Editorial - Help the Chemist

This question can be modelled as a graph problem.

The input gives us the number of bonds detected by the instrument and pairs of integers denoting the two atoms that have a bond between them.
The bonds between the atoms can be modelled as edges of the graph. The atoms can be modelled as vertices of the graph.

Then we have to count the number of strongly connected components in the graph. The number of strongly connected components will be the total number of molecules in the sample.
Then in each of the strongly connected components, count the number of vertices, which would give the number of atoms in each molecule.