Consiglio Nazionale delle Ricerche

Te.M.P.E.

Istituto per la Tecnologia dei Materiali e dei Processi Energetici

ATLAS OF FLUORESCENCE SPECTRA OF AROMATIC HYDROCARBONS

Vol. 1

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Introduction

This Atlas is the electronic version and extension of a collection of fluorescence spectra of aromatic hydrocarbons previously realized on paper support during the period 1991-1992. Subsequent modifications and requests of copies of the Atlas by colleagues, induced the authors to make their work more available to the public by realizing this web version for easy download. In the following there are some introductory remarks for the users of the Atlas.

This Atlas (vol.1) contains the fluorescence spectra of pure aromatic hydrocarbons (only carbon and hydrogen, without non-hydrocarbon substituted or heterocycle compounds) as taken from literature data. In their original form, spectra were represented in different ways, so that they were not directly comparable. From that our decision to build this Atlas. The graphical spectra, taken form different sources, have been digitized with the help of a digital table, then normalized to the maximum, recalculated and interpolated in 0.5 nm wavelength intervals. The results have then been redrawn with the help of the Excel software. The authors are aware that this collection of data is not exhaustive of all the aromatic compounds and all data available in literature. It is the authors desire to continuously upgrade the Atlas at the best of their knowledge by adding new spectra as they appear in the open literature. If readers are aware of data not reported in this Atlas or wish to publish their personal data in this Atlas, please send an e-mail to zizak@tempe.mi.cnr.it. Their work will be duly referenced. We are still collecting spectra of non pure aromatic hydrocarbons and they will be the subject of a future Atlas vol. 2.

In general the spectra refer to solution of pure aromatic compounds in a non-polar solvent (mostly cyclohexane) with some exceptions such as acetonitrile or gas phase. Users must be aware that aromatic compounds in different solutions or experimental conditions can exhibit shifts and modifications in their fluorescence spectrum. The data here presented must be therefore taken with caution. For a direct comparison of the shapes of the spectra of different compounds, all spectra presented in this Atlas are normalized to 100 and the wavelength axis is kept the same. In their present digital form, as given in the Data folder, spectra can be easily handled and combined. However, comparison of intensities requires knowledge of the absorption coefficients at the excitation wavelength, the quantum efficiency for fluorescence in the given experimental conditions and the spectral efficiency of the detection equipment.

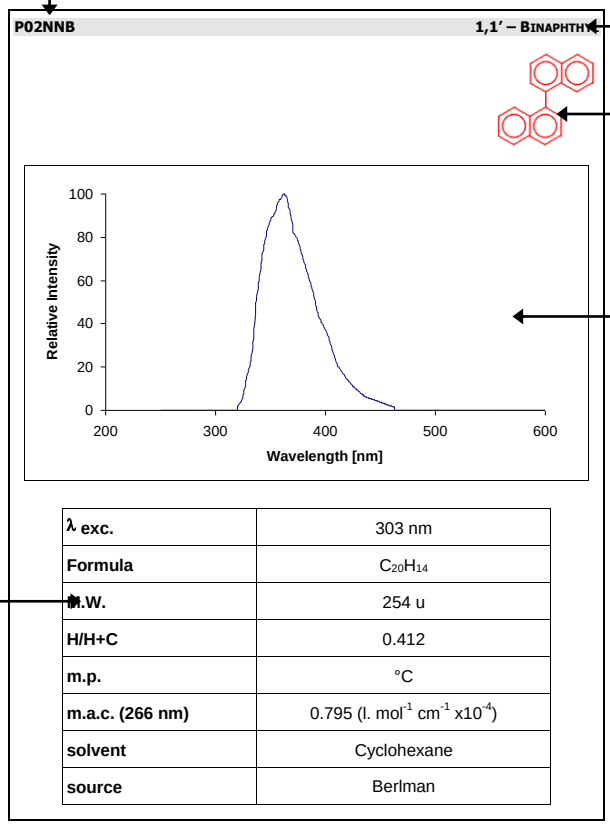
References are reported so that readers can verify the original spectra. Most of data are taken from two reference books. One is the *Spectral Atlas of Polycyclic Aromatic Compounds*, Kluwer Academic Publishing Company, Dordrecht, Holland, vol. I, II and III edited by W.Karcher. The other is the most cited *Handbook of Fluorescence Spectra of Aromatic Molecules*, Academic Press, New York, 1971 by I.B. Berlman. Spectra published on papers are referenced with the usual numerical style. The CNPM-CNR reference refers to unpublished data taken by the authors during the 1991-1992 years. The experimental apparatus was very simple. Mild heating of individual aromatic compounds, produced vapors then carried by a nitrogen flow out of a short brass pipe in quiescent air. Fluorescence was induced by the fourth harmonic (266 nm) of a pulsed Nd:YAG laser just above the exit of the vapors duct. LIF spectra were collected with a quartz optics a low resolution spectrograph (JY UFS 200) equipped with a gated intensified multichannel diode array detector (Tracor Northern TN 6132). Careful tests were carried out to verify that no residues were left when changing from one compound to another. Most of the measurements resulted from the integration of 200 laser shots with a measuring time of less than one minute.

In the Atlas each page contains one fluorescence spectrum of a specific aromatic compound. Some compounds have different spectra as taken from different literature sources. Some compounds have also different names. In the Atlas the spectra are ordered according to their **file name** (see further on). In each page some useful additional information are also given.

Page structure:

FILE NAME
This refers to the file name of the numerical data. These numerical data are contained in a file at the end of the Atlas.
The numerical data are two columns: one for wavelengths (in nm) and one for the fluorescence intensity. The data are given with a **.dat** extension and can be read with Notepad, Fortran, Excel applications.

In a **FRAMED TABLE**:
1. Excitation wavelength
2. Aromatic formula
3. Molecular weight
4. Hydrogen mole fraction (H/H+C)
5. Melting point (m.p.)
6. Molar absorption coefficient (m.a.c.) at 266 nm
7. Solvent
8. Reference source



COMPOUND NAME

STRUCTURE DRAWING

SPECTRUM DRAWING

NOTE

FILE NAMES are given in a somewhat arbitrary way, in a combination of up to 7 characters (letters and numbers) according to the following PAH file name criterion:

PAH FILE NAME CRITERION

P123456.dat

P PAH (stands for all aromatic structures)
12 firsts two characters stand for:
a) number of fused aromatic rings (ex: 01, 02, ..15)
b) BP means biphenyl structure
c) FL means a fluoranthene structure
3 a letter or a number to label a particular structure within the range defined by the first two characters. In the particular case c) a number to indicate the total number of aromatic rings
456 combination of letters and numbers to indicate a different structure and/or solvent and/or excitation wavelength. In general:
M indicates a methylated PAH
The last letter can indicate a different solvent (A = acetonitrile, G = gas phase)
The last number indicates a different data file.

References

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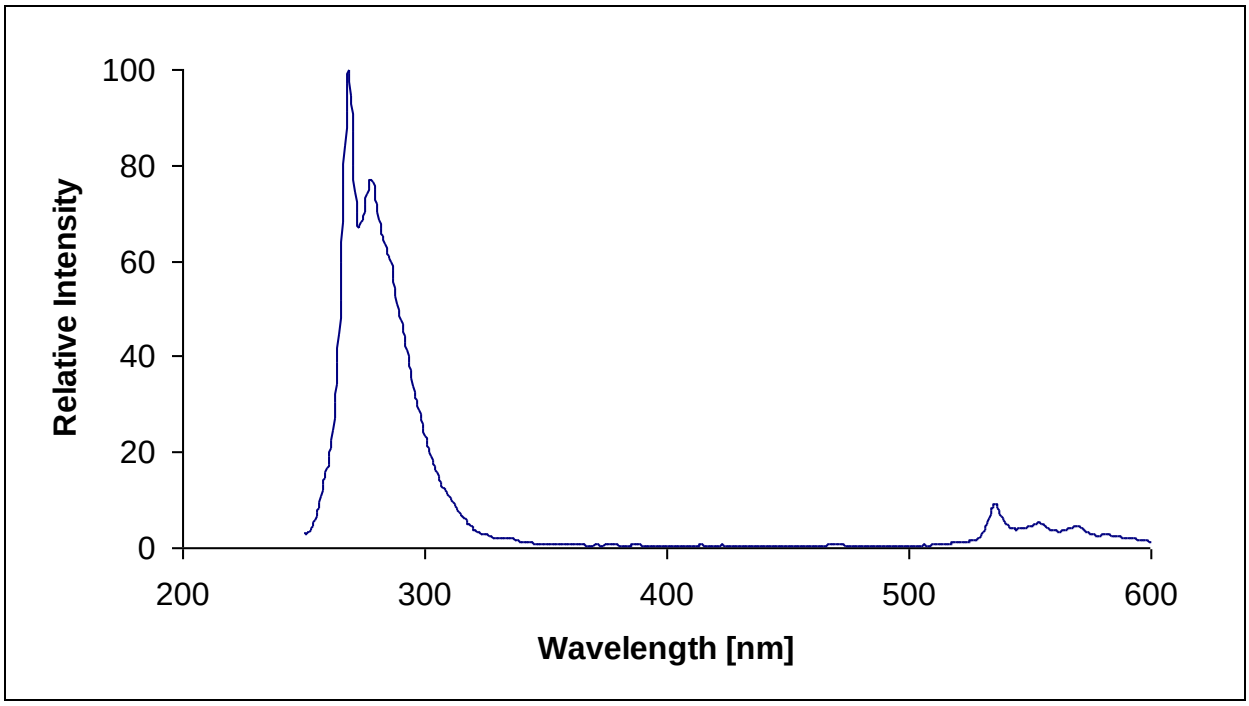
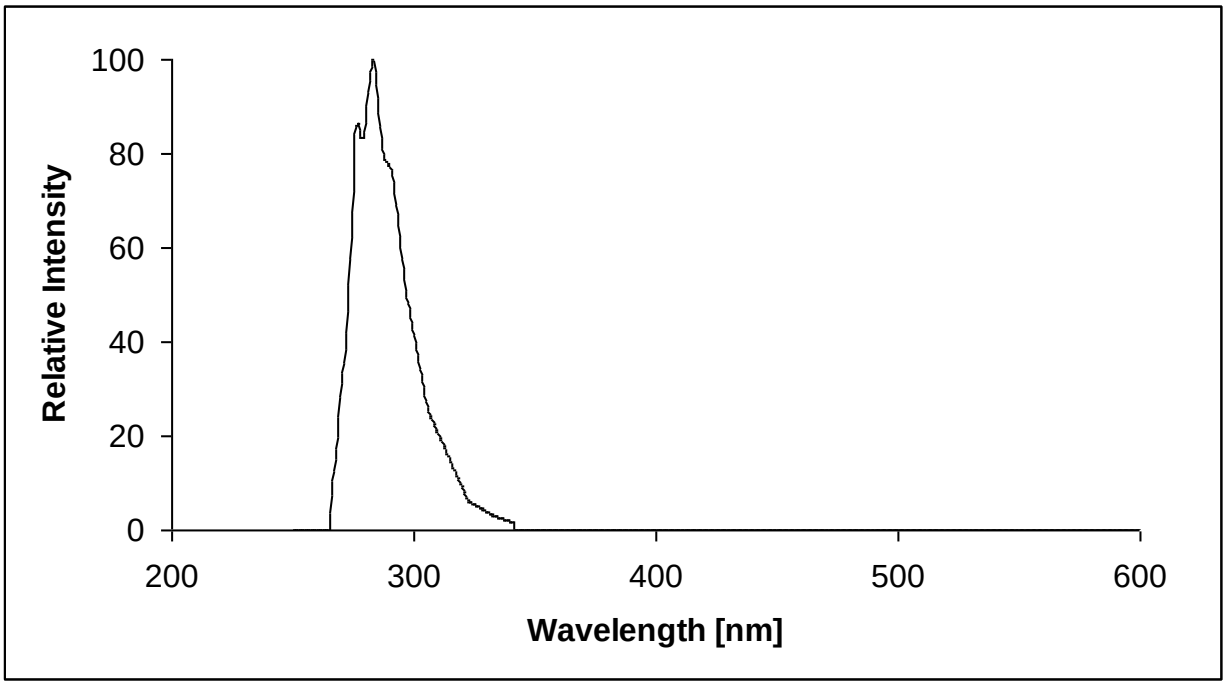
List of compounds

P01B0G Benzene



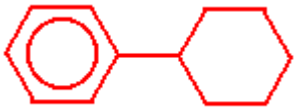
λ exc.	266 nm
Formula	C_6H_6
M.W.	78 u
H/H+C	0.5
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 300 K
source	CNPM-CNR

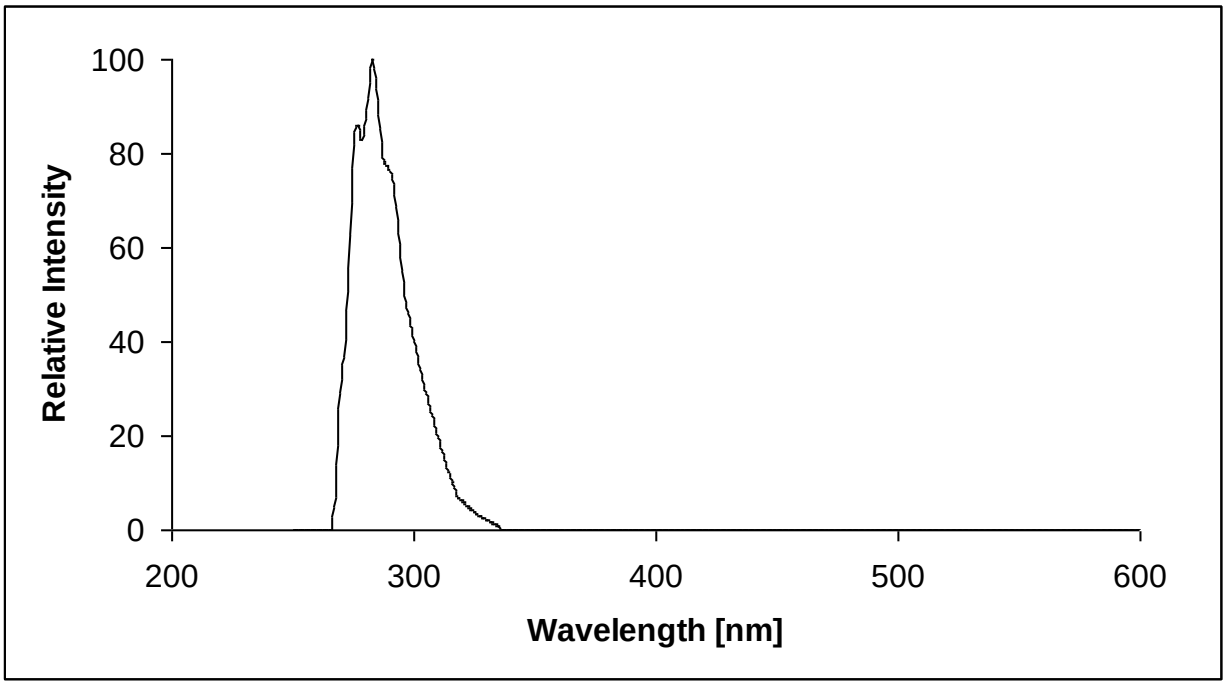
P01BB Sec-Butylbenzene



λ exc.	265 nm
Formula	$C_{10}H_{14}$
M.W.	134 u
H/H+C	0.583
m.p.	°C
m.a.c. (266 nm)	0.0111 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

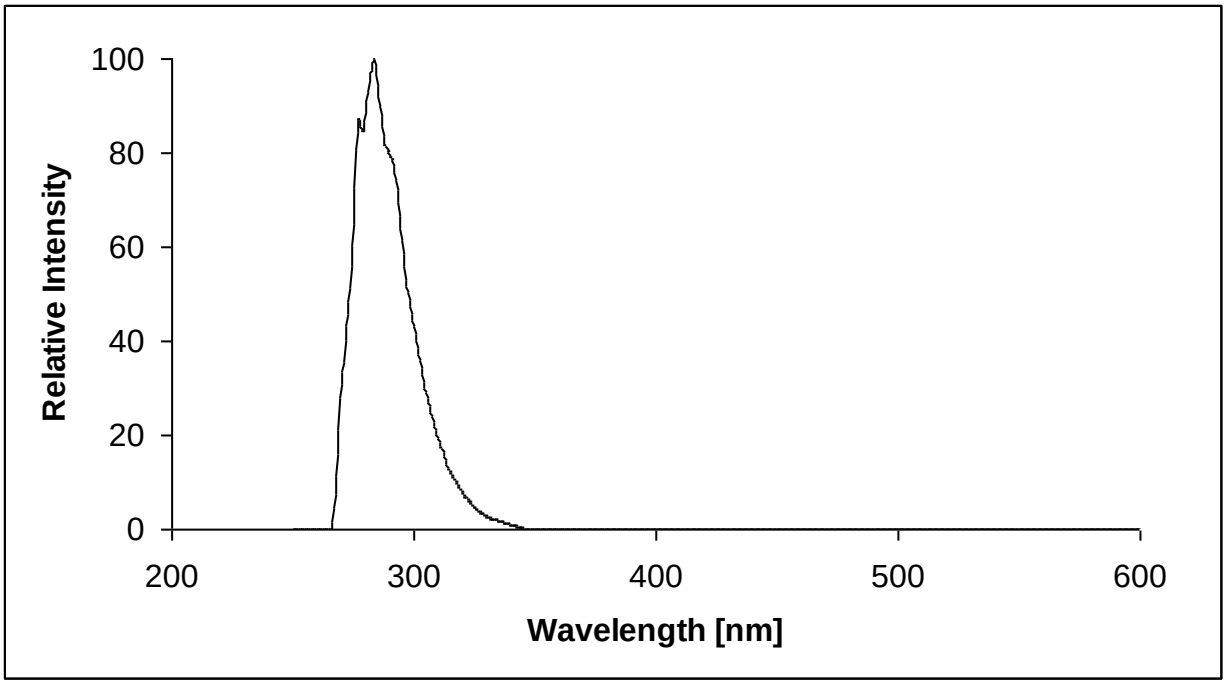
P01BC Phenylcyclohexane





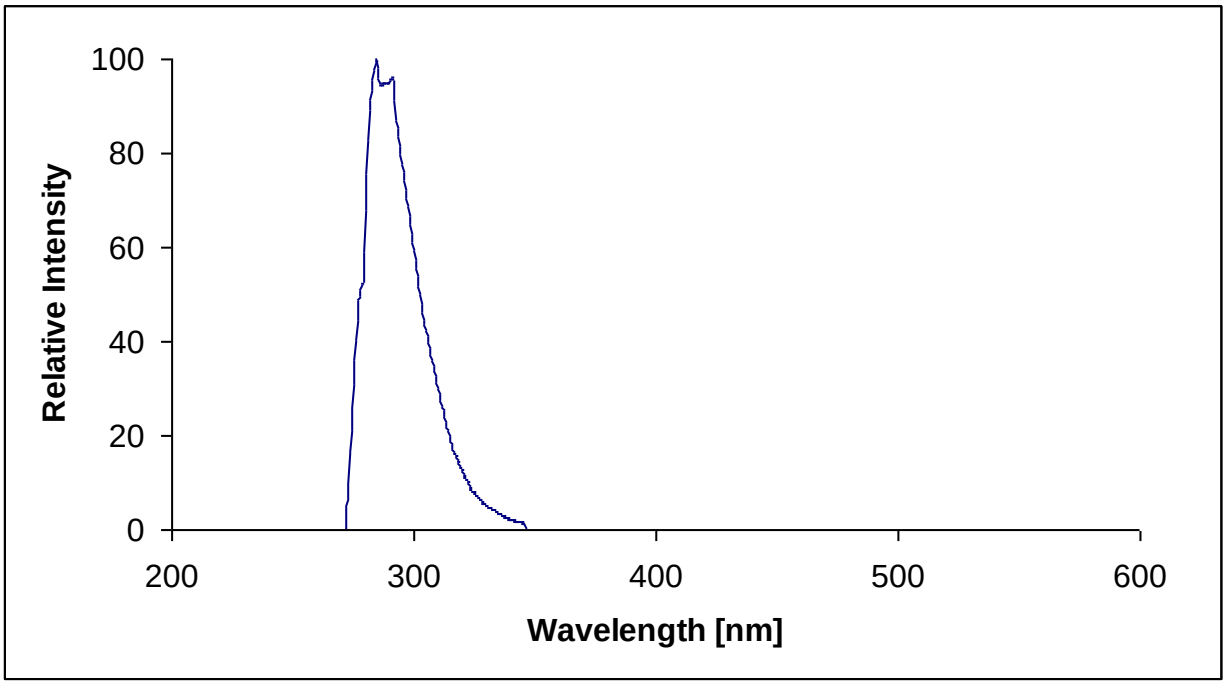
λ exc.	265 nm
Formula	$C_{12}H_{16}$
M.W.	160 u
H/H+C	0.571
m.p.	°C
m.a.c. (266 nm)	0.0135 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P01BE Ethylbenzene



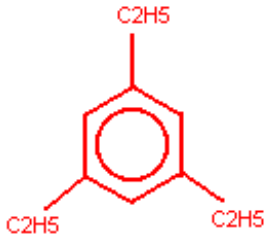
λ exc.	265 nm
Formula	C_8H_{10}
M.W.	106 u
H/H+C	0.556
m.p.	°C
m.a.c. (266 nm)	0.016 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

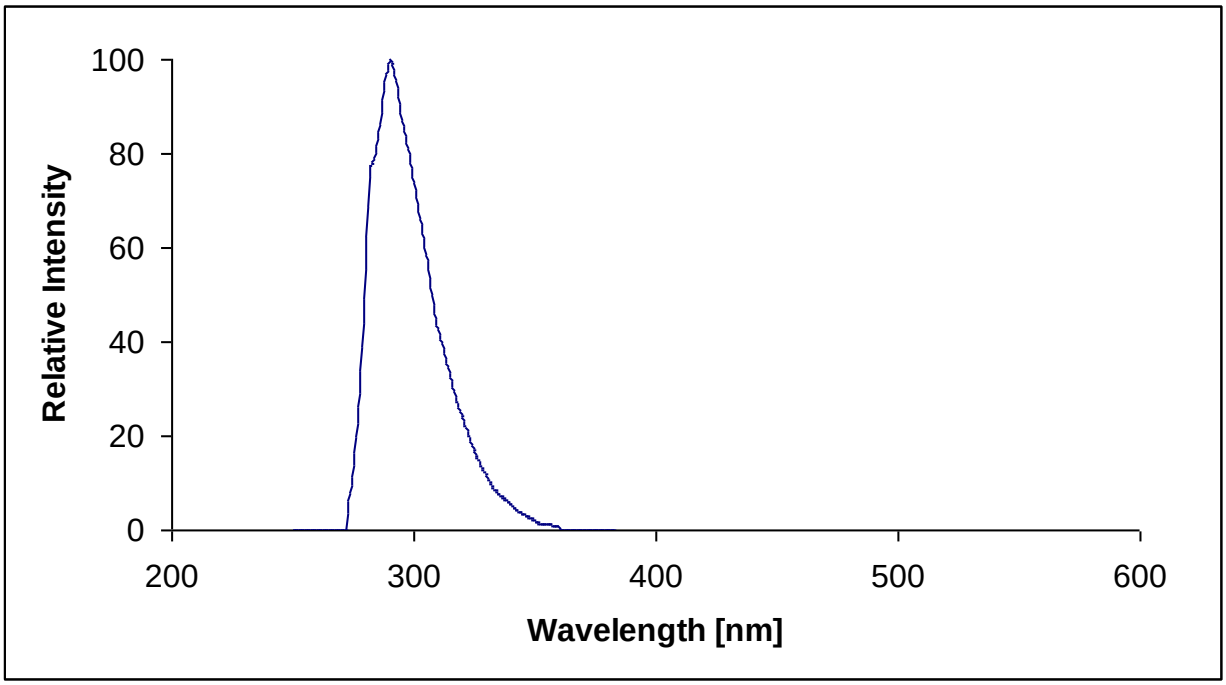
P01BEM 1 – Methyl-4-Ethylbenzene



λ exc.	265 nm
Formula	C_9H_{12}
M.W.	120 u
H/H+C	0.571
m.p.	°C
m.a.c. (266 nm)	0.0425 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

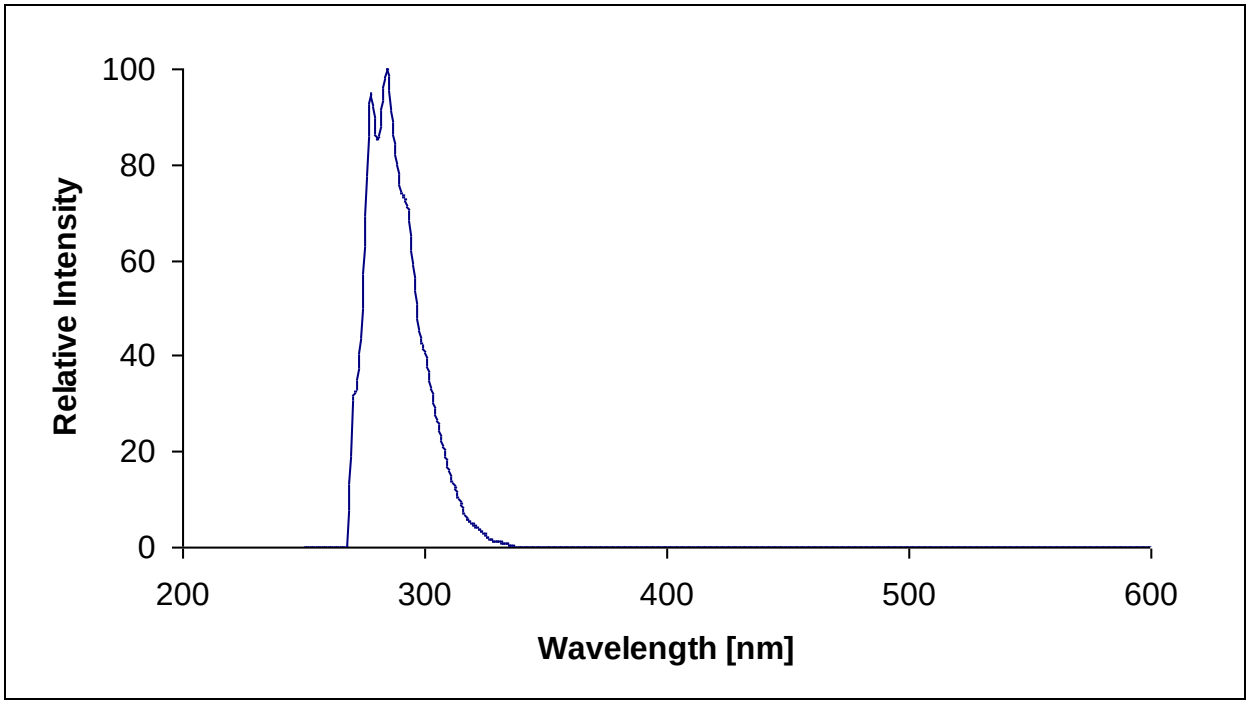
P01BES 1,3,5 – Triethylbenzene





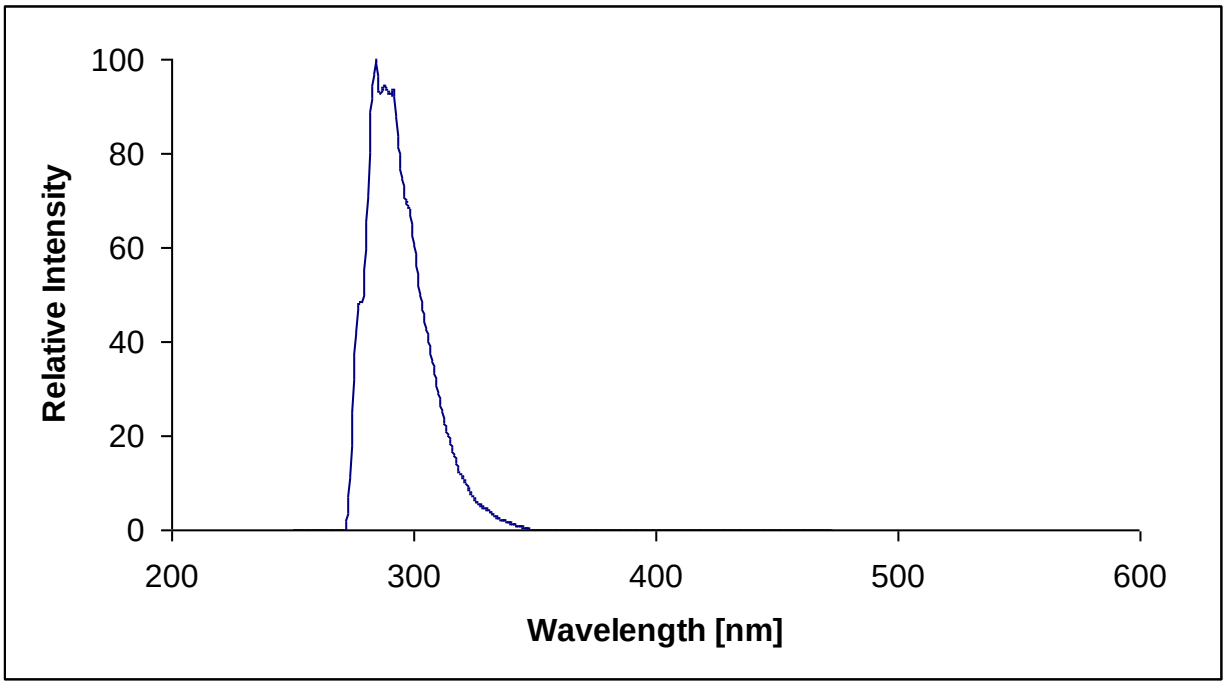
λ exc.	265 nm
Formula	$C_{12}H_{18}$
M.W.	162 u
H/H+C	0.600
m.p.	°C
m.a.c. (266 nm)	0.0187 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P01BM — Toluene



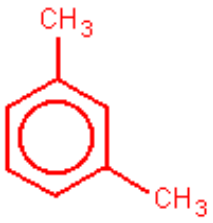
λ exc.	265 nm
Formula	C_7H_8
M.W.	92 u
H/H+C	0.533
m.p.	°C
m.a.c. (266 nm)	0.014 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

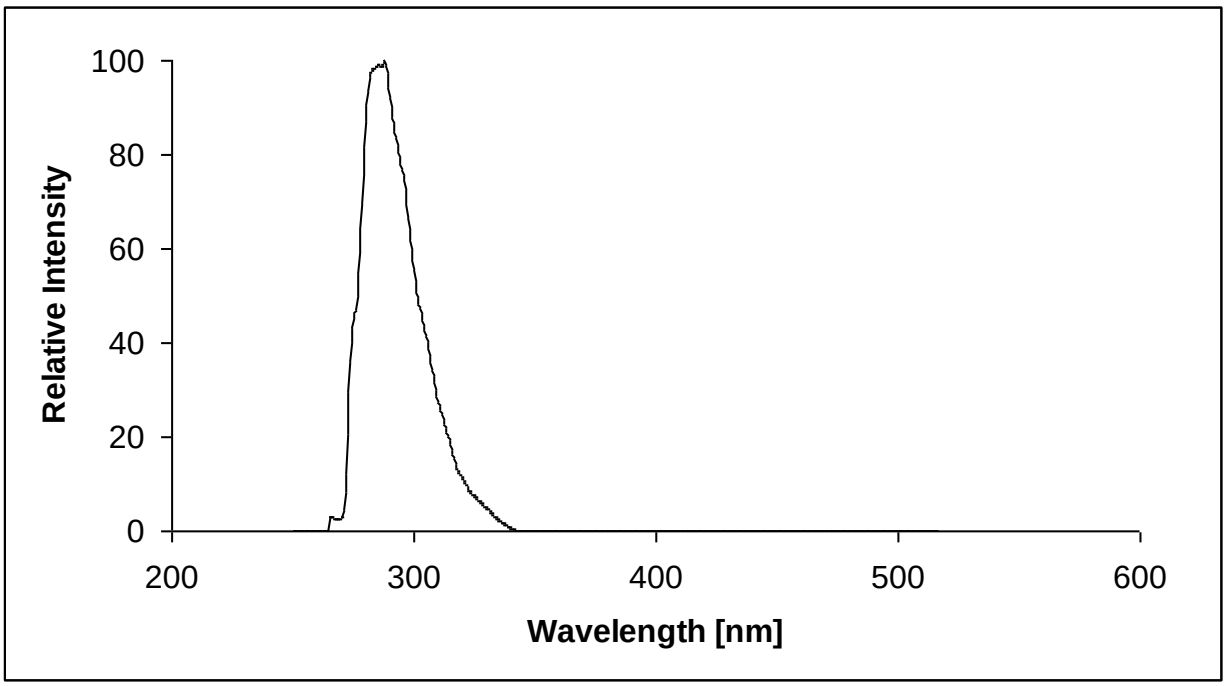
P01BMJ P-xylene



λ exc.	265 nm
Formula	C_8H_{10}
M.W.	106 u
H/H+C	0.556
m.p.	°C
m.a.c. (266 nm)	0.0515 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

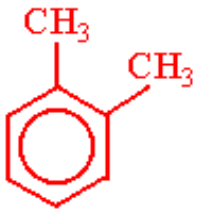
P01BMK M-xylene

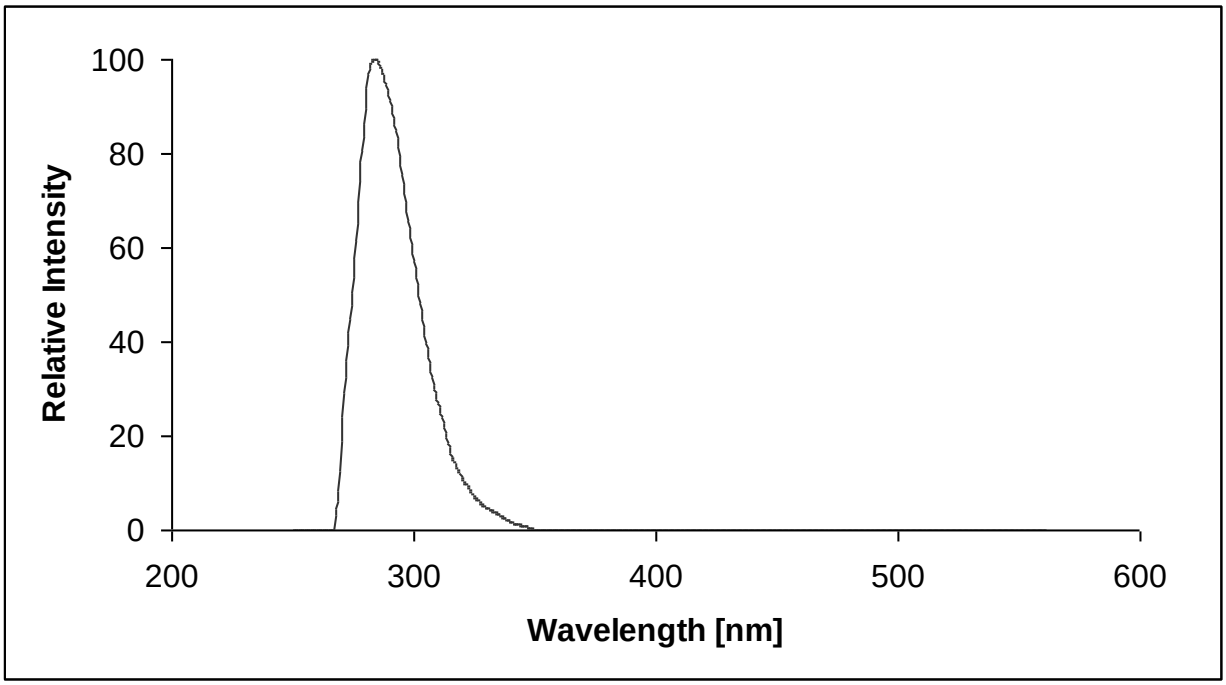




λ exc.	265 nm
Formula	C_8H_{10}
M.W.	106 u
H/H+C	0.556
m.p.	°C
m.a.c. (266 nm)	0.027 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P01BML O-xylene

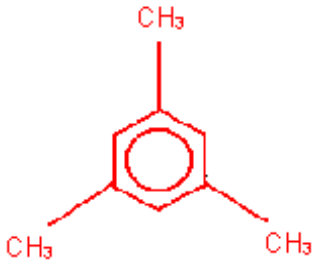


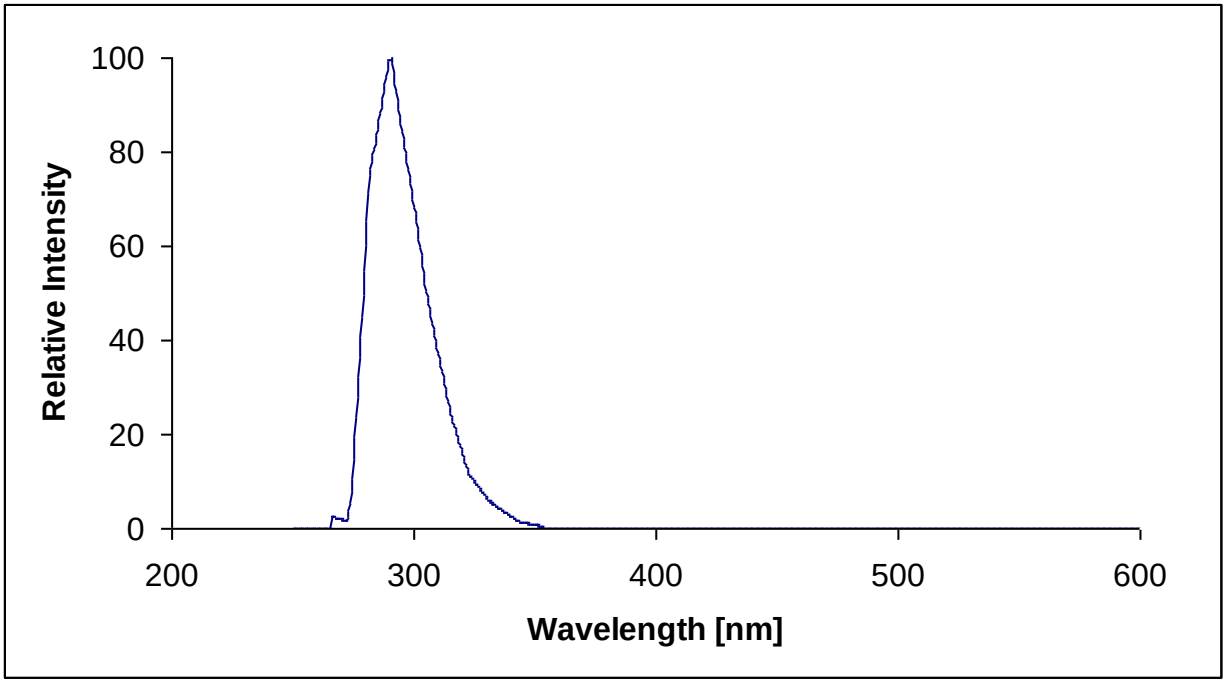


λ exc.	265 nm
Formula	C_8H_{10}
M.W.	106 u
H/H+C	0.556
m.p.	°C
m.a.c. (266 nm)	0.0245 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P01BMS 1,3,5 – Trimethylbenzene

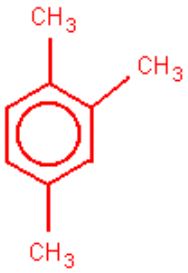
Mesitylene

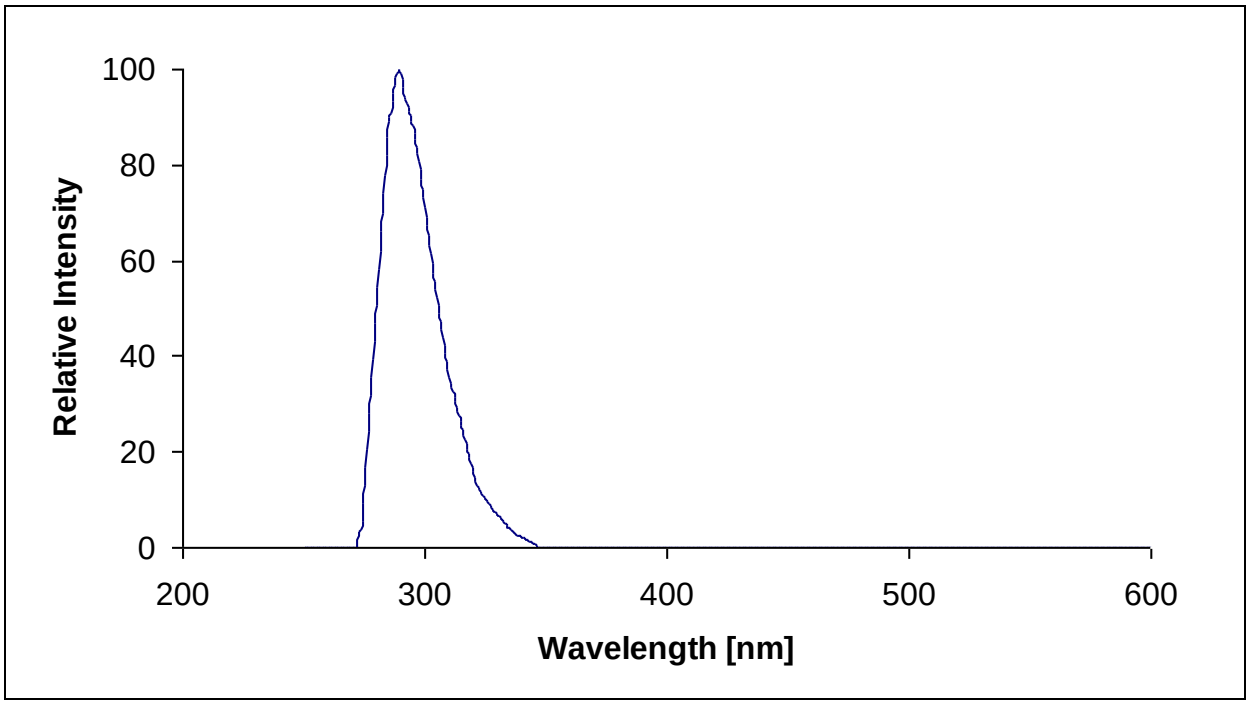




λ exc.	265 nm
Formula	C_9H_{12}
M.W.	120 u
H/H+C	0.571
m.p.	°C
m.a.c. (266 nm)	0.023 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

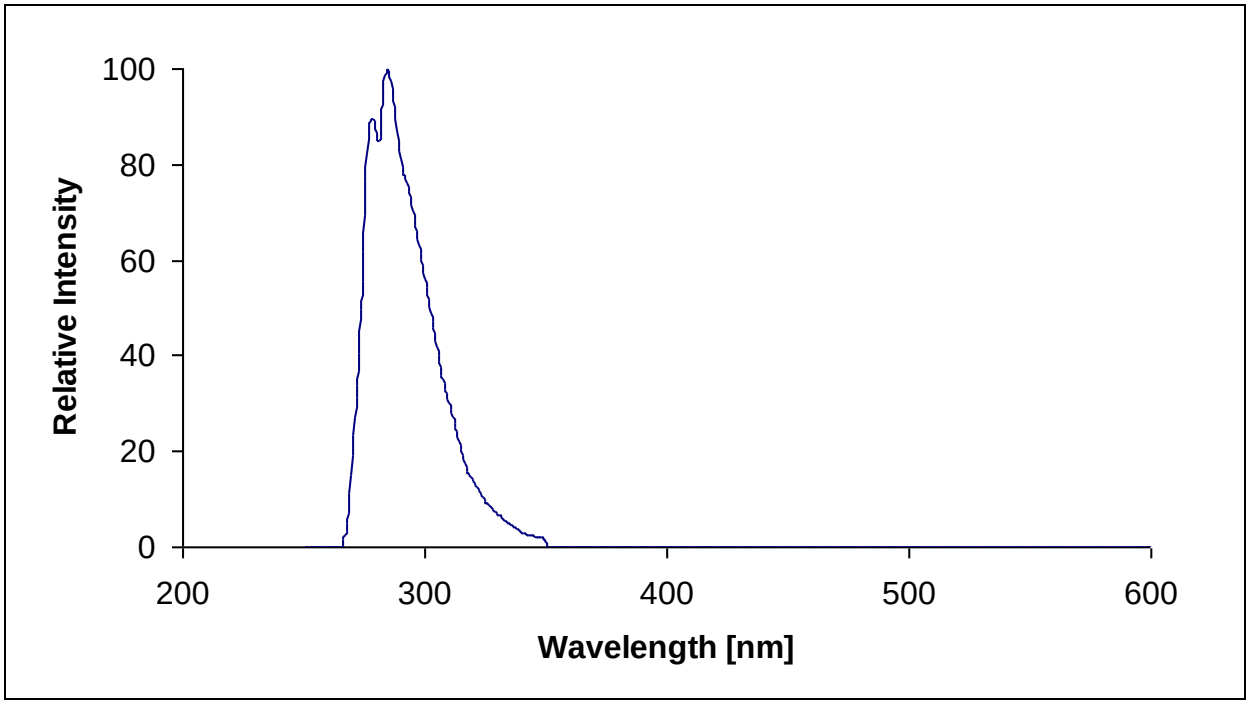
P01BMT 1,2,4 – Trimethylbenzene





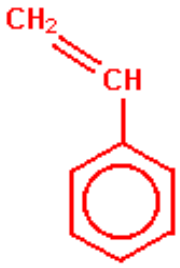
λ exc.	265 nm
Formula	C_9H_{12}
M.W.	120 u
H/H+C	0.571
m.p.	°C
m.a.c. (266 nm)	0.0565 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

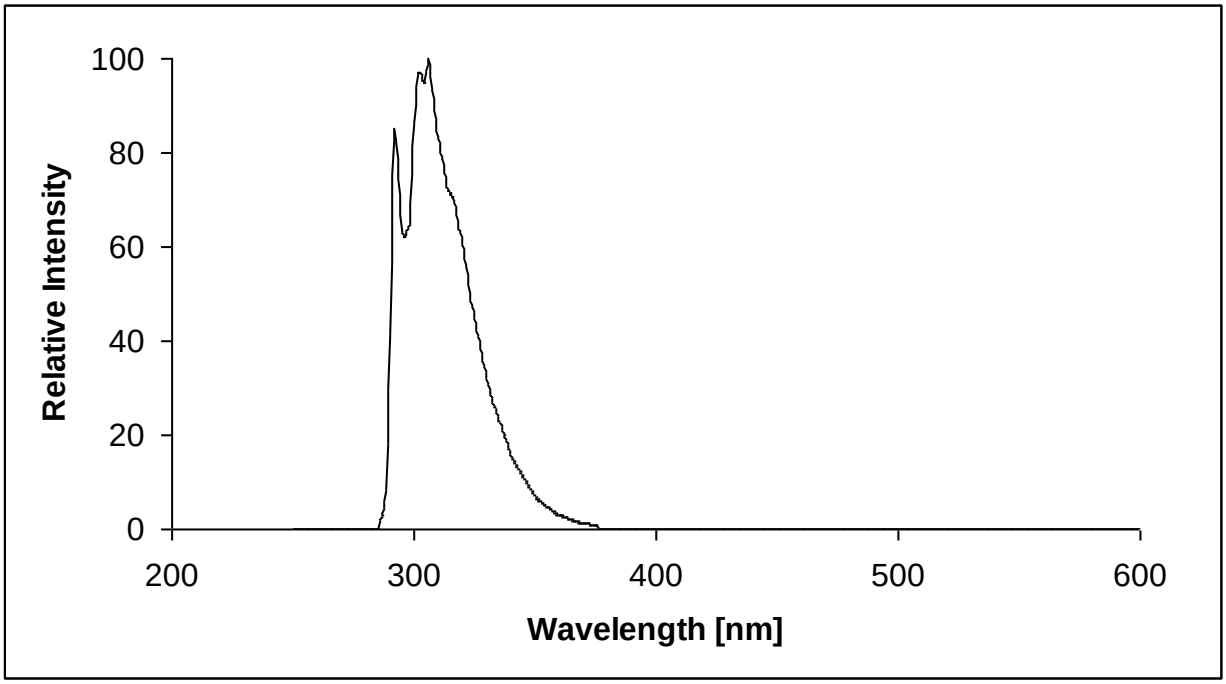
P01BR Prophylbenzene



λ exc.	265 nm
Formula	C_9H_{12}
M.W.	120 u
H/H+C	0.571
m.p.	°C
m.a.c. (266 nm)	0.0155 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

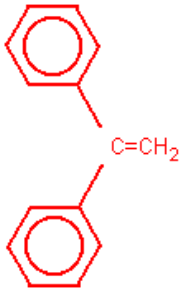
P01BS Styrene

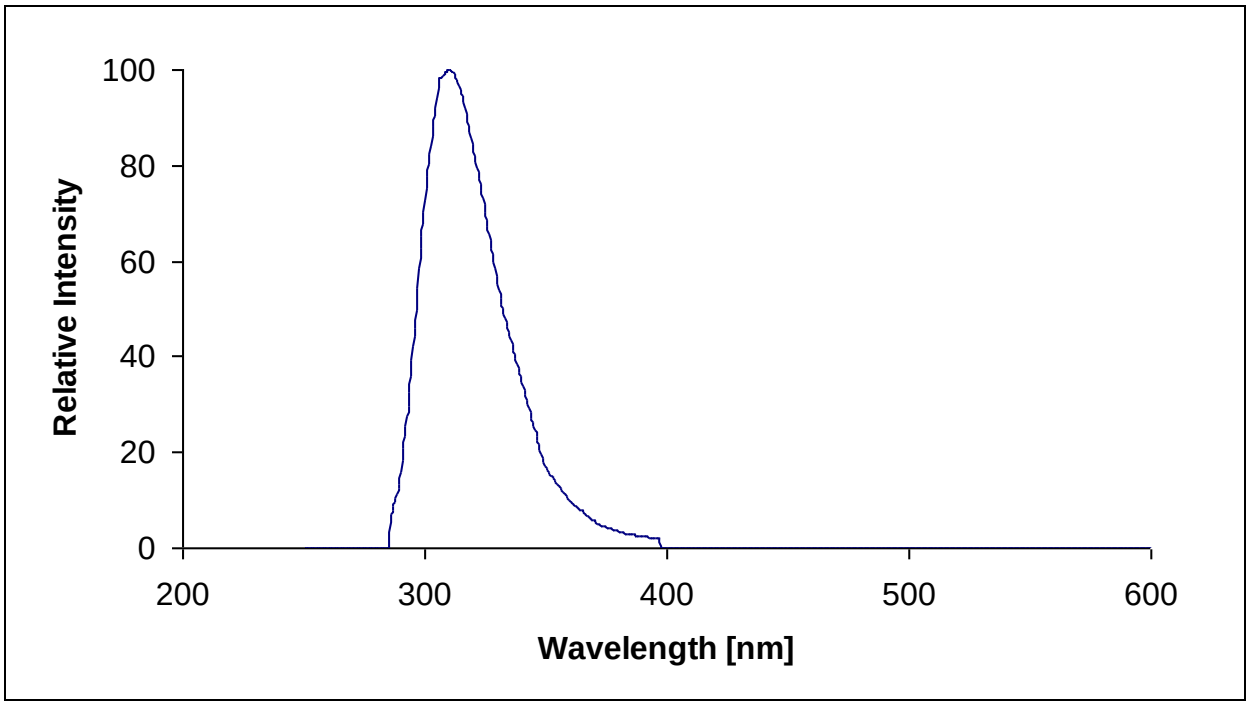




λ exc.	253.5 nm
Formula	$C8H_8$
M.W.	104 u
H/H+C	0.500
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

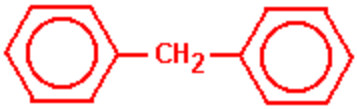
P01DPE 1,1 – Diphenylethylene

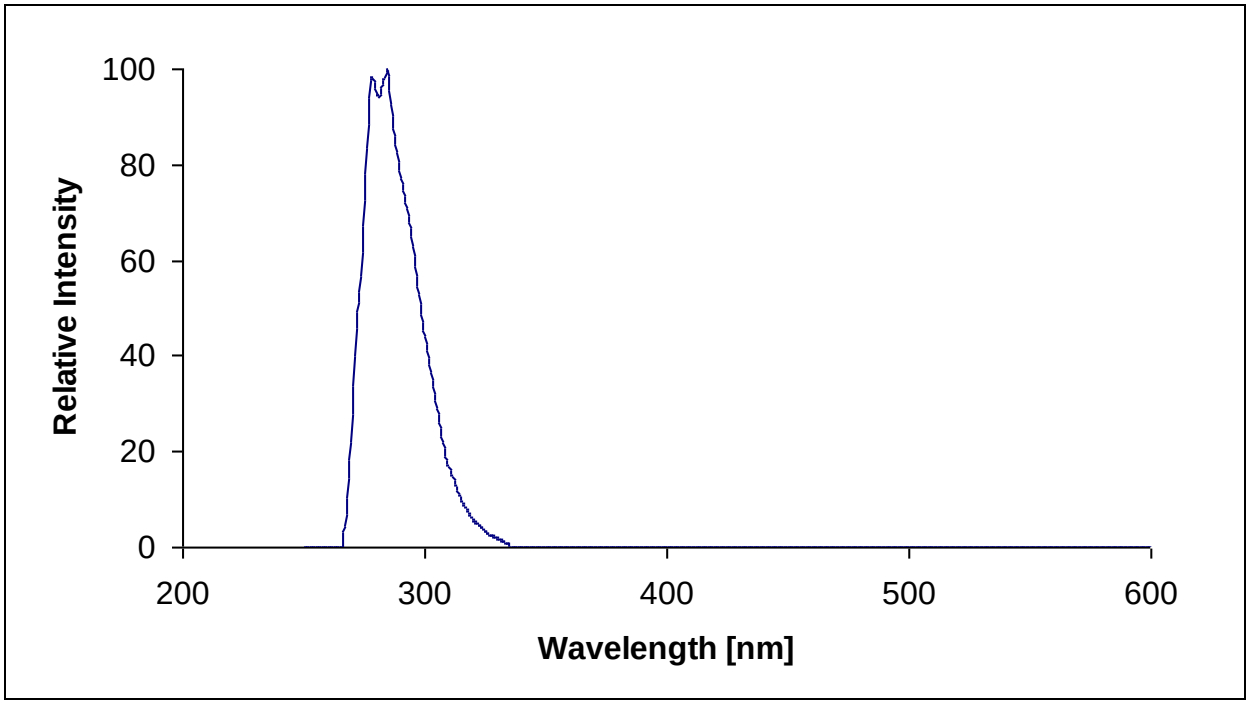




λ exc.	265 nm
Formula	$C_{14}H_{12}$
M.W.	180 u
H/H+C	0.462
m.p.	°C
m.a.c. (266 nm)	0.600 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

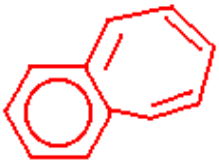
P01DPM Diphenylmethane

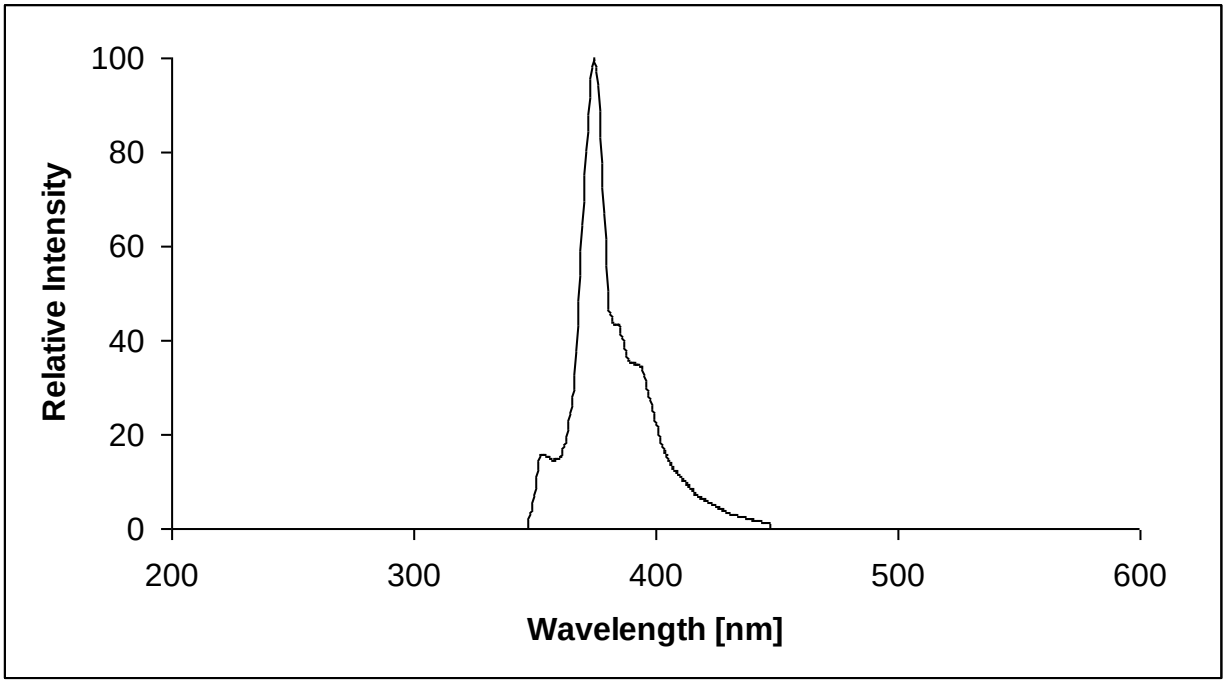




λ exc.	265 nm
Formula	$C_{13}H_{12}$
M.W.	168 u
H/H+C	0.480
m.p.	°C
m.a.c. (266 nm)	0.0315 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

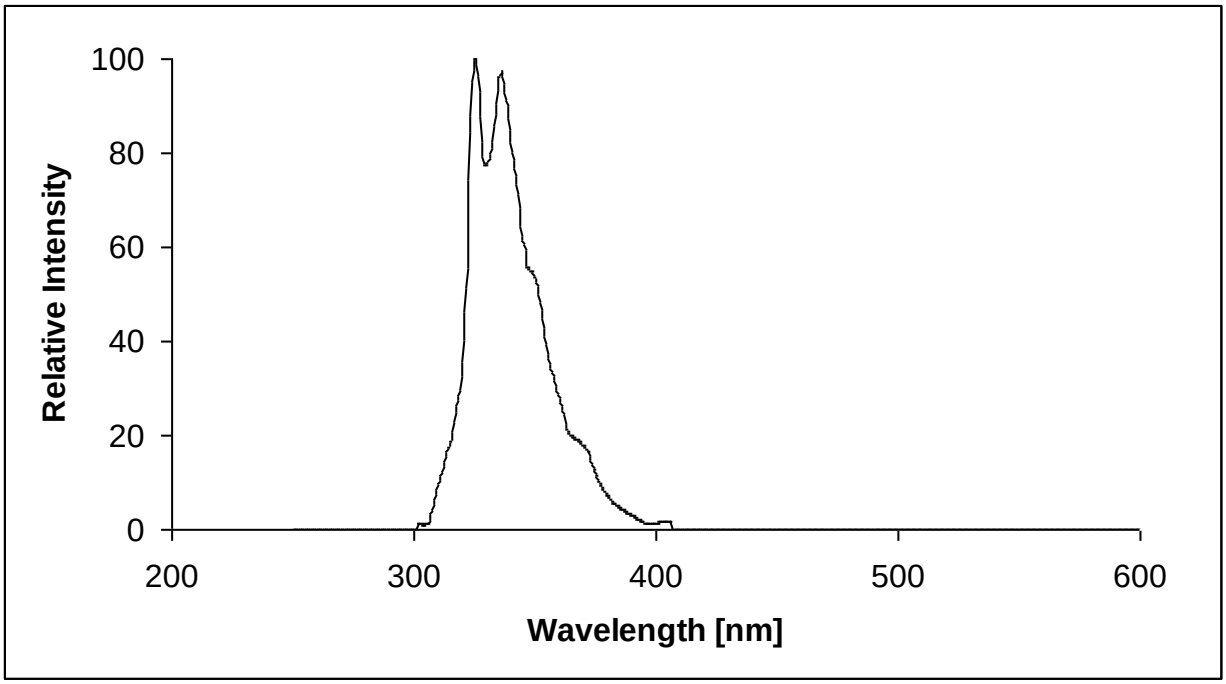
P01Z Azulene





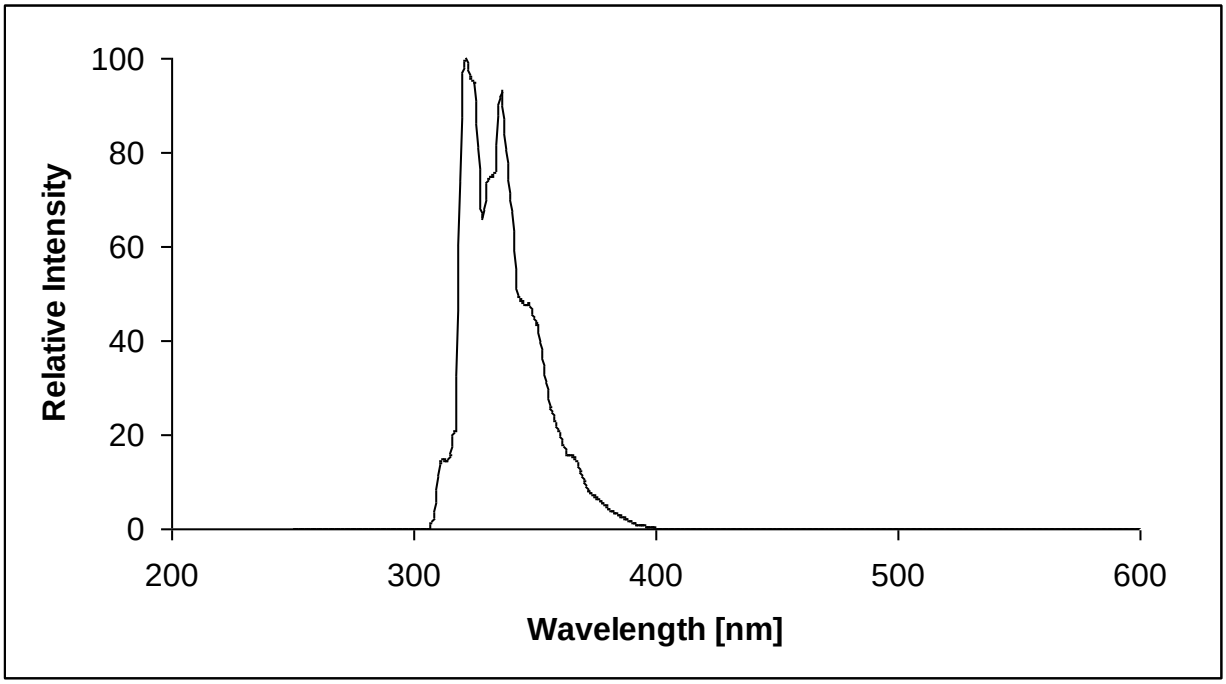
λ exc.	313 nm
Formula	$C_{10}H_8$
M.W.	128 u
H/H+C	0.444
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P02N01 Naphthalene(1)



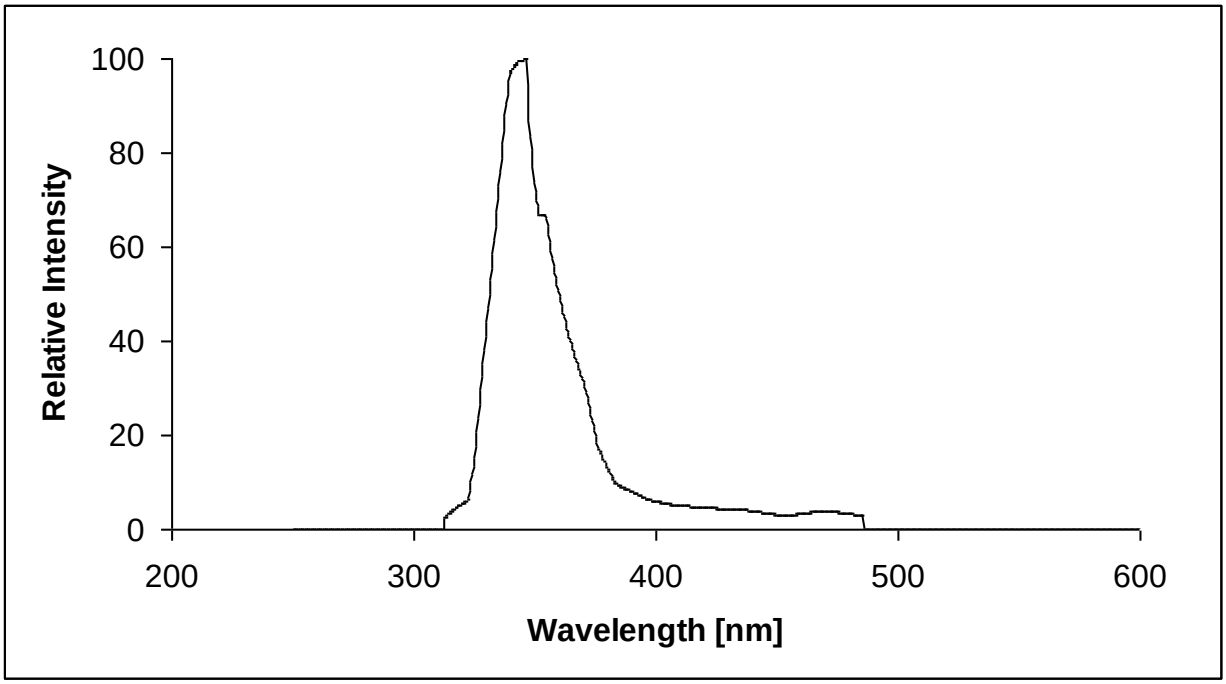
λ exc.	275 nm
Formula	$C_{10}H_8$
M.W.	128 u
H/H+C	0.444
m.p.	81°C
m.a.c. (266 nm)	0.62 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 56-II

P02N02 Naphthalene(2)



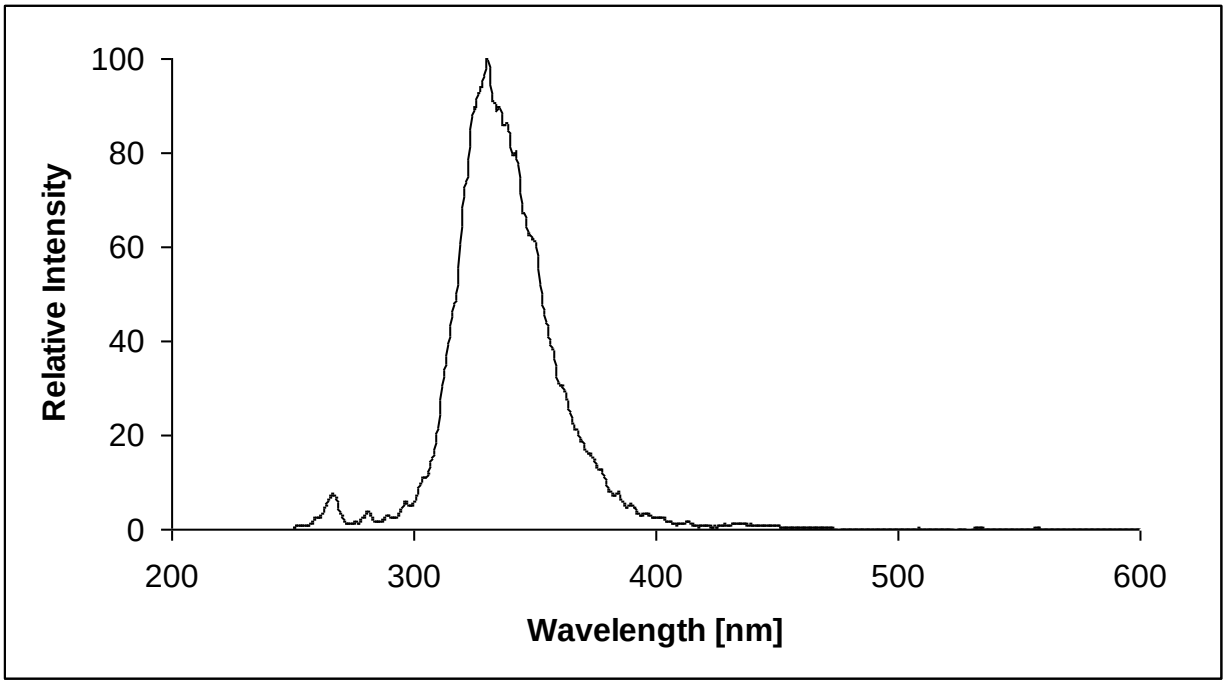
λ exc.	265 nm
Formula	$C_{10}H_8$
M.W.	128 u
H/H+C	0.444
m.p.	°C
m.a.c. (266 nm)	0.535 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P02N0A Naphthalene(3)



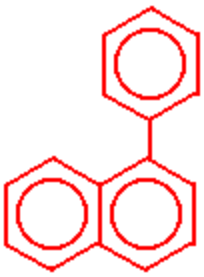
λ exc.	220 nm
Formula	$C_{10}H_8$
M.W.	128 u
H/H+C	0.444
m.p.	81°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Acetonitrile
source	[10]

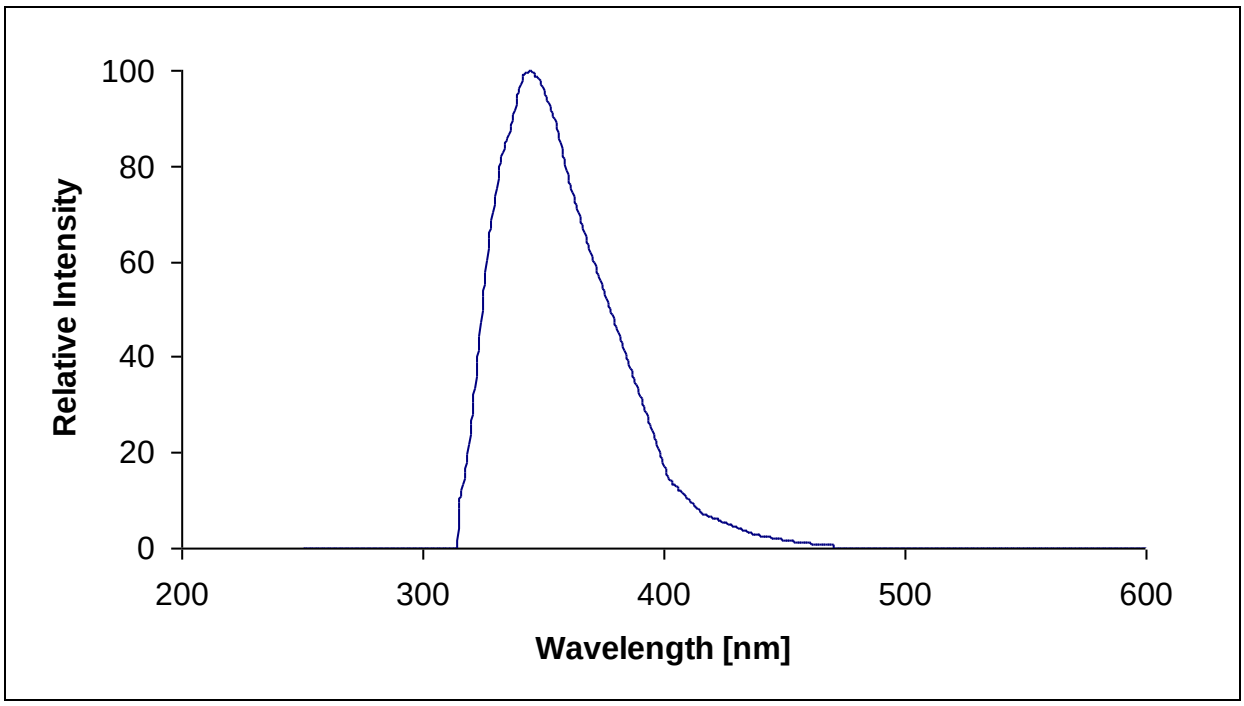
P02N0G Naphthalene(4)



λ exc.	266 nm
Formula	$C_{10}H_8$
M.W.	128 u
H/H+C	0.444
m.p.	81°C
m.a.c. (266 nm)	0.62 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 400 K
source	CNPM

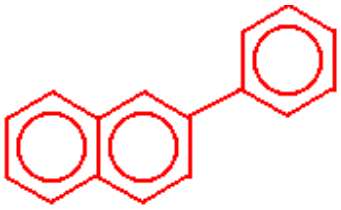
P02NBA 1-Phenylnaphthalene

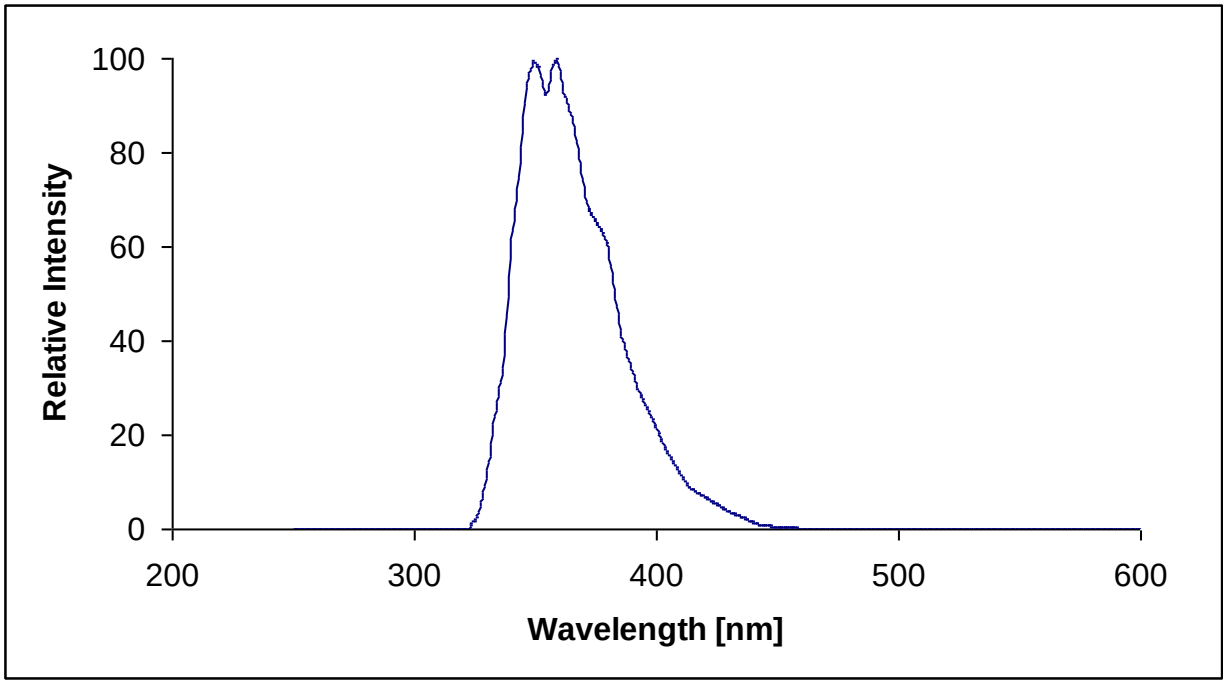




λ exc.	303 nm
Formula	$C_{16}H_{12}$
M.W.	204 u
H/H+C	0.429
m.p.	°C
m.a.c. (266 nm)	0.58 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

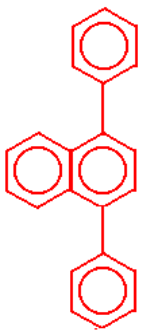
P02NBB 2 – Phenylnaphthalene

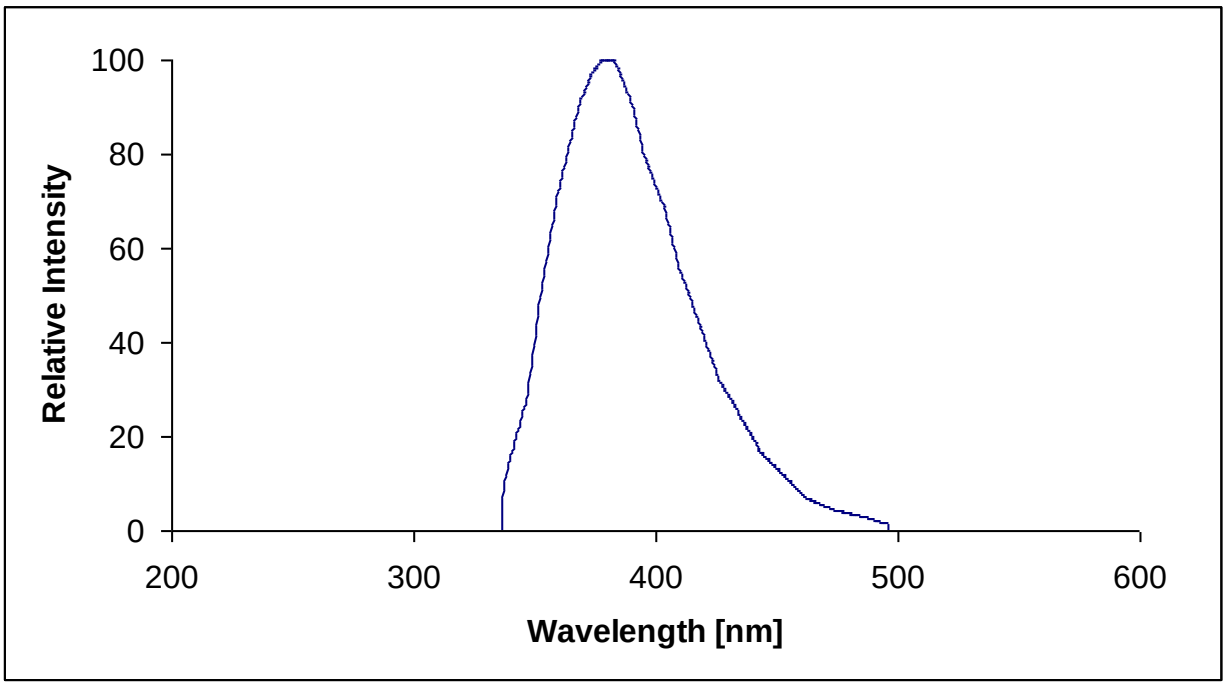




λ exc.	304 nm
Formula	$C_{16}H_{12}$
M.W.	204 u
H/H+C	0.429
m.p.	°C
m.a.c. (266 nm)	11 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

