

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031323\  
 Data File : BP014067.D  
 Acq On : 13 Mar 2023 17:17  
 Operator : CG/JU  
 Sample : 01627-02  
 Misc : LOQ-SOIL-10ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 14 04:20:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 14 04:15:47 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/14/2023  
 Supervised By : Jagrut Upadhyay 03/14/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.075  | 152  | 153135   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.898 | 136  | 528336   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.716 | 164  | 298433   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 588755   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.545 | 240  | 520580   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.086 | 264  | 540502   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.616  | 112  | 891898   | 94.454 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.228  | 99   | 1124934  | 90.739 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.252  | 82   | 806270   | 69.749 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.204 | 330  | 397662   | 82.184 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.340 | 172  | 1601166  | 69.511 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.004 | 244  | 2047928  | 64.868 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.469  | 88   | 34230    | 8.344  | ng    | 96       |
| 3) Pyridine                   | 3.893  | 79   | 116884   | 10.260 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.793  | 42   | 52784    | 10.438 | ng    | # 96     |
| 6) Aniline                    | 7.399  | 93   | 175429   | 10.772 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.634  | 128  | 110067   | 10.883 | ng    | 93       |
| 9) Benzaldehyde               | 7.210  | 77   | 75993    | 12.249 | ng    | 99       |
| 10) Phenol                    | 7.258  | 94   | 144115   | 11.169 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.493  | 93   | 114126   | 11.171 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.963  | 146  | 128780   | 11.588 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.110  | 146  | 131113   | 11.662 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.434  | 146  | 123180   | 11.439 | ng    | 100      |
| 15) Benzyl Alcohol            | 8.316  | 79   | 99739    | 9.868  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.610  | 45   | 137295   | 12.344 | ng    | 97       |
| 17) 2-Methylphenol            | 8.516  | 107  | 90319    | 9.815  | ng    | 98       |
| 18) Hexachloroethane          | 9.163  | 117  | 47544    | 11.257 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.887  | 70   | 85312    | 10.455 | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.846  | 107  | 116533   | 9.403  | ng    | 99       |
| 22) Acetophenone              | 8.910  | 105  | 116543   | 7.864  | ng    | # 98     |
| 24) Nitrobenzene              | 9.293  | 77   | 137494   | 11.625 | ng    | 95       |
| 25) Isophorone                | 9.816  | 82   | 210534   | 9.884  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.010 | 139  | 51115    | 9.935  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 10.063 | 122  | 91709    | 10.963 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.299 | 93   | 137702   | 11.170 | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.546 | 162  | 93757    | 10.239 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.757 | 180  | 117202   | 11.274 | ng    | 97       |
| 31) Naphthalene               | 10.951 | 128  | 326827   | 11.258 | ng    | 99       |
| 32) Benzoic acid              | 10.151 | 122  | 36830m   | 7.715  | ng    |          |
| 33) 4-Chloroaniline           | 11.063 | 127  | 123769   | 9.945  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.228 | 225  | 78868    | 10.435 | ng    | 98       |
| 35) Caprolactam               | 11.840 | 113  | 19686m   | 7.511  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.175 | 107  | 100077   | 9.799  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.545 | 142  | 216065   | 10.088 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.769 | 142  | 201530   | 10.094 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.910 | 216  | 91563    | 8.049  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.887 | 237  | 78690    | 11.023 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.151 | 196  | 73964    | 10.287 | ng    | 98       |

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 Sample : 01627-02  
 Misc : LOQ-SOIL-10ppm  
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Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 14 04:20:10 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 14 04:15:47 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/14/2023  
 Supervised By : Jagrut Upadhyay 03/14/2023

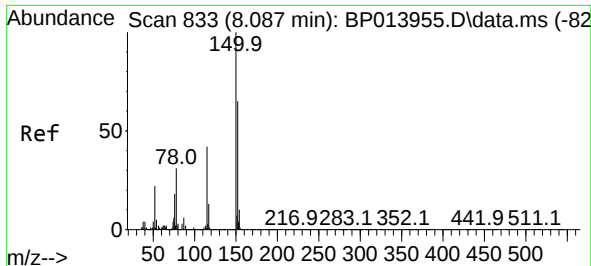
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.228 | 196  | 78357    | 9.404  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.551 | 154  | 199867   | 8.320  | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.592 | 162  | 220396   | 11.918 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.798 | 65   | 54438    | 9.700  | ng    | 96       |
| 49) Acenaphthylene            | 14.439 | 152  | 319911   | 10.878 | ng    | 98       |
| 50) Dimethylphthalate         | 14.163 | 163  | 251035   | 10.196 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.287 | 165  | 49663    | 9.579  | ng    | 90       |
| 52) Acenaphthene              | 14.781 | 154  | 196870   | 11.121 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.622 | 138  | 46711    | 9.193  | ng    | 86       |
| 54) 2,4-Dinitrophenol         | 14.834 | 184  | 25346    | 9.418  | ng    | 97       |
| 55) Dibenzofuran              | 15.110 | 168  | 319718   | 11.078 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.928 | 139  | 41565    | 10.046 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 15.075 | 165  | 61686    | 8.901  | ng    | 97       |
| 58) Fluorene                  | 15.763 | 166  | 246406   | 10.753 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.339 | 232  | 70837    | 9.745  | ng    | 97       |
| 60) Diethylphthalate          | 15.522 | 149  | 236743   | 9.739  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.751 | 204  | 132216   | 10.178 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.786 | 138  | 43904    | 8.678  | ng    | 89       |
| 63) Azobenzene                | 16.045 | 77   | 243774   | 10.838 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.839 | 198  | 40669    | 9.326  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.969 | 169  | 204374   | 10.985 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.651 | 248  | 77774    | 9.987  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.769 | 284  | 91384    | 10.947 | ng    | 99       |
| 69) Atrazine                  | 16.916 | 200  | 48488    | 7.423  | ng    | 97       |
| 70) Pentachlorophenol         | 17.116 | 266  | 55591    | 9.234  | ng    | 96       |
| 71) Phenanthrene              | 17.510 | 178  | 375922   | 11.429 | ng    | 99       |
| 72) Anthracene                | 17.604 | 178  | 358343   | 10.663 | ng    | 100      |
| 73) Carbazole                 | 17.869 | 167  | 311021   | 10.729 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.404 | 149  | 344514   | 9.505  | ng    | 100      |
| 75) Fluoranthene              | 19.463 | 202  | 397132   | 10.102 | ng    | 97       |
| 77) Benzidine                 | 19.645 | 184  | 116733   | 12.161 | ng    | 99       |
| 78) Pyrene                    | 19.816 | 202  | 418534   | 10.475 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.674 | 149  | 133842   | 8.836  | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.533 | 228  | 402078   | 10.526 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 97339    | 7.964  | ng    | # 97     |
| 83) Chrysene                  | 21.586 | 228  | 397233   | 10.982 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149  | 196931   | 8.862  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.392 | 149  | 299593   | 8.305  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.745 | 276  | 472161   | 11.306 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.304 | 252  | 382559   | 10.809 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.351 | 252  | 383459m  | 10.928 | ng    |          |
| 90) Benzo(a)pyrene            | 23.968 | 252  | 330486   | 9.790  | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 26.768 | 278  | 388894   | 11.201 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.574 | 276  | 389473   | 11.319 | ng    | 98       |

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

## Manual Integrations

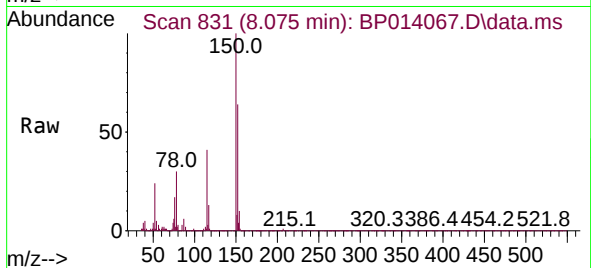
Quant Time: Mar 14 04:20:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 14 04:15:47 2023  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.075 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

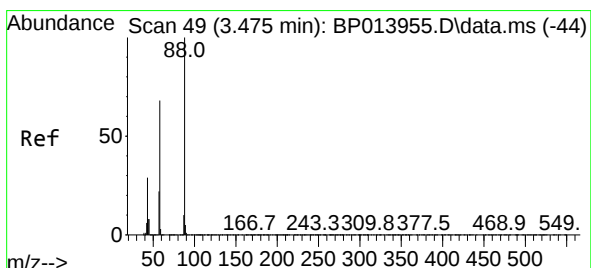
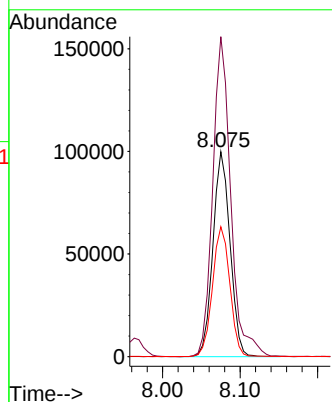
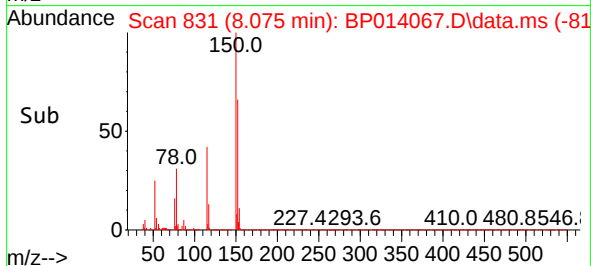
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion: 152 Resp: 153135  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.3 183.5  
115 63.3 51.6 77.4

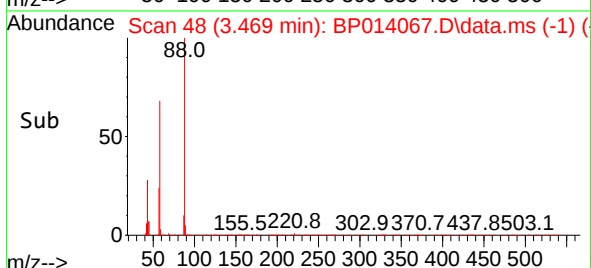
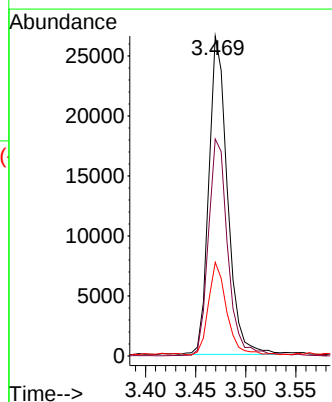
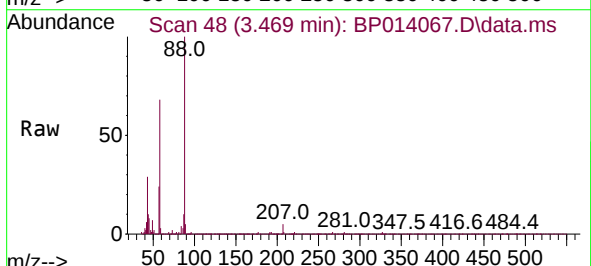
Manual Integrations  
APPROVED

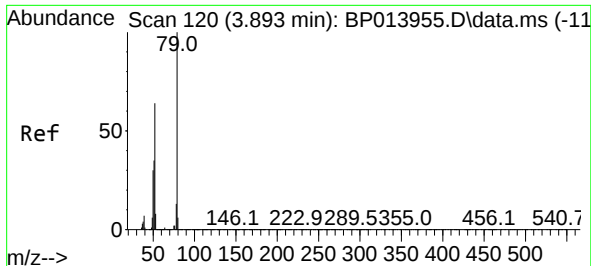
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#2  
1,4-Dioxane  
Concen: 8.344 ng  
RT: 3.469 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion: 88 Resp: 34230  
Ion Ratio Lower Upper  
88 100  
58 71.4 53.8 80.8  
43 28.3 22.1 33.1





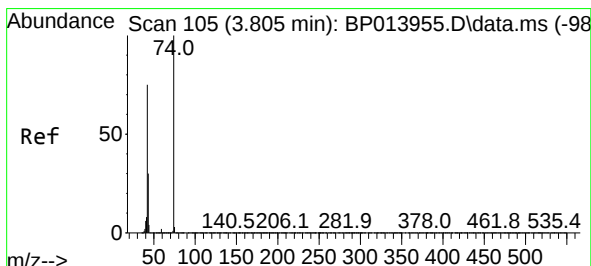
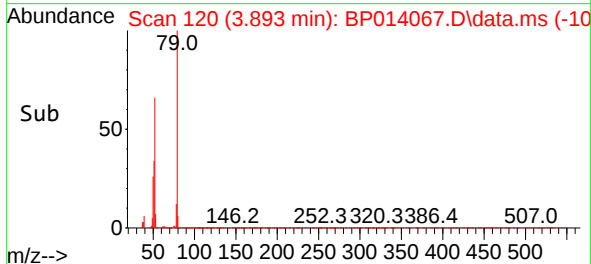
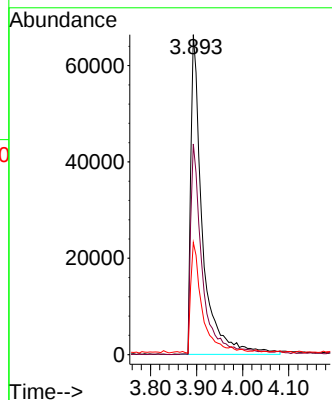
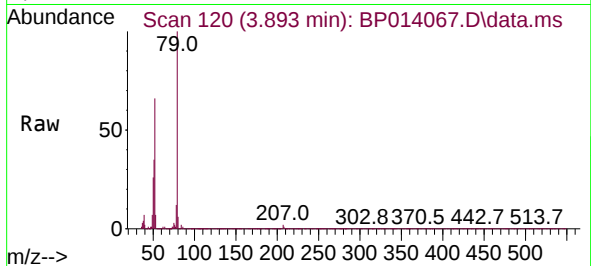
#3  
Pyridine  
Concen: 10.260 ng  
RT: 3.893 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion: 79 Resp: 116884  
Ion Ratio Lower Upper  
79 100  
52 65.8 51.0 76.4  
51 35.0 28.2 42.2

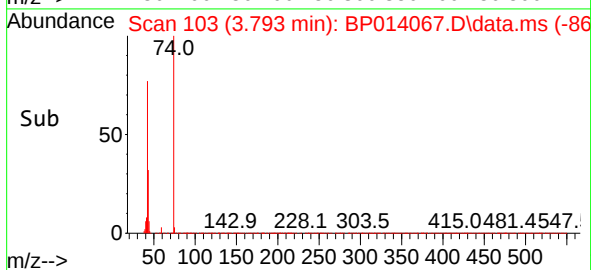
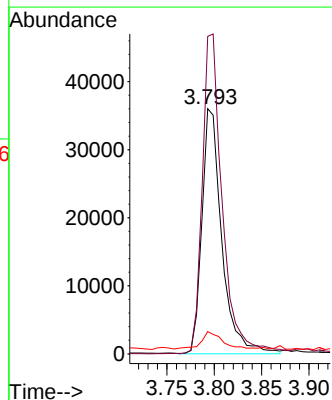
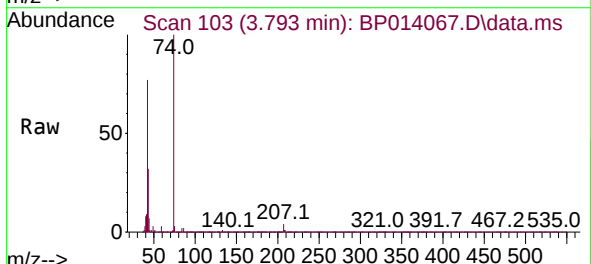
Manual Integrations  
APPROVED

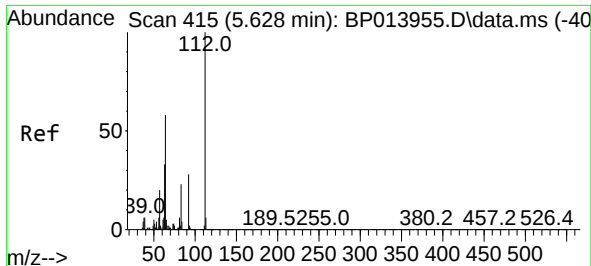
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#4  
n-Nitrosodimethylamine  
Concen: 10.438 ng  
RT: 3.793 min Scan# 103  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

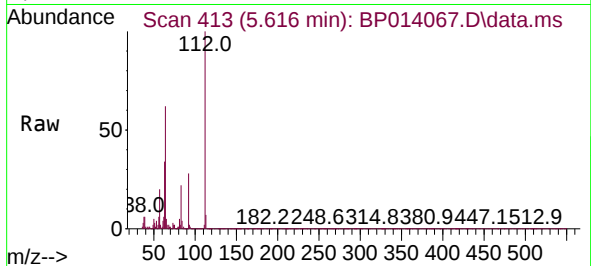
Tgt Ion: 42 Resp: 52784  
Ion Ratio Lower Upper  
42 100  
74 129.5 107.0 160.6  
44 9.1 4.5 6.7#





#5  
2-Fluorophenol  
Concen: 94.454 ng  
RT: 5.616 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

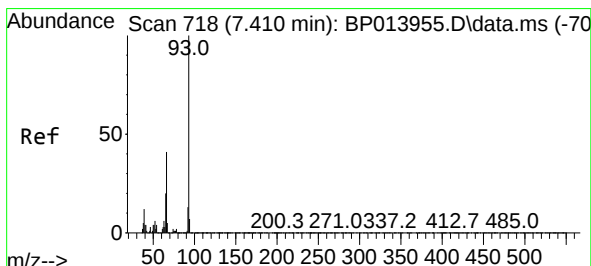
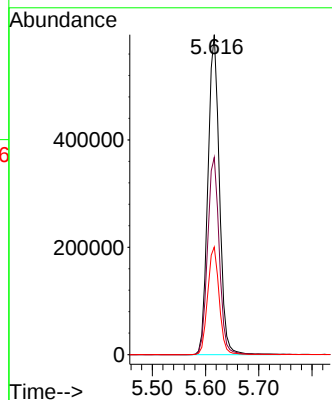
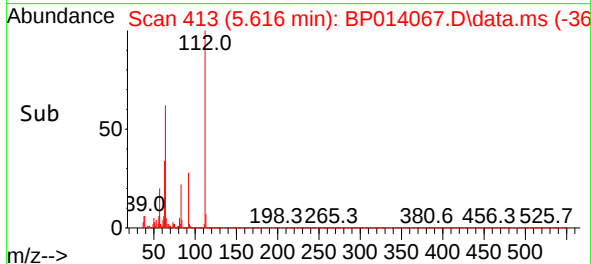
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion: 112 Resp: 891898  
Ion Ratio Lower Upper  
112 100  
64 61.6 46.7 70.1  
63 33.6 26.6 40.0

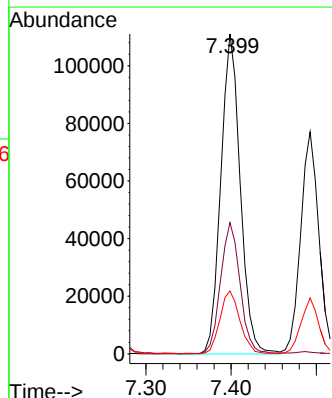
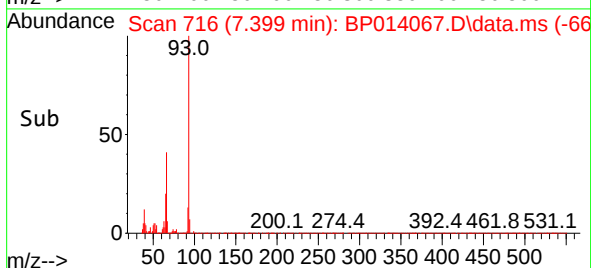
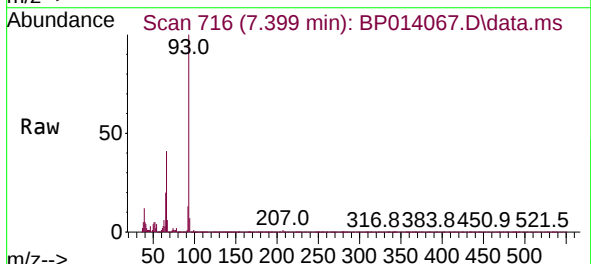
Manual Integrations  
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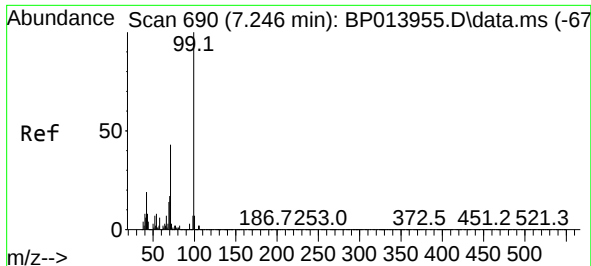
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#6  
Aniline  
Concen: 10.772 ng  
RT: 7.399 min Scan# 716  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

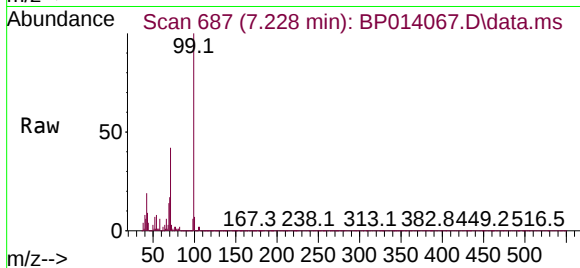
Tgt Ion: 93 Resp: 175429  
Ion Ratio Lower Upper  
93 100  
66 41.1 32.6 48.8  
65 19.7 16.0 24.0





#7  
Phenol-d6  
Concen: 90.739 ng  
RT: 7.228 min Scan# 687  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

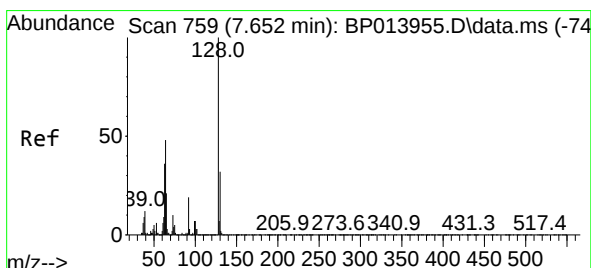
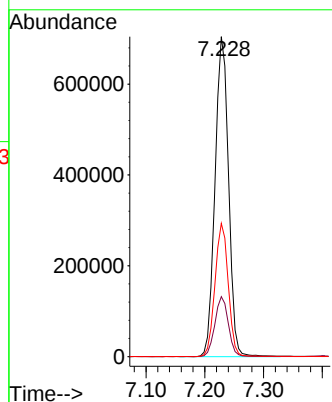
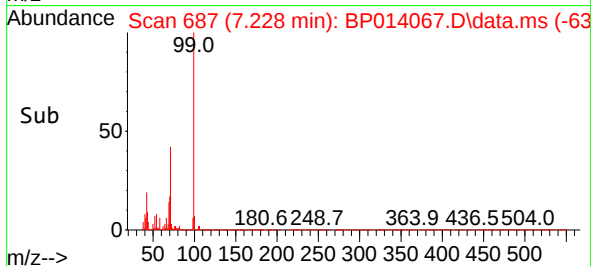
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion: 99 Resp: 1124934  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.6  
71 41.6 34.3 51.5

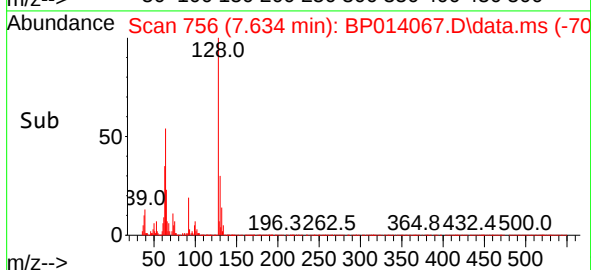
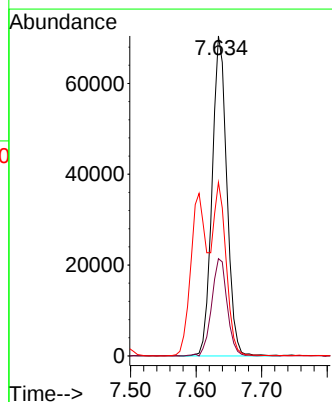
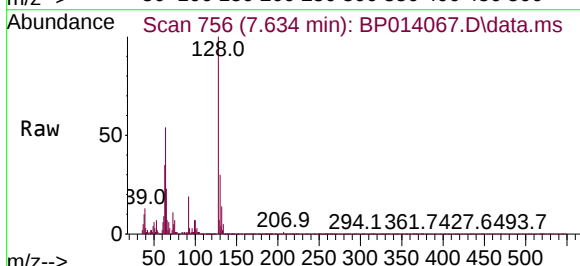
Manual Integrations  
APPROVED

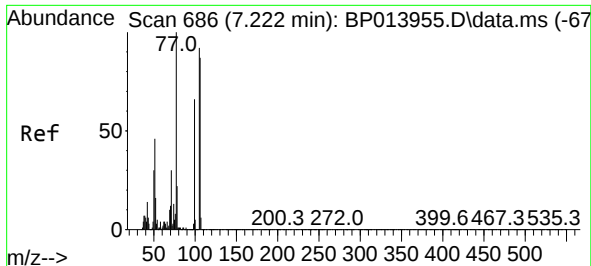
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#8  
2-Chlorophenol  
Concen: 10.883 ng  
RT: 7.634 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:128 Resp: 110067  
Ion Ratio Lower Upper  
128 100  
130 30.4 12.3 52.3  
64 54.2 27.6 67.6





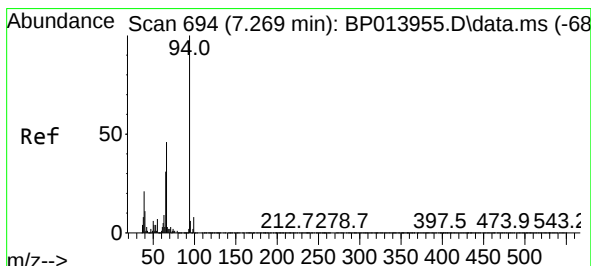
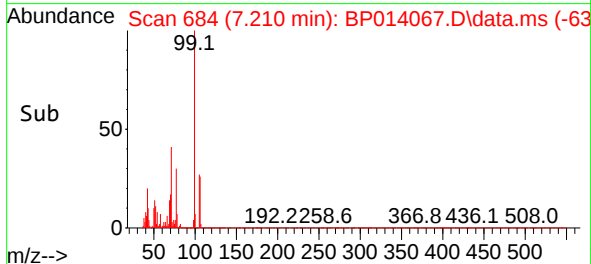
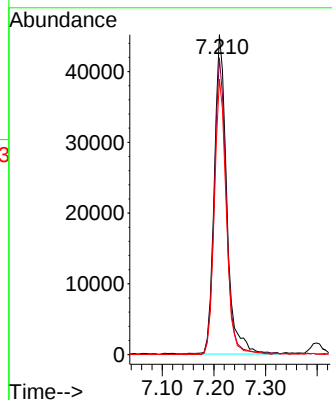
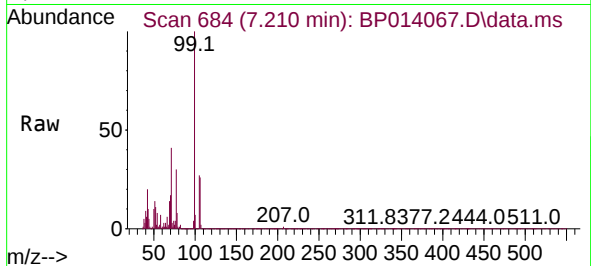
#9  
Benzaldehyde  
Concen: 12.249 ng  
RT: 7.210 min Scan# 681  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion: 77 Resp: 75993  
Ion Ratio Lower Upper  
77 100  
105 92.7 72.4 112.4  
106 86.1 66.9 106.9

