

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/28/2002 Time: 15:29:17

Sample: AD31639
Analysis: \$GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/28/02 15:28 Ended: 1/28/02 15:28 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		94		5.0

Comments for Sample AD31639 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L.

Date: 01-28-2002 Time: 15:29:20

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

The recoveries for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D

Vial: 2

Acq On : 17 Jan 2002 3:39 pm

Operator:

Sample : 508 scan

Inst : Instrumen

Misc : January 17, 2002

Multiplr: 1.00

MS Integration Params: SPLIT.P

Quant Time: Jan 22 08:30:10 2002

Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)

Title : 508 scan method

Last Update : Fri Jan 11 13:20:07 2002

Response via : Initial Calibration

DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1135277	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5015475	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2667300	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4521986	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	3808527	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2735368	20.00	ug/L	0.00

System Monitoring Compounds

37) 2,4-DDD	27.73	235	336185	4.70	ug/L	0.00
Spiked Amount	5.000		Recovery	=	94.00%	

Target Compounds

						Qvalue
2) n-Nitrosodimethylamine	3.60	74	12658	0.26	ug/L	# 14
20) Dimethylphthalate	18.34	163	427967	2.43	ug/L	# 56
21) 2,6-Dinitrotoluene	18.34	165	337638	9.83	ug/L	# 17
35) Di-n-butylphthalate	24.85	149	103010	0.35	ug/L	95
42) Bis(2-ethylhexyl)phthalate	31.11	149	9578	0.60	ug/L	96

(#) = qualifier out of range (m) = manual integration

31639.D SCAN508.M

Tue Jan 22 08:30:11 2002

Page 1

Quantitation Report

(Not Reviewed)

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Misc : January 17, 2002

Multiplr: 1.00

MS Integration Params: SPLIT.P

Quant Time: Jan 22 8:30 2002

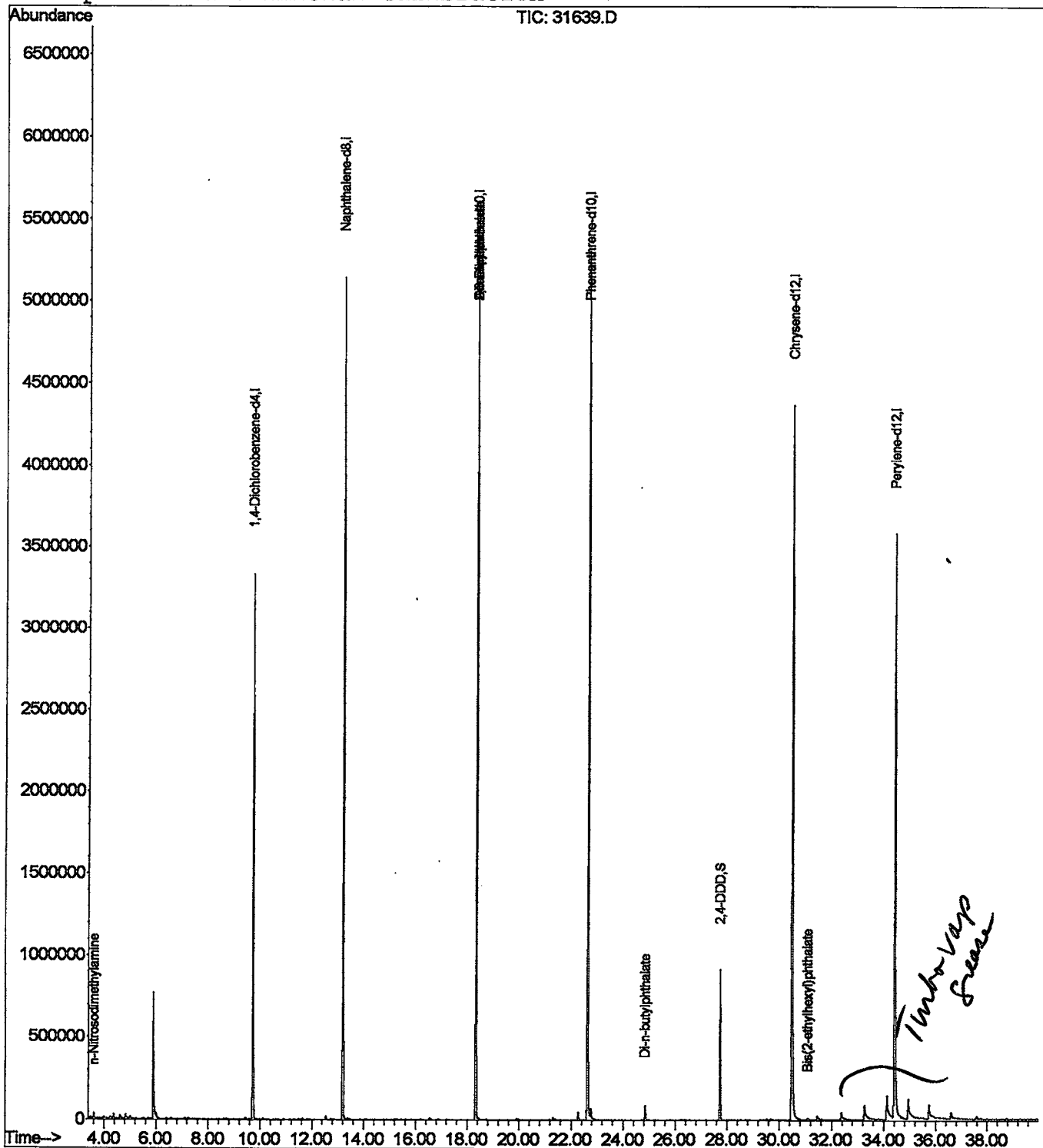
Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)

Title : 508 scan method

Last Update : Fri Jan 11 13:20:07 2002

Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
 Acq On : 17 Jan 2002 3:39 pm
 Sample : 508 scan
 Misc : January 17, 2002
 MS Integration Params: LSCINT.P

Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Smoothing : OFF
 Sampling : 2
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 100 Area counts
 Max Peaks: 20
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

