User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/01/2002 Time: 11:13:44

Sample: AE04247
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/1/02 09:47 Ended: 4/1/02 09:47 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		124		5.0

coll 7/20/2 Patel

03709

Comments for Sample AE04247 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-01-2002 Time: 11:28:08

The GCMS scan, from 35 to 550 amu, reveals the presence of 5-Thiazolecarboxylic acid with a fit of 64 out of 100. The level is too low to estimate. The recoveries for 10 of the 43 compounds in the LCS Standard were high.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032602\4247.D Vial: 4
Acq On : 26 Mar 2002 1:19 pm Operator: McLean
Sample : 2/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 27 07:24:39 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.55	150	1161515	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3378428	20.00	ug/L	0.00
17) Acenaphthene-d10	18.13	164	1895129	20.00	ug/L	0.00
29) Phenanthrene-d10	22.49	188	2909383	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	2295695	20.00	ug/L	-0.02
44) Perylene-d12	34.17	264	1113121	20.00	ug/L	-0.01
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.43	235	214605	6.18	ug/L	0.00
Spiked Amount 5.000			Recovery = 123.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D. d		
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3 - Dichlorobenze	0.00	146	0	N.D.		
5) 1,4 - Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2 - Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2 ' - oxybis (1-Chloropr	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D. d		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenyl ethe	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenyl ether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	24.65	149	18364	0.12	ug/L	89
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	0.00	149	0	N.D.		
41) Benzo (a) antracene	0.00	228	0	N.D. d		
42) Bis (2-ethylhexyl) phthala	30.92	149	29046	0.32	ug/L	93
43) Chrysene	0.00	228	0	N.D. d		
45) Di-n-Octylphthalate	0.00	149	0	N.D.		
46) Benzo (b) fluoranthene	0.00	252	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032602\4247.D Vial: 4
Acq On : 26 Mar 2002 1:19 pm Operator: McLean
Sample : 2/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 27 07:24:39 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

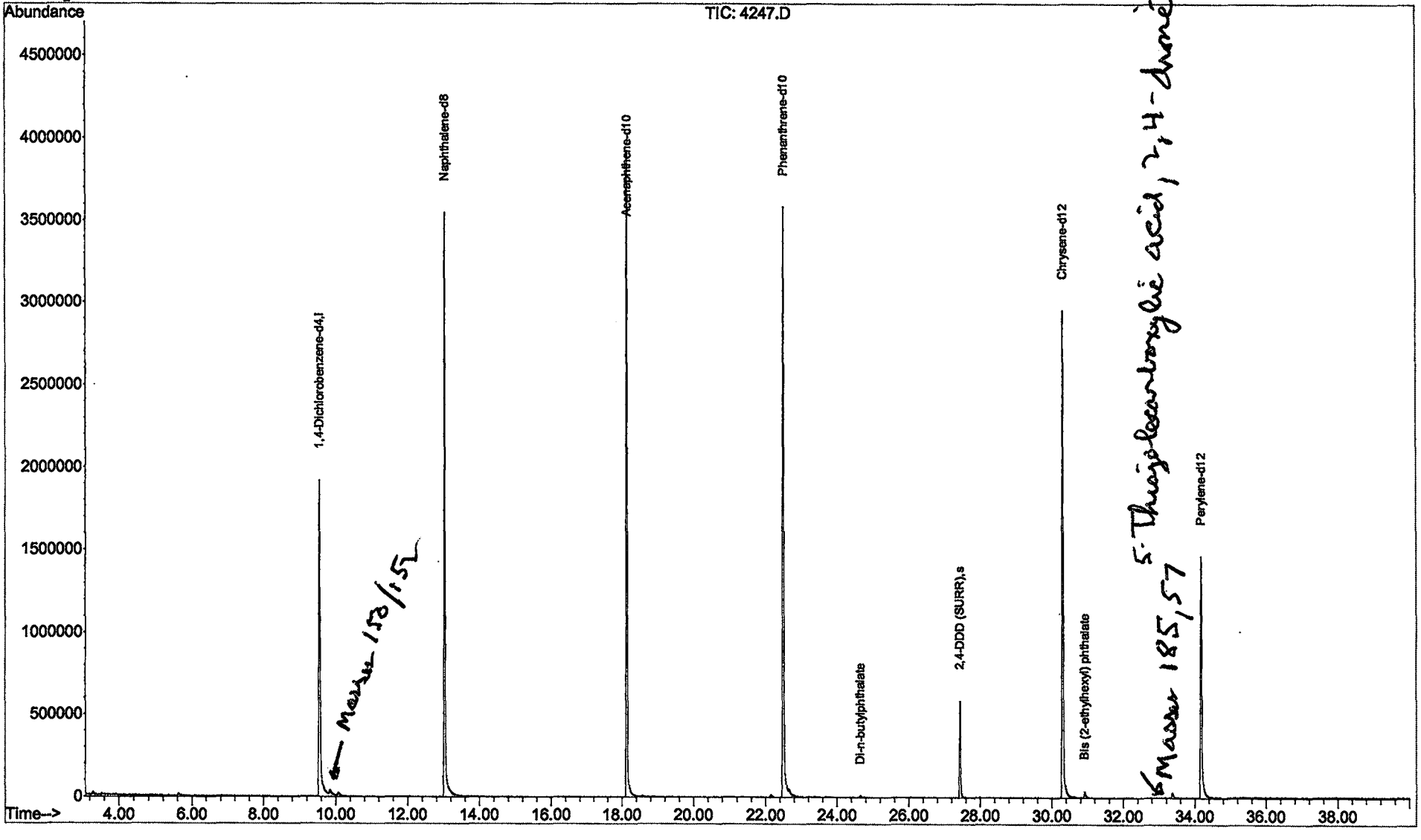
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	0.00	252	0	N.D. d	
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032602\4247.D Vial: 4
Acq On : 26 Mar 2002 1:19 pm Operator: McLean
Sample : 2/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 27 7:30 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\032602\4247.D Vial: 4
Acq On : 26 Mar 2002 1:19 pm Operator: McLean
Sample : 2/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
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

