eurofins | Umwelt

EUROFINS-AUA GmbH Niederlassung Freiberg
OT Tuttendorf, Gewerbepark „Schwarze Kiefern" D-09633 Halsbrücke

Auftraggeber:

HPC
HARRESS PICKEL CONSULT AG

Nansenstr. 5

79539 Lörrach

Prüfbericht Nr.: 10906470

(Seite 1 von 1 Seiten; Anlage Chromatogramm)

Projekt: HPC 2092160

Auftrag: Untersuchung einer Probe

Auftrag vom: 08.12.2009 Prüfzeitraum: 09.12. bis 10.12.2009

Probenahme: Die Proben wurden vom Auftraggeber angeliefert!

Prüfverfahren:

GC-MS-Screening (N)

Freiberg, den 10.12.2009

Dipl.-Chem. A. Ulbricht
Laborleiter

Proben werden, wenn nicht anders vereinbart oder fachlich begründet, 3 Monate im Labor aufbewahrt. Die Prüfergebnisse beziehen sich ausschließlich auf die vorliegenden Prüfgegenstände. Sofern die Proben nicht ein Mitarbeiter unseres Labors genommen hat, wird die Verantwortung für die Richtigkeit der Probenahme abgelehnt! Dieser Prüfbericht darf nur vollständig und unverändert weiterverbreitet werden. Auszüge oder Änderungen bedürfen in jedem Einzelfall der Genehmigung der EUROFINS - AUA GmbH Ndl. Freiberg. Prüfberichte ohne Unterschrift haben keine Gültigkeit! Fremdvergaben in akkreditierte Laboratorien sind mit F und in akkreditierte Laboratorien des Firmenverbundes mit FF gekennzeichnet. Nicht akkreditierte Prüfverfahren sind mit N gekennzeichnet.

Nach DIN EN ISO/IEC 17025:2005 durch die
DACH Deutsche Akkreditierungsstelle Chemie GmbH akkreditiertes Prüflaboratorium.

Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren.

Deutscher Akkreditierungs Rat
DAR
DAC-PL-0540-07-03

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Anlage zum Auftrag 10906470

GC-MS-Screening – Probe 41064 / KE 38 0-6 m

Von der gelieferten Bodenprobe wurde ein Hexanextrakt hergestellt und mittels GC-MS eine Screeninganalyse durchgeführt. Ein Abgleich der Spektren der einzelnen Komponenten mit der Spektrenbibliothek erfolgte über einen automatischen Suchlauf. Alle gefundenen Substanzen sind in beigefügter Liste aufgeführt. Für jede Komponente stehen drei Möglichkeiten zur Auswahl. Bei einer Qualität (siehe Tabelle letzte Spalte) von >70% kann von einer richtigen Identifizierung ausgegangen werden.

Für die Hauptbestandteile der Probe (Retentionszeit ab 33.00 min) konnte keine eindeutige Zuordnung gefunden werden. Es handelt sich um substituierte aromatische Verbindungen bzw. Zersetzungsprodukte mit Molmassen von 300 bis 550.
Weitere Bestandteile sind:
-Ethylvanillin
-PAH´s
-substituierte aliphatische und aromatische Verbindungen

Messbedingungen :
-GC-MS-System 6890N mit MSD 5973N und ALS Fa.: Agilent Techn.

