

Accession Number: 18-339-401570

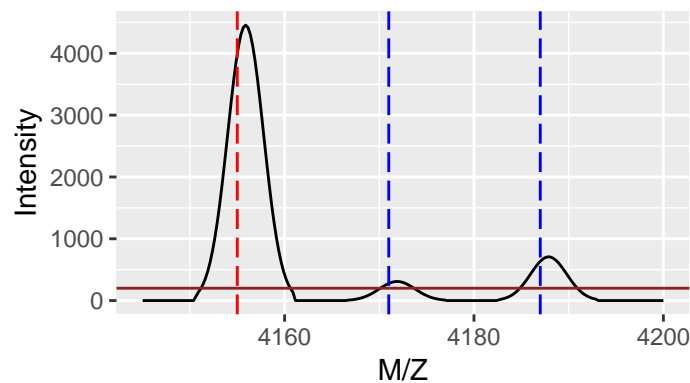
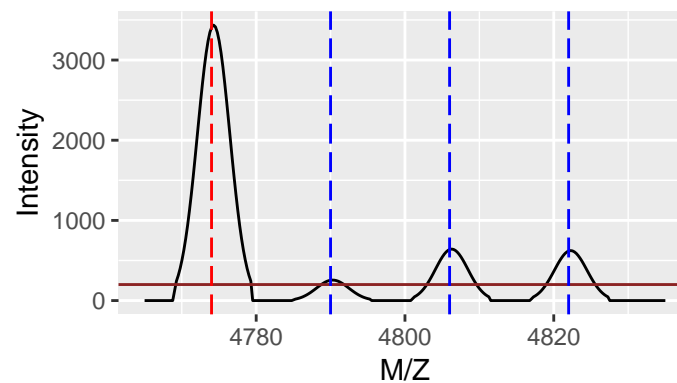
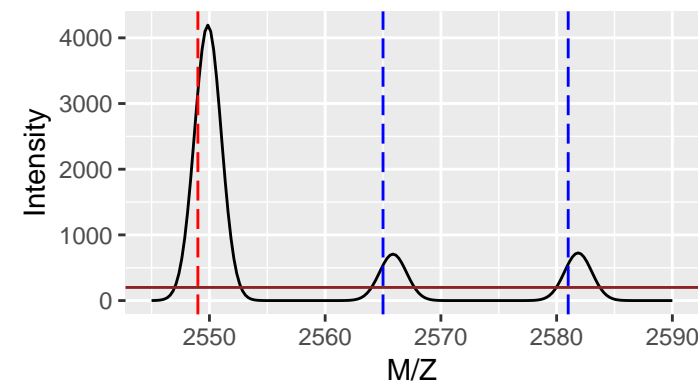
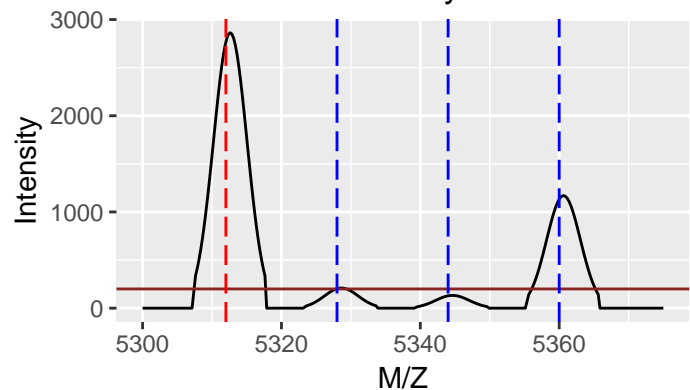
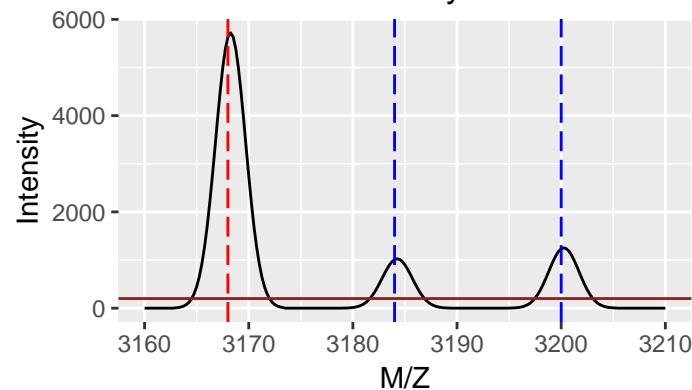
Report Date: 2018-12-16