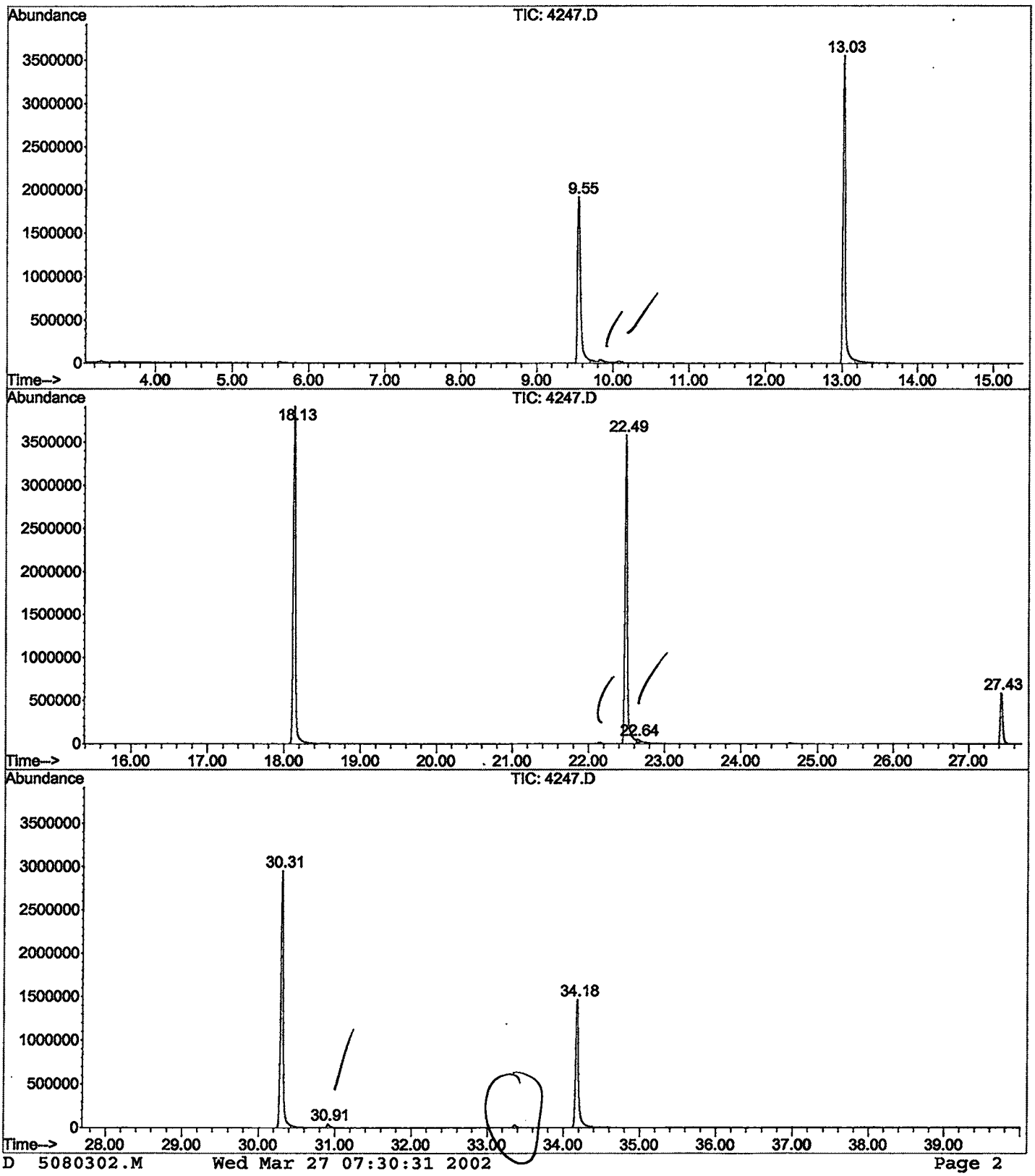
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.548	1094	1101	1127	rBV	1915445	5325484	64.67%	12.841%
2	13.026	1684	1693	1717	rBV	3548486	7599107	92.28%	18.323%
3	18.132	2552	2562	2587	rBV	3916206	8204451	99.63%	19.783%
4	22.492	3295	3304	3327	rBV2	3582777	8235197	100.00%	19.857%
5	22.645	3327	3330	3341	rVB4	33674	96610	1.17%	0.233%
6	27.428	4137	4144	4162	rBV	587950	1202479	14.60%	2.899%
7	30.307	4624	4634	4654	rBV2	2950216	6892606	83.70%	16.619%
8	30.912	4731	4737	4746	rBV3	42110	103501	1.26%	0.250%
9	34.179	5283	5293	5319	rBV2	1463378	3813760	46.31%	9.196%

