

# Investigation of PFAS Background in PP ITSP Cartridges

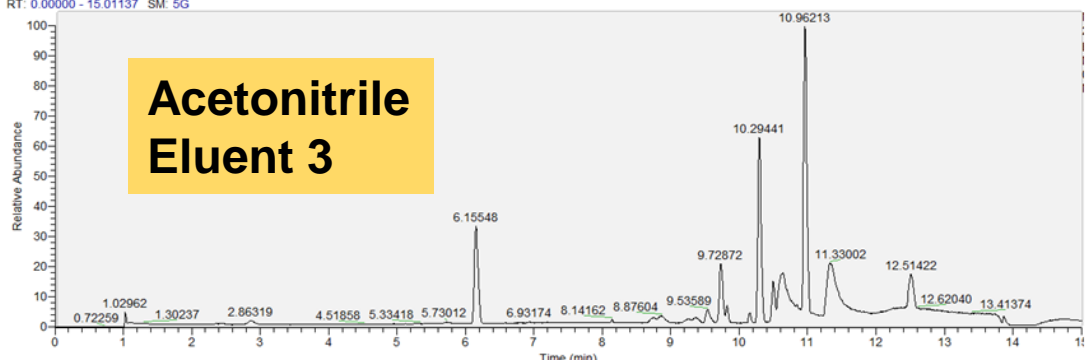
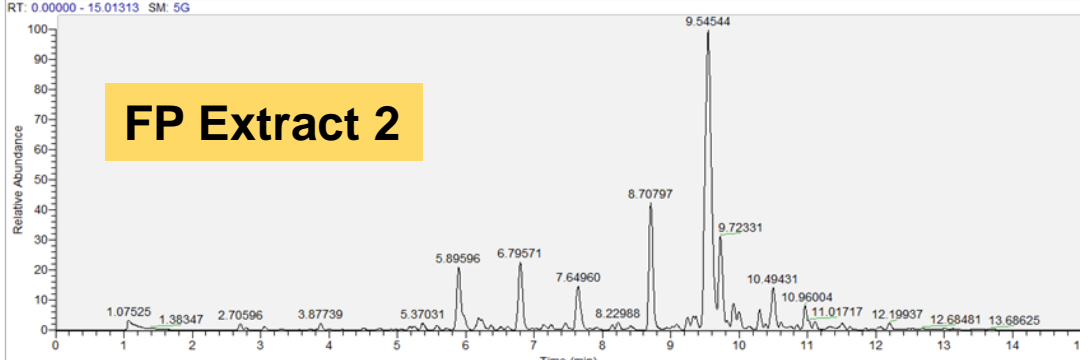
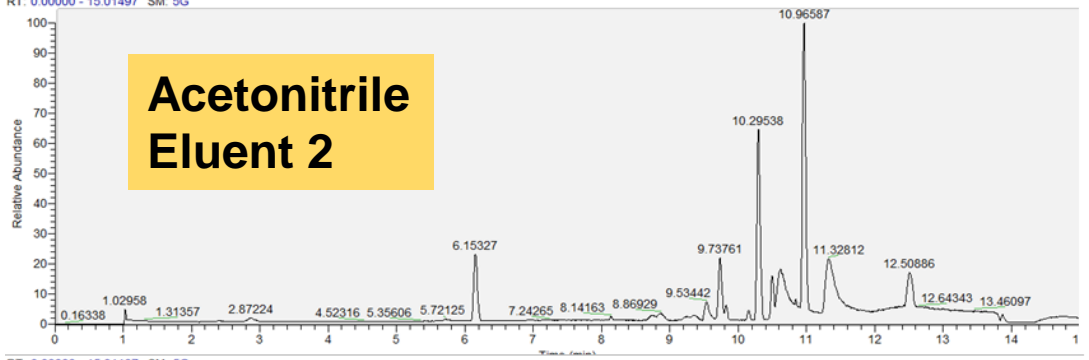
