

1. Analytical conditions

Solvents: A: Water + 0.1% Formic acid
B: Acetonitrile

HPLC Column: Onyx Monolithic C18 50x2mm

Flow rate: 0.6mL/min to 1.2mL/min

Injection mode: Liquid

Injection volume: 5µL

Concentration: 1mg/mL

Detection: MS TIC = 100-1200m/z

Mass XIC1: 634,4m/z

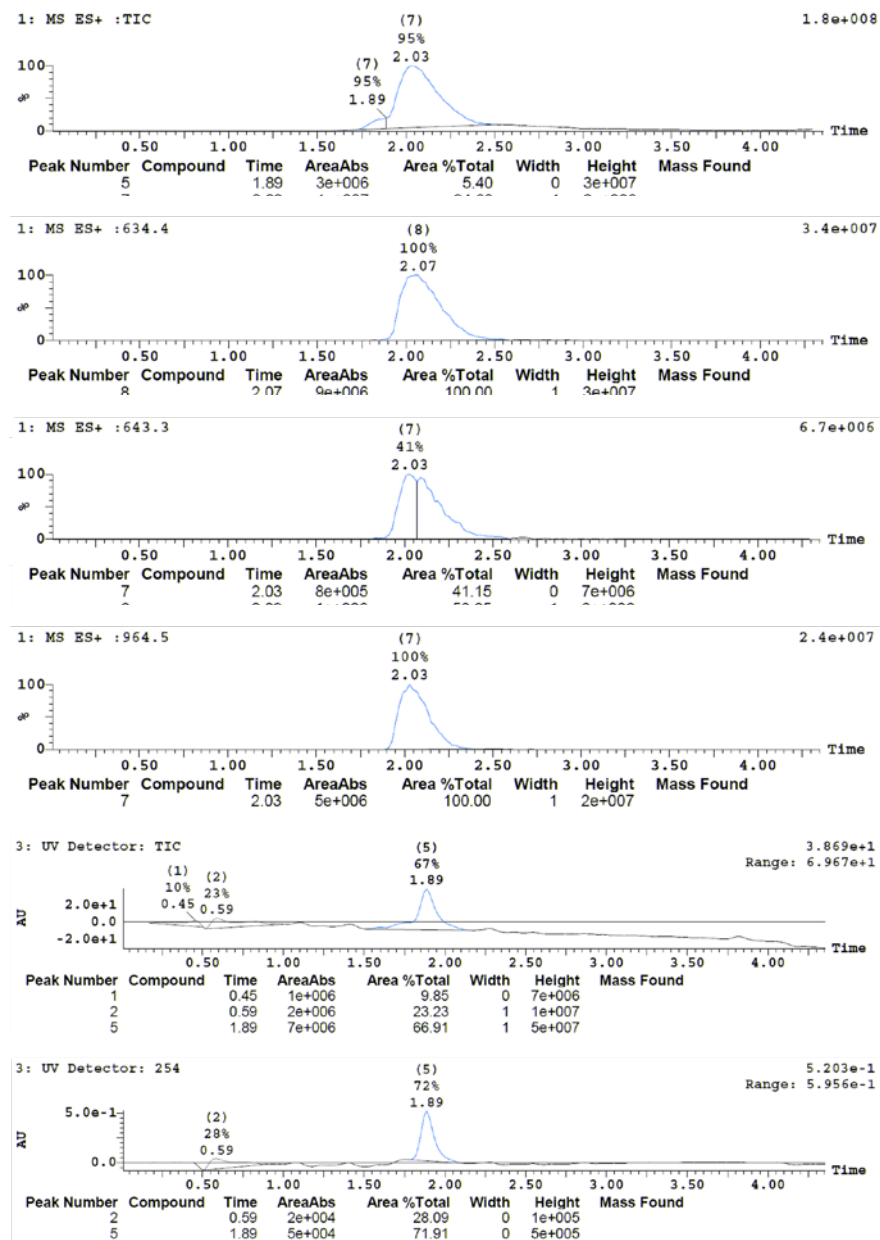
Mass XIC2: 643,3m/z

Mass XIC3: 964,5m/z

UV: 254nm

Elution conditions:

t (min)	A (%)	B (%)
00:00	95	5
03:48	0	100
03:49	0	100
04:00	0	100
04:04	95	5
04:12	95	5
04:18	95	5



