

**Supplementary Table 1.** Operational parameters for TSQ Altis analysis of eCBs/NAEs.

Analyte	Precursor → Product ( <i>m/z</i> )	CE [V]	RF Lens [V]
AEA	348.2 → 287.2	14.00	84
	348.2 → 62.2	<i>18.00</i>	<i>84</i>
[ <sup>2</sup> H <sub>4</sub> ]-AEA	352.4 → 287.2	19.00	74
	352.4 → 66.2	<i>14.00</i>	<i>74</i>
OEA	326.3 → 62	17.22	67
	326.3 → 44.1	<i>41.94</i>	<i>67</i>
[ <sup>2</sup> H <sub>4</sub> ]-OEA	328.2 → 62	17.76	65
	328.2 → 44.1	<i>45.35</i>	<i>65</i>
PEA	300.2 → 62	15.99	62
	300.2 → 44.1	<i>18.94</i>	<i>62</i>
[ <sup>2</sup> H <sub>4</sub> ]-PEA	304.2 → 62	16.33	62
	304.2 → 44.1	<i>19.79</i>	<i>62</i>
2-AG	379.3 → 287.2	19.00	89
	379.3 → 269.2	<i>20.00</i>	<i>89</i>
[ <sup>2</sup> H <sub>4</sub> ]-2-AG	384.3 → 287.2	16.00	80
	384.3 → 269.2	<i>17.00</i>	<i>80</i>
CBD/ $\Delta^9$ -THC	315.2 → 193.2	22.31	74
	315.2 → 259.1	<i>19.74</i>	<i>70</i>
[ <sup>2</sup> H <sub>4</sub> ]- CBD/[ <sup>2</sup> H <sub>4</sub> ]- $\Delta^9$ -THC	318.3 → 196.2	24.33	66
	318.3 → 262.1	<i>19.79</i>	<i>66</i>

Transitions in *italics* were used as qualifier ions. List of abbreviations: CBD, cannabidiol;  $\Delta^9$ -THC, delta-9-tetrahydrocannabinol; AEA, anandamide; 2-AG, 2-arachidonoylglycerol; OEA, oleoylethanolamine; PEA, palmitoylethanolamine; CE, collision energy; RF, Radio frequency; *m/z*, mass to charge ratio.