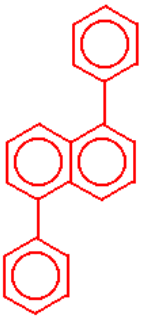
P02NBJ 1,4 – Diphenylnaphthalene

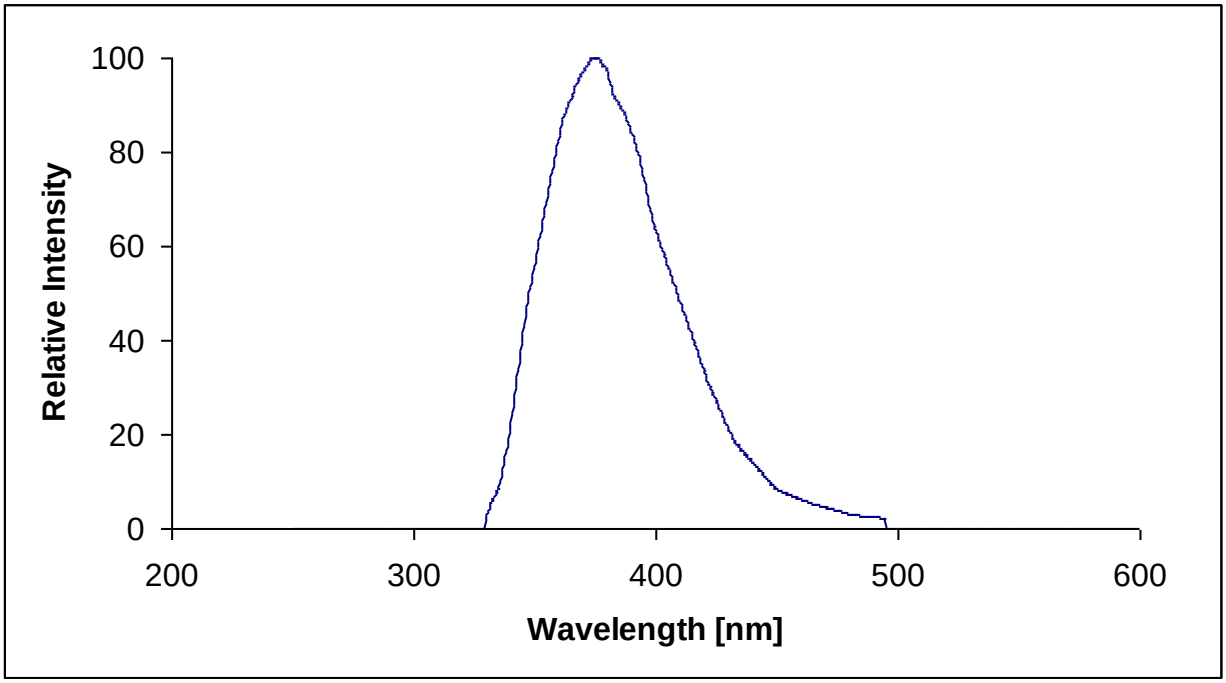




λ exc.	313 nm
Formula	$C_{22}H_{16}$
M.W.	280 u
H/H+C	0.421
m.p.	°C
m.a.c. (266 nm)	0.450 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

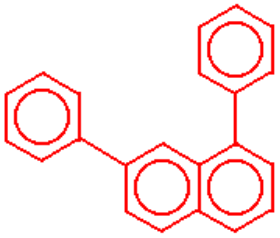
P02NBK 1,5 – Diphenylnaphthalene

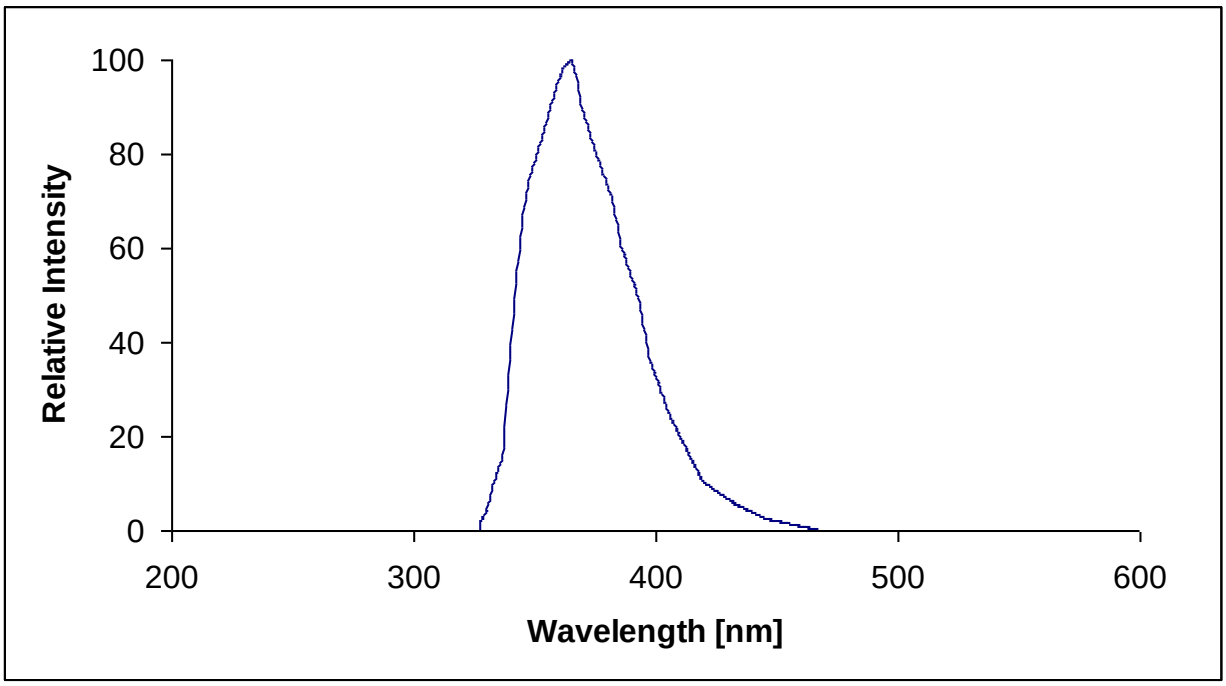




λ exc.	304 nm
Formula	$C_{22}H_{16}$
M.W.	280 u
H/H+C	0.421
m.p.	°C
m.a.c. (266 nm)	0.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

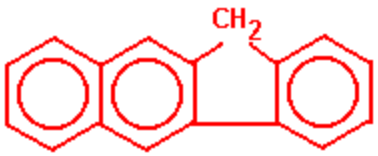
P02NBL 1,7 – Diphenylnaphthalene

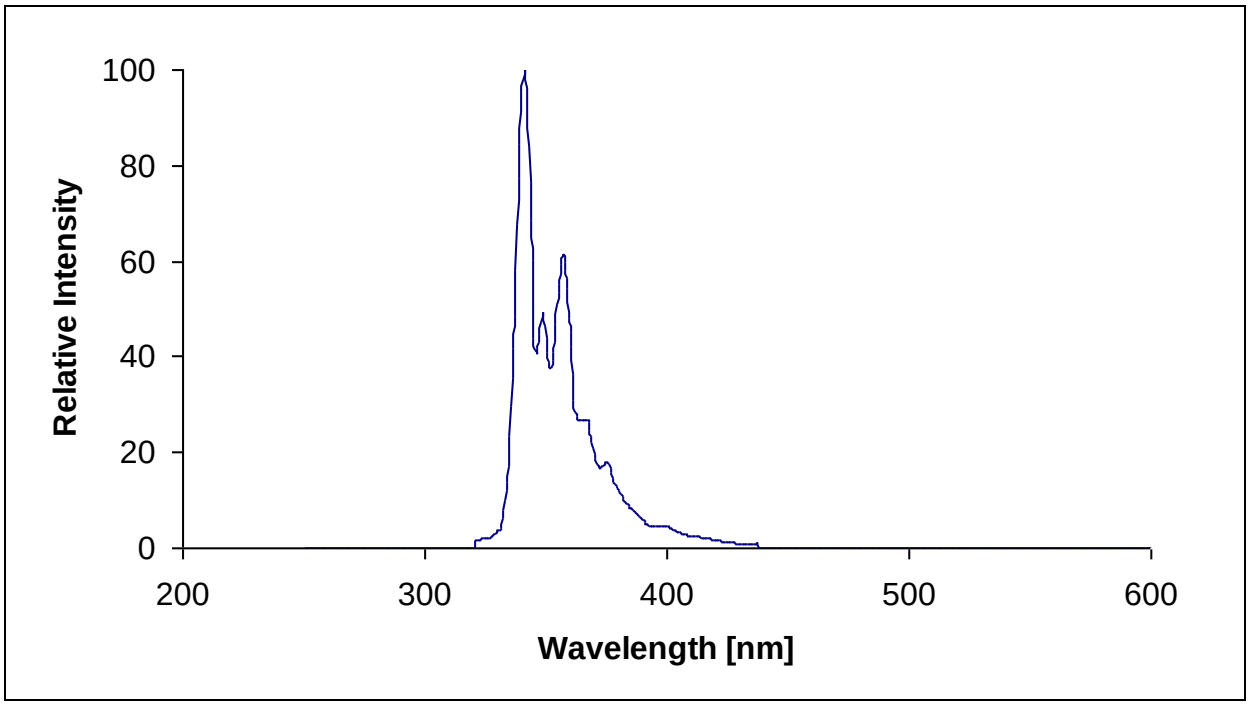




λ exc.	303 nm
Formula	$C_{22}H_{16}$
M.W.	280 u
H/H+C	0.421
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

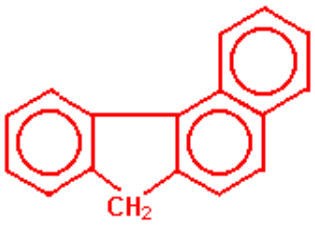
P02NFA 11H-Benzo(b)fluorene

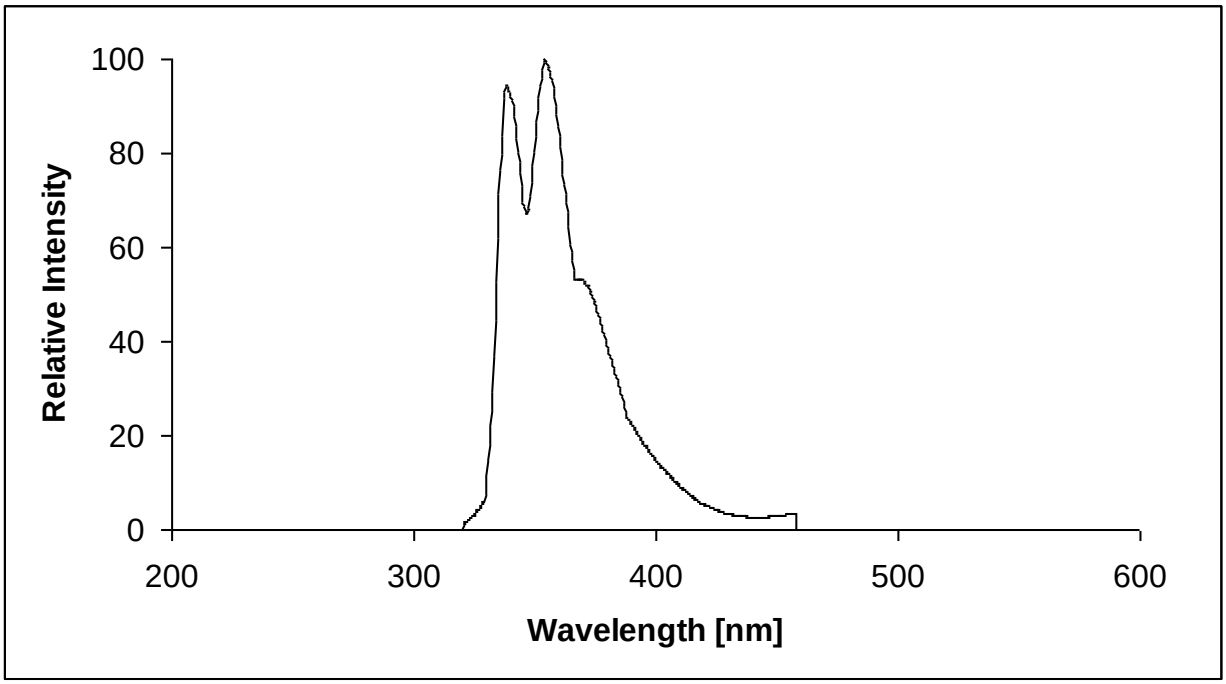




λ exc.	304 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	213.5 °C
m.a.c. (266 nm)	4.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 176-II

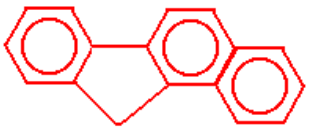
P02NFB 7H – Benzo(c)fluorene

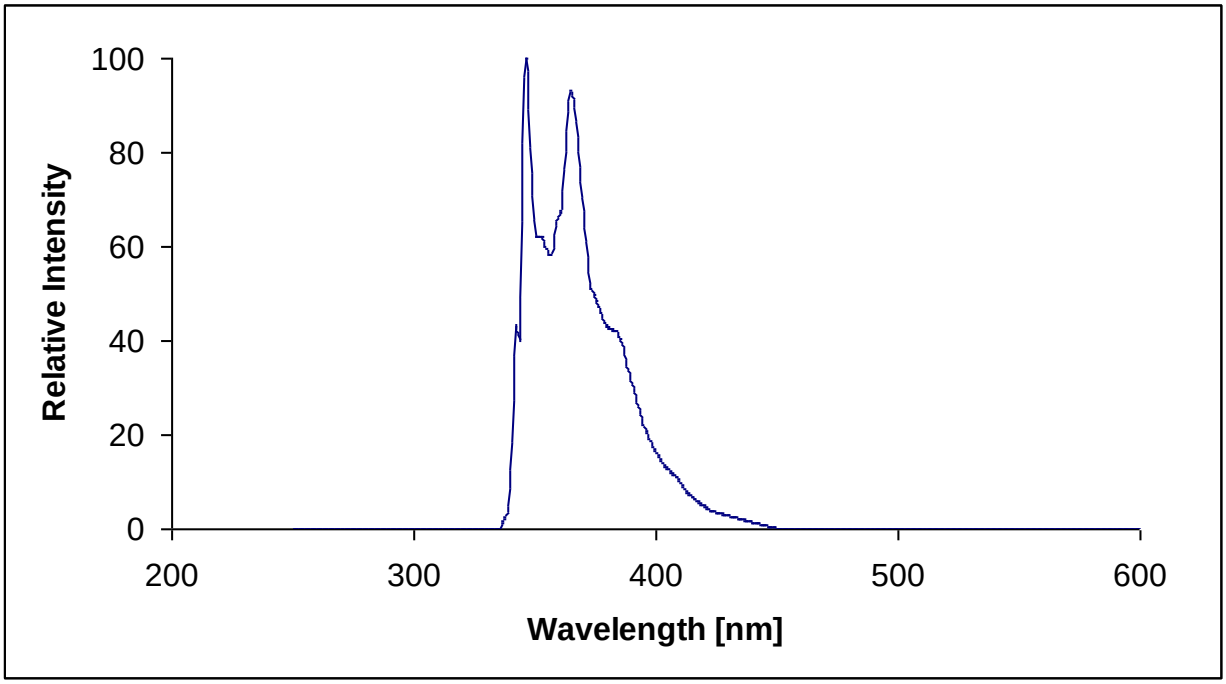




λ exc.	311 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	126.5°C
m.a.c. (266 nm)	0.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 194-II

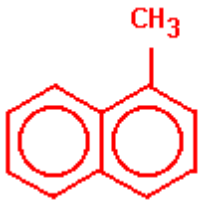
P02NFC 1,2 – Benzofluorene

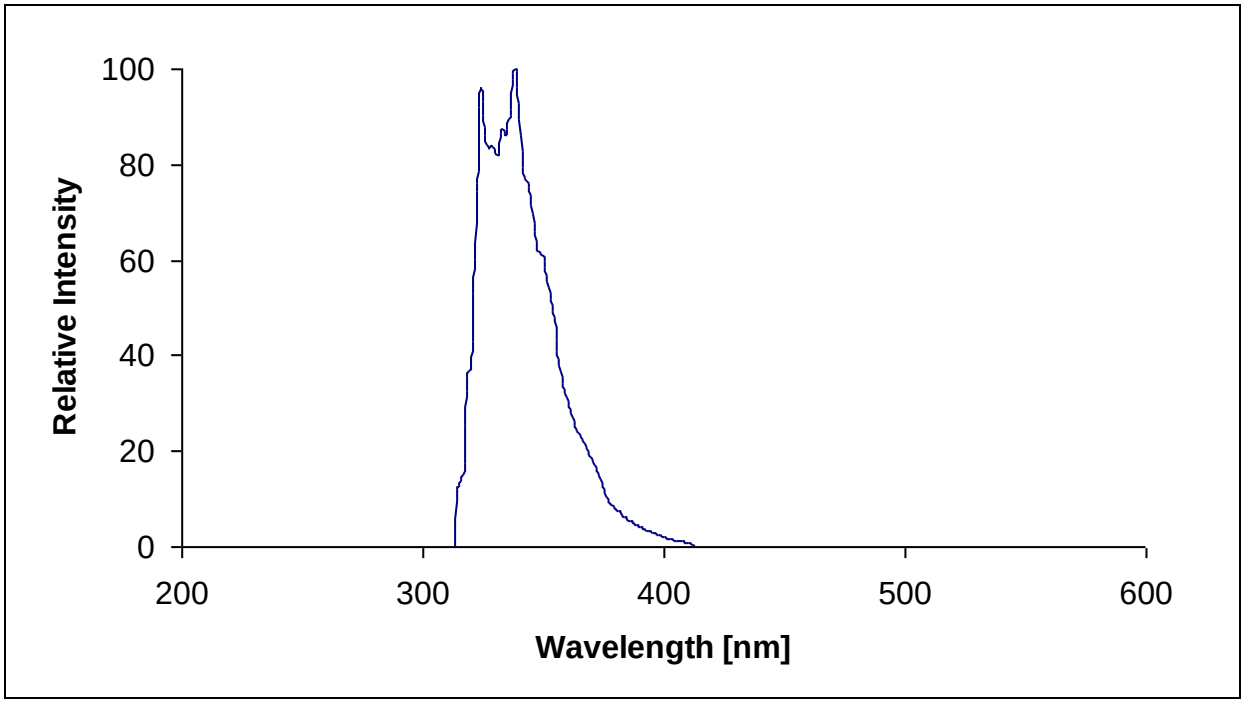




λ exc.	313 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

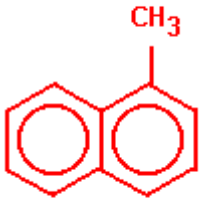
P02NMA 1-Methylnaphtalene (1)

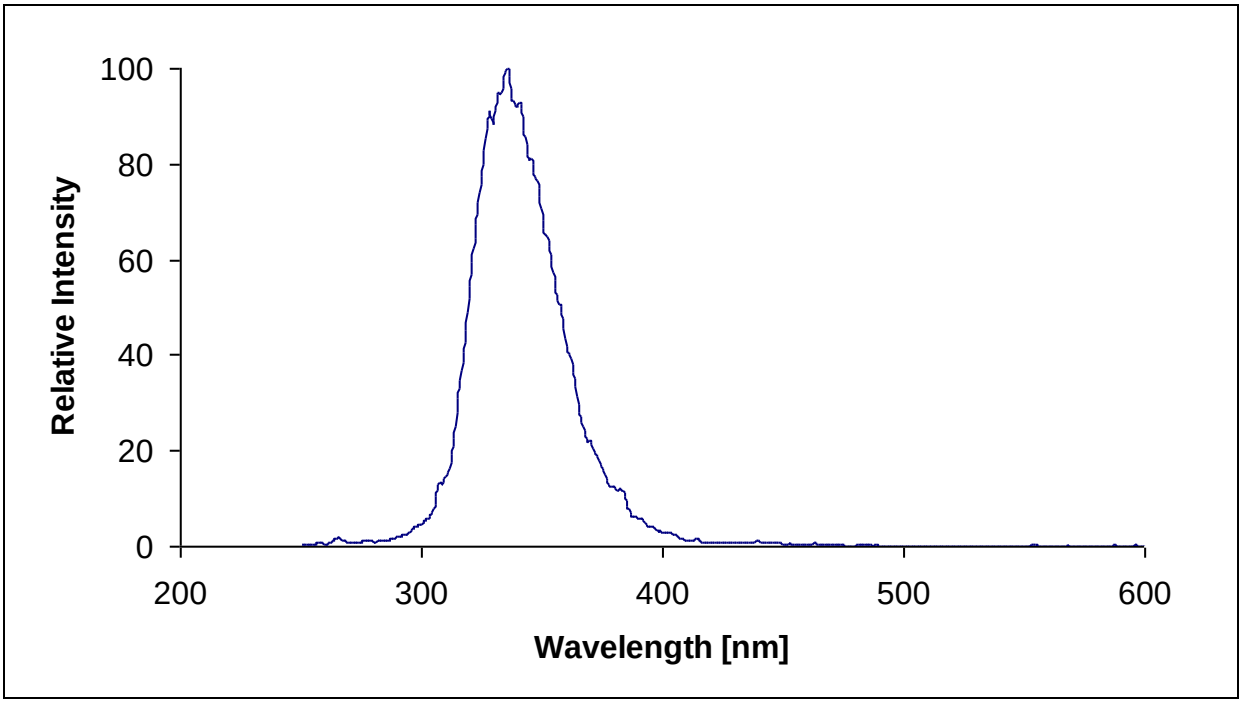




λ exc.	265 nm
Formula	$C_{11}H_{10}$
M.W.	142 u
H/H+C	0.476
m.p.	°C
m.a.c. (266 nm)	0.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

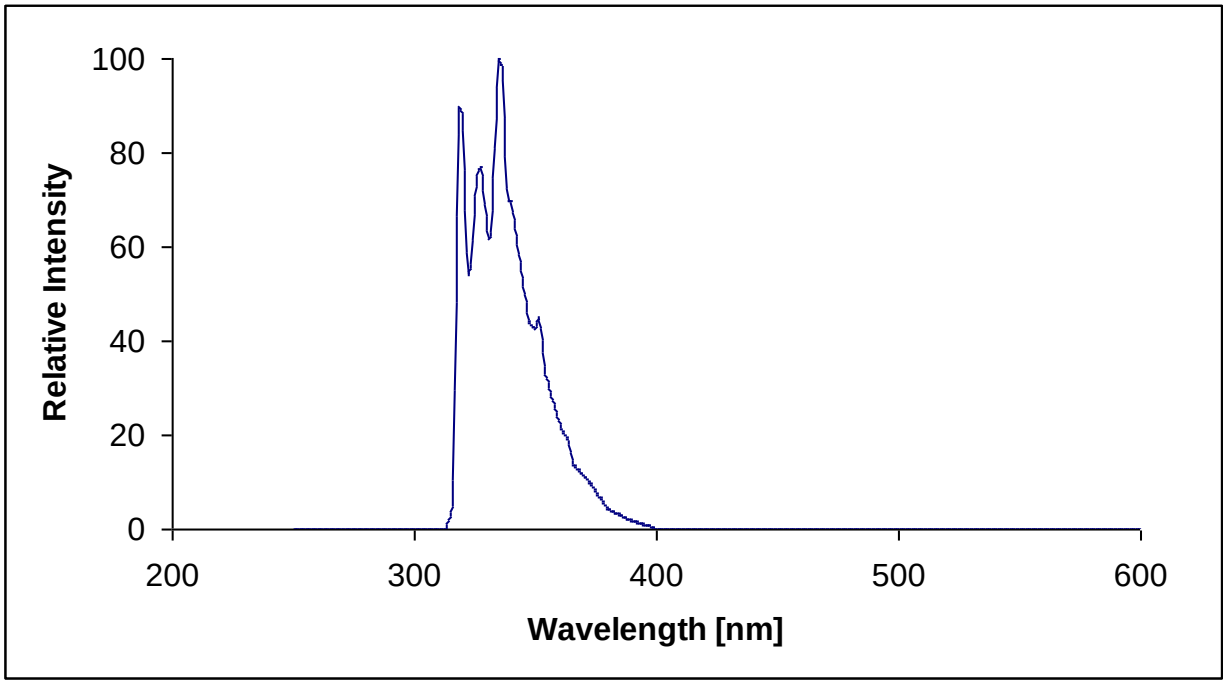
P02NMAG 1-Methylnaphtalene (2)





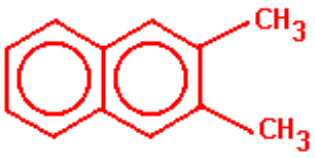
λ exc.	266 nm
Formula	$C_{11}H_{10}$
M.W.	142 u
H/H+C	0.476
m.p.	°C
m.a.c. (266 nm)	0.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 400 K
source	CNPM

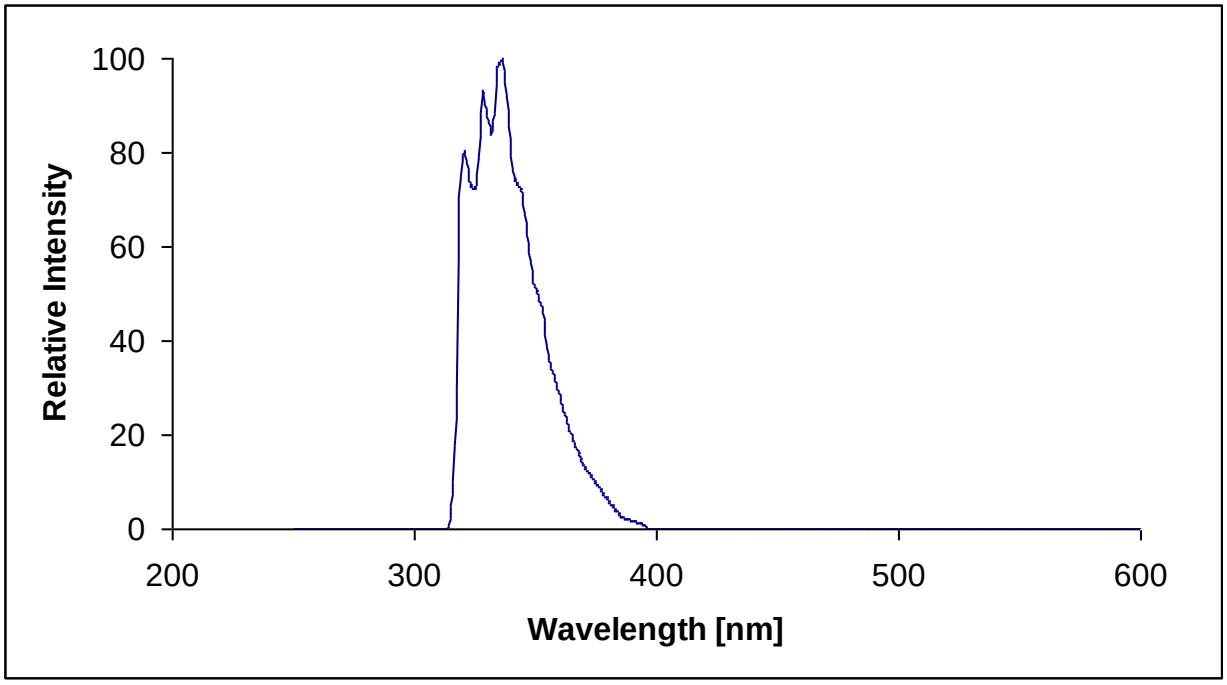
P02NMB 2 – Methylnaphthalene



λ exc.	265 nm
Formula	$C_{11}H_{10}$
M.W.	142 u
H/H+C	0.476
m.p.	°C
m.a.c. (266 nm)	0.47 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

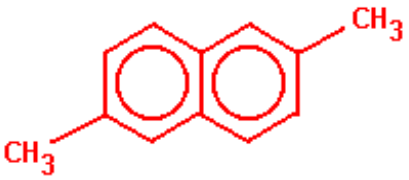
P02NMJ 2,3 – dimethylnaphthalene

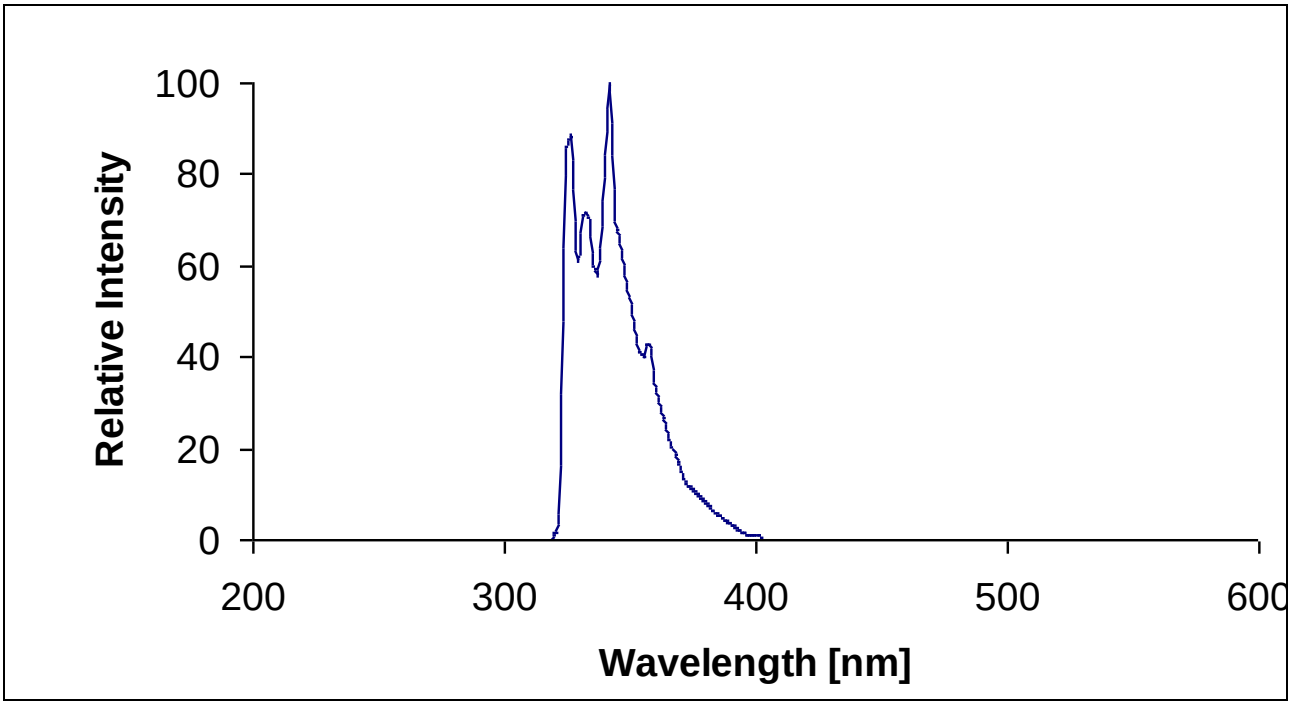




λ exc.	265 nm
Formula	$C_{12}H_{12}$
M.W.	156 u
H/H+C	0.500
m.p.	°C
m.a.c. (266 nm)	0.475 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

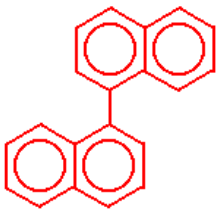
P02NMK 2,6 – Dimethylnaphthalene

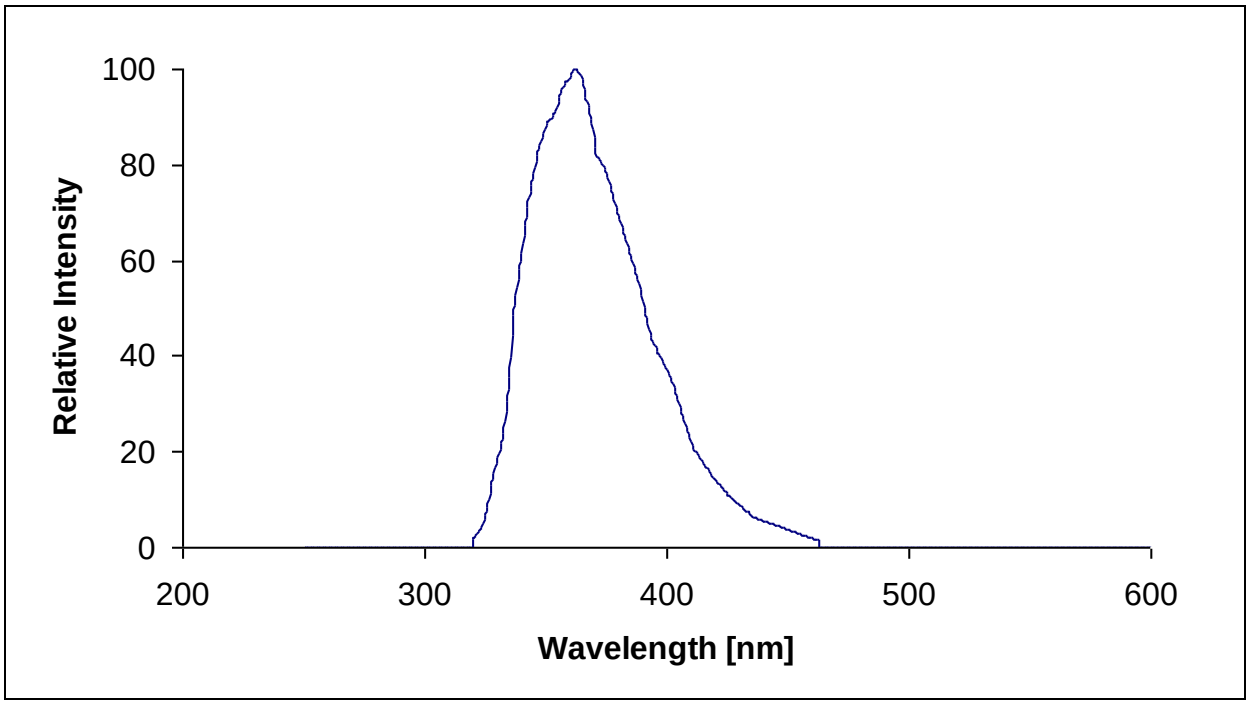




λ exc.	265 nm
Formula	$C_{12}H_{12}$
M.W.	156 u
H/H+C	0.500
m.p.	°C
m.a.c. (266 nm)	0.515 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

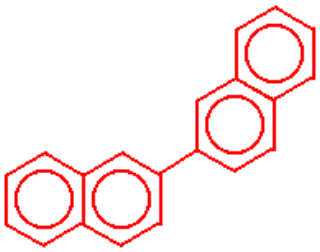
P02NNB 1,1' – Binaphthyl

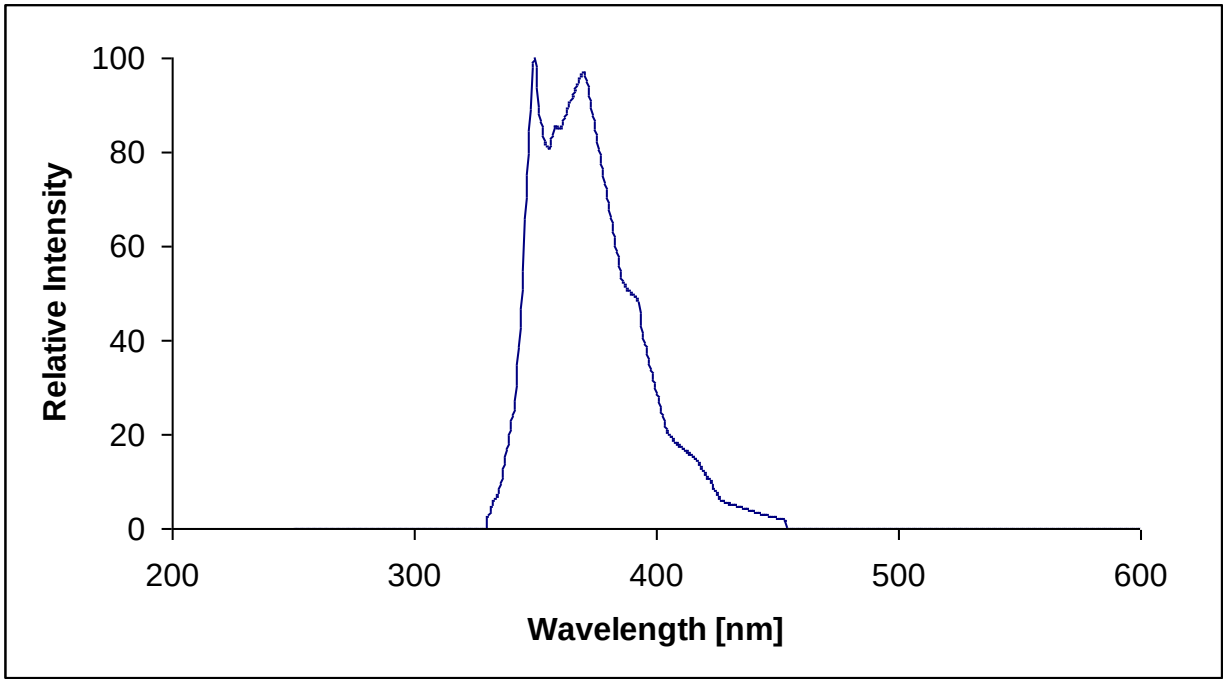




λ exc.	303 nm
Formula	$C_{20}H_{14}$
M.W.	254 u
H/H+C	0.412
m.p.	°C
m.a.c. (266 nm)	0.795 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

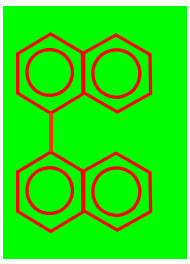
P02NNC 2,2' – Binaphthyl

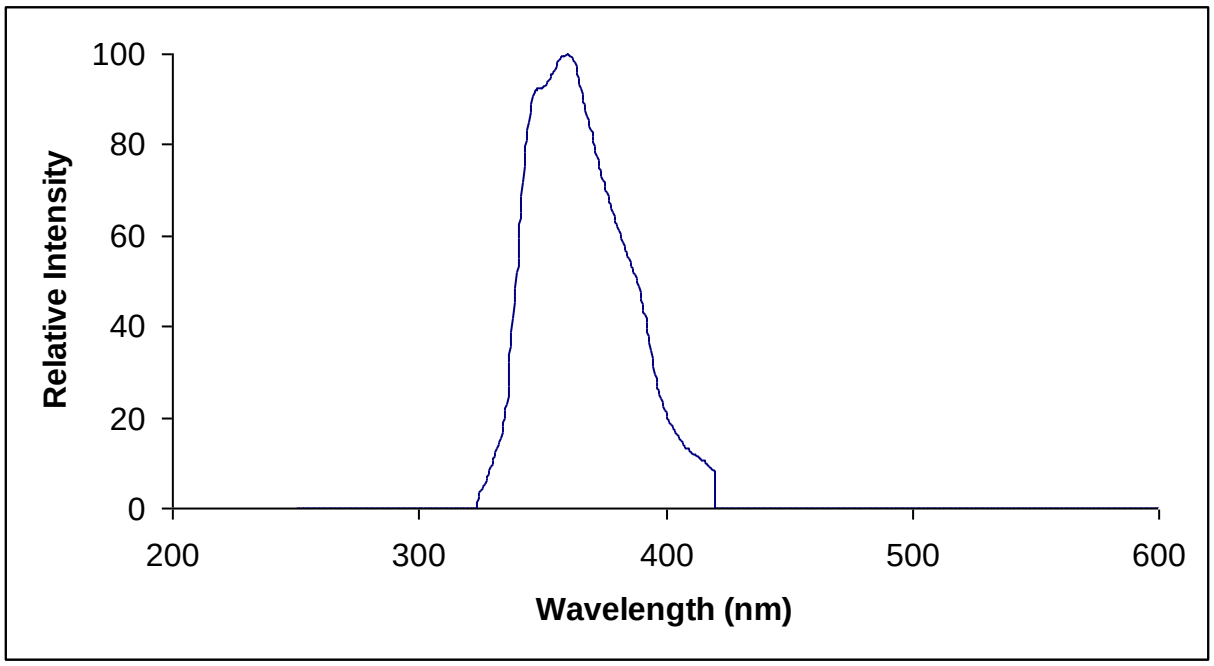




λ exc.	265 nm
Formula	$C_{20}H_{14}$
M.W.	254 u
H/H+C	0.412
m.p.	°C
m.a.c. (266 nm)	3.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

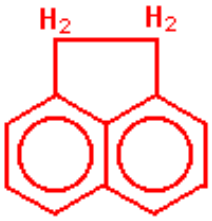
P02NND 1,1’ Binaphthalene

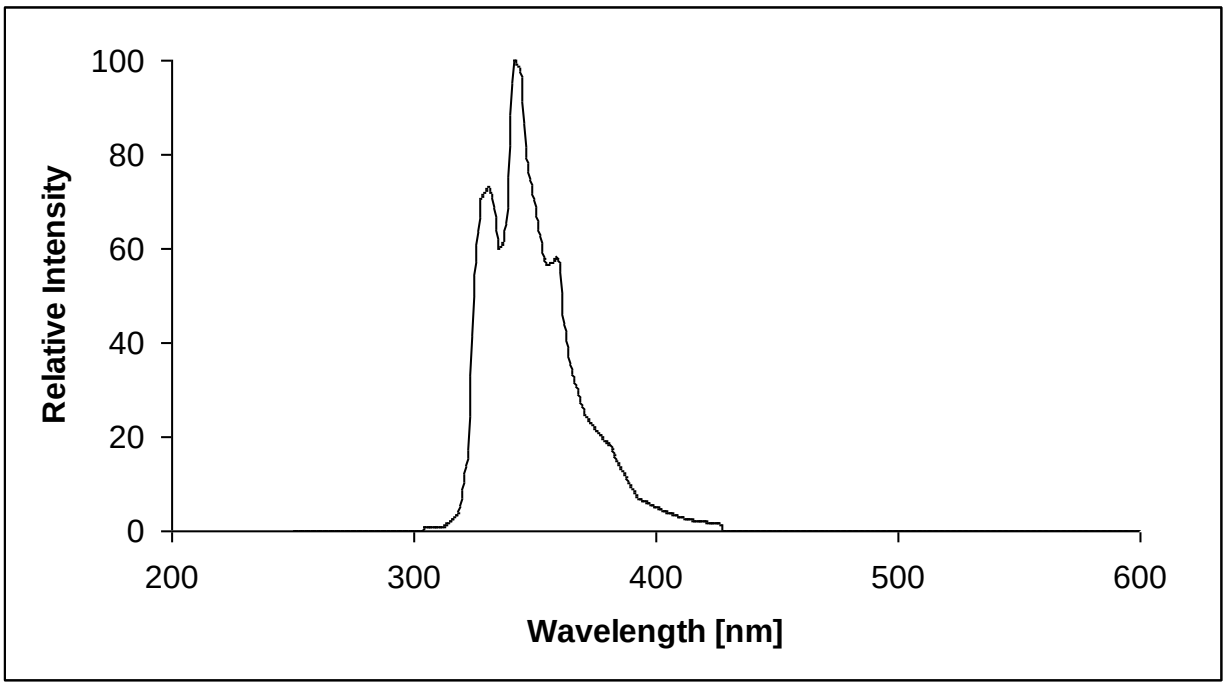




λ exc.	300 nm
Formula	$C_{20}H_{14}$
M.W.	254 u
H/H+C	0.412
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[15]

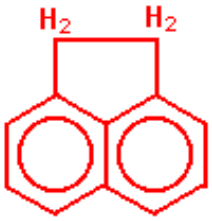
P02P1 Acenaphthene (1)

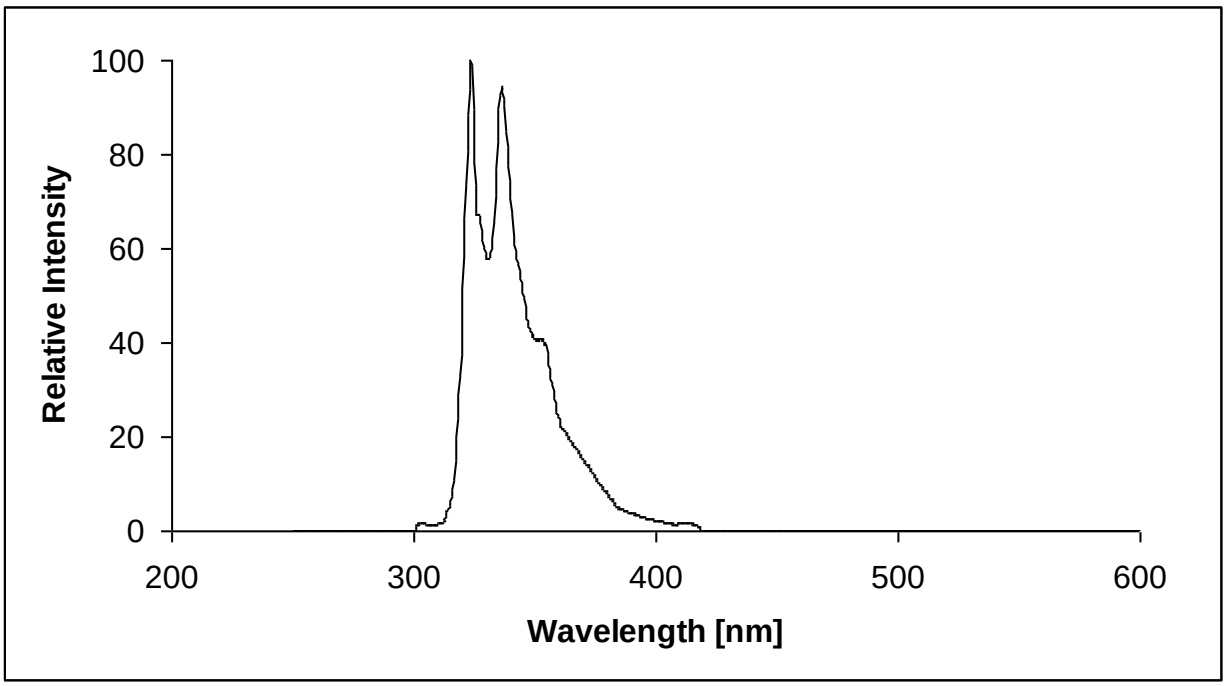




λ exc.	266 nm
Formula	$C_{12}H_{10}$
M.W.	154 u
H/H+C	0.455
m.p.	95°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	[11]

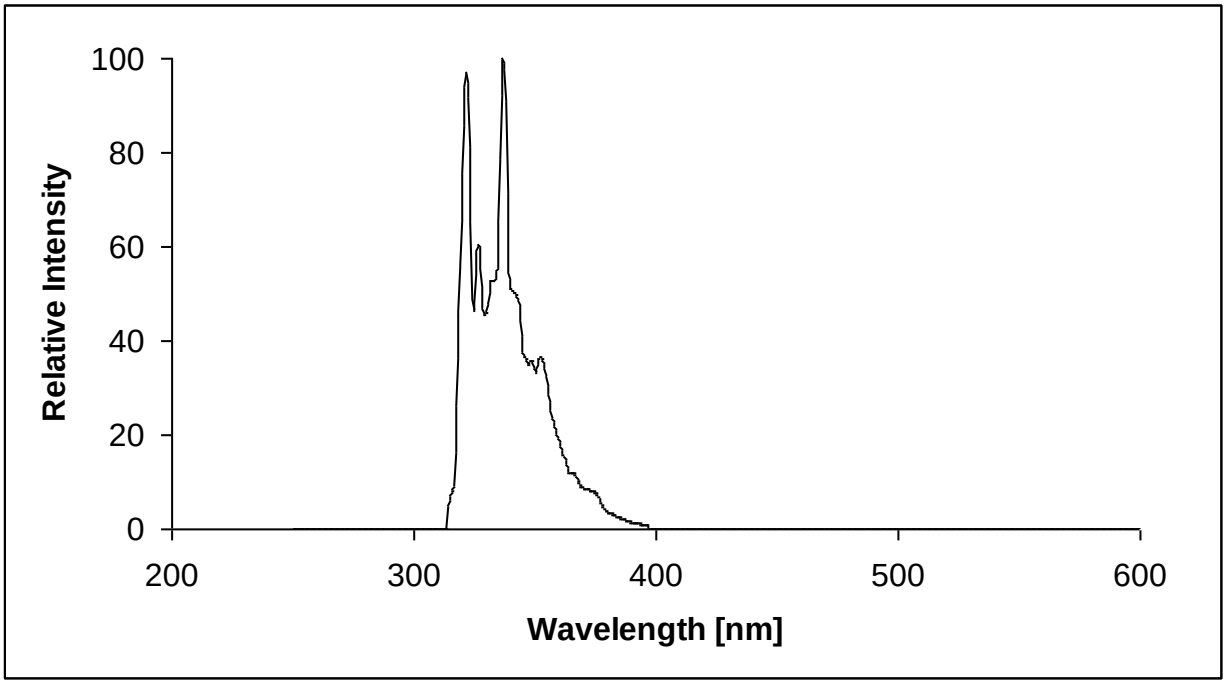
P02P2 Acenaphthene (2)





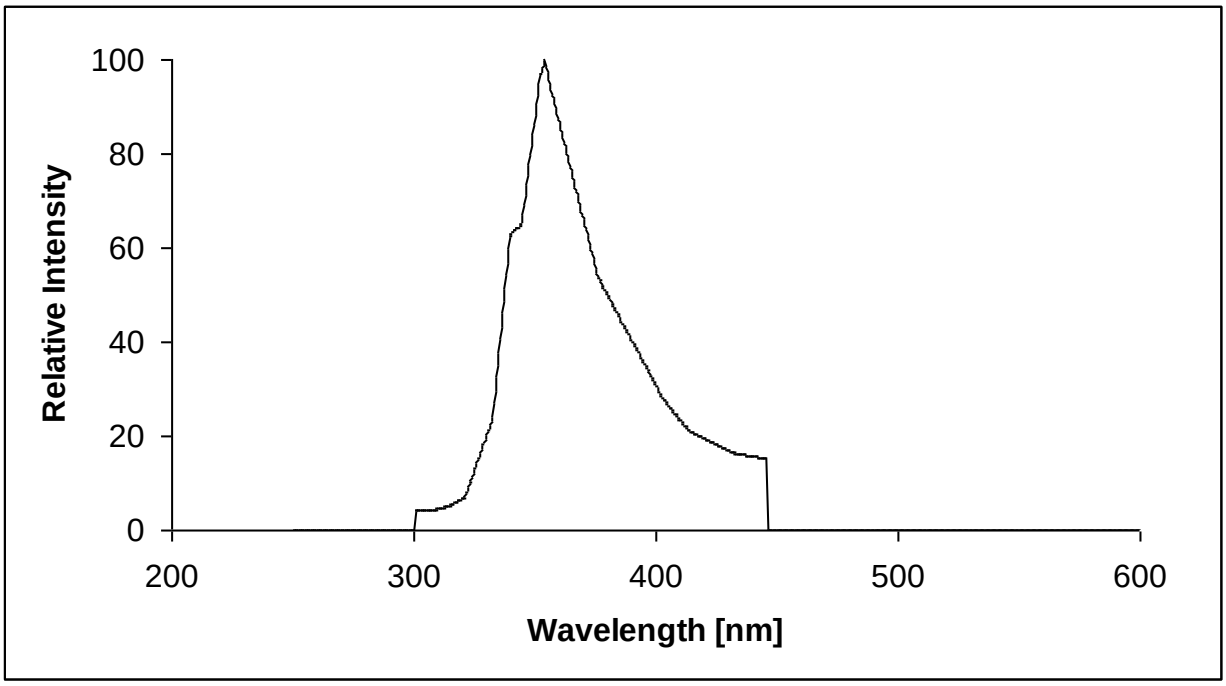
λ exc.	289 nm
Formula	$C_{12}H_{10}$
M.W.	154 u
H/H+C	0.455
m.p.	95°C
m.a.c. (266 nm)	0.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 90-II

P02P3 Acenaphthene (3)



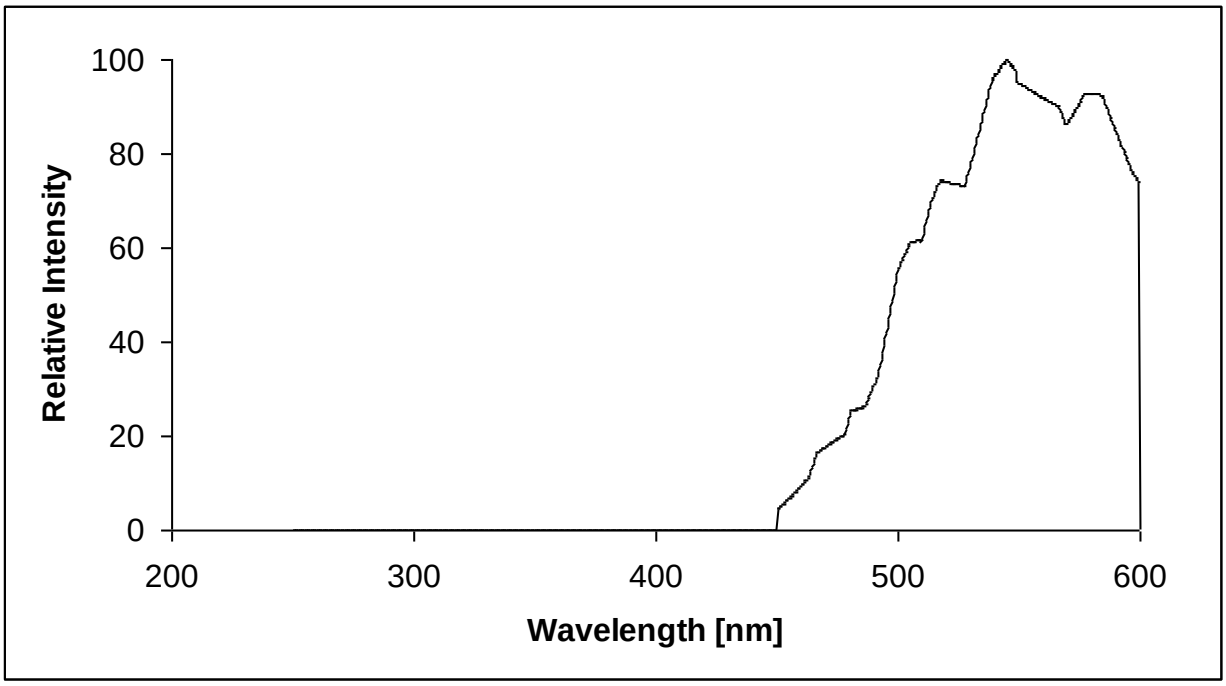
λ exc.	303 nm
Formula	$C_{12}H_{10}$
M.W.	154 u
H/H+C	0.455
m.p.	°C
m.a.c. (266 nm)	0.36 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P02T1 Acenaphthylene (1)



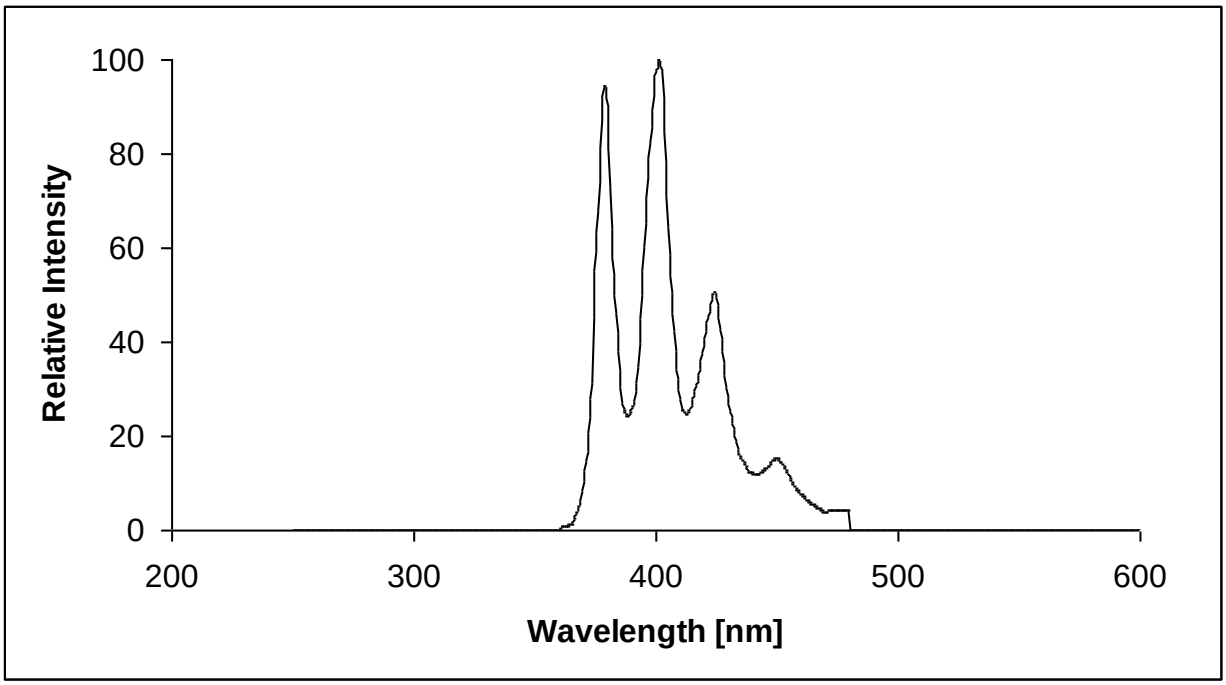
λ exc.	266 nm
Formula	$C_{12}H_8$
M.W.	152 u
H/H+C	0.400
m.p.	92-93°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	[11]

P02T2 Acenaphthylene (2)



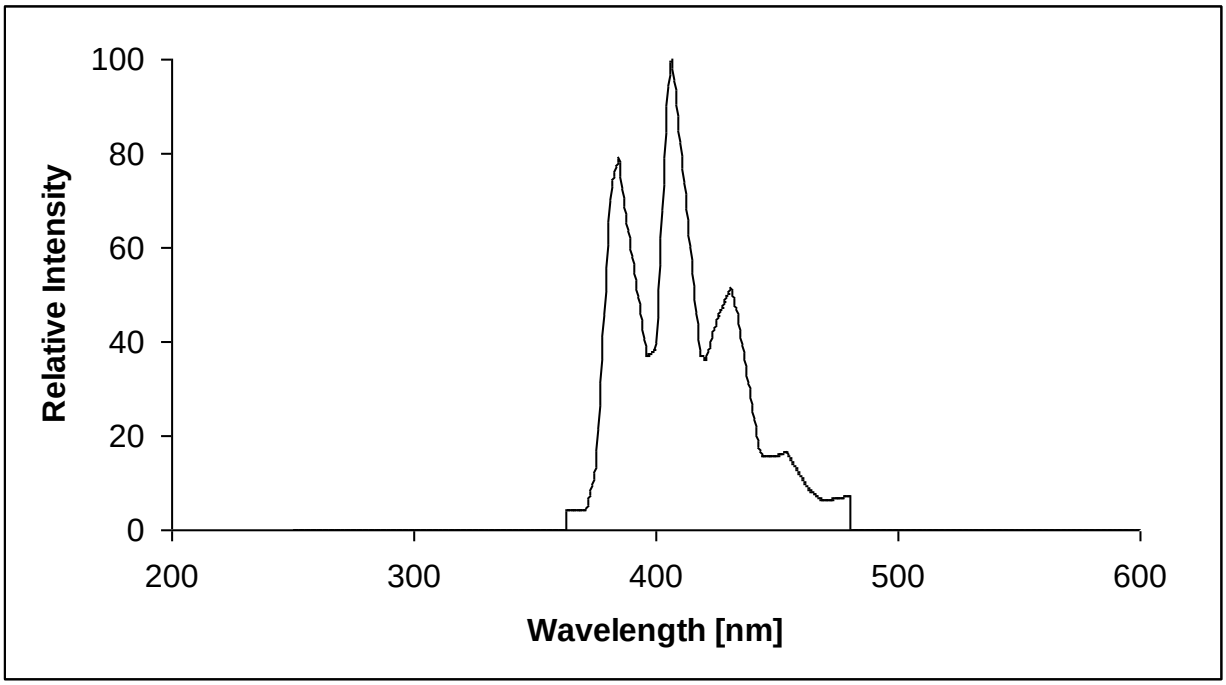
λ exc.	355 nm
Formula	$C_{12}H_8$
M.W.	152 u
H/H+C	0.400
m.p.	92-93°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	[11]

P03A0 Anthracene (1)



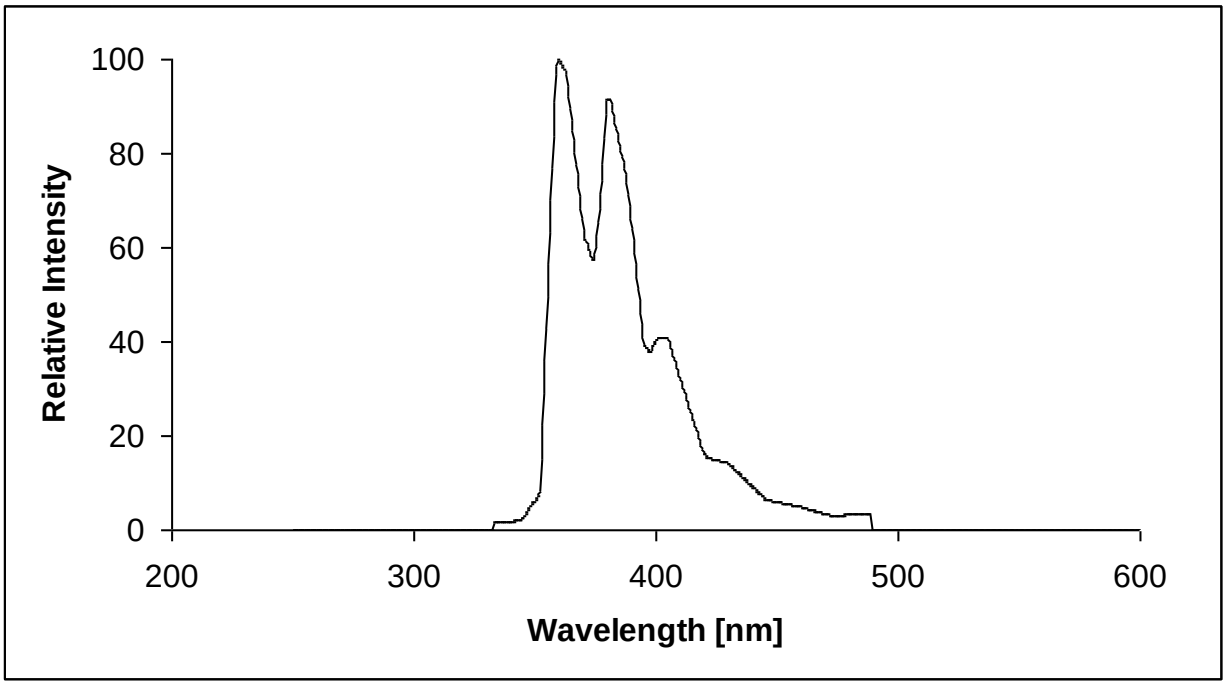
λ exc.	252 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	216.4°C
m.a.c. (266 nm)	0.2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 32-I

P03A0A Anthracene (2)



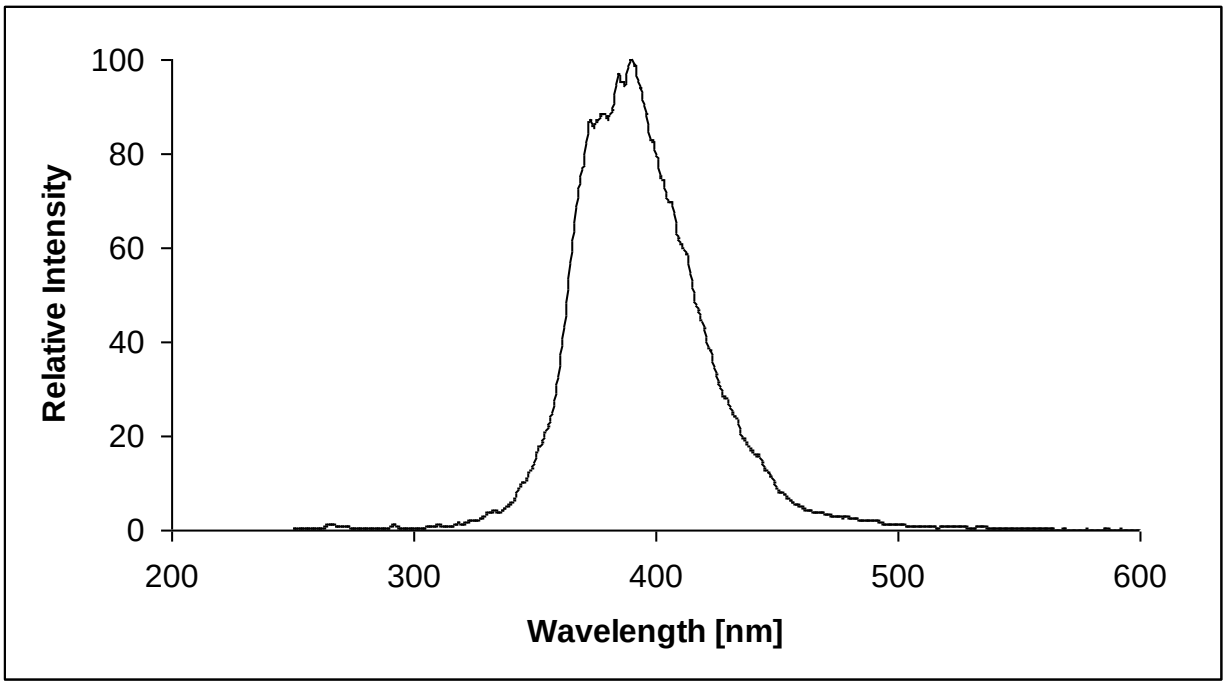
λ exc.	220 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	216.4°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Acetonitrile
source	[10]

P03A0G Anthracene (3)



λ exc.	337.1 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	216.4°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 298-423 K
source	[2]

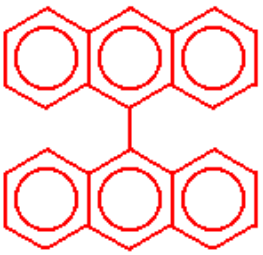
P03A0G2 Anthracene (4)

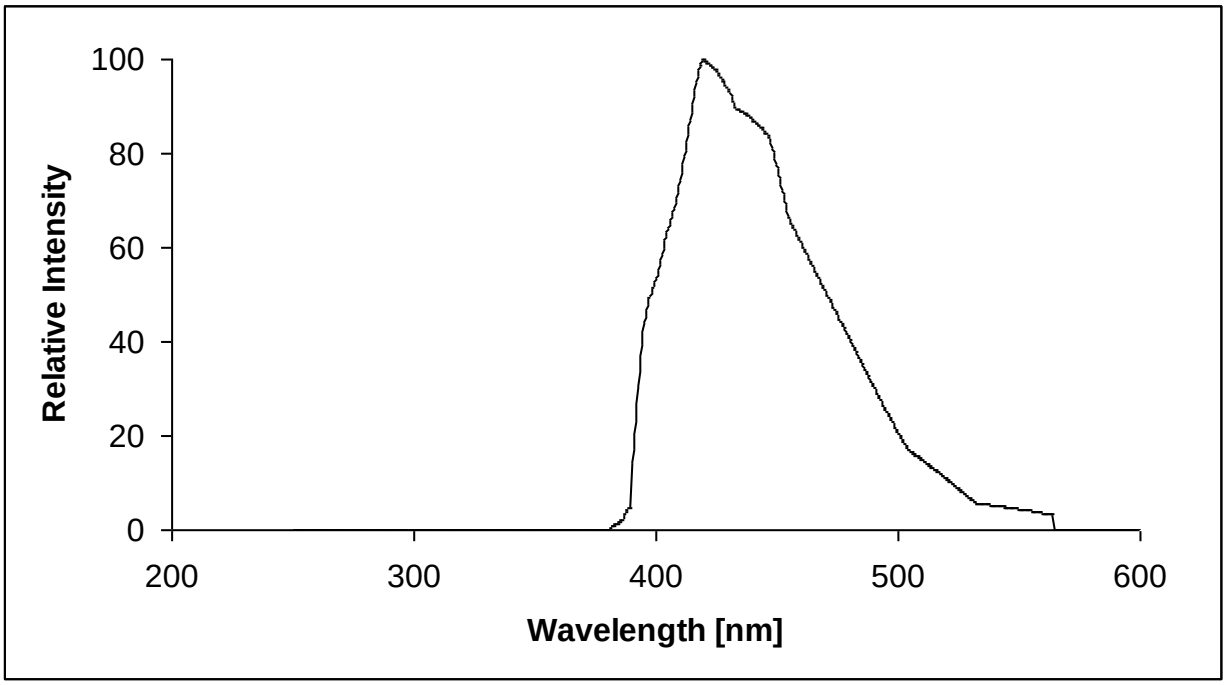


λ exc.	266 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	216.4°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase
source	CNPM

P03AAB 9,9’ – Biantharanyl(1)

9,9’ - Bianthracene

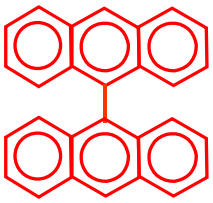


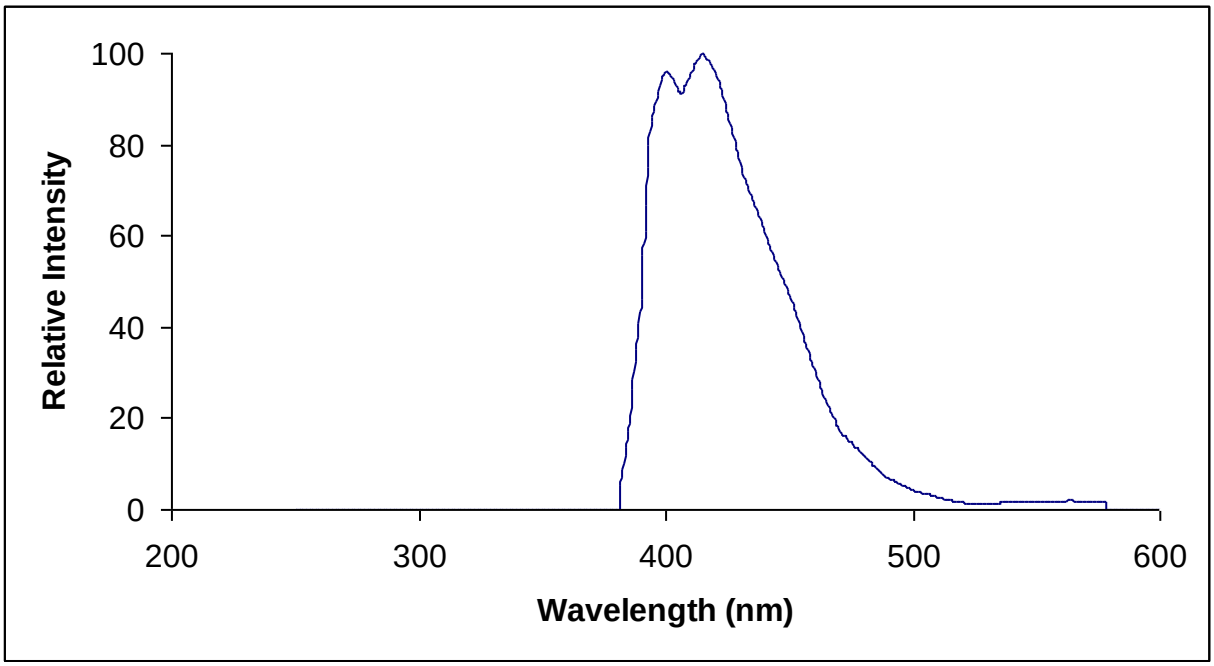


λ exc.	365 nm
Formula	$C_{28}H_{18}$
M.W.	354 u
H/H+C	0.391
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Benzene
source	Berlman

P03AABC 9,9’ – Biantharanyl (2)

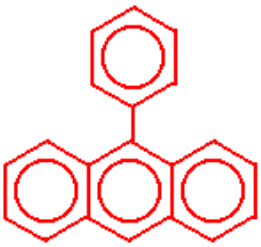
9,9’ - Bianthracene

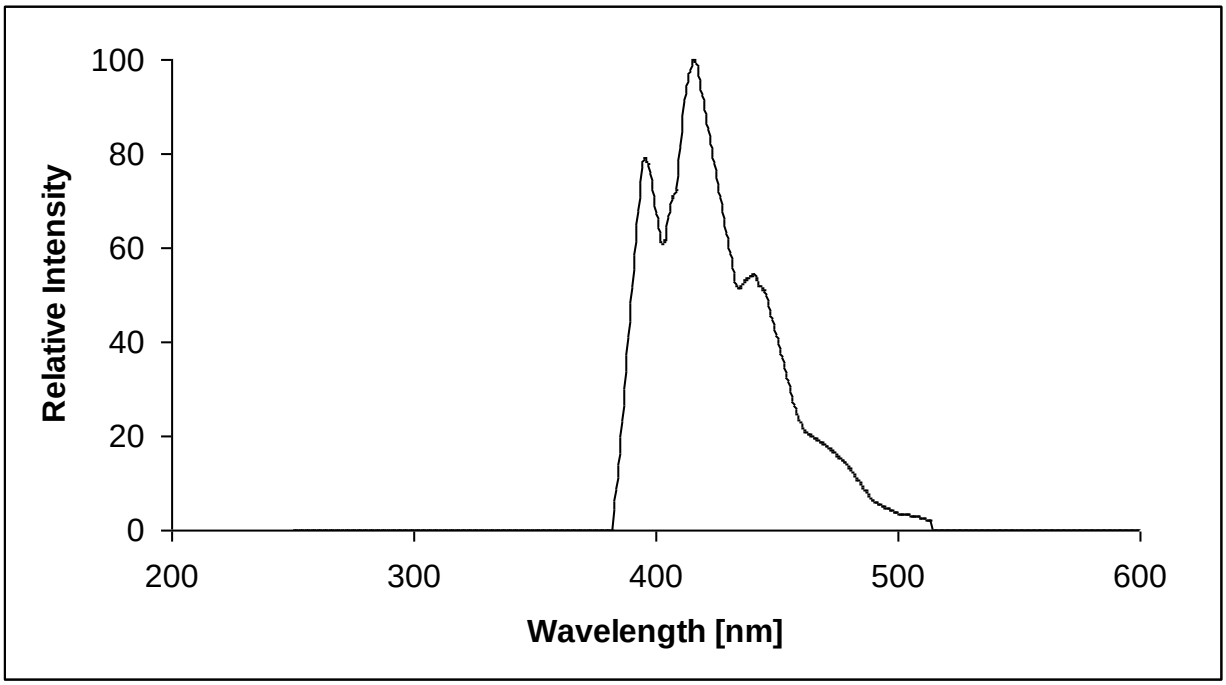




λ exc.	366 nm
Formula	$C_{28}H_{18}$
M.W.	354 u
H/H+C	0.391
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[15]

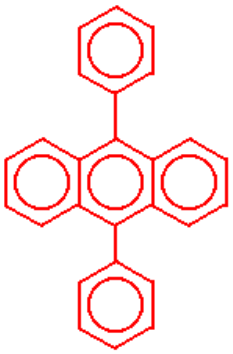
P03ABA 9 – Phenylanthracene

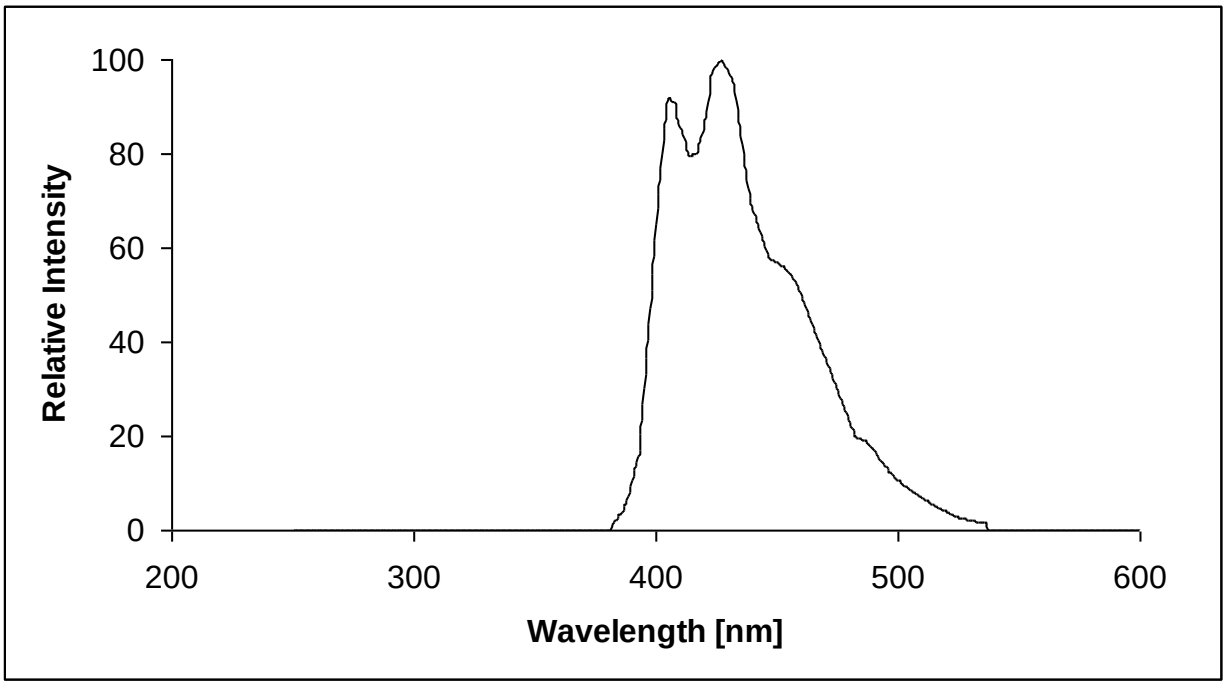




λ exc.	365 nm
Formula	$C_{20}H_{14}$
M.W.	254 u
H/H+C	0.412
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

