US EPA RECORDS CENTER REGION 5
557143

SEMIVOLATILES DATA

SEMIVOLATILE QC SUMMARY DATA

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:DF0224E1 DFTPP Injection Date: 2/24/92

Instrument ID:EXTR03 DFTPP Injection Time:1521

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	33.1
68	Less than 2.0% of mass 69	0.8(1.9)1
69	Mass 69 relative abundance	41.4
70	Less than 2.0% of mass ~~198~~ 69 TS 5/29/92	0.3(0.7)1
127	25.0 - 75.0% of mass 198	41.1
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.2
365	Greater than 0.75% of mass 198	1.70
441	Present, but less than mass 443	8.1
442	40.0 - 110.0% of mass 198	60.3
443	15.0 - 24.0% of mass 442	11.8(19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SML0224	SML0224	2/24/92	1534
02	SSTD080	SM0224	SM0224	2/24/92	1607
03	SSTD120	SMH0224	SMH0224	2/24/92	1637
04	SSTD160	SH0224	SH0224	2/24/92	1712
05	SSTD020	SL0224	SL0224	2/24/92	1747
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:3DF0507B DFTPP Injection Date: 5/07/92

Instrument ID:EXTR03 DFTPP Injection Time:1010

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.5(1.0)1
69	Mass 69 relative abundance	48.6
70	Less than 2.0% of mass ~~198~~ 69 TS 5/29/92	0.2(0.4)1
127	25.0 - 75.0% of mass 198	46.8
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	19.7
365	Greater than 0.75% of mass 198	2.00
441	Present, but less than mass 443	11.1
442	40.0 - 110.0% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.6(18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050A	3SML0507B	3SML0507B	5/07/92	1027
02	SBLK1	90430	SBLK1	5/07/92	1200
03	EQK26	60304	EQK26	5/07/92	1237
04	EQK26MS	60304	EQK26MS	5/07/92	1312
05	EQK26MSD	60304	EQK26MD	5/07/92	1346
06	EQK27	60305	EQK27	5/07/92	1422
07	EQK28	60306	EQK28	5/07/92	1457
08	SBLK2	92504	SBLK2	5/07/92	1533
09	EQK08	60016	EQK08	5/07/92	1642
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

000237

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:3DF0508 DFTPP Injection Date: 5/08/92

Instrument ID:EXTR03 DFTPP Injection Time:0727

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.7(1.6)1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass ~~198~~ 69 TS 5/29/92	0.3(0.7)1
127	25.0 - 75.0% of mass 198	44.1
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.6
365	Greater than 0.75% of mass 198	1.80
441	Present, but less than mass 443	10.8
442	40.0 - 110.0% of mass 198	89.3
443	15.0 - 24.0% of mass 442	16.8(18.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050B	3SML0508	3SML0508	5/08/92	0742
02	EQK01	60014	EQK01R	5/08/92	1620
03	EQK09	60017	EQK09R	5/08/92	1656
04	EQK02	60020	EQK02	5/08/92	1731
05	EQK02MS	60020	EQK02MS	5/08/92	1806
06	EQK02MSD	60020	EQK02MD	5/08/92	1841
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

000238

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:3DF0514 DFTPP Injection Date: 5/14/92

Instrument ID:EXTR03 DFTPP Injection Time:1248

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.4(1.0)1
69	Mass 69 relative abundance	40.1
70	Less than 2.0% of mass ~~198~~ 69 TS/29/92	0.3(0.7)1
127	25.0 - 75.0% of mass 198	42.4
197	Less than 1.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	99.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	22.5
365	Greater than 0.75% of mass 198	1.50
441	Present, but less than mass 443	12.1
442	40.0 - 110.0% of mass 198	101.0
443	15.0 - 24.0% of mass 442	19.8(19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	3SML0514	3SML0514	5/14/92	1301
02	SSTD080	3SM0514	3SM0514	5/14/92	1442
03	SSTD120	3SMH0514	3SMH0514	5/14/92	1515
04	SSTD160	3SH0514	3SH0514	5/14/92	1553
05	SSTD020	3SL0514	3SL0514	5/14/92	1626
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

000239

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:3DF0515A DFTPP Injection Date: 5/15/92

Instrument ID:EXTR03 DFTPP Injection Time:0744

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	36.1
68	Less than 2.0% of mass 69	0.6(1.3)1
69	Mass 69 relative abundance	47.1
70	Less than 2.0% of mass ~~198~~ 69 TS/29/92	0.4(0.8)1
127	25.0 - 75.0% of mass 198	49.4
197	Less than 1.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	20.7
365	Greater than 0.75% of mass 198	1.20
441	Present, but less than mass 443	8.9
442	40.0 - 110.0% of mass 198	90.3
443	15.0 - 24.0% of mass 442	17.1(18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050C	3SML0515	3SML0515	5/15/92	0800
02	SBLK3	92508	SBLK3	5/15/92	1517
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

000240

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:3DF0518A DFTPP Injection Date: 5/18/92

Instrument ID:EXTR03 DFTPP Injection Time:1253

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	40.3
68	Less than 2.0% of mass 69	0.5(1.0)1
69	Mass 69 relative abundance	49.9
70	Less than 2.0% of mass ~~198~~ 69 TS 12/29/92	0.4(0.8)1
127	25.0 - 75.0% of mass 198	53.0
197	Less than 1.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	22.7
365	Greater than 0.75% of mass 198	1.60
441	Present, but less than mass 443	9.8
442	40.0 - 110.0% of mass 198	96.1
443	15.0 - 24.0% of mass 442	19.3(20.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050E	3SML0518A	3SML0518A	5/18/92	1349
02	EQK08RE	60016	EQK08RE	5/18/92	1425
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

000241

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0507B Date Analyzed: 5/07/92

Instrument ID:EXTR03 Time Analyzed:1027

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	27677	6.08	129722	8.57	74591	12.32
	UPPER LIMIT	55354	6.58	259444	9.07	149182	12.82
	LOWER LIMIT	13839	5.58	64861	8.07	37296	11.82
	EPA SAMPLE NO.						
01	SBLK1	29321	6.08	131280	8.57	73512	12.30
02	EQK26	27349	6.08	121004	8.57	68663	12.30
03	EQK26MS	25703	6.08	122924	8.57	70301	12.32
04	EQK26MSD	24685	6.08	116093	8.57	66514	12.32
05	EQK27	25530	6.08	117140	8.57	67252	12.32
06	EQK28	25676	6.08	116314	8.57	68518	12.32
07	SBLK2	24879	6.08	114630	8.57	66325	12.30
08	EQK08	24359	6.08	111935	8.57	63233	12.32
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000242

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0507B Date Analyzed: 5/07/92

Instrument ID:EXTR03 Time Analyzed:1027

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	121733	15.53	91661	21.33	92212	24.23
	UPPER LIMIT	243466	16.03	183322	21.83	184424	24.73
	LOWER LIMIT	60867	15.03	45831	20.83	46106	23.73
	EPA SAMPLE NO.						
01	SBLK1	130764	15.53	90949	21.33	84732	24.23
02	EQK26	117298	15.53	53639	21.33	47863	24.23
03	EQK26MS	119085	15.53	76592	21.33	72698	24.23
04	EQK26MSD	116011	15.53	71648	21.33	64354	24.23
05	EQK27	124860	15.53	80625	21.33	75057	24.23
06	EQK28	119505	15.53	81858	21.33	74041	24.25
07	SBLK2	116924	15.53	80246	21.33	71034	24.23
08	EQK08	113963	15.53	116181	21.35	136288	24.28
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an astersik.
* Values outside of QC limits.

000243

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0508 Date Analyzed: 5/08/92

Instrument ID:EXTR03 Time Analyzed:0742

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	20891	6.03	100221	8.50	56361	12.23
	UPPER LIMIT	41782	6.53	200442	9.00	112722	12.73
	LOWER LIMIT	10446	5.53	50111	8.00	28181	11.73
	EPA SAMPLE NO.						
01	EQK01	27204	6.03	119624	8.52	71610	12.25
02	EQK09	24860	6.03	114144	8.52	67425	12.23
03	EQK02	23070	6.03	104184	8.52	63641	12.25
04	EQK02MS	21764	6.03	102813	8.52	65432	12.25
05	EQK02MSD	21285	6.03	98167	8.52	59095	12.25
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000244

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0508 Date Analyzed: 5/08/92

Instrument ID:EXTR03 Time Analyzed:0742

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	95109	15.43	75025	21.23	75413	24.13
	UPPER LIMIT	190218	15.93	150050	21.73	150826	24.63
	LOWER LIMIT	47555	14.93	37513	20.73	37707	23.63
	EPA SAMPLE NO.						
01	EQK01	116975	15.47	58492	21.27	56716	24.17
02	EQK09	130532	15.47	124566	21.28	140611	24.20
03	EQK02	120517	15.47	108791	21.27	112426	24.17
04	EQK02MS	126048	15.47	128448	21.27	128093	24.18
05	EQK02MSD	111183	15.47	98396	21.27	101503	24.18
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an astersik.
* Values outside of QC limits.

000245

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0515 Date Analyzed: 5/15/92

Instrument ID:EXTR03 Time Analyzed:0800

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	51400	7.01	232720	9.57	124088	13.40
	UPPER LIMIT	102800	7.51	465440	10.07	248176	13.90
	LOWER LIMIT	25700	6.51	116360	9.07	62044	12.90
	EPA SAMPLE NO.						
01	SBLK3	44873	7.02	209200	9.57	129108	13.40
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000246

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0515 Date Analyzed: 5/15/92

Instrument ID:EXTR03 Time Analyzed:0800

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	178052	16.68	105623	22.60	94848	25.57
	UPPER LIMIT	356104	17.18	211246	23.10	189696	26.07
	LOWER LIMIT	89026	16.18	52812	22.10	47424	25.07
	EPA SAMPLE NO.						
01	SBLK3	210664	16.70	152048	22.62	137246	25.57
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an astersik.
* Values outside of QC limits.

000247

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0518A Date Analyzed: 5/18/92

Instrument ID:EXTR03 Time Analyzed:1349

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	93716	6.95	448892	9.50	265304	13.32
UPPER LIMIT	187432	7.45	897784	10.00	530608	13.82
LOWER LIMIT	46858	6.45	224446	9.00	132652	12.82
EPA SAMPLE NO.						
01 EQK08RE	54189	6.93	237686	9.48	141804	13.30
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000248

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID: (Standard):3SML0518A Date Analyzed: 5/18/92

Instrument ID:EXTR03 Time Analyzed:1349

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	433268	16.60	283288	22.53	298646	25.48
UPPER LIMIT	866536	17.10	566576	23.03	597292	25.98
LOWER LIMIT	216634	16.10	141644	22.03	149323	24.98
EPA SAMPLE NO.						
01 EQK08RE	205348*	16.58	199698	22.53	235686	25.50
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

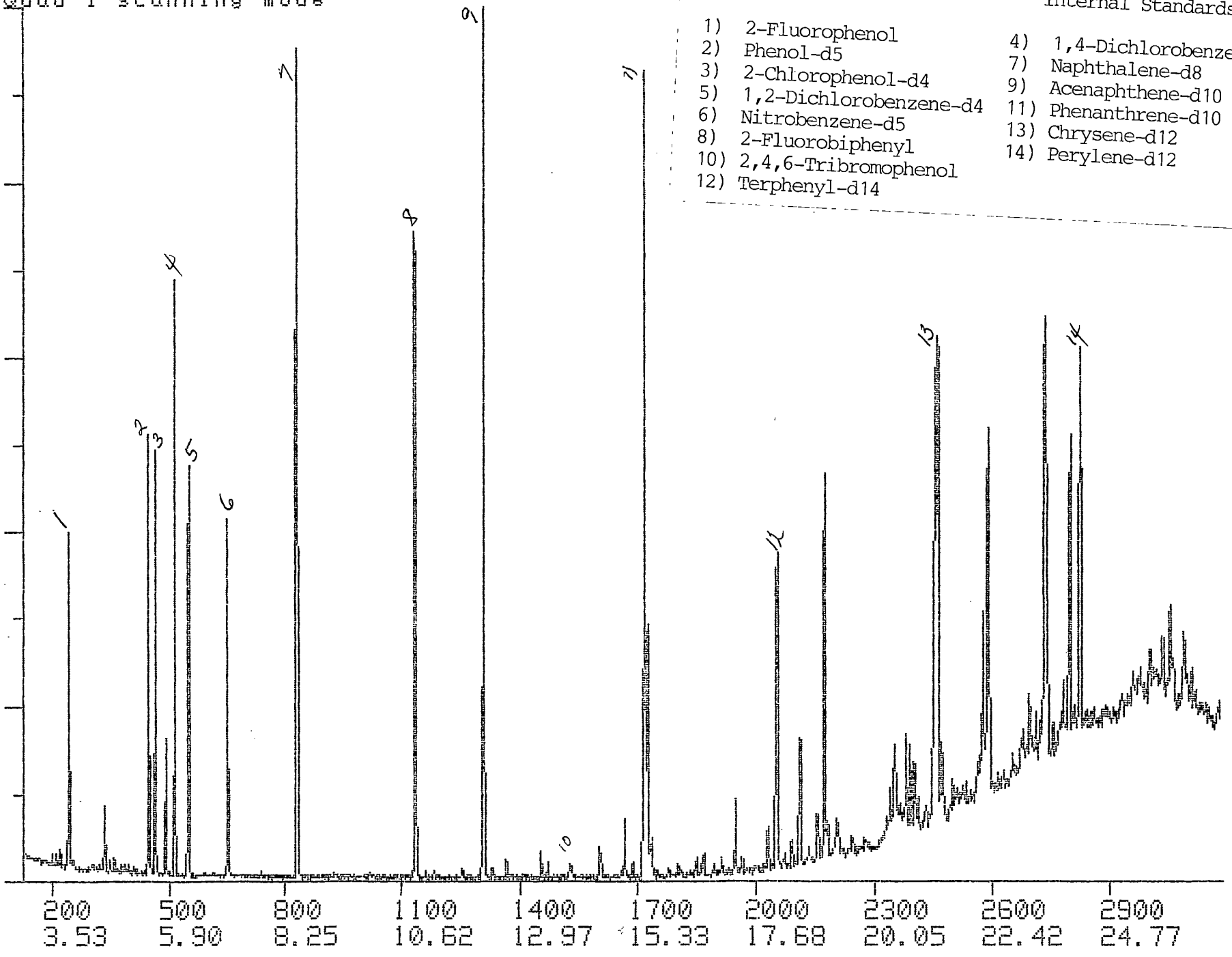
AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an astersik.
* Values outside of QC limits.

000249

SEMIVOLATILE SAMPLE DATA

SY0:EQK01R EQK01 EXTR03 100%
08-MAY-92 16:20:59 74948
Total Ion Current
Quad 1 scanning mode



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

000253

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS OK
EXTREL3 OP= JK	INITIAL AMT. = 30g	SURR REC. 'S OUT
DUO:[301,4 1	EXT VOL. = .5 ml	DILUTION= 50/100

Library used: SYO:CLP90
Data file name: SYO:EQK01R
Injection time: 08-MAY-92 16:20:59
Comments:
EQK01 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.03	517					STD	0.96	40.0	NG
2S	8.52	833					STD	0.94	40.0	NG
3S	12.25	1308					STD	1.00	40.0	NG
4S	15.47	1717					STD	0.96	40.0	NG
5S	21.27	2454					STD	0.96	40.0	NG
6S	24.17	2823					STD	1.00	40.0	NG
1T	Was Not Found									
2T	Was Not Found									
3T	Was Not Found									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
~~10T~~	~~7.10~~	~~653~~	~~70. / 152.~~	~~5599. /~~	~~27204.~~	~~1~~	~~0.62~~	~~7.6~~	~~NG~~	
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
19T	Was Not Found									
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found									
23T	Is Below Specified Detection Limit									
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	Was Not Found									
32T	Was Not Found									
33T	Was Not Found									
34T	Was Not Found									
35T	Was Not Found									
36T	12.70	1365	168. / 164.	2789. /	71610.	3	0.90	1.1	NG	
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	15.52	1723	178. / 188.	32844. /	116975.	4	1.00	13.4	NG	
~~48T~~	~~15.52~~	~~1723~~	~~178. / 188.~~	~~32844. /~~	~~116975.~~	~~4~~	~~0.96~~	~~13.9~~	~~NG~~	
49T	Was Not Found									
50T	17.00	1912	149. / 188.	4209. /	116975.	4	0.60	1.6	NG	

000256

TH 6/3/92

EXTREL 3

51T	18.10	2053	202. / 188.	51132. /	116975.	4	1.00	~~19.8~~	NG	
52T	18.58	2113	202. / 240.	15876. /	58492.	5	1.00	9.2	NG	
53T	Was Not Found									
54T	Was Not Found									
~~55T~~	~~21.32~~	~~2461~~	~~228. / 240.~~	~~94155. /~~	~~58492.~~	~~5~~	~~0.76~~	~~59.8~~	~~NG~~	
56T	21.32	2461	228. / 240.	96829. /	58492.	5	0.93	71.8	NG	
~~57T~~	~~21.62~~	~~2499~~	~~149. / 240.~~	~~887. /~~	~~58492.~~	~~5~~	~~0.52~~	~~0.9~~	~~NG~~	
58T	Was Not Found									
59T	23.45	2733	252. / 264.	77360 ~~85969.~~ /	56716.	6	1.00	~~52.8~~	NG	47.5
60T	23.~~45~~50	2733~~8~~9	252. / 264.	13614 ~~85969.~~ /	56716.	6	0.96	~~70.9~~	NG	11.2
61T	23.95	2797	252. / 264.	44932. /	56716.	6	0.90	33.3	NG	
62T	Was Not Found		25.98 3054	15948	/ 56716			11.3		3.1
63T	Was Not Found		26.03 3060	3960	/ 56716					
64T	Was Not Found		26.42 3110	9164	/ 56716	.963		60.7		
65T	7.10	653	82. / 136.	36340. /	119624.	2	0.93	38.5	NG	
66T	10.87	1133	172. / 164.	71381. /	71610.	3	1.00	38.5	NG	
67T	19.07	2175	244. / 240.	51265. /	58492.	5	1.00	48.5	NG	
68T	5.48	447	99. / 152.	49669. /	27204.	1	0.81	41.1	NG	
69T	3.88	244	112. / 152.	26681. /	27204.	1	0.96	29.5	NG	
70T	13.97	1526	330. / 164.	285. /	71610.	3	0.73	1.3	NG	
71T	5.62	465	132. / 152.	34447. /	27204.	1	0.88	44.1	NG	
72T	6.30	551	152. / 152.	18774. /	27204.	1	0.92	32.6	NG	
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
~~79T~~	~~11.07~~	~~1157~~	~~154. / 164.~~	~~651. /~~	~~71610.~~	~~3~~	~~0.50~~	~~77.4~~	~~NG~~	
80T	Was Not Found									
81T	6.03	517	152. / 152.	27204. /	27204.	1	0.96	50.0	NG	
82T	8.52	833	136. / 136.	119624. /	119624.	2	0.94	50.0	NG	
83T	12.25	1308	164. / 164.	71610. /	71610.	3	0.93	50.0	NG	
84T	15.47	1717	188. / 188.	116975. /	116975.	4	0.96	50.0	NG	
85T	21.27	2454	240. / 240.	58492. /	58492.	5	0.96	50.0	NG	
86T	24.17	2823	264. / 264.	56716. /	56716.	6	1.00	50.0	NG	

TH 6/3/92

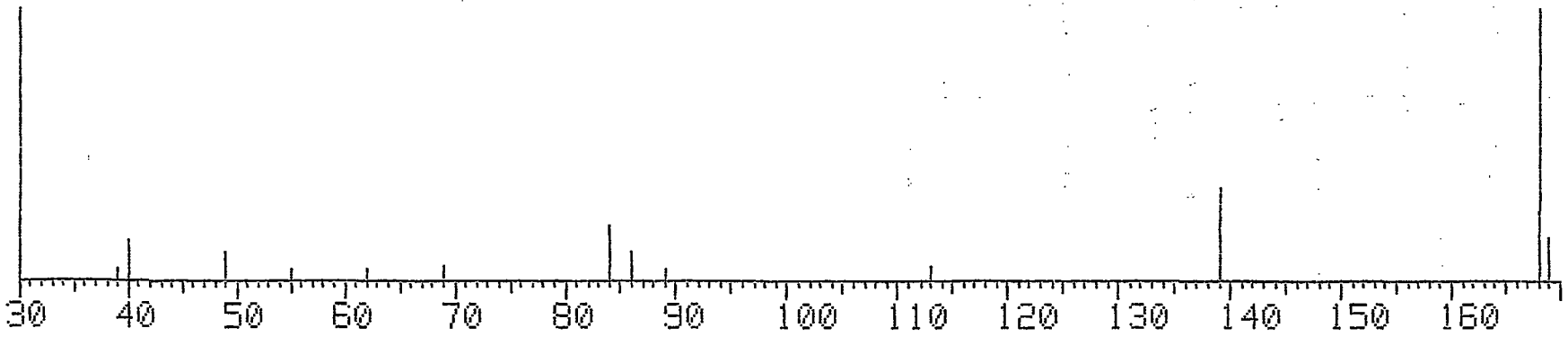
Extended Quantitation Report

EXTREL 3

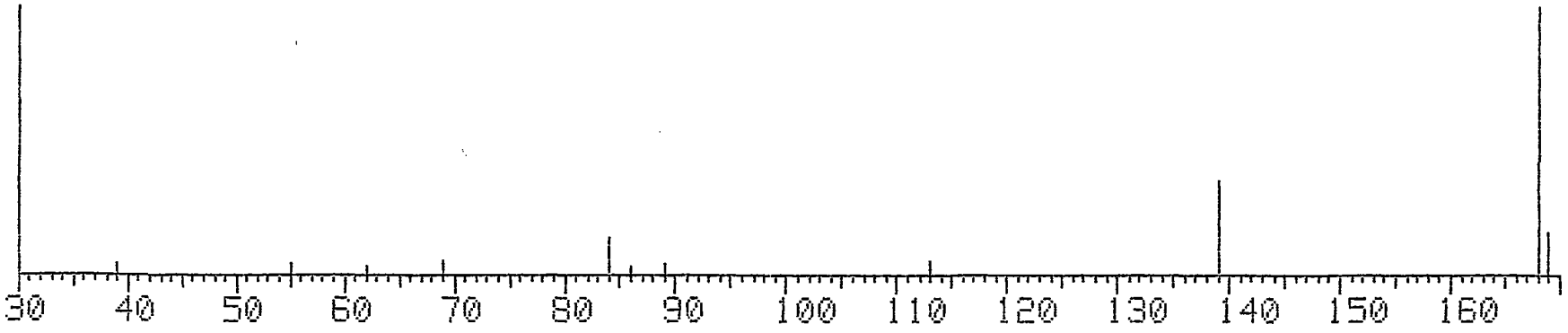
Library used: SYO:CLP90
Data file name: SYO:EQK01R
Injection time: 08-MAY-92 16:20:59

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
10T	1.177	70. / 152.	1.085	7.6	IA	BV	RF			1.00
36T	1.037	168. / 164.	1.388	1.1	IA	BB	RF			1.00
47T	1.003	178. / 188.	0.838	13.4	IA	BV	RF			1.00
48T	1.003	178. / 188.	0.844	13.3	IA	BV	RF			1.00
50T	1.099	149. / 188.	0.923	1.6	IA	BB	RF			1.00
51T	1.170	202. / 188.	0.882	19.8	IA	BV	RF			1.00
52T	0.874	202. / 240.	1.177	9.2	IA	VV	RF			1.00
55T	1.002	228. / 240.	1.077	59.8	IA	VV	RF			1.00
56T	1.002	228. / 240.	0.923	71.8	IA	BV	RF			1.00
57T	1.016	149. / 240.	0.656	0.9	IA	VV	RF			1.00
59T	0.970	252. / 264.	1.148	52.8	IA	VV	RF			1.00
60T	0.970	252. / 264.	0.855	70.9	IA	VV	RF			1.00
61T	0.991	252. / 264.	0.951	33.3	IA	VV	RF			1.00
65T	0.833	82. / 136.	0.315	38.5	IA	BV	RF			1.00
66T	0.887	172. / 164.	1.035	38.5	IA	BB	RF			1.00
67T	0.897	244. / 240.	0.723	48.5	IA	BB	RF			1.00
68T	0.909	99. / 152.	1.776	41.1	IA	BB	RF			1.00
69T	0.643	112. / 152.	1.328	29.5	IA	BB	RF			1.00
70T	1.140	330. / 164.	0.121	1.3	IA	BB	RF			1.00
71T	0.932	132. / 152.	1.149	44.1	IA	BV	RF			1.00
72T	1.045	152. / 152.	0.846	32.6	IA	VB	RF			1.00
79T	0.904	154. / 164.	0.005	77.4	IA	VB	RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA	BV	RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA	BV	RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA	BB	RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA	BV	RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA	VB	RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA	BB	RF			1.00

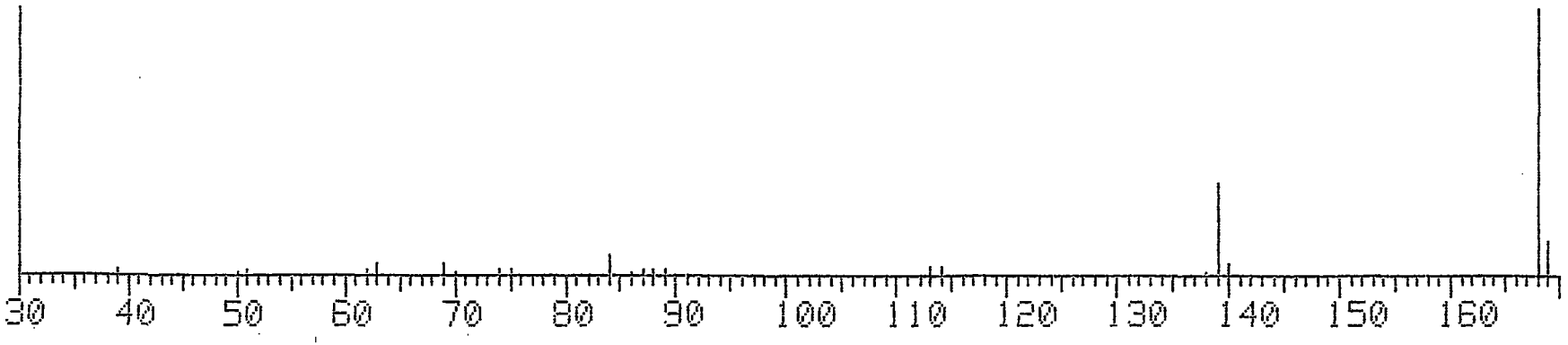
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 1365 Time 12.70 min. 1802
100 % = 760



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 1365 Time 12.70 min. 1470
Bkg scan = 1315 100 % = 760

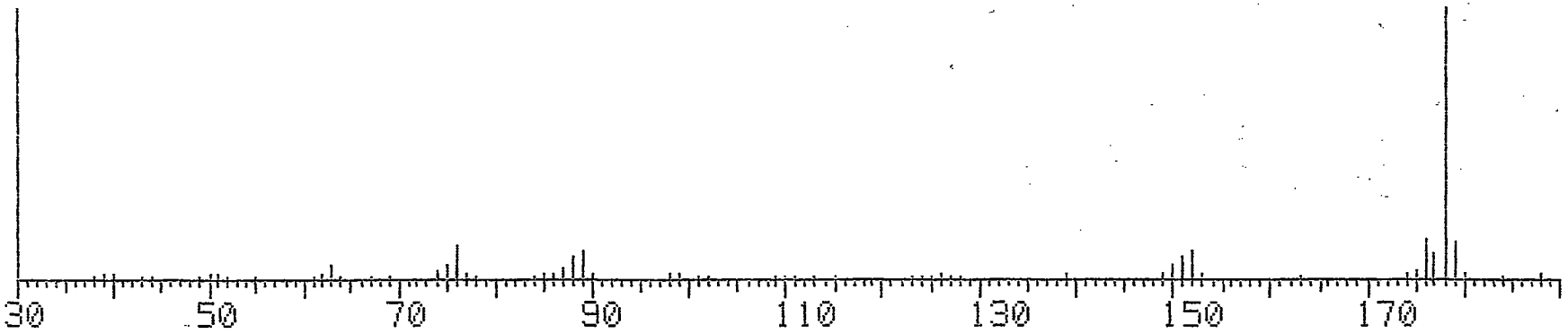


Standard Reference Spectrum: Dibenzofuran

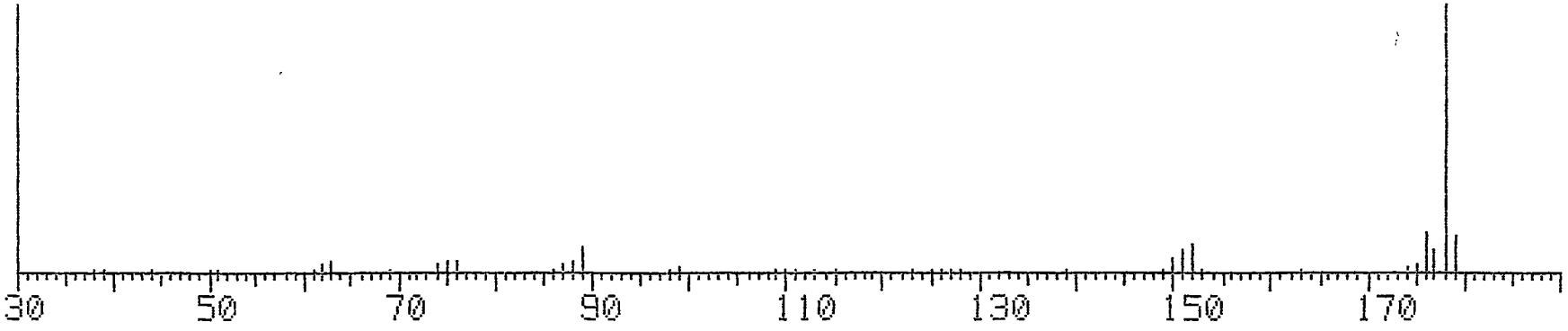


000259

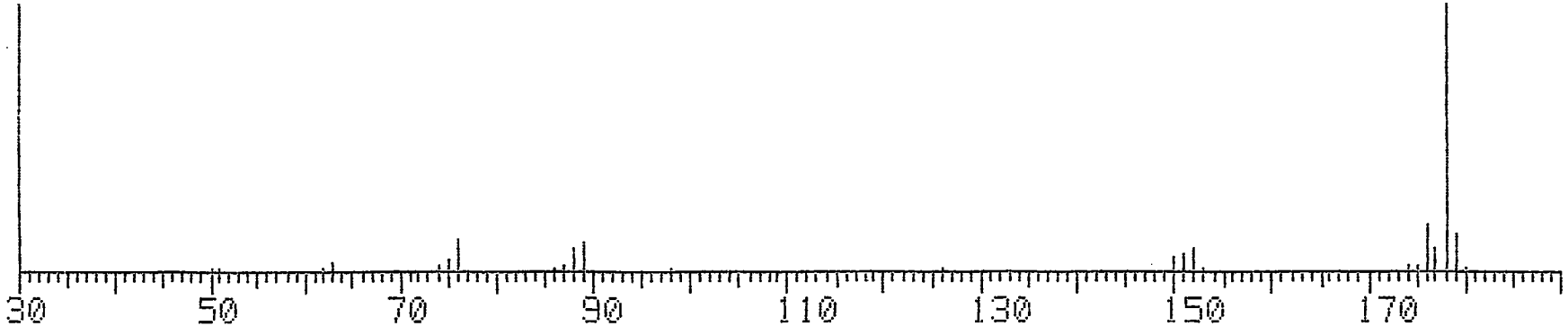
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 1723 Time 15.52 min. 21907
100 % = 8466



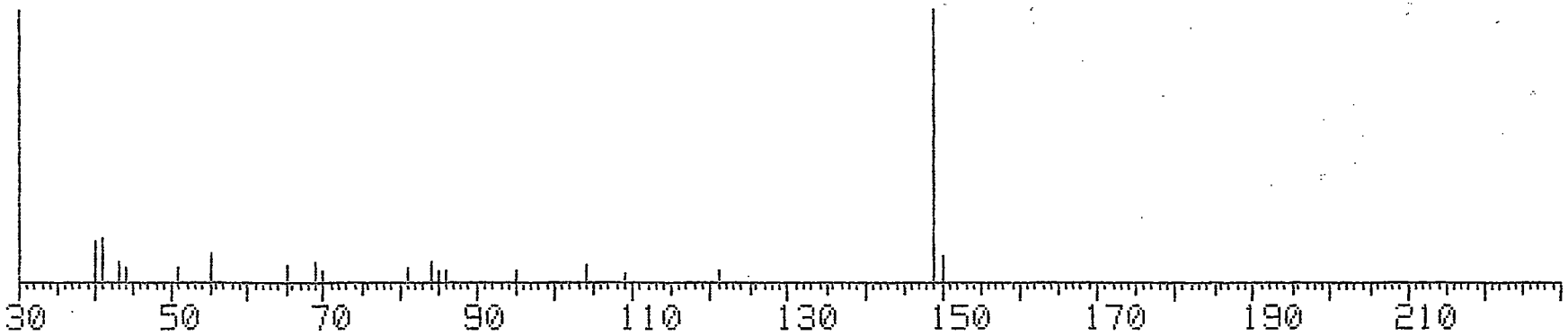
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 1723 Time 15.52 min. 18946
Bkg scan = 1716 100 % = 8466



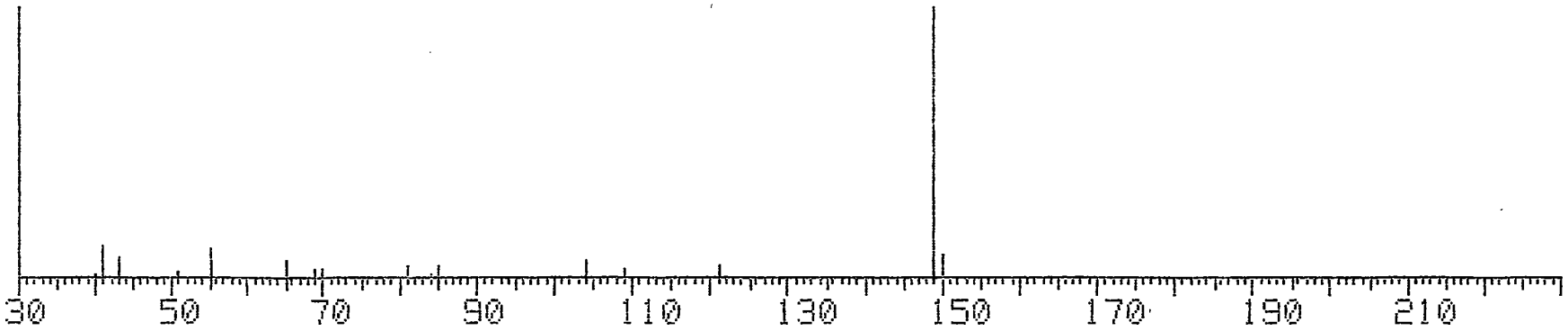
Standard Reference Spectrum: Phenanthrene



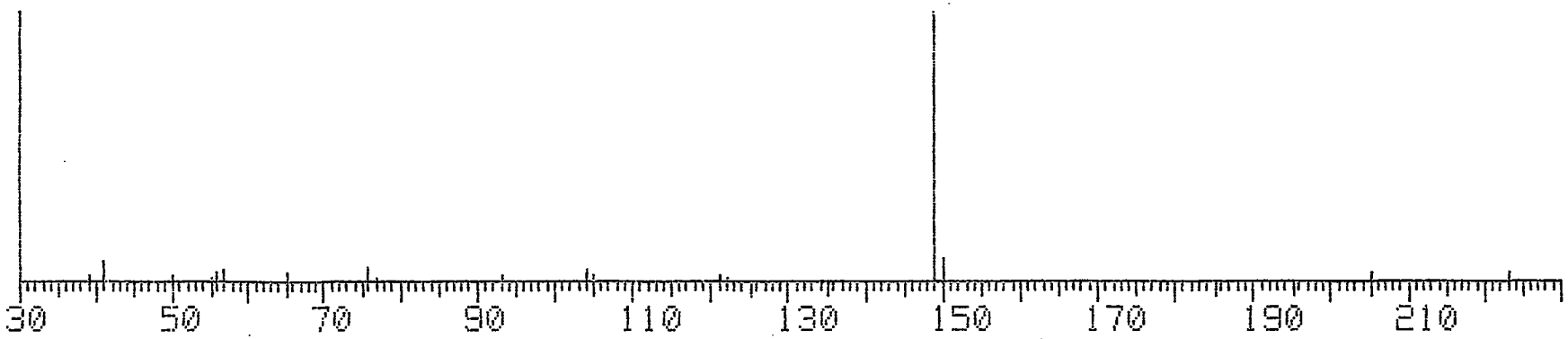
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 1912 Time 17.00 min. 2078
100 % = 951



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 1912 Time 17.00 min. 1666
Bkg scan = 1906 100 % = 951

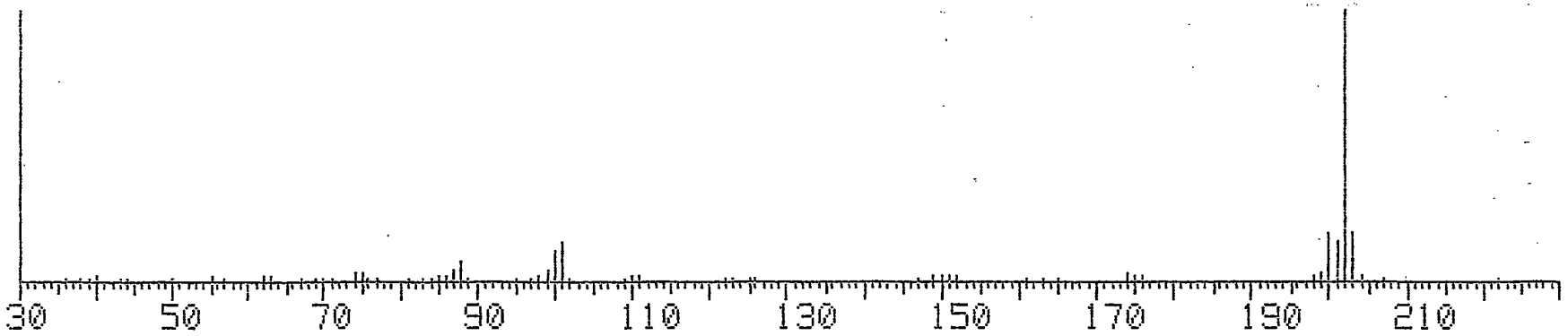


Standard Reference Spectrum: Di-n-butylphthalate

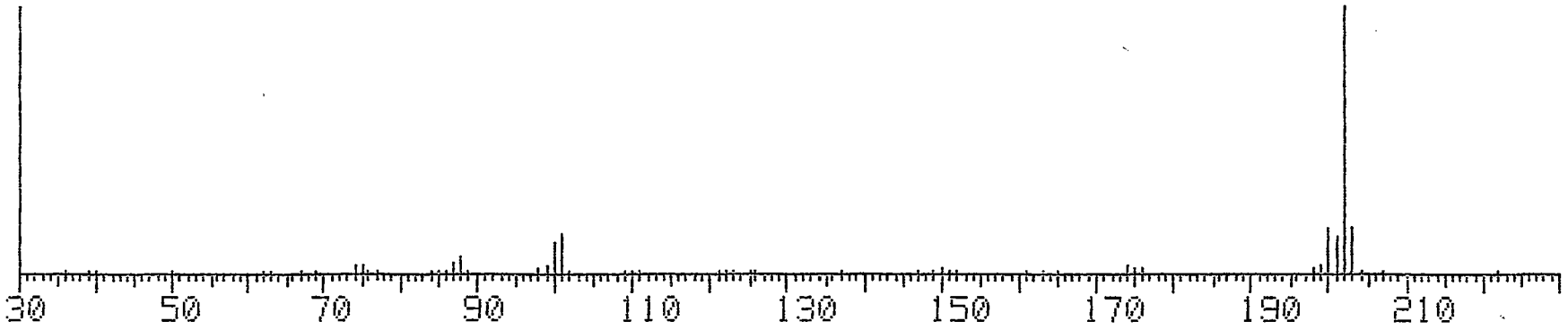


000261

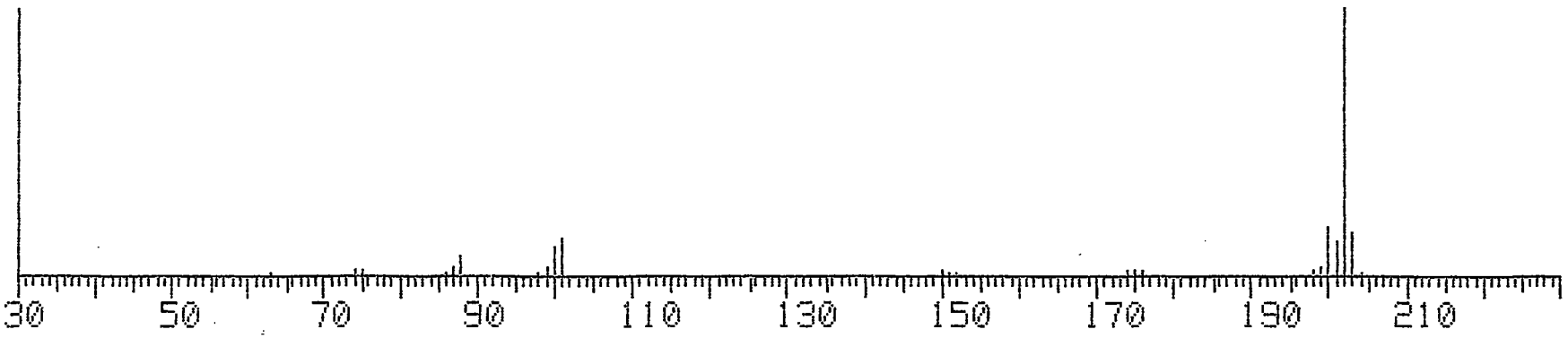
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2053 Time 18.10 min. 27933
100 % = 11369



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2053 Time 18.10 min. 26846
Bkg scan = 2043 100 % = 11369

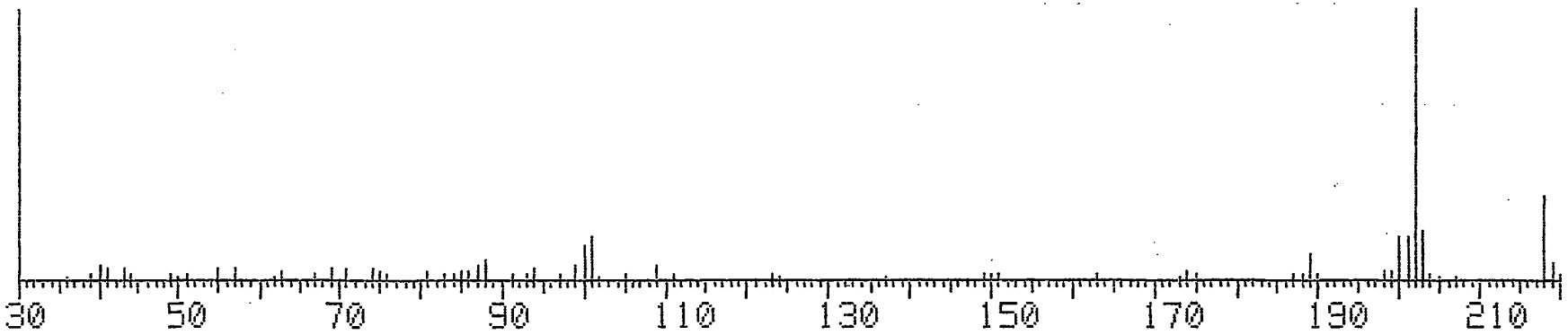


Standard Reference Spectrum: Fluoranthene

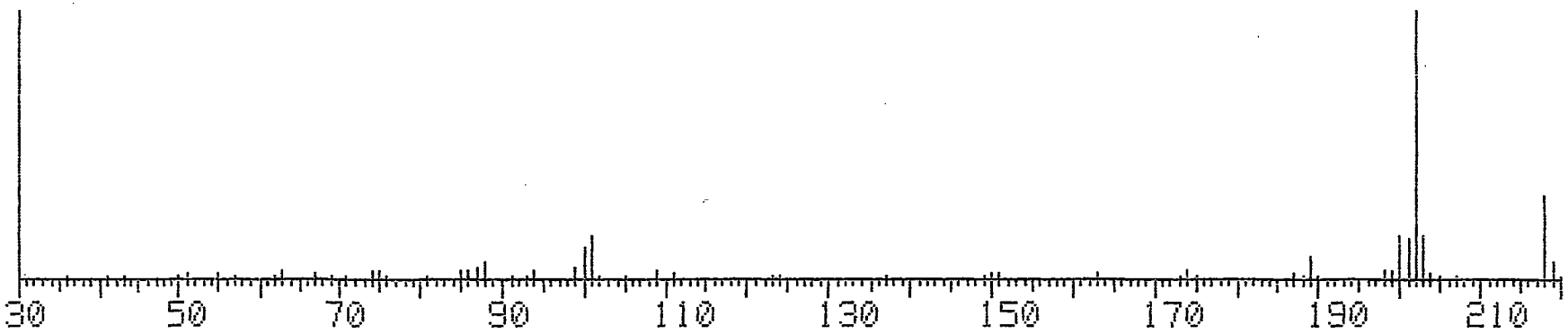


000262

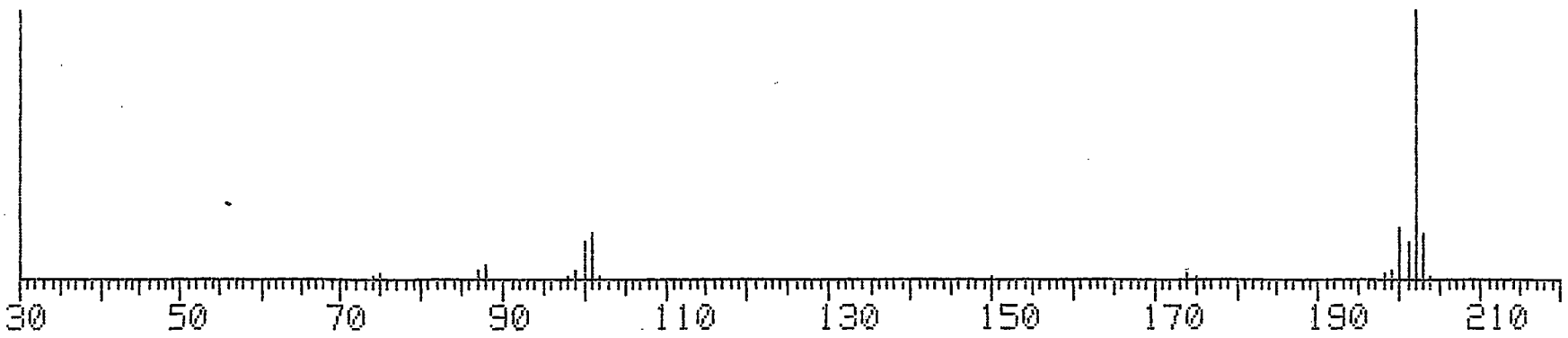
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2113 Time 18.58 min. 12444
100 % = 3578



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2113 Time 18.58 min. 11173
Bkg scan = 2104 100 % = 3578

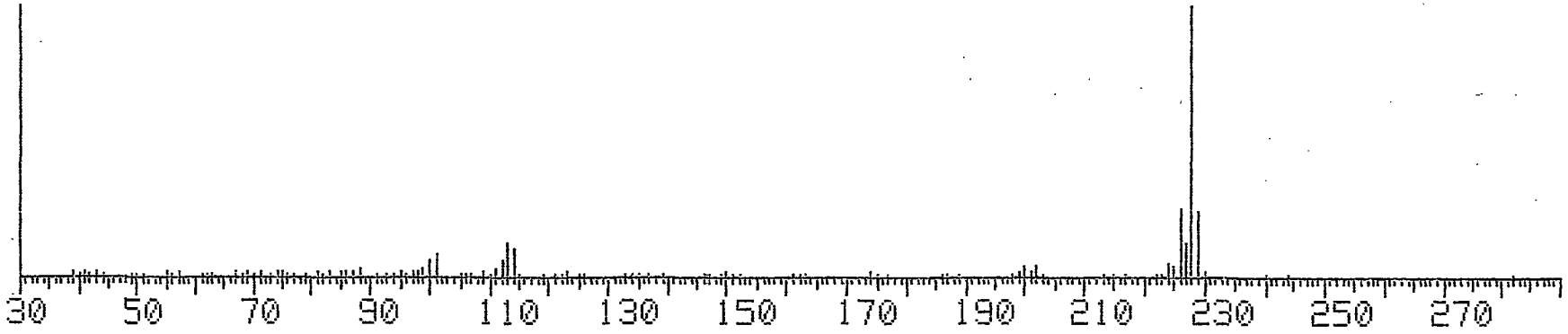


Standard Reference Spectrum: Pyrene

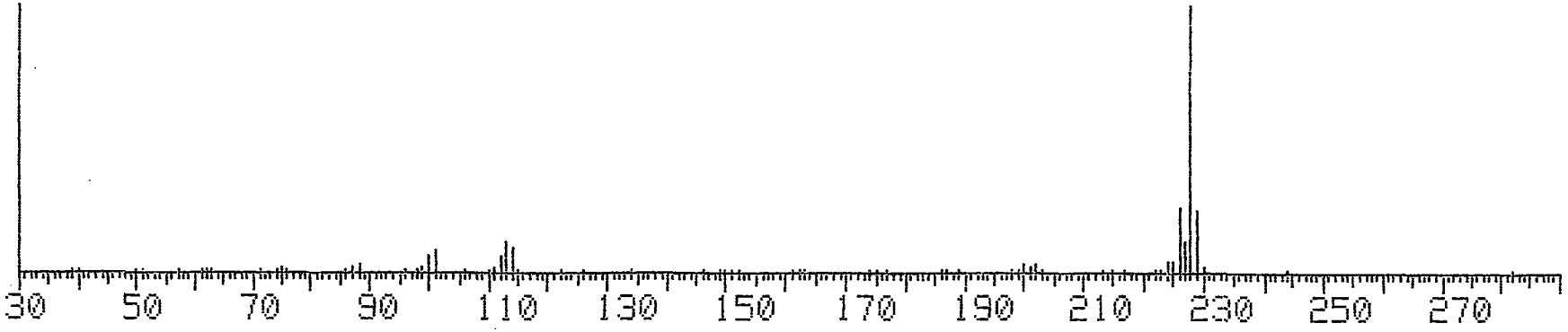


000263

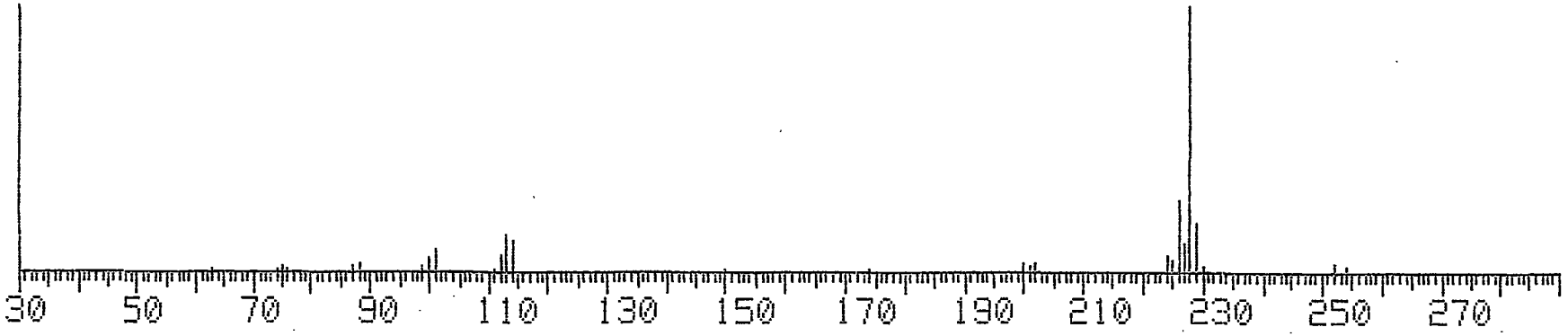
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2461 Time 21.32 min. 46735
100 % = 15374



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2461 Time 21.32 min. 41863
Bkg scan = 2434 100 % = 15374

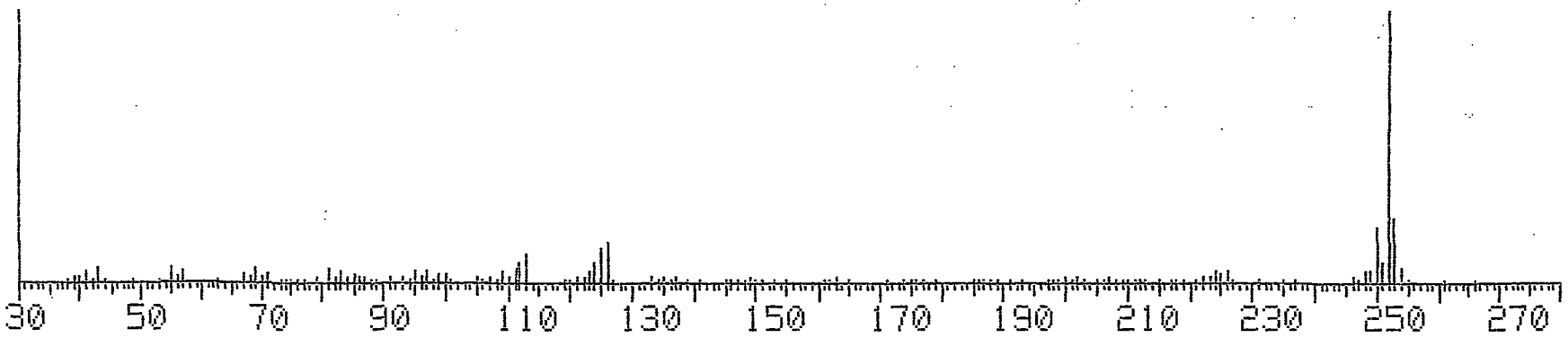


Standard Reference Spectrum: Chrysene

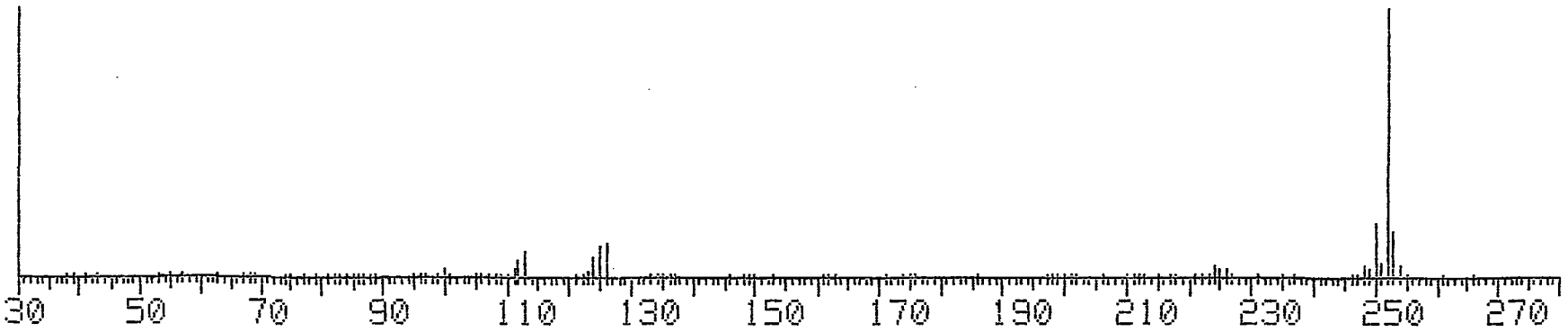


000264

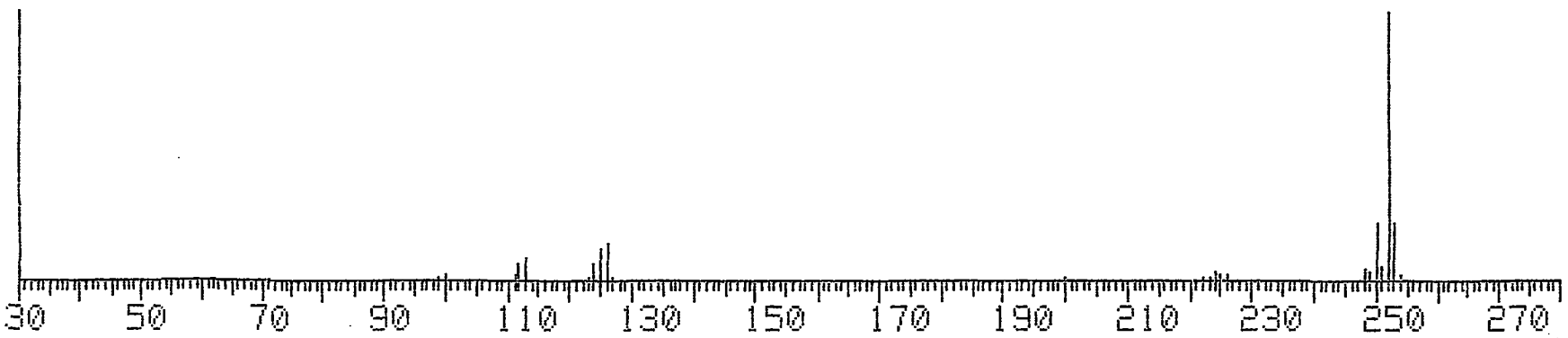
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2733 Time 23.45 min. 48431
100 % = 12665



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2733 Time 23.45 min. 35970
Bkg scan = 2722 100 % = 12665

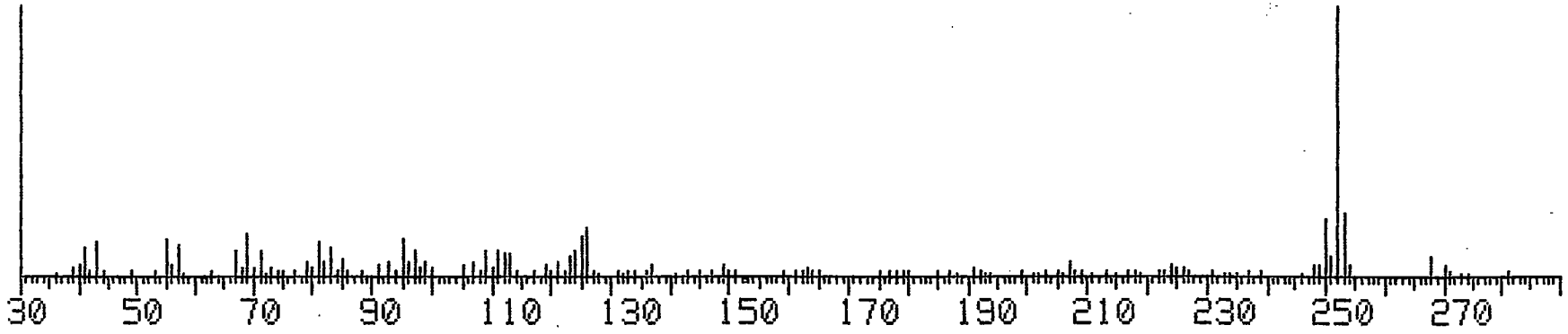


Standard Reference Spectrum: Benzo(b)fluoranthene

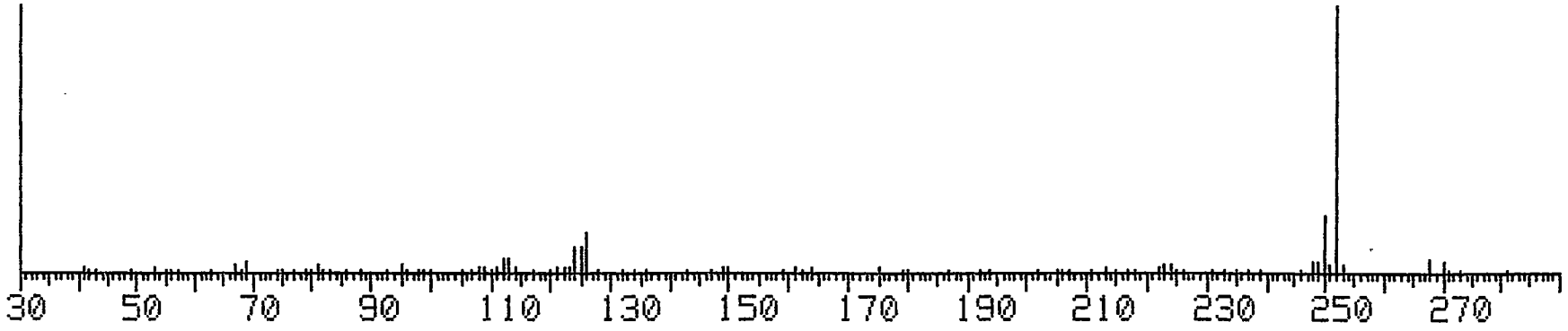


000265

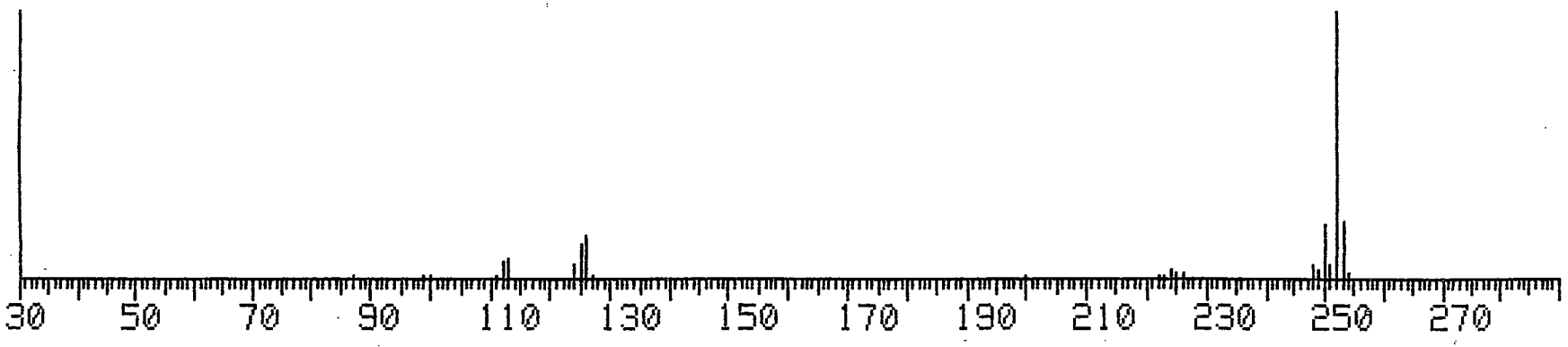
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2739 Time 23.50 min. 23606
100 % = 3785



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2739 Time 23.50 min. 11605
Bkg scan = 2722 100 % = 3785

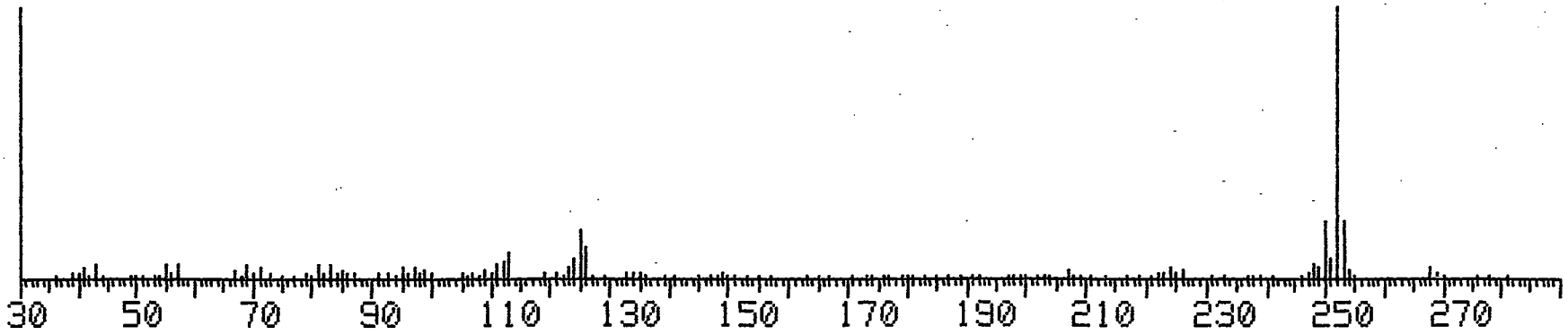


Standard Reference Spectrum: Benzo(K)Fluoranthene

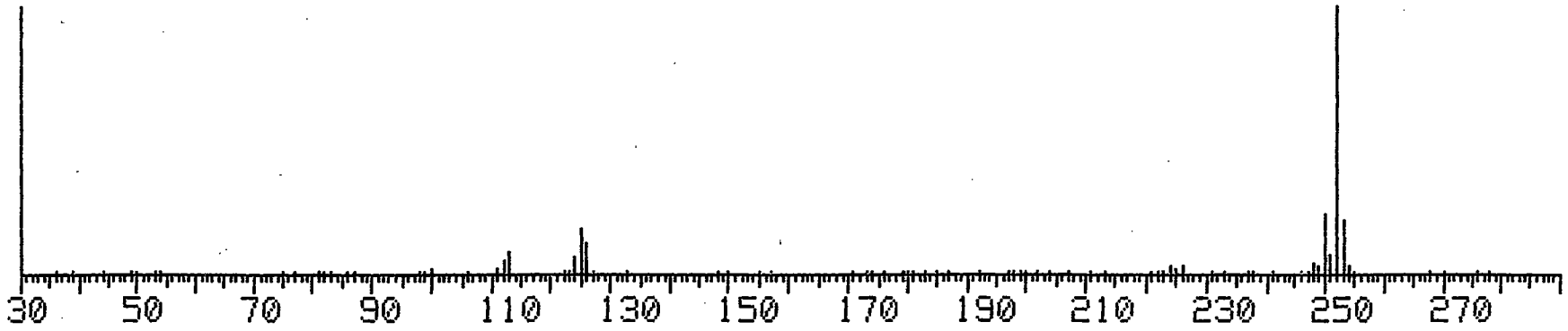


000266

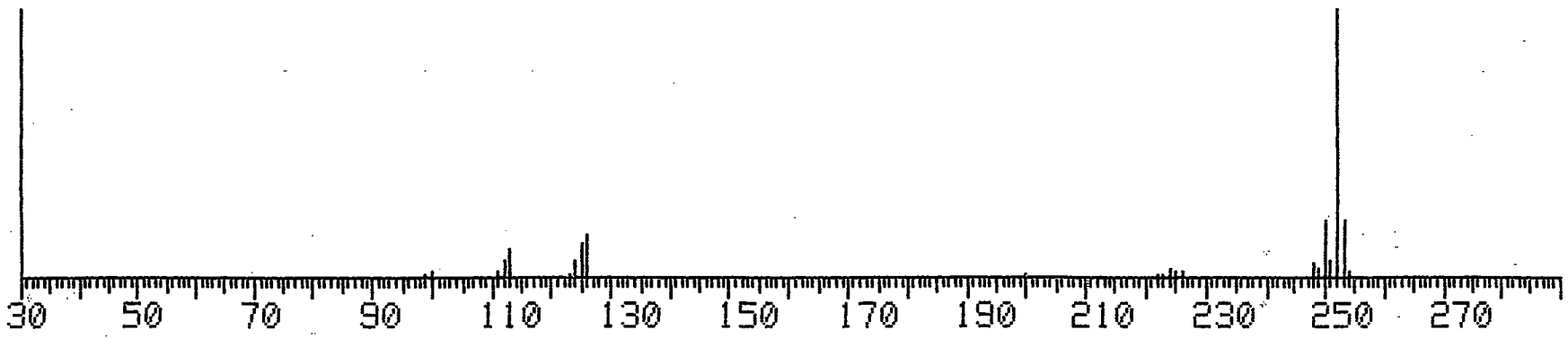
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2797 Time 23.95 min. 38316
100 % = 10238



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 2797 Time 23.95 min. 26793
Bkg scan = 2784 100 % = 10238

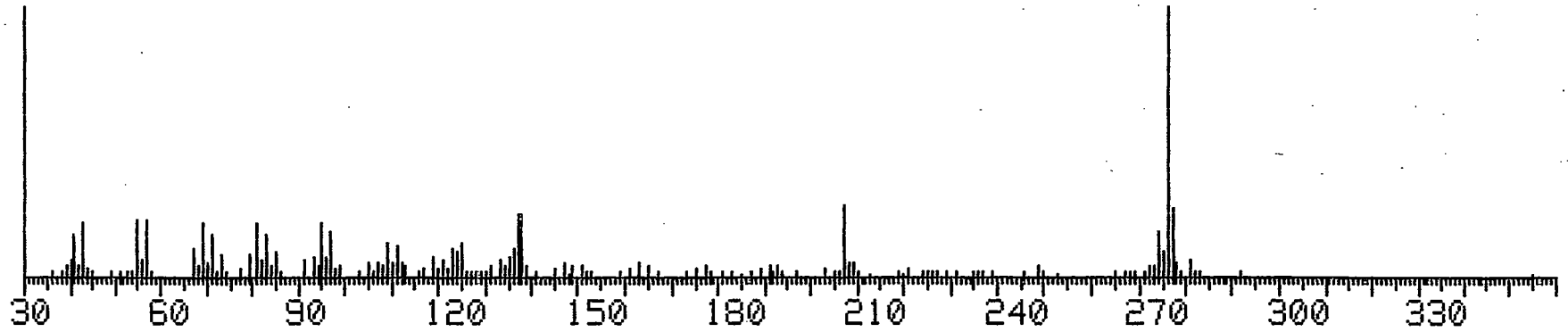


Standard Reference Spectrum: Benzo(a)pyrene

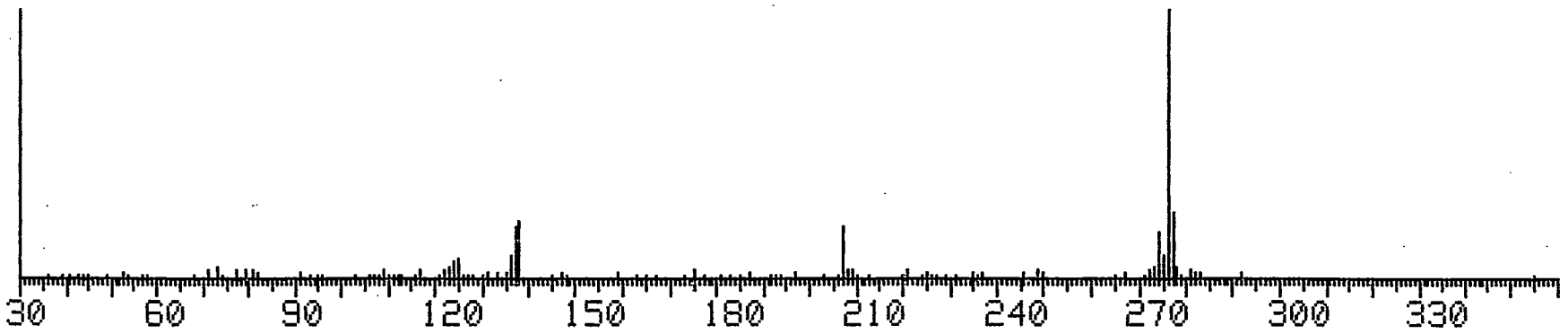


000267

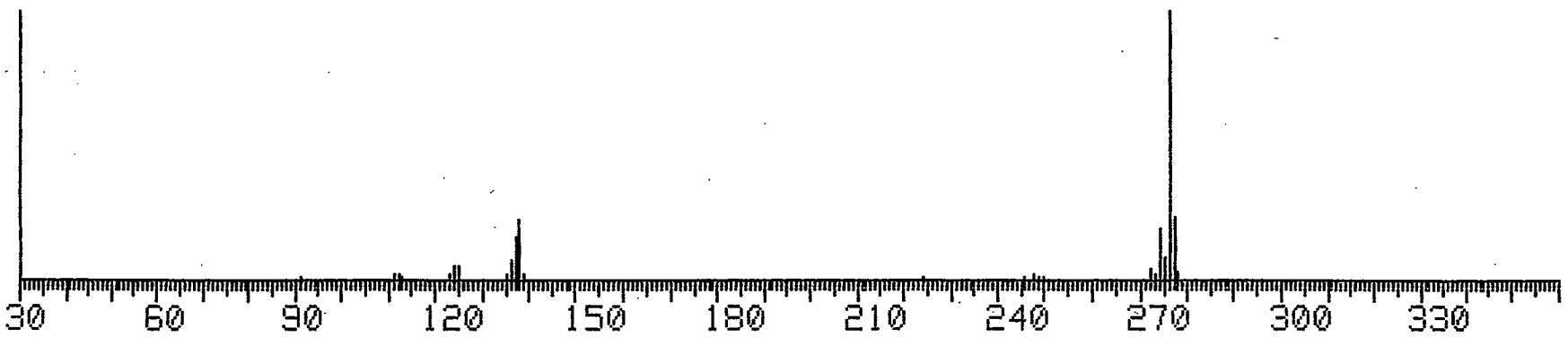
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 3054 Time 25.98 min. 23501
100 % = 2848



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 3054 Time 25.98 min. 11152
Bkg scan = 2784 100 % = 2848

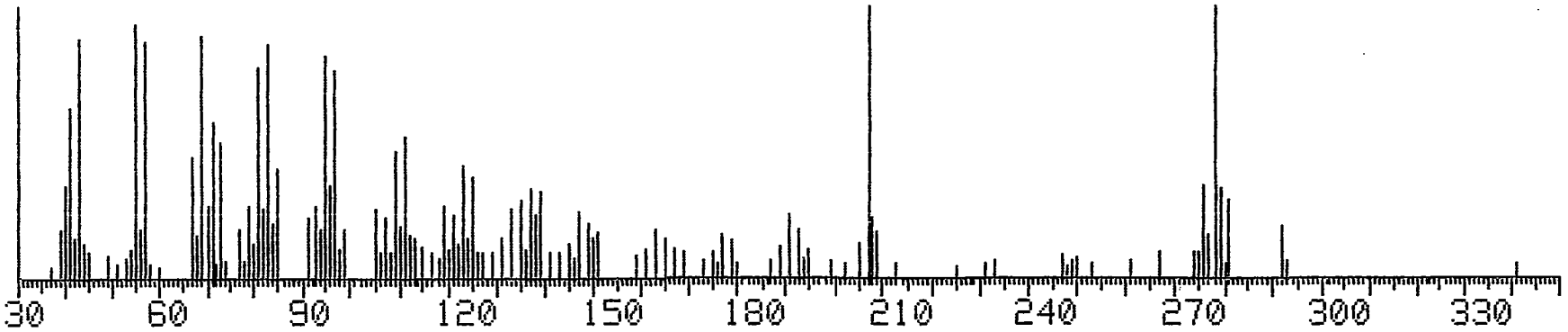


Standard Reference Spectrum: Indeno(1,2,3-cd)pyrene

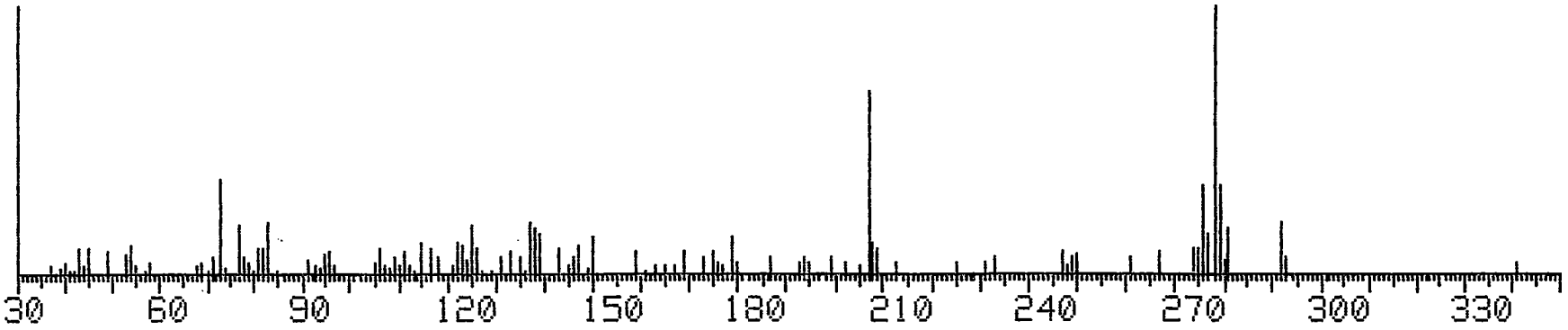


000268

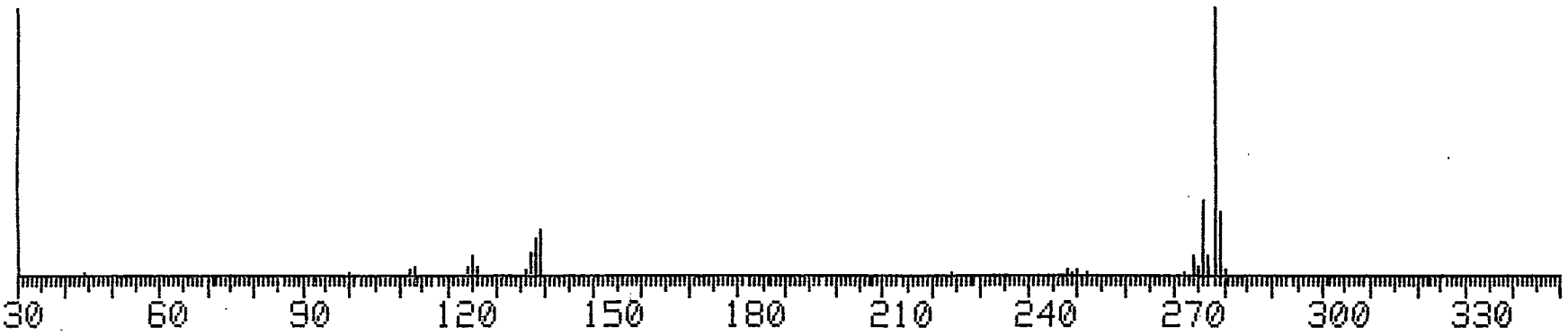
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 3060 Time 26.03 min. 18828
100 % = 682



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 3060 Time 26.03 min. 6590
Bkg scan = 2784 100 % = 682

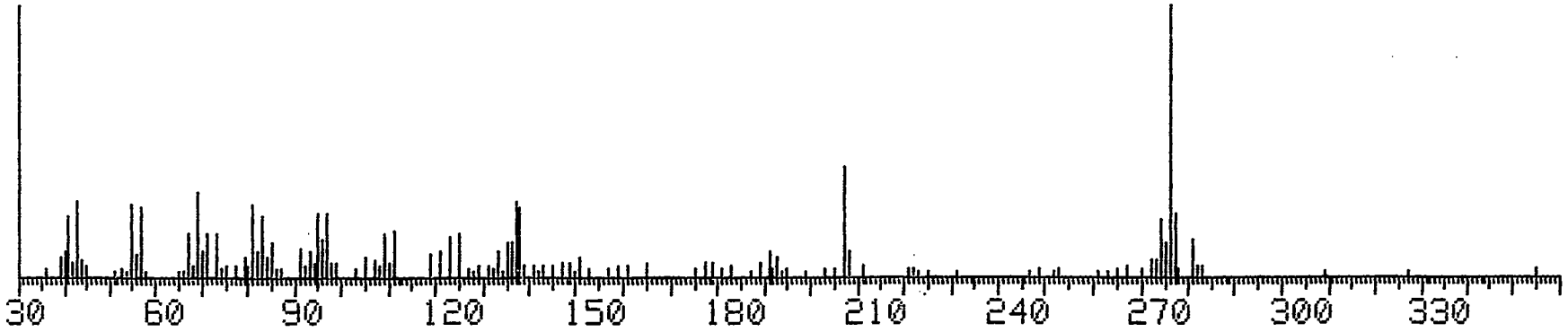


Standard Reference Spectrum: Dibenz(a,h)anthracene

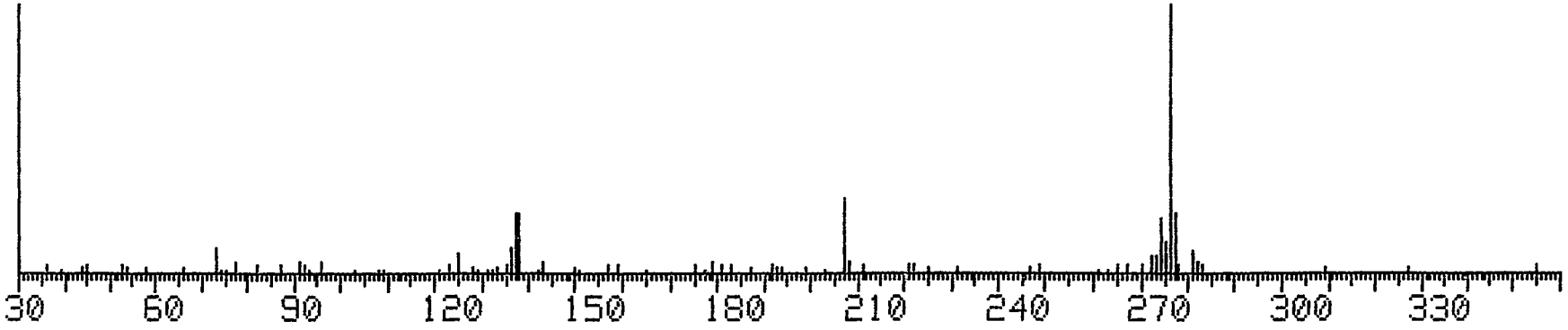


000269

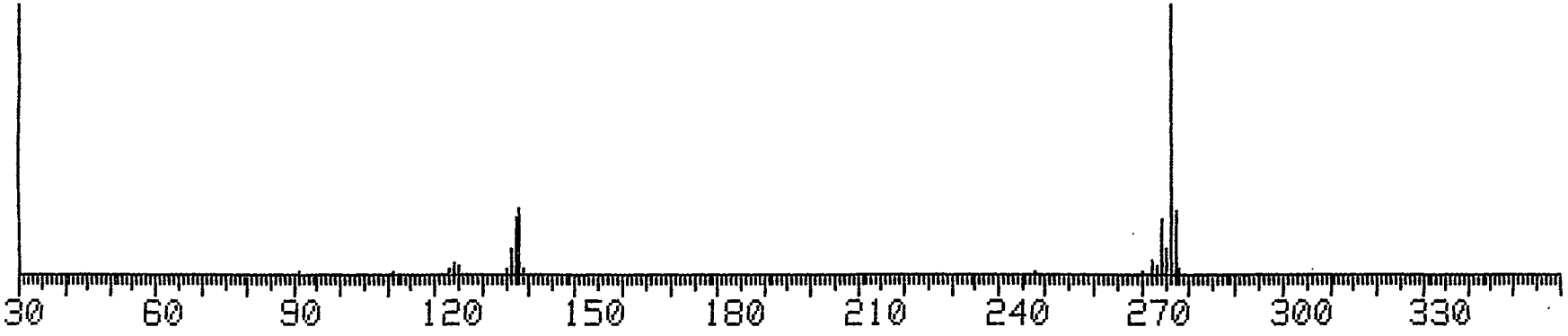
SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 3110 Time 26.42 min. 18230
100 % = 1760



SY0:EQK01R EQK01 EXTR03 Total
08-MAY-92 16:20:59 Scan 3110 Time 26.42 min. 7382
Bkg scan = 2784 100 % = 1760



Standard Reference Spectrum: Benzo(g,h,i)perylene



000270

Peak Areas from TIC Chromatogram

Data File is SYO:EQK01R
Injection date: 08-MAY-92 16:20:59

EXTREL 3

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	~~336~~	~~4.60~~	~~BB~~	~~-4~~	~~7~~	~~17833.~~	~~0.40~~	~~4.11~~	1
2	491 1	5.82	BB	-5	8	40942.	0.91	9.43	1
3	~~2135~~	~~19.75~~	~~BV~~	~~-9~~	~~3068~~	~~39225.~~	~~0.87~~	~~5.20~~	~~4~~
4	~~2341~~	~~20.37~~	~~BB~~	~~-4~~	~~4~~	~~28470.~~	~~0.63~~	~~7.86~~	~~5~~
5	2353 2	20.47	BV	-8	10 36631	~~92647.~~	2.06	~~25.59~~ 6.6	5
6	2382 3	20.70	BB	-8	6	34599.	0.77	~~9.56~~ 6.2	5
7	2393 4	20.78	BB	-5	629857	~~53073.~~	1.18	~~14.66~~ 5.4	5
8	2403 5	20.87	BV	-4	626160	~~59122.~~	1.31	~~16.33~~ 4.7	5
9	~~2418~~	~~20.93~~	~~VB~~	~~-4~~	~~7~~	~~24320.~~	~~0.54~~	~~6.72~~	~~5~~
10	~~2473~~	~~21.42~~	~~VB~~	~~-4~~	~~8~~	~~30169.~~	~~0.67~~	~~8.33~~	~~5~~
11	2577 6	22.23	BV	-22	485016	~~111912.~~	2.49	~~30.92~~ 15.4	5
12	2590 7	22.33	VB	-9	8	153976.	3.42	~~42.54~~ 21.8	5
13	~~2677~~	~~23.03~~	~~BB~~	~~-5~~	~~1~~	~~33332.~~	~~0.74~~	~~9.21~~	~~5~~
14	2696 8	23.17	BV	-10	1123409	~~87176.~~	0.83	~~10.27~~ 6.4	~~5~~ 6
15	~~2711~~	~~23.28~~	~~VV~~	~~-4~~	~~7~~	~~19084.~~	~~0.42~~	~~5.27~~	~~5~~
16	~~2754~~	~~23.62~~	~~BV~~	~~-3~~	~~23~~	~~22446.~~	~~0.50~~	~~6.20~~	~~5~~
17	2781 278	23.83	VV	-4	716770	~~24756.~~	0.55	~~6.84~~ 4.6	6
~~18~~	~~3055~~	~~25.98~~	~~BB~~	~~-6~~	~~22~~	~~49059.~~	~~1.09~~	~~13.55~~ 13.4	6
19	3089 11	26.25	BB	-5	7 288333	~~17124.~~	0.42	~~5.28~~ 7.9	6
	3033 10	25.82				24994		6.8	6

TIC areas for associated internal standards:

Std.	Area	Conc.
1	173589.	40.
4	301756.	40.
24576	~~144794.~~ 221529	40.