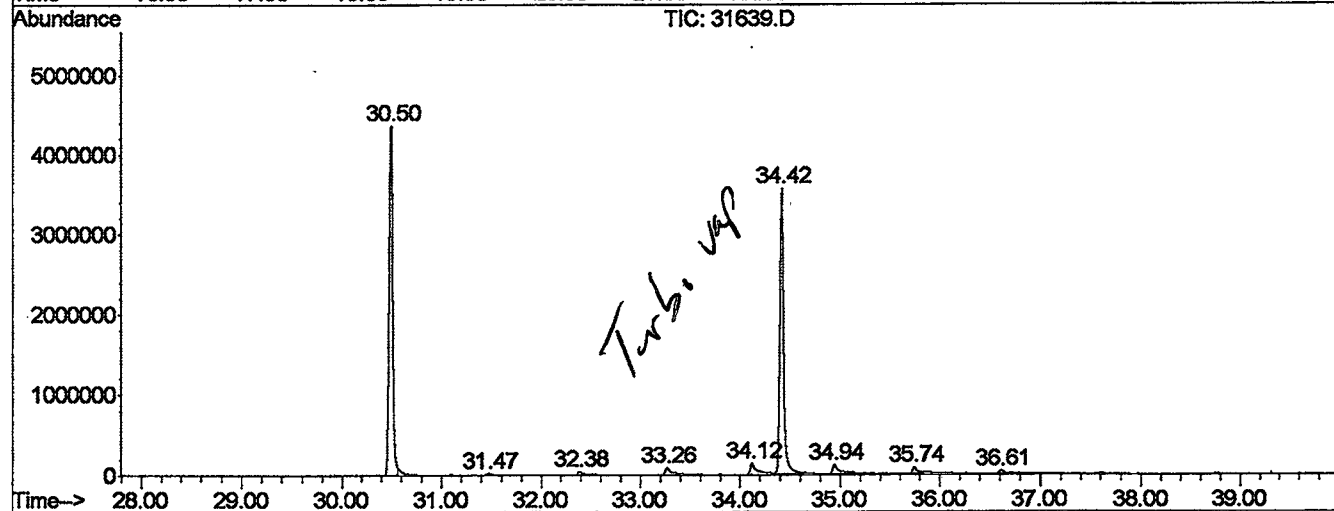
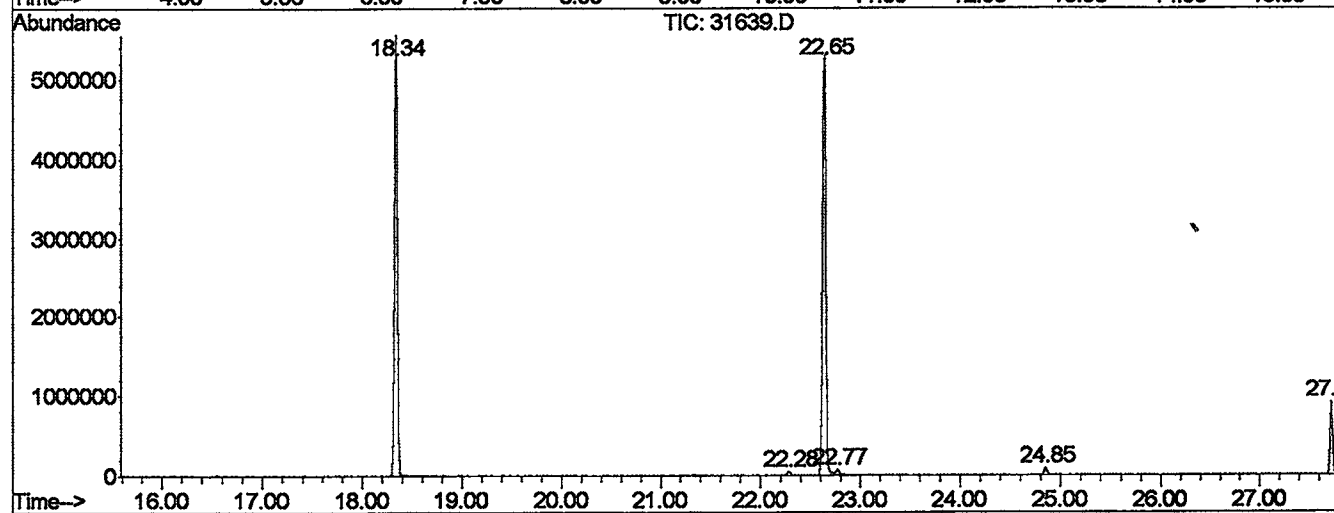
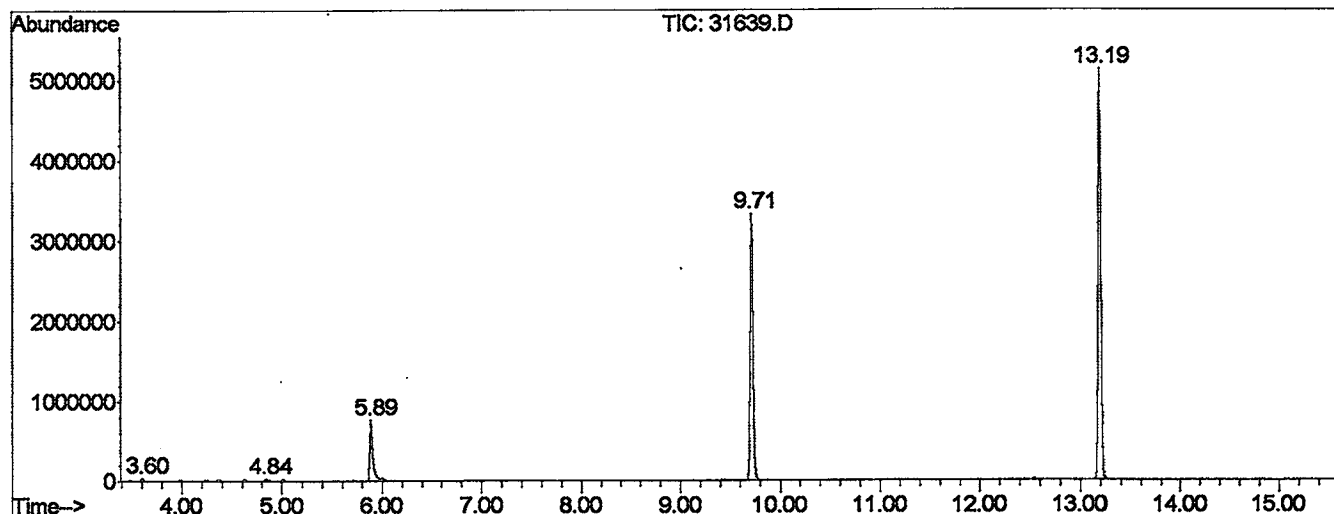
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	17	20	25	rVV	37241	55890	0.46%	0.085%
2	4.835	123	128	139	rVV2	26917	74227	0.62%	0.113%
3	5.885	217	220	243	rVV	768383	1639028	13.63%	2.496%
4	9.710	551	555	561	rVV	3332474	6496952	54.04%	9.895%
5	13.192	855	860	865	rBV	5136105	9620328	80.02%	14.652%
6	18.341	1305	1311	1315	rBV	5553725	10866998	90.39%	16.550%
7	22.280	1651	1656	1661	rBV	48210	89830	0.75%	0.137%
8	22.646	1681	1688	1693	rBV2	5299760	12021984	100.00%	18.309%
9	22.771	1695	1699	1713	rVB	66011	194805	1.62%	0.297%
10	24.849	1877	1881	1891	rVV	90484	169608	1.41%	0.258%
11	27.726	2129	2133	2139	rVV	911406	1624021	13.51%	2.473%
12	30.500	2369	2376	2381	rBV	4362958	11009997	91.58%	16.768%
13	31.471	2453	2461	2477	rBV2	25144	116225	0.97%	0.177%
14	32.384	2535	2541	2563	rBV2	45747	221856	1.85%	0.338%
15	33.263	2613	2618	2629	rBV	90473	390682	3.25%	0.595%
16	34.120	2687	2693	2713	rBV	144123	734010	6.11%	1.118%
17	34.416	2713	2719	2741	rVV	3565448	9184588	76.40%	13.988%
18	34.942	2759	2765	2795	rBV	121669	688961	5.73%	1.049%
19	35.741	2829	2835	2843	rBV	87889	288451	2.40%	0.439%
20	36.608	2907	2911	2923	rBV3	41325	171945	1.43%	0.262%

Sum of corrected areas: 65660386

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
 Operator :
 Acquired : 17 Jan 2002 3:39 pm using AcqMethod SCAN508
 Instrument : Instrumen
 Sample Name: 508 scan
 Misc Info : January 17, 2002
 Vial Number: 2
 Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
 Acq On : 17 Jan 2002 3:39 pm
 Sample : 508 scan
 Misc : January 17, 2002
 MS Integration Params: LSCINT.P

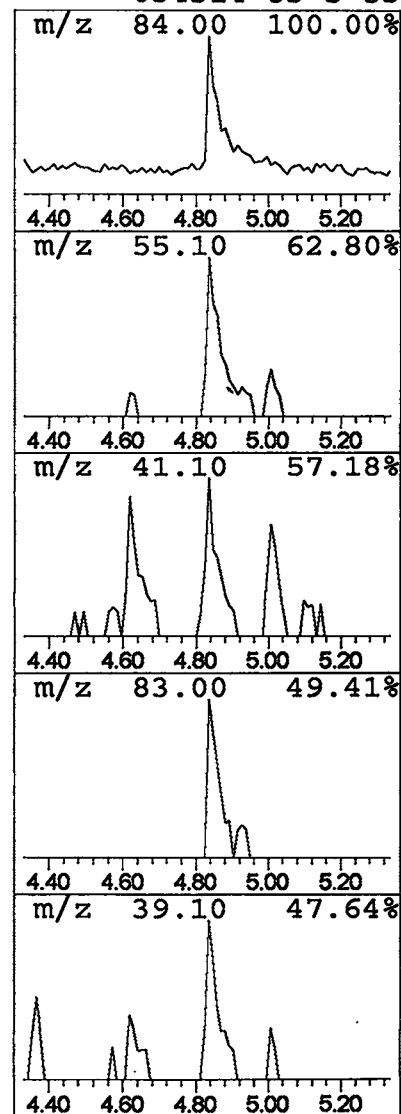
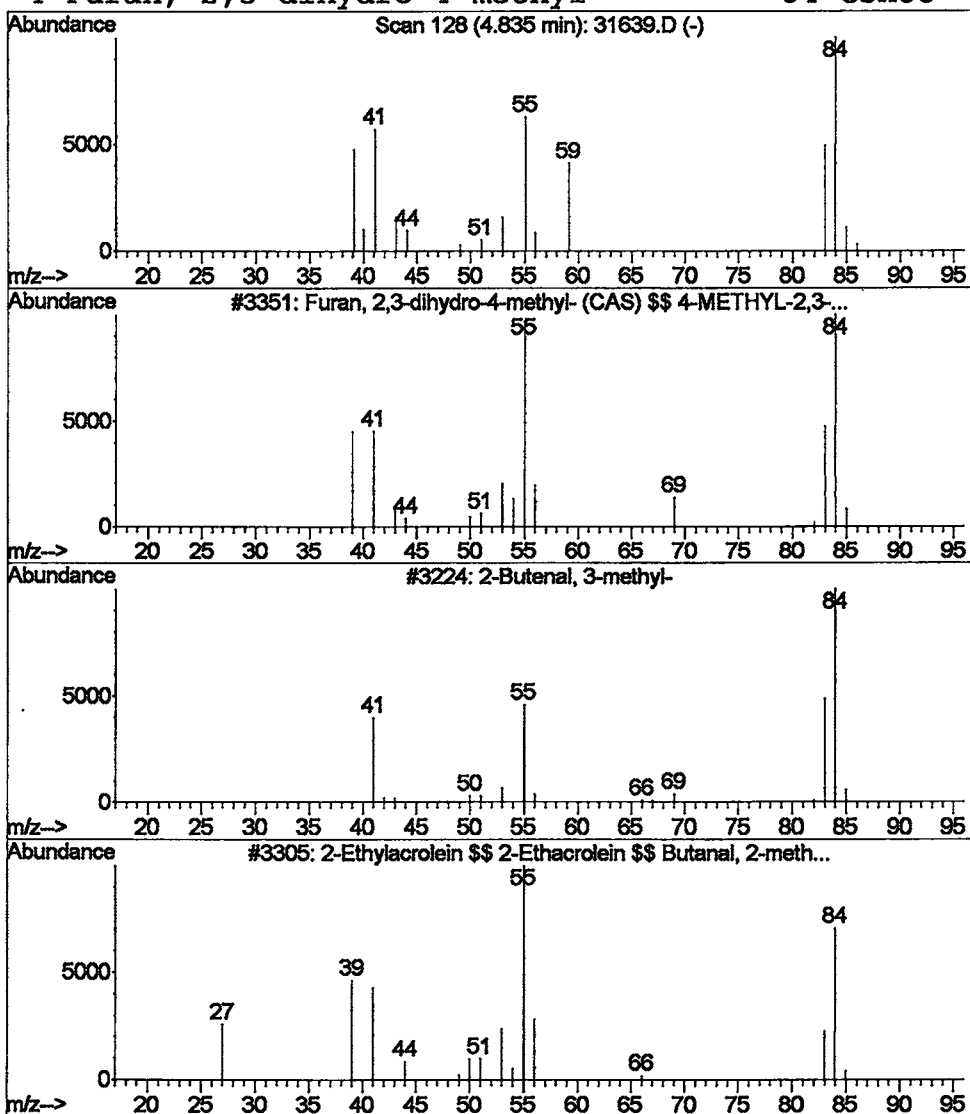
Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 1 Furan, 2,3-dihydro-4-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	0.23 ug/L	74227	1,4-Dichlorobenzene-d4	9.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	59
2		2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3		2-Ethylacrolein \$\$ 2-Ethacrolein...	84	C5H8O	000922-63-4	53
4		Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	53



