

Accession Number: 18-339-145778

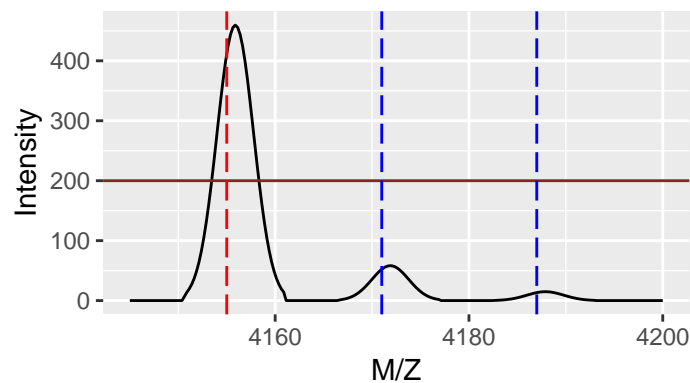
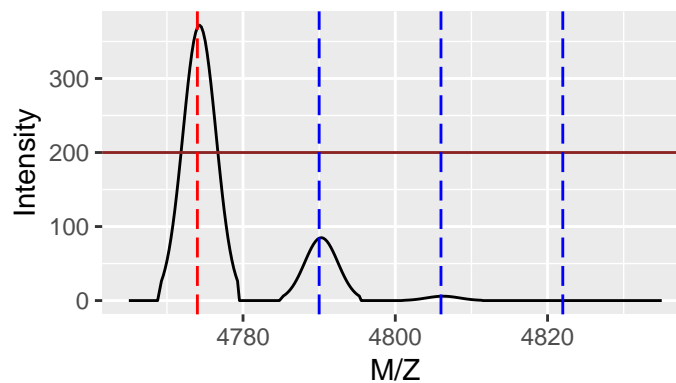
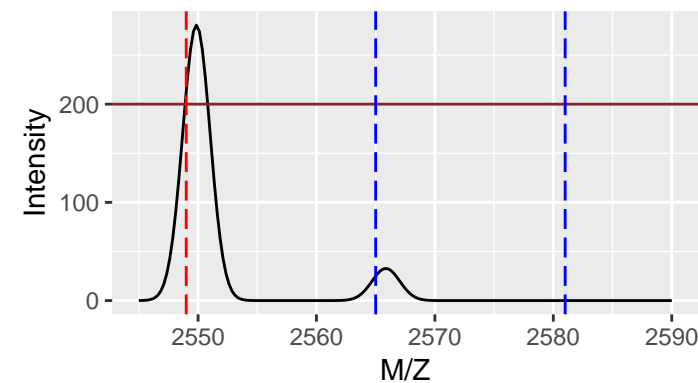
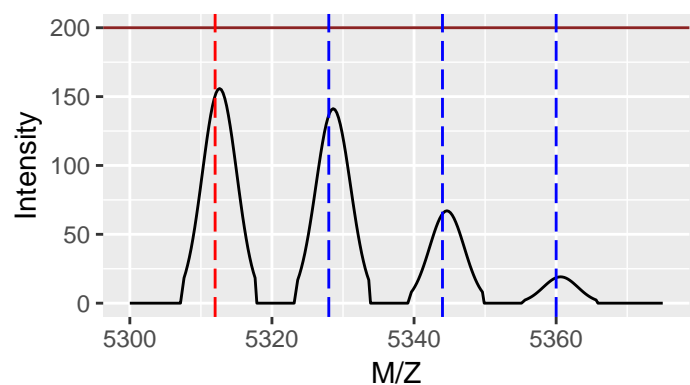
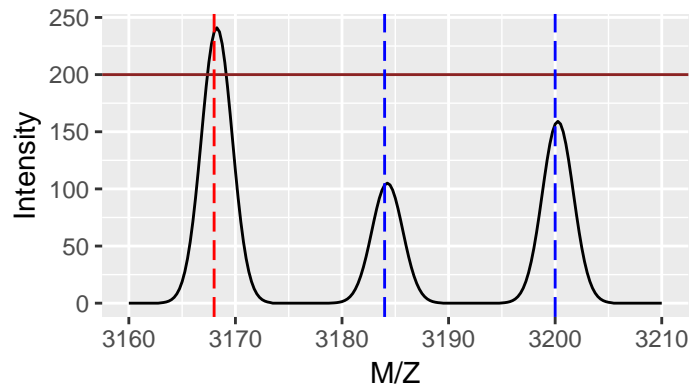
Report Date: 2018-12-16

