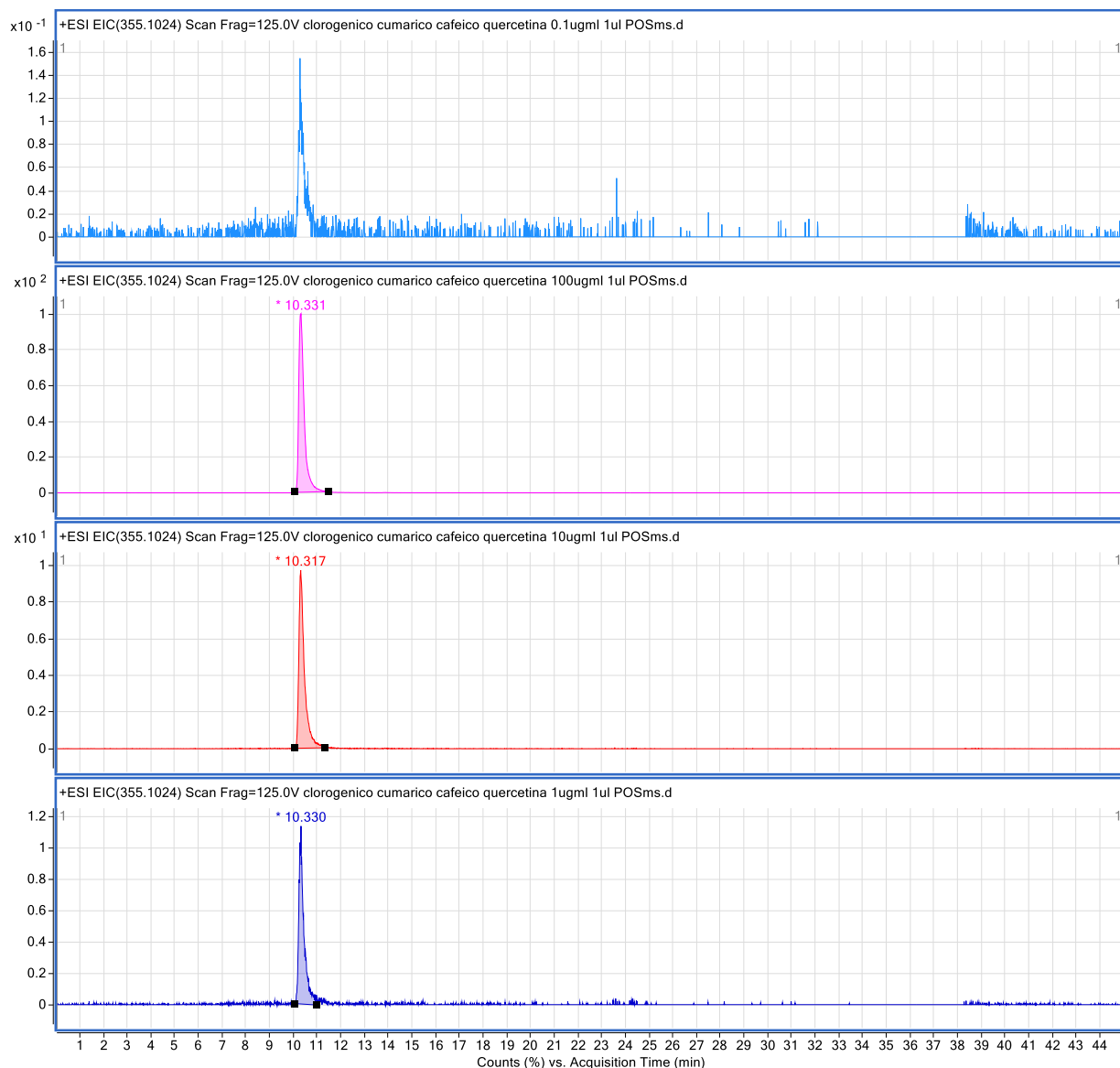


Supplementary material S1. Examples of chromatograms and MS spectrum results for standards and samples from different outlets. All measurements were performed in triplicate. Samples 1-3: Sale point 4 in the manuscript; samples 4-6: Sale point 3 in the manuscript; samples 7-9: Sale point 5 in the manuscript; samples 10-12: Sale point 1 in the manuscript; samples 13-15: Sale point 2 in the manuscript.

STANDARD MULTIPLE (CHLOROGENIC ACID, CUMARIC ACID, CAFFEIC ACID AND QUERCETIN)

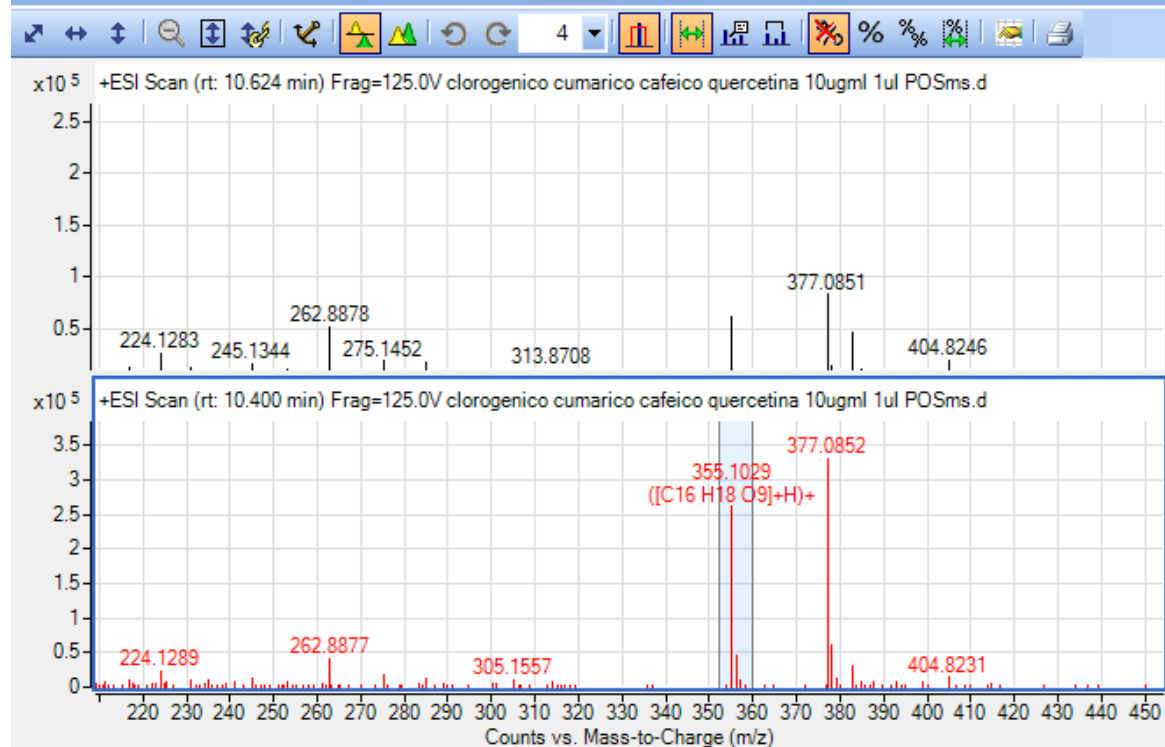
CHLOROGENIC ACID STANDARD (355.10)



