

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080421\  
 Data File : BP006490.D  
 Acq On : 04 Aug 2021 11:47  
 Operator : CG/JU  
 Sample : M2262-02  
 Misc : LOQ-SOIL-10ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

Quant Time: Aug 04 12:38:21 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 15:41:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.757  | 152  | 160619   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.540 | 136  | 695154   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.386 | 164  | 405381   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.139 | 188  | 807632   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.239 | 240  | 831494   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 23.568 | 264  | 856402   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.352  | 112  | 986284   | 94.315 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.928  | 99   | 1413829  | 95.176 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.910  | 82   | 790258   | 52.472 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.881 | 330  | 398270   | 94.005 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.010 | 172  | 1392189  | 51.381 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.716 | 244  | 2072734  | 49.950 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.305  | 88   | 38843    | 8.532  | ng    | 89       |
| 3) Pyridine                   | 3.699  | 79   | 123841   | 9.255  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.611  | 42   | 54548    | 10.801 | ng    | # 91     |
| 6) Aniline                    | 7.093  | 93   | 188120   | 11.658 | ng    | 94       |
| 8) 2-Chlorophenol             | 7.322  | 128  | 114208   | 10.094 | ng    | 90       |
| 9) Benzaldehyde               | 6.905  | 77   | 99923    | 11.176 | ng    | 87       |
| 10) Phenol                    | 6.957  | 94   | 154442   | 10.368 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.193  | 93   | 118525   | 10.479 | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 7.646  | 146  | 120608   | 10.228 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.793  | 146  | 123026   | 10.279 | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.104  | 146  | 120851   | 10.523 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.999  | 79   | 112745   | 10.121 | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293  | 45   | 145028   | 10.776 | ng    | 94       |
| 17) 2-Methylphenol            | 8.199  | 107  | 96223    | 10.230 | ng    | 97       |
| 18) Hexachloroethane          | 8.822  | 117  | 49350    | 10.418 | ng    | # 87     |
| 19) n-Nitroso-di-n-propyla... | 8.563  | 70   | 104221   | 10.457 | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.522  | 107  | 126904   | 9.913  | ng    | 95       |
| 22) Acetophenone              | 8.575  | 105  | 156887   | 8.510  | ng    | # 96     |
| 24) Nitrobenzene              | 8.951  | 77   | 157073   | 10.033 | ng    | # 88     |
| 25) Isophorone                | 9.481  | 82   | 251131   | 9.284  | ng    | # 93     |
| 26) 2-Nitrophenol             | 9.663  | 139  | 50369    | 8.841  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 9.722  | 122  | 104843   | 10.989 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 9.969  | 93   | 159032   | 10.988 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.187 | 162  | 86396    | 8.944  | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.404 | 180  | 103175   | 9.940  | ng    | 96       |
| 31) Naphthalene               | 10.587 | 128  | 375265   | 10.046 | ng    | 100      |
| 32) Benzoic acid              | 9.804  | 122  | 67149    | 9.098  | ng    | 93       |
| 33) 4-Chloroaniline           | 10.704 | 127  | 154616   | 10.229 | ng    | # 93     |
| 34) Hexachlorobutadiene       | 10.875 | 225  | 59237    | 9.794  | ng    | 98       |
| 35) Caprolactam               | 11.487 | 113  | 25481    | 7.316  | ng    | # 75     |
| 36) 4-Chloro-3-methylphenol   | 11.828 | 107  | 112180   | 9.141  | ng    | 91       |
| 37) 2-Methylnaphthalene       | 12.204 | 142  | 251582   | 9.939  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.422 | 142  | 235950   | 9.809  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.569 | 216  | 86423    | 8.145  | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 12.551 | 237  | 70216    | 12.478 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 12.816 | 196  | 63658    | 8.787  | ng    | 97       |

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 Sample : M2262-02  
 Misc : LOQ-SOIL-10ppm  
 ALS Vial : 4 Sample Multiplier: 1

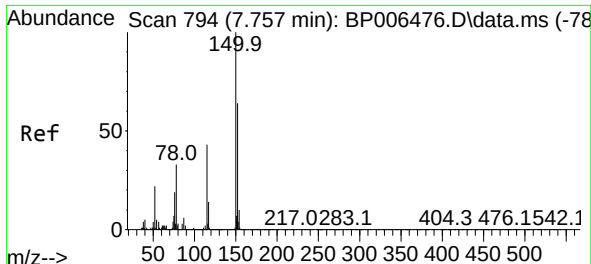
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

Quant Time: Aug 04 12:38:21 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 15:41:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.881 | 196  | 70568    | 8.800  | ng    | # 88     |
| 46) 1,1'-Biphenyl             | 13.222 | 154  | 258220   | 8.416  | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.257 | 162  | 235070   | 9.948  | ng    | 93       |
| 48) 2-Nitroaniline            | 13.469 | 65   | 75338    | 9.035  | ng    | # 82     |
| 49) Acenaphthylene            | 14.110 | 152  | 385511   | 10.118 | ng    | 98       |
| 50) Dimethylphthalate         | 13.851 | 163  | 298418   | 10.113 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.969 | 165  | 58070    | 8.819  | ng    | # 69     |
| 52) Acenaphthene              | 14.451 | 154  | 230350   | 9.934  | ng    | 97       |
| 53) 3-Nitroaniline            | 14.298 | 138  | 67794    | 9.287  | ng    | 82       |
| 54) 2,4-Dinitrophenol         | 14.504 | 184  | 34879    | 10.129 | ng    | # 80     |
| 55) Dibenzofuran              | 14.786 | 168  | 363271   | 9.960  | ng    | 93       |
| 56) 4-Nitrophenol             | 14.604 | 139  | 56178    | 8.863  | ng    | # 85     |
| 57) 2,4-Dinitrotoluene        | 14.757 | 165  | 76294    | 8.640  | ng    | # 76     |
| 58) Fluorene                  | 15.439 | 166  | 286336   | 9.822  | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.010 | 232  | 61951    | 9.218  | ng    | # 70     |
| 60) Diethylphthalate          | 15.222 | 149  | 305999   | 9.873  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204  | 131251   | 9.942  | ng    | # 86     |
| 62) 4-Nitroaniline            | 15.463 | 138  | 69586    | 8.984  | ng    | 90       |
| 63) Azobenzene                | 15.733 | 77   | 351119   | 9.717  | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 198  | 33888    | 6.867  | ng    | # 67     |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 245521   | 9.672  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.333 | 248  | 74084    | 9.560  | ng    | # 85     |
| 68) Hexachlorobenzene         | 16.439 | 284  | 87614    | 9.935  | ng    | # 88     |
| 69) Atrazine                  | 16.610 | 200  | 62835    | 7.932  | ng    | 94       |
| 70) Pentachlorophenol         | 16.786 | 266  | 48936    | 8.746  | ng    | 99       |
| 71) Phenanthrene              | 17.180 | 178  | 462523   | 10.153 | ng    | 100      |
| 72) Anthracene                | 17.275 | 178  | 446203   | 10.137 | ng    | 99       |
| 73) Carbazole                 | 17.551 | 167  | 426477   | 9.498  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.116 | 149  | 475550   | 9.296  | ng    | 99       |
| 75) Fluoranthene              | 19.157 | 202  | 507513   | 9.926  | ng    | 94       |
| 77) Benzidine                 | 19.345 | 184  | 190825   | 9.171  | ng    | 100      |
| 78) Pyrene                    | 19.510 | 202  | 535062   | 9.634  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.404 | 149  | 204361   | 8.368  | ng    | 89       |
| 81) Benzo(a)anthracene        | 21.221 | 228  | 522544   | 9.616  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.163 | 252  | 135984   | 9.532  | ng    | # 96     |
| 83) Chrysene                  | 21.274 | 228  | 514175   | 9.760  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.168 | 149  | 310802   | 8.469  | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 22.074 | 149  | 506583   | 8.374  | ng    | # 92     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.968 | 276  | 609594   | 9.817  | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 22.857 | 252  | 526828   | 9.465  | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 22.904 | 252  | 535964   | 10.029 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 23.462 | 252  | 498994   | 9.995  | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 25.986 | 278  | 529194   | 9.856  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 26.703 | 276  | 509463   | 9.902  | ng    | # 88     |

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

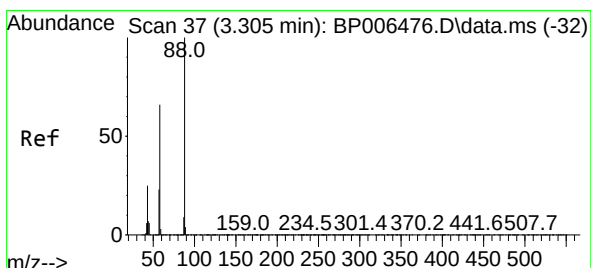
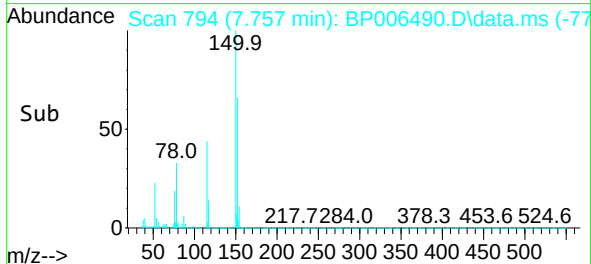
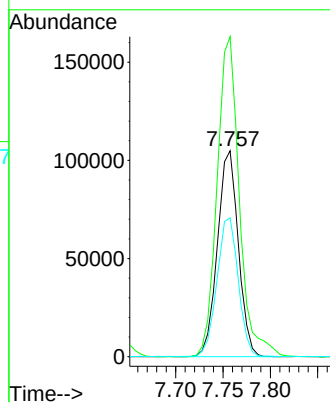
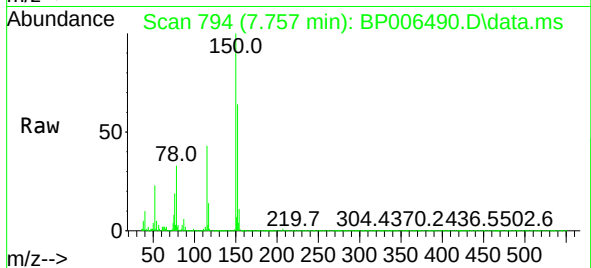




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.757 min Scan# 794  
Delta R.T. 0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

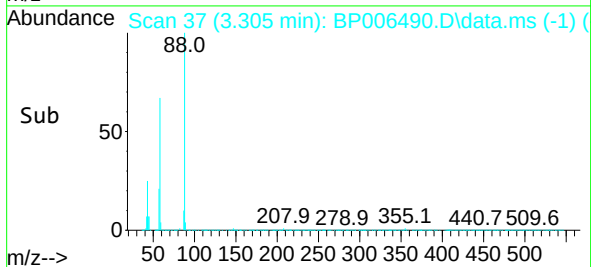
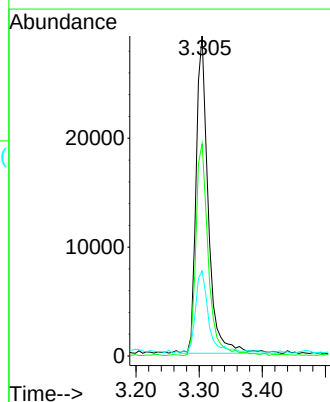
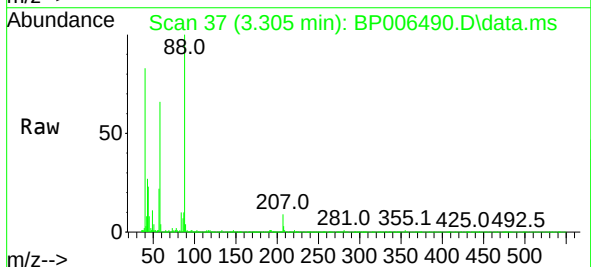
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

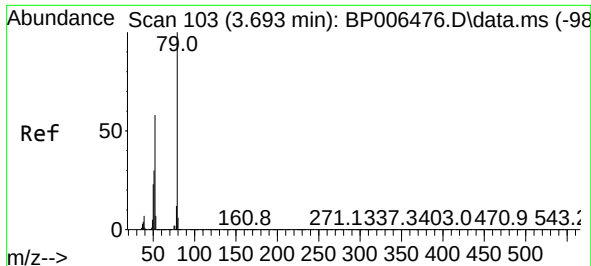
Tgt Ion:152 Resp: 160619  
Ion Ratio Lower Upper  
152 100  
150 155.4 125.6 188.4  
115 67.4 48.5 72.7



#2  
1,4-Dioxane  
Concen: 8.532 ng  
RT: 3.305 min Scan# 37  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 88 Resp: 38843  
Ion Ratio Lower Upper  
88 100  
58 69.1 46.7 70.1  
43 26.9 20.3 30.5

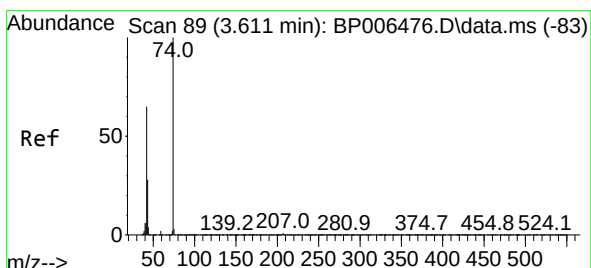
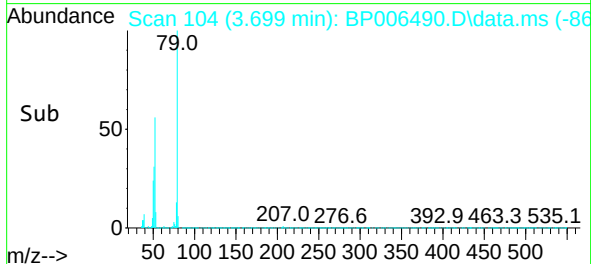
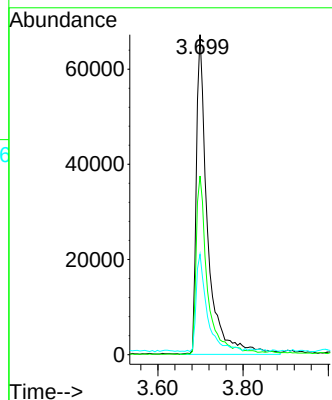
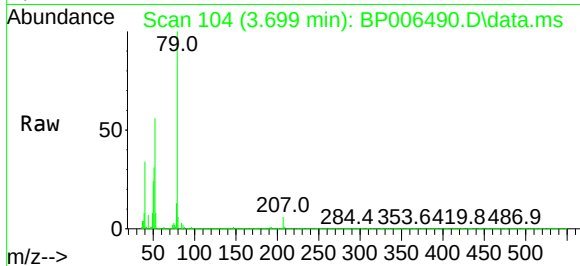




#3  
Pyridine  
Concen: 9.255 ng  
RT: 3.699 min Scan# 104  
Delta R.T. 0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

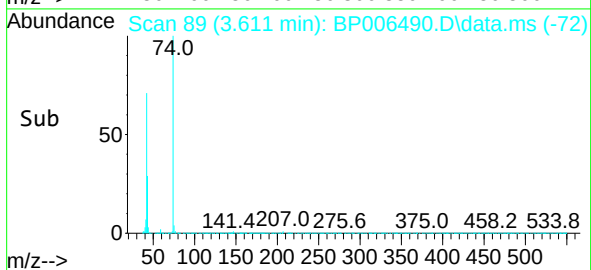
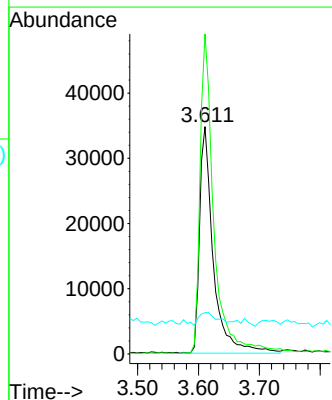
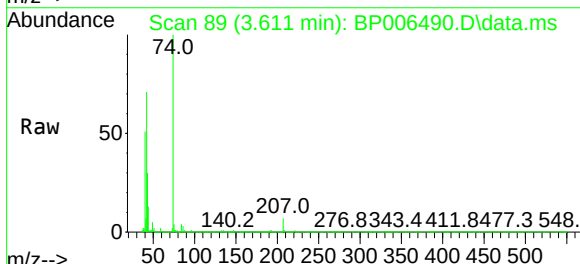
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

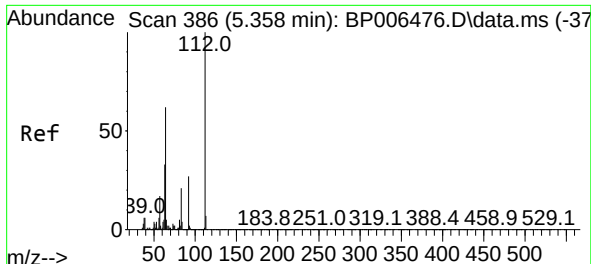
Tgt Ion: 79 Resp: 123841  
Ion Ratio Lower Upper  
79 100  
52 55.8 41.7 62.5  
51 31.4 24.1 36.1



#4  
n-Nitrosodimethylamine  
Concen: 10.801 ng  
RT: 3.611 min Scan# 89  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 42 Resp: 54548  
Ion Ratio Lower Upper  
42 100  
74 140.8 105.4 158.0  
44 18.1 4.2 6.4

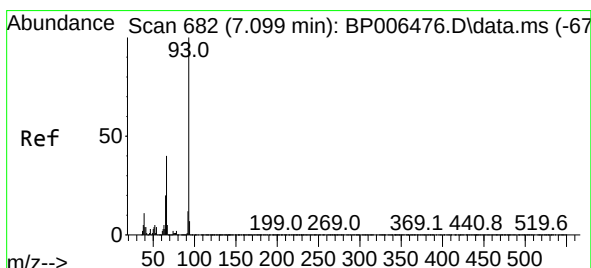
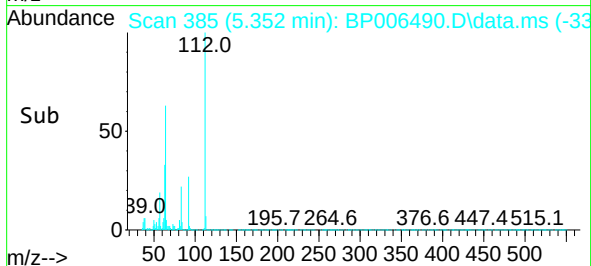
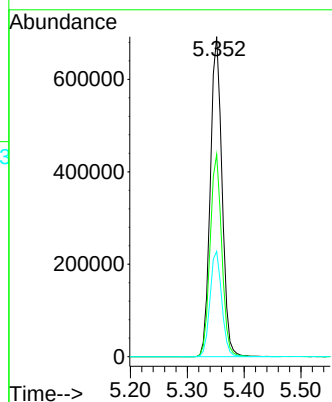
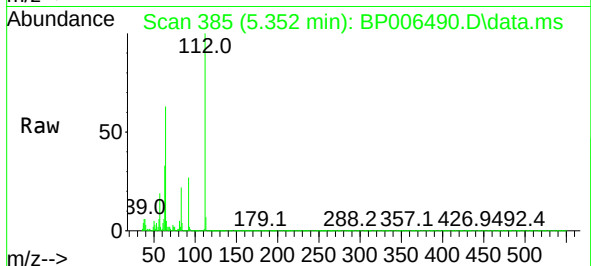




#5  
2-Fluorophenol  
Concen: 94.315 ng  
RT: 5.352 min Scan# 385  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

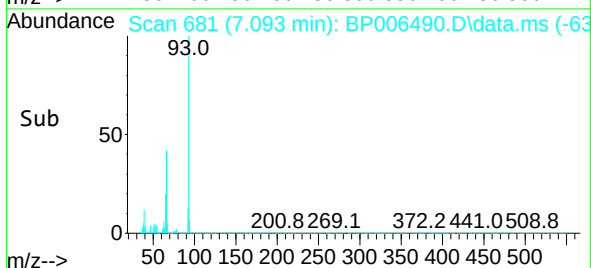
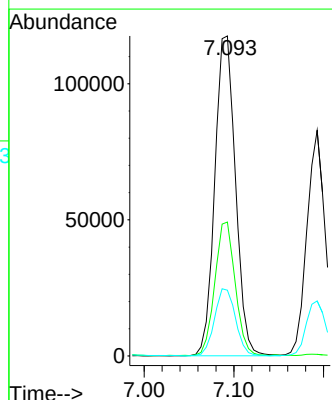
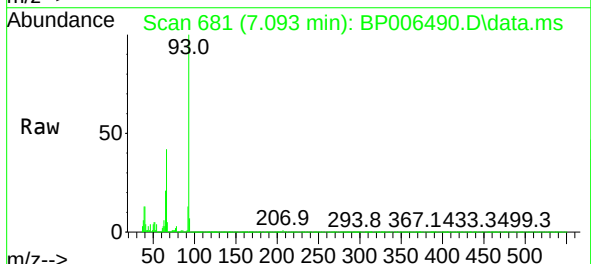
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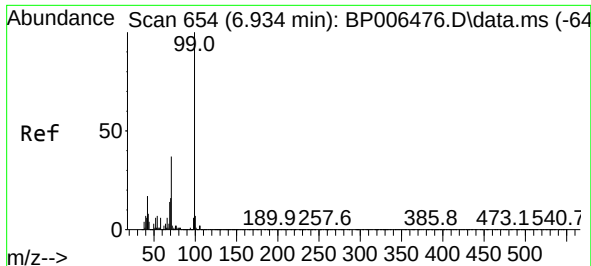
Tgt Ion:112 Resp: 986284  
Ion Ratio Lower Upper  
112 100  
64 63.2 41.4 62.2#  
63 32.9 23.8 35.8



#6  
Aniline  
Concen: 11.658 ng  
RT: 7.093 min Scan# 681  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 93 Resp: 188120  
Ion Ratio Lower Upper  
93 100  
66 41.8 29.7 44.5  
65 20.5 15.3 22.9



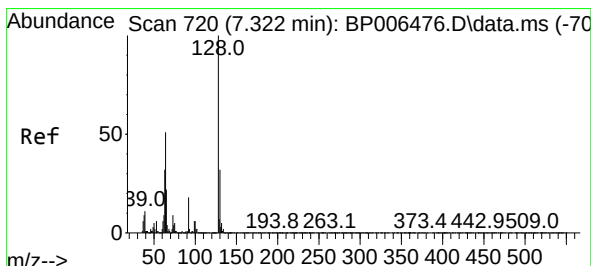
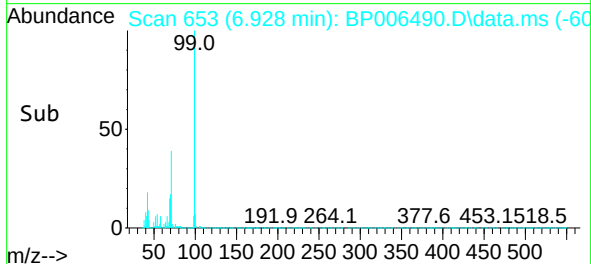
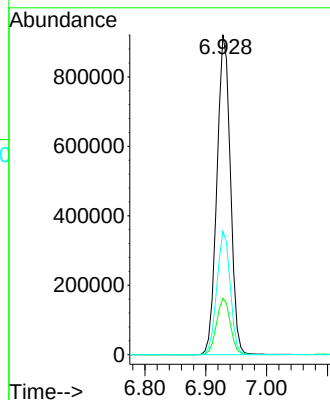
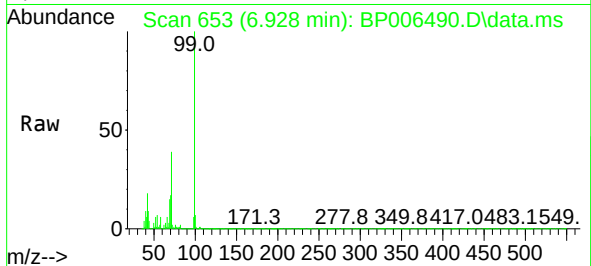


#7  
Phenol-d6  
Concen: 95.176 ng  
RT: 6.928 min Scan# 653  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

Tgt Ion: 99 Resp: 1413829

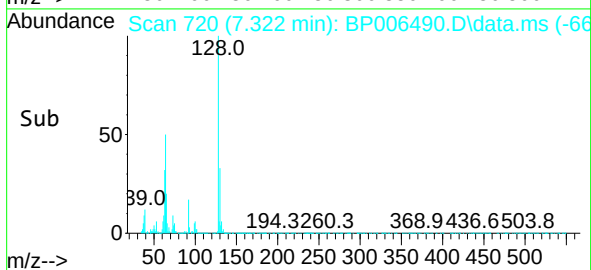
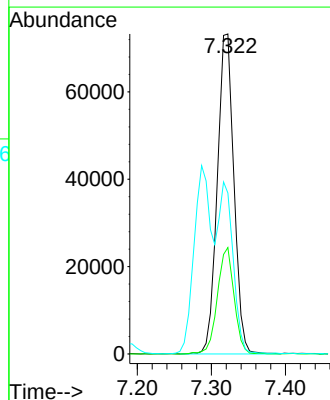
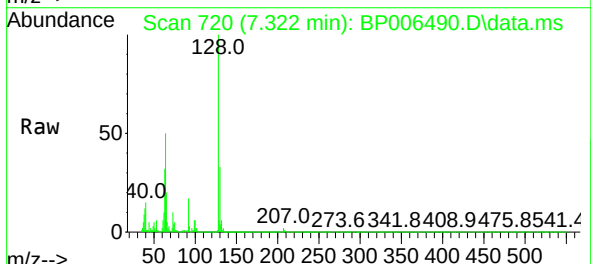
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|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 13.4  | 20.0  |
| 71  | 38.6  | 30.6  | 46.0  |

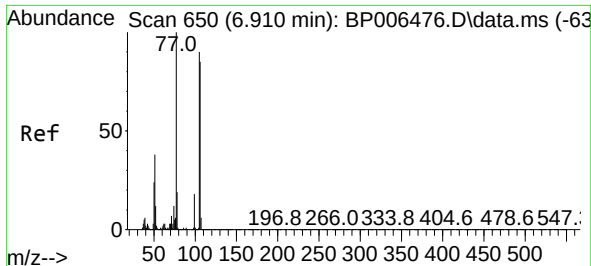


#8  
2-Chlorophenol  
Concen: 10.094 ng  
RT: 7.322 min Scan# 720  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 128 Resp: 114208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.3  | 12.4  | 52.4  |
| 64  | 50.3  | 20.3  | 60.3  |