Run Name: MGMT_1962

Assay: MGMT/SAR Methylation

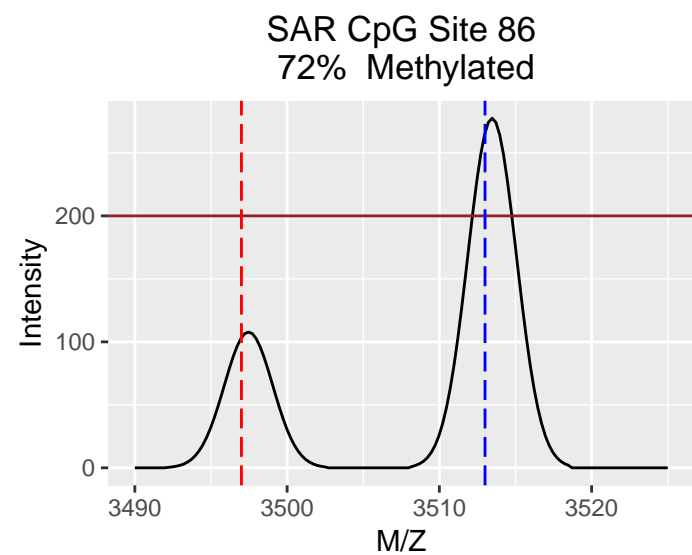
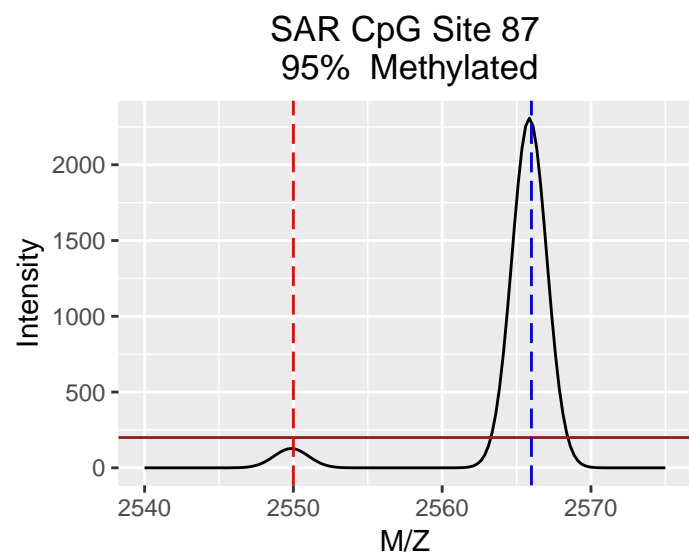
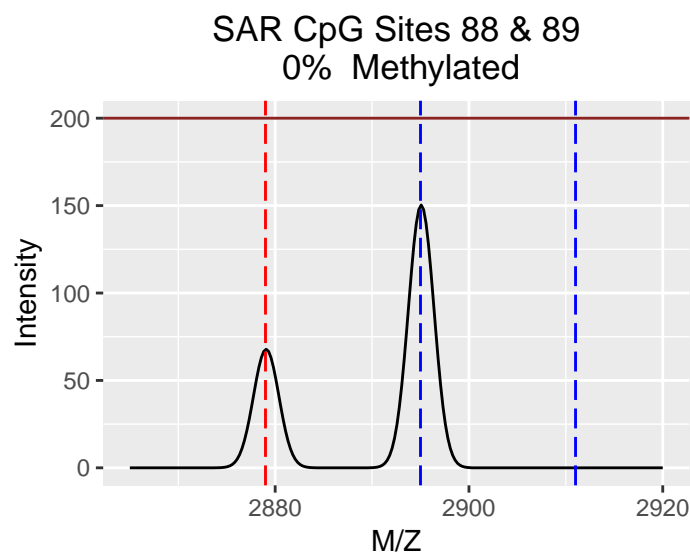
Result: Fail

Total % Methylation: 24%

MGMT CpG Sites 72 & 73
8% MethylatedMGMT CpG Sites 74, 75, & 76
7% MethylatedMGMT CpG Sites 77 & 78
5% MethylatedMGMT CpG Sites 79, 80, & 81
29% MethylatedMGMT CpG Sites 82 & 83
43% Methylated

						Pass/Fail	QC Check
Np mean			10.07			Pass	>=10
Number of spectra			4/5			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	533	463	313	383	505	Fail	>=600 for each unit
Methylation value per unit (%)	8%	7%	5%	29%	43%	Pass	Calculated
Total methylation from MGMT and SAR			24%			Pass	Calculated

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Assay: MGMT/SAR Methylation	Result: Fail	Total % Methylation: 24%



				Pass/Fail	QC Check
Np mean		8.57		Fail	>=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	218	2435	385	Fail	>=600 for each unit
Methylation value per unit (%)	0%	95%	72%	Review	Calculated
Total methylation from MGMT and SAR		24%		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