28236 146803

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 491
Background Scans * 1.00 486
Retention time: 5.82 min.
Date: 08-MAY-92 Time: 16:20:59

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.691
C6H14O3 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.661
C8H18O3 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.557
C8H18O4 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.518
C8H16O4 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3140
C.A.S 3944-36-3
Fit 0.476
C6H14O2 118 2-Propanol, 1-(1-methylethoxy)-

Rank 6 Spectrum 3147
C.A.S 1569-01-3
Fit 0.462
C6H14O2 118 2-Propanol, 1-propoxy-

Rank 7 Spectrum 3102
C.A.S 29006-02-8
Fit 0.437
C5H10O3 118 Butanoic acid, 4-methoxy-

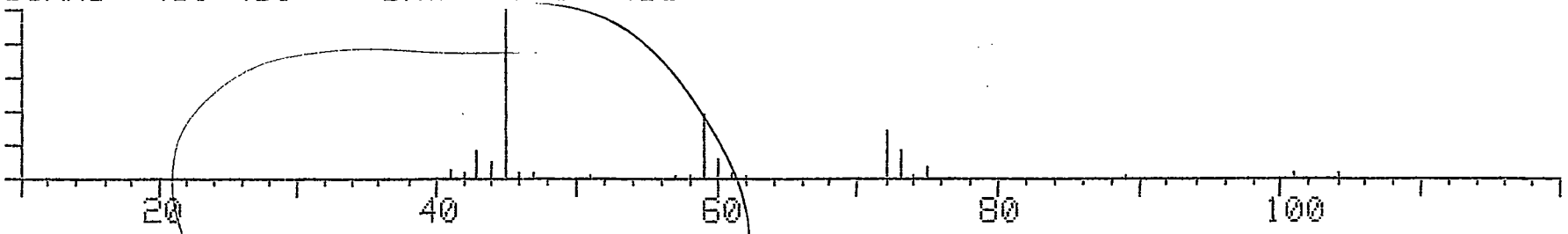
Rank 8 Spectrum 1725
C.A.S 19089-47-5
Fit 0.412
C5H12O2 104 1-Propanol, 2-ethoxy-

Rank 9 Spectrum 11070
C.A.S 10143-32-5
Fit 0.403
C8H18O3 162 2-Propanol, 1-(2-ethoxypropoxy)-

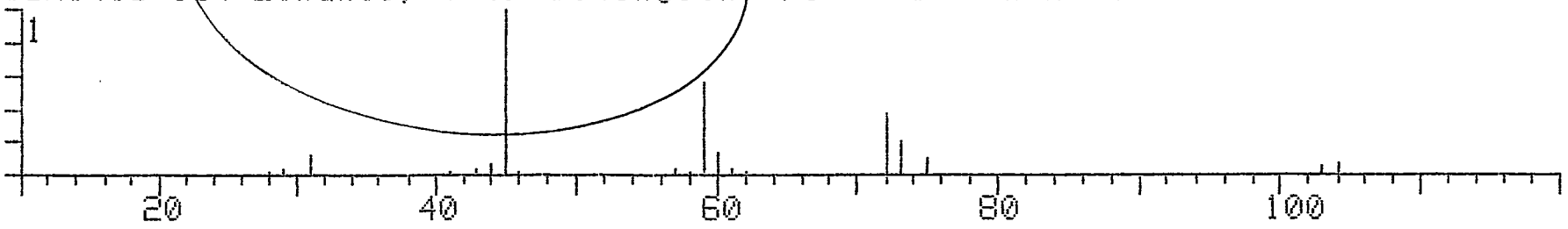
Rank 10 Spectrum 29060
C.A.S 23778-52-1
Fit 0.388
C11H24O6 252 2,5,8,11,14-Pentaoxahexadecan-16-ol

NISTEPA Forward Library Search TIC = 11867
Injection Date: 08-MAY-92 Time: 16:20:59 100% = 4704
Filename: SY0:EQK01R
Comments:
EQK01 EXTR03

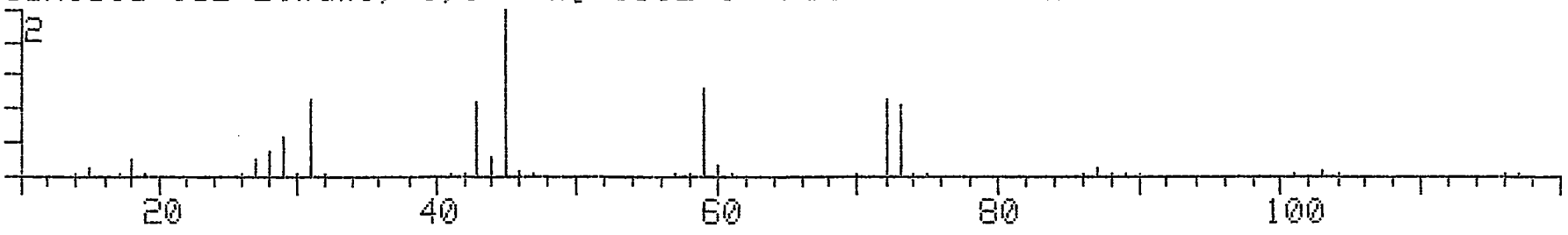
SCANS: 491-491 BKG * 1.00 486



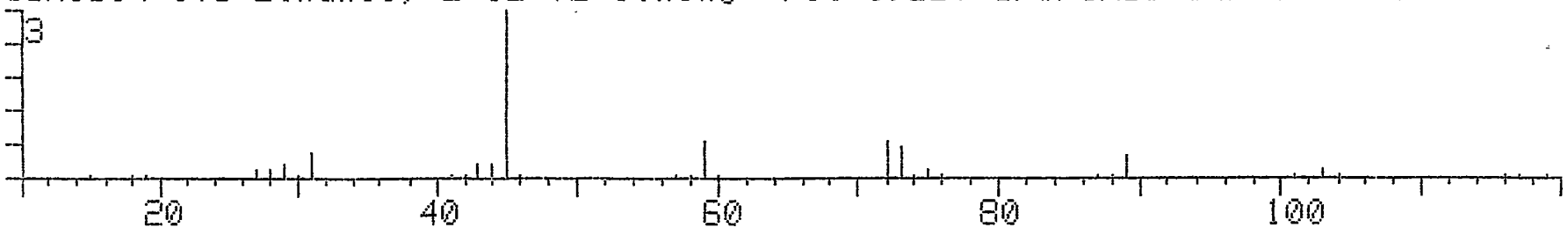
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.691 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.661 SP#/CAS# 11076/112-36-7



C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.557 SP#/CAS# 14577/112-50-5



000273

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2353
Background Scans * 1.00 2345
Retention time: 20.47 min.
Date: 08-MAY-92 Time: 16:20:59

UNKNOWN

Forward Search

Rank 1 Spectrum 25476
C.A.S 82-05-3
Fit 0.529
C17H10O 230 7H-Benz[de]anthracen-7-one

Rank 2 Spectrum 25468
C.A.S -0
Fit 0.373
C16H10N2 230 BENZENE, 1-PHENYL-4-(2,2-DICYANOETHENYL)

Rank 3 Spectrum 25477
C.A.S 3029-19-4
Fit 0.351
C17H10O 230 1-Pyrene-carboxaldehyde

Rank 4 Spectrum 25469
C.A.S 6292-62-2
Fit 0.348
C16H10N2 230 Benzonitrile, 4,4'-(1,2-ethenediyl)bis-

Rank 5 Spectrum 31241
C.A.S 4594-89-2
Fit 0.278
C17H12ClN 265 Quinoline, 4-(p-chlorostyryl)-

Rank 6 Spectrum 25480
C.A.S 92-94-4
Fit 0.262
C18H14 230 1,1':4',1''-Terphenyl

Rank 7 Spectrum 25485
C.A.S 2175-90-8
Fit 0.248
C18H14 230 Benzene, (2,4-cyclopentadien-1-ylidenephenylmethyl)-

Rank 8 Spectrum 25482
C.A.S 64401-21-4
Fit 0.247
C18H14 230 Pyrene, 1,3-dimethyl-

Rank 9 Spectrum 25488
C.A.S 84-15-1
Fit 0.236
C18H14 230 1,1':2',1''-Terphenyl

Rank 10 Spectrum 25386
C.A.S 82-57-5
Fit 0.229
C13H10O4 230 Visnagin

NISTEPA Forward Library Search

TIC = 7261

Injection Date: 08-MAY-92 Time: 16:20:59

100% = 1586

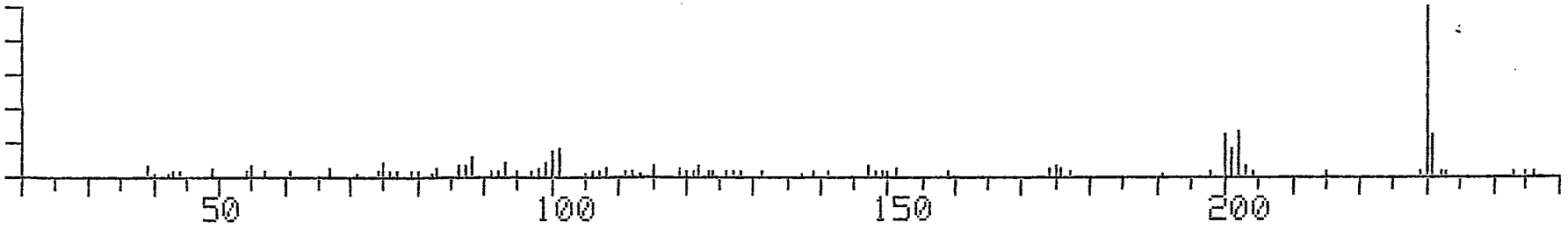
Filename: SY0:EQK01R

Comments:

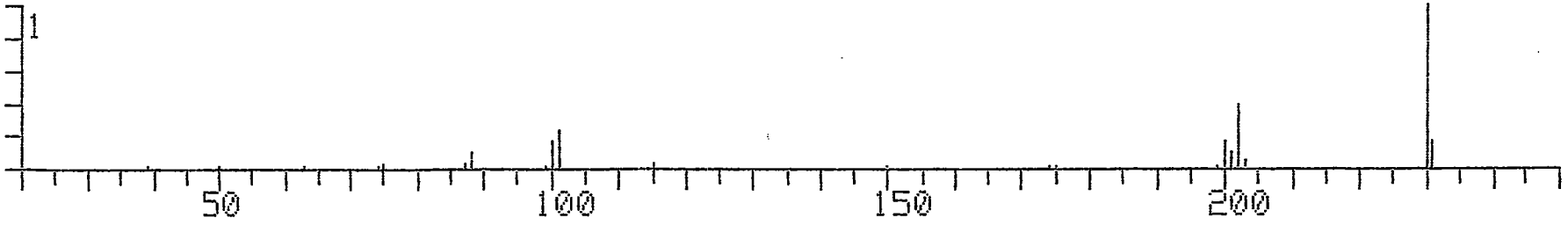
EQK01 EXTR03

UNKNOWN

SCANS: 2353-2353 BKG * 1.00 2345

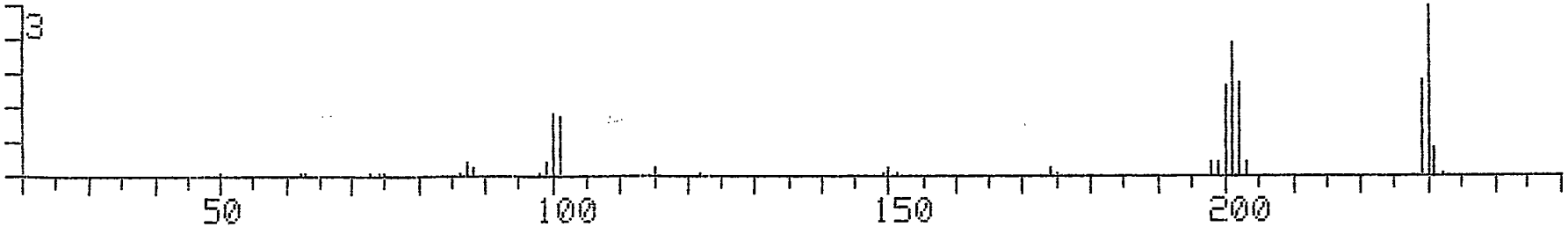


C17H10O 230 7H-Benz[de]anthracen-7- Fit 0.529 SP#/CAS# 25476/82-05-3



C16H10N2 230 BENZENE, 1-PHENYL-4-(2 Fit 0.373 SP#/CAS# 25468/

C17H10O 230 1-Pyrene-carboxaldehyde Fit 0.351 SP#/CAS# 25477/3029-19-4



000275

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2382
Background Scans * 1.00 2374
Retention time: 20.70 min.
Date: 08-MAY-92 Time: 1[illegible]

UNKNOWN POLYAROMATIC HYDROCARBON

Forward Search

Rank 1 Spectrum 26104
C.A.S 239-35-0
Fit 0.730
C16H10S 234 Benzo[b]naphtho[2,1-d]thiophene

Rank 2 Spectrum 26103
C.A.S 205-43-6
Fit 0.601
C16H10S 234 Benzo[b]naphtho[1,2-d]thiophene

Rank 3 Spectrum 26140
C.A.S 7343-06-8
Fit 0.255
C18H18 234 Phenanthrene, 3,4,5,6-tetramethyl-

Rank 4 Spectrum 26126
C.A.S 7396-38-5
Fit 0.213
C18H18 234 Phenanthrene, 2,4,5,7-tetramethyl-

Rank 5 Spectrum 26124
C.A.S -0
Fit 0.202
C18H18 234 7,8,9,10,11,12-HEXAHYDROBENZ[A]ANTHRACENE

Rank 6 Spectrum 26141
C.A.S 31158-25-5
Fit 0.201
C18H18 234 Benzene, 1,1'-(2-cyclohexen-1-ylidene)bis-

Rank 7 Spectrum 26127
C.A.S 67064-61-3
Fit 0.196
C18H18 234 5,6,8,9,10,11-Hexahydrobenz[A]anthracene

Rank 8 Spectrum 26135
C.A.S 2091-91-0
Fit 0.191
C18H18 234 1,2,3,4,5,6-Hexahydrochrysene

Rank 9 Spectrum 38882
C.A.S 55569-11-4
Fit 0.177
C21H36O2 320 Pregnane-3,20-diol, (3.alpha.,5.beta.)-

Rank 10 Spectrum 25912
C.A.S 319-88-0
Fit 0.176
C6Cl3F3 234 Benzene, 1,3,5-trichloro-2,4,6-trifluoro-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

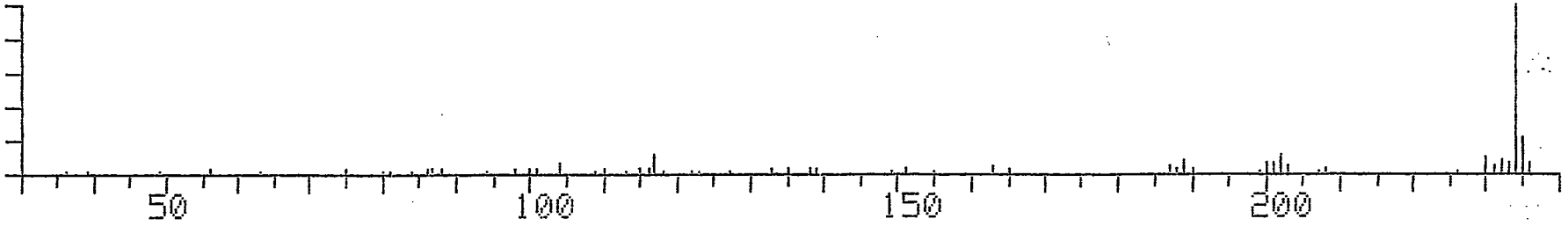
EQK01 EXTR03

TIC = 8697

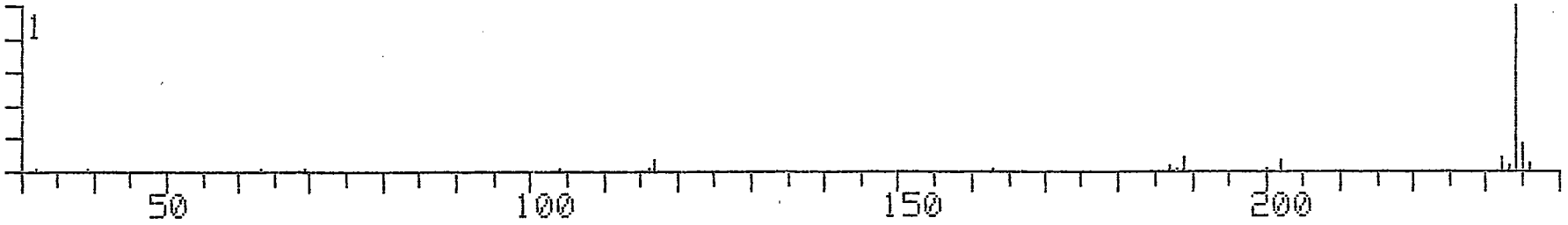
100% = 3120

UNKNOWN POLYAROMATIC HYDROCARBON

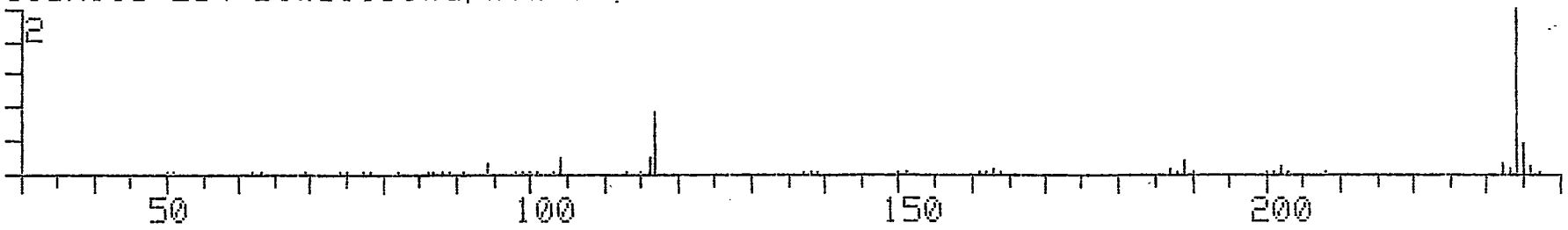
SCANS: 2382-2382 BKG * 1.00 2374



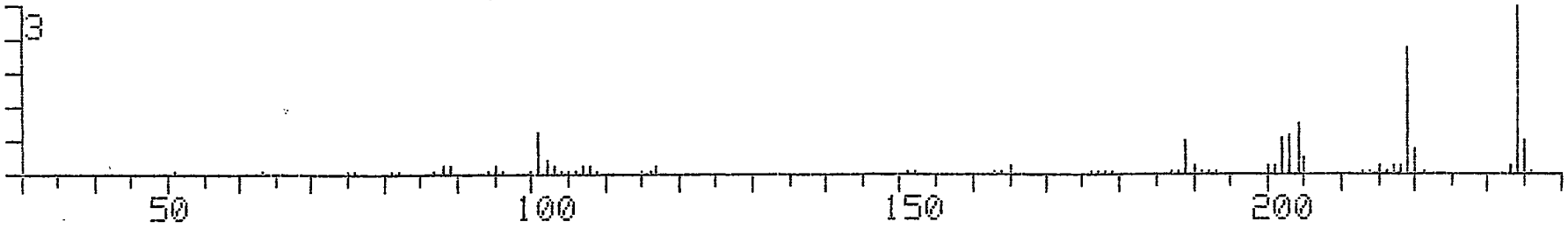
C16H10S 234 Benzo[b]naphtho[2,1-d]t Fit 0.730 SP#/CAS# 26104/239-35-0



C16H10S 234 Benzo[b]naphtho[1,2-d]t Fit 0.601 SP#/CAS# 26103/205-43-6



C18H18 234 Phenanthrene, 3,4,5,6-te Fit 0.255 SP#/CAS# 26140/7343-06-8



000277

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2393
Background Scans * 1.00 2388
Retention time: 20.78 min.
Date: 08-MAY-92 Time: 16:20:59

UNKNOWN POLYAROMATIC HYDROCARBON

Forward Search

Rank 1 Spectrum 25184
C.A.S 195-19-7
Fit 0.464
C18H12 228 Benzo[c]phenanthrene

Rank 2 Spectrum 25185
C.A.S 25732-74-5
Fit 0.419
C18H12 228 3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)

Rank 3 Spectrum 24822
C.A.S 203-12-3
Fit 0.417
C18H10 226 Benzo[ghi]fluoranthene

Rank 4 Spectrum 24823
C.A.S 27208-37-3
Fit 0.324
C18H10 226 Cyclopenta[cd]pyrene

Rank 5 Spectrum 32526
C.A.S 7496-02-8
Fit 0.289
C18H11NO2 273 6-Nitrochrysene

Rank 6 Spectrum 24101
C.A.S 2146-97-6
Fit 0.277
C2H4Cl4Si2 224 1,1,3,3-Tetrachloro-1,3-disilacyclobutane

Rank 7 Spectrum 32222
C.A.S 56909-18-3
Fit 0.241
C19H13NO 271 Benzo[c]phenanthrene-1-carboxamide

Rank 8 Spectrum 24117
C.A.S 1435-50-3
Fit 0.229
C6H3BrCl2 224 Benzene, 2-bromo-1,4-dichloro-

Rank 9 Spectrum 24115
C.A.S 18282-59-2
Fit 0.226
C6H3BrCl2 224 Benzene, 4-bromo-1,2-dichloro-

Rank 10 Spectrum 24104
C.A.S 5932-18-3
Fit 0.201
C3H2Br2N2 224 1H-Pyrazole, 3,4-dibromo-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

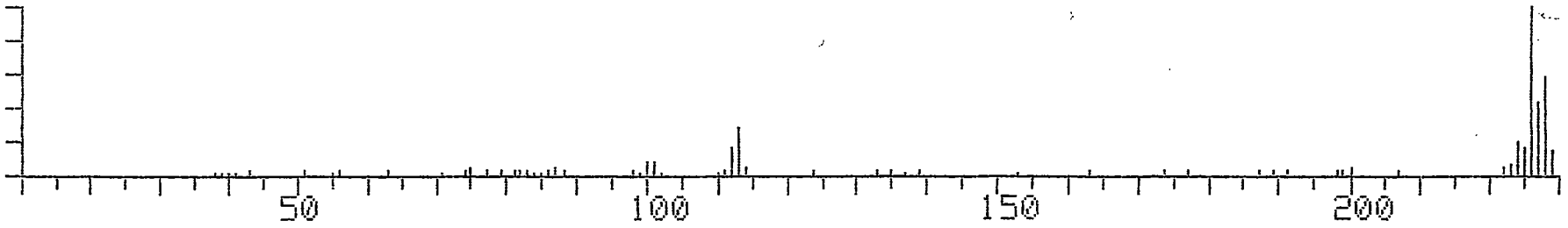
EQK01 EXTR03

TIC = 7577

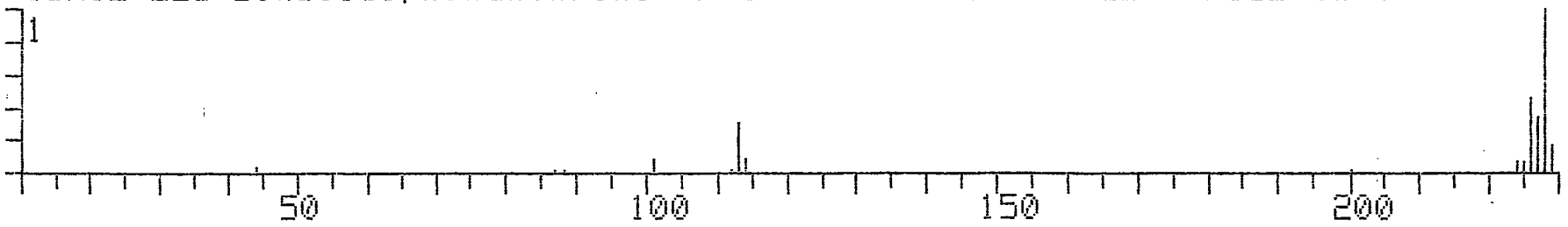
100% = 1793

UNKNOWN POLYAROMATIC HYDROCARBON

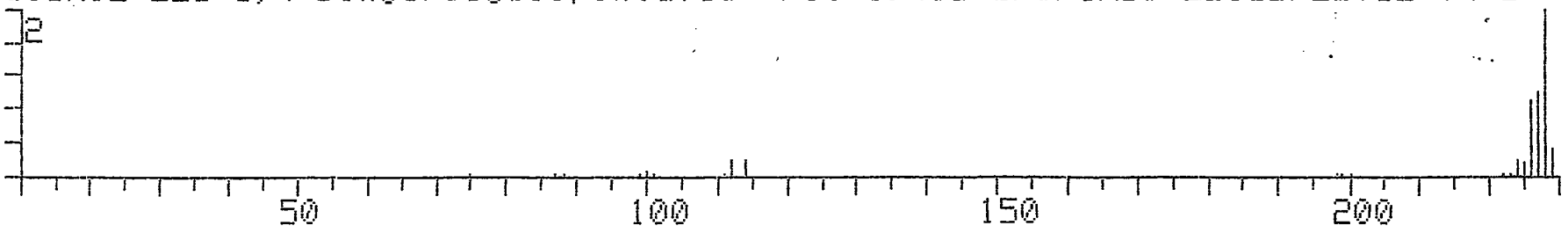
SCANS: 2393-2393 BKG * 1.00 2388



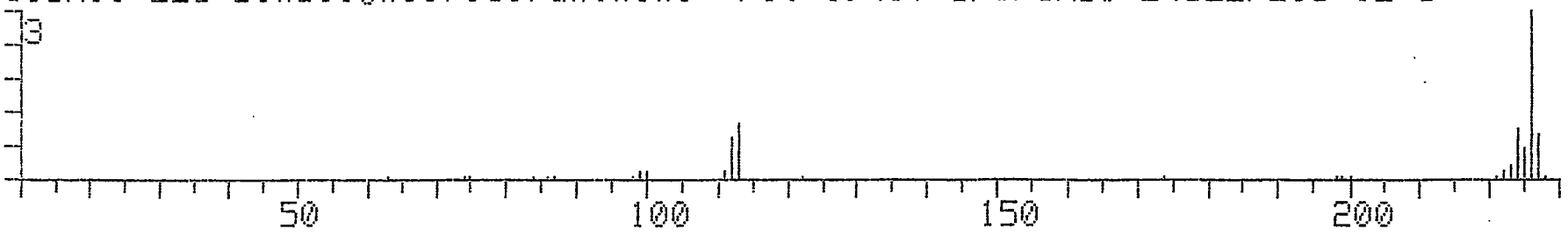
C18H12 228 Benzo[c]phenanthrene Fit 0.464 SP#/CAS# 25184/195-19-7



C18H12 228 3,4-Dihydrocyclopenta(cd Fit 0.419 SP#/CAS# 25185/25732-74-5



C18H10 226 Benzo[ghi]fluoranthene Fit 0.417 SP#/CAS# 24822/203-12-3



000279

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2403
Background Scans * 1.00 2399
Retention time: 20.87 min.
Date: 08-MAY-92 Time: 16:20:59

UNKNOWN

Forward Search

Rank 1 Spectrum 25271
C.A.S 225-11-6
Fit 0.329
C17H11N 229 Benzo(A)acridine

Rank 2 Spectrum 25481
C.A.S 959-02-4
Fit 0.290
C18H14 230 Naphthacene, 5,12-dihydro-

Rank 3 Spectrum 25209
C.A.S 4205-90-7
Fit 0.255
C9H9Cl2N3 229 1H-Imidazol-2-amine, N-(2,6-dichlorophenyl)-4,5-dihydro-

Rank 4 Spectrum 25183
C.A.S 92-24-0
Fit 0.252
C18H12 228 Naphthacene

Rank 5 Spectrum 30661
C.A.S 13014-18-1
Fit 0.231
C7H3Cl5 262 Benzene, 2,4-dichloro-1-(trichloromethyl)-

Rank 6 Spectrum 30660
C.A.S 877-11-2
Fit 0.221
C7H3Cl5 262 Benzene, pentachloromethyl-

Rank 7 Spectrum 25241
C.A.S 77745-35-8
Fit 0.216
C13H8ClNO 229 2(1H)-Acridinone, 5-chloro-

Rank 8 Spectrum 25467
C.A.S -0
Fit 0.216
C16H10N2 230 BENZONITRILE, 3-(2-CYANO-2-PHENYLETHENYL)

Rank 9 Spectrum 35075
C.A.S 16218-45-4
Fit 0.210
C20H18O2 290 5,6-Chrysenediol, 5,6-dihydro-5,6-dimethyl-

Rank 10 Spectrum 27839
C.A.S 55741-10-1
Fit 0.210
C18H28 244 Naphthalene, 6,7-diethyl-1,2,3,4-tetrahydro-1,1,4,4-tetrame
thyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

EQK01 EXTR03

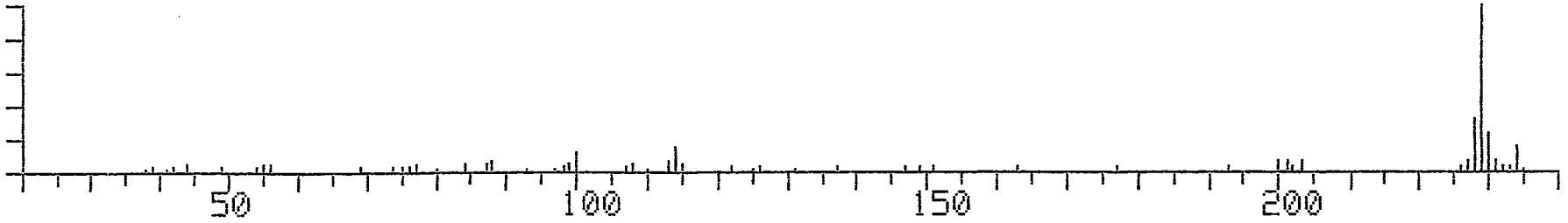
TIC = 6103

100% = 1782

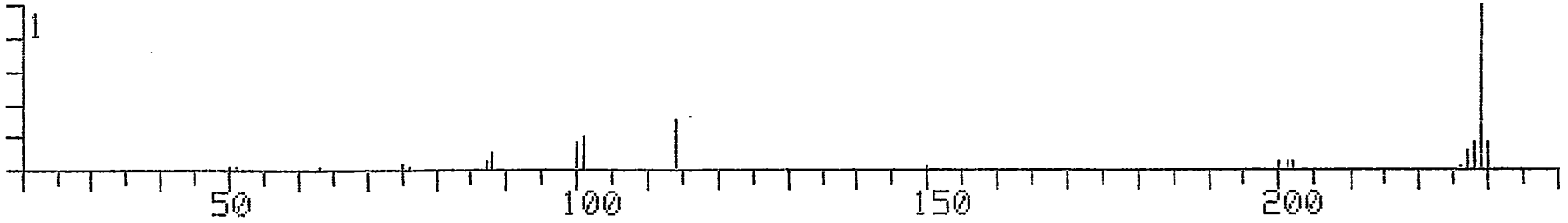
000281

UNKNOWN

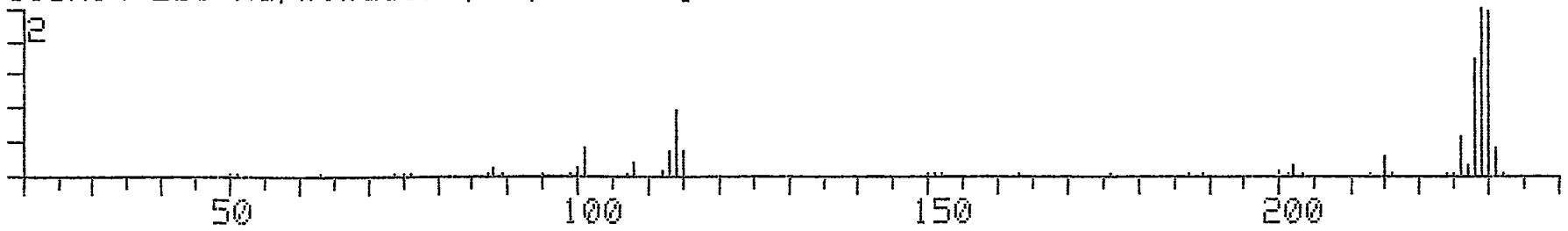
SCANS: 2403-2403 BKG * 1.00 2399



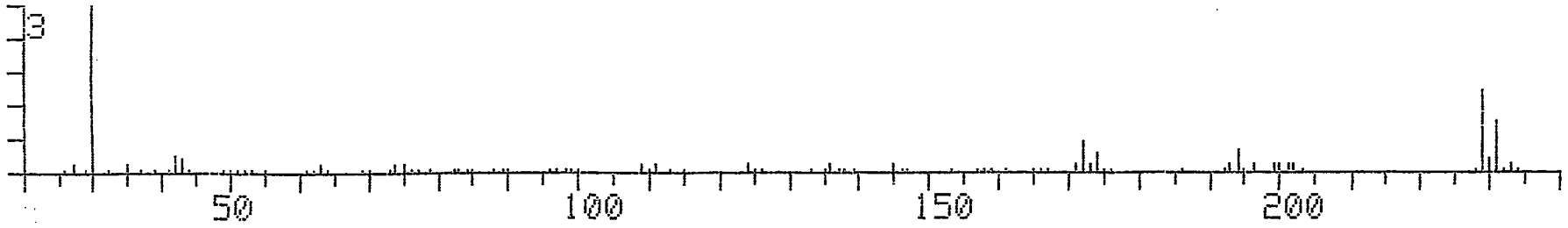
C17H11N 229 Benzo(A)acridine Fit 0.329 SP#/CAS# 25271/225-11-6



C18H14 230 Naphthacene, 5,12-dihydr Fit 0.290 SP#/CAS# 25481/959-02-4



C9H9Cl2N3 229 1H-Imidazol-2-amine, Fit 0.255 SP#/CAS# 25209/4205-90-7



NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2577
Background Scans * 1.00 2555
Retention time: 22.23 min.
Date: 08-MAY-92 Time: 16:20:59

Forward Search

Rank 1 Spectrum 30216
C.A.S 2498-66-0
Fit 0.475
C18H10O2 258 Benz(A)anthracene-7,12-dione

UNKNOWN

Rank 2 Spectrum 30215
C.A.S 1090-13-7
Fit 0.464
C18H10O2 258 5,12-Naphthacenedione

Rank 3 Spectrum 30214
C.A.S 100900-16-1
Fit 0.267
C18H10O2 258 1,4-Chrysene quinone

Rank 4 Spectrum 32985
C.A.S 82735-49-7
Fit 0.151
C19H16O2 276 trans-8,9-Dihydro-11-methylbenz(A)anthracene-8,9-diol

Rank 5 Spectrum 32983
C.A.S 82735-47-5
Fit 0.103
C19H16O2 276 trans-3,4-Dihydro-11-methylbenz(A)anthracene-3,4-diol

Rank 6 Spectrum 32986
C.A.S 82735-50-0
Fit 0.102
C19H16O2 276 trans-10,11-Dihydro-11-methylbenz[A]anthracene-10,11-diol

Rank 7 Spectrum 36657
C.A.S -0
Fit 0.102
C20H30O2 302 17.ALPHA.-ETHYNYL-5.BETA.-ESTRANE-3.BETA.,17.BETA.-DIOL

Rank 8 Spectrum 30032
C.A.S 14874-82-9
Fit 0.100
C7H7O4Rh 258 Rhodium, dicarbonyl(2,4-pentanedionato-O,O')-, (SP-4-2)-

No further entries found in library for this spectrum

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

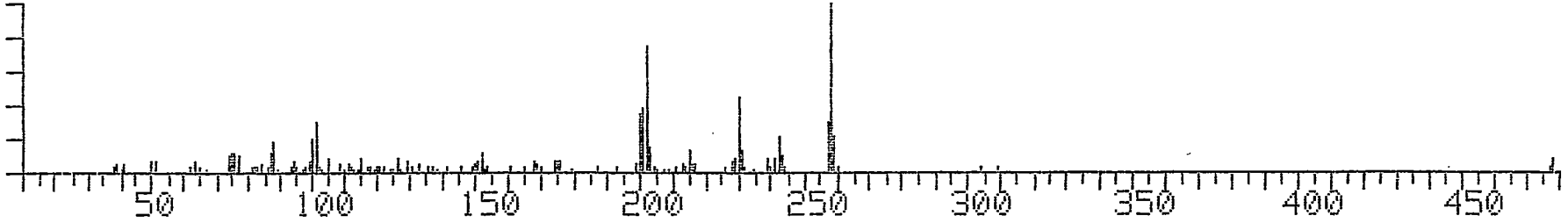
EQK01 EXTR03

TIC = 16121

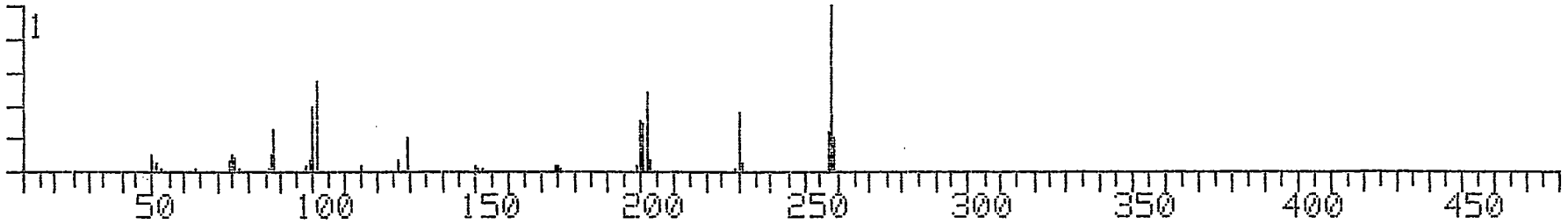
100% = 1952

UNKNOWN

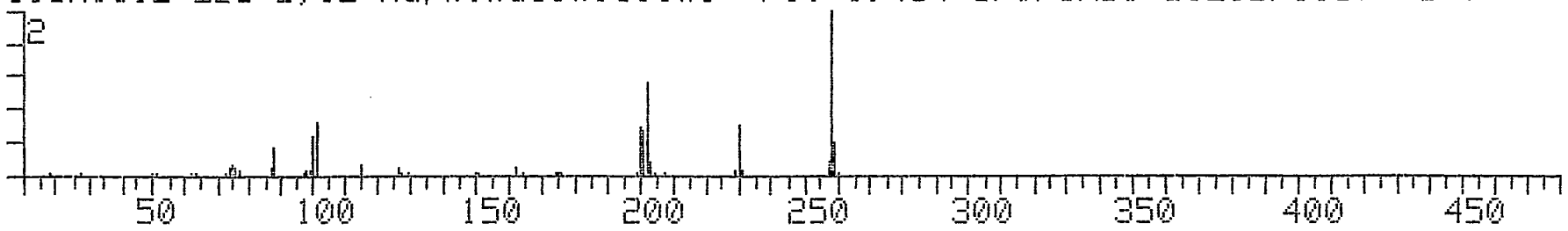
SCANS: 2577-2577 BKG * 1.00 2555



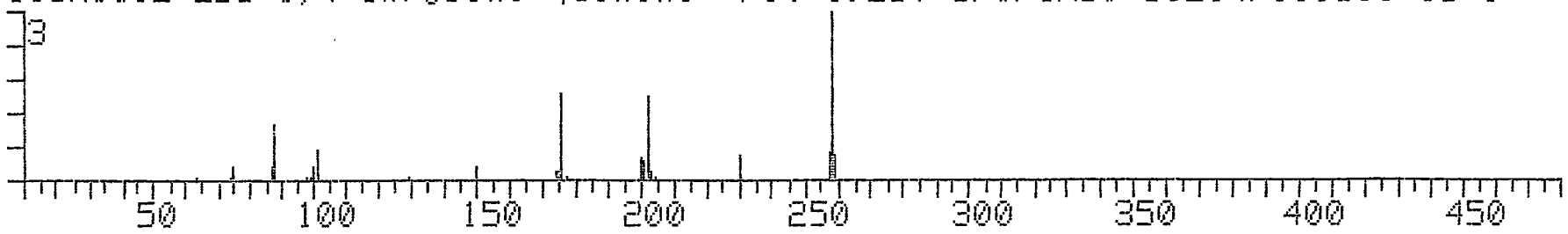
C18H10O2 258 Benz(A)anthracene-7,12 Fit 0.475 SP#/CAS# 30216/2498-66-0



C18H10O2 258 5,12-Naphthacenedione Fit 0.464 SP#/CAS# 30215/1090-13-7



C18H10O2 258 1,4-Chrysene quinone Fit 0.267 SP#/CAS# 30214/100900-16-1



000283

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2590
Background Scans * 1.00 2581
Retention time: 22.33 min.
Date: 08-MAY-92 Time: 16:20:59

Forward Search

UNKNOWN

Rank 1 Spectrum 28230
C.A.S 5522-43-0
Fit 0.776
C16H9NO2 247 1-Nitropyrene

Rank 2 Spectrum 28228
C.A.S -0
Fit 0.742
C16H9NO2 247 3-NITROFLUORANTHENE

No further entries found in library for this spectrum

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

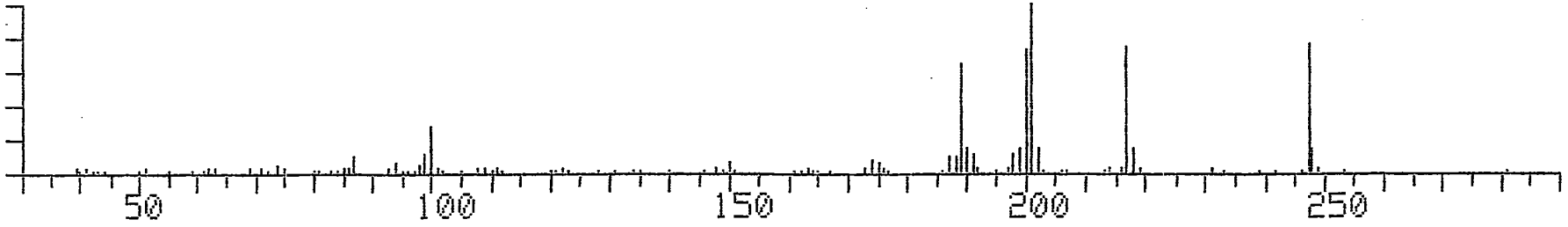
EQK01 EXTR03

TIC = 29807

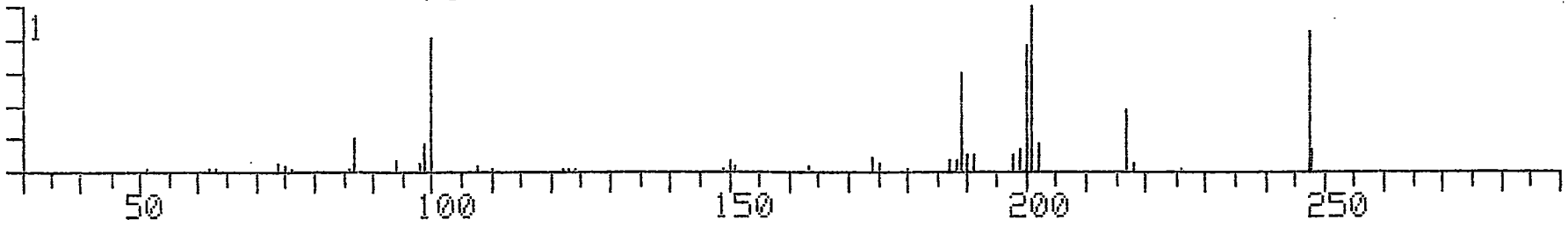
100% = 4270

UNKNOWN

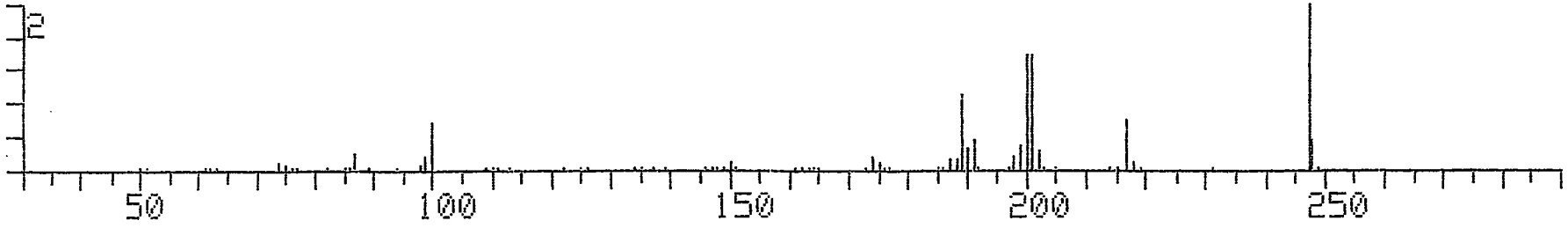
SCANS: 2590-2590 BKG * 1.00 2581

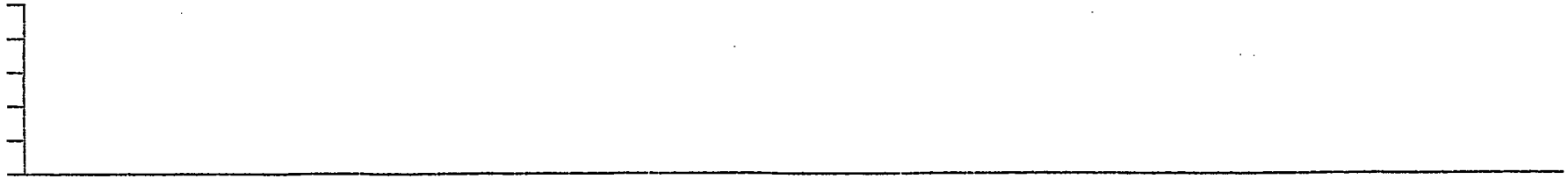


C16H9NO2 247 1-Nitropyrene Fit 0.776 SP#/CAS# 28230/5522-43-0



C16H9NO2 247 3-NITROFLUORANTHENE Fit 0.742 SP#/CAS# 28228/





000285

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2696
Background Scans * 1.00 2686
Retention time: 23.17 min.
Date: 08-MAY-92 Time: 16:20:59

UNKNOWN

Forward Search

Rank 1 Spectrum 50471
C.A.S 55821-18-6
Fit 0.243
C24H49NO5Si2 487 Cyclopentanepropanoic acid, 2-[3-(methoxyimino)octyl]-3,5-bis[(trimethylsilyl)oxy]-, methyl ester, [1R-(1.alpha.,2.beta.,3.alpha.,5.alpha.)]-

Rank 2 Spectrum 37652
C.A.S 54964-80-6
Fit 0.200
C21H14N2O 310 2H-Inden-2-one, 3-diazo-1,3-dihydro-1,1-diphenyl-

Rank 3 Spectrum 29267
C.A.S 396-01-0
Fit 0.197
C12H11N7 253 Triamterene

Rank 4 Spectrum 29570
C.A.S 95676-42-9
Fit 0.182
C20H14 254 4,5-Dihydrobenzo[E]pyrene

Rank 5 Spectrum 29287
C.A.S 98805-10-8
Fit 0.170
C14H11N3O2 253 3,6-Bis(N-formamido)carbazole

Rank 6 Spectrum 29572
C.A.S 1836-87-9
Fit 0.163
C20H14 254 9H-Fluorene, 9-(phenylmethylene)-

Rank 7 Spectrum 29578
C.A.S 72088-04-1
Fit 0.163
C20H14 254 1H-Indene, 1,1'-(1,2-ethanediylidene)bis-

Rank 8 Spectrum 31730
C.A.S 6407-55-2
Fit 0.157
C16H12O4 268 9,10-Anthracenedione, 1,8-dimethoxy-

Rank 9 Spectrum 51854
C.A.S 56085-37-1
Fit 0.157
C31H48O8 548 Cholan-24-oic acid, 3,7,12-tris(acetyloxy)-, methyl ester, (3.alpha.,7.alpha.,12.alpha.)-

Rank 10 Spectrum 42643
C.A.S 25649-73-4
Fit 0.152
C23H17ClN2 356 4H-1,2-Diazepine, 5-(4-chlorophenyl)-3,7-diphenyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

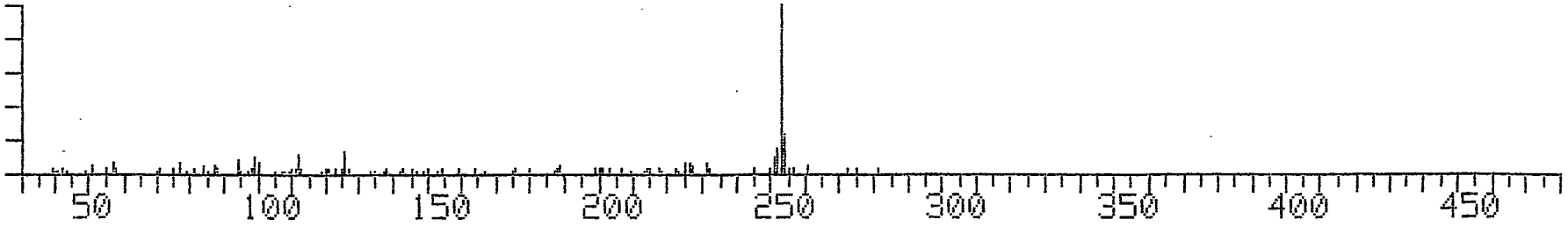
EQK01 EXTR03

TIC = 6398

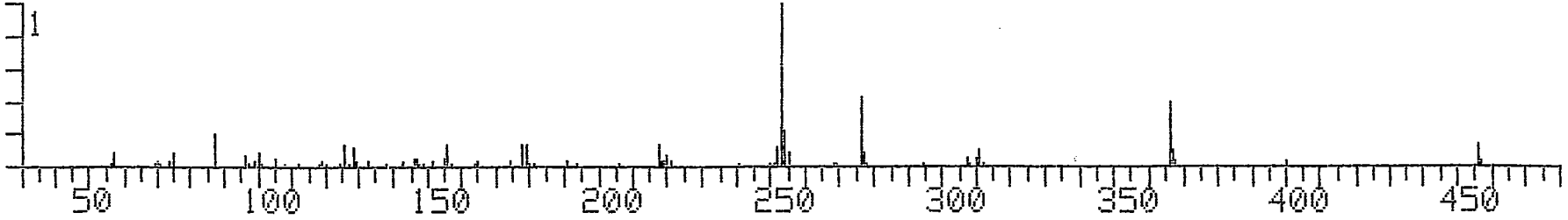
100% = 1638

UNKNOWN

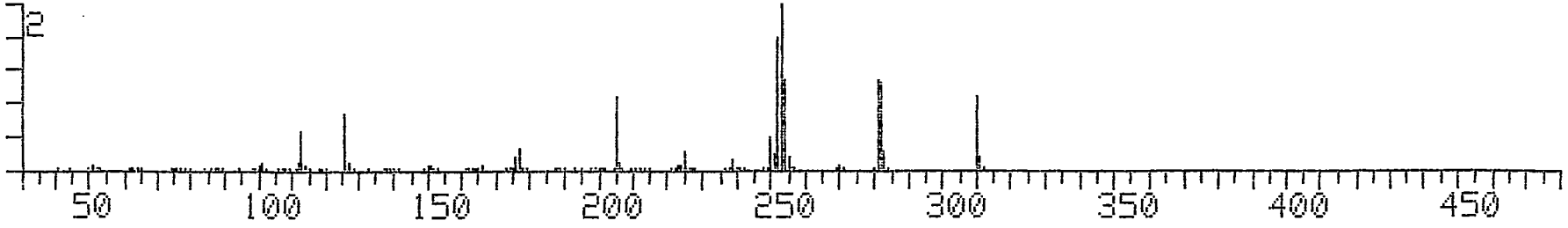
SCANS: 2696-2696 BKG * 1.00 2686



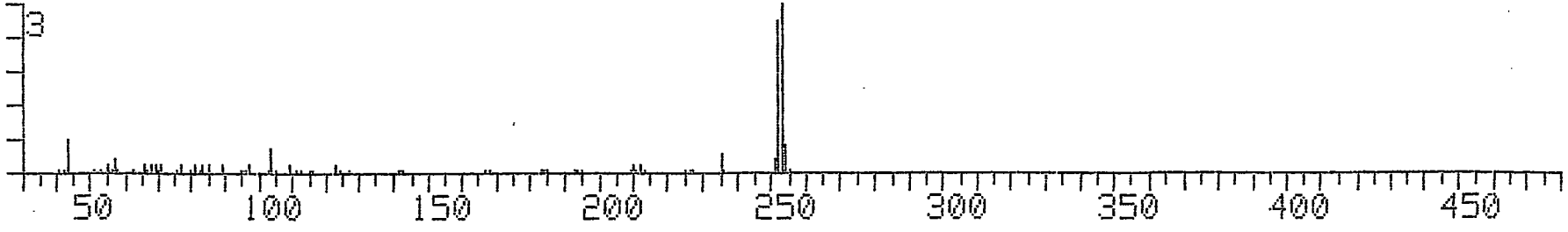
C24H49NO5Si2 487 Cyclopentanepropan Fit 0.243 SP#/CAS# 50471/55821-18-6



C21H14N2O 310 2H-Inden-2-one, 3-dia Fit 0.200 SP#/CAS# 37652/54964-80-6



C12H11N7 253 Triamterene Fit 0.197 SP#/CAS# 29267/396-01-0



000287

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 2781
Background Scans * 1.00 2777
Retention time: 23.83 min.
Date: 08-MAY-92 Time: 16:20:59

UNKNOWN

Forward Search

Rank 1 Spectrum 34470
C.A.S -0
Fit 0.255
C20H14O2 286 4,5-DIHYDRO-4,5-DIHYDROXYBENZPYRENE

Rank 2 Spectrum 31822
C.A.S -0
Fit 0.239
C20H12O 268 4,5-DIHYDRO-4,5-EPOXYBENZPYRENE

Rank 3 Spectrum 31828
C.A.S 56-49-5
Fit 0.228
C21H16 268 3-Methylcholanthrene

Rank 4 Spectrum 41153
C.A.S --0
Fit 0.211
C21H27NO3 341 ESTRONE-3-ACETATE-17-METHYLOXIME

Rank 5 Spectrum 34443
C.A.S 6199-65-1
Fit 0.180
C18H22O3 286 Estra-1,3,5(10)-trien-16-one, 3,17-dihydroxy-, (17.alpha.
)-

Rank 6 Spectrum 31827
C.A.S 611-48-3
Fit 0.179
C21H16 268 Naphthalene, 1-(2-naphthalenylmethyl)-

Rank 7 Spectrum 41723
C.A.S 2670-52-2
Fit 0.179
C17H18BrNO2 347 Hasubanan-3-ol, 6-bromo-7,8-didehydro-4,5-epoxy-17-met
hyl-, (5.alpha.,6.beta.,13.beta.,14.beta.)-

Rank 8 Spectrum 31760
C.A.S 2825-08-3
Fit 0.176
C17H20N2O 268 Dasycarpidan-1-one

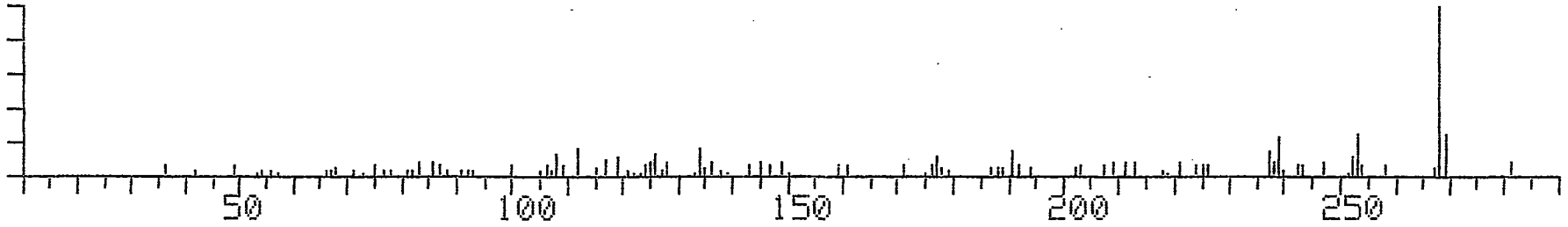
Rank 9 Spectrum 36219
C.A.S 3342-64-1
Fit 0.173
C19H25NO2 299 Estra-1,3,5(10)-trien-17-one, 3-hydroxy-, O-methyloxime

Rank 10 Spectrum 31728
C.A.S 520-28-5
Fit 0.170
C16H12O4 268 4H-1-Benzopyran-4-one, 5-hydroxy-7-methoxy-2-phenyl-

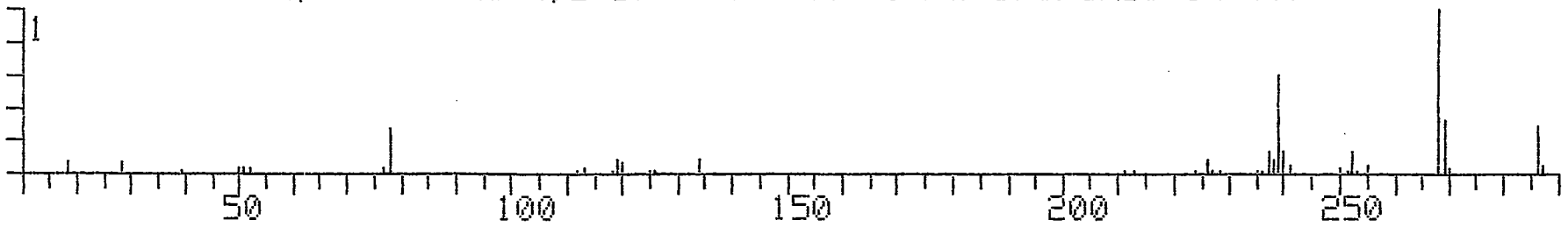
NISTEPA Forward Library Search TIC = 5108
Injection Date: 08-MAY-92 Time: 16:20:59 100% = 769
Filename: SY0:EQK01R
Comments:
EQK01 EXTR03

UNKNOWN

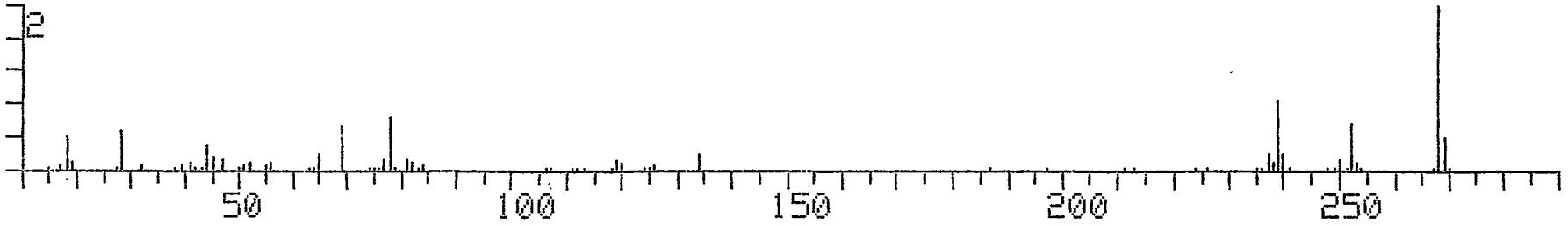
SCANS: 2781-2781 BKG * 1.00 2777



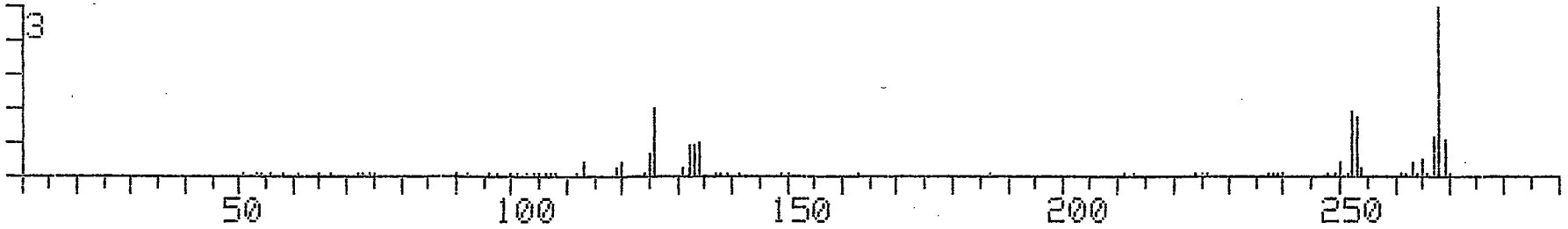
C20H1402 286 4,5-DIHYDRO-4,5-DIHYDR Fit 0.255 SP#/CAS# 34470/



C20H120 268 4,5-DIHYDRO-4,5-EPOXYBE Fit 0.239 SP#/CAS# 31822/



C21H16 268 3-Methylcholanthrene Fit 0.228 SP#/CAS# 31828/56-49-5



000289

NISTEPA Library Search

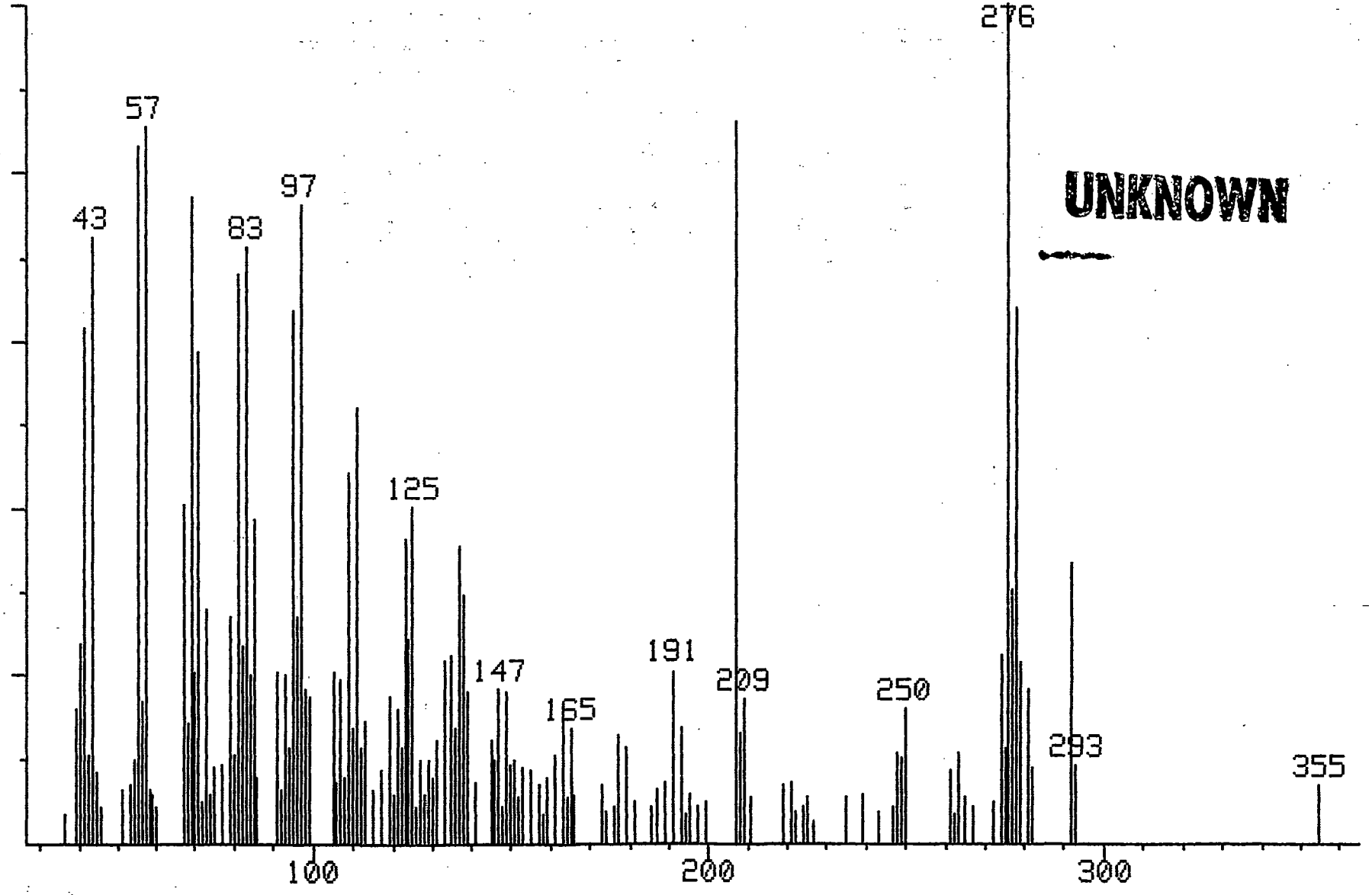
File name: DUO:[301,4]EQK01R
Comments: EQK01 EXTR03
Scan Number: 3033
Retention time: 25.82 min.
Date: 08-MAY-92 Time: 16:20:59

Forward Search

UNKNOWN

No further entries found in library for this spectrum

DU0:[301,4]EQK01R, EQK01 EXTR03, 08-MAY-92, 16:20:59
Q1 Mss: 26.0-365.0, Sn: 3033, Max: 795, ART: 25.8



UNKNOWN

000291

Box number 1 Scans available 1-3184

NISTEPA Library Search

File name: SYO:EQK01R
Comments: EQK01 EXTR03
Scan Number: 3089
Background Scans * 1.00 3084
Retention time: 26.25 min.
Date: 08-MAY-92 Time: 16:20:59

UNKNOWN POLYAROMATIC HYDROCARBON

Forward Search

Rank 1 Spectrum 33323
C.A.S 53-70-3
Fit 0.268
C22H14 278 Dibenz[a,h]anthracene

Rank 2 Spectrum 33319
C.A.S 215-58-7
Fit 0.234
C22H14 278 Benzo[b]triphenylene

Rank 3 Spectrum 33322
C.A.S 214-17-5
Fit 0.221
C22H14 278 Benzo[b]chrysene

Rank 4 Spectrum 33286
C.A.S 56614-59-6
Fit 0.199
C19H18O2 278 17H-Cyclopenta[a]phenanthren-17-one, 11,12,13,16-tetrahydro-3-methoxy-13-methyl-, (S)-

Rank 5 Spectrum 33288
C.A.S 56588-53-5
Fit 0.189
C19H18O2 278 Estra-1,3,5,7,9,15-hexaen-17-one, 3-methoxy-

Rank 6 Spectrum 33134
C.A.S 23774-10-9
Fit 0.179
C12H7ClN2O4 278 1,2,3,4-Phenazinetetrol, 7-chloro-

Rank 7 Spectrum 33289
C.A.S 24964-01-0
Fit 0.165
C19H18S 278 Benzo[b]naphtho[2,3-d]thiophene, 9,10-dihydro-6,7,8-trimethyl-

Rank 8 Spectrum 42215
C.A.S 3306-52-3
Fit 0.141
C20H16O6 352 Viridin

Rank 9 Spectrum 33317
C.A.S -0
Fit 0.138
C22H14 278 BENZO[A]NAPHTHACENE

Rank 10 Spectrum 33318
C.A.S -0
Fit 0.137
C22H14 278 DIBENZ[A,J]ANTHRACENE

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:20:59

Filename: SY0:EQK01R

Comments:

EQK01 EXTR03

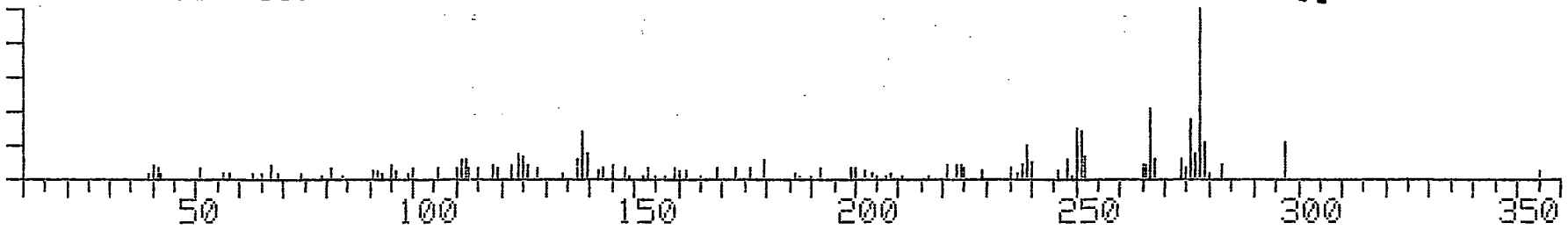
TIC = 6918

100% = 840

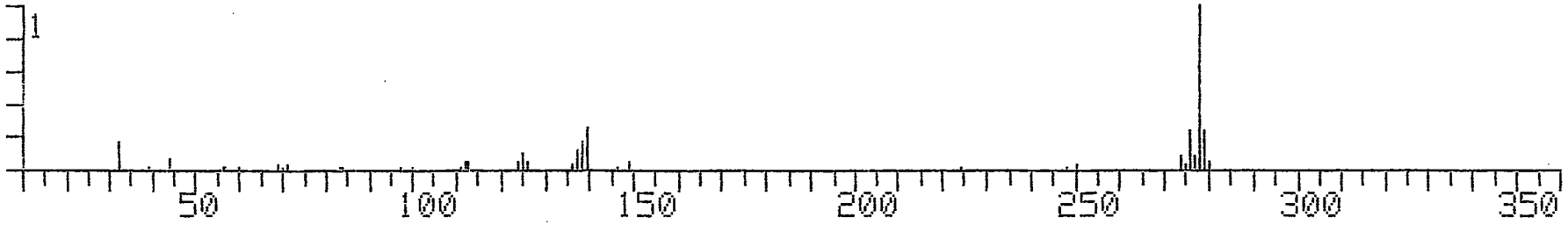
UNKNOWN POLYAROMATIC HYDROCARBON

000293

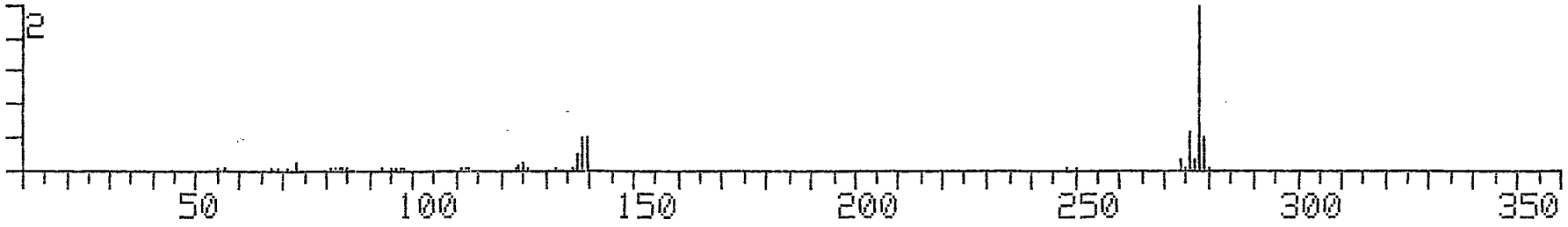
SCANS: 3089-3089 BKG * 1.00 3084



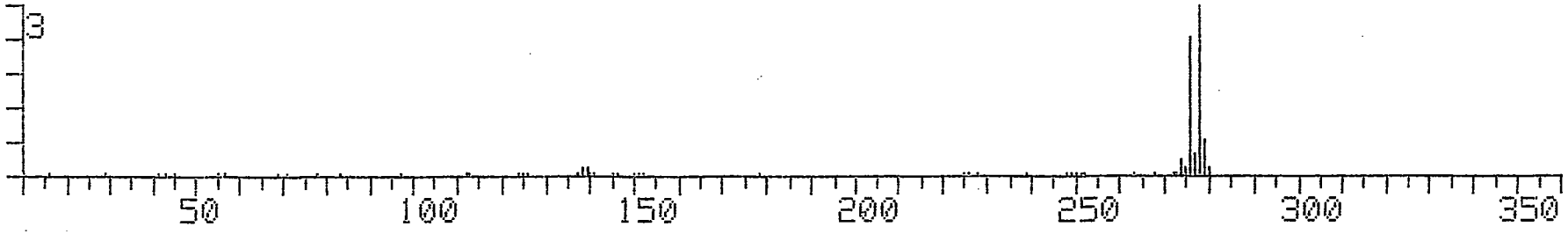
C22H14 278 Dibenz[a,h]anthracene Fit 0.268 SP#/CAS# 33323/53-70-3



