Supporting Information

Time-resolved Metabolomics uncover Dynamic Metabolic Adaptions to Bisphenol A exposure

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Table S1. Identified time-resolved dysregulated metabolites with MS1 information. (m/z stands for mass-to-charge ratio; RT stands for retention time; FDR-adjusted *p*-value is calculated by one-way *ANOVA*.

Compound name	KEGG	m/z $[M-H]^-$	RT (min)	*p*-value
Adenosine monophosphate	C00020	346.0553	7.757	0.045
Adenosine triphosphate	C00002	505.9879	8.237	0.035
Adenylsuccinic acid	C03794	462.0662	0.559	<0.01
ADP	C00008	426.0216	8.055	0.026
CDP-Ethanolamine	C00570	445.0587	8.003	<0.01
Cholesterol sulfate	C18043	465.3027	0.609	<0.01
Citraconic acid	C02226	129.0186	6.632	0.050
Citric acid	C00158	191.0192	8.171	<0.01
Cytidine	C00475	242.0777	7.955	<0.01
Cytidine triphosphate	C00063	481.9827	8.402	<0.01
Deoxyuridine	C00526	227.0665	6.731	<0.01
D-Fructose	C02336	179.0556	6.086	<0.01
D-Glucose	C00221	179.0556	7.045	<0.01
Glutathione	C00051	306.0765	7.426	0.05
Guanosine	C00387	282.0839	0.625	<0.01
Guanosine triphosphate	C00044	521.994	8.416	0.038
L-Glutamic acid	C00025	146.0454	7.426	<0.01
L-Glutamine	C00064	145.0613	6.748	0.039
L-Lactic acid	C00186	89.025	5.488	<0.01
L-Leucine	C00123	130.0868	5.06	<0.01
L-Lysine	C00047	145.0977	7.591	0.012
L-Proline	C00148	180.0661	5.573	0.05
L-Tyrosine	C00082	116.0712	5.639	0.034
L-Valine	C00183	188.0583	7.36	<0.01
N-Acetylglutamic acid	C00624	308.0982	0.592	0.011
NAD	C00003	662.1013	7.79	0.034
NADH	C00004	664.1095	7.409	<0.01
Oxidized glutathione	C00127	611.1442	8.468	0.048
Palmitic acid	C00249	255.2331	0.94	0.031
Pantothenic acid	C00864	218.1028	5.589	0.020
Phosphocreatine	C02305	210.0354	8.003	<0.01
Pyroglutamic acid	C01879	128.0348	7.426	<0.01
Taurine	C00245	124.0069	5.871	0.028
Uridine diphosphate glucose	C00029	565.0472	8.086	<0.01
Uridine diphosphate glucuronic acid	C00167	579.0313	8.334	<0.01
Uridine diphosphate-N-acetylglucosamine	C00043	606.0793	7.989	<0.01
Uridine triphosphate	C00075	482.9671	8.35	0.024