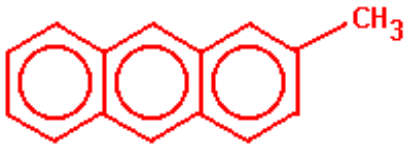
P03ABJ 9,10 – Diphenylanthracene

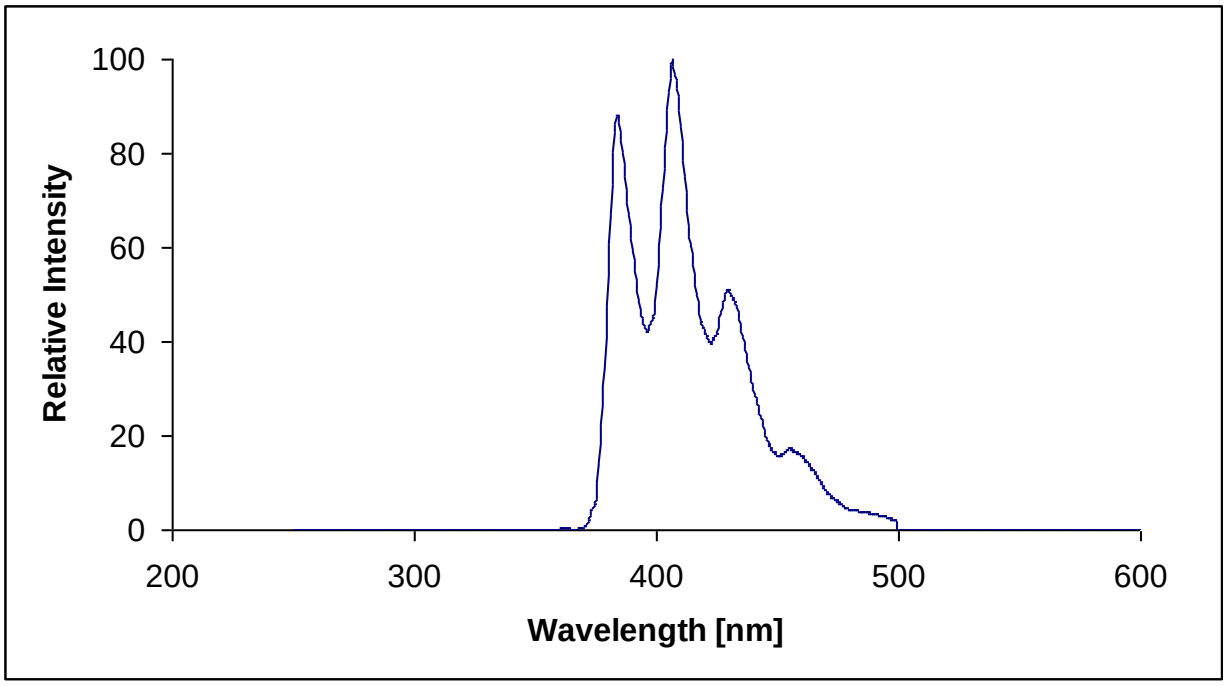




λ exc.	365 nm
Formula	$C_{26}H_{18}$
M.W.	330 u
H/H+C	0.409
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

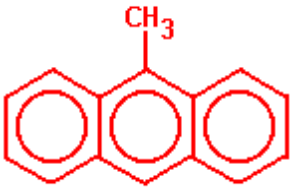
P03AMA 2 – Methylanthracene

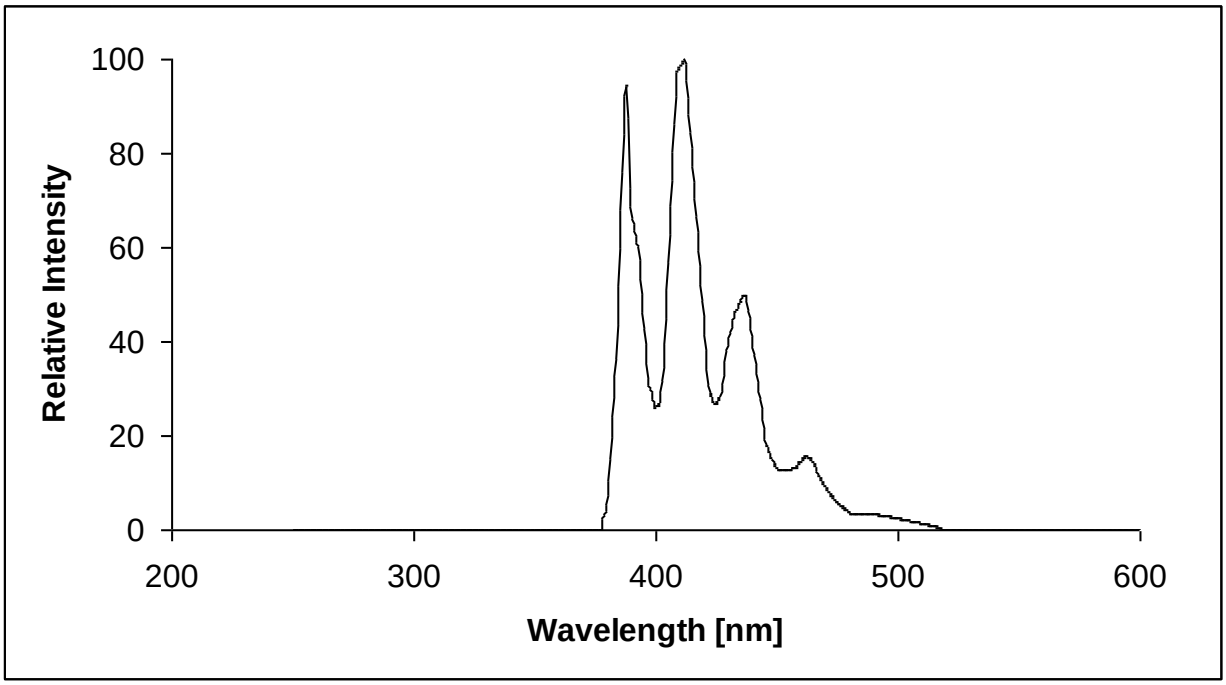




λ exc.	255.5 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	203°C
m.a.c. (266 nm)	3.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 140-II

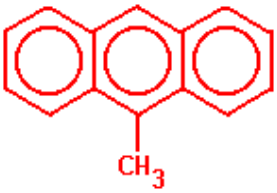
P03AMB1 9 – Methylanthracene(1)

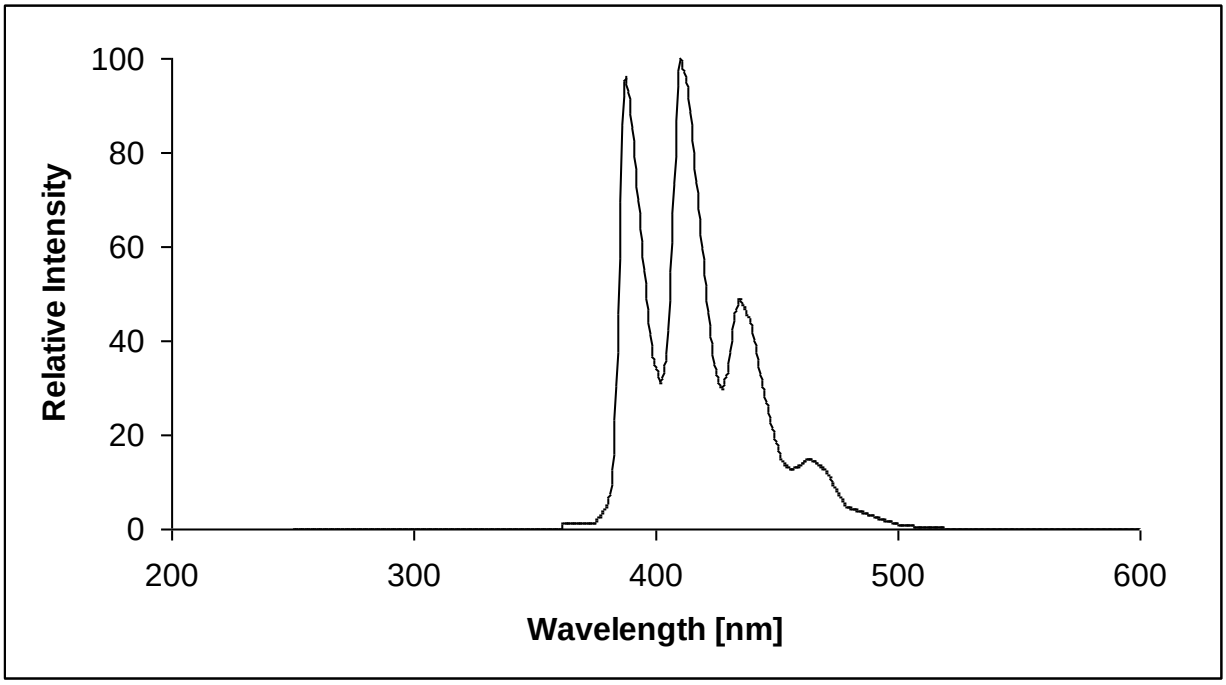




λ exc.	253.7 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

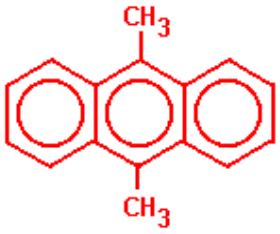
P03AMB2 9 – Methylanthracene(2)

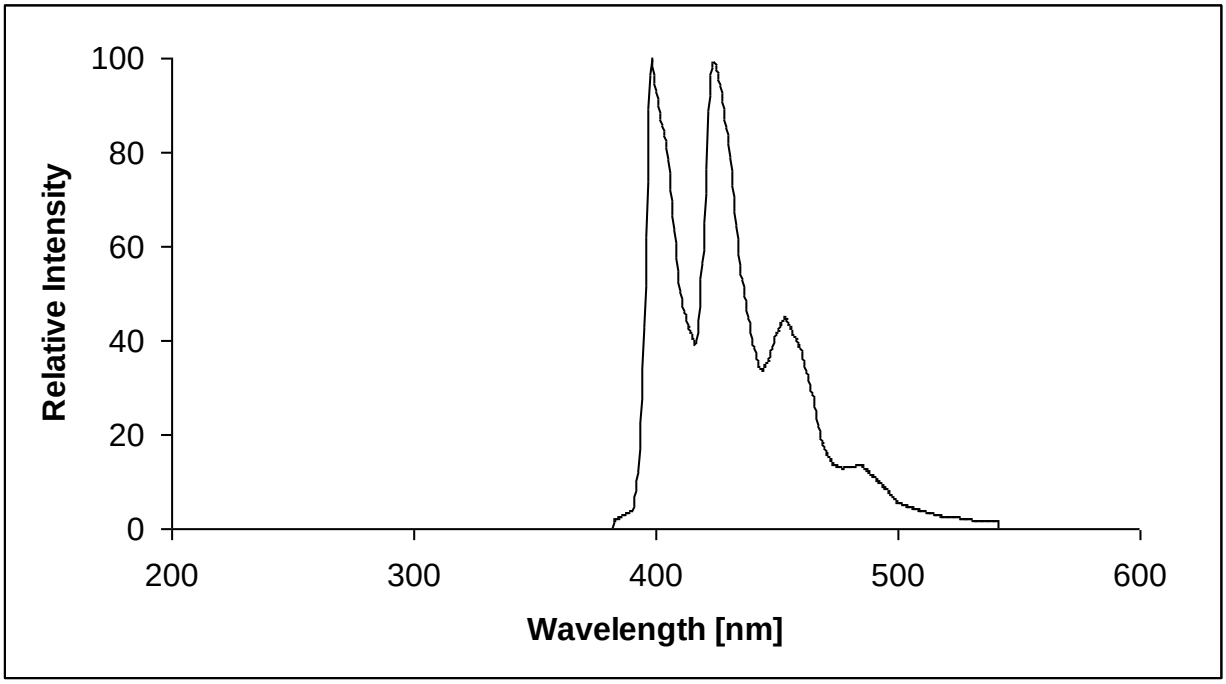




λ exc.	257 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	79°C
m.a.c. (266 nm)	1.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 158-II

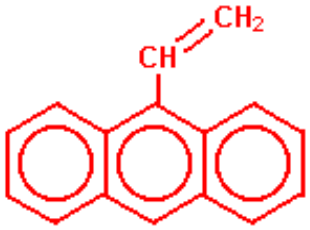
P03AMJ 9,10 – Dimethylanthracene

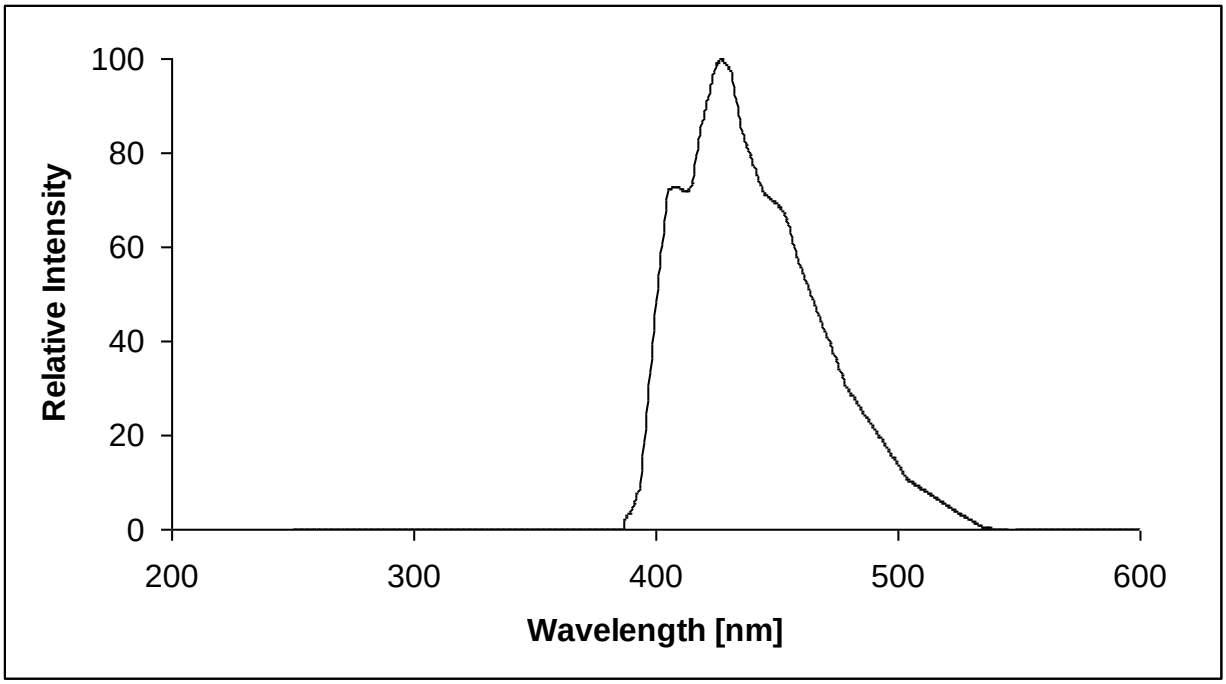




λ exc.	377.5 nm
Formula	$C_{16}H_{14}$
M.W.	206 u
H/H+C	0.467
m.p.	183-184°C
m.a.c. (266 nm)	9.1 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 822-III

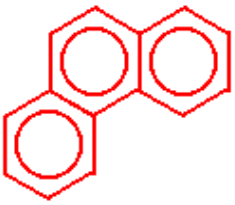
P03AV 9 – Vinylanthracene

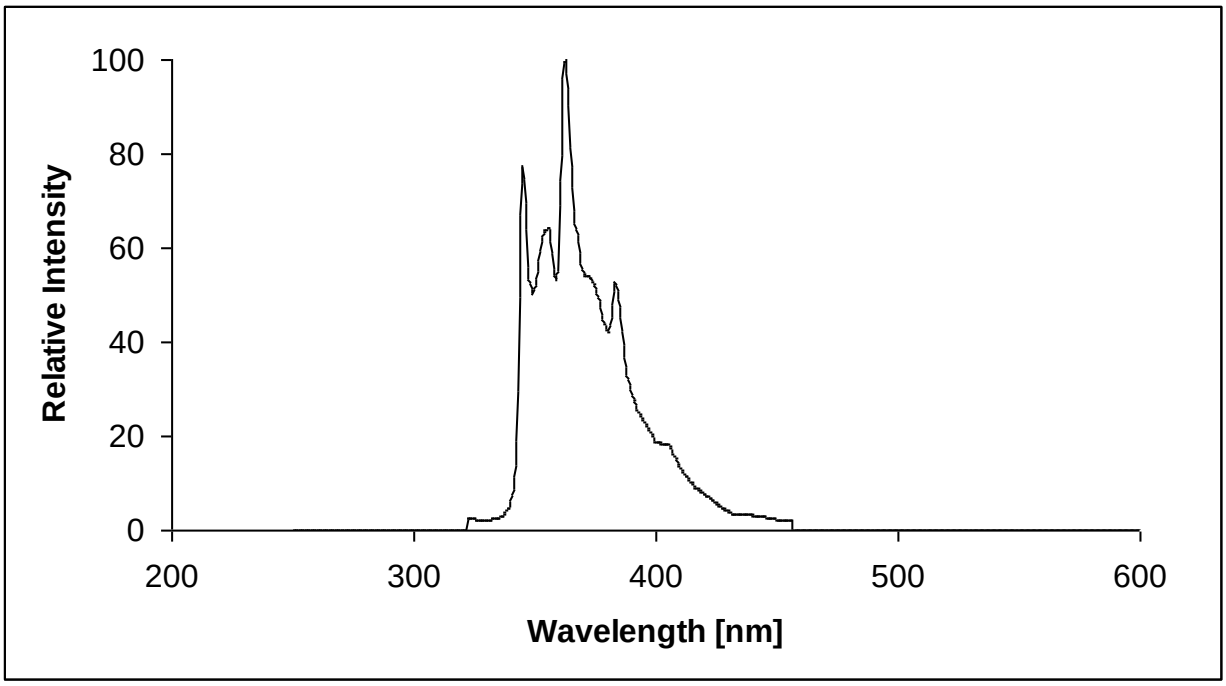




λ exc.	365 nm
Formula	$C_{16}H_{12}$
M.W.	204 u
H/H+C	0.429
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

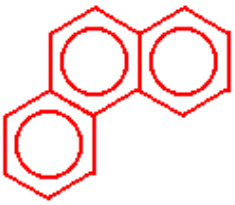
P03P0 Phenanthrene (1)

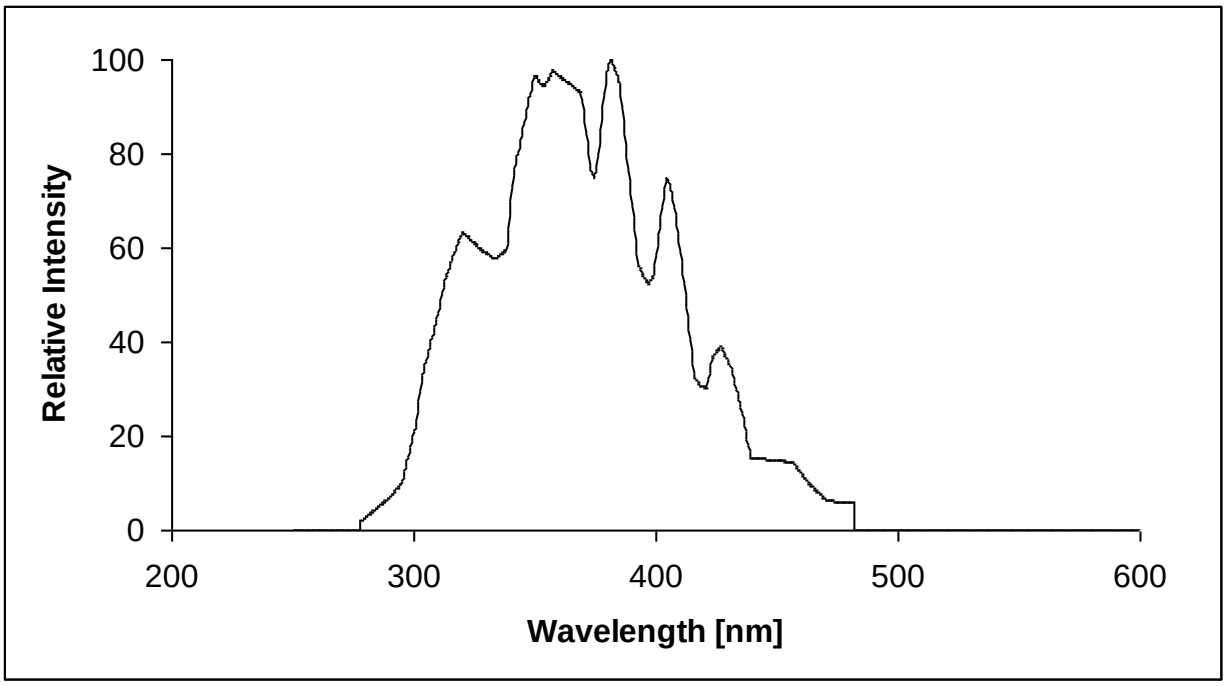




λ exc.	252 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	100.5°C
m.a.c. (266 nm)	4.8 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 54-I

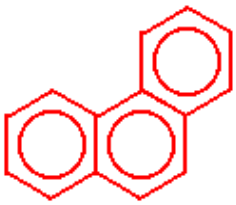
P03P0A Phenanthrene (2)

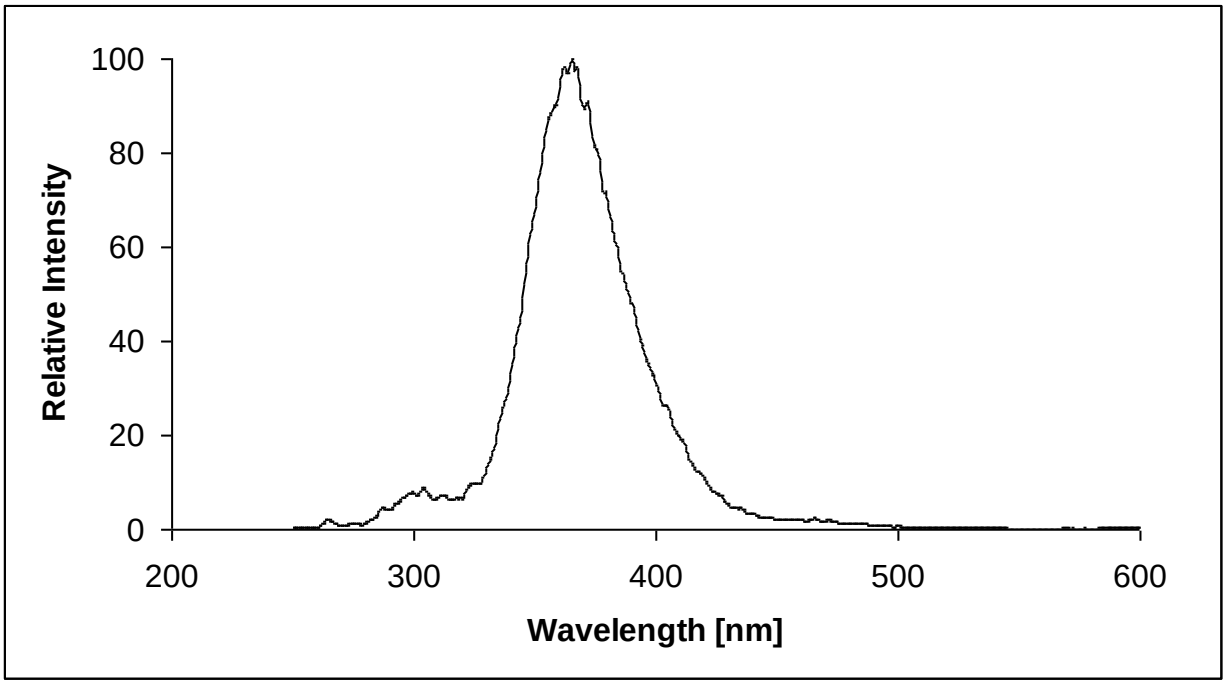




λ exc.	220 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	100.5°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Acetonitrile
source	[10]

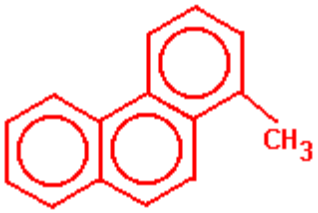
P03P0G Phenanthrene (3)

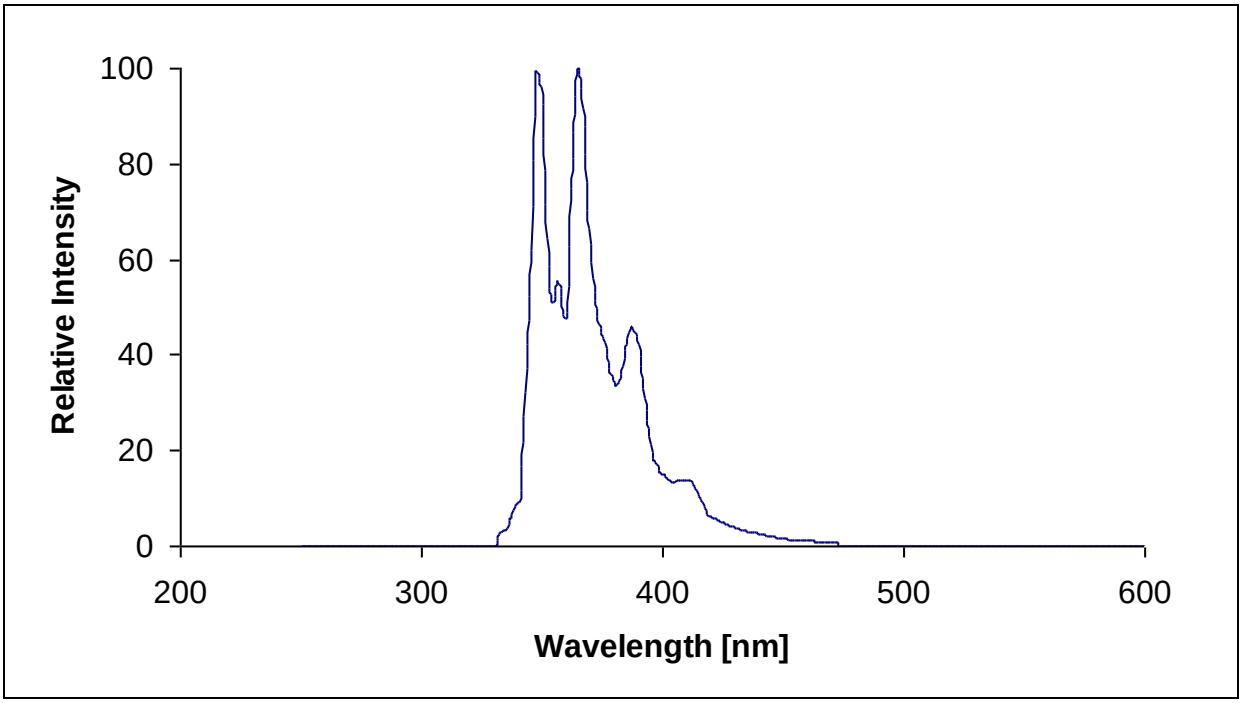




λ exc.	266 nm
Formula	$C_{14}H_{10}$
M.W.	178 u
H/H+C	0.417
m.p.	100.5°C
m.a.c. (266 nm)	4.8 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase
source	CNPM

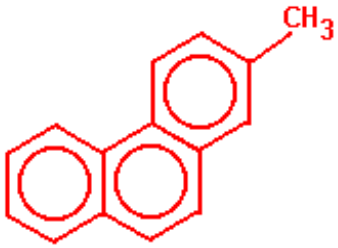
P03PMA 1-Methylphenanthrene

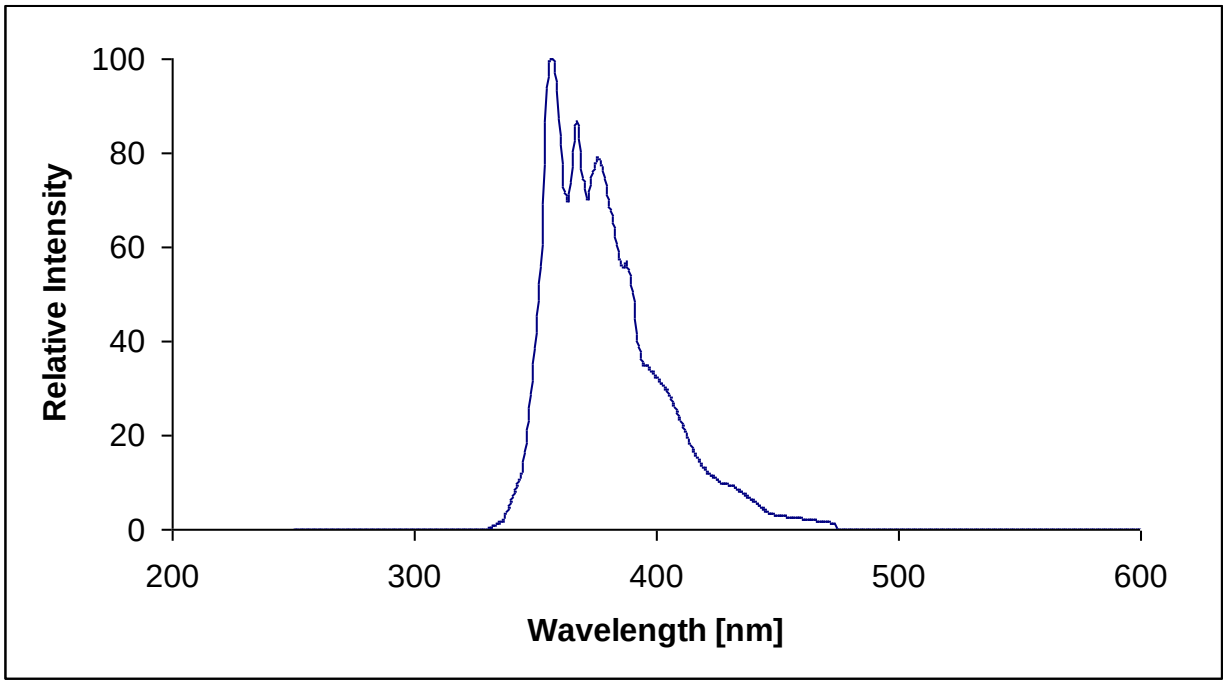




λ exc.	300 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	123 °C
m.a.c. (266 nm)	0.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag 704-III

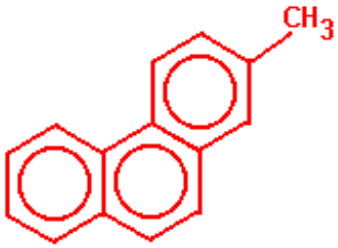
P03PMB 2 – Methylphenanthrene (1)

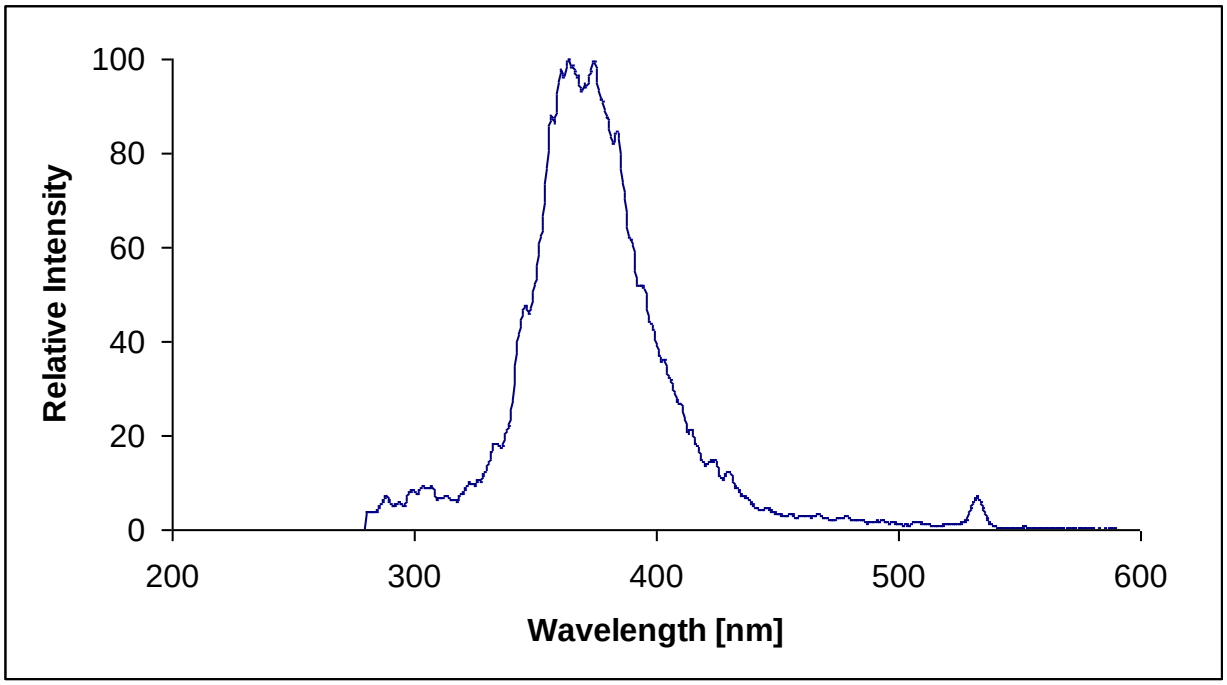




λ exc.	253.5 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	58-59°C
m.a.c. (266 nm)	1.7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 724-III

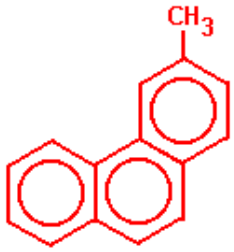
P03PMBG 2 – Methylphenanthrene (1)

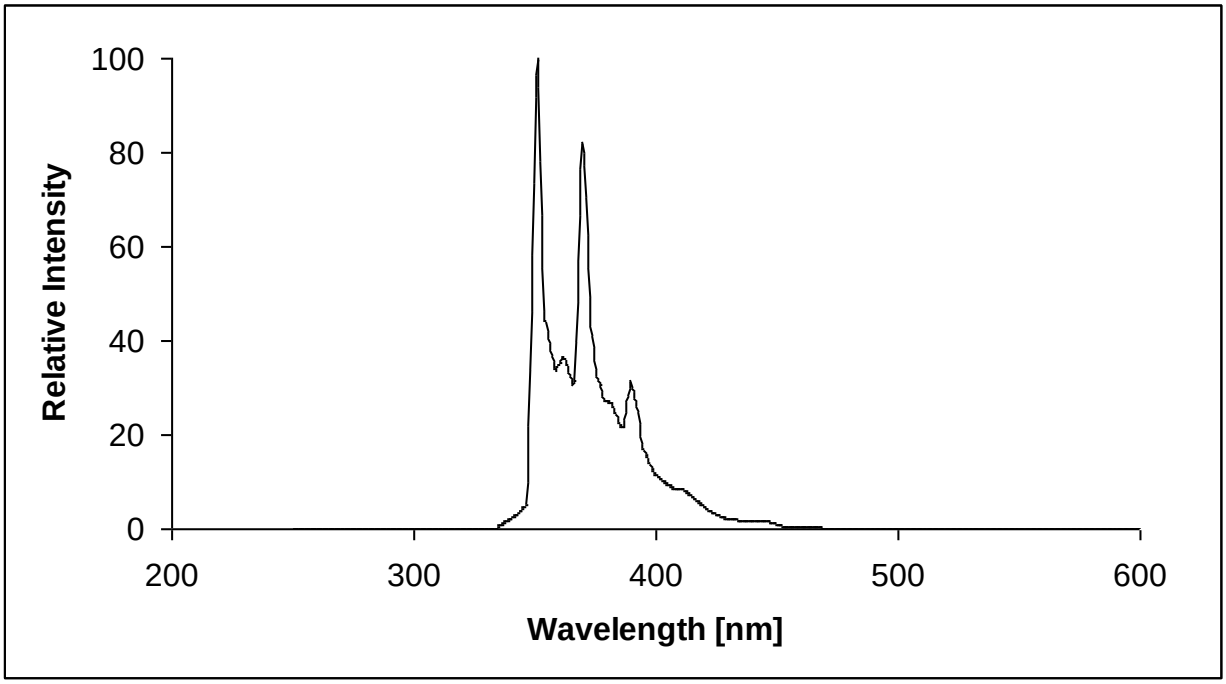




λ exc.	266 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	58-59°C
m.a.c. (266 nm)	1.7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 330°K
source	CNPM

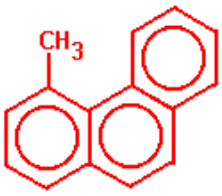
P03PMC 3 – Methylphenanthrene

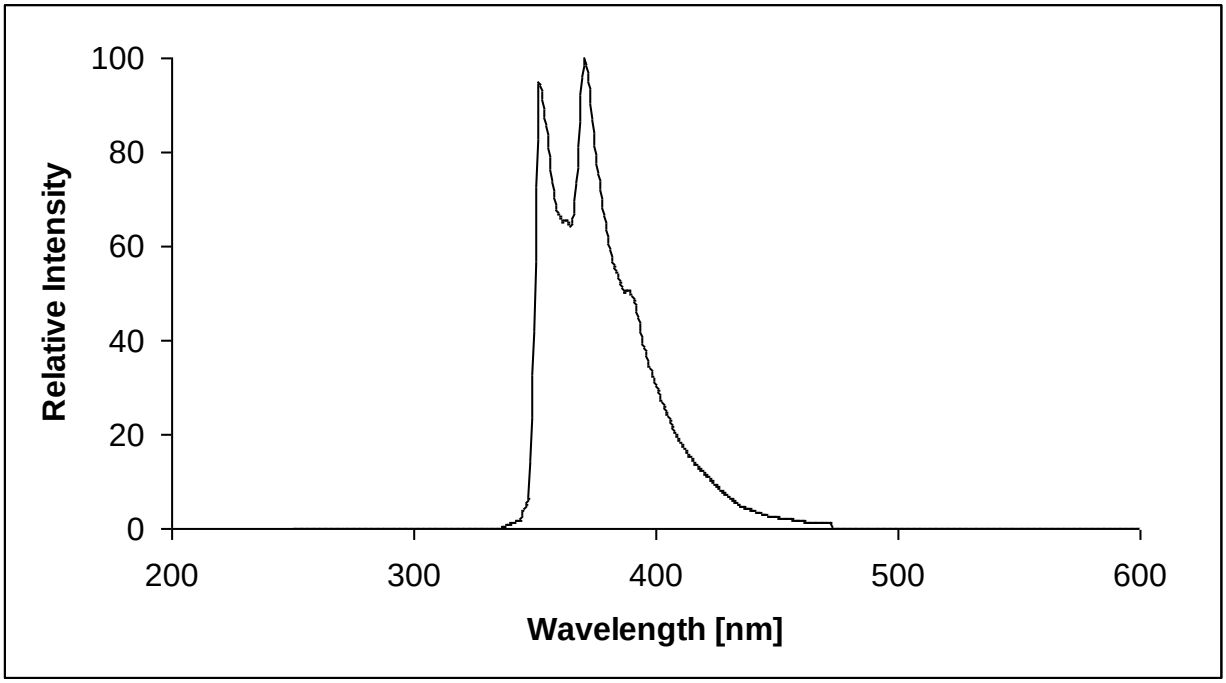




λ exc.	253 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	65°C
m.a.c. (266 nm)	1.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 744-III

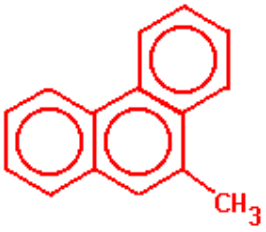
P03PMD 4 – Methylphenanthrene

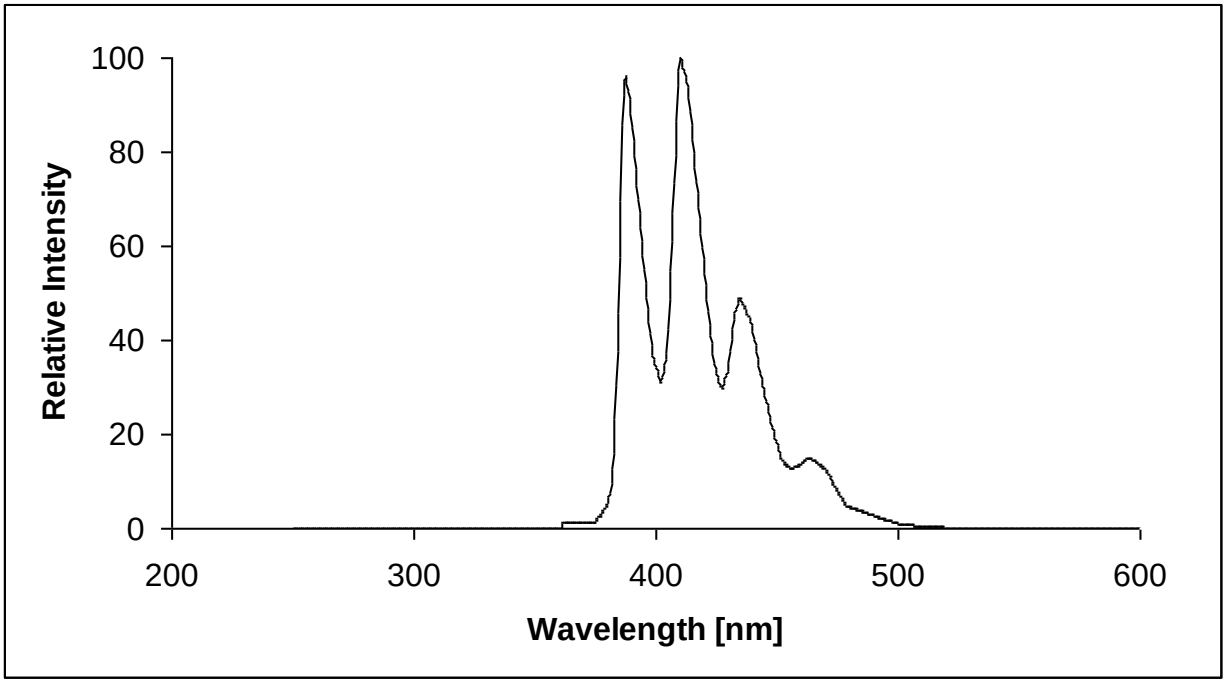




λ exc.	251.5 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	52-53°C
m.a.c. (266 nm)	1.2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 765-III

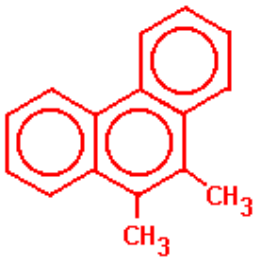
P03PME 9 – Methylphenanthrene

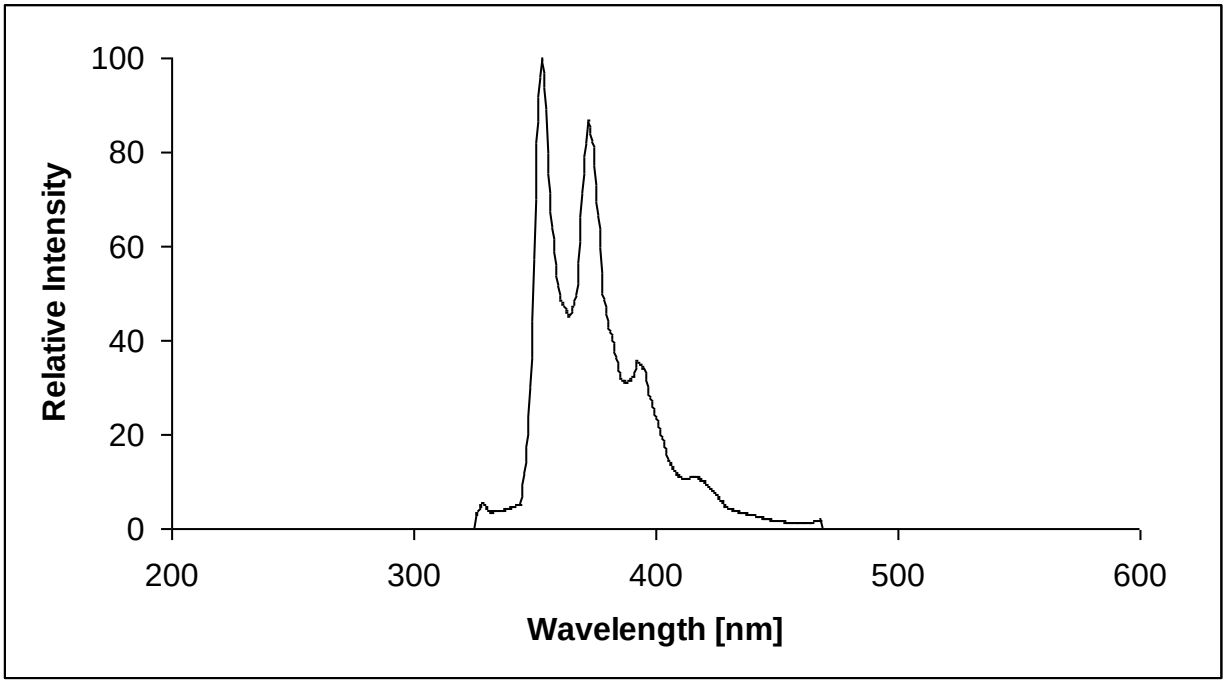




λ exc.	235.5 nm
Formula	$C_{15}H_{12}$
M.W.	192 u
H/H+C	0.444
m.p.	91-92 °C
m.a.c. (266 nm)	1.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 784-III

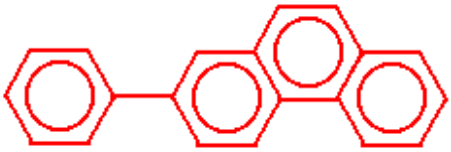
P03PMJ 9,10 – Dimethilphenanthrene

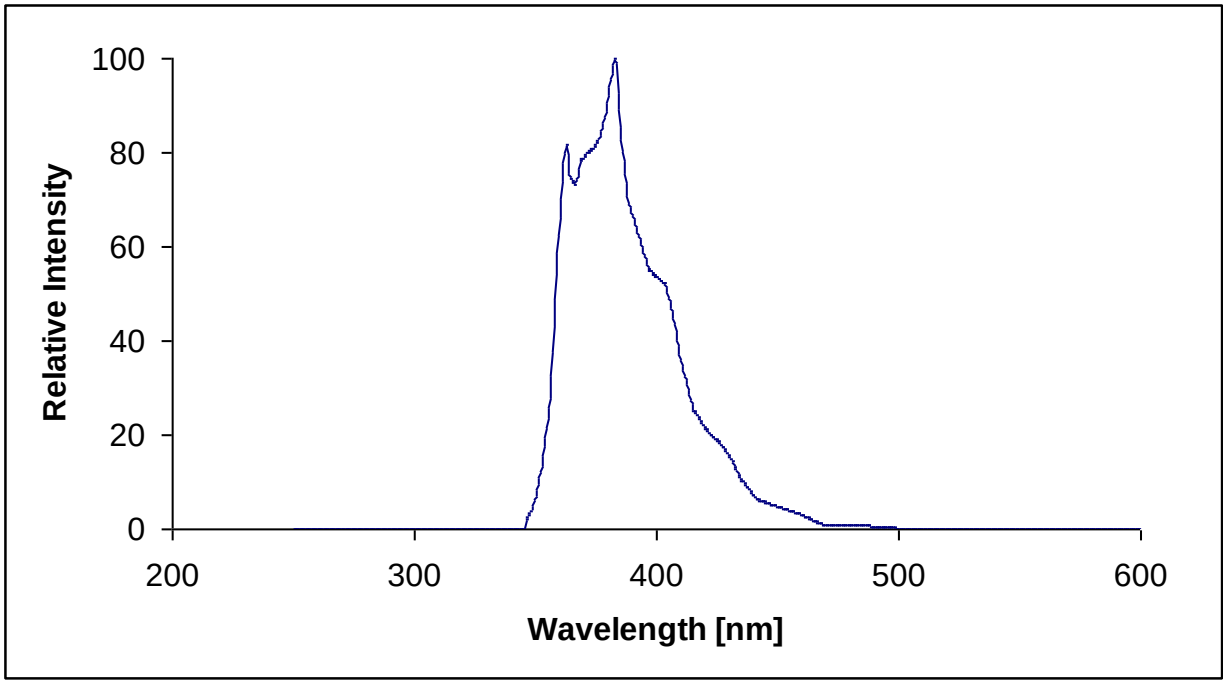




λ exc.	255.5 nm
Formula	$C_{16}H_{14}$
M.W.	206 u
H/H+C	0.467
m.p.	114-115°C
m.a.c. (266 nm)	1.75 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 804-III

P03PPB 2 – Phenylphenanthrene

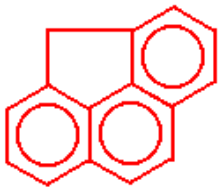


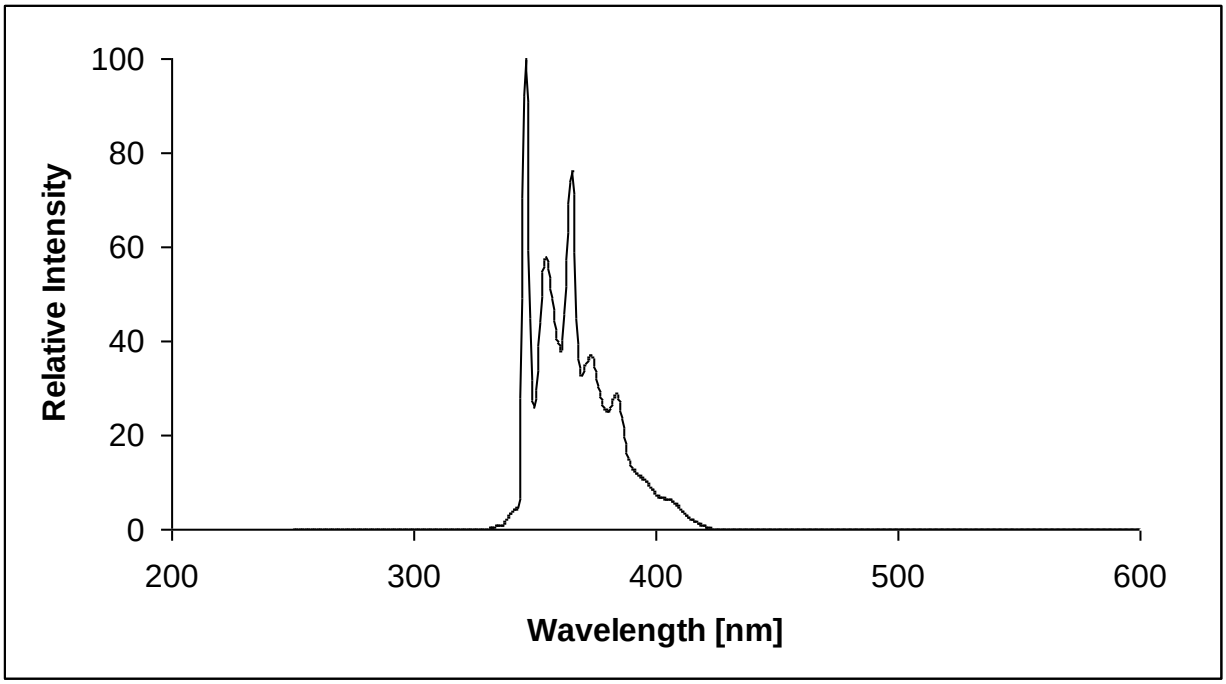


λ exc.	265 nm
Formula	$C_{20}H_{14}$
M.W.	254 u
H/H+C	0.412
m.p.	°C
m.a.c. (266 nm)	0.76 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P03PQ1 — 4,5 – Methylenephenanthrene (1)

4h-Cyclopenta(def)phenanthrene

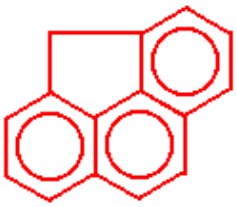


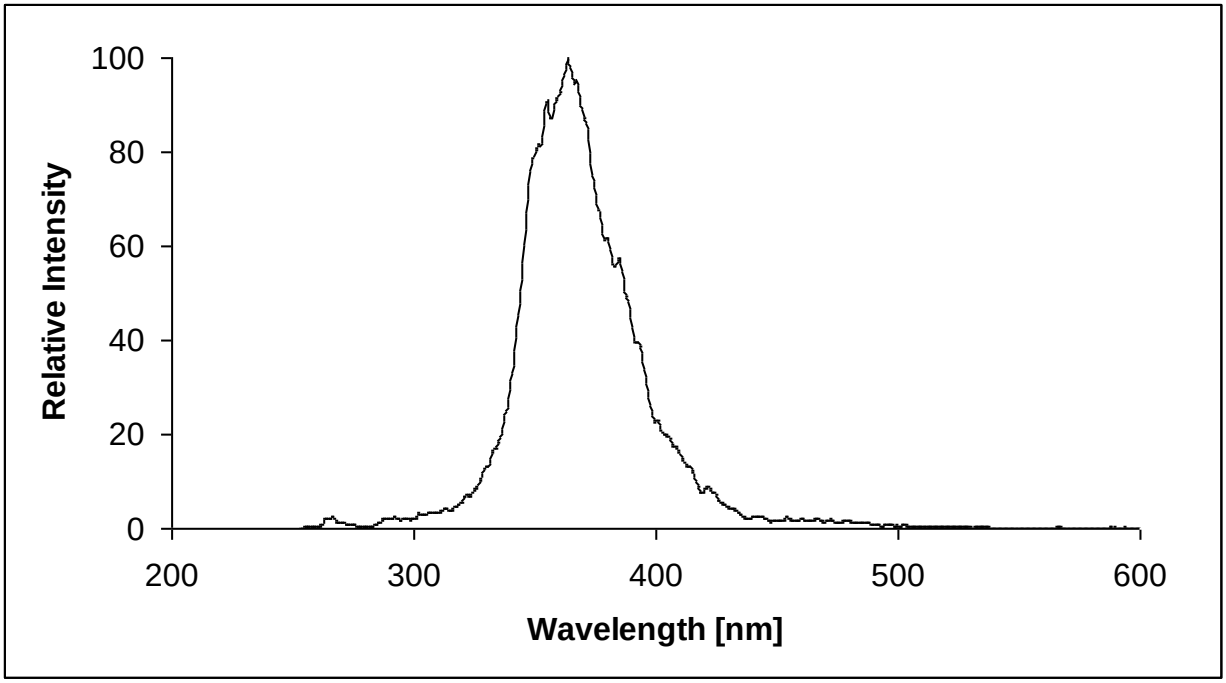


λ exc.	287.5 nm
Formula	$C_{15}H_{10}$
M.W.	190 u
H/H+C	0.400
m.p.	114-115°C
m.a.c. (266 nm)	1.6 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 684-III

P03PQ1G 4,5 – Methylenephenanthrene (2)

4h-Cyclopenta(def)phenanthrene

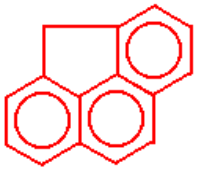


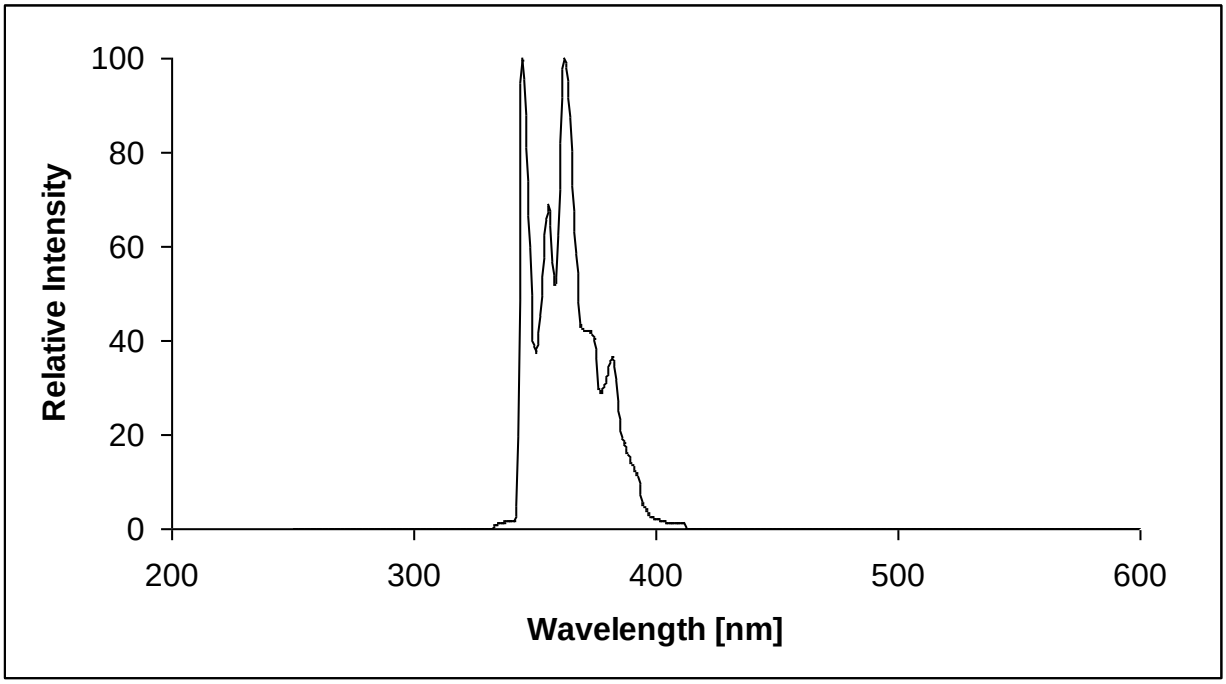


λ exc.	266 nm
Formula	$C_{15}H_{10}$
M.W.	190 u
H/H+C	0.400
m.p.	114-115°C
m.a.c. (266 nm)	1.6 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase
source	CNPM

P03PQ2 — 4,5 – Methylenephenanthrene (3)

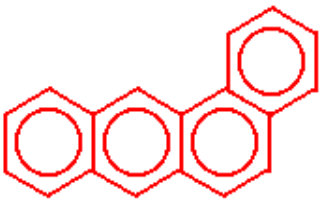
4h-Cyclopenta(def)phenanthrene

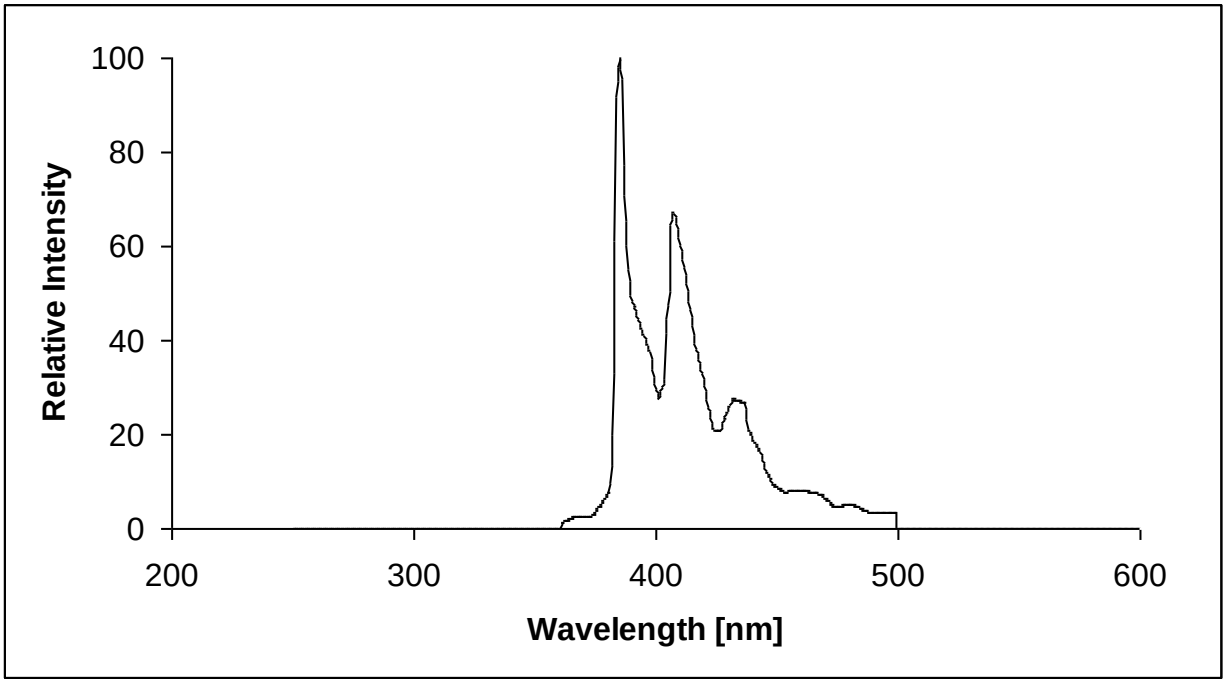




λ exc.	320 nm
Formula	$C_{15}H_{10}$
M.W.	190 u
H/H+C	0.400
m.p.	°C
m.a.c. (266 nm)	1.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[9]

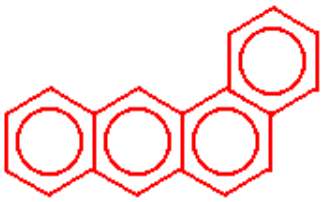
P04A0 Benz(a)anthracene (1)

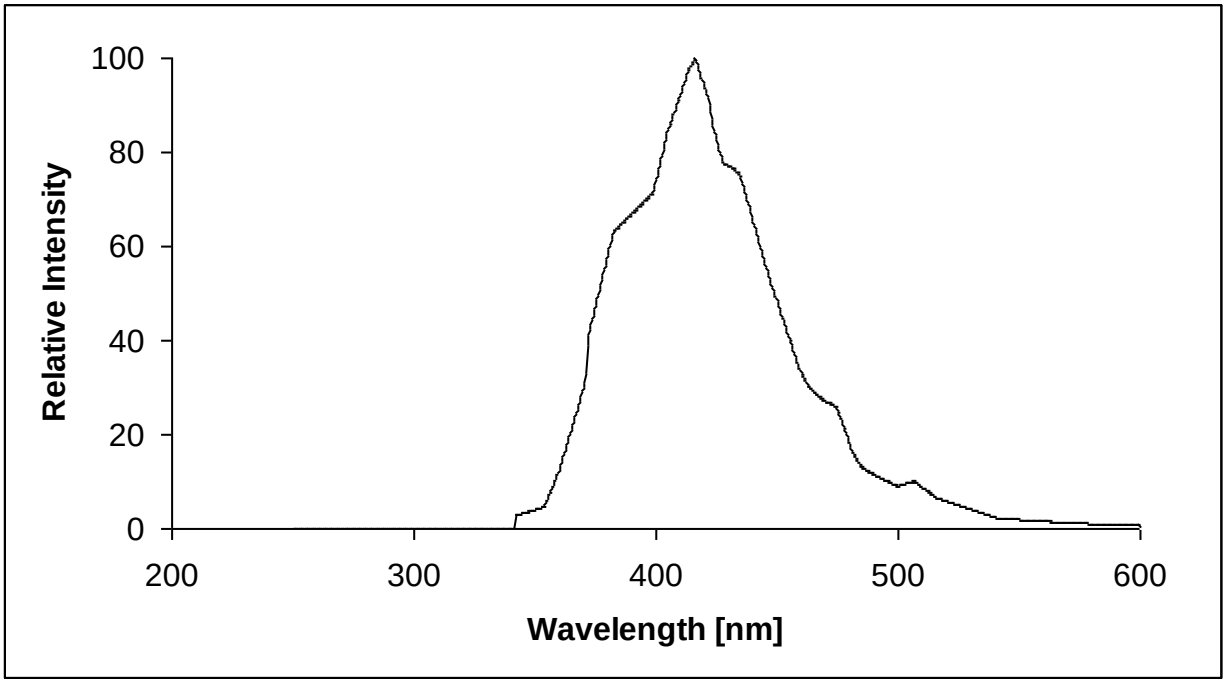




λ exc.	289 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	160.7°C
m.a.c. (266 nm)	3.2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 206-I

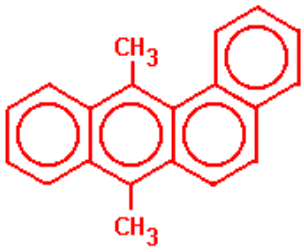
P04A0G Benz(a)anthracene (2)

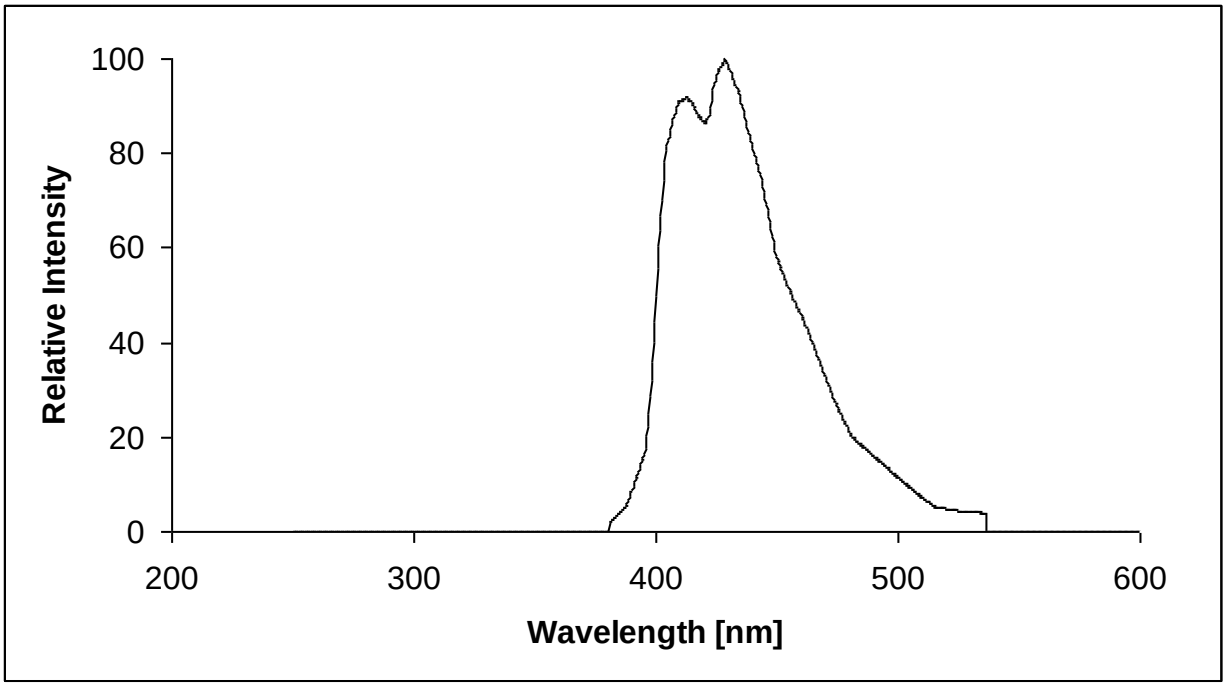




λ exc.	337 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	160.7°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 711 K
source	[1]

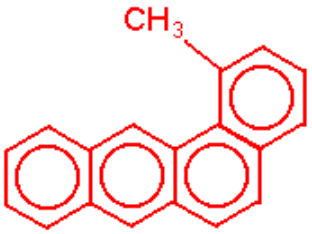
P04AM0 7,12 – Dimethylbenz(a)anthracene

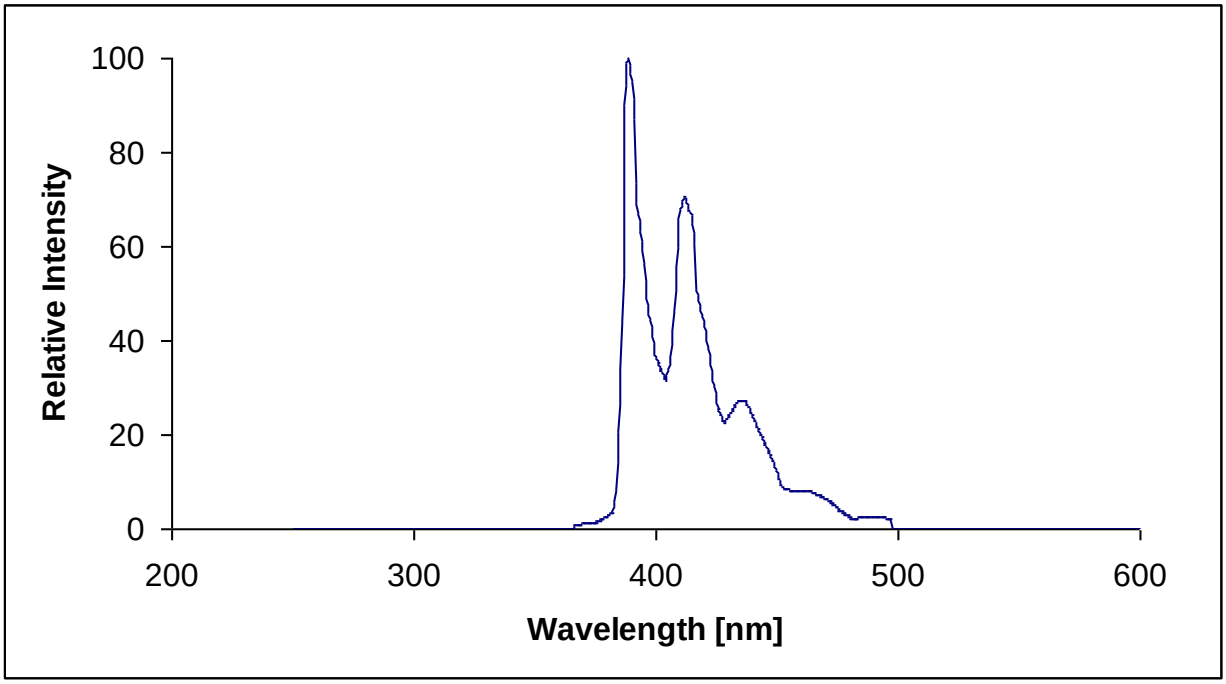




λ exc.	298 nm
Formula	$C_{20}H_{16}$
M.W.	256 u
H/H+C	0.444
m.p.	122°C
m.a.c. (266 nm)	2.8 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 502-II

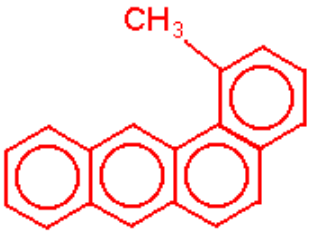
P04AMA1 1 – Methylbenz(a)anthracene(1)

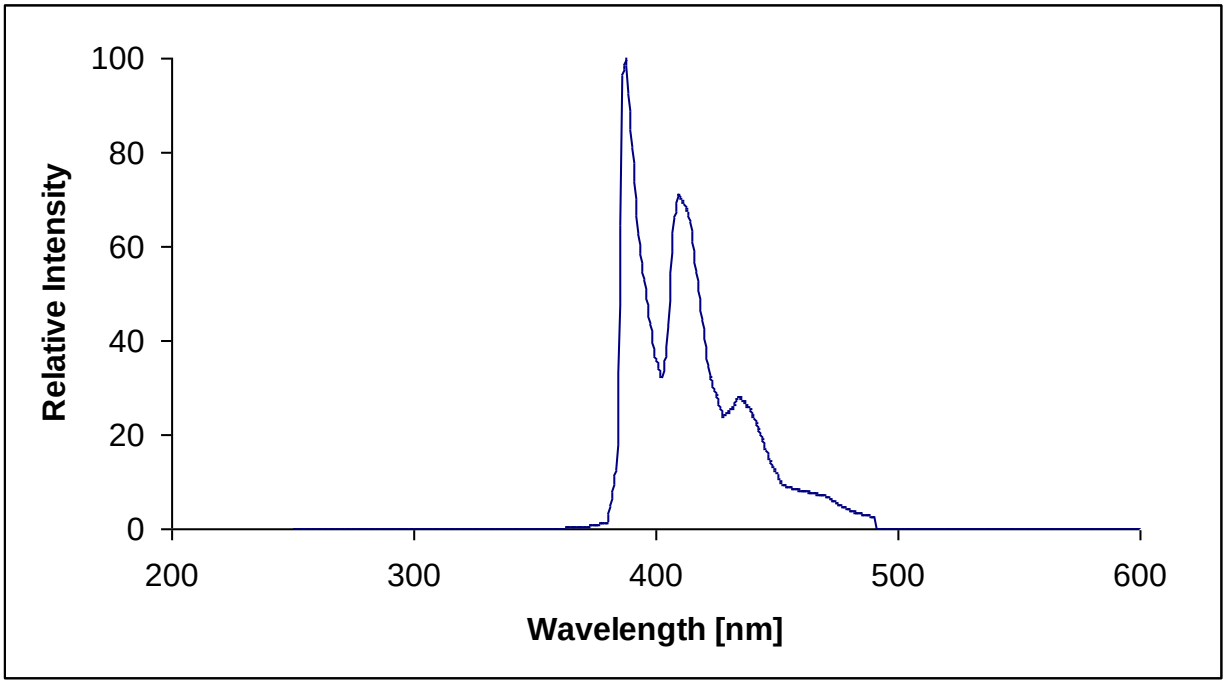




λ exc.	279 nm
Formula	C_9H_{14}
M.W.	240 u
H/H+C	0.424
m.p.	138.6°C
m.a.c. (266 nm)	3.6 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 320 -I

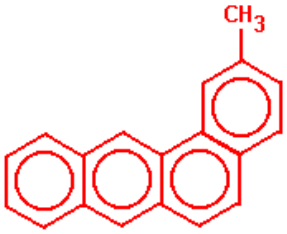
P04AMA2 1 – Methylbenz(a)anthracene(2)

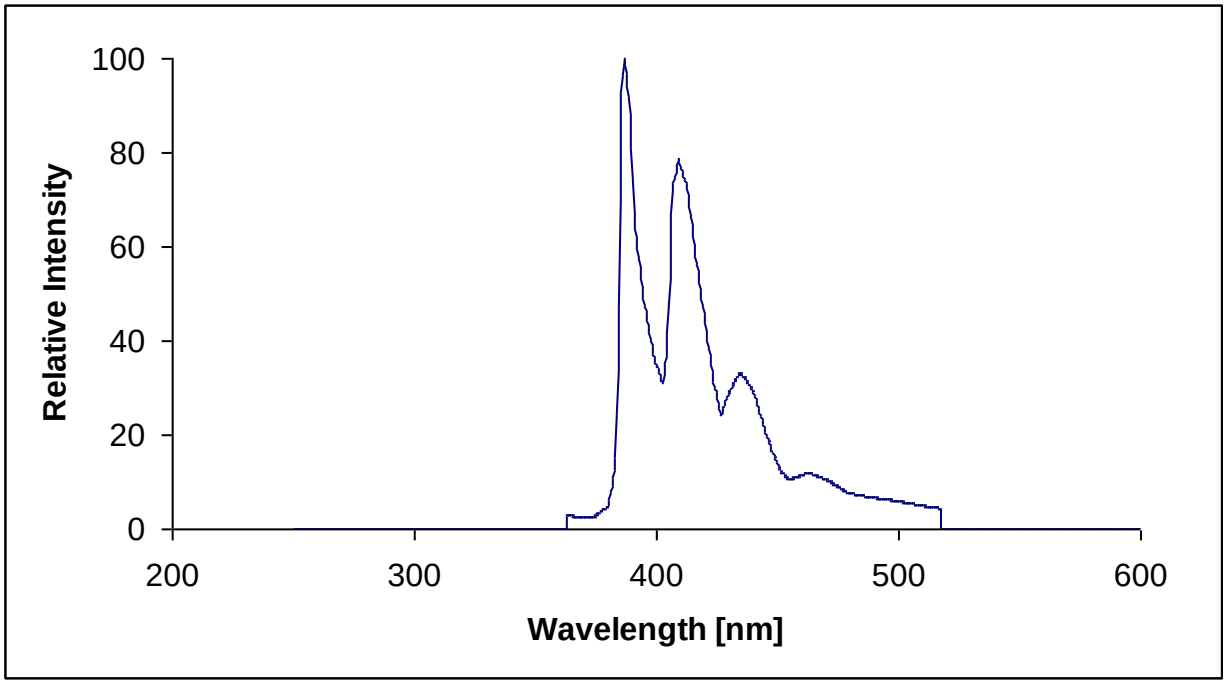




λ exc.	279 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	138.6°C
m.a.c. (266 nm)	3.6 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 280 -II

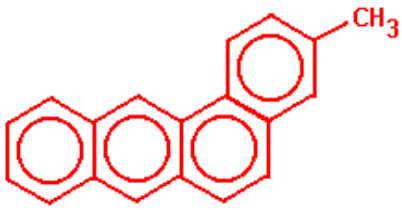
P04AMB 2 – Methylbenz(a)anthracene

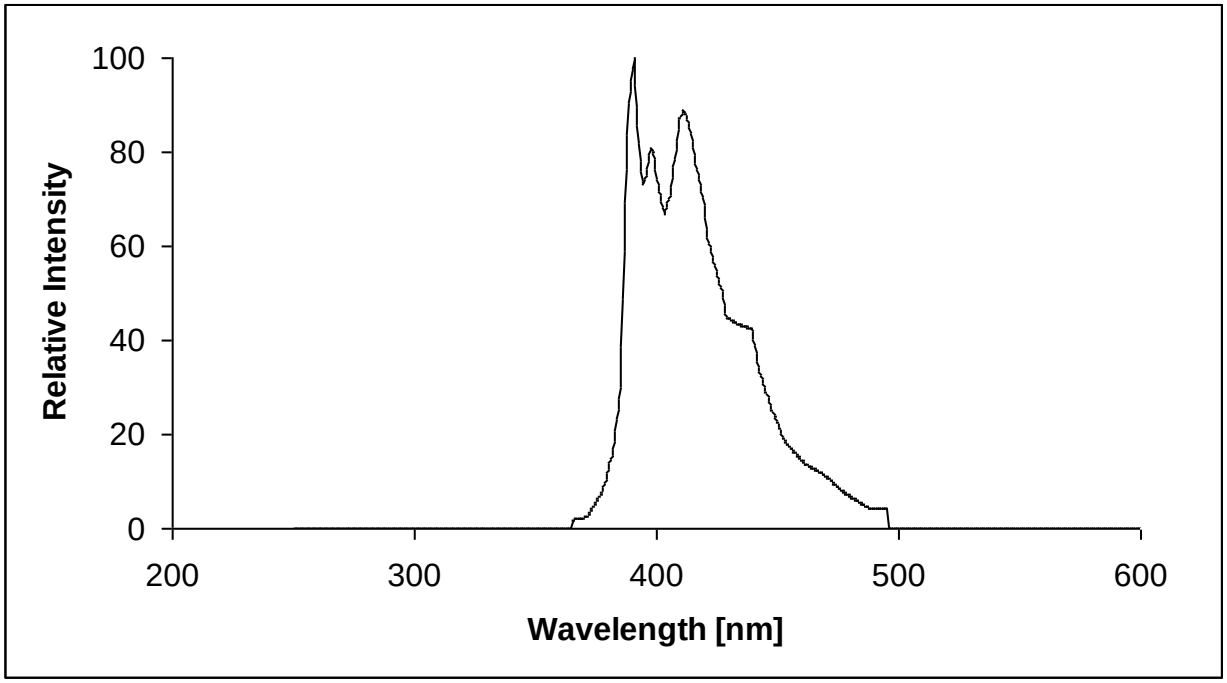




λ exc.	291 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	146-147°C
m.a.c. (266 nm)	3.16 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 298-II

