Fullerene Chromatogram Index

2007.8

Index

<Higher Fullerene>

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C84	8		

<Metallofullerene>

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<Fullerene Derivatives>

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1,2-C60(CH3)H	47	1,4-C60(CHCl2)Ph	69
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1,2-C60(Ph)H	49	1,4-C60(CHCl2)OCH3	71
1-Phenyl-1,9-dihydro[60]fullerene	50	1,4-C60(CHCl2)(C6H4OCH3-p)	72
1-(4-Methylphenyl)-1,9-dihydro[60]fullerene	51	1,4-C60(CHCl2)Cl, 1,2-C60(CHCl2)Cl	73
1-(2-Methylphenyl)-1,9-dihydro[60]fullerene	52	1,4-C60(CCl2CH2Cl)OCH2CF3	74
1-[(E)-Styryl]-1,9-dihydro[60]fullerene	53	1,4-C60(CCl2CH2Cl)OH	75
1-(2,6-Dimethylphenyl)-1,9-dihydro[60]fullerene	54	1,4-C60(CCl2CH2Cl)OCH3	76
1-(1-Naphthyl)-1,9-dihydro[60]fullerene	55	1,4-C60(CCl2CH2Cl)(C6H4OCH3-p)	77
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1-(1-Pyrenyl)-1,9-dihydro[60]fullerene	57	1,4-C60(CCl2CH2Cl)Cl	79
C60Ph5H	58	1,2-C60(CH3)OCH2CF3	80
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C60Ph5Me	60	C60-fused *N*-methylpyrrolidine- meta-C12 phenyl (C60MC12)	82
MeC60Ph5	61	6,12,15,18-Tetra(dimethylamino)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	83
HC60(biphenyl)5	62	6,12,15,18-Tetra(pyrrolidin-1-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	84
C60(biphenyl)5H	63	6,12,15,18-Tetra(piperidin-1-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	85
MeC60(biphenyl)5	64	6,12,15,18-Tetra(2-azahexan-2-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	86
C60(biphenyl)5Me	65	6,12,15,18-Tetra(1-azacycloheptan-1-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6] fullerene	87
HC60(C25H32)C60H	66	6,12,15,18-Tetra(morpholin-4-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	88
1,2-C60(CH3)Cl	67	6,12,15,18-Tetra[4-(hydroxymethyl)piperidin-1-yl]-6,12,15,18-(tetrahydro)oxireno[2',3':1,9] (C60-Ih)[5,6]fullerene	89
1-(4-Chlorophenyl)-1,9-dihydro[60]fullerene	68	6,12,15,18-Tetra(1,4-dioxa-8-azaspiro [4,5]decan-8-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9] (C60-Ih)[5,6]fullerene	90

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Sample	Page	Sample	Page
6,12,15,18-Tetra[4-(2-hydroxy-ethyl)piperidin-1-yl]-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	91	[6,5]-open fulleroid [1,2 (2a)-Homo [5,6]fullerene-C60-Ih, 2a,2a-bis (4-methoxyphenyl)-(9CI)]	106
6,12,15,18-Tetra[4-(tert-butoxy-carbonylamino)piperidin-1-yl]-6,12,15,18-(tetrahydro)oxireno[2',3':1,9](C60-Ih)[5,6]fullerene	92	[6,6]-closed methanofullerene [3'H-Cyclopropa [1,9][5,6]fullerene-C60-Ih,3',3'-bis (4-methoxyphenyl)-(9CI)]	107
C60O	93	HC60P(O)(OEt)Ph	108
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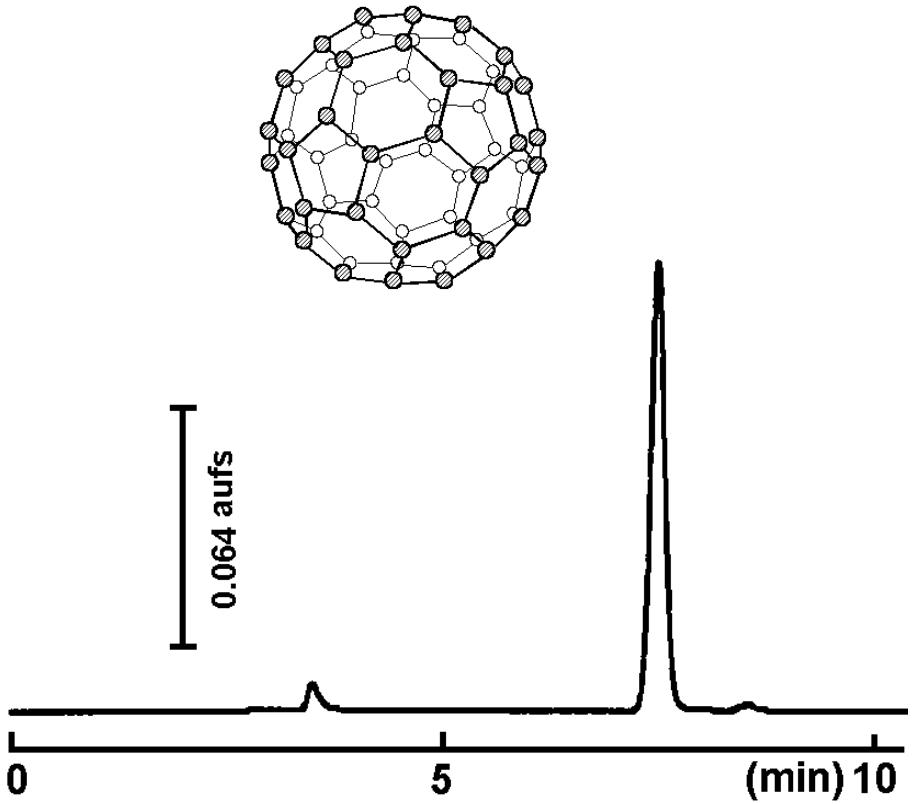
1,2-C60(CH3)OCH3	95	C60O3(*Cs*)	110
1-(4-Methoxyphenyl)-1,9-dihydro[60]fullerene	96	C60O3(*C2*)	111
1-(4-Acetylphenyl)-1,9-dihydro[60]fullerene	97	HC60P(O)(*p*-C6H4-OMe)2	112
HC60P(O)Me2	98	1-(3-Thienyl)-1,9-dihydro[60]fullerene	113
HC60P(O)Ph2	99	Ru(C60Me5)Cp	114
HC60P(O)(di-*t*-Bu-C6H3)2	100	Ru(C60Ph5)Cp	115
HC60P(O)(*p*-C6H4F)2	101	Fe(C60Ph5)Cp	116
C60O2(*cis*-1)	102	Fe(C60Me5)Cp	117
HC60CH(Me)COOMe	103	IrC60Me5(CO)I2	118
HC60C(Me2)COOMe	104	RuCl(CO)2C60Me5	119
1,4-C60(OCOCH3)Ph	105		

Fullerene Chromatogram Index

Sample:	C_{60}
CAS No.:	99685-96-8
Molecular formula:	C_{60}
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 285 nm
Attenuation:	0.64 aufs
Sample conc.:	0.65 mg/ml
Injection volume:	1.0 μl



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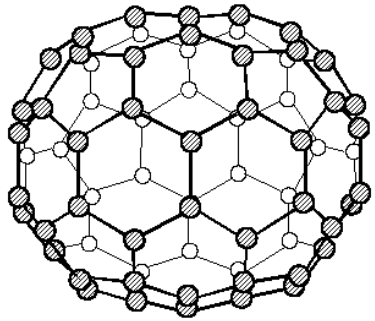
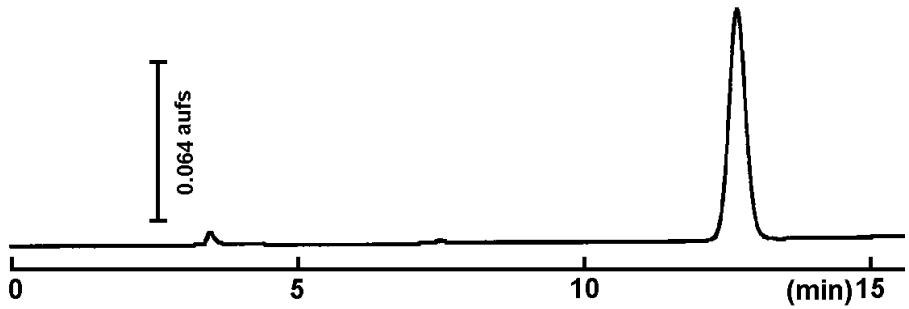
Fullerene Chromatogram Index

Sample:	C_{70}
CAS No.:	115383-22-7
Molecular formula:	C_{70}
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 285 nm
Attenuation:	0.64 aufs
Sample conc.:	0.65 mg/ml
Injection volume:	1.0 μl





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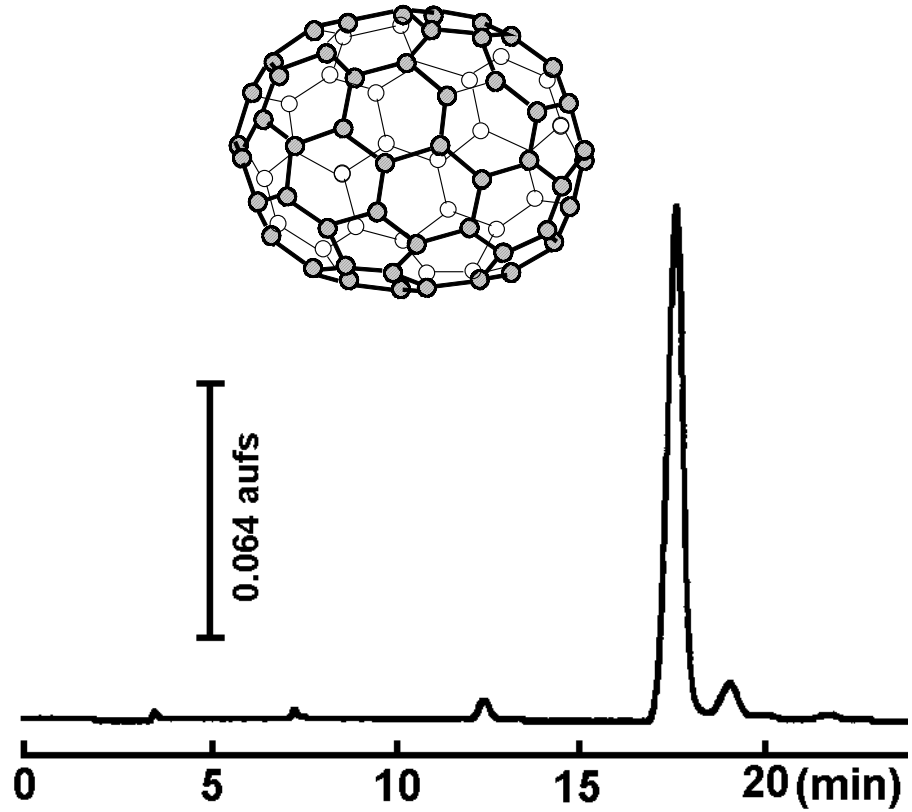
Fullerene Chromatogram Index

Sample:	C_{76}
CAS No.:	135113-15-4
Molecular formula:	C_{76}
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 285 nm
Attenuation:	0.64 aufs
Sample conc.:	0.20 mg/ml
Injection volume:	5.0 μl



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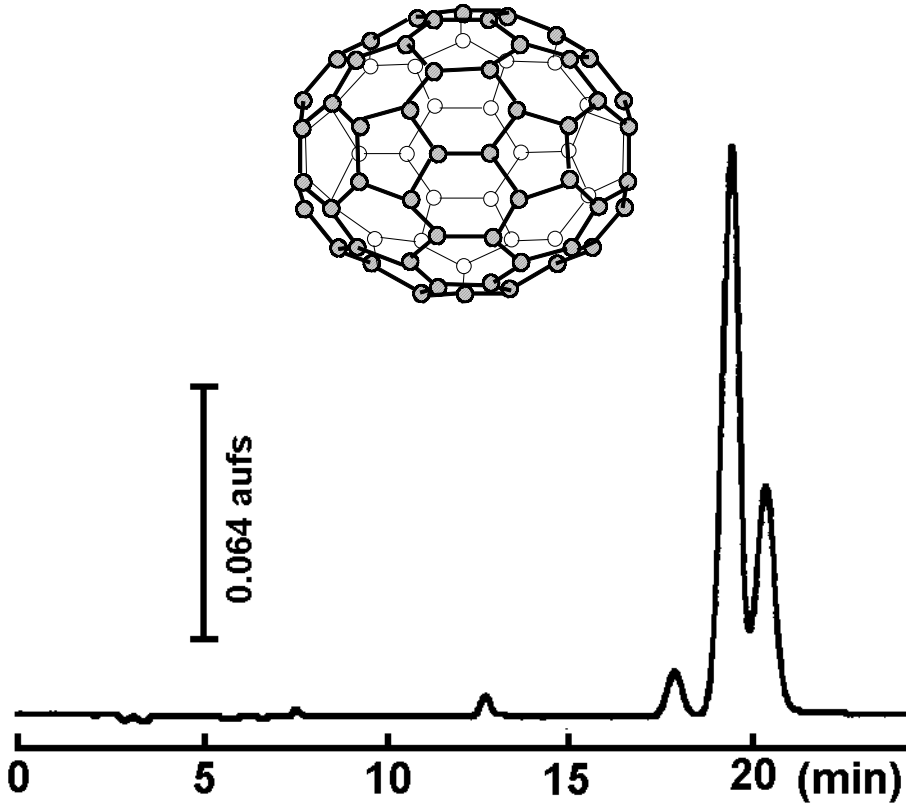
Fullerene Chromatogram Index

Sample:	C_{78}
CAS No.:	136316-32-0
Molecular formula:	C_{78}
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 285 nm
Attenuation:	0.64 aufs
Sample conc.:	0.20 mg/ml
Injection volume:	10.0 μl



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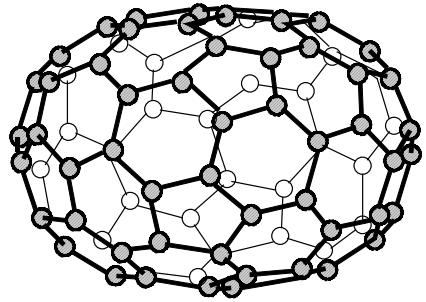
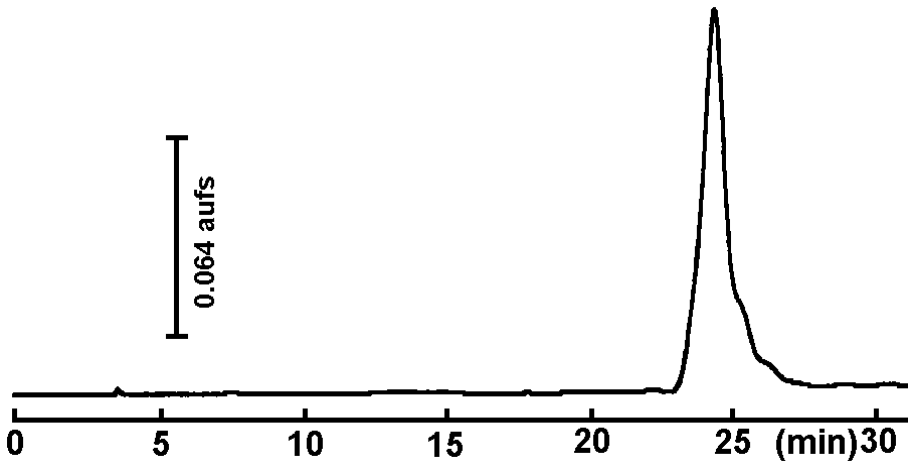
Fullerene Chromatogram Index

Sample:	C_{84}
CAS No.:	135113-16-5
Molecular formula:	C_{84}
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 285 nm
Attenuation:	0.64 aufs
Sample conc.:	0.20 mg/ml
Injection volume:	10.0 μl





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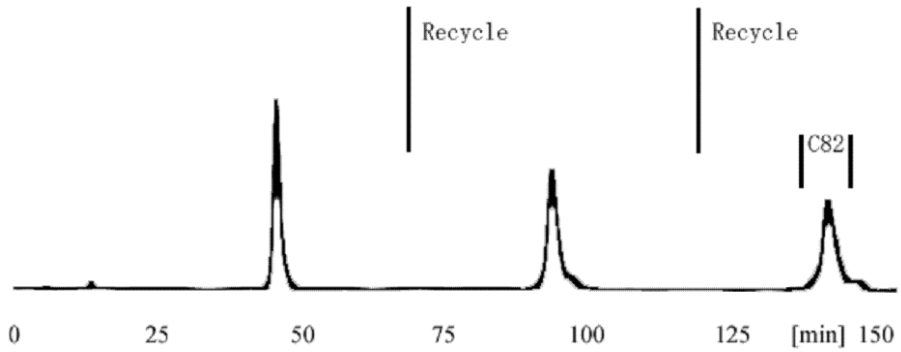
Fullerene Chromatogram Index

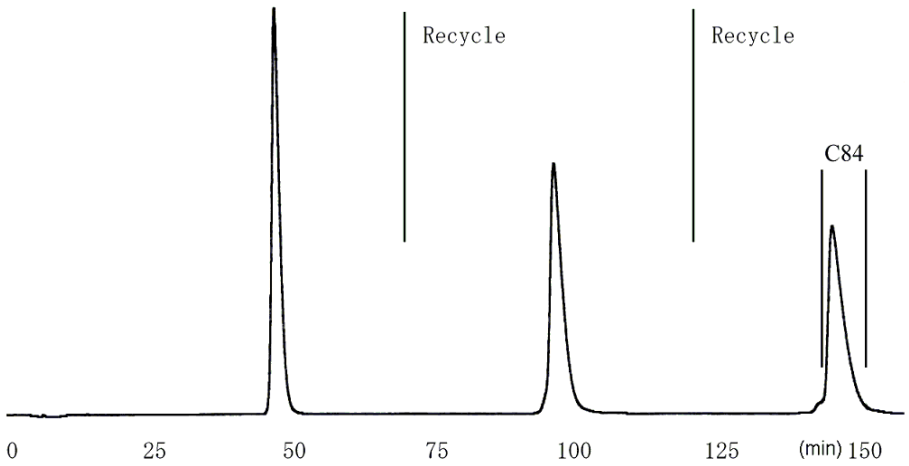
Sample:	C_{82}
CAS No.:	-
Molecular formula:	C_{82}
Column:	Buckyprep
Column size:	10 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	2.5 ml/min
Temperature:	Room temperature
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	0.75 ml



Data courtesy of
Dr. Yoshihiro Kubozono (Department of Chemistry
Okayama University, Okayama 700-8530, Japan

Fullerene Chromatogram Index

Sample:	C_{84}
CAS No.:	-
Molecular formula:	C_{84}
Column:	Buckyprep
Column size:	-
Mobile phase:	Toluene
Flow rate:	2.5 ml/min
Temperature:	Room temperature
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	0.75 ml



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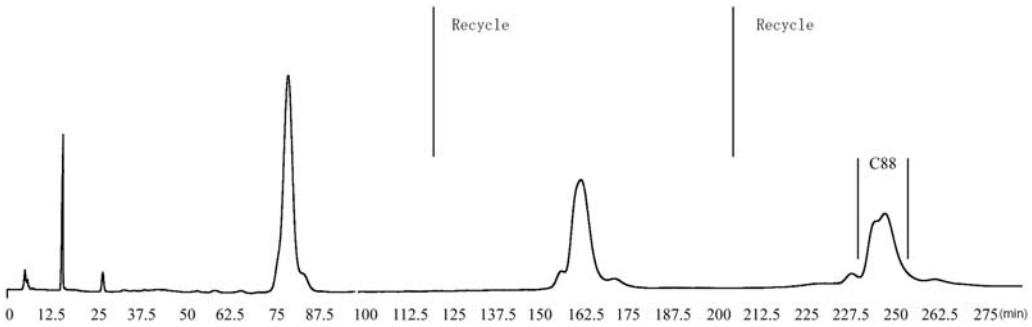
Okayama University, Okayama 700-8530, Japan

Fullerene Chromatogram Index

Sample:	C88
CAS No.:	-
Molecular formula:	C88
Column:	Buckyprep
Column size:	10 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	2.5 ml/min
Temperature:	Room temperature
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	0.75 ml



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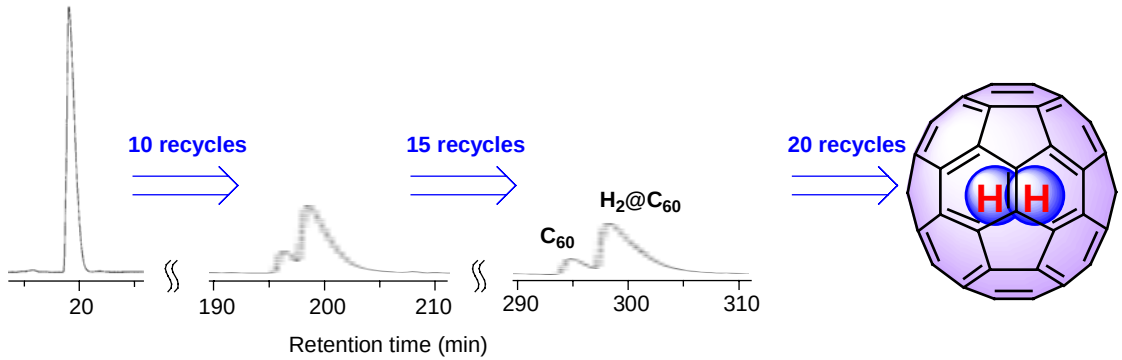
Okayama University, Okayama 700-8530, Japan

Fullerene Chromatogram Index

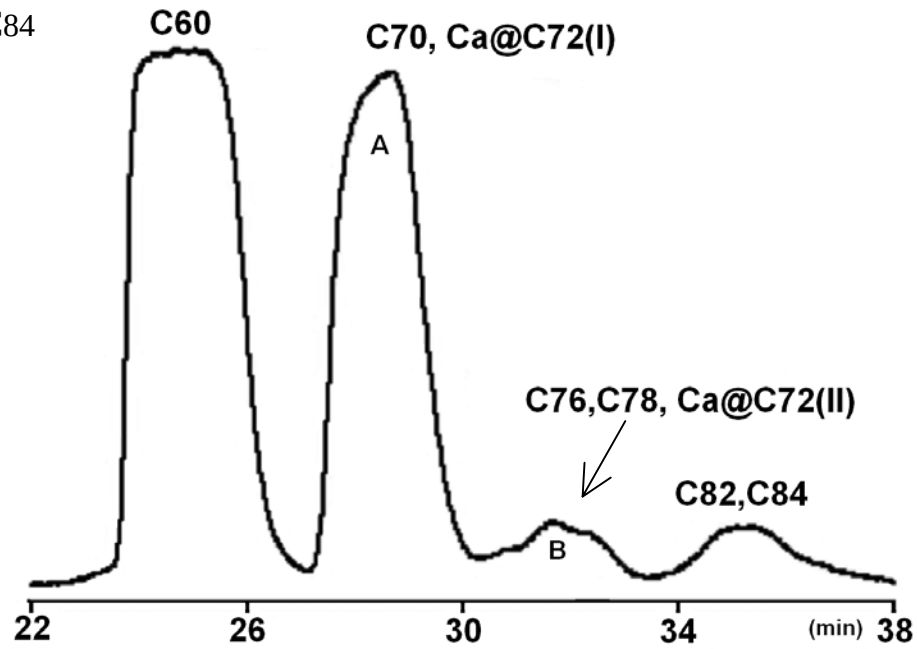
Sample:	Purification of $H_2@C_{60}$
CAS No.:	-
Molecular formula:	C_{60}, $H_2@C_{60}$
Column:	Buckyprep x 2
Column size:	10 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	4 ml/min
Temperature:	Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	2 mg/ml
Injection volume:	3 ml



Data courtesy of
Dr. Yasujiro Murata (Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan)
Prof. Koichi Komatsu (Department of Environmental and Biotechnological Frontier Engineering, Fukui University of Technology, Fukui 910-8505, Japan)

Fullerene Chromatogram Index

Sample:	Empty fullerenes and Ca-metallofullerenes
CAS No.:	-
Molecular formula:	C_{60}, C_{70}, Ca@C_{72}(I) , C_{76}, C_{78}, Ca@C_{72}(II) ,C_{82}, C_{84}
Column:	5PBB x 2
Column size:	20 mmI.D.-250 mm
Mobile phase:	CS_2
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 275 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



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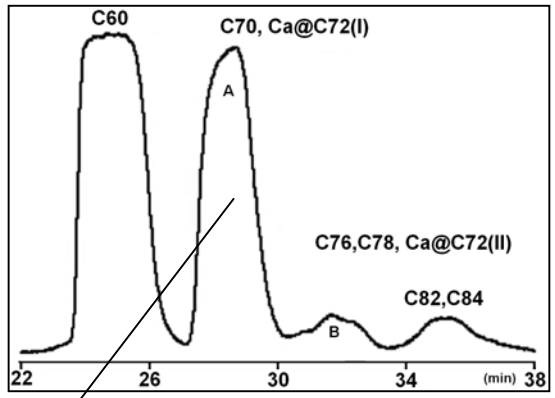
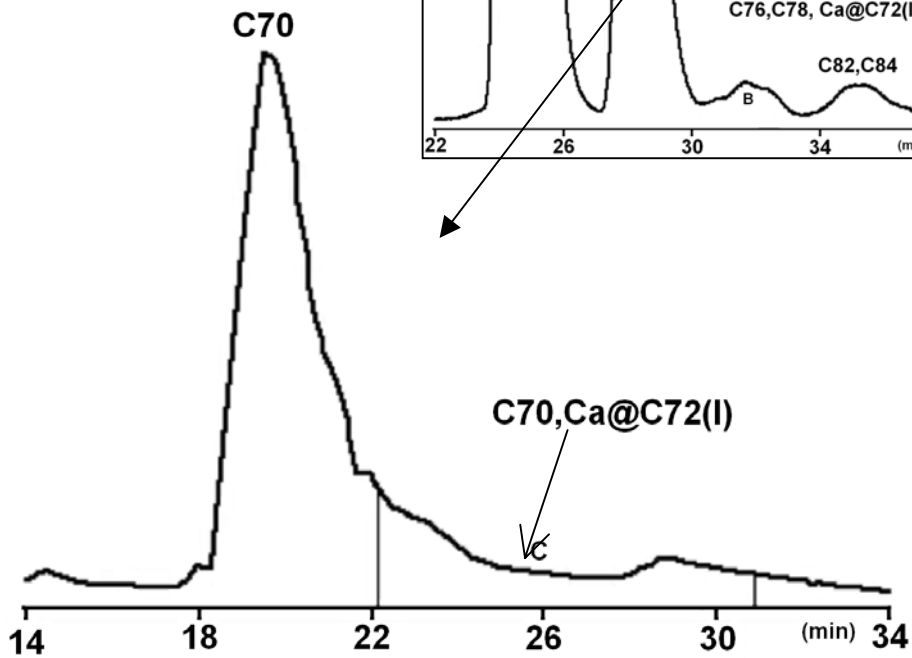
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

Sample:	Empty fullerenes and Ca-metallofullerenes (5PBB-Fraction A)
CAS No.:	-
Molecular formula:	C_{70}, Ca@C_{72}(I)
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	Room temperature
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-





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Prof. Yohji Achiba
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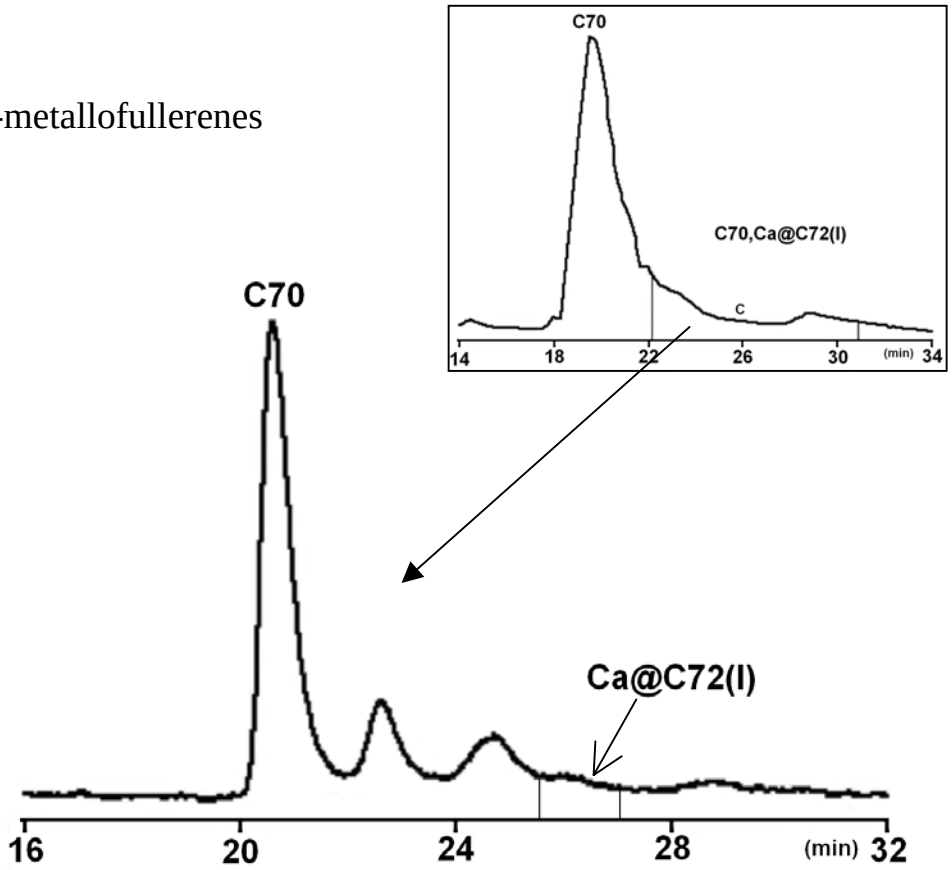
Fullerene Chromatogram Index

Sample:	Empty fullerenes and Ca-metallofullerenes (Buckyprep-Fraction C)
CAS No.:	-
Molecular formula:	C_{70}, Ca@C_{72}(I)
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



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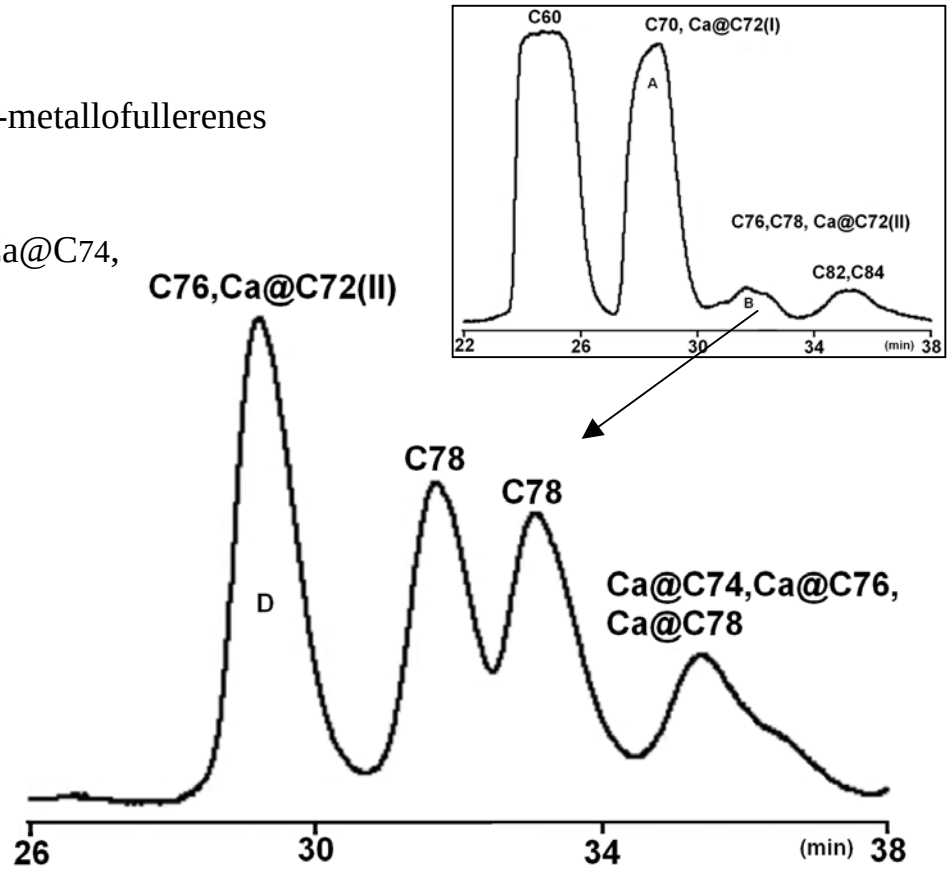
Fullerene Chromatogram Index

