

Präsentation zum Besuch bei LONZA 2008



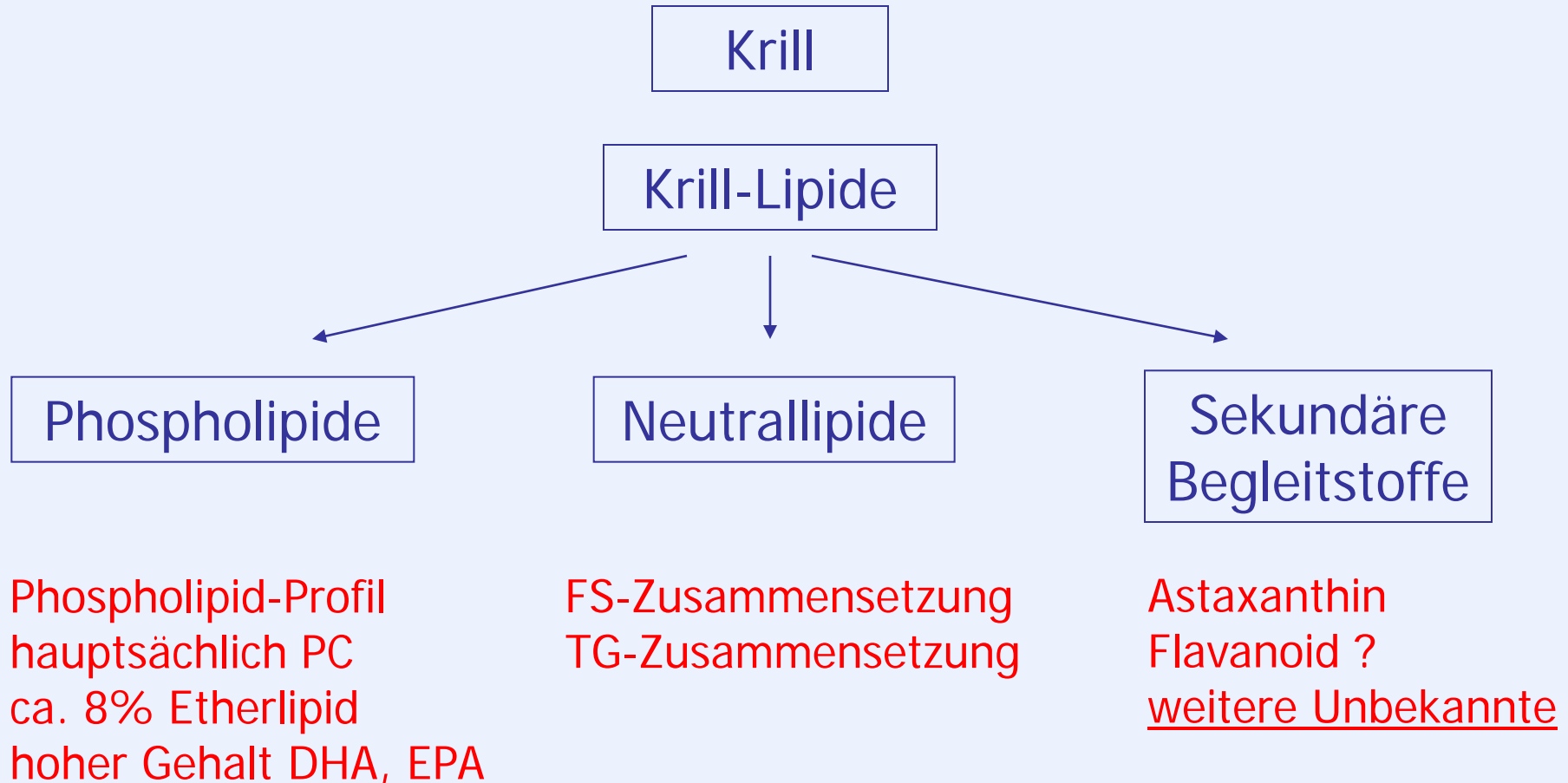
Technische Ausstattung:

- NMR 300 MHz BBI
600 MHz cryo-probe
- MS HPLC-MS/MS^x
HPLC-MS
GC-MS
- UV, FT-IR, DSC, phys.-chem. Parameter

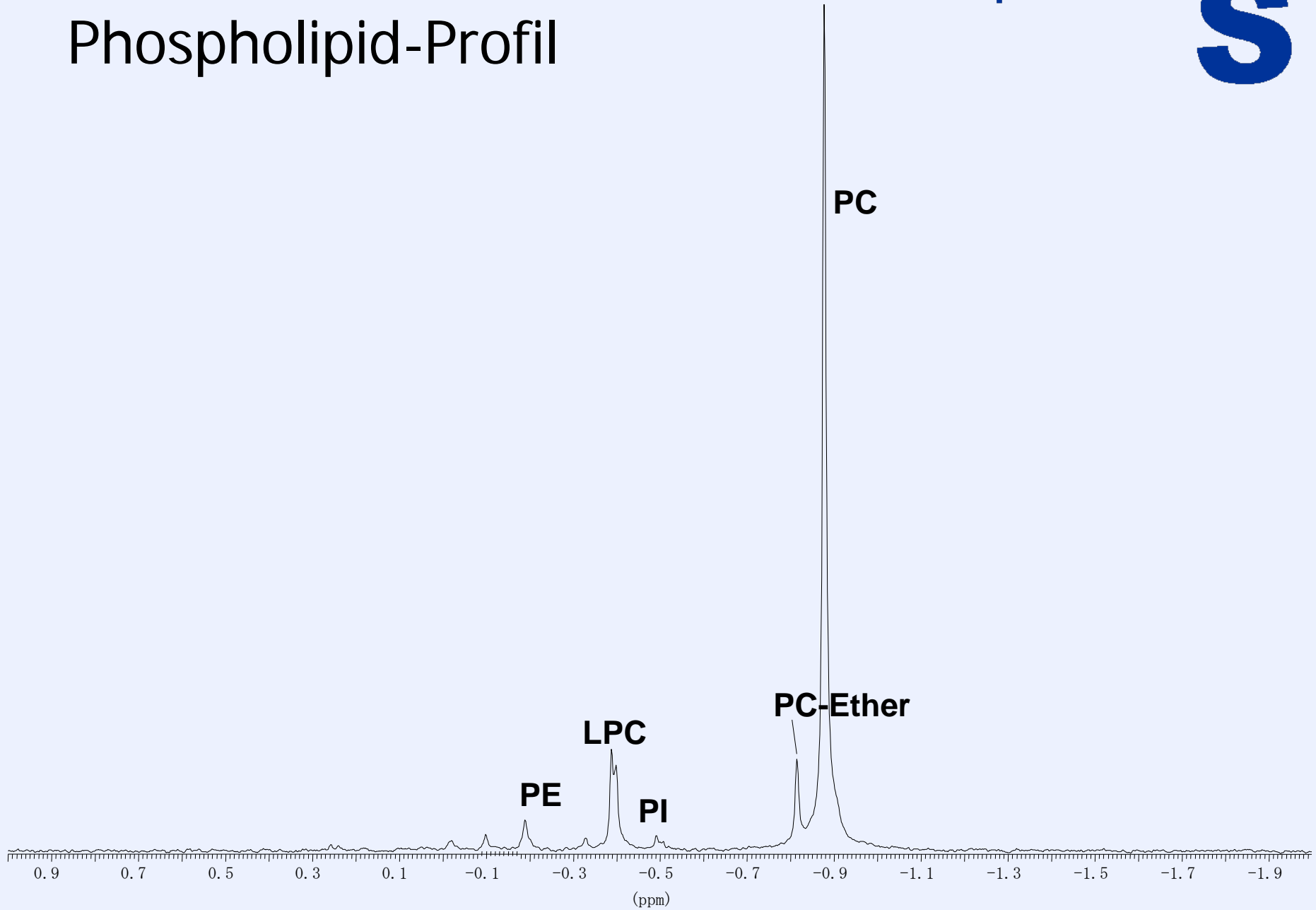
Arbeitsgebiete:

