Certificate of Analysis

IROA TECHNOLOGIES
...making metabolic profiling easy®

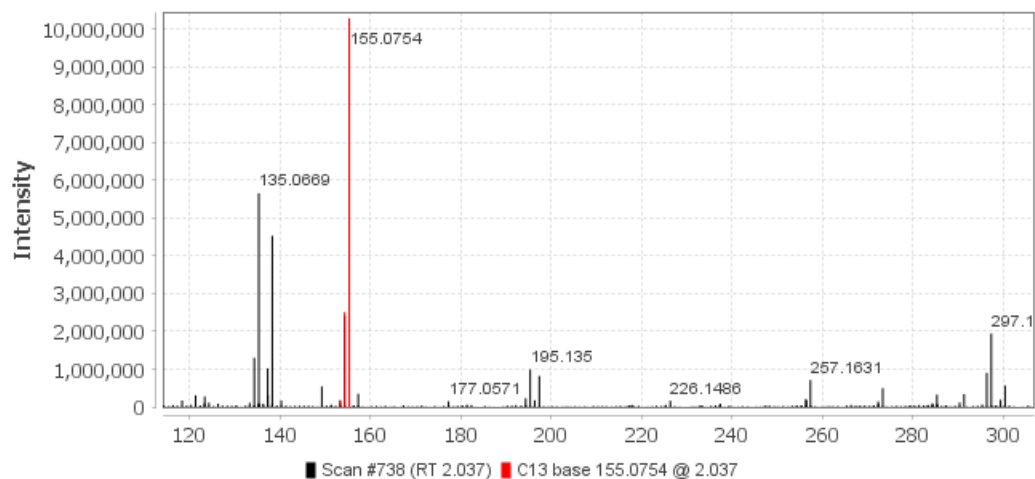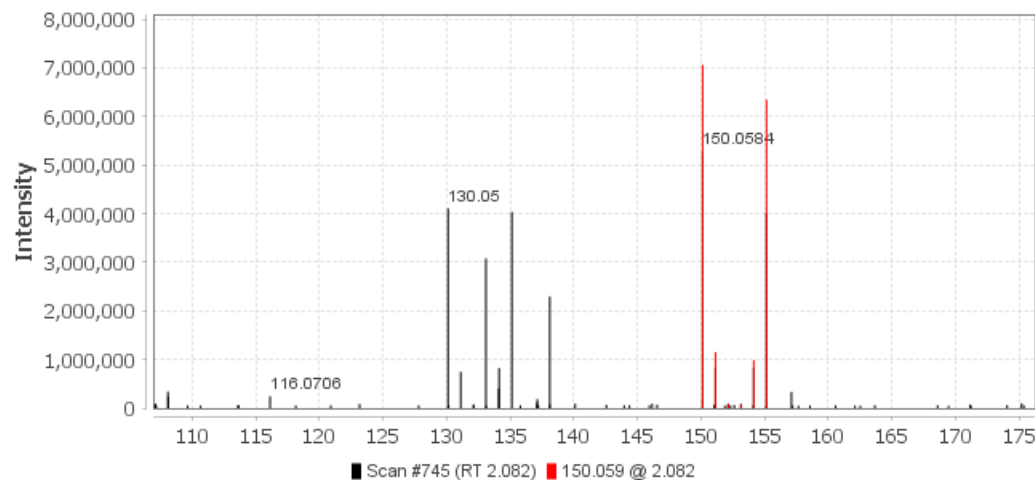|	
Product Name:	TruQuant Yeast Extract Semi-targeted QC Workflow Kit
Product Number:	WORKFLOW
Product Brand:	IROA TECHNOLOGIES
Materials:	3 vials each of:
	IROA Long Term Reference Standard (IROA-LTRS) - 1:1 ratio of 5% 13C-LABELED YEAST EXTRACT/95% 13C-LABELED YEAST EXTRACT, 20 micrograms each
	IROA Internal Standard (IROA-IS) - 95% 13C-LABELED YEAST EXTRACT, 600 micrograms
Recommended storage:	Store vials in dark place at -80 degrees C
Intended Use:	Designed to be a set of standards for the identification and/or quantification of metabolites. These internal standards can also be used for comparison of metabolomic measurements across time and laboratories.
LAST TESTED:	8/23/2022
EXPIRY DATE:	8/23/2027
TEST:	RPLC-UHMS Data

LOT 230-18 RESULTS

RPLC mobile phase A (MPA; weak): water containing 10 mM ammonium acetate and 0.1% formic acid, and mobile phase B (MPB; strong): methanol containing 10 mM ammonium acetate and 0.1% formic acid. Stationary phase: Phenomenex Kinetex C18 column (2.6 µm particle size, 100 Å, 150 x 2.1 mm) with column compartment kept at 40°C. Ultra-high resolution mass spectrometry: Thermo Scientific Orbitrap Fusion Lumos Tribrid mass spectrometer was operated in full scan mode using a scan range of 70-1,400 *m/z* and a resolution of 240,000. Figure showing IROA-IS scan #738; methionine in red.

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