C22H14 278 Benzo[b]triphenylene Fit 0.234 SP#/CAS# 33319/215-58-7



C22H14 278 Benzo[b]chrysene Fit 0.221 SP#/CAS# 33322/214-17-5



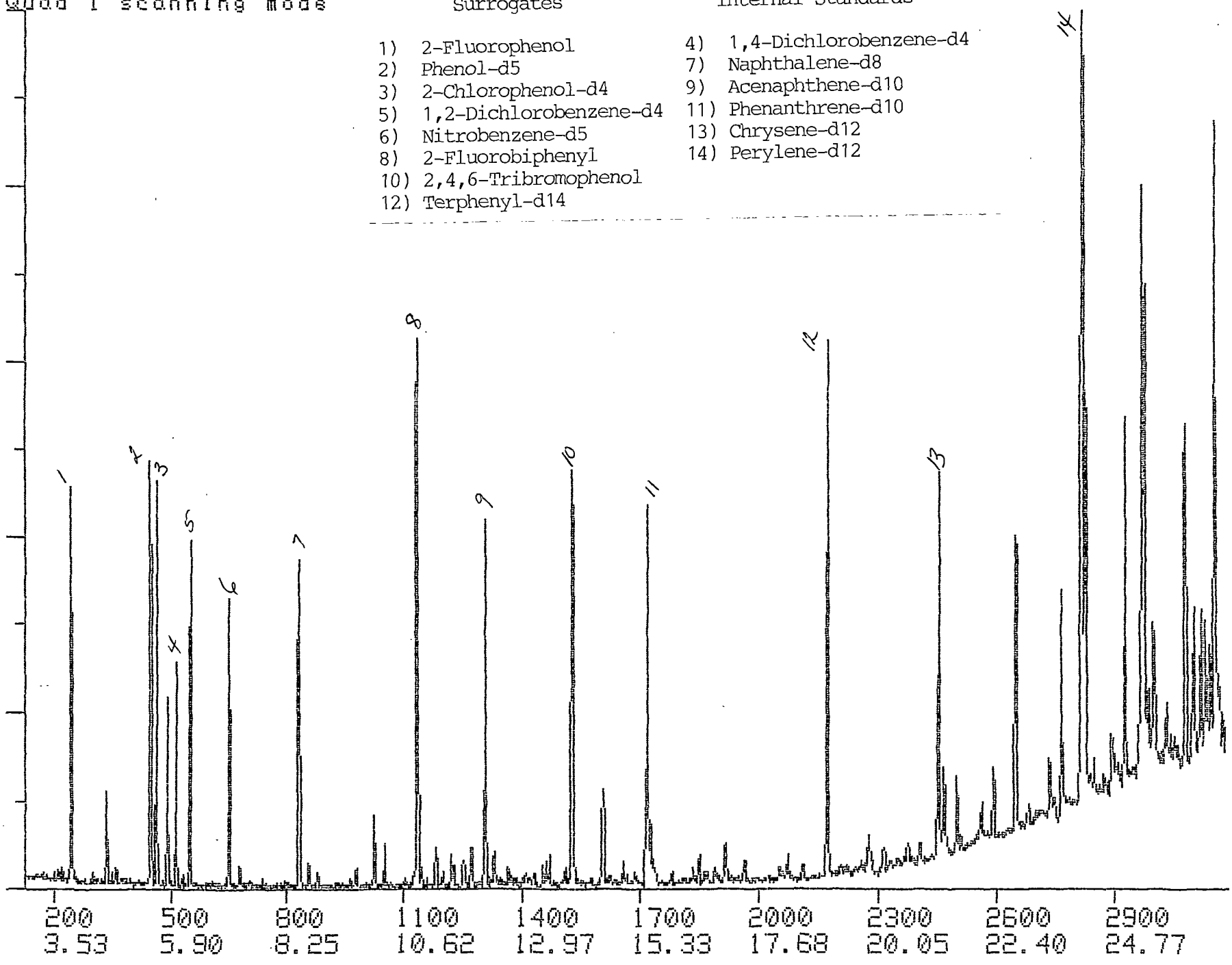
SY0:EQK02 EQK02 EXTR03 100%
08-MAY-92 17:31:31 154590
Total Ion Current
Quad 1 scanning mode

Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12



000297

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS OK
EXTREL3 OP=)4	INITIAL AMT. = 30g	SURR REC.'S OK
DUO:[301,4]	EXT VOL. = .5mL	DILUTION= 5J

Library used: SYO:CLP90
Data file name: SYO:EQK02
Injection time: 08-MAY-92 17:31:31
Comments:
EQK02 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

EXTREL 3

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

EXTREL 3

1S	6.03	517					STD	0.96	40.0	NG
2S	8.52	833					STD	1.00	40.0	NG
3S	12.25	1308					STD	1.00	40.0	NG
4S	15.47	1717					STD	0.96	40.0	NG
5S	21.27	2455					STD	0.88	40.0	NG
6S	24.17	2824					STD	1.00	40.0	NG
1T	Was Not Found									
2T	Was Not Found									
3T	Was Not Found									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	Was Not Found									
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
19T	8.55	838	128. / 136.		5919. /	104184.	2	1.00	2.5	NG
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found									
23T	10.03	1026	142. / 136.		9003. /	104184.	2	1.00	5.5	NG
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	Was Not Found									
32T	Was Not Found									
33T	Was Not Found									
34T	Was Not Found									
35T	Was Not Found									
36T	12.70	1365	168. / 164.		4273. /	63641.	3	0.81	1.9	NG
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	15.50	1722	178. / 188.		16750. /	120517.	4	0.96	6.6	NG
~~48T~~	~~15.50~~	~~1722~~	~~178. / 188.~~		~~16750. /~~	~~120517.~~	~~4~~	~~0.92~~	~~6.6~~	~~NG~~
49T	Was Not Found									
50T	17.00	1912	149. / 188.		5484. /	120517.	4	0.77	2.0	NG

000300

TH 6/3/97

EXTREL 3

18.10 2053 3059 / 120517 1.2

51T	Is Below Specified Detection Limit								
52T	18.58	2113	202. / 240.	3730. /	108791.	5	0.94	1.2	NG
53T	Was Not Found								
54T	Was Not Found								
55T	~~21.32~~	~~2461~~ 2053	~~228. / 240.~~ 2072	~~2805. /~~	~~108791.~~	~~5~~	~~0.94~~	~~1.0~~	~~NG~~ GDL
56T	21.32	2461	228. / 240.	2805. /	108791.	5	0.67	1.1	NG
57T	21.62	2499	149. / 240.	17187. /	108791.	5	0.73	9.6	NG
58T	Was Not Found								
59T	~~23.45~~	~~2732~~	~~252. / 264.~~ 2849	~~3622. /~~	~~112426.~~	~~6~~	~~0.92~~	~~1.1~~	~~NG~~
60T	~~23.45~~	~~2732~~	~~252. / 264.~~	~~3622. /~~	~~112426.~~	~~6~~	~~0.75~~	~~1.5~~	~~NG~~
61T	~~23.95~~	~~2797~~	~~252. / 264.~~	~~2066. /~~	~~112426.~~	~~6~~	~~0.62~~	~~0.8~~	~~NG~~
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	7.10	653	82. / 136.	62277. /	104184.	2	1.00	75.8	NG
66T	10.88	1134	172. / 164.	128916. /	63641.	3	1.00	78.3	NG
67T	19.07	2176	244. / 240.	160097. /	108791.	5	1.00	81.4	NG
68T	5.50	449	99. / 152.	101920. /	23070.	1	0.81	99.5	NG
69T	3.88	244	112. / 152.	73215. /	23070.	1	0.96	95.6	NG
70T	13.97	1527	330. / 164.	33456. /	63641.	3	1.00	174.1	NG
71T	5.62	465	132. / 152.	74116. /	23070.	1	0.83	111.9	NG
72T	6.30	552	152. / 152.	33474. /	23070.	1	0.92	68.6	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	~~11.07~~	~~1158~~	~~154. / 164.~~	~~1341. /~~	~~63641.~~	~~3~~	~~0.80~~	~~246.2~~	~~NG~~
80T	Was Not Found								
81T	6.03	517	152. / 152.	23070. /	23070.	1	0.96	50.0	NG
82T	8.52	833	136. / 136.	104184. /	104184.	2	1.00	50.0	NG
83T	12.25	1308	164. / 164.	63641. /	63641.	3	0.90	50.0	NG
84T	15.47	1717	188. / 188.	120517. /	120517.	4	0.96	50.0	NG
85T	21.27	2455	240. / 240.	108791. /	108791.	5	0.88	50.0	NG
86T	24.17	2824	264. / 264.	112426. /	112426.	6	1.00	50.0	NG

Crosscounts
5/15/92 JS

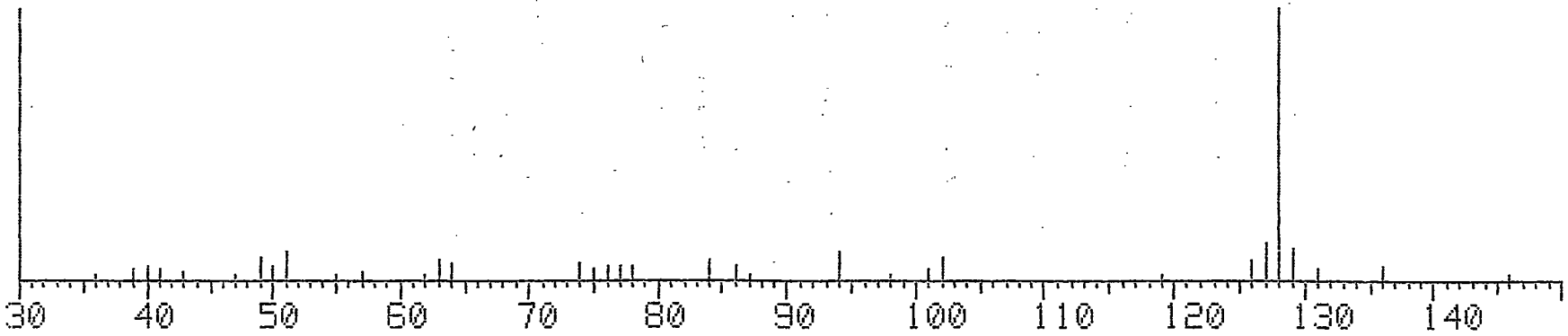
Extended Quantitation Report

EXTREL 3

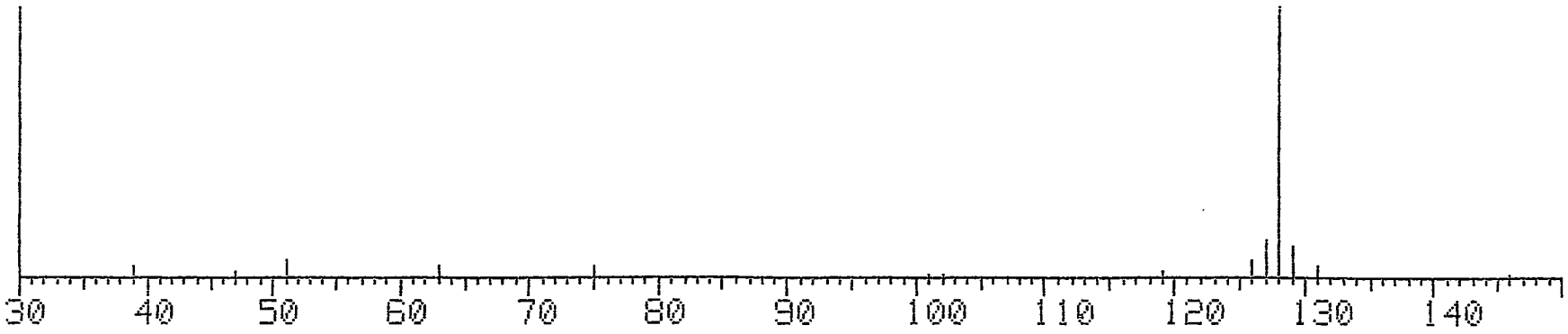
Library used: SYO:CLP90
Data file name: SYO:EQK02
Injection time: 08-MAY-92 17:31:31

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
19T	1.004	128. / 136.	0.915	2.5	IA BB RF			1.00
23T	1.177	142. / 136.	0.633	5.5	IA BV RF			1.00
36T	1.037	168. / 164.	1.388	1.9	IA VB RF			1.00
47T	1.002	178. / 188.	0.838	6.6	IA BV RF			1.00
48T	1.002	178. / 188.	0.844	6.6	IA BV RF			1.00
50T	1.099	149. / 188.	0.923	2.0	IA BB RF			1.00
52T	0.874	202. / 240.	1.177	1.2	IA VV RF			1.00
55T	1.002	228. / 240.	1.077	1.0	IA VB RF			1.00
56T	1.002	228. / 240.	0.923	1.1	IA VB RF			1.00
57T	1.016	149. / 240.	0.656	9.6	IA VV RF			1.00
59T	0.970	252. / 264.	1.148	1.1	IA BV RF			1.00
60T	0.970	252. / 264.	0.855	1.5	IA BV RF			1.00
61T	0.991	252. / 264.	0.951	0.8	IA VV RF			1.00
65T	0.833	82. / 136.	0.315	75.8	IA BV RF			1.00
66T	0.888	172. / 164.	1.035	78.3	IA BB RF			1.00
67T	0.897	244. / 240.	0.723	81.4	IA BV RF			1.00
68T	0.912	99. / 152.	1.776	99.5	IA BV RF			1.00
69T	0.643	112. / 152.	1.328	95.6	IA BB RF			1.00
70T	1.140	330. / 164.	0.121	174.1	IA BB RF			1.00
71T	0.932	132. / 152.	1.149	111.9	IA BB RF			1.00
72T	1.045	152. / 152.	0.846	68.6	IA VB RF			1.00
79T	0.904	154. / 164.	0.005	246.2	IA BV RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA VV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF			1.00

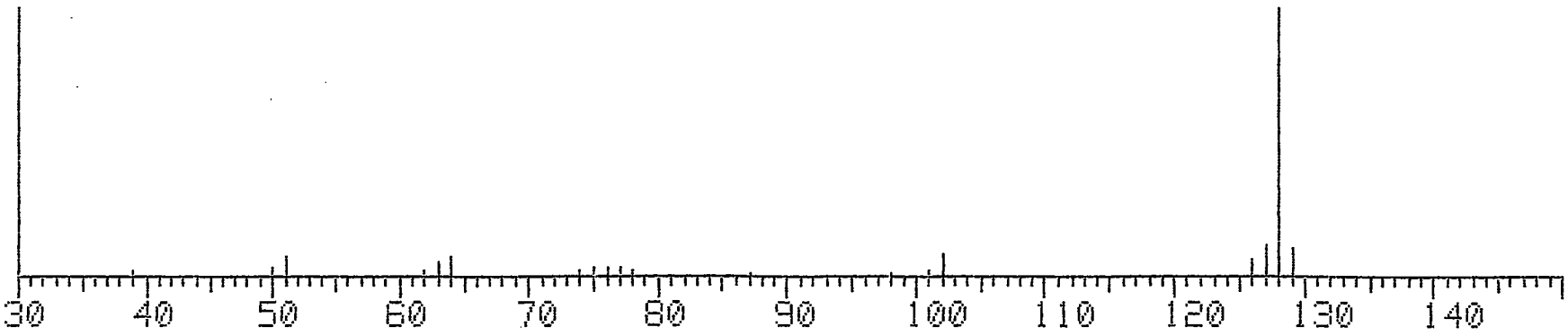
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 838 Time 8.55 min. 4912
100 % = 1793



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 838 Time 8.55 min. 2879
Bkg scan = 833 100 % = 1793

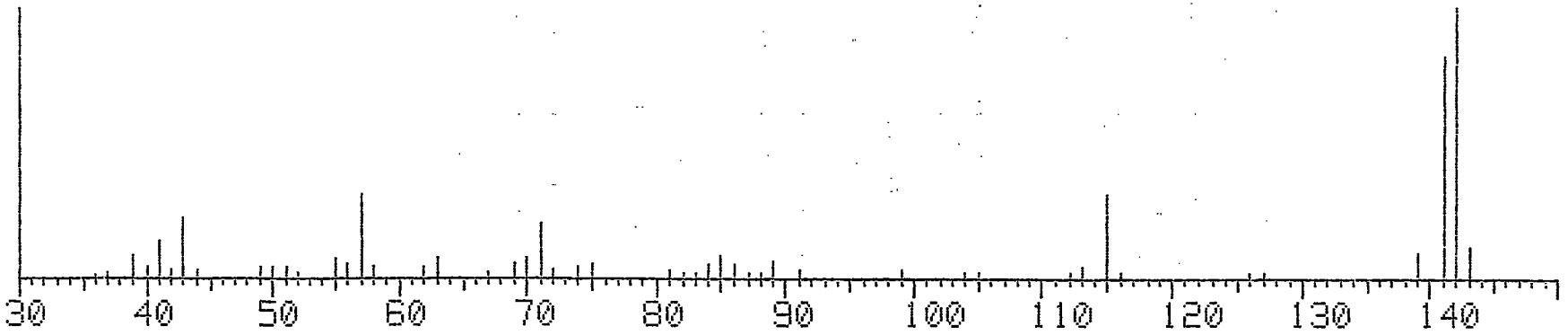


Standard Reference Spectrum: Naphthalene

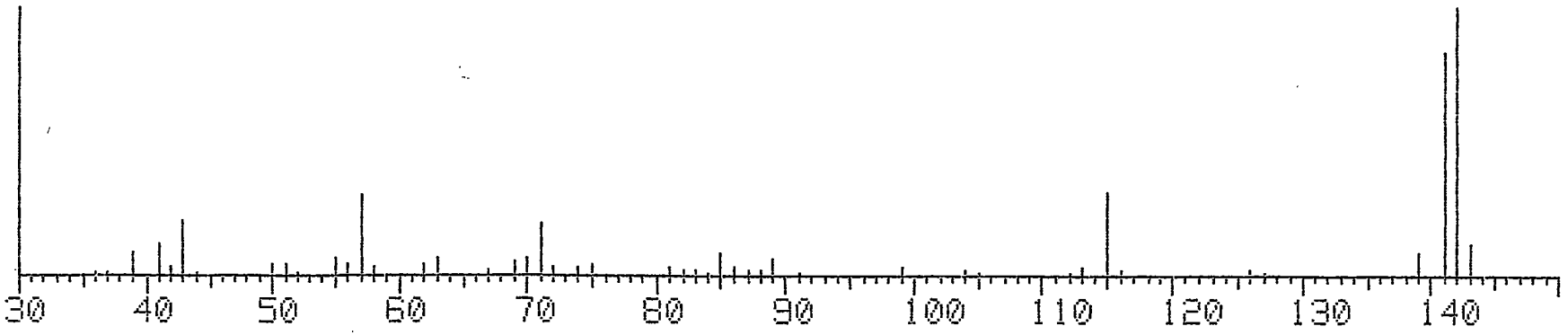


000303

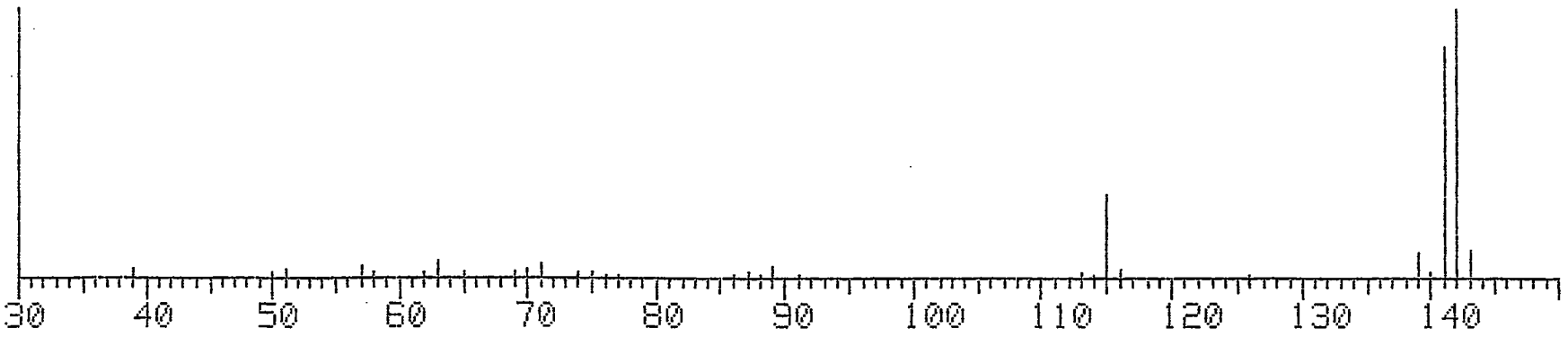
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1026 Time 10.03 min. 11231
100 % = 2433



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1026 Time 10.03 min. 10497
Bkg scan = 1020 100 % = 2433

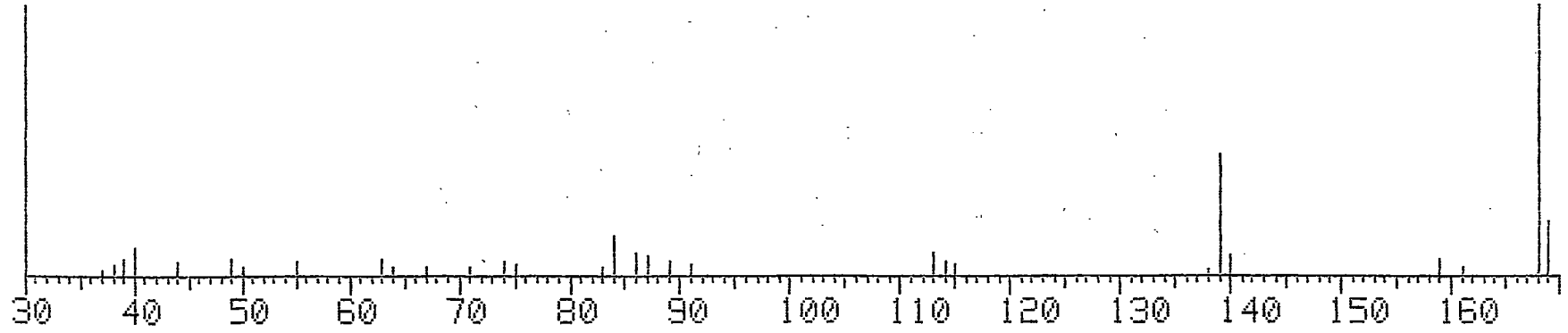


Standard Reference Spectrum: 2-Methylnaphthalene

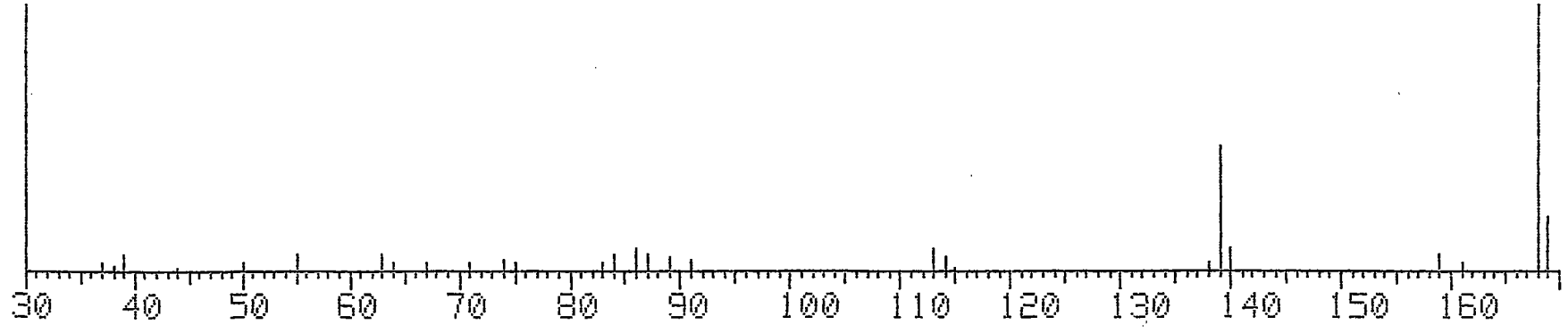


000304

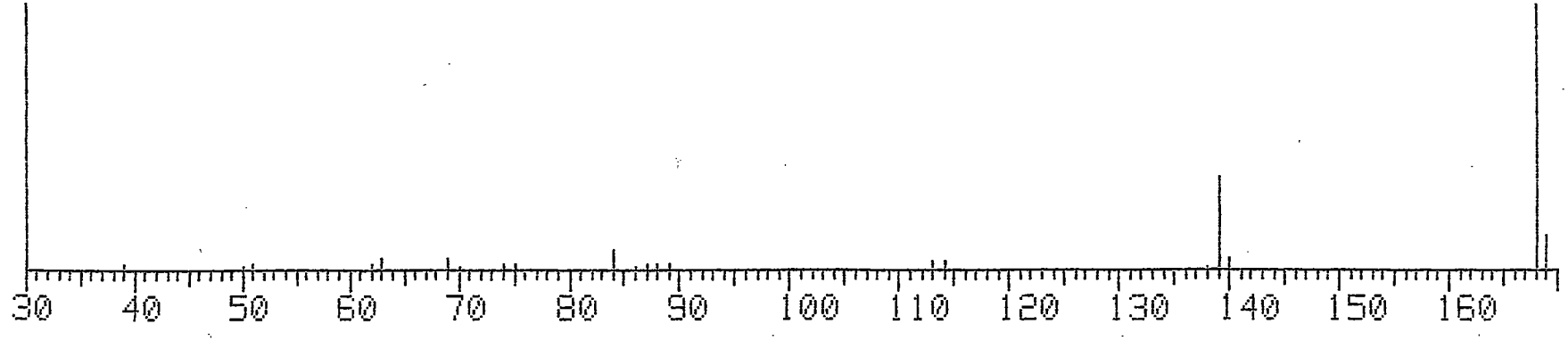
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1365 Time 12.70 min. 3622
100 % = 1142



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1365 Time 12.70 min. 3178
Bkg scan = 1359 100 % = 1142

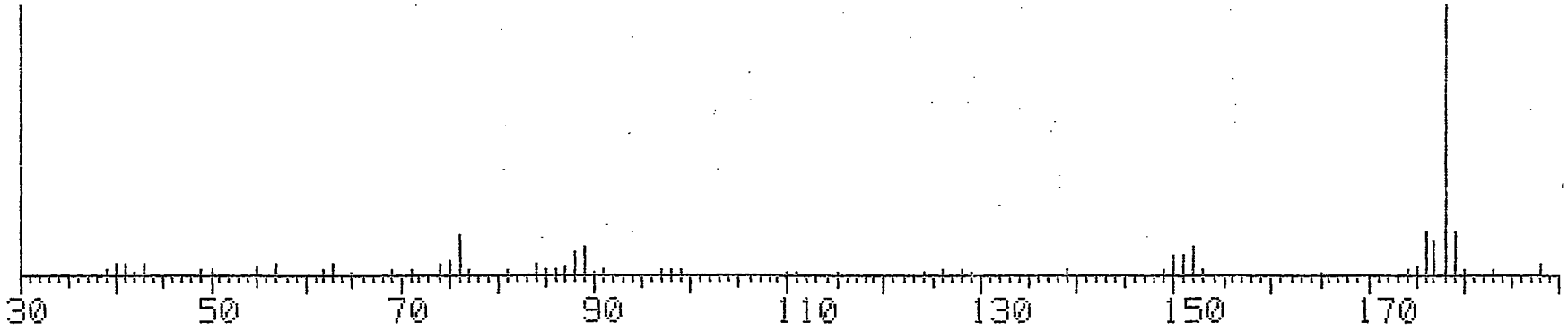


Standard Reference Spectrum: Dibenzofuran

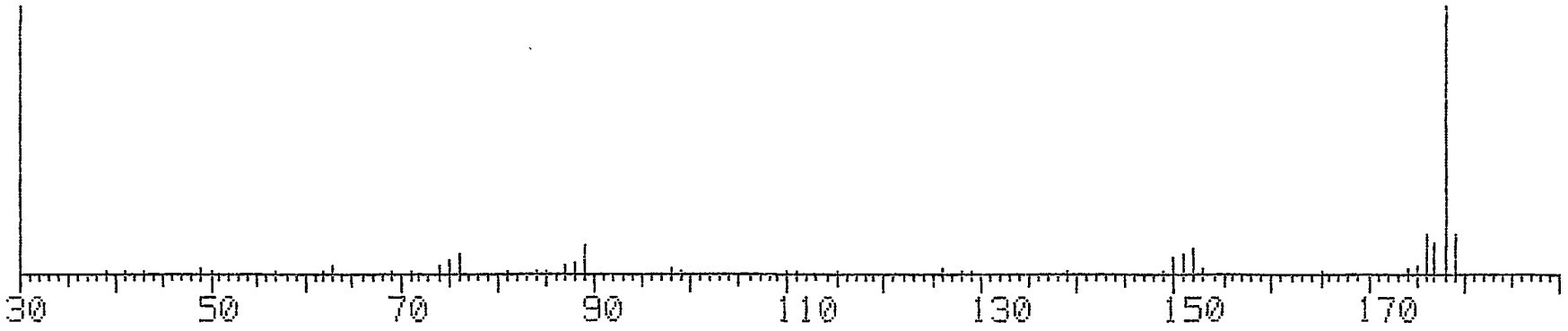


000305

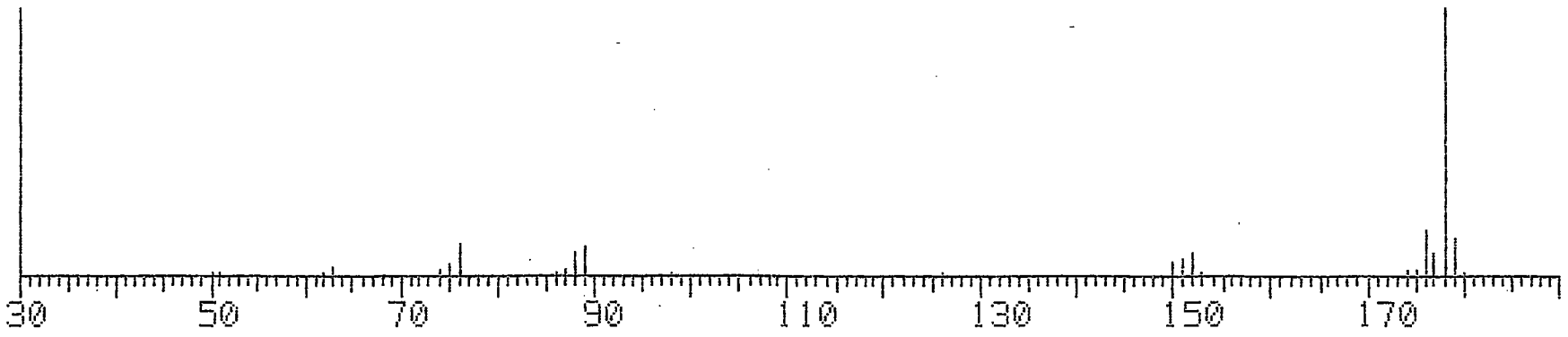
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1722 Time 15.50 min. 11096
100 % = 3921



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1722 Time 15.50 min. 9246
Bkg scan = 1714 100 % = 3921

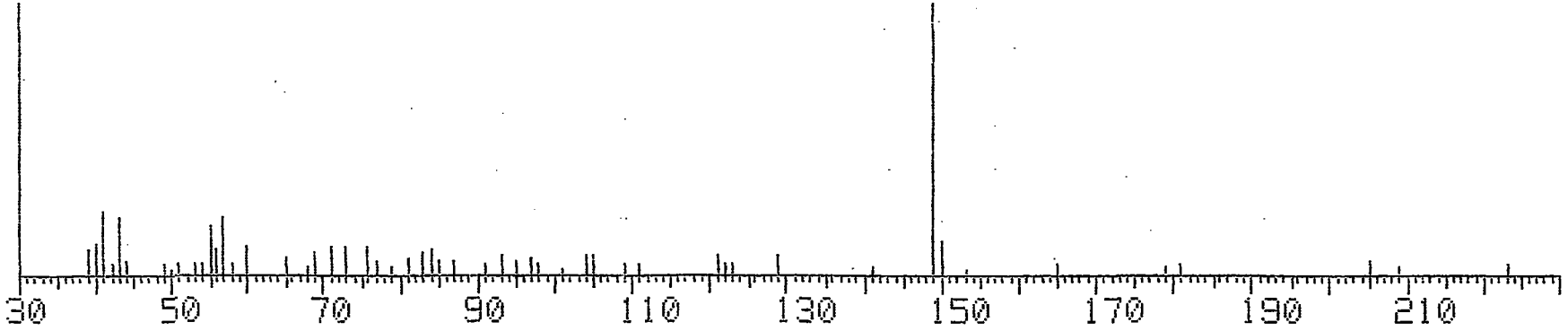


Standard Reference Spectrum: Phenanthrene

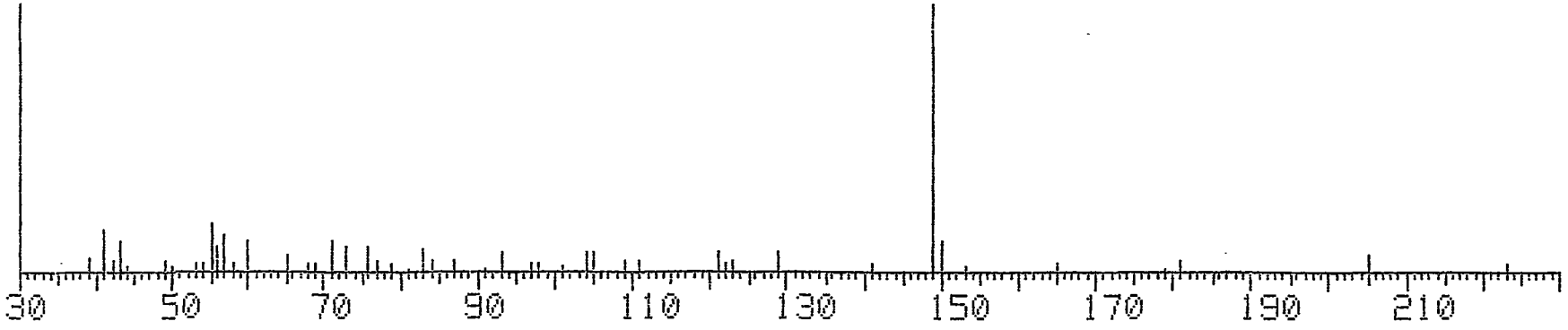


000306

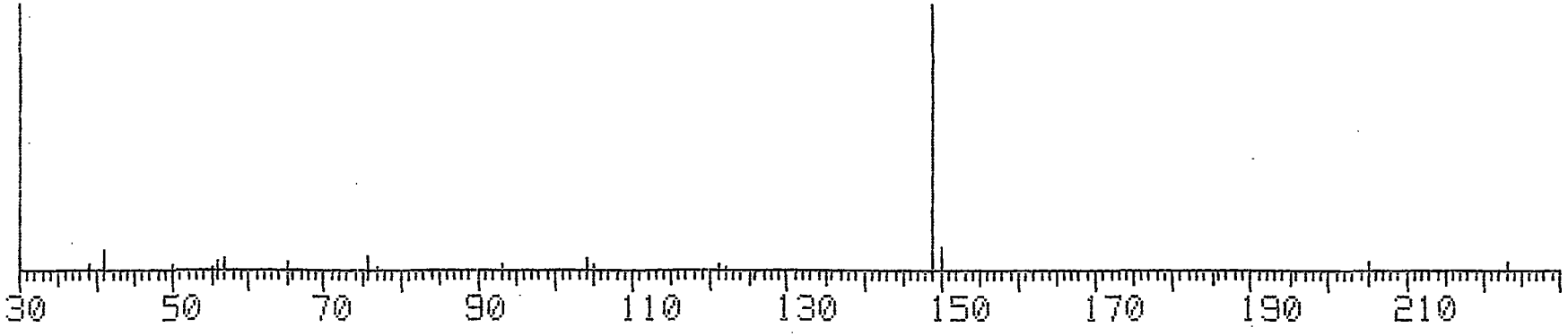
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1912 Time 17.00 min. 5536
100 % = 1198



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 1912 Time 17.00 min. 4457
Bkg scan = 1905 100 % = 1198

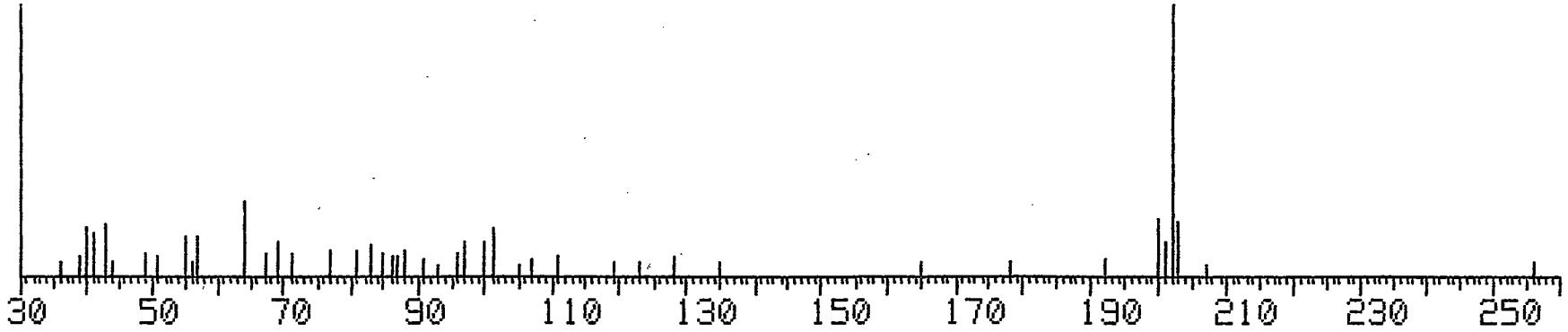


Standard Reference Spectrum: Di-n-butylphthalate

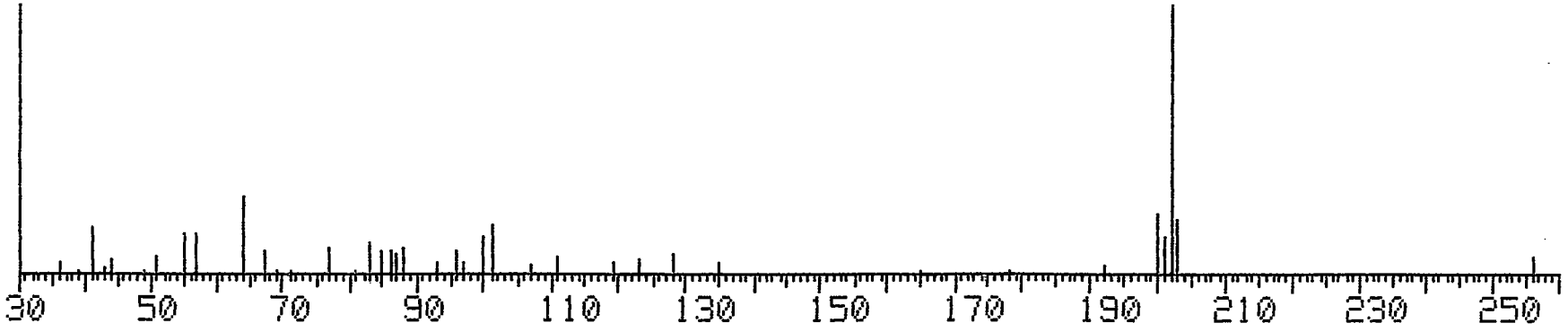


000307

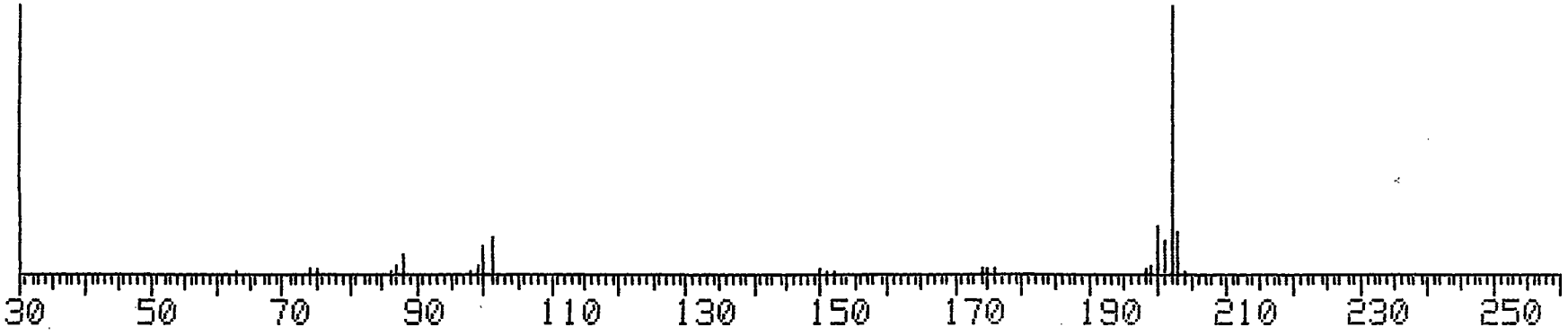
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2053 Time 18.10 min. 3609
100 % = 685



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2053 Time 18.10 min. 2767
Bkg scan = 2018 100 % = 685

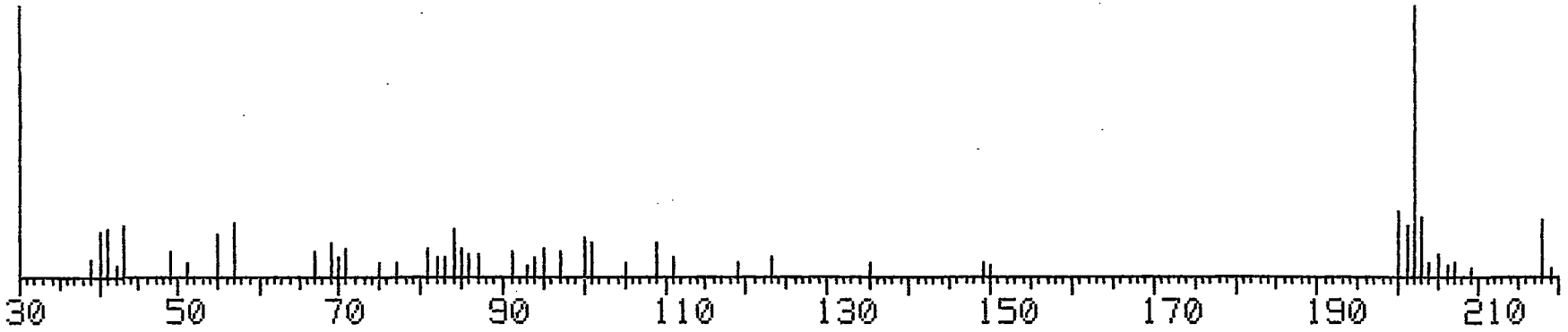


Standard Reference Spectrum: Fluoranthene

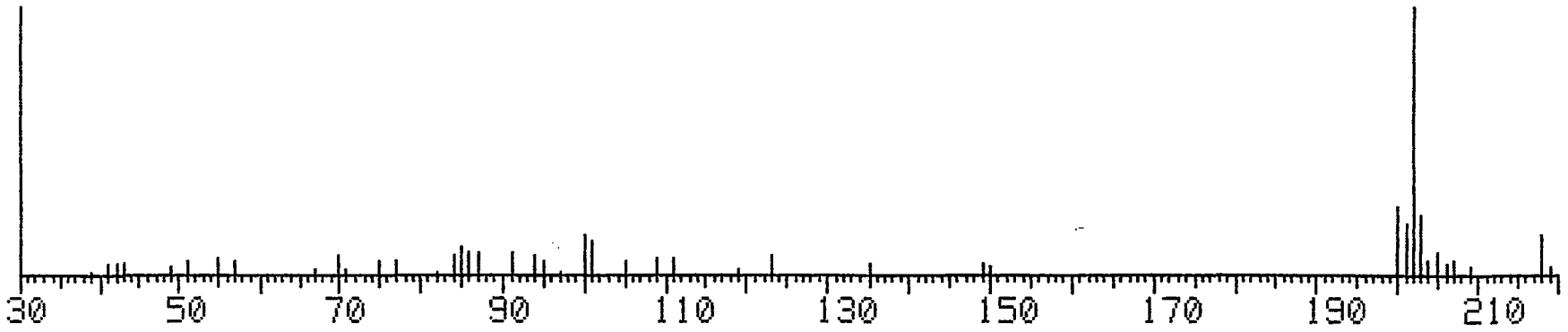


000308

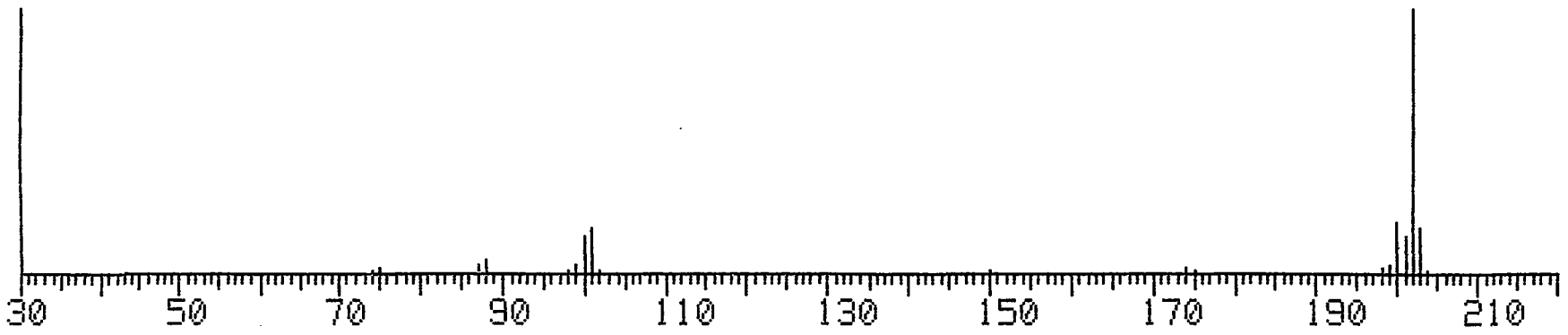
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2113 Time 18.58 min. 4373
100 % = 763



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2113 Time 18.58 min. 3009
Bkg scan = 2103 100 % = 763

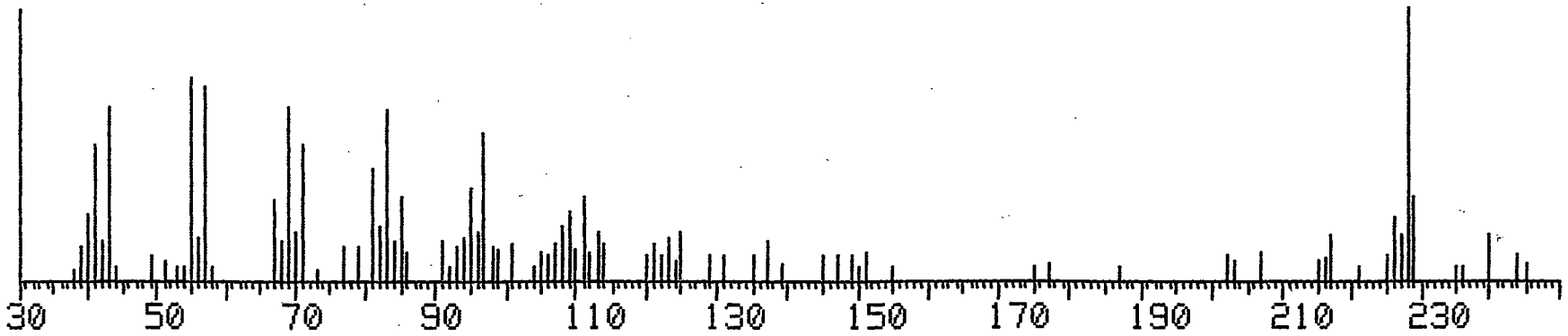


Standard Reference Spectrum: Pyrene

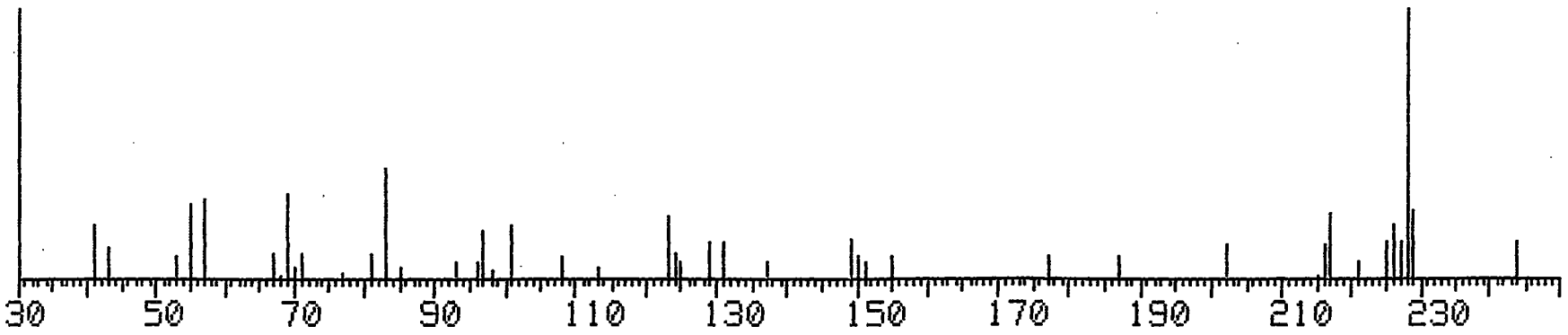


000309

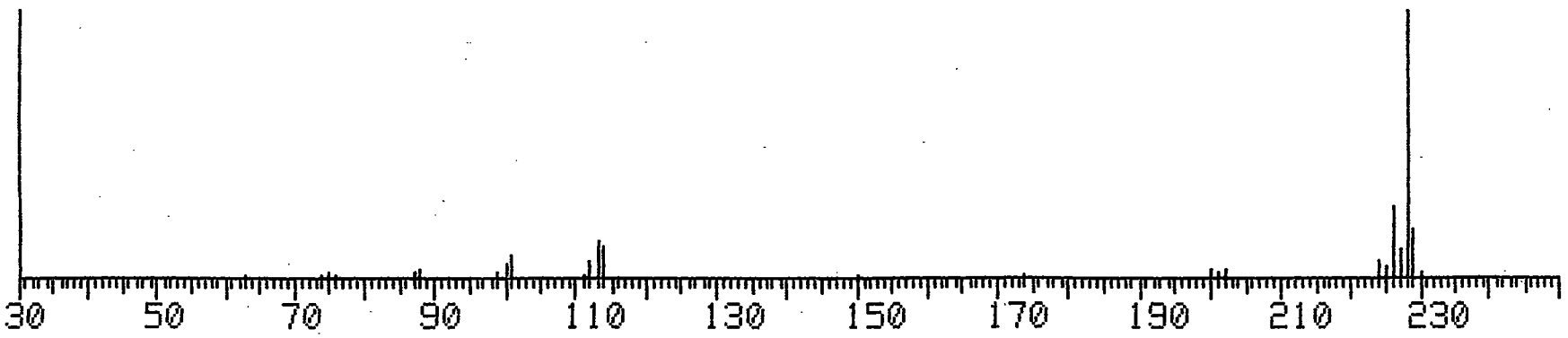
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2461 Time 21.32 min. 9503
100 % = 399



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2461 Time 21.32 min. 2586
Bkg scan = 2456 100 % = 399

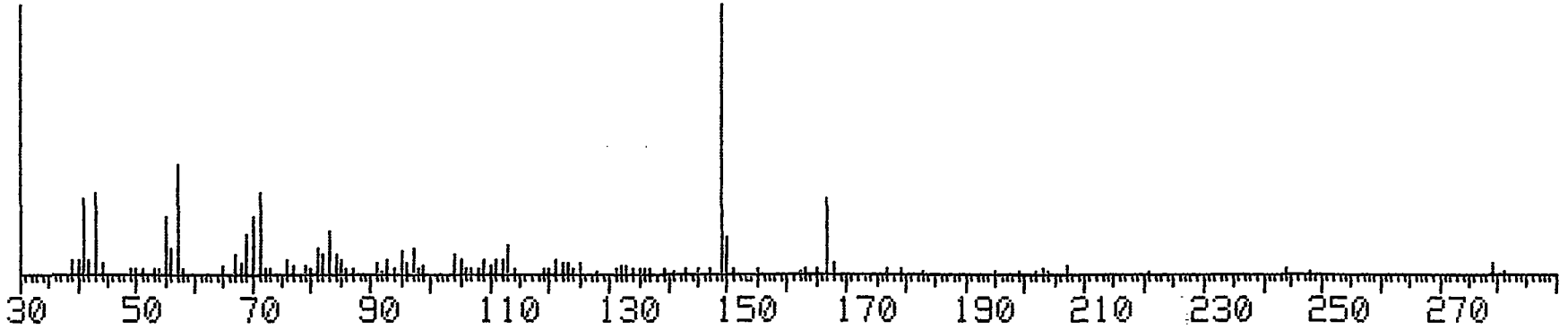


Standard Reference Spectrum: Chrysene

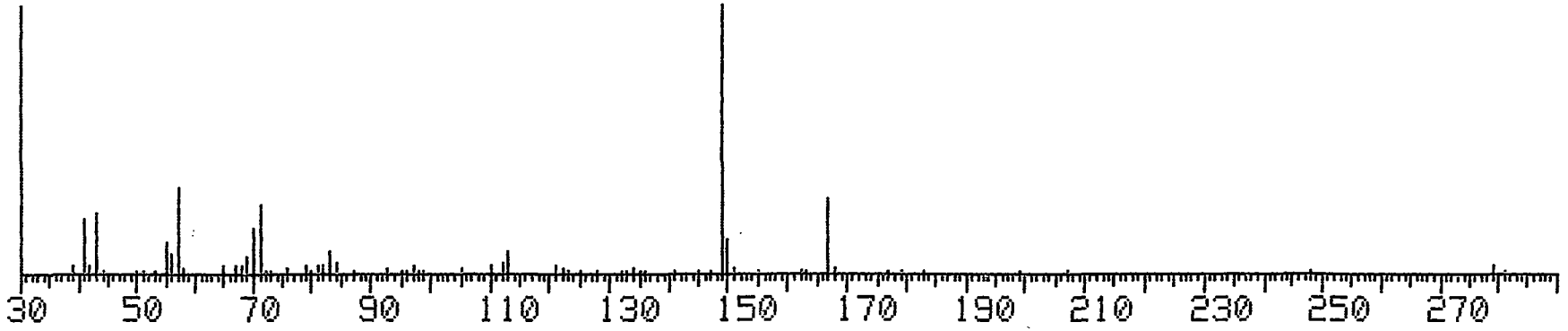


000310

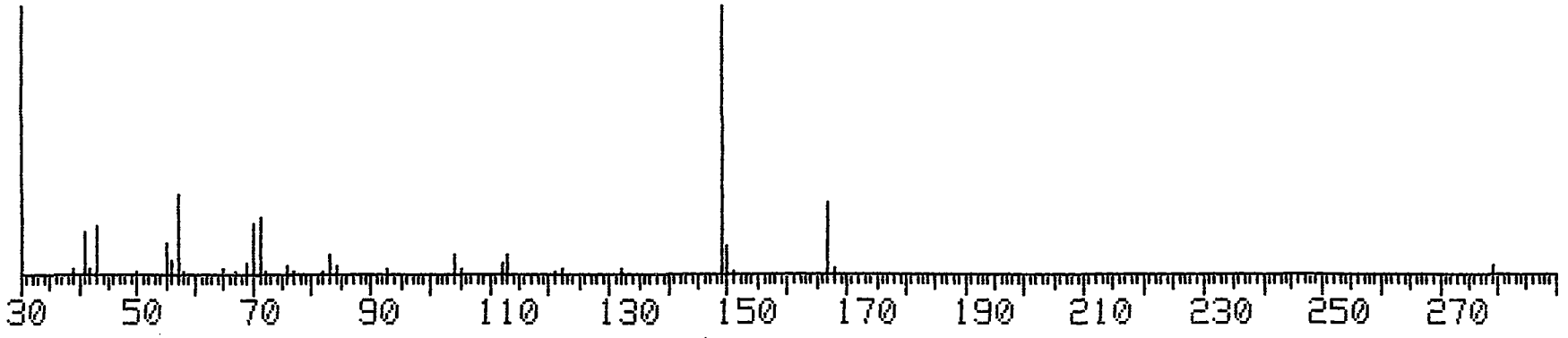
SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2499 Time 21.62 min. 20072
100 % = 3394



SY0:EQK02 EQK02 EXTR03 Total
08-MAY-92 17:31:31 Scan 2499 Time 21.62 min. 13416
Bkg scan = 2452 100 % = 3394



Standard Reference Spectrum: bis(2-Ethylhexyl)phthalate



000311

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK02
Injection date: 08-MAY-92 17:31:31

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	~~336~~	~~4.60~~	~~BB~~	~~-5~~	~~9~~	~~52969.~~	~~0.46~~	~~15.42~~	~~1~~
2	494 1	5.85	BB	-8	12	138226.	1.19	40.24	1
3 ✓	1605 2	14.58	BB	-11	11	110625.	0.95	14.20	4
4 ✓	1915 3	17.02	BB	-10	28	50668.	0.44	6.50	4
~~5 ✓~~	~~2592~~	~~22.35~~	~~BB~~	~~-5~~	~~4~~	~~46066.~~	~~0.40~~	~~4.166.0~~	~~5~~
6 ✓	2647 6	22.78	VV	-9	13	274168.	2.36	~~28.43~~ 34.6	6
7 ✓	2764 7	23.70	BB	-7	7	159788.	1.37	~~16.57~~ 20.2	6
8 ✓	2815 8	24.10	BV	-12	5	863228.	7.42	~~89.52~~ 109.0	6
~~9~~	~~2891~~	~~24.70~~	~~VB~~	~~-8~~	~~13~~	~~57576.~~	~~0.50~~	~~5.97~~	~~6~~
10 ✓	2925 9	24.97	BB	-9	15	280952.	2.42	~~29.14~~ 35.5	6
11 ✓	2968 10	25.30	BV	-15	3	542462.	4.66	~~56.25~~ 68.5	6
12 ✓	2974 11	25.35	VV	-3	7	427633.	3.68	~~44.35~~ 54.0	6
13 ✓	2984 12	25.43	VV	-3	6	64846.	0.56	~~6.72~~ 8.2	6
14 ✓	2998 13	25.53	VB	-8	7	150260.	1.29	~~15.58~~ 19.0	6
15 ✓	3030 14	25.78	BV	-6	7	56908.	0.49	~~5.90~~ 7.2	6
~~16~~	~~3041~~	~~25.88~~	~~VV~~	~~-4~~	~~15~~	~~47939.~~	~~0.43~~	~~5.18~~	~~6~~
17	3078 15	26.17	BB	-10	11	3544 ~~538773.~~	4.63	~~55.87~~ 41.1	6
18 ✓	3101 16	26.35	BB	-9	8	147174.	1.27	~~15.26~~ 18.6	6
19 ✓	3120 17	26.50	BB	-9	5	124984.	1.07	~~12.96~~ 15.8	6
20	3130 18	26.58	BV	-5	7	115008 ~~322317~~	2.77	~~38.42~~ 14.5	6
21 ✓	3141 19	26.67	VB	-4	5	114988.	0.99	~~11.92~~ 14.5	6
22	3155 20	26.77	BV	-9	19	~~1493021.~~ 689027	12.84	~~154.93~~ 87.0	

TIC areas for associated internal standards:

Std.	Area	Conc.
5M 1 ✓	137408.	40.
M17 4 ✓	311597.	40.
24565	~~442798~~ 306439	40.
28276	~~385722.~~ 316732	40.

4 2466 21.35' 70112 9.2 5
5 2471 21.40 58713 7.7 5

crosshouts
5/15/92 JH

NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 494
Background Scans * 1.00 486
Retention time: 5.85 min.
Date: 08-MAY-92 Time: 17:31:31

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.668
C6H14O3 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 14577
C.A.S 112-50-5
Fit 0.633
C8H18O4 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 3 Spectrum 11076
C.A.S 112-36-7
Fit 0.591
C8H18O3 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 4 Spectrum 3147
C.A.S 1569-01-3
Fit 0.489
C6H14O2 118 2-Propanol, 1-propoxy-

Rank 5 Spectrum 14211
C.A.S 112-15-2
Fit 0.477
C8H16O4 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 6 Spectrum 3102
C.A.S 29006-02-8
Fit 0.462
C5H10O3 118 Butanoic acid, 4-methoxy-

Rank 7 Spectrum 3140
C.A.S 3944-36-3
Fit 0.453
C6H14O2 118 2-Propanol, 1-(1-methylethoxy)-

Rank 8 Spectrum 1725
C.A.S 19089-47-5
Fit 0.430
C5H12O2 104 1-Propanol, 2-ethoxy-

Rank 9 Spectrum 11070
C.A.S 10143-32-5
Fit 0.421
C8H18O3 162 2-Propanol, 1-(2-ethoxypropoxy)-

Rank 10 Spectrum 11073
C.A.S 54446-78-5
Fit 0.396
C8H18O3 162 Ethanol, 1-(2-butoxyethoxy)-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

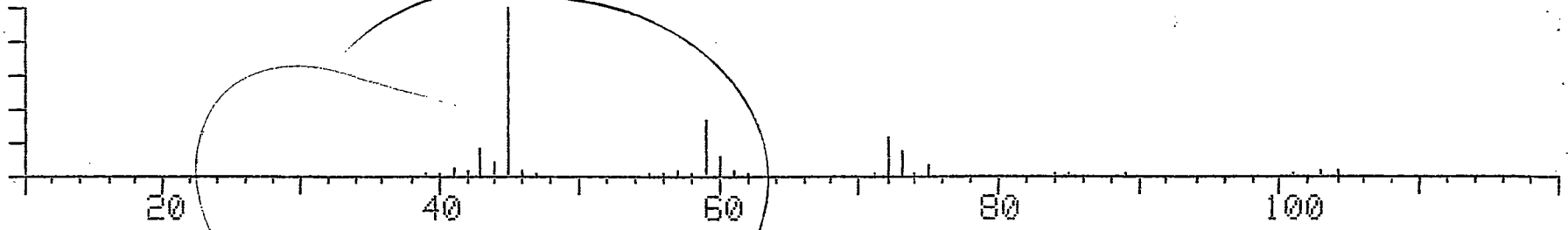
EQK02 EXTR03

TIC = 33150

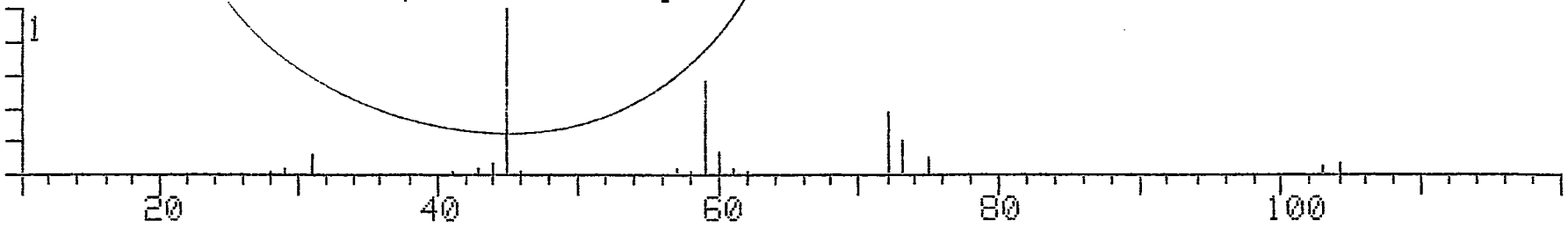
100% = 13360

000314

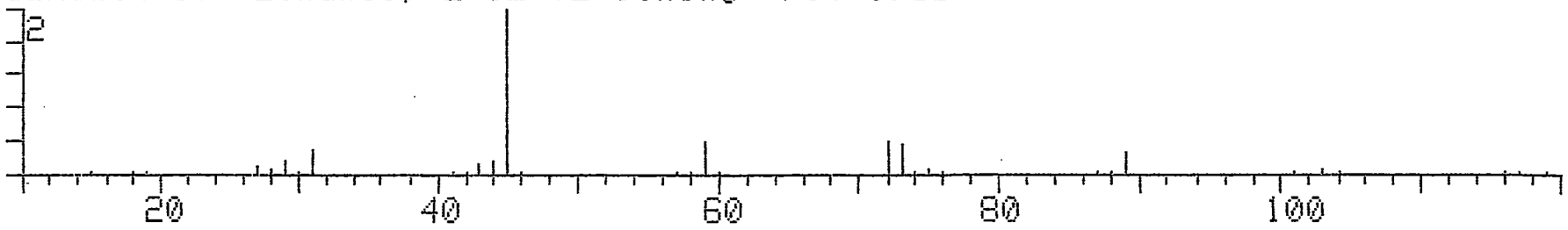
SCANS: 494-494 BKG * 1.00 486



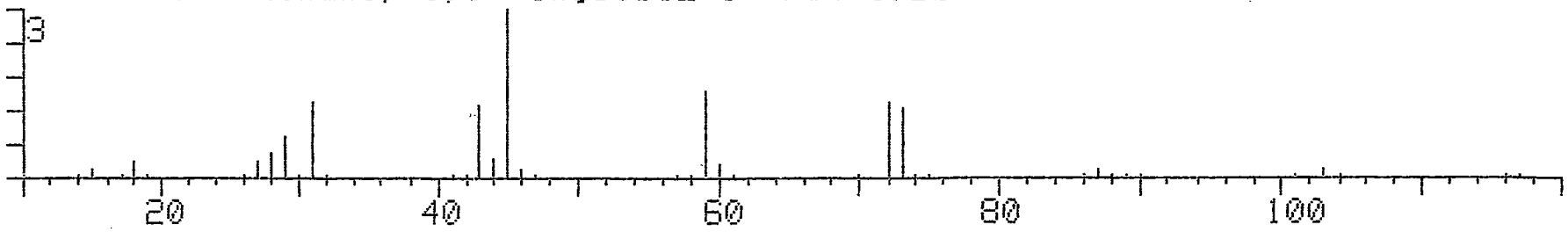
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.668 SP#/CAS# 5298/111-90-0



C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.633 SP#/CAS# 14577/112-50-5



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.591 SP#/CAS# 11076/112-36-7



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 1605
Background Scans * 1.00 1594
Retention time: 14.58 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9971
C.A.S 62016-34-6
Fit 0.550
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 2 Spectrum 9976
C.A.S 62016-18-6
Fit 0.547
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 3 Spectrum 9979
C.A.S 17302-23-7
Fit 0.533
C11H24 156 Nonane, 4,5-dimethyl-

Rank 4 Spectrum 9969
C.A.S 17302-32-8
Fit 0.525
C11H24 156 Nonane, 3,7-dimethyl-

Rank 5 Spectrum 9970
C.A.S 62016-33-5
Fit 0.509
C11H24 156 Octane, 2,3,6-trimethyl-

Rank 6 Spectrum 6997
C.A.S 52896-90-9
Fit 0.507
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 7 Spectrum 6982
C.A.S 5911-04-6
Fit 0.478
C10H22 142 Nonane, 3-methyl-

Rank 8 Spectrum 9905
C.A.S 103-44-6
Fit 0.468
C10H200 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 9 Spectrum 9972
C.A.S 13151-34-3
Fit 0.467
C11H24 156 Decane, 3-methyl-

Rank 10 Spectrum 7007
C.A.S 2051-30-1
Fit 0.467
C10H22 142 Octane, 2,6-dimethyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

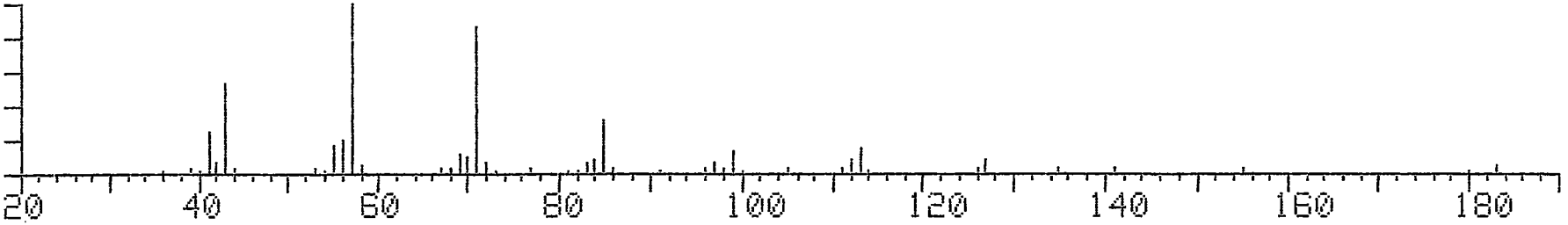
TIC = 16803

100% = 3504

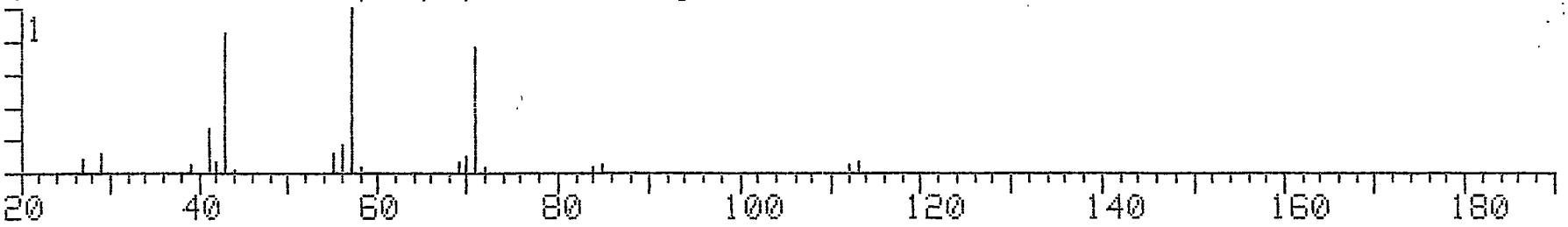
000316

UNKNOWN HYDROCARBON

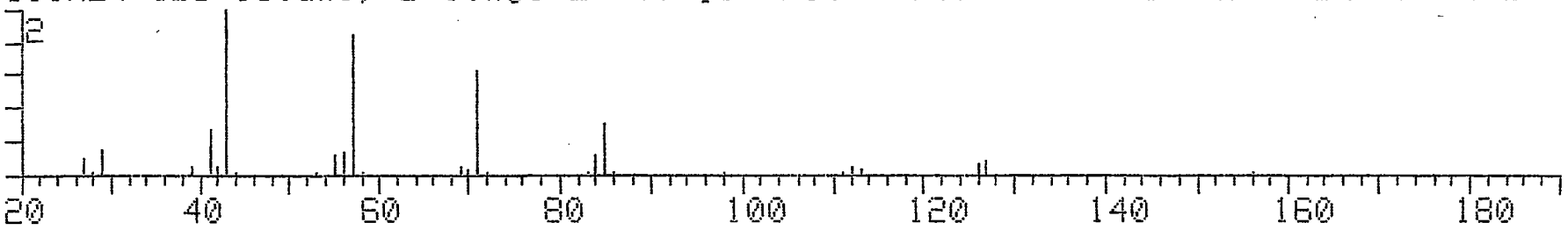
SCANS: 1605-1605 BKG * 1.00 1594



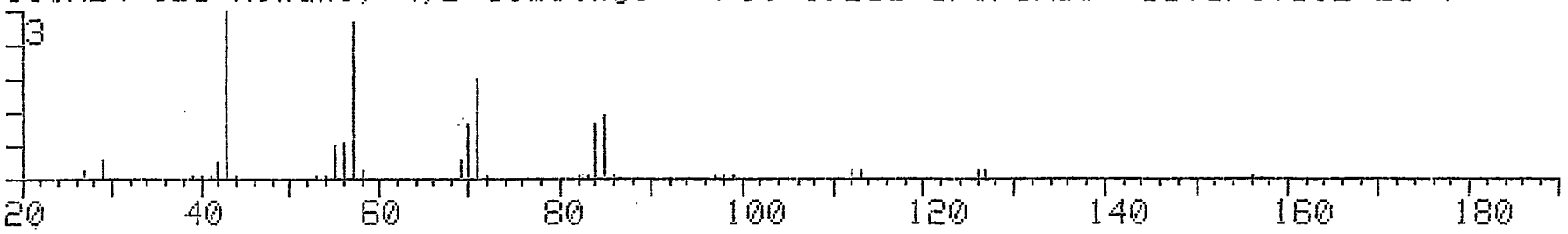
C11H24 156 Octane, 2,3,7-trimethyl- Fit 0.550 SP#/CAS# 9971/62016-34-6



C11H24 156 Octane, 5-ethyl-2-methyl Fit 0.547 SP#/CAS# 9976/62016-18-6



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.533 SP#/CAS# 9979/17302-23-7



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 1915
Background Scans * 1.00 1905
Retention time: 17.02 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 37907
C.A.S 506-30-9
Fit 0.610
C20H40O2 312 Eicosanoic acid

Rank 2 Spectrum 37245
C.A.S 18268-45-6
Fit 0.597
C12H24AgO2 307 Dodecanoic acid, silver(1+) salt

Rank 3 Spectrum 39482
C.A.S 2363-71-5
Fit 0.592
C21H42O2 326 Heneicosanoic acid

Rank 4 Spectrum 34125
C.A.S 57-11-4
Fit 0.578
C18H36O2 284 Octadecanoic acid

Rank 5 Spectrum 29875
C.A.S 57-10-3
Fit 0.570
C16H32O2 256 Hexadecanoic acid

Rank 6 Spectrum 38791
C.A.S 74685-41-9
Fit 0.561
C15H29BrO2 320 Pentadecanoic acid, 14-bromo-

Rank 7 Spectrum 42813
C.A.S 123-94-4
Fit 0.557
C21H42O4 358 Octadecanoic acid, 2,3-dihydroxypropyl ester

Rank 8 Spectrum 27496
C.A.S 1002-84-2
Fit 0.537
C15H30O2 242 Pentadecanoic acid

Rank 9 Spectrum 42969
C.A.S 14414-32-5
Fit 0.533
C18H20N2O6 360 Benzaldehyde, 4-hydroxy-3,5-dimethoxy-, [(4-hydroxy-3,5-dimethoxyphenyl)methylene]hydrazone

Rank 10 Spectrum 38790
C.A.S 56523-59-2
Fit 0.532
C15H29BrO2 320 Pentadecanoic acid, 15-bromo-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

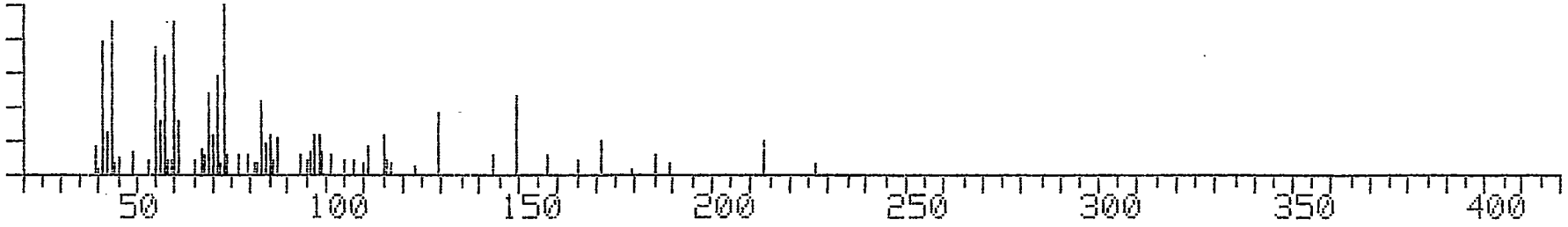
TIC = 7235

100% = 538

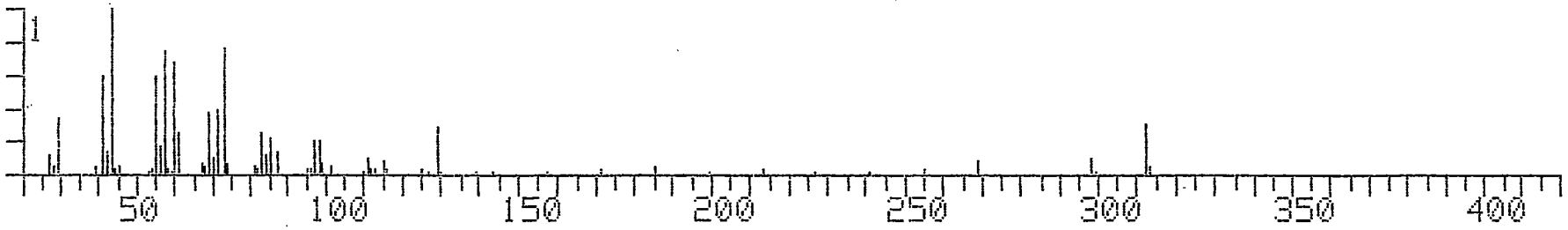
000318

UNKNOWN

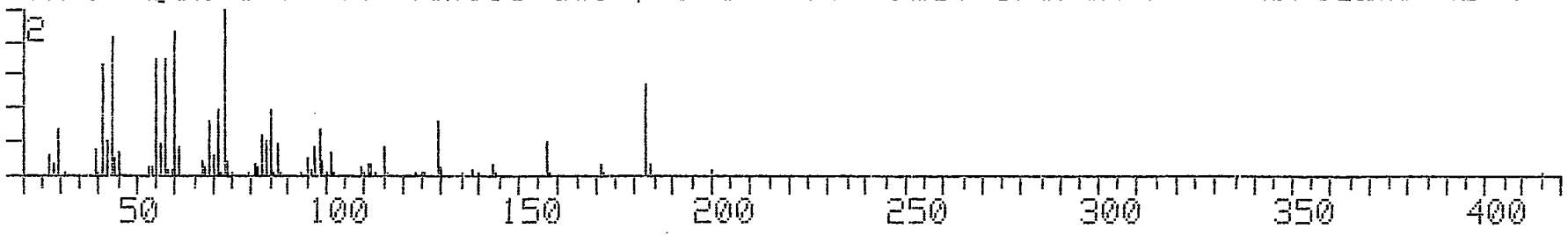
SCANS: 1915-1915 BKG * 1.00 1905



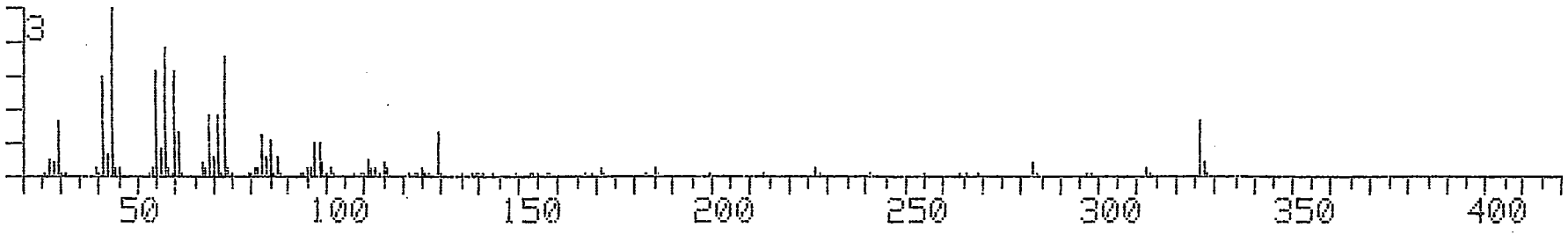
C20H40O2 312 Eicosanoic acid Fit 0.610 SP#/CAS# 37907/506-30-9



