

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031521\  
 Data File : BM029137.D  
 Acq On : 15 Mar 2021 19:25  
 Operator : CG/JU  
 Sample : M1678-01MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D2470-D2800(SOIL)-AMS

Quant Time: Mar 16 00:29:52 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 12 12:30:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.610  | 152  | 8109     | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.404 | 136  | 32245    | 20.00 | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.286 | 164  | 18084    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.039 | 188  | 36136    | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.221 | 240  | 38859    | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 23.356 | 264  | 41061    | 20.00 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.204  | 112  | 3467     | 7.09  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.816  | 99   | 21812    | 33.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.792  | 82   | 47694    | 79.80 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.792 | 330  | 789      | 3.68  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.898 | 172  | 96145    | 70.78 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.668 | 244  | 121984   | 57.96 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.046  | 88   | 7868     | 42.77 | ng    | # 52     |
| 3) Pyridine                   | 3.463  | 79   | 21116    | 43.50 | ng    | # 33     |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 17155    | 63.25 | ng    | # 37     |
| 6) Aniline                    | 6.957  | 93   | 4637     | 6.71  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.181  | 128  | 26297    | 45.25 | ng    | 96       |
| 9) Benzaldehyde               | 6.769  | 77   | 18775    | 53.31 | ng    | # 79     |
| 10) Phenol                    | 6.840  | 94   | 30715    | 47.83 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.057  | 93   | 22154    | 45.48 | ng    | 86       |
| 12) 1,3-Dichlorobenzene       | 7.498  | 146  | 28494    | 44.96 | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 7.645  | 146  | 28718    | 44.68 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.957  | 146  | 27844    | 45.02 | ng    | 97       |
| 15) Benzyl Alcohol            | 7.875  | 79   | 21845    | 47.27 | ng    | 90       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.157  | 45   | 39377    | 52.49 | ng    | 69       |
| 17) 2-Methylphenol            | 8.086  | 107  | 20273    | 46.49 | ng    | # 90     |
| 18) Hexachloroethane          | 8.669  | 117  | 11094    | 47.50 | ng    | 88       |
| 19) n-Nitroso-di-n-propyla... | 8.434  | 70   | 17398    | 45.77 | ng    | # 52     |
| 20) 3+4-Methylphenols         | 8.416  | 107  | 27204    | 46.37 | ng    | 92       |
| 22) Acetophenone              | 8.451  | 105  | 36844    | 46.85 | ng    | # 83     |
| 24) Nitrobenzene              | 8.834  | 77   | 26451    | 43.53 | ng    | # 88     |
| 25) Isophorone                | 9.351  | 82   | 46723    | 44.43 | ng    | 96       |
| 26) 2-Nitrophenol             | 9.539  | 139  | 13441    | 43.79 | ng    | 89       |
| 27) 2,4-Dimethylphenol        | 9.610  | 122  | 22445    | 48.73 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 9.839  | 93   | 28297    | 47.36 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.075 | 162  | 23112    | 43.86 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.269 | 180  | 25200    | 43.61 | ng    | 98       |
| 31) Naphthalene               | 10.451 | 128  | 80520    | 45.29 | ng    | 99       |
| 32) Benzoic acid              | 9.798  | 122  | 16337    | 49.48 | ng    | 94       |
| 33) 4-Chloroaniline           | 10.592 | 127  | 4451     | 6.23  | ng    | 95       |
| 34) Hexachlorobutadiene       | 10.716 | 225  | 15870    | 45.81 | ng    | 96       |
| 35) Caprolactam               | 11.410 | 113  | 6818     | 47.29 | ng    | # 34     |
| 36) 4-Chloro-3-methylphenol   | 11.739 | 107  | 23597    | 44.43 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.074 | 142  | 54512    | 43.58 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.298 | 142  | 50097    | 42.29 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 25884    | 45.78 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.416 | 237  | 20762    | 96.33 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 12.716 | 196  | 17776    | 44.85 | ng    | 99       |

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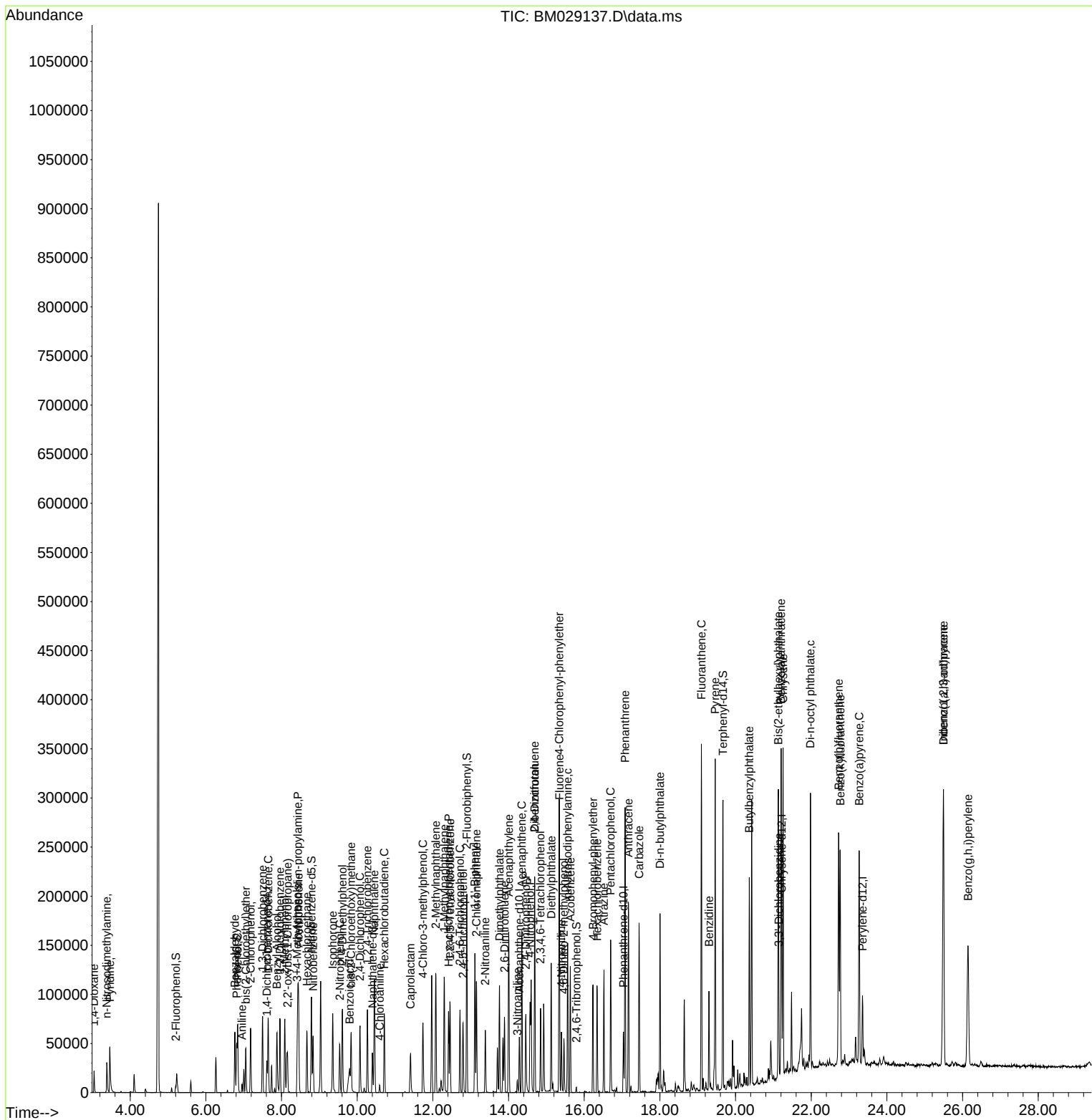
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D2470-D2800(SOIL)-AMS

Quant Time: Mar 16 00:29:52 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 12 12:30:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.798 | 196  | 19137    | 44.99 | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 13.110 | 154  | 65714    | 45.31 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.151 | 162  | 51066    | 43.13 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.386 | 65   | 15884    | 49.88 | ng    | 90       |
| 49) Acenaphthylene            | 14.010 | 152  | 86311    | 47.47 | ng    | 99       |
| 50) Dimethylphthalate         | 13.763 | 163  | 66357    | 48.42 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.892 | 165  | 13660    | 42.75 | ng    | 93       |
| 52) Acenaphthene              | 14.351 | 154  | 51713    | 46.38 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.233 | 138  | 3254     | 10.45 | ng    | 81       |
| 54) 2,4-Dinitrophenol         | 14.457 | 184  | 16342    | 99.99 | ng    | 92       |
| 55) Dibenzofuran              | 14.692 | 168  | 79866    | 45.62 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.568 | 139  | 22773    | 89.17 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 19763    | 47.35 | ng    | # 74     |
| 58) Fluorene                  | 15.345 | 166  | 67042    | 47.78 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.845 | 232  | 14877    | 43.52 | ng    | 90       |
| 60) Diethylphthalate          | 15.127 | 149  | 65321    | 47.37 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.339 | 204  | 30173    | 45.07 | ng    | # 88     |
| 62) 4-Nitroaniline            | 15.398 | 138  | 12978    | 43.12 | ng    | 95       |
| 63) Azobenzene                | 15.633 | 77   | 58406    | 45.91 | ng    | # 83     |
| 65) 4,6-Dinitro-2-methylph... | 15.462 | 198  | 9964     | 39.16 | ng    | # 62     |
| 66) n-Nitrosodiphenylamine    | 15.562 | 169  | 52468    | 42.45 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.233 | 248  | 17332    | 42.75 | ng    | # 89     |
| 68) Hexachlorobenzene         | 16.339 | 284  | 19112    | 42.30 | ng    | # 88     |
| 69) Atrazine                  | 16.521 | 200  | 19706    | 51.24 | ng    | 97       |
| 70) Pentachlorophenol         | 16.698 | 266  | 23774    | 98.36 | ng    | 100      |
| 71) Phenanthrene              | 17.080 | 178  | 153861   | 71.50 | ng    | 99       |
| 72) Anthracene                | 17.168 | 178  | 111204   | 52.17 | ng    | 99       |
| 73) Carbazole                 | 17.451 | 167  | 95366    | 46.63 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.003 | 149  | 116457   | 50.08 | ng    | 99       |
| 75) Fluoranthene              | 19.098 | 202  | 185134   | 78.29 | ng    | 98       |
| 77) Benzidine                 | 19.298 | 184  | 49081    | 38.33 | ng    | 100      |
| 78) Pyrene                    | 19.462 | 202  | 182157   | 63.81 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.362 | 149  | 56128    | 45.67 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.203 | 228  | 153546   | 56.94 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.144 | 252  | 15656    | 16.81 | ng    | # 96     |
| 83) Chrysene                  | 21.256 | 228  | 144187   | 54.87 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.133 | 149  | 89456    | 50.58 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 21.980 | 149  | 156304   | 52.09 | ng    | # 87     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.497 | 276  | 161698   | 52.19 | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 22.727 | 252  | 156020   | 53.79 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 22.768 | 252  | 129438   | 46.98 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 23.268 | 252  | 137409   | 51.92 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 25.497 | 278  | 126484   | 46.97 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 26.144 | 276  | 133259   | 51.25 | ng    | # 92     |

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

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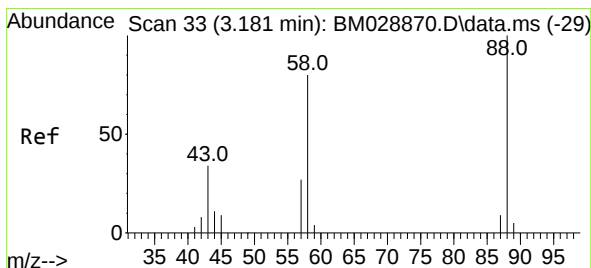
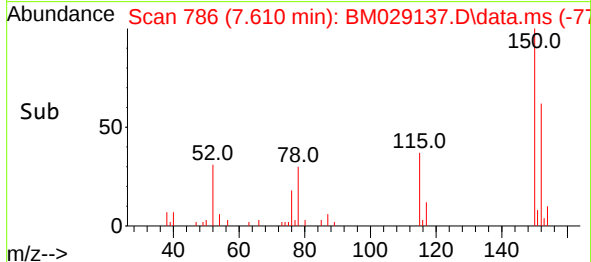
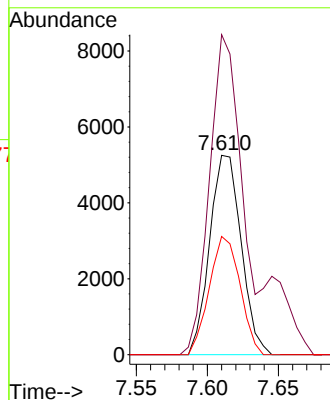
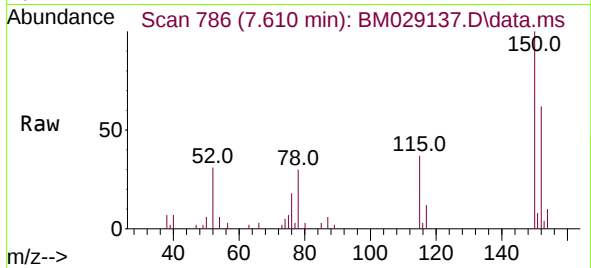




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.610 min Scan# 786  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

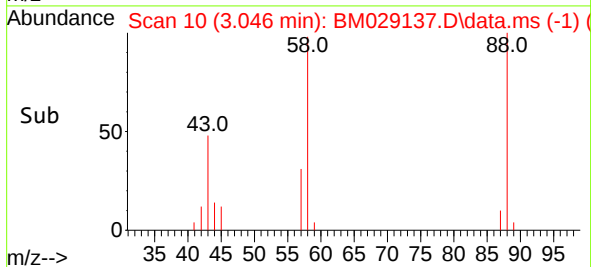
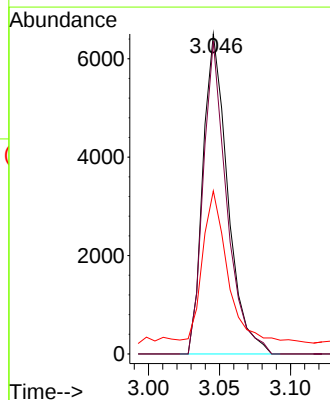
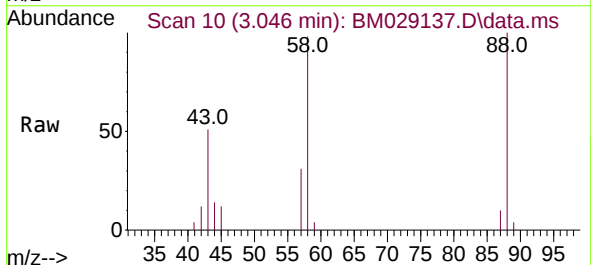
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion:152 Resp: 8109  
Ion Ratio Lower Upper  
152 100  
150 160.5 120.6 181.0  
115 59.3 47.2 70.8



#2  
1,4-Dioxane  
Concen: 42.77 ng  
RT: 3.046 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion: 88 Resp: 7868  
Ion Ratio Lower Upper  
88 100  
58 92.7 46.2 69.2#  
43 48.7 19.0 28.6#

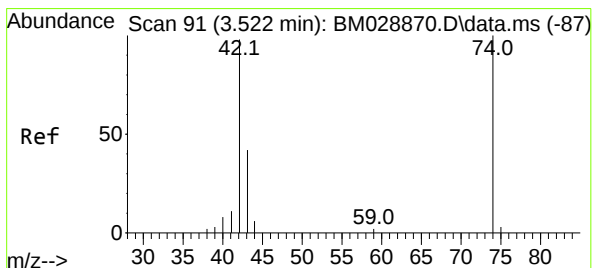
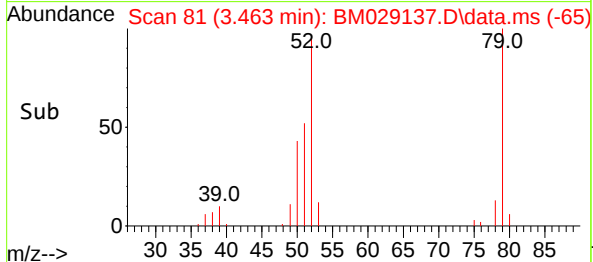
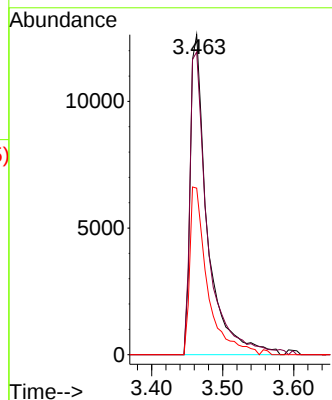
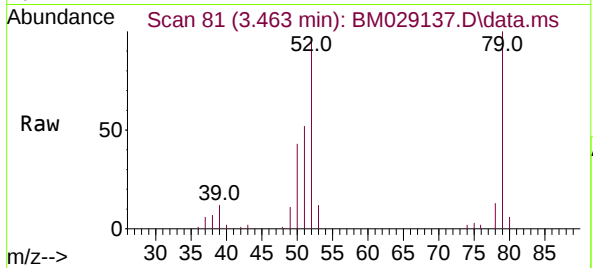




#3  
Pyridine  
Concen: 43.50 ng  
RT: 3.463 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

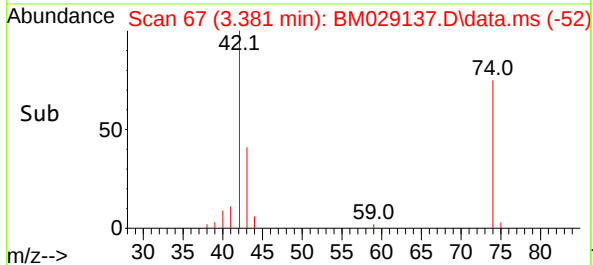
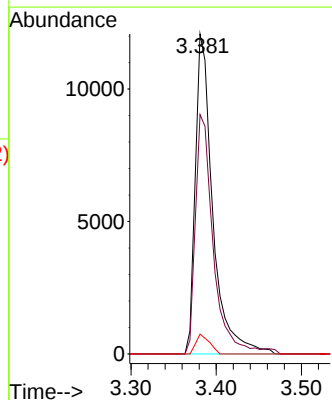
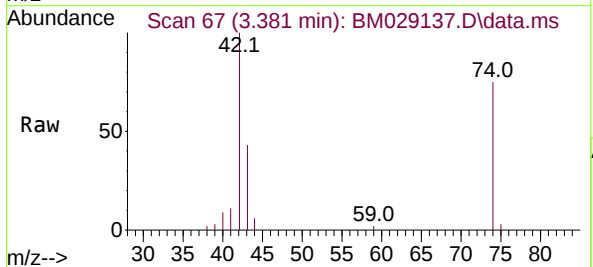
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 21116 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 94.6  | 35.8  | 53.8# |
| 51       | 52.1  | 21.0  | 31.6# |



#4  
n-Nitrosodimethylamine  
Concen: 63.25 ng  
RT: 3.381 min Scan# 67  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 17155  |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 74.8  | 127.8 | 191.6# |
| 44       | 6.2   | 4.1   | 6.1#   |

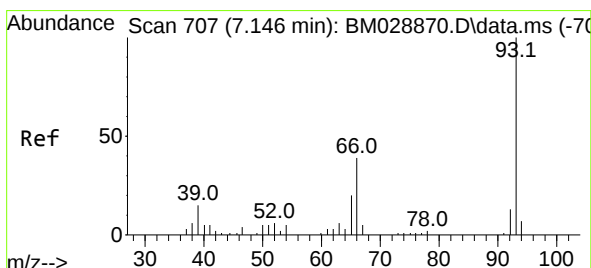
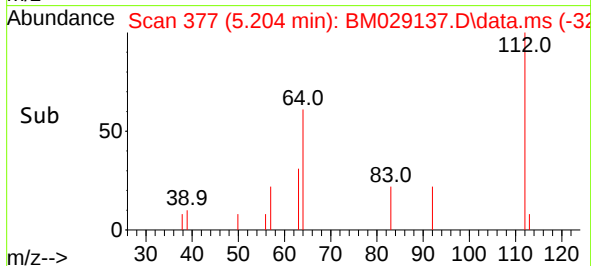
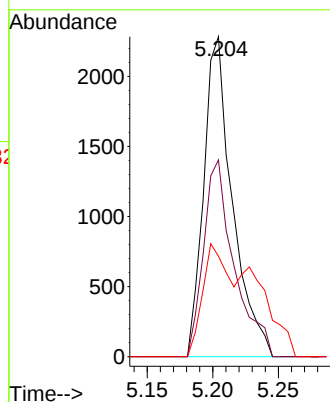
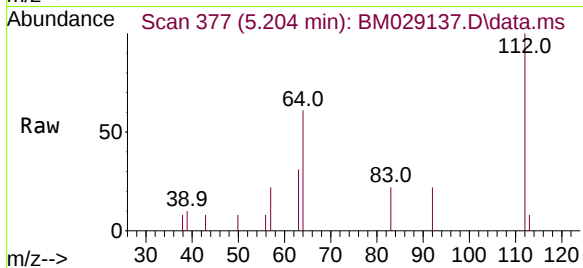




#5  
2-Fluorophenol  
Concen: 7.09 ng  
RT: 5.204 min Scan# 377  
Delta R.T. 0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

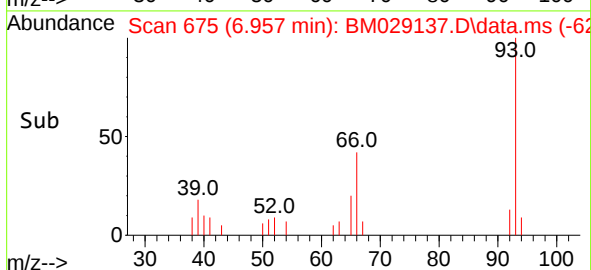
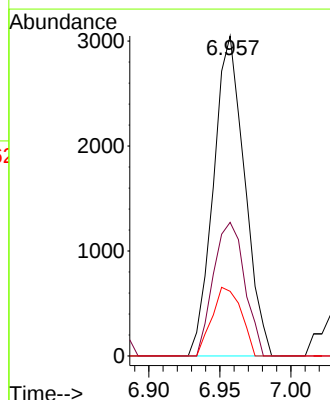
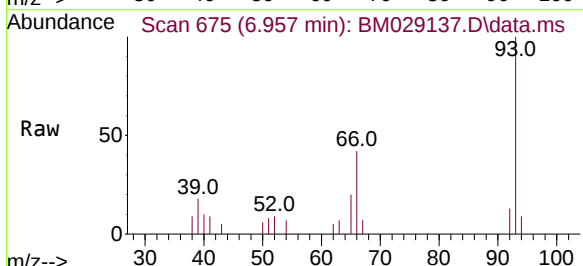
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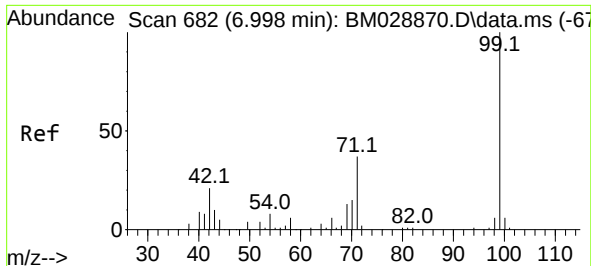
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|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 3467 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 61.5  | 50.6  | 76.0 |
| 63        | 31.4  | 31.0  | 46.6 |



#6  
Aniline  
Concen: 6.71 ng  
RT: 6.957 min Scan# 675  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 93    | Resp: | 4637 |
| Ion Ratio | Lower | Upper |      |
| 93        | 100   |       |      |
| 66        | 41.8  | 33.3  | 49.9 |
| 65        | 20.2  | 17.4  | 26.0 |

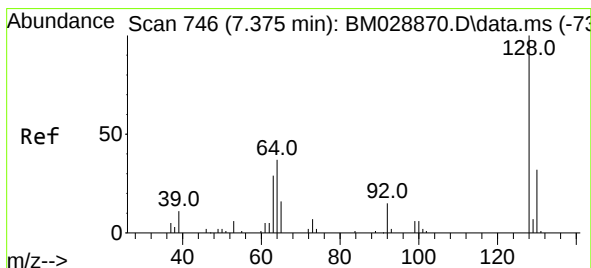
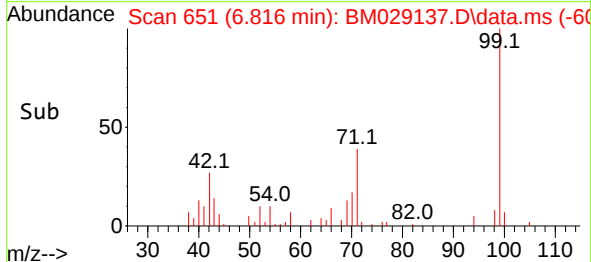
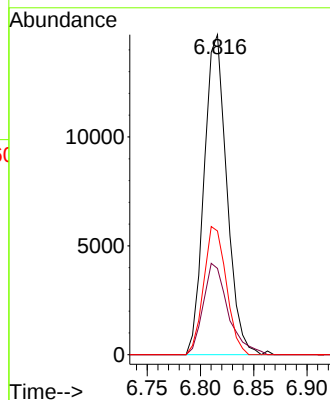
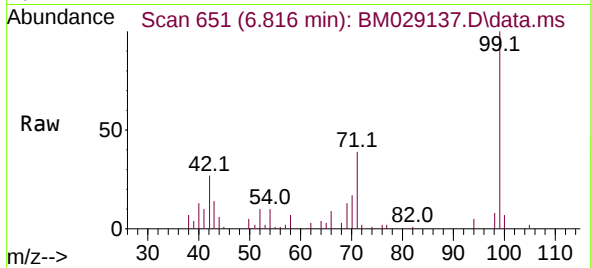




#7  
Phenol-d6  
Concen: 33.76 ng  
RT: 6.816 min Scan# 651  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

