TraceIQ

Peak review was eating your analysts' time. TraceIQ makes it consistent.

You told us you can't scale manual peak integration, so we are offering you the booster. We know biopharma can't accept a black box, so we gave you the dials to tune it.

Speed up
The same judgment calls, made over and over by every analyst on every run

Enable consistency
Avoid manual and subjective review by different analysts

Stay in control
Biopharma workflows cannot allow fully automated processing with no review step

Provide traceability
Every adjustment has to be visible and justifiable as GxP requirements tighten

TraceIQ learns how your team reviews, then does the first pass for you

An AI/ML tool for Byosphere. TraceIQ trains a model on your own curated separation data, applies it to new traces, and hands every proposal back to a scientist for the final call — nothing publishes without sign-off.

Trained on your data, not a generic model

TraceIQ builds a model from your own curated chromatography and separation data, so it reflects the right methodology for that assay

Faster, more consistent review

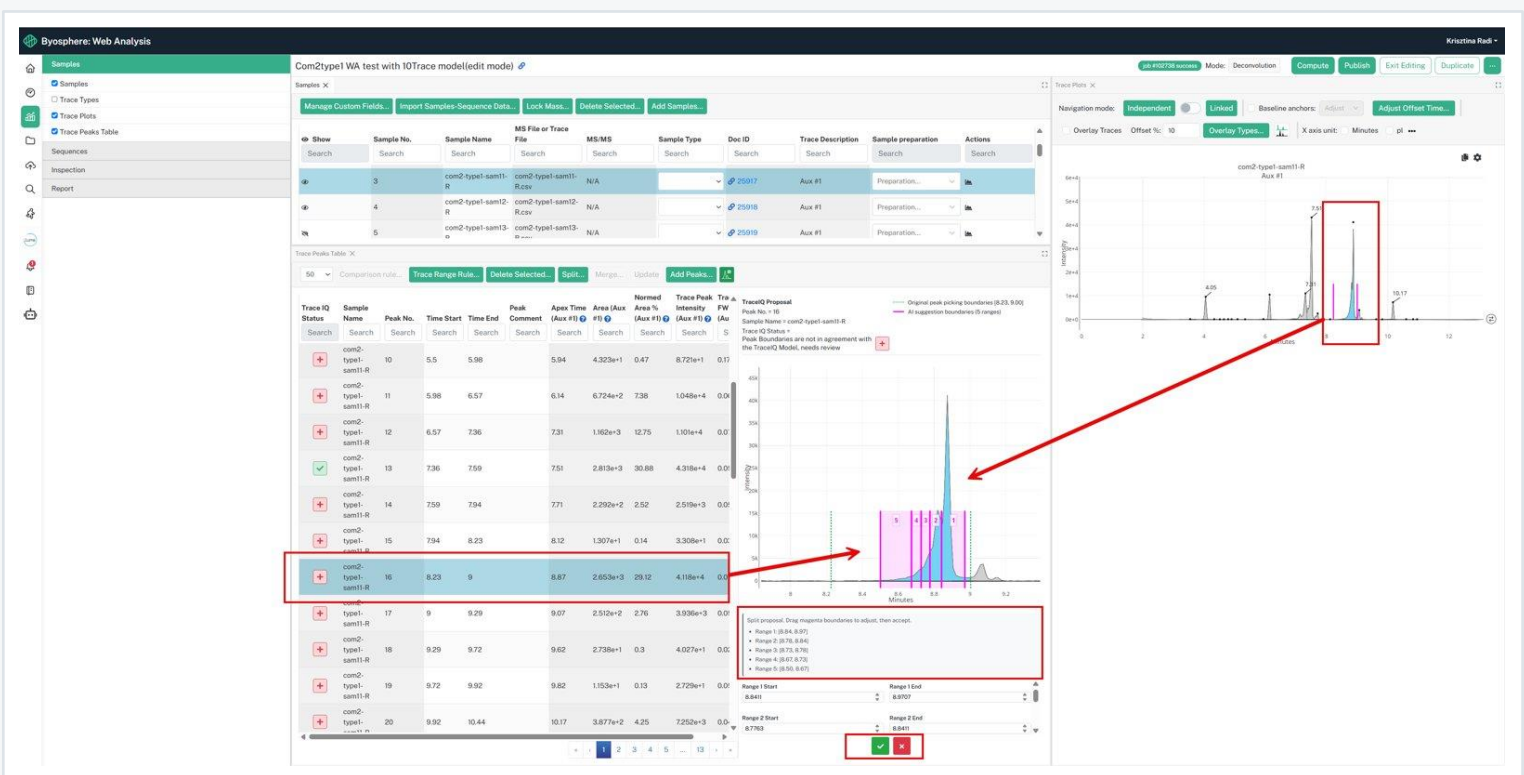
Speeds up correct peak integration and cuts down analyst-to-analyst inconsistency across runs and teams

The scientist always has final say

Every AI-proposed peak is reviewed, then explicitly accepted or rejected before publishing — human-in-the-loop by design

Already available where you work

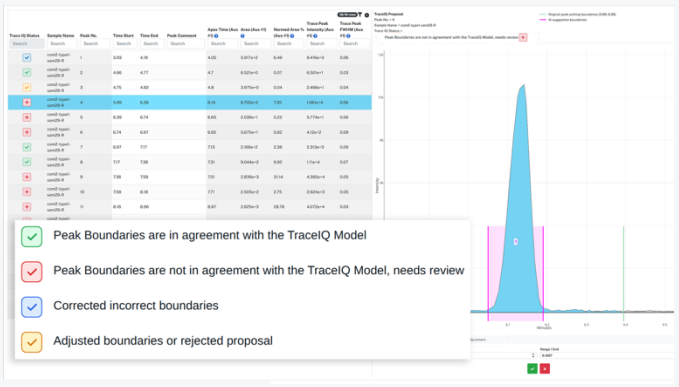
Available directly inside Byosphere — no new system to stand up, no data to move elsewhere. You own your models



Review, in context - TraceIQ overlays its suggested boundaries directly on the trace next to your original integration, with peak proposal ready to accept or adjust where appropriate.

Status at a glance. Every peak is classified the moment TraceIQ finishes - flags the need for review. Analysts know exactly where to focus their attention. TraceIQ logs if you agreed and adjusted

Seamless work – half the review time!



Consistent peak review, without giving up the final say.

TraceIQ · Byosphere

Part of the Cogito AI/ML suite