

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032322\  
 Data File : BP009504.D  
 Acq On : 23 Mar 2022 13:16  
 Operator : CG/JU  
 Sample : N1645-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 23 13:47:42 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 23 13:46:21 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/24/2022  
 Supervised By : Jagrut Upadhyay 03/24/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 328130   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.581 | 136  | 1202840  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.434 | 164  | 750557   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.198 | 188  | 1616236  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.316 | 240  | 1798398  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.715 | 264  | 1978280  | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 2171588  | 115.547 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.975  | 99   | 2904220  | 114.267 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 8.946  | 82   | 1941570  | 85.777  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.934 | 330  | 1245201  | 100.537 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 4489907  | 82.929  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.780 | 244  | 7467933  | 74.534  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.328  | 88   | 29891    | 4.015   | ng    | 97       |
| 3) Pyridine                   | 3.734  | 79   | 60242    | 3.005   | ng    | # 91     |
| 4) n-Nitrosodimethylamine     | 3.640  | 42   | 28186    | 3.817   | ng    | # 79     |
| 6) Aniline                    | 7.122  | 93   | 113902   | 3.932   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.358  | 128  | 78556    | 3.666   | ng    | 91       |
| 9) Benzaldehyde               | 6.940  | 77   | 70720m   | 5.250   | ng    |          |
| 10) Phenol                    | 7.005  | 94   | 92280    | 3.619   | ng    | 82       |
| 11) bis(2-Chloroethyl)ether   | 7.222  | 93   | 73667    | 3.651   | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.681  | 146  | 88212    | 3.647   | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.822  | 146  | 89331    | 3.612   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.140  | 146  | 86067    | 3.601   | ng    | 99       |
| 15) Benzyl Alcohol            | 8.110  | 79   | 92497m   | 4.565   | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 84349    | 3.856   | ng    | 89       |
| 17) 2-Methylphenol            | 8.252  | 107  | 56689    | 3.226   | ng    | 98       |
| 18) Hexachloroethane          | 8.863  | 117  | 30135    | 3.477   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.599  | 70   | 51072    | 3.177   | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.599  | 107  | 73282    | 3.033   | ng    | # 71     |
| 22) Acetophenone              | 8.616  | 105  | 108611   | 3.648   | ng    | # 94     |
| 24) Nitrobenzene              | 8.987  | 77   | 87078    | 4.072   | ng    | 98       |
| 25) Isophorone                | 9.516  | 82   | 143112   | 3.707   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.716  | 139  | 33671    | 3.021   | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.787  | 122  | 60578    | 3.852   | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.010 | 93   | 87877    | 3.496   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.287 | 162  | 60047    | 3.130   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.451 | 180  | 80278    | 3.612   | ng    | 93       |
| 31) Naphthalene               | 10.634 | 128  | 231566   | 3.737   | ng    | 100      |
| 33) 4-Chloroaniline           | 10.769 | 127  | 87087    | 3.445   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.922 | 225  | 49686    | 3.299   | ng    | 97       |
| 35) Caprolactam               | 11.546 | 113  | 19211    | 2.967   | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 11.910 | 107  | 65047    | 3.155   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 155032   | 3.566   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 150325   | 3.550   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 89665    | 3.601   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.881 | 196  | 48808    | 2.957   | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 12.975 | 196  | 51486    | 2.872   | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.269 | 154  | 217401   | 3.883   | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032322\  
 Data File : BP009504.D  
 Acq On : 23 Mar 2022 13:16  
 Operator : CG/JU  
 Sample : N1645-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 23 13:47:42 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 23 13:46:21 2022  
 Response via : Initial Calibration

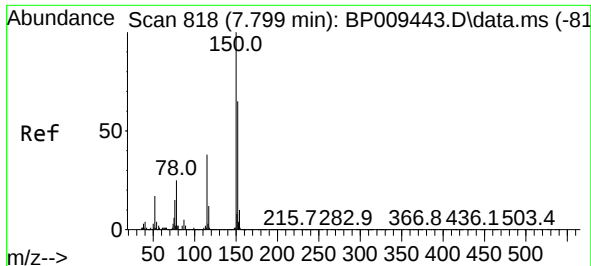
Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/24/2022  
 Supervised By : Jagrut Upadhyay 03/24/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 47) 2-Chloronaphthalene       | 13.304 | 162  | 161596   | 3.666 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.528 | 65   | 36567    | 3.046 | ng    | 96       |
| 49) Acenaphthylene            | 14.157 | 152  | 259318   | 3.811 | ng    | 99       |
| 50) Dimethylphthalate         | 13.898 | 163  | 195913   | 3.445 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.016 | 165  | 38180    | 3.204 | ng    | 97       |
| 52) Acenaphthene              | 14.498 | 154  | 150634   | 3.706 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.357 | 138  | 38438    | 3.054 | ng    | # 96     |
| 55) Dibenzofuran              | 14.839 | 168  | 249920   | 3.659 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 45318    | 2.766 | ng    | # 88     |
| 58) Fluorene                  | 15.486 | 166  | 194976   | 3.630 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 47670    | 2.934 | ng    | 95       |
| 60) Diethylphthalate          | 15.263 | 149  | 199506   | 3.505 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 101608   | 3.434 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.539 | 138  | 35159m   | 2.660 | ng    |          |
| 63) Azobenzene                | 15.781 | 77   | 169326   | 3.420 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.704 | 169  | 170999   | 3.575 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.386 | 248  | 63134    | 3.192 | ng    | 94       |
| 68) Hexachlorobenzene         | 16.504 | 284  | 76033    | 3.340 | ng    | 97       |
| 69) Atrazine                  | 16.669 | 200  | 59113    | 3.515 | ng    | 97       |
| 71) Phenanthrene              | 17.239 | 178  | 323535   | 3.740 | ng    | 99       |
| 72) Anthracene                | 17.333 | 178  | 316823   | 3.709 | ng    | 99       |
| 73) Carbazole                 | 17.622 | 167  | 293927   | 3.518 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.169 | 149  | 339435   | 3.467 | ng    | 99       |
| 75) Fluoranthene              | 19.227 | 202  | 396403   | 3.785 | ng    | 98       |
| 77) Benzidine                 | 19.422 | 184  | 200991   | 4.560 | ng    | 97       |
| 78) Pyrene                    | 19.580 | 202  | 414002   | 3.493 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.457 | 149  | 168805   | 3.351 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.298 | 228  | 440319   | 3.727 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.239 | 252  | 169899   | 3.722 | ng    | 98       |
| 83) Chrysene                  | 21.351 | 228  | 409260   | 3.658 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.233 | 149  | 269948   | 3.845 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.157 | 149  | 466060   | 3.851 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.227 | 276  | 533479   | 3.554 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 22.986 | 252  | 447668   | 3.791 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.033 | 252  | 452396   | 3.912 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.610 | 252  | 446943   | 4.423 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.239 | 278  | 468895   | 3.749 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 26.992 | 276  | 462663   | 3.760 | ng    | 97       |

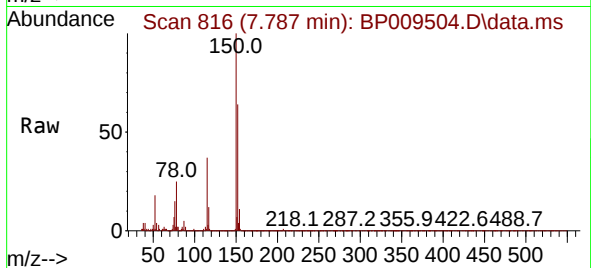
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.787 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

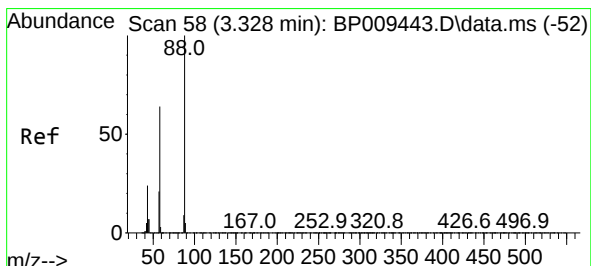
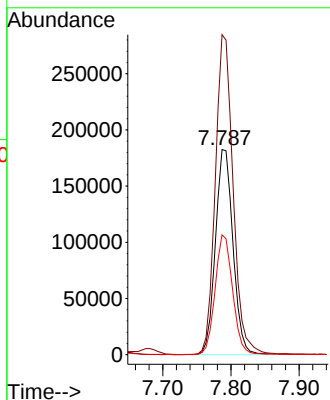
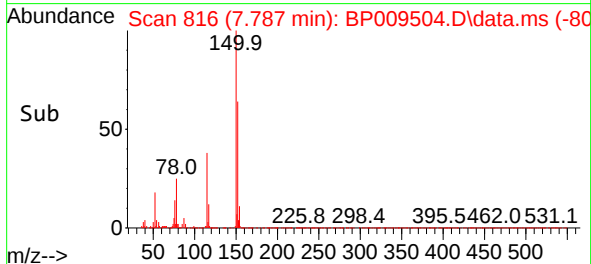
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion:152 Resp: 328130  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.5 186.7  
115 58.4 48.2 72.4

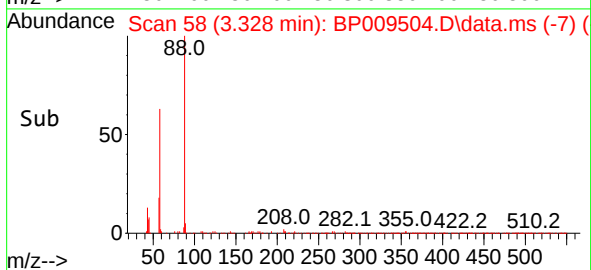
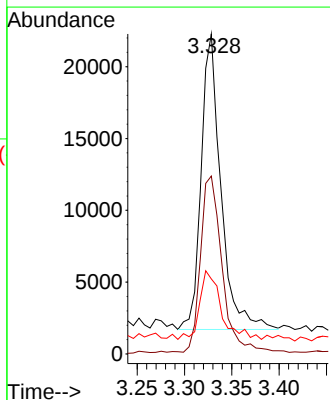
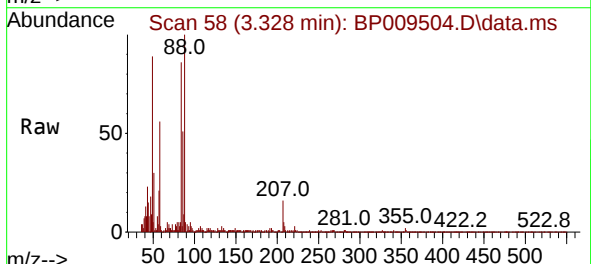
Manual Integrations  
APPROVED

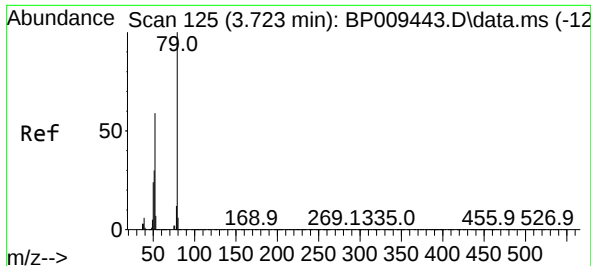
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#2  
1,4-Dioxane  
Concen: 4.015 ng  
RT: 3.328 min Scan# 58  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

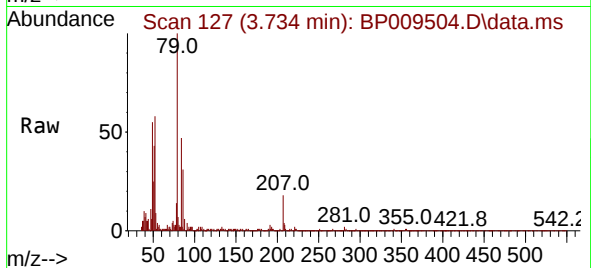
Tgt Ion: 88 Resp: 29891  
Ion Ratio Lower Upper  
88 100  
58 64.8 54.2 81.2  
43 25.0 20.4 30.6





#3  
Pyridine  
Concen: 3.005 ng  
RT: 3.734 min Scan# 110  
Delta R.T. 0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

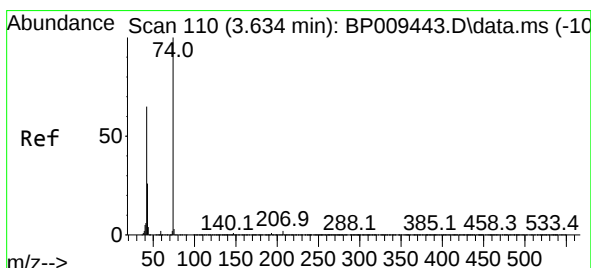
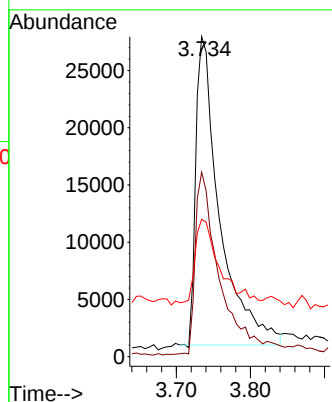
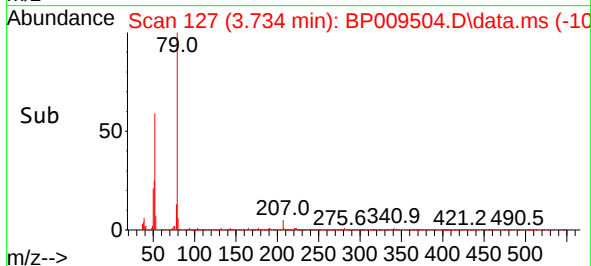
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



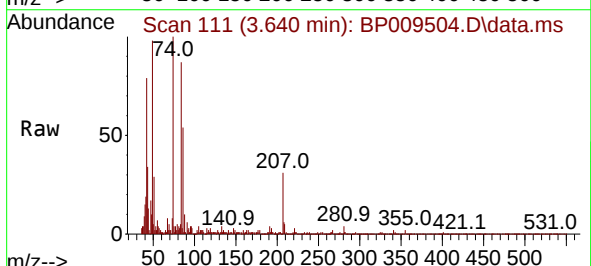
Tgt Ion: 79 Resp: 6024  
Ion Ratio Lower Upper  
79 100  
52 57.6 47.5 71.3  
51 42.9 24.1 36.1

Manual Integrations  
APPROVED

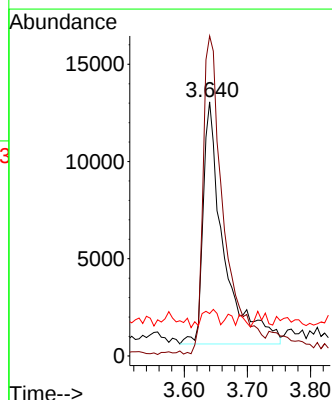
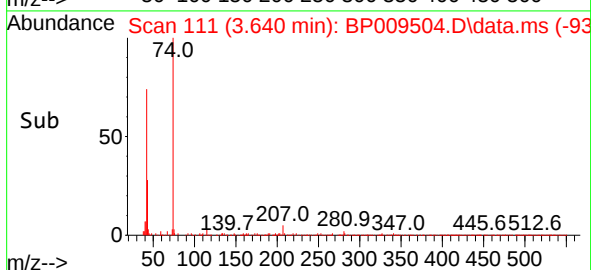
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

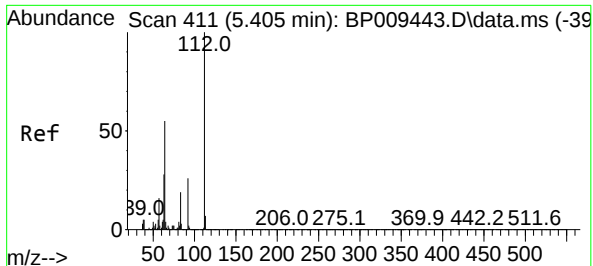


#4  
n-Nitrosodimethylamine  
Concen: 3.817 ng  
RT: 3.640 min Scan# 111  
Delta R.T. 0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



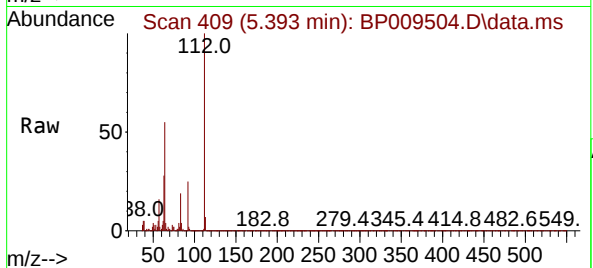
Tgt Ion: 42 Resp: 28186  
Ion Ratio Lower Upper  
42 100  
74 125.9 122.1 183.1  
44 16.7 5.8 8.8





#5  
2-Fluorophenol  
Concen: 115.547 ng  
RT: 5.393 min Scan# 409  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

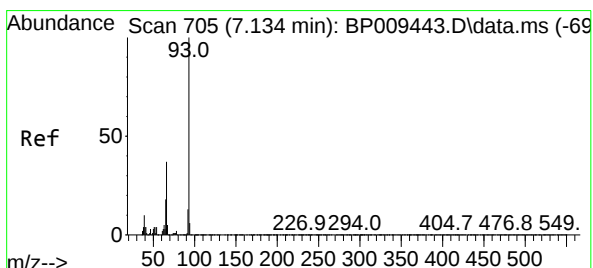
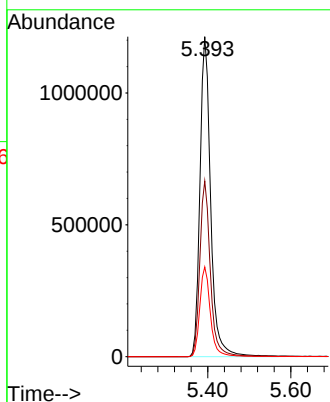
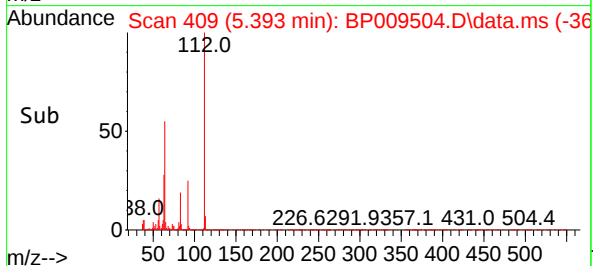
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



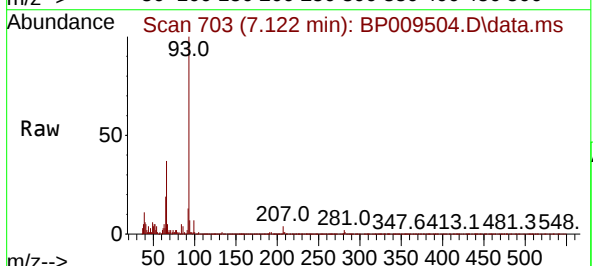
Tgt Ion: 112 Resp: 2171588  
Ion Ratio Lower Upper  
112 100  
64 54.9 45.0 67.4  
63 28.1 23.0 34.6

Manual Integrations  
APPROVED

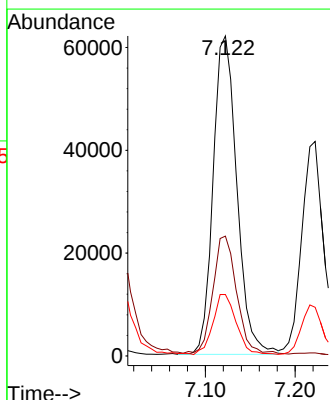
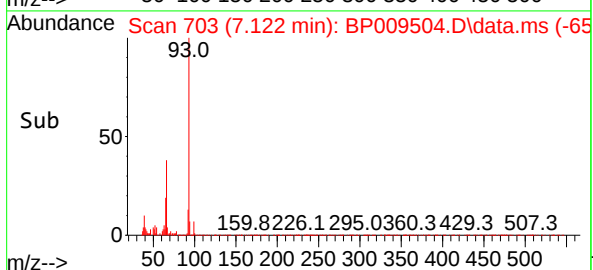
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

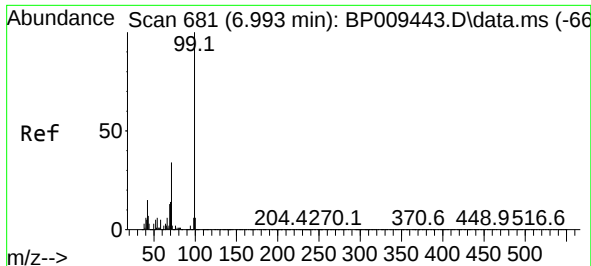


#6  
Aniline  
Concen: 3.932 ng  
RT: 7.122 min Scan# 703  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



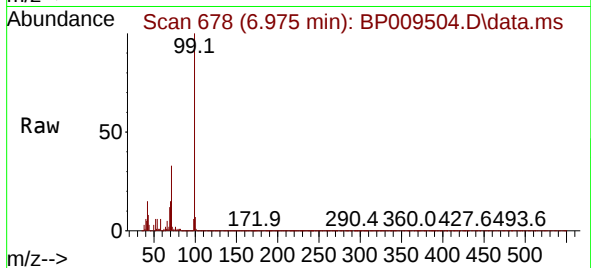
Tgt Ion: 93 Resp: 113902  
Ion Ratio Lower Upper  
93 100  
66 37.5 30.9 46.3  
65 19.2 15.8 23.8





#7  
Phenol-d6  
Concen: 114.267 ng  
RT: 6.975 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

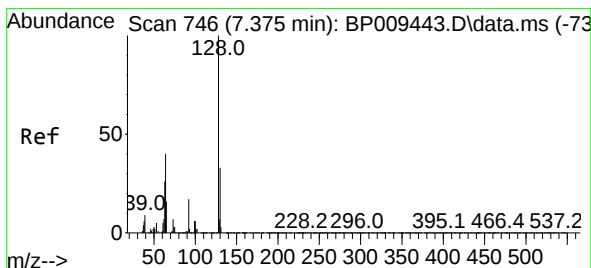
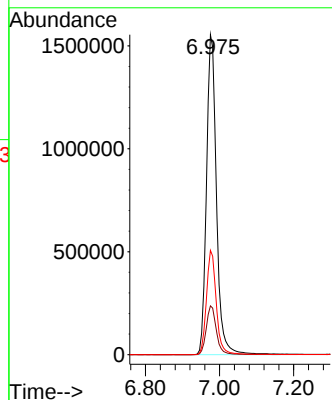
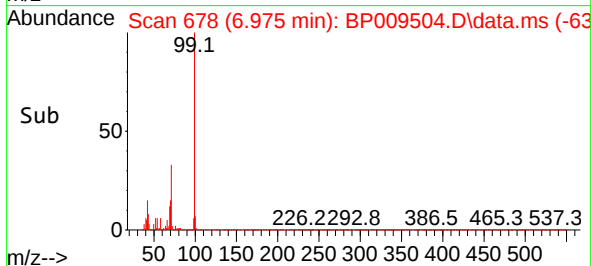
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion: 99 Resp: 2904220  
Ion Ratio Lower Upper  
99 100  
42 15.3 12.8 19.2  
71 32.6 26.3 39.5

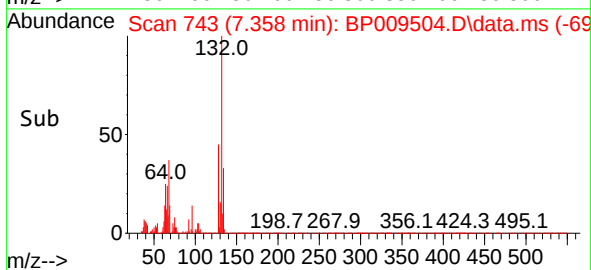
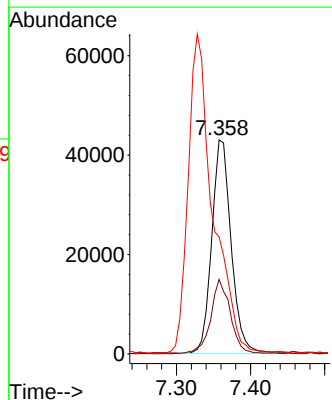
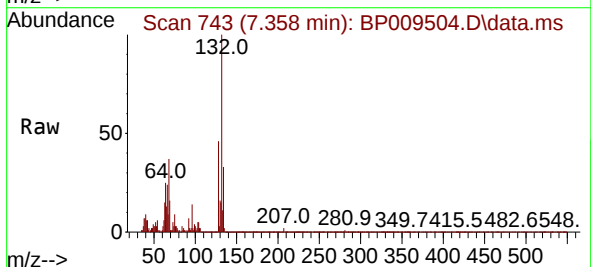
Manual Integrations  
APPROVED

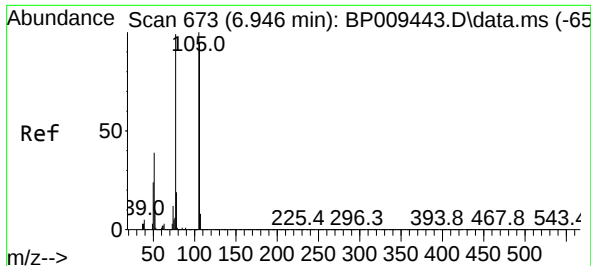
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#8  
2-Chlorophenol  
Concen: 3.666 ng  
RT: 7.358 min Scan# 743  
Delta R.T. -0.018 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion:128 Resp: 78556  
Ion Ratio Lower Upper  
128 100  
130 34.8 12.5 52.5  
64 54.7 26.2 66.2