Run Name: MGMT_1962

Assay: MGMT/SAR Methylation

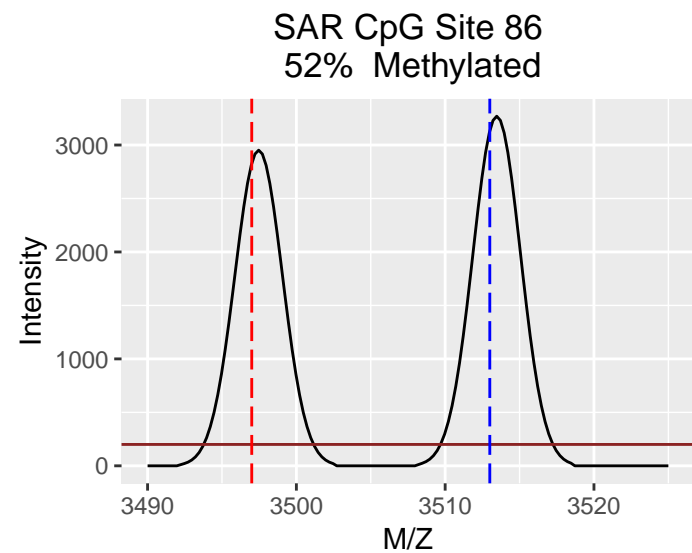
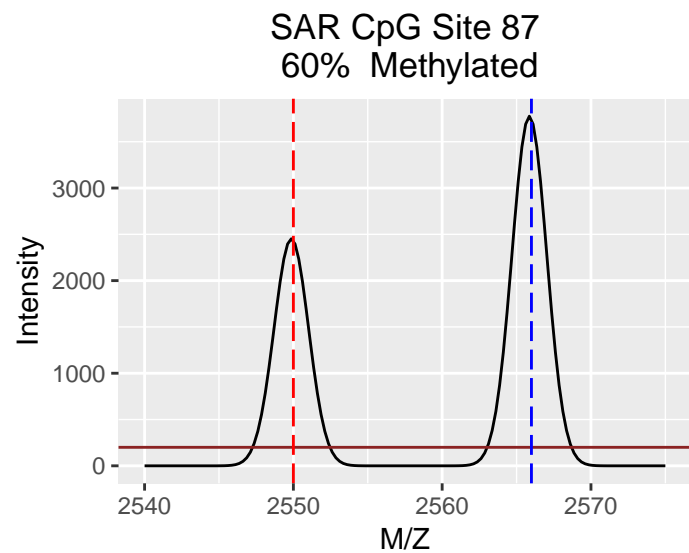
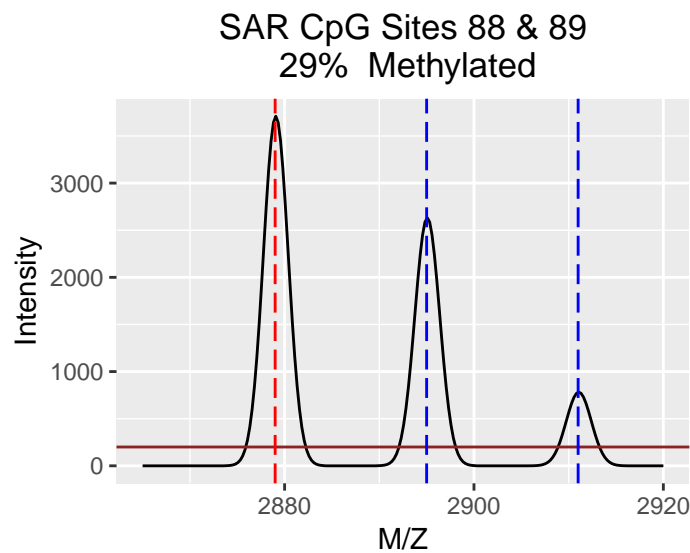
Result: Low-level Methylation

Total % Methylation: 28%

MGMT CpG Sites 72 & 73
16% MethylatedMGMT CpG Sites 74, 75, & 76
22% MethylatedMGMT CpG Sites 77 & 78
20% MethylatedMGMT CpG Sites 79, 80, & 81
30% MethylatedMGMT CpG Sites 82 & 83
22% Methylated

| | | | | | | Pass/Fail | QC Check |
|-------------------------------------|-------|-------|-------|-------|-------|-----------|---------------------|
| Np mean | | | 50.2 | | | 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 | 5473 | 4957 | 5627 | 4375 | 8001 | Pass | >=600 for each unit |
| Methylation value per unit (%) | 16% | 22% | 20% | 30% | 22% | Pass | Calculated |
| Total methylation from MGMT and SAR | | | 28% | | | Pass | Calculated |

| | | |
|---------------------------------|-------------------------------|--------------------------|
| Accession Number: 18–339–401570 | Report Date: 2018–12–16 | Run Name: MGMT_1962 |
| Assay: MGMT/SAR Methylation | Result: Low–level Methylation | Total % Methylation: 28% |



| | | | | Pass/Fail | QC Check |
|-------------------------------------|-------|-------|-------|-----------|---------------------|
| Np mean | | 33.58 | | Pass | >=10 |
| Number of spectra | | 4/5 | | 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 | 7124 | 6227 | 6222 | Pass | >=600 for each unit |
| Methylation value per unit (%) | 29% | 60% | 52% | Pass | Calculated |
| Total methylation from MGMT and SAR | | 28% | | 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 |