



КАПИЛЛЯРНЫЕ КОЛОННЫ DN-5

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81

Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54

Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

DN-5 15m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 125	
0.25mm	0.25µm	350°C	9414.116 126	
0.25mm	0.45µm	330°C	9414.116 127	
0.25mm	1.00µm	330°C	9414.116 128	
0.25mm	1.50µm	330°C	9414.116 129	
0.32mm	0.15µm	350°C	9414.116 130	
0.32mm	0.25µm	350°C	9414.116 131	
0.32mm	0.45µm	330°C	9414.116 132	
0.32mm	1.00µm	330°C	9414.116 133	
0.32mm	1.50µm	330°C	9414.116 134	
0.32mm	3.00µm	320°C	9414.116 135	
0.32mm	5.00µm	320°C	9414.116 136	
0.53mm	0.15µm	350°C	9414.116 137	
0.53mm	0.25µm	350°C	9414.116 138	
0.53mm	0.45µm	330°C	9414.116 139	
0.53mm	1.00µm	330°C	9414.116 140	
0.53mm	1.50µm	330°C	9414.116 141	012/017/019
0.53mm	3.00µm	320°C	9414.116 142	
0.53mm	5.00µm	320°C	9414.116 143	

DN-5 50m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 182	
0.25mm	0.25µm	350°C	9414.116 183	
0.25mm	0.45µm	330°C	9414.116 184	
0.25mm	1.00µm	330°C	9414.116 185	
0.25mm	1.50µm	330°C	9414.116 186	
0.32mm	0.15µm	350°C	9414.116 187	
0.32mm	0.25µm	350°C	9414.116 188	
0.32mm	0.45µm	330°C	9414.116 189	
0.32mm	1.00µm	330°C	9414.116 190	
0.32mm	1.50µm	330°C	9414.116 191	
0.32mm	3.00µm	320°C	9414.116 192	
0.32mm	5.00µm	320°C	9414.116 193	
0.53mm	0.15µm	350°C	9414.116 194	
0.53mm	0.25µm	350°C	9414.116 195	
0.53mm	0.45µm	330°C	9414.116 196	
0.53mm	1.00µm	330°C	9414.116 197	
0.53mm	1.50µm	330°C	9414.116 198	
0.53mm	3.00µm	320°C	9414.116 199	
0.53mm	5.00µm	320°C	9414.116 200	

DN-5 25m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 144	
0.25mm	0.25µm	350°C	9414.116 145	010/014/015
0.25mm	0.45µm	330°C	9414.116 146	
0.25mm	1.00µm	330°C	9414.116 147	
0.25mm	1.50µm	330°C	9414.116 148	
0.32mm	0.15µm	350°C	9414.116 149	
0.32mm	0.25µm	350°C	9414.116 150	011/013/018
0.32mm	0.45µm	330°C	9414.116 151	
0.32mm	1.00µm	330°C	9414.116 152	016
0.32mm	1.50µm	330°C	9414.116 153	
0.32mm	3.00µm	320°C	9414.116 154	
0.32mm	5.00µm	320°C	9414.116 155	
0.53mm	0.15µm	350°C	9414.116 156	
0.53mm	0.25µm	350°C	9414.116 157	
0.53mm	0.45µm	330°C	9414.116 158	
0.53mm	1.00µm	330°C	9414.116 159	
0.53mm	1.50µm	330°C	9414.116 160	
0.53mm	3.00µm	320°C	9414.116 161	
0.53mm	5.00µm	320°C	9414.116 162	

DN-5 60m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 201	
0.25mm	0.25µm	350°C	9414.116 202	
0.25mm	0.45µm	330°C	9414.116 203	
0.25mm	1.00µm	330°C	9414.116 204	
0.25mm	1.50µm	330°C	9414.116 205	
0.32mm	0.15µm	350°C	9414.116 206	
0.32mm	0.25µm	350°C	9414.116 207	
0.32mm	0.45µm	330°C	9414.116 208	
0.32mm	1.00µm	330°C	9414.116 209	
0.32mm	1.50µm	330°C	9414.116 210	
0.32mm	3.00µm	320°C	9414.116 211	
0.32mm	5.00µm	320°C	9414.116 212	
0.53mm	0.15µm	350°C	9414.116 213	
0.53mm	0.25µm	350°C	9414.116 214	
0.53mm	0.45µm	330°C	9414.116 215	
0.53mm	1.00µm	330°C	9414.116 216	
0.53mm	1.50µm	330°C	9414.116 217	
0.53mm	3.00µm	320°C	9414.116 218	
0.53mm	5.00µm	320°C	9414.116 219	

DN-5 30m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 163	
0.25mm	0.25µm	350°C	9414.116 164	
0.25mm	0.45µm	330°C	9414.116 165	
0.25mm	1.00µm	330°C	9414.116 166	
0.25mm	1.50µm	330°C	9414.116 167	
0.32mm	0.15µm	350°C	9414.116 168	
0.32mm	0.25µm	350°C	9414.116 169	020
0.32mm	0.45µm	330°C	9414.116 170	
0.32mm	1.00µm	330°C	9414.116 171	
0.32mm	1.50µm	330°C	9414.116 172	
0.32mm	3.00µm	320°C	9414.116 173	
0.32mm	5.00µm	320°C	9414.116 174	
0.53mm	0.15µm	350°C	9414.116 175	
0.53mm	0.25µm	350°C	9414.116 176	
0.53mm	0.45µm	330°C	9414.116 177	
0.53mm	1.00µm	330°C	9414.116 178	
0.53mm	1.50µm	330°C	9414.116 179	
0.53mm	3.00µm	320°C	9414.116 180	
0.53mm	5.00µm	320°C	9414.116 181	

