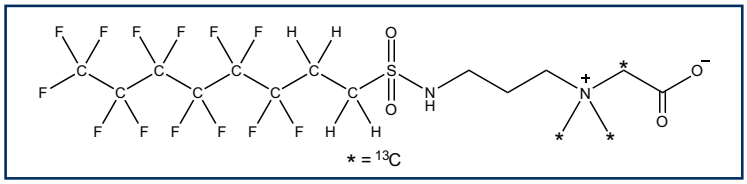
WELLINGTON Reporter
PRODUCT UPDATES FROM WELLINGTON LABORATORIES
September 26, 2024

NEW PRODUCTS

Zwitterionic/Cationic PFAS

Expanding research on PFAS measured at sites exposed to aqueous film-forming foams (AFFFs) has resulted in increased analysis of zwitterionic and cationic analytes. In 2022, the European Commission published Recommendation (EU) 2022/1431 listing Capstone A and Capstone B (commonly known as 6:2 FTNO and 6:2 FTAB, respectively) among those considered for monitoring. In response, **Wellington** has expanded our AFFF PFAS product line, which already contained **N-CMAmP-6:2FOSA** (Capstone B, 6:2 FTAB), to include **N-OxAmP-6:2FOSA** (Capstone A, 6:2 FTNO) and **N-AP-6:2FOSA** (6:2 FTAA, a known intermediate in the biotransformation of both Capstone A and B). Additional standards of emerging AFFF PFAS have also been prepared to support the analysis of these compounds in environmental samples (see table below). Due to the novel nature of these compounds, suggested MRM transitions (positive ESI) have been provided on the next page.

Furthermore, to increase the accuracy associated with the quantitation of these zwitterionic compounds, **Wellington** has prepared a certified mass-labelled reference standard for Capstone B (**M3N-CMAmP-6:2FOSA**).



M3N-CMAmP-6:2FOSA

The above structure is presented in the zwitterionic form; however, the compound's ionic state will be dependent on pH.

	Catalogue Number	Product (methanol)	Qty	Conc
NEW	**N-AP-FBSA**	N-[3-(Dimethylamino)propan-1-yl]perfluoro-1-butanesulfonamide	1.2 mL	50.0 µg/mL
NEW	**N-AP-FPeSA**	N-[3-(Dimethylamino)propan-1-yl]perfluoro-1-pentanesulfonamide	1.2 mL	50.0 µg/mL
	N-AP-FHxSA	N-[3-(Dimethylamino)propan-1-yl]perfluoro-1-hexanesulfonamide	1.2 mL	50.0 µg/mL
NEW	**N-AP-FOSA**	N-[3-(Dimethylamino)propan-1-yl]perfluoro-1-octanesulfonamide	1.2 mL	50.0 µg/mL
	N-TAmP-FHxSA	N-[3-(Trimethylammonio)propan-1-yl]perfluoro-1-hexanesulfonazanide	1.2 mL	50.0 µg/mL
NEW	**N-AP-6:2FOSA**	6:2 Fluorotelomer sulfonamide alkylamine (6:2 FTAA)	1.2 mL	50.0 µg/mL
NEW	**N-OxAmP-6:2FOSA**	6:2 Fluorotelomer sulfonamide amine oxide (6:2 FTNO)	1.2 mL	50.0 µg/mL
	N-CMAmP-6:2FOSA	6:2 Fluorotelomer sulfonamide alkylbetaine (6:2 FTAB)	1.2 mL	50.0 µg/mL
NEW	**M3N-CMAmP-6:2FOSA**	$^{13}C_3$-6:2 Fluorotelomer sulfonamide alkylbetaine ($^{13}C_3$-6:2 FTAB)	1.2 mL	50.0 µg/mL
	5:3FTB	5:3 Fluorotelomer betaine	1.2 mL	50.0 µg/mL
	5:1:2FTB	5:1:2 Fluorotelomer betaine	1.2 mL	50.0 µg/mL

Note. Where literature precedence exists, synonyms of chemical names have been provided to aid in recognition.

