

Compounds Identified

Generated: 16-Apr-2025

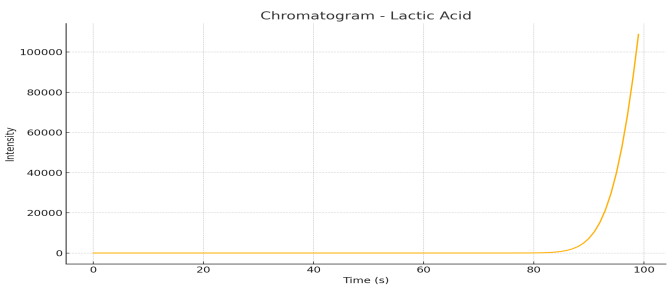


Kapelczak

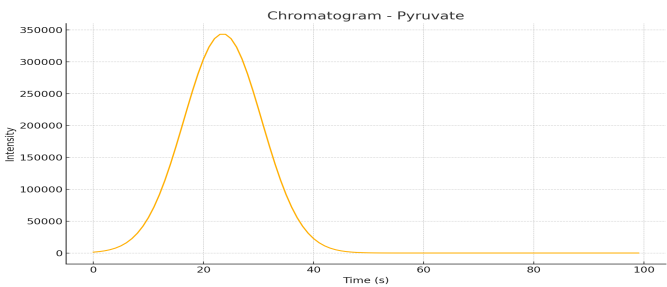
Researcher: Eddy Kapelczak | Project: Metabolomics Exploration

Lactic Acid & Pyruvate

Lactic Acid
Formula: C₃H₆O₃
m/z: 89.024, RT: 5.476 min
Area: 329258, Ratio: 0.590