-Kapillarsäule: HP 5 MS (30 m x 0, 25 mm x 0, 25 µm)
-Temperaturprogramm: 50°C; (1min); 7K/min auf 300 °C; 10min
-Transferline: 280 °C
-Temperatur Quadrupol: 150 °C
-Temperatur Ionenquelle: 280°C
-Injektionsvolumen: 2 µl
-Injektortemperatur: 250 °C
-Trägergas: He (1 ml/min)
-Elektronenionisation
-Scan-Modus Massenbereich 30 bis 550
-Scan-Rate 2,8 scans/s

```
File        : C:\MSDCHEM\1\DATA\41064.D
Operator    : CR
Acquired    :  9 Dec 2009  19:32     using AcqMethod SCREEN
Instrument  :    Instrumen
Sample Name: 10906470-41064
Misc Info   :
Vial Number: 2
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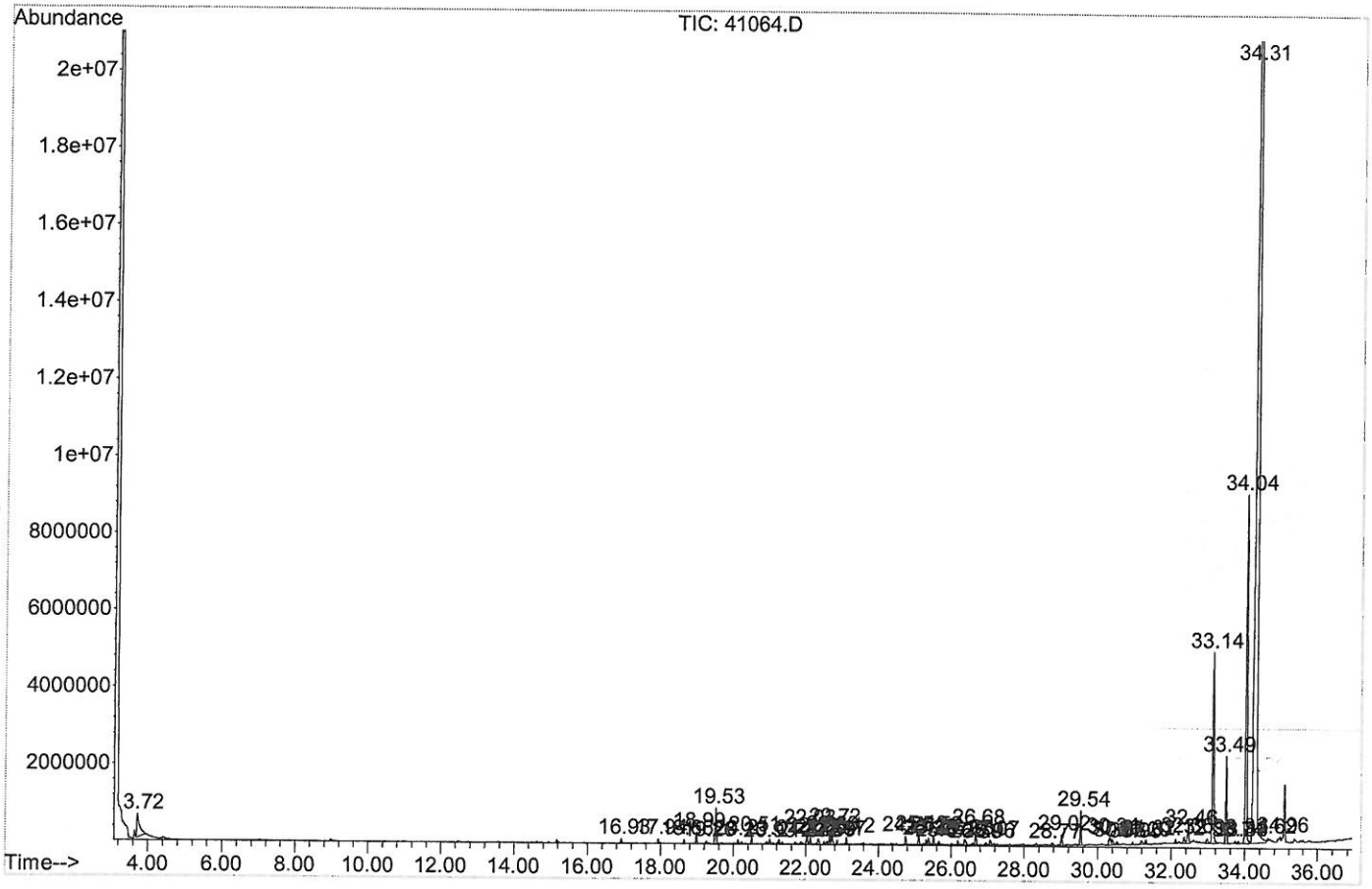

Information from Data File:

File: C:\MSDCHEM\1\DATA\41064.D
Operator: CR
Date Acquired: 9 Dec 2009 19:32
Method File: SCREEN
Sample Name: 10906470-41064
Misc Info:
Vial Number: 2

Search Libraries: C:\DATABASE\wiley275.l Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: Chemstation Integrator - events.e

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.73	1.61	C:\DATABASE\wiley275.l			
			3-Hexen-2-one (CAS) $$ 1-Buteny...	5670	000763-93-9	91
			4-METHYL-3-PENTEN-2-ONE	5904	000000-00-0	91
			3-Penten-2-one, 4-methyl- (CAS)...	5693	000141-79-7	91
2	16.93	0.12	C:\DATABASE\wiley275.l			
			ETHYL VANILLIN	50839	000121-32-4	95
			ETHYL VANILLIN	50771	000121-32-4	94
			Benzaldehyde, 3-ethoxy-4-hydrox...	50768	000121-32-4	94
3	17.94	0.11	C:\DATABASE\wiley275.l			
			ETHYL VANILLIN	50839	000121-32-4	86
			Benzaldehyde, 3-ethoxy-4-hydrox...	50766	000121-32-4	70
			ETHYL VANILLIN	50770	000121-32-4	70
4	18.66	0.11	C:\DATABASE\wiley275.l			
			4-ETHOXY-3-METHOXYBENZALDEHYDE	64395	000000-00-0	86
			4-Ethoxy-3-anisaldehyde $$ 4-Et...	64473	000120-25-2	86
			3-Ethoxy-4-methoxybenzaldehyde ...	64463	001131-52-8	86
5	18.99	0.31	C:\DATABASE\wiley275.l			
			3,4-Diethoxybenzaldehyde $$ Ben...	78281	002029-94-9	97
			3,4-DIETHOXYBENZALDEHYDE	78178	000000-00-0	96
			ETHYL VANILLIN	50871	000000-00-0	53
6	19.26	0.08	C:\DATABASE\wiley275.l			
			.beta.-D-Mannopyranose, 1,2:3,4...	143880	072361-04-7	14
			Hexose, 2,3-dideoxy-5,6-O-(1-me...	72262	054798-89-9	14
			1-Hexanamine (CAS) $$ n-Hexylam...	7235	000111-26-2	10
7	19.53	1.21	C:\DATABASE\wiley275.l			
			1,2:4,6-Di-O-isopropylidene-L-s...	143886	032717-65-0	53
			2,3:4,6-DI-O-ISOPROPYLIDENE-L-S...	143872	000000-00-0	53
			1,2:3,4-Di-O-isopropylidene-.be...	143873	085506-51-0	40
8	20.14	0.08	C:\DATABASE\wiley275.l			
			Dimethyl-1,3-dimethylindol-2-yl...	167653	034203-07-1	59
			D-Mannitol, 1,2:3,4:5,6-tris-O-...	179518	003969-59-3	43
			(5.alpha.,6.alpha.)-4,5-epoxy-3...	167751	000000-00-0	23
9	20.51	0.19	C:\DATABASE\wiley275.l			
			Methyl 4-bromo-3-oxobutyrate $$...	77425	017790-81-7	18
			ETHYL VANILLIN	50839	000121-32-4	10
			2-Fluorophenyl isocyanate $$ o-...	25499	016744-98-2	10
10	20.93	0.06	C:\DATABASE\wiley275.l			
			5,6-Dihydro-4H-pyrazino[3,2,1-j...	93919	018046-26-9	50
			1-[(hexadeuterio)phenyl]naphtha...	89847	000605-02-7	50
			Chalcone $$ 2-Propen-1-one, 1,3...	94106	000094-41-7	27
11	21.01	0.12	C:\DATABASE\wiley275.l			
			2-Pentenoic acid, 4-oxo-, methy...	18938	019522-27-1	35
			2-Pentenoic acid, 4-oxo-, methy...	18937	019522-27-1	35
			Cyclohexanone, 5-methyl-2-(1-me...	40236	000491-07-6	35
12	21.87	0.07	C:\DATABASE\wiley275.l			
			4H-Furo[3,2-c][1]benzopyran-4-o...	116204	092809-86-4	78
			3,4,5-TRIMETHYL-5,6,7,8-TETRAHY...	116350	062212-09-3	72

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                 4-HYDROXY-2-ISOPROPYL-4,7-DIMET... 116342 060263-15-2 64

13  22.03  0.40 C:\DATABASE\wiley275.l
                 4-FLUORO-2',6'-DIMETHYLBIPHENYL...  85412 072968-89-9 64
                 4-FLUORO-3',4'-DIMETHYLBIPHENYL...  85413 072968-91-3 64
                 4-FLUORO-2',4'-DIMETHYLBIPHENYL...  85410 053243-82-6 59

14  22.12  0.19 C:\DATABASE\wiley275.l
                 (5.alpha.,6.alpha.)-7,8-didehyd... 207552 000000-00-0 17
                 3-hydroxycarbonyl-4-(1',3'-diox... 207464 000000-00-0 16
                 (+)-Zippeline $$ Morphinan-6-on... 207560 123750-35-6 12

15  22.35  0.19 C:\DATABASE\wiley275.l
                 Benzene, 1,1'-(1,2-ethynediyl)b...  63031 000501-65-5 90
                 9-methylenefluorene                 63085 000000-00-0 55
                 Phenanthrene                        63079 000085-01-8 55

16  22.51  0.08 C:\DATABASE\wiley275.l
                 Anthracene (CAS) $$ Anthracin $...  63041 000120-12-7 30
                 Anthracene (CAS) $$ Anthracin $...  63045 000120-12-7 30
                 Anthracene (CAS) $$ Anthracin $...  63044 000120-12-7 30

17  22.59  0.10 C:\DATABASE\wiley275.l
                 Benzene, 1,1'-oxybis[2-methoxy-... 116172 001655-70-5 87
                 1-methyl-8-nitro-1,2,3,4-tetrah... 116070 126175-55-1 80
                 Dibenzo[b,e][1,4]dioxin (CAS) $...  69162 000262-12-4 46

18  22.66  0.22 C:\DATABASE\wiley275.l
                 3,4,5-Trimethoxybenzylamine PFP    207364 000000-00-0 22
                 OXYMORPHONE DIACETATE              228535 000000-00-0 10
                 Trimethyloxymorphone               207541 000000-00-0  9

19  22.72  0.46 C:\DATABASE\wiley275.l
                 (Z)-3,4-dimethyl-5-(1,3,4-trime... 116257 097837-47-3 55
                 6-METHYLXANTHOTOXIN $$ 7H-Furo[... 116002 042207-31-8 50
                 5-(3-penten-1-ynyl)-2,2-bithienyl  116020 000000-00-0 49

20  22.87  0.11 C:\DATABASE\wiley275.l
                 Trimethyl citrate $$ 1,2,3-Prop... 119177 001587-20-8 22
                 Trimethyl citrate $$ 1,2,3-Prop... 119178 001587-20-8 22
                 Ethyl 8-oxononanoate                84932 000000-00-0 15

21  23.12  0.17 C:\DATABASE\wiley275.l
                 (5.alpha.,6.alpha.)-7,8-didehyd... 207552 000000-00-0 39
                 D-3-METHOXY-17.ALPHA.-HYDROXY-9... 207531 000000-00-0 38
                 oxybutynyn-hydrochloride           232064 000000-00-0 25

22  24.76  0.23 C:\DATABASE\wiley275.l
                 7H-Benzo[c]fluoren-7-one           116518 006051-98-5 78
                 6-METHYLXANTHOTOXIN $$ 7H-Furo[... 116002 042207-31-8 59
                 5-(N-Allylamino)-3,6-dimethylin... 116053 098217-13-1 58

23  25.12  0.27 C:\DATABASE\wiley275.l
                 5-(N-Allylamino)-3,6-dimethylin... 116053 098217-13-1 90
                 6-METHYLXANTHOTOXIN $$ 7H-Furo[... 116002 042207-31-8 78
                 2-amino-3-aminocarbonyl-5-pheny... 115679 019994-59-3 74

24  25.32  0.12 C:\DATABASE\wiley275.l
                 2-Hexanone, 5-methyl-5-phenyl- ...  74561 014128-61-1 43
                 2-Hexanone, 5-methyl-5-phenyl- ...  74562 014128-61-1 43
                 4-methyl-1-pentanoylbenzene         60822 000000-00-0 38

25  25.38  0.19 C:\DATABASE\wiley275.l
                 4-chloro-1a,9b-dihydro-1H-phena... 113255 111005-49-3 64
                 4-chloro-5H-dibenzo[b,f]azepine... 113256 118498-01-4 59
                 2-(p-propylphenyl)-5-cyano-6-ch... 140751 000000-00-0 50

26  25.52  0.25 C:\DATABASE\wiley275.l
                 2,4-DP-6Cl $$ 2-chloro-4,6-di(t... 151608 000000-00-0 50
                 2-(2-NITROPHENYL)BENZIMIDAZOLE ... 124877 002208-58-4 46
                 CYCLOPENTADIENYL-HAPTO-5-INDENY... 124962 000000-00-0 43

27  25.67  0.11 C:\DATABASE\wiley275.l
                 6-METHYLXANTHOTOXIN $$ 7H-Furo[... 116002 042207-31-8 90
                 2-(4-Methoxyphenyl)-N,N,2-trime... 116240 080569-37-5 83
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                2,2,5-trimethyl-2'(H)-5',6'-dih... 116377 127115-99-5 83

28  26.19  0.09 C:\DATABASE\wiley275.l
                Benzamide, N,N-diethyl-3-methyl...  75210 000134-62-3 38
                Benzene, 1-methyl-4-(1-methylet...  23313 000099-87-6 38
                2,4,5-TRIOXO-1-PHENYLIMIDAZOLID...  73964 002211-33-8 38

29  26.37  0.23 C:\DATABASE\wiley275.l
                Fluoranthene (CAS) $$ 1,2-BENZA...  87348 000206-44-0 95
                Fluoranthene (CAS) $$ 1,2-BENZA...  87345 000206-44-0 94
                Fluoranthene (CAS) $$ 1,2-BENZA...  87342 000206-44-0 94

30  26.59  0.07 C:\DATABASE\wiley275.l
                1-Hydroxyanthraquinone $$ 2-Hyd... 110345 000129-43-1 94
                1-Hydroxyanthraquinone $$ 2-Hyd... 110347 000129-43-1 91
                3-Phenyl-5,6,7,8-tetrahydro-2-n... 110812 075232-78-9 80

31  26.68  0.45 C:\DATABASE\wiley275.l
                2-chloro-6-(para-chlorophenyl)-... 221171 095886-28-5 49
                2-Butenedioic acid (Z)-, dimeth...  30593 000624-48-6 15
                2-METHYL-5,6-DIHYDROPYRROLO(1,2... 106262 000000-00-0 10

32  26.95  0.09 C:\DATABASE\wiley275.l
                (Z)-1-Chloro-1,2-bis(4-methylph... 128060 067140-90-3 43
                Phenol, 2-phenoxy- (CAS) $$ 2-H...  71159 002417-10-9 38
                Phenol, phenoxy-, mono(1-methyl... 129626 072361-23-0 38

    27.07  0.17 C:\DATABASE\wiley275.l
                Pyrene (CAS) $$ .beta.-Pyrene $...  87362 000129-00-0 94
                Fluoranthene (CAS) $$ 1,2-BENZA...  87348 000206-44-0 90
                Pyrene (CAS) $$ .beta.-Pyrene $...  87361 000129-00-0 90

34  28.77  0.09 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,4,4',5'-h... 215413 035065-28-2 86
                1,1'-Biphenyl, 2,2',3,5,5',6-he... 215405 052663-63-5 83
                1,1'-Biphenyl, 2,3,3',4,4',5-he... 215408 038380-08-4 78

35  29.02  0.34 C:\DATABASE\wiley275.l
                1-Methoxy-1,4-anthracenedione      124037 000000-00-0 87
                1-METHOXYANTHRAQUINONE             124035 000000-00-0 76
                E 3,4-dimethyl-5-[(4-methylphen... 124076 107696-86-6 72

36  29.54  0.93 C:\DATABASE\wiley275.l
                11-Methoxybenz(A)anthracene-7,1... 168758 065915-34-6 95
                Androst-5-en-17-one, 3-hydroxy-... 168808 000053-43-0 95
                4-Nitro-3-carboethoxy-2-methyl-... 168392 000000-00-0 90

37  30.33  0.33 C:\DATABASE\wiley275.l
                2,7-dihydroxy-3,4,6-trimethoxy-... 179722 039499-93-9 90
                2,2'-Dimethyl-4,4',5,5'-tetrame... 179850 062012-51-5 90
                3-Ethyliden-2,3-dihydro-2,7-dim... 179773 128648-40-8 49

38  30.39  0.23 C:\DATABASE\wiley275.l
                Azacyclotridecan-2-one, 1-(3-am... 139053 064414-61-5 93
                9,10-Anthracenedione, 1-hydroxy... 138903 024094-45-9 70
                9,10-Dihydrobenzo[b]fluoranthene   139501 088746-65-0 64

39  30.53  0.12 C:\DATABASE\wiley275.l
                9,10-Dihydrobenzo[b]fluoranthene   139501 088746-65-0 83
                9,10-Anthracenedione, 2-hydroxy... 138895 006170-06-5 41
                9,10-Anthracenedione, 2-hydroxy... 138894 006170-06-5 41

40  30.96  0.08 C:\DATABASE\wiley275.l
                2,4-Pentanedione (CAS) $$ Aceto...   6466 000123-54-6 27
                2,4-Pentanedione (CAS) $$ Aceto...   6465 000123-54-6 27
                Propanal, 2-methyl-, methylhydr...   6578 016713-37-4 27

41  31.19  0.17 C:\DATABASE\wiley275.l
                Naphthacene (CAS) $$ Rubene $$ ... 114783 000092-24-0 93
                Chrysene (CAS) $$ Benzo[a]phena... 114766 000218-01-9 93
                Chrysene (CAS) $$ Benzo[a]phena... 114763 000218-01-9 91

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                Triphenylene (CAS) $$ Isochryse... 114777 000217-59-4 86
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                Triphenylene (CAS) $$ Isochryse... 114774 000217-59-4 86

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                Benzaldehyde, 4-(methylthio)- $...  37077 003446-89-7 41
                2H-1,2,5-AZASILABOROLIN, 1,5-DI...  52056 000000-00-0 30
                1,4-Benzenediol, 2,3,5-trimethy...  37503 000700-13-0 25

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                4H-1-Benzopyran-4-one, 5-hydrox... 151491 000520-28-5 78
                11-hydroxy-bbf $$ Benz[e]acephe... 152018 100516-08-3 64
                4-hydroxybenzo[j]fluoranthene $... 152022 106521-01-1 64

45  32.46  0.58 C:\DATABASE\wiley275.l
                tribenzo[b,f,i]bicyclo[3.2.2]no... 152072 024098-00-8 83
                4-hydroxybenzo[j]fluoranthene $... 152022 106521-01-1 64
                8-hydroxy-bbf $$ Benz[e]acephen... 152015 041940-31-2 64

46  32.98  0.21 C:\DATABASE\wiley275.l
                2,3:4,5-bis-O-(1-methylethylide... 143183 128316-82-5 12
                1H-Indene-5-propanoic acid, 2,3... 243174 067884-43-9 10
                1H-Tetrazol-5-amine (CAS) $$ 5-...   3001 004418-61-5  9

47  33.14  6.73 C:\DATABASE\wiley275.l
                2-Phenylphenalen-1-one             141210 073873-15-1 90
                2(R)-Hydroxymethyl-1,2,3,4,6,7,... 140966 080264-59-1 72
                Methanone, (4,5-dimethoxy-2-met... 140890 052806-39-0 52

    33.49  2.45 C:\DATABASE\wiley275.l
                3-(3-Hydroxy-1-butynyl)-4-metho... 128613 000000-00-0 47
                3,3,6,6-Tetramethyl-1,2,3,4,5,6... 128786 056798-25-5 35
                6,7,9-Trimethyl-4-azaphenoxathi... 128556 083794-95-0 35

49  33.74  0.09 C:\DATABASE\wiley275.l
                2-[.alpha.-(p-bromophenyl)-.bet... 215127 107454-09-1 43
                4H-1-Benzopyran-4-one, 5,6,7-tr... 206807 001168-42-9 43
                1,3-Dioxane, 5-(hexadecyloxy)-2... 264112 034315-34-9 35

50  33.83  0.09 C:\DATABASE\wiley275.l
                2,6,10,14-Pentadecanetetrone       151420 036452-83-2 42
                Pyrrolidine, 1-[1-oxo-5-(2-unde... 211066 056600-03-4 35
                Dihydro-4-hydroxy-6-pentyl-2-py...  68638 097986-89-5 30

51  34.04 11.60 C:\DATABASE\wiley275.l
                METHYL 17.BETA.-HYDROXY-3-OXOAN... 217008 065011-32-7 50
                methyl  4-[2-methoxyphenyl]-2-m... 216405 128691-56-5 50
                6,10-DIACETYL-2,3-DIHYDRODECINN... 216368 064643-88-5 16

52  34.31 67.12 C:\DATABASE\wiley275.l
                5a,8-Dimethyl-9-phenyl-5a,6,7,8... 231893 094083-15-5 59
                METHYL 17.BETA.-HYDROXY-3-OXOAN... 217008 065011-32-7 50
                6,10-DIACETYL-2,3-DIHYDRODECINN... 216368 064643-88-5 27

53  34.62  0.04 C:\DATABASE\wiley275.l
                Benzo[k]fluoranthene (CAS) $$ D... 137656 000207-08-9 70
                Benzo[a]pyrene (CAS) $$ 3,4-Ben... 137644 000050-32-8 68
                Benzo[a]pyrene (CAS) $$ 3,4-Ben... 137647 000050-32-8 68

54  34.96  0.06 C:\DATABASE\wiley275.l
                Condyfolan, 16-methyl- (CAS)       163809 002772-71-6 25
                n-Octadeca-6,9,12,15-tetraenoyl... 199006 000000-00-0 25
                7-Tridecanone (CAS) $$ Enanthon...  83389 000462-18-0 25

                Thu Dec 10 14:43:34 2009
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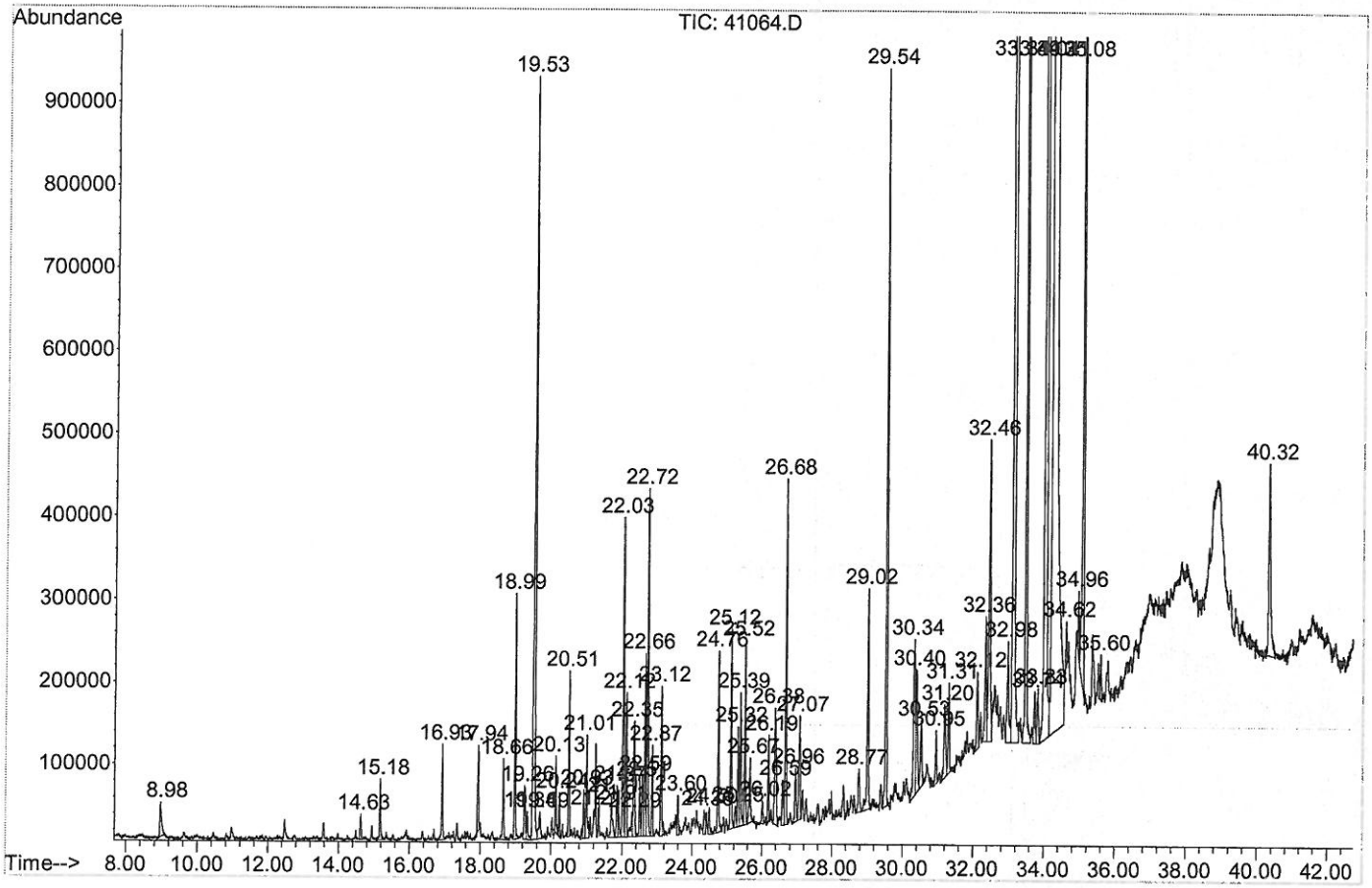
File : C:\MSDCHEM\1\DATA\41064.D
Operator : CR
Acquired : 9 Dec 2009 19:32 using AcqMethod SCREEN
Instrument : Instrumen
Sample Name: 10906470-41064
Misc Info :
Vial Number: 2



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File        : C:\MSDCHEM\1\DATA\41064.D
Operator    : CR
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Vial Number: 2
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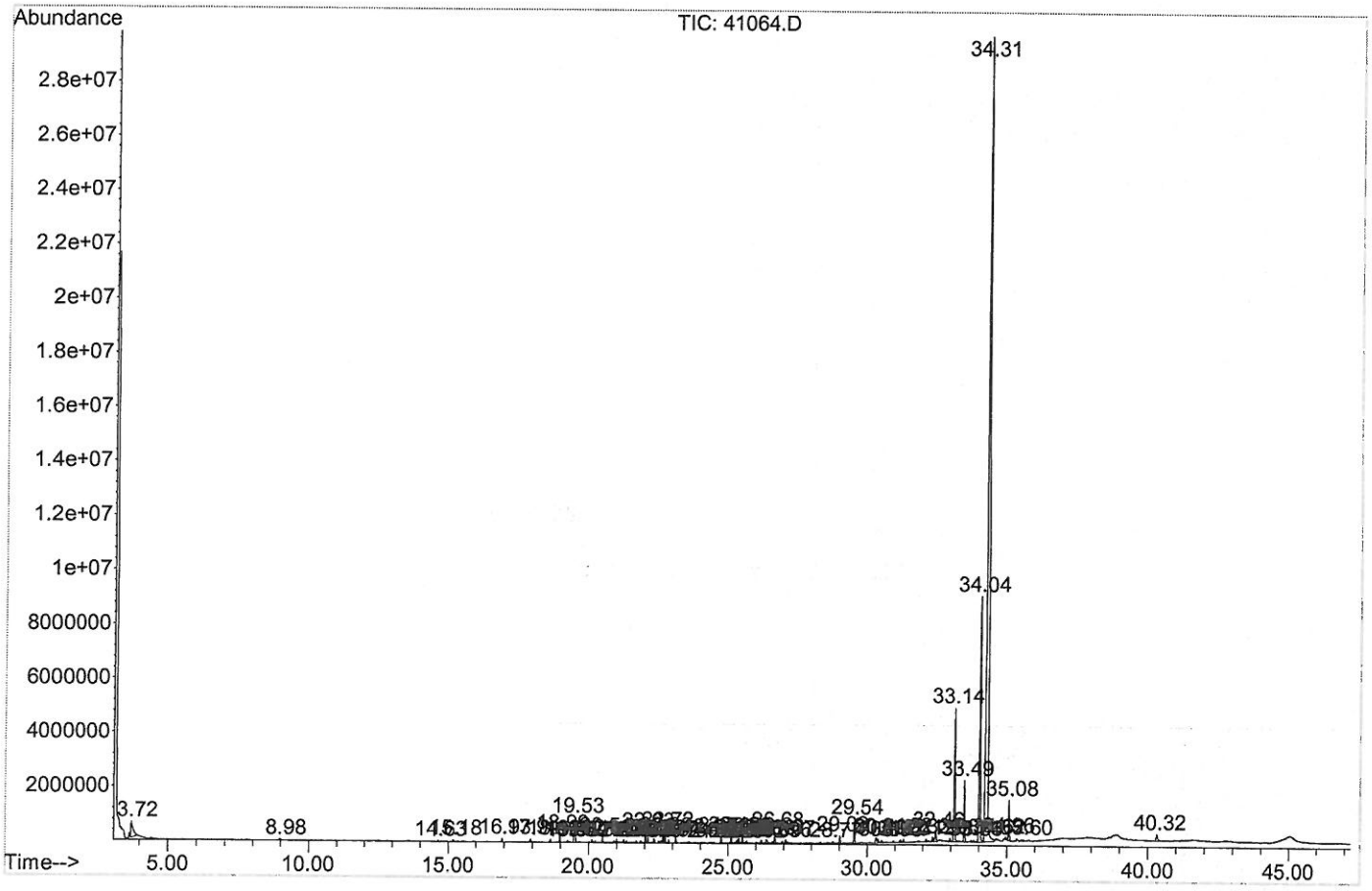
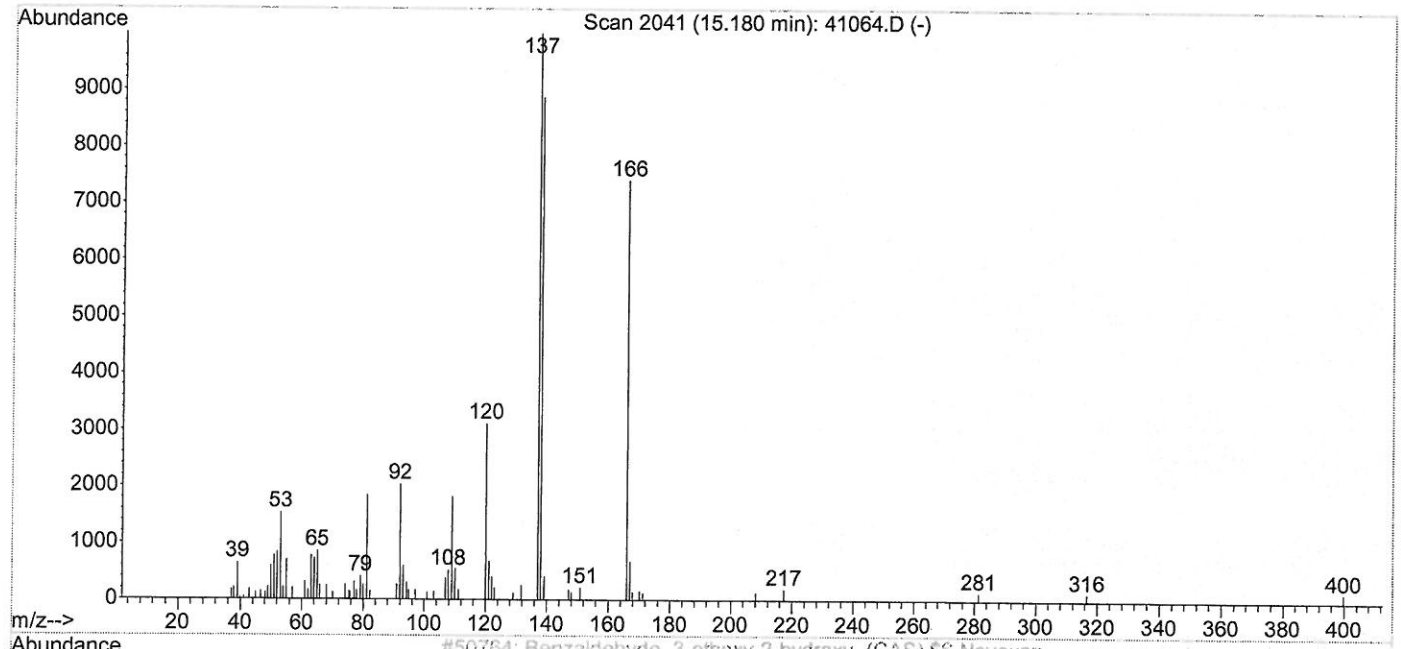
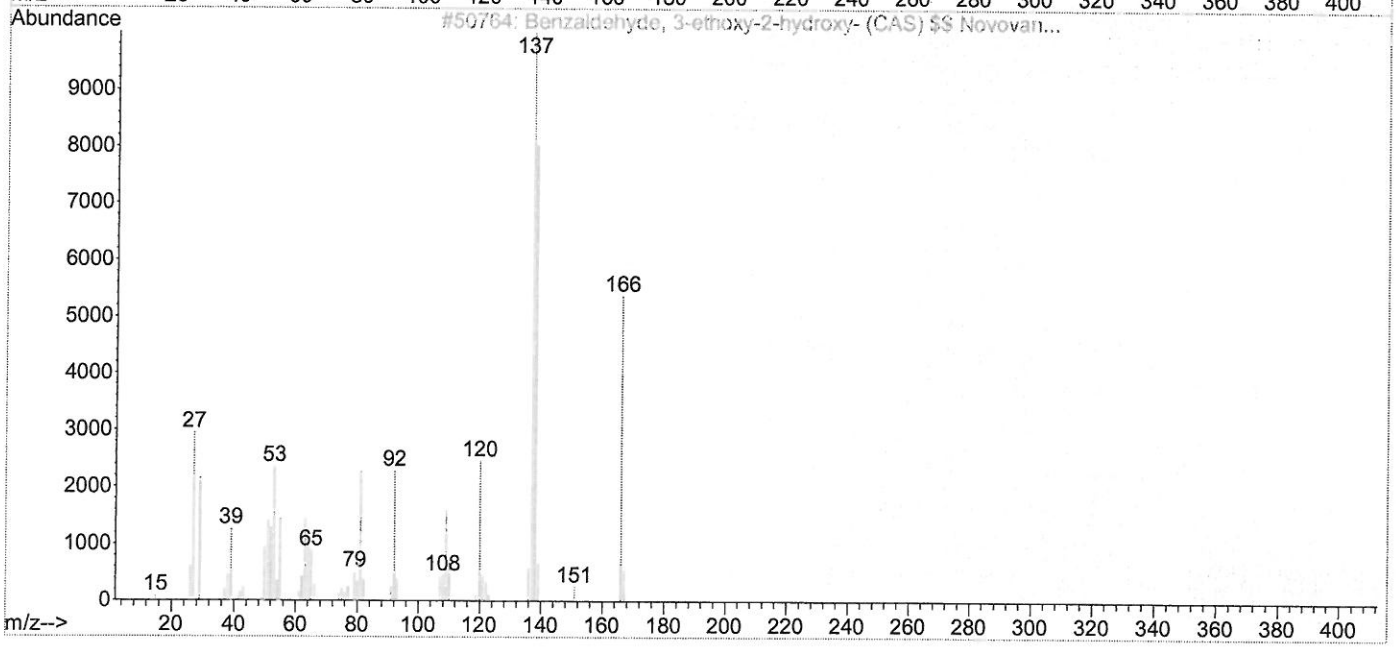


Ret.zeit 15,17

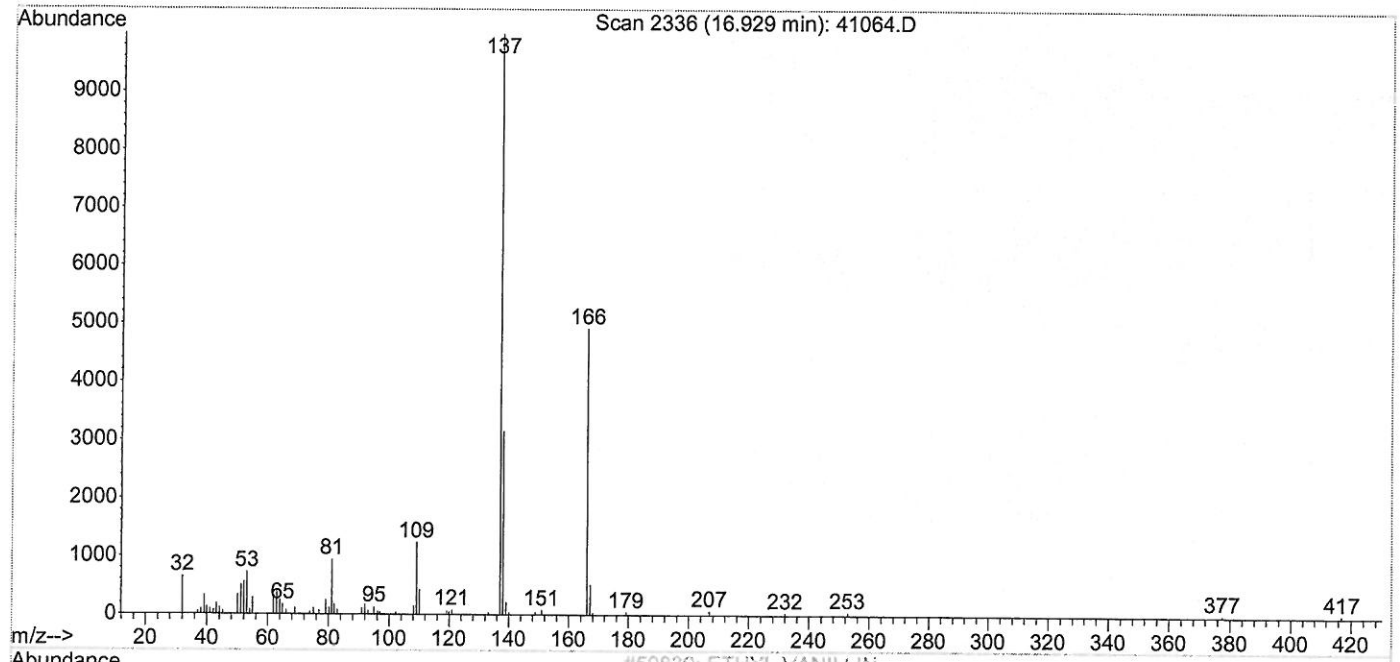
Library Searched : C:\DATABASE\wiley275.l
Quality : 91
ID : Benzaldehyde, 3-ethoxy-2-hydroxy- (CAS) $$ Novovanillin $$ o-Ethylv anillin $$ 3-Ethoxysalicylaldehyde $$ Salicylaldehyde, 3-ethoxy- $$ 3-Ethoxy-2-hydroxybenzaldehyde $$ 3-Ethoxy-2-hydroxybenzaldehye

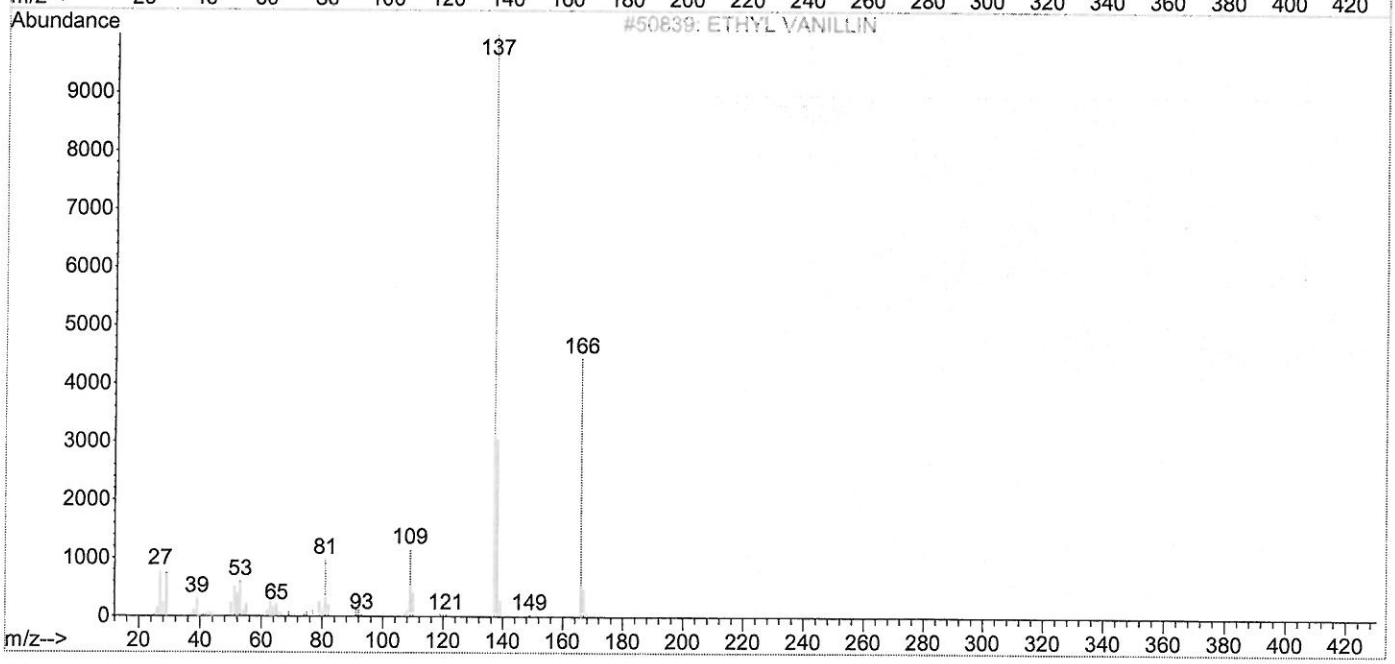




Library Searched : C:\DATABASE\wiley275.l
Quality : 95
ID : ETHYL VANILLIN

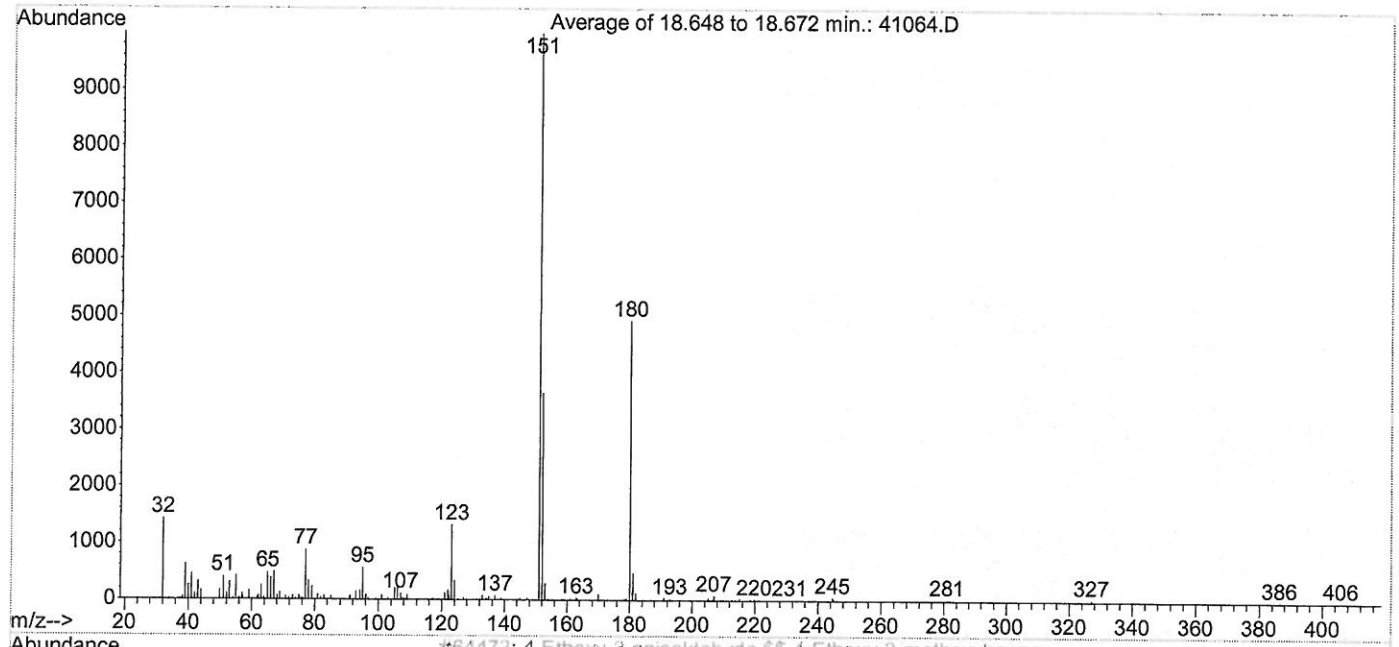
Ret. zeit 16.93

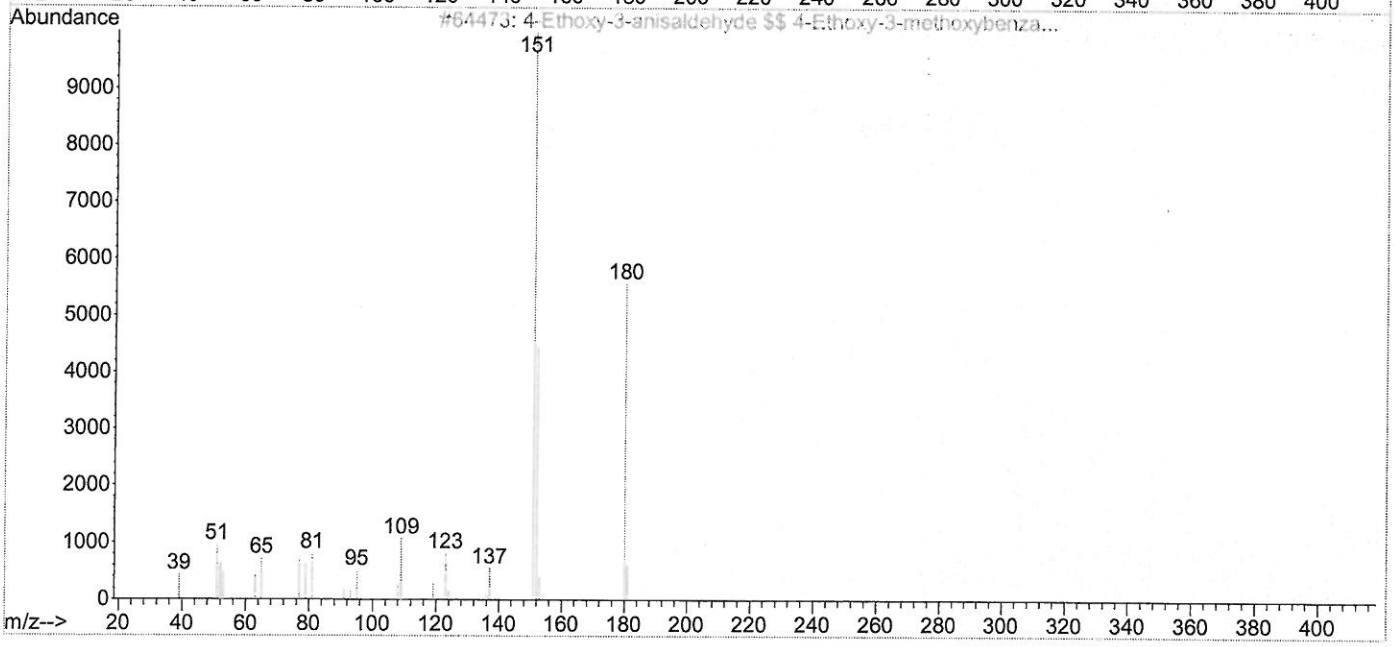




Ret. zeit 18.66

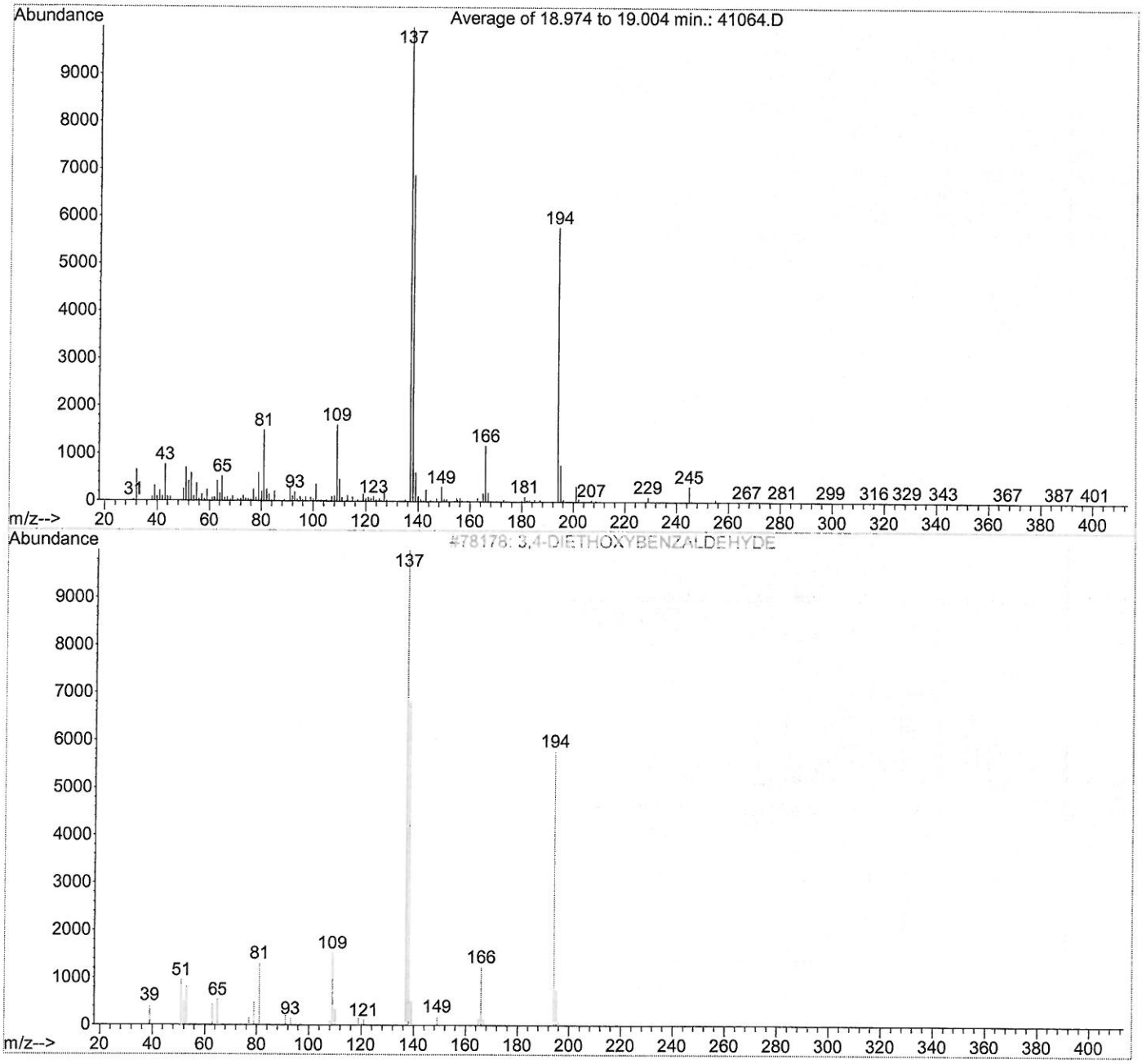
Library Searched : C:\DATABASE\wiley275.l
Quality : 86
ID : 4-Ethoxy-3-anisaldehyde $$ 4-Ethoxy-3-methoxybenzaldehyde $$ Benzaldehyde, 4-ethoxy-3-methoxy- $$ 4-Ethoxy-m-anisaldehyde $$ 3-Methoxy-4-ethoxybenzaldehyde $$ Vanillin ethyl ether





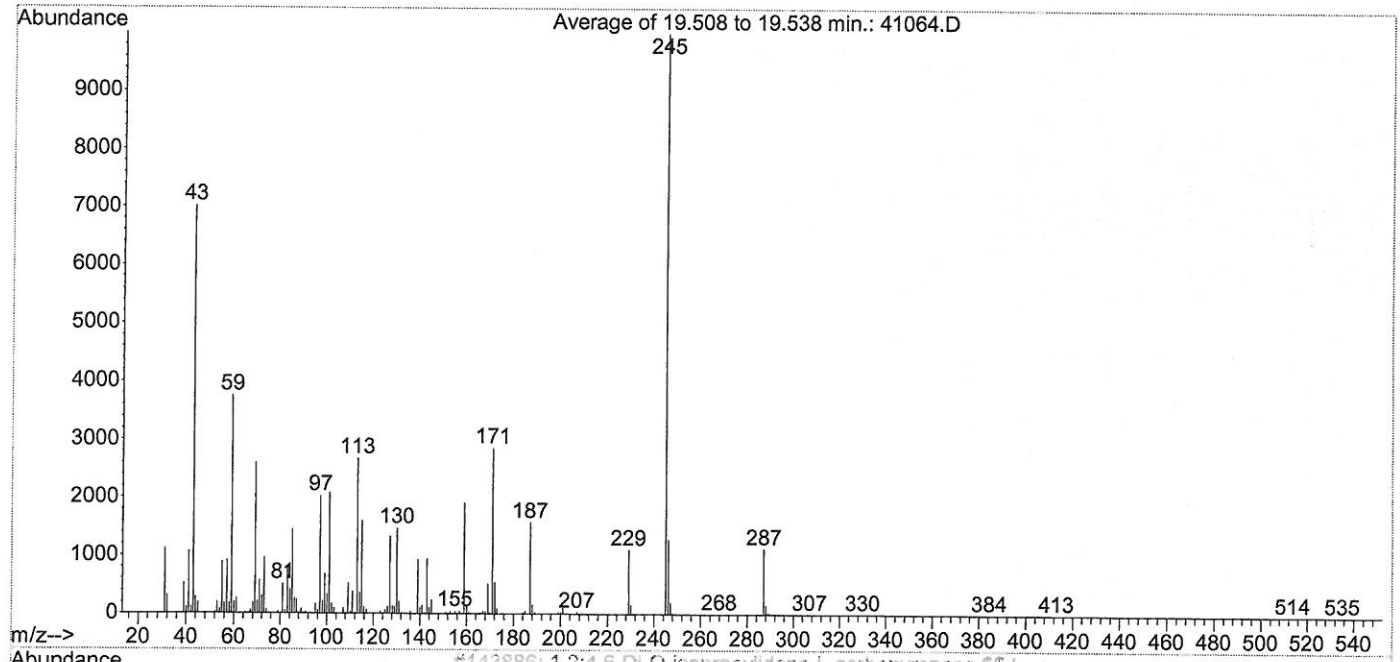
Library Searched : C:\DATABASE\wiley275.l
Quality : 97
ID : 3,4-DIETHOXYBENZALDEHYDE

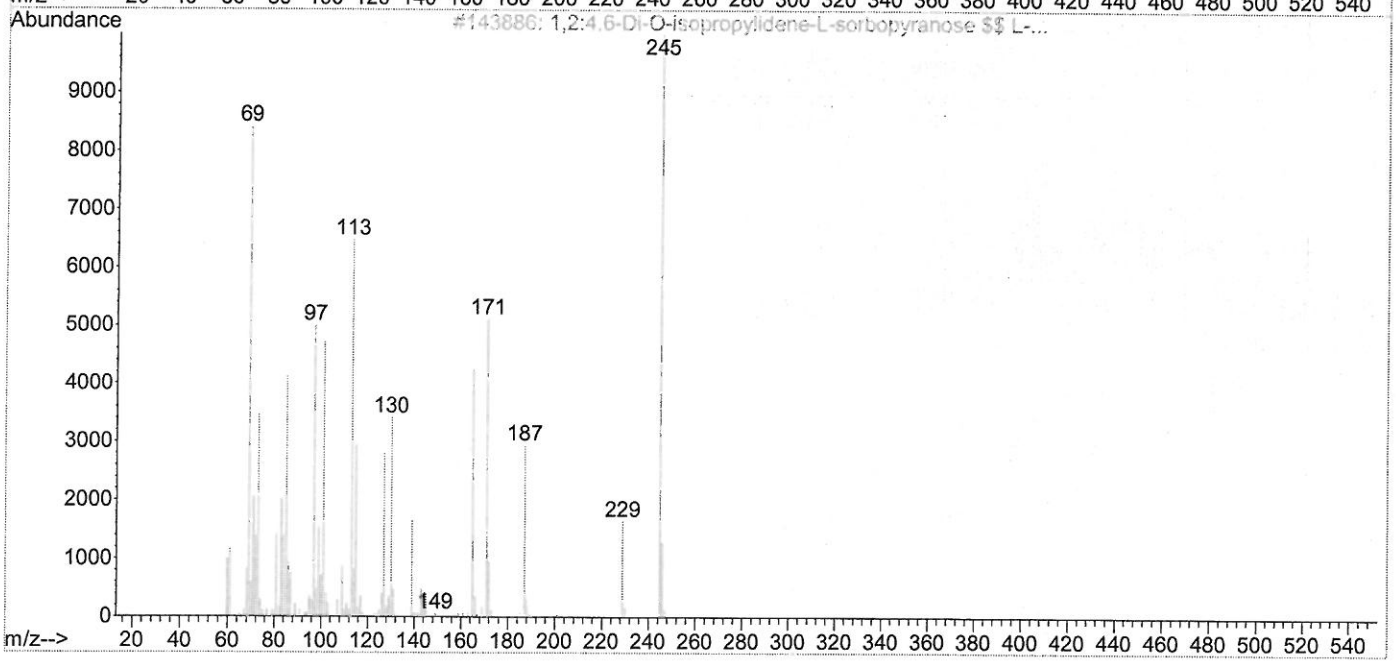
Ret.zeit 18.99



Ret. zeit 19.53

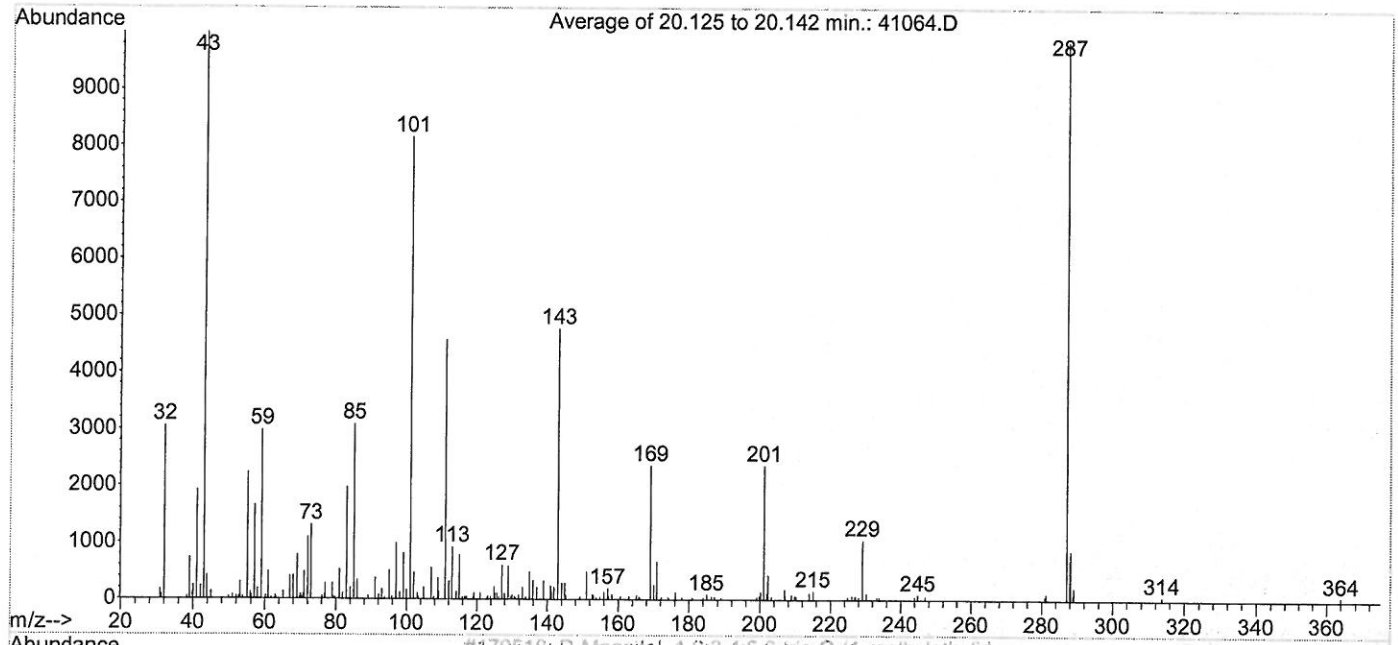
Library Searched : C:\DATABASE\wiley275.l
Quality : 58
ID : 1,2:4,6-Di-O-isopropylidene-L-sorbopyranose $$ L-Sorbose, bis-O-(1-methylethylidene)- $$ Diacetone sorbose

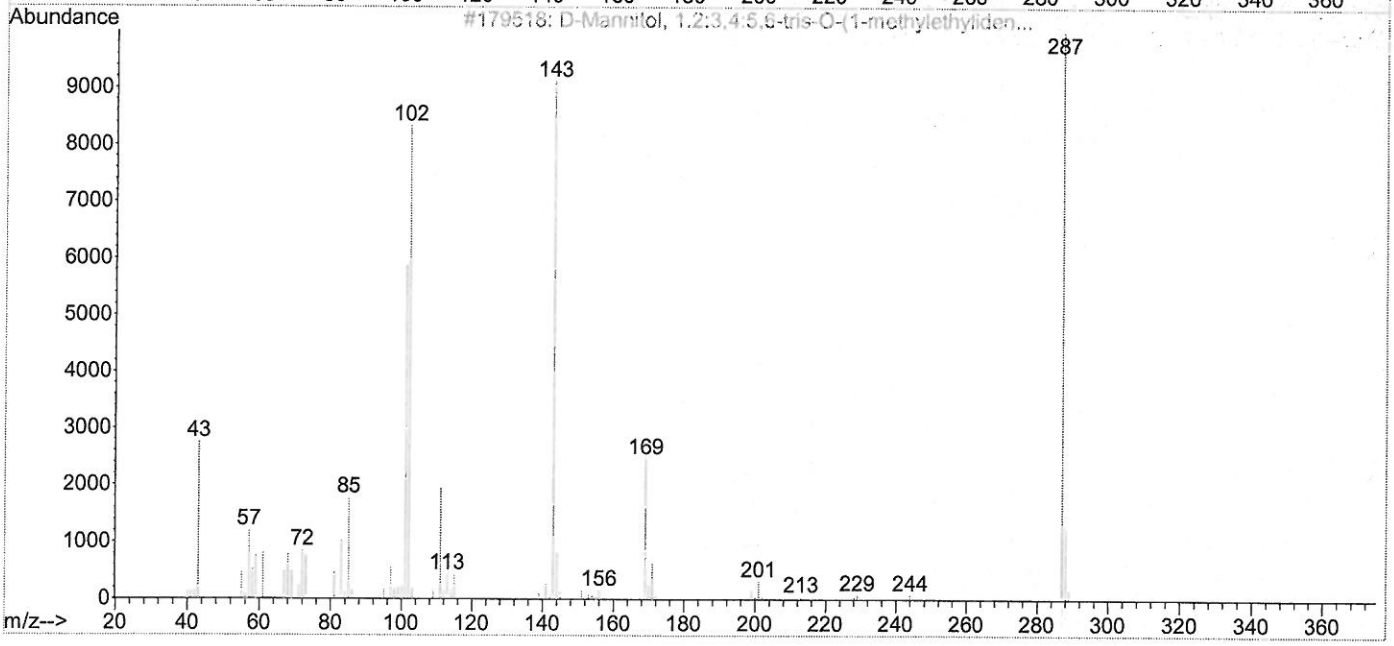




Ret.-Zeit 20.14

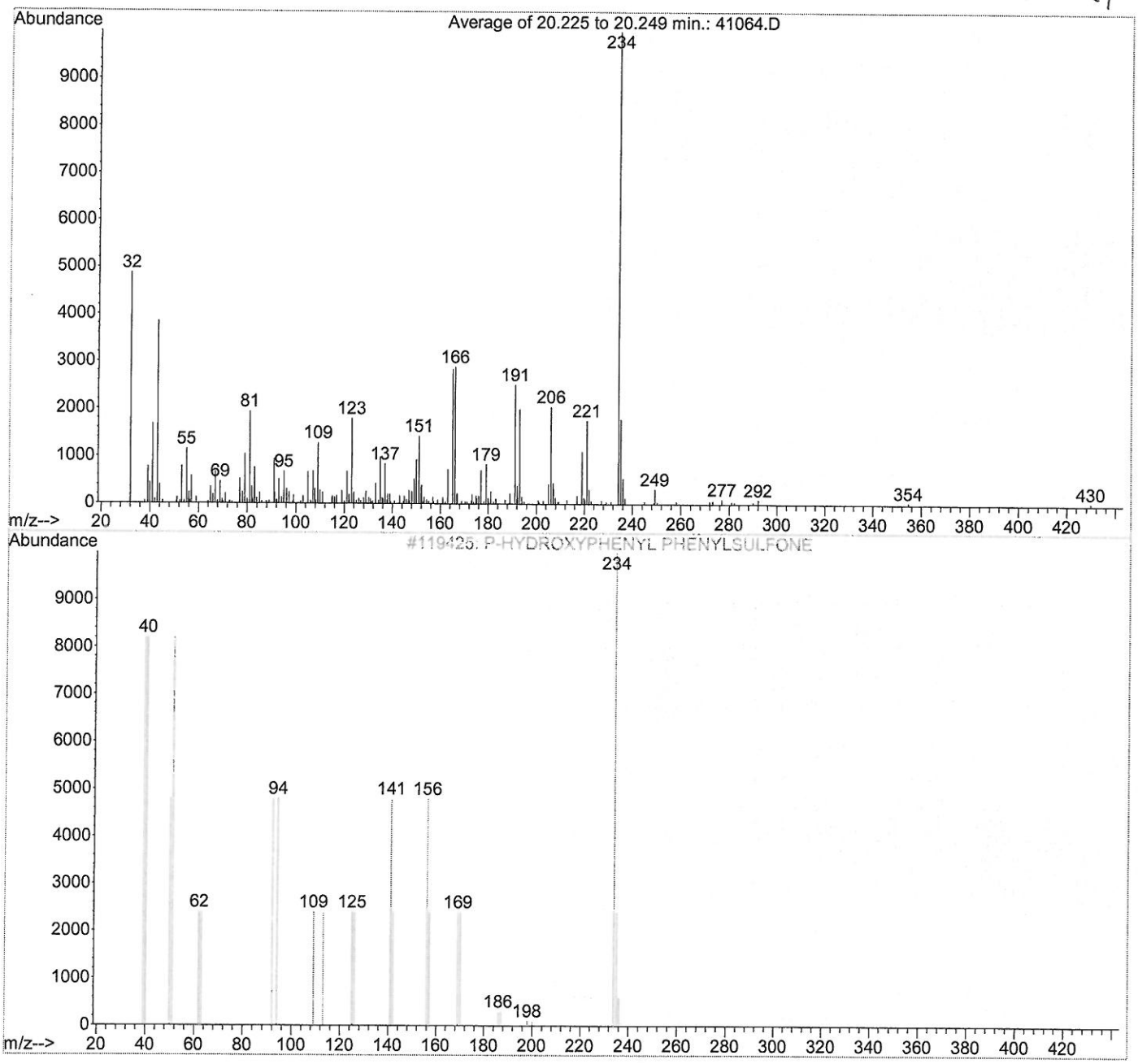
Library Searched : C:\DATABASE\wiley275.l
Quality : 38
ID : D-Mannitol, 1,2:3,4:5,6-tris-O-(1-methylethylidene)- (CAS) $$ 1,2:3,4:5,6-TRI-O-ISOPROPYLIDENE-D-MANNITOL $$ Mannitol, 1,2:3,4:5,6-tri-O-isopropylidene-, D-





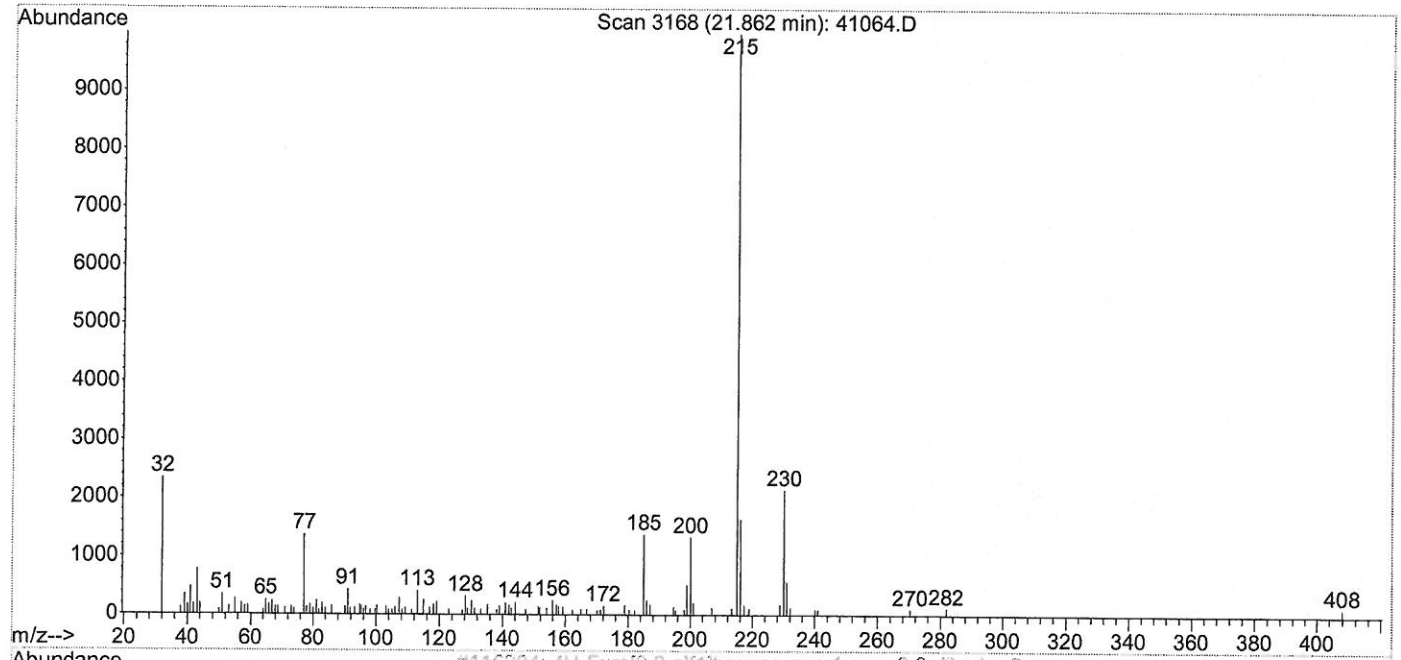
Library Searched : C:\DATABASE\wiley275.l
Quality : 93
ID : P-HYDROXYPHENYL PHENYLSULFONE

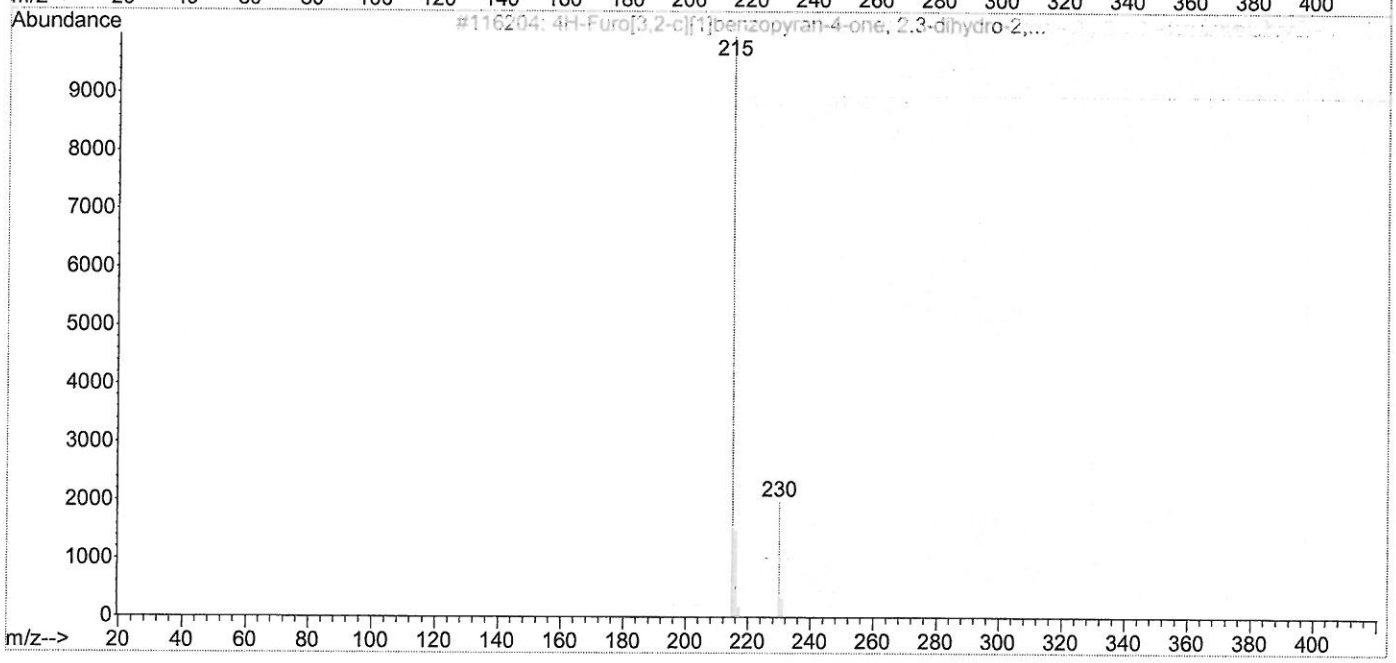
Ret. zeit 20.24



Ret. zeit 21.87

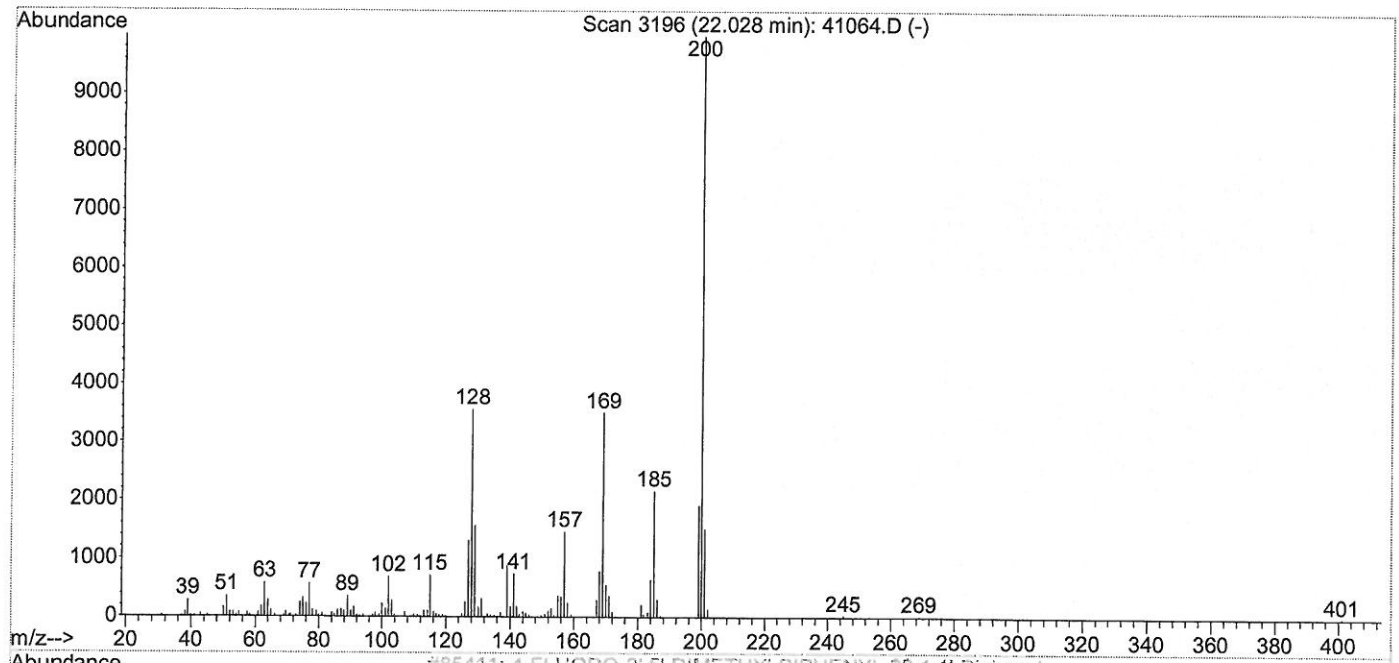
Library Searched : C:\DATABASE\wiley275.l
Quality : 78
ID : 4H-Furo[3,2-c][1]benzopyran-4-one, 2,3-dihydro-2,3,3-trimethyl-, (.+-.)-

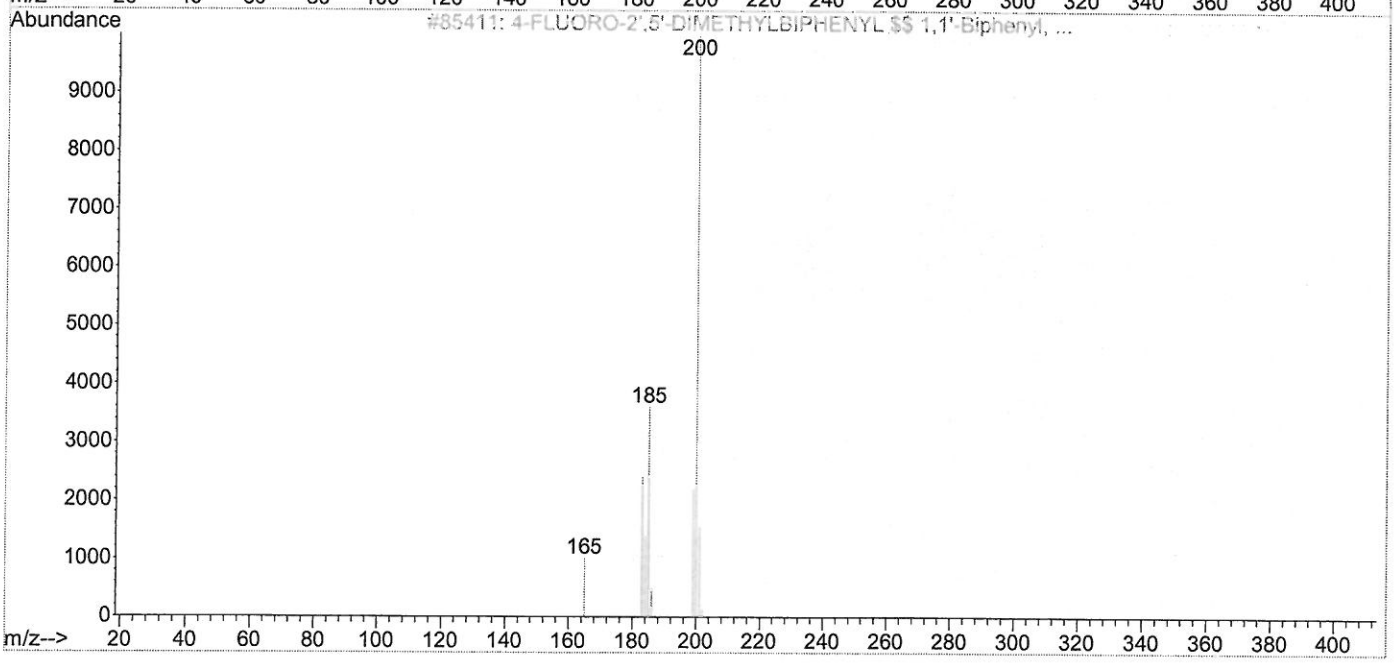




Ret. zeit 22.03

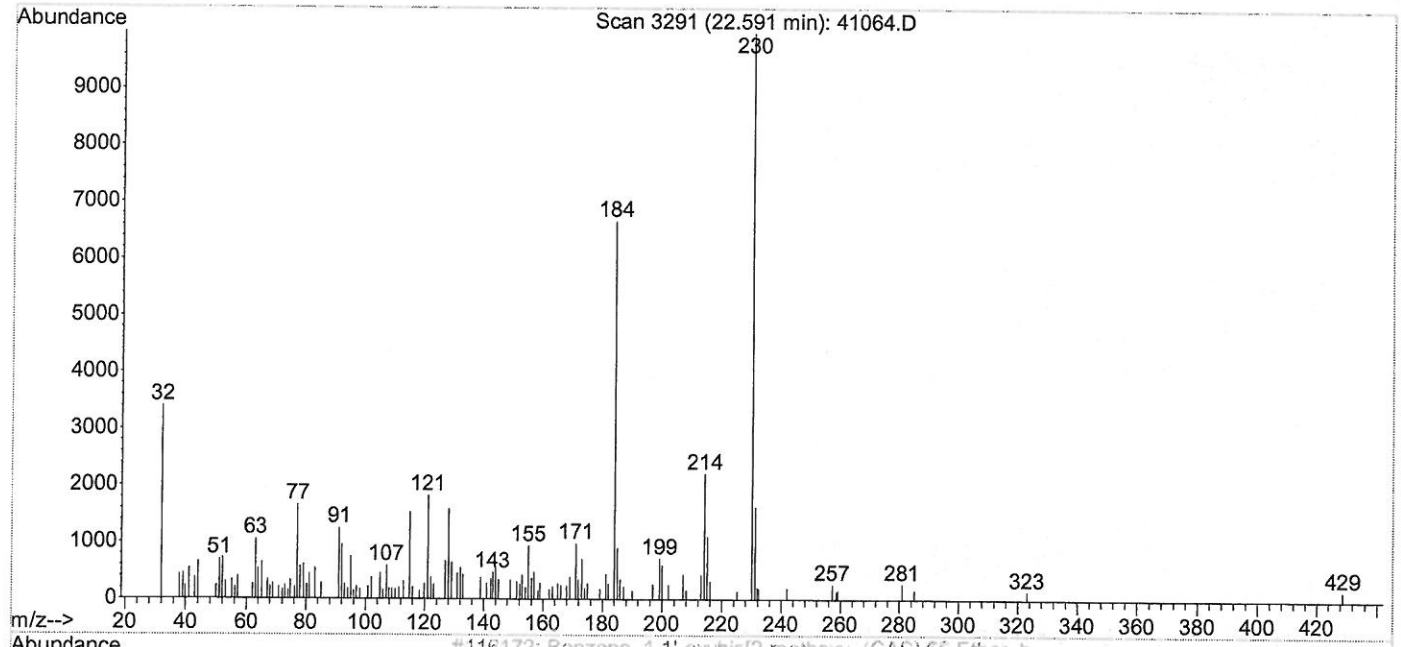
Library Searched : C:\DATABASE\wiley275.l
Quality : 72
ID : 4-FLUORO-2',5'-DIMETHYLBIPHENYL $$ 1,1'-Biphenyl, 4'-fluoro-2,5-dimethyl- (CAS)

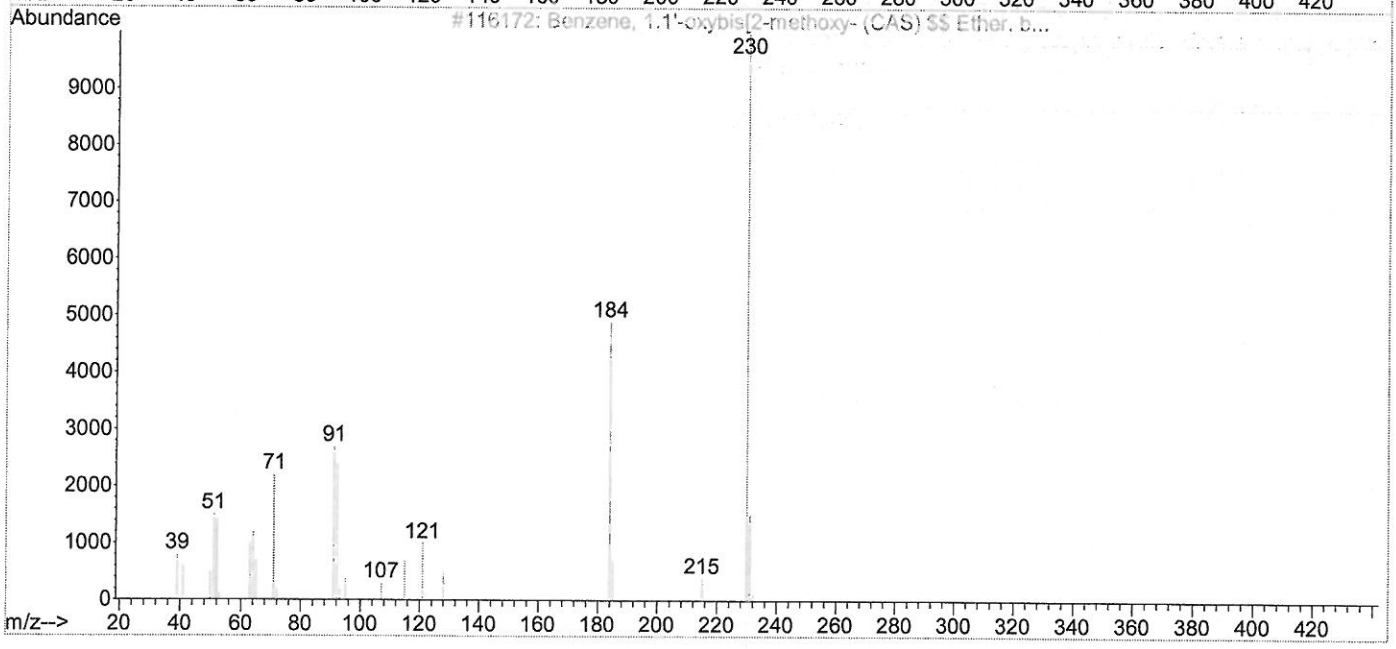




Ref. mit 22.59

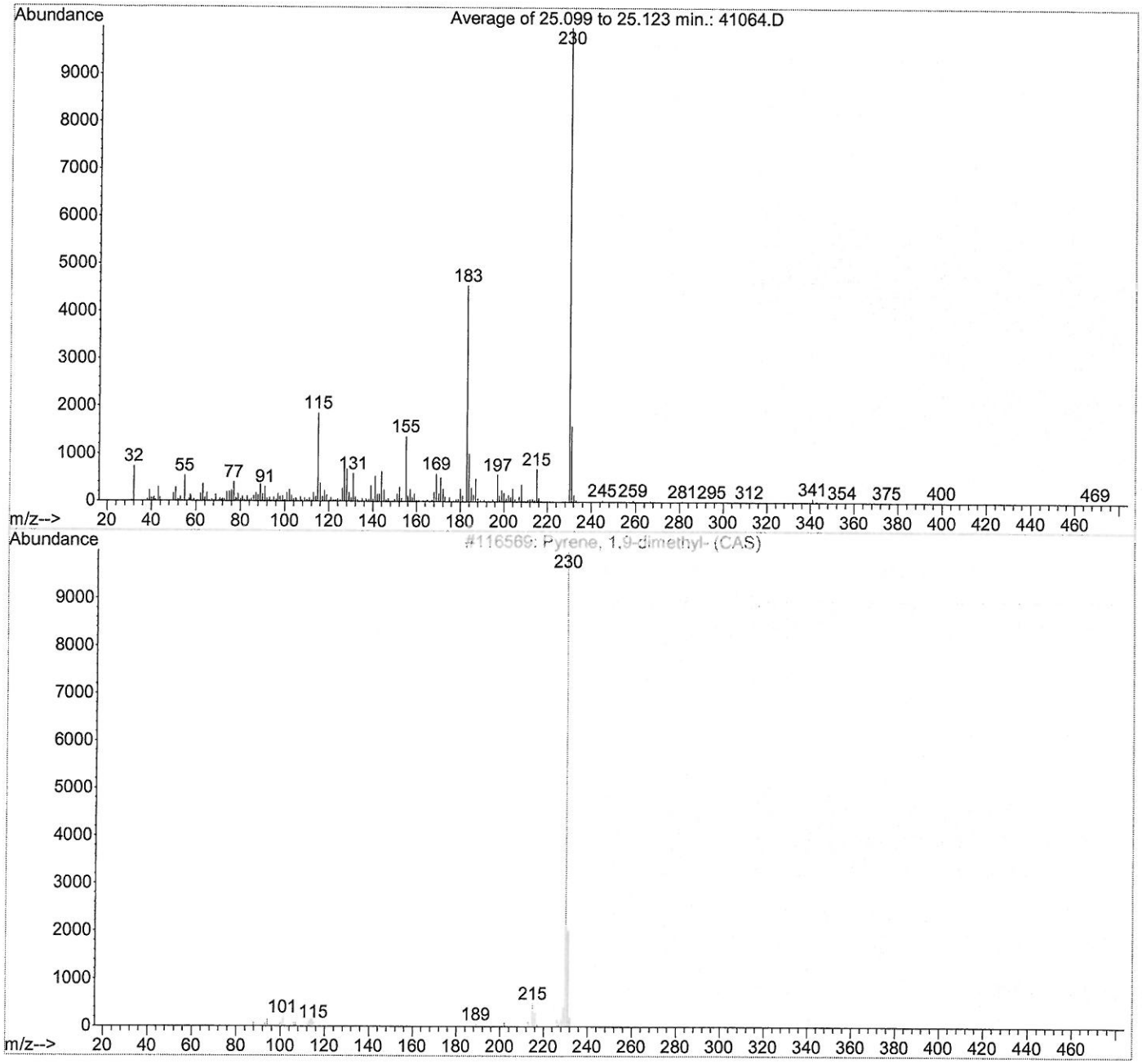
Library Searched : C:\DATABASE\wiley275.l
Quality : 64
ID : Benzene, 1,1'-oxybis[2-methoxy- (CAS) $$ Ether, bis(o-methoxyphenyl) $$ 2,2'-Dimethoxydiphenyl ether $$ 2,2'-Oxydiphenol dimethyl ether $$ Benzene, 1,1'-oxybis@2-methoxy-





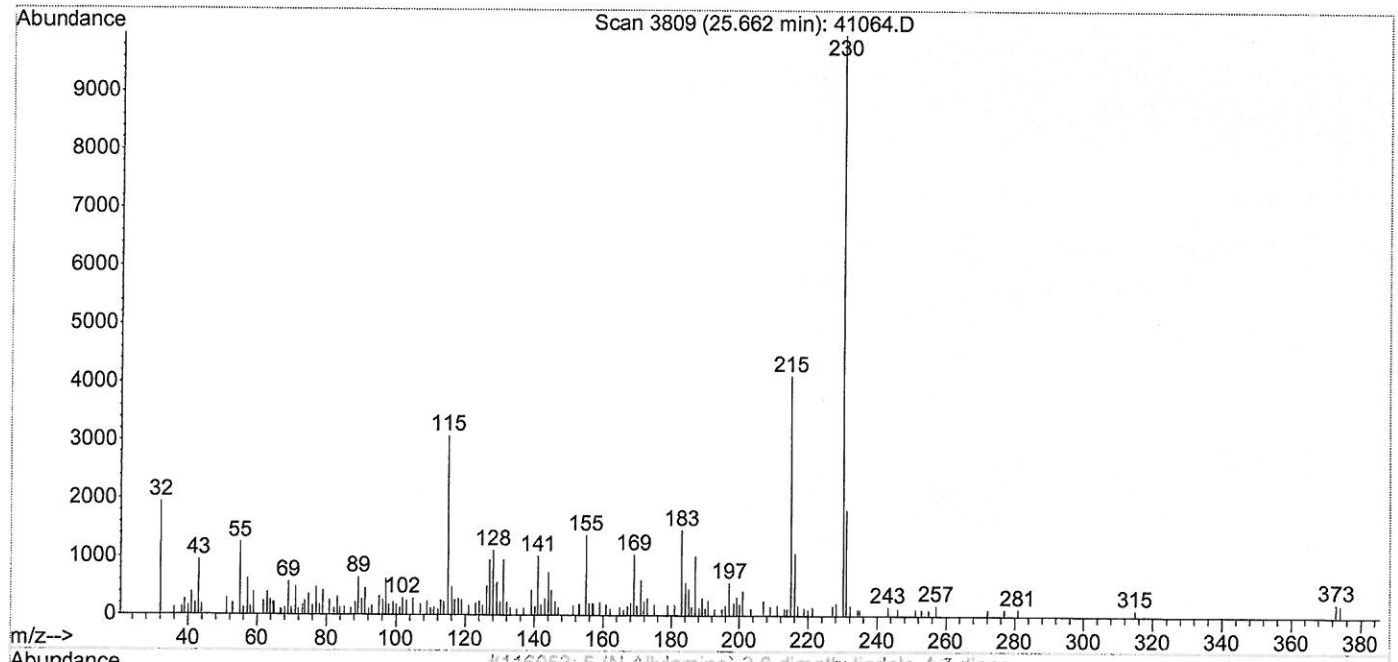
Library Searched : C:\DATABASE\wiley275.l
Quality : 55
ID : Pyrene, 1,9-dimethyl- (CAS)

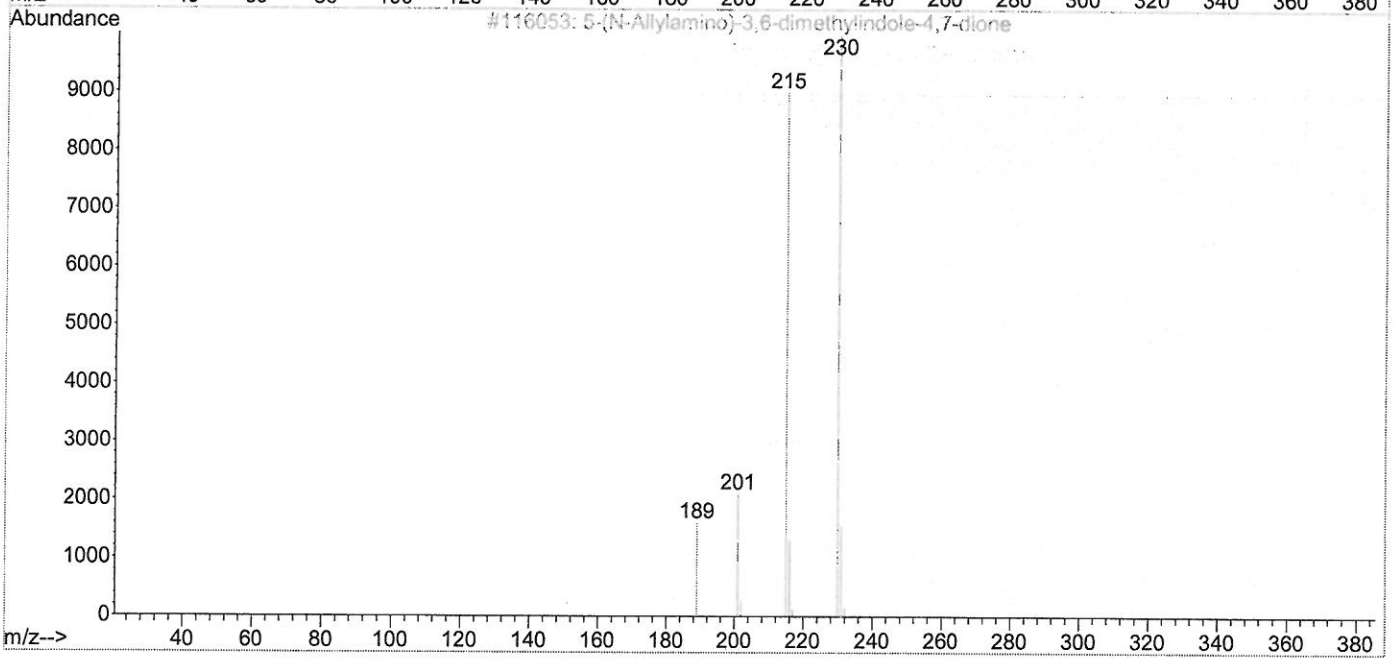
Ret.zeit 25.12



Library Searched : C:\DATABASE\wiley275.l
Quality : 90
ID : 5-(N-Allylamino)-3,6-dimethylindole-4,7-dione

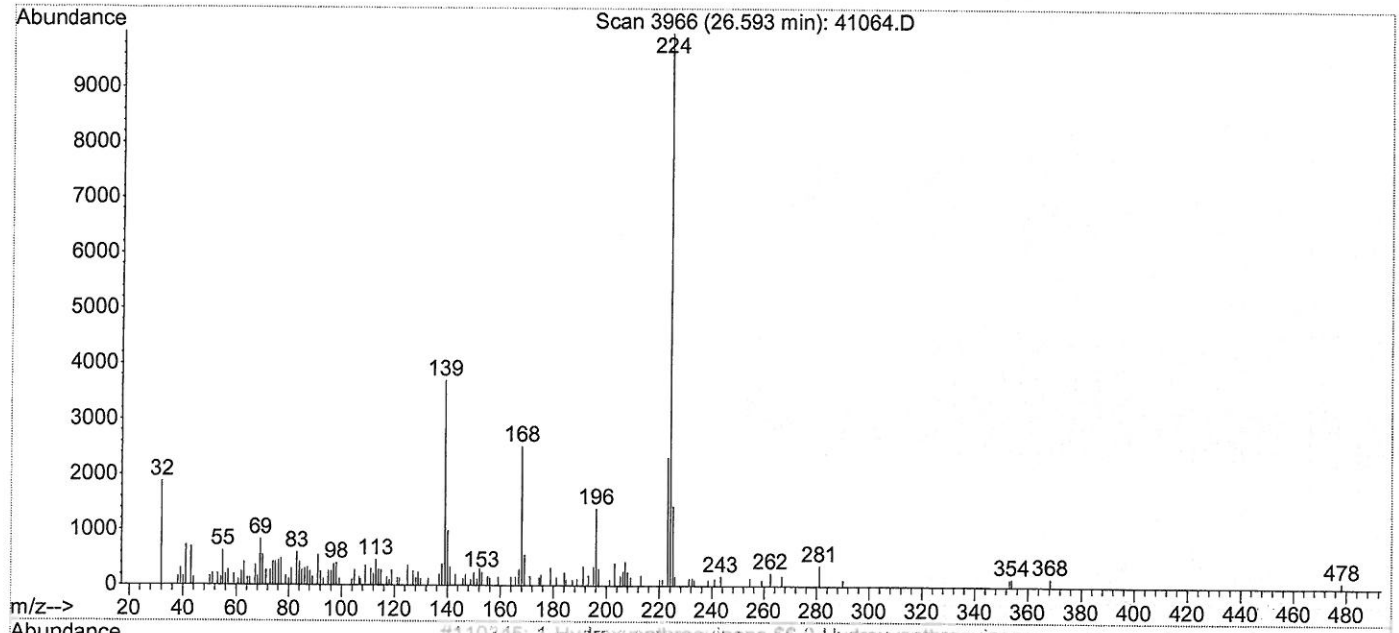
Ret. Zeit 25.67

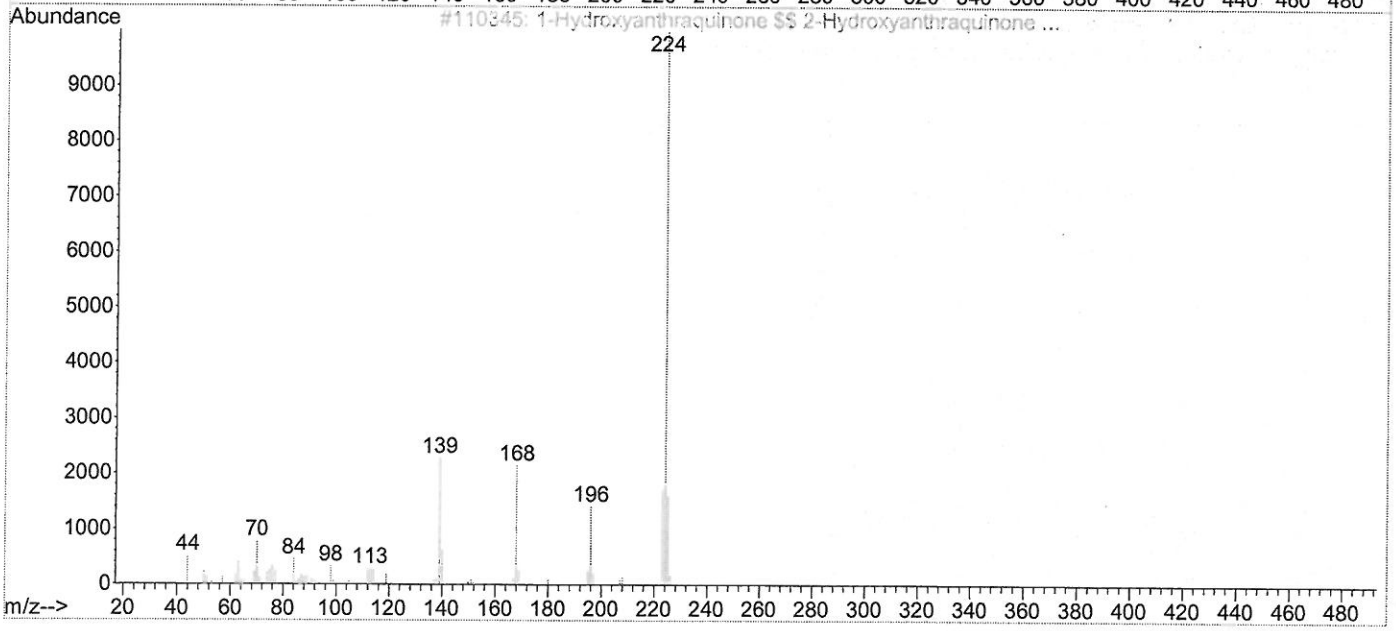




Ret. Zeit 26.59

Library Searched : C:\DATABASE\wiley275.l
Quality : 94
ID : 1-Hydroxyanthraquinone $$ 2-Hydroxyanthraquinone $$ 9,10-Anthracene dione, 1-hydroxy- (CAS) $$ Anthraquinone, 1-hydroxy- $$ .alpha.-Hydroxyanthraquinone $$ 1-Hydroxy-9,10-anthraquinone $$ 1-Hydroxyanthrachinon





Ret.zeit 28.77

