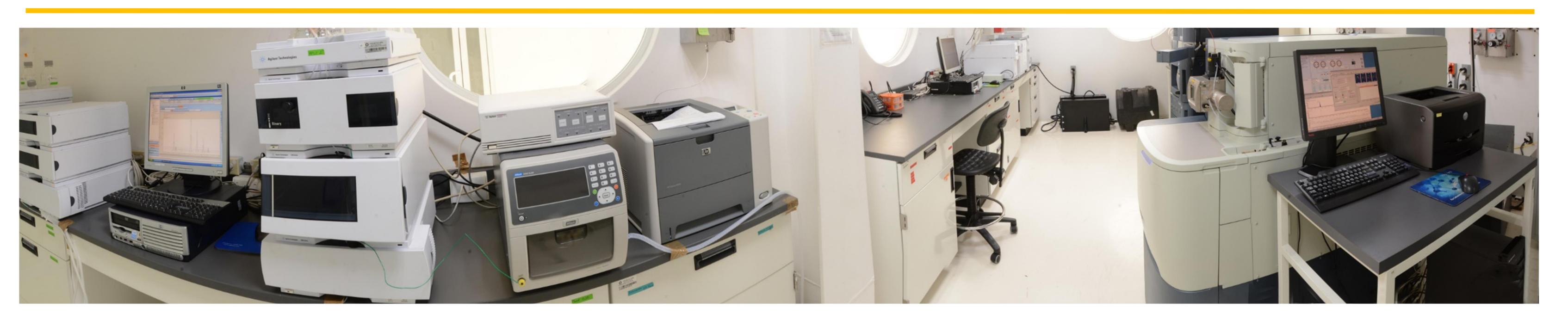




# Mass spectrometry and metabolomics capabilities at the National Laboratory of Genomics for Biodiversity

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We provide access to a range of chromatography and mass spectrometry techniques that enhance research at CINVESTAV. As a specialist laboratory we collaborate with and support colleagues across a spectrum of disciplines, as well as pursuing our own research interests.



Our expertise in the field of mass spectrometry is available to corporate customers and external academic institutes.

Mass spectrometry is a powerful analytical tool with a myriad of applications for product development and research including:

### Omics:

- Metabolomics
- Lipidomics
- Proteomics
- Glycomics

## Protein characterization:

- Identification and quality control
- Post-translational modifications

#### Allied techniques:

- MALDI Imaging
- Isotope dilution for absolute quantification

#### Instrumentation:

- HPLCs 1200 Series with FLD, DAD and ELSD (Agilent Technologies, USA)
- UPLC Acquity with PAD (Waters, UK)
- UPLC nanoAcquity (Waters, UK)
- GC-MS System (Agilent Technologies, USA)
- ICP-MS System (PerkinElmer, USA)
- LCT Premier TOF (Waters, UK)
- SYNAPT G1 QTOF (Waters, UK)

#### Flexible access arrangements

Through our dedicated staff team, we work with customers to match our services to their needs. This includes delivering contract sample analysis, training and consultancy. We are also able to enter into long-term research collaborations.

#### Contact

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