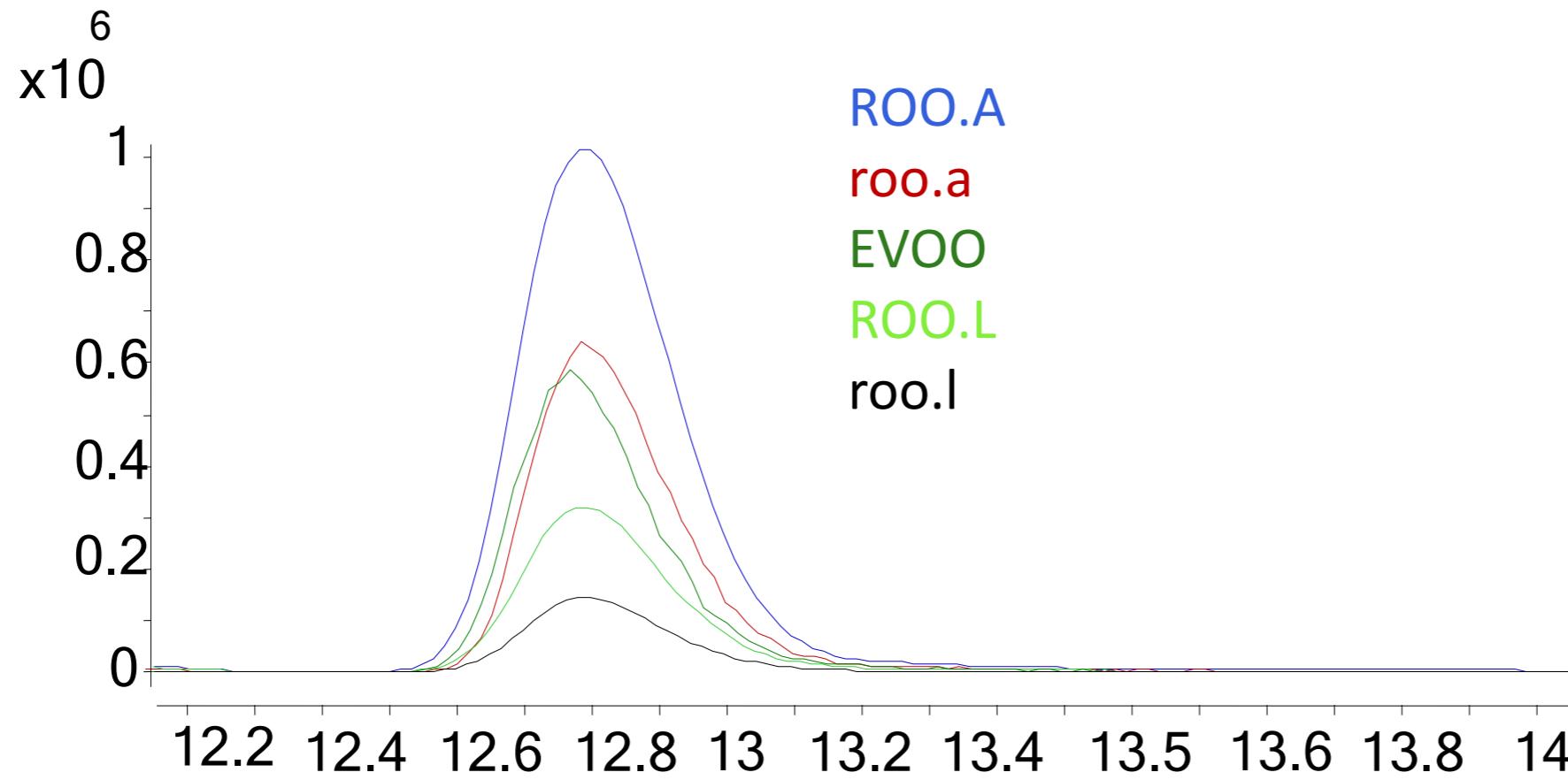


Supplementary Figure 1.A

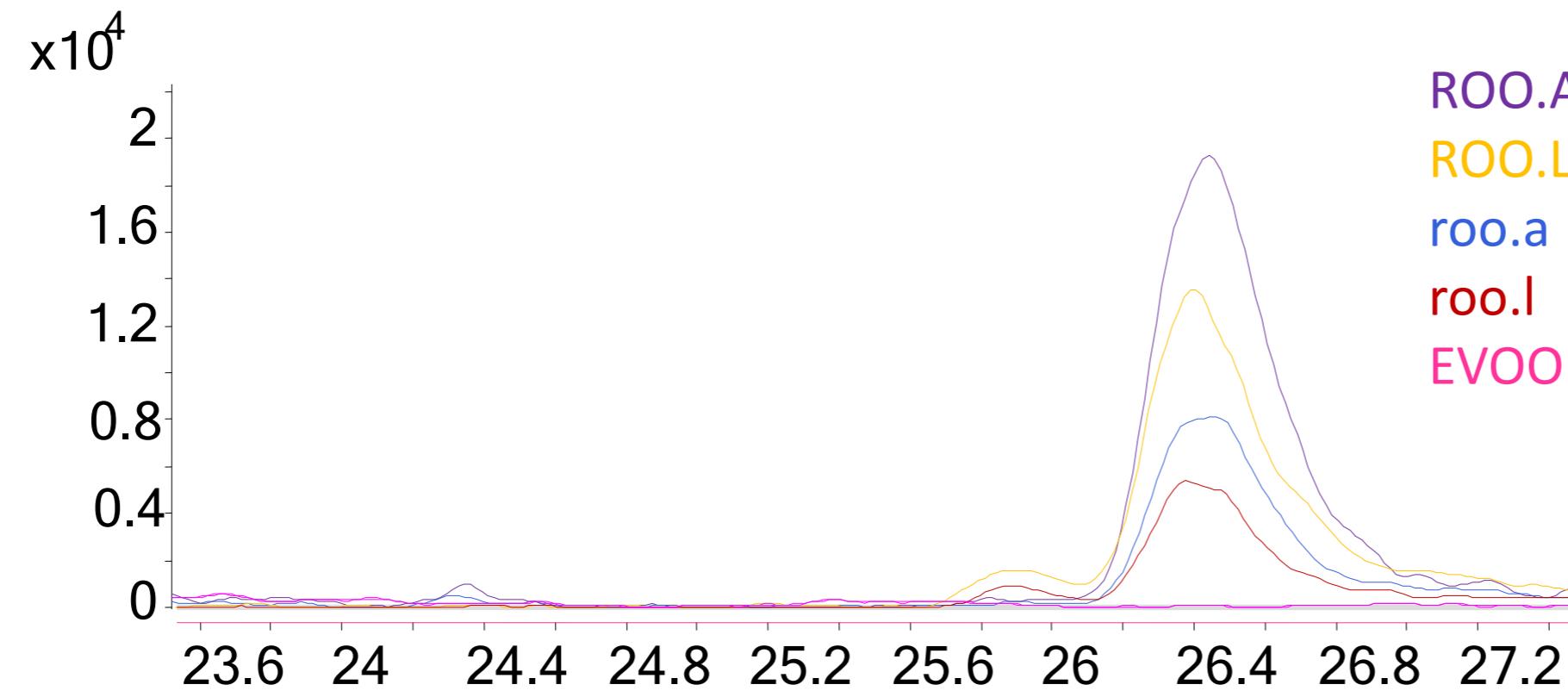
## Hydroxytyrosol\_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC (153.0616) Scan Frag=175.0V

