User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 05/06/2002 Time: 18:10:48

Sample: AE10187
Analysis: S525 Organic Chemicals - 525.2
Units: ug
Started: 4/30/02 14:47 Ended: 5/2/02 14:47 Analyst: TB
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		< MDL		1.0
2	Hexachlorobenzene		< MDL		1.0
3	Simazine		< MDL		1.0
4	Atrazine		< MDL		1.0
5	Alachlor		< MDL		1.0
6	bis(2-Ethylhexyl)adipate		< MDL		1.0
7	bis(2-Ethylhexyl)phthalate		<MDL		1.0
8	Benzo(a)pyrene		0.29		0.20
9	EPTC		< MDL		1.0
10	2,6-Dinitrotoluene		< MDL		2.0
11	2,4-Dinitrotoluene		< MDL		2.0
12	Molinate		< MDL		0.90
13	Terbacil		< MDL		2.0
14	Acetochlor		< MDL		2.0
15	Metribuzin		< MDL		1.0
16	Metolachlor		< MDL		1.0
17	Butachlor		< MDL		1.0
18	4,4-DDE		< MDL		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		5.8		1.0
20	Surr_Triphenyl phosphate		6.2		1.0
21	Surr:Perylene-d12	LSPEC	0.84		1.0

Comments for Sample AE10187 - Analysis $525

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-07-2002 Time: 09:13:36

Benzo(a)pyrene appears to be present at approximately 0.29 ug/L. The recoveries for 4 of the 18 compounds in the LCS Standard were low including Benzo(a)pyrene which was at 56%.

Sample 10187

The result for bis(2-ethylhexyl)phthalate is being reported as <1 ug/L.

The result generated by the data system (1.5 ug/L) was corrected because when the 1 ug/L calibration standard of 5/1/02 was quantitated using the calibration of 5/1/02 it yielded a result for phthalate of 1.6 ug/L. This result varies from the true value of 1 ug/L by more than 30%. Therefore, the phthalate result for this sample was approximated using a one point calibration.

analysis	phthalate area	int std area	computer generated conc (ug/L)
1 ug/L cal std (5/1/02)	214357	2773851	1.6
sample 10187	195093	3035920	1.5

$$RF = \frac{(214357)(5)}{(2773851)(1)} = 0.3864$$

$$C = \frac{(195093)(5)}{(3035920)(0.3864)} = 0.83 \text{ ug/L, bis(2-ethylhexyl)phthalate (or <1 ug/L.)}$$

Also phthalate is in the lab blank.

Benzo(a)pyrene (BAP) appears to be present in sample 10187 at approximately 0.29 ug/L and, therefore, the result is being reported as such. Note: there is some background interference present.

The result of 0.80 ug/L as generated by the data system was corrected as noted above. The correction was made because when the 0.2 ug/L calibration standard of 5/1/02 was quantitated using the calibration of 5/1/02 it yielded a result of of 0.79 ug/L for BAP. This result varied by more than 30% from its true value.

Therefore, the BAP sample result was approximated based on a one point calibration using the 0.2 ug/L calibration standard.

analysis	BAP area	internal standard area (chrysene d-12)	RF
0.2 ug/L cal std of 5/1/02	18392	3658766	0.1257
sample 10187	22029	3035920	

$$RF = \frac{(18392)(5)}{(3658766)(0.2)} = 0.1257$$

$$C = \frac{(22029)(5)}{(3035920)(0.1257)} = 0.29 \text{ ug/L}$$

T. Bohlk

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 15:02:31 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon May 06 12:42:26 2002
Response via : Initial Calibration
DataAcq Meth : 050102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	17.59	164	2887198	5.00	ug/L	0.00
9) Phenanthrene d-10	21.89	188	4561612	5.00	ug/L	0.00
19) Chrysene d-12	29.62	240	3035920	5.00	ug/L	0.00
25) p-Terphenyl d-14	26.77	244	3516352m	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	12.55	134	770338	5.84	ug/L	0.00
Spiked Amount 5.000			Recovery =	116.80%		
20) Triphenyl Phosphate	28.94	326	842496	6.23	ug/L	0.00
21) Perylene D-12	33.60	264	355754	0.84	ug/L	0.00
Spiked Amount 5.000			Recovery =	16.80%		
26) Acenaphthene d-10 (surr)	17.59	164	2887198	3.30	ug/L	0.00
Spiked Amount 5.000			Recovery =	66.00%		
27) Phenanthrene d-10 (surr)	21.89	188	4561612	3.82	ug/L	0.00
Spiked Amount 5.000			Recovery =	76.40%		
28) Chrysene d-12 (surr)	29.62	240	3035920	3.83	ug/L	0.00
Spiked Amount 5.000			Recovery =	76.60%		
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
4) Hexachlorobenzene	0.00	284	0	N.D.		
5) EPTC	0.00	128	0	N.D.		
6) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
7) 2,4-Dinitotoluene	0.00	165	0	N.D.	d	
8) Molinate	0.00	126	0	N.D.		
10) Simazine	0.00	201	0	N.D.		
11) Atrazine	0.00	200	0	N.D.		
12) Alachlor	0.00	160	0	N.D.		
13) Terbacil	0.00	117	0	N.D.		
14) Acetochlor	0.00	146	0	N.D.		
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	0.00	162	0	N.D.		
17) Butachlor	0.00	160	0	N.D.	d	
18) 4,4'-DDE	0.00	246	0	N.D.	d	
22) Bis (2-Ethylhexyl) adipate	0.00	129	0	N.D.	d	
23) Bis (2-Ethylhexyl) phthala	30.31	149	195093	1.54	ug/L	89
24) Benzo (a) pyrene	33.47	252	22029m	0.80	ug/L	

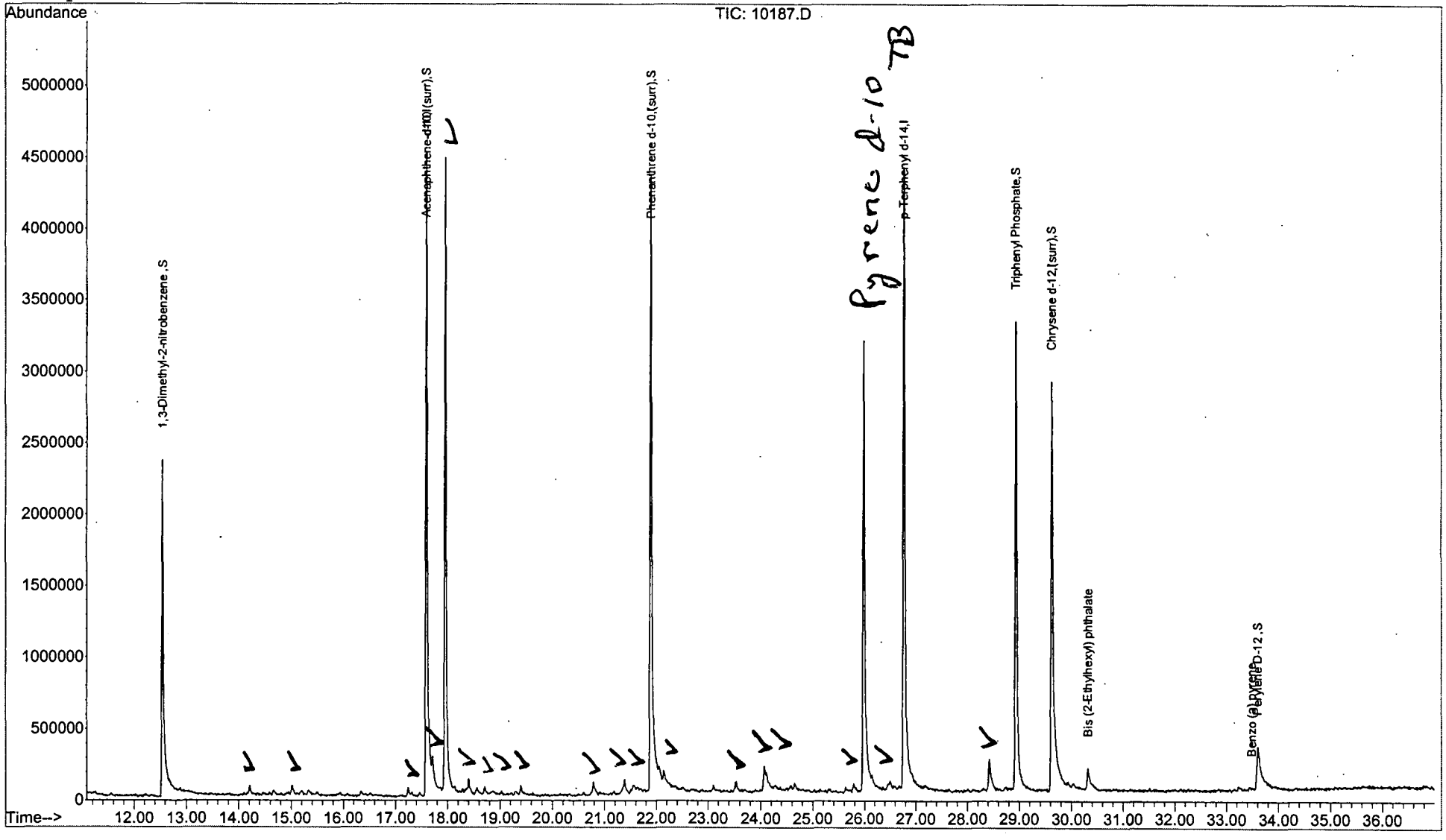
Refer to attached

(#) = qualifier out of range (m) = manual integration
10187.D 050102.M Mon May 06 17:53:17 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 15:06 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon May 06 12:42:26 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

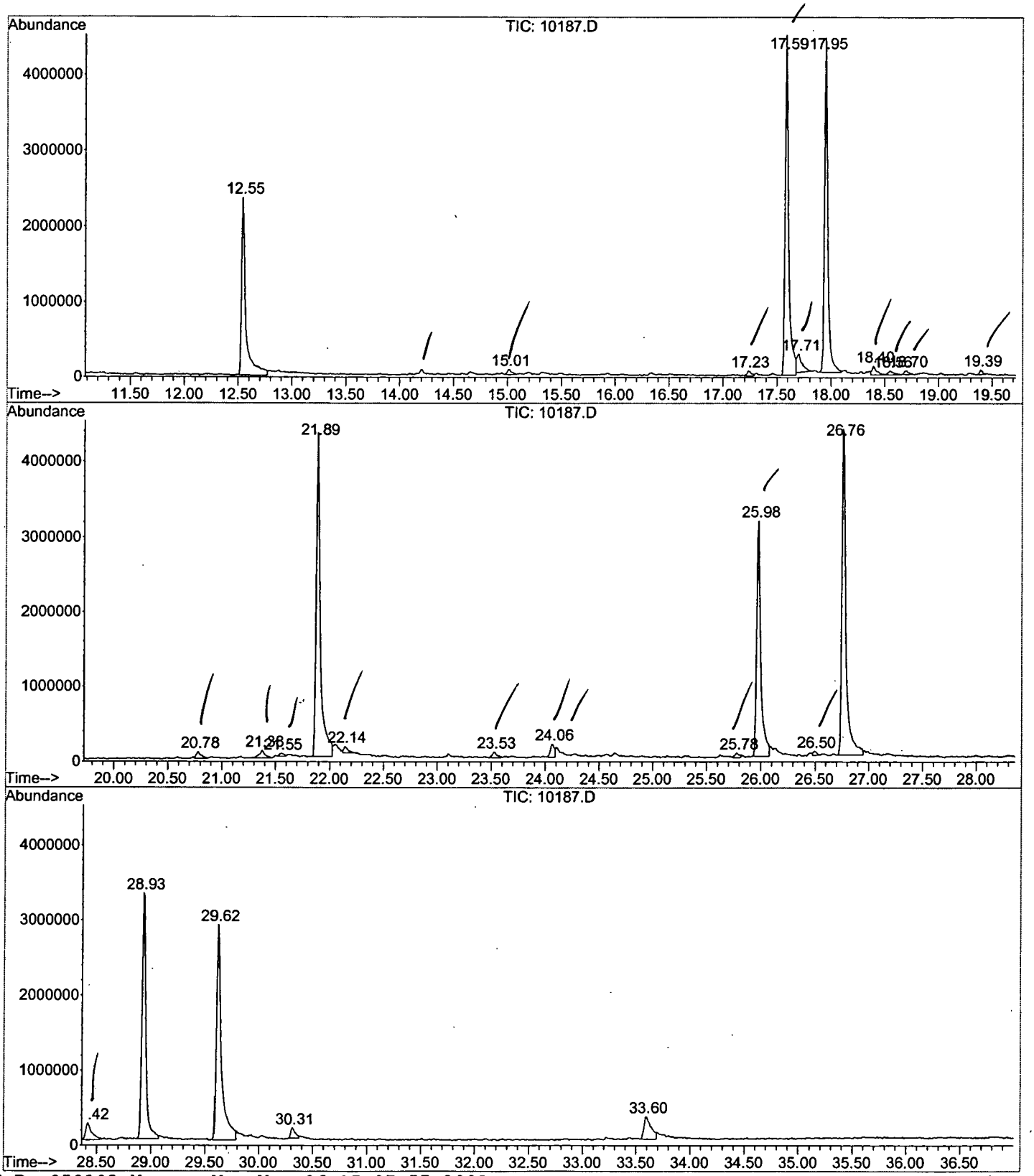
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.545	158	162	187	rBV	2354995	6292969	53.94%	7.741%
2	15.012	430	434	442	rBV3	66618	188375	1.61%	0.232%
3	17.235	675	679	685	rBV5	64929	179856	1.54%	0.221%
4	17.588	713	718	728	rBV	4505617	10248565	87.84%	12.607%
5	17.706	728	731	744	rVB5	231244	780925	6.69%	0.961%
6	17.951	750	758	774	rBV2	4428526	9381061	80.40%	11.540%
7	18.396	804	807	819	rVB2	112774	325166	2.79%	0.400%
8	18.559	819	825	836	rBV10	48702	177774	1.52%	0.219%
9	18.704	836	841	850	rBV8	53913	150597	1.29%	0.185%
10	19.393	914	917	922	rBV2	62937	130729	1.12%	0.161%
11	20.781	1066	1070	1080	rVB6	91260	279232	2.39%	0.343%
12	21.380	1126	1136	1146	rBV3	102968	384723	3.30%	0.473%
13	21.552	1151	1155	1160	rBV6	40248	122740	1.05%	0.151%
14	21.888	1187	1192	1207	rBV2	4308302	11129159	95.39%	13.690%
15	22.142	1218	1220	1230	rVB3	88260	233673	2.00%	0.287%
16	23.529	1368	1373	1381	rBV6	75454	224082	1.92%	0.276%
17	24.065	1427	1432	1435	rBV2	174665	450140	3.86%	0.554%
18	25.779	1617	1621	1625	rBV5	62710	165066	1.41%	0.203%
19	25.978	1637	1643	1654	rBV	3147302	8367047	71.71%	10.293%
20	26.495	1698	1700	1706	rVB7	53014	126160	1.08%	0.155%
21	26.758	1724	1729	1750	rBV	4338646	11667465	100.00%	14.352%
22	28.418	1906	1912	1924	rBV	225202	863264	7.40%	1.062%
23	28.926	1962	1968	1984	rBV	3270590	8307808	71.20%	10.220%
24	29.616	2039	2044	2063	rBV2	2866416	9336910	80.03%	11.486%
25	30.314	2117	2121	2128	rBV2	135243	396041	3.39%	0.487%
26	33.597	2477	2483	2493	rBV3	302556	1382987	11.85%	1.701%