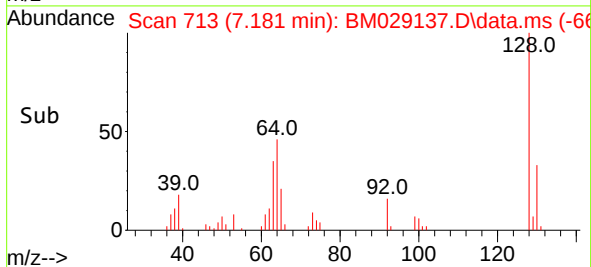
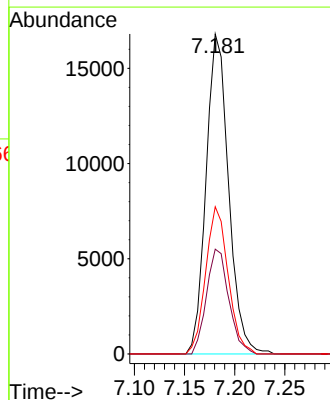
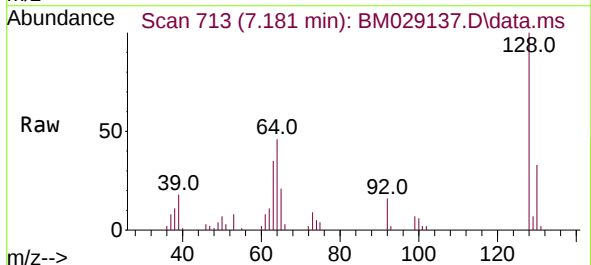
Instrument :  
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ClientSampleId :  
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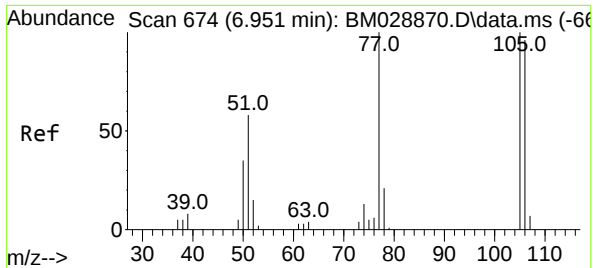
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|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 21812 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 27.0  | 13.5  | 20.3# |
| 71       | 38.6  | 39.4  | 59.0# |



#8  
2-Chlorophenol  
Concen: 45.25 ng  
RT: 7.181 min Scan# 713  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 26297 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 130      | 32.7  | 11.5  | 51.5  |
| 64       | 46.0  | 30.1  | 70.1  |

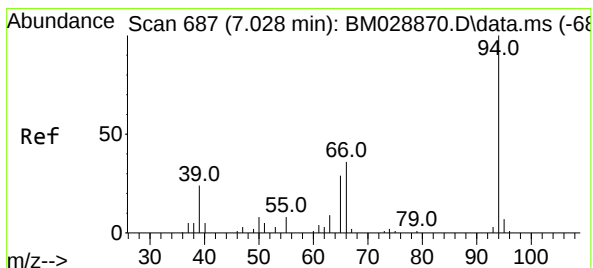
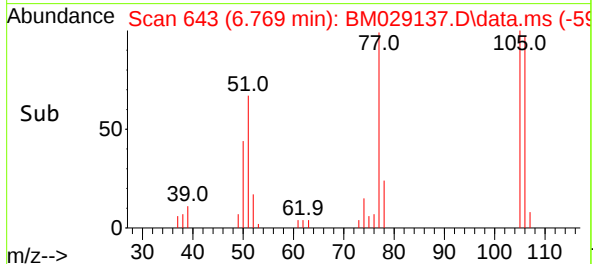
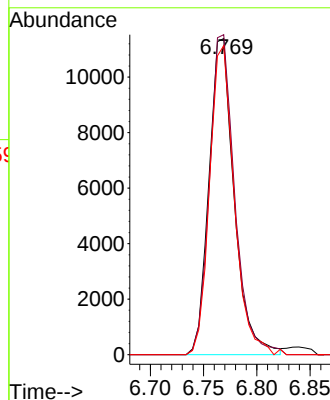
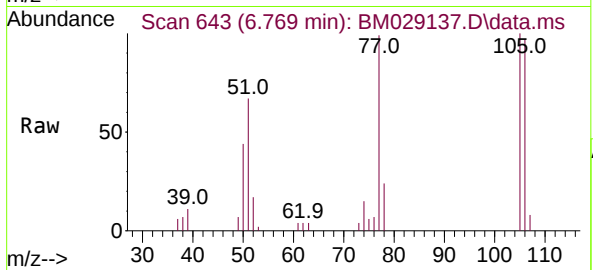




#9  
Benzaldehyde  
Concen: 53.31 ng  
RT: 6.769 min Scan# 643  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

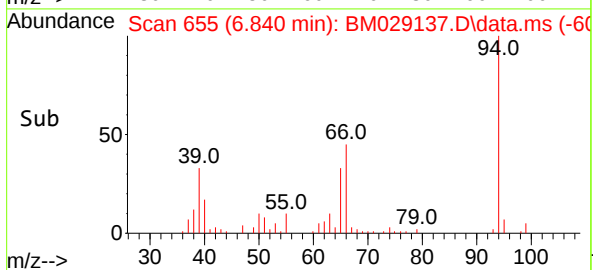
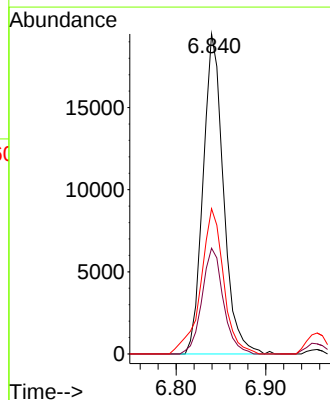
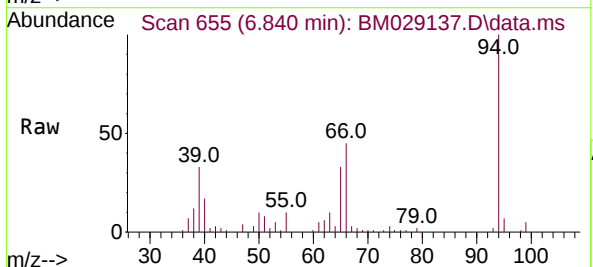
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion: 77 Resp: 18775  
Ion Ratio Lower Upper  
77 100  
105 101.2 64.7 104.7  
106 97.7 57.5 97.5#



#10  
Phenol  
Concen: 47.83 ng  
RT: 6.840 min Scan# 655  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion: 94 Resp: 30715  
Ion Ratio Lower Upper  
94 100  
65 33.1 16.4 56.4  
66 45.4 30.2 70.2

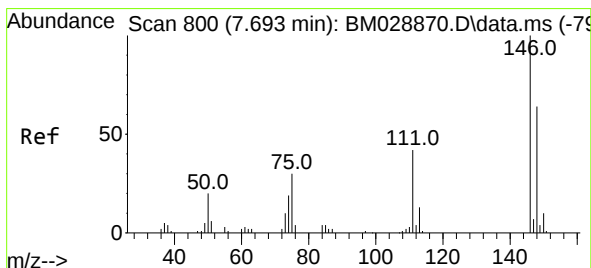
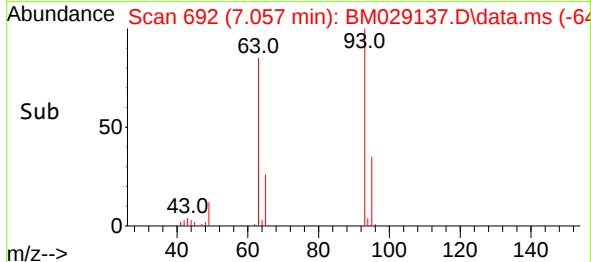
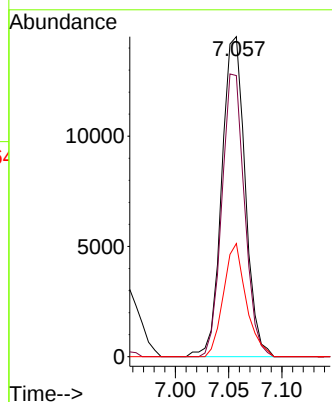
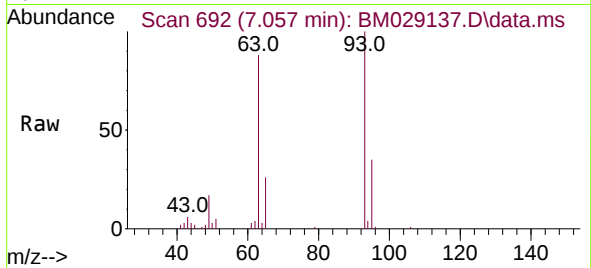




#11  
bis(2-Chloroethyl)ether  
Concen: 45.48 ng  
RT: 7.057 min Scan# 692  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

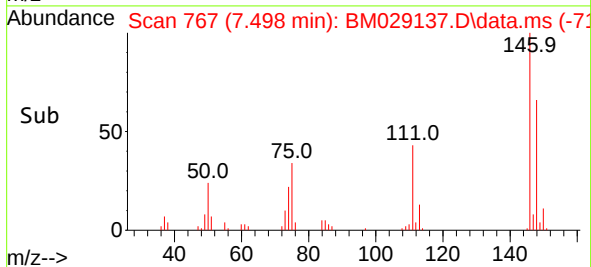
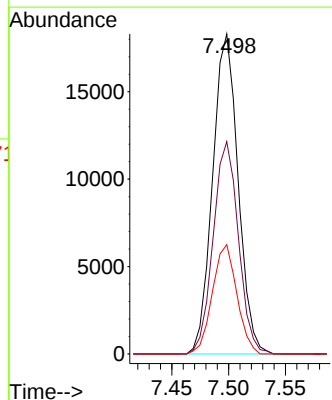
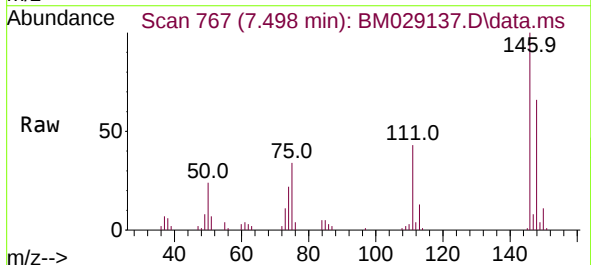
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

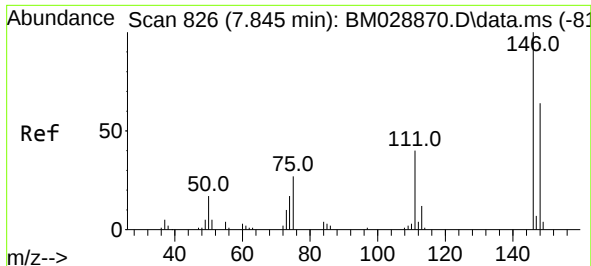
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 22154 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 87.8  | 53.1  | 93.1  |
| 95       | 35.3  | 12.1  | 52.1  |



#12  
1,3-Dichlorobenzene  
Concen: 44.96 ng  
RT: 7.498 min Scan# 767  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 28494 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 66.4  | 51.6  | 77.4  |
| 75       | 34.2  | 33.0  | 49.6  |

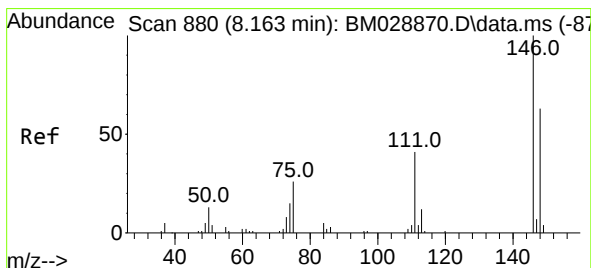
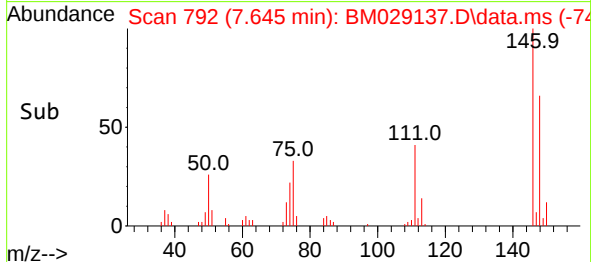
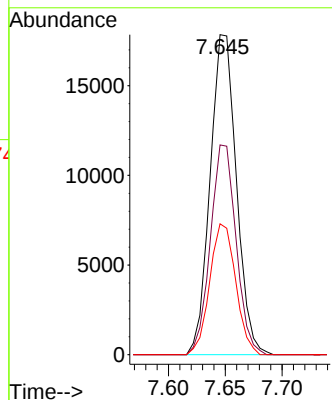
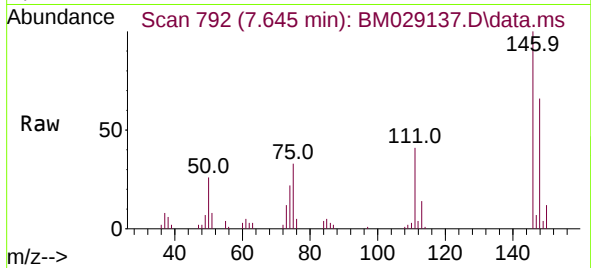




#13  
1,4-Dichlorobenzene  
Concen: 44.68 ng  
RT: 7.645 min Scan# 792  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

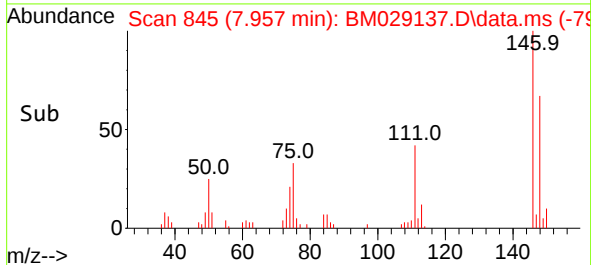
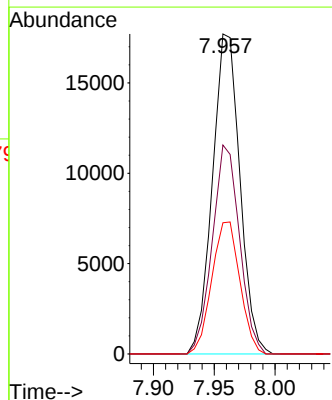
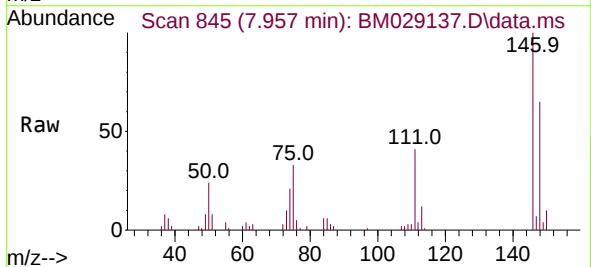
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

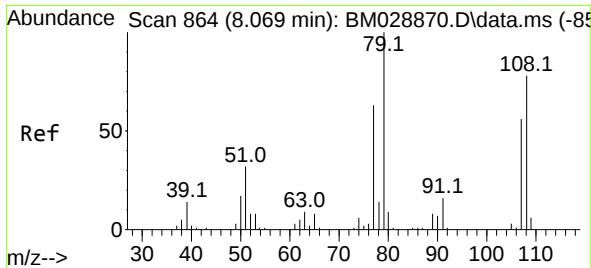
Tgt Ion:146 Resp: 28718  
Ion Ratio Lower Upper  
146 100  
148 65.5 51.4 77.0  
111 40.9 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 45.02 ng  
RT: 7.957 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:146 Resp: 27844  
Ion Ratio Lower Upper  
146 100  
148 65.3 51.3 76.9  
111 41.0 35.4 53.0

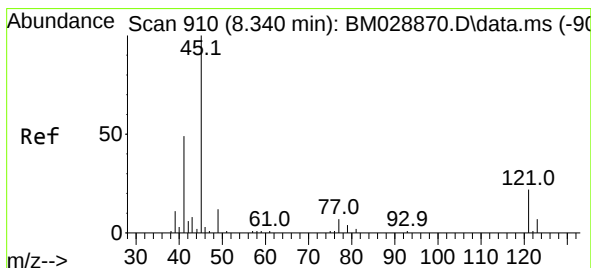
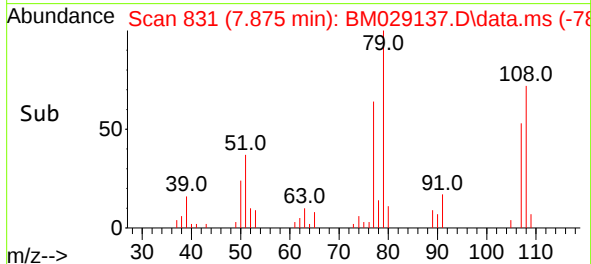
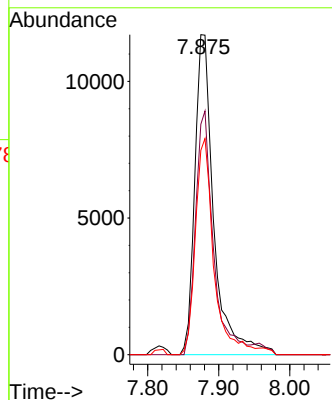
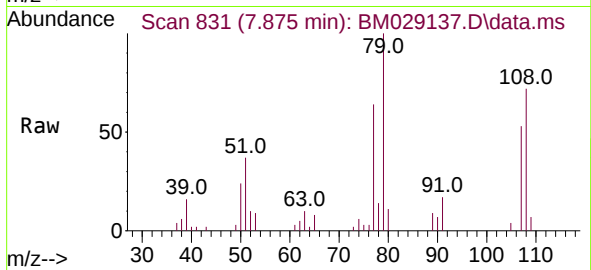




#15  
Benzyl Alcohol  
Concen: 47.27 ng  
RT: 7.875 min Scan# 831  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

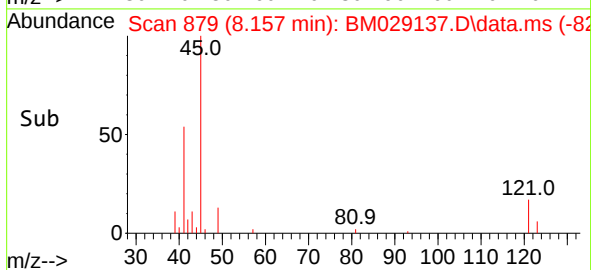
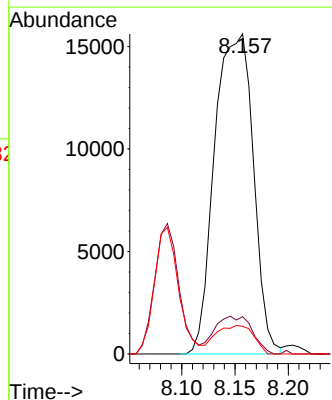
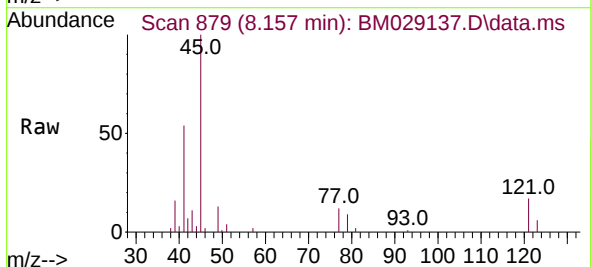
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

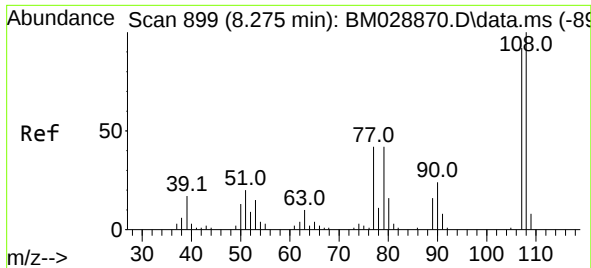
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 79    | Resp: | 21845 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 72.0  | 49.0  | 73.4  |
| 77        | 63.9  | 55.2  | 82.8  |



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.49 ng  
RT: 8.157 min Scan# 879  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 45    | Resp: | 39377 |
| Ion Ratio | Lower | Upper |       |
| 45        | 100   |       |       |
| 77        | 11.6  | 9.5   | 49.5  |
| 79        | 8.7   | 1.8   | 41.8  |

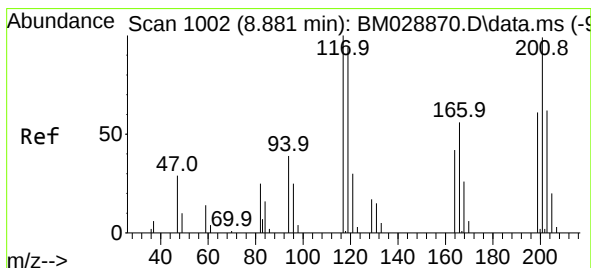
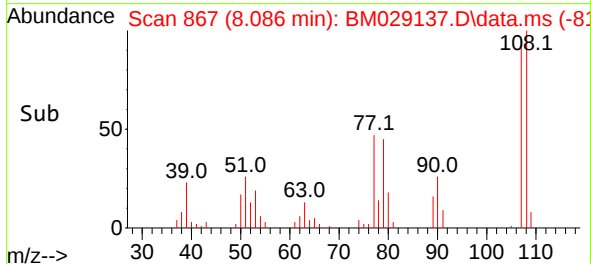
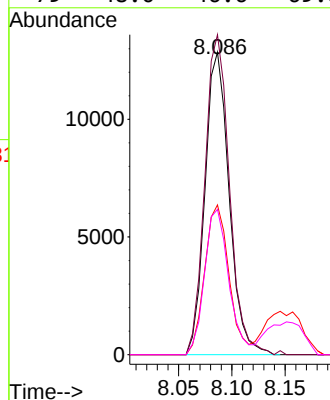
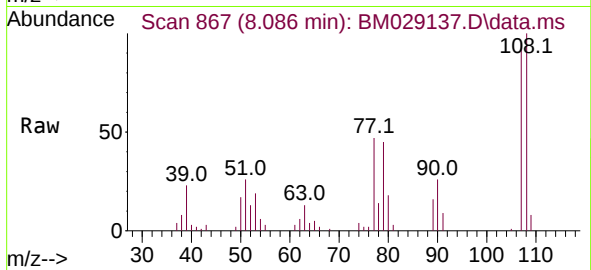




#17  
2-Methylphenol  
Concen: 46.49 ng  
RT: 8.086 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

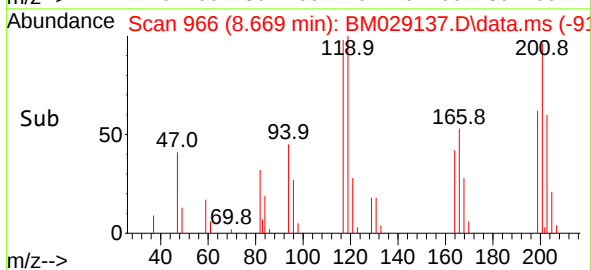
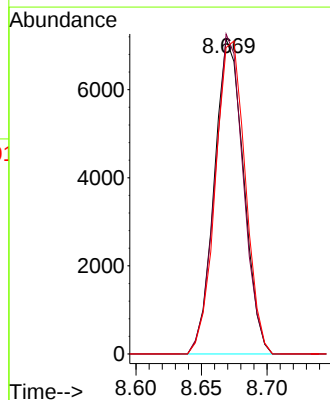
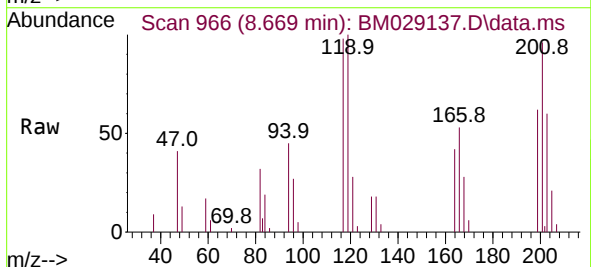
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

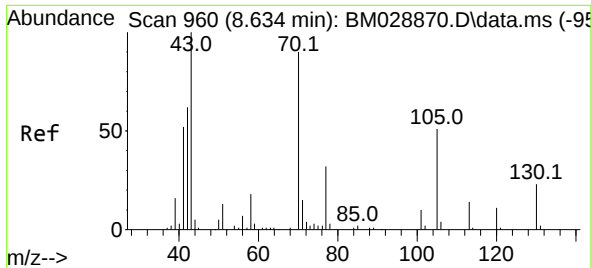
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 20273 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 105.8 | 87.8  | 131.6 |
| 77       | 49.5  | 50.9  | 76.3# |
| 79       | 48.0  | 46.6  | 69.8  |



#18  
Hexachloroethane  
Concen: 47.50 ng  
RT: 8.669 min Scan# 966  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11094 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 101.6 | 73.1  | 109.7 |
| 201      | 97.3  | 88.7  | 133.1 |

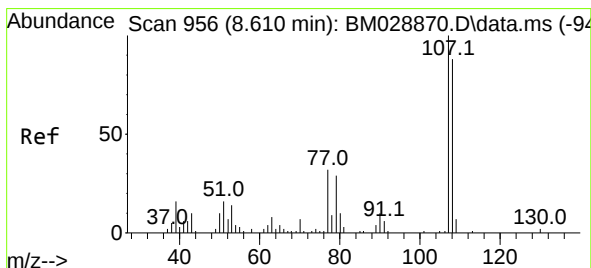
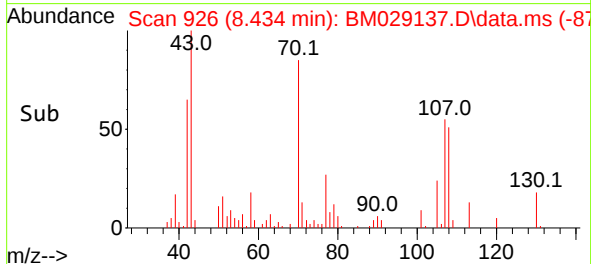
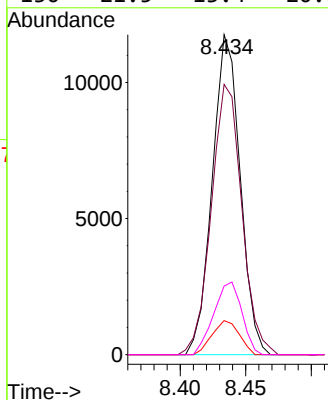
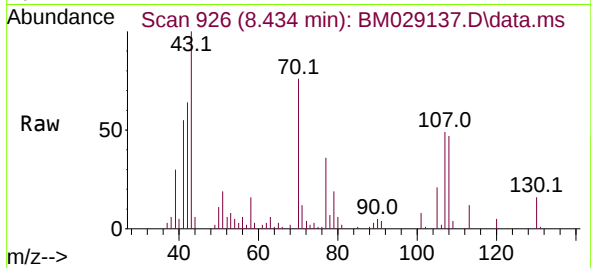




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.77 ng  
RT: 8.434 min Scan# 926  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

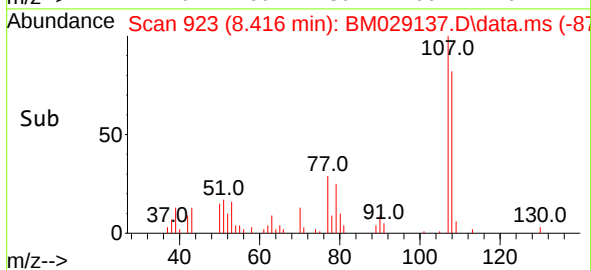
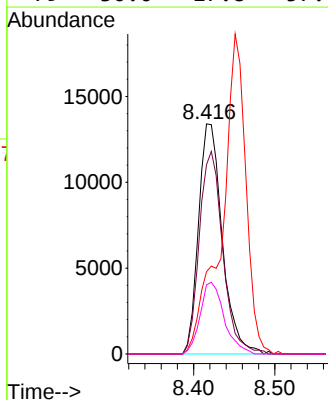
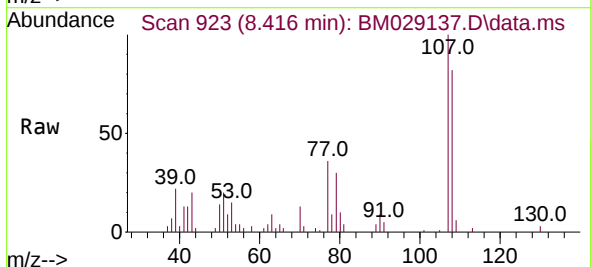
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