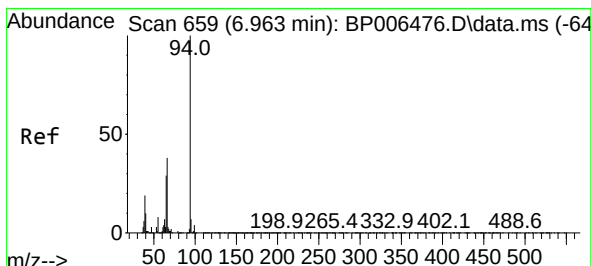
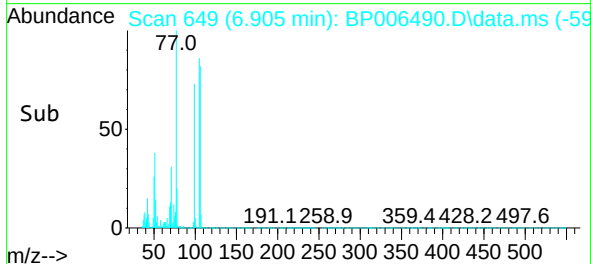
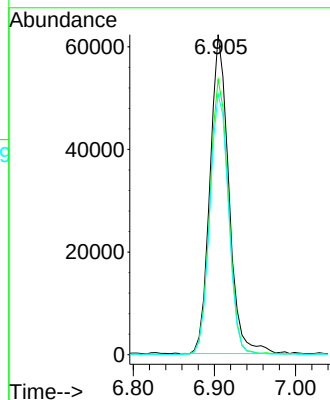
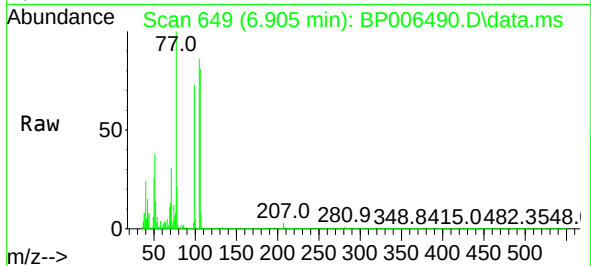




#9  
Benzaldehyde  
Concen: 11.176 ng  
RT: 6.905 min Scan# 649  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

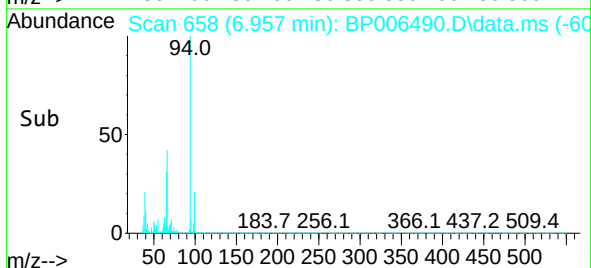
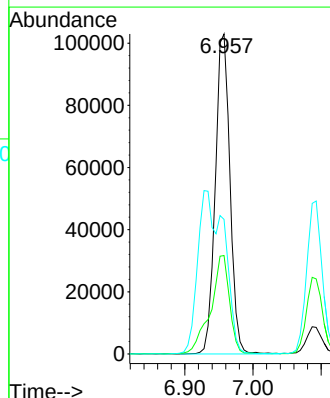
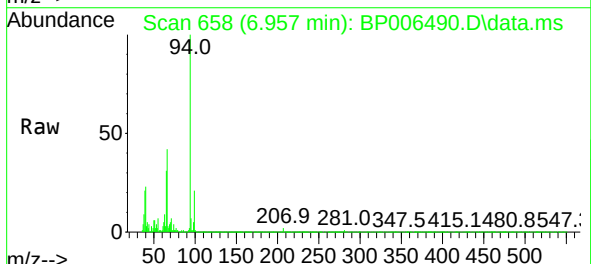
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

Tgt Ion: 77 Resp: 99923  
Ion Ratio Lower Upper  
77 100  
105 86.1 76.7 116.7  
106 81.5 76.2 116.2

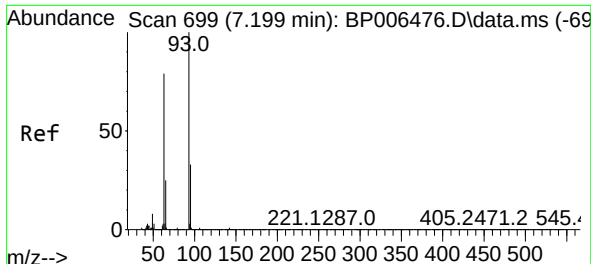


#10  
Phenol  
Concen: 10.368 ng  
RT: 6.957 min Scan# 658  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 94 Resp: 154442  
Ion Ratio Lower Upper  
94 100  
65 30.8 8.8 48.8  
66 42.0 20.7 60.7







#11

bis(2-Chloroethyl)ether

Concen: 10.479 ng

RT: 7.193 min Scan# 698

Delta R.T. -0.006 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

Instrument :

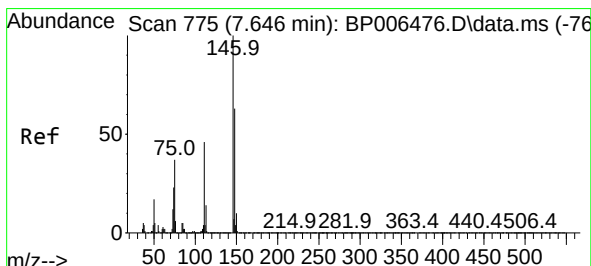
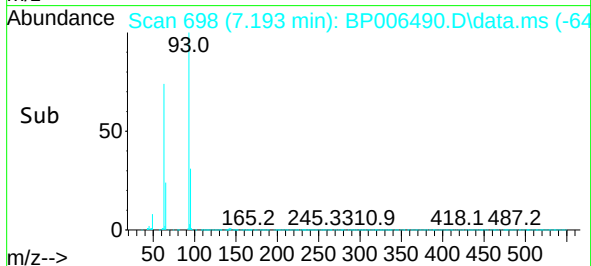
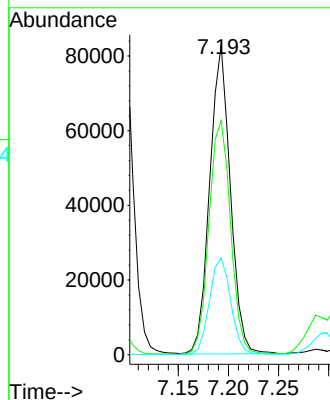
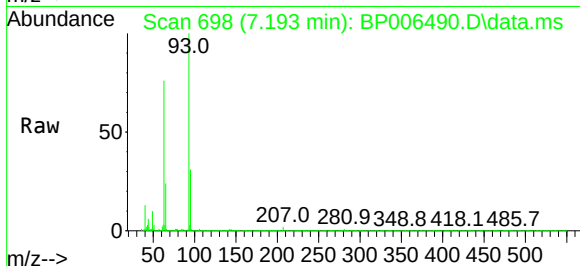
BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

Tgt Ion: 93 Resp: 118525

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 75.7  | 46.2  | 86.2  |
| 95  | 31.2  | 12.2  | 52.2  |



#12

1,3-Dichlorobenzene

Concen: 10.228 ng

RT: 7.646 min Scan# 775

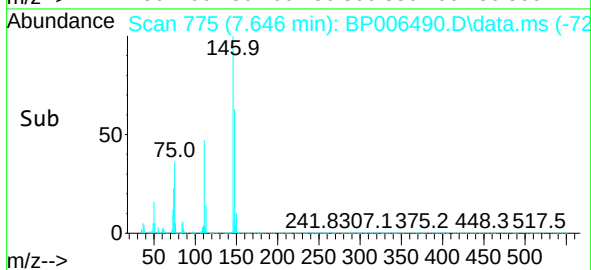
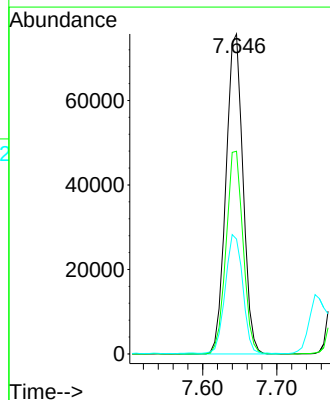
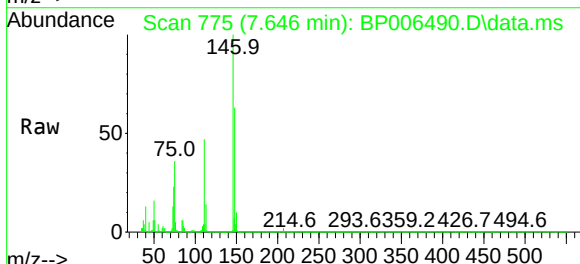
Delta R.T. -0.000 min

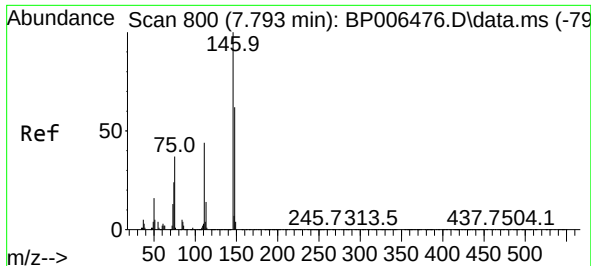
Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

Tgt Ion: 146 Resp: 120608

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.4  | 51.5  | 77.3  |
| 75  | 35.9  | 25.7  | 38.5  |

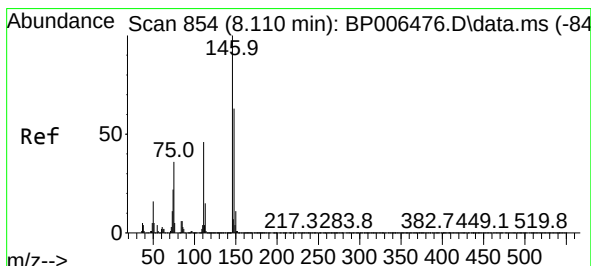
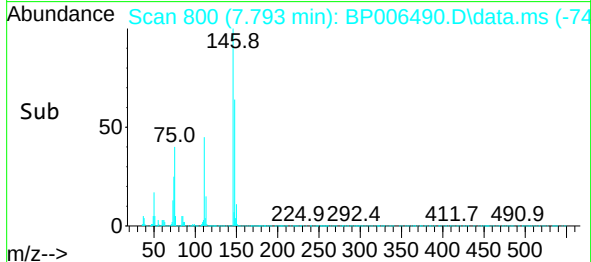
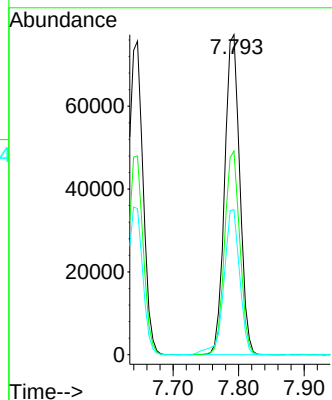
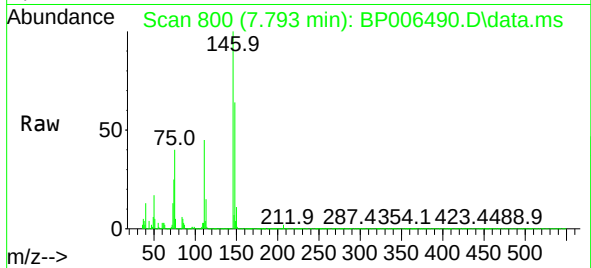




#13  
1,4-Dichlorobenzene  
Concen: 10.279 ng  
RT: 7.793 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

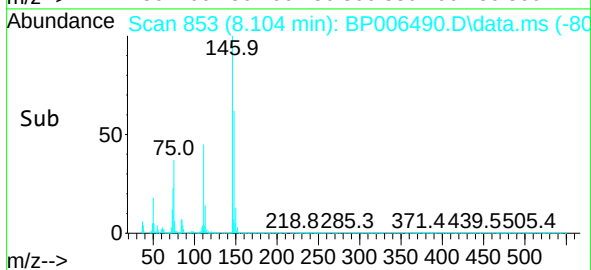
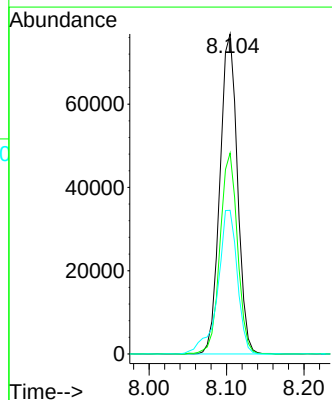
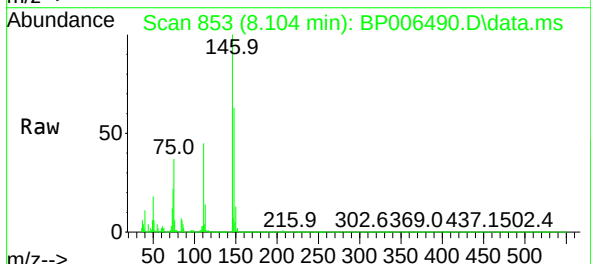
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

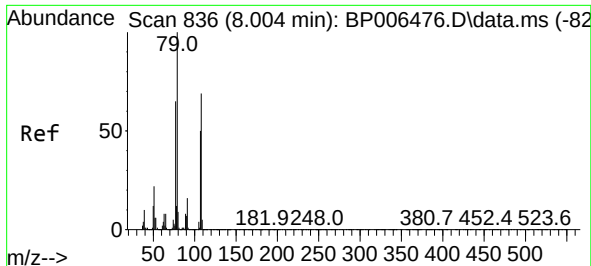
Tgt Ion:146 Resp: 123026  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.3 76.9  
111 45.3 33.0 49.6



#14  
1,2-Dichlorobenzene  
Concen: 10.523 ng  
RT: 8.104 min Scan# 853  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:146 Resp: 120851  
Ion Ratio Lower Upper  
146 100  
148 62.8 50.3 75.5  
111 44.9 33.7 50.5

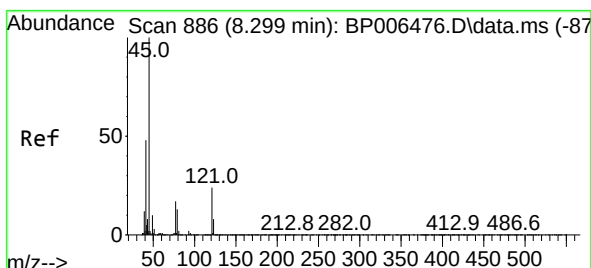
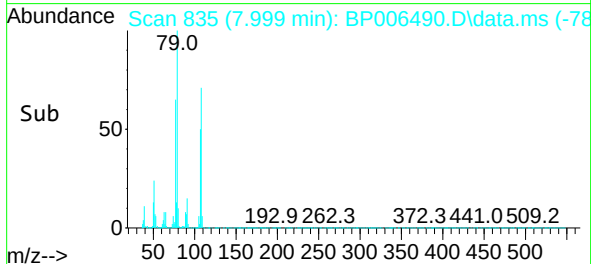
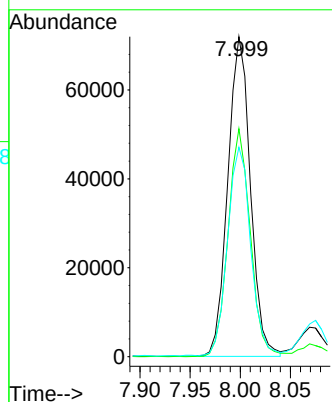
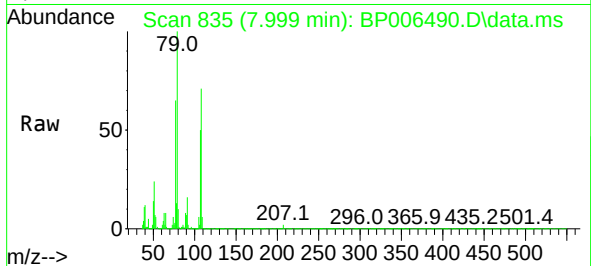




#15  
Benzyl Alcohol  
Concen: 10.121 ng  
RT: 7.999 min Scan# 835  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

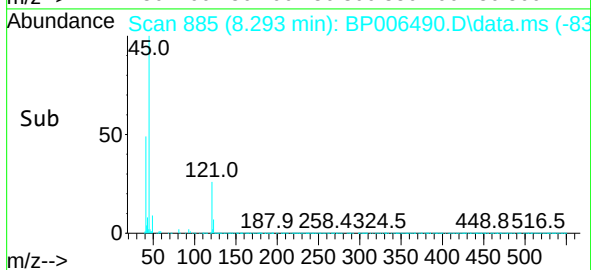
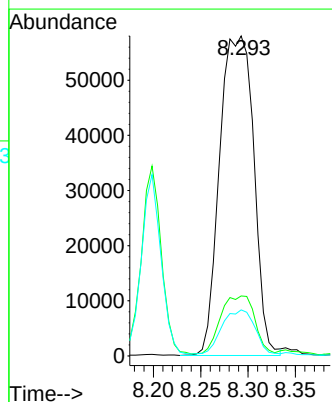
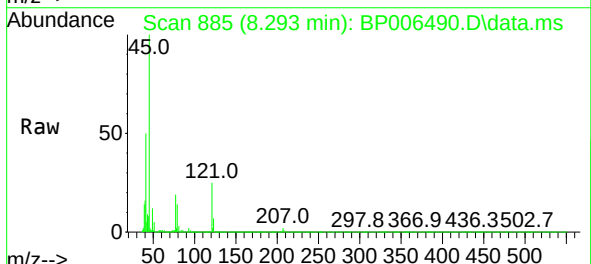
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

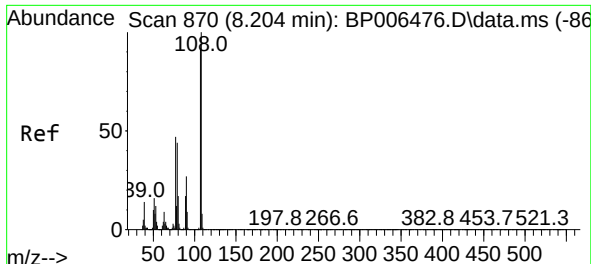
Tgt Ion: 79 Resp: 112745  
Ion Ratio Lower Upper  
79 100  
108 71.3 62.5 93.7  
77 65.4 52.9 79.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 10.776 ng  
RT: 8.293 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 45 Resp: 145028  
Ion Ratio Lower Upper  
45 100  
77 18.7 2.0 42.0  
79 14.4 0.0 36.7

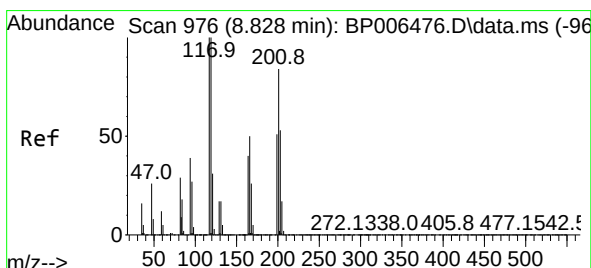
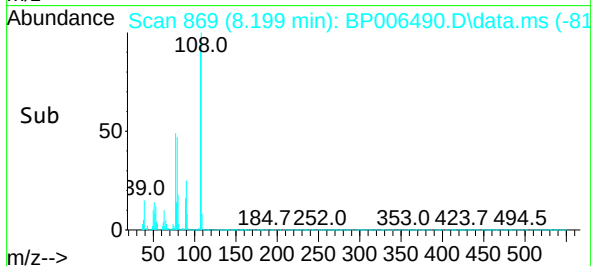
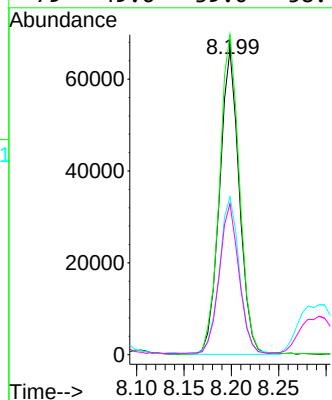
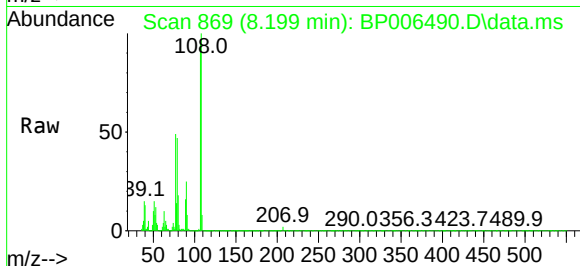




#17  
2-Methylphenol  
Concen: 10.230 ng  
RT: 8.199 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

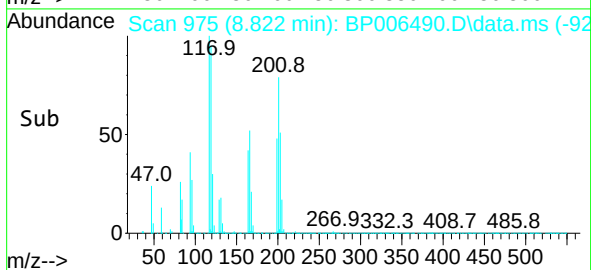
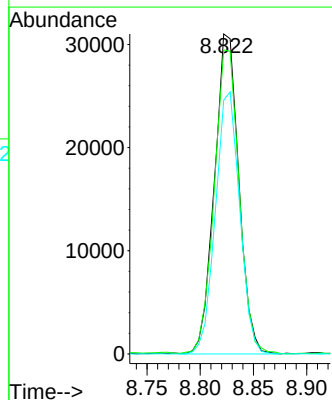
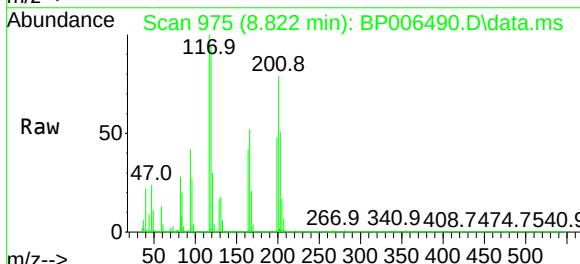
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

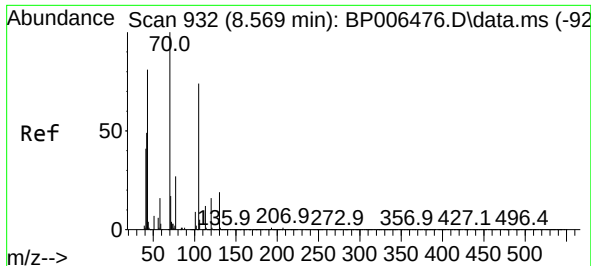
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 96223 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 105.0 | 87.7  | 131.5 |
| 77       | 51.9  | 40.2  | 60.2  |
| 79       | 49.6  | 39.0  | 58.4  |



#18  
Hexachloroethane  
Concen: 10.418 ng  
RT: 8.822 min Scan# 975  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 49350  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.0  | 76.2  | 114.2  |
| 201      | 79.3  | 83.4  | 125.0# |



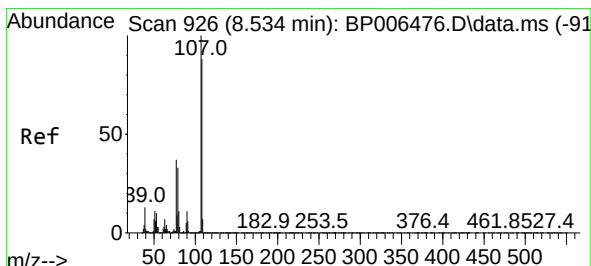
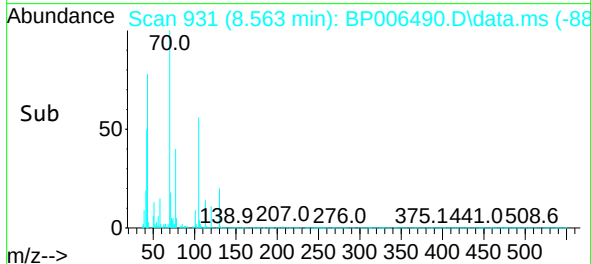
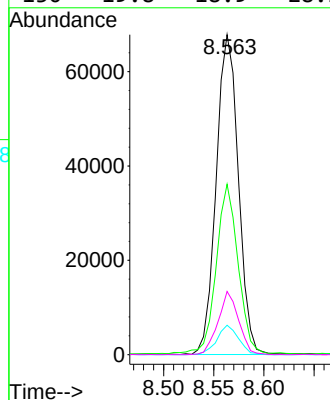
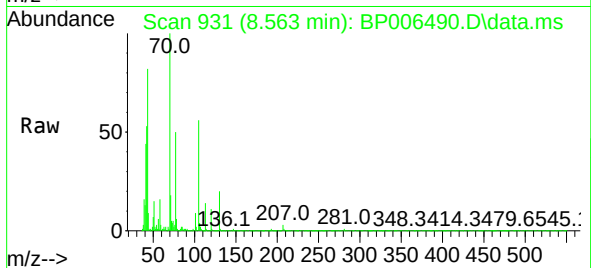


#19

n-Nitroso-di-n-propylamine  
 Concen: 10.457 ng  
 RT: 8.563 min Scan# 931  
 Delta R.T. -0.006 min  
 Lab File: BP006490.D  
 Acq: 04 Aug 2021 11:47

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

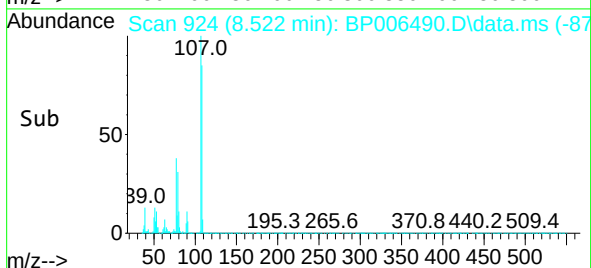
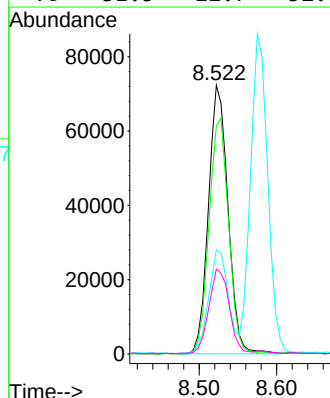
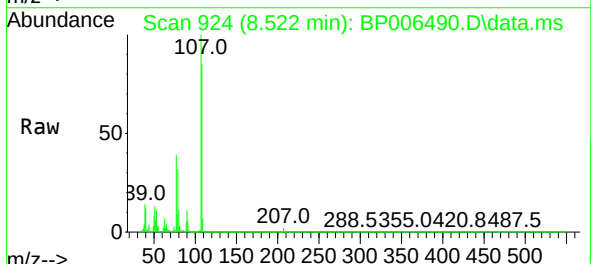
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 104221 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 53.2  | 40.8  | 61.2   |
| 101      | 9.2   | 8.8   | 13.2   |
| 130      | 19.8  | 18.9  | 28.3   |

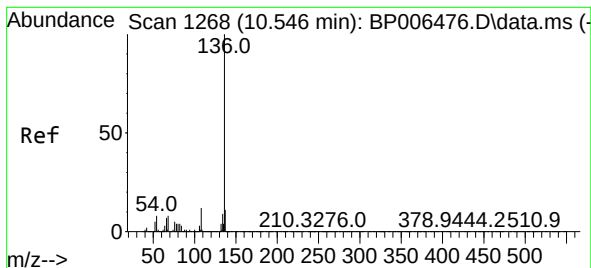


#20

3+4-Methylphenols  
 Concen: 9.913 ng  
 RT: 8.522 min Scan# 924  
 Delta R.T. -0.012 min  
 Lab File: BP006490.D  
 Acq: 04 Aug 2021 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 126904 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.0  | 71.0  | 111.0  |
| 77       | 38.6  | 16.6  | 56.6   |
| 79       | 31.5  | 12.7  | 52.7   |