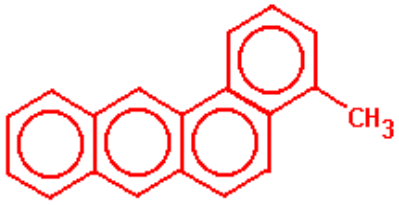
P04AMC 3 – Methylbenz(a)anthracene

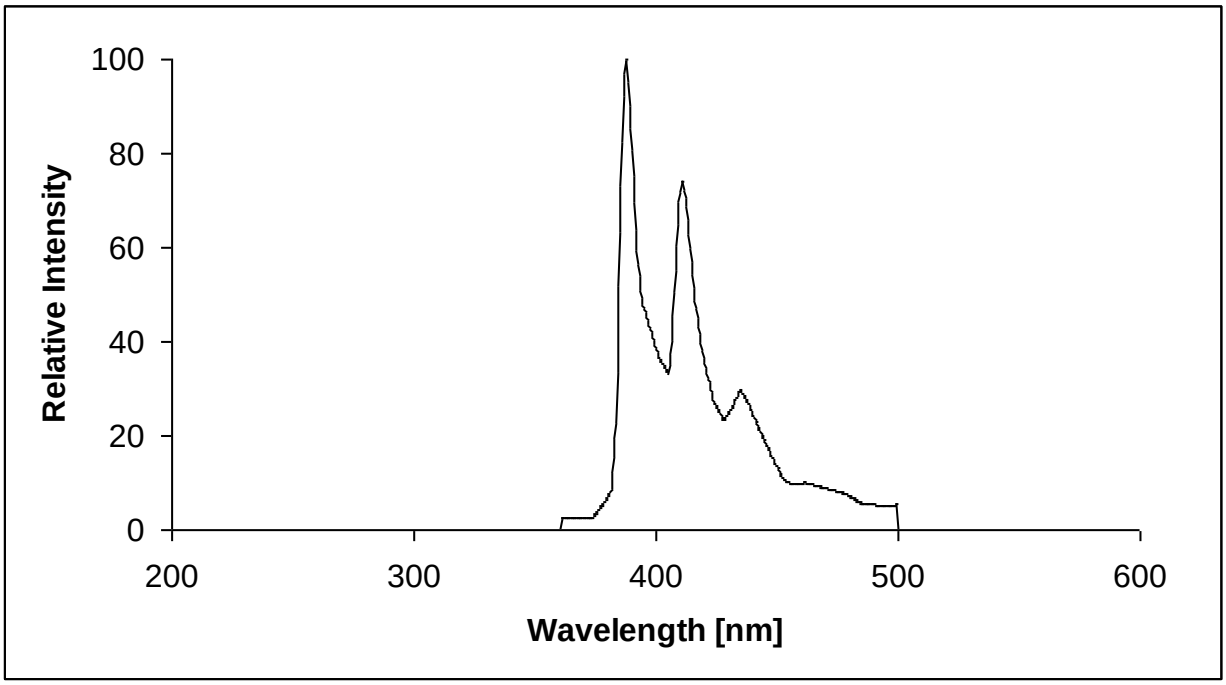




λ exc.	290 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	159-161°C
m.a.c. (266 nm)	2.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 306-II

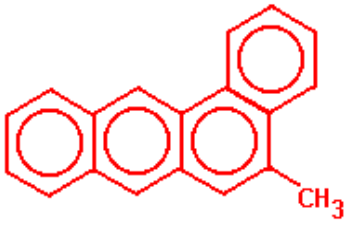
P04AMD 4 – Methylbenz(a)anthracene

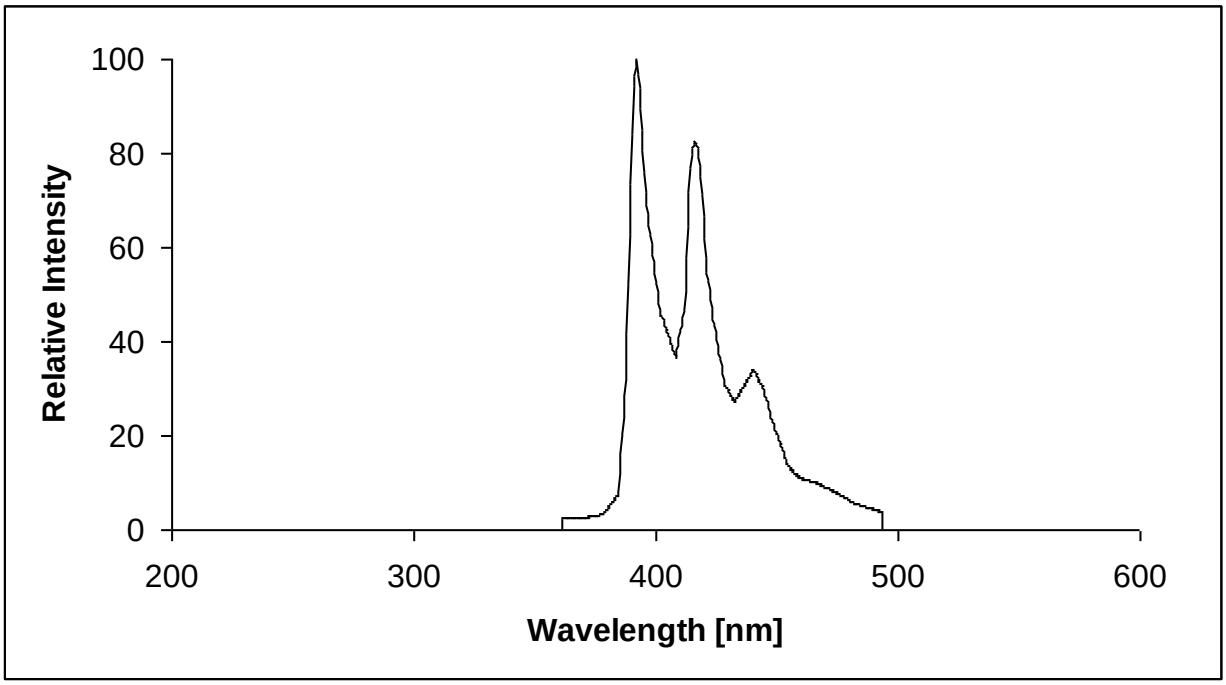




λ exc.	294 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	193°C
m.a.c. (266 nm)	2.9 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 320-II

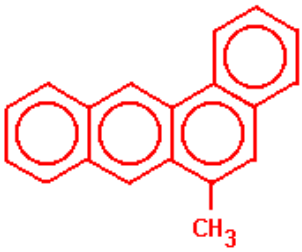
P04AME 5 – Methylbenz(a)anthracene

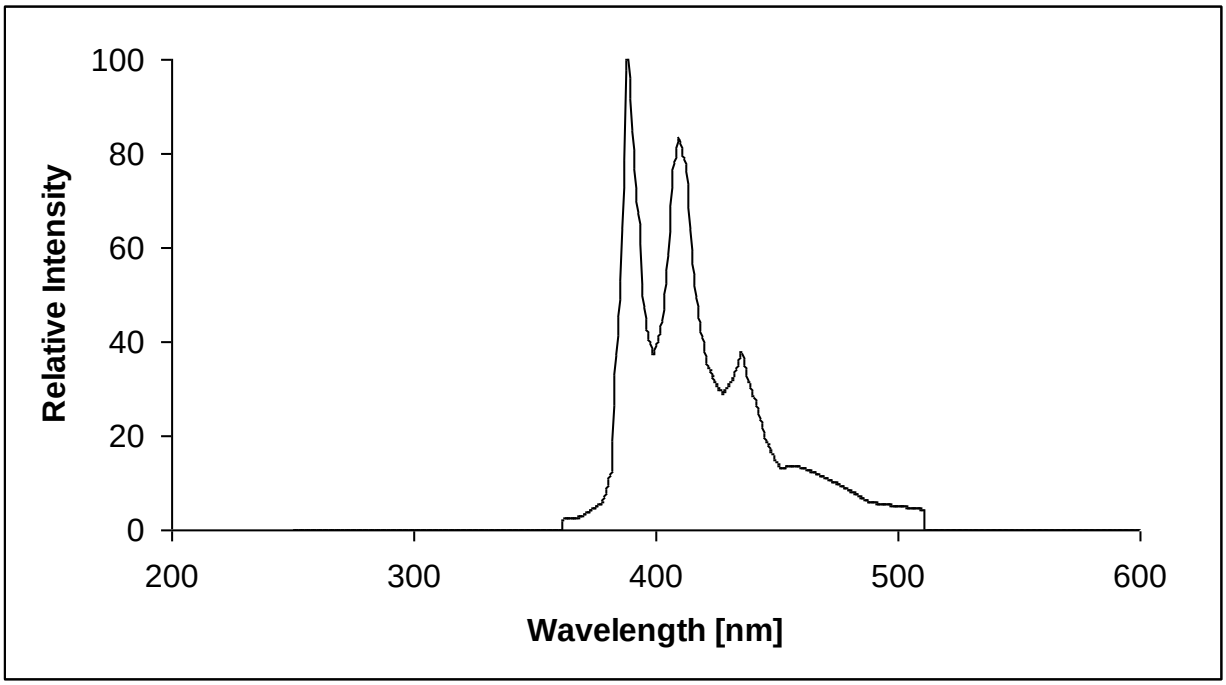




λ exc.	291 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	154°C
m.a.c. (266 nm)	2.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 334-II

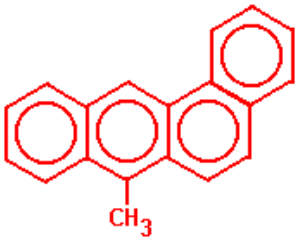
P04AMF 6 – Methylbenz(a)anthracene

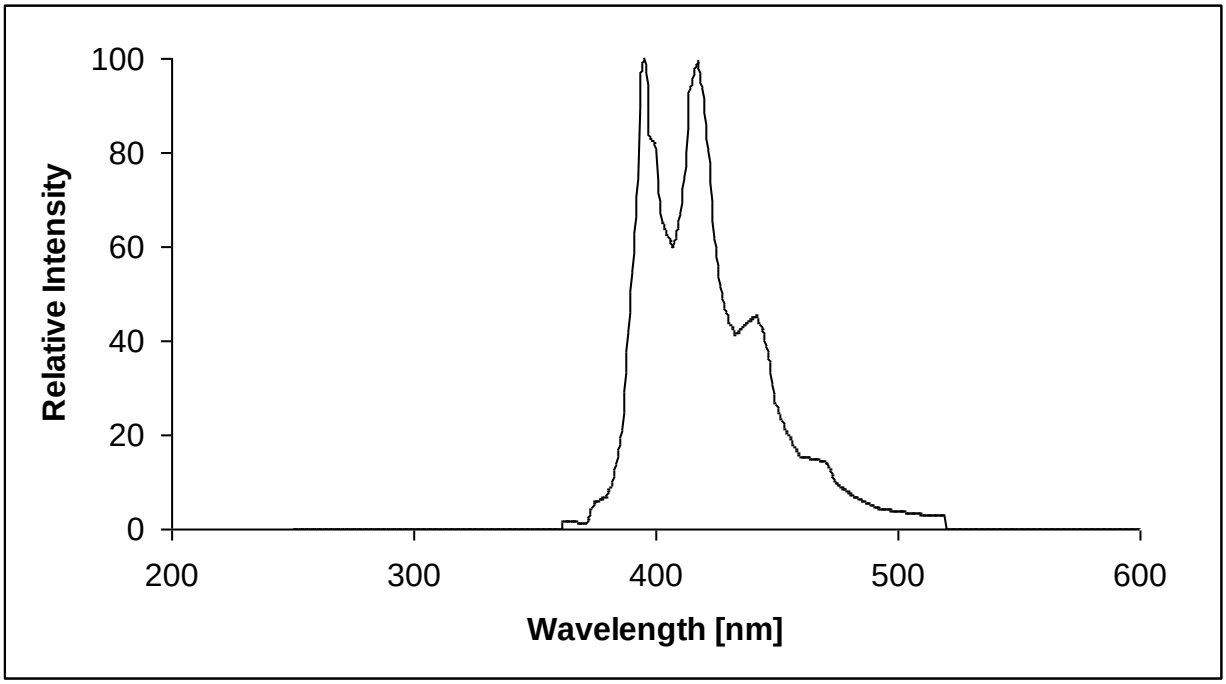




λ exc.	290 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	125°C
m.a.c. (266 nm)	7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 348-II

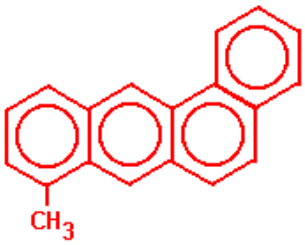
P04AMG 7 – Methylbenz(a)anthracene

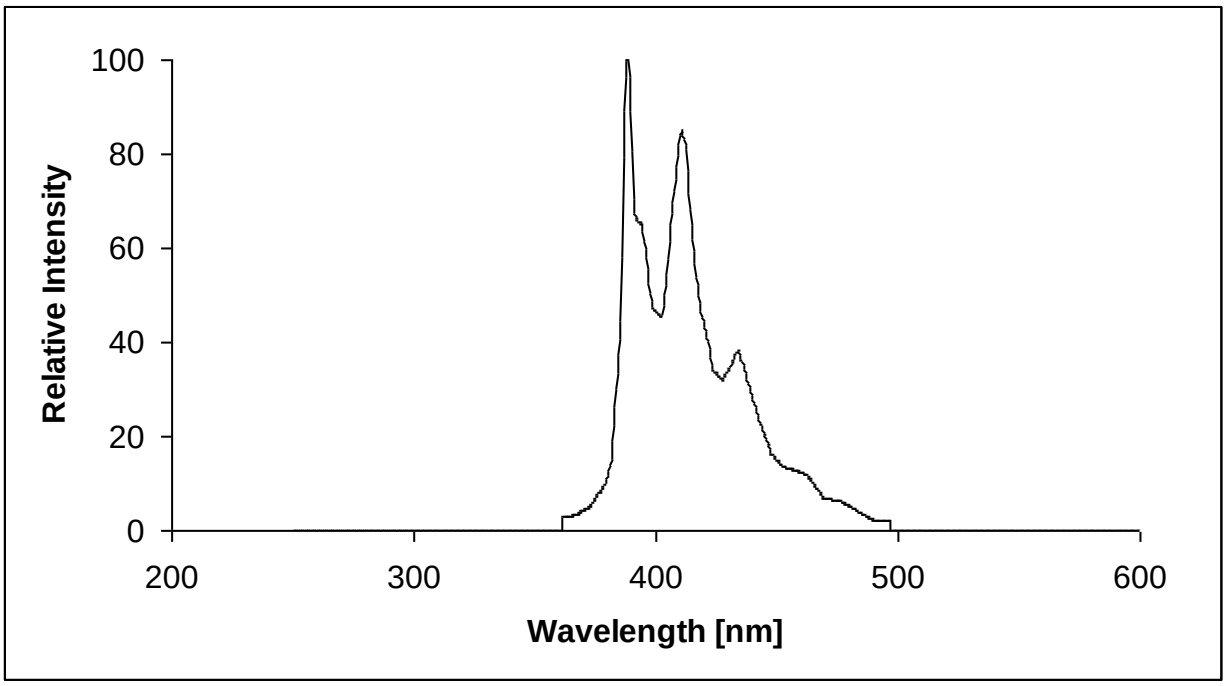




λ exc.	293 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	134°C
m.a.c. (266 nm)	3.9 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 362-II

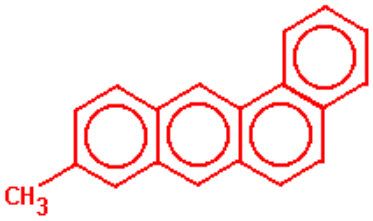
P04AMH 8 - Methylbenz(a)anthracene

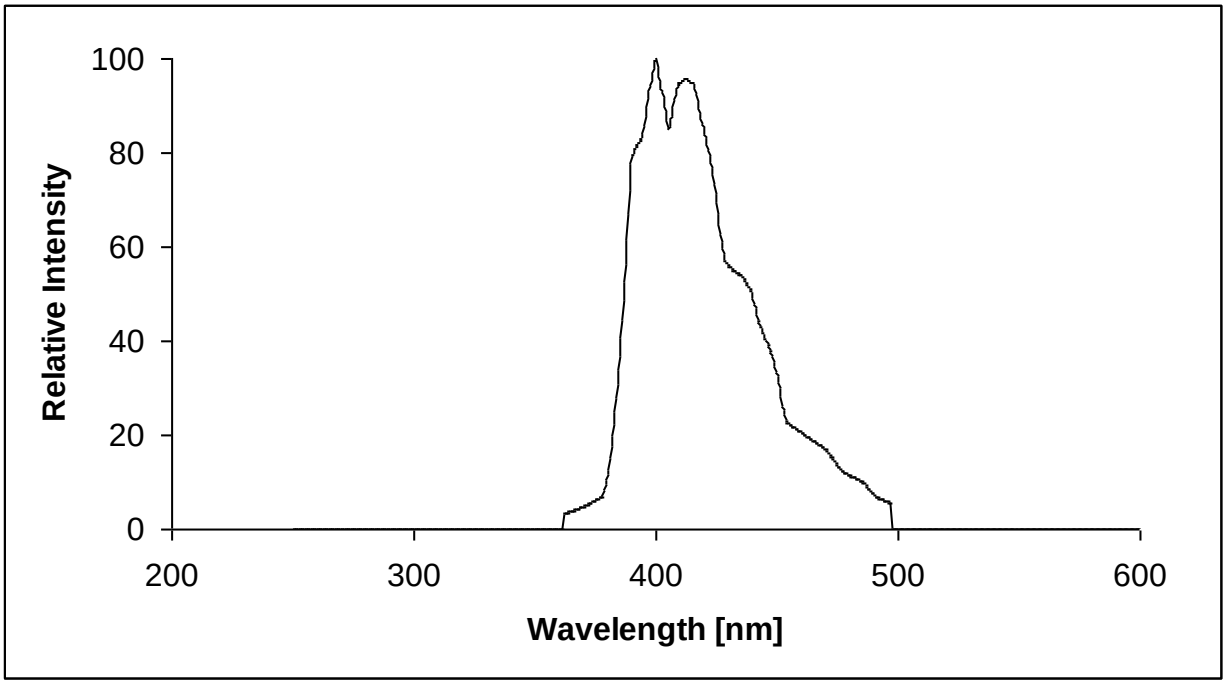




λ exc.	291 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	158°C
m.a.c. (266 nm)	3.3 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 374-II

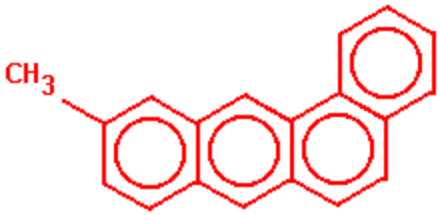
P04AMI 9 – Methylbenz(a)anthracene

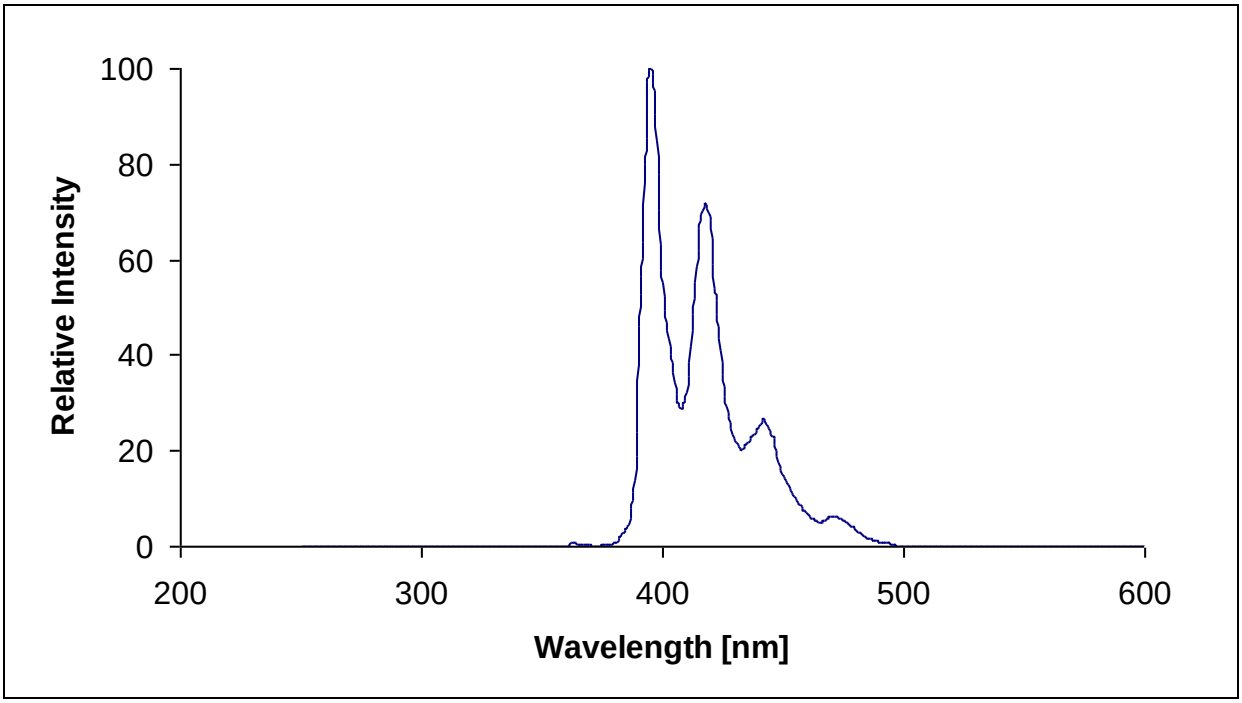




λ exc.	290 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	151°C
m.a.c. (266 nm)	3.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 390-II

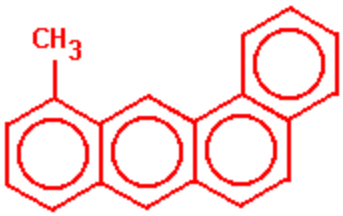
P04AMJ 10-Methylbenz(a)anthracene

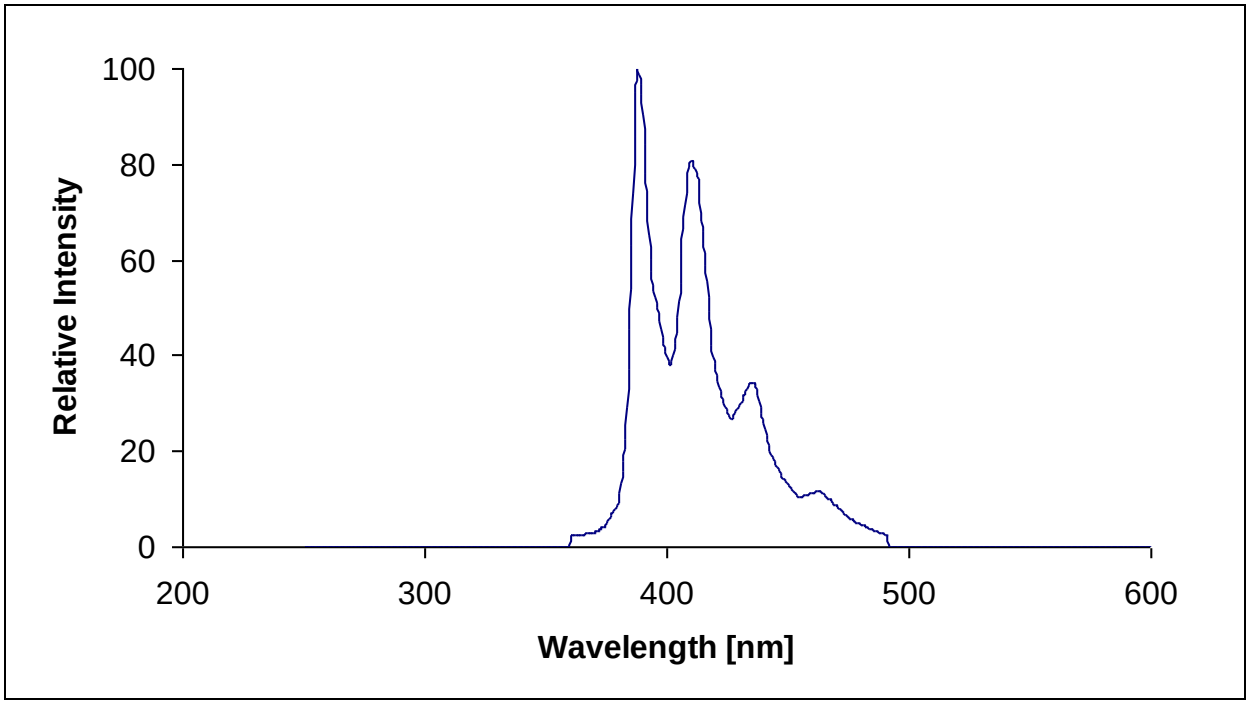




λ exc.	290.5 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	139 °C
m.a.c. (266 nm)	2.1 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 404-II

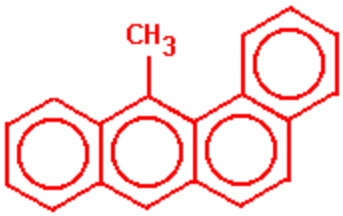
P04AMK 11-Methylbenz(a)anthracene

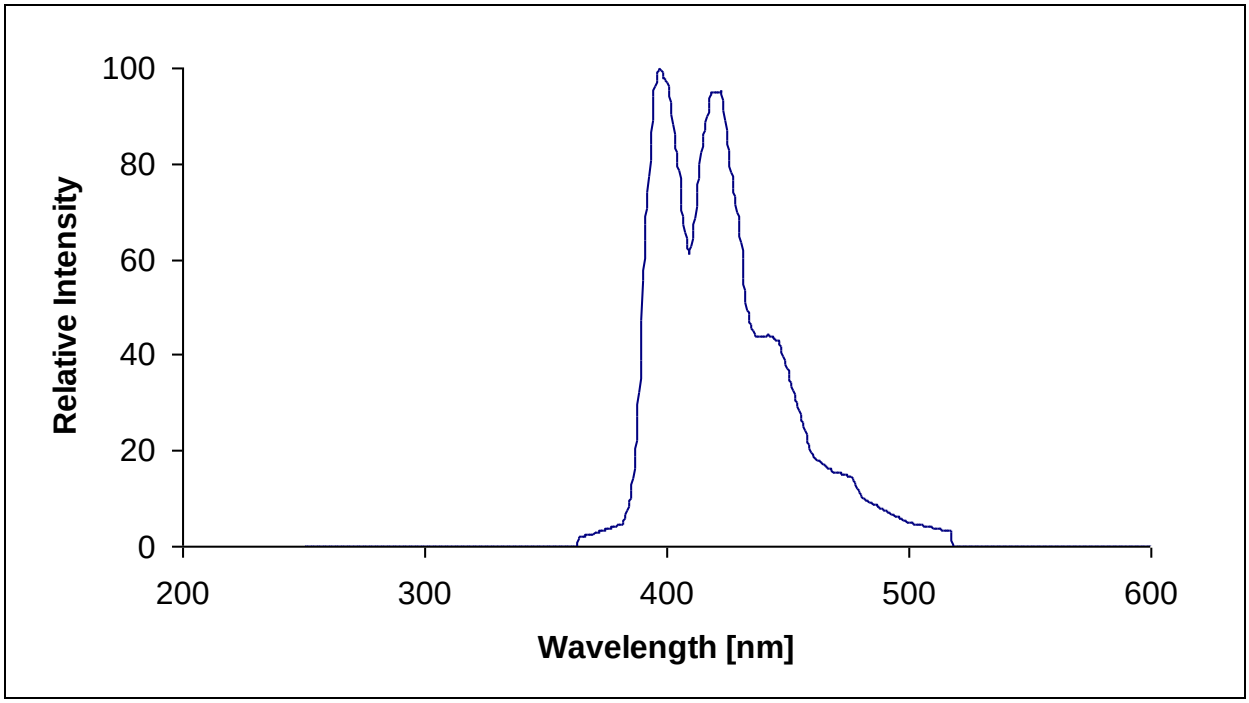




λ exc.	292.5 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	117.5 °C
m.a.c. (266 nm)	4.2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 418-II

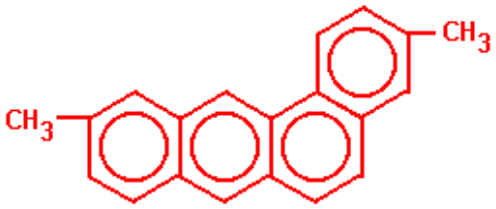
P04AML 12-Methylbenz(a)anthracene

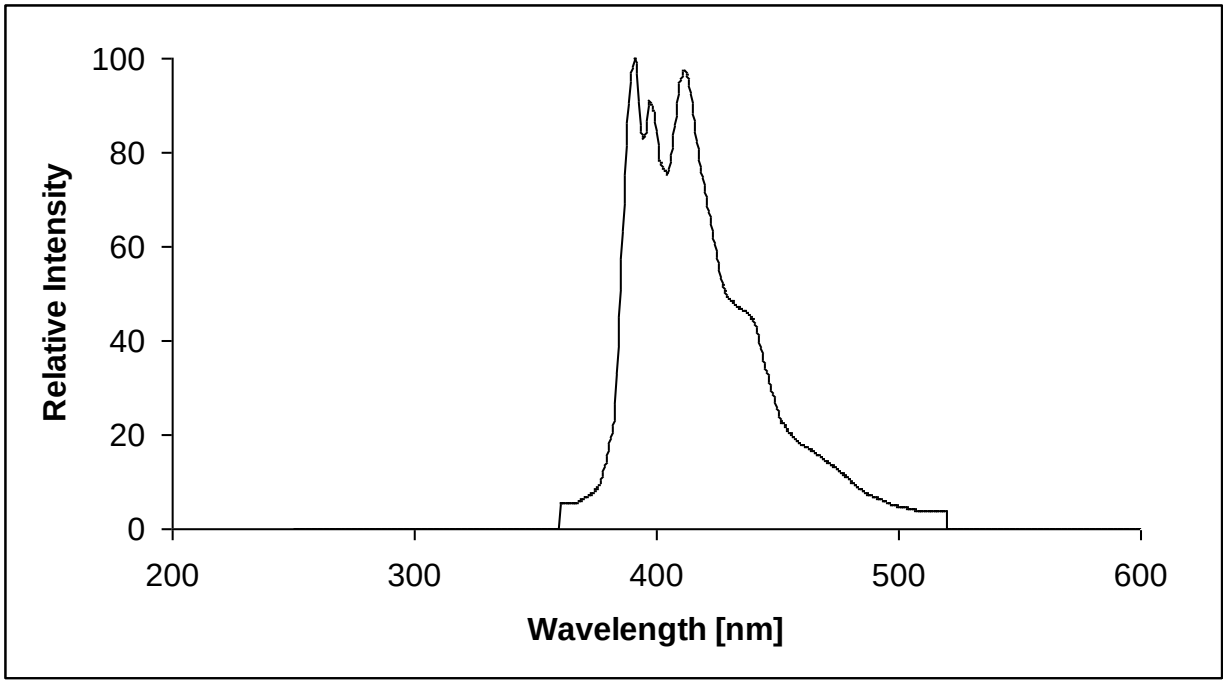




λ exc.	292 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	138 °C
m.a.c. (266 nm)	3.15(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	ATLAS pag.338-I (432-II)

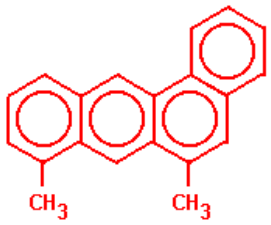
P04AMM 3,9 – Dimethylbenz(a)anthracene

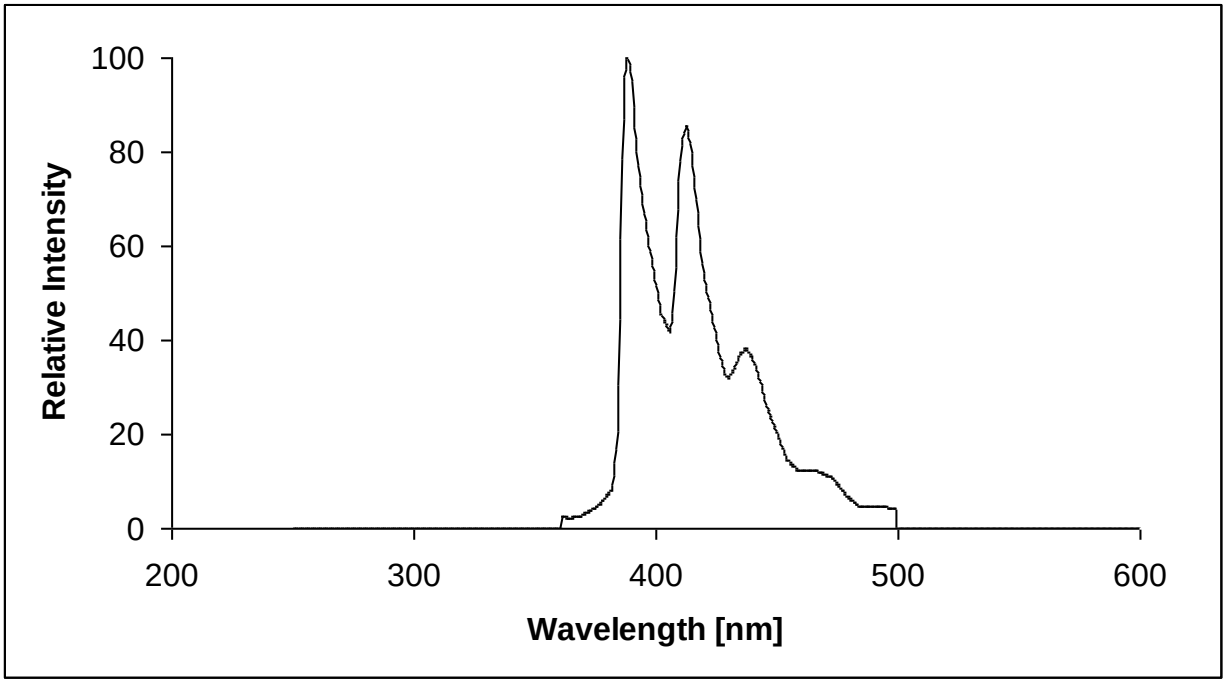




λ exc.	292 nm
Formula	$C_{20}H_{16}$
M.W.	256 u
H/H+C	0.444
m.p.	186°C
m.a.c. (266 nm)	2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 466-II

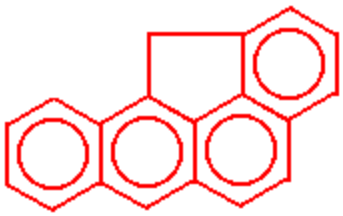
P04AMN 6,8 – Dimethylbenz(a)anthracene

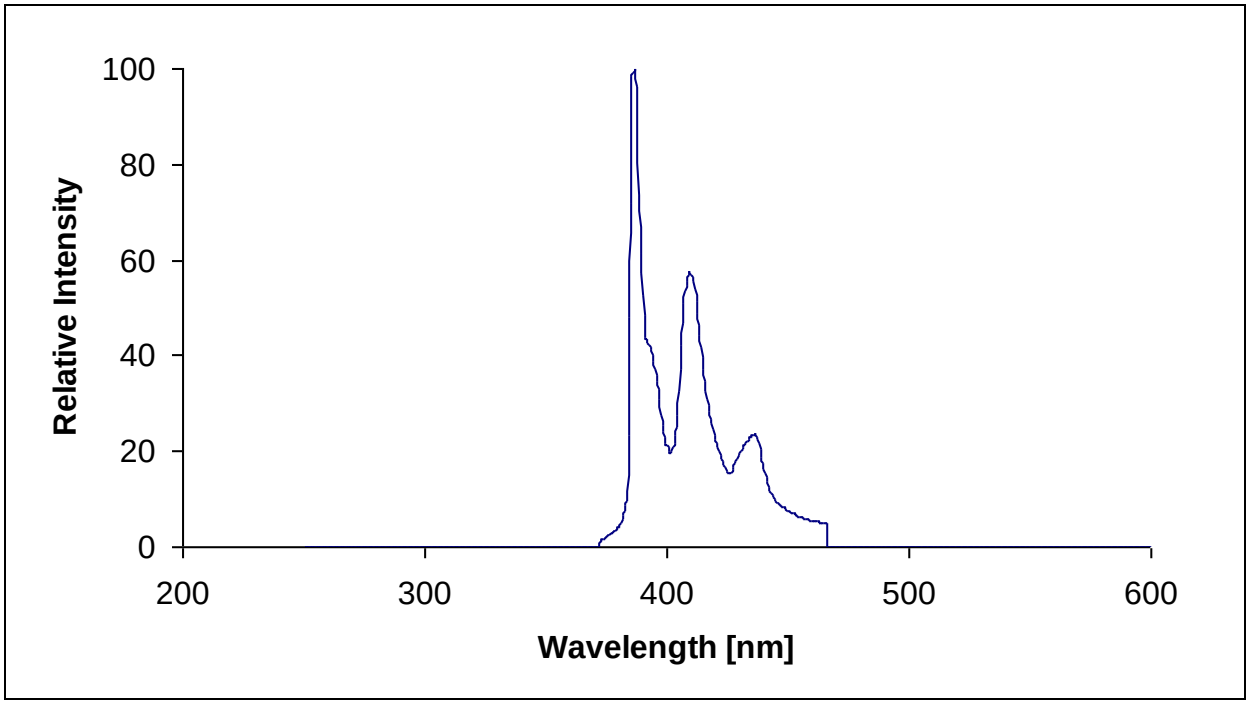




λ exc.	291.5 nm
Formula	$C_{20}H_{16}$
M.W.	256 u
H/H+C	0.444
m.p.	143°C
m.a.c. (266 nm)	4.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 484-II

P04AQ 11H-Benzo(bc)aceanthrylene

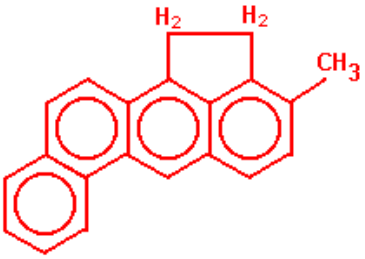


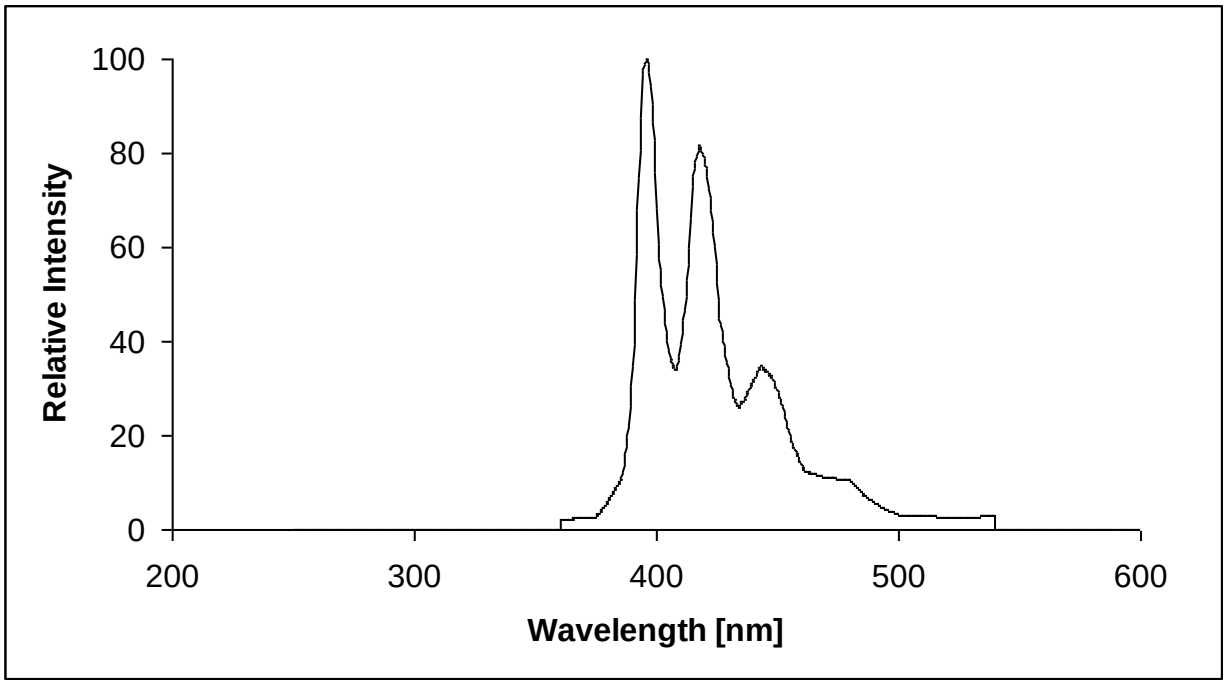


λ exc.	350 nm
Formula	$C_{19}H_{12}$
M.W.	240 u
H/H+C	0.387
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[9]

P04AW 3 – Methyl-1,2-dihydrobenz(j)aceanthrylene

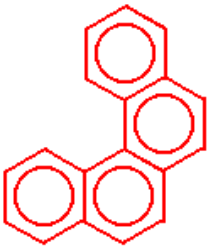
3 – Methylchcolanthrene

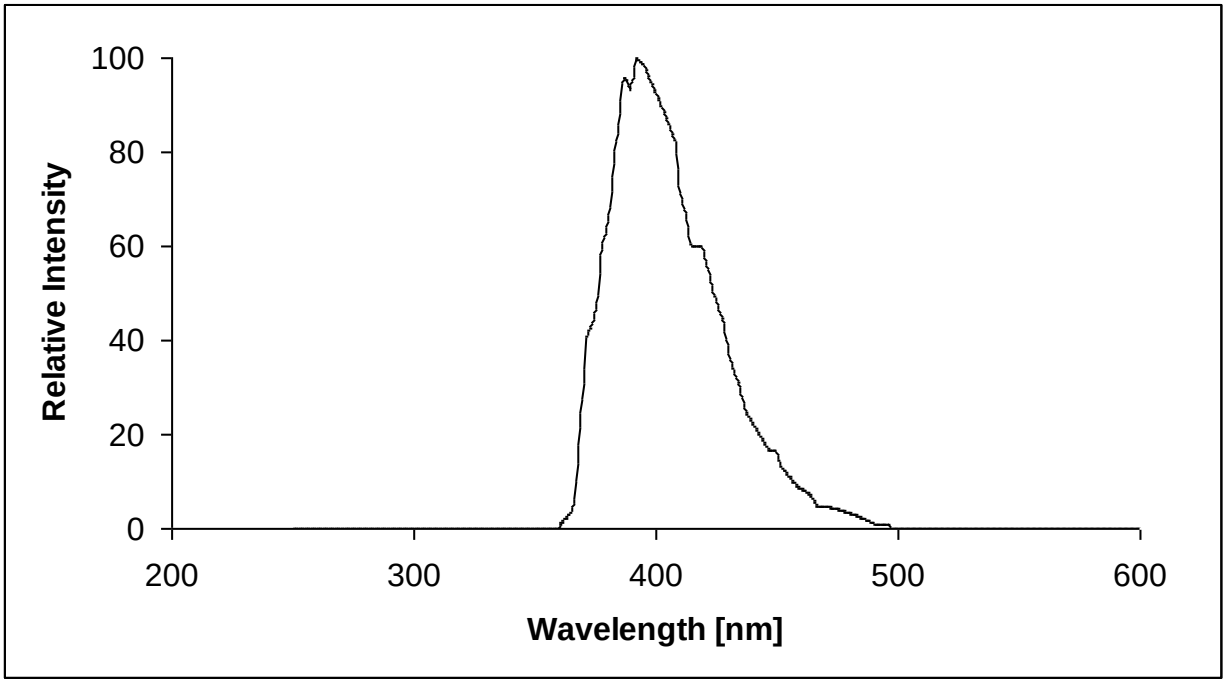




λ exc.	297 nm
Formula	$C_{21}H_{16}$
M.W.	268 u
H/H+C	0.432
m.p.	179°C
m.a.c. (266 nm)	2.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 554-II

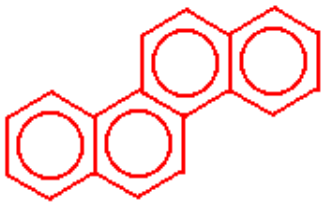
P04B Benzo(c)phenanthrene

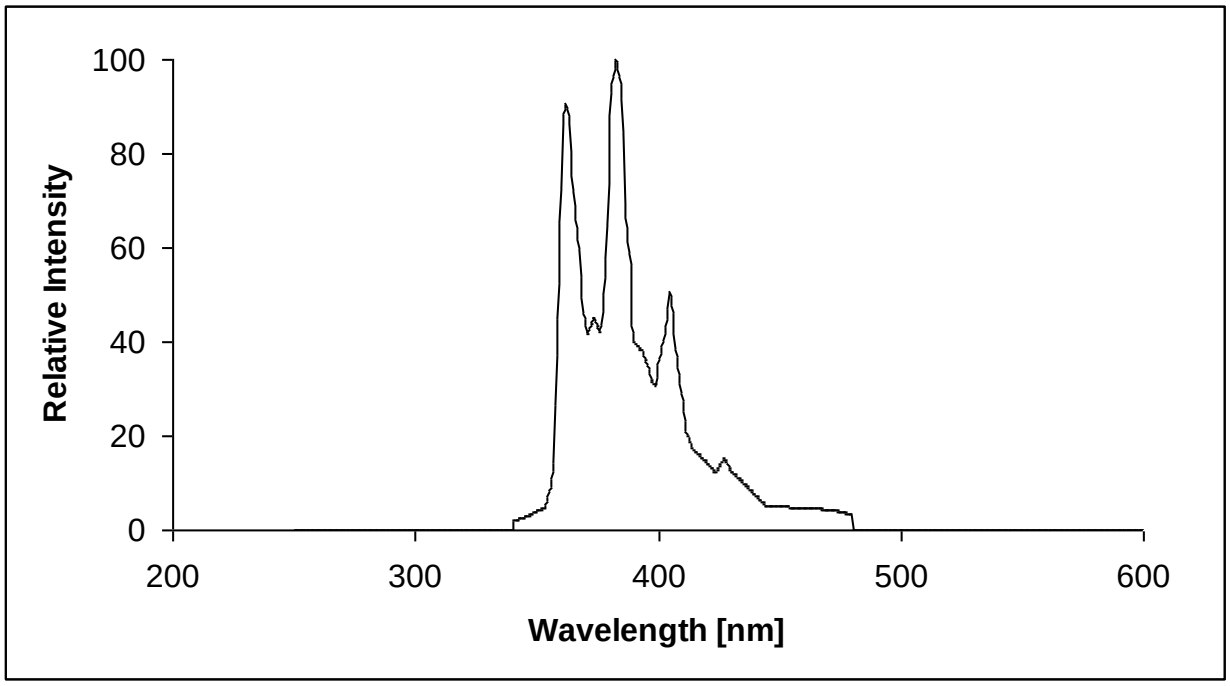




λ exc.	300 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	66.1°C
m.a.c. (266 nm)	3.2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 226-I

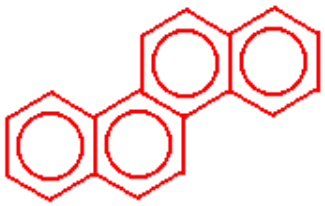
P04C Chrysene (1)

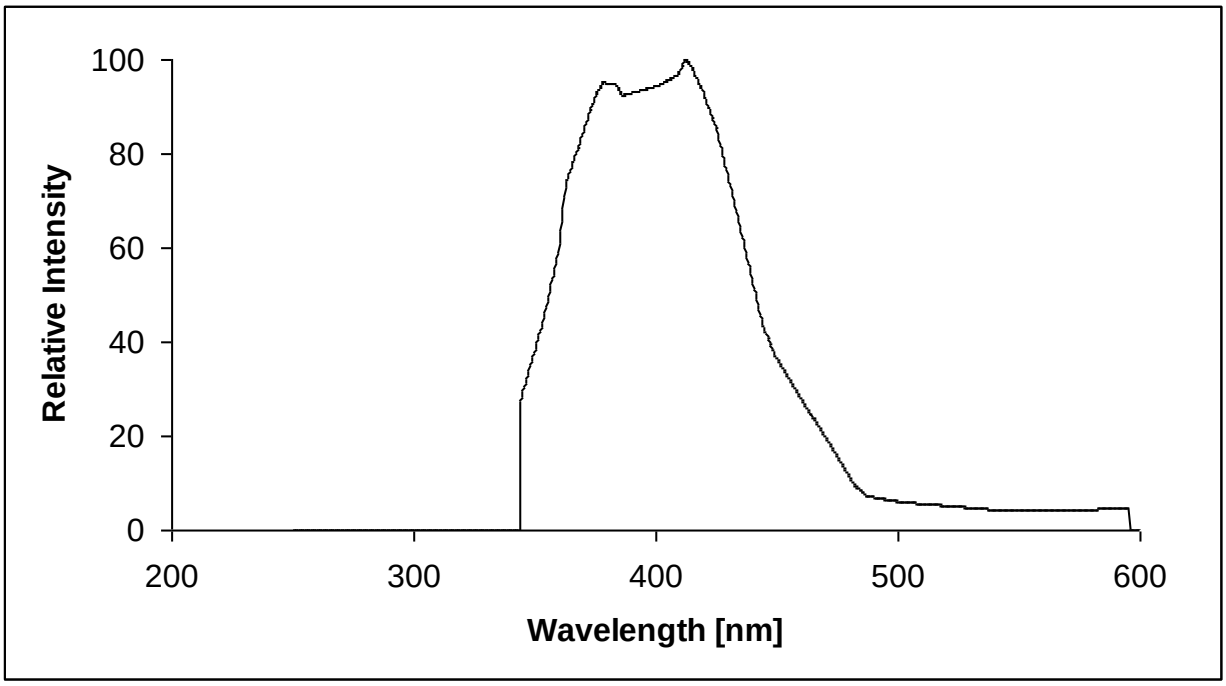




λ exc.	269 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	253.5°C
m.a.c. (266 nm)	9.6 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 246-I

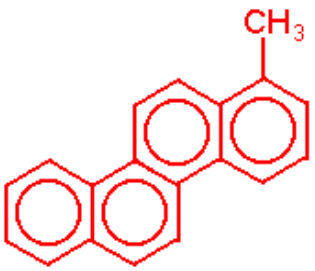
P04CG Chrysene (2)

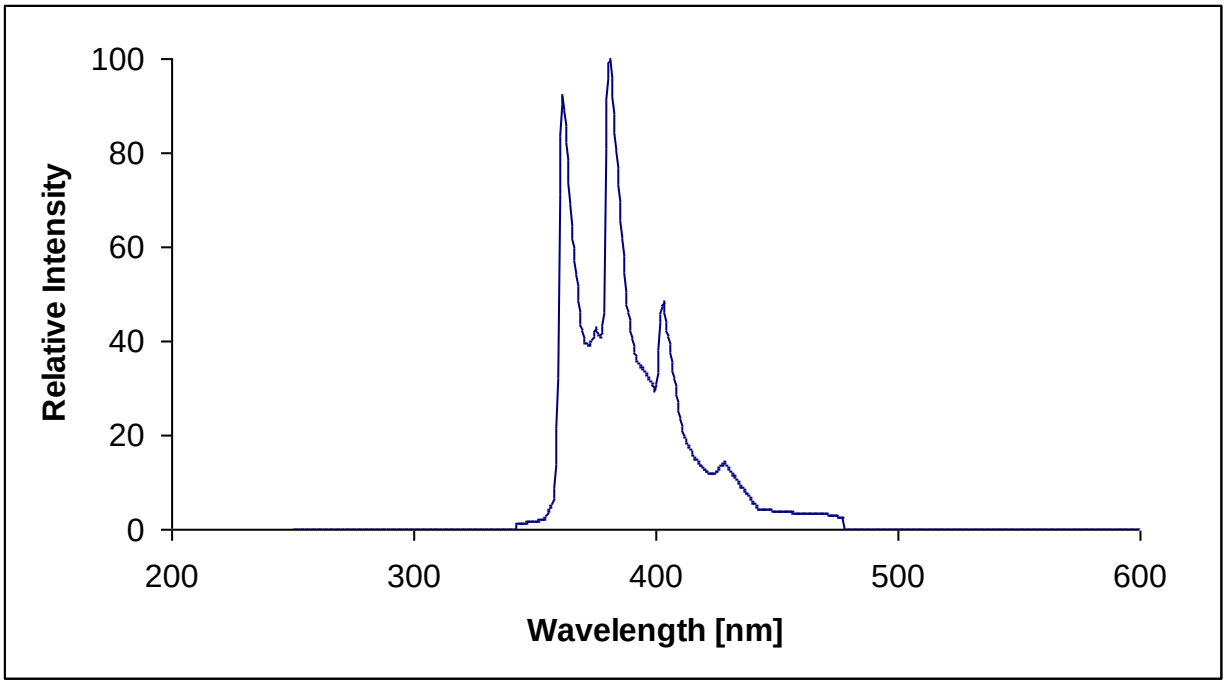




λ exc.	337 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	253.5°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 714 K
source	[1]

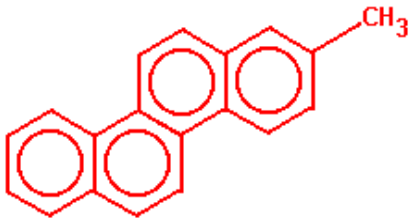
P04CMA 1 – Methylchrysene

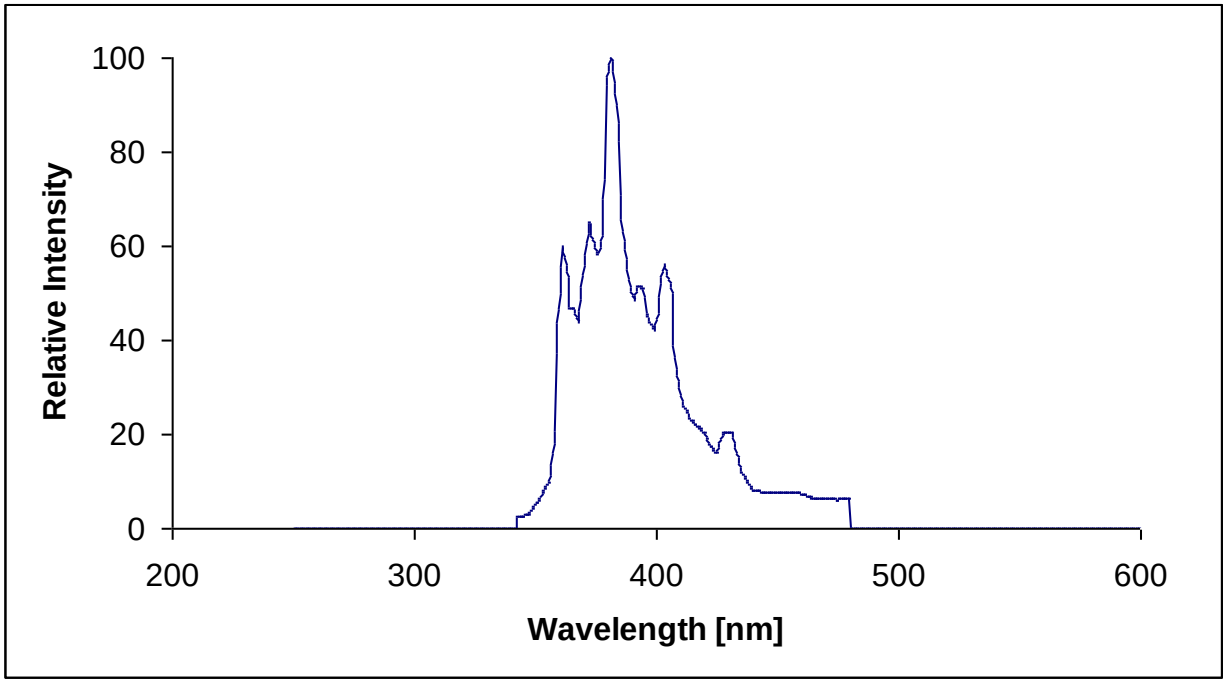




λ exc.	271 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	254.4°C
m.a.c. (266 nm)	7.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 354 -I

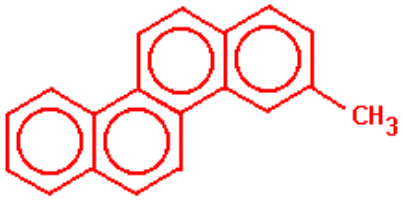
P04CMB 2 – Methylchrysene

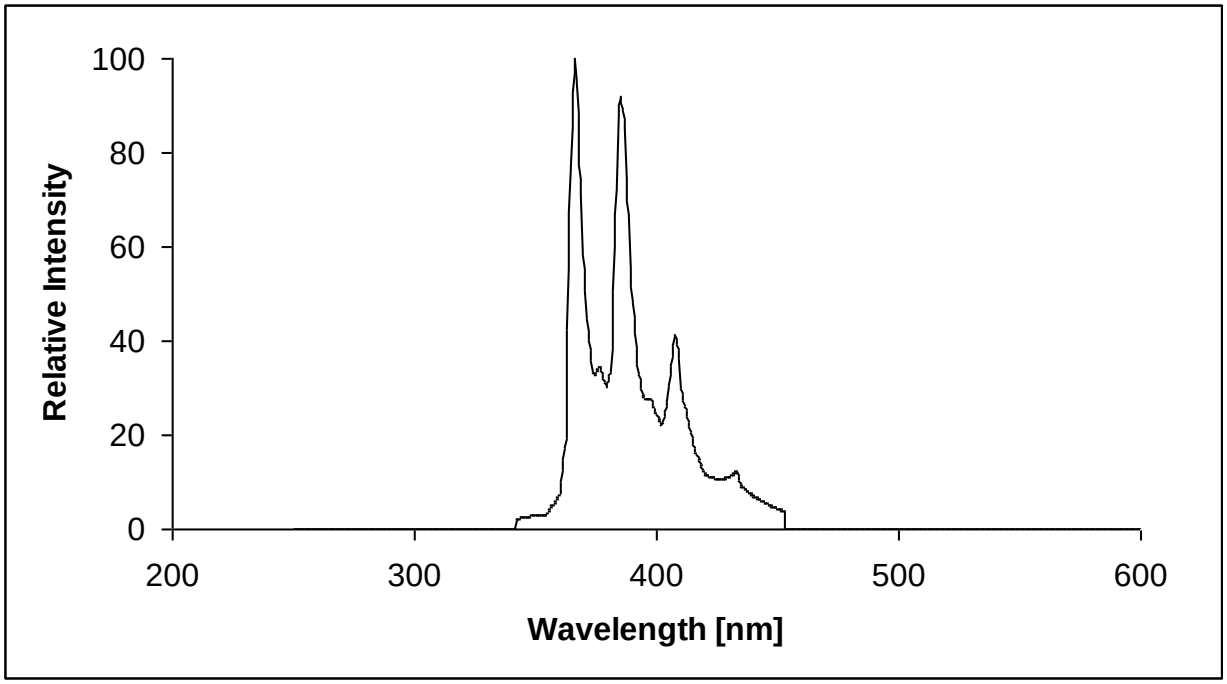




λ exc.	217 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	230.2°C
m.a.c. (266 nm)	7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 372-I

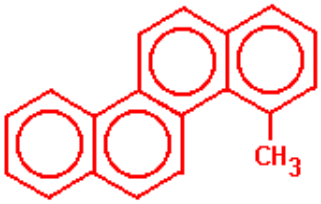
P04CMC 3 – Methylchrisene

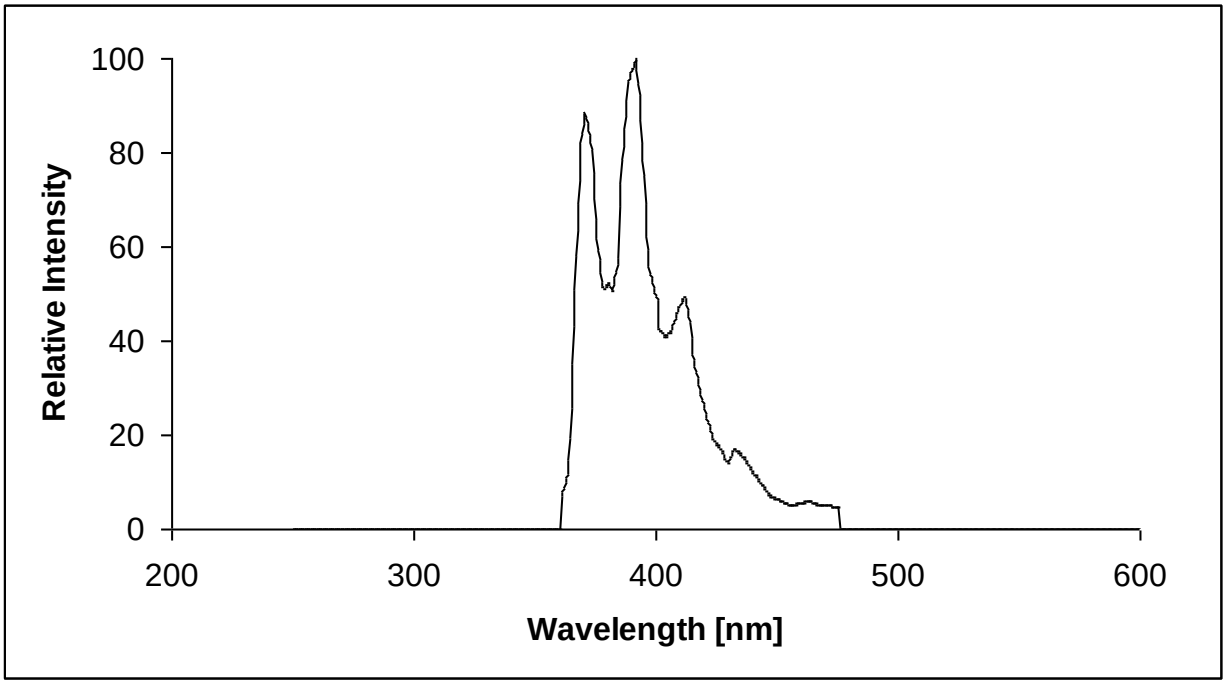




λ exc.	271 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	171.9°C
m.a.c. (266 nm)	7.1 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 390-I

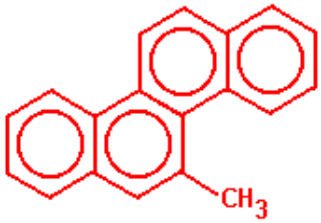
P04CMD 4 – Methylchrysene

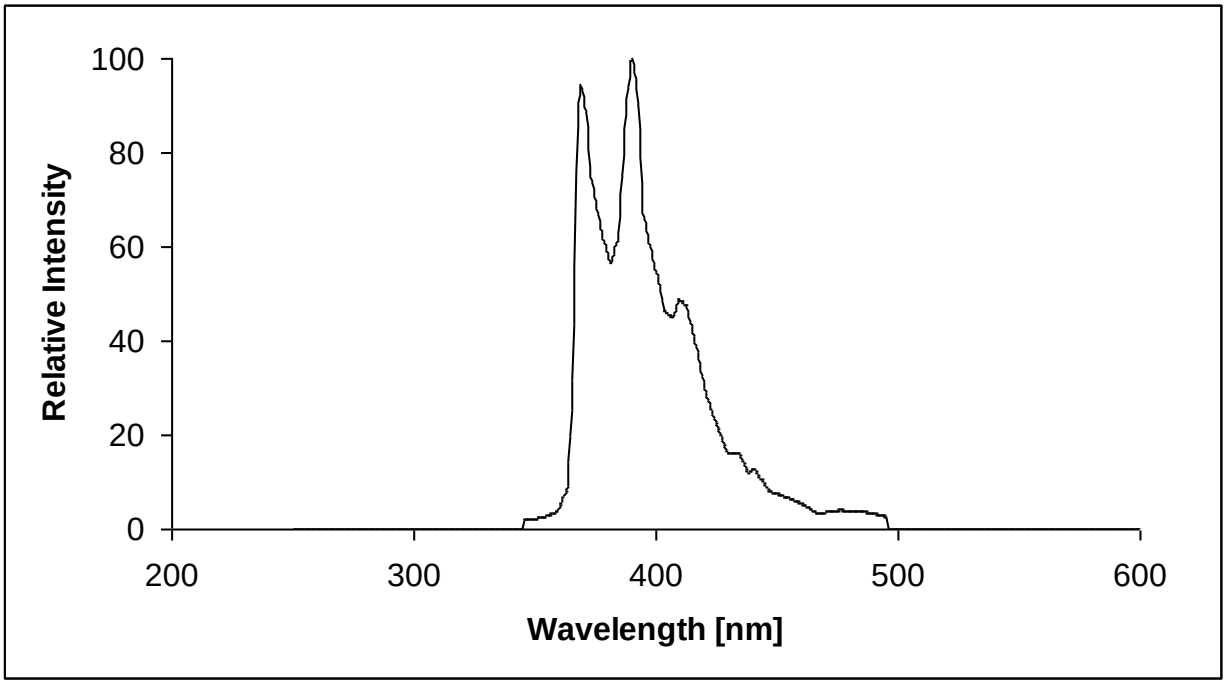




λ exc.	272 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	150.6°C
m.a.c. (266 nm)	7.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 408-I

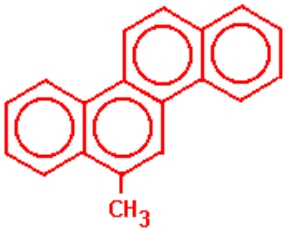
P04CME 5 – Methylchrysene

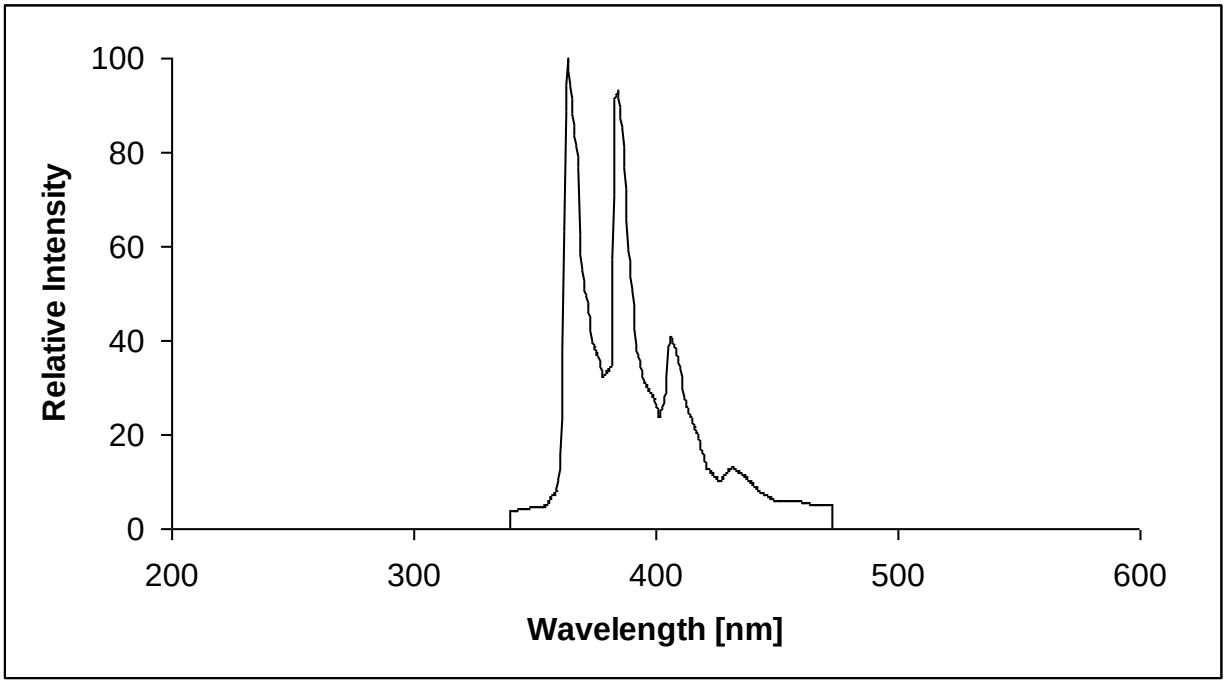




λ exc.	271 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	117.1°C
m.a.c. (266 nm)	7.7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 426-I

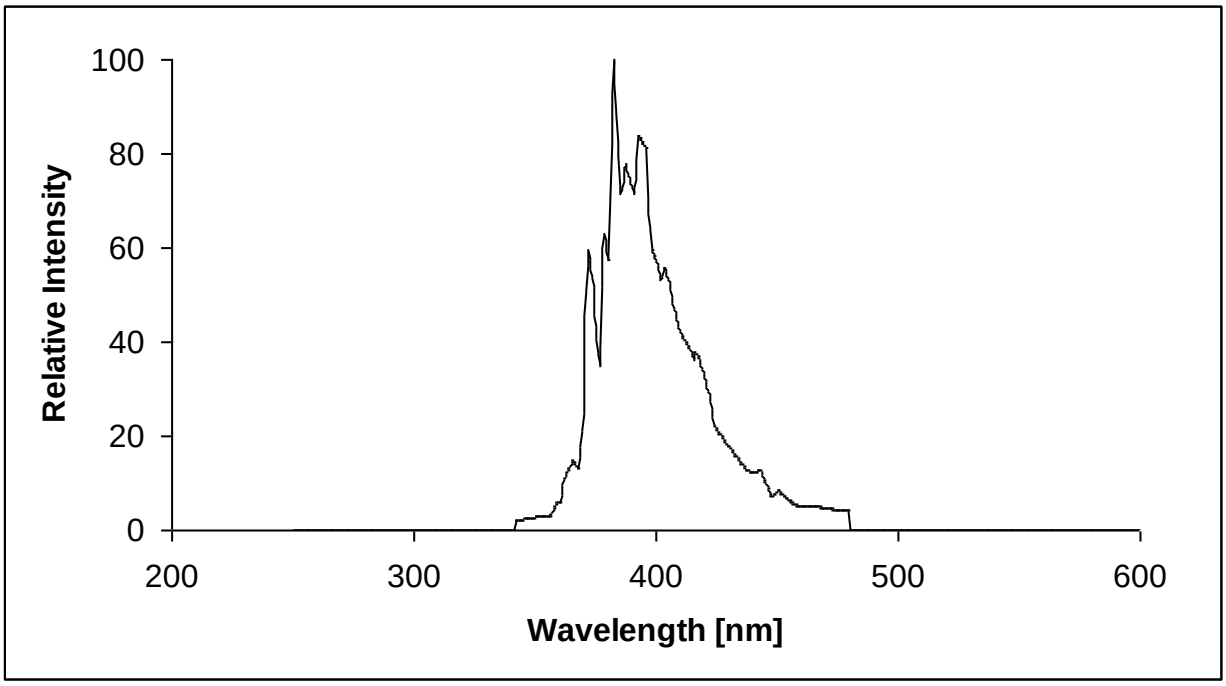
P04CMF 6 – Methylchrysene





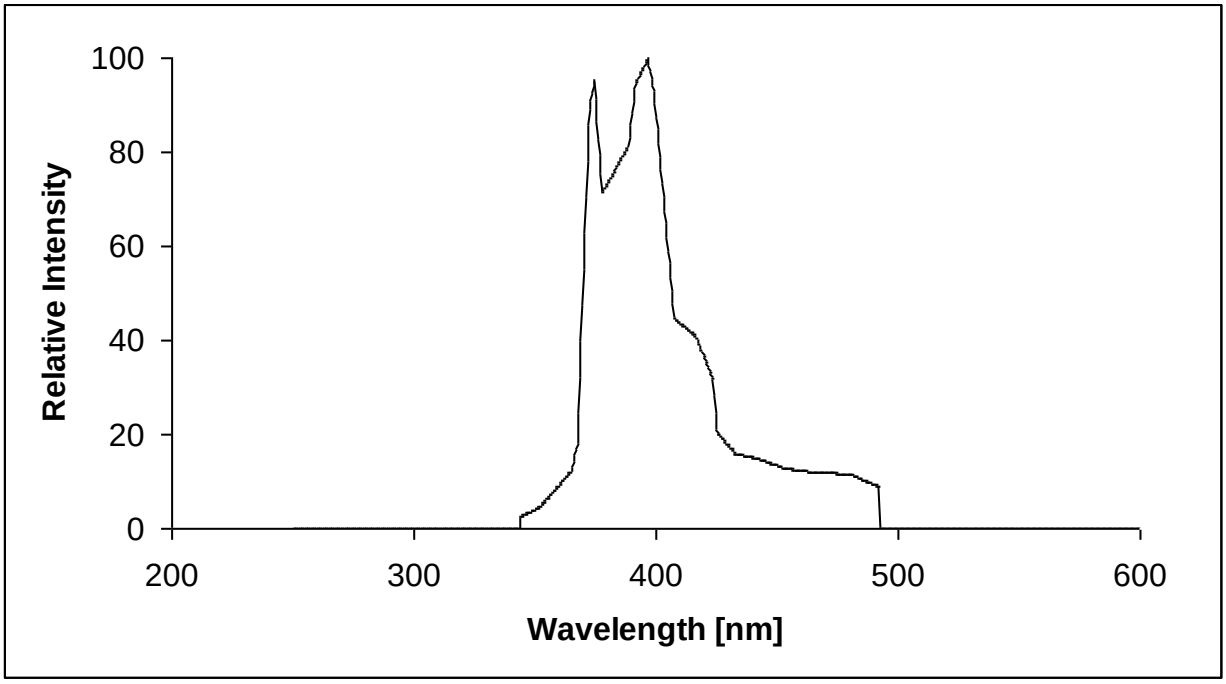
λ exc.	270 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	160-161°C
m.a.c. (266 nm)	6.95 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 444-I

P04P0 Pyrene (1)



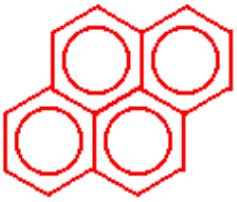
λ exc.	335.5 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	150.4°C
m.a.c. (266 nm)	1.8 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 94-I

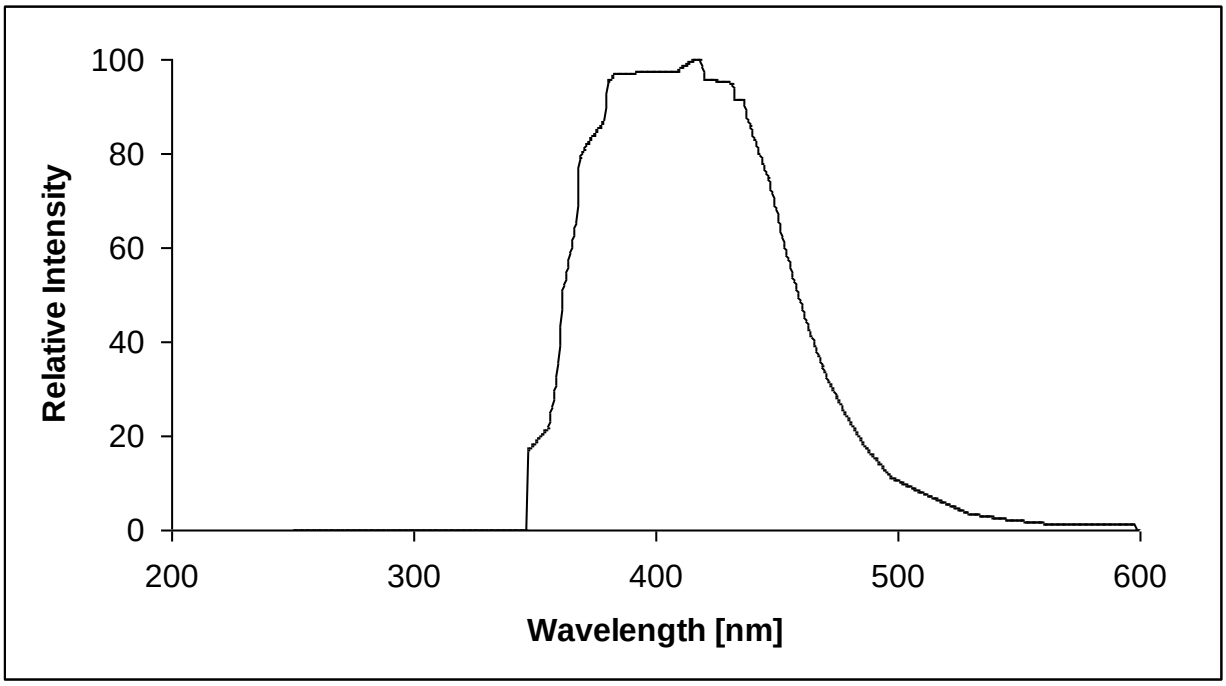
P04P0A Pyrene (2)



λ exc.	220 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	150.4°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Acetonitrile
source	[10]

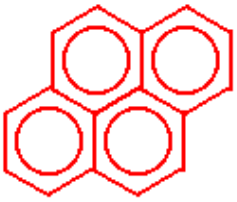
P04P0G1 Pyrene (3)

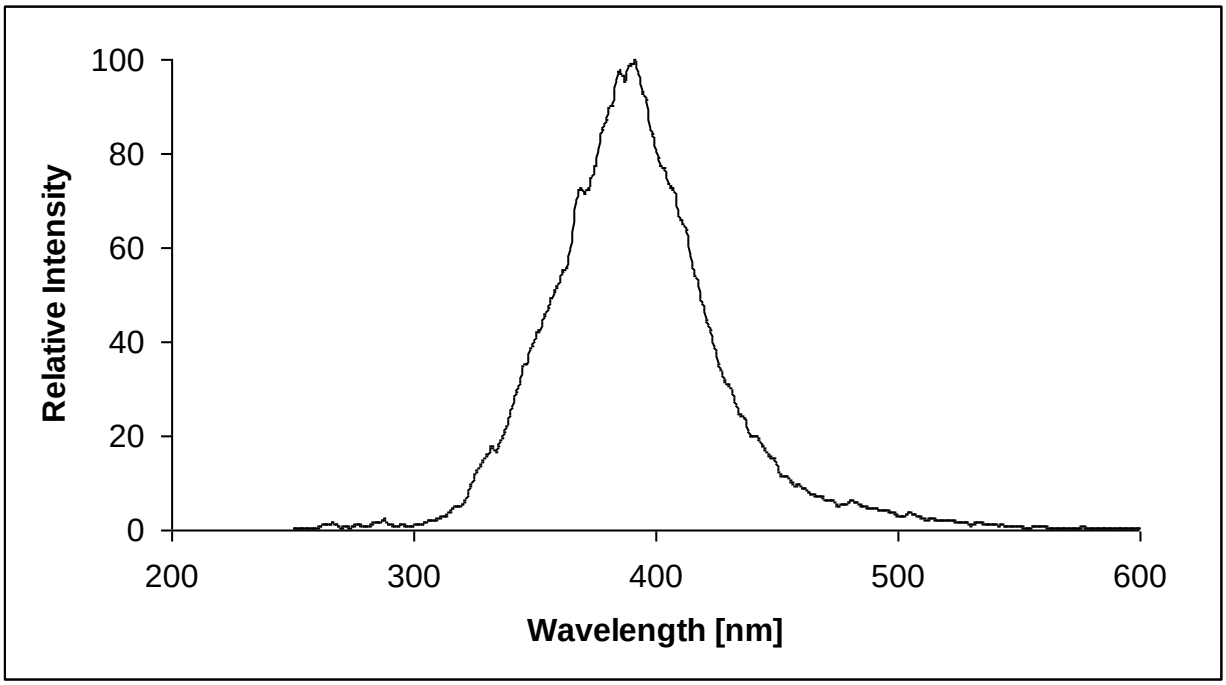




λ exc.	337 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	150.4°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 667 K
source	[1]