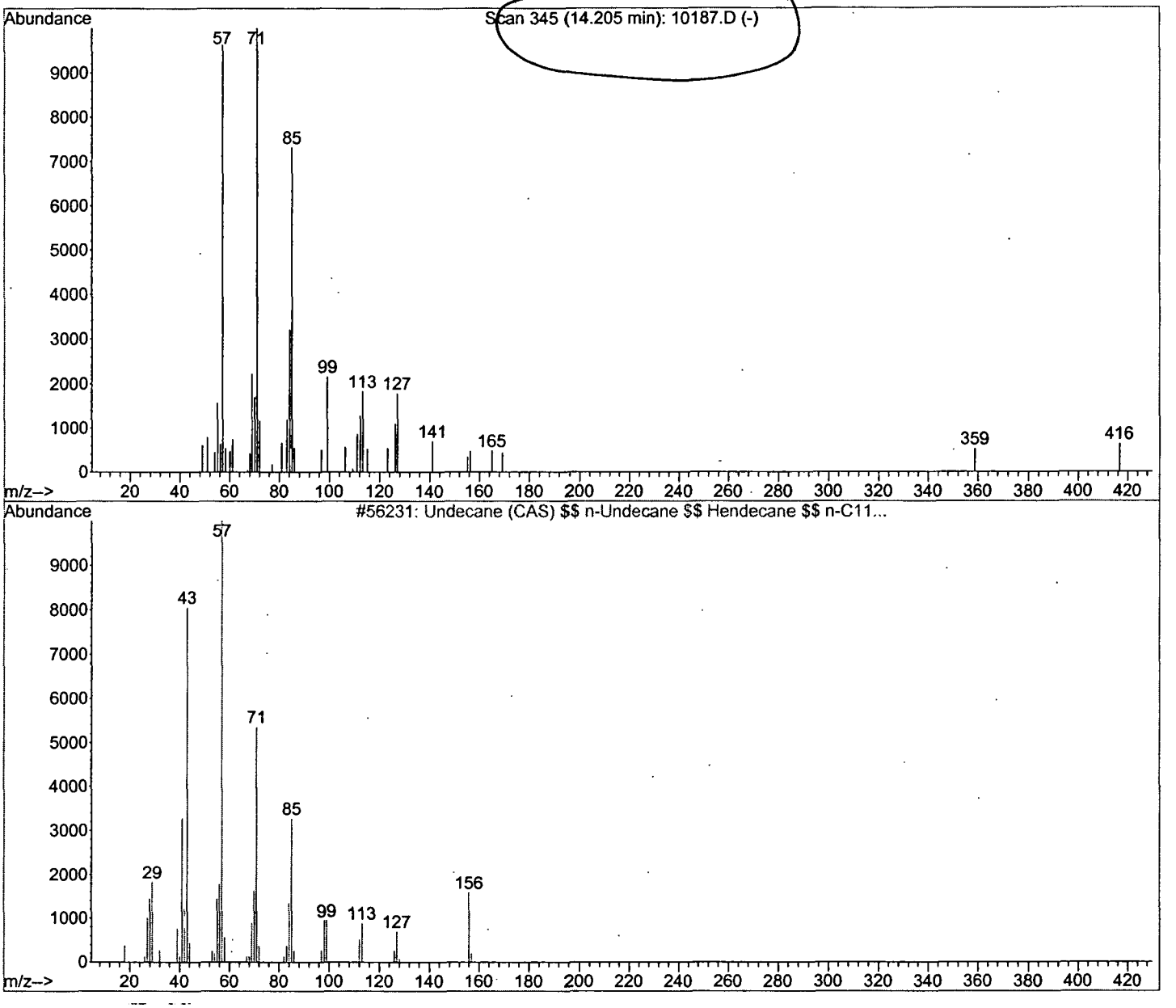
Sum of corrected areas: 81292514

LSC Report - Integrated Chromatogram

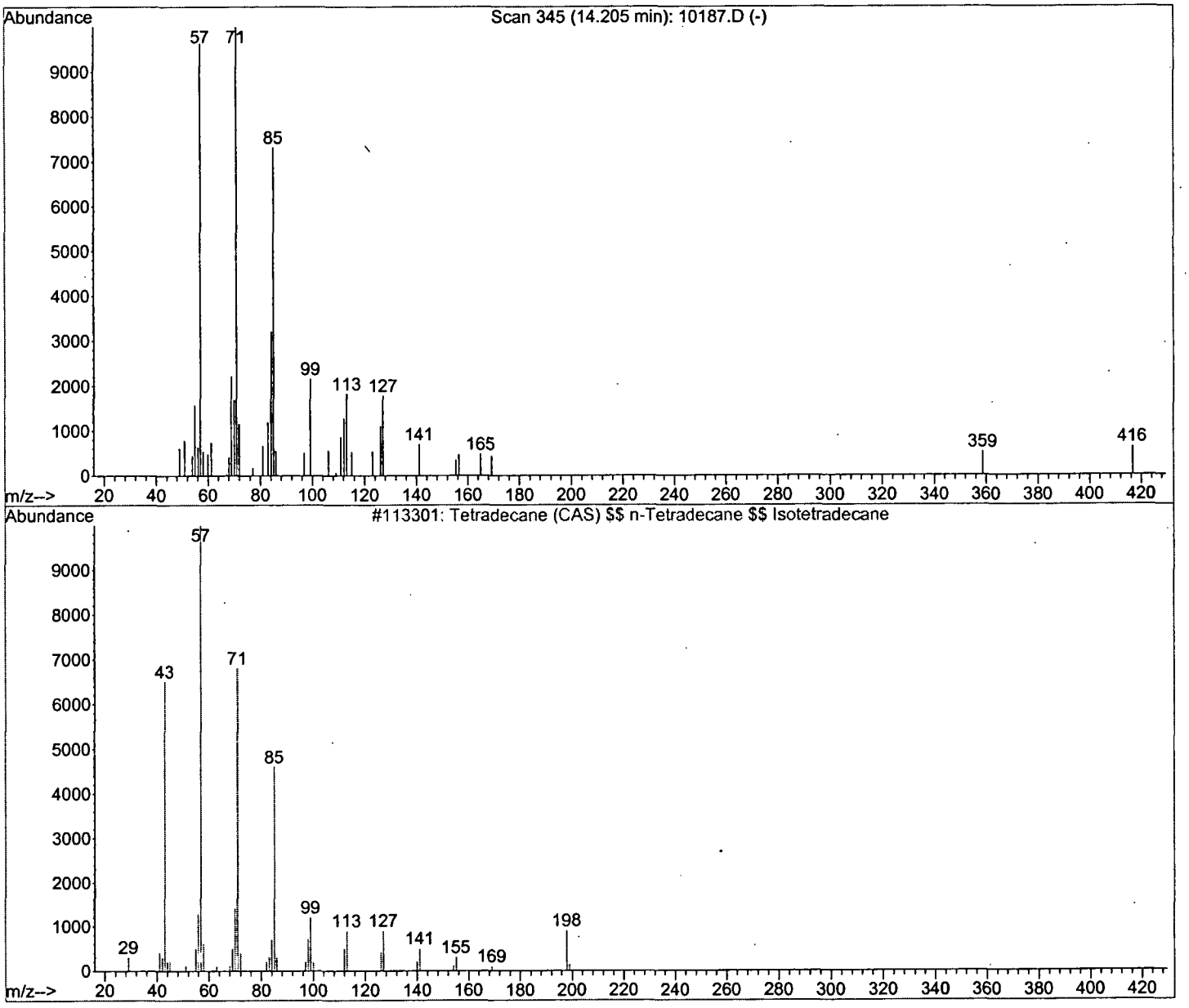
File : C:\MSDCHEM\1\DATA\050202\10187.D
Operator : Bohlk / Inst 213
Acquired : 2 May 2002 7:46 pm using AcqMethod 050102
Instrument : Instrumen
Sample Name: SAMPLE 10187 4/30/02
Misc Info :
Vial Number: 23
Quant File :050102.RES (RTE Integrator)



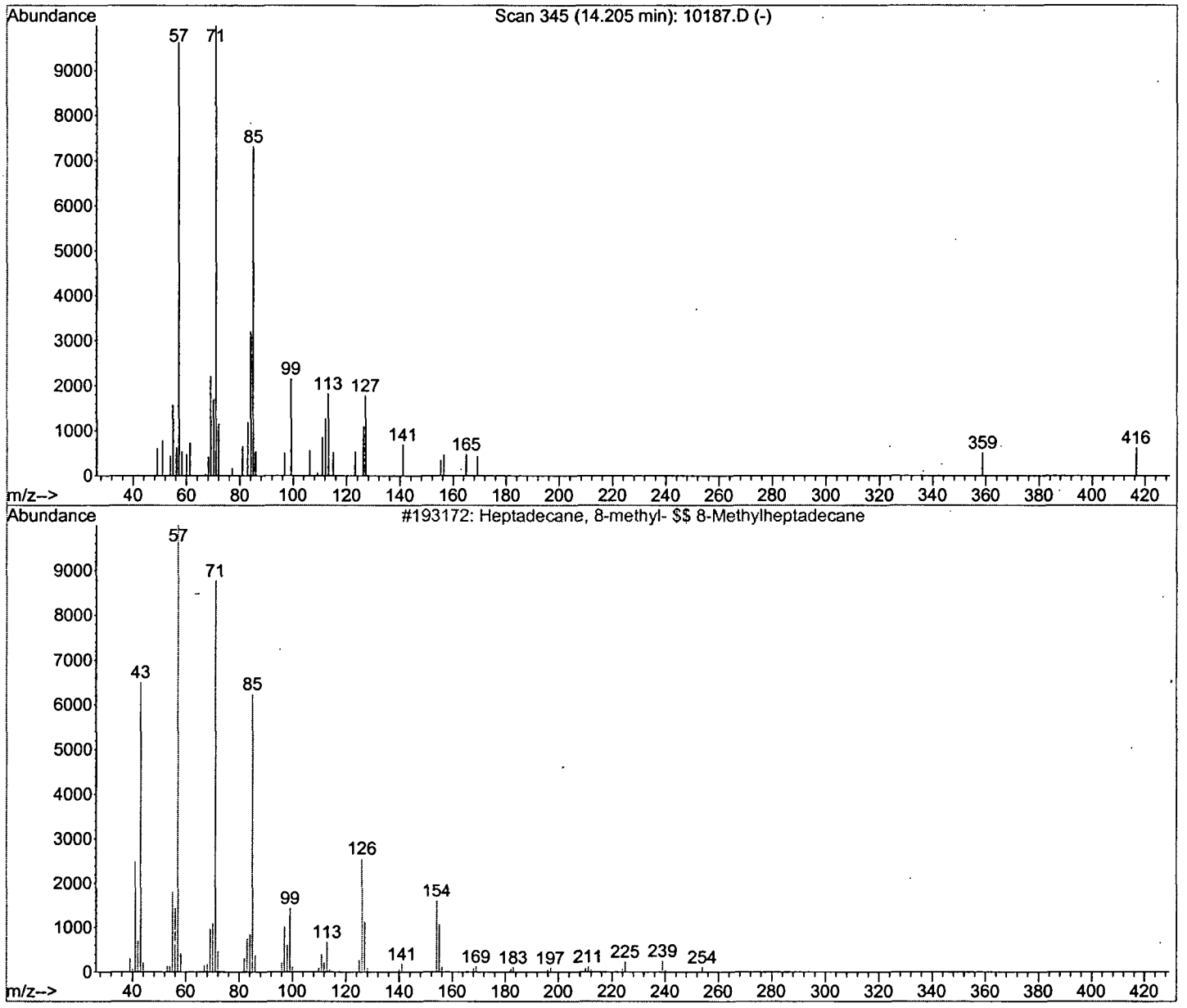
Library Searched : C:\Database\wiley7n.l
Quality : 80
ID : Undecane (CAS) $$ n-Undecane $$ Hendecane $$ n-C11H24 $$ UN 2330



Library Searched : C:\Database\wiley7n.l
Quality : 78
ID : Tetradecane (CAS) $$ n-Tetradecane $$ Isotetradecane



Library Searched : C:\Database\wiley7n.l
Quality : 72
ID : Heptadecane, 8-methyl- $$ 8-Methylheptadecane



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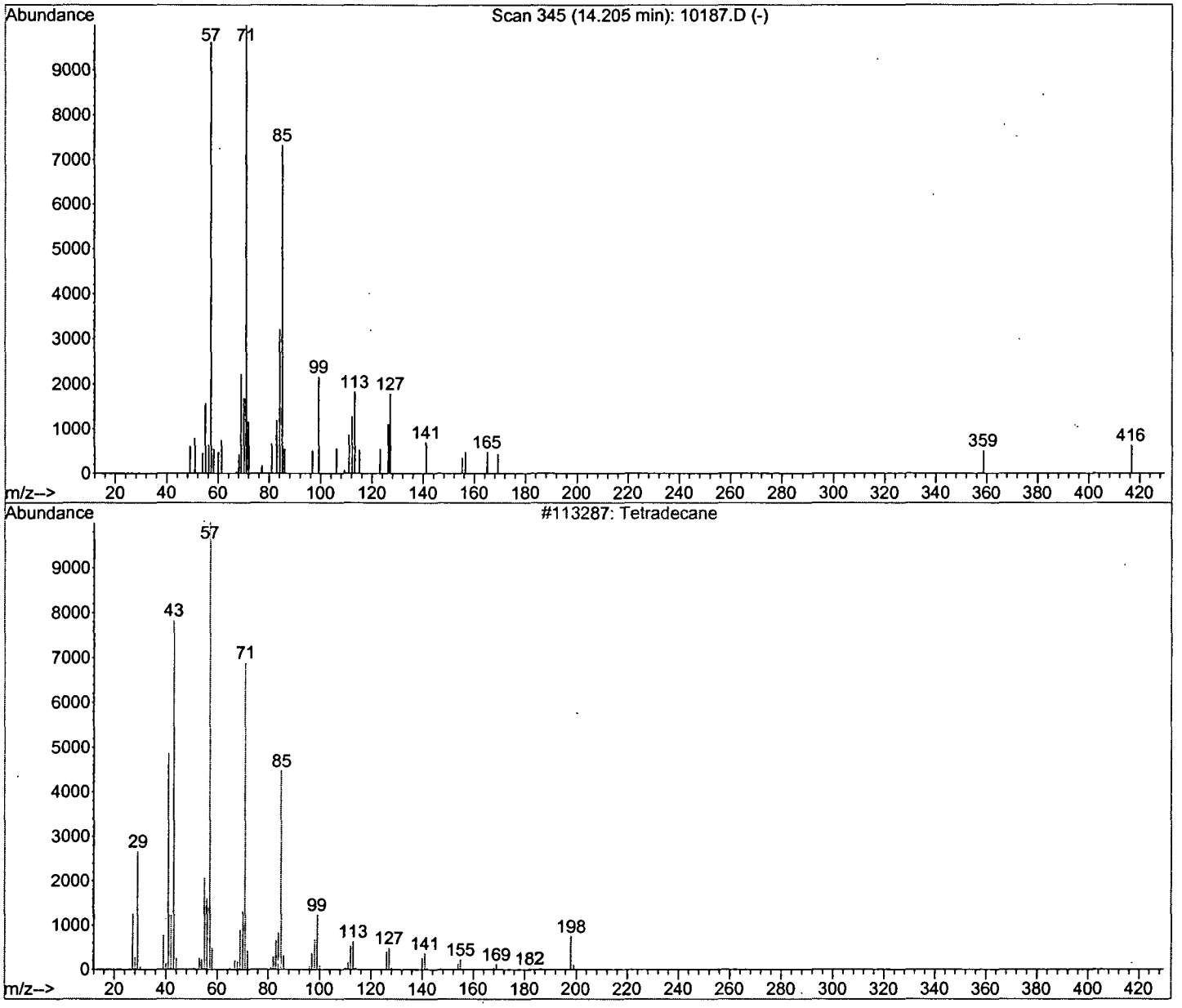
Quality : 72
ID : Tetradecane