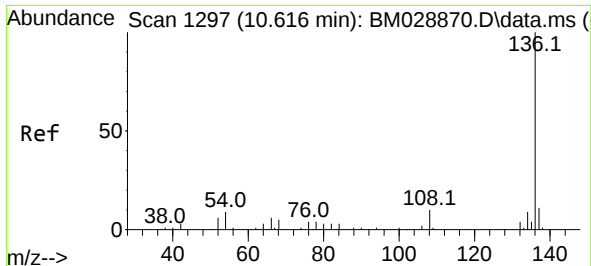
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 17398 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 84.4  | 31.9  | 47.9# |
| 101      | 10.6  | 7.0   | 10.4# |
| 130      | 21.5  | 13.4  | 20.0# |



#20  
3+4-Methylphenols  
Concen: 46.37 ng  
RT: 8.416 min Scan# 923  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 27204 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 82.2  | 64.5  | 104.5 |
| 77       | 35.7  | 24.2  | 64.2  |
| 79       | 30.0  | 17.8  | 57.8  |

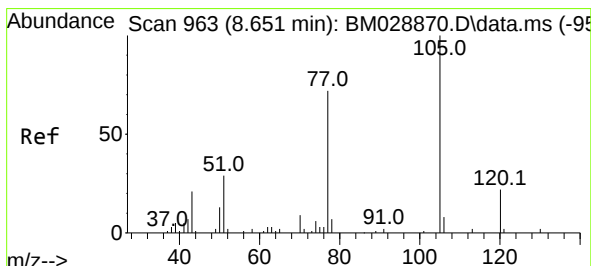
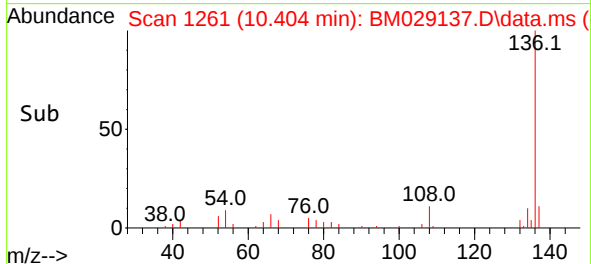
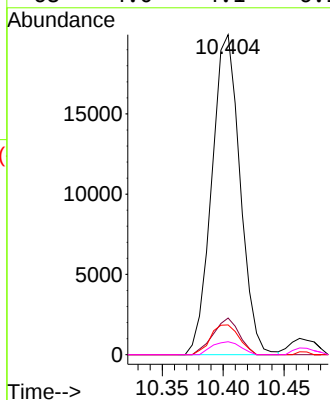
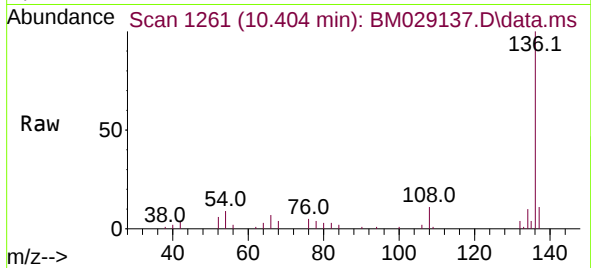




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.404 min Scan# 1261  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

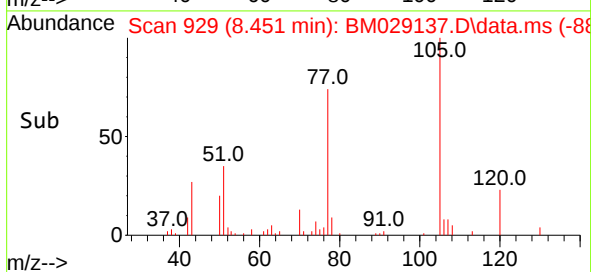
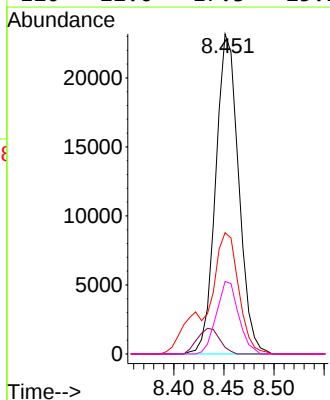
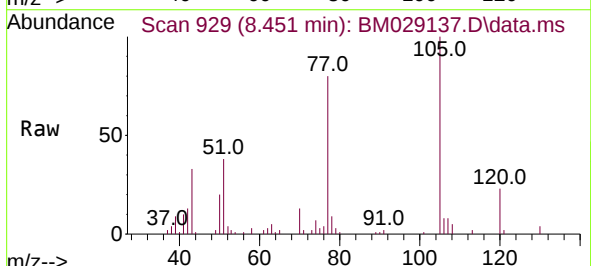
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

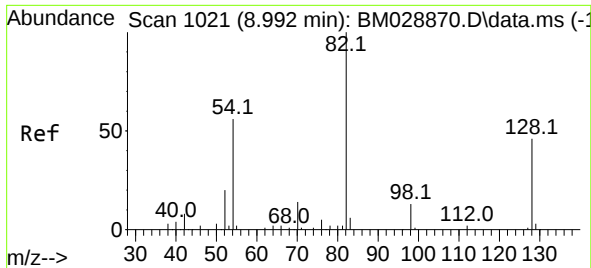
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 32245    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.4  | 8.6 12.8 |
| 54          | 9.3   | 4.6 7.0# |
| 68          | 4.0   | 4.1 6.1# |



#22  
Acetophenone  
Concen: 46.85 ng  
RT: 8.451 min Scan# 929  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 36844      |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 2.0   | 7.6 11.4#  |
| 51          | 37.9  | 18.6 28.0# |
| 120         | 22.6  | 17.3 25.9  |

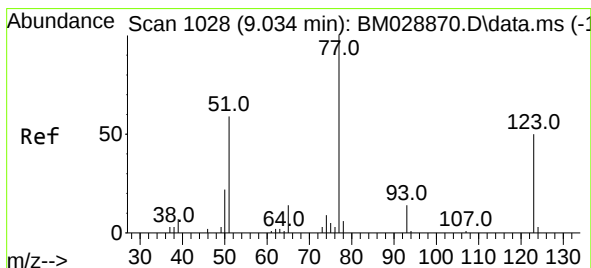
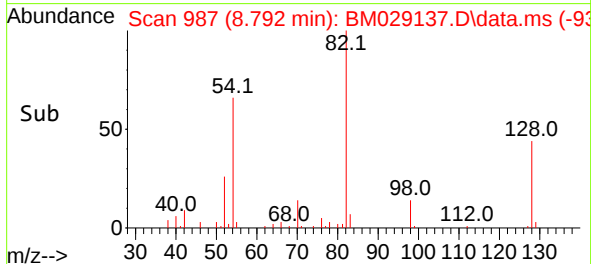
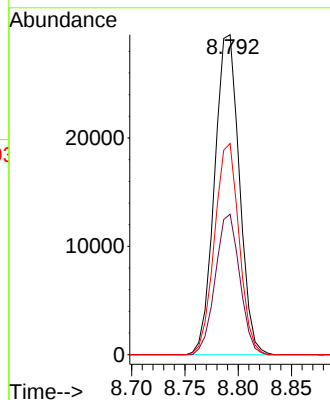
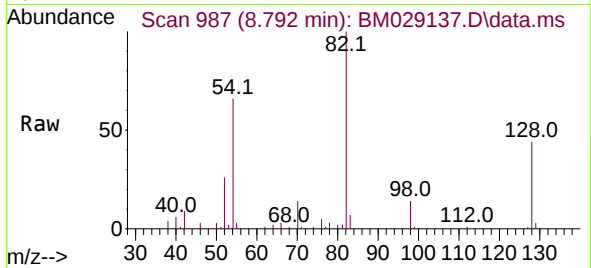




#23  
Nitrobenzene-d5  
Concen: 79.80 ng  
RT: 8.792 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

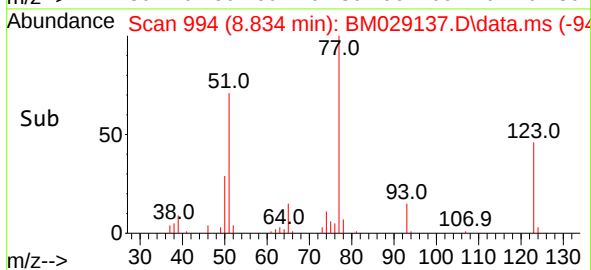
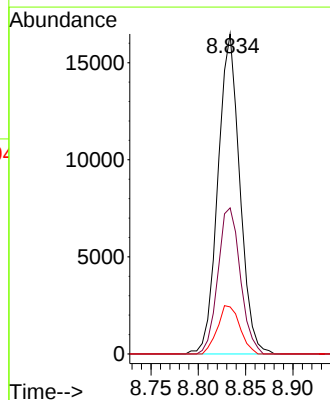
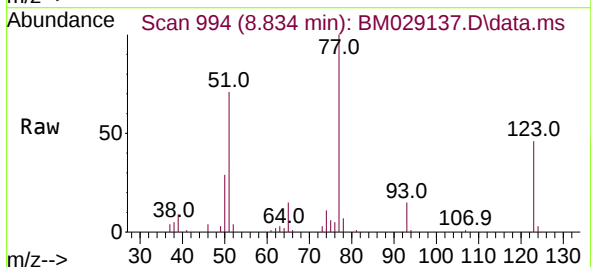
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

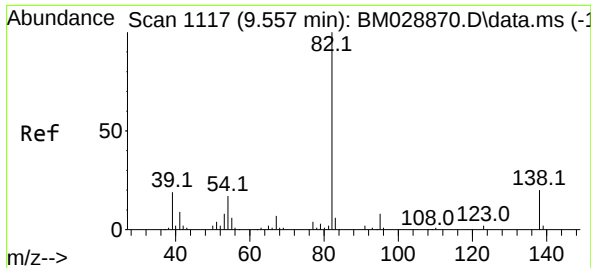
Tgt Ion: 82 Resp: 47694  
Ion Ratio Lower Upper  
82 100  
128 43.9 27.4 41.0#  
54 66.0 31.4 47.0#



#24  
Nitrobenzene  
Concen: 43.53 ng  
RT: 8.834 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion: 77 Resp: 26451  
Ion Ratio Lower Upper  
77 100  
123 45.6 29.1 43.7#  
65 14.7 11.3 16.9

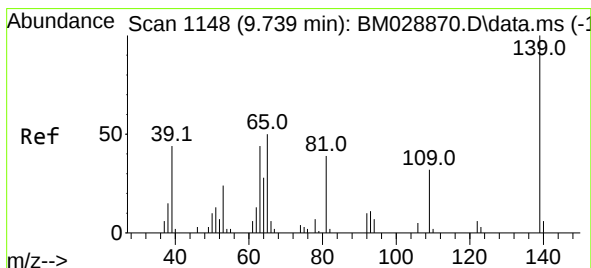
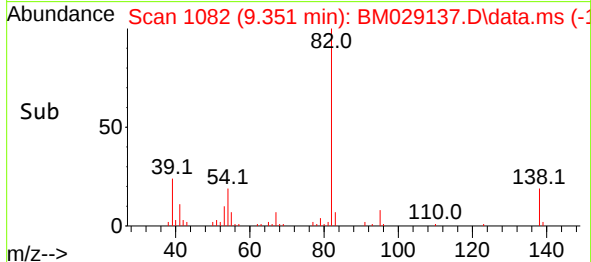
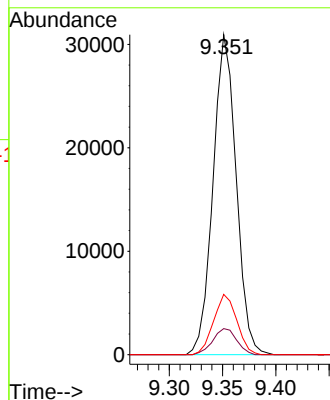
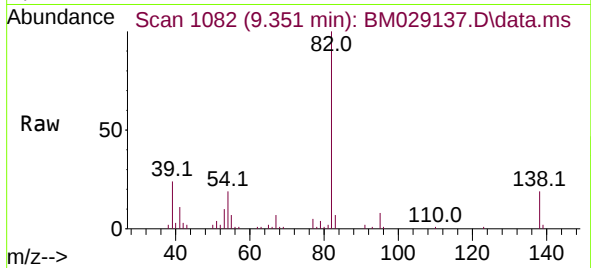




#25  
Isophorone  
Concen: 44.43 ng  
RT: 9.351 min Scan# 1082  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

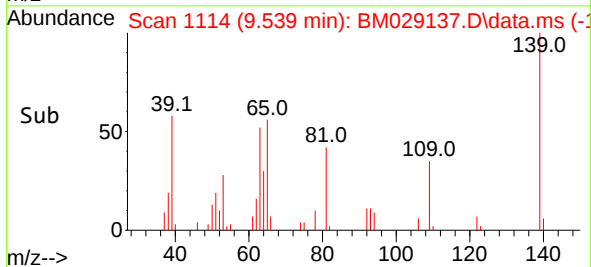
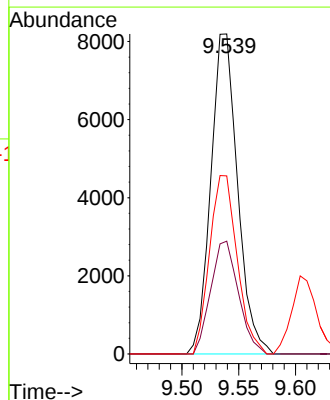
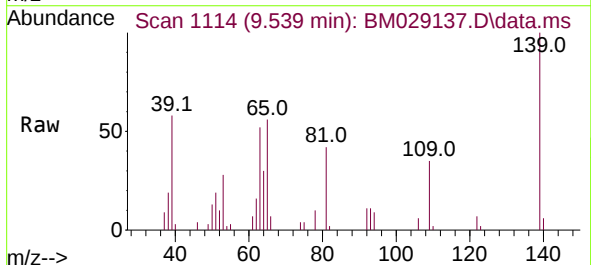
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BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

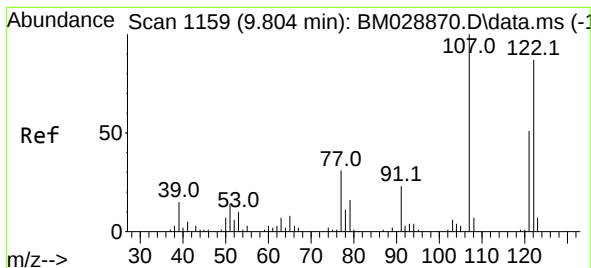
Tgt Ion: 82 Resp: 46723  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.8 10.2  
138 18.9 13.1 19.7



#26  
2-Nitrophenol  
Concen: 43.79 ng  
RT: 9.539 min Scan# 1114  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:139 Resp: 13441  
Ion Ratio Lower Upper  
139 100  
109 35.2 33.8 50.8  
65 55.6 51.0 76.6

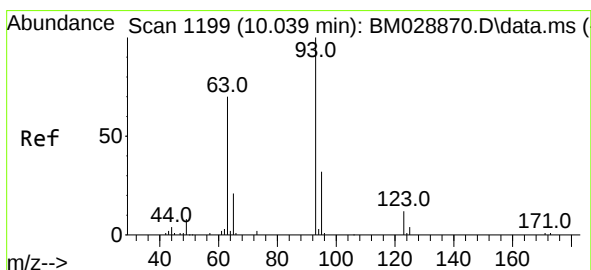
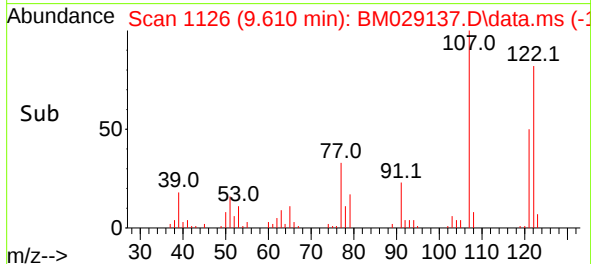
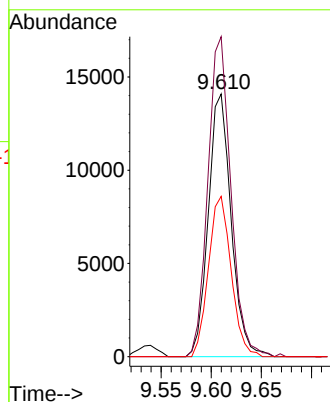
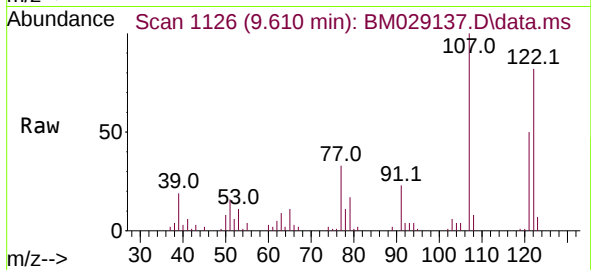




#27  
2,4-Dimethylphenol  
Concen: 48.73 ng  
RT: 9.610 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

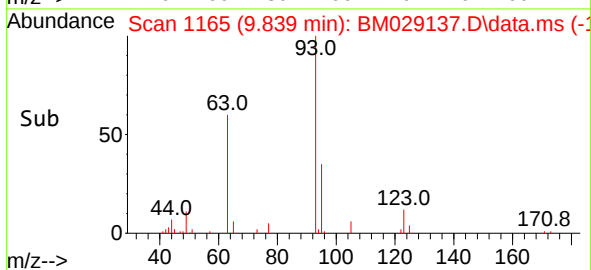
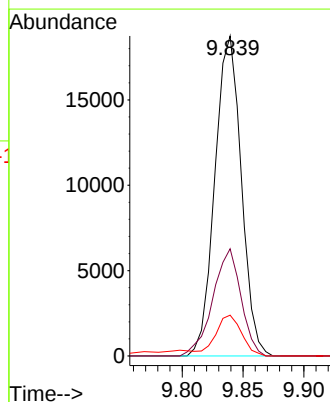
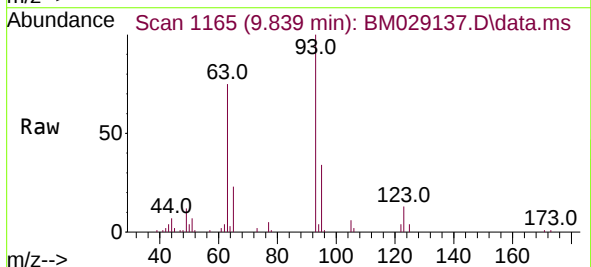
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

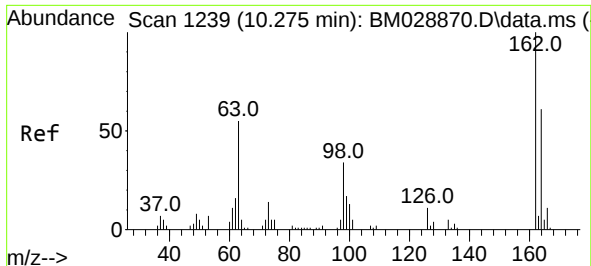
Tgt Ion:122 Resp: 22445  
Ion Ratio Lower Upper  
122 100  
107 121.8 106.6 159.8  
121 61.0 48.8 73.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.36 ng  
RT: 9.839 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion: 93 Resp: 28297  
Ion Ratio Lower Upper  
93 100  
95 33.5 26.5 39.7  
123 12.7 8.6 12.8

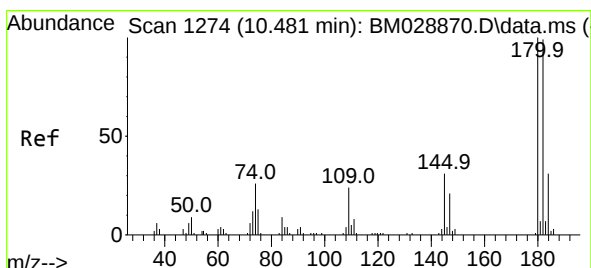
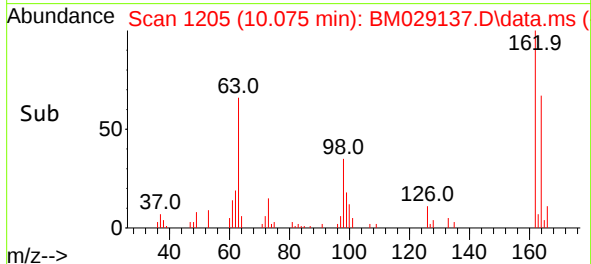
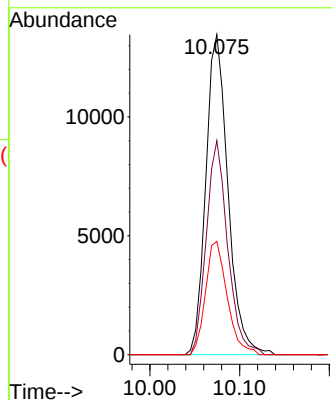
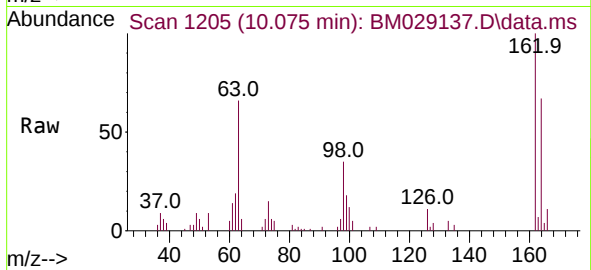




#29  
2,4-Dichlorophenol  
Concen: 43.86 ng  
RT: 10.075 min Scan# 1205  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

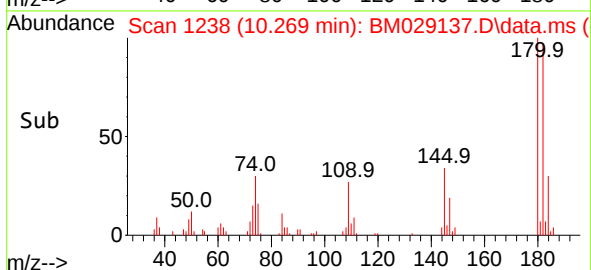
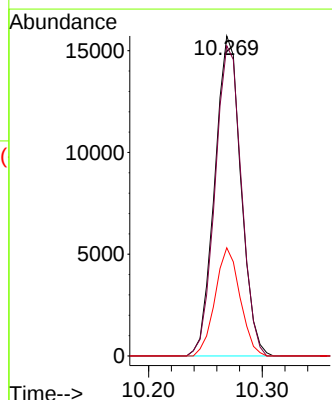
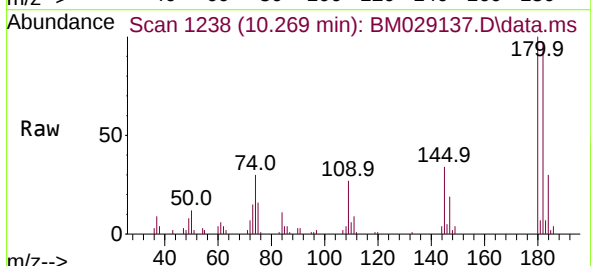
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

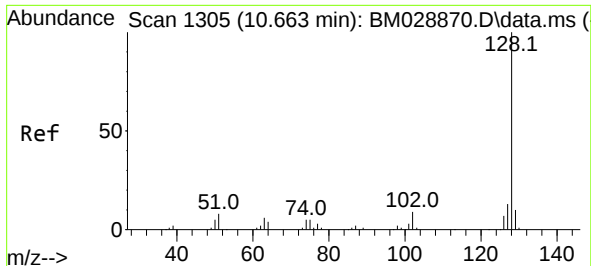
Tgt Ion:162 Resp: 23112  
Ion Ratio Lower Upper  
162 100  
164 66.9 43.2 83.2  
98 35.4 15.7 55.7



#30  
1,2,4-Trichlorobenzene  
Concen: 43.61 ng  
RT: 10.269 min Scan# 1238  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:180 Resp: 25200  
Ion Ratio Lower Upper  
180 100  
182 96.9 77.7 116.5  
145 33.8 23.4 35.0

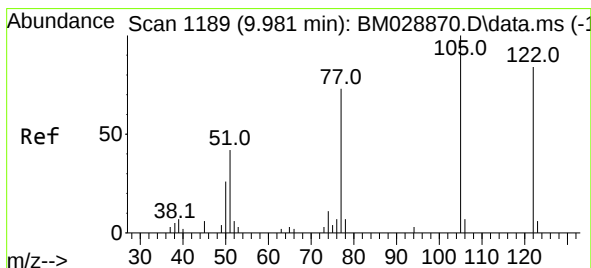
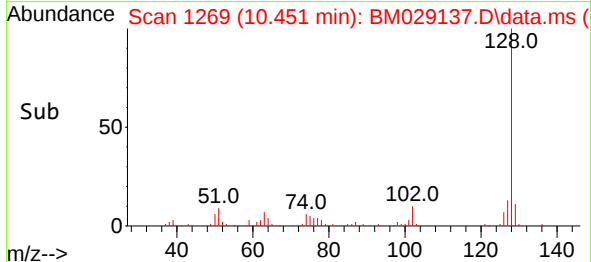
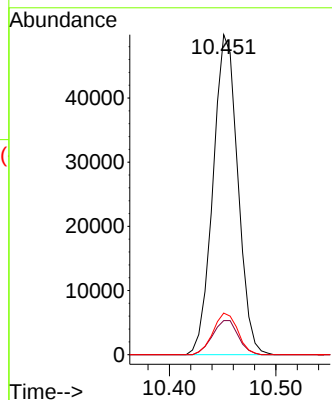
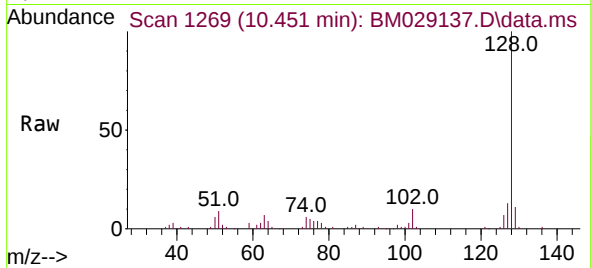




#31  
Naphthalene  
Concen: 45.29 ng  
RT: 10.451 min Scan# 1269  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