- Phospholipidanalytik;
- Pharmaanalytik nach GMP und GLP (Freigabeanalytik, Strukturaufklärung R&D, Qualitätskontrolle etc.)
- Pflanzenschutzmittel (5-BATCH-Analysen, Erstellung zulassungsrelevanter Daten)
- chemische Grundstoffe (Emulgatoren, Polymere etc.)
- Naturstoffe (Qualitätskontrolle von Aloe Vera, Noni, Lipide verschiedenster Herkunft)

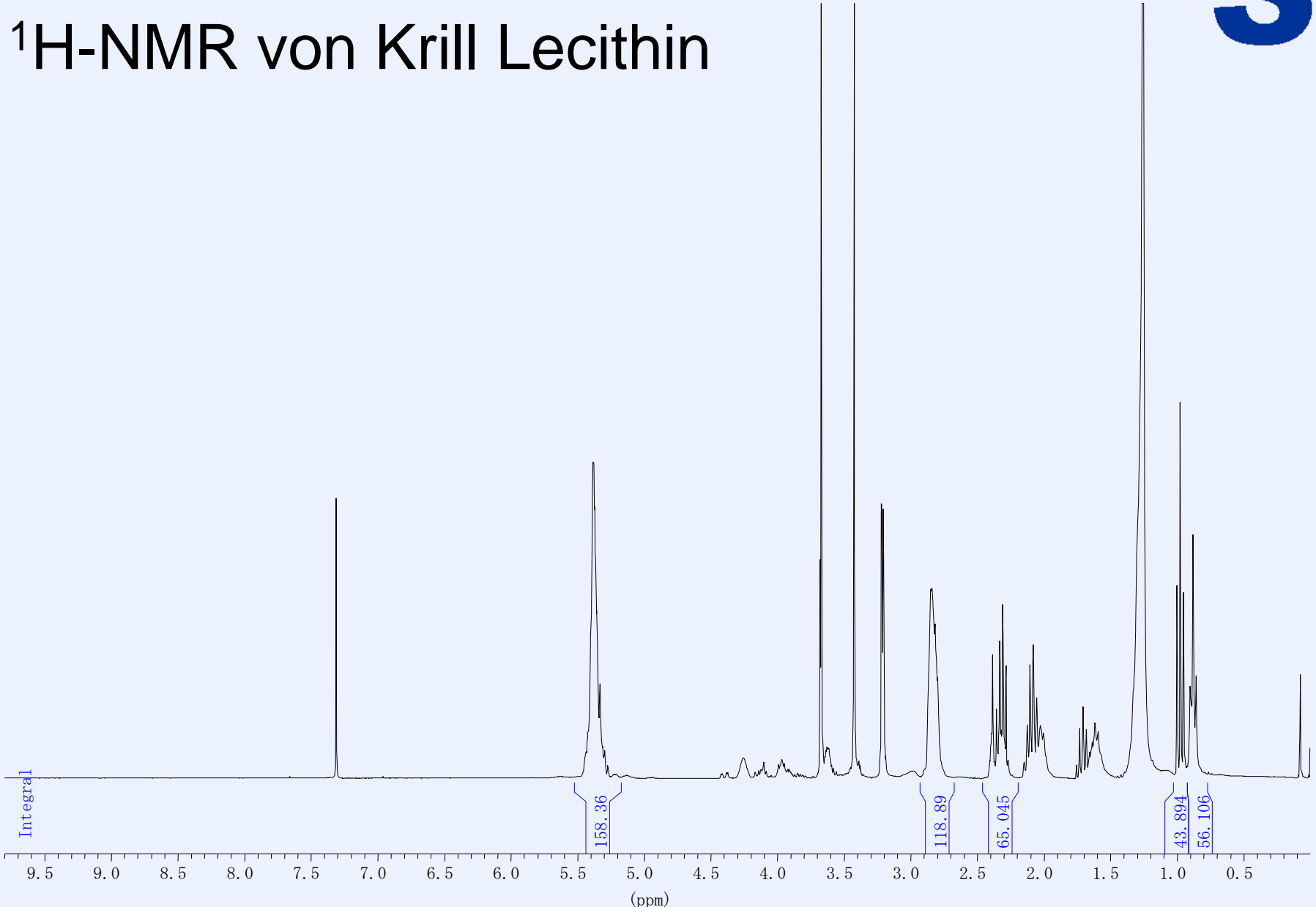
Zusammensetzung Krillöl