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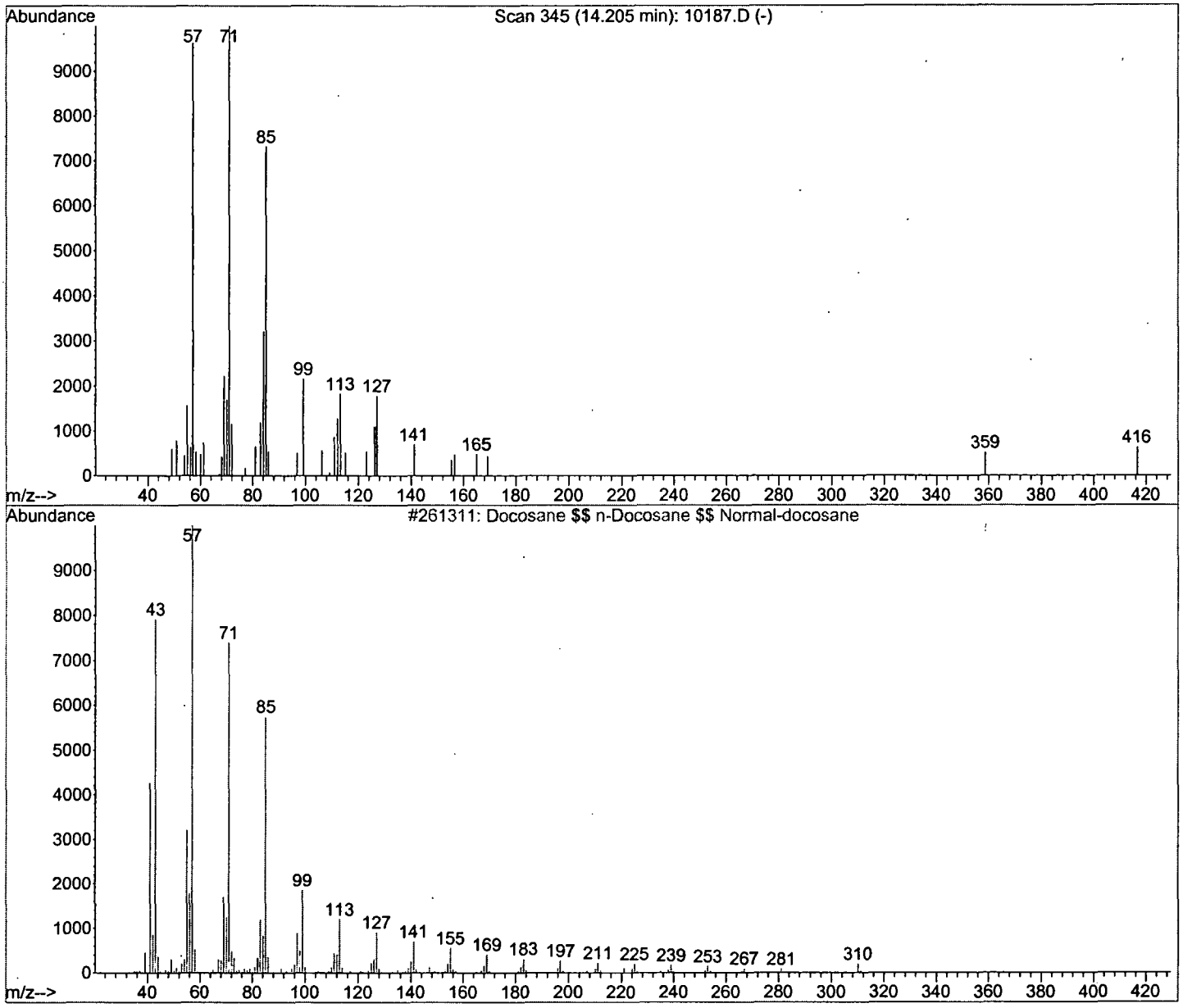
Library Searched : C:\Database\wiley7n.l
Quality          : 72
ID               : Docosane $$ n-Docosane $$ Normal-docosane
```



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

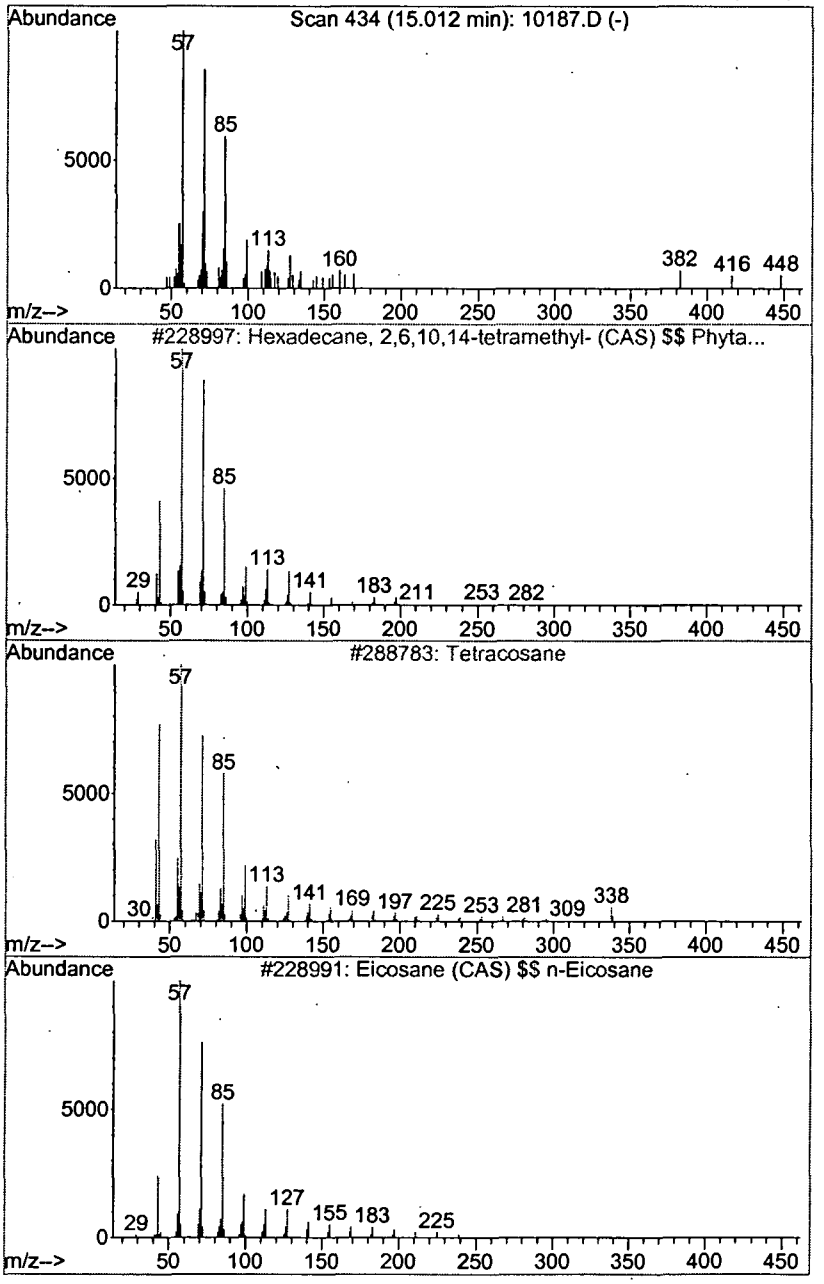
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

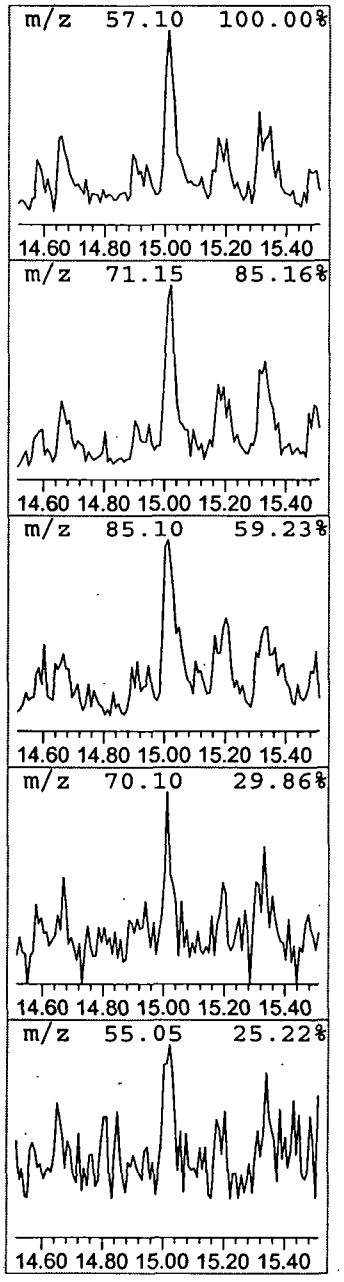
****

Peak Number 1 Hexadecane, 2,6,10,14-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	0.09 ug/L	188375	Acenaphthene-d10	17.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethy...	282	C20H42	000638-36-8	72
2	Tetracosane	338	C24H50	000646-31-1	72
3	Eicosane (CAS) $$ n-Eicosane	282	C20H42	000112-95-8	72
4	Nonadecane	268	C19H40	000629-92-5	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

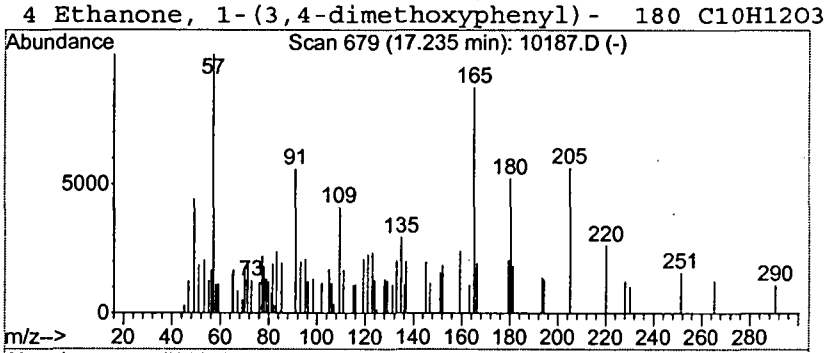
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

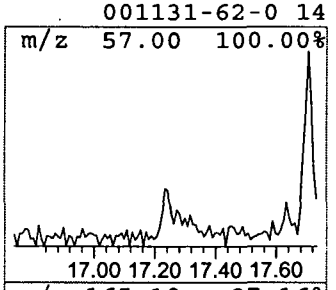
****

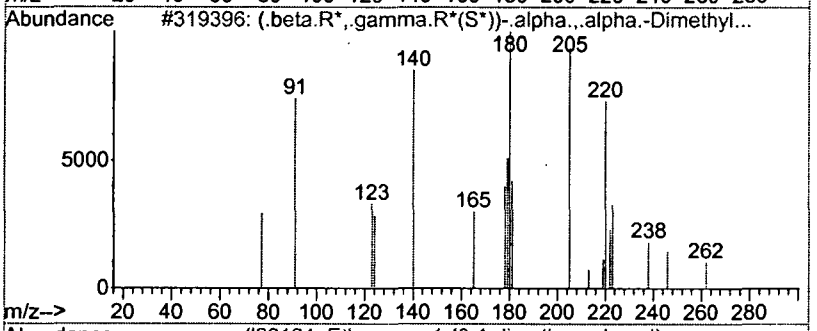
Peak Number 2 (.beta.R*,.gamma.R*(S*))-.a... Concentration Rank 12

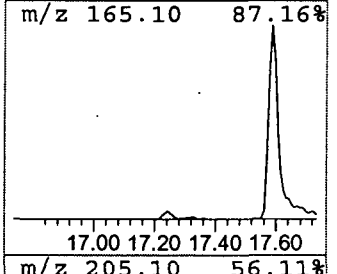
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	0.09 ug/L	179856	Acenaphthene-d10	17.59

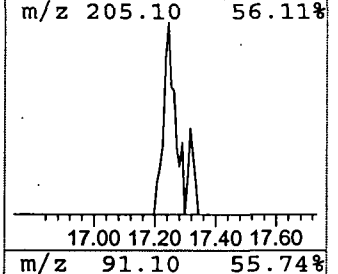
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(.beta.R*,.gamma.R*(S*))-.alpha....	378	C24H26O2S	073089-61-9	22
2	Ethanone, 1-(3,4-dimethoxyphenyl)-	180	C10H12O3	001131-62-0	14
3	Silane, trimethyl(4-methylphenox...	180	C10H16OSi	017902-32-8	14
4	Ethanone, 1-(3,4-dimethoxyphenyl)-	180	C10H12O3	001131-62-0	14

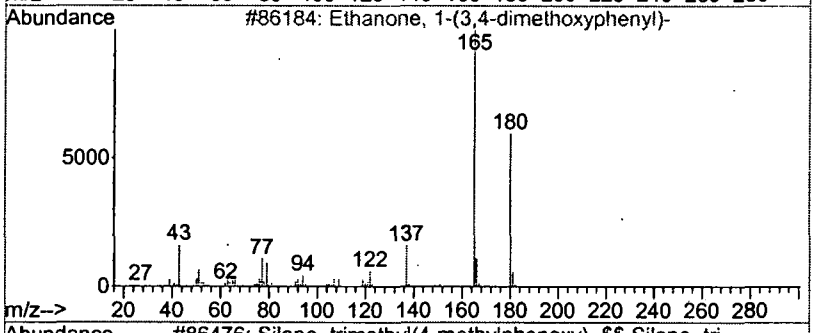


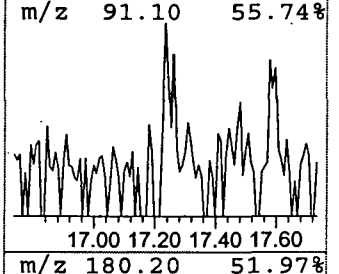


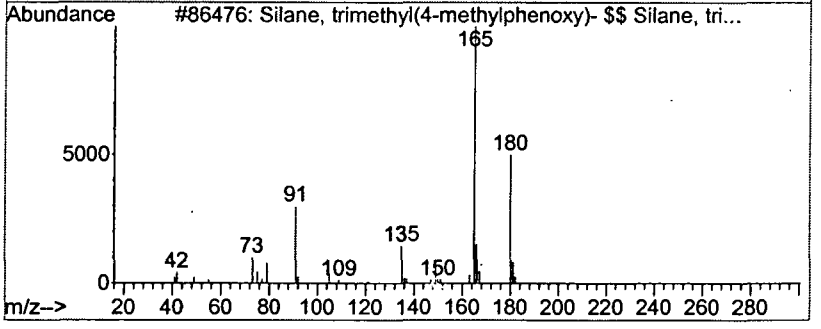


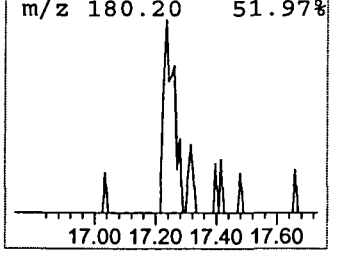












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

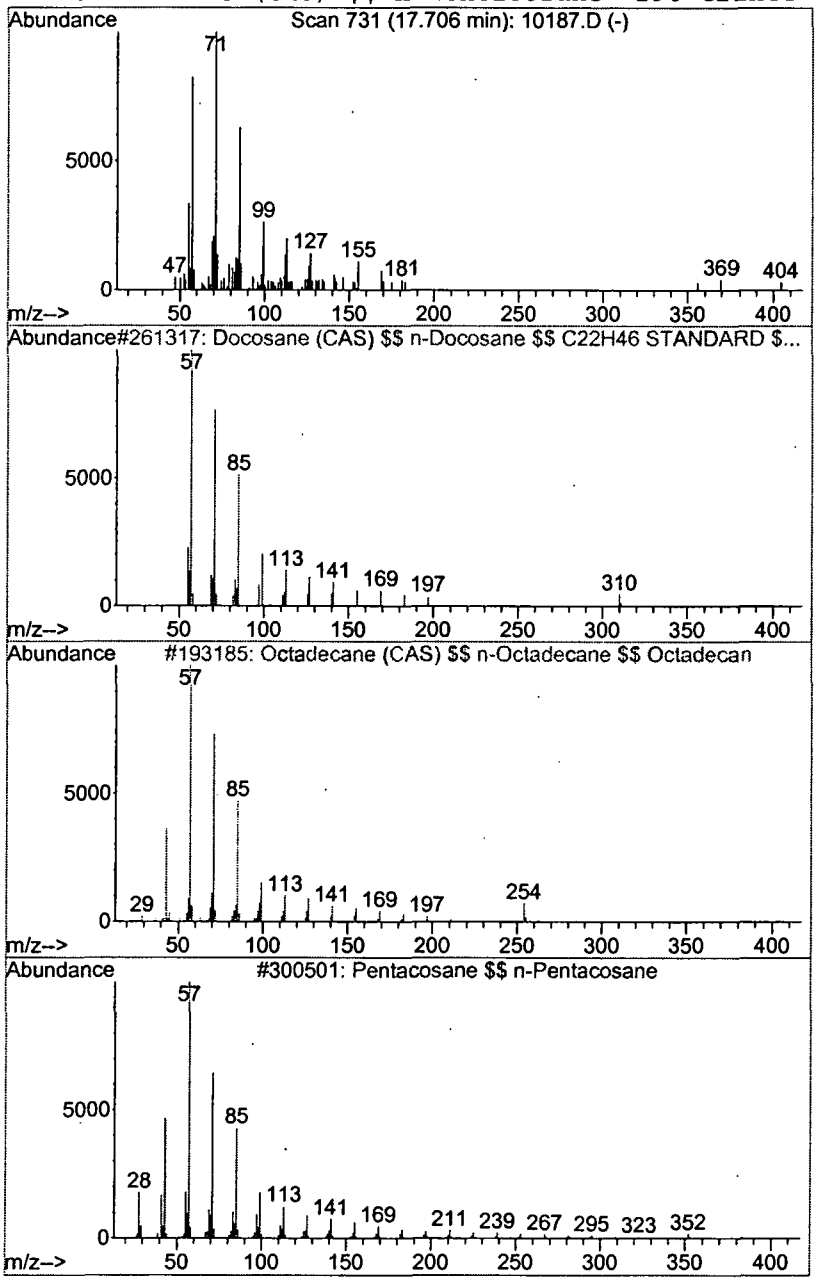
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

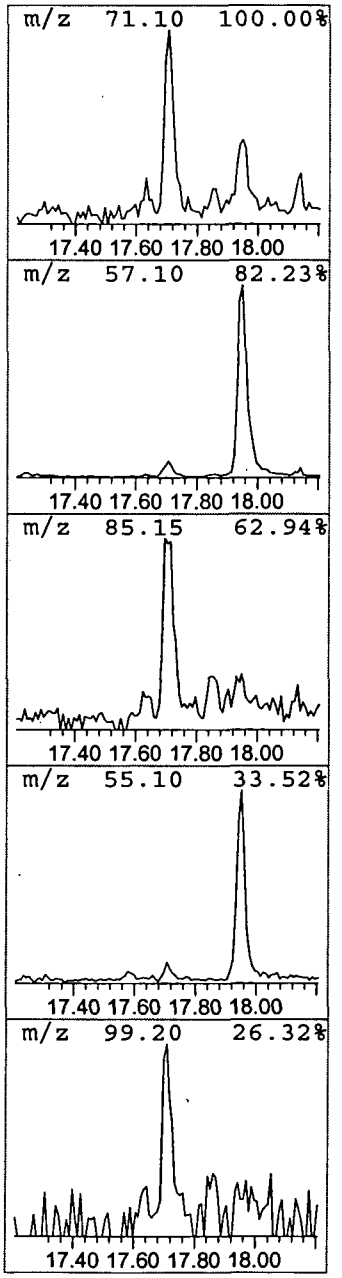
****

Peak Number 3 Docosane (CAS) $$ n-Docosan... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	0.38 ug/L	780925	Acenaphthene-d10	17.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane (CAS) $$ n-Docosane $$ ...	310	C22H46	000629-97-0	90
2	Octadecane (CAS) $$ n-Octadecane...	254	C18H38	000593-45-3	90
3	Pentacosane $$ n-Pentacosane	352	C25H52	000629-99-2	86
4	Heneicosane (CAS) $$ n-Heneicosane	296	C21H44	000629-94-7	86





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

****

Peak Number 4 BUTYL HYDROXY TOLUENE Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	4.58 ug/L	9381060	Acenaphthene-d10	17.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	BUTYL HYDROXY TOLUENE	220	C15H24O	000128-37-0	99
2	Phenol, 2,6-bis(1,1-dimethylethy...	220	C15H24O	000128-37-0	98
3	Phenol, 2,6-bis(1,1-dimethylethy...	220	C15H24O	000128-37-0	98
4	Butylated Hydroxytoluene $$ Phen...	220	C15H24O	000128-37-0	98

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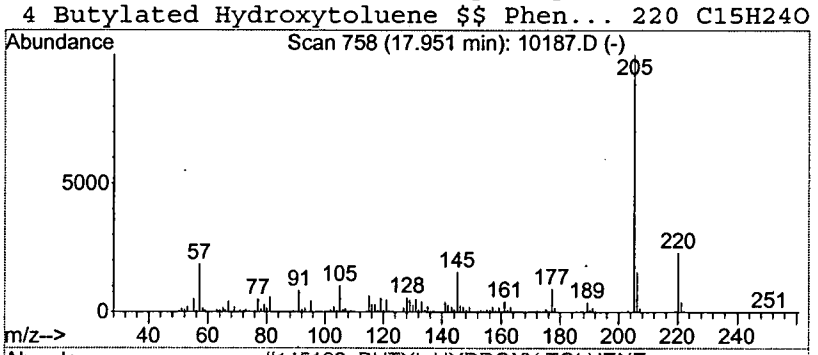