Supplementary Figure 1.B

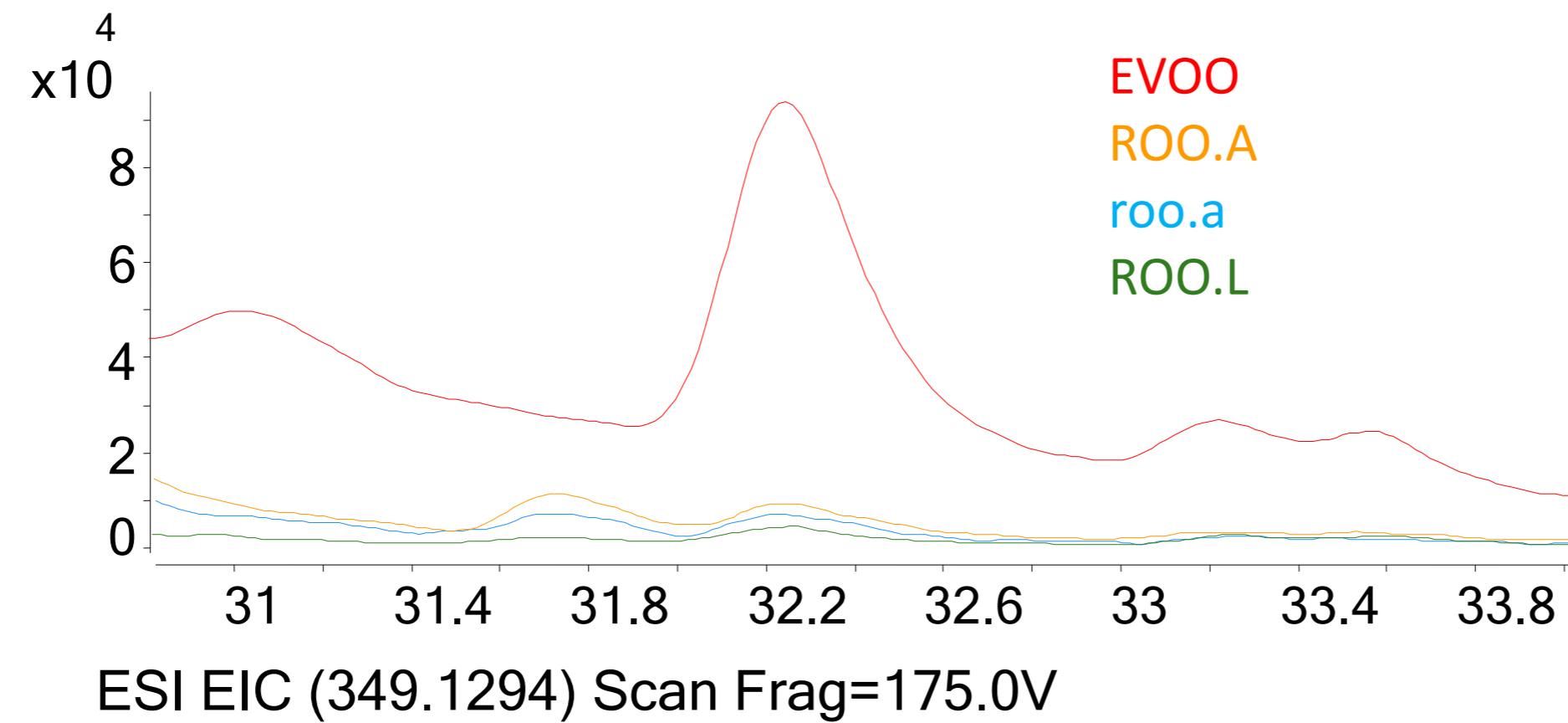
3, 4-DHEPA-EDA\_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC(365.1246) Scan Frag=175.0V