Sample:	Empty fullerenes and Ca-metallofullerenes (5PBB-Fraction B)
CAS No.:	-
Molecular formula:	C76, Ca@C72(II), C78, Ca@C74, Ca@C76, Ca@C78
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



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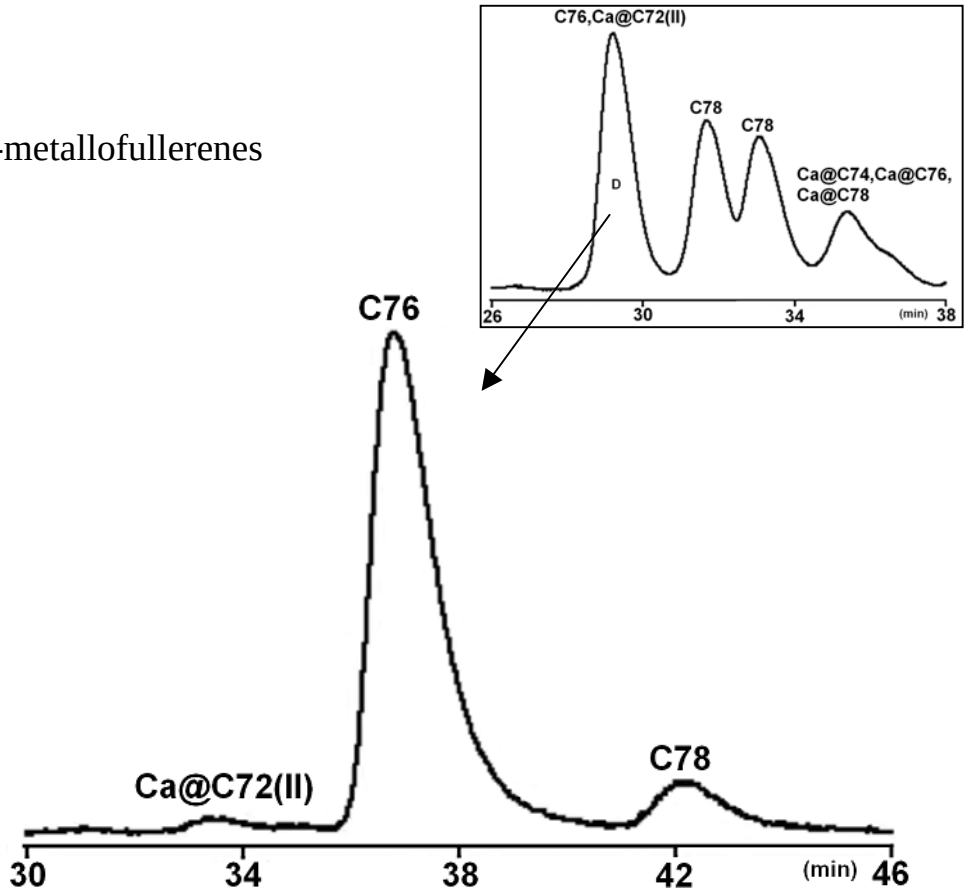
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

Sample:	Empty fullerenes and Ca-metallofullerenes (Buckyprep-Fraction D)
CAS No.:	-
Molecular formula:	C_{76}, Ca@C_{72}(II), C_{78}
Column:	5PBB
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



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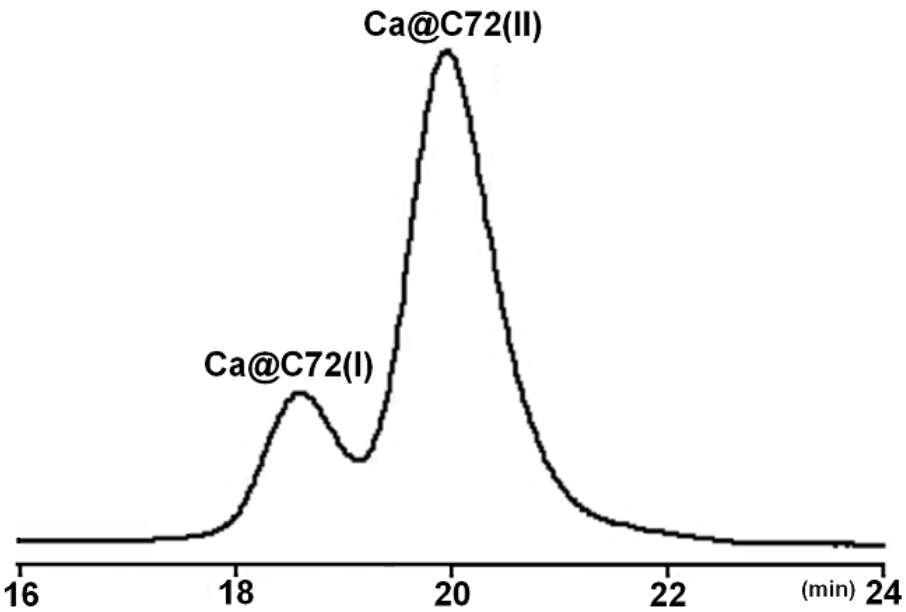
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

Sample:	$Ca@C_{72}$(I), $Ca@C_{72}$(II)
CAS No.:	-
Molecular formula:	$Ca@_{72}$(I), $Ca@_{72}$(II)
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



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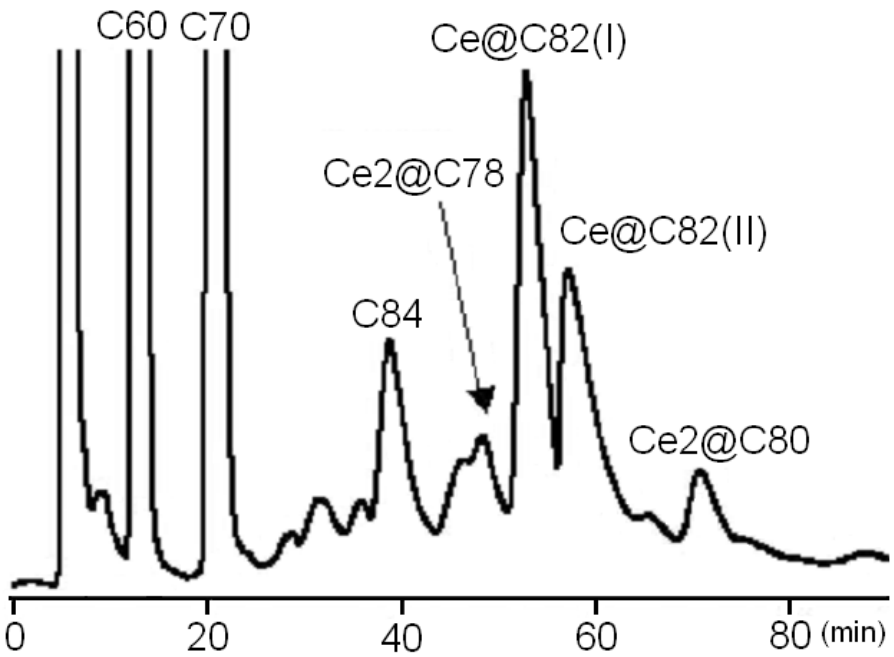
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

Sample:	Empty fullerenes and Ce-metallofullerenes
CAS No.:	-
Molecular formula:	C_{60}, C_{70}, C_{84}, $Ce_2@C_{78}$, $Ce@C_{82}(I)$, $Ce@C_{82}(II)$, $Ce_2@C_{80}$
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



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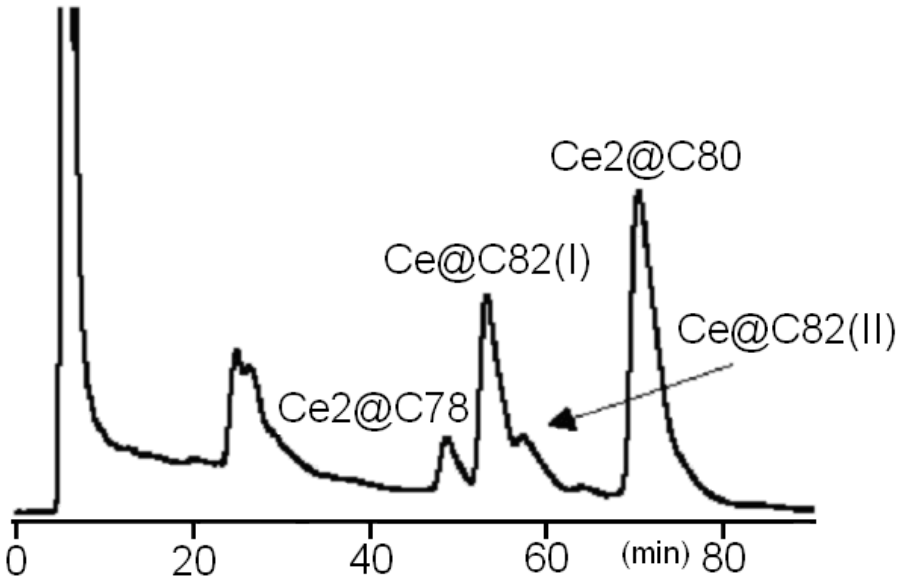
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

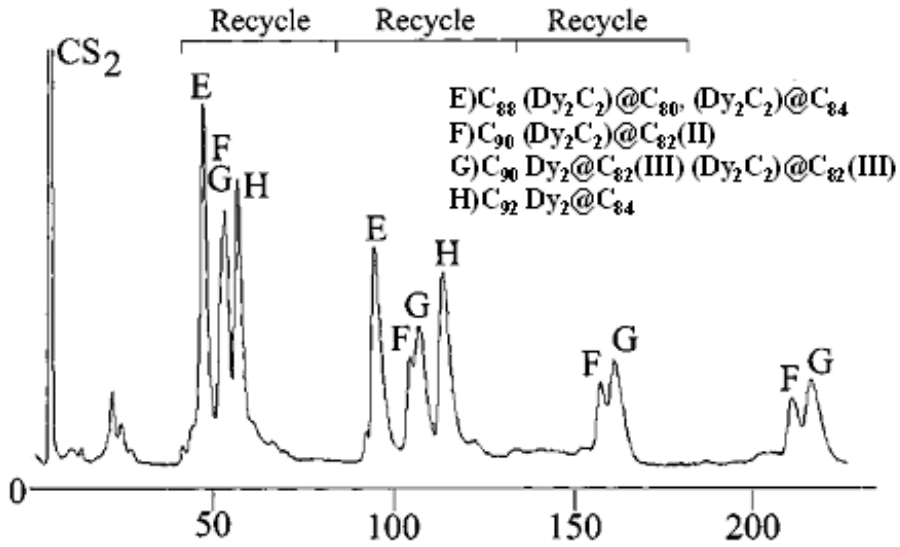
Sample:	Ce-metallofullerenes extracted by a mixed solvent of triethylamine and acetone(1 : 3)
CAS No.:	-
Molecular formula:	$Ce_2@C_{78}$, $Ce@C_{82}$(I), $Ce@C_{82}$(II), $Ce_2@C_{80}$
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Dr. Takeshi Kodama, Dr. Shinzo Suzuki, Prof. Koichi Kikuchi
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

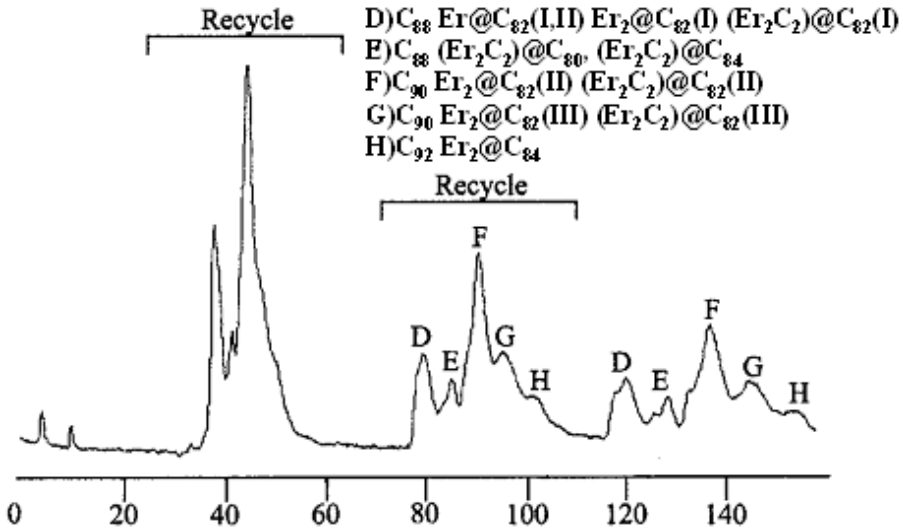
Sample:	Dy-dimetallofullerene
CAS No.:	-
Molecular formula:	$Dy_2@C_{82}$, $(Dy_2C_2)@C_{80\sim84}$
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *Chem. Mater.*, **2000**, ***12***, 3222-3226.

Fullerene Chromatogram Index

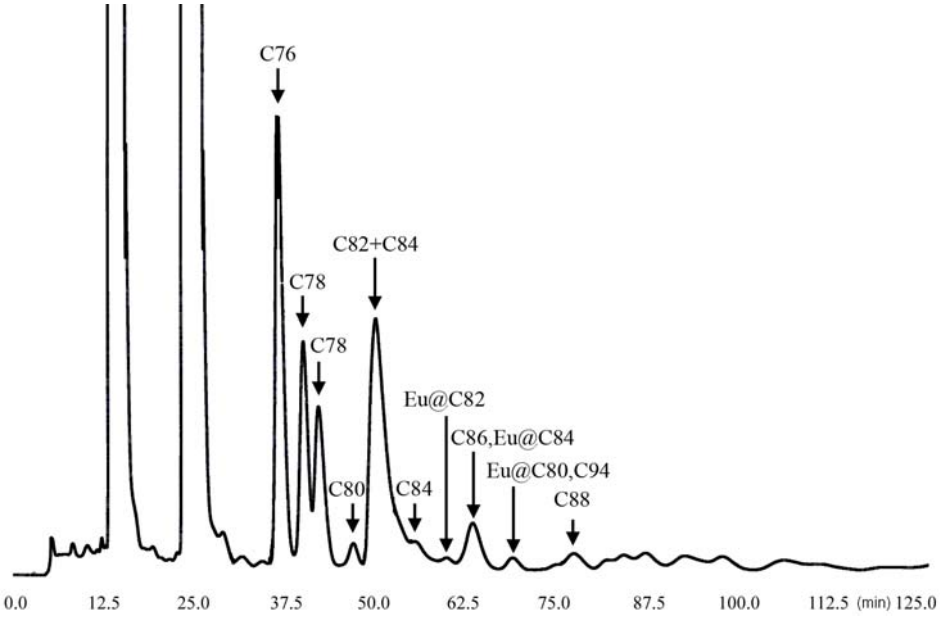
Sample:	Er-mono&dimetallofullerene
CAS No.:	-
Molecular formula:	Er@C82, Er2@C82, (Er2C2)@C80～84
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *Chem. Mater.*, **2001**, ***13***, 2374-2379.

Fullerene Chromatogram Index

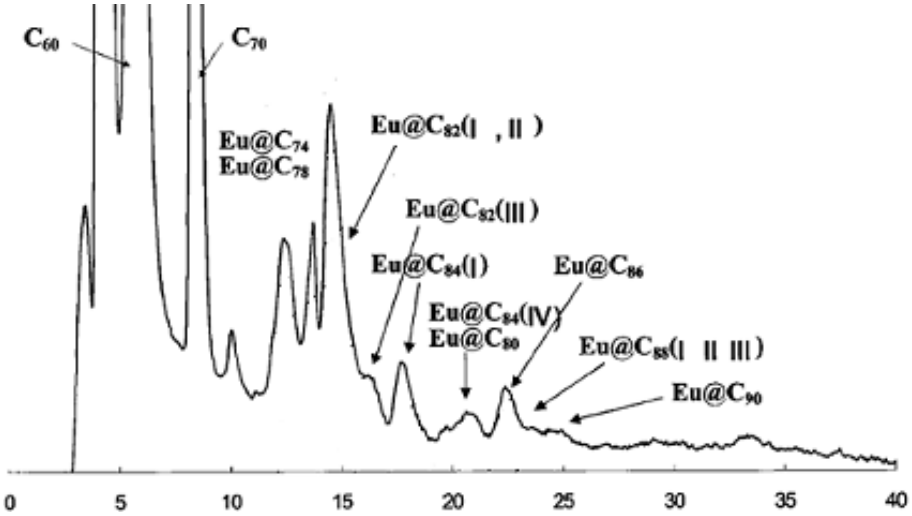
Sample:	Eu@C82
CAS No.:	-
Molecular formula:	C76, C78, C80, C82, C84, Eu@C82, C86, Eu@C84, Eu@C80, C94, C88
Column:	Buckyprep
Column size:	10 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	2.5 ml/min
Temperature:	Room temperature
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	0.75 ml



Data courtesy of
Dr. Yoshihiro Kubozono (Department of Chemistry
Okayama University, Okayama 700-8530, Japan

Fullerene Chromatogram Index

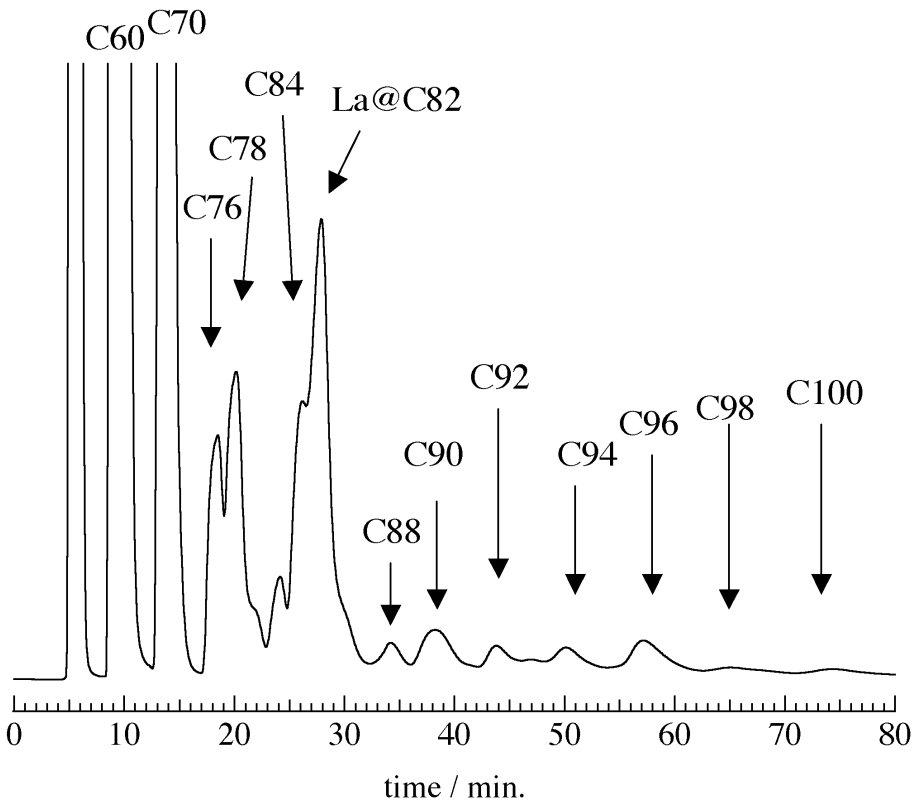
Sample:	Eu-monometallofullerene
CAS No.:	-
Molecular formula:	Eu@C74～90
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *J. Phys. Chem. B.*, **2004**, ***108***, 9011-9015.

Fullerene Chromatogram Index

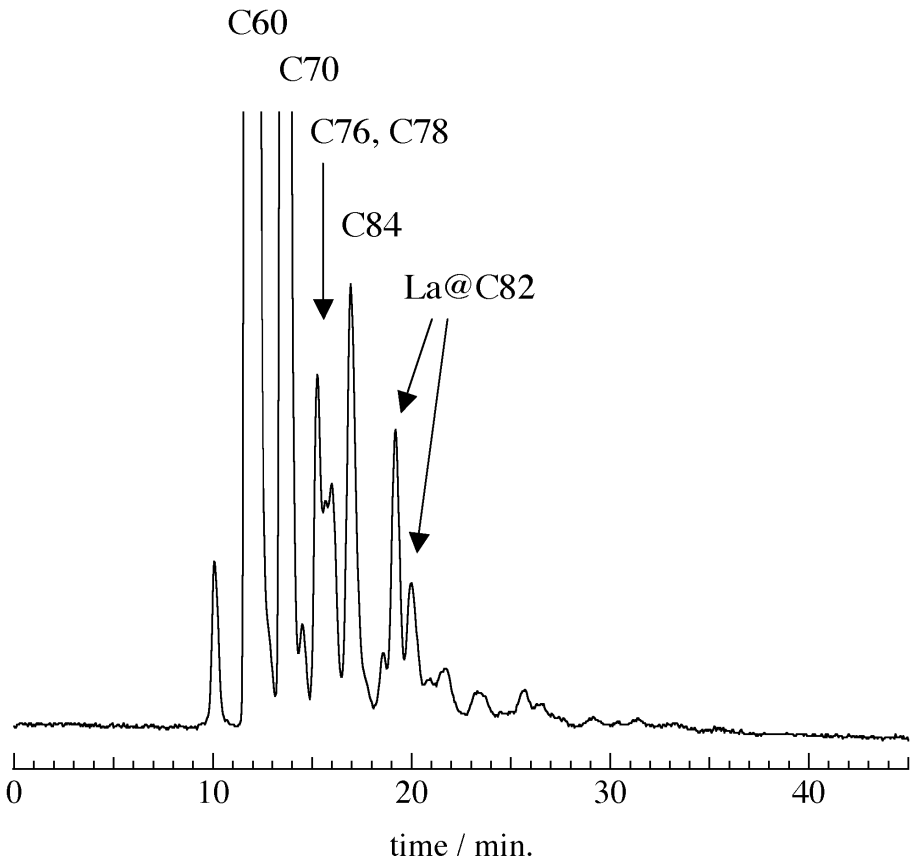
Sample:	La-fullerene CS_2 extract
CAS No.:	-
Molecular formula:	C_{60}, C_{70}, C_{76}, C_{78}, C_{84}, $La@C_{82}$, C_{88}, C_{90}, C_{92}, C_{94}, C_{96}, C_{98}, C_{100}
Column:	5PBB
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	12 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	5 mg/ml
Injection volume:	15 ml



Data courtesy of
Prof. Tatsuhisa Kato (Josai University)
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

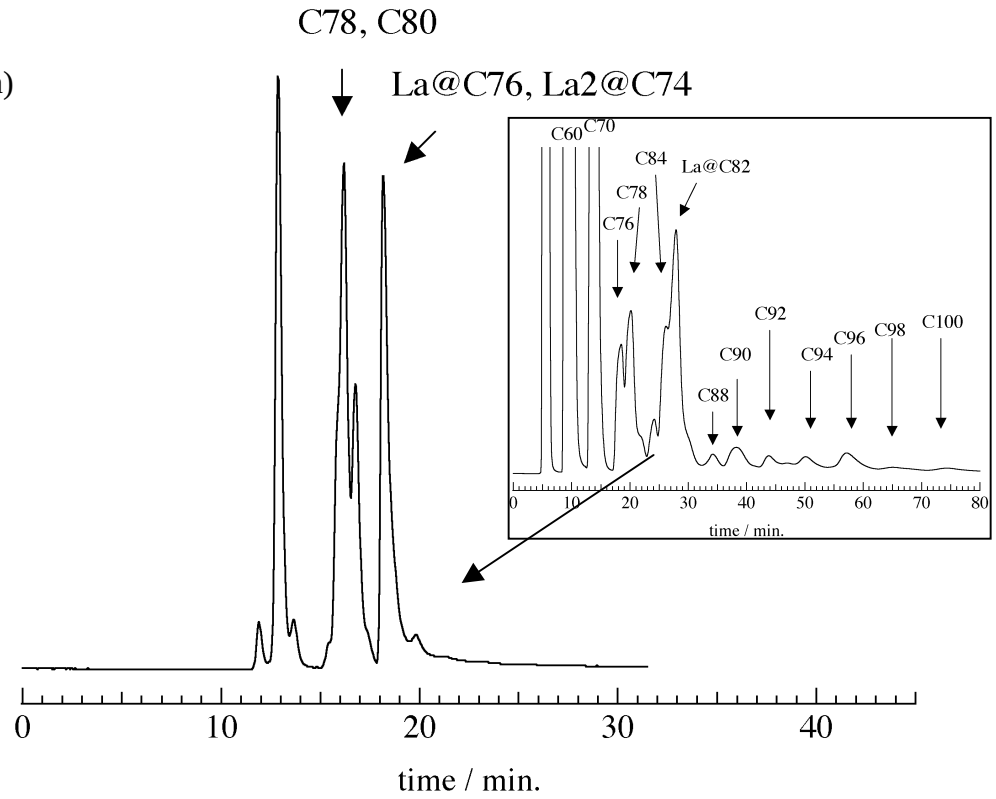
Sample:	La-fullerene CS_2 extract
CAS No.:	-
Molecular formula:	C_{60}, C_{70}, C_{76}, C_{78}, C_{84}, La@C_{82}
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	2 mg/ml
Injection volume:	25 μl



Data courtesy of
Prof. Tatsuhisa Kato (Josai University)
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

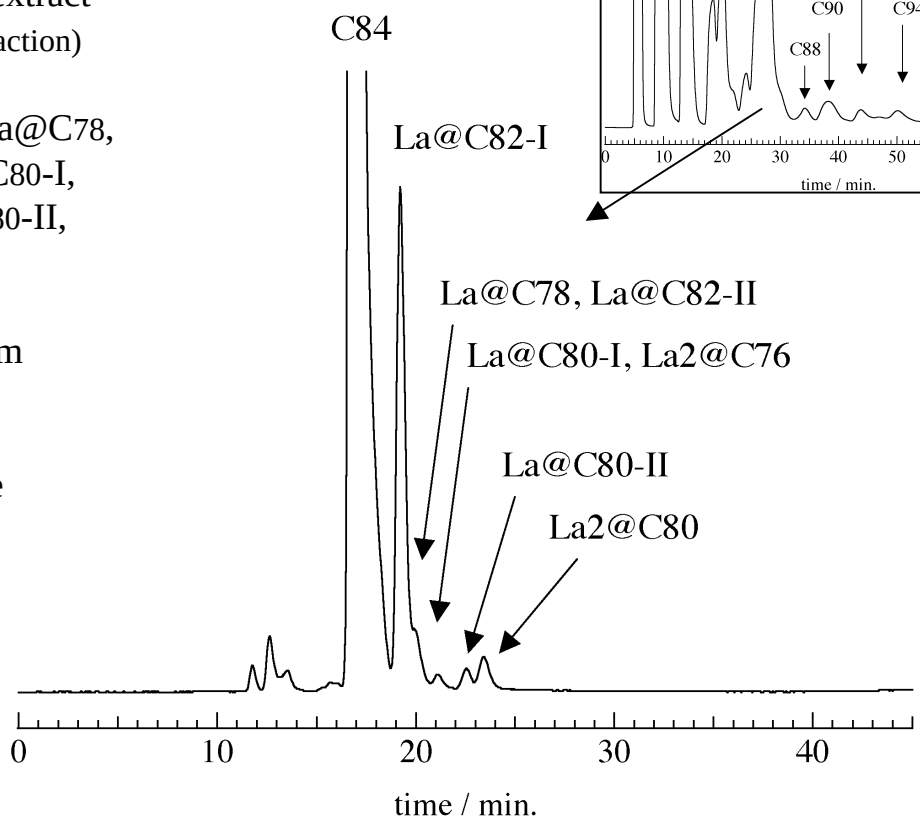
Sample:	La-fullerene CS_2 extract (PBB-21.5-23.5 min fraction)
CAS No.:	-
Molecular formula:	C_{78}, C_{80}, La@C_{76}, La_2@C_{74}
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 ml

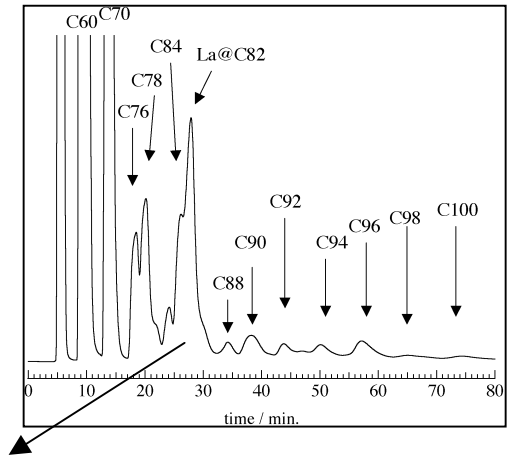


Data courtesy of
Prof. Tatsuhisa Kato (Josai University)
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

Sample:	La-fullerene CS_2 extract (PBB-25.5-27 min fraction)
CAS No.:	-
Molecular formula:	C_{84}, La@C_{82}-I, La@C_{78}, La@C_{82}-II, La@C_{80}-I, La_2@C_{76}, La@C_{80}-II, La_2@C_{80}
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 ml





Data courtesy of
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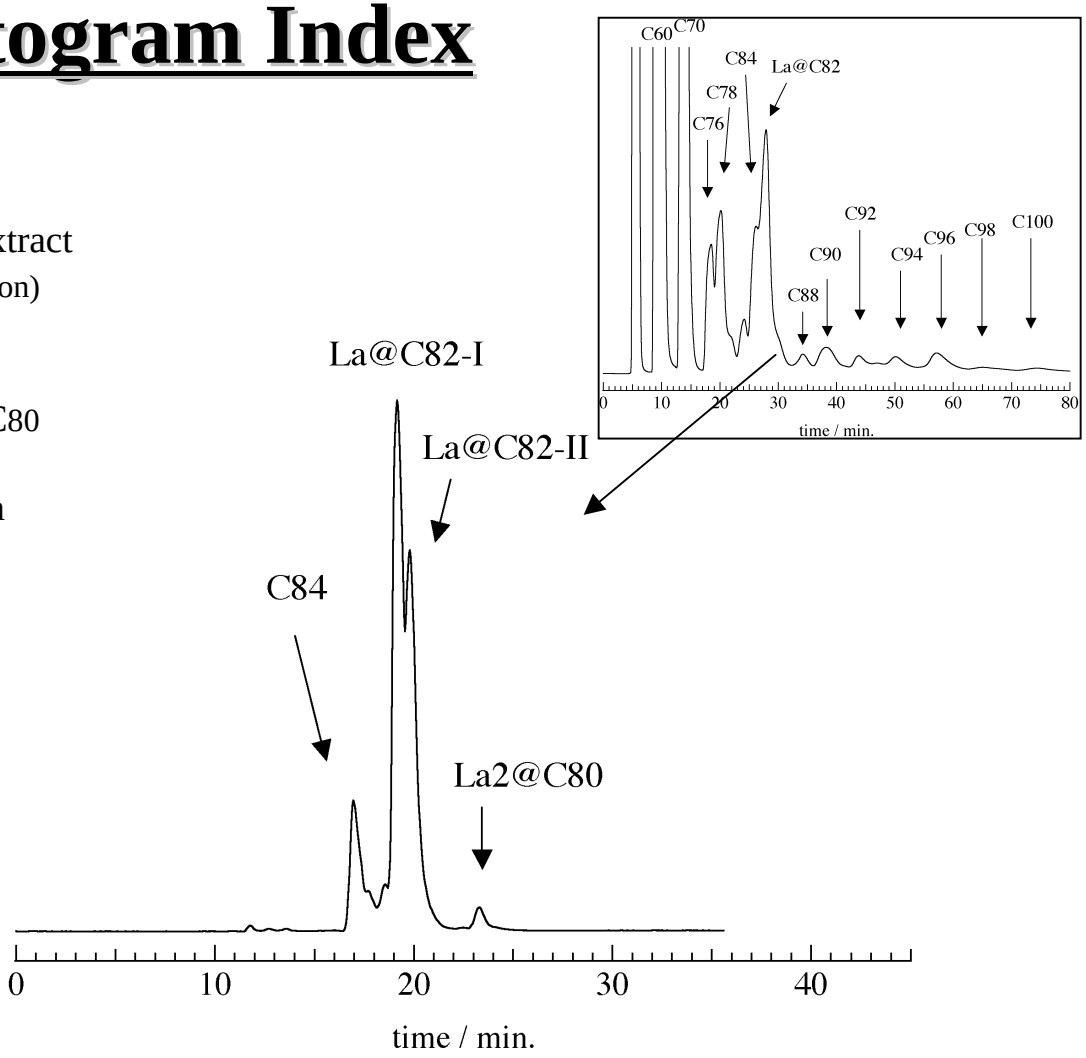
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

