Adapted from: Man Liz Lipski, PhD, CC	Polyphenols in Food ach A, et al. Polyphenols: Food sources and bioa	availability. Am J Clin Nutr. 2004;79 by
Phenolic acids	derivatives of benzoic acid	Strawberries, raspberries, blackberries, tea, black radish, onions
	o tannins (also considered proanthocyanidins)	grapes, peaches, kakis, apples, pears, berries, beverages (wine, cider, tea, beer, etc), chocolate
	o gallic acid	
	 derivatives of cinnamic acid p-coumaric caffeic ferulic sinapic acids 	coffee, blueberries, kiwis, plums, cherries, apples
Flavonoids	Flavonols are abundant in fruits and vegetables	onions, curly kale, leeks, broccoli, blueberries, red wine and tea, concentrated in brightly colored part of vegetables
	o Catechins	tea, fruit, grapes, seeds of leguminous plants
	 Proanthocyanidins (considered to be concentrated tannins) 	red wine, certain varieties of cereals, eggplant, cabbage, beans, onions, radishes, black currants, blackberries, cherries, strawberries
	 Flavones are less abundant luteolin apigenin 	Parsley, celery Millet, wheat Skin of citrus fruit
	 Flavanones naringenin in grapefruit hesperetin in oranges eriodictyol in lemons 	Tomatoes, aromatic plants such as mint, apples, highest concentrations in citrus fruit.
	 Isoflavones 	Soy, clover
Lignans	Lignans are metabolized to enterodiol and enterolactone by the intestinal microflora	Flaxseed 1000x higher than other foods Minor sources: algae, lentils, triticale, wheat, garlic, asparagus, carrots, pears, prunes
Stilbenes	Resveratrol	Red wine, red grapes