

GC/MS/MS



Technical description:

The Agilent 7000 GC/MS triple quad provides the most accurate quantitation and reliable identification of compounds in even the most complex matrices. The instrumental detection limit (IDL) of 4 fg octafluoronaphthalene (OFN) for the GC/MS 7000 system. The system has MassHunter MRM optimization tools and a database of pesticides and environmental pollutants that allows the determination of even trace amounts of dioxins, polychlorinated biphenyls (PCBs), pesticides, PAHs, VOCs, etc.

Trade name: 7000 Triple Quadrupole GC/MS

More details: </equipment/gcmsms/>

Access type: External

Type of accreditation / certificate: Not applicable

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Responsible body: Department of Environmental Analysis, Geological Mapping, and Economic Geology

Group / laboratory / team: Wydziałowe Laboratorium Geochemii Organicznej i Analiz Środowiskowych

Last update date: March 8, 2025, 10:29 a.m.

Year of commissioning: 2012

IDUB research areas:

(PRA 3) Water-energy-climate: interdisciplinary approach to sustainable development

Research capabilities:

The 7000 GC/MS system enables quantitative determinations in complex matrices of such compounds as pesticides, PAHs, Hydroxy-PAHs, pharmaceuticals, biomarkers, diamandoids, fatty acids.

Measurement capabilities:

The system enables reliable trace analysis of even the most complex matrixes with an IDL of less than 4fg OFN

Conditions for providing infrastructure:

In accordance with the Laboratory Regulations available on the website <http://www.orgchem-lab.agh.edu.pl/>