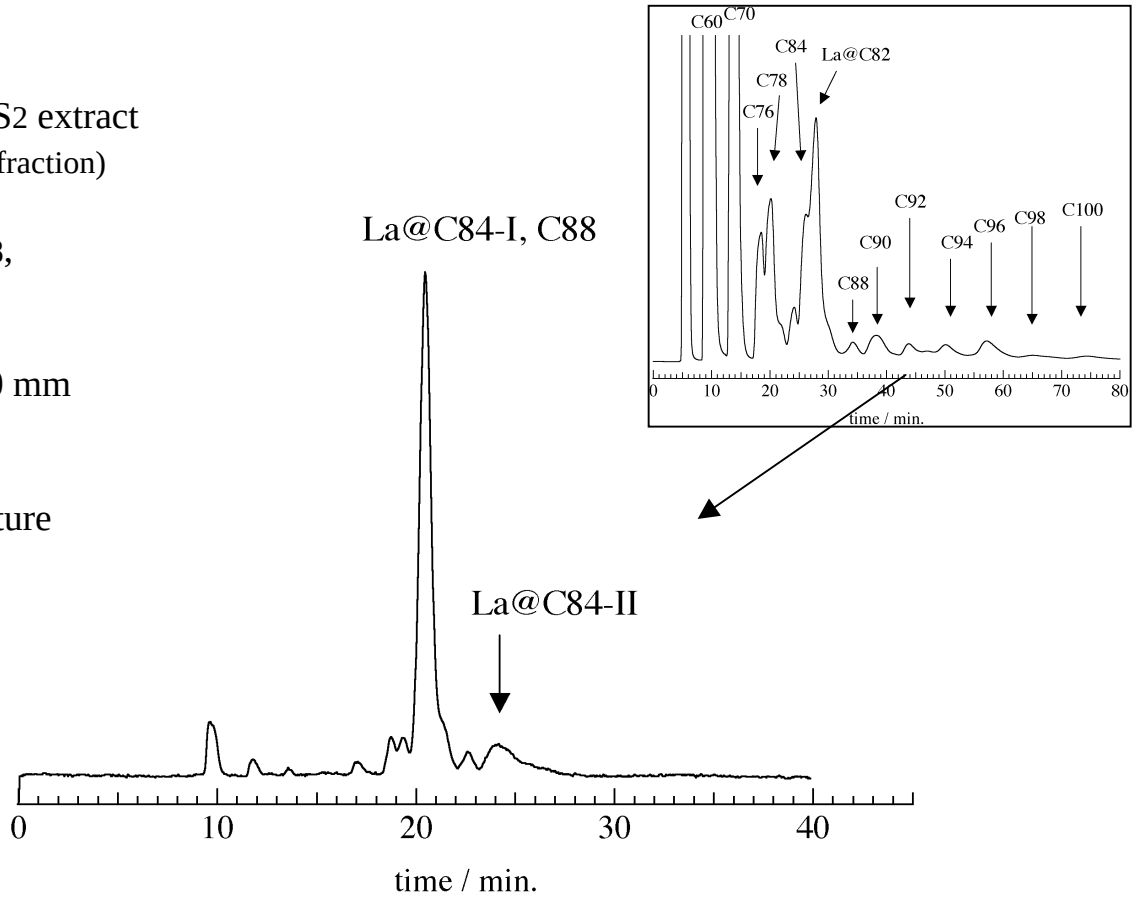
Sample:	La-fullerene CS_2 extract (PBB-27-30 min fraction)
CAS No.:	-
Molecular formula:	C_{84}, La@C_{82}-I, La@C_{82}-II, La_2@C_{80}
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 ml



Data courtesy of
Prof. Tatsuhisa Kato (Josai University)
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

Sample:	La-fullerene CS_2 extract (PBB-33-36 min fraction)
CAS No.:	-
Molecular formula:	La@C84-I, C88, La@C84-II
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	100 μl



Data courtesy of
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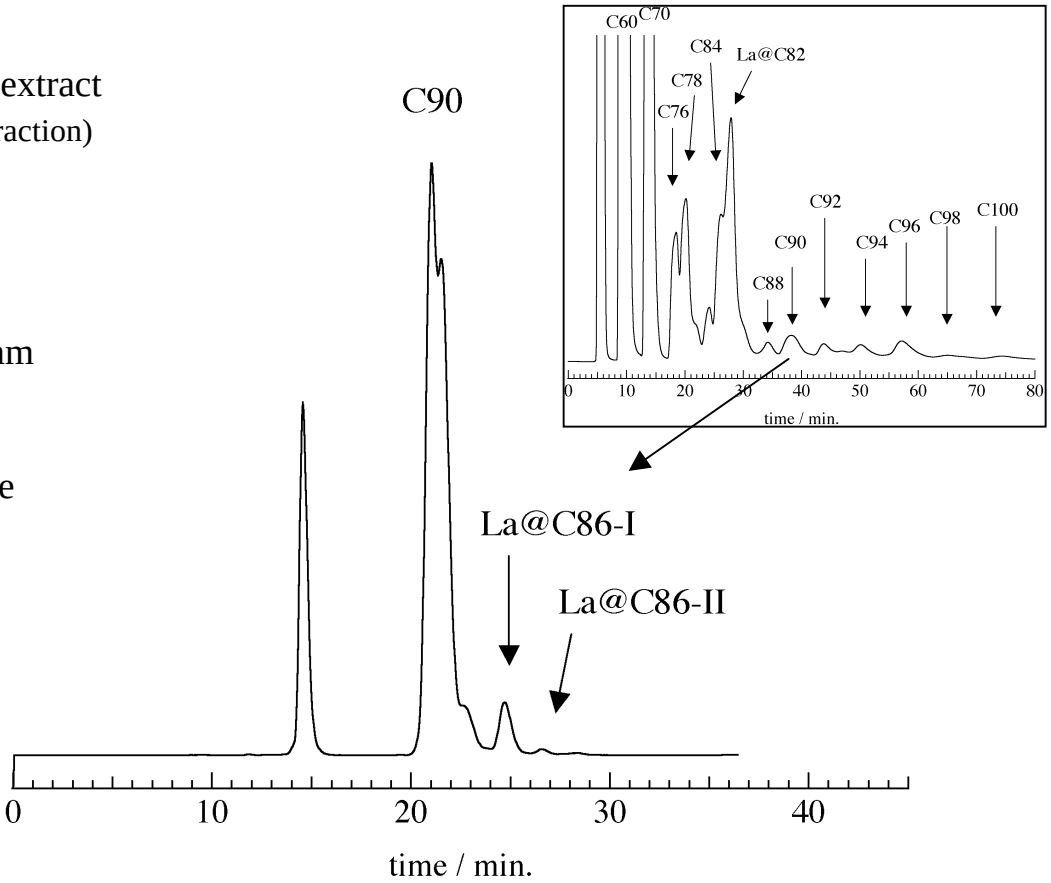
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

Sample:	La-fullerene CS_2 extract (PBB-36-41.5 min fraction)
CAS No.:	-
Molecular formula:	C_{90}, La@C_{86}-I, La@C_{86}-II
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2.0 ml



Data courtesy of
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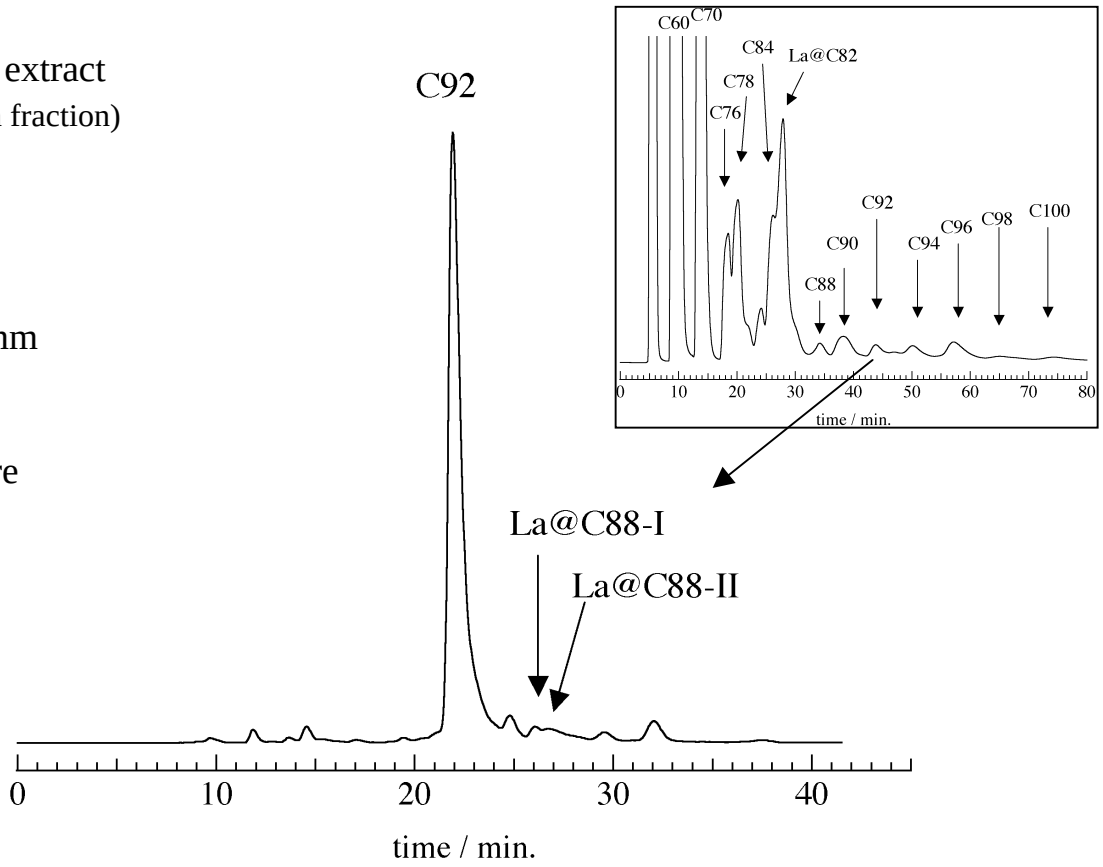
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

Sample:	La-fullerene CS_2 extract (PBB-43.5-47.5 min fraction)
CAS No.:	-
Molecular formula:	C_{92}, La@C_{88}-I, La@C_{88}-II
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2.0 ml



Data courtesy of
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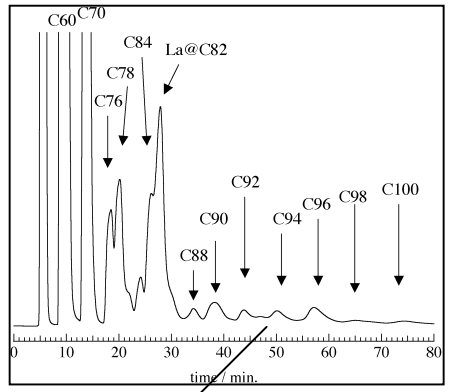
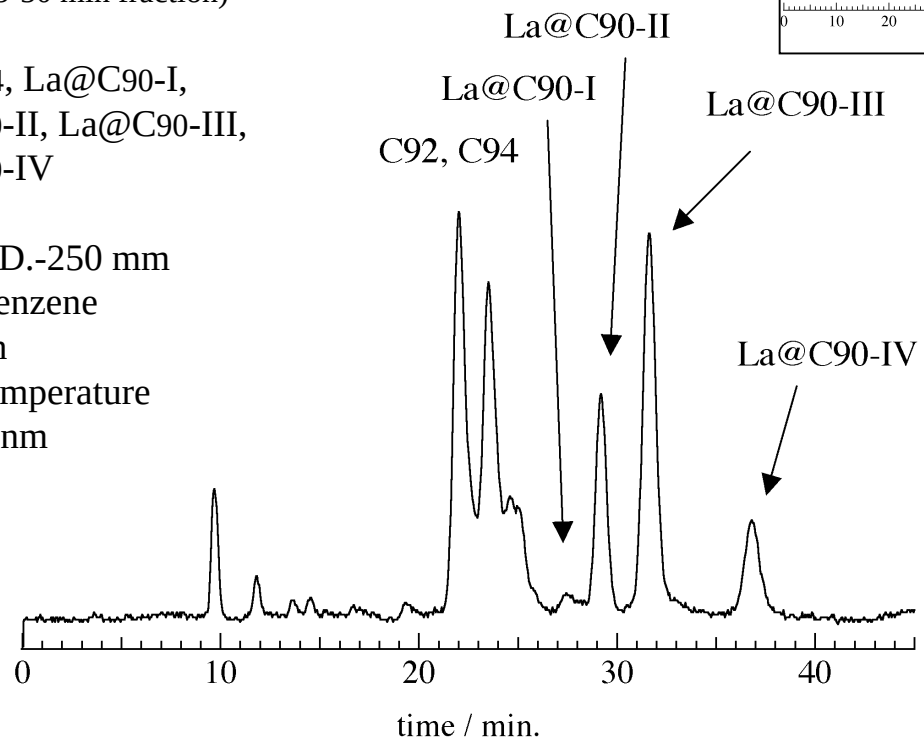
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

Sample:	La-fullerene CS_2 extract (PBB-47.5-50 min fraction)
CAS No.:	-
Molecular formula:	C_{92}, C_{94}, La@C_{90}-I, La@C_{90}-II, La@C_{90}-III, La@C_{90}-IV
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Chlorobenzene
Flow rate:	6 ml/min
Temperature:	Room temperature
Detection:	UV 330 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	25 μl

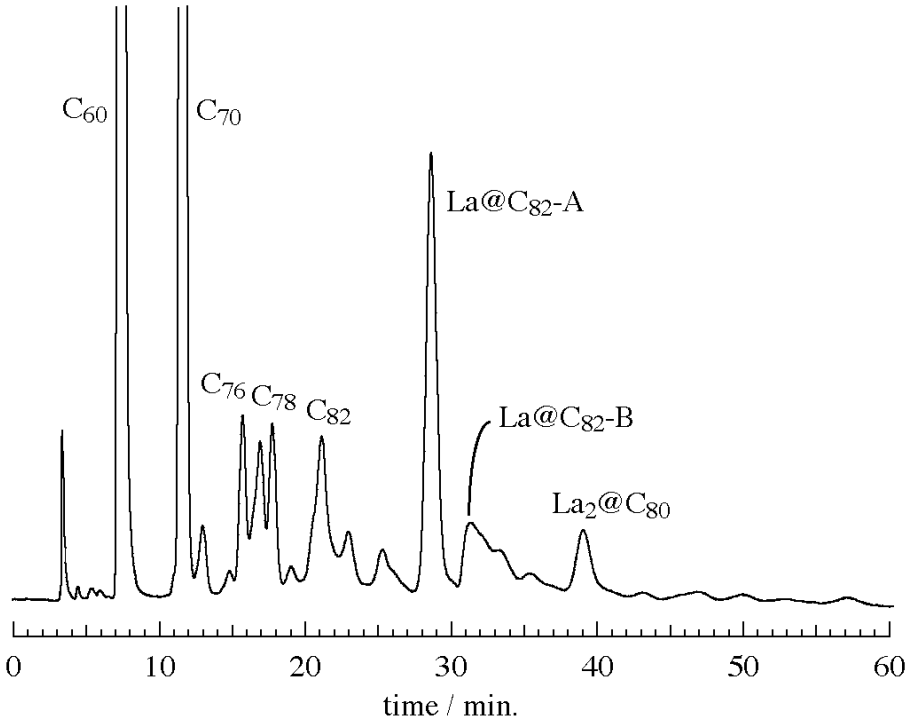




Data courtesy of
Prof. Tatsuhisa Kato (Josai University)
Dr. Shingo Okubo (National Institute of Advanced Industrial Science and Technology)

Fullerene Chromatogram Index

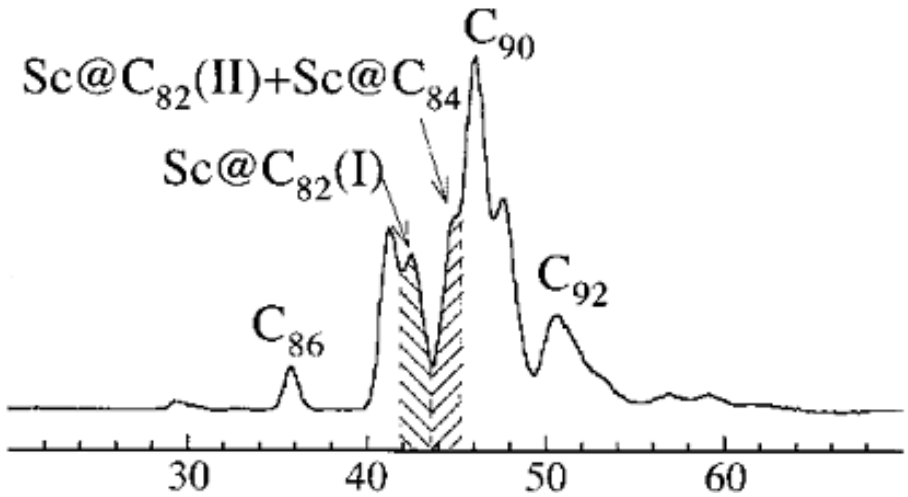
Sample:	La-fullerene TCB extract
CAS No.:	-
Molecular formula:	C_{60}, C_{70}, C_{76}, C_{78}, C_{82}, La@C_{82}-A, La@C_{82}-B, La_2@C_{80}
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 313 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	20 μl



Data courtesy of
Prof. Takeshi Akasaka (Center for Tsukuba Advanced Research Alliance (TARA Center), University of Tsukuba, Tsukuba, Ibaraki 305-8577, Japan)

Fullerene Chromatogram Index

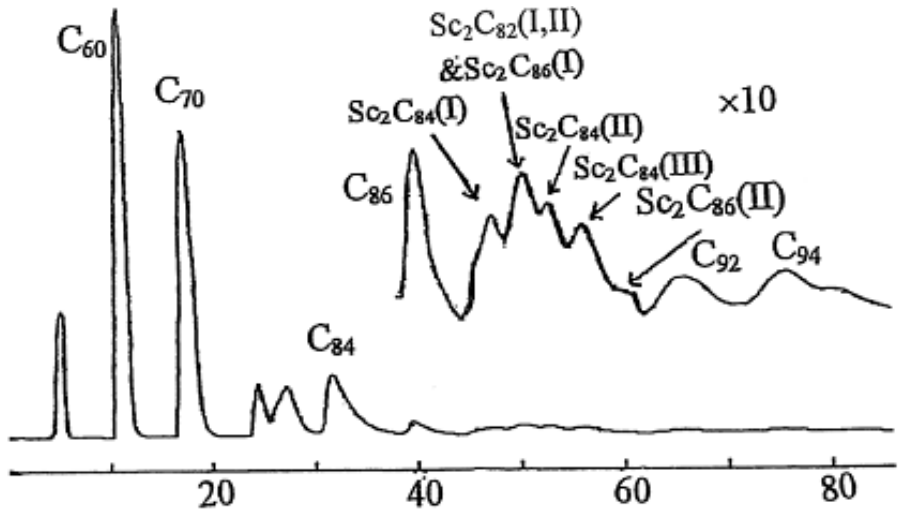
Sample:	Sc-monometallofullerene
CAS No.:	-
Molecular formula:	$Sc@C_{82}$, $Sc@C_{84}$
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 280 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *J. Phys. Chem. B.*, **2000**, *104*, 7595-7599.

Fullerene Chromatogram Index

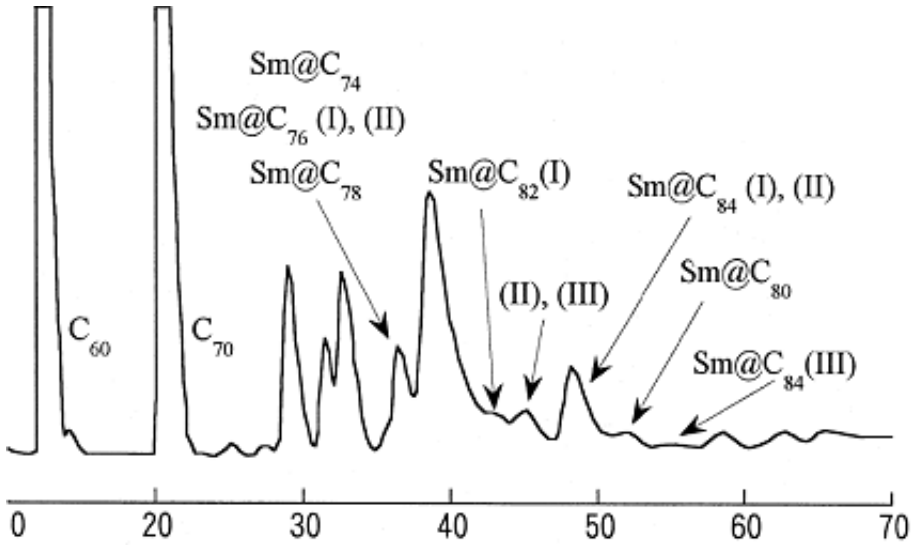
Sample:	Sc-dimetallofullerene
CAS No.:	-
Molecular formula:	$Sc_2@C_{82\sim86}$
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *Chem. Phys. Lett.*, **1999**, ***300***. 379-384.

Fullerene Chromatogram Index

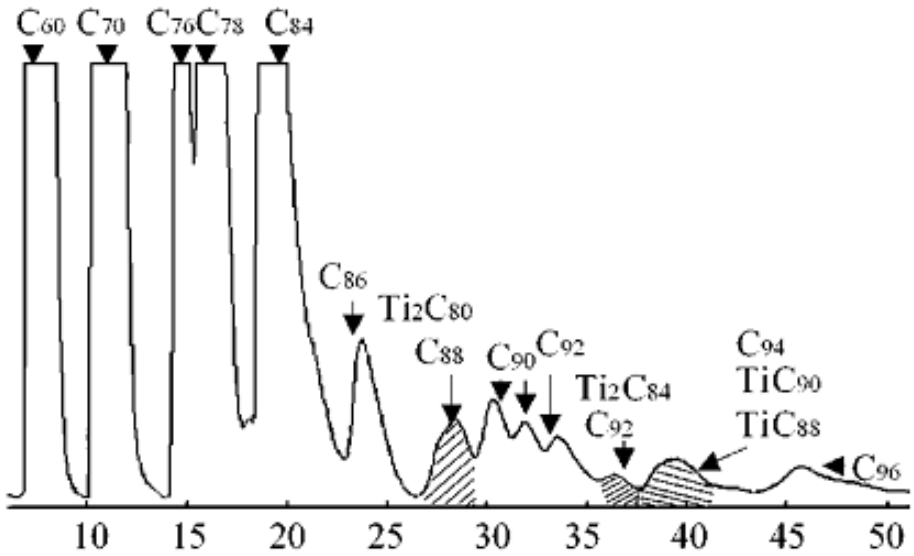
Sample:	Sm-monometallofullerene
CAS No.:	-
Molecular formula:	Sm@C74～84
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *Chem. Phys. Lett.*, **2000**, ***320***, 435-440.

Fullerene Chromatogram Index

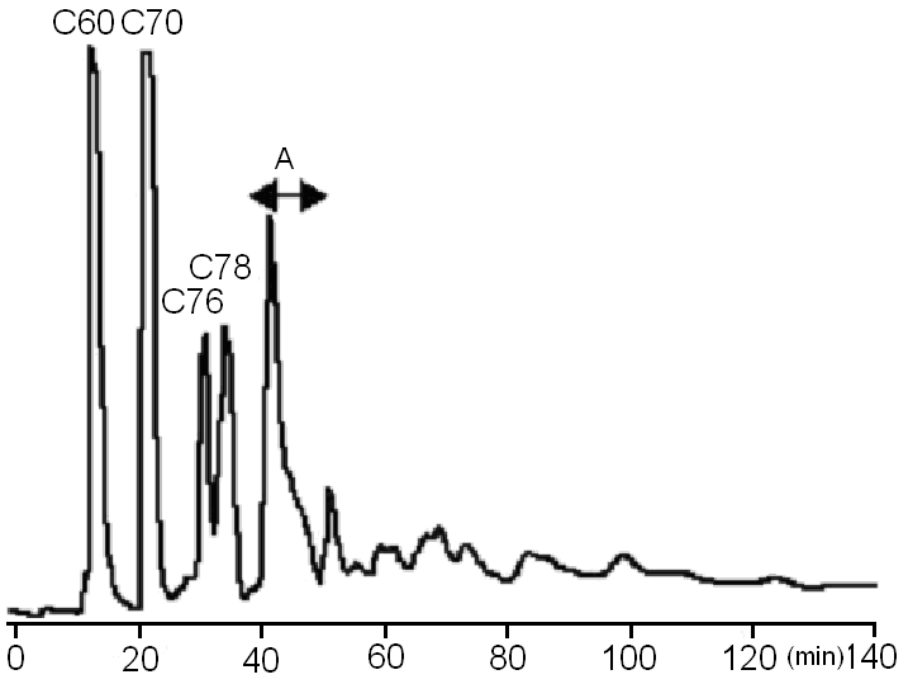
Sample:	Ti-dimetallofullerene
CAS No.:	-
Molecular formula:	$Ti_2@C_{80}$, $Ti_2@C_{84}$
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *J. Am. Chem. Soc.*, **2001**, *123*, 9679-9680.

Fullerene Chromatogram Index

Sample:	Empty fullerenes and Tm-metallofullerenes
CAS No.:	-
Molecular formula:	C_{60}, C_{70}, C_{76}, C_{78}
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
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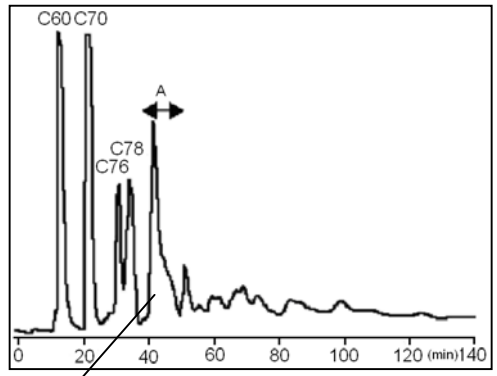
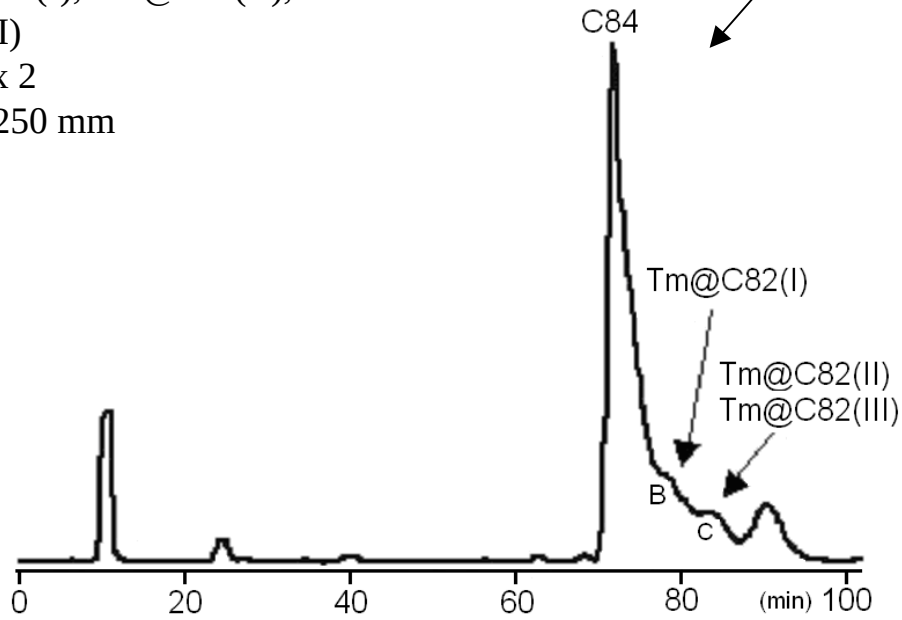
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

Sample:	Empty fullerenes and Tm-metallofullerenes (Buckyprep-Fraction A)
CAS No.:	-
Molecular formula:	C_{84}, Tm@C_{82}(I), Tm@C_{82}(II), Tm@C_{82}(III)
Column:	Buckyprep x 2
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-





Data courtesy of
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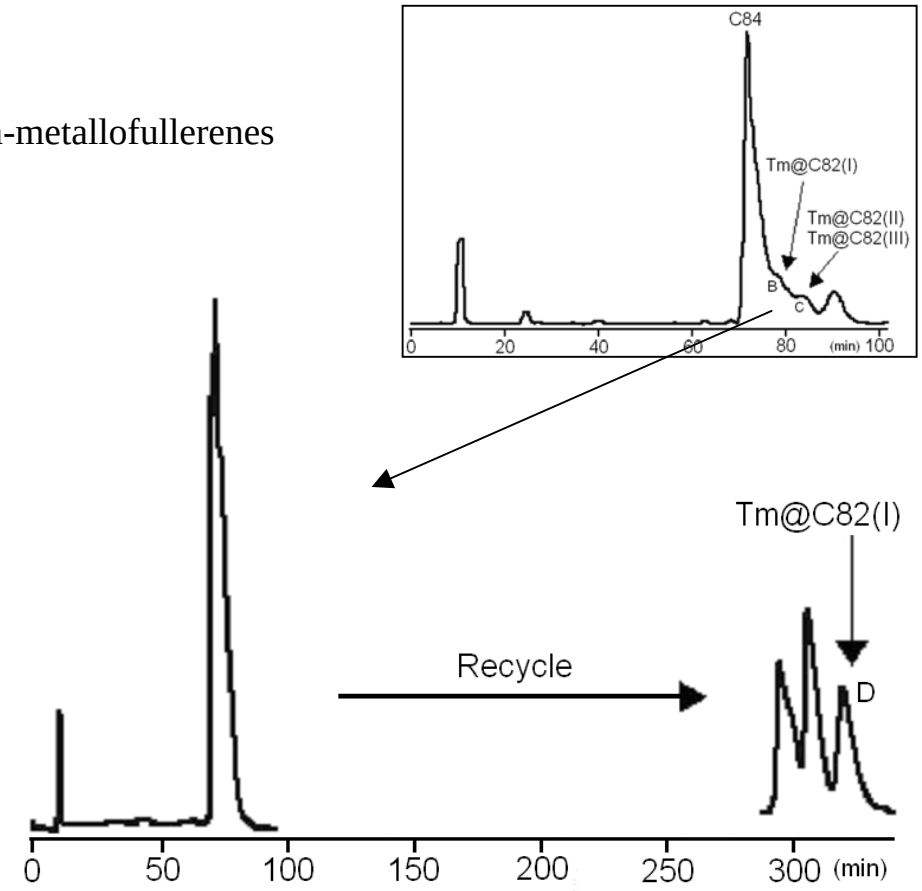
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