Library Search Compound Report

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 MS Integration Params: LSCINT.P

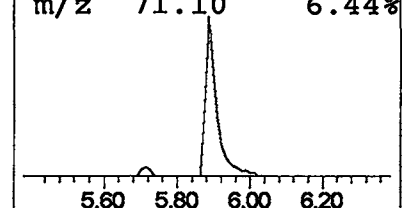
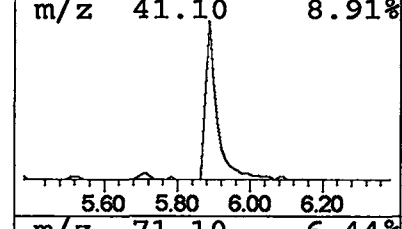
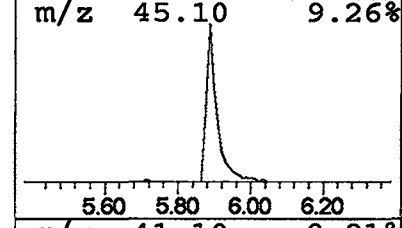
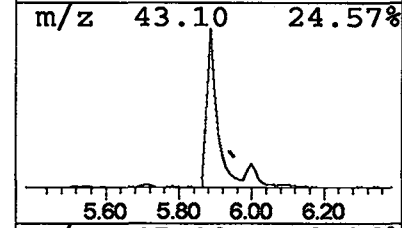
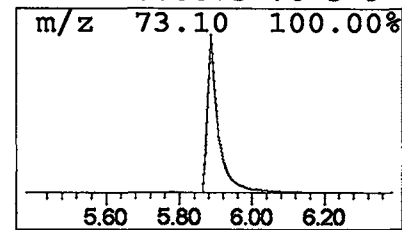
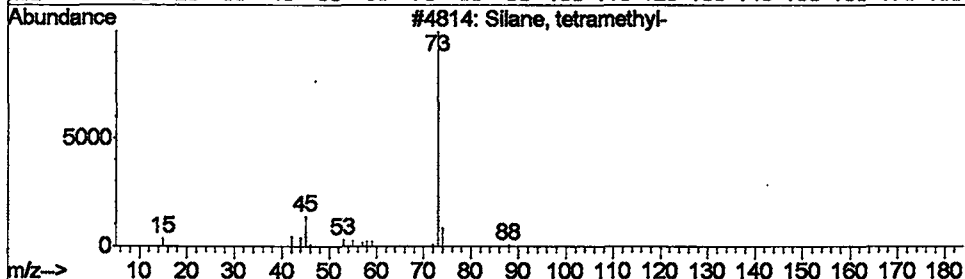
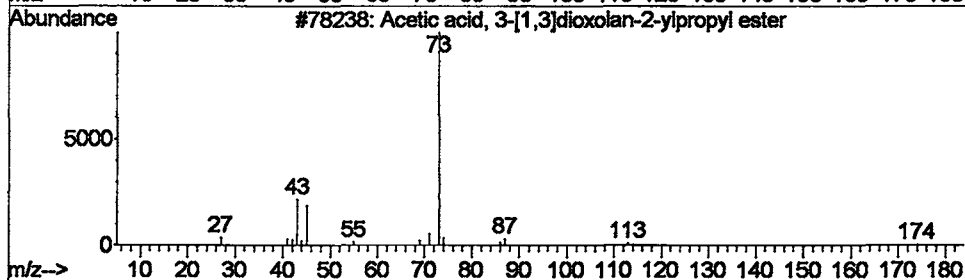
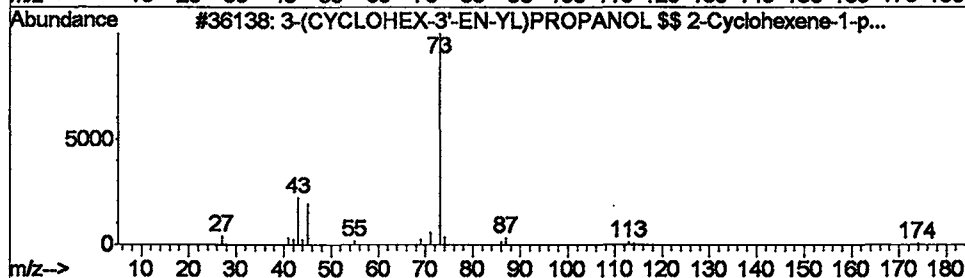
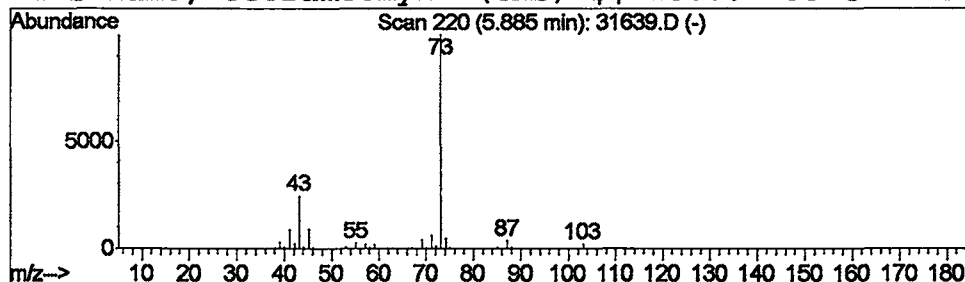
Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 2 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.05 ug/L	1639030	1,4-Dichlorobenzene-d4	9.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL \$\$...	174	C8H14O4	015745-87-6	33	
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33	
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9	
4	Silane, tetramethyl- (CAS) \$\$ Te...	88	C4H12Si	000075-76-3	9	



Library Search Compound Report

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Acq On : 17 Jan 2002 3:39 pm
Sample : 508 scan
Misc : January 17, 2002
MS Integration Params: LSCINT.P

Vial: 2
Operator:
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)

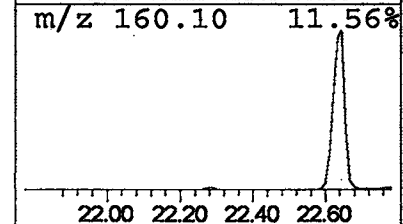
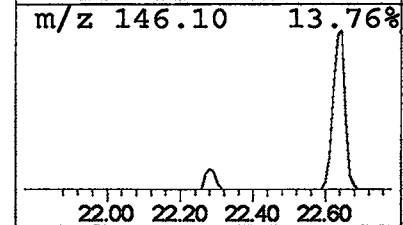
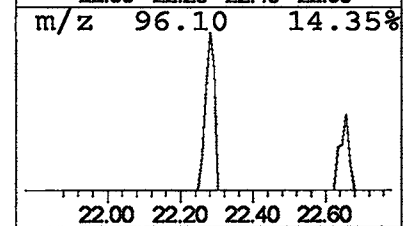
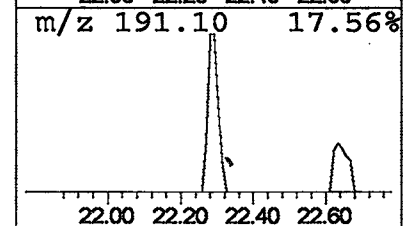
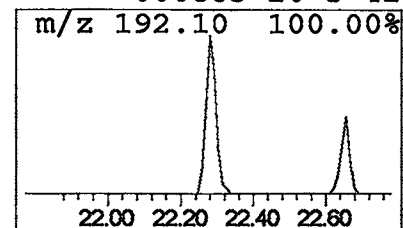
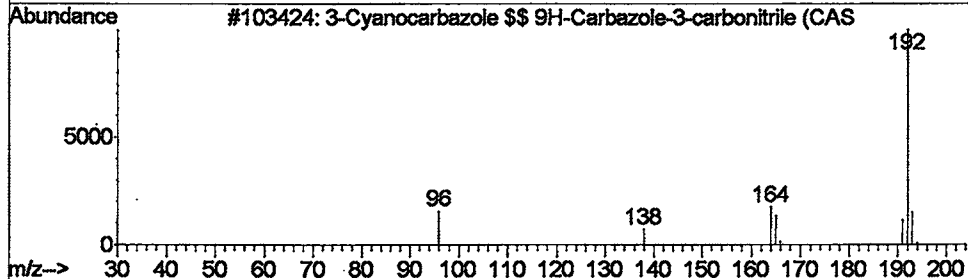
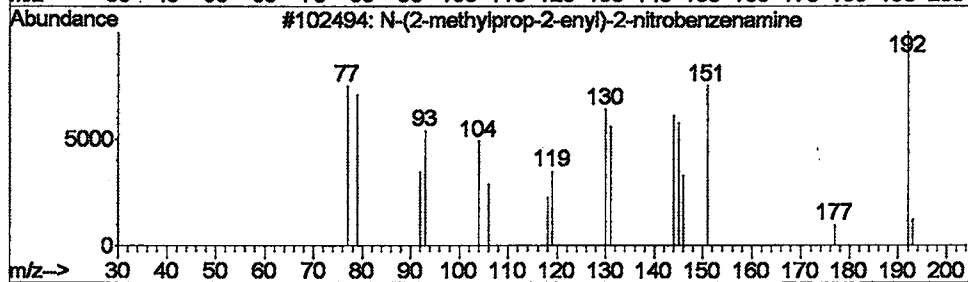
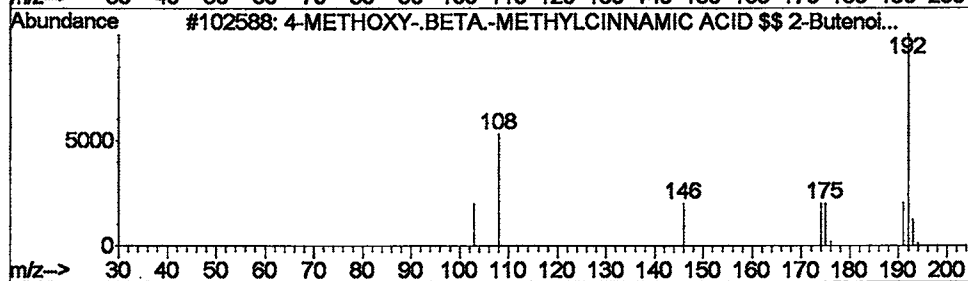
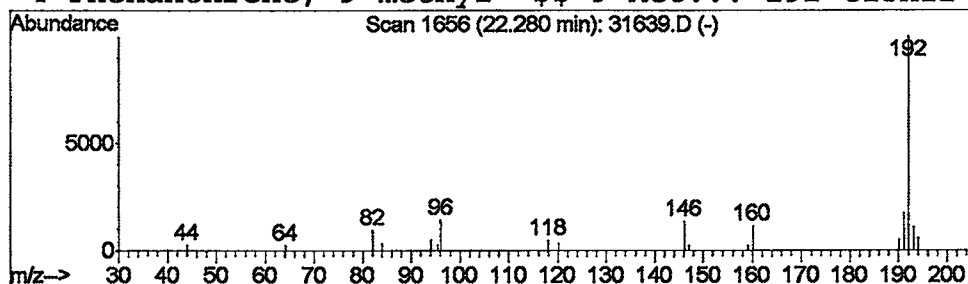
Title : 508 scan method