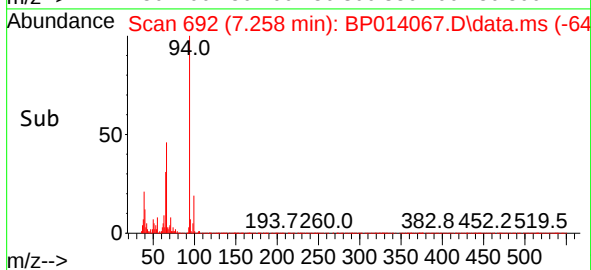
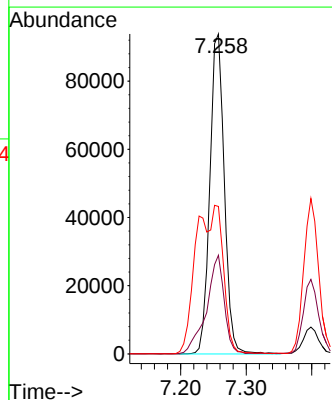
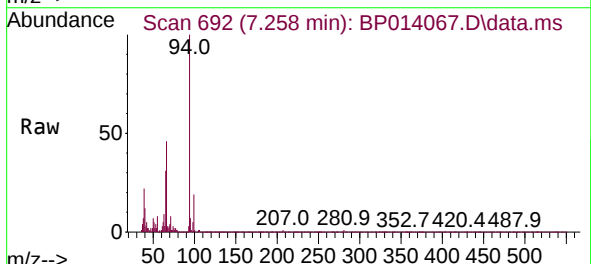
Manual Integrations  
APPROVED

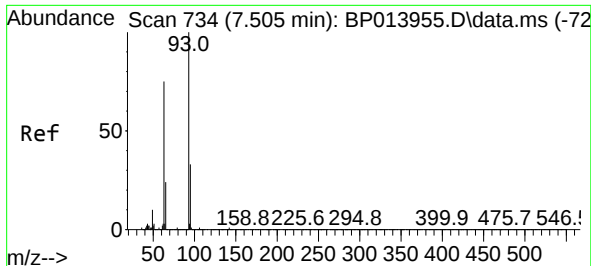
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#10  
Phenol  
Concen: 11.169 ng  
RT: 7.258 min Scan# 692  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion: 94 Resp: 144115  
Ion Ratio Lower Upper  
94 100  
65 30.8 10.9 50.9  
66 46.1 26.1 66.1





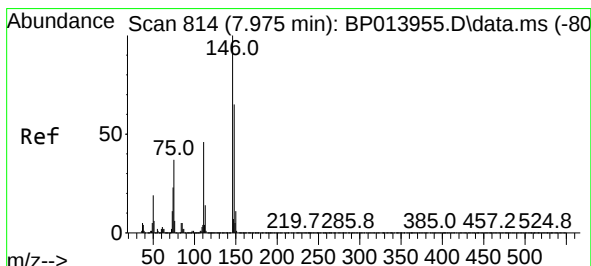
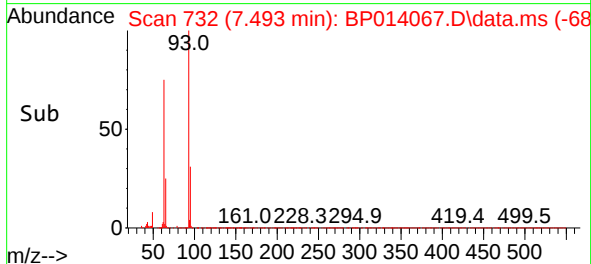
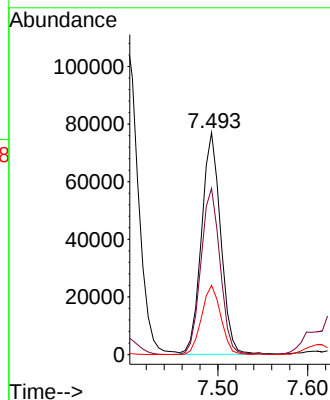
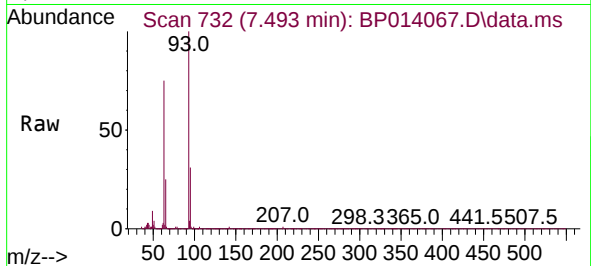
#11  
bis(2-Chloroethyl)ether  
Concen: 11.171 ng  
RT: 7.493 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion: 93 Resp: 114126  
Ion Ratio Lower Upper  
93 100  
63 74.9 54.2 94.2  
95 31.2 12.7 52.7

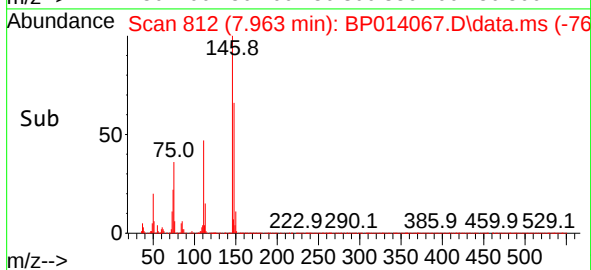
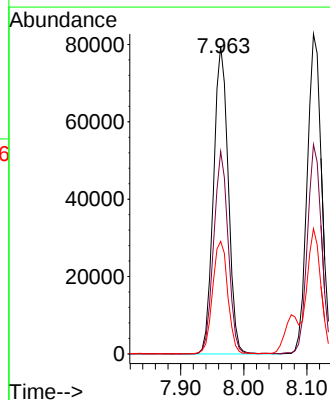
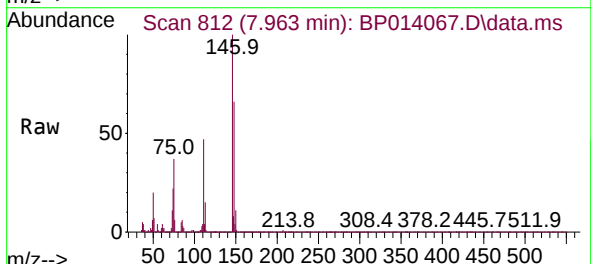
Manual Integrations  
APPROVED

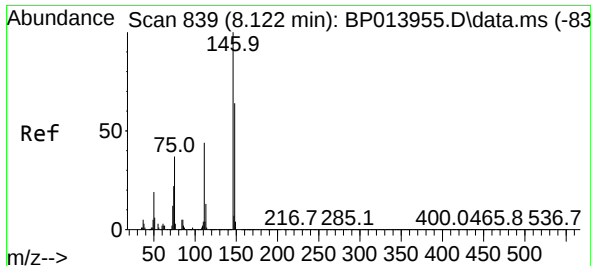
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#12  
1,3-Dichlorobenzene  
Concen: 11.588 ng  
RT: 7.963 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:146 Resp: 128780  
Ion Ratio Lower Upper  
146 100  
148 65.7 52.1 78.1  
75 36.5 29.4 44.0





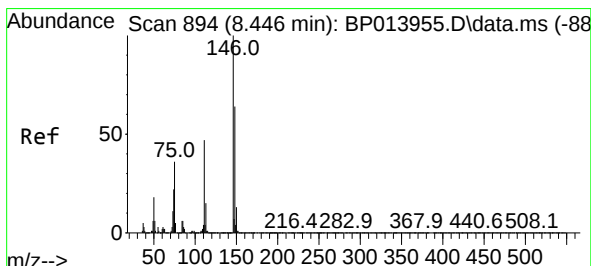
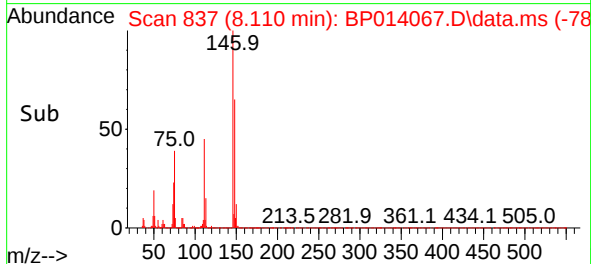
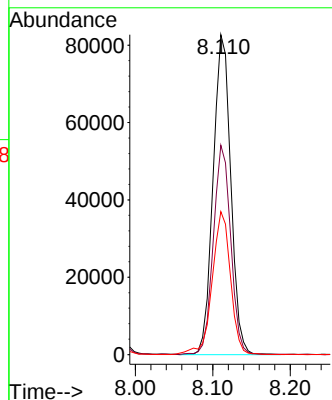
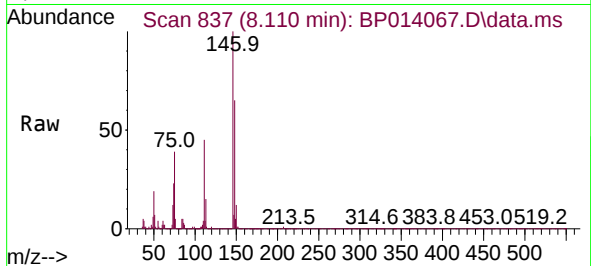
#13  
1,4-Dichlorobenzene  
Concen: 11.662 ng  
RT: 8.110 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:146 Resp: 131113  
Ion Ratio Lower Upper  
146 100  
148 65.4 51.4 77.2  
111 44.7 35.1 52.7

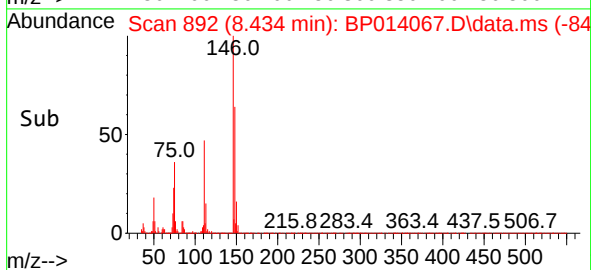
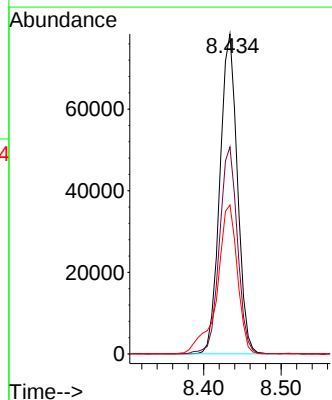
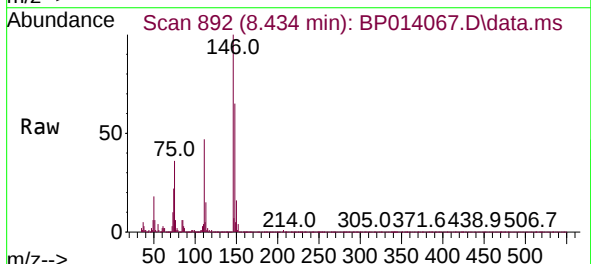
Manual Integrations  
APPROVED

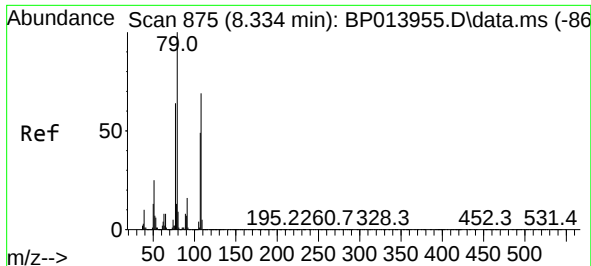
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#14  
1,2-Dichlorobenzene  
Concen: 11.439 ng  
RT: 8.434 min Scan# 892  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

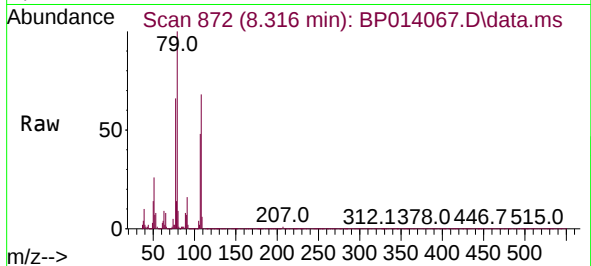
Tgt Ion:146 Resp: 123180  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.4 77.0  
111 46.5 37.2 55.8





#15  
Benzyl Alcohol  
Concen: 9.868 ng  
RT: 8.316 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

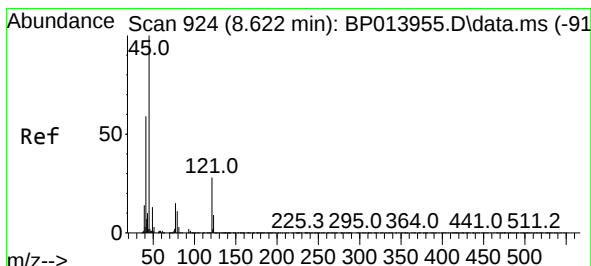
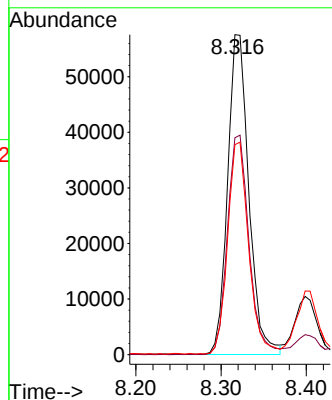
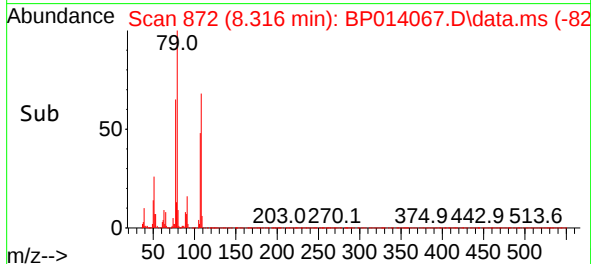
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion: 79 Resp: 99739  
Ion Ratio Lower Upper  
79 100  
108 67.8 54.9 82.3  
77 65.6 51.4 77.0

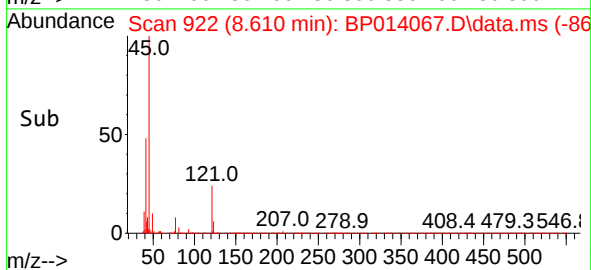
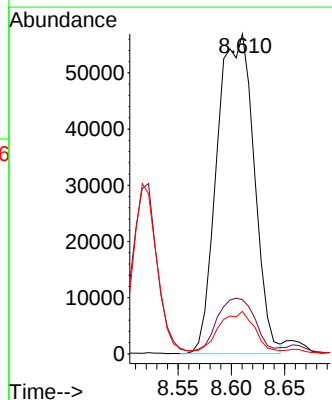
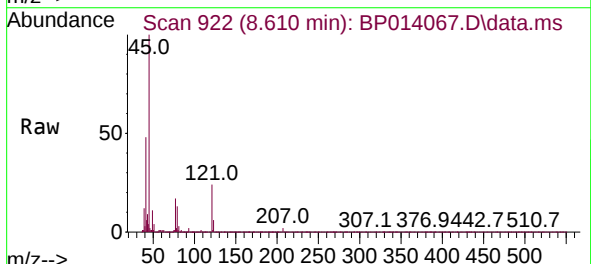
Manual Integrations  
APPROVED

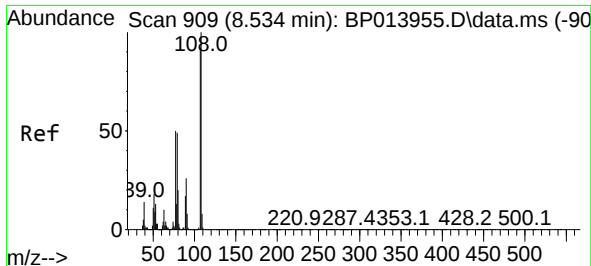
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 12.344 ng  
RT: 8.610 min Scan# 922  
Delta R.T. 0.012 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion: 45 Resp: 137295  
Ion Ratio Lower Upper  
45 100  
77 16.9 0.0 38.7  
79 13.3 0.0 34.4





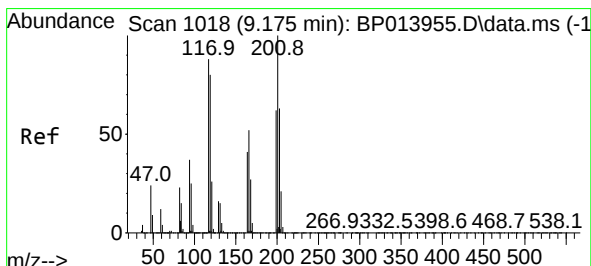
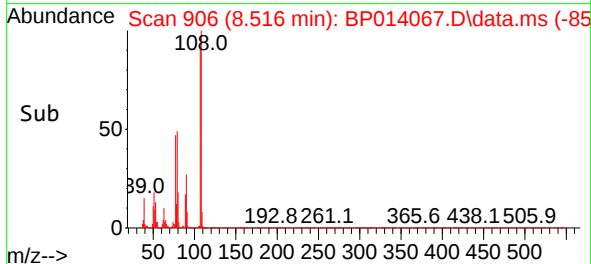
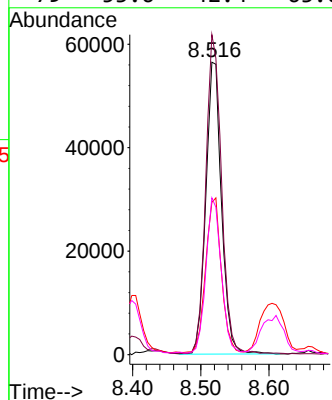
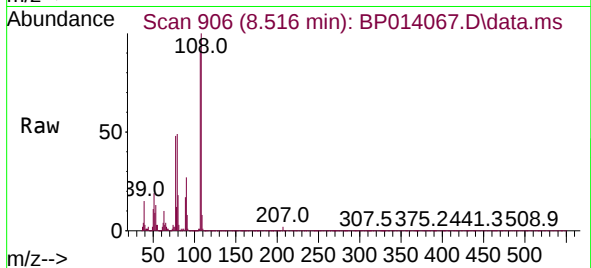
#17  
2-Methylphenol  
Concen: 9.815 ng  
RT: 8.516 min Scan# 909  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 90319 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 109.5 | 87.0  | 130.4 |
| 77        | 52.1  | 44.0  | 66.0  |
| 79        | 53.6  | 42.4  | 63.6  |

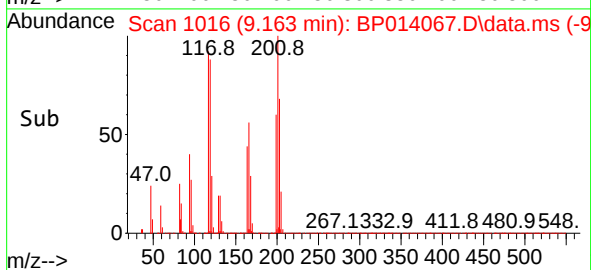
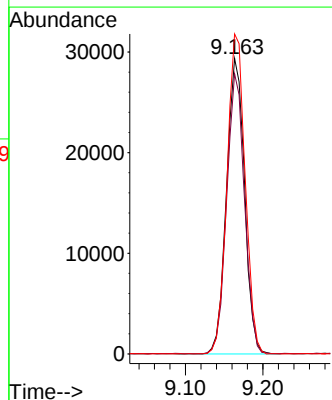
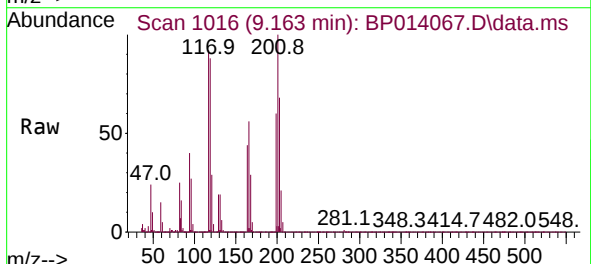
Manual Integrations  
APPROVED

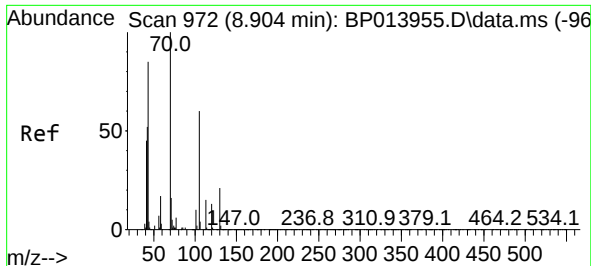
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#18  
Hexachloroethane  
Concen: 11.257 ng  
RT: 9.163 min Scan# 1016  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

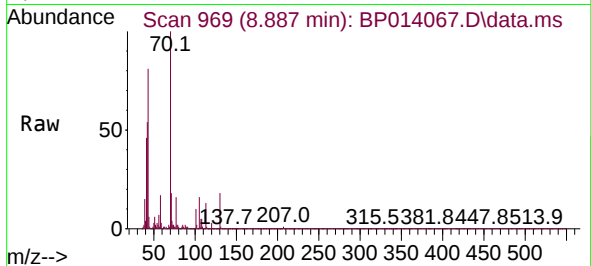
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 47544 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 94.8  | 73.3  | 109.9 |
| 201       | 108.3 | 91.1  | 136.7 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 10.455 ng  
RT: 8.887 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

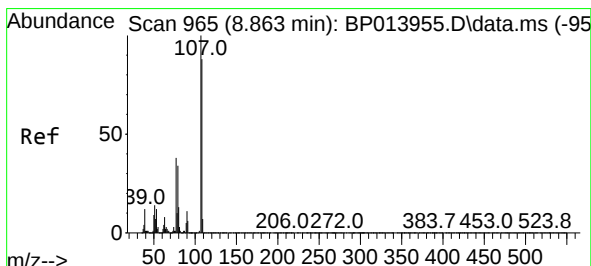
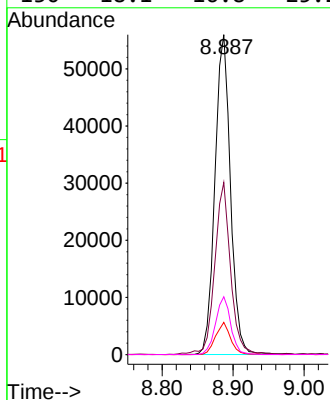
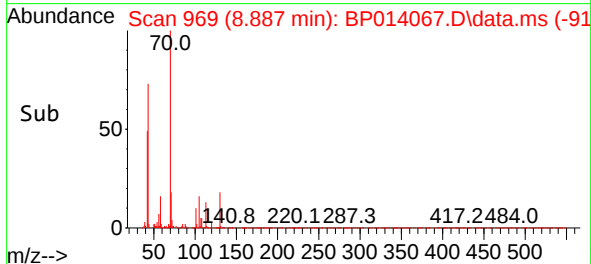
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion: 70 Resp: 85312  
Ion Ratio Lower Upper  
70 100  
42 53.8 42.4 63.6  
101 10.1 8.2 12.4  
130 18.1 16.8 25.2

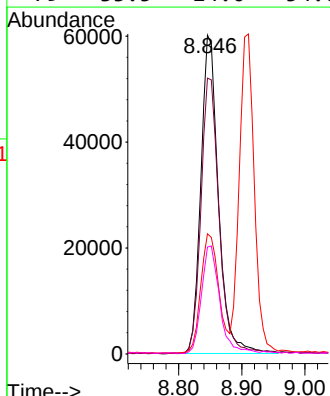
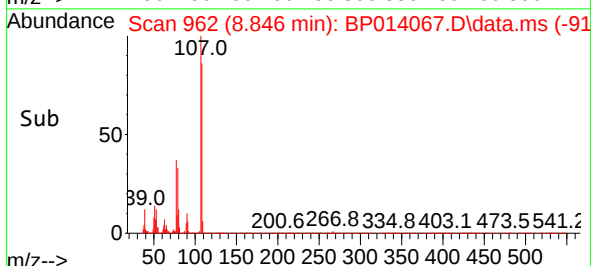
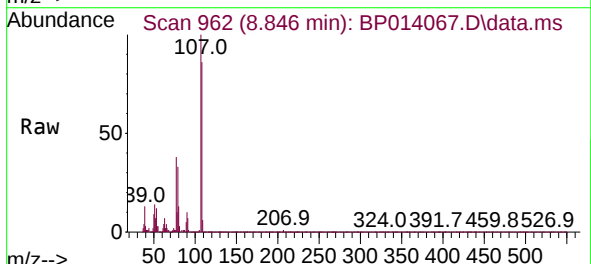
Manual Integrations  
APPROVED

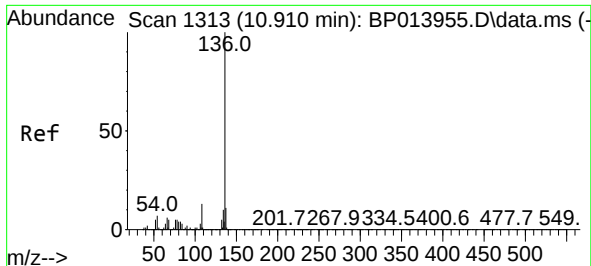
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#20  
3+4-Methylphenols  
Concen: 9.403 ng  
RT: 8.846 min Scan# 962  
Delta R.T. -0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:107 Resp: 116533  
Ion Ratio Lower Upper  
107 100  
108 86.5 68.2 108.2  
77 37.6 18.1 58.1  
79 33.5 14.0 54.0





