“We have found Fraction Prefect to be a very powerful and flexible software solution which perfectly complements our high-throughput chemistry needs. It now means we can run our Agilent purification systems safely over 24-7, knowing that any problems encountered will be dealt with intelligently and successfully. It is quick and easy to set up and to use, and any diagnostics carried out are accurately logged and can be reported straight to our desktop PCs. It is a great piece of software, and an essential addition to our laboratory purification systems. As such, we now run Fraction Prefect on every Agilent purification system we use.”

Dr Andrew Turner,
Tripos Discovery Research,
Bude, UK.

Your lab is smarter

Fraction Prefect, an automated watchdog software that monitors LC purification systems
Fraction Prefect for Agilent ChemStation

Fraction Prefect for Agilent ChemStation is an automated watchdog software that monitors LC purification systems, allowing the user the utmost confidence when he walks away. Developed in collaboration with Tripos Discovery Research, one of the UK's most proficient users of high throughput purification, Fraction Prefect automates the following:

- Detects any runs with no collected fractions – Automatically runs diagnostics and takes corrective action if necessary
- Performs time-scheduled system tests to ensure system is operational to your own requirements before you even get to work
- Runs periodic test samples every x number of injections to continuously monitor that system is in prime condition
- E-mails any failures along with details of any action taken to nominated recipients

User Defined Acceptance Criteria Evaluates:
- Peak Width (By UV and/or MS)
- Peak Height (Signal Intensity by UV and/or MS)
- Resolution between compounds in test sample
- Test compounds achieving trigger threshold
- Optionally test compounds are actually collected

Failed Acceptance Criteria?
Flush System!
- Inject Strong Solvent
- Run Column/System Flush Method
- On Completion Re-test

Dual Column Configurations
- Columns channels 1 and 2 evaluated separately
- Fraction Prefect can detect a failure on column 1 and divert all samples to column 2
- Details of decisions e-mailed in Fraction Prefect log

If you require further information please contact us at caps_Europe@agilent.com