Sum of corrected areas: 41473195

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\032602\4247.D
Operator : McLean
Acquired : 26 Mar 2002 1:19 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 2/28/02
Misc Info :
Vial Number: 4
Quant File :5080302.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 26 Mar 2002 1:19 pm
Data File: C:\MSDCHEM\1\DATA\032602\4247.D
Name: 2/28/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\032602\4247.D Vial: 4
Acq On : 26 Mar 2002 1:19 pm Operator: McLean
Sample : 2/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

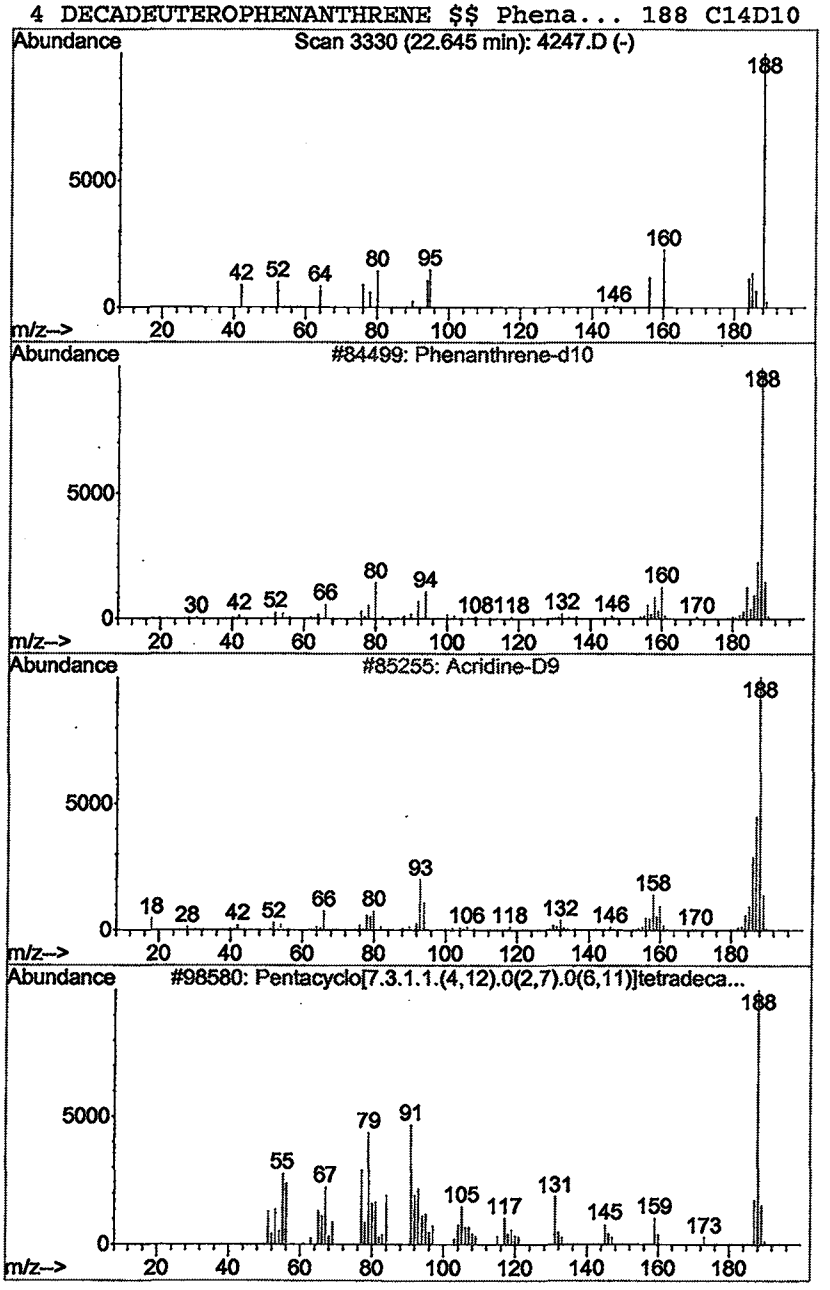
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