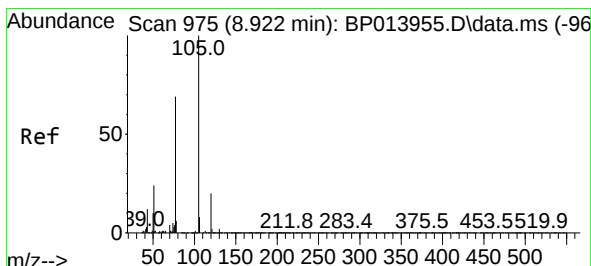
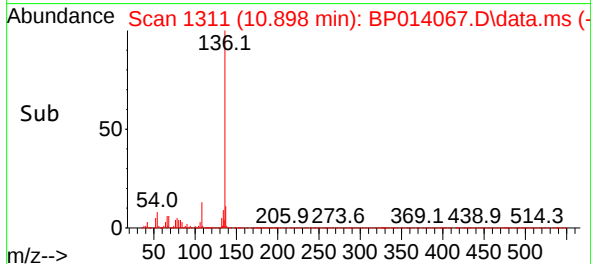
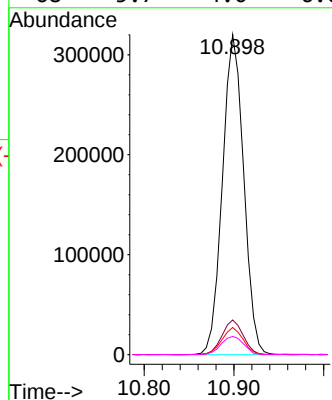
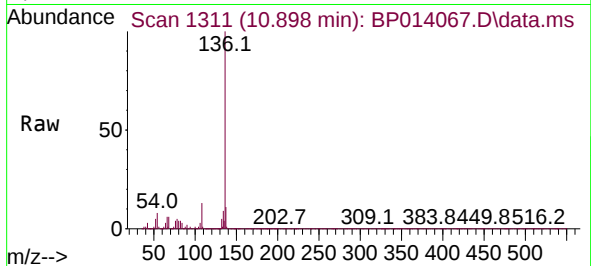
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.898 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 528336 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.7   | 13.1   |
| 54        | 8.5   | 5.8   | 8.8    |
| 68        | 5.7   | 4.0   | 6.0    |

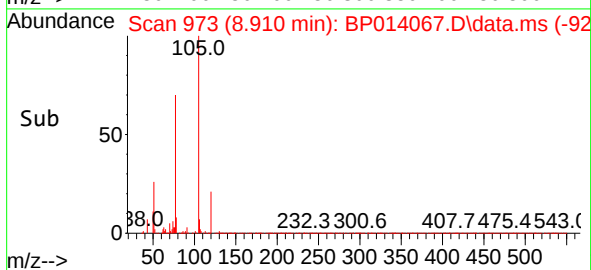
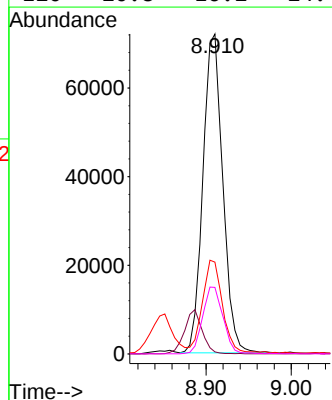
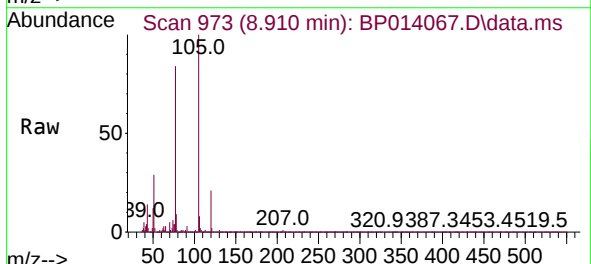
Manual Integrations  
APPROVED

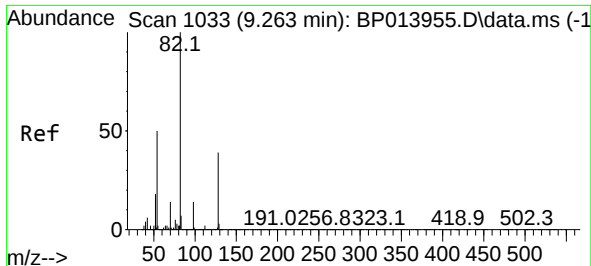
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#22  
Acetophenone  
Concen: 7.864 ng  
RT: 8.910 min Scan# 973  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 116543 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 0.6   | 1.4   | 2.0    |
| 51        | 28.7  | 21.5  | 32.3   |
| 120       | 20.8  | 16.2  | 24.4   |





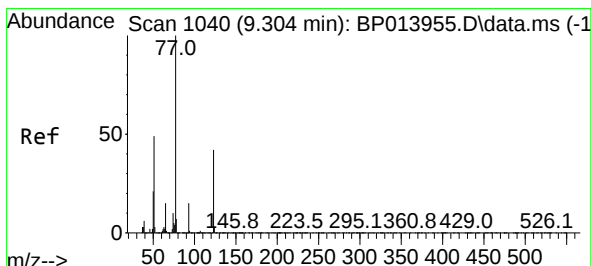
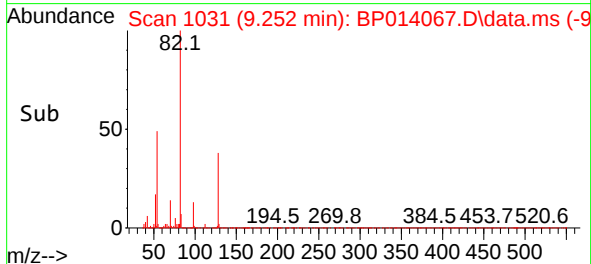
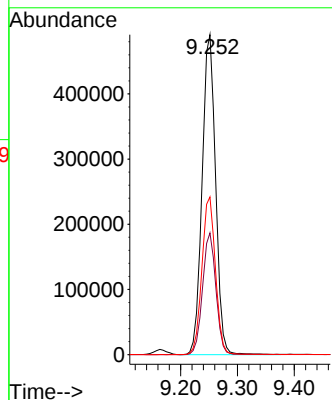
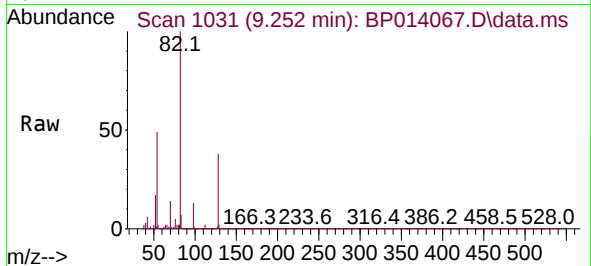
#23  
Nitrobenzene-d5  
Concen: 69.749 ng  
RT: 9.252 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion: 82 Resp: 806270  
Ion Ratio Lower Upper  
82 100  
128 38.0 31.1 46.7  
54 49.3 40.0 60.0

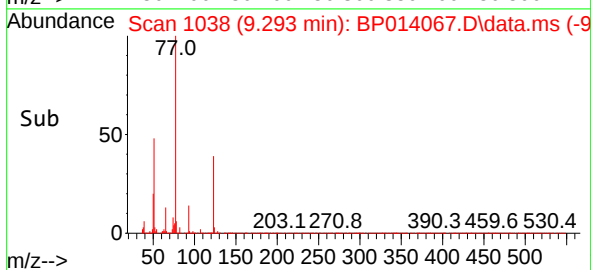
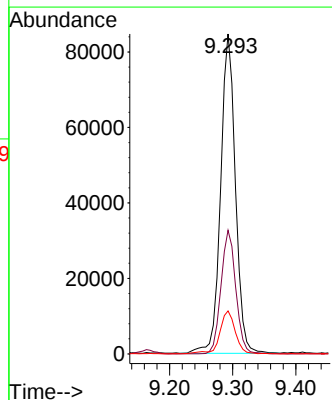
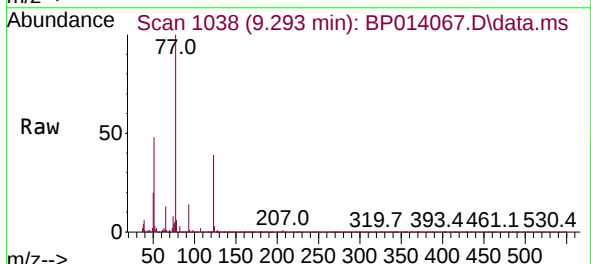
Manual Integrations  
APPROVED

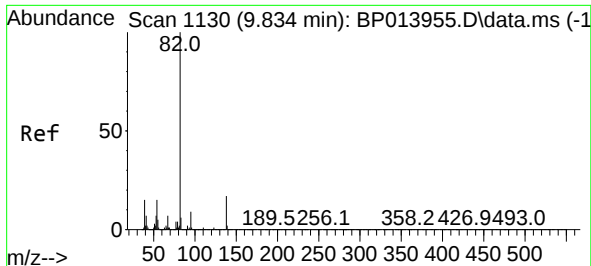
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#24  
Nitrobenzene  
Concen: 11.625 ng  
RT: 9.293 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion: 77 Resp: 137494  
Ion Ratio Lower Upper  
77 100  
123 38.6 33.6 50.4  
65 13.4 11.6 17.4





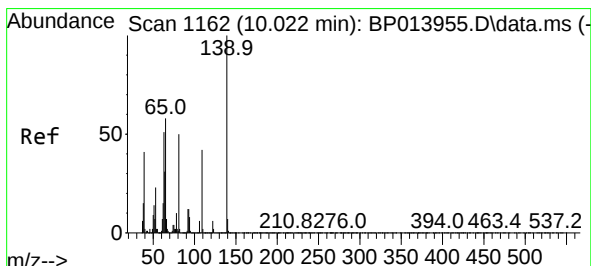
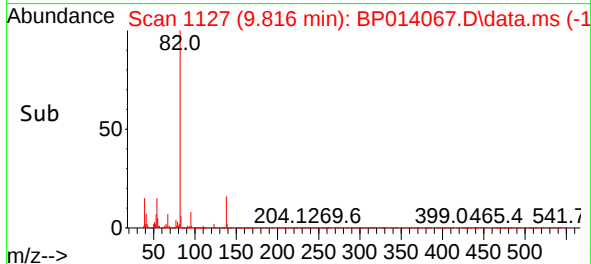
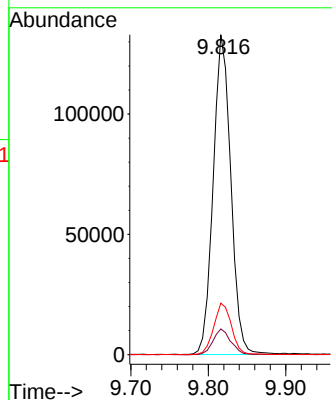
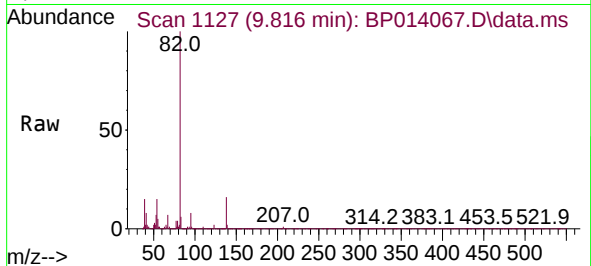
#25  
Isophorone  
Concen: 9.884 ng  
RT: 9.816 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion: 82 Resp: 210534  
Ion Ratio Lower Upper  
82 100  
95 8.0 6.9 10.3  
138 16.1 13.3 19.9

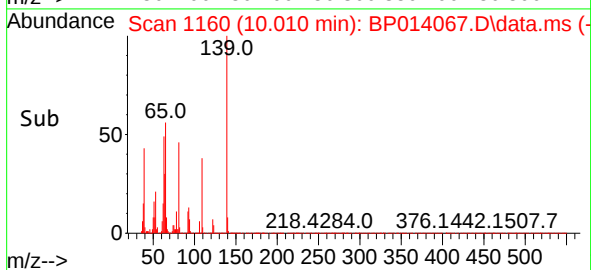
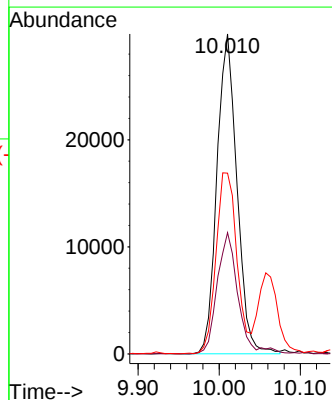
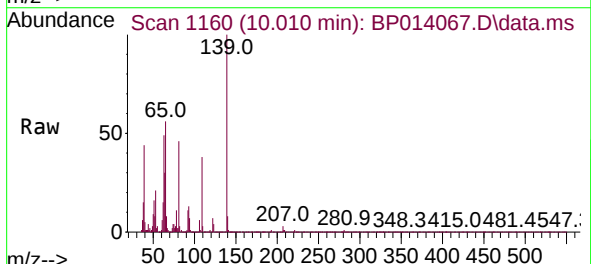
Manual Integrations  
APPROVED

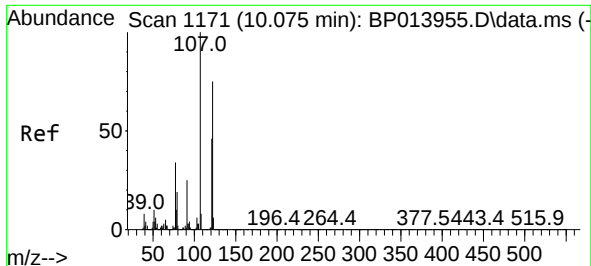
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#26  
2-Nitrophenol  
Concen: 9.935 ng  
RT: 10.010 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

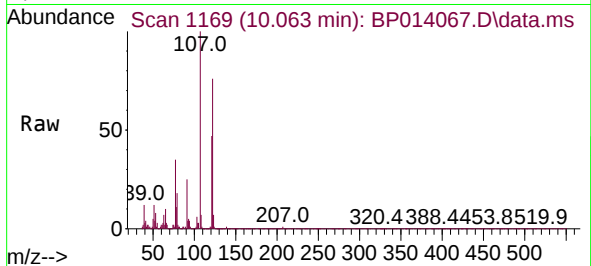
Tgt Ion:139 Resp: 51115  
Ion Ratio Lower Upper  
139 100  
109 37.9 33.8 50.8  
65 56.5 46.6 70.0





#27  
2,4-Dimethylphenol  
Concen: 10.963 ng  
RT: 10.063 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

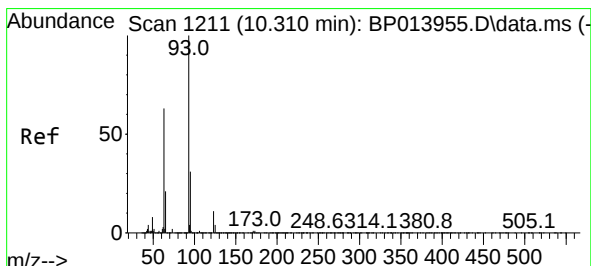
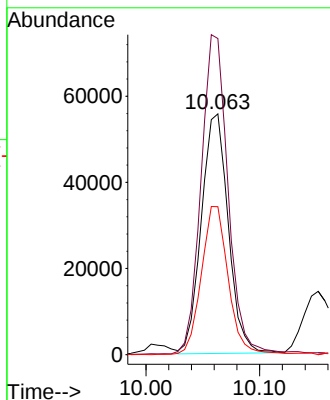
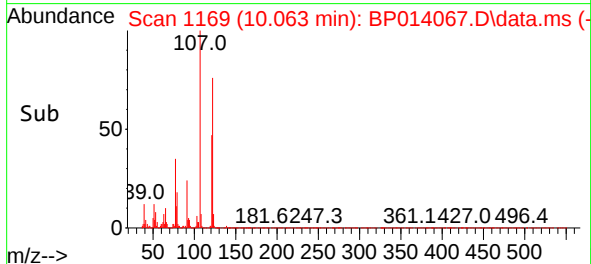
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion:122 Resp: 91709  
Ion Ratio Lower Upper  
122 100  
107 131.3 105.9 158.9  
121 61.4 49.0 73.4

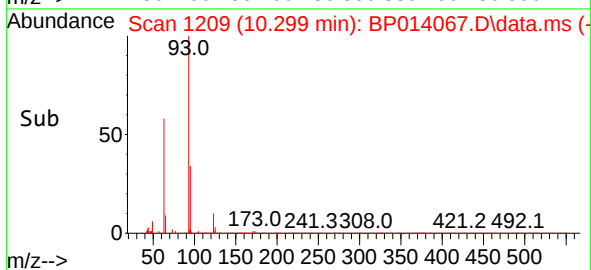
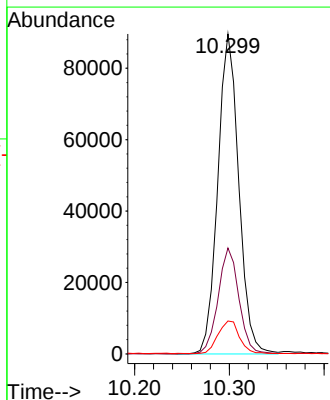
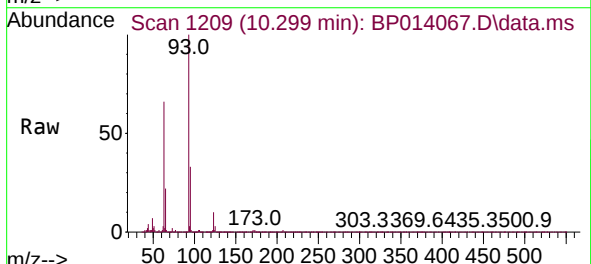
Manual Integrations  
APPROVED

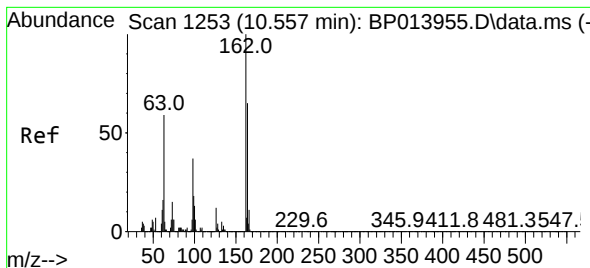
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 11.170 ng  
RT: 10.299 min Scan# 1209  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion: 93 Resp: 137702  
Ion Ratio Lower Upper  
93 100  
95 33.1 25.0 37.6  
123 10.3 8.6 12.8





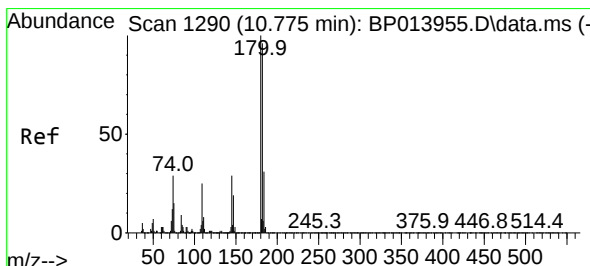
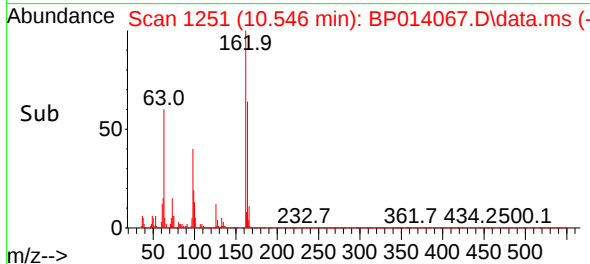
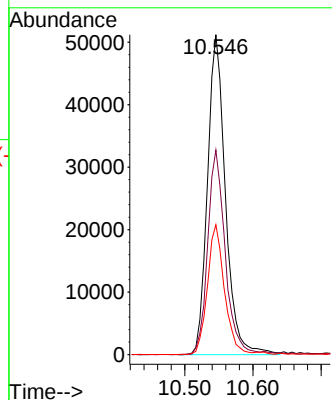
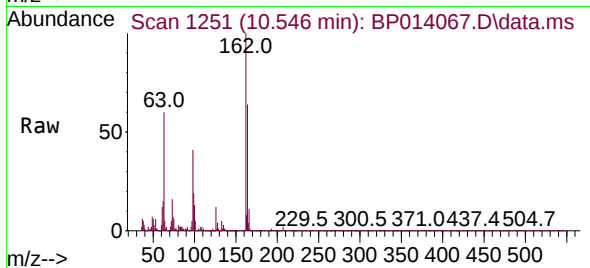
#29  
2,4-Dichlorophenol  
Concen: 10.239 ng  
RT: 10.546 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:162 Resp: 9375  
Ion Ratio Lower Upper  
162 100  
164 63.9 44.7 84.7  
98 40.6 17.0 57.0

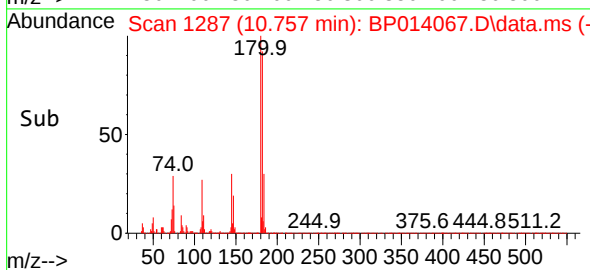
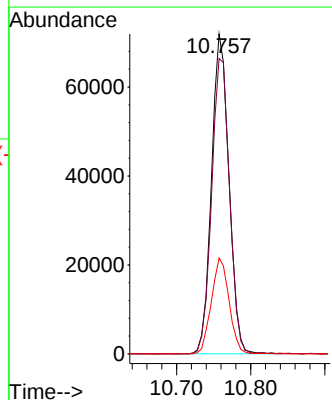
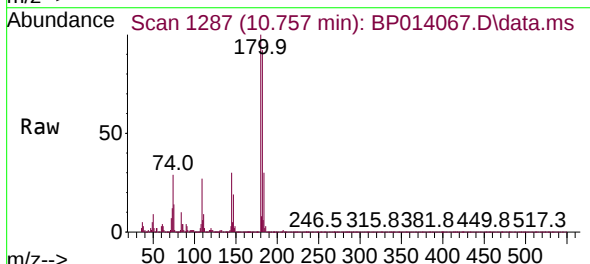
Manual Integrations  
APPROVED

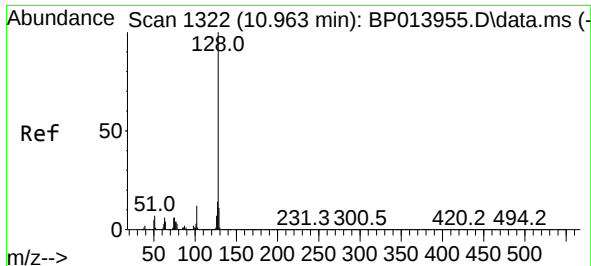
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 11.274 ng  
RT: 10.757 min Scan# 1287  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:180 Resp: 117202  
Ion Ratio Lower Upper  
180 100  
182 92.3 76.6 114.8  
145 30.0 23.5 35.3





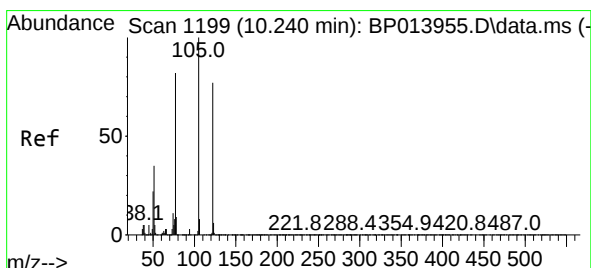
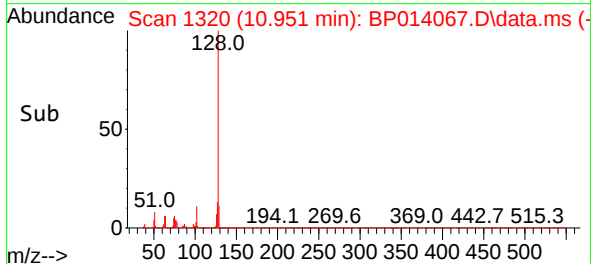
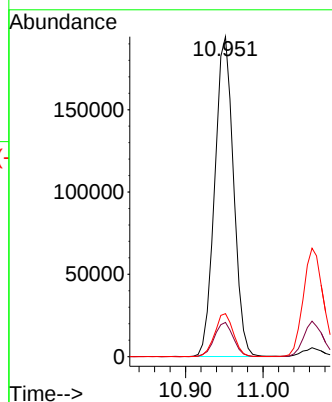
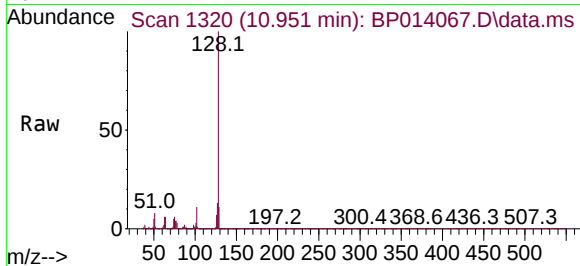
#31  
Naphthalene  
Concen: 11.258 ng  
RT: 10.951 min Scan# 1184  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:128 Resp: 32682  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.8 13.2  
127 13.5 11.2 16.8

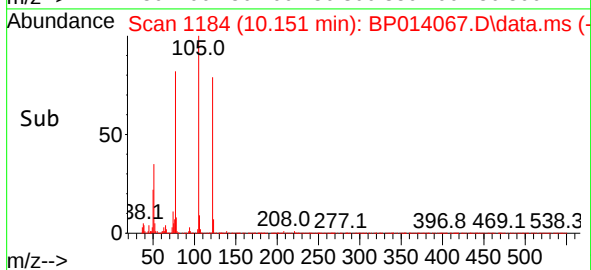
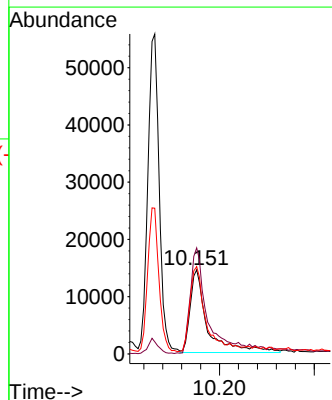
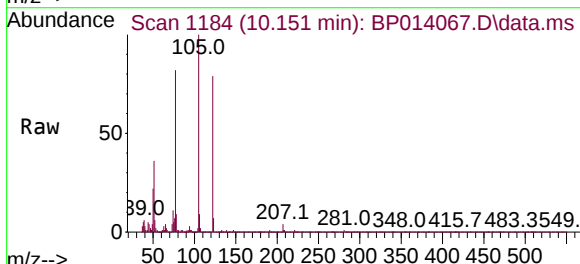
Manual Integrations  
APPROVED

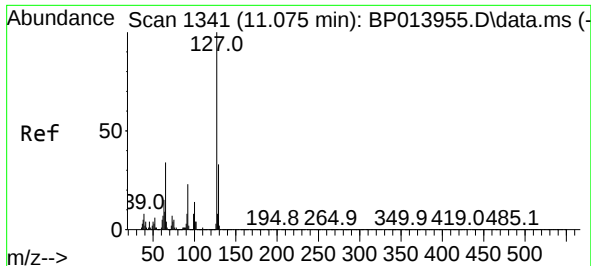
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#32  
Benzoic acid  
Concen: 7.715 ng m  
RT: 10.151 min Scan# 1184  
Delta R.T. -0.059 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:122 Resp: 36830  
Ion Ratio Lower Upper  
122 100  
105 126.0 108.2 148.2  
77 103.7 85.2 125.2