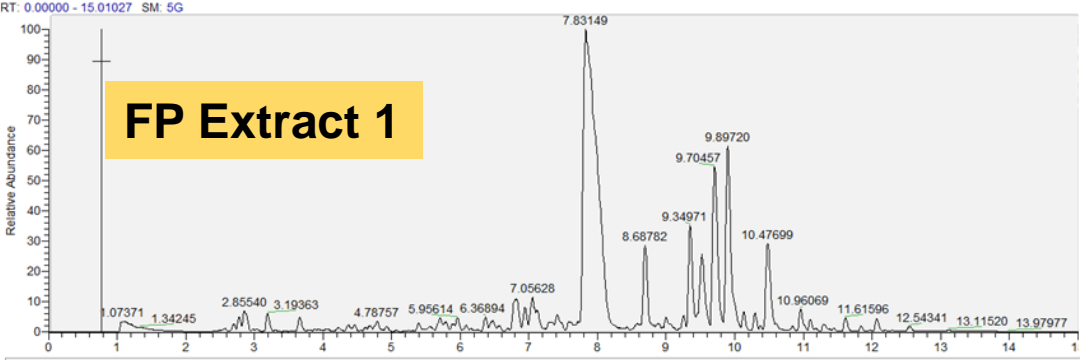
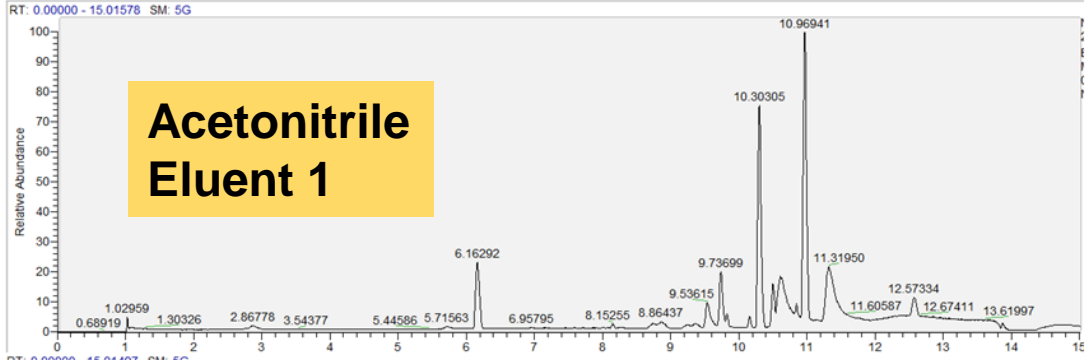
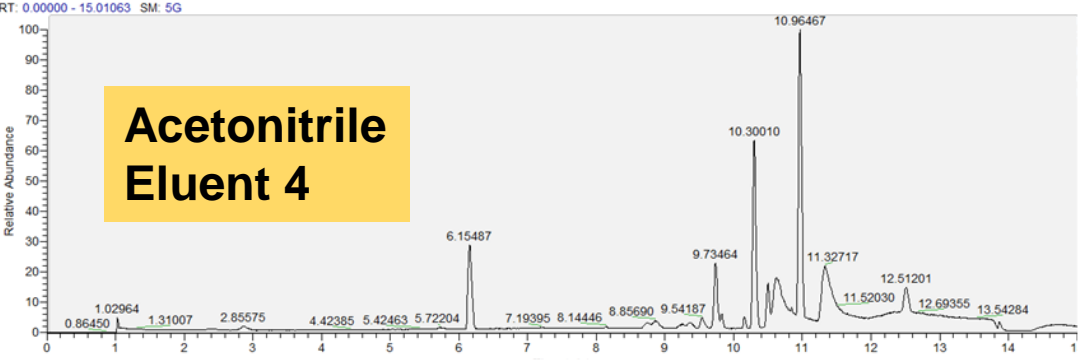
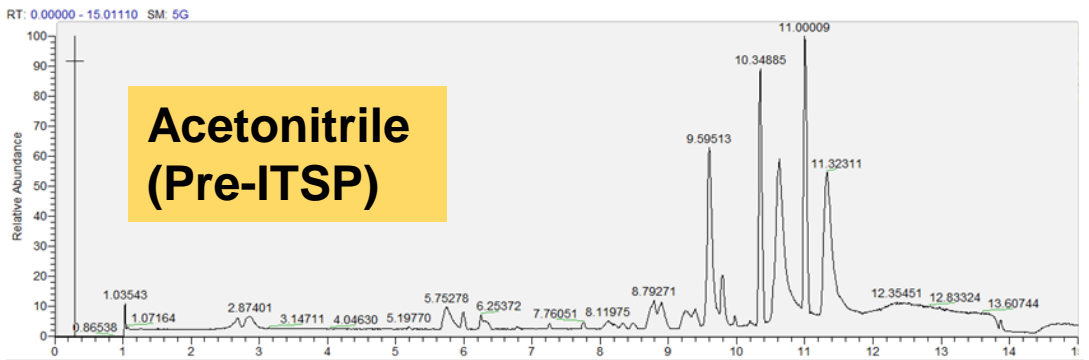
## Acetonitrile Background