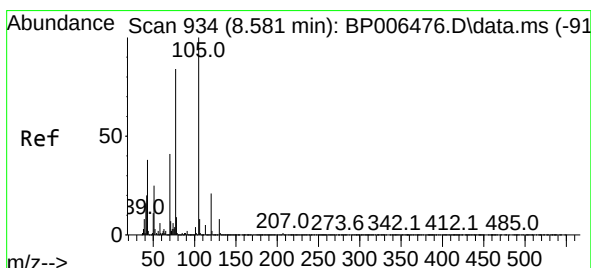
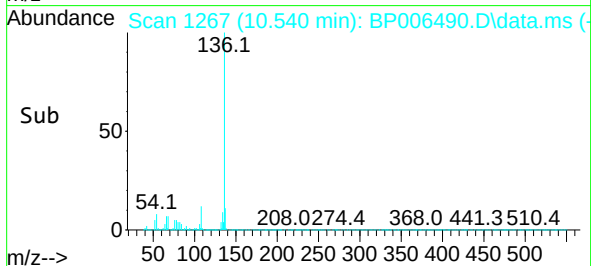
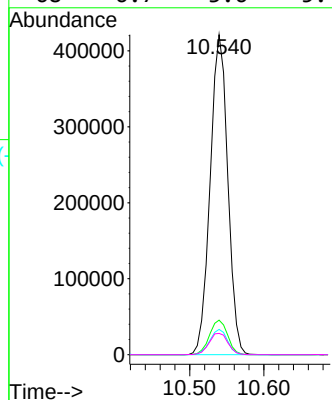
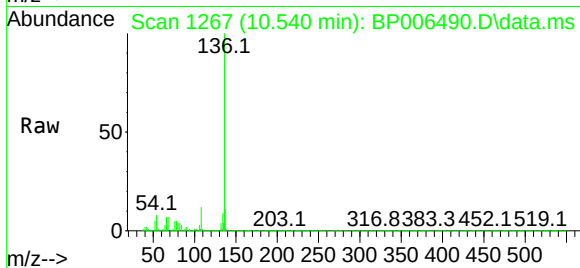




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.540 min Scan# 1267  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

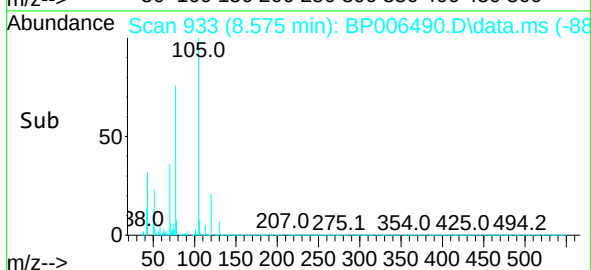
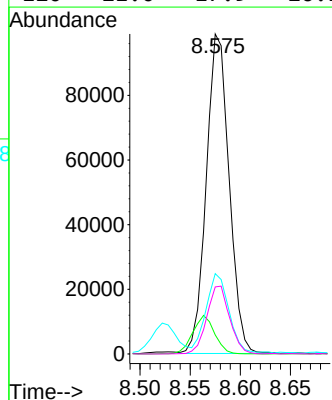
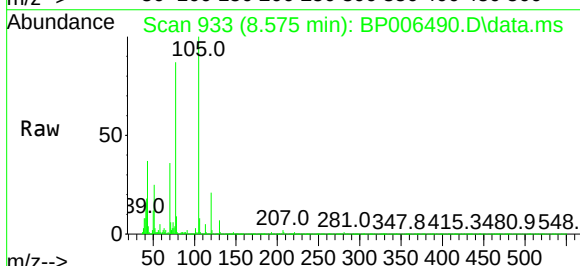
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

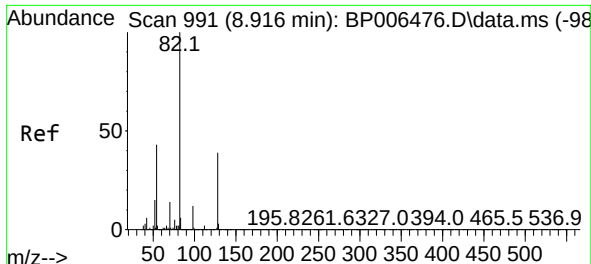
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 695154 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.6   | 12.8   |
| 54        | 7.9   | 4.6   | 6.8#   |
| 68        | 6.7   | 3.6   | 5.4#   |



#22  
Acetophenone  
Concen: 8.510 ng  
RT: 8.575 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 156887 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 6.0   | 1.9   | 2.9#   |
| 51        | 25.1  | 18.4  | 27.6   |
| 120       | 21.0  | 17.9  | 26.9   |





#23

Nitrobenzene-d5

Concen: 52.472 ng

RT: 8.910 min Scan# 990

Delta R.T. -0.006 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

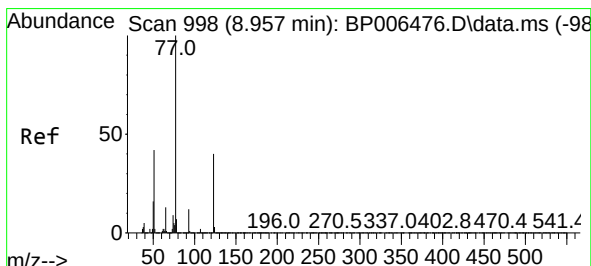
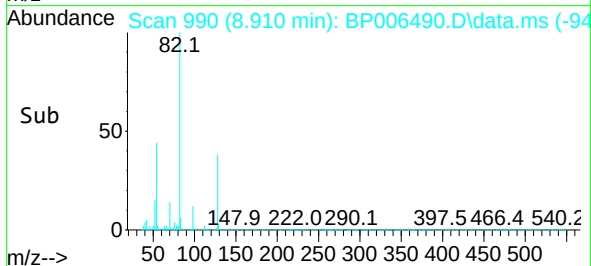
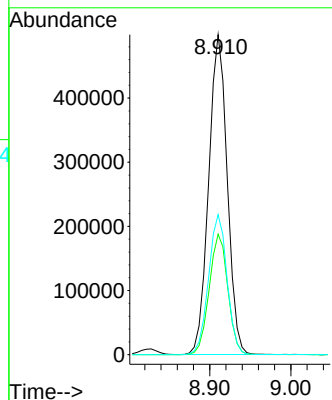
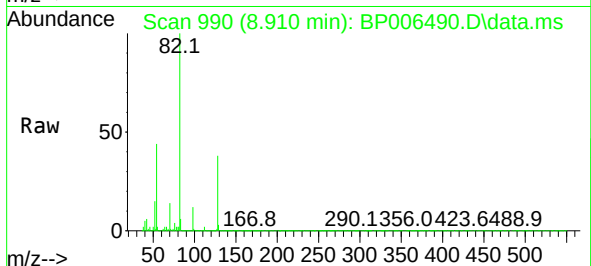
Tgt Ion: 82 Resp: 790258

Ion Ratio Lower Upper

82 100

128 37.6 35.7 53.5

54 43.8 35.0 52.4



#24

Nitrobenzene

Concen: 10.033 ng

RT: 8.951 min Scan# 997

Delta R.T. -0.006 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

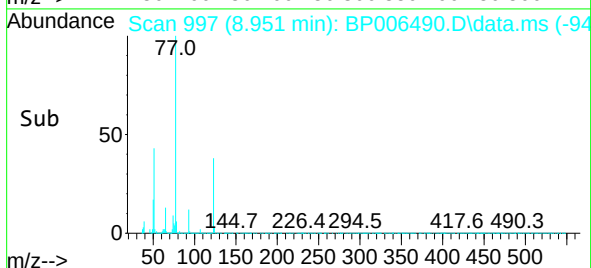
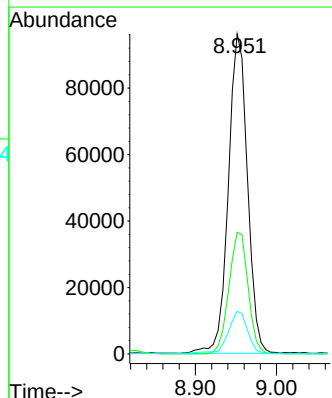
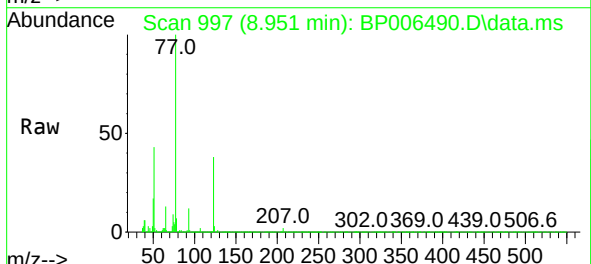
Tgt Ion: 77 Resp: 157073

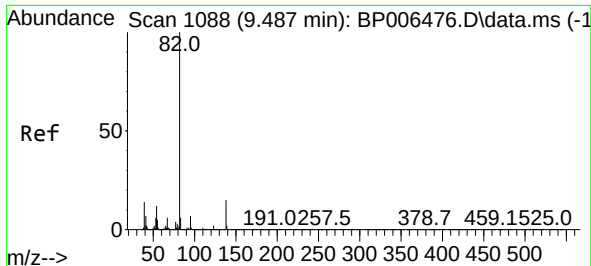
Ion Ratio Lower Upper

77 100

123 38.0 38.2 57.2#

65 13.4 11.4 17.2

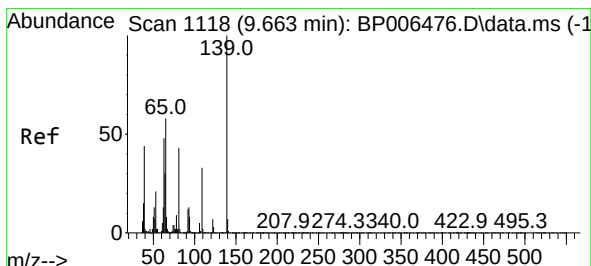
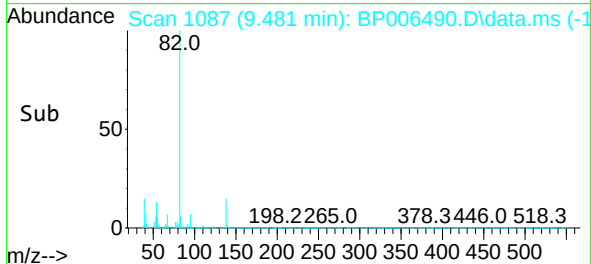
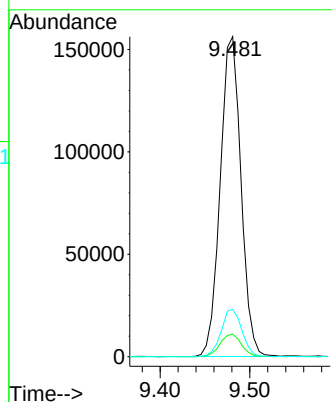
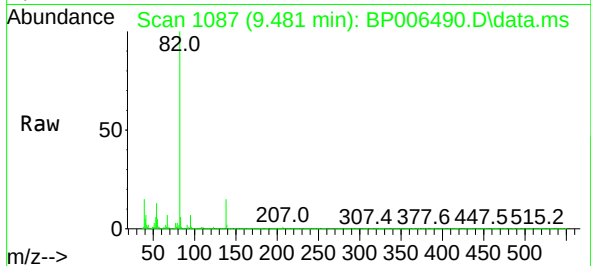




#25  
Isophorone  
Concen: 9.284 ng  
RT: 9.481 min Scan# 1087  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

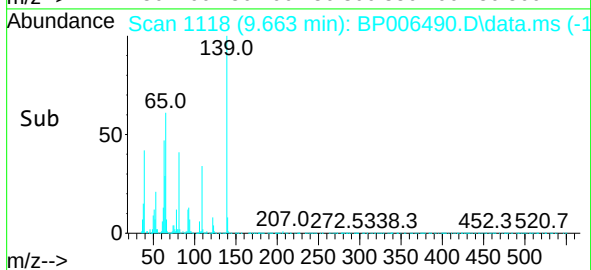
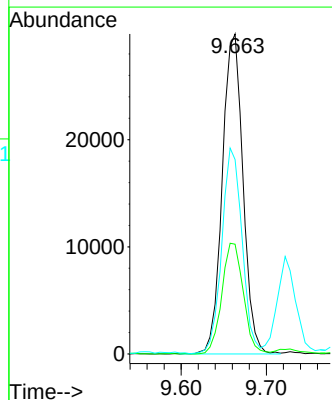
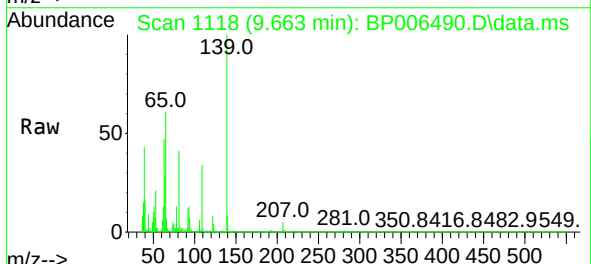
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

Tgt Ion: 82 Resp: 251131  
Ion Ratio Lower Upper  
82 100  
95 7.1 6.5 9.7  
138 14.7 15.0 22.4#

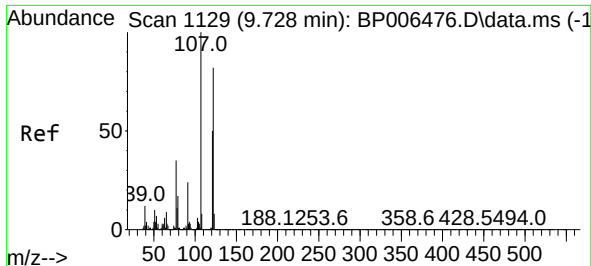


#26  
2-Nitrophenol  
Concen: 8.841 ng  
RT: 9.663 min Scan# 1118  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 139 Resp: 50369  
Ion Ratio Lower Upper  
139 100  
109 34.3 28.8 43.2  
65 60.8 41.0 61.6



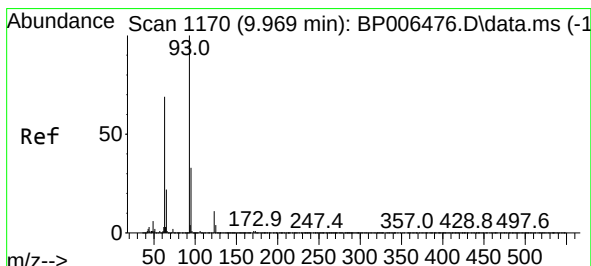
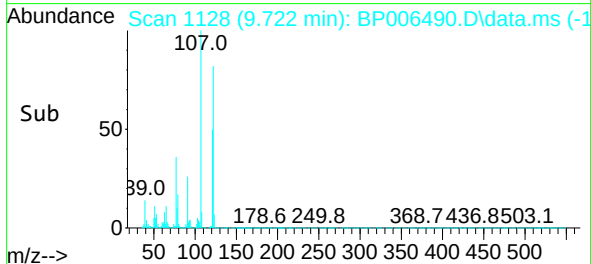
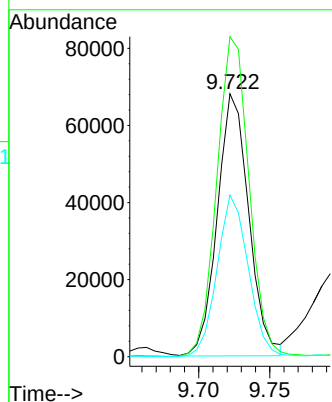
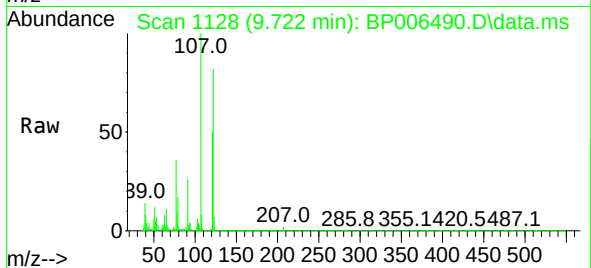




#27  
2,4-Dimethylphenol  
Concen: 10.989 ng  
RT: 9.722 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

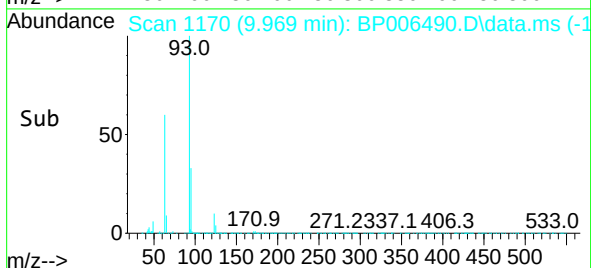
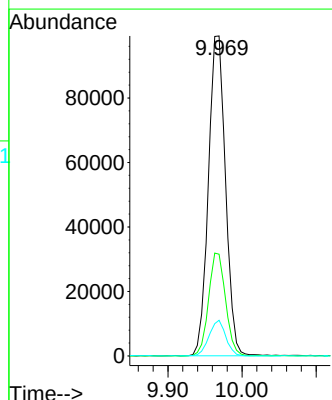
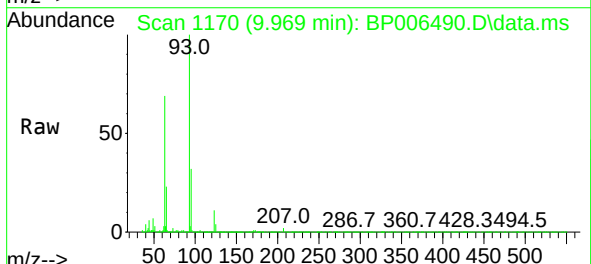
Instrument :  
BNA\_P  
ClientSampleId :  
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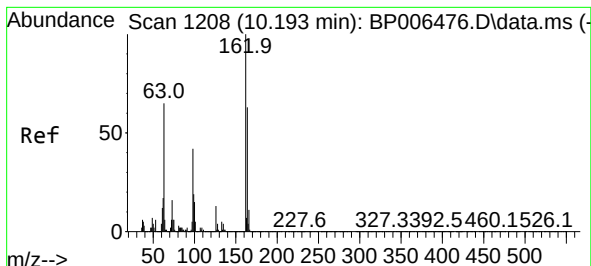
Tgt Ion:122 Resp: 104843  
Ion Ratio Lower Upper  
122 100  
107 121.7 94.5 141.7  
121 61.5 47.4 71.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 10.988 ng  
RT: 9.969 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 93 Resp: 159032  
Ion Ratio Lower Upper  
93 100  
95 31.8 25.9 38.9  
123 11.1 10.2 15.2

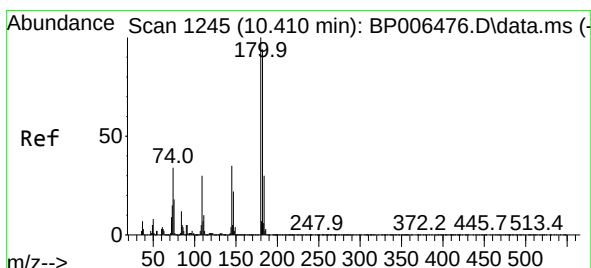
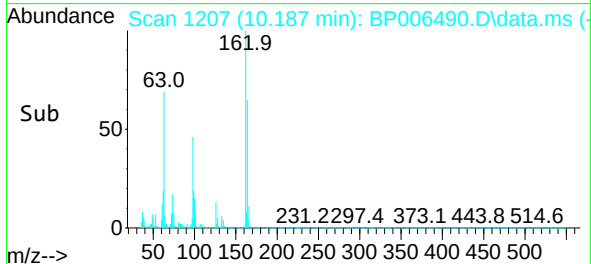
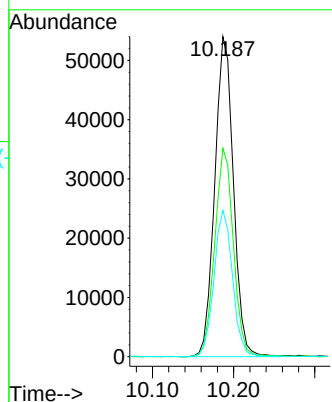
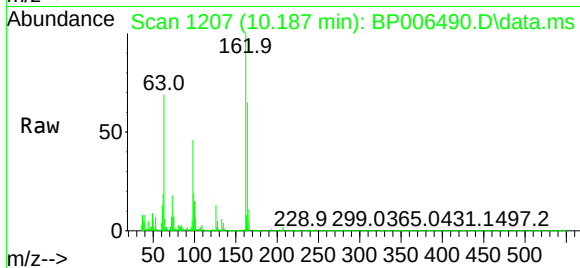




#29  
2,4-Dichlorophenol  
Concen: 8.944 ng  
RT: 10.187 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

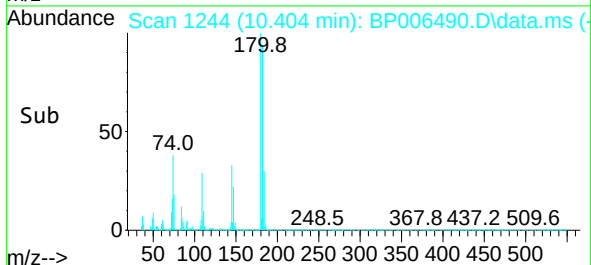
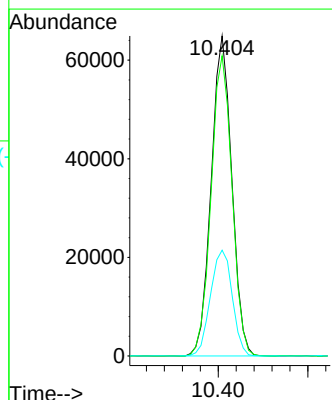
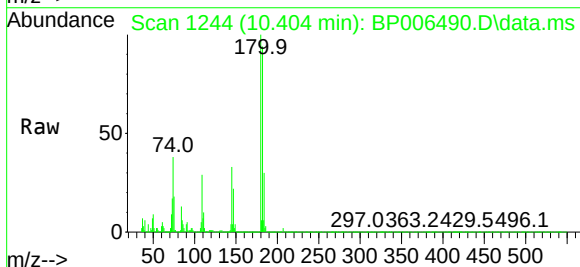
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

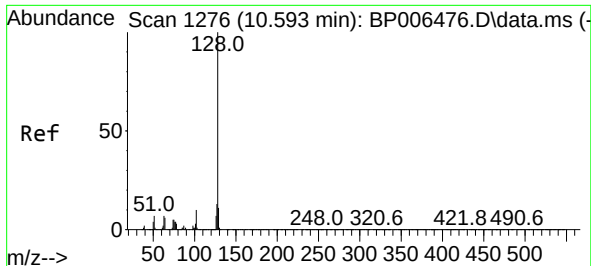
Tgt Ion:162 Resp: 86396  
Ion Ratio Lower Upper  
162 100  
164 65.1 44.9 84.9  
98 45.7 14.3 54.3



#30  
1,2,4-Trichlorobenzene  
Concen: 9.940 ng  
RT: 10.404 min Scan# 1244  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:180 Resp: 103175  
Ion Ratio Lower Upper  
180 100  
182 93.8 77.9 116.9  
145 33.1 24.7 37.1

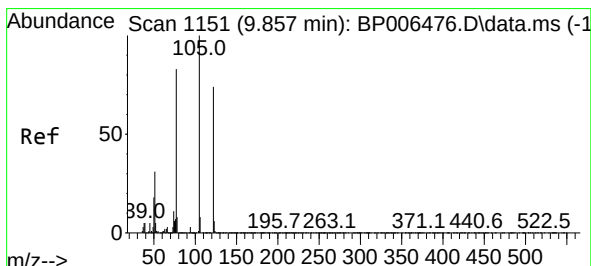
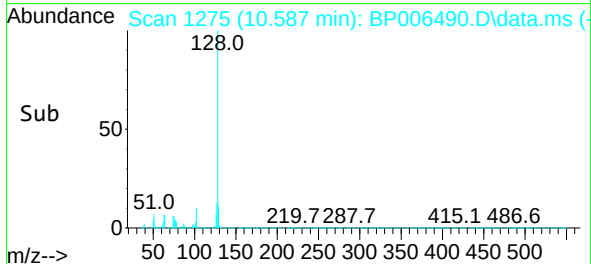
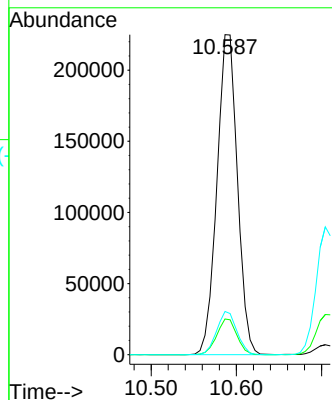
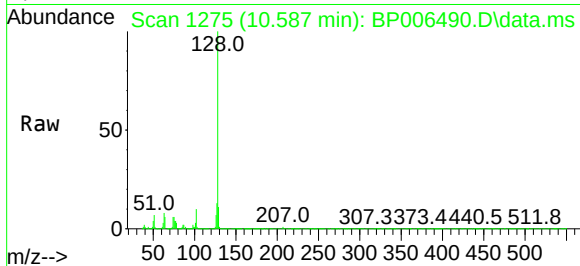




#31  
Naphthalene  
Concen: 10.046 ng  
RT: 10.587 min Scan# 1275  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

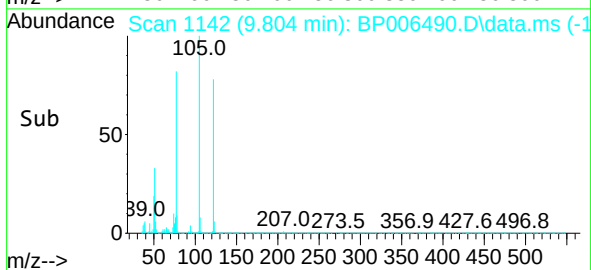
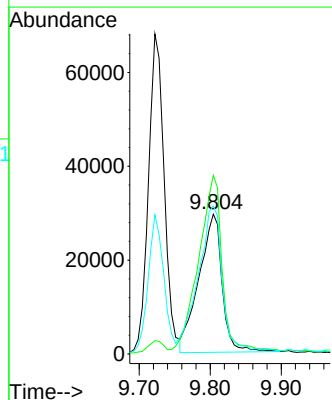
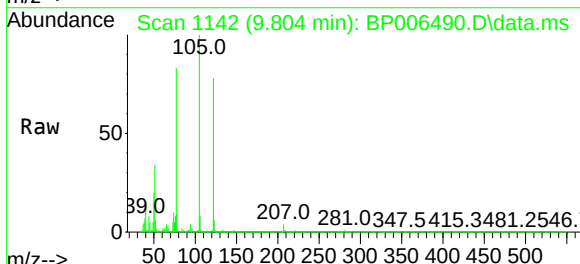
Instrument :  
BNA\_P  
ClientSampleId :  
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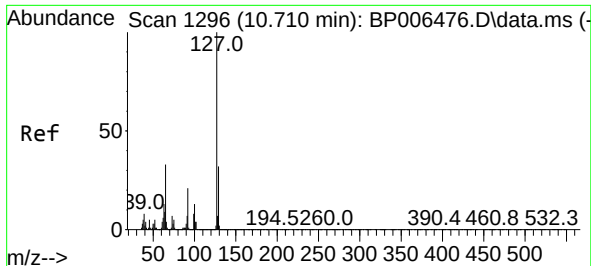
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 375265 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.1  | 9.0   | 13.6   |
| 127       | 13.5  | 10.7  | 16.1   |