DN-5 Technical Specifications

Every Column Individually Tested
 Test Certified and Grob Mixture included in each Column
 Instruction Manual included in each Column

DANI DN-5 Capillary Column
 (5% Phenyl) - 95% methylpolysiloxane
 Non-polar
 Bonded and cross-linked
 Inertness
 Low bleeding
 Good thermal stability

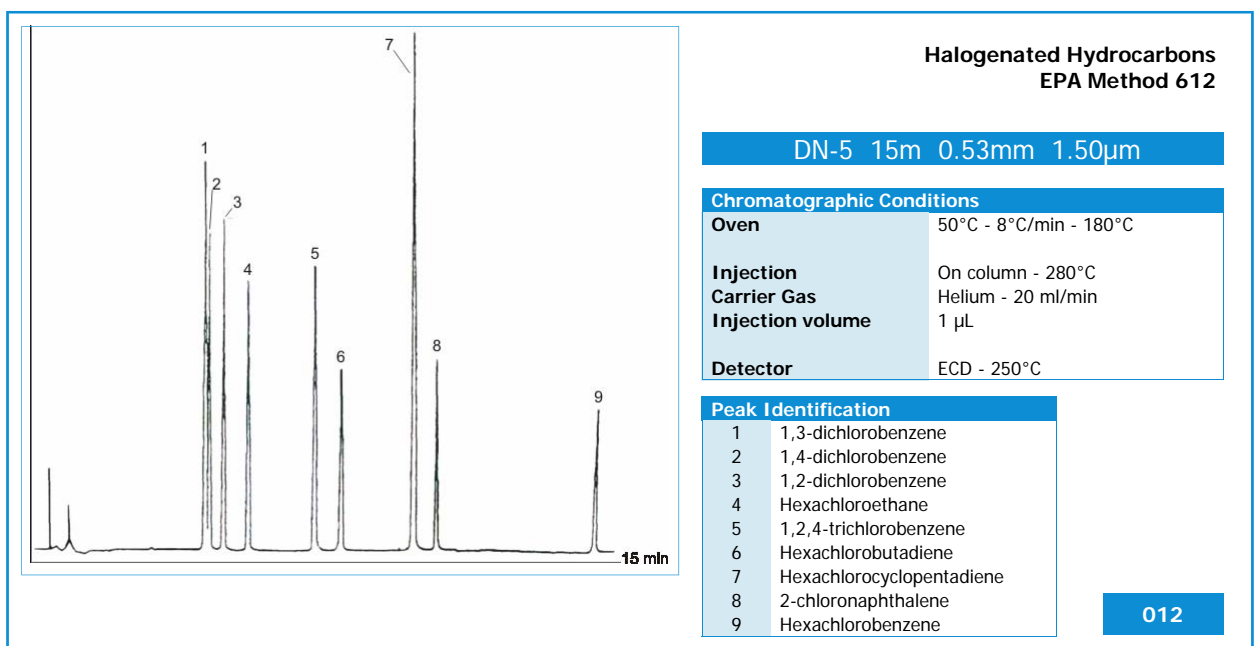
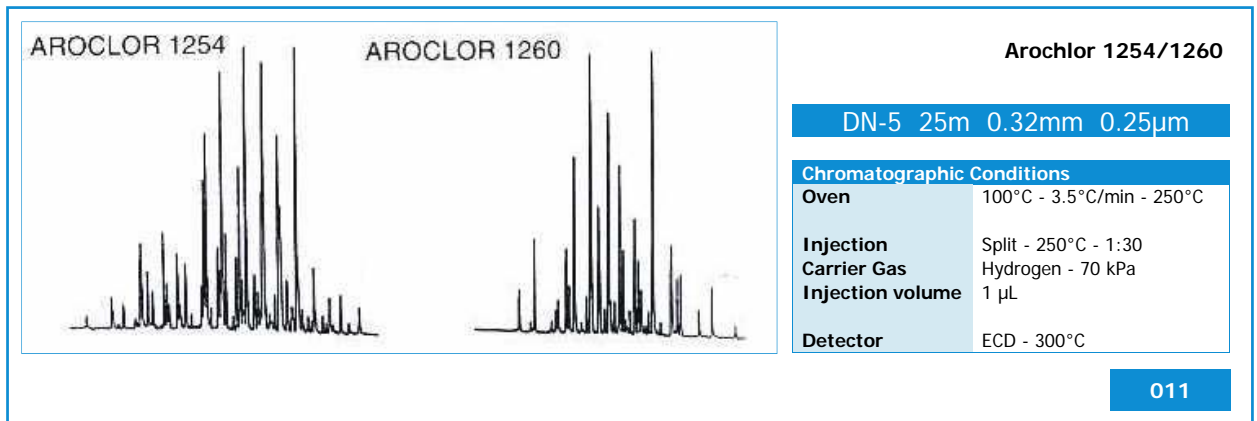
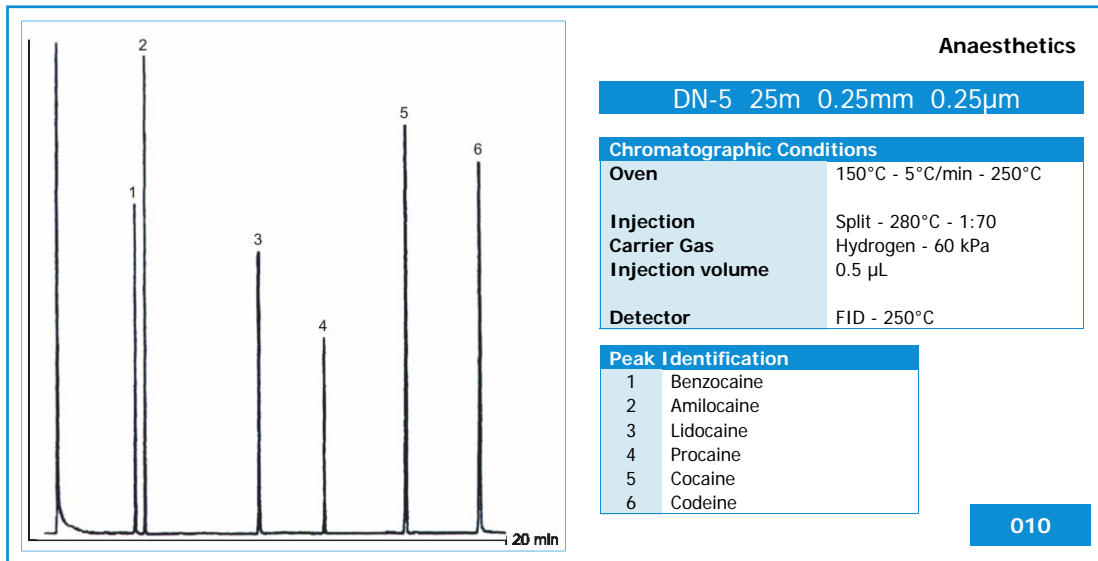
Similar to 007-2, CP-Sil 8CB, DBTM-5, DBTM-5.625, HPTM-5, SAC-5, OVTM-5, PTE-5, PTE-5QTM, PAS-5, RSL-200, RtxTM-5, SE-54, SPB-5, ULTRA-2, XTI-5, SE-52, BP-5, PE-2, ZB-5, ATTM-5, ECTM-5