```
Library Searched : C:\DATABASE\wiley275.l
Quality          : 93
ID               : 1,1'-Biphenyl, 2,2',4,4',6,6'-hexachloro- (CAS) $$ 2,4,6,2',4',6'-H
                   exachlorobiphenyl $$ 2,2',4,4',6,6'-Hexachlorobiphenyl $$ 2,2',4,4'
                   ,6,6'-Hexachlorodiphenyl $$ Biphenyl, 2,2',4,4',6,6'-hexachloro- $$
                    2,2',4,4',6,6'-Hexachloro-1,1'-biphenyl
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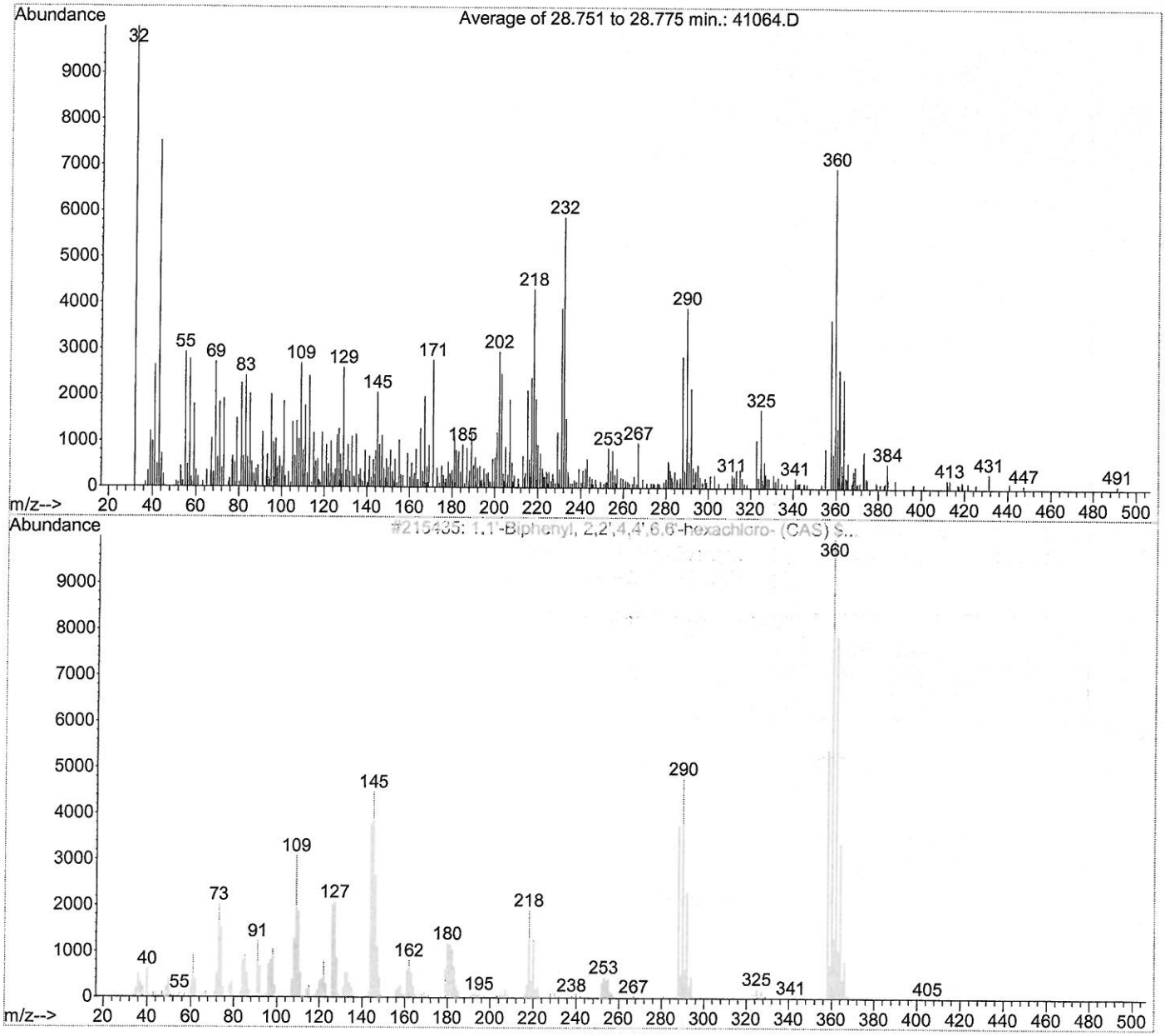
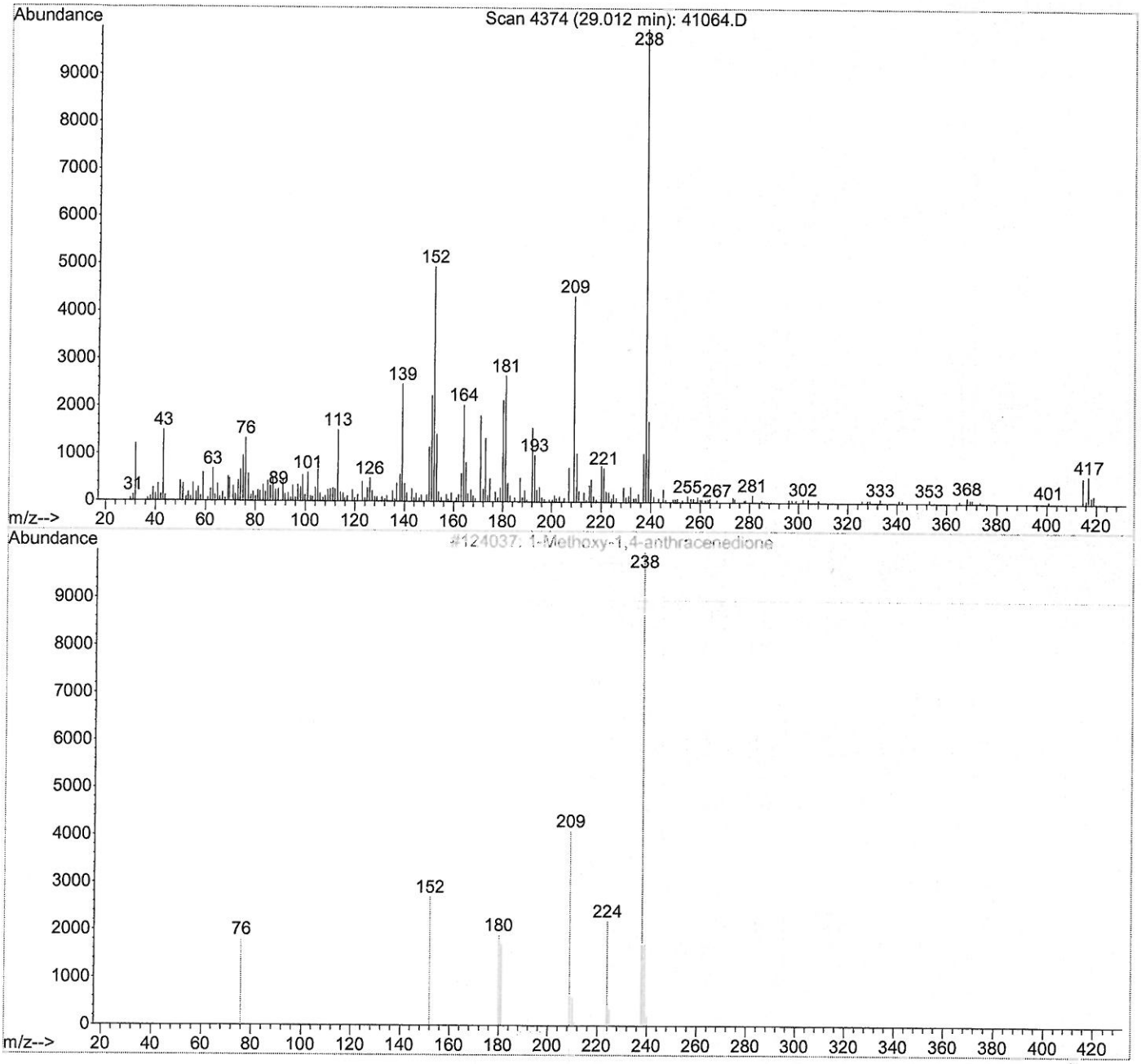