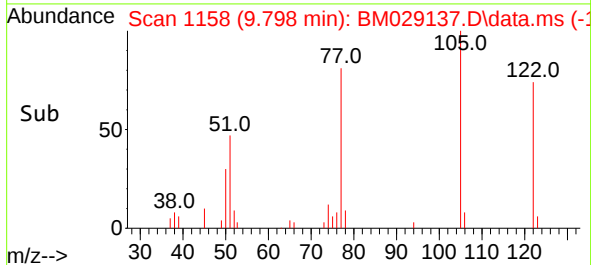
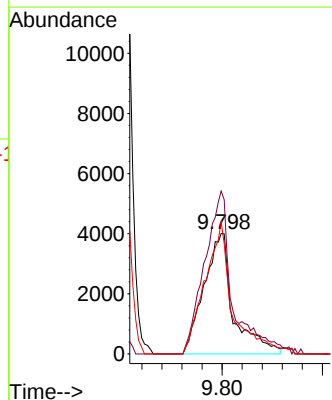
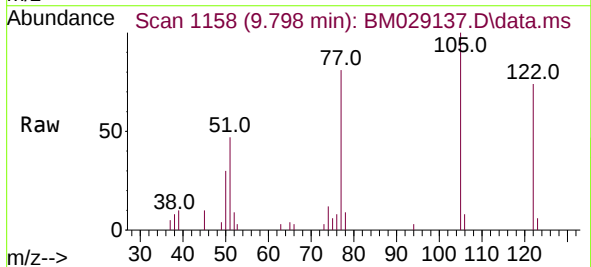
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

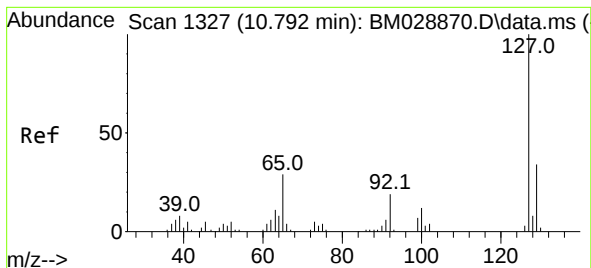
Tgt Ion:128 Resp: 80520  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.0 13.4  
127 13.0 10.6 15.8



#32  
Benzoic acid  
Concen: 49.48 ng  
RT: 9.798 min Scan# 1158  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:122 Resp: 16337  
Ion Ratio Lower Upper  
122 100  
105 135.2 114.0 154.0  
77 109.7 101.8 141.8

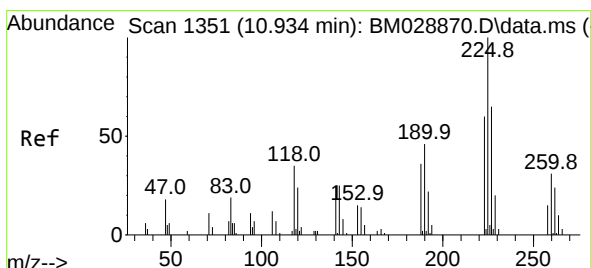
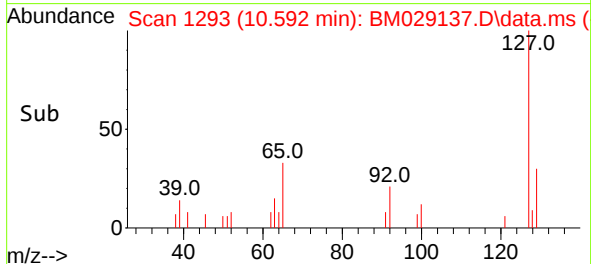
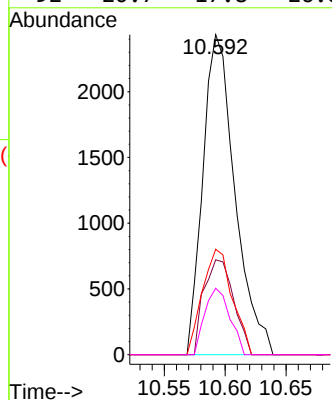
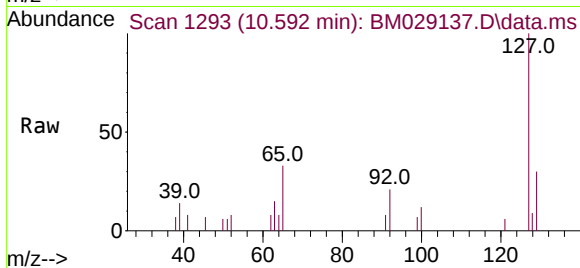




#33  
4-Chloroaniline  
Concen: 6.23 ng  
RT: 10.592 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

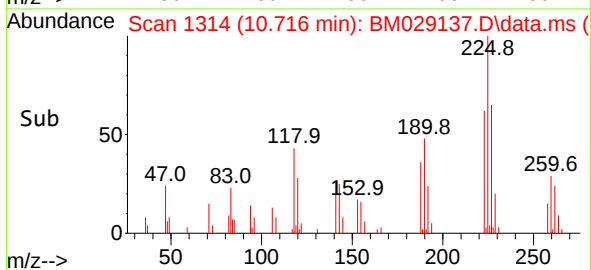
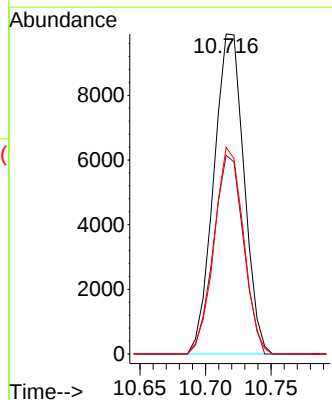
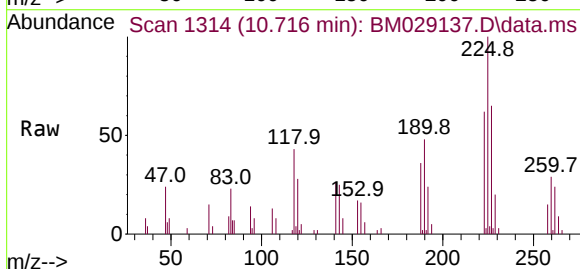
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

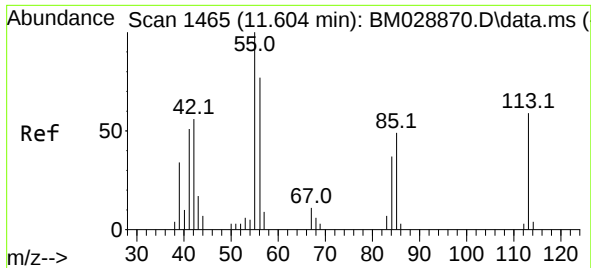
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:127 | Resp: | 4451      |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 29.7  | 24.7 37.1 |
| 65          | 32.9  | 30.2 45.4 |
| 92          | 20.7  | 17.8 26.8 |



#34  
Hexachlorobutadiene  
Concen: 45.81 ng  
RT: 10.716 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 15870     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.1  | 51.0 76.4 |
| 227         | 67.5  | 50.6 75.8 |

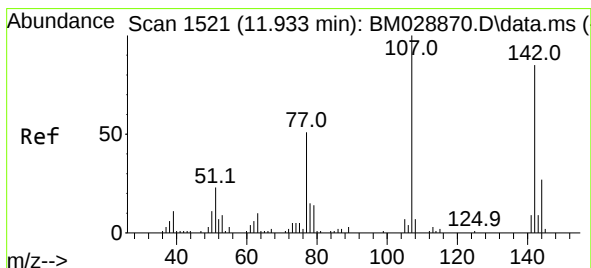
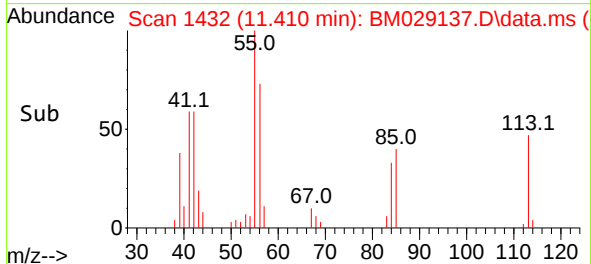
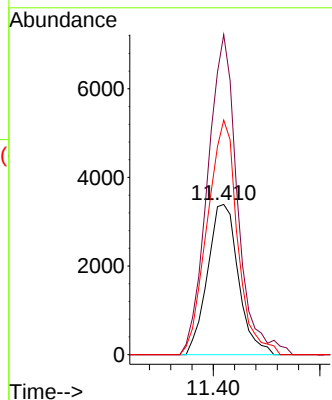
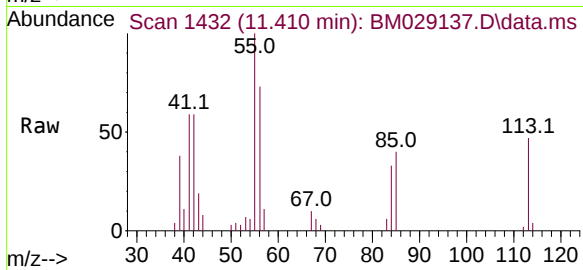




#35  
 Caprolactam  
 Concen: 47.29 ng  
 RT: 11.410 min Scan# 1432  
 Delta R.T. -0.000 min  
 Lab File: BM029137.D  
 Acq: 15 Mar 2021 19:25

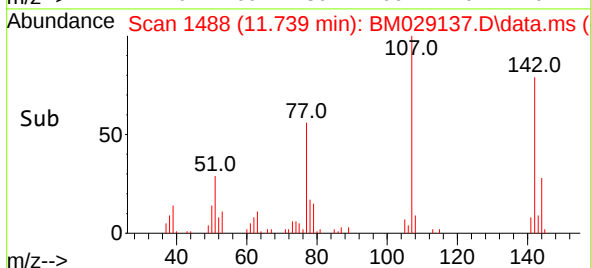
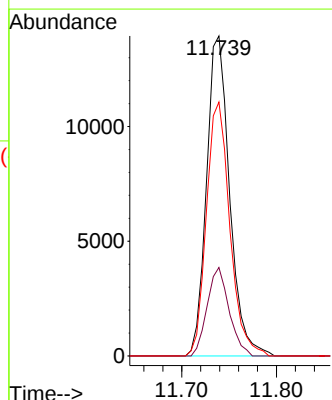
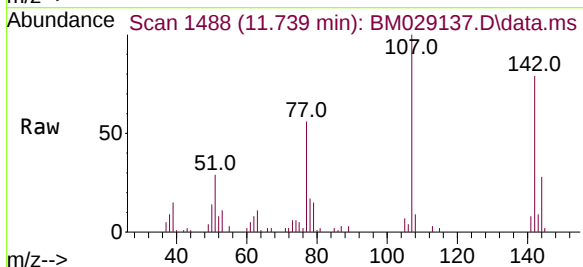
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D2470-D2800(SOIL)-AMS

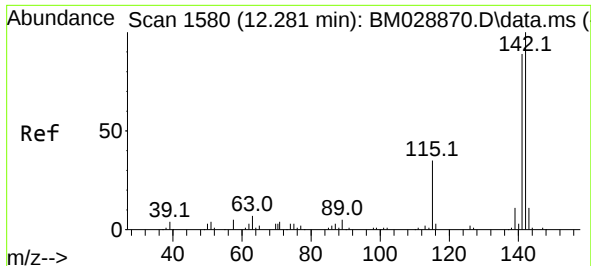
Tgt Ion:113 Resp: 6818  
 Ion Ratio Lower Upper  
 113 100  
 55 213.0 103.2 143.2#  
 56 156.1 84.2 124.2#



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.43 ng  
 RT: 11.739 min Scan# 1488  
 Delta R.T. -0.006 min  
 Lab File: BM029137.D  
 Acq: 15 Mar 2021 19:25

Tgt Ion:107 Resp: 23597  
 Ion Ratio Lower Upper  
 107 100  
 144 27.7 20.1 30.1  
 142 79.3 60.3 90.5

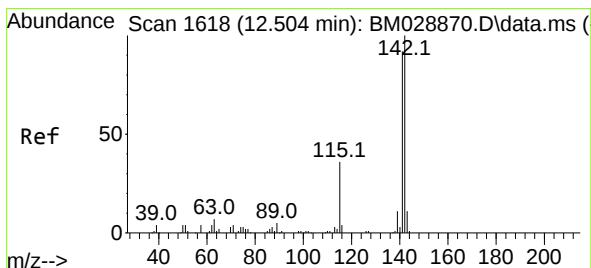
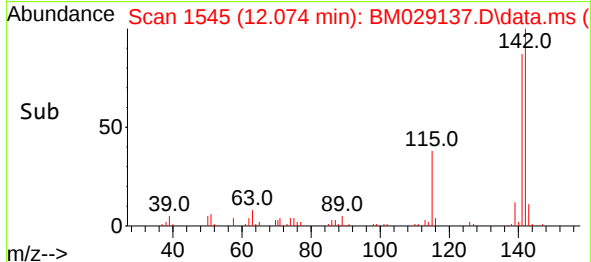
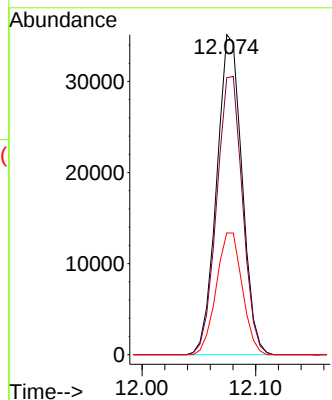
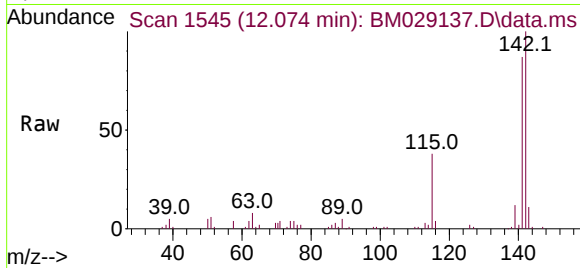




#37  
2-Methylnaphthalene  
Concen: 43.58 ng  
RT: 12.074 min Scan# 1545  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

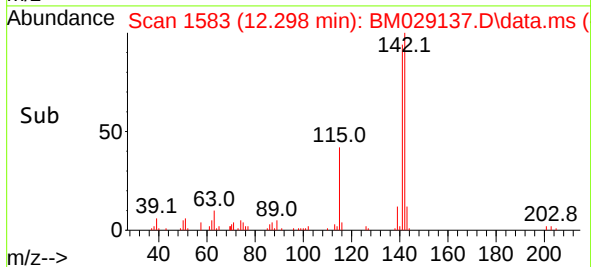
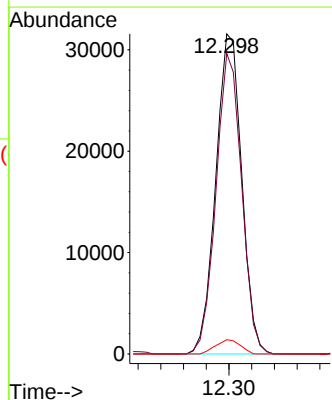
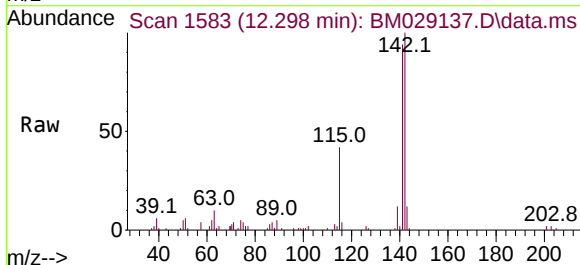
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

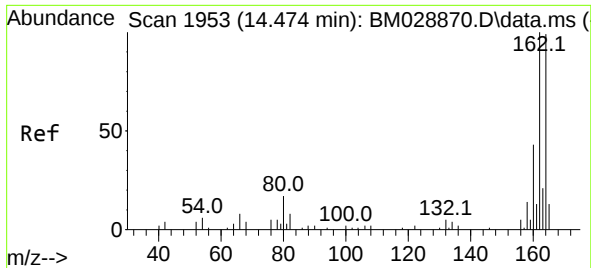
Tgt Ion:142 Resp: 54512  
Ion Ratio Lower Upper  
142 100  
141 86.6 70.3 105.5  
115 38.1 32.2 48.4



#38  
1-Methylnaphthalene  
Concen: 42.29 ng  
RT: 12.298 min Scan# 1583  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:142 Resp: 50097  
Ion Ratio Lower Upper  
142 100  
141 93.9 73.8 110.6  
116 4.5 3.5 5.3

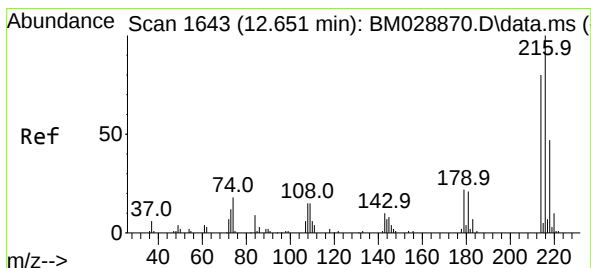
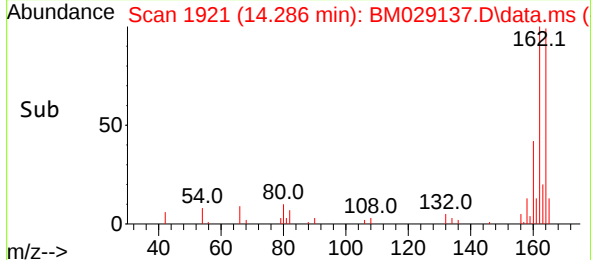
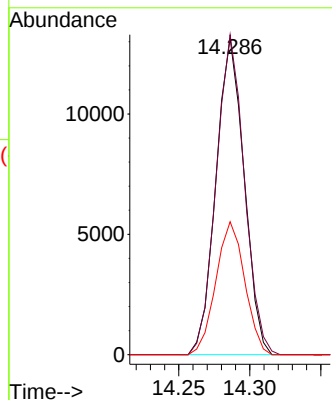
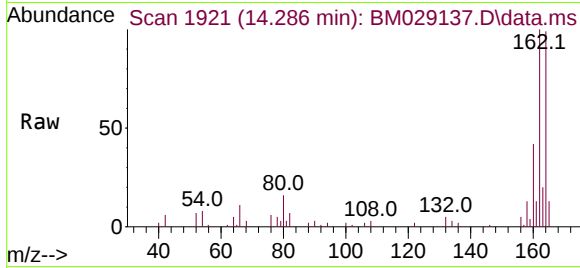




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.286 min Scan# 1921  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

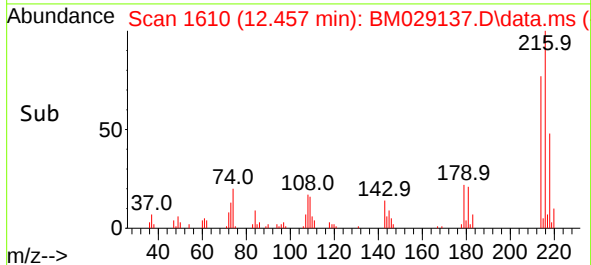
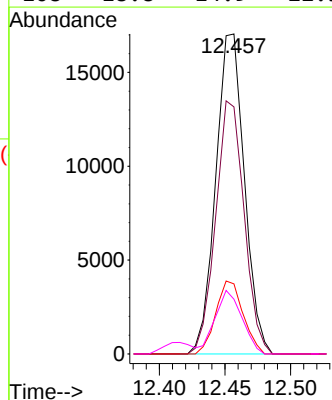
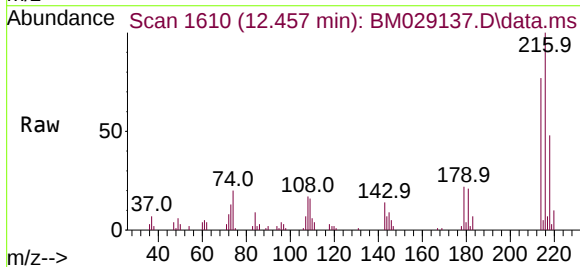
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 18084      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 101.2 | 80.4 120.6 |
| 160         | 42.0  | 35.9 53.9  |



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.78 ng  
RT: 12.457 min Scan# 1610  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 25884     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 78.5  | 62.1 93.1 |
| 179         | 21.7  | 17.2 25.8 |
| 108         | 18.8  | 14.9 22.3 |

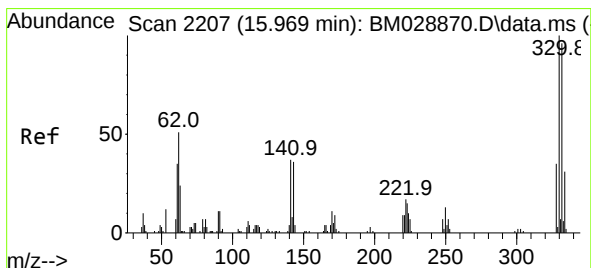
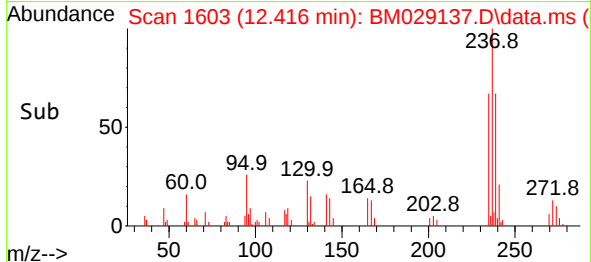
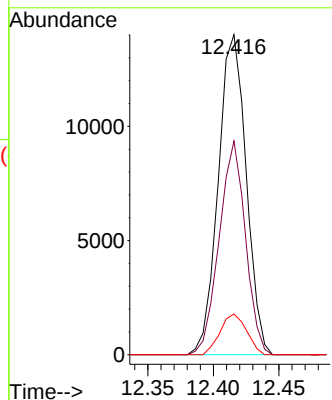
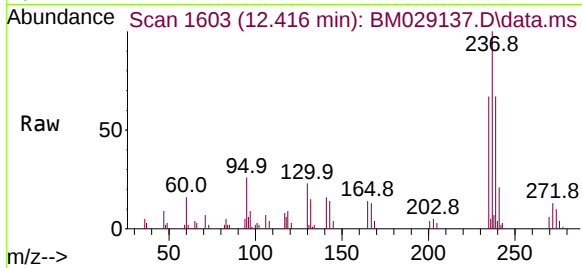




#41  
Hexachlorocyclopentadiene  
Concen: 96.33 ng  
RT: 12.416 min Scan# 1603  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

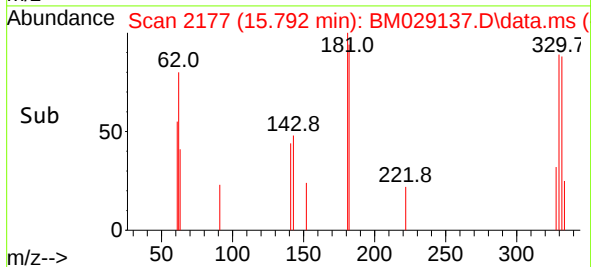
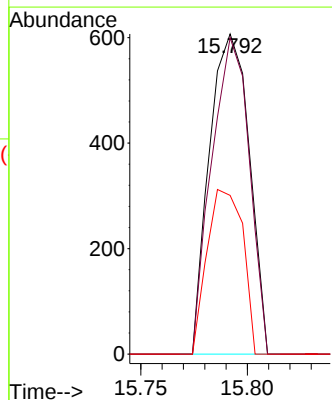
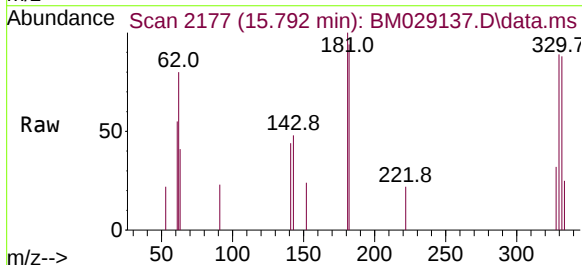
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

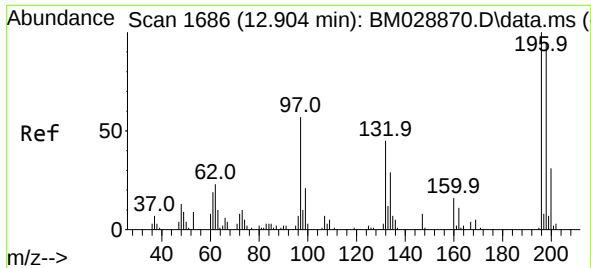
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 20762 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 66.8  | 43.1  | 83.1  |
| 272       | 12.7  | 0.0   | 33.0  |



#42  
2,4,6-Tribromophenol  
Concen: 3.68 ng  
RT: 15.792 min Scan# 2177  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 789   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 93.3  | 77.8  | 116.8 |
| 141       | 46.3  | 28.4  | 42.6# |

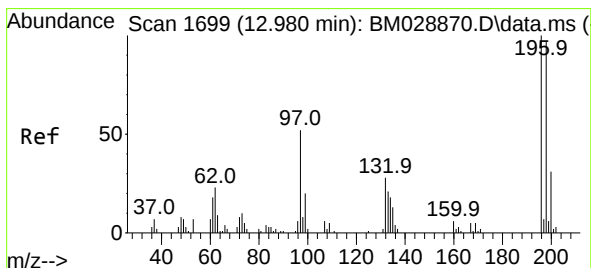
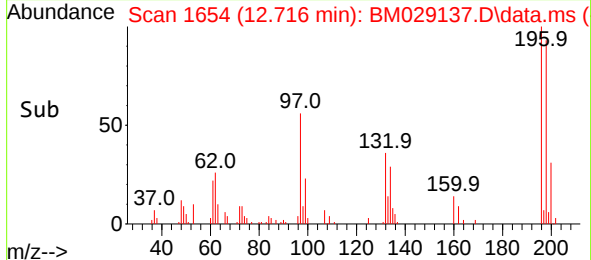
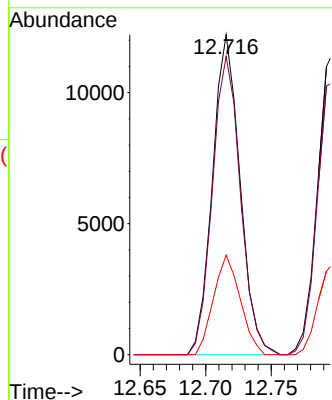
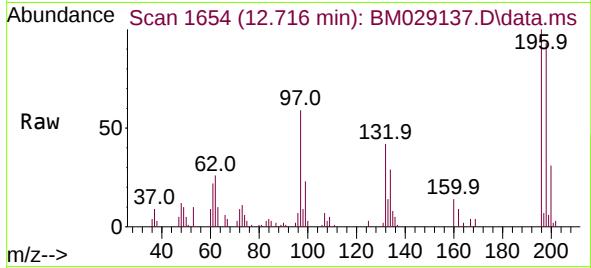




#43  
2,4,6-Trichlorophenol  
Concen: 44.85 ng  
RT: 12.716 min Scan# 1654  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