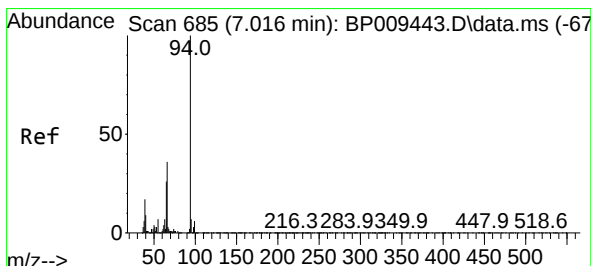
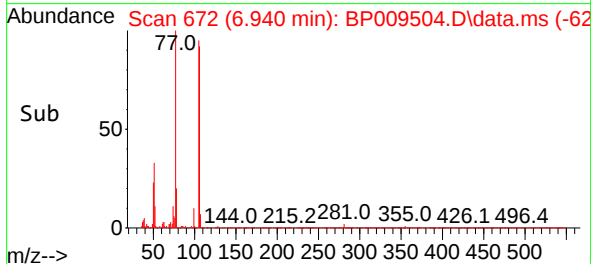
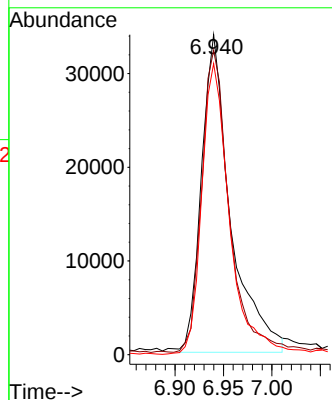
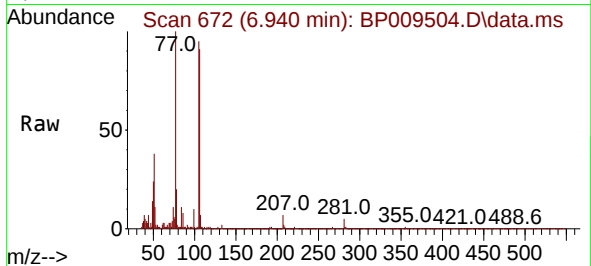
#9  
Benzaldehyde  
Concen: 5.250 ng m  
RT: 6.940 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion: 77 Resp: 70720  
Ion Ratio Lower Upper  
77 100  
105 95.1 75.2 115.2  
106 90.9 72.3 112.3

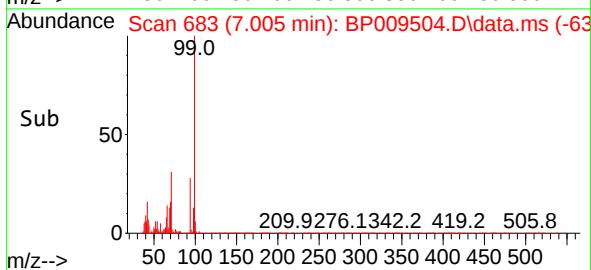
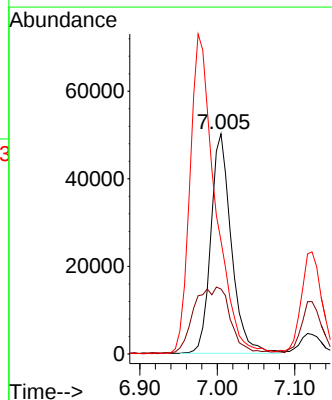
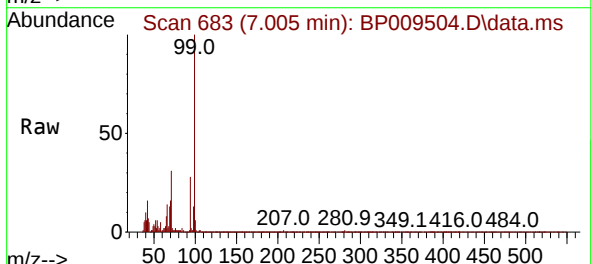
Manual Integrations  
APPROVED

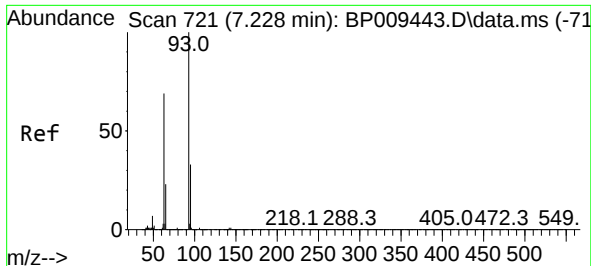
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#10  
Phenol  
Concen: 3.619 ng  
RT: 7.005 min Scan# 683  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

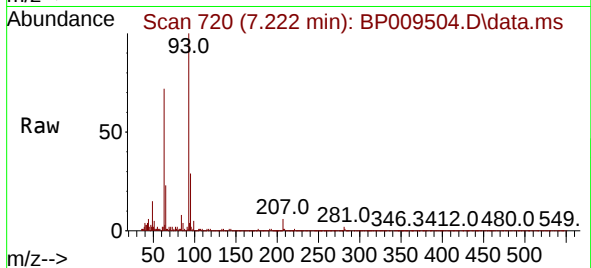
Tgt Ion: 94 Resp: 92280  
Ion Ratio Lower Upper  
94 100  
65 29.5 7.2 47.2  
66 51.3 14.3 54.3





#11  
bis(2-Chloroethyl)ether  
Concen: 3.651 ng  
RT: 7.222 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

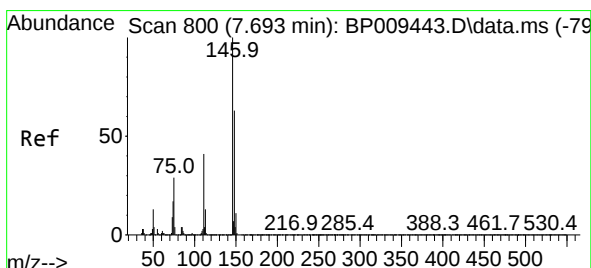
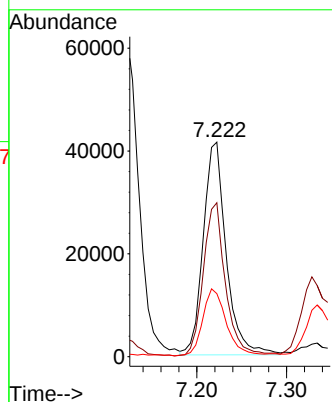
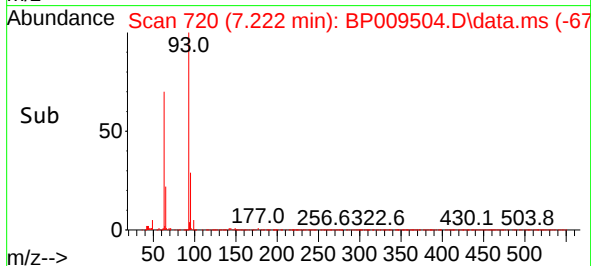
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



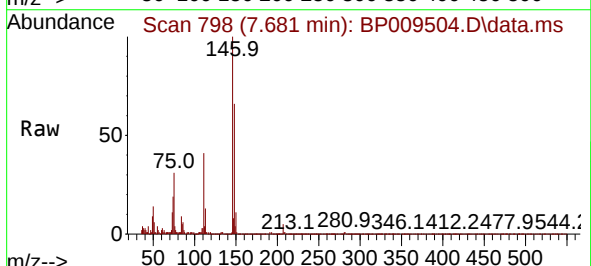
Tgt Ion: 93 Resp: 7366  
Ion Ratio Lower Upper  
93 100  
63 71.7 53.5 93.5  
95 29.4 12.0 52.0

Manual Integrations  
APPROVED

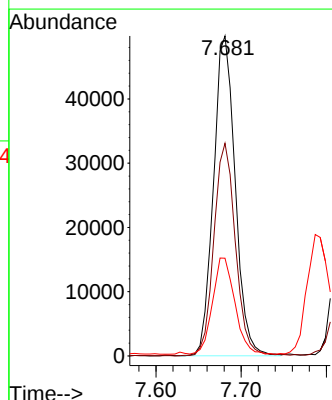
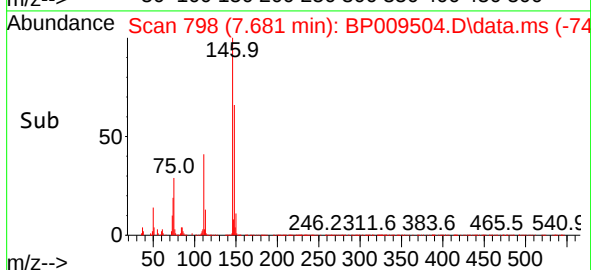
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

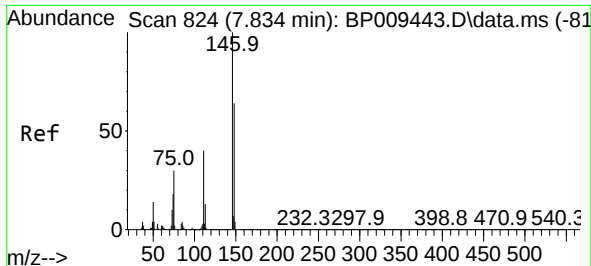


#12  
1,3-Dichlorobenzene  
Concen: 3.647 ng  
RT: 7.681 min Scan# 798  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



Tgt Ion:146 Resp: 88212  
Ion Ratio Lower Upper  
146 100  
148 66.4 51.4 77.0  
75 30.6 25.3 37.9





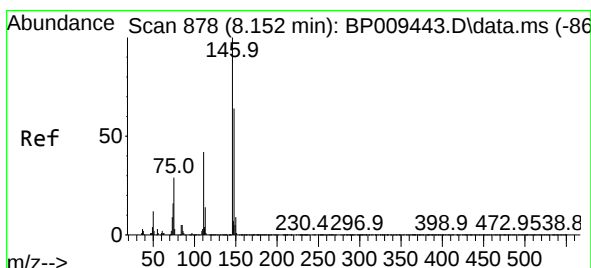
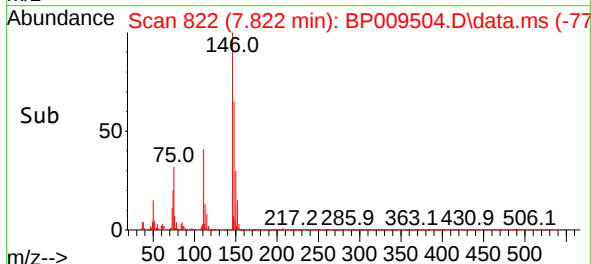
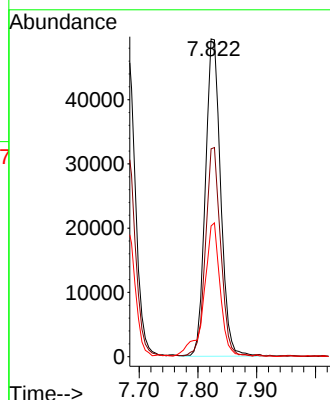
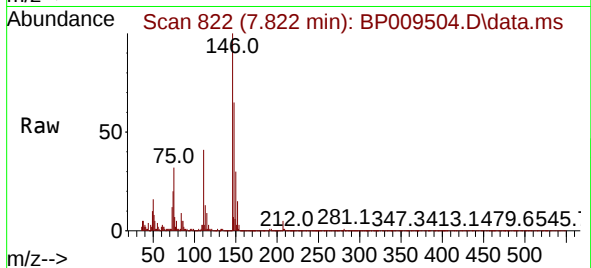
#13  
1,4-Dichlorobenzene  
Concen: 3.612 ng  
RT: 7.822 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion:146 Resp: 8933  
Ion Ratio Lower Upper  
146 100  
148 65.4 51.1 76.7  
111 41.1 32.1 48.1

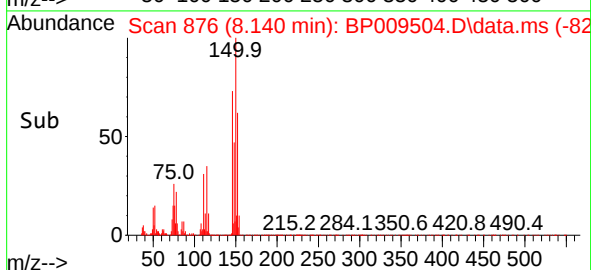
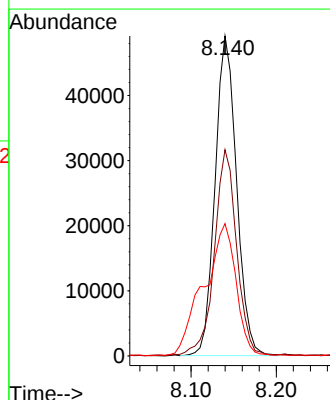
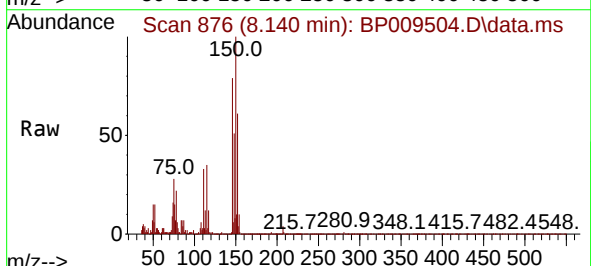
Manual Integrations  
APPROVED

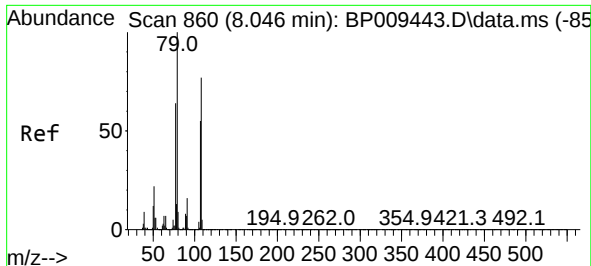
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#14  
1,2-Dichlorobenzene  
Concen: 3.601 ng  
RT: 8.140 min Scan# 876  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion:146 Resp: 86067  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.9 76.3  
111 41.3 34.1 51.1





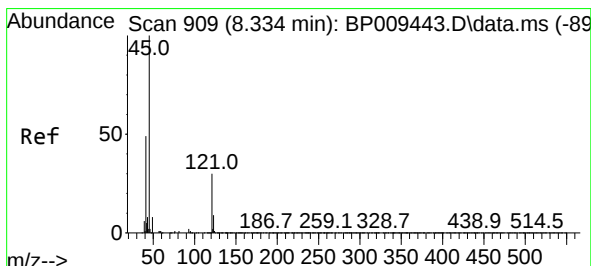
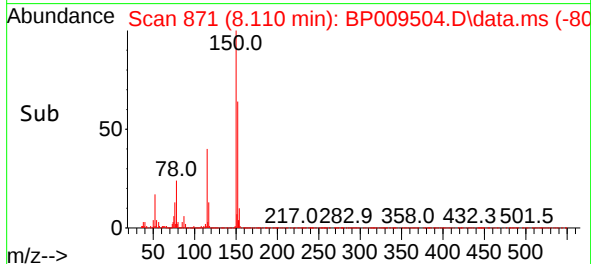
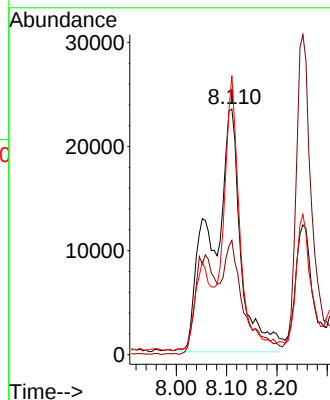
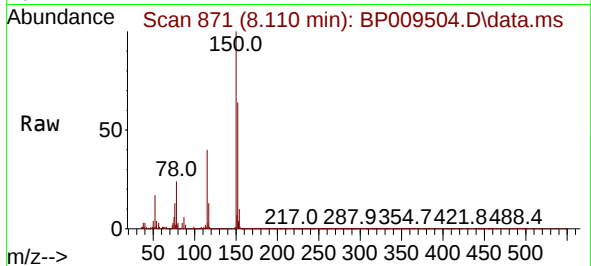
#15  
Benzyl Alcohol  
Concen: 4.565 ng m  
RT: 8.110 min Scan# 81  
Delta R.T. 0.065 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion: 79 Resp: 9249  
Ion Ratio Lower Upper  
79 100  
108 46.5 62.5 93.7  
77 113.7 51.7 77.5

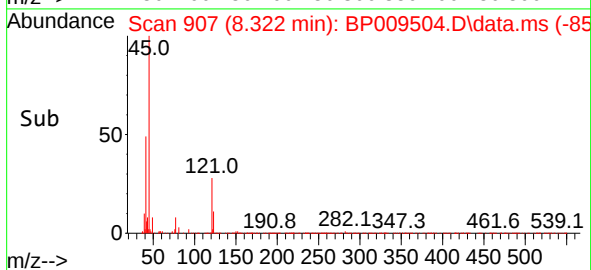
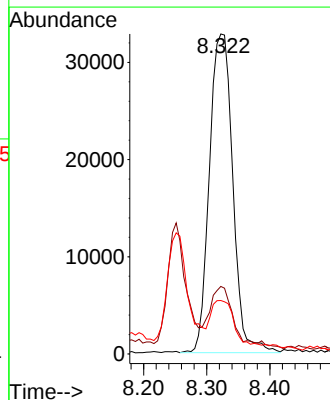
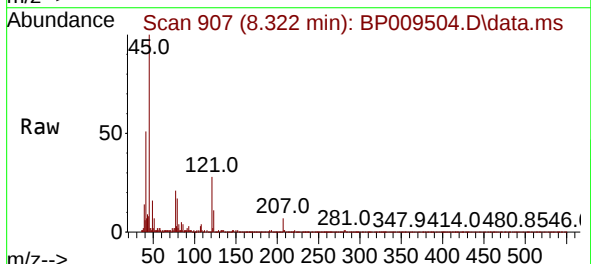
Manual Integrations  
APPROVED

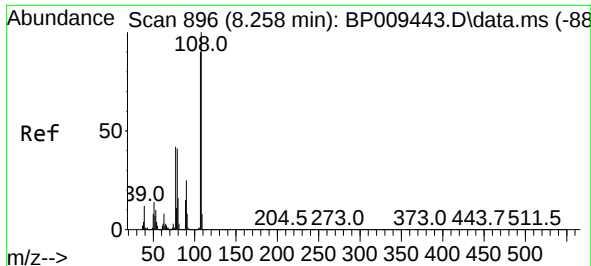
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.856 ng  
RT: 8.322 min Scan# 907  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

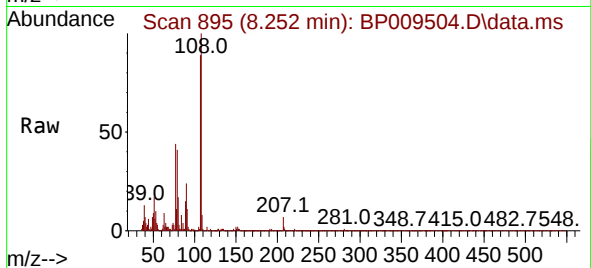
Tgt Ion: 45 Resp: 84349  
Ion Ratio Lower Upper  
45 100  
77 21.1 0.0 36.5  
79 16.7 0.0 32.4





#17  
2-Methylphenol  
Concen: 3.226 ng  
RT: 8.252 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

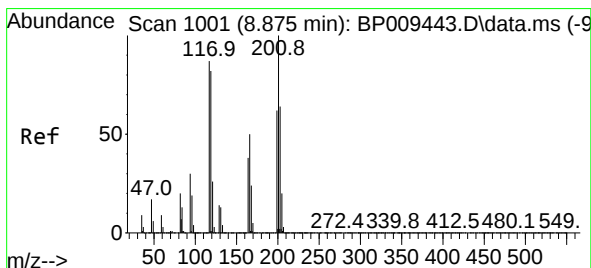
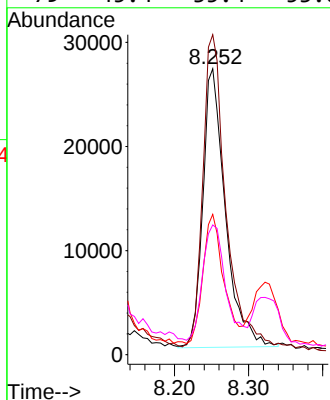
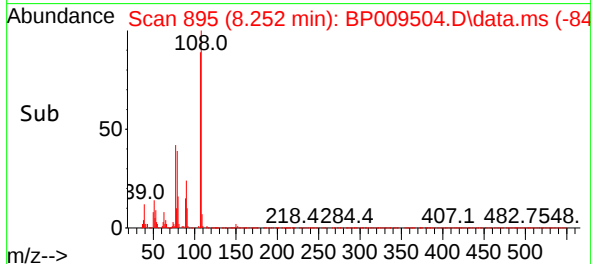
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



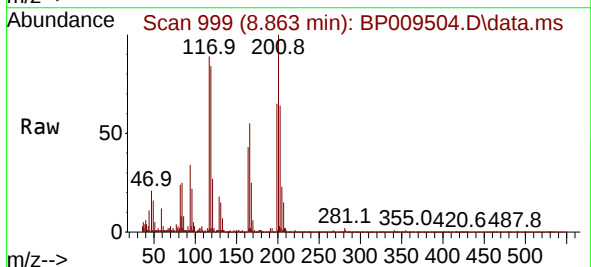
Tgt Ion:107 Resp: 56689  
Ion Ratio Lower Upper  
107 100  
108 111.9 90.2 135.2  
77 49.1 36.3 54.5  
79 45.4 35.4 53.0

Manual Integrations  
APPROVED

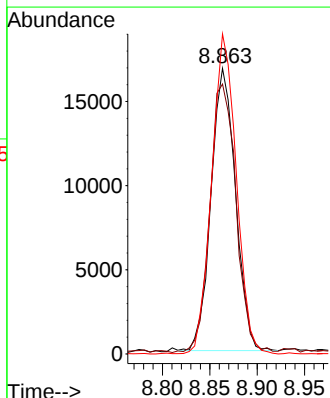
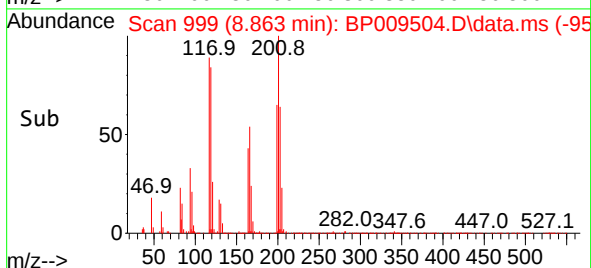
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

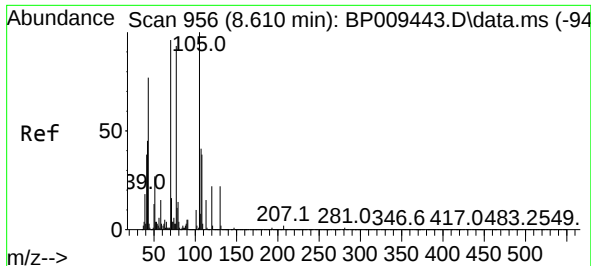


#18  
Hexachloroethane  
Concen: 3.477 ng  
RT: 8.863 min Scan# 999  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



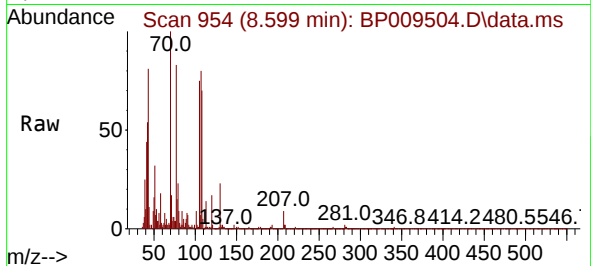
Tgt Ion:117 Resp: 30135  
Ion Ratio Lower Upper  
117 100  
119 94.5 76.4 114.6  
201 112.0 83.4 125.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 3.177 ng  
RT: 8.599 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

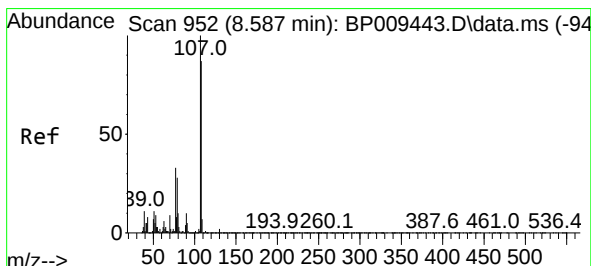
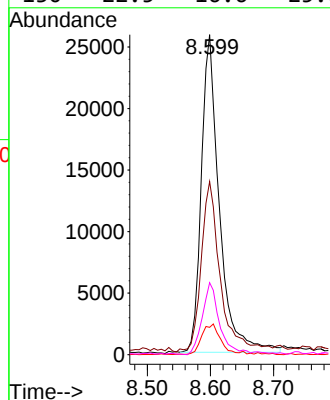
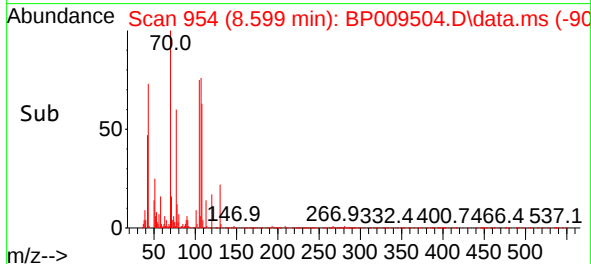
Instrument : BNA\_P  
Client Sample Id : MDL-SOIL-03-QT1-2022



Tgt Ion: 70 Resp: 51072  
Ion Ratio Lower Upper  
70 100  
42 54.1 41.0 61.4  
101 8.5 7.9 11.9  
130 22.5 16.6 25.0

