

Accession Number: 18-339-401600

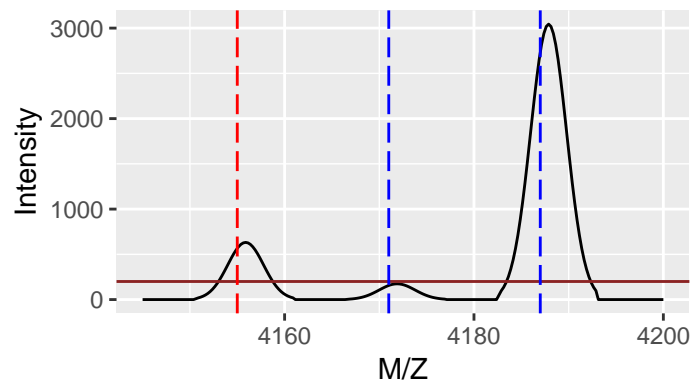
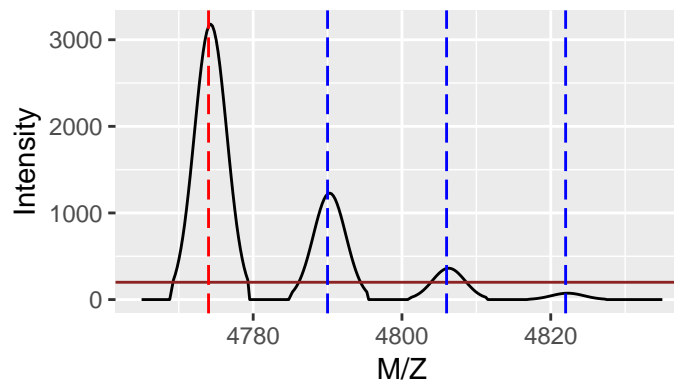
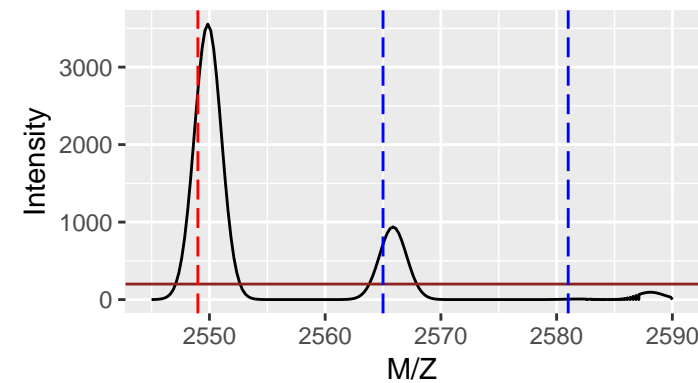
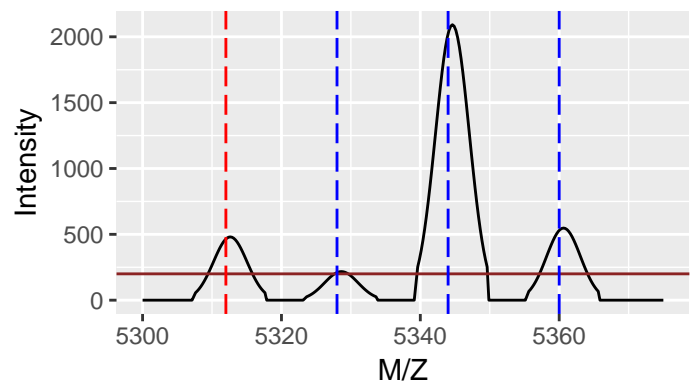
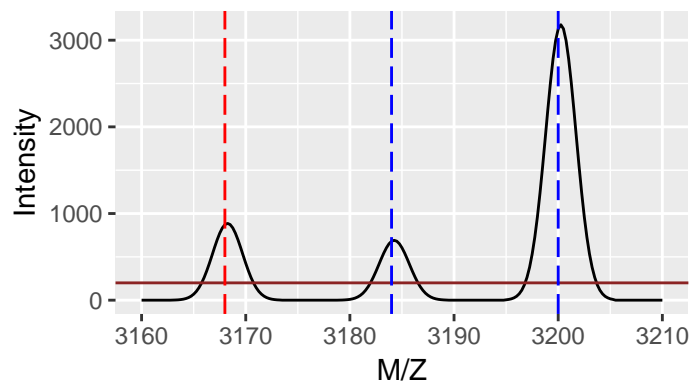
Report Date: 2018-12-16

