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Supplementary Information

Phenotyping metastatic brain tumours applying spectrochemical analyses: segregation of different cancer types

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Table S1 Results of one-way Anova for both Raman and ATR-FTIR spectroscopy to determine statistical difference between all three groups. (KEY: CA – COLORECTAL ADENOCARCINOMA, LA – LUNG ADENOCARCINOMA, MM – MALIGNANT MELANOMA)

Method	Group	Mean difference	95% CI	P-value
Raman	CA vs. LA	0.03	-0.01 - 0.06	0.19
	CA vs. MM	-0.23	-0.26 - -0.20	<0.0001
	LA vs. MM	-0.25	-0.29 - -0.22	<0.0001
IR		-0.02	-0.03 - -0.00	0.01
	CA vs. MM	-0.10	-0.11 - -0.08	<0.0001
	LA vs. MM	-0.08	-0.09 - -0.06	<0.0001

Table S2 Results of a student's *t*-test for Raman and ATR-FTIR spectroscopy to determine statistical difference between adenocarcinoma and MM. (Key: MM = metastatic melanoma, AD = adenocarcinoma)

Method	Group	Difference between means	95% CI	<i>P</i>-value
Raman	MM	0.24+/-	0.22 –	<0.0001
	vs. AD	0.01	0.27	
IR	MM	0.09 +/-	0.08 –	<0.0001
	vs. AD	0.01	0.10	