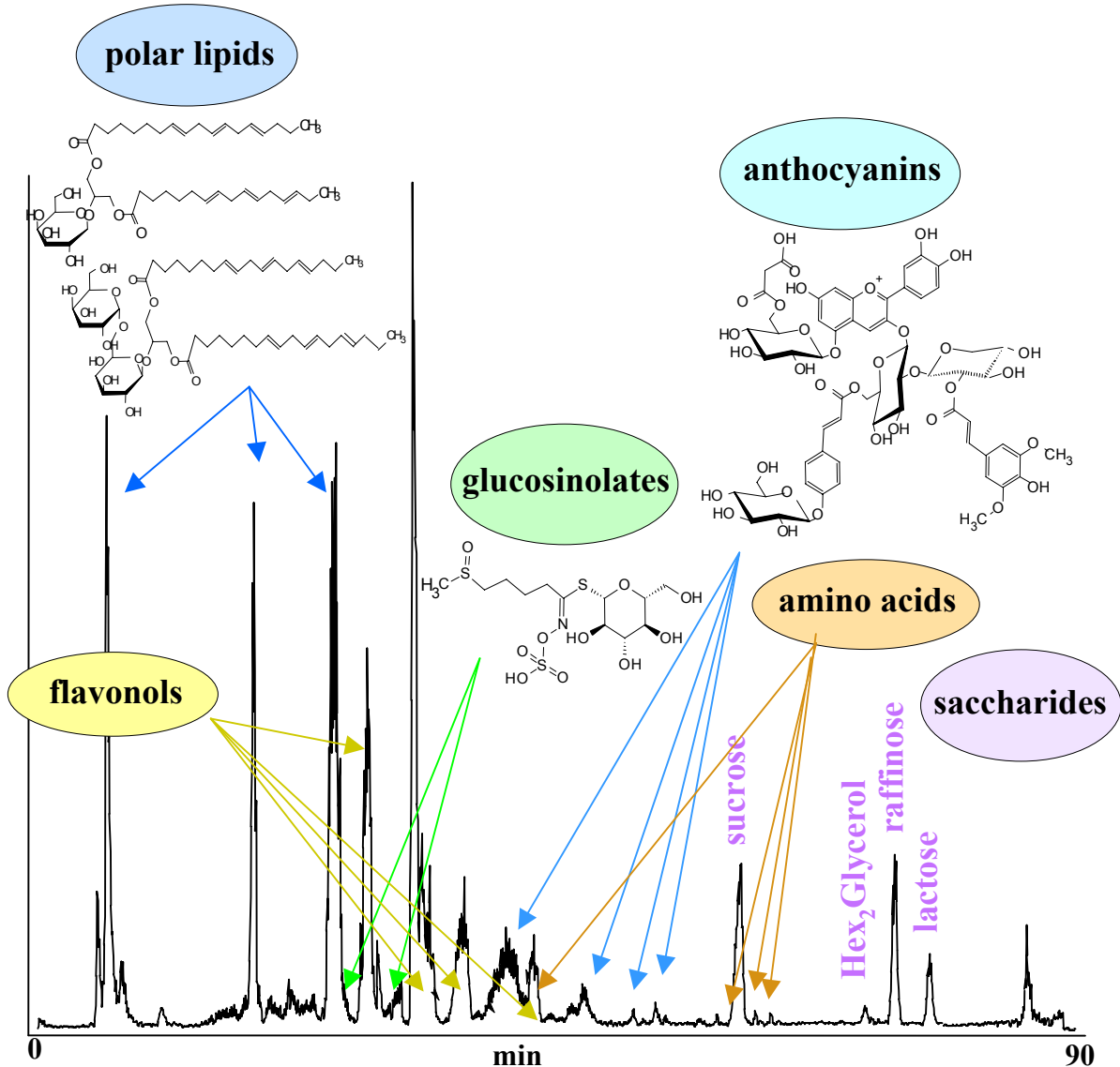


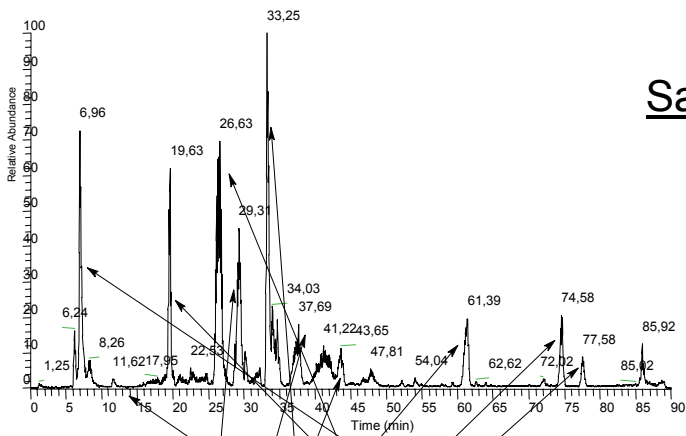
METABOLOMICS 2004



Arabidopsis thaliana leaf extract

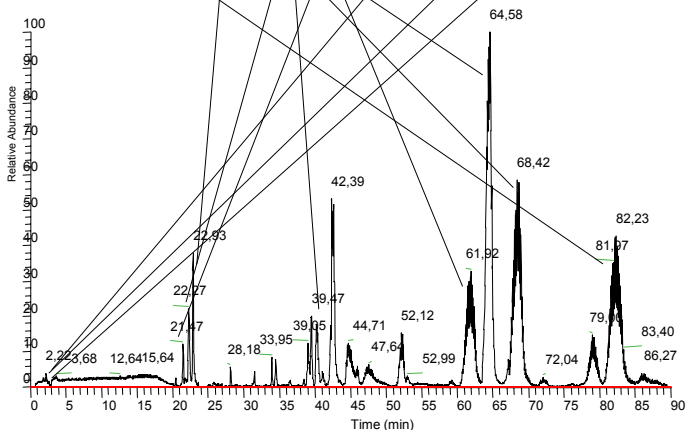
HILIC-ESI-MS with a PolyHYDROXYETHYL A capillary
3 μm , 100 \AA , 150x0.32 mm Gradient: Decreasing ACN
(Courtesy of V.V. Tolstikov, Max Planck Institute-Potsdam)

THE WORST-RETAINED SOLUTES IN REVERSED-PHASE ARE THE BEST-RETAINED IN HILIC!