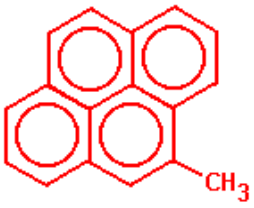
P04P0G2 Pyrene (4)

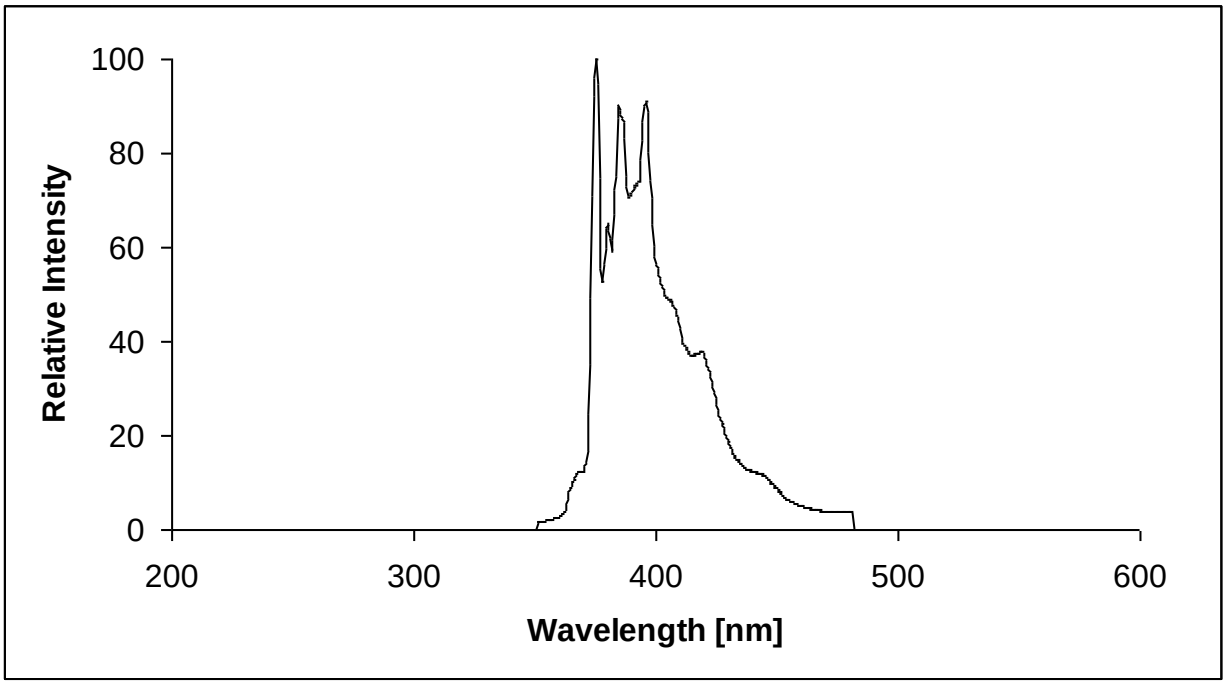




λ exc.	266 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	150.4°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase
source	CNPM

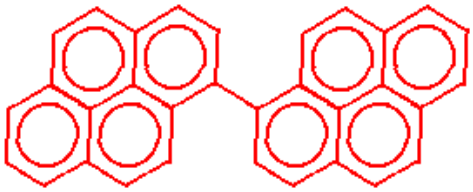
P04PMA 4 – Methylpyrene

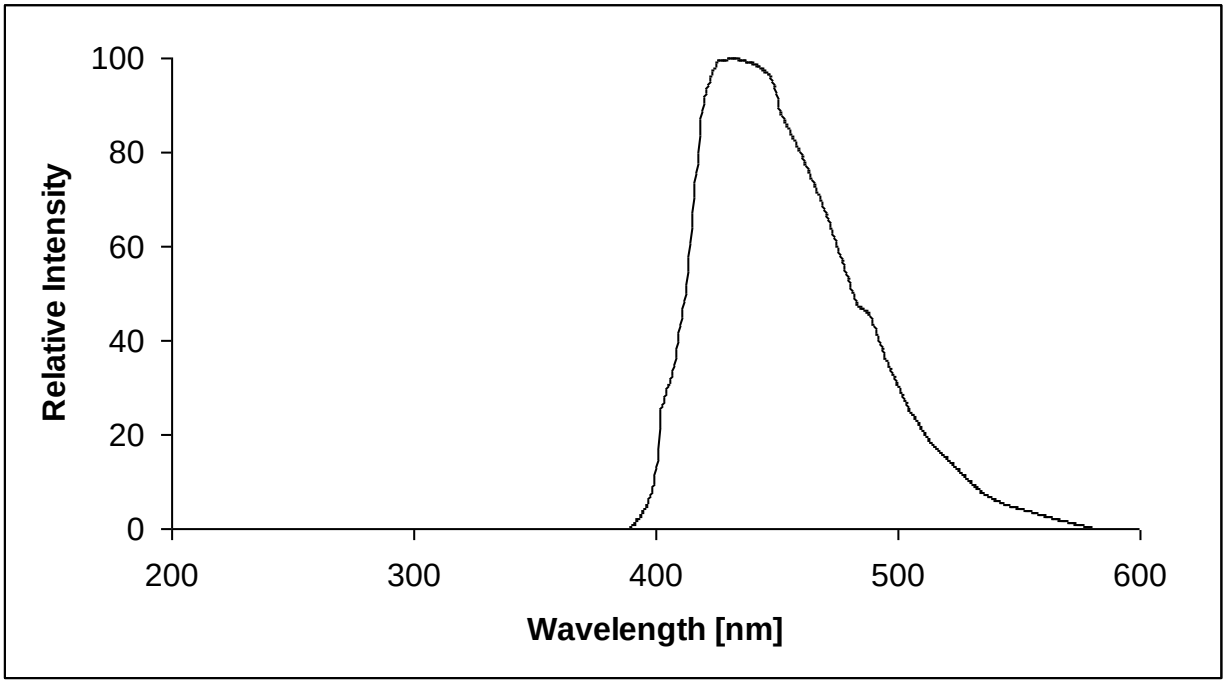




λ exc.	337.5 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	146°C
m.a.c. (266 nm)	1.25 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 914-III

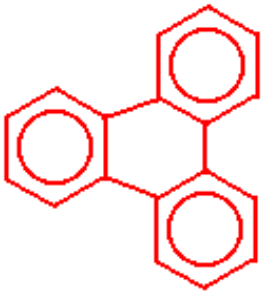
P04PP Bipyrenyl

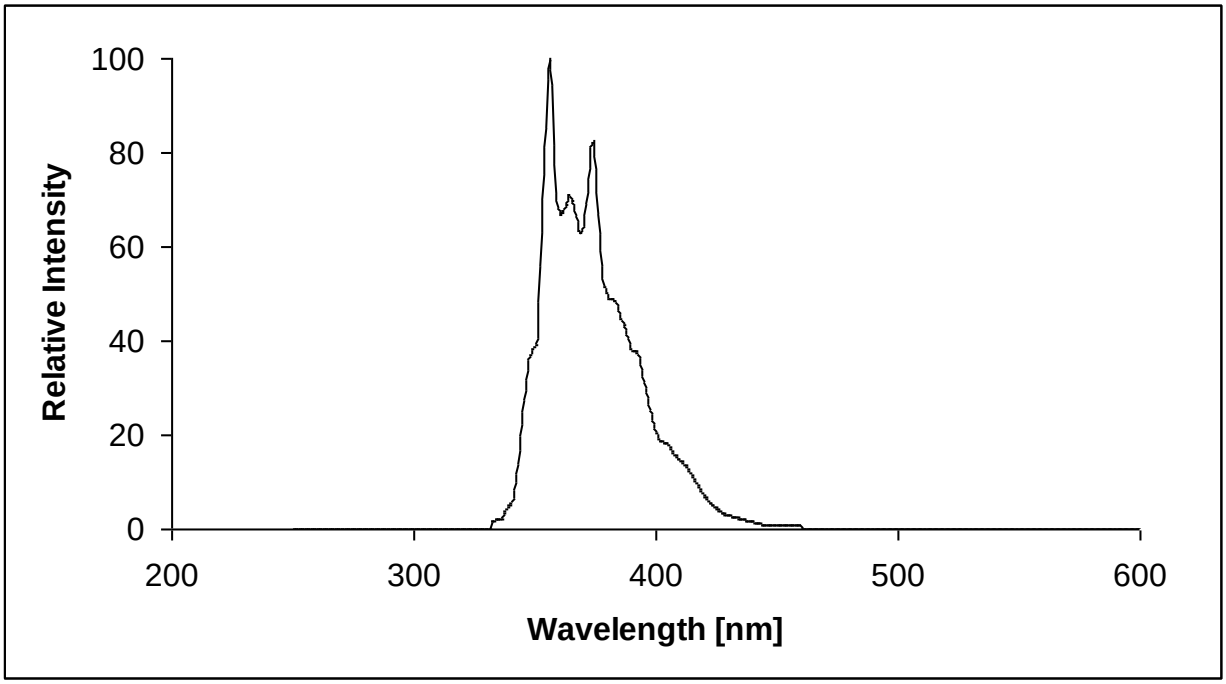




λ exc.	365 nm
Formula	$C_{32}H_{18}$
M.W.	402 u
H/H+C	0.360
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

P04R Triphenylene

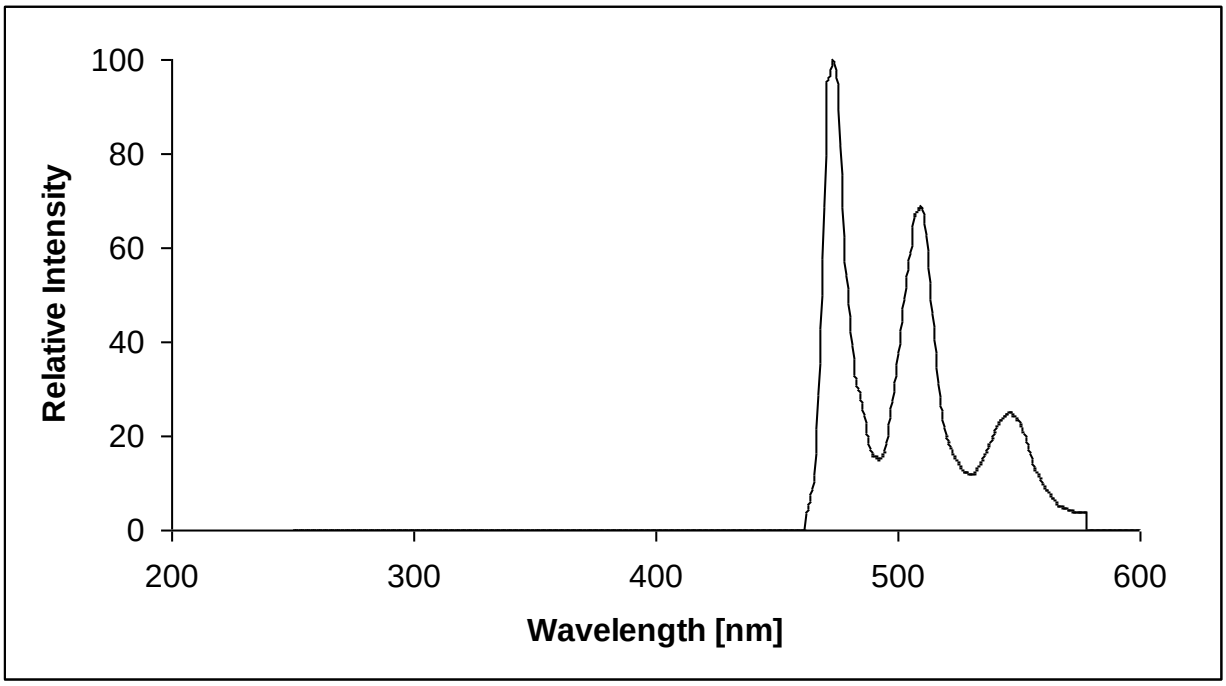




λ exc.	258 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	199°C
m.a.c. (266 nm)	1.95 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 212-II

P04T1 Tetracene(1)

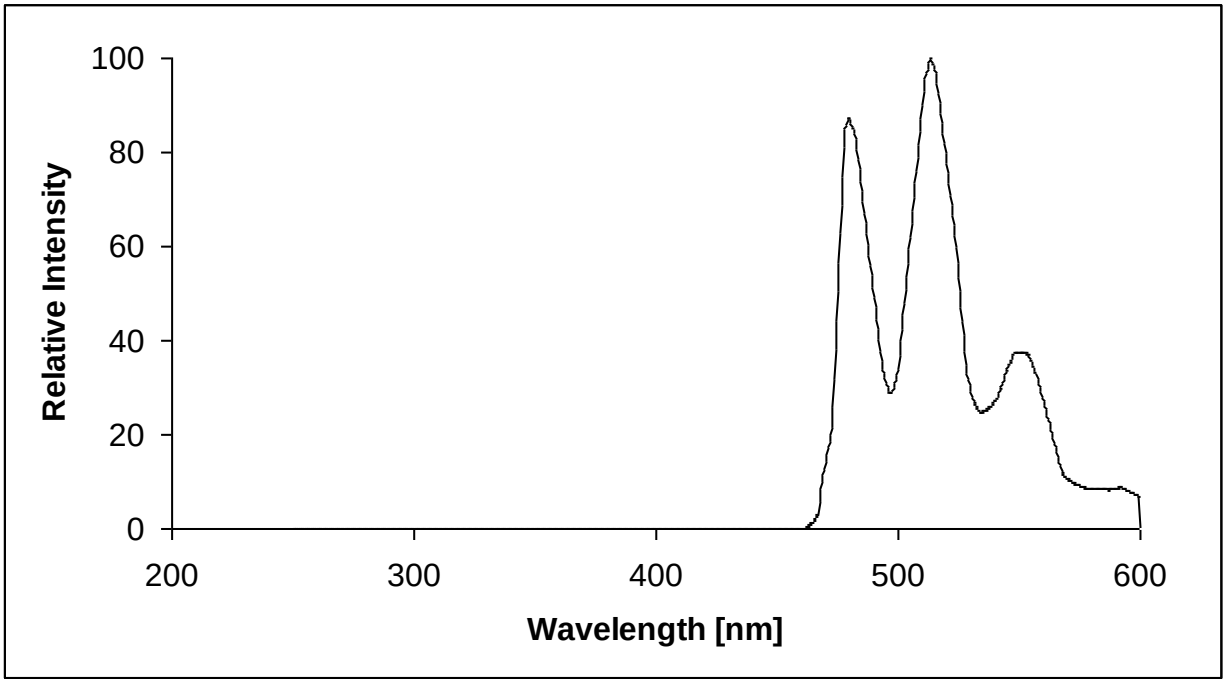
Naphthacene



λ exc.	294 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	357°C
m.a.c. (266 nm)	7.22 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 230-II

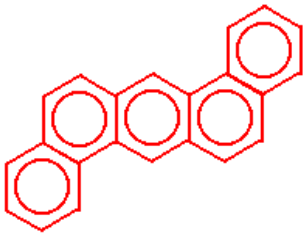
P04T2 Tetracene(2)

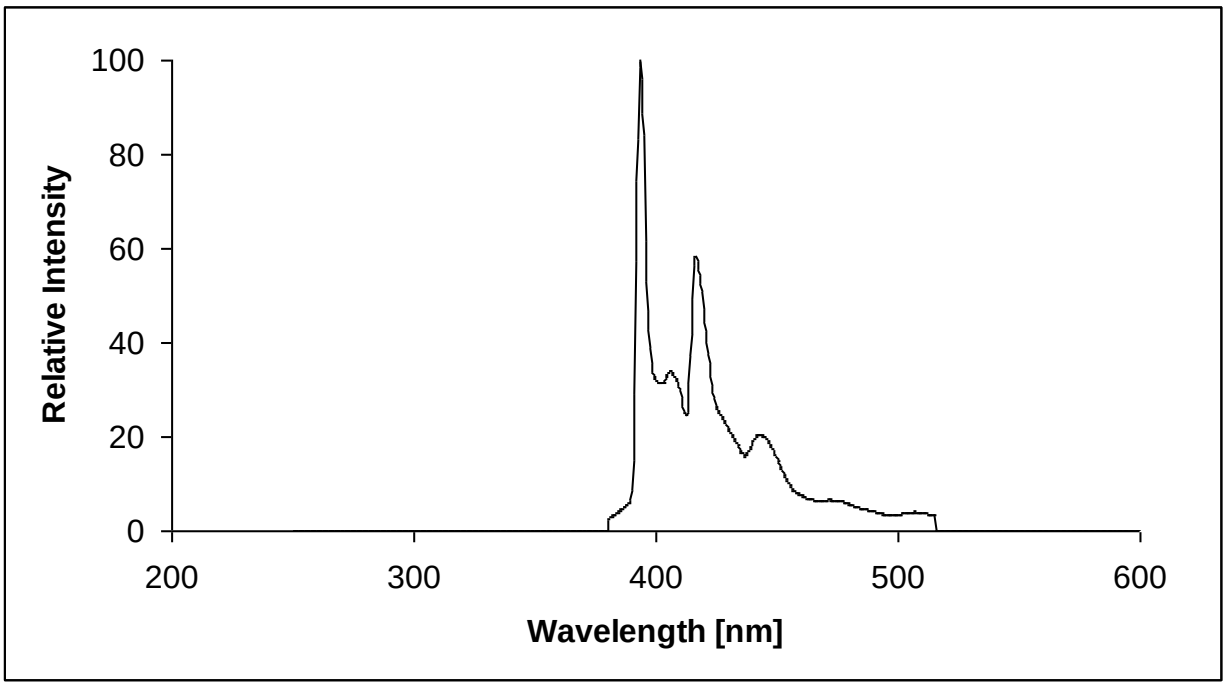
Naphthacene



λ exc.	303 nm
Formula	$C_{18}H_{12}$
M.W.	228 u
H/H+C	0.400
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Benzene
source	Berlman

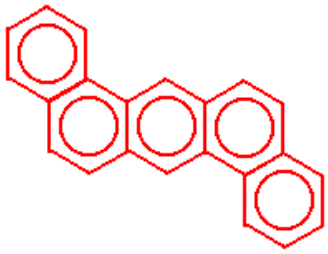
P05B1 Dibenz(a,h)anthracene (1)

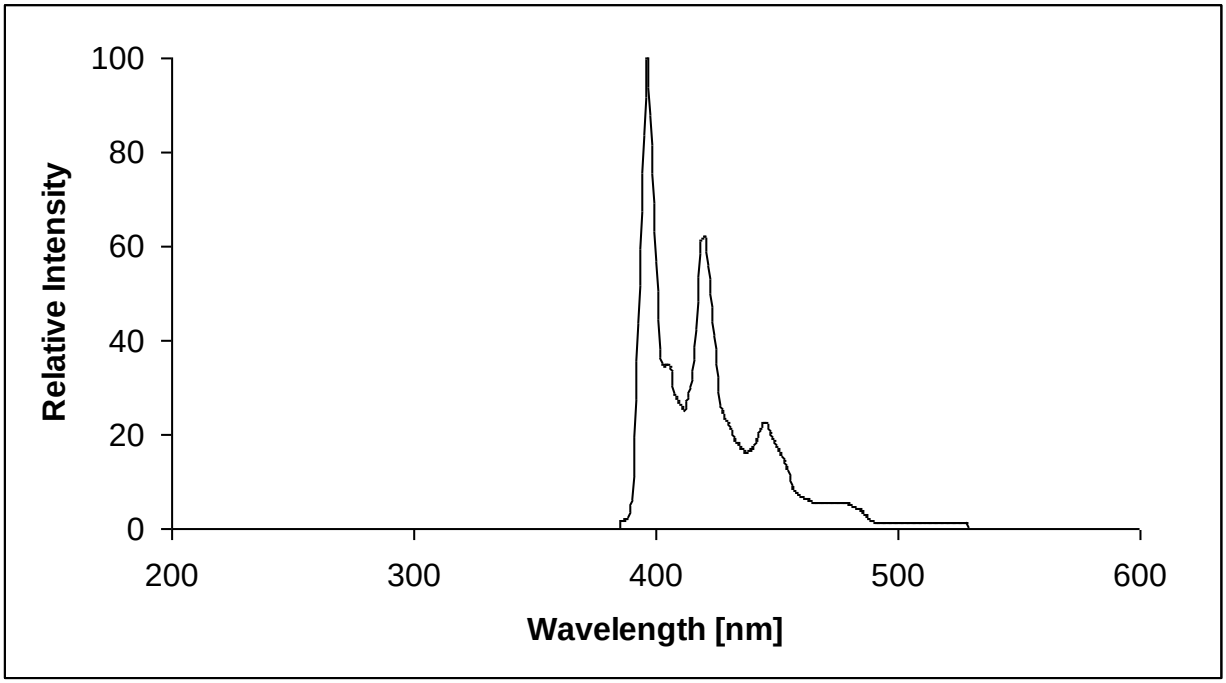




λ exc.	298 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	266.6°C
m.a.c. (266 nm)	1.85 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 726-I

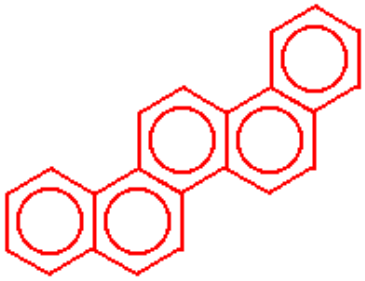
P05B2 Dibenz(a,h)anthracene (2)

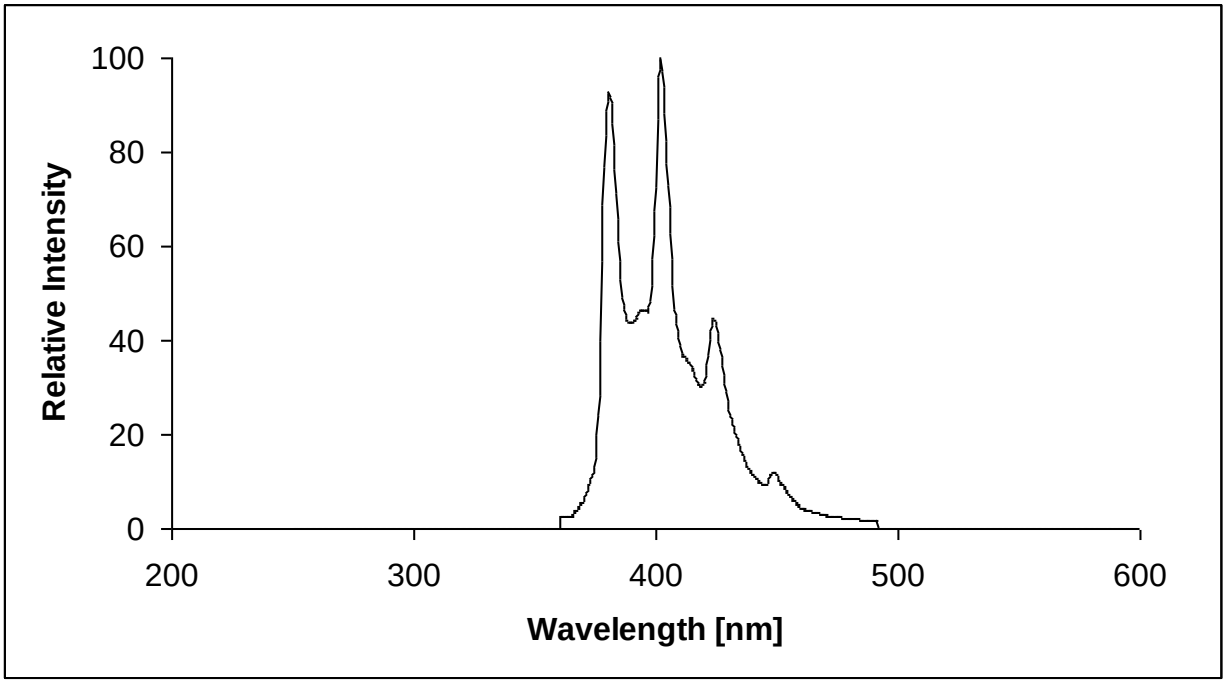




λ exc.	303 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Benzene
source	Berlman

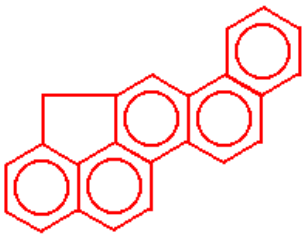
P05C Picene

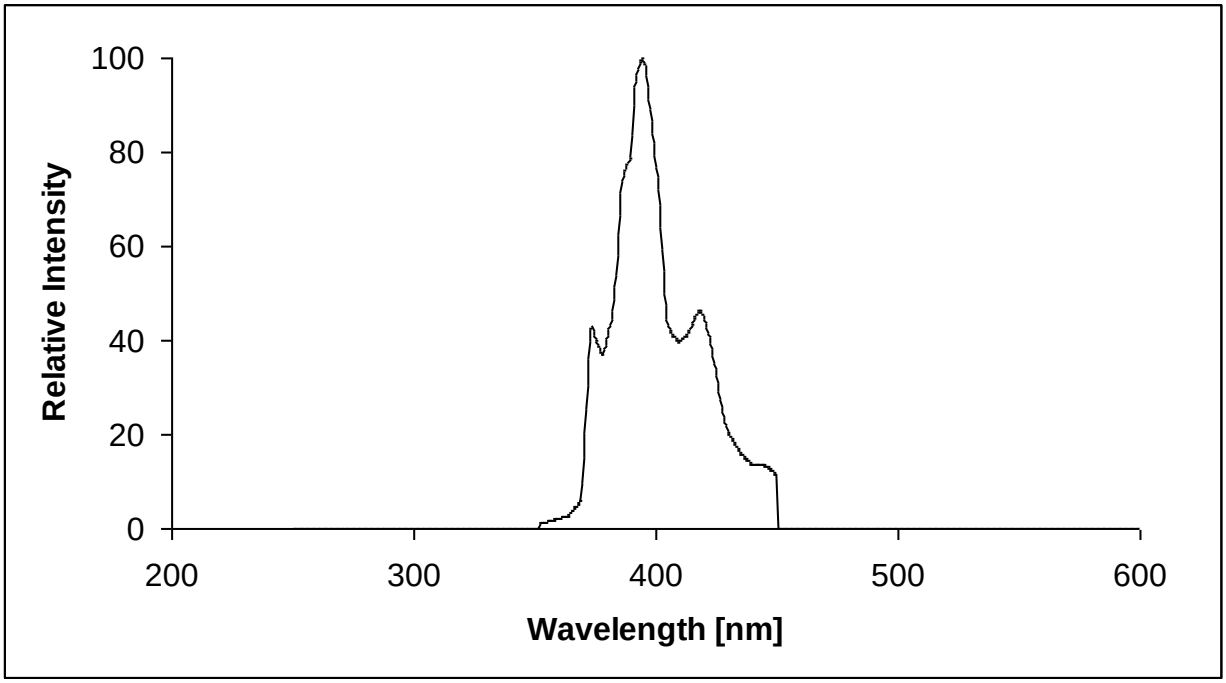




λ exc.	284 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	364°C
m.a.c. (266 nm)	4.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 604-II

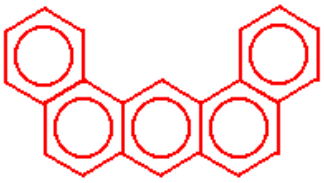
P05CC 4H – Cyclopenta(pqr)picene

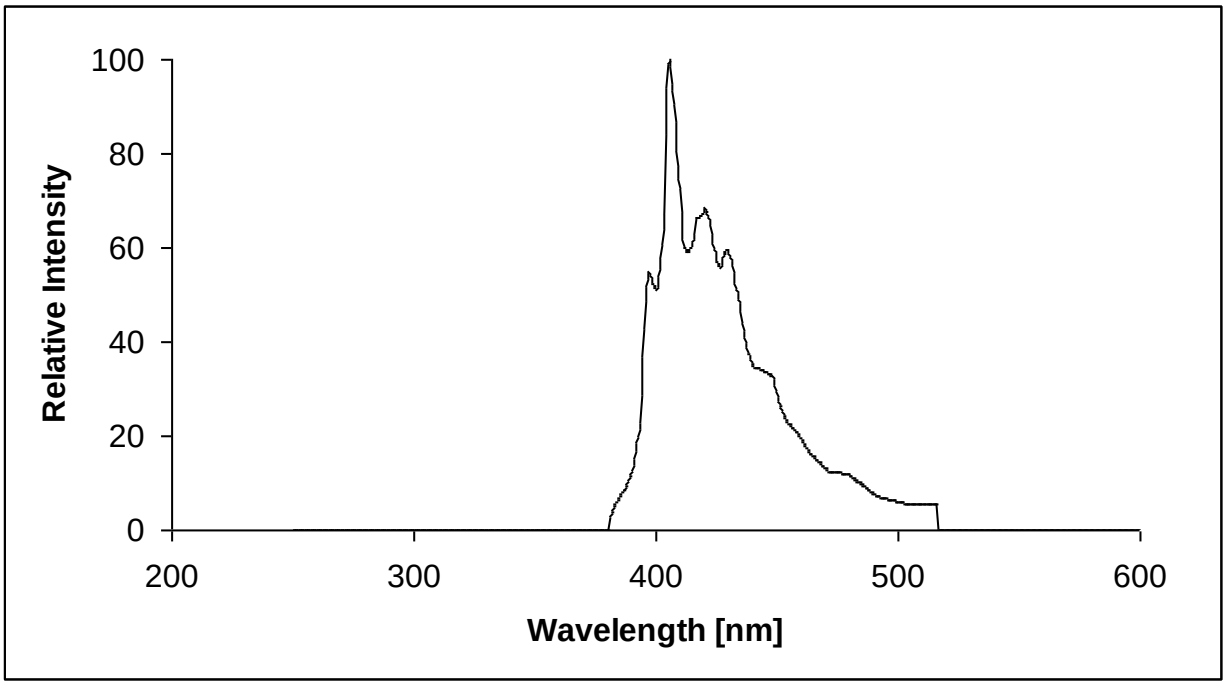




λ exc.	330 nm
Formula	$C_{23}H_{14}$
M.W.	290 u
H/H+C	0.378
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[9]

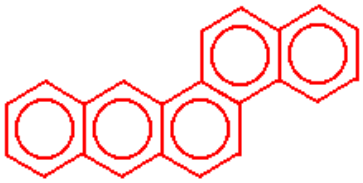
P05D Dibenz(a,j)anthracene

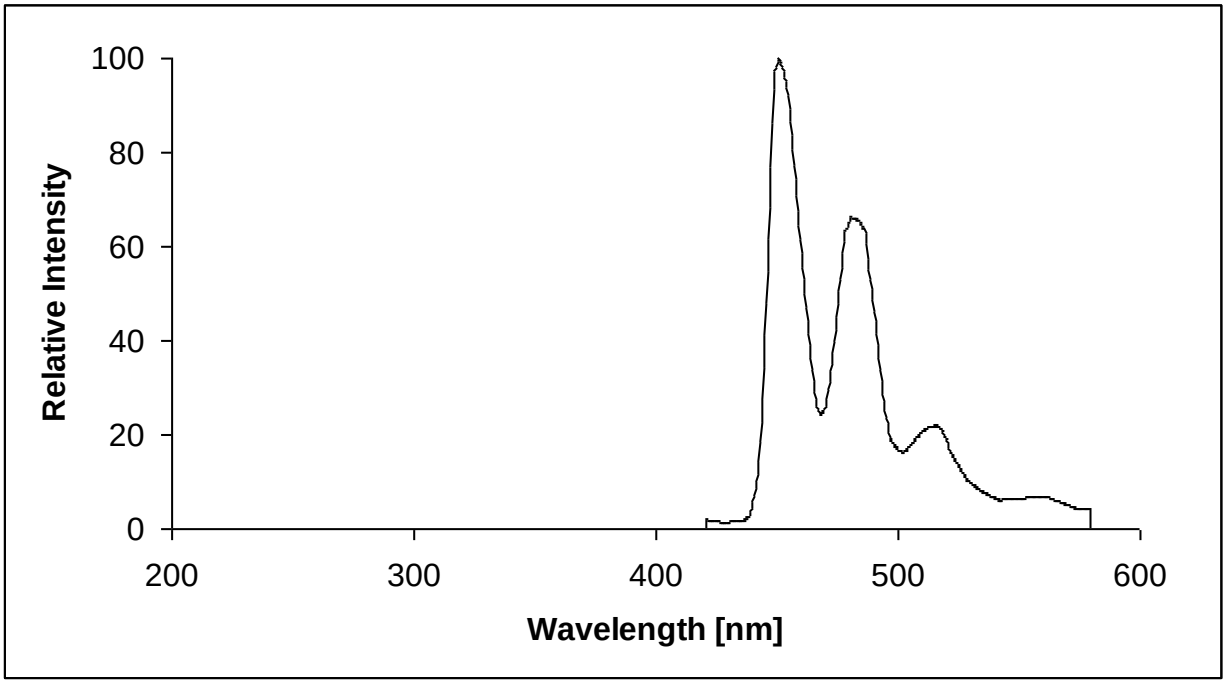




λ exc.	298 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	197.3°C
m.a.c. (266 nm)	1.9 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 744-I

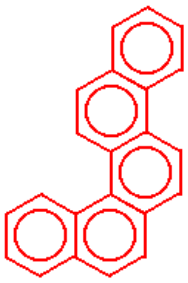
P05E Benzo(b)chrysene

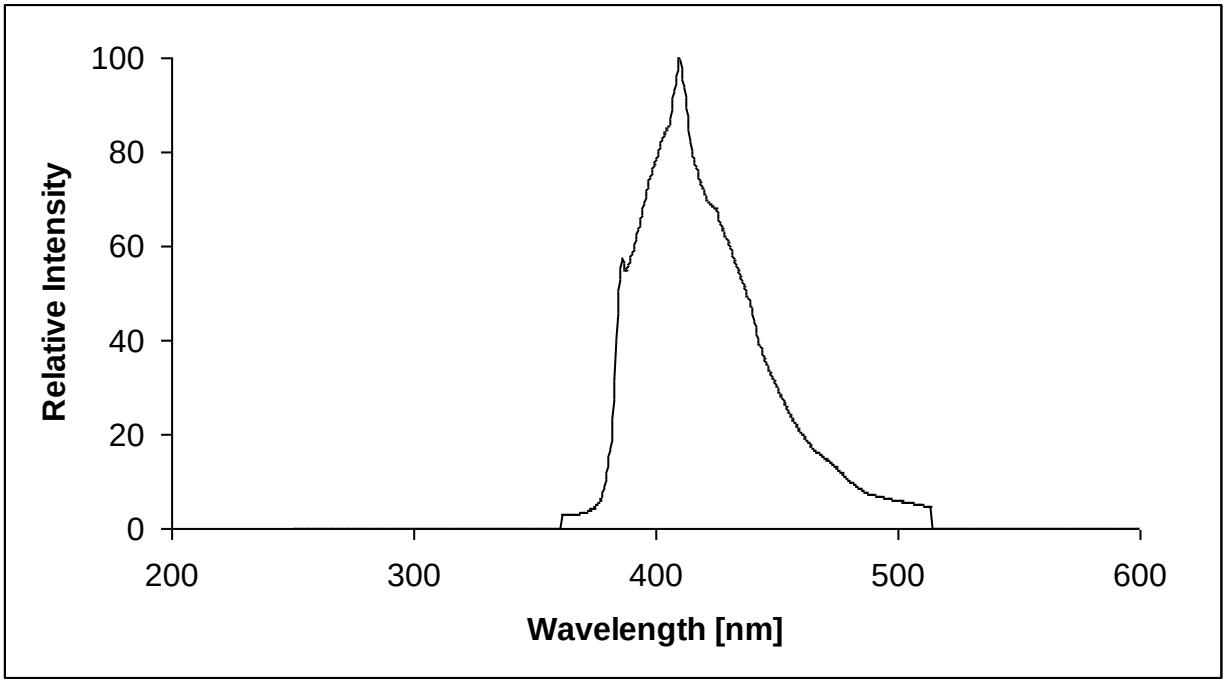




λ exc.	287 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	299.7°C
m.a.c. (266 nm)	3.25 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 670-I

P05F Benzo(c)chrysene

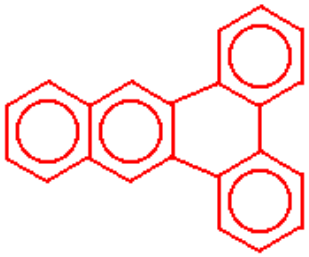


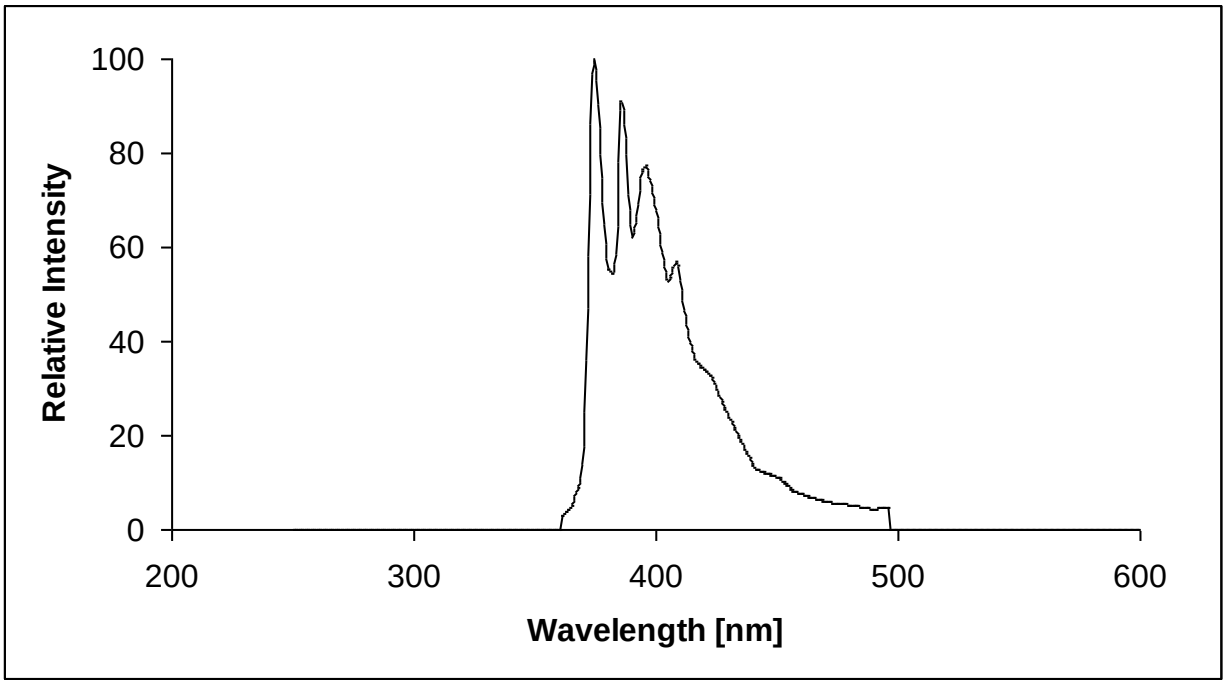


λ exc.	293 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	126.1°C
m.a.c. (266 nm)	1.54 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 686-I

P05G Benzo(b)triphenylene

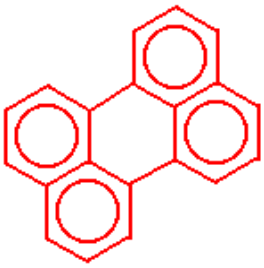
Dibenz(ac)anthracene

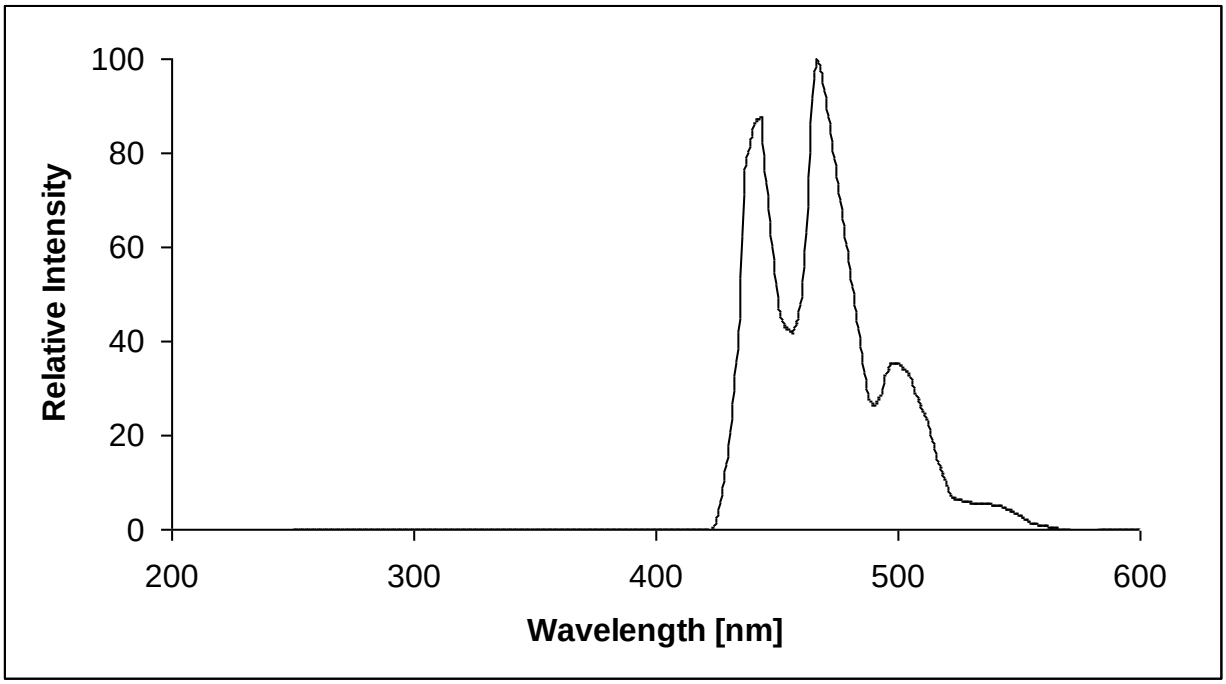




λ exc.	287 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	205.6°C
m.a.c. (266 nm)	5.26 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 708-I

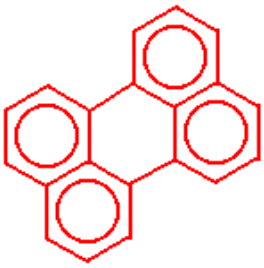
P05P01 Perylene (1)

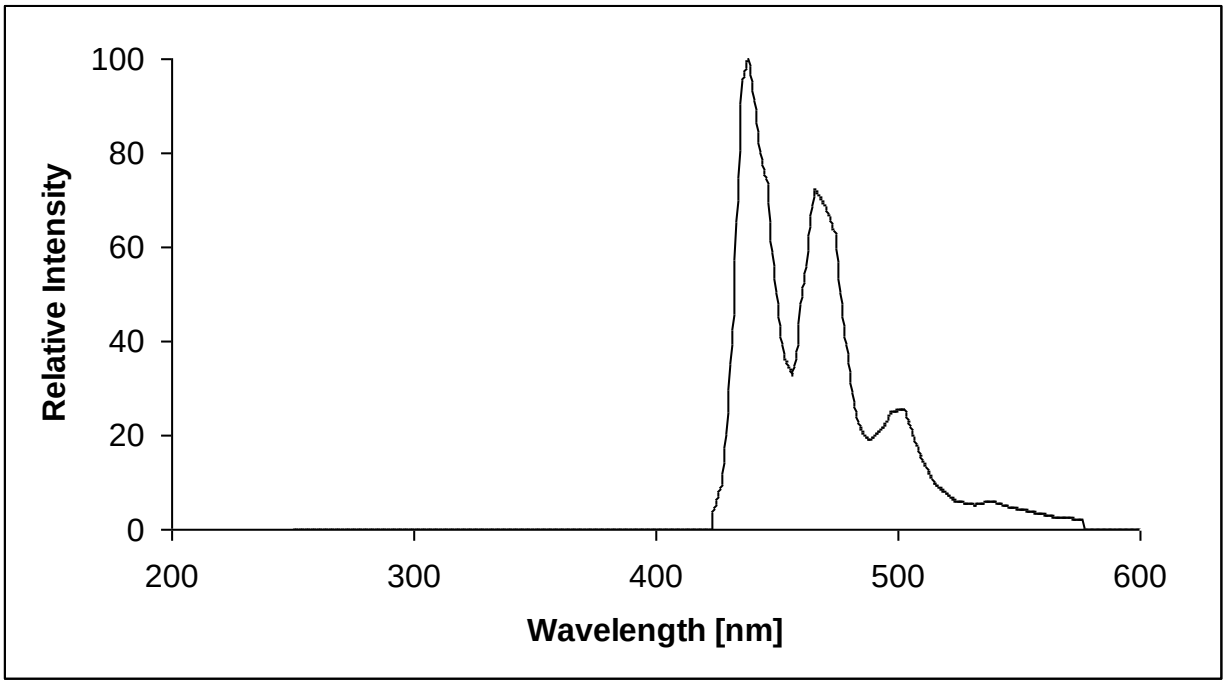




λ exc.	313 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

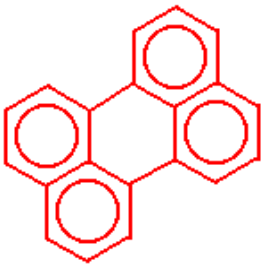
P05P02 Perylene (2)

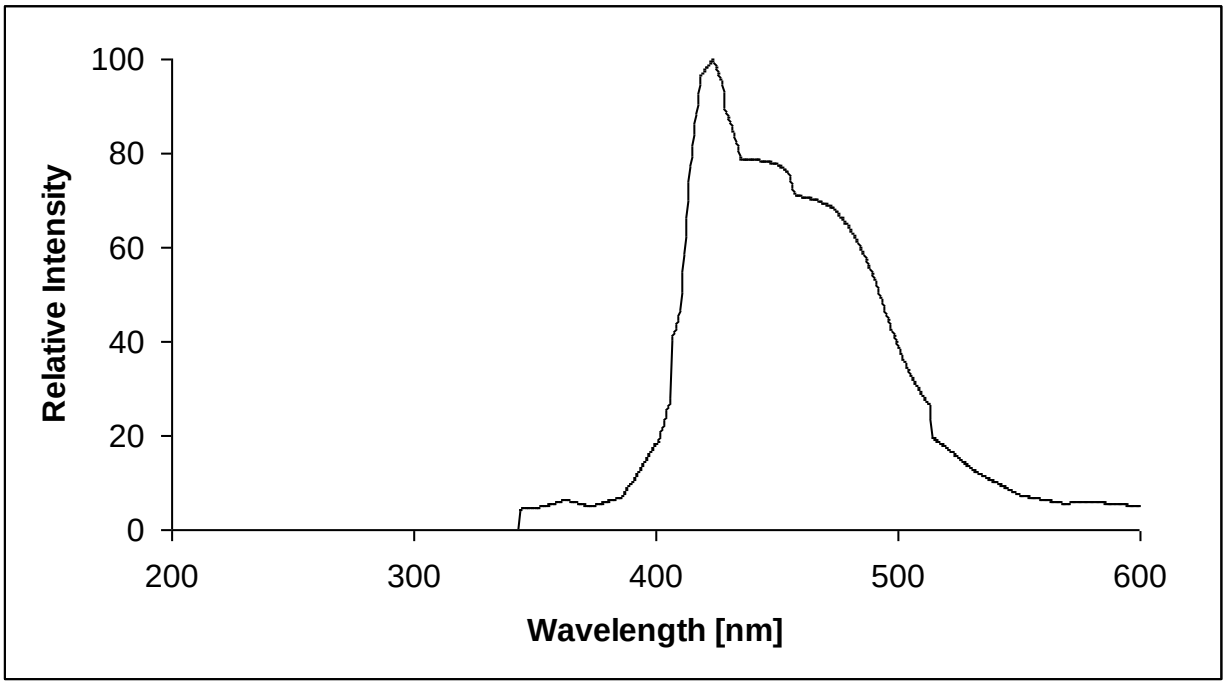




λ exc.	408 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	277.5°C
m.a.c. (266 nm)	0.9 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 448-II

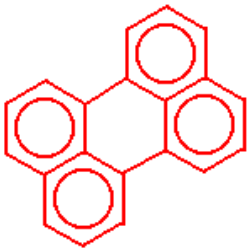
P05P0G1 Perylene (3)

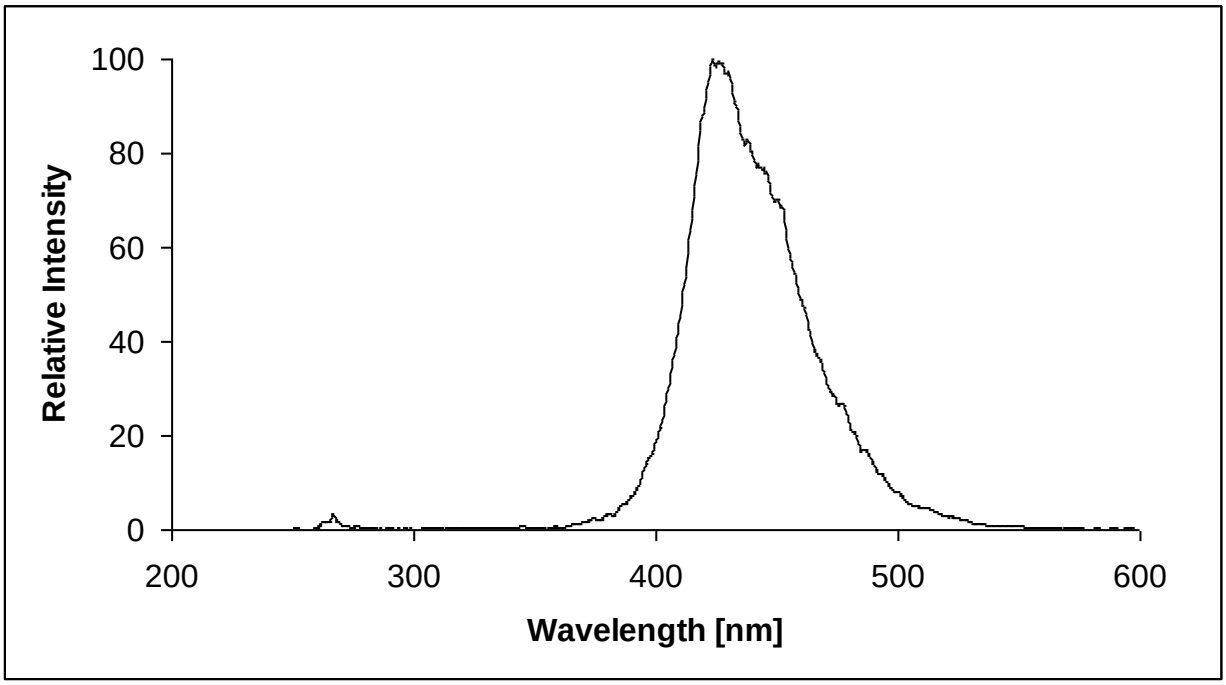




λ exc.	337 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	277.5°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 770 K
source	[1]

P05P0G2 Perylene (4)

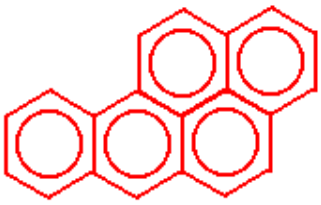


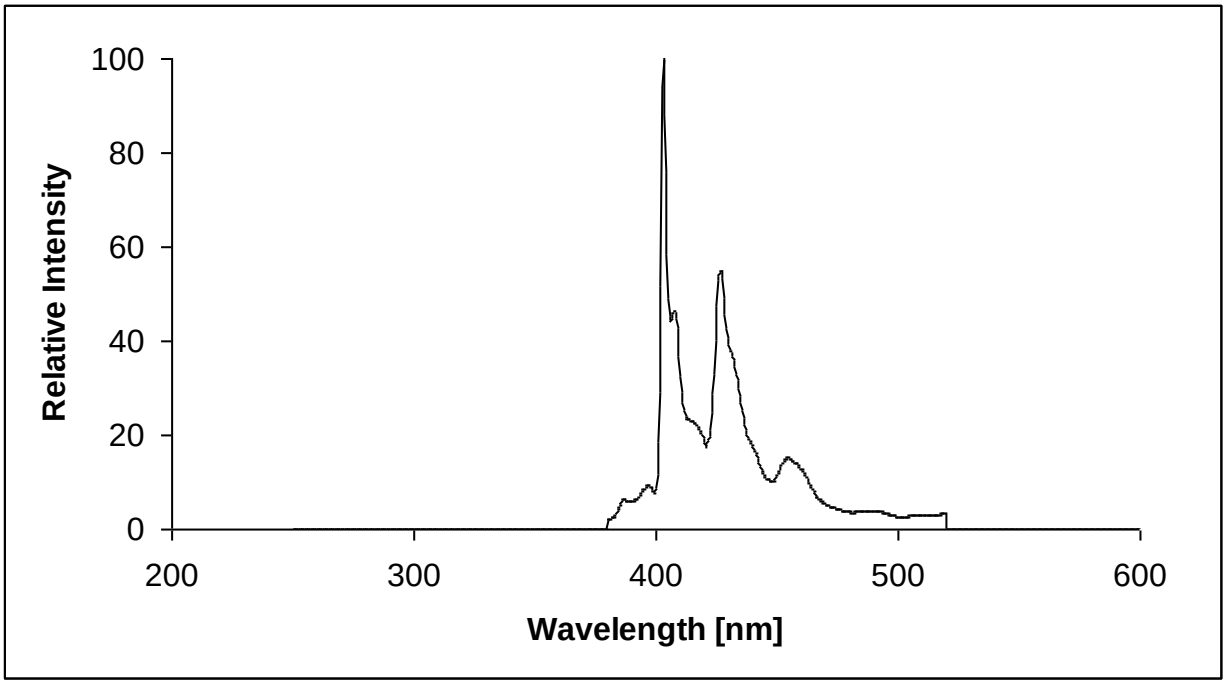


λ exc.	266 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	277.5°C
m.a.c. (266 nm)	0.9 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 400 K
source	CNPM

P05R Benzo(A)pyrene (1)

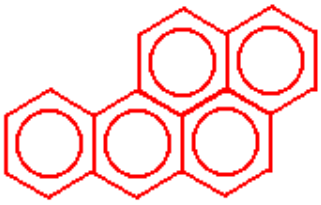
Benzo(d, e, f)chrysene (1)

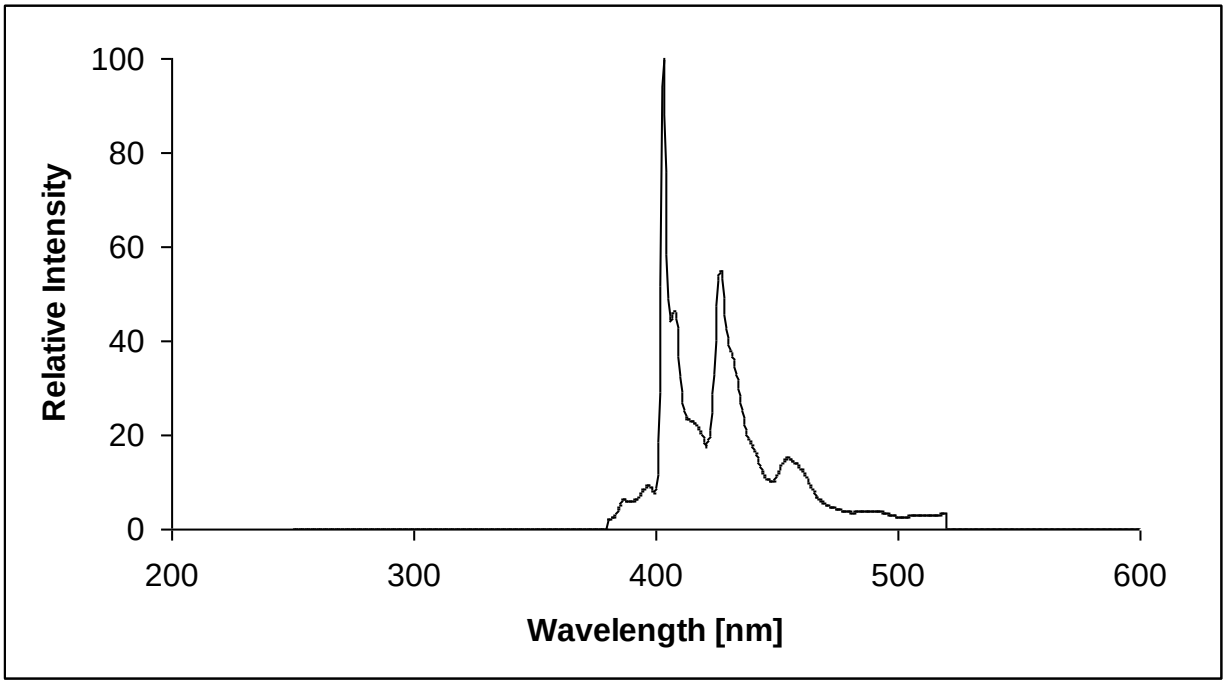




λ exc.	365 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	178.1°C
m.a.c. (266 nm)	4.91 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 536-I

P05R Benzo(def)chrysene (1)

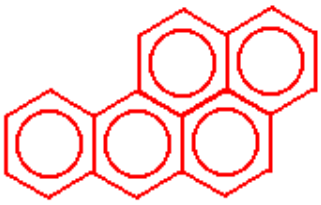


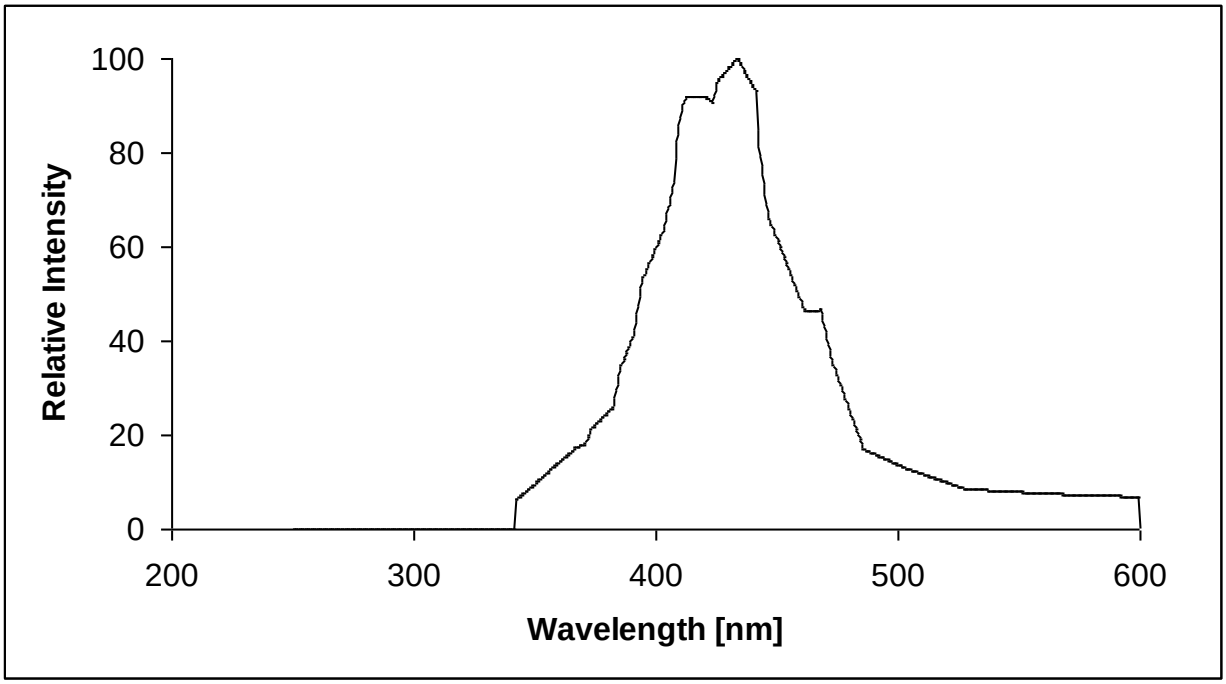


λ exc.	365 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	178.1°C
m.a.c. (266 nm)	4.91 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 536-I

P05RG Benzo(a)pyrene (2)

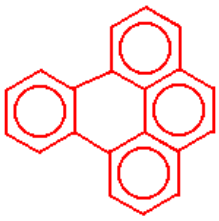
Benzo(def)chrysene (2)

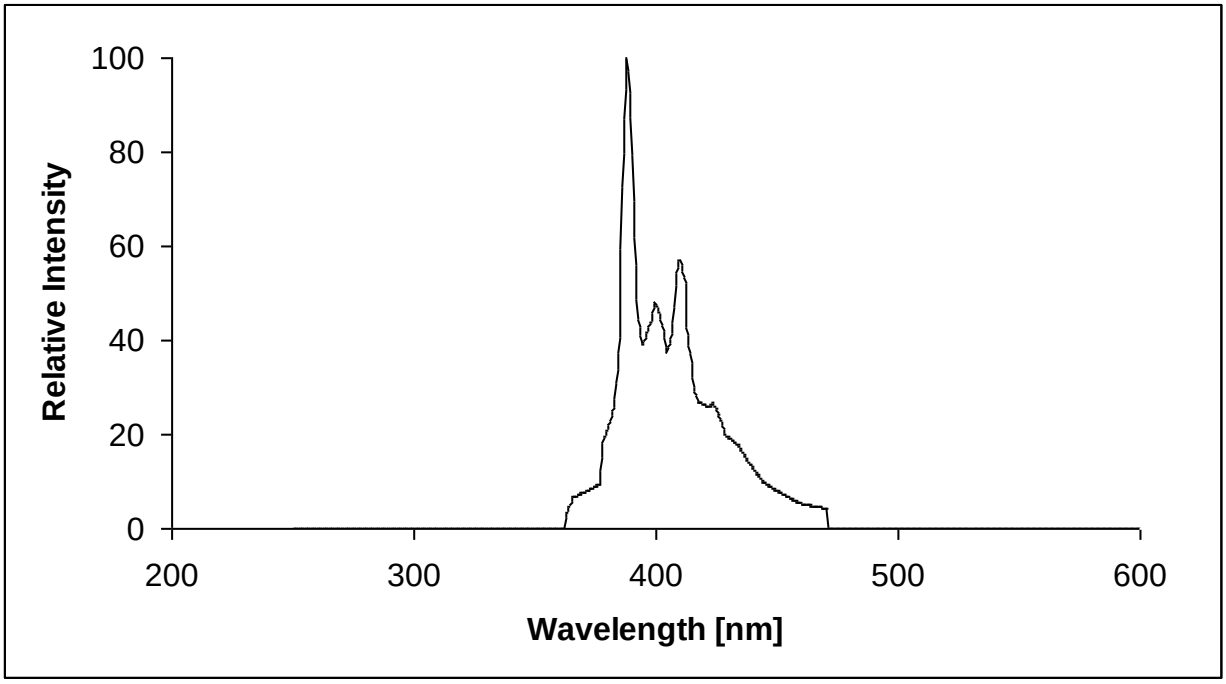




λ exc.	337 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	178.7°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 769 K
source	[1]

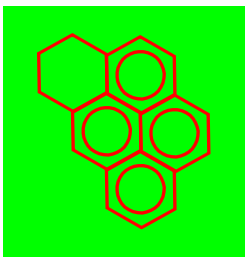
P05S Benzo(e)pyrene

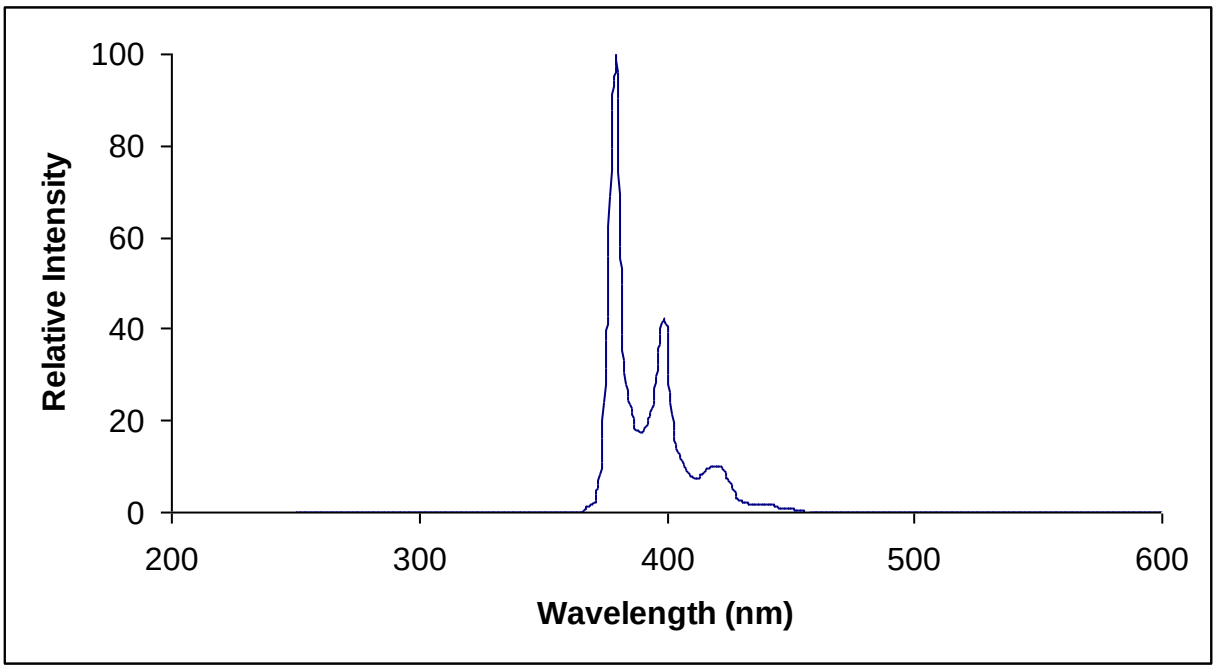




λ exc.	290 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	178.7°C
m.a.c. (266 nm)	2.85 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 556-I

P05T 3,4,5-Trihydrobenzo[cd]pyrene

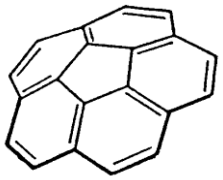


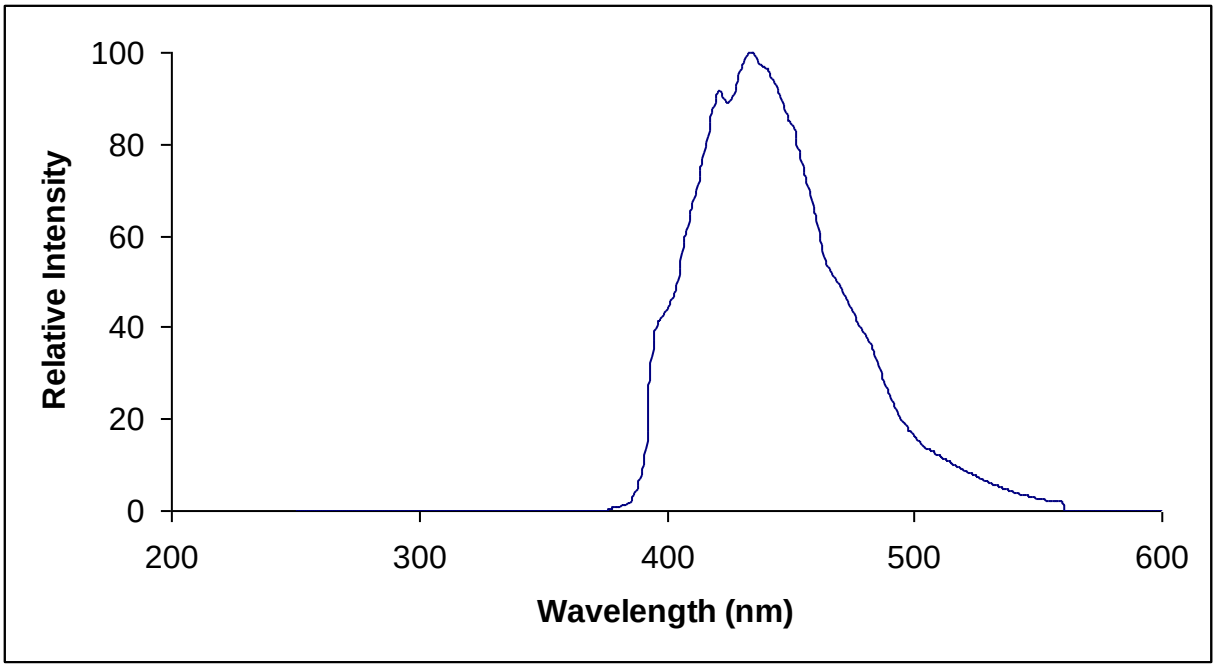


λ exc.	340 nm
Formula	$C_{19}H_{14}$
M.W.	242 u
H/H+C	0.424
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[14]

P05V Corannulene

Dibenzo[ghi,mno]fluoranthene

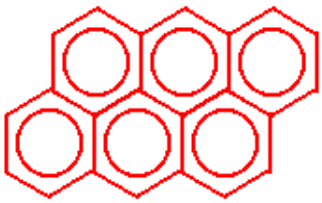


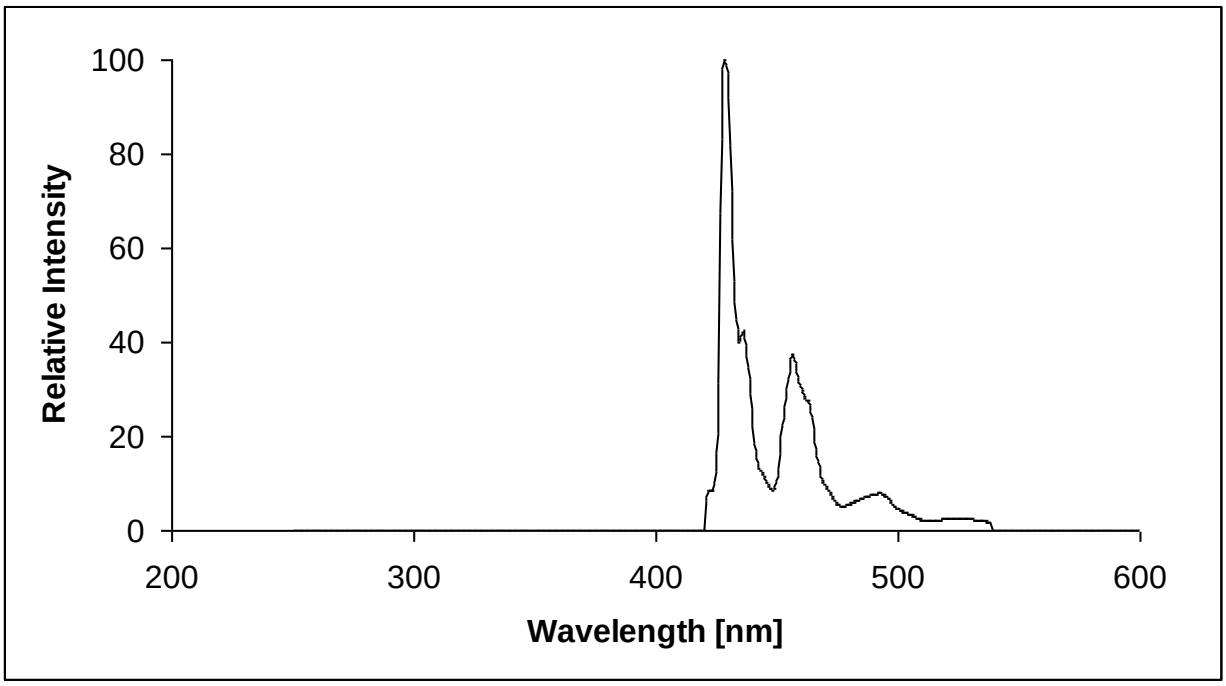


λ exc.	290 nm
Formula	$C_{20}H_{10}$
M.W.	250 u
H/H+C	0.333
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[13]

P06A1 Anthanthrene (1)

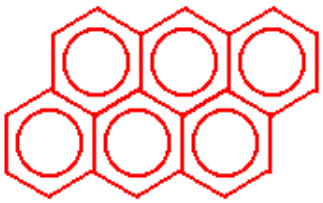
Dibenzo(de,mno)chrysene

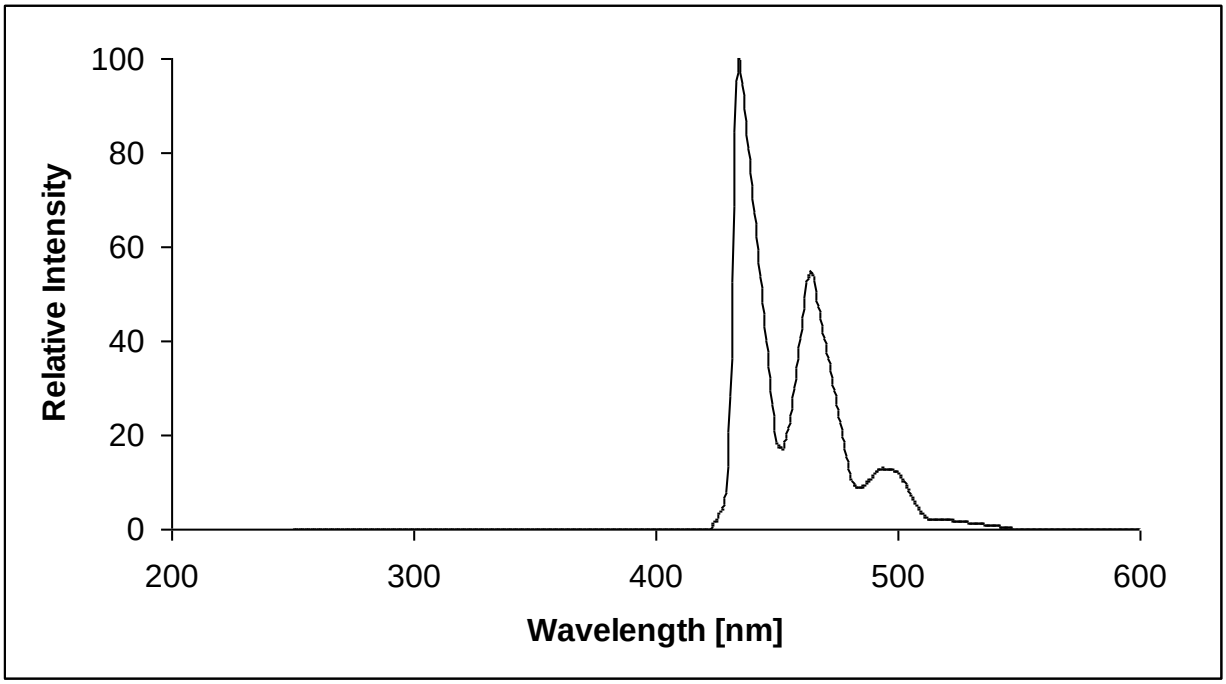




λ exc.	307 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	264°C
m.a.c. (266 nm)	0.31 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 612-I

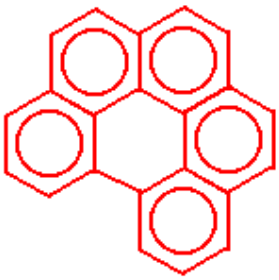
P06A2 Anthanthrene (2)

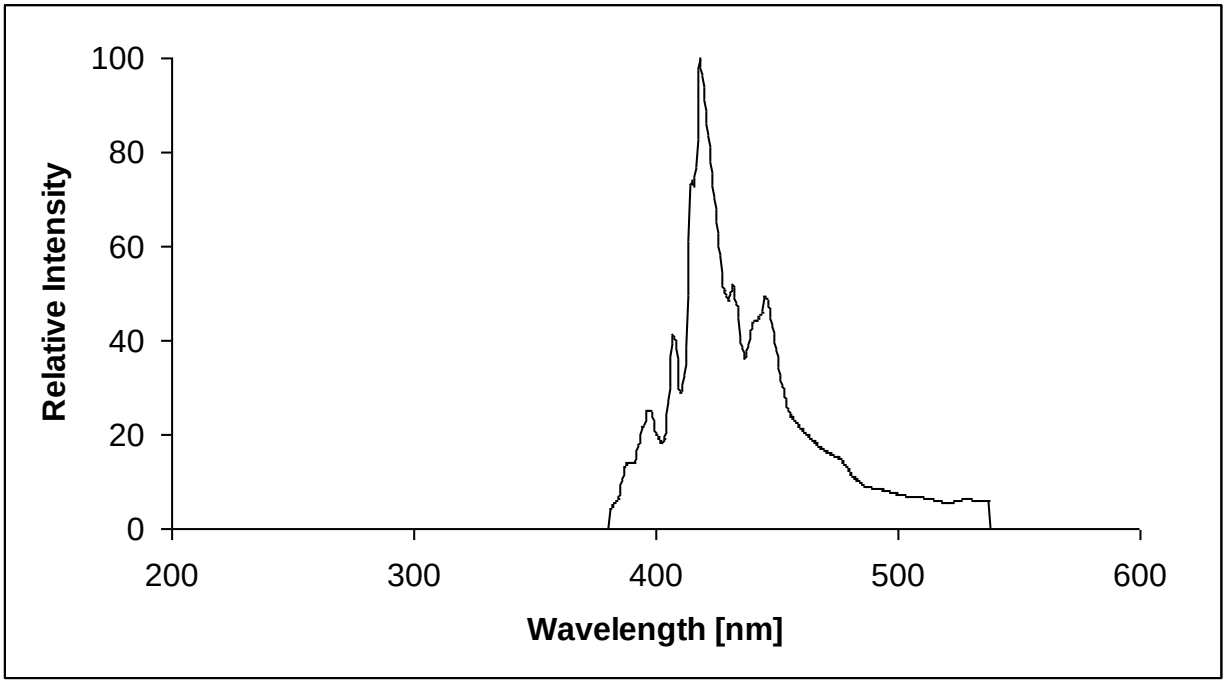




λ exc.	435 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Benzene
source	Berlman

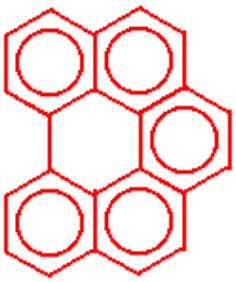
P06B1 Benzo(ghi)perylene (1)

