**Supplementary file 3. Selected *m/z* values for type 2ω/α WdiEs in MS/MS analysis.**

|  |  |  |
| --- | --- | --- |
| Total carbon chain length and degree of unsaturation | Precursor ion (Q1)[M + H]+ | Product ions (Q3) |
| [M + H −(C16:1 FA−OH)−H2O]+ | [M + H−(C18:1 FA−OH)−H2O]+ |
| C52:2 | 787.7  | 561.4  | 533.3  |
| C54:2 | 815.7  | 589.4  | 561.4  |
| C56:2 | 843.8  | 617.4  | 589.4  |
| C58:2 | 871.8  | 645.5  | 617.4  |
| C60:2 | 899.8  | 673.5  | 645.5  |
| C62:2 | 927.9  | 701.5  | 673.5  |
| C64:2 | 955.9  | 729.6  | 701.5  |
| C66:2 | 983.9  | 757.6  | 729.6  |
| C68:2 | 1012.0  | 785.6  | 757.6  |
| C70:2 | 1040.0  | 813.7  | 785.6  |
| C72:2 | 1068.0  | 841.7  | 813.7  |
| C52:3 | 785.7  | 559.3  | 531.3  |
| C54:3 | 813.7  | 587.4  | 559.3  |
| C56:3 | 841.7  | 615.4  | 587.4  |
| C58:3 | 869.8  | 643.4  | 615.4  |
| C60:3 | 897.8  | 671.5  | 643.4  |
| C62:3 | 925.8  | 699.5  | 671.5  |
| C64:3 | 953.9  | 727.5  | 699.5  |
| C66:3 | 981.9  | 755.6  | 727.5  |
| C68:3 | 1009.9  | 783.6  | 755.6  |
| C70:3 | 1038.0  | 811.6  | 783.6  |
| C72:3 | 1066.0  | 839.7  | 811.6  |