Library : C:\DATABASE\WILEY7N.L

Peak Number 3 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	89830	Phenanthrene-d10	22.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	64
2			N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	47
3			3-Cyanocarbazole \$\$ 9H-Carbazole...	192	C13H8N2	057102-93-9	45
4			Phenanthrene, 9-methyl- \$\$ 9-Met...	192	C15H12	000883-20-5	42



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Misc : January 17, 2002

MS Integration Params: LSCINT.P

Vial: 2

Operator:

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)

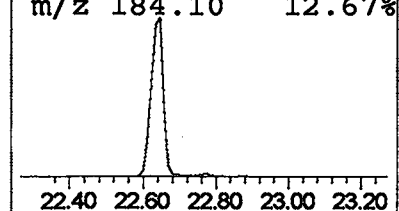
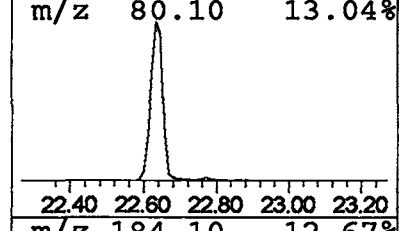
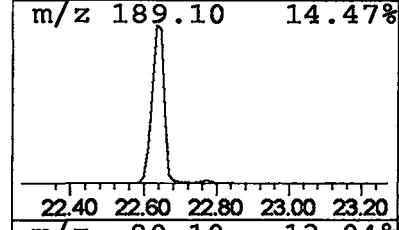
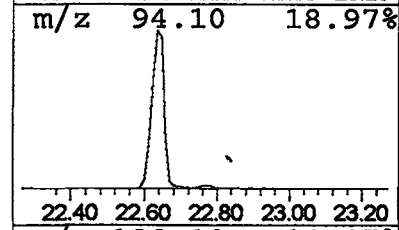
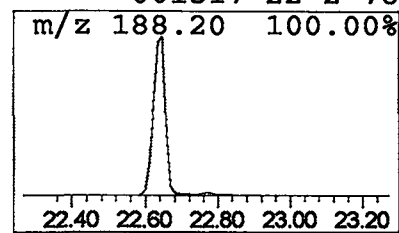
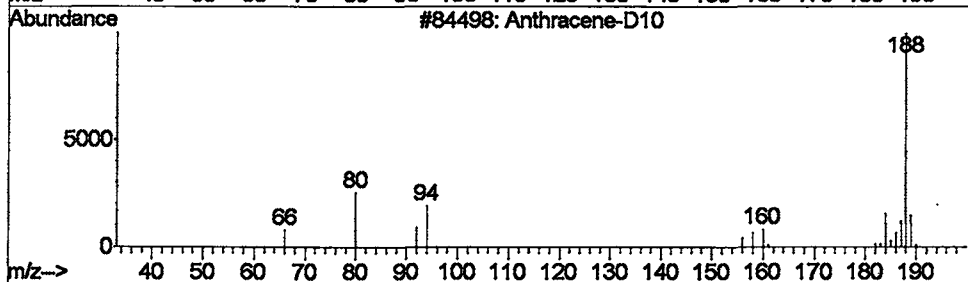
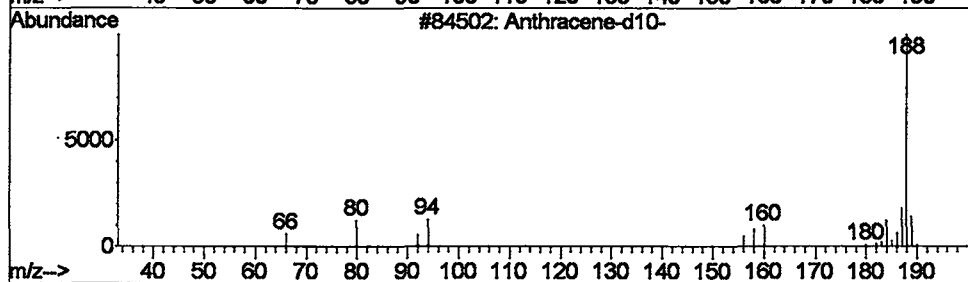
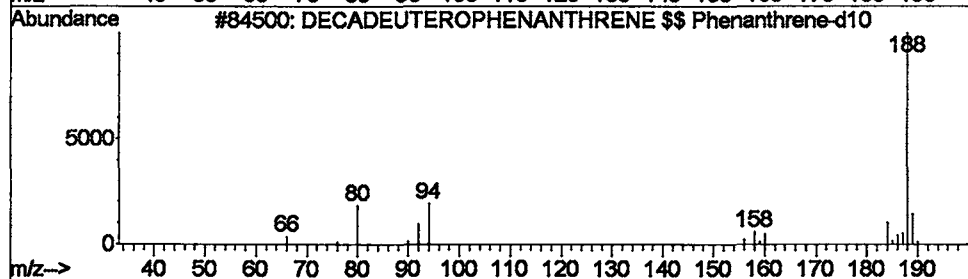
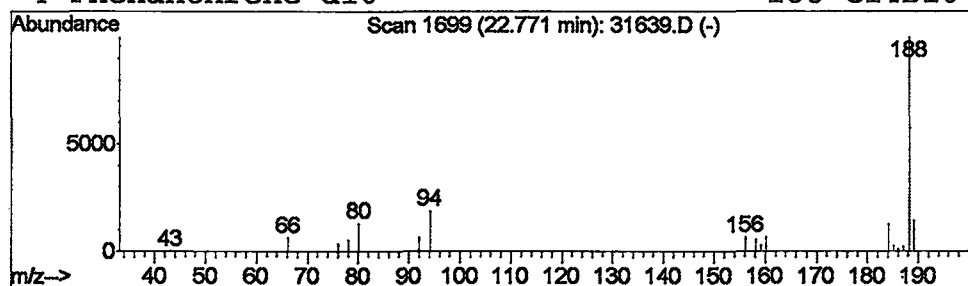
Title : 508 scan method

Library : C:\DATABASE\WILEY7N.L

Peak Number 4 DECADEUTEROPHENANTHRENE \$\$... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.32 ug/L	194805	Phenanthrene-d10	22.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		DECADEUTEROPHENANTHRENE \$\$ Phena...	188	C14D10	001517-22-2	91
2		Anthracene-d10-	188	C14D10	001719-06-8	87
3		Anthracene-D10	188	C14D10	000000-00-0	83
4		Phenanthrene-d10	188	C14D10	001517-22-2	78



Library Search Compound Report

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Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)