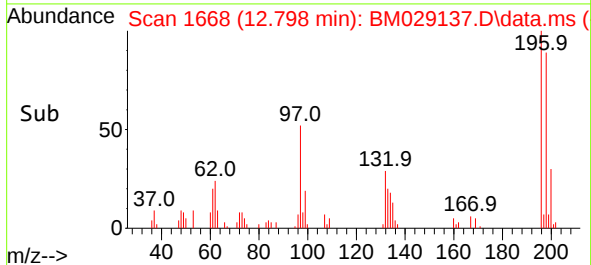
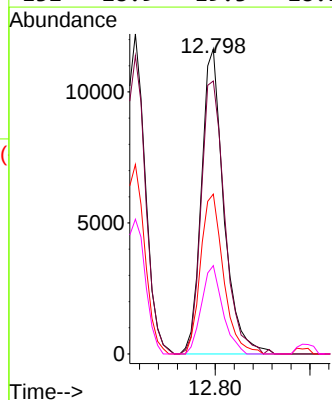
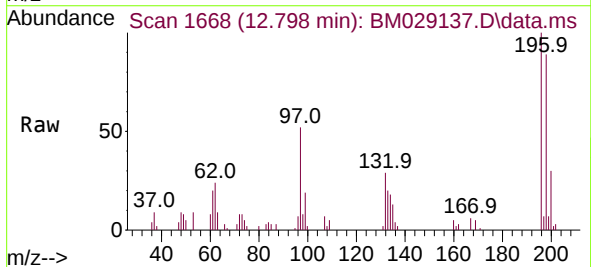
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion:196 Resp: 17776  
Ion Ratio Lower Upper  
196 100  
198 93.2 74.9 112.3  
200 31.1 23.7 35.5



#44  
2,4,5-Trichlorophenol  
Concen: 44.99 ng  
RT: 12.798 min Scan# 1668  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:196 Resp: 19137  
Ion Ratio Lower Upper  
196 100  
198 89.5 79.0 118.6  
97 52.4 40.5 60.7  
132 28.9 19.3 28.9#

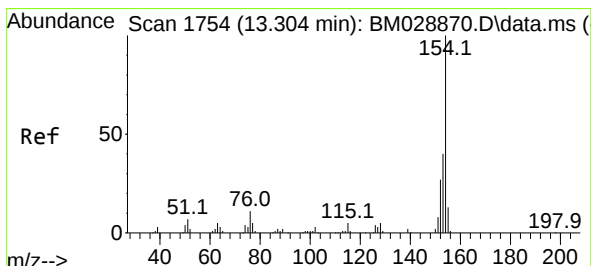
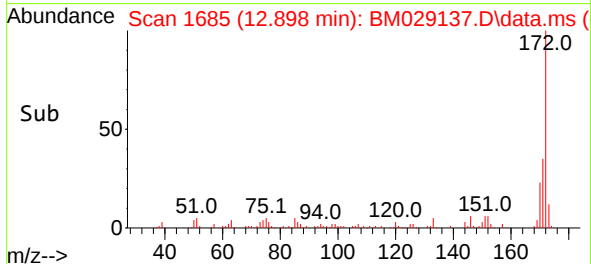
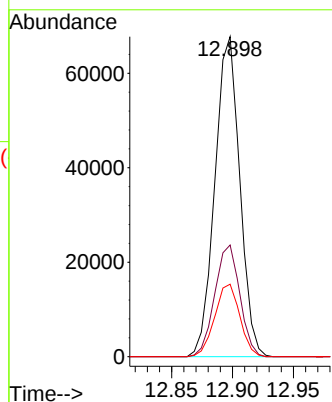
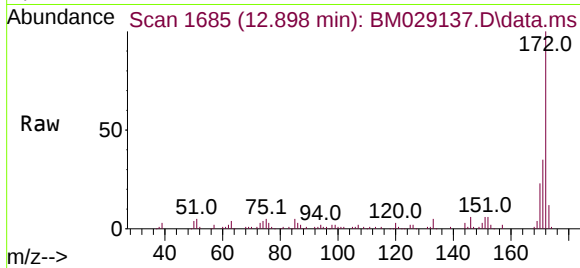




#45  
2-Fluorobiphenyl  
Concen: 70.78 ng  
RT: 12.898 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

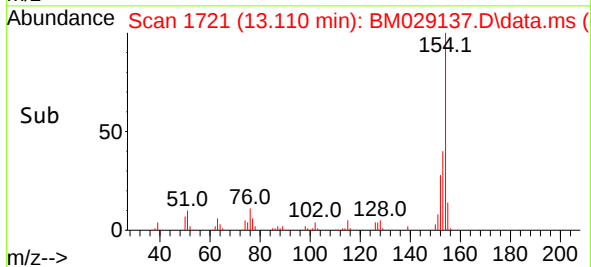
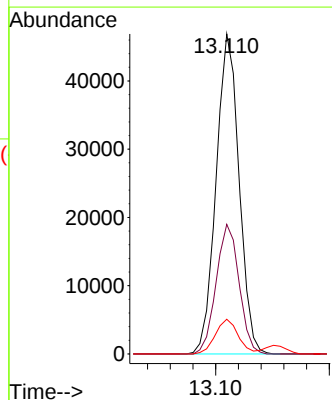
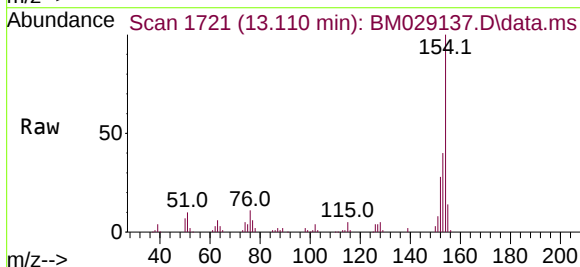
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 96145     |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 34.9  | 27.8 41.8 |
| 170         | 22.7  | 18.6 27.8 |



#46  
1,1'-Biphenyl  
Concen: 45.31 ng  
RT: 13.110 min Scan# 1721  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:154 | Resp: | 65714     |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 40.5  | 20.0 60.0 |
| 76          | 10.8  | 0.0 32.0  |

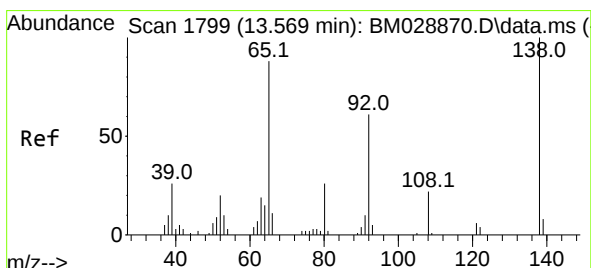
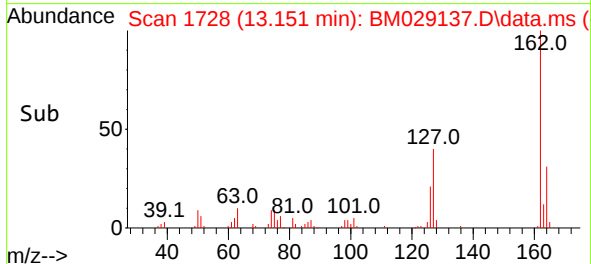
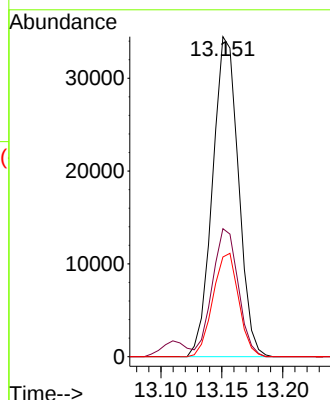
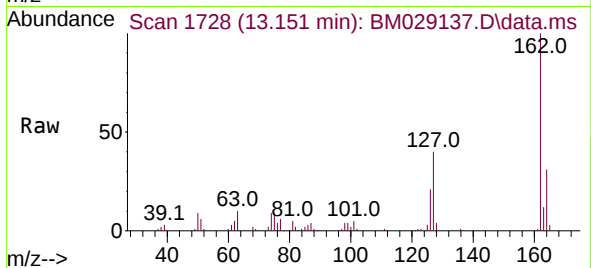




#47  
2-Chloronaphthalene  
Concen: 43.13 ng  
RT: 13.151 min Scan# 1728  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

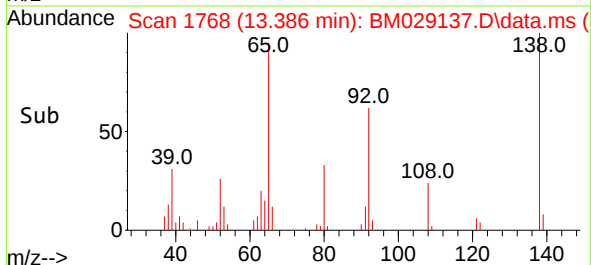
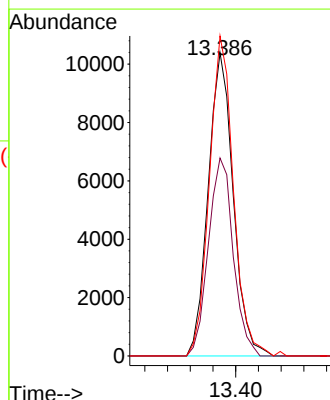
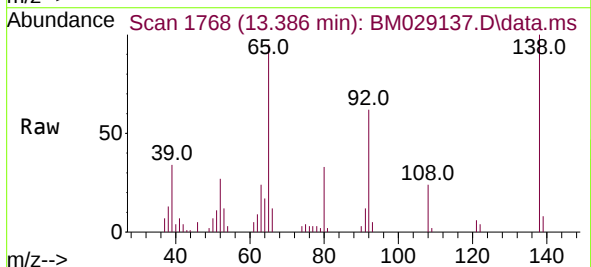
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

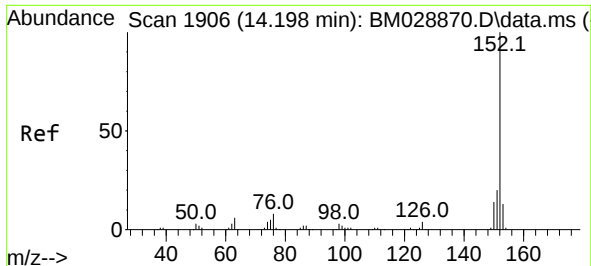
Tgt Ion:162 Resp: 51066  
Ion Ratio Lower Upper  
162 100  
127 40.0 29.6 44.4  
164 31.1 26.2 39.4



#48  
2-Nitroaniline  
Concen: 49.88 ng  
RT: 13.386 min Scan# 1768  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion: 65 Resp: 15884  
Ion Ratio Lower Upper  
65 100  
92 65.3 51.5 77.3  
138 105.6 72.7 109.1

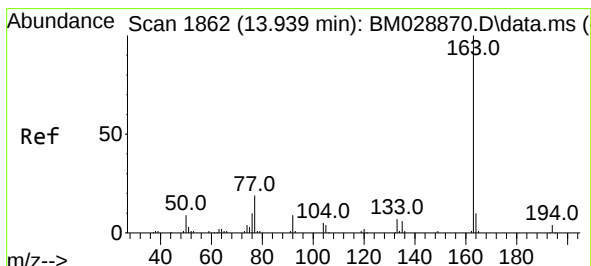
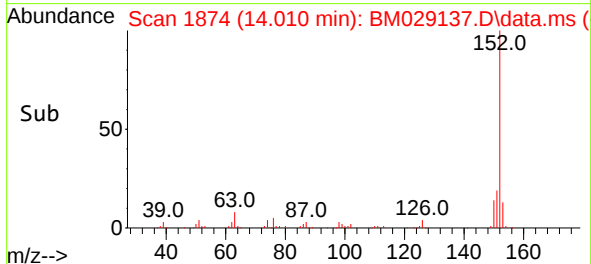
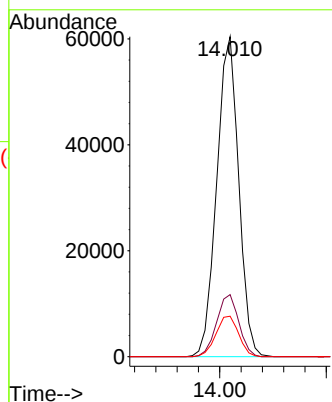
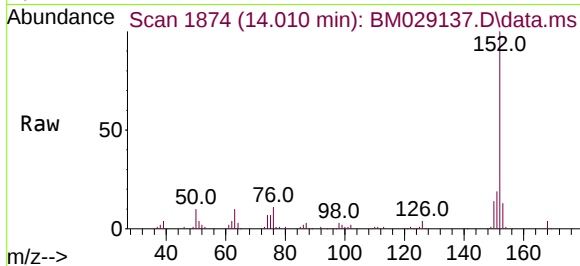




#49  
Acenaphthylene  
Concen: 47.47 ng  
RT: 14.010 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

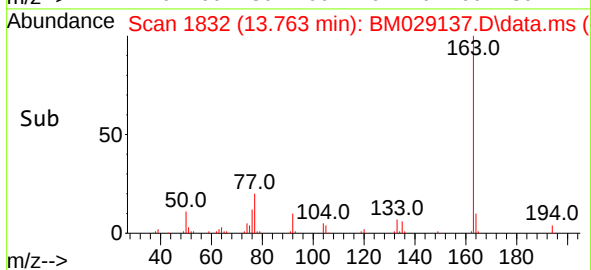
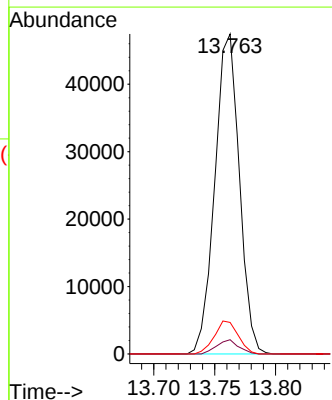
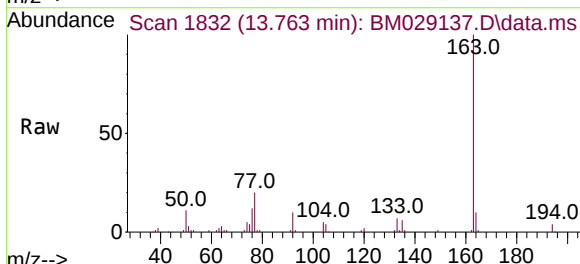
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

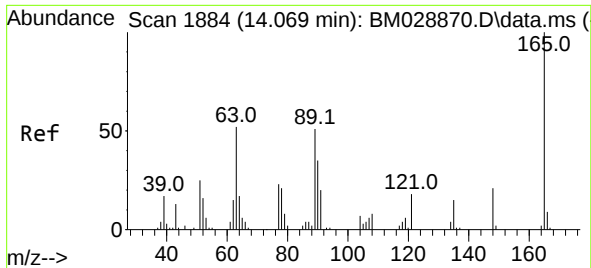
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 86311     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 19.4  | 15.8 23.6 |
| 153         | 12.6  | 10.4 15.6 |



#50  
Dimethylphthalate  
Concen: 48.42 ng  
RT: 13.763 min Scan# 1832  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 66357    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.4   | 3.4 5.2  |
| 164         | 9.9   | 8.1 12.1 |

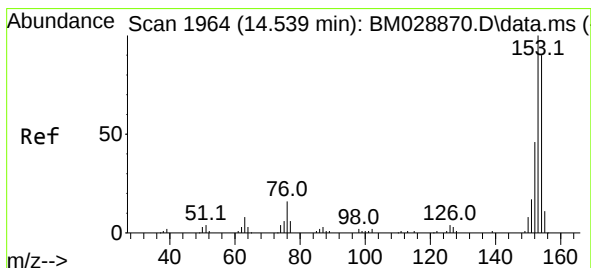
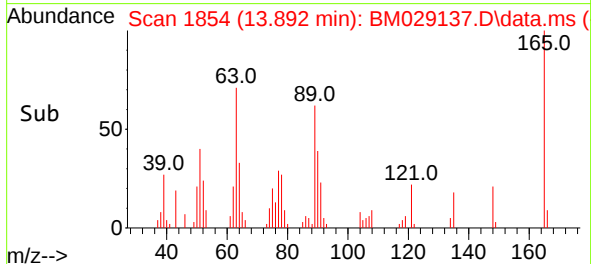
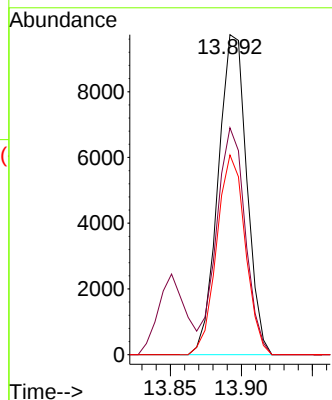
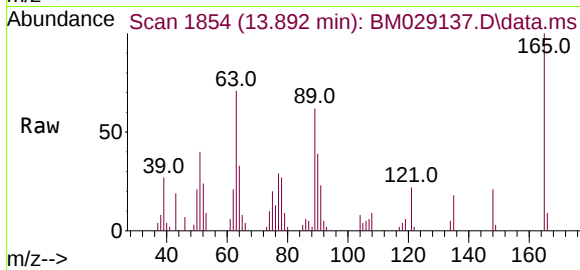




#51  
2,6-Dinitrotoluene  
Concen: 42.75 ng  
RT: 13.892 min Scan# 1854  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

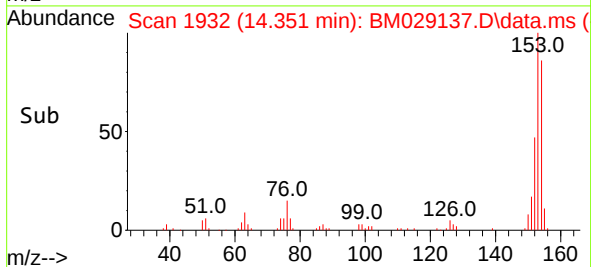
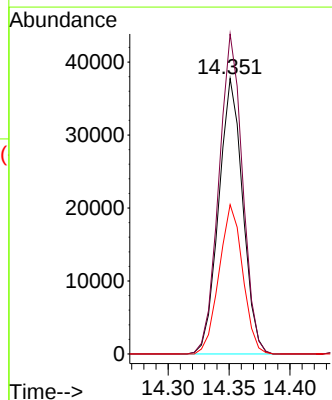
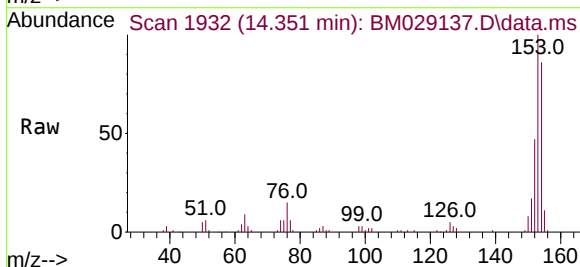
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

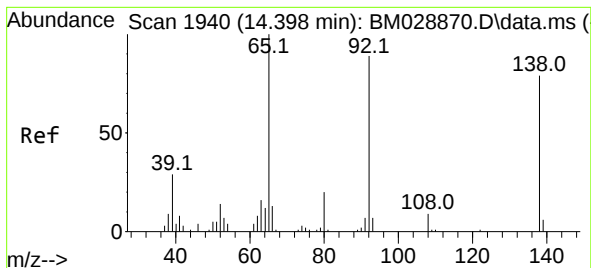
Tgt Ion:165 Resp: 13660  
Ion Ratio Lower Upper  
165 100  
63 70.9 51.1 76.7  
89 62.4 53.3 79.9



#52  
Acenaphthene  
Concen: 46.38 ng  
RT: 14.351 min Scan# 1932  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:154 Resp: 51713  
Ion Ratio Lower Upper  
154 100  
153 116.2 88.3 132.5  
152 54.2 41.4 62.2

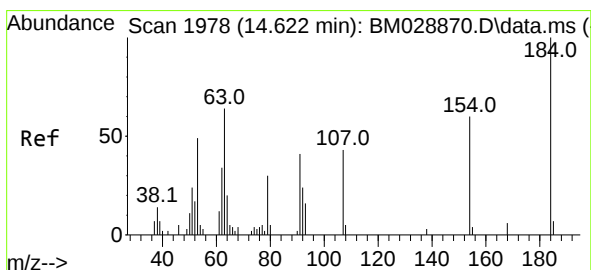
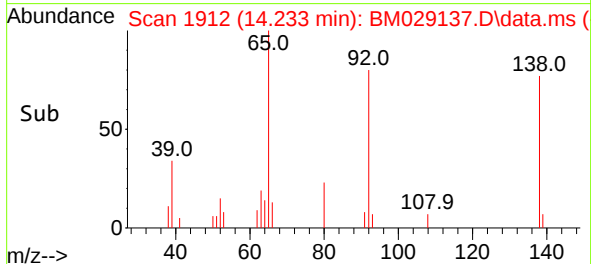
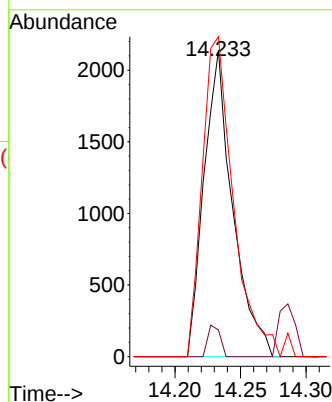
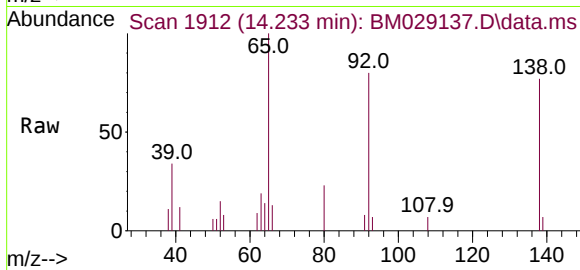




#53  
3-Nitroaniline  
Concen: 10.45 ng  
RT: 14.233 min Scan# 1912  
Delta R.T. -0.000 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

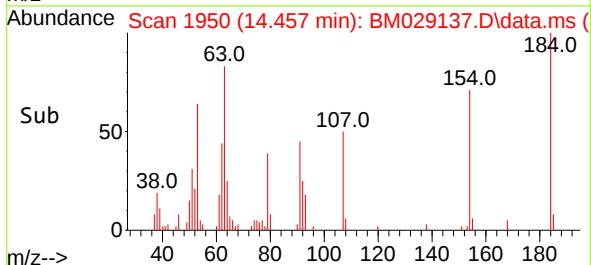
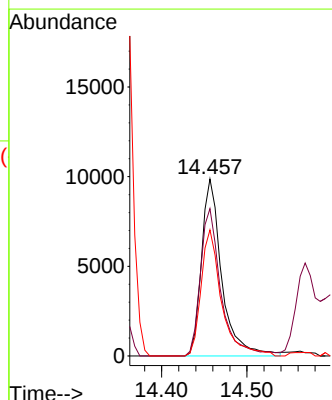
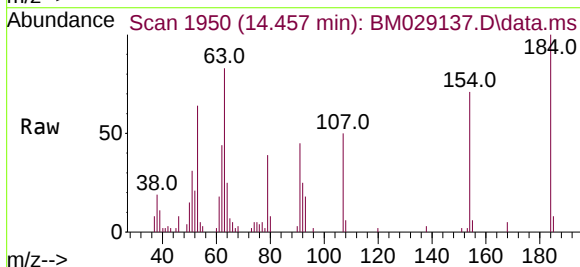
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

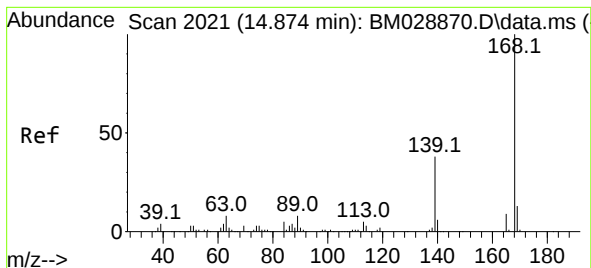
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 138   | Resp: | 3254  |
| Ion      | Ratio | Lower | Upper |
| 138      | 100   |       |       |
| 108      | 8.7   | 8.6   | 13.0  |
| 92       | 104.3 | 102.1 | 153.1 |



#54  
2,4-Dinitrophenol  
Concen: 99.99 ng  
RT: 14.457 min Scan# 1950  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 184   | Resp: | 16342 |
| Ion      | Ratio | Lower | Upper |
| 184      | 100   |       |       |
| 63       | 83.2  | 60.2  | 90.2  |
| 154      | 71.2  | 52.9  | 79.3  |

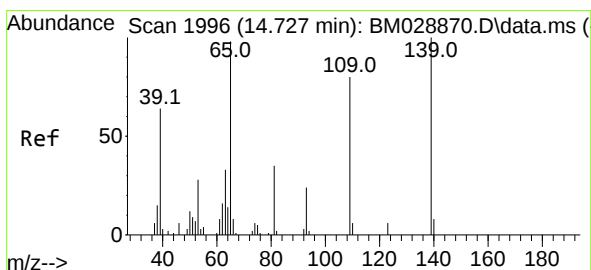
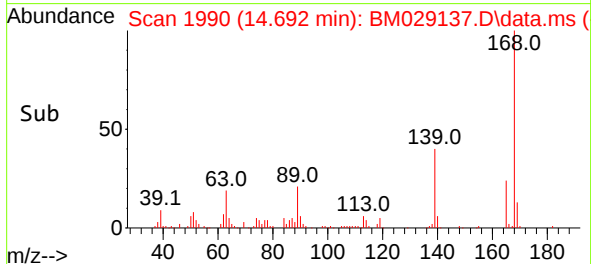
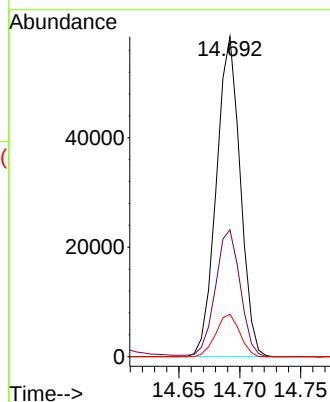
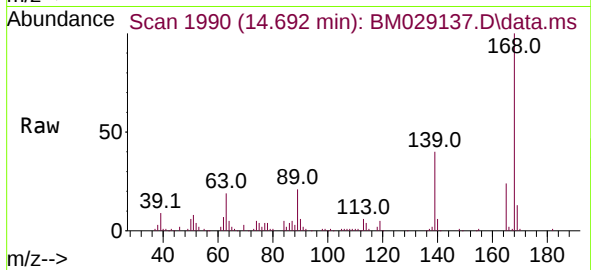




#55  
Dibenzenofuran  
Concen: 45.62 ng  
RT: 14.692 min Scan# 1990  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