C12H24Ag02 307 Dodecanoic acid, sil Fit 0.597 SP#/CAS# 37245/18268-45-6



C21H42O2 326 Heneicosanoic acid Fit 0.592 SP#/CAS# 39482/2363-71-5



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2466
Background Scans * 1.00 2460
Retention time: 21.35 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 9540
C.A.S 13151-43-4
Fit 0.496
C11H22 154 Cyclodecane, methyl-

Rank 2 Spectrum 6565
C.A.S 21328-57-4
Fit 0.458
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 3 Spectrum 9459
C.A.S 54244-81-4
Fit 0.408
C10H18O 154 Cyclohexanol, 2-methyl-3-(1-methylethenyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 4 Spectrum 9538
C.A.S 821-95-4
Fit 0.407
C11H22 154 1-Undecene

Rank 5 Spectrum 6952
C.A.S 31502-14-4
Fit 0.400
C9H18O 142 2-Nonen-1-ol, (E)-

Rank 6 Spectrum 9410
C.A.S 3913-81-3
Fit 0.391
C10H18O 154 2-Decenal, (E)-

Rank 7 Spectrum 7394
C.A.S 143-08-8
Fit 0.388
C9H20O 144 1-Nonanol

Rank 8 Spectrum 9496
C.A.S -0
Fit 0.388
C11H22 154 1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE

Rank 9 Spectrum 7382
C.A.S 28473-21-4
Fit 0.387
C9H20O 144 Nonanol

000319

Rank 10 Spectrum 10364
C.A.S 112-30-1
Fit 0.379

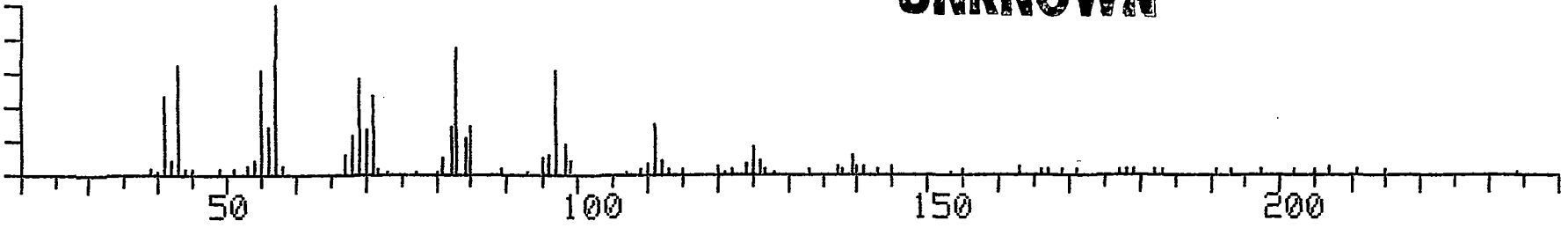
NISTEPA Forward Library Search
Injection Date: 08-MAY-92 Time: 17:31:31
Filename: SY0:EQK02
Comments:
EQK02 EXTR03

TIC = 14961
100% = 1554

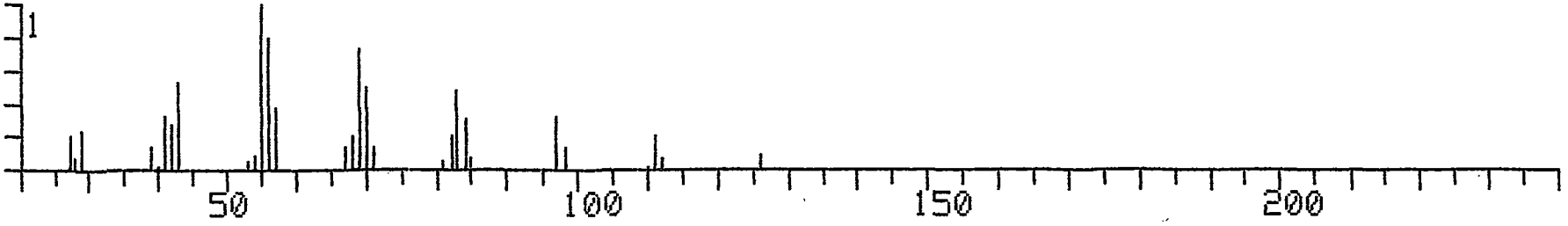
000320

SCANS: 2466-2466 BKG * 1.00 2460

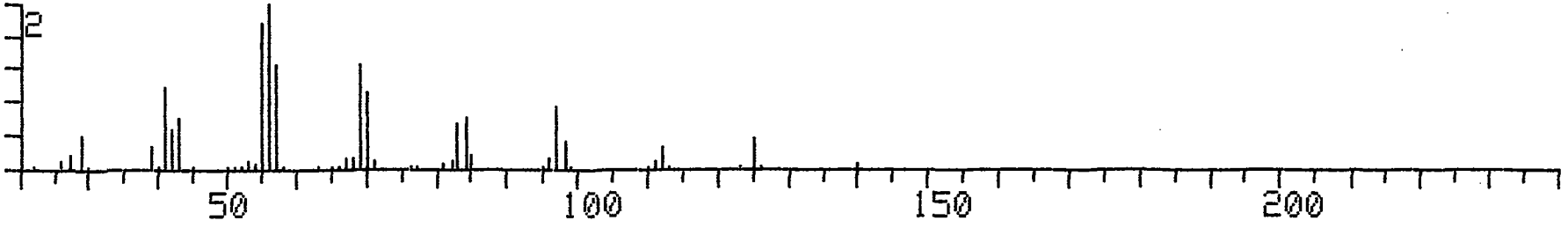
UNKNOWN



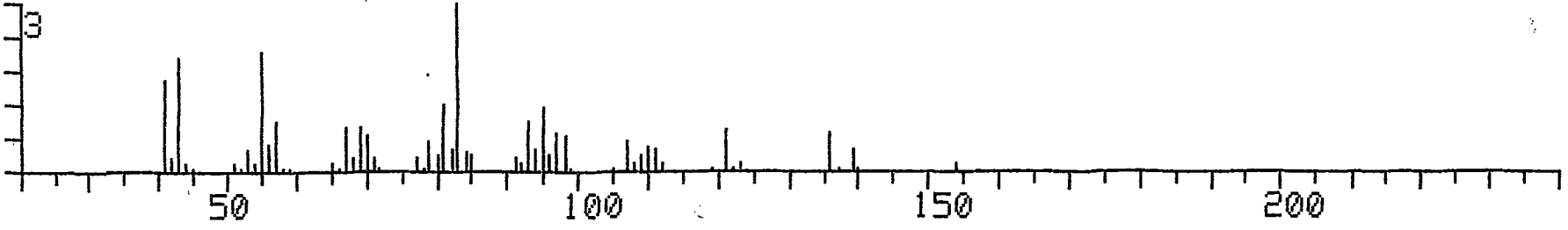
C11H22 154 Cyclodecane, methyl- Fit 0.496 SP#/CAS# 9540/13151-43-4



C10H20 140 Cyclooctane, 1,5-dimethy Fit 0.458 SP#/CAS# 6565/21328-57-4



C10H18O 154 Cyclohexanol, 2-methyl- Fit 0.408 SP#/CAS# 9459/54244-81-4



C10H22O 158 1-Decanol

NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2470
Background Scans * 1.00 2468
Retention time: 21.38 min.
Date: 08-MAY-92 Time: 17:31:31

Forward Search

UNKNOWN HYDROCARBON

Rank 1 Spectrum 16243
C.A.S 31081-18-2
Fit 0.254
C13H28 184 Nonane, 3-methyl-5-propyl-

Rank 2 Spectrum 13144
C.A.S 17312-55-9
Fit 0.252
C12H26 170 Decane, 3,8-dimethyl-

Rank 3 Spectrum 16199
C.A.S 17301-30-3
Fit 0.243
C13H28 184 Undecane, 3,8-dimethyl-

Rank 4 Spectrum 19146
C.A.S 1560-96-9
Fit 0.237
C14H30 198 Tridecane, 2-methyl-

Rank 5 Spectrum 16187
C.A.S 17301-27-8
Fit 0.237
C13H28 184 Undecane, 2,10-dimethyl-

Rank 6 Spectrum 16246
C.A.S 17312-75-3
Fit 0.237
C13H28 184 Nonane, 5-methyl-5-propyl-

Rank 7 Spectrum 16225
C.A.S 17312-62-8
Fit 0.236
C13H28 184 Decane, 5-propyl-

Rank 8 Spectrum 16241
C.A.S 31081-17-1
Fit 0.233
C13H28 184 Nonane, 2-methyl-5-propyl-

Rank 9 Spectrum 13141
C.A.S 17312-53-7
Fit 0.225
C12H26 170 Decane, 3,6-dimethyl-

Rank 10 Spectrum 13157
C.A.S 998-35-6
Fit 0.225
C12H26 170 Nonane, 5-propyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

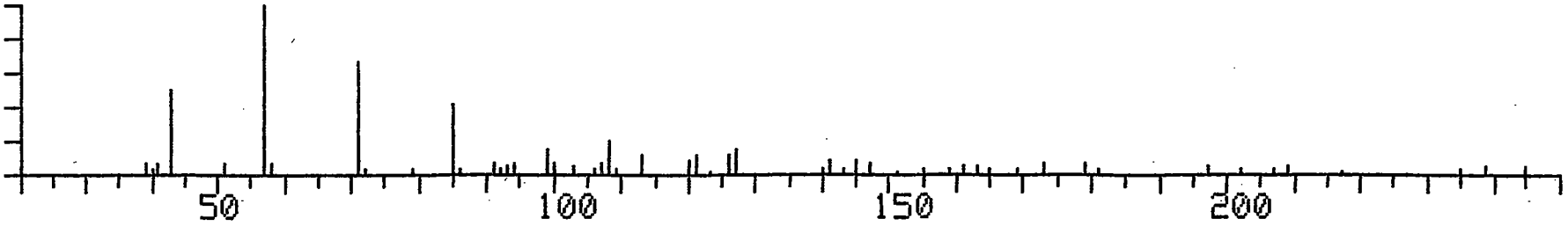
TIC = 3949

100% = 768

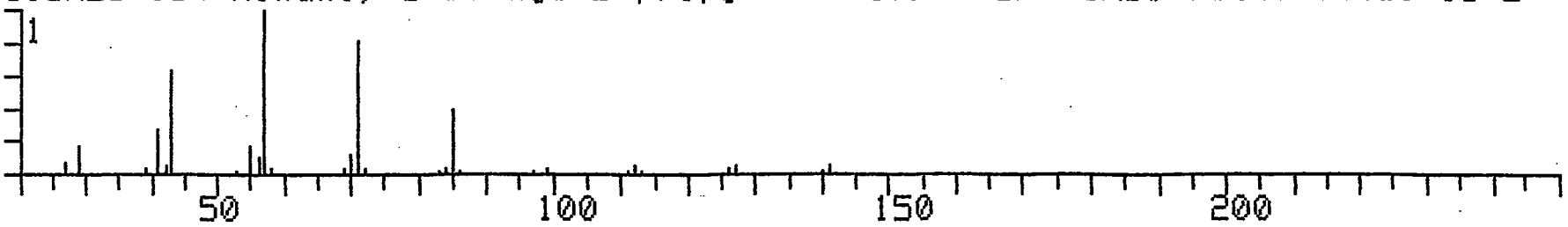
000322

SCANS: 2470-2470 BKG * 1.00 2468

UNKNOWN HYDROCARBON

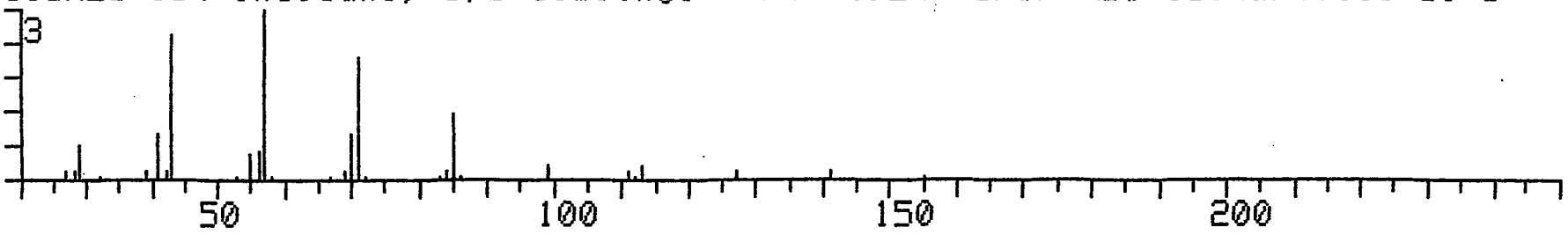


C13H28 184 Nonane, 3-methyl-5-propy Fit 0.254 SP#/CAS# 16243/31081-18-2



C12H26 170 Decane, 3,8-dimethyl- Fit 0.252 SP#/CAS# 13144/17312-55-9

C13H28 184 Undecane, 3,8-dimethyl- Fit 0.243 SP#/CAS# 16199/17301-30-3



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2647
Background Scans * 1.00 2638
Retention time: 22.78 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6565
C.A.S 21328-57-4
Fit 0.441
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 2 Spectrum 10366
C.A.S 10042-59-8
Fit 0.440
C10H22O 158 1-Heptanol, 2-propyl-

Rank 3 Spectrum 9540
C.A.S 13151-43-4
Fit 0.432
C11H22 154 Cyclodecane, methyl-

Rank 4 Spectrum 6536
C.A.S 29053-04-1
Fit 0.431
C10H20 140 Cyclopentane, 1-methyl-3-(2-methylpropyl)-

Rank 5 Spectrum 9538
C.A.S 821-95-4
Fit 0.419
C11H22 154 1-Undecene

Rank 6 Spectrum 10748
C.A.S 334-56-5
Fit 0.416
C10H21F 160 Decane, 1-fluoro-

Rank 7 Spectrum 9956
C.A.S 18409-18-2
Fit 0.394
C10H20O 156 2-Decen-1-ol, (E)-

Rank 8 Spectrum 10364
C.A.S 112-30-1
Fit 0.386
C10H22O 158 1-Decanol

Rank 9 Spectrum 9979
C.A.S 17302-23-7
Fit 0.385
C11H24 156 Nonane, 4,5-dimethyl-

Rank 10 Spectrum 6586
C.A.S 13151-98-9
Fit 0.378
C10H20 140 Cyclooctane, 1,4-dimethyl-, trans-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

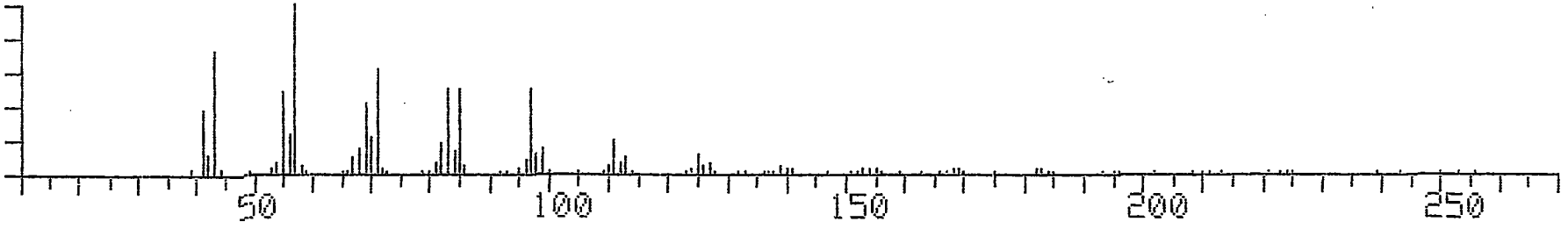
TIC = 52937

100% = 6462

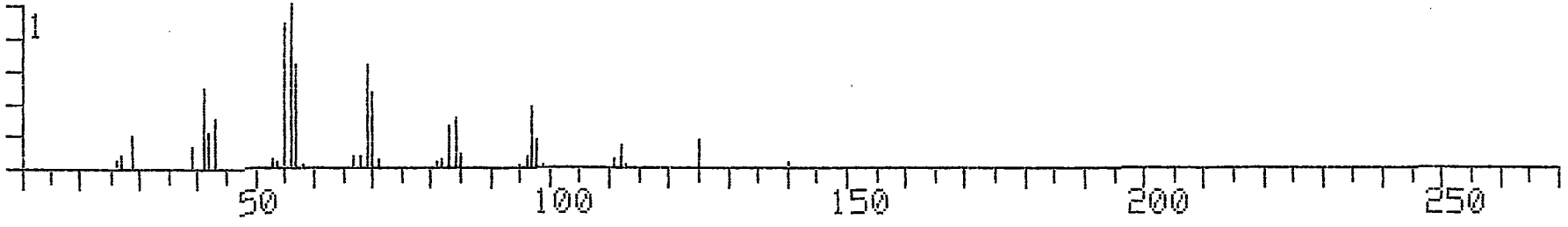
UNKNOWN HYDROCARBON

000324

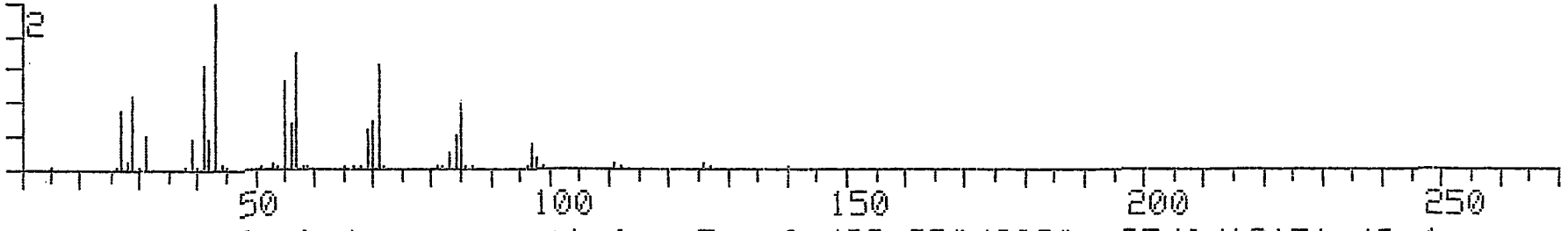
SCANS: 2647-2647 BKG * 1.00 2638



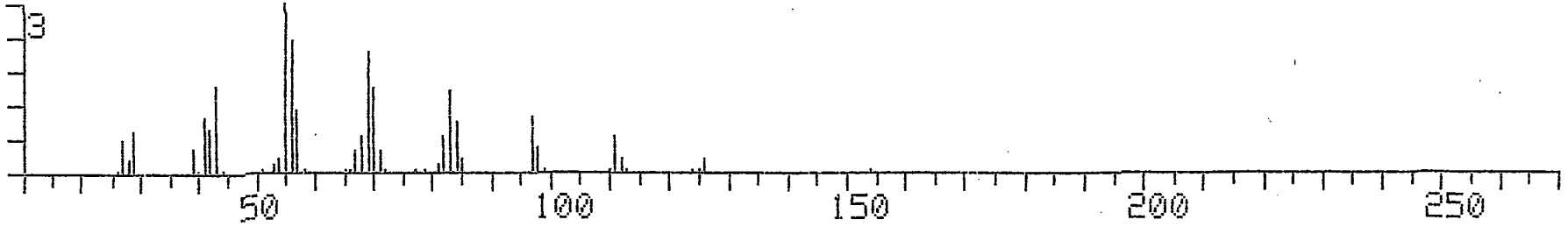
C10H20 140 Cyclooctane, 1,5-dimethy Fit 0.441 SP#/CAS# 6565/21328-57-4



C10H220 158 1-Heptanol, 2-propyl- Fit 0.440 SP#/CAS# 10366/10042-59-8



C11H22 154 Cyclodecane, methyl- Fit 0.432 SP#/CAS# 9540/13151-43-4



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2764
Background Scans * 1.00 2757
Retention time: 23.70 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9929
C.A.S 1502-05-2
Fit 0.488
C10H20O 156 Cyclodecanol

Rank 2 Spectrum 9002
C.A.S 18645-10-8
Fit 0.484
C11H20 152 Bicyclo[4.1.0]heptane, 7-butyl-

Rank 3 Spectrum 10002
C.A.S 2937-53-3
Fit 0.466
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 4 Spectrum 9930
C.A.S 31104-61-7
Fit 0.465
C10H20O 156 Cyclohexanol, 3-methyl-2-(1-methylethyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 5 Spectrum 3780
C.A.S 496-10-6
Fit 0.423
C9H16 124 1H-Indene, octahydro-

Rank 6 Spectrum 9927
C.A.S 2404-44-6
Fit 0.423
C10H20O 156 Oxirane, octyl-

Rank 7 Spectrum 6254
C.A.S 2243-27-8
Fit 0.407
C9H17N 139 Nonanenitrile

Rank 8 Spectrum 10050
C.A.S 32663-70-0
Fit 0.366
C8H15NO2 157 8-Azabicyclo[3.2.1]octan-3-ol, 8-methyl-, 8-oxide, (endo,anti)-

Rank 9 Spectrum 2202
C.A.S 286-44-2
Fit 0.365
C7H13N 111 8-Azabicyclo[5.1.0]octane

Rank 10 Spectrum 3842
C.A.S 283-24-9
Fit 0.354
C8H15N 125 3-Azabicyclo[3.2.2]nonane

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

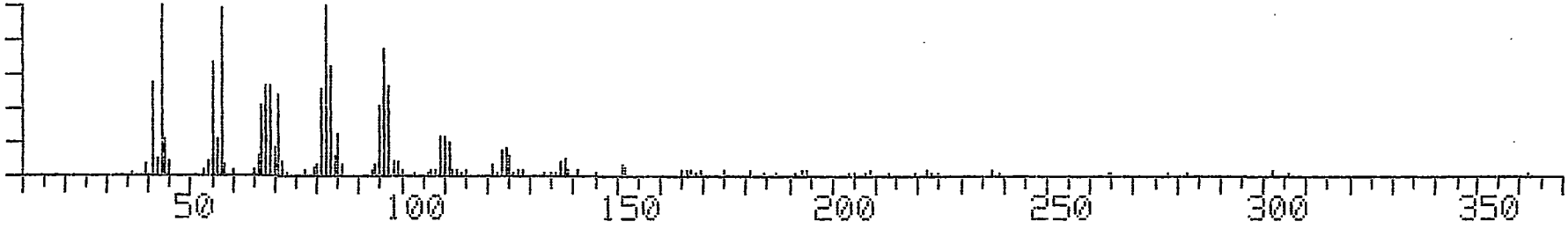
TIC = 39922

100% = 3033

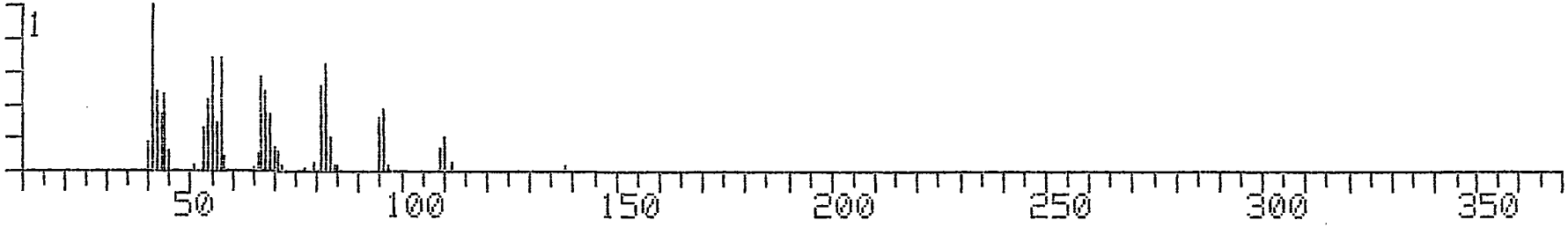
000326

UNKNOWN HYDROCARBON

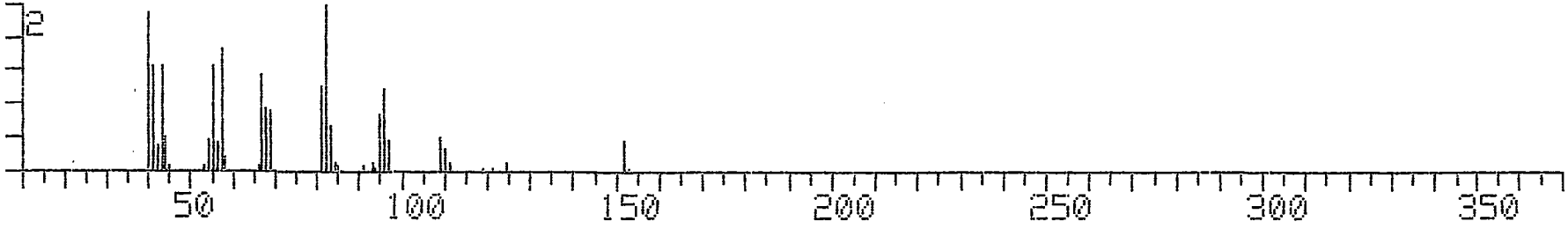
SCANS: 2764-2764 BKG * 1.00 2757



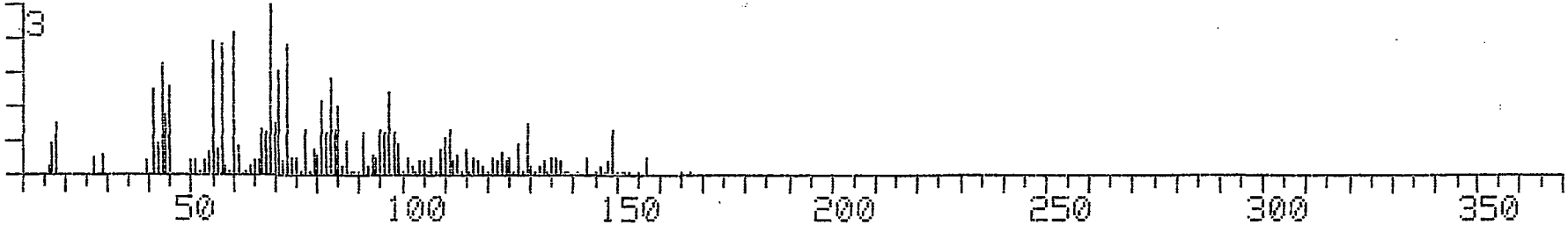
C10H20O 156 Cyclodecanol Fit 0.488 SP#/CAS# 9929/1502-05-2



C11H20 152 Bicyclo[4.1.0]heptane, 7 Fit 0.484 SP#/CAS# 9002/18645-10-8



C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.466 SP#/CAS# 10002/2937-53-3



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2815
Background Scans * 1.00 2803
Retention time: 24.10 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9540
C.A.S 13151-43-4
Fit 0.449
C11H22 154 Cyclodecane, methyl-

Rank 2 Spectrum 6565
C.A.S 21328-57-4
Fit 0.442
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 3 Spectrum 10366
C.A.S 10042-59-8
Fit 0.427
C10H22O 158 1-Heptanol, 2-propyl-

Rank 4 Spectrum 6536
C.A.S 29053-04-1
Fit 0.417
C10H20 140 Cyclopentane, 1-methyl-3-(2-methylpropyl)-

Rank 5 Spectrum 9538
C.A.S 821-95-4
Fit 0.415
C11H22 154 1-Undecene

Rank 6 Spectrum 10748
C.A.S 334-56-5
Fit 0.405
C10H21F 160 Decane, 1-fluoro-

Rank 7 Spectrum 9956
C.A.S 18409-18-2
Fit 0.401
C10H20O 156 2-Decen-1-ol, (E)-

Rank 8 Spectrum 10364
C.A.S 112-30-1
Fit 0.391
C10H22O 158 1-Decanol

Rank 9 Spectrum 6586
C.A.S 13151-98-9
Fit 0.375
C10H20 140 Cyclooctane, 1,4-dimethyl-, trans-

Rank 10 Spectrum 6585
C.A.S 54063-09-1
Fit 0.371
C10H20 140 Diisoamylene

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

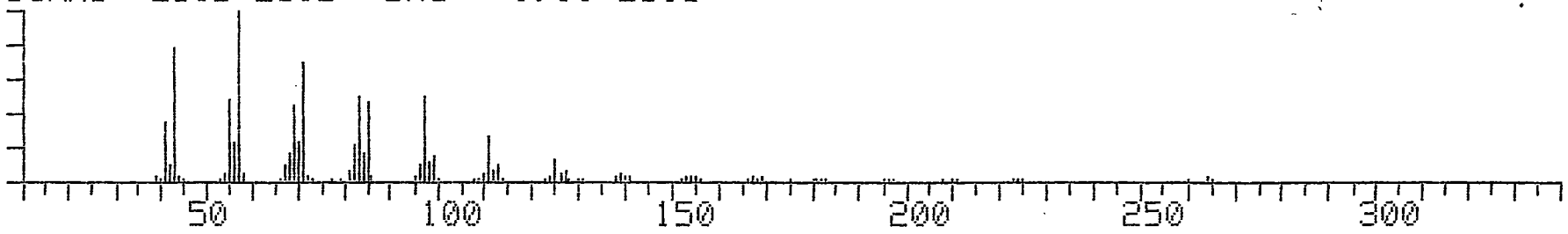
TIC = 140311

100% = 16469

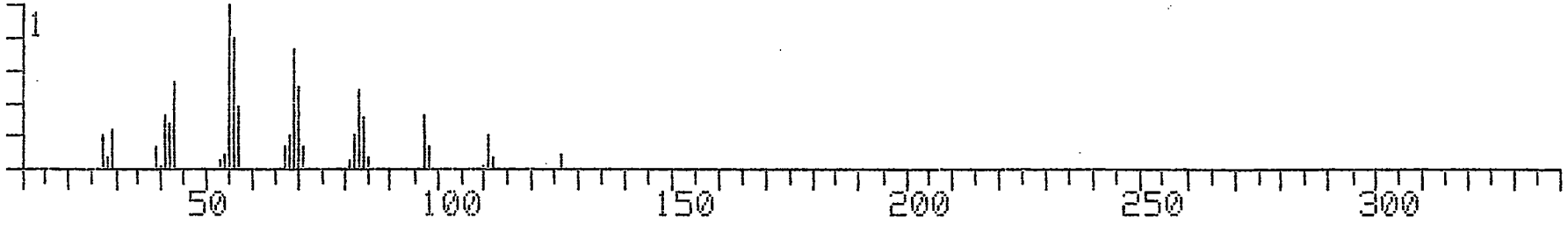
000328

UNKNOWN HYDROCARBON

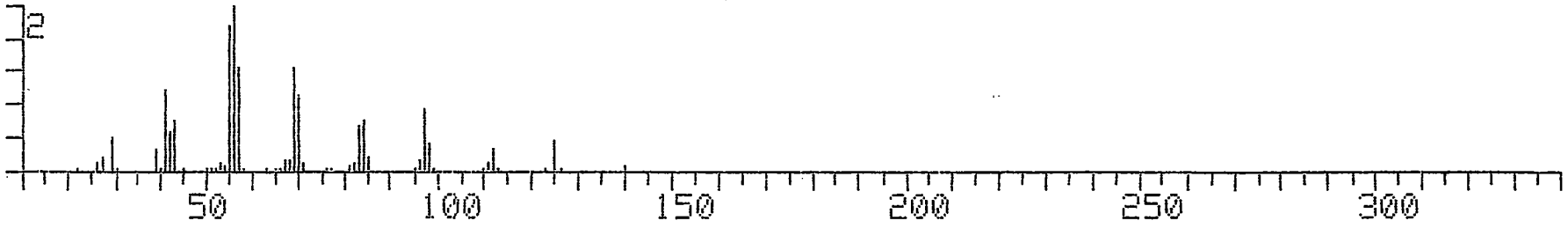
SCANS: 2815-2815 BKG * 1.00 2803



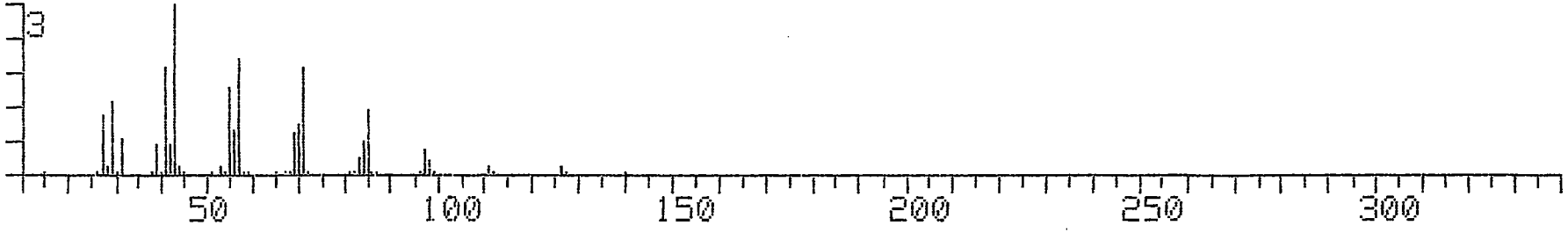
C11H22 154 Cyclodecane, methyl- Fit 0.449 SP#/CAS# 9540/13151-43-4



C10H20 140 Cyclooctane, 1,5-dimethy Fit 0.442 SP#/CAS# 6565/21328-57-4



C10H220 158 1-Heptanol, 2-propyl- Fit 0.427 SP#/CAS# 10366/10042-59-8



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2925
Background Scans * 1.00 2916
Retention time: 24.97 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 6254
C.A.S 2243-27-8
Fit 0.436
C9H17N 139 Nonanenitrile

Rank 2 Spectrum 3780
C.A.S 496-10-6
Fit 0.421
C9H16 124 1H-Indene, octahydro-

Rank 3 Spectrum 9132
C.A.S 1975-78-6
Fit 0.386
C10H19N 153 Decanenitrile

Rank 4 Spectrum 2202
C.A.S 286-44-2
Fit 0.360
C7H13N 111 8-Azabicyclo[5.1.0]octane

Rank 5 Spectrum 3842
C.A.S 283-24-9
Fit 0.340
C8H15N 125 3-Azabicyclo[3.2.2]nonane

Rank 6 Spectrum 9821
C.A.S 13482-27-4
Fit 0.339
C9H16O2 156 Cyclohexanone, 2-ethyl-4-methoxy-

Rank 7 Spectrum 9236
C.A.S -0
Fit 0.326
C8H14N2O 154 N-(4-MORPHOLINO)ISOBUTENE-3-IMINE

Rank 8 Spectrum 6946
C.A.S 56820-01-0
Fit 0.319
C9H18O 142 trans-2,3-Epoxynonane

No further entries found in library for this spectrum

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

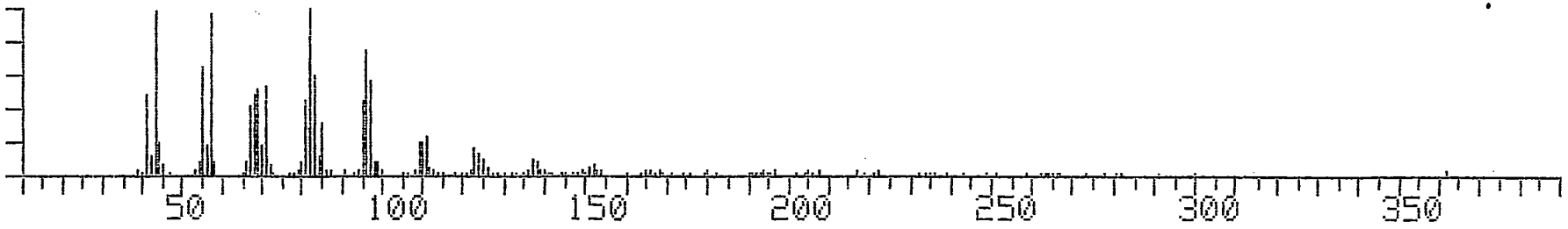
TIC = 65367

100% = 4938

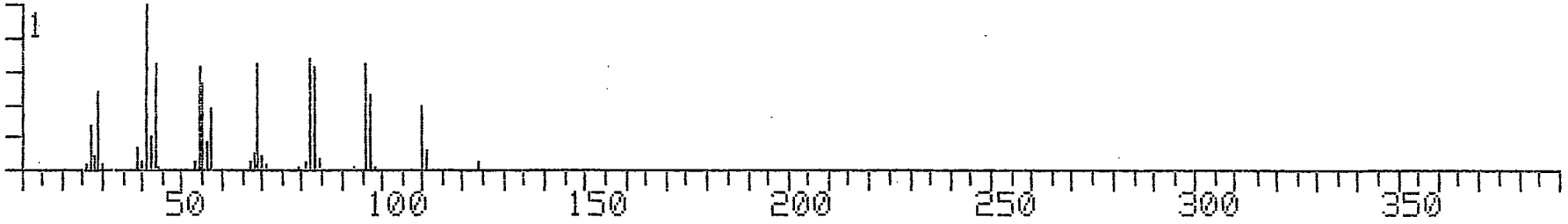
000330

UNKNOWN

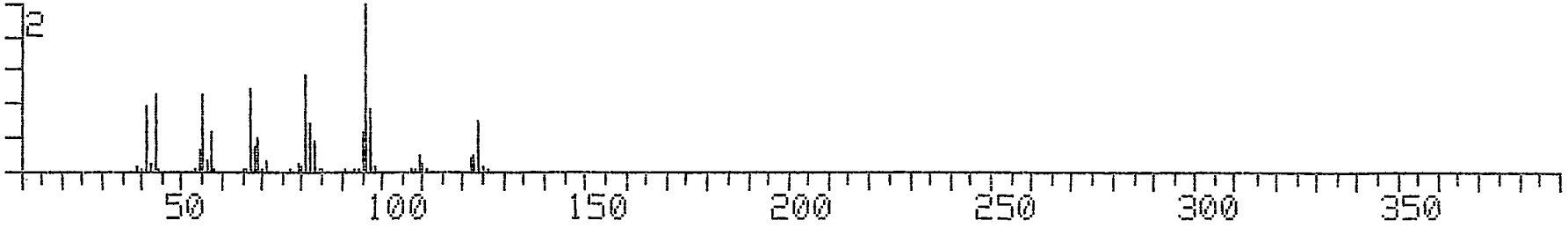
SCANS: 2925-2925 BKG * 1.00 2916



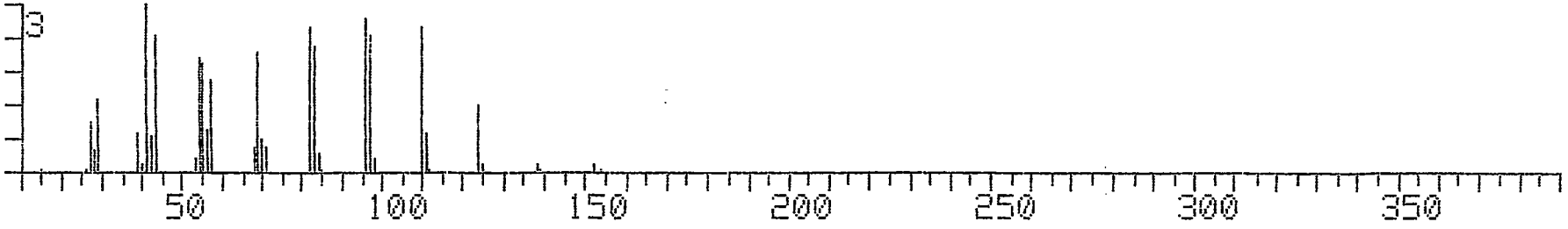
C9H17N 139 Nonanenitrile Fit 0.436 SP#/CAS# 6254/2243-27-8



C9H16 124 1H-Indene, octahydro- Fit 0.421 SP#/CAS# 3780/496-10-6



C10H19N 153 Decanenitrile Fit 0.386 SP#/CAS# 9132/1975-78-6



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2968
Background Scans * 1.00 2953
Retention time: 25.30 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 10356
C.A.S 2370-14-1
Fit 0.420
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 2 Spectrum 10366
C.A.S 10042-59-8
Fit 0.414
C10H22O 158 1-Heptanol, 2-propyl-

Rank 3 Spectrum 9979
C.A.S 17302-23-7
Fit 0.384
C11H24 156 Nonane, 4,5-dimethyl-

Rank 4 Spectrum 9905
C.A.S 103-44-6
Fit 0.380
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 5 Spectrum 9969
C.A.S 17302-32-8
Fit 0.373
C11H24 156 Nonane, 3,7-dimethyl-

Rank 6 Spectrum 9976
C.A.S 62016-18-6
Fit 0.364
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 7 Spectrum 9977
C.A.S 62016-19-7
Fit 0.350
C11H24 156 Octane, 6-ethyl-2-methyl-

Rank 8 Spectrum 9972
C.A.S 13151-34-3
Fit 0.348
C11H24 156 Decane, 3-methyl-

Rank 9 Spectrum 9510
C.A.S 13151-29-6
Fit 0.340
C11H22 154 1-Decene, 4-methyl-

Rank 10 Spectrum 7388
C.A.S 54004-41-0
Fit 0.340
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

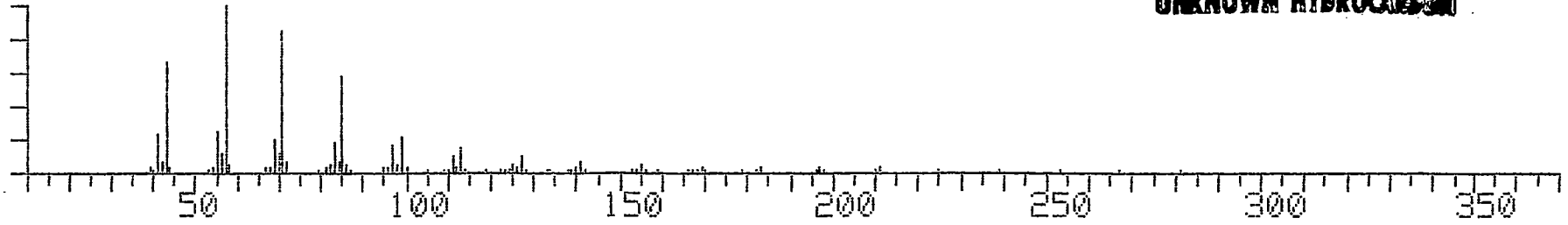
TIC = 105149

100% = 16598

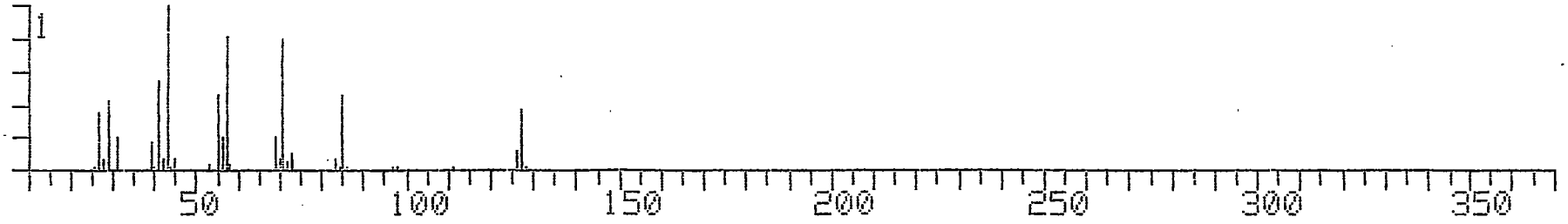
000332

SCANS: 2968-2968 BKG * 1.00 2953

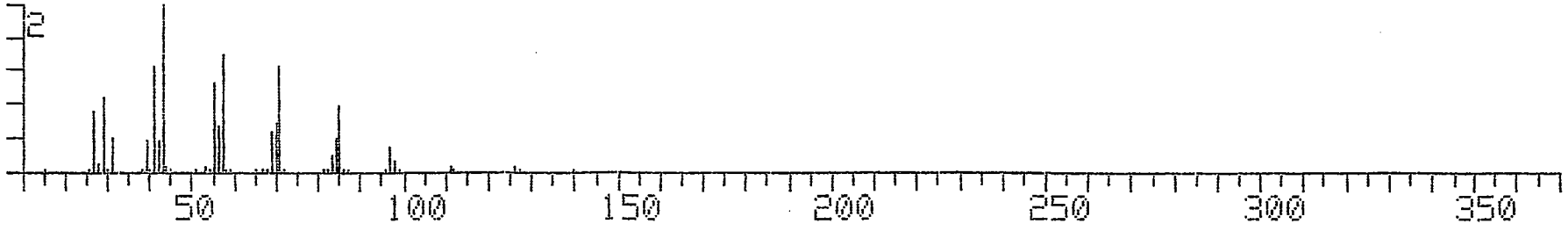
UNKNOWN HYDROCARBON



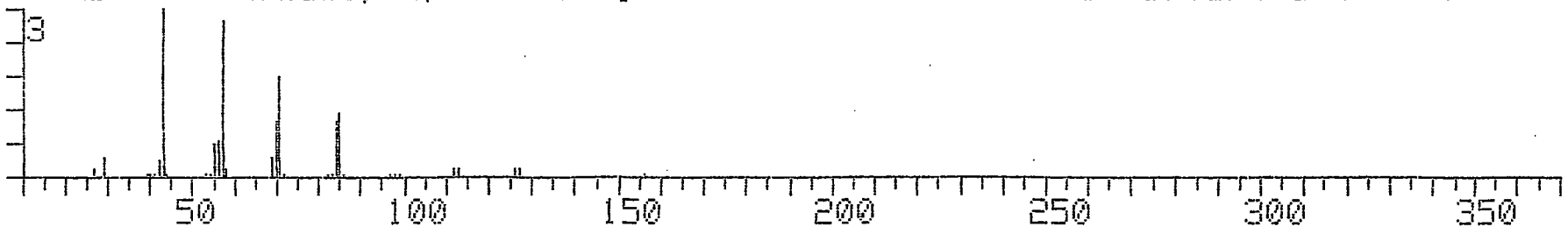
C10H22O 158 1-Octanol, 2,2-dimethyl Fit 0.420 SP#/CAS# 10356/2370-14-1



C10H22O 158 1-Heptanol, 2-propyl- Fit 0.414 SP#/CAS# 10366/10042-59-8



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.384 SP#/CAS# 9979/17302-23-7



NISTEPA Library Search

File name: DU0:[301,4]EQK02
Comments: EQK02 EXTR03
Scan Number: 2974
Retention time: 25.35 min.
Date: 08-MAY-92 Time: 17:31:31

Forward Search

UNKNOWN

Rank 1 Spectrum 6565
C.A.S 21328-57-4
Fit 0.445
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 2 Spectrum 6536
C.A.S 29053-04-1
Fit 0.392
C10H20 140 Cyclopentane, 1-methyl-3-(2-methylpropyl)-

Rank 3 Spectrum 7290
C.A.S 40894-17-5
Fit 0.355
C8H16O2 144 cis-2-(2-Hydroxyethyl)cyclohexanol

Rank 4 Spectrum 9132
C.A.S 1975-78-6
Fit 0.353
C10H19N 153 Decanenitrile

Rank 5 Spectrum 6470
C.A.S 2277-20-5
Fit 0.351
C9H16O 140 6-Nonenal, (E)-

Rank 6 Spectrum 7382
C.A.S 28473-21-4
Fit 0.346
C9H20O 144 Nonanol

Rank 7 Spectrum 7394
C.A.S 143-08-8
Fit 0.319
C9H20O 144 1-Nonanol

Rank 8 Spectrum 6254
C.A.S 2243-27-8
Fit 0.287
C9H17N 139 Nonanenitrile

Rank 9 Spectrum 6499
C.A.S 515-28-6
Fit 0.202
C9H16O 140 Bicyclo[2.2.1]heptan-2-ol, 3,3-dimethyl-, exo-

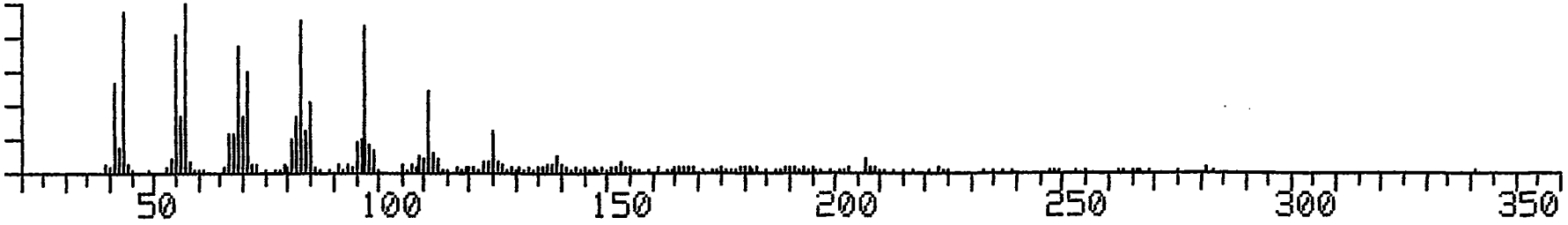
Rank 10 Spectrum 6464
C.A.S 5957-68-6
Fit 0.201
C9H16O 140 Bicyclo[2.2.1]heptan-2-ol, 3,3-dimethyl-

NISTEPA Forward Library Search
Injection Date: 08-MAY-92 Time: 17:31:31
Filename: DU0:[301,4]EQK02
Comments:
EQK02 EXTR03

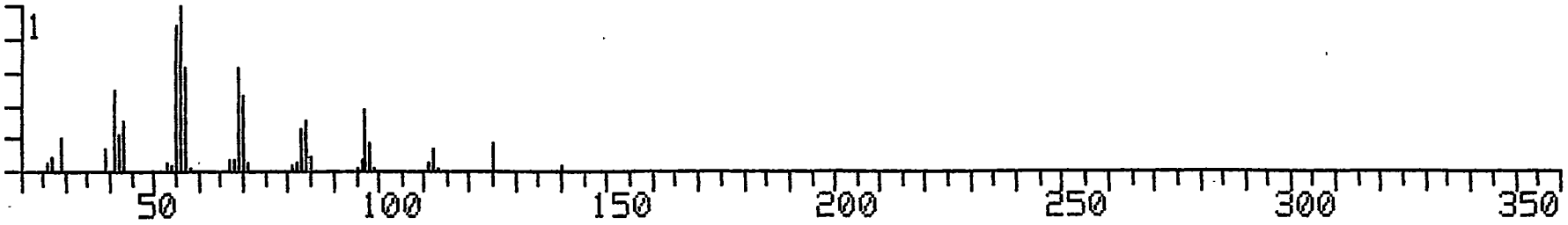
TIC = 106397
100% = 7856

UNKNOWN

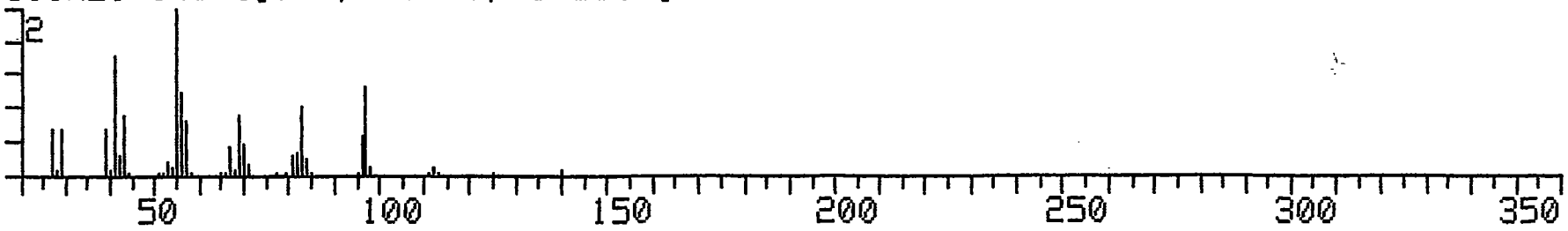
SCANS: 2974-2974 NO BACKGROUND SCANS



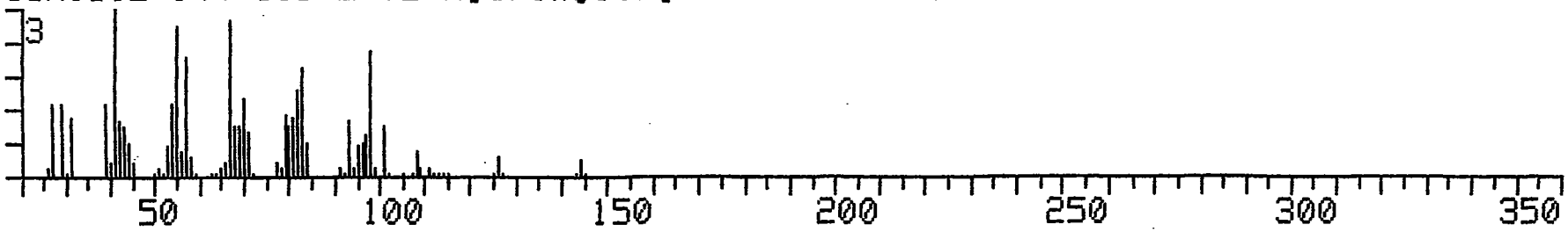
C10H20 140 Cyclooctane, 1,5-dimethy Fit 0.445 SP#/CAS# 6565/21328-57-4



C10H20 140 Cyclopentane, 1-methyl-3 Fit 0.392 SP#/CAS# 6536/29053-04-1



C8H16O2 144 cis-2-(2-Hydroxyethyl)c Fit 0.355 SP#/CAS# 7290/40894-17-5



000334

NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2984
Background Scans * 1.00 2981
Retention time: 25.43 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 24783
C.A.S 2345-28-0
Fit 0.350
C15H30O 226 2-Pentadecanone

Rank 2 Spectrum 31804
C.A.S 502-69-2
Fit 0.319
C18H36O 268 2-Pentadecanone, 6,10,14-trimethyl-

Rank 3 Spectrum 19111
C.A.S 593-08-8
Fit 0.300
C13H26O 198 2-Tridecanone

Rank 4 Spectrum 16139
C.A.S 6175-49-1
Fit 0.268
C12H24O 184 2-Dodecanone

Rank 5 Spectrum 40882
C.A.S 540-09-0
Fit 0.255
C23H46O 338 12-Tricosanone

Rank 6 Spectrum 25090
C.A.S 2345-12-2
Fit 0.252
C13H24O3 228 Tridecanoic acid, 12-oxo-

Rank 7 Spectrum 18994
C.A.S 54852-79-8
Fit 0.221
C11H18O3 198 2,4(3H,5H)-Furandione, 5-hexyl-5-methyl-

Rank 8 Spectrum 37868
C.A.S 870-10-0
Fit 0.193
C19H36O3 312 Octadecanoic acid, 10-oxo-, methyl ester

Rank 9 Spectrum 19948
C.A.S 32385-07-2
Fit 0.185
C9H17NO4 203 .alpha.-L-Lyxo-Hexopyranoside, methyl 3-(acetylamino)-2,3
,6-trideoxy-

Rank 10 Spectrum 29944
C.A.S 51996-41-9
Fit 0.149
C9H14F3NO4 257 L-Lyxo-Hexopyranoside, methyl 2,3,6-trideoxy-3-[(triflu
oroacetyl)amino]-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

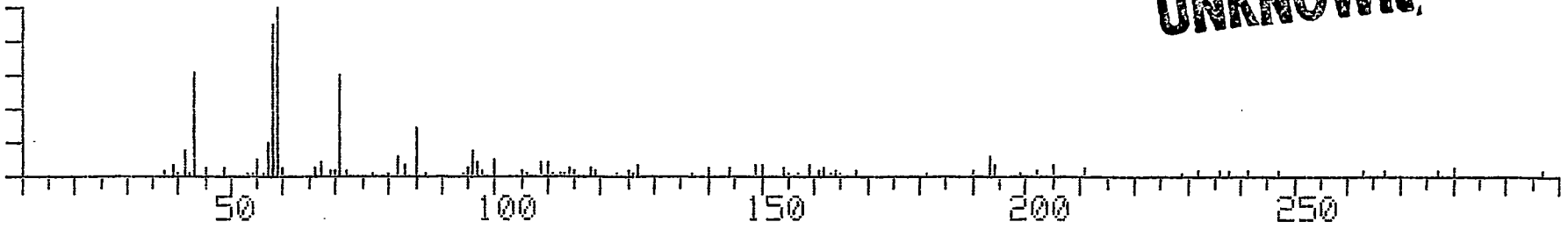
TIC = 8599

100% = 1334

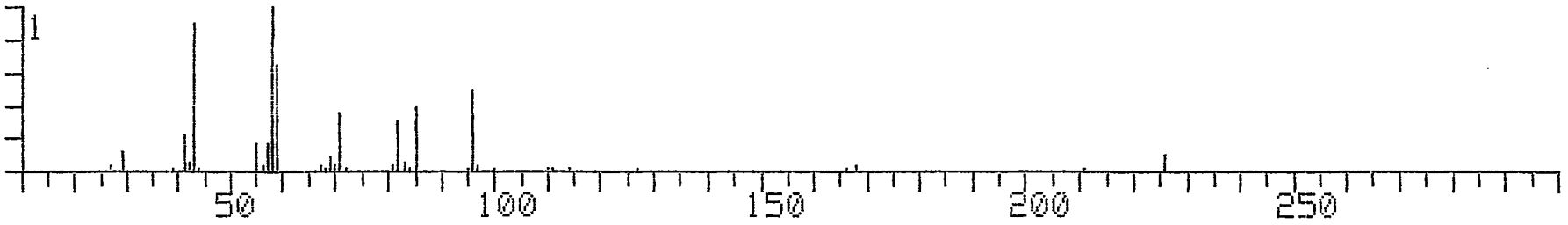
000336

SCANS: 2984-2984 BKG * 1.00 2981

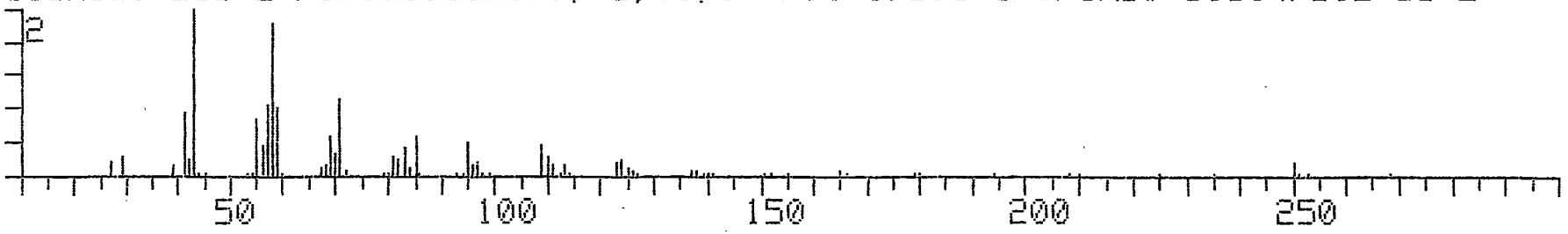
UNKNOWN.



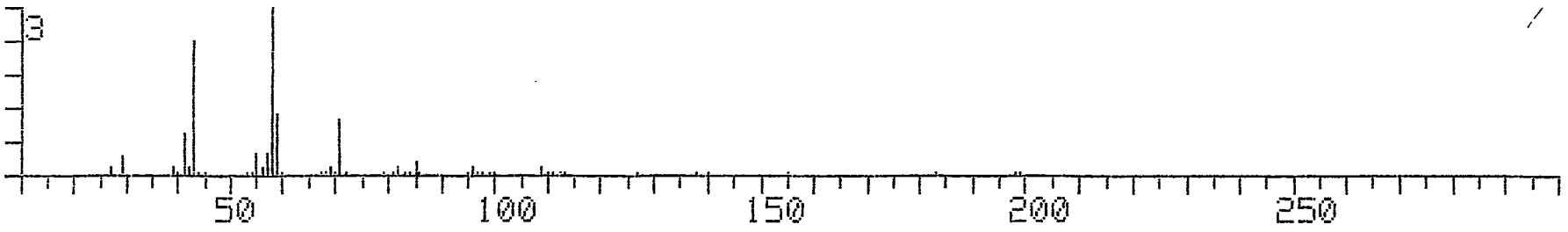
C15H30O 226 2-Pentadecanone Fit 0.350 SP#/CAS# 24783/2345-28-0



C18H36O 268 2-Pentadecanone, 6,10,1 Fit 0.319 SP#/CAS# 31804/502-69-2



C13H26O 198 2-Tridecanone Fit 0.300 SP#/CAS# 19111/593-08-8



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 2998
Background Scans * 1.00 2990
Retention time: 25.53 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 49006
C.A.S 7144-08-3
Fit 0.526
C28H45ClO2 448 Cholest-5-en-3-ol (3.beta.)-, carbonochloridate

Rank 2 Spectrum 45623
C.A.S 474-25-9
Fit 0.524
C24H40O4 392 Chenodeoxycholic acid

Rank 3 Spectrum 46179
C.A.S 39005-15-7
Fit 0.515
C24H32O5 400 Bufa-20,22-dienolide, 14,15-epoxy-3,11-dihydroxy-, (3.beta.,5.beta.,11.alpha.,15.beta.)-

Rank 4 Spectrum 47117
C.A.S 14772-51-1
Fit 0.509
C29H50O 414 Cholest-8(14)-en-3-ol, 4,4-dimethyl-, (3.beta.,5.alpha.)-

Rank 5 Spectrum 50854
C.A.S 55401-91-7
Fit 0.503
C31H50O5 502 30-Norlupan-28-oic acid, 3-hydroxy-21-methoxy-20-oxo-, methyl ester, (3.beta.)-

Rank 6 Spectrum 48697
C.A.S 25116-73-8
Fit 0.485
C30H50O2 442 Lanostan-3-one, 11.beta.,18-epoxy-

Rank 7 Spectrum 45149
C.A.S 19548-94-8
Fit 0.485
C27H46O 386 B-Homo-A-norcholestan-6-one, (5.alpha.)-

Rank 8 Spectrum 45619
C.A.S 83-49-8
Fit 0.483
C24H40O4 392 Hyodeoxycholic acid

Rank 9 Spectrum 48547
C.A.S 36615-16-4
Fit 0.483
C26H32O6 440 Bufa-20,22-dienolide, 3-(acetyloxy)-14,15-epoxy-16-oxo-, (3.beta.,5.beta.,15.beta.)-

Rank 10 Spectrum 48670
C.A.S 10314-91-7
Fit 0.475
C26H34O6 442 D-Homo-24-nor-17-oxachola-20,22-diene-3,16-dione, 14,15:2

000337

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

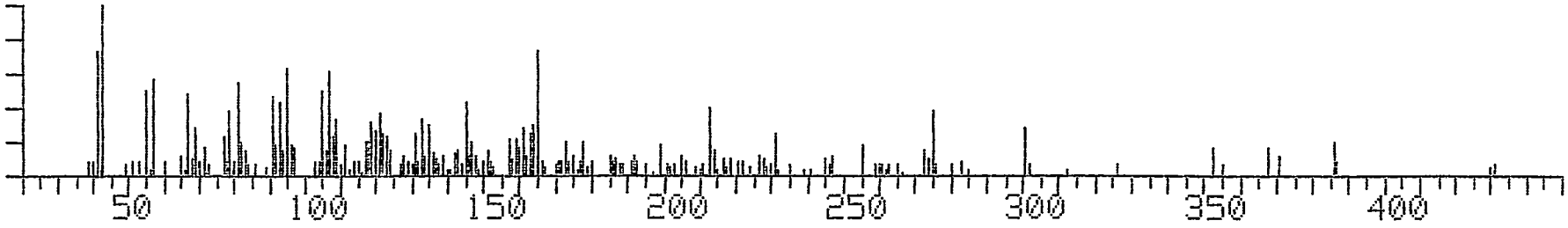
EQK02 EXTR03

TIC = 22524

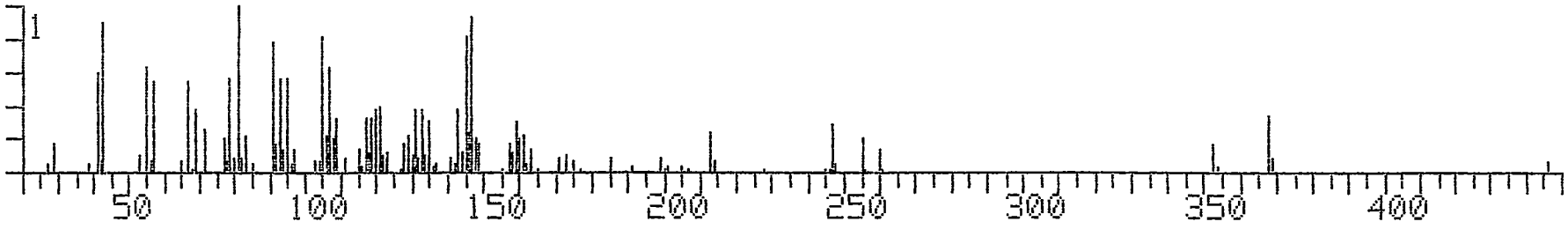
100% = 869

UNKNOWN

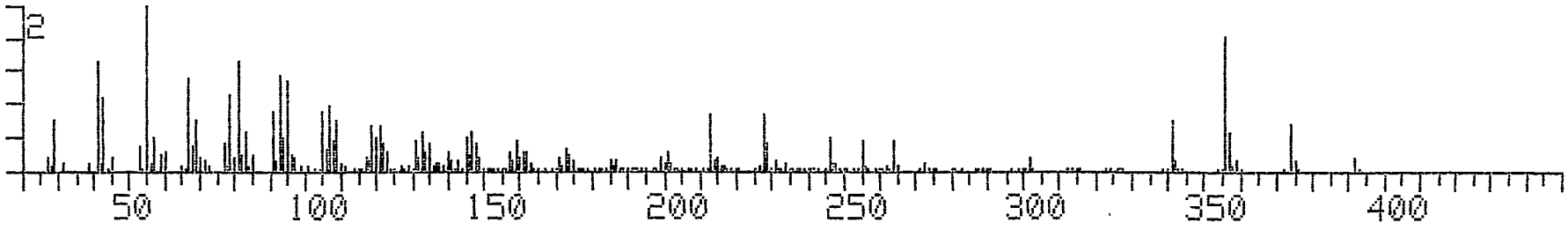
SCANS: 2998-2998 BKG * 1.00 2990



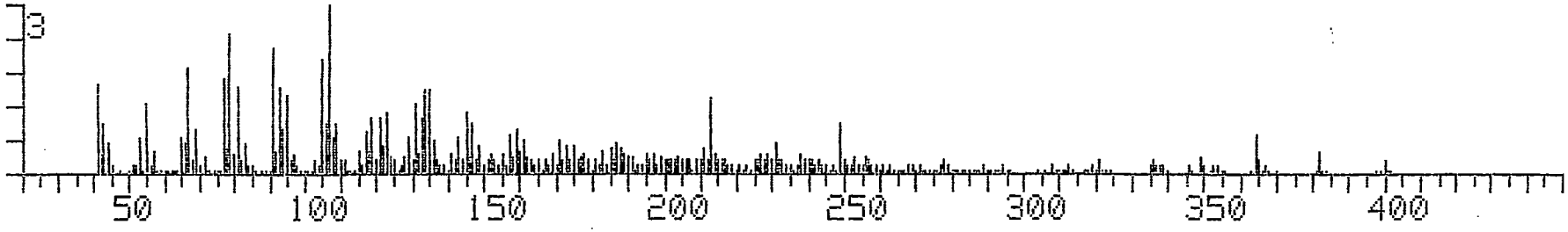
C28H45ClO2 448 Cholest-5-en-3-ol (3 Fit 0.526 SP#/CAS# 49006/7144-08-3



C24H4004 392 Chenodeoxycholic acid Fit 0.524 SP#/CAS# 45623/474-25-9



C24H3205 400 Bufa-20,22-dienolide, Fit 0.515 SP#/CAS# 46179/39005-15-7



000338

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3030
Background Scans * 1.00 3024
Retention time: 25.78 min.
Date: 08-MAY-92 Time: 17:31:31

Forward Search

Rank 1 Spectrum 50612
C.A.S 77646-24-3
Fit 0.570
C26H3609 492 1H-Cyclopropa[3,4]benz[1,2-e]azulene-4a,5,7b,9,9a(1aH)-pentol, 3-[(acetyloxy)methyl]-1b,4,5,7a,8,9-hexahydro-1,1,6,8-tetramethyl-, 9,9a-diacetate, [1aR-(1a.alpha.,1b.beta.,4a.beta.,5.alpha.,7a.alpha.,7b.alpha.,8.alpha.,9.beta.,9a.alpha.)]-

Rank 2 Spectrum 52000
C.A.S 105-92-0
Fit 0.538
C40H580 554 Rhodopin

Rank 3 Spectrum 47116
C.A.S 83-47-6
Fit 0.534
C29H500 414 .gamma.-Sitosterol

Rank 4 Spectrum 46040
C.A.S 474-67-9
Fit 0.524
C28H460 398 Ergosta-5,22-dien-3-ol, (3.beta.,22E)-

Rank 5 Spectrum 46057
C.A.S 516-79-0
Fit 0.522
C28H460 398 Ergosta-5,7-dien-3-ol, (3.beta.)-

Rank 6 Spectrum 51754
C.A.S 24041-72-3
Fit 0.488
C34H5405 542 Lanosta-7,9(11)-diene-3.beta.,18,20-triol, 3,18-diacetate, (20R)-

Rank 7 Spectrum 46954
C.A.S 83-48-7
Fit 0.487
C29H480 412 Stigmasterol

Rank 8 Spectrum 47815
C.A.S 29782-65-8
Fit 0.486
C30H500 426 Gorgost-5-en-3-ol, (3.beta.)-

Rank 9 Spectrum 49008
C.A.S 56052-97-2
Fit 0.486
C28H4804 448 Ergost-25-ene-3,5,6,12-tetrol, (3.beta.,5.alpha.,6.beta.,12.beta.)-

000339

Rank 10 Spectrum 46038
C.A.S 17472-78-5

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

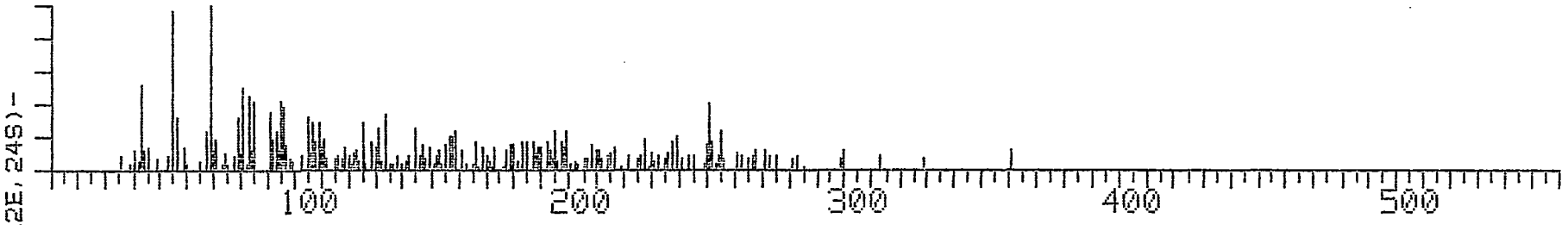
EQK02 EXTR03

TIC = 10529

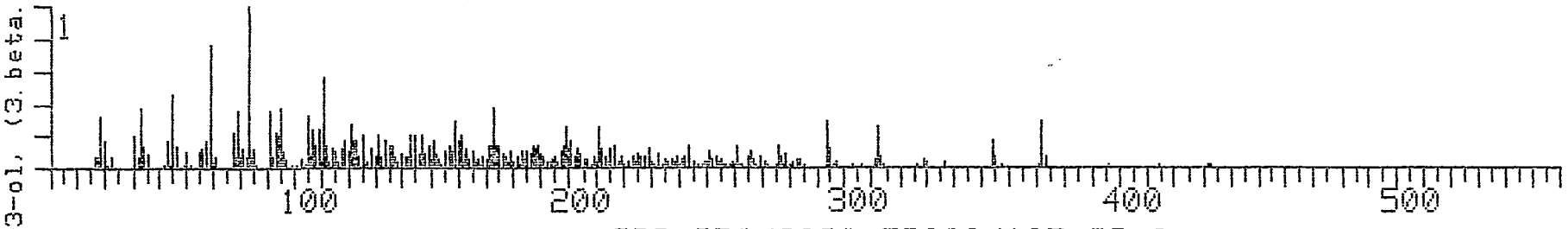
100% = 486

UNKNOWN

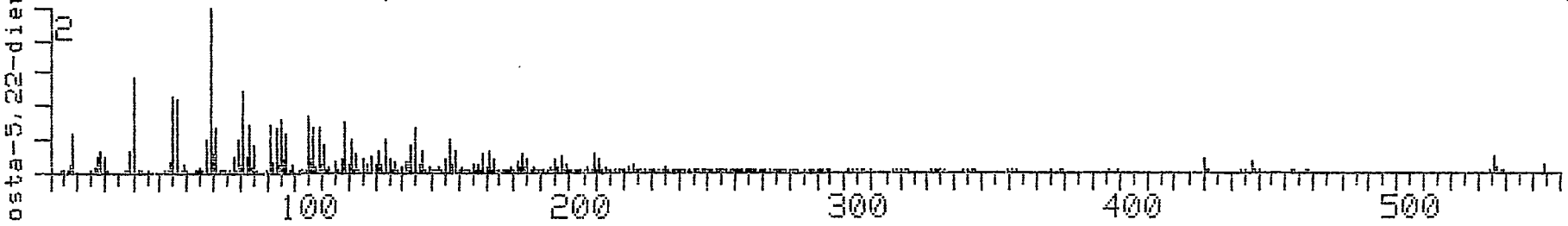
SCANS: 3030-3030 BKG * 1.00 3024



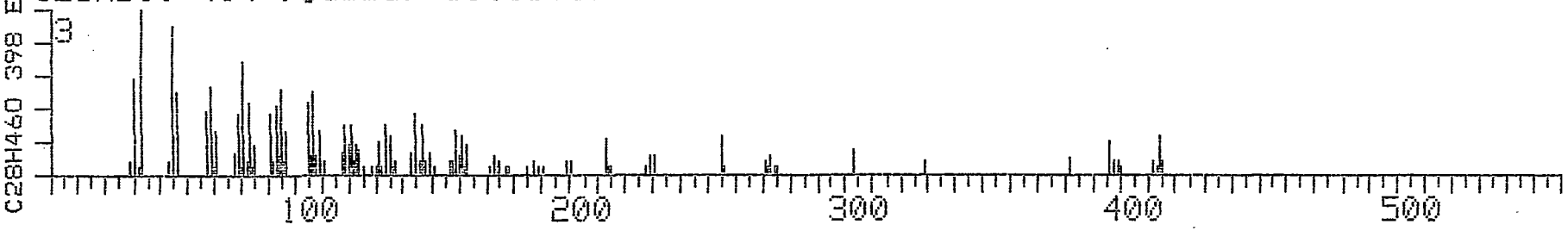
C26H3609 492 1H-Cyclopropa[3,4]benz Fit 0.570 SP#/CAS# 50612/77646-24-3



C40H580 554 Rhodopin Fit 0.538 SP#/CAS# 52000/105-92-0



C29H500 414 .gamma.-Sitosterol Fit 0.534 SP#/CAS# 47116/83-47-6



C28H460 398 Ergosta-5,22-dien-3-ol, (3.beta.,22E,24S)-

000340

NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3078
Background Scans * 1.00 3068
Retention time: 26.17 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 10002
C.A.S 2937-53-3
Fit 0.488
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 2 Spectrum 9930
C.A.S 31104-61-7
Fit 0.457
C10H20O 156 Cyclohexanol, 3-methyl-2-(1-methylethyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 3 Spectrum 9002
C.A.S 18645-10-8
Fit 0.450
C11H20 152 Bicyclo[4.1.0]heptane, 7-butyl-

Rank 4 Spectrum 9929
C.A.S 1502-05-2
Fit 0.437
C10H20O 156 Cyclodecanol

Rank 5 Spectrum 8875
C.A.S 38050-71-4
Fit 0.430
C9H17BO 152 9-Borabicyclo[3.3.1]nonane, 9-methoxy-

Rank 6 Spectrum 12291
C.A.S 85351-05-9
Fit 0.414
C11H21N 167 3-Methyldecanenitrile

Rank 7 Spectrum 6254
C.A.S 2243-27-8
Fit 0.398
C9H17N 139 Nonanenitrile

Rank 8 Spectrum 9927
C.A.S 2404-44-6
Fit 0.388
C10H20O 156 Oxirane, octyl-

Rank 9 Spectrum 9944
C.A.S 4194-71-2
Fit 0.379
C10H20O 156 2-Decen-1-ol, (Z)-

Rank 10 Spectrum 9937
C.A.S 10340-22-4
Fit 0.377
C10H20O 156 3-Decen-1-ol, (Z)-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