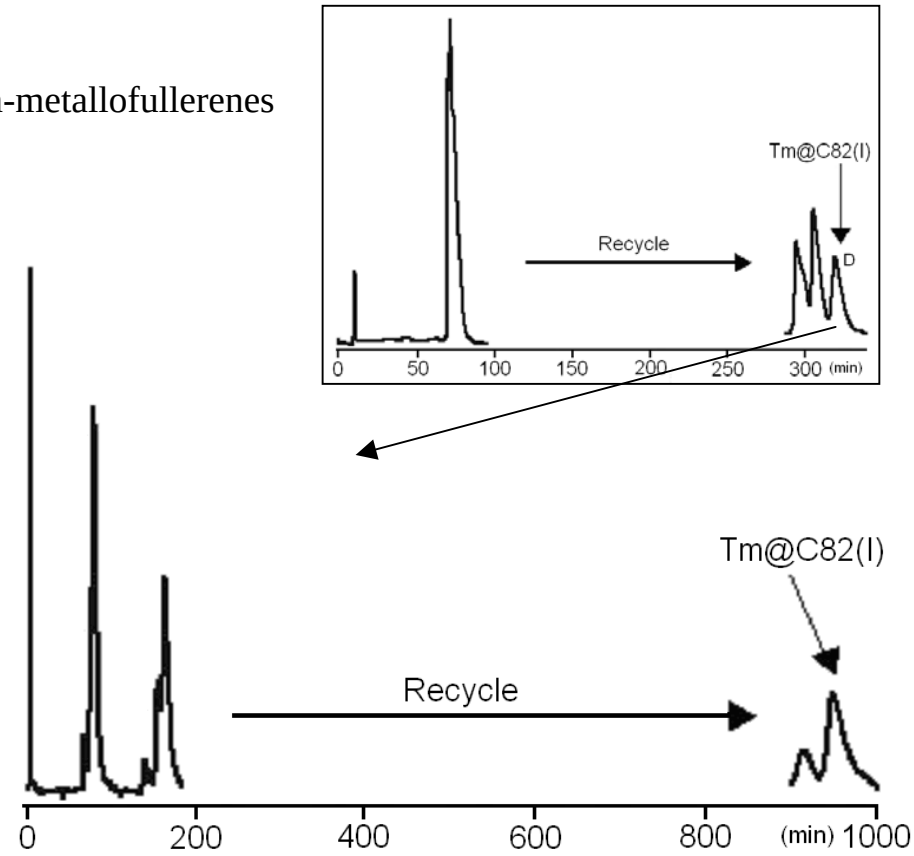
Sample:	Empty fullerenes and Tm-metallofullerenes (Buckyprep-Fraction B)
CAS No.:	-
Molecular formula:	Tm@C82(I)
Column:	Buckyprep x 2
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Dr. Takeshi Kodama, Dr. Shinzo Suzuki, Prof. Koichi Kikuchi
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

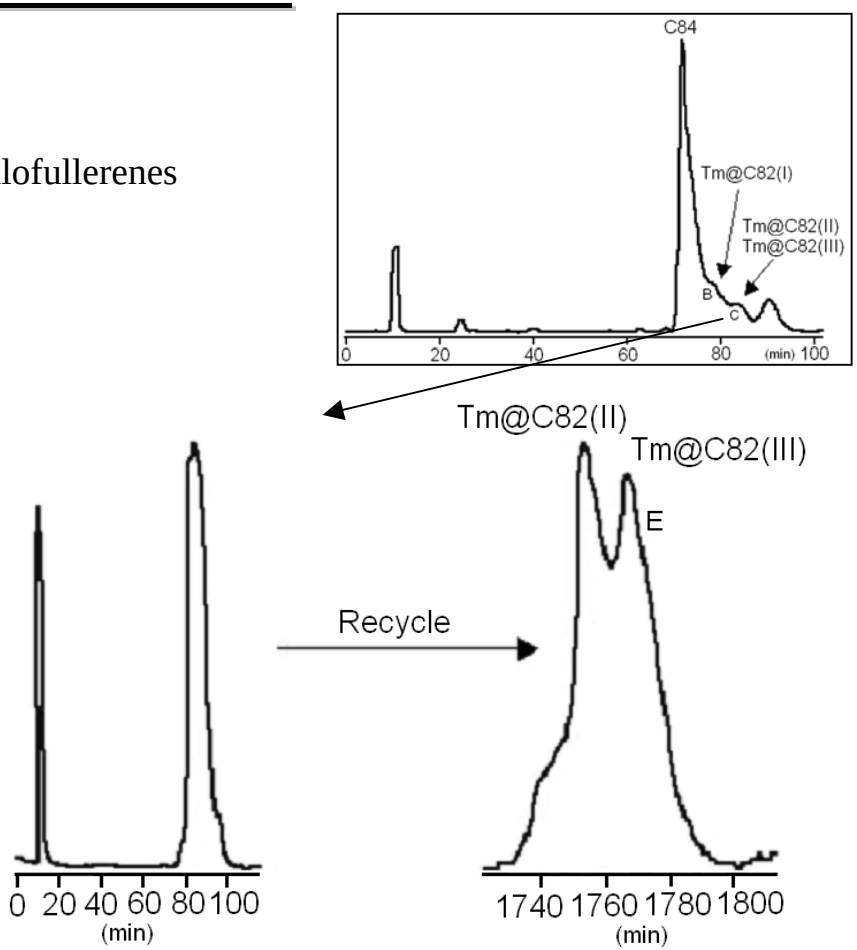
Sample:	Empty fullerenes and Tm-metallofullerenes (Buckyprep-Fraction D)
CAS No.:	-
Molecular formula:	Tm@C82(I)
Column:	5PBB
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Dr. Takeshi Kodama, Dr. Shinzo Suzuki, Prof. Koichi Kikuchi
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

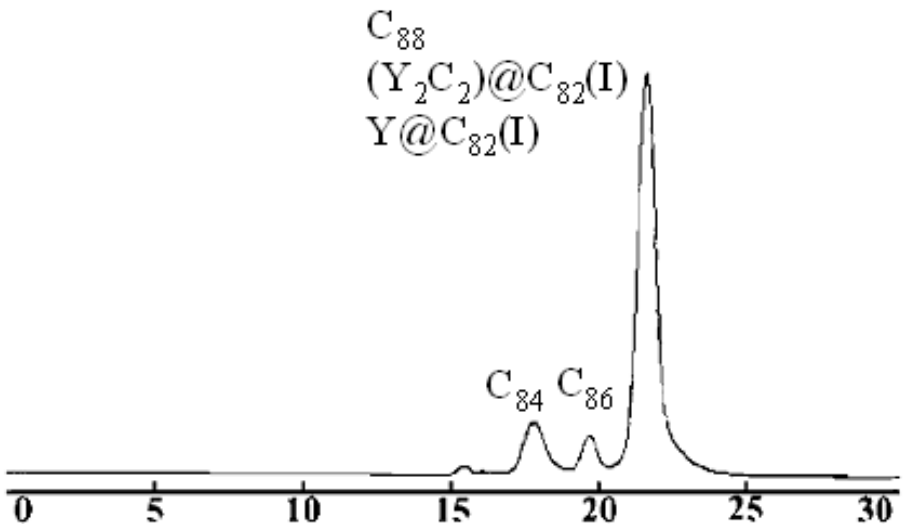
Sample:	Empty fullerenes and Tm-metallofullerenes (Buckyprep-Fraction C)
CAS No.:	-
Molecular formula:	Tm@C82(II), Tm@C82(III)
Column:	Buckyprep x2
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	-
Detection:	UV 340 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Dr. Takeshi Kodama, Dr. Shinzo Suzuki, Prof. Koichi Kikuchi
Prof. Yohji Achiba
(Department of Chemistry, Tokyo Metropolitan University)

Fullerene Chromatogram Index

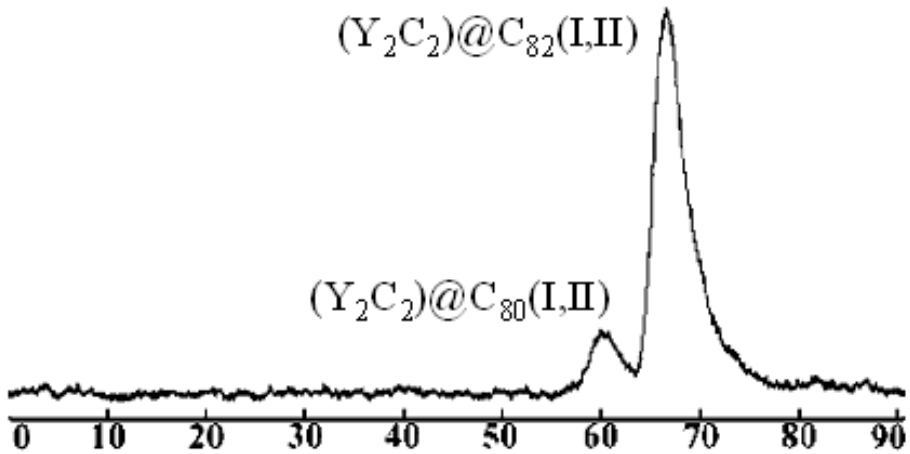
Sample:	Y-mono&dimetallofullerene
CAS No.:	-
Molecular formula:	$Y_2C_2@C_{82}$, $Y@C_{82}$
Column:	5PYE
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	18 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *J. Phys. Chem. B.*, **2004**, *108*, 7573-7579.

Fullerene Chromatogram Index

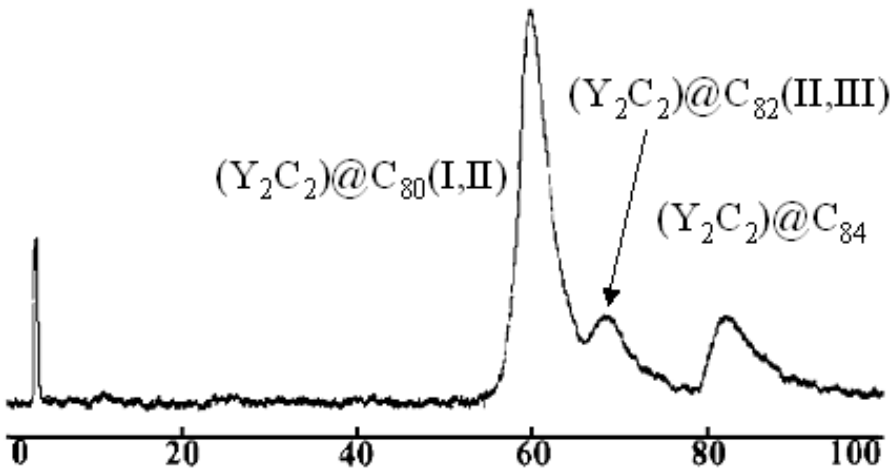
Sample:	Y-dimetallofullerene
CAS No.:	-
Molecular formula:	$(Y_2C_2)@C_{80}$, $(Y_2C_2)@C_{82}$
Column:	5PBB
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	20 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *J. Phys. Chem. B.*, **2004**, *108*, 7573-7579.

Fullerene Chromatogram Index

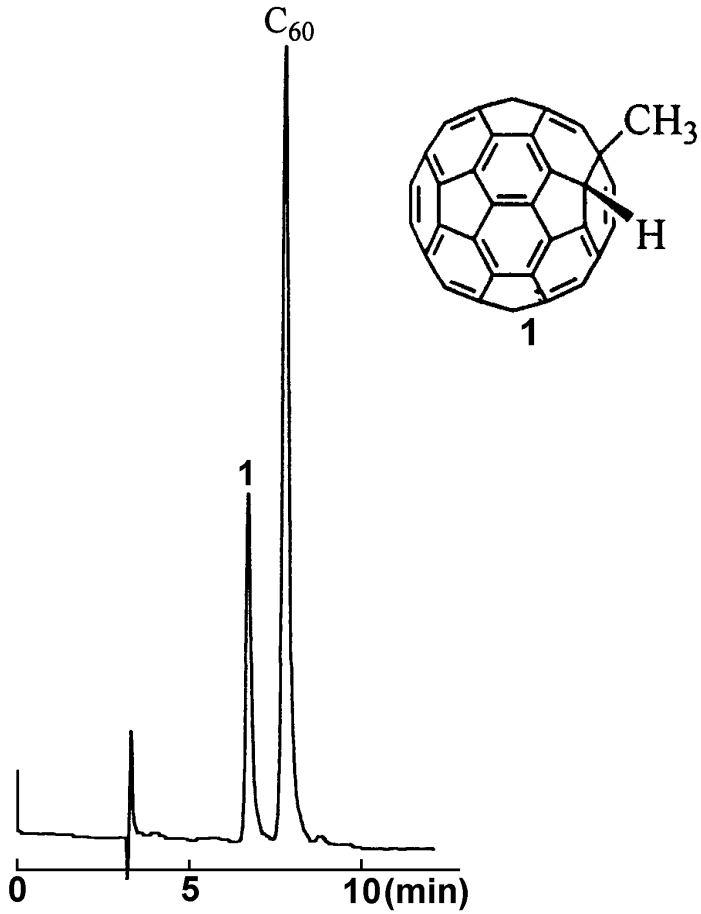
Sample:	Y-dimetallofullerene
CAS No.:	-
Molecular formula:	$(Y_2C_2)@C_{80\sim84}$
Column:	5PBB
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	20 ml/min
Temperature:	Room temperature
Detection:	UV 312 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hisanori Shinohara, Mr. Yasuhiro Ito
(Department of Chemistry, Nagoya University)
Ref. *J. Phys. Chem. B.*, **2004**, ***108***, 7573-7579.

Fullerene Chromatogram Index

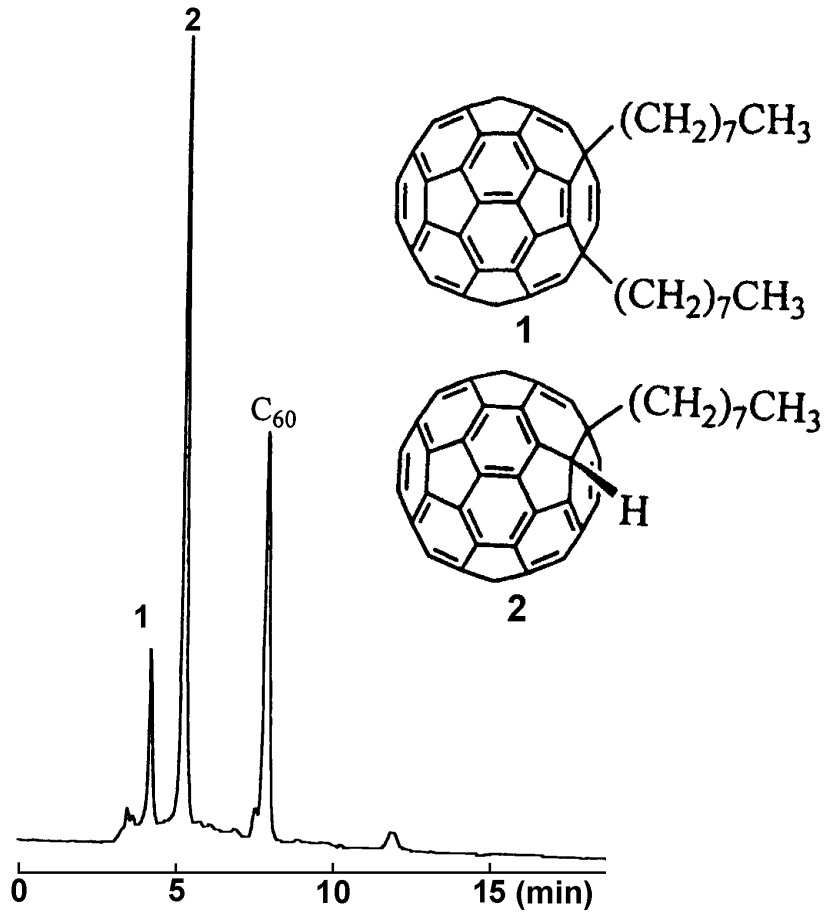
Sample:	1,2-$C_{60}(CH_3)H$
CAS No.:	-
Molecular formula:	$C_{61}H_4$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

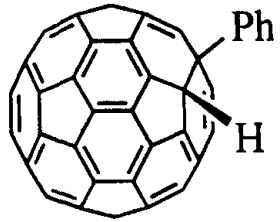
Sample:	1,4-$C_{60}[(CH_2)_7CH_3]_2$, 1,2-$C_{60}[(CH_2)_7CH_3]H$
CAS No.:	-
Molecular formula:	$C_{76}H_{34}$, $C_{68}H_{18}$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

Sample:	1,2-C_{60}(Ph)H
CAS No.:	-
Molecular formula:	$C_{66}H_6$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



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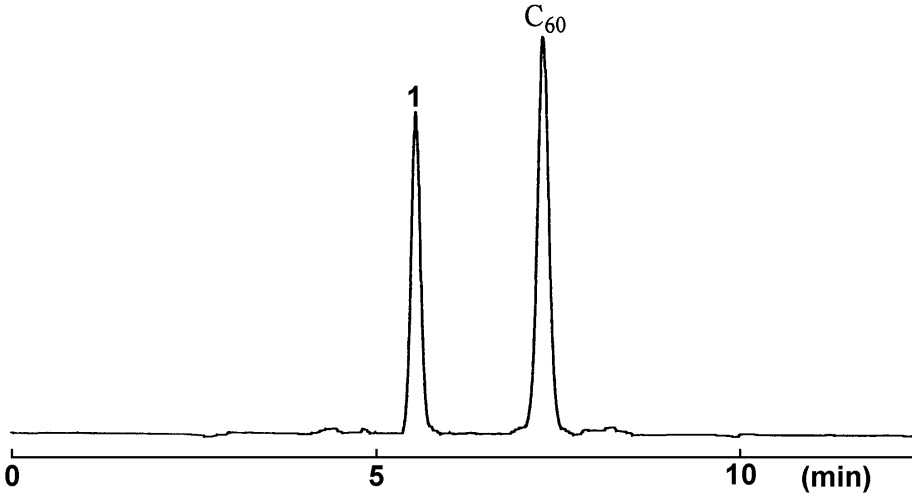
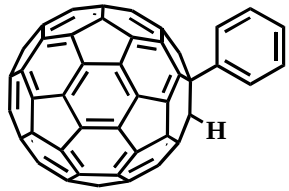


Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

Sample:	1-Phenyl-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{66}H_6$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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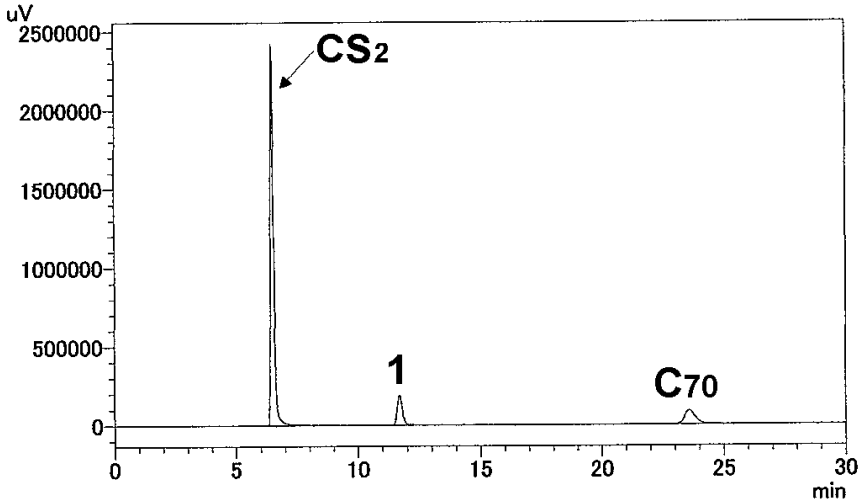
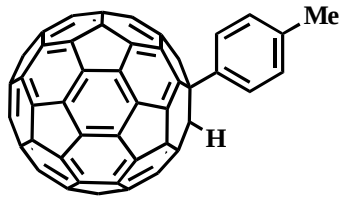


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1-(4-Methylphenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{67}H_8$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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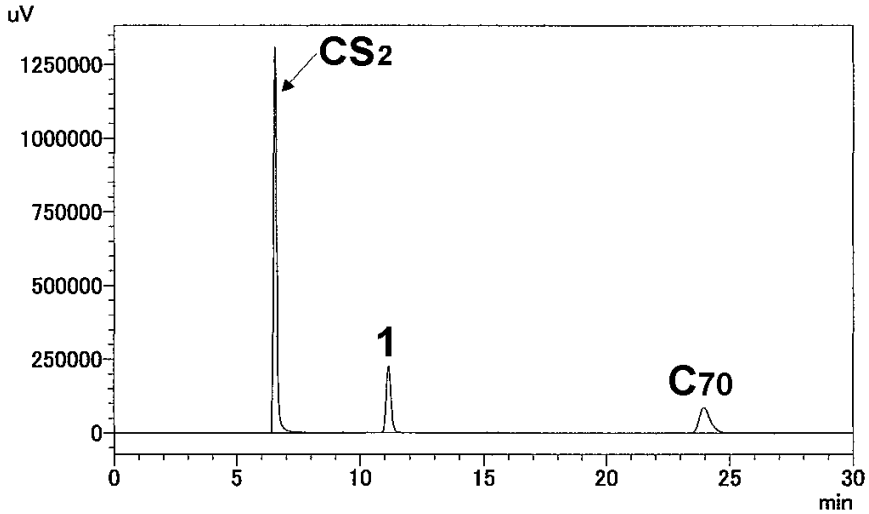
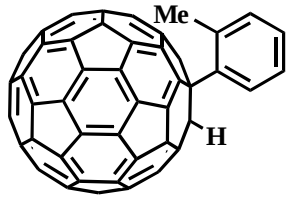


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1-(2-Methylphenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{67}H_8$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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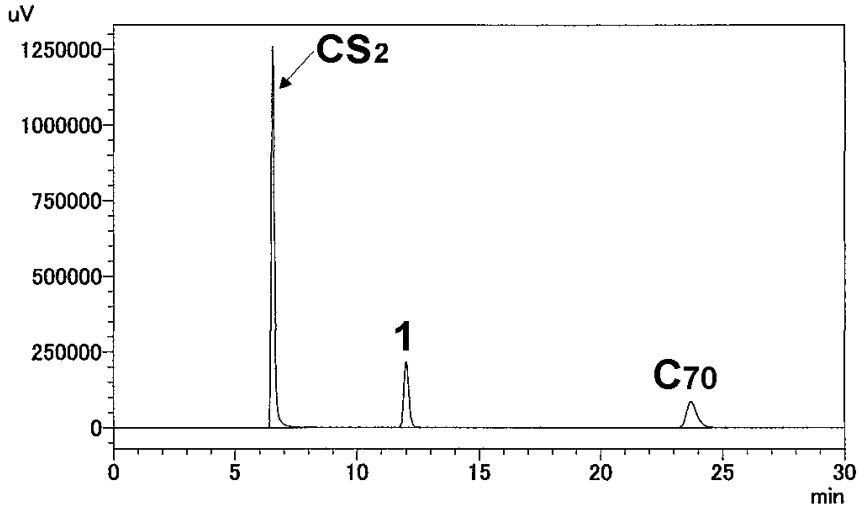

Data courtesy of
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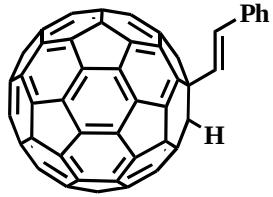
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1-[(*E*)-Styryl]-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{68}H_8$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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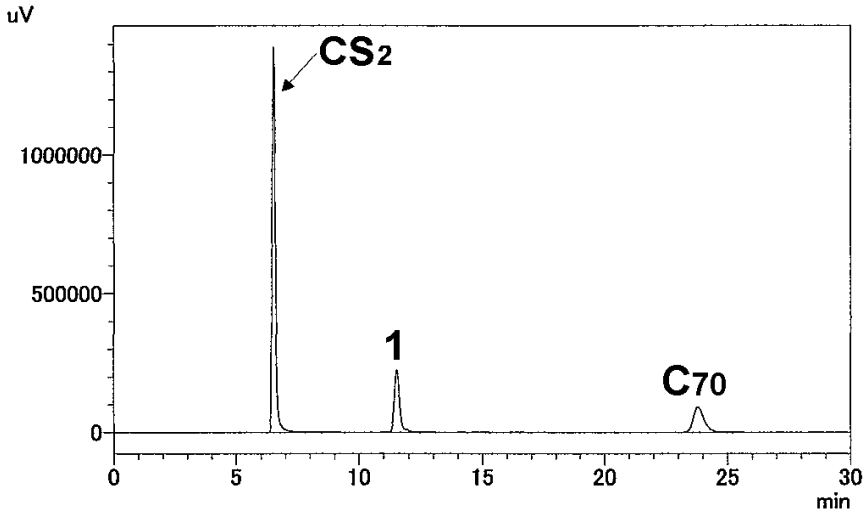

Data courtesy of
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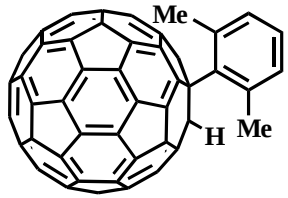
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1-(2,6-Dimethylphenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{68}H_{10}$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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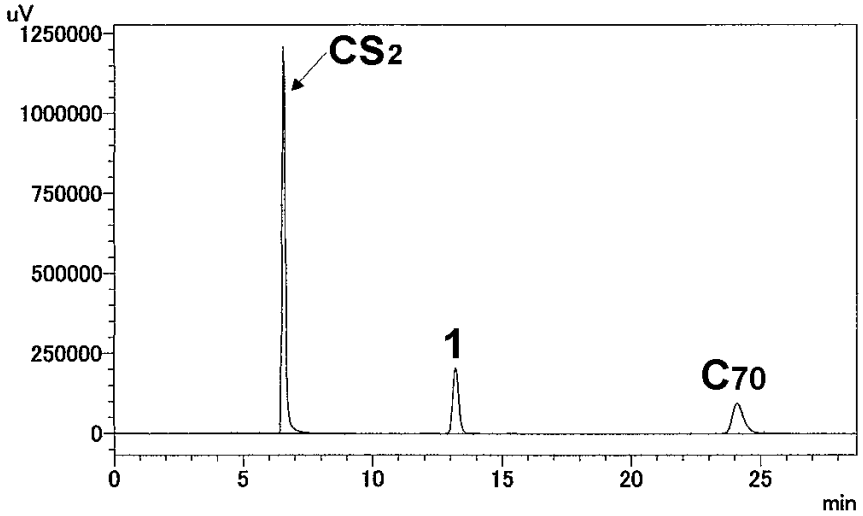
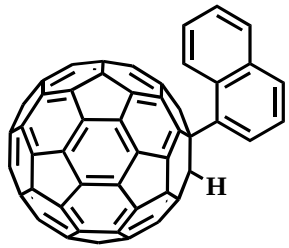


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1-(1-Naphthyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{70}H_8$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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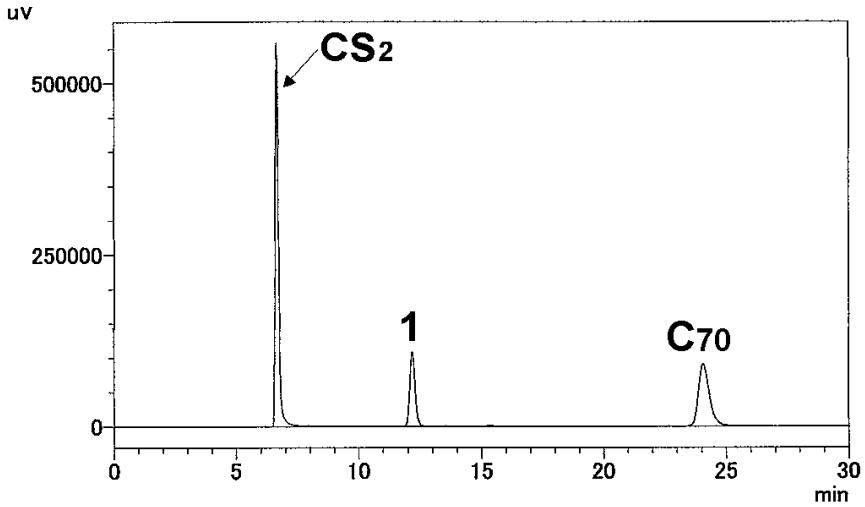
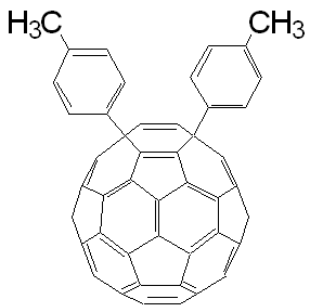


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

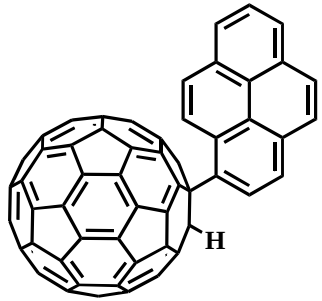
Sample:	1,4-bis(*p*-tolyl)-1,4-dihydro-[60] fullerene
CAS No.:	-
Molecular formula:	$C_{60}(p\text{-}C_6H_4CH_3)_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : Acetonitrile = 66 : 34
Flow rate:	1.0 ml/min
Temperature:	40℃
Detection:	UV 304 nm
Attenuation:	294 mAU
Sample conc.:	0.71 mg/ml
Injection volume:	5 μl



Data courtesy of
Yusuke Tajima, Dr. Sci. (Nano-Integration Materials Research Unit
RIKEN (Institute of Physics and Chemistry)),
2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Fullerene Chromatogram Index

Sample:	1-(1-Pyrenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{76}H_{10}$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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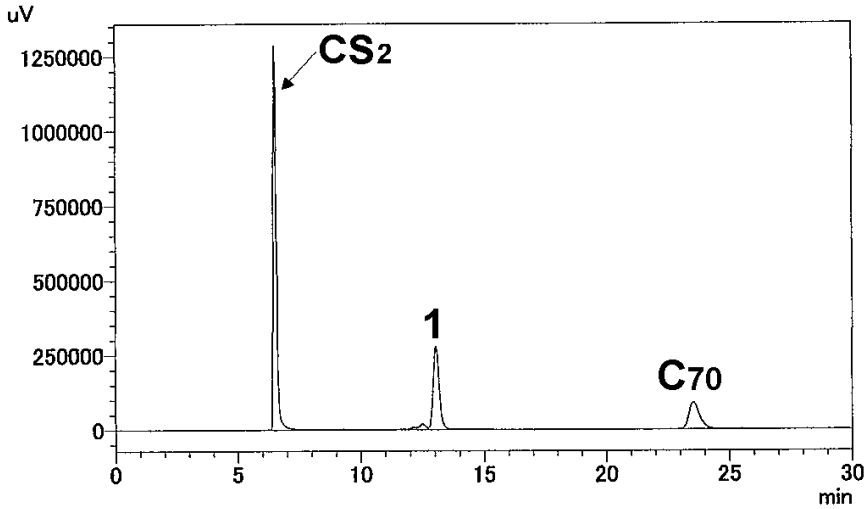
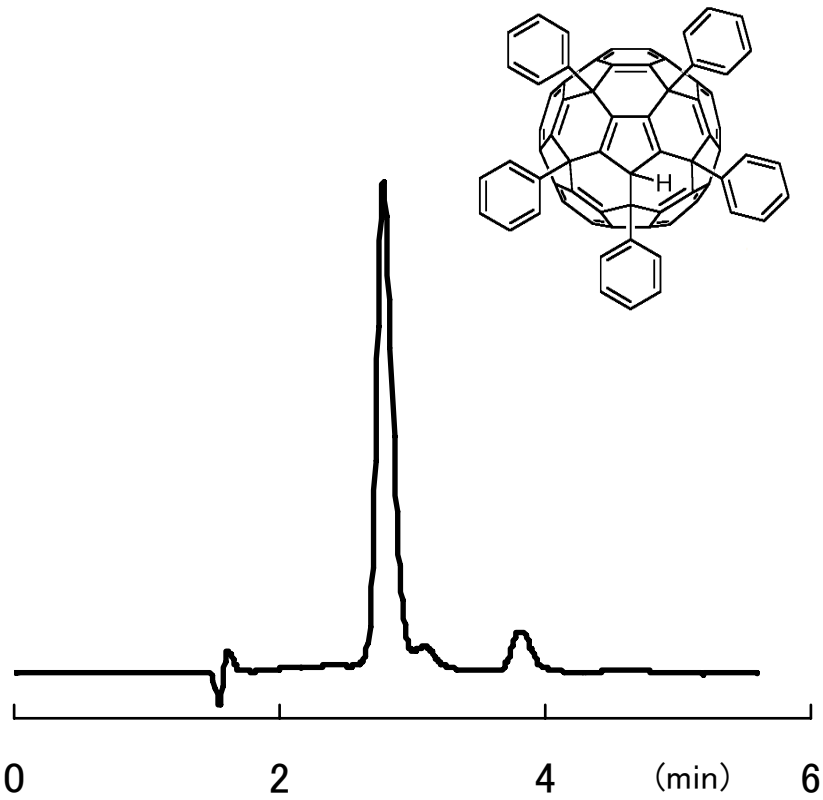


