

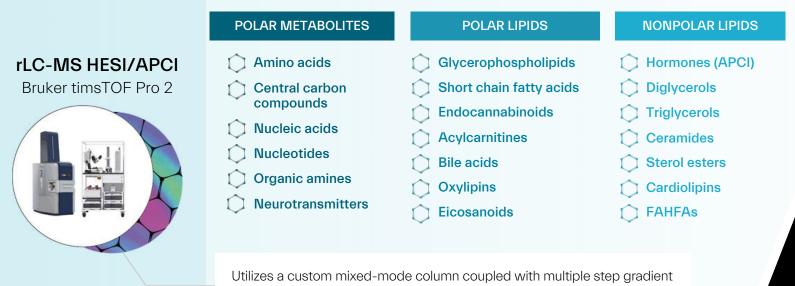
# **BROADER** chemical discovery for a new **DEPTH** of insight into human biology and drug response

There are tens of thousands of unknown molecules circulating in human blood - thousands of which could represent robust biomarkers.

Sapient's next-generation rapid liquid chromatographymass spectrometry (rLC-MS) systems and follow-on technology pipeline enable rapid, comprehensive profiling of both known and unknown small molecule chemistries.

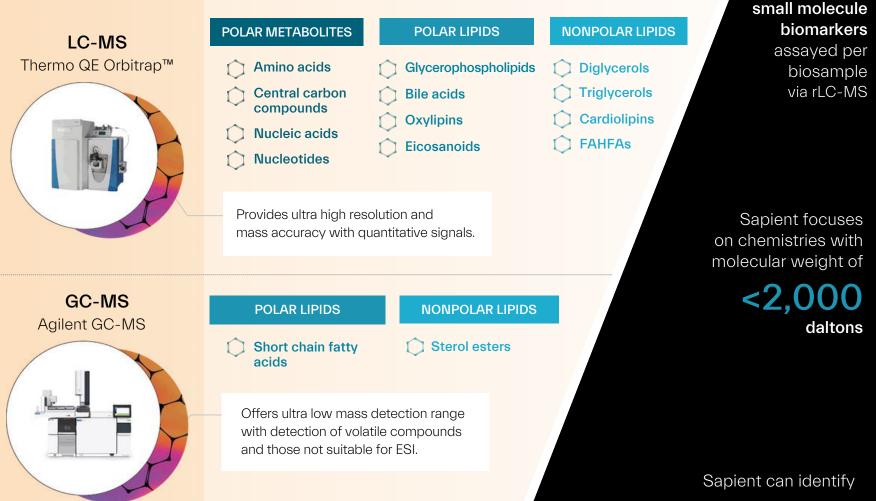
CHEMICAL BREADTH Examples of chemistries captured, not an exhaustive list

#### NONTARGETED, HIGH-THROUGHPUT SCREENING



elutions to capture broad chemistries in <1 minute analytical cycle time.

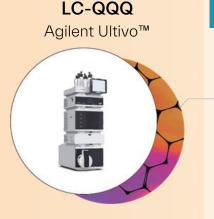
#### CONFIRMATION OF KEY SIGNALS VIA TARGETED METHODS



# 700+

15K+

known molecules from initial rLC-MS analysis using our metabolite standards library



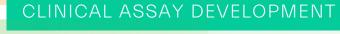
#### **POLAR LIPIDS**

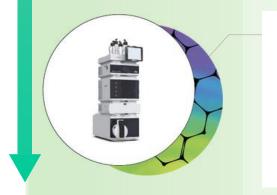
#### Endocannabinoids

**Enables MRM quantitation** with high sensitivity and very wide linear range.

### Sapient can perform structural elucidation

of key unknown molecules, including isolation and synthesis.



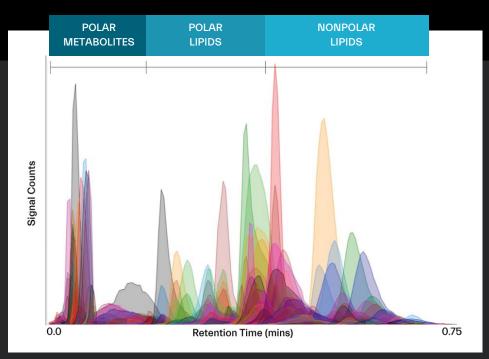


LC-QQQ also provides absolute quantitation to translate specific metabolites into clinical assays for use in GLP or CLIA settings.

#### EXAMPLE OF rLC-MS DATA OUTPUT

## Explore biomarkers more broadly and translate discoveries most efficiently

With high-powered methods to identify and translate novel small molecule biomarkers at speed, scale, and with high specificity, Sapient is the single partner you can rely on for your complete biomarker development workflow - from discovery to diagnostic.



Visit: sapient.bio | Email: discover@sapient.bio | Call: 858.633.3497