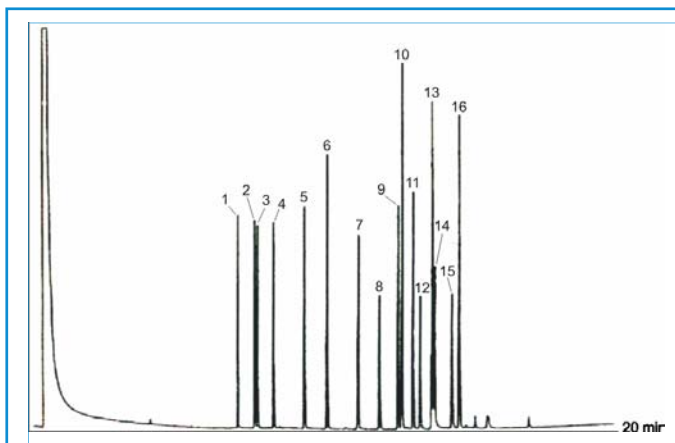
Equivalent to USP G27, G36



DN-5

Chromatograms





Organochlorinated Pesticides EPA Method 608/8081

DN-5 25m 0.32mm 0.25µm

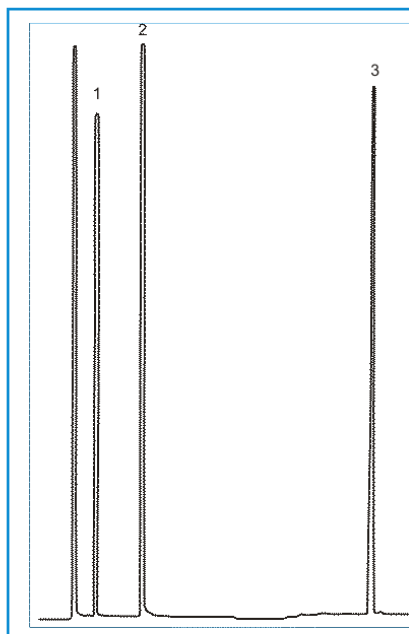
Chromatographic Conditions

Oven	65°C - 20°C/min - 150°C - 7°C/min - 260°C
Injection	On column
Carrier Gas	Hydrogen - 60 kPa
Injection volume	1 µL
Detector	FID - 280°C

Peak Identification

1	Alpha - BHC
2	Beta - BHC
3	Gamma - BHC
4	Delta - BHC
5	Heptachlor
6	Aldrin
7	Heptachlor epoxide
8	Endosulfan I
9	4,4' DDE
10	Dieldrin
11	Endrin
12	4,4' DDD
13	Endosulfan II
14	Endrin aldehyde
15	4,4' DDT
16	Endosulfan sulfate

013



Pharmaceuticals

DN-5 25m 0.25mm 0.25µm

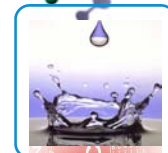
Chromatographic Conditions

Oven	150°C - 5°C/min - 260°C
Injection	Splitless - 250°C
Carrier Gas	Hydrogen - 60 kPa
Injection volume	1 µL
Detector	FID - 280°C

