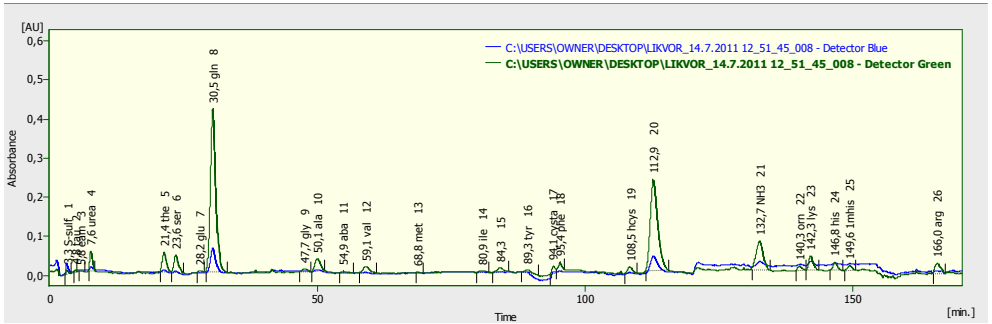


Amino Acid Analyzer AAA500

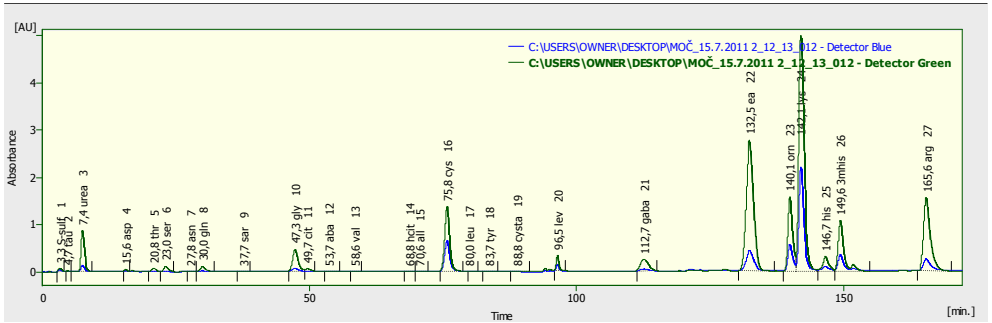
Determination of physiological amino acid (body fluids and food)

chromatographic conditions:
Ion-exchange chromatography with postcolumn derivatization of ninhydrine
Precolumn: OSTION KS 0804
Column: AAA8 4.0x150 8µm, PEEK
Eluents: lithium-citrate buffers, 0.3 M LiOH
Flow rate: Pump 1: 0.33 ml/min, Pump 2: 0.22 ml/min
Detection: VIS 440 nm / 570 nm
Injection: 100 µml

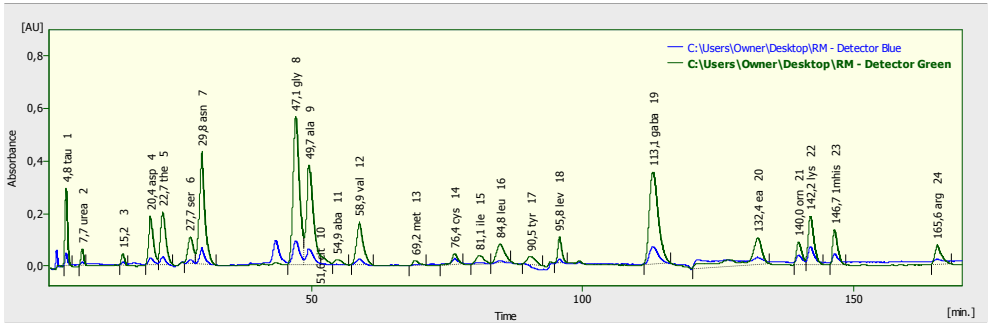
amino acid standard content (see next page):
Sulphocysteine, Taurine, Phosphoethanolamine, Urea, Aspartic Acid, 4-Hydroxy-proline, Threonine, Serine, Asparagine, Glutamic Acid, Glutamine, Sarcosine, 2-Aminoadipic acid, Proline, Glycine, Alanine, Citrulline, 2-Aminobutyric acid, Valine, Pimecolic acid, Methionine, Homocitruline, Alloisoleucine, Cystine, Saccharopine, Isoleucine, Leucine, Cystathionine, Tyrosine, Phenylalanine, β-Alanine, 5-aminolevulic acid, 2-Aminoisobutyric acid, Homocysteine, Argininosuccinic acid, γ-Aminobutyric acid, Ethanolamine, Tryptophan, NH3, Ornithine, Lysine, Histidine, 1-Methylhistidine, 3-Methylhistidine, Arginine



