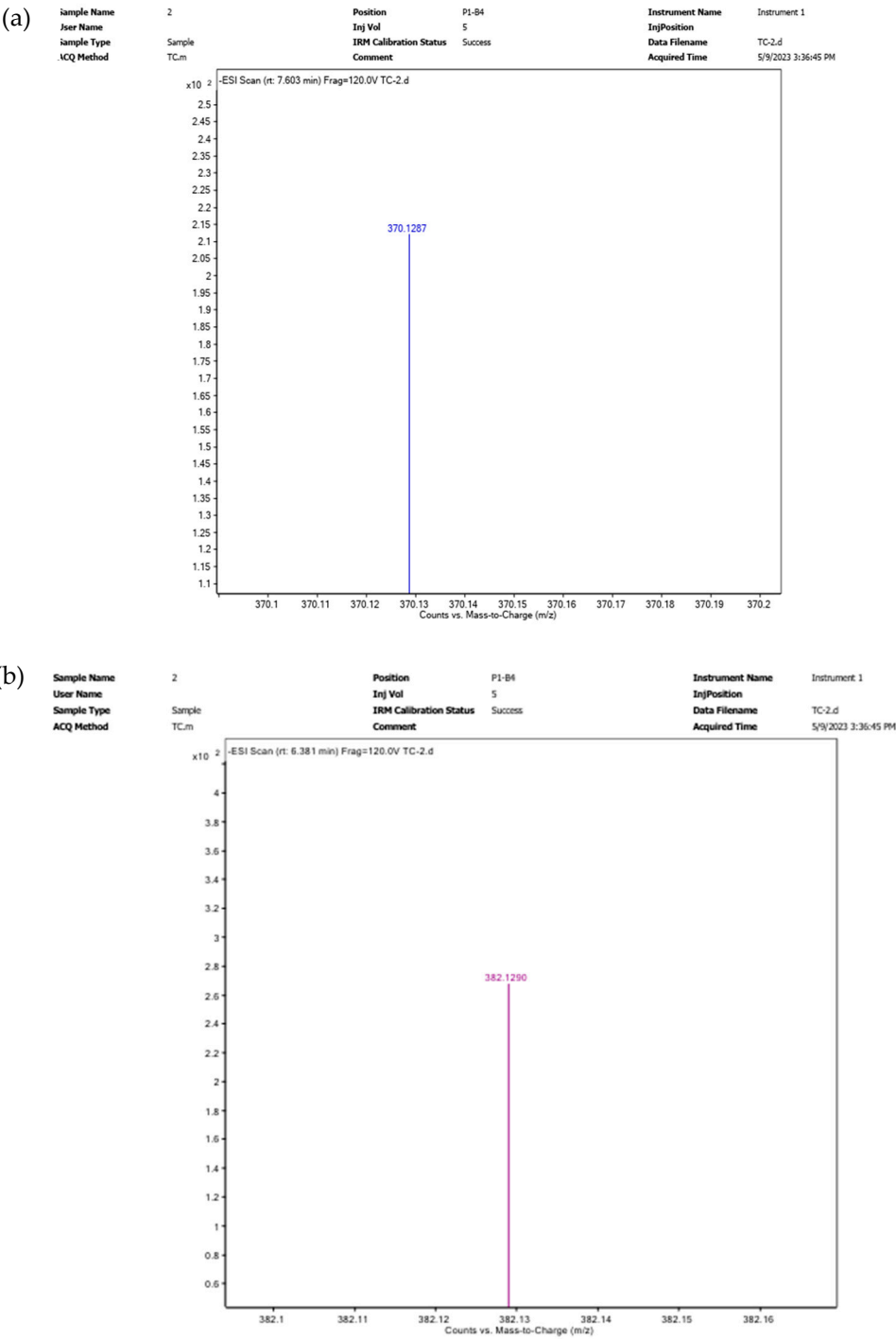
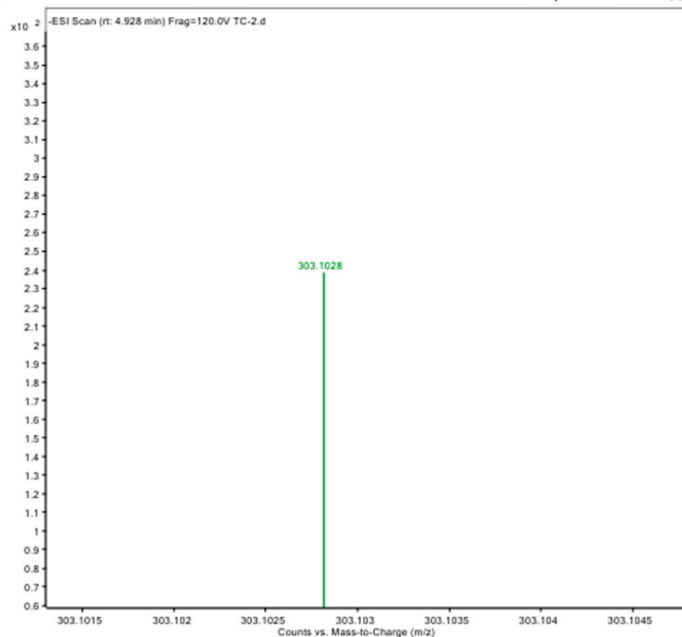