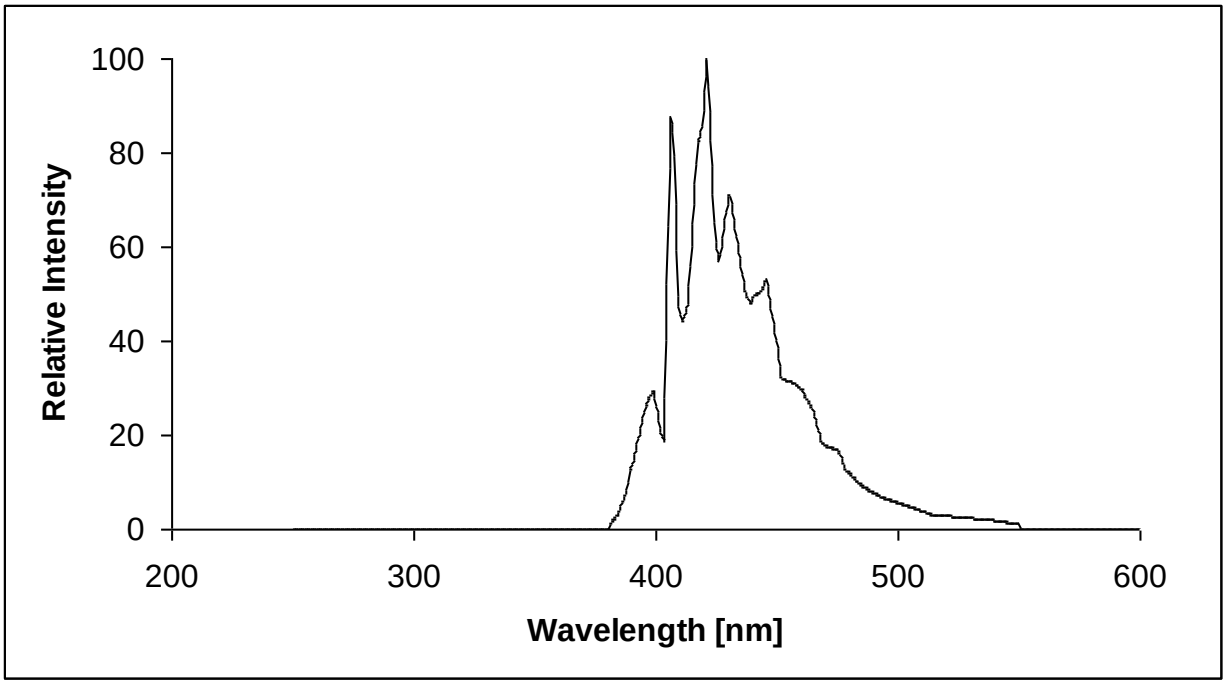




λ exc.	300 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	278.3°C
m.a.c. (266 nm)	2.15 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 630-I

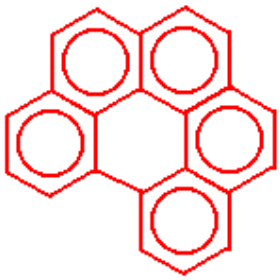
P06B2 Benzo(ghi)perylene (2)

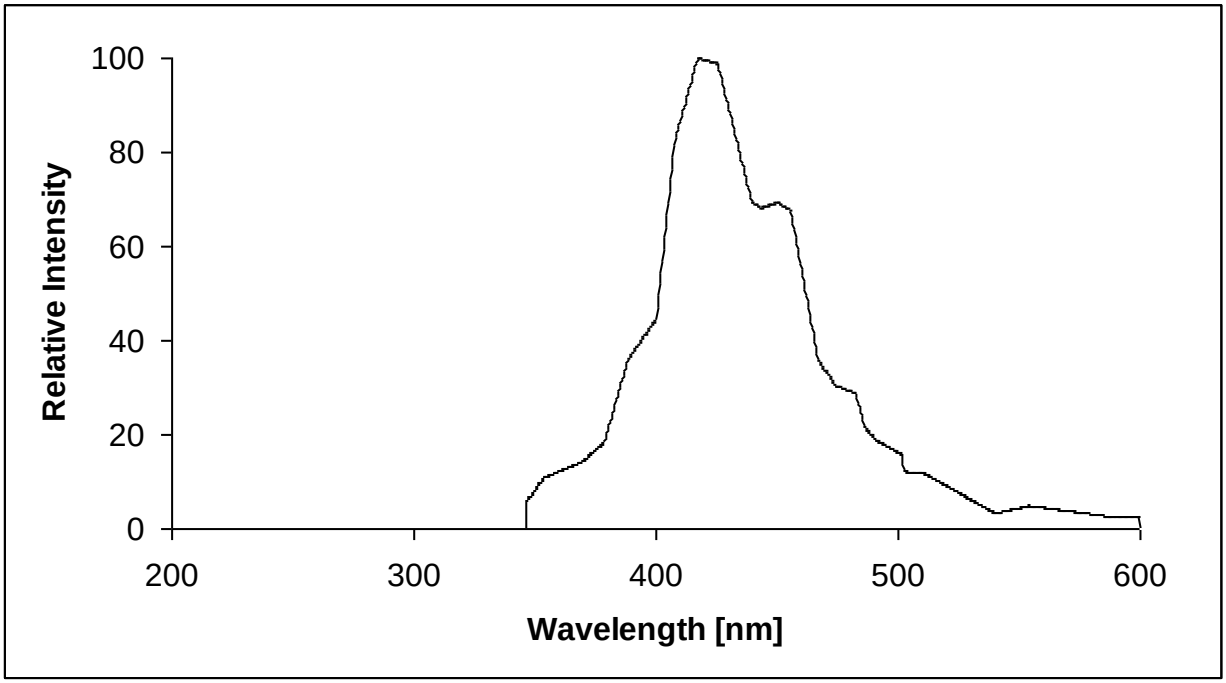




λ exc.	365 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Benzene
source	Berlman

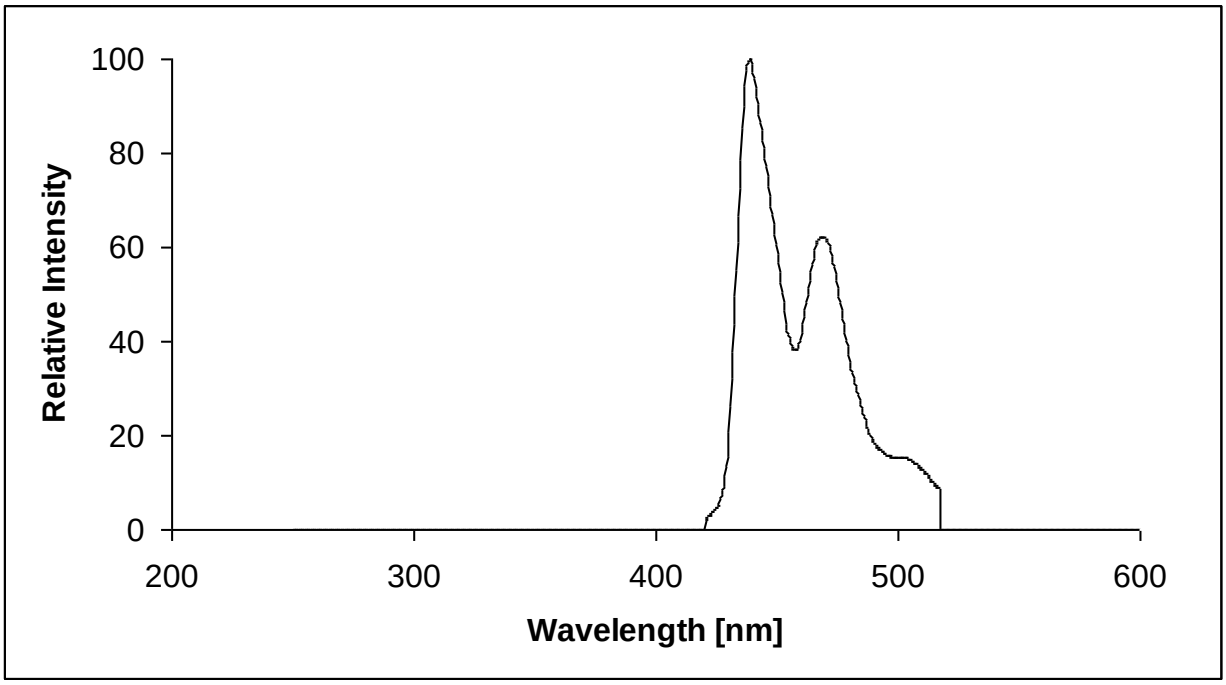
P06BG Benzo(ghi)perylene (3)





λ exc.	337 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	278.3°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 815 K
source	[1]

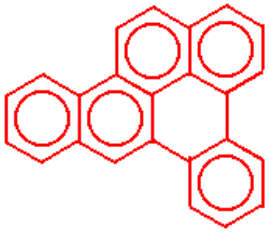
P06C Benzo(b)perylene

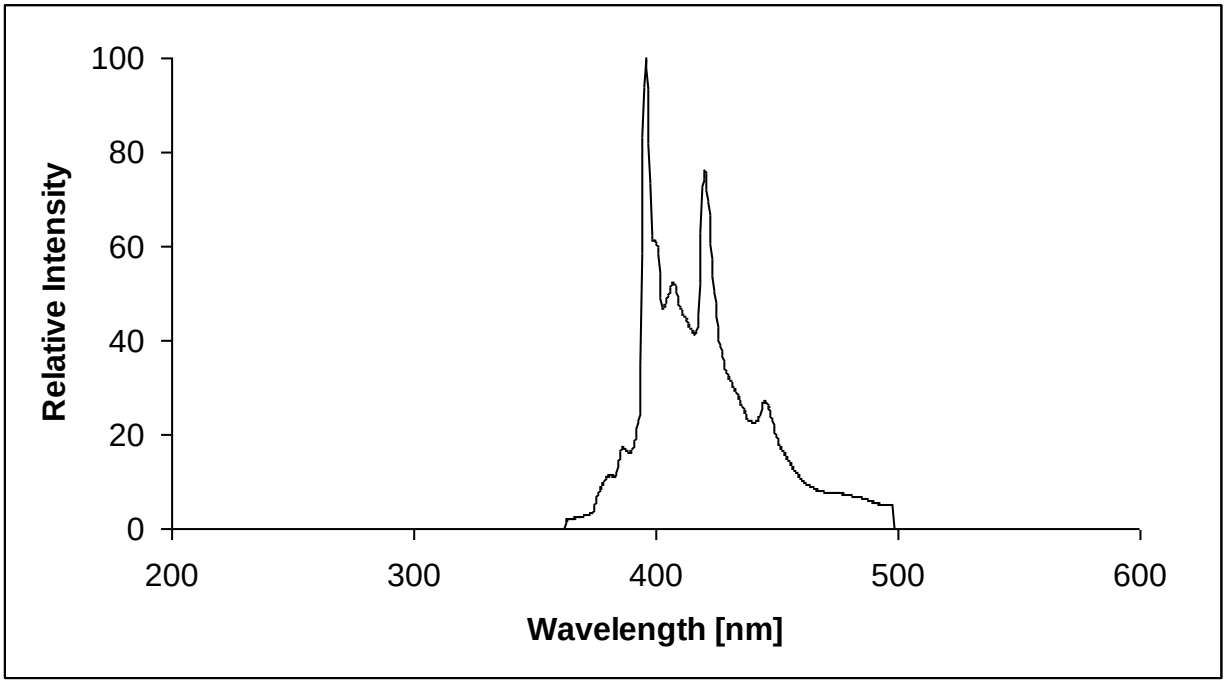


λ exc.	312 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[4]

P06D Naphtho(1,2,3,4-def)chrysene

Bibenzo(a,e)pyrene

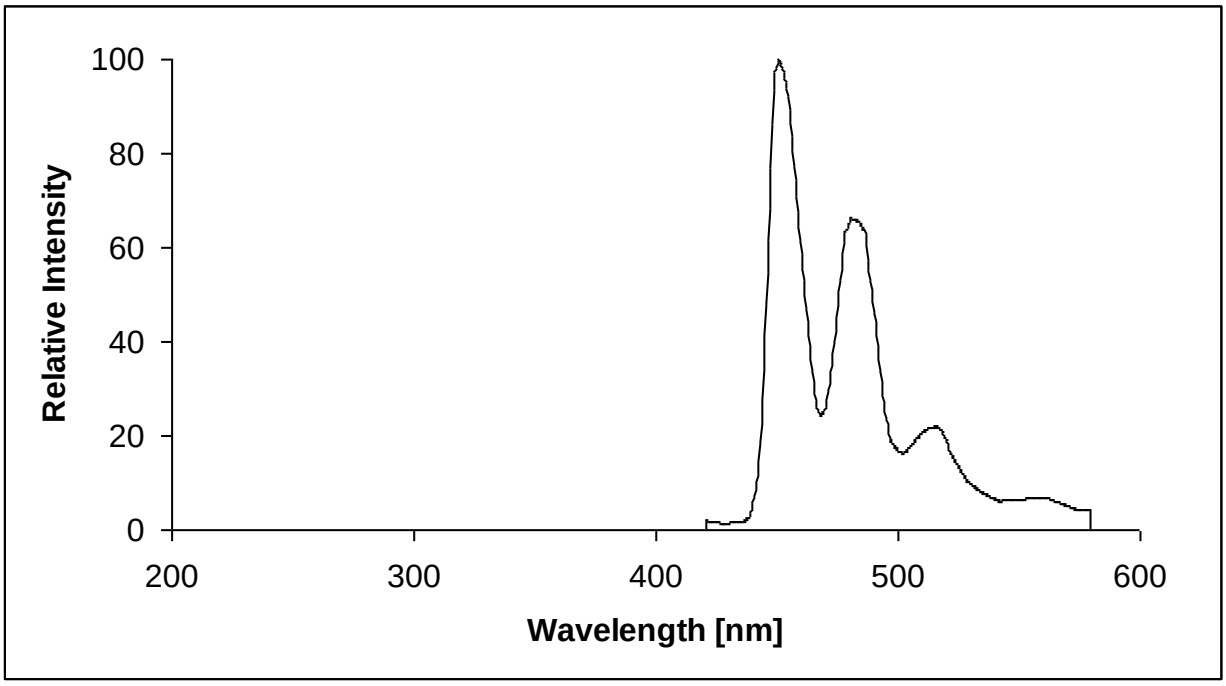




λ exc.	304.5 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	244.4°C
m.a.c. (266 nm)	3.6 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 764-I

P06E Dibenzo(b,def)chrysene

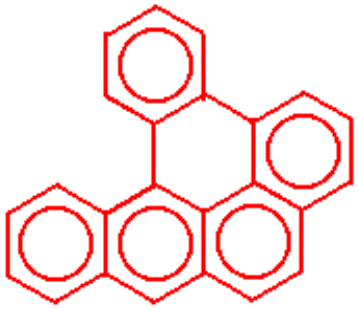
Dibenzo(a,h)pyrene

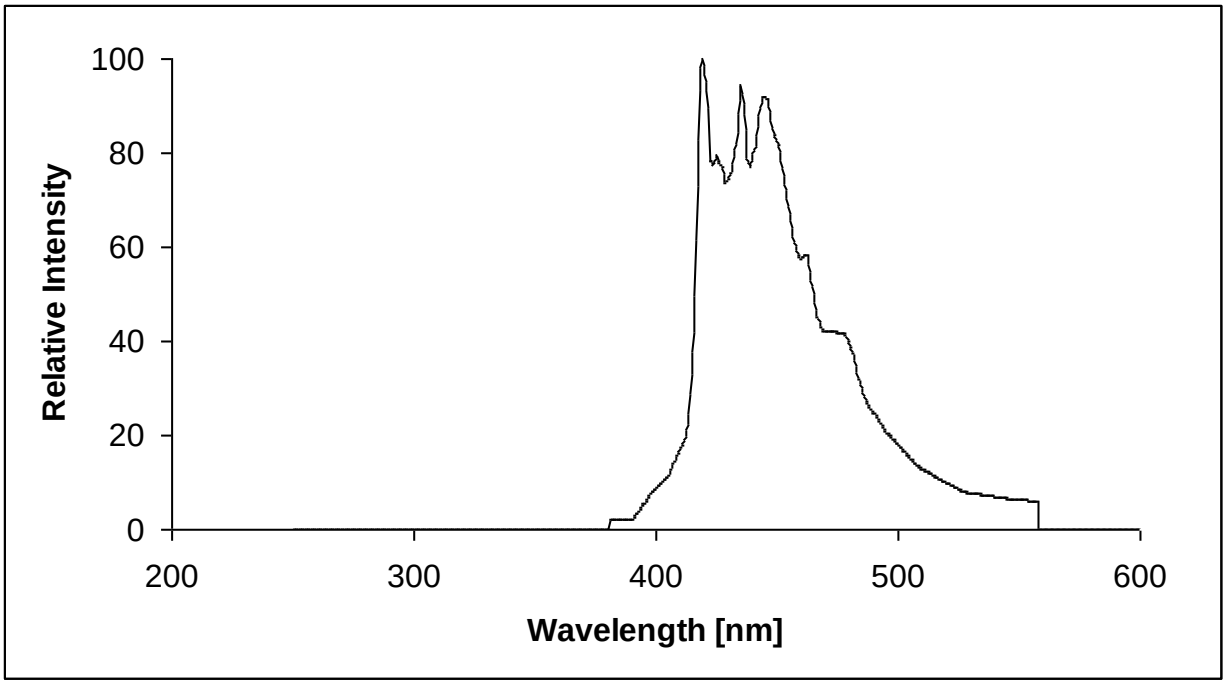


λ exc.	311 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	317°C
m.a.c. (266 nm)	2.45 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 776-II

P06F1 Dibenzo(def,p)chrysene(1)

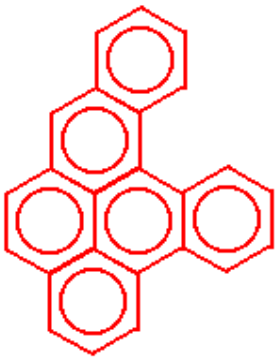
Dibenzo(a,l)pyrene

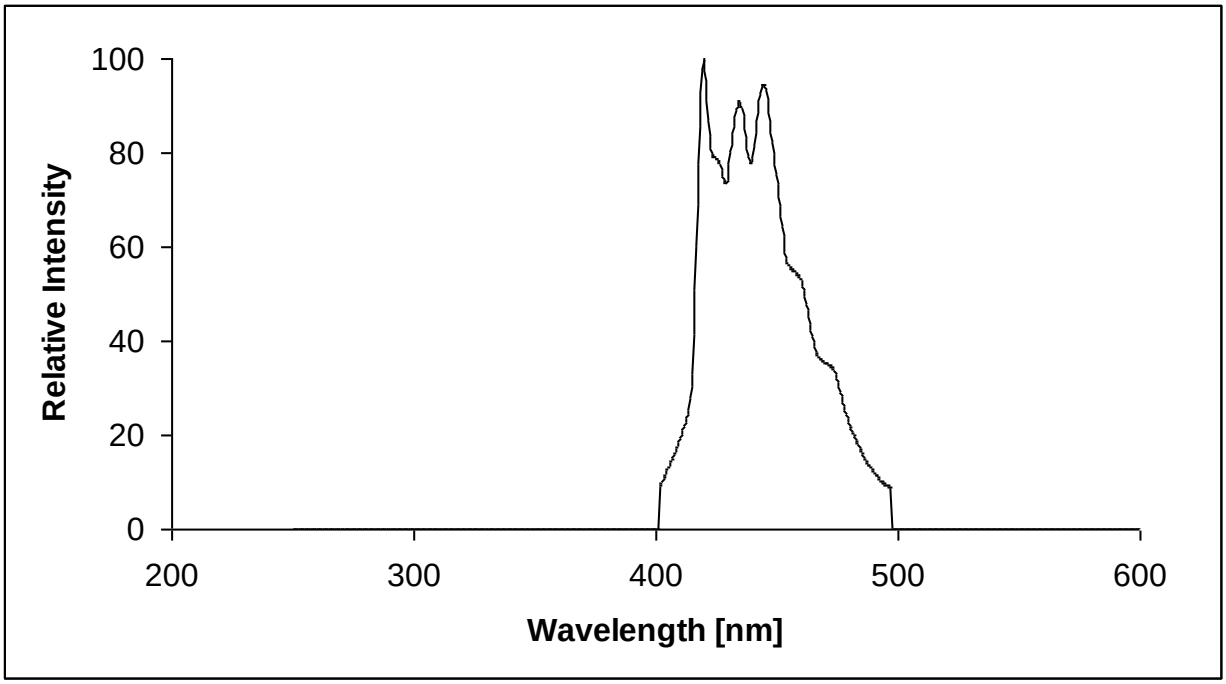




λ exc.	317 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	162.4°C
m.a.c. (266 nm)	3.1 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 780-I

P06F2 Dibenzo(def,p)chrysene(2)

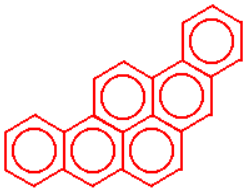


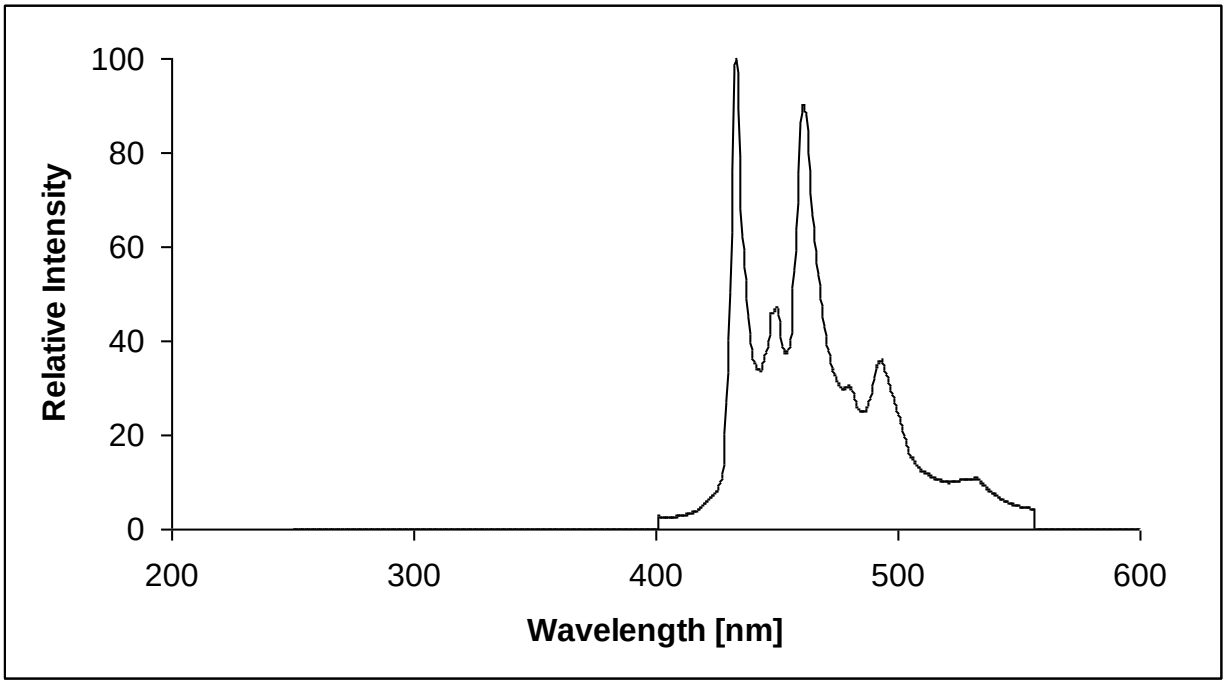


λ exc.	310 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[8]

P06G Benzo(r,s,t)pentaphene

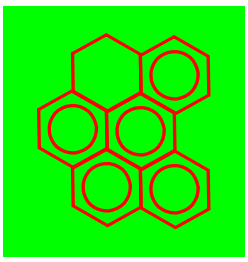
Dibenzo(a,i)pyrene

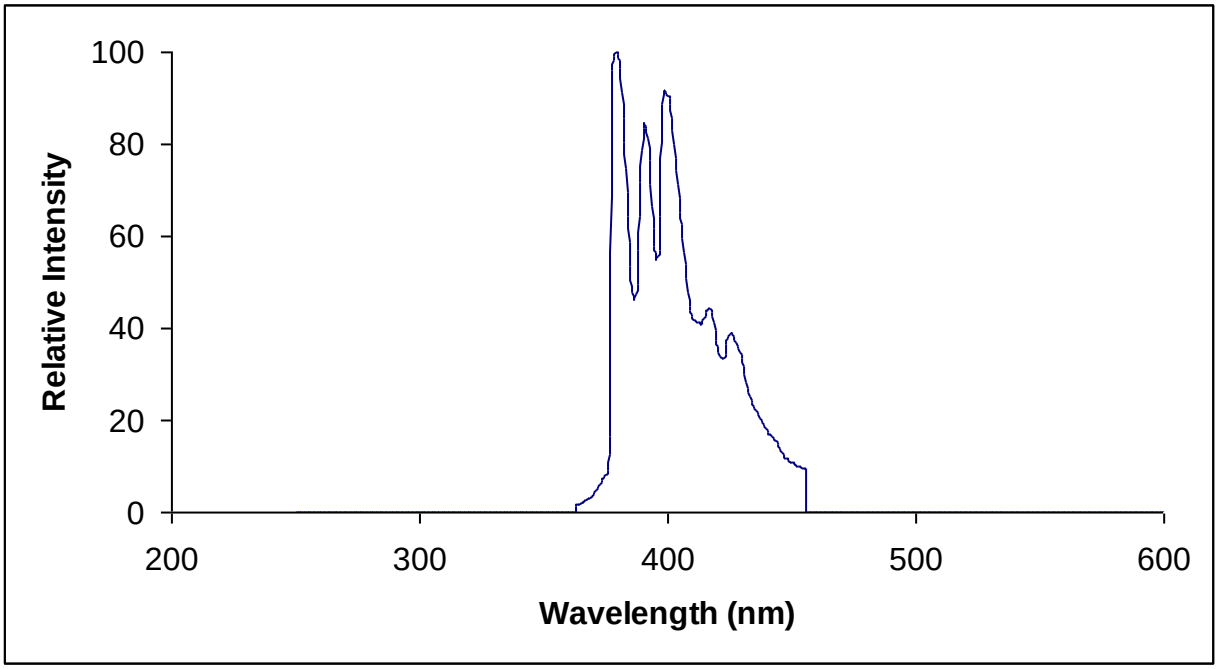




λ exc.	393 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	282°C
m.a.c. (266 nm)	2 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 796-II

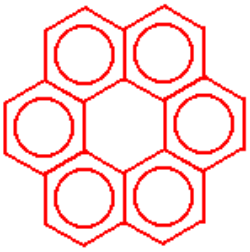
P06L Dihydrobenzo[ghi]perylene

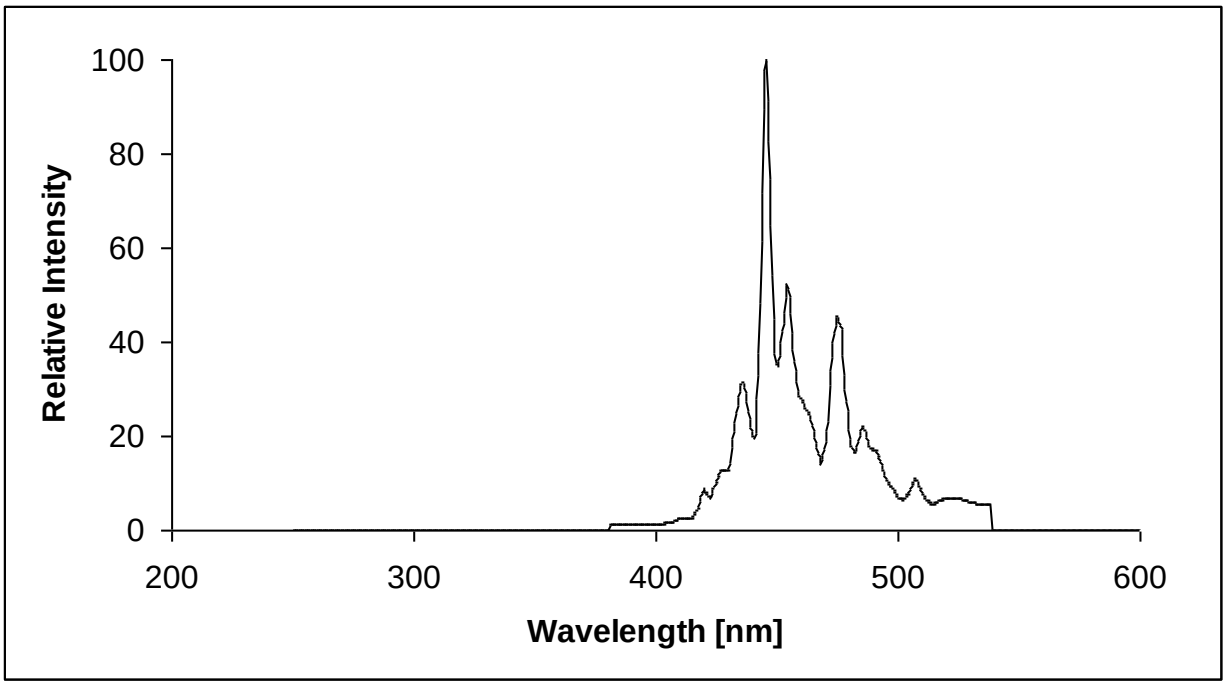




λ exc.	334 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[14]

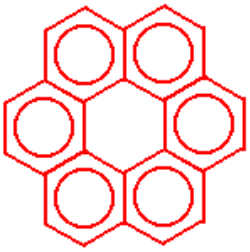
P07C Coronene (1)

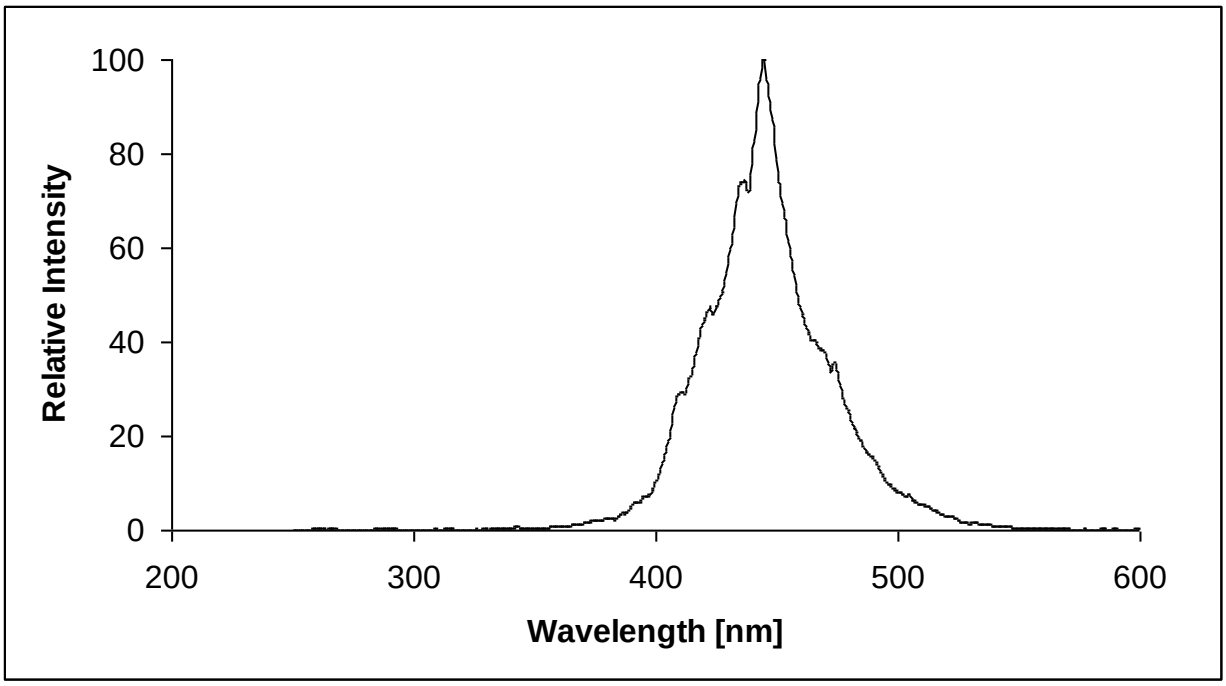




λ exc.	302 nm
Formula	$C_{24}H_{12}$
M.W.	300 u
H/H+C	0.333
m.p.	439°C
m.a.c. (266 nm)	0.45 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 720-II

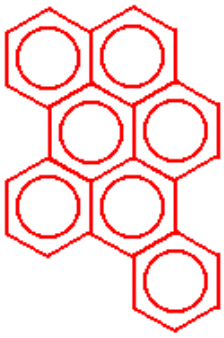
P07CG Coronene (2)

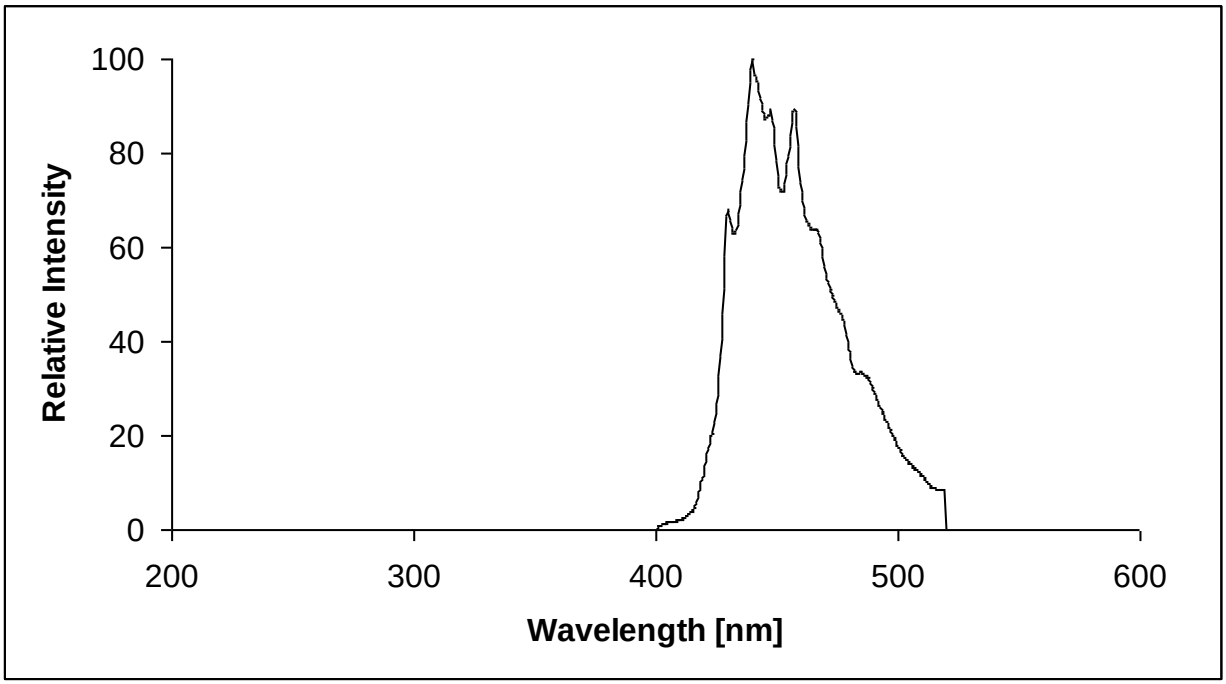




λ exc.	266 nm
Formula	$C_{24}H_{12}$
M.W.	300 u
H/H+C	0.333
m.p.	439°C
m.a.c. (266 nm)	0.45 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 700 K
source	CNPM

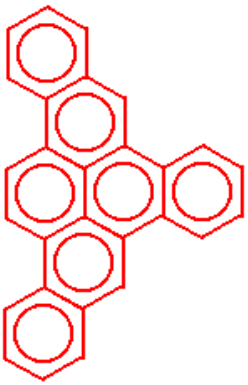
P07D Dibenzo(e,ghi)perylene

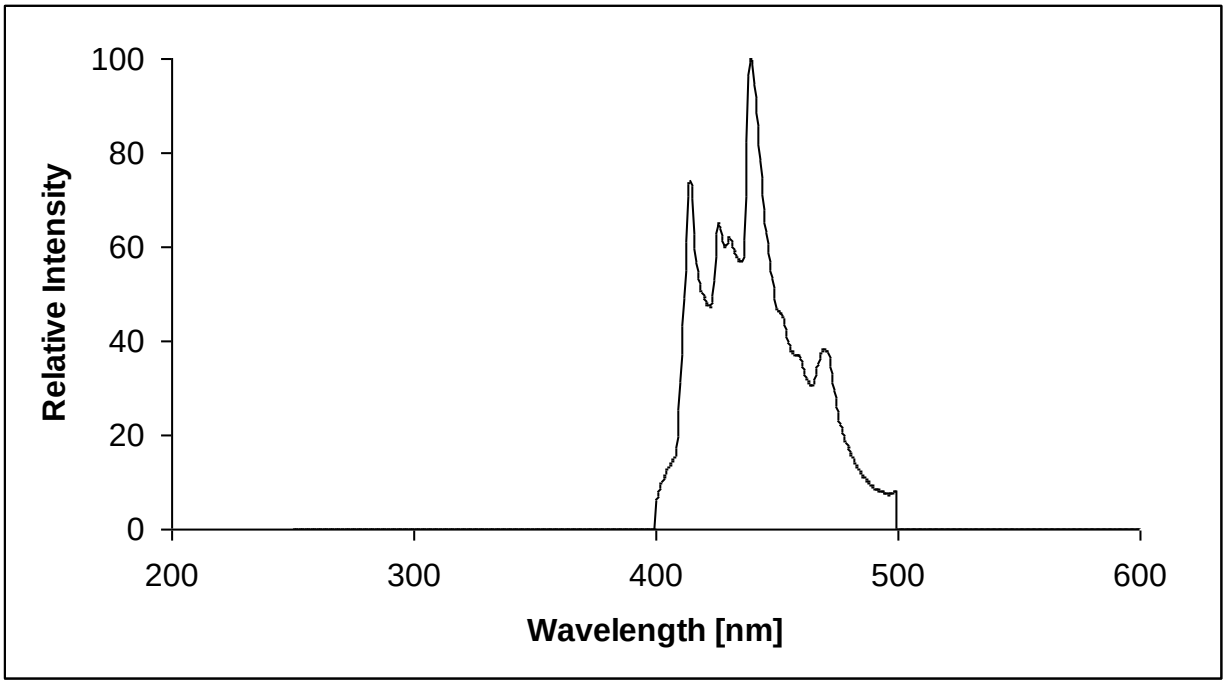




λ exc.	330 nm
Formula	$C_{26}H_{14}$
M.W.	326 u
H/H+C	0.350
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[4]

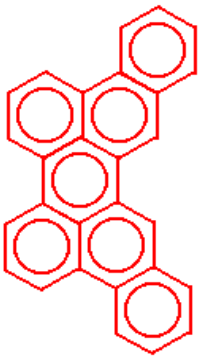
P07E Dibenzo(h,rst)pentathene

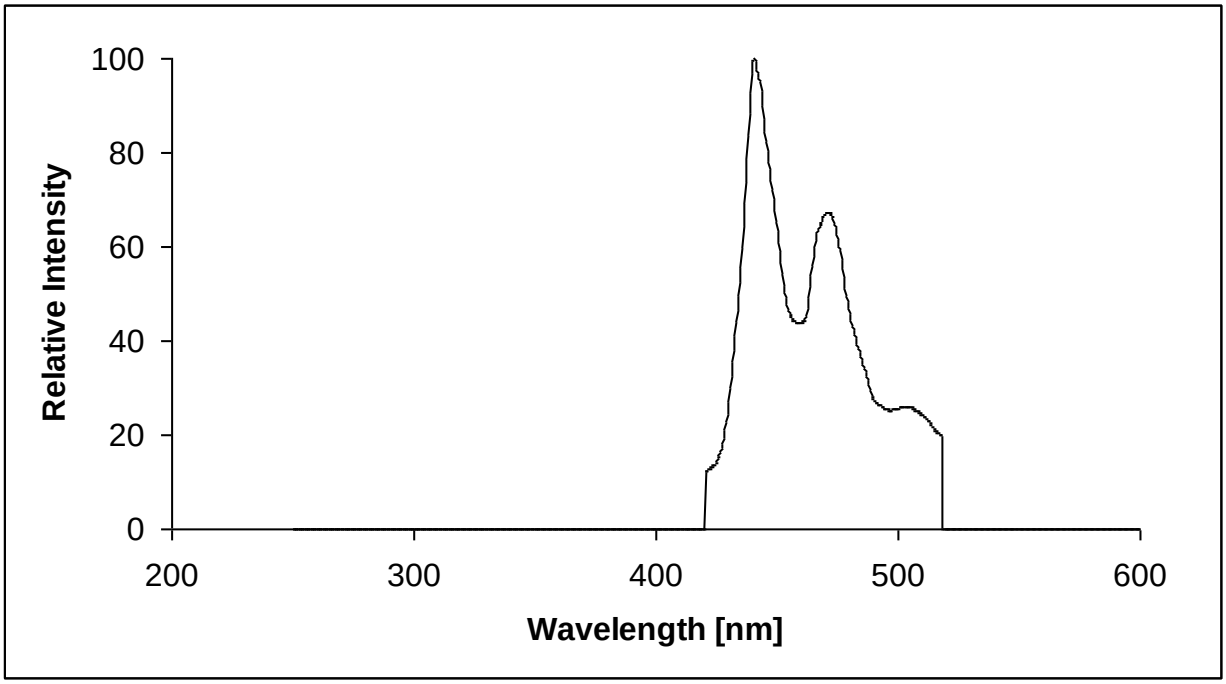




λ exc.	366 nm
Formula	$C_{28}H_{16}$
M.W.	352 u
H/H+C	0.346
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

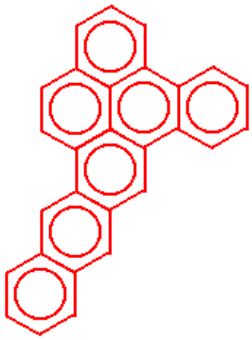
P07F Dibenzo(fg,ij)pentathene

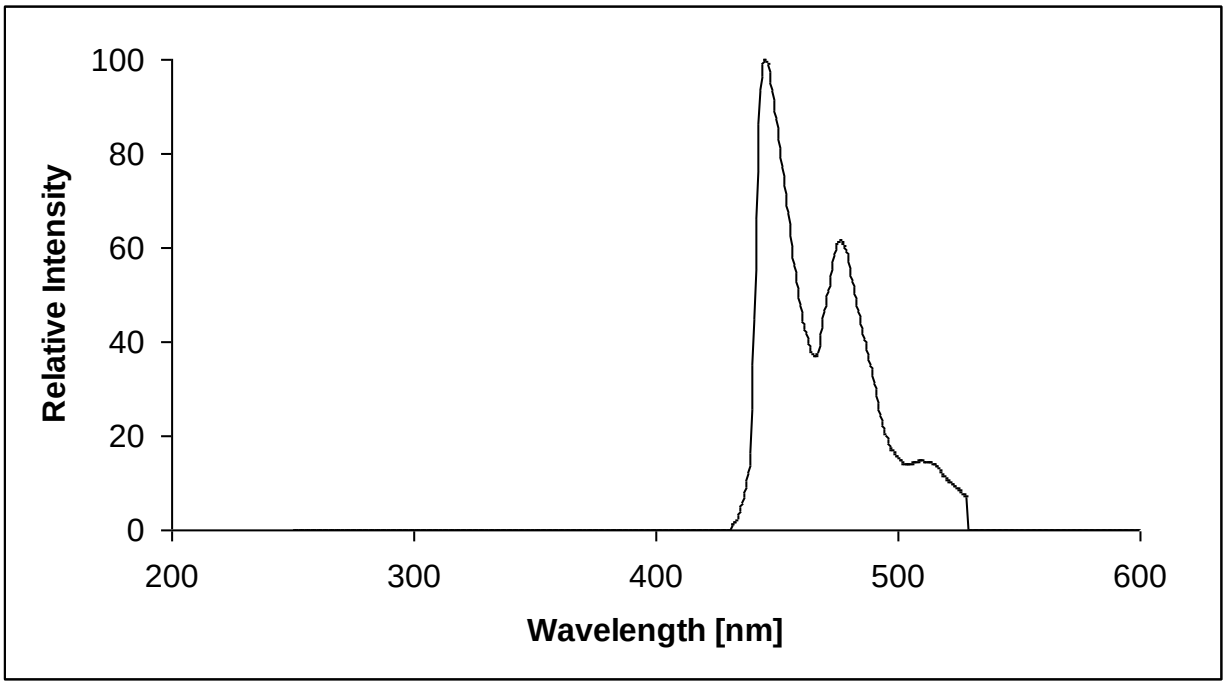




λ exc.	300 nm
Formula	$C_{28}H_{16}$
M.W.	352 u
H/H+C	0.346
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

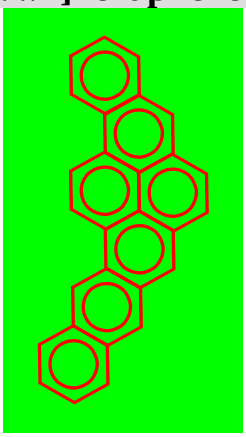
P07G Benzo(a)naphtho(8,1,2-cde)naphthacene

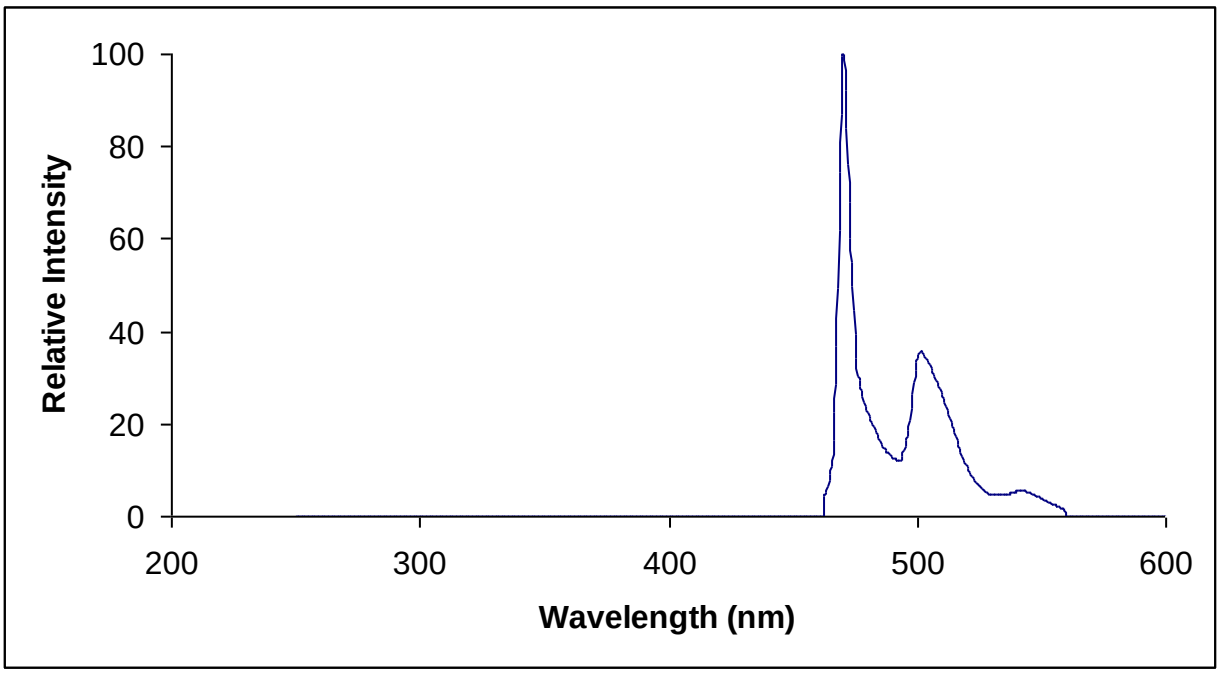




λ exc.	411 nm
Formula	$C_{28}H_{16}$
M.W.	352 u
H/H+C	0.364
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[4]

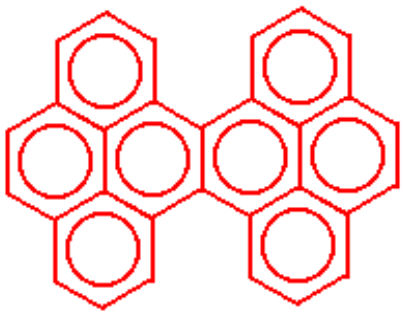
P07H Benzo[vwx]hexaphene

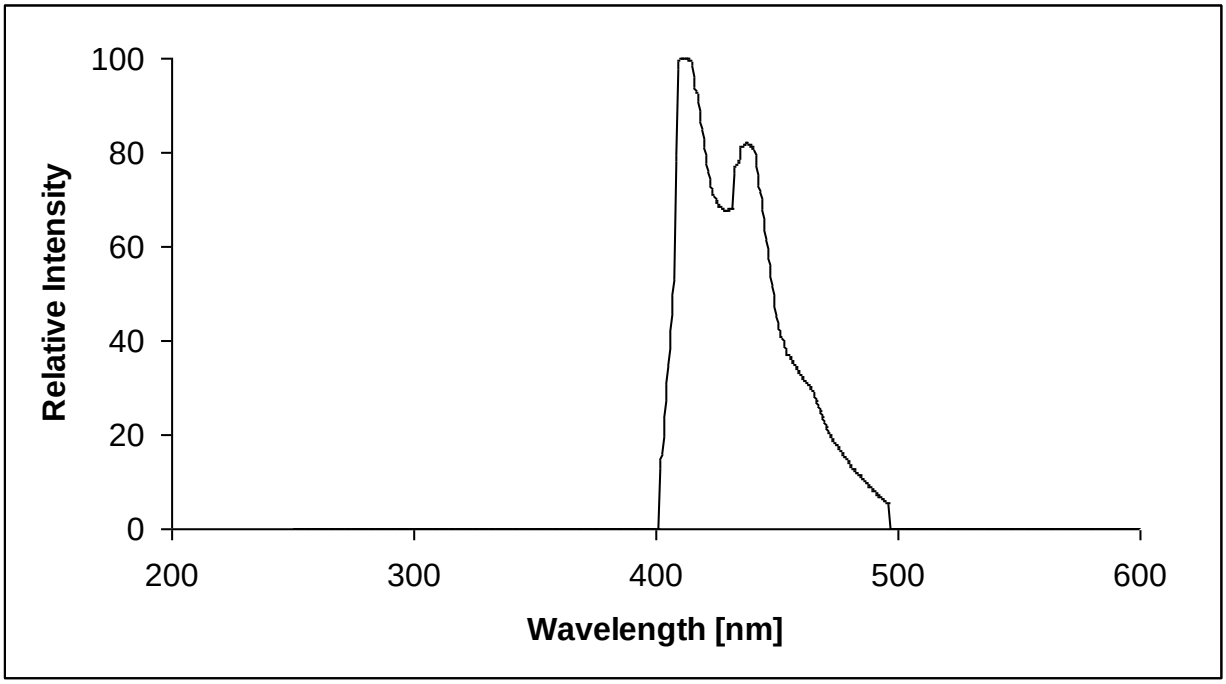




λ exc.	360 nm
Formula	$C_{28}H_{16}$
M.W.	352 u
H/H+C	0.363
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[16]

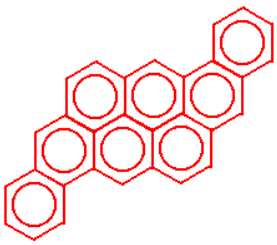
P08N Tetrabenzo(de,hi,mn,gr)naphthacene

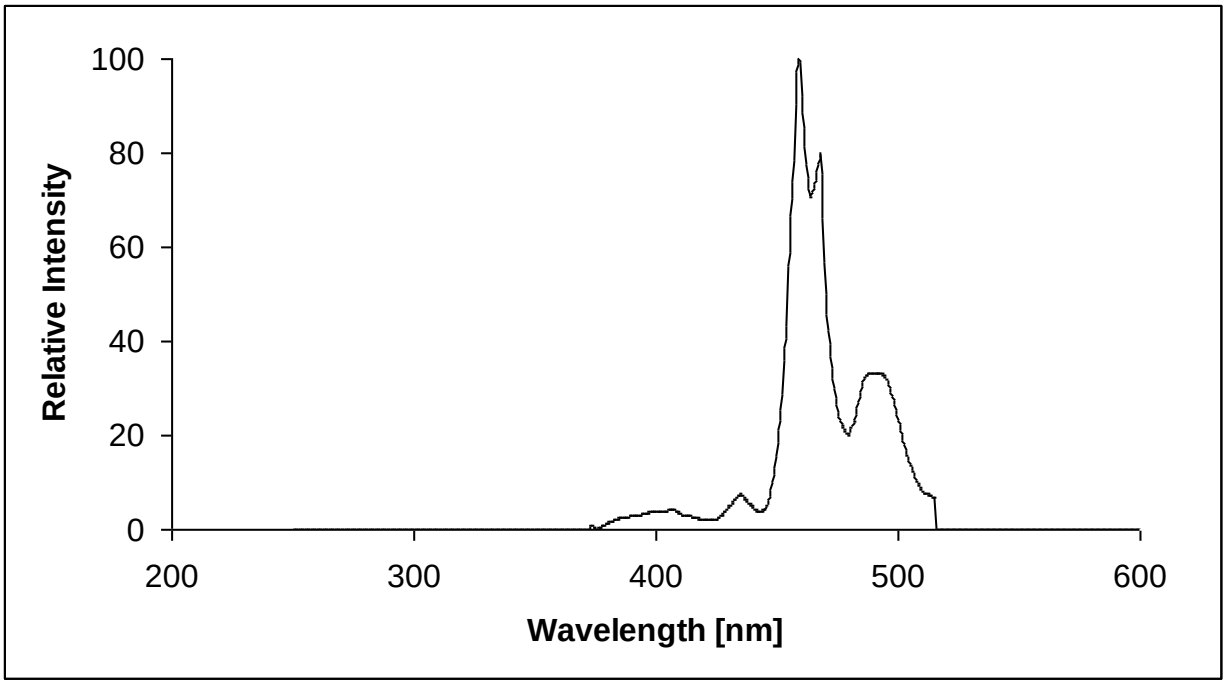




λ exc.	318 nm
Formula	$C_{30}H_{16}$
M.W.	376 u
H/H+C	0.348
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

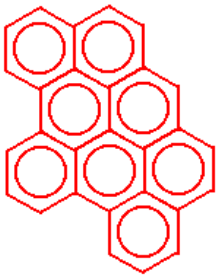
P08P Pyranthrene

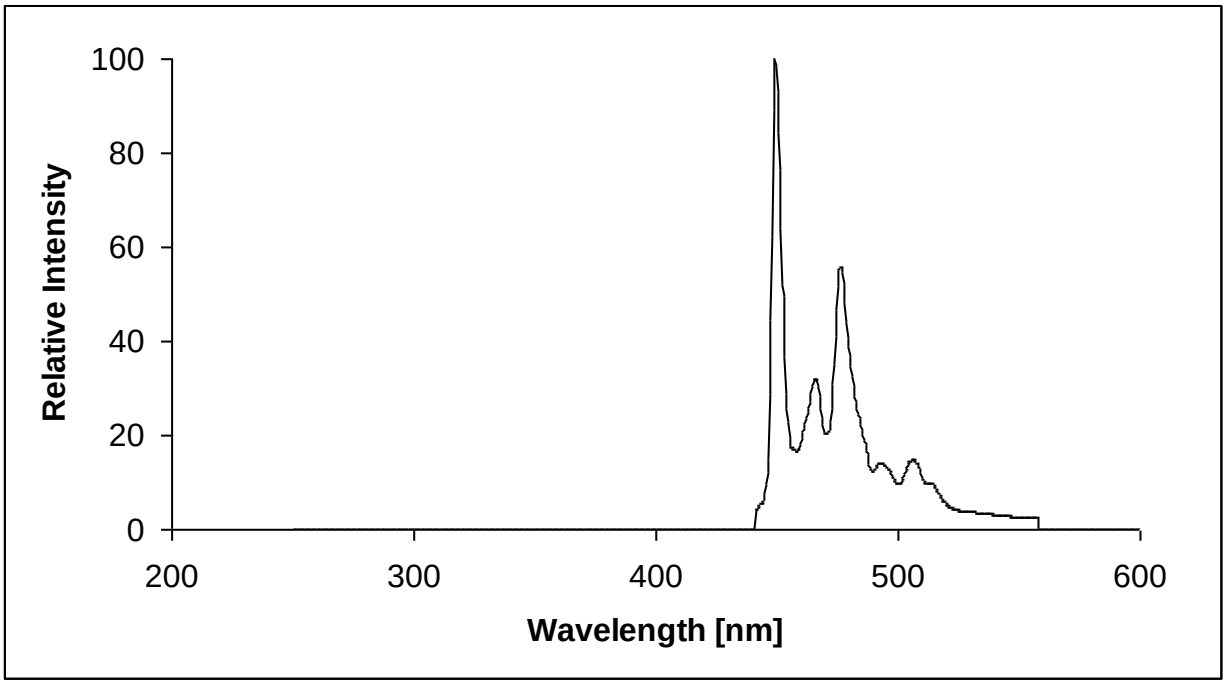




λ exc.	
Formula	$C_{30}H_{16}$
M.W.	376 u
H/H+C	0.348
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

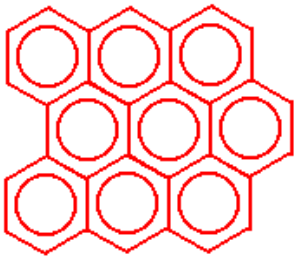
P08R Phenanthro(5,4,3,2-efghi)perylene

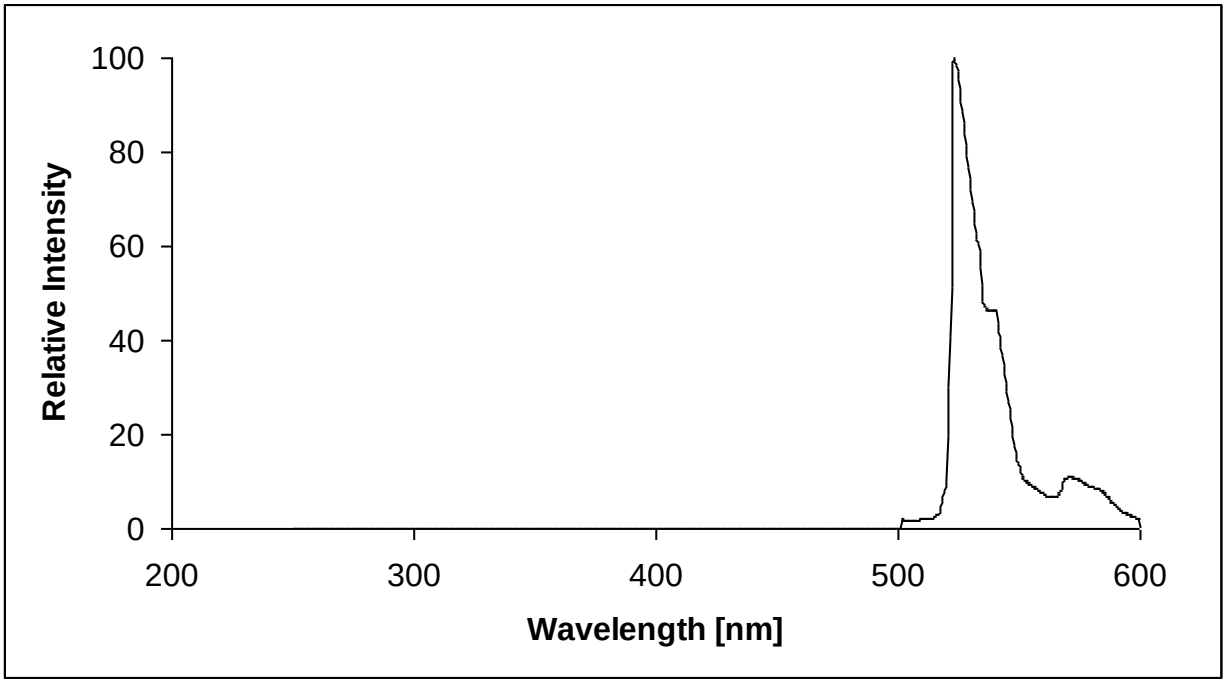




λ exc.	365 nm
Formula	$C_{28}H_{14}$
M.W.	350 u
H/H+C	0.333
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[4]

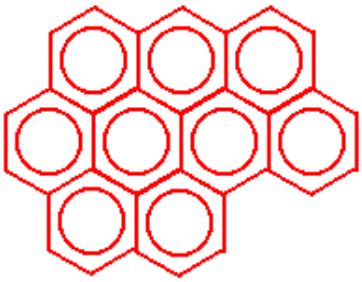
P09C Dibenzo(bc,ef)coronene

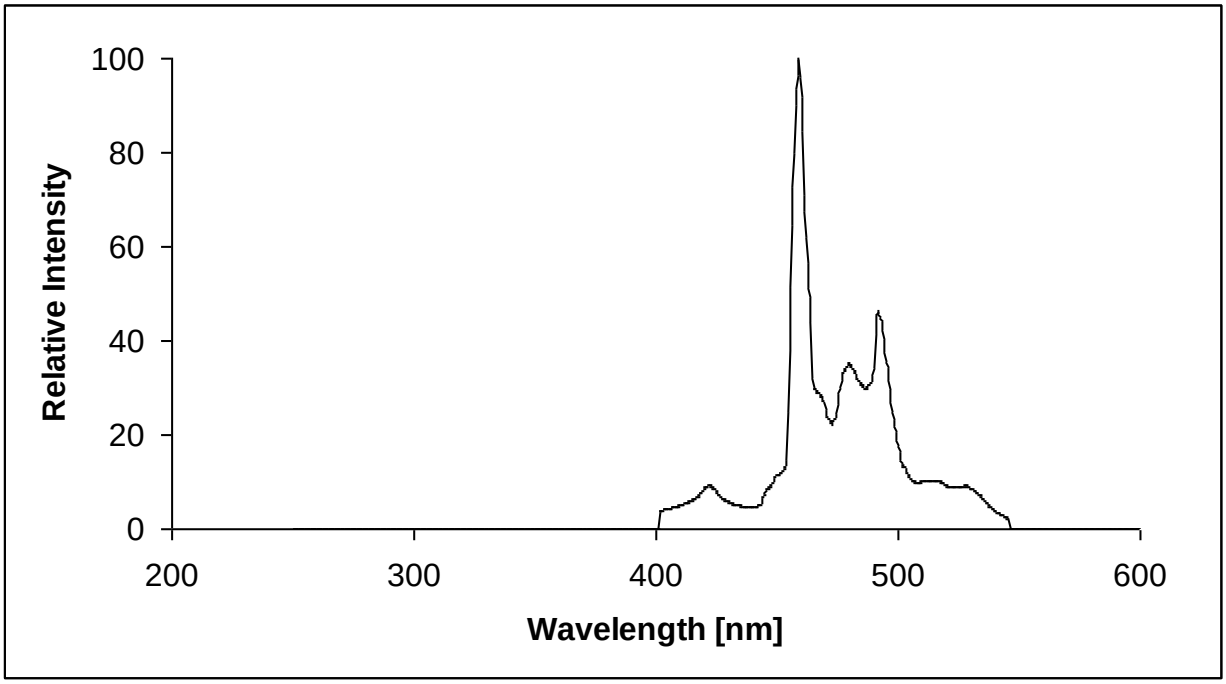




λ exc.	336 nm
Formula	$C_{30}H_{14}$
M.W.	374 u
H/H+C	0.318
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

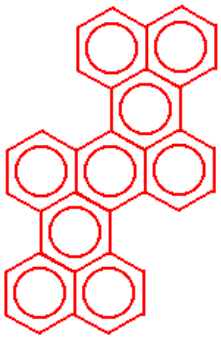
P09D Naphtho(8,1,2-abc)coronene

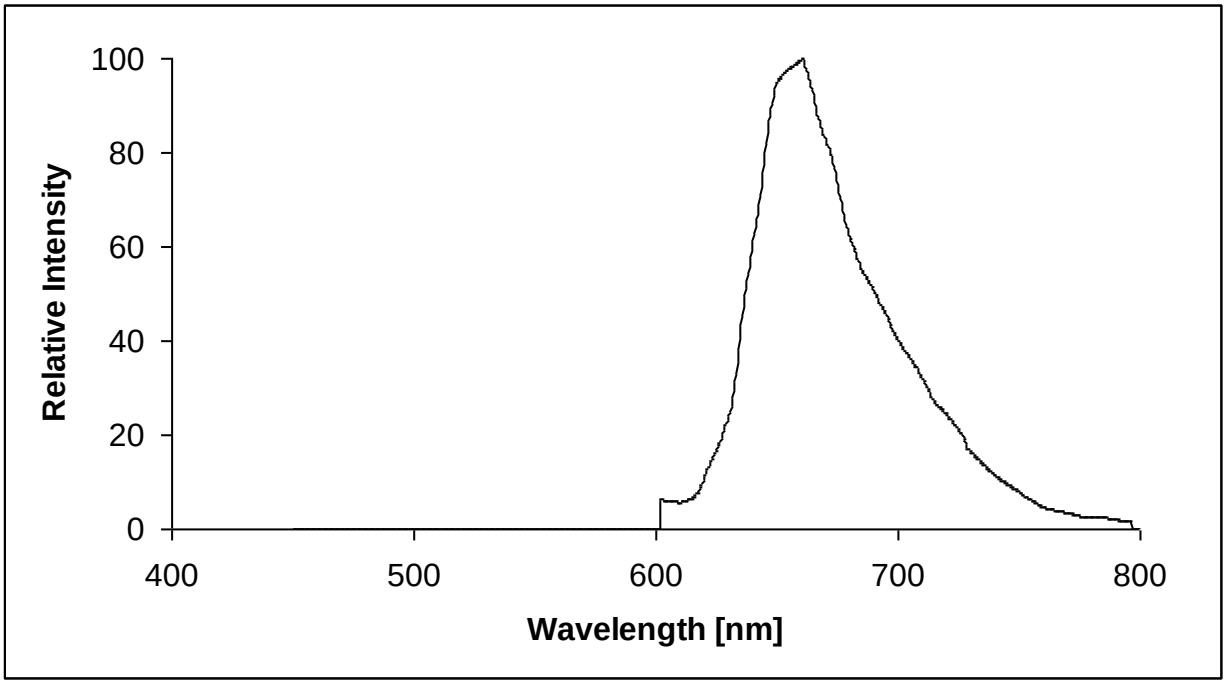




λ exc.	322 nm
Formula	$C_{30}H_{14}$
M.W.	374 u
H/H+C	0.318
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

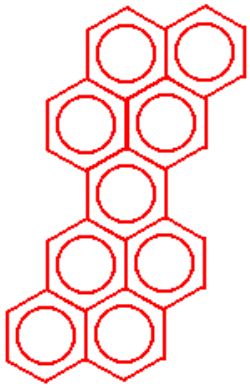
P09E Tetrabenzo(de,hi,op,st)pentacene

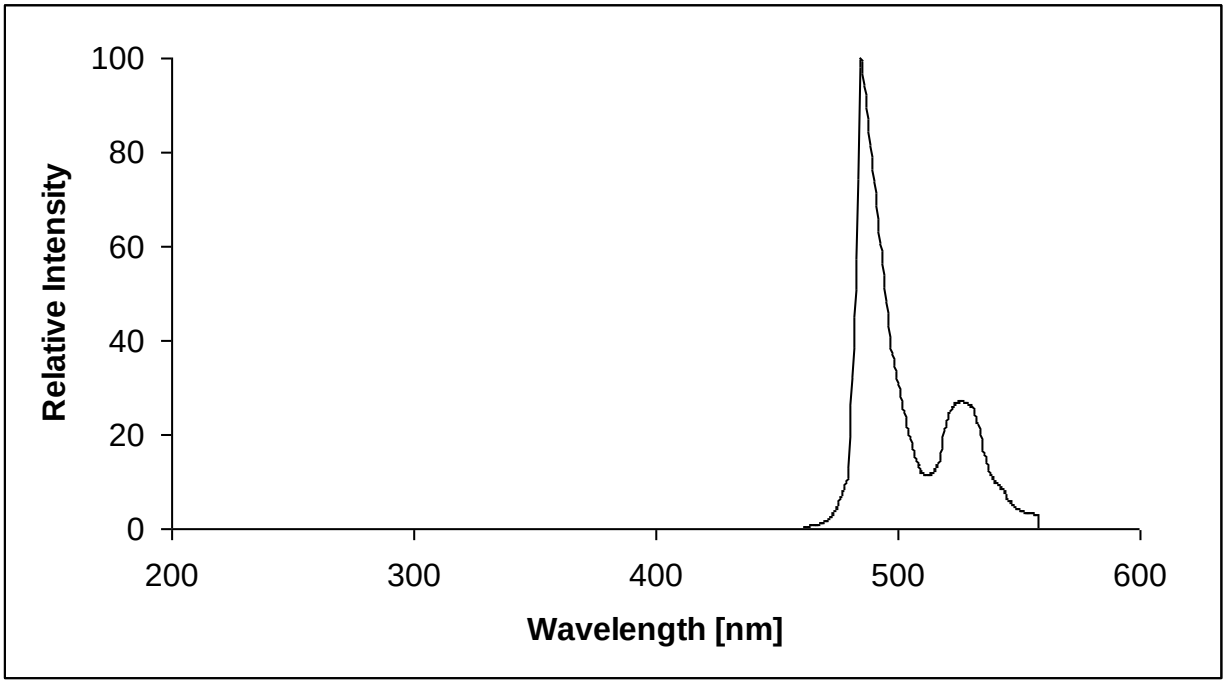




λ exc.	375 nm
Formula	$C_{34}H_{18}$
M.W.	426 u
H/H+C	0.346
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

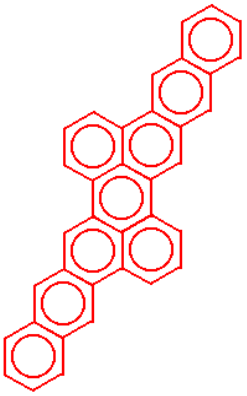
P09F Dinaphtho(2,1,8,7-defg;2',1',8',7'-opqr)pentacene

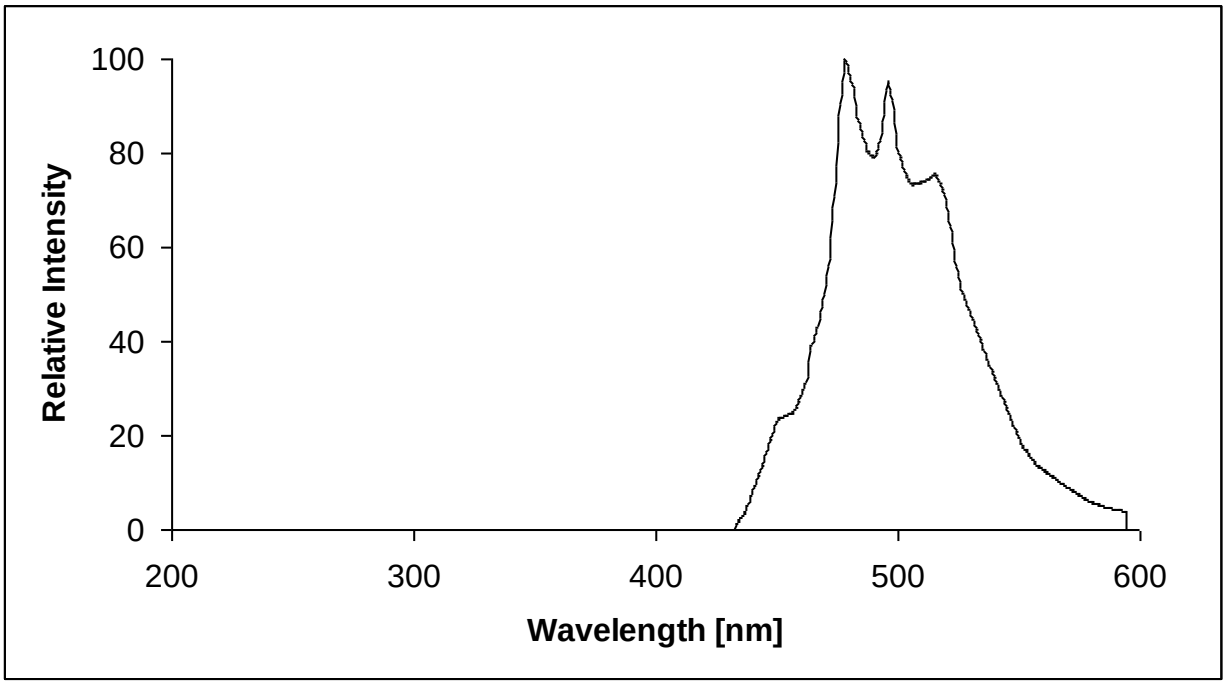




λ exc.	410 nm
Formula	$C_{32}H_{16}$
M.W.	400 u
H/H+C	0.333
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

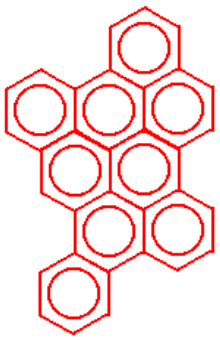
P09G Dibenzo(hi,wx)heptacene

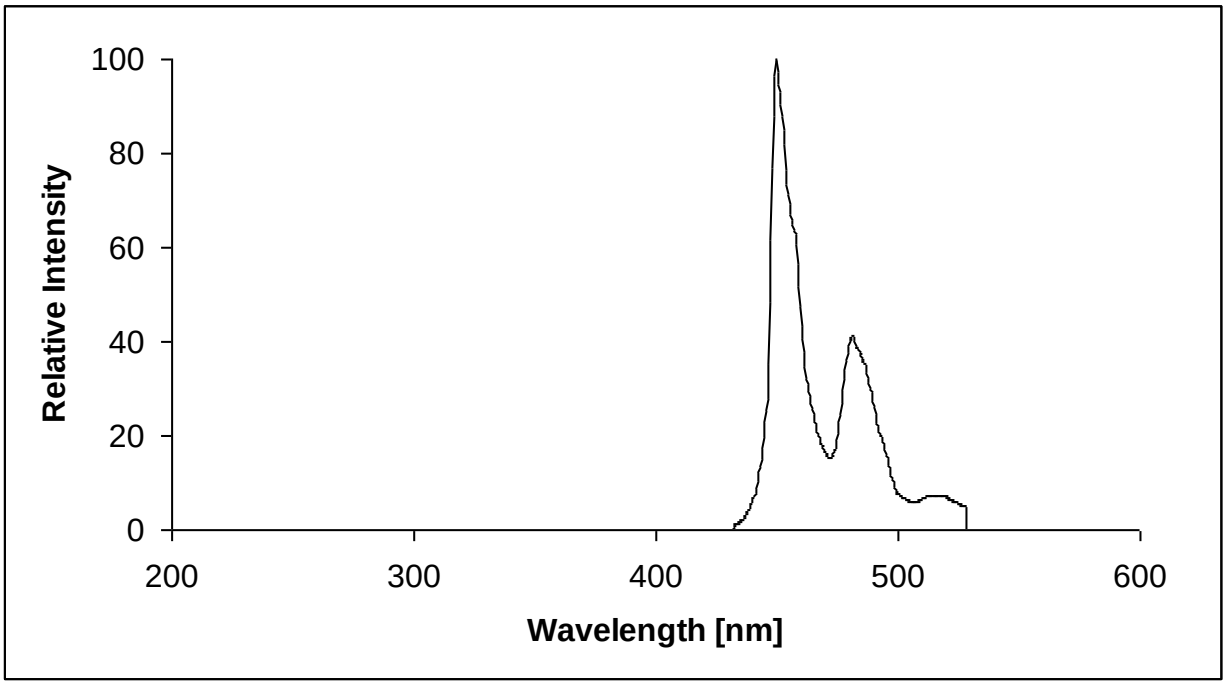




λ exc.	400 nm
Formula	$C_{36}H_{20}$
M.W.	452 u
H/H+C	0.357
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[16]

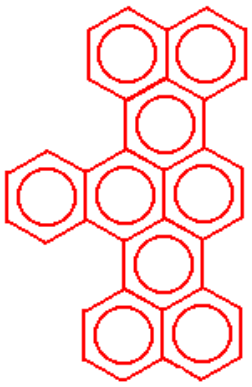
P09P Dibenzo(cd,k)naphtho(8,1,2-fghi)perylene

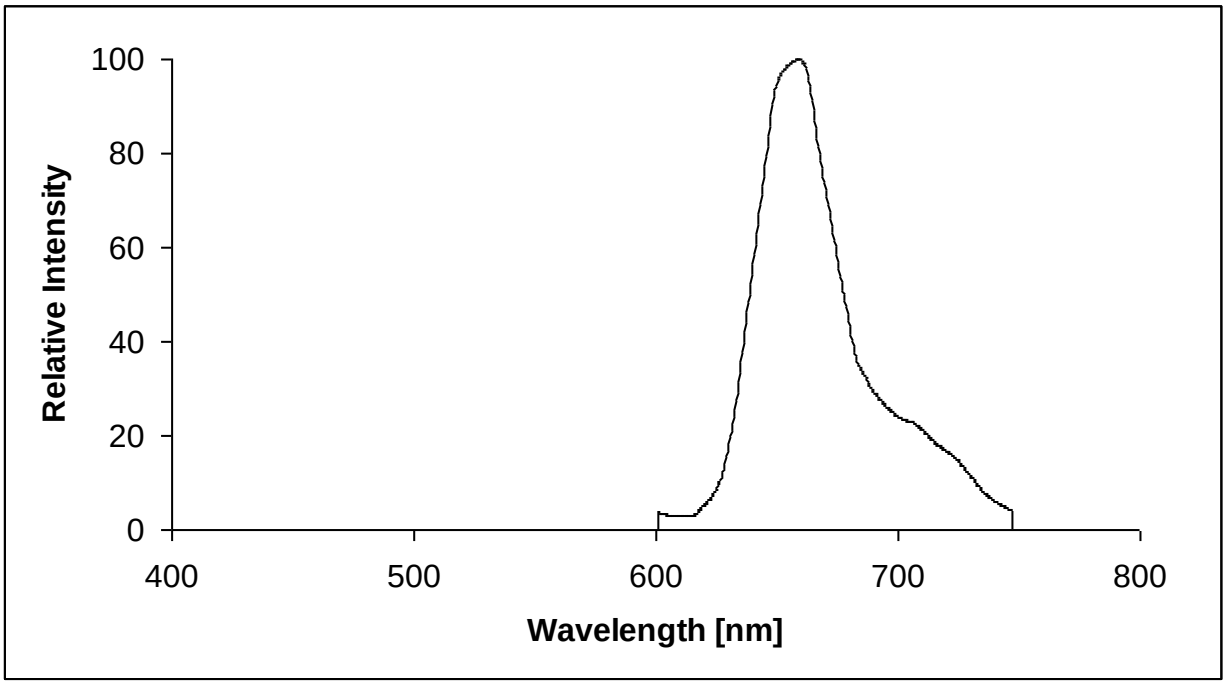




λ exc.	321 nm
Formula	$C_{32}H_{16}$
M.W.	400 u
H/H+C	0.333
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[4]

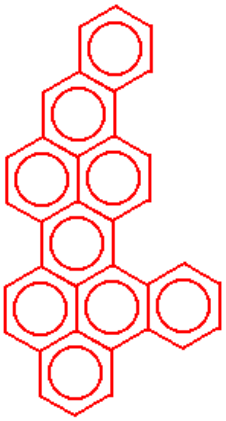
P09R Dibenzo(de,kl)naphtho(1,2,3,4-rst)pentaphene

