

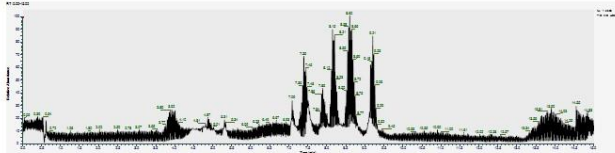
Chromatograms for the paper submitted to MDPI cancers

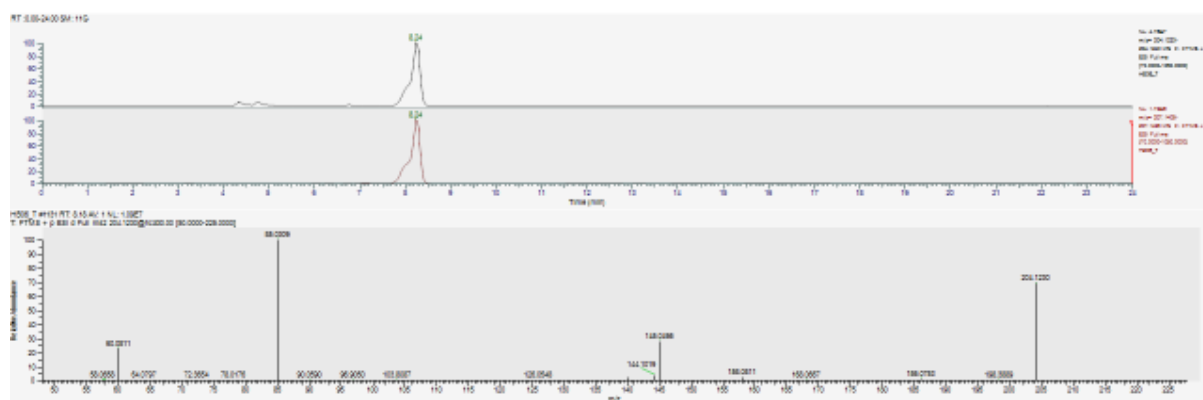
Characterisation of aberrant metabolic pathways in hepatoblastoma using liquid chromatography and tandem mass spectrometry (LC-MS/MS)

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Total Ion Chromatograms (posneg)

Untargeted metabolomics (ZIC-pHILIC 15 minute method)

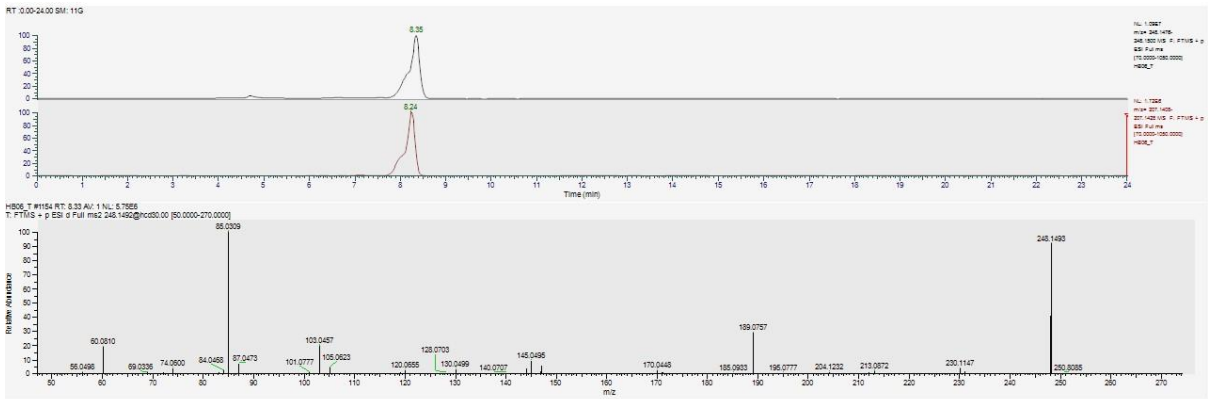




Hydroxybutyrylcarnitine
(using the acetylcarnitine IS for quantification)

Top: Metabolite in sample HB06_T
Bottom: Internal standard (IS) of acetylcarnitine in HB06_T