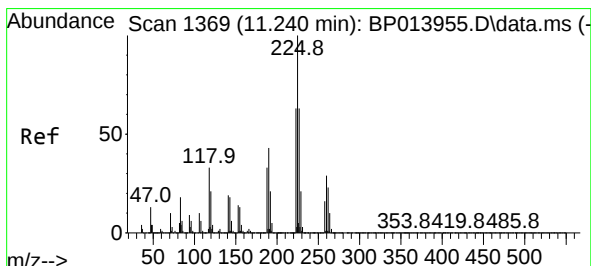
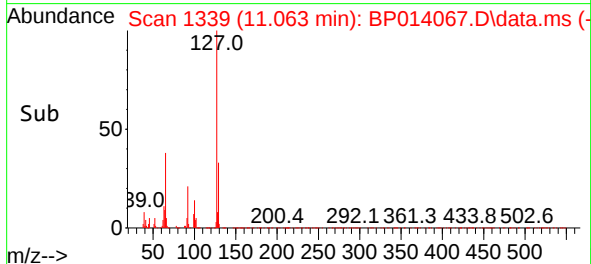
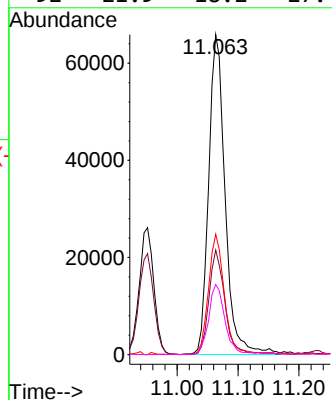
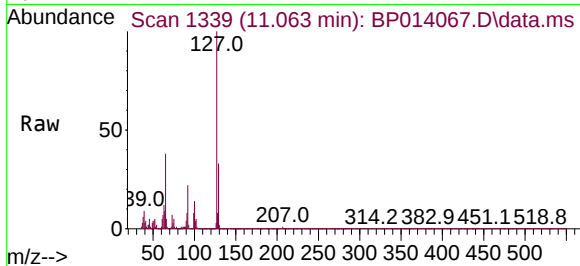
#33  
4-Chloroaniline  
Concen: 9.945 ng  
RT: 11.063 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 123769 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 32.7  | 26.2  | 39.2   |
| 65        | 37.6  | 27.0  | 40.4   |
| 92        | 21.9  | 18.2  | 27.4   |

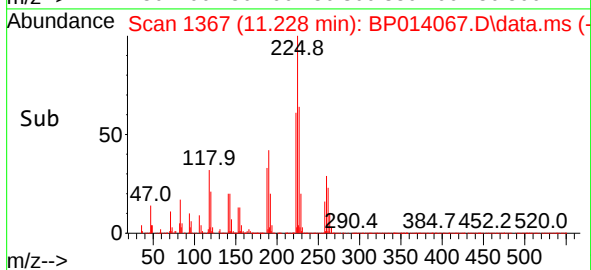
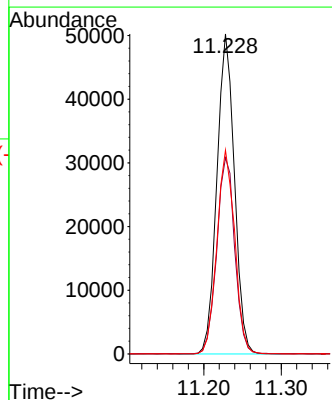
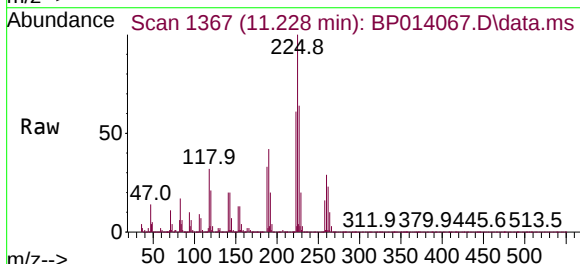
Manual Integrations  
APPROVED

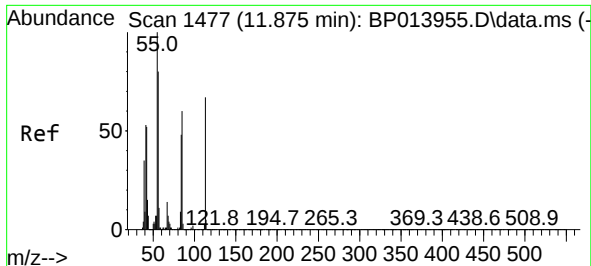
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#34  
Hexachlorobutadiene  
Concen: 10.435 ng  
RT: 11.228 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

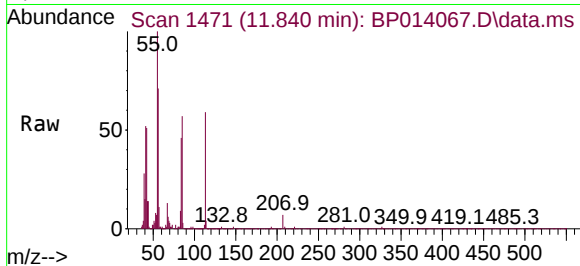
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 78868 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.3  | 50.6  | 76.0  |
| 227       | 63.7  | 50.2  | 75.4  |





#35  
Caprolactam  
Concen: 7.511 ng m  
RT: 11.840 min Scan# 14  
Delta R.T. -0.018 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

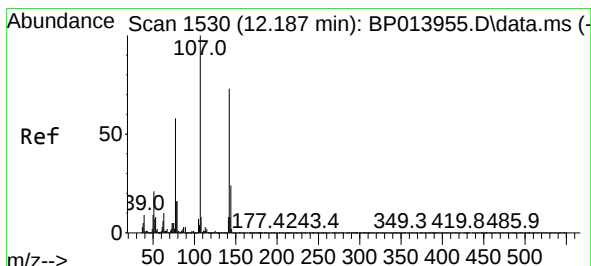
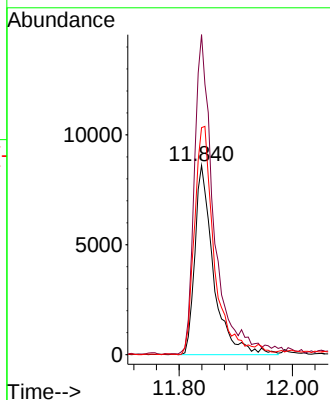
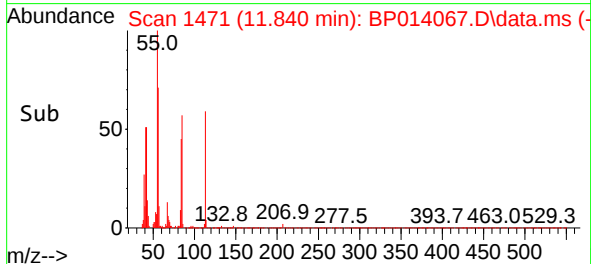
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



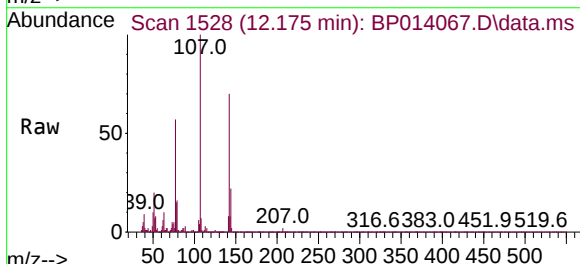
Tgt Ion:113 Resp: 19686  
Ion Ratio Lower Upper  
113 100  
55 169.2 128.9 168.9  
56 120.0 99.6 139.6

Manual Integrations  
APPROVED

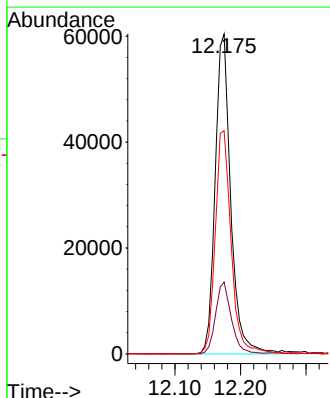
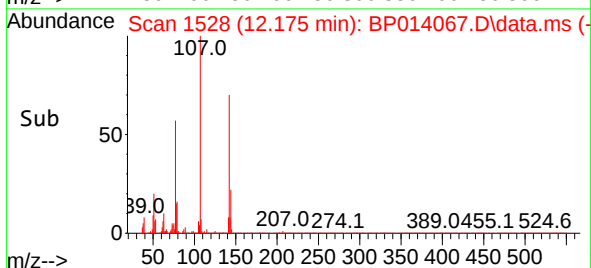
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

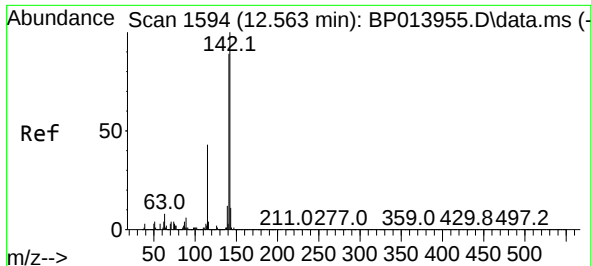


#36  
4-Chloro-3-methylphenol  
Concen: 9.799 ng  
RT: 12.175 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17



Tgt Ion:107 Resp: 100077  
Ion Ratio Lower Upper  
107 100  
144 22.4 19.3 28.9  
142 69.7 58.5 87.7





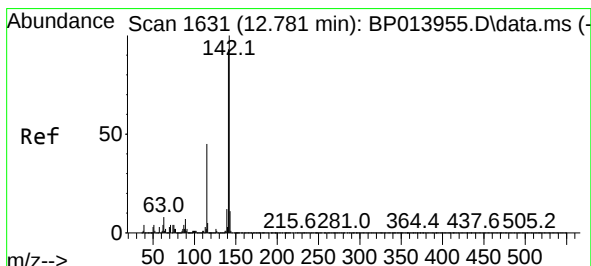
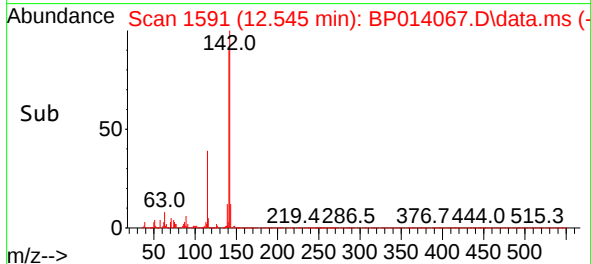
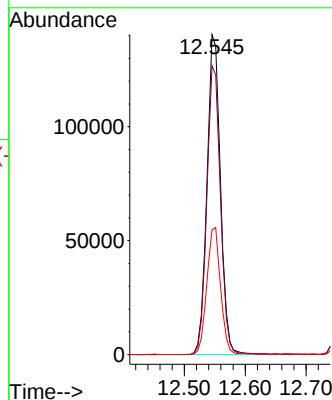
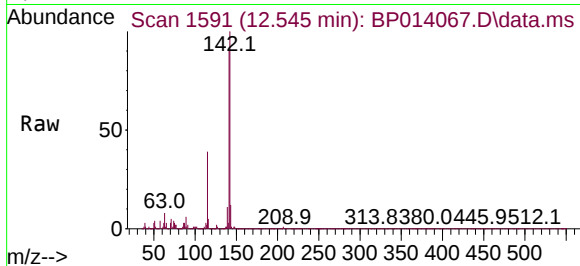
#37  
2-Methylnaphthalene  
Concen: 10.088 ng  
RT: 12.545 min Scan# 1591  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:142 Resp: 216065  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.0 106.4  
115 39.0 34.5 51.7

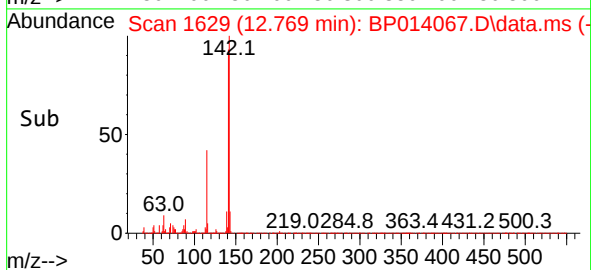
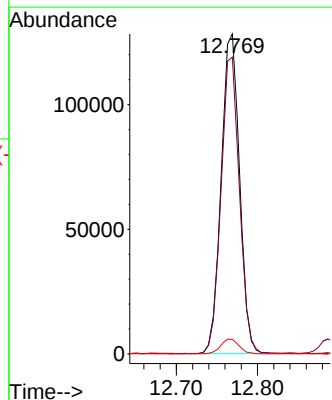
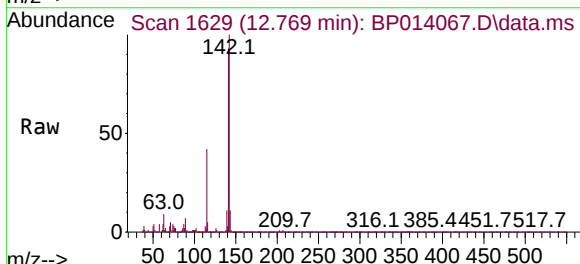
Manual Integrations  
APPROVED

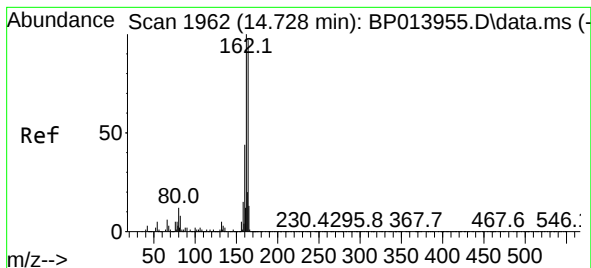
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#38  
1-Methylnaphthalene  
Concen: 10.094 ng  
RT: 12.769 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:142 Resp: 201530  
Ion Ratio Lower Upper  
142 100  
141 92.7 74.4 111.6  
116 4.5 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.716 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

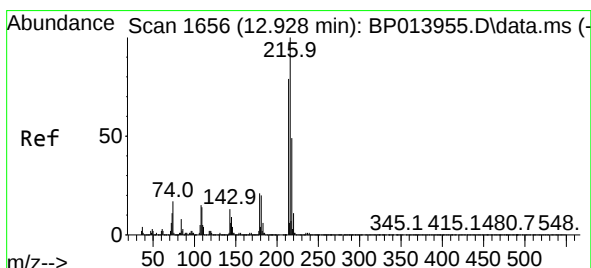
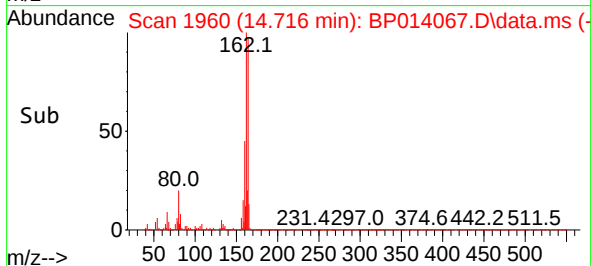
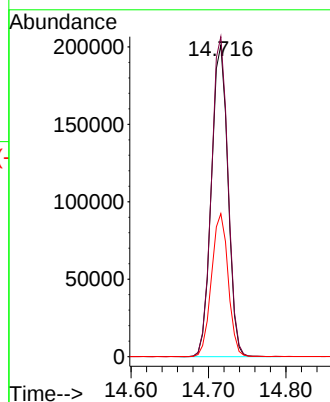
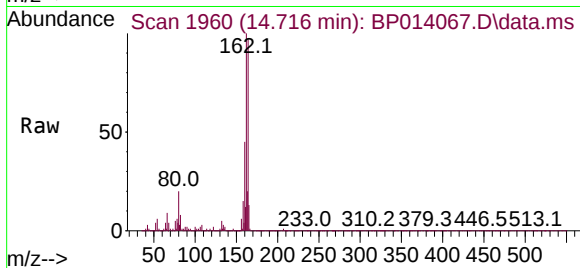
LOQ-SOIL-02-QT1-2023

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 298433 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.7 | 82.1  | 123.1  |
| 160       | 45.9  | 36.2  | 54.2   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.049 ng

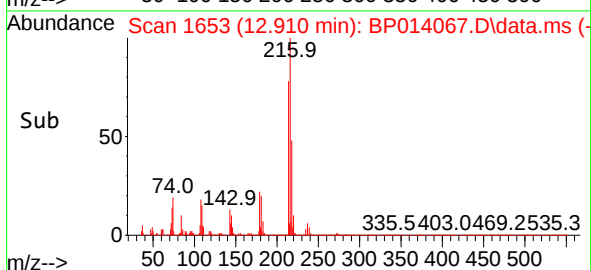
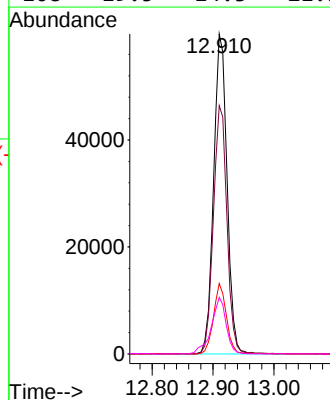
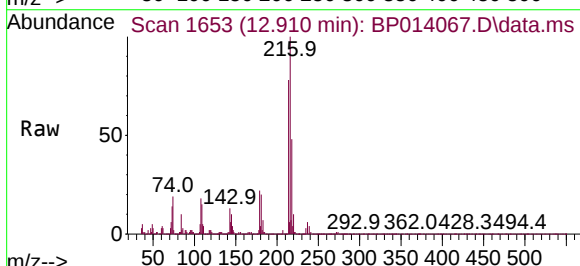
RT: 12.910 min Scan# 1653

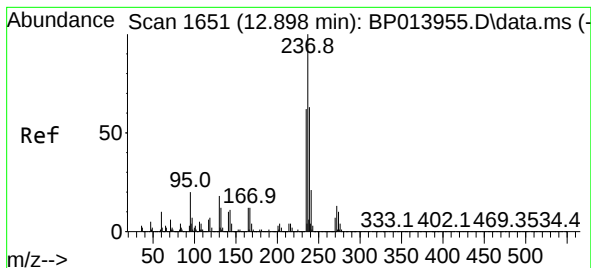
Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

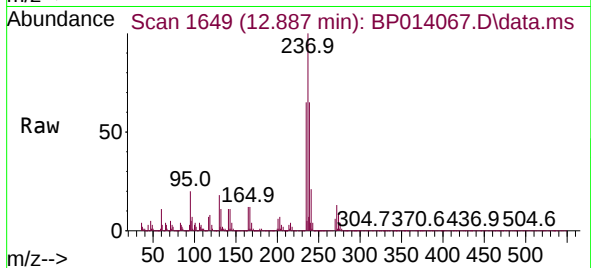
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 91563 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 78.2  | 62.2  | 93.2  |
| 179       | 21.2  | 16.6  | 24.8  |
| 108       | 19.5  | 14.3  | 21.5  |





#41  
Hexachlorocyclopentadiene  
Concen: 11.023 ng  
RT: 12.887 min Scan# 1649  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

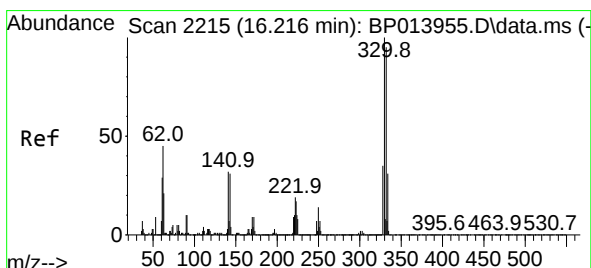
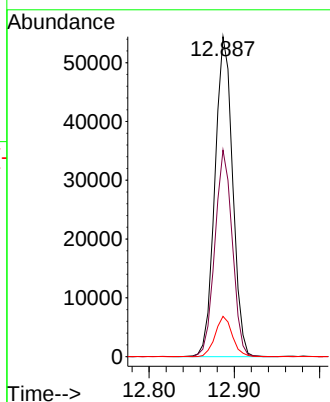
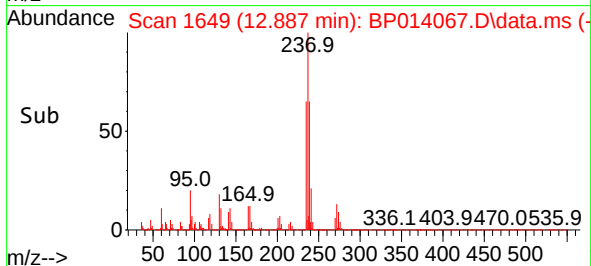
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



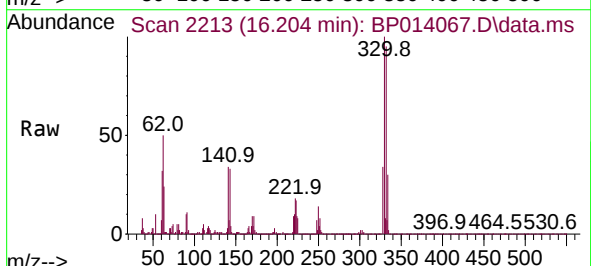
Tgt Ion: 237 Resp: 78690  
Ion Ratio Lower Upper  
237 100  
235 64.5 41.9 81.9  
272 12.6 0.0 32.6

Manual Integrations  
APPROVED

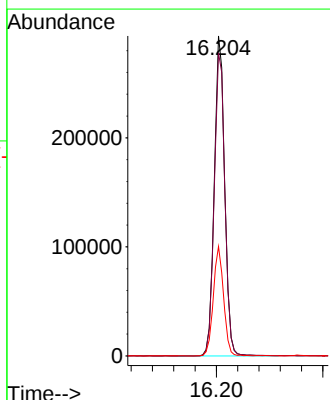
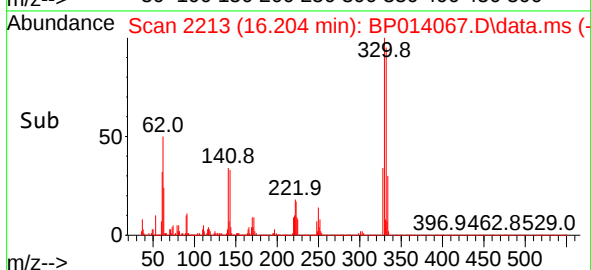
Reviewed By : Christian Giraldo 03/14/2023  
Supervised By : Jagrut Upadhyay 03/14/2023

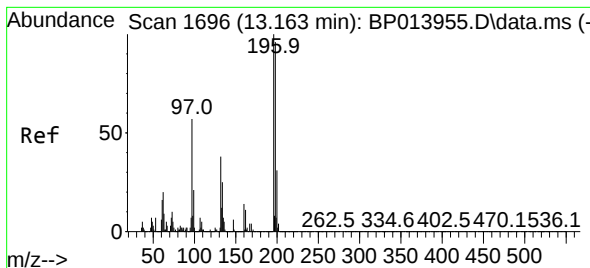


#42  
2,4,6-Tribromophenol  
Concen: 82.184 ng  
RT: 16.204 min Scan# 2213  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17



Tgt Ion: 330 Resp: 397662  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.1 115.7  
141 33.9 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 10.287 ng

RT: 13.151 min Scan# 1696

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNP\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

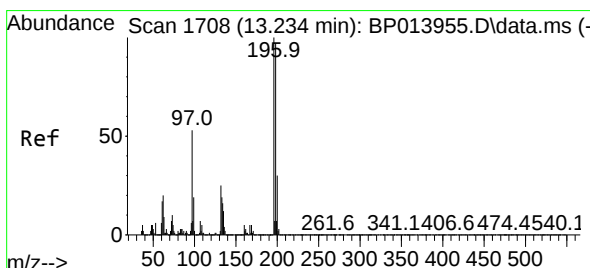
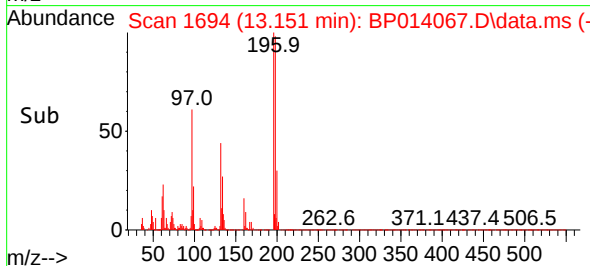
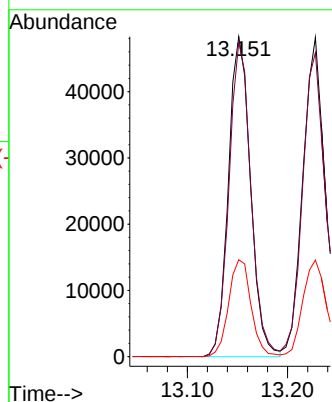
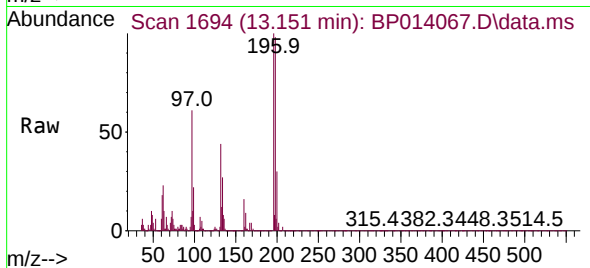
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 73964      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 98.2  | 76.7 115.1 |
| 200         | 30.3  | 25.2 37.8  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#44

2,4,5-Trichlorophenol

Concen: 9.404 ng

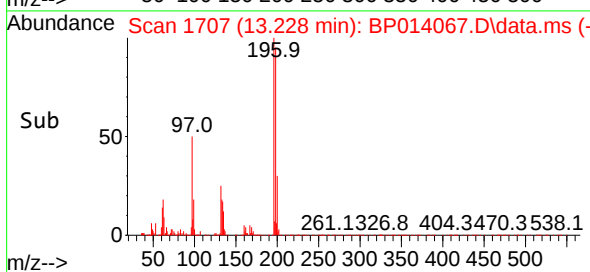
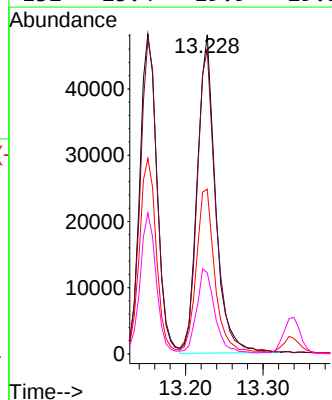
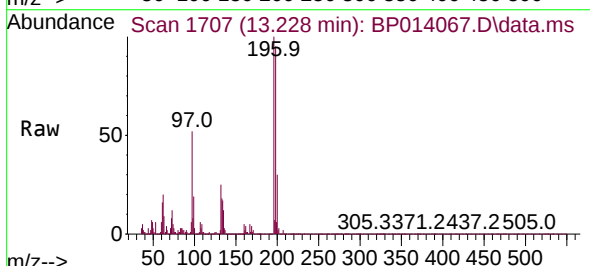
RT: 13.228 min Scan# 1707