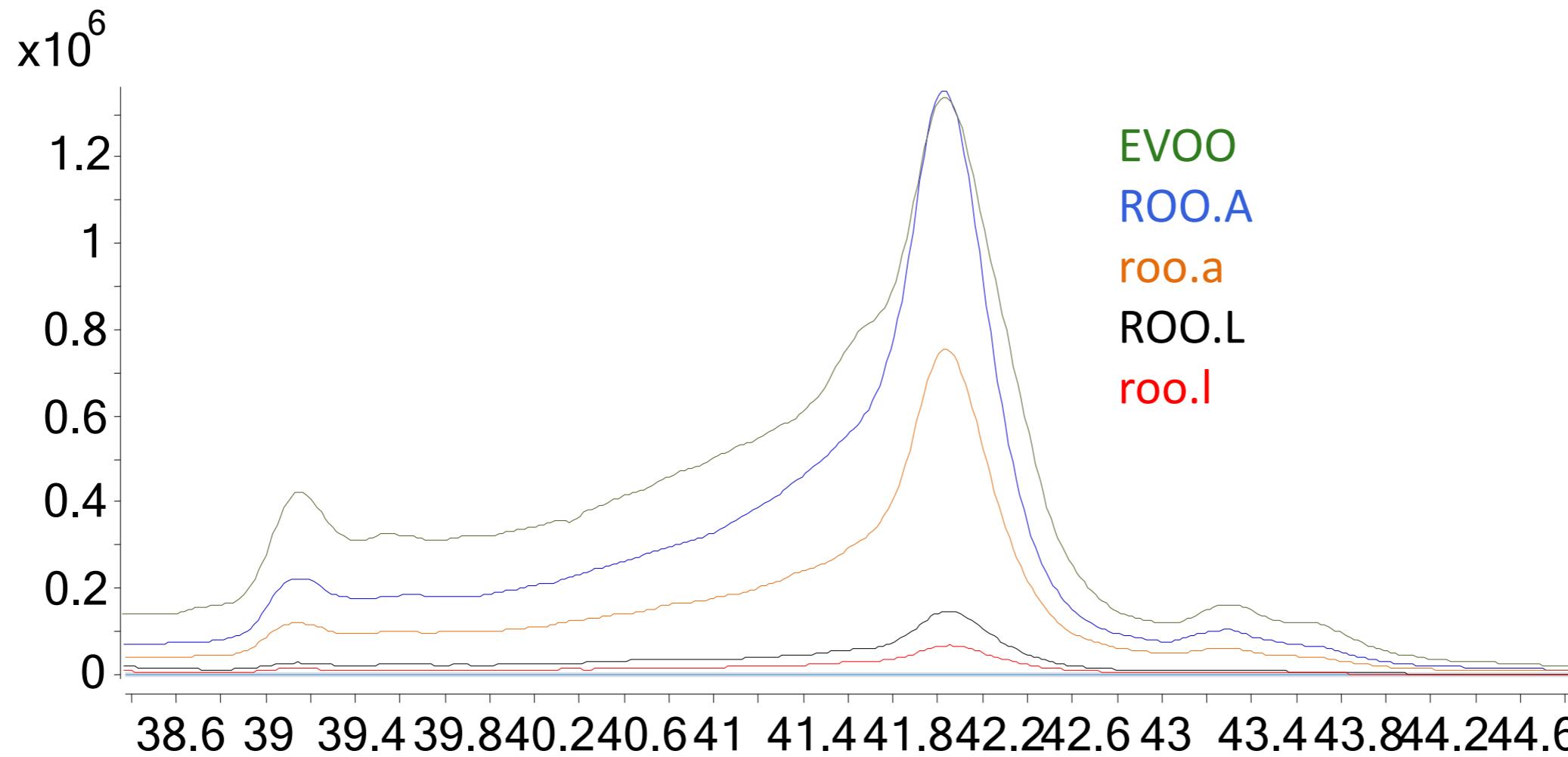
Supplementary Figure 1.C

## *p*-HPEA-EDA\_ROO\_EIC\_Counts vs. Acquisition time (min)



Supplementary Figure 1.D