Peak Identification

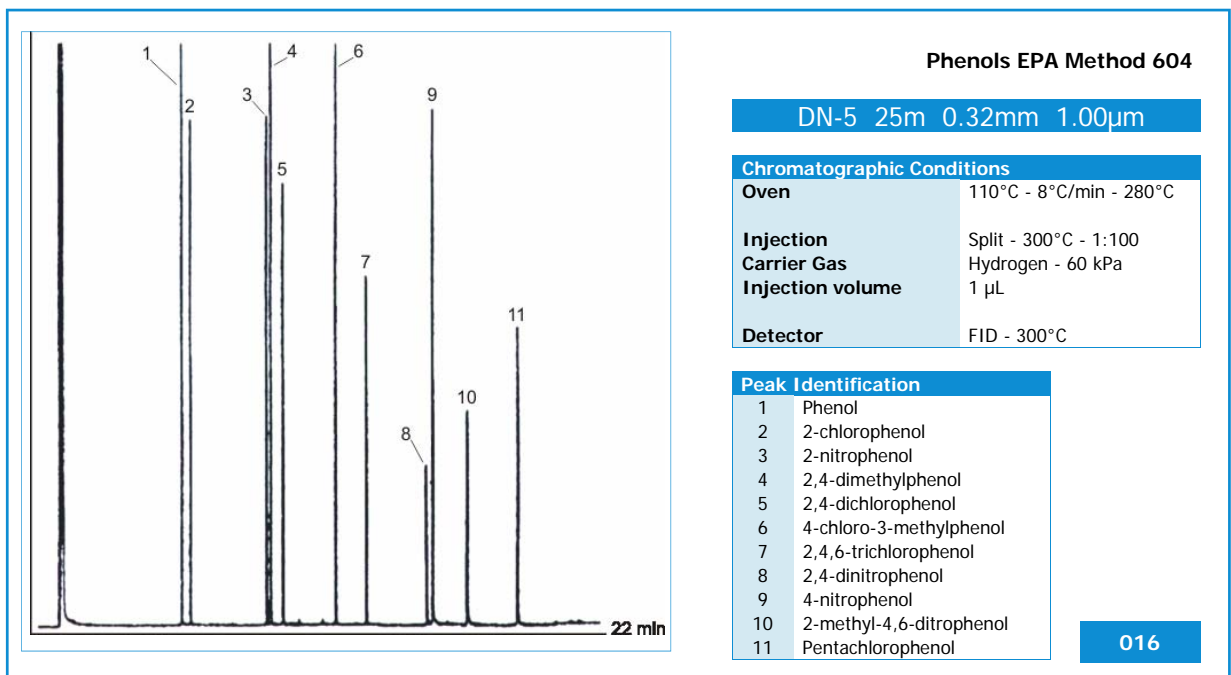
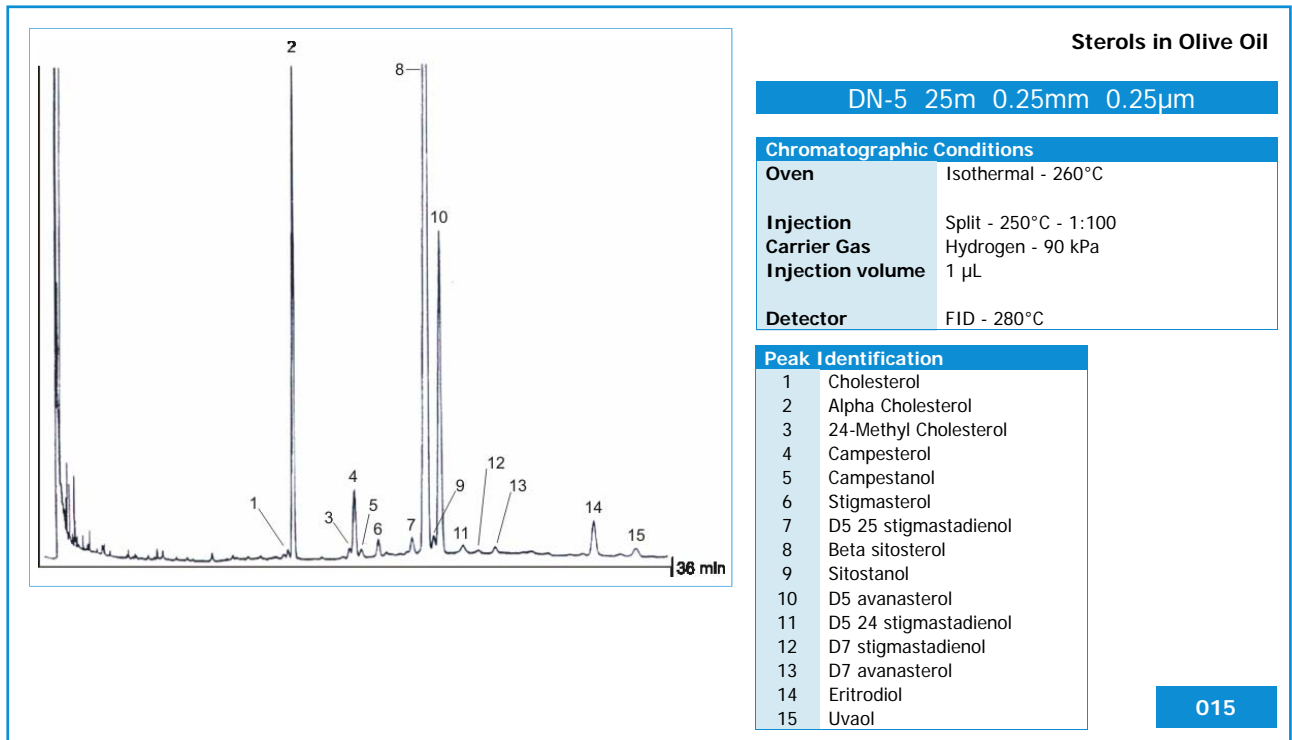
1	Amphetamine
2	Ephedrine
3	Caffeine