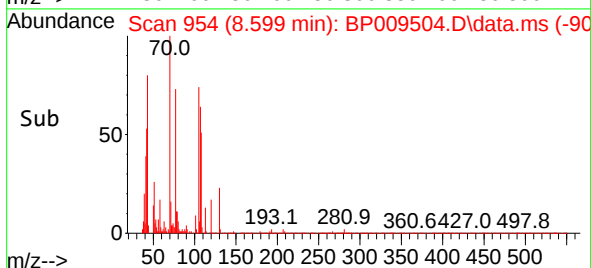
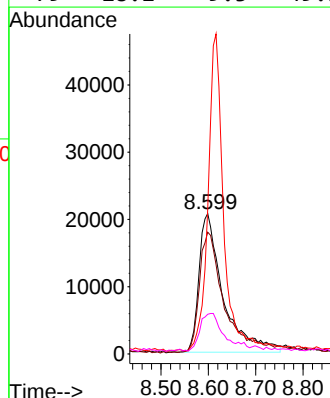
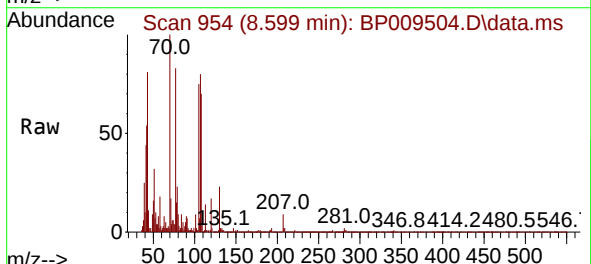
Manual Integrations  
APPROVED

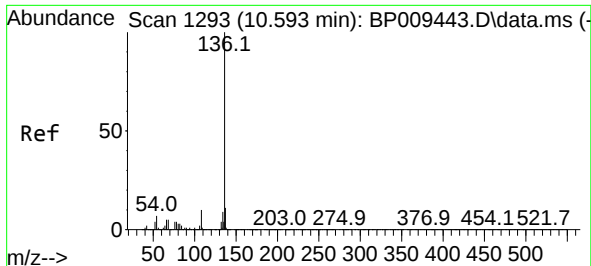
Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022



#20  
3+4-Methylphenols  
Concen: 3.033 ng  
RT: 8.599 min Scan# 954  
Delta R.T. 0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

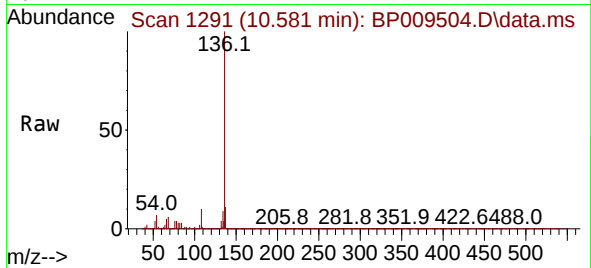
Tgt Ion: 107 Resp: 73282  
Ion Ratio Lower Upper  
107 100  
108 86.6 69.4 109.4  
77 103.1 13.6 53.6#  
79 28.2 9.3 49.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.581 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

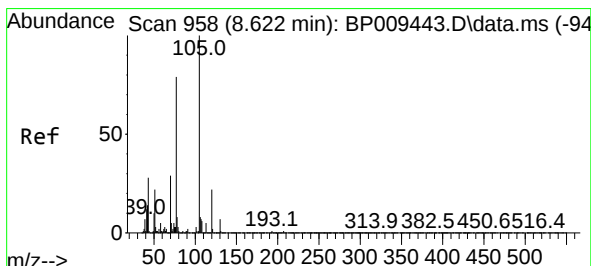
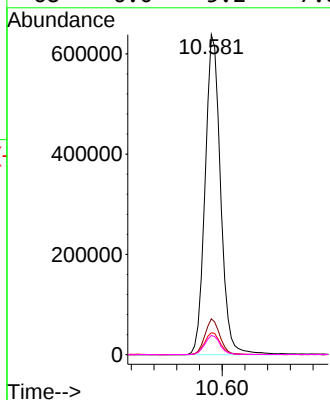
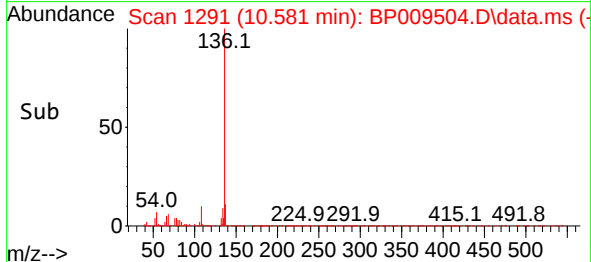
Instrument : BNA\_P  
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:136 Resp: 1202840  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 12.8  
54 6.9 5.8 8.8  
68 6.0 5.2 7.8

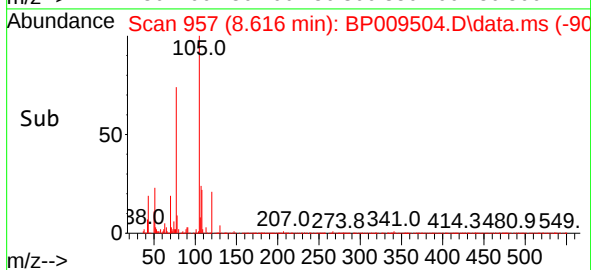
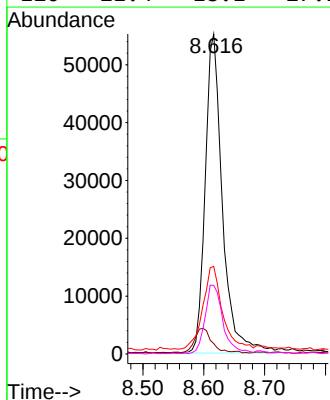
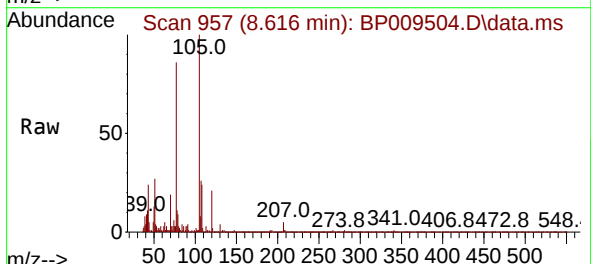
Manual Integrations  
APPROVED

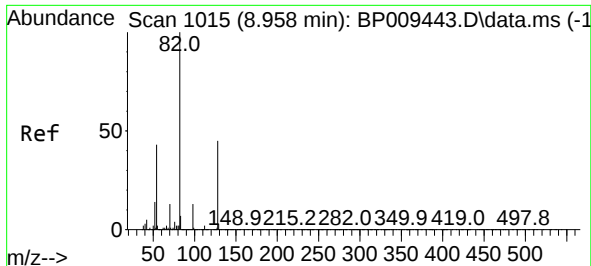
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#22  
Acetophenone  
Concen: 3.648 ng  
RT: 8.616 min Scan# 957  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion:105 Resp: 108611  
Ion Ratio Lower Upper  
105 100  
71 3.3 5.5 8.3#  
51 27.3 18.9 28.3  
120 21.4 18.1 27.1





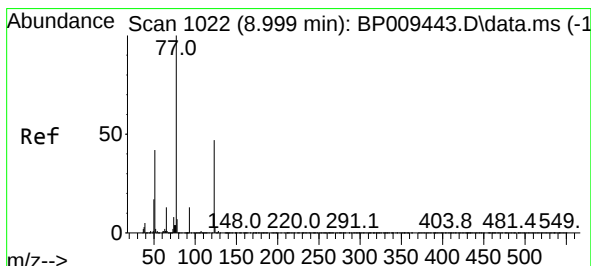
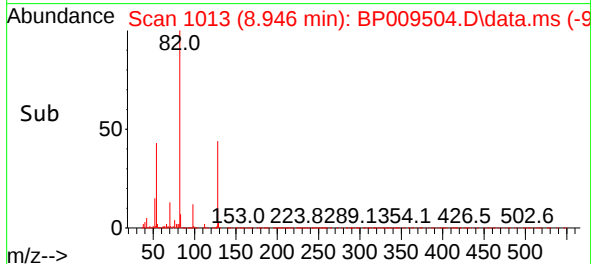
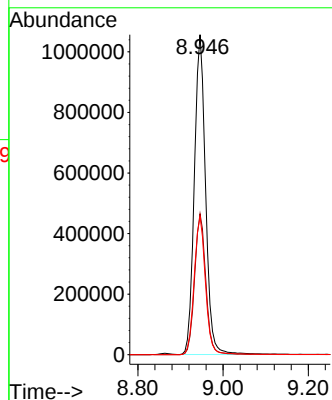
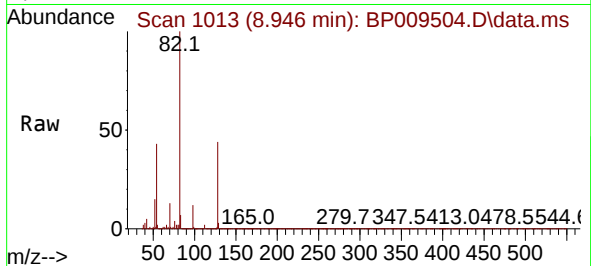
#23  
Nitrobenzene-d5  
Concen: 85.777 ng  
RT: 8.946 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion: 82 Resp: 1941570  
Ion Ratio Lower Upper  
82 100  
128 44.0 34.2 51.4  
54 43.2 34.7 52.1

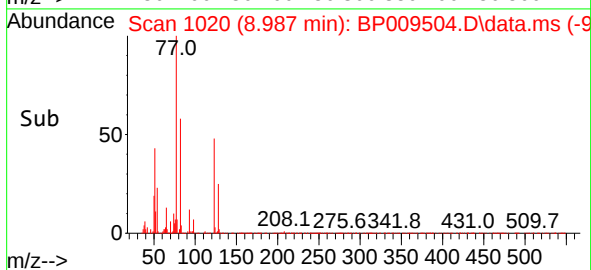
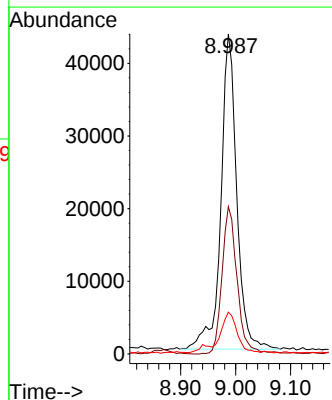
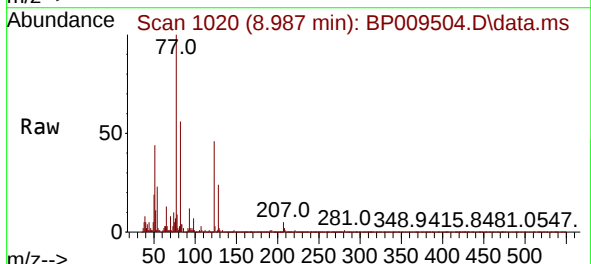
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#24  
Nitrobenzene  
Concen: 4.072 ng  
RT: 8.987 min Scan# 1020  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion: 77 Resp: 87078  
Ion Ratio Lower Upper  
77 100  
123 46.1 35.5 53.3  
65 13.0 10.3 15.5





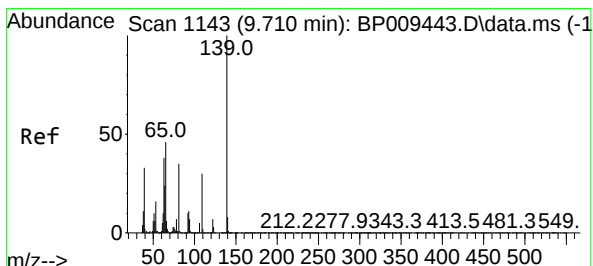
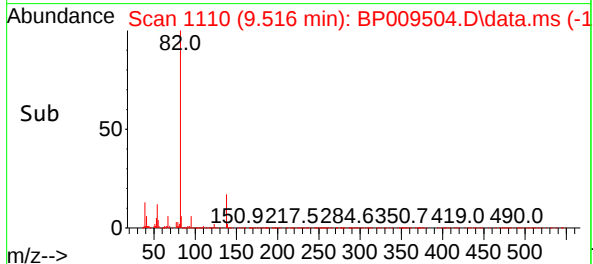
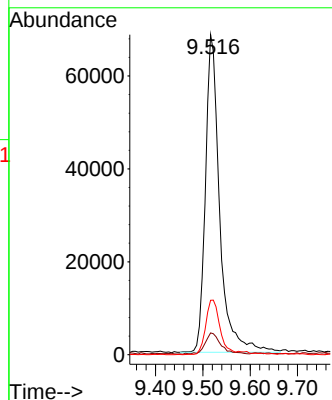
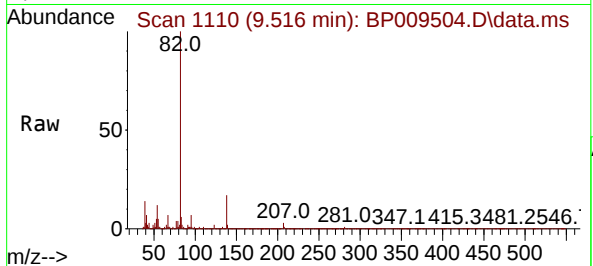
#25  
Isophorone  
Concen: 3.707 ng  
RT: 9.516 min Scan# 1112  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion: 82 Resp: 14311  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.5 8.3  
138 17.0 13.8 20.8

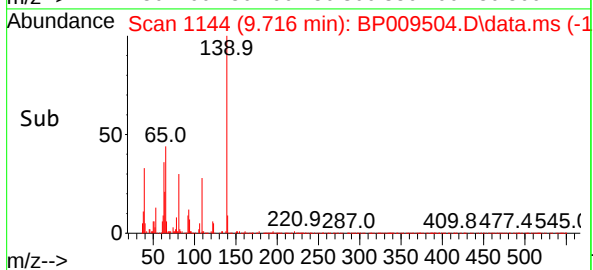
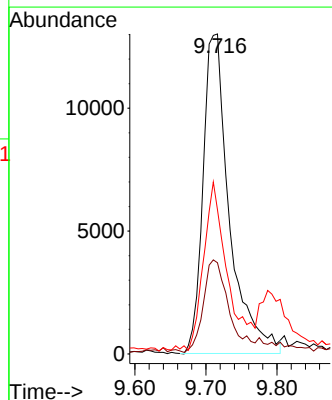
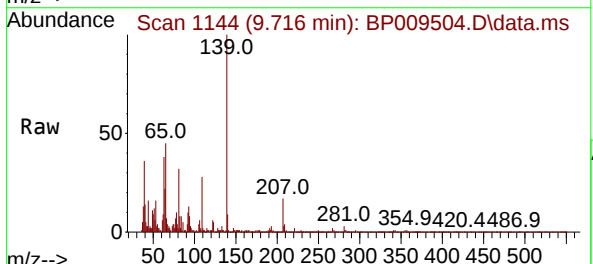
Manual Integrations  
APPROVED

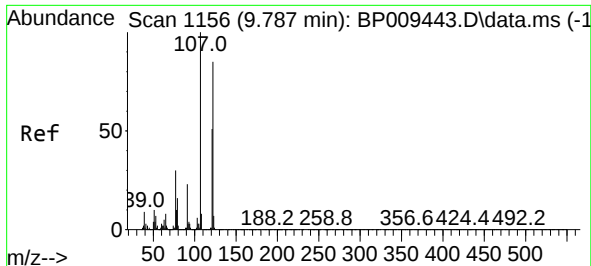
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#26  
2-Nitrophenol  
Concen: 3.021 ng  
RT: 9.716 min Scan# 1144  
Delta R.T. 0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion:139 Resp: 33671  
Ion Ratio Lower Upper  
139 100  
109 28.5 23.4 35.0  
65 45.1 41.0 61.6





#27

2,4-Dimethylphenol

Concen: 3.852 ng

RT: 9.787 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

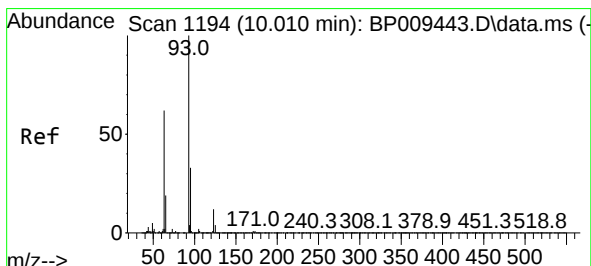
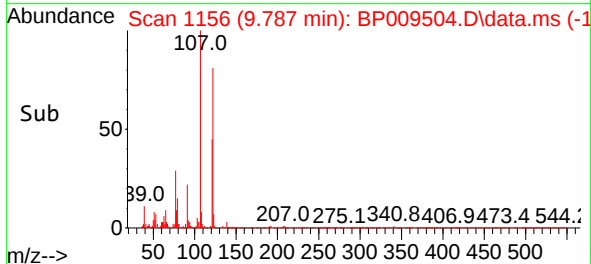
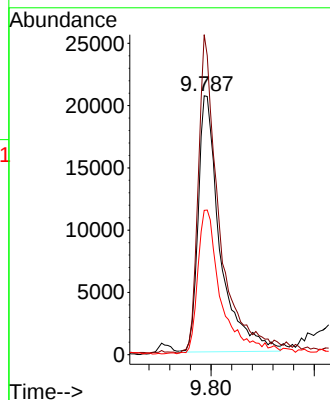
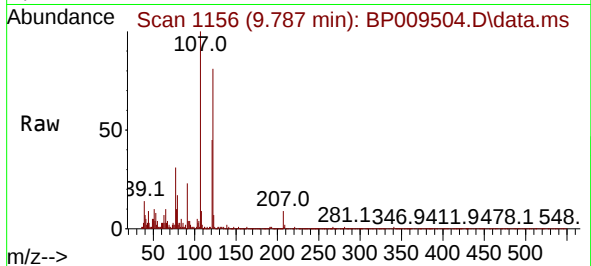
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 60578 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 123.6 | 92.6  | 138.8 |
| 121      | 55.8  | 46.7  | 70.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.496 ng

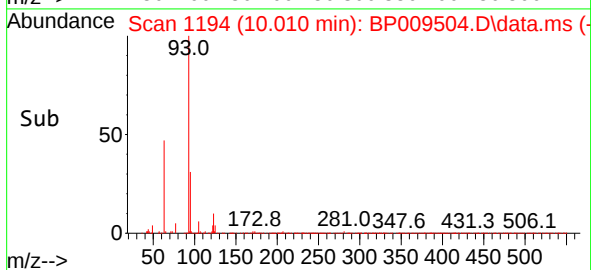
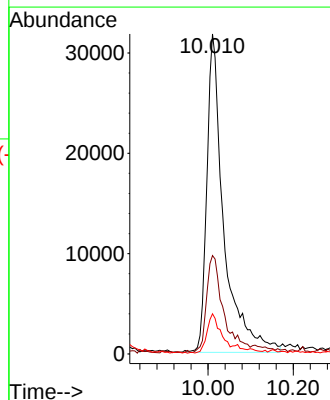
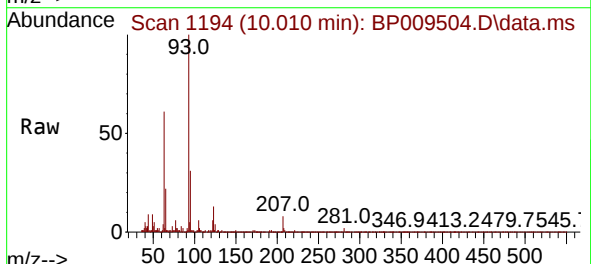
RT: 10.010 min Scan# 1194

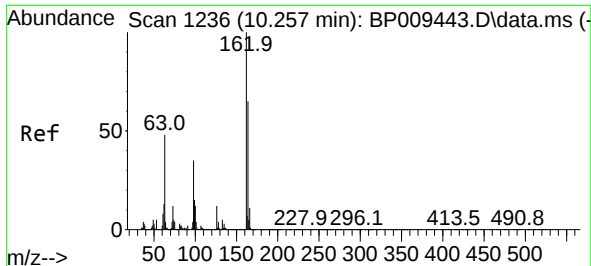
Delta R.T. -0.000 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 87877 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 30.8  | 25.5  | 38.3  |
| 123      | 12.5  | 8.9   | 13.3  |





#29

2,4-Dichlorophenol

Concen: 3.130 ng

RT: 10.287 min Scan# 1241

Delta R.T. 0.029 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

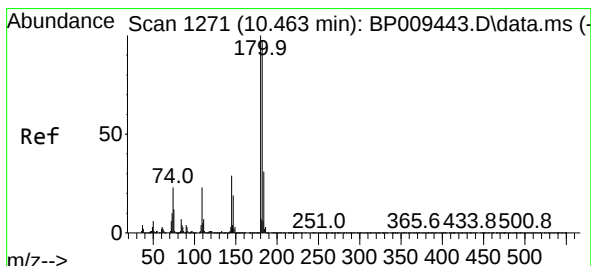
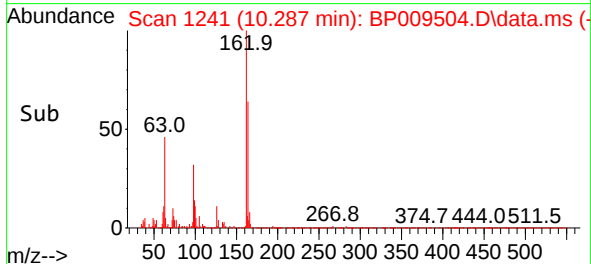
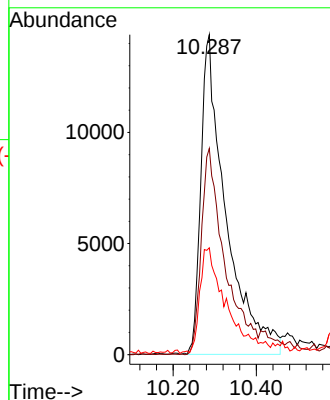
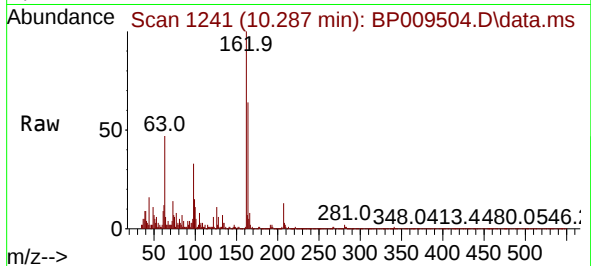
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 162   | Resp: | 6004 |
| Ion Ratio | Lower | Upper |      |
| 162       | 100   |       |      |
| 164       | 64.5  | 44.3  | 84.3 |
| 98        | 33.4  | 15.6  | 55.6 |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.612 ng

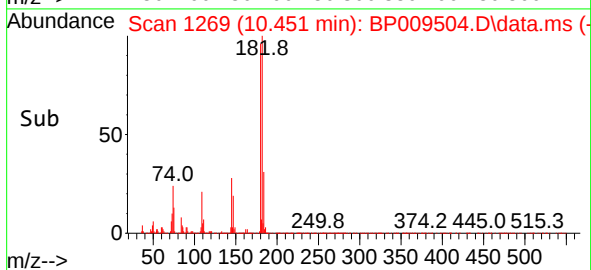
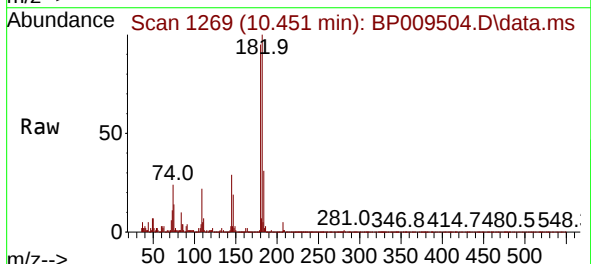
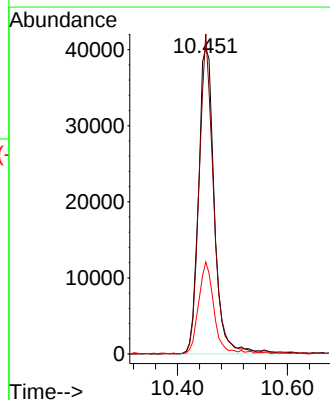
RT: 10.451 min Scan# 1269

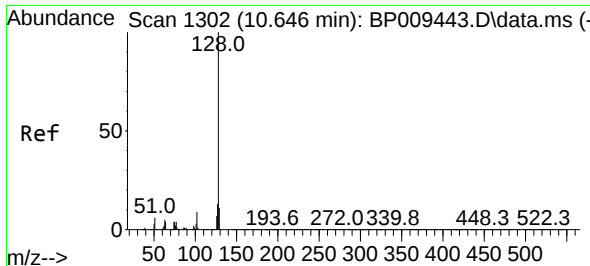
Delta R.T. -0.012 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

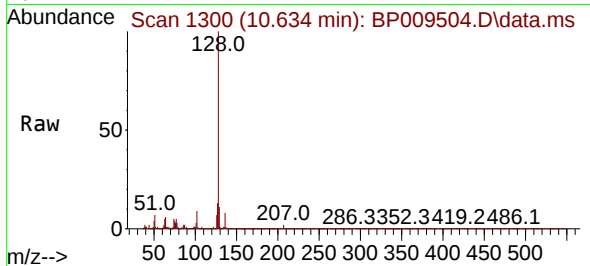
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 80278 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 104.7 | 76.4  | 114.6 |
| 145       | 30.1  | 23.8  | 35.6  |





#31  
Naphthalene  
Concen: 3.737 ng  
RT: 10.634 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

