

Supplemental Table 1: The precursor and product ions for each analyte.

Transitions with a * were used for quantitation, a † indicates an internal standard transition.

Analyte	Precursor Ion (m/z)	Product Ion (m/z)
Fentanyl	337.3	188.3*
		216.2
	342.1	188.2†
Sufentanil	387.4	238.3*
		111.2
	392.1	111.0†
Carfentanil	395.4	335.2*
		246.0
	400.3	340.3†
Alfentanil	417.2	165.1*
		197.1
	423.0	268.0†
Lofentanil	409.3	134.2*
		200.2
α -methyl fentanil	351.3	105.1*
		202.1
β -methyl fentanil	351.3	119.1*

Supplemental Figure 1: SPE-MS/MS extracted ion chromatogram of fentanyl analogs eluted from 5 μ L dried blood spots at 1.0 ng/mL. (A) Fentanyl, (B) Carfentanil, (C) Lofentanil, (D) Alfentanil, (E) 3-methyl fentanyl, (F) α -methyl fentanyl