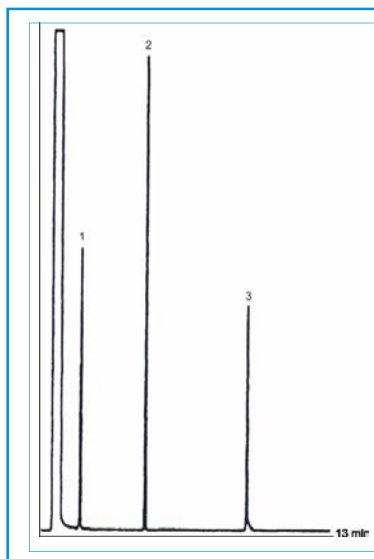
014



DN-5

Chromatograms





Nitrosamines EPA Method 607

DN-5 15m 0.53mm 1.50µm

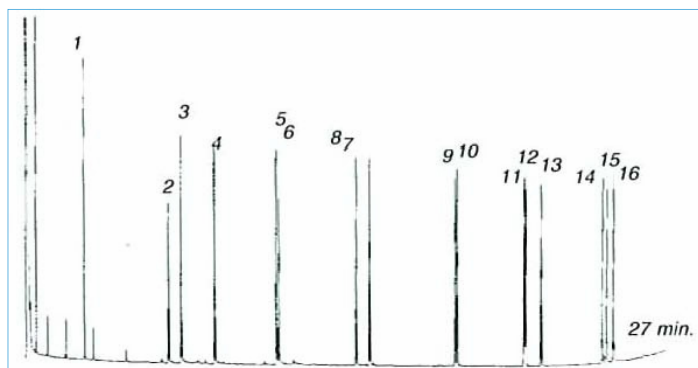
Chromatographic Conditions

Oven	40°C - 20°C/min - 240°C
Injection	On column - 240°C
Carrier Gas	Hydrogen - 10 mL/min
Injection volume	1 µL
Detector	FID - 280°C

Peak Identification

1	N-Nitrosodimethylamine
2	N-Nitrosodi-n-propylamine
3	N-Nitrosodiphenylamine

017



PAH's EPA Method 610/8100

DN-5 25m 0.32mm 0.25µm

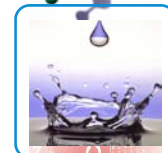
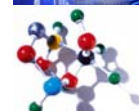
Chromatographic Conditions

Oven	60°C - 4°C/min - 300°C
Injection	On column
Carrier Gas	Hydrogen - 70 kPa
Injection volume	1 µL
Detector	FID - 300°C