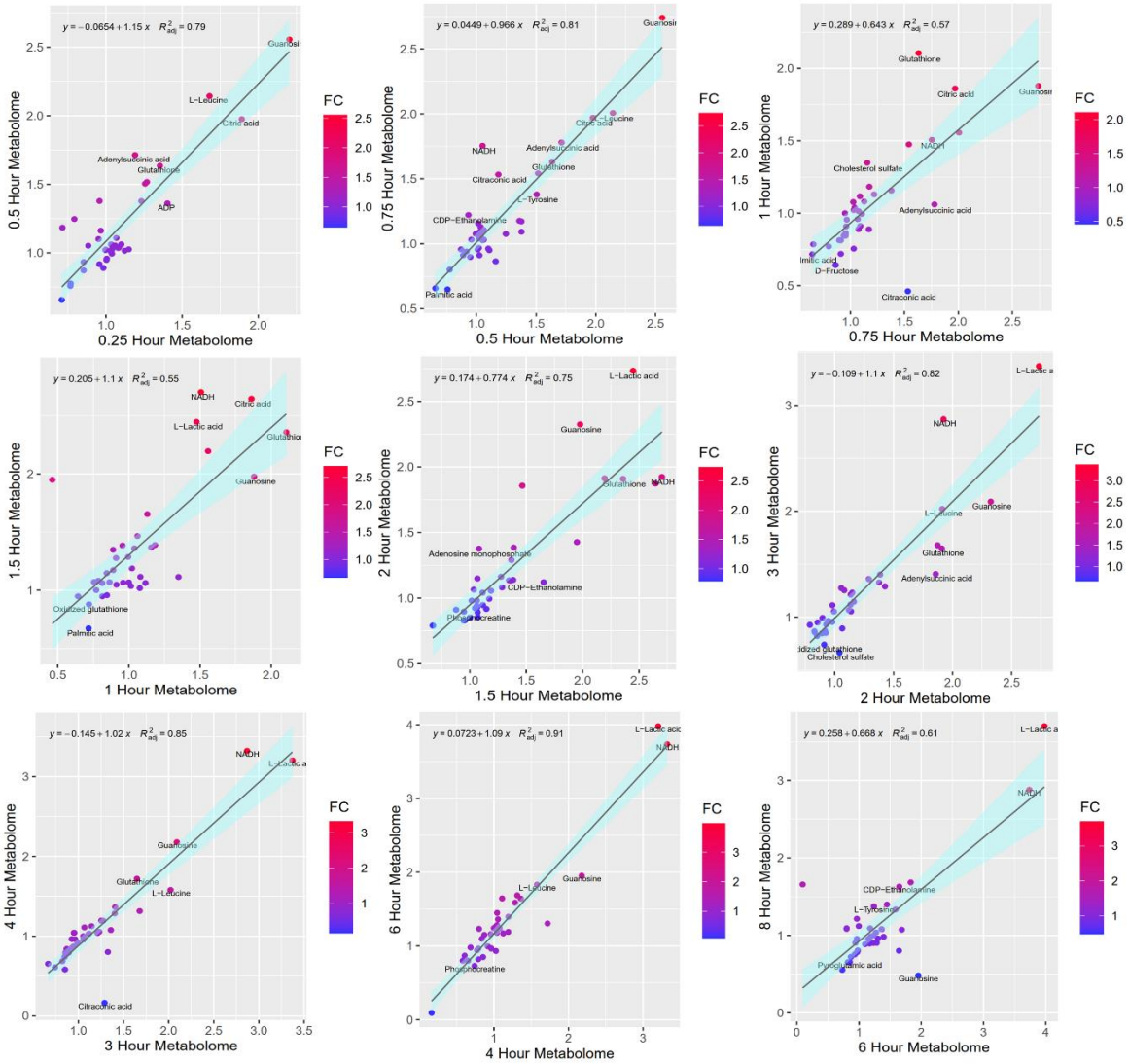

Figure S1 Scatter plots of fold changes at adjacent time steps for 37 metabolites.

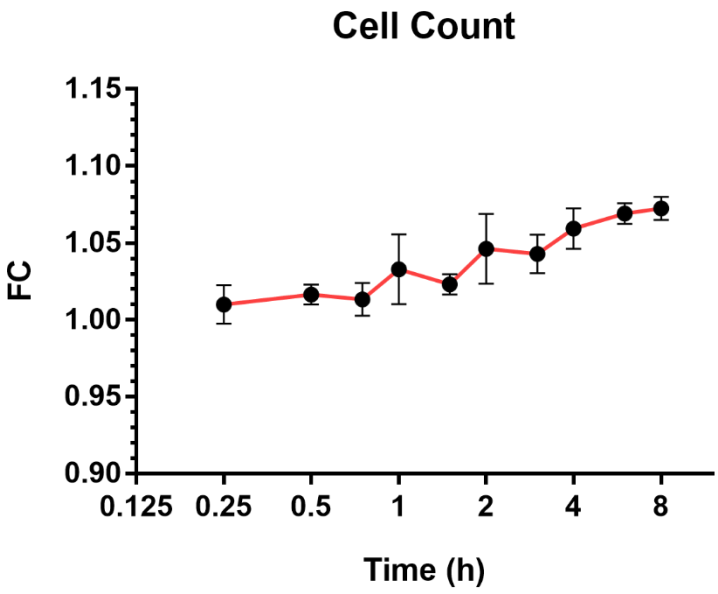

Figure S2 Untreated MCF-7 cells 8 h proliferation test.