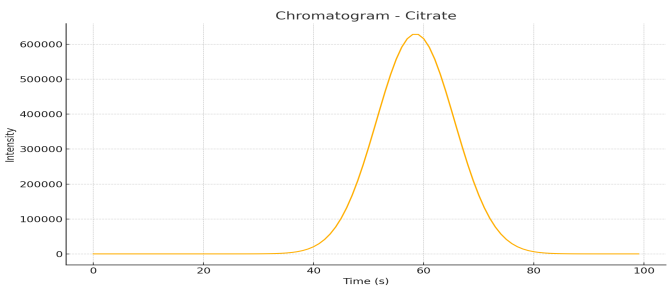


Pyruvate
Formula: C₃H₄O₃
m/z: 87.008, RT: 1.175 min
Area: 343962, Ratio: 0.298

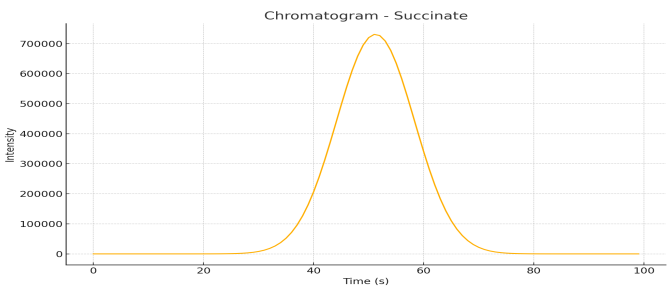


Citrate & Succinate

Citrate
Formula: C₆H₈O₇
m/z: 191.02, RT: 2.925 min
Area: 629903, Ratio: 0.630

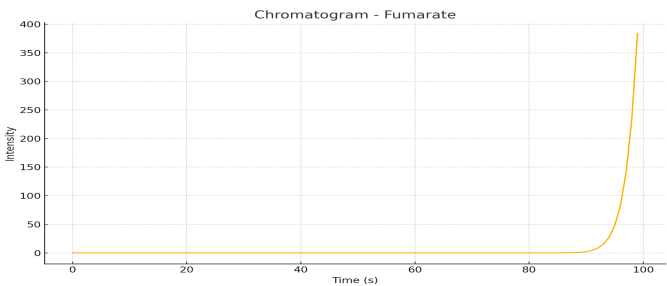


Succinate
Formula: C₄H₆O₄
m/z: 117.019, RT: 2.562 min
Area: 731262, Ratio: 0.828

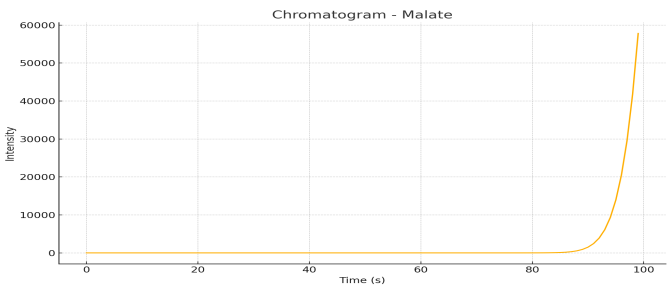


Fumarate & Malate

Fumarate
Formula: C₄H₄O₄
m/z: 115.003, RT: 6.155 min
Area: 127824, Ratio: 0.106



Malate
Formula: C₄H₆O₅
m/z: 133.013, RT: 5.737 min
Area: 688508, Ratio: 0.825



Compounds Identified

Generated: 16-Apr-2025

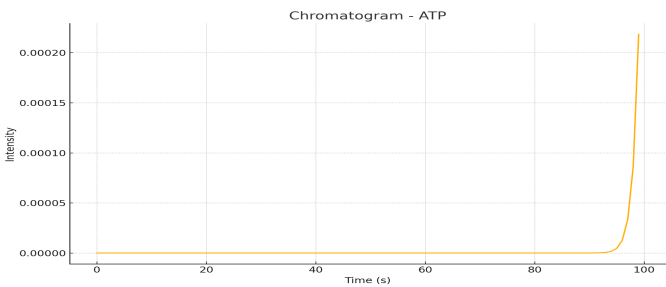


Kapelczak

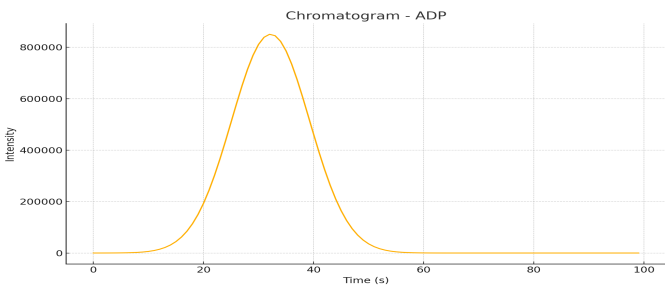
Researcher: Eddy Kapelczak | Project: Metabolomics Exploration

ATP & ADP

ATP
Formula: C10H16N5O13P3
m/z: 506.995, RT: 7.245 min
Area: 308496, Ratio: 0.728

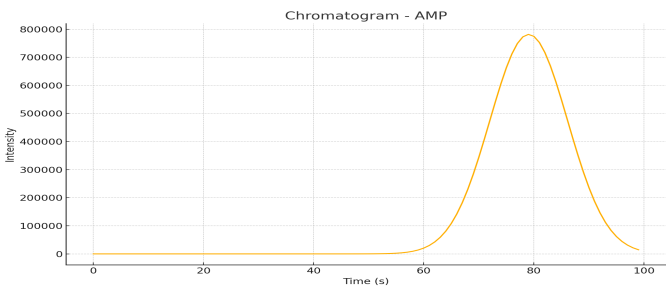


ADP
Formula: C10H15N5O10P2
m/z: 426.02, RT: 1.609 min
Area: 850800, Ratio: 0.406

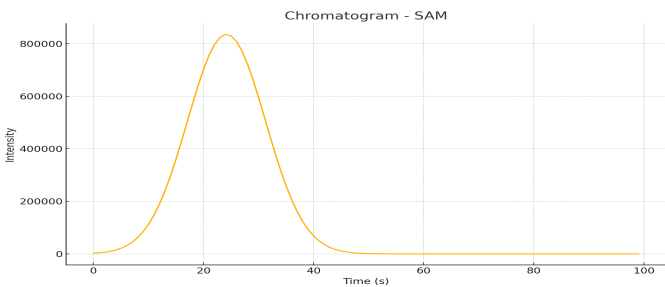


AMP & SAM

AMP
Formula: C10H14N5O7P
m/z: 346.055, RT: 3.953 min
Area: 781453, Ratio: 0.240



SAM
Formula: C15H22N6O5S
m/z: 399.13, RT: 1.209 min
Area: 835392, Ratio: 0.961



Compounds Identified

Generated: 16-Apr-2025



Kapelczak

Researcher: Eddy Kapelczak | Project: Metabolomics Exploration

Summary Table of All Detected Metabolites

Metabolite	Formula	m/z	RT (min)	Area	Ratio
Lactic Acid	C3H6O3	89.024	5.476	329258	0.59
Pyruvate	C3H4O3	87.008	1.175	343962	0.298
Citrate	C6H8O7	191.02	2.925	629903	0.63
Succinate	C4H6O4	117.019	2.562	731262	0.828
Fumarate	C4H4O4	115.003	6.155	127824	0.106
Malate	C4H6O5	133.013	5.737	688508	0.825
ATP	C10H16N5O13P3	506.995	7.245	308496	0.728
ADP	C10H15N5O10P2	426.02	1.609	850800	0.406
AMP	C10H14N5O7P	346.055	3.953	781453	0.24
SAM	C15H22N6O5S	399.13	1.209	835392	0.961