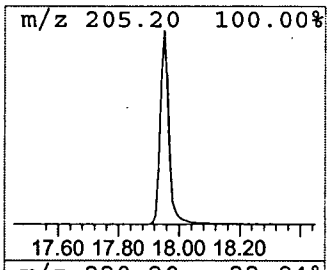
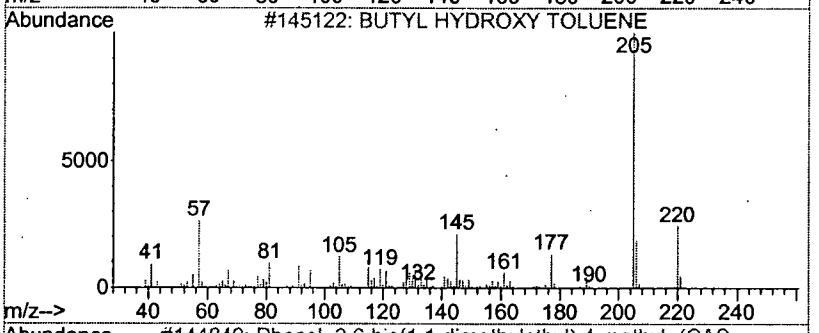
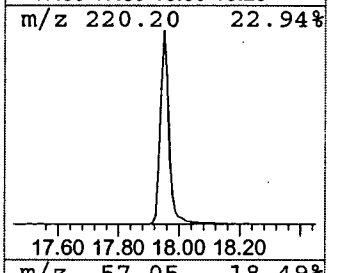
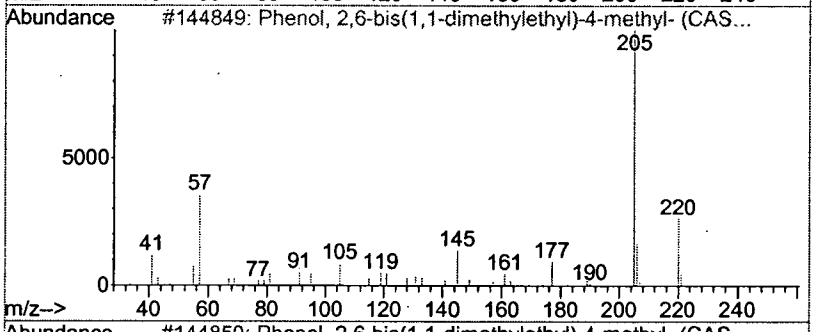
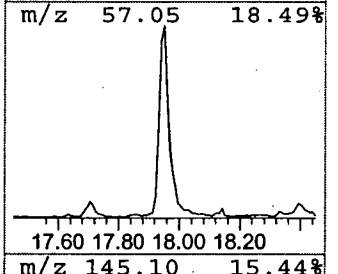


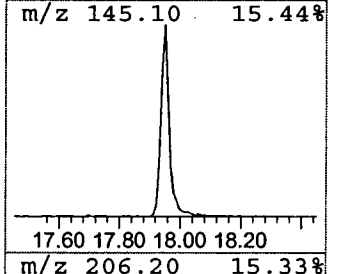


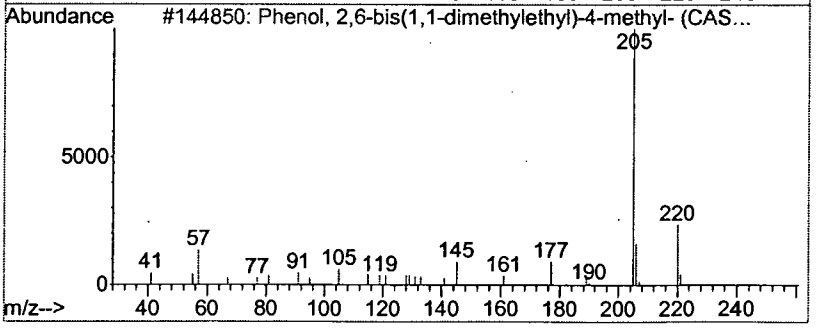


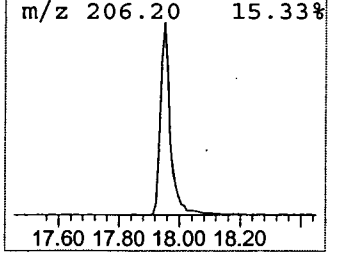












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

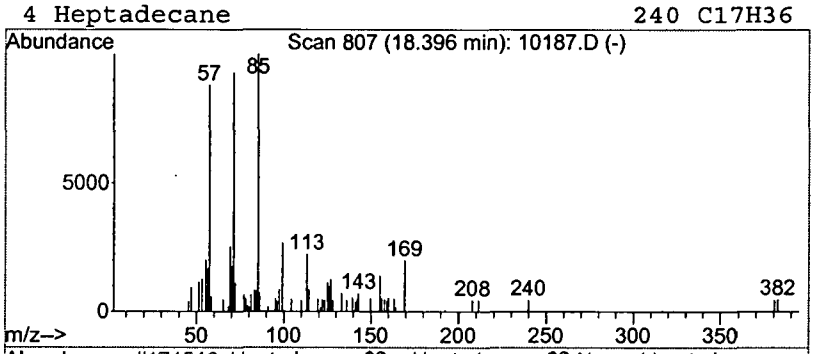
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

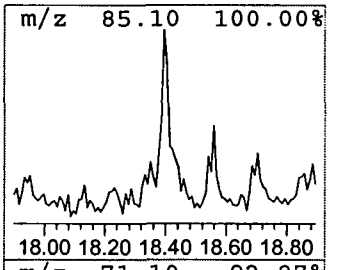
****

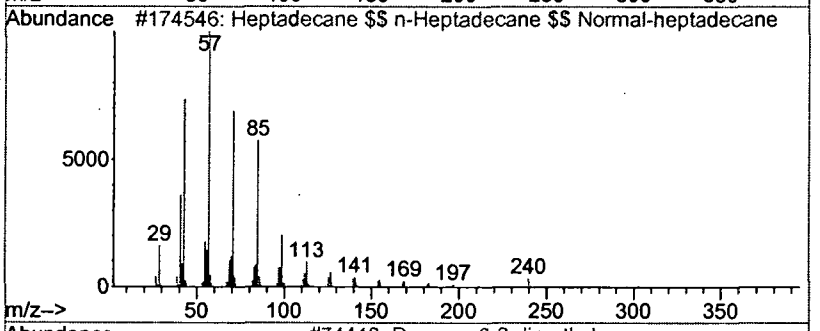
Peak Number 5 Heptadecane $$ n-Heptadecan... Concentration Rank 7

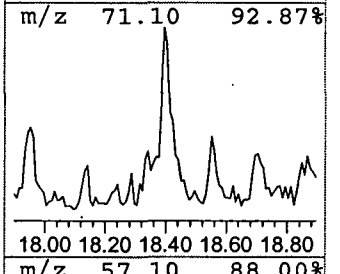
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	0.16 ug/L	325166	Acenaphthene-d10	17.59

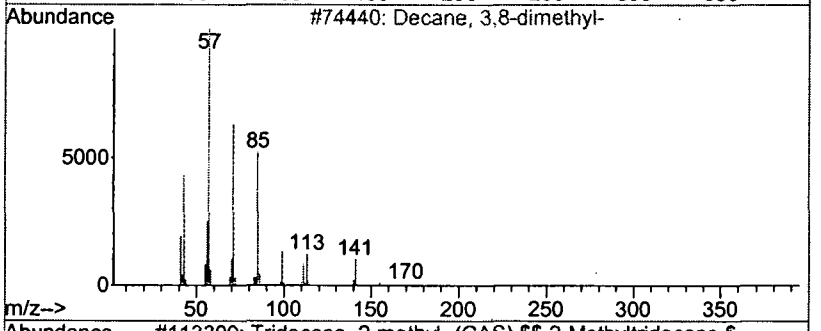
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane $$ n-Heptadecane $$ ...	240	C17H36	000629-78-7	64
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
3	Tridecane, 2-methyl- (CAS) $$ 2-...	198	C14H30	001560-96-9	47
4	Heptadecane	240	C17H36	000629-78-7	46

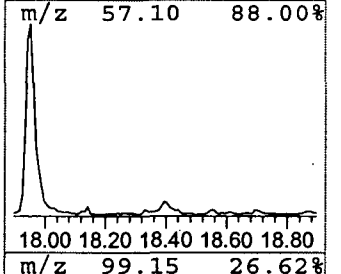


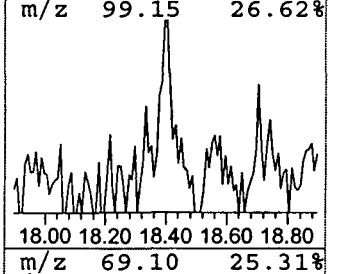


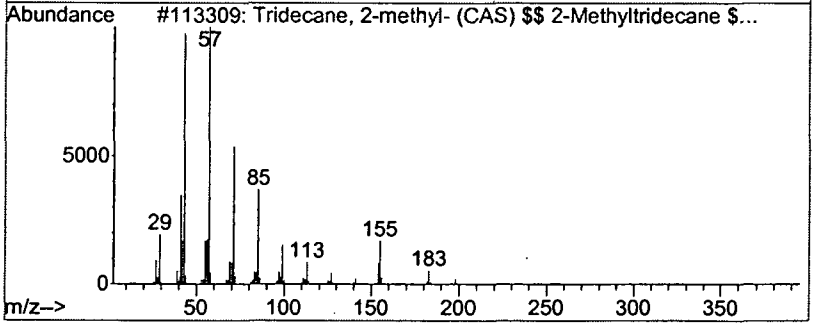


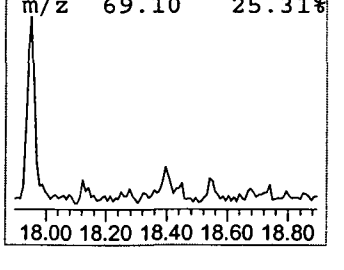












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

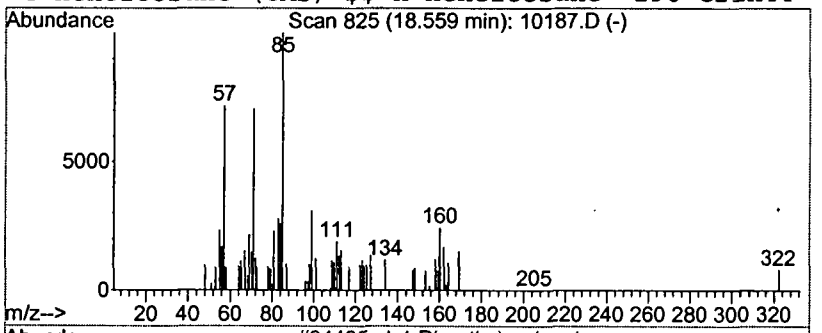
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

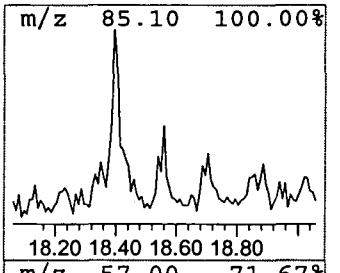
****

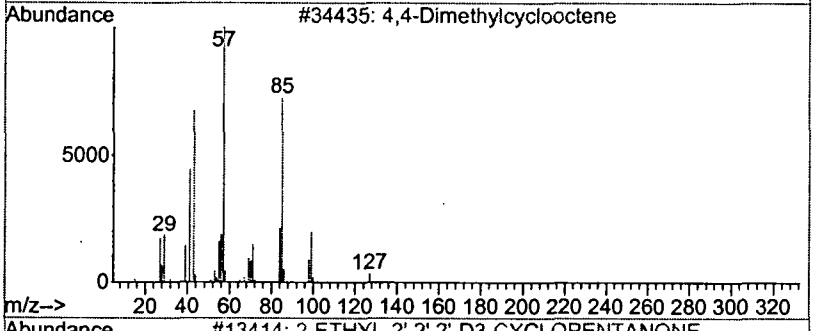
Peak Number 6 4,4-Dimethylcyclooctene Concentration Rank 13

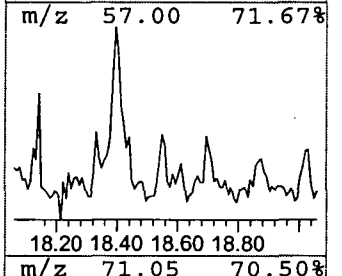
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	0.09 ug/L	177774	Acenaphthene-d10	17.59

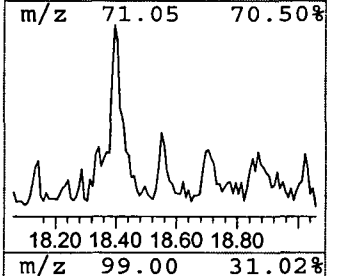
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dimethylcyclooctene	138	C10H18	000000-00-0	43
2	2-ETHYL-2',2',2'-D3-CYCLOPENTANONE	115	C7H9D3O	032454-48-1	38
3	Tetradecane (CAS) $$ n-Tetradeca...	198	C14H30	000629-59-4	35
4	Heneicosane (CAS) $$ n-Heneicosane	296	C21H44	000629-94-7	35

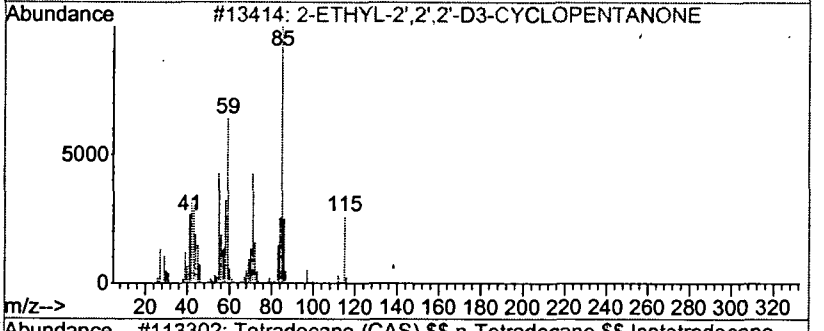


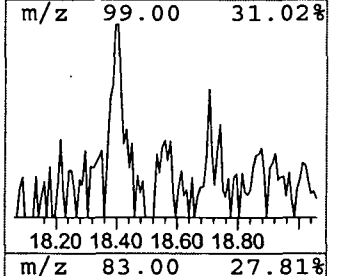


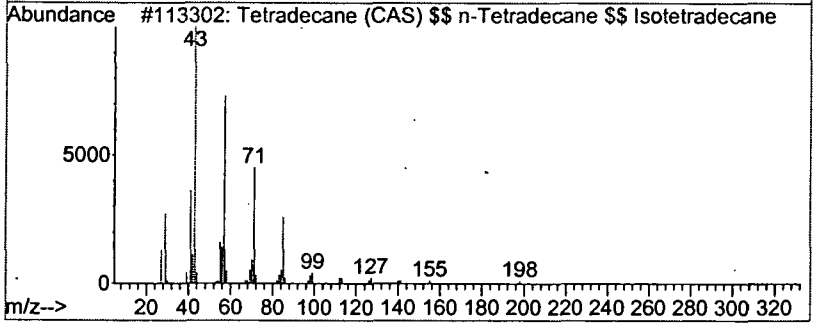


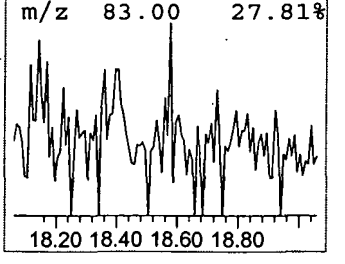












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

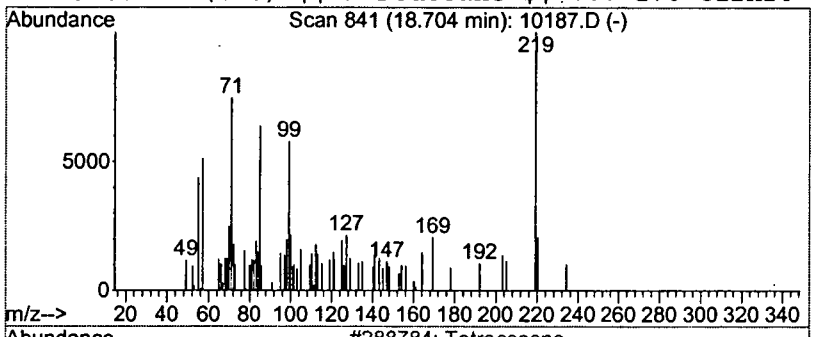
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

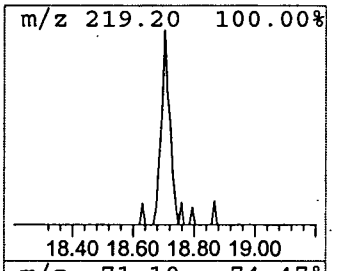
****

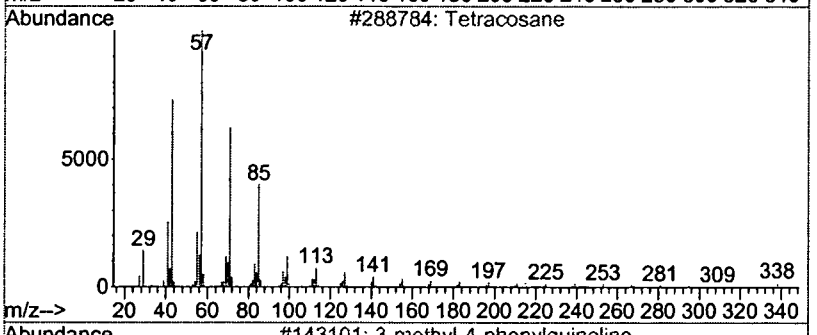
Peak Number 7 Tetracosane Concentration Rank 14

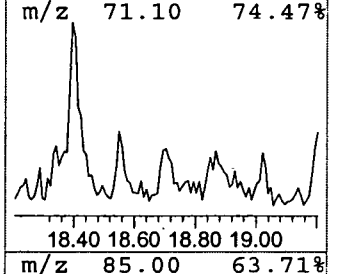
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	0.07 ug/L	150597	Acenaphthene-d10	17.59

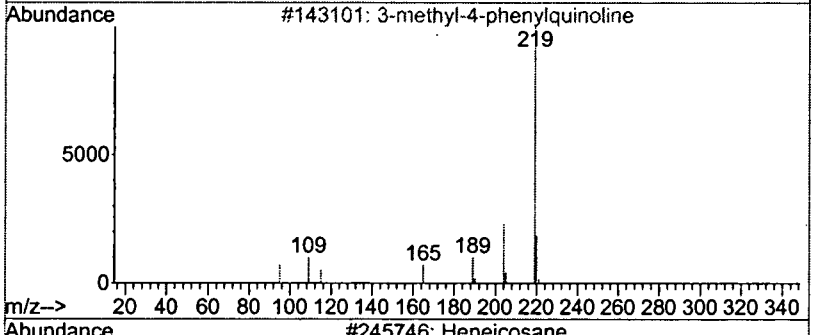
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	35
2	3-methyl-4-phenylquinoline	219	C16H13N	000000-00-0	35
3	Heneicosane	296	C21H44	000629-94-7	27
4	Dodecane (CAS) $$ n-Dodecane $$ ...	170	C12H26	000112-40-3	27