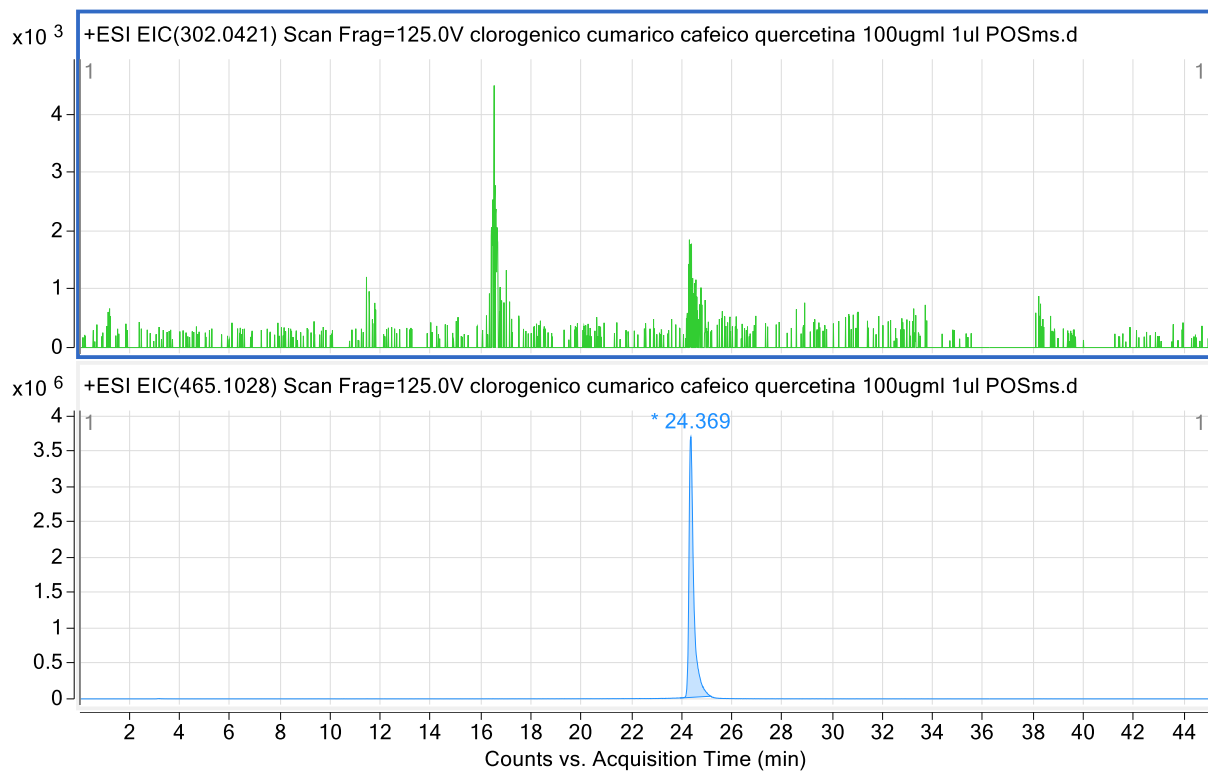
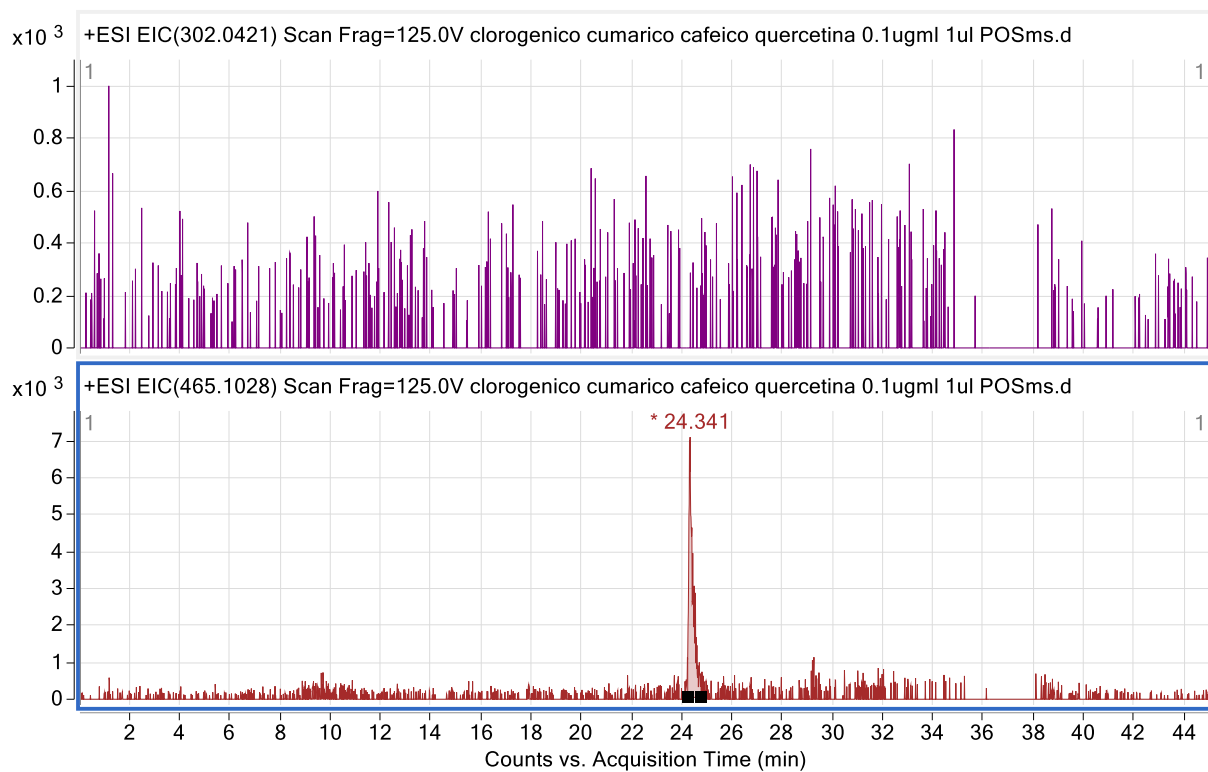
Best	ID Source	Name	Formula	Species	m/z	Score	Score (RT)	RT
●	MFG		C16 H18 O9	(M+H)+	355.1029	99		
○	MFG		C15 H12 N7 O4	(M+H)+	355.1029	96.22		
○	MFG		C17 H14 N4 O5	(M+H)+	355.1029	95.75		
○	MFG		C14 H16 N3 O8	(M+H)+	355.1029	89.35		
○	MFG		C9 H18 N6 O7 S	(M+H)+	355.1029	87.05		
○	MFG		C10 H14 N10 O3 S	(M+H)+	355.1029	87.01		
○	MFG		C11 H20 N3 O8 S	(M+H)+	355.1029	85.99		
○	MFG		C13 H10 N10 O3	(M+H)+	355.1029	85.22		
○	MFG		C23 H16 N O S	(M+H)+	355.1029	84.44		
○	MFG		C19 H16 N O6	(M+H)+	355.1029	84.34		
○	MFG		C17 H22 O4 S2	(M+H)+	355.1029	83.39		
○	MFG		C18 H10 N8 O	(M+H)+	355.1029	81.84		
○	MFG		C15 H20 N3 O3 S2	(M+H)+	355.1029	78.47		
○	MFG		C18 H18 N4 S2	(M+H)+	355.1029	77.35		
○	MFG		C12 H16 N7 O4 S	(M+H)+	355.1029	77.23		
○	MFG		C21 H14 N4 S	(M+H)+	355.1029	76.75		
○	MFG		C13 H22 O9 S	(M+H)+	355.1029	75.05		
○	MFG		C12 H14 N6 O7	(M+H)+	355.1029	73.49		

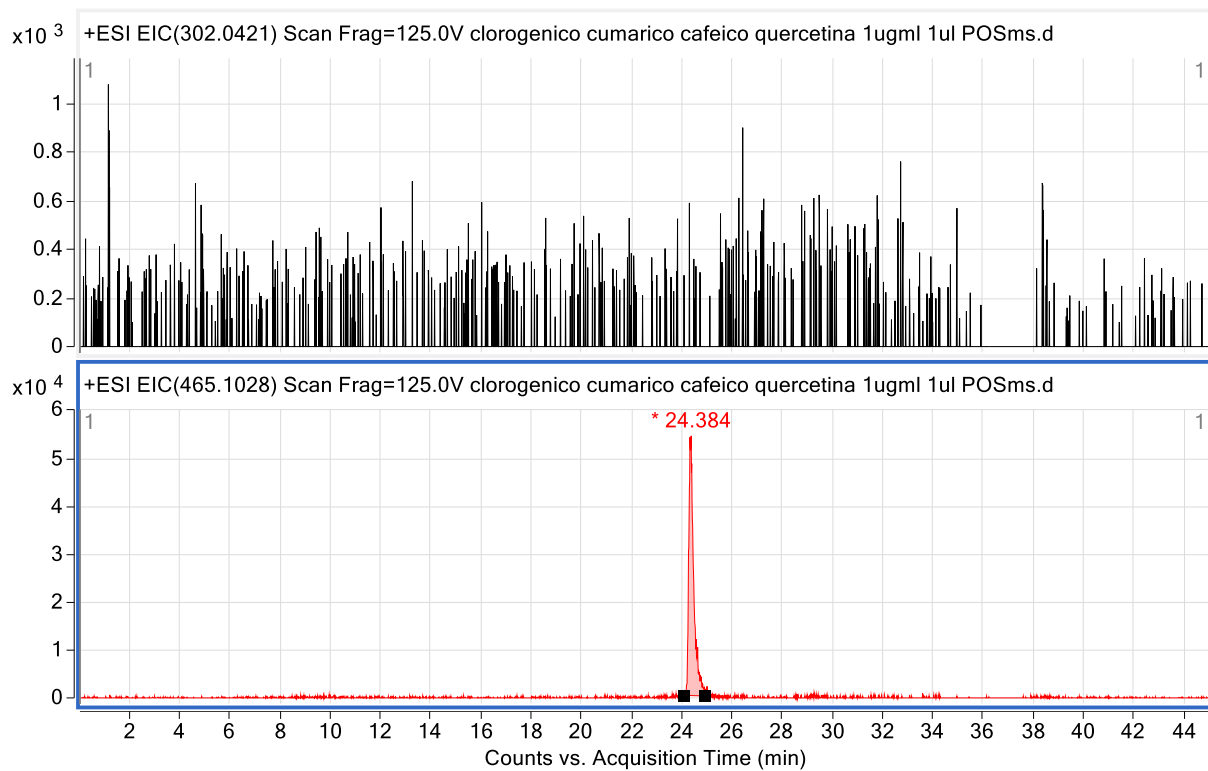
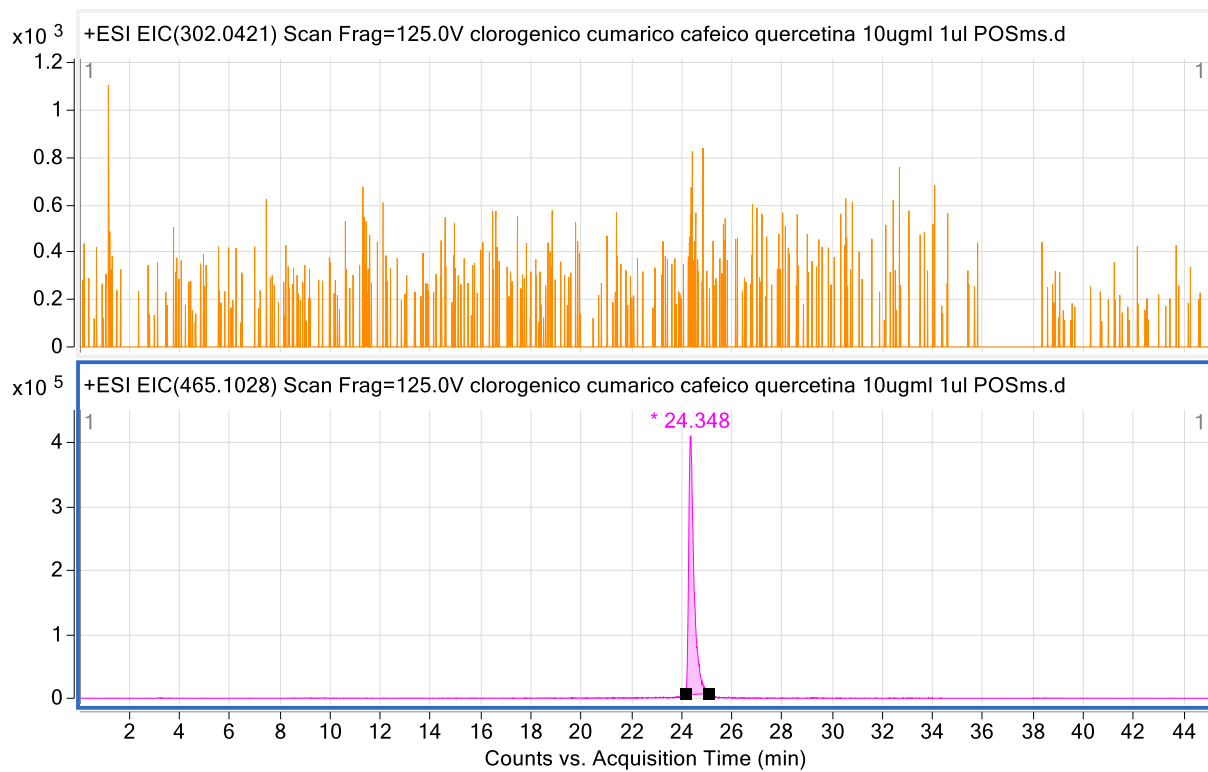
Chromatogram Results Spectrum Identification Results: + Scan (rt: 10.400 min)