Peak Identification

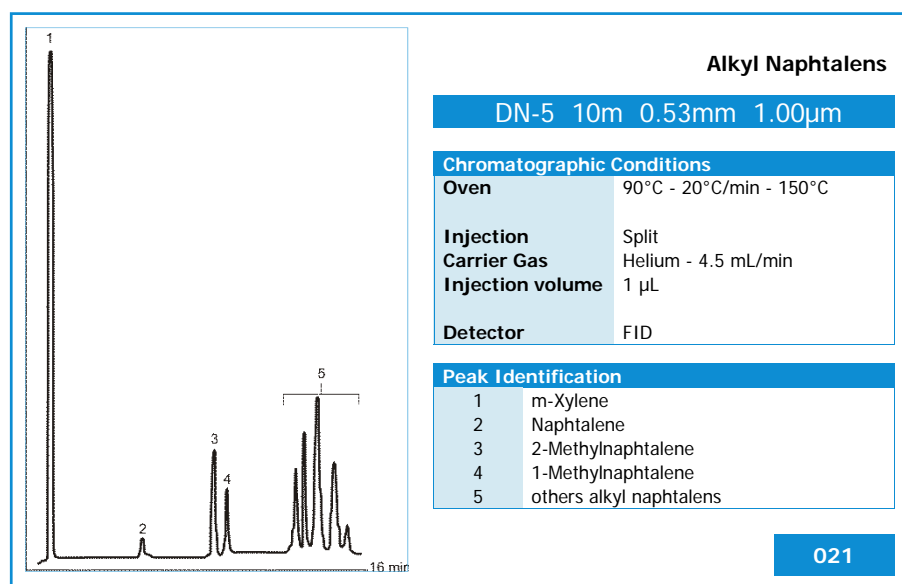
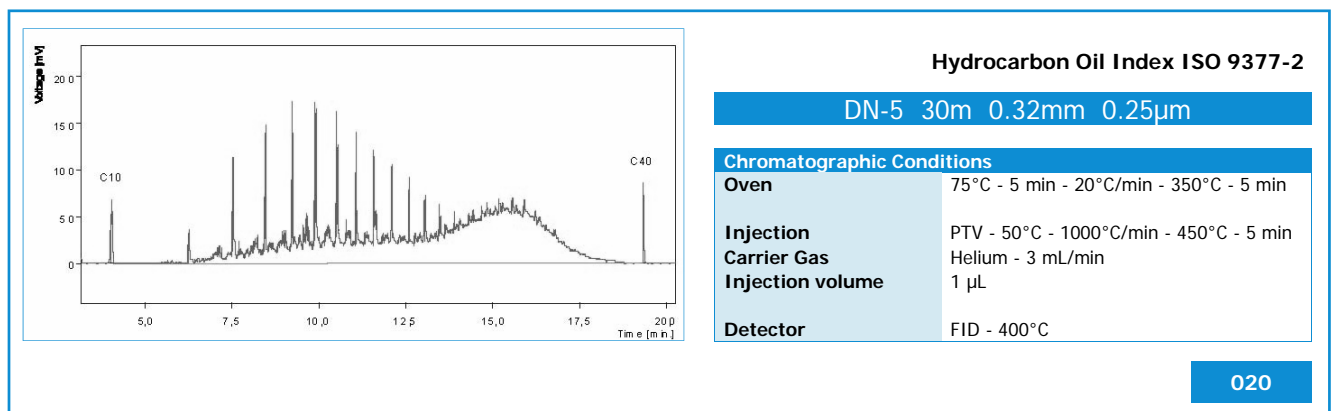
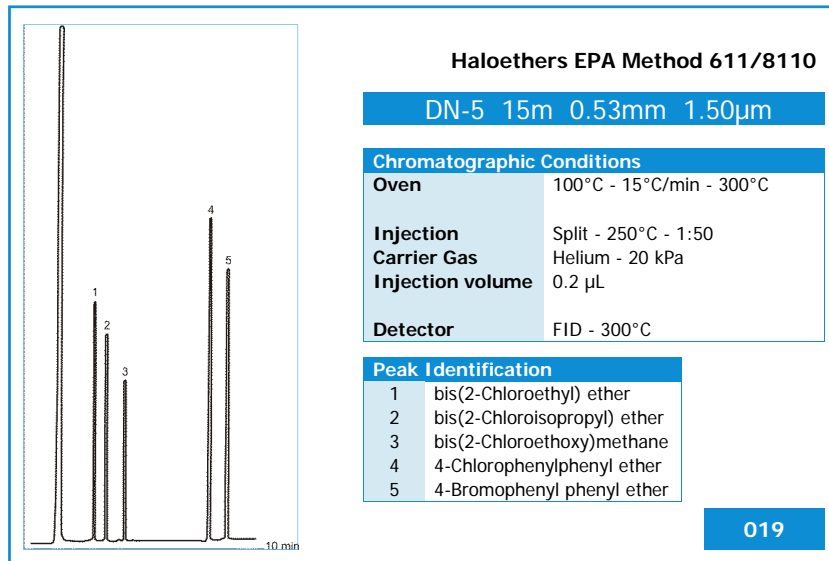
1	Naphthalene
2	Acenaphthylene
3	Acenaphthene
4	Fluorene
5	Phenanthrene
6	Anthracene
7	Fluoranthene
8	Pyrene
9	Benzo (a) Anthracene
10	Chrysene
11	Benzo (b) fluoranthene
12	Benzo (k) fluoranthene
13	Benzo (a) pyrene
14	Indeno (1,2,3-cd) pyrene
15	Dibenzo (a,h) Anthracene
16	Benzo (ghi) perylene

018



DN-5

Chromatograms



DN-5 HT

DN-5 HT 15m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.10µm	380°C	9414.117 207	
0.32mm	0.10µm	380°C	9414.117 208	
0.53mm	0.10µm	380°C	9414.117 209	

DN-5 HT 50m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.10µm	380°C	9414.117 216	
0.32mm	0.10µm	380°C	9414.117 217	
0.53mm	0.10µm	380°C	9414.117 218	

DN-5 HT 25m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.10µm	380°C	9414.117 210	
0.32mm	0.10µm	380°C	9414.117 211	
0.53mm	0.10µm	380°C	9414.117 212	

DN-5 HT 60m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.10µm	380°C	9414.117 219	
0.32mm	0.10µm	380°C	9414.117 220	
0.53mm	0.10µm	380°C	9414.117 221	

DN-5 HT 30m

ID	Film	Max Temp	Code	Chroma
0.25mm	0.10µm	380°C	9414.117 213	
0.32mm	0.10µm	380°C	9414.117 214	
0.53mm	0.10µm	380°C	9414.117 215	

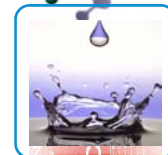
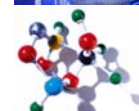
DN-5 HT Technical Specifications

Every Column Individually Tested
 Test Certified and Grob Mixture included in each Column
 Instruction Manual included in each Column

DANI DN-5 HT Capillary Column
 (5% Phenyl) - 95% methylpolysiloxane
 Non-polar
 Bonded and cross-linked
 Inertness
 Low bleeding
 Good thermal stability

Similar to 007-2, CP-Sil 8CB, DBTM-5, DBTM-5.625, HPTM-5, SAC-5, OVTM-5, PTE-5, PTE-5QTM, PAS-5, RSL-200, RtxTM-5, SE-54, SPB-5, ULTRA-2, XTI-5, SE-52, BP-5, PE-2, ZB-5, ATTM-5, ECTM-5

