

Fusion QbD®

UV & MS Spectra Based
Peak Tracking

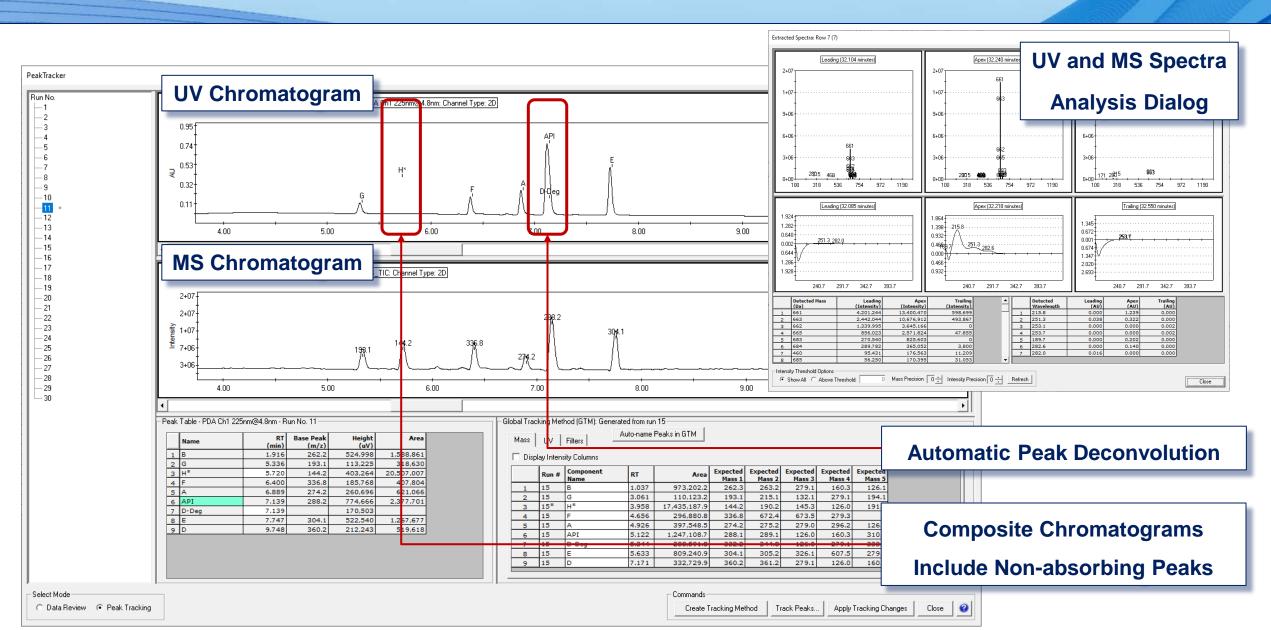
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PeakTracker™ – UV & MS Spectra-based Tracking





PeakTracker - Row 15 Elution Order

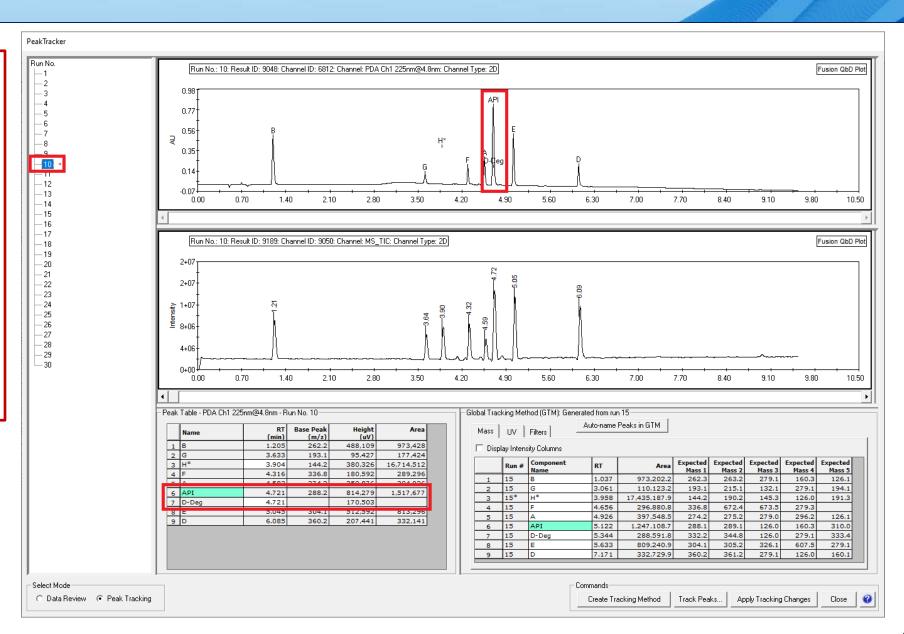
Run 15 - Global Tracking Method		
	Component Name	Expected Mass 1
1	В	262.2
2	G	193.1
9	H*	144.2
3	F	336.8
4	Α	274.1
5	API	288.1
6	D-Deg	332.1
7	E	304.1
8	D	360.2