Supporting Information



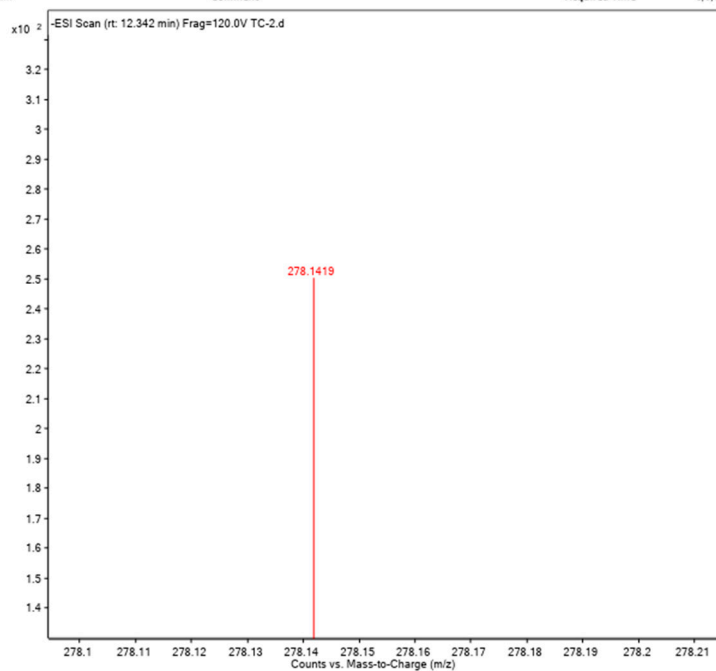
(c)

Sample Name	2	Position	P1-B4	Instrument Name	Instrument 1
User Name		Inj Vol	5	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	TC-2.d
ACQ Method	TC.m	Comment		Acquired Time	5/9/2023 3:36:45 PM



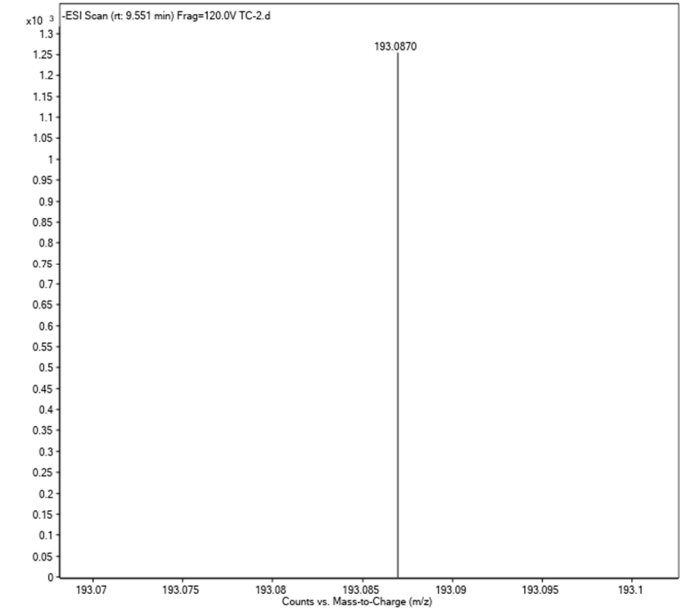
(d)

Sample Name	2	Position	P1-B4	Instrument Name	Instrument 1
User Name		Inj Vol	5	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	TC-2.d
ACQ Method	TC.m	Comment		Acquired Time	5/9/2023 3:36:45 PM