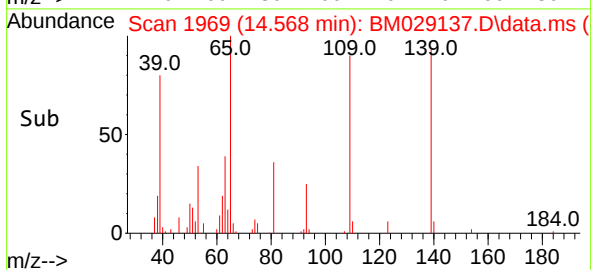
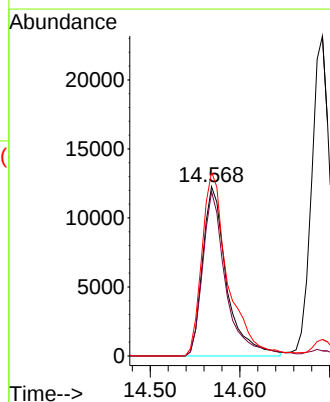
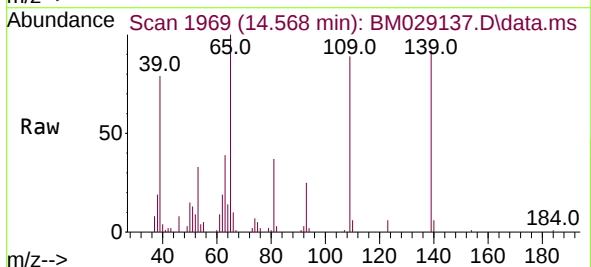
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion:168 Resp: 79866  
Ion Ratio Lower Upper  
168 100  
139 39.6 30.2 45.4  
169 13.3 10.6 16.0



#56  
4-Nitrophenol  
Concen: 89.17 ng  
RT: 14.568 min Scan# 1969  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

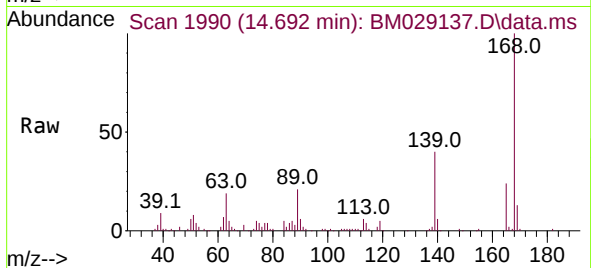
Tgt Ion:139 Resp: 22773  
Ion Ratio Lower Upper  
139 100  
109 97.1 77.0 117.0  
65 108.9 103.4 143.4



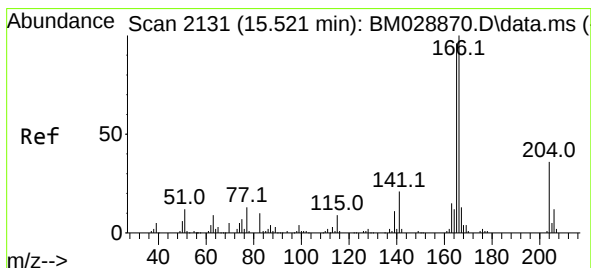
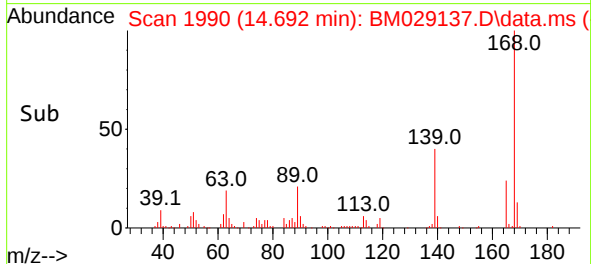
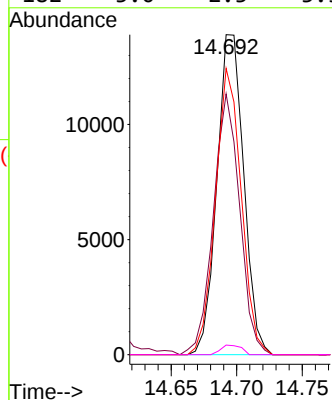


#57  
2,4-Dinitrotoluene  
Concen: 47.35 ng  
RT: 14.692 min Scan# 1990  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

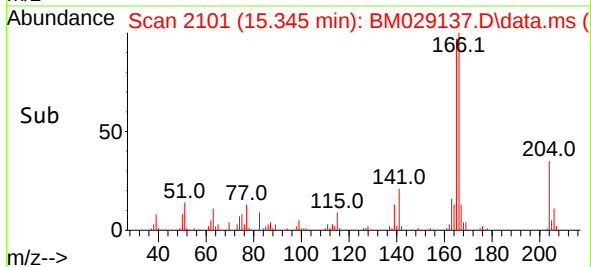
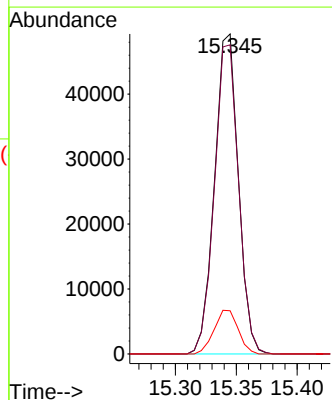
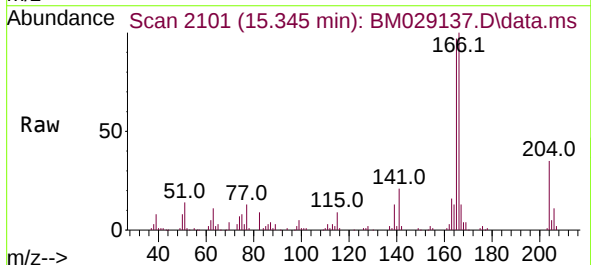


Tgt Ion:165 Resp: 19763  
Ion Ratio Lower Upper  
165 100  
63 81.5 38.8 58.2#  
89 89.5 62.6 94.0  
182 3.0 2.3 3.5



#58  
Fluorene  
Concen: 47.78 ng  
RT: 15.345 min Scan# 2101  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:166 Resp: 67042  
Ion Ratio Lower Upper  
166 100  
165 96.6 76.2 114.2  
167 13.5 10.7 16.1

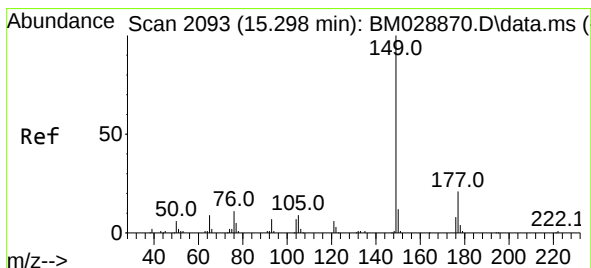
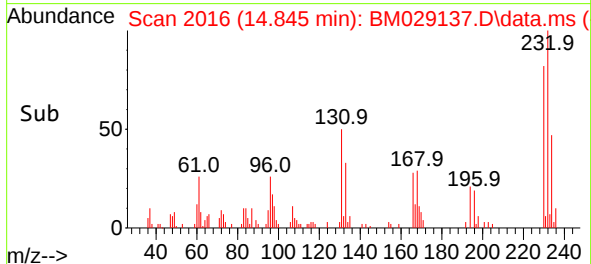
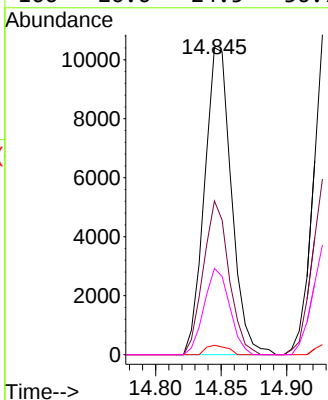
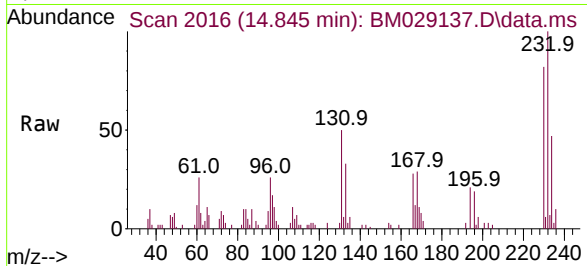




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.52 ng  
RT: 14.845 min Scan# 2016  
Delta R.T. -0.094 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

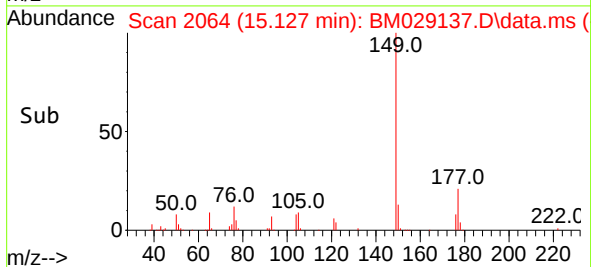
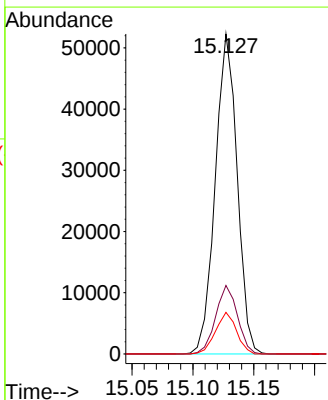
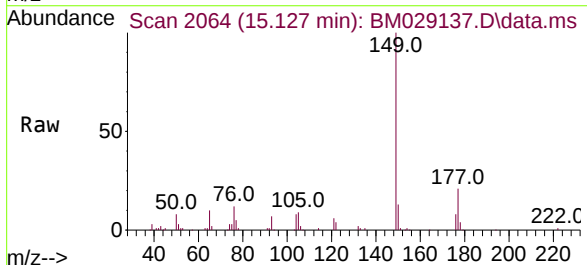
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

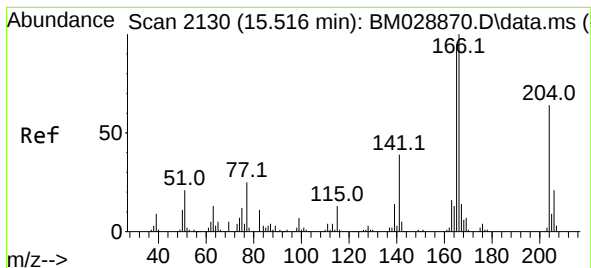
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 14877     |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 47.7  | 32.2 48.2 |
| 130         | 2.5   | 1.8 2.8   |
| 166         | 26.6  | 24.5 36.7 |



#60  
Diethylphthalate  
Concen: 47.37 ng  
RT: 15.127 min Scan# 2064  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 65321     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 21.4  | 18.2 27.4 |
| 150         | 13.0  | 10.2 15.4 |

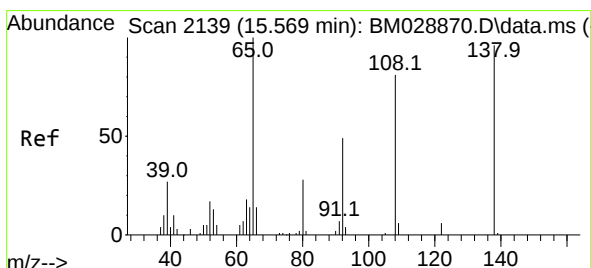
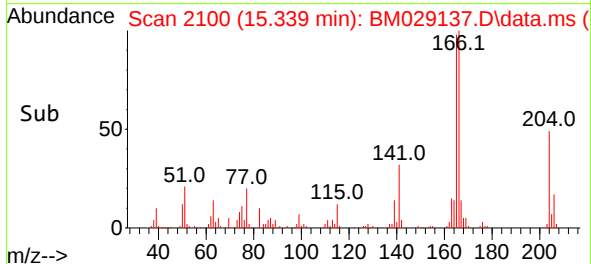
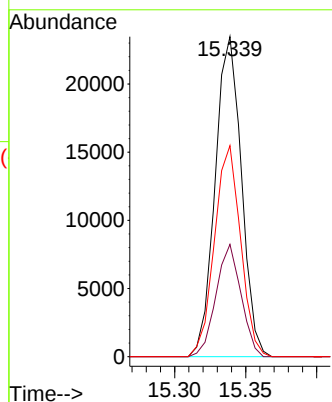
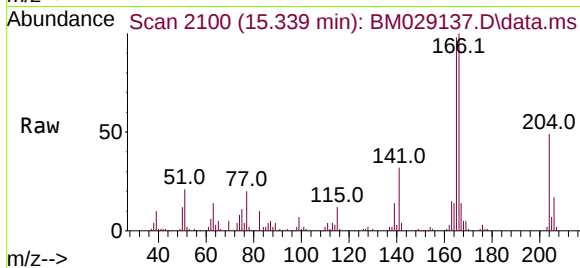




#61  
4-Chlorophenyl-phenylether  
Concen: 45.07 ng  
RT: 15.339 min Scan# 2100  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

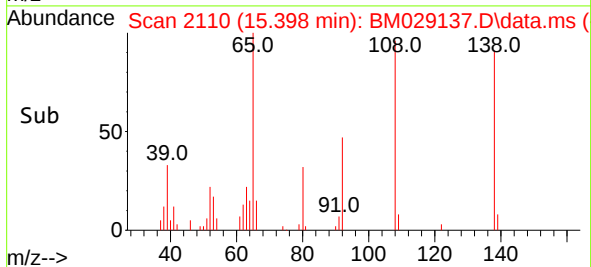
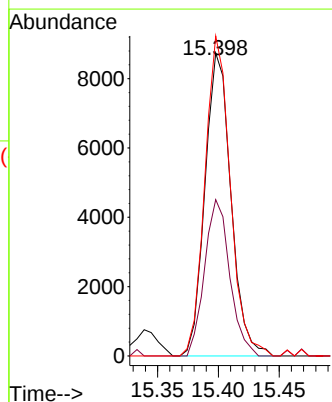
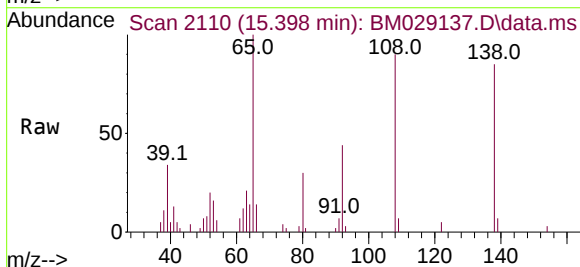
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

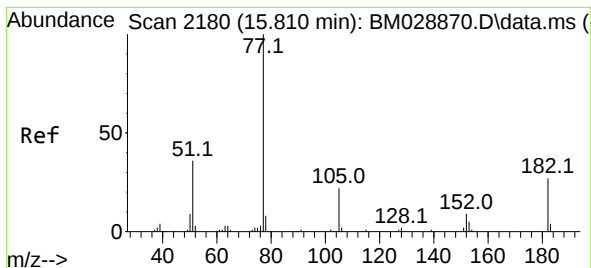
Tgt Ion:204 Resp: 30173  
Ion Ratio Lower Upper  
204 100  
206 35.1 26.1 39.1  
141 65.9 43.7 65.5#



#62  
4-Nitroaniline  
Concen: 43.12 ng  
RT: 15.398 min Scan# 2110  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:138 Resp: 12978  
Ion Ratio Lower Upper  
138 100  
92 51.6 35.5 75.5  
108 105.7 80.5 120.5





#63

Azobenzene

Concen: 45.91 ng

RT: 15.633 min Scan# 2150

Delta R.T. -0.012 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

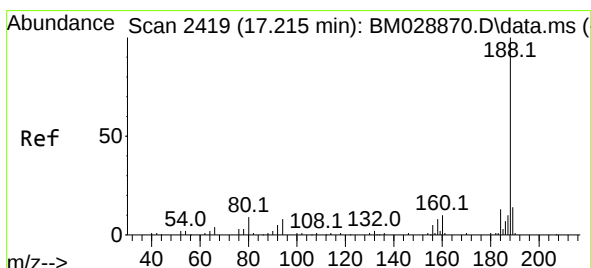
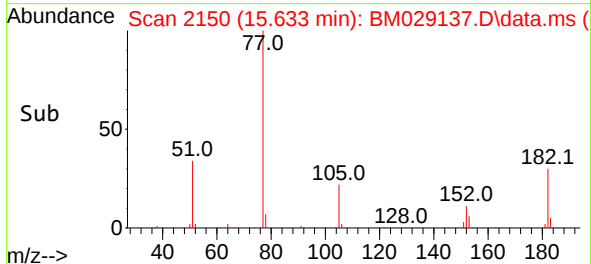
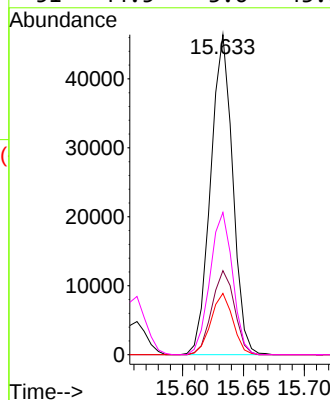
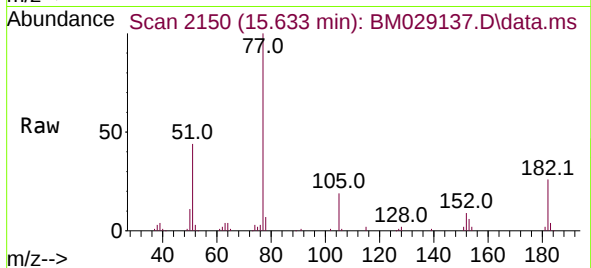
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 58406 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 26.3    | 5.8 45.8    |
| 105 19.2    | 0.0 37.2    |
| 51 44.5     | 3.6 43.6#   |

Instrument :

BNA\_M

ClientSampleId :

D2470-D2800(SOIL)-AMS



#64

Phenanthrene-d10

Concen: 20.00 ng

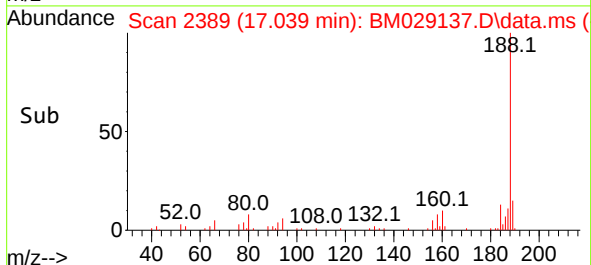
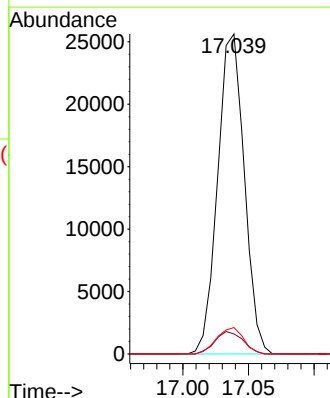
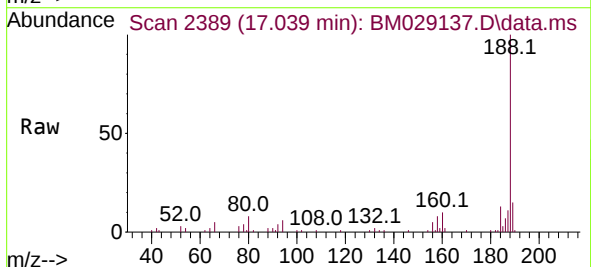
RT: 17.039 min Scan# 2389

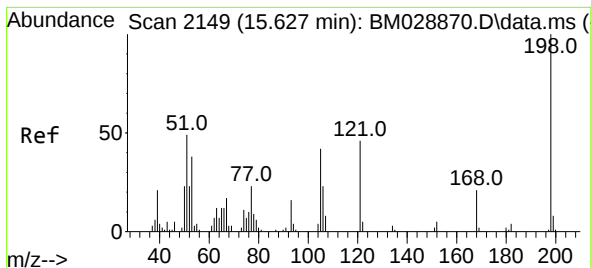
Delta R.T. -0.006 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

|              |             |
|--------------|-------------|
| Tgt Ion: 188 | Resp: 36136 |
| Ion Ratio    | Lower Upper |
| 188 100      |             |
| 94 6.2       | 6.2 9.4#    |
| 80 8.2       | 7.5 11.3    |

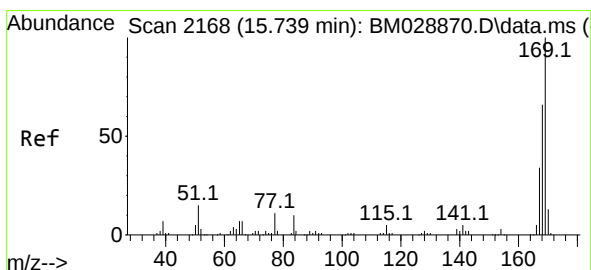
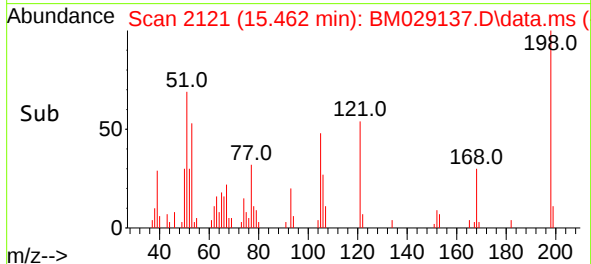
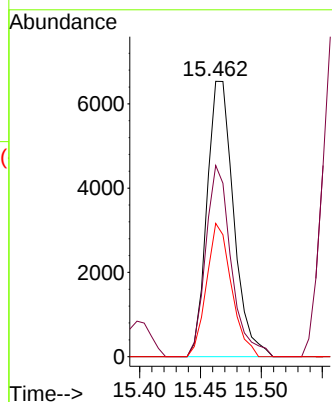
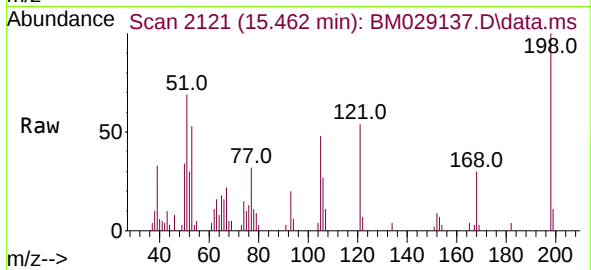




#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.16 ng  
RT: 15.462 min Scan# 2121  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

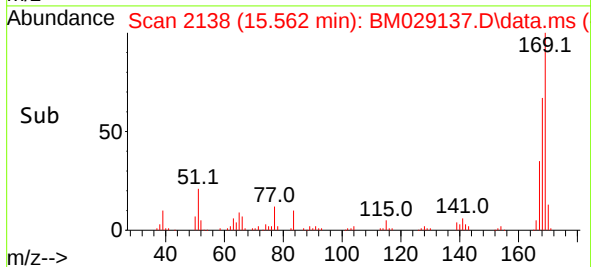
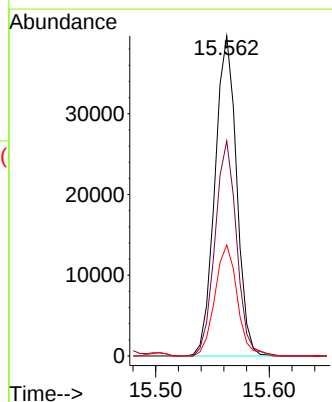
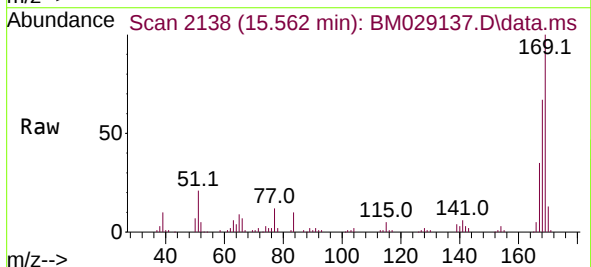
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion:198 Resp: 9964  
Ion Ratio Lower Upper  
198 100  
51 69.4 13.0 53.0#  
105 48.4 18.7 58.7



#66  
n-Nitrosodiphenylamine  
Concen: 42.45 ng  
RT: 15.562 min Scan# 2138  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:169 Resp: 52468  
Ion Ratio Lower Upper  
169 100  
168 67.2 53.8 80.8  
167 34.7 29.0 43.4

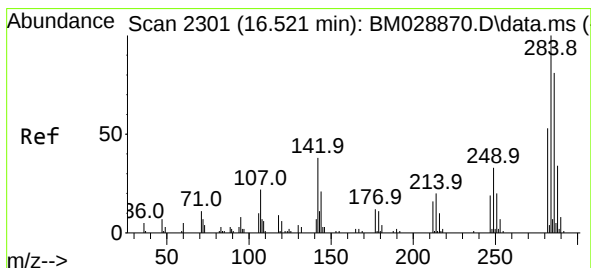
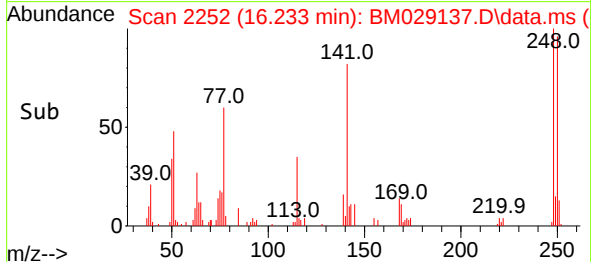
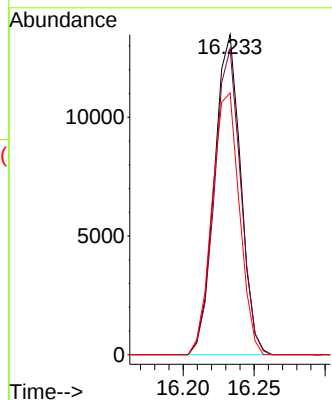
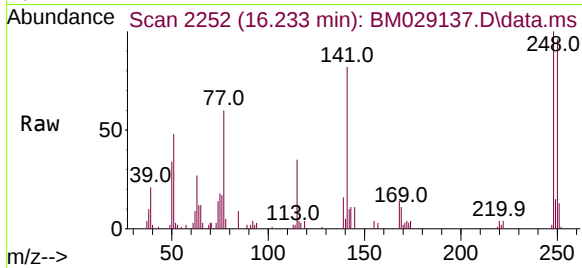




#67  
4-Bromophenyl-phenylether  
Concen: 42.75 ng  
RT: 16.233 min Scan# 2252  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

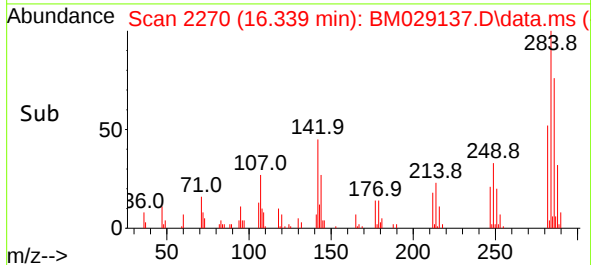
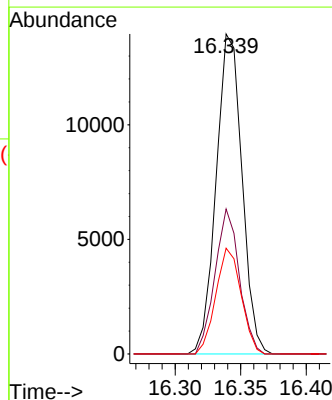
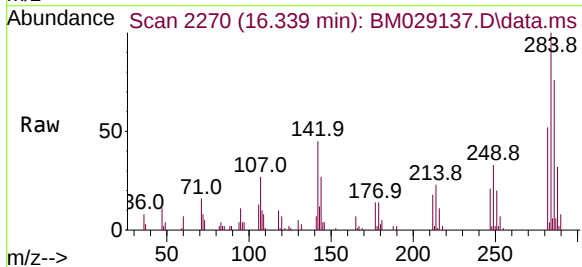
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion:248 Resp: 17332  
Ion Ratio Lower Upper  
248 100  
250 95.6 79.1 118.7  
141 81.8 51.8 77.8#