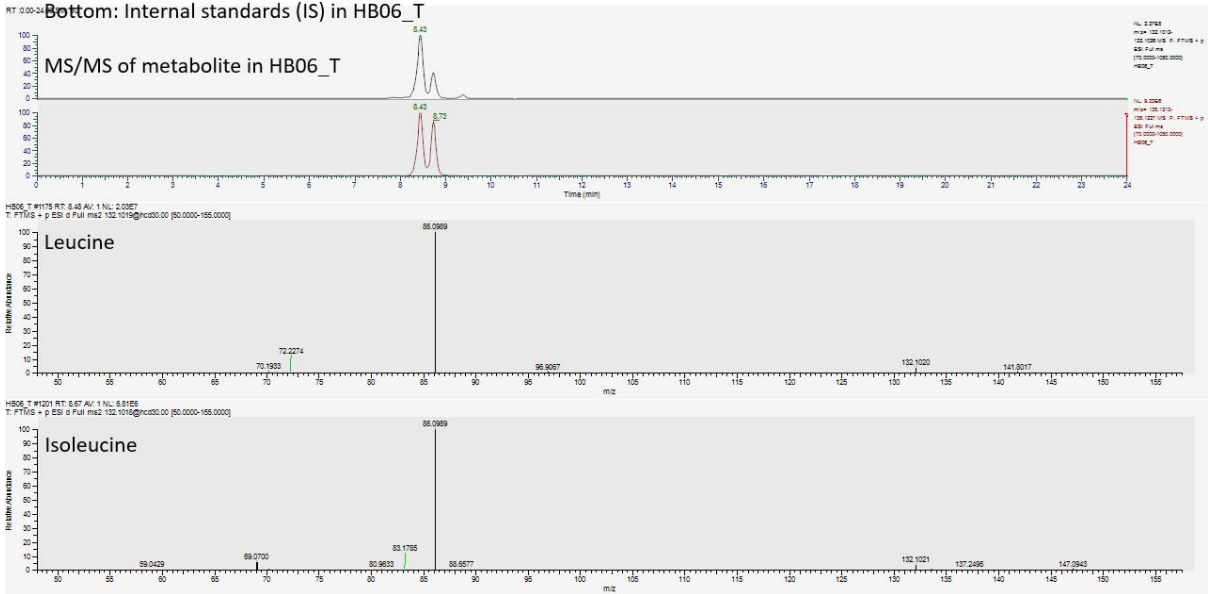
MS/MS of metabolite in HB06_T



Leucine at 8.43 min, isoleucine at 8.73 min

Top: Metabolites in sample HB06_T
Bottom: Internal standards (IS) in HB06_T

MS/MS of metabolite in HB06_T



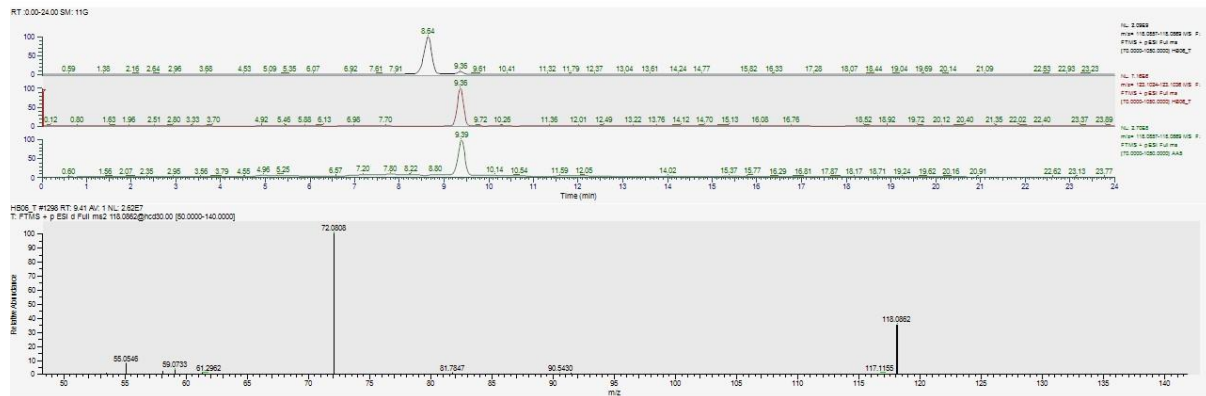
Valine

Top: Metabolite in sample HB06_T

Middle: Internal standard (IS) in HB06_T

Bottom: Standard of valine in calibration curve level 5

MS/MS of metabolite in HB06_T

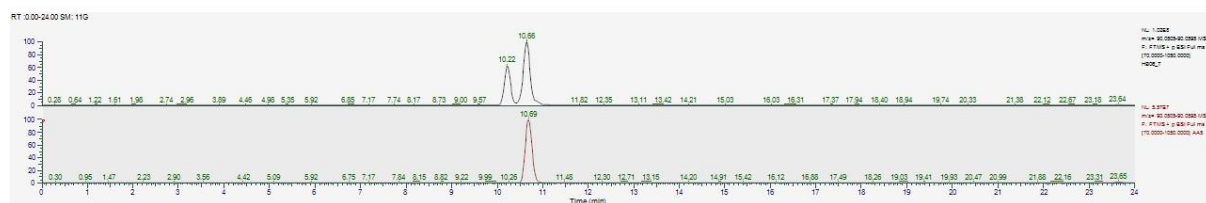