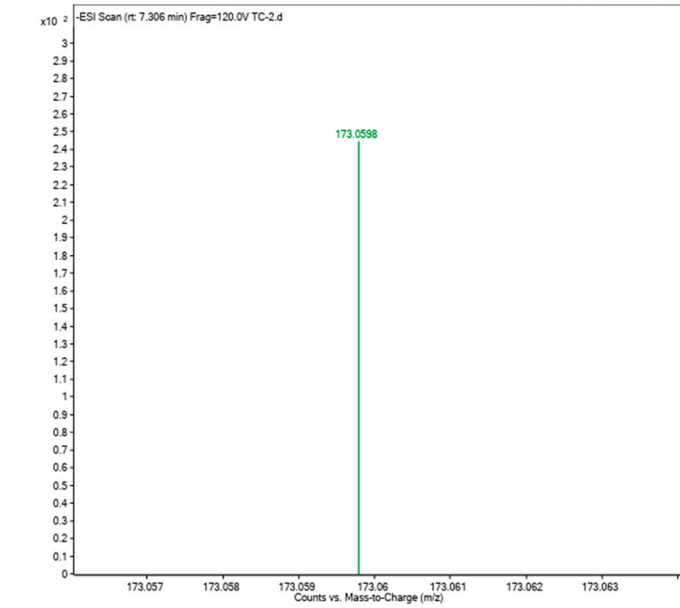
(e)

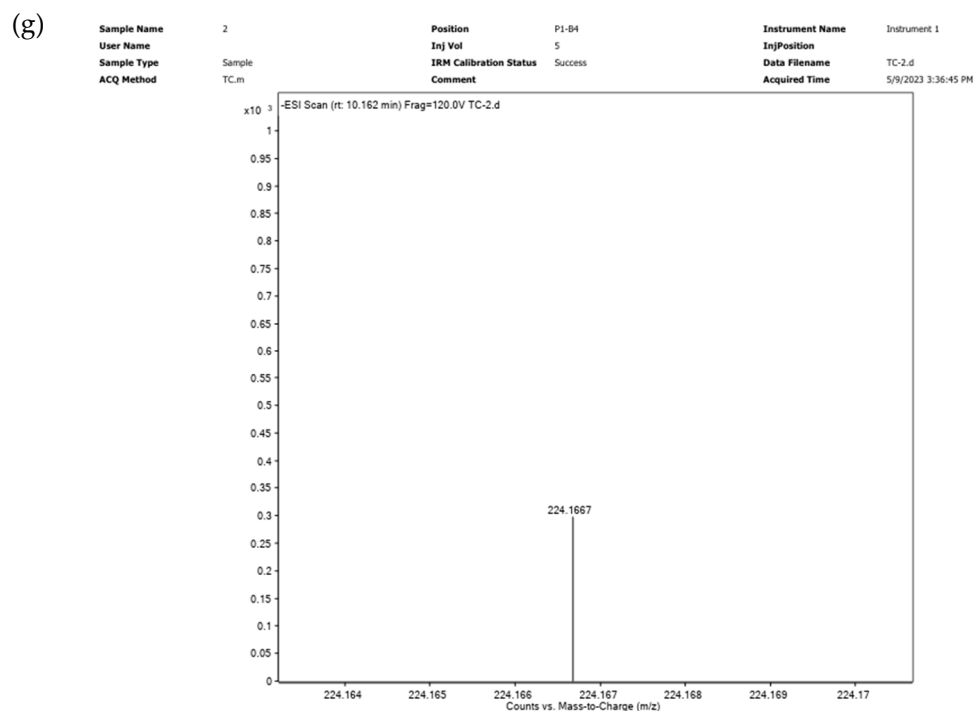
Sample Name	2	Position	P1-B4	Instrument Name	Instrument 1
User Name		Inj Vol	5	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	TC-2.d
ACQ Method	TC.m	Comment		Acquired Time	5/9/2023 3:36:45 PM



(f)

Sample Name	2	Position	P1-B4	Instrument Name	Instrument 1
User Name		Inj Vol	5	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	TC-2.d
ACQ Method	TC.m	Comment		Acquired Time	5/9/2023 3:36:45 PM



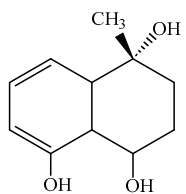
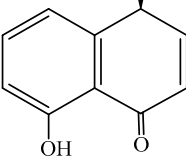
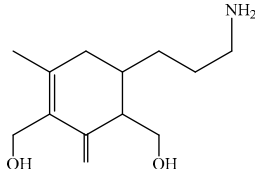


**Figure S1.** (a-g) Detailed data graph of TC degradation by-products

**Table S1.**

The proposed transformation products of TC.

	m/z	Molecular formula	Chemical structure
TC	445	C <sub>22</sub> H <sub>24</sub> O <sub>8</sub> N <sub>2</sub>	
a	370	C <sub>20</sub> H <sub>21</sub> O <sub>6</sub> N	
b	382	C <sub>21</sub> H <sub>21</sub> O <sub>6</sub> N	
c	303	C <sub>30</sub> H <sub>16</sub> O <sub>3</sub>	
d	278	C <sub>15</sub> H <sub>21</sub> O <sub>4</sub> N	

e	193	$C_{11}H_{14}O_3$	
f	173	$C_{11}H_{10}O_2$	
g	224	$C_{13}H_{23}O_2N$	

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