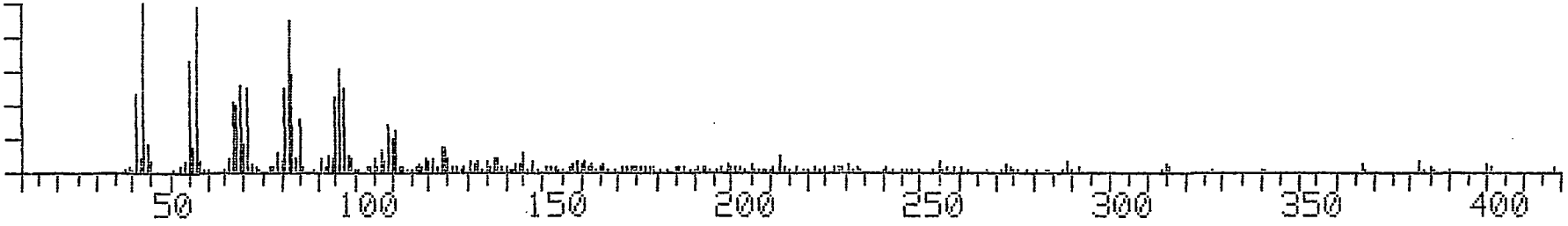
TIC = 60362

100% = 3858

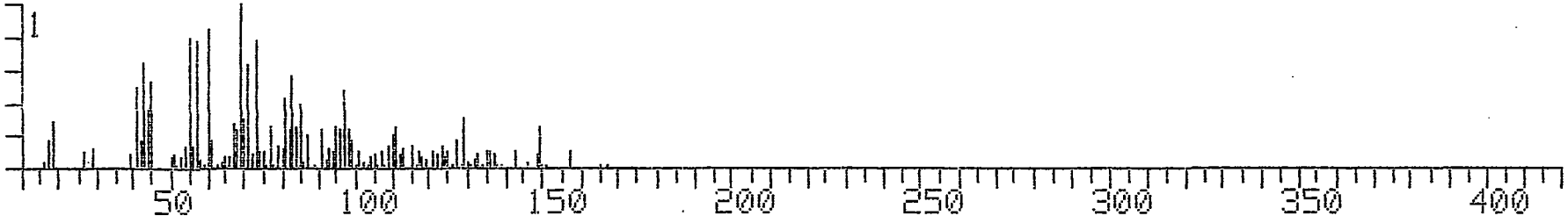
000342

UNKNOWN

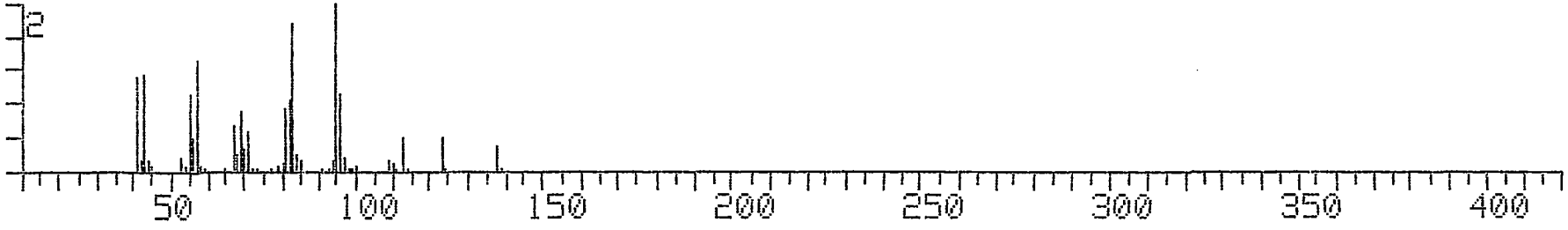
SCANS: 3078-3078 BKG * 1.00 3068



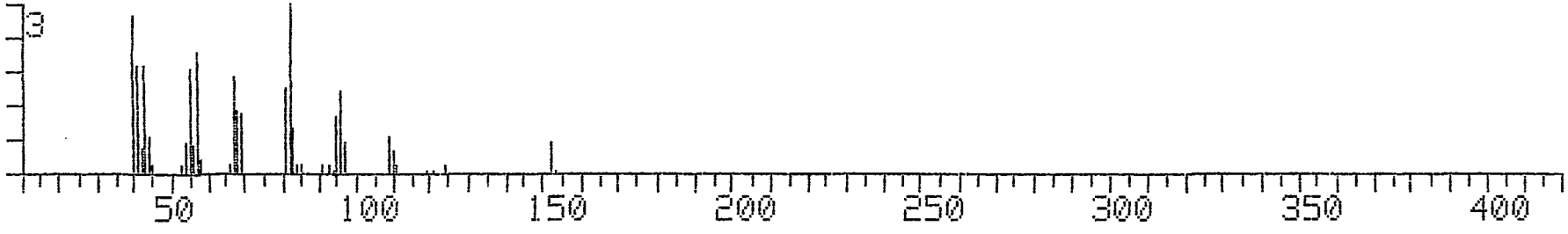
C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.488 SP#/CAS# 10002/2937-53-3



C10H20O 156 Cyclohexanol, 3-methyl- Fit 0.457 SP#/CAS# 9930/31104-61-7



C11H20 152 Bicyclo[4.1.0]heptane, 7 Fit 0.450 SP#/CAS# 9002/18645-10-8



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3101
Background Scans * 1.00 3092
Retention time: 26.35 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 46954
C.A.S 83-48-7
Fit 0.783
C29H480 412 Stigmasterol

Rank 2 Spectrum 46040
C.A.S 474-67-9
Fit 0.716
C28H460 398 Ergosta-5,22-dien-3-ol, (3.beta.,22E)-

Rank 3 Spectrum 47815
C.A.S 29782-65-8
Fit 0.692
C30H500 426 Gorgost-5-en-3-ol, (3.beta.)-

Rank 4 Spectrum 47116
C.A.S 83-47-6
Fit 0.688
C29H500 414 .gamma.-Sitosterol

Rank 5 Spectrum 46970
C.A.S 481-17-4
Fit 0.658
C29H480 412 Chondrillasterol

Rank 6 Spectrum 47789
C.A.S 10453-25-5
Fit 0.632
C30H500 426 Stigmasta-5,22-diene, 3-methoxy-, (3.beta.,22E)-

Rank 7 Spectrum 46962
C.A.S 53755-22-9
Fit 0.631
C29H480 412 Ergosta-5,22-dien-3-ol, 24-methyl-, (3.beta.,22E)-

Rank 8 Spectrum 46038
C.A.S 17472-78-5
Fit 0.622
C28H460 398 Ergosta-5,22-dien-3-ol, (3.beta.,22E,24S)-

Rank 9 Spectrum 46042
C.A.S 17608-76-3
Fit 0.622
C28H460 398 Ergosta-7,22-dien-3-ol, (3.beta.,22E)-

Rank 10 Spectrum 47820
C.A.S 53761-94-7
Fit 0.608
C30H500 426 Cyclopropa[5,6]-33-norgorgostan-3-ol, 3',6-dihydro-, (3.beta.,5.beta.,6.alpha.,22.xi.,23.xi.)-

NISTEPA Forward Library Search

TIC = 25959

Injection Date: 08-MAY-92 Time: 17:31:31

100% = 1425

Filename: SY0:EQK02

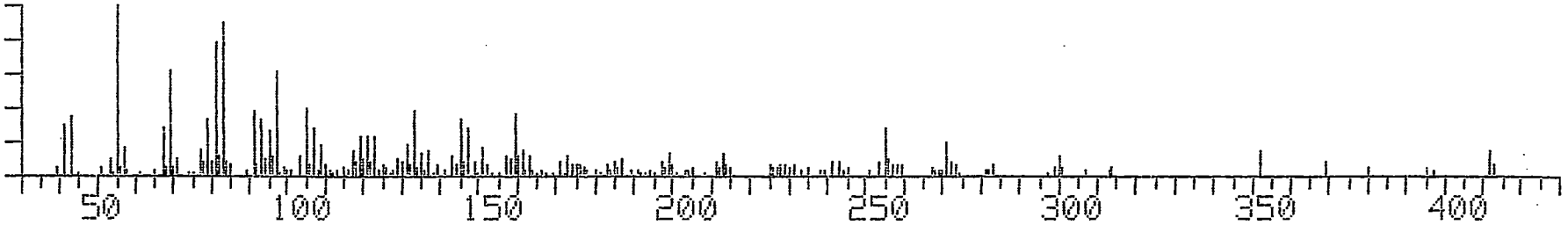
Comments:

EQK02 EXTR03

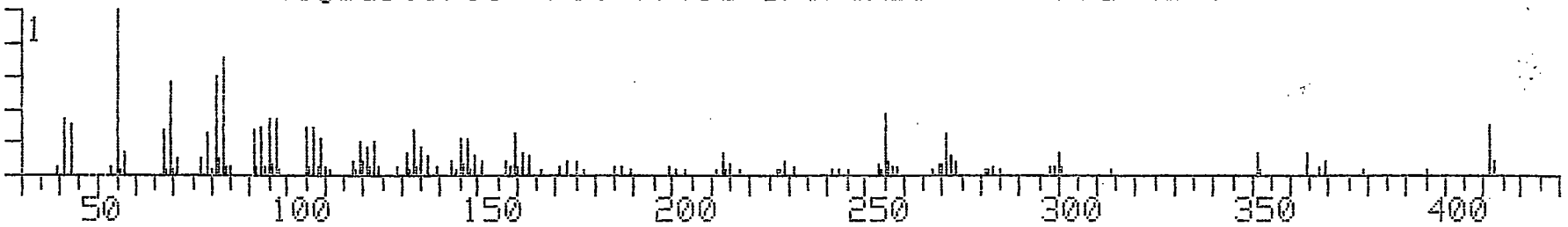
UNKNOWN

000344

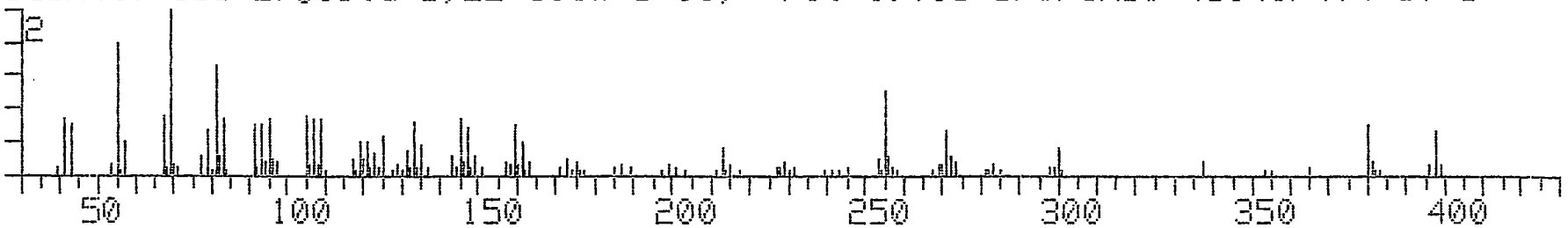
SCANS: 3101-3101 BKG * 1.00 3092



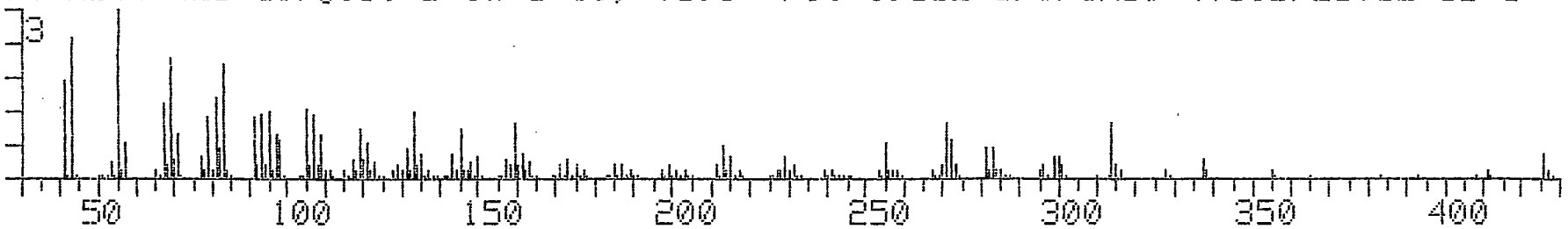
C29H480 412 Stigmasterol Fit 0.783 SP#/CAS# 46954/83-48-7



C28H460 398 Ergosta-5,22-dien-3-ol, Fit 0.716 SP#/CAS# 46040/474-67-9



C30H500 426 Gorgost-5-en-3-ol, (3.b Fit 0.692 SP#/CAS# 47815/29782-65-8



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3120
Background Scans * 1.00 3111
Retention time: 26.50 min.
Date: 08-MAY-92 Time: 17:31:31 UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 10366
C.A.S 10042-59-8
Fit 0.419
C10H22O 158 1-Heptanol, 2-propyl-

Rank 2 Spectrum 9905
C.A.S 103-44-6
Fit 0.397
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 3 Spectrum 10356
C.A.S 2370-14-1
Fit 0.397
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 4 Spectrum 9979
C.A.S 17302-23-7
Fit 0.366
C11H24 156 Nonane, 4,5-dimethyl-

Rank 5 Spectrum 9976
C.A.S 62016-18-6
Fit 0.363
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 6 Spectrum 9969
C.A.S 17302-32-8
Fit 0.353
C11H24 156 Nonane, 3,7-dimethyl-

Rank 7 Spectrum 9977
C.A.S 62016-19-7
Fit 0.339
C11H24 156 Octane, 6-ethyl-2-methyl-

Rank 8 Spectrum 6886
C.A.S 1194-44-1
Fit 0.338
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 9 Spectrum 9980
C.A.S 2884-06-2
Fit 0.337
C11H24 156 Nonane, 2,3-dimethyl-

Rank 10 Spectrum 7387
C.A.S 54004-40-9
Fit 0.334
C9H20O 144 1-Pentanol, 3-methyl-2-propyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

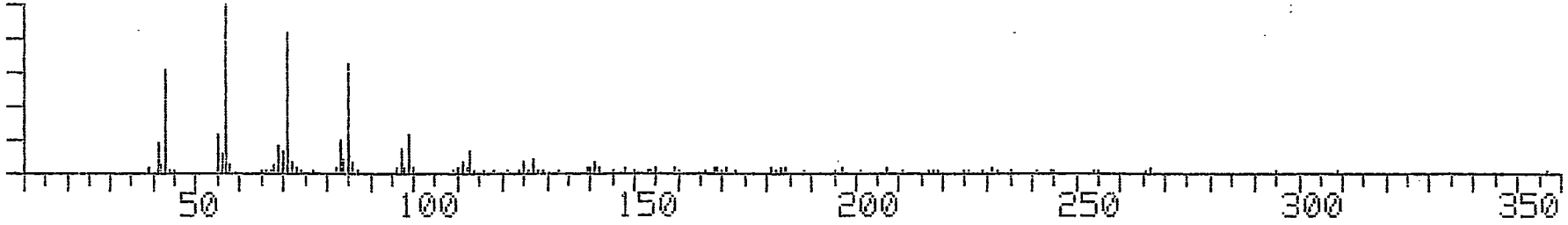
TIC = 26836

100% = 4218

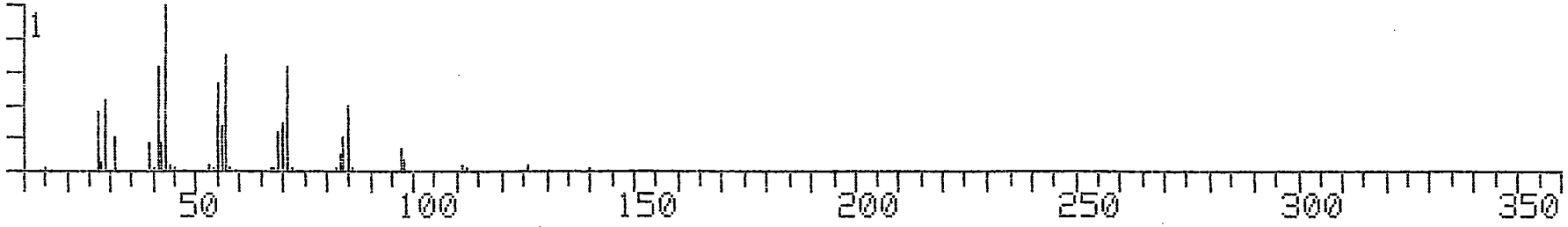
000346

UNKNOWN HYDROCARBON

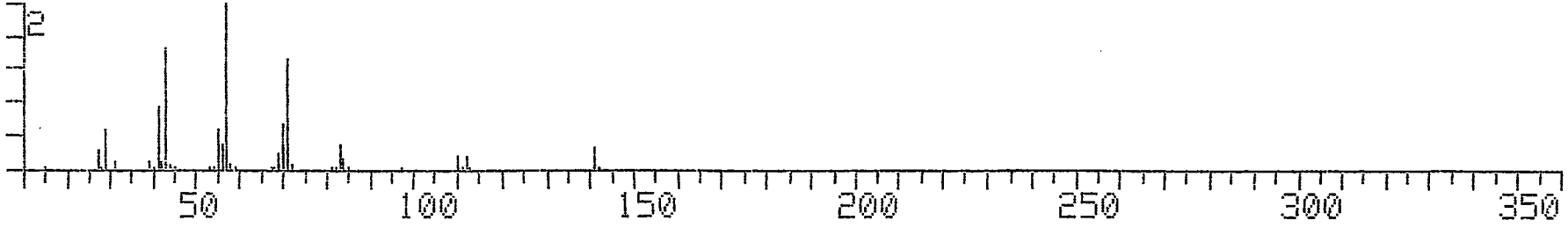
SCANS: 3120-3120 BKG * 1.00 3111



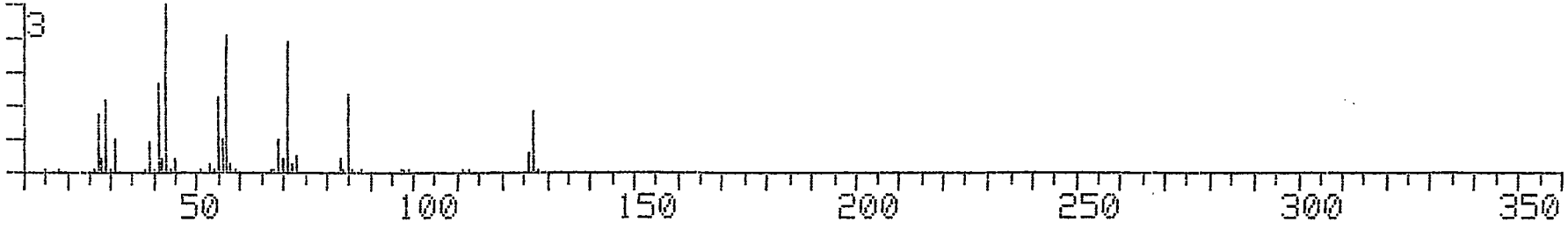
C10H22O 158 1-Heptanol, 2-propyl- Fit 0.419 SP#/CAS# 10366/10042-59-8



C10H20O 156 Heptane, 3-[(ethenyloxy Fit 0.397 SP#/CAS# 9905/103-44-6



C10H22O 158 1-Octanol, 2,2-dimethyl Fit 0.397 SP#/CAS# 10356/2370-14-1



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3130
Background Scans * 1.00 3125
Retention time: 26.58 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9540
C.A.S 13151-43-4
Fit 0.468
C11H22 154 Cyclodecane, methyl-

Rank 2 Spectrum 10002
C.A.S 2937-53-3
Fit 0.447
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 3 Spectrum 6565
C.A.S 21328-57-4
Fit 0.444
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 4 Spectrum 9538
C.A.S 821-95-4
Fit 0.419
C11H22 154 1-Undecene

Rank 5 Spectrum 6536
C.A.S 29053-04-1
Fit 0.415
C10H20 140 Cyclopentane, 1-methyl-3-(2-methylpropyl)-

Rank 6 Spectrum 9132
C.A.S 1975-78-6
Fit 0.405
C10H19N 153 Decanenitrile

Rank 7 Spectrum 12294
C.A.S 2244-07-7
Fit 0.355
C11H21N 167 Undecanenitrile

Rank 8 Spectrum 6470
C.A.S 2277-20-5
Fit 0.349
C9H16O 140 6-Nonenal, (E)-

Rank 9 Spectrum 7382
C.A.S 28473-21-4
Fit 0.348
C9H20O 144 Nonanol

Rank 10 Spectrum 9735
C.A.S 56771-77-8
Fit 0.341
C7H8O4 156 4-Hexenoic acid, 3-methyl-2,6-dioxo-

NISTEPA Forward Library Search
Injection Date: 08-MAY-92 Time: 17:31:31
Filename: SY0:EQK02
Comments:
EQK02 EXTR03

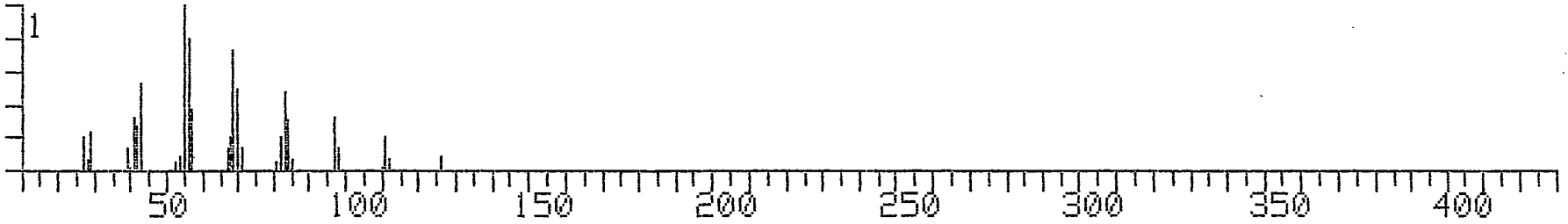
TIC = 23049
100% = 1906

000348

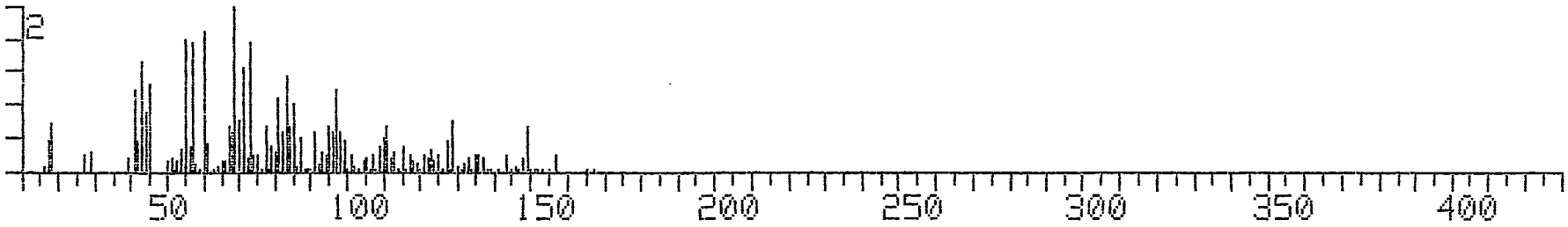
UNKNOWN HYDROCARBON

SCANS: 3130-3130 BKG * 1.00 3125

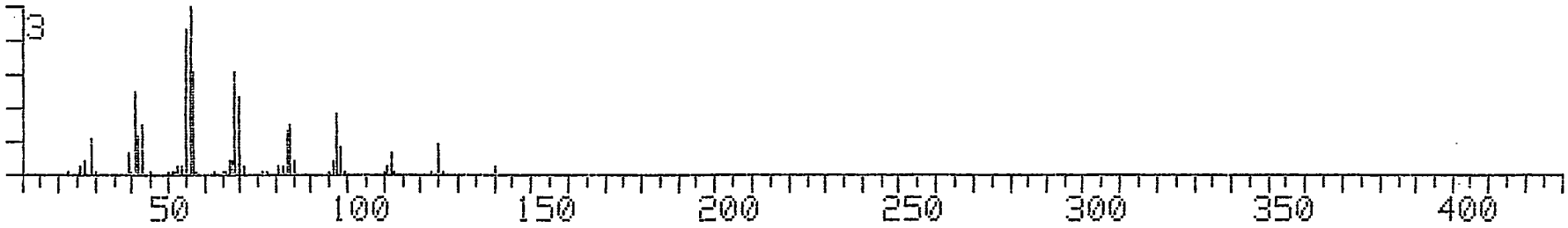
C11H22 154 Cyclodecane, methyl- Fit 0.468 SP#/CAS# 9540/13151-43-4



C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.447 SP#/CAS# 10002/2937-53-3



C10H20 140 Cyclooctane, 1,5-dimethy Fit 0.444 SP#/CAS# 6565/21328-57-4



NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3141
Background Scans * 1.00 3137
Retention time: 26.67 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 4422
C.A.S 111-13-7
Fit 0.361
C8H16O 128 2-Octanone

Rank 2 Spectrum 13108
C.A.S 112-12-9
Fit 0.357
C11H22O 170 2-Undecanone

Rank 3 Spectrum 7634
C.A.S 54063-17-1
Fit 0.334
C7H14O3 146 1,3,5-Trioxane, 2-(1,1-dimethylethyl)-

Rank 4 Spectrum 9909
C.A.S 693-54-9
Fit 0.310
C10H20O 156 2-Decanone

Rank 5 Spectrum 10303
C.A.S 25368-56-3
Fit 0.303
C9H18O2 158 2-Nonanone, 9-hydroxy-

Rank 6 Spectrum 6949
C.A.S 821-55-6
Fit 0.303
C9H18O 142 2-Nonanone

Rank 7 Spectrum 13126
C.A.S 53452-70-3
Fit 0.284
C11H22O 170 Undecanone

Rank 8 Spectrum 4411
C.A.S 53907-71-4
Fit 0.268
C8H16O 128 6-Hepten-3-ol, 4-methyl-

Rank 9 Spectrum 10637
C.A.S 30363-83-8
Fit 0.258
C8H16O3 160 Cyclohexanol, 3,5-dimethoxy-, stereoisomer

Rank 10 Spectrum 7628
C.A.S 54063-14-8
Fit 0.255
C7H14O3 146 1,3-Dioxan-5-ol, 4,4,5-trimethyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

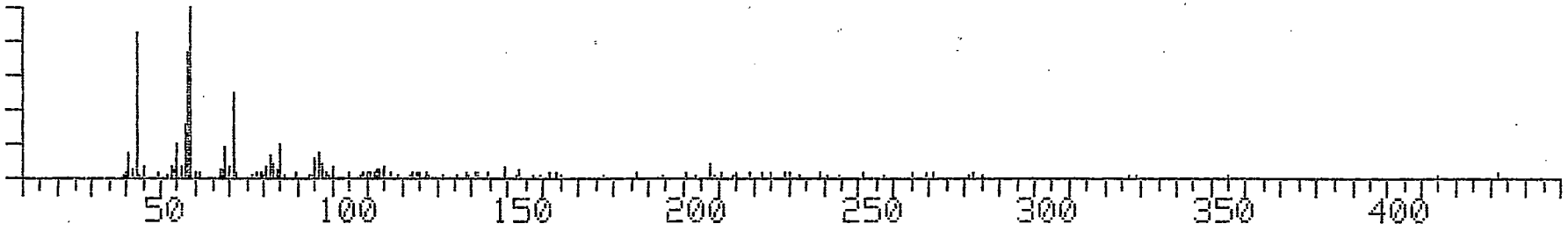
EQK02 EXTR03

TIC = 16461

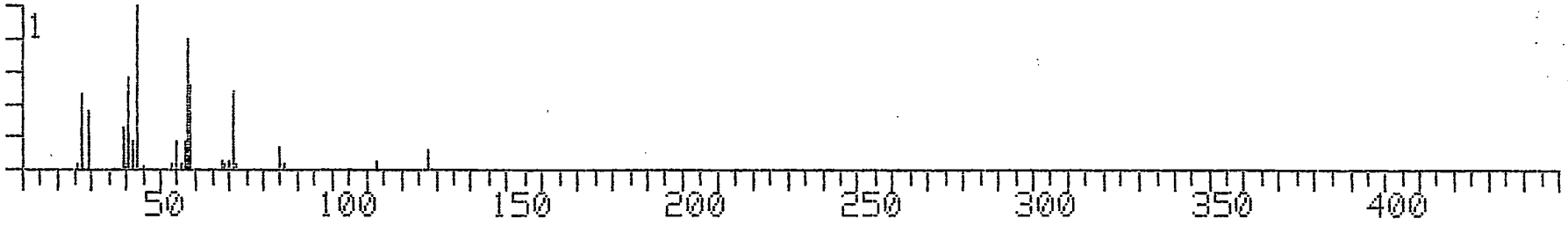
100% = 2345

UNKNOWN

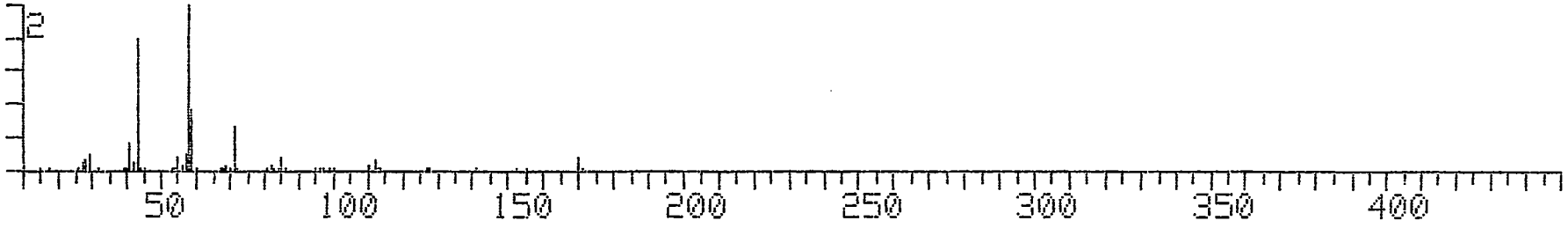
SCANS: 3141-3141 BKG * 1.00 3137



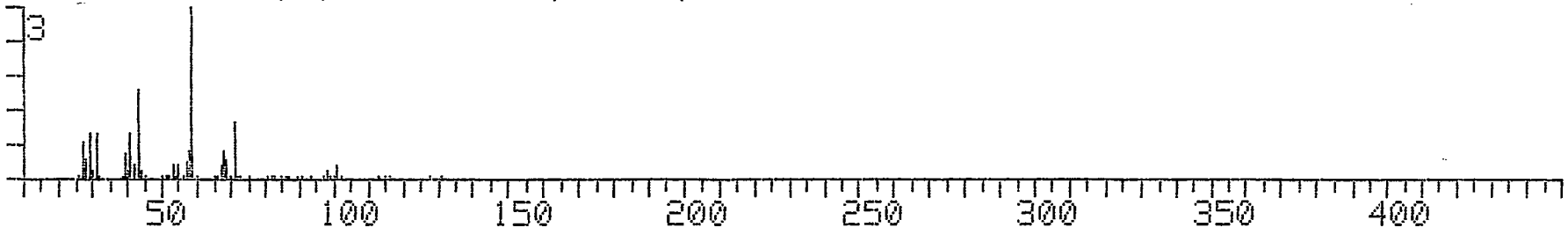
C8H16O 128 2-Octanone Fit 0.361 SP#/CAS# 4422/111-13-7



C11H22O 170 2-Undecanone Fit 0.357 SP#/CAS# 13108/112-12-9



C7H14O3 146 1,3,5-Trioxane, 2-(1,1- Fit 0.334 SP#/CAS# 7634/54063-17-1



000350

NISTEPA Library Search

File name: SYO:EQK02
Comments: EQK02 EXTR03
Scan Number: 3155
Background Scans * 1.00 3146
Retention time: 26.77 min.
Date: 08-MAY-92 Time: 17:31:31

UNKNOWN

Forward Search

Rank 1 Spectrum 46246
C.A.S 4651-51-8
Fit 0.765
C28H480 400 Ergost-5-en-3-ol, (3.beta.)-

Rank 2 Spectrum 49006
C.A.S 7144-08-3
Fit 0.739
C28H45ClO2 448 Cholest-5-en-3-ol (3.beta.)-, carbonochloridate

Rank 3 Spectrum 49004
C.A.S 516-91-6
Fit 0.694
C27H45Br 448 Cholest-5-ene, 3-bromo-, (3.beta.)-

Rank 4 Spectrum 46227
C.A.S 26047-31-4
Fit 0.689
C28H480 400 Ergost-7-en-3-ol, (3.beta.)-

Rank 5 Spectrum 46037
C.A.S 474-63-5
Fit 0.678
C28H460 398 Ergosta-5,24(28)-dien-3-ol, (3.beta.)-

Rank 6 Spectrum 50854
C.A.S 55401-91-7
Fit 0.636
C31H5005 502 30-Norlupan-28-oic acid, 3-hydroxy-21-methoxy-20-oxo-, methyl ester, (3.beta.)-

Rank 7 Spectrum 50367
C.A.S 54482-56-3
Fit 0.635
C32H5203 484 9,19-Cyclolanost-23-ene-3,25-diol, 3-acetate, (3.beta.,23E)-

Rank 8 Spectrum 46044
C.A.S 2465-11-4
Fit 0.634
C28H460 398 Ergosta-7,22-dien-3-ol, (3.beta.,5.alpha.,22E)-

Rank 9 Spectrum 46179
C.A.S 39005-15-7
Fit 0.605
C24H3205 400 Bufa-20,22-dienolide, 14,15-epoxy-3,11-dihydroxy-, (3.beta.,5.beta.,11.alpha.,15.beta.)-

Rank 10 Spectrum 46228
C.A.S 1912-66-9
Fit 0.598
C28H480 400 9,19-Cyclocholestan-3-ol, 14-methyl-, (3.beta.,5.alpha.)-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 17:31:31

Filename: SY0:EQK02

Comments:

EQK02 EXTR03

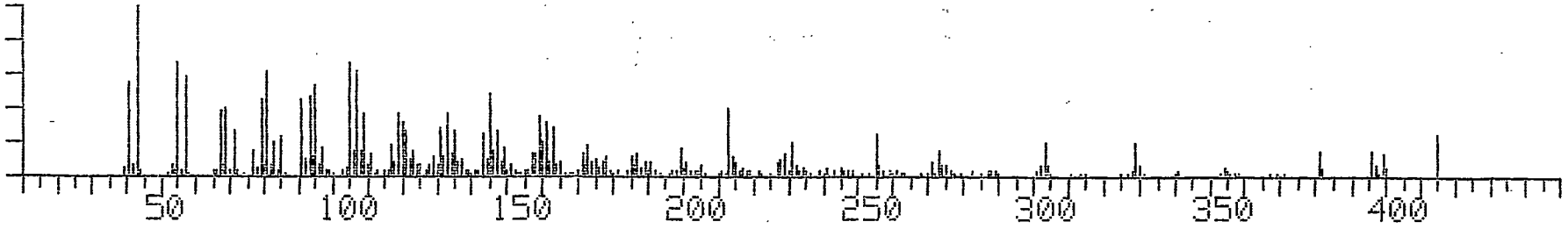
TIC = 107494

100% = 4681

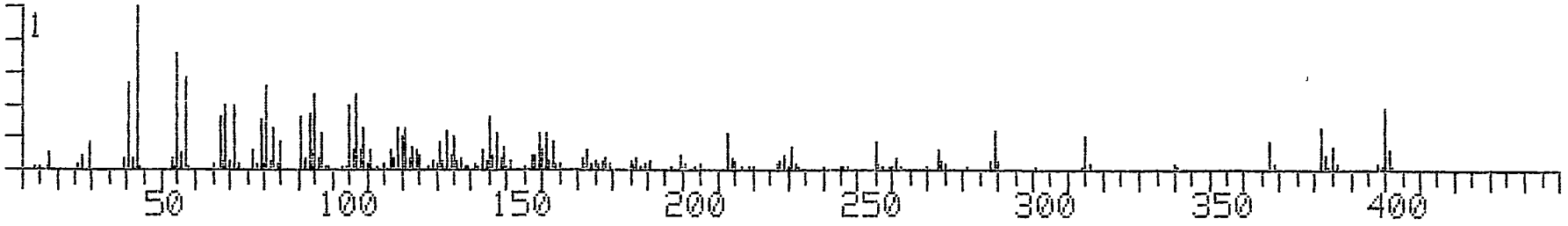
000352

UNKNOWN

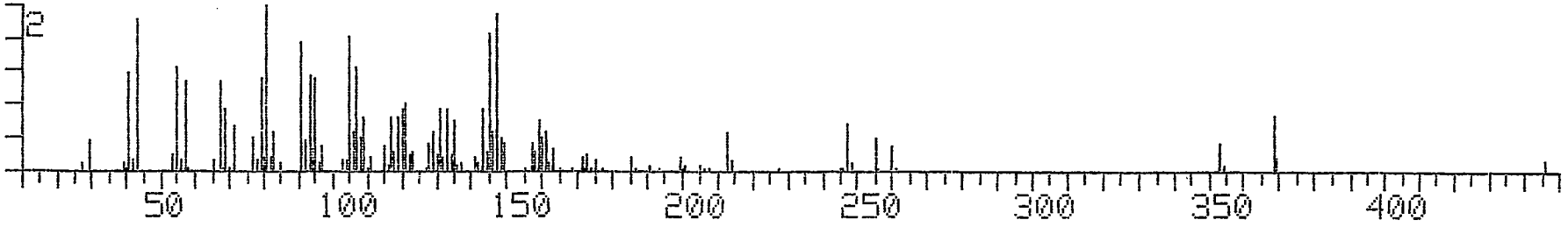
SCANS: 3155-3155 BKG * 1.00 3146



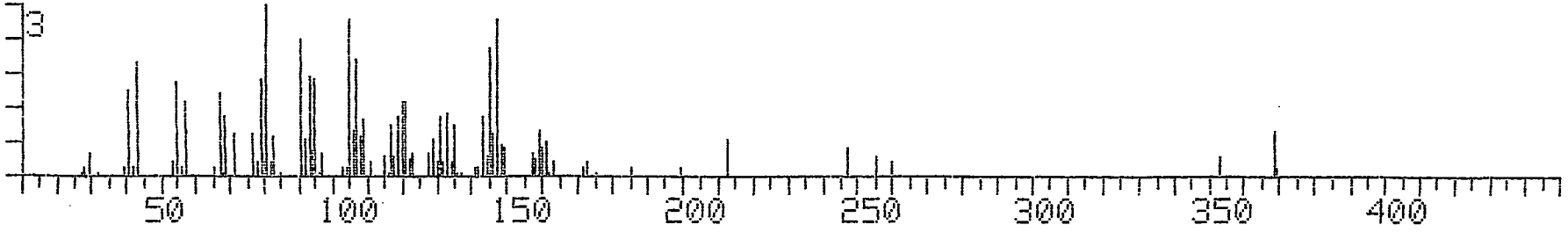
C28H48O 400 Ergost-5-en-3-ol, (3.be Fit 0.765 SP#/CAS# 46246/4651-51-8



C28H45ClO2 448 Cholest-5-en-3-ol (3 Fit 0.739 SP#/CAS# 49006/7144-08-3



C27H45Br 448 Cholest-5-ene, 3-bromo Fit 0.694 SP#/CAS# 49004/516-91-6



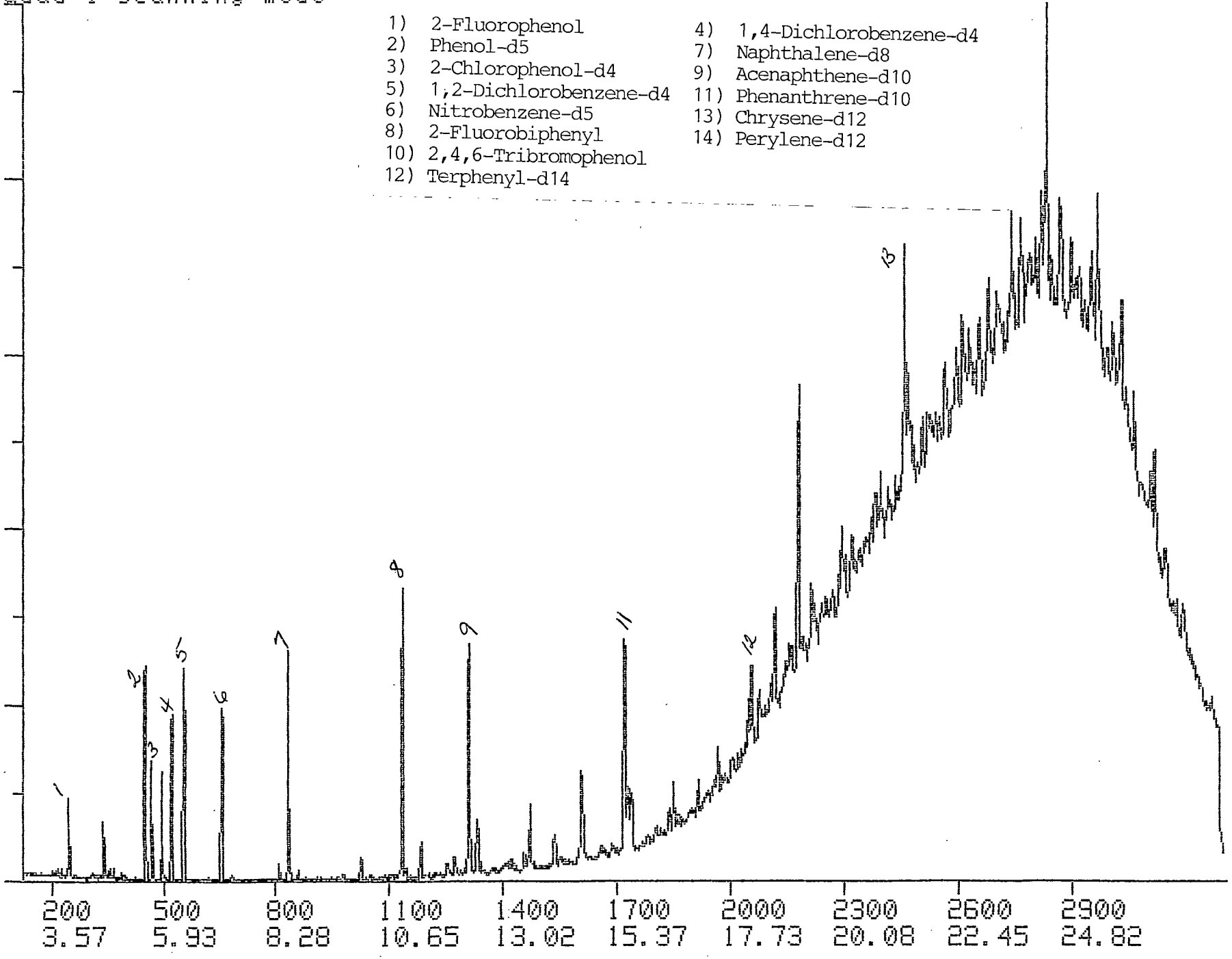
SY0:EQK08 EQK08 EXTR03 100%
07-MAY-92 16:42:06 231769
Total Ion Current
Quad 1 scanning mode

Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12



000356

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS OK
EXTREL3 OP= JB	INITIAL AMT. = 30g	SURR REC. 'S out
DUO: [301,3]	EXT VOL. = .5mL	DILUTION= 5T

Library used: SYO:CLP90
Data file name: SYO:EQK08
Injection time: 07-MAY-92 16:42:06
Comments:
EQK08 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	520					STD	0.96	40.0	NG
2S	8.57	835					STD	1.00	40.0	NG
3S	12.32	1311					STD	1.00	40.0	NG
4S	15.53	1720					STD	0.96	40.0	NG
5S	21.35	2461					STD	0.88	40.0	NG
6S	24.28	2833					STD	1.00	40.0	NG
1T	Was Not Found									
2T	Was Not Found									
3T	Was Not Found									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	Was Not Found									
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
19T	~~8.62~~	~~841~~	~~128. / 136.~~	~~1787. /~~	~~111935.~~	~~2~~	~~0.70~~	~~0.7~~	~~NG~~
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found									
23T	Is Below Specified Detection Limit									
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	~~12.32~~	~~1311~~	~~165. / 164.~~	~~8578. /~~	~~63233.~~	~~3~~	~~0.50~~	~~26.1~~	~~NG~~
32T	Was Not Found									
33T	Was Not Found									
34T	Was Not Found									
35T	Was Not Found									
36T	~~12.75~~	~~1368~~	~~168. / 164.~~	~~1693. /~~	~~63233.~~	~~3~~	~~0.81~~	~~0.8~~	~~NG~~
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	~~13.50~~	~~1463~~	~~166. / 164.~~	~~1173. /~~	~~63233.~~	~~3~~	~~0.60~~	~~0.7~~	~~NG~~
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	15.57	1726	178. / 188.	19797. /	113963.	4	0.92	7.8	NG
48T	15.68	1740	178. / 188.	4322. /	113963.	4	0.88	1.8	NG
49T	16.10	1793	167. / 188.	2148. /	113963.	4	0.67	1.1	NG
50T	17.07	1916	149. / 188.	23833. /	113963.	4	0.88	8.9	NG

TH 6/3/92

EXTREL 3

51T	18.18	2057	202. / 188.	40253. /	113963.	4	1.00	16.8	NG
52T	18.67	2118	202. / 240.	38963. /	116181.	5	1.00	11.4	NG
53T	Was Not Found								
54T	Was Not Found								
55T	21.~~57~~33	24~~87~~ 59	228. / 240.	27332 ~~1539.~~ /	116181.	5	0.71	~~0.5~~	NG 8.4
56T	21.42	2468	228. / 240.	32384. /	116181.	5	0.90	12.7	NG
57T	Was Not Found								
58T	Was Not Found								
59T	23.57	2741	252. / 264.	57428. /	136288.	6	1.00	15.2	NG
60T	23.62	2748	252. / 264.	16568. /	136288.	6	0.75	5.4	NG
61T	24.17	2818	252. / 264.	29419. /	136288.	6	0.83	8.9	NG
62T	26.12	3065	276. / 264.	27866. /	136288.	6	0.85	8.5	NG
63T	Was Not Found	26.15	3071	6288 /	1				2.0
64T	26.55	3121	276. / 264.	27861. /	136288.	6	0.89	8.4	NG
65T	7.15	655	82. / 136.	56896. /	111935.	2	0.87	62.3	NG
66T	10.93	1137	172. / 164.	107161. /	63233.	3	1.00	68.2	NG
67T	19.15	2181	244. / 240.	134674. /	116181.	5	1.00	66.4	NG
68T	5.53	449	99. / 152.	74093. /	24359.	1	0.85	68.4	NG
69T	3.92	245	112. / 152.	17031. /	24359.	1	0.96	21.1	NG
70T	Was Not Found								
71T	5.67	467	132. / 152.	27836. /	24359.	1	0.83	41.4	NG
72T	6.35	554	152. / 152.	28856. /	24359.	1	0.92	59.6	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
~~79T~~	~~11.12~~	~~1160~~	~~154. / 164.~~	~~913. /~~	~~63233.~~	~~3~~	~~0.60~~	~~122.9~~	~~NG~~
80T	Was Not Found								
81T	6.08	519	152. / 152.	24359. /	24359.	1	0.92	50.0	NG
82T	8.57	835	136. / 136.	111935. /	111935.	2	1.00	50.0	NG
83T	12.32	1311	164. / 164.	63233. /	63233.	3	0.90	50.0	NG
84T	15.53	1720	188. / 188.	113963. /	113963.	4	0.96	50.0	NG
85T	21.35	2461	240. / 240.	~~116340~~. /	116181.	5	0.88	50.1	NG
86T	24.28	2833	264. / 264.	136288. /	136288.	6	1.00	50.0	NG

Crossouts
5/15/92

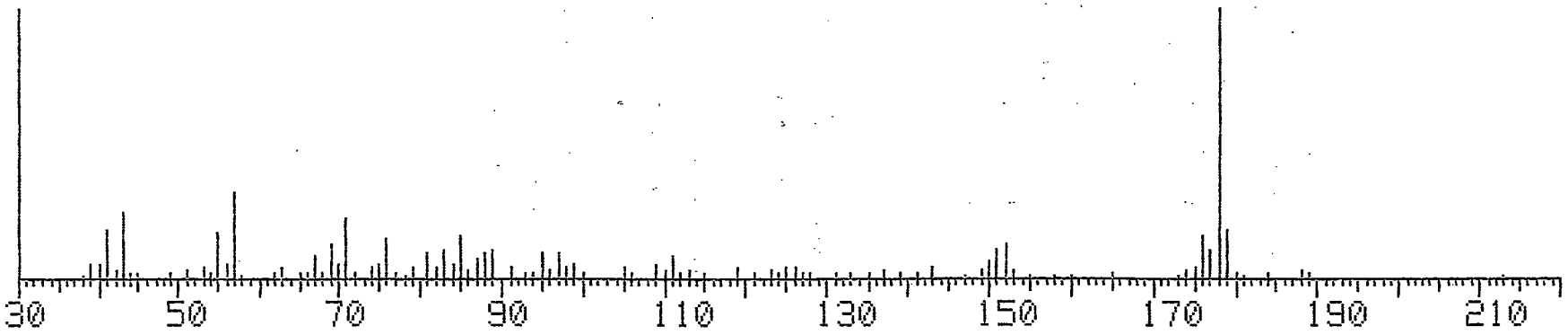
Extended Quantitation Report

EXTREL 3

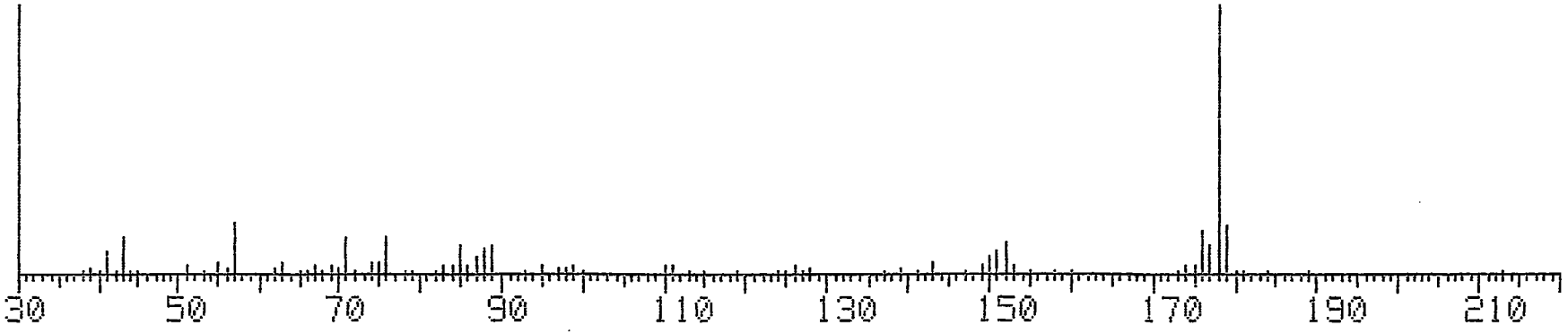
Library used: SYO:CLP90
Data file name: SYO:EQK08
Injection time: 07-MAY-92 16:42:06

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
19T	1.006	128. / 136.	0.920	0.7	IA BB RF			1.00
31T	1.000	165. / 164.	0.208	26.1	IA VB RF			1.00
36T	1.035	168. / 164.	1.410	0.8	IA VB RF			1.00
40T	1.096	166. / 164.	1.067	0.7	IA BB RF			1.00
47T	1.003	178. / 188.	0.888	7.8	IA BV RF			1.00
48T	1.010	178. / 188.	0.860	1.8	IA VV RF			1.00
49T	1.037	167. / 188.	0.710	1.1	IA BV RF			1.00
50T	1.099	149. / 188.	0.942	8.9	IA VB RF			1.00
51T	1.171	202. / 188.	0.840	16.8	IA VV RF			1.00
52T	0.874	202. / 240.	1.180	11.4	IA VV RF			1.00
55T	1.010	228. / 240.	1.117	0.5	IA VV RF			1.00
56T	1.003	228. / 240.	0.880	12.7	IA VV RF			1.00
59T	0.971	252. / 264.	1.111	15.2	IA VV RF			1.00
60T	0.973	252. / 264.	0.898	5.4	IA VV RF			1.00
61T	0.995	252. / 264.	0.973	8.9	IA VV RF			1.00
62T	1.076	276. / 264.	0.960	8.5	IA VV RF			1.00
64T	1.093	276. / 264.	0.973	8.4	IA VV RF			1.00
65T	0.834	82. / 136.	0.327	62.3	IA BB RF			1.00
66T	0.887	172. / 164.	0.994	68.2	IA BB RF			1.00
67T	0.897	244. / 240.	0.698	66.4	IA BV RF			1.00
68T	0.910	99. / 152.	1.779	68.4	IA BV RF			1.00
69T	0.645	112. / 152.	1.323	21.1	IA BB RF			1.00
71T	0.933	132. / 152.	1.104	41.4	IA BB RF			1.00
72T	1.044	152. / 152.	0.795	59.6	IA VB RF			1.00
79T	0.903	154. / 164.	0.005	122.9	IA BB RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA BV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.1	IA VV RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA VV RF			1.00

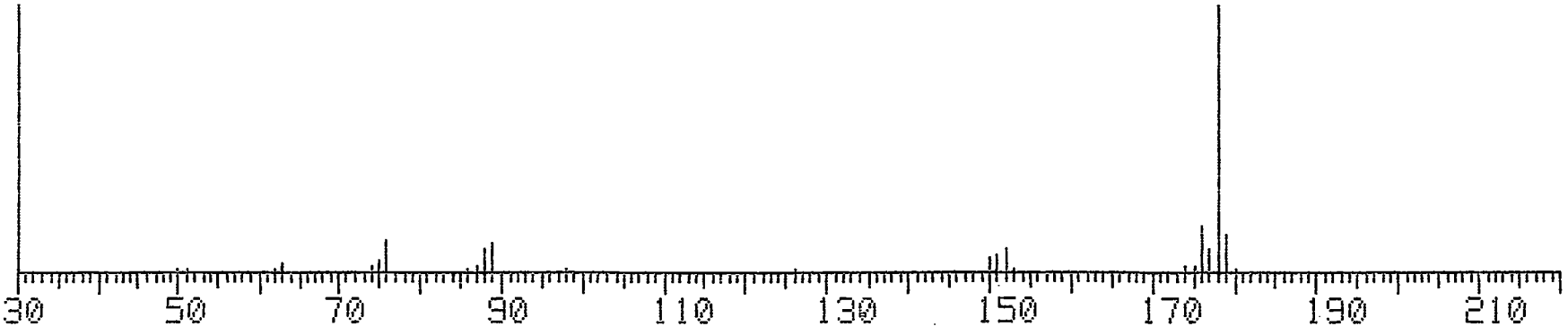
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1726 Time 15.57 min. 23062
100 % = 3974



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1726 Time 15.57 min. 15472
Bkg scan = 1709 100 % = 3974

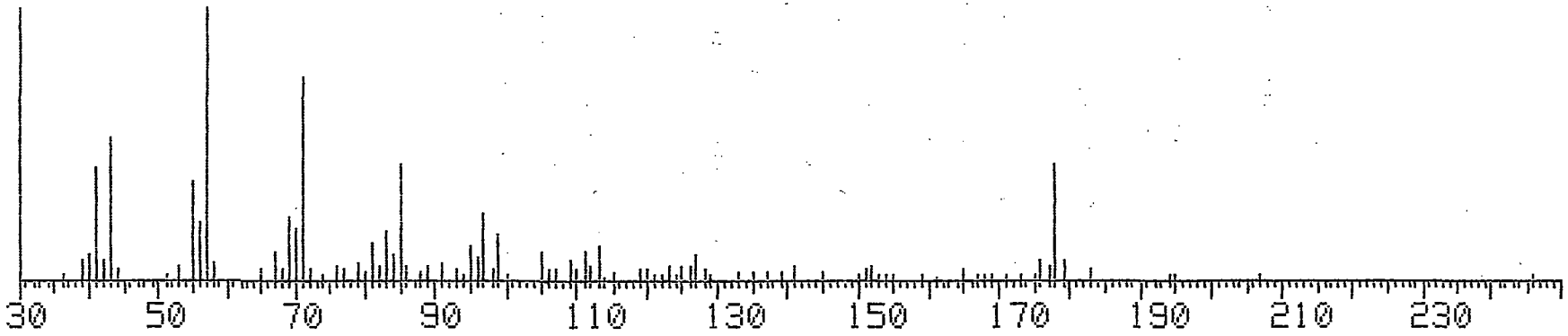


Standard Reference Spectrum: Phenanthrene

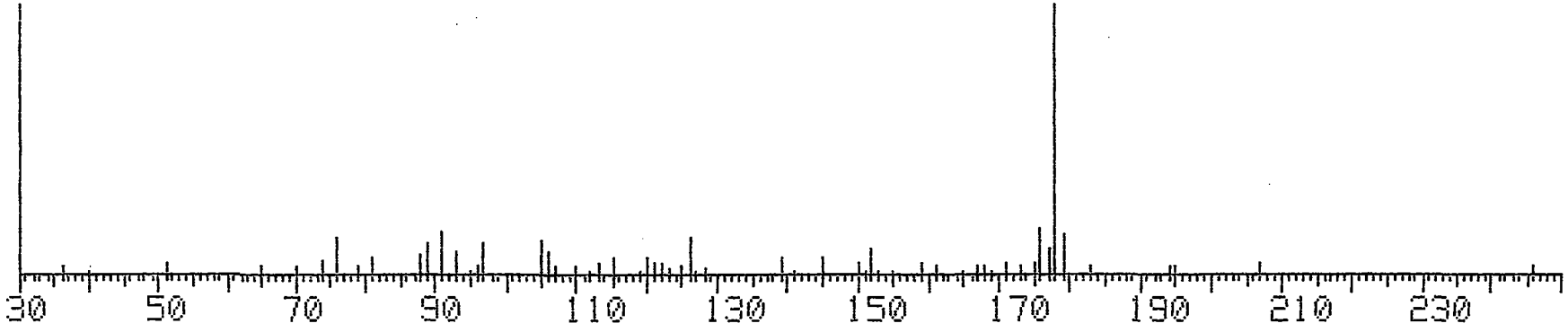


000362

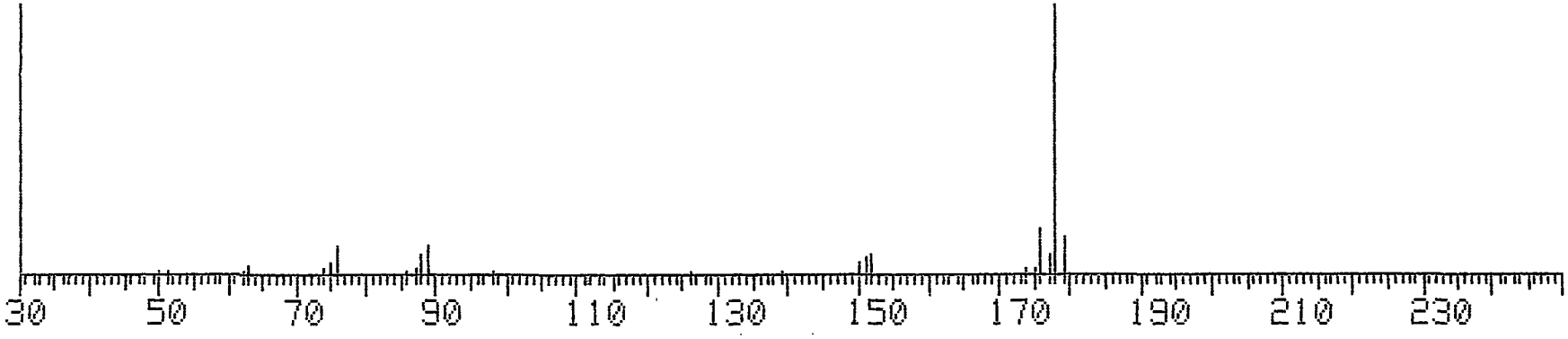
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1740 Time 15.68 min. 20265
100 % = 945



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1740 Time 15.68 min. 3673
Bkg scan = 1732 100 % = 945

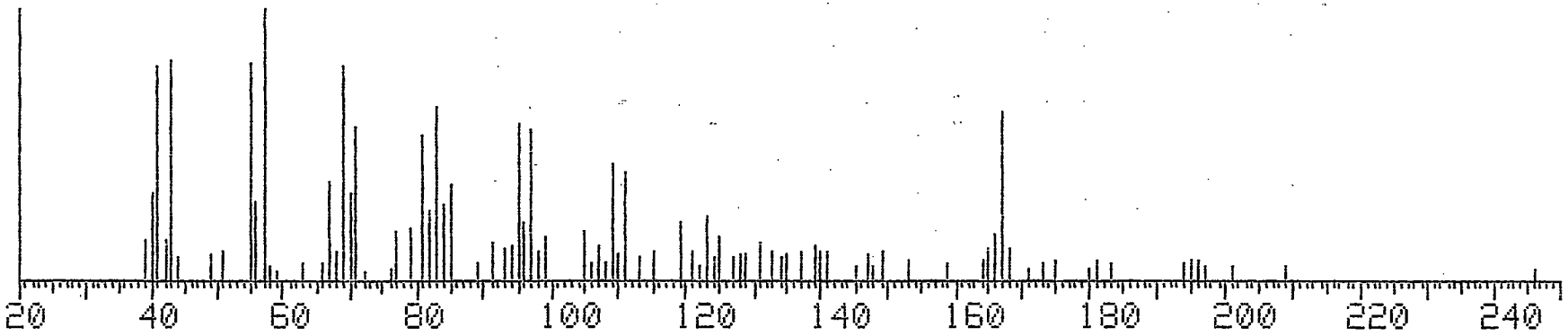


Standard Reference Spectrum: Anthracene

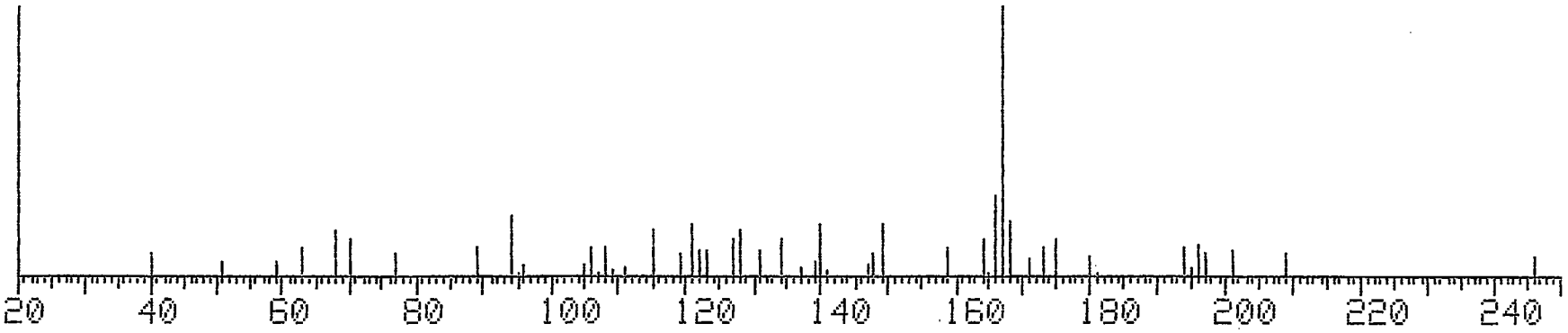


000363

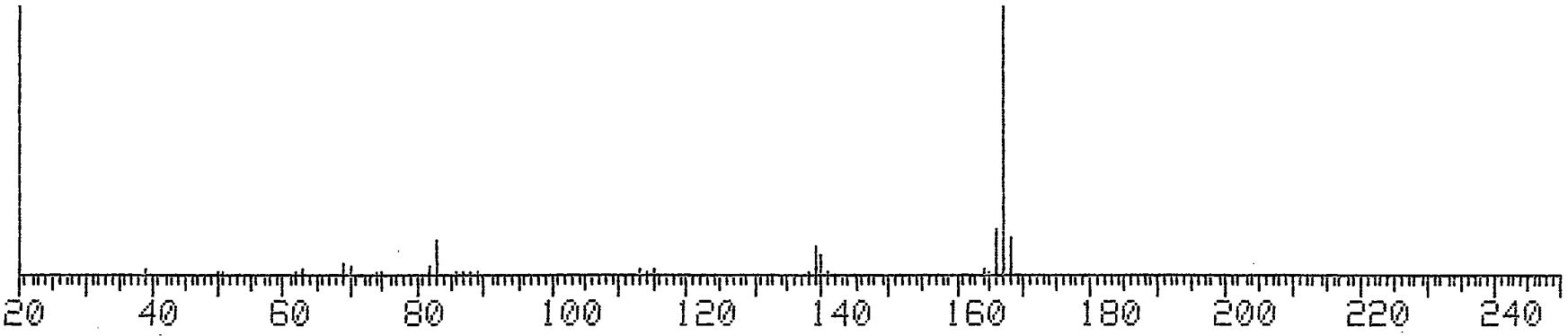
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1793 Time 16.10 min. 10855
100 % = 360



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1793 Time 16.10 min. 2131
Bkg scan = 1779 100 % = 360

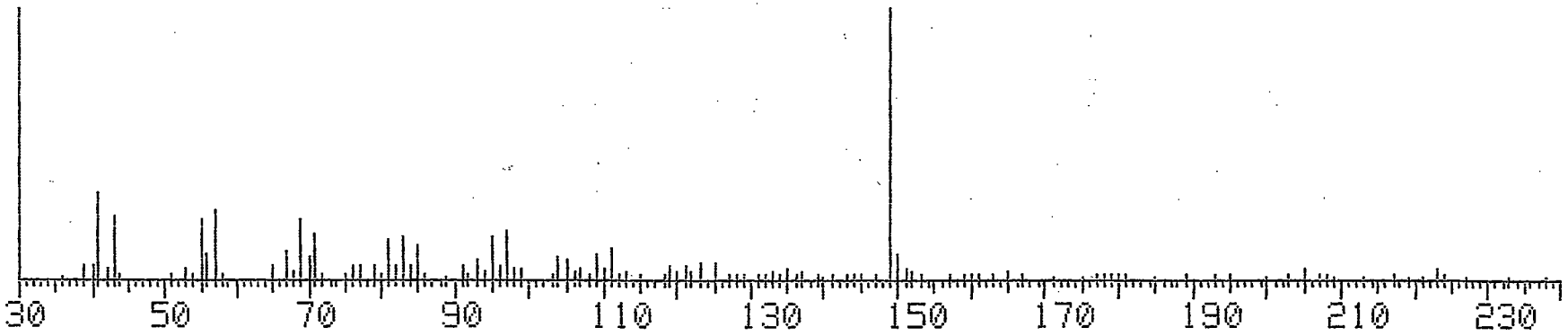


Standard Reference Spectrum: Carbazole

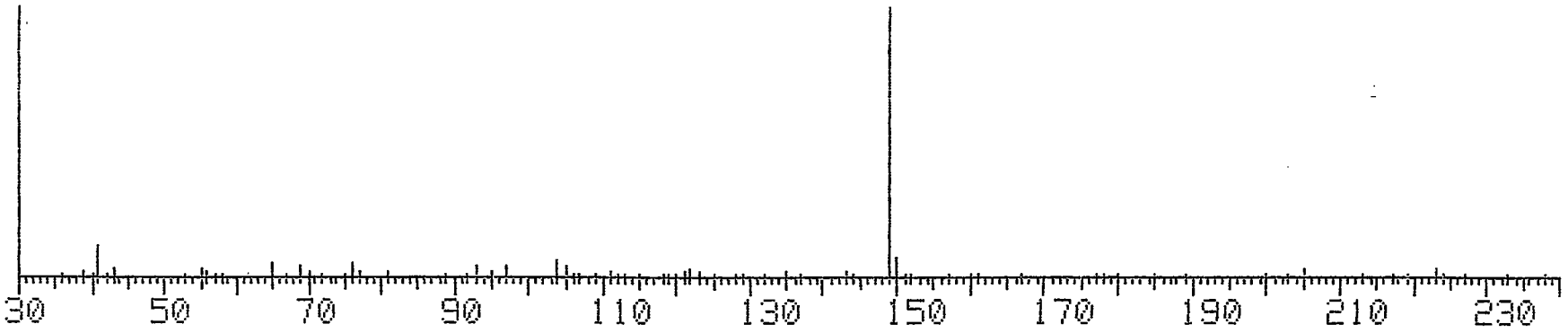


000364

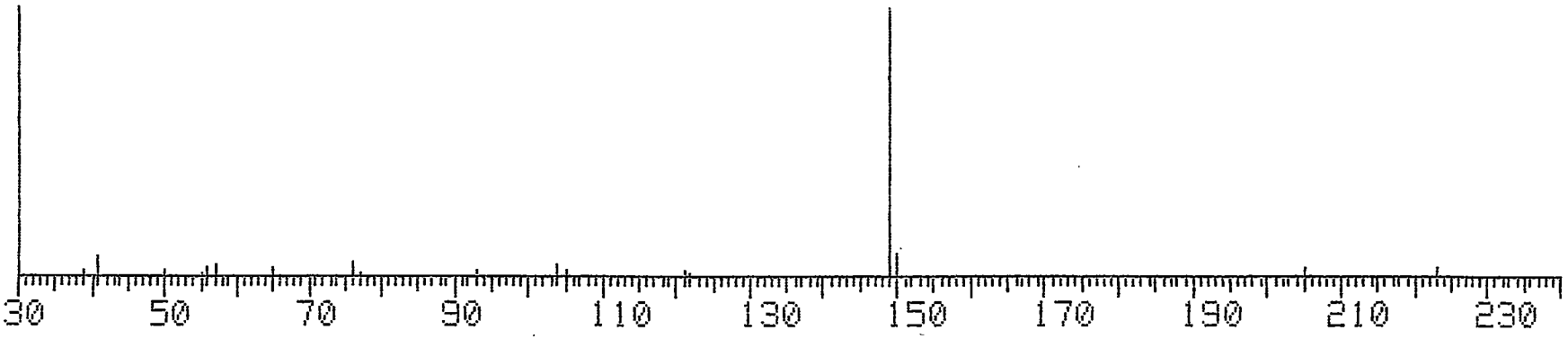
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1916 Time 17.07 min. 26832
100 % = 4310



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 1916 Time 17.07 min. 9867
Bkg scan = 1903 100 % = 4310

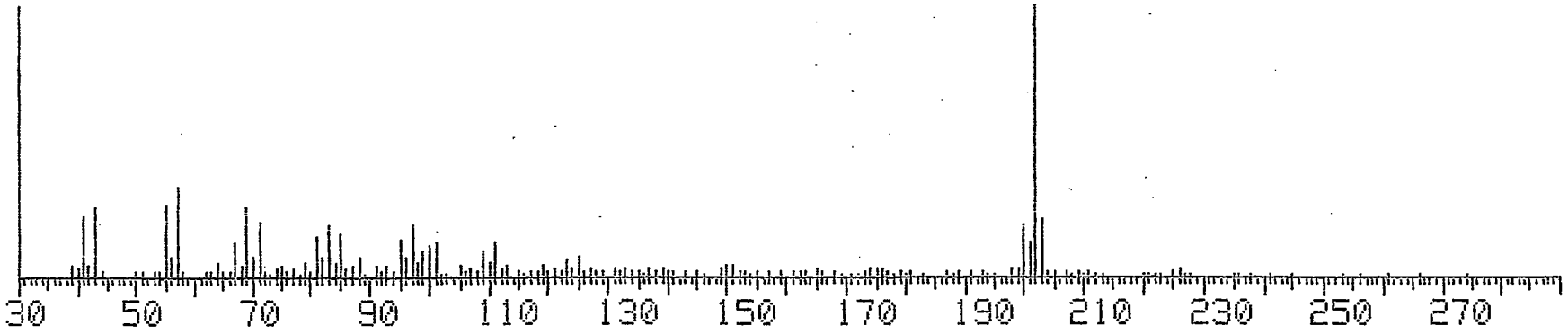


Standard Reference Spectrum: Di-n-butylphthalate

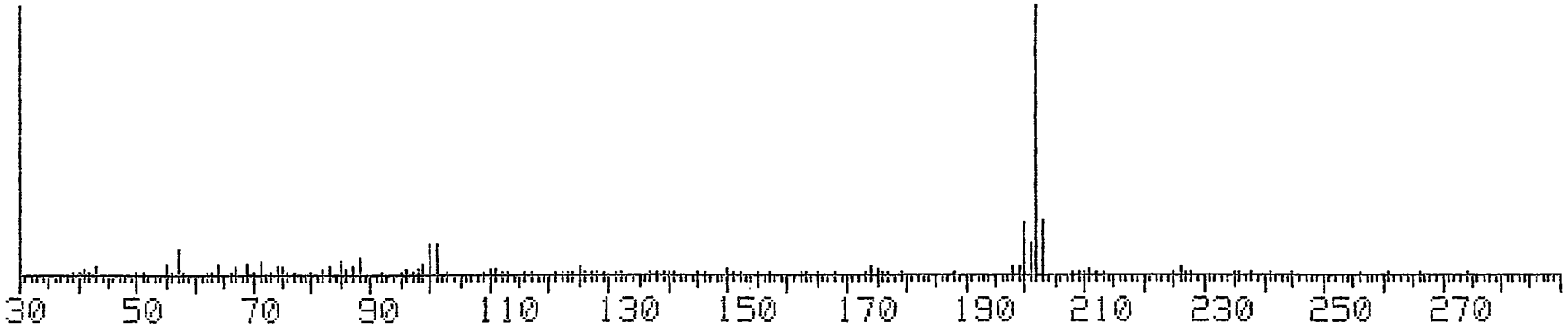


000365

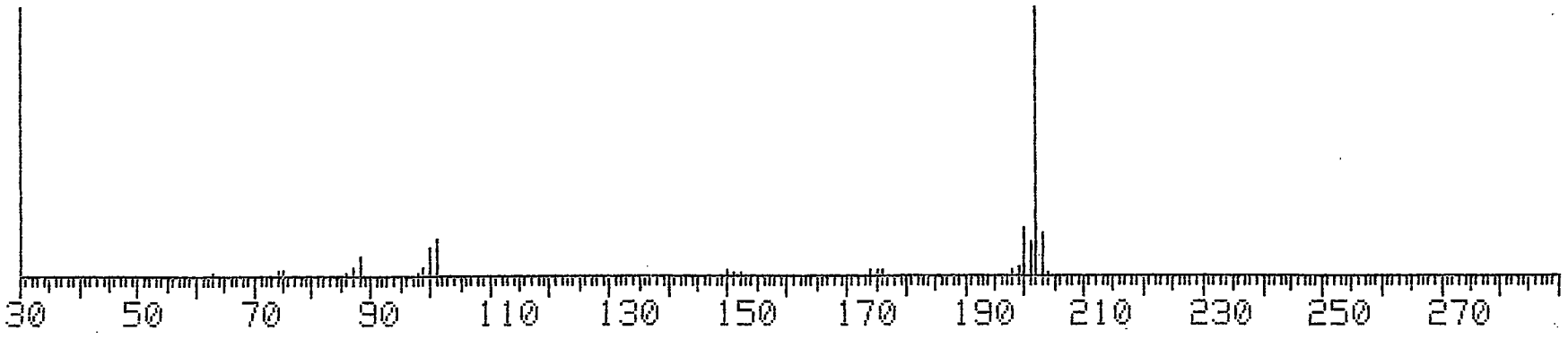
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2057 Time 18.18 min. 56397
100 % = 7653



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2057 Time 18.18 min. 25043
Bkg scan = 2033 100 % = 7653

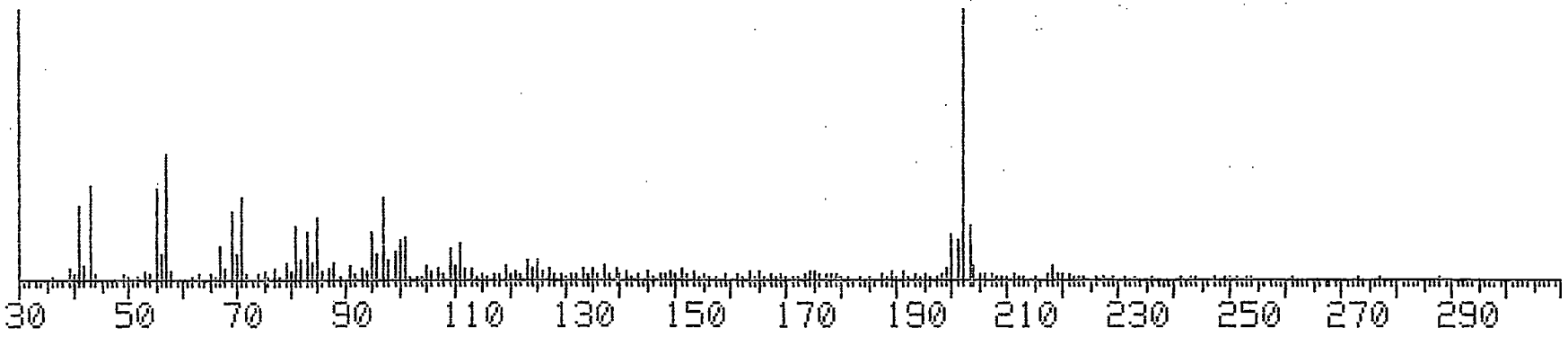


Standard Reference Spectrum: Fluoranthene

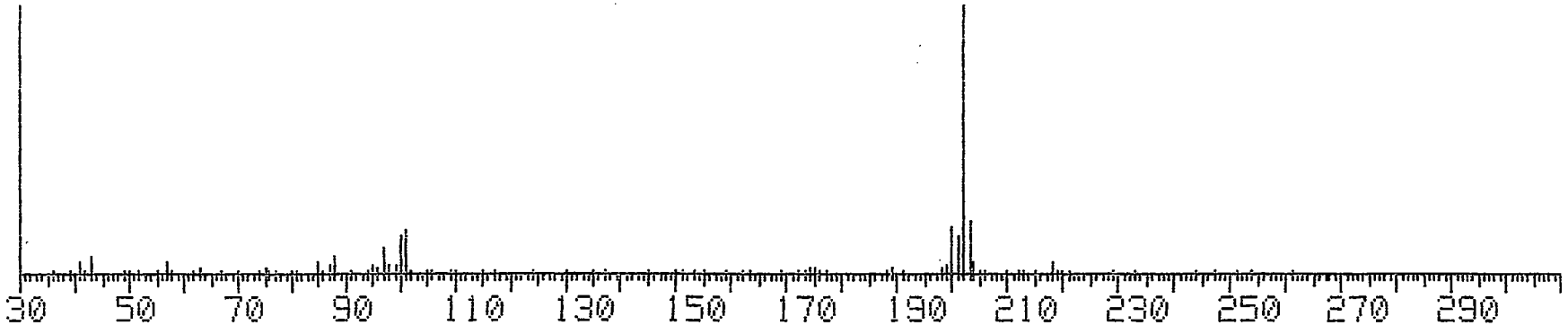


000366

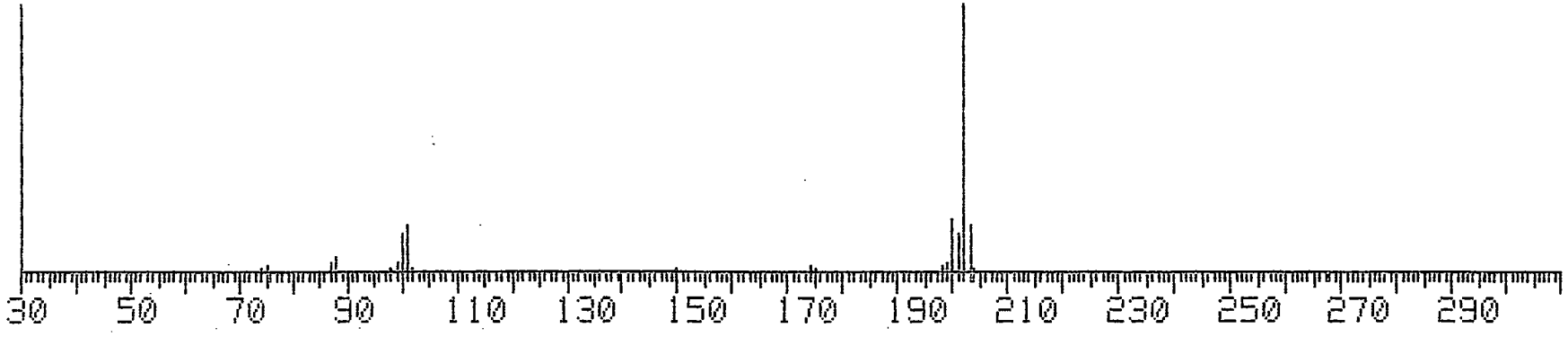
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2118 Time 18.67 min. 71601
100 % = 8145



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2118 Time 18.67 min. 24794
BKg scan = 2105 100 % = 8145