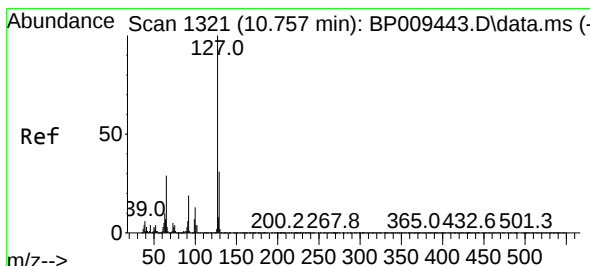
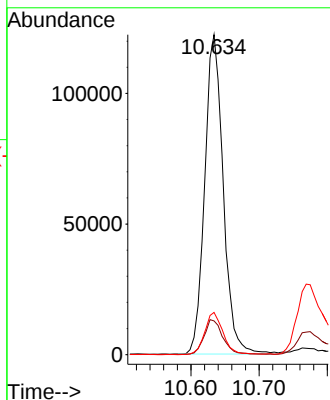
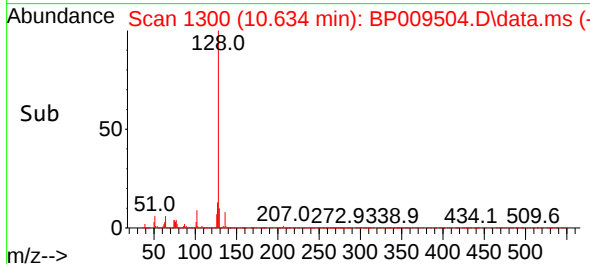
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 231560  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.6 13.0  
127 13.2 10.5 15.7

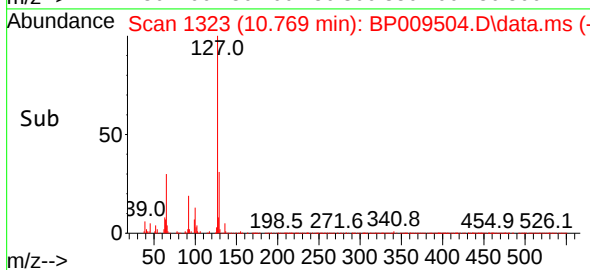
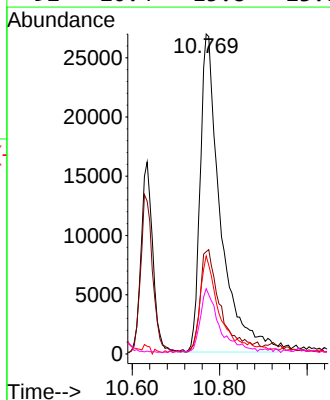
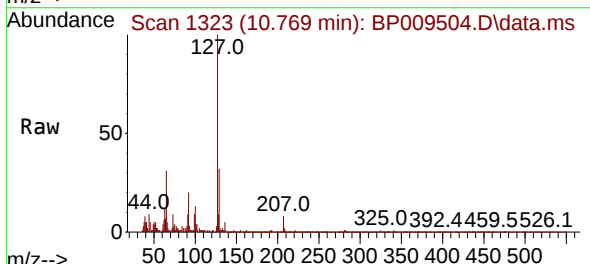
Manual Integrations  
APPROVED

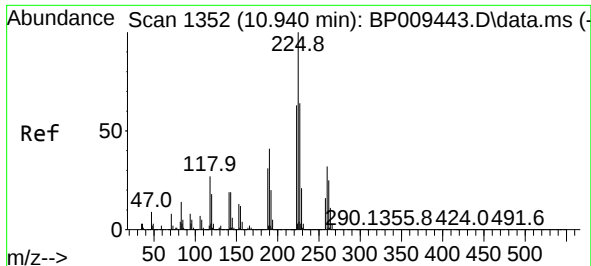
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#33  
4-Chloroaniline  
Concen: 3.445 ng  
RT: 10.769 min Scan# 1323  
Delta R.T. 0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

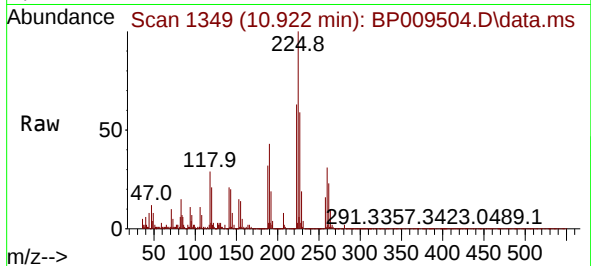
Tgt Ion:127 Resp: 87087  
Ion Ratio Lower Upper  
127 100  
129 32.0 25.5 38.3  
65 30.6 24.3 36.5  
92 20.4 15.8 23.8





#34  
Hexachlorobutadiene  
Concen: 3.299 ng  
RT: 10.922 min Scan# 1349  
Delta R.T. -0.018 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

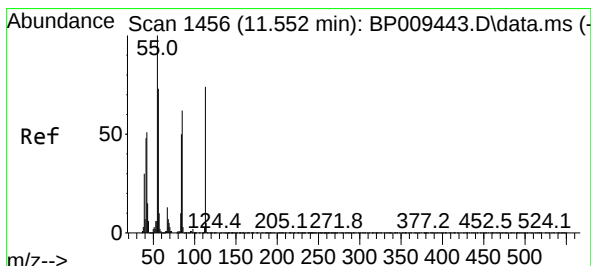
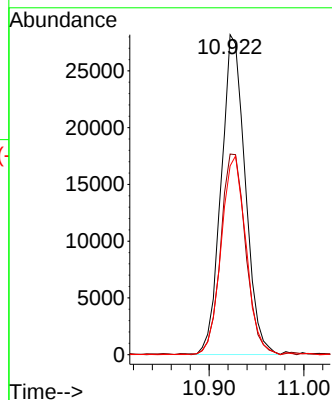
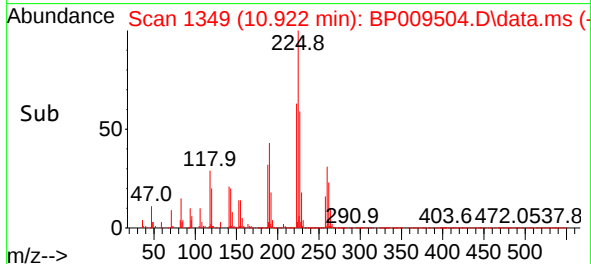
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion: 225 Resp: 4968  
Ion Ratio Lower Upper  
225 100  
223 62.7 50.5 75.7  
227 59.0 51.2 76.8

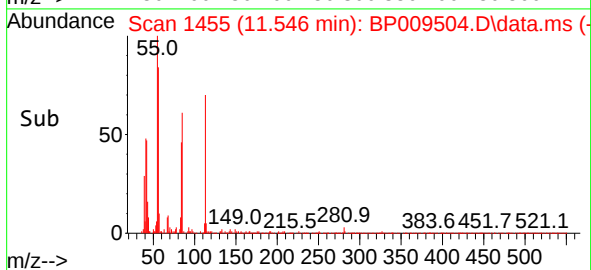
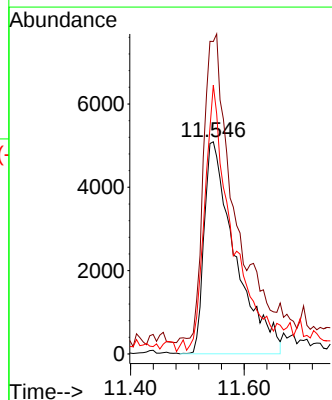
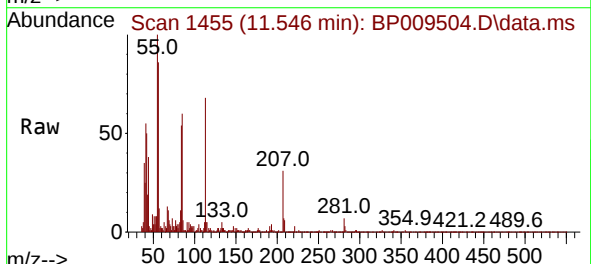
Manual Integrations  
APPROVED

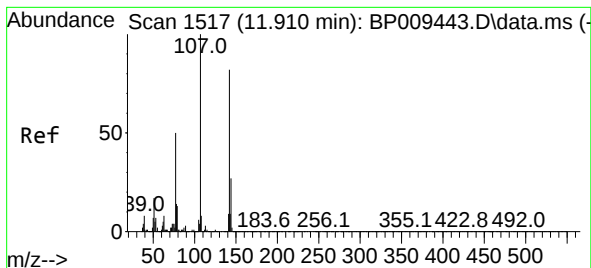
Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022



#35  
Caprolactam  
Concen: 2.967 ng  
RT: 11.546 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

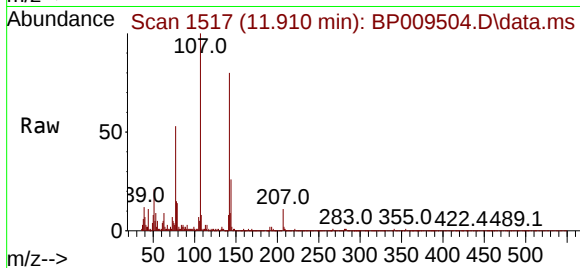
Tgt Ion: 113 Resp: 19211  
Ion Ratio Lower Upper  
113 100  
55 147.3 128.4 168.4  
56 126.7 90.9 130.9





#36  
4-Chloro-3-methylphenol  
Concen: 3.155 ng  
RT: 11.910 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

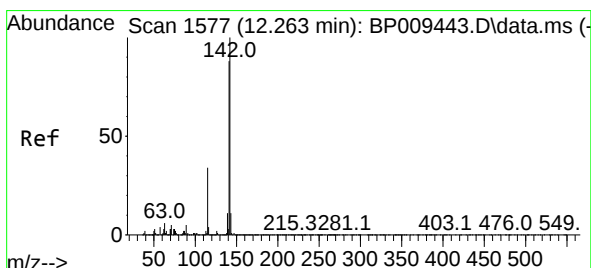
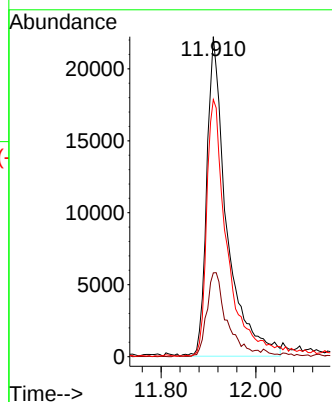
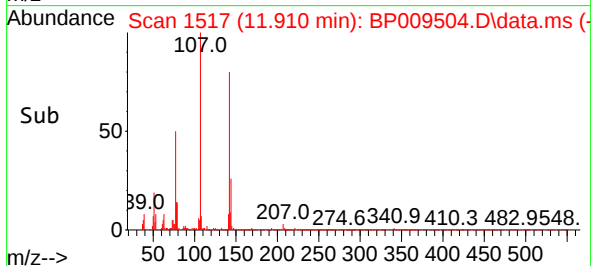
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion:107 Resp: 6504  
Ion Ratio Lower Upper  
107 100  
144 26.2 21.0 31.4  
142 80.4 64.9 97.3

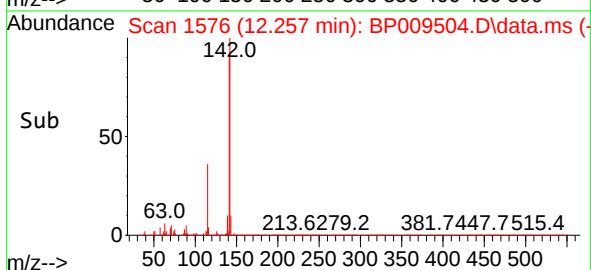
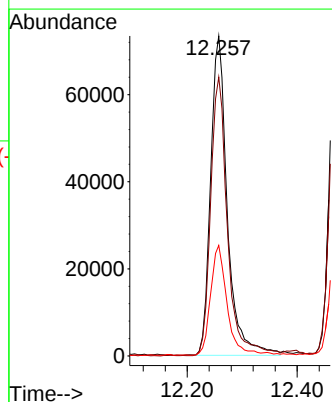
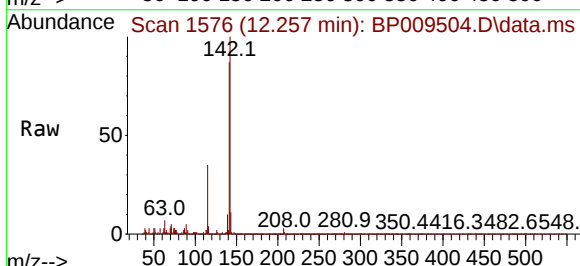
Manual Integrations  
APPROVED

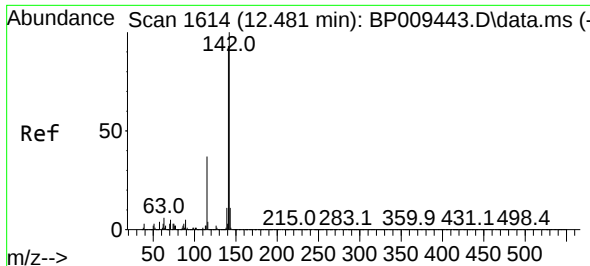
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#37  
2-Methylnaphthalene  
Concen: 3.566 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

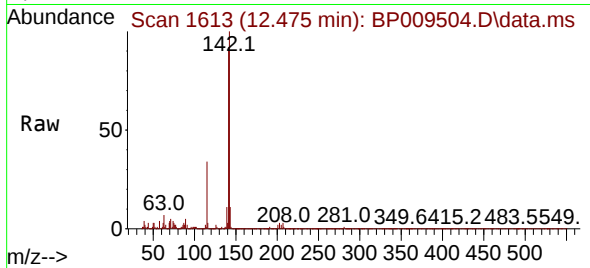
Tgt Ion:142 Resp: 155032  
Ion Ratio Lower Upper  
142 100  
141 87.1 70.2 105.4  
115 34.5 27.4 41.2





#38  
1-Methylnaphthalene  
Concen: 3.550 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

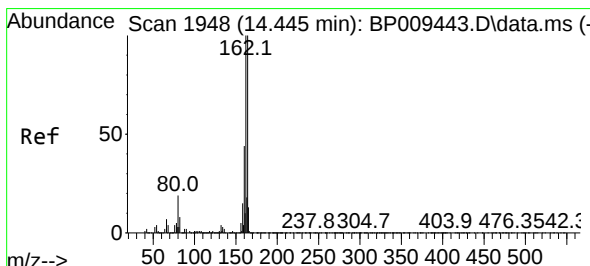
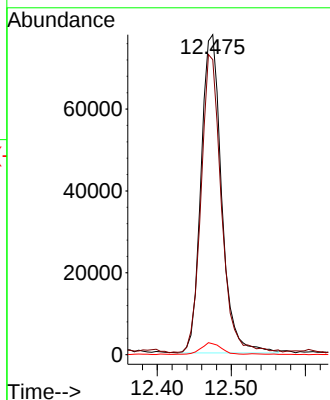
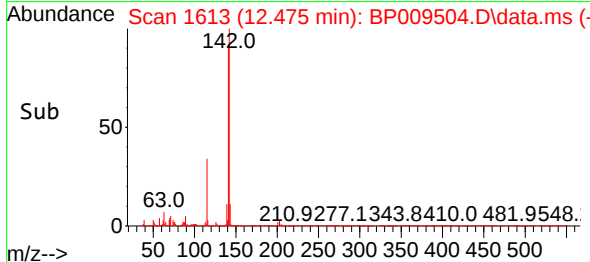
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



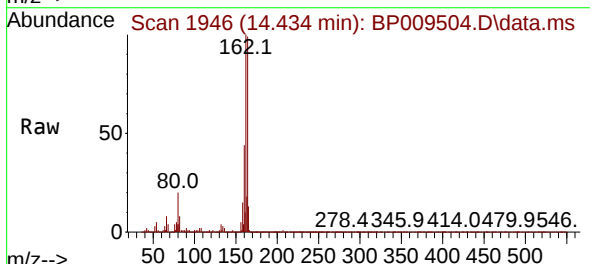
Tgt Ion:142 Resp: 150329  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.5 110.3  
116 3.4 3.3 4.9

Manual Integrations  
APPROVED

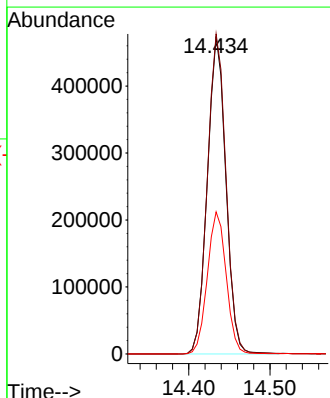
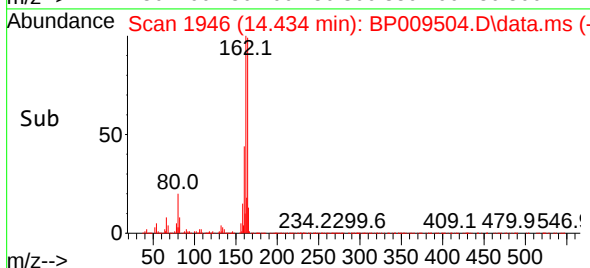
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

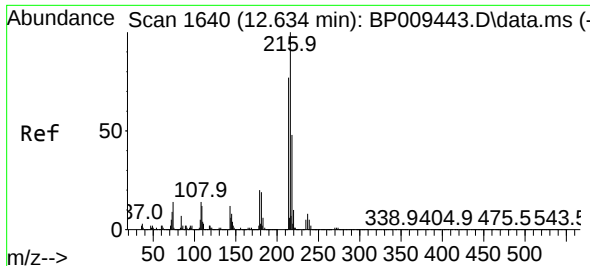


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.434 min Scan# 1946  
Delta R.T. -0.011 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



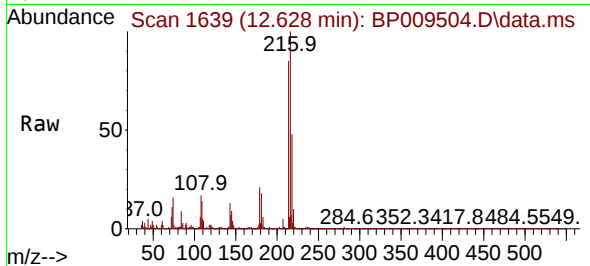
Tgt Ion:164 Resp: 750557  
Ion Ratio Lower Upper  
164 100  
162 100.7 79.1 118.7  
160 44.8 34.9 52.3





#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.601 ng  
RT: 12.628 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

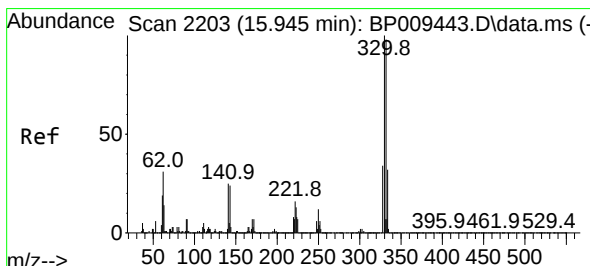
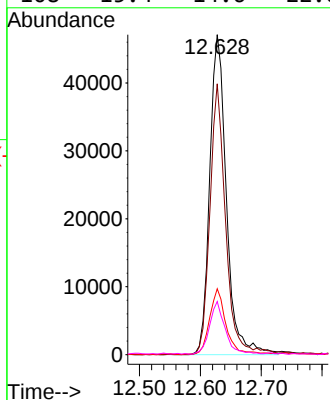
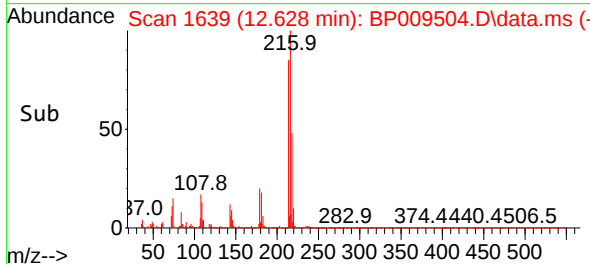
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



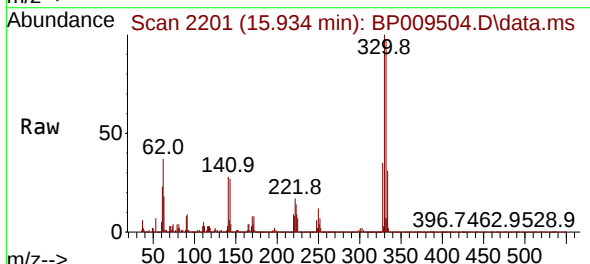
Tgt Ion: 216 Resp: 8966  
Ion Ratio Lower Upper  
216 100  
214 80.4 62.3 93.5  
179 20.7 16.8 25.2  
108 15.4 14.6 22.0

Manual Integrations  
APPROVED

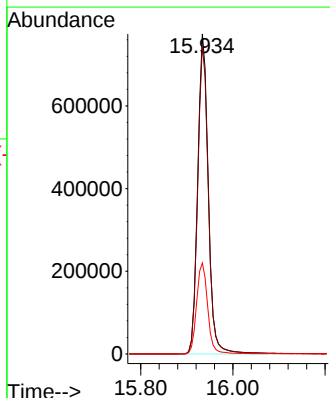
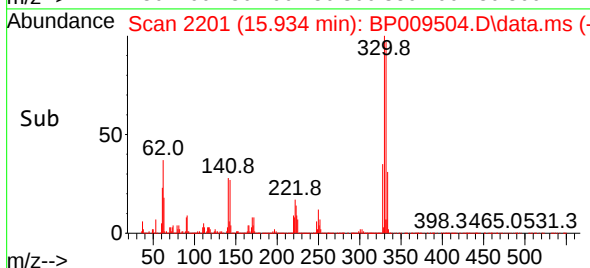
Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022

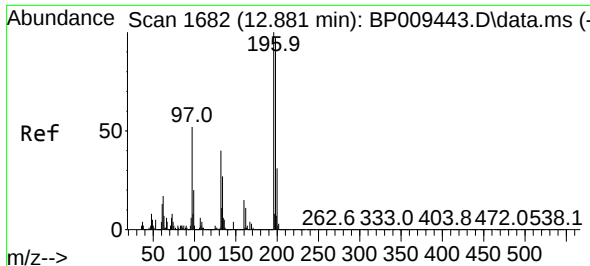


#42  
2,4,6-Tribromophenol  
Concen: 100.537 ng  
RT: 15.934 min Scan# 2201  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



Tgt Ion: 330 Resp: 1245201  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.0 115.6  
141 29.7 27.6 41.4





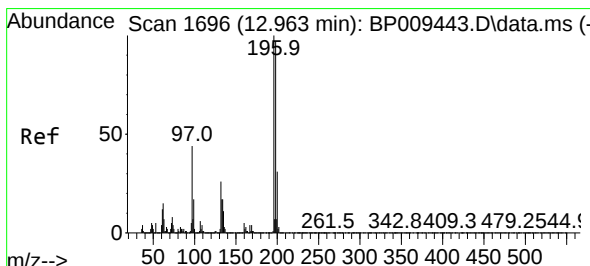
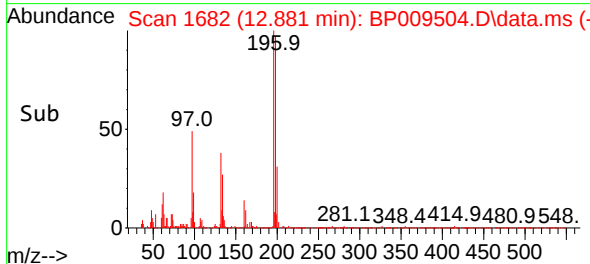
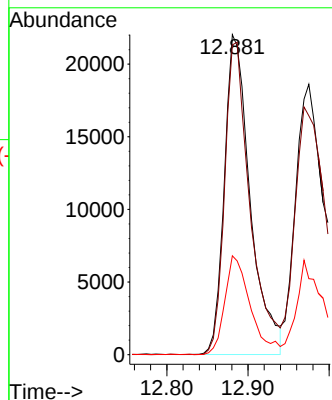
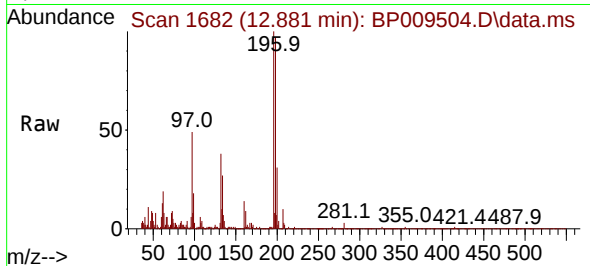
#43  
2,4,6-Trichlorophenol  
Concen: 2.957 ng  
RT: 12.881 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion:196 Resp: 4880  
Ion Ratio Lower Upper  
196 100  
198 96.8 76.2 114.4  
200 30.9 24.4 36.6

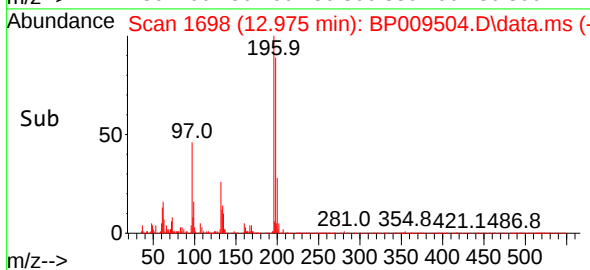
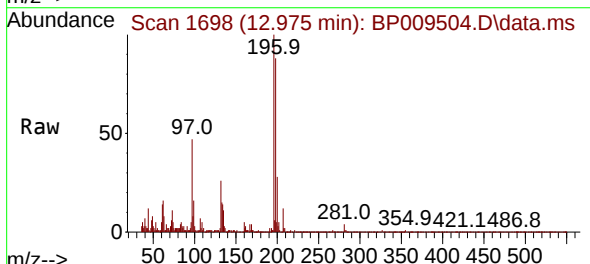
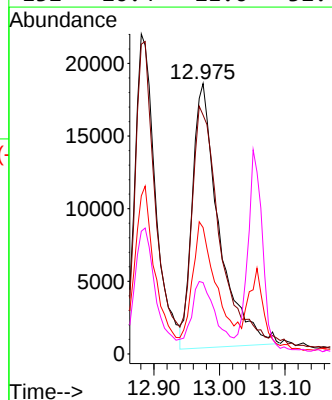
Manual Integrations  
APPROVED