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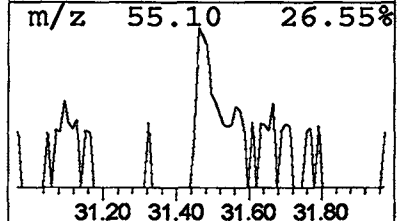
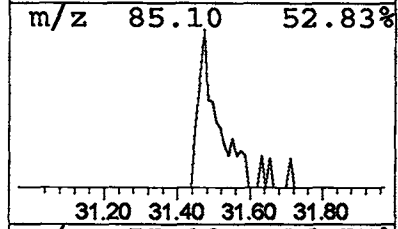
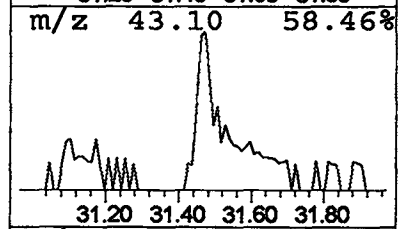
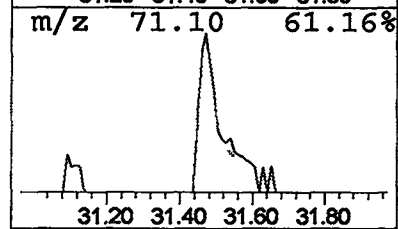
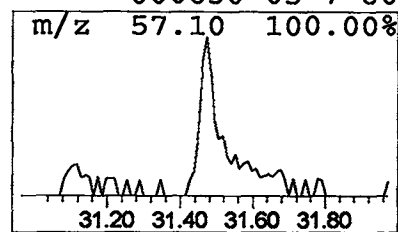
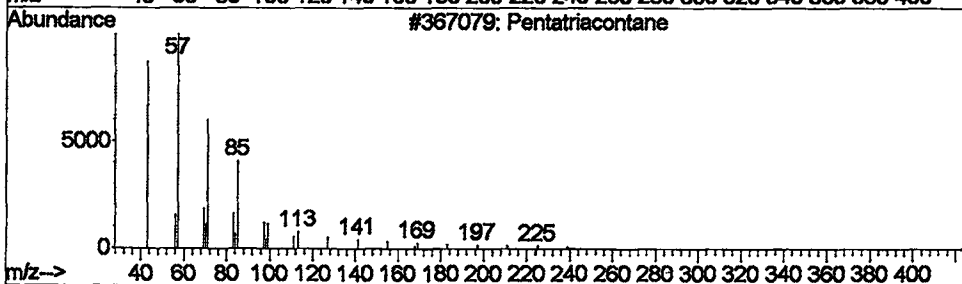
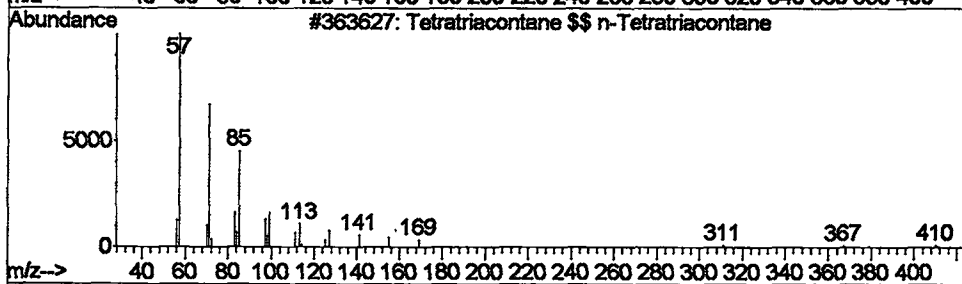
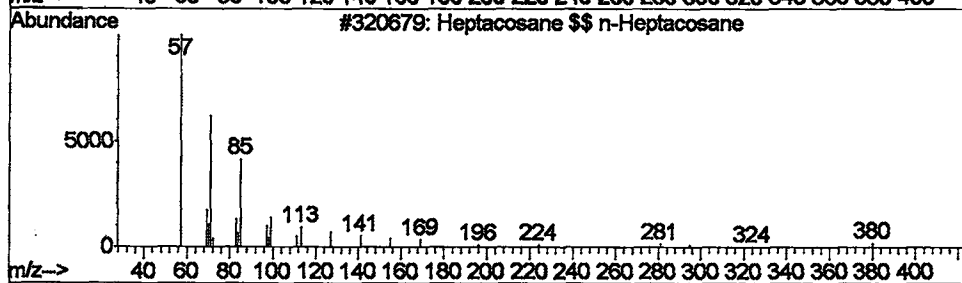
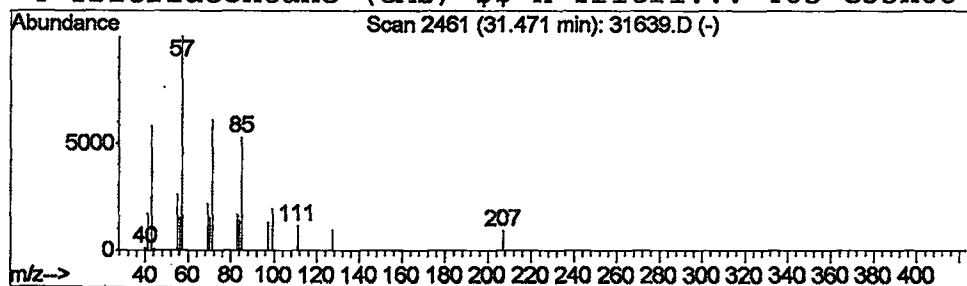
Library : C:\DATABASE\WILEY7N.L

Turbopump grease

Peak Number 5 Heptacosane \$\$ n-Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.47	0.21 ug/L	116225	Chrysene-d12	30.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane \$\$ n-Heptacosane	380	C27H56	000593-49-7	86
2			Tetratriacontane \$\$ n-Tetratriac...	479	C34H70	014167-59-0	83
3			Pentatriacontane	493	C35H72	000630-07-9	80
4			Trtriacontane (CAS) \$\$ n-Tritri...	465	C33H68	000630-05-7	80



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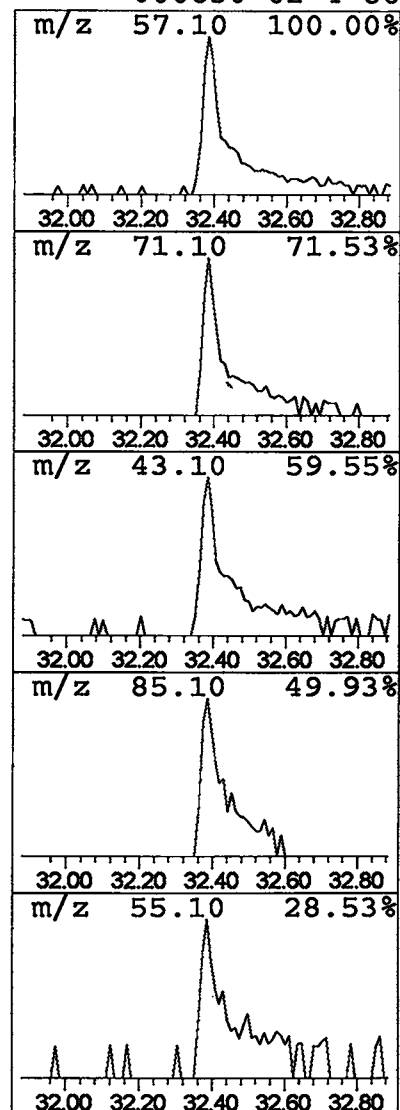
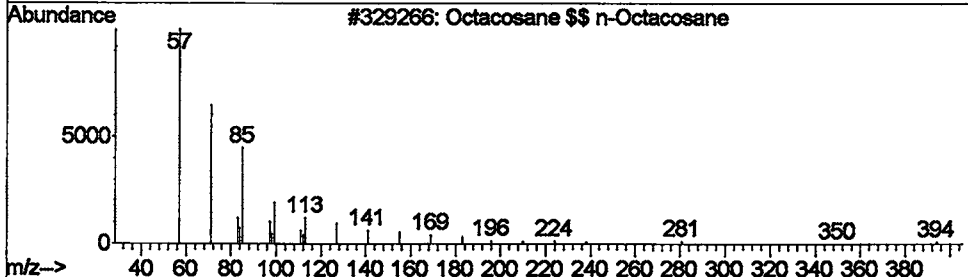
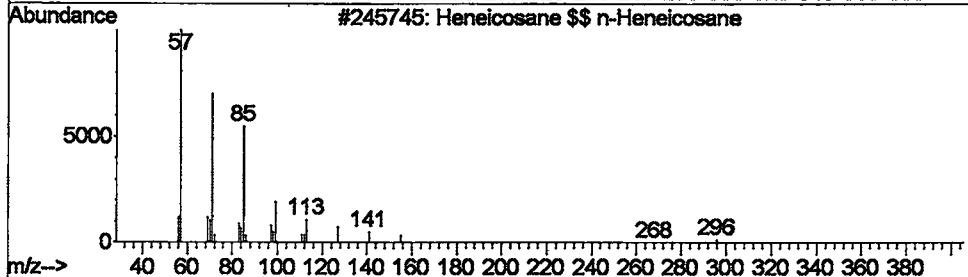
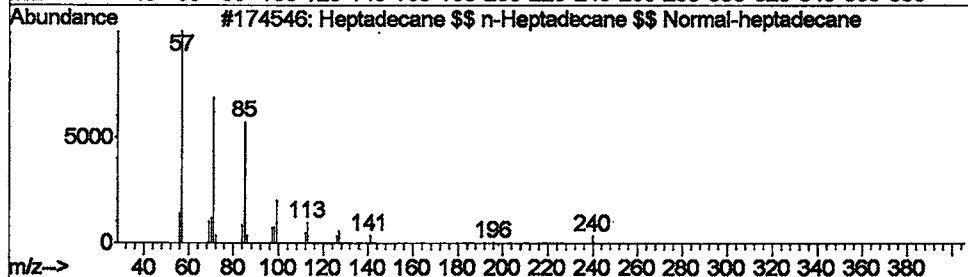
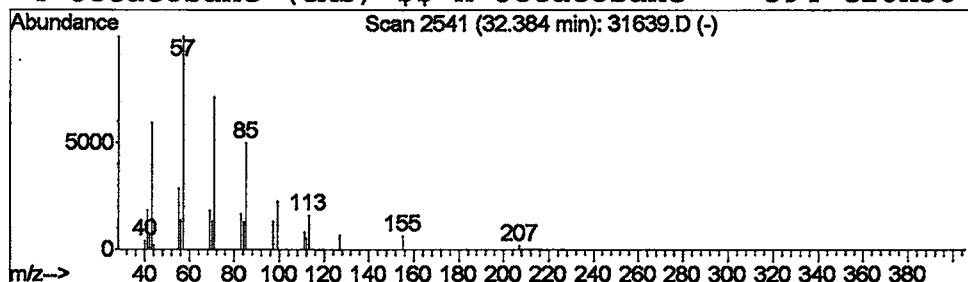
Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 6 Heptadecane \$\$ n-Heptadecan... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.38	0.40 ug/L	221856	Chrysene-d12	30.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane \$\$ n-Heptadecane \$\$...	240	C17H36	000629-78-7	90
2			Heneicosane \$\$ n-Heneicosane	296	C21H44	000629-94-7	90
3			Octacosane \$\$ n-Octacosane	394	C28H58	000630-02-4	90
4			Octacosane (CAS) \$\$ n-Octacosane	394	C28H58	000630-02-4	86



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
 Acq On : 17 Jan 2002 3:39 pm
 Sample : 508 scan
 Misc : January 17, 2002
 MS Integration Params: LSCINT.P

Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

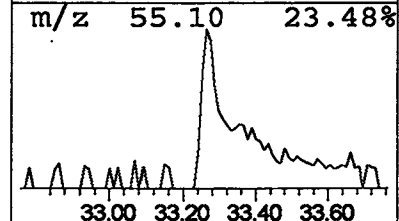
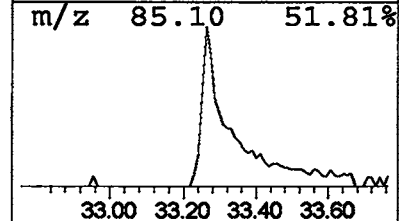
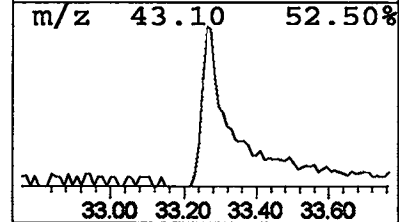
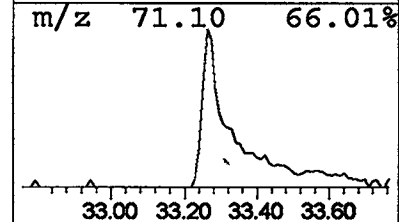
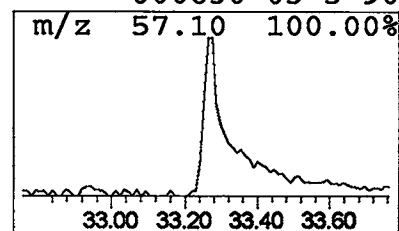
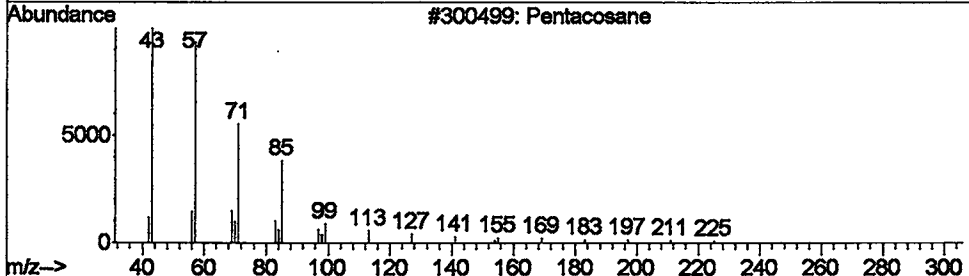
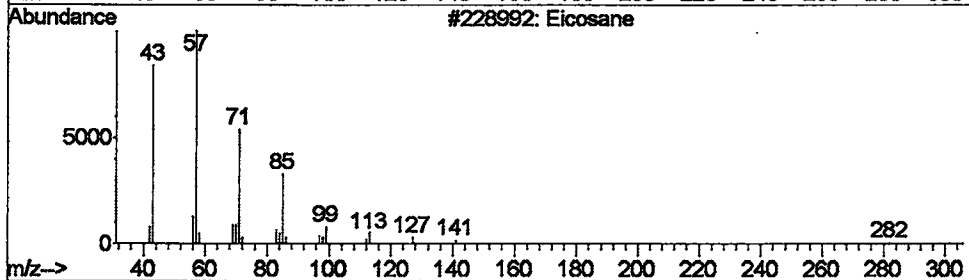
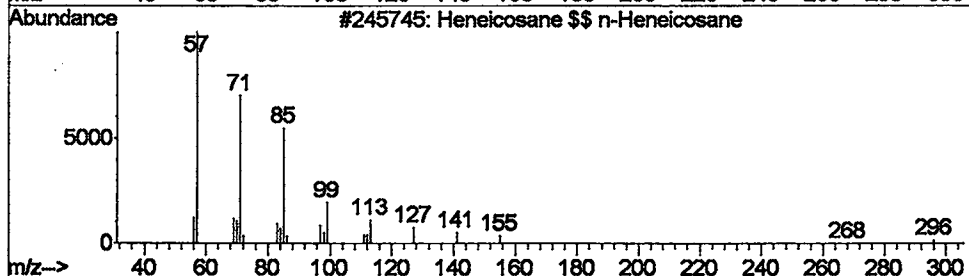
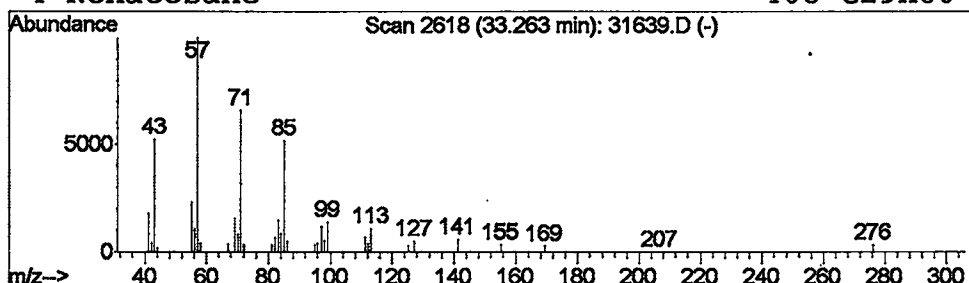
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 7 Heneicosane \$\$ n-Heneicosane Concentration Rank 4

Turbopump grease

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.26	0.85 ug/L	390682	Perylene-d12	34.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	\$\$ n-Heneicosane	296	C21H44	000629-94-7	91
2	Eicosane		282	C20H42	000112-95-8	90
3	Pentacosane		352	C25H52	000629-99-2	90
4	Nonacosane		408	C29H60	000630-03-5	90



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D

Acq On : 17 Jan 2002 3:39 pm

Sample : 508 scan

Misc : January 17, 2002

MS Integration Params: LSCINT.P

Vial: 2

Operator:

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)

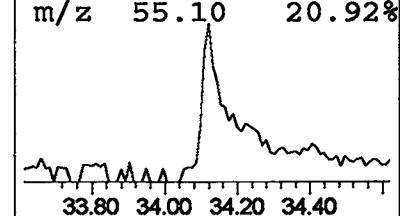
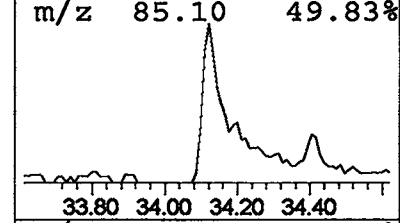
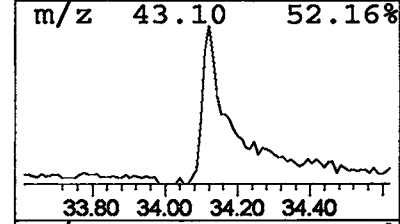
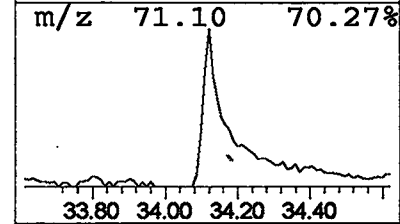
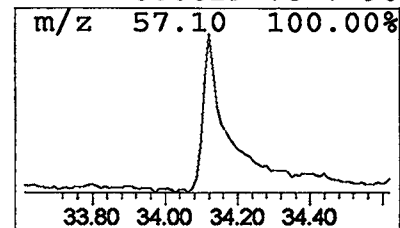
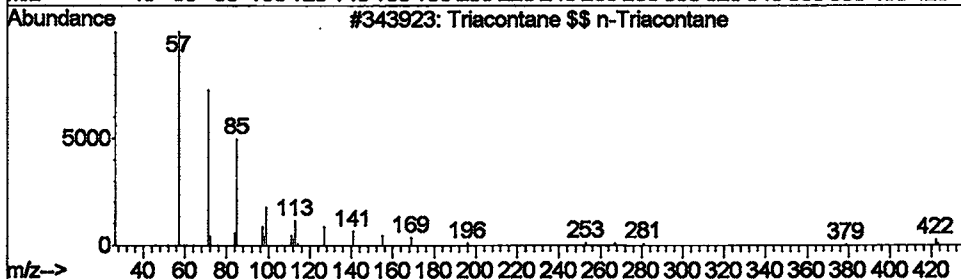
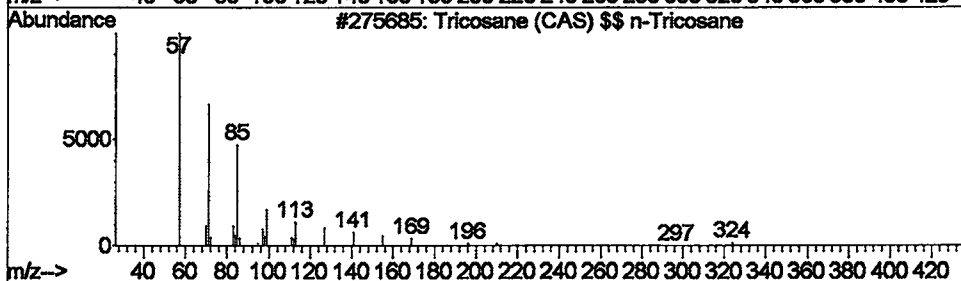
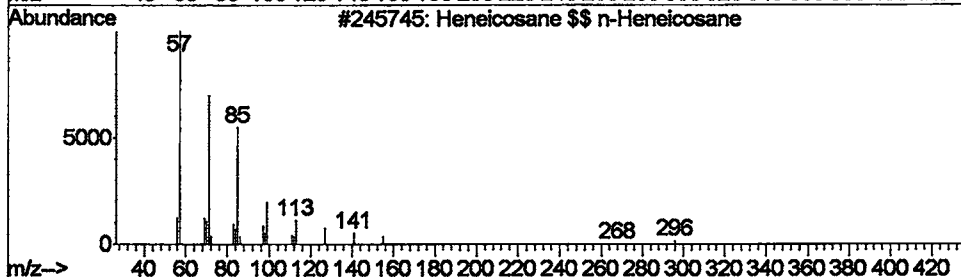
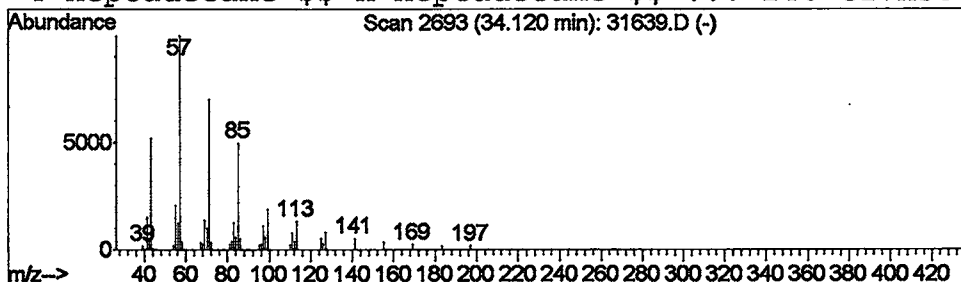
Title : 508 scan method