Run Name: MGMT_1962

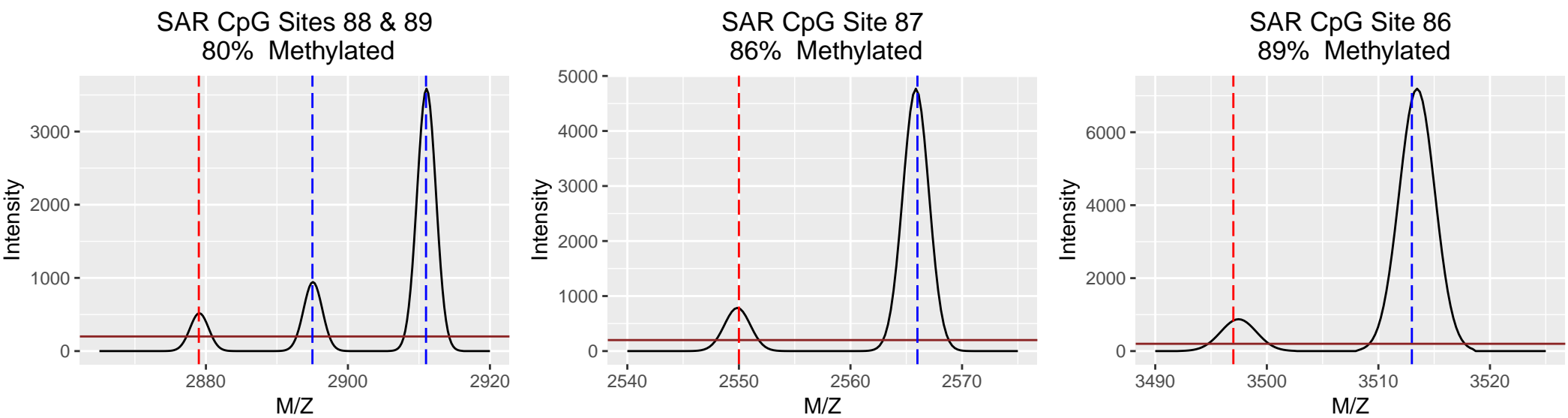
Assay: MGMT/SAR Methylation

Result: Detected

Total % Methylation: 55%

MGMT CpG Sites 72 & 73
81% MethylatedMGMT CpG Sites 74, 75, & 76
14% MethylatedMGMT CpG Sites 77 & 78
10% MethylatedMGMT CpG Sites 79, 80, & 81
60% MethylatedMGMT CpG Sites 82 & 83
74% Methylated

| | | | | | | Pass/Fail | QC Check |
|-------------------------------------|-------|-------|-------|-------|-------|-----------|---------------------|
| Np mean | | | 39.09 | | | Pass | >=10 |
| Number of spectra | | | 5/5 | | | Pass | >=3/5 |
| Warning flags | | | ok | | | Pass | ok |
| CpG unit # (CpGs/unit) | 1 (2) | 2 (3) | 3 (2) | 4 (3) | 5 (2) | | |
| Sum of peak(s) intensity per unit | 3850 | 4845 | 4595 | 3337 | 4755 | Pass | >=600 for each unit |
| Methylation value per unit (%) | 81% | 14% | 10% | 60% | 74% | Pass | Calculated |
| Total methylation from MGMT and SAR | | | 55% | | | Pass | Calculated |



| | | | | Pass/Fail | QC Check |
|-------------------------------------|-------|-------|-------|-----------|---------------------|
| Np mean | | 39.3 | | Pass | >=10 |
| Number of spectra | | 5/5 | | Pass | >=3/5 |
| Warning flags | | ok | | Pass | ok |
| CpG unit # (CpGs/unit) | 1 (2) | 2 (1) | 3 (1) | | |
| Sum of peak(s) intensity per unit | 5046 | 5553 | 8066 | Pass | >=600 for each unit |
| Methylation value per unit (%) | 80% | 86% | 89% | Pass | Calculated |
| Total methylation from MGMT and SAR | | 55% | | Pass | Calculated |

| If... | Then... |
|----------------------------------|--|
| Total % methylation is 0 – 9% | The sample is reported as NOT DETECTED for MGMT promoter methylation |
| Total % methylation is 10 – 29% | The sample is reported as LOW LEVEL for MGMT promoter methylation |
| Total % methylation is 30 – 100% | The sample is reported as DETECTED for MGMT promoter methylation |

| Control | Percent Methylation | Pass/Fail |
|-------------------------|---------------------|-----------|
| Non-methylated Control | 0–9% | Pass |
| 20% Methylated Control | 10–40% | Pass |
| 100% Methylated Control | 90–100% | Pass |
| NTC | np mean <10 | Pass |