cerebrospinal fluid sample

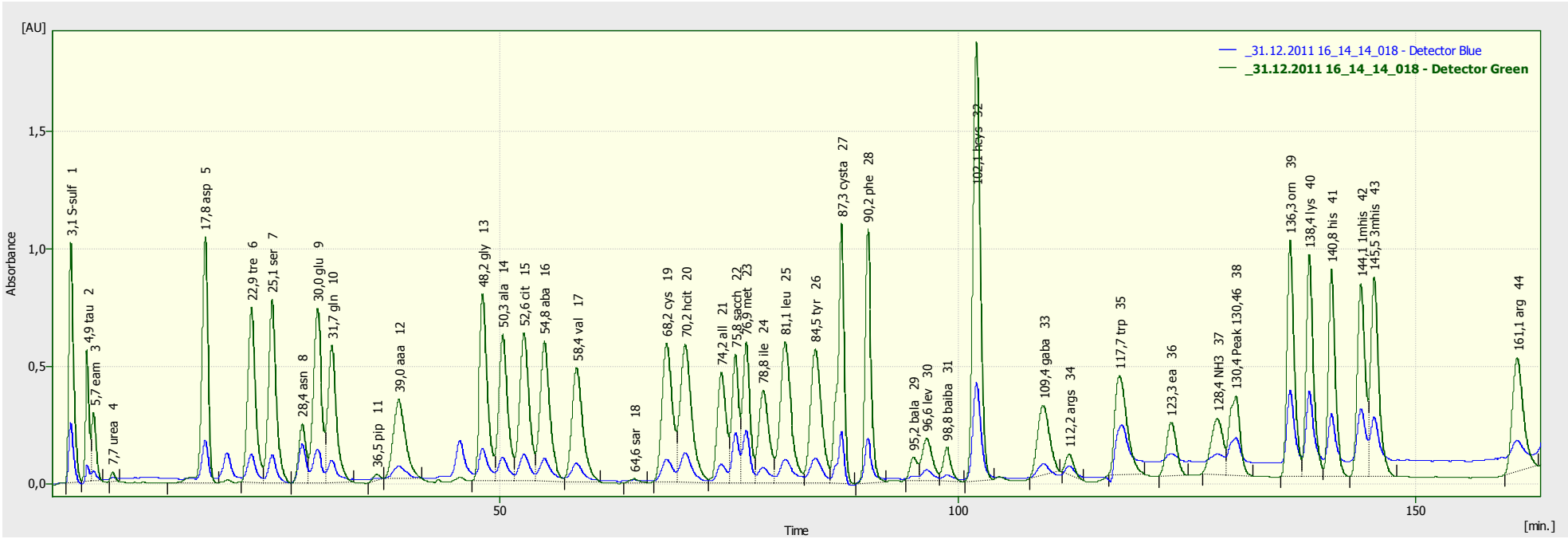


urine sample



serum sample

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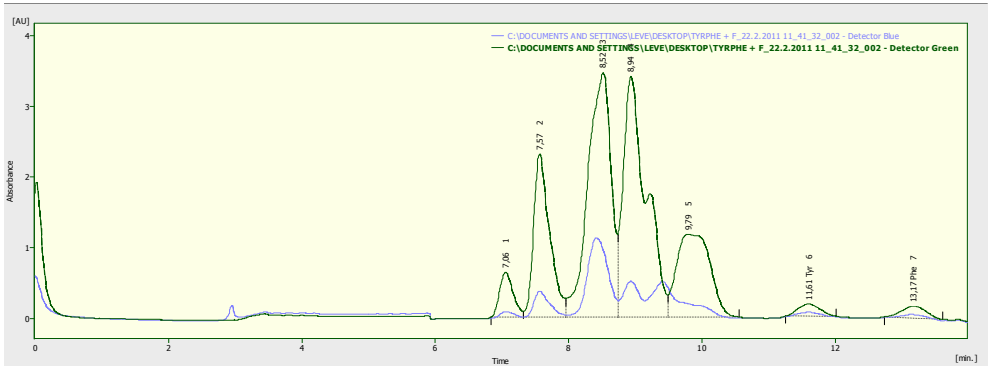


amino acid standard 250 nmol/ml

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Determination of Tyrosine and Phenylalanine (body fluids)

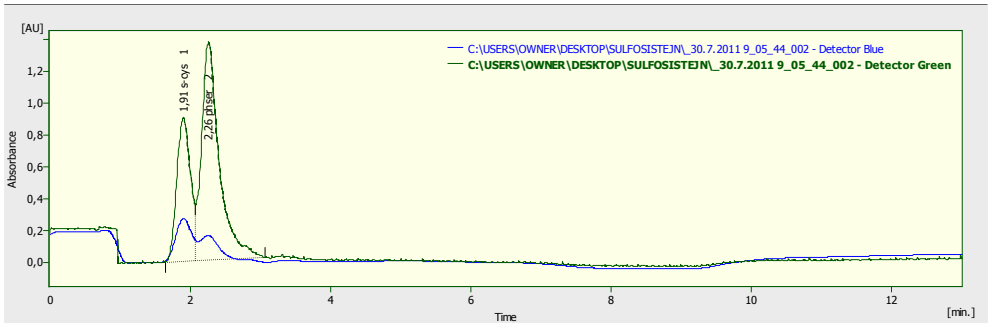
chromatographic conditions:
Ion-exchange chromatography with postcolumn derivatization of ninhydrine
Precolumn: OSTION KS 0804
Column: AAA8 4.0x150 8µm, PEEK
Eluents: lithium-citrate buffers, 0.3 M LiOH
Flow rate: Pump 1: 0.5 ml/min, Pump 2: 0.33 ml/min
Detection: VIS 440 nm / 570 nm
Injection: 100 µml



amino acid standard 250 nmol/ml

Determination of Sulphocysteine and Phosphoserine (body fluids)

chromatographic conditions:
Ion-exchange chromatography with postcolumn derivatization of ninhydrine
Precolumn: OSTION KS 0804
Column: AAA8 4.0x150 8µm, PEEK
Eluents: lithium-citrate buffers, 0.3 M LiOH
Flow rate: Pump 1: 0.6 ml/min, Pump 2: 0.4 ml/min
Detection: VIS 440 nm / 570 nm
Injection: 100 µml



amino acid standard 250 nmol/ml

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