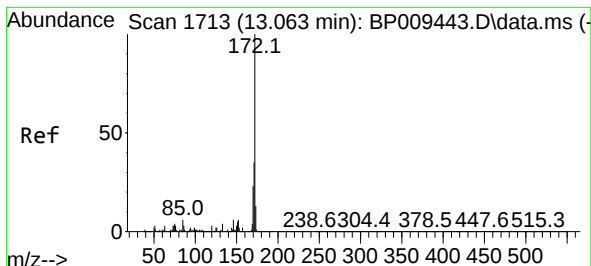
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#44  
2,4,5-Trichlorophenol  
Concen: 2.872 ng  
RT: 12.975 min Scan# 1698  
Delta R.T. 0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

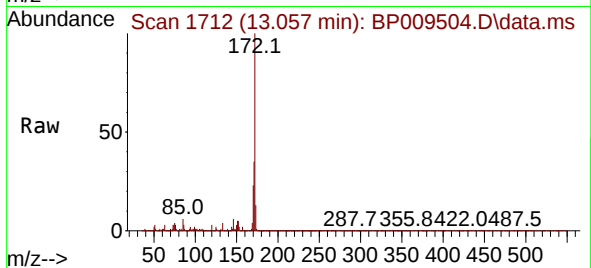
Tgt Ion:196 Resp: 51486  
Ion Ratio Lower Upper  
196 100  
198 88.4 76.6 114.8  
97 46.8 38.3 57.5  
132 26.4 21.6 32.4





#45  
2-Fluorobiphenyl  
Concen: 82.929 ng  
RT: 13.057 min Scan# 1712  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

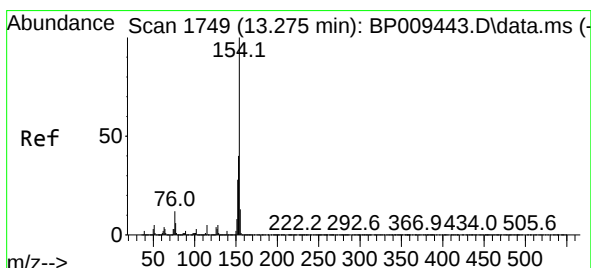
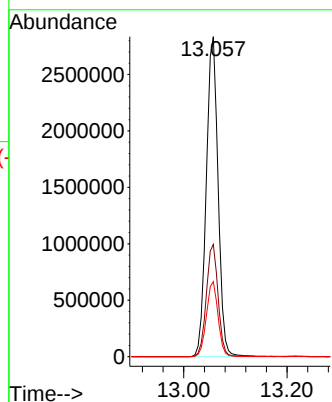
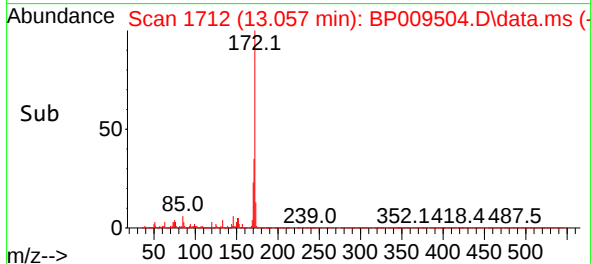
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



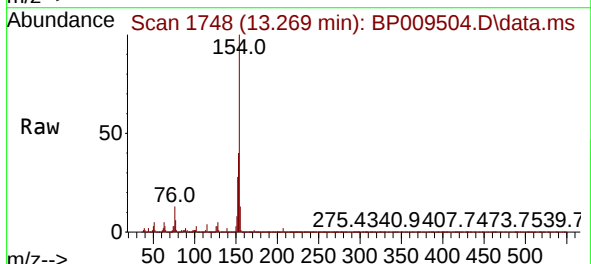
Tgt Ion:172 Resp: 448990  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.0 42.0  
170 23.4 18.6 27.8

Manual Integrations  
APPROVED

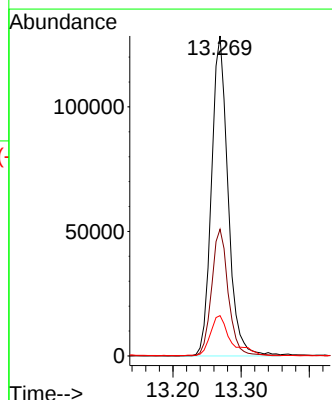
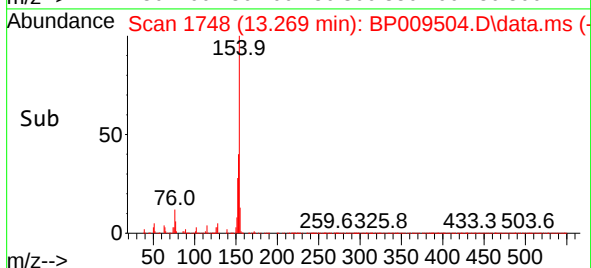
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

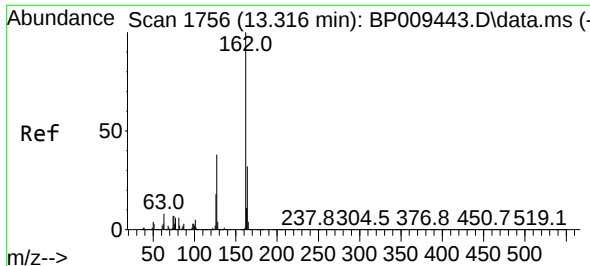


#46  
1,1'-Biphenyl  
Concen: 3.883 ng  
RT: 13.269 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



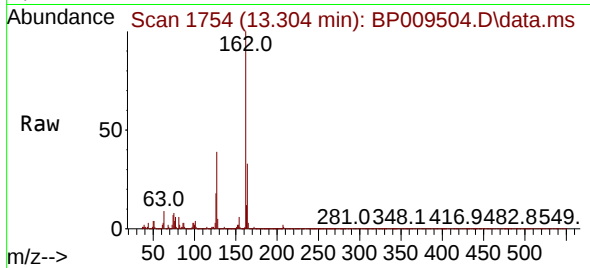
Tgt Ion:154 Resp: 217401  
Ion Ratio Lower Upper  
154 100  
153 39.6 20.2 60.2  
76 12.6 0.0 34.0





#47  
2-Chloronaphthalene  
Concen: 3.666 ng  
RT: 13.304 min Scan# 1754  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

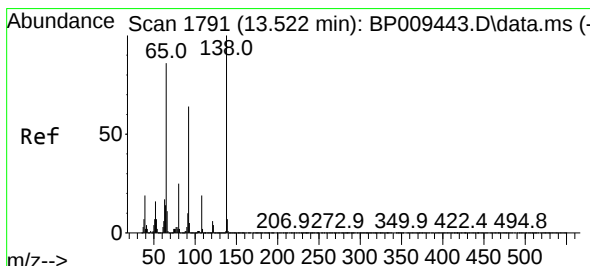
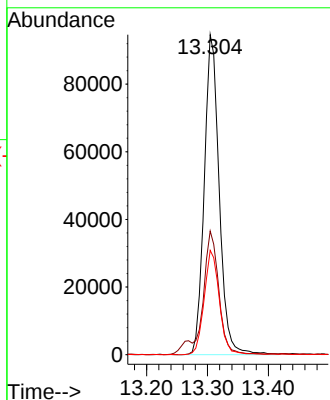
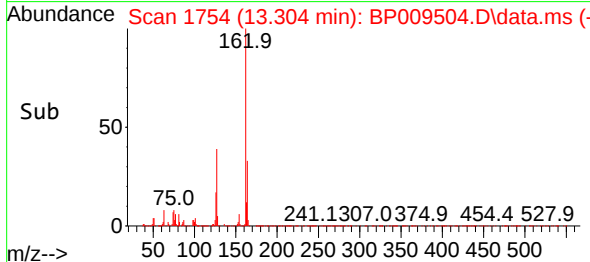
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion: 162 Resp: 161590  
Ion Ratio Lower Upper  
162 100  
127 38.7 30.8 46.2  
164 32.6 26.3 39.5

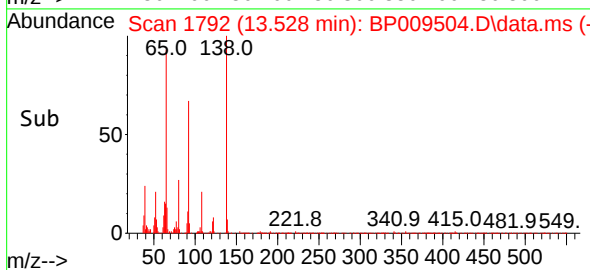
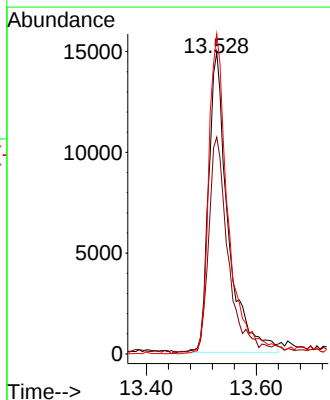
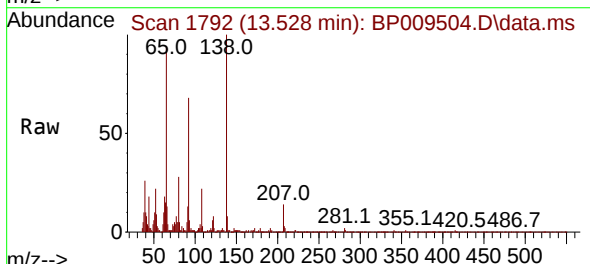
Manual Integrations  
APPROVED

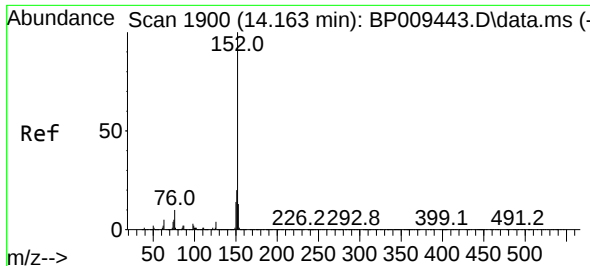
Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022



#48  
2-Nitroaniline  
Concen: 3.046 ng  
RT: 13.528 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

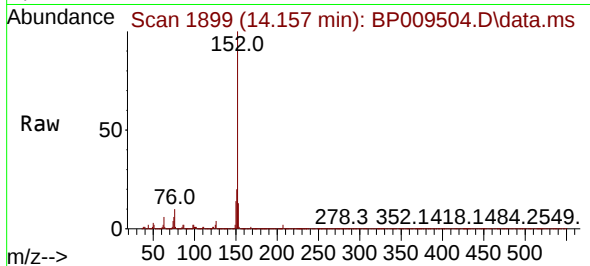
Tgt Ion: 65 Resp: 36567  
Ion Ratio Lower Upper  
65 100  
92 71.8 56.9 85.3  
138 106.0 89.3 133.9





#49  
Acenaphthylene  
Concen: 3.811 ng  
RT: 14.157 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

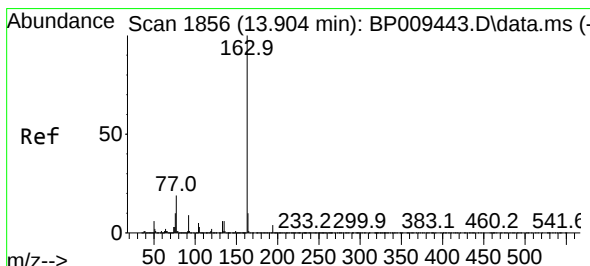
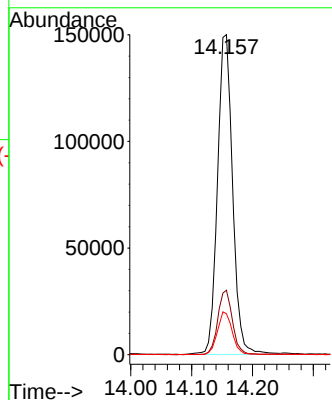
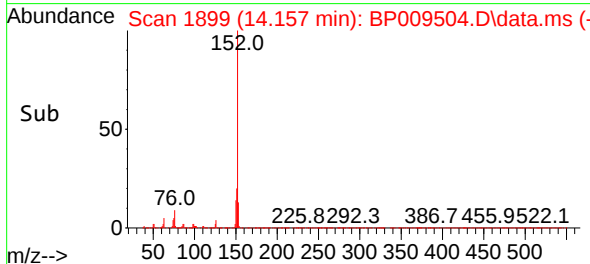
Instrument : BNA\_P  
Client Sample Id : MDL-SOIL-03-QT1-2022



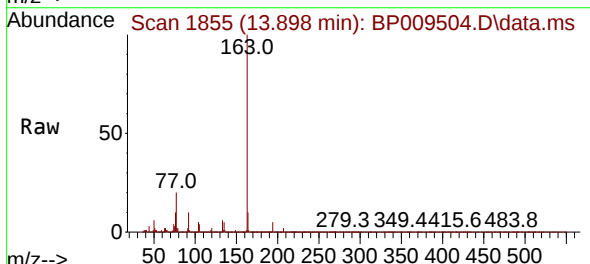
Tgt Ion:152 Resp: 259318  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.9 23.9  
153 12.8 10.7 16.1

Manual Integrations  
APPROVED

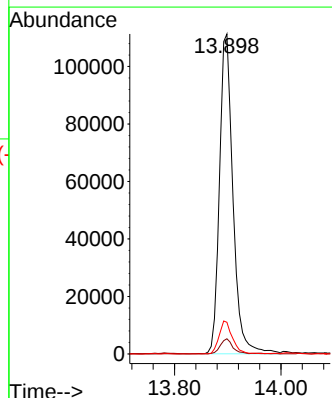
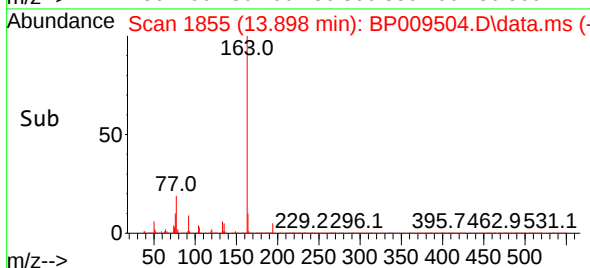
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

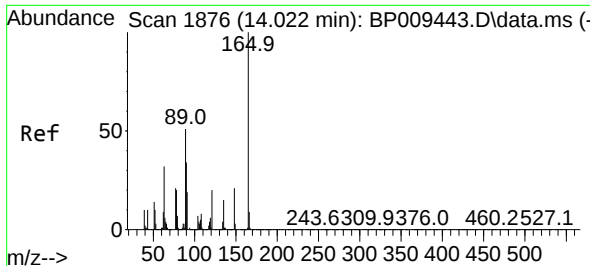


#50  
Dimethylphthalate  
Concen: 3.445 ng  
RT: 13.898 min Scan# 1855  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



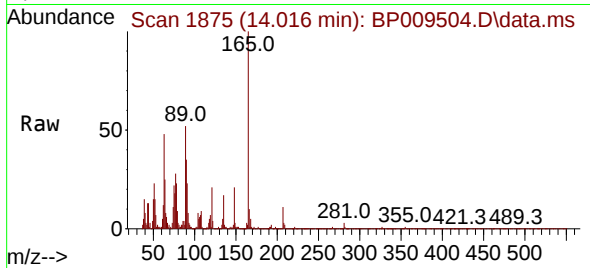
Tgt Ion:163 Resp: 195913  
Ion Ratio Lower Upper  
163 100  
194 4.8 3.4 5.0  
164 9.9 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 3.204 ng  
RT: 14.016 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

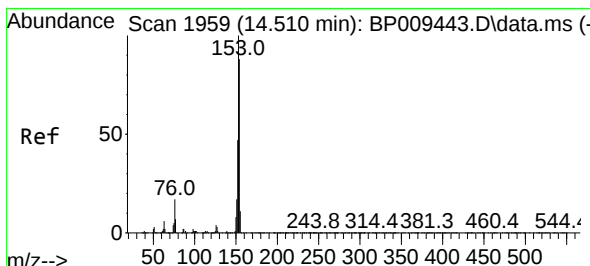
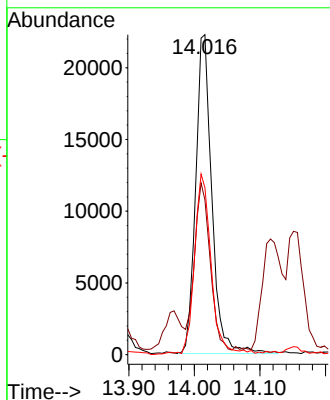
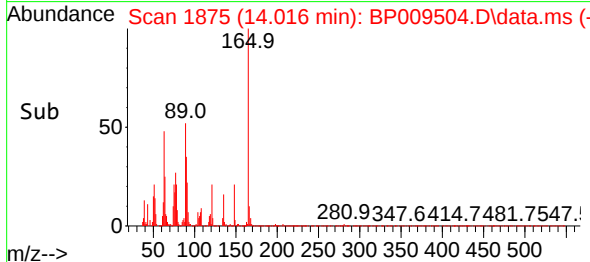
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



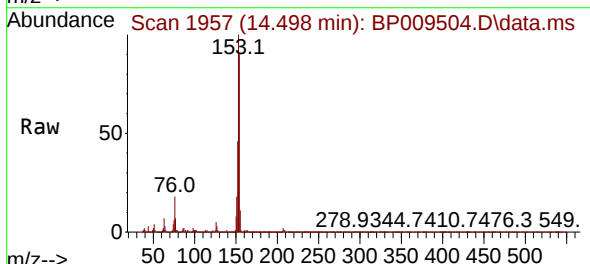
Tgt Ion:165 Resp: 38180  
Ion Ratio Lower Upper  
165 100  
63 48.4 40.9 61.3  
89 52.2 43.4 65.2

Manual Integrations  
APPROVED

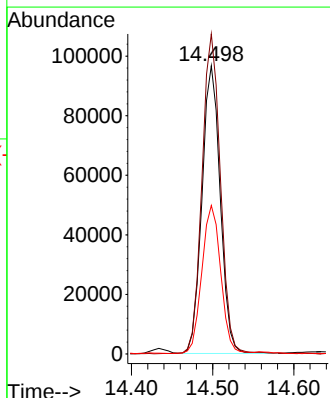
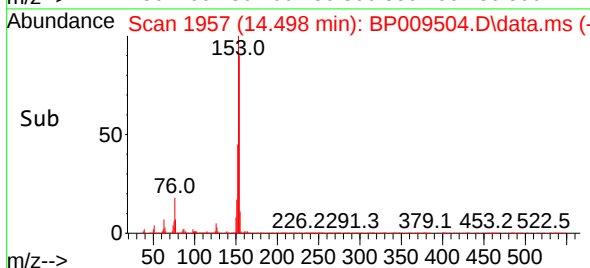
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

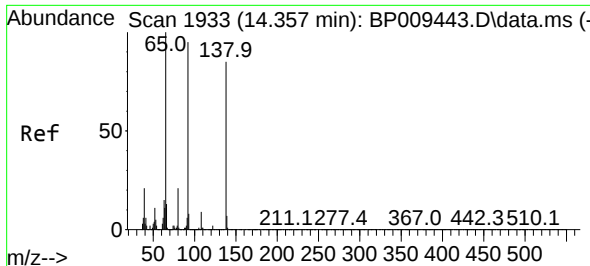


#52  
Acenaphthene  
Concen: 3.706 ng  
RT: 14.498 min Scan# 1957  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



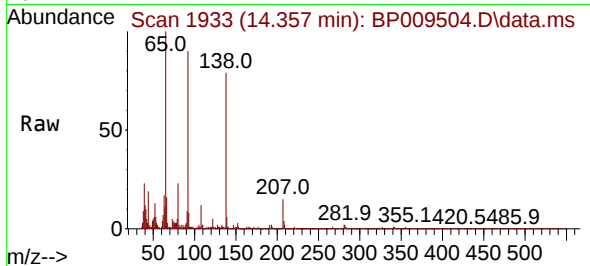
Tgt Ion:154 Resp: 150634  
Ion Ratio Lower Upper  
154 100  
153 111.1 90.2 135.4  
152 51.5 42.7 64.1





#53  
3-Nitroaniline  
Concen: 3.054 ng  
RT: 14.357 min Scan# 1933  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

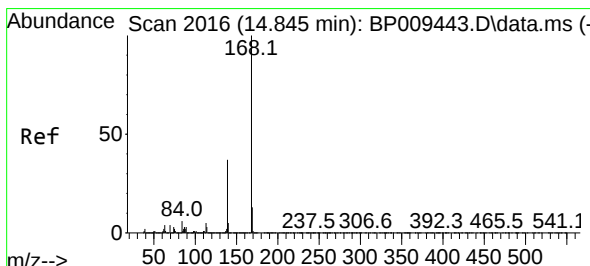
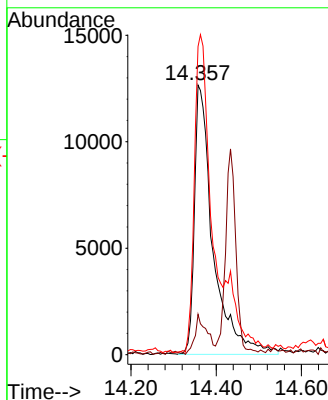
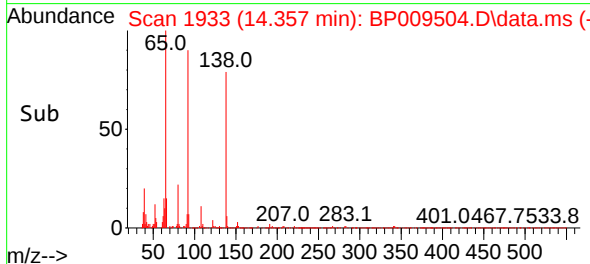
Instrument : BNA\_P  
ClientSampleId : MDL-SOIL-03-QT1-2022



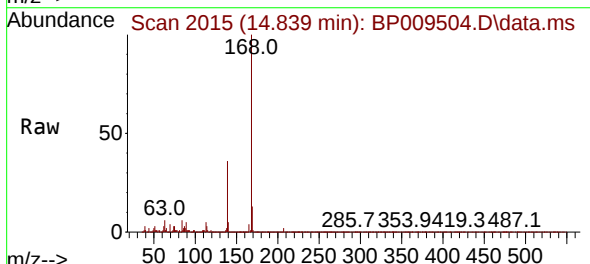
Tgt Ion:138 Resp: 38438  
Ion Ratio Lower Upper  
138 100  
108 15.0 9.7 14.5  
92 114.3 94.4 141.6

Manual Integrations  
APPROVED

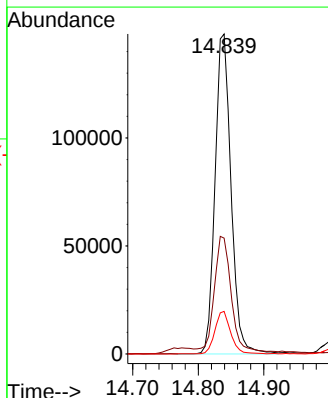
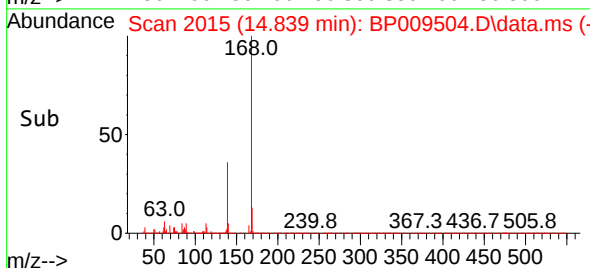
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

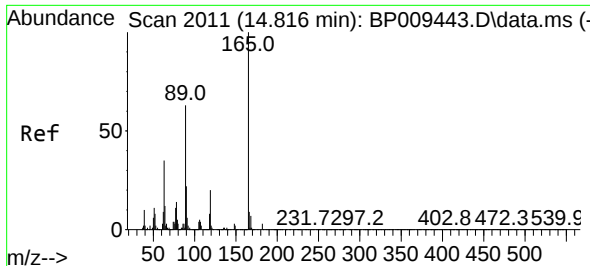


#55  
Dibenzofuran  
Concen: 3.659 ng  
RT: 14.839 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



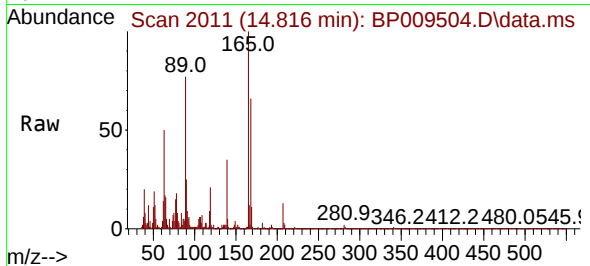
Tgt Ion:168 Resp: 249920  
Ion Ratio Lower Upper  
168 100  
139 36.2 29.1 43.7  
169 13.3 10.6 16.0





#57  
2,4-Dinitrotoluene  
Concen: 2.766 ng  
RT: 14.816 min Scan# 2011  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