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

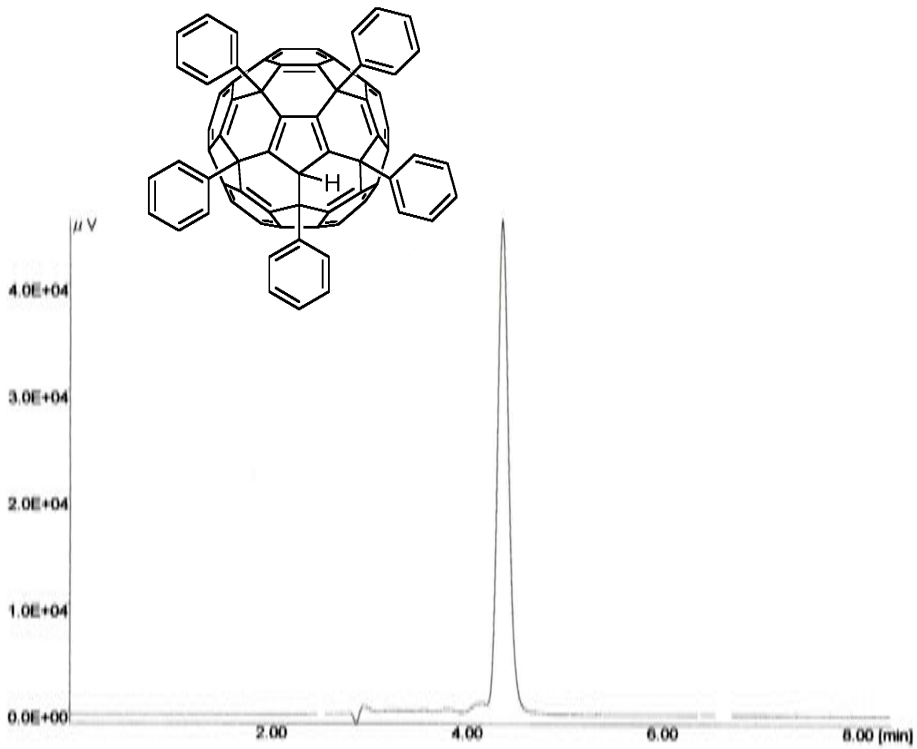
Sample:	$C_{60}Ph_5H$
CAS No.:	-
Molecular formula:	$C_{90}H_{26}$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



Data courtesy of
Dr. Yutaka Matsuo and Prof. Eiichi Nakamura (Nakamura Functional Carbon Cluster Project, ERATO, Japan Science and Technology Agency)

Fullerene Chromatogram Index

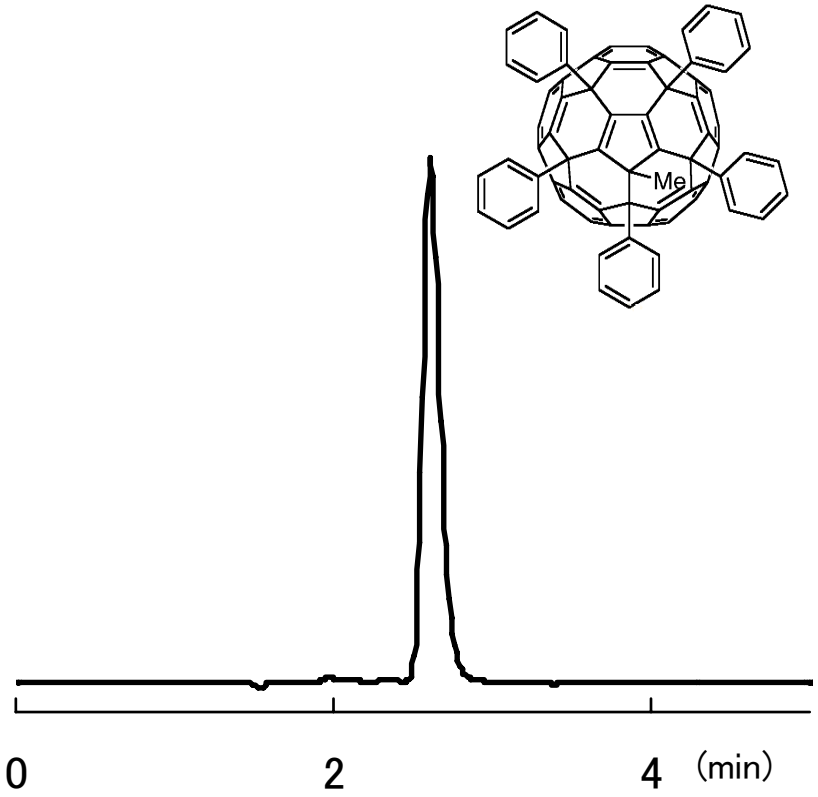
Sample:	$HC_{60}Ph_5$
CAS No.:	-
Molecular formula:	$C_{90}H_{26}$
Column:	$5C_{18}$-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

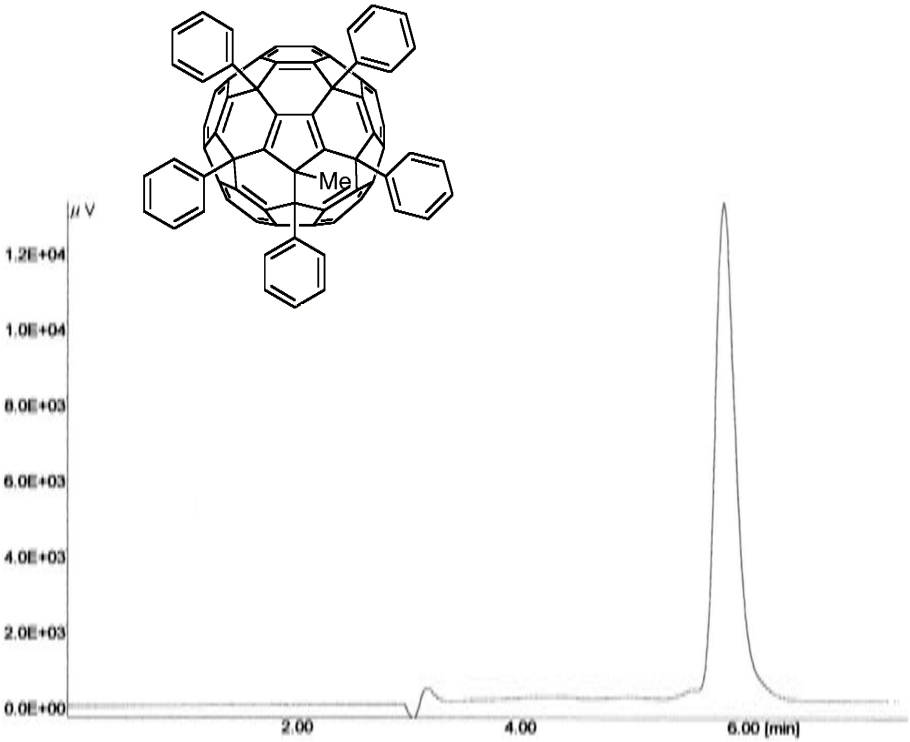
Sample:	$C_{60}Ph_5Me$
CAS No.:	-
Molecular formula:	$C_{91}H_{28}$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



Data courtesy of
Dr. Yutaka Matsuo and Prof. Eiichi Nakamura (Nakamura Functional Carbon Cluster Project, ERATO, Japan Science and Technology Agency)

Fullerene Chromatogram Index

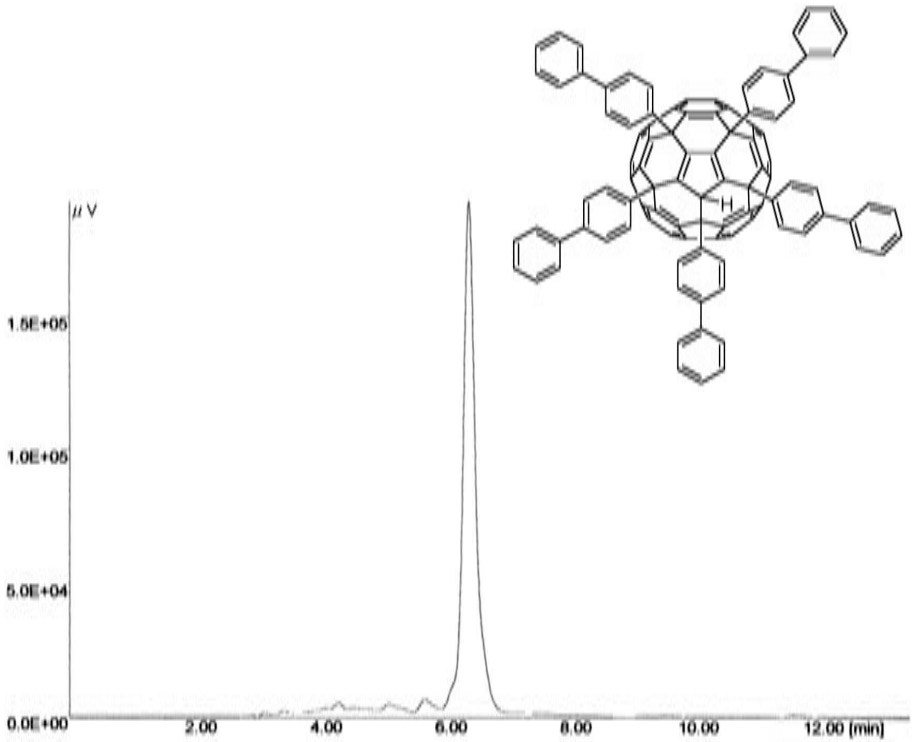
Sample:	$MeC_{60}Ph_5$
CAS No.:	-
Molecular formula:	$C_{91}H_{28}$
Column:	$5C_{18}$-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 20 : 80
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

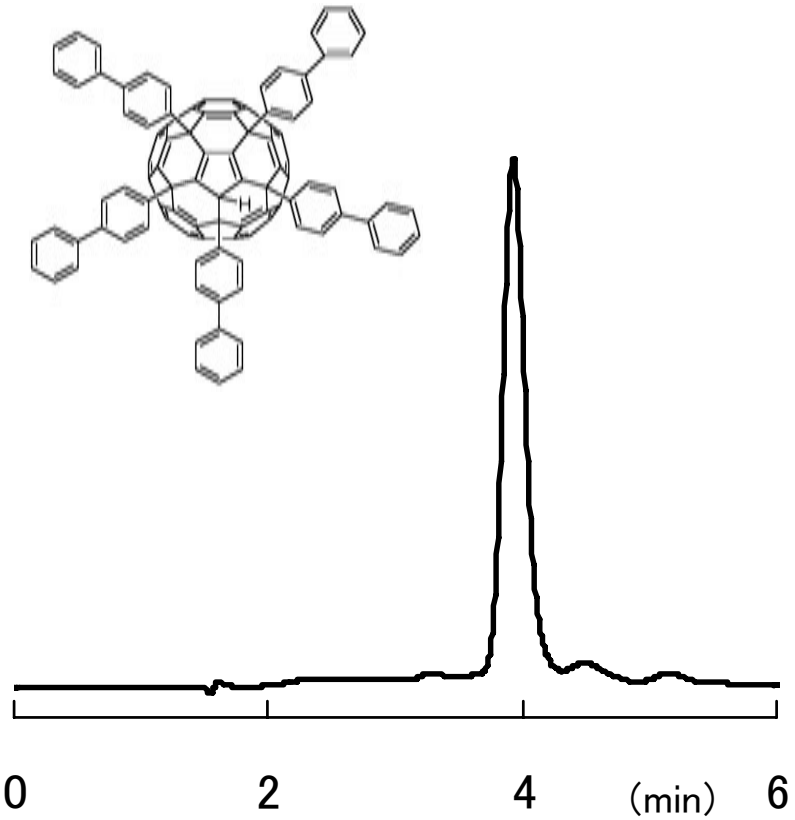
Sample:	$HC_{60}(biphenyl)_5$
CAS No.:	-
Molecular formula:	$C_{120}H_{46}$
Column:	$5C_{18}$-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 25 : 75
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

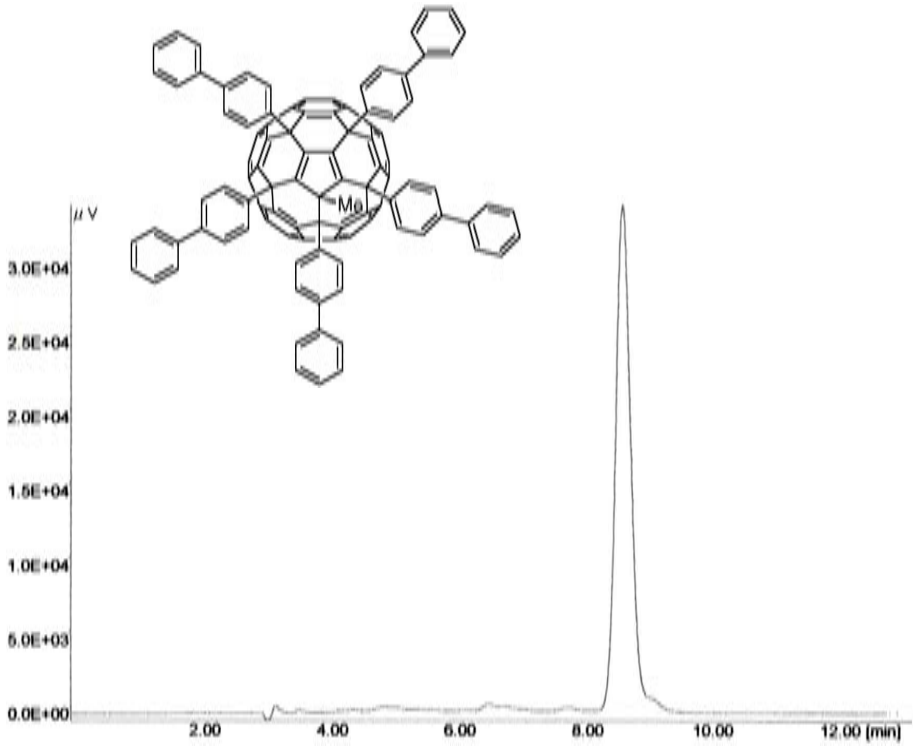
Sample:	C_{60}(biphenyl)$_5$H
CAS No.:	-
Molecular formula:	$C_{120}H_{46}$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



Data courtesy of
Dr. Yutaka Matsuo and Prof. Eiichi Nakamura (Nakamura Functional Carbon Cluster Project, ERATO, Japan Science and Technology Agency)

Fullerene Chromatogram Index

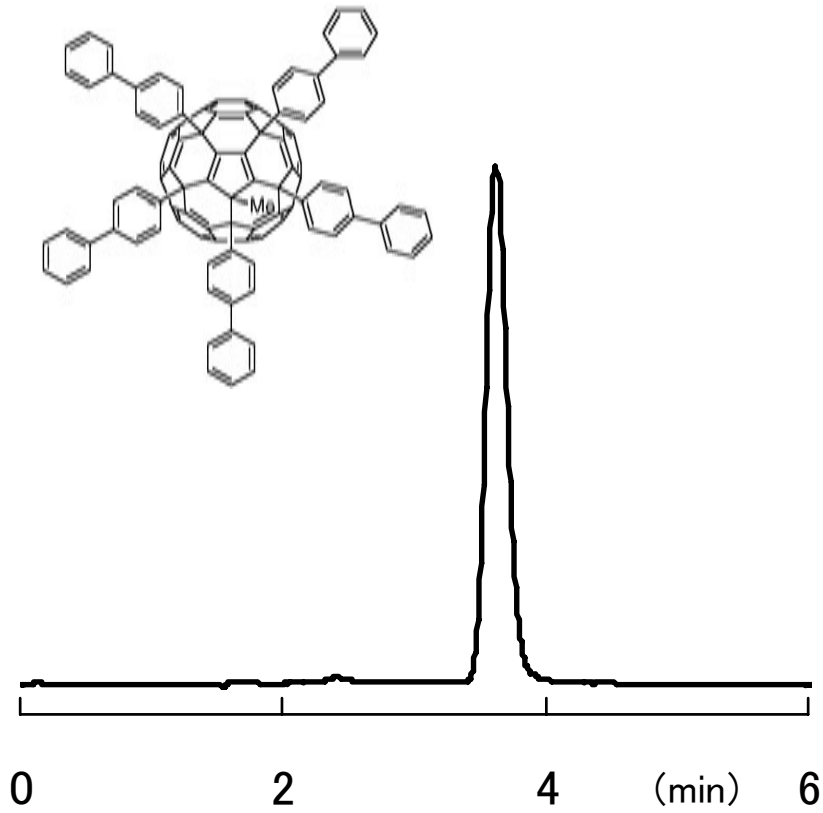
Sample:	$MeC_{60}(biphenyl)_5$
CAS No.:	-
Molecular formula:	$C_{121}H_{48}$
Column:	$5C_{18}$-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 20 : 80
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-



Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

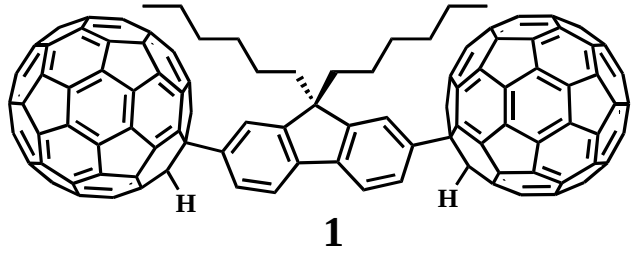
Sample:	C_{60}(biphenyl)$_5$Me
CAS No.:	-
Molecular formula:	$C_{121}H_{48}$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



Data courtesy of
Dr. Yutaka Matsuo and Prof. Eiichi Nakamura (Nakamura Functional Carbon Cluster Project, ERATO, Japan Science and Technology Agency)

Fullerene Chromatogram Index

Sample:	$HC_{60}(C_{25}H_{32})C_{60}H$
CAS No.:	-
Molecular formula:	$C_{145}H_{34}$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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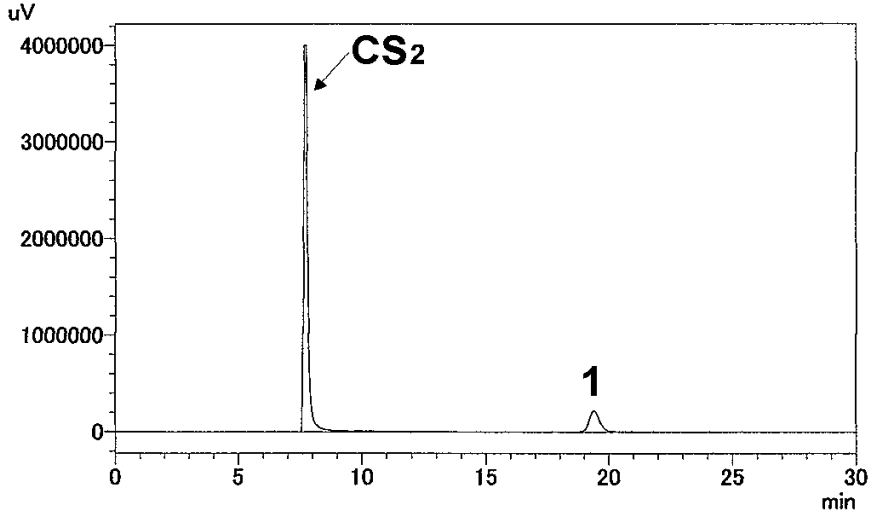
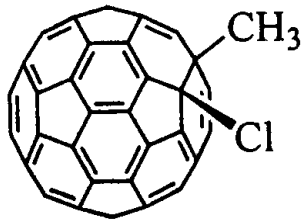
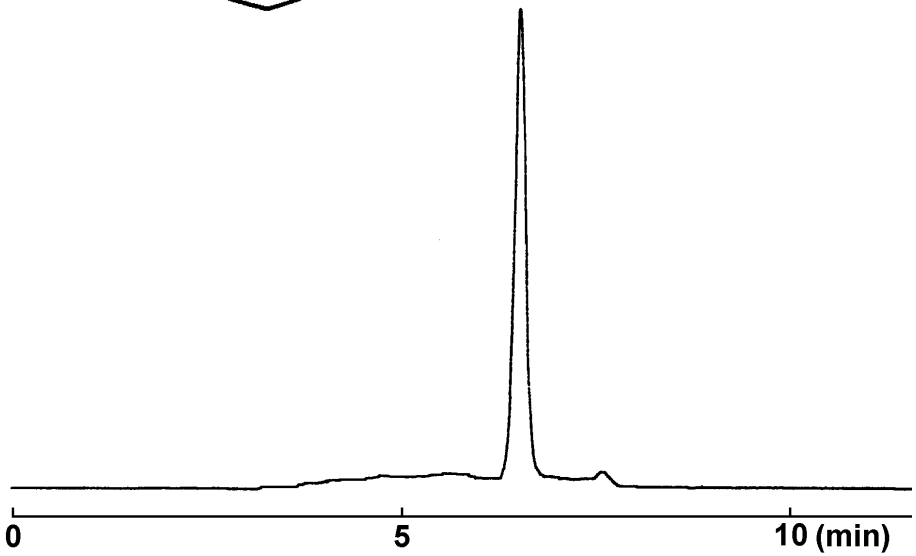


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1,2-$C_{60}(CH_3)Cl$
CAS No.:	-
Molecular formula:	$C_{61}H_3Cl$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)

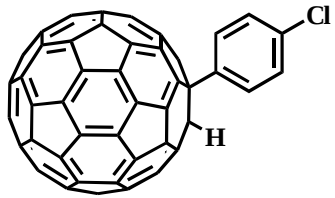




Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

Sample:	1-(4-Chlorophenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{66}H_5Cl$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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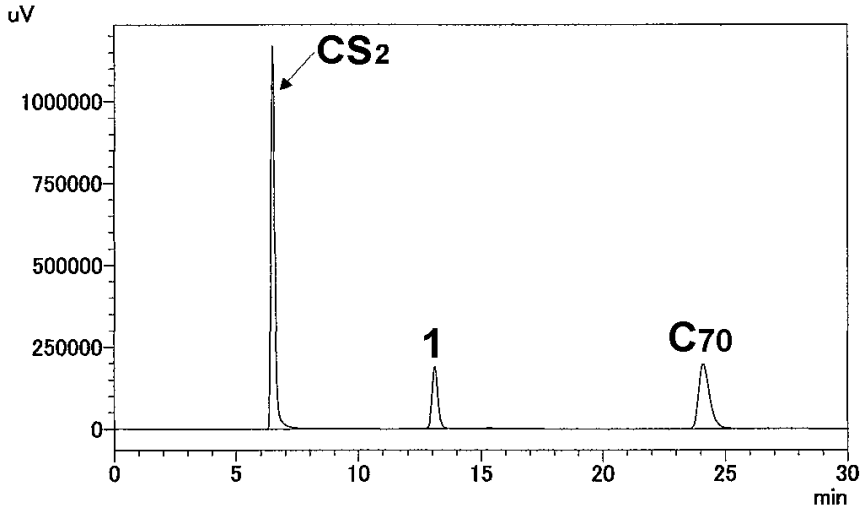
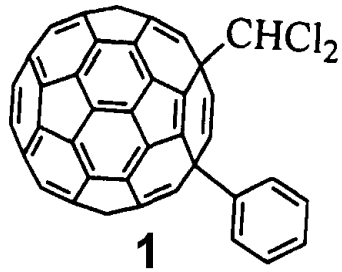


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

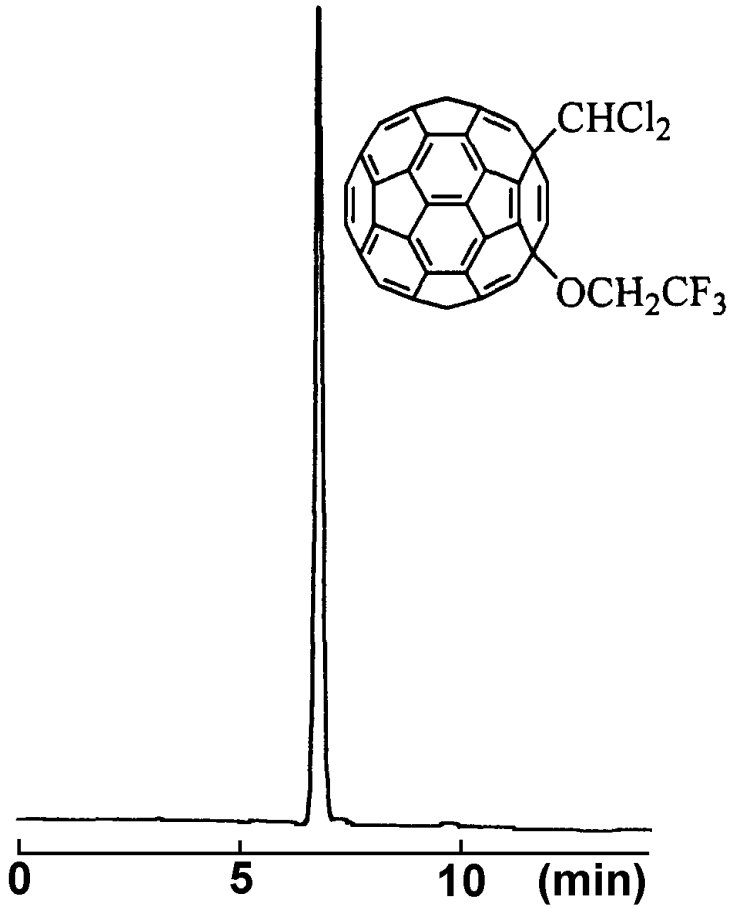
Sample:	1,4-$C_{60}(CHCl_2)Ph$
CAS No.:	-
Molecular formula:	$C_{67}H_6Cl_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

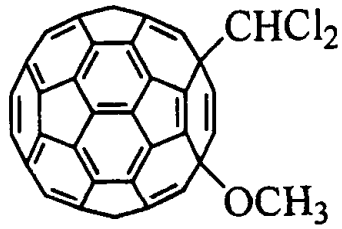
Sample:	1,4-$C_{60}(CHCl_2)OCH_2CF_3$
CAS No.:	-
Molecular formula:	$C_{63}H_3Cl_2F_3O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

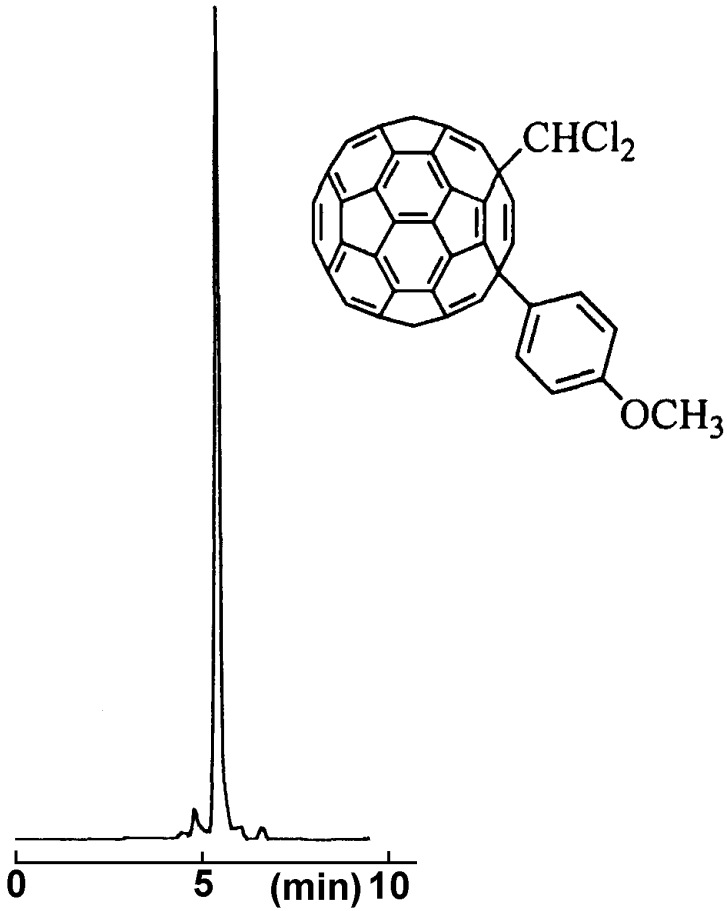
Sample:	1,4-$C_{60}(CHCl_2)OCH_3$
CAS No.:	-
Molecular formula:	$C_{62}H_4Cl_2O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

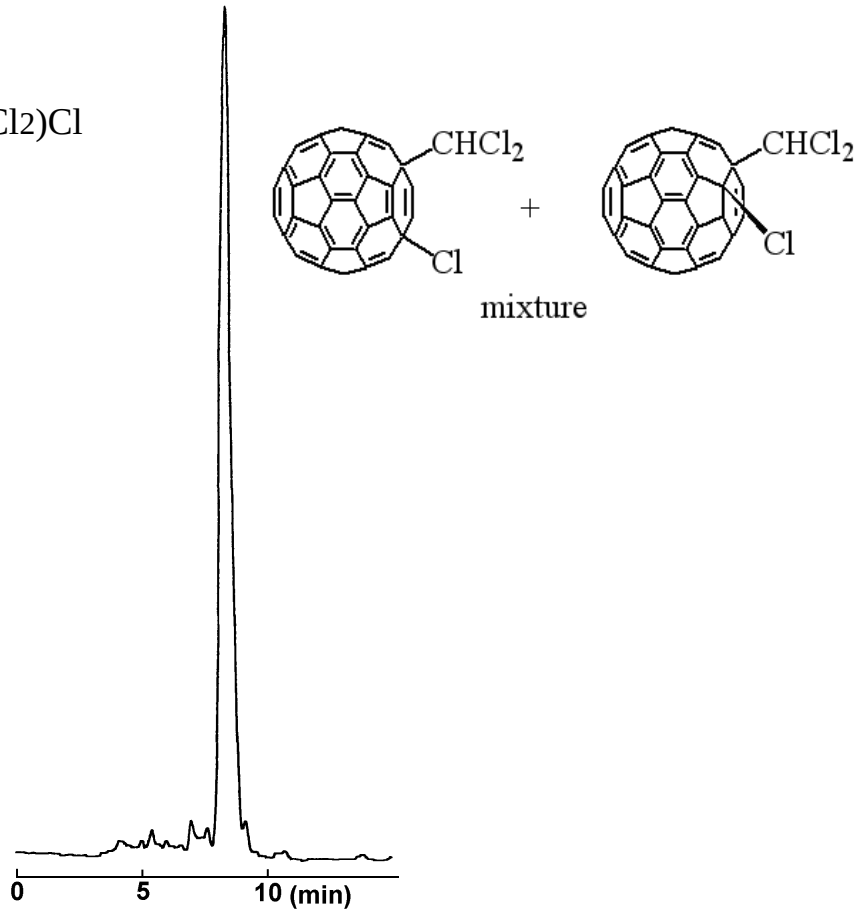
Sample:	1,4-$C_{60}(CHCl_2)(C_6H_4OCH_3$-*p*)
CAS No.:	-
Molecular formula:	$C_{68}H_8Cl_2O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