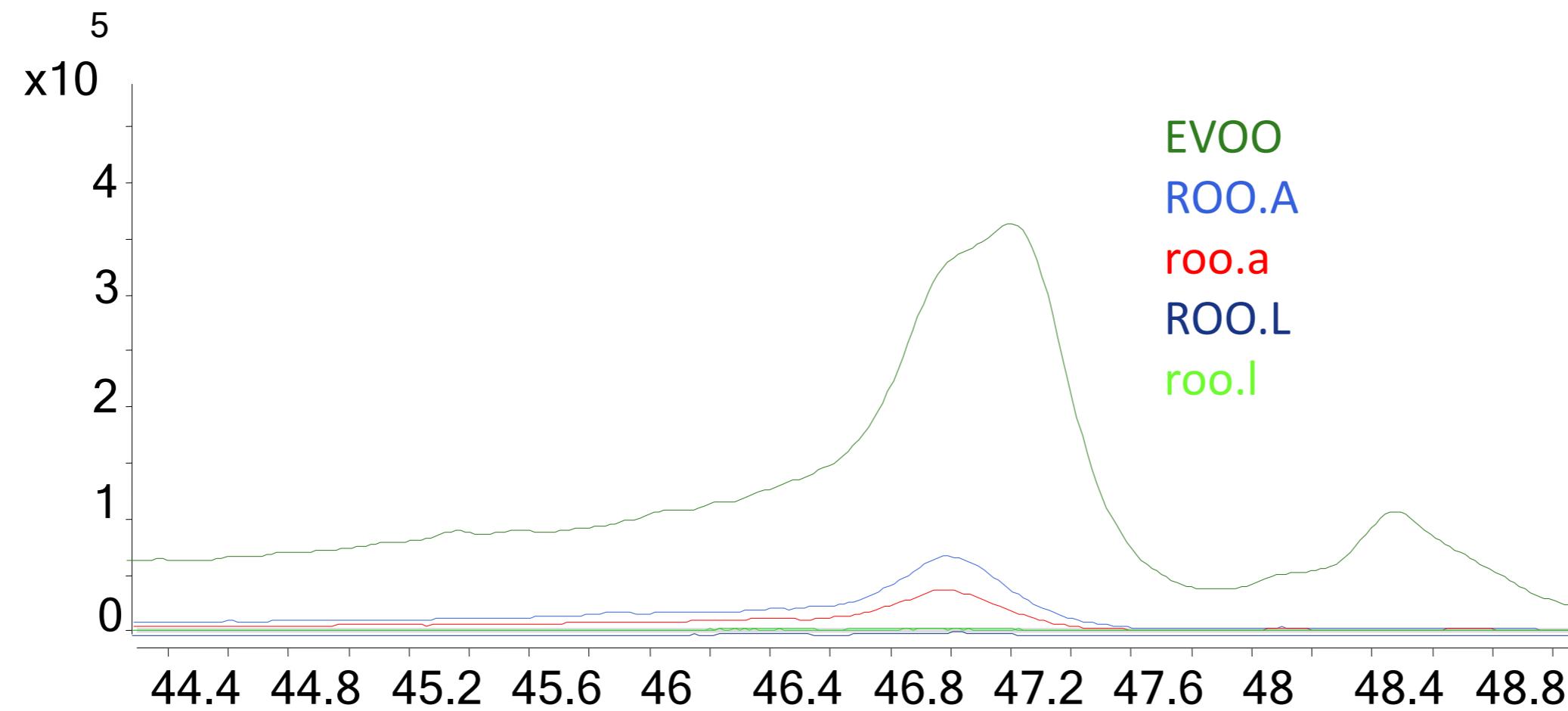
# 3, 4-DHEPA-EA \_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC (377.1802) Scan Frag=175.0V