#32  
Benzoic acid  
Concen: 9.098 ng  
RT: 9.804 min Scan# 1142  
Delta R.T. -0.053 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 67149 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 127.7 | 103.2 | 143.2 |
| 77        | 105.7 | 76.2  | 116.2 |

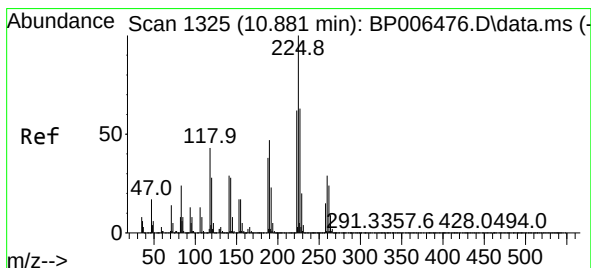
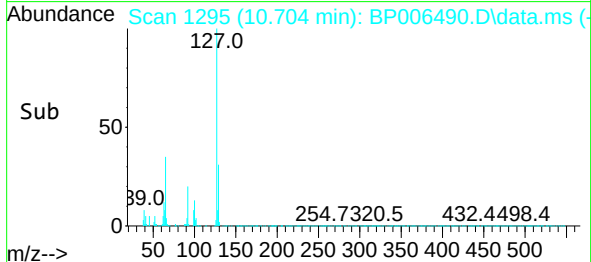
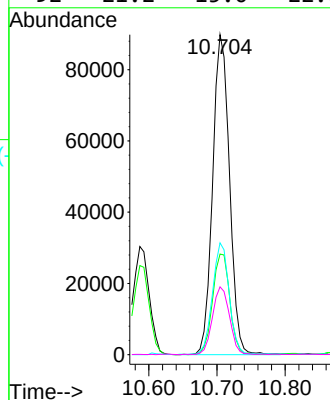
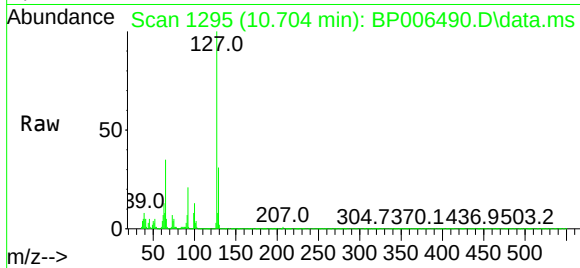




#33  
4-Chloroaniline  
Concen: 10.229 ng  
RT: 10.704 min Scan# 1295  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

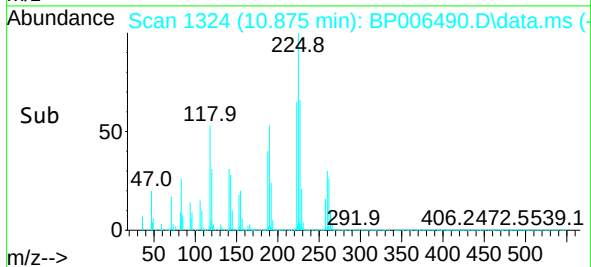
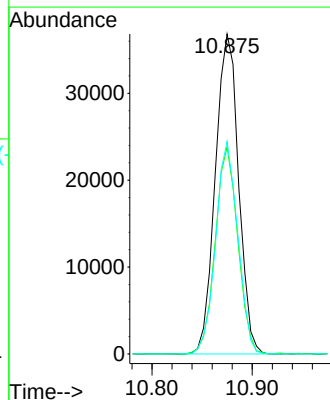
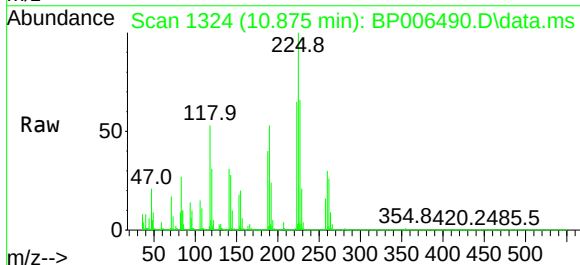
Instrument :  
BNA\_P  
ClientSampleId :  
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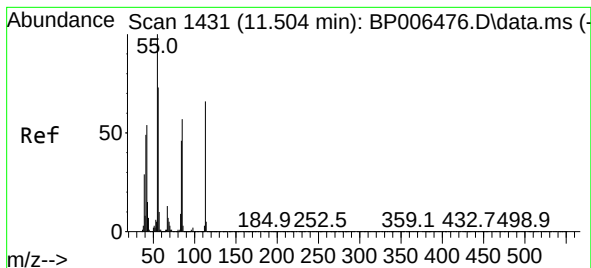
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 154616 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.5  | 26.1  | 39.1   |
| 65        | 34.9  | 22.5  | 33.7#  |
| 92        | 21.2  | 15.0  | 22.6   |



#34  
Hexachlorobutadiene  
Concen: 9.794 ng  
RT: 10.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 59237 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.6  | 51.0  | 76.6  |
| 227       | 66.4  | 51.4  | 77.2  |

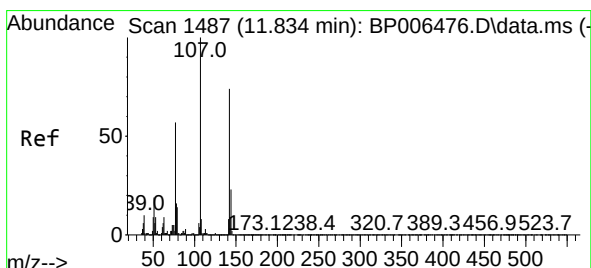
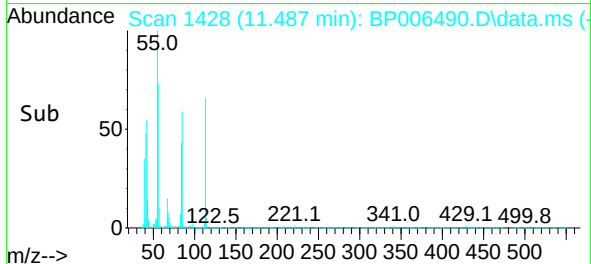
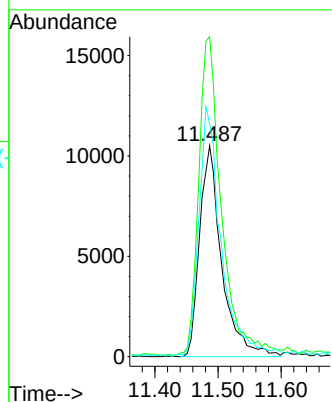
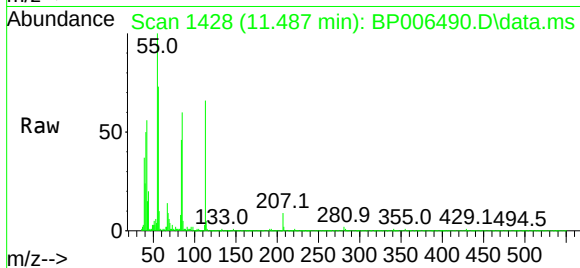




#35  
Caprolactam  
Concen: 7.316 ng  
RT: 11.487 min Scan# 1428  
Delta R.T. -0.018 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

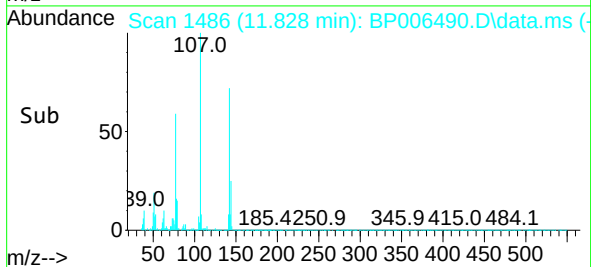
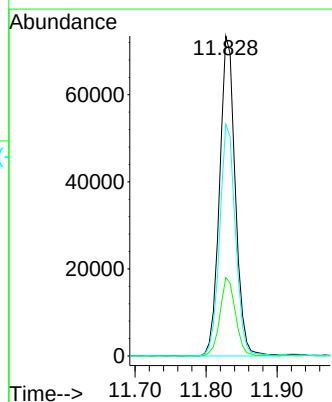
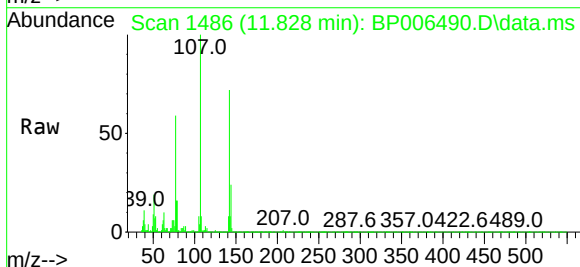
Instrument :  
BNA\_P  
ClientSampleId :  
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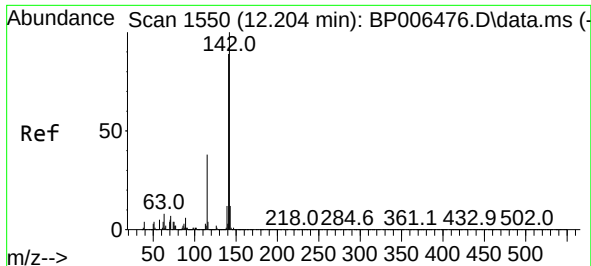
Tgt Ion:113 Resp: 25481  
Ion Ratio Lower Upper  
113 100  
55 151.8 98.9 138.9#  
56 110.6 71.7 111.7



#36  
4-Chloro-3-methylphenol  
Concen: 9.141 ng  
RT: 11.828 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:107 Resp: 112180  
Ion Ratio Lower Upper  
107 100  
144 24.5 21.1 31.7  
142 72.4 66.0 99.0

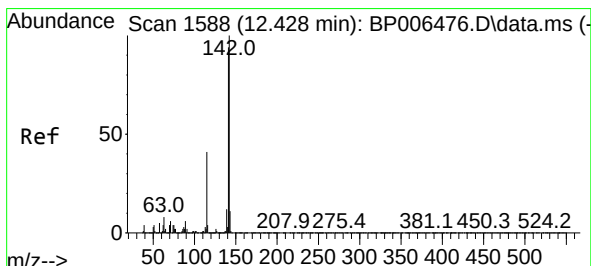
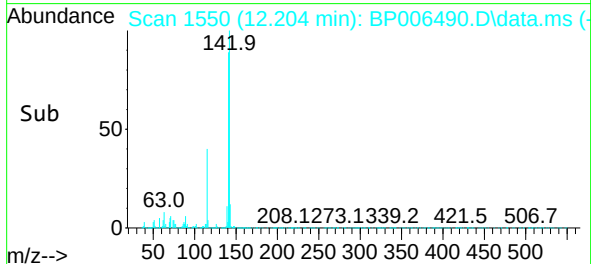
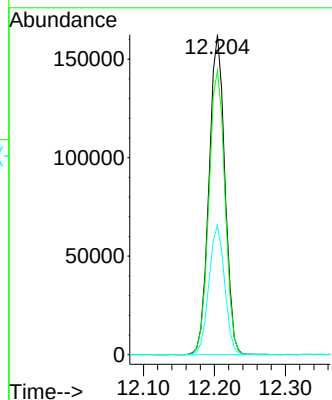
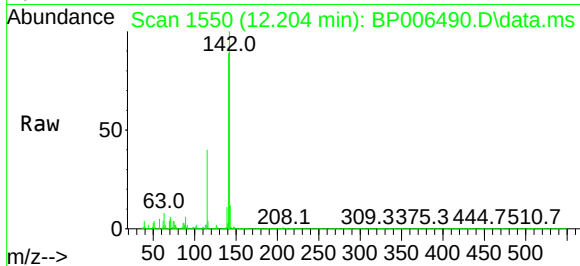




#37  
2-Methylnaphthalene  
Concen: 9.939 ng  
RT: 12.204 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

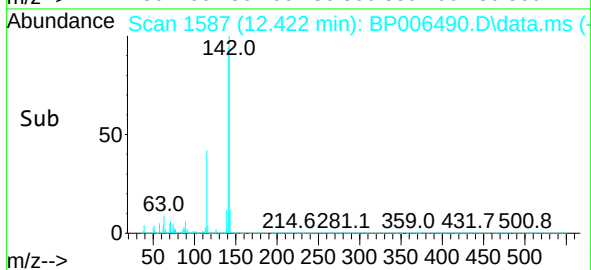
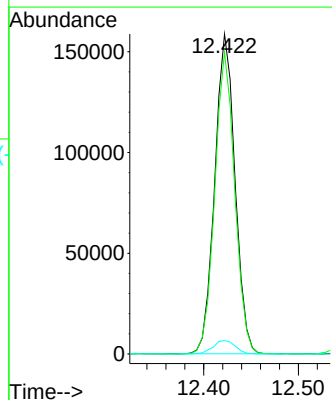
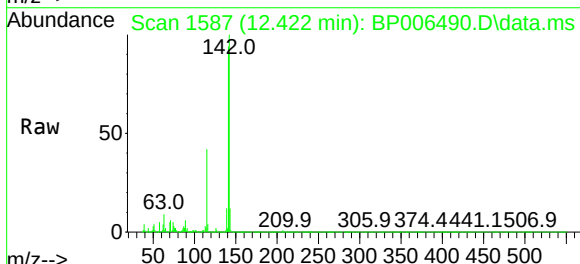
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

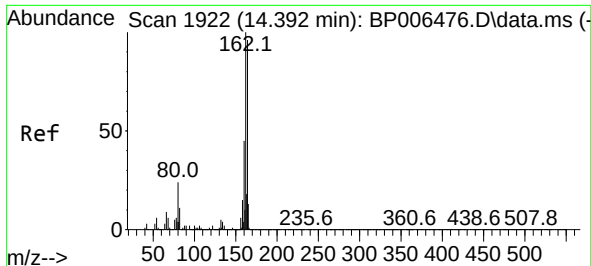
Tgt Ion:142 Resp: 251582  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.8 107.6  
115 40.3 31.6 47.4



#38  
1-Methylnaphthalene  
Concen: 9.809 ng  
RT: 12.422 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:142 Resp: 235950  
Ion Ratio Lower Upper  
142 100  
141 94.3 73.3 109.9  
116 4.2 3.5 5.3

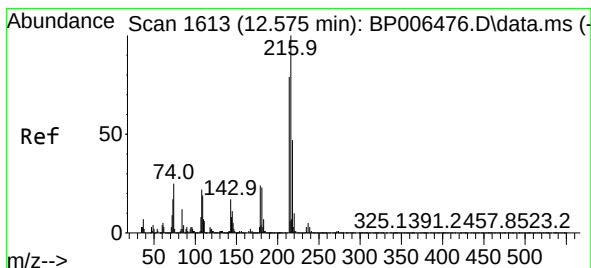
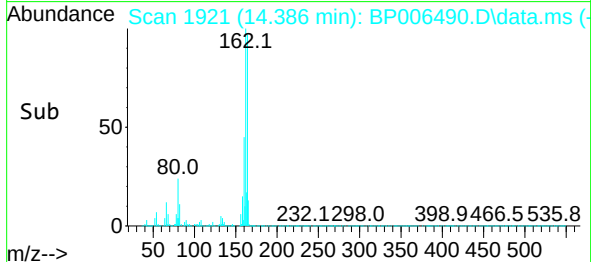
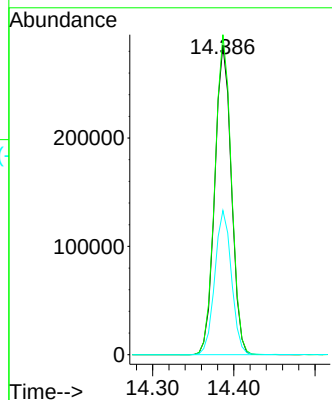
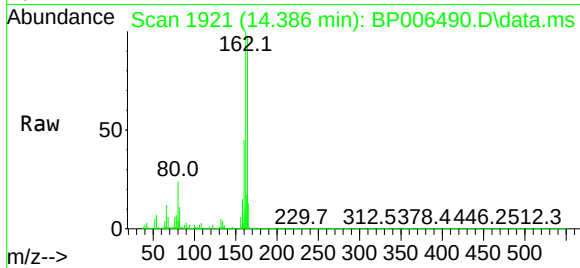




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.386 min Scan# 1921  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

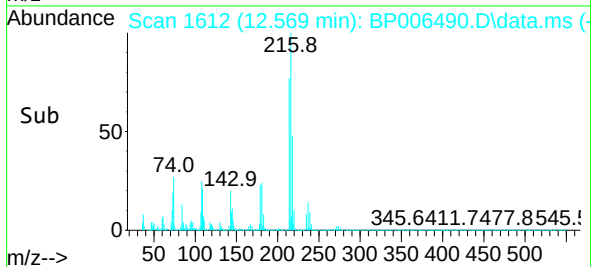
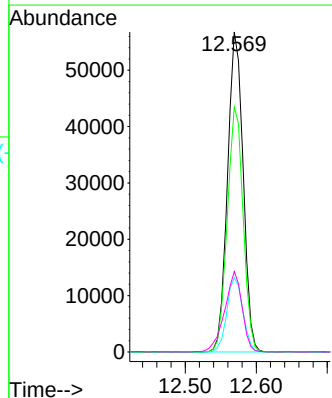
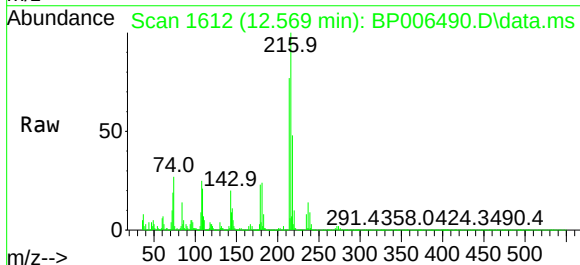
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BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

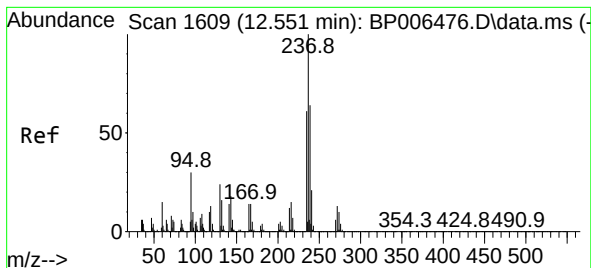
Tgt Ion:164 Resp: 405381  
Ion Ratio Lower Upper  
164 100  
162 103.4 80.2 120.2  
160 46.6 34.5 51.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 8.145 ng  
RT: 12.569 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:216 Resp: 86423  
Ion Ratio Lower Upper  
216 100  
214 77.9 61.9 92.9  
179 23.8 16.8 25.2  
108 28.2 14.9 22.3#

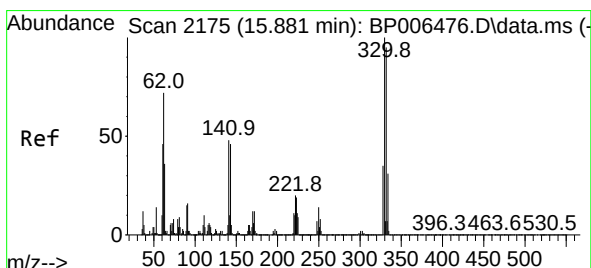
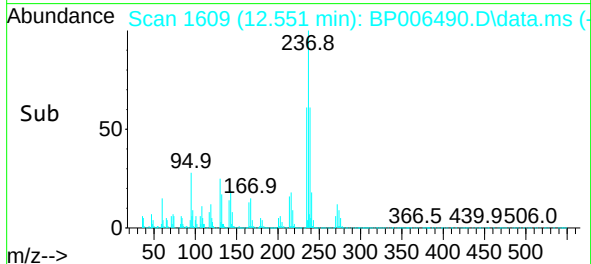
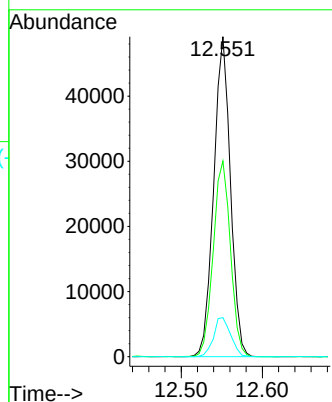
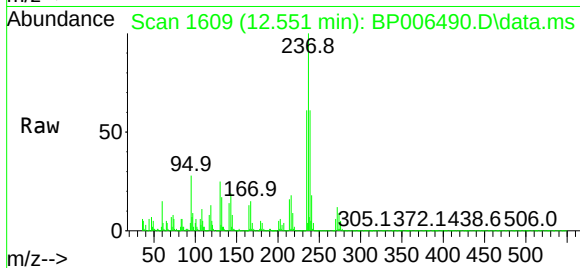




#41  
Hexachlorocyclopentadiene  
Concen: 12.478 ng  
RT: 12.551 min Scan# 1609  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

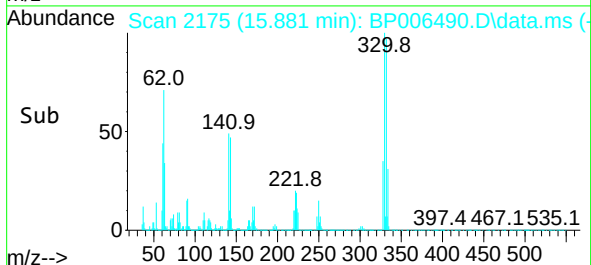
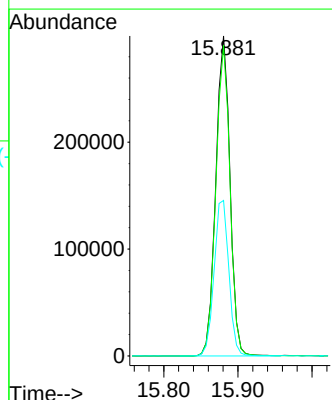
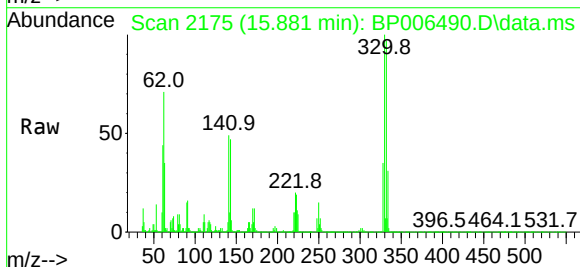
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

Tgt Ion:237 Resp: 70216  
Ion Ratio Lower Upper  
237 100  
235 61.1 44.5 84.5  
272 12.2 0.0 32.5

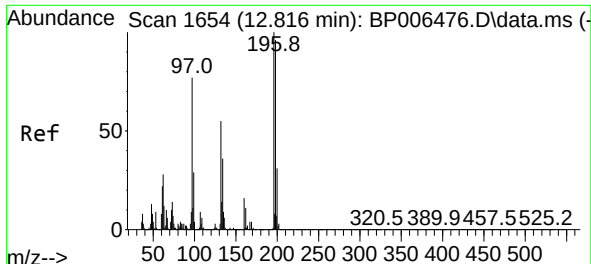


#42  
2,4,6-Tribromophenol  
Concen: 94.005 ng  
RT: 15.881 min Scan# 2175  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:330 Resp: 398270  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.8 116.8  
141 50.7 25.4 38.2#



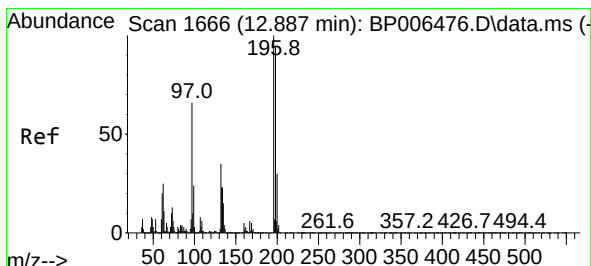
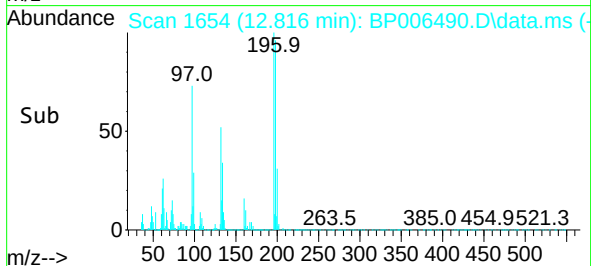
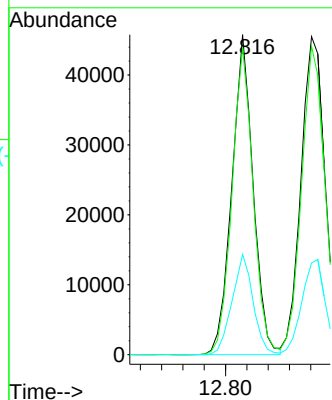
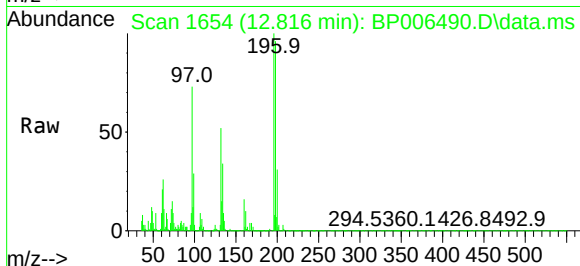




#43  
2,4,6-Trichlorophenol  
Concen: 8.787 ng  
RT: 12.816 min Scan# 1654  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

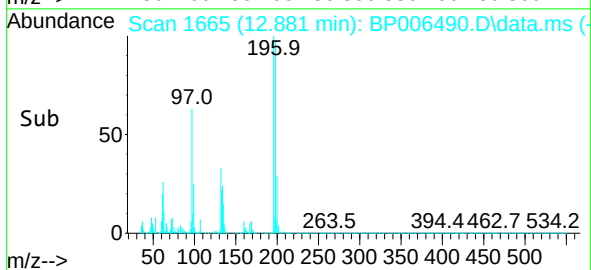
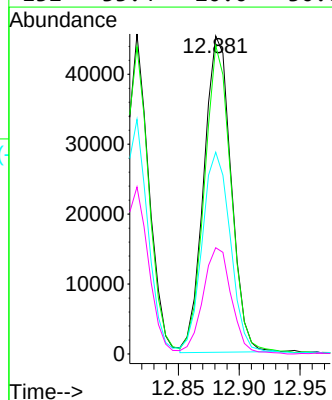
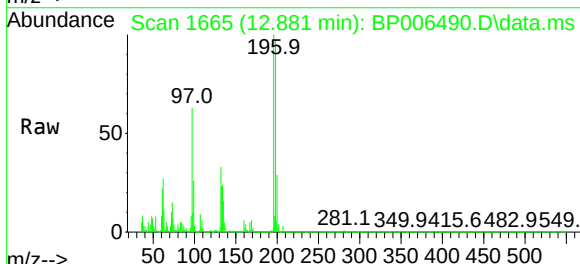
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

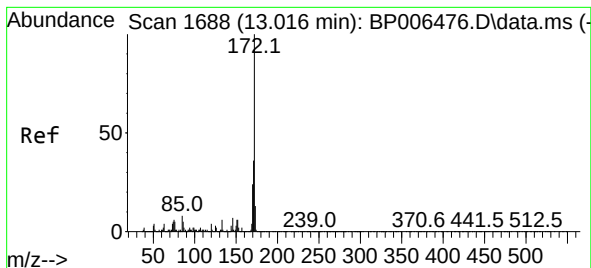
Tgt Ion:196 Resp: 63658  
Ion Ratio Lower Upper  
196 100  
198 96.0 79.5 119.3  
200 31.3 25.0 37.6