Library : C:\DATABASE\WILEY7N.L

Peak Number 8 Heneicosane \$\$ n-Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.12	1.60 ug/L	734010	Perylene-d12	34.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane \$\$ n-Heneicosane	296	C21H44	000629-94-7	91
2			Tricosane (CAS) \$\$ n-Tricosane	324	C23H48	000638-67-5	91
3			Triacontane \$\$ n-Triacontane	422	C30H62	000638-68-6	91
4			Heptadecane \$\$ n-Heptadecane \$\$...	240	C17H36	000629-78-7	90



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
 Acq On : 17 Jan 2002 3:39 pm
 Sample : 508 scan
 Misc : January 17, 2002
 MS Integration Params: LSCINT.P

Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

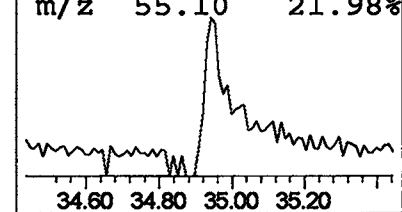
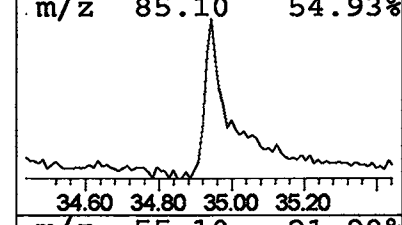
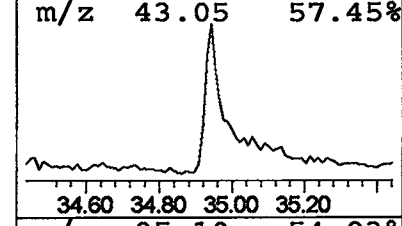
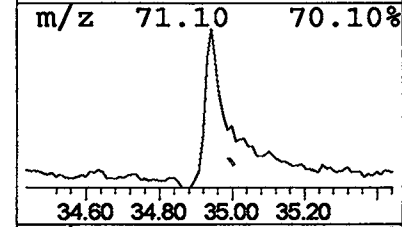
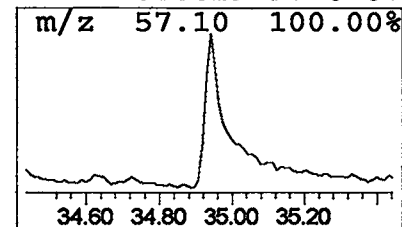
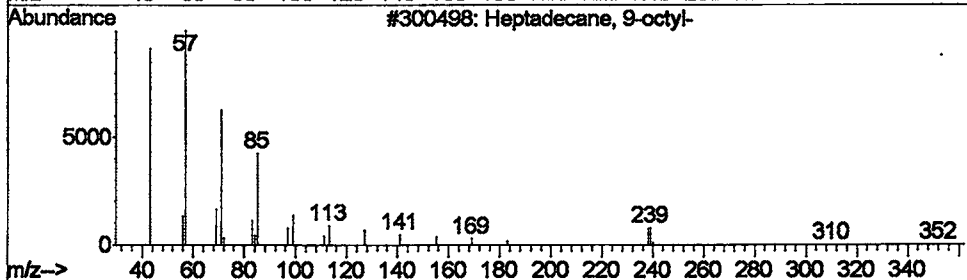
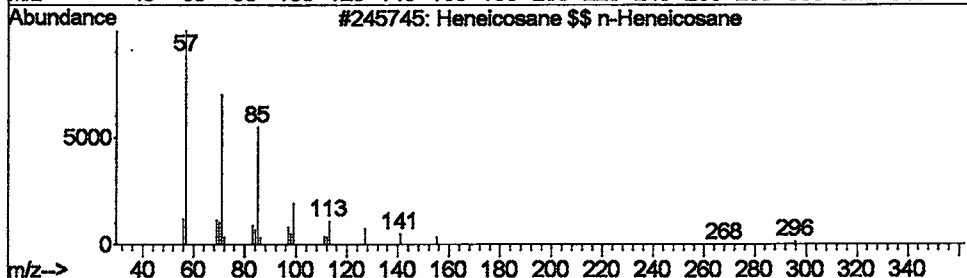
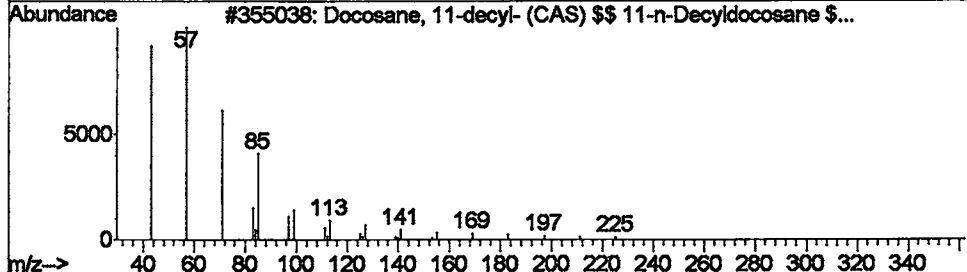
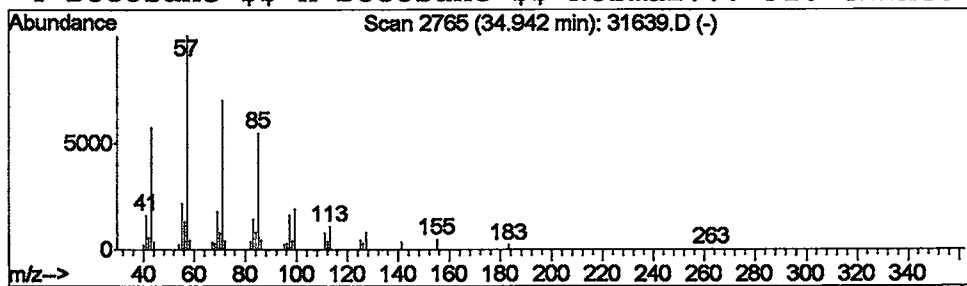
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

 Peak Number 9 Docosane, 11-decyl- (CAS) \$... Concentration Rank 3

Turbovap grease

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.94	1.50 ug/L	688961	Perylene-d12	34.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane, 11-decyl- (CAS) \$\$ 11-...	451	C32H66	055401-55-3	90
2		Heneicosane \$\$ n-Heneicosane	296	C21H44	000629-94-7	87
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
4		Docosane \$\$ n-Docosane \$\$ Normal...	310	C22H46	000629-97-0	87



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
 Acq On : 17 Jan 2002 3:39 pm
 Sample : 508 scan
 Misc : January 17, 2002
 MS Integration Params: LSCINT.P

Vial: 2
 Operator:
 Inst : Instrumen
 Multiplr: 1.00

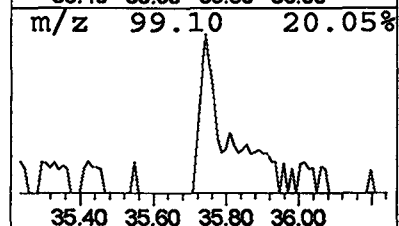
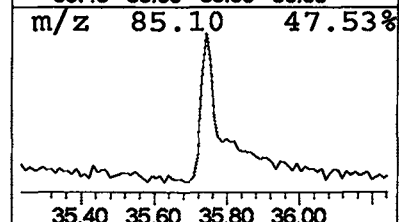
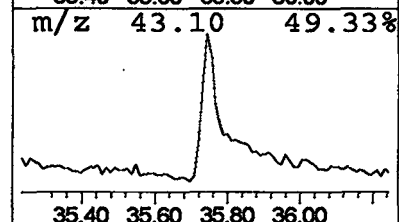
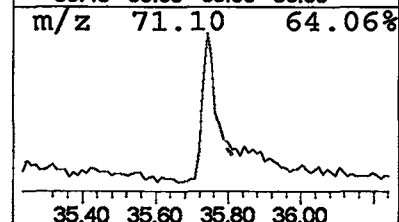
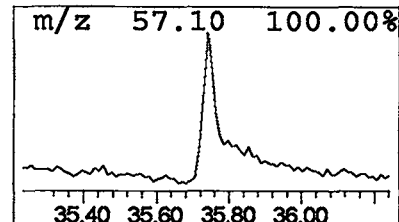
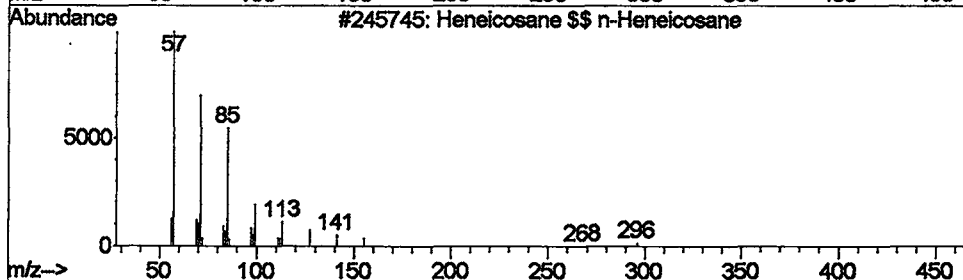
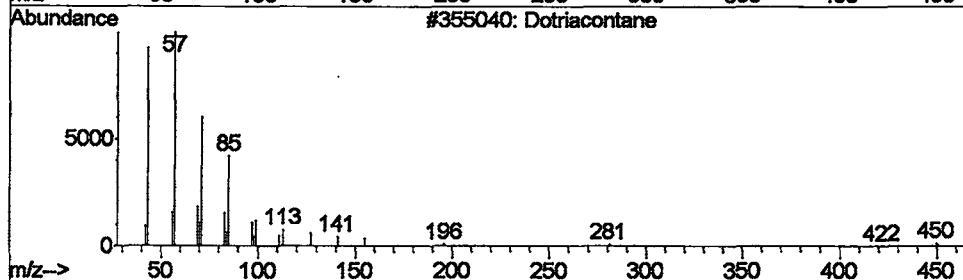
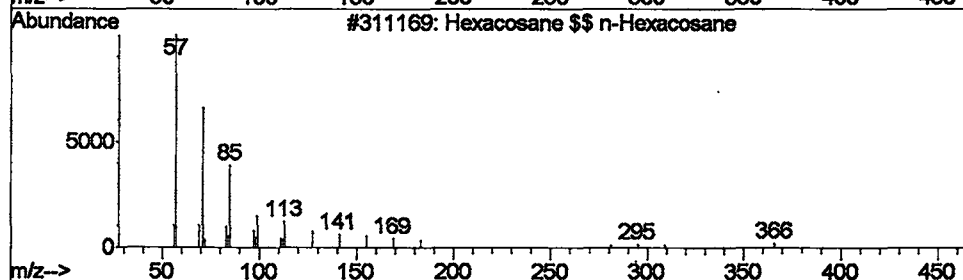
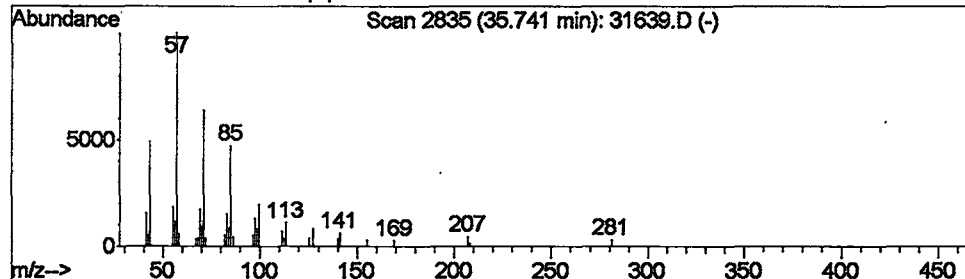
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
 Title : 508 scan method
 Library : C:\DATABASE\WILEY7N.L