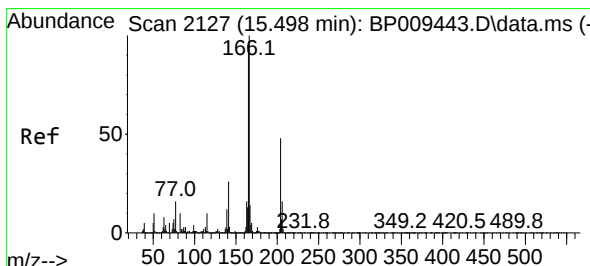
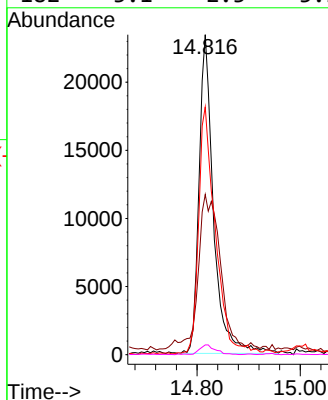
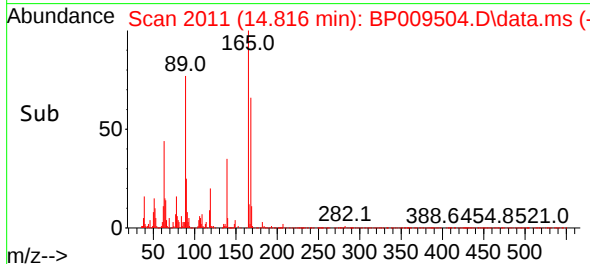
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 45318  
Ion Ratio Lower Upper  
165 100  
63 50.0 31.4 47.2  
89 77.4 55.9 83.9  
182 3.1 2.3 3.5

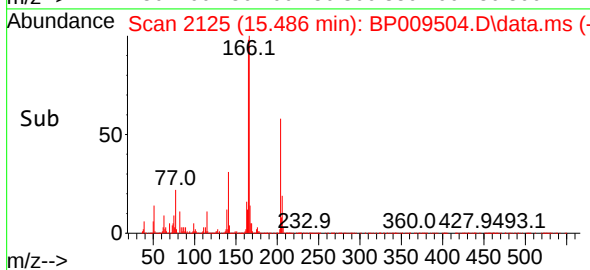
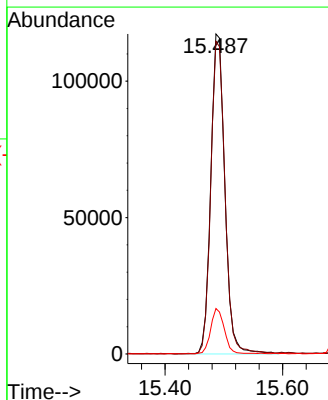
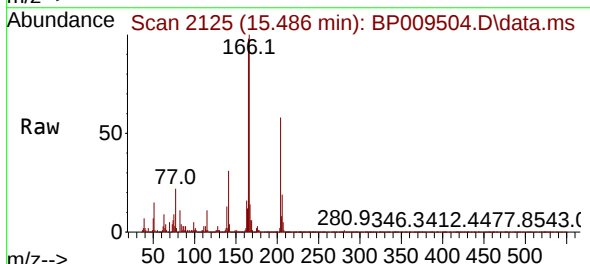
Manual Integrations  
APPROVED

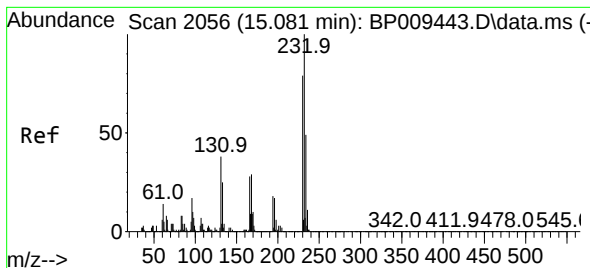
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#58  
Fluorene  
Concen: 3.630 ng  
RT: 15.486 min Scan# 2125  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

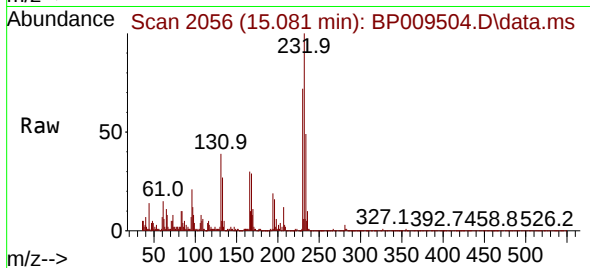
Tgt Ion:166 Resp: 194976  
Ion Ratio Lower Upper  
166 100  
165 97.7 79.2 118.8  
167 14.2 10.7 16.1





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 2.934 ng  
RT: 15.081 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

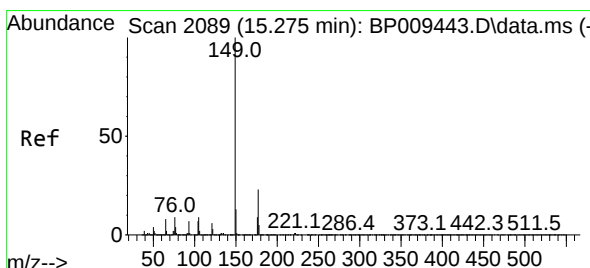
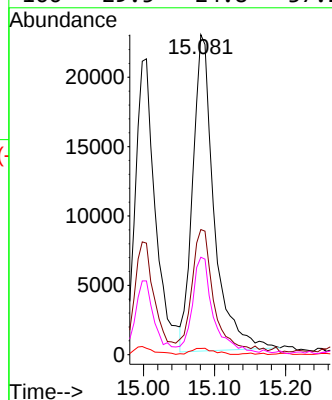
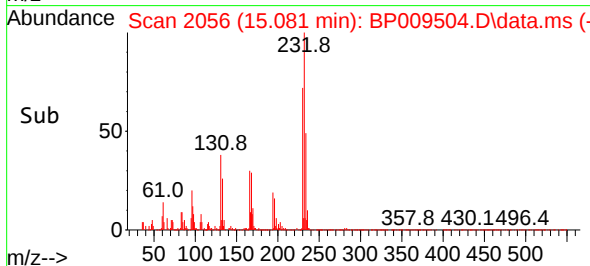
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



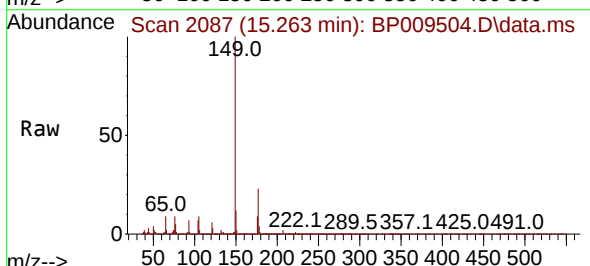
Tgt Ion:232 Resp: 47670  
Ion Ratio Lower Upper  
232 100  
131 40.0 35.5 53.3  
130 2.1 1.8 2.8  
166 29.5 24.8 37.2

Manual Integrations  
APPROVED

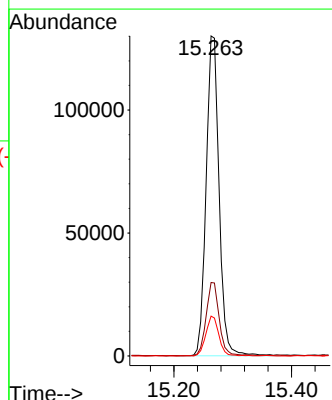
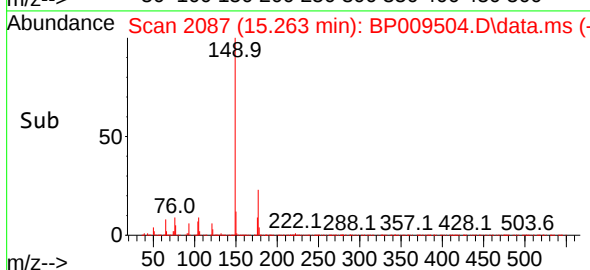
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

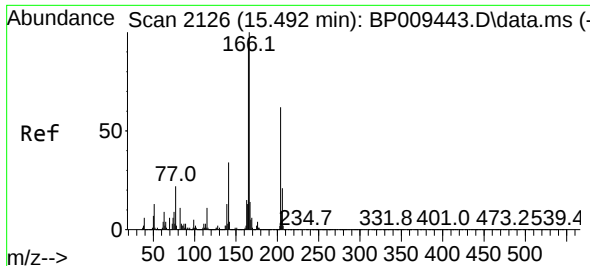


#60  
Diethylphthalate  
Concen: 3.505 ng  
RT: 15.263 min Scan# 2087  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



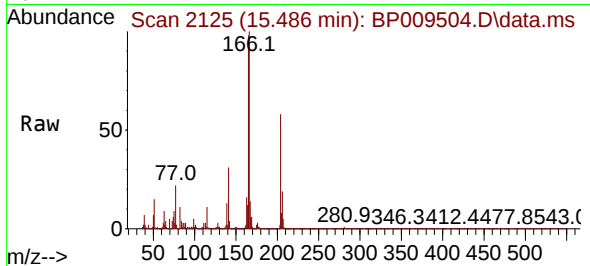
Tgt Ion:149 Resp: 199506  
Ion Ratio Lower Upper  
149 100  
177 23.0 18.2 27.2  
150 12.5 9.9 14.9





#61  
4-Chlorophenyl-phenylether  
Concen: 3.434 ng  
RT: 15.486 min Scan# 2125  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

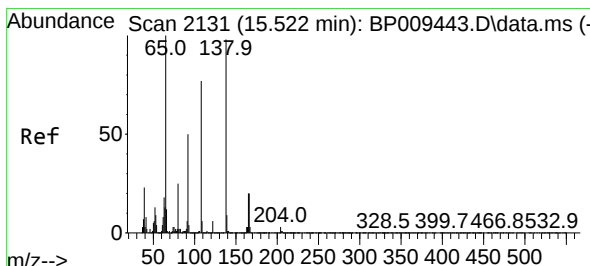
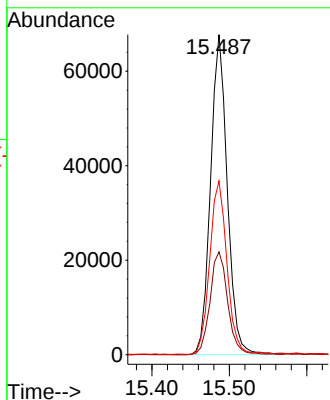
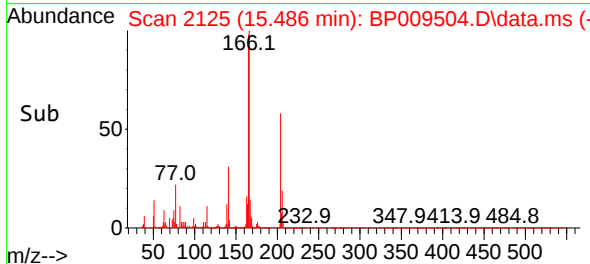
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



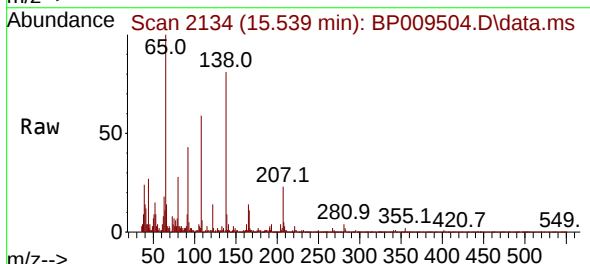
Tgt Ion:204 Resp: 101608  
Ion Ratio Lower Upper  
204 100  
206 32.2 26.0 39.0  
141 54.3 45.9 68.9

Manual Integrations  
APPROVED

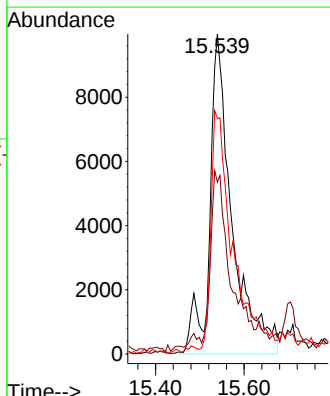
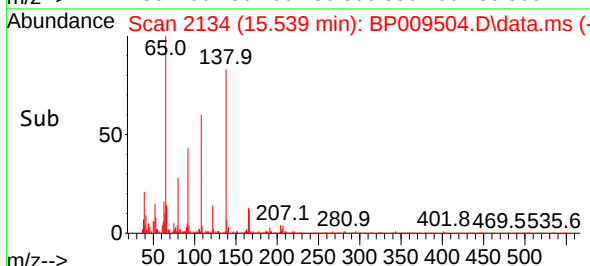
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

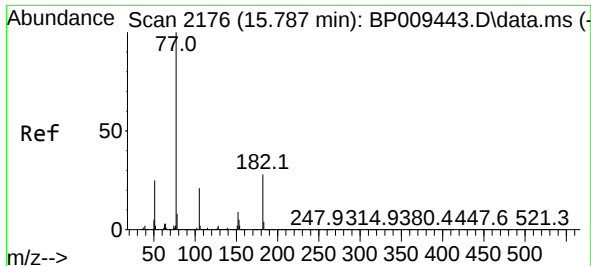


#62  
4-Nitroaniline  
Concen: 2.660 ng m  
RT: 15.539 min Scan# 2134  
Delta R.T. 0.018 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



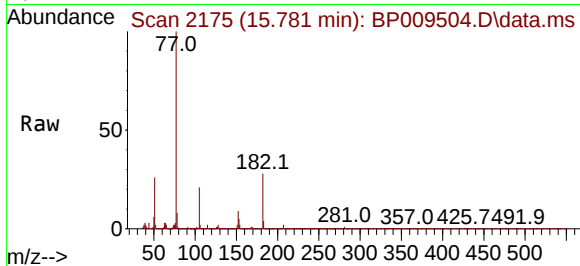
Tgt Ion:138 Resp: 35159  
Ion Ratio Lower Upper  
138 100  
92 53.7 31.2 71.2  
108 73.5 54.3 94.3





#63  
Azobenzene  
Concen: 3.420 ng  
RT: 15.781 min Scan# 2176  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

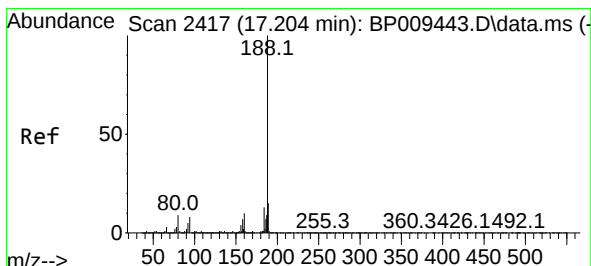
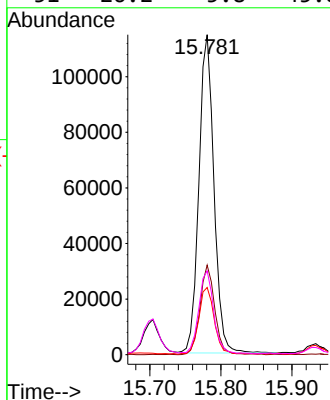
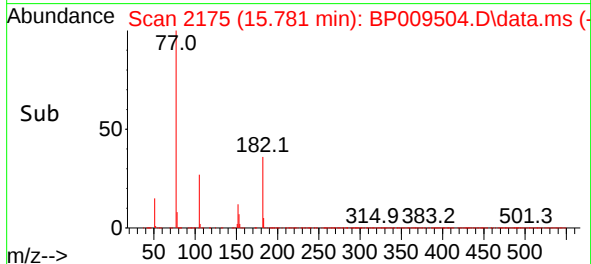
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 169320  
Ion Ratio Lower Upper  
77 100  
182 28.0 5.4 45.4  
105 21.0 0.3 40.3  
51 26.2 5.8 45.8

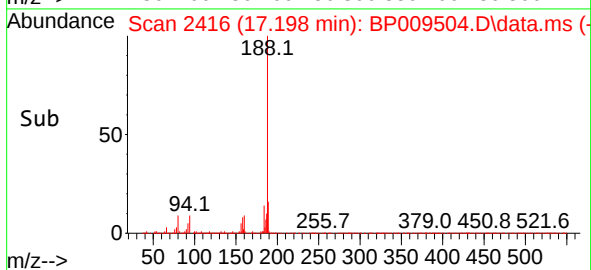
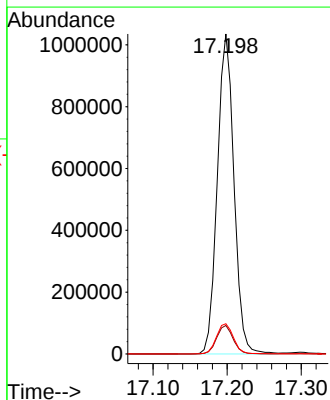
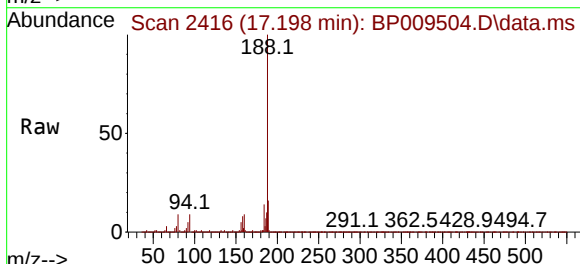
Manual Integrations  
APPROVED

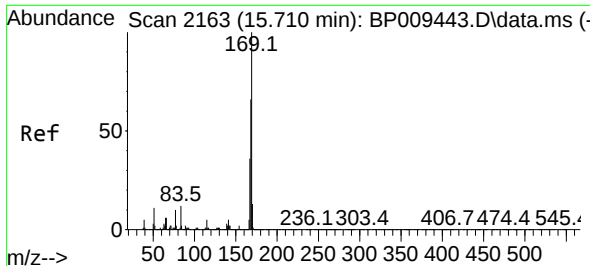
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.198 min Scan# 2416  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

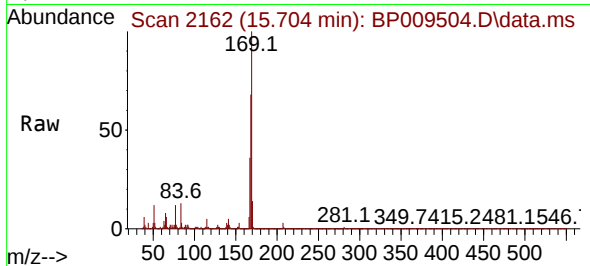
Tgt Ion:188 Resp: 1616236  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.9 11.9  
80 9.4 8.8 13.2





#66  
n-Nitrosodiphenylamine  
Concen: 3.575 ng  
RT: 15.704 min Scan# 2163  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

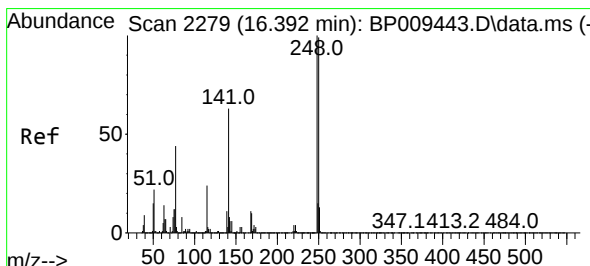
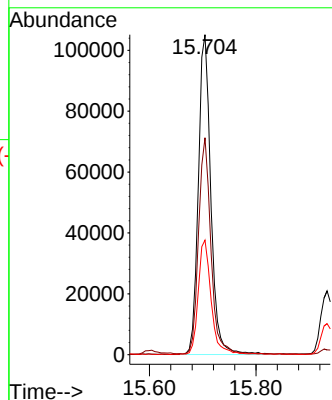
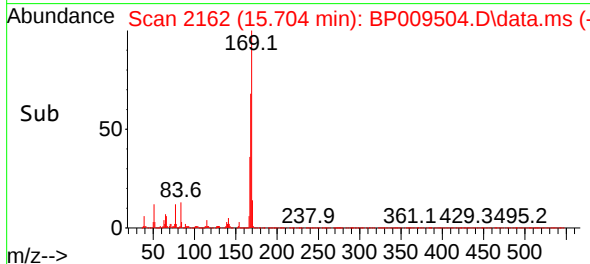
Instrument : BNA\_P  
ClientSampleId : MDL-SOIL-03-QT1-2022



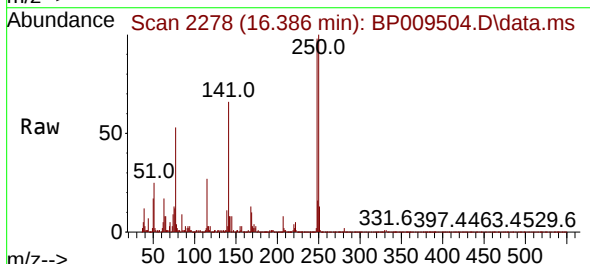
Tgt Ion:169 Resp: 170999  
Ion Ratio Lower Upper  
169 100  
168 67.8 51.6 77.4  
167 35.8 29.0 43.4

Manual Integrations  
APPROVED

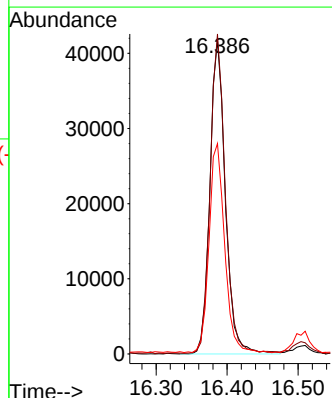
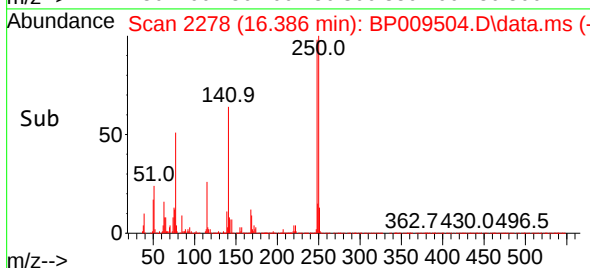
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022

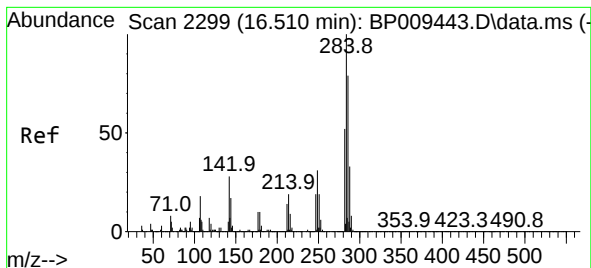


#67  
4-Bromophenyl-phenylether  
Concen: 3.192 ng  
RT: 16.386 min Scan# 2278  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



Tgt Ion:248 Resp: 63134  
Ion Ratio Lower Upper  
248 100  
250 102.2 77.7 116.5  
141 67.2 58.3 87.5





#68

Hexachlorobenzene

Concen: 3.340 ng

RT: 16.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:284 Resp: 7603

Ion Ratio Lower Upper

284 100

142 30.6 26.8 40.2

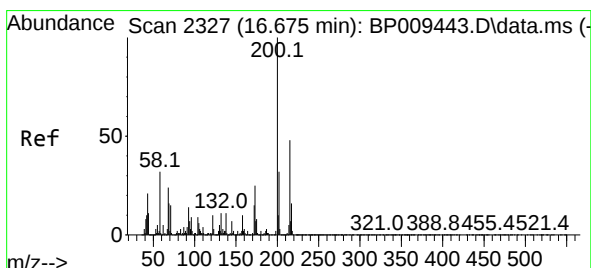
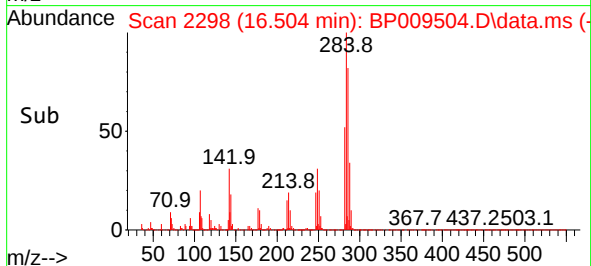
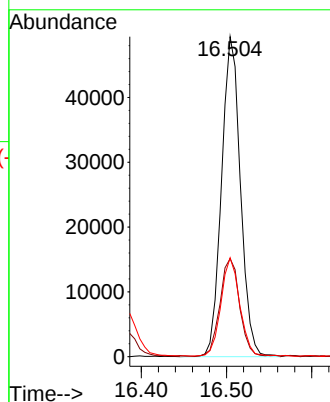
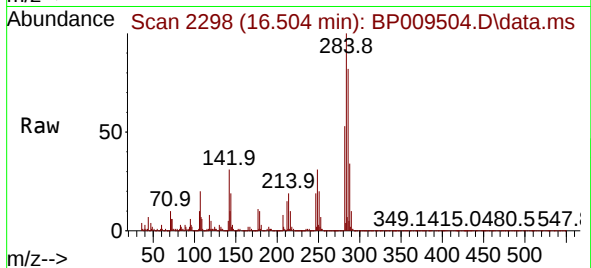
249 30.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#69