Co-eluted Peak Deconvolution in Run 10

PeakTacker - Run 10:

- D-Deg is Missing in Data
 Chromatogram because it
 is Co-eluted with the API.
- PeakTracker Located the D-Deg peak under the API (Go to 2 Next Slides to See Why).

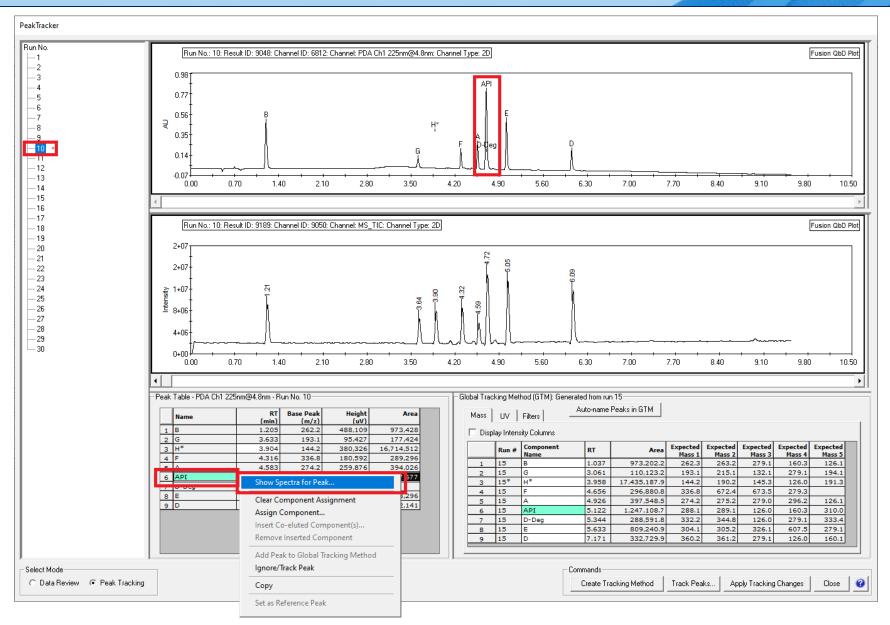




Access MS Spectra for the API Peak

PeakTacker - Run 10:

- Select the API peak in the Peak Table.
- Right click to launch the popup menu.
- Select the "Show Spectra for Peak" option.