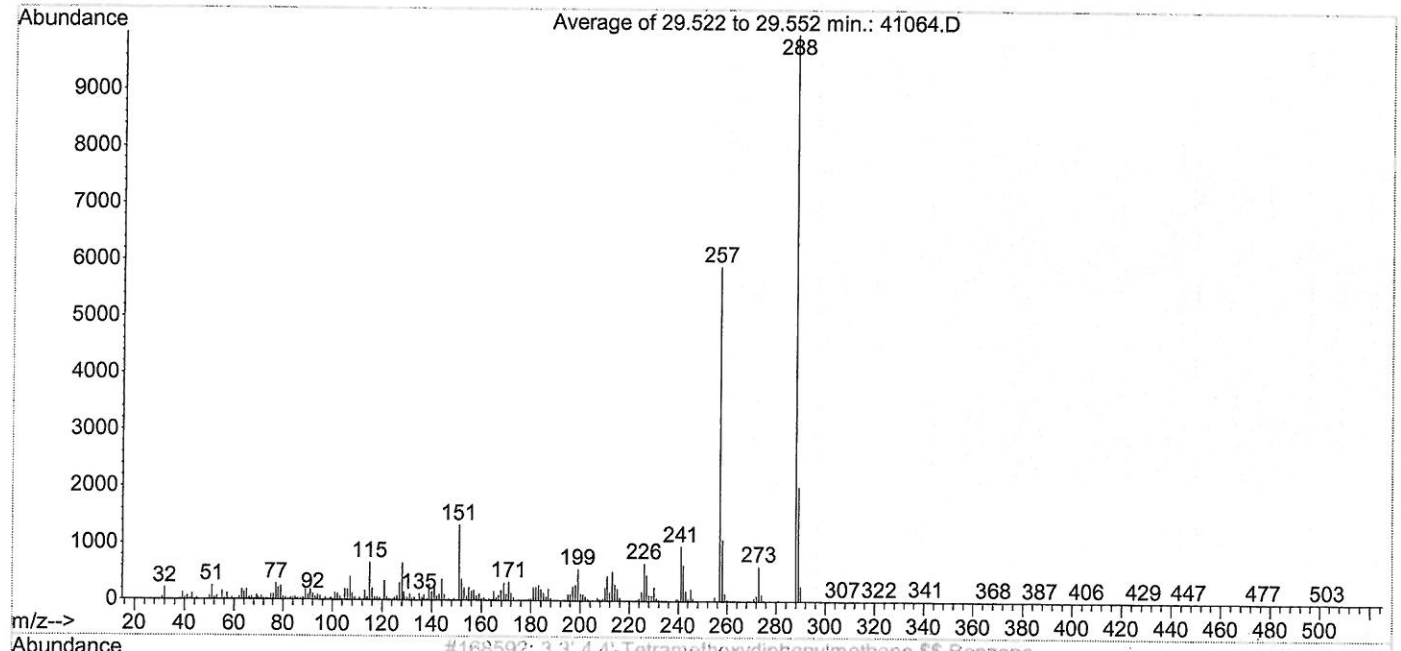
Library Searched : C:\DATABASE\wiley275.l
Quality : 72
ID : 1-Methoxy-1,4-anthracenedione

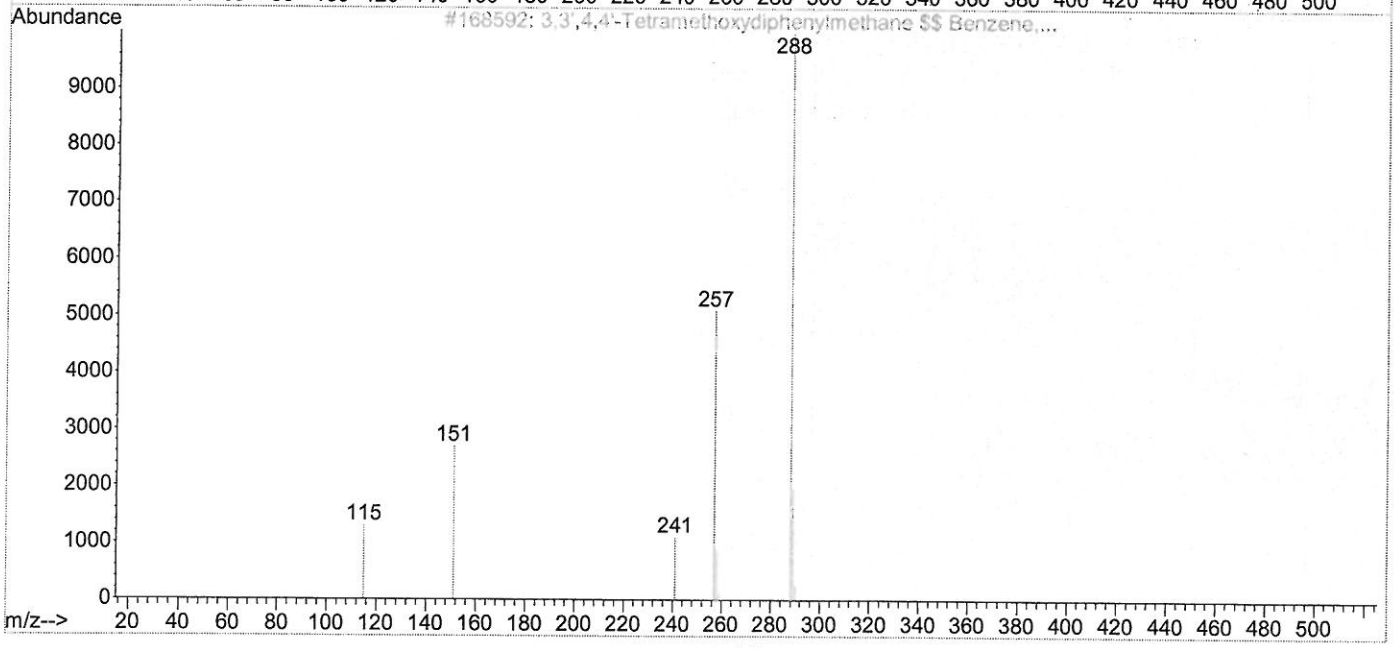
Ret. zeit 29.02



Ret zeit 29,54

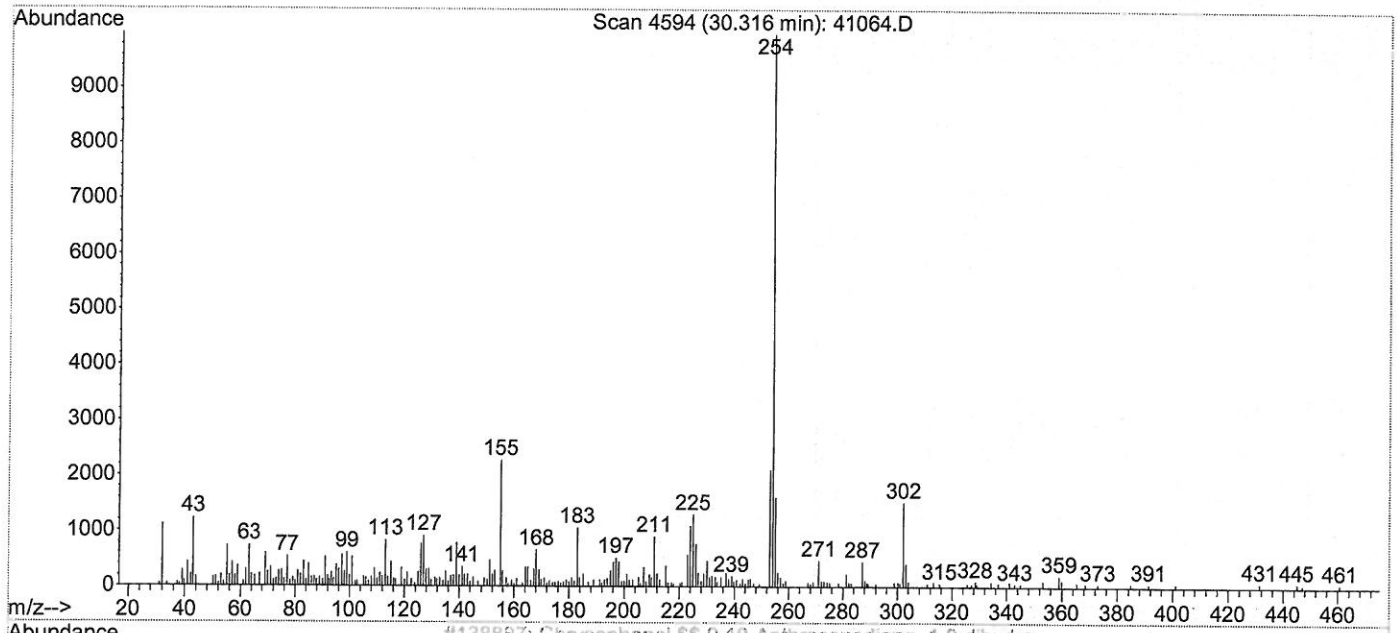
Library Searched : C:\DATABASE\wiley275.l
Quality : 86
ID : 3,3',4,4'-Tetramethoxydiphenylmethane $$ Benzene, 1,1'-methylenebis [3,4-dimethoxy- (CAS) $$ Methane, bis(3,4-dimethoxyphenyl)- $$ Bis(3,4-dimethoxyphenyl)methane

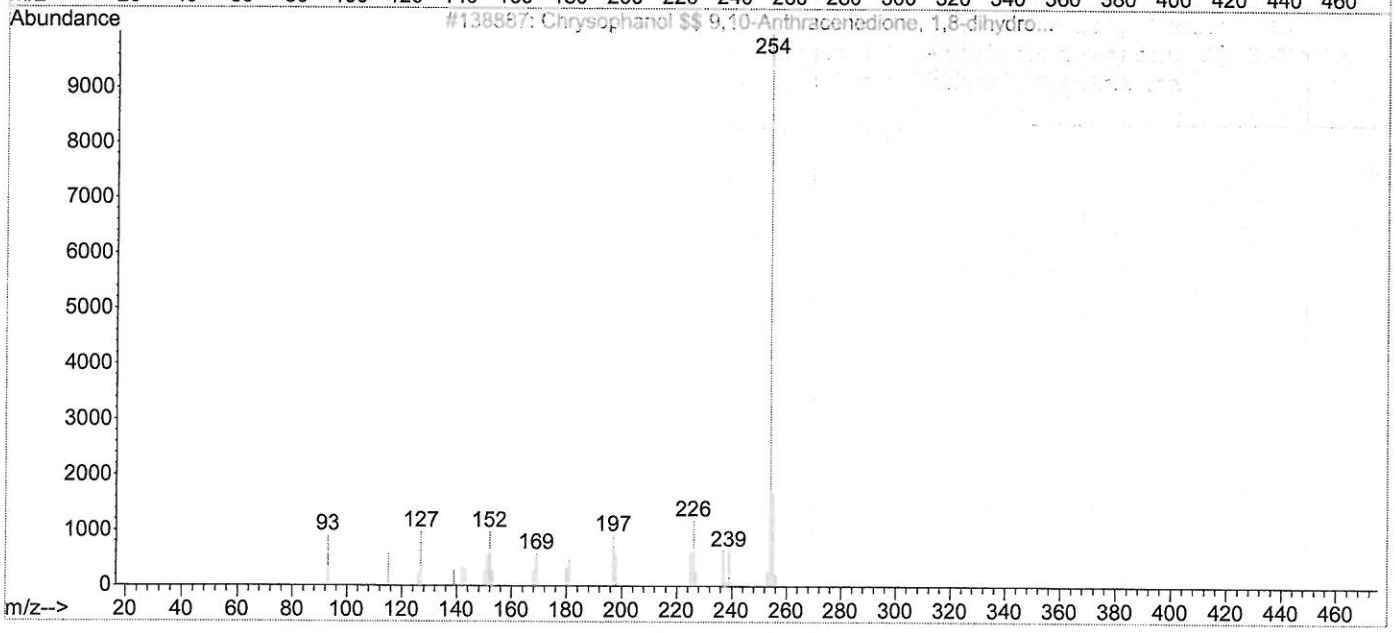




Ret. zeit 30.32

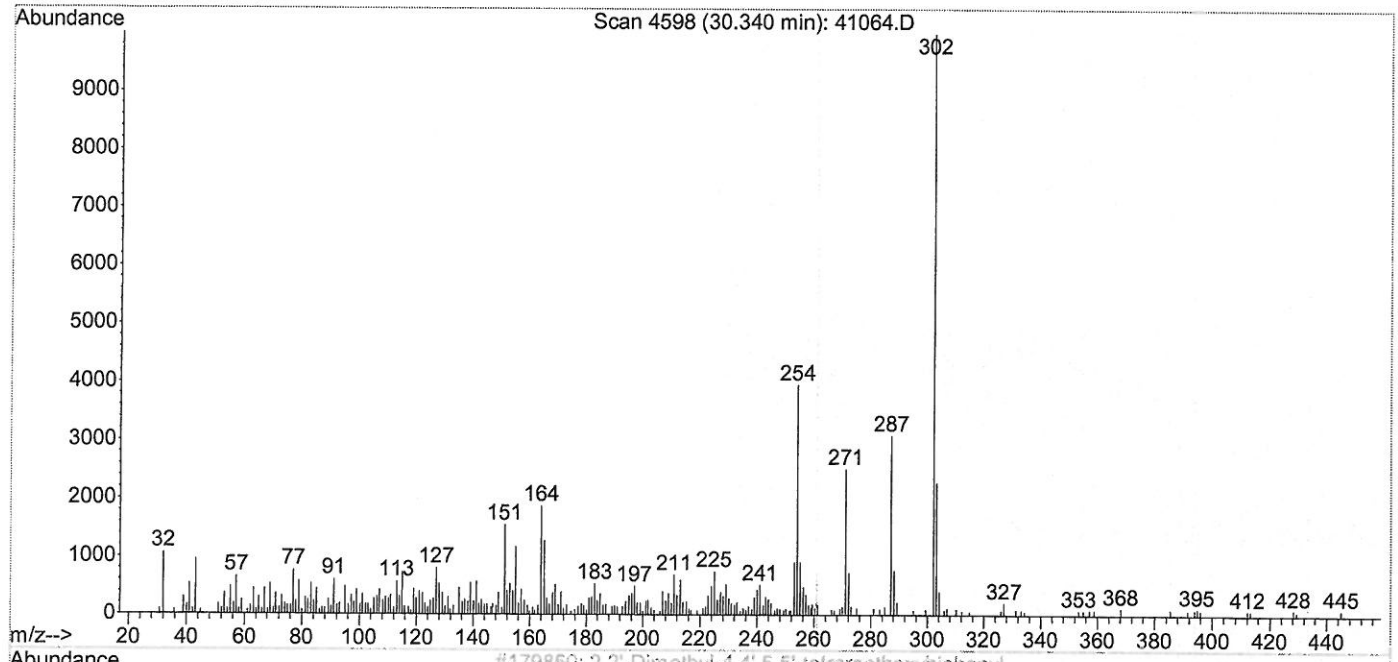
Library Searched : C:\DATABASE\wiley275.l
Quality : 49
ID : Chrysophanol $$ 9,10-Anthracenedione, 1,8-dihydroxy-3-methyl- (CAS) $$ C.I. 75400 $$ Chrysophanic acid $$ C.I. Natural Yellow 23 $$ 1, 8-Dihydroxy-3-methylanthraquinone $$ 3-Methylchrysazin $$ 3-Methyl-1,8-dihydroxyanthraquinone $$ Turkey Rhubarb $$ Anthra