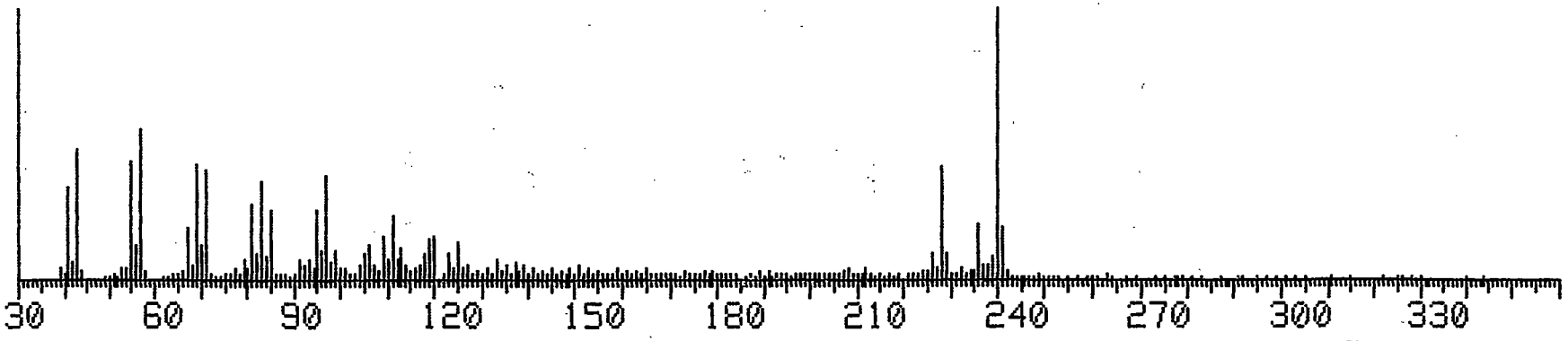


Standard Reference Spectrum: Pyrene

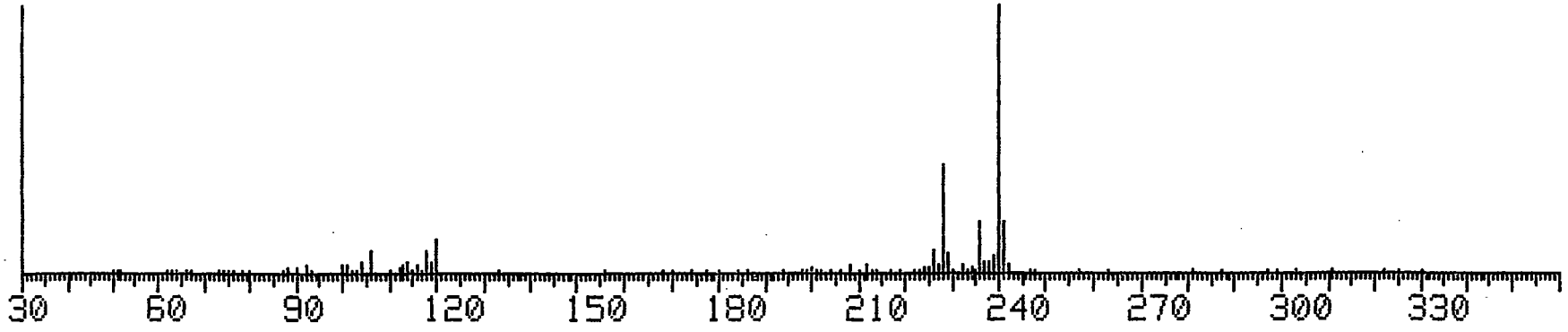


000367

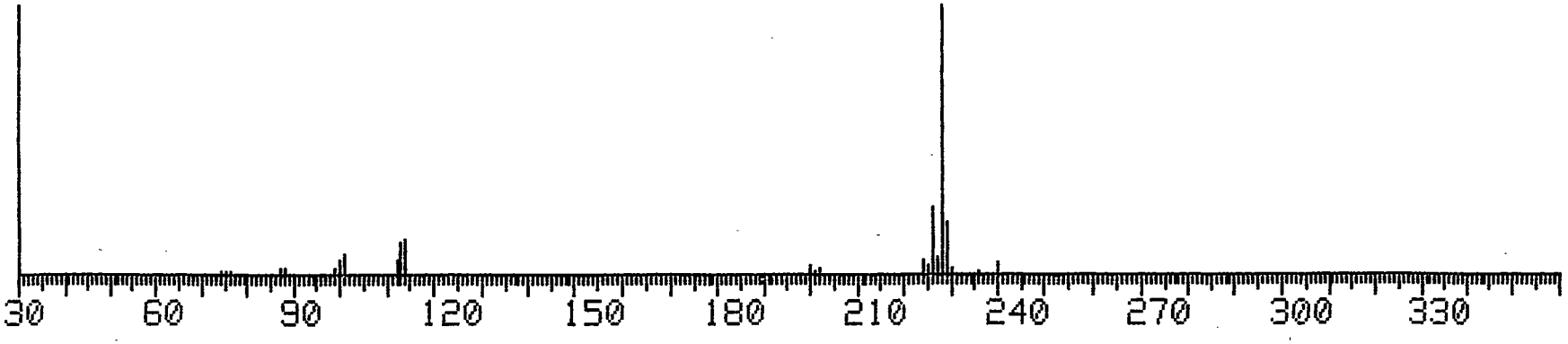
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2459 Time 21.33 min. 139338
100 % = 11040



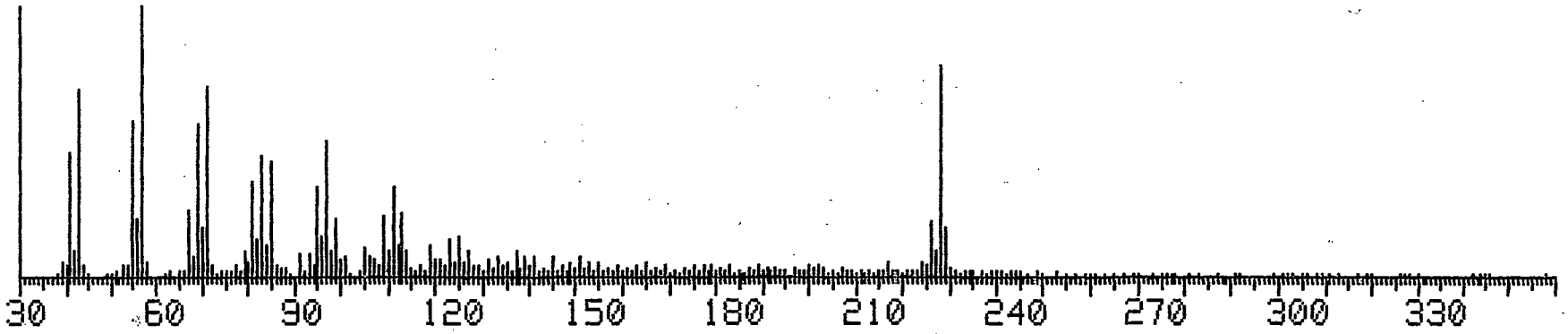
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2459 Time 21.33 min. 38375
Bkg scan = 2483 100 % = 11040



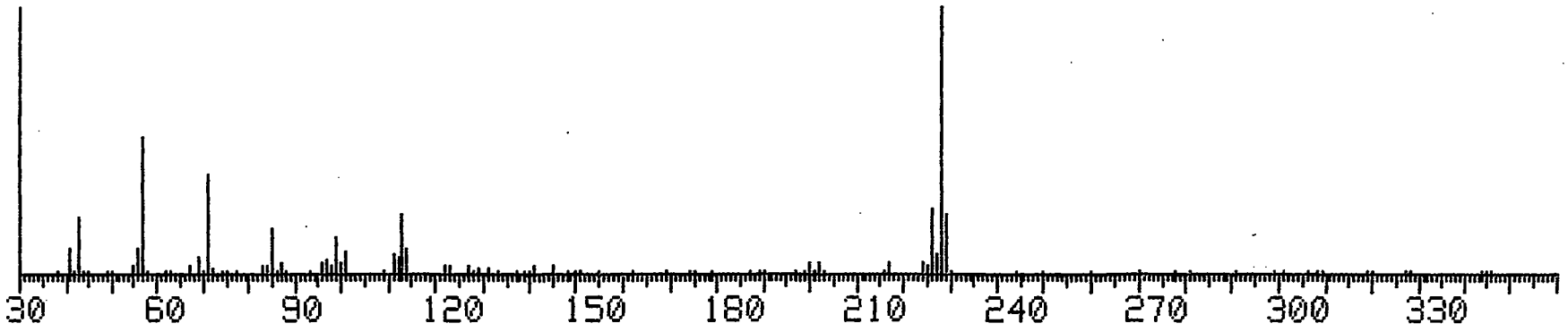
Standard Reference Spectrum: Benzo(a)anthracene



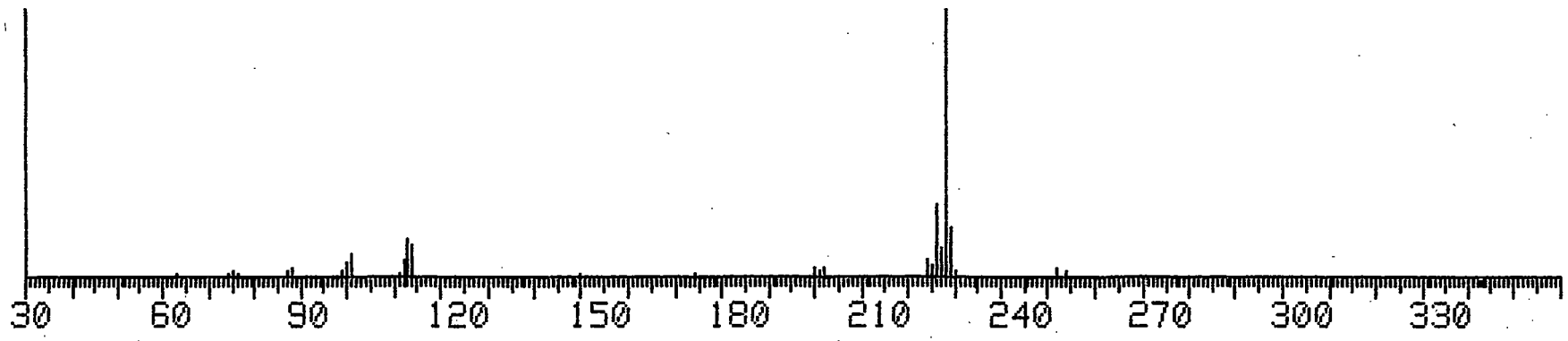
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2468 Time 21.42 min. 133988
100 % = 5120



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2468 Time 21.42 min. 26076
Bkg scan = 2463 100 % = 5120



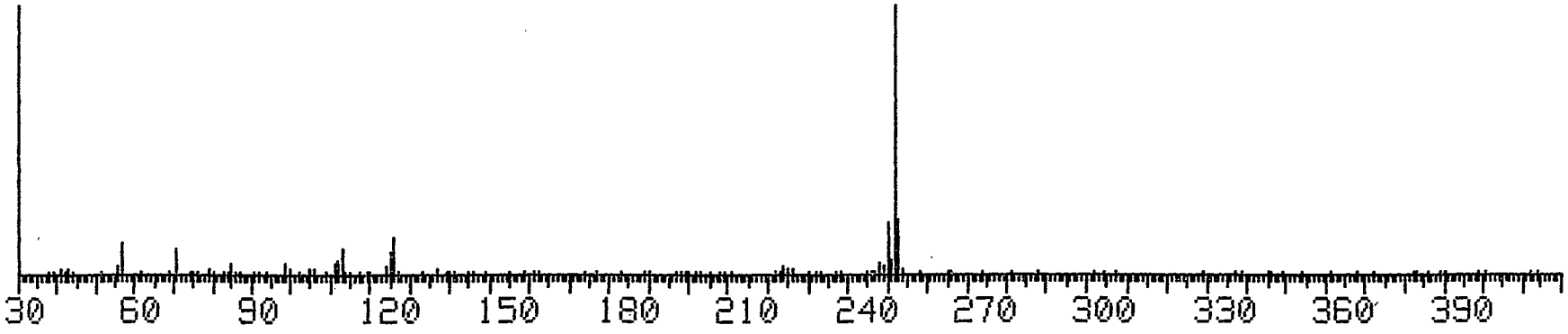
Standard Reference Spectrum: Chrysene



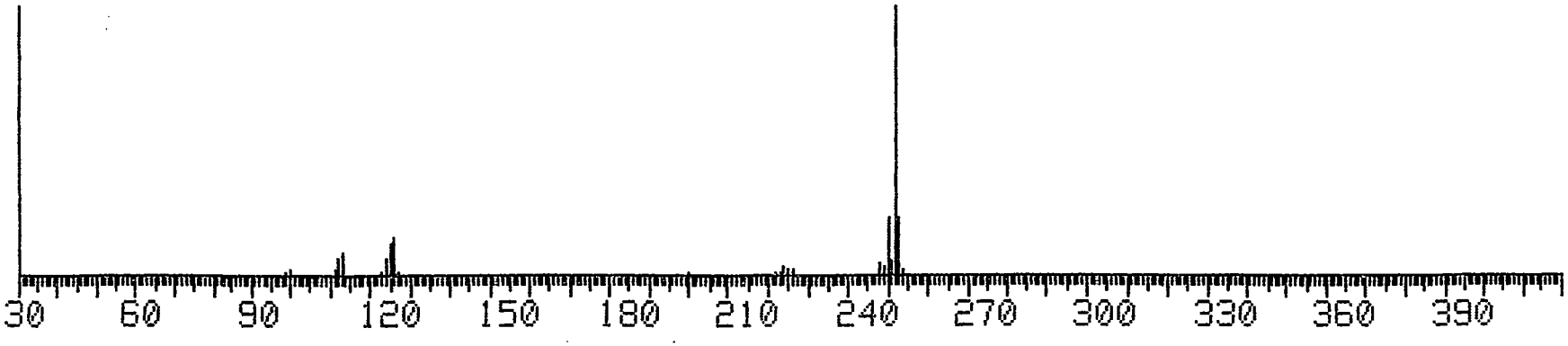
000369

SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2741 Time 23.57 min. 176397
100 % = 10914

SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2741 Time 23.57 min. 35805
Bkg scan = 2717 100 % = 10914



Standard Reference Spectrum: Benzo(b)fluoranthene

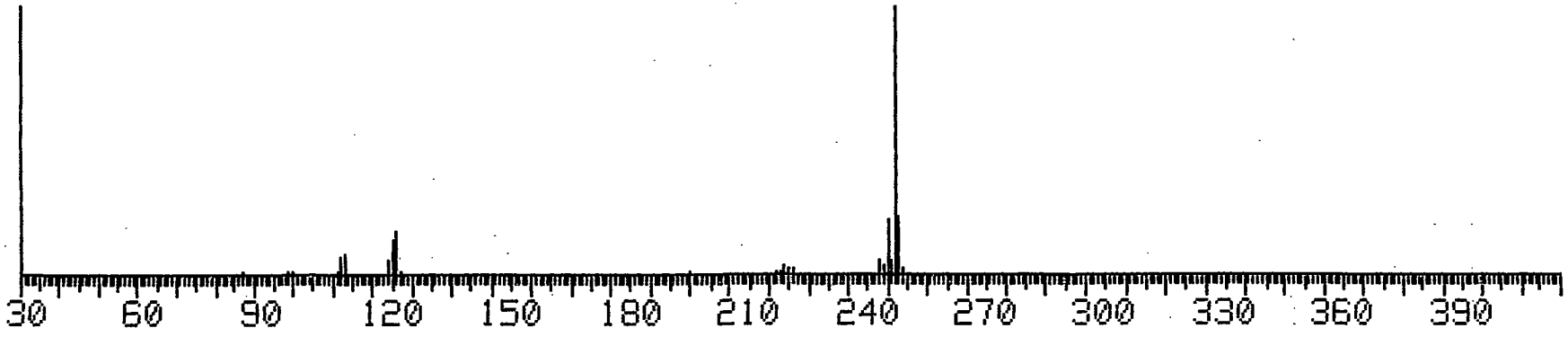


000370

SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2748 Time 23.62 min. 155089
100 % = 640

SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2748 Time 23.62 min. 8905
Bkg scan = 2745 100 % = 640

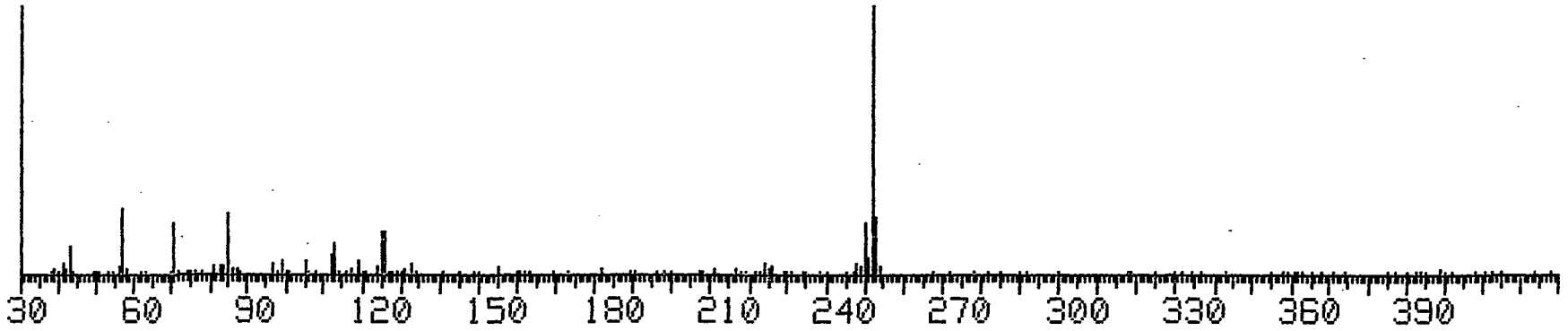
Standard Reference Spectrum: Benzo(K)Fluoranthene



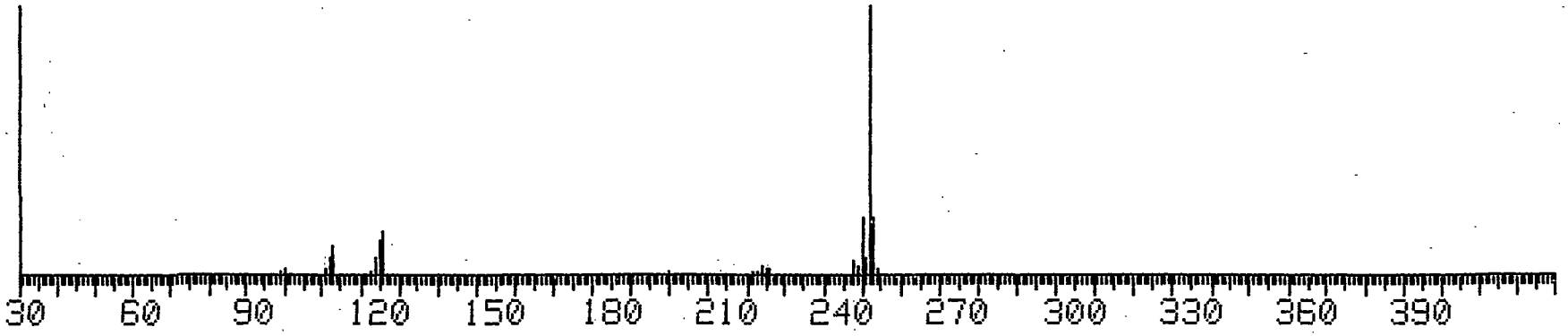
000371

SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2818 Time 24.17 min. 179915
100 % = 6789

SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 2818 Time 24.17 min. 30342
Bkg scan = 2812 100 % = 6789

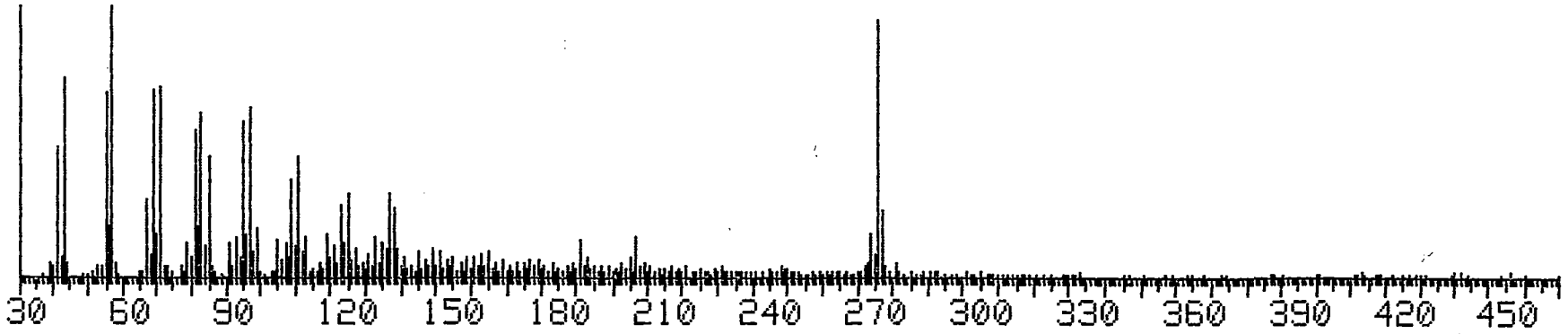


Standard Reference Spectrum: Benzo(a)pyrene

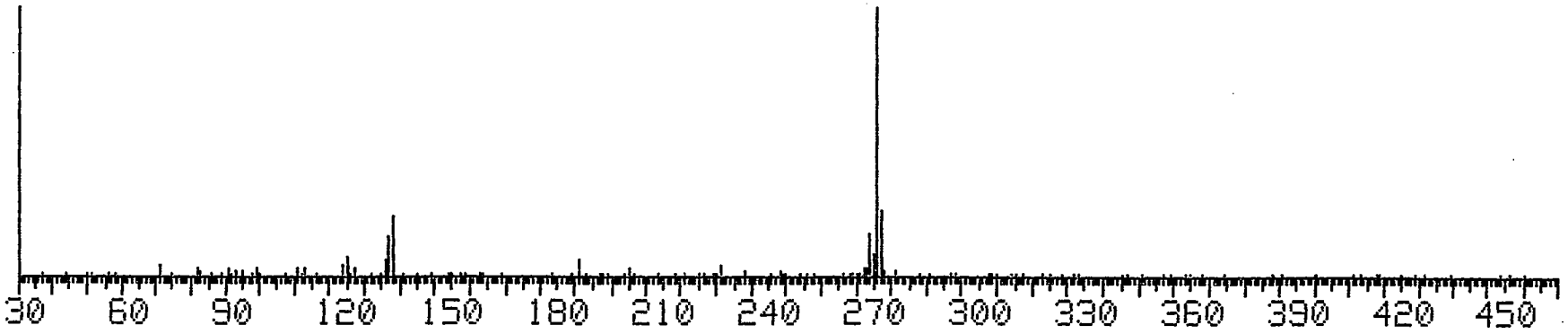


000372

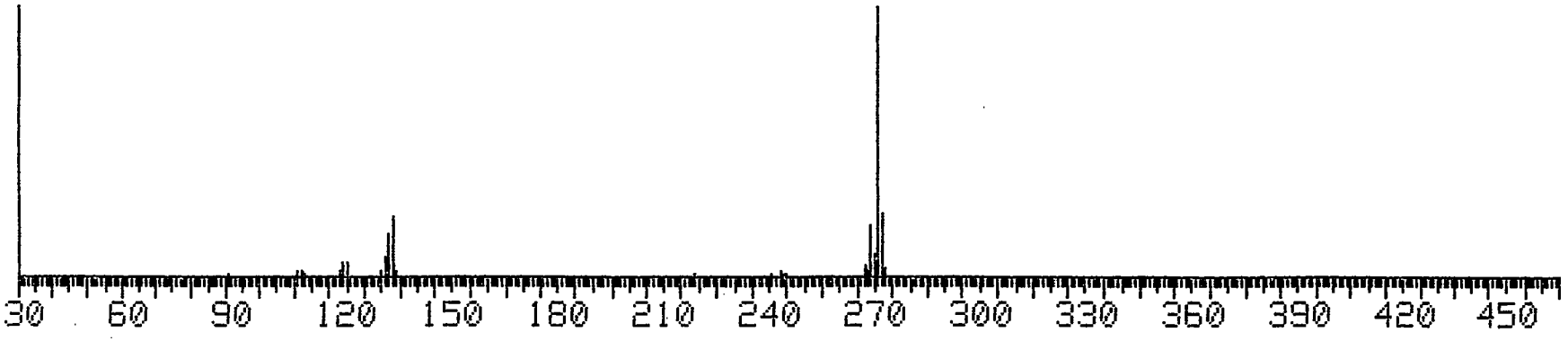
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 3065 Time 26.12 min. 128756
100 % = 5837



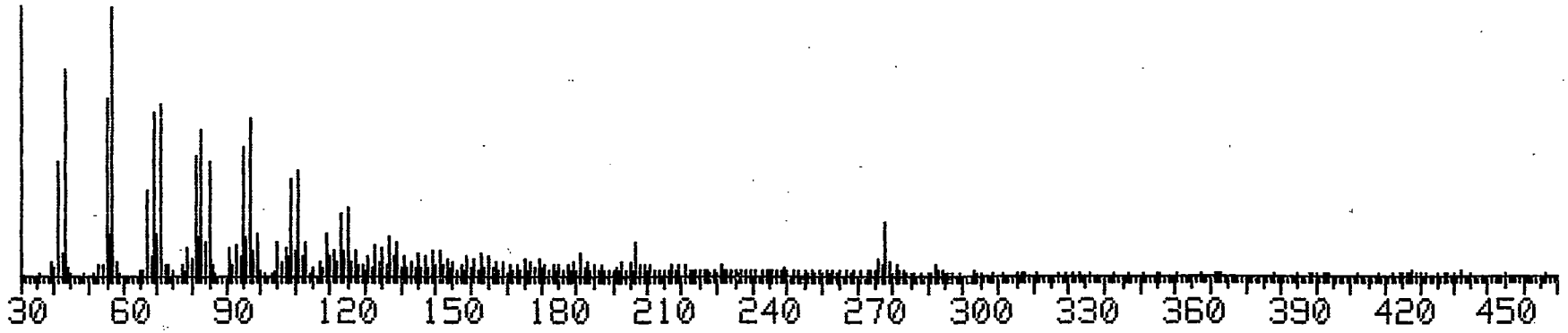
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 3065 Time 26.12 min. 19729
Bkg scan = 3053 100 % = 5837



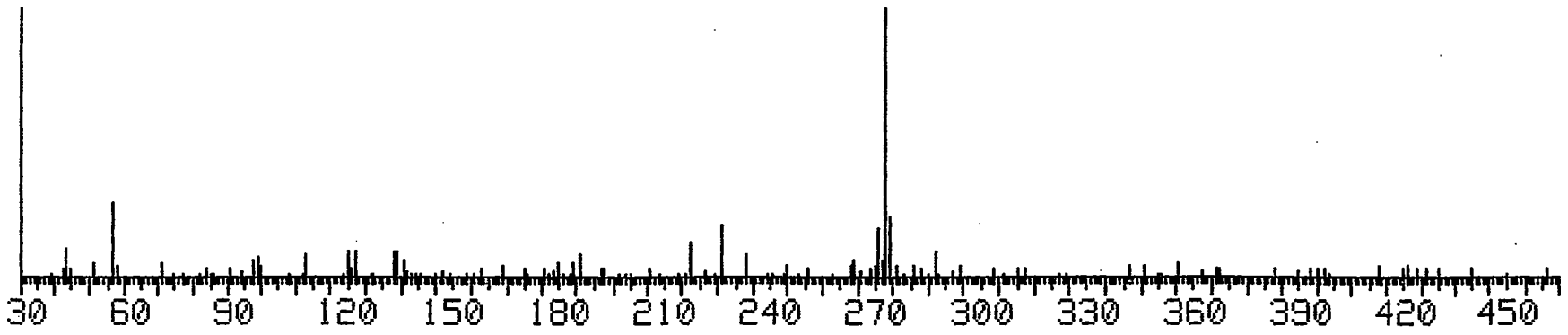
Standard Reference Spectrum: Indeno(1,2,3-cd)pyrene



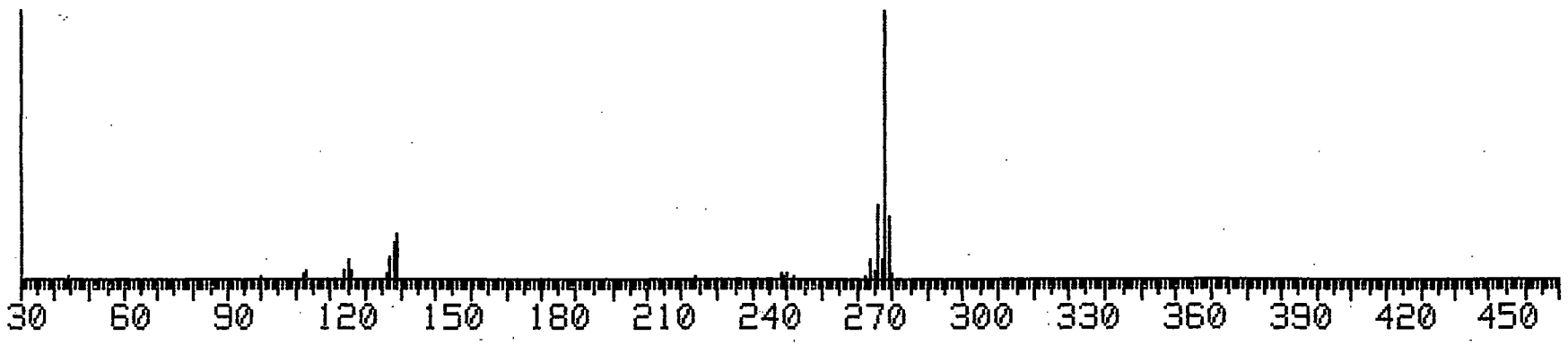
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 3071 Time 26.15 min. 112830
100 % = 1198



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 3071 Time 26.15 min. 6458
Bkg scan = 3053 100 % = 1198

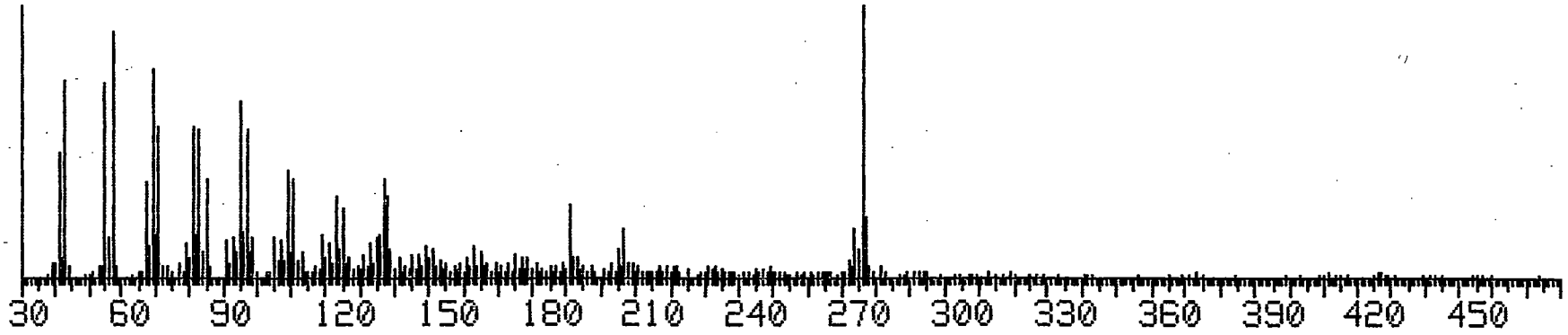


Standard Reference Spectrum: Dibenz(a,h)anthracene

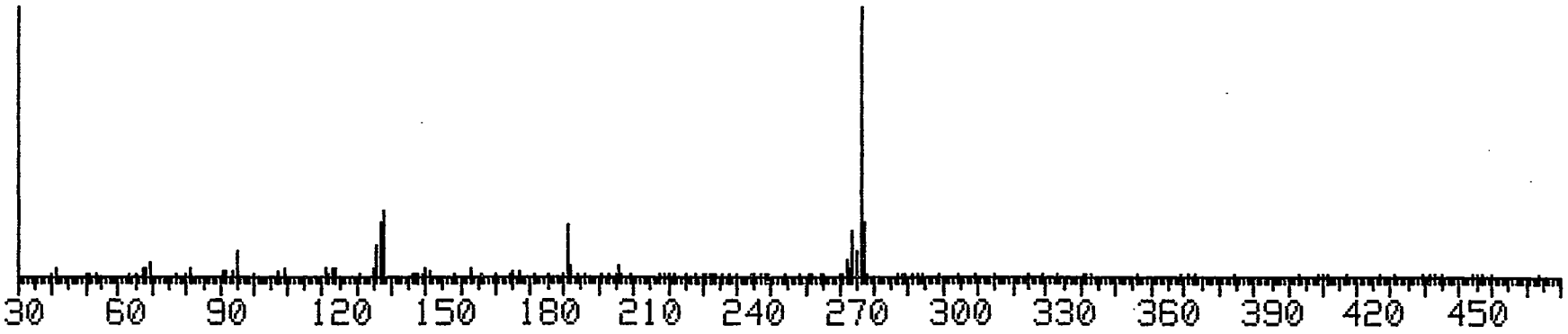


000374

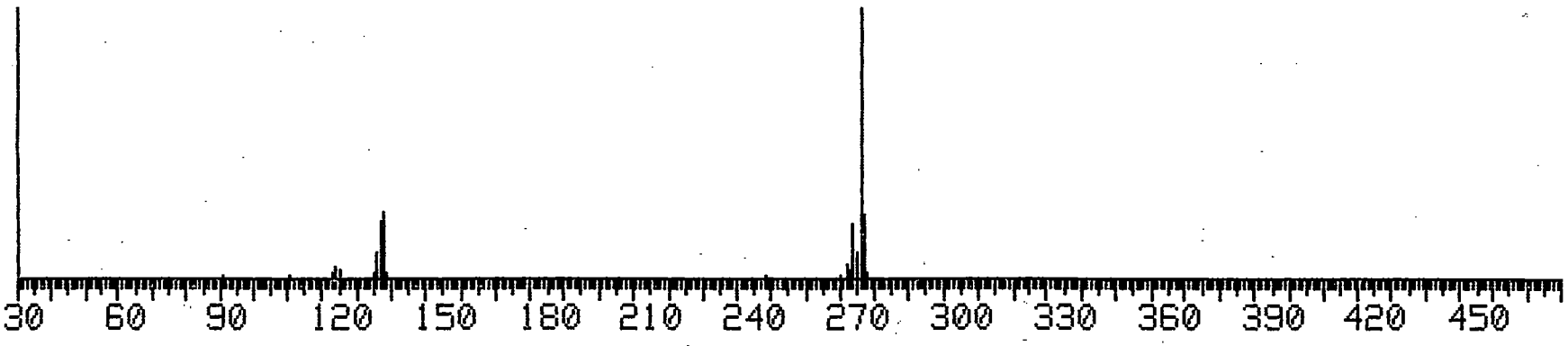
SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 3121 Time 26.55 min. 112876
100 % = 5605



SY0:EQK08 EQK08 EXTR03 Total
07-MAY-92 16:42:06 Scan 3121 Time 26.55 min. 21185
Bkg scan = 3105 100 % = 5605



Standard Reference Spectrum: Benzo(g,h,i)perylene



000375

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK08
Injection date: 07-MAY-92 16:42:06

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1 ✓	494 1	5.88	BB	-6	17	108728.	0.57	26.97	1
2 ✓	1332 2	12.47	VV	-9	4	74117.	0.39	10.32	3
3	1472 3	13.58	BB	-9	19 81182	~~139508.~~	0.73	~~19.42~~ 11.3	3
4 ✓	1605 4	14.62	BB	-14	25	200400.	1.05	~~13.93~~ 26.9	4
5	~~1852~~	~~16.57~~	~~VV~~	~~-8~~	~~15~~ 64450	~~87418.~~	~~0.46~~	~~6.08~~ 8.7	~~4~~
6	~~1895~~	~~16.93~~	~~BV~~	~~-17~~	~~7~~	~~283657.~~	~~1.48~~	~~19.72~~	~~4~~
7	~~1925~~	~~17.13~~	~~BB~~	~~-3~~	~~19~~	~~216076.~~	~~1.13~~	~~15.02~~	~~4~~
8 ✓	~~2047~~	~~18.10~~	~~BV~~	~~-8~~	~~3~~	~~71292.~~	~~0.37~~	~~4.96~~ 9.6	~~4~~
9	2295 7	20.05	BV	-6	22 131261	~~1476910.~~	7.72	~~20.74~~ 17.7	5
10	2397 8	20.85	BB	-5	27 119169	~~1550086.~~	8.11	~~21.77~~ 16.1	5
11 ✓	2655 12	22.88	BB	-6	11	177741.	0.93	~~12.14~~ 16.2	6
12	2680 13	23.08	BB	-7	14	200015.	1.05	~~13.66~~ 18.3	6
13	2703 14	23.27	BB	-9	12 193305	~~1512498.~~	7.91	~~103.27~~ 17.7	6
14 ✓	2764 15	23.73	BB	-6	34	258283.	1.35	~~17.64~~ 23.6	6
15 ✓	2869 16	24.57	BB	-8	19	245028.	1.28	~~16.73~~ 22.4	6
16 ✓	2898 17	24.80	BB	-6	17	114936.	0.60	~~7.85~~ 10.5	6
17	~~2917~~	~~24.97~~	~~BB~~	~~-4~~	~~17~~	~~1593834.~~	~~8.34~~	~~108.82~~	~~6~~
18 ✓	2951 18	25.22	BV	-6	12	157189.	0.82	~~10.73~~ 14.4	6
19 ✓	2969 19	25.35	VB	-6	10	249593.	1.31	~~17.04~~ 22.8	6
20 ✓	~~3009~~	~~25.67~~	~~BB~~	~~-7~~	~~7~~	~~99844.~~	~~0.52~~	~~6.82~~ 9.1	~~6~~
21 ✓	3032 20	25.85	BB	-11	5	175390.	0.92	~~11.98~~ 16.0	6
22	~~3196~~	~~27.13~~	~~BB~~	~~-6~~	~~13~~	~~84080.~~	~~0.44~~	~~5.74~~	~~6~~

TIC areas for associated internal standards:

Std.	Area	Conc.					
			5 ~~1731~~	~~15.62~~	~~74768~~	10.0 OK	4
			6 2215	19.42	94681	12.8	5
1	161231.	40.	9 2566	22.18	143687	19.4	5
3 ✓	287306. 297645	40.	10 2596	22.42	108876	14.7	5
1720 4	~~575477.~~ ~~296~~	40.	11 2613	22.55	142257	19.2	5
2405 5	~~2847971.~~ 296371	40.					6
2833 6	~~585841.~~	40.					
	437945		~~2703~~	~~23.27~~	~~196686~~	~~18.0~~	

crossouts 5/15/92
JH

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 494
Background Scans * 1.00 488
Retention time: 5.88 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 14577
C.A.S 112-50-5
Fit 0.662
C8H18O4 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 2 Spectrum 5298
C.A.S 111-90-0
Fit 0.639
C6H14O3 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 3 Spectrum 11076
C.A.S 112-36-7
Fit 0.627
C8H18O3 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.518
C8H16O4 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3147
C.A.S 1569-01-3
Fit 0.466
C6H14O2 118 2-Propanol, 1-propoxy-

Rank 6 Spectrum 3140
C.A.S 3944-36-3
Fit 0.456
C6H14O2 118 2-Propanol, 1-(1-methylethoxy)-

Rank 7 Spectrum 3102
C.A.S 29006-02-8
Fit 0.426
C5H10O3 118 Butanoic acid, 4-methoxy-

Rank 8 Spectrum 3297
C.A.S 111-77-3
Fit 0.423
C5H12O3 120 Ethanol, 2-(2-methoxyethoxy)-

Rank 9 Spectrum 1725
C.A.S 19089-47-5
Fit 0.417
C5H12O2 104 1-Propanol, 2-ethoxy-

Rank 10 Spectrum 29060
C.A.S 23778-52-1
Fit 0.392
C11H24O6 252 2,5,8,11,14-Pentaoxahexadecan-16-ol

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

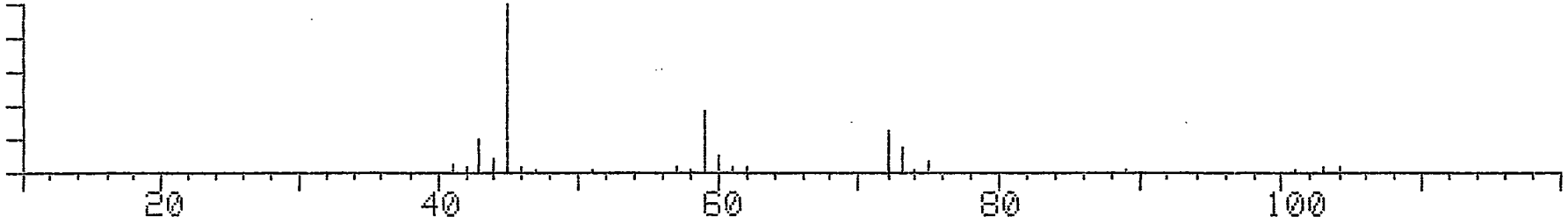
Comments:

EQK08 EXTR03

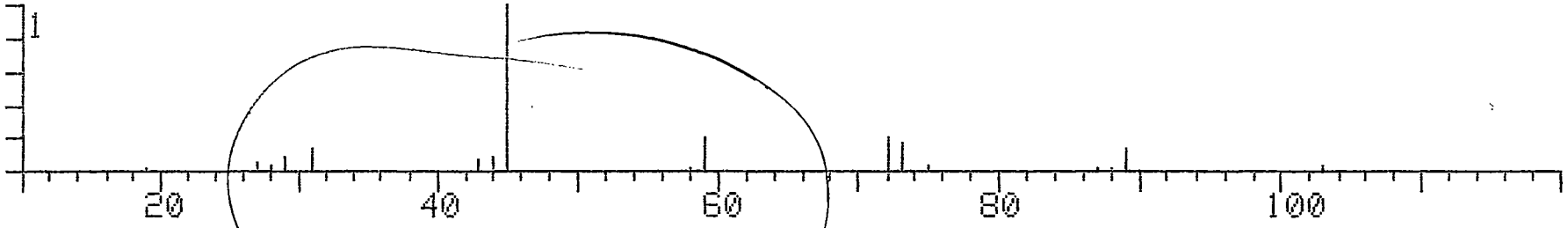
TIC = 27999

100% = 11312

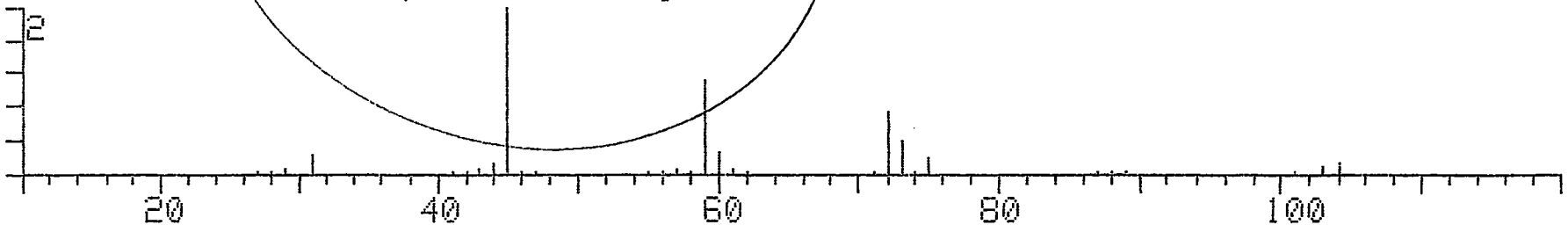
SCANS: 494-494 BKG * 1.00 488



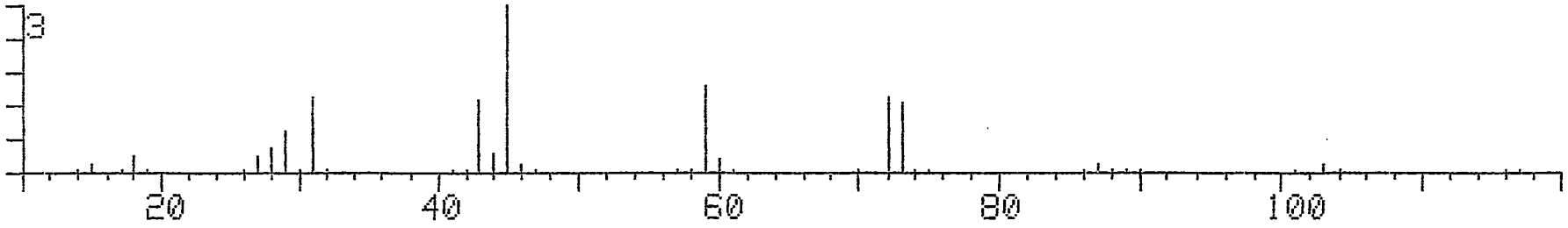
C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.662 SP#/CAS# 14577/112-50-5



C8H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.639 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.627 SP#/CAS# 11076/112-36-7



000378

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 1332
Background Scans * 1.00 1323 **UNKNOWN HYDROCARBON**
Retention time: 12.47 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.555
C10H22 142 Decane

Rank 2 Spectrum 4821
C.A.S 104-76-7
Fit 0.541
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 3 Spectrum 7003
C.A.S 17301-94-9
Fit 0.538
C10H22 142 Nonane, 4-methyl-

Rank 4 Spectrum 6982
C.A.S 5911-04-6
Fit 0.522
C10H22 142 Nonane, 3-methyl-

Rank 5 Spectrum 7004
C.A.S 13475-78-0
Fit 0.508
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 6 Spectrum 7388
C.A.S 54004-41-0
Fit 0.499
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 7 Spectrum 7375
C.A.S 18450-74-3
Fit 0.496
C9H20O 144 1-Heptanol, 2,4-dimethyl-, (2S,4R)-(-)-

Rank 8 Spectrum 6989
C.A.S 5881-17-4
Fit 0.486
C10H22 142 Octane, 3-ethyl-

Rank 9 Spectrum 6997
C.A.S 52896-90-9
Fit 0.481
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 10 Spectrum 9445
C.A.S 5877-42-9
Fit 0.480
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

Comments:

EQK08 EXTR03

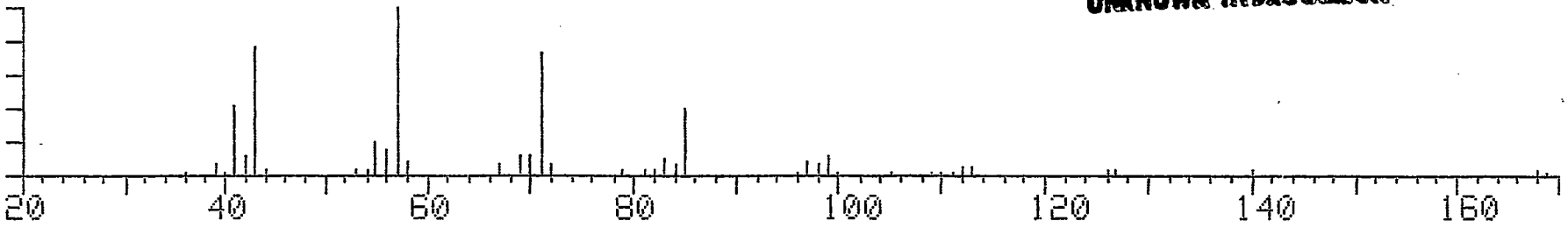
TIC = 14034

100% = 2805

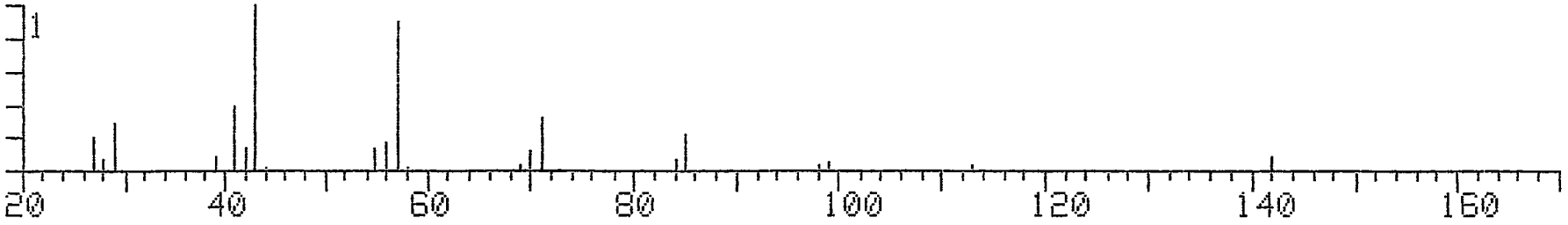
000380

SCANS: 1332-1332 BKG * 1.00 1323

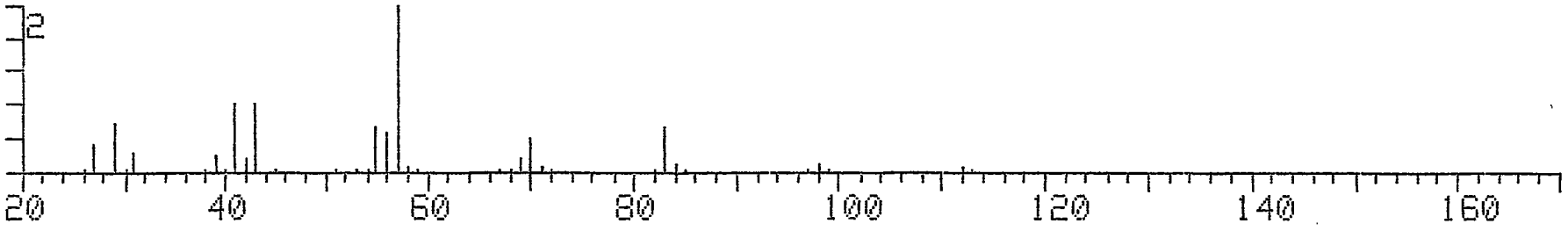
UNKNOWN HYDROCARBON



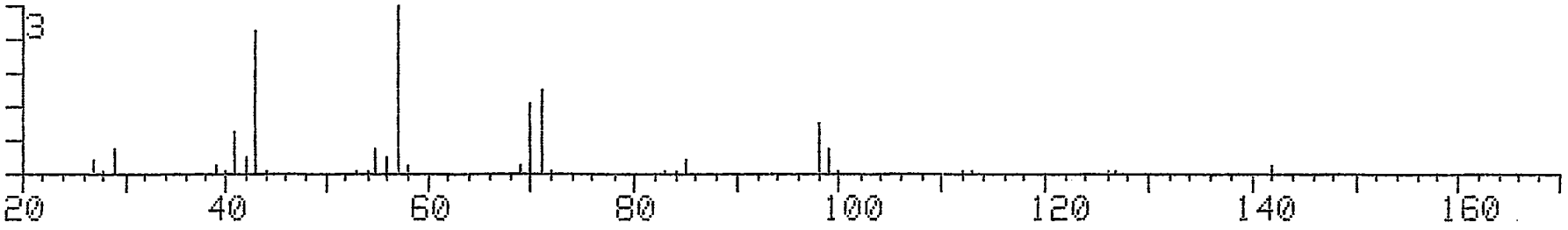
C10H22 142 Decane Fit 0.555 SP#/CAS# 6984/124-18-5



C8H18O 130 1-Hexanol, 2-ethyl- Fit 0.541 SP#/CAS# 4821/104-76-7



C10H22 142 Nonane, 4-methyl- Fit 0.538 SP#/CAS# 7003/17301-94-9



NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 1472
Background Scans * 1.00 1463
Retention time: 13.58 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.557
C10H22 142 Decane

Rank 2 Spectrum 7003
C.A.S 17301-94-9
Fit 0.539
C10H22 142 Nonane, 4-methyl-

Rank 3 Spectrum 6982
C.A.S 5911-04-6
Fit 0.524
C10H22 142 Nonane, 3-methyl-

Rank 4 Spectrum 6989
C.A.S 5881-17-4
Fit 0.511
C10H22 142 Octane, 3-ethyl-

Rank 5 Spectrum 7388
C.A.S 54004-41-0
Fit 0.496
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 6 Spectrum 7007
C.A.S 2051-30-1
Fit 0.487
C10H22 142 Octane, 2,6-dimethyl-

Rank 7 Spectrum 6997
C.A.S 52896-90-9
Fit 0.486
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 8 Spectrum 4821
C.A.S 104-76-7
Fit 0.484
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 9 Spectrum 7004
C.A.S 13475-78-0
Fit 0.477
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 10 Spectrum 4521
C.A.S 3074-75-7
Fit 0.470
C9H20 128 Hexane, 4-ethyl-2-methyl-

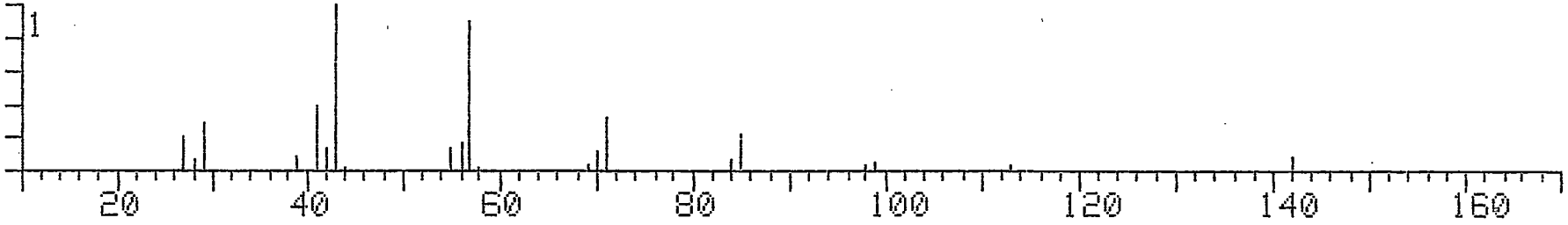
NISTEPA Forward Library Search TIC = 17415
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 3645
Filename: SY0:EQK08
Comments:
EQK08 EXTR03

UNKNOWN HYDROCARBON

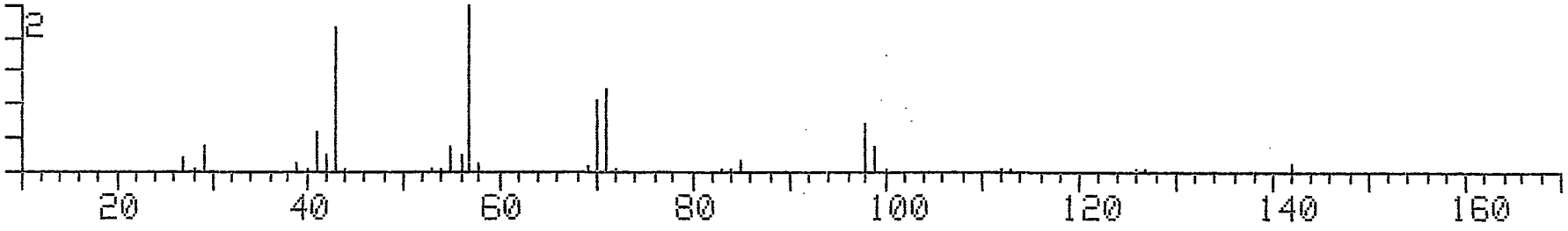
000382

SCANS: 1472-1472 BKG * 1.00 1463

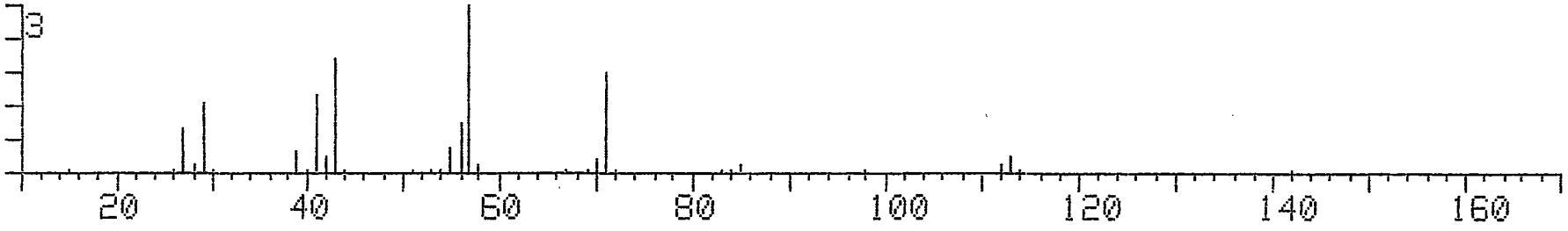
C10H22 142 Decane Fit 0.557 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 4-methyl- Fit 0.539 SP#/CAS# 7003/17301-94-9



C10H22 142 Nonane, 3-methyl- Fit 0.524 SP#/CAS# 6982/5911-04-6



NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 1605
Background Scans * 1.00 1591
Retention time: 14.62 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.508
C10H22 142 Decane

Rank 2 Spectrum 6982
C.A.S 5911-04-6
Fit 0.494
C10H22 142 Nonane, 3-methyl-

Rank 3 Spectrum 7007
C.A.S 2051-30-1
Fit 0.482
C10H22 142 Octane, 2,6-dimethyl-

Rank 4 Spectrum 7003
C.A.S 17301-94-9
Fit 0.480
C10H22 142 Nonane, 4-methyl-

Rank 5 Spectrum 6997
C.A.S 52896-90-9
Fit 0.462
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 6 Spectrum 6998
C.A.S 871-83-0
Fit 0.461
C10H22 142 Nonane, 2-methyl-

Rank 7 Spectrum 7004
C.A.S 13475-78-0
Fit 0.458
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 8 Spectrum 6989
C.A.S 5881-17-4
Fit 0.453
C10H22 142 Octane, 3-ethyl-

Rank 9 Spectrum 7010
C.A.S 13475-81-5
Fit 0.445
C10H22 142 Hexane, 2,2,3,3-tetramethyl-

Rank 10 Spectrum 4821
C.A.S 104-76-7
Fit 0.443
C8H18O 130 1-Hexanol, 2-ethyl-

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

Comments:

EQK08 EXTR03

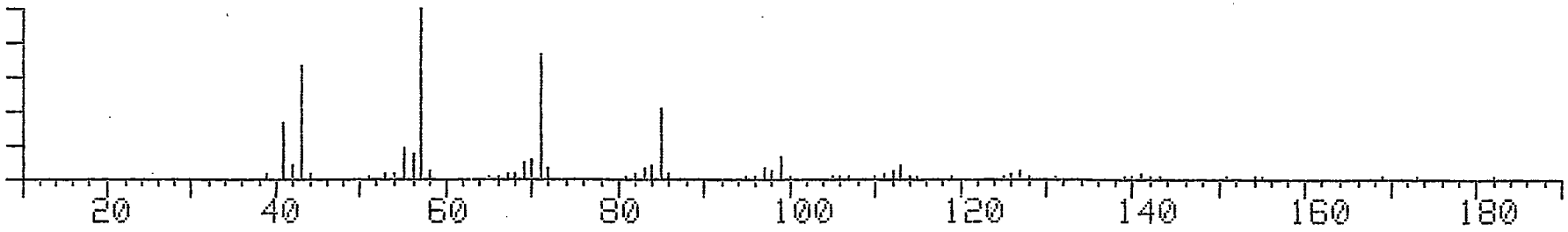
TIC = 24991

100% = 5061

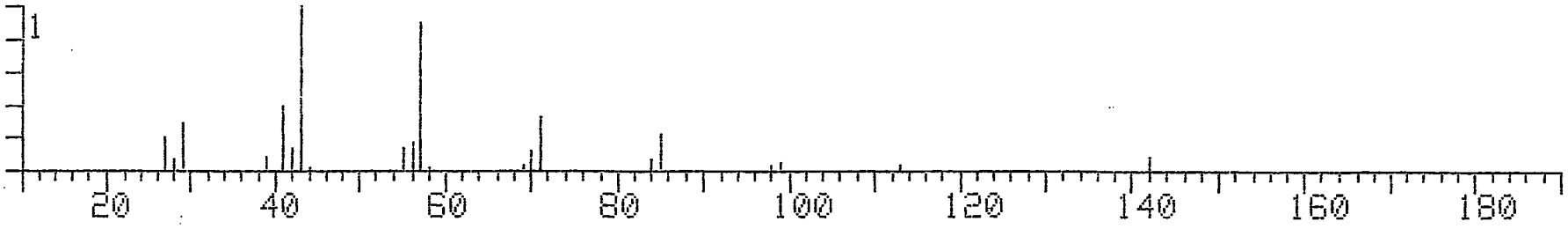
UNKNOWN HYDROCARBON

000384

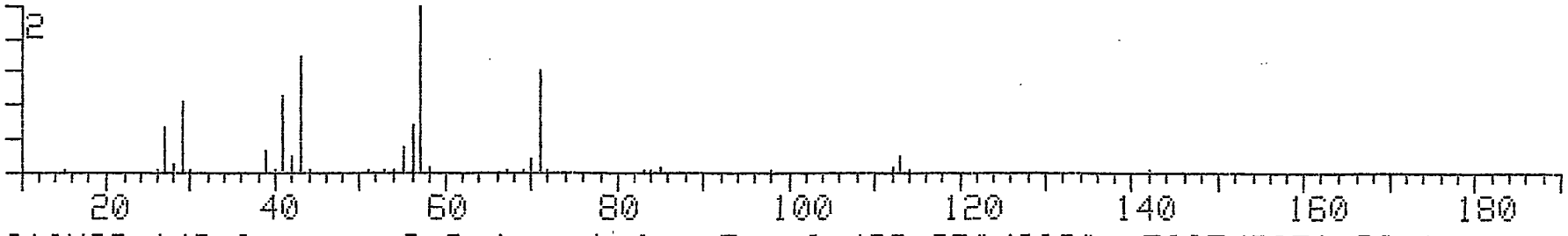
SCANS: 1605-1605 BKG * 1.00 1591



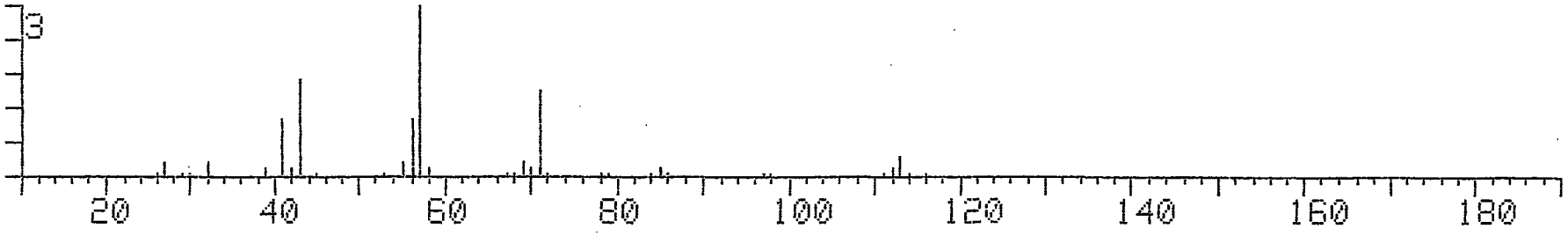
C10H22 142 Decane Fit 0.508 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 3-methyl- Fit 0.494 SP#/CAS# 6982/5911-04-6



C10H22 142 Octane, 2,6-dimethyl- Fit 0.482 SP#/CAS# 7007/2051-30-1



NISTEPA Library Search

UNKNOWN HYDROCARBON

File name: DUO:[301,3]EQK08
Comments: EQK08 EXTR03
Scan Number: 1731
Retention time: 15.62 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 4455
C.A.S 50639-00-4
Fit 0.412
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

Rank 2 Spectrum 6984
C.A.S 124-18-5
Fit 0.395
C10H22 142 Decane

Rank 3 Spectrum 7388
C.A.S 54004-41-0
Fit 0.388
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 4 Spectrum 9445
C.A.S 5877-42-9
Fit 0.385
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 5 Spectrum 6886
C.A.S 1194-44-1
Fit 0.368
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 6 Spectrum 7375
C.A.S 18450-74-3
Fit 0.368
C9H20O 144 1-Heptanol, 2,4-dimethyl-, (2S,4R)-(-)-

Rank 7 Spectrum 7372
C.A.S 18450-73-2
Fit 0.360
C9H20O 144 1-Heptanol, 2,4-dimethyl-, (R,R)-(+)-

Rank 8 Spectrum 6585
C.A.S 54063-09-1
Fit 0.356
C10H20 140 Diisoamylene

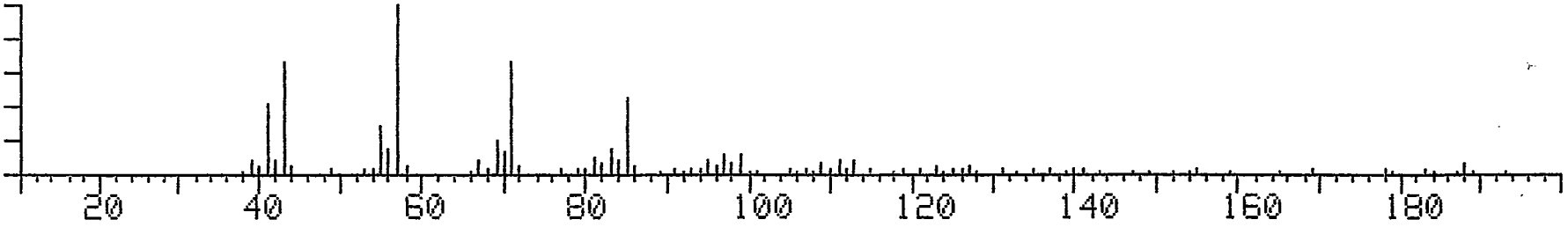
Rank 9 Spectrum 4821
C.A.S 104-76-7
Fit 0.353
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 10 Spectrum 9531
C.A.S 74630-31-2
Fit 0.349
C11H22 154 2-Decene, 6-methyl-, (Z)-

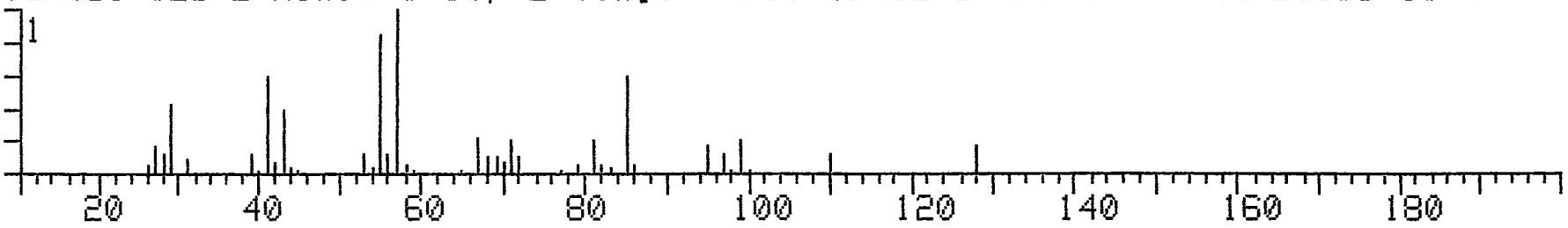
NISTEPA Forward Library Search TIC = 24244
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 3744
Filename: DU0:[301,3]EQK08
Comments:
EQK08 EXTR03

UNKNOWN HYBROCARBON

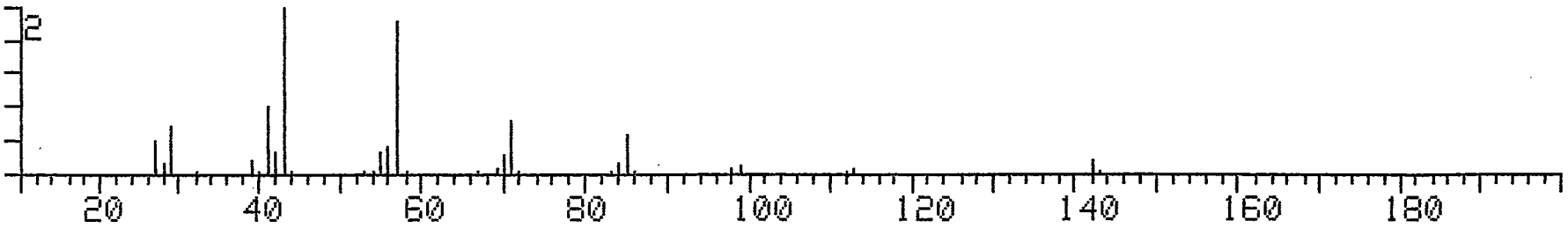
SCANS: 1731-1731 NO BACKGROUND SCANS



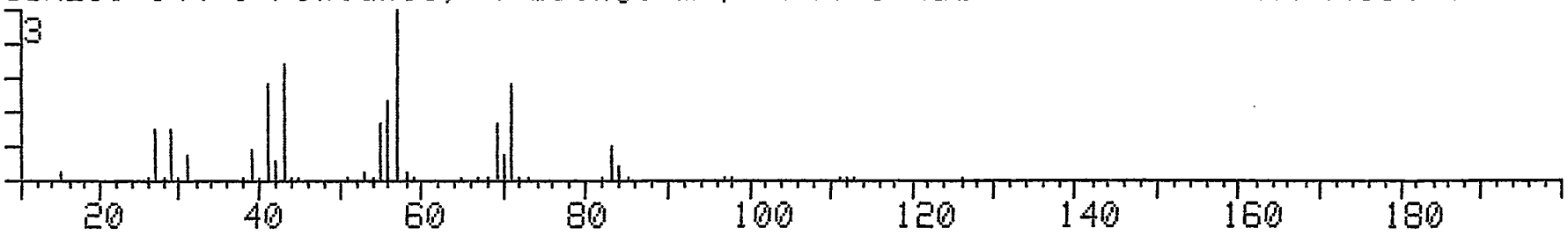
C8H16O 128 2-Hexen-1-ol, 2-ethyl- Fit 0.412 SP#/CAS# 4455/50639-00-4



C10H22 142 Decane Fit 0.395 SP#/CAS# 6984/124-18-5



C9H20O 144 1-Pentanol, 4-methyl-2-p Fit 0.388 SP#/CAS# 7388/54004-41-0



000386

NISTEPA Library Search

UNKNOWN HYDROCARBON

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2215
Background Scans * 1.00 2203
Retention time: 19.42 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 9976
C.A.S 62016-18-6
Fit 0.313
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 2 Spectrum 9979
C.A.S 17302-23-7
Fit 0.308
C11H24 156 Nonane, 4,5-dimethyl-

Rank 3 Spectrum 9969
C.A.S 17302-32-8
Fit 0.294
C11H24 156 Nonane, 3,7-dimethyl-

Rank 4 Spectrum 9510
C.A.S 13151-29-6
Fit 0.291
C11H22 154 1-Decene, 4-methyl-

Rank 5 Spectrum 10356
C.A.S 2370-14-1
Fit 0.287
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 6 Spectrum 9971
C.A.S 62016-34-6
Fit 0.287
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 7 Spectrum 6997
C.A.S 52896-90-9
Fit 0.276
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 8 Spectrum 9977
C.A.S 62016-19-7
Fit 0.268
C11H24 156 Octane, 6-ethyl-2-methyl-

Rank 9 Spectrum 9972
C.A.S 13151-34-3
Fit 0.267
C11H24 156 Decane, 3-methyl-

Rank 10 Spectrum 9905
C.A.S 103-44-6
Fit 0.266
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

NISTEPA Forward Library Search

TIC = 22608

Injection Date: 07-MAY-92 Time: 16:42:06

100% = 3760

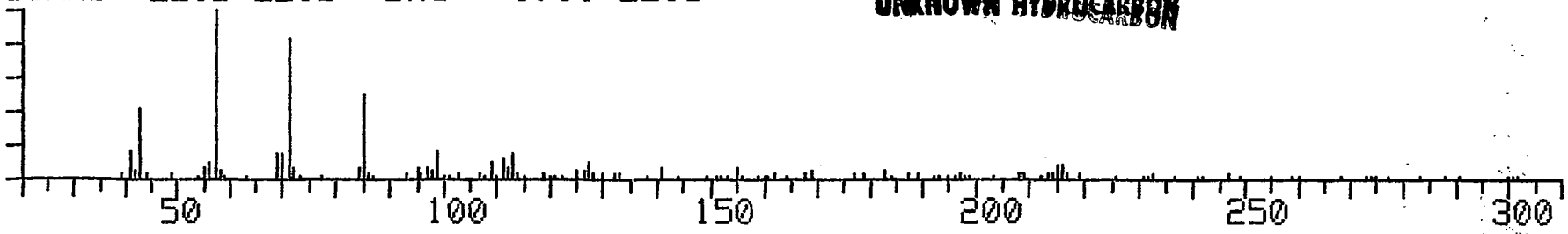
Filename: SY0:EQK08

Comments:

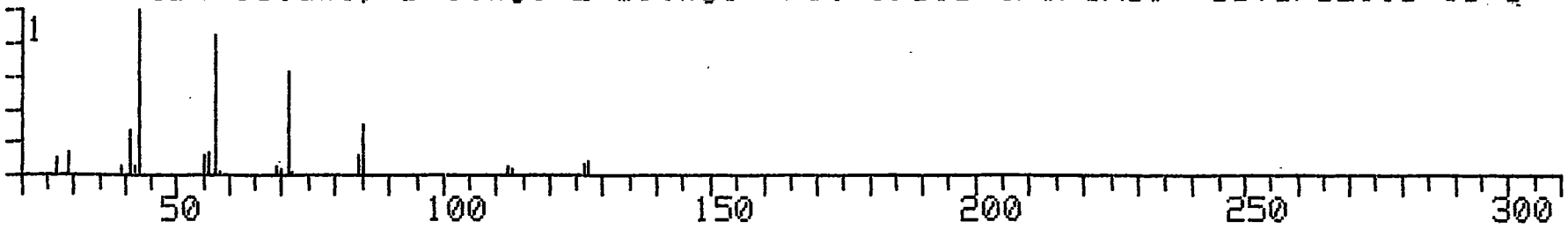
EQK08 EXTR03

SCANS: 2215-2215 BKG * 1.00 2203

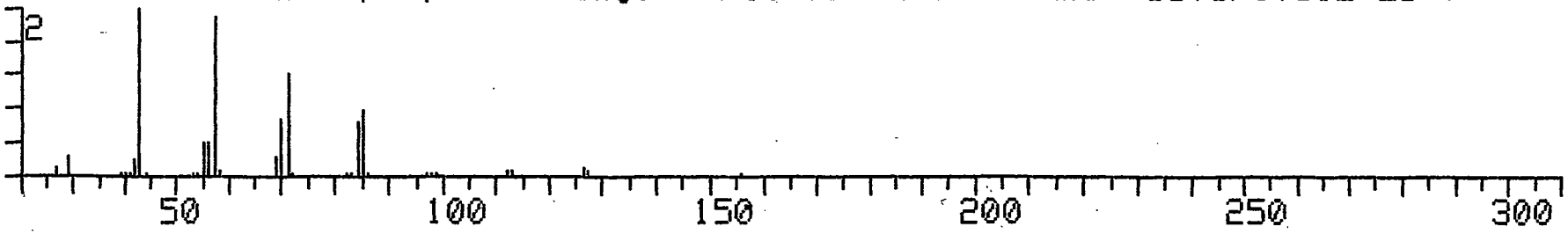
UNKNOWN HYDROCARBON



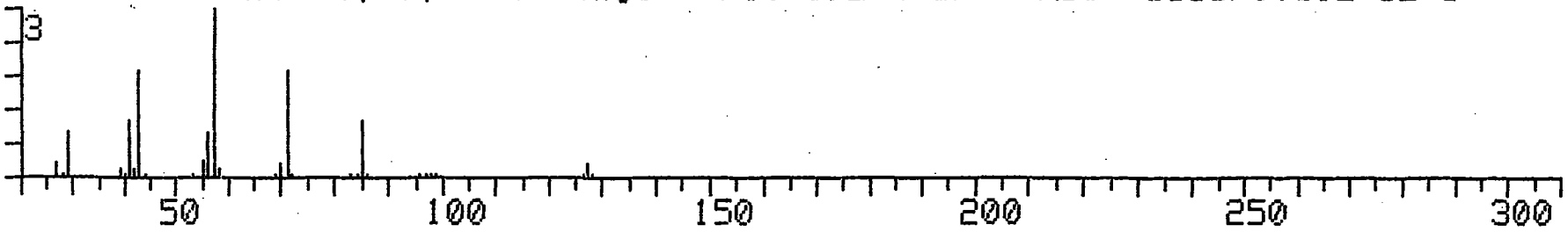
C11H24 156 Octane, 5-ethyl-2-methyl Fit 0.313 SP#/CAS# 9976/62016-18-6



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.308 SP#/CAS# 9979/17302-23-7



C11H24 156 Nonane, 3,7-dimethyl- Fit 0.294 SP#/CAS# 9969/17302-32-8



000388

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2295
Background Scans * 1.00 2289
Retention time: 20.05 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 10366
C.A.S 10042-59-8
Fit 0.319
C10H22O 158 1-Heptanol, 2-propyl-

Rank 2 Spectrum 6886
C.A.S 1194-44-1
Fit 0.317
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 3 Spectrum 13140
C.A.S 112-40-3
Fit 0.304
C12H26 170 Dodecane

Rank 4 Spectrum 4317
C.A.S 17429-02-6
Fit 0.299
C7H12O2 128 Cyclohexanone, 4-hydroxy-4-methyl-

Rank 5 Spectrum 13558
C.A.S 54461-00-6
Fit 0.296
C11H24O 172 1-Hexanol, 2-ethyl-2-propyl-

Rank 6 Spectrum 9905
C.A.S 103-44-6
Fit 0.293
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 7 Spectrum 9932
C.A.S 2165-61-9
Fit 0.291
C10H20O 156 trans-5,6-Epoxydecane

Rank 8 Spectrum 13157
C.A.S 998-35-6
Fit 0.289
C12H26 170 Nonane, 5-propyl-

Rank 9 Spectrum 13653
C.A.S 29812-79-1
Fit 0.289
C10H23NO 173 Hydroxylamine, O-decyl-

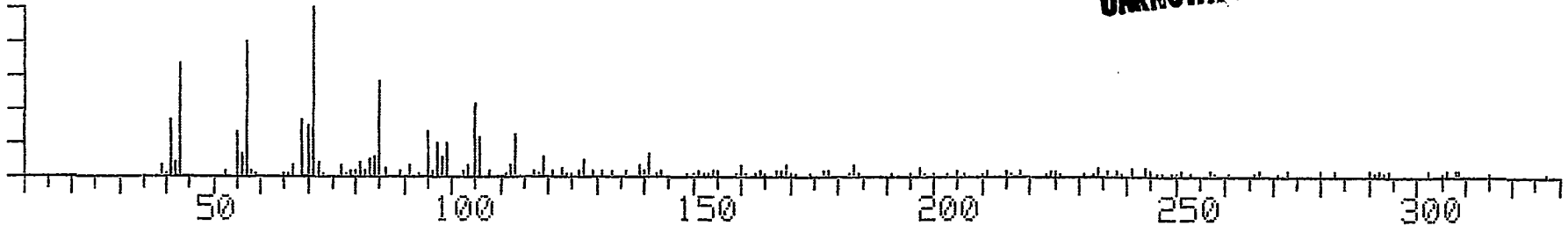
Rank 10 Spectrum 10356
C.A.S 2370-14-1
Fit 0.282
C10H22O 158 1-Octanol, 2,2-dimethyl-