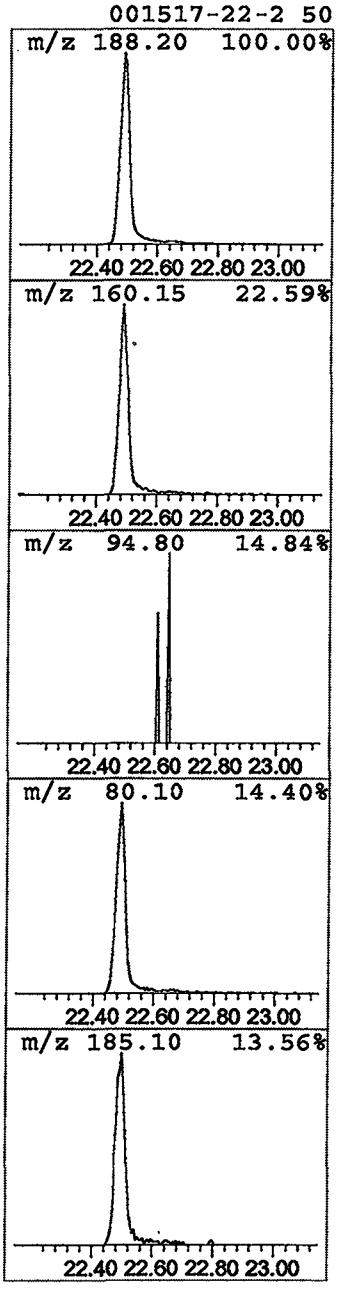
****

Peak Number 1 Phenanthrene-d10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.23 ug/L	96610	Phenanthrene-d10	22.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	59
2	Acridine-D9	188	C13D9N	000000-00-0	50
3	Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	000000-00-0	50
4	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	50





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 26 Mar 2002 1:19 pm
Data File: C:\MSDCHEM\1\DATA\032602\4247.D
Name: 2/28/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 525.2
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Phenanthrene-d10	22.64	0.2	ug/L	96610	4	22.49	8235200	20.0

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\032602\4247.D Vial: 4
Acq On : 26 Mar 2002 1:19 pm Operator: McLean
Sample : 2/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\032802.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