Atrazine

Concen: 3.515 ng

RT: 16.669 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

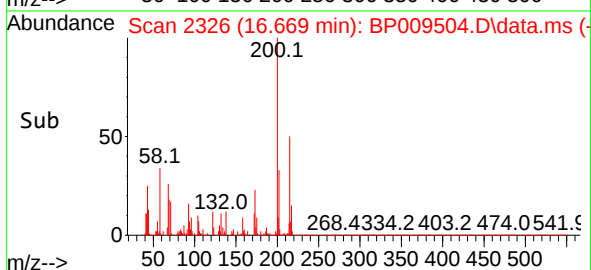
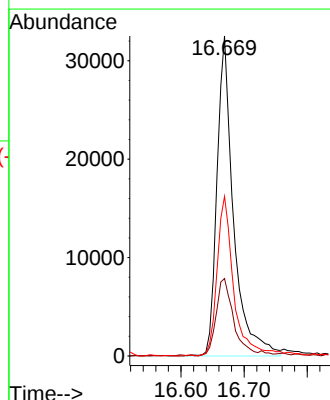
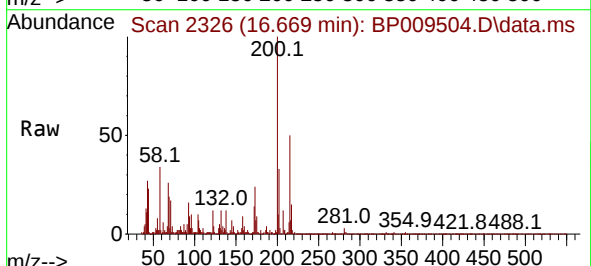
Tgt Ion:200 Resp: 59113

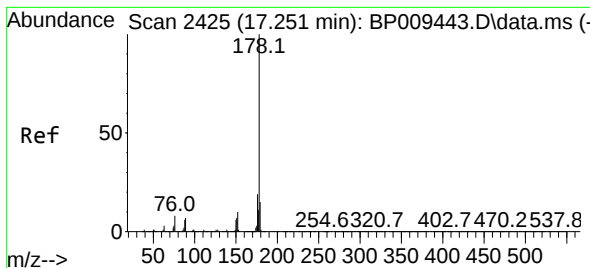
Ion Ratio Lower Upper

200 100

173 24.2 6.2 46.2

215 49.8 28.5 68.5





#71

Phenanthrene

Concen: 3.740 ng

RT: 17.239 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:178 Resp: 32353

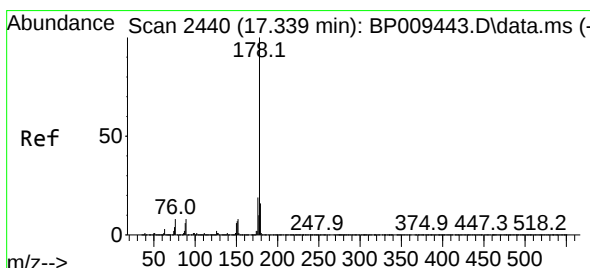
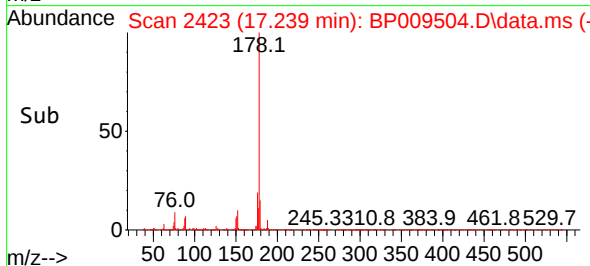
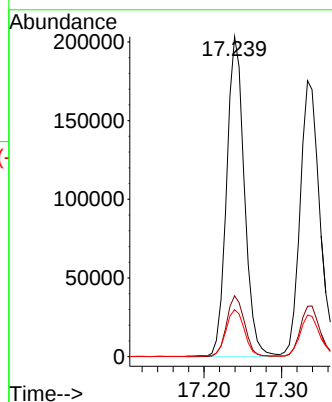
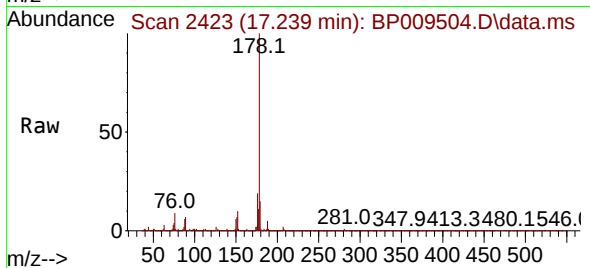
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.0  | 15.4  | 23.2  |
| 179 | 14.7  | 12.3  | 18.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#72

Anthracene

Concen: 3.709 ng

RT: 17.333 min Scan# 2439

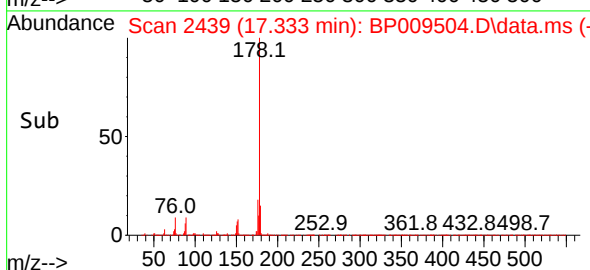
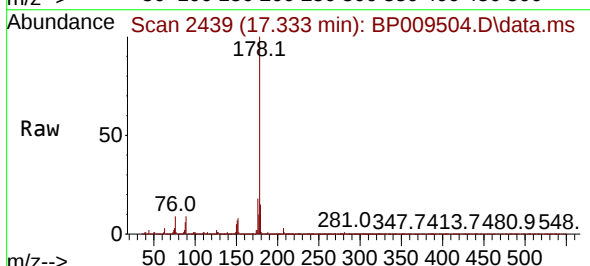
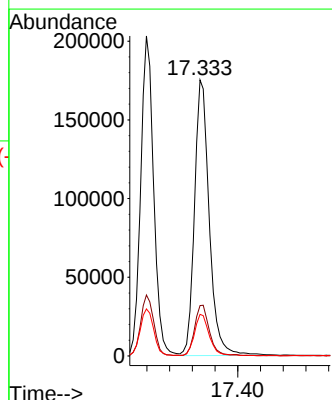
Delta R.T. -0.006 min

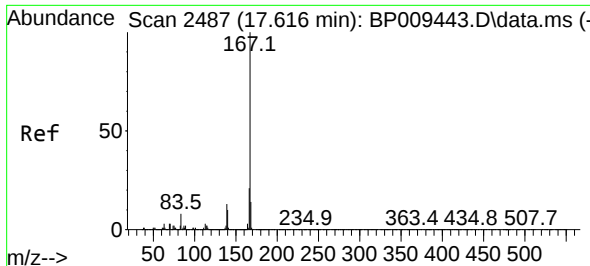
Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

Tgt Ion:178 Resp: 316823

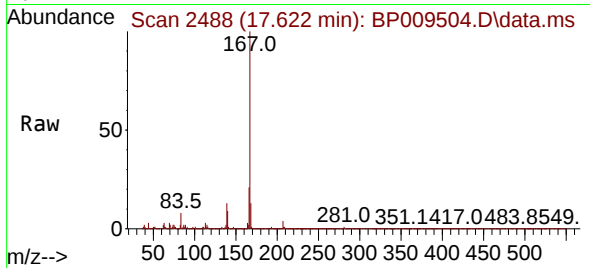
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.2  | 14.8  | 22.2  |
| 179 | 15.1  | 12.2  | 18.4  |





#73  
 Carbazole  
 Concen: 3.518 ng  
 RT: 17.622 min Scan# 2488  
 Delta R.T. 0.006 min  
 Lab File: BP009504.D  
 Acq: 23 Mar 2022 13:16

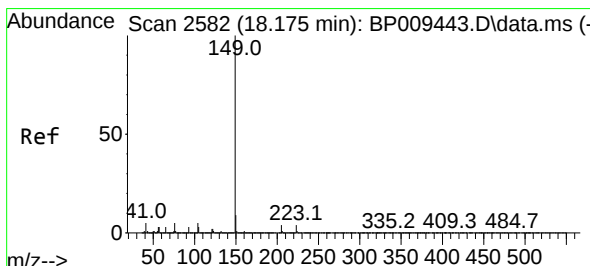
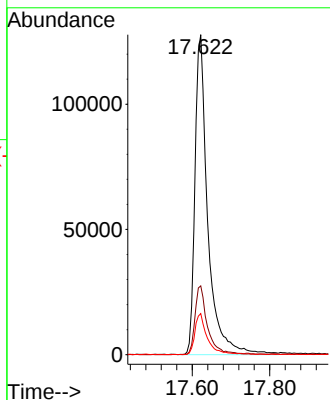
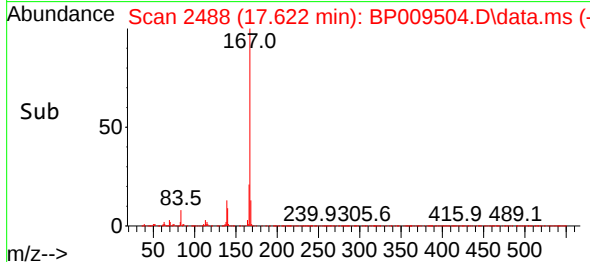
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2022



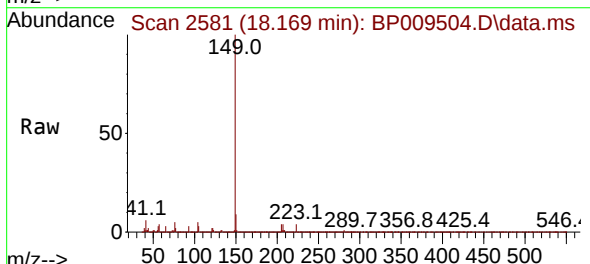
Tgt Ion:167 Resp: 29392  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.2 25.8  
 139 12.9 10.3 15.5

Manual Integrations  
 APPROVED

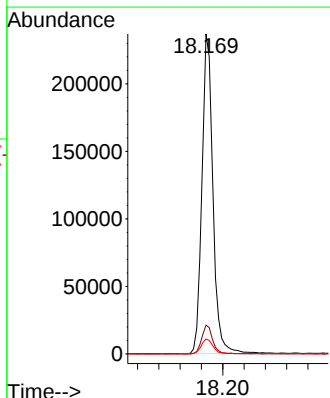
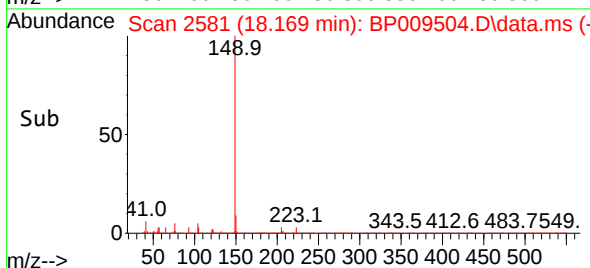
Reviewed By :Christian Giraldo 03/24/2022  
 Supervised By :Jagrut Upadhyay 03/24/2022

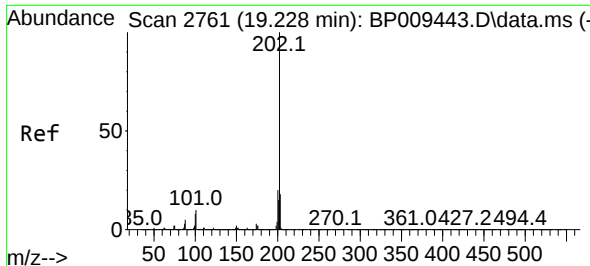


#74  
 Di-n-butylphthalate  
 Concen: 3.467 ng  
 RT: 18.169 min Scan# 2581  
 Delta R.T. -0.006 min  
 Lab File: BP009504.D  
 Acq: 23 Mar 2022 13:16



Tgt Ion:149 Resp: 339435  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.3 10.9  
 104 4.6 4.2 6.2





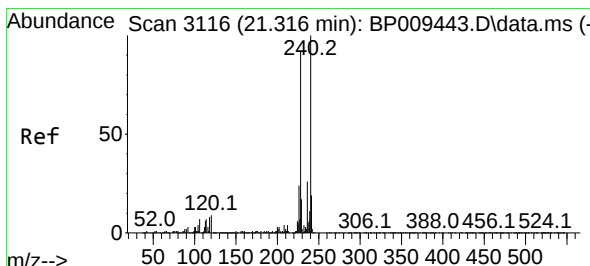
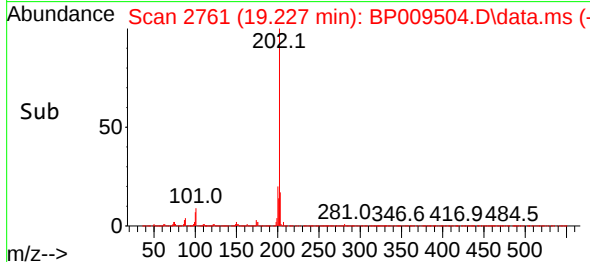
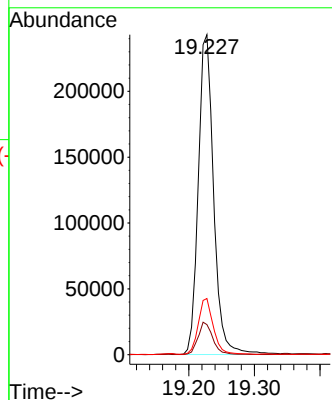
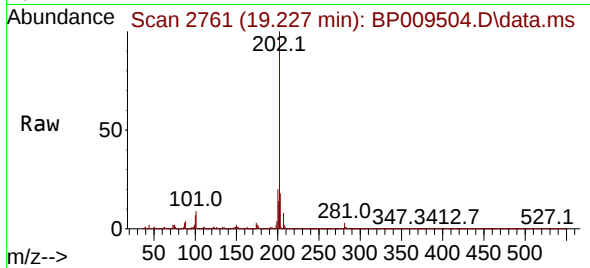
#75  
Fluoranthene  
Concen: 3.785 ng  
RT: 19.227 min Scan# 2761  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion:202 Resp: 396400  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 31.5  
203 17.6 0.0 37.8

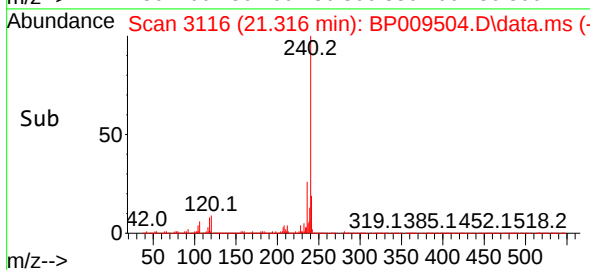
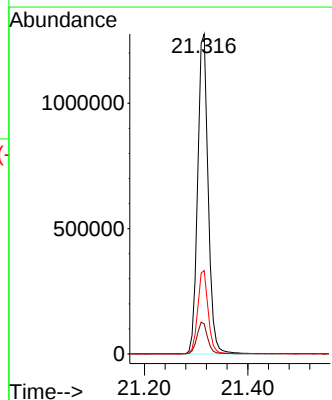
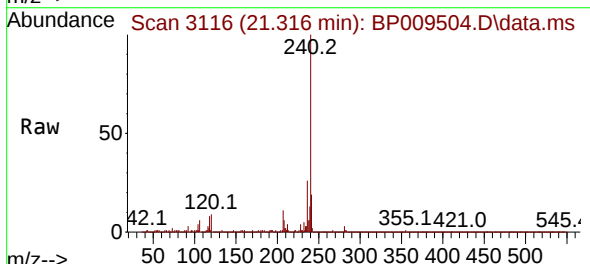
Manual Integrations  
APPROVED

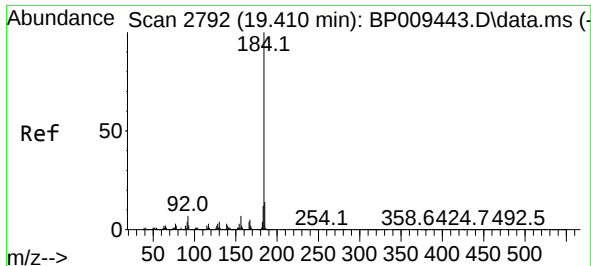
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.316 min Scan# 3116  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

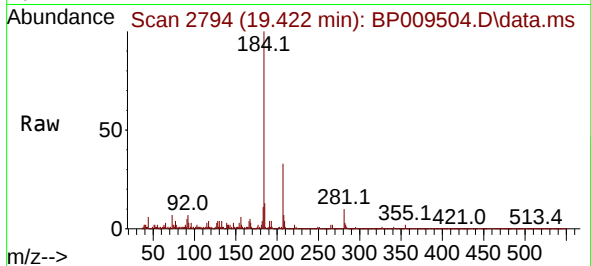
Tgt Ion:240 Resp: 1798398  
Ion Ratio Lower Upper  
240 100  
120 9.4 9.0 13.4  
236 26.0 20.6 30.8





#77  
Benzidine  
Concen: 4.560 ng  
RT: 19.422 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

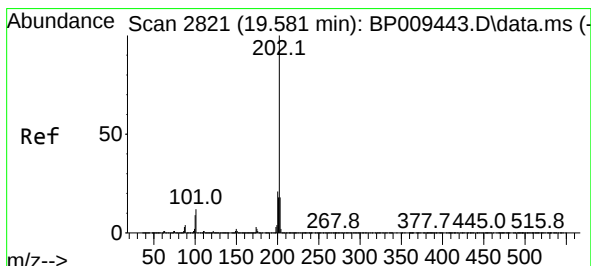
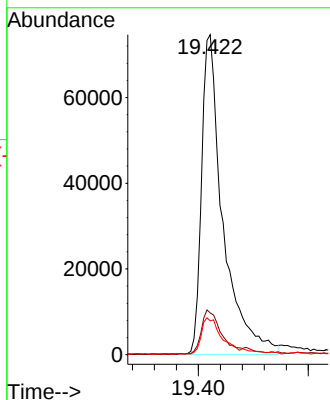
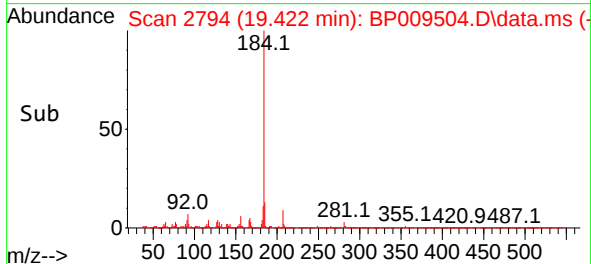
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion:184 Resp: 20099  
Ion Ratio Lower Upper  
184 100  
185 13.1 11.5 17.3  
183 10.6 9.4 14.0

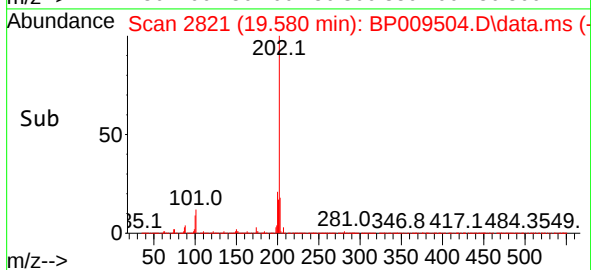
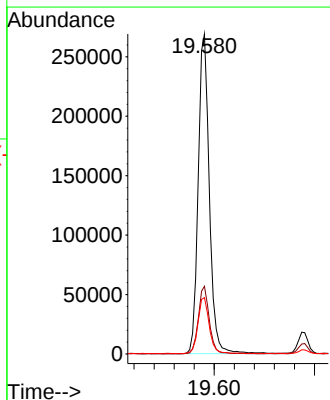
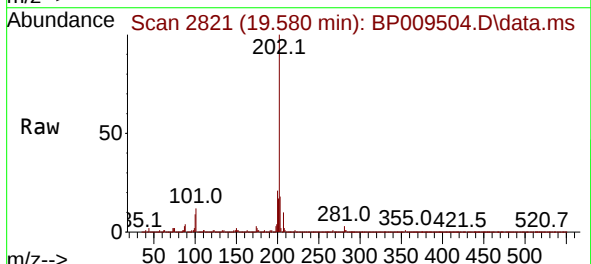
Manual Integrations  
APPROVED

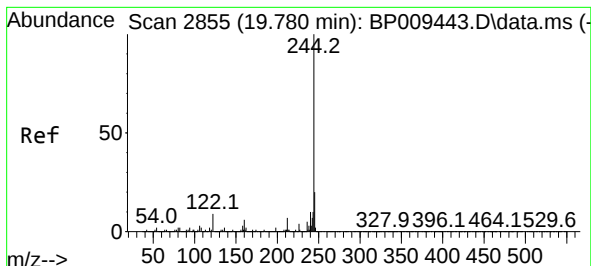
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#78  
Pyrene  
Concen: 3.493 ng  
RT: 19.580 min Scan# 2821  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion:202 Resp: 414002  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.8 25.2  
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 74.534 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.000 min

Lab File: BP009504.D

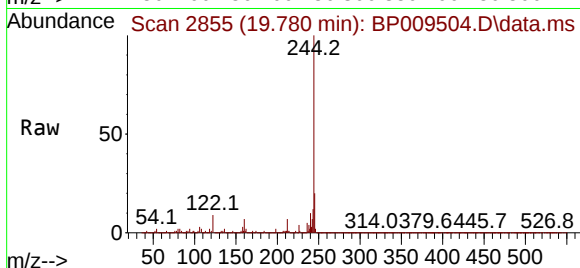
Acq: 23 Mar 2022 13:16

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 746793

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

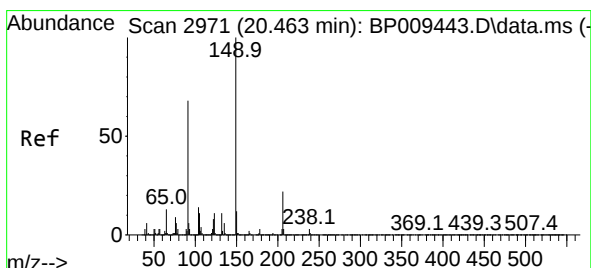
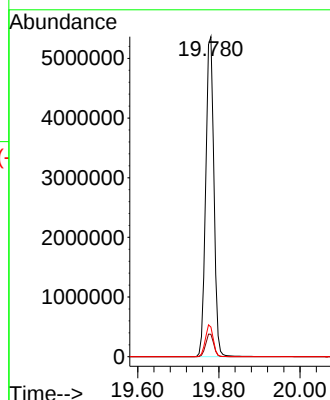
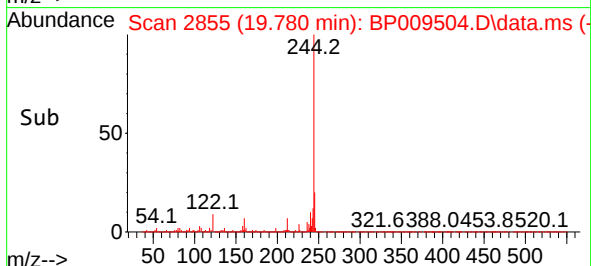
122 9.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#80

Butylbenzylphthalate

Concen: 3.351 ng

RT: 20.457 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

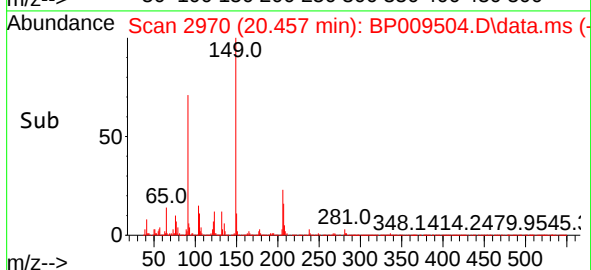
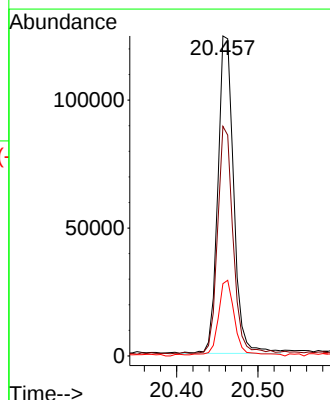
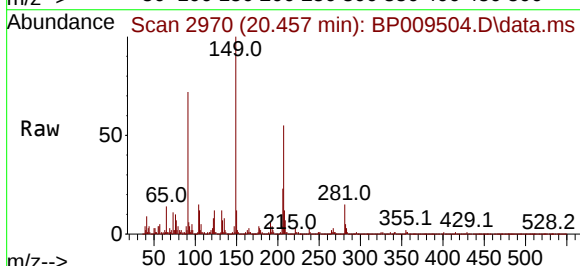
Tgt Ion:149 Resp: 168805

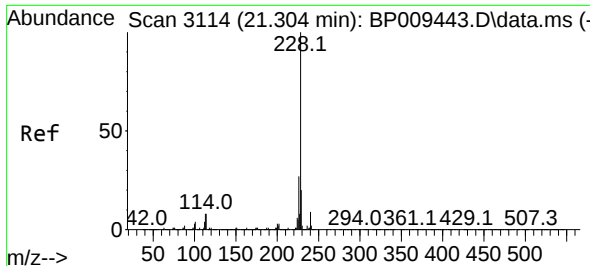
Ion Ratio Lower Upper

149 100

91 71.7 57.9 86.9

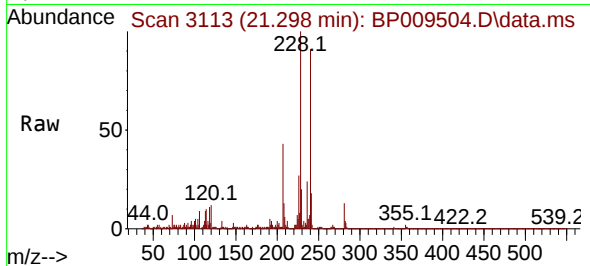
206 22.6 16.9 25.3





#81  
Benzo(a)anthracene  
Concen: 3.727 ng  
RT: 21.298 min Scan# 3114  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