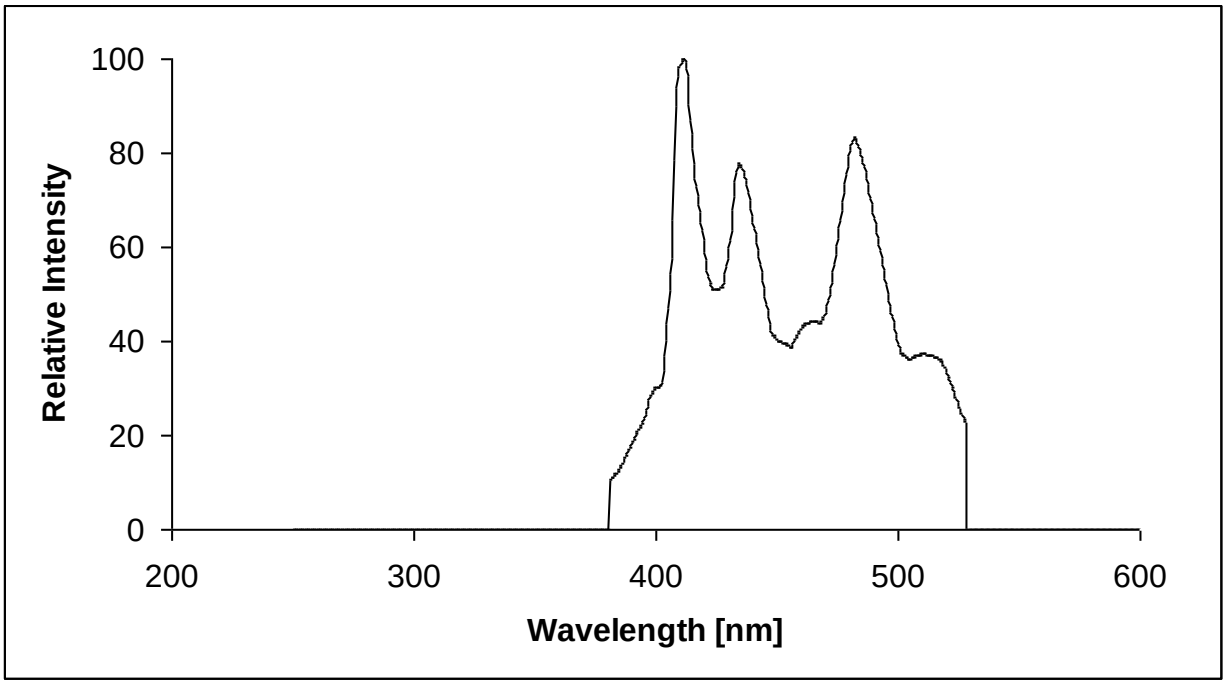




λ exc.	375 nm
Formula	$C_{34}H_{18}$
M.W.	426 u
H/H+C	0.346
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

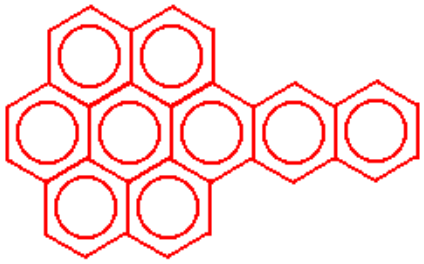
P09S Dibenzo(a,rst)naphtho(8,1,2-cde)pentathene

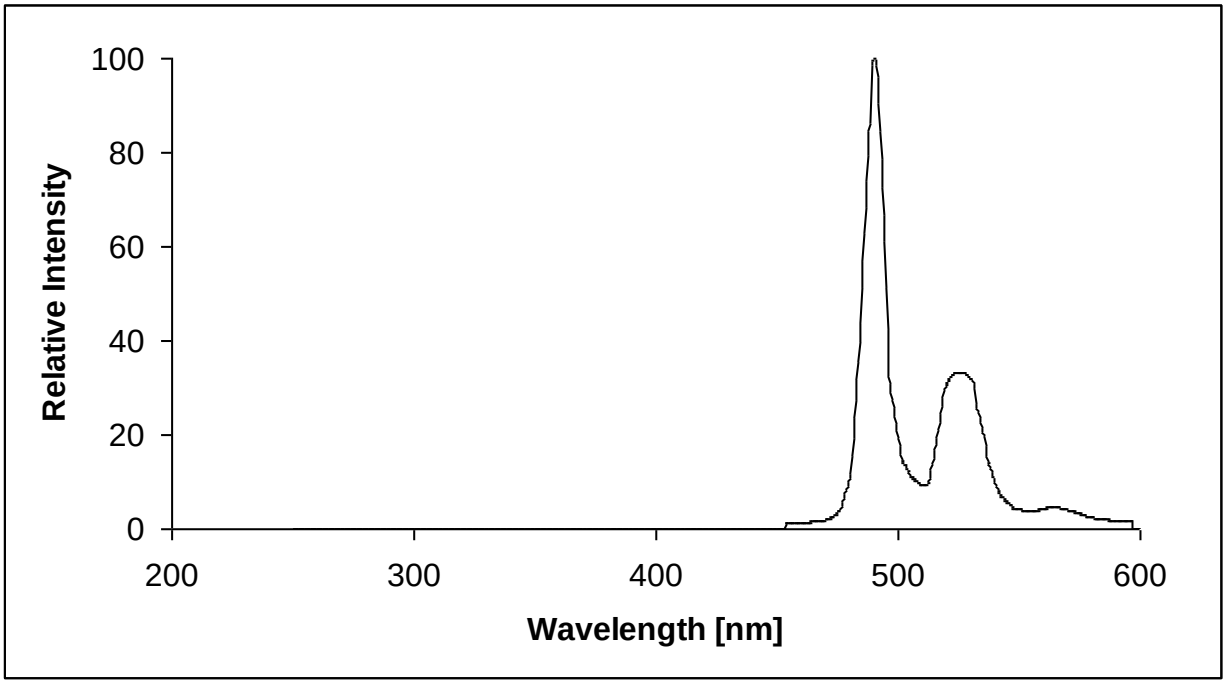




λ exc.	300 nm
Formula	$C_{34}H_{18}$
M.W.	426 u
H/H+C	0.346
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

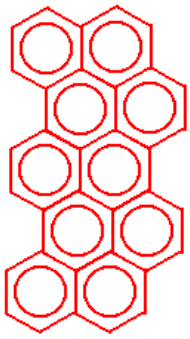
P10C Anthra(2,3-a)coronere

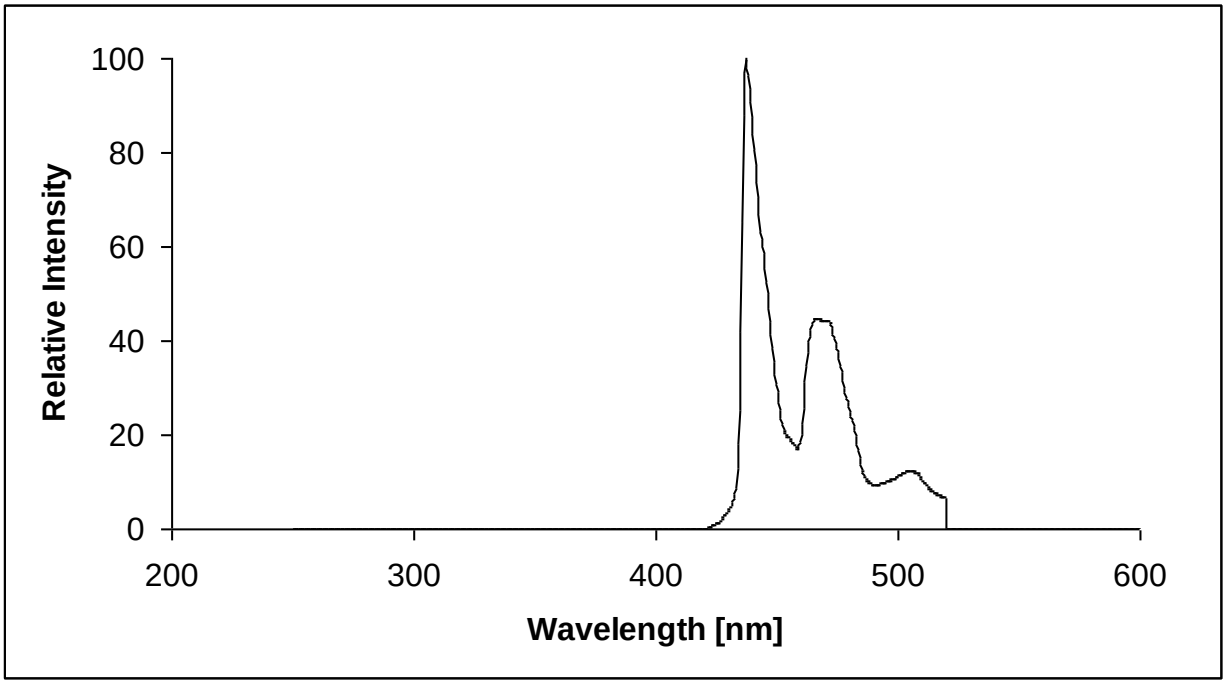




λ exc.	357 nm
Formula	$C_{36}H_{18}$
M.W.	450 u
H/H+C	0.333
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

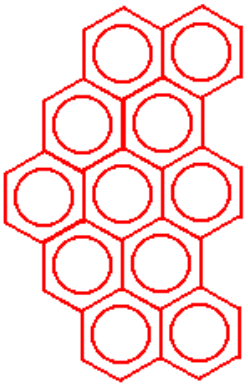
P10D Benzo(rst)dinaphtho(2,1,8,7-defg;2',1',8',7'-ijkl)pentaphene

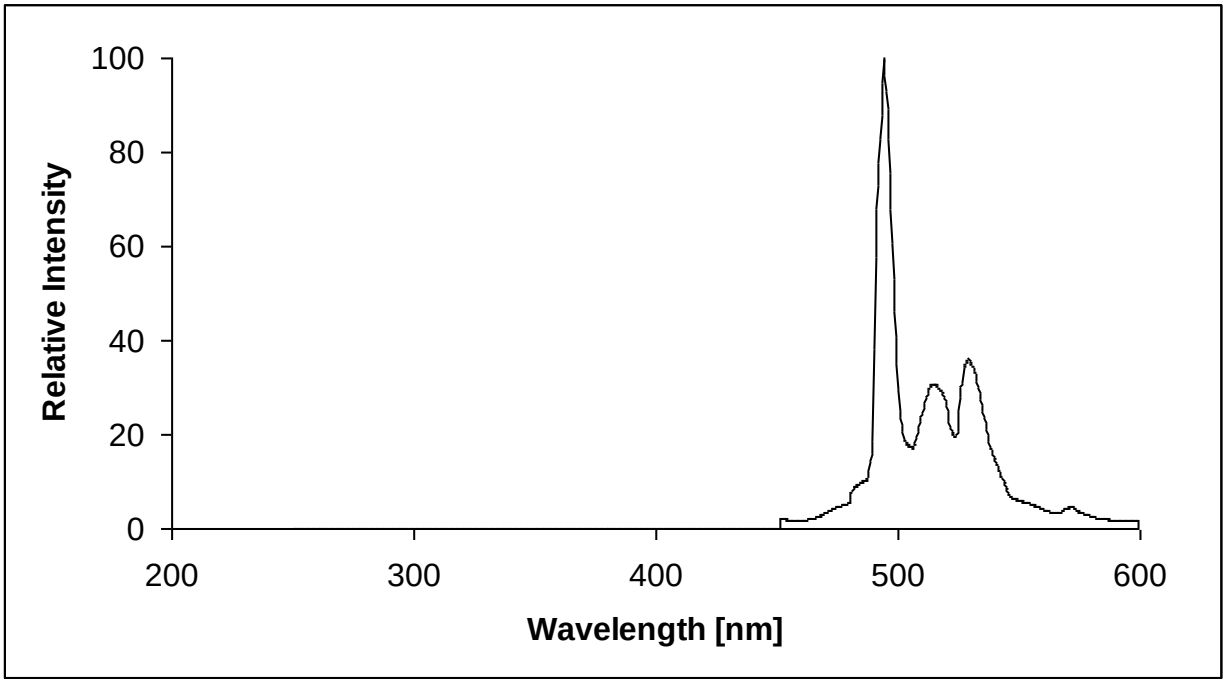




λ exc.	315 nm
Formula	$C_{34}H_{16}$
M.W.	424 u
H/H+C	0.320
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[5]

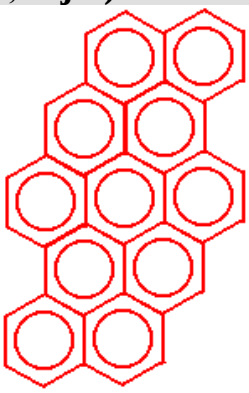
P11C Dinaphtho(8,1,2-abc;2',1',8'-klm)coronene

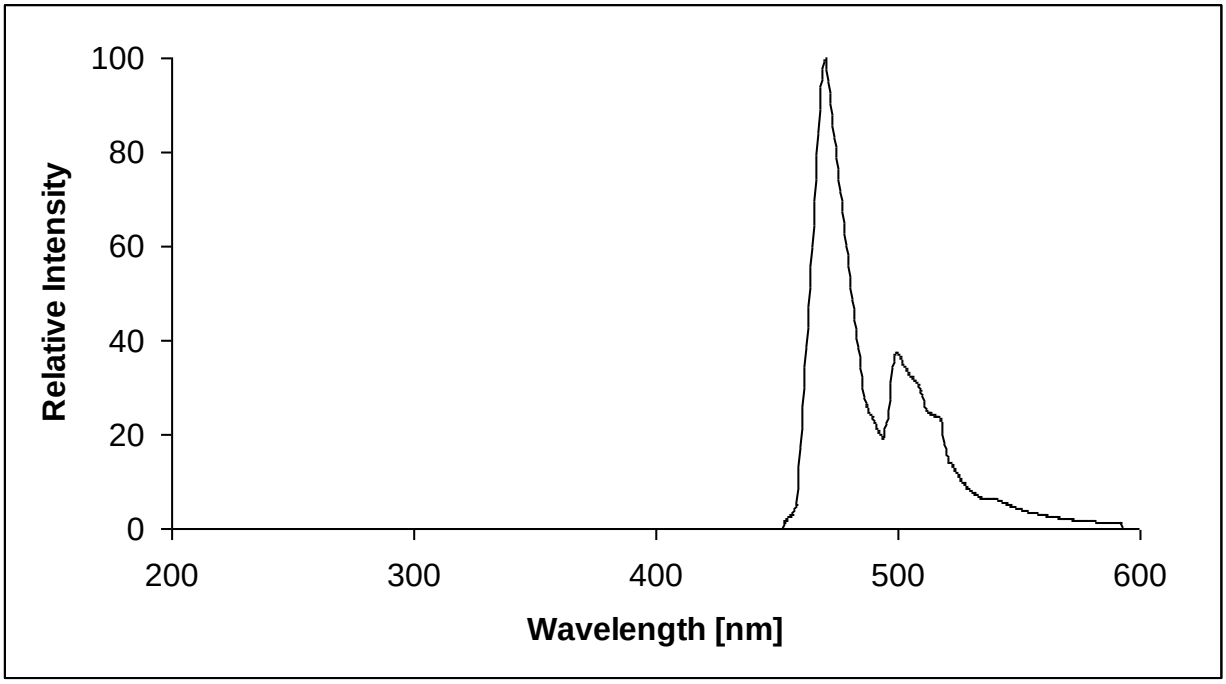




λ exc.	425 nm
Formula	$C_{36}H_{16}$
M.W.	448 u
H/H+C	0.308
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

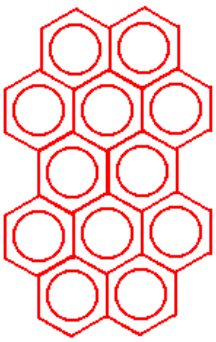
P11D Dinaphtho(8,1,2-abc;2',1',8'-jkl)coronene

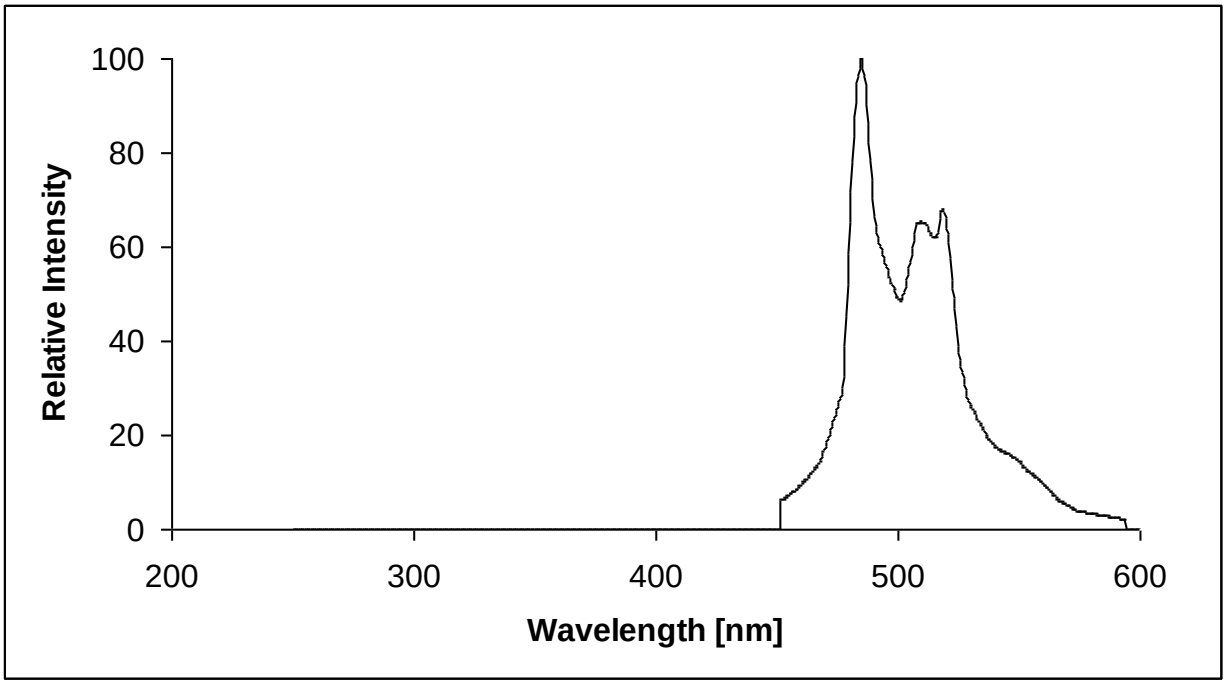




λ exc.	370 nm
Formula	$C_{36}H_{16}$
M.W.	448 u
H/H+C	0.308
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

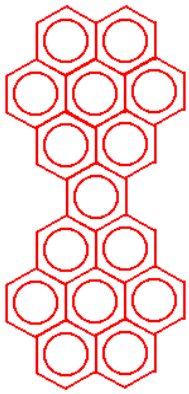
P12C Naphth(2',1',8',7':4,10,5)anthra(1,9,8-abcd)coronene

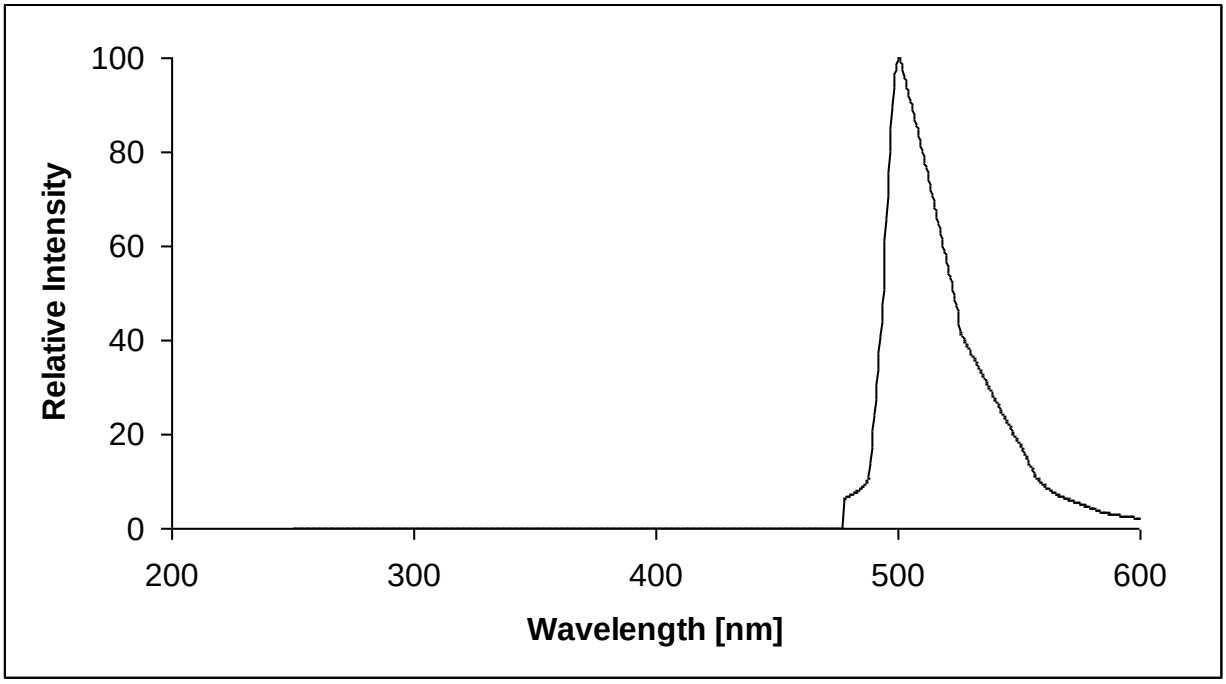




λ exc.	425 nm
Formula	$C_{38}H_{16}$
M.W.	472 u
H/H+C	0.296
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[3]

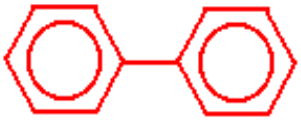
P15C Benzo(1,2,3-bc;4,5,6-b',c')dicoronene

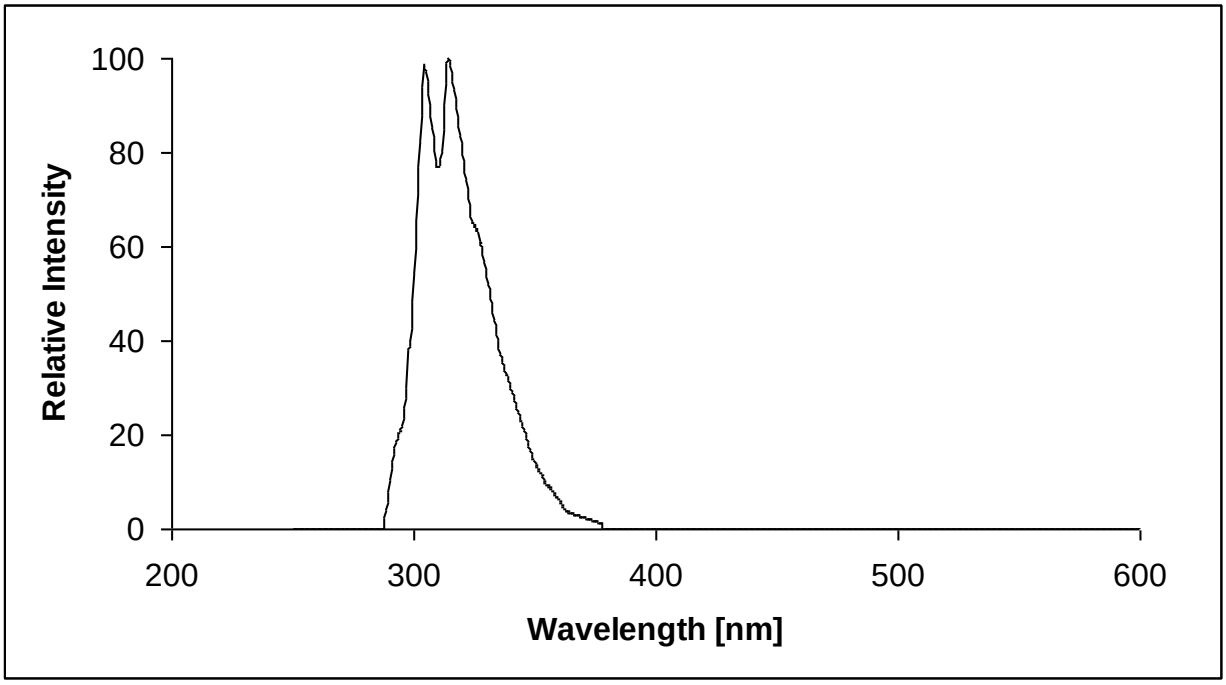




λ exc.	250 (440?) nm
Formula	$C_{47}H_{20}$
M.W.	584 u
H/H+C	0.299
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Dichloromethane
source	[3]

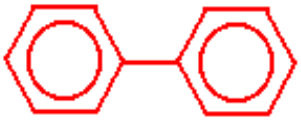
PBP0 Biphenyl (1)

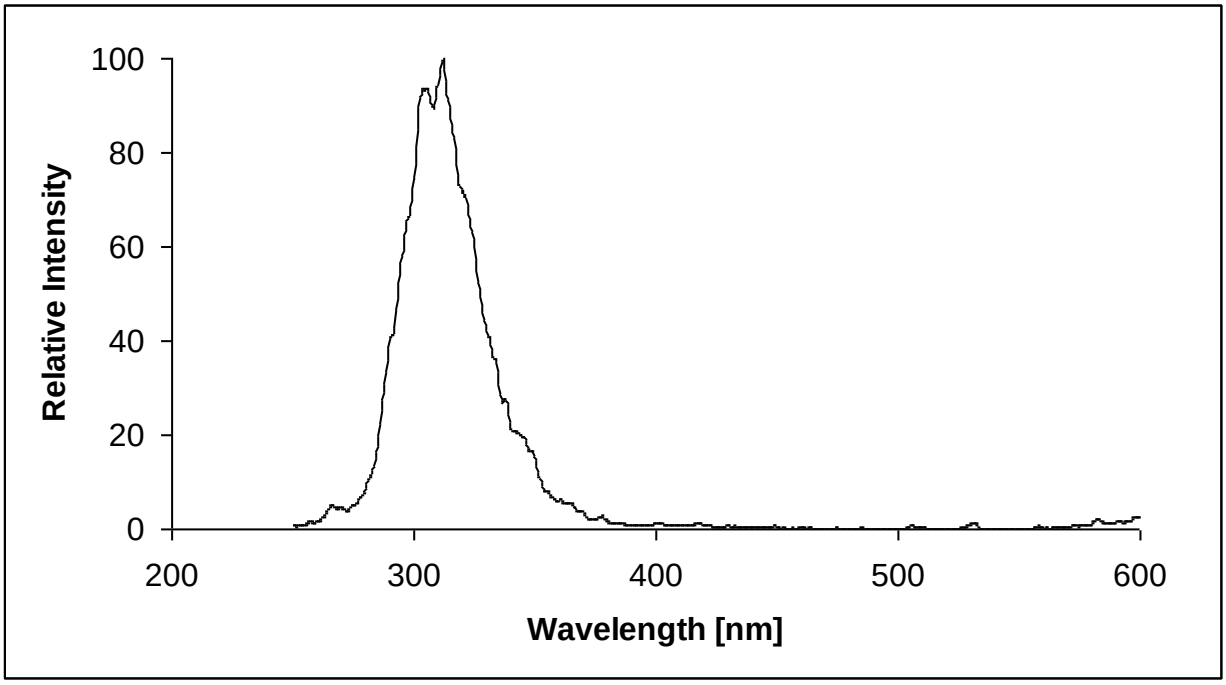




λ exc.	253.7 nm
Formula	$C_{12}H_{10}$
M.W.	154 u
H/H+C	0.455
m.p.	°C
m.a.c. (266 nm)	0.7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

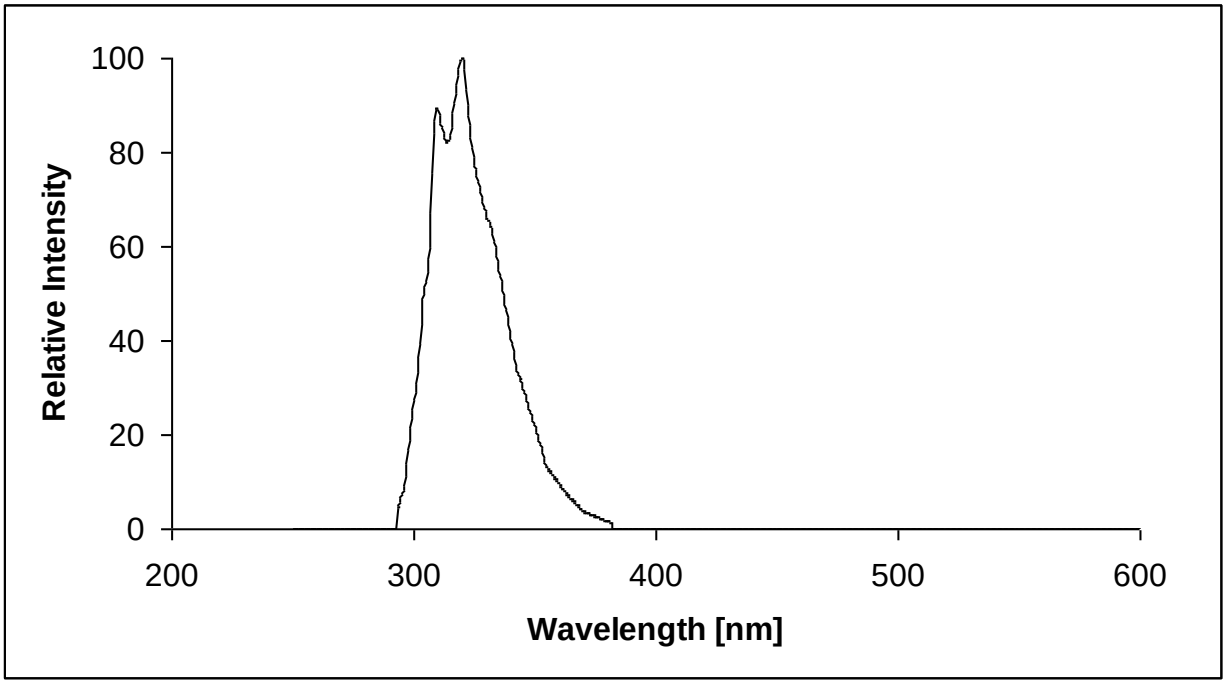
PBP0G Biphenyl (2)





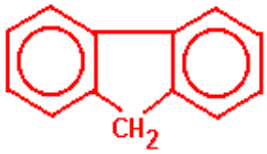
λ exc.	266 nm
Formula	$C_{12}H_{10}$
M.W.	154 u
H/H+C	0.455
m.p.	°C
m.a.c. (266 nm)	0.7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase
source	CNPM

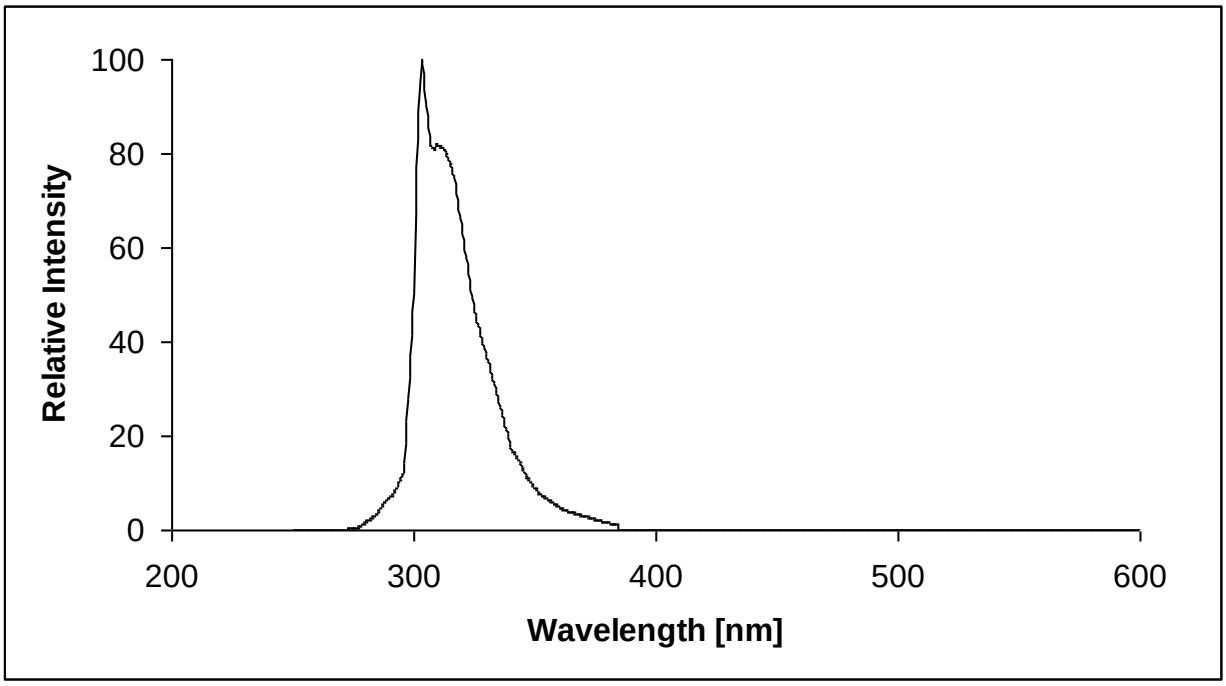
PBPB 4 – Benzylbiphenyl



λ exc.	265 nm
Formula	$C_{19}H_{16}$
M.W.	244 u
H/H+C	0.457
m.p.	°C
m.a.c. (266 nm)	1.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

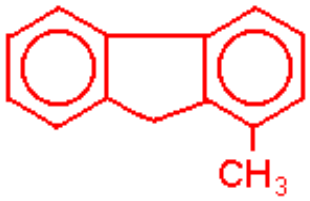
PBPF 9H – Fluorene

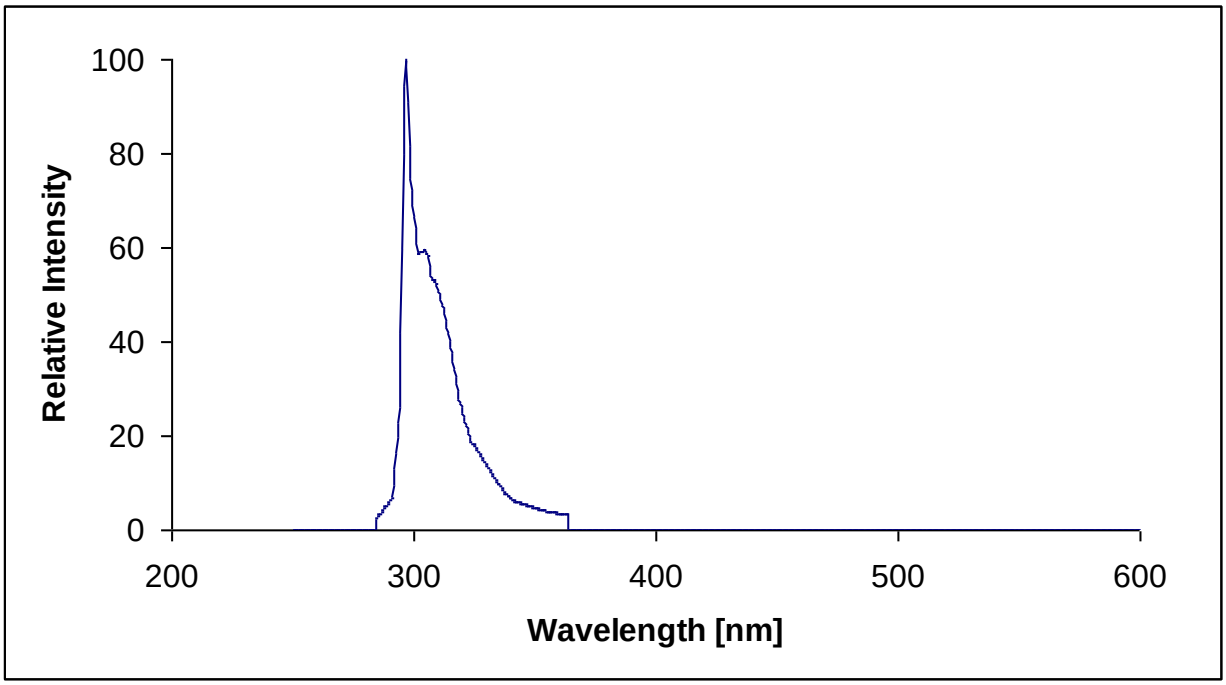




λ exc.	262 nm
Formula	$C_{13}H_{10}$
M.W.	166 u
H/H+C	0.435
m.p.	115°C
m.a.c. (266 nm)	1.95 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 108-II

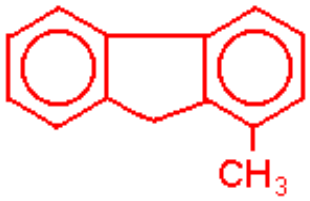
PBPFM1 1 – Methylfluorene(1)

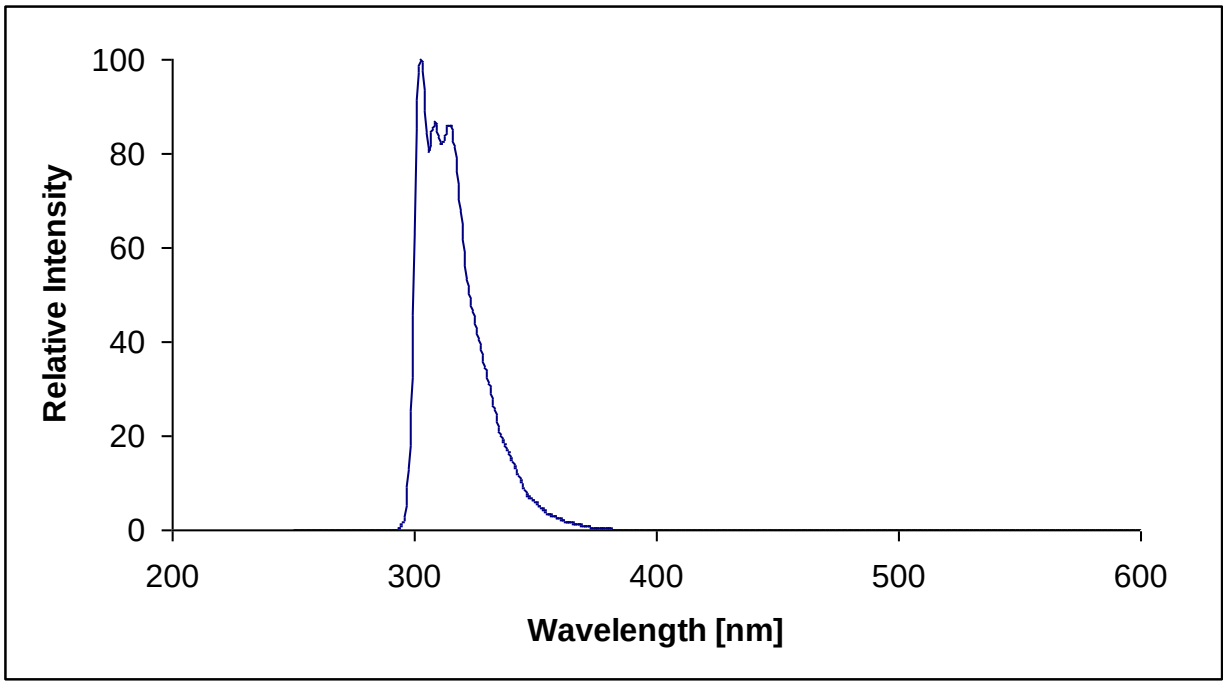




λ exc.	265.5 nm
Formula	$C_{14}H_{12}$
M.W.	180 u
H/H+C	0.462
m.p.	85°C
m.a.c. (266 nm)	2.11 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 662 - III

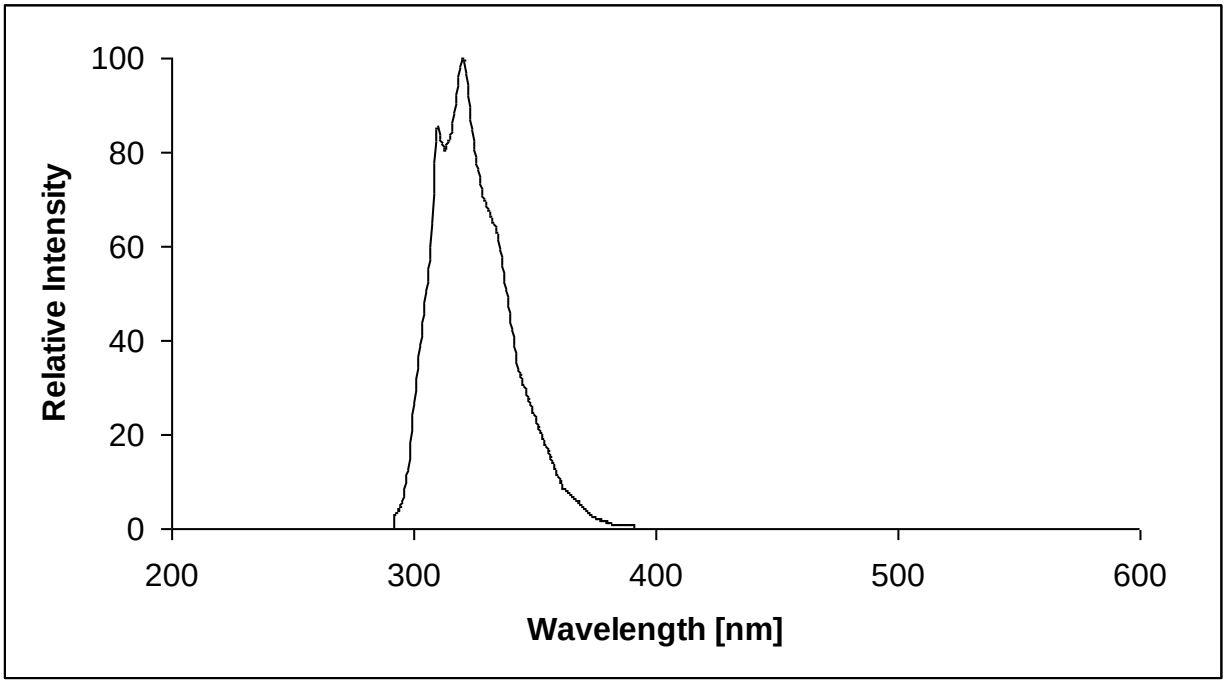
PBPFM2 1 – Methylfluorene(2)





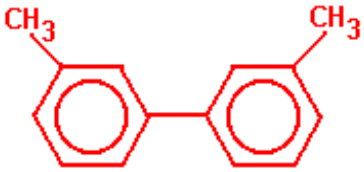
λ exc.	265.5 nm
Formula	$C_{14}H_{12}$
M.W.	180 u
H/H+C	0.462
m.p.	85°C
m.a.c. (266 nm)	2.11 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

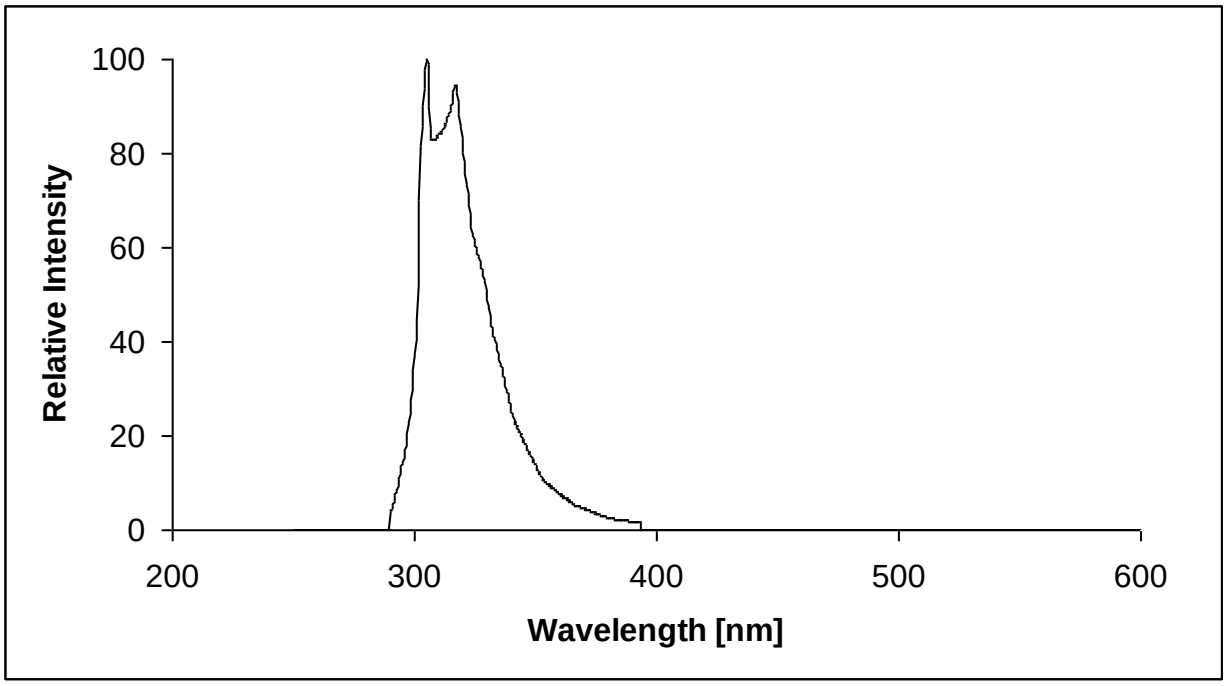
PBPM 4 – Methylbiphenyl



λ exc.	265 nm
Formula	$C_{13}H_{12}$
M.W.	168 u
H/H+C	0.480
m.p.	°C
m.a.c. (266 nm)	0.110 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

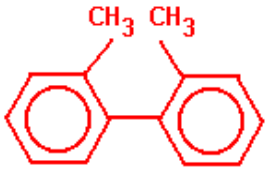
PBPMJ 3,3' – Dimethylbiphenyl

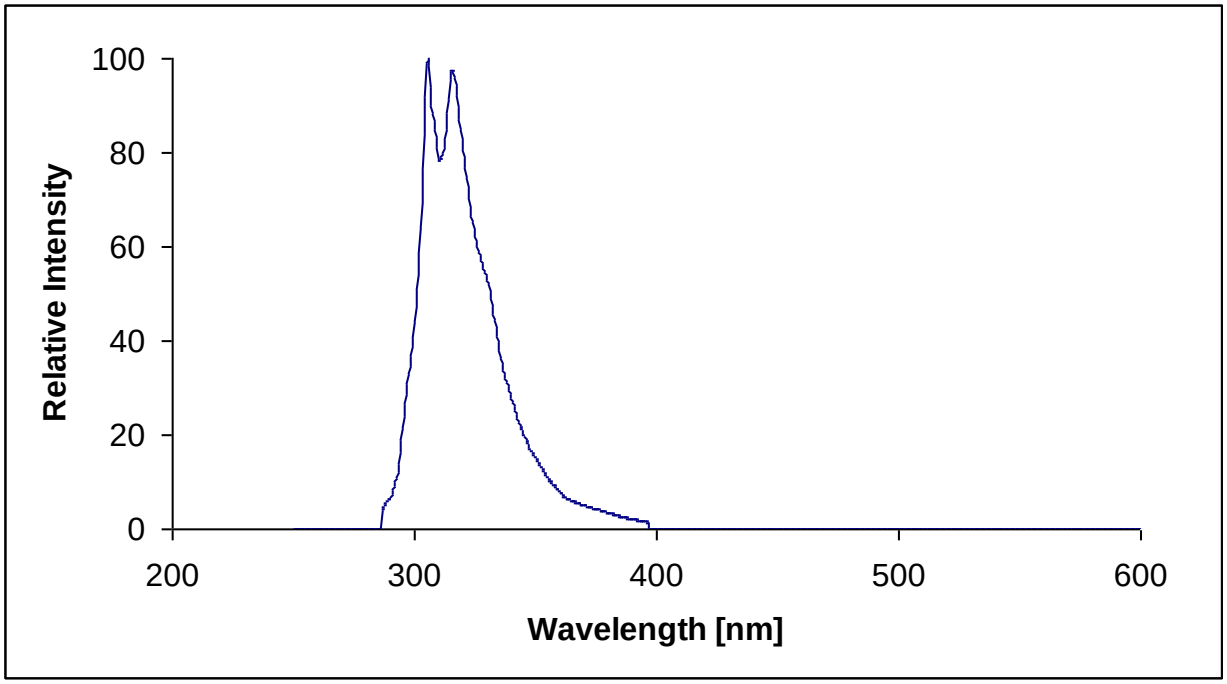




λ exc.	265 nm
Formula	$C_{14}H_{14}$
M.W.	182 u
H/H+C	0.500
m.p.	°C
m.a.c. (266 nm)	0.65 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

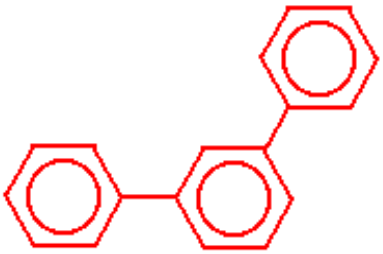
PBPMK 2,2' – Dimethylbiphenyl

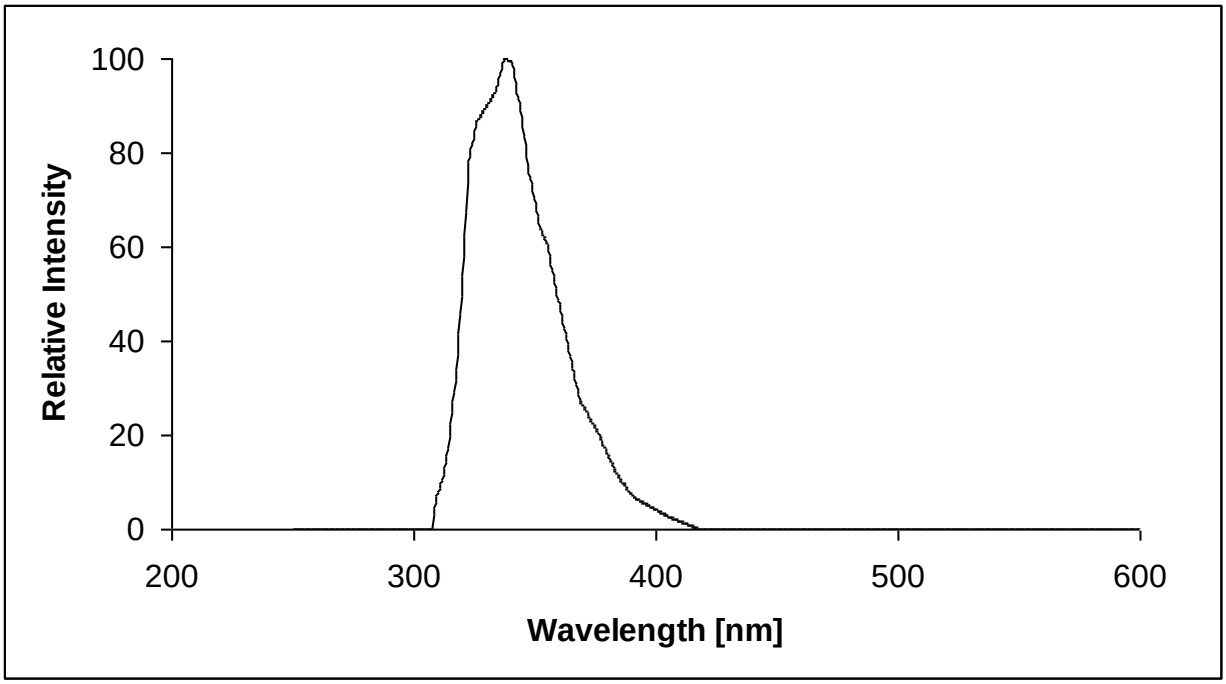




λ exc.	265 nm
Formula	$C_{14}H_{14}$
M.W.	182 u
H/H+C	0.500
m.p.	°C
m.a.c. (266 nm)	0.105 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

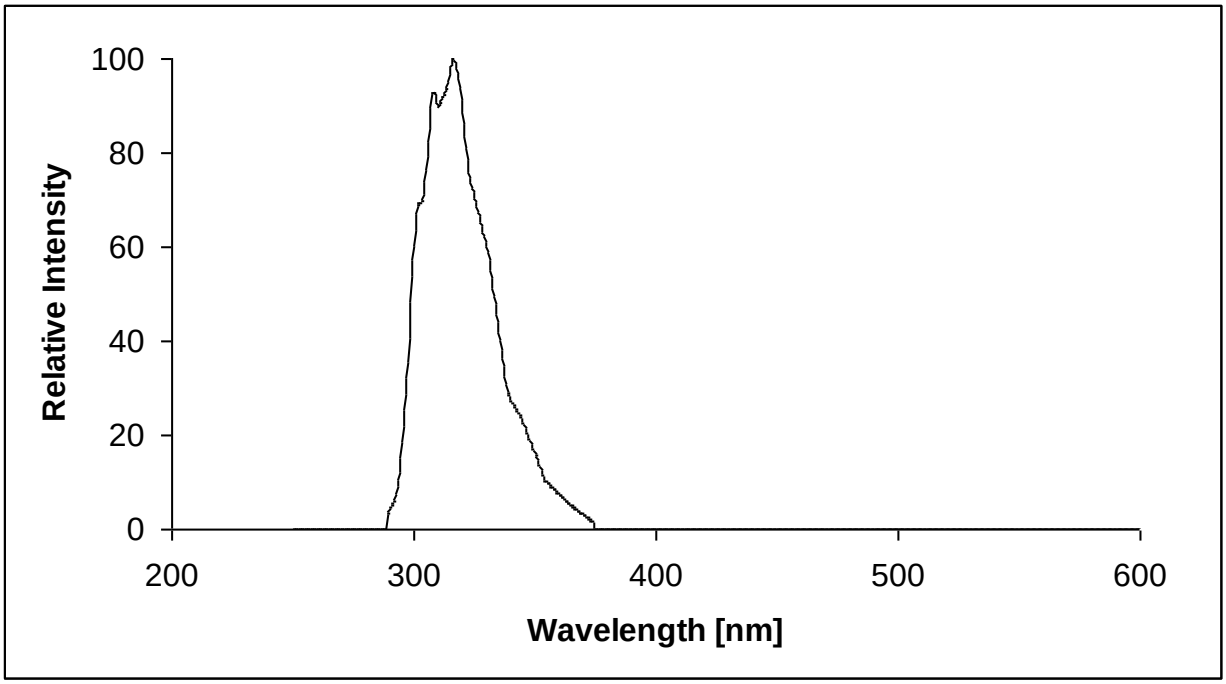
PBPP m-Terphenyl





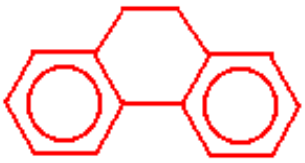
λ exc.	253.7 nm
Formula	$C_{18}H_{14}$
M.W.	230 u
H/H+C	0.438
m.p.	°C
m.a.c. (266 nm)	2.1 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

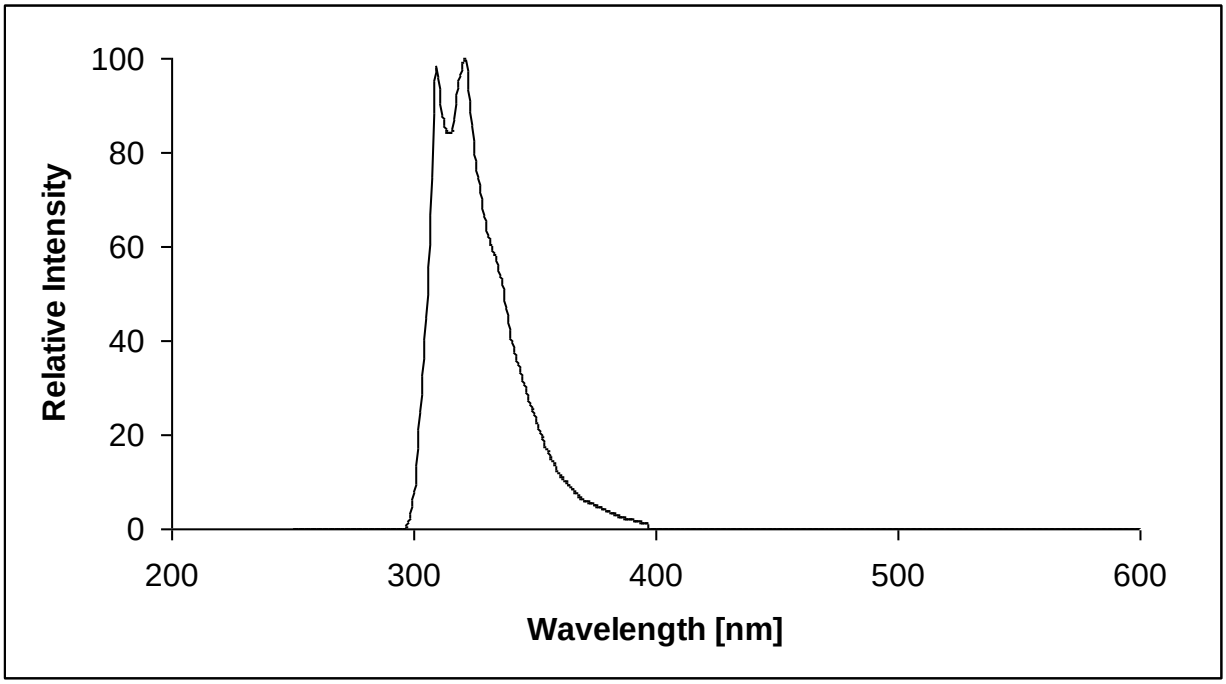
PBPR Monoisopropylbiphenyl



λ exc.	265 nm
Formula	$C_{15}H_{16}$
M.W.	196 u
H/H+C	0.516
m.p.	°C
m.a.c. (266 nm)	1 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

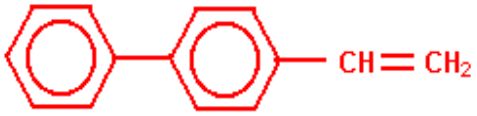
PBPT 9,10 – Dihydrophenanthrene

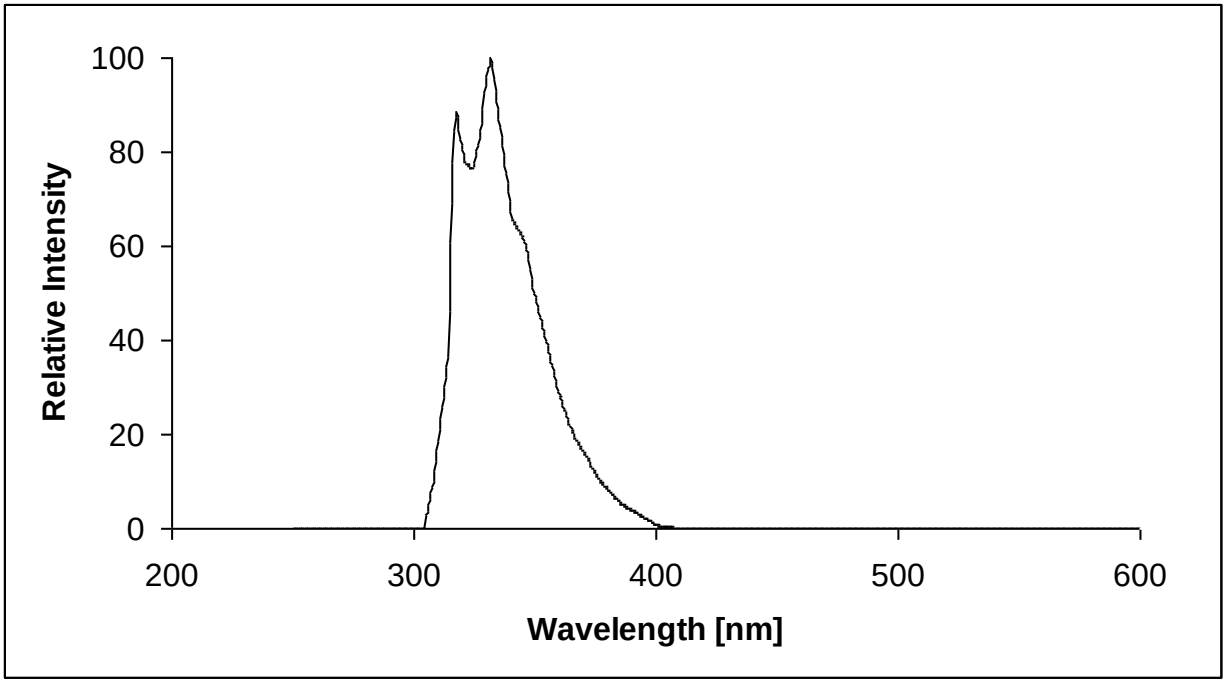




λ exc.	265 nm
Formula	$C_{14}H_{12}$
M.W.	180 u
H/H+C	0.462
m.p.	°C
m.a.c. (266 nm)	1.75 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

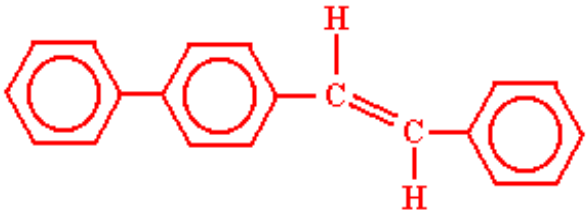
PBPV 4 – Vinylbiphenyl

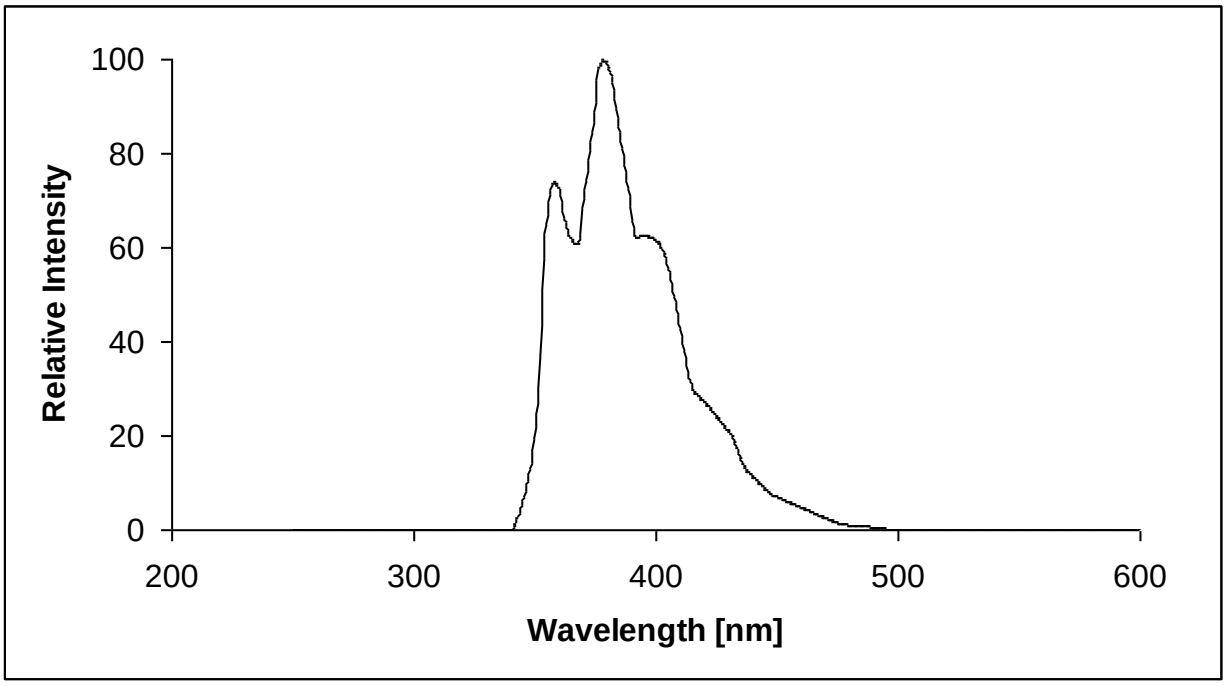




λ exc.	303 nm
Formula	$C_{14}H_{12}$
M.W.	180 u
H/H+C	0.462
m.p.	°C
m.a.c. (266 nm)	2.55 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

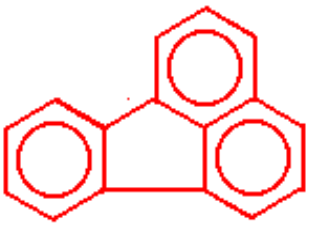
PBPZ Trans-1-(4-biphenyl)-2-phenylethylene

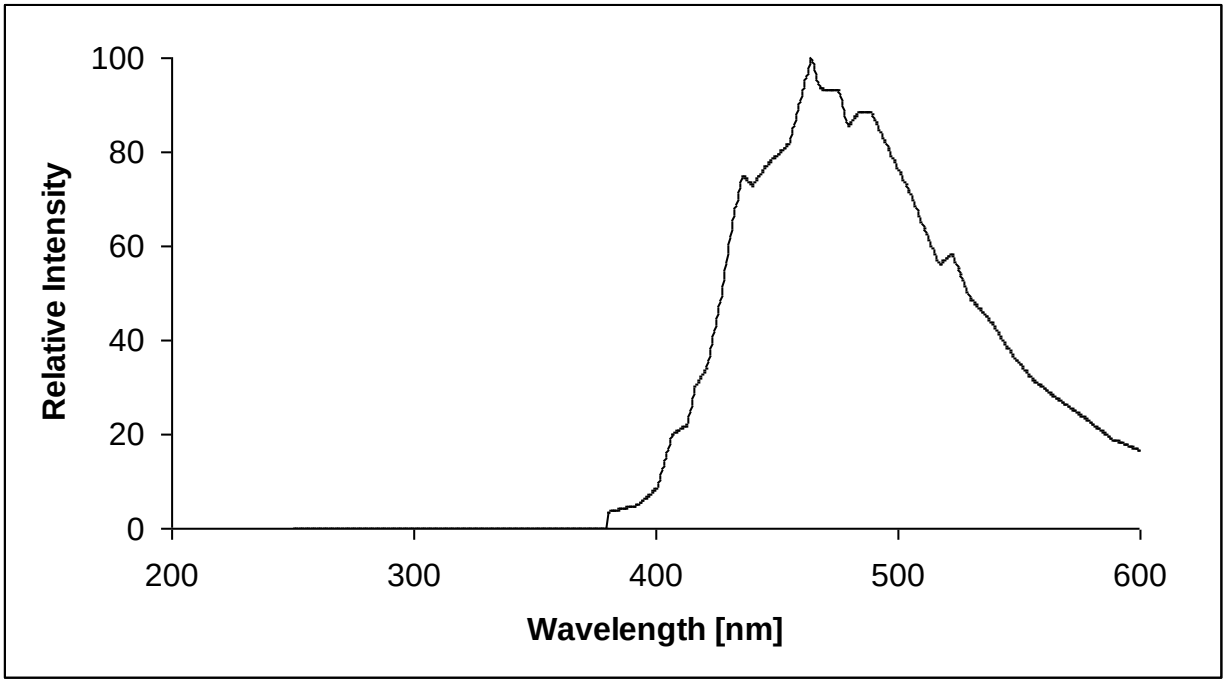




λ exc.	313 nm
Formula	$C_{20}H_{16}$
M.W.	256 u
H/H+C	0.444
m.p.	°C
m.a.c. (266 nm)	0.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

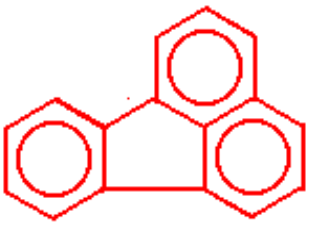
PFL31 Fluoranthene(1)

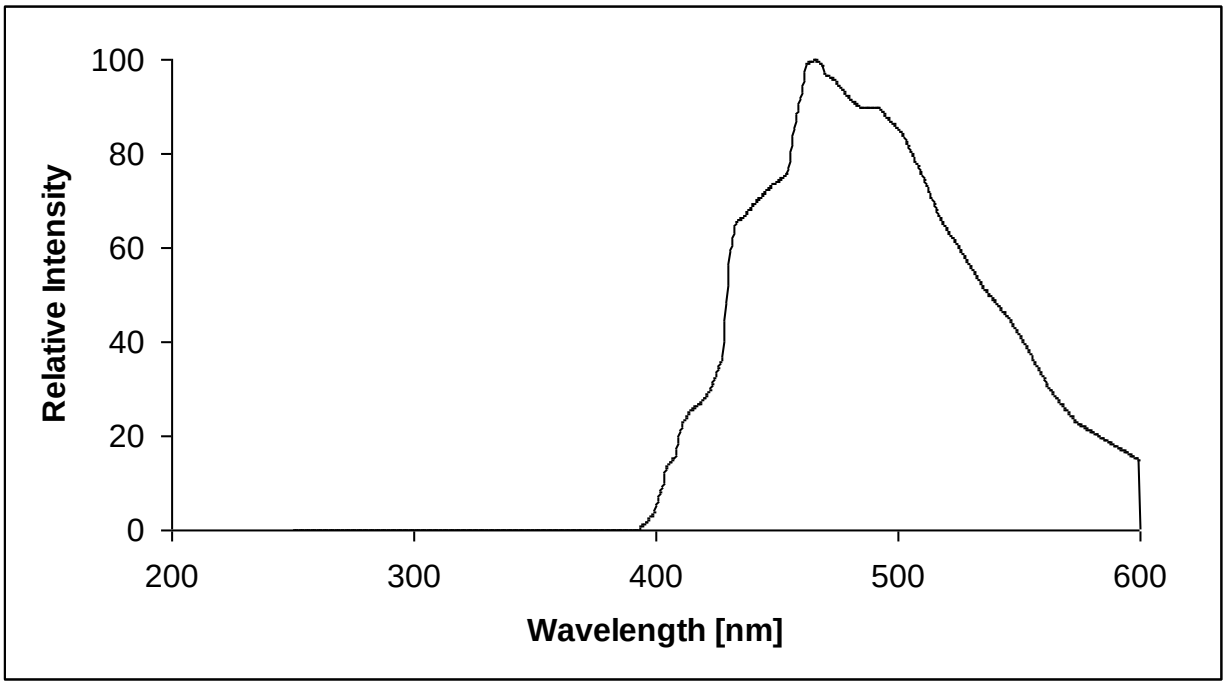




λ exc.	288 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	108.8°C
m.a.c. (266 nm)	0.95 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 74-I

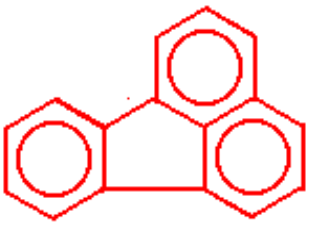
PFL32 Fluoranthene(2)

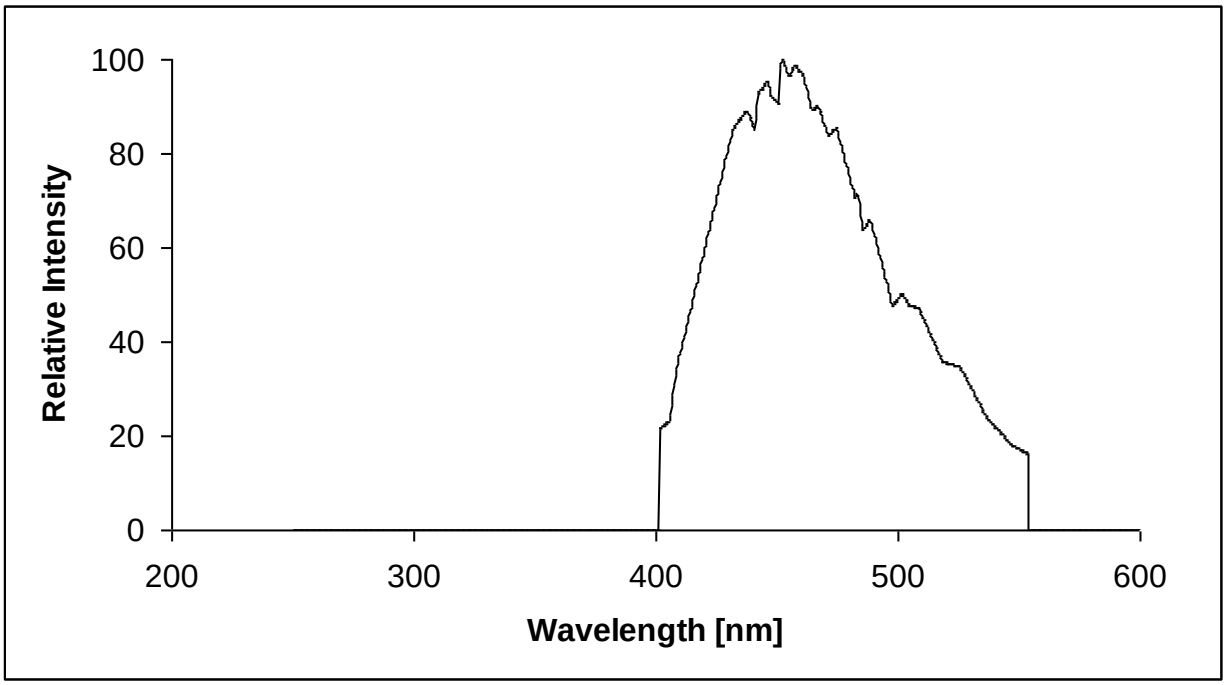




λ exc.	365 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

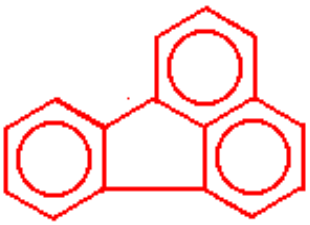
PFL3G1 Fluoranthene(3)

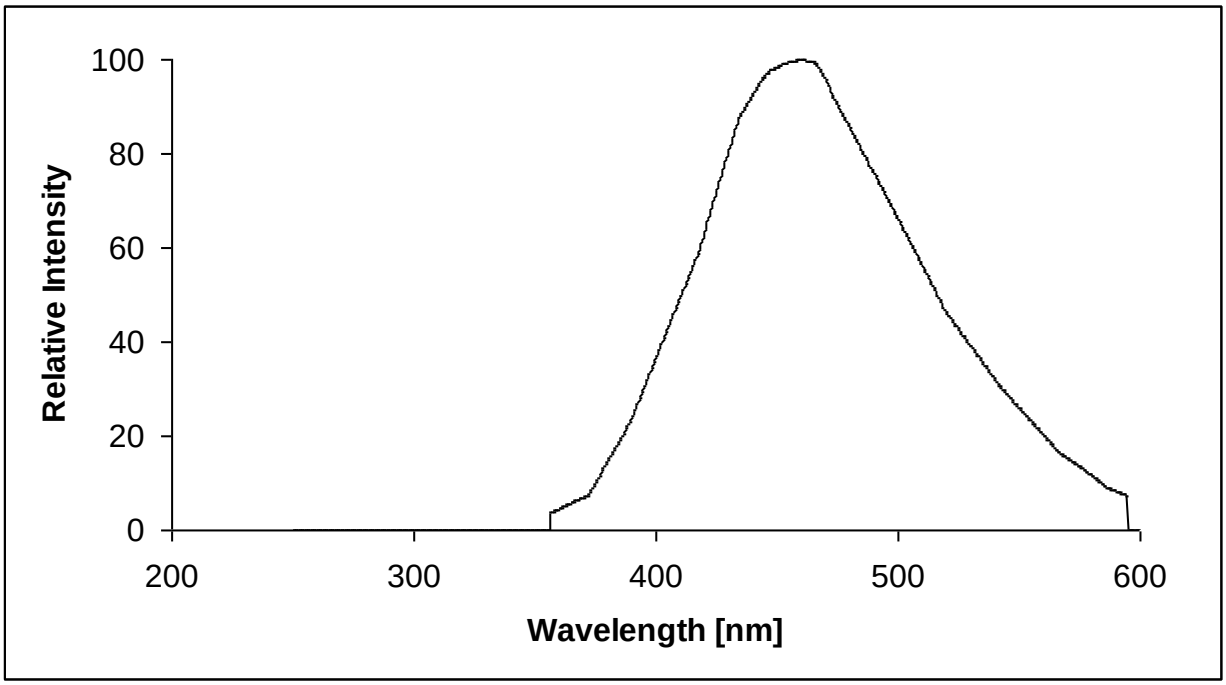




λ exc.	337.1 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	108.8°C
m.a.c. (266 nm)	0.96 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 298-378 K
source	[2]

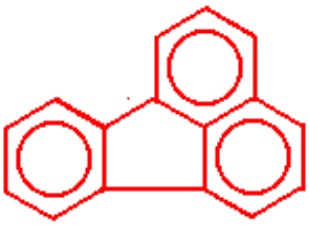
PFL3G2 Fluoranthene(4)

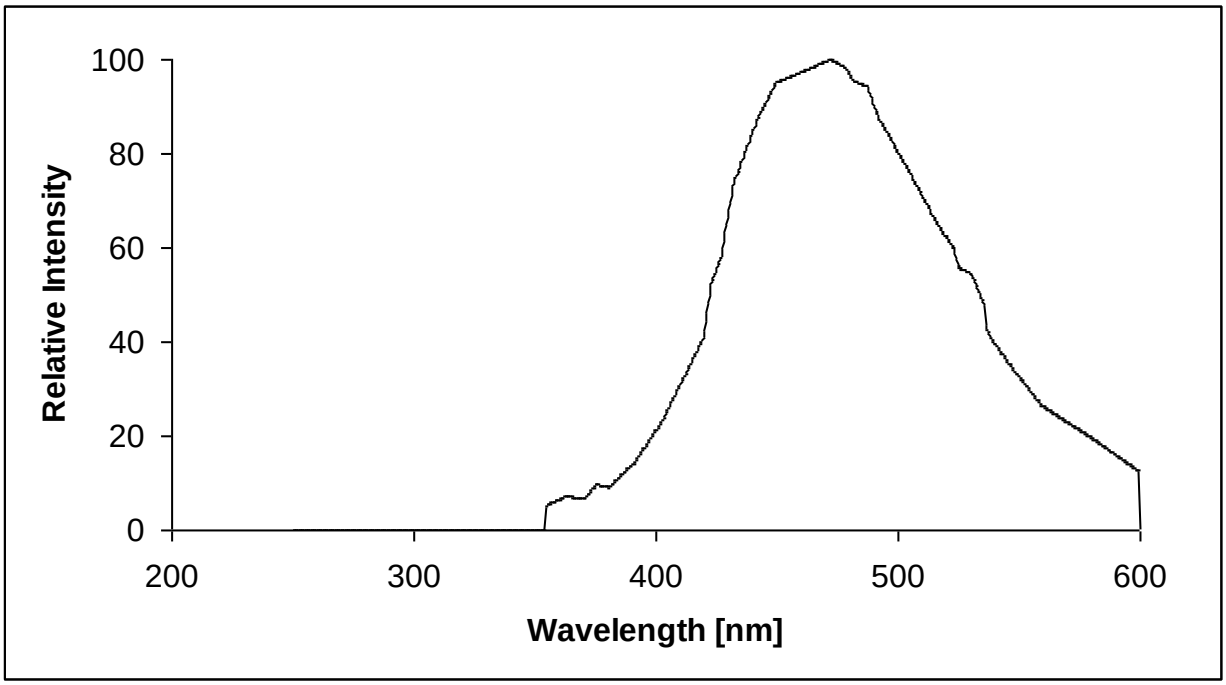




λ exc.	337.1 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	108.8°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 412-438 K
source	[12]