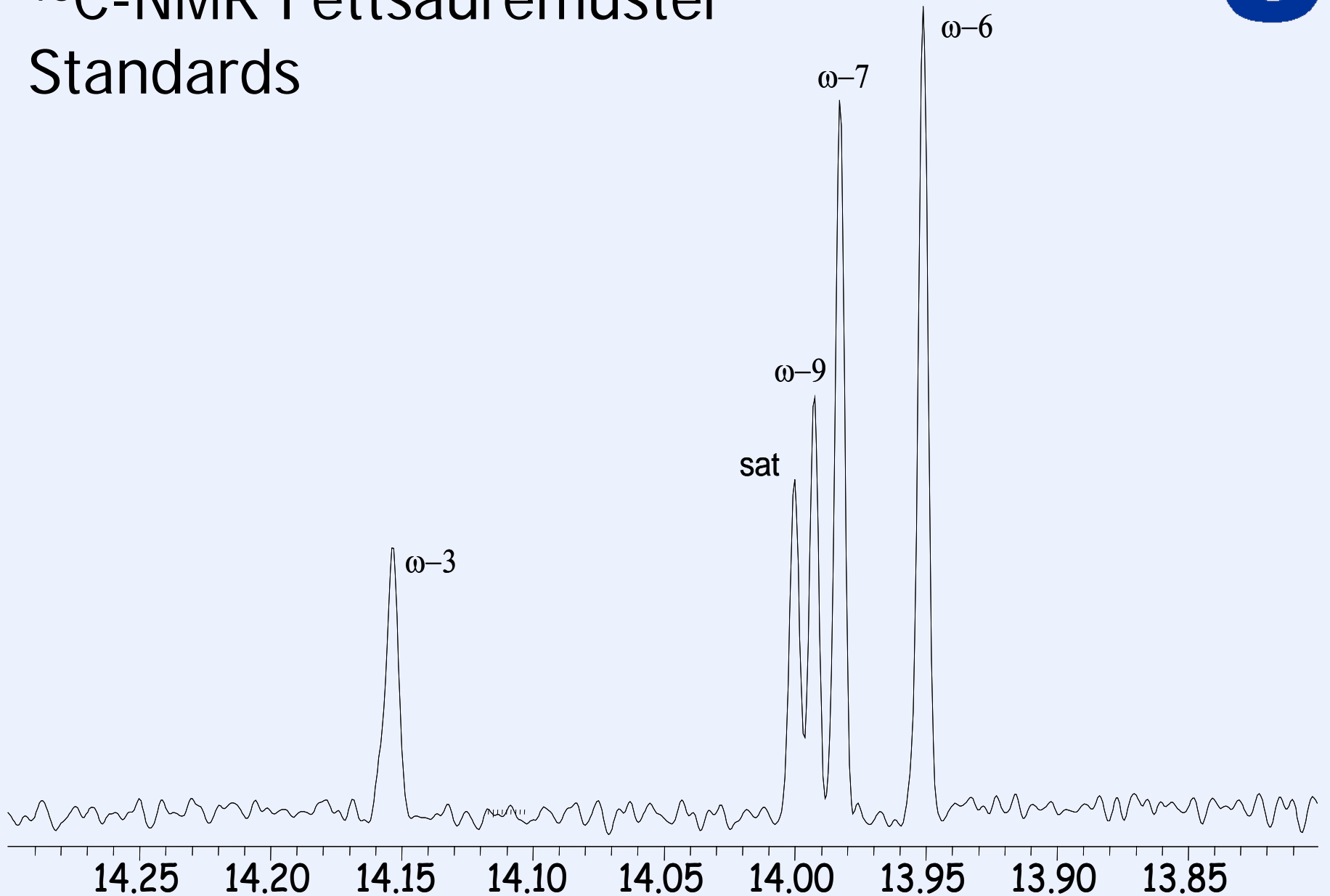
Phospholipid-Profil



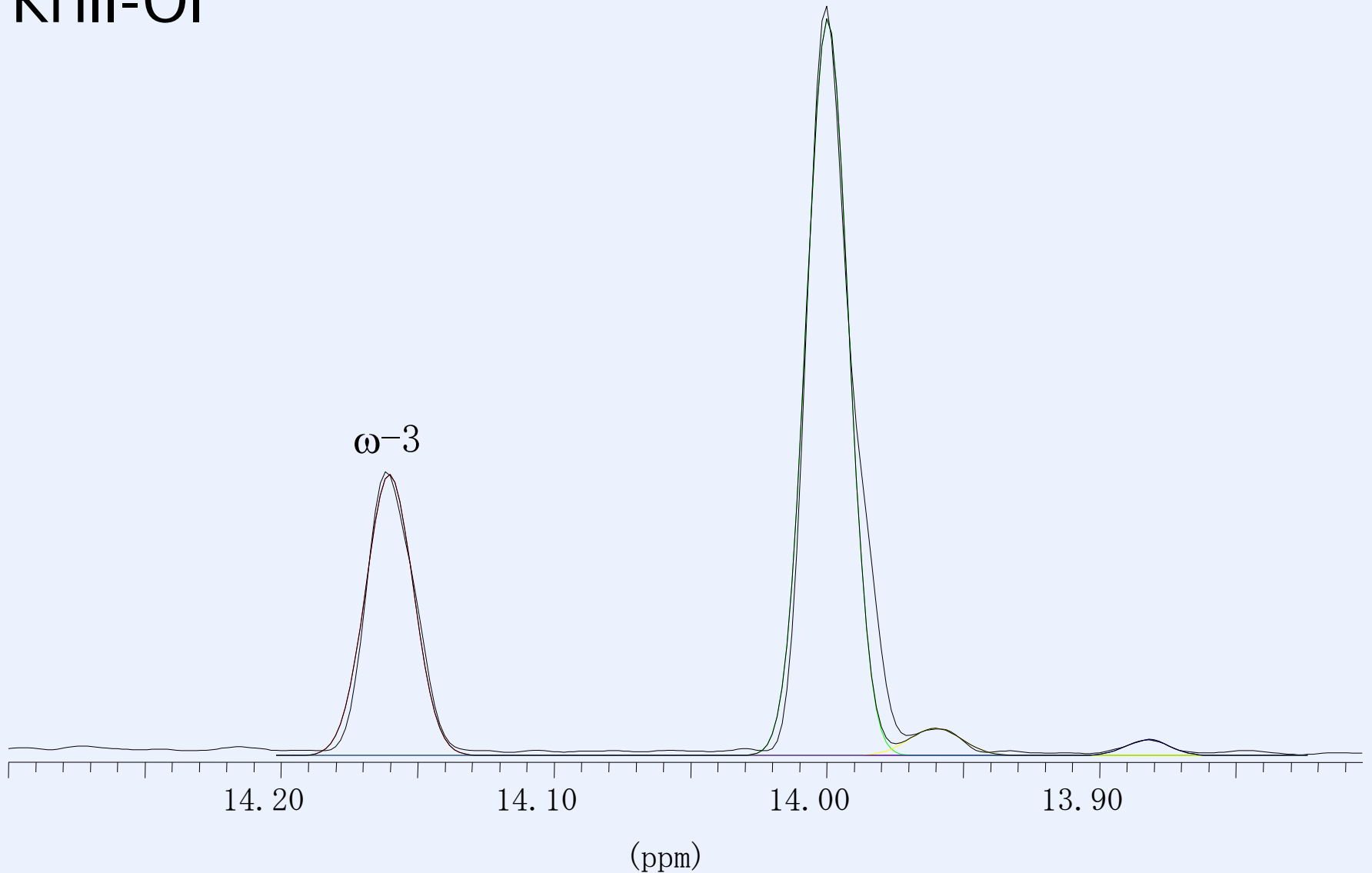
$^1\text{H-NMR}$ von Krill Lecithin



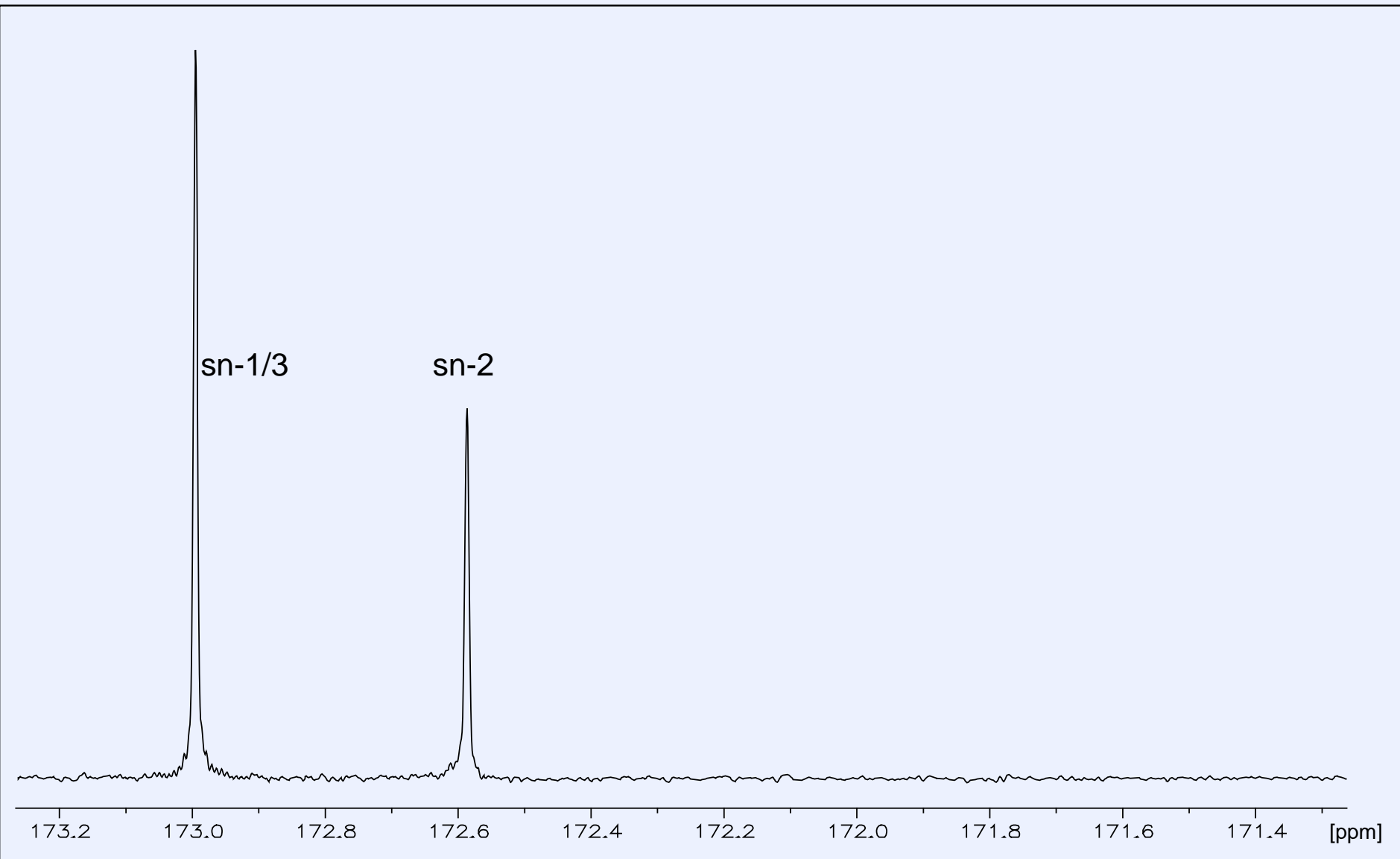
^{13}C -NMR Fettsäuremuster Standards