Supplementary Figure 1.E

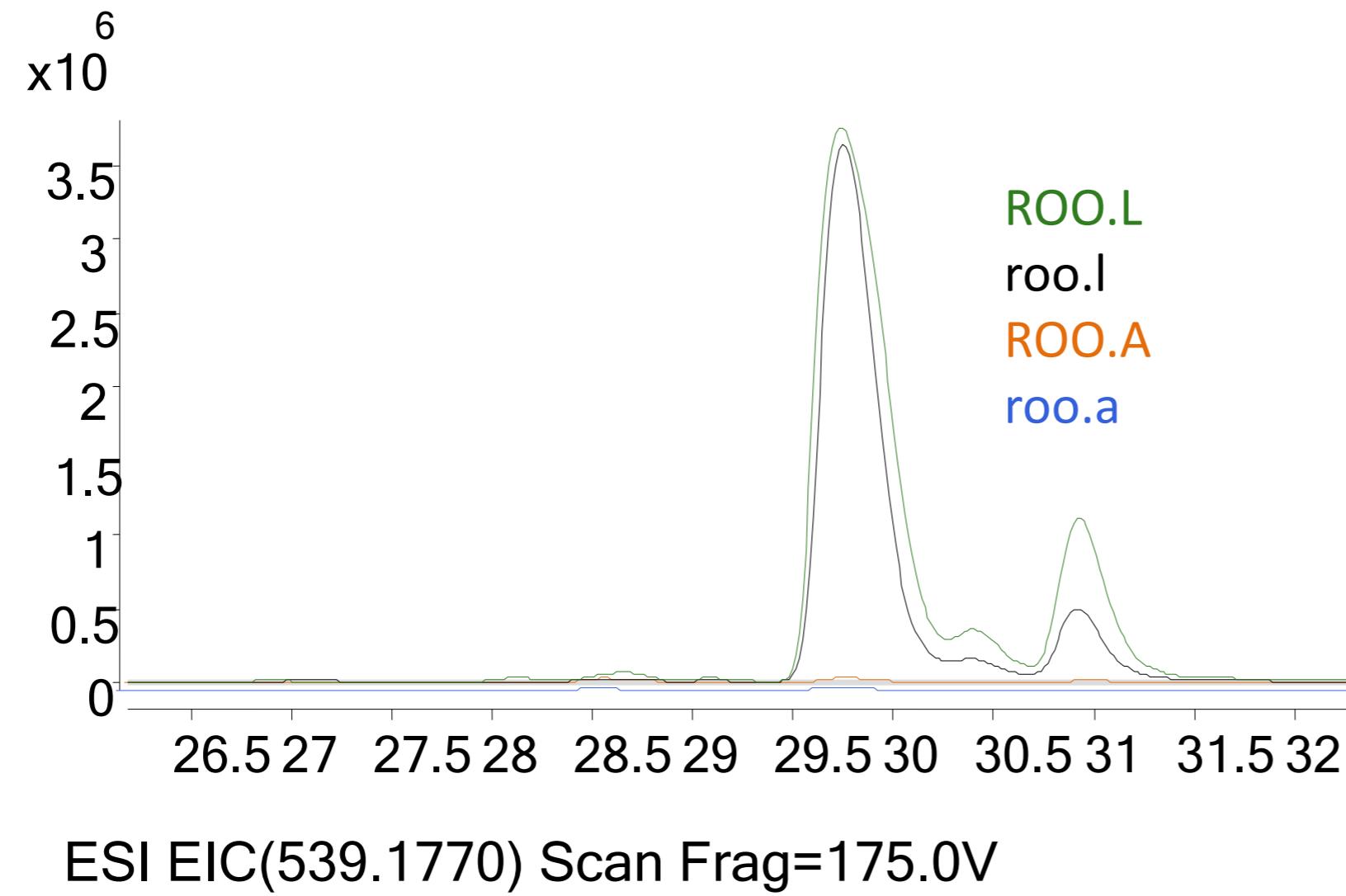
## *p*-HPEA-EA \_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC(361.1400) Scan Frag=175.0V