- Filled 4 PP Vials with Acetonitrile (Optima LC-MS grade)
- Performed GC Cleanup method (300uL at 2uL/s) and collected eluent in PP vials with starburst cap

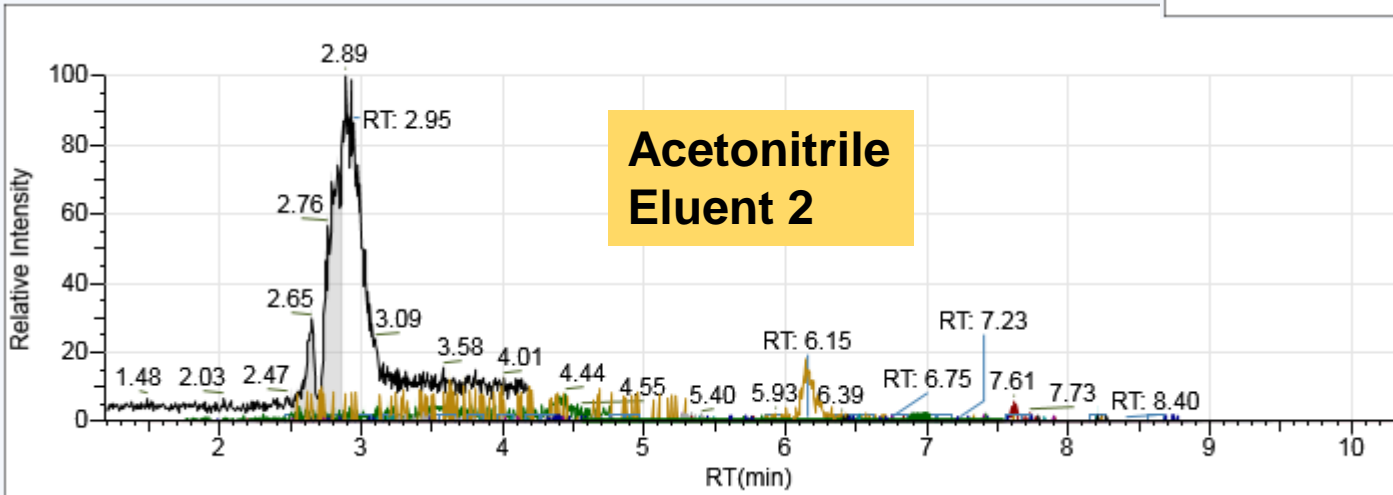
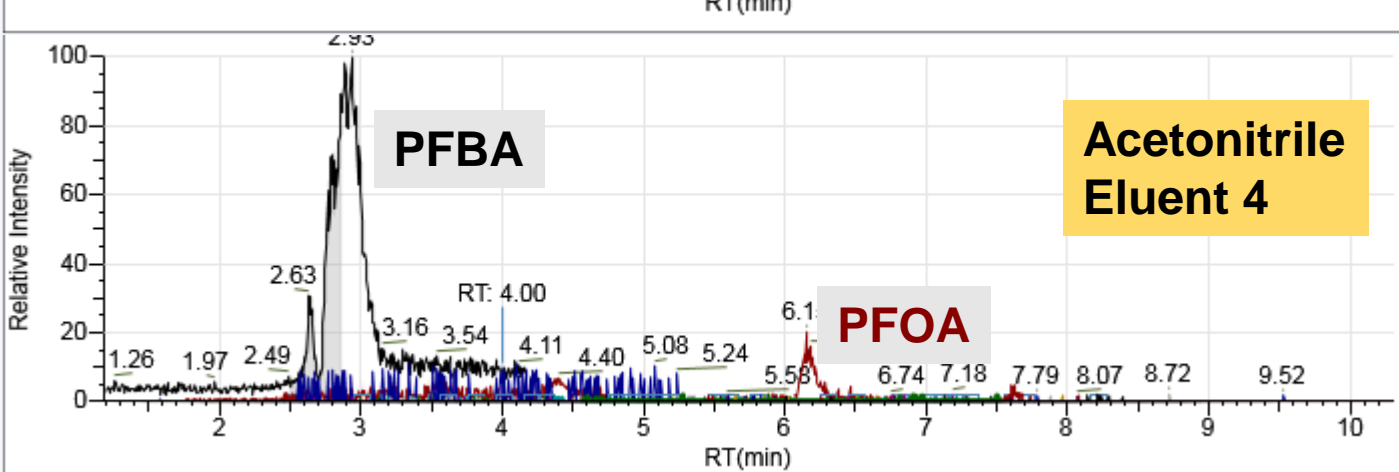