Turbopump grease

 Peak Number 10 Hexacosane \$\$ n-Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.74	0.63 ug/L	288451	Perylene-d12	34.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane \$\$ n-Hexacosane	366	C26H54	000630-01-3	91
2			Dotriacontane	451	C32H66	000544-85-4	91
3			Heneicosane \$\$ n-Heneicosane	296	C21H44	000629-94-7	90
4			Pentacosane \$\$ n-Pentacosane	352	C25H52	000629-99-2	90



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31639.D
Acq On : 17 Jan 2002 3:39 pm
Sample : 508 scan
Misc : January 17, 2002
MS Integration Params: LSCINT.P

Vial: 2
Operator:
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)

Title : 508 scan method

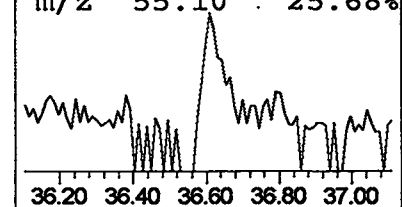
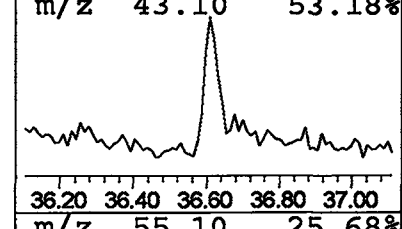
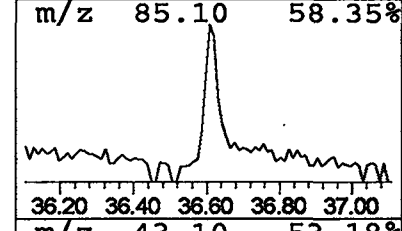
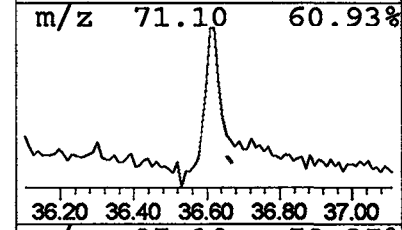
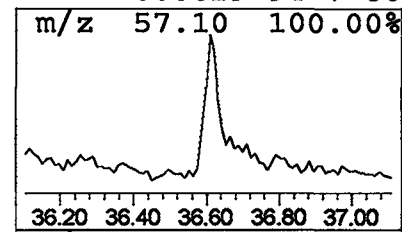
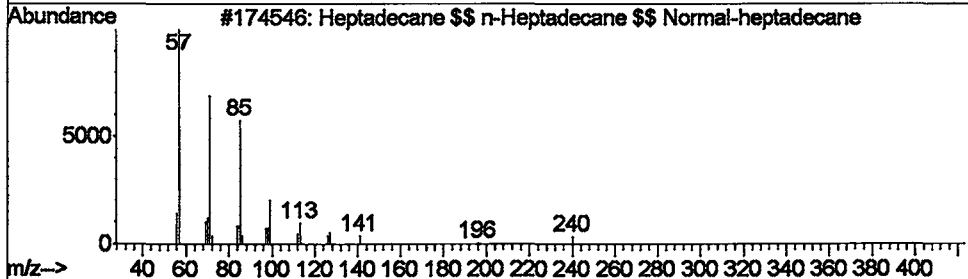
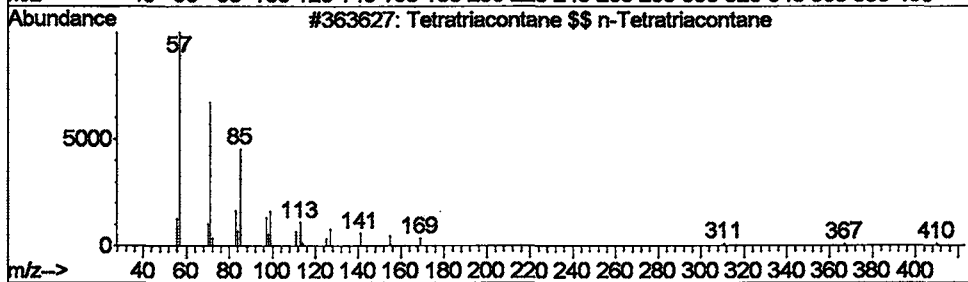
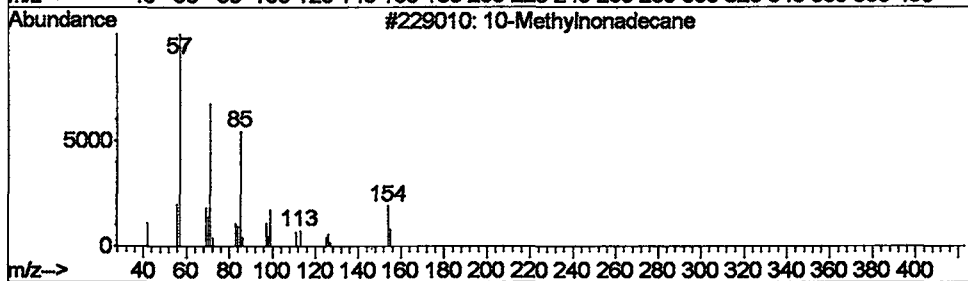
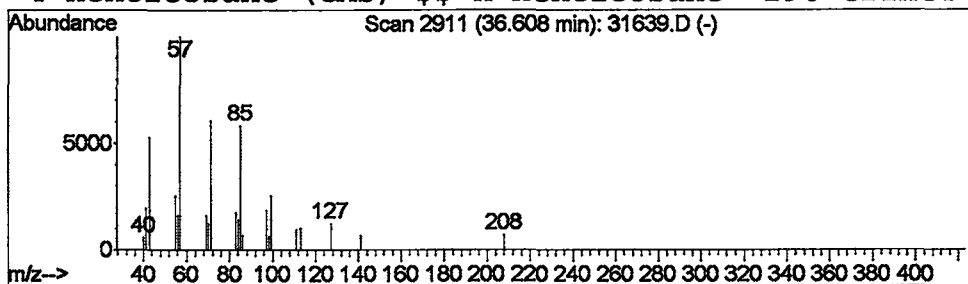
Library : C:\DATABASE\WILEY7N.L

Peak Number 11 10-Methylnonadecane

Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.61	0.37 ug/L	171945	Perylene-d12	34.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Methylnonadecane	282	C20H42	056862-62-5	80
2		Tetratriacontane \$\$ n-Tetratriac...	479	C34H70	014167-59-0	80
3		Heptadecane \$\$ n-Heptadecane \$\$...	240	C17H36	000629-78-7	80
4		Heneicosane (CAS) \$\$ n-Heneicosane	296	C21H44	000629-94-7	80



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 17 Jan 2002 3:39 pm
Data File: C:\MSDCHEM\1\5973N\02JAN17\31639.D
Name: 508 scan
Misc: January 17, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard---			
					#	RT	Resp	Conc
Furan, 2,3-dihydr...	4.84	0.2	ug/L	74227	1	9.71	6496950	20.0
3-(CYCLOHEX-3'-EN...	5.89	5.0	ug/L	1639030	1	9.71	6496950	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	89830	4	22.65	12022000	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	194805	4	22.65	12022000	20.0
Heptacosane \$\$ n-...	31.47	0.2	ug/L	116225	5	30.50	11010000	20.0
Heptadecane \$\$ n-...	32.38	0.4	ug/L	221856	5	30.50	11010000	20.0
Heneicosane \$\$ n-...	33.26	0.9	ug/L	390682	6	34.42	9184590	20.0
Heneicosane \$\$ n-...	34.12	1.6	ug/L	734010	6	34.42	9184590	20.0
Docosane 11-decy...	34.94	1.5	ug/L	688961	6	34.42	9184590	20.0
Hexacosane \$\$ n-H...	35.74	0.6	ug/L	288451	6	34.42	9184590	20.0
10-Methylnonadecane	36.61	0.4	ug/L	171945	6	34.42	9184590	20.0

*turbid
green*