#68  
Hexachlorobenzene  
Concen: 42.30 ng  
RT: 16.339 min Scan# 2270  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:284 Resp: 19112  
Ion Ratio Lower Upper  
284 100  
142 45.3 26.1 39.1#  
249 33.0 25.6 38.4

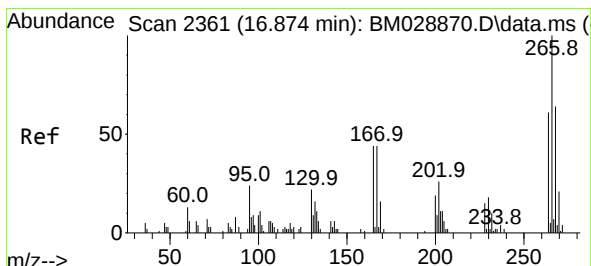
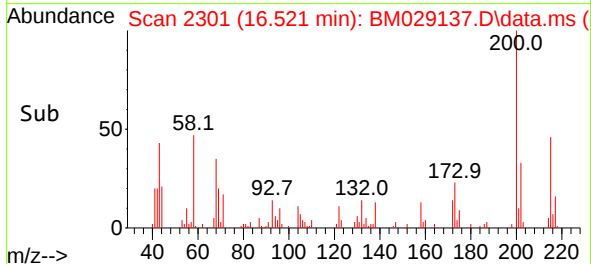
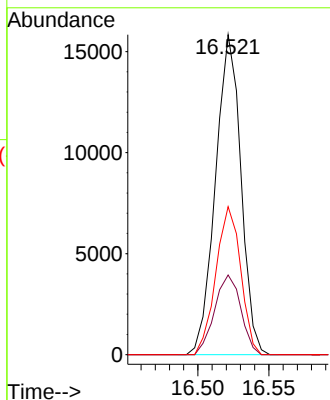
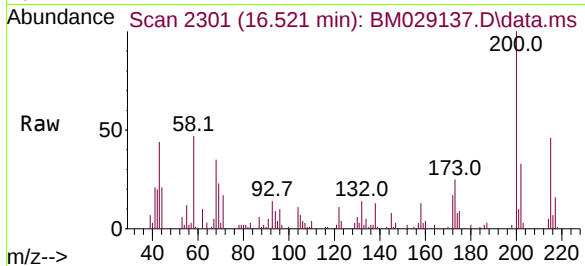




#69  
Atrazine  
Concen: 51.24 ng  
RT: 16.521 min Scan# 2301  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

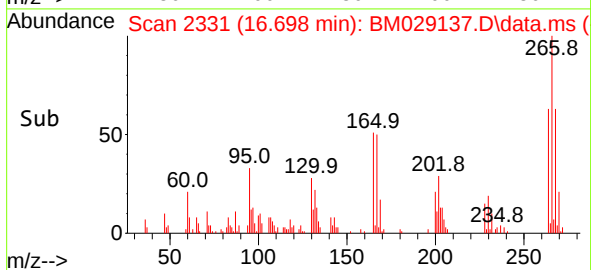
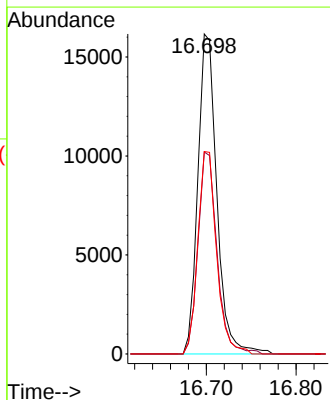
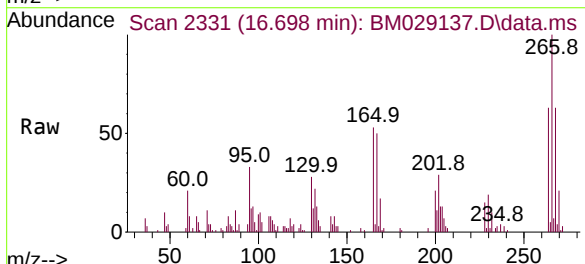
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

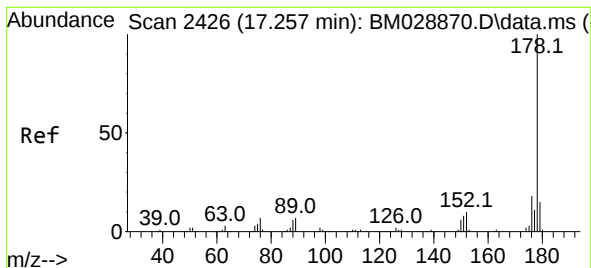
Tgt Ion:200 Resp: 19706  
Ion Ratio Lower Upper  
200 100  
173 24.9 4.9 44.9  
215 46.2 29.0 69.0



#70  
Pentachlorophenol  
Concen: 98.36 ng  
RT: 16.698 min Scan# 2331  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:266 Resp: 23774  
Ion Ratio Lower Upper  
266 100  
268 63.1 49.9 74.9  
264 63.3 50.6 76.0

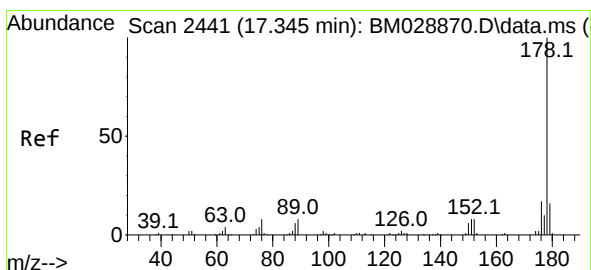
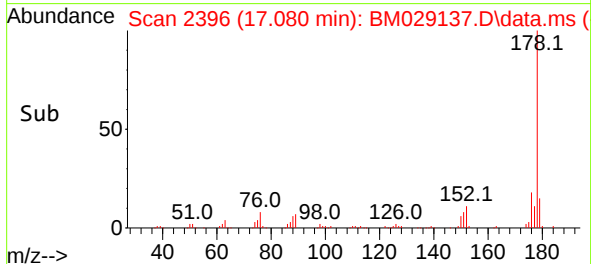
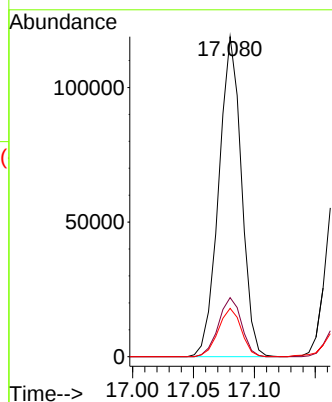
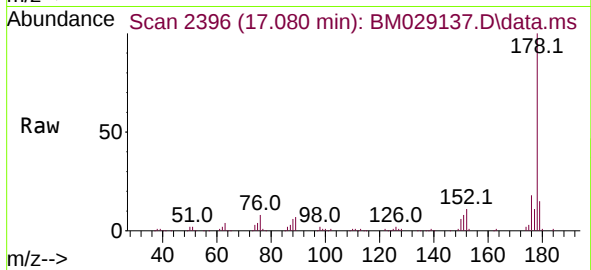




#71  
Phenanthrene  
Concen: 71.50 ng  
RT: 17.080 min Scan# 2396  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

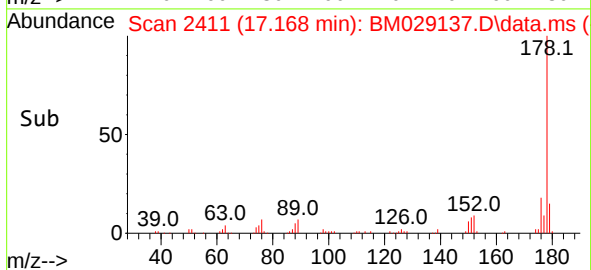
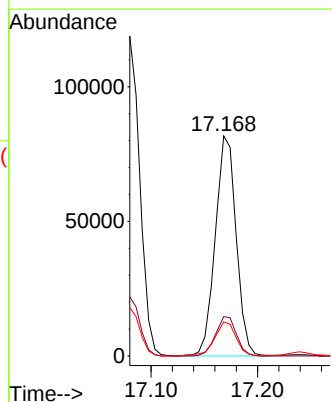
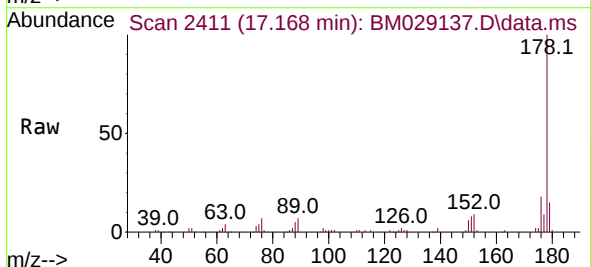
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

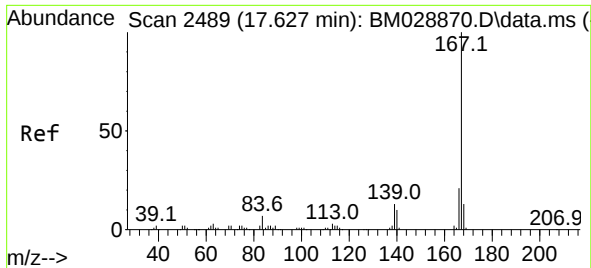
Tgt Ion:178 Resp: 153861  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.0 22.6  
179 15.1 12.2 18.4



#72  
Anthracene  
Concen: 52.17 ng  
RT: 17.168 min Scan# 2411  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

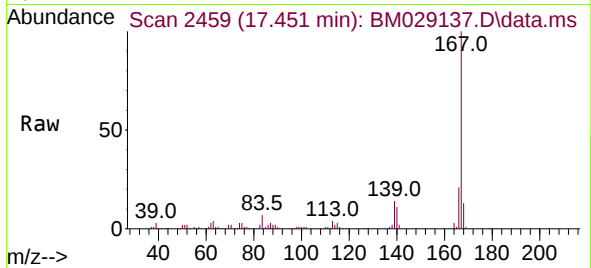
Tgt Ion:178 Resp: 111204  
Ion Ratio Lower Upper  
178 100  
176 17.9 15.0 22.4  
179 15.5 12.5 18.7



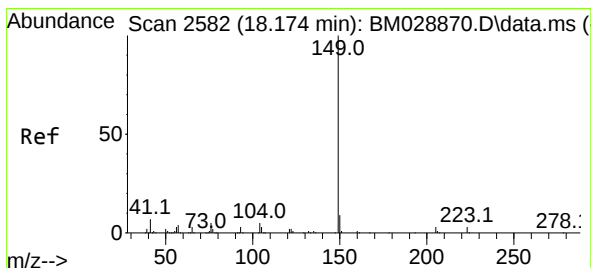
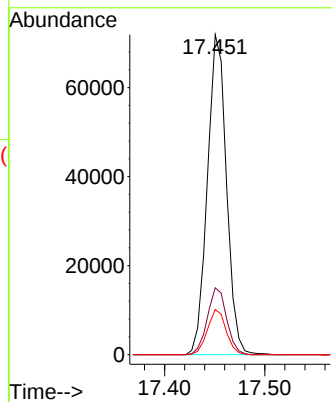
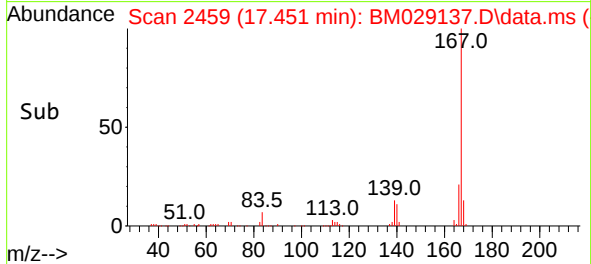


#73  
 Carbazole  
 Concen: 46.63 ng  
 RT: 17.451 min Scan# 2459  
 Delta R.T. -0.012 min  
 Lab File: BM029137.D  
 Acq: 15 Mar 2021 19:25

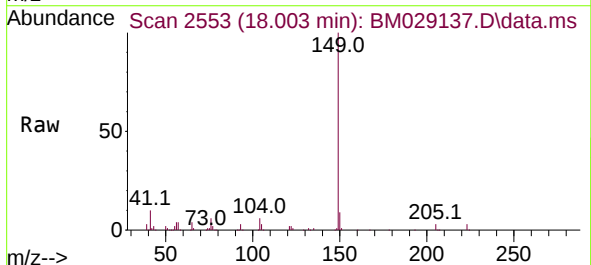
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D2470-D2800(SOIL)-AMS



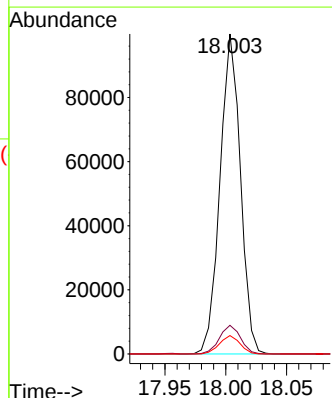
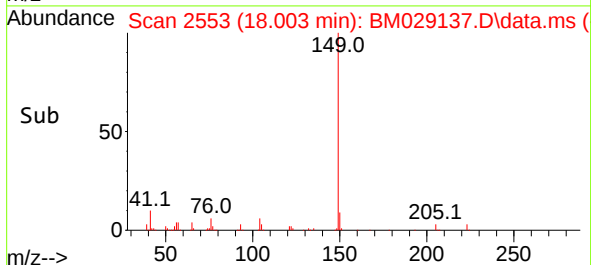
Tgt Ion:167 Resp: 95366  
 Ion Ratio Lower Upper  
 167 100  
 166 20.9 16.9 25.3  
 139 14.1 9.9 14.9

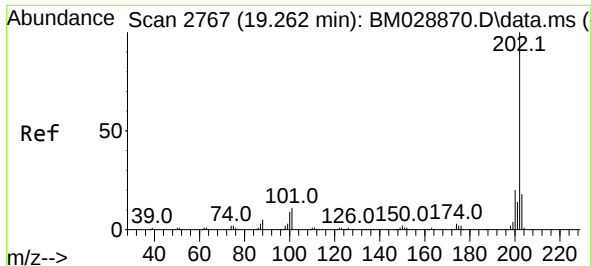


#74  
 Di-n-butylphthalate  
 Concen: 50.08 ng  
 RT: 18.003 min Scan# 2553  
 Delta R.T. -0.006 min  
 Lab File: BM029137.D  
 Acq: 15 Mar 2021 19:25



Tgt Ion:149 Resp: 116457  
 Ion Ratio Lower Upper  
 149 100  
 150 8.9 7.4 11.0  
 104 5.8 4.7 7.1

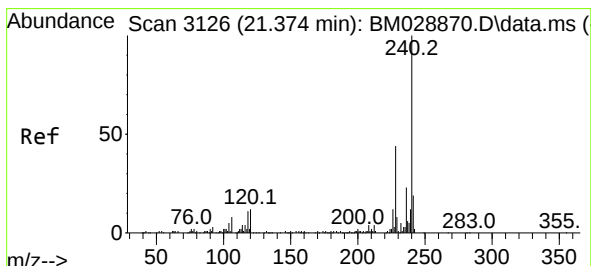
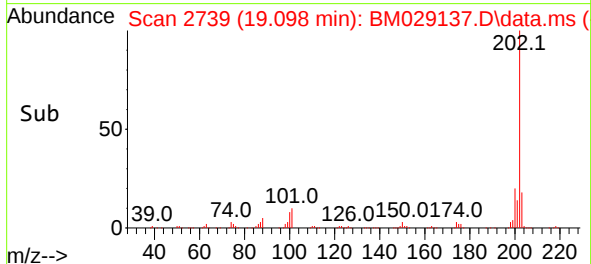
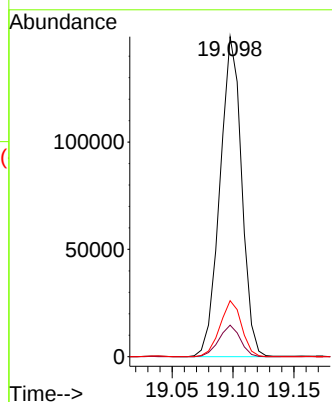
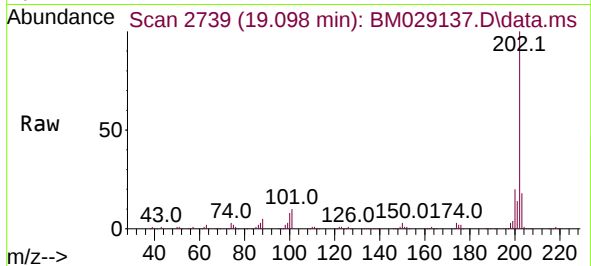




#75  
Fluoranthene  
Concen: 78.29 ng  
RT: 19.098 min Scan# 2739  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

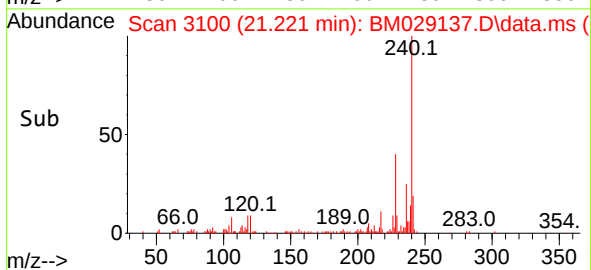
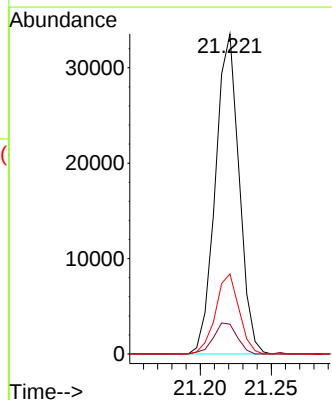
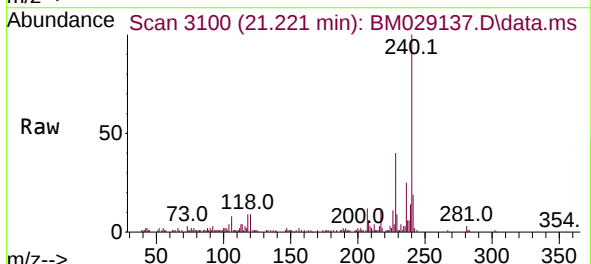
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

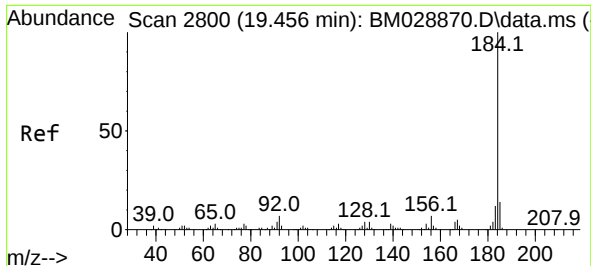
Tgt Ion:202 Resp: 185134  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 28.5  
203 17.5 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.221 min Scan# 3100  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:240 Resp: 38859  
Ion Ratio Lower Upper  
240 100  
120 9.3 6.4 9.6  
236 25.0 20.1 30.1

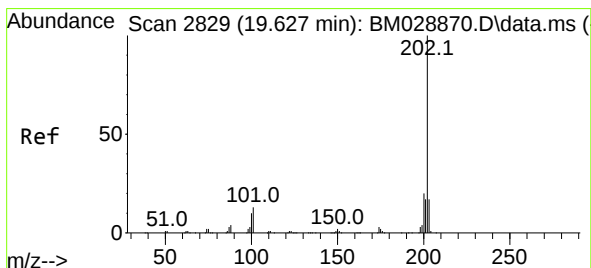
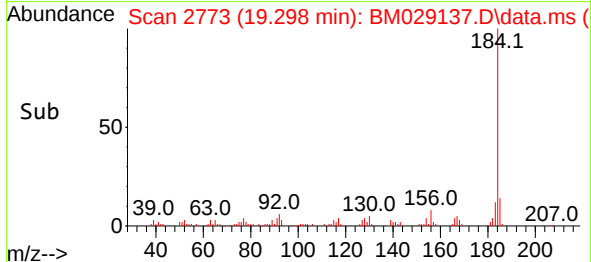
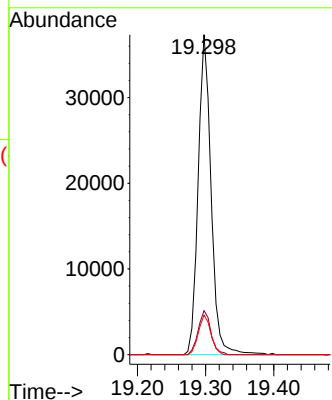
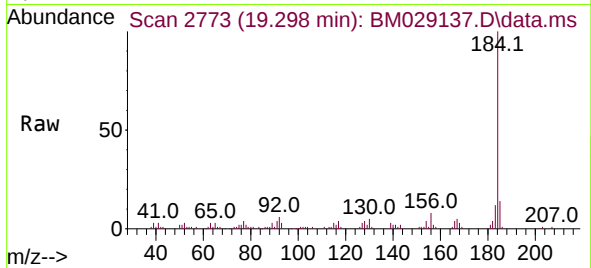




#77  
Benzidine  
Concen: 38.33 ng  
RT: 19.298 min Scan# 2773  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

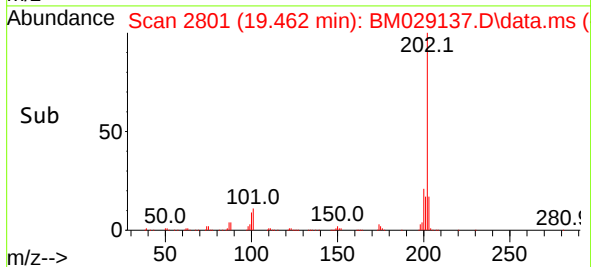
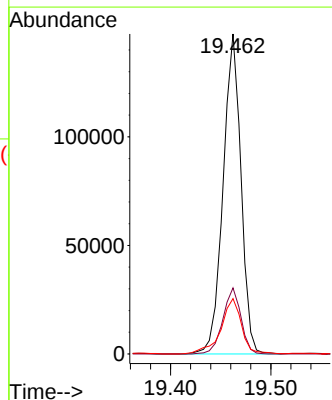
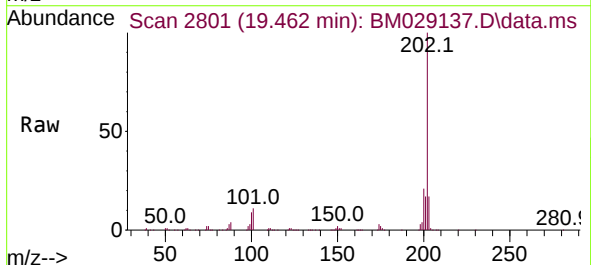
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

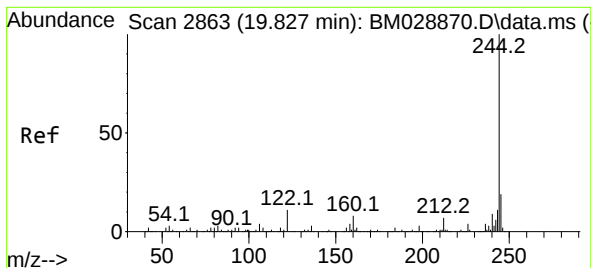
Tgt Ion:184 Resp: 49081  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.0 16.6  
183 12.3 9.7 14.5



#78  
Pyrene  
Concen: 63.81 ng  
RT: 19.462 min Scan# 2801  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:202 Resp: 182157  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.6 24.8  
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 57.96 ng

RT: 19.668 min Scan# 2836

Delta R.T. -0.006 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

Tgt Ion:244 Resp: 121984

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

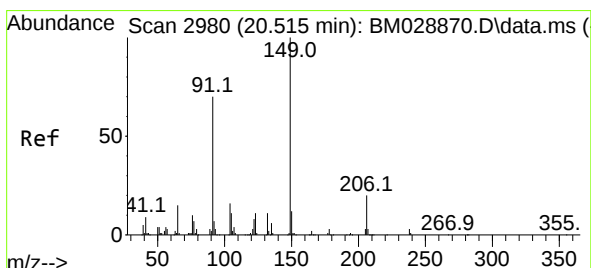
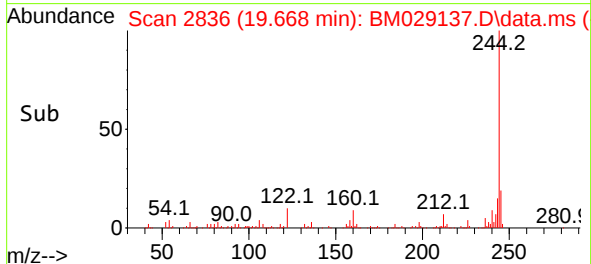
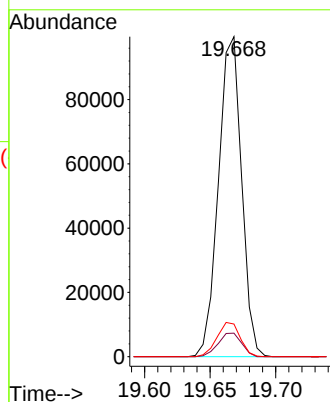
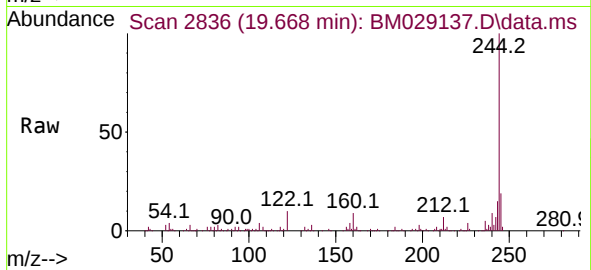
122 10.2 6.5 9.7#

Instrument :

BNA\_M

ClientSampleId :

D2470-D2800(SOIL)-AMS



#80

Butylbenzylphthalate

Concen: 45.67 ng

RT: 20.362 min Scan# 2954

Delta R.T. -0.006 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

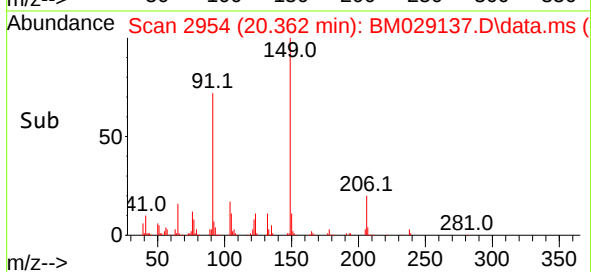
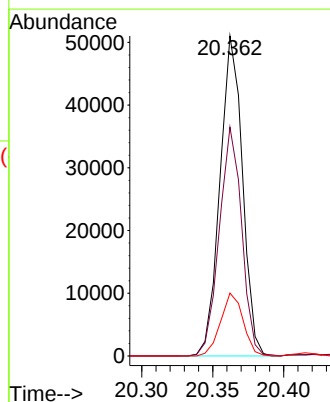
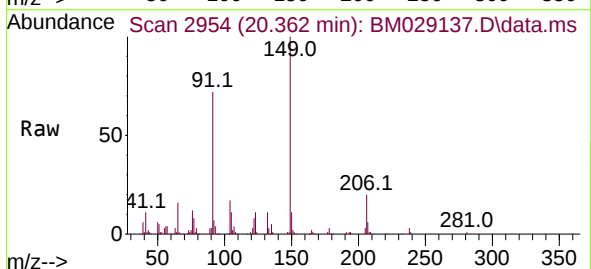
Tgt Ion:149 Resp: 56128