MS Spectrum Results



QUERCETIN-3-GLUCOSIDE (465.1028) AND QUERCETIN (302.0421) STANDARDS

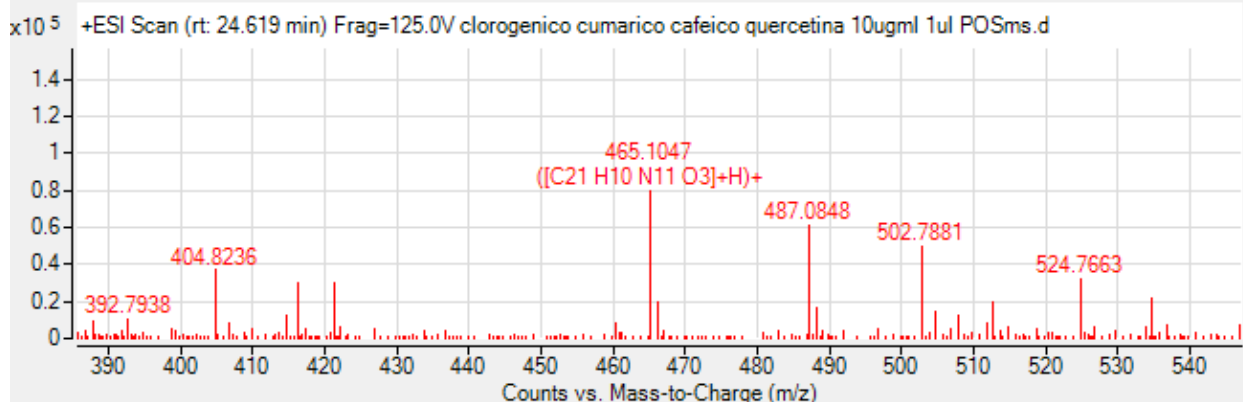
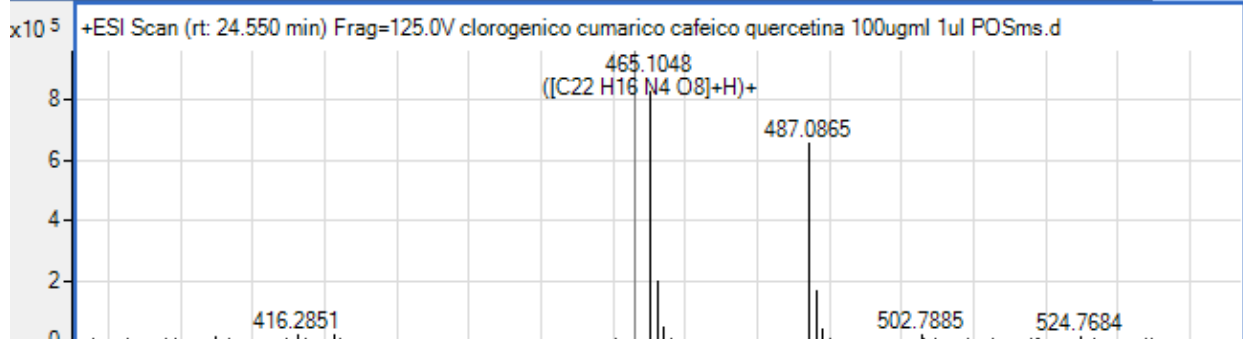




Best	ID Source	Name	Formula	Species	m/z	Score	Score (RT)
●	MFG		C22 H16 N4 O8	(M+H)+	465.1048	96.32	
○	MFG		C15 H16 N10 O6 S	(M+H)+	465.1048	95.5	
○	MFG		C16 H12 N14 O2 S	(M+H)+	465.1048	95	
○	MFG		C21 H10 N11 O3	(M+H)+	465.1048	94.94	
○	MFG		C17 H18 N7 O7 S	(M+H)+	465.1048	93.03	
○	MFG		C24 H18 N O9	(M+H)+	465.1048	93.01	
○	MFG		C16 H22 N3 O11 S	(M+H)+	465.1048	92.63	
○	MFG		C23 H12 N8 O4	(M+H)+	465.1048	92.56	
○	MFG		C21 H20 O12	(M+H)+	465.1048	91.28	
○	MFG		C20 H14 N7 O7	(M+H)+	465.1048	90.78	
○	MFG		C18 H24 O12 S	(M+H)+	465.1048	88.91	
○	MFG		C14 H20 N6 O10 S	(M+H)+	465.1048	86.96	
○	MFG		C23 H20 N4 O3 S2	(M+H)+	465.1048	86.72	
○	MFG		C29 H14 N5 S	(M+H)+	465.1048	85.45	
○	MFG		C18 H14 N11 O3 S	(M+H)+	465.1048	85.45	
○	MFG		C21 H18 N7 O2 S2	(M+H)+	465.1048	83.98	
○	MFG		C22 H24 O7 S2	(M+H)+	465.1048	82.96	
○	MFG		C19 H20 N4 O8 S	(M+H)+	465.1048	82.77	

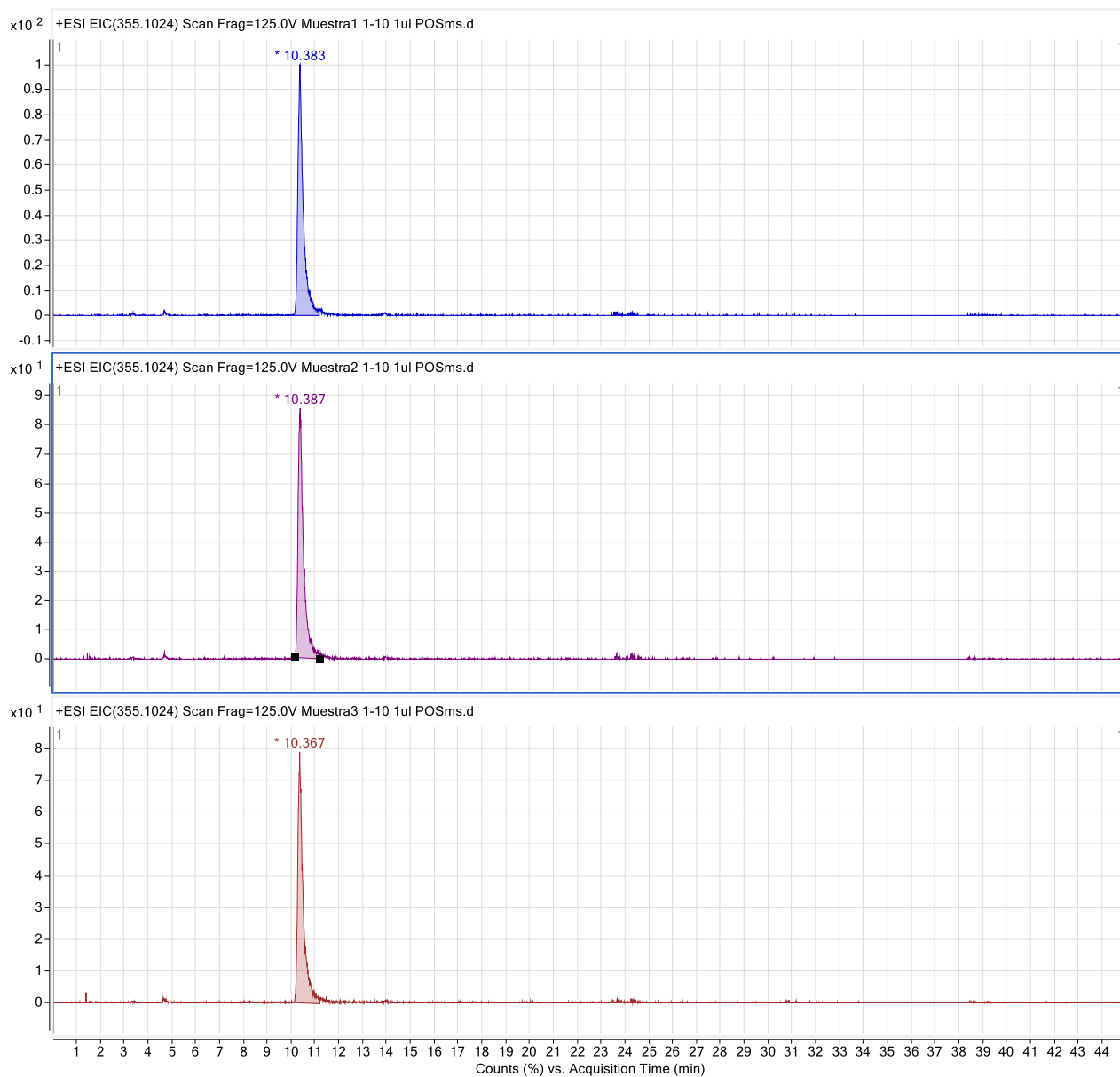
Chromatogram Results Spectrum Identification Results: + Scan (rt: 24.550 min)