#44  
2,4,5-Trichlorophenol  
Concen: 8.800 ng  
RT: 12.881 min Scan# 1665  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:196 Resp: 70568  
Ion Ratio Lower Upper  
196 100  
198 97.0 74.7 112.1  
97 63.4 37.4 56.0#  
132 33.4 20.0 30.0#

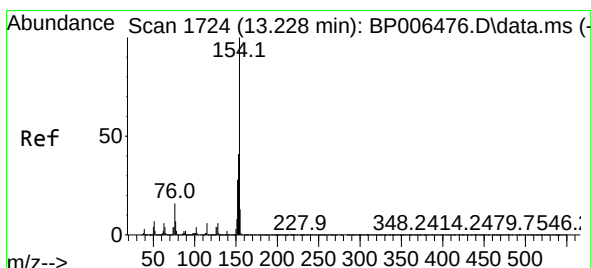
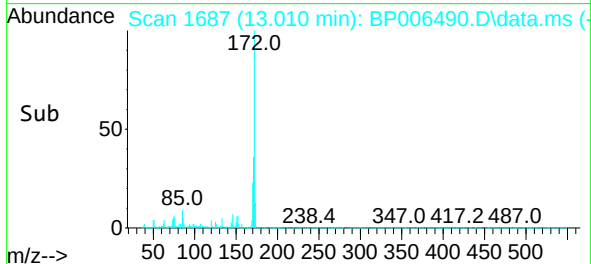
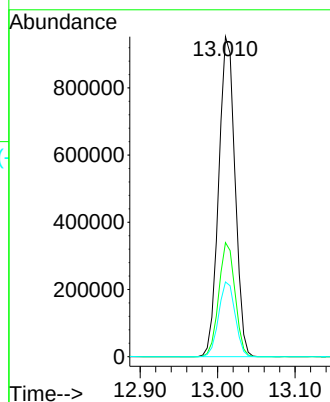
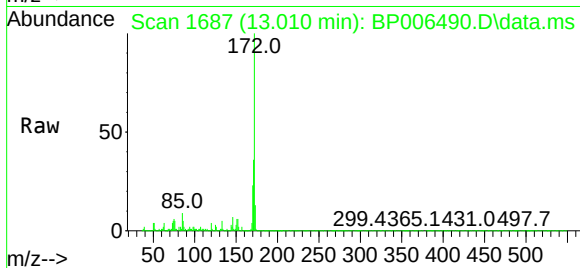




#45  
2-Fluorobiphenyl  
Concen: 51.381 ng  
RT: 13.010 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

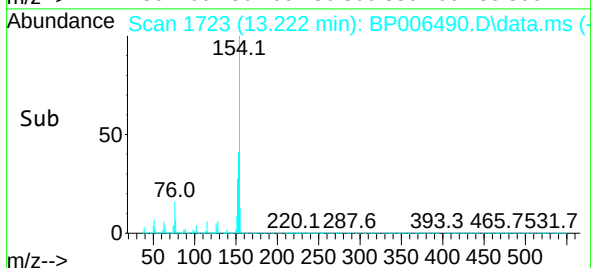
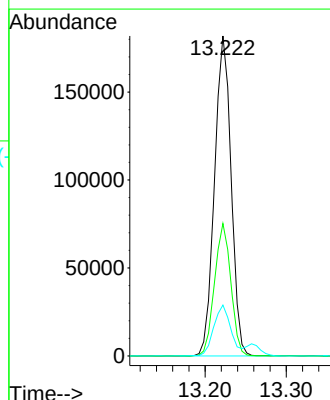
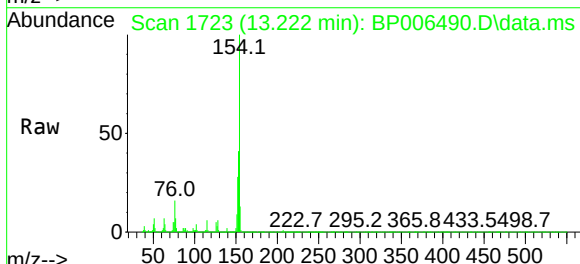
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

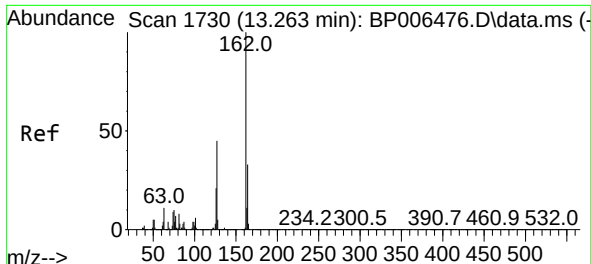
Tgt Ion:172 Resp: 1392189  
Ion Ratio Lower Upper  
172 100  
171 35.7 27.9 41.9  
170 23.3 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 8.416 ng  
RT: 13.222 min Scan# 1723  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:154 Resp: 258220  
Ion Ratio Lower Upper  
154 100  
153 41.4 20.4 60.4  
76 15.9 0.0 30.8

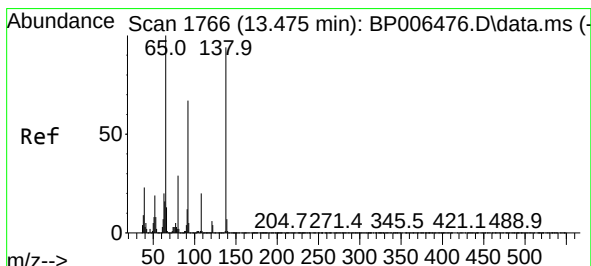
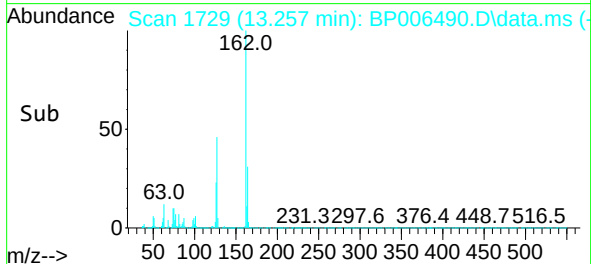
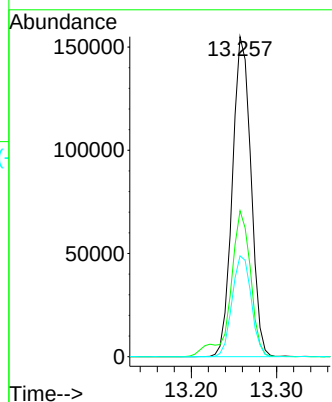
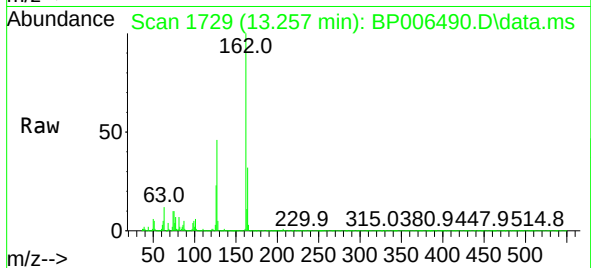




#47  
2-Chloronaphthalene  
Concen: 9.948 ng  
RT: 13.257 min Scan# 1729  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

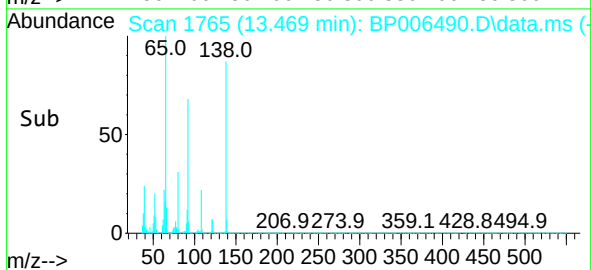
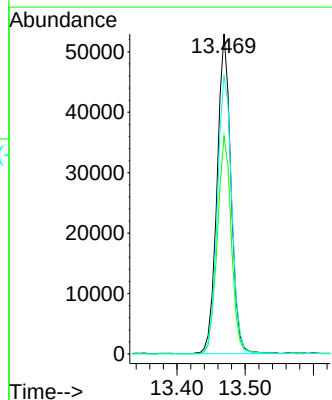
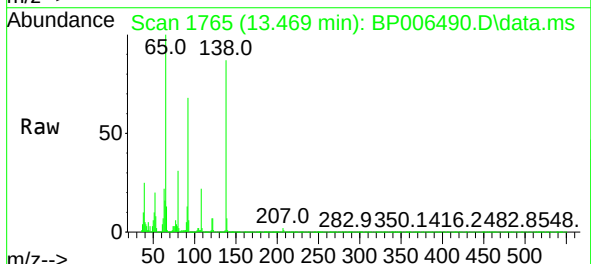
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

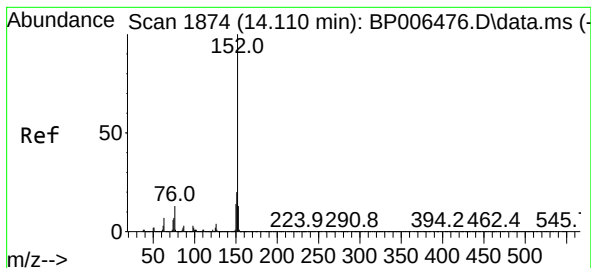
Tgt Ion:162 Resp: 235070  
Ion Ratio Lower Upper  
162 100  
127 45.6 31.4 47.0  
164 31.5 26.6 39.8



#48  
2-Nitroaniline  
Concen: 9.035 ng  
RT: 13.469 min Scan# 1765  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion: 65 Resp: 75338  
Ion Ratio Lower Upper  
65 100  
92 68.1 57.7 86.5  
138 86.9 92.1 138.1#





#49

Acenaphthylene

Concen: 10.118 ng

RT: 14.110 min Scan# 1874

Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

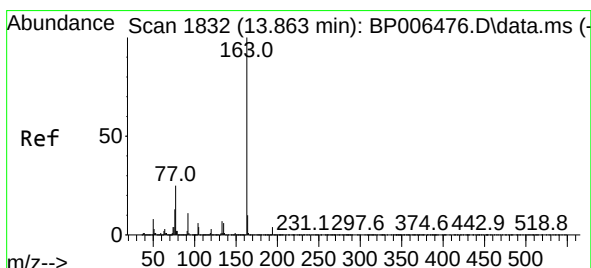
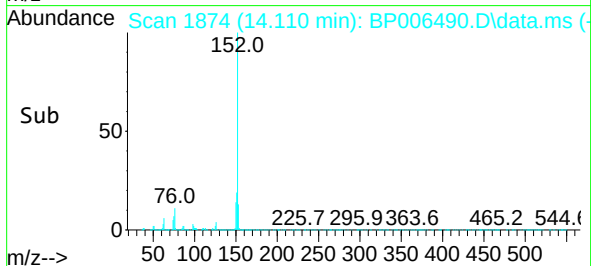
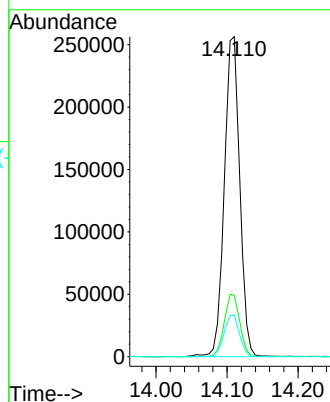
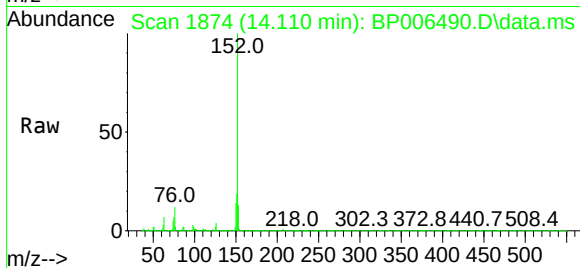
Tgt Ion:152 Resp: 385511

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.2

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 10.113 ng

RT: 13.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

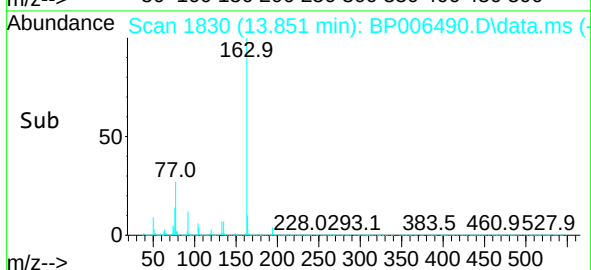
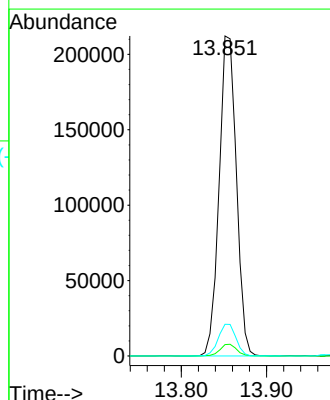
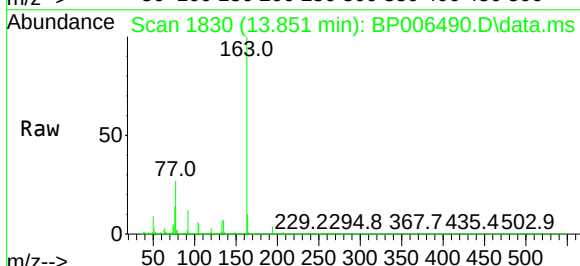
Tgt Ion:163 Resp: 298418

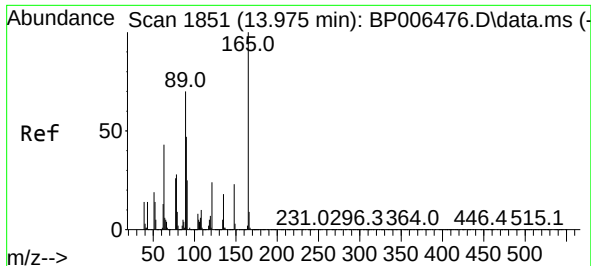
Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

164 9.9 8.2 12.2

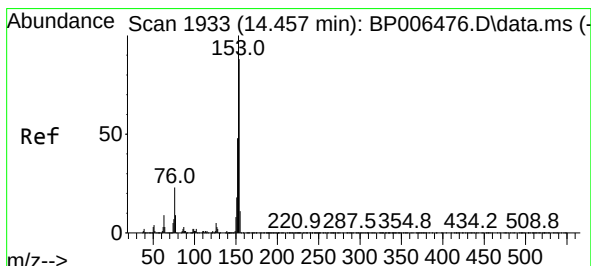
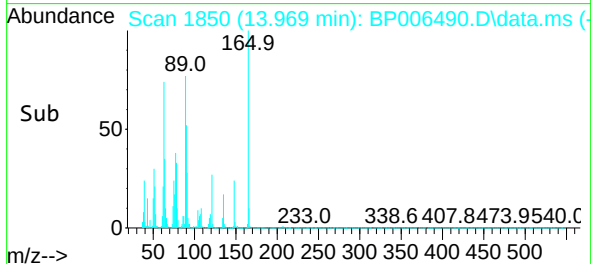
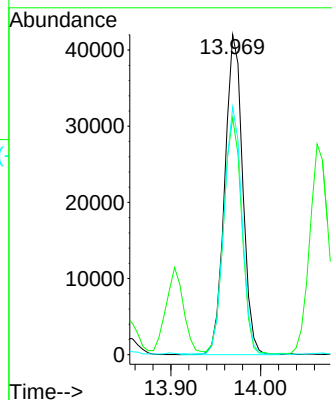
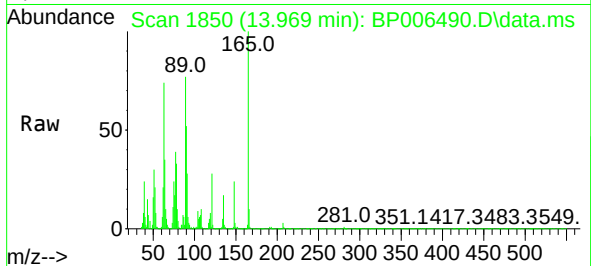




#51  
2,6-Dinitrotoluene  
Concen: 8.819 ng  
RT: 13.969 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

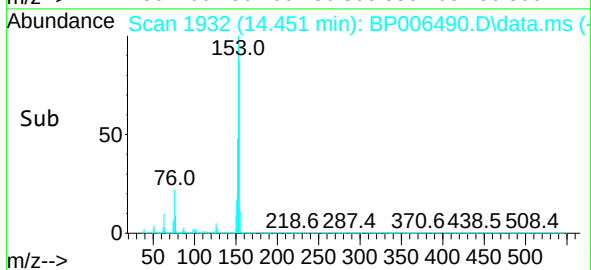
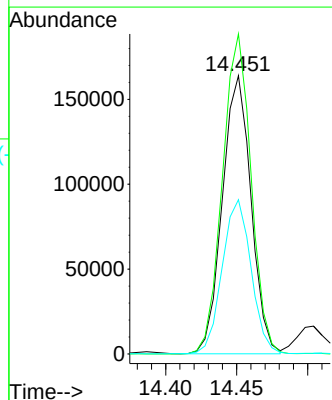
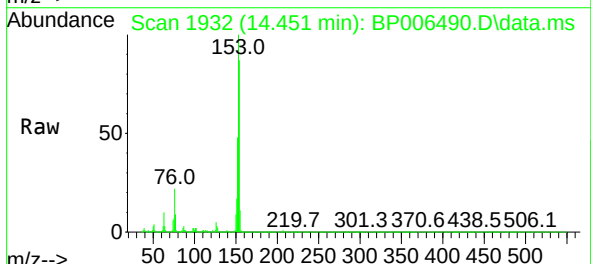
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

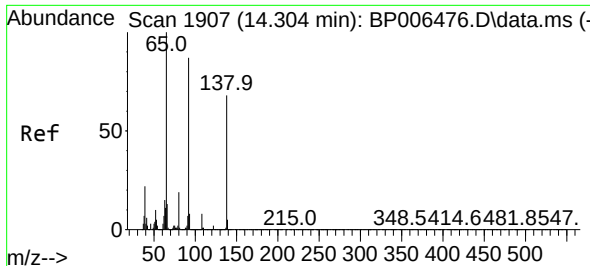
Tgt Ion:165 Resp: 58070  
Ion Ratio Lower Upper  
165 100  
63 74.0 41.3 61.9#  
89 77.4 44.8 67.2#



#52  
Acenaphthene  
Concen: 9.934 ng  
RT: 14.451 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:154 Resp: 230350  
Ion Ratio Lower Upper  
154 100  
153 115.0 89.4 134.2  
152 55.5 43.0 64.4

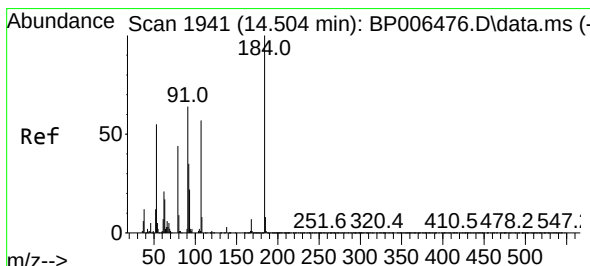
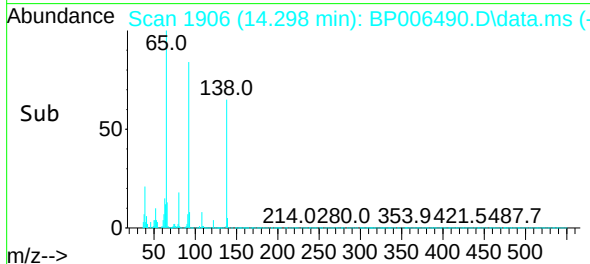
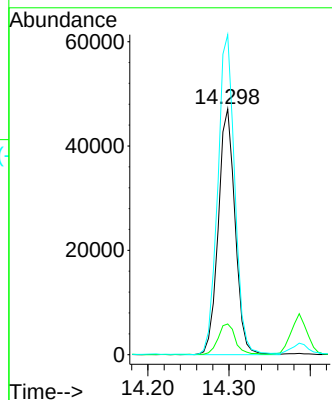
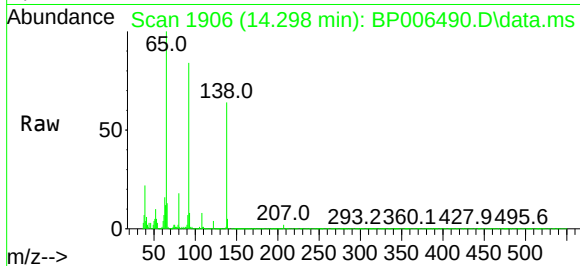




#53  
3-Nitroaniline  
Concen: 9.287 ng  
RT: 14.298 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

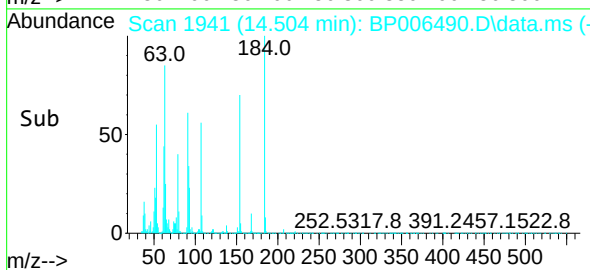
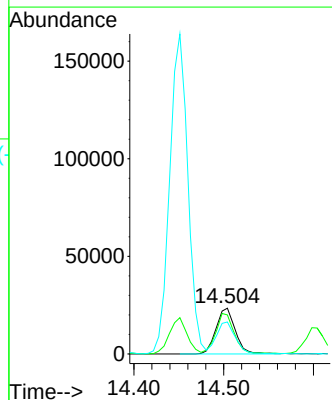
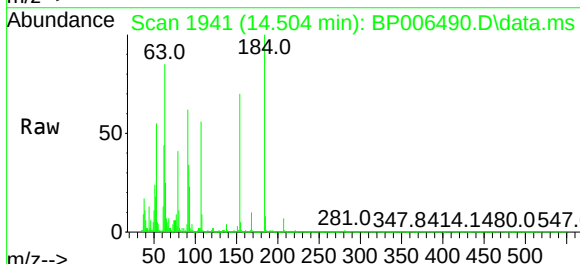
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

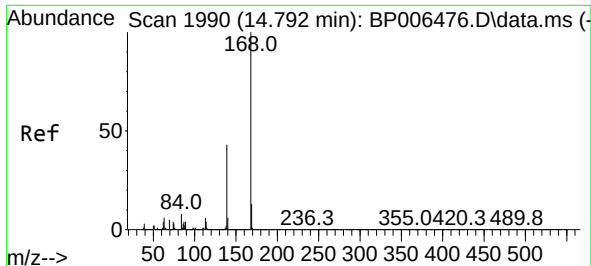
Tgt Ion:138 Resp: 67794  
Ion Ratio Lower Upper  
138 100  
108 12.5 8.4 12.6  
92 130.2 87.8 131.8



#54  
2,4-Dinitrophenol  
Concen: 10.129 ng  
RT: 14.504 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:184 Resp: 34879  
Ion Ratio Lower Upper  
184 100  
63 85.4 47.0 70.6#  
154 70.1 52.3 78.5

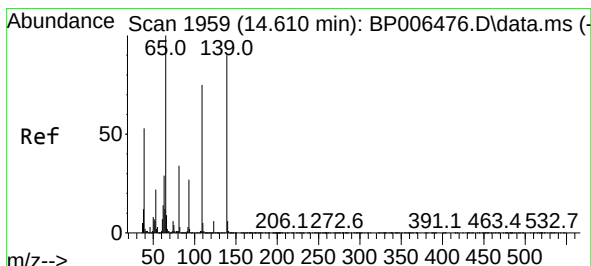
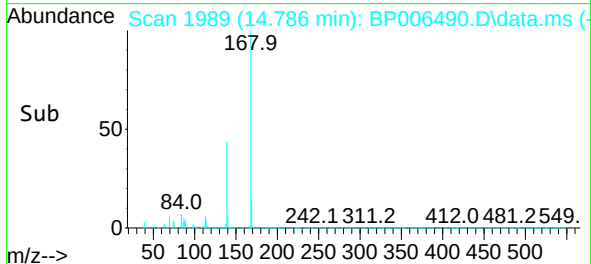
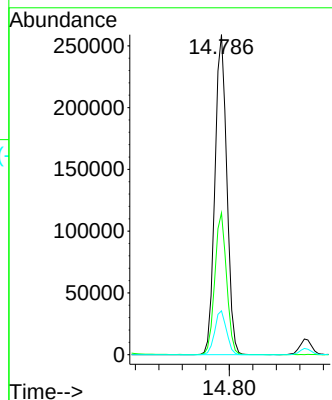
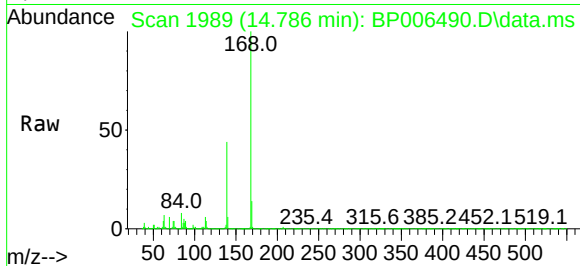




#55  
Dibenzofuran  
Concen: 9.960 ng  
RT: 14.786 min Scan# 1989  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

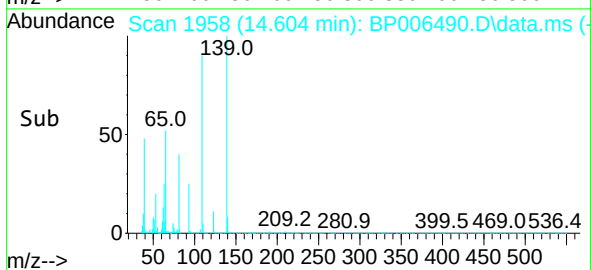
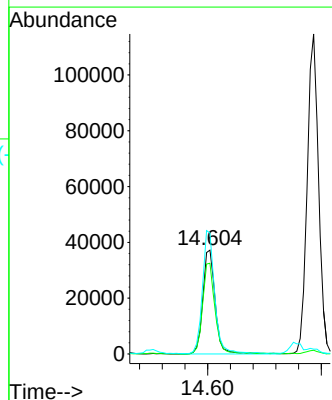
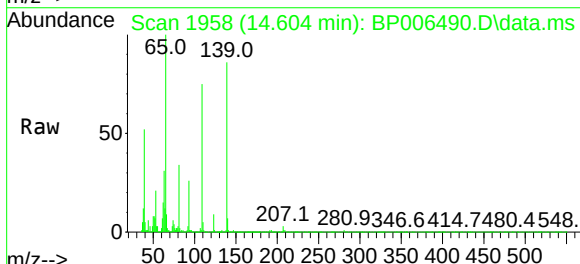
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