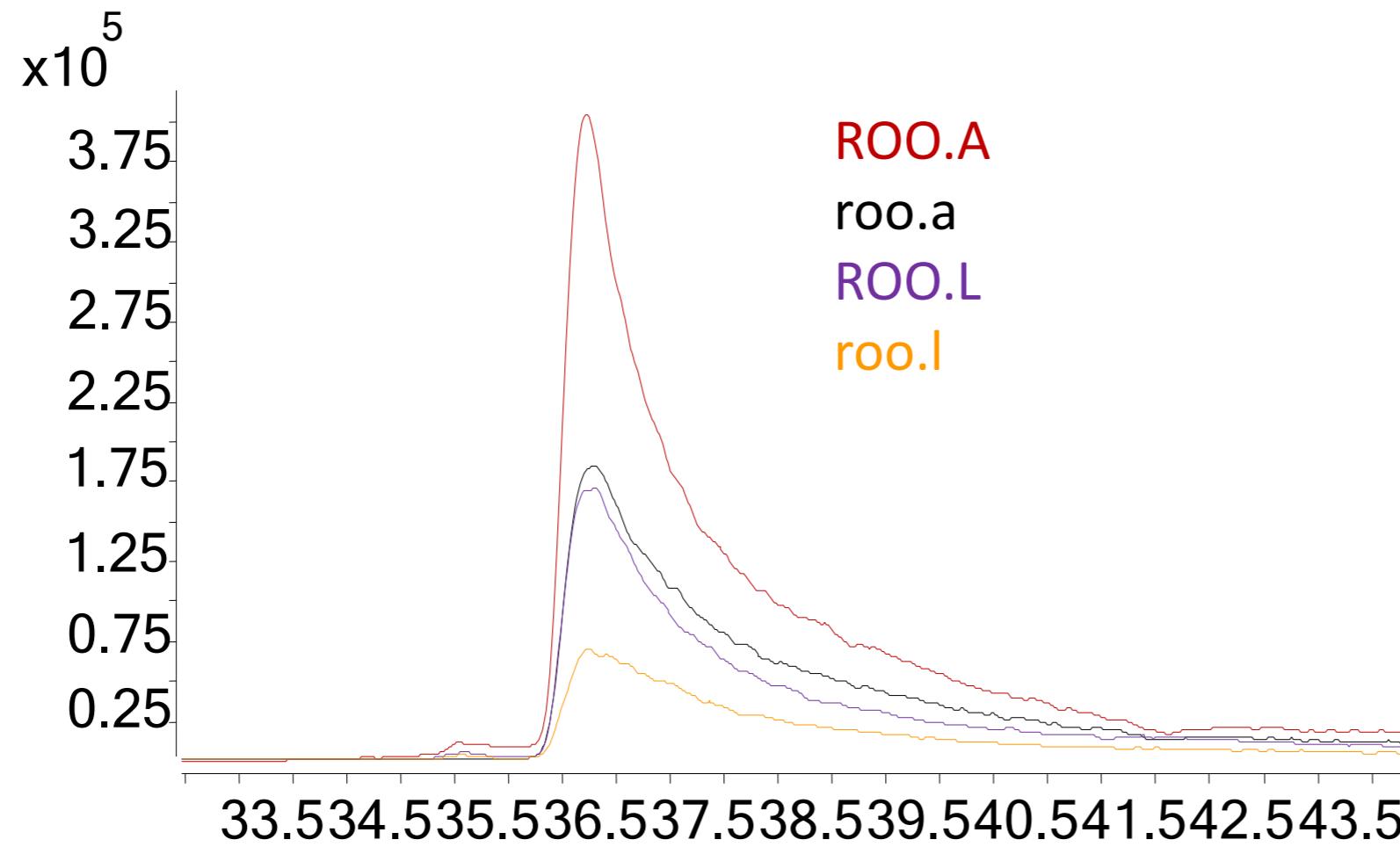
Supplementary Figure 1.F

## Oleuropein\_ROO\_EIC\_Counts vs. Acquisition time (min)



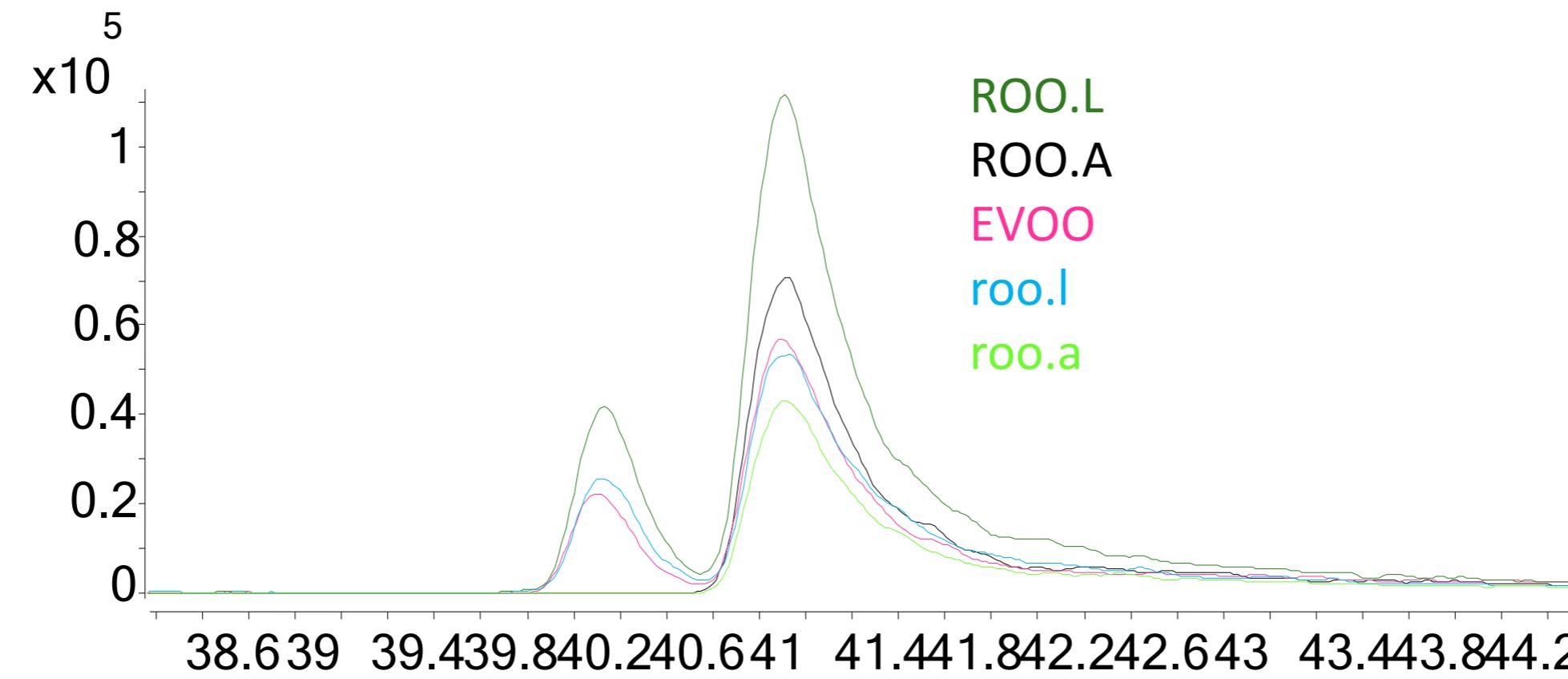
Supplementary Figure 1.G