MS Spectrum Results

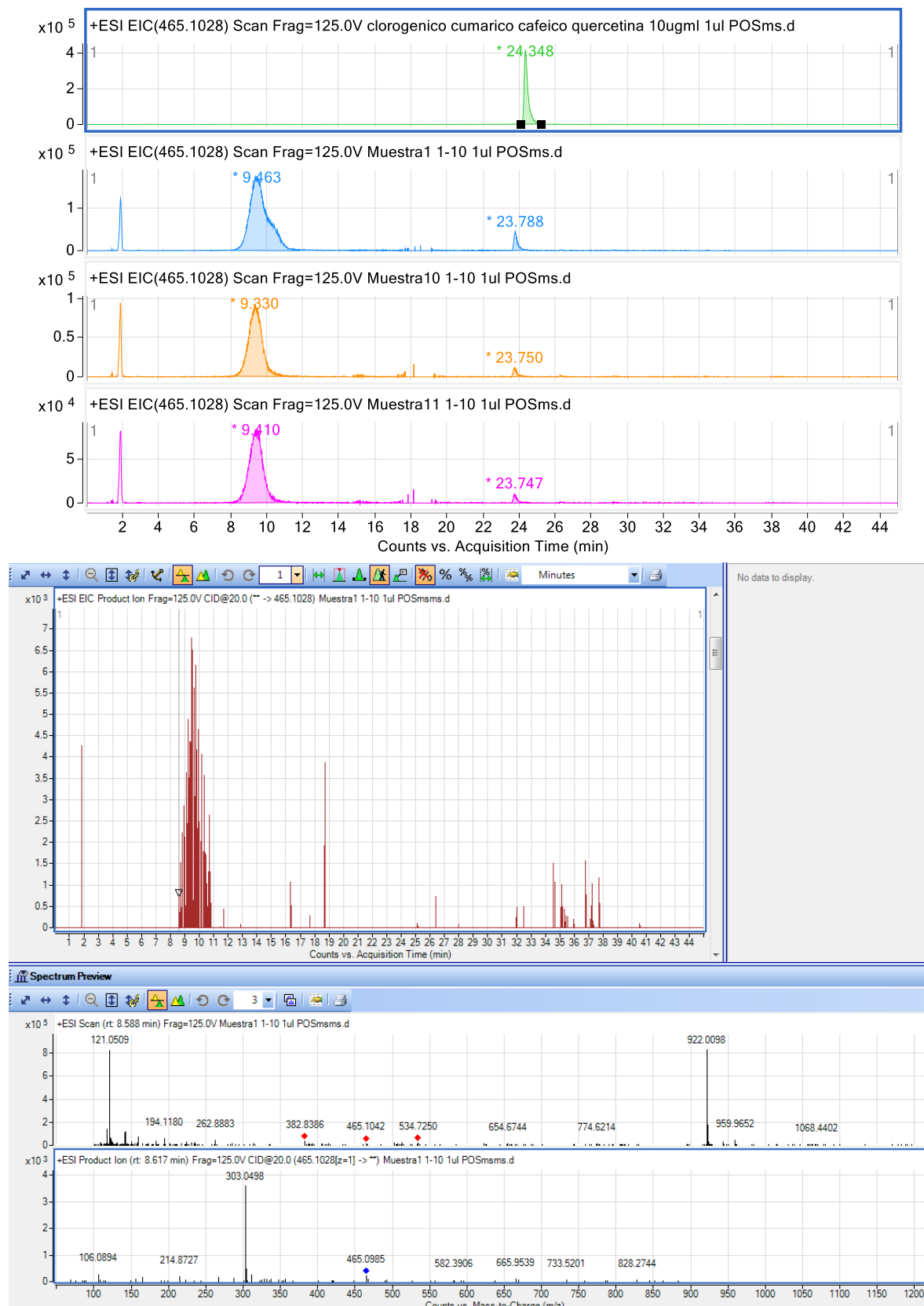


CHLOROGENIC ACID IN SAMPLES

SALE POINT 4 (TRIPLICATE)