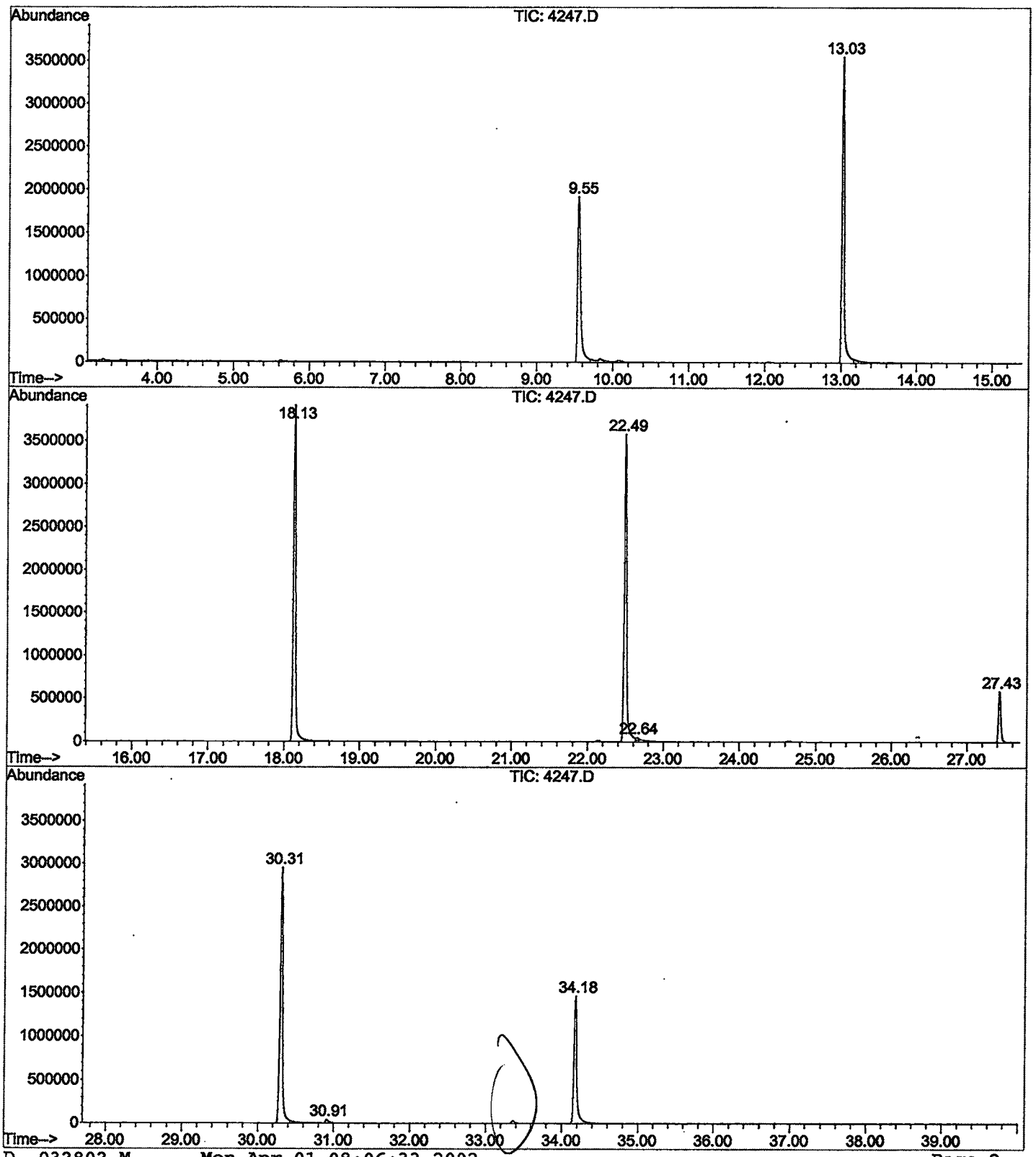
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.548	1094	1101	1127	rBV	1915445	5325484	64.67%	12.841%
2	13.026	1684	1693	1717	rBV	3548486	7599107	92.28%	18.323%
3	18.132	2552	2562	2587	rBV	3916206	8204451	99.63%	19.783%
4	22.492	3295	3304	3327	rBV2	3582777	8235197	100.00%	19.857%
5	22.645	3327	3330	3341	rVB4	33674	96610	1.17%	0.233%
6	27.428	4137	4144	4162	rBV	587950	1202479	14.60%	2.899%
7	30.307	4624	4634	4654	rBV2	2950216	6892606	83.70%	16.619%
8	30.912	4731	4737	4746	rBV3	42110	103501	1.26%	0.250%
9	34.179	5283	5293	5319	rBV2	1463378	3813760	46.31%	9.196%