Alanine

Top: Metabolite in sample HB06_T

Bottom: Standard of alanine in calibration curve level 5

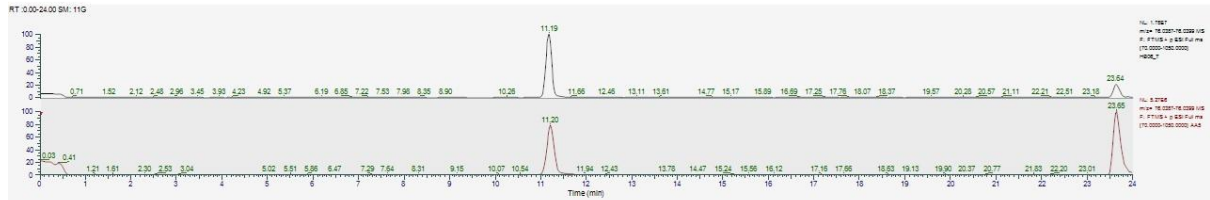
(Valine IS was used)



Glycine

Top: Metabolite in sample HB06_T

Bottom: Standard of glycine in calibration curve level 5
(Valine IS was used)

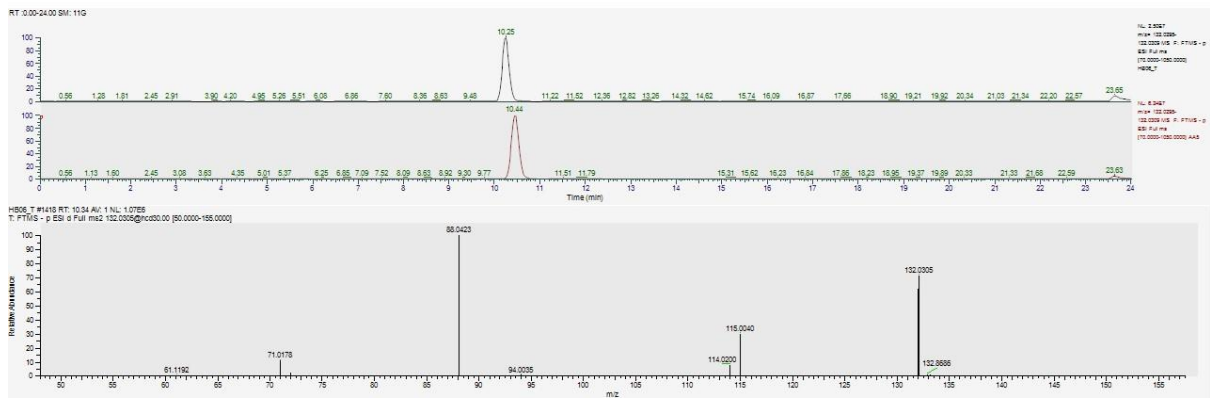


Aspartate

Top: Metabolite in sample HB06_T

Bottom: Standard of aspartate in calibration curve level 5
(Valine IS was used)

