Determination of heavy metal cations in analytical chemistry in everyday life and in particular has an important place. The substance to be determined in the working examples, are usually more than one. It may require analysis of multiple heavy metal. In analysis of samples containing heavy metal cations depending on the type and concentration of heavy metal cations, selection of appropriate methods of analysis it is essential. Usually analyte in the sample to be analyzed, which has a destructive effect on the analyte in a matrix environment. Before analyzing the samples removed from the corrupting influence which type of media or media that must be masked in. An amount of analyte in the medium during separation and masking removed.