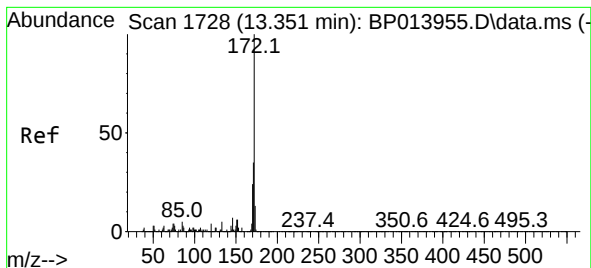
Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 78357      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 95.2  | 77.5 116.3 |
| 97          | 51.6  | 42.6 64.0  |
| 132         | 25.4  | 19.9 29.9  |





#45

2-Fluorobiphenyl

Concen: 69.511 ng

RT: 13.340 min Scan# 1726

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:172 Resp: 1601166

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

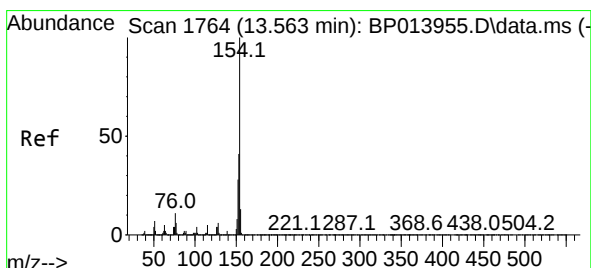
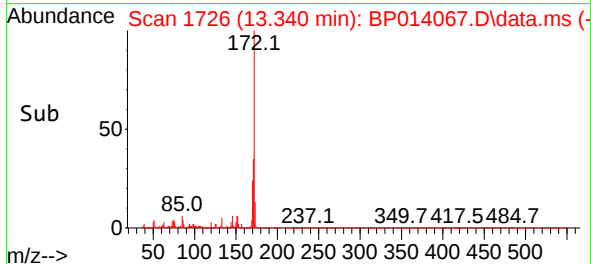
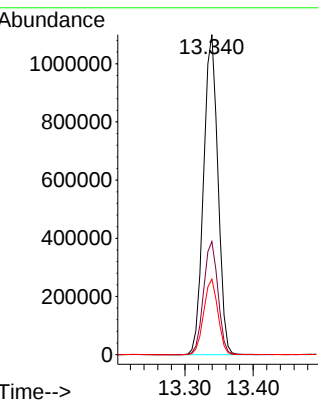
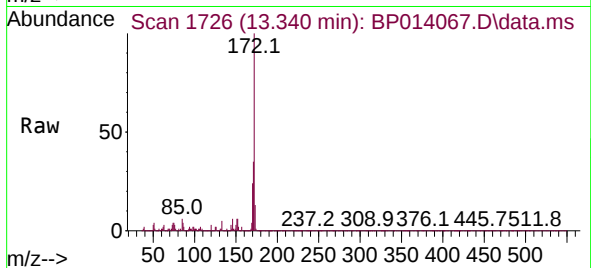
170 23.6 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#46

1,1'-Biphenyl

Concen: 8.320 ng

RT: 13.551 min Scan# 1762

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

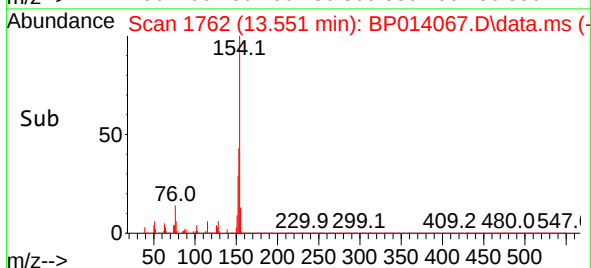
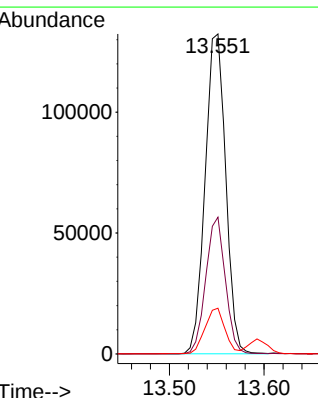
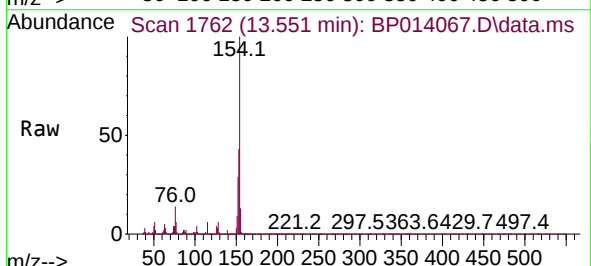
Tgt Ion:154 Resp: 199867

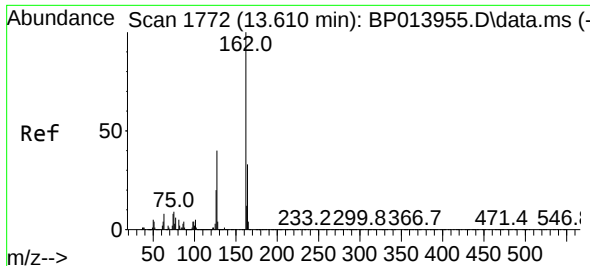
Ion Ratio Lower Upper

154 100

153 42.7 21.0 61.0

76 14.3 0.0 31.0





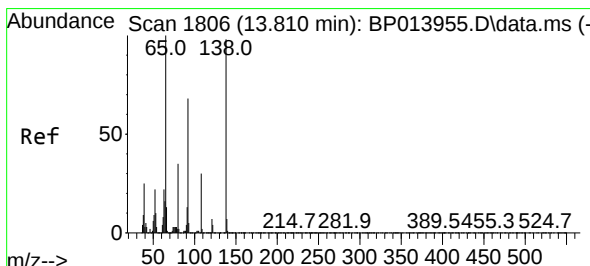
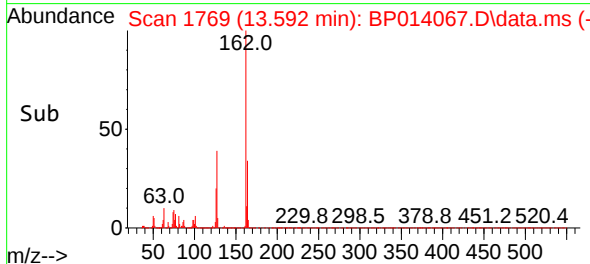
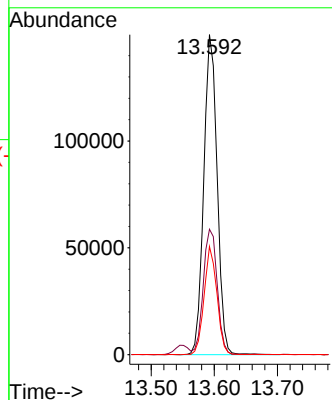
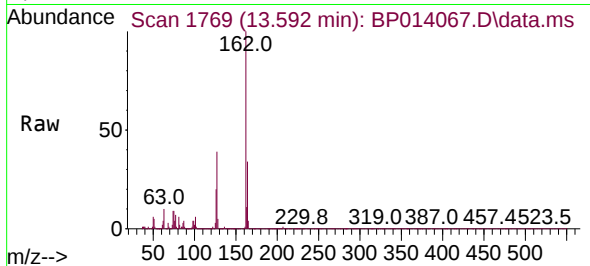
#47  
2-Chloronaphthalene  
Concen: 11.918 ng  
RT: 13.592 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:162 Resp: 220396  
Ion Ratio Lower Upper  
162 100  
127 39.2 32.5 48.7  
164 33.8 26.3 39.5

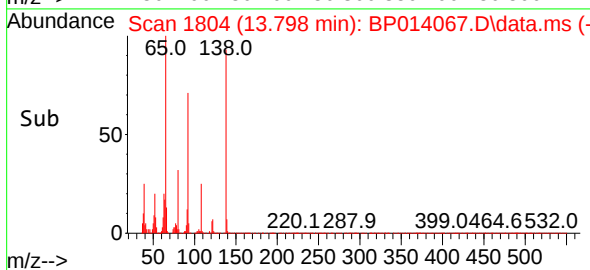
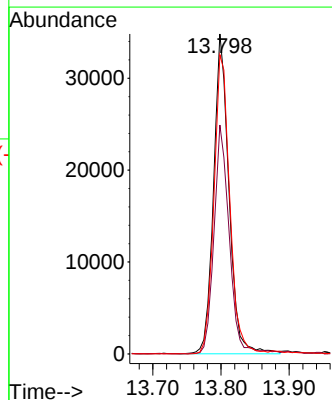
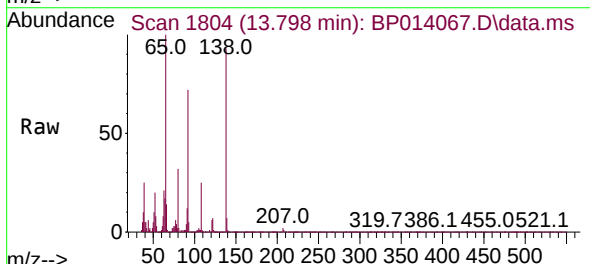
Manual Integrations  
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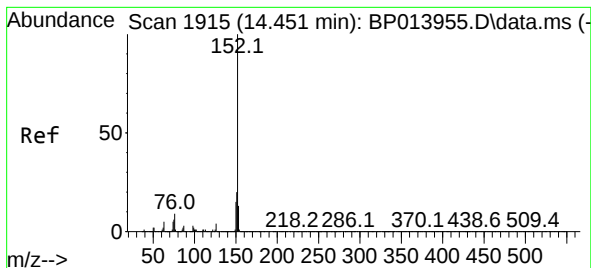
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#48  
2-Nitroaniline  
Concen: 9.700 ng  
RT: 13.798 min Scan# 1804  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion: 65 Resp: 54438  
Ion Ratio Lower Upper  
65 100  
92 71.5 54.4 81.6  
138 93.5 78.0 117.0





#49

Acenaphthylene

Concen: 10.878 ng

RT: 14.439 min Scan# 1915

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

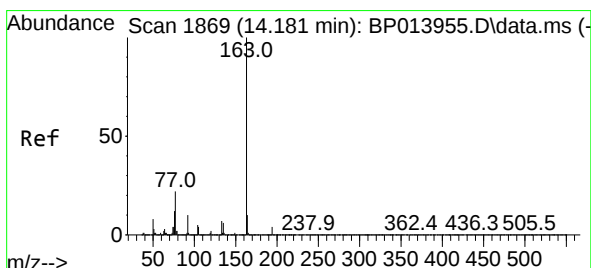
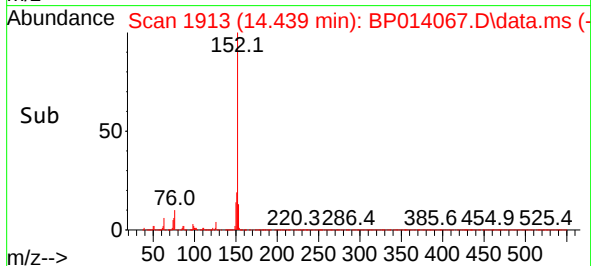
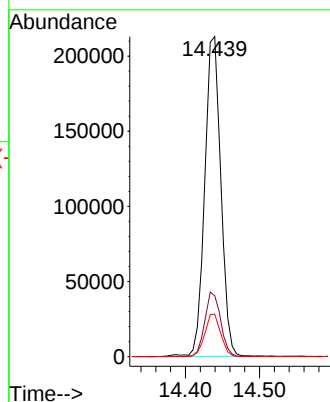
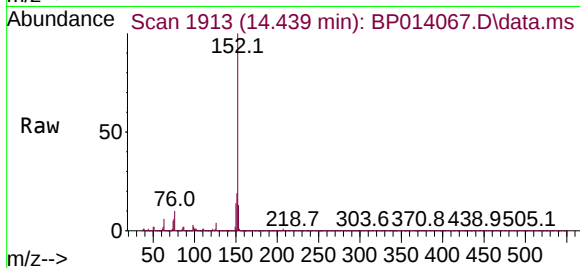
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 31991 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.0  | 16.1  | 24.1  |
| 153       | 13.3  | 10.4  | 15.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#50

Dimethylphthalate

Concen: 10.196 ng

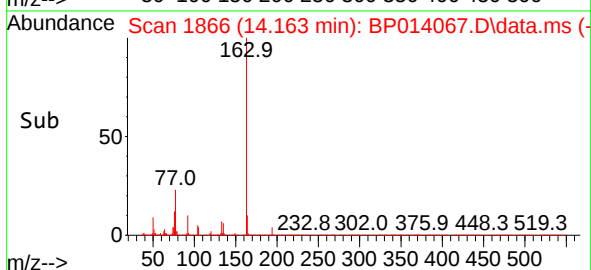
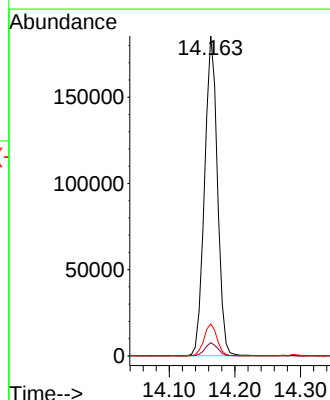
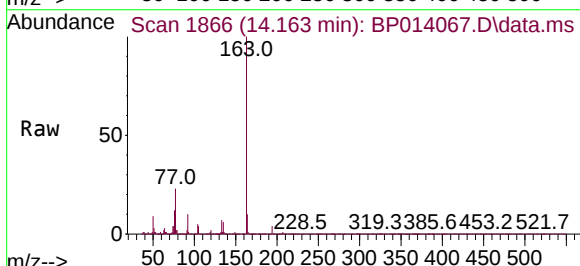
RT: 14.163 min Scan# 1866

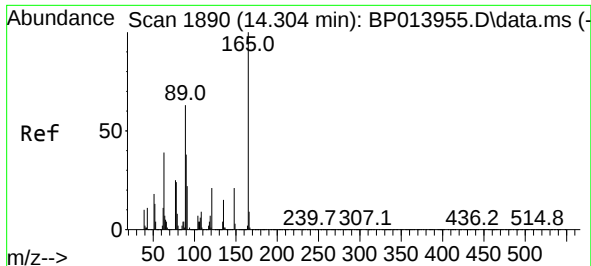
Delta R.T. -0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 251035 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.1   | 3.4   | 5.2    |
| 164       | 10.0  | 8.1   | 12.1   |





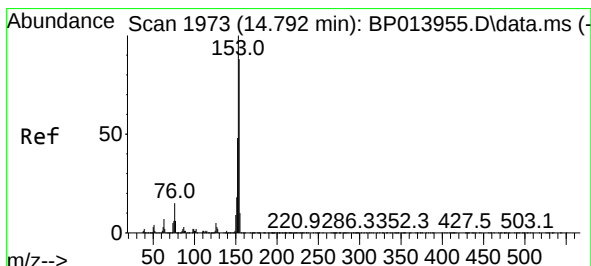
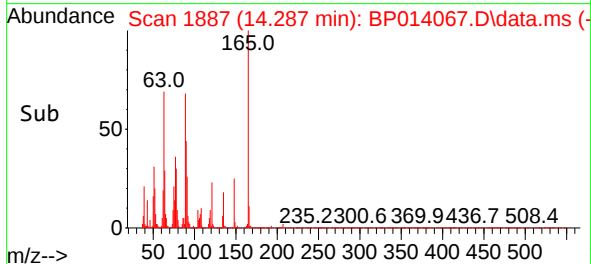
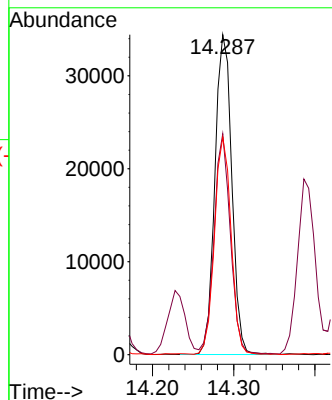
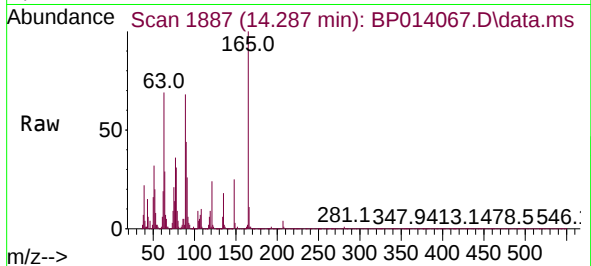
#51  
2,6-Dinitrotoluene  
Concen: 9.579 ng  
RT: 14.287 min Scan# 1890  
Delta R.T. -0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:165 Resp: 49663  
Ion Ratio Lower Upper  
165 100  
63 69.0 46.7 70.1  
89 67.9 50.8 76.2

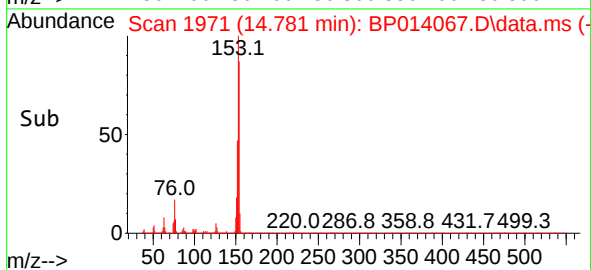
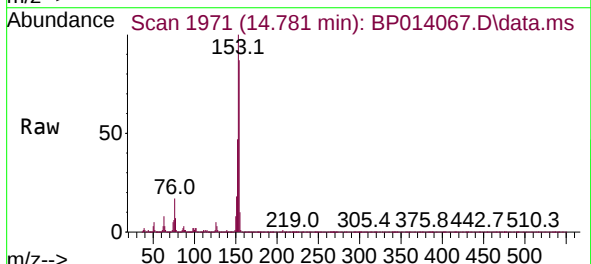
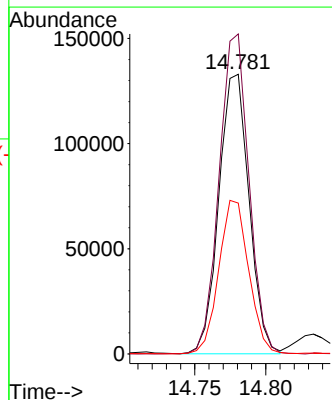
Manual Integrations  
APPROVED

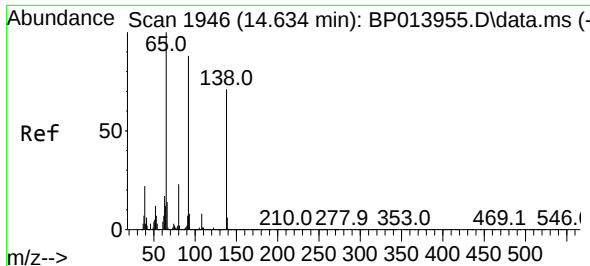
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#52  
Acenaphthene  
Concen: 11.121 ng  
RT: 14.781 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:154 Resp: 196870  
Ion Ratio Lower Upper  
154 100  
153 114.4 91.3 136.9  
152 53.9 43.4 65.0





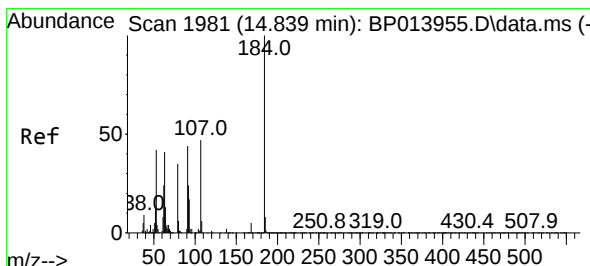
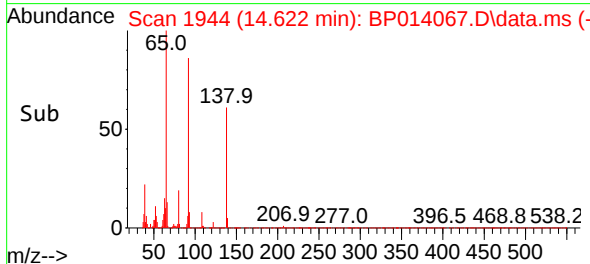
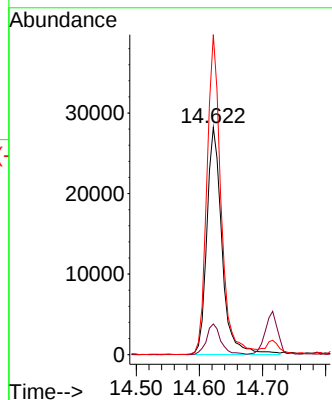
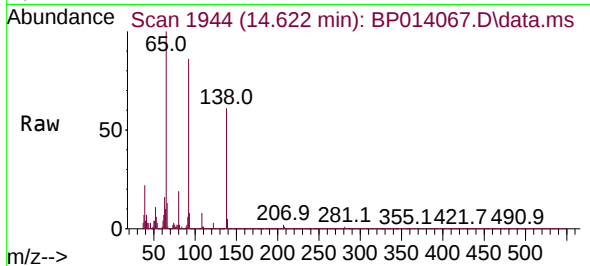
#53  
3-Nitroaniline  
Concen: 9.193 ng  
RT: 14.622 min Scan# 1946  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:138 Resp: 46711  
Ion Ratio Lower Upper  
138 100  
108 13.5 9.5 14.3  
92 140.8 99.2 148.8

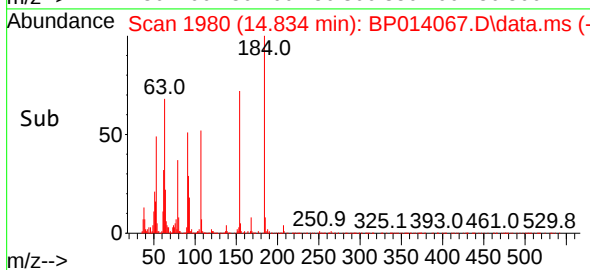
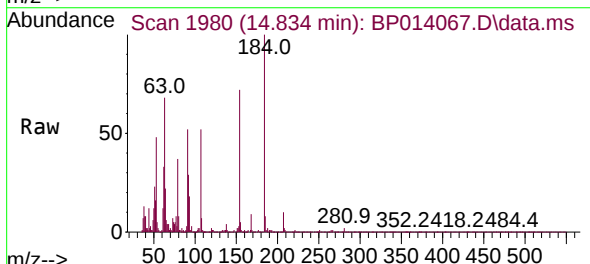
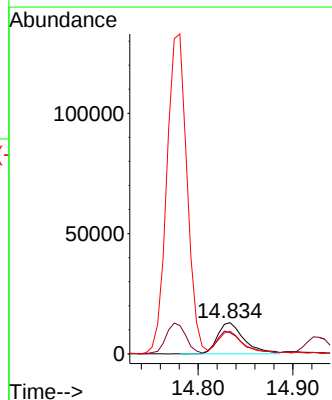
Manual Integrations  
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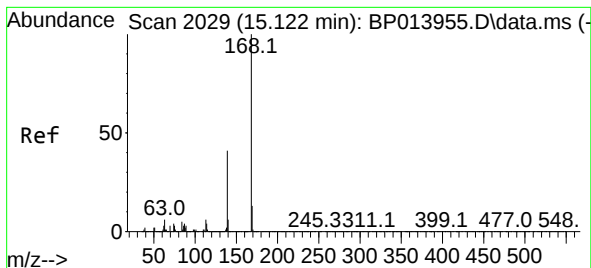
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#54  
2,4-Dinitrophenol  
Concen: 9.418 ng  
RT: 14.834 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:184 Resp: 25346  
Ion Ratio Lower Upper  
184 100  
63 68.0 52.4 78.6  
154 72.3 59.4 89.2





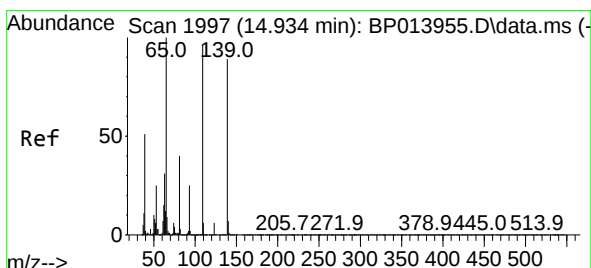
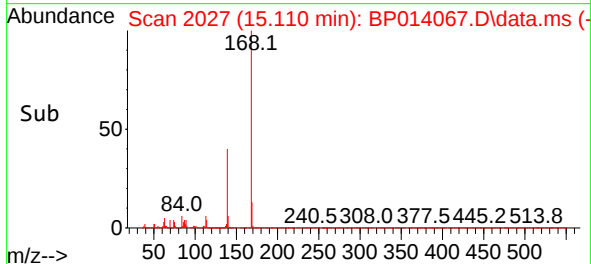
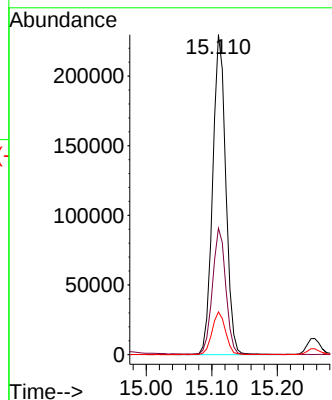
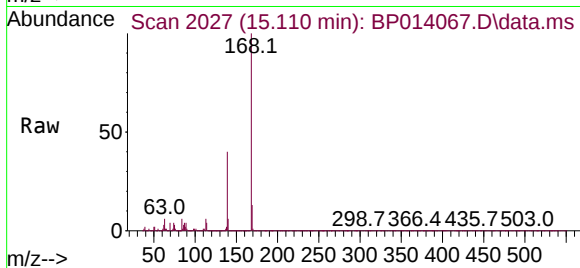
#55  
Dibenzenofuran  
Concen: 11.078 ng  
RT: 15.110 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:168 Resp: 319718  
Ion Ratio Lower Upper  
168 100  
139 39.5 32.9 49.3  
169 13.3 10.6 15.8

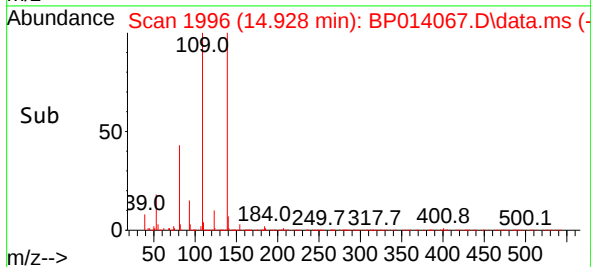
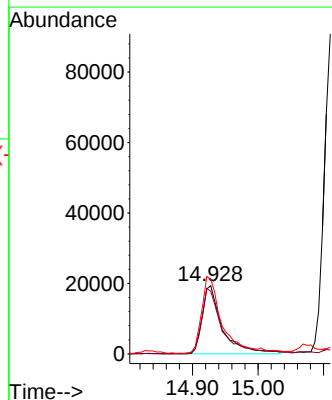
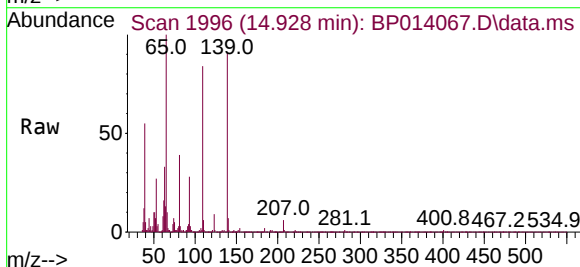
Manual Integrations  
APPROVED

