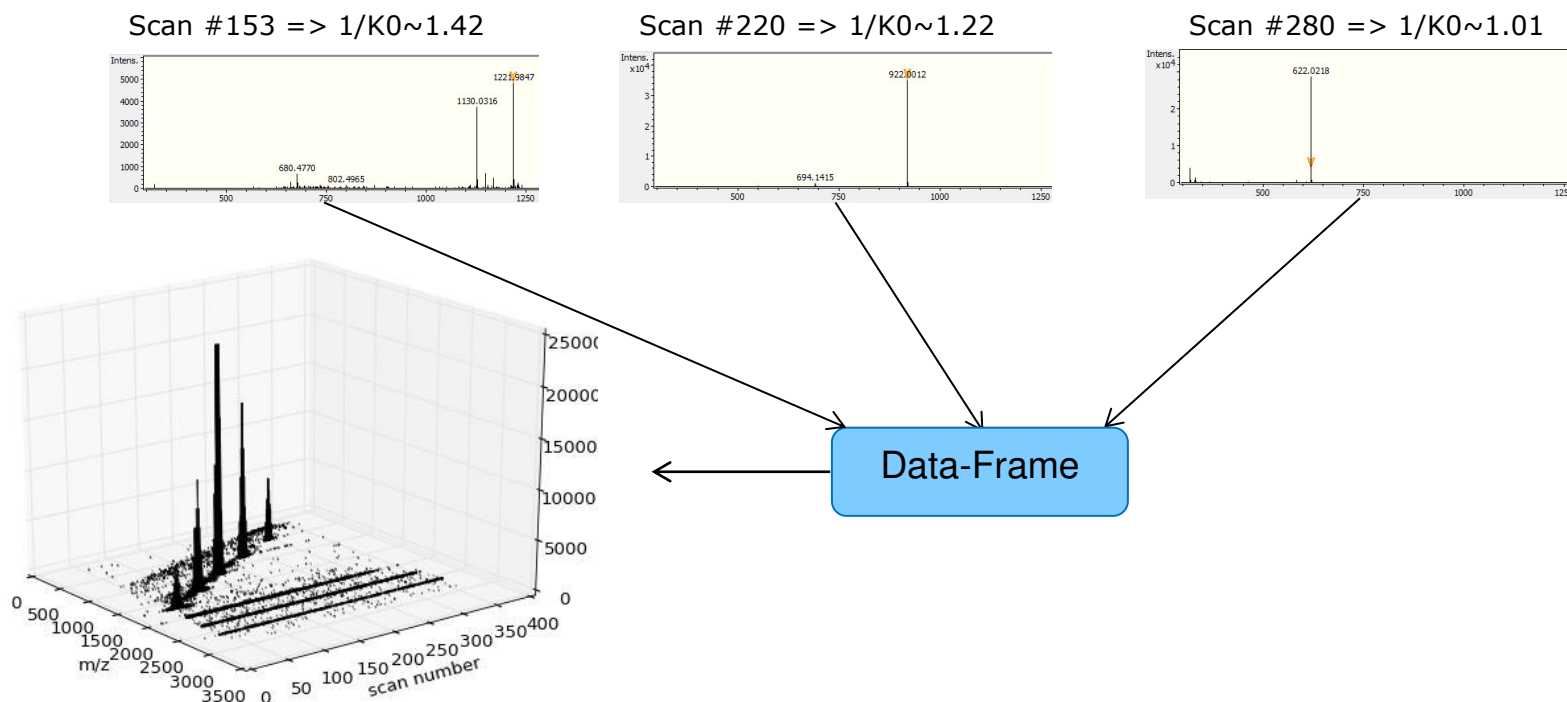


# timsTOF Data Acquisition – TIMS enabled



TIMS Scan

"TOF Scans: sparse data"



TIMS Data Format

analysis.tdf\_bin  
<binary>

analysis.tdf  
<sqlite>

Frames

| Id | Time           |        | Polarity |        | ScanMode |        | MsMsType |
|----|----------------|--------|----------|--------|----------|--------|----------|
|    | File           | Filter | Filter   | Filter | Filter   | Filter |          |
| 1  | 0.143956279671 | +      | 8        | 0      |          |        |          |
| 2  | 0.251152329531 | +      | 8        | 0      |          |        |          |
| 3  | 0.438102181831 | +      | 8        | 8      |          |        |          |
| 4  | 0.550268163721 | +      | 8        | 8      |          |        |          |
| 5  | 0.659345972721 | +      | 8        | 8      |          |        |          |
| 6  | 0.766637327501 | +      | 8        | 8      |          |        |          |
| 7  | 0.881515541001 | +      | 8        | 8      |          |        |          |

# PASEF Acquisition and TIMS Data Format

Retention Time →