MS/MS of metabolite in HB06_T



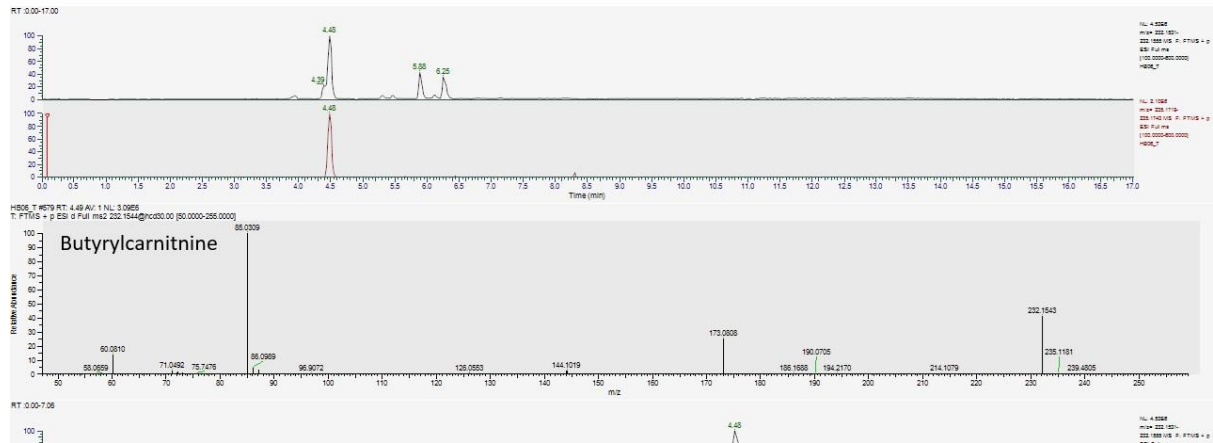
C18

Isobutyrylcarnitine at 4.39 min, butyrylcarnitine (O-butanoylcarnitine) at 4.48 min

Top: Metabolites in sample HB06_T

Bottom: Internal standard (IS) of D3-butyrylcarnitine in HB06_T

MS/MS of butyrylcarnitine metabolite in HB06_T

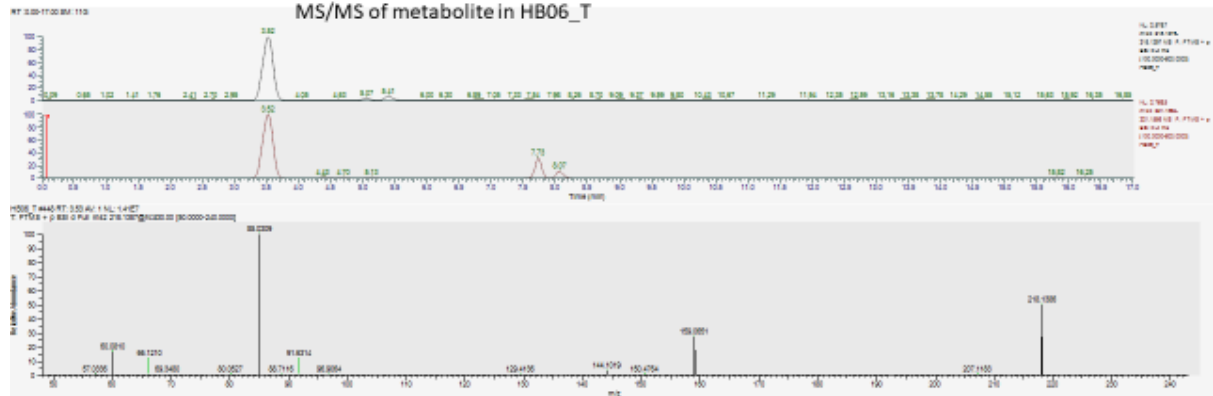


Propionylcarnitine

Top: Metabolite in sample HB06_T

Bottom: Internal standard (IS) in HB06_T

MS/MS of metabolite in HB06_T



2-Methylbutyrylcarnitine at 5.27 min, isovalerylcarnitine at 5.47 min

Top: Total of isovalerylcarnitine and 2-methylbutyrylcarnitine metabolites as entire smoothed peak in sample HB06_T

Middle: Metabolites in sample HB06_T

Bottom: Internal standard (IS) of D9-C5-Isovalerylcarnitine in HB06_T