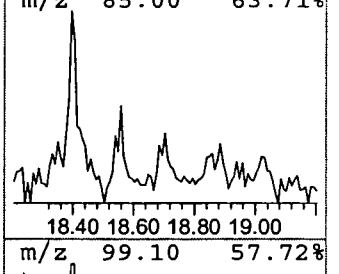


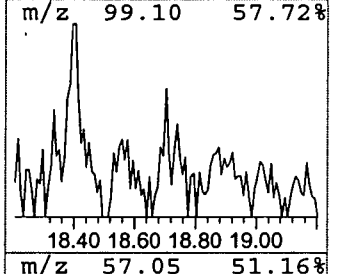


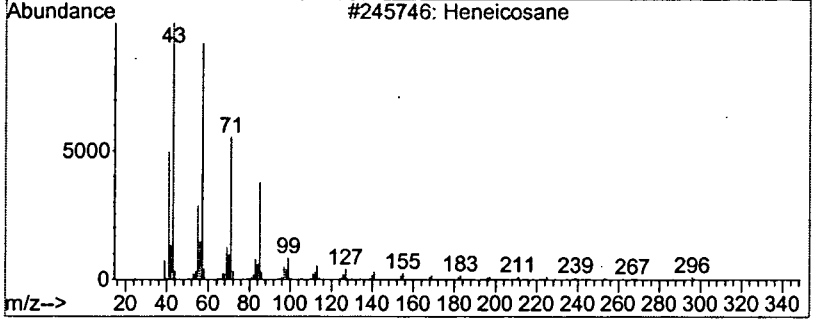


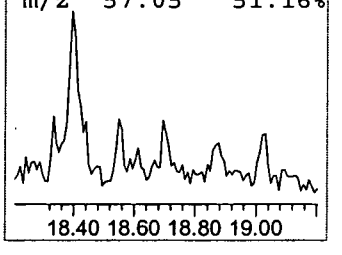












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

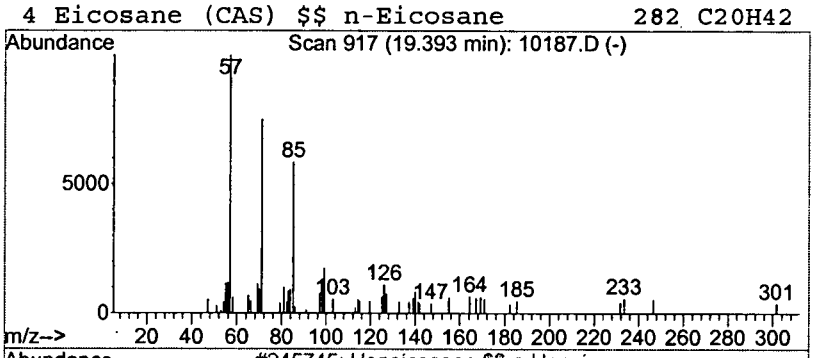
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

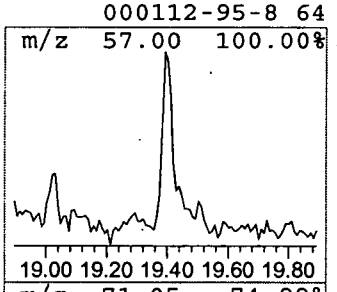
****

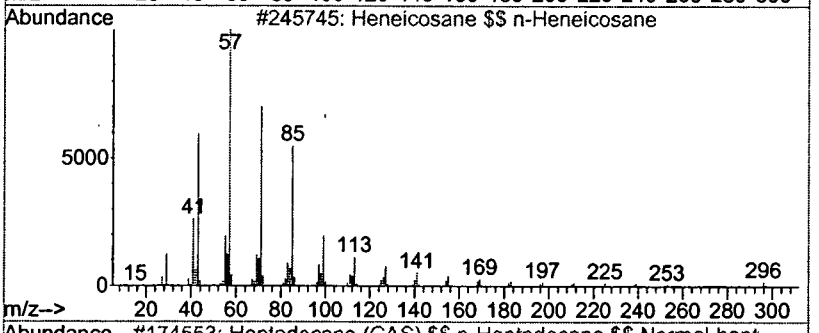
Peak Number 8 Heneicosane $$ n-Heneicosane Concentration Rank 16

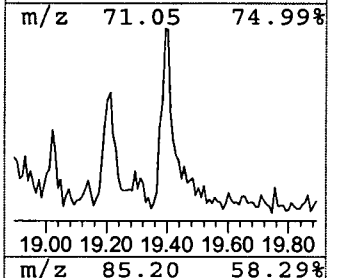
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	0.06 ug/L	130729	Acenaphthene-d10	17.59

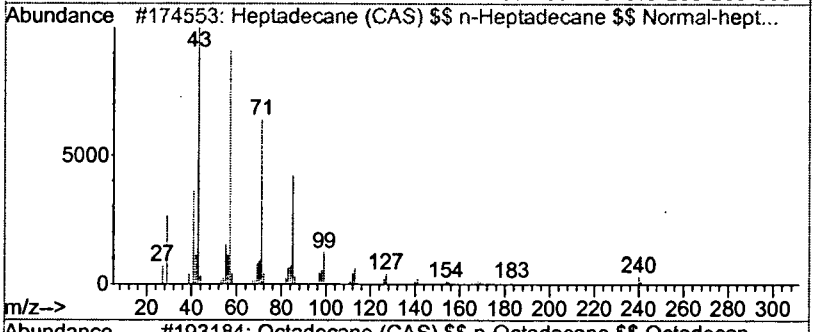
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	68
2	Heptadecane (CAS) $$ n-Heptadeca...	240	C17H36	000629-78-7	64
3	Octadecane (CAS) $$ n-Octadecane...	254	C18H38	000593-45-3	64
4	Eicosane (CAS) $$ n-Eicosane	282	C20H42	000112-95-8	64

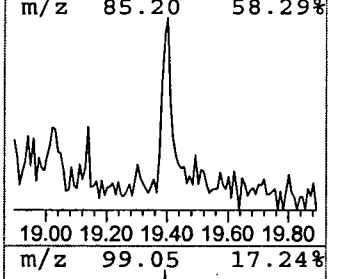


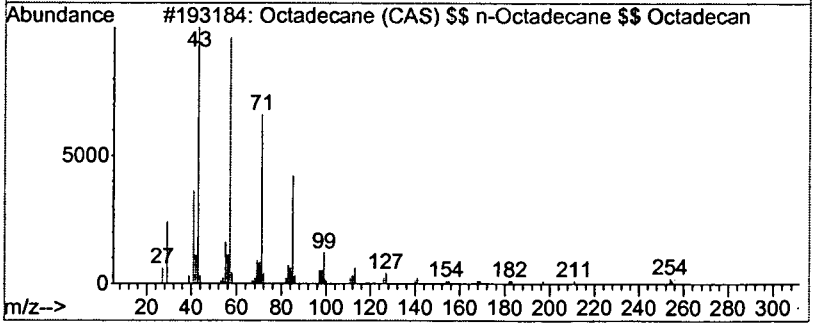


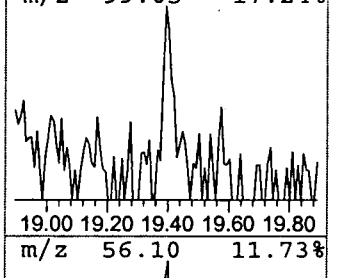


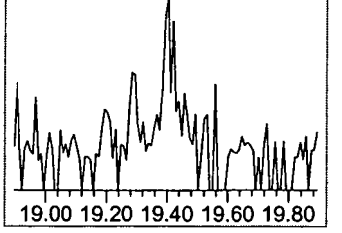












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

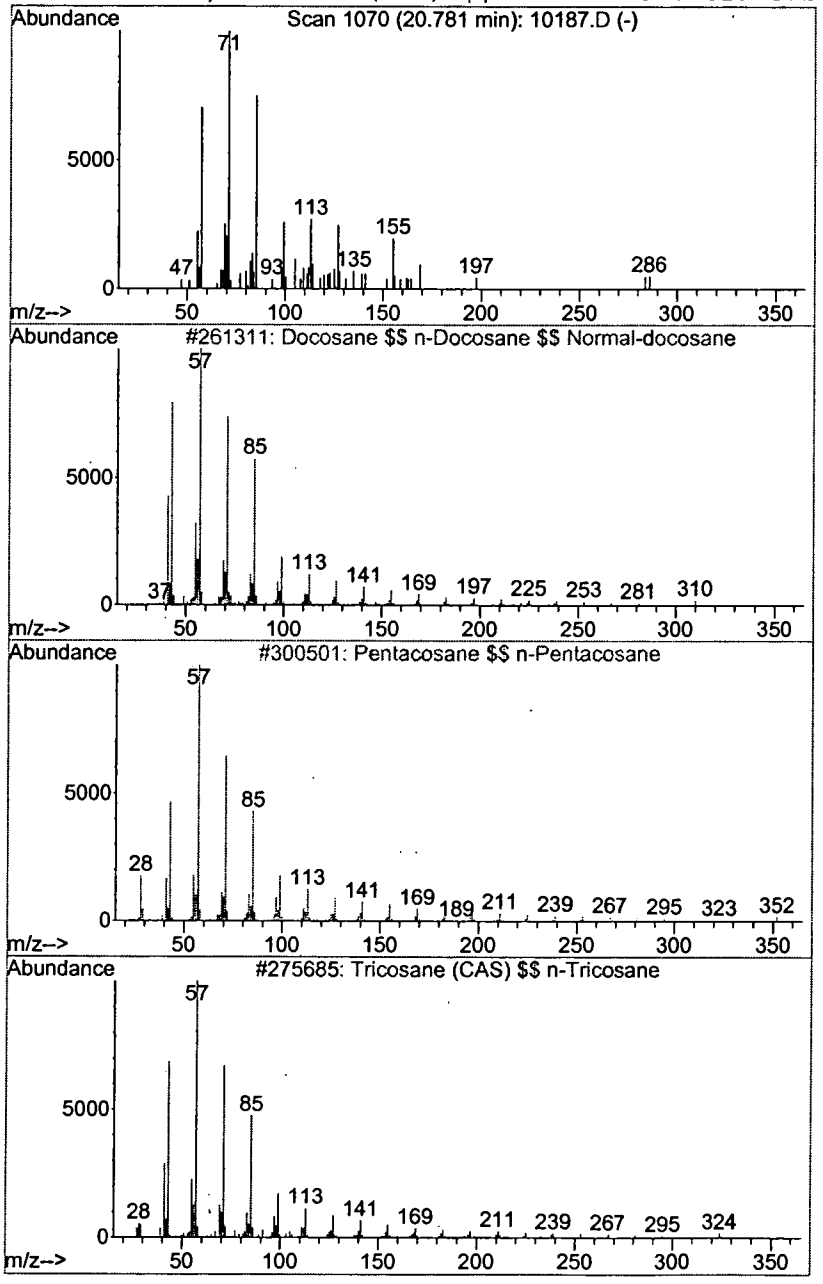
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

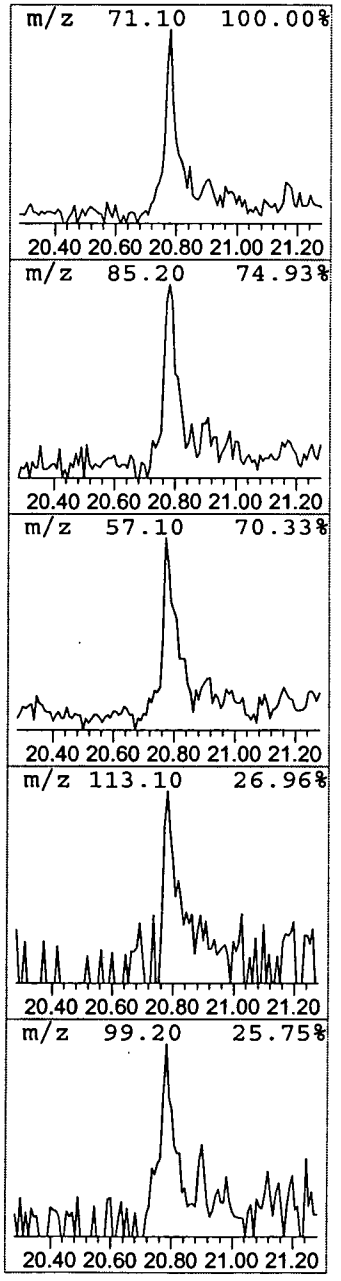
****

Peak Number 9 Docosane $$ n-Docosane $$ N... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	0.13 ug/L	279232	Phenanthrene d-10	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane $$ n-Docosane $$ Normal...	310	C22H46	000629-97-0	64
2	Pentacosane $$ n-Pentacosane	352	C25H52	000629-99-2	64
3	Tricosane (CAS) $$ n-Tricosane	324	C23H48	000638-67-5	64
4	Tridecane, 1-iodo- (CAS) $$ 1 IO...	310	C13H27I	035599-77-0	53





Library Search Compound Report

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Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

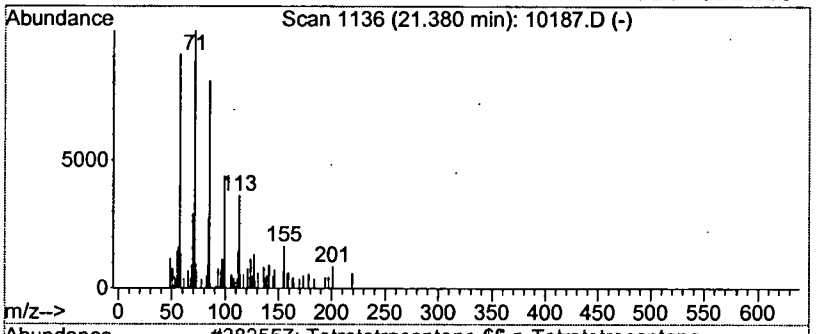
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

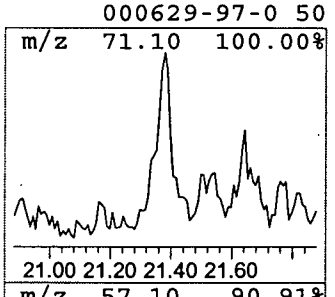
****

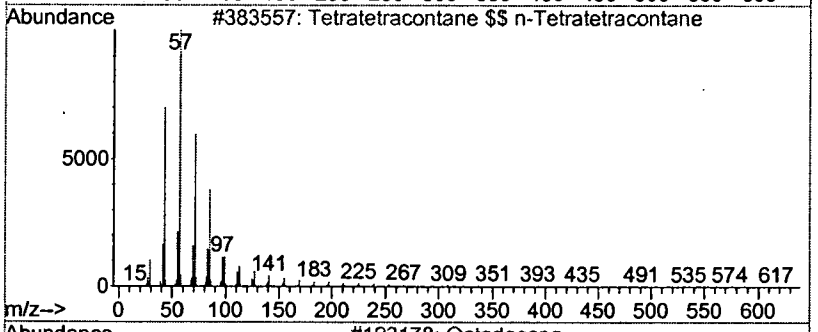
Peak Number 10 Tetratetracontane $$ n-Tetr... Concentration Rank 6

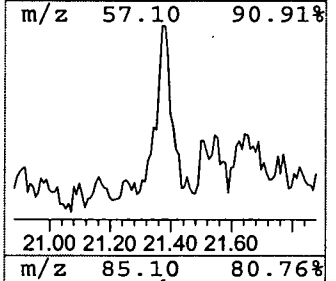
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	0.17 ug/L	384723	Phenanthrene d-10	21.89

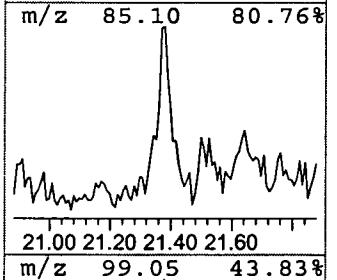
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane $$ n-Tetratetr...	619	C44H90	007098-22-8	59
2	Octadecane	254	C18H38	000593-45-3	53
3	Pentacosane	352	C25H52	000629-99-2	53
4	Docosane	310	C22H46	000629-97-0	50

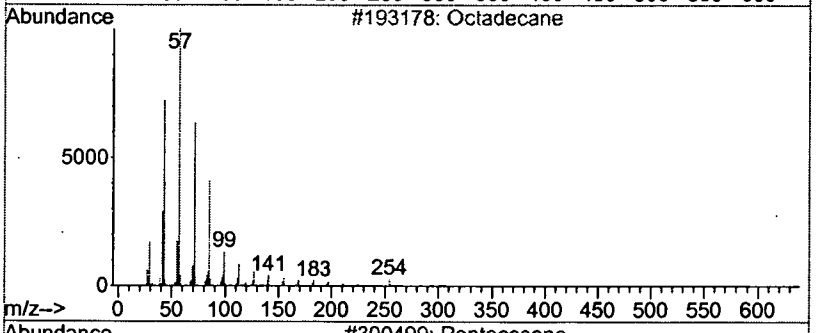


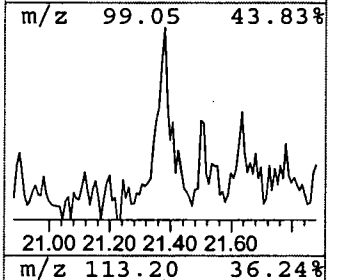


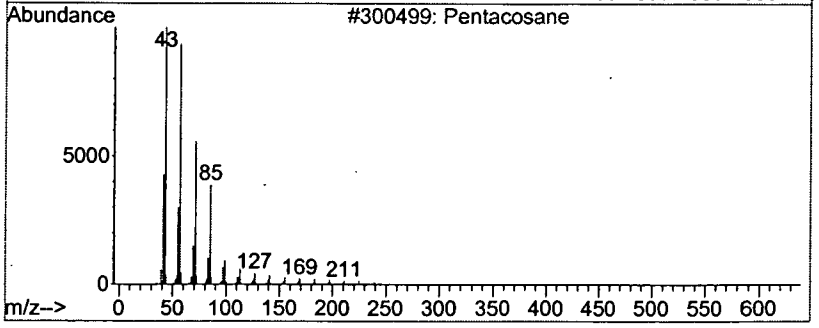


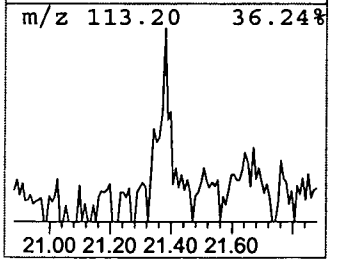












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

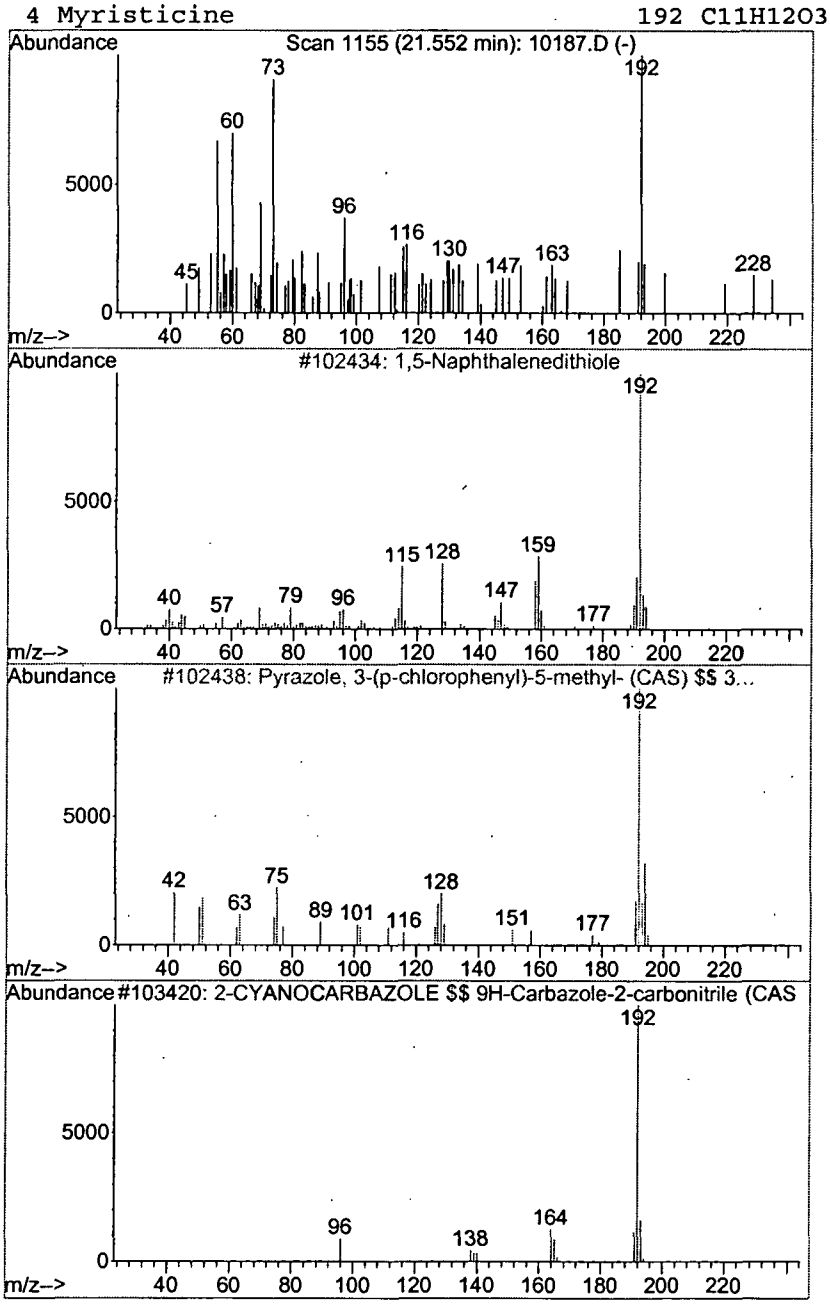
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

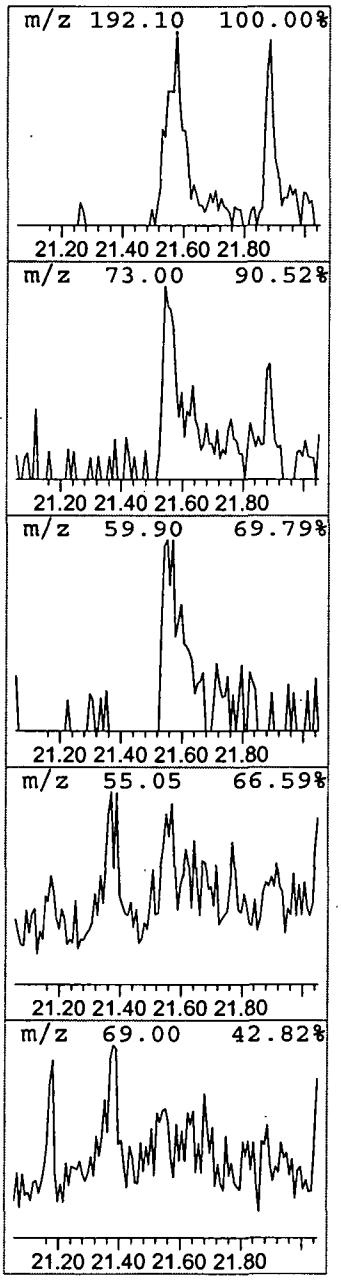