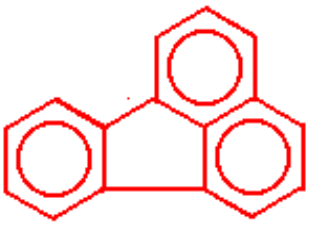
PFL3G3 Fluoranthene(5)

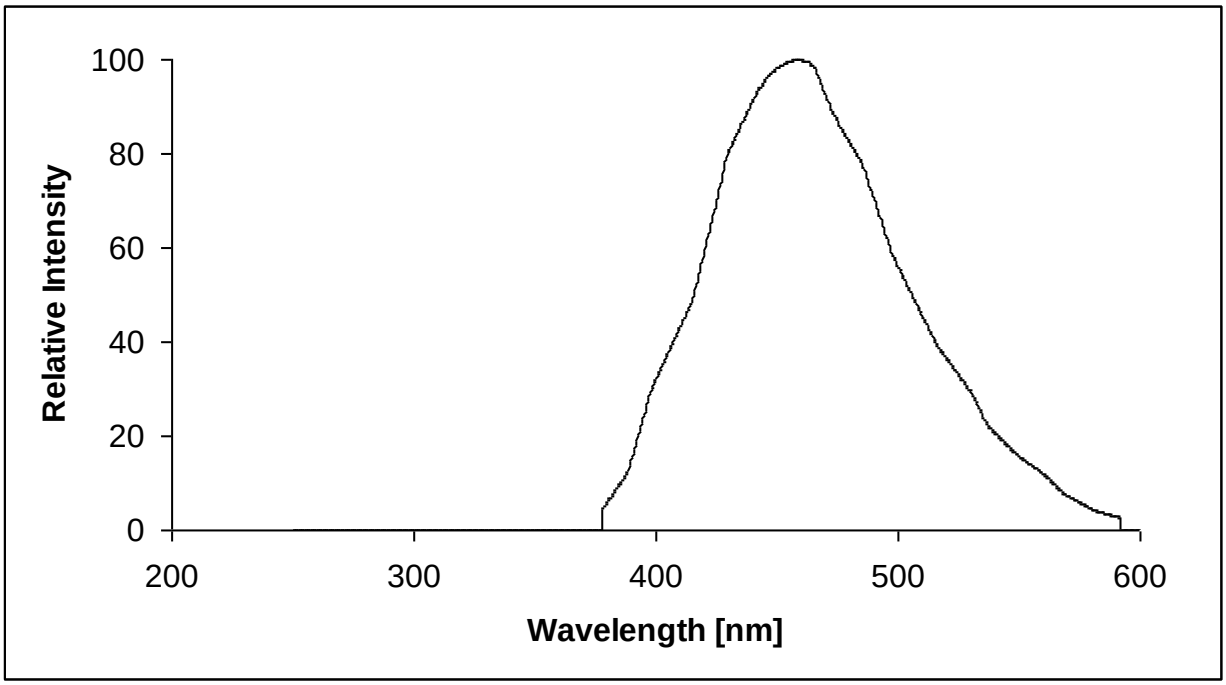




λ exc.	337 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	108.8°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 516 K
source	[1]

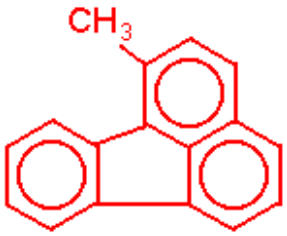
PFL3G4 Fluoranthene(6)

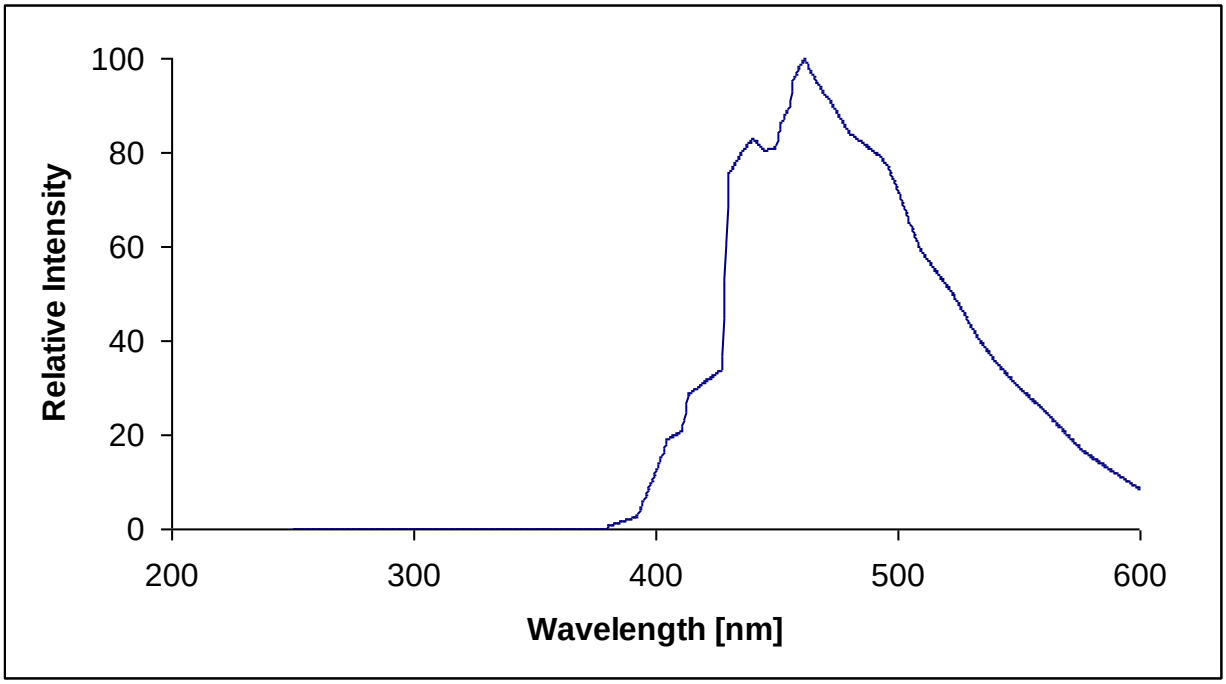




λ exc.	337 nm
Formula	$C_{16}H_{10}$
M.W.	202 u
H/H+C	0.385
m.p.	108.8°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Gas phase 412-438 K
source	[12]

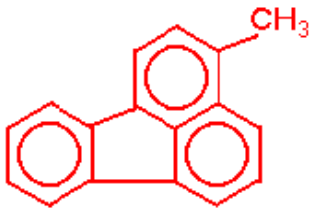
PFL3MA 1 – Methylfluoranthene

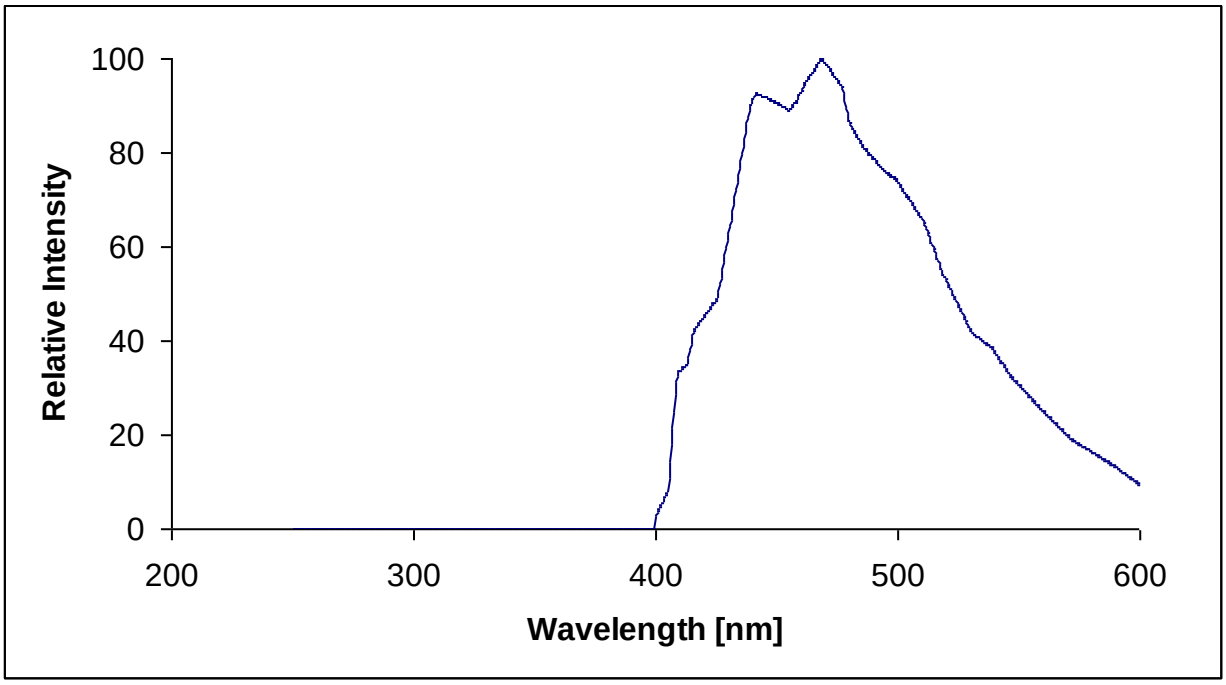




λ exc.	345.5 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	72-73°C
m.a.c. (266 nm)	1.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pag. 842 -III

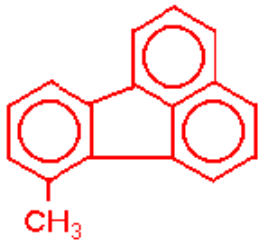
PFL3MB 3 – Methylfluoranthene

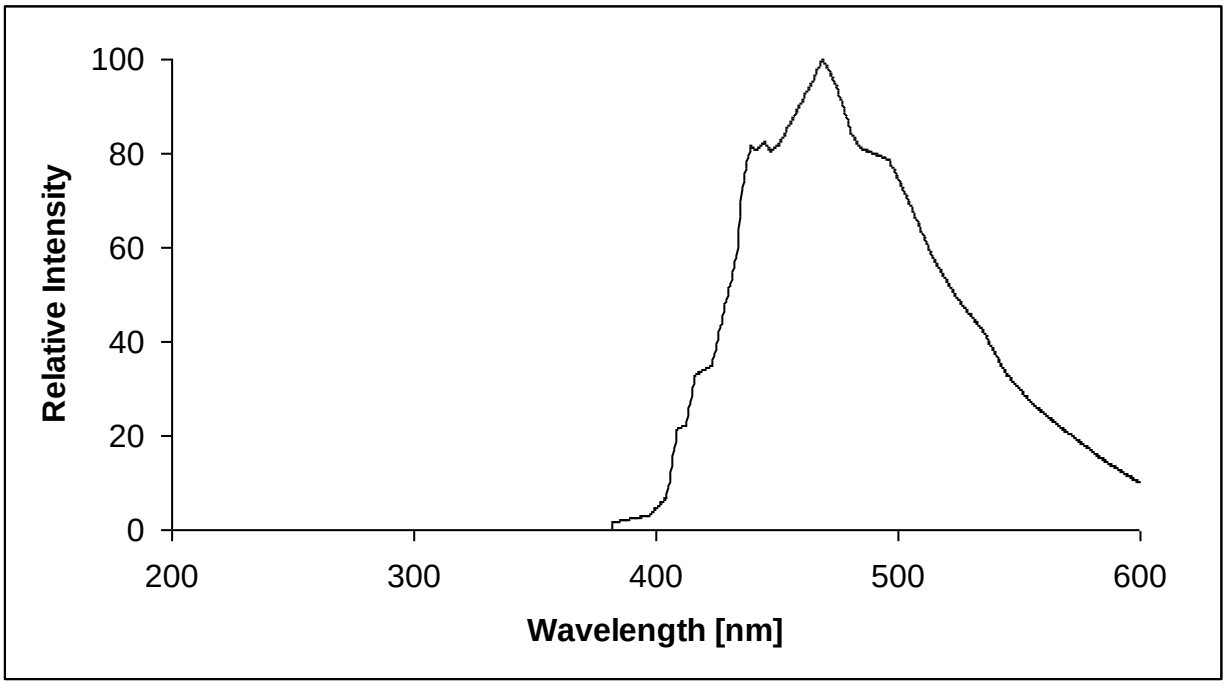




λ exc.	345 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	66-68°C
m.a.c. (266 nm)	0.8 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 860-III

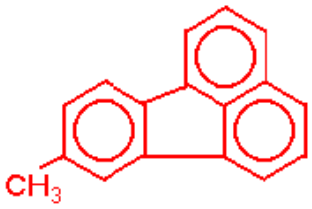
PFL3MC 7 – Methylfluoranthene

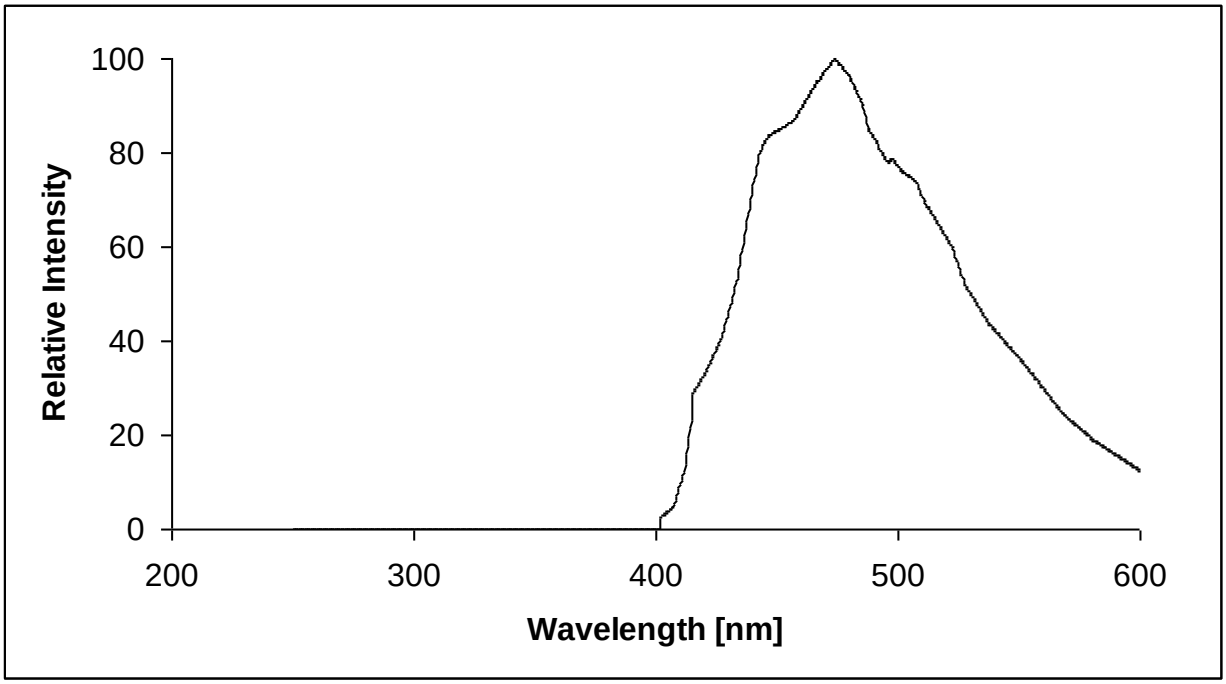




λ exc.	348 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	136-137°C
m.a.c. (266 nm)	1.55 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 878-III

PFL3MD 8 – Methylfluoranthene

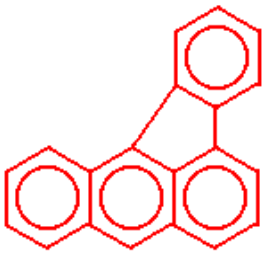


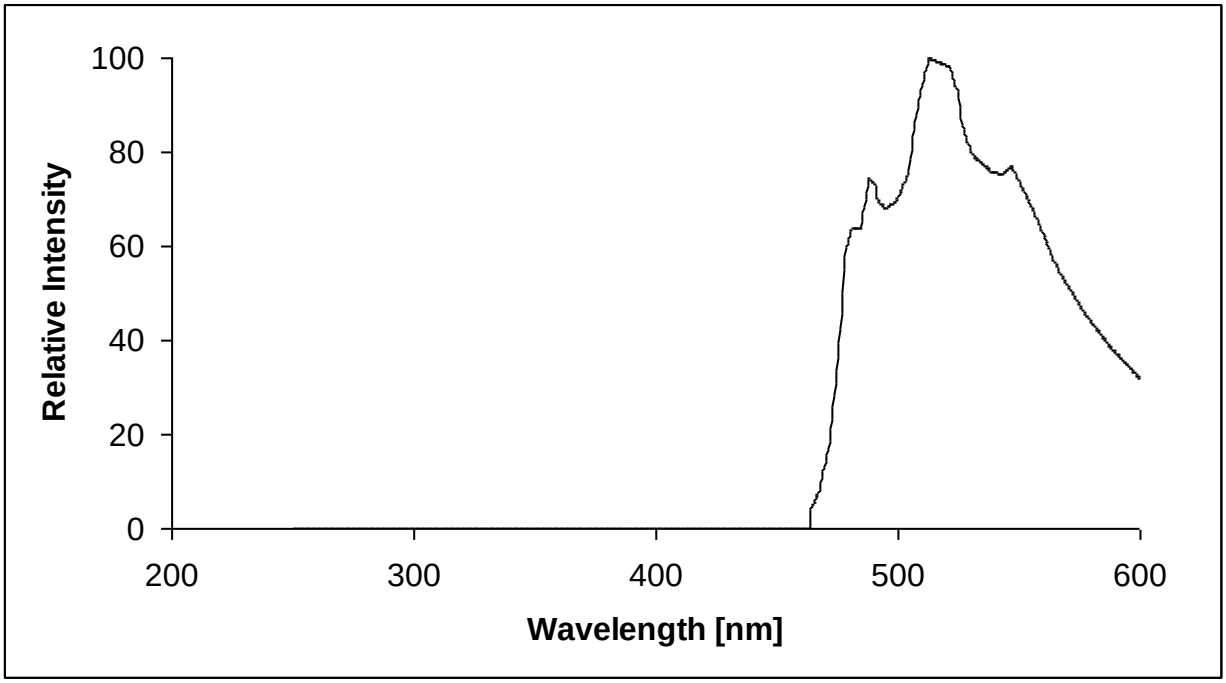


λ exc.	354 nm
Formula	$C_{17}H_{12}$
M.W.	216 u
H/H+C	0.414
m.p.	93-94°C
m.a.c. (266 nm)	0.82 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 896-III

PFL4A — Benz(a)aceanthrylene

Benzo(a)fluoranthene

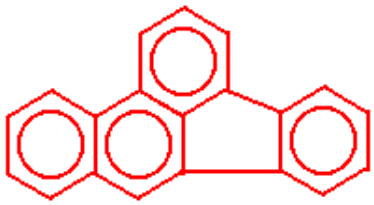


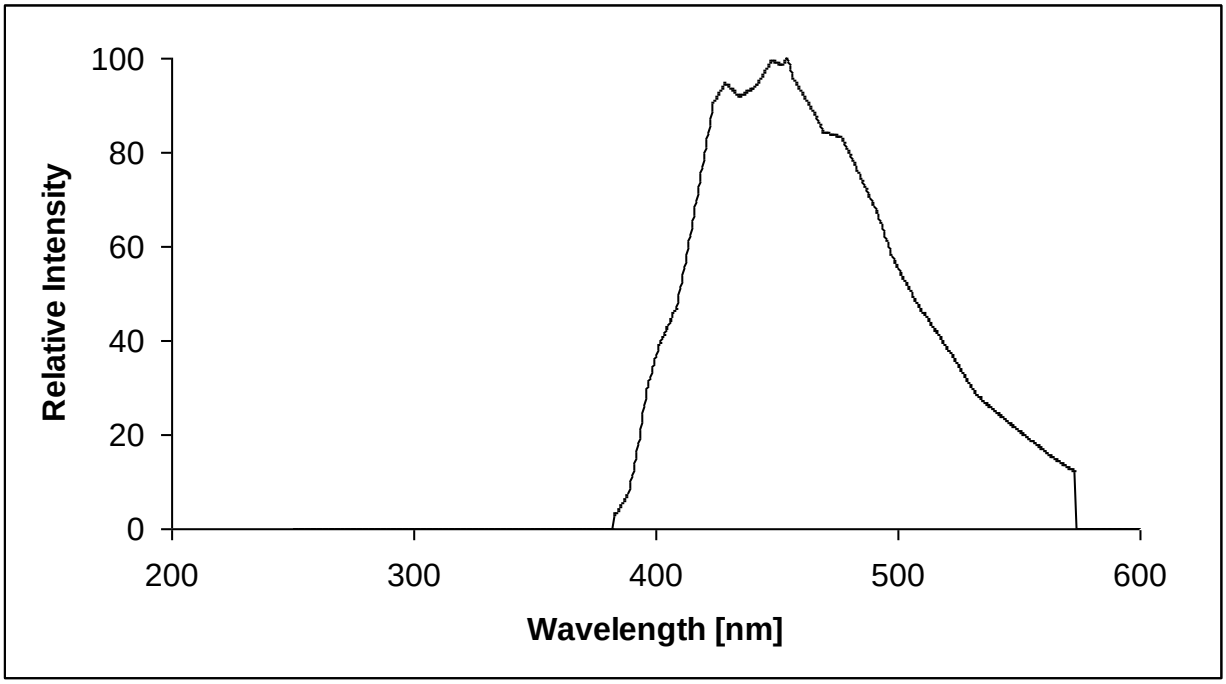


λ exc.	388 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	146.3°C
m.a.c. (266 nm)	5.89 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 460-I

PFL4B Benz(a)acephenanthrylene

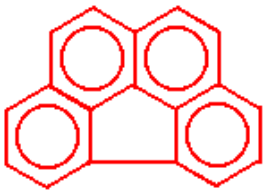
Benzo(b)fluoranthene

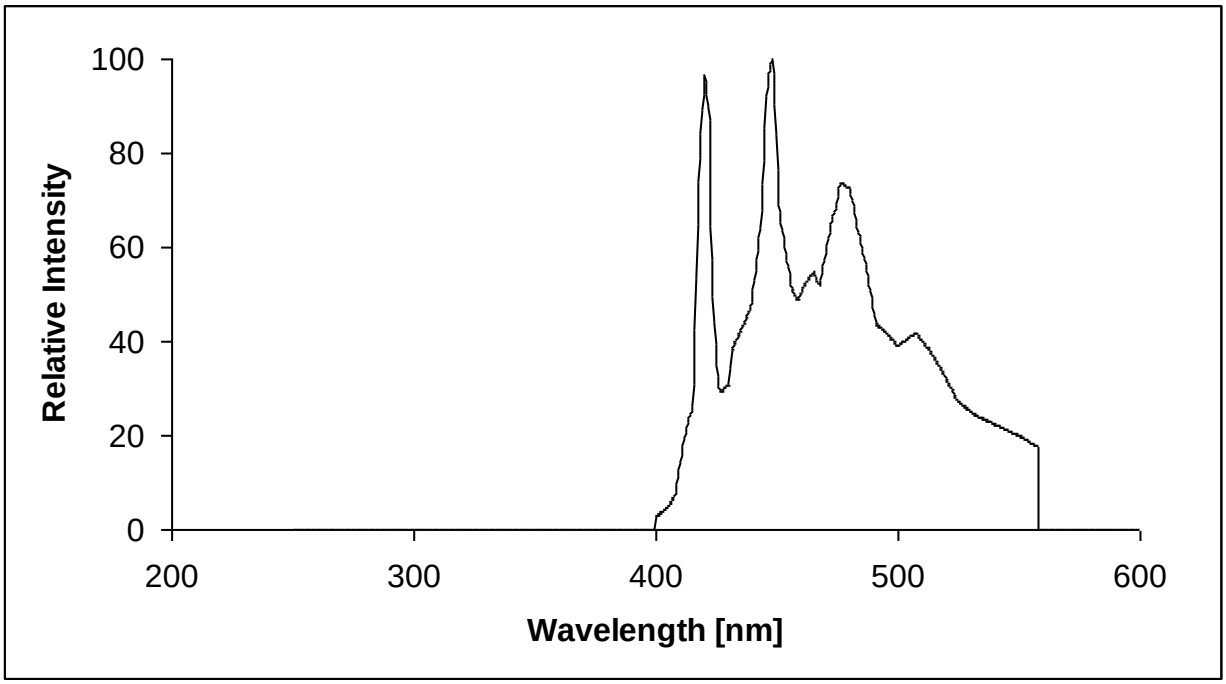




λ exc.	302 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	168.3°C
m.a.c. (266 nm)	2.5 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 478-I

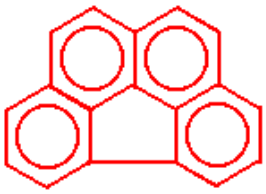
PFL4H1 Benzo(ghi)fluoranthene (1)

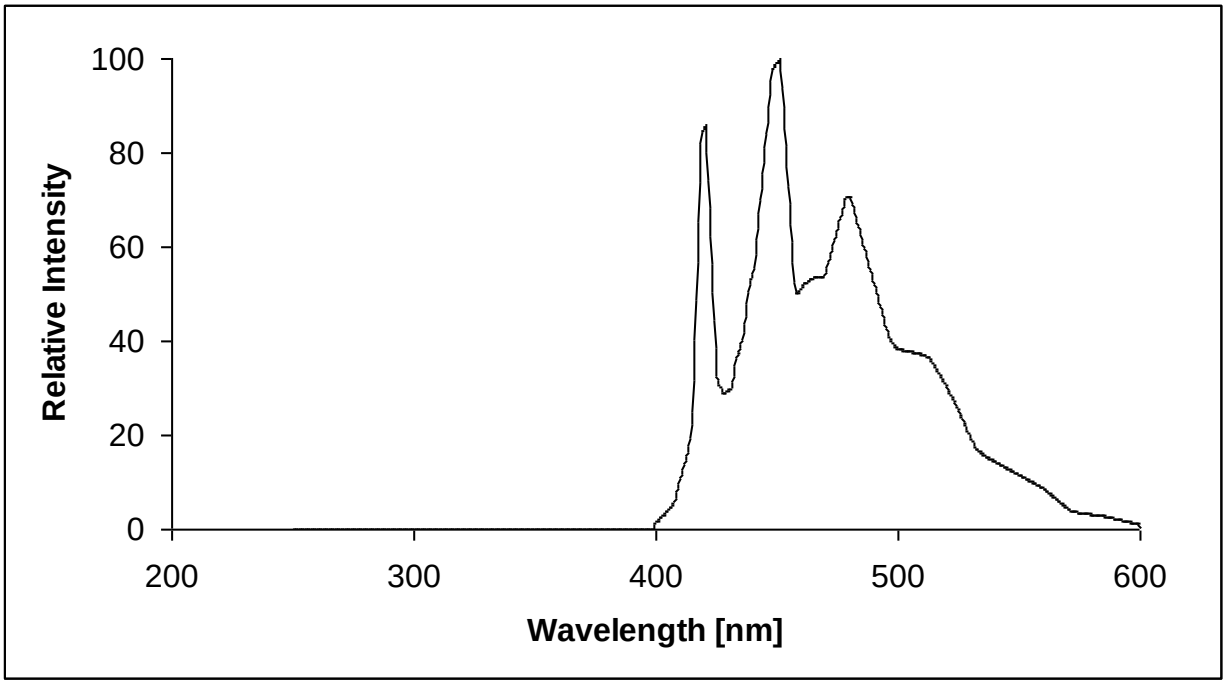




λ exc.	291 nm
Formula	$C_{18}H_{10}$
M.W.	226 u
H/H+C	0.357
m.p.	128.4°C
m.a.c. (266 nm)	1.9 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 170-I

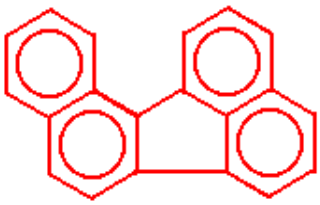
PFL4H2 Benzo(ghi)fluoranthene (2)

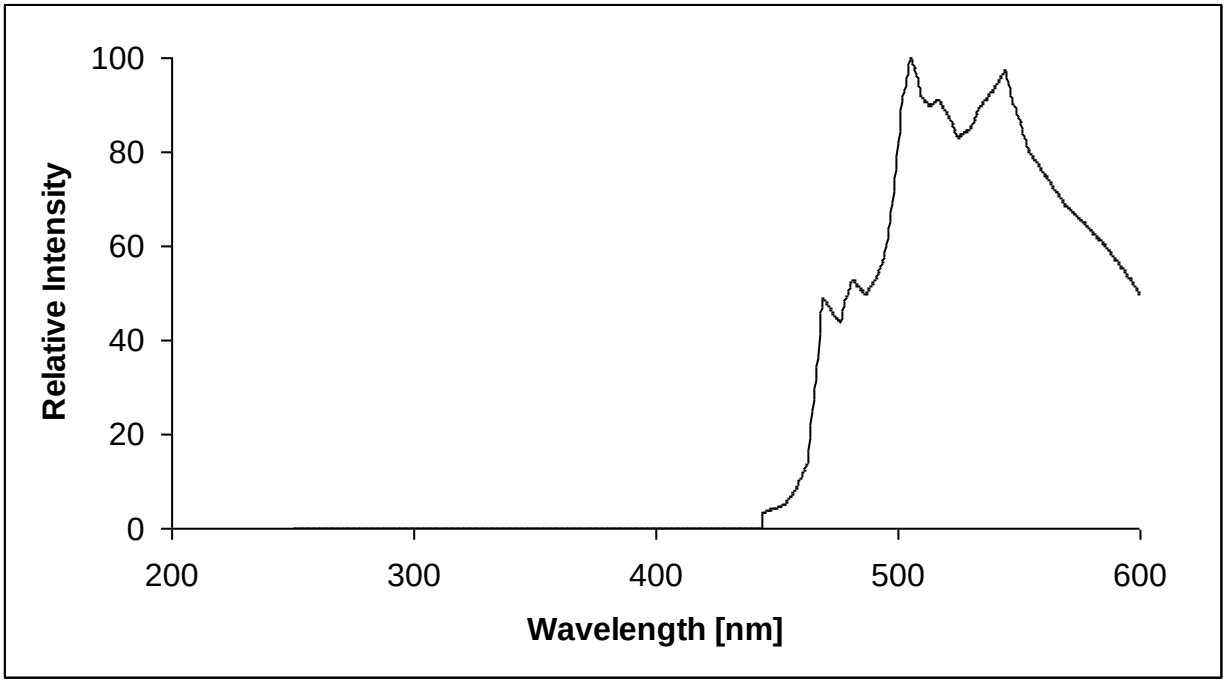




λ exc.	365 nm
Formula	$C_{18}H_{10}$
M.W.	226 u
H/H+C	0.357
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

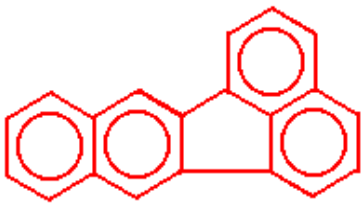
PFL4J Benzo(j)fluoranthene

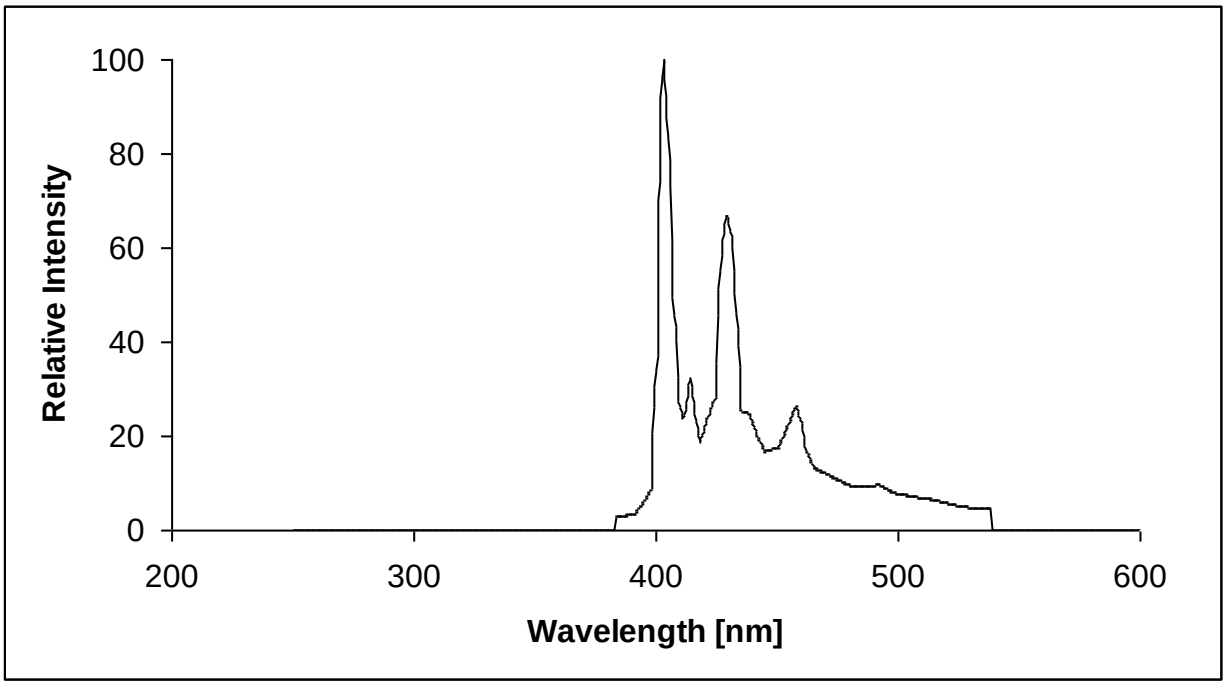




λ exc.	319 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	165.4°C
m.a.c. (266 nm)	0.8 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 496-I

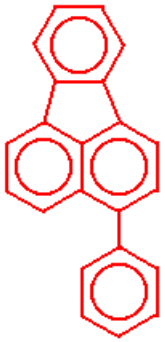
PFL4K Benzo(k)fluoranthene

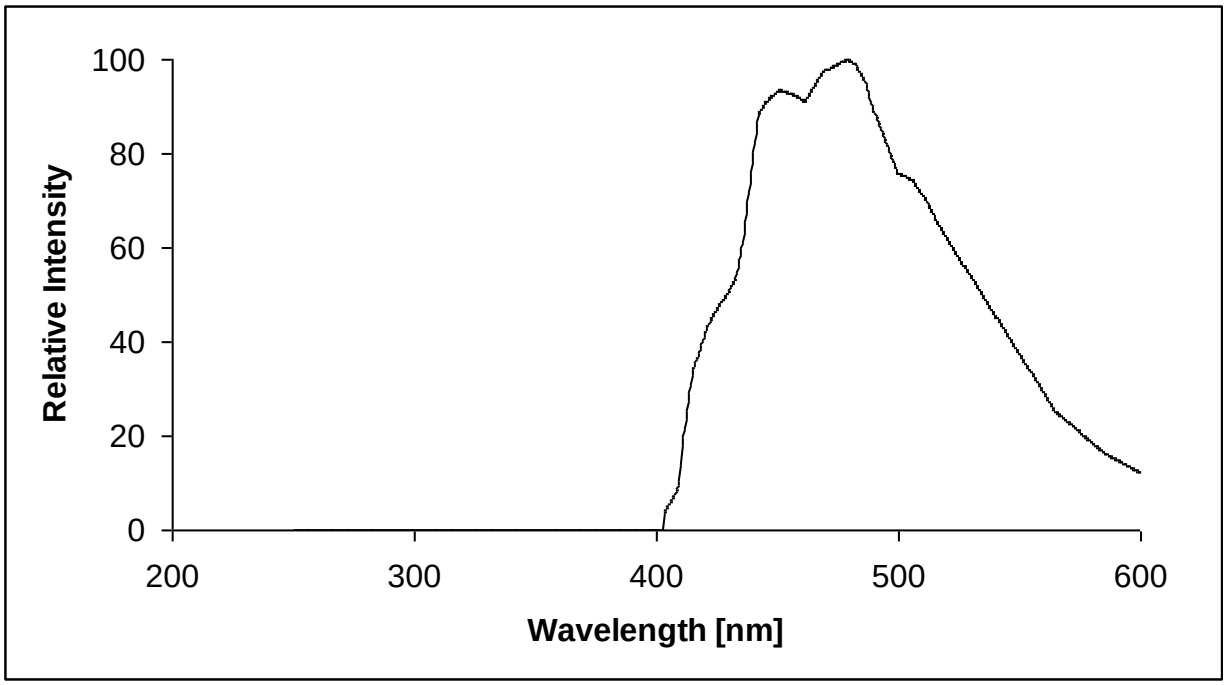




λ exc.	308 nm
Formula	$C_{20}H_{12}$
M.W.	252 u
H/H+C	0.375
m.p.	215.7°C
m.a.c. (266 nm)	1.7 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 514-I

PFL4P 3 – Phenylfluoranthene

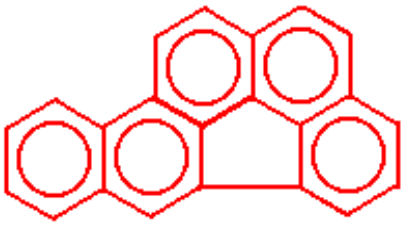


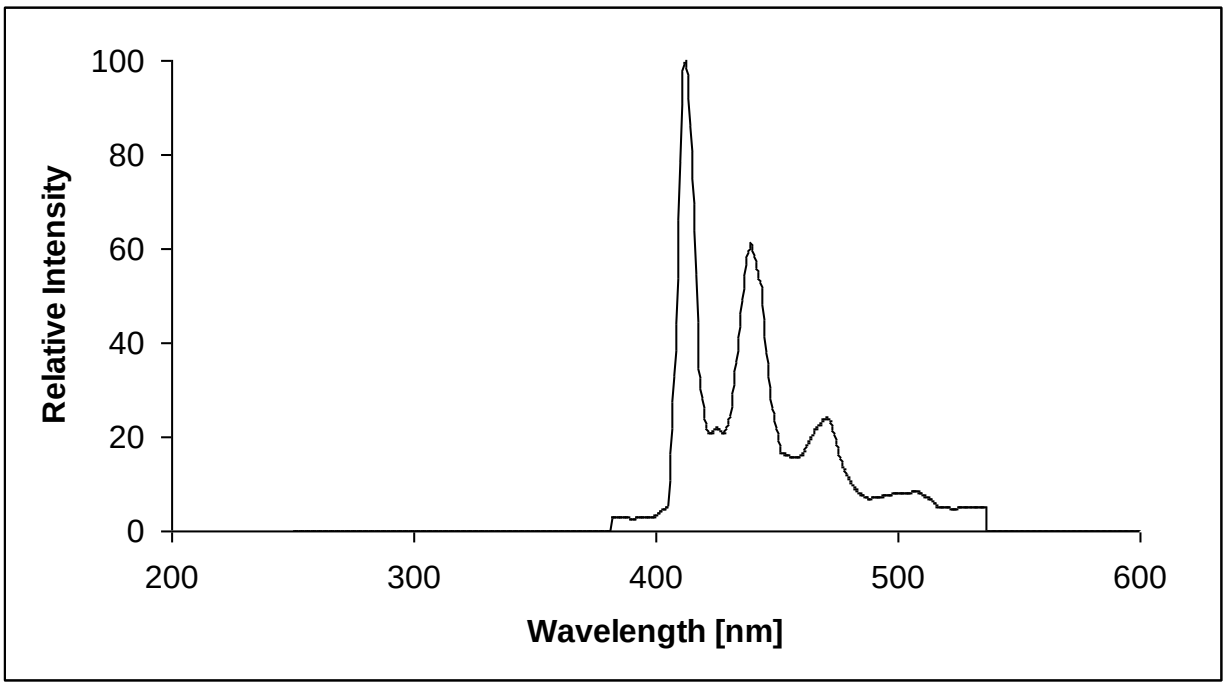


λ exc.	365 nm
Formula	$C_{22}H_{14}$
M.W.	278 u
H/H+C	0.389
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

PFL5B **Indeno(4,3,2,1-cdef)chrysene**

Bibenzo(k,mno)fluoranthene

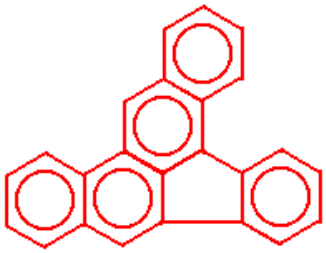


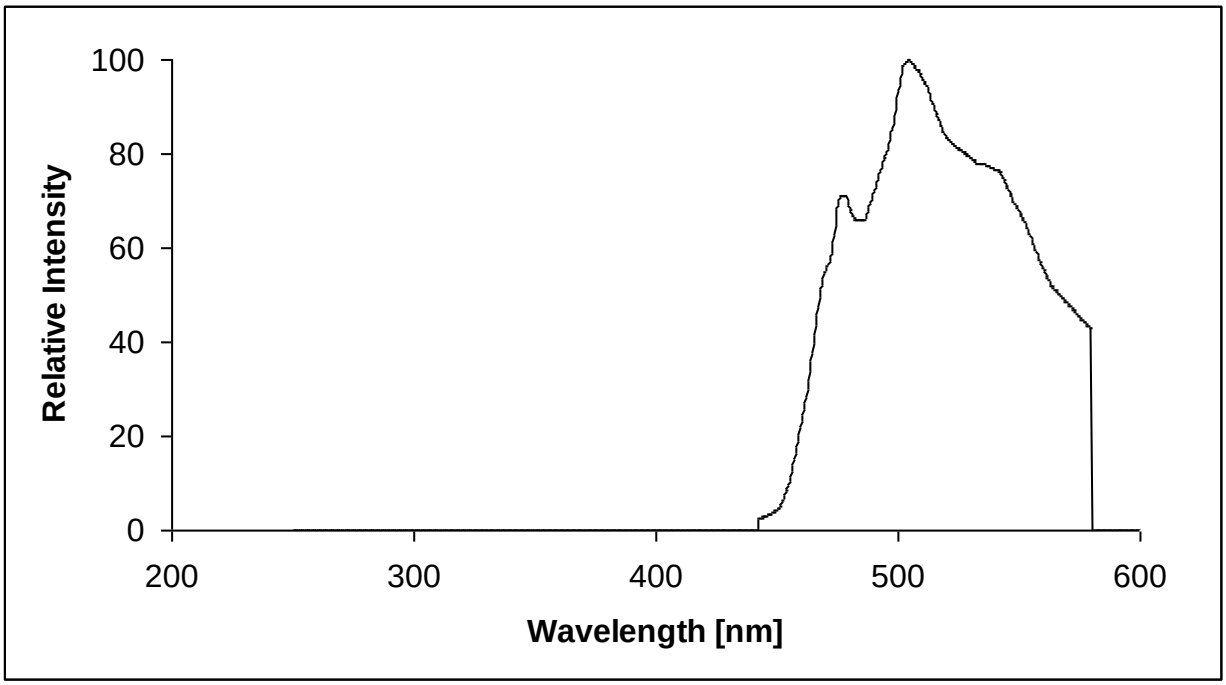


λ exc.	300 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	150°C
m.a.c. (266 nm)	4.29 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 572-II

PFL5C1 — Dibenz(a,e)aceanthrylene (1)

Dibenzo(a,e)fluoranthene (1)

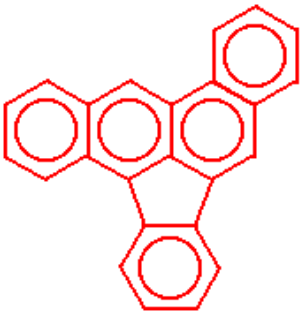


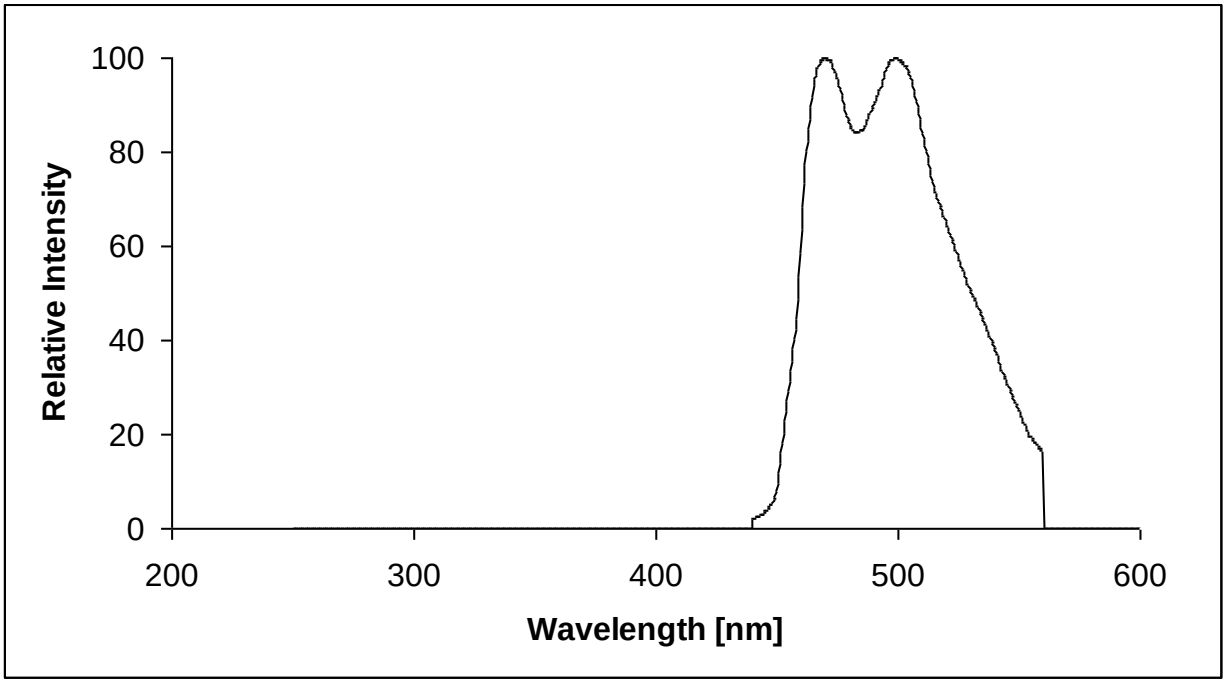


λ exc.	300 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	232°C
m.a.c. (266 nm)	4.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 738-II

PFL5C2 — Dibenz(a,e)aceanthrylene (2)

Dibenzo(a,e)fluoranthene (2)

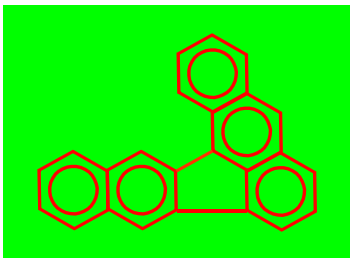


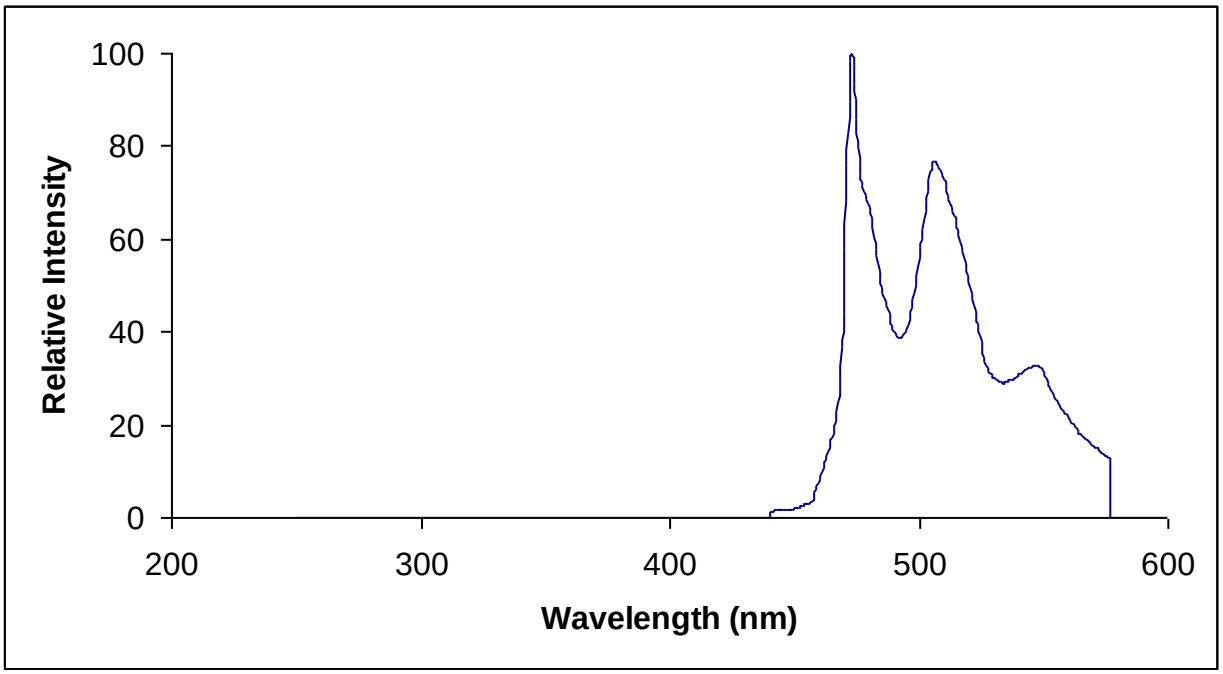


λ exc.	390 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	232°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[6]

PFL5D **Dibenzo(a,k)fluoranthene**

Naphth(2,3-a)aceanthrylene

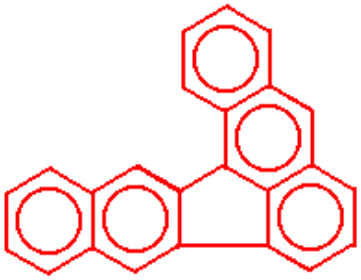


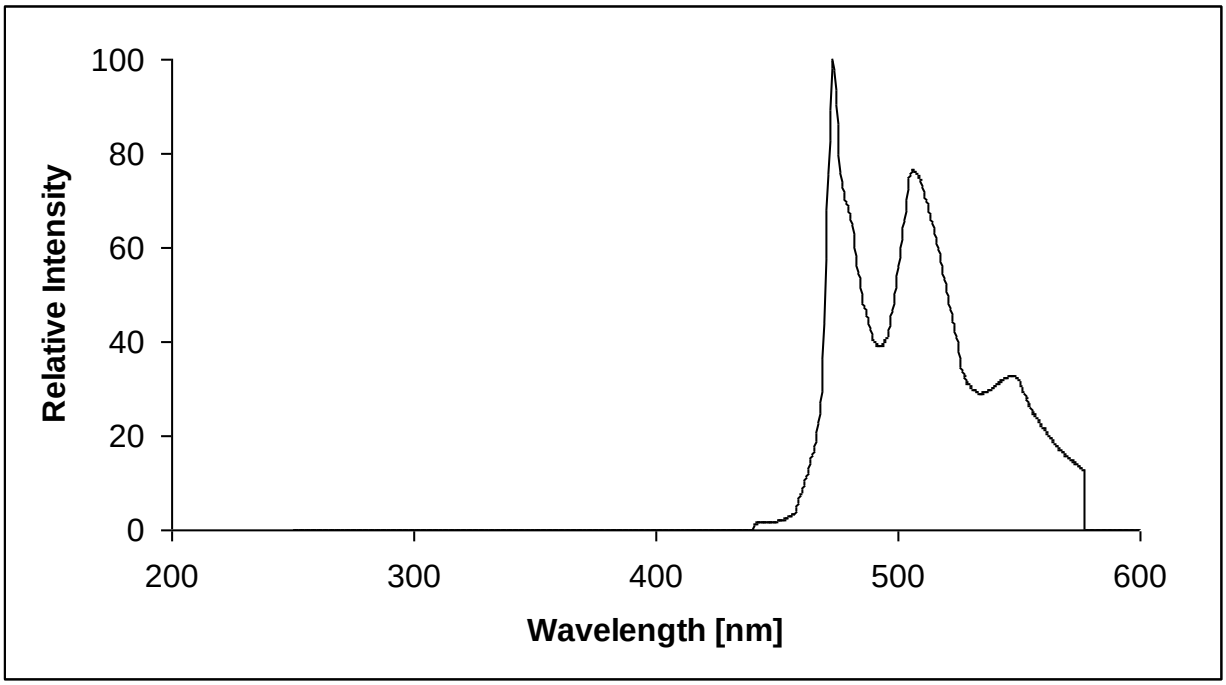


λ exc.	415 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	229 °C
m.a.c. (266 nm)	7.11 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	ATLAS pag. 756-II

PFL5D — Naphth(2,3-a)aceanthrylene

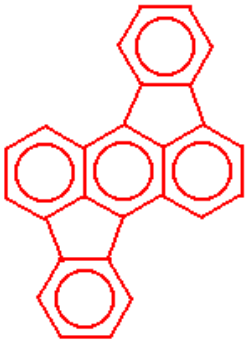
Dibenzo(a,k)fluorathene

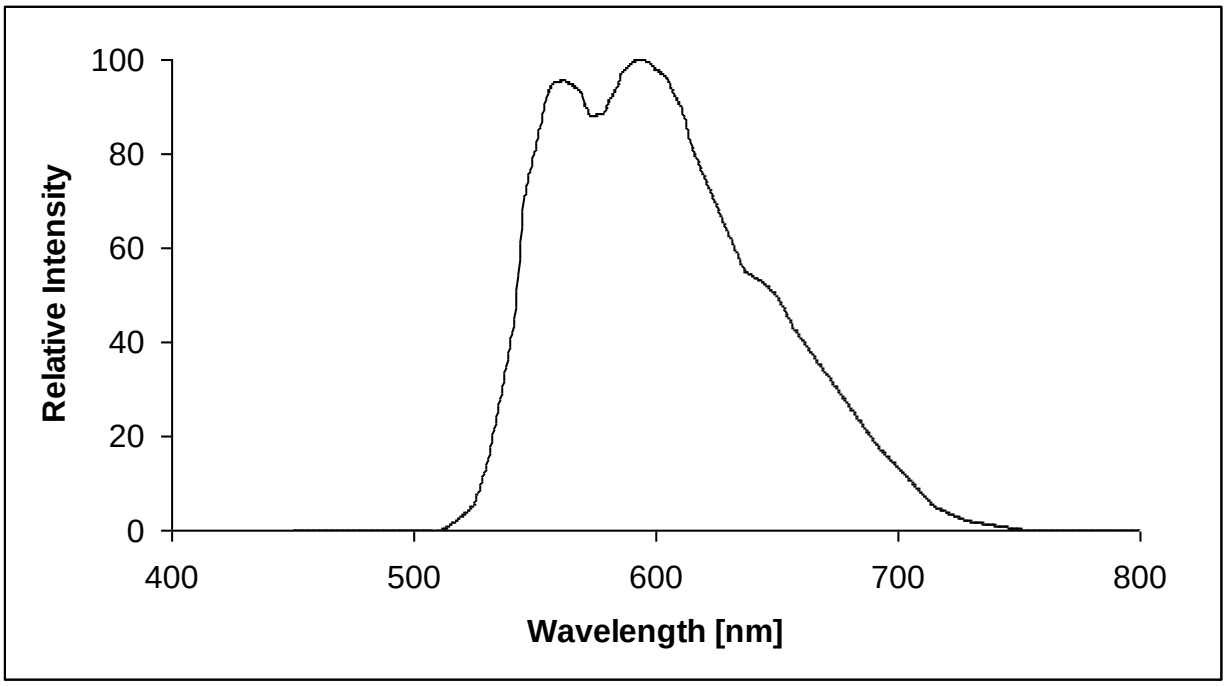




λ exc.	415 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	229°C
m.a.c. (266 nm)	7.11 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 756-II

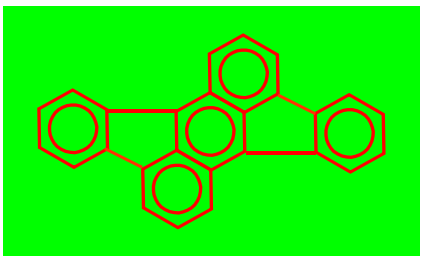
PFL5F Rubicene

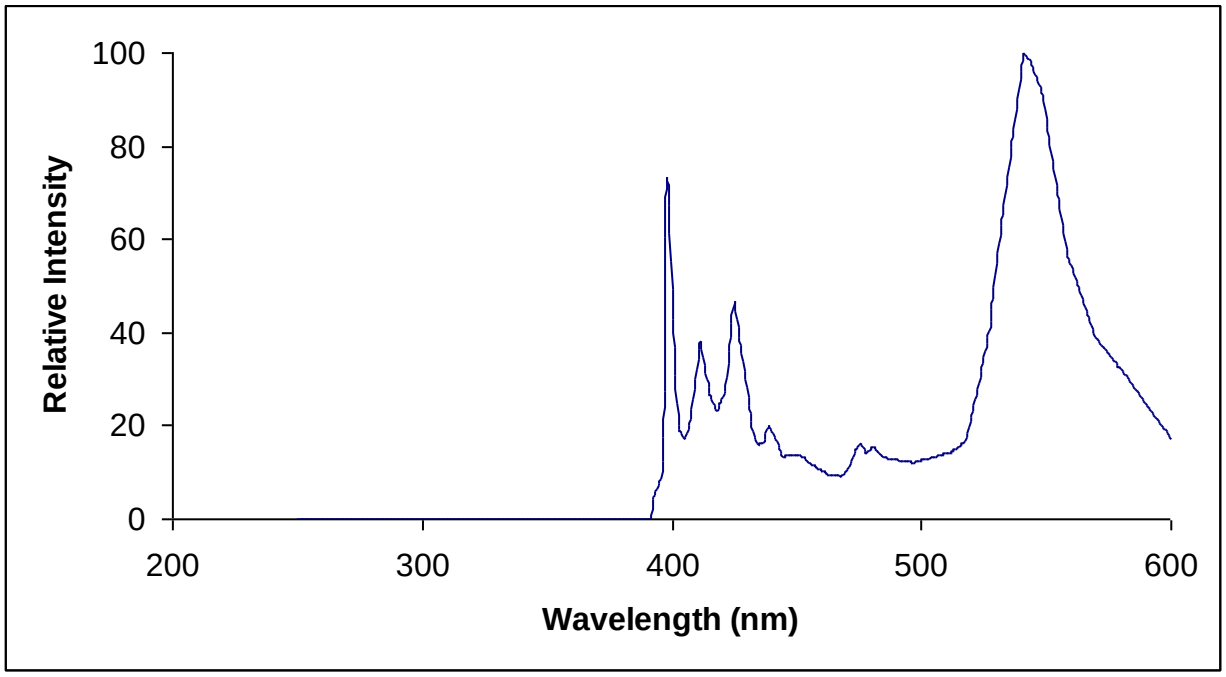




λ exc.	435 nm
Formula	$C_{26}H_{14}$
M.W.	326 u
H/H+C	0.350
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Benzene
source	Berlman

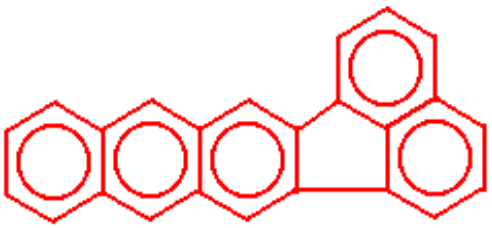
PFL5F2 Rubicene

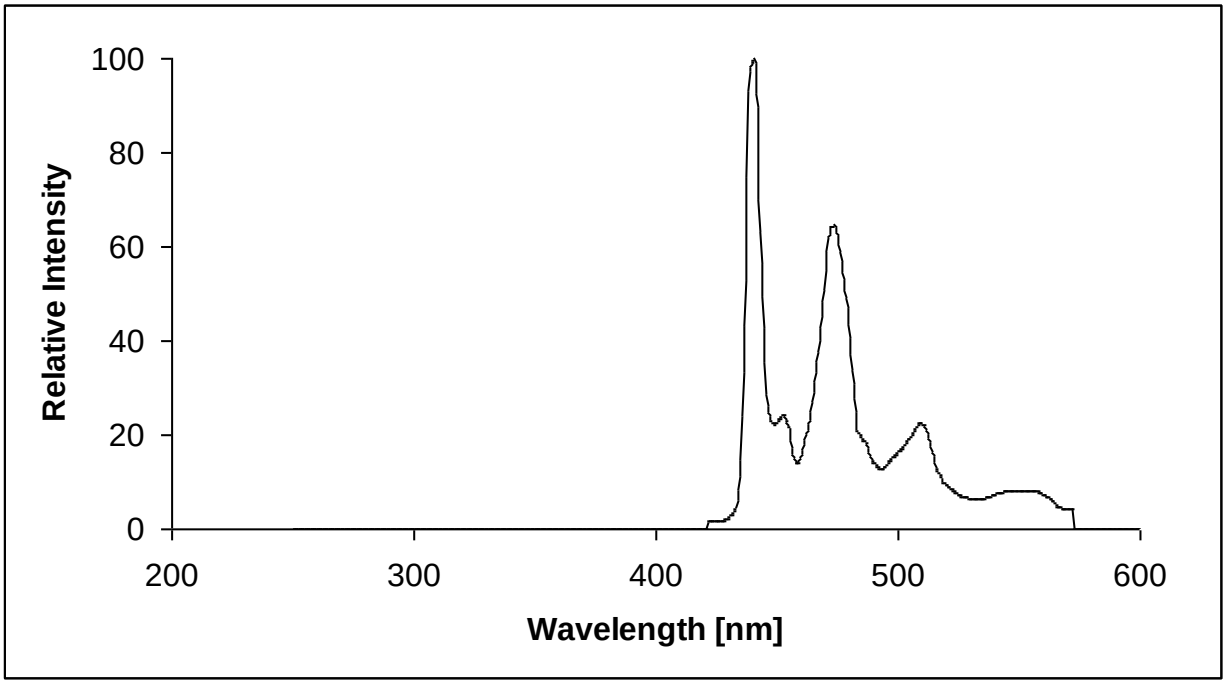




λ exc.	370 nm
Formula	$C_{26}H_{14}$
M.W.	326 u
H/H+C	0.350
m.p.	229 °C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[13]

PFL5N Naphtho(2,3-k)fluoranthene

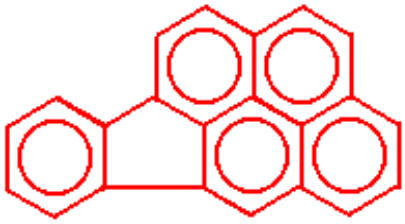


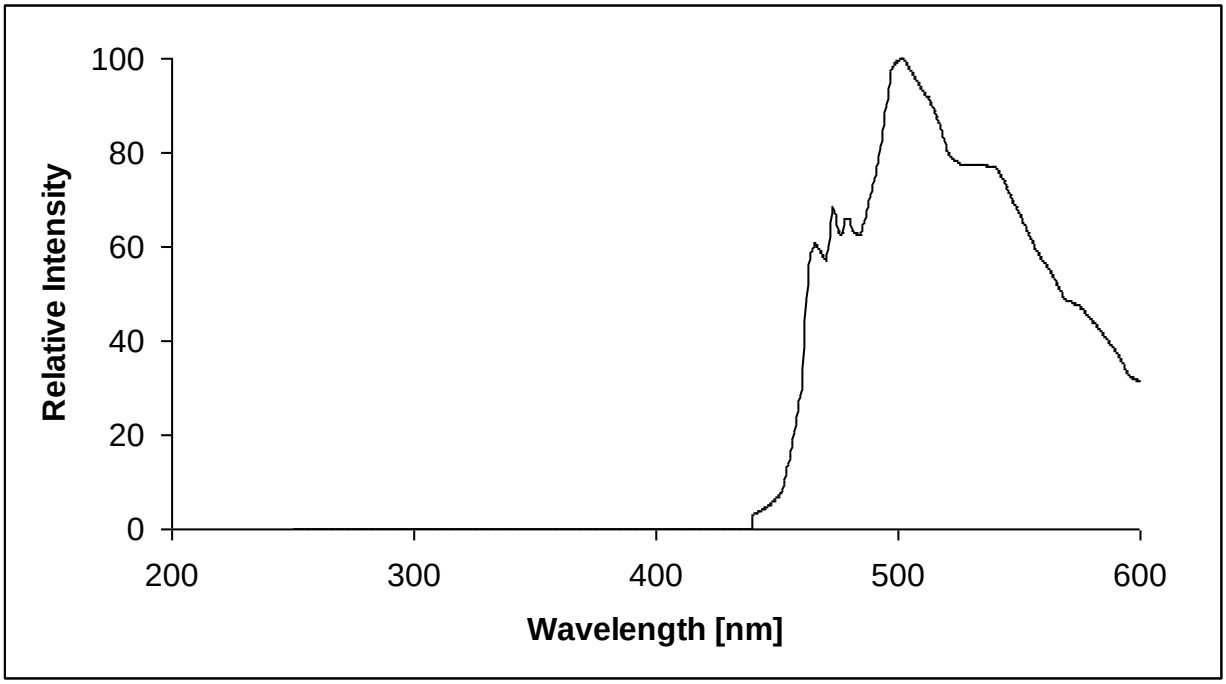


λ exc.	384.5 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	299-300°C
m.a.c. (266 nm)	2.75 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg. 814-II

PFL5P1 Indeno(1,2,3-cd)pyrene(1)

O-Phenylene-pyrene

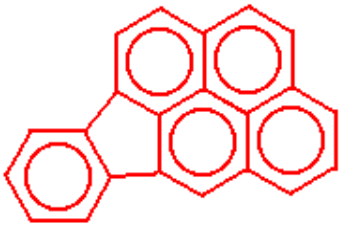


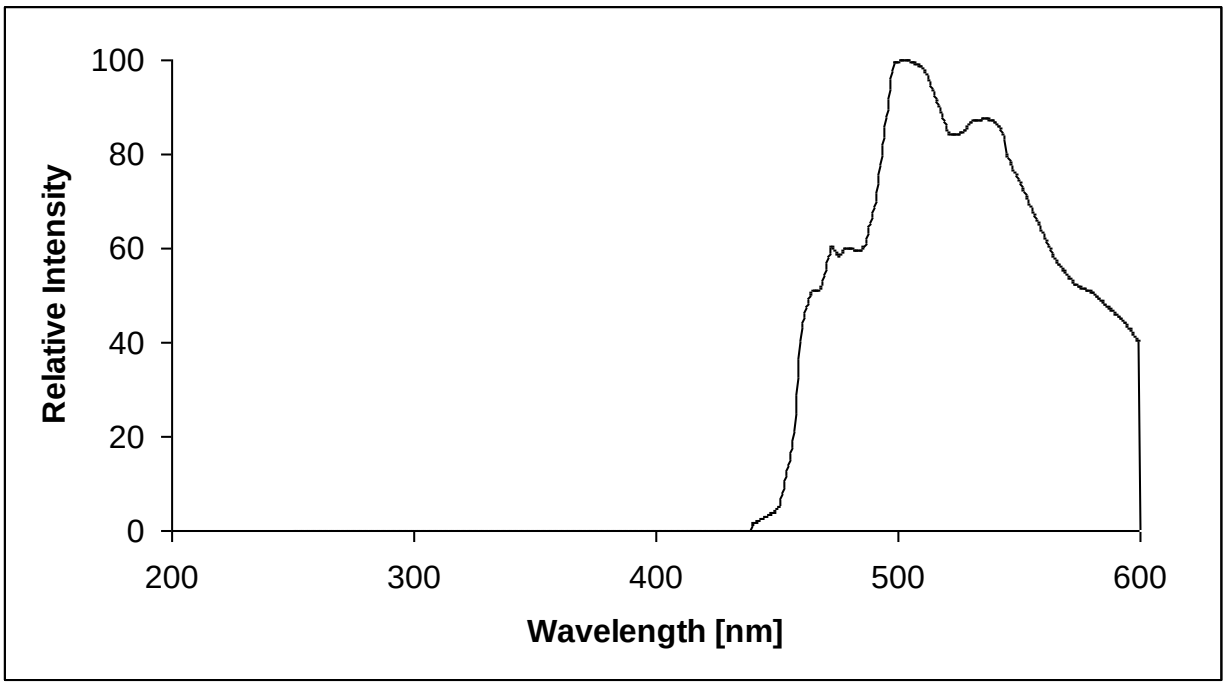


λ exc.	360.5 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	163.6°C
m.a.c. (266 nm)	2.4 (l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Atlas pg.650-I

PFL5P2 **Indeno(1,2,3-cd)pyrene(2)**

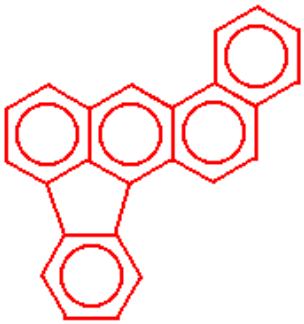
O-Phenylene-pyrene

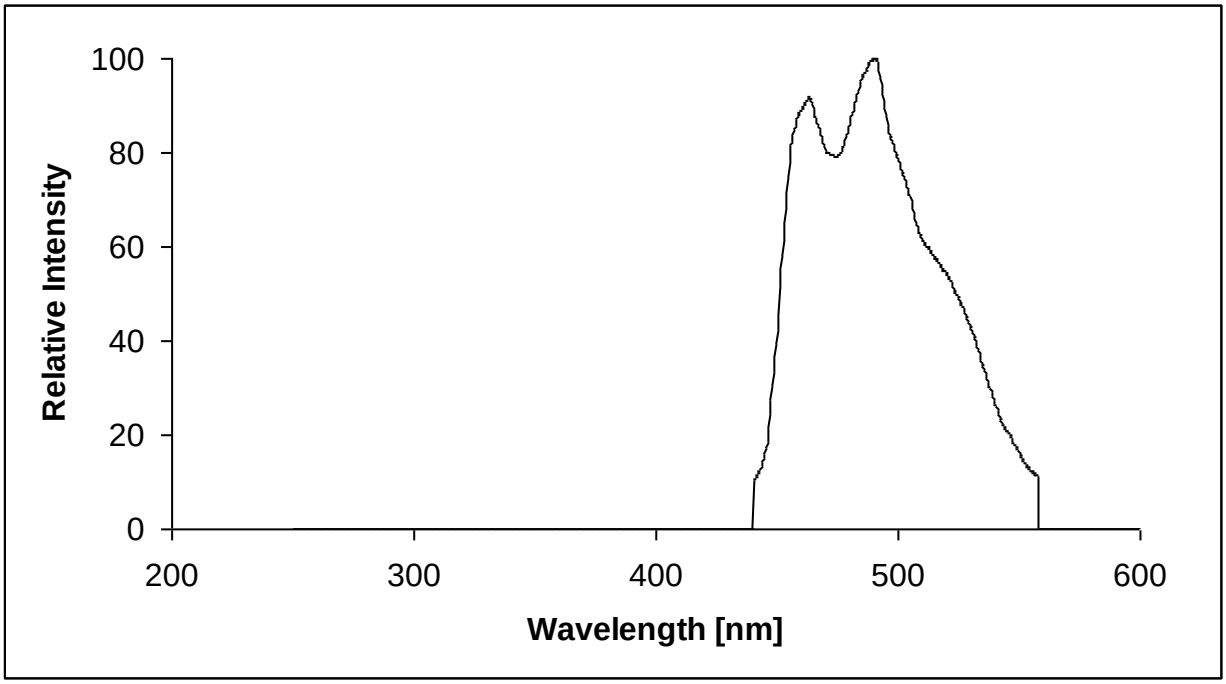




λ exc.	365 nm
Formula	$C_{22}H_{12}$
M.W.	276 u
H/H+C	0.353
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	Cyclohexane
source	Berlman

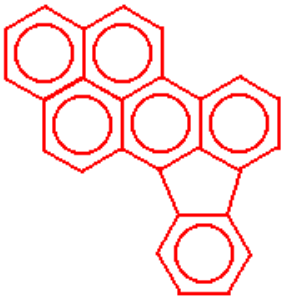
PFL5S Naphtho(2,1-a)fluoranthene

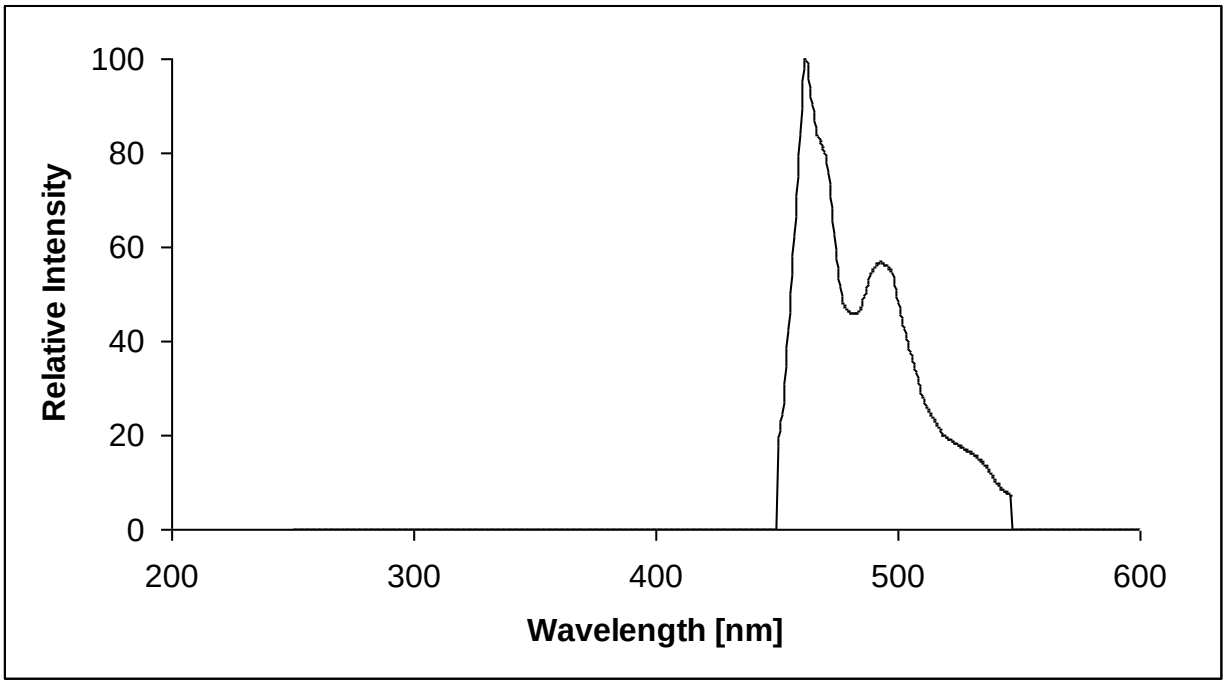




λ exc.	400 nm
Formula	$C_{24}H_{14}$
M.W.	302 u
H/H+C	0.368
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[6]

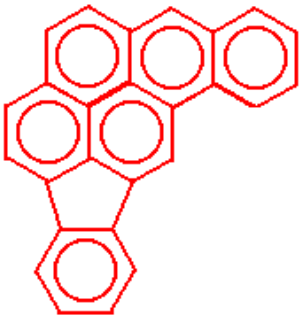
PFL6C Benz(def)indeno(1,2,3-hi)chrysene

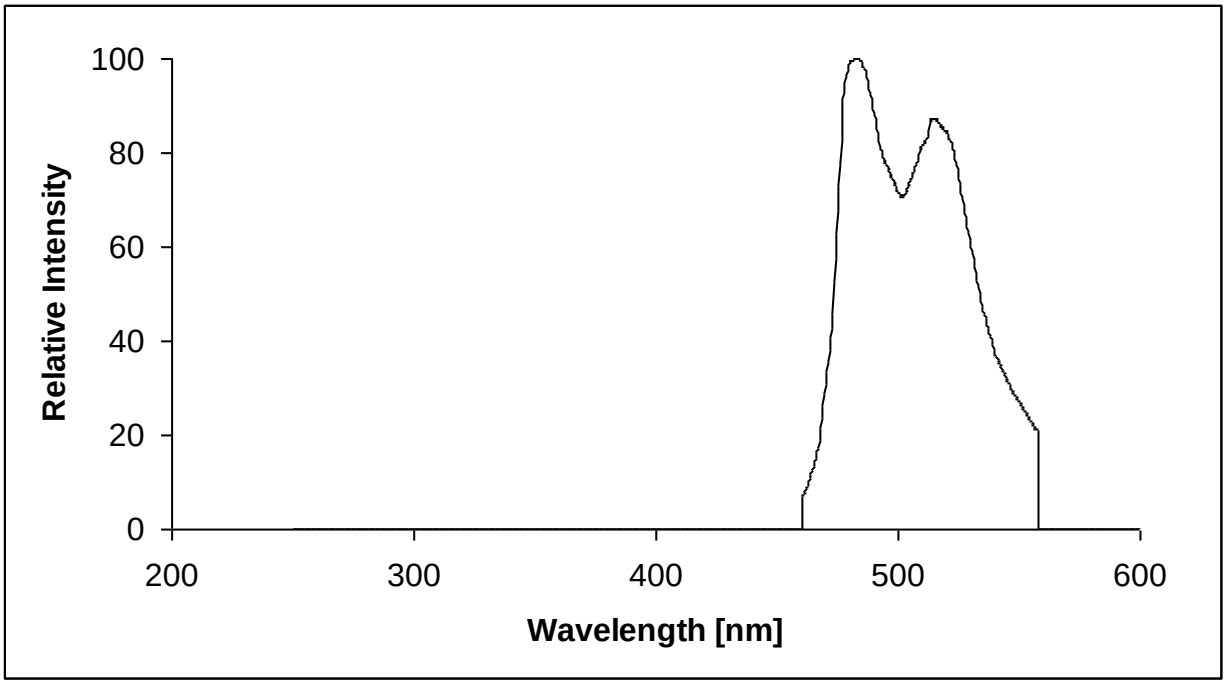




λ exc.	406 nm
Formula	$C_{26}H_{14}$
M.W.	326 u
H/H+C	0.350
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[6]

PFL6D Benz(def)indeno(1,2,3-qr)chrysen





λ exc.	408 nm
Formula	$C_{26}H_{14}$
M.W.	326 u
H/H+C	0.350
m.p.	°C
m.a.c. (266 nm)	(l. mol^{-1} cm^{-1} $x10^{-4}$)
solvent	n-hexadecane
source	[6]