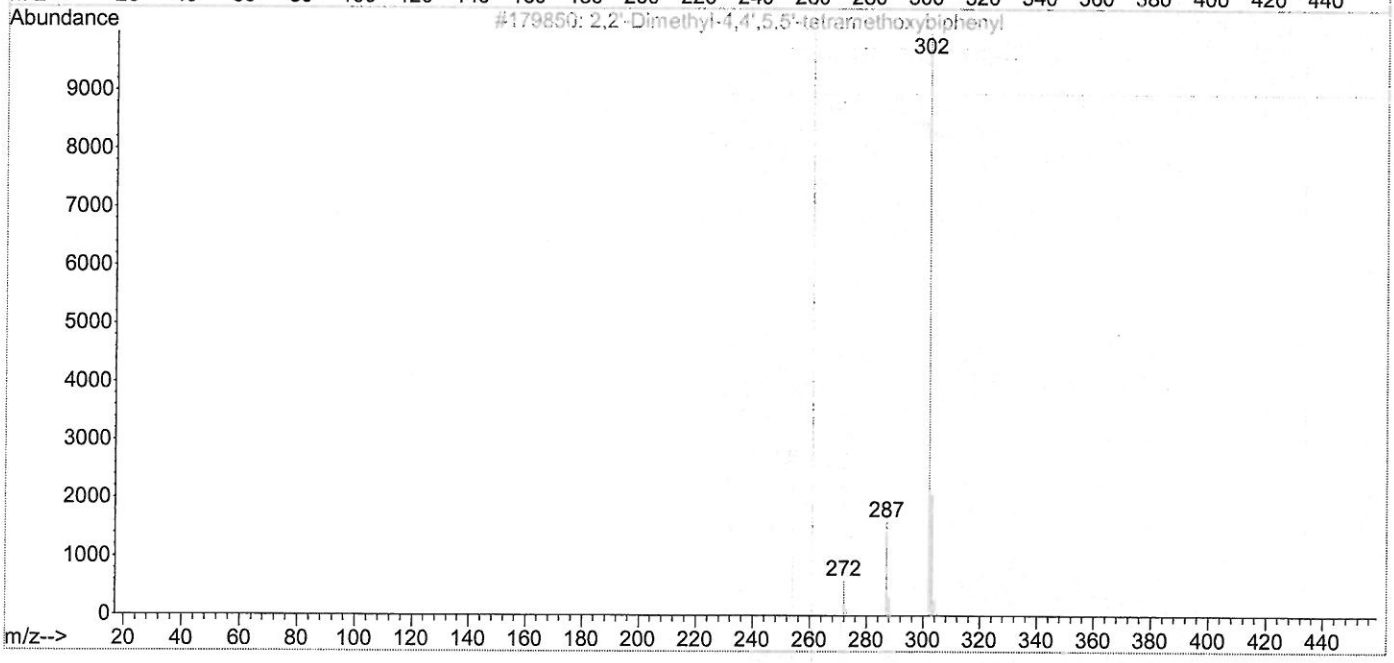




Ret. zeit 30.34

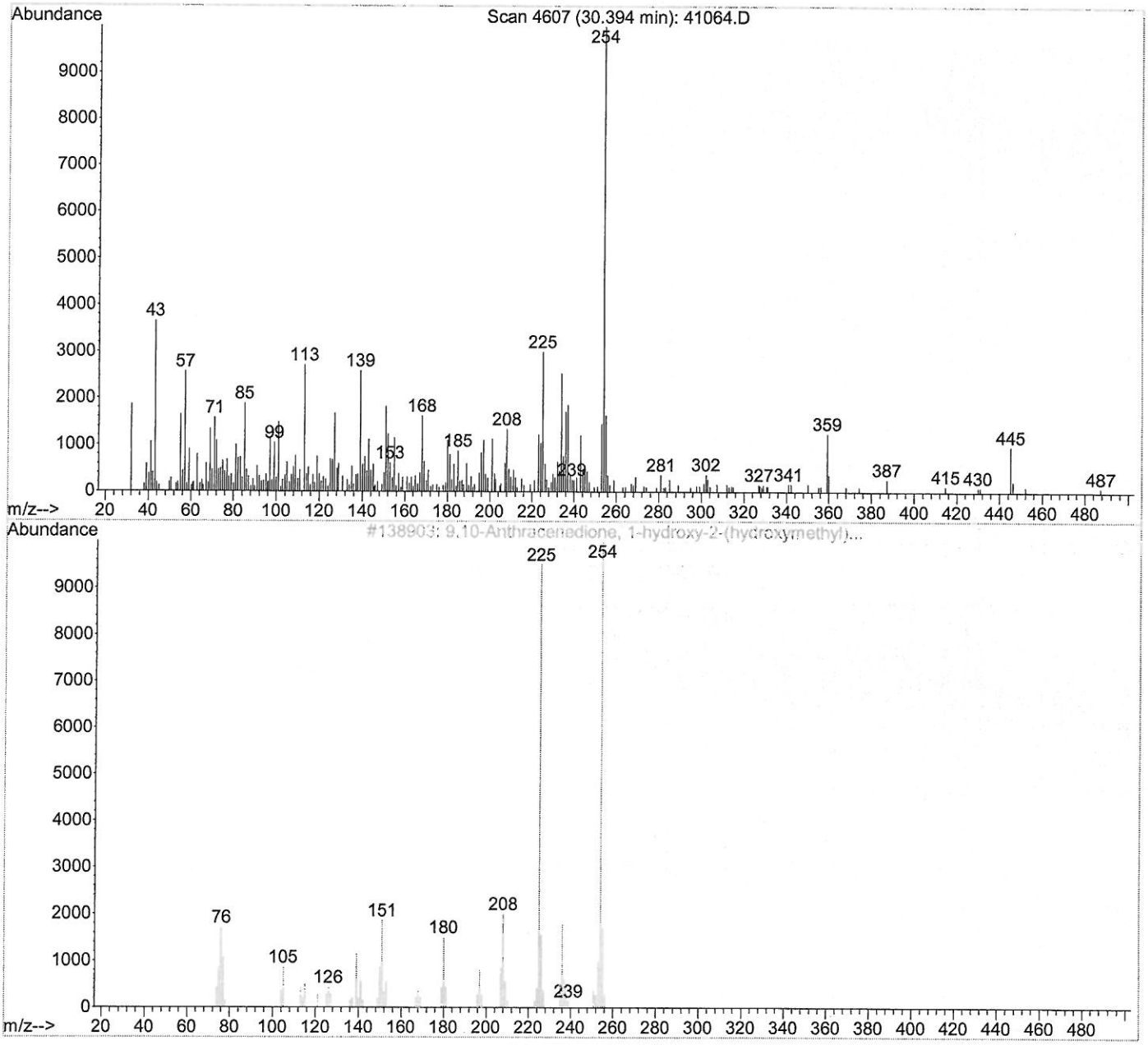
Library Searched : C:\DATABASE\wiley275.l
Quality : 90
ID : 2,2'-Dimethyl-4,4',5,5'-tetramethoxybiphenyl





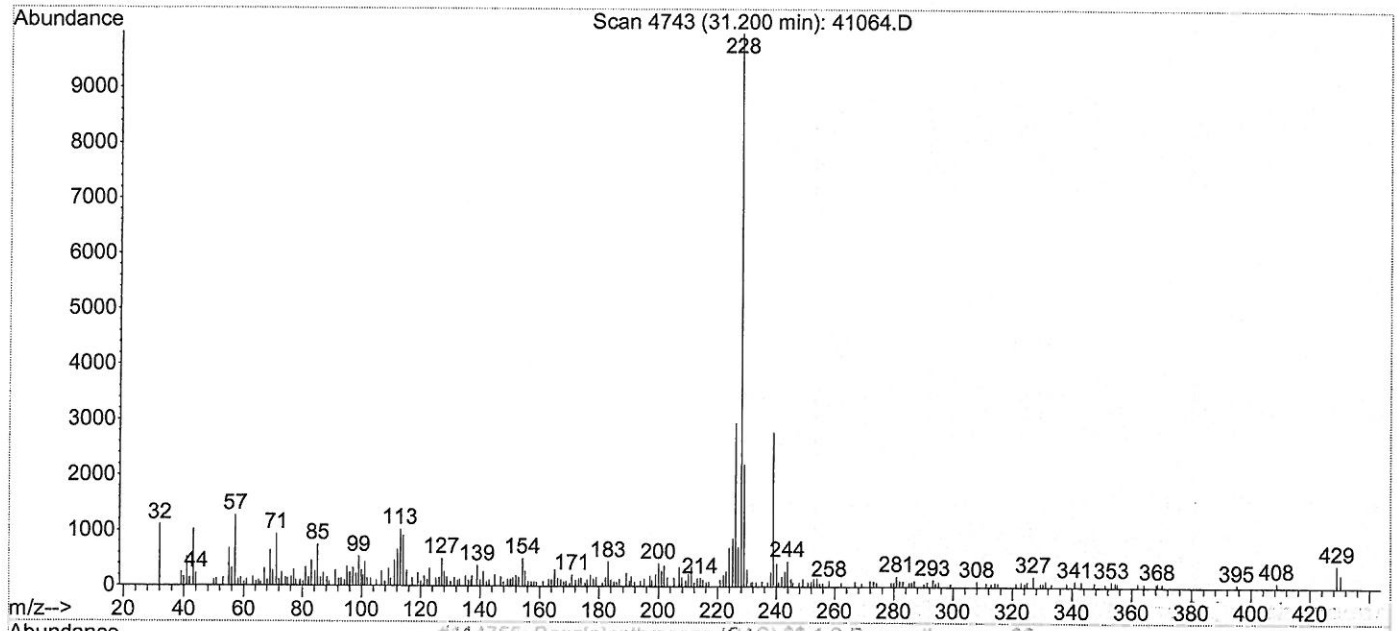
Ret.zeit 30.39

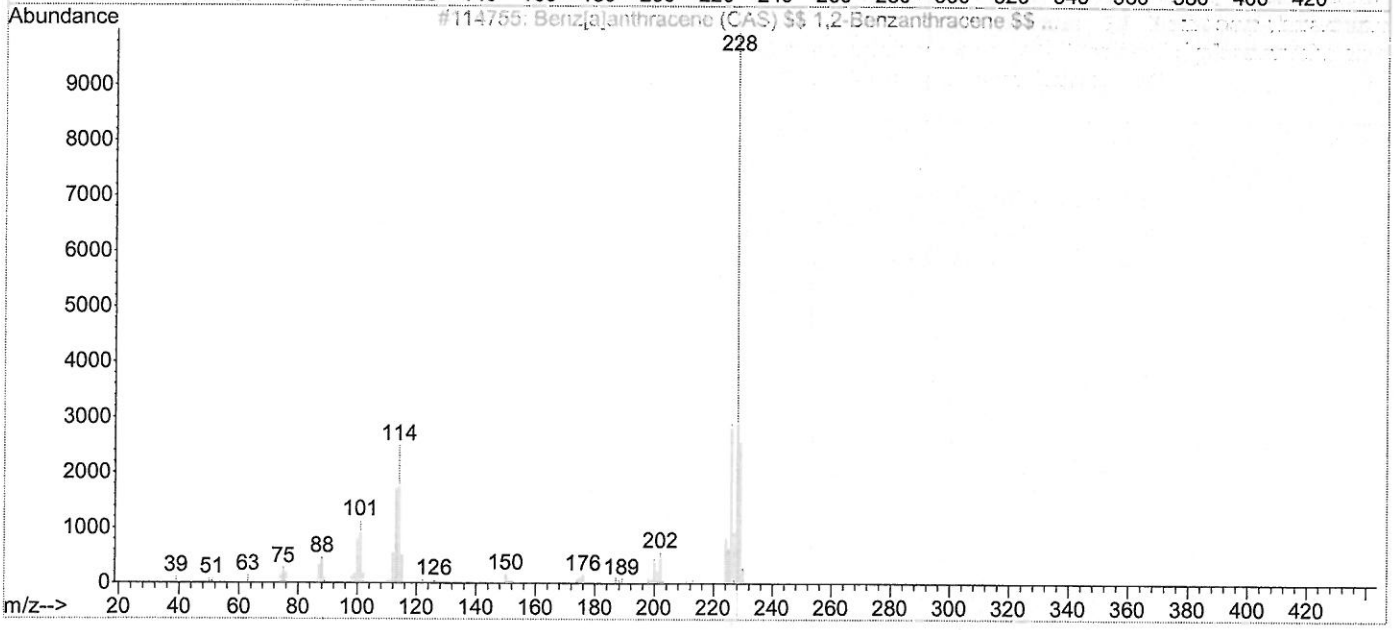
Library Searched : C:\DATABASE\wiley275.l
Quality : 70
ID : 9,10-Anthracenedione, 1-hydroxy-2-(hydroxymethyl)- $$ 1-Hydroxy-2-hydroxymethylanthraquinone $$ Anthraquinone, 1-hydroxy-2-hydroxymethyl- $$ Deoxylucidin $$ Digiferruginol



Ret. zeit 31.20

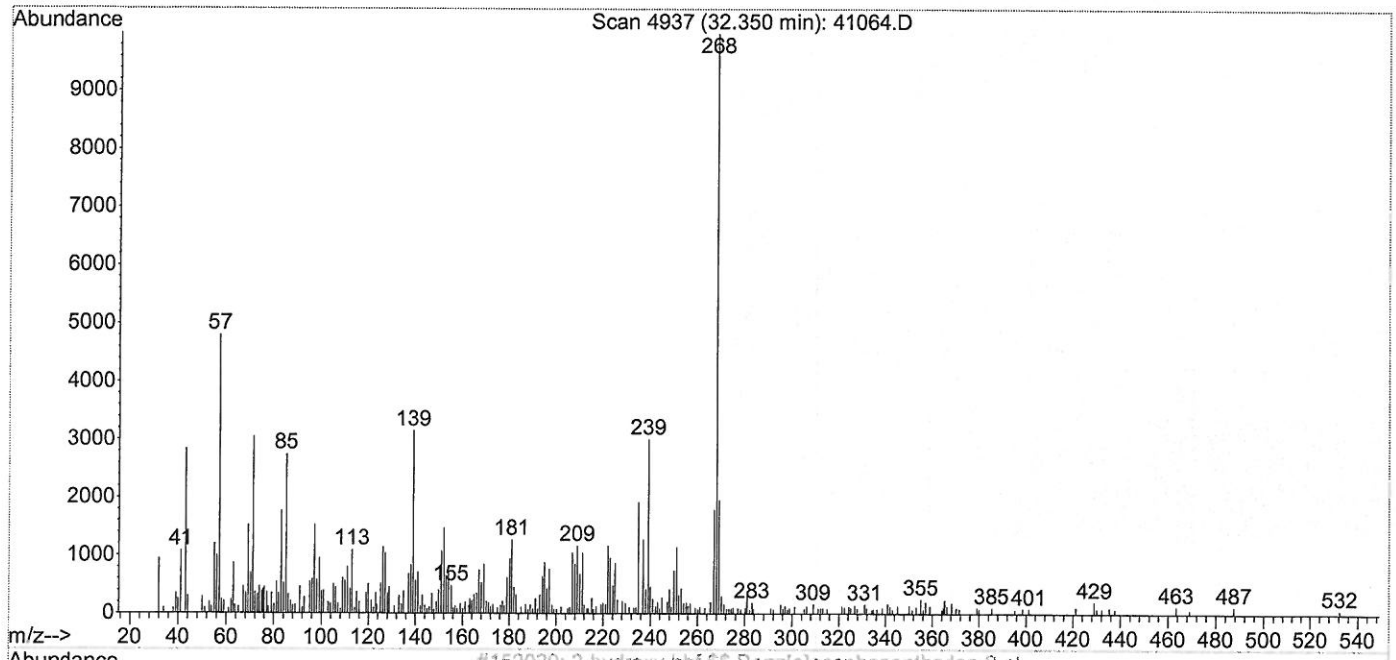
Library Searched : C:\DATABASE\wiley275.l
Quality : 91
ID : Benz[a]anthracene (CAS) $$ 1,2-Benzanthracene $$ Benzo[a]anthracene $$ Tetraphene $$ Benzanthrene $$ Benzanthracene $$ Benzoanthracene $$ 1,2-Benzanthrene $$ 1,2-Benzoanthracene $$ Benzo[b]phenanthrene $$ 1,2-Benz[a]anthracene $$ 2,3-Benzophenanthrene $$

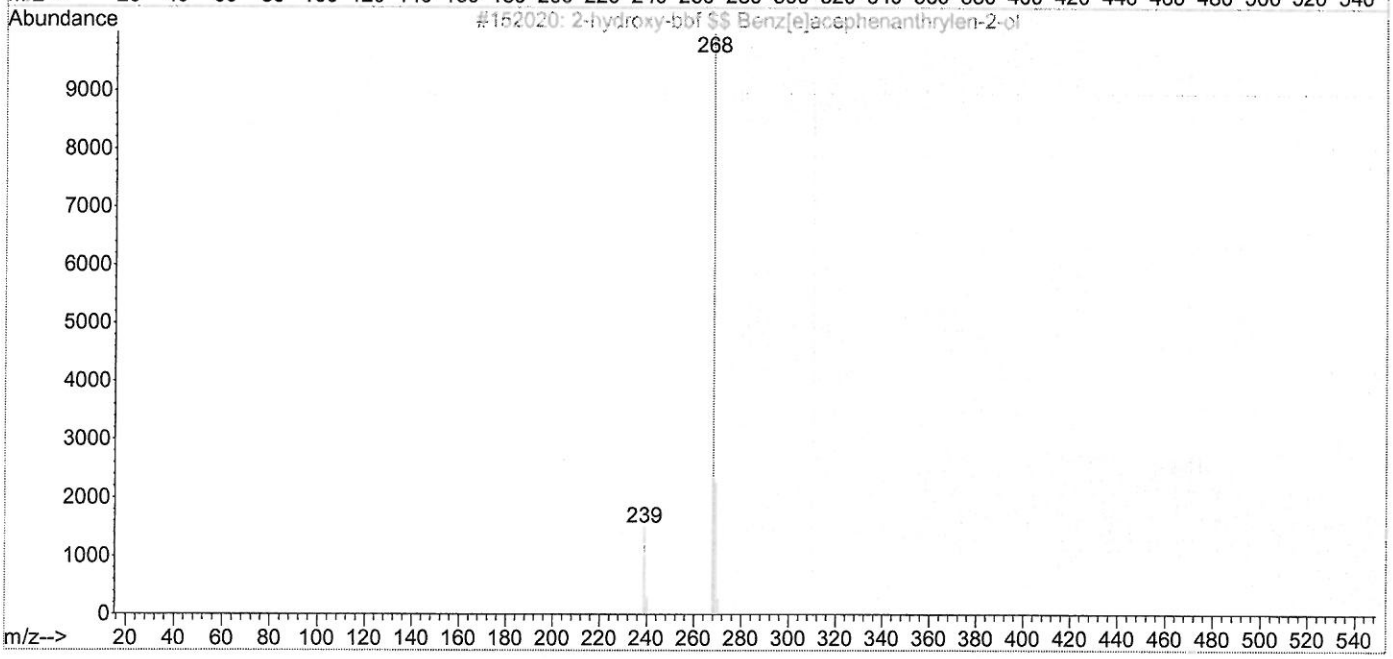




Ret. zeit 32.36

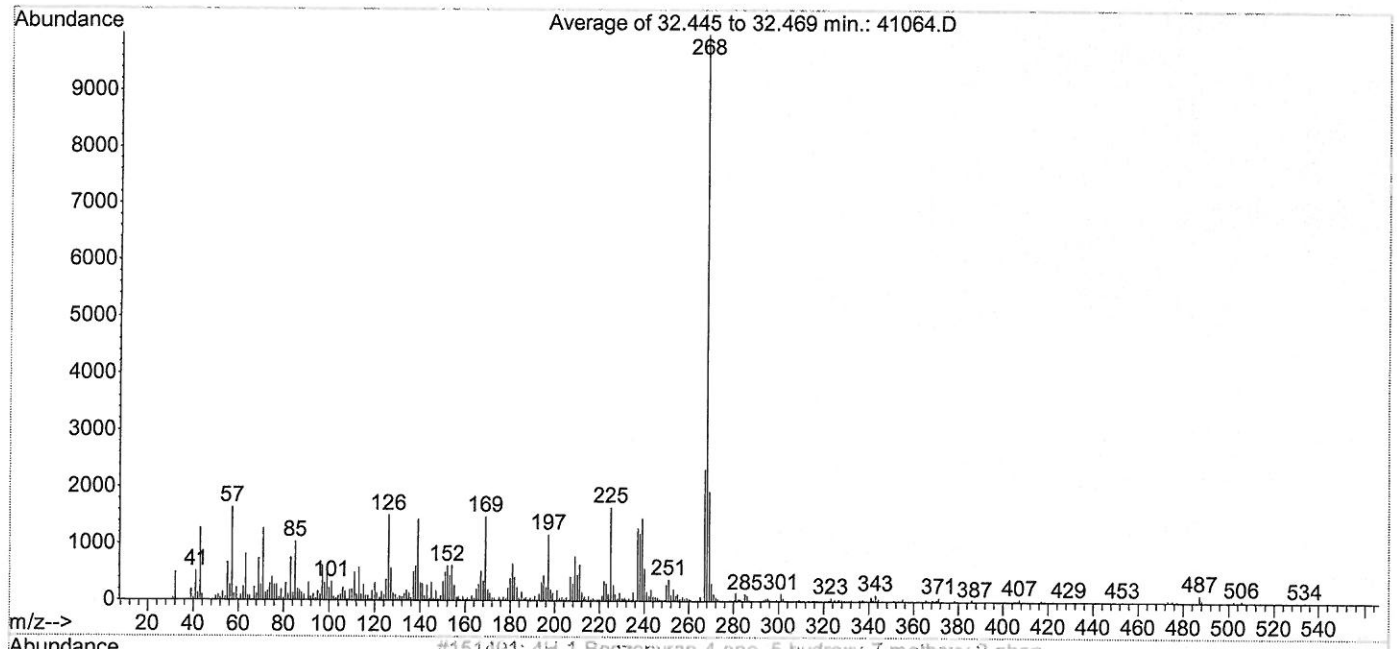
```
Library Searched : C:\DATABASE\wiley275.l
Quality          : 78
ID               : 2-hydroxy-bbf $$ Benz[e]acephenanthrylen-2-ol
```

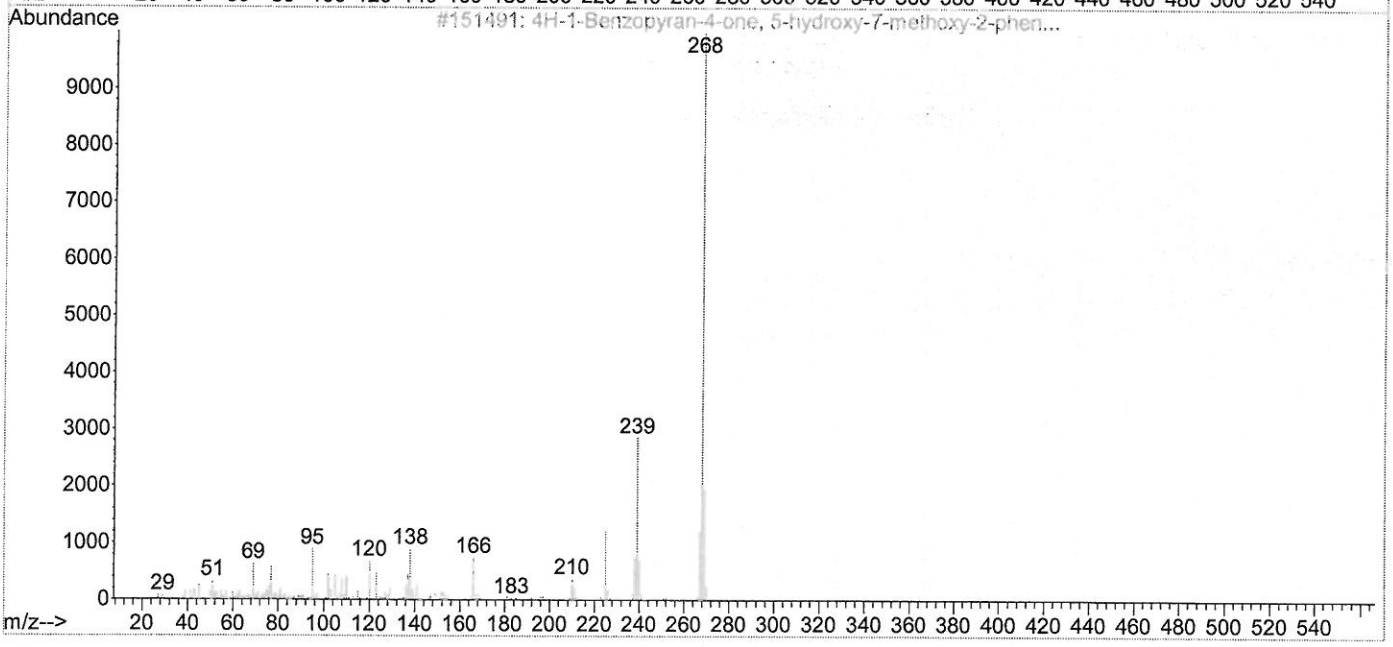




Ret. zeit 32.46

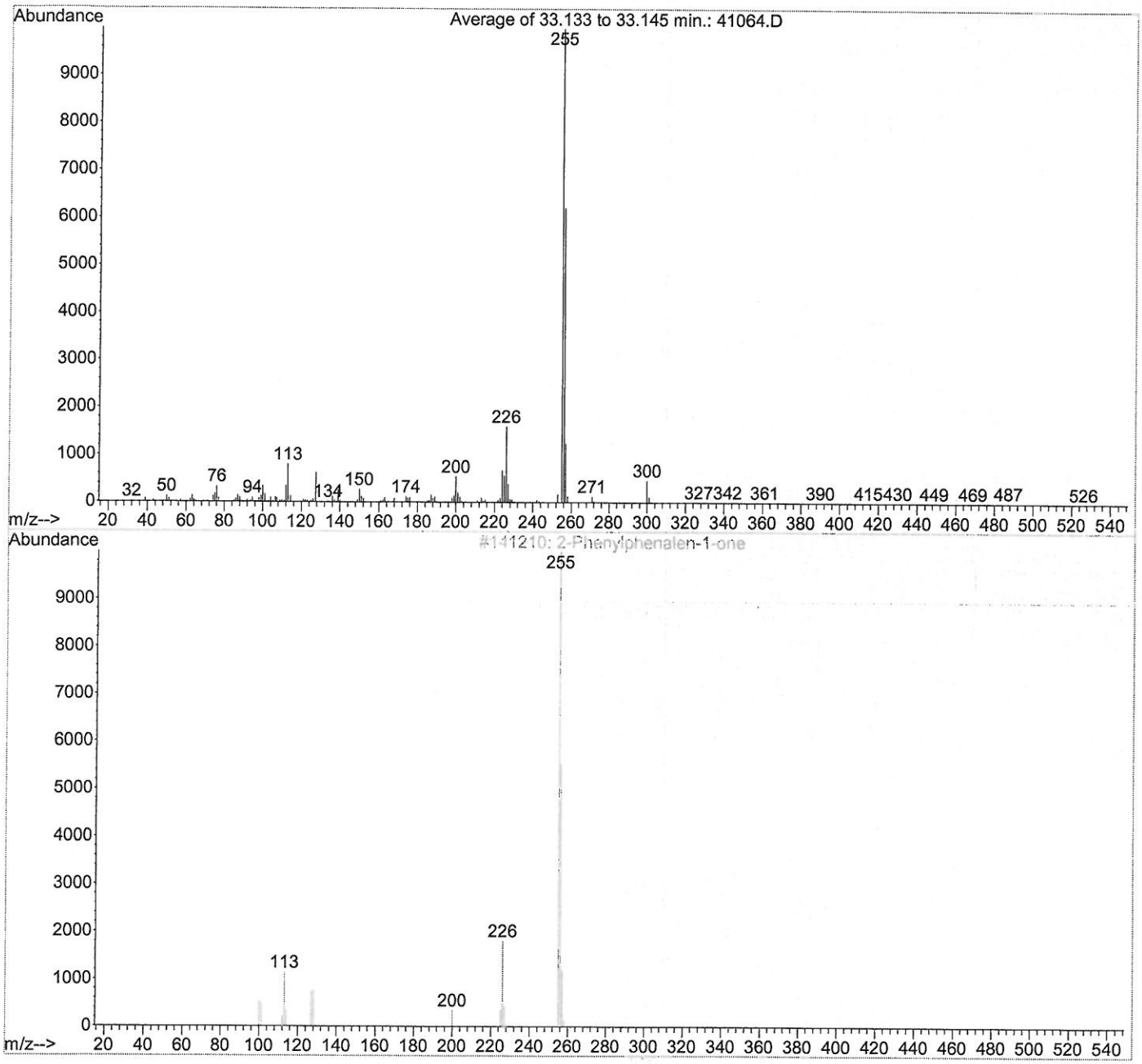
Library Searched : C:\DATABASE\wiley275.l
Quality : 72
ID : 4H-1-Benzopyran-4-one, 5-hydroxy-7-methoxy-2-phenyl- (CAS) $$ Tectochrysin $$ 5-Hydroxy-7-methoxyflavone $$ 7-Methoxy-5-hydroxyflavone $$ Flavone, 5-hydroxy-7-methoxy-





Library Searched : C:\DATABASE\wiley275.l
Quality : 87
ID : 2-Phenylphenalen-1-one

Rel. zeit 33.14



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EUROFINS-AUA GmbH Niederlassung Freiberg
OT Tuttendorf, Gewerbepark „Schwarze Kiefern" D-09633 Halsbrücke

Auftraggeber:

HPC
HARRESS PICKEL CONSULT AG

Nansenstr. 5

79539 Lörrach

Prüfbericht Nr.: 10906470.1

(Seite 1 von 1 Seiten; Anlage Chromatogramme)

Projekt: HPC 2092160

Auftrag: Untersuchung von 4 Proben nach Vorgaben des Auftraggebers

Auftrag vom: 09.12.2009 Prüfzeitraum: 10.12. bis 11.12.2009

Probenahme: Die Proben wurden vom Auftraggeber angeliefert!

Prüfverfahren:

GC-MS-Screening (N)

Freiberg, den 11.12.2009

Dipl.-Chem. A. Ulbricht
Laborleiter

Proben werden, wenn nicht anders vereinbart oder fachlich begründet, 3 Monate im Labor aufbewahrt. Die Prüfergebnisse beziehen sich ausschließlich auf die vorliegenden Prüfgegenstände. Sofern die Proben nicht ein Mitarbeiter unseres Labors genommen hat, wird die Verantwortung für die Richtigkeit der Probenahme abgelehnt! Dieser Prüfbericht darf nur vollständig und unverändert weiterverbreitet werden. Auszüge oder Änderungen bedürfen in jedem Einzelfall der Genehmigung der EUROFINS - AUA GmbH Ndl. Freiberg. Prüfberichte ohne Unterschrift haben keine Gültigkeit! Fremdvergaben in akkreditierte Laboratorien sind mit F und in akkreditierte Laboratorien des Firmenverbundes mit FF gekennzeichnet. Nicht akkreditierte Prüfverfahren sind mit N gekennzeichnet.

Nach DIN EN ISO/IEC 17025:2005 durch die
DACH Deutsche Akkreditierungsstelle Chemie GmbH akkreditiertes Prüflaboratorium.

Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren.

Deutscher Akkreditierungs Rat
DAR
DAC-PL-0540-07-03

Niederlassung Freiberg
OT Tuttendorf, Gewerbepark „Schwarze Kiefern"
D-09633 Halsbrücke

EUROFINS-AUA GmbH
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Amtsgericht Jena
HRB 202596
Ust.-ID.Nr.: DE 151 28 1997

Geschäftsführer:
Dr. Ulrich Erler
Dr. Benno Schneider

Bankverbindung:

NORD LBD
BLZ 250 500 00
Kto 150 334 803
IBAN DE25250500000150334803
BIC/SWIFT NOLA DE 2HXXX

eurofins | Umwelt

GC-MS-Screening

Von den gelieferten Bodenproben wurde ein Hexanextrakt hergestellt und mittels GC-MS eine Screeninganalyse durchgeführt. Ein Abgleich der Spektren der einzelnen Komponenten mit der Spektrenbibliothek erfolgte über einen automatischen Suchlauf. Alle gefundenen Substanzen sind in beigefügter Liste aufgeführt. Für jede Komponente stehen drei Möglichkeiten zur Auswahl. Bei einer Qualität (siehe Tabelle letzte Spalte) von >70% kann von einer richtigen Identifizierung ausgegangen werden.

Probe 109041274 – KE 42, 0-6m
Hauptbestandteile:
- n-Alkane
- PCB´s
- Terphenyle
-aromatische Amine

Probe 109041275 – KE 37, 0-4,9m
Hauptbestandteile:
-n-Alkane
-PAH´s
-Terphenyle
-Phthalate

Probe 109041276 – KE 28, 0-6m
Hauptbestandteile:
-n-Alkane
-PCB´s
-aromatische Amine
-Pyridine
-Terphenyle
-Phthalate
-Indol

Probe 109041277 – P 16a, 0-6m
Hauptbestandteile:
-PAH´S
-n-Alkane
-Phthalate
-Indol
-kondensierte aromatische Ringe
-Terphenyle

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Messbedingungen :
-GC-MS-System 6890N mit MSD 5973N und ALS Fa.: Agilent Techn.