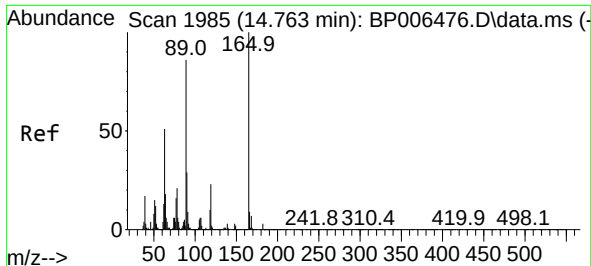
Tgt Ion:168 Resp: 363271  
Ion Ratio Lower Upper  
168 100  
139 44.3 31.0 46.6  
169 13.7 10.8 16.2



#56  
4-Nitrophenol  
Concen: 8.863 ng  
RT: 14.604 min Scan# 1958  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:139 Resp: 56178  
Ion Ratio Lower Upper  
139 100  
109 87.4 72.3 112.3  
65 116.5 72.5 112.5#

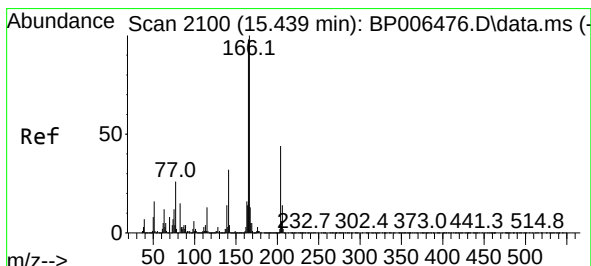
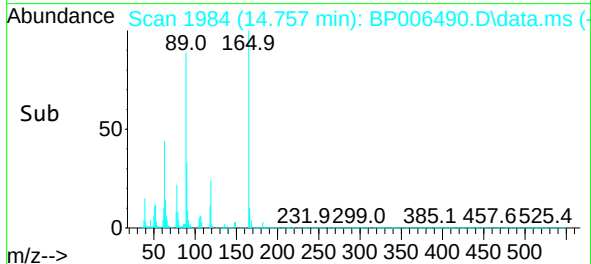
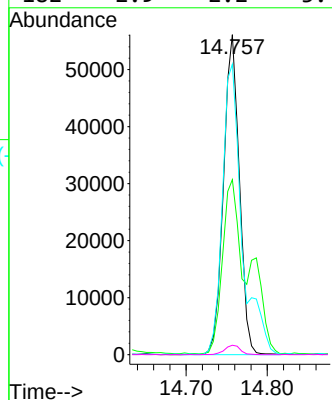
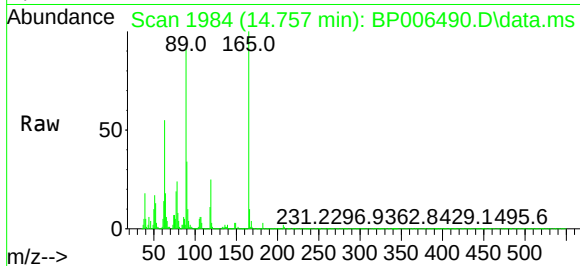




#57  
2,4-Dinitrotoluene  
Concen: 8.640 ng  
RT: 14.757 min Scan# 1984  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

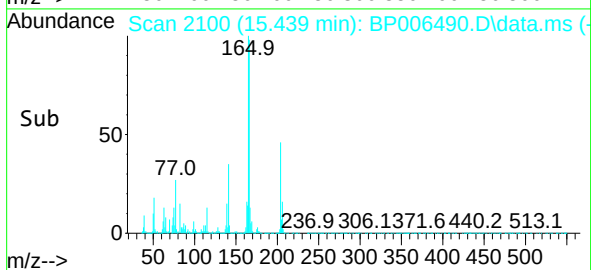
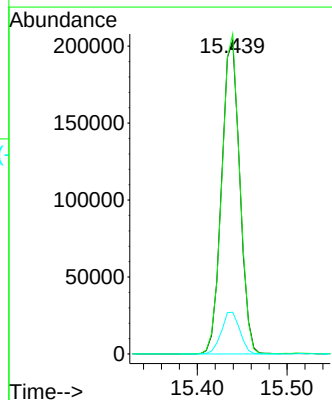
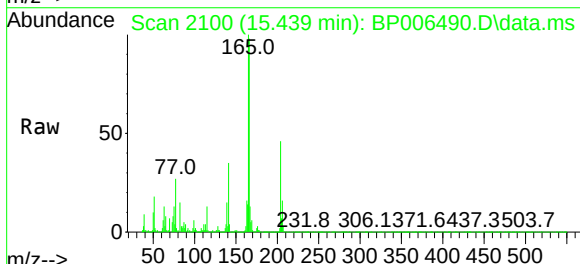
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 76294 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 54.7  | 32.3  | 48.5# |
| 89        | 90.8  | 55.9  | 83.9# |
| 182       | 2.9   | 2.2   | 3.4   |

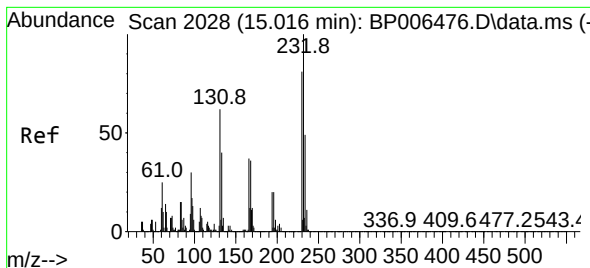


#58  
Fluorene  
Concen: 9.822 ng  
RT: 15.439 min Scan# 2100  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 286336 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 102.0 | 78.0  | 117.0  |
| 167       | 13.3  | 10.5  | 15.7   |



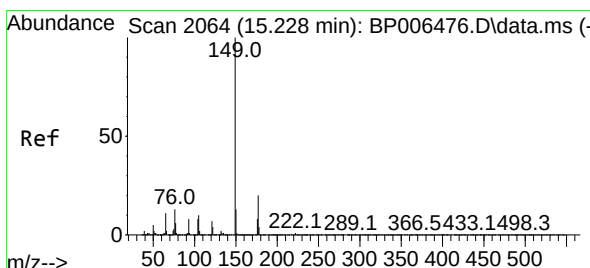
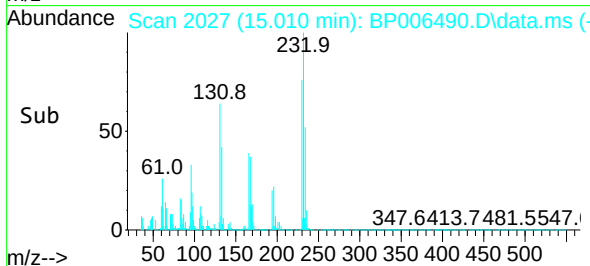
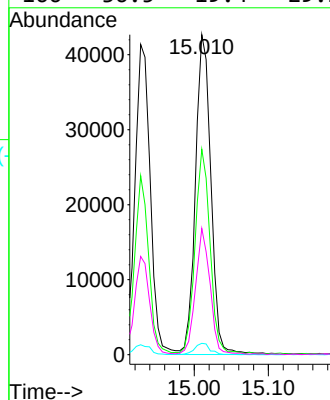
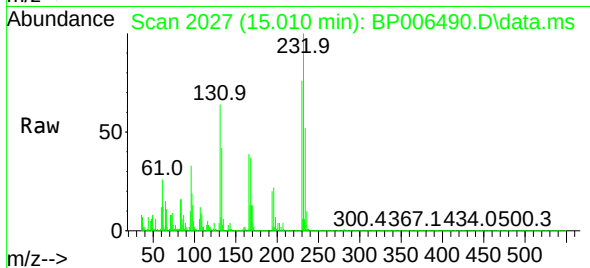




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 9.218 ng  
RT: 15.010 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

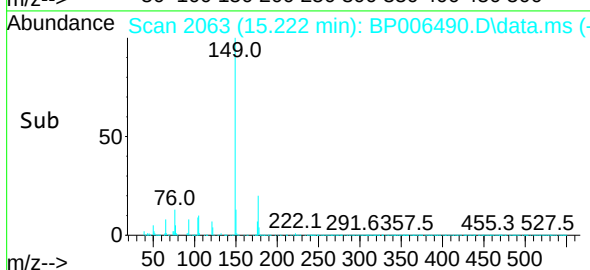
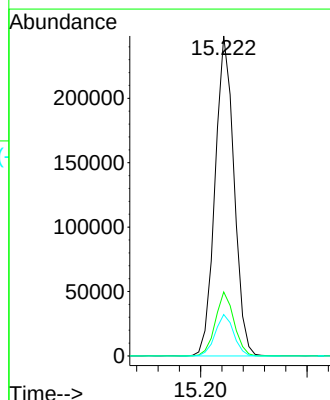
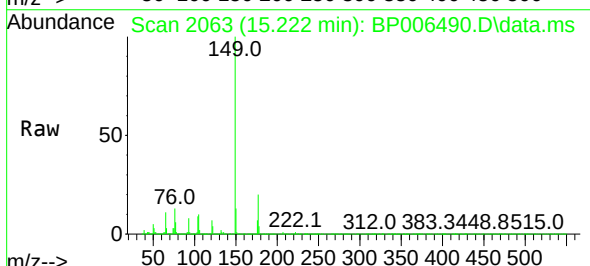
Instrument :  
BNA\_P  
ClientSampleId :  
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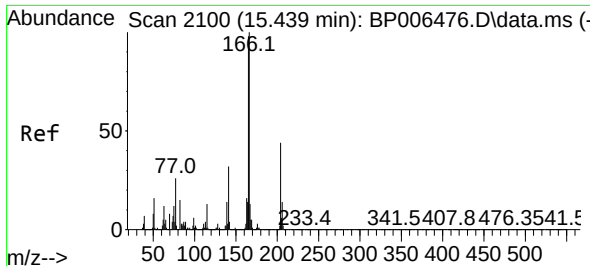
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:232 | Resp: | 61951      |
| Ion Ratio   | Lower | Upper      |
| 232         | 100   |            |
| 131         | 61.5  | 32.2 48.4# |
| 130         | 3.6   | 2.0 3.0#   |
| 166         | 36.5  | 19.4 29.2# |



#60  
Diethylphthalate  
Concen: 9.873 ng  
RT: 15.222 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 305999    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 20.0  | 17.5 26.3 |
| 150         | 13.0  | 9.9 14.9  |

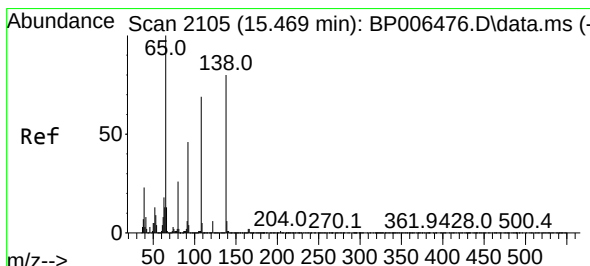
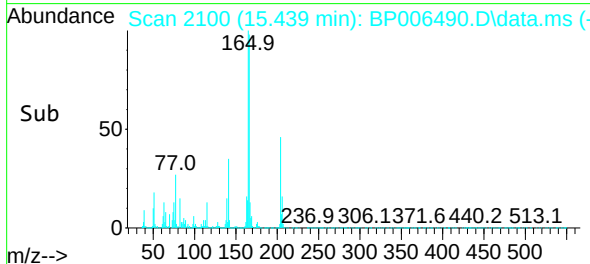
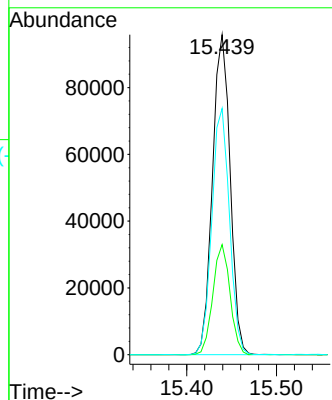
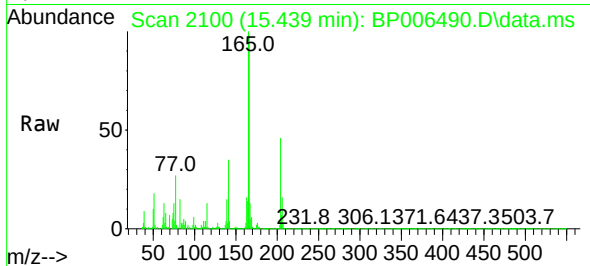




#61  
4-Chlorophenyl-phenylether  
Concen: 9.942 ng  
RT: 15.439 min Scan# 2100  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

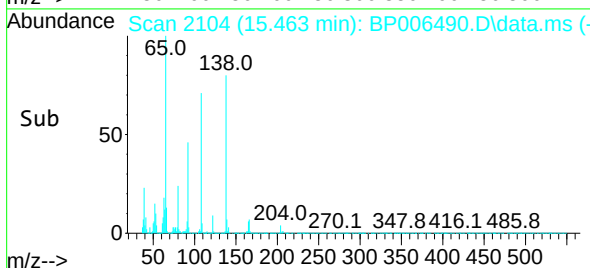
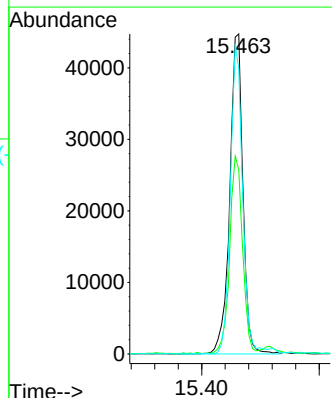
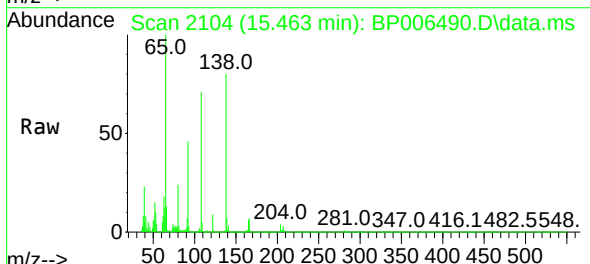
Instrument :  
BNA\_P  
ClientSampleId :  
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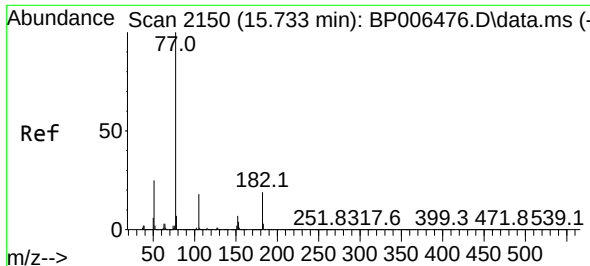
Tgt Ion:204 Resp: 131251  
Ion Ratio Lower Upper  
204 100  
206 34.4 26.6 40.0  
141 76.9 48.6 73.0#



#62  
4-Nitroaniline  
Concen: 8.984 ng  
RT: 15.463 min Scan# 2104  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:138 Resp: 69586  
Ion Ratio Lower Upper  
138 100  
92 57.6 31.2 71.2  
108 89.0 78.6 118.6

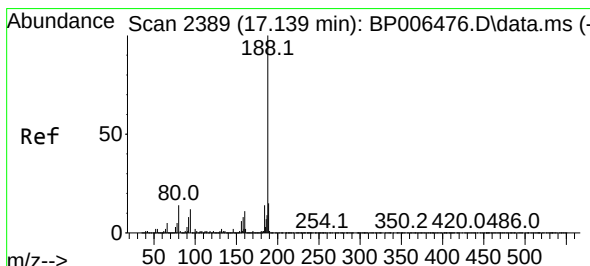
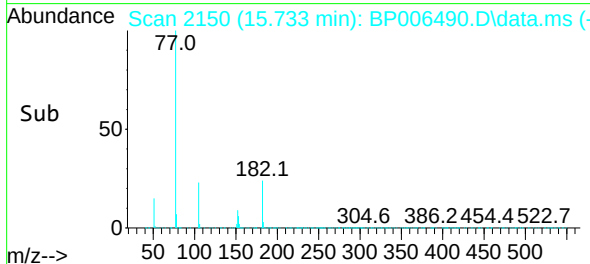
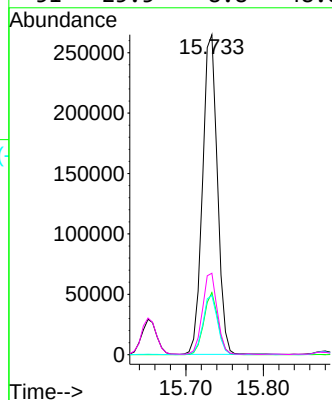
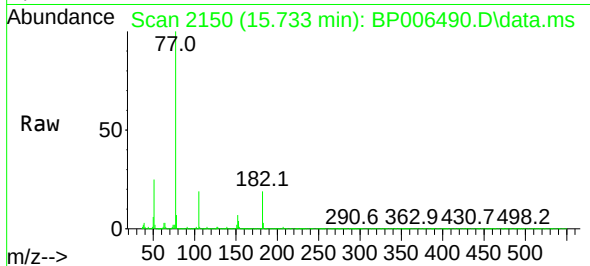




#63  
Azobenzene  
Concen: 9.717 ng  
RT: 15.733 min Scan# 2150  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

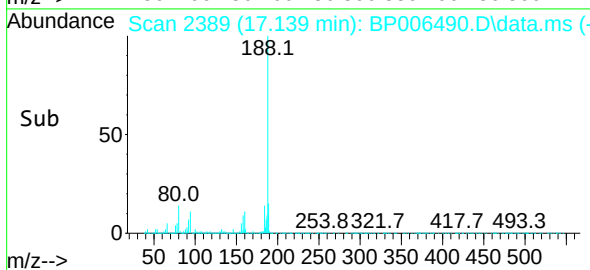
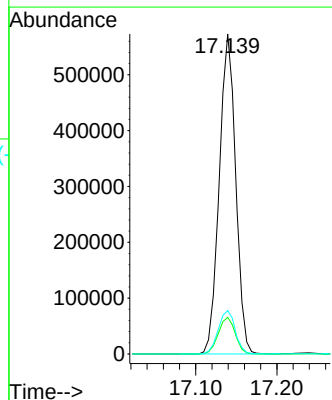
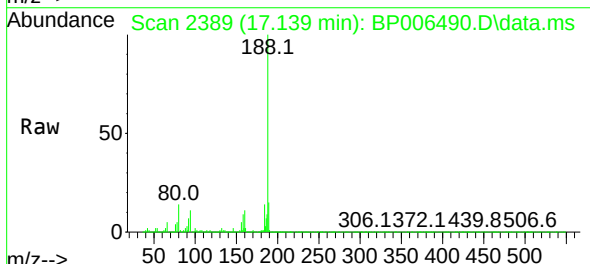
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

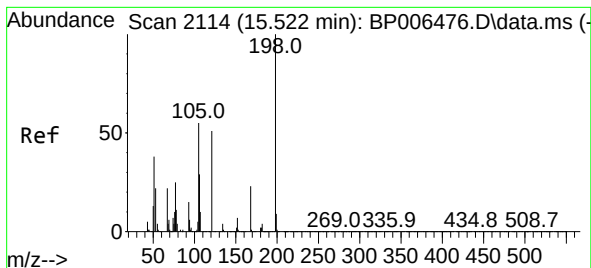
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 351119 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 19.4    | 6.0 46.0     |
| 105 18.5    | 0.0 38.8     |
| 51 25.5     | 8.8 48.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.139 min Scan# 2389  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 807632 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 11.5      | 5.6 8.4#     |
| 80 13.6      | 6.3 9.5#     |

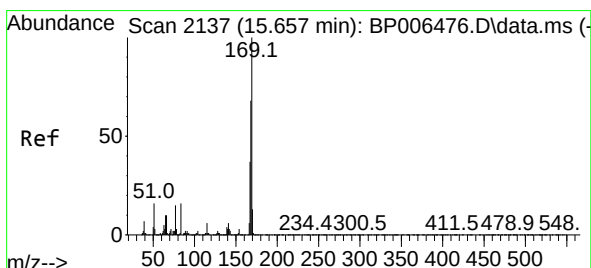
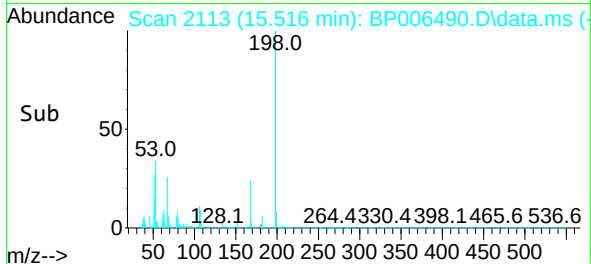
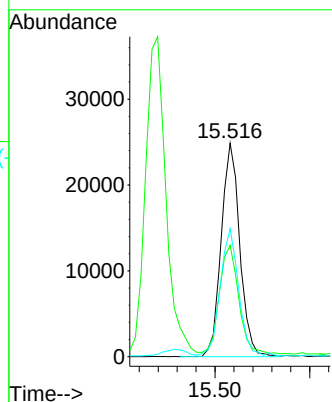
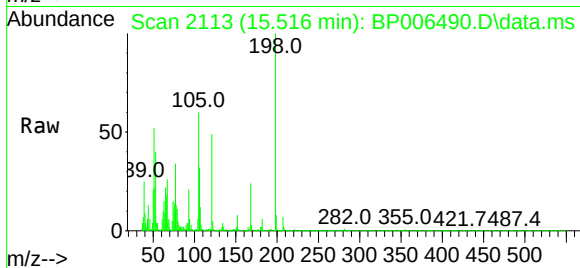




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.867 ng  
RT: 15.516 min Scan# 2113  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

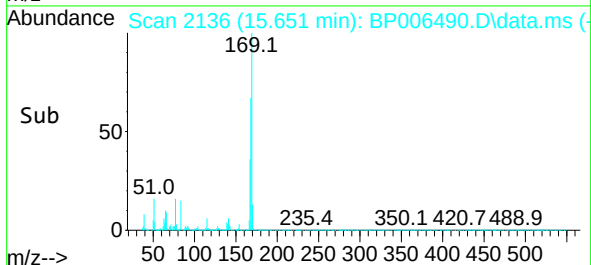
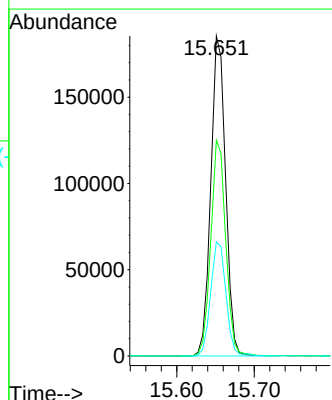
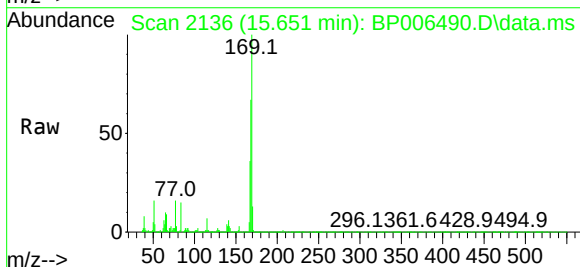
Instrument :  
BNA\_P  
ClientSampleId :  
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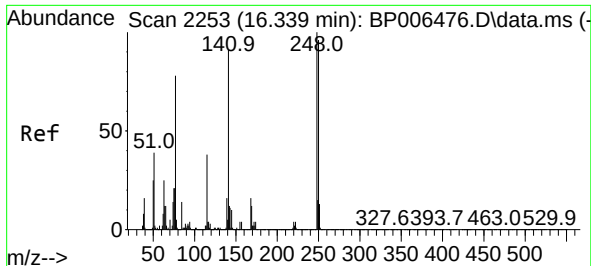
Tgt Ion:198 Resp: 33888  
Ion Ratio Lower Upper  
198 100  
51 52.2 14.0 54.0  
105 60.0 19.5 59.5#



#66  
n-Nitrosodiphenylamine  
Concen: 9.672 ng  
RT: 15.651 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:169 Resp: 245521  
Ion Ratio Lower Upper  
169 100  
168 67.4 54.4 81.6  
167 35.6 29.0 43.6

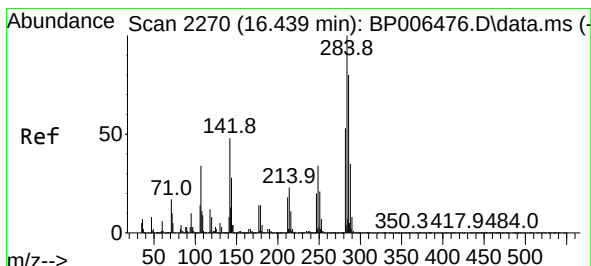
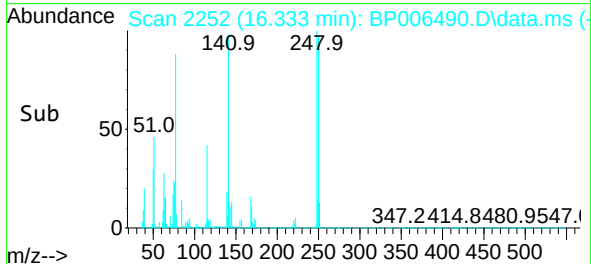
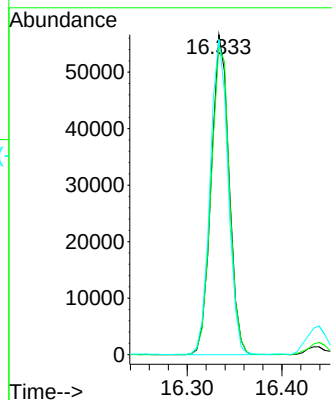
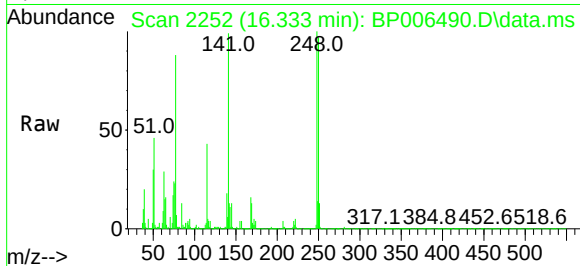




#67  
4-Bromophenyl-phenylether  
Concen: 9.560 ng  
RT: 16.333 min Scan# 2252  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

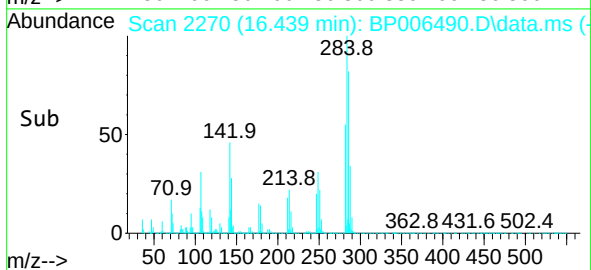
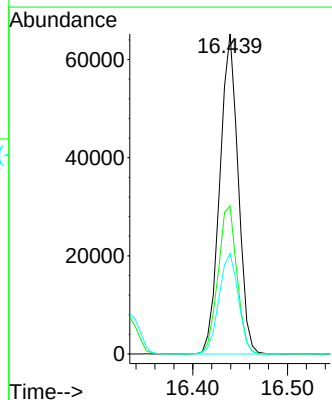
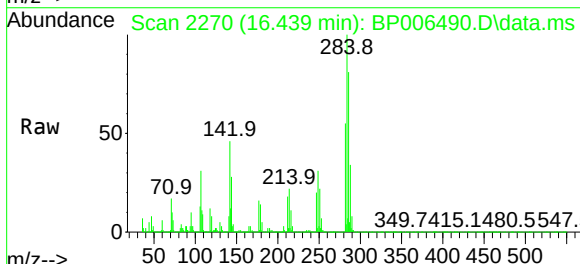
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