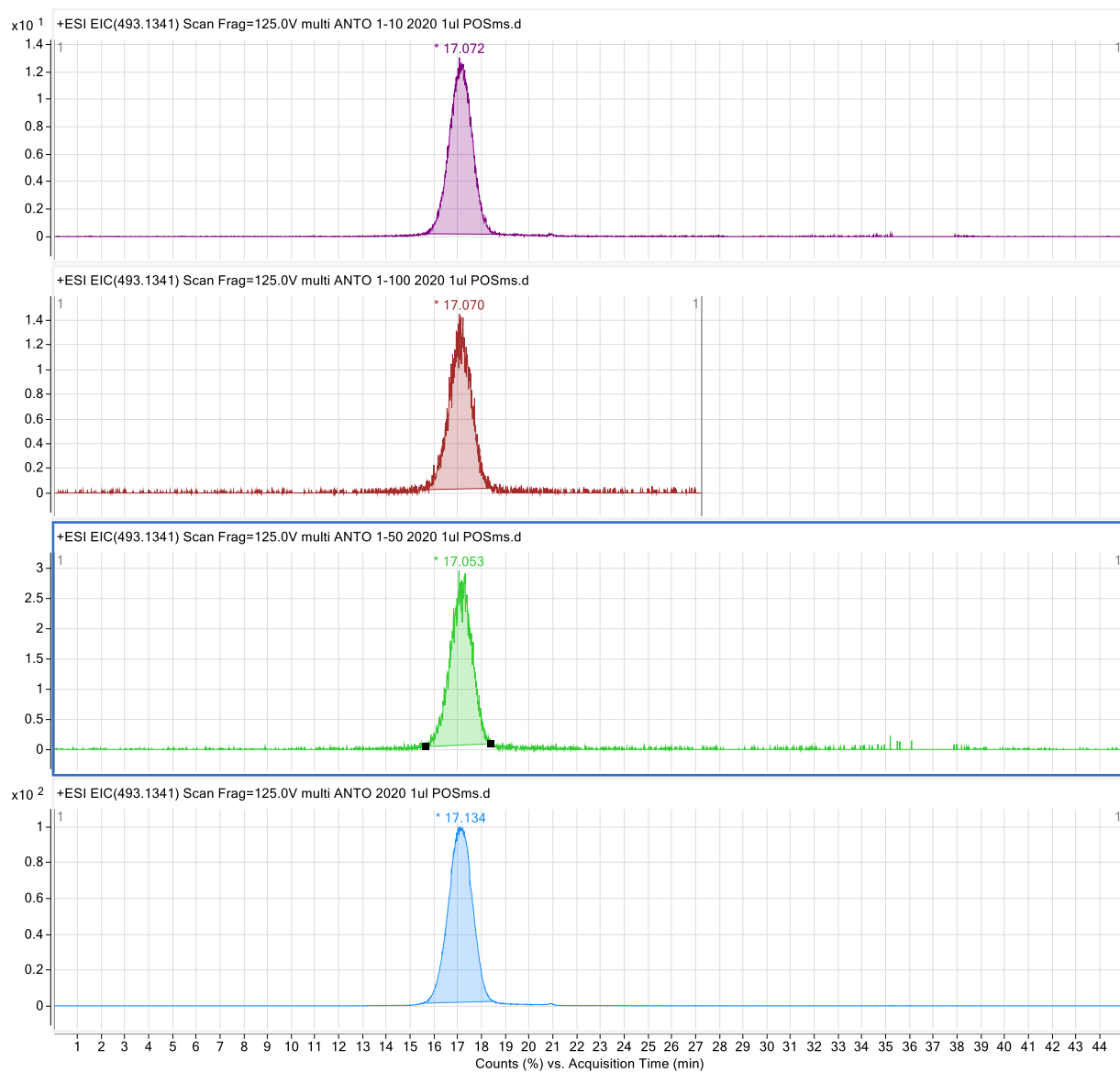


DELPHINIDIN 3-PYRANOSIDE (465.1028) IN SAMPLES



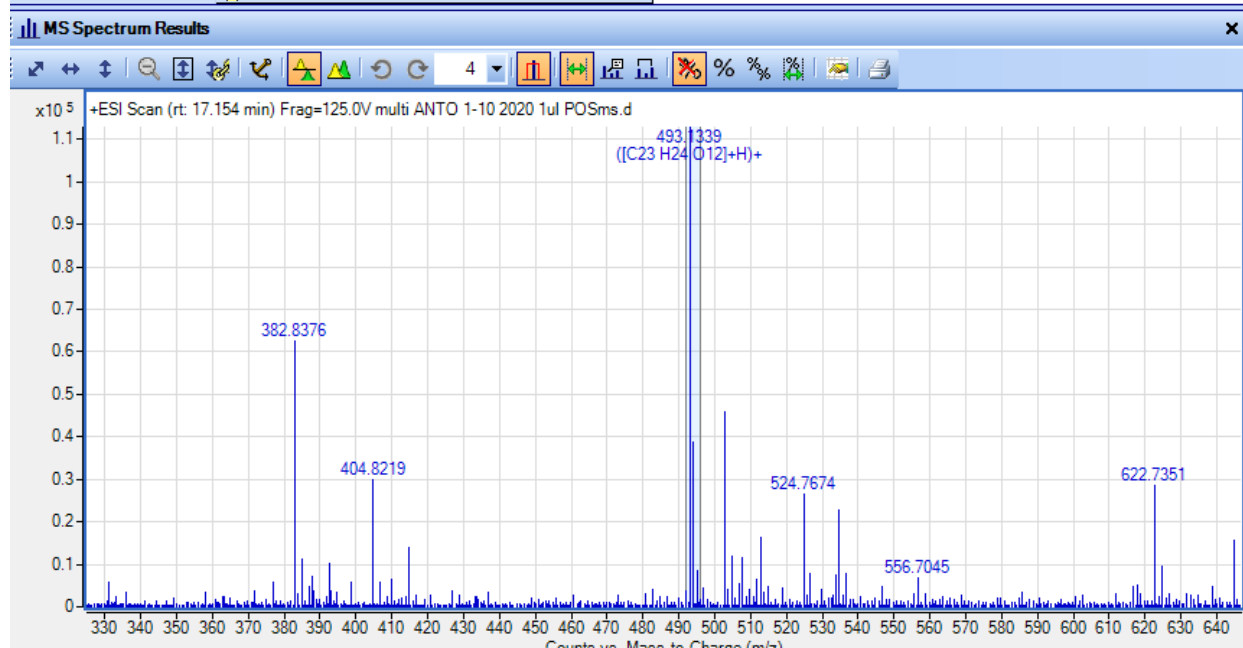
STANDARD SOLUTIONS

1. Malvidin-3-glucoside (493.1341)

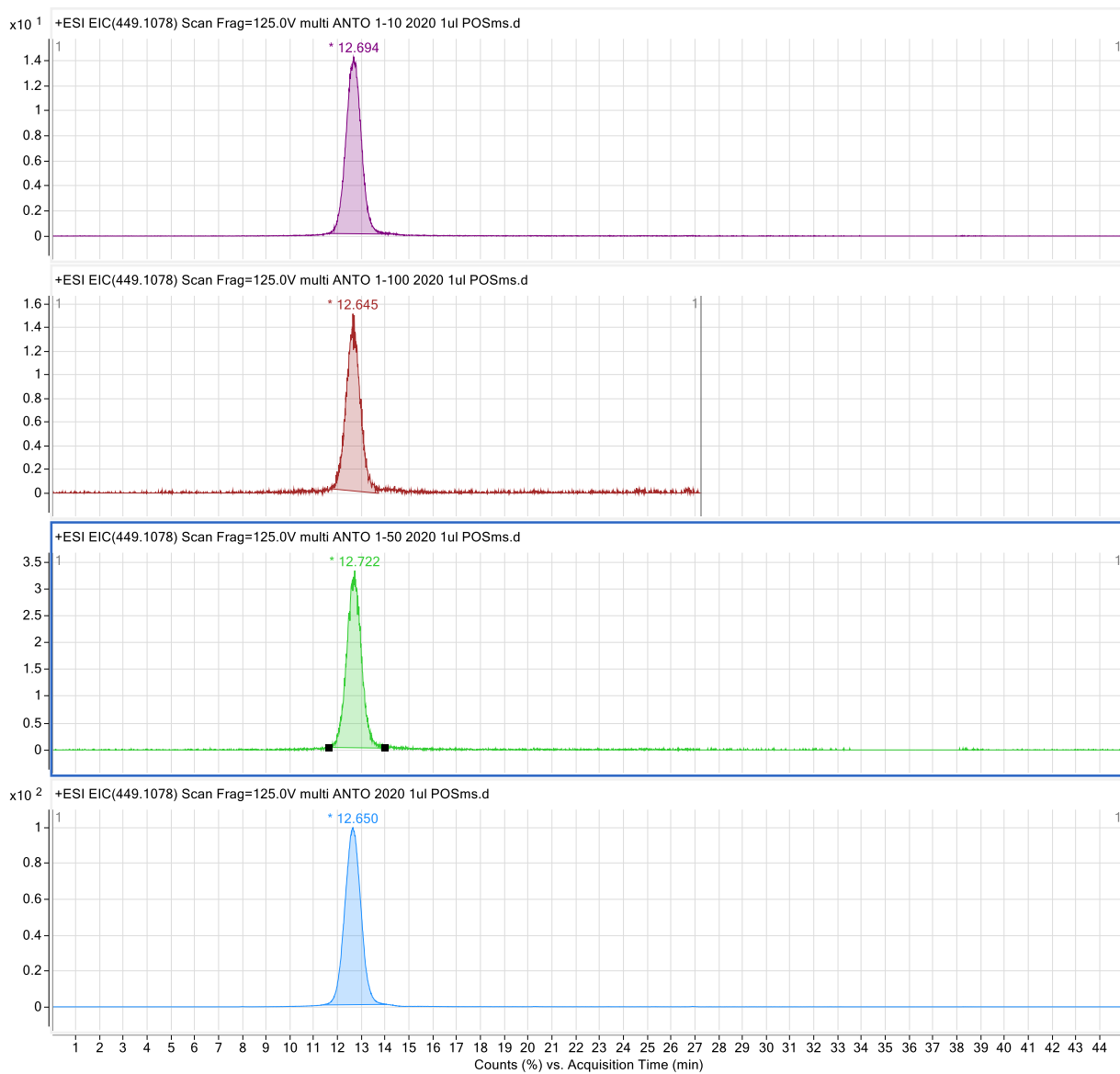


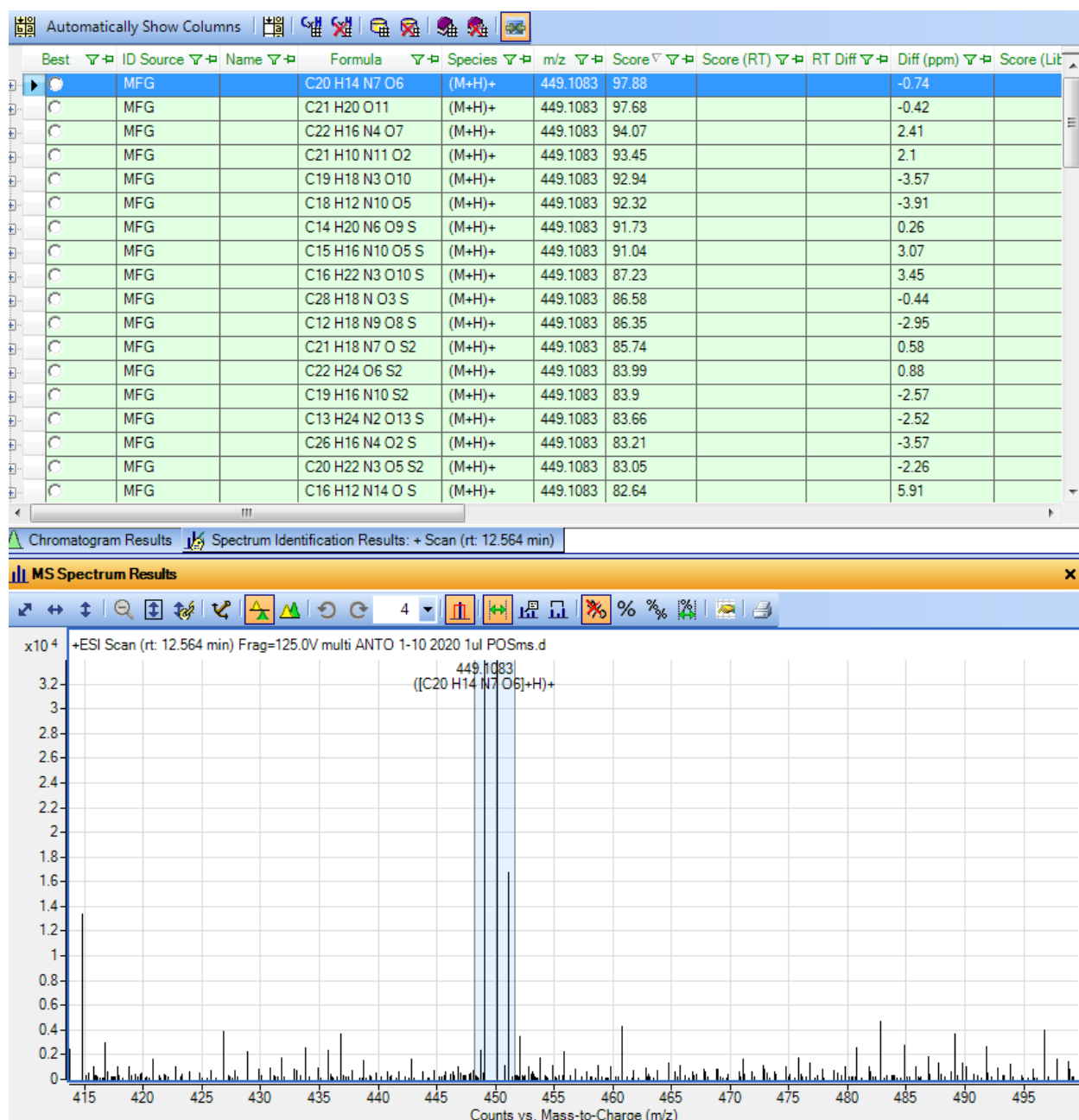
Best	ID Source	Name	Formula	Species	m/z	Score	Score (RT)	RT Diff	Diff (ppm)	Score (Lit)
+	MFG		C23 H24 O12	(M+H)+	493.1339	98.67			-0.06	
+	MFG		C22 H18 N7 O7	(M+H)+	493.1339	98.09			-0.37	
+	MFG		C24 H20 N4 O8	(M+H)+	493.1339	95.79			2.5	
+	MFG		C21 H12 N14 O2	(M+H)+	493.1339	95.72			-0.69	
+	MFG		C23 H14 N11 O3	(M+H)+	493.1339	94.36			2.2	
+	MFG		C21 H22 N3 O11	(M+H)+	493.1339	93.17			-2.94	
+	MFG		C20 H16 N10 O6	(M+H)+	493.1339	91.65			-3.27	
+	MFG		C30 H22 N O4 S	(M+H)+	493.1339	89			-0.12	
+	MFG		C26 H22 N O9	(M+H)+	493.1339	86.36			5.37	
+	MFG		C28 H20 N4 O3 S	(M+H)+	493.1339	85.65			-2.98	
+	MFG		C25 H16 N8 O4	(M+H)+	493.1339	85.47			5.08	
+	MFG		C15 H18 N13 O5 S	(M+H)+	493.1339	84.52			0.1	
+	MFG		C36 H16 N2 O	(M+H)+	493.1339	84.5			-1.09	
+	MFG		C16 H24 N6 O10 S	(M+H)+	493.1339	83.28			0.48	
+	MFG		C31 H18 N5 S	(M+H)+	493.1339	83.17			2.48	
+	MFG		C17 H20 N10 O6 S	(M+H)+	493.1339	82.59			3.03	
+	MFG		C23 H22 N7 O2 S2	(M+H)+	493.1339	81.9			0.74	
+	MFG		C19 H20 N6 O10	(M+H)+	493.1339	80.9			-5.83	

Chromatogram Results Spectrum Identification Results: + Scan (rt: 17.154 min)