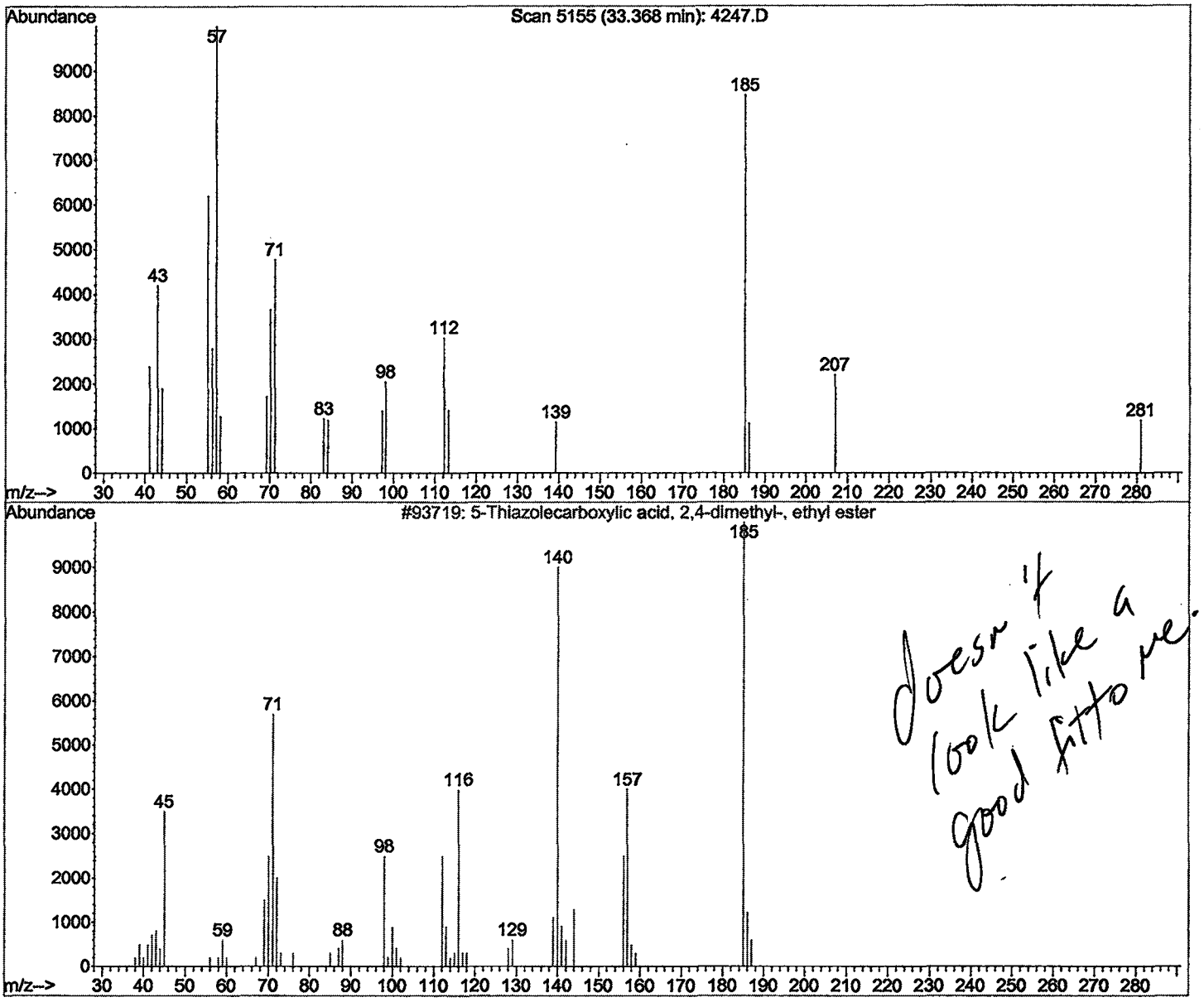
Sum of corrected areas: 41473195

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\032602\4247.D
Operator : McLean
Acquired : 26 Mar 2002 1:19 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 2/28/02
Misc Info :
Vial Number: 4
Quant File :5080302.RES (RTE Integrator)

