

Supplementary Table S2A: Monitored MRM transitions in positive mode.

Compounds	Molecular ion [M+H] ⁺ (m/z)	Fragment (m/z)	DP (volts)	CE (volts)	CXP (volts)
2AG	379.2	287.1 (quantifier)	70	19	14
		91 (qualifier)	70	67	10
AEA	348.2	287.1 (quantifier)	60	13	16
		62 (qualifier)	60	13	8
PEA	300.3	283.2 (quantifier)	150	19	24
		62 (qualifier)	150	17	8
OEA	326.3	61.9 (quantifier)	146	21	24
		309.1 (qualifier)	146	21	42
OIAla	354.4	90 (quantifier)	60	17	10
		265.2 (quantifier)	60	17	14
d ₄ -PEA	304.2	286.9 (quantifier)	60	21	24
		62 (qualifier)	60	19	28

Supplementary Table S2B: Monitored MRM transitions in negative mode.

Compounds	Molecular ion [M-H] ⁻ (m/z)	Fragment (m/z)	DP (volts)	CE (volts)	CXP (volts)
OIGly	338.3	74 (quantifier)	-50	-24	-11
		294.2 (qualifier)	-50	-26	-15