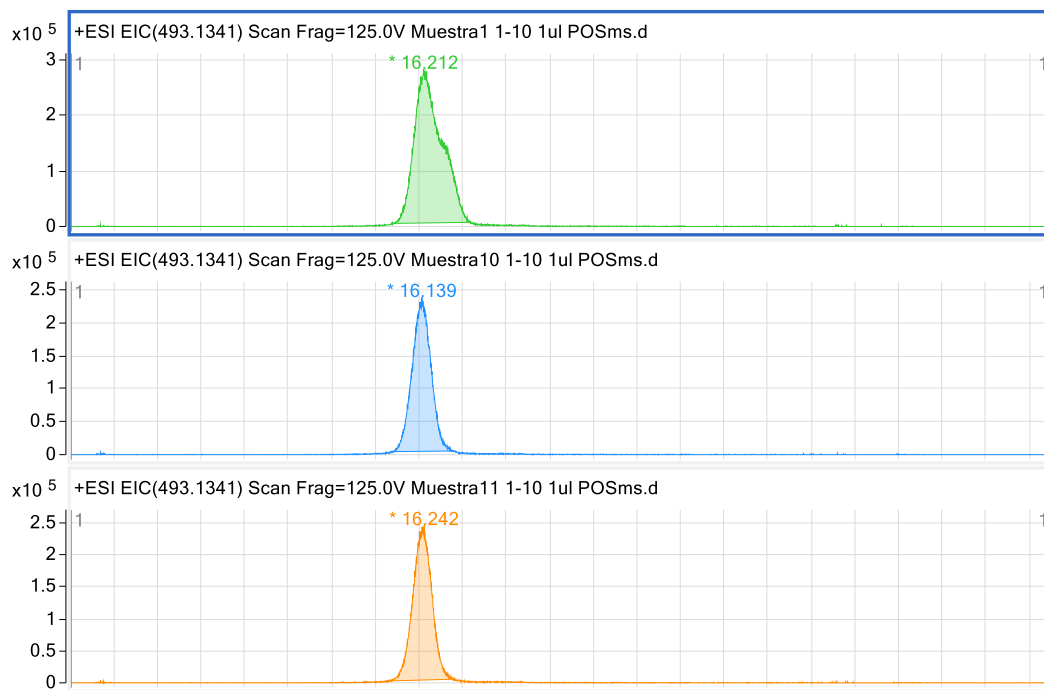


2. Cyanidin-3-glucoside (449.1078)

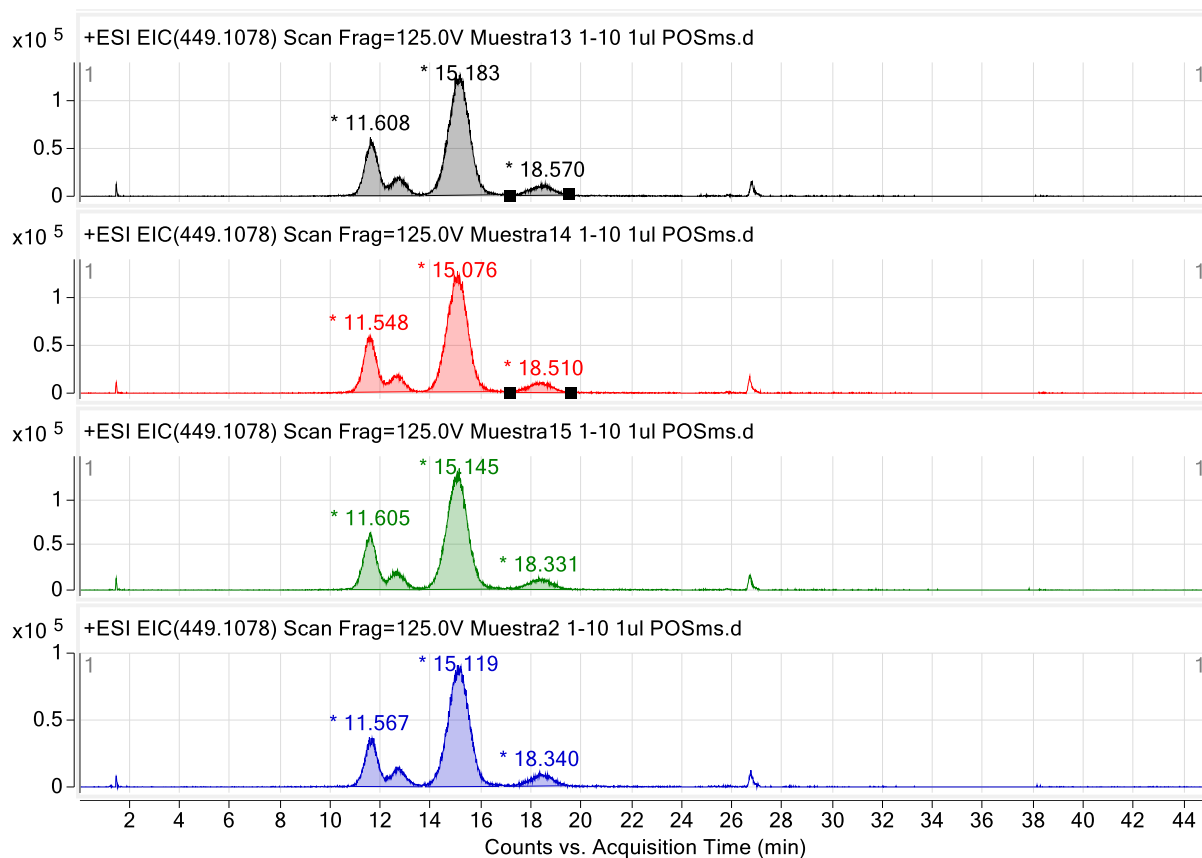


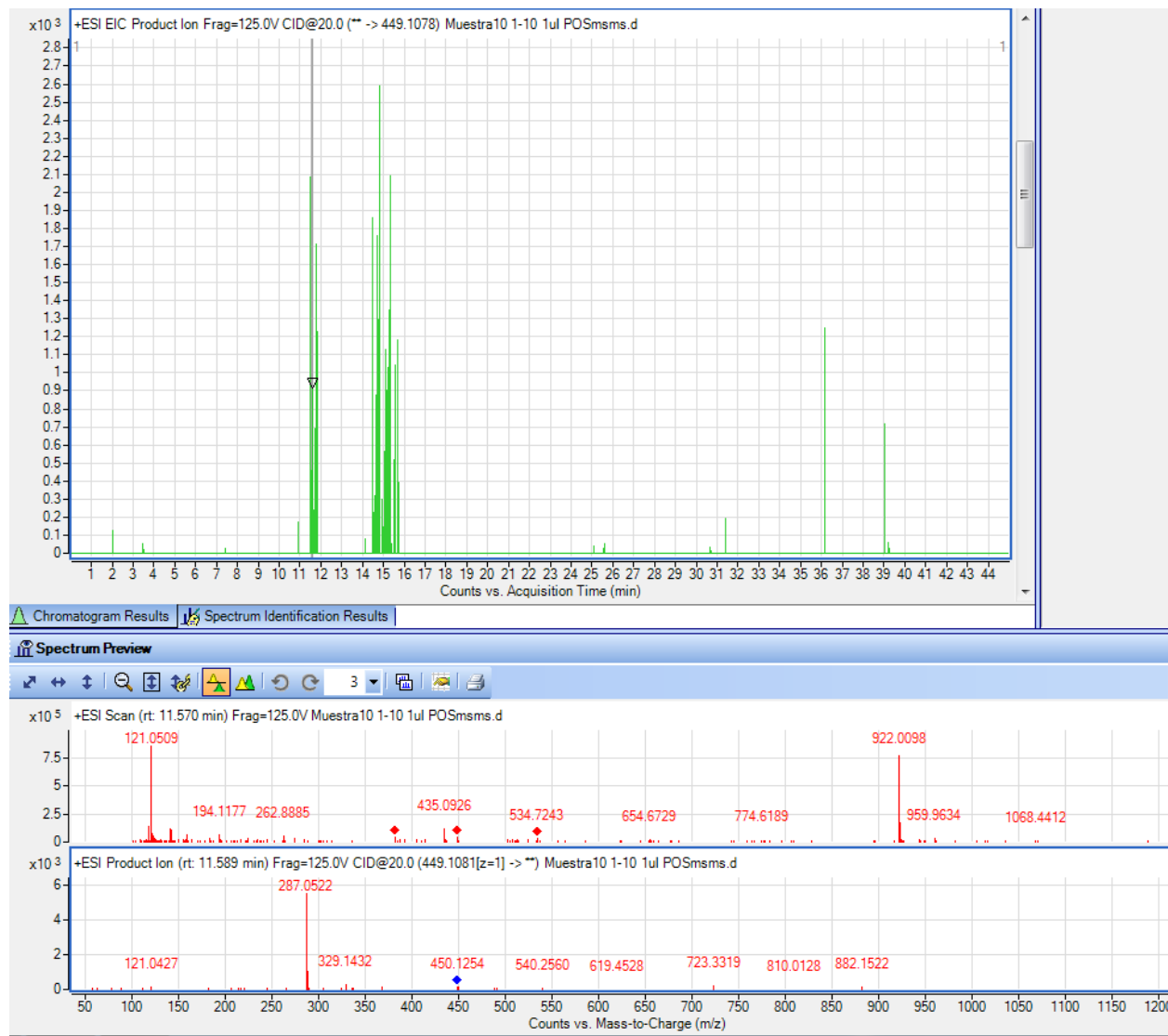


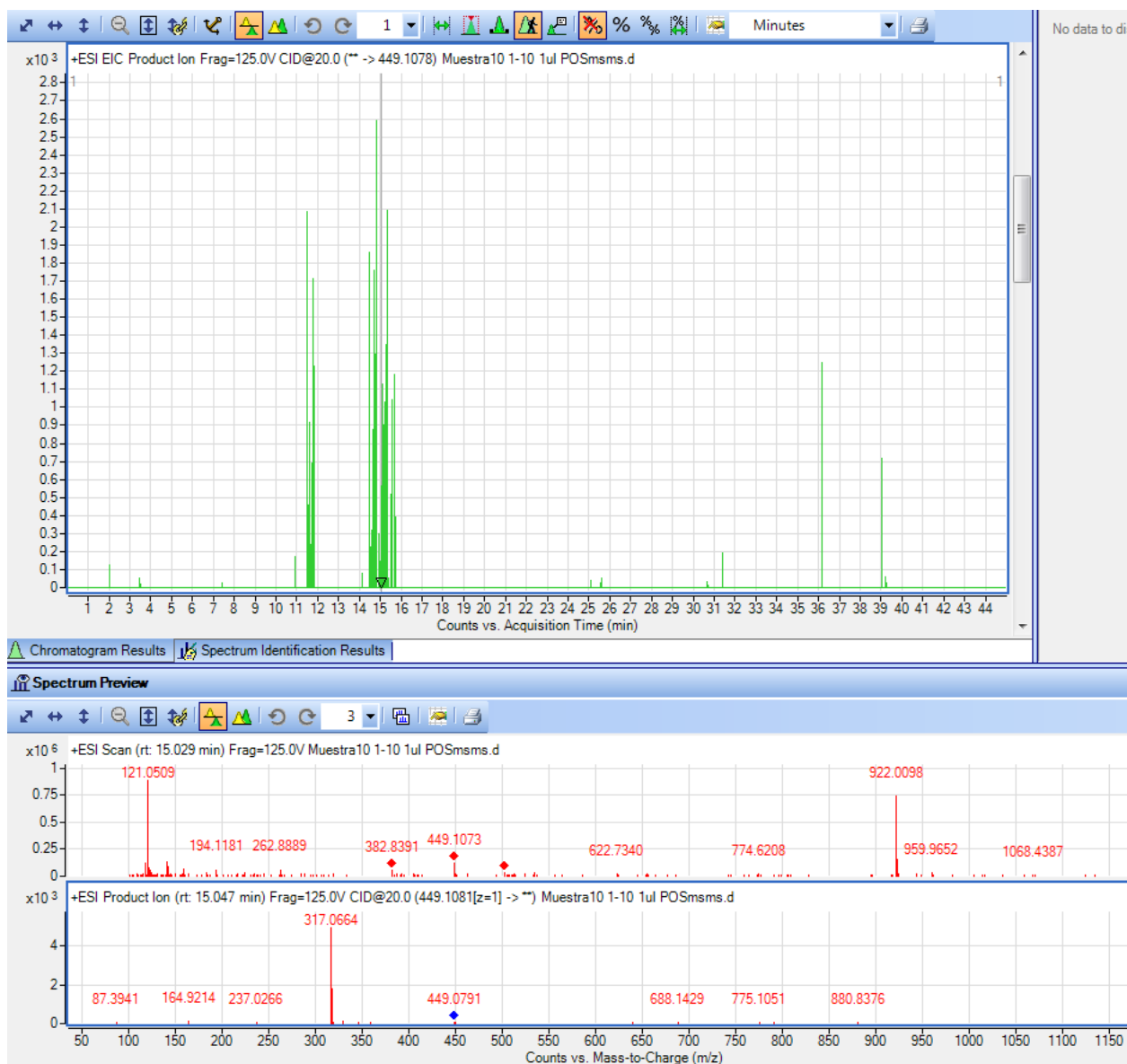
MALVIDIN 3-GLUCOSIDE (493.1341) IN SAMPLES