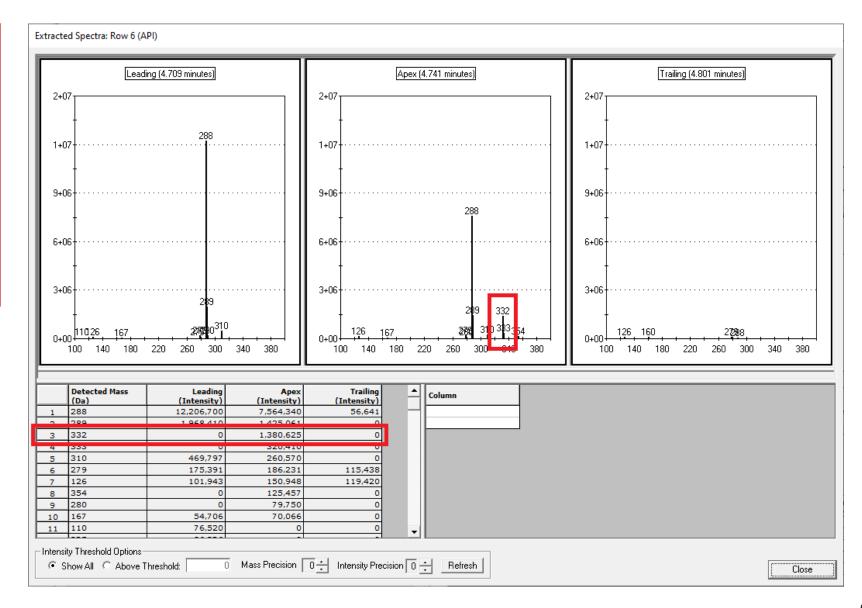




Examine MS Spectra for the API Peak

MS Spectra Analysis – API peak – Run 10:

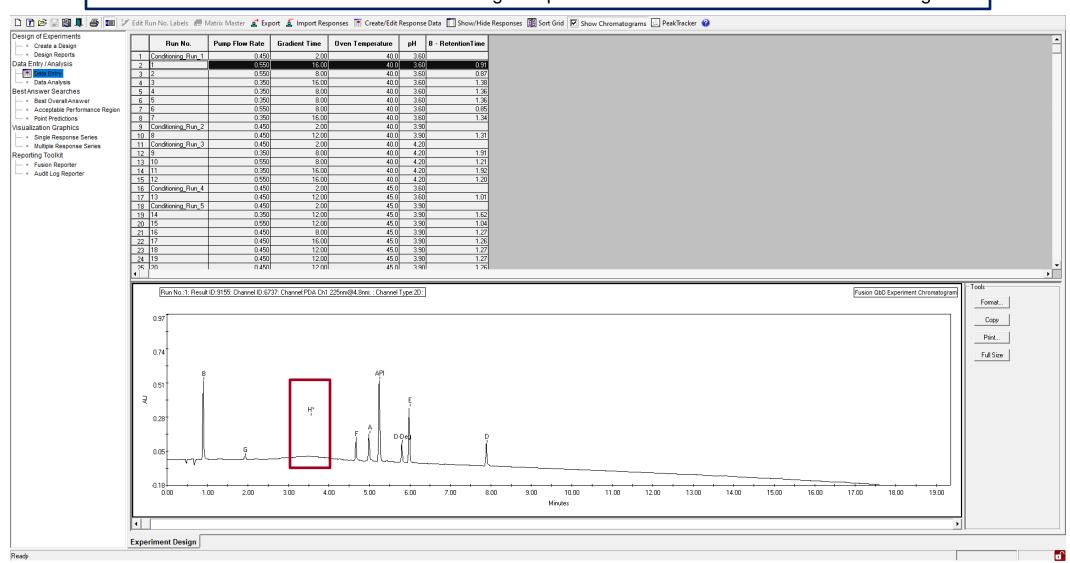
 See the base peak value for the D-Deg peak (332) within the Apex spectra for the API.





Evaluate Data Completeness

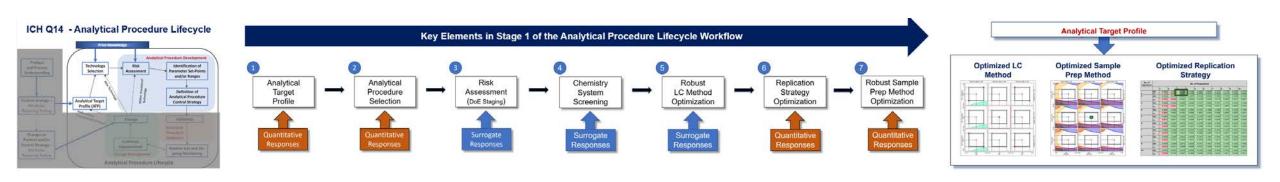
Peaks are Identified and Tracked. Non-absorbing Compound H* is now Present in the UV Chromatograms.





End of Presentation

Fusion QbD is the Only LC Method Development Software Which Completely Supports the AQbD / APLM Workflow in the Regulatory Guidances



ICH Q2(R2) / ICH Q14 / USP <1210> / USP <1220> / EP 11.60

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