NISTEPA Forward Library Search TIC = 18208
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 1920
Filename: SY0:EQK08
Comments:
EQK08 EXTR03

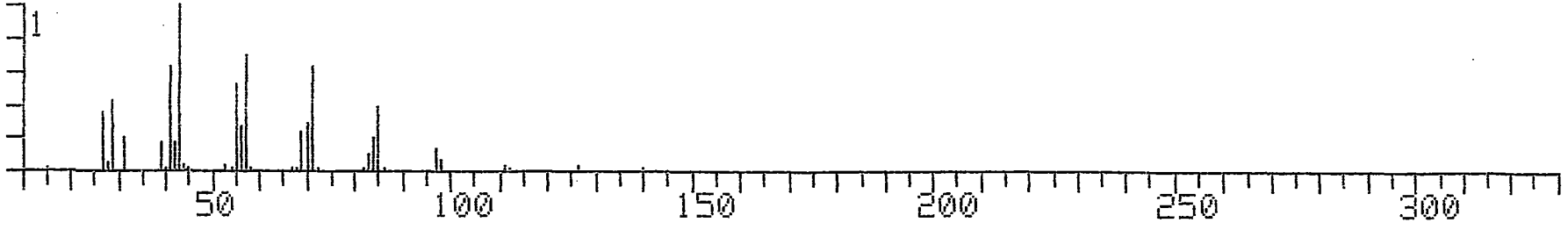
000390

SCANS: 2295-2295 BKG * 1.00 2289

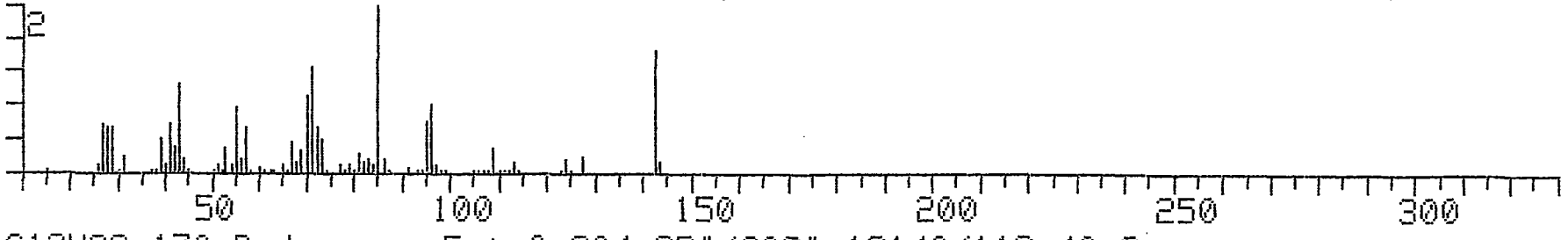
UNKNOWN HYDROCARBON



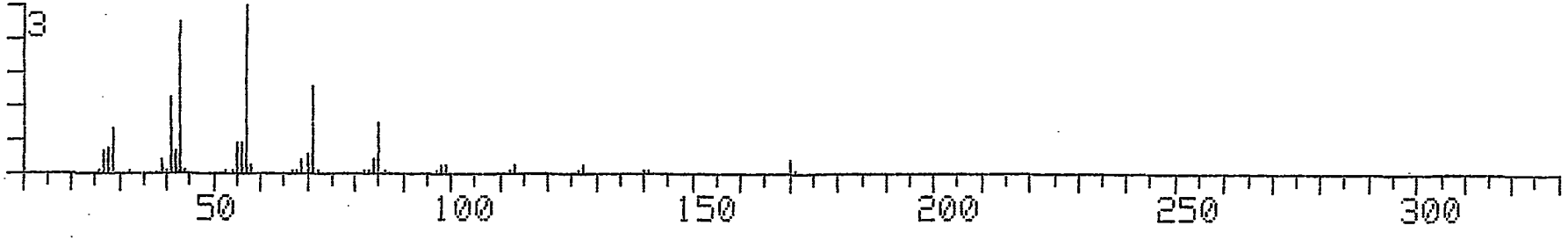
C10H22O 158 1-Heptanol, 2-propyl- Fit 0.319 SP#/CAS# 10366/10042-59-8



C8H14O2 142 Bicyclo[2.2.2]octane-1, Fit 0.317 SP#/CAS# 6886/1194-44-1



C12H26 170 Dodecane Fit 0.304 SP#/CAS# 13140/112-40-3



NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2397
Background Scans * 1.00 2392
Retention time: 20.85 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN

Forward Search

Rank 1 Spectrum 26191
C.A.S 32589-34-7
Fit 0.277
C14H21NO2 235 Carbamic acid, (.alpha.-methylbenzyl)-, pentyl ester

Rank 2 Spectrum 44297
C.A.S -0
Fit 0.270
C24H38O3 374 1,3-O-BENZYLIDINE GLYCERYL-2-MYRISTATE

Rank 3 Spectrum 45464
C.A.S 56599-86-1
Fit 0.241
C24H38O4 390 Tetradecanoic acid, 2-phenyl-1,3-dioxan-5-yl ester

Rank 4 Spectrum 43196
C.A.S 56630-70-7
Fit 0.237
C22H34O4 362 Dodecanoic acid, 2-phenyl-1,3-dioxan-5-yl ester

Rank 5 Spectrum 23921
C.A.S 13822-35-0
Fit 0.215
C15H26O 222 5-Azulenemethanol, 1,2,3,4,5,6,7,8-octahydro-.alpha.,.alph
a.,3,8-tetramethyl-

Rank 6 Spectrum 39050
C.A.S 32507-61-2
Fit 0.203
C20H18O4 322 2-Propen-1-one, 1-(5,8-dihydroxy-2,2-dimethyl-2H-1-benzop
yran-6-yl)-3-phenyl-, (E)-

Rank 7 Spectrum 27729
C.A.S 5398-10-7
Fit 0.201
C13H24O4 244 Propanedioic acid, hexyl-, diethyl ester

Rank 8 Spectrum 40431
C.A.S 56630-72-9
Fit 0.188
C20H30O4 334 Decanoic acid, 2-phenyl-1,3-dioxan-5-yl ester

Rank 9 Spectrum 46963
C.A.S 2604-90-2
Fit 0.187
C29H48O 412 Cholest-7-en-3-one, 4,4-dimethyl-, (5.alpha.)-

Rank 10 Spectrum 35144
C.A.S 54833-47-5
Fit 0.182
C18H29NO2 291 Carbamic acid, (1-phenylethyl)-, 3-methyloctyl ester

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

Comments:

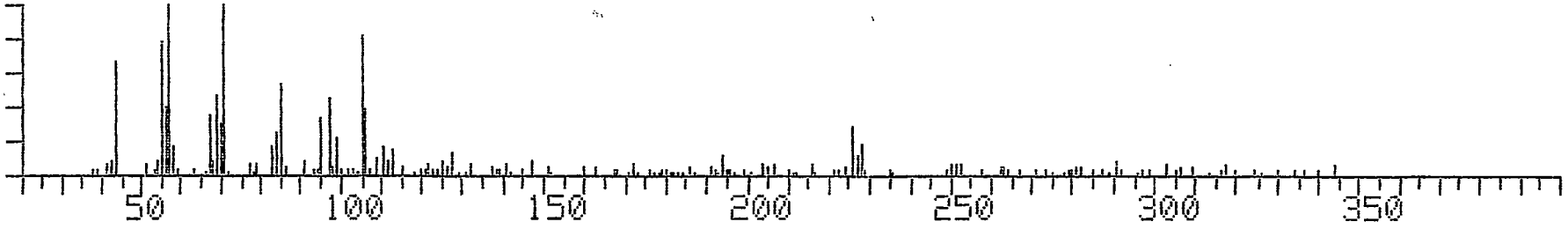
EQK08 EXTR03

TIC = 15531

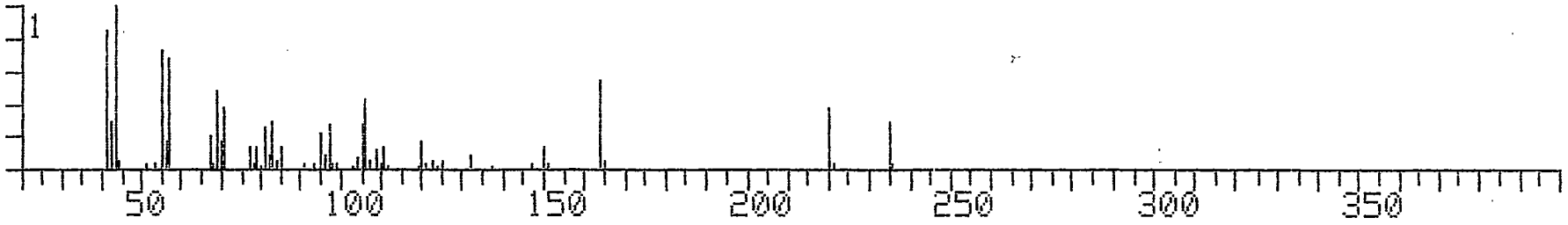
100% = 1152

UNKNOWN

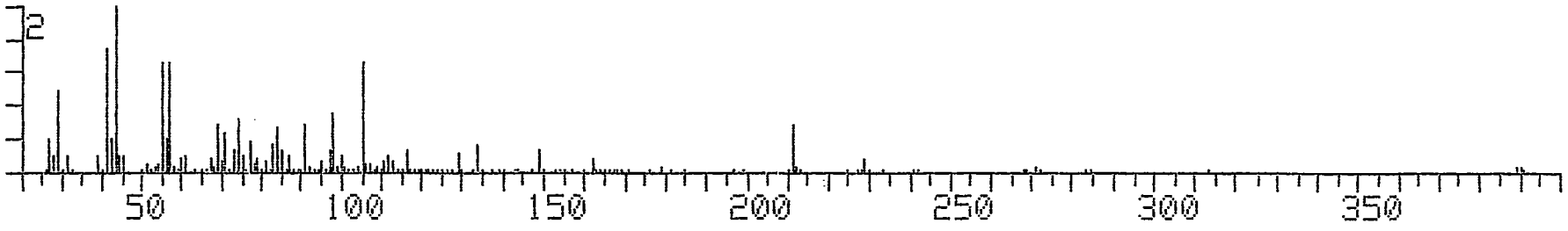
SCANS: 2397-2397 BKG * 1.00 2392



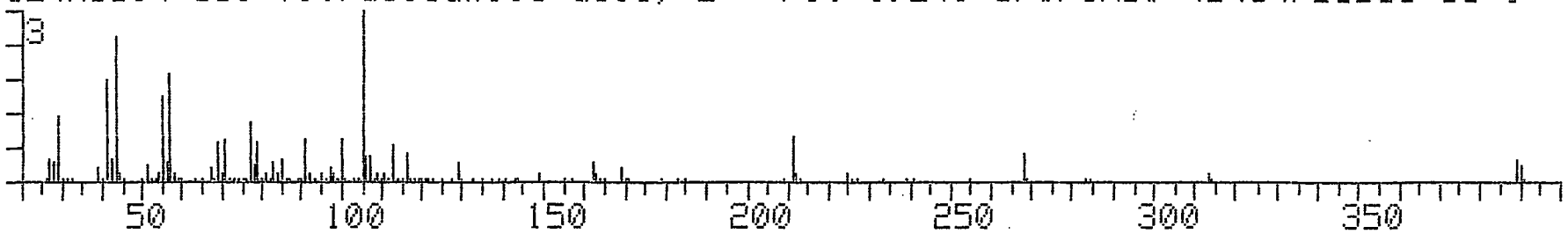
C14H21NO2 235 Carbamic acid, (.alph Fit 0.277 SP#/CAS# 26191/32589-34-7



C24H38O3 374 1,3-O-BENZYLIDINE GLYC Fit 0.270 SP#/CAS# 44297/



C24H38O4 390 Tetradecanoic acid, 2- Fit 0.241 SP#/CAS# 45464/56599-86-1



000392

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2566
Background Scans * 1.00 2558
Retention time: 22.18 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 4455
C.A.S 50639-00-4
Fit 0.369
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

Rank 2 Spectrum 10366
C.A.S 10042-59-8
Fit 0.333
C10H22O 158 1-Heptanol, 2-propyl-

Rank 3 Spectrum 10055
C.A.S 126-93-2
Fit 0.321
C8H15NO2 157 Oxanamide

Rank 4 Spectrum 6886
C.A.S 1194-44-1
Fit 0.315
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 5 Spectrum 6954
C.A.S 55702-60-8
Fit 0.313
C9H18O 142 2-Pentene, 1-ethoxy-4,4-dimethyl-

Rank 6 Spectrum 6929
C.A.S -0
Fit 0.313
C9H18O 142 TRANS-3,4-EPOXYNONANE

Rank 7 Spectrum 9941
C.A.S 54724-75-3
Fit 0.309
C10H20O 156 trans-4,5-Epoxydecane

Rank 8 Spectrum 9926
C.A.S 56259-16-6
Fit 0.308
C10H20O 156 Cyclopropanemethanol, .alpha.,2-bis(1-methylethyl)-

Rank 9 Spectrum 9956
C.A.S 18409-18-2
Fit 0.304
C10H20O 156 2-Decen-1-ol, (E)-

Rank 10 Spectrum 4433
C.A.S 53907-77-0
Fit 0.302
C8H16O 128 Oxirane, (3,3-dimethylbutyl)-

NISTEPA Forward Library Search

TIC = 22417

Injection Date: 07-MAY-92 Time: 16:42:06

100% = 3136

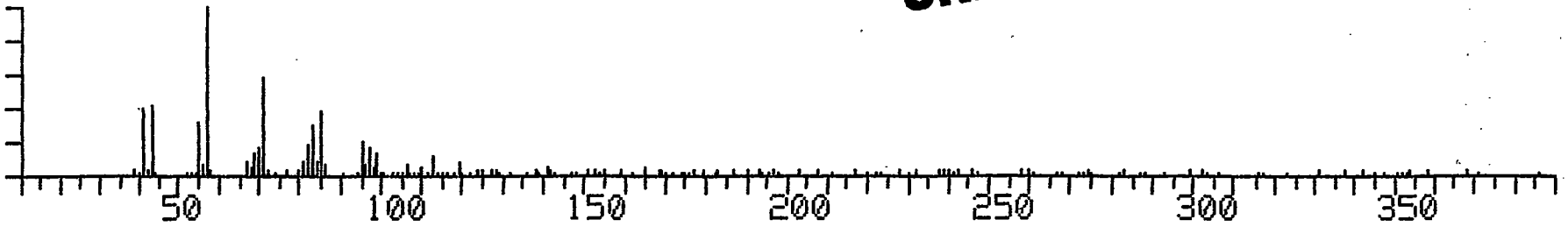
Filename: SY0:EQK08

Comments:

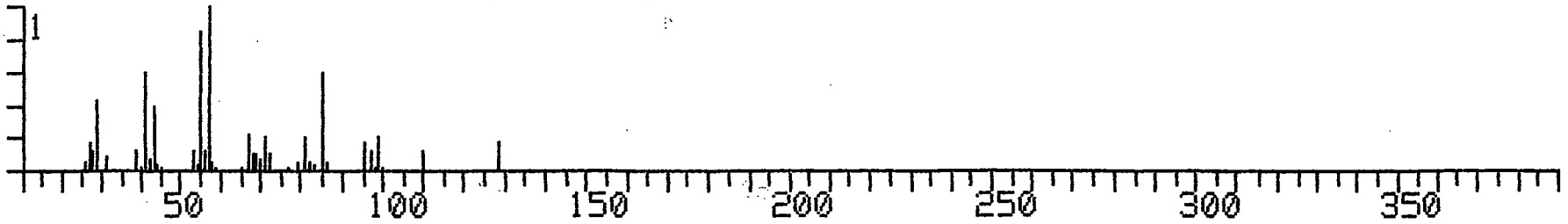
EQK08 EXTR03

UNKNOWN

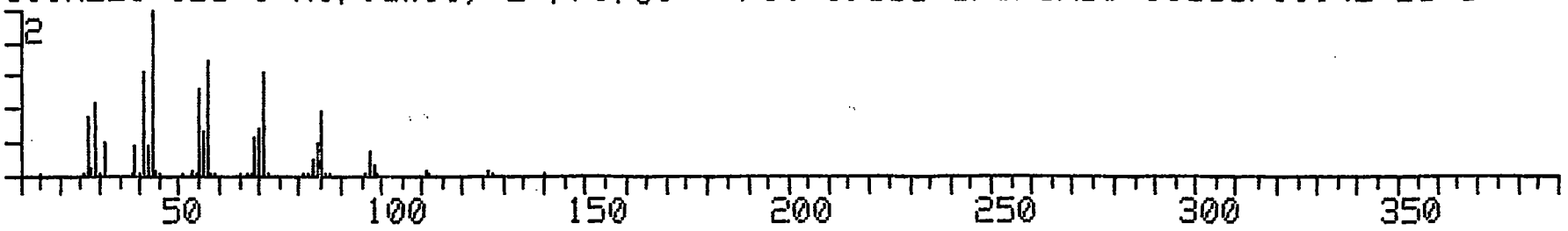
SCANS: 2566-2566 BKG * 1.00 2558



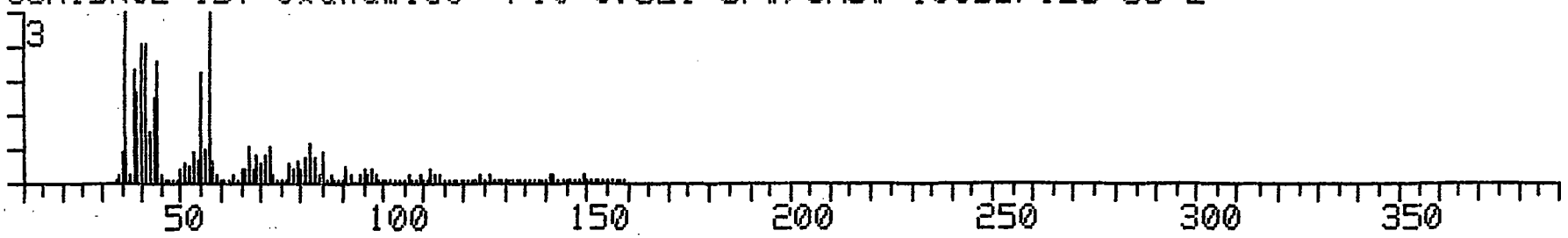
C8H16O 128 2-Hexen-1-ol, 2-ethyl- Fit 0.369 SP#/CAS# 4455/50639-00-4



C10H22O 158 1-Heptanol, 2-propyl- Fit 0.333 SP#/CAS# 10366/10042-59-8



C8H15NO2 157 Oxanamide Fit 0.321 SP#/CAS# 10055/126-93-2



000394

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2596
Background Scans * 1.00 2592
Retention time: 22.42 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 34701
C.A.S 1561-06-4
Fit 0.252
C17H3603 288 1,2-Propanediol, 3-(tetradecyloxy)-

Rank 2 Spectrum 53950
C.A.S 18641-57-1
Fit 0.239
C69H13406 1058 Docosanoic acid, 1,2,3-propanetriyl ester

Rank 3 Spectrum 52522
C.A.S 17367-40-7
Fit 0.236
C39H7803 594 Stearic acid, 3-(octadecyloxy)propyl ester

Rank 4 Spectrum 51652
C.A.S 17367-10-1
Fit 0.227
C36H7402 538 Octadecane, 1-[2-(hexadecyloxy)ethoxy]-

Rank 5 Spectrum 51946
C.A.S 29899-13-6
Fit 0.222
C36H7203 552 Hexadecanoic acid, 2-(octadecyloxy)ethyl ester

Rank 6 Spectrum 52647
C.A.S 55320-13-3
Fit 0.211
C43H88 604 Tetracosane, 12-decyl-12-nonyl-

Rank 7 Spectrum 50625
C.A.S 55470-98-9
Fit 0.206
C35H72 492 Eicosane, 10-heptyl-10-octyl-

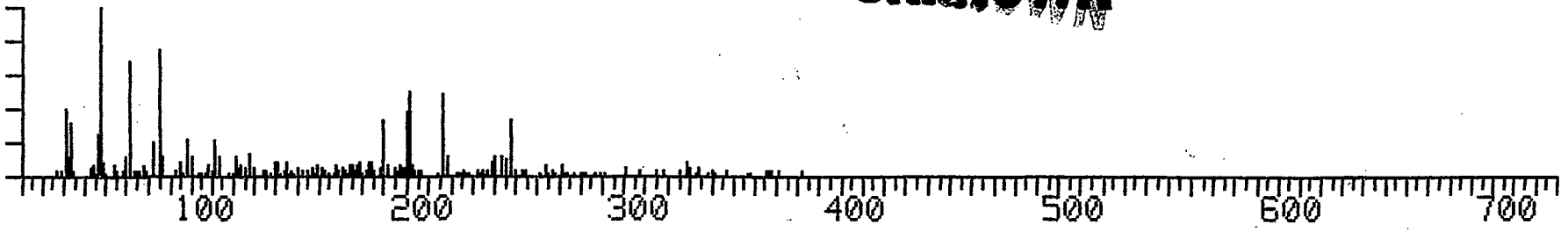
Rank 8 Spectrum 41411
C.A.S 6068-80-0
Fit 0.206
C18H1607 344 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5-dihydr
oxy-7-methoxy-

Rank 9 Spectrum 51577
C.A.S 22522-34-5
Fit 0.196
C36H7002 534 9-Hexadecenoic acid, eicosyl ester, (Z)-

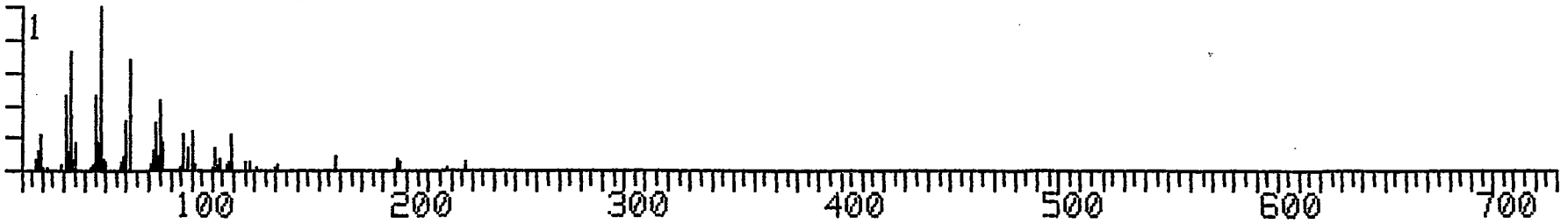
Rank 10 Spectrum 52316
C.A.S 56599-42-9
Fit 0.192

NISTEPA Forward Library Search TIC = 15009
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 1280
Filename: SY0:EQK08
Comments:
EQK08 EXTR03

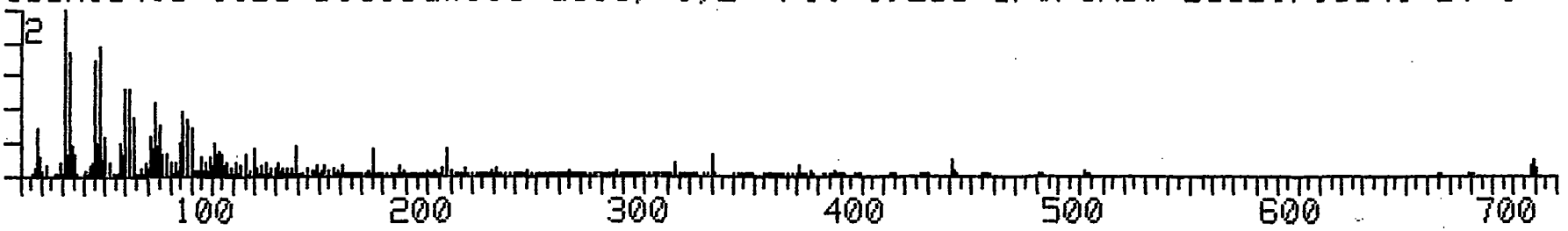
SCANS: 2596-2596 BKG * 1.00 2592 **UNKNOWN**



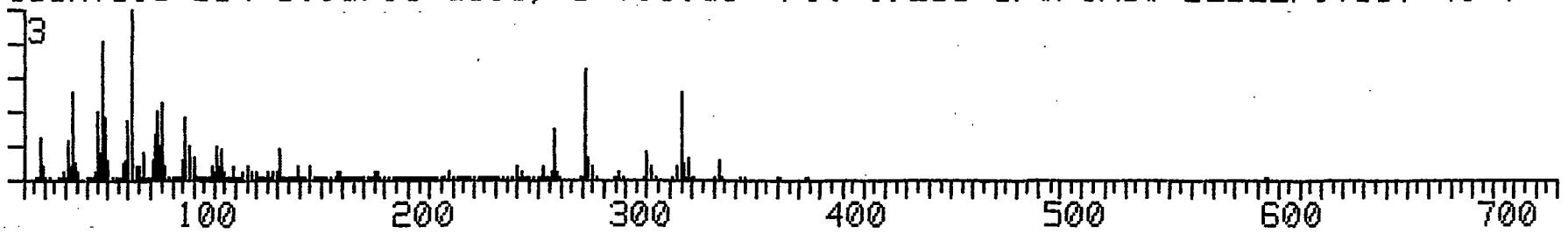
C17H3603 288 1,2-Propanediol, 3-(te Fit 0.252 SP#/CAS# 34701/1561-06-4



C69H13406 1058 Docosanoic acid, 1,2 Fit 0.239 SP#/CAS# 53950/18641-57-1



C39H7803 594 Stearic acid, 3-(octad Fit 0.236 SP#/CAS# 52522/17367-40-7



C38H7403 578 9-Octadecenoic acid, 2-(octadecyloxy)ethyl ester

000396

NISTEPA Library Search

File name: DUO:[301,3]EQK08
Comments: EQK08 EXTR03 **UNKNOWN HYDROCARBON**
Scan Number: 2613
Retention time: 22.55 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

Rank 1 Spectrum 9735
C.A.S 56771-77-8
Fit 0.496
C7H8O4 156 4-Hexenoic acid, 3-methyl-2,6-dioxo-

Rank 2 Spectrum 10002
C.A.S 2937-53-3
Fit 0.459
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 3 Spectrum 9930
C.A.S 31104-61-7
Fit 0.439
C10H20O 156 Cyclohexanol, 3-methyl-2-(1-methylethyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 4 Spectrum 9960
C.A.S 490-99-3
Fit 0.385
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.beta.)-

Rank 5 Spectrum 9911
C.A.S 21129-27-1
Fit 0.376
C10H20O 156 Cyclohexanol, 1-methyl-4-(1-methylethyl)-

Rank 6 Spectrum 9935
C.A.S 1490-04-6
Fit 0.350
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-

Rank 7 Spectrum 6886
C.A.S 1194-44-1
Fit 0.346
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 8 Spectrum 9906
C.A.S 15356-70-4
Fit 0.339
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.alpha.)-(.+/-.)-

Rank 9 Spectrum 12291
C.A.S 85351-05-9
Fit 0.316
C11H21N 167 3-Methyldecanenitrile

Rank 10 Spectrum 9950
C.A.S 112-31-2

NISTEPA Forward Library Search

TIC = 149638

Injection Date: 07-MAY-92 Time: 16:42:06

100% = 11632

Filename: DU0:[301,3]EQK08

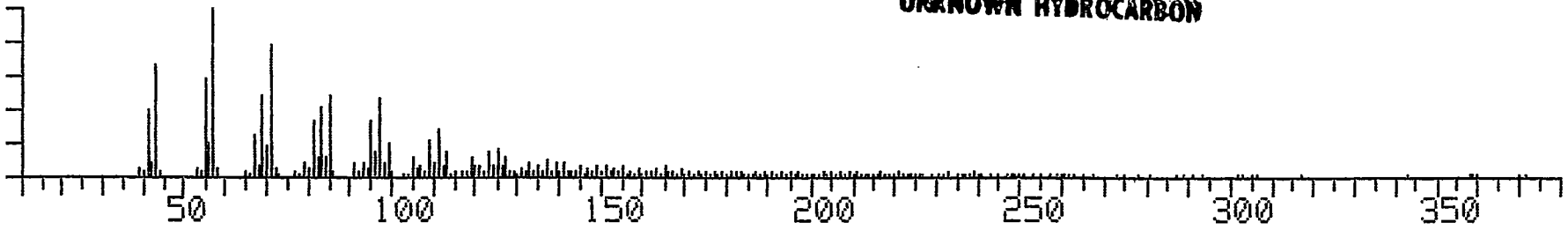
Comments:

EQK08 EXTR03

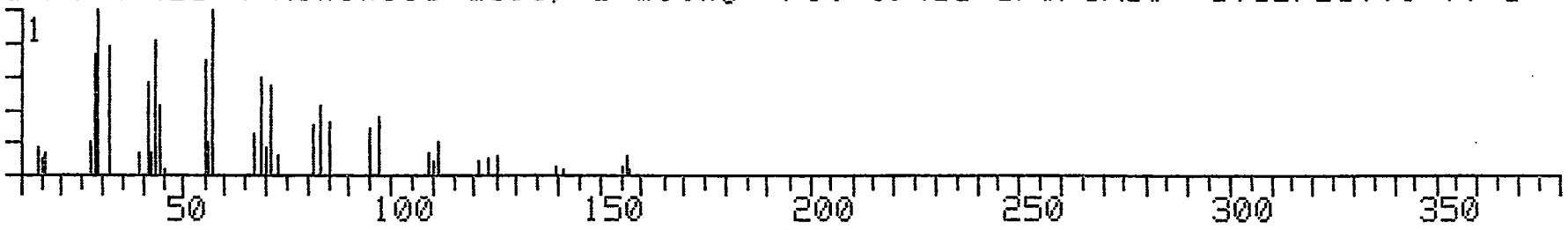
000398

SCANS: 2613-2613 NO BACKGROUND SCANS

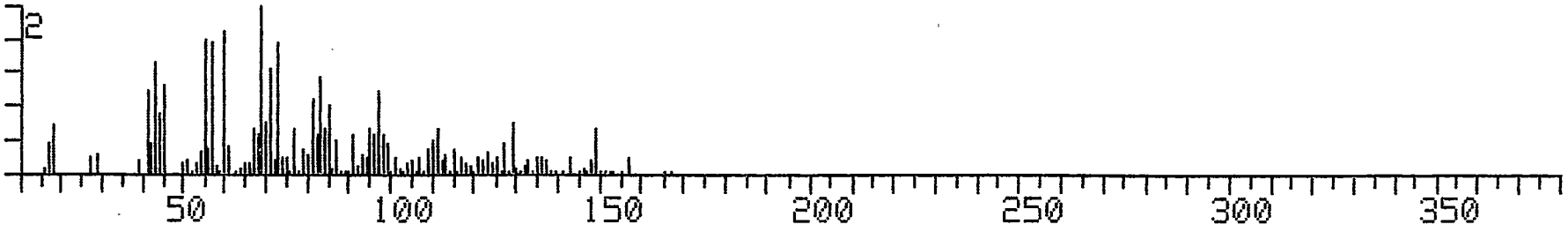
UNKNOWN HYDROCARBON



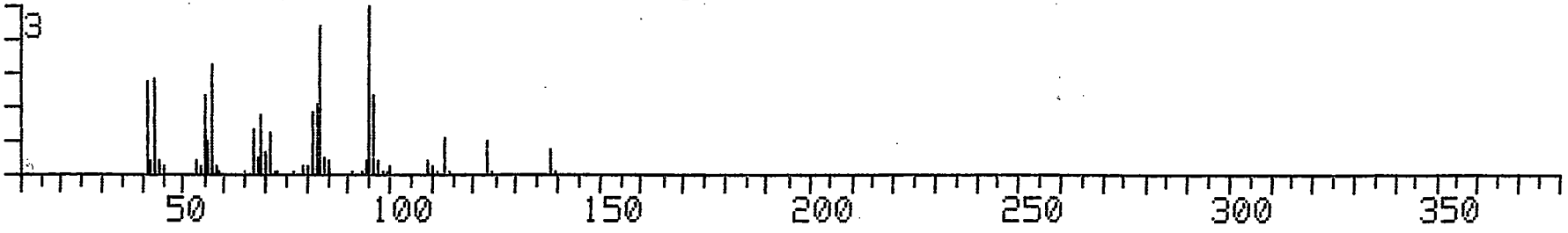
C7H8O4 156 4-Hexenoic acid, 3-methy Fit 0.496 SP#/CAS# 9735/56771-77-8



C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.459 SP#/CAS# 10002/2937-53-3



C10H20O 156 Cyclohexanol, 3-methyl- Fit 0.439 SP#/CAS# 9930/31104-61-7



Fit 0.297
C10H20O 156 Decanal

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2655
Background Scans * 1.00 2649
Retention time: 22.88 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6886
C.A.S 1194-44-1
Fit 0.321
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 2 Spectrum 9459
C.A.S 54244-81-4
Fit 0.309
C10H18O 154 Cyclohexanol, 2-methyl-3-(1-methylethenyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 3 Spectrum 6731
C.A.S 55702-53-9
Fit 0.306
C4H6N4O2 142 1,3,5-Triazine-2,4(1H,3H)-dione, 6-(methylamino)-

Rank 4 Spectrum 4317
C.A.S 17429-02-6
Fit 0.294
C7H12O2 128 Cyclohexanone, 4-hydroxy-4-methyl-

Rank 5 Spectrum 4455
C.A.S 50639-00-4
Fit 0.293
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

Rank 6 Spectrum 6952
C.A.S 31502-14-4
Fit 0.292
C9H18O 142 2-Nonen-1-ol, (E)-

Rank 7 Spectrum 6536
C.A.S 29053-04-1
Fit 0.275
C10H20 140 Cyclopentane, 1-methyl-3-(2-methylpropyl)-

Rank 8 Spectrum 6490
C.A.S 60784-31-8
Fit 0.274
C9H16O 140 2-Nonenal, (Z)-

Rank 9 Spectrum 6565
C.A.S 21328-57-4
Fit 0.270
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 10 Spectrum 6979
C.A.S 56740-09-1
Fit 0.263
C9H18O 142 trans-4,5-Epoxynonane

NISTEPA Forward Library Search

TIC = 23270

Injection Date: 07-MAY-92 Time: 16:42:06

100% = 2560

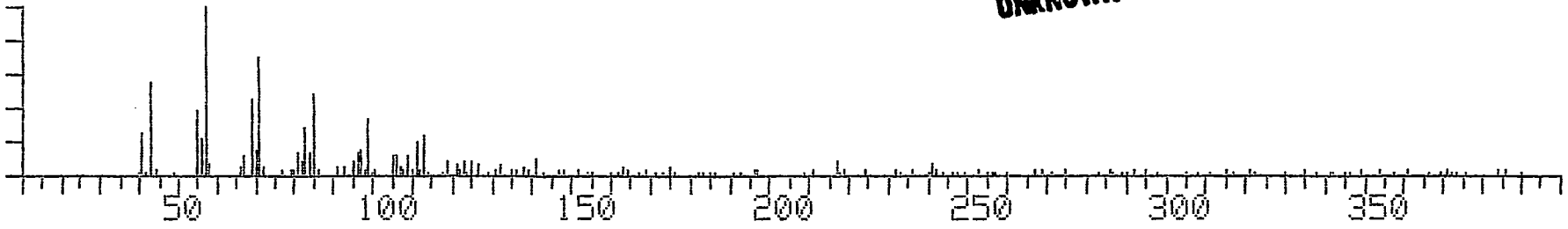
Filename: SY0:EQK08

Comments:

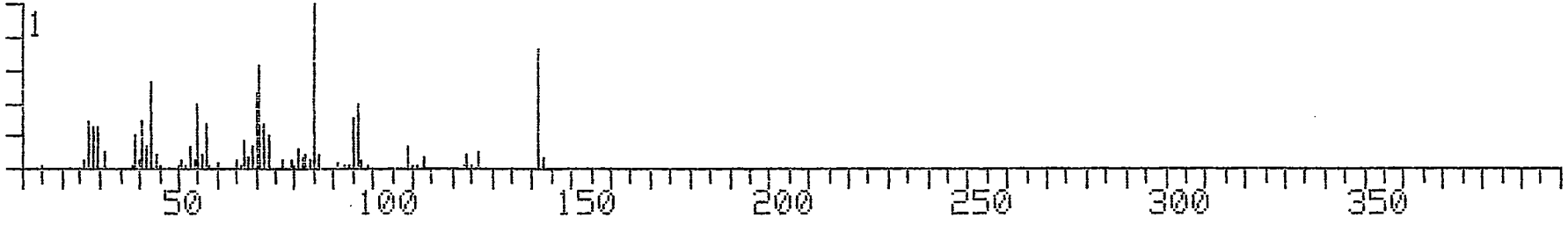
EQK08 EXTR03

SCANS: 2655-2655 BKG * 1.00 2649

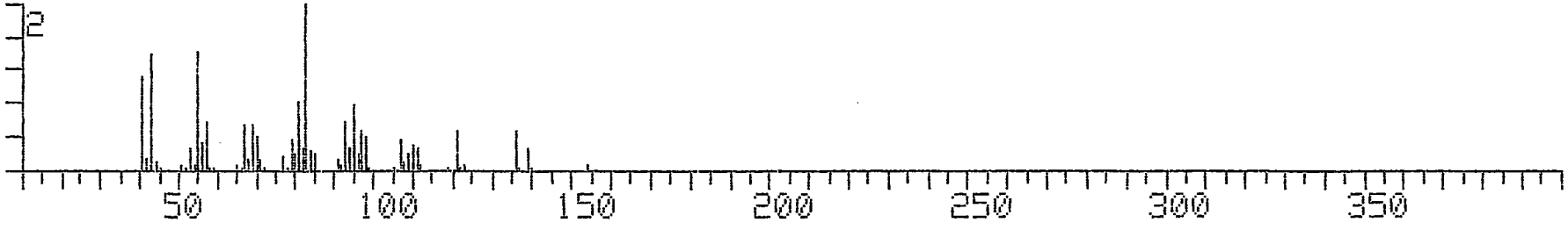
UNKNOWN HYDROCARBON



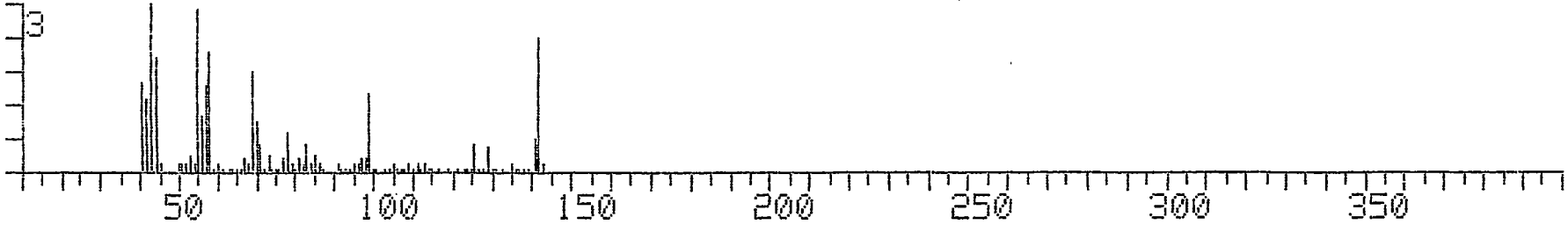
C8H14O2 142 Bicyclo[2.2.2]octane-1, Fit 0.321 SP#/CAS# 6886/1194-44-1



C10H18O 154 Cyclohexanol, 2-methyl- Fit 0.309 SP#/CAS# 9459/54244-81-4



C4H6N4O2 142 1,3,5-Triazine-2,4(1H, Fit 0.306 SP#/CAS# 6731/55702-53-9



000400

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2680
Background Scans * 1.00 2673
Retention time: 23.08 min.
Date: 07-MAY-92 Time: 16:42:06 **UNKNOWN HYDROCARBON**

Forward Search

Rank 1 Spectrum 9905
C.A.S 103-44-6
Fit 0.346
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 2 Spectrum 10366
C.A.S 10042-59-8
Fit 0.338
C10H22O 158 1-Heptanol, 2-propyl-

Rank 3 Spectrum 9979
C.A.S 17302-23-7
Fit 0.301
C11H24 156 Nonane, 4,5-dimethyl-

Rank 4 Spectrum 6886
C.A.S 1194-44-1
Fit 0.300
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 5 Spectrum 10356
C.A.S 2370-14-1
Fit 0.298
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 6 Spectrum 9976
C.A.S 62016-18-6
Fit 0.295
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 7 Spectrum 6731
C.A.S 55702-53-9
Fit 0.286
C4H6N4O2 142 1,3,5-Triazine-2,4(1H,3H)-dione, 6-(methylamino)-

Rank 8 Spectrum 9943
C.A.S 37769-62-3
Fit 0.284
C10H20O 156 Isooctane, (ethenyloxy)-

Rank 9 Spectrum 9971
C.A.S 62016-34-6
Fit 0.284
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 10 Spectrum 4455
C.A.S 50639-00-4
Fit 0.277
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

Comments:

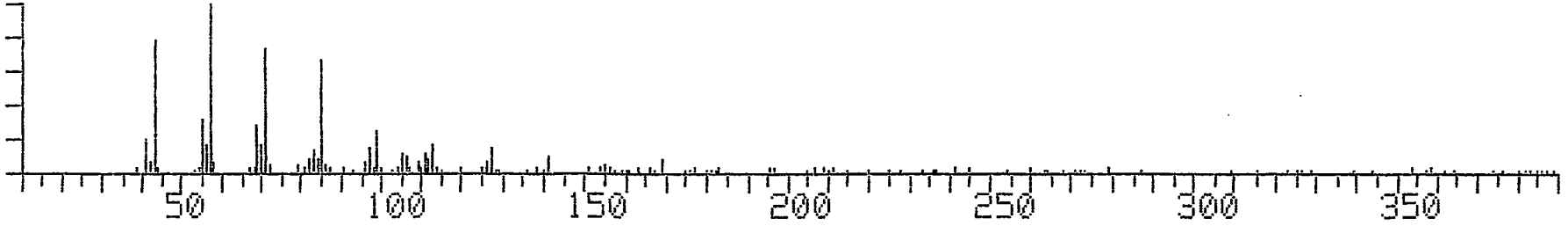
EQK08 EXTR03

TIC = 29335

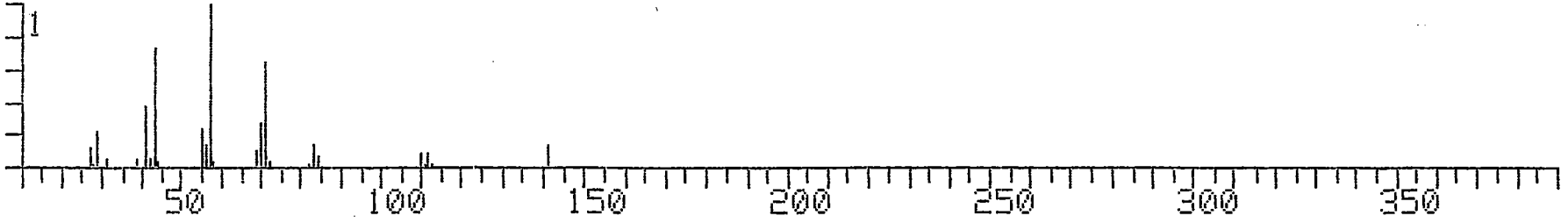
100% = 3776

SCANS: 2680-2680 BKG * 1.00 2673

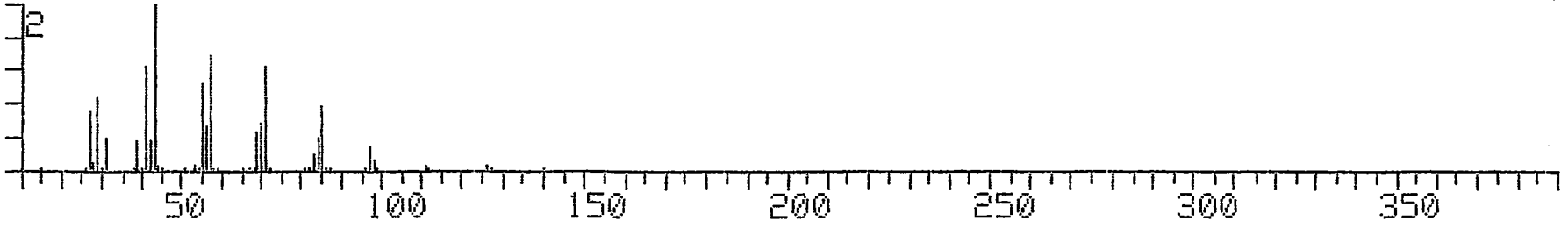
UNKNOWN HYDROCARBON



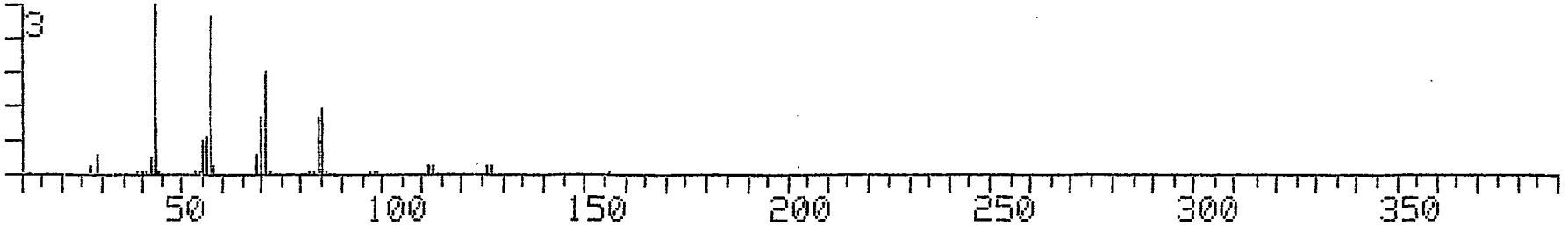
C10H20O 156 Heptane, 3-[(ethenyloxy Fit 0.346 SP#/CAS# 9905/103-44-6



C10H22O 158 1-Heptanol, 2-propyl- Fit 0.338 SP#/CAS# 10366/10042-59-8



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.301 SP#/CAS# 9979/17302-23-7



000402

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2703
Background Scans * 1.00 2694
Retention time: 23.27 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN

Forward Search

Rank 1 Spectrum 49085
C.A.S 544-85-4
Fit 0.544
C32H66 450 Dotriacontane

Rank 2 Spectrum 52339
C.A.S 35545-51-8
Fit 0.537
C39H80O2 580 Octadecane, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-

Rank 3 Spectrum 52648
C.A.S 7098-21-7
Fit 0.471
C43H88 604 Tritetracontane

Rank 4 Spectrum 50624
C.A.S 630-07-9
Fit 0.468
C35H72 492 Pentatriacontane

Rank 5 Spectrum 43604
C.A.S 630-01-3
Fit 0.468
C26H54 366 Hexacosane

Rank 6 Spectrum 35843
C.A.S 1560-84-5
Fit 0.464
C21H44 296 Eicosane, 2-methyl-

Rank 7 Spectrum 53386
C.A.S 55256-07-0
Fit 0.464
C50H102 702 Tetratriacontane, 17-hexadecyl-

Rank 8 Spectrum 37668
C.A.S 629-97-0
Fit 0.464
C22H46 310 Docosane

Rank 9 Spectrum 44713
C.A.S 593-49-7
Fit 0.463
C27H56 380 Heptacosane

Rank 10 Spectrum 50192
C.A.S 14167-59-0
Fit 0.458
C34H70 478 Tetratriacontane

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

Comments:

EQK08 EXTR03

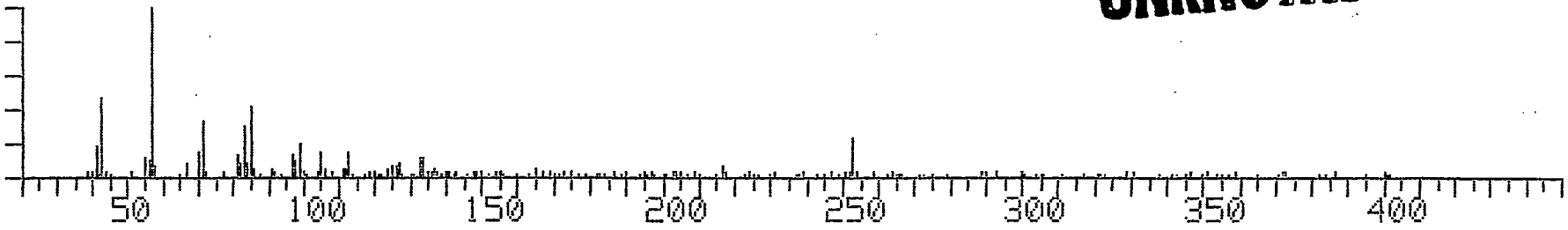
TIC = 22218

100% = 3024

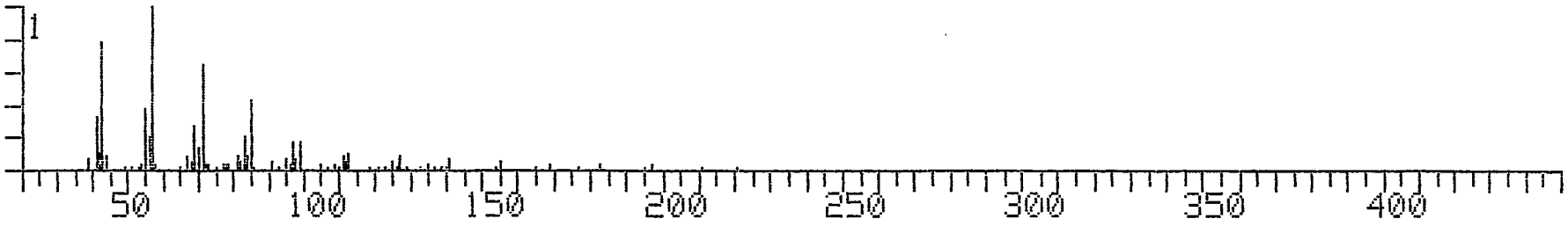
000404

UNKNOWN

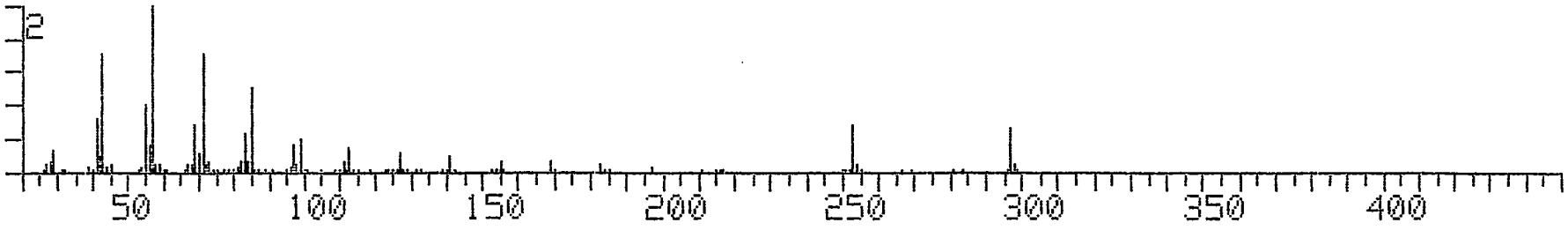
SCANS: 2703-2703 BKG * 1.00 2694



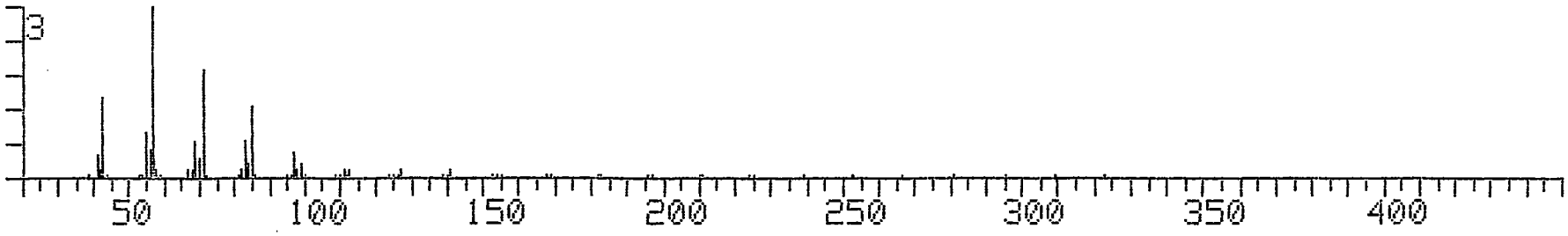
C32H66 450 Dotriacontane Fit 0.544 SP#/CAS# 49085/544-85-4



C39H80O2 580 Octadecane, 1,1'-[(1-m Fit 0.537 SP#/CAS# 52339/35545-51-8



C43H88 604 Tritetracontane Fit 0.471 SP#/CAS# 52648/7098-21-7



NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2764
Background Scans * 1.00 2758
Retention time: 23.73 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN

Forward Search

Rank 1 Spectrum 49085
C.A.S 544-85-4
Fit 0.442
C32H66 450 Dotriacontane

Rank 2 Spectrum 51652
C.A.S 17367-10-1
Fit 0.440
C36H74O2 538 Octadecane, 1-[2-(hexadecyloxy)ethoxy]-

Rank 3 Spectrum 52339
C.A.S 35545-51-8
Fit 0.427
C39H80O2 580 Octadecane, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-

Rank 4 Spectrum 31807
C.A.S 55000-30-1
Fit 0.406
C18H36O 268 Cyclohexanol, dodecyl-

Rank 5 Spectrum 52337
C.A.S 28843-25-6
Fit 0.396
C38H76O3 580 Octadecanoic acid, 2-(octadecyloxy)ethyl ester

Rank 6 Spectrum 51366
C.A.S 28843-32-5
Fit 0.389
C34H68O3 524 Hexadecanoic acid, 2-(hexadecyloxy)ethyl ester

Rank 7 Spectrum 46264
C.A.S 78517-64-3
Fit 0.387
C21H23NO7 401 Colchifoleine

Rank 8 Spectrum 41411
C.A.S 6068-80-0
Fit 0.386
C18H16O7 344 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5-dihydr
oxy-7-methoxy-

Rank 9 Spectrum 51946
C.A.S 29899-13-6
Fit 0.385
C36H72O3 552 Hexadecanoic acid, 2-(octadecyloxy)ethyl ester

Rank 10 Spectrum 52139
C.A.S 17367-12-3
Fit 0.383
C38H76O2 564 9-Octadecene, 1-[2-(octadecyloxy)ethoxy]-, (Z)-

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 16:42:06

Filename: SY0:EQK08

Comments:

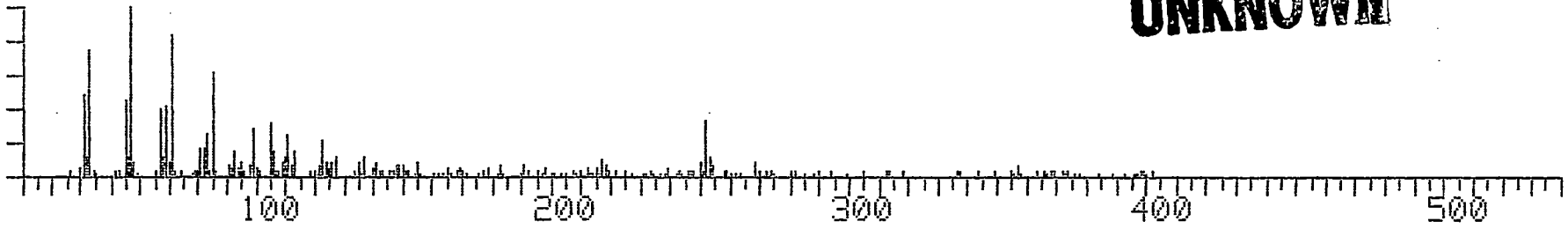
EQK08 EXTR03

TIC = 30628

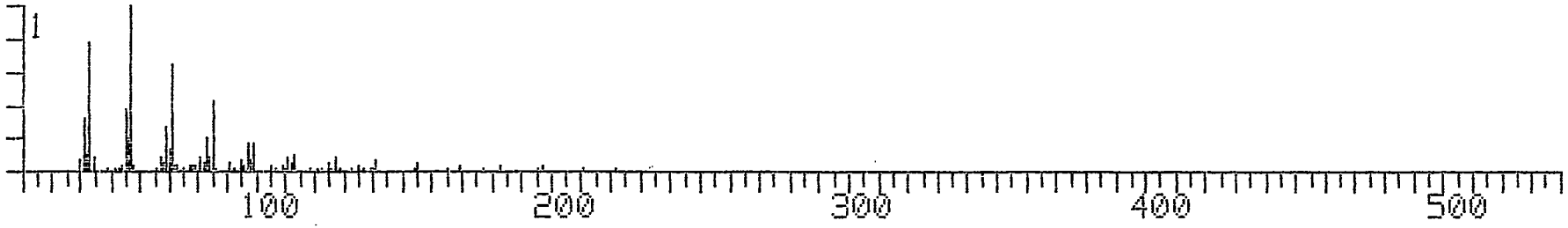
100% = 2432

SCANS: 2764-2764 BKG * 1.00 2758

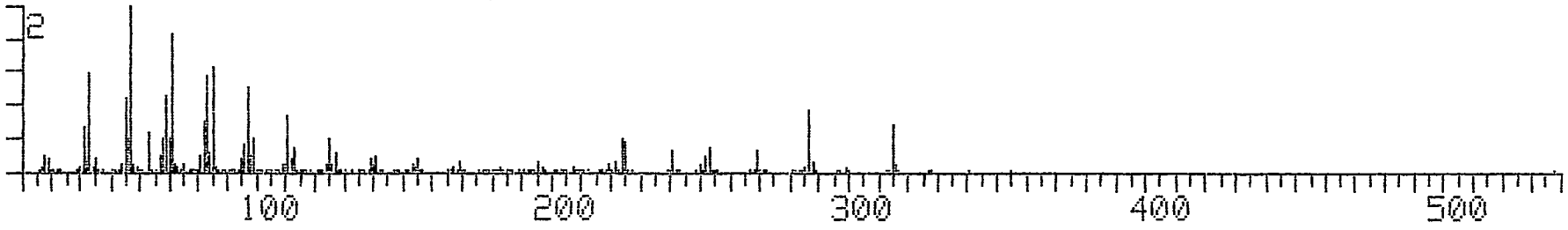
UNKNOWN



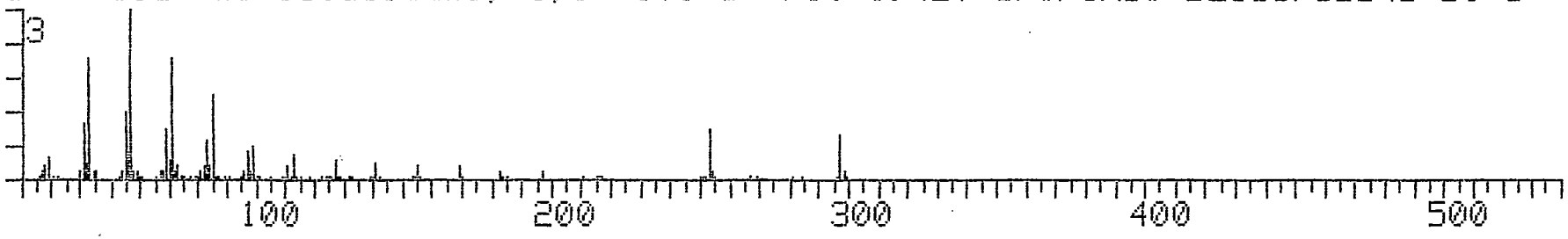
C32H66 450 Dotriacontane Fit 0.442 SP#/CAS# 49085/544-85-4



C36H7402 538 Octadecane, 1-[2-(hexa Fit 0.440 SP#/CAS# 51652/17367-10-1



C39H8002 580 Octadecane, 1,1'-[(1-m Fit 0.427 SP#/CAS# 52339/35545-51-8



000406

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2869
Background Scans * 1.00 2861
Retention time: 24.57 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 34701
C.A.S 1561-06-4
Fit 0.394
C17H36O3 288 1,2-Propanediol, 3-(tetradecyloxy)-

Rank 2 Spectrum 33855
C.A.S 638-36-8
Fit 0.375
C20H42 282 Hexadecane, 2,6,10,14-tetramethyl-

Rank 3 Spectrum 35850
C.A.S 629-94-7
Fit 0.366
C21H44 296 Heneicosane

Rank 4 Spectrum 31807
C.A.S 55000-30-1
Fit 0.363
C18H36O 268 Cyclohexanol, dodecyl-

Rank 5 Spectrum 33852
C.A.S 13287-24-6
Fit 0.356
C20H42 282 Nonadecane, 9-methyl-

Rank 6 Spectrum 35843
C.A.S 1560-84-5
Fit 0.350
C21H44 296 Eicosane, 2-methyl-

Rank 7 Spectrum 29561
C.A.S 13287-23-5
Fit 0.343
C18H38 254 Heptadecane, 8-methyl-

Rank 8 Spectrum 35847
C.A.S 75163-99-4
Fit 0.336
C21H44 296 Nonadecane, 2,3-dimethyl-

Rank 9 Spectrum 31819
C.A.S 1921-70-6
Fit 0.334
C19H40 268 Pentadecane, 2,6,10,14-tetramethyl-

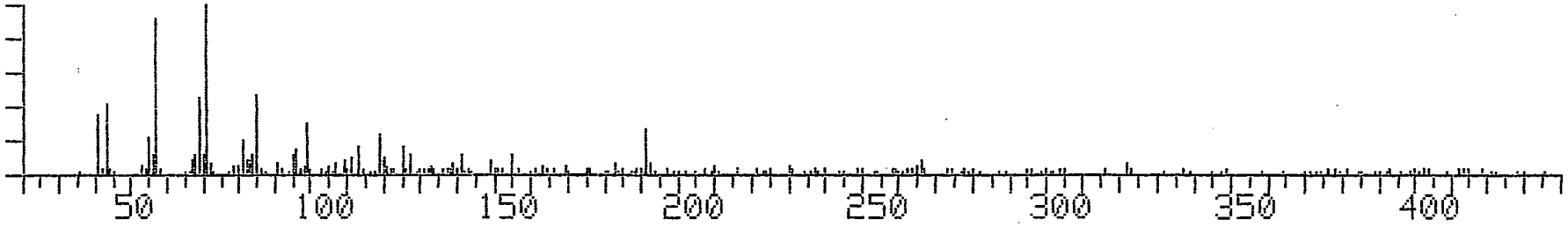
Rank 10 Spectrum 27204
C.A.S 14905-56-7
Fit 0.331
C17H36 240 Tetradecane, 2,6,10-trimethyl-

NISTEPA Forward Library Search TIC = 28138
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 2736
Filename: SY0:EQK08
Comments:
EQK08 EXTR03

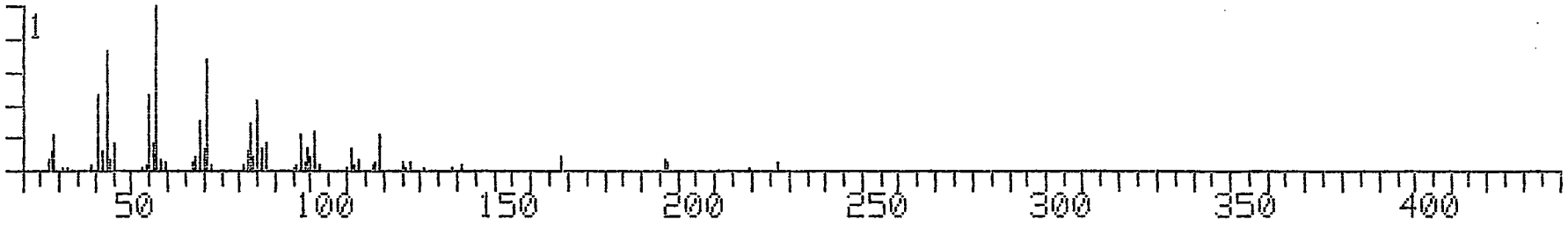
000408

SCANS: 2869-2869 BKG * 1.00 2861

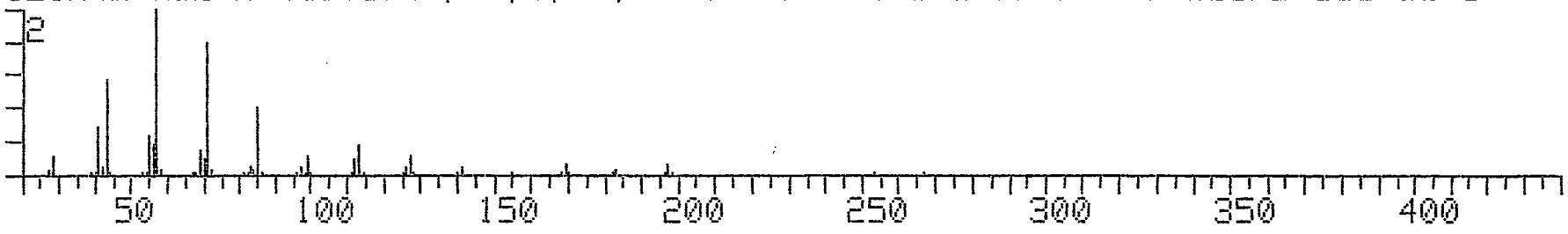
UNKNOWN HYDROCARBON



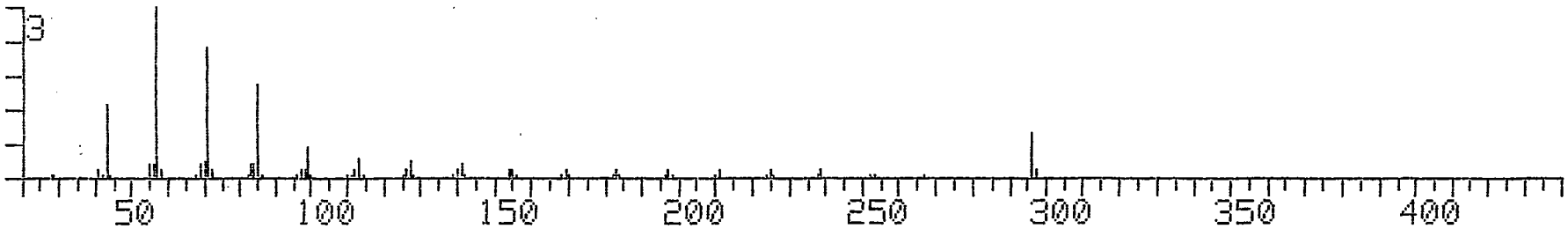
C17H36O3 288 1,2-Propanediol, 3-(te Fit 0.394 SP#/CAS# 34701/1561-06-4



C20H42 282 Hexadecane, 2,6,10,14-te Fit 0.375 SP#/CAS# 33855/638-36-8



C21H44 296 Heneicosane Fit 0.366 SP#/CAS# 35850/629-94-7



NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2898
Background Scans * 1.00 2892
Retention time: 24.80 min.
Date: 07-MAY-92 Time: 16:42:06 **UNKNOWN HYDROCARBON**

Forward Search

Rank 1 Spectrum 49085
C.A.S 544-85-4
Fit 0.515
C32H66 450 Dotriacontane

Rank 2 Spectrum 43597
C.A.S 55282-12-7
Fit 0.428
C26H54 366 Octadecane, 3-ethyl-5-(2-ethylbutyl)-

Rank 3 Spectrum 52339
C.A.S 35545-51-8
Fit 0.408
C39H80O2 580 Octadecane, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-

Rank 4 Spectrum 53931
C.A.S 40710-32-5
Fit 0.405
C69H138O2 998 Nonahexacontanoic acid

Rank 5 Spectrum 47546
C.A.S 18296-44-1
Fit 0.403
C22H30O8 422 Valtrate

Rank 6 Spectrum 53386
C.A.S 55256-07-0
Fit 0.402
C50H102 702 Tetratriacontane, 17-hexadecyl-

Rank 7 Spectrum 53387
C.A.S 55256-08-1
Fit 0.402
C50H102 702 Tritriacontane, 13-decyl-13-heptyl-

Rank 8 Spectrum 52647
C.A.S 55320-13-3
Fit 0.399
C43H88 604 Tetracosane, 12-decyl-12-nonyl-

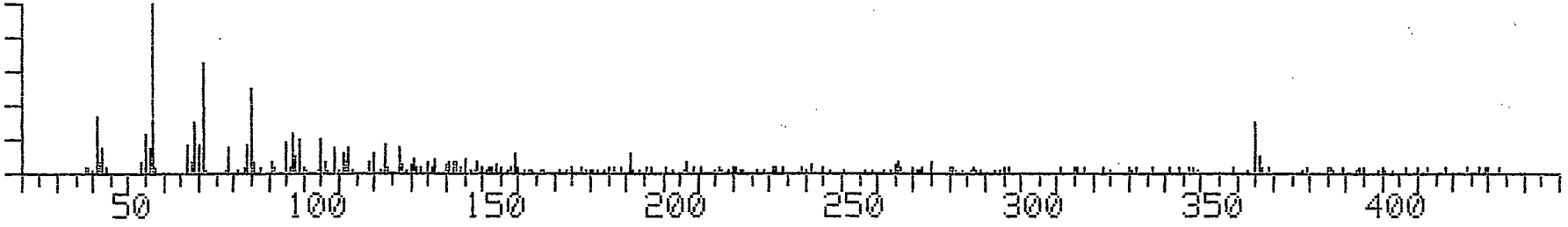
Rank 9 Spectrum 46264
C.A.S 78517-64-3
Fit 0.399
C21H23NO7 401 Colchifoleine

Rank 10 Spectrum 46048
C.A.S 5234-53-7
Fit 0.398
C28H46O 398 5.alpha.-Cholest-8-en-3-one, 14-methyl-

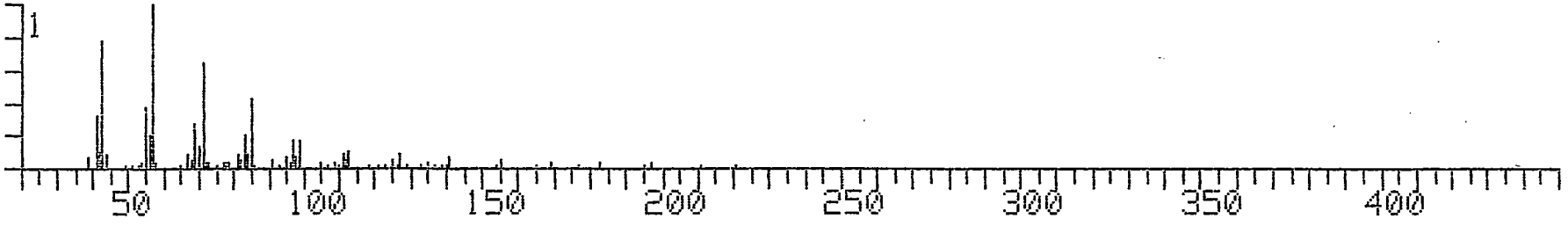
NISTEPA Forward Library Search TIC = 21966
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 2192
Filename: SY0:EQK08
Comments:
EQK08 EXTR03

UNKNOWN HYDROCARBON

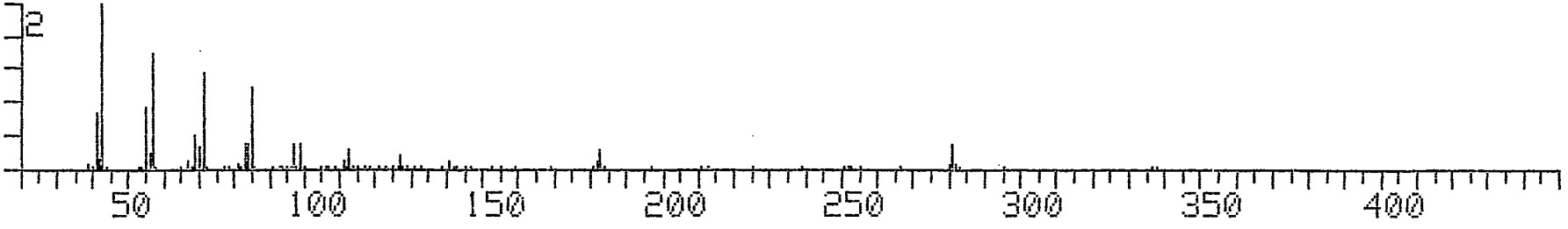
SCANS: 2898-2898 BKG * 1.00 2892



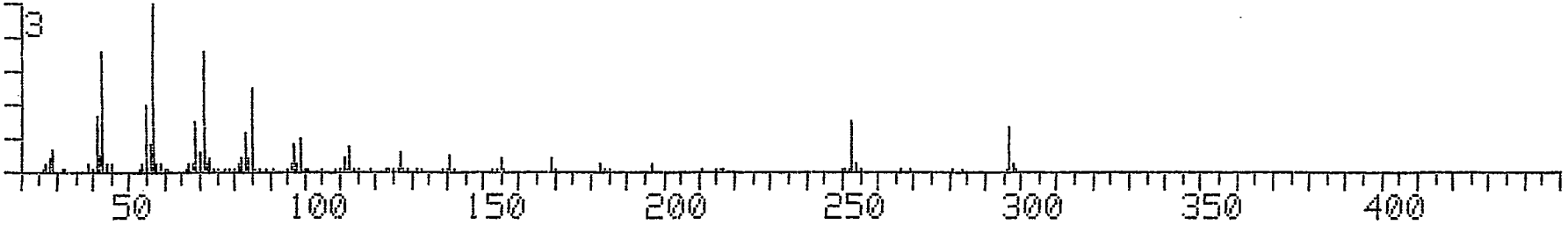
C32H66 450 Dotriacontane Fit 0.515 SP#/CAS# 49085/544-85-4



C26H54 366 Octadecane, 3-ethyl-5-(2 Fit 0.428 SP#/CAS# 43597/55282-12-7



C39H80O2 580 Octadecane, 1,1'-[(1-m Fit 0.408 SP#/CAS# 52339/35545-51-8



000410

NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2951
Background Scans * 1.00 2945
Retention time: 25.22 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 43597
C.A.S 55282-12-7
Fit 0.445
C26H54 366 Octadecane, 3-ethyl-5-(2-ethylbutyl)-

Rank 2 Spectrum 31807
C.A.S 55000-30-1
Fit 0.437
C18H36O 268 Cyclohexanol, dodecyl-

Rank 3 Spectrum 37668
C.A.S 629-97-0
Fit 0.419
C22H46 310 Docosane

Rank 4 Spectrum 33855
C.A.S 638-36-8
Fit 0.396
C20H42 282 Hexadecane, 2,6,10,14-tetramethyl-

Rank 5 Spectrum 44713
C.A.S 593-49-7
Fit 0.395
C27H56 380 Heptacosane

Rank 6 Spectrum 45069
C.A.S 112-04-9
Fit 0.388
C18H37Cl3Si 386 Silane, trichlorooctadecyl-

Rank 7 Spectrum 22037
C.A.S 3891-98-3
Fit 0.384
C15H32 212 Dodecane, 2,6,10-trimethyl-

Rank 8 Spectrum 40895
C.A.S 646-31-1
Fit 0.383
C24H50 338 Tetracosane

Rank 9 Spectrum 44715
C.A.S 55282-28-5
Fit 0.378
C27H56 380 Heptadecane, 8,8-dipentyl-

Rank 10 Spectrum 34701
C.A.S 1561-06-4
Fit 0.375
C17H36O3 288 1,2-Propanediol, 3-(tetradecyloxy)-

NISTEPA Forward Library Search TIC = 23267

Injection Date: 07-MAY-92 Time: 16:42:06 100% = 2416

Filename: SY0:EQK08

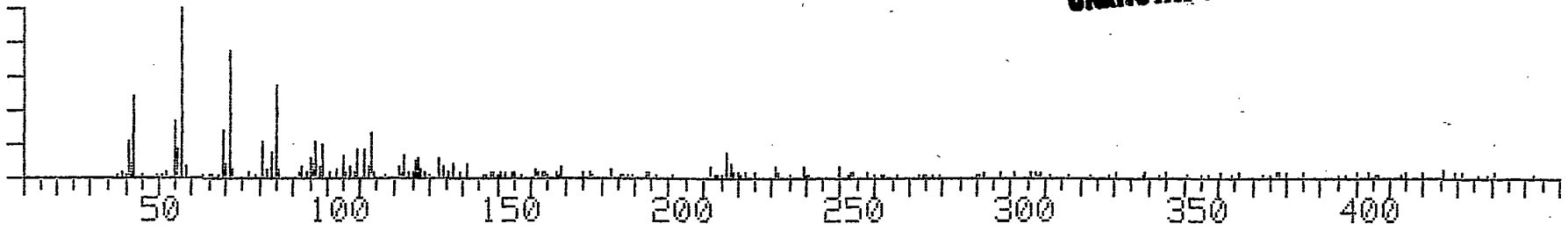
Comments:

EQK08 EXTR03

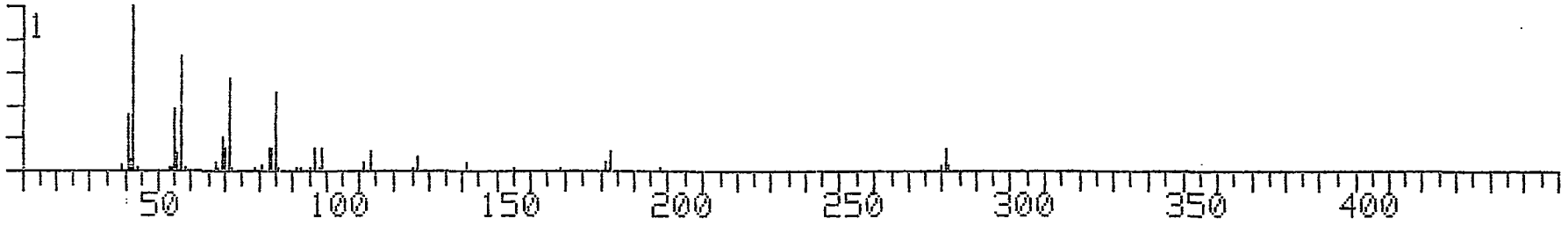
000412

SCANS: 2951-2951 BKG * 1.00 2945

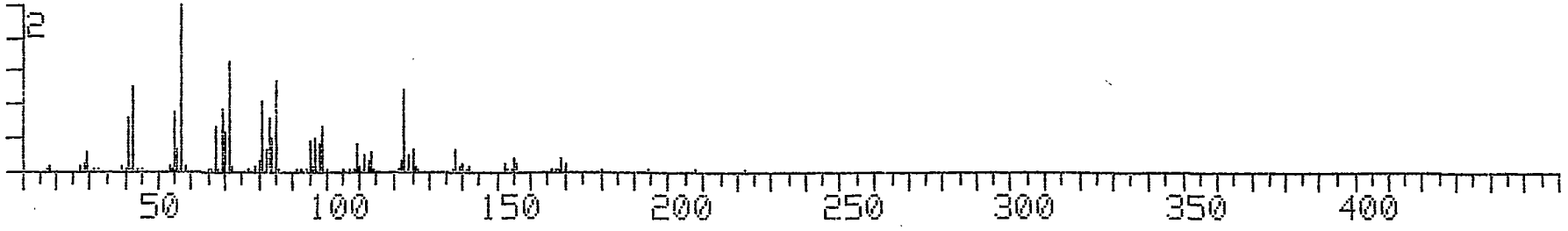
UNKNOWN HYDROCARBON



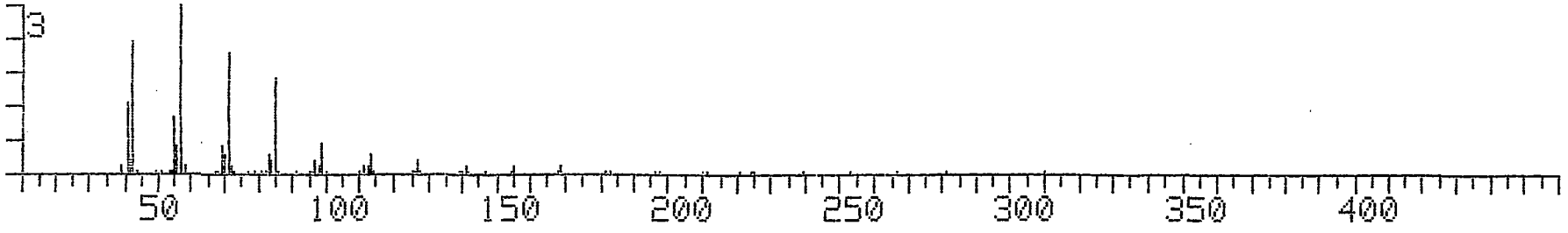
C26H54 366 Octadecane, 3-ethyl-5-(2 Fit 0.445 SP#/CAS# 43597/55282-12-7