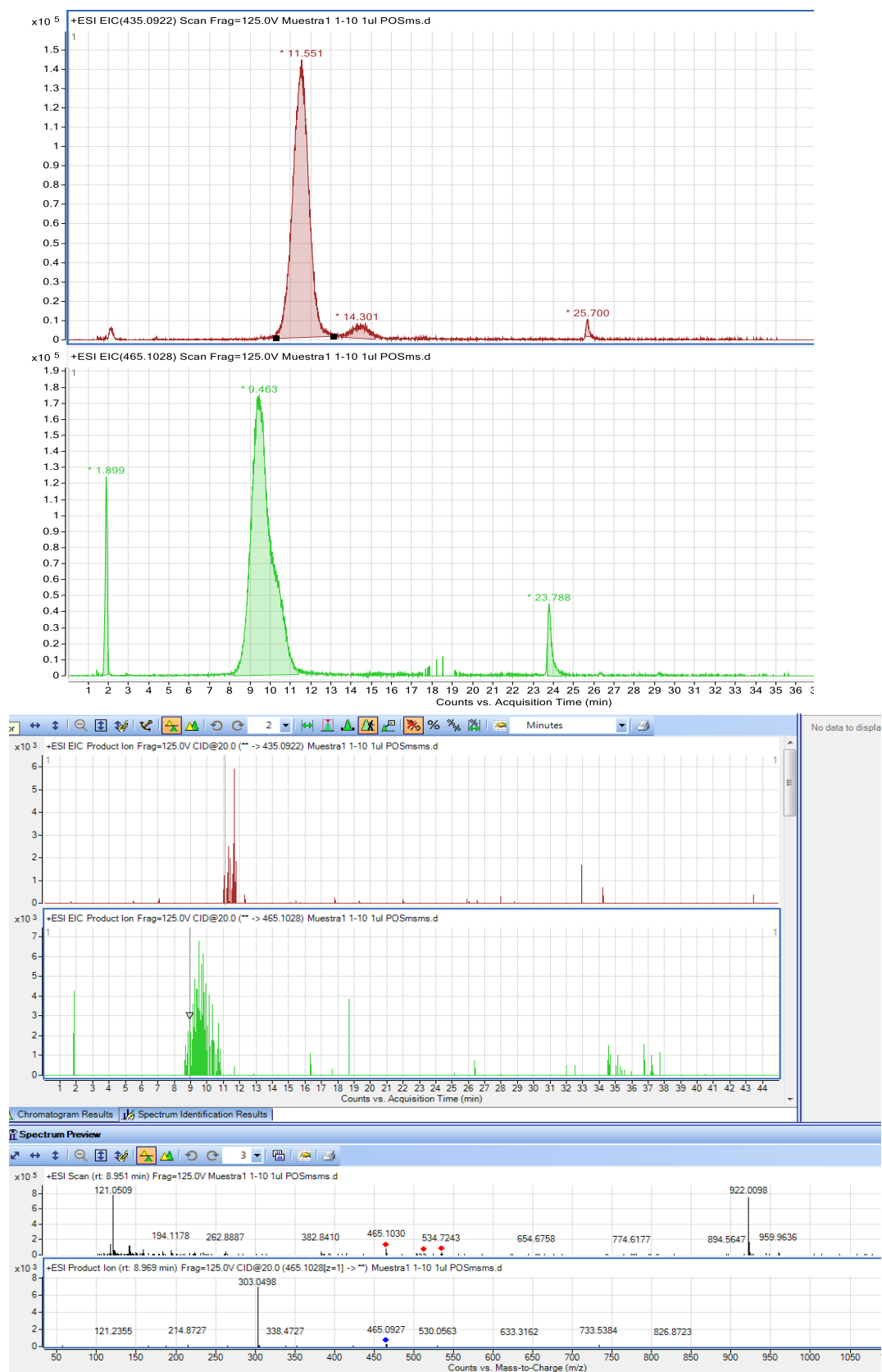
CYANIDIN-3-O-GLUCOSIDE (449.1078) IN SAMPLES