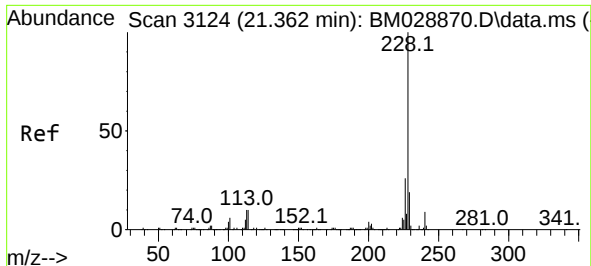
Ion Ratio Lower Upper

149 100

91 71.5 58.1 87.1

206 19.7 18.7 28.1

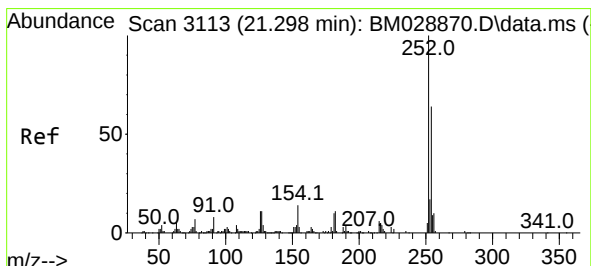
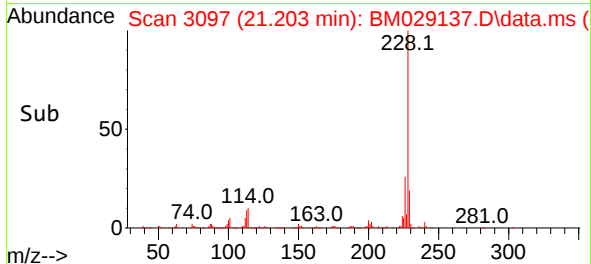
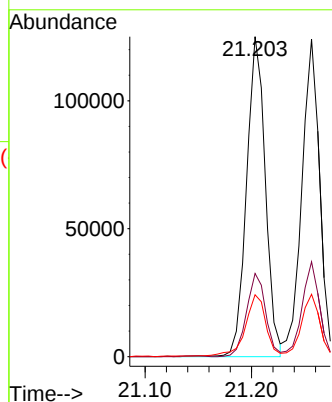
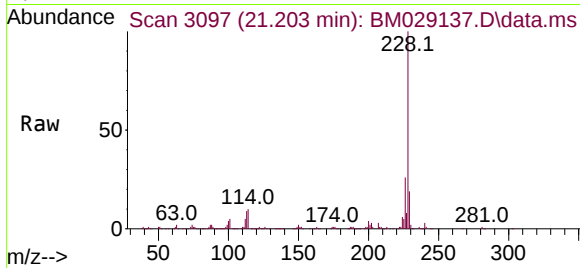




#81  
Benzo(a)anthracene  
Concen: 56.94 ng  
RT: 21.203 min Scan# 3097  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

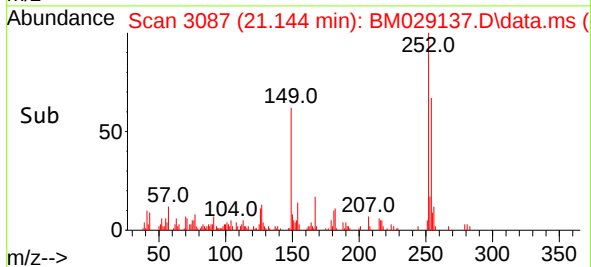
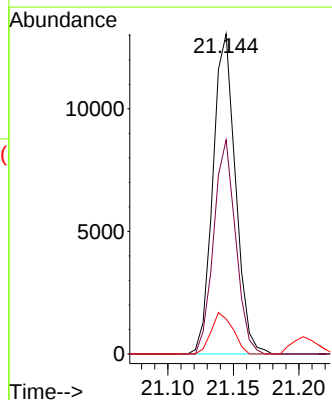
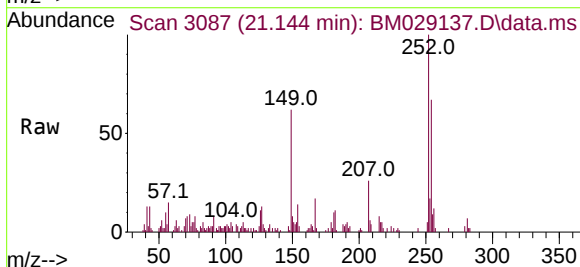
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

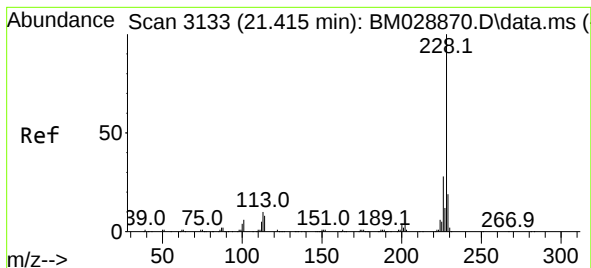
Tgt Ion:228 Resp: 153546  
Ion Ratio Lower Upper  
228 100  
226 26.0 21.1 31.7  
229 19.4 15.7 23.5



#82  
3,3'-Dichlorobenzidine  
Concen: 16.81 ng  
RT: 21.144 min Scan# 3087  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:252 Resp: 15656  
Ion Ratio Lower Upper  
252 100  
254 66.9 51.4 77.0  
126 11.0 6.8 10.2#





#83

Chrysene

Concen: 54.87 ng

RT: 21.256 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

Tgt Ion:228 Resp: 144187

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

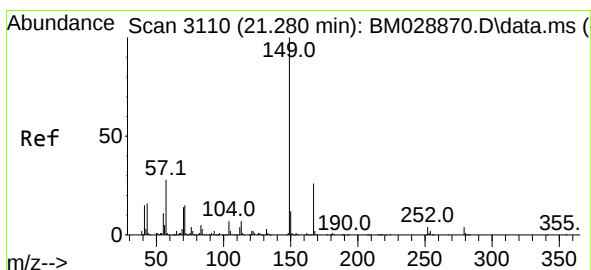
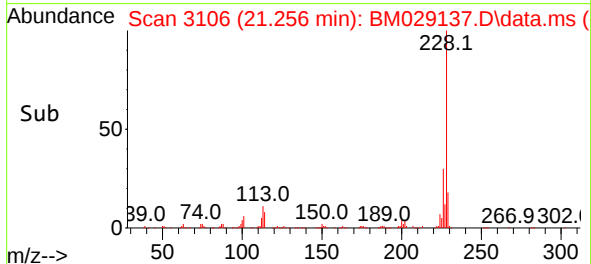
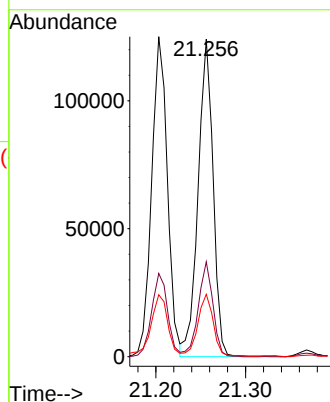
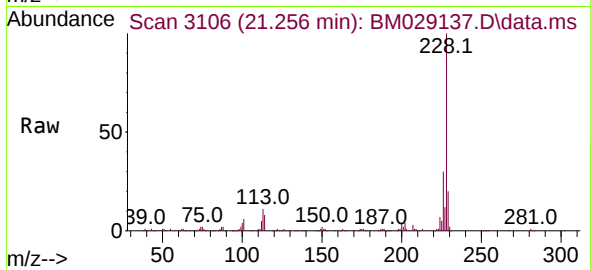
229 19.6 15.7 23.5

Instrument :

BNA\_M

ClientSampleId :

D2470-D2800(SOIL)-AMS



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.58 ng

RT: 21.133 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

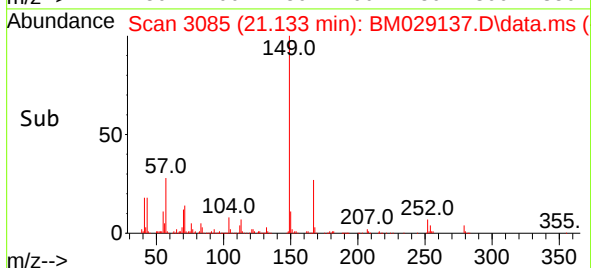
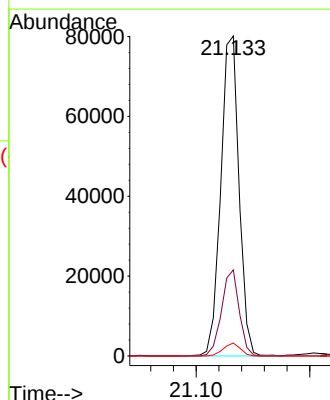
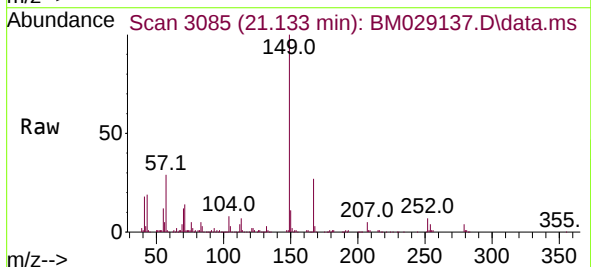
Tgt Ion:149 Resp: 89456

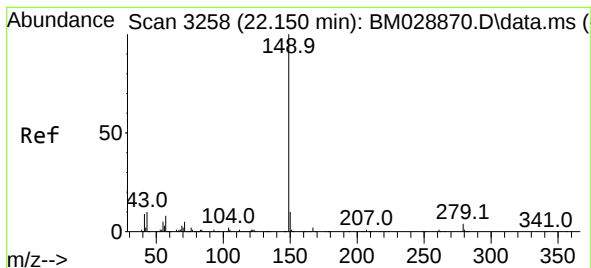
Ion Ratio Lower Upper

149 100

167 26.9 22.7 34.1

279 4.0 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 52.09 ng

RT: 21.980 min Scan# 3229

Delta R.T. -0.012 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

Tgt Ion:149 Resp: 156304

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

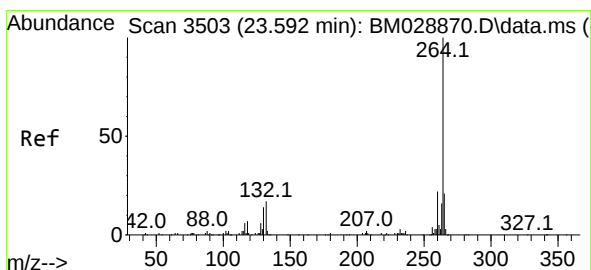
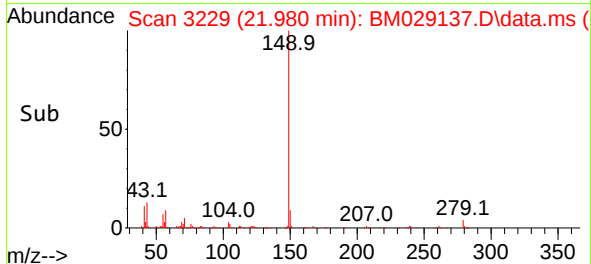
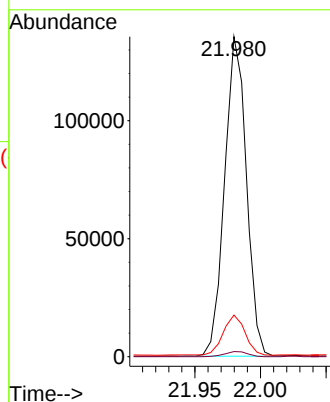
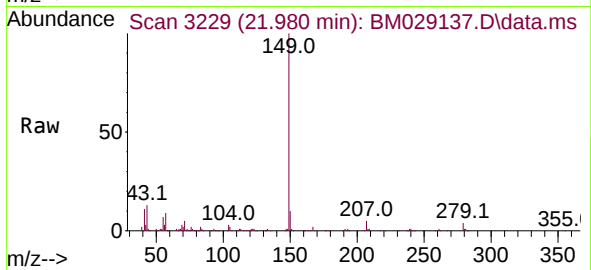
43 12.7 5.8 8.6#

Instrument :

BNA\_M

ClientSampleId :

D2470-D2800(SOIL)-AMS



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.356 min Scan# 3463

Delta R.T. -0.012 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

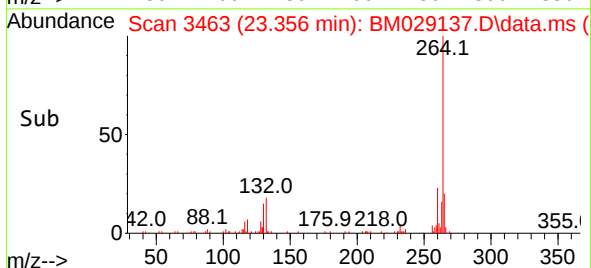
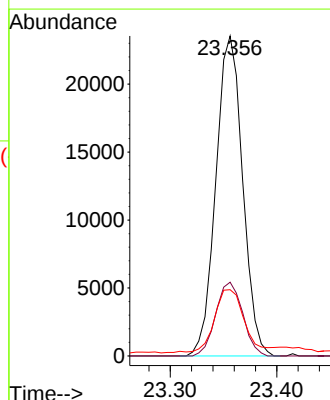
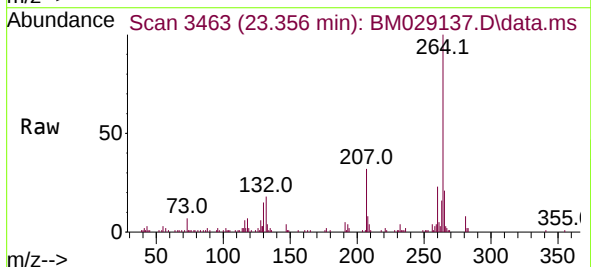
Tgt Ion:264 Resp: 41061

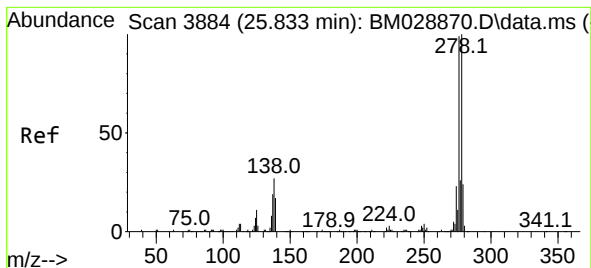
Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

265 20.7 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.19 ng

RT: 25.497 min Scan# 3827

Delta R.T. -0.012 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

Tgt Ion:276 Resp: 161698

Ion Ratio Lower Upper

276 100

138 25.8 14.2 21.4#

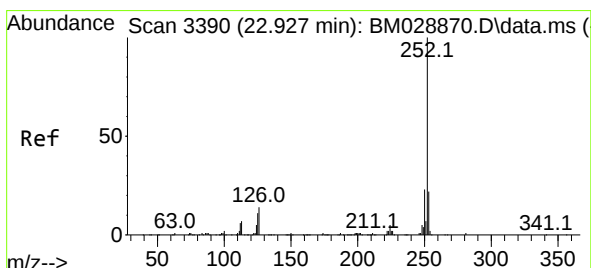
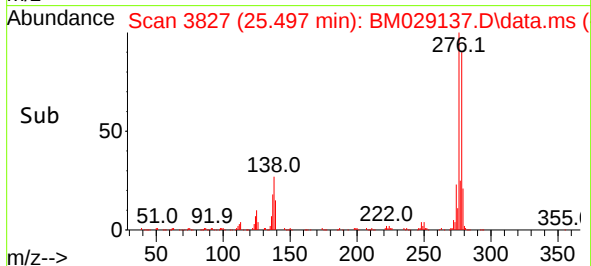
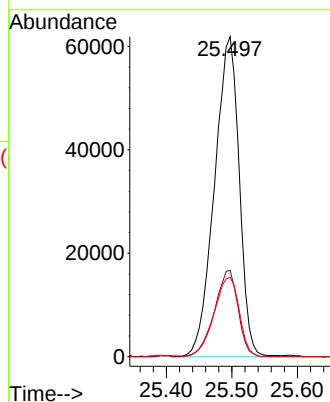
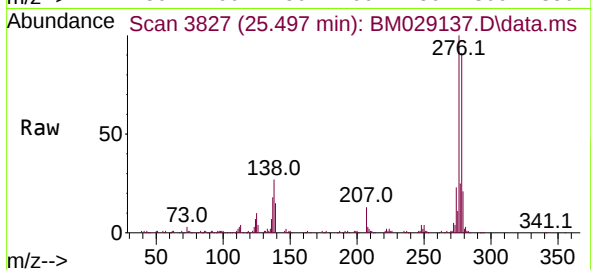
277 25.2 19.8 29.8

Instrument :

BNA\_M

ClientSampleId :

D2470-D2800(SOIL)-AMS



#88

Benzo(b)fluoranthene

Concen: 53.79 ng

RT: 22.727 min Scan# 3356

Delta R.T. -0.006 min

Lab File: BM029137.D

Acq: 15 Mar 2021 19:25

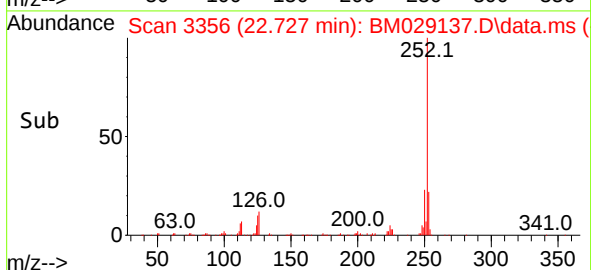
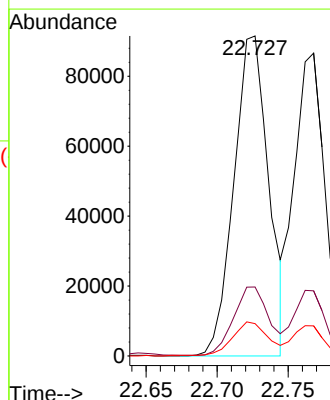
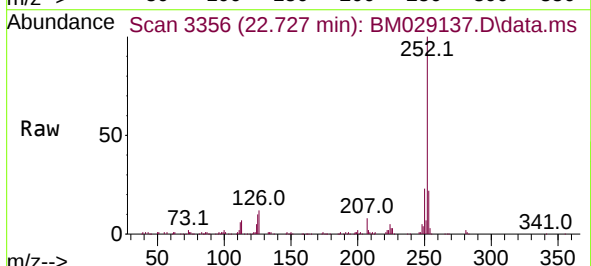
Tgt Ion:252 Resp: 156020

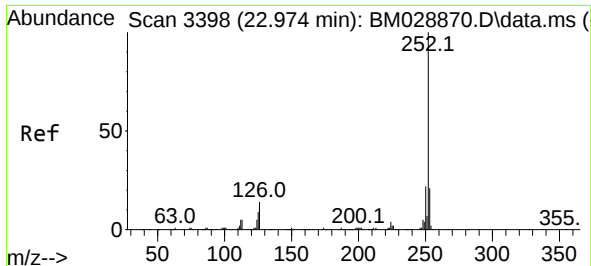
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.1 5.7 8.5#

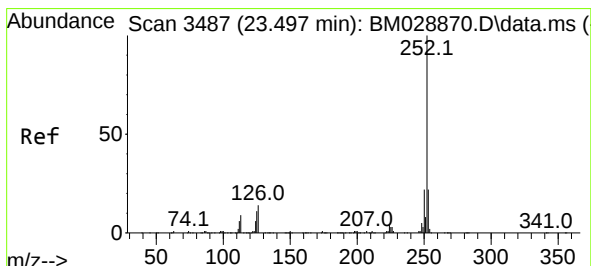
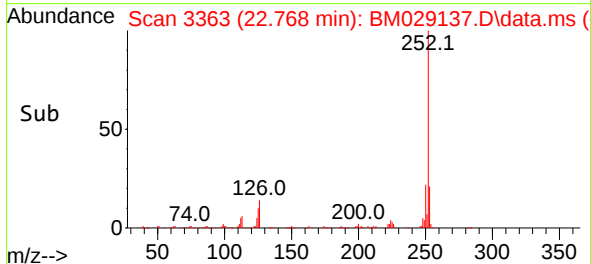
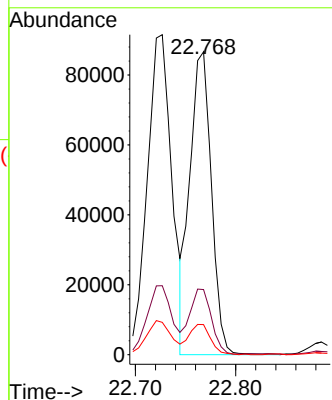
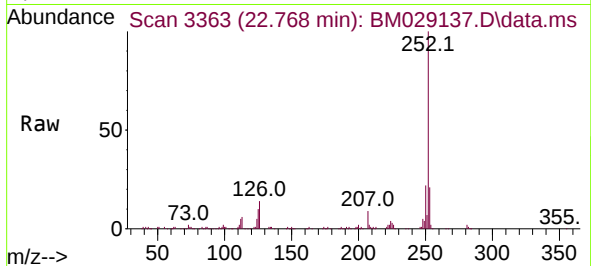




#89  
Benzo(k)fluoranthene  
Concen: 46.98 ng  
RT: 22.768 min Scan# 3363  
Delta R.T. -0.006 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

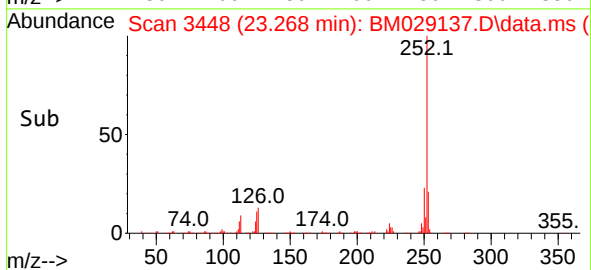
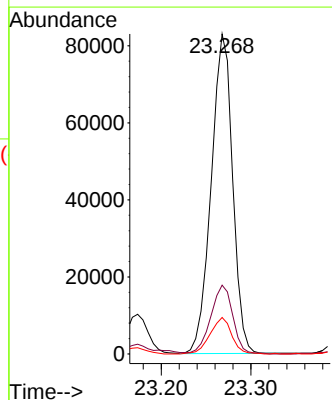
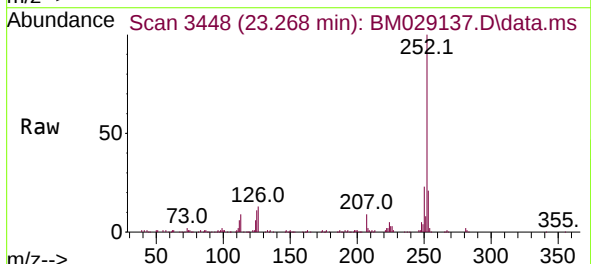
Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

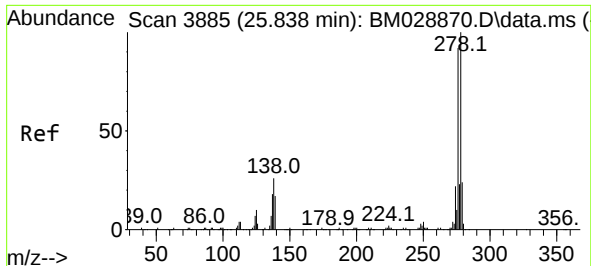
Tgt Ion:252 Resp: 129438  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.0  
125 9.9 5.6 8.4#



#90  
Benzo(a)pyrene  
Concen: 51.92 ng  
RT: 23.268 min Scan# 3448  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:252 Resp: 137409  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.2  
125 11.4 6.6 9.8#

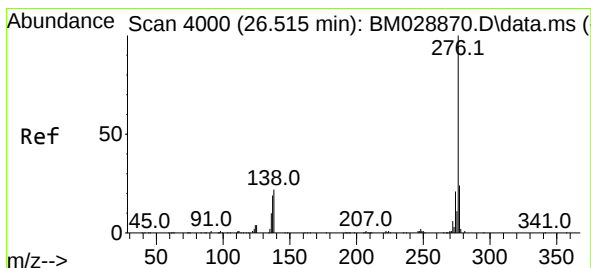
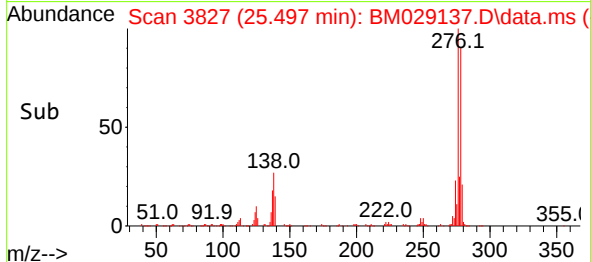
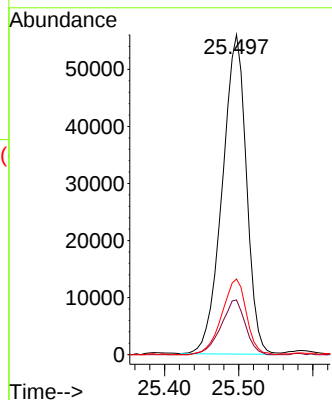
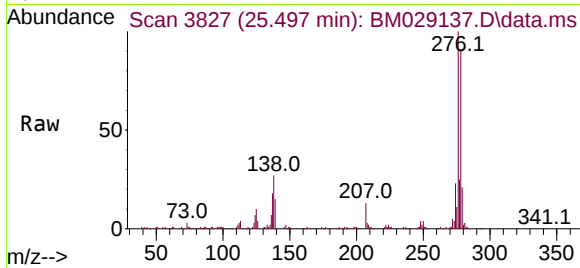




#91  
Dibenzo(a,h)anthracene  
Concen: 46.97 ng  
RT: 25.497 min Scan# 3827  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Instrument :  
BNA\_M  
ClientSampleId :  
D2470-D2800(SOIL)-AMS

Tgt Ion:278 Resp: 126484  
Ion Ratio Lower Upper  
278 100  
139 17.1 9.0 13.6#  
279 23.6 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 51.25 ng  
RT: 26.144 min Scan# 3937  
Delta R.T. -0.012 min  
Lab File: BM029137.D  
Acq: 15 Mar 2021 19:25

Tgt Ion:276 Resp: 133259  
Ion Ratio Lower Upper  
276 100  
277 24.4 18.6 28.0  
138 21.7 12.2 18.2#

