

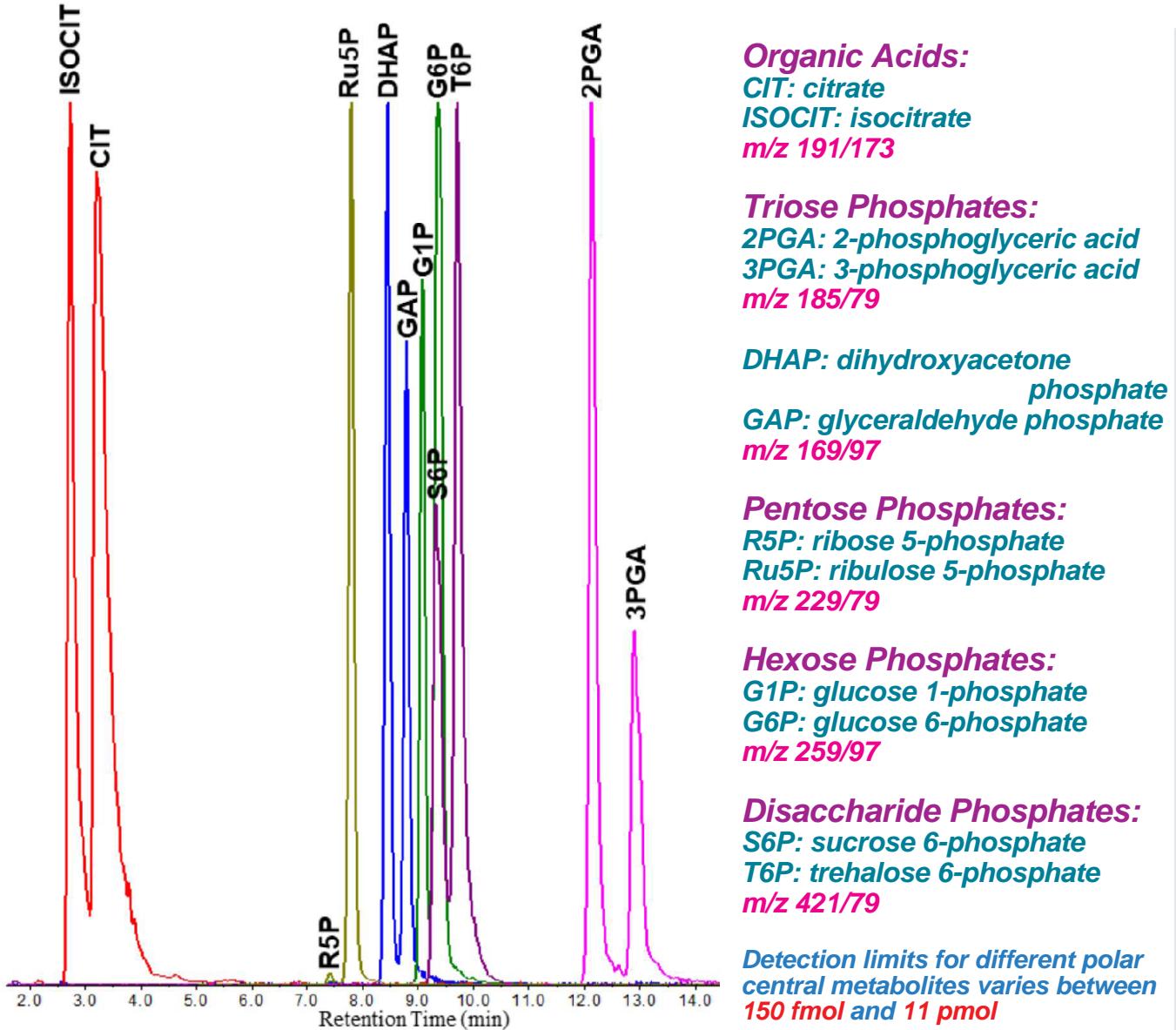
## Intrada Organic Acid

150 x 2 mm

### HPLC COLUMN APPLICATION

LC-MS/MS: Isomer separation of central metabolites using the multi-modal properties of a hybrid column

糖リン酸異性体の LC-MS 分析



*Intrada Organic Acid, 150 x 2 mm*

A: 1% formic acid in 75% acetonitrile

B: 100mM ammonium formate in 10% acetonitrile

0.225mL/min: 0%B(0-1min), 0-12%B(1-5min), 12-16%B(5-7min), 12-16%B(7-8min), 16%B(8-10min), 14-25%B(10-13min), 25-100%B(13-15min)

0.25mL/min: 100%B(15-19.5min), 100-0%B(19.5-20min), 0%B(20-25min)

40°C, 3-5µL injection, MS/MS (ESI, M-H Negative, Q1/Q3)

Reference: "An efficient LC-MS method for isomer separation and detection of sugars, phosphorylated sugars, and organic acids" Koley et al., Journal of experimental botany, 73(9), 2938-2952, 2022

Courtesy of Dr. Somnath Koley, Donald Danforth Plant Science Center, USA