-Kapillarsäule: HP 5 MS (30 m x 0, 25 mm x 0, 25 µm)
-Temperaturprogramm: 50°C; (1min); 7K/min auf 300 °C; 10min
-Transferline: 280 °C
-Temperatur Quadrupol: 150 °C
-Temperatur Ionenquelle: 280°C
-Injektionsvolumen: 2 µl
-Injektortemperatur: 250 °C
-Trägergas: He (1 ml/min)
-Elektronenionisation
-Scan-Modus Massenbereich 30 bis 550
-Scan-Rate 2,8 scans/s

```
File        : C:\MSDCHEM\1\DATA\41275.D
Operator    : CR
Acquired    : 10 Dec 2009  20:34     using AcqMethod SCREEN
Instrument  :    Instrumen
Sample Name: 10906470-41275
Misc Info   :
Vial Number: 3
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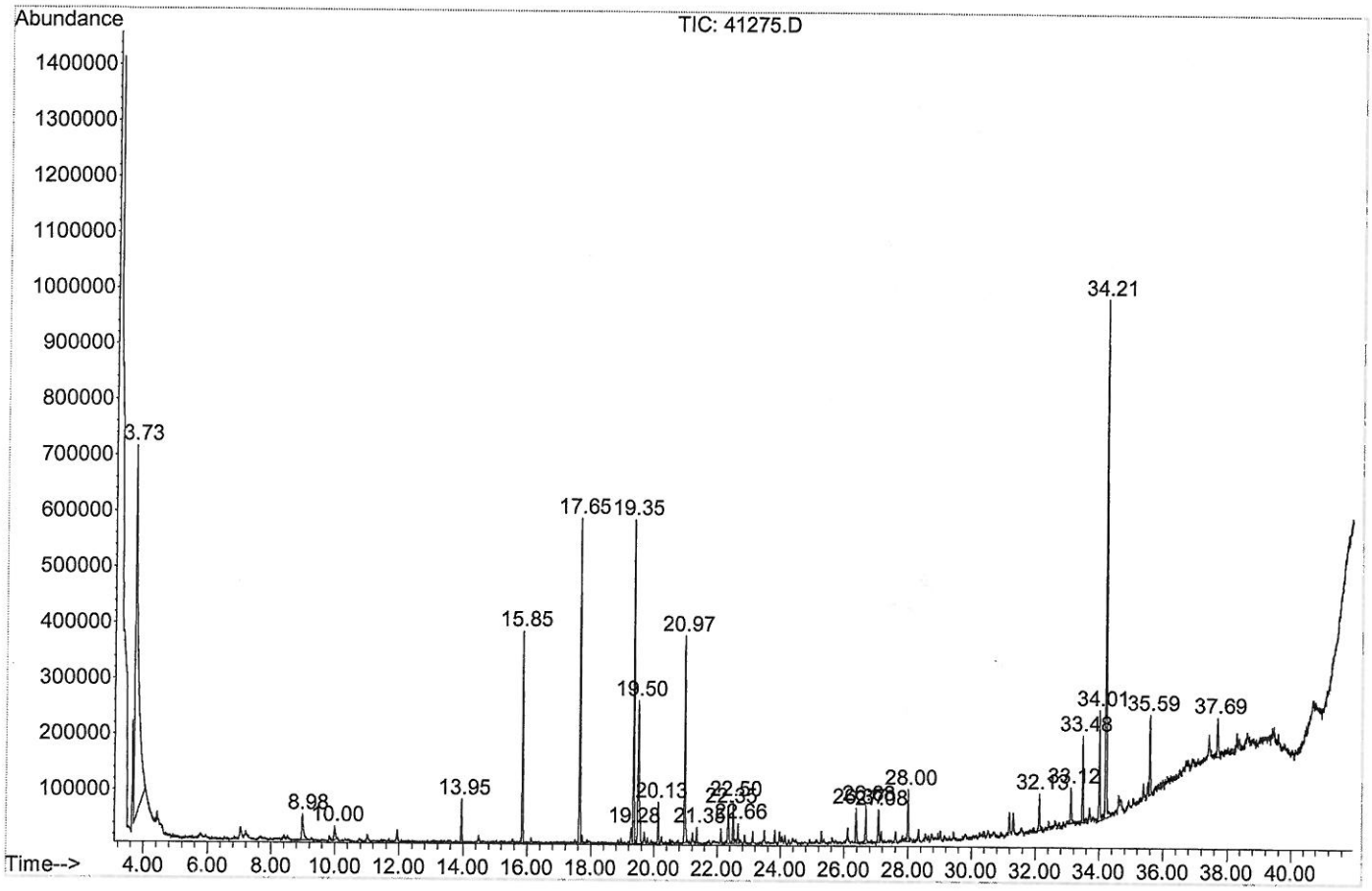

Information from Data File:

File: C:\MSDCHEM\1\DATA\41275.D
Operator: CR
Date Acquired: 10 Dec 2009 20:34
Method File: SCREEN
Sample Name: 10906470-41275
Misc Info:
Vial Number: 3

Search Libraries: C:\DATABASE\wiley275.l Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: Chemstation Integrator - events.e

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.73	30.76	C:\DATABASE\wiley275.l			
			3-Hexen-2-one (CAS) $$ 1-Buteny...	5670	000763-93-9	91
			3-Penten-2-one, 4-methyl- (CAS)...	5701	000141-79-7	90
			3-Penten-2-one, 4-methyl- (CAS)...	5703	000141-79-7	87
2	8.98	1.27	C:\DATABASE\wiley275.l			
			1,3-Benzodioxole, hexahydro-2,2...	42215	005664-14-2	28
			Thiazole, 5-ethyl-2-methyl-4-pr...	54273	004276-67-9	28
			2,4-Dimethyl-1-hepten-4-ol	29982	000000-00-0	17
	10.00	0.50	C:\DATABASE\wiley275.l			
			2,5-Cyclohexadiene-1,4-dione, 2...	24341	000137-18-8	64
			2,5-Cyclohexadiene-1,4-dione, 2...	24339	000137-18-8	62
			2,5-Cyclohexadiene-1,4-dione, 2...	24343	000527-61-7	58
4	13.95	1.13	C:\DATABASE\wiley275.l			
			Tridecane (CAS) $$ n-Tridecane ...	69453	000629-50-5	94
			Tridecane (CAS) $$ n-Tridecane ...	69456	000629-50-5	94
			Tridecane (CAS) $$ n-Tridecane ...	69452	000629-50-5	93
5	15.85	4.83	C:\DATABASE\wiley275.l			
			Tetradecane (CAS) $$ n-Tetradec...	83548	000629-59-4	97
			N-TETRADECANE	83576	000000-00-0	97
			Tetradecane (CAS) $$ n-Tetradec...	83536	000629-59-4	97
6	17.65	7.57	C:\DATABASE\wiley275.l			
			Pentadecane (CAS) $$ n-Pentadec...	98301	000629-62-9	98
			Pentadecane (CAS) $$ n-Pentadec...	98308	000629-62-9	97
			pentadecane	98340	000629-62-9	97
7	19.28	0.54	C:\DATABASE\wiley275.l			
			Naphthalene, 1,2,3,4-tetrahydro...	45878	004175-54-6	22
			1H-Indene, 2,3-dihydro-1,4,7-tr...	45863	054340-87-3	20
			1H-Indene, 2,3-dihydro-4,5,7-tr...	45866	006682-06-0	18
8	19.35	7.57	C:\DATABASE\wiley275.l			
			Hexadecane (CAS) $$ n-Hexadecan...	112843	000544-76-3	98
			Hexadecane (CAS) $$ n-Hexadecan...	112855	000544-76-3	98
			Hexadecane (CAS) $$ n-Hexadecan...	112851	000544-76-3	96
9	19.50	5.79	C:\DATABASE\wiley275.l			
			Dimethyl-1,3-dimethylindol-2-yl...	167653	034203-07-1	83
			D-Mannitol, 1,2:3,4:5,6-tris-O-...	179518	003969-59-3	72
			1,2:3,4:5,6-Tri-O-isopropyliden...	179526	004239-88-7	43
10	20.14	1.05	C:\DATABASE\wiley275.l			
			D-Mannitol, 1,2:3,4:5,6-tris-O-...	179518	003969-59-3	40
			Trimethyl citrate $$ 1,2,3-Prop...	119179	001587-20-8	12
			METHYL ESTER OF N-VINYL CARBAMI...	7109	000000-00-0	10
11	20.97	5.06	C:\DATABASE\wiley275.l			
			Heptadecane (CAS) $$ n-Heptadec...	126476	000629-78-7	98
			Heptadecane (CAS) $$ n-Heptadec...	126473	000629-78-7	97
			HEPTADECANE	126483	000000-00-0	96
12	21.35	0.36	C:\DATABASE\wiley275.l			
			3-CHLORO-1,2,4-TRIAZINE-1-OXIDE...	21328	063197-07-9	47
			1-Butene, 4,4-dichlorohexafluor...	117154	000357-24-4	25

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                 1-Butene, 4,4-dichlorohexafluor... 117155 000357-24-4 25

13  22.35  1.24 C:\DATABASE\wiley275.l
                 Anthracene (CAS) $$ Anthracin $...  63051 000120-12-7 60
                 Phenanthrene (CAS) $$ Phenanthr...  63071 000085-01-8 60
                 benz[a]azulene                      63077 000000-00-0 60

14  22.50  1.04 C:\DATABASE\wiley275.l
                 Octadecane (CAS) $$ n-Octadecan... 139438 000593-45-3 92
                 Octadecane (CAS) $$ n-Octadecan... 139434 000593-45-3 91
                 Octadecane (CAS) $$ n-Octadecan... 139442 000593-45-3 90

15  22.66  0.52 C:\DATABASE\wiley275.l
                 Crinamine acetate                  207505 000000-00-0 30
                 3-hydroxycarbonyl-4-(1',3'-diox... 207464 000000-00-0 17
                 2,3,4-Trimethoxybenzylamine, PFP   207363 000000-00-0 16

16  26.37  1.15 C:\DATABASE\wiley275.l
                 Fluoranthene (CAS) $$ 1,2-BENZA...  87343 000206-44-0 90
                 Fluoranthene (CAS) $$ 1,2-BENZA...  87345 000206-44-0 90
                 Pyrene (CAS) $$ .beta.-Pyrene $...  87366 000129-00-0 87

17  26.68  1.26 C:\DATABASE\wiley275.l
                 2-chloro-6-(para-chlorophenyl)-... 221171 095886-28-5 46
                 2-Thiophenemethylamine (CAS) $$...  11334 027757-85-3 11
                 DL-TRANS-1,3-DIMETHOXY-CYCLOHEX...  31154 085334-85-6 10

    27.07  1.09 C:\DATABASE\wiley275.l
                 Pyrene (CAS) $$ .beta.-Pyrene $...  87366 000129-00-0 81
                 Pyrene (CAS) $$ .beta.-Pyrene $...  87364 000129-00-0 81
                 Pyrene (CAS) $$ .beta.-Pyrene $...  87359 000129-00-0 81

19  28.00  1.57 C:\DATABASE\wiley275.l
                 1,1':4',1''-Terphenyl (CAS) $$ ... 116563 000092-94-4 95
                 1,1':4',1''-Terphenyl (CAS) $$ ... 116561 000092-94-4 95
                 1,1':3',1''-Terphenyl (CAS) $$ ... 116555 000092-06-8 94

20  32.13  1.21 C:\DATABASE\wiley275.l
                 1,2-Benzenedicarboxylic acid, b... 230983 000117-81-7 87
                 Di-(2-ethylhexyl)phthalate         231010 000117-81-7 87
                 1,2-Benzenedicarboxylic acid, b... 230978 000117-81-7 80

21  33.11  1.13 C:\DATABASE\wiley275.l
                 2-Phenylphenalen-1-one             141210 073873-15-1 83
                 1,2,3,4,6,7,12,12b-octahydro-3-... 140984 083431-09-8 50
                 1,2,3,4,6,7,12,12b-octahydro-3.... 140985 083431-10-1 50

22  33.48  2.34 C:\DATABASE\wiley275.l
                 1-METHYL-3-METHOXY-V-TRIAZOLE $...  11252 004918-01-8 14
                 Thiazole, 4,5-dimethyl- (CAS) $...  11321 003581-91-7 14
                 (E)-3-(diethylboryl)-2-(dimethy... 155210 125212-45-5 14

23  34.01  3.24 C:\DATABASE\wiley275.l
                 SPIRO(5,5)UNDECANE-1-ONE-2,2-D2...  51473 054410-61-6 22
                 Pyrrolidine, 1-(6-hydroxy-1-oxo... 213206 056666-42-3 22
                 Thiazole, 2,4-dimethyl- (CAS) $...  11311 000541-58-2 18

24  34.21 14.34 C:\DATABASE\wiley275.l
                 2- and 4-Acetoxy-2,6,6-trimethy...  99588 069204-83-7 16
                 6,10-DIACETYL-2,3-DIHYDRODECINN... 216368 064643-88-5 14
                 2,5-Pyrrolidinedione, 1-methyl-...  11281 001121-07-9 10

25  35.59  2.11 C:\DATABASE\wiley275.l
                 3-(5,6-Dimethoxy-2,3-dihydroind... 179061 068890-30-2 64
                 Pyrrolidine, 1-(3,6-dimethyl-1-... 194991 056630-62-7 25
                 4',7',7'-TRIMETHYL-DISPIRO[1,3-... 138789 000000-00-0 25

26  37.69  1.33 C:\DATABASE\wiley275.l
                 1,1':3',1'':3'',1'''-Quaterphen... 183225 001166-18-3 96
                 1,1':3',1'':4'',1'''-Quaterphen... 183226 001166-19-4 93
                 1,1':3',1'':4'',1'''-Quaterphen... 183228 001166-19-4 93

                 Fri Dec 11 15:21:01 2009
```
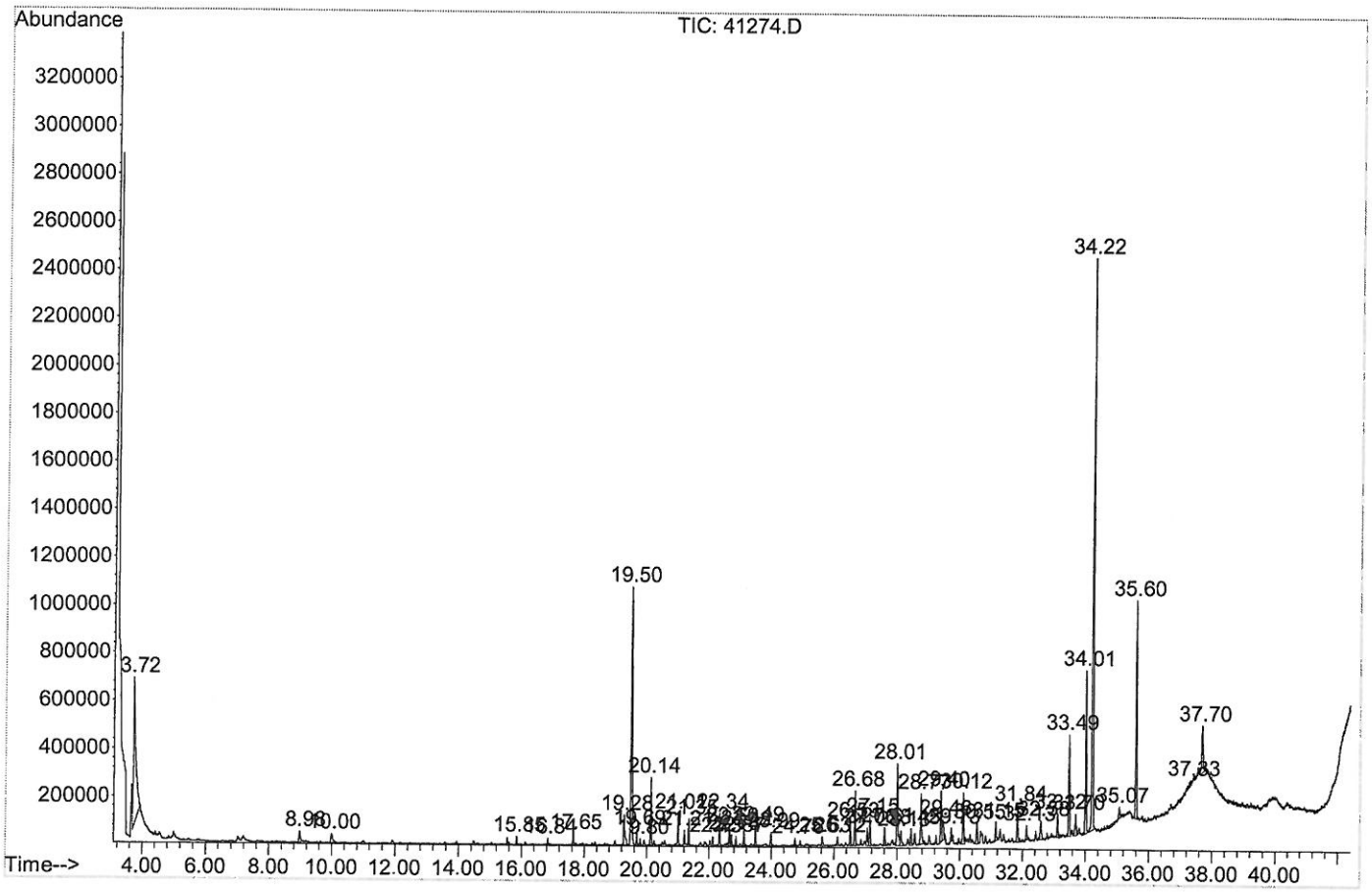

33.11.

Name	2-Phenylphenalen-1-one
CAS Number	073873-15-1
Entry Number	141210
Molecular Formula	C19H12O
Misc Information	QI=179, Source=J-45-3365-0
Match Quality	80
Company ID	103071
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	256.09

Name	1,1':3',1'':3'',1'''-Quaterphenyl (CAS) $$ m-Tetr
CAS Number	001166-18-3
Entry Number	183225
Molecular Formula	C24H18
Misc Information	QI=894, Source=NS-0-0-0
Match Quality	96
Company ID	300897
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	306.14

File : C:\MSDCHEM\1\DATA\41274.D
Operator : CR
Acquired : 10 Dec 2009 19:38 using AcqMethod SCREEN
Instrument : Instrumen
Sample Name: 10906470-41274
Misc Info :
Vial Number: 2



Information from Data File:

File: C:\MSDCHEM\1\DATA\41274.D
Operator: CR
Date Acquired: 10 Dec 2009 19:38
Method File: SCREEN
Sample Name: 10906470-41274
Misc Info:
Vial Number: 2

Search Libraries: C:\DATABASE\wiley275.l Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: Chemstation Integrator - events.e

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.73	11.98	C:\DATABASE\wiley275.l			
			3-Penten-2-one, 4-methyl- (CAS)...	5701	000141-79-7	91
			3-Hexen-2-one (CAS) $$ 1-Buteny...	5670	000763-93-9	91
			3-Penten-2-one, 4-methyl- (CAS)...	5702	000141-79-7	90
2	8.98	0.59	C:\DATABASE\wiley275.l			
			Thiazole, 4-ethyl-2,5-dimethyl-...	28696	032272-57-4	25
			4-Acetyl-2-methylthiazole $$ Et...	28526	023002-78-0	17
			1,3-Benzodioxole, 2-ethenylhexa...	39672	055702-63-1	12
	10.00	0.63	C:\DATABASE\wiley275.l			
			2,5-Cyclohexadiene-1,4-dione, 2...	24339	000137-18-8	93
			2,5-Cyclohexadiene-1,4-dione, 2...	24340	000137-18-8	70
			2,5-Cyclohexadiene-1,4-dione, 2...	24342	000527-61-7	64
4	15.85	0.25	C:\DATABASE\wiley275.l			
			Tetradecane (CAS) $$ n-Tetradec...	83536	000629-59-4	94
			Tetradecane (CAS) $$ n-Tetradec...	83544	000629-59-4	93
			Tetradecane (CAS) $$ n-Tetradec...	83538	000629-59-4	93
5	16.84	0.22	C:\DATABASE\wiley275.l			
			5,8-Dimethylquinoxaline $$ Quin...	44161	064931-22-2	72
			1,4-Naphthalenediamine $$ 1,4-D...	44166	002243-61-0	62
			Pyridine, 3-(1-methyl-1H-pyrrol...	44176	000487-19-4	58
6	17.65	0.37	C:\DATABASE\wiley275.l			
			Pentadecane (CAS) $$ n-Pentadec...	98302	000629-62-9	78
			pentadecane	98338	000629-62-9	78
			Pentadecane (CAS) $$ n-Pentadec...	98308	000629-62-9	78
7	19.28	1.56	C:\DATABASE\wiley275.l			
			(Z)-2-(1'-PROPENYL)MESITYLENE $...	45831	002077-40-9	46
			2,4,6-TRIMETHYLINDANE $$ 1H-Ind...	45865	065001-56-1	43
			Naphthalene, 1,2,3,4-tetrahydro...	45886	020027-77-4	42
8	19.50	11.57	C:\DATABASE\wiley275.l			
			Dimethyl-1,3-dimethylindol-2-yl...	167653	034203-07-1	83
			D-Mannitol, 1,2:3,4:5,6-tris-O-...	179518	003969-59-3	52
			Trimethyl citrate $$ 1,2,3-Prop...	119177	001587-20-8	35
9	19.69	0.54	C:\DATABASE\wiley275.l			
			Trimethyl citrate $$ 1,2,3-Prop...	119178	001587-20-8	37
			Trimethyl citrate $$ 1,2,3-Prop...	119177	001587-20-8	37
			Trimethyl citrate $$ 1,2,3-Prop...	119179	001587-20-8	37
10	19.80	0.25	C:\DATABASE\wiley275.l			
			Benzenamine, N-phenyl- (CAS) $$...	54418	000122-39-4	81
			Benzenamine, N-phenyl- (CAS) $$...	54416	000122-39-4	81
			Hydrazine, 1,1-diphenyl- (CAS) ...	69211	000530-50-7	78
11	20.14	2.14	C:\DATABASE\wiley275.l			
			D-Mannitol, 1,2:3,4:5,6-tris-O-...	179518	003969-59-3	37
			4B-(P-DEUTEROPHENYL)-4B,10A-DIH...	167243	000000-00-0	27
			Trimethyl citrate $$ 1,2,3-Prop...	119180	001587-20-8	16
12	21.01	1.04	C:\DATABASE\wiley275.l			
			2- and 4-Acetoxy-2,6,6-trimethy...	99588	069204-83-7	40
			2-Butenedioic acid (Z)-, dimeth...	30594	000624-48-6	38

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                Silane, dichloromethyl[3-[1,2,2... 205347 020006-68-2 27

13  21.22  0.39 C:\DATABASE\wiley275.l
                4-Pyrimidinamine, 2,6-difluoro-     21332 000675-12-7 43
                Silane, [(dimethylsilyl)methyl]...  32258 001189-75-9 37
                4,6-DIFLUORO-2-AMINOPYRIMIDINE      21331 000675-11-6 32

14  21.35  0.77 C:\DATABASE\wiley275.l
                3-CHLORO-1,2,4-TRIAZINE-1-OXIDE...  21328 063197-07-9 47
                Silane, [(dimethylsilyl)methyl]...  32259 001189-75-9 36
                Silane, [(dimethylsilyl)methyl]...  32258 001189-75-9 36

15  22.12  0.31 C:\DATABASE\wiley275.l
                2,3,4-Trimethoxybenzylamine, PFP   207363 000000-00-0 12
                Crinamine acetate                  207505 000000-00-0  9
                (5.alpha.,6.alpha.)-7,8-didehyd... 207552 000000-00-0  9

16  22.34  1.12 C:\DATABASE\wiley275.l
                1,4-Dihydroxy-5-nitroanthraquinone 165856 000000-00-0 50
                Morphinan-6-one, 3-methoxy-17-m... 166134 002246-20-0 38
                2-Phenanthrylamine, 9,10-dihydr... 165867 018264-97-6 38

17  22.66  0.59 C:\DATABASE\wiley275.l
                3,4,5-Trimethoxybenzylamine PFP    207364 000000-00-0 14
                4-CYCLOPROPYL-1,2-O-ISOPROPYLID...  84642 023259-21-4 10
                Silane, 1-butenyltrimethyl- (CAS)   19398 018291-95-7  9

    22.73  0.36 C:\DATABASE\wiley275.l
                6-METHYLXANTHOTOXIN $$ 7H-Furo[... 116002 042207-31-8 47
                5'-methyl-5-(3-buten-1-ynyl)-2,... 116019 000000-00-0 46
                1,1':2',1''-Terphenyl (CAS) $$ ... 116548 000084-15-1 43

19  22.87  0.30 C:\DATABASE\wiley275.l
                3,9-dibenzyl-9-phenyl-2-oxo-4-e... 207583 106537-90-0 14
                3-hydroxycarbonyl-4-(1',3'-diox... 207464 000000-00-0 10
                Cholan-16-one, 23-methyl-, (5.a... 216110 056143-17-0  9

20  23.12  0.53 C:\DATABASE\wiley275.l
                2-(6-hydroxy-1H-indol-3-yl)-3-(... 207520 073697-62-8 90
                oxybutynyn-hydrochloride           232064 000000-00-0 25
                (5.alpha.,6.alpha.)-7,8-didehyd... 207552 000000-00-0 25

21  23.49  0.69 C:\DATABASE\wiley275.l
                2-(cyclohepen-1-yl)cycloheptone... 106694 117721-04-7 90
                Dihydromayurone Oxime              106709 000000-00-0 64
                TRANS-3-PROPOXY-B-METHYL-B-NITR... 106502 000000-00-0 47

22  23.99  0.47 C:\DATABASE\wiley275.l
                1,1':2',1''-Terphenyl (CAS) $$ ... 116549 000084-15-1 91
                1,1':2',1''-Terphenyl (CAS) $$ ... 116547 000084-15-1 91
                1,1':2',1''-Terphenyl (CAS) $$ ... 116548 000084-15-1 91

23  24.76  0.40 C:\DATABASE\wiley275.l
                Naphtho[1,8-bc]pyran-7,8-dione,... 142512 013383-59-0 35
                trans-dicyanostilbene              116436 002450-55-7 35
                5,6-Dihydrochrysene                116576 002091-92-1 35

24  25.63  0.36 C:\DATABASE\wiley275.l
                METHYL ESTER OF 3-HYDROXY-OCTAN...  58825 000000-00-0 10
                Methyl ester of 3-hydroxydecano...  86685 056618-58-7 10
                2-methyl-2-(1-methylethyl)-1,3-...  32329 000000-00-0 10

25  26.12  0.37 C:\DATABASE\wiley275.l
                N-Ethyl-3-carbazole carboxaldeh... 109252 007570-45-8 86
                1-[4-Methyl-2-(2-thienyl)-5-thi... 108814 056421-61-5 72
                3-Acetyl-9-methylcarbazole         109253 001484-05-5 56

26  26.53  0.79 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, pentachloro- (CA... 195114 025429-29-2 99
                1,1'-Biphenyl, 2,2',3,5,6-Penta... 195130 073575-56-1 99
                1,1'-Biphenyl, 2,2',3,4,5-Penta... 195121 055312-69-1 99

27  26.68  1.95 C:\DATABASE\wiley275.l
                2-chloro-6-(para-chlorophenyl)-... 221171 095886-28-5 46
                2-HEXENAL PROPYLENE GLYCOL ACET...  42325 000000-00-0 10
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                5,7-Dioxooctanoic acid, methyl ...  70552 000000-00-0 10

28  27.06  0.63 C:\DATABASE\wiley275.l
                9-oxa-2-choro-bicyclo[4.3]-3-no...  56750 104307-81-5 35
                1,3,3,5-TETRACHLOROPENTANE          92652 000000-00-0 32
                1-(2-Chloro-3-oxo-1-propenyl)-2...  86160 086984-25-0 11

29  27.14  1.00 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,3,3',4,4'-pent... 195094 032598-14-4 99
                1,1'-Biphenyl, 2,2',4,4',5-pent... 195095 038380-01-7 99
                1,1'-Biphenyl, 2,3',4,4',5-pent... 195088 031508-00-6 99

30  27.61  0.68 C:\DATABASE\wiley275.l
                3-DIPHENYLMETHYLPYRIDINE           130444 000000-00-0 81
                Benzenamine, N,N-diphenyl- (CAS... 130437 000603-34-9 76
                2H-1-(cyclohepta[b]pyrrol-2-yl)... 130386 000000-00-0 72

31  28.01  3.23 C:\DATABASE\wiley275.l
                1,1':4',1''-Terphenyl (CAS) $$ ... 116563 000092-94-4 95
                1,1':4',1''-Terphenyl (CAS) $$ ... 116561 000092-94-4 94
                1,1':3',1''-Terphenyl (CAS) $$ ... 116555 000092-06-8 93

32  28.13  0.68 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,3',4,4',5-pent... 195088 031508-00-6 98
                1,1'-Biphenyl, 2,2',4,4',5-pent... 195095 038380-01-7 95
                1,1'-Biphenyl, pentachloro- (CA... 195115 025429-29-2 95

    28.45  0.59 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,4,4',5'-h... 215411 035065-28-2 99
                1,1'-Biphenyl, 2,2',4,4',5,5'-h... 215417 035065-27-1 99
                1,1'-Biphenyl, hexachloro- (CAS... 215440 026601-64-9 99

34  28.76  2.04 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,4',5',6-h... 215419 038380-04-0 99
                1,1'-Biphenyl, 2,2',3,4,4',5'-h... 215411 035065-28-2 99
                1,1'-Biphenyl, 2,2',3,3',4,4'-h... 215427 038380-07-3 99

35  29.40  1.69 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, hexachloro- (CAS... 215440 026601-64-9 99
                1,1'-Biphenyl, 2,3,3',4,4',5-he... 215409 038380-08-4 99
                3,4,5,3',4',5'-Hexachlorobiphen... 215437 032774-16-6 99

36  29.46  1.10 C:\DATABASE\wiley275.l
                5,5-Dimethyl-1-(2,2,2-trichloro... 168015 049629-15-4 32
                Pyrrolidine, 1-(1-oxo-9,11-octa... 201702 056666-45-6  9
                2-METHYLENE-3-BUTENYLAMINE           2553 000000-00-0  5

37  29.73  0.29 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,3',6,6'-h... 215431 038411-22-2 95
                1,1'-Biphenyl, 2,2',4,4',5,5'-h... 215417 035065-27-1 95
                1,1'-Biphenyl, 2,3,3',4,5,6-hex... 215410 041411-62-5 95

38  30.11  2.08 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,3',6,6'-h... 215431 038411-22-2 99
                1,1'-Biphenyl, 2,2',3,3',6,6'-h... 215432 038411-22-2 99
                1,1'-Biphenyl, 2,3',4,4',5,5'-h... 215423 052663-72-6 99

39  30.55  0.89 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,3,3',4,5,5',6-... 231409 074472-51-8 99
                1,1'-Biphenyl, 2,2',3,4,4',5,6-... 231406 074472-47-2 98
                1,1'-Biphenyl, 2,3,3',4,4',5,5'... 231386 039635-31-9 98

40  31.15  0.73 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,3',4,5,6'... 231384 038411-25-5 99
                1,1'-Biphenyl, 2,2',3,3',4,4',5... 231383 035065-30-6 99
                1,1'-Biphenyl, 2,3,3',4,4',5,5'... 231385 039635-31-9 99

41  31.84  1.37 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,3',5,5',6... 231389 052663-67-9 97
                1,1'-Biphenyl, 2,2',3,4,5,6,6'-... 231407 074472-49-4 96
                1,1'-Biphenyl, 2,2',3,4,5,5',6-... 231380 052712-05-7 96

42  32.13  0.47 C:\DATABASE\wiley275.l
                1,2-Benzenedicarboxylic acid, d... 230990 027554-26-3 87
                1,2-Benzenedicarboxylic acid, b... 230973 000117-81-7 87
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                1,2-Benzenedicarboxylic acid, b... 230983 000117-81-7 86

43  32.59  0.92 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,2',3,4,4',5,6'... 231410 060145-23-5 98
                1,1'-Biphenyl, 2,2',3,4,4',5,5'... 231382 035065-29-3 97
                1,1'-Biphenyl, 2,2',3,4',5,5',6... 231390 052663-68-0 97

44  33.12  0.88 C:\DATABASE\wiley275.l
                2-Phenylphenalen-1-one             141210 073873-15-1 47
                Myristic acid, 2-(1-octadecenyl... 262424 030760-02-2 38
                2-(cyclohexylidenemethyl)-5-met... 139997 122947-02-8  9

