

Chemistry Department

Laboratório de Química Bioorgânica Analítica

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35 International papers
4 Patents
5 Book Chapters
20 Industry confidential Reports
5 PhD students
8 Master students

Objectives

Increasing cooperation with industry and private and public companies in order to solve relevant problems. Development and improvement of new analytical chemical methodologies.

Protocols with:

- Industry
- Forensic private companies
- Pharmaceutic reference laboratory
- Lawyers
- Hospitals and clinics
- Farmers Association

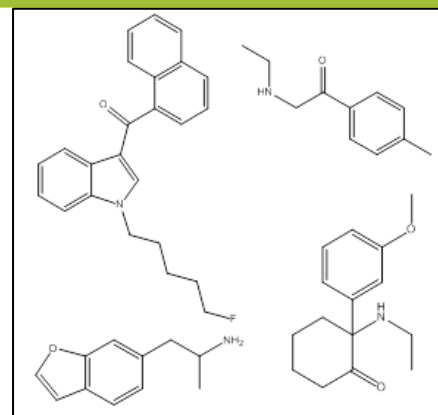


Figure 1 – Chemical structures of smartshop drugs

Methodology

Using new and improvement analytical techniques and chemical sample preparation methodologies.

Expected Results

Resolution of important specific problems related with the presence of organic compounds, markers, biomarkers or geomarkers of diseases and environmental contamination, forensic analysis, agro-products improvement and new ecotoxicological detection methodologies.

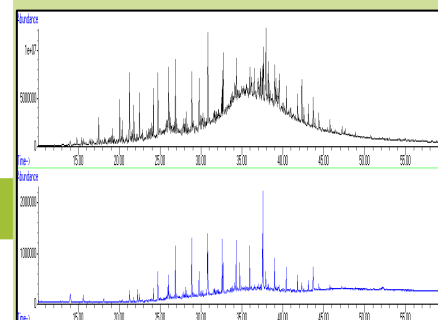


Figure 2 - Analysis of: A – 6 year old Diesel Spill.
B – Diesel with Chemical Biodiesel Markers Spill.