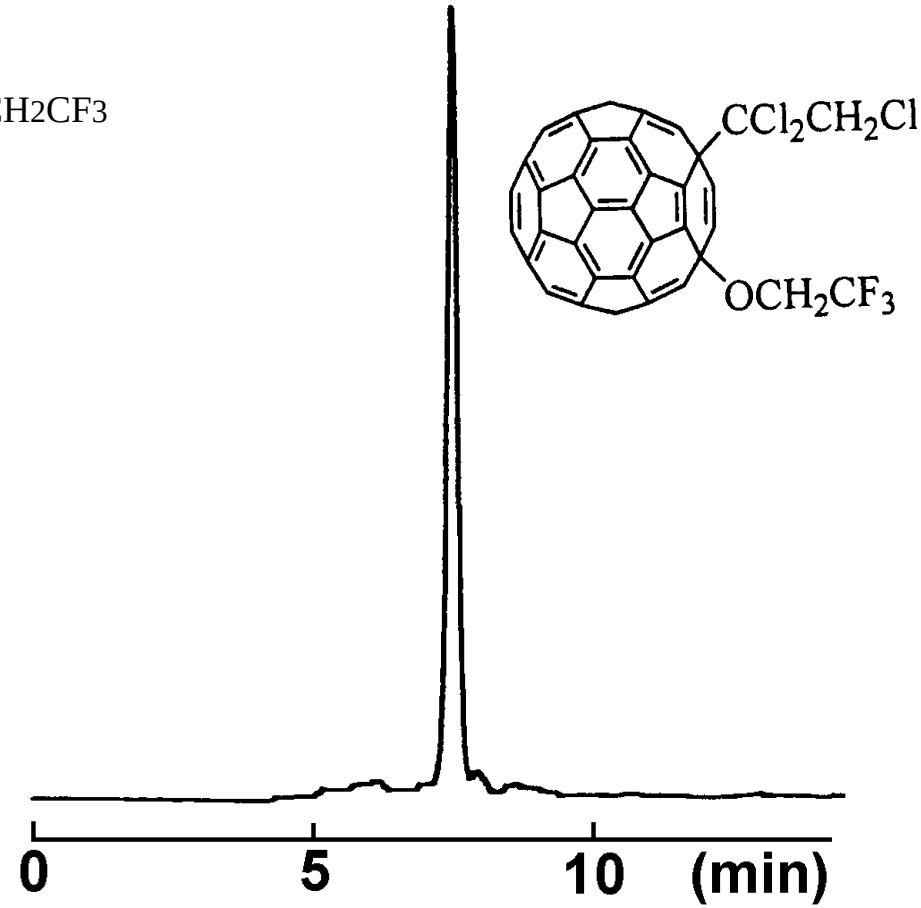
Sample:	1,4-$C_{60}(CHCl_2)Cl$, 1,2-$C_{60}(CHCl_2)Cl$
CAS No.:	-
Molecular formula:	$C_{61}HCl_3$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

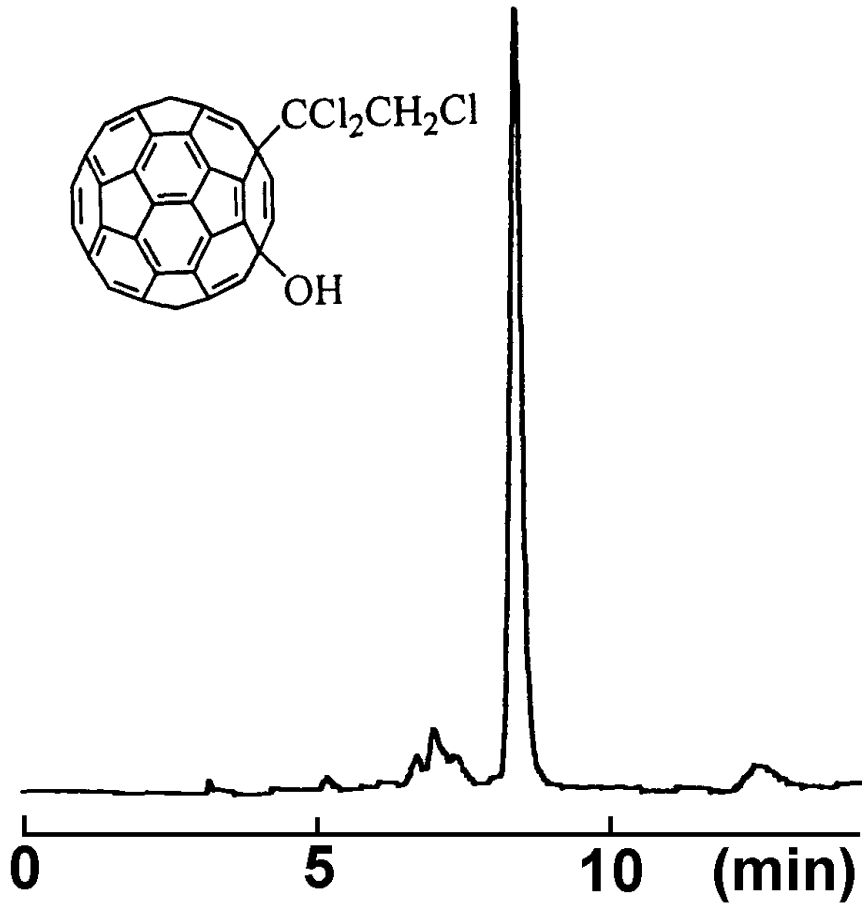
Sample:	1,4-$C_{60}(CCl_2CH_2Cl)OCH_2CF_3$
CAS No.:	-
Molecular formula:	$C_{64}H_4Cl_3F_3O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

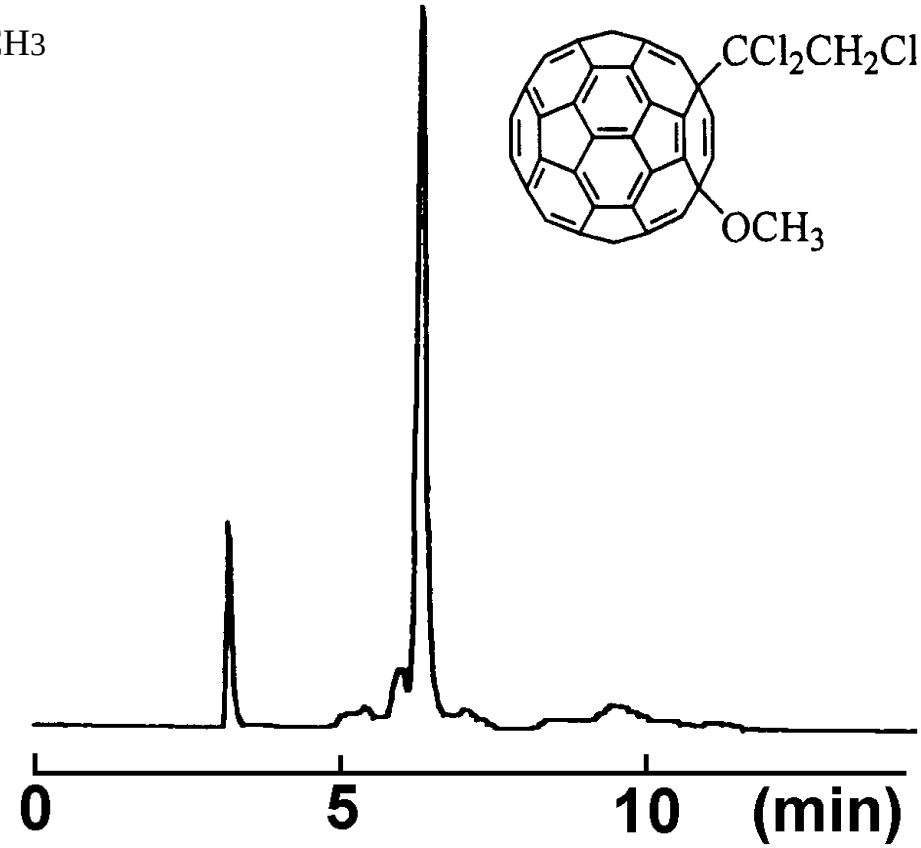
Sample:	1,4-$C_{60}(CCl_2CH_2Cl)OH$
CAS No.:	-
Molecular formula:	$C_{62}H_3Cl_3O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

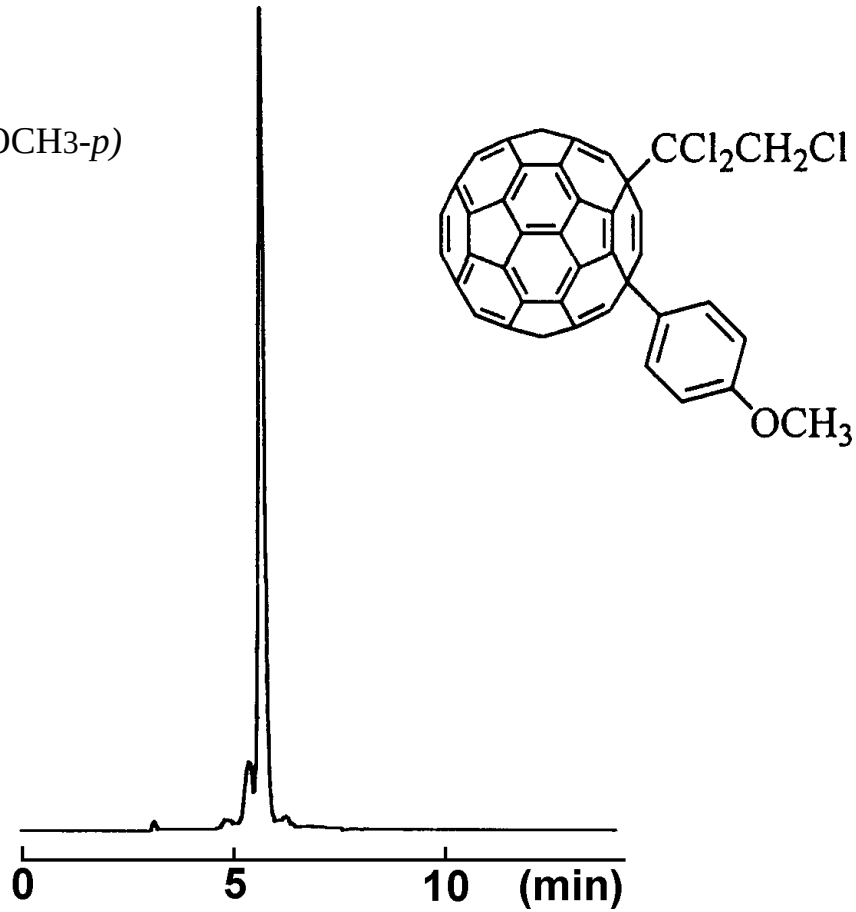
Sample:	1,4-$C_{60}(CCl_2CH_2Cl)OCH_3$
CAS No.:	-
Molecular formula:	$C_{63}H_5Cl_3O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

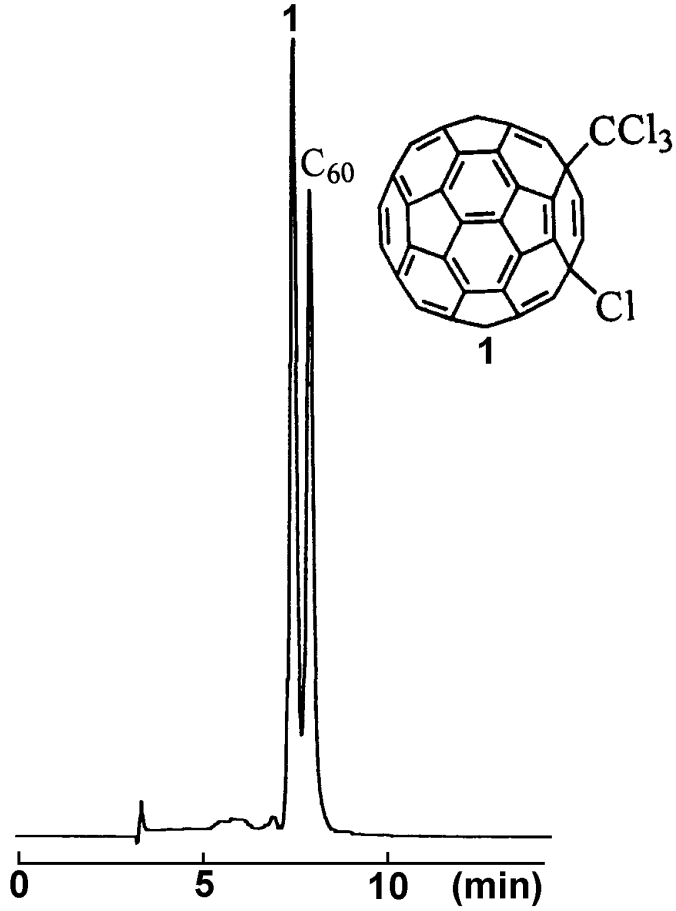
Sample:	1,4-$C_{60}(CCl_2CH_2Cl)(C_6H_4OCH_3$-*p)*
CAS No.:	-
Molecular formula:	$C_{69}H_9Cl_3O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

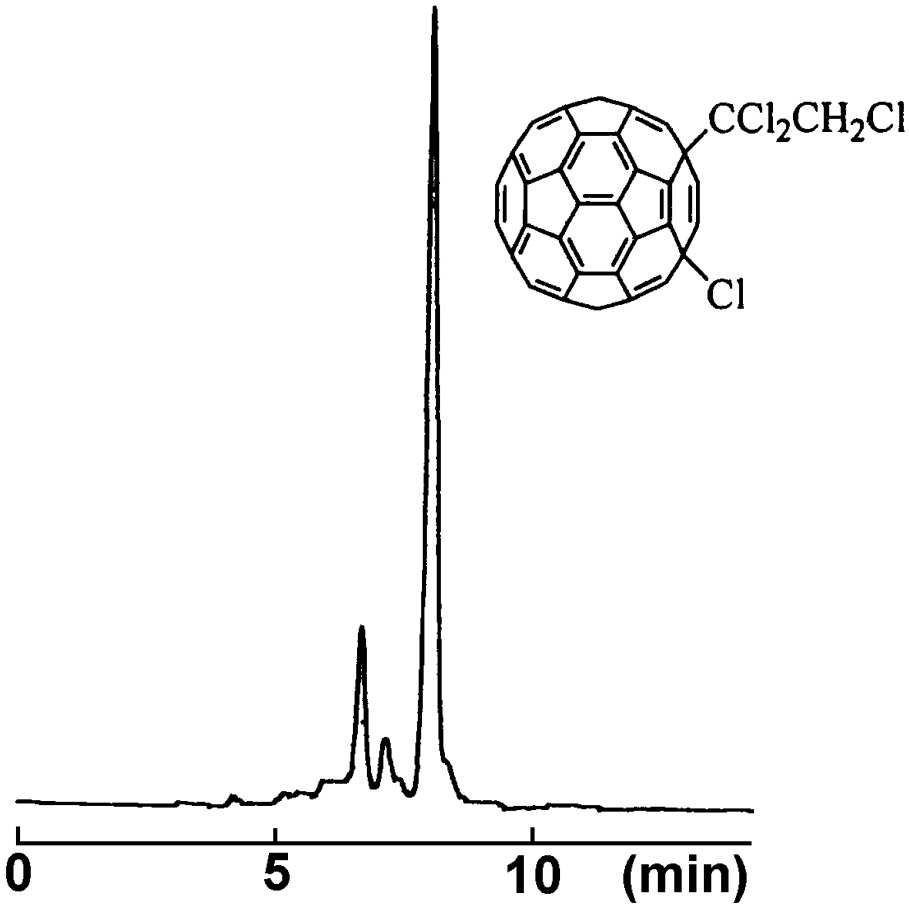
Sample:	1,4-$C_{60}(CCl_3)Cl$
CAS No.:	-
Molecular formula:	$C_{61}Cl_4$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

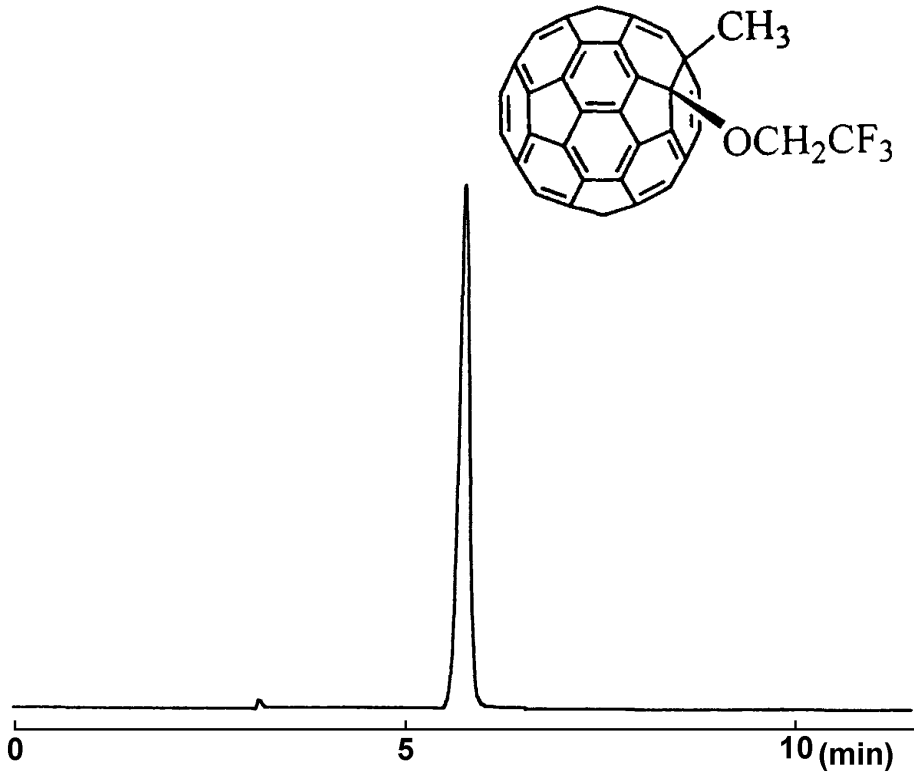
Sample:	1,4-$C_{60}(CCl_2CH_2Cl)Cl$
CAS No.:	-
Molecular formula:	$C_{62}H_2Cl_4$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

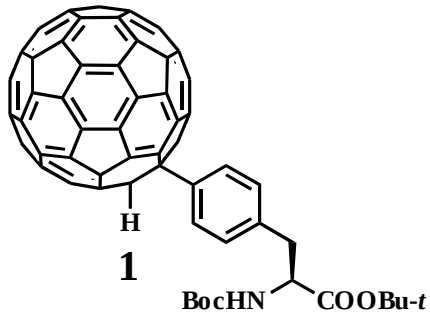
Sample:	1,2-$C_{60}(CH_3)OCH_2CF_3$
CAS No.:	-
Molecular formula:	$C_{63}H_5F_3O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)

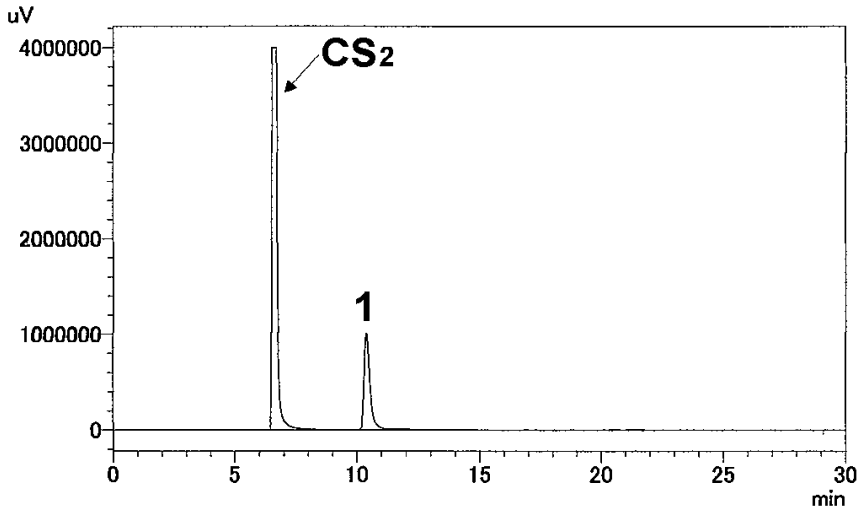


Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

Sample:	HC_{60}[(*N-tert*-butoxycarbonyl)-L-phenylalanine *tert*-butyl ester]
CAS No.:	-
Molecular formula:	$C_{78}H_{27}NO_4$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl

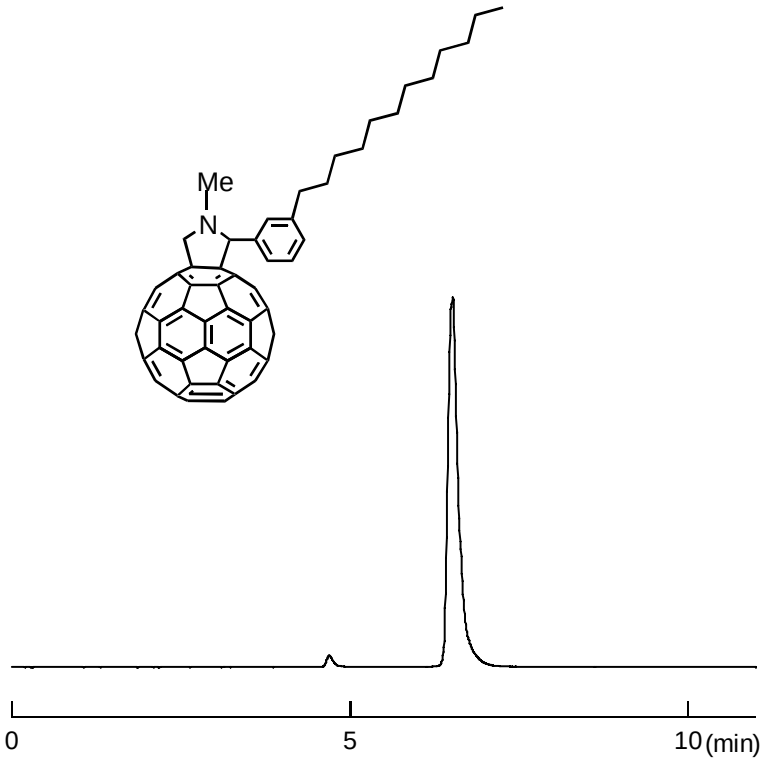




Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

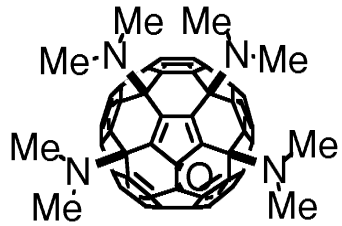
Sample:	C_{60}-fused *N*-methylpyrrolidine-*meta*-C_{12} phenyl ($C_{60}MC_{12}$)
CAS No.:	220437-45-6
Molecular formula:	$C_{81}H_{35}N$
Column:	Buckyprep
Column size:	20 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	12 ml/min
Temperature:	16℃
Detection:	UV 285 nm
Attenuation:	-
Sample conc.:	1 mg/ml
Injection volume:	0.5 ml

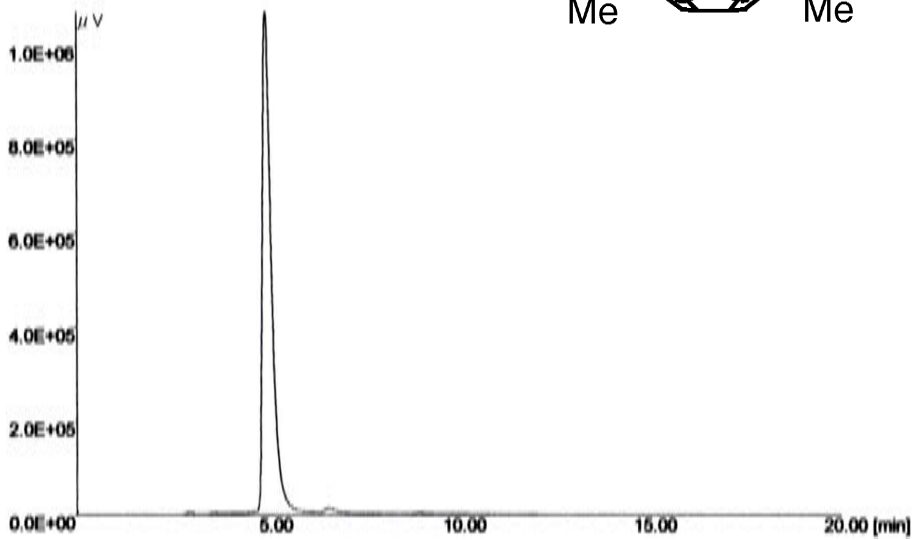


Data courtesy of
Dr. Masayuki Chikamatsu (National Institute of Advanced Industrial Science and Technology (AIST))

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(dimethylamino)-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	312773-23-2
Molecular formula:	C68H24N4O
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

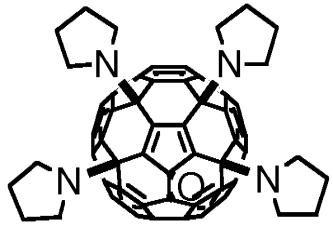


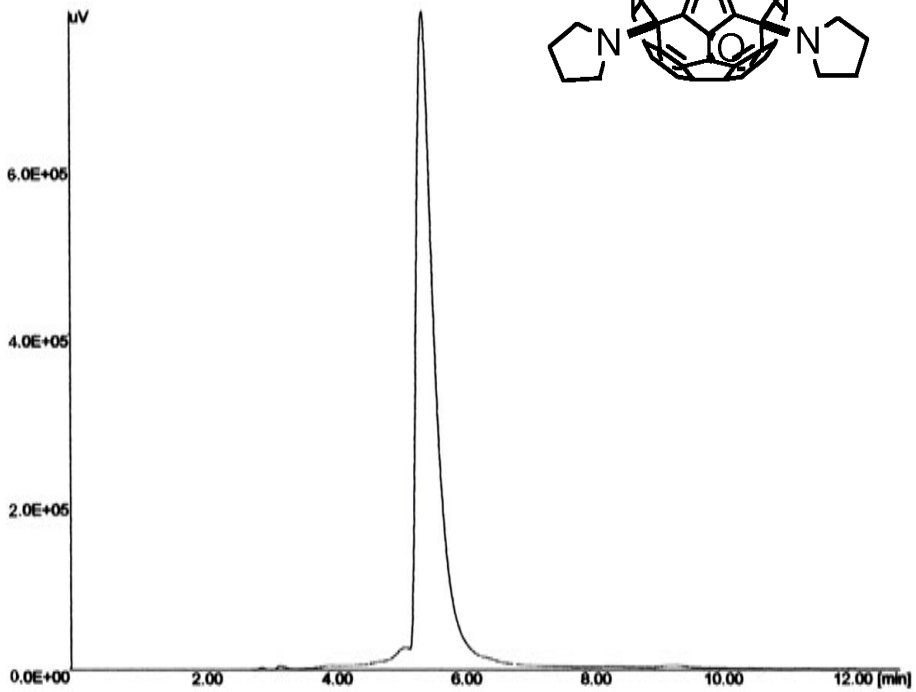


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(pyrrolidin-1-yl)-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	312773-21-0
Molecular formula:	C76H32N4O
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

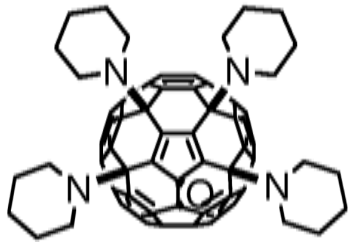


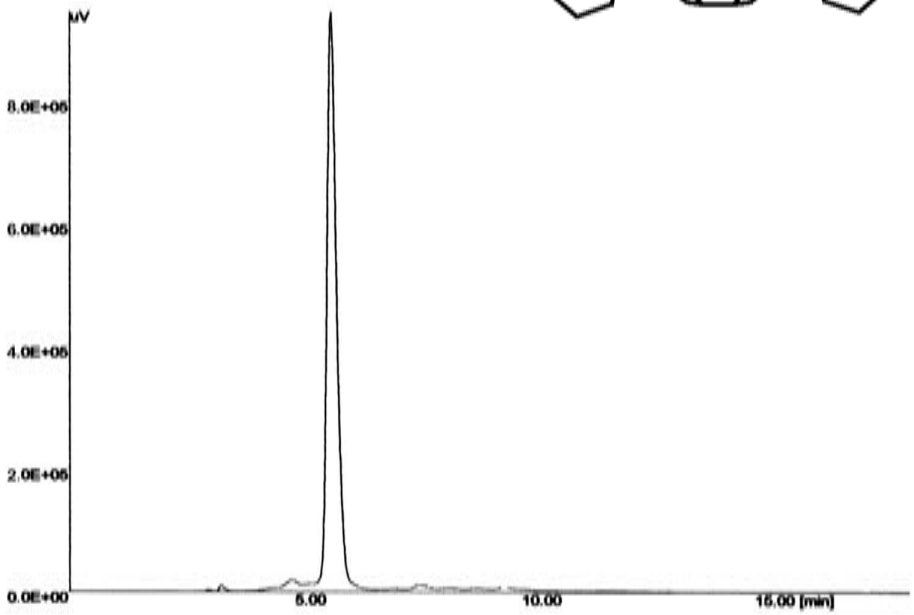


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(piperidin-1-yl)-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	169477-77-4
Molecular formula:	$C_{80}H_{40}N_4O$
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

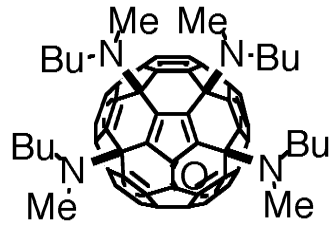


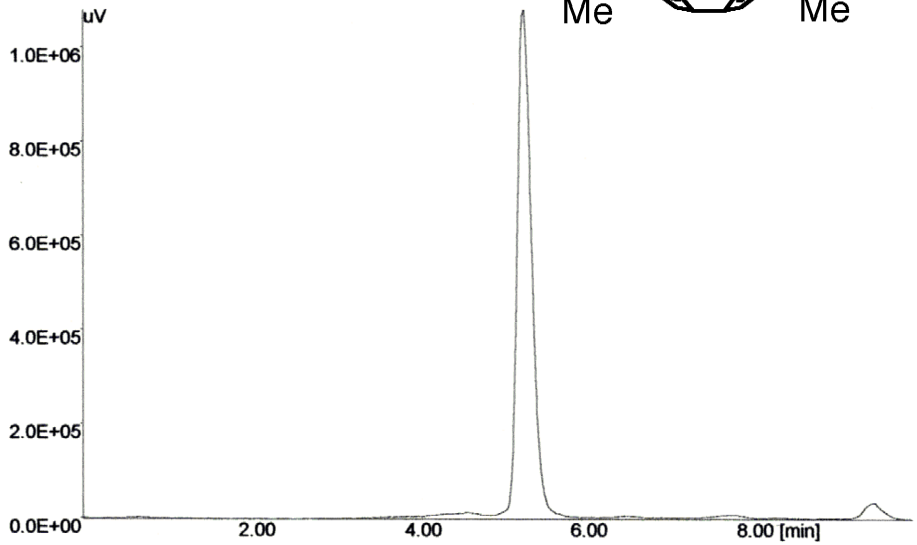


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(2-azahexan-2-yl)-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	312773-24-3
Molecular formula:	C80H48N4O
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

