ColouchemCoulArray With Your HPLC System

CGS

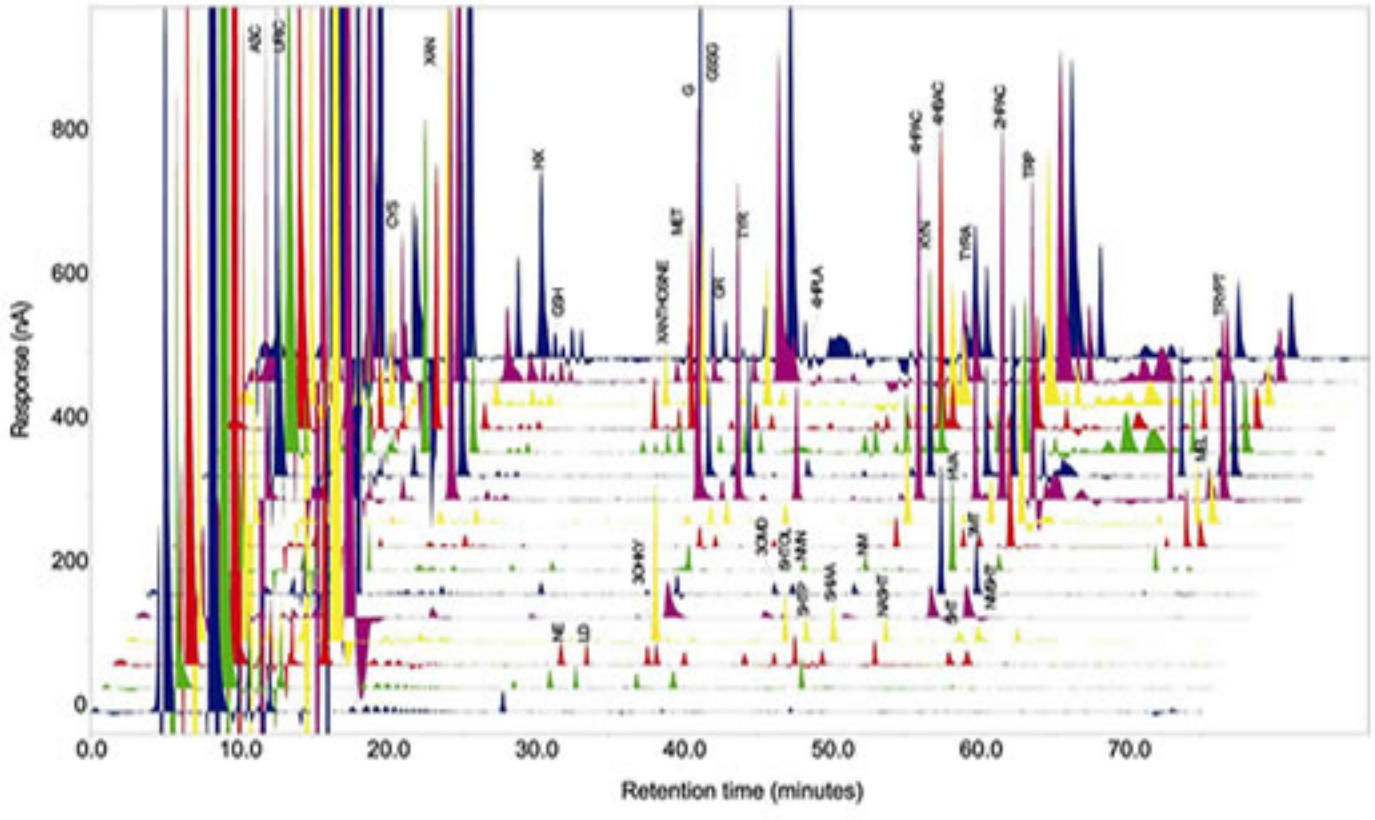
CoulArray® with Your HPLC system CGS 2002.32

Simplifying Complex Analytical Problems

You may already have part of a Coulometric array system. It's your HPLC. Add the CoulArray detector and you have an uniquely powerful, cost-effective system for even your most challenging analytical tasks.
With the CoulArray detector, you can generate comprehensive data from a single sample. Measurements of compounds can easily be performed over six orders of magnitude in concentration, even in the presence of co-eluting analytes or matrix effects.

The capabilities of the CoulArray Detector can be applied to a broad spectrum of analytical problems.

Pharmaceutical - From quality control to drug discovery, the inherent sensitivity and selectivity of the CoulArray enable measurement of vanishingly small quantities of pharmaceuticals and their metabolites, even in complex samples. Applications include discovery of novel drugs in natural products, assessment of drug stability and determination of physiological activity.
Food and Beverage - The CoulArray's ability to measure low levels of non-volatile flavonoids and phenolics can provide a competitive advantage by profiling the characteristic qualities of products, determining their integrity and evaluating competitors' products.
Neuroscience - The measurement of neurotransmitters, simultaneous monoamines, and amino acids are just some of the examples of the neuroscience applications of the CoulArray.
Environmental - Analysis in the environmental lab is enhanced by the ability to screen for a large number of compounds, such as pesticides and herbicides, where the allowable limits are below those readily measurable by other analytical techniques. In addition, the analysis of low levels of explosive compounds is becoming increasingly important in site characterization projects.

Other areas of research can be enhanced by the addition of Coulometric array technology:

Toxicology
Cancer Research
Forensics
Oxidative Metabolism