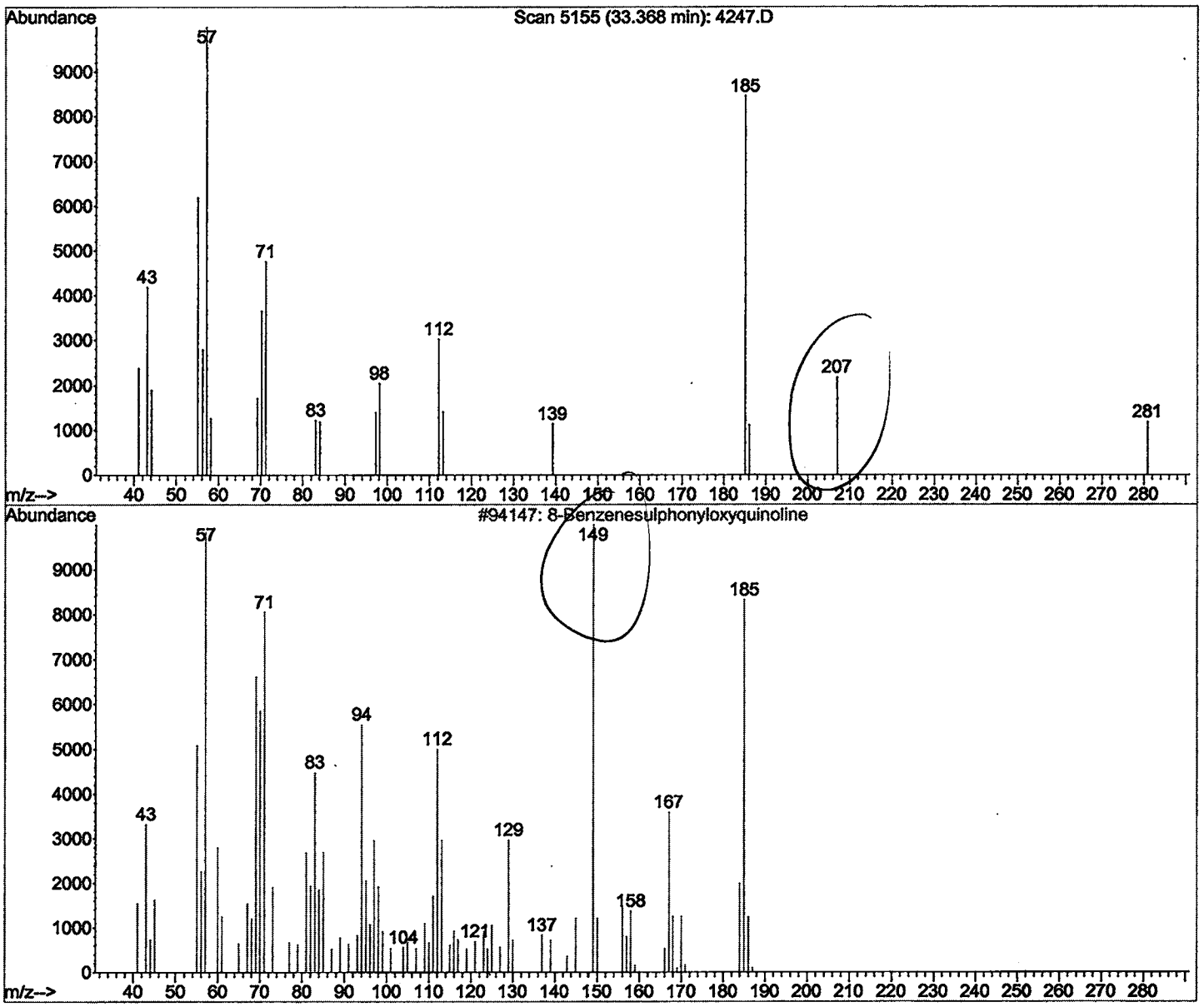


Library Searched : C:\Database\wiley7n.l
Quality : 64
ID : 5-Thiazolecarboxylic acid, 2,4-dimethyl-, ethyl ester

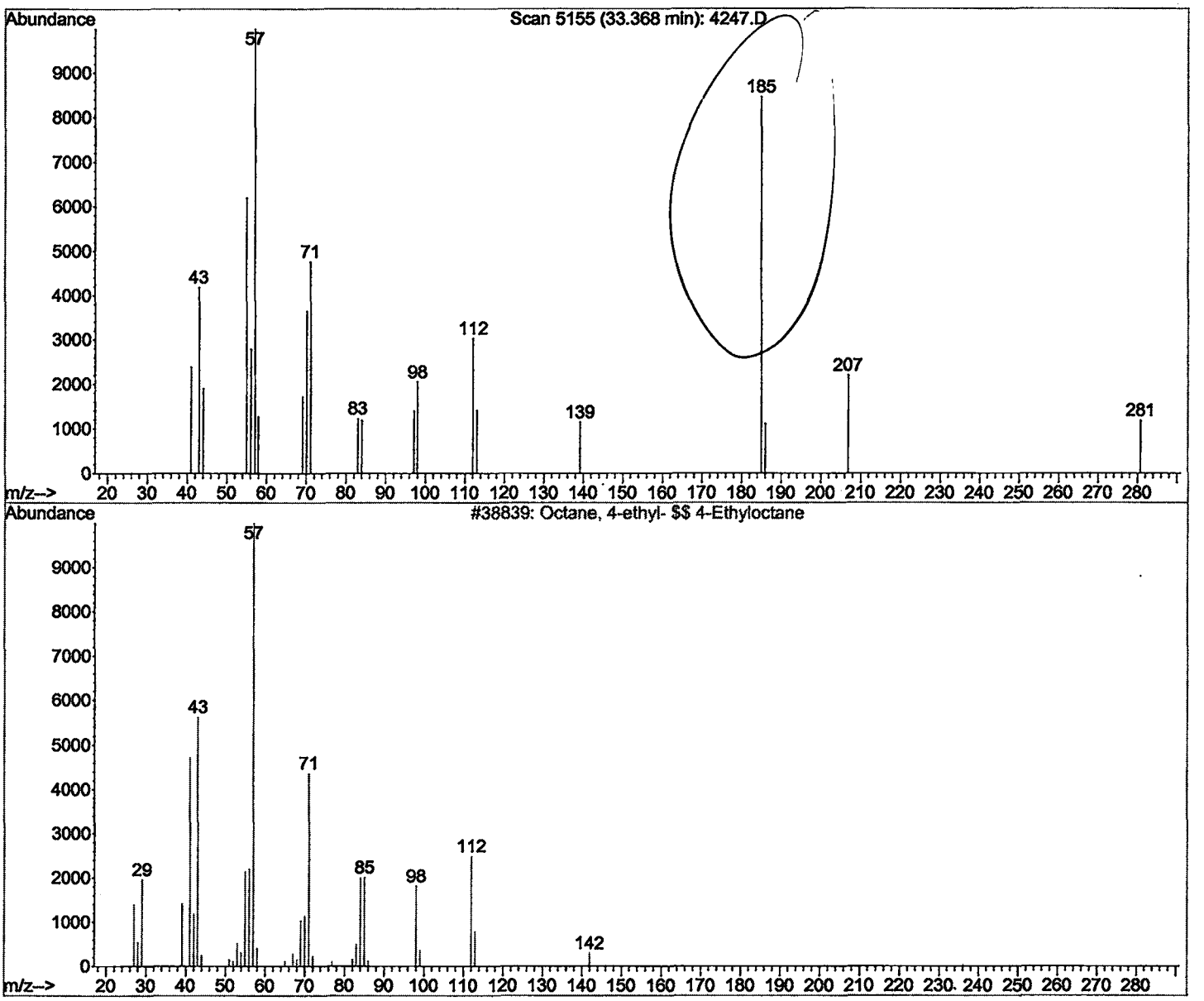


doesn't look like a good fit to me.