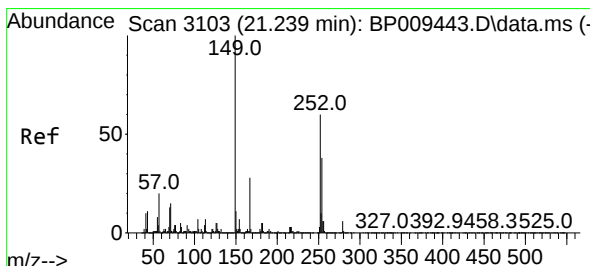
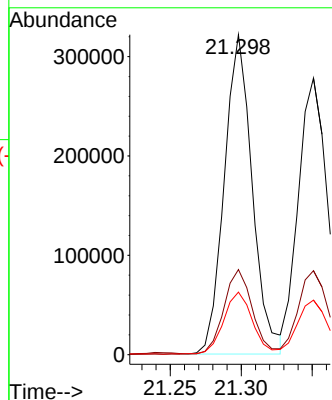
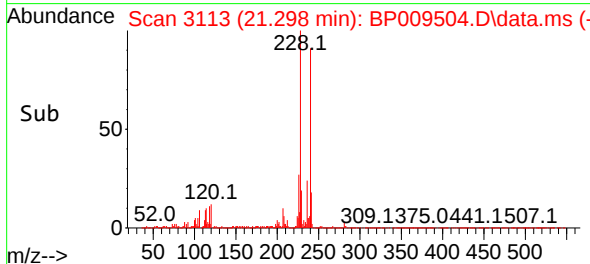
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022



Tgt Ion:228 Resp: 440319  
Ion Ratio Lower Upper  
228 100  
226 26.6 22.0 33.0  
229 19.5 16.1 24.1

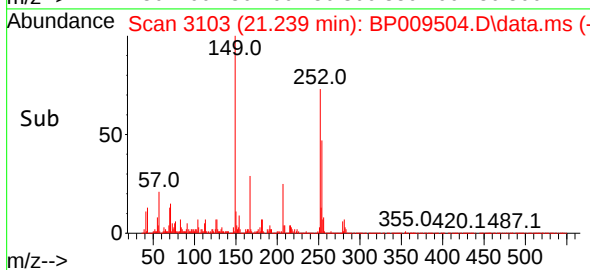
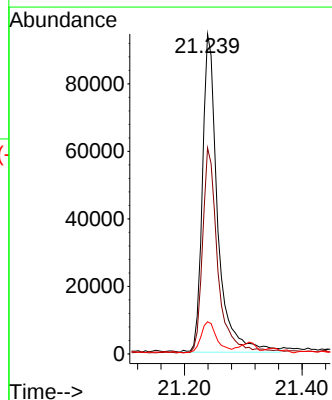
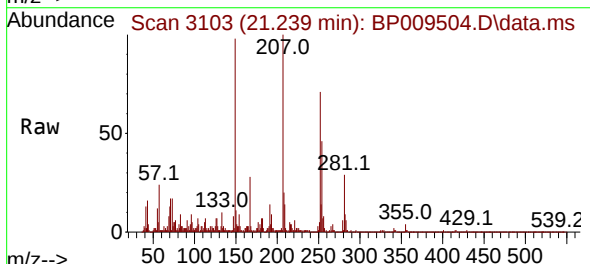
Manual Integrations  
APPROVED

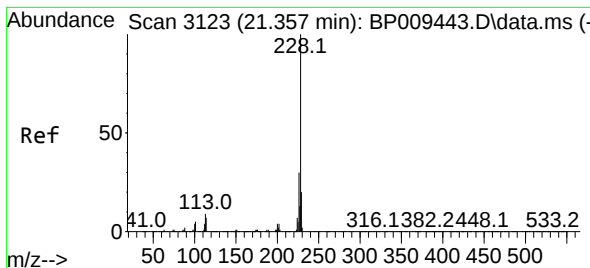
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#82  
3,3'-Dichlorobenzidine  
Concen: 3.722 ng  
RT: 21.239 min Scan# 3103  
Delta R.T. -0.000 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Tgt Ion:252 Resp: 169899  
Ion Ratio Lower Upper  
252 100  
254 64.4 50.7 76.1  
126 10.0 8.9 13.3





#83

Chrysene

Concen: 3.658 ng

RT: 21.351 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

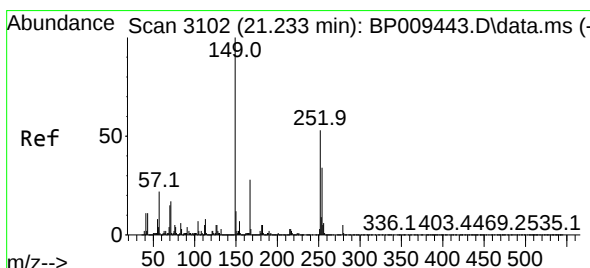
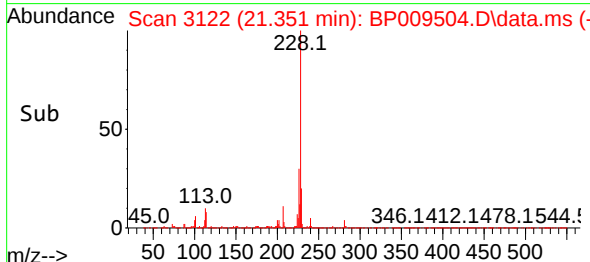
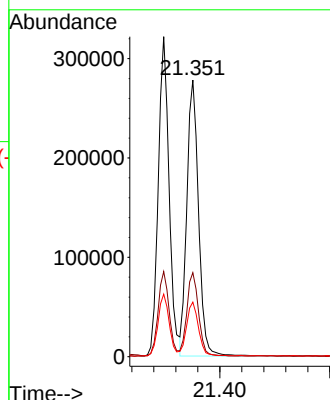
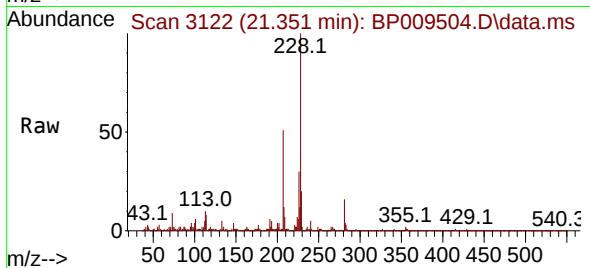
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 409260 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.4  | 24.2  | 36.2   |
| 229       | 19.7  | 16.1  | 24.1   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.845 ng

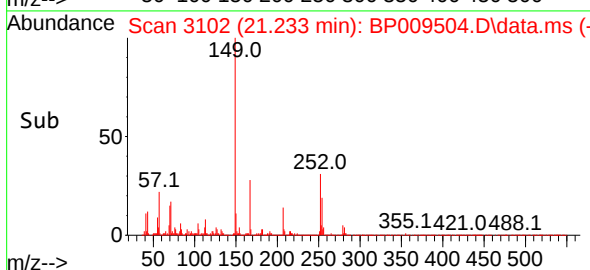
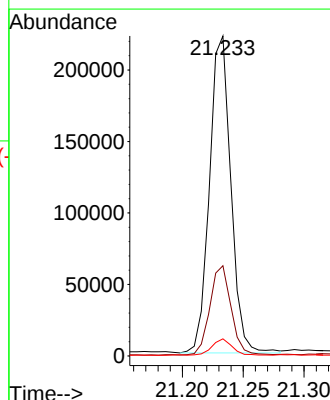
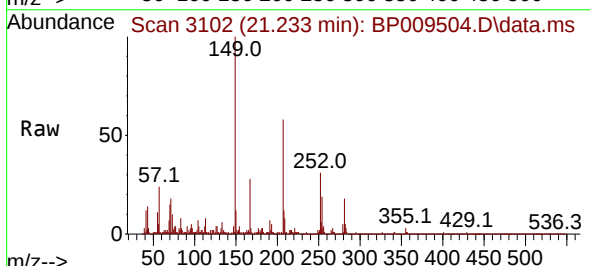
RT: 21.233 min Scan# 3102

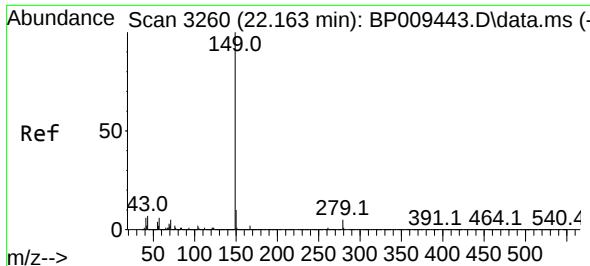
Delta R.T. -0.000 min

Lab File: BP009504.D

Acq: 23 Mar 2022 13:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 269948 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 28.2  | 22.6  | 33.8   |
| 279       | 5.4   | 3.8   | 5.6    |





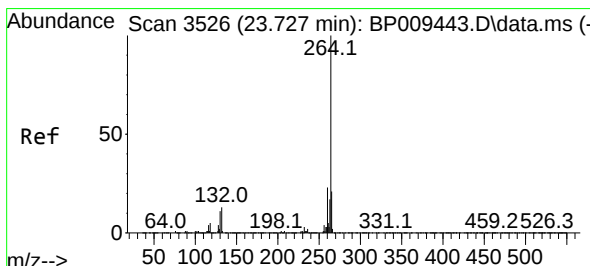
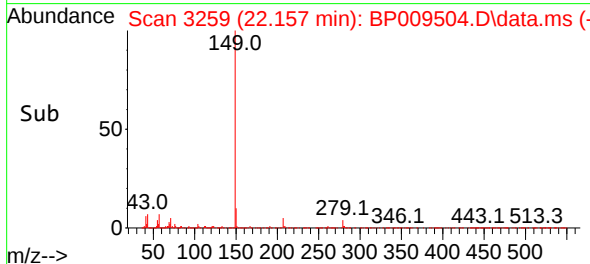
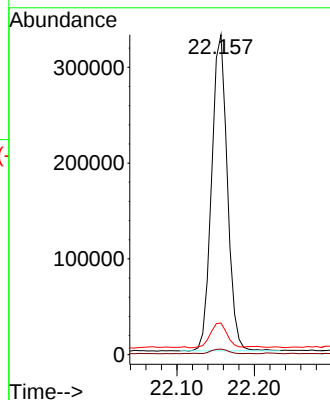
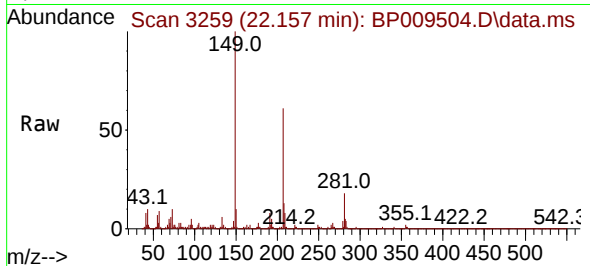
#85  
Di-n-octyl phthalate  
Concen: 3.851 ng  
RT: 22.157 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion:149 Resp: 466060  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.4 6.9 10.3

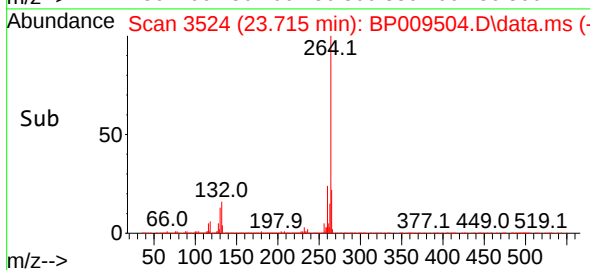
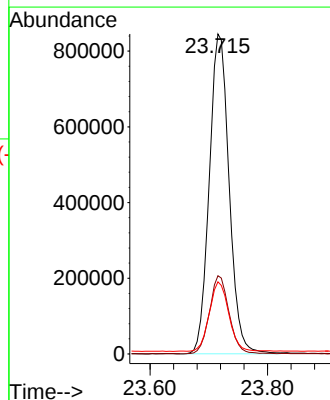
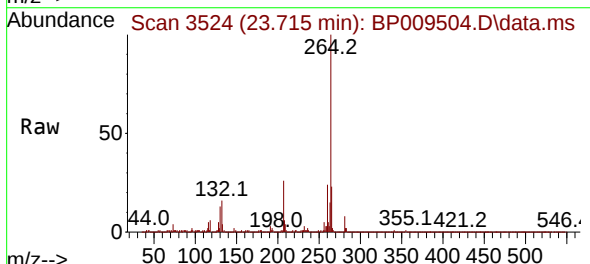
Manual Integrations  
APPROVED

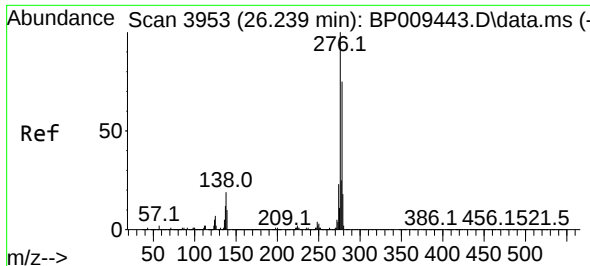
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.715 min Scan# 3524  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

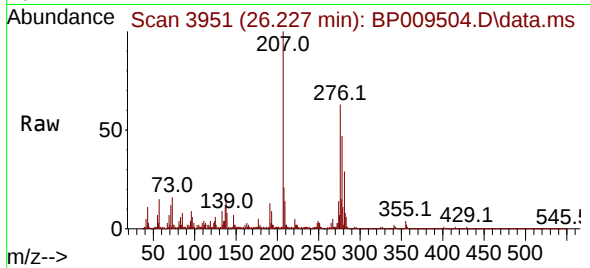
Tgt Ion:264 Resp: 1978280  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.4 29.0  
265 22.6 17.2 25.8





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.554 ng  
RT: 26.227 min Scan# 3951  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

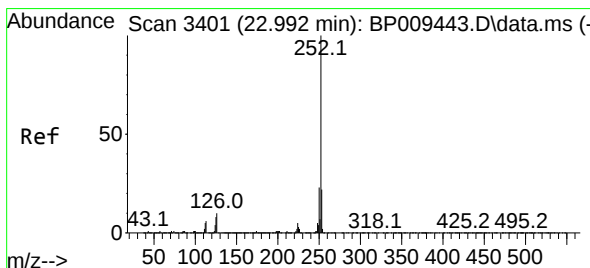
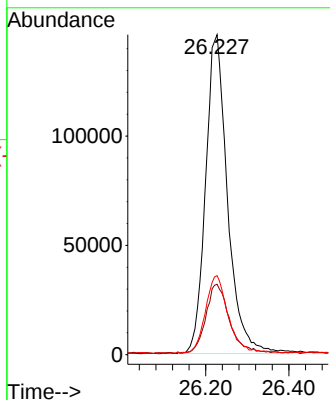
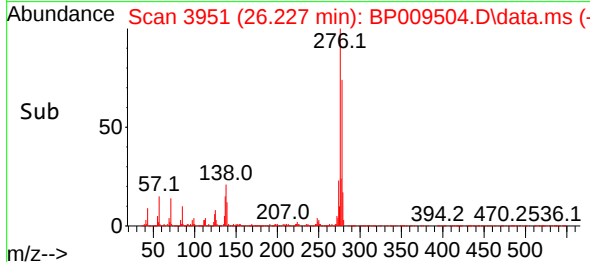
Instrument : BNA\_P  
ClientSampleId : MDL-SOIL-03-QT1-2022



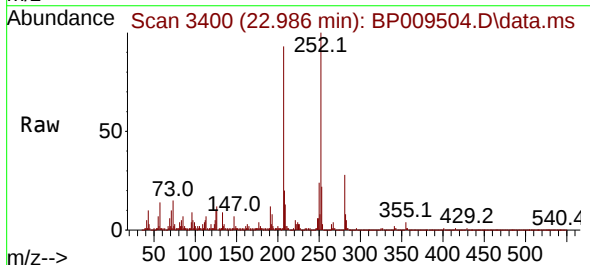
Tgt Ion: 276 Resp: 533479  
Ion Ratio Lower Upper  
276 100  
138 23.2 20.5 30.7  
277 24.4 20.4 30.6

Manual Integrations  
APPROVED

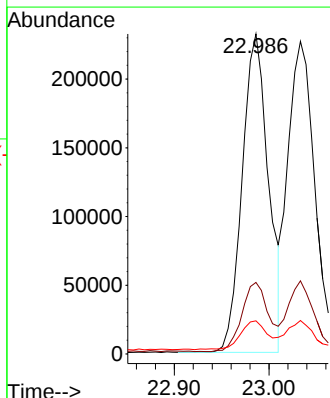
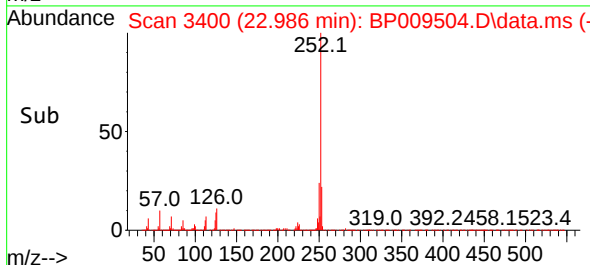
Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022

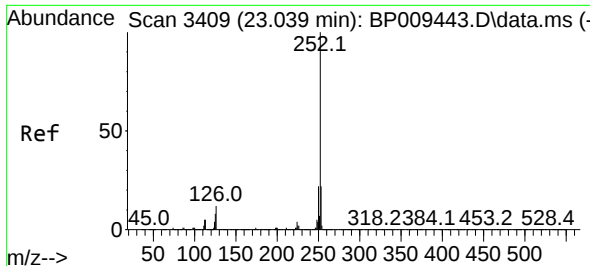


#88  
Benzo(b)fluoranthene  
Concen: 3.791 ng  
RT: 22.986 min Scan# 3400  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



Tgt Ion: 252 Resp: 447668  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.8 26.8  
125 10.3 8.1 12.1





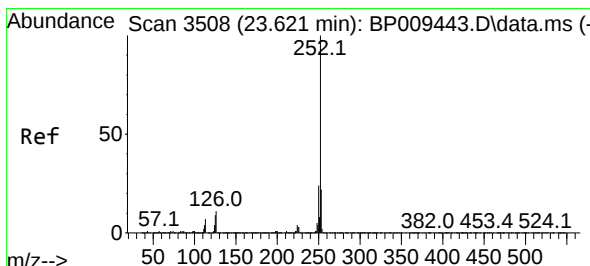
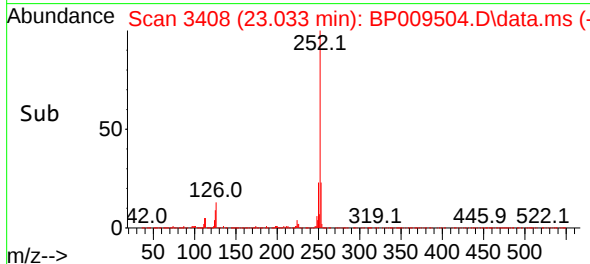
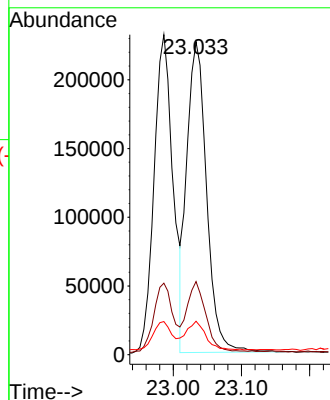
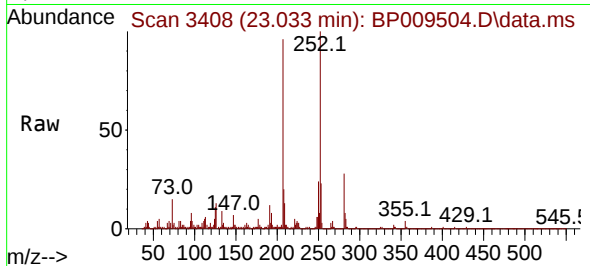
#89  
Benzo(k)fluoranthene  
Concen: 3.912 ng  
RT: 23.033 min Scan# 3409  
Delta R.T. -0.006 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Tgt Ion:252 Resp: 452390  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.5 26.3  
125 10.7 8.3 12.5

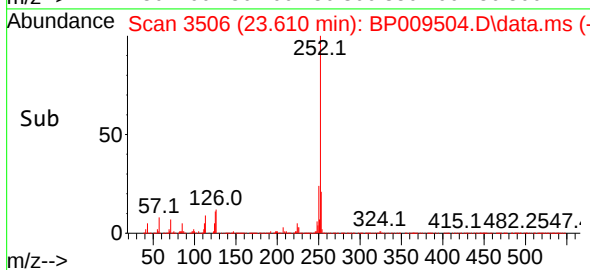
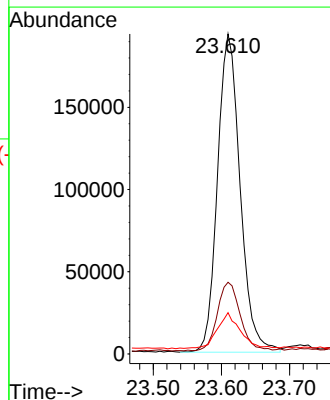
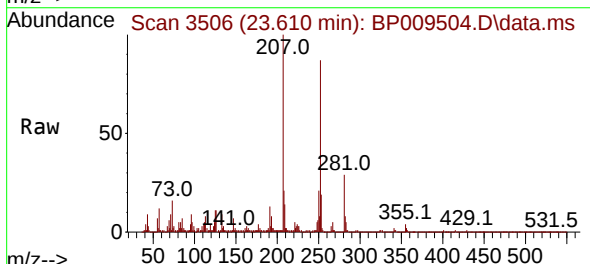
Manual Integrations  
APPROVED

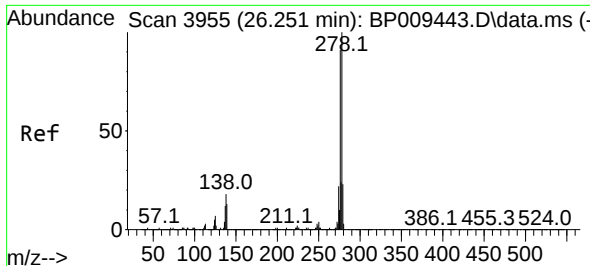
Reviewed By :Christian Giraldo 03/24/2022  
Supervised By :Jagrut Upadhyay 03/24/2022



#90  
Benzo(a)pyrene  
Concen: 4.423 ng  
RT: 23.610 min Scan# 3506  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

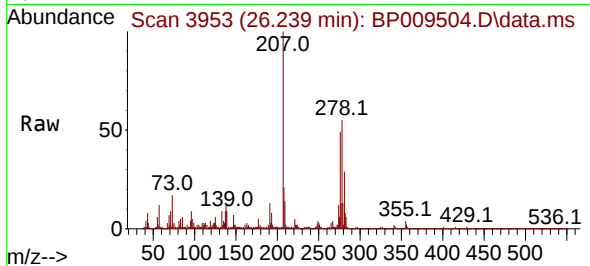
Tgt Ion:252 Resp: 446943  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.8 26.6  
125 12.9 9.3 13.9





#91  
Dibenzo(a,h)anthracene  
Concen: 3.749 ng  
RT: 26.239 min Scan# 3955  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16

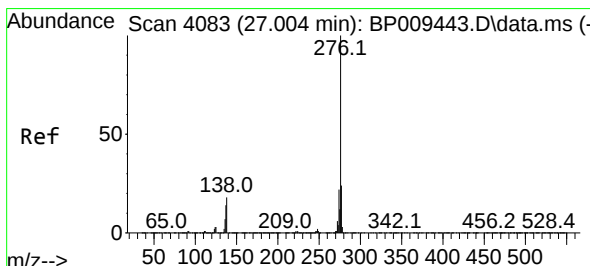
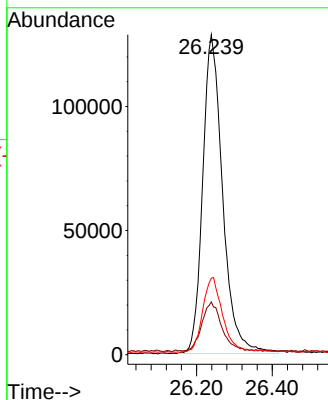
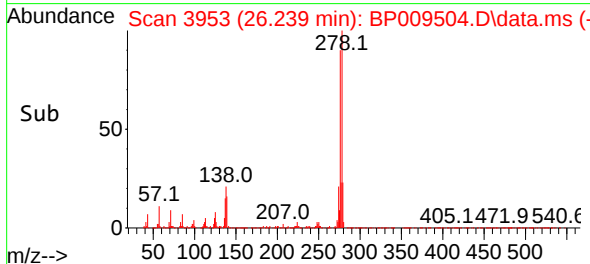
Instrument : BNA\_P  
ClientSampleId : MDL-SOIL-03-QT1-2022



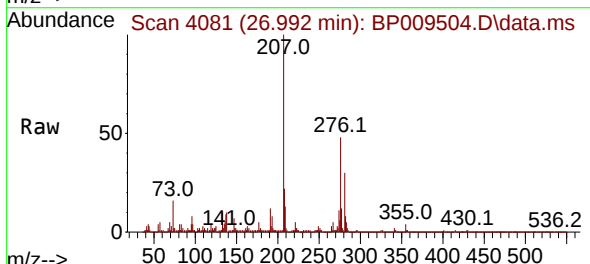
Tgt Ion: 278 Resp: 46889  
Ion Ratio Lower Upper  
278 100  
139 16.5 13.2 19.8  
279 23.9 19.2 28.8

Manual Integrations  
APPROVED

Reviewed By : Christian Giraldo 03/24/2022  
Supervised By : Jagrut Upadhyay 03/24/2022



#92  
Benzo(g,h,i)perylene  
Concen: 3.760 ng  
RT: 26.992 min Scan# 4081  
Delta R.T. -0.012 min  
Lab File: BP009504.D  
Acq: 23 Mar 2022 13:16



Tgt Ion: 276 Resp: 462663  
Ion Ratio Lower Upper  
276 100  
277 24.5 19.2 28.8  
138 20.0 18.0 27.0