45  33.49  3.70 C:\DATABASE\wiley275.l
                3-(3-Hydroxy-1-butynyl)-4-metho... 128613 000000-00-0 47
                1-(Methylthio)-3-phenyl-4,5,6,7... 128713 132058-91-4 43
                6,7,9-Trimethyl-4-azaphenoxathi... 128556 083794-95-0 38

46  33.70  1.01 C:\DATABASE\wiley275.l
                1,1':2',1'':3'',1'''-Quaterphen... 183217 001165-57-7 95
                1,1':2',1'':4'',1'''-Quaterphen... 183218 001165-58-8 94
                1,1':2',1''-Terphenyl, 4'-pheny... 183220 001165-53-3 94

47  34.02  5.79 C:\DATABASE\wiley275.l
                2- and 4-Acetoxy-2,6,6-trimethy...  99588 069204-83-7 12
                6,10-DIACETYL-2,3-DIHYDRODECINN... 216368 064643-88-5 12
                1-METHYL-3-METHOXY-V-TRIAZOLE $...  11252 004918-01-8 11

    34.22 20.05 C:\DATABASE\wiley275.l
                METHYL 17.BETA.-HYDROXY-3-OXOAN... 217008 065011-32-7 46
                2- and 4-Acetoxy-2,6,6-trimethy...  99588 069204-83-7 16
                1,2,4,5-Tetrazine, 1,4-dibutylh...  84771 035035-70-2 14

49  35.07  0.02 C:\DATABASE\wiley275.l
                Thiazolo[5,4-f]quinoline, 7-met...  84801 003119-56-0 47
                2-(2-phenylcyclopropanyl)thioph...  85318 115149-38-7 47
                Methylester of 1-(Phenylethynyl...  85217 087957-55-9 47

50  35.60  7.25 C:\DATABASE\wiley275.l
                2-Butenedioic acid (Z)-, dimeth...  30594 000624-48-6 22
                3-(5,6-2H2)Deazauracil $$ 2(1H)...  10147 088278-25-5 22
                4,5-DIMETHYLTHIAZOLE                11336 000000-00-0 22

51  37.33  0.11 C:\DATABASE\wiley275.l
                Eicosane (CAS) $$ n-Eicosane       163881 000112-95-8 97
                N-EICOSANE                         163902 000112-95-8 97
                EICOSANE                           163904 000000-00-0 96

52  37.70  2.25 C:\DATABASE\wiley275.l
                1,1':3',1'':3'',1'''-Quaterphen... 183223 001166-18-3 96
                1,1':3',1'':4'',1'''-Quaterphen... 183227 001166-19-4 96
                Androstan-17-one, 3,11-dihydrox... 182938 032212-55-8 96

                Fri Dec 11 15:34:38 2009
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Name	2,5-Cyclohexadiene-1,4-dione, 2,5-dimethyl- (CAS)
CAS Number	000137-18-8
Entry Number	24339
Molecular Formula	C8H8O2
Misc Information	QI=899, Source=NS-0-0-0
Match Quality	91
Company ID	263579
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	136.05

Ret. 16.84

Name	5,8-Dimethylquinoxaline $$ Quinoxaline, 5,8-dimet
CAS Number	064931-22-2
Entry Number	44161
Molecular Formula	C10H10N2
Misc Information	QI=900, Source=NS-0-0-0
Match Quality	90
Company ID	269130
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	158.08

19.50

Name	D-Mannitol, 1,2:3,4:5,6-tris-O-(1-methylethyliden
CAS Number	003969-59-3
Entry Number	179518
Molecular Formula	C15H26O6
Misc Information	QI=864, Source=NS-0-0-0
Match Quality	43
Company ID	300153
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	302.17

Name	Dimethyl-1,3-dimethylindol-2-yl-fumarate $$ 2-But
CAS Number	034203-07-1
Entry Number	167653
Molecular Formula	C16H17NO4
Misc Information	QI=13, Source=KC-1983-503-0
Match Quality	83
Company ID	108185
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	287.12

19.80

Name	Hydrazine, 1,1-diphenyl-2-(2,4,6-trinitrophenyl)-
CAS Number	001707-75-1
Entry Number	232639
Molecular Formula	C18H13N5O6
Misc Information	QI=900, Source=NS-0-0-0
Match Quality	86
Company ID	310562
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	395.09

19.80

Name	Benzenamine, N-phenyl- (CAS) $$ DFA $$ DPA $$ DBA
CAS Number	000122-39-4
Entry Number	54408
Molecular Formula	C12H11N
Misc Information	QI=830, Source=NS-0-0-0
Match Quality	72
Company ID	325248
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	169.09

Ret. zeit 23.12

Name	2-(6-hydroxy-1H-indol-3-yl)-3-(1H-indol-3-yl)-mal
CAS Number	073697-62-8
Entry Number	207520
Molecular Formula	C20H13N3O3
Misc Information	QI=0, Source=F-44-2892-1
Match Quality	90
Company ID	172562
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	343.10

Ret. Zeit 23.43

Name	2-(cyclohepen-1-yl)cycloheptone oxime $$ Cyclohep
CAS Number	117721-04-7
Entry Number	106694
Molecular Formula	C14H23NO
Misc Information	QI=0, Source=F-44-1968-0
Match Quality	90
Company ID	172192
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	221.18

26.12

Name	N-Ethyl-3-carbazole carboxaldehyde $$ N-Ethyl car
CAS Number	007570-45-8
Entry Number	109252
Molecular Formula	C15H13NO
Misc Information	QI=887, Source=NS-0-0-0
Match Quality	86
Company ID	285518
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	223.10

27.06

Name	9-oxa-2-choro-bicyclo[4.3]-3-nonen-8-one $$ 2(3H)
CAS Number	104307-81-5
Entry Number	56750
Molecular Formula	C8H9ClO2
Misc Information	QI=0, Source=F-41-5769-14
Match Quality	35
Company ID	169401
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	172.03

33.70

Name	1,1':2',1'':4'',1'''-Quaterphenyl (CAS) $$ O-P-QU
CAS Number	001165-58-8
Entry Number	183218
Molecular Formula	C24H18
Misc Information	QI=805, Source=NS-0-0-0
Match Quality	98
Company ID	300894
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	306.14

37.70

Name	Androstan-17-one, 3,11-dihydroxy-, (3.beta.,5.bet
CAS Number	032212-55-8
Entry Number	182938
Molecular Formula	C19H30O3
Misc Information	QI=885, Source=NS-0-0-0
Match Quality	93
Company ID	300838
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	306.22

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File        : C:\MSDCHEM\1\DATA\41277.D
Operator    : CR
Acquired    : 10 Dec 2009  22:27     using AcqMethod SCREEN
Instrument  :    Instrumen
Sample Name: 10906470-41277
Misc Info   :
Vial Number: 5
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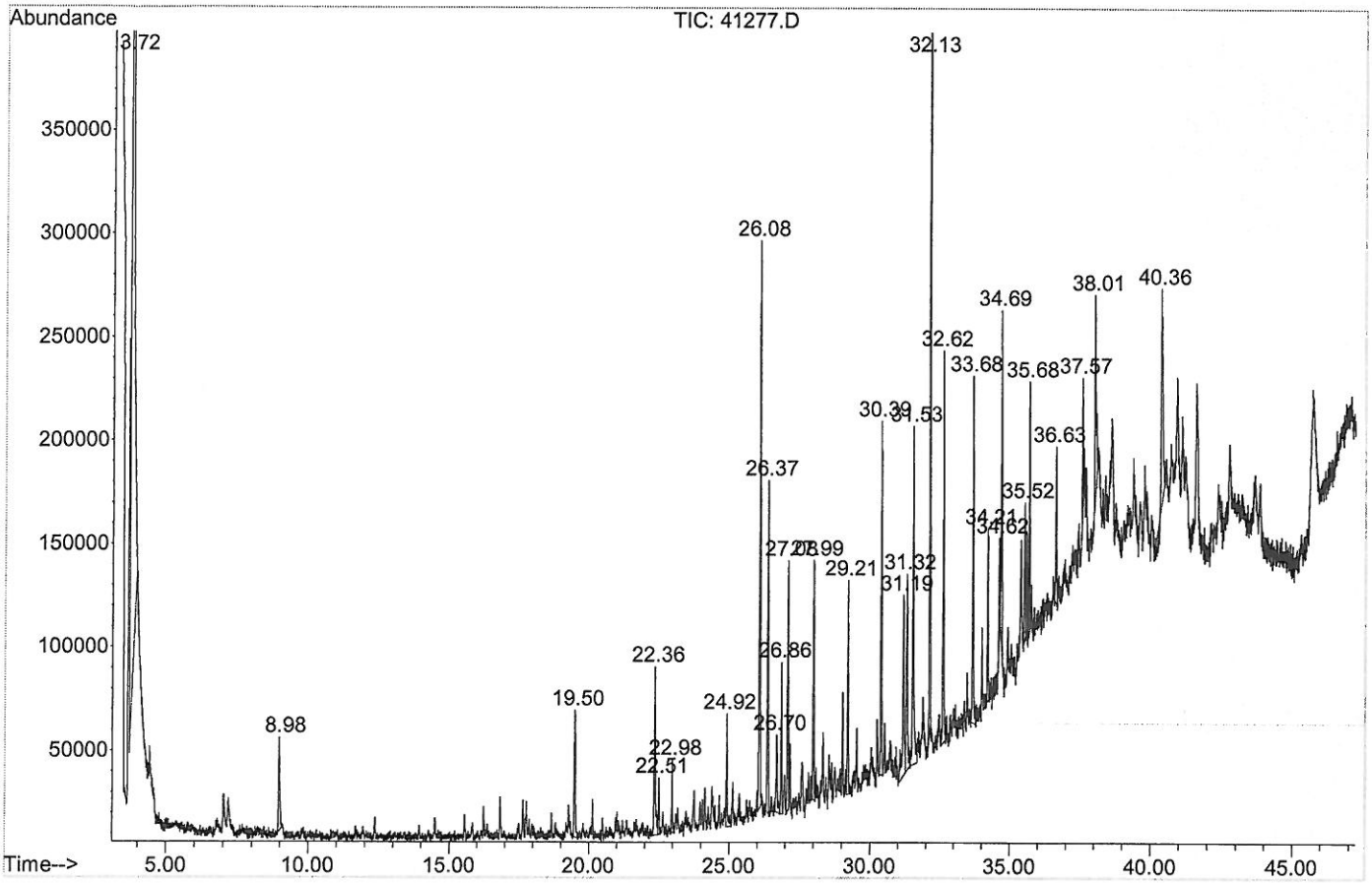

Information from Data File:

File: C:\MSDCHEM\1\DATA\41277.D
Operator: CR
Date Acquired: 10 Dec 2009 22:27
Method File: SCREEN
Sample Name: 10906470-41277
Misc Info:
Vial Number: 5

Search Libraries: C:\DATABASE\wiley275.l Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: Chemstation Integrator - events.e

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.72	29.64	C:\DATABASE\wiley275.l			
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			3-Penten-2-one, 4-methyl- (CAS)...	5701	000141-79-7	90
			3-Penten-2-one, 4-methyl- (CAS)...	5702	000141-79-7	86
2	8.98	1.23	C:\DATABASE\wiley275.l			
			Thiazole, 5-ethyl-2-methyl-4-pr...	54273	004276-67-9	37
			2-Propanone, dibutylhydrazone (...	69116	067660-52-0	32
			Thiazole, 4-ethyl-2,5-dimethyl-...	28696	032272-57-4	27
	19.50	1.62	C:\DATABASE\wiley275.l			
			Dimethyl-1,3-dimethylindol-2-yl...	167653	034203-07-1	83
			1,2:3,4:5,6-Tri-O-isopropyliden...	179526	004239-88-7	53
			1,2:3,4:5,6-Tri-O-isopropyliden...	179525	004239-88-7	50
4	22.36	1.99	C:\DATABASE\wiley275.l			
			Phenanthrene	63079	000085-01-8	93
			Phenanthrene (CAS) $$ Phenanthr...	63071	000085-01-8	91
			Phenanthrene (CAS) $$ Phenanthr...	63073	000085-01-8	90
5	22.51	0.53	C:\DATABASE\wiley275.l			
			Phenanthrene (CAS) $$ Phenanthr...	63062	000085-01-8	87
			Anthracene (CAS) $$ Anthracin $...	63041	000120-12-7	87
			Phenanthrene (CAS) $$ Phenanthr...	63066	000085-01-8	87
6	22.98	0.68	C:\DATABASE\wiley275.l			
			Benzene, 1,3,5-tris(1-methyleth...	89142	000717-74-8	42
			8 EXO-ETHYL-1,5-DIMETHYL-6-METH...	74630	064394-30-5	38
			2-(P-AMINOPHENYL)-3-METHYL-3-PY...	73342	000000-00-0	27
7	24.92	1.15	C:\DATABASE\wiley275.l			
			1,2-Benzenedicarboxylic acid, b...	160075	017851-53-5	83
			1,2-Benzenedicarboxylic acid, b...	160091	000084-69-5	80
			1,2-Benzenedicarboxylic acid, d...	160086	000084-74-2	78
8	26.08	5.83	C:\DATABASE\wiley275.l			
			Sulfur, mol. (S8) (CAS) $$ OCTA...	141270	010544-50-0	95
			Sulfur $$ Sulfur, Precipitated ...	141273	007704-34-9	72
			Manganese, [[1,2-ethanediylbis[...	148441	012427-38-2	72
9	26.37	3.34	C:\DATABASE\wiley275.l			
			Fluoranthene (CAS) $$ 1,2-BENZA...	87342	000206-44-0	95
			Fluoranthene (CAS) $$ 1,2-BENZA...	87343	000206-44-0	94
			Fluoranthene (CAS) $$ 1,2-BENZA...	87348	000206-44-0	93
10	26.70	0.97	C:\DATABASE\wiley275.l			
			HENEICOSANE	175427	000629-94-7	91
			Heneicosane (CAS) $$ n-Heneicosane	175421	000629-94-7	90
			Heneicosane (CAS) $$ n-Heneicosane	175420	000629-94-7	86
11	26.87	1.36	C:\DATABASE\wiley275.l			
			10-Methoxybenz[a]azulen-1,4-dio...	124039	076319-77-2	90
			2-ETHYL-3-PHENYLBENZO(B)THIOPHE...	124434	059855-99-1	83
			.alpha.-(dimethylphenylsilyl)st...	124480	000000-00-0	83
12	27.08	2.45	C:\DATABASE\wiley275.l			
			Pyrene (CAS) $$ .beta.-Pyrene $...	87364	000129-00-0	93
			Pyrene (CAS) $$ .beta.-Pyrene $...	87367	000129-00-0	93

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                 Fluoranthene (CAS) $$ 1,2-BENZA...  87351 000206-44-0 81

13  27.99  2.78 C:\DATABASE\wiley275.l
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                 1,1':3',1''-Terphenyl (CAS) $$ ... 116556 000092-06-8 91
                 1,1':4',1''-Terphenyl (CAS) $$ ... 116558 000092-94-4 91

14  29.21  1.98 C:\DATABASE\wiley275.l
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                 Heneicosane (CAS) $$ n-Heneicosane 175420 000629-94-7 95
                 Tricosane (CAS) $$ n-Tricosane     195915 000638-67-5 93

15  30.39  3.09 C:\DATABASE\wiley275.l
                 Tetracosane (CAS) $$ n-Tetracosane 204922 000646-31-1 98
                 Tetracosane (CAS) $$ n-Tetracosane 204919 000646-31-1 98
                 Tetracosane (CAS) $$ n-Tetracosane 204918 000646-31-1 97

16  31.19  2.65 C:\DATABASE\wiley275.l
                 Triphenylene (CAS) $$ Isochryse... 114775 000217-59-4 96
                 Triphenylene (CAS) $$ Isochryse... 114774 000217-59-4 94
                 Benz[a]anthracene (CAS) $$ 1,2-... 114750 000056-55-3 94

17  31.32  2.53 C:\DATABASE\wiley275.l
                 Chrysene (CAS) $$ Benzo[a]phena... 114764 000218-01-9 95
                 Benz[a]anthracene (CAS) $$ 1,2-... 114753 000056-55-3 95
                 Benz[a]anthracene (CAS) $$ 1,2-... 114757 000056-55-3 93

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                 Pentacosane (CAS) $$ n-Pentacosane 212923 000629-99-2 96
                 Heneicosane (CAS) $$ n-Heneicosane 175417 000629-94-7 96
                 Heneicosane (CAS) $$ n-Heneicosane 175419 000629-94-7 95

19  32.13  7.52 C:\DATABASE\wiley275.l
                 1,2-Benzenedicarboxylic acid, d... 230990 027554-26-3 91
                 1,2-Benzenedicarboxylic acid, b... 230979 000117-81-7 90
                 1,2-Benzenedicarboxylic acid, b... 230978 000117-81-7 90

20  32.62  3.80 C:\DATABASE\wiley275.l
                 Heptadecane (CAS) $$ n-Heptadec... 126475 000629-78-7 97
                 Tricosane (CAS) $$ n-Tricosane     195911 000638-67-5 97
                 Hexacosane (CAS) $$ n-Hexacosane   220199 000630-01-3 96

21  33.68  3.48 C:\DATABASE\wiley275.l
                 Nonadecane (CAS) $$ n-Nonadecane   151982 000629-92-5 96
                 Octadecane (CAS) $$ n-Octadecan... 139434 000593-45-3 95
                 Heptadecane (CAS) $$ n-Heptadec... 126476 000629-78-7 95

22  34.21  1.77 C:\DATABASE\wiley275.l
                 Spiro[acridane-9,9'(10'H)-anthr... 216466 092638-83-0 50
                 2,7-Dimethylspiro[acridane-9,9'... 216470 092638-88-5 50
                 4-(5-Oxo-1-phenyl-3-methyl-2-py... 216336 016394-90-4 45

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                 Benzo[a]pyrene (CAS) $$ 3,4-Ben... 137648 000050-32-8 81
                 Benzo[a]pyrene (CAS) $$ 3,4-Ben... 137649 000050-32-8 81
                 Benzo[e]pyrene (CAS) $$ 4,5-Ben... 137650 000192-97-2 76

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                 Nonadecane, 3-methyl- (CAS) $$ ... 163874 006418-45-7 46
                 Eicosane, 2-methyl- (CAS) $$ 2-... 175408 001560-84-5 45
                 Nonadecane, 2,3-dimethyl-          175426 075163-99-4 42

25  35.52  1.36 C:\DATABASE\wiley275.l
                 Benzo[a]pyrene (CAS) $$ 3,4-Ben... 137648 000050-32-8 86
                 Perylene (CAS) $$ Perilene $$ p... 137664 000198-55-0 83
                 Perylene (CAS) $$ Perilene $$ p... 137660 000198-55-0 64

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                 N-DOCOSANE                         186069 000629-97-0 96
                 Eicosane (CAS) $$ n-Eicosane       163883 000112-95-8 96
                 Nonacosane (CAS) $$ n-Nonacosan... 237993 000630-03-5 96

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                 N-NONADECANE                       152007 000629-92-5 95
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                Octacosane (CAS) $$ n-Octacosane   232588 000630-02-4 95
                Octadecane (CAS) $$ n-Octadecan... 139441 000593-45-3 95

29  38.01  2.59 C:\DATABASE\wiley275.l
                Cholest-5-en-3-ol (3.beta.)- (C... 229288 000057-88-5 92
                Cholest-5-en-3-ol (3.beta.)- (C... 229255 000057-88-5 92
                Cholest-5-en-3-ol (3.beta.)- (C... 229241 000057-88-5 83

30  40.37  2.94 C:\DATABASE\wiley275.l
                (23S)-ethylcholest-5-en-3.beta.... 240252 113845-28-6 98
                Stigmast-7-en-3-ol, (3.beta.,5.... 240214 018525-35-4 83
                (22R,24S)-22,24-Dimethylcholest... 240234 088802-34-0 83

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24.92

Name	1,2-Benzenedicarboxylic acid, dibutyl ester (CAS)
CAS Number	000084-74-2
Entry Number	160079
Molecular Formula	C16H22O4
Misc Information	QI=880, Source=NS-0-0-0
Match Quality	86
Company ID	329304
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	278.15

Name	10-Methoxybenz[a]azulen-1,4-dione $$ Benz[a]azule
CAS Number	076319-77-2
Entry Number	124039
Molecular Formula	C15H10O3
Misc Information	QI=0, Source=K-116-2414-0
Match Quality	90
Company ID	99756
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	238.06

32.13.

Name	1,2-Benzenedicarboxylic acid, diisooctyl ester (C
CAS Number	027554-26-3
Entry Number	230990
Molecular Formula	C24H38O4
Misc Information	QI=489, Source=NS-0-0-0
Match Quality	91
Company ID	310227
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	390.28

38.07

Name	Cholest-5-en-3-ol (3.beta.)- (CAS) $$ Lanol $$ Dy
CAS Number	000057-88-5
Entry Number	229316
Molecular Formula	C27H46O
Misc Information	QI=0, Source=T-67-4746-0, WLN=L E5 B666 LUTJ A B0
Match Quality	83
Company ID	145969
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	386.36

Library Searched : C:\DATABASE\wiley275.l
Quality : 83
ID : Cholest-5-en-3-ol (3.beta.)- (CAS) $$ Lanol $$ Dythol $$ Kathro $$ Dusoran $$ Cordulan $$ Dusoline $$ Hydrocerin $$ Cholesterin $$ Cholesterol $$ Tegolan $$ (-)-Cholesterol $$ Provitamin D $$ Cholesterol base H $$ Wool alcohols B. P. $$ Cholesteryl alcoho

40.37

Name	(23S)-ethylcholest-5-en-3.beta.-ol $$ Cholest-5-e
CAS Number	113845-28-6
Entry Number	240252
Molecular Formula	C29H50O
Misc Information	QI=0, Source=KC-1987-1289-17
Match Quality	99
Company ID	209925
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	414.39

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File        : C:\MSDCHEM\1\DATA\41276.D
Operator    : CR
Acquired    : 10 Dec 2009  21:31     using AcqMethod SCREEN
Instrument  :    Instrumen
Sample Name: 10906470-41276
Misc Info   :
Vial Number: 4
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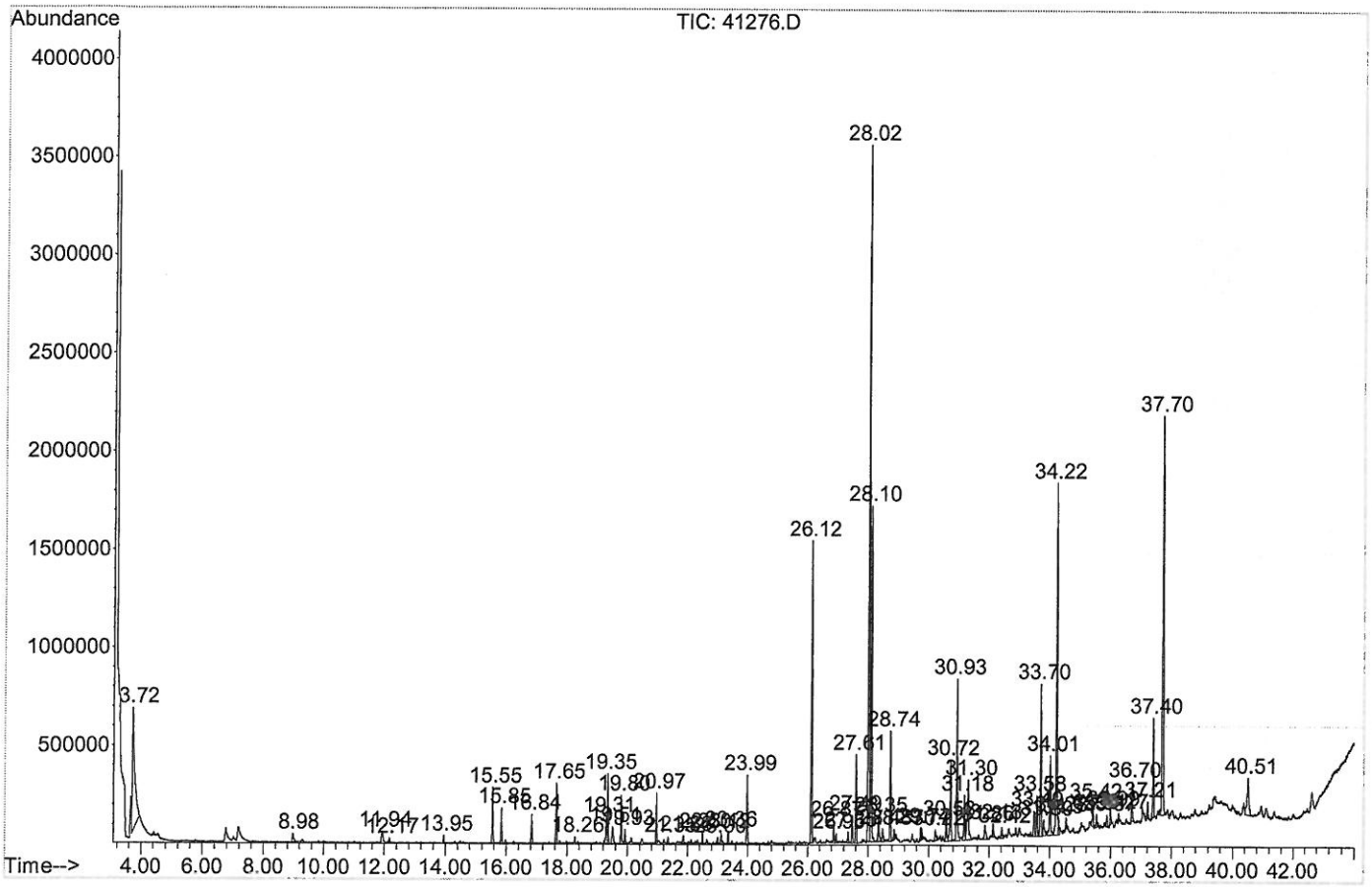

Information from Data File:

File: C:\MSDCHEM\1\DATA\41276.D
Operator: CR
Date Acquired: 10 Dec 2009 21:31
Method File: SCREEN
Sample Name: 10906470-41276
Misc Info:
Vial Number: 4

Search Libraries: C:\DATABASE\wiley275.l Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: Chemstation Integrator - events.e

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.72	6.76	C:\DATABASE\wiley275.l			
			4-METHYL-3-PENTEN-2-ONE	5904	000000-00-0	91
			3-Penten-2-one, 4-methyl- (CAS)...	5701	000141-79-7	90
			3-Hexen-2-one (CAS) $$ 1-Buteny...	5670	000763-93-9	90
2	8.98	0.31	C:\DATABASE\wiley275.l			
			1,3-Benzodioxole, hexahydro-2,2...	42215	005664-14-2	38
			2-Propanone, dibutylhydrazone (...	69116	067660-52-0	17
			Propanal, 2-methyl-, (1-methyle...	69115	075268-02-9	17
	11.94	0.48	C:\DATABASE\wiley275.l			
			Benzenamine, 2,5-dimethyl- (CAS...	15298	000095-78-3	45
			Benzenamine, 2,4-dimethyl- (CAS...	15294	000095-68-1	43
			Benzenamine, 2,4-dimethyl- (CAS...	15292	000095-68-1	43
4	12.17	0.14	C:\DATABASE\wiley275.l			
			octyl acetate	57465	000112-14-1	72
			n-Octyl acetate $$ 1-Octyl acet...	57378	000112-14-1	64
			n-Octyl acetate $$ 1-Octyl acet...	57380	000112-14-1	53
5	13.95	0.16	C:\DATABASE\wiley275.l			
			Tridecane (CAS) $$ n-Tridecane ...	69456	000629-50-5	94
			TRIDECANE	69549	000000-00-0	93
			Tridecane (CAS) $$ n-Tridecane ...	69458	000629-50-5	93
6	15.55	1.22	C:\DATABASE\wiley275.l			
			1,1'-Biphenyl (CAS) $$ Biphenyl...	40952	000092-52-4	94
			1,1'-BIPHENYL	40982	000000-00-0	91
			1,1'-Biphenyl (CAS) $$ Biphenyl...	40950	000092-52-4	87
7	15.85	0.66	C:\DATABASE\wiley275.l			
			Tetradecane (CAS) $$ n-Tetradec...	83536	000629-59-4	97
			Tetradecane (CAS) $$ n-Tetradec...	83548	000629-59-4	97
			Tetradecane (CAS) $$ n-Tetradec...	83545	000629-59-4	97
8	16.84	0.62	C:\DATABASE\wiley275.l			
			5,8-Dimethylquinoxaline $$ Quin...	44161	064931-22-2	87
			3-cyano-4-isopropenyl-5-methylp...	44134	085170-34-9	83
			1,4-Naphthalenediamine $$ 1,4-D...	44166	002243-61-0	70
9	17.65	1.13	C:\DATABASE\wiley275.l			
			Pentadecane (CAS) $$ n-Pentadec...	98301	000629-62-9	98
			Pentadecane (CAS) $$ n-Pentadec...	98308	000629-62-9	97
			Pentadecane (CAS) $$ n-Pentadec...	98312	000629-62-9	95
10	18.26	0.13	C:\DATABASE\wiley275.l			
			1,1'-Biphenyl, 4,4'-dimethyl- (...	67428	000613-33-2	95
			1,1'-Biphenyl, 4,4'-dimethyl- (...	67431	000613-33-2	94
			1,1'-Biphenyl, 2,3'-dimethyl- (...	67420	000611-43-8	93
11	19.31	0.58	C:\DATABASE\wiley275.l			
			[1,1'-Biphenyl]-2-amine (CAS) $...	54422	000090-41-5	90
			8-deutero-6,7-benzotricyclo[3.2...	53966	129956-29-2	83
			Benzenamine, N-phenyl- (CAS) $$...	54418	000122-39-4	74
12	19.35	1.34	C:\DATABASE\wiley275.l			
			Hexadecane (CAS) $$ n-Hexadecan...	112851	000544-76-3	97
			HEXADECANE	112890	000000-00-0	97

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                Hexadecane (CAS) $$ n-Hexadecan... 112849 000544-76-3 96

13  19.51  0.57 C:\DATABASE\wiley275.l
                D-Mannitol, 1,2:3,4:5,6-tris-O-... 179519 003969-59-3 27
                Diethyl 1,2,4,6-Thiatriazine-3,... 130022 128143-63-5 27
                .beta.-D-Fructopyranose, 2,3:4,... 143876 020880-92-6 25

14  19.79  0.96 C:\DATABASE\wiley275.l
                Benzenamine, N-phenyl- (CAS) $$...  54414 000122-39-4 91
                Benzenamine, N-phenyl- (CAS) $$...  54411 000122-39-4 83
                Benzenamine, N-phenyl- (CAS) $$...  54410 000122-39-4 83

15  19.92  0.29 C:\DATABASE\wiley275.l
                1,1'-Biphenyl, 2,4'-dimethyl- (...  67421 000611-61-0 97
                1,1'-Biphenyl, 2,3'-dimethyl- (...  67420 000611-43-8 97
                1,1'-Biphenyl, 3,3'-dimethyl- (...  67424 000612-75-9 95

16  20.97  0.91 C:\DATABASE\wiley275.l
                Heptadecane (CAS) $$ n-Heptadec... 126478 000629-78-7 96
                Heptadecane (CAS) $$ n-Heptadec... 126473 000629-78-7 96
                Heptadecane (CAS) $$ n-Heptadec... 126477 000629-78-7 95

17  21.35  0.12 C:\DATABASE\wiley275.l
                4,6-DIFLUORO-2-AMINOPYRIMIDINE      21331 000675-11-6 38
                4-Pyrimidinamine, 2,6-difluoro-     21332 000675-12-7 38
                Silane, [(dimethylsilyl)methyl]...  32259 001189-75-9 35

    21.86  0.19 C:\DATABASE\wiley275.l
                2-Phenyl-4-propylpyridine           81959 000000-00-0 90
                [1,1'-Biphenyl]-3-amine (CAS) $...  54424 002243-47-2 41
                Pyridine, 4-(phenylmethyl)- $$ ...  54405 002116-65-6 38

19  22.50  0.22 C:\DATABASE\wiley275.l
                Octadecane (CAS) $$ n-Octadecan... 139443 000593-45-3 93
                Octadecane (CAS) $$ n-Octadecan... 139436 000593-45-3 91
                Octadecane (CAS) $$ n-Octadecan... 139444 000593-45-3 91

20  23.00  0.16 C:\DATABASE\wiley275.l
                2,3-DIMETHYL-4-AMINOBIPHENYL        81956 000000-00-0 64
                Benzenamine, 2-methyl-N-(2-meth...  81954 000617-00-5 64
                4,5-Dimethyl-2-phenylaniline $$...  81957 073006-77-6 64