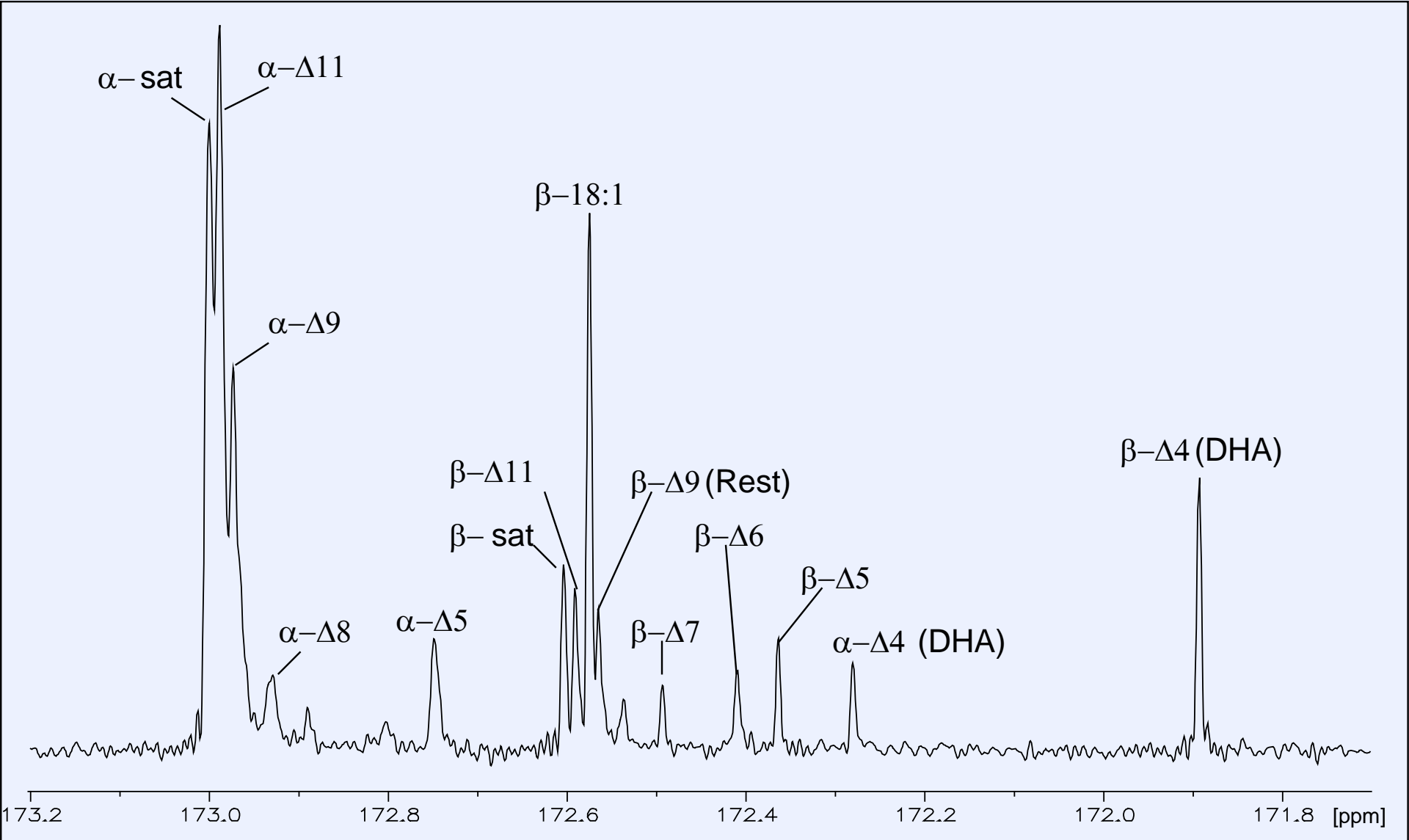
^{13}C -NMR Fettsäuremuster in Krill-Öl



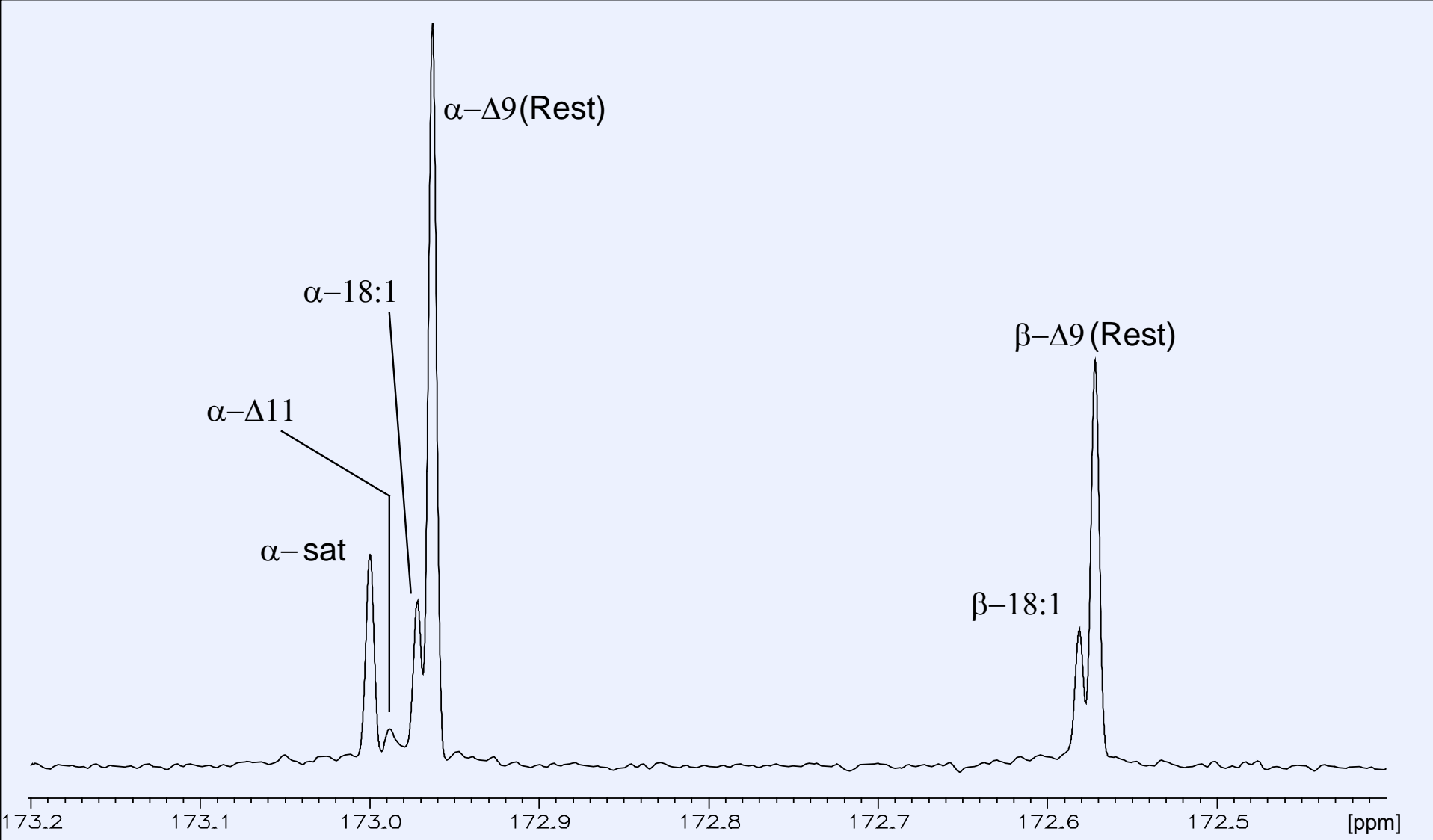
^{13}C -NMR Positionsanalyse FS



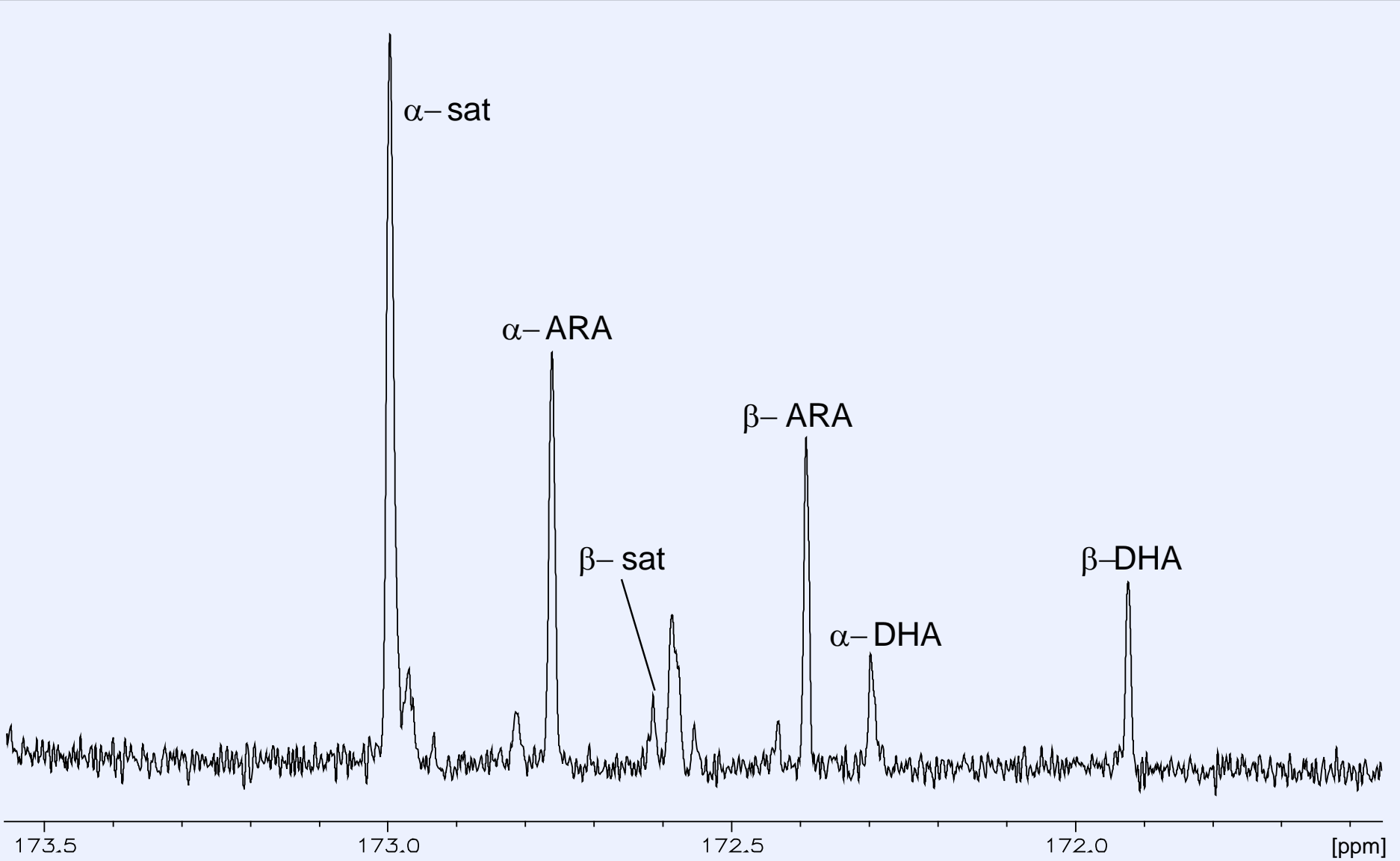