****

Peak Number 11 1,5-Naphthalenedithiole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	0.06 ug/L	122740	Phenanthrene d-10	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Naphthalenedithiole	192	C10H8S2	000000-00-0	38
2	Pyrazole, 3-(p-chlorophenyl)-5-m...	192	C10H9ClN2	017629-27-5	35
3	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	27
4	Myristicine	192	C11H12O3	000000-00-0	25





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Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
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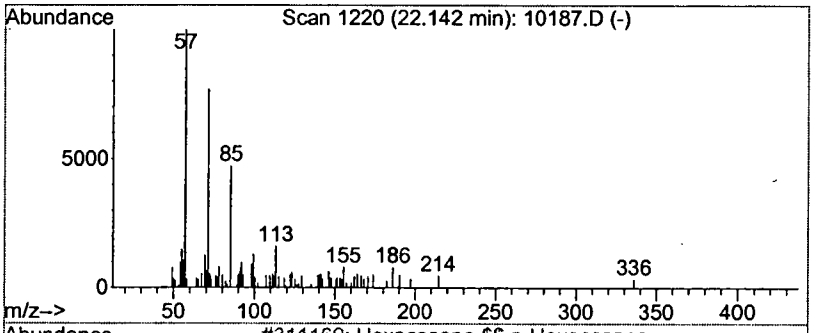
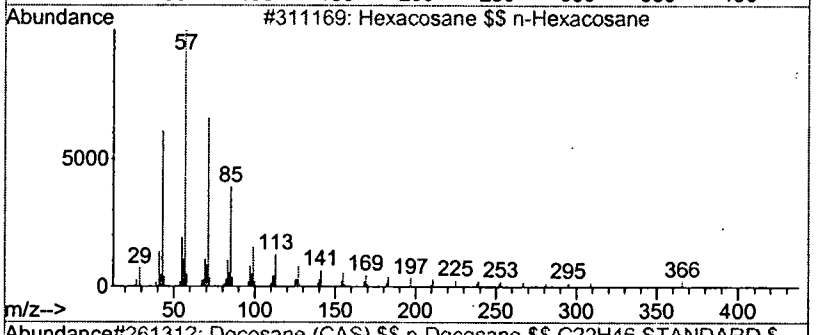
****

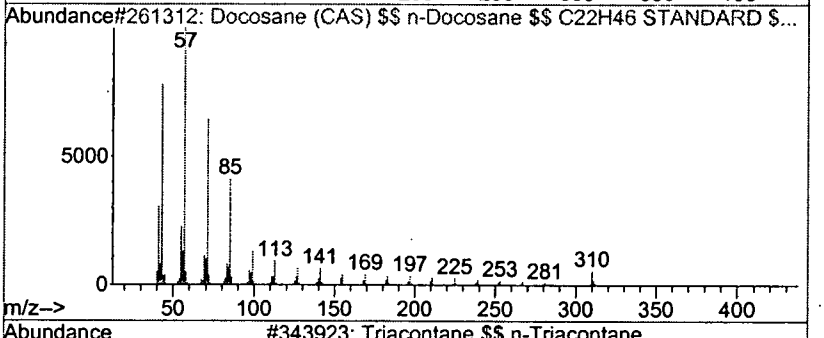
Peak Number 12 Hexacosane $$ n-Hexacosane Concentration Rank 9

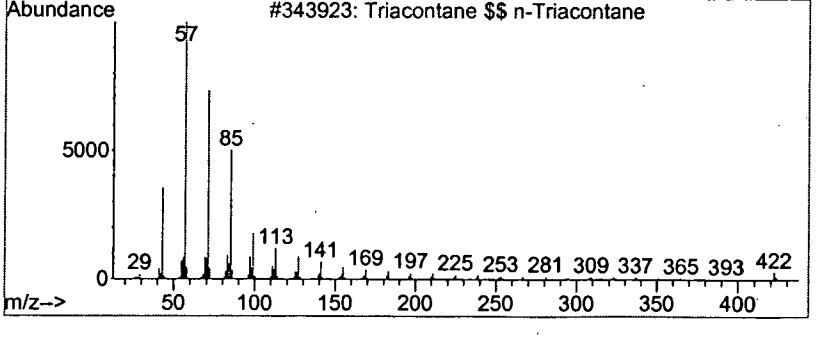
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	0.10 ug/L	233673	Phenanthrene d-10	21.89

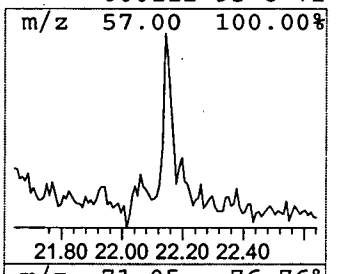
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane $$ n-Hexacosane	366	C26H54	000630-01-3	80
2	Docosane (CAS) $$ n-Docosane $$ ...	310	C22H46	000629-97-0	72
3	Triacontane $$ n-Triacontane	422	C30H62	000638-68-6	72
4	Eicosane	282	C20H42	000112-95-8	72

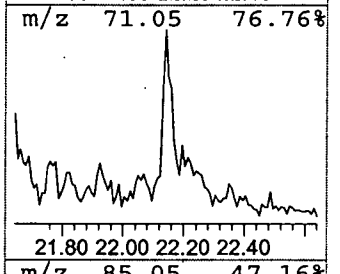


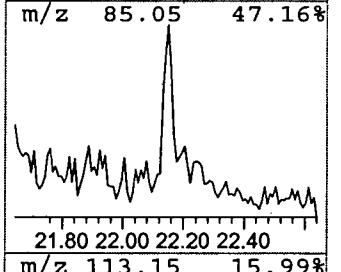


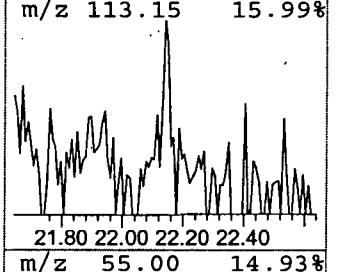


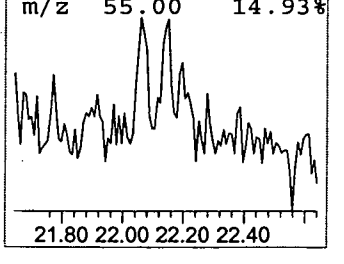












Library Search Compound Report

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Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

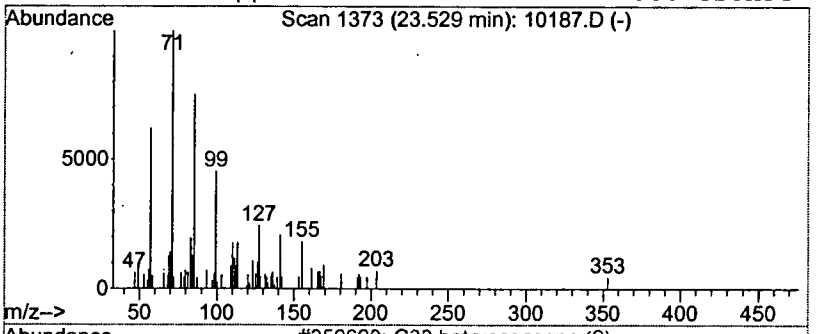
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

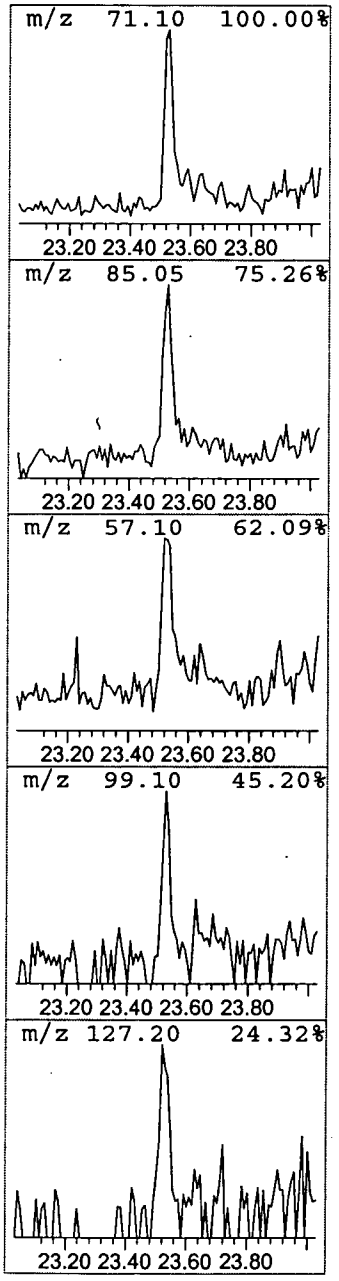
****

Peak Number 13 C33 botryococcane (9) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	0.10 ug/L	224082	Phenanthrene d-10	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	C33 botryococcane (9)	465	C33H68	000000-00-0	86
2	Eicosane (CAS) $$ n-Eicosane	282	C20H42	000112-95-8	78
3	Docosane (CAS) $$ n-Docosane $$ ...	310	C22H46	000629-97-0	72
4	Hexacosane $$ n-Hexacosane	366	C26H54	000630-01-3	72





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Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
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MS Integration Params: LSCINT.P

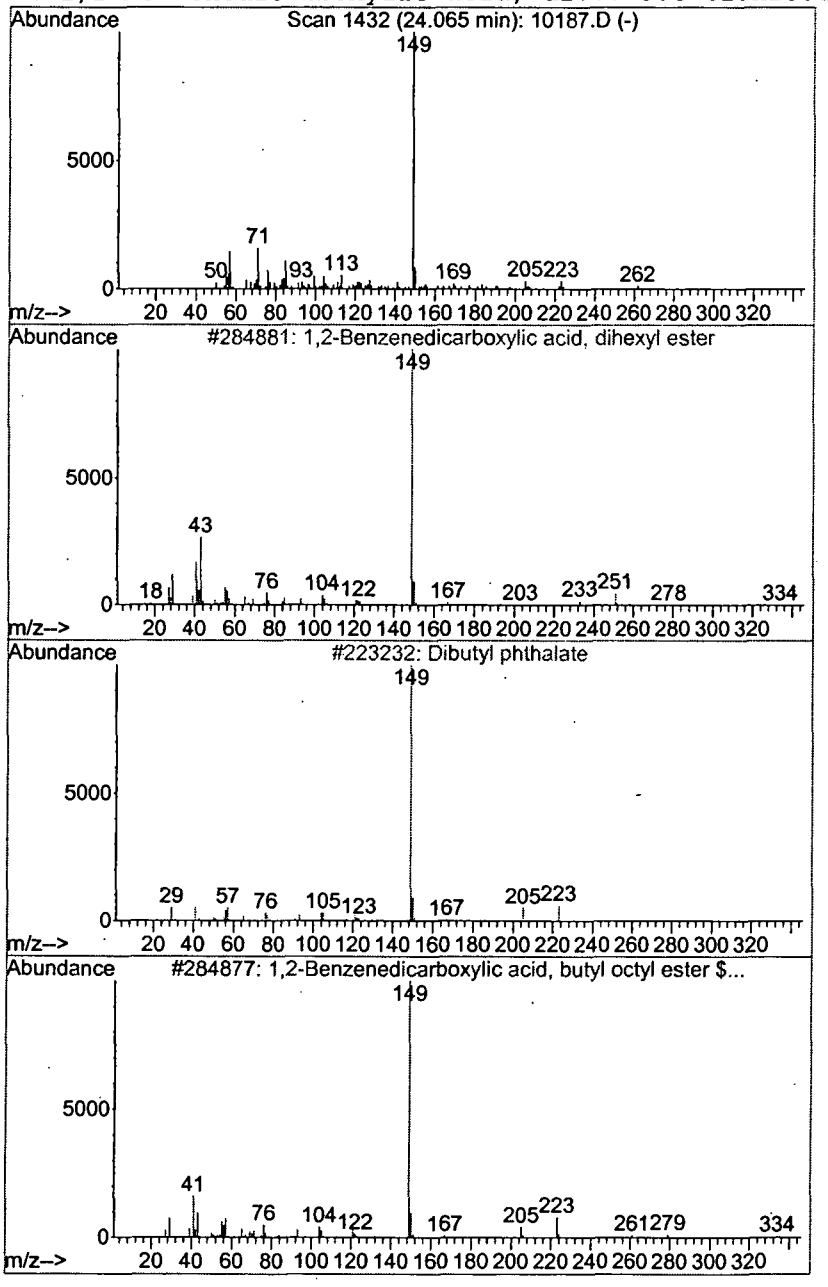
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

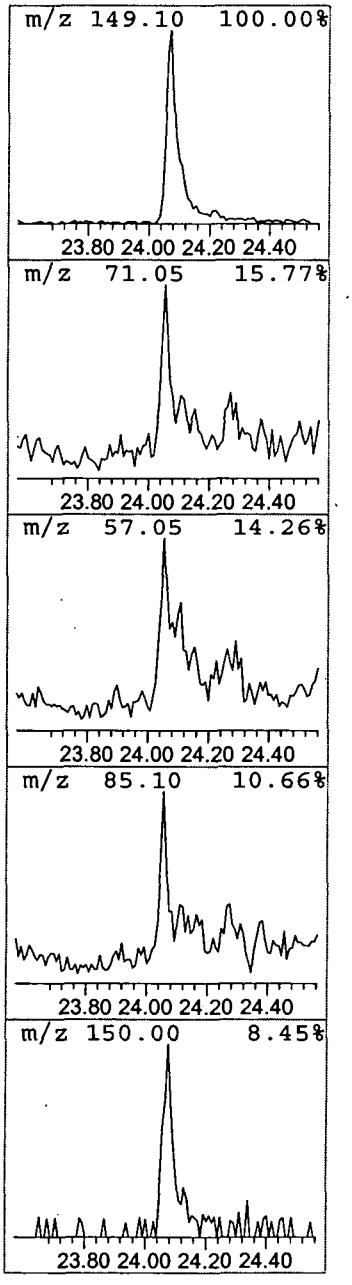
****

Peak Number 14 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	0.20 ug/L	450140	Phenanthrene d-10	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	334	C20H30O4	000084-75-3	59
2	Dibutyl phthalate	278	C16H22O4	000084-74-2	53
3	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	53
4	1,2-Benzenedicarboxylic acid, di...	306	C18H26O4	000131-18-0	53





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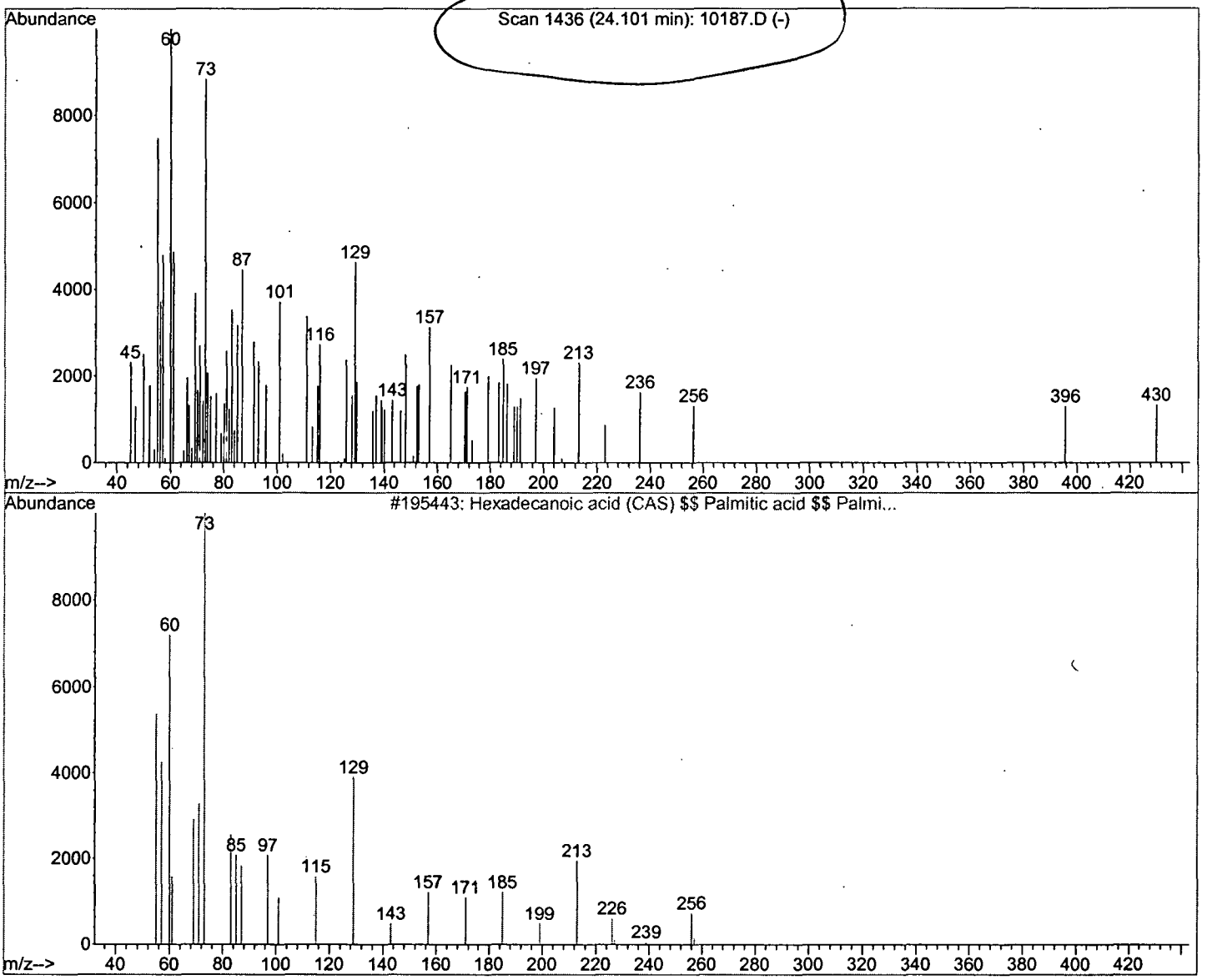

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                   ecoic acid $$ n-Hexadecanoic acid $$ Pentadecanecarboxylic acid $$ 1-P
