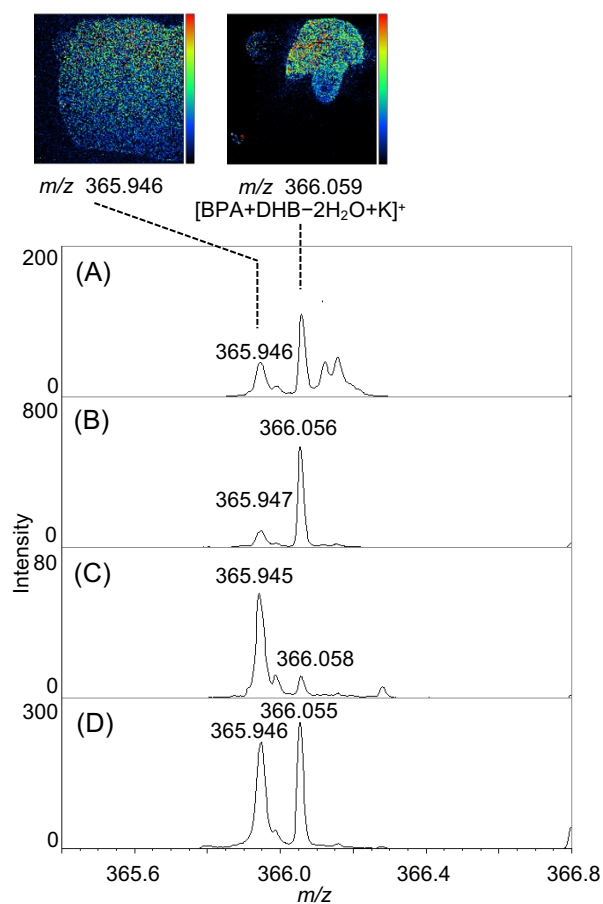


Supplementary figure 1. Product ion spectra obtained from the precursor ions, (A) $[2\text{DHB}-2\text{H}_2\text{O}+\text{H}]^+$ at m/z 273, (B) $[\text{BPA}+\text{DHB}-2\text{H}_2\text{O}+\text{H}]^+$ at m/z 328, (C) $[\text{BPA}+\text{DHB}-2\text{H}_2\text{O}+\text{Na}]^+$ at m/z 350 and (D) $[\text{BPA}+\text{DHB}-2\text{H}_2\text{O}+\text{K}]^+$ at m/z 366 in the MS/MS measurement of 250 pmol-BPA standard spot. The neutral loss corresponding to the formula of (DHB-H₂O) or (BPA-H₂O) was detected in each product ion spectra.

The spectrum data files are available in J-STAGE Data.

<https://doi.org/10.50893/data.massspectrometry.21522303>



Supplementary figure 2. Mass images obtained from each peak around m/z 366 in a mass window of 0.02 Da and the averaged mass spectra by a pixel extracted from (A) tumor region, (B) 10pmol-BPA spotted tumor region, (C) cortex region and (D) 50pmol-BPA spotted cortex region in the BPA dosed brain tissue section. The relative intensities of the peak at m/z 366.059 (in the case of A) to the peak at m/z 365.95 increased after BPA spotting in tumor or cerebral cortex area.