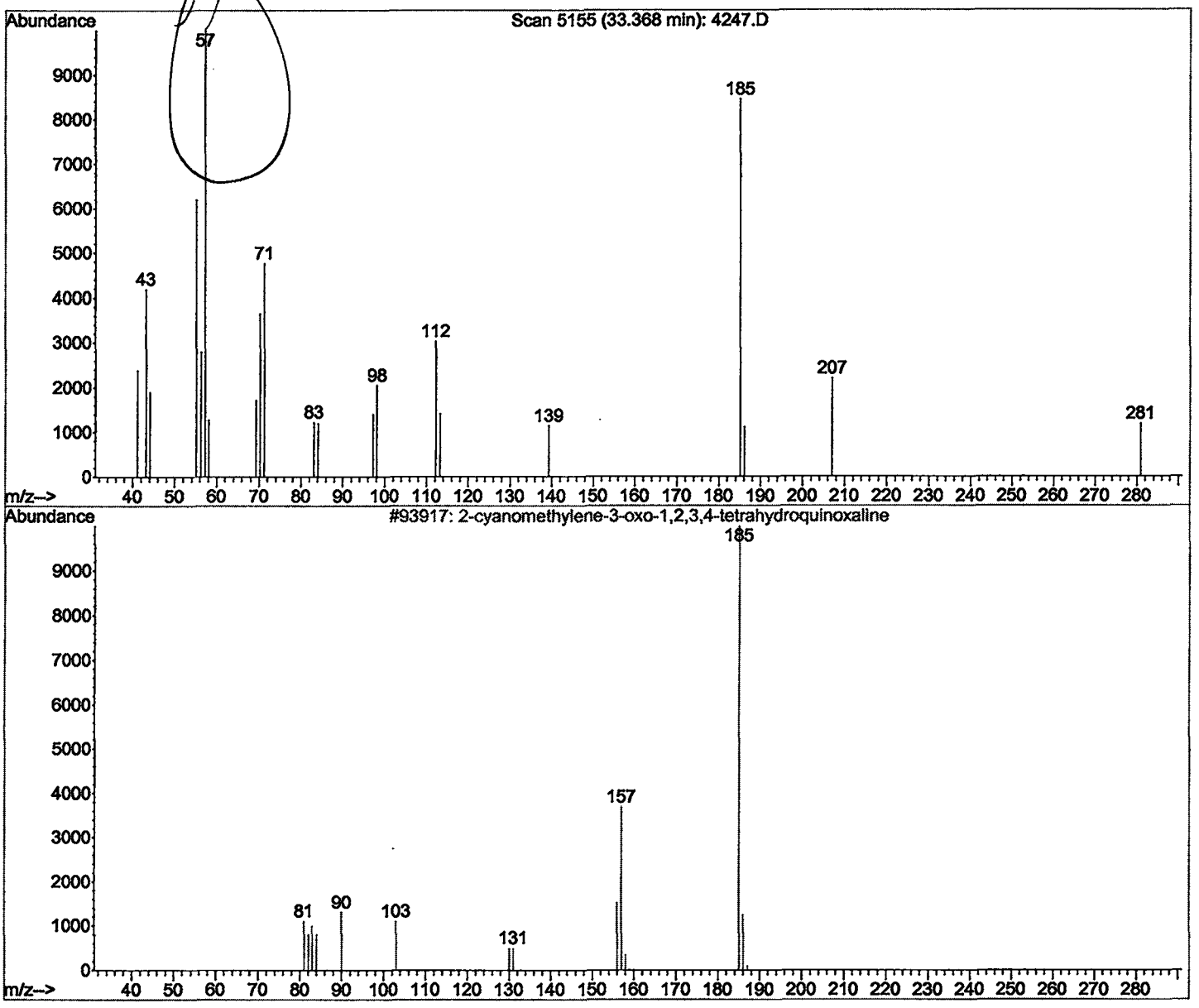
Library Searched : C:\Database\wiley7n.l
Quality : 28
ID : 8-Benzenesulphonyloxyquinoline



Library Searched : C:\Database\wiley7n.l
Quality : 27
ID : Octane, 4-ethyl- $$ 4-Ethyloctane



Library Searched : C:\Database\wiley7n.l
Quality : 25
ID : 2-cyanomethylene-3-oxo-1,2,3,4-tetrahydroquinoxaline



Library Searched : C:\Database\wiley7n.l
Quality : 22
ID : DIISOOCTYL SULFATE