

Direct sample infusion on ionization source of FT-MS to the chemical characterization of complex mixtures

DATE: November 28, 2017

TIME: 12:00h

VENUE: Conference Room – Jeronimo de Ayanz Building (Public University of Navarra)

ABSTRACT

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The high resolution mass spectrometry appears as an efficient tool to help on the full chemical characterization of complex mixtures. Conventional systems like GC/MS are largest employed in a characterization of fuels, biofuels and natural products but they are very restrictive to polar and non volatile compounds. LC/MS systems can cover a wide range of the compounds discriminated by GC, but they spend time like GC, considering a chromatography run analysis. Direct sample infusion on the ionization source of a high resolution system operating with a mass resolution power of 140,000 at 200 m/z can save time and costs giving to you a sample fingerprint. This seminar will present the characterization of samples of biodiesel, bio-oil, and plants extracts by direct sample infusion on ionization system like ESI and EASI and the analysis by high resolution mass spectrometry analyzers.

Registration NOT needed