## Luteolin\_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC (285.0499.) Scan Frag=175.0V

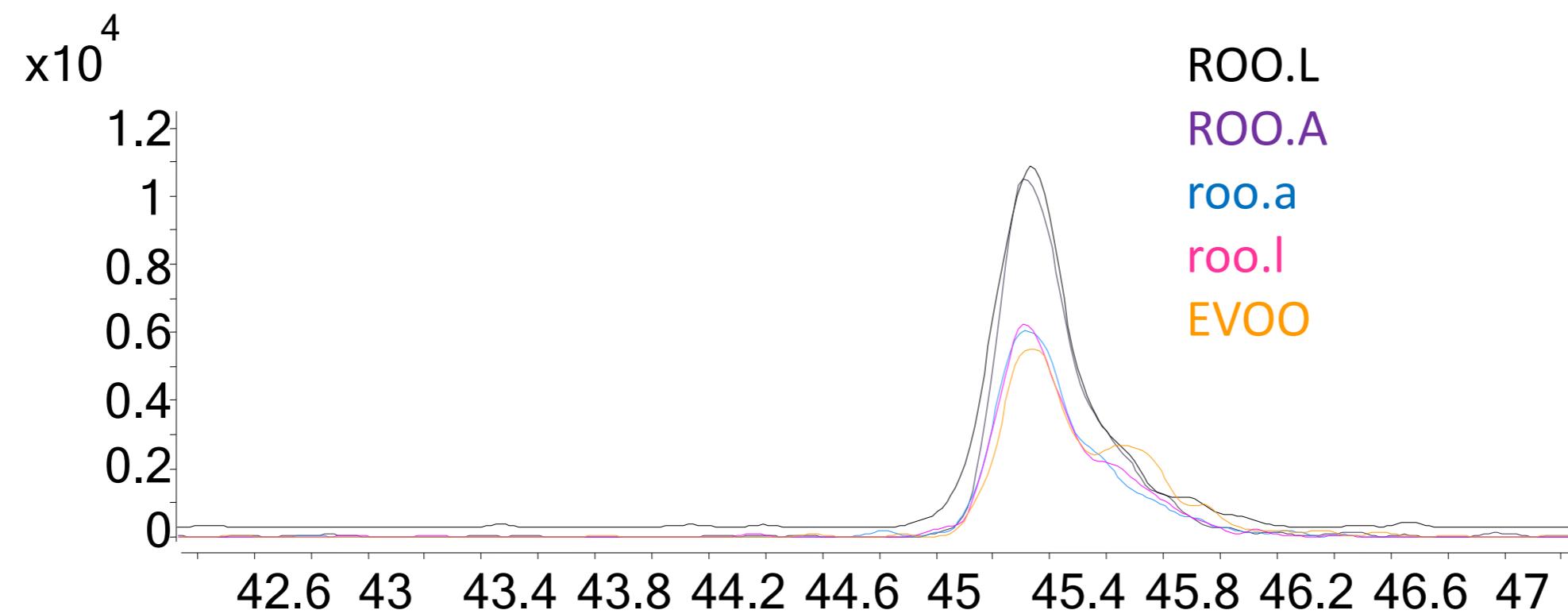
## Apigenin\_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC (269.0632) Scan Frag=175.0V