2. Direct mass injection of crude sample

Source type: ESI

Mode: Positif

Capillary temperature: 200°C

Capillary voltage: 160V

Source voltage offset: 30V

Source voltage span: 5V

Source gas temperature: 250°C

ESI Voltage: 3500V

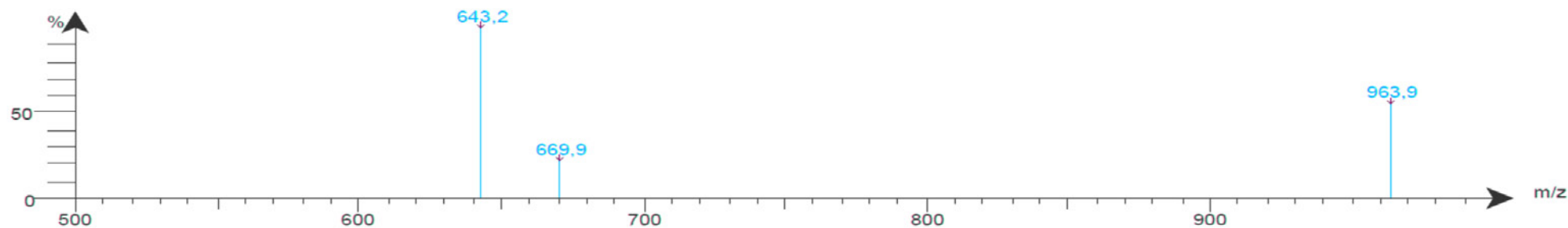
Mass of the spectrum: 643.2 [M + 2H⁺]/2

669.9 [M + 3H⁺]/3

963.9 [M - N₂ + 3H⁺]/3

Intensity

Spectrum RT 0,21 - 0,25 {3 scans}
peptide3_is1.datx ;
ESI + Max: 6E7



3. Prep conditions

Device: puriFlash® 5.250P + MS

Solvents: A: Water + 0.1% FA

B: Acetonitrile

Column: PFB5C18T-150/212

Flow rate: 16mL/min

Injection mode: Liquid

Injection volume: 1mL

Concentration: 25mg/mL

Crude sample: 25mg

Detection: UV 214nm (Purple),

UV 254nm (Green)

Mass XIC 644m/z (Orange),

Mass XIC 964m/z (Blue)

MS split parameters

Valve rotation: 0.5s

Make-up flow-rate: 0.5mL/min

Dilution flow-rate: 0.5mL/min

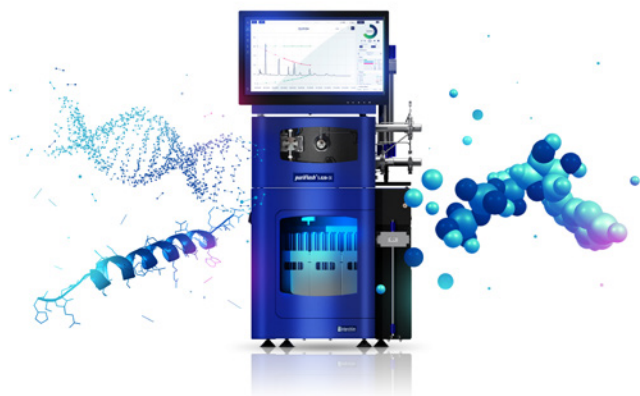
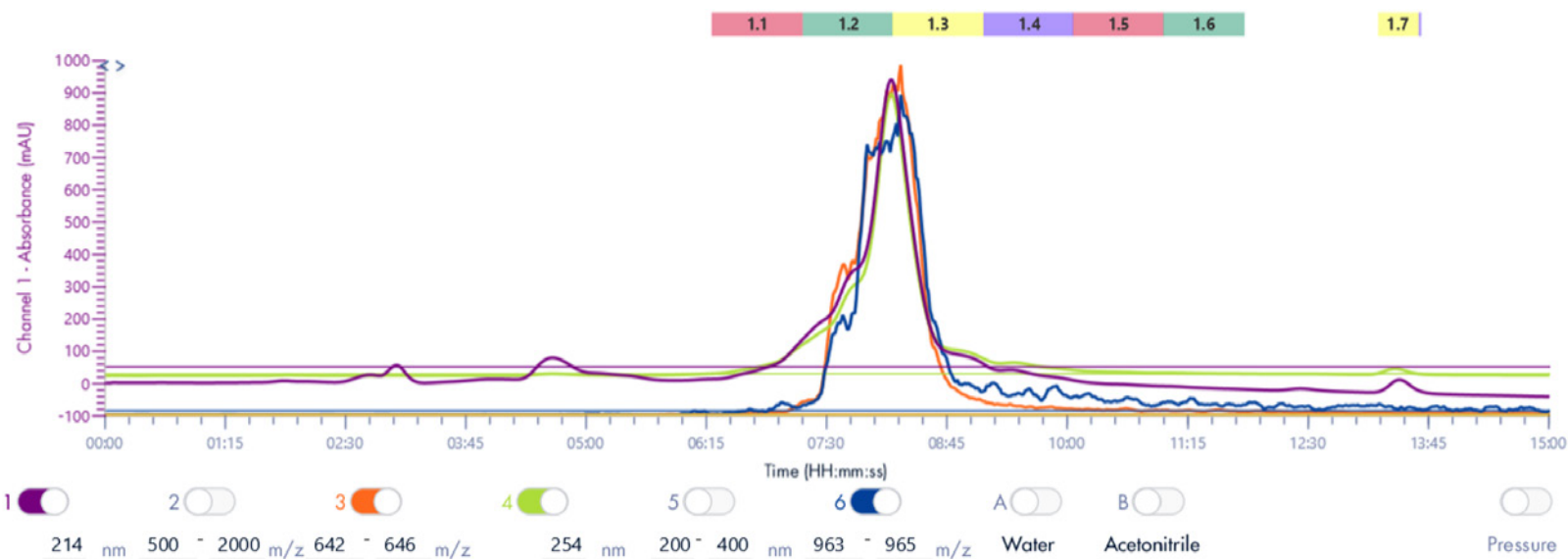
Solvents for make-up and dilution:

Acetonitrile + 0.1%FA

Pressure: 60bar

Elution conditions:

t (min)	A (%)	B (%)
00:00	95	5
20:00	0	100



To achieve this purification:

You will need

- puriFlash® 5.250P
[Discover it](#) [Add to card](#)
- puriFlash® MS
[Discover it](#) [Add to card](#)
- puriFlash® column PFB5C18T-150/212
[Discover it](#) [Add to card](#)

We highly recommend

- Uptidisc PTFE 1,3mm 0,45µm PP syringe filter P00530 [Add to card](#)
- Manometer B4VBK0 [Add to card](#)
- Safety solvent caps kit BODANO [Add to card](#)