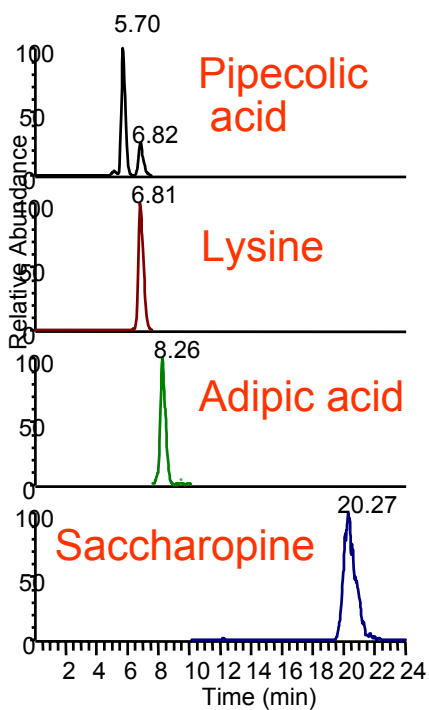
Sample: *Arabidopsis thaliana*
leaf extract

HILIC mode: Capillary of
PolyHYDROXYETHYL A



RPC mode: Capillary
of C-18 Hypersil

(Courtesy of V. V. Tolstikov, Max Planck Institute-Potsdam)



HILIC-MS/MS -

Isocratic analysis of individual
compounds from serum or
crude extracts in minutes!

Sample: Crude soybean extract on
PolyHYDROXYETHYL A column

(Courtesy of Robert Croes, DuPont Biotech)