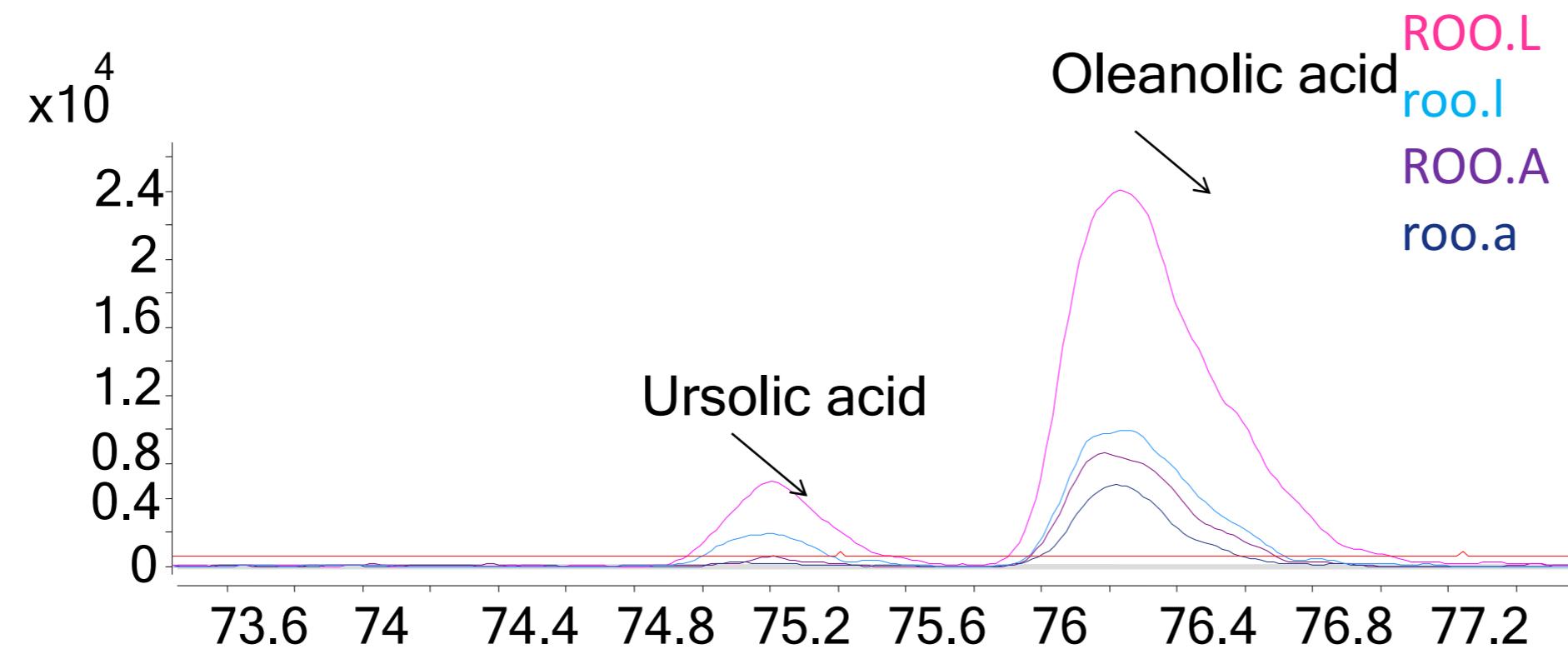
Supplementary Figure 1.I

1-Hydroxypinoresinol\_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC(373.1293) Scan Frag=175.0V

## Oleanolic acid\_Ursolic acid\_ROO\_EIC\_Counts vs. Acquisition time (min)



ESI EIC (455.3553) Scan Frag=175.0V