

How to fill out the forms?

It would be nice to have the forms filled out completely. E.g., the elemental composition given allows us to simulate spectra and to verify the calibration of the instruments. The molecules' structure determines the ionization method suitable for the respective molecule and the phone number gives us the chance to call you when there are still questions and/or problems.

For some ionization methods we need special information, e.g. we need a solvent for doing ESI.

For EI it is nice to have a boiling point / point of sublimation, but the information "below 250 °C" is helpful as well. We can not measure dissolved samples using EI.

For all substances it would be nice to know if they're unstable to oxygen, oxidation, humidity, acids, or bases, just to prevent problems for you or to have spectra you can not explain.

How are the samples submitted to be measured?

Easiest way to submit the samples is to fill a !small! vial (best an up to 2 mL volume glass vial, plastic vial, ...) with approx. 3 mg of the pure, solid substance and close the vial properly – this excludes paper plugs or just a little piece of Parafilm.

The samples should be fixed on the submission form and marked properly (best with the short name).

There's a possibility to store the sample vials in the fridge/refrigerator in room 13.11, please mark this on the submission form. The sample submission form then is placed in the sample disposal as usual. Please ask the service personnel for storage in the fridge/freezer.

For special measurements, like the ones with unstable compounds or MSⁿ experiments you need an appointment (Easiest it is to write on the submission form "Bitte um telefonische Terminabsprache", then we give you a call and arrange a date as soon as possible or just to speak with one of us).

For very unstable compounds the sample preparation has to be done by the users themselves, since we don't have the possibility to have a large choice of dry solvents at hand or to work under "real" inert gas atmosphere. Then, also an appointment may be helpful as well so that we can analyze a freshly prepared sample.

All samples are measured in order of delivery, until no special appointment was granted.

The more we know about the samples (e.g. possible/known impurities), the better results you'll get!

In case of problems or if you have questions, just feel free to visit us!