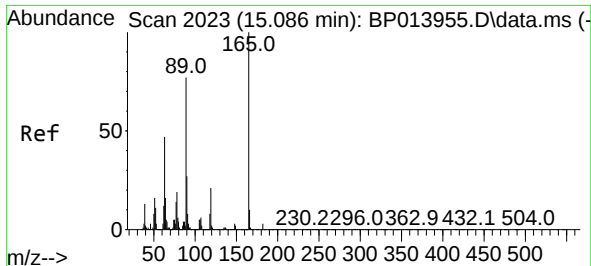
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#56  
4-Nitrophenol  
Concen: 10.046 ng  
RT: 14.928 min Scan# 1996  
Delta R.T. 0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

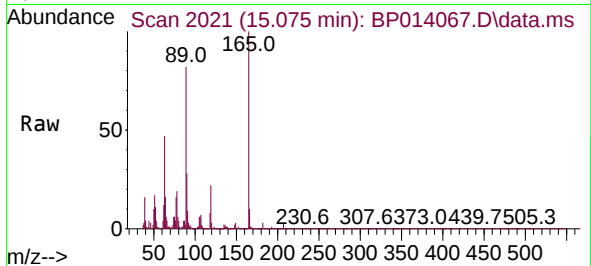
Tgt Ion:139 Resp: 41565  
Ion Ratio Lower Upper  
139 100  
109 91.8 87.0 127.0  
65 109.8 92.1 132.1





#57  
2,4-Dinitrotoluene  
Concen: 8.901 ng  
RT: 15.075 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

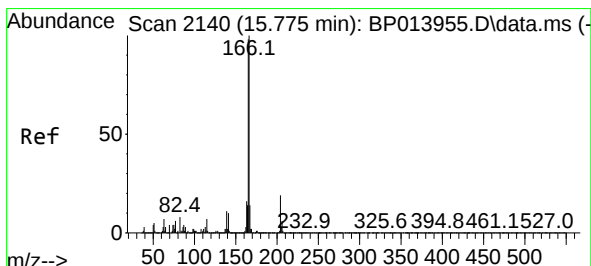
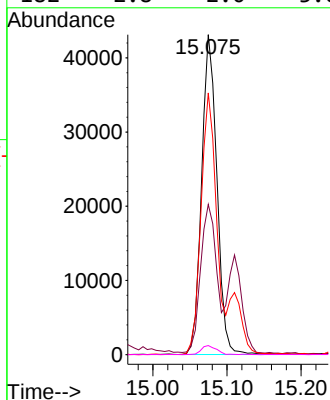
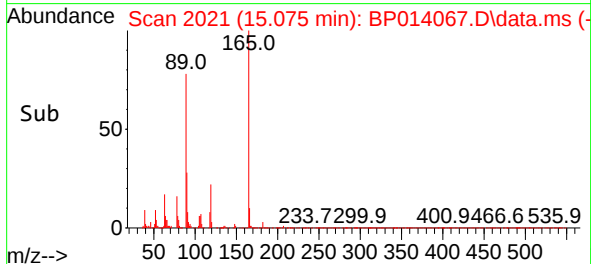
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion:165 Resp: 61686  
Ion Ratio Lower Upper  
165 100  
63 46.9 37.5 56.3  
89 81.8 61.8 92.8  
182 2.8 2.0 3.0

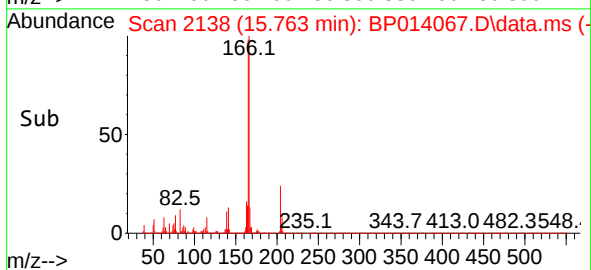
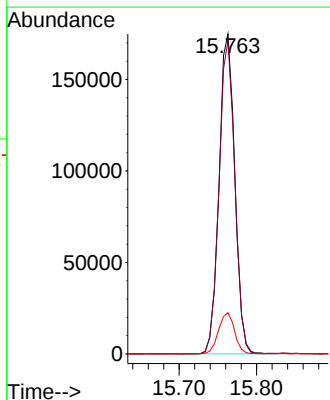
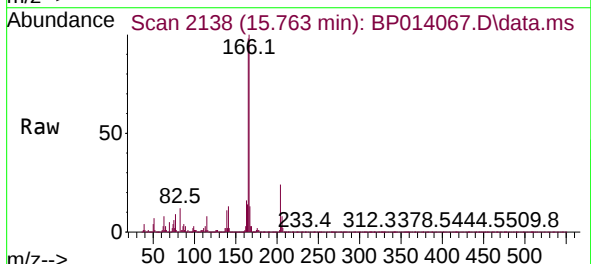
Manual Integrations  
APPROVED

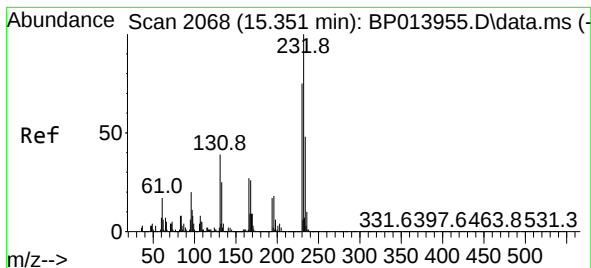
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#58  
Fluorene  
Concen: 10.753 ng  
RT: 15.763 min Scan# 2138  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:166 Resp: 246406  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.1 117.1  
167 12.9 10.8 16.2





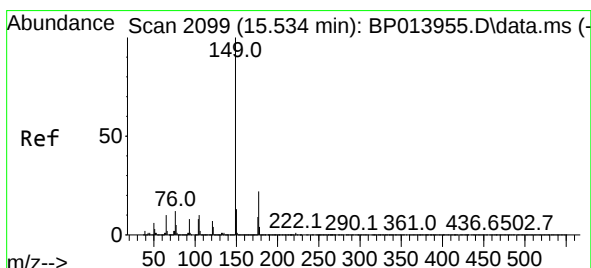
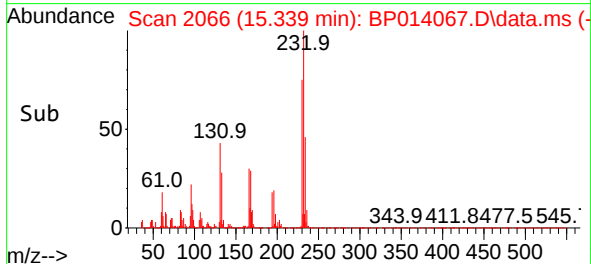
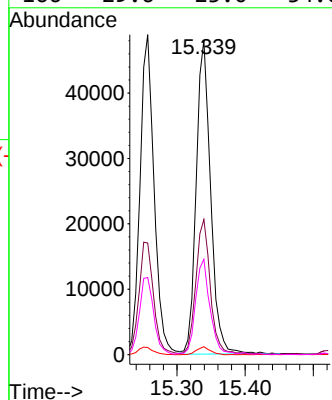
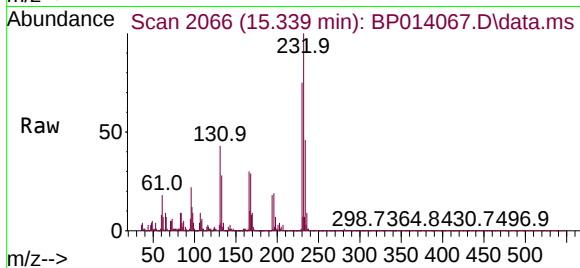
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 9.745 ng  
RT: 15.339 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:232 Resp: 7083  
Ion Ratio Lower Upper  
232 100  
131 43.1 32.5 48.7  
130 2.3 1.9 2.9  
166 29.6 23.0 34.6

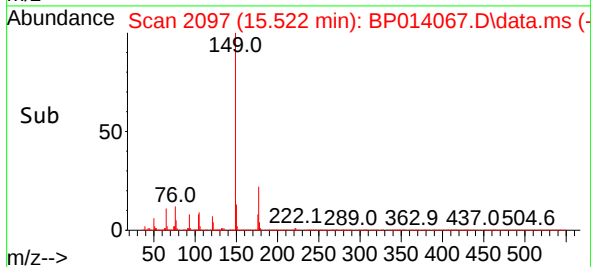
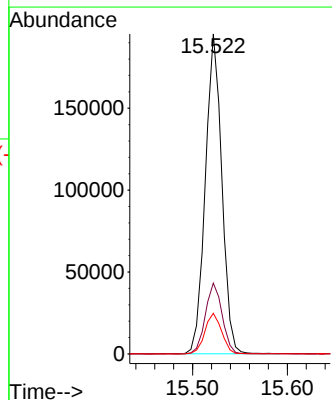
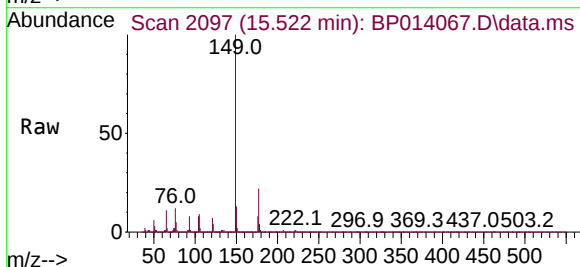
Manual Integrations  
APPROVED

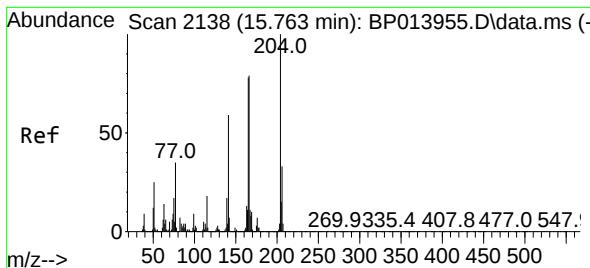
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#60  
Diethylphthalate  
Concen: 9.739 ng  
RT: 15.522 min Scan# 2097  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:149 Resp: 236743  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.0 27.0  
150 12.7 10.3 15.5





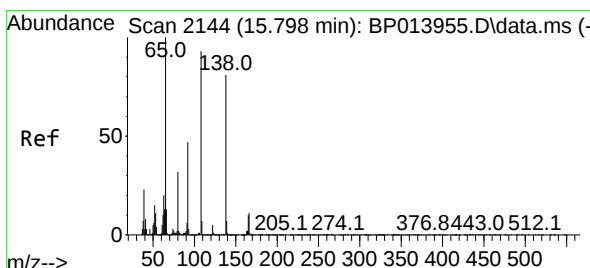
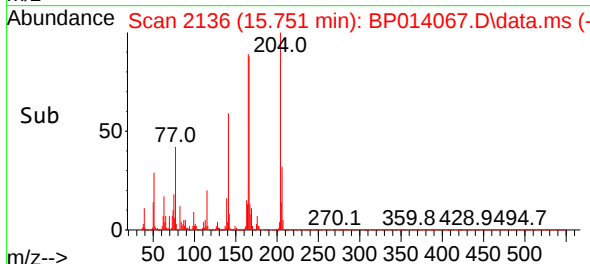
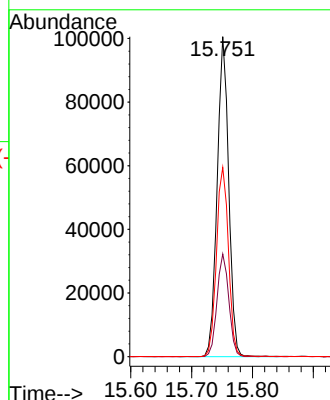
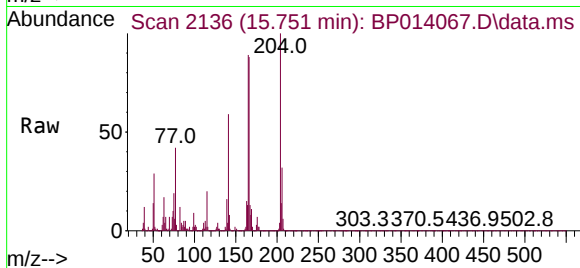
#61  
4-Chlorophenyl-phenylether  
Concen: 10.178 ng  
RT: 15.751 min Scan# 2136  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:204 Resp: 132216  
Ion Ratio Lower Upper  
204 100  
206 32.1 26.2 39.4  
141 59.1 46.9 70.3

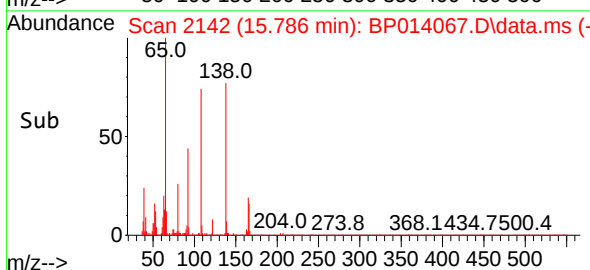
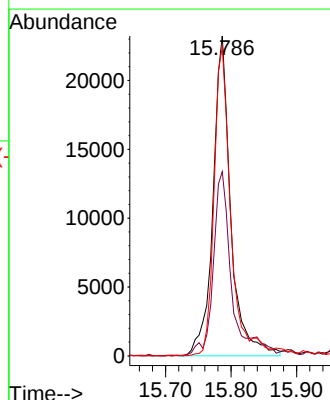
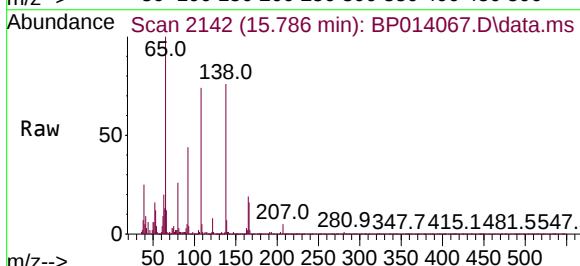
Manual Integrations  
APPROVED

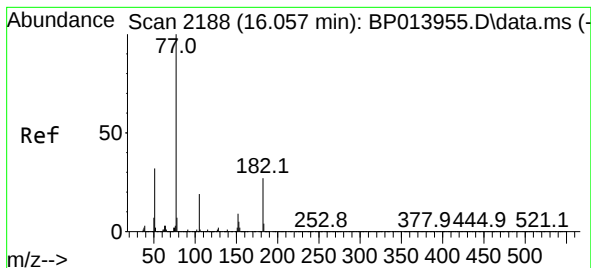
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#62  
4-Nitroaniline  
Concen: 8.678 ng  
RT: 15.786 min Scan# 2142  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:138 Resp: 43904  
Ion Ratio Lower Upper  
138 100  
92 57.6 37.9 77.9  
108 96.5 94.9 134.9





#63

Azobenzene

Concen: 10.838 ng

RT: 16.045 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion: 77 Resp: 243774

Ion Ratio Lower Upper

77 100

182 23.3 6.9 46.9

105 19.4 0.0 39.4

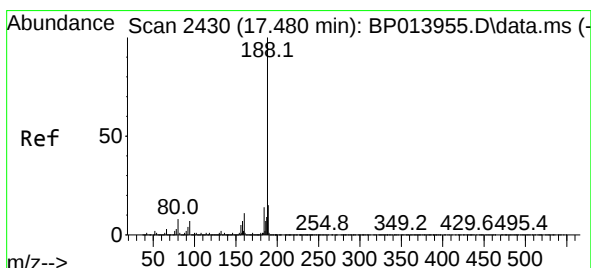
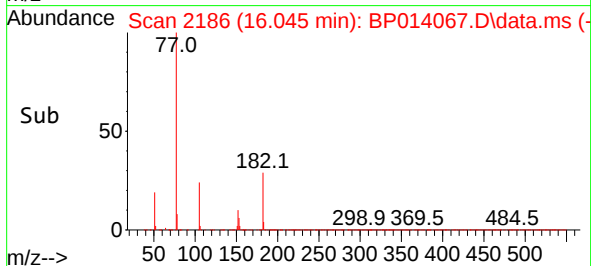
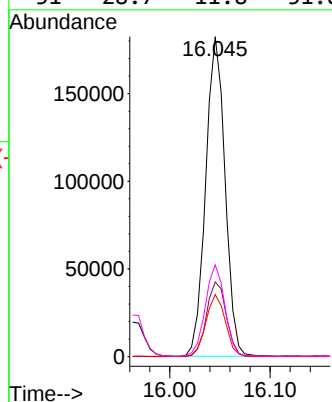
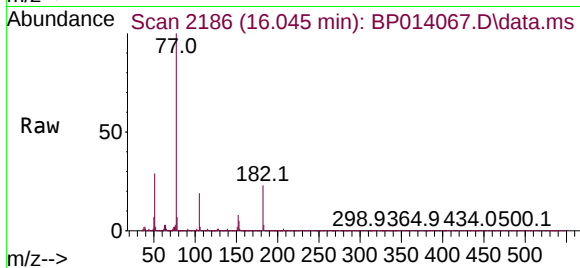
51 28.7 11.8 51.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.469 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

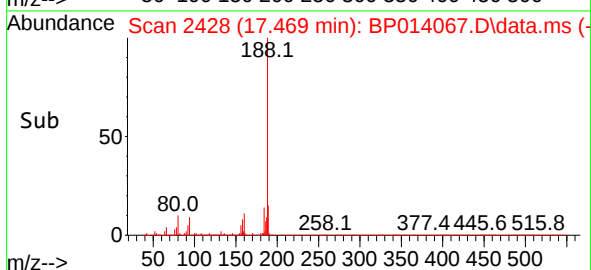
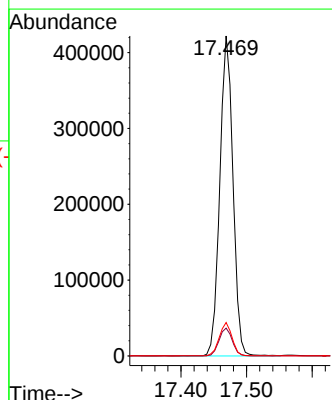
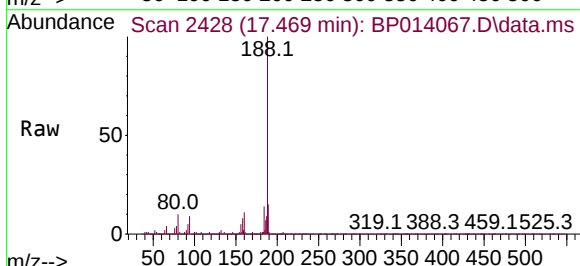
Tgt Ion:188 Resp: 588755

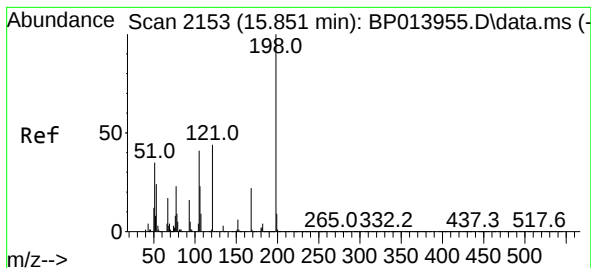
Ion Ratio Lower Upper

188 100

94 8.7 5.8 8.6#

80 10.4 6.6 9.8#





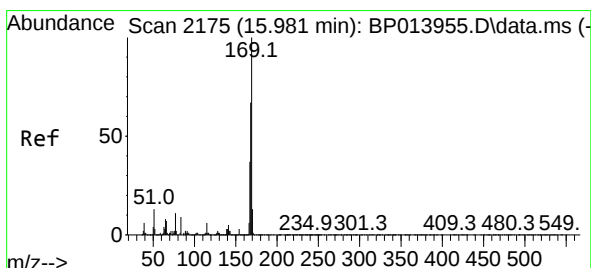
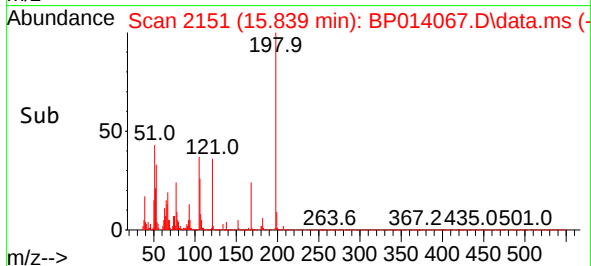
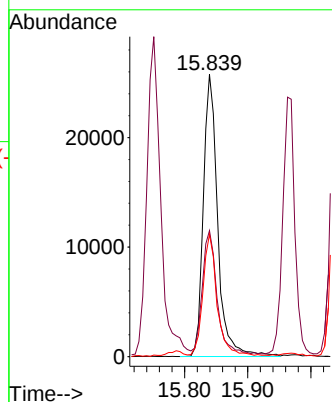
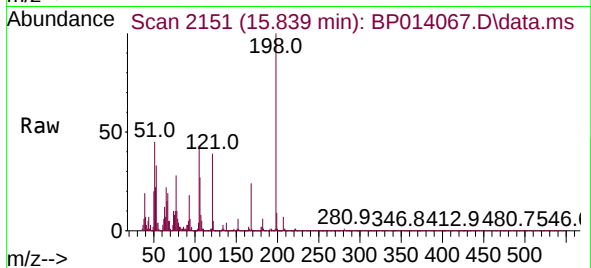
#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.326 ng  
RT: 15.839 min Scan# 2153  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:198 Resp: 40669  
Ion Ratio Lower Upper  
198 100  
51 44.7 22.1 62.1  
105 43.3 21.5 61.5

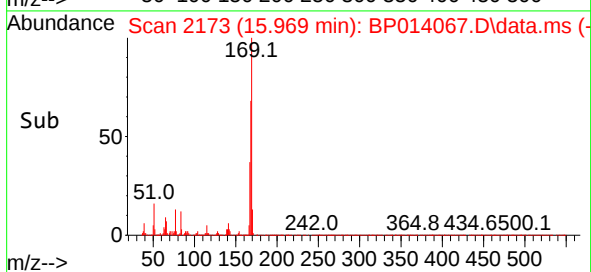
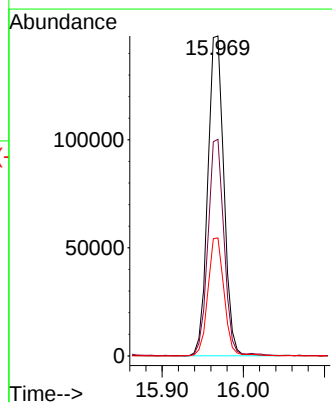
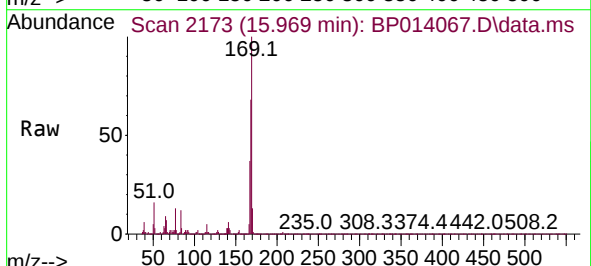
Manual Integrations  
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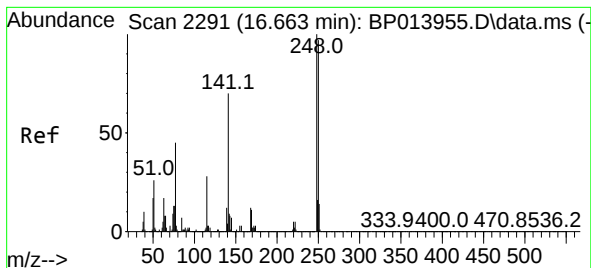
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#66  
n-Nitrosodiphenylamine  
Concen: 10.985 ng  
RT: 15.969 min Scan# 2173  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:169 Resp: 204374  
Ion Ratio Lower Upper  
169 100  
168 67.7 54.0 81.0  
167 36.9 29.4 44.2





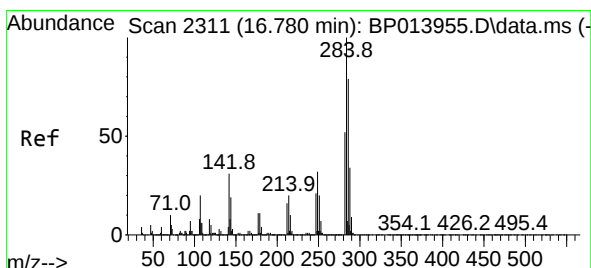
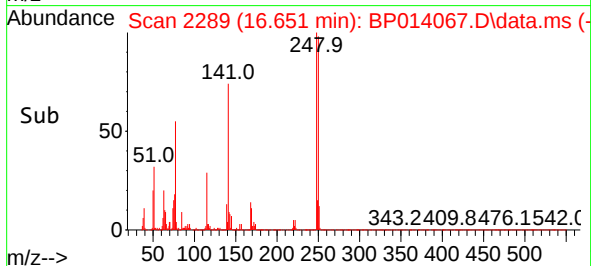
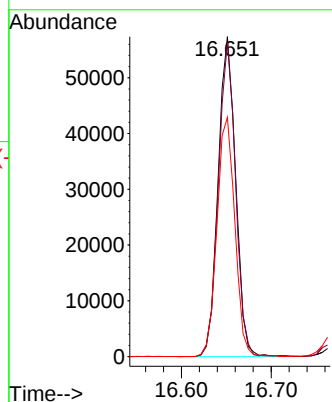
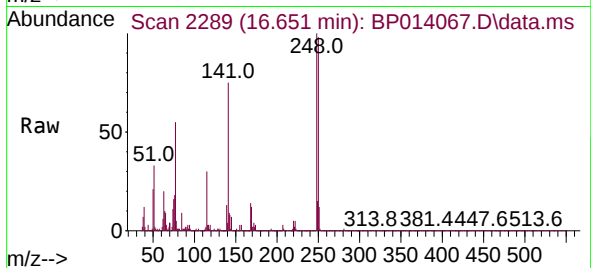
#67  
4-Bromophenyl-phenylether  
Concen: 9.987 ng  
RT: 16.651 min Scan# 2109  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:248 Resp: 77774  
Ion Ratio Lower Upper  
248 100  
250 98.3 77.9 116.9  
141 74.8 56.0 84.0