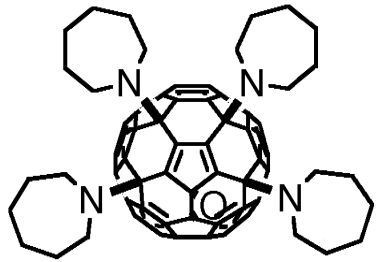


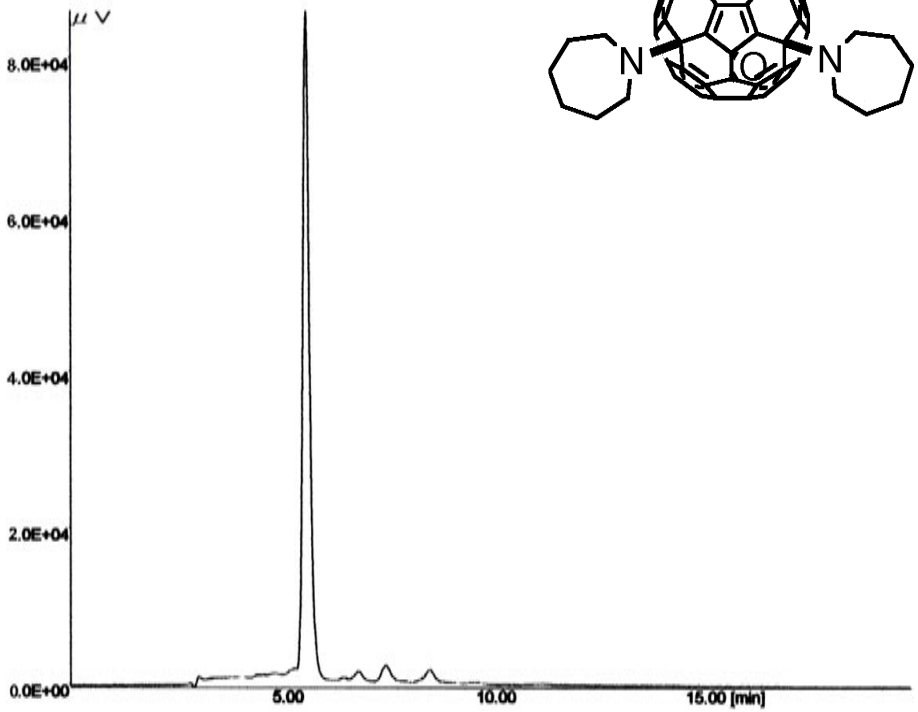


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(1-azacycloheptan-1-yl)-6,12,15,18-(tetrahydro) oxireno[2',3':1,9](C60-Ih)[5,6] fullerene
CAS No.:	854752-09-9
Molecular formula:	$C_{84}H_{48}N_4O$
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

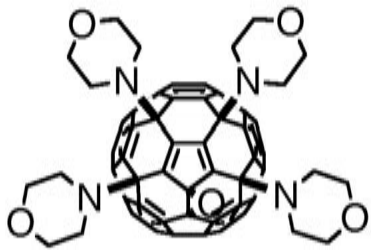


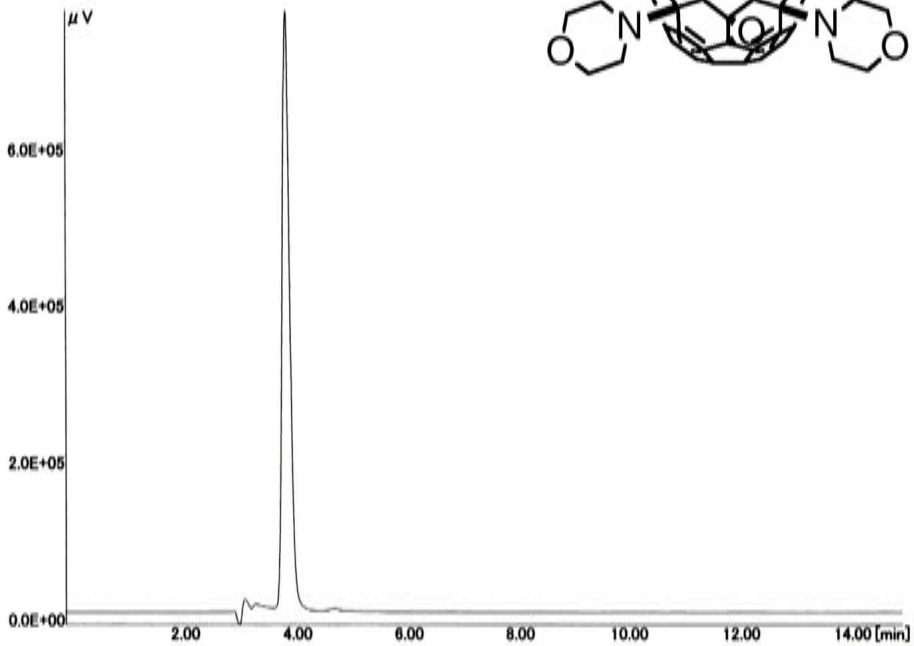


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(morpholin-4-yl)-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	169477-76-3
Molecular formula:	$C_{76}H_{32}N_4O_5$
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

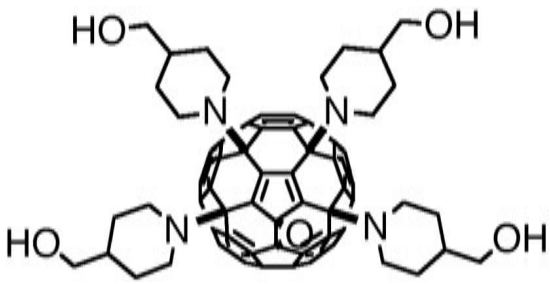


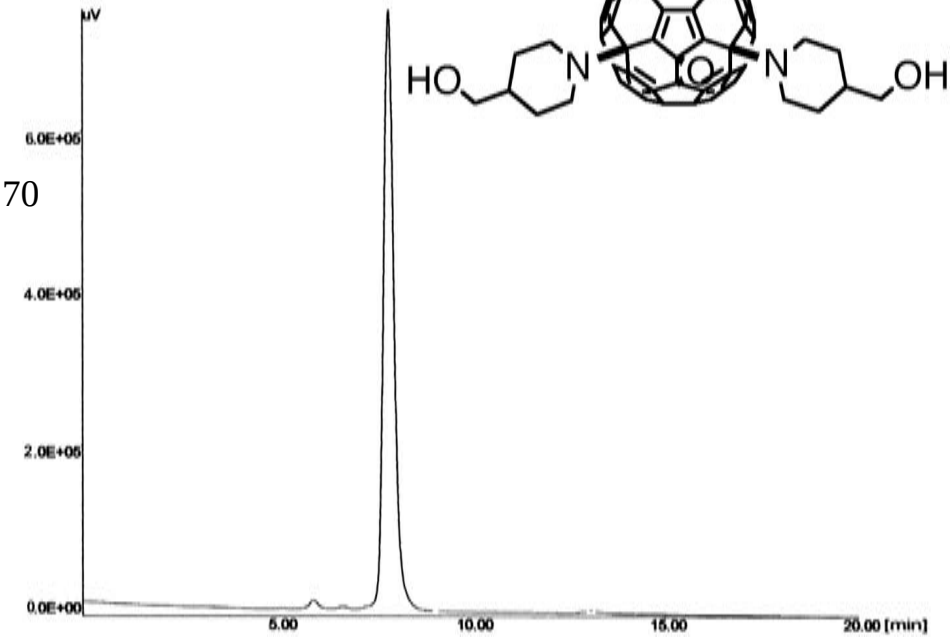


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra[4-(hydroxymethyl) piperidin-1-yl]-6,12,15,18-(tetrahydro)oxireno[2',3':1,9] (C_{60}-Ih)[5,6]fullerene
CAS No.:	854752-07-1
Molecular formula:	$C_{84}H_{48}N_4O_5$
Column:	5C_{18}-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : DMSO = 30 : 70
Flow rate:	0.5 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

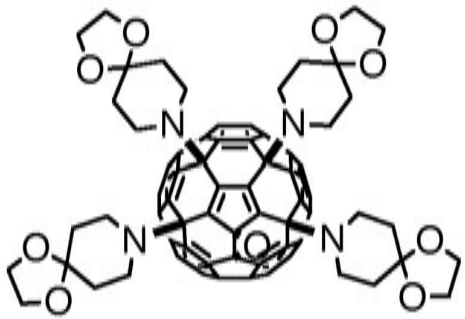


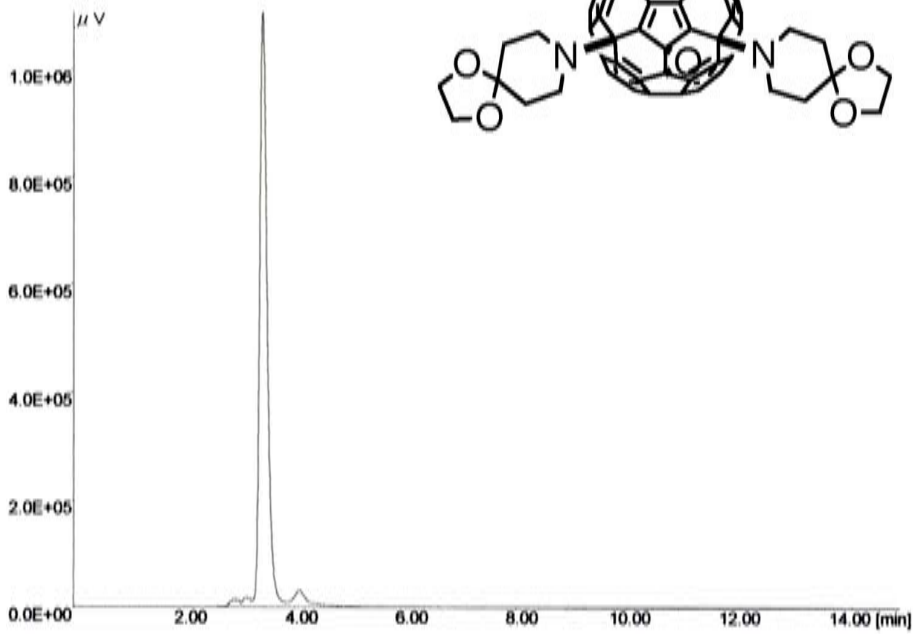


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra(1,4-dioxa-8-azaspiro [4,5]decan-8-yl)-6,12,15,18-(tetrahydro)oxireno[2',3':1,9] (C_{60}-Ih)[5,6]fullerene
CAS No.:	312773-20-9
Molecular formula:	$C_{88}H_{48}N_4O_9$
Column:	5C_{18}-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

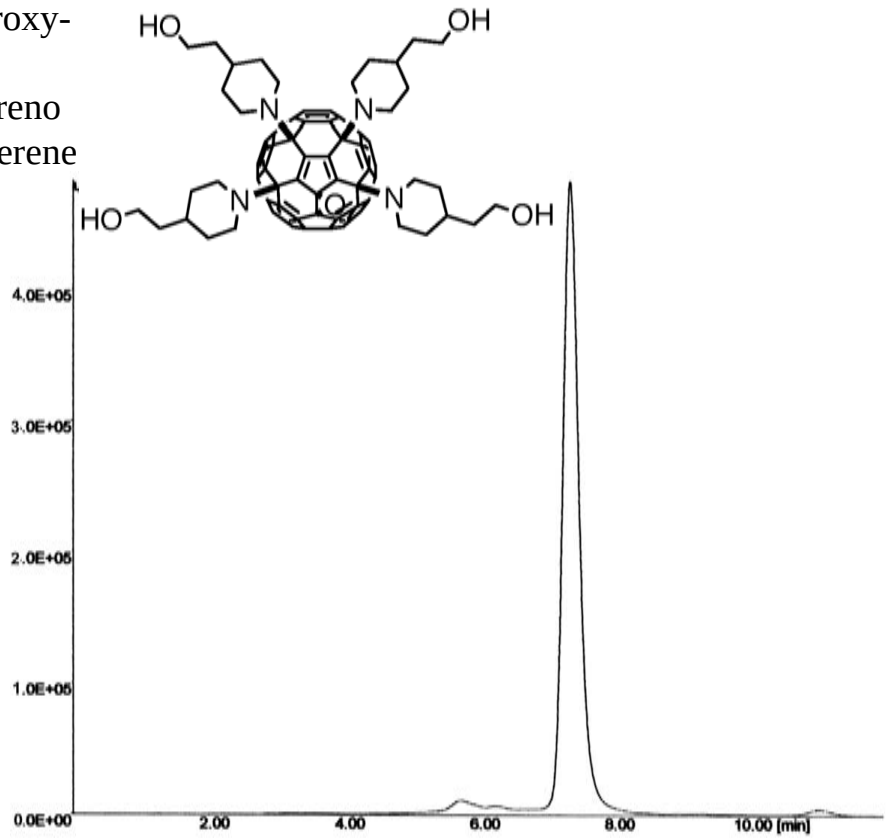




Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

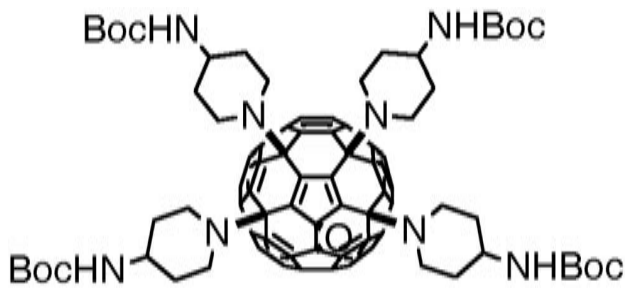
Sample:	6,12,15,18-Tetra[4-(2-hydroxy-ethyl)piperidin-1-yl]-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	854752-08-2
Molecular formula:	$C_{88}H_{56}N_4O_5$
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : DMSO = 30 : 70
Flow rate:	0.5 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

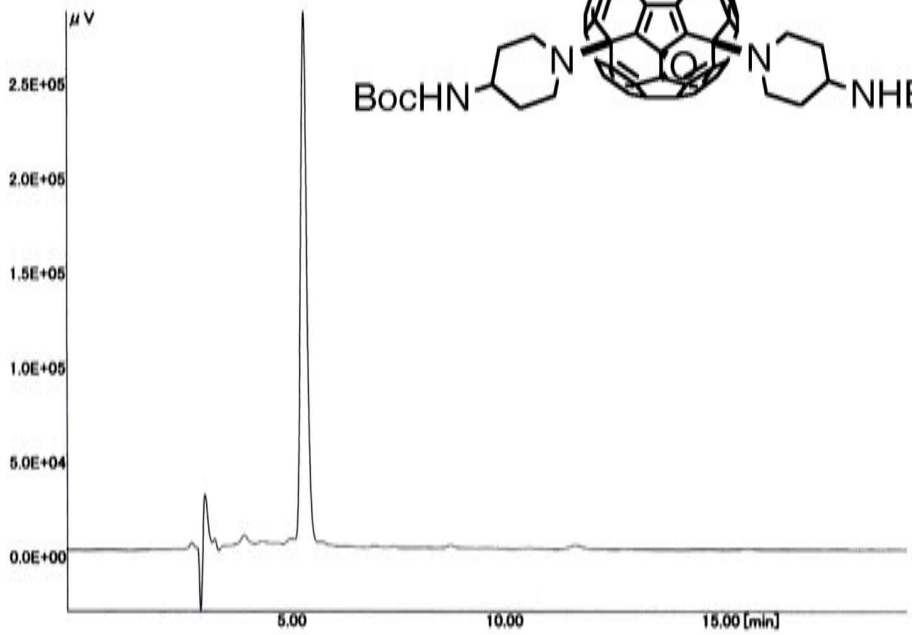


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	6,12,15,18-Tetra[4-(*tert*-butoxy-carbonylamino)piperidin-1-yl]-6,12,15,18-(tetrahydro)oxireno [2',3':1,9](C60-Ih)[5,6]fullerene
CAS No.:	854752-06-0
Molecular formula:	$C_{100}H_{76}N_8O_9$
Column:	5C18-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 290 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	2 μl

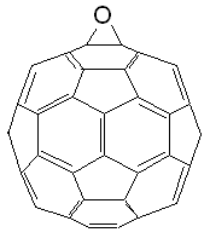


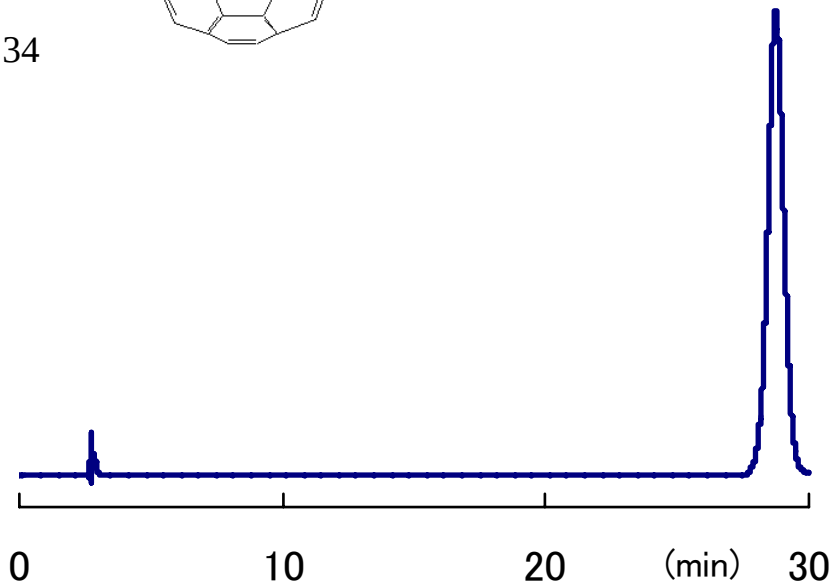


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$C_{60}O$
CAS No.:	-
Molecular formula:	$C_{60}O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : Acetonitrile = 66 : 34
Flow rate:	1.0 ml/min
Temperature:	40℃
Detection:	UV 304 nm
Attenuation:	203 mAU
Sample conc.:	1.44 mg/ml
Injection volume:	5 μl

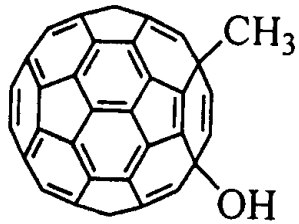


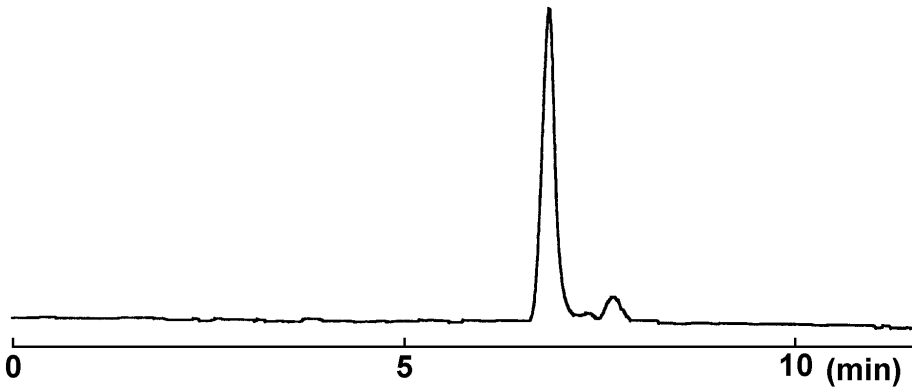


Data courtesy of
Yusuke Tajima, Dr. Sci. (Nano-Integration Materials Research Unit
RIKEN (Institute of Physics and Chemistry)),
2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Fullerene Chromatogram Index

Sample:	1,4-$C_{60}(CH_3)OH$
CAS No.:	-
Molecular formula:	$C_{61}H_4O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)

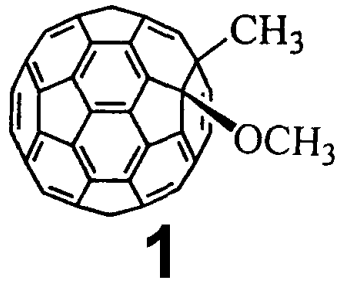




Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

Sample:	1,2-$C_{60}(CH_3)OCH_3$
CAS No.:	-
Molecular formula:	$C_{62}H_6O$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)

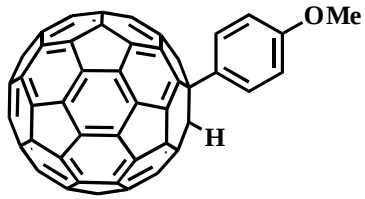


1

Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

Sample:	1-(4-Methoxyphenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{67}H_8O$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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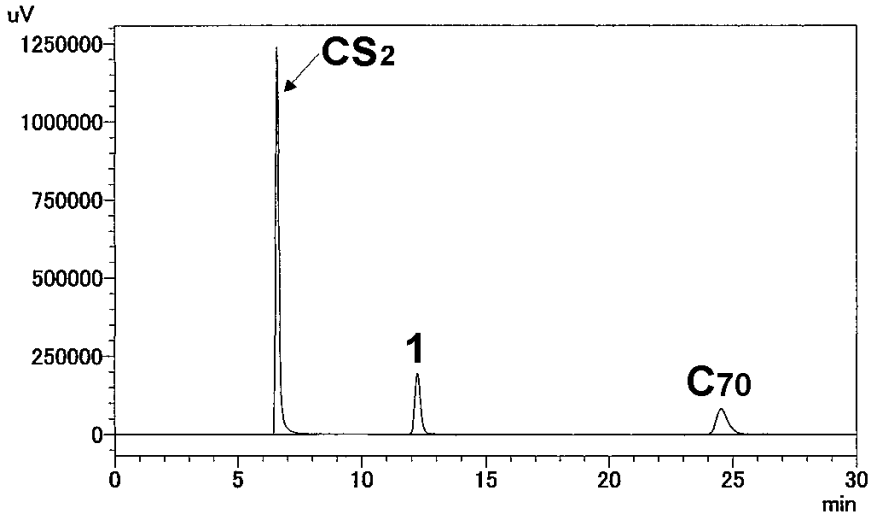
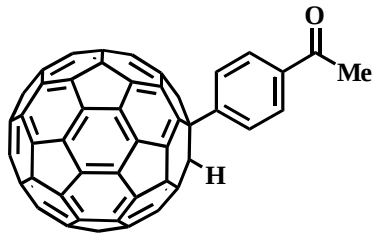


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

Sample:	1-(4-Acetylphenyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{68}H_8O$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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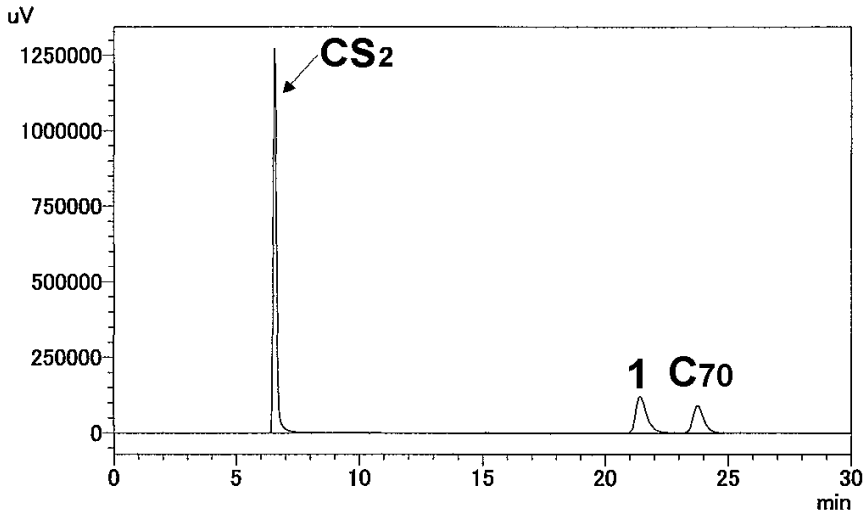
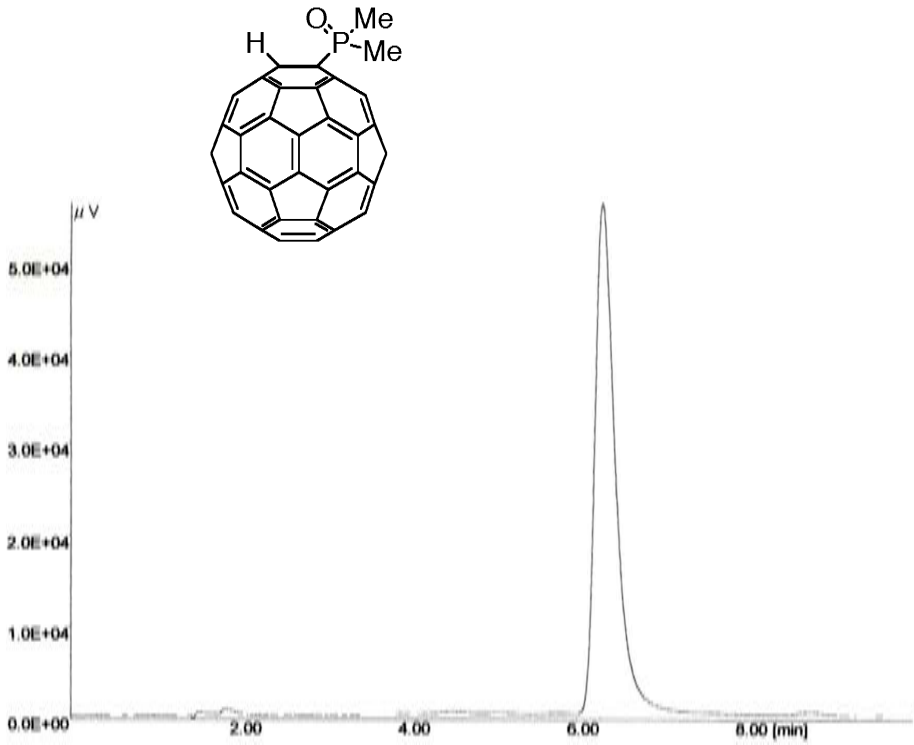


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

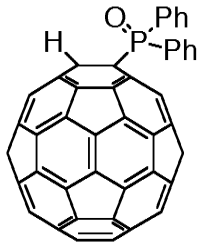
Sample:	$HC_{60}P(O)Me_2$
CAS No.:	-
Molecular formula:	$C_{62}H_7PO$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

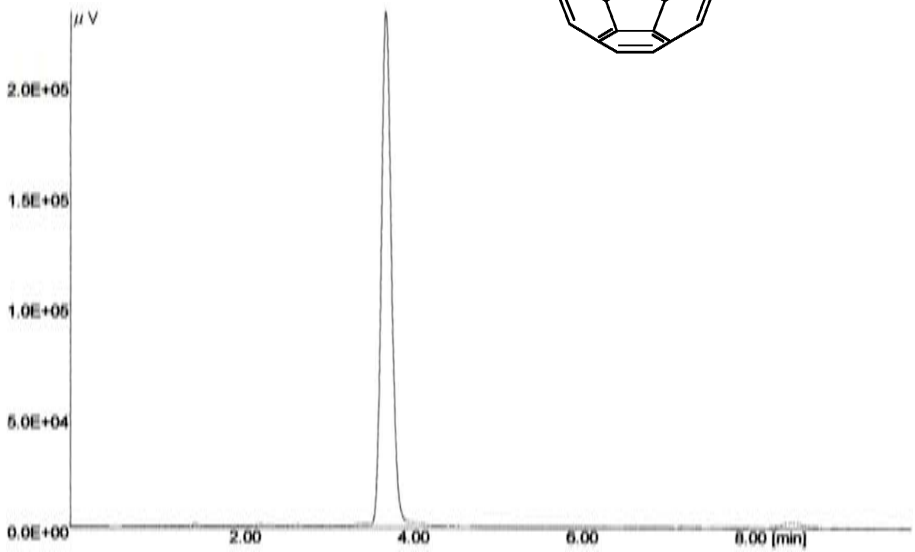


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$HC_{60}P(O)Ph_2$
CAS No.:	-
Molecular formula:	$C_{72}H_{11}PO$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

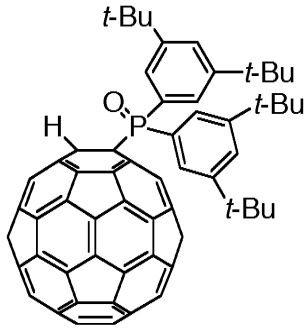


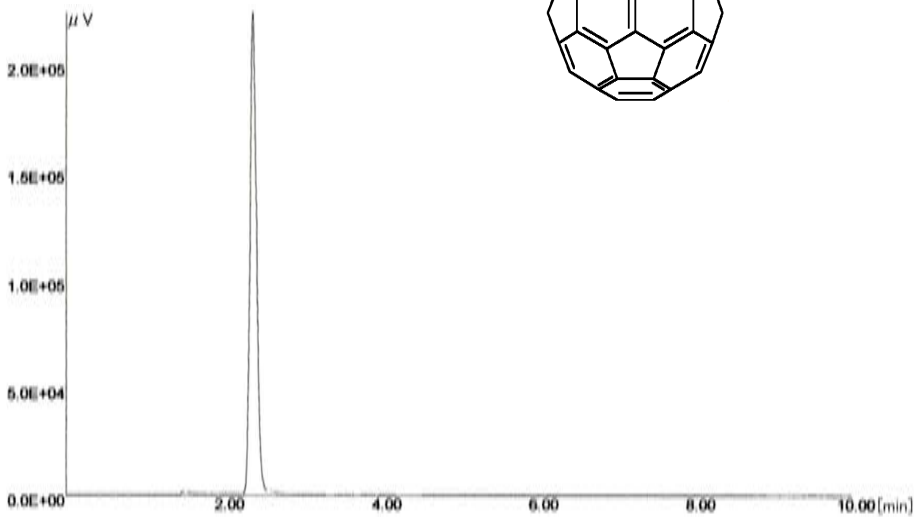


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$HC_{60}P(O)(di\text{-}t\text{-}Bu\text{-}C_6H_3)_2$
CAS No.:	-
Molecular formula:	$C_{88}H_{43}PO$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

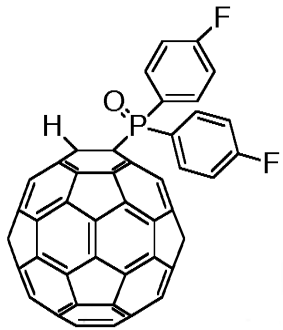


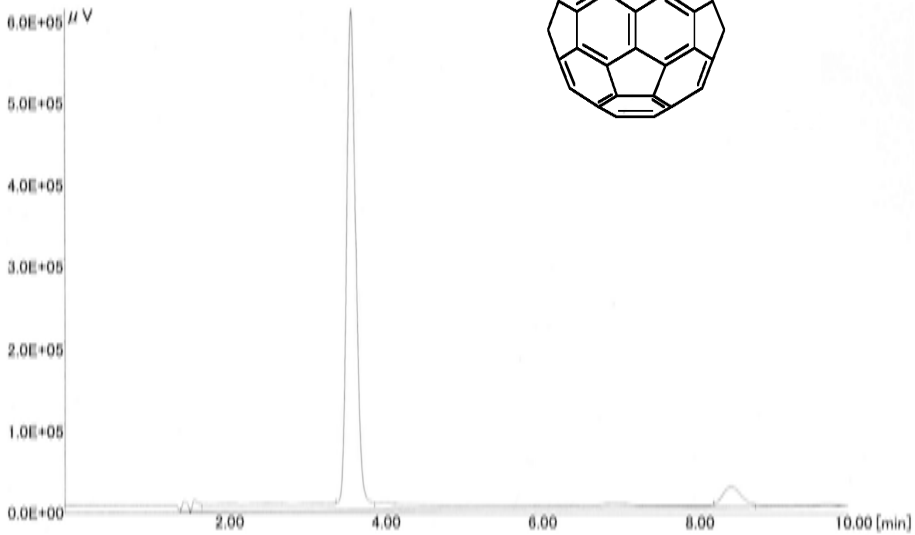


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$HC_{60}P(O)(p\text{-}C_6H_4F)_2$
CAS No.:	-
Molecular formula:	$C_{72}H_9POF_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