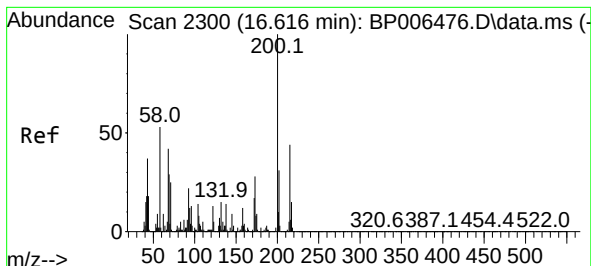
Tgt Ion:248 Resp: 74084  
Ion Ratio Lower Upper  
248 100  
250 96.6 79.8 119.8  
141 98.5 57.8 86.6#



#68  
Hexachlorobenzene  
Concen: 9.935 ng  
RT: 16.439 min Scan# 2270  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:284 Resp: 87614  
Ion Ratio Lower Upper  
284 100  
142 46.3 26.9 40.3#  
249 31.4 24.5 36.7





#69

Atrazine

Concen: 7.932 ng

RT: 16.610 min Scan# 2299

Delta R.T. -0.006 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

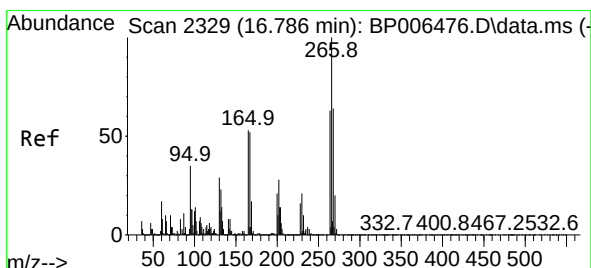
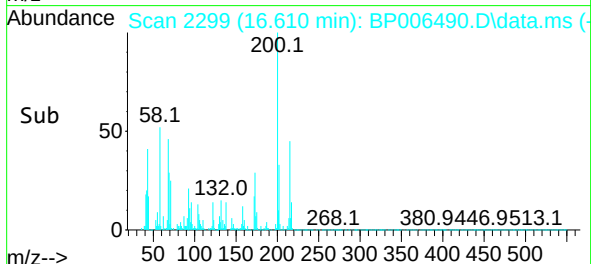
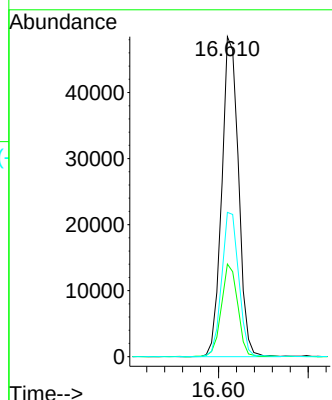
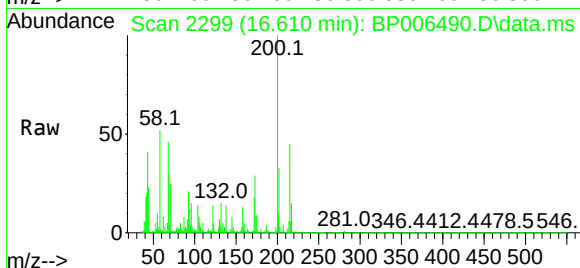
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 62835 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 28.9  | 4.1   | 44.1  |
| 215       | 45.1  | 27.7  | 67.7  |

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021



#70

Pentachlorophenol

Concen: 8.746 ng

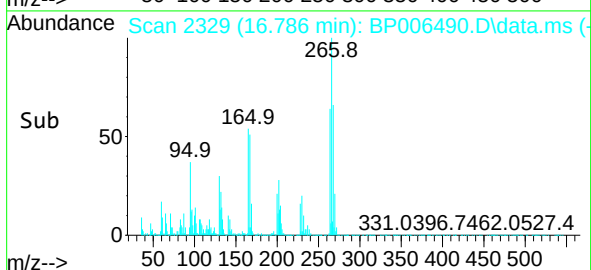
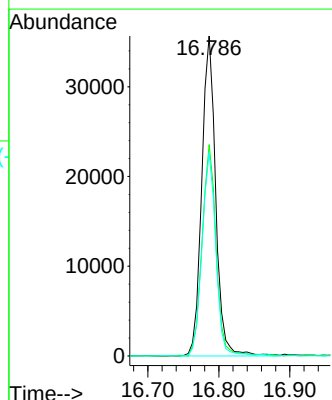
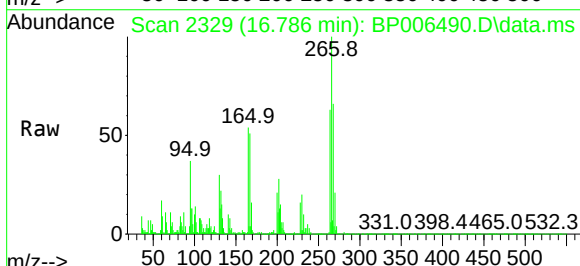
RT: 16.786 min Scan# 2329

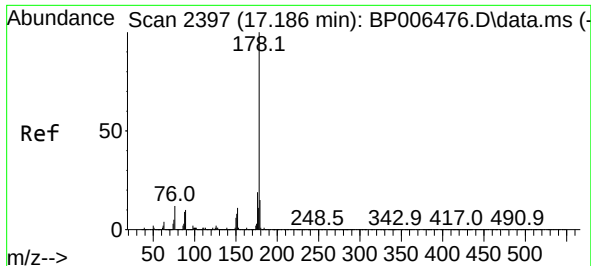
Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 48936 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 66.0  | 51.6  | 77.4  |
| 264       | 63.5  | 50.3  | 75.5  |

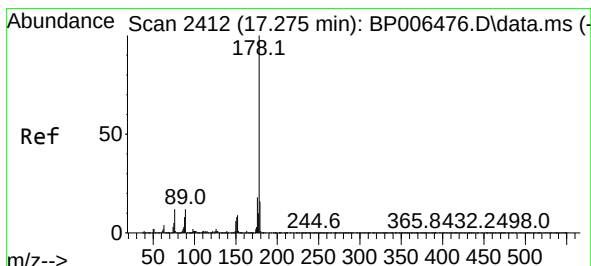
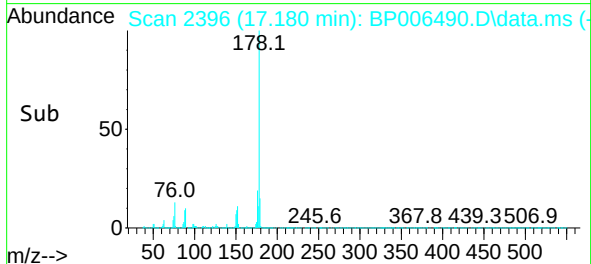
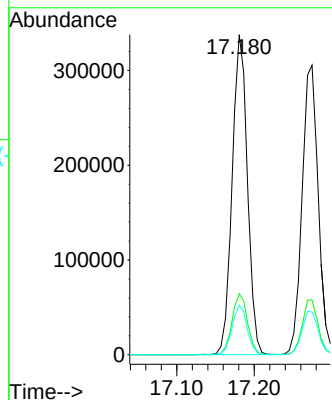
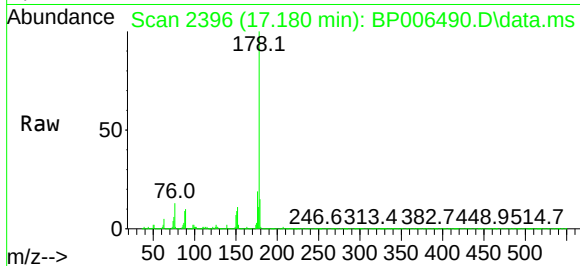




#71  
Phenanthrene  
Concen: 10.153 ng  
RT: 17.180 min Scan# 2396  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

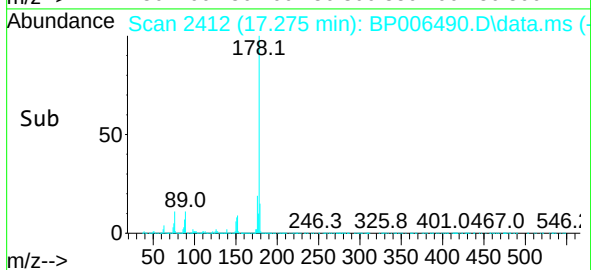
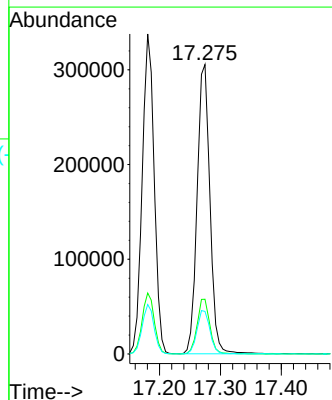
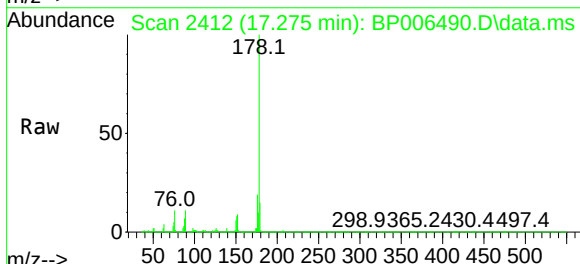
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

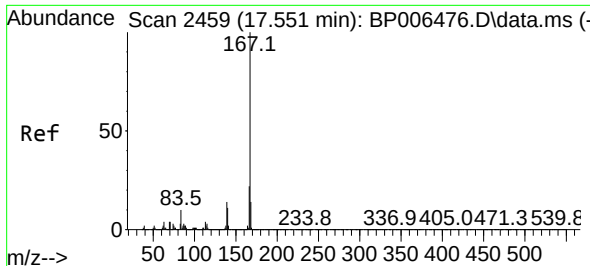
Tgt Ion:178 Resp: 462523  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.1 22.7  
179 15.5 12.4 18.6



#72  
Anthracene  
Concen: 10.137 ng  
RT: 17.275 min Scan# 2412  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:178 Resp: 446203  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.9 22.3  
179 14.7 12.2 18.2

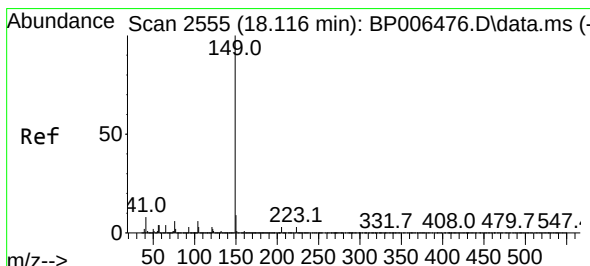
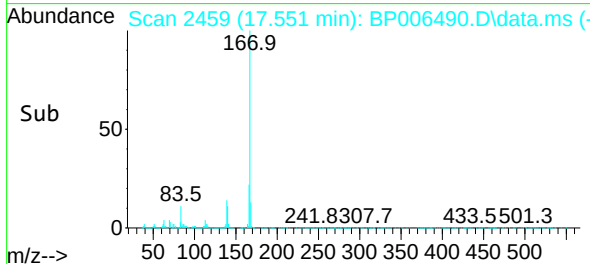
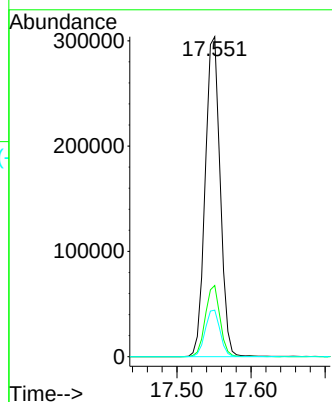
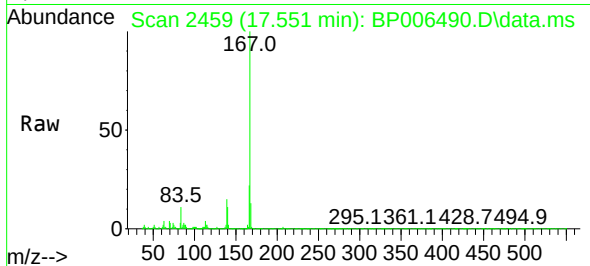




#73  
 Carbazole  
 Concen: 9.498 ng  
 RT: 17.551 min Scan# 2459  
 Delta R.T. -0.000 min  
 Lab File: BP006490.D  
 Acq: 04 Aug 2021 11:47

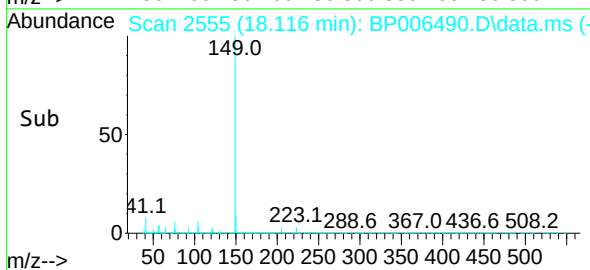
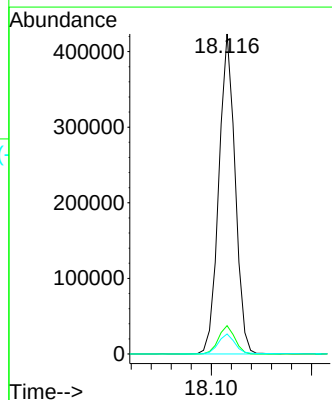
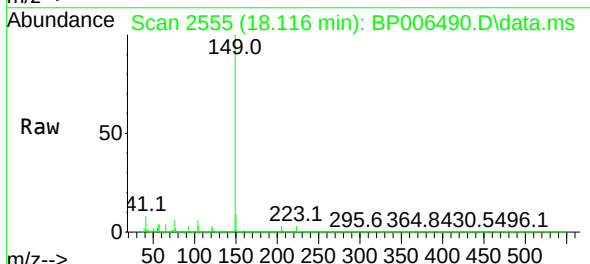
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

|             |              |
|-------------|--------------|
| Tgt Ion:167 | Resp: 426477 |
| Ion Ratio   | Lower Upper  |
| 167 100     |              |
| 166 22.2    | 17.1 25.7    |
| 139 14.5    | 10.7 16.1    |

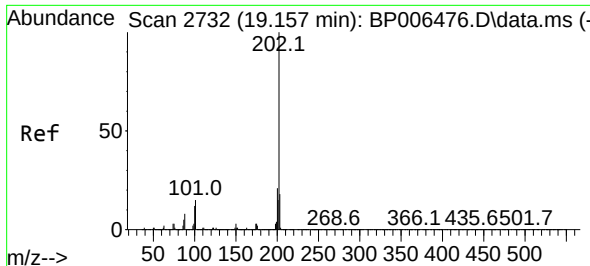


#74  
 Di-n-butylphthalate  
 Concen: 9.296 ng  
 RT: 18.116 min Scan# 2555  
 Delta R.T. -0.000 min  
 Lab File: BP006490.D  
 Acq: 04 Aug 2021 11:47

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 475550 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 150 8.9     | 7.3 10.9     |
| 104 6.2     | 4.5 6.7      |



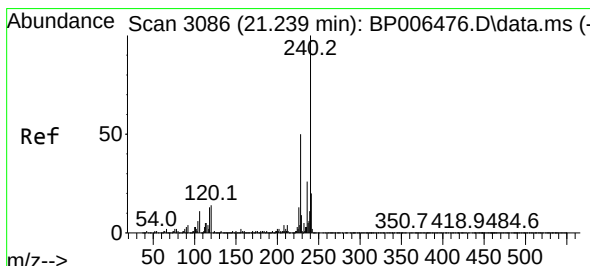
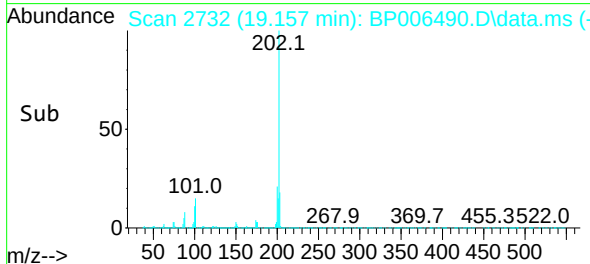
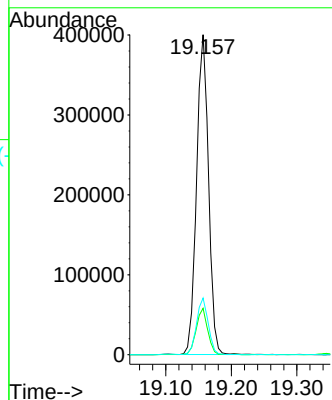
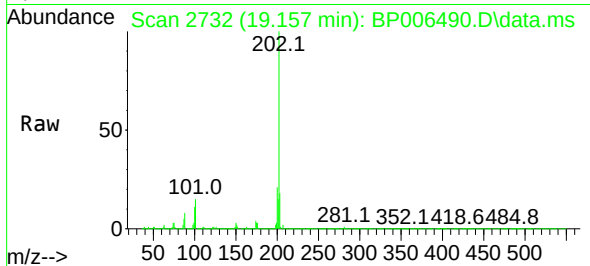




#75  
Fluoranthene  
Concen: 9.926 ng  
RT: 19.157 min Scan# 2732  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

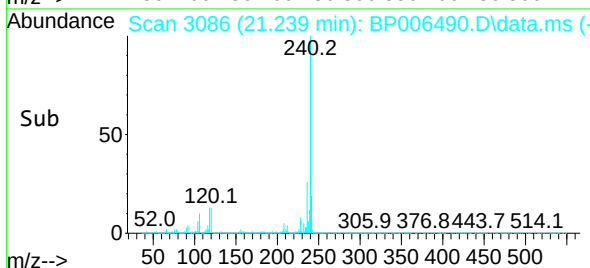
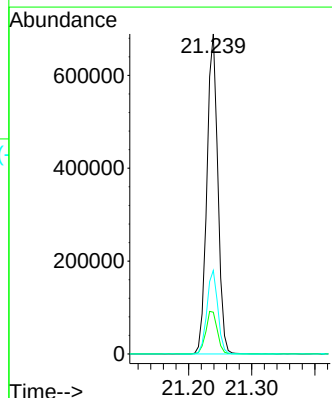
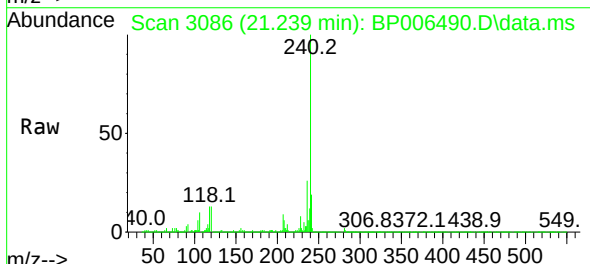
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

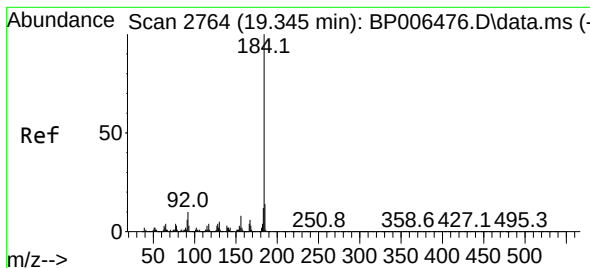
|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 507513 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 101 14.5    | 0.0 27.6     |
| 203 17.7    | 0.0 37.8     |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.239 min Scan# 3086  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

|             |              |
|-------------|--------------|
| Tgt Ion:240 | Resp: 831494 |
| Ion Ratio   | Lower Upper  |
| 240 100     |              |
| 120 13.1    | 6.5 9.7#     |
| 236 26.1    | 20.6 31.0    |





#77

Benzidine

Concen: 9.171 ng

RT: 19.345 min Scan# 2764

Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

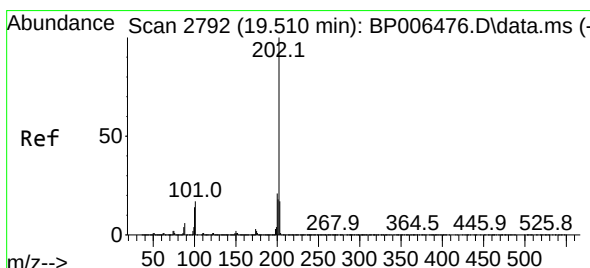
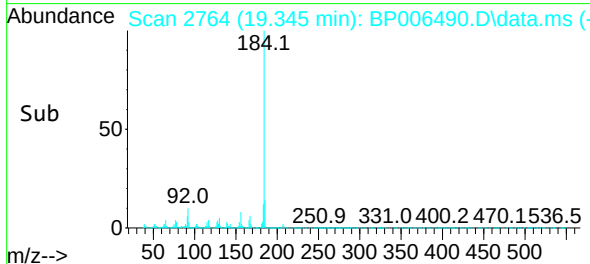
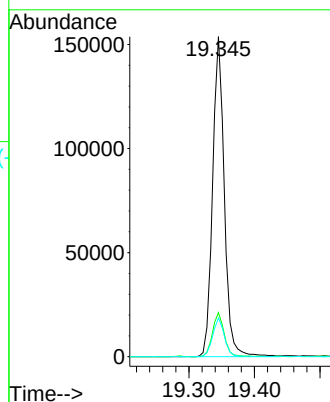
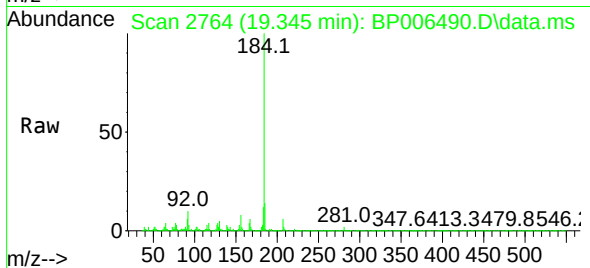
Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

|             |                |
|-------------|----------------|
| Tgt Ion:184 | Resp: 190825   |
| Ion Ratio   | Lower Upper    |
| 184         | 100            |
| 185         | 13.8 11.0 16.4 |
| 183         | 12.1 9.5 14.3  |



#78

Pyrene

Concen: 9.634 ng

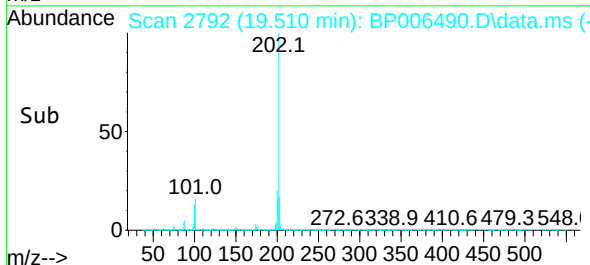
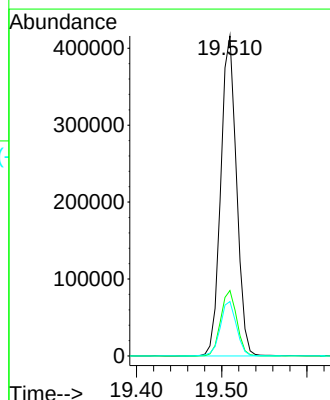
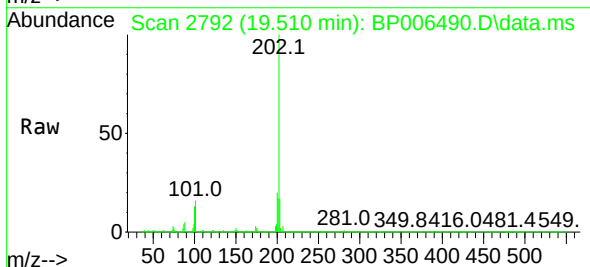
RT: 19.510 min Scan# 2792

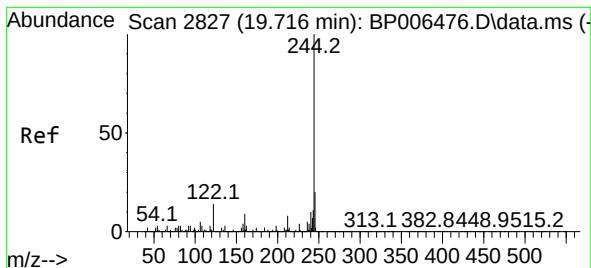
Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

|             |                |
|-------------|----------------|
| Tgt Ion:202 | Resp: 535062   |
| Ion Ratio   | Lower Upper    |
| 202         | 100            |
| 200         | 20.4 16.3 24.5 |
| 203         | 17.0 14.2 21.2 |

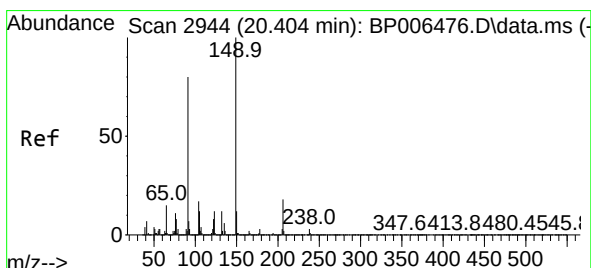
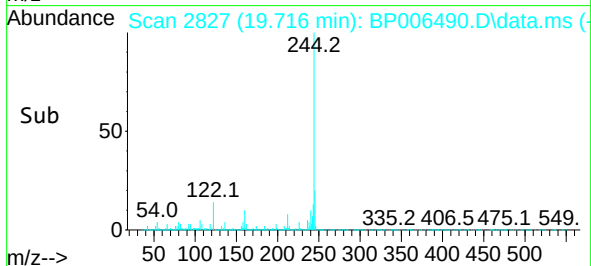
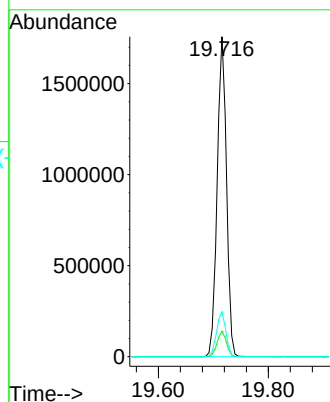
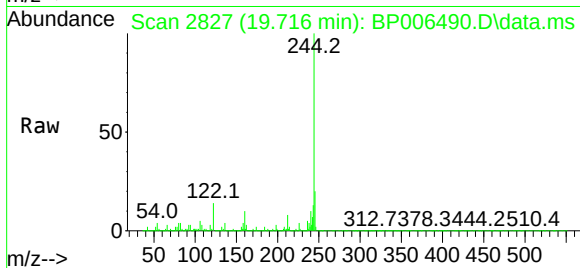




#79  
Terphenyl-d14  
Concen: 49.950 ng  
RT: 19.716 min Scan# 2827  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

