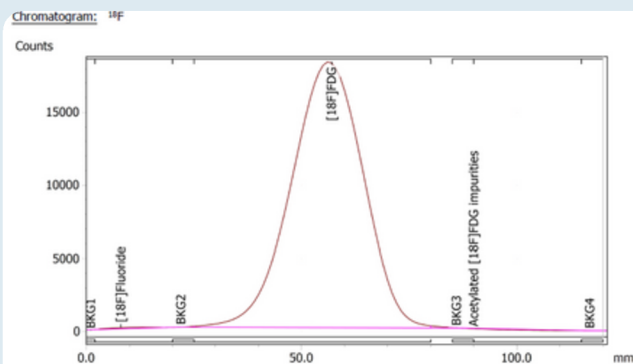
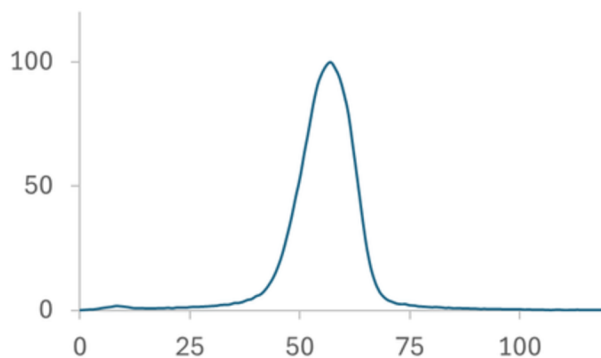


18F-FDG QC COMPARISON



Molpure SA TLC-300



Regions: ¹⁸F

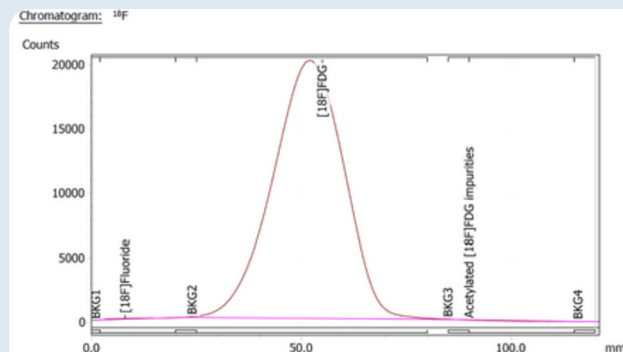
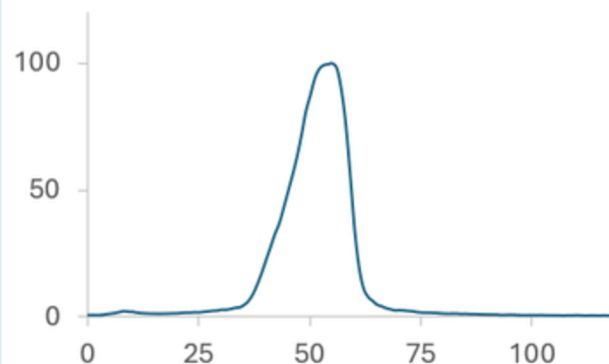
Name	Retention (RF)	%ROI (%)
BKG1	0.008	
[18F]Fluoride	0.067	0.55
BKG2	0.183	
[18F]FDG	0.475	99.71
BKG3	0.717	
Acetylated [18F]FDG impurities	0.750	-0.26
BKG4	0.975	
3 Peaks		100.00

Total Area: 356069 Counts
Average Background: 211 Counts

MP = 95/5 Acetonitrile/water

Elution Time ~ 10 min.

Merck Silica Gel 60 Aluminum Support



Regions: ¹⁸F

Name	Retention (RF)	%ROI (%)
BKG1	0.008	
[18F]Fluoride	0.067	0.36
BKG2	0.200	
[18F]FDG	0.458	99.87
BKG3	0.708	
Acetylated [18F]FDG impurities	0.750	-0.23
BKG4	0.967	
3 Peaks		100.00

Total Area: 396358 Counts
Average Background: 248 Counts

MP = 95/5 Acetonitrile/water

Elution Time ~ 10 min.