21  23.12  0.24 C:\DATABASE\wiley275.l
                Benzenamine, 2-methyl-N-(2-meth...  81954 000617-00-5 53
                Pyridine, 3-(2,4,6-trimethylphe...  81935 075601-34-2 50
                2,2':5',2'-terpyrrole               81820 003260-45-5 50

22  23.36  0.28 C:\DATABASE\wiley275.l
                Pyridine, 3-(2,4,6-trimethylphe...  81934 075601-34-2 87
                4,5-Dimethyl-2-phenylaniline $$...  81957 073006-77-6 86
                Pyridine, 3-(2,4,6-trimethylphe...  81935 075601-34-2 78

23  23.98  1.47 C:\DATABASE\wiley275.l
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                1,1':2',1''-Terphenyl (CAS) $$ ... 116546 000084-15-1 96
                1,1':2',1''-Terphenyl (CAS) $$ ... 116550 000084-15-1 96

24  26.12  6.39 C:\DATABASE\wiley275.l
                2-(2-Methylpyrrol-3-yl)-3-methy... 109187 087032-91-5 83
                1-[4-Methyl-2-(2-thienyl)-5-thi... 108814 056421-61-5 72
                2-(2-Aminophenyl)indole $$ Benz...  93908 032566-01-1 43

25  26.87  0.45 C:\DATABASE\wiley275.l
                Benzenamine, N,N-diphenyl- (CAS... 130439 000603-34-9 70
                2'-PHENYL PYROLLO(4,5-A)-3,4-DI... 130443 074235-57-7 64
                2H-1-(cyclohepta[b]pyrrol-2-yl)... 130386 000000-00-0 53

26  26.95  0.23 C:\DATABASE\wiley275.l
                5-METHYLDIBENZ(6,F)AZAPINE-10-ONE  109261 000000-00-0 43
                9H-Carbazole-2-ethanamine, 3-et... 150168 055044-78-5 37
                5-AMINO-4-CYANO-1-PHENYL-3-PYRA... 108997 000000-00-0 30

27  27.35  0.29 C:\DATABASE\wiley275.l
                (3aS,9aS,9bR)-6,6,9aa-trimethyl... 108395 082079-83-2 93
                cis-2,4,6-trimethylstilbene $$ ... 108724 020488-50-0 58
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                trans-2,4,6-trimethylstilbene $... 108725 017024-58-7 58

28  27.49  0.61 C:\DATABASE\wiley275.l
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                1,1':3',1''-Terphenyl (CAS) $$ ... 116556 000092-06-8 94
                1,1':4',1''-Terphenyl (CAS) $$ ... 116559 000092-94-4 94

29  27.61  1.95 C:\DATABASE\wiley275.l
                1H-Indole-3-butanoic acid, 1-me... 130235 040547-43-1 95
                Benzenamine, N,N-diphenyl- (CAS... 130439 000603-34-9 91
                3-DIPHENYLMETHYLPYRIDINE           130444 000000-00-0 87

30  28.02 16.40 C:\DATABASE\wiley275.l
                1,1':4',1''-Terphenyl (CAS) $$ ... 116561 000092-94-4 95
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                1,1':4',1''-Terphenyl (CAS) $$ ... 116558 000092-94-4 94

31  28.10  7.32 C:\DATABASE\wiley275.l
                5-Methyl-2-N-methylaminobenzoph... 111437 000000-00-0 58
                Benzenamine, N,N-dimethyl-4-(ph... 111361 000060-11-7 46
                2-Benzoyl-N,4-dimethylaniline $... 111409 039106-78-0 43

32  28.35  0.65 C:\DATABASE\wiley275.l
                Benzenamine, N,N-diphenyl- (CAS... 130439 000603-34-9 94
                2H-1-(cyclohepta[b]pyrrol-2-yl)... 130386 000000-00-0 78
                MIXTURE OF 2-ETHYL-6-(2'-THIENY... 130174 070118-57-9 64

    28.48  0.33 C:\DATABASE\wiley275.l
                Benzenamine, N,N-dimethyl-4-(ph... 111362 000060-11-7 83
                3,7-dinitrothieno[3,2-b]pyridin... 110927 126940-50-9 78
                3-DEUTEROPHENYL-4-PHENYLPYRAZOLE   105684 024768-85-2 72

34  28.74  2.38 C:\DATABASE\wiley275.l
                12-Phenyl-8-oxatetracyclo[7.5.0... 142963 000000-00-0 83
                Diazene, [1,1'-biphenyl]-4-ylph... 142873 007466-42-4 58
                1,2-dihydro-7,12-dimethylbenz[a... 143033 000000-00-0 43

35  28.87  0.20 C:\DATABASE\wiley275.l
                Benzenamine, N,N-diphenyl- (CAS... 130439 000603-34-9 70
                2-METHYL-4,6-DIPHENYL PYRIDINE ... 130441 001912-16-9 64
                Benzenamine, N,N-diphenyl- (CAS... 130440 000603-34-9 58

36  29.74  0.25 C:\DATABASE\wiley275.l
                Benz[a]anthracene, 5,6-dihydro-... 143012 035281-29-9 76
                Benz[3,4]anthra[1,2-b]oxirene, ... 142954 001155-38-0 72
                E-1-(9'-Fluorenylidene)-2-cyano... 142894 000000-00-0 72

37  29.77  0.26 C:\DATABASE\wiley275.l
                DIHYDROLINDERALACTONE $$ 4,7-Me... 131289 000728-60-9 95
                1,1'-Biphenyl, phenoxy- (CAS) $... 131617 028984-89-6 93
                [1,1':3',1''-Terphenyl]-2'-ol (... 131607 002432-11-3 93

38  30.22  0.23 C:\DATABASE\wiley275.l
                6-Cyano-4-methylbenzo[b]naphtho... 156061 089817-41-4 74
                Crinan-3-ol,(3.beta.-              155968 000000-00-0 58
                1-Methoxy-9H-tribenz[b,d,f]azepine 156103 000000-00-0 47

39  30.58  0.53 C:\DATABASE\wiley275.l
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                2-METHYL-4,6-DIPHENYL PYRIDINE ... 130441 001912-16-9 72
                Benzenamine, N,N-diphenyl- (CAS... 130440 000603-34-9 72

40  30.72  2.15 C:\DATABASE\wiley275.l
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                3-DIPHENYLMETHYLPYRIDINE           130444 000000-00-0 81
                2H-1-(cyclohepta[b]pyrrol-2-yl)... 130386 000000-00-0 72

41  30.93  3.78 C:\DATABASE\wiley275.l
                4-Hexen-2-yn-1-one, 1-phenyl-5-... 138154 029743-43-9 53
                2,6-Dimethyl-3-(methoxymethyl)-... 138167 014033-86-4 47
                4-Hexen-2-yn-1-one, 1-phenyl-5-... 138153 029743-43-9 38

42  31.18  1.08 C:\DATABASE\wiley275.l
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                Benzenamine, N,N-diphenyl- (CAS... 130440 000603-34-9 90
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                10,11-dihydro-2-hydroxydibenz[b... 130216 000000-00-0 72

43  31.30  2.03 C:\DATABASE\wiley275.l
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                Triphenylene (CAS) $$ Isochryse... 114775 000217-59-4 90
                Benz[a]anthracene (CAS) $$ 1,2-... 114753 000056-55-3 89

44  31.86  0.50 C:\DATABASE\wiley275.l
                6-Cyano-3,4-diamino-2,5-dipheny... 167067 085731-35-7 83
                XYLOMETAZOLINE ACETATE             167132 000000-00-0 56
                Diazene, 1,1'-(1,4-phenylene)bi... 167062 001161-45-1 47

45  32.13  0.28 C:\DATABASE\wiley275.l
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                1,2-Benzenedicarboxylic acid, d... 230965 000117-84-0 53
                1,2-Benzenedicarboxylic acid, d... 230960 025724-58-7 50

46  32.42  0.28 C:\DATABASE\wiley275.l
                2',2'-DIMETHYL-3'-PHENYL-(2H)-5... 156105 074235-53-3 58
                3-(2,5-dimethylphenyl)-5H-pyrro... 156097 099113-92-5 49
                8-Hydroxybenz[a]anthracene-7,12... 156981 068796-70-3 46

47  33.49  0.64 C:\DATABASE\wiley275.l
                6-Cyano-4-methylbenzo[b]naphtho... 156061 089817-41-4 53
                6-Cyano-2-methylbenzo[b]naphtho... 156062 089817-42-5 50
                (4AS,10BS)-5-ACETYL-9-METHOXY-1... 156004 060942-18-9 47

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                6,9-dimethyl-7,8-diphenylbenzoc... 202599 107319-76-6 50
                7,8-dimethyl-6,9-diphenylbenzoc... 202600 107319-77-7 50
                Benzene, 1-methyl-2-(triphenylm... 202589 024523-62-4 47

49  33.70  3.45 C:\DATABASE\wiley275.l
                1,1':2',1''-Terphenyl, 4'-pheny... 183220 001165-53-3 99
                1,1':2',1'':4'',1'''-Quaterphen... 183218 001165-58-8 99
                1,1':2',1'':3'',1'''-Quaterphen... 183217 001165-57-7 99

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                1,1':2',1'':3'',1'''-Quaterphen... 183217 001165-57-7 96
                1,1':2',1'':4'',1'''-Quaterphen... 183218 001165-58-8 95
                1,1':2',1''-Terphenyl, 4'-pheny... 183220 001165-53-3 91

51  34.01  1.97 C:\DATABASE\wiley275.l
                2- and 4-Acetoxy-2,6,6-trimethy...  99588 069204-83-7 22
                3-(5,6-2H2)Deazauracil $$ 2(1H)...  10147 088278-25-5 18
                1-METHYL-3-METHOXY-V-TRIAZOLE $...  11252 004918-01-8 18

52  34.22  7.94 C:\DATABASE\wiley275.l
                2- and 4-Acetoxy-2,6,6-trimethy...  99588 069204-83-7 16
                1,2,4,5-Tetrazine, 1,4-dibutylh...  84771 035035-70-2 14
                1-n-propoxy-1-cyclopropylpentan...  55832 094883-97-3 10

53  34.28  0.44 C:\DATABASE\wiley275.l
                N-cyclooctylboryl-4,5-diethyl-2... 179030 107098-43-1 49
                CARBAMAZEPINE-10,11-DIHYDRODIOL    153194 000000-00-0 44
                4-Methylcarbazole $$ 9H-Carbazo...  65892 003770-48-7 42

54  34.54  0.05 C:\DATABASE\wiley275.l
                3'-METHYL-1'-PHENYLSPIRO(INDOLI... 159303 058620-66-9 72
                3-(4-methylphenyl)-4H-[1]benzop... 159296 064517-79-9 59
                ent-3.alpha.,10.beta.-dihydroxy... 210284 127472-70-2 47

55  35.42  0.55 C:\DATABASE\wiley275.l
                1-(4,4-Dimethyl-2-oxazolino)-4-... 179207 000000-00-0 64
                N-cyclooctylboryl-4,5-diethyl-2... 179030 107098-43-1 47
                benzyl  3-(2-methoxycarbonyleth... 179003 051671-83-1 38

56  35.54  0.28 C:\DATABASE\wiley275.l
                Tetrahydroindeno-3,5-diphenyl-1... 202563 074356-59-5 47
                1,1'-Biphenyl, 3,3',4,4',5,5'-h... 202092 056772-00-0 25
                Tetrahydroeriostonol $$ 2H,6H-B... 202261 026537-39-3 15

57  35.87  0.29 C:\DATABASE\wiley275.l
                Sessiflorine $$ Pyrrolo[2,1-b]q... 193650 025662-85-5 89
                1,3-DIPHENYL-1H-PYRAZOLO(3,4-B)... 193767 000000-00-0 59
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                 2,6-Diphenyl-4-(p-methoxyphenyl... 193790 000000-00-0 59

58  36.00  0.33 C:\DATABASE\wiley275.l
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                 1,3-DIPHENYL-1H-PYRAZOLO(3,4-B)... 193767 000000-00-0 53
                 5,6,10-Trimethoxy-7H-dibenzo(de... 193636 088741-68-8 50

59  36.27  0.18 C:\DATABASE\wiley275.l
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                 N-propyl-2,5-bis(p-methoxypheny... 193738 127839-56-9 50
                 indo[2',3':3,4]pyrido[2,1-b]-qu... 193578 095312-98-4 50

60  36.70  0.84 C:\DATABASE\wiley275.l
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                 5,6,10-Trimethoxy-7H-dibenzo(de... 193636 088741-68-8 59
                 8,11-dimethyl-9,10-diphenyldicy... 194657 102860-09-3 59

61  37.22  0.23 C:\DATABASE\wiley275.l
                 1,1':3',1''-Terphenyl, 5'-pheny... 183229 000612-71-5 99
                 1,1':3',1''-Terphenyl, 5'-pheny... 183230 000612-71-5 98
                 1,1':3',1'':4'',1'''-Quaterphen... 183226 001166-19-4 97

62  37.40  2.18 C:\DATABASE\wiley275.l
                 [4](1,1')[4](3,3')[3](4,5')Ferr... 202407 062728-79-4 43
                 5,6-dihydro-2,3-dimethoxy-8H-is... 202227 111623-19-9 43
                 ent-3.alpha.,19-Dihydroxybeyer-... 202291 082053-52-9 37

    37.70 10.04 C:\DATABASE\wiley275.l
                 1,1':3',1'':3'',1'''-Quaterphen... 183225 001166-18-3 97
                 1,1':3',1'':4'',1'''-Quaterphen... 183227 001166-19-4 96
                 1,1':3',1'':4'',1'''-Quaterphen... 183226 001166-19-4 95

64  40.51  1.66 C:\DATABASE\wiley275.l
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                 8-methoxy-6,11-dimethyl-2-nitro... 193640 110038-69-2 53
                 8,11-dimethyl-9,10-diphenyldicy... 194657 102860-09-3 53

                 Fri Dec 11 15:10:46 2009
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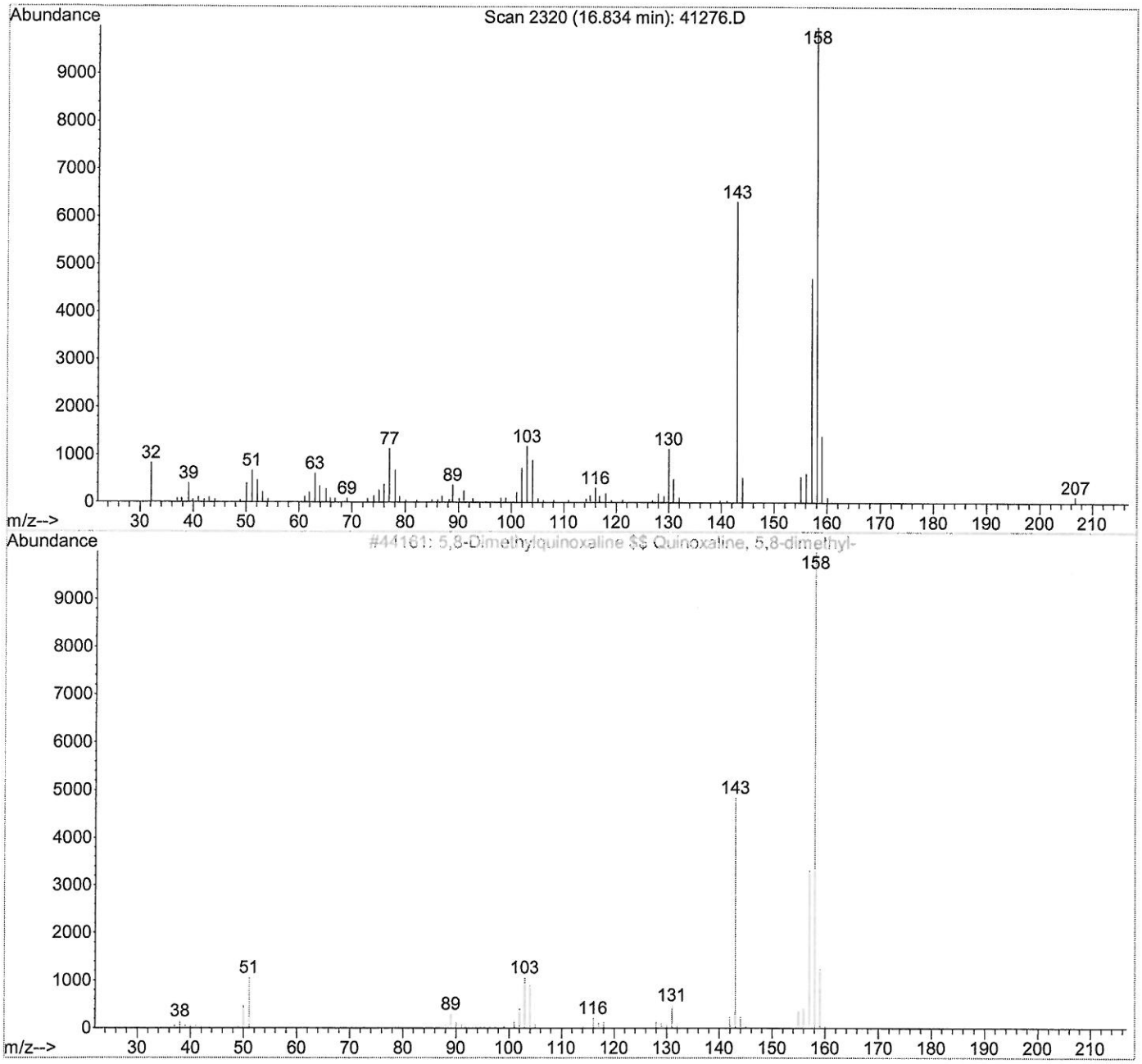
16.84

Name	5,8-Dimethylquinoxaline $$ Quinoxaline, 5,8-dimet
CAS Number	064931-22-2
Entry Number	44161
Molecular Formula	C10H10N2
Misc Information	QI=900, Source=NS-0-0-0
Match Quality	94
Company ID	269130
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	158.08

Library Searched : C:\DATABASE\wiley275.l
Quality : 94
ID : 5,8-Dimethylquinoxaline $$ Quinoxaline, 5,8-dimethyl-



18.26

Name	1,1'-Biphenyl, 4,4'-dimethyl- (CAS) $$ 4,4'-Dimet
CAS Number	000613-33-2
Entry Number	67428
Molecular Formula	C14H14
Misc Information	QI=900, Source=NS-0-0-0
Match Quality	95
Company ID	325978
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	182.11

19.31

Name	[1,1'-Biphenyl]-2-amine (CAS) $$ o-Aminobiphenyl
CAS Number	000090-41-5
Entry Number	54422
Molecular Formula	C12H11N
Misc Information	QI=724, Source=NS-0-0-0
Match Quality	90
Company ID	272044
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	169.09

23.36

Name	Pyridine, 3-(2,4,6-trimethylphenyl)- (CAS) $$ 3-(
CAS Number	075601-34-2
Entry Number	81934
Molecular Formula	C14H15N
Misc Information	QI=190, Source=H-61-2944-4
Match Quality	87
Company ID	91656
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	197.12

26.87

Name	Benzenamine, N,N-diphenyl- (CAS) $$ Triphenylamin
CAS Number	000603-34-9
Entry Number	130439
Molecular Formula	C18H15N
Misc Information	QI=829, Source=MV-1986-152-0
Match Quality	70
Company ID	101013
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	245.12

27.55

Name	(3aS,9aS,9bR)-6,6,9aa-trimethyl-cis-perhydronapht
CAS Number	082079-83-2
Entry Number	108395
Molecular Formula	C15H26O
Misc Information	QI=763, Source=HC-19-255-0
Match Quality	93
Company ID	185684
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	222.20

28.74

Name	12-Phenyl-8-oxatetracyclo[7.5.0.0(2,7).0(9,12)]te
CAS Number	000000-00-0
Entry Number	142963
Molecular Formula	C19H14O
Misc Information	QI=0, Source=AJ-63-3052-7
Match Quality	83
Company ID	234199
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	258.10

31.86

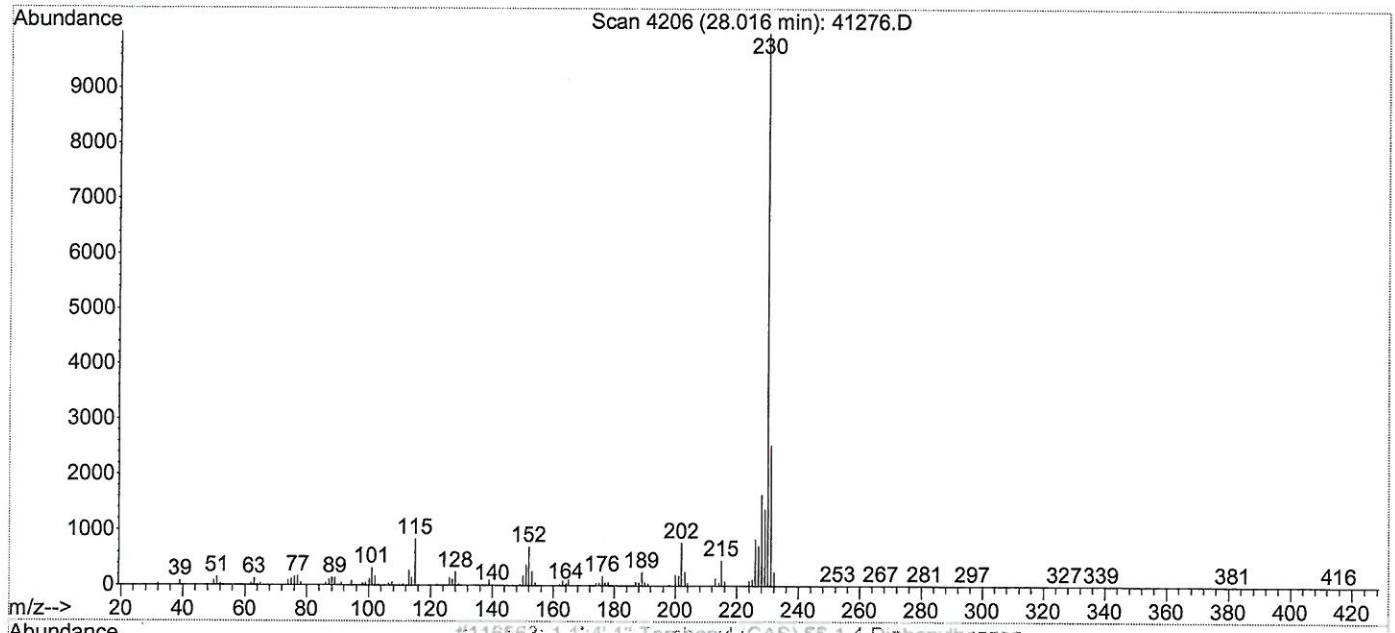
Name	6-Cyano-3,4-diamino-2,5-diphenylpyridine $$ 2-Pyr
CAS Number	085731-35-7
Entry Number	167067
Molecular Formula	C18H14N4
Misc Information	QI=0, Source=Y-19-1487-0
Match Quality	83
Company ID	108067
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	286.12

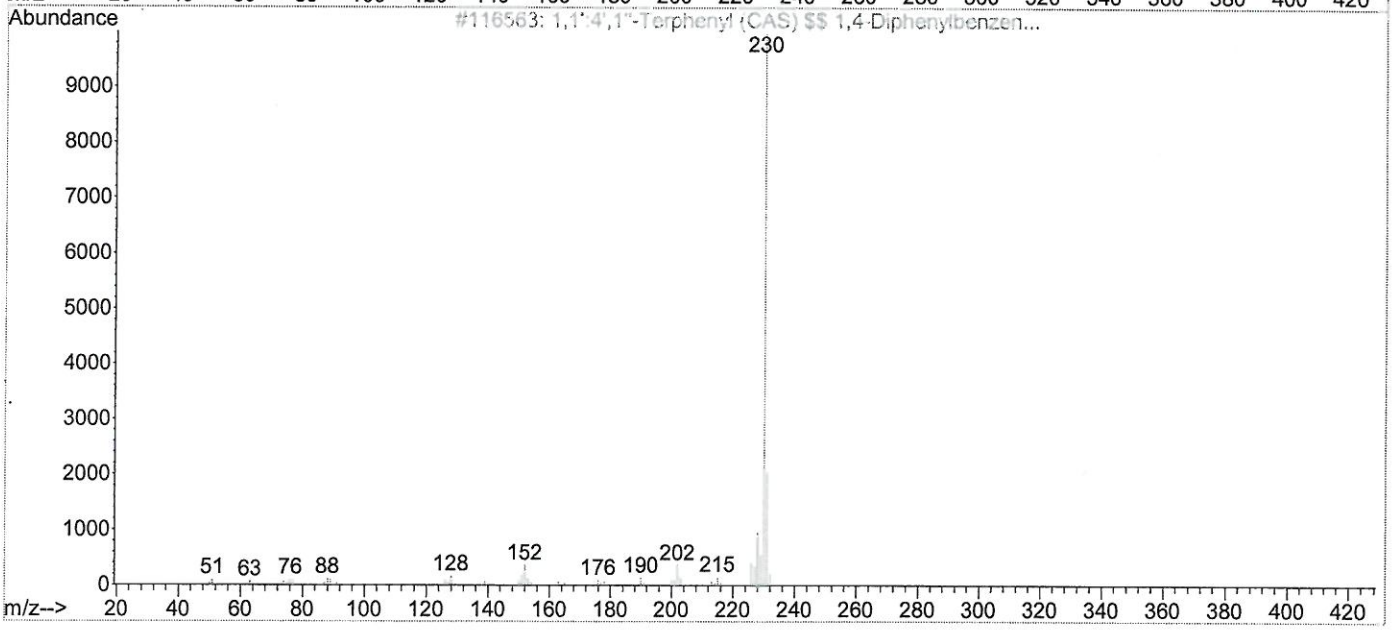
35.87

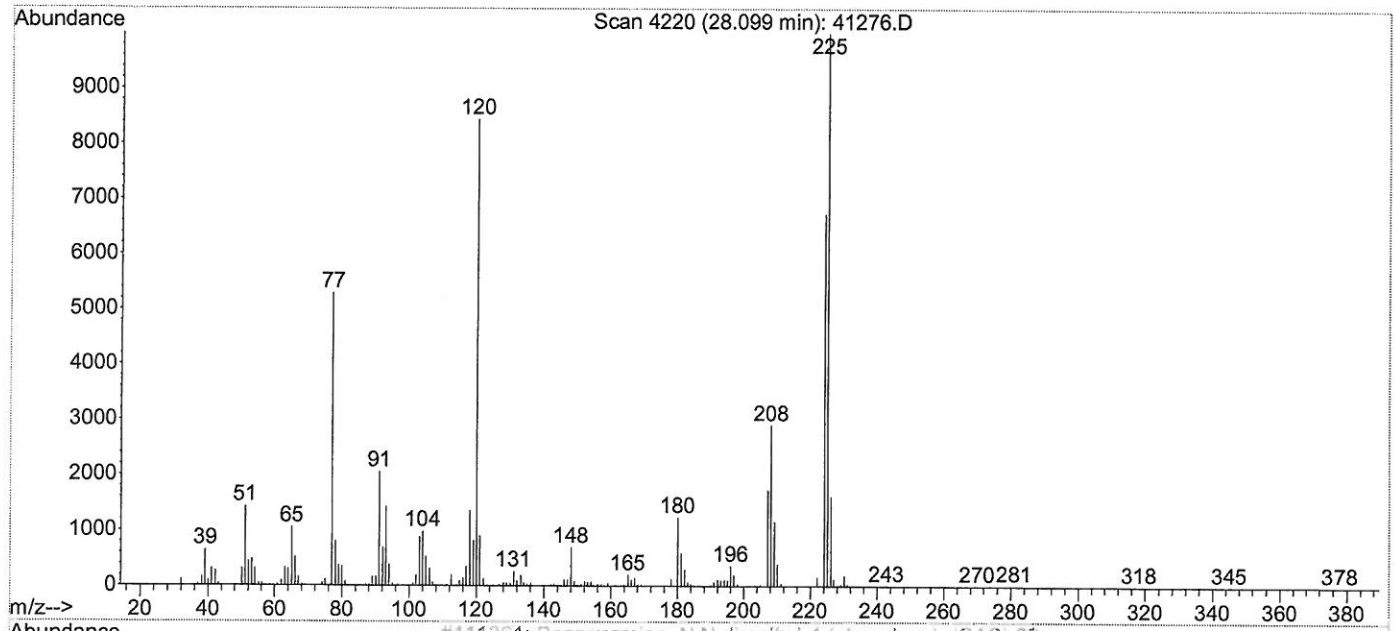
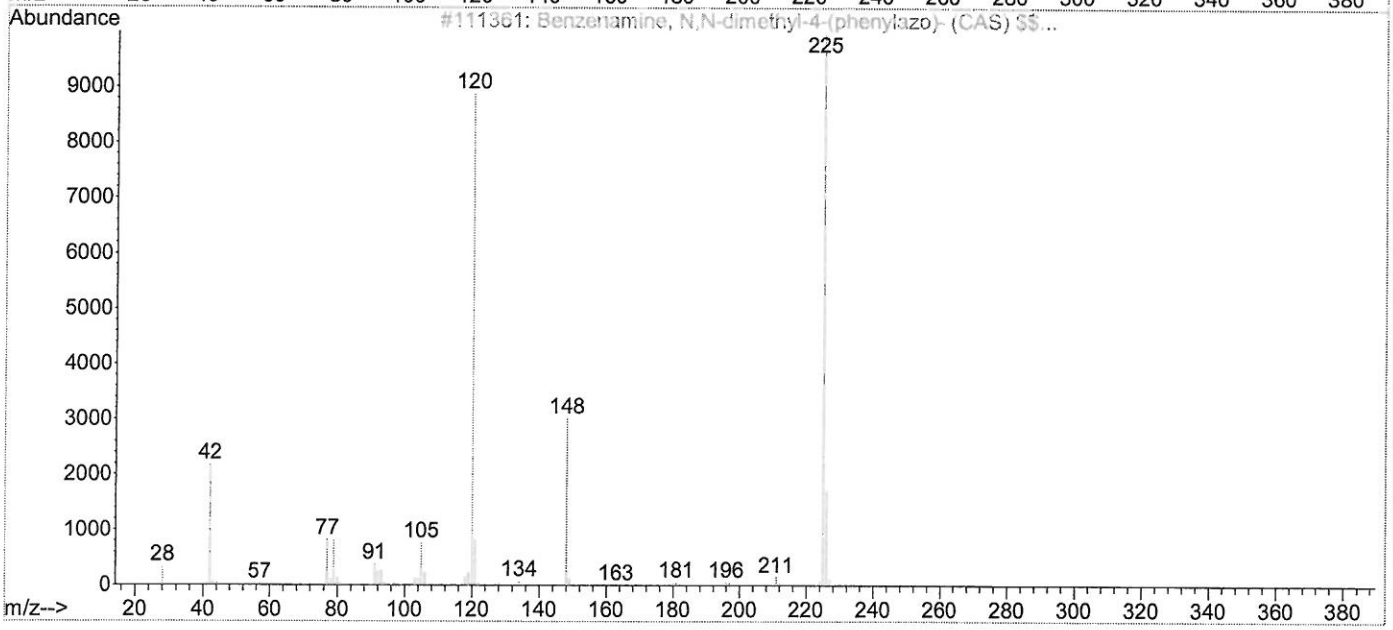
Name	Sessiflorine $$ Pyrrolo[2,1-b]quinazolin-9(1H)-on
CAS Number	025662-85-5
Entry Number	193650
Molecular Formula	C19H19N3O2
Misc Information	QI=460, Source=NS-0-0-0
Match Quality	86
Company ID	302828
Retention Index	0
Melting Point	
Boiling Point	
Molecular Weight	321.15

Ret. zeit 28.02

Library Searched : C:\DATABASE\wiley275.l
Quality : 97
ID : 1,1':4',1''-Terphenyl (CAS) $$ 1,4-Diphenylbenzene $$ Santowax P $$ p-Terphenyl $$ p-Triphenyl $$ p-Diphenylbenzene $$ 1,1'-Biphenyl, 4-phenyl- $$ 1,1':4',1"-Terphenyl $$ 4-Phenylbiphenyl $$ 4-Phenyldiphenyl $$ Biphenyl, 4-phenyl-





Ret. zeit 28.10

Library Searched : C:\DATABASE\wiley275.l
Quality : 46
ID : Benzenamine, N,N-dimethyl-4-(phenylazo)- (CAS) $$ 4-DIMETHYLAMINO-AZOBENZENE $$ DAB $$ DMAB $$ C.I. 11020 $$ Fat Yellow $$ Tranlisant $$ Oil Yellow $$ Fat Yellow R $$ Oil Yellow N $$ Sudan Yellow $$ Oil Yellow D $$ Fat Yellow A $$ Oil Yellow 20 $$ Oil Yel