
HYPHENATED TECHNIQUES IN THE PETROLEUM AND PETROCHEMICAL INDUSTRIES

Tom Lynch

Research and Technology, Fuels and Lubricants, BP Technology Centre,
Whitchurch Hill, Pangbourne, RG8 7QR, UK, tom.lynch@bp.com

The petroleum and petrochemical industry has been a major force in the development and application of hyphenated chromatographic techniques for over 50 years and the industry continues to look for new technologies to further improve the tools available to the analyst to characterise a wide range of feedstocks, intermediates and products.

This paper will briefly review key areas where hyphenated chromatographic techniques have made a major contribution within the petroleum industry. The key drivers for the application of hyphenated techniques will be discussed and illustrated using selected examples from actual applications. Finally new and emerging opportunities and challenges within the industry where hyphenated chromatographic techniques can play a major role, such as the introduction of bio-fuels, will be discussed.