Biomolecular Mass Spectrometry Core - Available Assays

CODE	LC-HRMS Assays
	Exposomic Assays
BMSC-101	Untargeted metabolomics
BMSC-102	Untargeted lipidomics
BMSC-103	Untargeted proteomics
BMSC-104	Adductomics
	HRMS Quantification
BMSC-201	Estrogen pannel quantification
BMSC-202	Hydroxy-Androgen panel quantification
BMSC-203	Keto-Androgen panel quantification
BMSC-204	Neurotransmiters quantification
BMSC-205	Polyamines quantification
BMSC-206	Cholesterol and its metabolites
BMSC-207	Chiral eicosanoids quantification
BMSC-208	PTM-modificaition for HMGB1
BMSC-209	Amiloid-β quantification
BMSC-210	ApoA-I quantification
BMSC-211	Frataxin and its proteoforms
BMSC-212	ER α quantification
BMSC-213	Drug and metabolite identification
BMSC-214	New protein quantification assay
	Metal Ion Analysis
BMSC-301	Isotope quantification for single metal ion
BMSC-302	Lead quantification on dinking water
BMSC-303	Lead quantification in blood
BMSC-304	Quantification of 22 metal ions
BMSC-305	Single metal ion speciation
BMSC-306	New matrix assay development for IC and/or ICP-MS

CODE	LC-MS/MS Assays
BMSC-401	Isoprostanes
BMSC-402	8-oxo-dG
BMSC-403	GSH and GSSG
BMSC-404	Perfluorooctanoic acid (PFOA)
BMSC-405	PFOS
BMSC-406	Pannel of 16 PFC
BMSC-407	Phthalate metabolites
BMSC-408	Bisphenols (BPA and BPS)
BMSC-409	TBBPA
BMSC-410	TCDD
BMSC-411	1-OH-pyrene
BMSC-412	B[*a*]P adducts
BMSC-413	Environmental PAH pannel
BMSC-414	Nicotine and 15 of its metabolites
BMSC-415	NNAL and NNK
BMSC-416	RBC and cellular folates
BMSC-417	One carbon cycle metabolites
BMSC-418	Amino acids
BMSC-419	NAD pathway metabolites
BMSC-420	Tryptophan pathway
BMSC-421	Glycolysis pathway
BMSC-422	Pentose phosphate pathway
BMSC-423	TCA metabolites
BMSC-424	Short chain fatty acids
BMSC-425	Short and long chain CoAs
	New Assay Development
BMSC-501	Stable isotope dilution LC-MS/MS assays for novel biomarkers