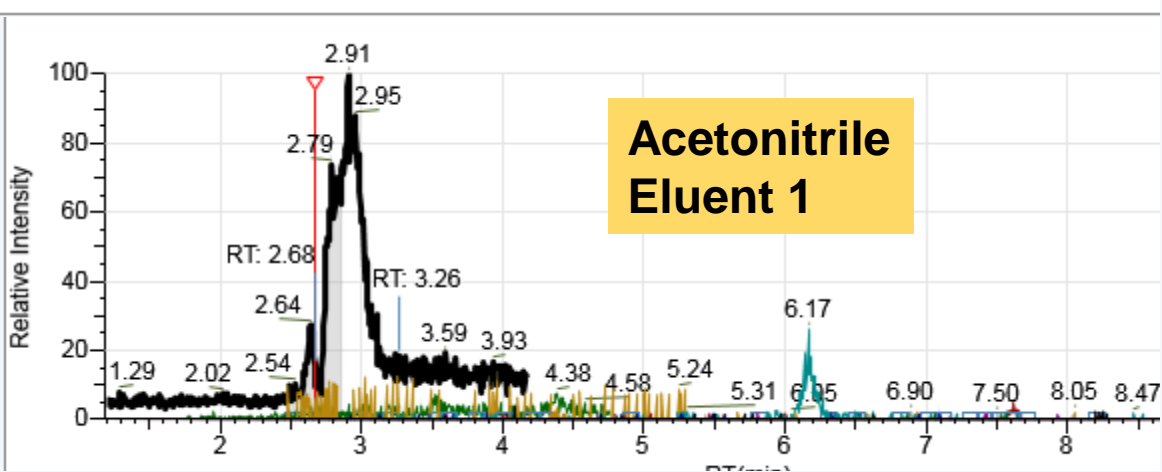
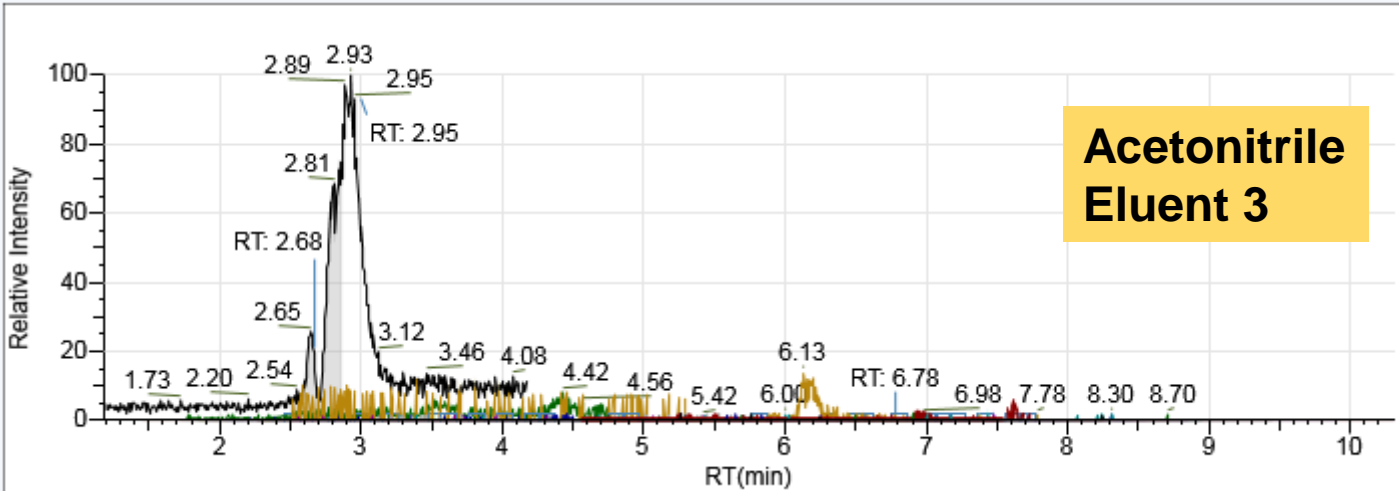
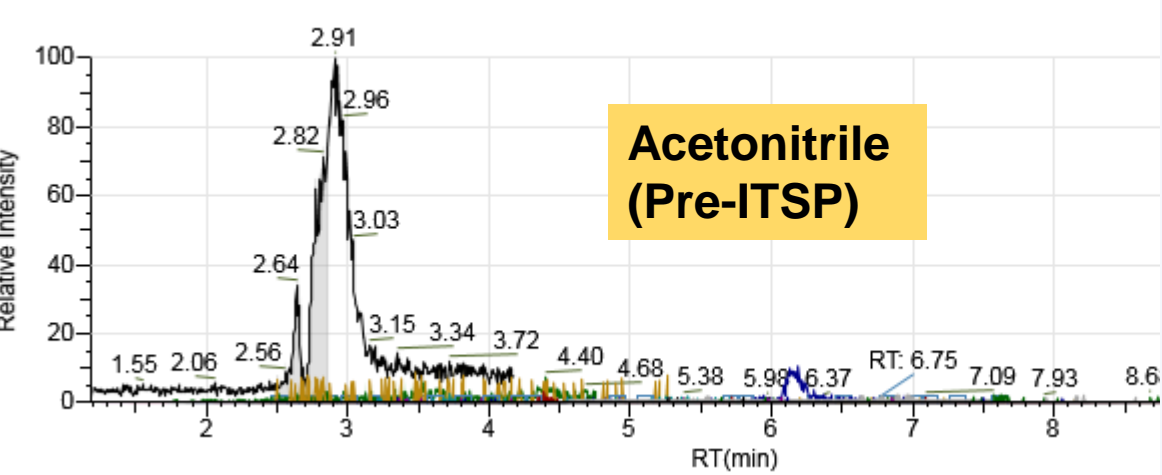
## PFAS Cleanup

