

Supplementary material for Lee YY, et al. Prenatal exposure to the contaminant perfluorooctane sulfonate elevates lipid peroxidation during mouse fetal development but not in the pregnant dam. Free Radical Research, 2015;49:1015–1025.

Supplementary Table I. MRM transitions (m/z) of PUFAs, cholesterol and their oxidized products with internal standards.

Analytes	MW	Q1	Q3	DP	CE
AA (peroxide free)	304.5	303	259	– 50	– 25
AA-d ₈	312.5	311	267	– 50	– 25
EPA	302.5	301	257	– 50	– 25
EPA-d ₅	307.5	306	262	– 50	– 25
DHA	328.5	327	229	– 50	– 25
DHA-d ₅	333.5	332	288	– 50	– 25
Cholesterol	386.654	369.3	161	80	55
Cholesterol-d ₇	393.697	376.3	161	80	55
5(S)-HETE	320.5	319	115	– 50	– 25
5(S)-HETE-d ₈	328.5	327	116	– 50	– 25
8(S)-HETE [#]	320.5	319	163	– 50	– 25
9(S) HETE [#]	320.5	319	123	– 50	– 25
11(S)-HETE [#]	320.5	319	167	– 50	– 25
12(S)-HETE	320.5	319	179	– 50	– 25
12(S)-HETE-d ₈	328.5	327	308	– 50	– 25
15(S)-HETE	320.5	319	175	– 50	– 25
15(S)-HETE-d ₈	328.5	327	226	– 50	– 25
20 HETE [#]	320.5	319	301	– 60	– 38
20 HETE-d ₆	326.5	325	281	– 60	– 92
5-F _{2t} -IsoP	354.5	353	115	– 50	– 25
5-F _{2t} -IsoP-d ₄	358.5	357	115	– 50	– 25
15-F _{2t} -IsoP	354.5	353	193	– 50	– 25
15-F _{2t} -IsoP-d ₄	358.5	357	197	– 50	– 25
8-F _{3t} -IsoP ^{@^}	352.5	351	127	– 55	– 35
4(RS)-4-F _{4t} -NeuroP [^]	378.5	377	101	– 60	– 30
4(RS)-4-F _{4t} -NeuroP-d ₄ [^]	382.5	381	101	– 60	– 30
17(RS)-F _{2t} -dihomo-IsoP ^{@^}	382.5	381	337	– 65	– 22
17(RS)-SC-Δ ¹⁵ -11-dihomo-IsoF [^]	398.5	397	155	– 70	– 30
IsoF [@]	370.5	369	193	– 45	– 20
NeuroF ^{\$}	394.5	393	193	– 55	– 30

MW, molecular weight; DP, declustering potential; CE, collision energy.

[#]5(S)-HETE-d₈ as internal standard.

[@]15-F_{2t}-Isoprostane-d₄ as internal standard for peak relation.

^{\$}DHA-d₅ as internal standard for peak relation.

[^]Standards not commercially available and provided by IBMM (Montpellier, France).