Equivalent to USP G27, G36



DN-5 MS

DN-5 MS 15m				
ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 220	
0.25mm	0.25µm	350°C	9414.116 221	
0.32mm	0.15µm	350°C	9414.116 222	
0.32mm	0.25µm	350°C	9414.116 223	

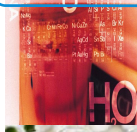
DN-5 MS 50m				
ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 232	
0.25mm	0.25µm	350°C	9414.116 233	
0.32mm	0.15µm	350°C	9414.116 234	
0.32mm	0.25µm	350°C	9414.116 235	

DN-5 MS 25m				
ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 224	
0.25mm	0.25µm	350°C	9414.116 225	
0.32mm	0.15µm	350°C	9414.116 226	
0.32mm	0.25µm	350°C	9414.116 227	

DN-5 MS 60m				
ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 236	
0.25mm	0.25µm	350°C	9414.116 237	
0.32mm	0.15µm	350°C	9414.116 238	
0.32mm	0.25µm	350°C	9414.116 239	

DN-5 MS 30m				
ID	Film	Max Temp	Code	Chroma
0.25mm	0.15µm	350°C	9414.116 228	
0.25mm	0.25µm	350°C	9414.116 229	
0.32mm	0.15µm	350°C	9414.116 230	
0.32mm	0.25µm	350°C	9414.116 231	

DN-5 MS		Technical Specifications
Every Column Individually Tested Test Certified and Grob Mixture included in each Column Instruction Manual included in each Column		
DANI DN-5 MS Capillary Column (5% Phenyl) - 95% methylpolysiloxane Non-polar Bonded and cross-linked Inertness Low bleeding Good thermal stability		
Similar to	DB™-5ms, Rtx™-5 sil ms, HP™-5ms, BPX-5, 007-5ms, AT™-5ms	
Equivalent to	USP G27, G36	



DN-5 FAST 5m

ID	Film	Max Temp	Code	Chroma
0.05mm	0.05µm	350°C	9414.116 240	
0.05mm	0.10µm	350°C	9414.116 241	
0.10mm	0.10µm	350°C	9414.116 242	022/023/024
0.10mm	0.20µm	350°C	9414.116 243	

DN-5 FAST 10m

ID	Film	Max Temp	Code	Chroma
0.05mm	0.05µm	350°C	9414.116 244	
0.05mm	0.10µm	350°C	9414.116 245	
0.10mm	0.10µm	350°C	9414.116 246	
0.10mm	0.20µm	350°C	9414.116 247	

DN-5 FAST 15m

ID	Film	Max Temp	Code	Chroma
0.10mm	0.10µm	350°C	9414.117 301	

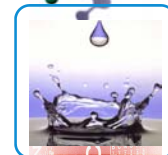
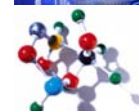
DN-5 FAST Technical Specifications

Every Column Individually Tested
 Test Certified and Grob Mixture included in each Column
 Instruction Manual included in each Column

DANI DN-5 FAST Capillary Column
 (5% Phenyl) - 95% methylpolysiloxane
 Non-polar
 Bonded and cross-linked
 Inertness
 Low bleeding
 Good thermal stability

Similar to 007-2, CP-Sil 8CB, DBTM-5, DBTM-5.625, HPTM-5, SAC-5, OVTM-5, PTE-5, PTE-5QTM, PAS-5, RSL-200, RtxTM-5, SE-54, SPB-5, ULTRA-2, XT1-5, SE-52, BP-5, PE-2, ZB-5, ATTM-5

Equivalent to USP G27, G36



DN-5 FAST

Chromatograms

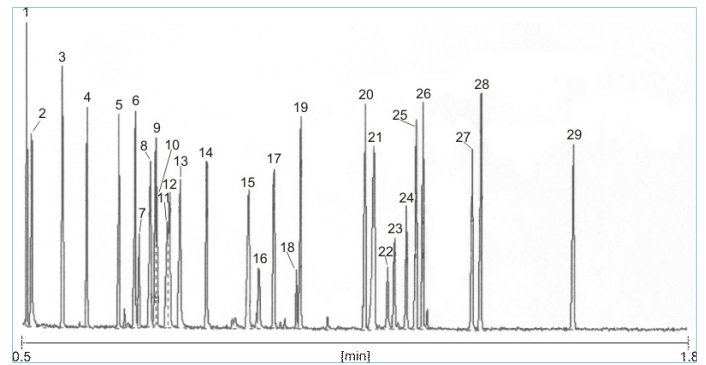
Peak Identification	
1	Benzyl Alcohol
2	Limonene
3	Linalol
4	Veratrol
5	Me-Octynoate
6	Citronellol
7	Citral 1
8	Geraniol
9	Cynnamic Ald.
10	Citral 2
11	Anysic Alcohol
12	OH-Citronellal
13	Cynnamic Alcohol
14	Eugenol
15	Coumarine
16	Isoeugenol
17	α iso Me-Ionone
18	α Me-Ionone
19	Lilial
20	Farnesol 1
21	Lyral 1 + Lyral 2
22	Farnesol 1
23	Farnesol 2
24	Farnesol 3
25	Amyl Cynnamal
26	Hexyl Cynnamal
27	Bz. Salicylate
28	1-Ph-Decanone
29	Bz. Cynnamate