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                   $ Cetylic acid $$ Emersol 140 $$ Emersol 143
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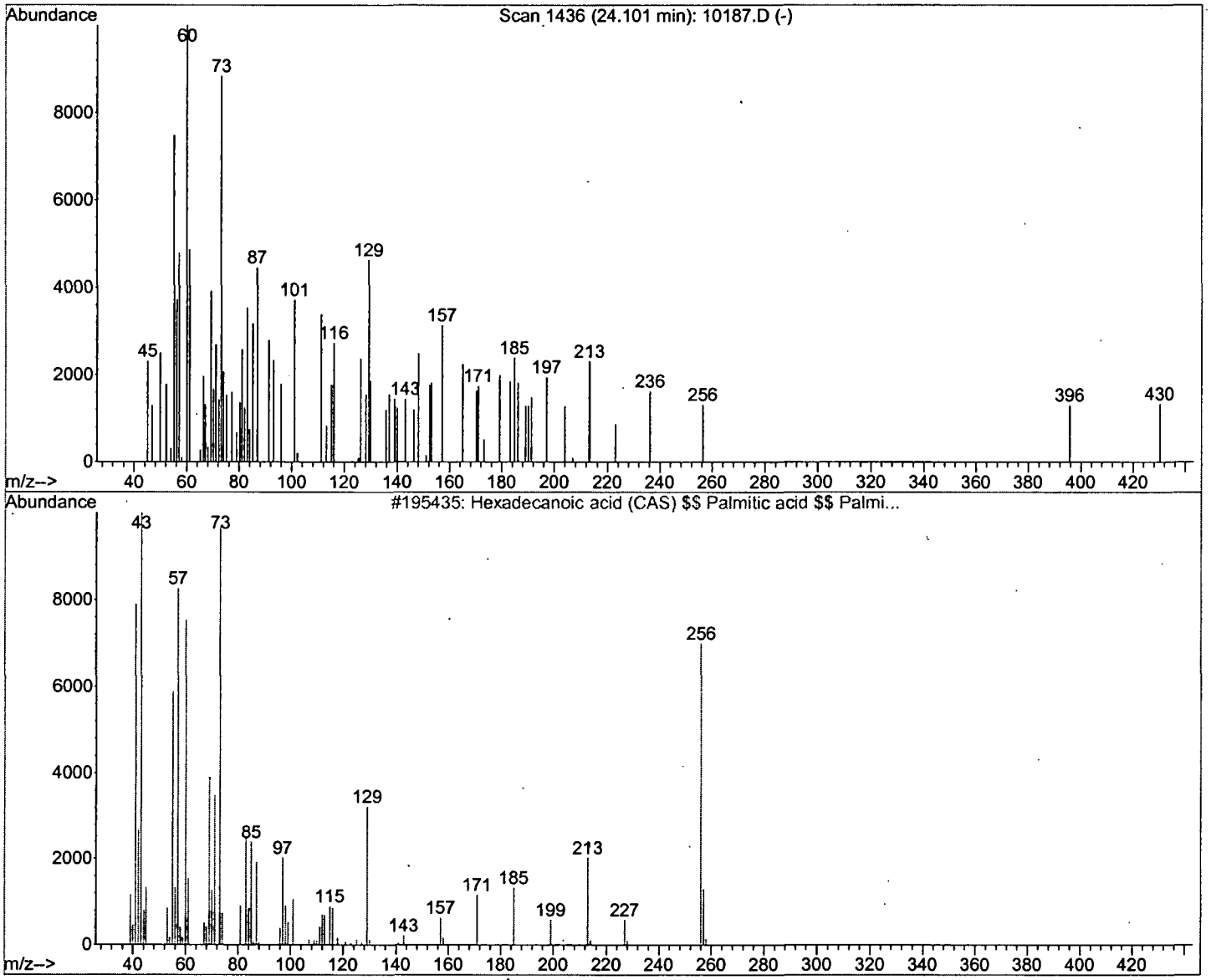

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                   ecoic acid $$ n-Hexadecanoic acid $$ Pentadecanecarboxylic acid $$ 1-P
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                   $ Cetylic acid $$ Emersol 140 $$ Emersol 143
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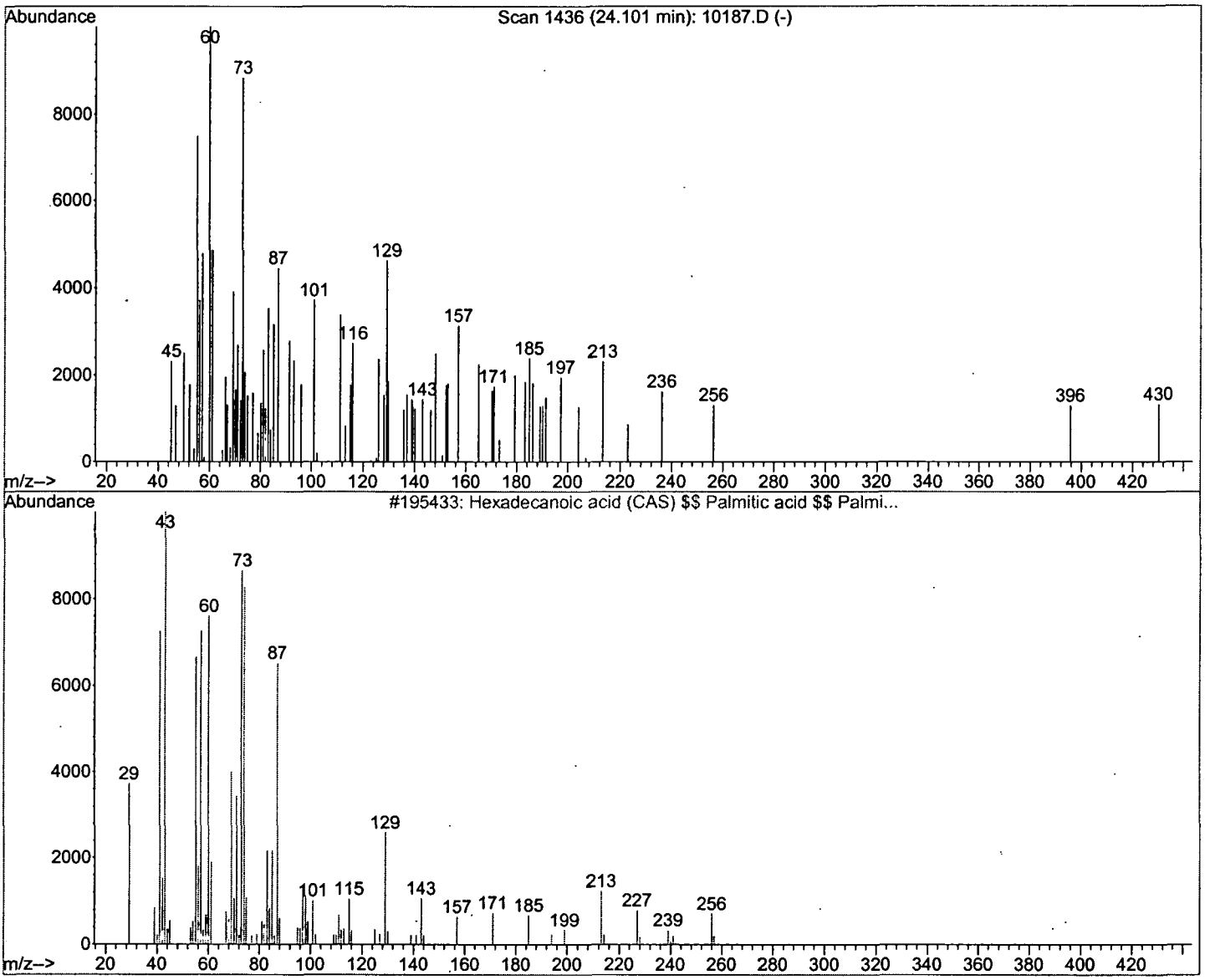

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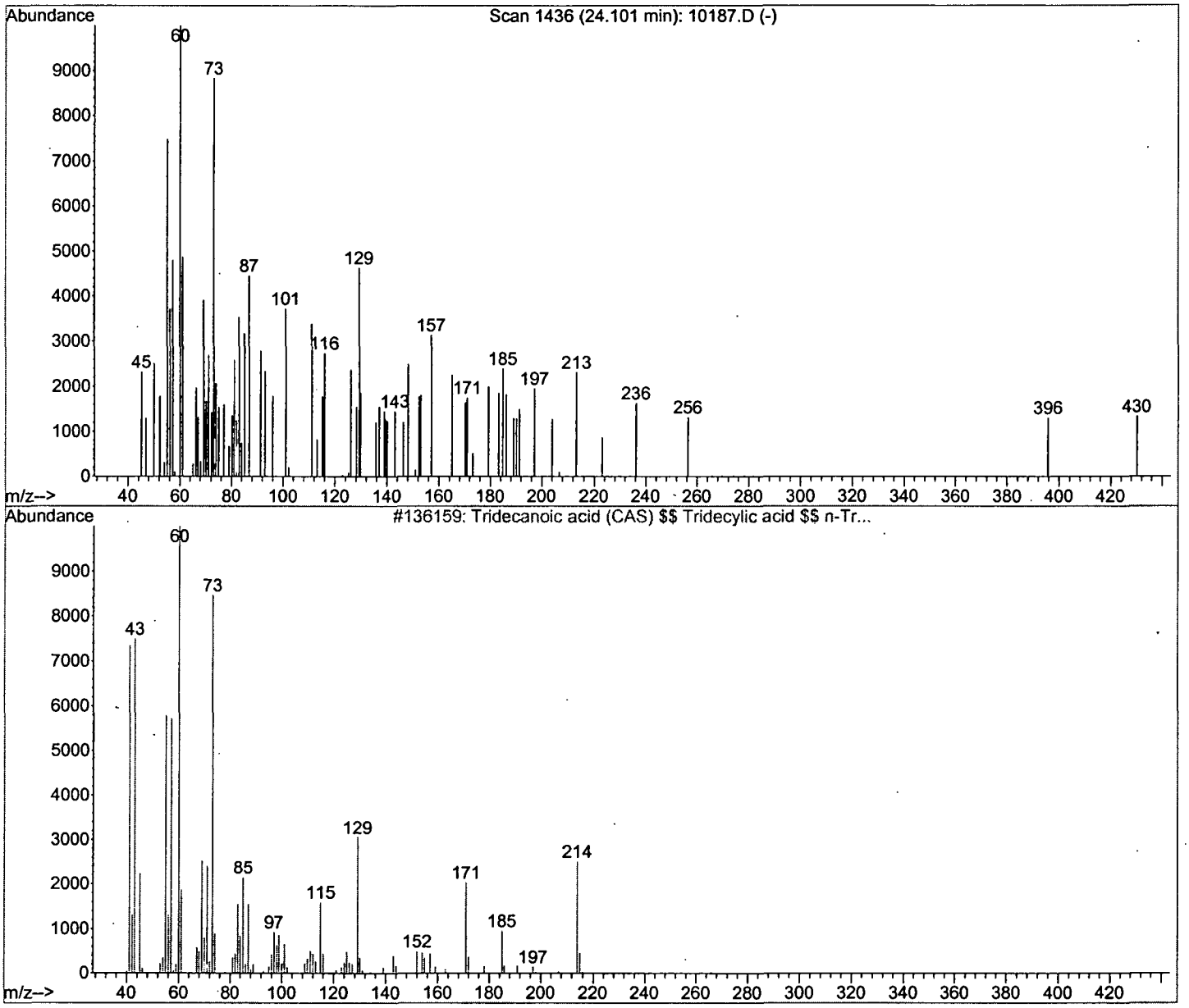

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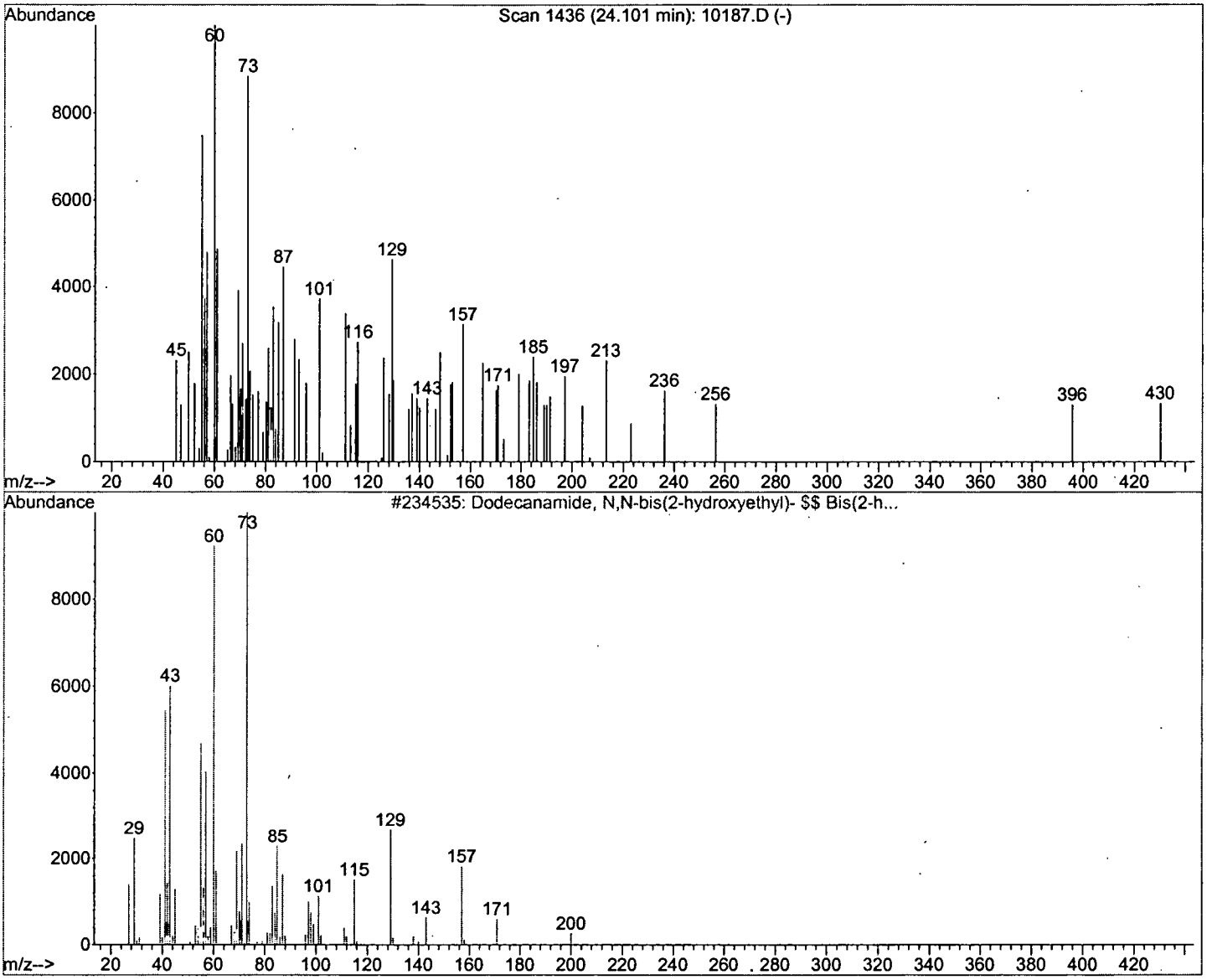
Quality : 22
ID : Dodecanamide, N,N-bis(2-hydroxyethyl)- $$ Bis(2-hydroxyethyl)lauramide $$ LDA $$ LDE $$ Clindrol Superamide 100L $$ Clindrol 200L $$ Comperlan LD $$ Condensate PL $$ Crillon L.D.E. $$ Diethanolamide lauric acid $$ Diethanolaminelauric acid amide $$ Dietha



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Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

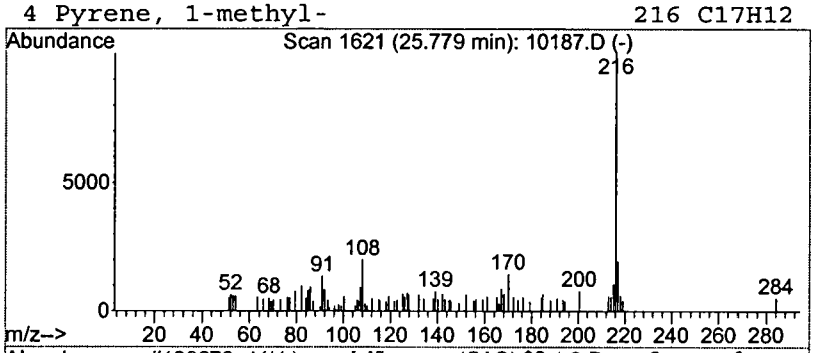
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

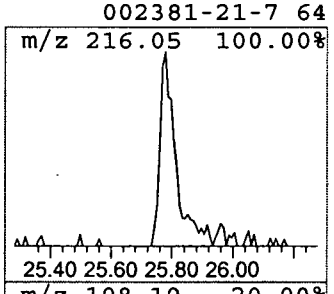
****

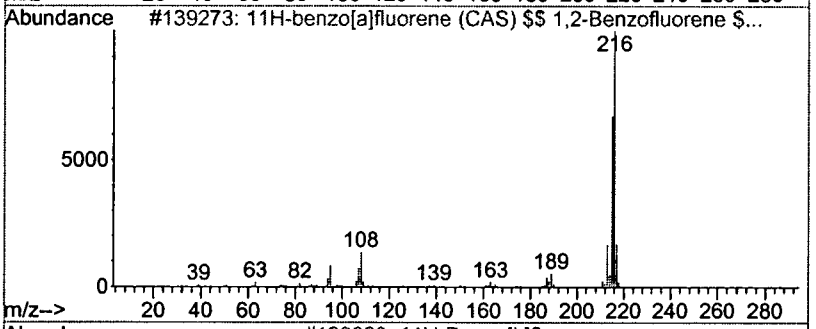
Peak Number 15 11H-benzo[a]fluorene (CAS) ... Concentration Rank 15

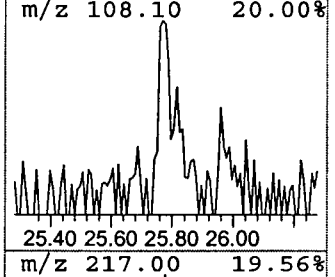
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.78	0.07 ug/L	165066	p-Terphenyl d-14	26.77

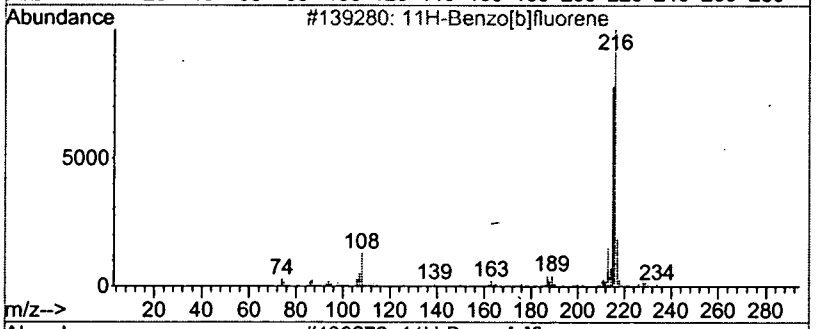
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-benzo[a]fluorene (CAS) $$ 1,...	216	C17H12	000238-84-6	64
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64

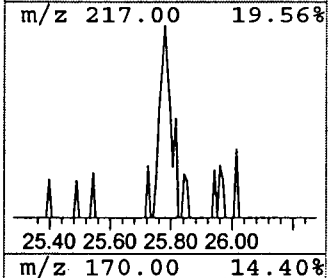


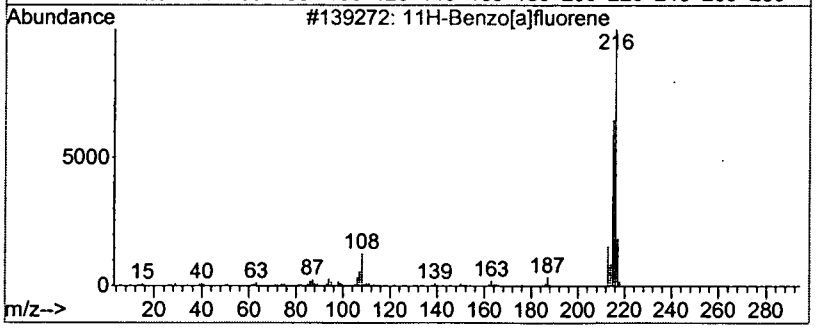


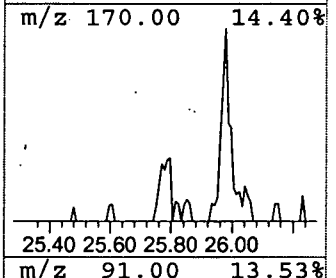


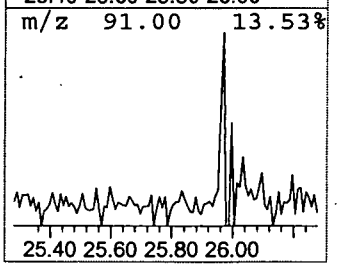












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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

Pyrene d-10 TB

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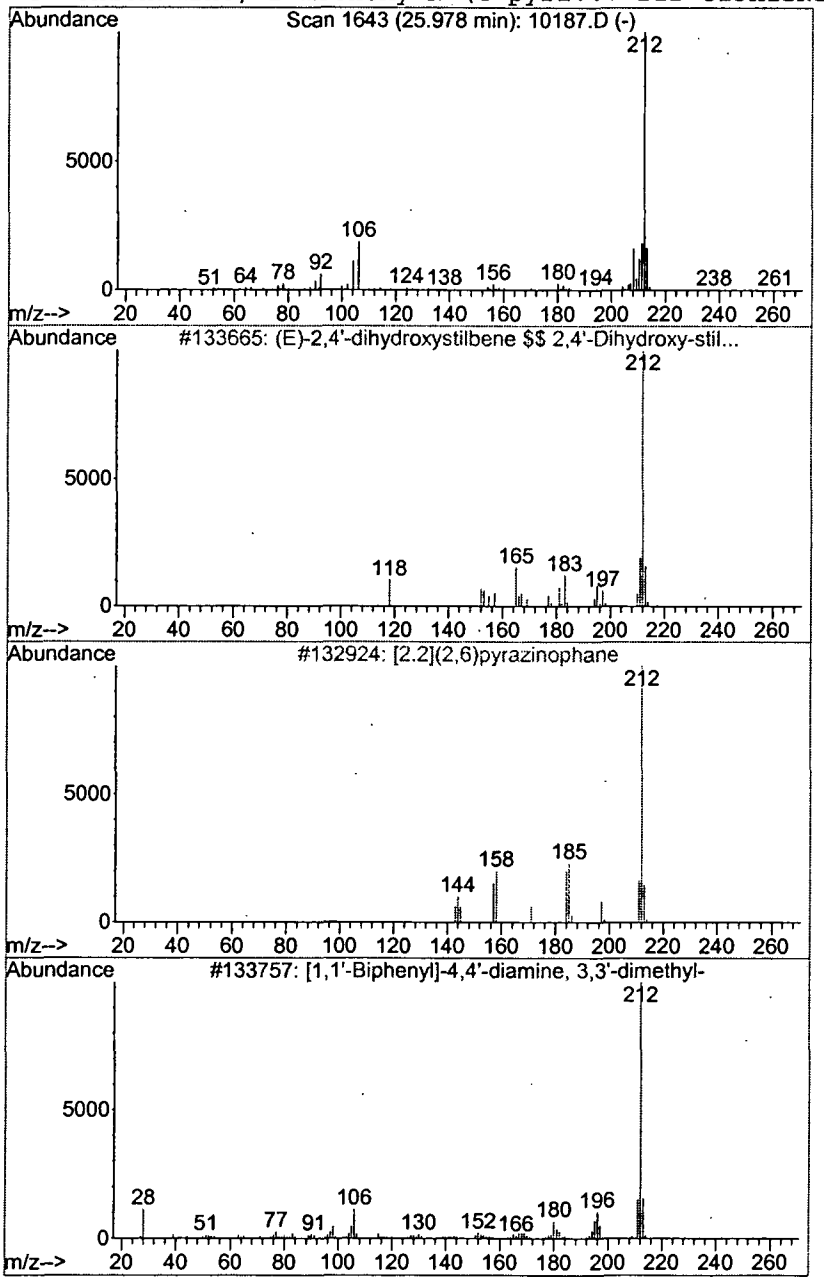
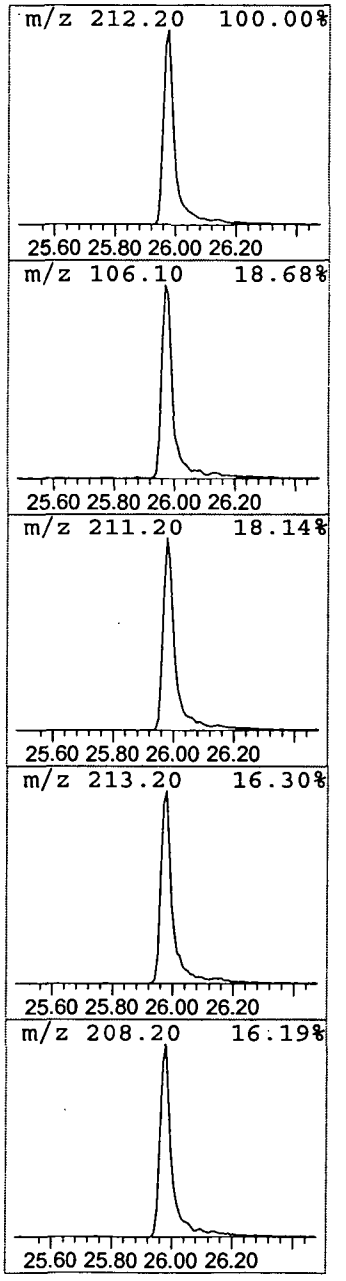
Peak Number 16 (E)-2,4'-dihydroxystilbene ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.98	3.59 ug/L	8367050	p-Terphenyl d-14	26.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-2,4'-dihydroxystilbene $$ 2,...	212	C14H12O2	110983-43-2	72
2	[2.2](2,6)pyrazinophane	212	C12H12N4	123624-86-2	64
3	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	59
4	Benzenamine, 2-methoxy-N-(4-pyri...	212	C13H12N2O	041855-68-9	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

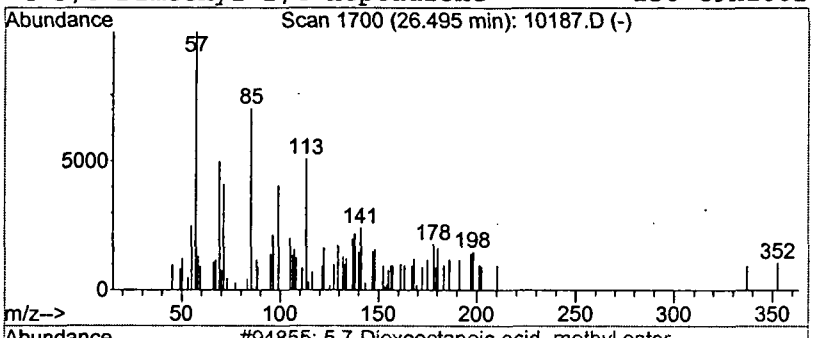
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

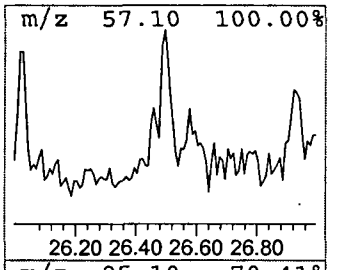
****

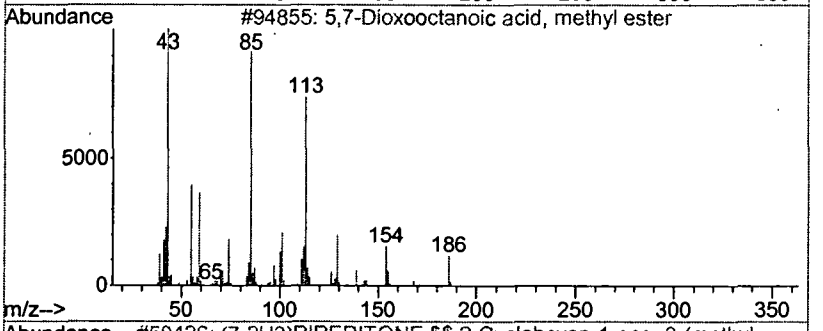
Peak Number 17 5,7-Dioxooctanoic acid, met... Concentration Rank 18

