

Accession Number: 18-339-401039

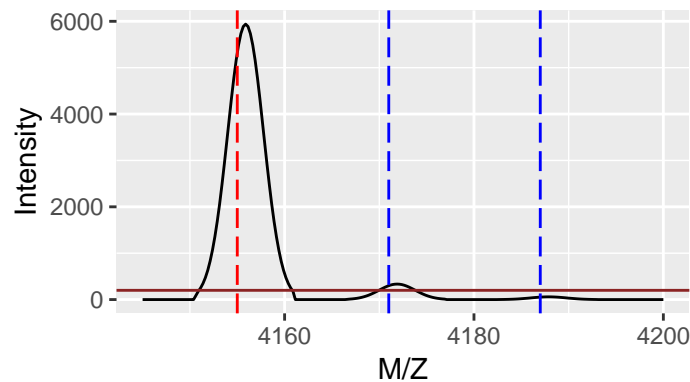
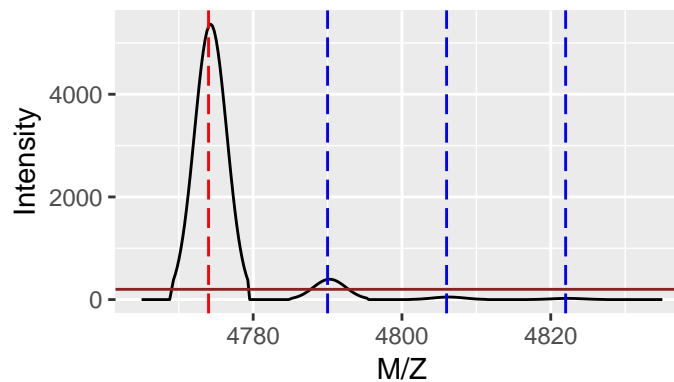
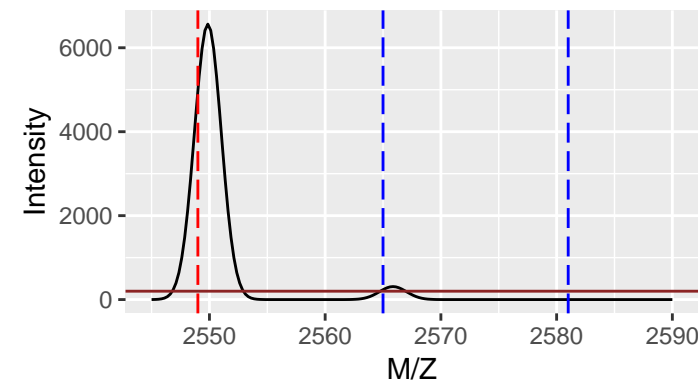
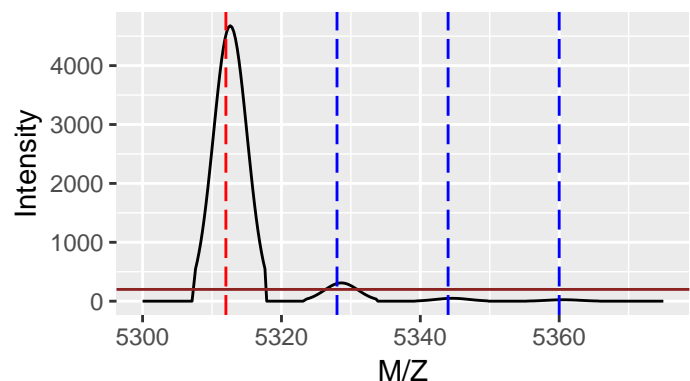
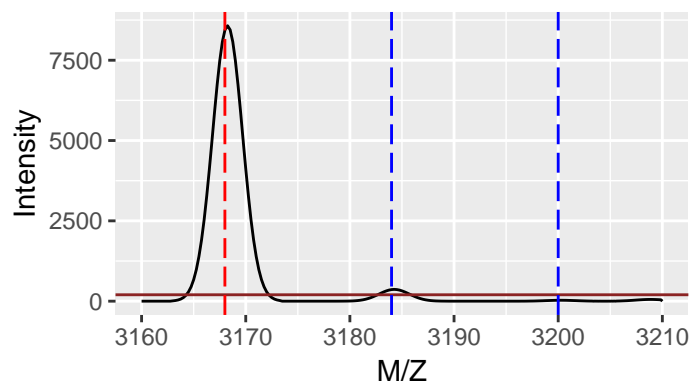
Report Date: 2018-12-16

Run Name: MGMT_1962

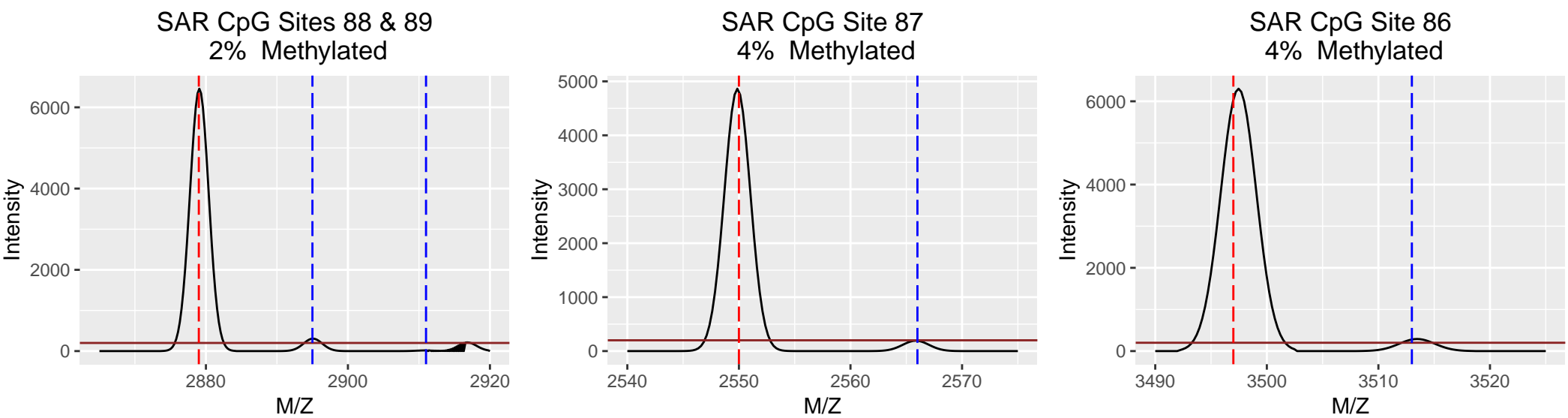
Assay: MGMT/SAR Methylation

Result: Not Detected

Total % Methylation: 3%

MGMT CpG Sites 72 & 73
4% MethylatedMGMT CpG Sites 74, 75, & 76
3% MethylatedMGMT CpG Sites 77 & 78
2% MethylatedMGMT CpG Sites 79, 80, & 81
3% MethylatedMGMT CpG Sites 82 & 83
2% Methylated

						Pass/Fail	QC Check
Np mean			57.62			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	6332	5835	6873	5060	9023	Pass	>=600 for each unit
Methylation value per unit (%)	4%	3%	2%	3%	2%	Pass	Calculated
Total methylation from MGMT and SAR			3%			Pass	Calculated



				Pass/Fail	QC Check
Np mean		43.1		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	6994	5057	6593	Pass	>=600 for each unit
Methylation value per unit (%)	2%	4%	4%	Pass	Calculated
Total methylation from MGMT and SAR		3%		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