

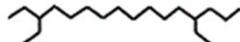
NOISE CLASSIFICATION OF COMMON HYDROCARBON STRUCTURES

Z = +2 through Z = -34

Paraffins



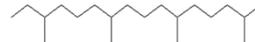
C_nH_{2n+2}
n-paraffin



C_nH_{2n+2}
isoparaffin



C_nH_{2n+2}
 $C_{19}H_{40}$ (268) pristane



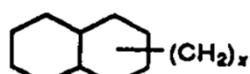
C_nH_{2n+2}
 $C_{20}H_{42}$ (282) phytane

Cyclanes



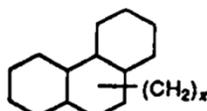
C_nH_{2n-0}

monocyclic
 C_6H_{12} (84)



C_nH_{2n-2}

dicyclic
 $C_{10}H_{18}$ (138)

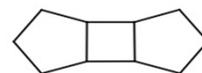


C_nH_{2n-4}

tricyclic
 $C_{14}H_{24}$ (192)



C_nH_{2n-4}
 $C_{10}H_{16}$ (136) adamantane



C_nH_{2n-4}
 $C_{10}H_{16}$ (136) tricyclodecane

Monoaromatics



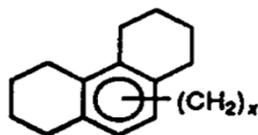
C_nH_{2n-6}
(benzenes)

C_6H_6 (78)



C_nH_{2n-8}
(dicyclobenzenes)

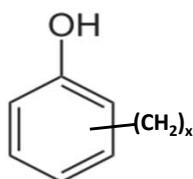
$C_{10}H_{12}$ (132)



C_nH_{2n-10}
(tricyclobenzenes)

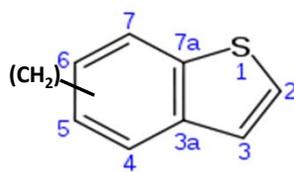
$C_{14}H_{18}$ (186)

Phenols



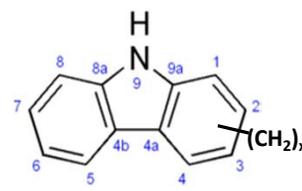
$C_nH_{2n-6}O$
phenol
 C_6H_5OH (94)

Benzothiophenes



$C_nH_{2n-10}S$
benzothiophene
 C_8H_6S (134)

Carbazoles

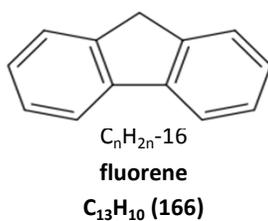
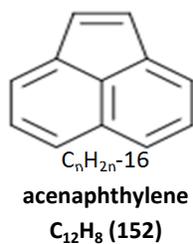
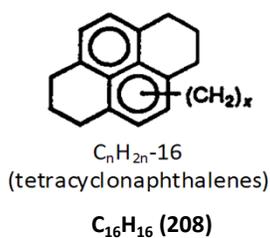
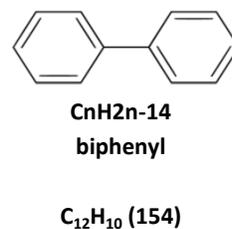
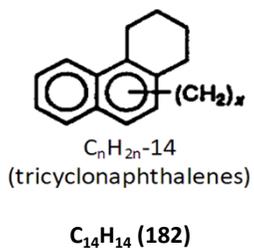
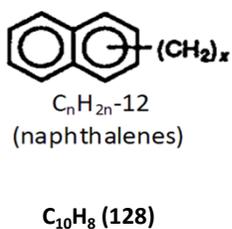
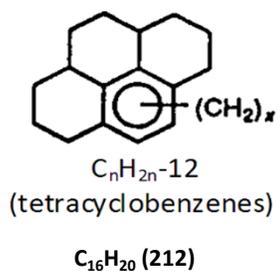


$C_nH_{2n-15}N$
carbazole
 $C_{12}H_9N$ (167)

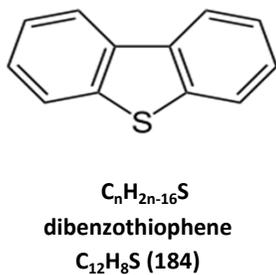
NOISE CLASSIFICATION OF COMMON HYDROCARBON STRUCTURES

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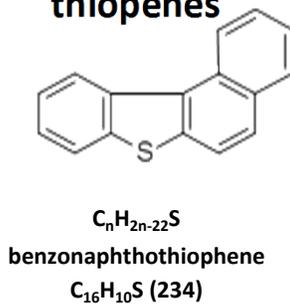
Diaromatics



