

Mass spectrometry

At the present time, the School of Chemistry's Mass Spectrometry Laboratory has six instruments. These range from traditional magnetic sector mass spectrometers, offering EI, CI, GC/MS and LSIMS techniques, to modern time of flight instruments equipped with MALDI, Electrospray / APCI, and with LC/MS capability. This variety of techniques and ionisation methods permit molecular weight and structural information across the full range of chemical and biochemical disciplines.

Additionally, the use of automation allows for fast turn round of samples and coupled with the use of modern computing, results can be presented as hard copy and/or on CD or DVD for personal use and storage.

What can we offer?

For further information on the mass spectrometry techniques we can offer, please follow the links below.

- [Electron impact \(/facilities/chemical-analysis/mass-spec/electron-impact.aspx\)](/facilities/chemical-analysis/mass-spec/electron-impact.aspx)
- [Chemical ionisation \(/facilities/chemical-analysis/mass-spec/chemical-ionisation.aspx\)](/facilities/chemical-analysis/mass-spec/chemical-ionisation.aspx)
- [Fast atom bombardment / liquid ion mass spectrometry \(/facilities/chemical-analysis/mass-spec/fast-atom-bombardment.aspx\)](/facilities/chemical-analysis/mass-spec/fast-atom-bombardment.aspx)
- [Matrix-assisted laser desorption ionization \(/facilities/chemical-analysis/mass-spec/maldi.aspx\)](/facilities/chemical-analysis/mass-spec/maldi.aspx)
- [Electrospray \(/facilities/chemical-analysis/mass-spec/electrospray.aspx\)](/facilities/chemical-analysis/mass-spec/electrospray.aspx)

If you wish to discuss elemental analysis please ring Dr N Spencer on 0121 414 4419 or email n.spencer@bham.ac.uk (<mailto:n.spencer@bham.ac.uk>)

Please follow the link to submit a query or obtain a quotation through our [online form \(http://www.chem.bham.ac.uk/industry/contact.shtml\)](http://www.chem.bham.ac.uk/industry/contact.shtml).