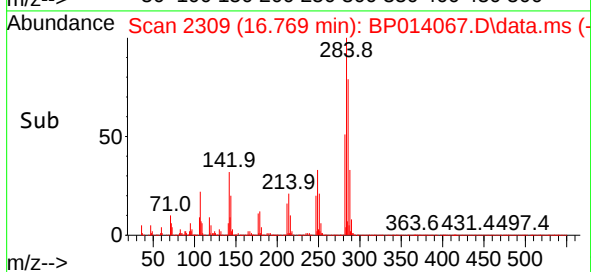
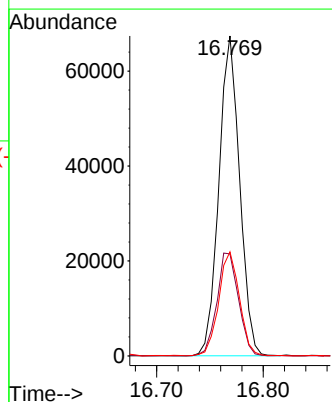
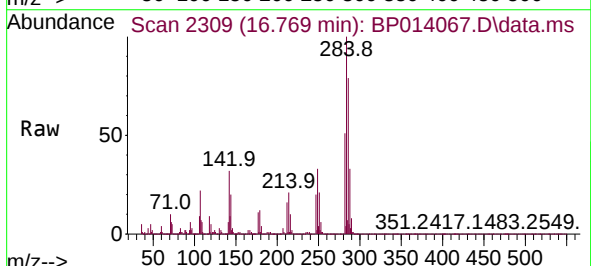
Manual Integrations  
APPROVED

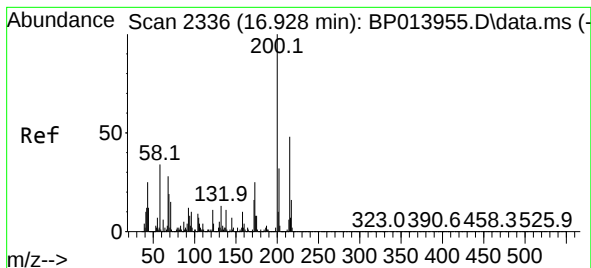
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#68  
Hexachlorobenzene  
Concen: 10.947 ng  
RT: 16.769 min Scan# 2309  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:284 Resp: 91384  
Ion Ratio Lower Upper  
284 100  
142 31.9 24.8 37.2  
249 32.5 25.7 38.5





#69

Atrazine

Concen: 7.423 ng

RT: 16.916 min Scan# 2334

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

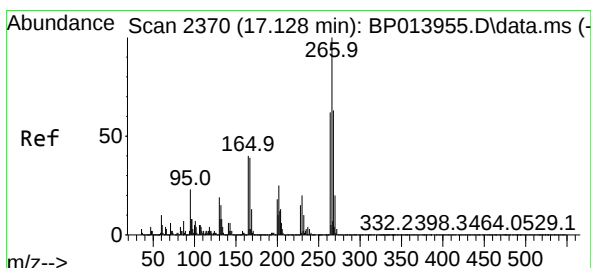
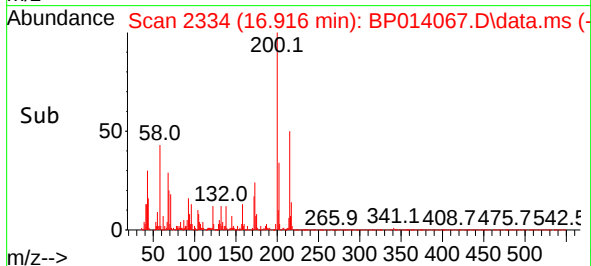
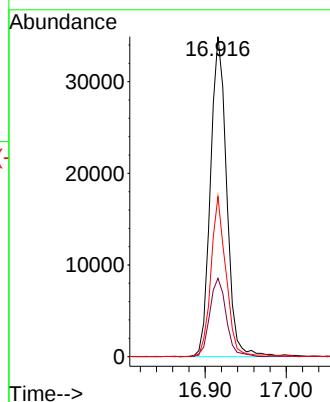
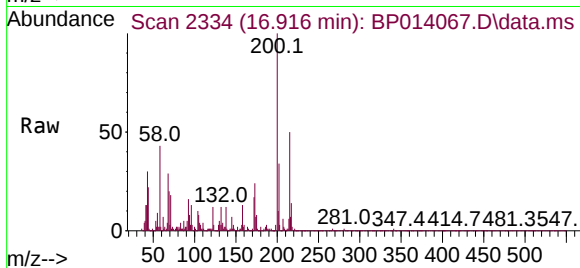
ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:200 Resp: 48488  
 Ion Ratio Lower Upper  
 200 100  
 173 24.5 5.5 45.5  
 215 50.0 27.9 67.9

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 03/14/2023  
 Supervised By :Jagrut Upadhyay 03/14/2023



#70

Pentachlorophenol

Concen: 9.234 ng

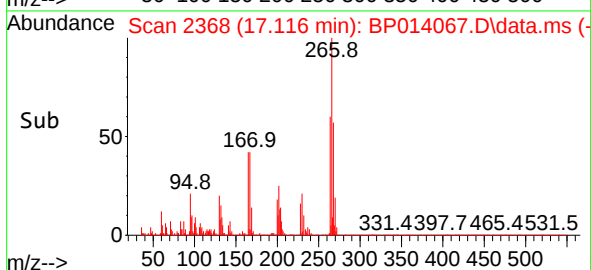
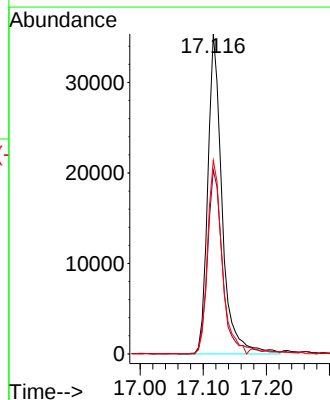
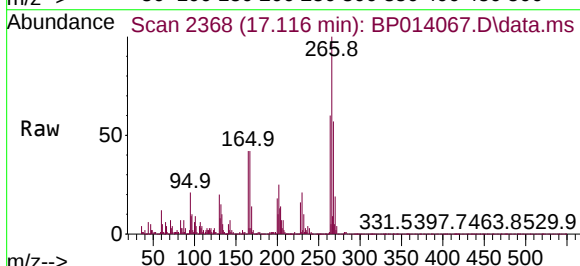
RT: 17.116 min Scan# 2368

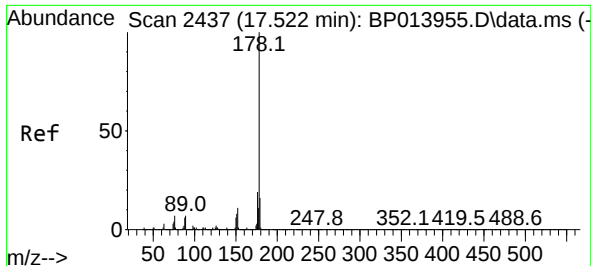
Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Tgt Ion:266 Resp: 55591  
 Ion Ratio Lower Upper  
 266 100  
 268 57.5 50.4 75.6  
 264 60.5 49.2 73.8





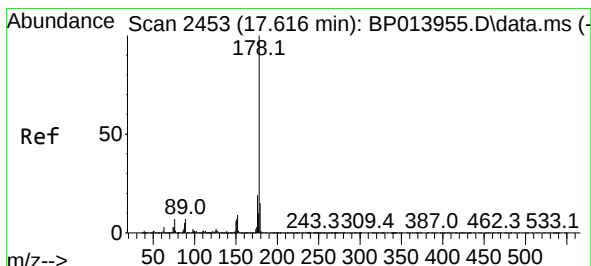
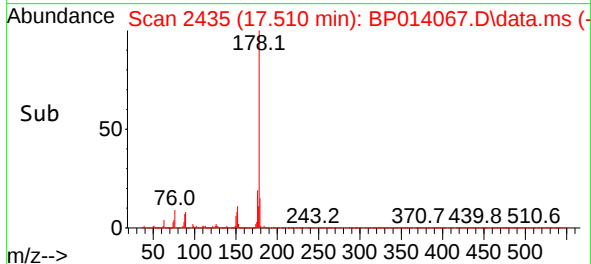
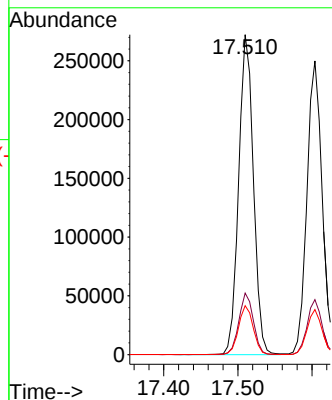
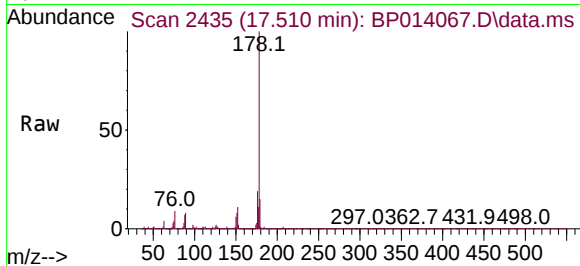
#71  
Phenanthrene  
Concen: 11.429 ng  
RT: 17.510 min Scan# 2435  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:178 Resp: 375922  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.2  
179 15.3 12.6 19.0

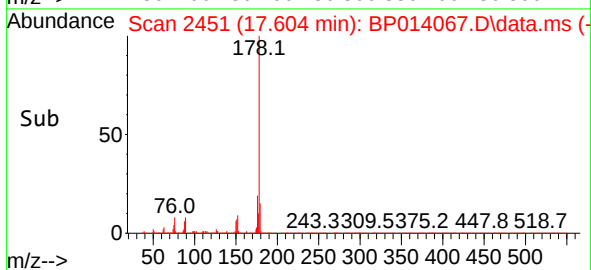
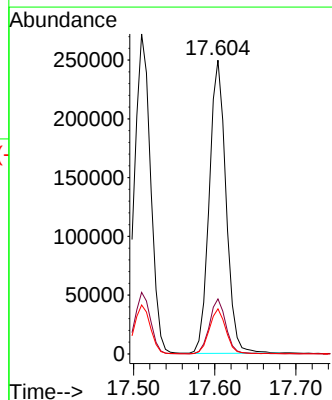
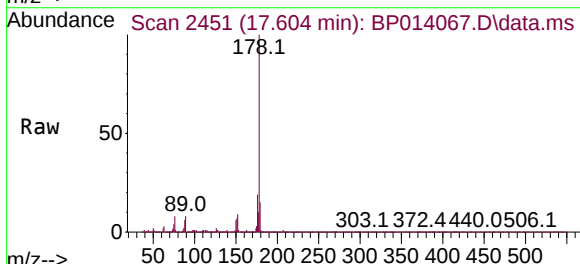
Manual Integrations  
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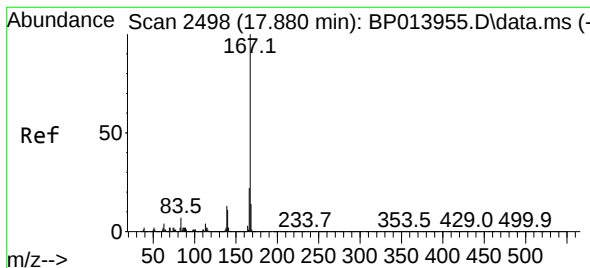
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#72  
Anthracene  
Concen: 10.663 ng  
RT: 17.604 min Scan# 2451  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:178 Resp: 358343  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.9 22.3  
179 15.3 12.1 18.1





#73

Carbazole

Concen: 10.729 ng

RT: 17.869 min Scan# 2498

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

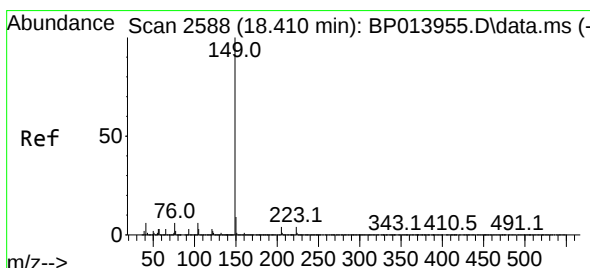
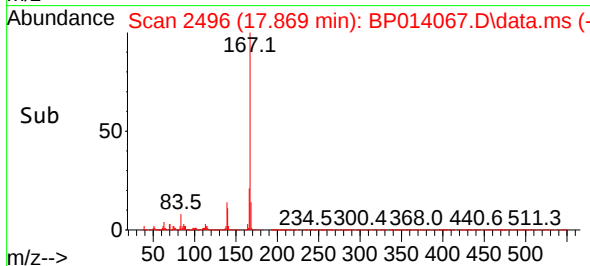
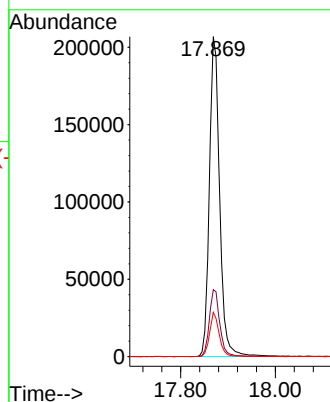
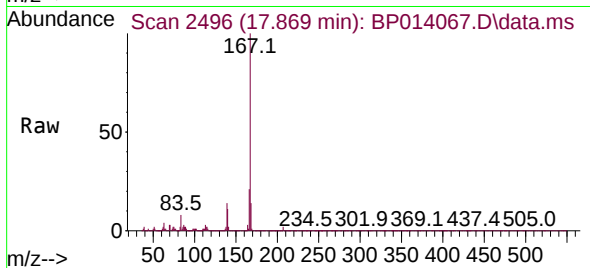
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 31102 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 20.9  | 17.2  | 25.8  |
| 139       | 13.8  | 10.5  | 15.7  |

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#74

Di-n-butylphthalate

Concen: 9.505 ng

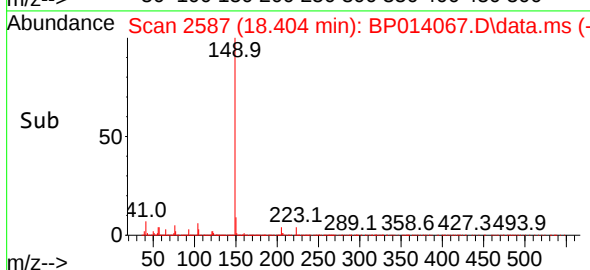
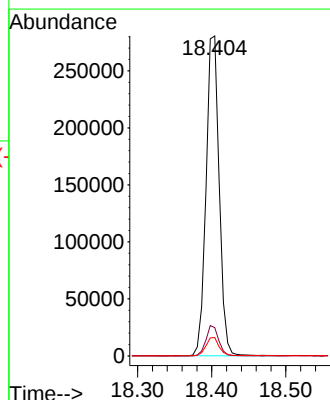
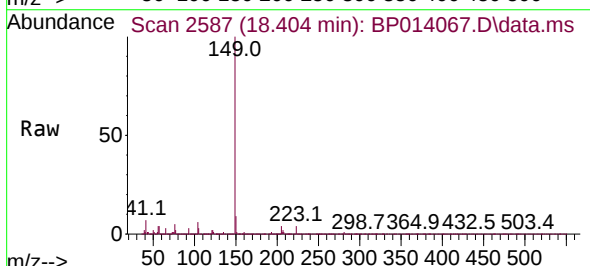
RT: 18.404 min Scan# 2587

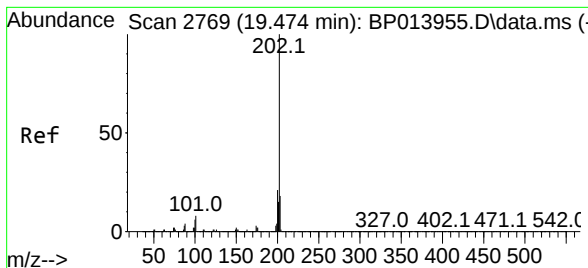
Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

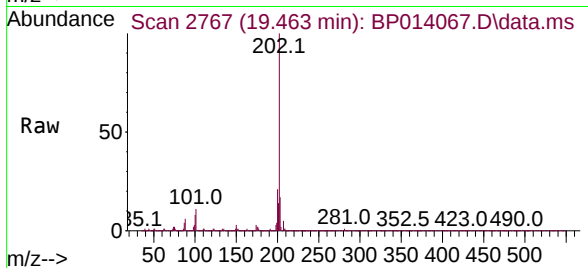
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 344514 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 8.8   | 7.2   | 10.8   |
| 104       | 5.7   | 4.6   | 7.0    |





#75  
Fluoranthene  
Concen: 10.102 ng  
RT: 19.463 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

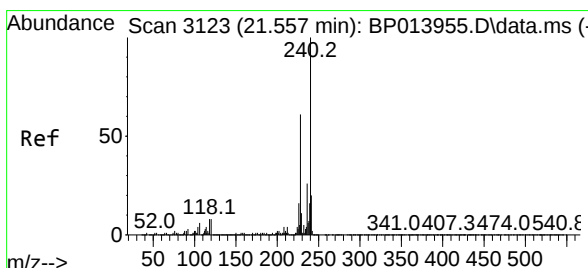
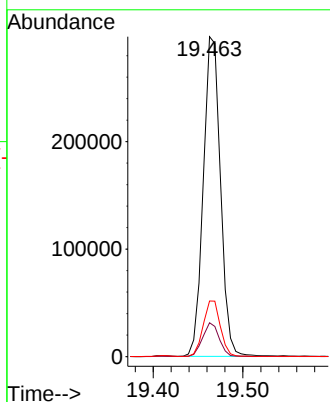
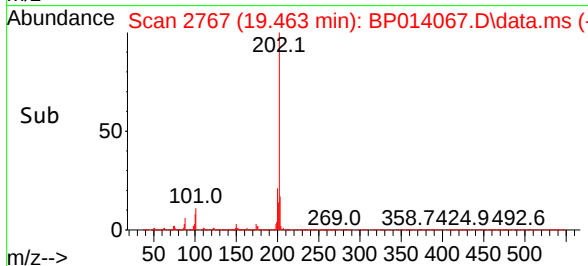
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



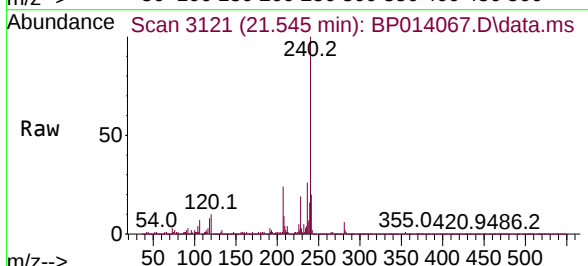
Tgt Ion:202 Resp: 397132  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 27.9  
203 17.4 0.0 37.7

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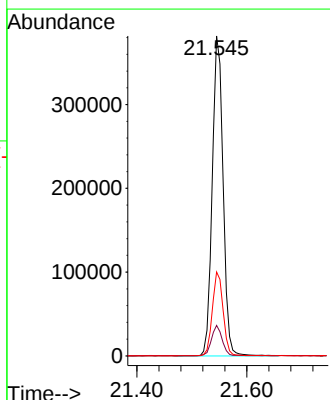
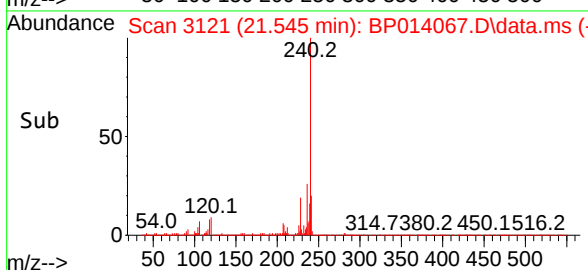
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

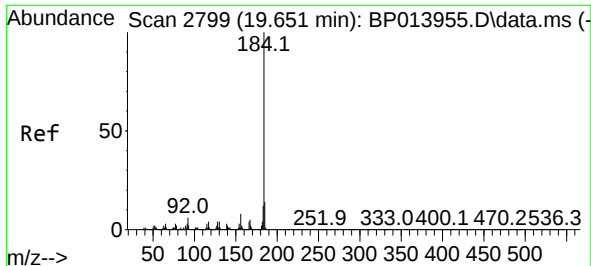


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.545 min Scan# 3121  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17



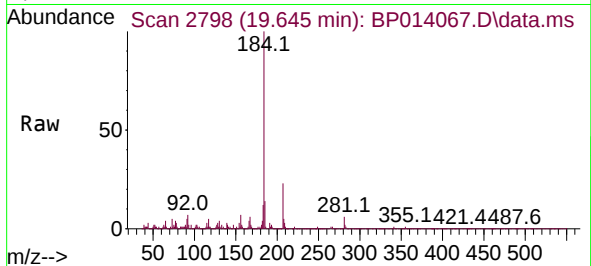
Tgt Ion:240 Resp: 520580  
Ion Ratio Lower Upper  
240 100  
120 9.5 6.4 9.6  
236 26.2 21.2 31.8





#77  
Benzidine  
Concen: 12.161 ng  
RT: 19.645 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

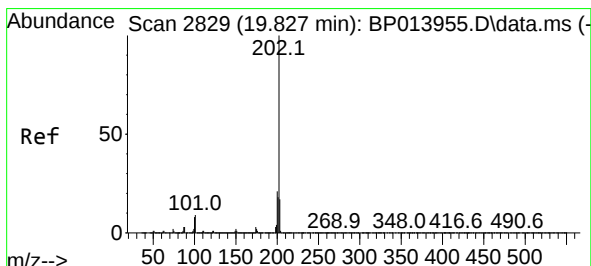
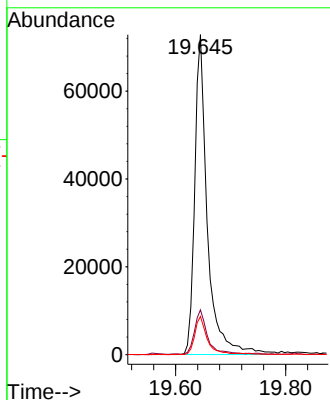
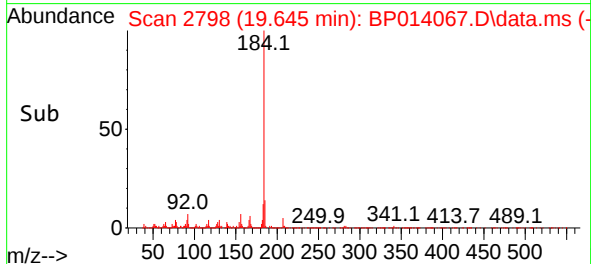
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023



Tgt Ion:184 Resp: 116733  
Ion Ratio Lower Upper  
184 100  
185 14.0 11.6 17.4  
183 11.9 9.7 14.5

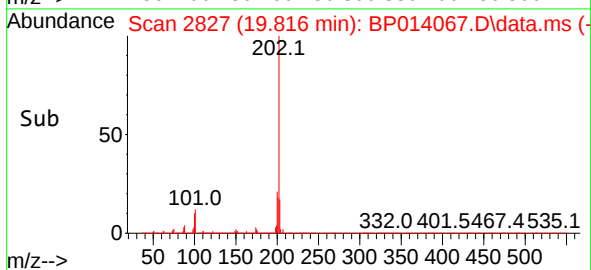
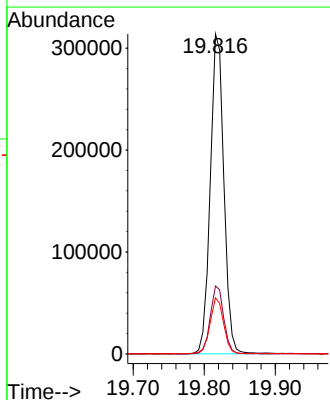
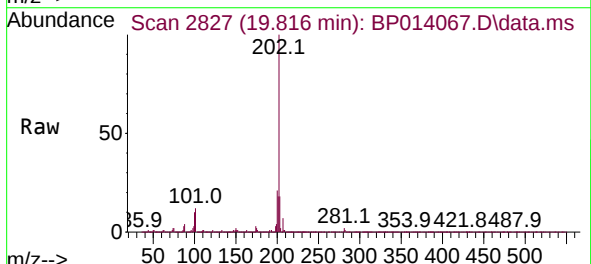
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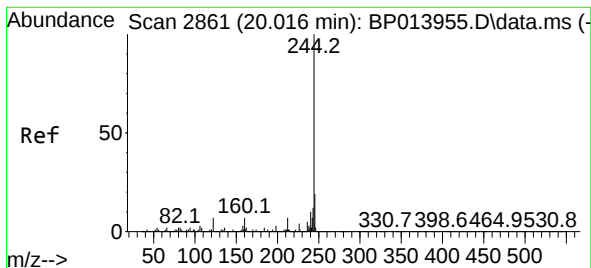
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#78  
Pyrene  
Concen: 10.475 ng  
RT: 19.816 min Scan# 2827  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:202 Resp: 418534  
Ion Ratio Lower Upper  
202 100  
200 21.2 16.9 25.3  
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 64.868 ng

RT: 20.004 min Scan# 2861

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:244 Resp: 2047928

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

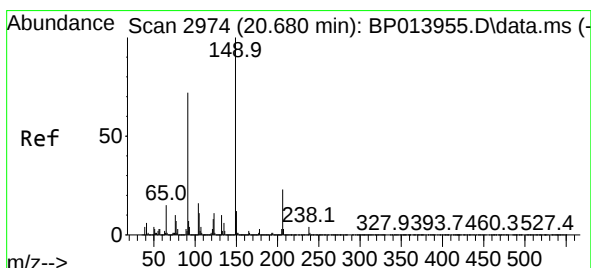
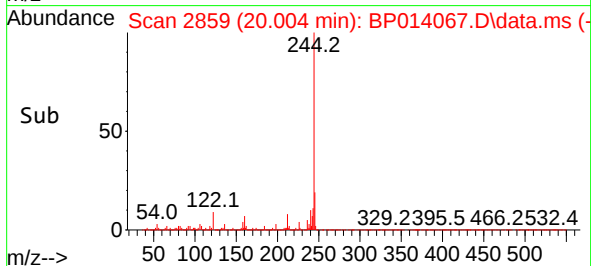
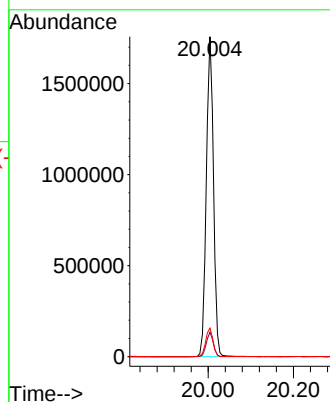
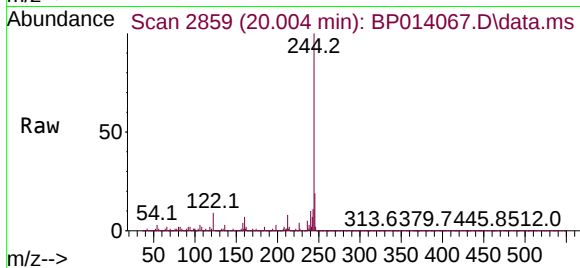
122 8.9 5.8 8.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#80