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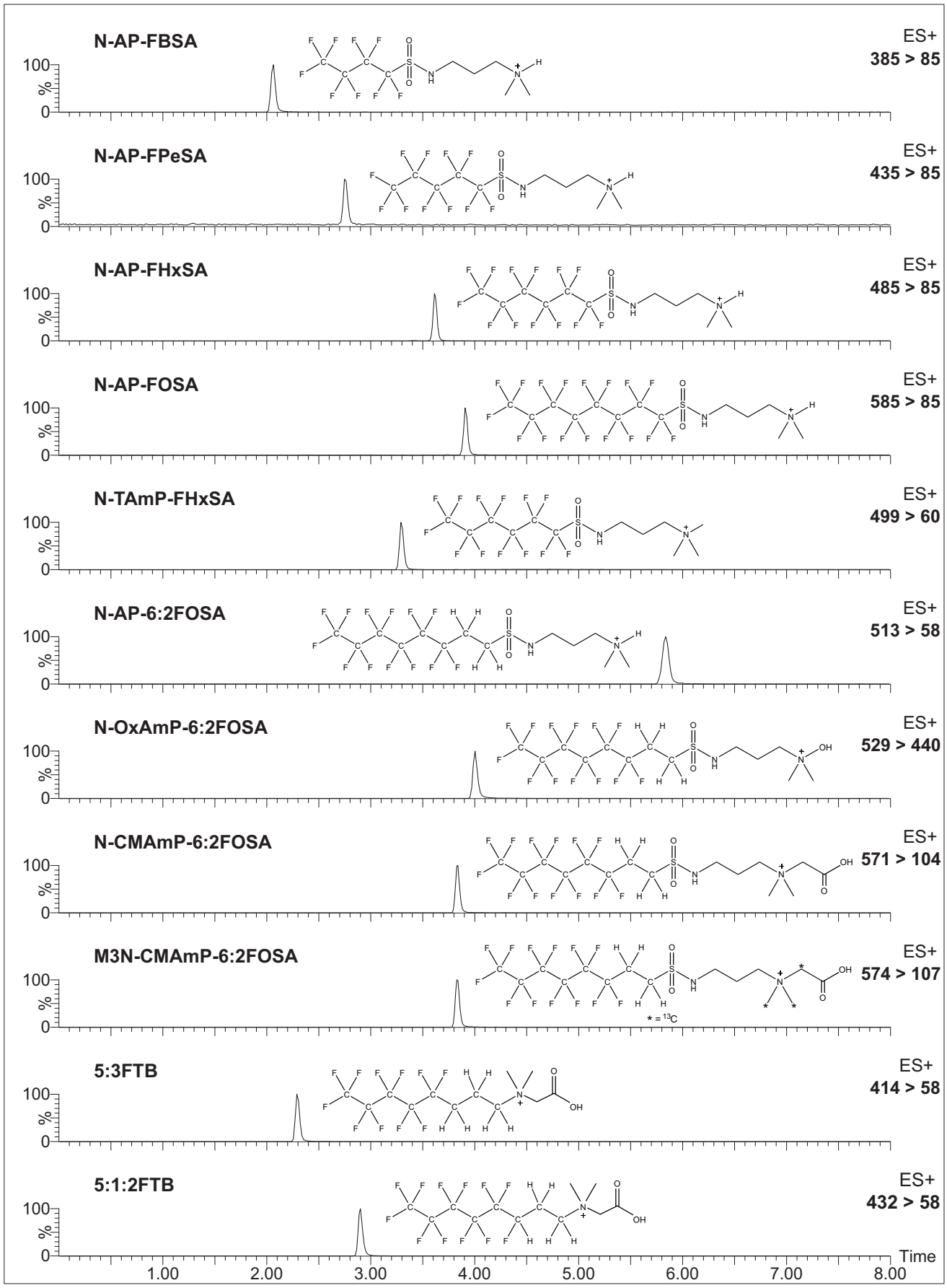

Structures are presented in their cationic form.