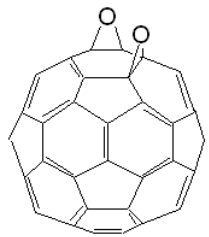


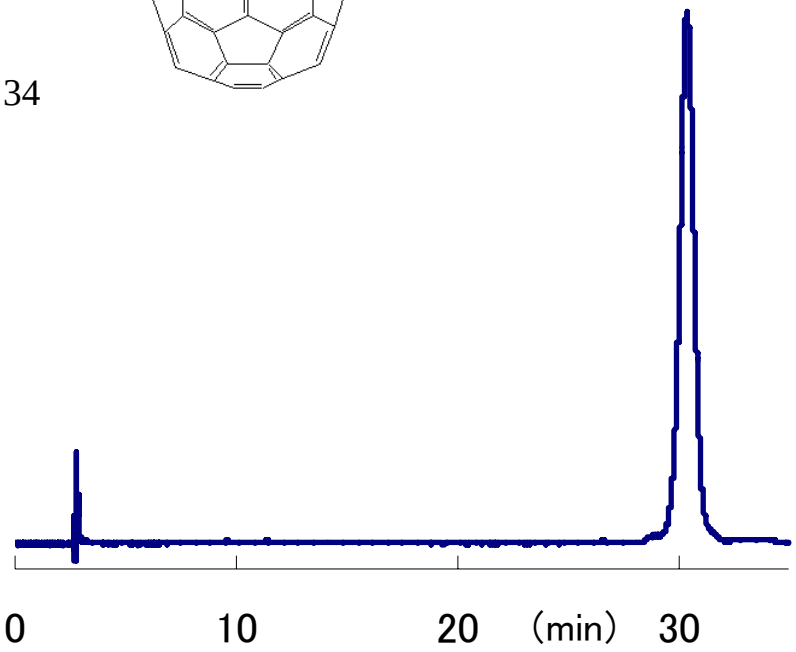


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$C_{60}O_2$(*cis*-1)
CAS No.:	-
Molecular formula:	$C_{60}O_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : Acetonitrile = 66 : 34
Flow rate:	1.0 ml/min
Temperature:	40℃
Detection:	UV 304 nm
Attenuation:	107 mAU
Sample conc.:	0.74 mg/ml
Injection volume:	5 μl

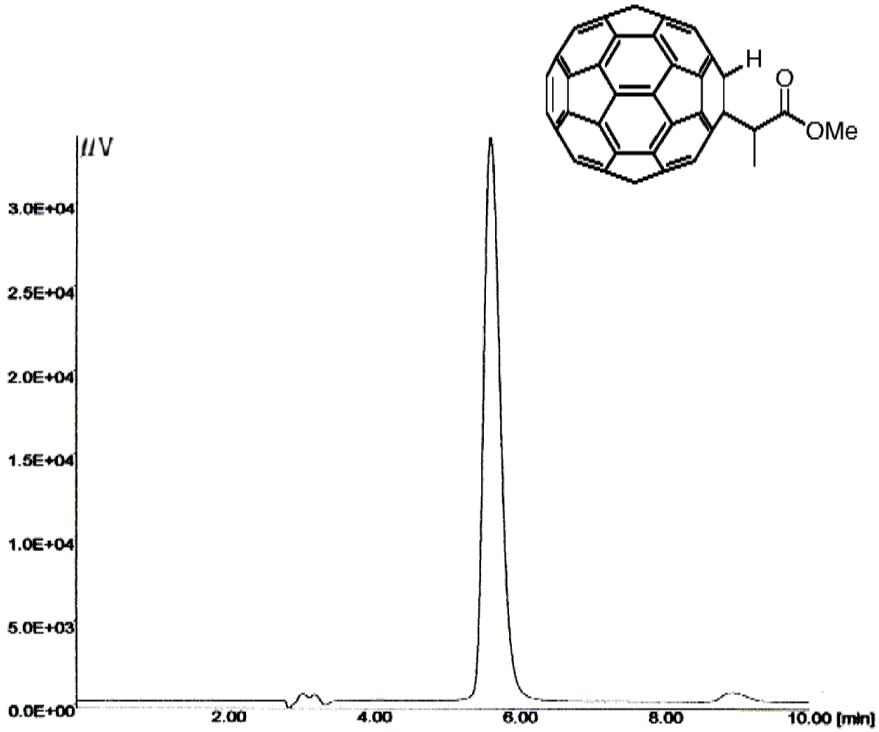




Data courtesy of
Yusuke Tajima, Dr. Sci. (Nano-Integration Materials Research Unit
RIKEN (Institute of Physics and Chemistry)),
2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Fullerene Chromatogram Index

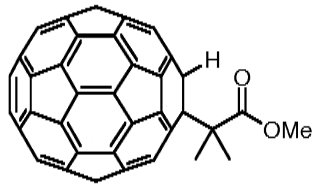
Sample:	$HC_{60}CH(Me)COOMe$
CAS No.:	-
Molecular formula:	$C_{64}H_8O_2$
Column:	$5C_{18}$-MS-II
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 30 : 70
Flow rate:	1 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

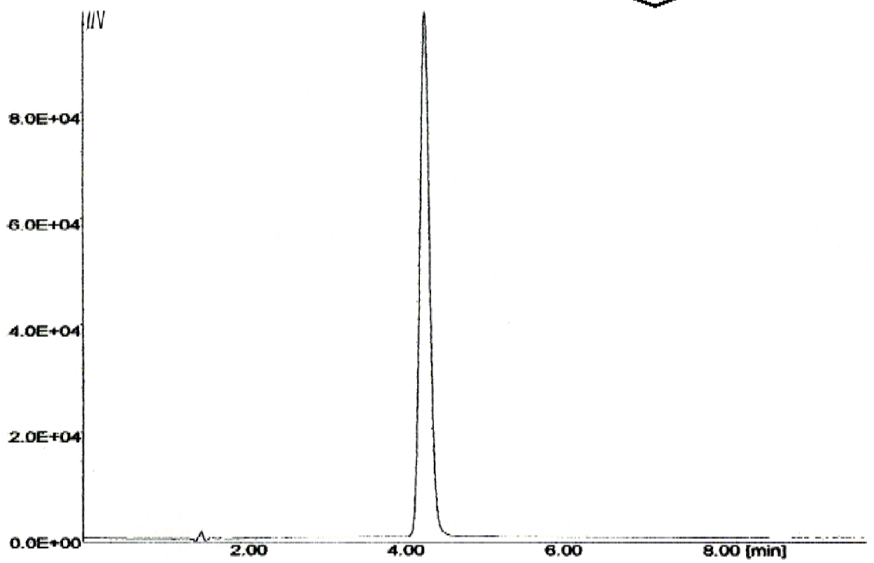


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$HC_{60}C(Me_2)COOMe$
CAS No.:	-
Molecular formula:	$C_{65}H_{10}O_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	3 μl

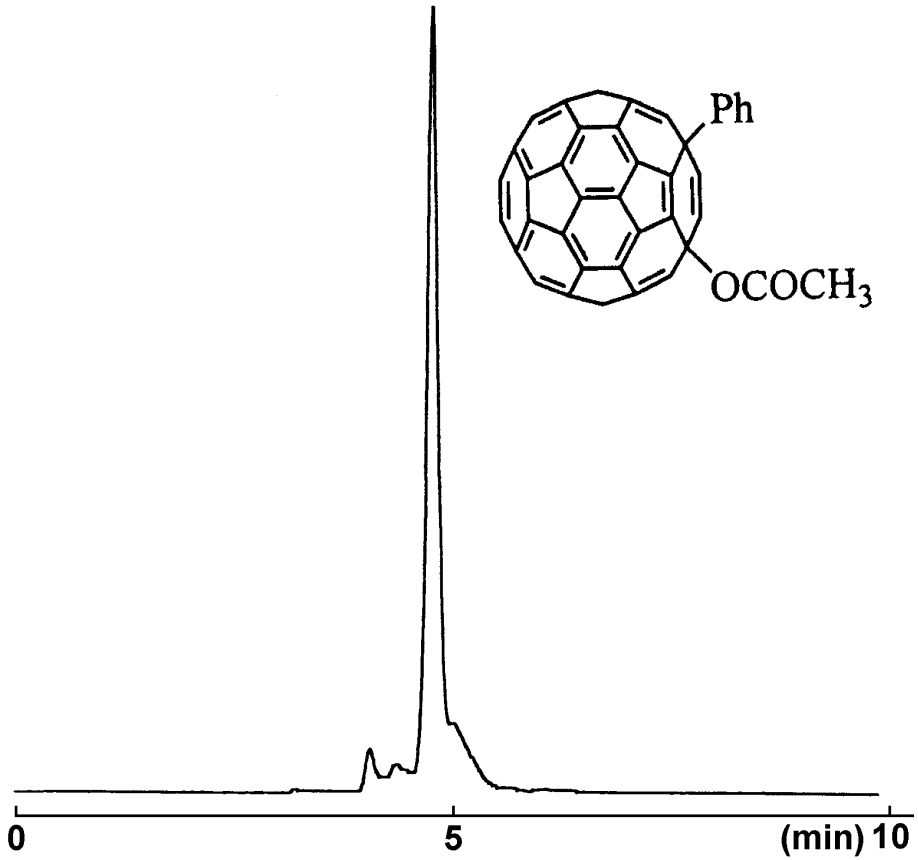




Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

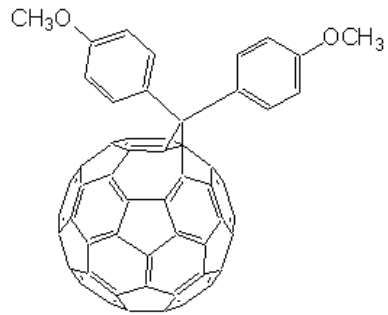
Sample:	1,4-$C_{60}(OCOCH_3)Ph$
CAS No.:	-
Molecular formula:	$C_{68}H_8O_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1 ml/min
Temperature:	30℃
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	1.0 μl (in toluene)



Data courtesy of
Prof. Toshikazu Kitagawa
(Graduate School of Engineering, Mie University)

Fullerene Chromatogram Index

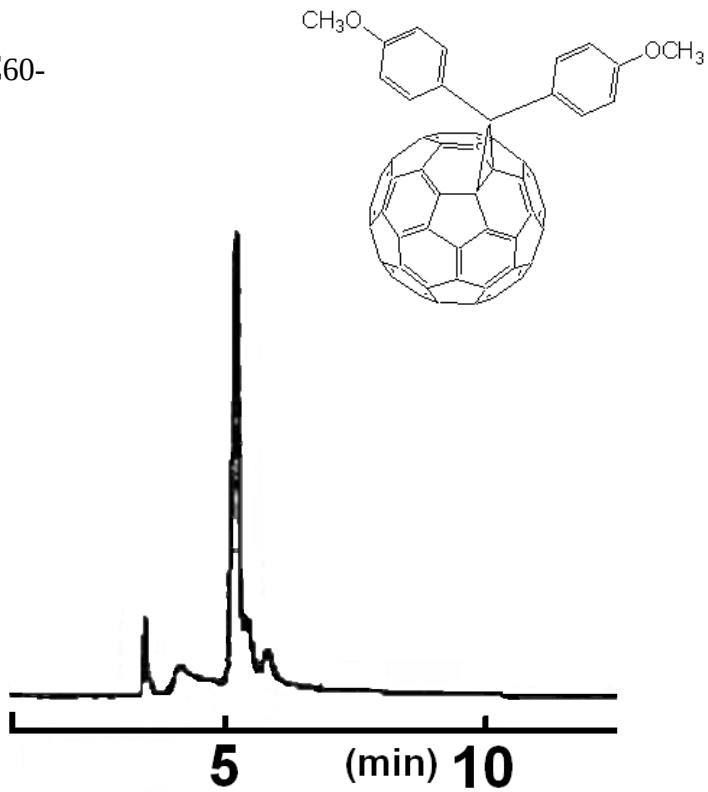
Sample:	[6,5]-open fulleroid [1,2 (2a)-Homo [5,6]fullerene-C60-Ih, 2a,2a-bis (4-methoxyphenyl)-(9CI)]
CAS No.:	157177-69-0
Molecular formula:	$C_{75}H_{14}O_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 310 nm
Attenuation:	-
Sample conc.:	2.8 mg/ml
Injection volume:	1 μl



Data courtesy of
Dr. Ken Kokubo and Prof. Takumi Oshima
(Graduate School of Engineering, Osaka University)
Ref: T. Oshima and K. Kokubo *et al*., *J. Org. Chem.*, **2006**, ***71***, 2995-3000.

Fullerene Chromatogram Index

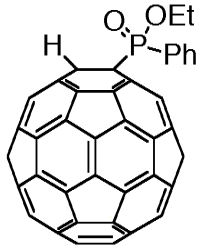
Sample:	[6,6]-closed methanofullerene [3'H-Cyclopropa [1,9][5,6]fullerene-C_{60}-Ih,3',3'-bis (4-methoxyphenyl)-(9CI)]
CAS No.:	160558-58-7
Molecular formula:	$C_{75}H_{14}O_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	1.0 ml/min
Temperature:	30℃
Detection:	UV 310 nm
Attenuation:	-
Sample conc.:	1.8 mg/ml
Injection volume:	1 μl

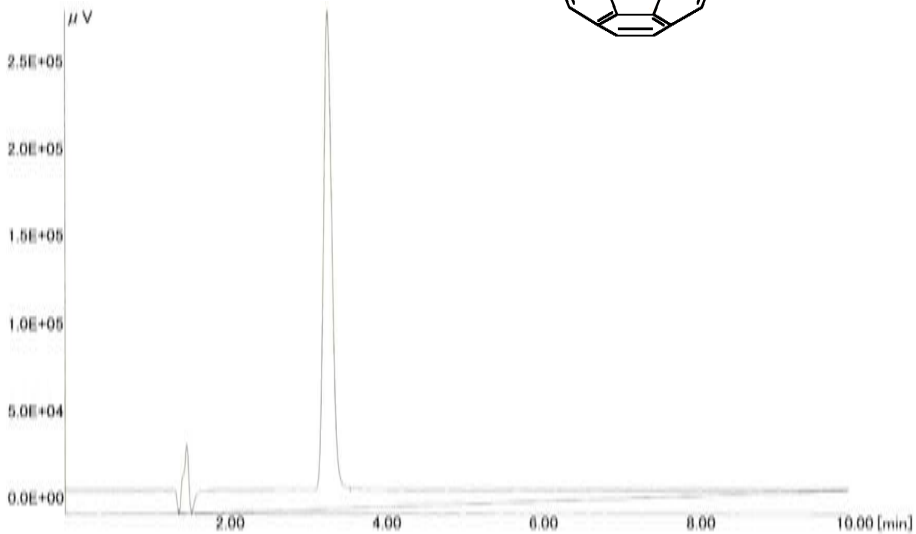


Data courtesy of
Dr. Ken Kokubo and Prof. Takumi Oshima
(Graduate School of Engineering, Osaka University)
Ref: T. Oshima and K. Kokubo *et al*., *J. Org. Chem.*, **2006**, ***71***, 2995-3000.

Fullerene Chromatogram Index

Sample:	$HC_{60}P(O)(OEt)Ph$
CAS No.:	-
Molecular formula:	$C_{68}H_{11}PO_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

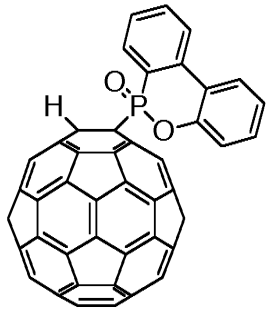


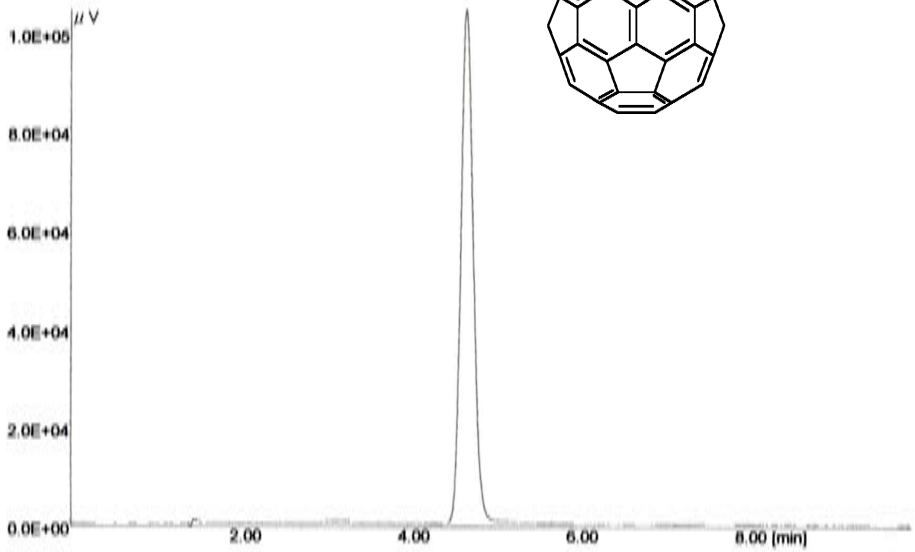


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$HC_{60}P(O)(C_{12}H_8O)$
CAS No.:	-
Molecular formula:	$C_{72}H_9PO_2$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

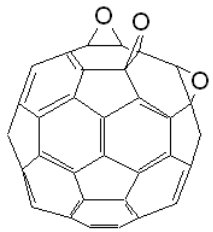


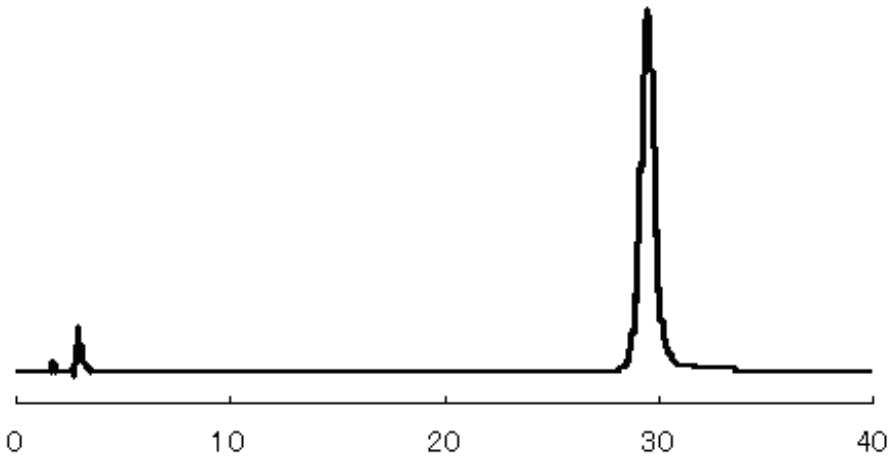


Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	$C_{60}O_3$(*Cs*)
CAS No.:	-
Molecular formula:	$C_{60}O_3$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : Acetonitrile = 66 : 34
Flow rate:	1.0 ml/min
Temperature:	40℃
Detection:	UV 304 nm
Attenuation:	121 mAU
Sample conc.:	-
Injection volume:	5 μl

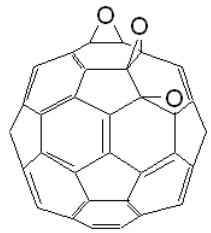


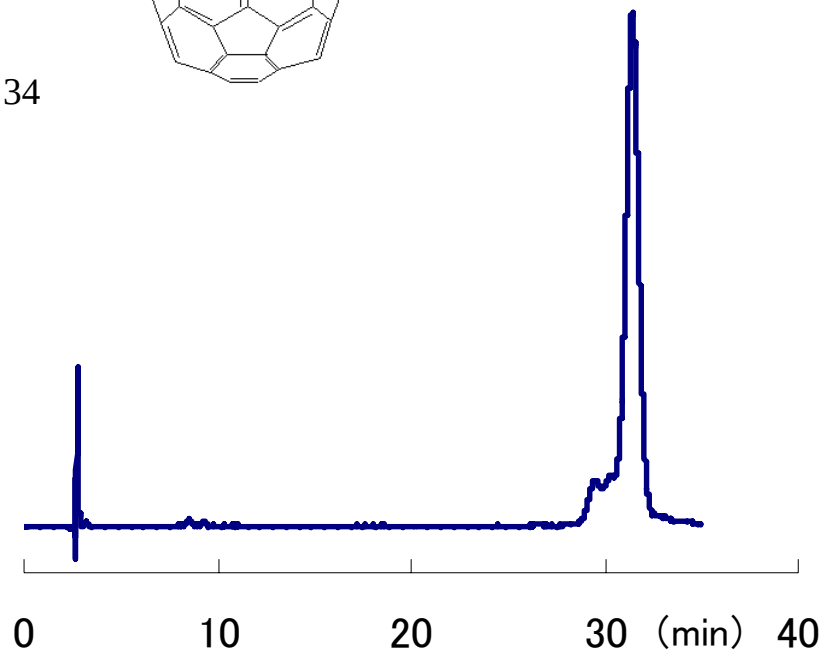


Data courtesy of
Yusuke Tajima, Dr. Sci. (Nano-Integration Materials Research Unit
RIKEN (Institute of Physics and Chemistry)),
2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Fullerene Chromatogram Index

Sample:	$C_{60}O_3$(*C*2)
CAS No.:	-
Molecular formula:	$C_{60}O_3$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : Acetonitrile = 66 : 34
Flow rate:	1.0 ml/min
Temperature:	40℃
Detection:	UV 304 nm
Attenuation:	59 mAU
Sample conc.:	0.29 mg/ml
Injection volume:	5 μl

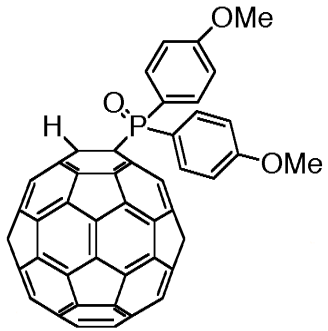


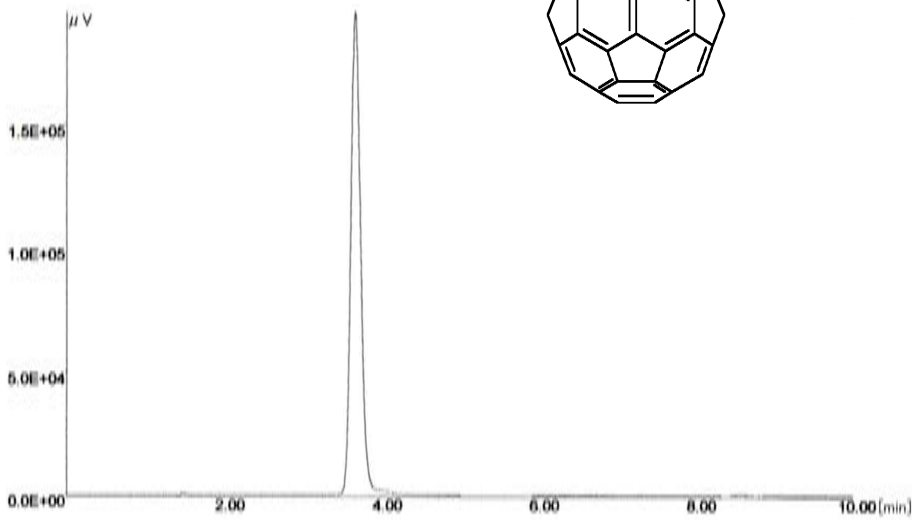


Data courtesy of
Yusuke Tajima, Dr. Sci. (Nano-Integration Materials Research Unit
RIKEN (Institute of Physics and Chemistry)),
2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Fullerene Chromatogram Index

Sample:	$HC_{60}P(O)(p\text{-}C_6H_4\text{-}OMe)_2$
CAS No.:	-
Molecular formula:	$C_{74}H_{15}PO_3$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	40℃
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	-

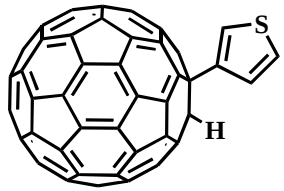




Data courtesy of
Prof. Hiroyuki Isobe, Prof. Eiichi Nakamura
(Department of Chemistry, The University of Tokyo)

Fullerene Chromatogram Index

Sample:	1-(3-Thienyl)-1,9-dihydro[60]fullerene
CAS No.:	-
Molecular formula:	$C_{64}H_4S$
Column:	Buckyprep
Column size	4.6 mmI.D.-250 mm
Mobile phase:	Toluene
Flow rate:	0.5 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 326 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	10 μl



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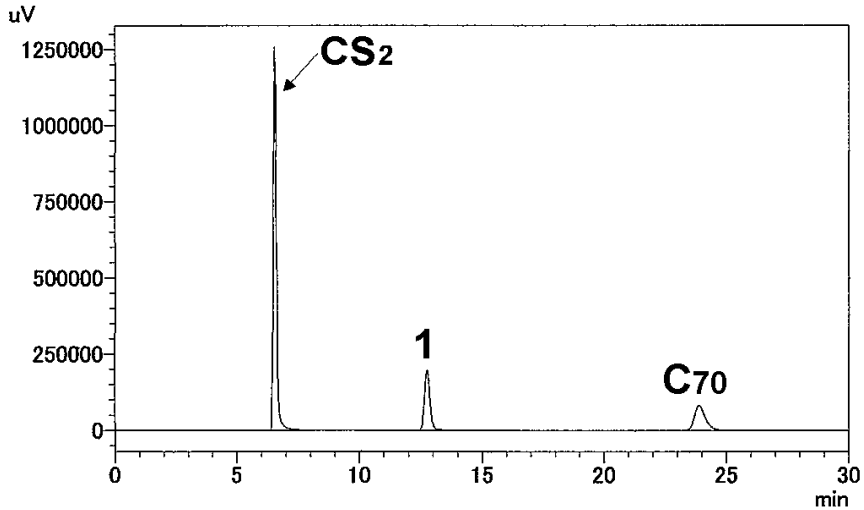
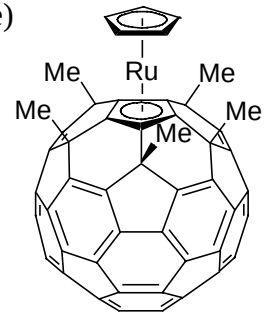


Data courtesy of
Prof. Kenichiro Itami, Mr. Masakazu Nambo, Prof. Ryoji Noyori
(Department of Chemistry, Nagoya University)
Ref *J. Am. Chem. Soc.*, **2007**, *129*, 8080-8081 .

Fullerene Chromatogram Index

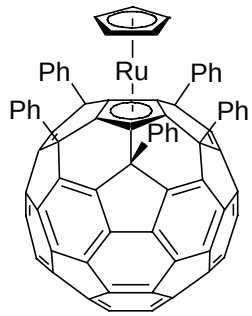
Sample:	$Ru(C_{60}Me_5)Cp$ (Cp= Cyclopentadiene)
CAS No.:	-
Molecular formula:	$C_{70}H_{20}Ru$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



Data courtesy of
Dr. Yutaka Matsuo and Prof. Eiichi Nakamura (Nakamura Functional Carbon Cluster Project, ERATO, Japan Science and Technology Agency)

Fullerene Chromatogram Index

Sample:	$Ru(C_{60}Ph_5)Cp$ (Cp= Cyclopentadiene)
CAS No.:	-
Molecular formula:	$C_{95}H_{30}Ru$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



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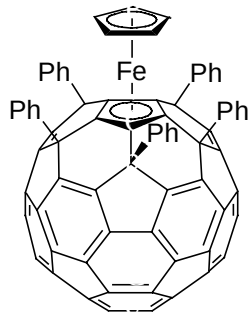
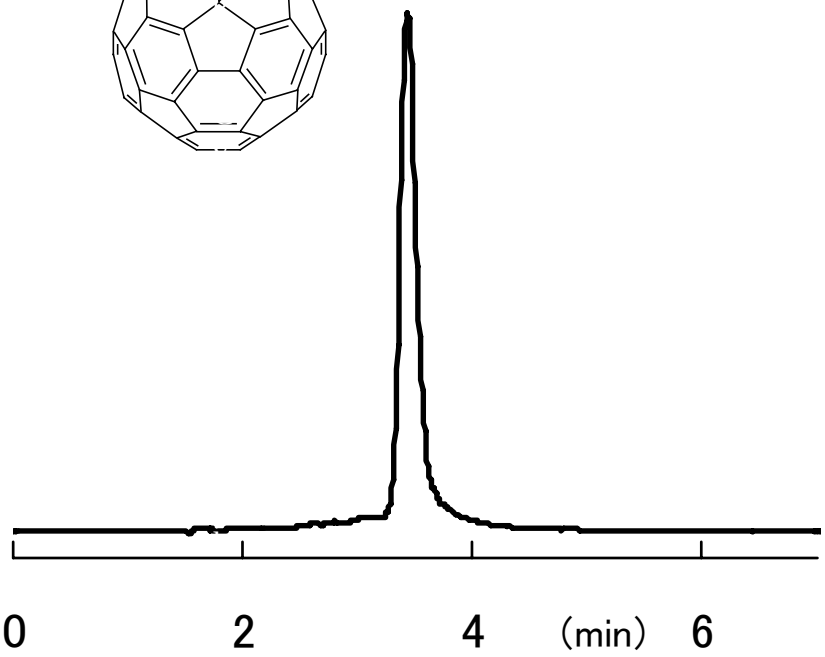
Fullerene Chromatogram Index

Sample:	$Fe(C_{60}Ph_5)Cp$ (Cp= Cyclopentadiene)
CAS No.:	-
Molecular formula:	$C_{95}H_{30}Fe$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl





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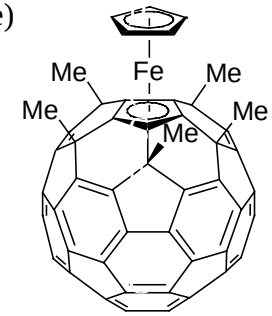
Fullerene Chromatogram Index

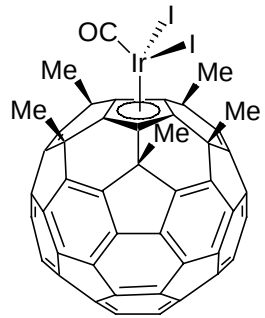
Sample:	$Fe(C_{60}Me_5)Cp$ (Cp= Cyclopentadiene)
CAS No.:	-
Molecular formula:	$C_{70}H_{20}Fe$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



Data courtesy of
Dr. Yutaka Matsuo and Prof. Eiichi Nakamura (Nakamura Functional Carbon Cluster Project, ERATO, Japan Science and Technology Agency)

Fullerene Chromatogram Index

Sample:	$IrC_{60}Me_5(CO)I_2$
CAS No.:	-
Molecular formula:	$C_{60}H_{15}I_2OIr$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	-
Injection volume:	5.0 μl



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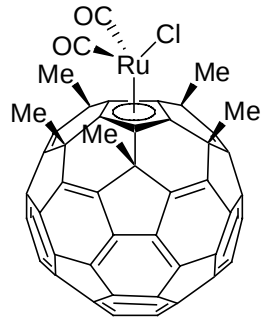
Fullerene Chromatogram Index

Sample:	$RuC_{60}Me_5Cl(CO)_2$
CAS No.:	-
Molecular formula:	$C_{67}H_{15}ClO_2Ru$
Column:	Buckyprep
Column size:	4.6 mmI.D.-250 mm
Mobile phase:	Toluene : IPA = 70 : 30
Flow rate:	2 ml/min
Temperature:	(25℃) Room temperature
Detection:	UV 350 nm
Attenuation:	-
Sample conc.:	0.40 mg/ml
Injection volume:	10.0 μl



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