^{13}C -NMR Positionsanalyse Fischöl



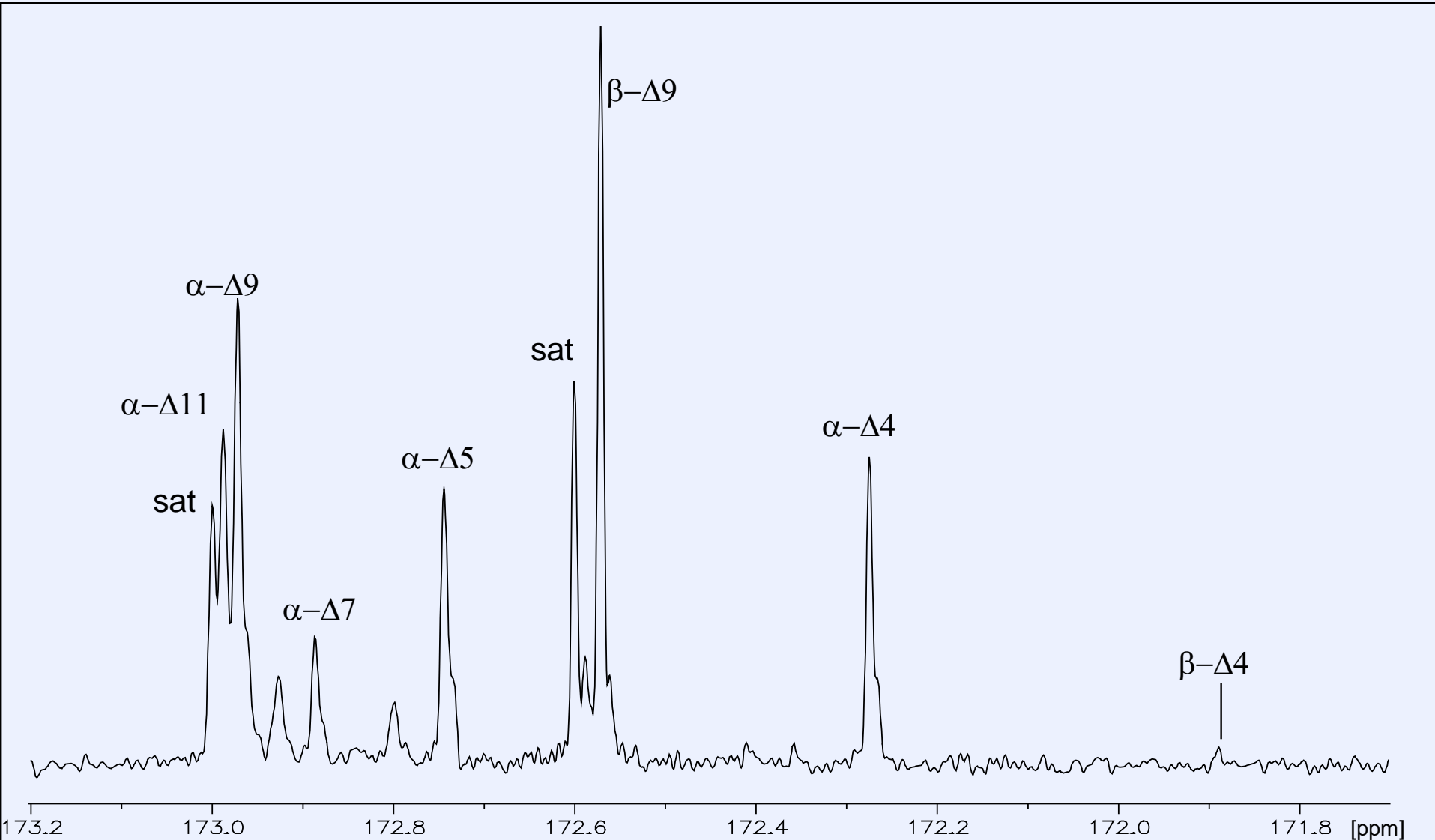
^{13}C -NMR Positionsanalyse Pflanzenöl



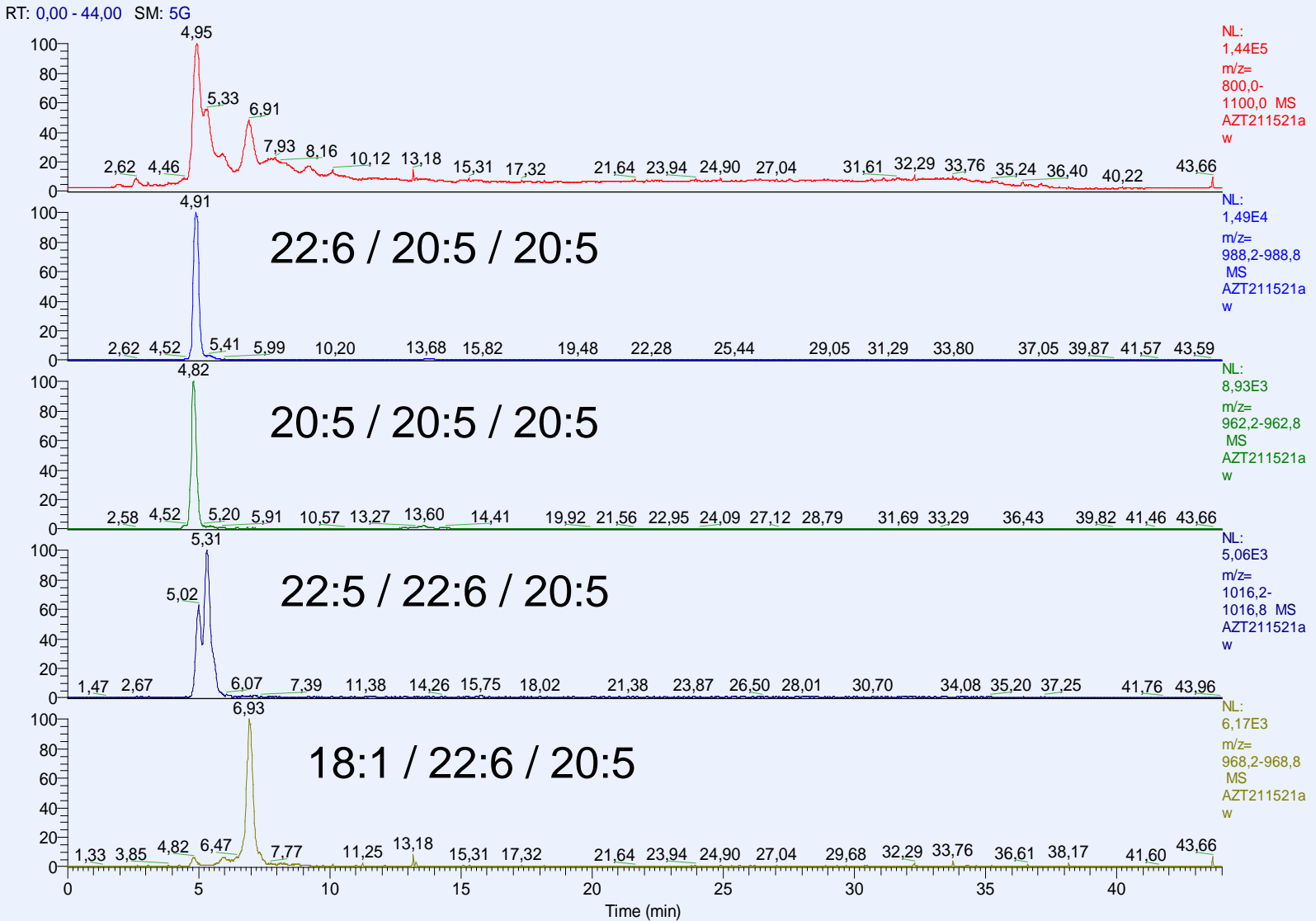
^{13}C -NMR Positionsanalyse Einzelleröl