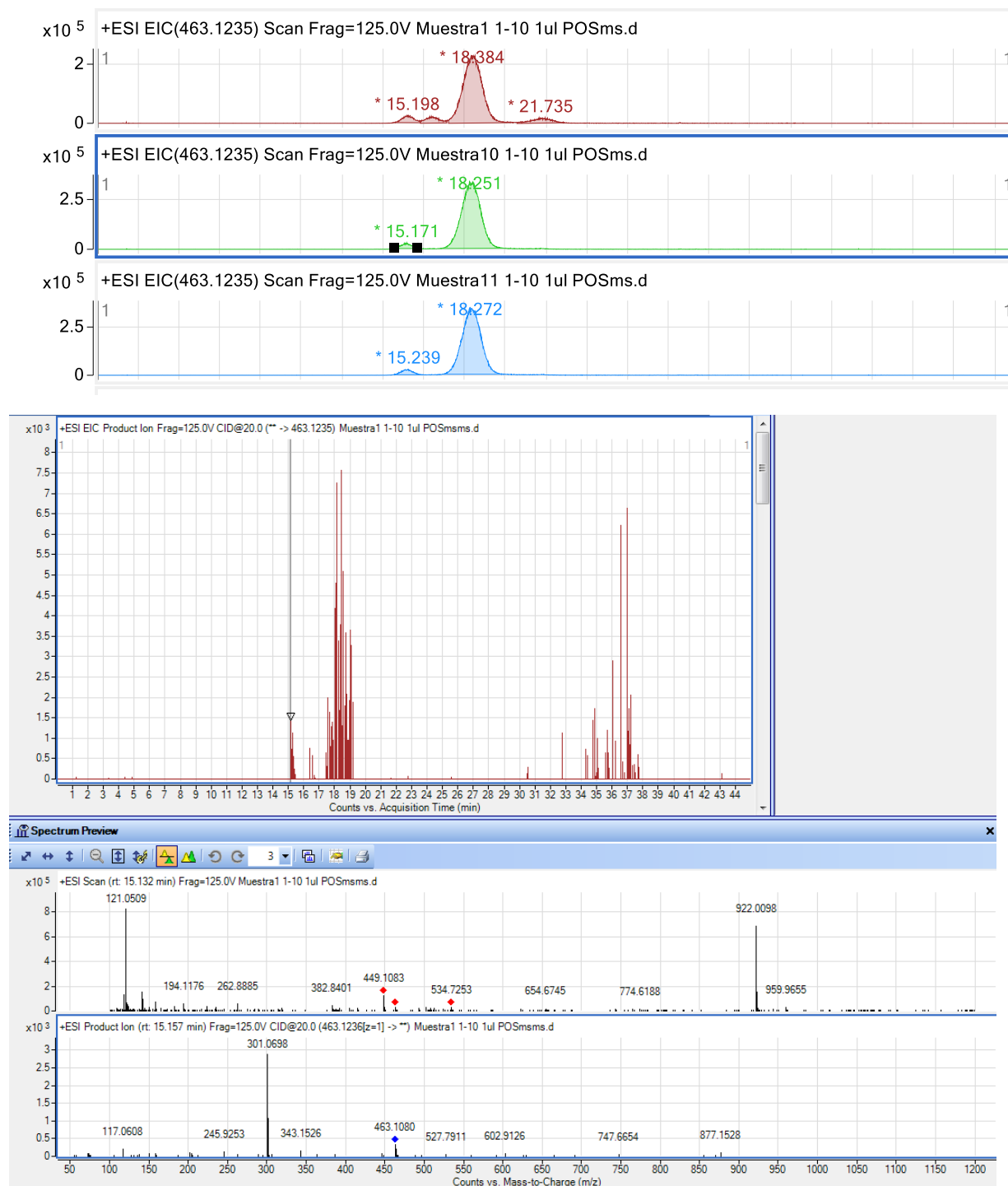


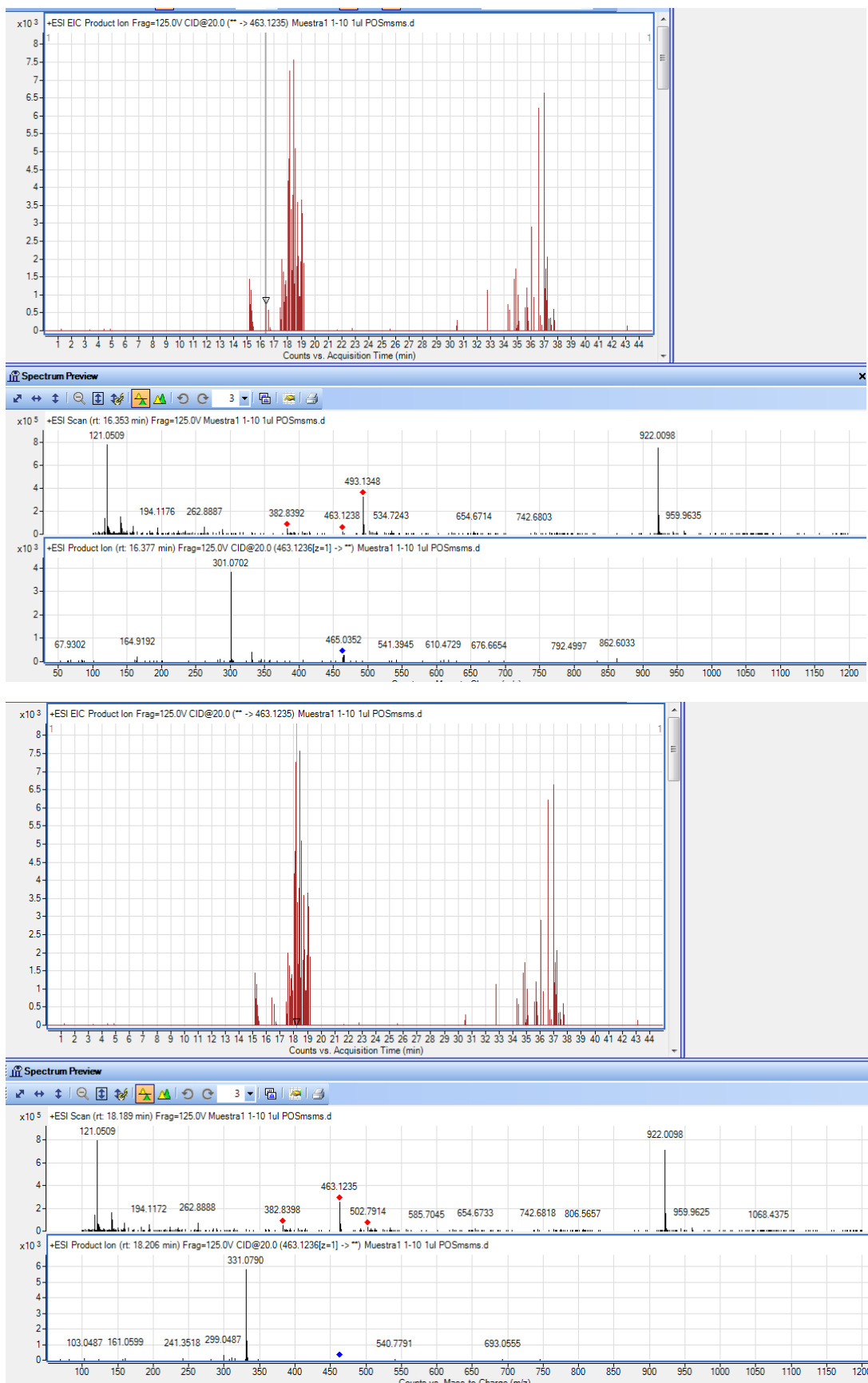


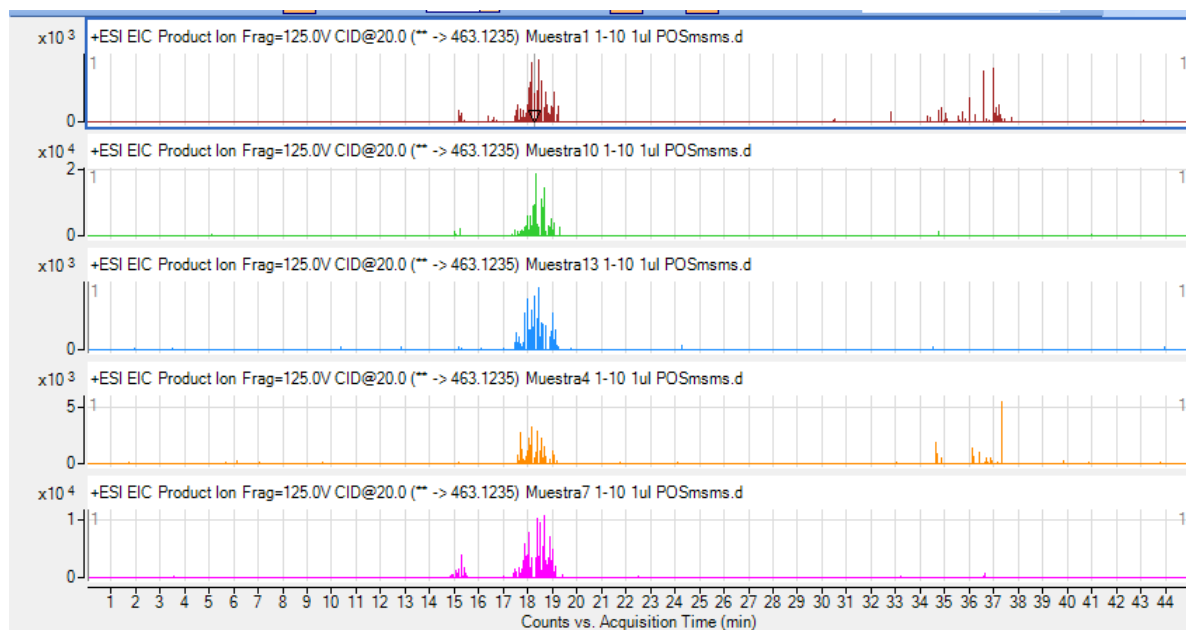
DELPHINIDIN 3-ARABINOSIDE (435.0922) AND 3-PYRANOSIDE (465.1028) IN SAMPLES



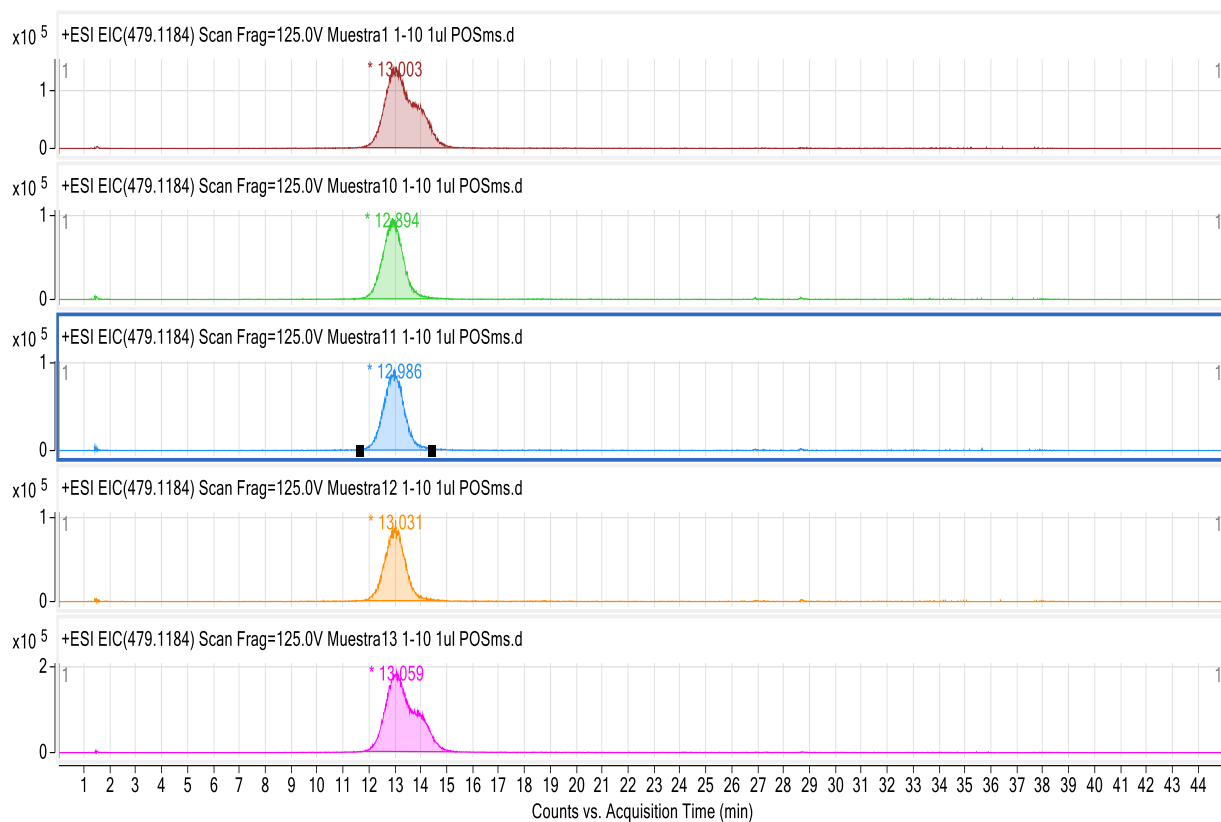
MALVIDIN-3-ARABINOSIDE (463.1235) AND PEONIDIN 3-PYRANOSIDE (463.1235) IN SAMPLES



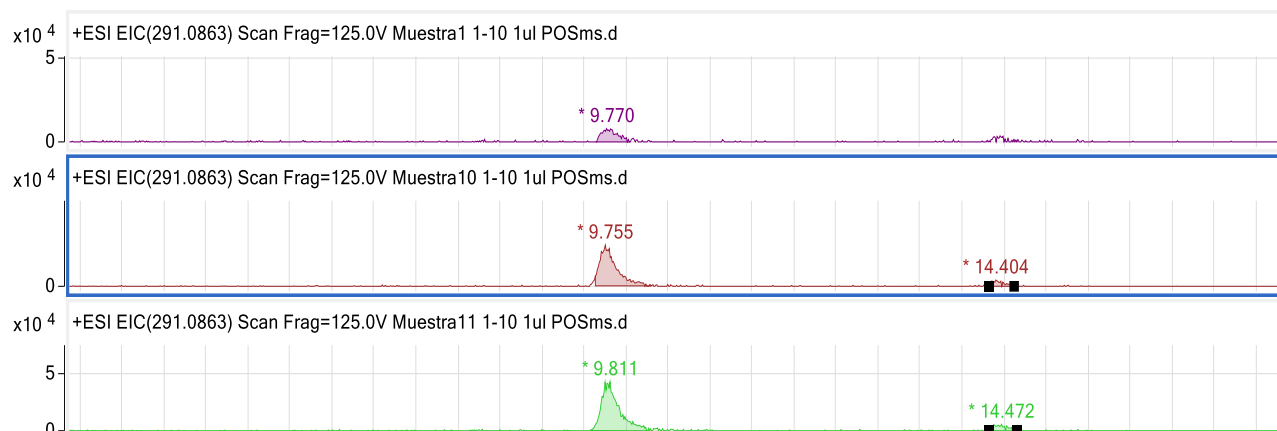




PETUNIDIN-3-PYRANOSIDE (479.1184) IN SAMPLES



CATECHIN/EPICATECHIN (291.0863) IN SAMPLES



CYANIDIN 3-ARABINOSIDE (419.0973) IN SAMPLES