Butylbenzylphthalate

Concen: 8.836 ng

RT: 20.674 min Scan# 2973

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

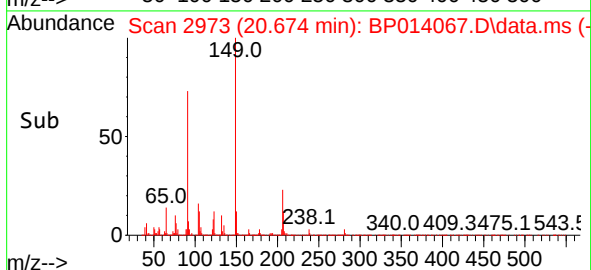
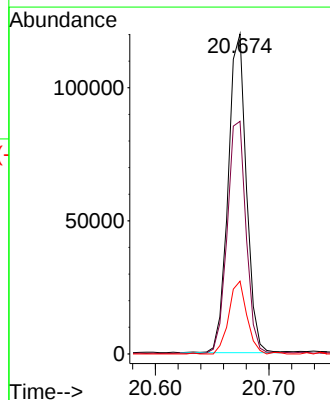
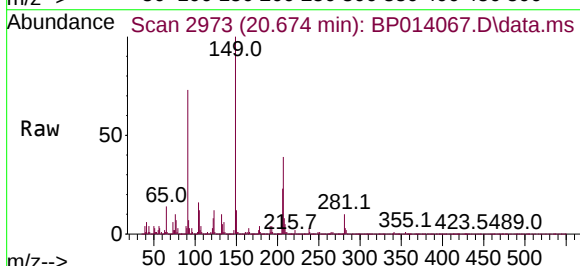
Tgt Ion:149 Resp: 133842

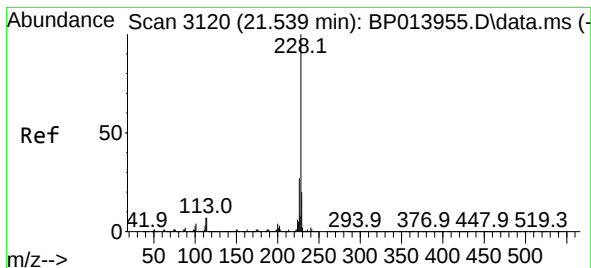
Ion Ratio Lower Upper

149 100

91 72.7 58.0 87.0

206 22.7 18.7 28.1





#81

Benzo(a)anthracene

Concen: 10.526 ng

RT: 21.533 min Scan# 3119

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:228 Resp: 402078

Ion Ratio Lower Upper

228 100

226 25.6 21.8 32.8

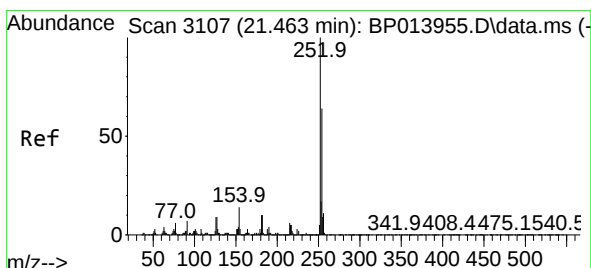
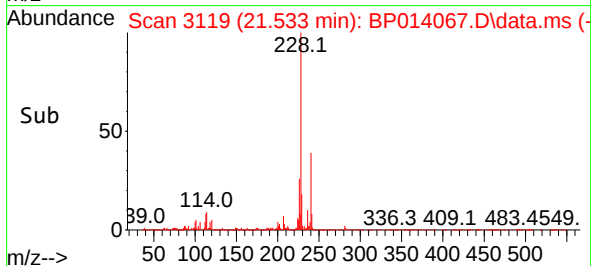
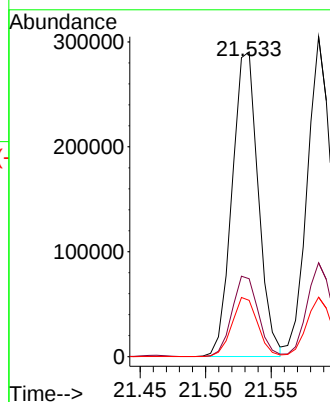
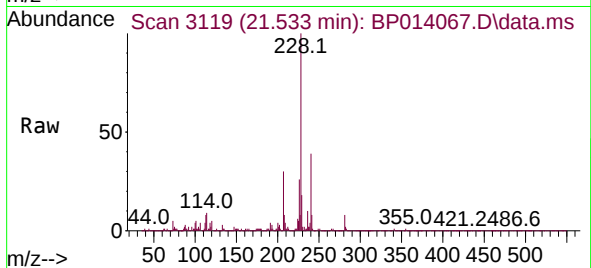
229 18.5 15.8 23.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#82

3,3'-Dichlorobenzidine

Concen: 7.964 ng

RT: 21.457 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

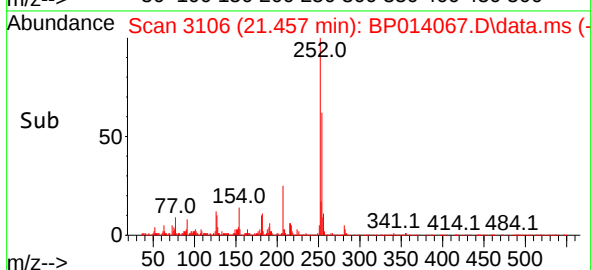
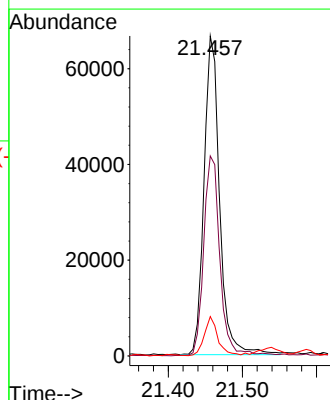
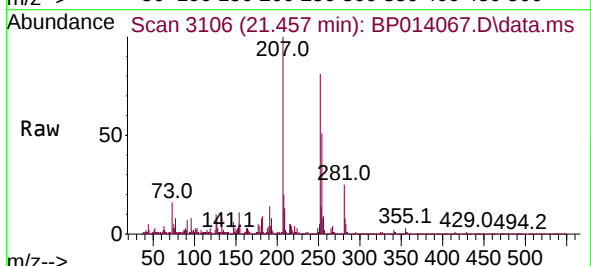
Tgt Ion:252 Resp: 97339

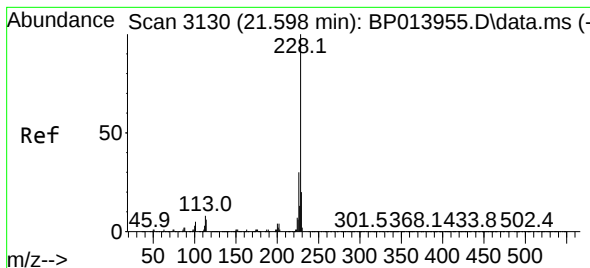
Ion Ratio Lower Upper

252 100

254 62.5 51.0 76.6

126 12.3 7.0 10.6#





#83

Chrysene

Concen: 10.982 ng

RT: 21.586 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

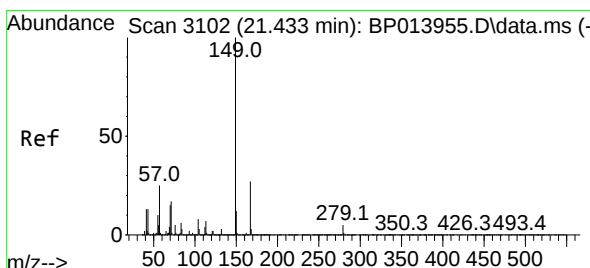
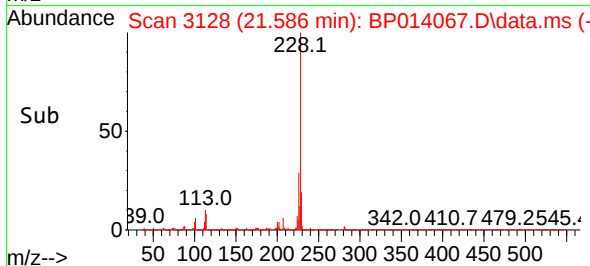
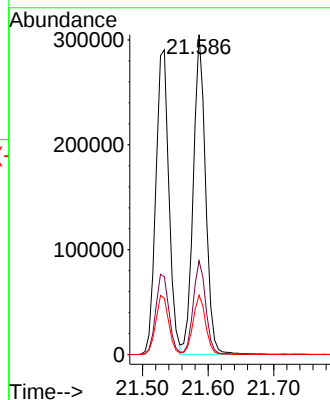
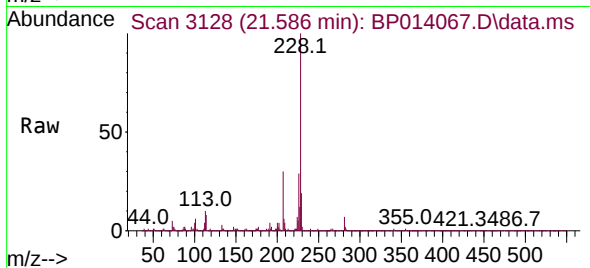
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 39723 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.3  | 24.2  | 36.4  |
| 229       | 18.6  | 15.8  | 23.8  |

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.862 ng

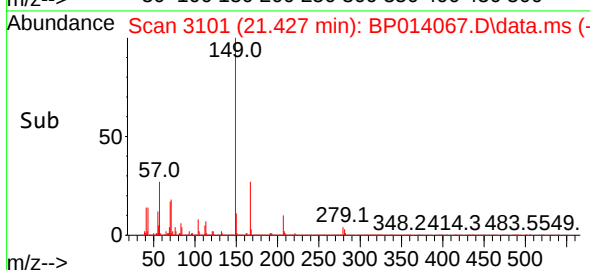
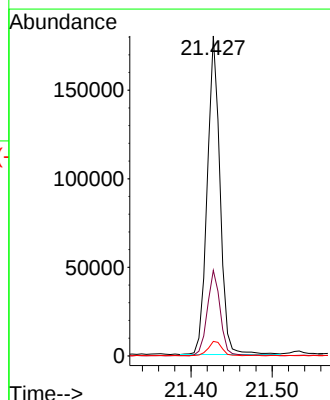
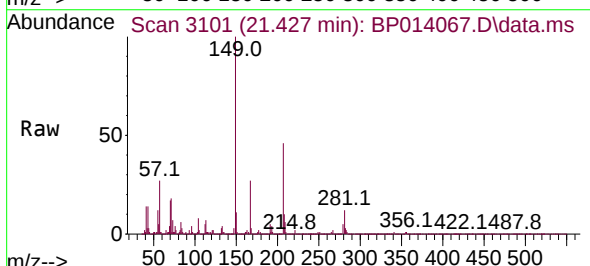
RT: 21.427 min Scan# 3101

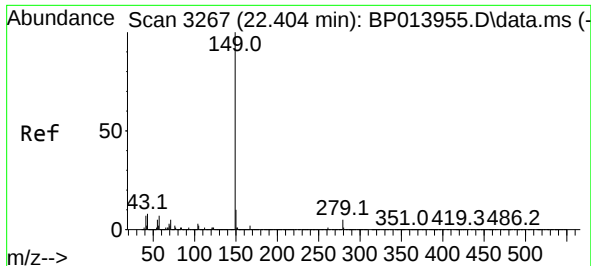
Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 196931 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.7  | 21.8  | 32.6   |
| 279       | 4.5   | 4.0   | 6.0    |





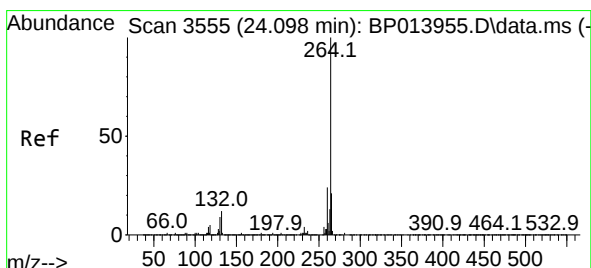
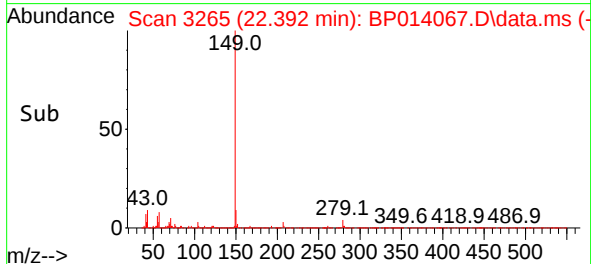
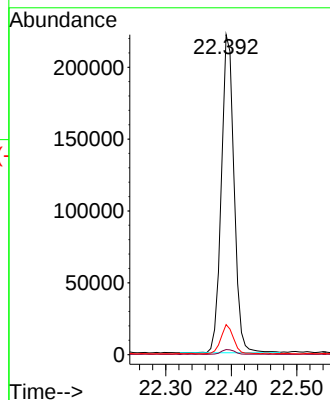
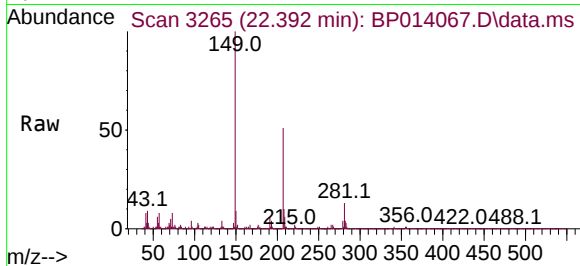
#85  
Di-n-octyl phthalate  
Concen: 8.305 ng  
RT: 22.392 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:149 Resp: 299593  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.0 6.4 9.6

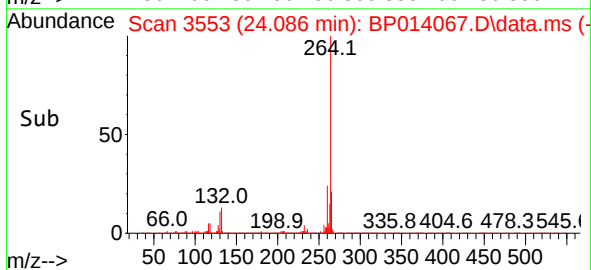
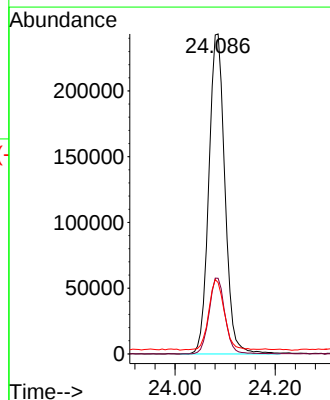
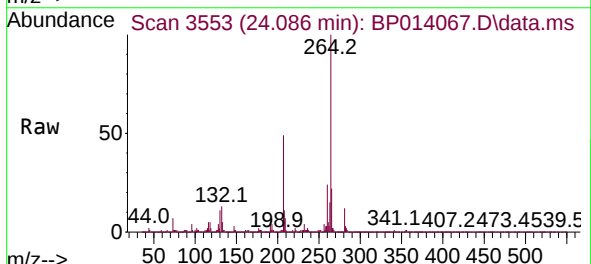
Manual Integrations  
APPROVED

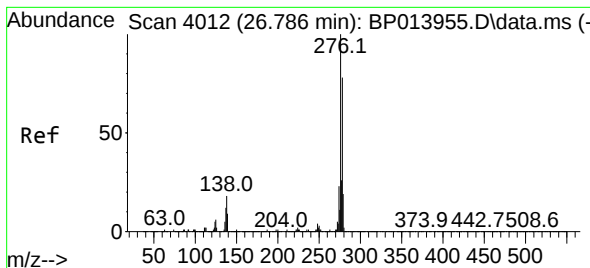
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.086 min Scan# 3553  
Delta R.T. 0.006 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:264 Resp: 540502  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.4 29.2  
265 22.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.306 ng

RT: 26.745 min Scan# 4012

Delta R.T. -0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:276 Resp: 472163

Ion Ratio Lower Upper

276 100

138 20.2 13.8 20.8

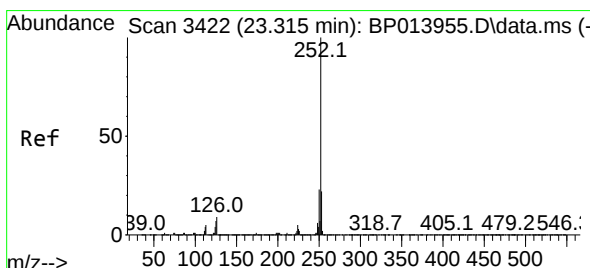
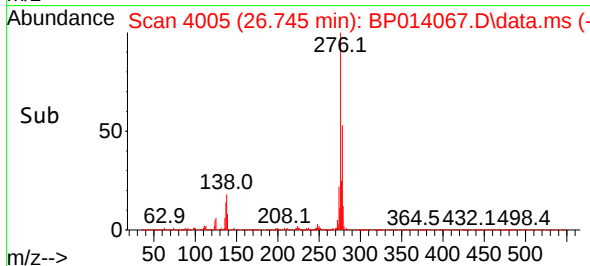
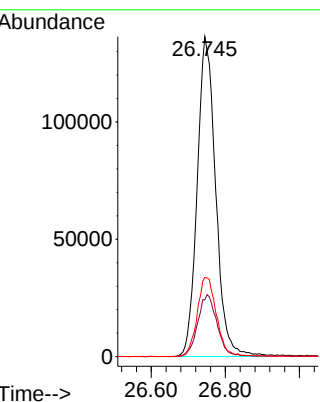
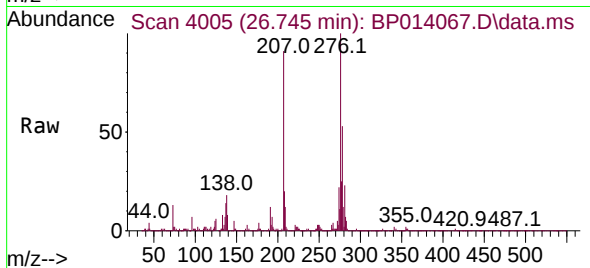
277 25.6 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#88

Benzo(b)fluoranthene

Concen: 10.809 ng

RT: 23.304 min Scan# 3420

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

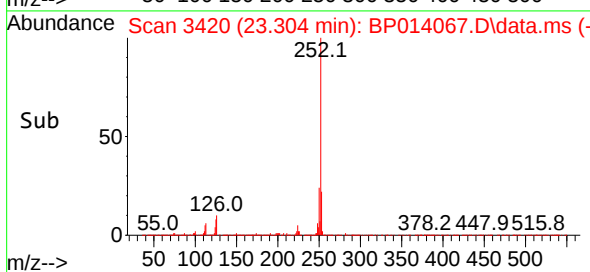
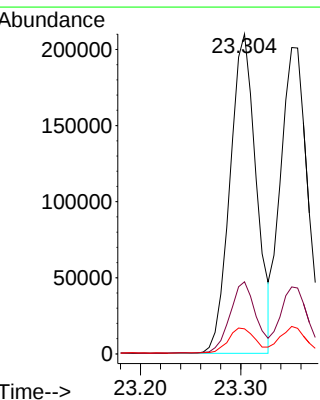
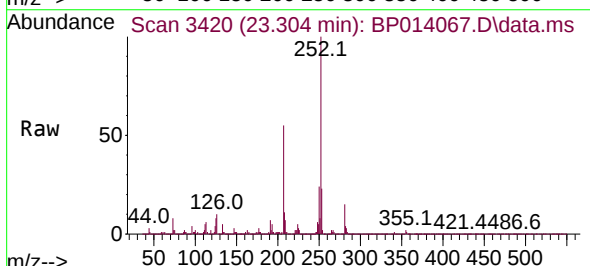
Tgt Ion:252 Resp: 382559

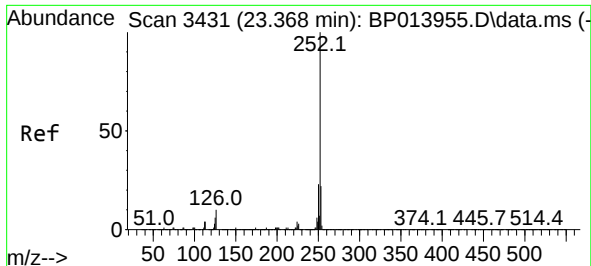
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 7.8 5.6 8.4





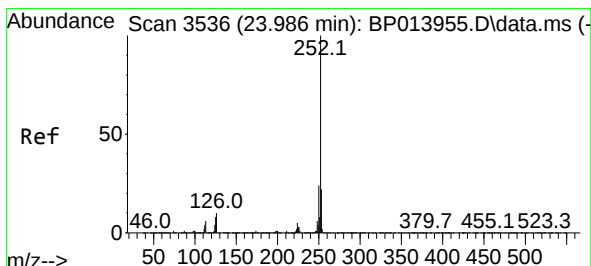
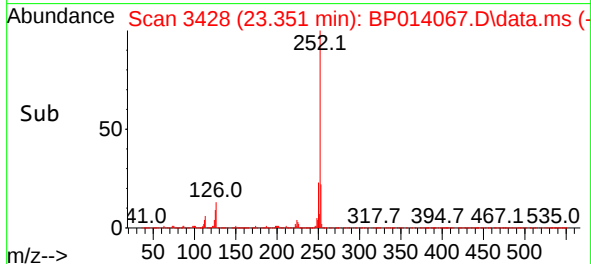
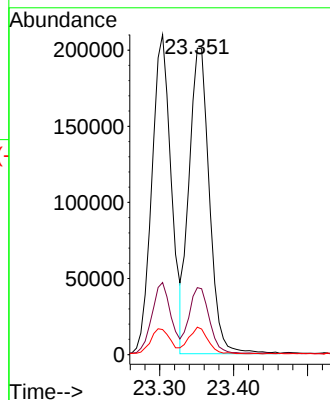
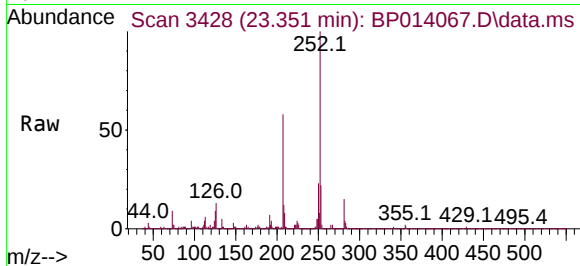
#89  
Benzo(k)fluoranthene  
Concen: 10.928 ng m  
RT: 23.351 min Scan# 3431  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2023

Tgt Ion:252 Resp: 383459  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.0  
125 9.0 5.4 8.0

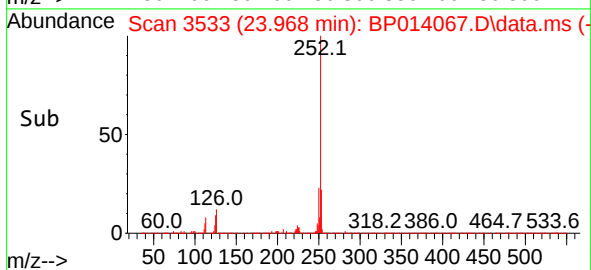
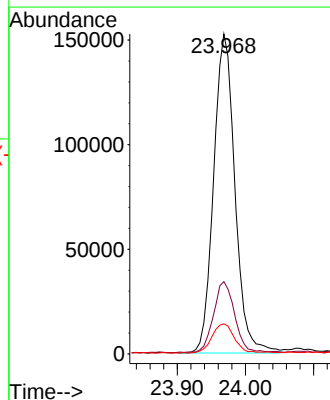
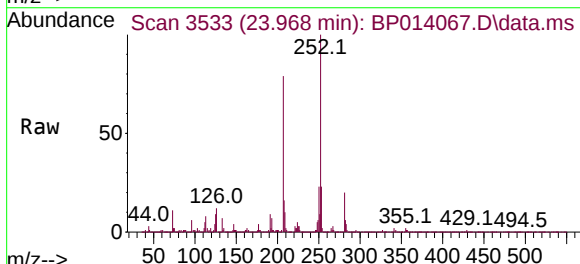
Manual Integrations  
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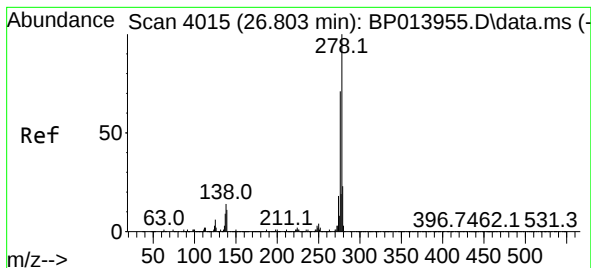
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#90  
Benzo(a)pyrene  
Concen: 9.790 ng  
RT: 23.968 min Scan# 3533  
Delta R.T. 0.000 min  
Lab File: BP014067.D  
Acq: 13 Mar 2023 17:17

Tgt Ion:252 Resp: 330486  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.4 26.2  
125 9.4 6.2 9.4





#91

Dibenzo(a,h)anthracene

Concen: 11.201 ng

RT: 26.768 min Scan# 4015

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

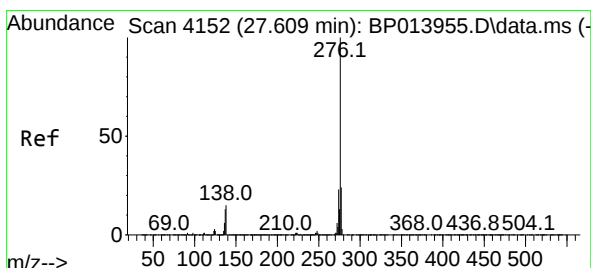
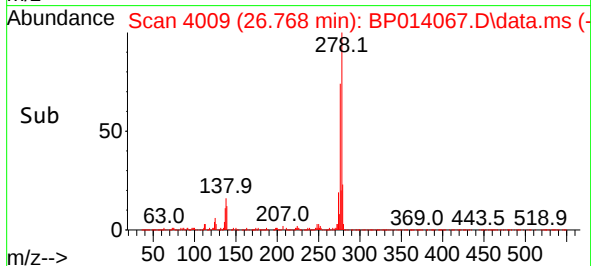
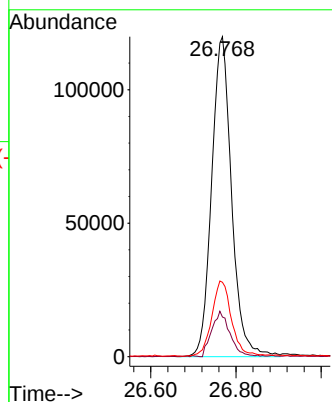
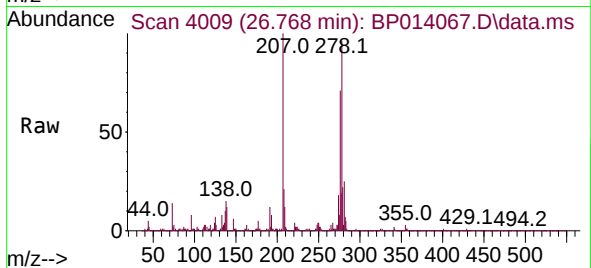
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 388894 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 12.4  | 8.7   | 13.1   |
| 279       | 23.2  | 18.8  | 28.2   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#92

Benzo(g,h,i)perylene

Concen: 11.319 ng

RT: 27.574 min Scan# 4146

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 389473 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.6  | 19.4  | 29.0   |
| 138       | 16.8  | 12.2  | 18.4   |