Allergens

DN-5 FAST 5m 0.10mm 0.10 μ m

Chromatographic Conditions

Oven	50°C - 0.1 min - 15°C/min 250°C - 5 min
Injection	Split - 230°C - 1:200
Carrier Gas	Hydrogen - 0.5 ml/min
Injection volume	1 μ L
Detector	FID - 250°C



Courtesy of Prof. C. Bicchi, C. Brunelli
Università di Torino - Dipartimento Scienza e Tecnologia del Farmaco
Via P. Giuria, 9 - Torino - ITALY

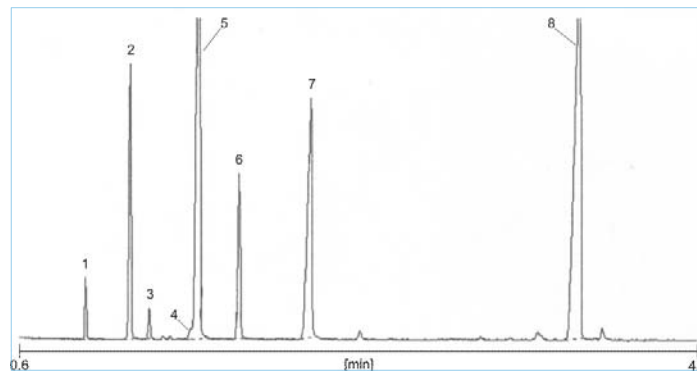
022

Bergamot

DN-5 FAST 5m 0.10mm 0.10 μ m

Chromatographic Conditions

Oven	50°C - 0.1 min - 15°C/min - 250°C - 5 min
Injection	Split - 230°C - 1:200
Carrier Gas	Hydrogen - 0.5 ml/min
Injection volume	1 μ L
Detector	FID - 250°C



Peak Identification

1	α -Pinene
2	β -Pinene
3	Myrcene
4	p-Cimene
5	Limonene
6	γ -Terpinene
7	Linalol
8	Linalyl Acetate

Courtesy of Prof. C. Bicchi, C. Brunelli
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023



DN-5 FAST

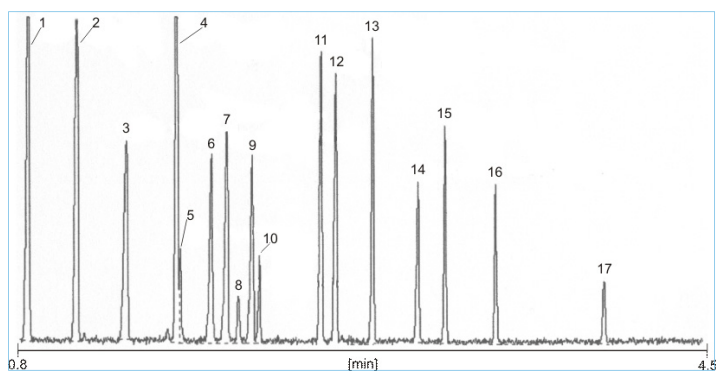
Chromatograms

Pesticides

DN-5 FAST 5m 0.10mm 0.10µm

Chromatographic Conditions

Oven	50°C - 0.1 min - 15°C/min - 250°C - 5 min
Injection	Split - 230°C - 1:200
Carrier Gas	Hydrogen - 0.5 ml/min
Injection volume	1 µL
Detector	FID - 250°C

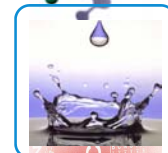


Peak Identification

1	α-HCH
2	γ-HCH
3	Chlorotalonil
4	Heptachlor
5	Parathion-Me
6	Paraoxon-E
7	Malathion
8	Fenitrothion
9	Parathion-Et
10	/
11	Chlordane-Trans
12	Chlordane-Cis + α-End.
13	Dieldrin
14	β-Endosulfan
15	o,p'-DDT
16	p,p'-DDT
17	Tetradifon

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024



DN-5 FAST HT

DN-5 FAST HT 5m

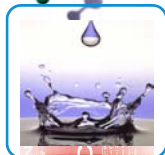
ID	Film	Max Temp	Code	Chroma
0.05mm	0.05 μ m	380°C	9414.117 273	
0.05mm	0.10 μ m	380°C	9414.117 274	

0.10mm	0.10 μ m	380°C	9414.117 275	
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DN-5 FAST HT 10m

ID	Film	Max Temp	Code	Chroma
0.05mm	0.05 μ m	380°C	9414.117 276	
0.05mm	0.10 μ m	380°C	9414.117 277	

0.10mm	0.10 μ m	380°C	9414.117 278	
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DN-5 FAST HT

Technical Specifications

Every Column Individually Tested

Test Certified and Grob Mixture included in each Column

Instruction Manual included in each Column

DANI DN-5 FAST HT Capillary Column
(5% Phenyl) - 95% methylpolysiloxane

Non-polar

Bonded and cross-linked

Inertness

Low bleeding

Good thermal stability

Similar to 007-2, CP-Sil 8CB, DBTM-5, DBTM-5.625, HPTM-5, SAC-5, OVTM-5, PTE-5, PTE-5QTM, PAS-5, RSL-200, RtxTM-5, SE-54, SPB-5, ULTRA-2, XT1-5, SE-52, BP-5, PE-2, ZB-5, ATTM-5

Equivalent to USP G27, G36

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