^{13}C -NMR Positionsanalyse Robbenöl

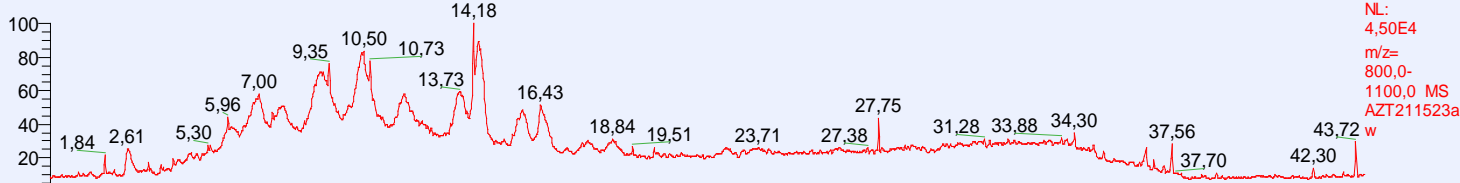


LC-MS von Fischöl Triglyceriden

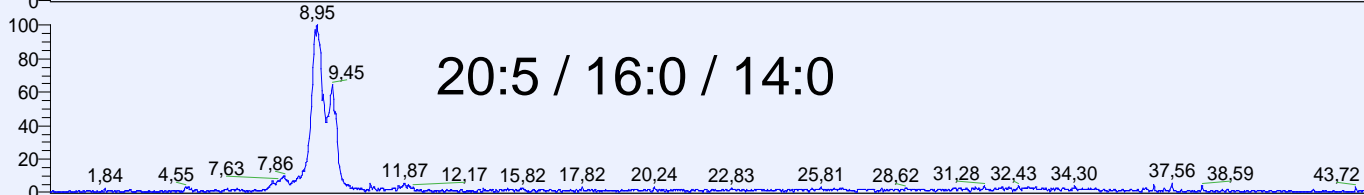


LC-MS von Krill-Öl Triglyceriden (Neptune)