- Two food packaging extracts passed through cartridges

## Seven Eluents Total Collected for HRMS Analysis



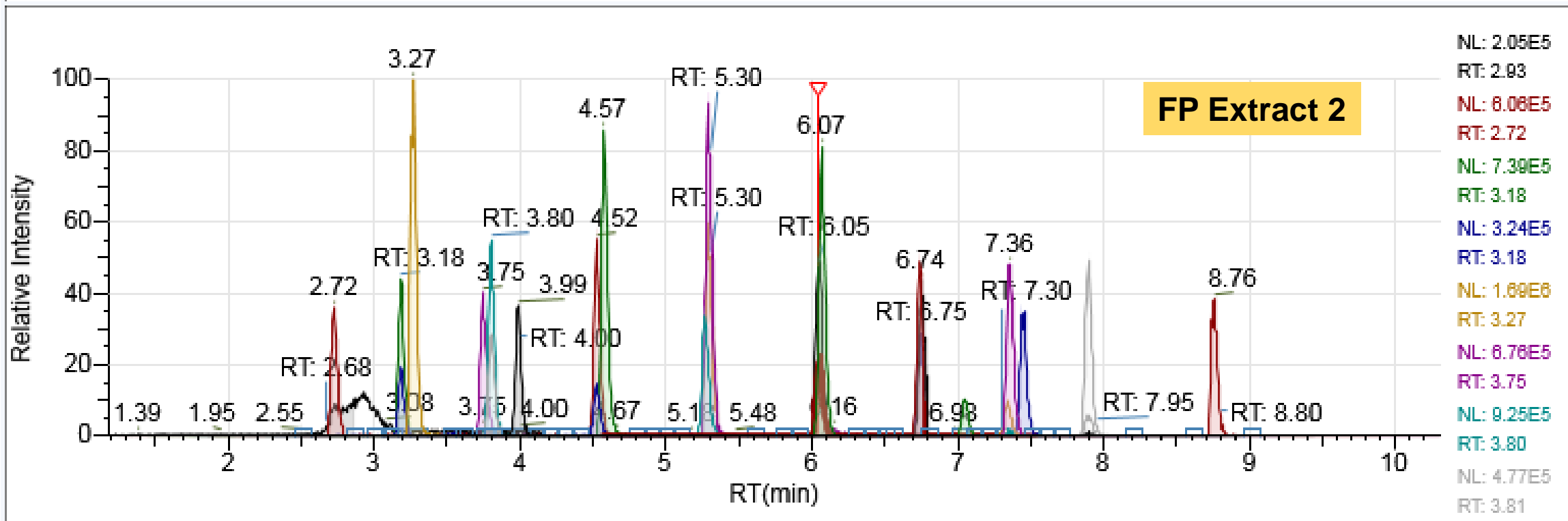
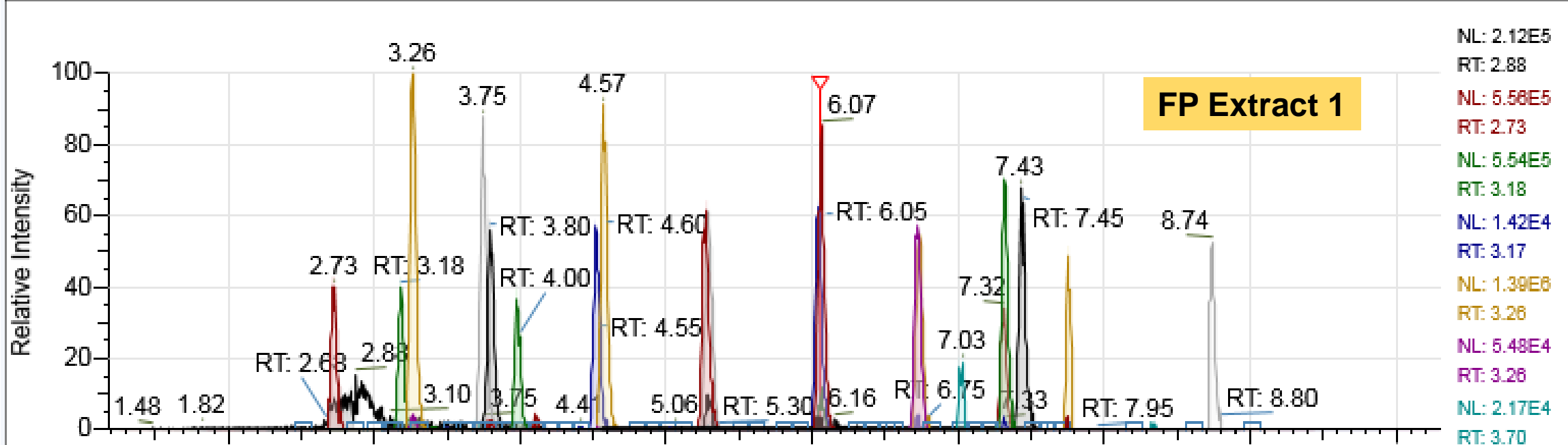
# Base Peak Chromatograms



Extracted Ion Chromatograms of 34 targeted PFAS

No additional contamination observed by ITSP

*\*PFBA and PFOA from instrument*



	FP Extract 1		FP Extract 2	
	dSPE Cleanup	Post-ITSP	dSPE Cleanup	Post-ITSP
PFPeA			0.17	0.17
PFHxA			0.21	0.21
PFHpA			0.10	0.09
PFOA	0.03	0.04	0.65	0.67
PFNA	0.01	0.01	0.18	0.18
PFDA	0.02	0.02	0.25	0.27
PFUdA	0.02	0.01	0.01	0.01
PFOS	0.06	0.05	0.01	0.01

\*ng/mL in extract

# Peak Area Change Pre and Post ITSP