Dibenzo thiophenes



Benzo-naphtho- thiophenes



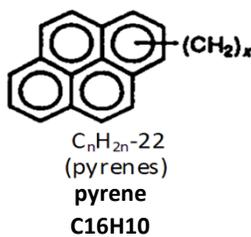
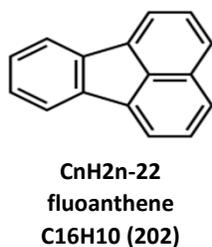
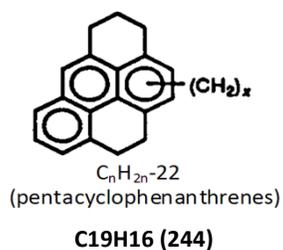
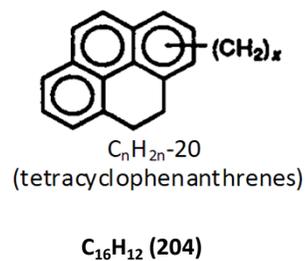
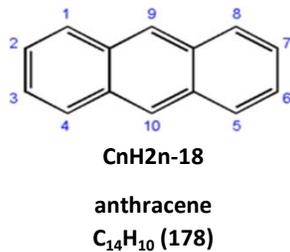
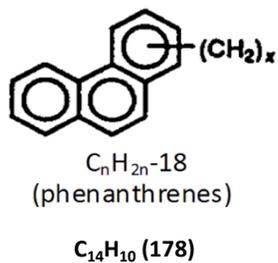
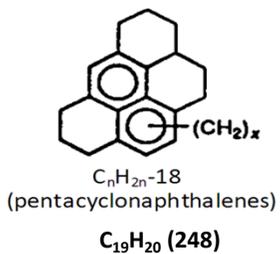
Pyreno- thiophenes



NOISE CLASSIFICATION OF COMMON HYDROCARBON STRUCTURES

Z = +2 through Z = -34

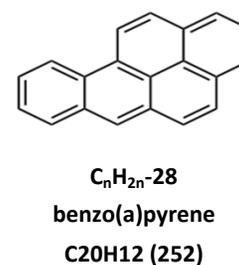
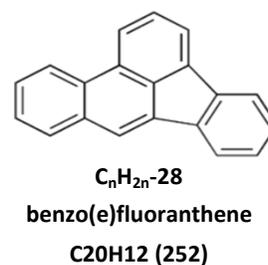
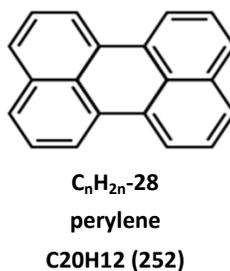
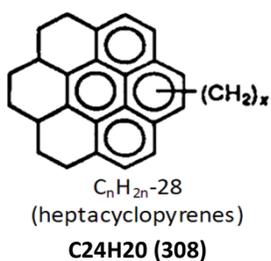
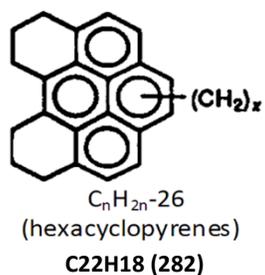
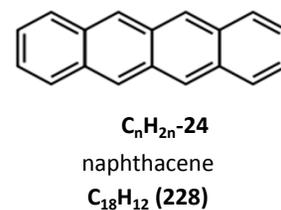
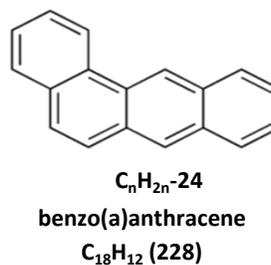
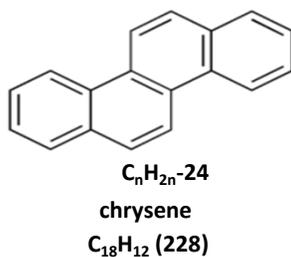
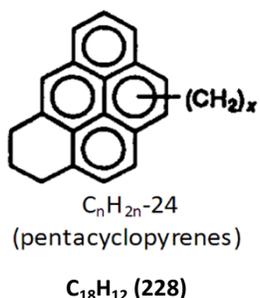
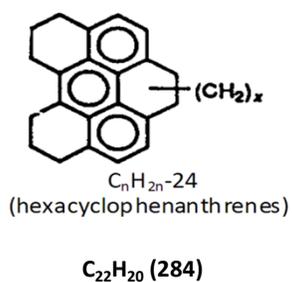
Triaromatics



NOISE CLASSIFICATION OF COMMON HYDROCARBON STRUCTURES

Z = +2 through Z = -34

Tetraaromatics



Pentaaromatics