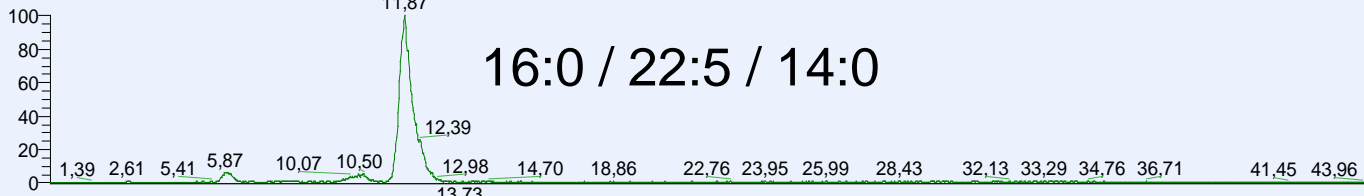
RT: 0,00 - 44,00 SM: 5G



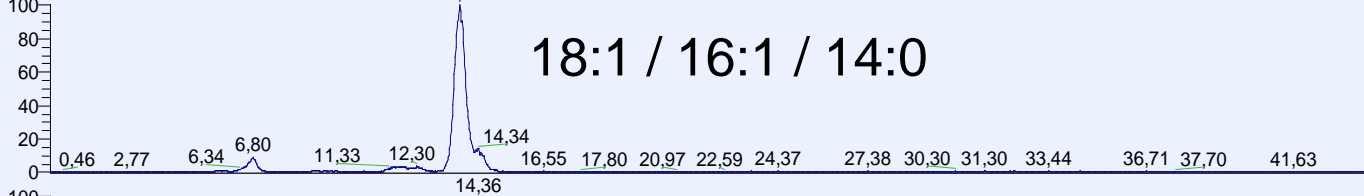
NL: 4,50E4
m/z= 800,0-1100,0 MS
AZT211523a
w



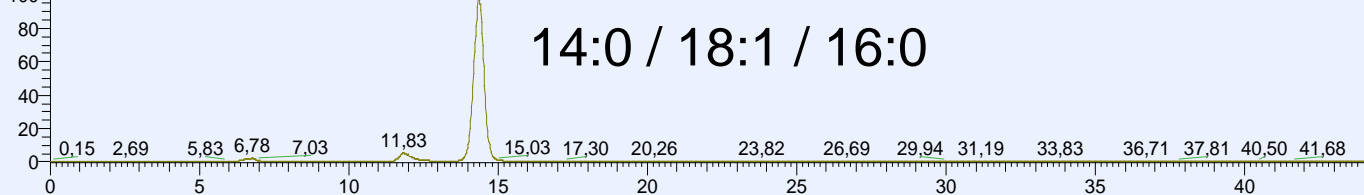
NL: 2,55E3
m/z= 842,2-842,8 MS
AZT211523a
w



NL: 4,77E3
m/z= 820,2-820,8 MS
AZT211523a
w



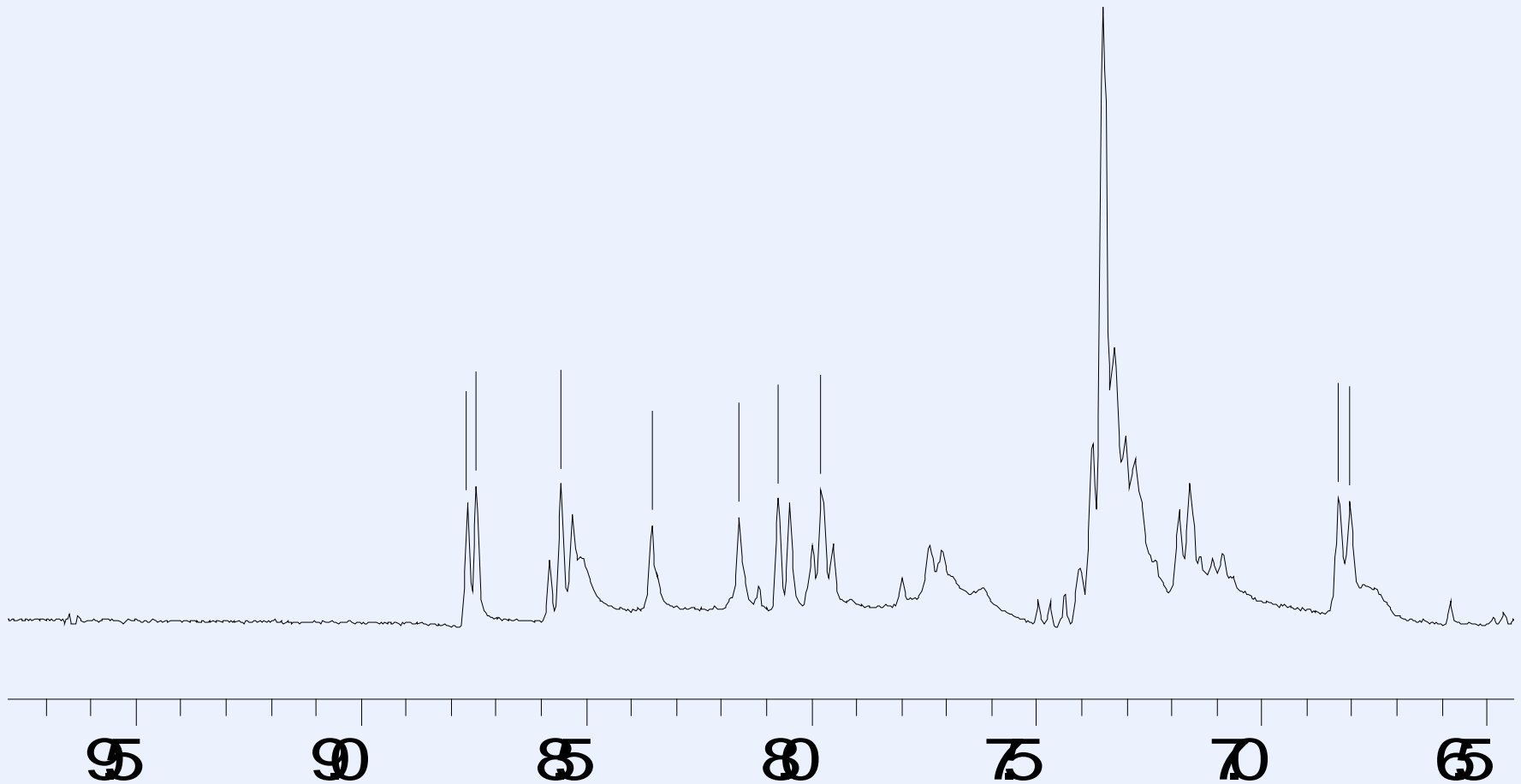
NL: 6,76E3
m/z= 848,2-848,8 MS
AZT211523a
w



NL: 1,39E4
m/z= 822,2-822,8 MS
AZT211523a
w

Time (min)

Sekundäre Begleitstoffe



Sekundäre Begleitstoffe