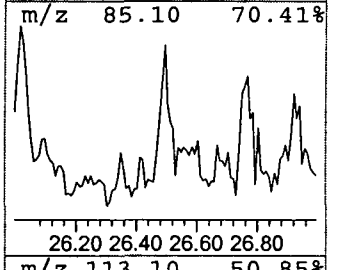
R.T.	EstConc	Area	Relative to ISTD	R.T.
26.50	0.05 ug/L	126160	p-Terphenyl d-14	26.77

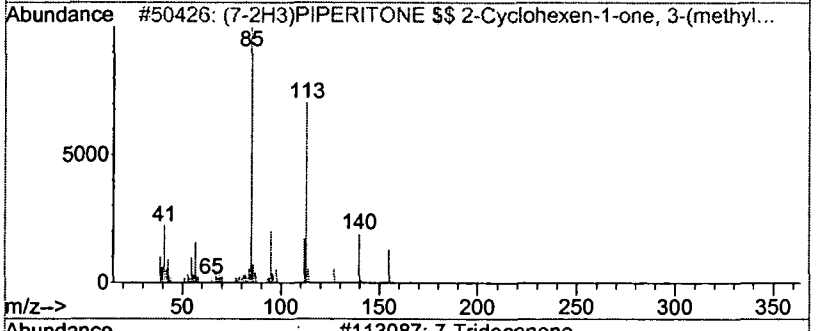
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dioxooctanoic acid, methyl e...	186	C9H14O4	000000-00-0	38
2	(7-2H3)PIPERITONE $$ 2-Cyclohexe...	155	C10H13D3O	054193-88-3	30
3	7-Tridecanone	198	C13H26O	000462-18-0	22
4	3,6-Dimethyl-2,4-heptadione	156	C9H16O2	000000-00-0	22

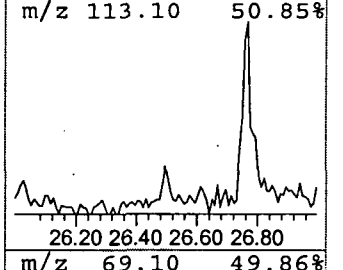


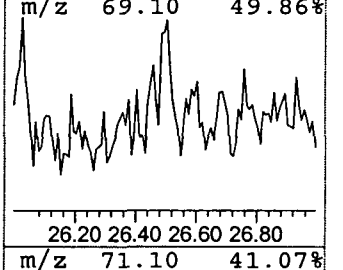


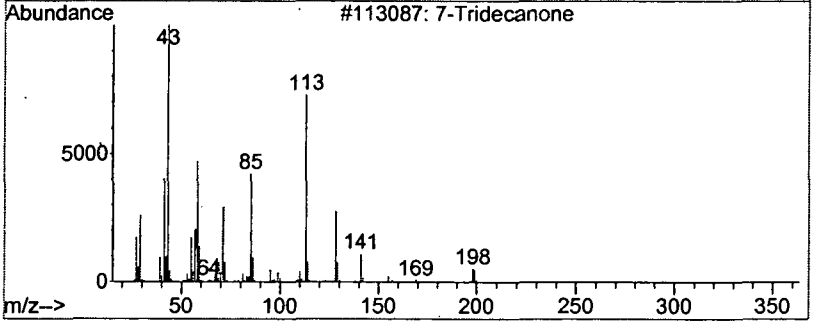


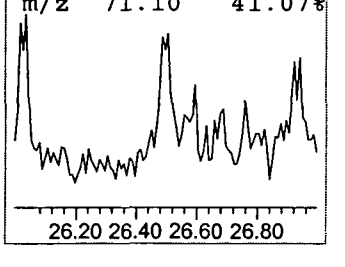












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050202\10187.D Vial: 23
Acq On : 2 May 2002 7:46 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 10187 4/30/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

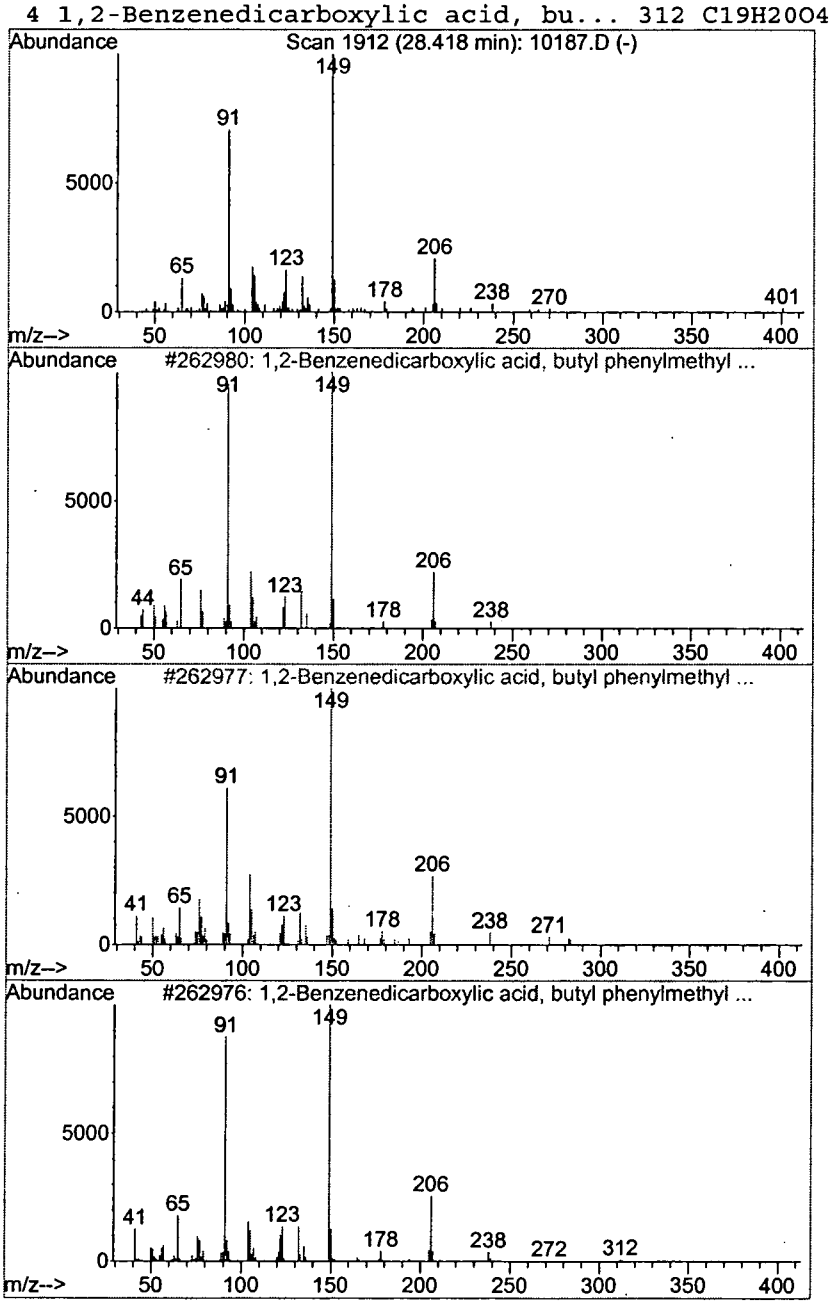
Quant Method : C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

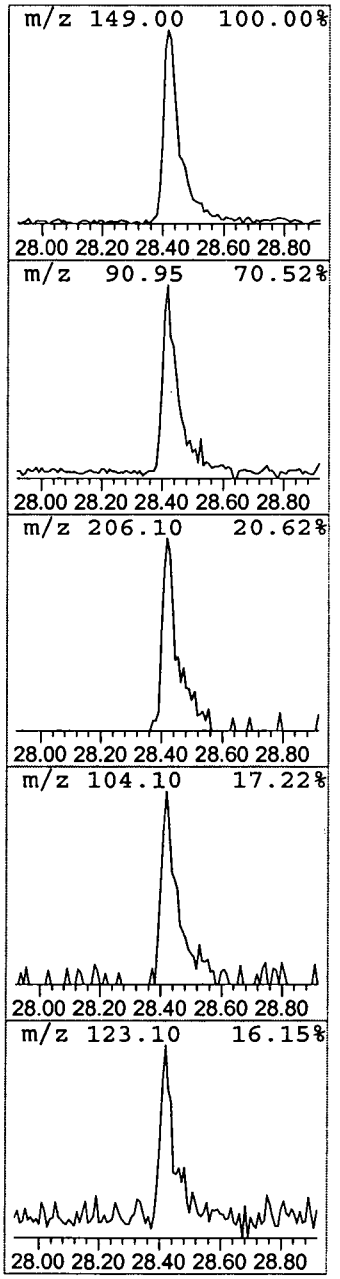
****

Peak Number 18 1,2-Benzenedicarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.42	0.46 ug/L	863264	Chrysene d-12	29.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	312	C19H20O4	000085-68-7	86
2	1,2-Benzenedicarboxylic acid, bu...	312	C19H20O4	000085-68-7	78
3	1,2-Benzenedicarboxylic acid, bu...	312	C19H20O4	000085-68-7	70
4	1,2-Benzenedicarboxylic acid, bu...	312	C19H20O4	000085-68-7	64





Tentatively Identified Compound (LSC) summary

Operator ID: Bohlk / Inst 213 Date Acquired: 2 May 2002 7:46 pm
Data File: C:\MSDCHEM\1\DATA\050202\10187.D
Name: SAMPLE 10187 4/30/02
Misc:
Method: C:\MSDCHEM\1\5973N\050102.M (RTE Integrator)
Title: Quantitation For Method 525.2
Library Searched: C:\DATABASE\WILEY7N.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane, 2,6,1...	15.01	0.1	ug/L	188375	1	17.59	10248600	5.0
(.beta.R*,.gamma....	17.23	0.1	ug/L	179856	1	17.59	10248600	5.0
Docosane (CAS) $$...	17.71	0.4	ug/L	780925	1	17.59	10248600	5.0
BUTYL HYDROXY TOL...	17.95	4.6	ug/L	9381060	1	17.59	10248600	5.0
Heptadecane $$ n-...	18.40	0.2	ug/L	325166	1	17.59	10248600	5.0
4,4-Dimethylcyclo...	18.56	0.1	ug/L	177774	1	17.59	10248600	5.0
Tetracosane	18.70	0.1	ug/L	150597	1	17.59	10248600	5.0
Heneicosane $$ n-...	19.39	0.1	ug/L	130729	1	17.59	10248600	5.0
Docosane $$ n-Doc...	20.78	0.1	ug/L	279232	2	21.89	11129200	5.0
Tetratetracontane...	21.38	0.2	ug/L	384723	2	21.89	11129200	5.0
1,5-Naphthalenedi...	21.55	0.1	ug/L	122740	2	21.89	11129200	5.0
Hexacosane $$ n-H...	22.14	0.1	ug/L	233673	2	21.89	11129200	5.0
C33 botryococcane...	23.53	0.1	ug/L	224082	2	21.89	11129200	5.0
1,2-Benzenedicarb...	24.06	0.2	ug/L	450140	2	21.89	11129200	5.0
11H-benzo[a]fluor...	25.78	0.1	ug/L	165066	3	26.77	11667500	5.0
(E)-2,4'-dihydrox...	25.98	3.6	ug/L	8367050	3	26.77	11667500	5.0
5,7-Dioxooctanoic...	26.50	0.1	ug/L	126160	3	26.77	11667500	5.0
1,2-Benzenedicarb...	28.42	0.5	ug/L	863264	4	29.62	9336910	5.0