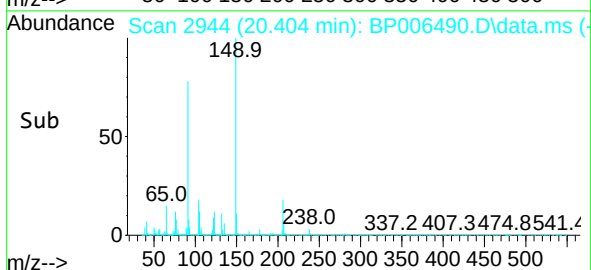
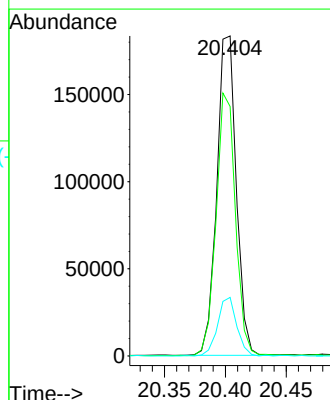
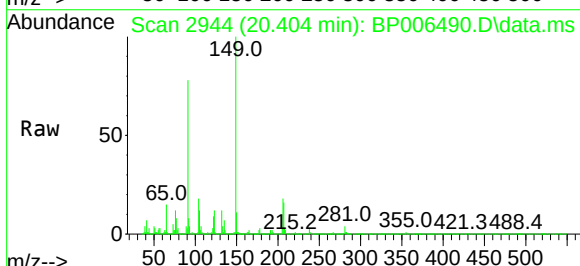
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

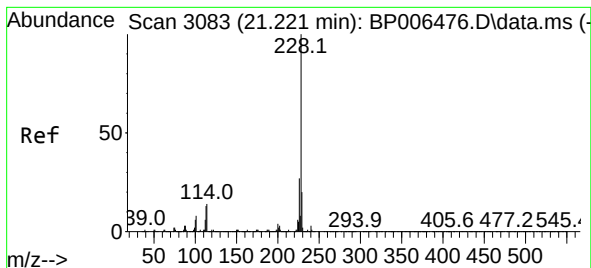
Tgt Ion:244 Resp: 2072734  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.0 9.0  
122 14.0 7.1 10.7#



#80  
Butylbenzylphthalate  
Concen: 8.368 ng  
RT: 20.404 min Scan# 2944  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:149 Resp: 204361  
Ion Ratio Lower Upper  
149 100  
91 77.9 54.6 81.8  
206 18.3 16.7 25.1





#81

Benzo(a)anthracene

Concen: 9.616 ng

RT: 21.221 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

Tgt Ion:228 Resp: 522544

Ion Ratio Lower Upper

228 100

226 26.5 21.6 32.4

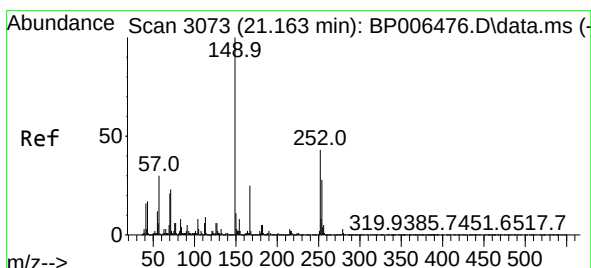
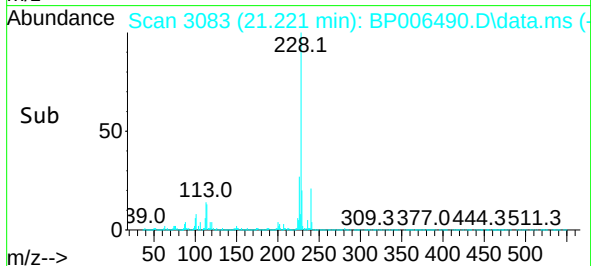
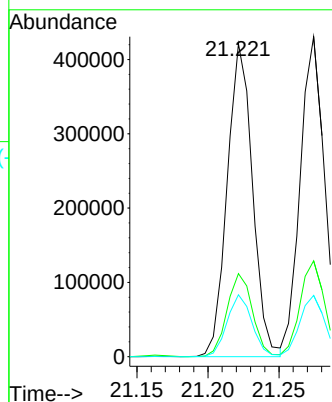
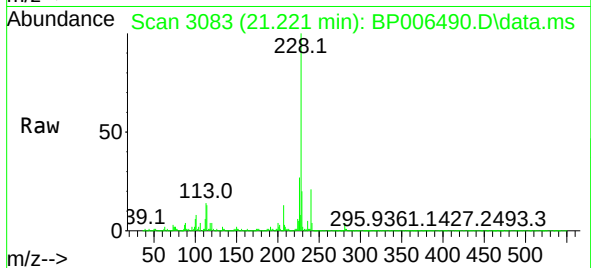
229 19.8 15.8 23.6

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021



#82

3,3'-Dichlorobenzidine

Concen: 9.532 ng

RT: 21.163 min Scan# 3073

Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

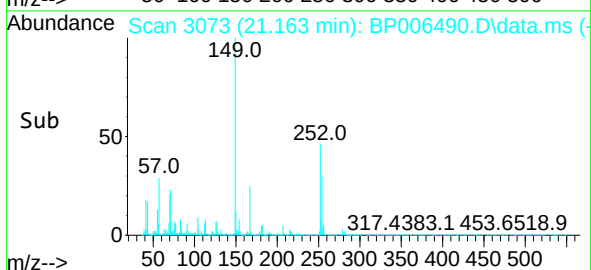
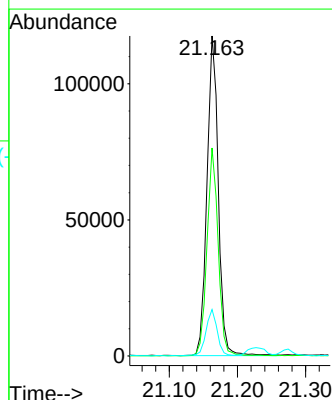
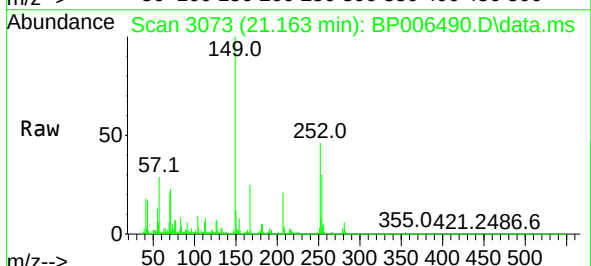
Tgt Ion:252 Resp: 135984

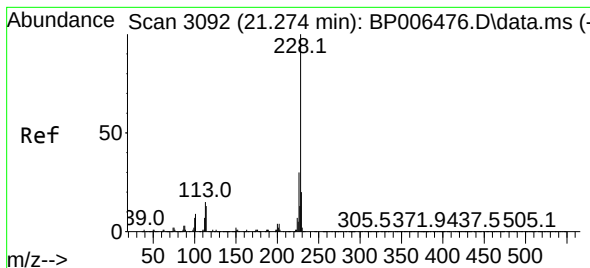
Ion Ratio Lower Upper

252 100

254 65.0 50.6 76.0

126 14.5 7.0 10.6#





#83

Chrysene

Concen: 9.760 ng

RT: 21.274 min Scan# 3092

Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

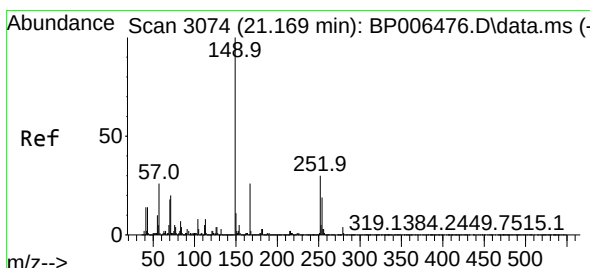
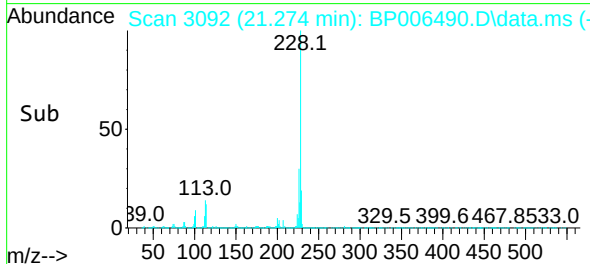
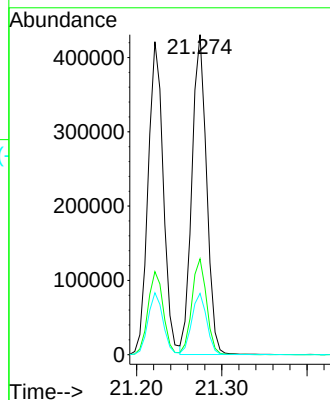
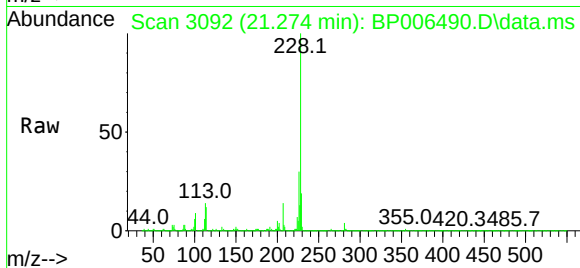
Tgt Ion:228 Resp: 514175

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 19.1 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.469 ng

RT: 21.168 min Scan# 3074

Delta R.T. -0.000 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

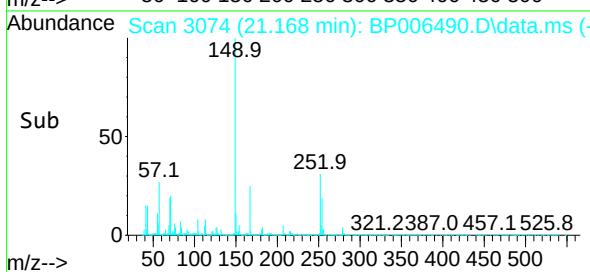
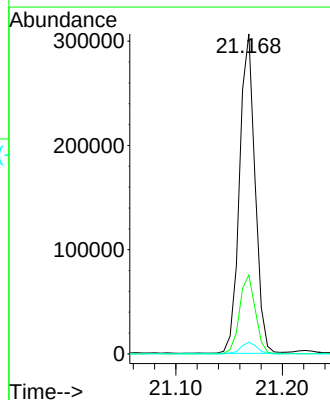
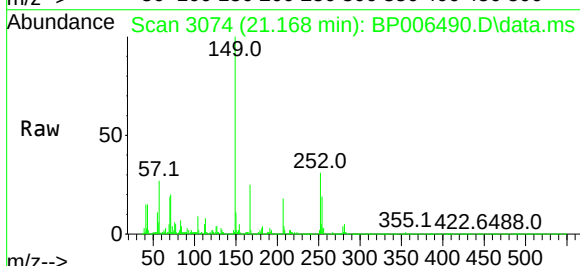
Tgt Ion:149 Resp: 310802

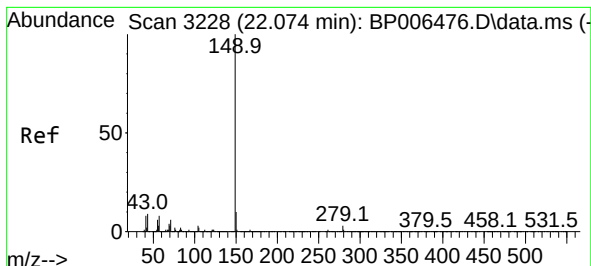
Ion Ratio Lower Upper

149 100

167 24.7 21.9 32.9

279 3.7 4.3 6.5#

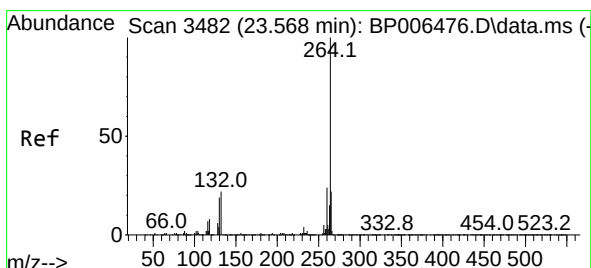
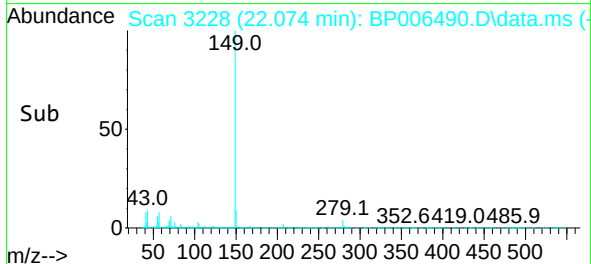
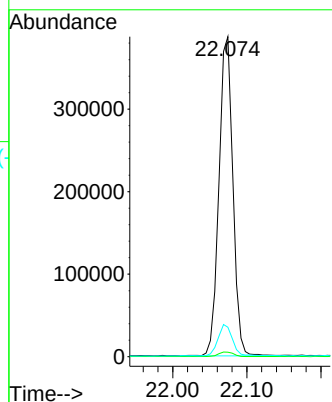
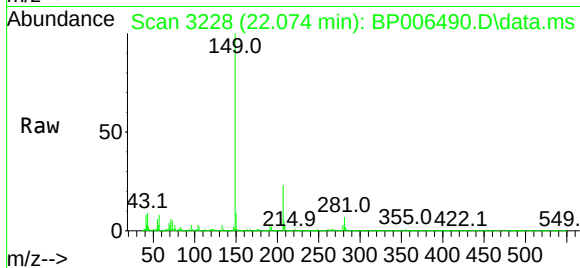




#85  
Di-n-octyl phthalate  
Concen: 8.374 ng  
RT: 22.074 min Scan# 3228  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

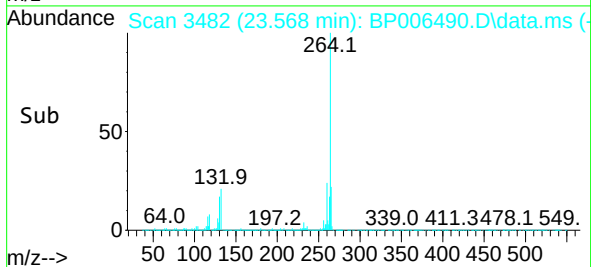
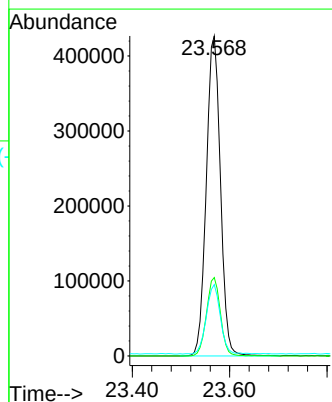
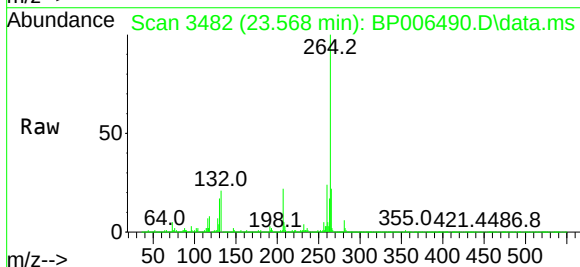
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

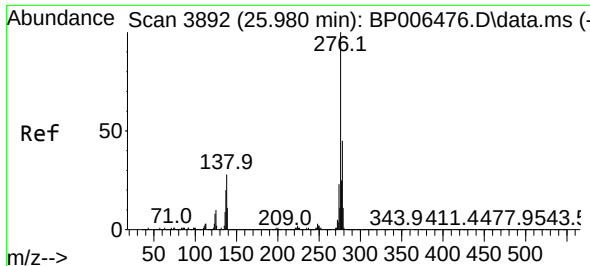
Tgt Ion:149 Resp: 506583  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 10.3 5.6 8.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.568 min Scan# 3482  
Delta R.T. -0.000 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:264 Resp: 856402  
Ion Ratio Lower Upper  
264 100  
260 24.5 18.6 28.0  
265 22.3 17.6 26.4

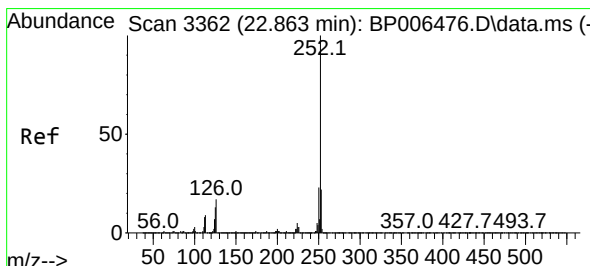
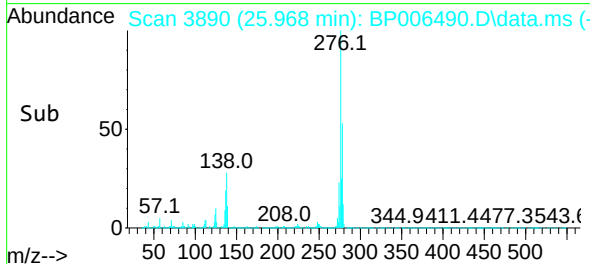
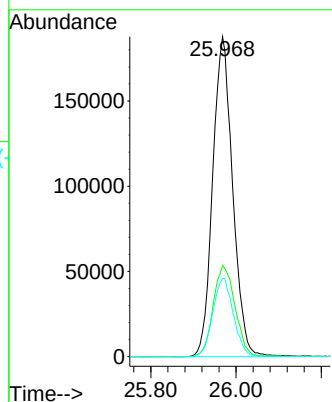
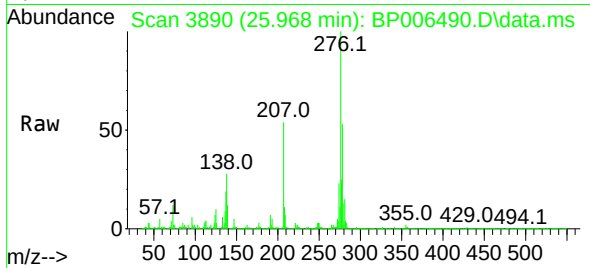




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 9.817 ng  
RT: 25.968 min Scan# 3890  
Delta R.T. -0.012 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

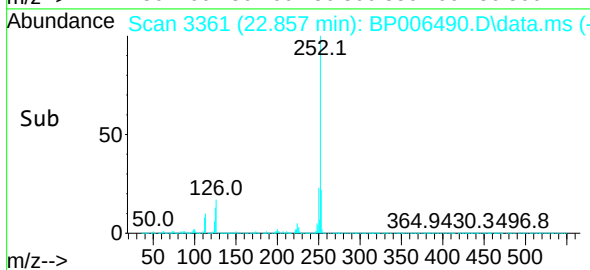
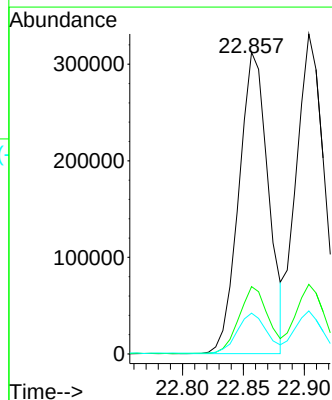
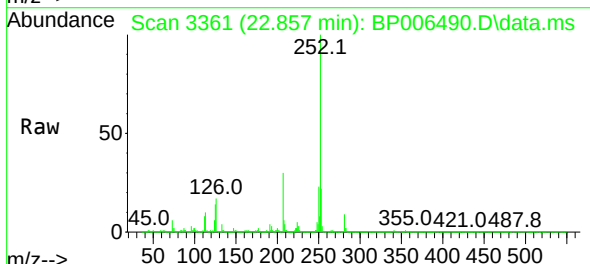
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

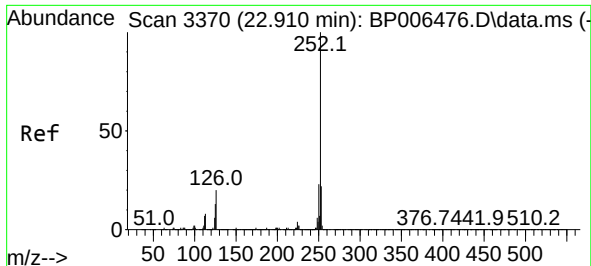
Tgt Ion:276 Resp: 609594  
Ion Ratio Lower Upper  
276 100  
138 31.1 15.3 22.9#  
277 25.4 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 9.465 ng  
RT: 22.857 min Scan# 3361  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:252 Resp: 526828  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.5 26.3  
125 13.5 6.2 9.4#

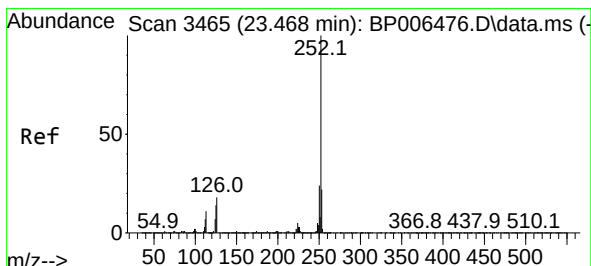
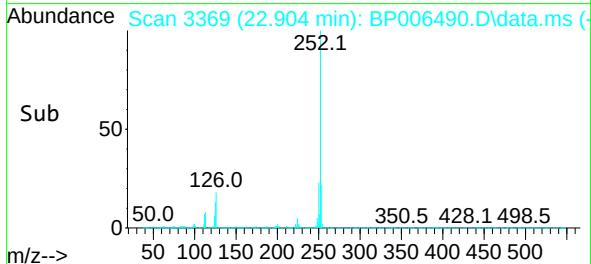
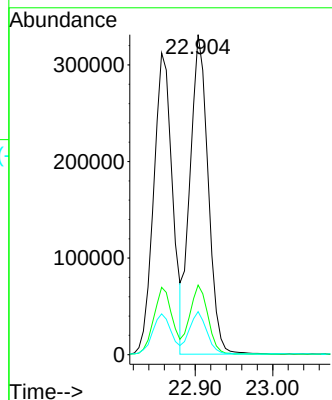
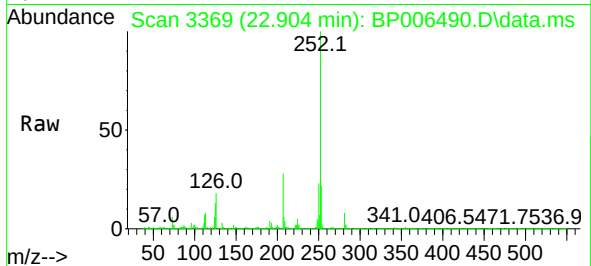




#89  
Benzo(k)fluoranthene  
Concen: 10.029 ng  
RT: 22.904 min Scan# 3369  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

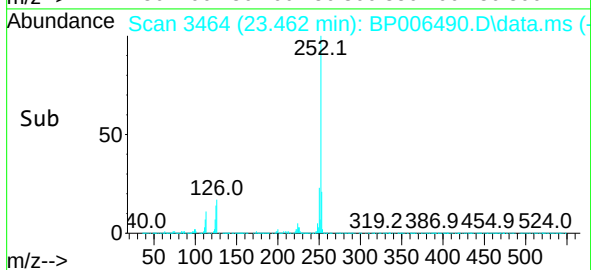
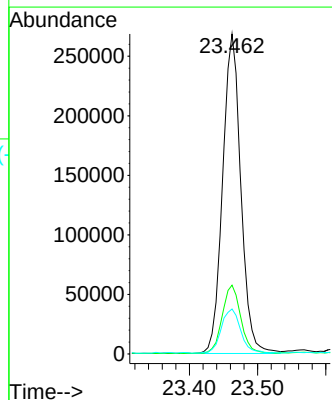
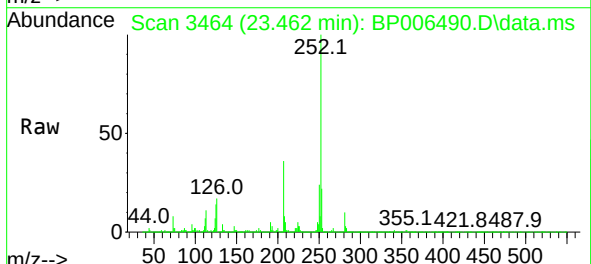
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

Tgt Ion:252 Resp: 535964  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.6 26.4  
125 13.4 6.0 9.0#

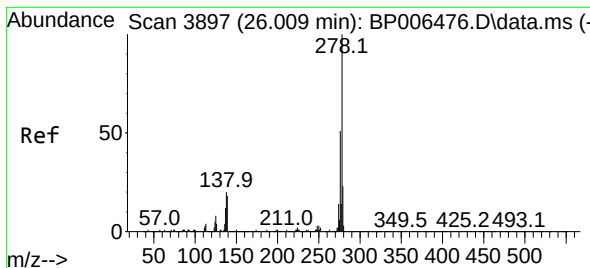


#90  
Benzo(a)pyrene  
Concen: 9.995 ng  
RT: 23.462 min Scan# 3464  
Delta R.T. -0.006 min  
Lab File: BP006490.D  
Acq: 04 Aug 2021 11:47

Tgt Ion:252 Resp: 498994  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.9 26.9  
125 14.1 6.5 9.7#







#91

Dibenzo(a,h)anthracene

Concen: 9.856 ng

RT: 25.986 min Scan# 3893

Delta R.T. -0.024 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

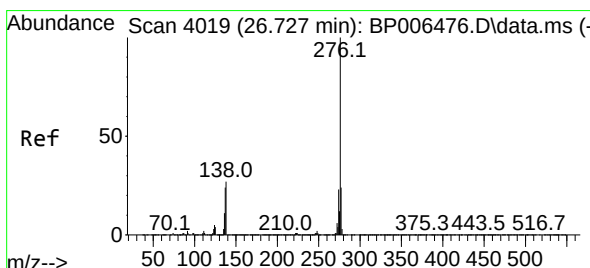
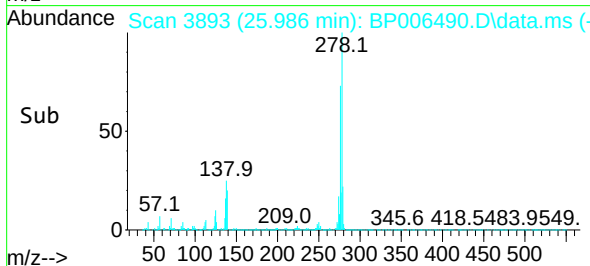
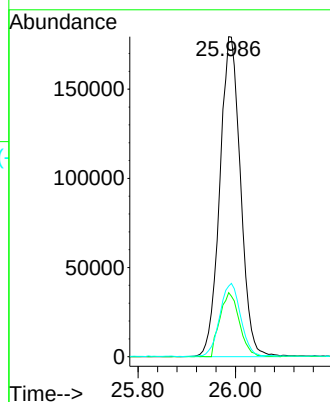
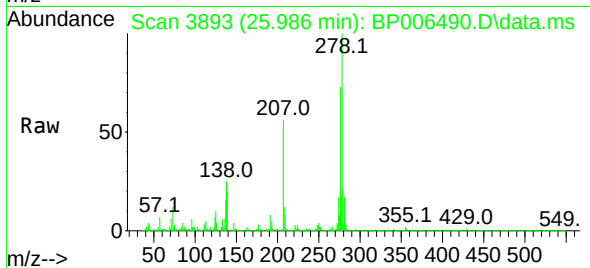
Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 529194 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 20.0  | 9.3   | 13.9#  |
| 279       | 22.1  | 18.8  | 28.2   |



#92

Benzo(g,h,i)perylene

Concen: 9.902 ng

RT: 26.703 min Scan# 4015

Delta R.T. -0.024 min

Lab File: BP006490.D

Acq: 04 Aug 2021 11:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 509463 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.9  | 18.9  | 28.3   |
| 138       | 26.8  | 12.6  | 18.8#  |