C18H36O 268 Cyclohexanol, dodecyl- Fit 0.437 SP#/CAS# 31807/55000-30-1



C22H46 310 Docosane Fit 0.419 SP#/CAS# 37668/629-97-0



NISTEPA Library Search

File name: SYO:EQK08
Comments: EQK08 EXTR03
Scan Number: 2969
Background Scans * 1.00 2963
Retention time: 25.35 min.
Date: 07-MAY-92 Time: 16:42:06

UNKNOWN

Forward Search

Rank 1 Spectrum 47135
C.A.S 36441-74-4
Fit 0.620
C30H54 414 Baccharane

Rank 2 Spectrum 30862
C.A.S 5153-92-4
Fit 0.513
C18H30O 262 1H-Naphtho[2,1-b]pyran, 4a,5,6,6a,7,8,9,10,10a,10b-decahydro-3,4a,7,7,10a-pentamethyl-, [4aR-(4a.alpha.,6a.beta.,10a.alpha.,10b.beta.)]-

Rank 3 Spectrum 30863
C.A.S 55638-41-0
Fit 0.511
C18H30O 262 5-Octen-2-one, 6-methyl-8-(2,6,6-trimethyl-1-cyclohexen-1-yl)-

Rank 4 Spectrum 38183
C.A.S 39707-54-5
Fit 0.500
C21H30O2 314 1,4-Benzenediol, 2-[(decahydro-5,5,8a-trimethyl-2-methylene-1-naphthalenyl)methyl]-, [1R-(1.alpha.,4a.beta.,8a.alpha.)]-

Rank 5 Spectrum 47945
C.A.S 18671-57-3
Fit 0.482
C30H52O 428 D:A-Friedooleanan-7-ol, (7.alpha.)-

Rank 6 Spectrum 43050
C.A.S 55334-01-5
Fit 0.469
C26H48 360 Phenanthrene, 9-dodecyltetradecahydro-

Rank 7 Spectrum 31391
C.A.S 5090-67-5
Fit 0.449
C15H22O4 266 Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dihydroxy-6,9a-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.beta.,6a.alpha.,8.alpha.,9.alpha.,9a.beta.,9b.alpha.)]-

Rank 8 Spectrum 47832
C.A.S 13952-76-6
Fit 0.432
C30H50O 426 Lup-20(29)-en-28-ol

Rank 9 Spectrum 38868
C.A.S 1438-55-7
Fit 0.423
C21H36O2 320 1-Naphthalenepentanoic acid, 1,4,4a,5,6,7,8,8a-octahydro-.beta.,2,5,5,8a-pentamethyl-, methyl ester, [1S-[1.alpha.(R),4a.beta.,8a.alpha.]]-

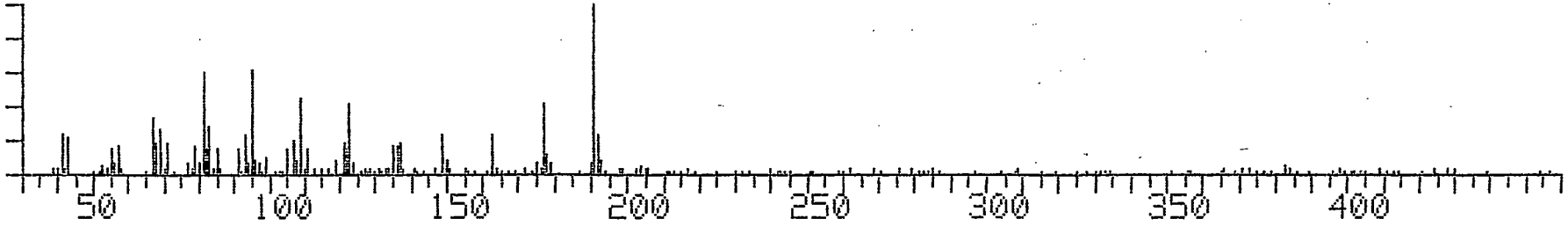
000413

NISTEPA Forward Library Search TIC = 41667
Injection Date: 07-MAY-92 Time: 16:42:06 100% = 3614
Filename: SY0:EQK08
Comments:
EQK08 EXTR03

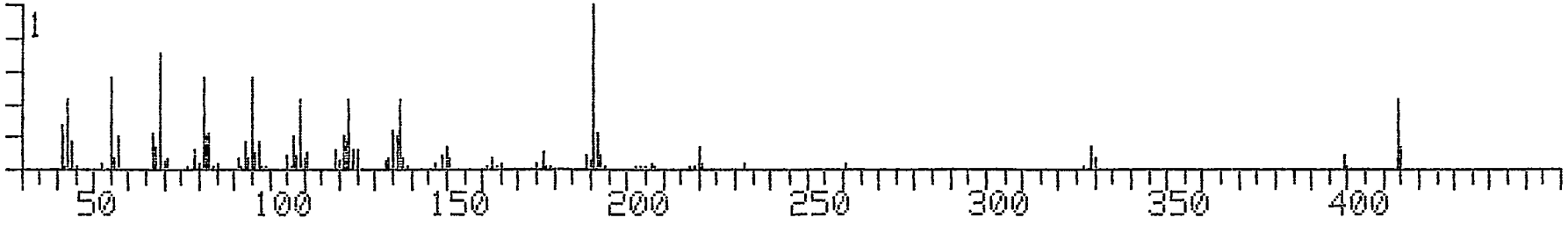
UNKNOWN

000414

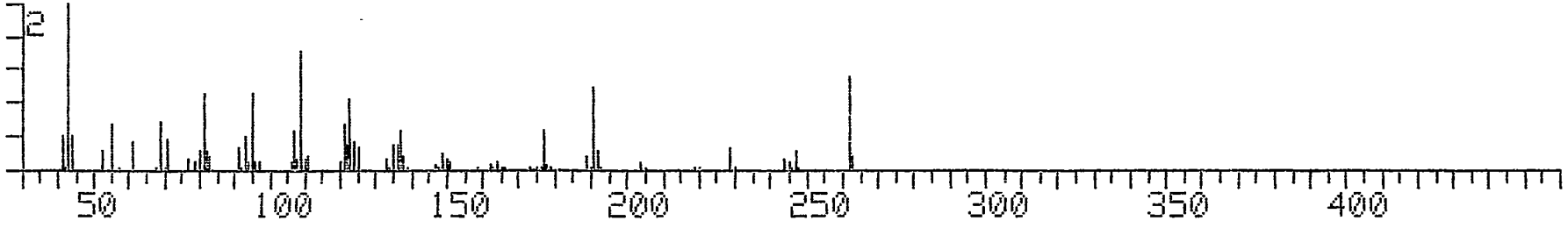
SCANS: 2969-2969 BKG * 1.00 2963



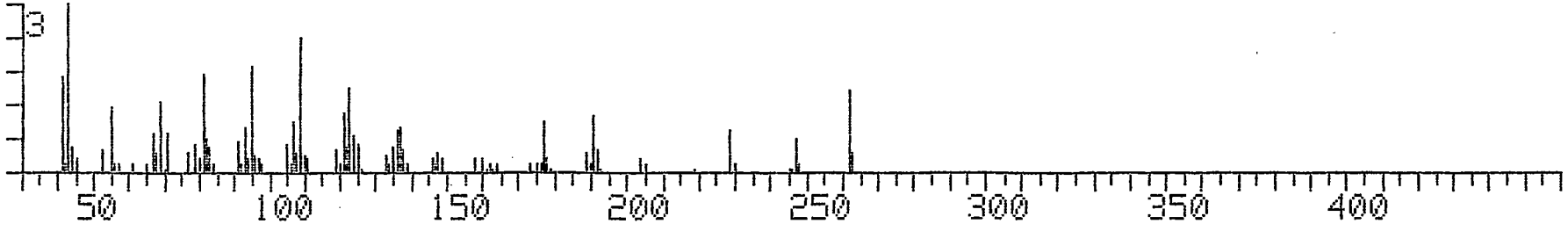
C30H54 414 Baccharane Fit 0.620 SP#/CAS# 47135/36441-74-4



C18H30O 262 1H-Naphtho[2,1-b]pyran, Fit 0.513 SP#/CAS# 30862/5153-92-4



C18H30O 262 5-Octen-2-one, 6-methyl Fit 0.511 SP#/CAS# 30863/55638-41-0



NISTEPA Library Search

File name: DUO:[301,3]EQK08
Comments: EQK08 EXTR03
Scan Number: 3032
Retention time: 25.85 min.
Date: 07-MAY-92 Time: 16:42:06

Forward Search

UNKNOWN

Rank 1 Spectrum 31431
C.A.S 25377-73-5
Fit 0.637
C16H2603 266 2,5-Furandione, 3-(dodecenyl)dihydro-

Rank 2 Spectrum 33473
C.A.S 27696-09-9
Fit 0.497
C15H2005 280 Spiro[7H-cyclohepta[b]furan-7,2'(5'H)-furan]-2,5'(3H)-dione, octahydro-8-hydroxy-6,8-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.beta.,7.alpha.,8.beta.,8a.alpha.)]-

Rank 3 Spectrum 31444
C.A.S 29961-54-4
Fit 0.469
C17H3002 266 Hexadecadienoic acid, methyl ester

Rank 4 Spectrum 24365
C.A.S -0
Fit 0.404
C15H280 224 2,6-DIMETHYL-9-(1-METHYLETHYL)-1-CYCLODECANONE

Rank 5 Spectrum 33554
C.A.S 56009-20-2
Fit 0.393
C20H40 280 Cyclohexane, 1-(1,5-dimethylhexyl)-4-(4-methylpentyl)-

Rank 6 Spectrum 23943
C.A.S 4586-22-5
Fit 0.391
C15H260 222 4,8-Methanoazulen-9-ol, decahydro-2,2,4,8-tetramethyl-, stereoisomer

Rank 7 Spectrum 29217
C.A.S 17344-59-1
Fit 0.379
C17H320 252 9-Cycloheptadecen-1-ol

Rank 8 Spectrum 31477
C.A.S 56554-95-1
Fit 0.349
C18H340 266 11-Octadecenal

Rank 9 Spectrum 24372
C.A.S 4570-15-4
Fit 0.332
C15H280 224 5,9-Dimethyl-2-(1-methylethyl)-1-cyclodecanone

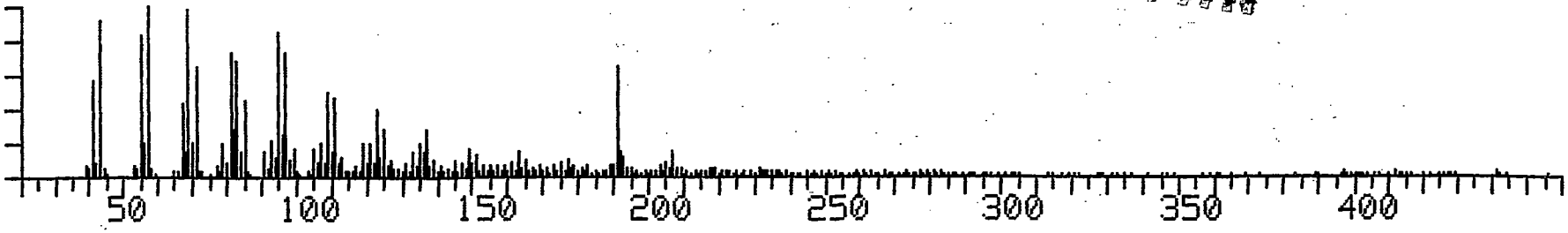
Rank 10 Spectrum 26411
C.A.S 21730-91-6

NISTEPA Forward Library Search
Injection Date: 07-MAY-92 Time: 16:42:06
Filename: DU0:[301,3]EQK08
Comments:
EQK08 EXTR03

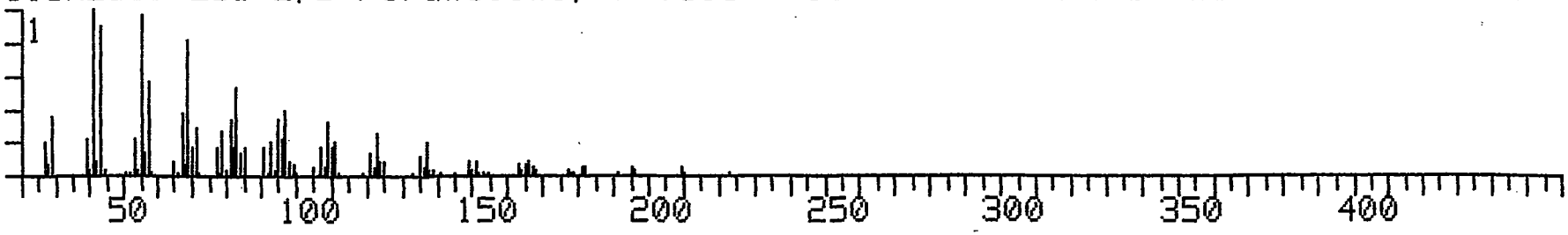
TIC = 153626
100% = 6832

UNKNOWN

SCANS: 3032-3032 NO BACKGROUND SCANS

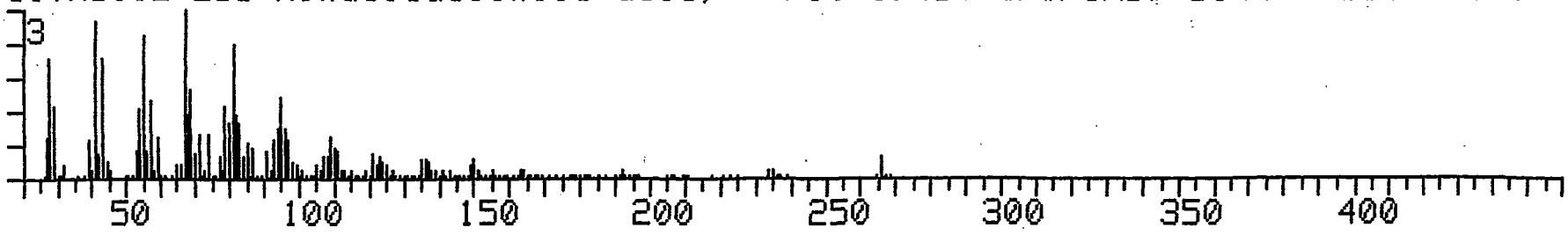


C16H2603 266 2,5-Furandione, 3-(dod Fit 0.637 SP#/CAS# 31431/25377-73-5



C15H2005 280 Spiro[7H-cycloheptа[b] Fit 0.497 SP#/CAS# 33473/27696-09-9

C17H3002 266 Hexadecadienoic acid, Fit 0.469 SP#/CAS# 31444/29961-54-4

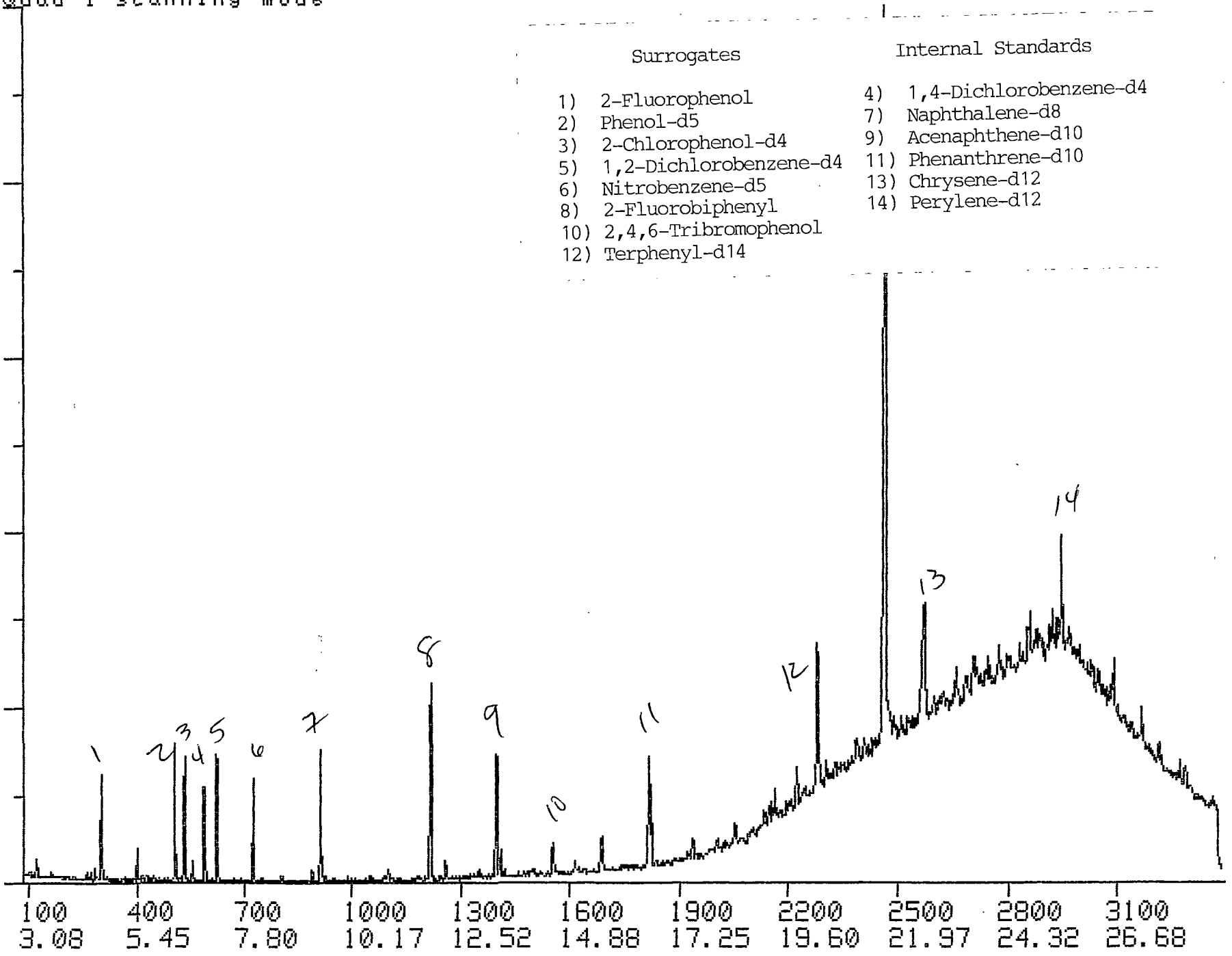


Fit 0.305
C15H2402 236 1-Buten-1-ol, 2-methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-, formate, (E)-

000416

SY0:EQK08RE EQK08 EXTR03 100%
18-MAY-92 14:25:57 821904
Total Ion Current
Quad 1 scanning mode

000420



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/8/92	I.S. AREAS OUT
EXTREL3 OP= TH	INITIAL AMT. = 30g	SURR REC. 'S OUT
DUO: [301, 10]	EXT VOL. = .5ml	DILUTION= 5x

Library used: SYO:CLP90
Data file name: SYO:EQK08RE
Injection time: 18-MAY-92 14:25:57
Comments:
EQK08 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

EXTREL 3

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.93	589					STD	1.00	40.0	NG
2S	9.48	914					STD	0.83	40.0	NG
3S	13.30	1399					STD	0.90	40.0	NG
4S	16.58	1817					STD	0.89	40.0	NG
5S	22.53	2572					STD	0.80	40.0	NG
6S	25.50	2950					STD	0.83	40.0	NG
~~1T~~	~~6.32~~	~~511~~	~~94. / 152.~~	~~1073. /~~	~~54189.~~	~~1~~	~~0.71~~	~~0.4~~	~~NG~~	
2T	Was Not Found									
3T	Is Below Specified Detection Limit									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
~~10T~~	~~8.02~~	~~728~~	~~70. / 152.~~	~~17501. /~~	~~54189.~~	~~1~~	~~0.54~~	~~13.8~~	~~NG~~	
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
~~19T~~	~~9.53~~	~~919~~	~~128. / 136.~~	~~4630. /~~	~~237686.~~	~~2~~	~~0.75~~	~~0.8~~	~~NG~~	
20T	Was Not Found									
21T	Was Not Found									
22T	Is Below Specified Detection Limit									
23T	Is Below Specified Detection Limit									
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
~~31T~~	~~13.30~~	~~1399~~	~~165. / 164.~~	~~19474. /~~	~~141804.~~	~~3~~	~~0.55~~	~~27.5~~	~~NG~~	
32T	Was Not Found									
~~33T~~	~~13.37~~	~~1408~~	~~153. / 164.~~	~~3100. /~~	~~141804.~~	~~3~~	~~0.67~~	~~1.0~~	~~NG~~	
34T	Was Not Found									
35T	Was Not Found									
~~36T~~	~~13.77~~	~~1457~~	~~168. / 164.~~	~~4020. /~~	~~141804.~~	~~3~~	~~0.81~~	~~0.9~~	~~NG~~	
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	14.52	1554	166. / 164.	3659. /	141804.	3	0.78	1.0	NG	
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	16.63	1823	178. / 188.	39311. /	205348.	4	0.96	8.5	NG	
48T	16.75	1837	178. / 188.	10051. /	205348.	4	0.88	2.3	NG	
49T	17.15	1888	167. / 188.	4083. /	205348.	4	0.80	1.0	NG	
50T	18.07	2005	149. / 188.	26050. /	205348.	4	0.88	5.8	NG	

000423

TLH 5/21/91

EXTREL 3

51T	19.30	2161	202. / 188.	75135. /	205348.	4	0.90	16.2	NG
52T	19.80	2224	202. / 240.	70564. /	199698.	5	0.88	9.9	NG
53T	Was Not Found								
54T	Was Not Found								
~~55T~~	~~22.03~~	~~2508~~	~~228. / 240.~~	~~3803. /~~	~~199698.~~	~~5~~	~~0.71~~	~~0.6~~	~~NG~~
56T	22.58	2578	228. / 240.	62181. /	199698.	5	0.79	12.2	NG
57T	Was Not Found								
58T	Was Not Found								
59T	24.75	2855	252. / 264.	97106. /	235686.	6	1.00	14.7	NG
60T	24.82	2863	252. / 264.	7687. /	235686.	6	0.69	1.5	NG
61T	25.28	2922	252. / 264.	52865. /	235686.	6	0.86	9.3	NG
62T	27.60	3217	276. / 264.	46880. /	235686.	6	0.81	7.1	~~NG~~ 2.0
63T	Was Not Found		276 ≤ 3222	9998	/ 235686				
64T	28.20	3292	276. / 264.	47502. /	235686.	6	0.95	9.0	NG
65T	8.02	728	82. / 136.	114426. /	237686.	2	0.87	69.3	NG
66T	11.88	1218	172. / 164.	273068. /	141804.	3	0.93	78.8	NG
67T	20.23	2281	244. / 240.	270046. /	199698.	5	0.87	60.8	NG
68T	6.30	508	99. / 152.	199750. /	54189.	1	0.78	89.3	NG
69T	4.65	300	112. / 152.	89201. /	54189.	1	0.96	54.7	NG
70T	15.05	1621	330. / 164.	ok 1232. /	141804.	3	0.97	3.6	NG
71T	6.50	534	132. / 152.	125288. /	54189.	1	0.83	86.8	NG
72T	7.22	625	152. / 152.	69796. /	54189.	1	0.89	64.6	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
~~79T~~	~~12.07~~	~~1243~~	~~154. / 164.~~	~~2424. /~~	~~141804.~~	~~3~~	~~0.74~~	~~145.5~~	~~NG~~
80T	Was Not Found								
81T	~~7.22~~ 6.73 ~~625~~ 589		152. / 152.	~~69796.~~ /	54189.	1	0.85	64.4	NG
82T	9.48	914	136. / 136.	237686. /	237686.	2	0.83	50.0	NG
83T	13.30	1399	164. / 164.	141804. /	141804.	3	0.90	50.0	NG
84T	16.58	1817	188. / 188.	205348. /	205348.	4	0.89	~~2232.1~~	NG
85T	22.53	2572	240. / 240.	~~201704.~~ /	199698.	5	0.80	50.5	NG
86T	25.50	2950	264. / 264.	235686. /	235686.	6	0.83	50.0	NG

TH 5/21/92

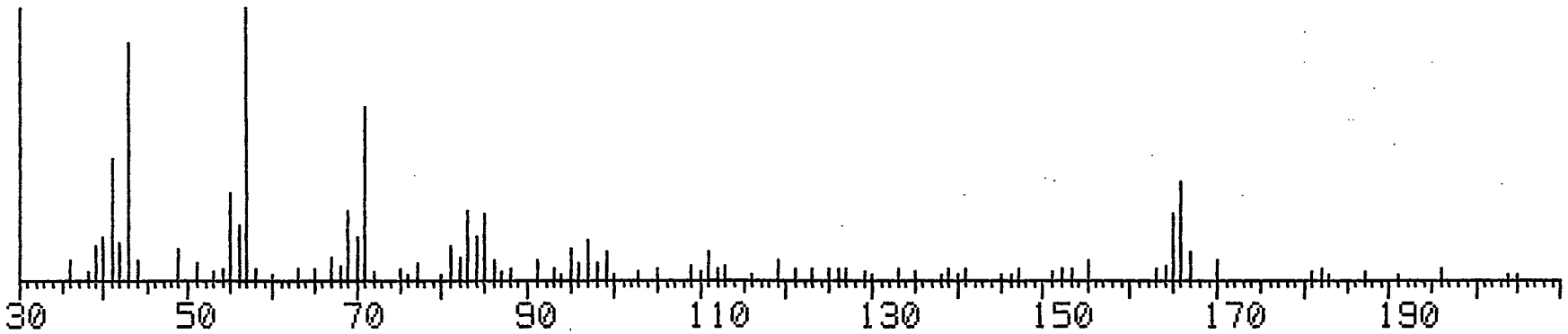
Extended Quantitation Report

EXTREL 3

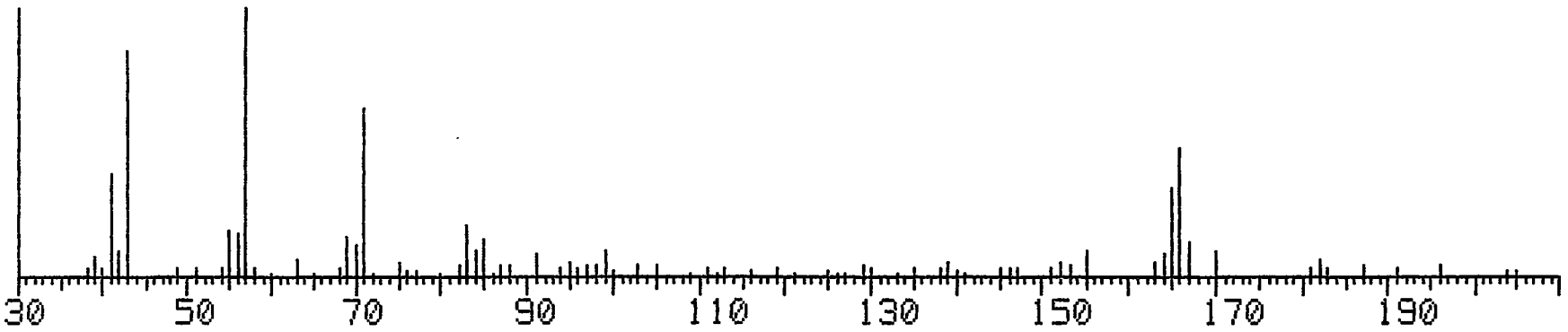
Library used: SYO:CLP90
Data file name: SYO:EQK08RE
Injection time: 18-MAY-92 14:25:57

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.912	94. / 152.	1.843	0.4	IA	BB	RF			1.00
10T	1.157	70. / 152.	0.938	13.8	IA	BV	RF			1.00
19T	1.005	128. / 136.	0.932	0.8	IA	BB	RF			1.00
31T	1.000	165. / 164.	0.186	29.5	IA	BB	RF			1.00
33T	1.005	153. / 164.	0.846	1.0	IA	VV	RF			1.00
36T	1.035	168. / 164.	1.309	0.9	IA	VB	RF			1.00
40T	1.092	166. / 164.	1.025	1.0	IA	BV	RF			1.00
47T	1.003	178. / 188.	0.897	8.5	IA	VV	RF			1.00
48T	1.010	178. / 188.	0.837	2.3	IA	VV	RF			1.00
49T	1.034	167. / 188.	0.759	1.0	IA	VV	RF			1.00
50T	1.090	149. / 188.	0.881	5.8	IA	VV	RF			1.00
51T	1.164	202. / 188.	0.903	16.2	IA	VV	RF			1.00
52T	0.879	202. / 240.	1.423	9.9	IA	VV	RF			1.00
55T	0.978	228. / 240.	1.283	0.6	IA	BV	RF			1.00
56T	1.002	228. / 240.	1.022	12.2	IA	VV	RF			1.00
59T	0.971	252. / 264.	1.120	14.7	IA	VV	RF			1.00
60T	0.973	252. / 264.	0.879	1.5	IA	VV	RF			1.00
61T	0.991	252. / 264.	0.963	9.3	IA	VV	RF			1.00
62T	1.082	276. / 264.	0.878	9.1	IA	VV	RF			1.00
64T	1.106	276. / 264.	0.894	9.0	IA	VV	RF			1.00
65T	0.846	82. / 136.	0.278	69.3	IA	BV	RF			1.00
66T	0.893	172. / 164.	0.978	78.8	IA	BB	RF			1.00
67T	0.898	244. / 240.	0.890	60.8	IA	VV	RF			1.00
68T	0.909	99. / 152.	1.651	89.3	IA	BV	RF			1.00
69T	0.671	112. / 152.	1.204	54.7	IA	BV	RF			1.00
70T	1.132	330. / 164.	0.097	3.6	IA	BB	RF			1.00
71T	0.938	132. / 152.	1.065	86.8	IA	VV	RF			1.00
72T	1.042	152. / 152.	0.797	64.6	IA	VB	RF			1.00
79T	0.908	154. / 164.	0.005	145.5	IA	VB	RF			1.00
81T	1.042	152. / 152.	0.800	64.4	IA	VB	RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA	BB	RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA	BB	RF			1.00
84T	1.000	188. / 188.	0.018	2232.1	IA	BV	RF			1.00
85T	1.000	240. / 240.	0.800	50.5	IA	BV	RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA	VV	RF			1.00

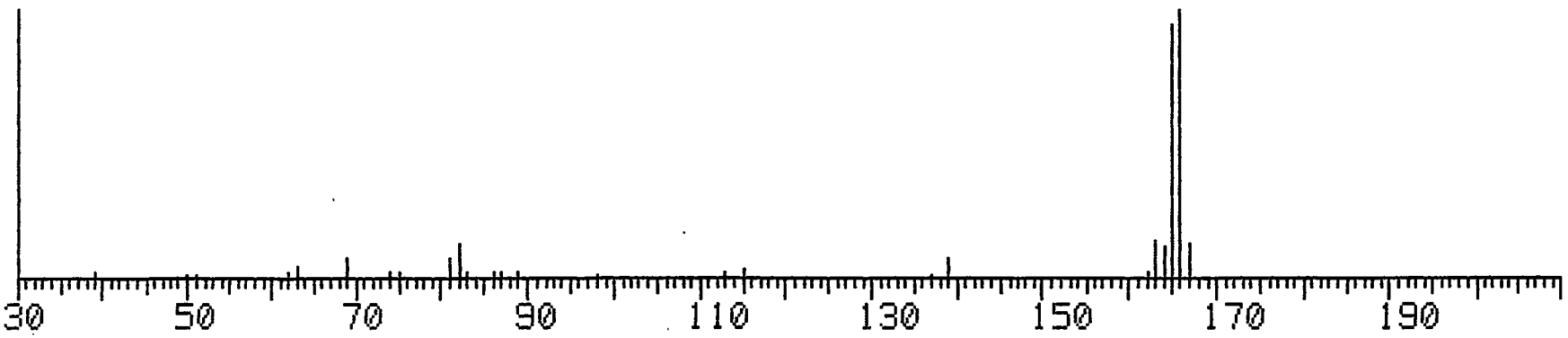
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1554 Time 14.52 min. 20039
100 % = 1653



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1554 Time 14.52 min. 11918
Bkg scan = 1546 100 % = 1653

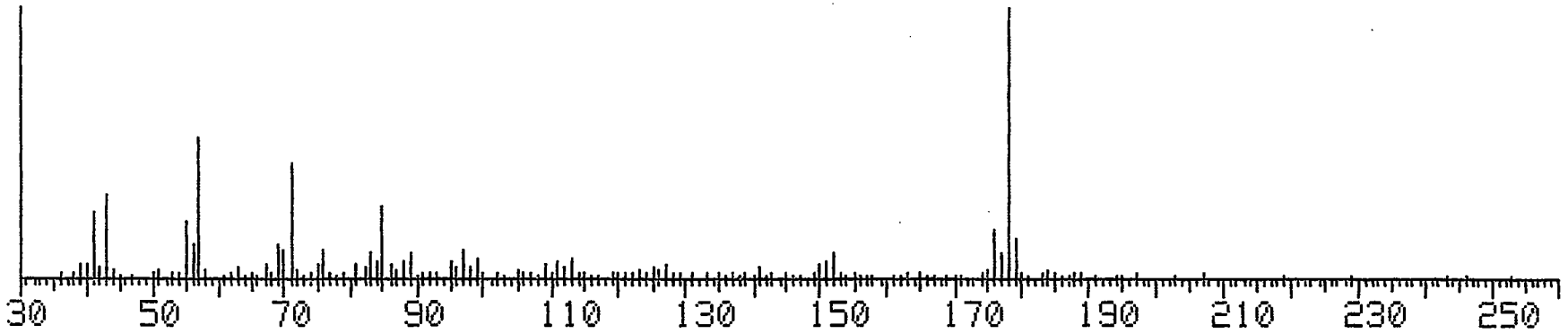


Standard Reference Spectrum: Fluorene

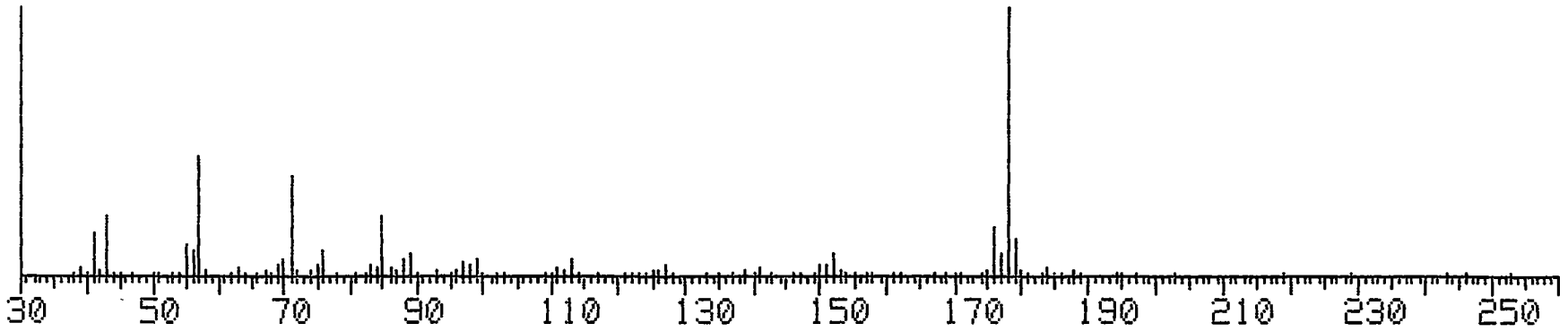


000426

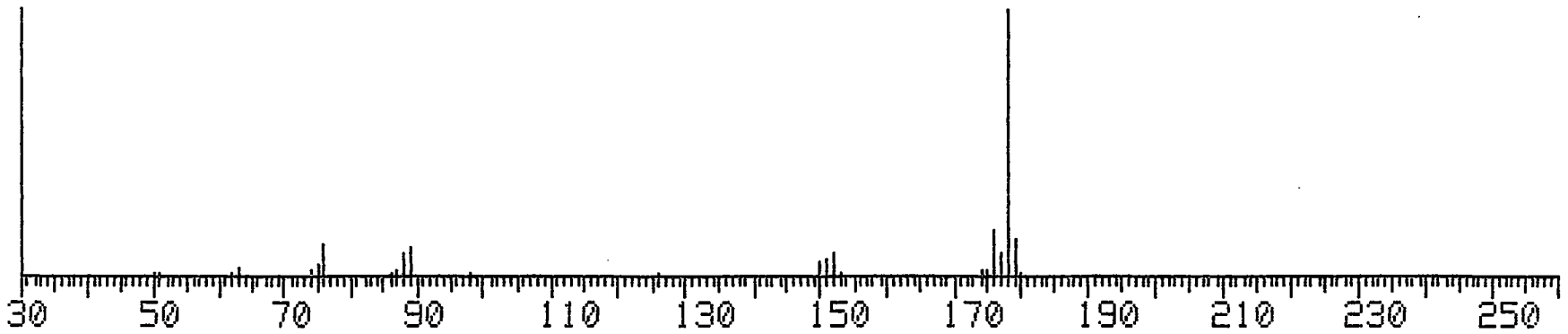
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1823 Time 16.63 min. 55363
100 % = 8318



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1823 Time 16.63 min. 41817
Bkg scan = 1799 100 % = 8318

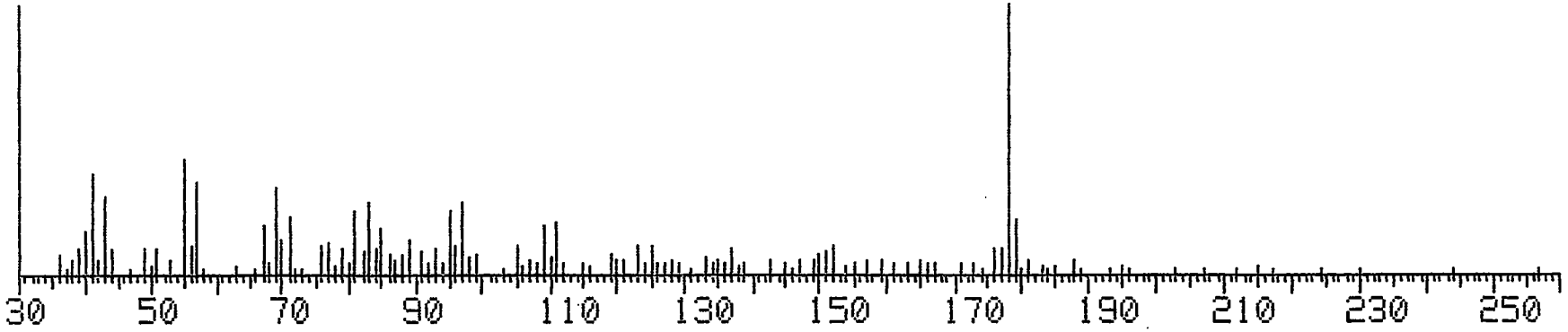


Standard Reference Spectrum: Phenanthrene

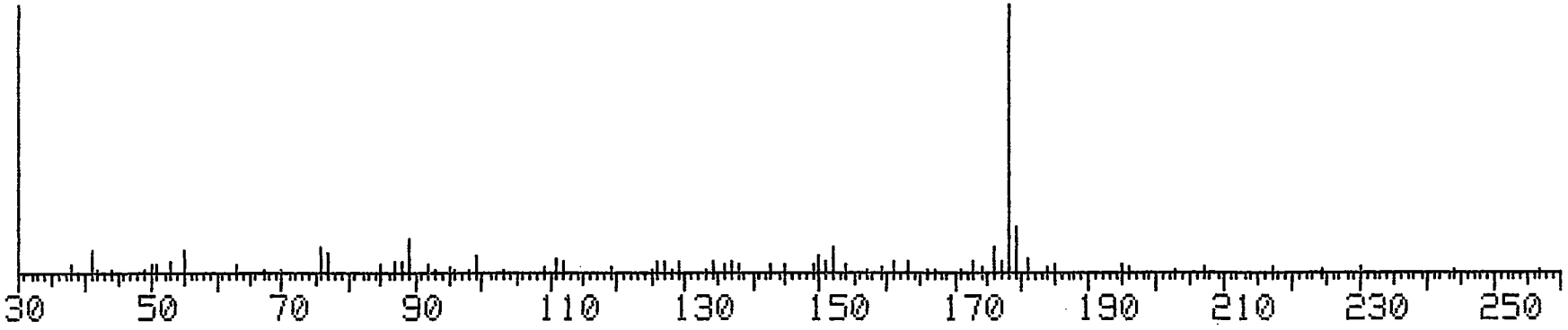


000427

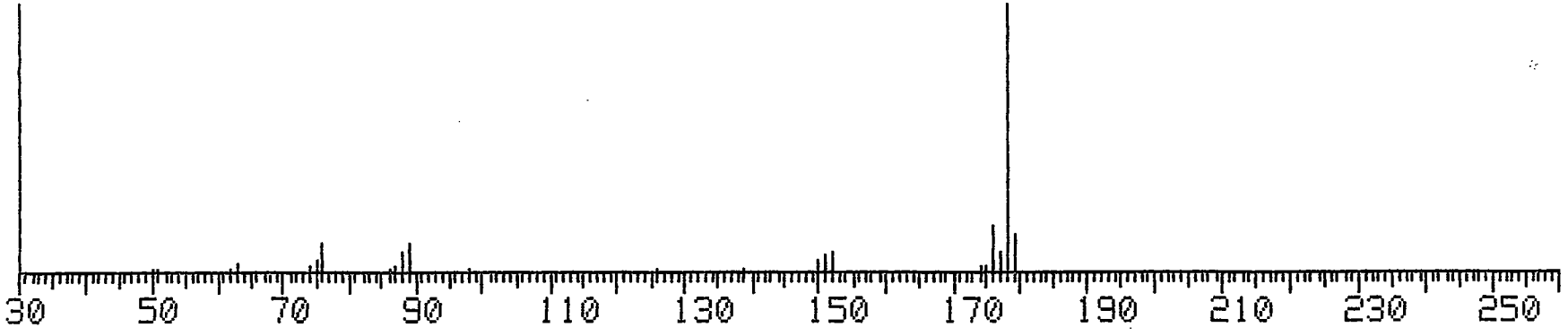
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1837 Time 16.75 min. 21136
100 % = 2009



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1837 Time 16.75 min. 6957
BKg scan = 1829 100 % = 2009

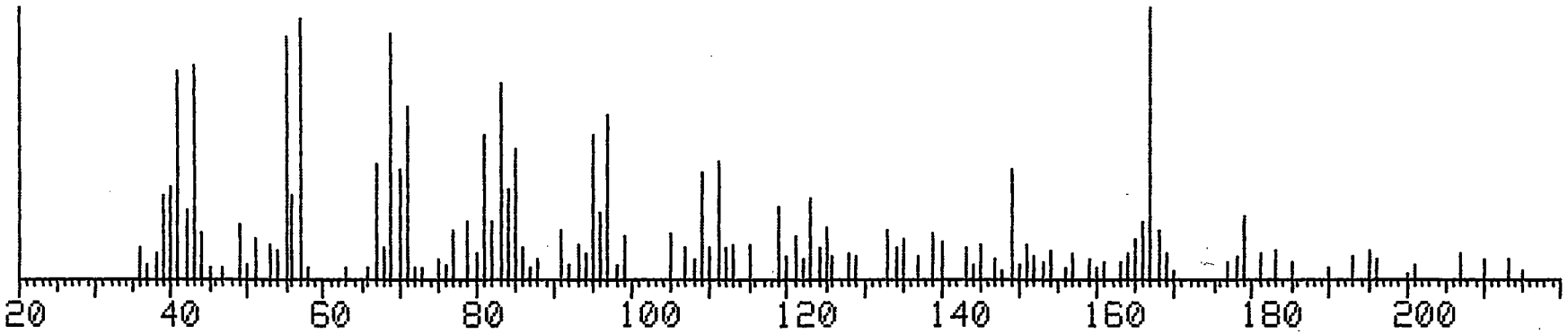


Standard Reference Spectrum: Anthracene

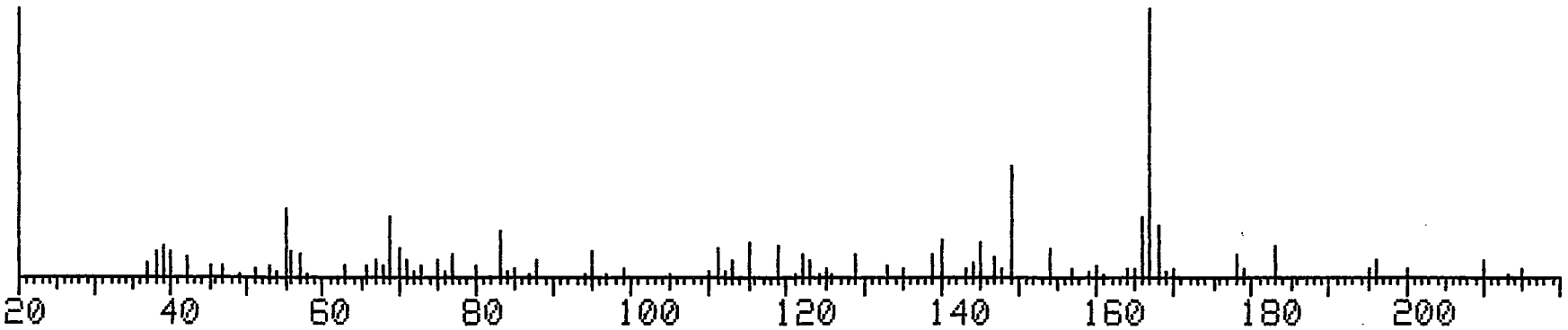


000428

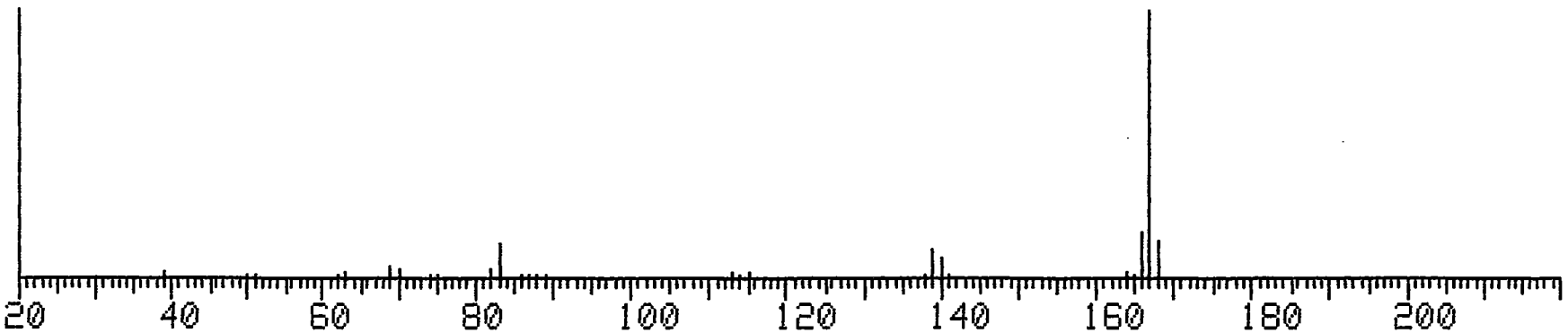
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1888 Time 17.15 min. 20951
100 % = 908



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 1888 Time 17.15 min. 5765
BKg scan = 1878 100 % = 908

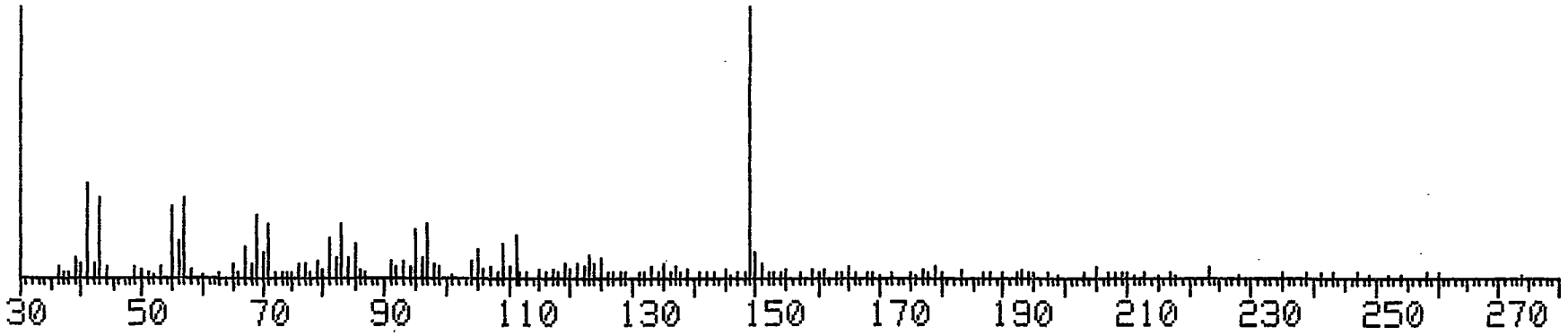


Standard Reference Spectrum: Carbazole

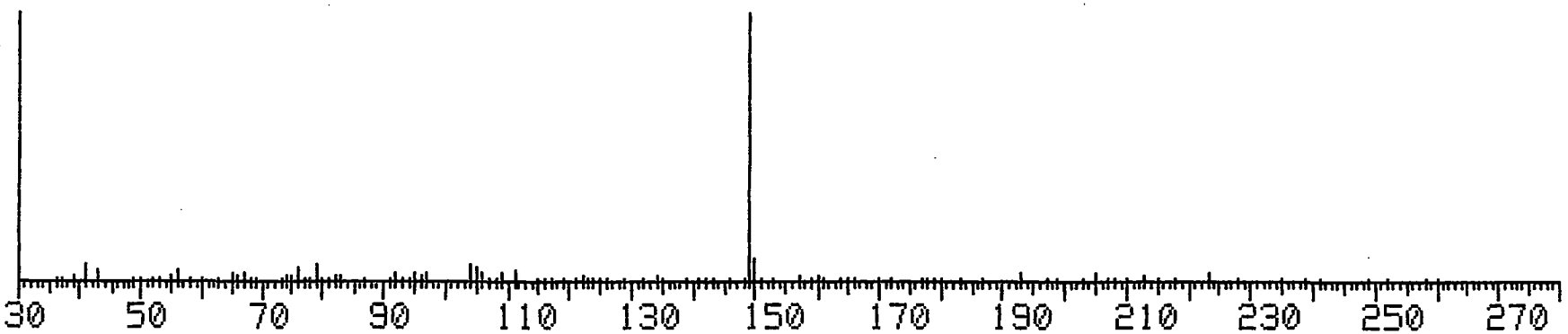


000429

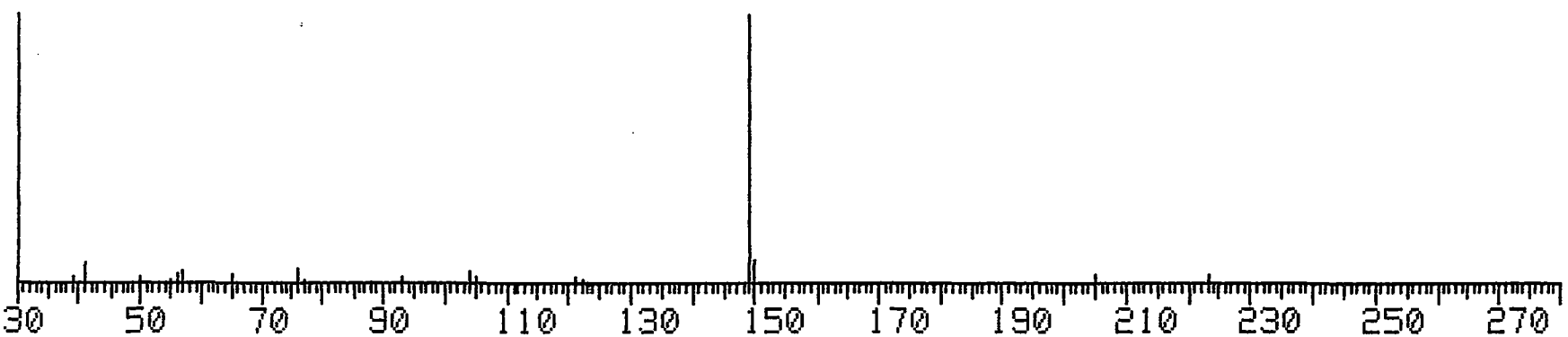
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2005 Time 18.07 min. 40677
100 % = 5189



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2005 Time 18.07 min. 14477
BKg scan = 1986 100 % = 5189

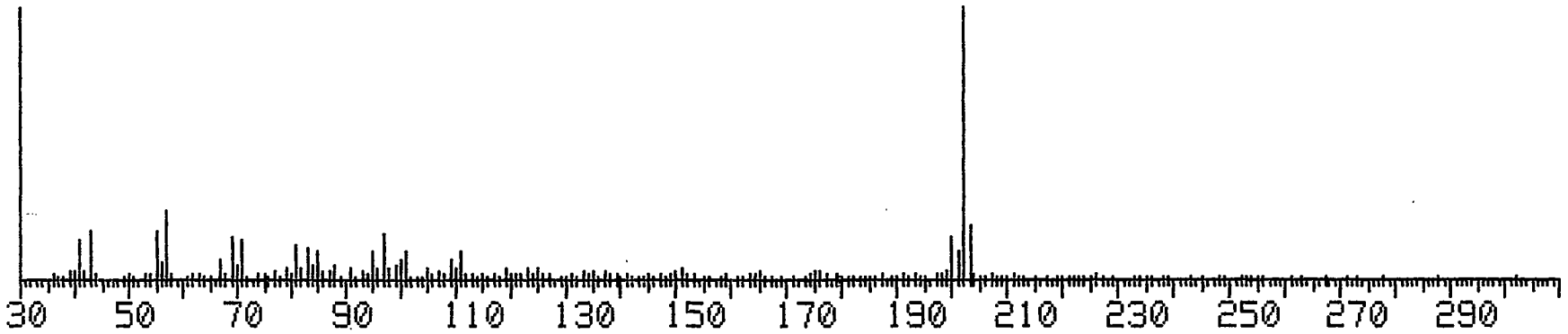


Standard Reference Spectrum: Di-n-butylphthalate

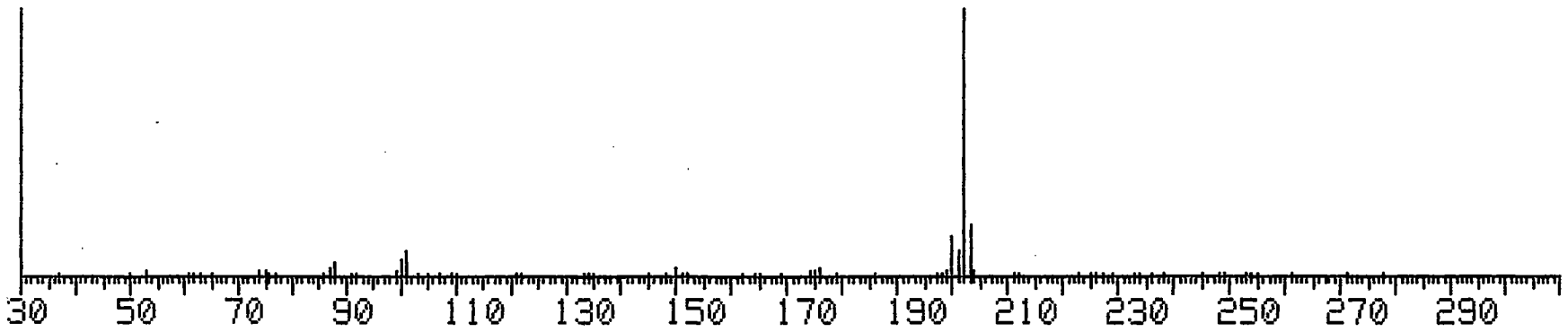


000430

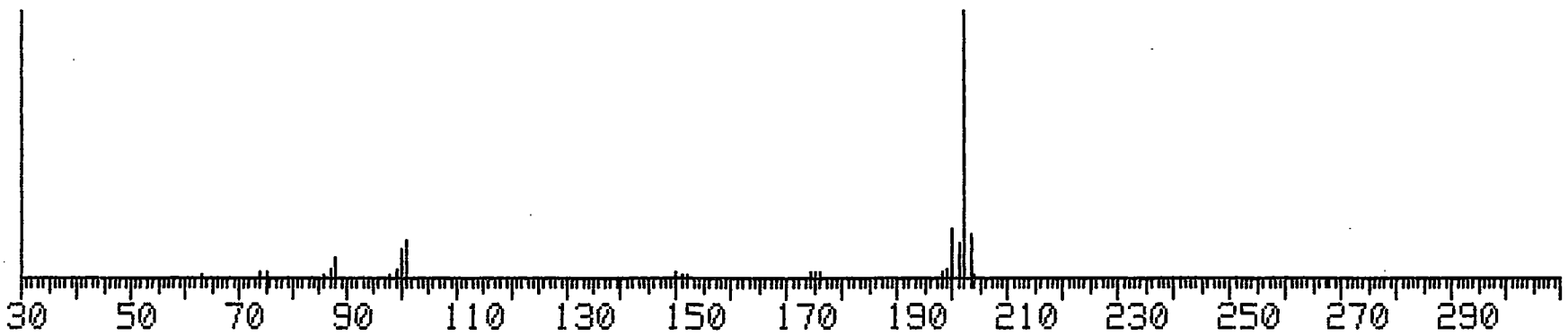
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2161 Time 19.30 min. 86976
100 % = 14401



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2161 Time 19.30 min. 33702
Bkg scan = 2148 100 % = 14401

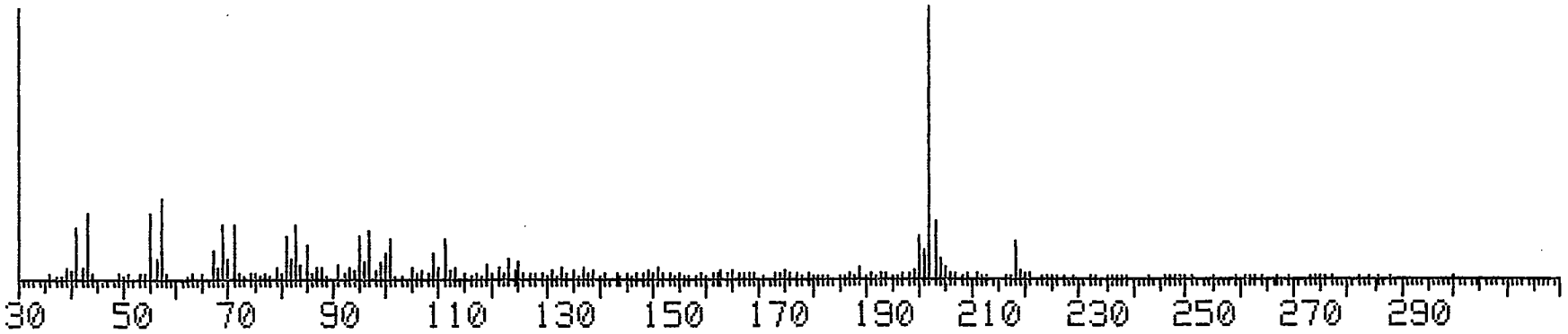


Standard Reference Spectrum: Fluoranthene

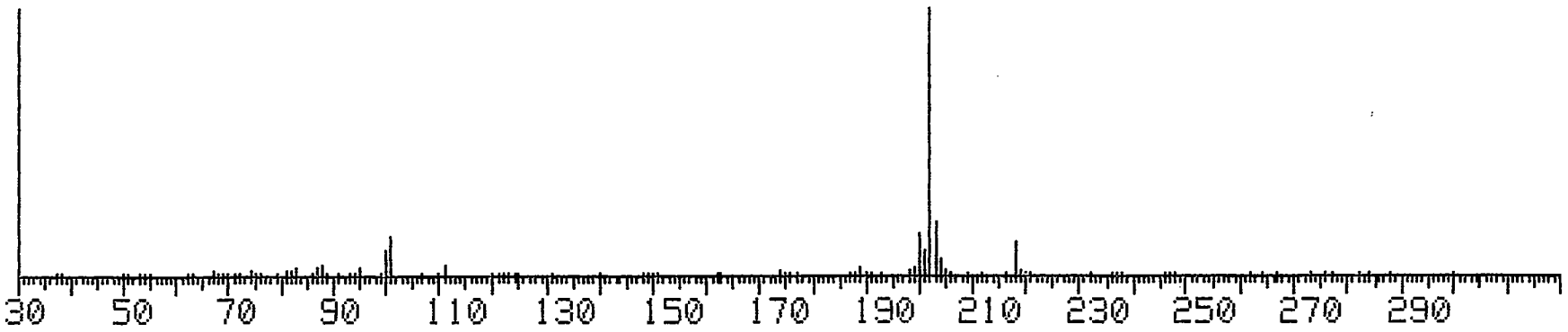


000431

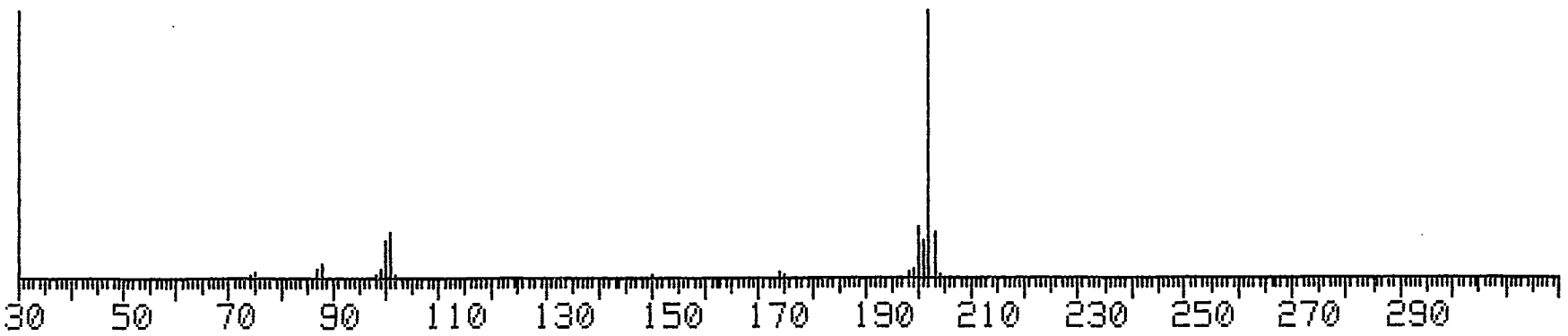
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2224 Time 19.80 min. 107643
100 % = 14309



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2224 Time 19.80 min. 40873
Bkg scan = 2210 100 % = 14309

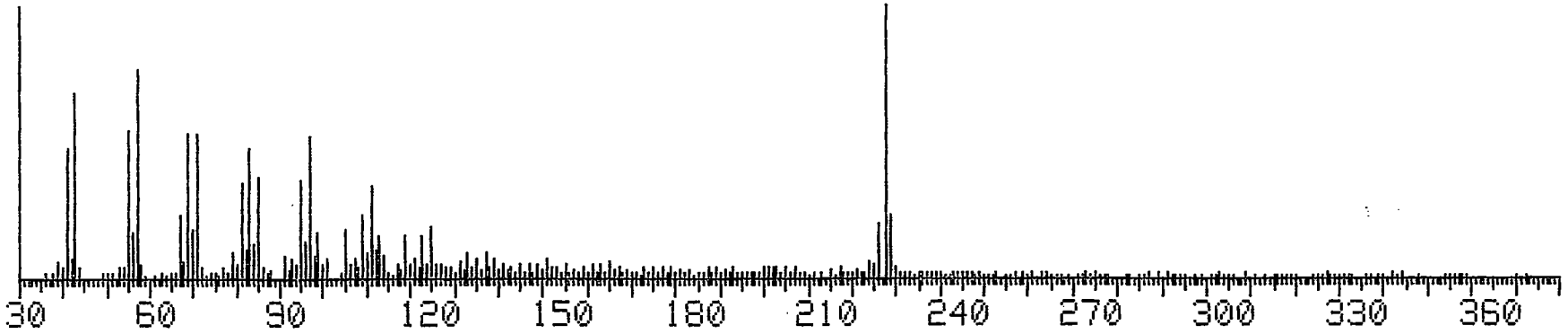


Standard Reference Spectrum: Pyrene

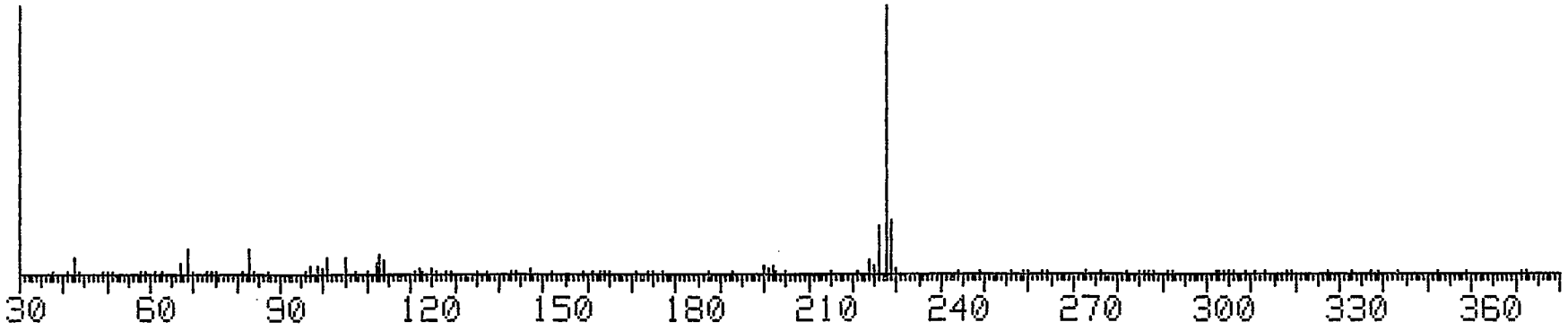


000432

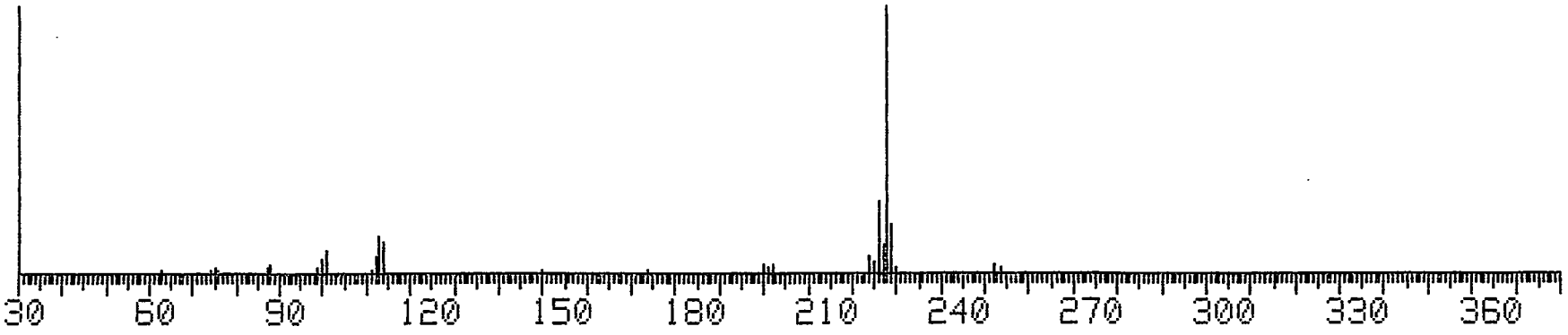
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2578 Time 22.58 min. 187083
100 % = 8720



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2578 Time 22.58 min. 26294
Bkg scan = 2572 100 % = 8720



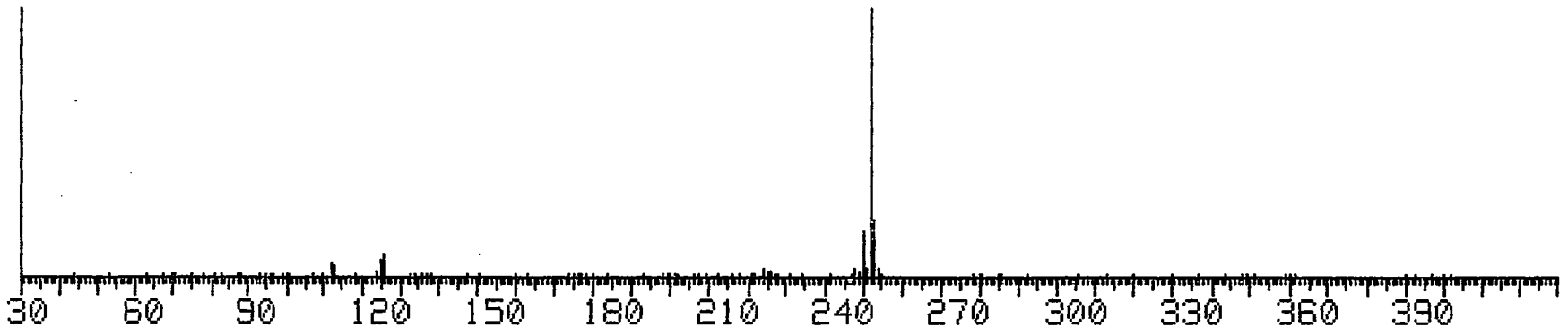
Standard Reference Spectrum: Chrysene



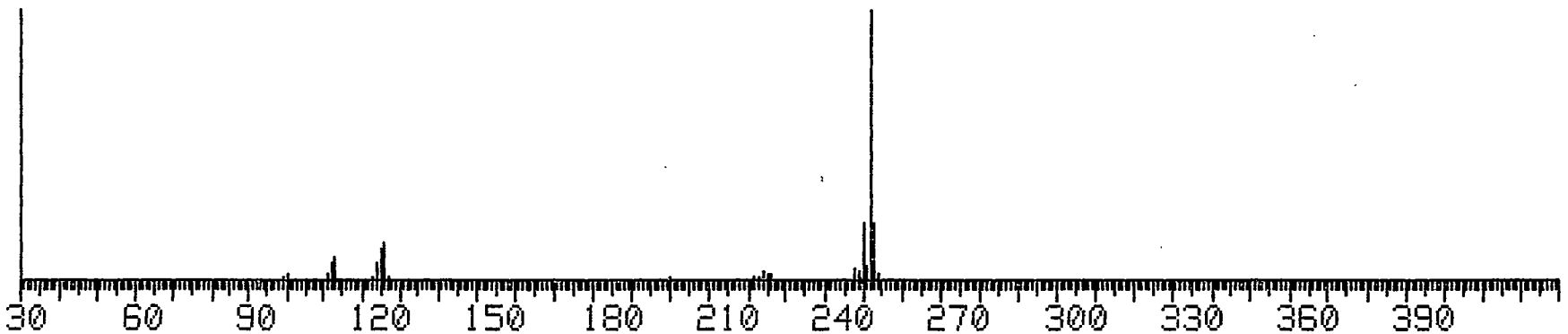
000433

SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2855 Time 24.75 min. 236179
100 % = 17002

SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2855 Time 24.75 min. 42549
Bk9 scan = 2838 100 % = 17002

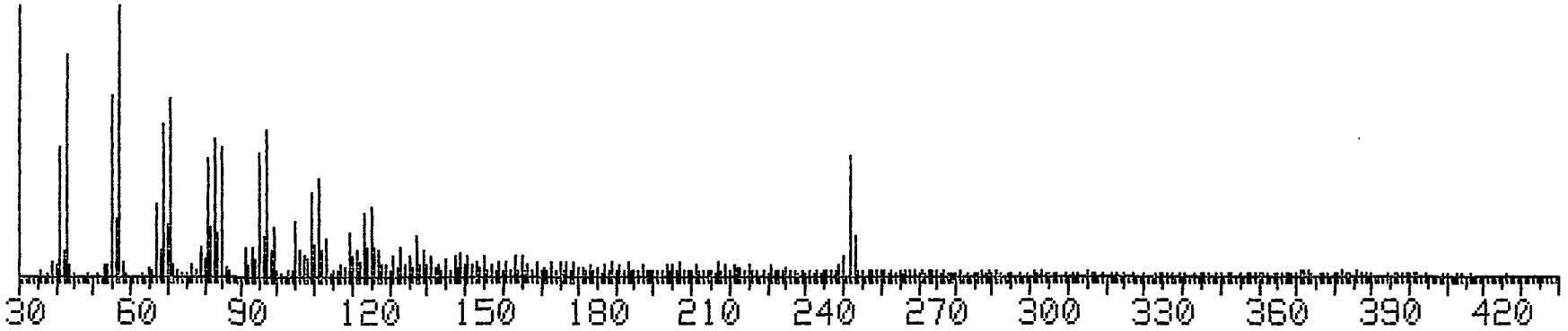


Standard Reference Spectrum: Benzo(b)fluoranthene

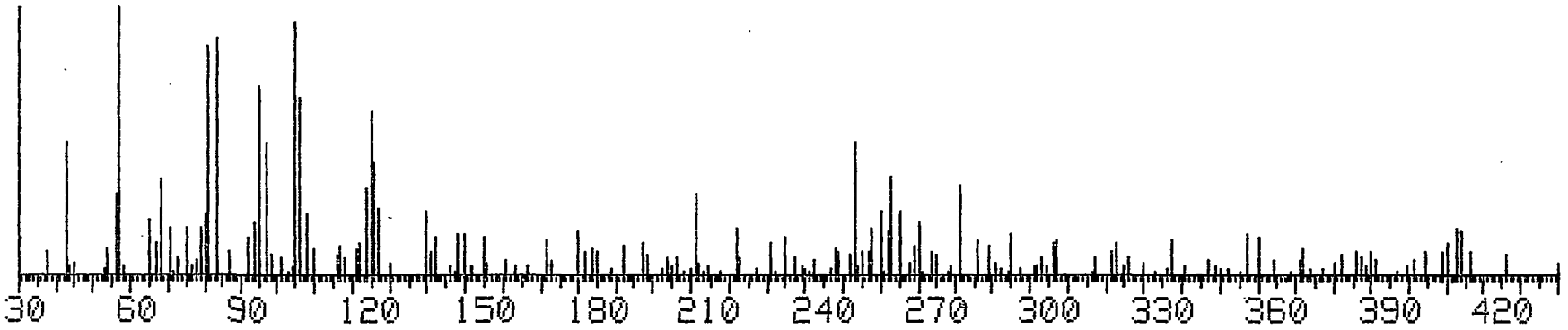


000434

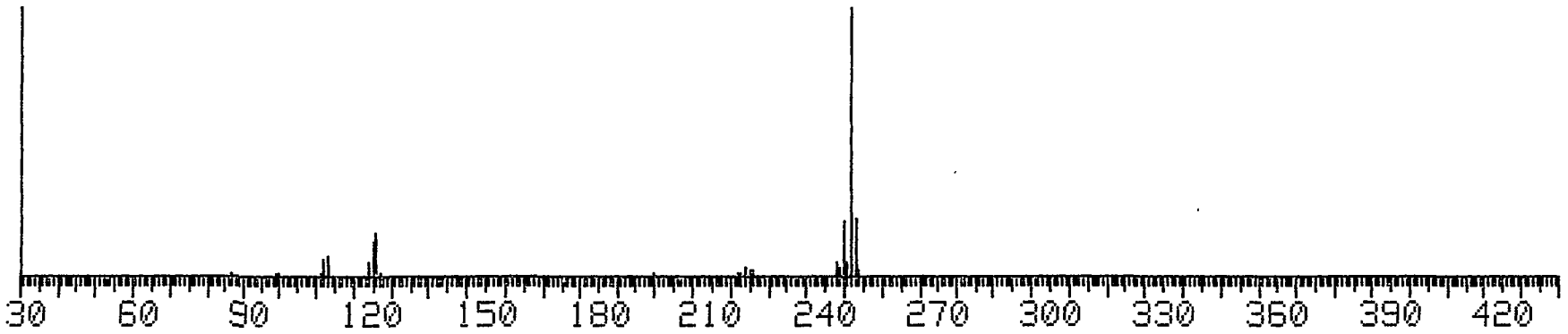
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2863 Time 24.82 min. 242824
100 % = 656



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2863 Time 24.82 min. 13717
Bkg scan = 2860 100 % = 656

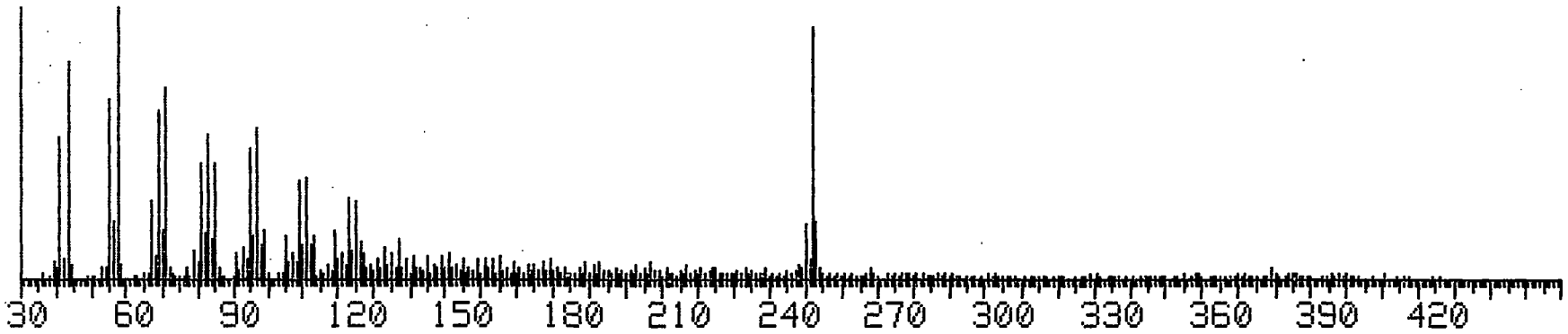


Standard Reference Spectrum: Benzo(K)fluoranthene

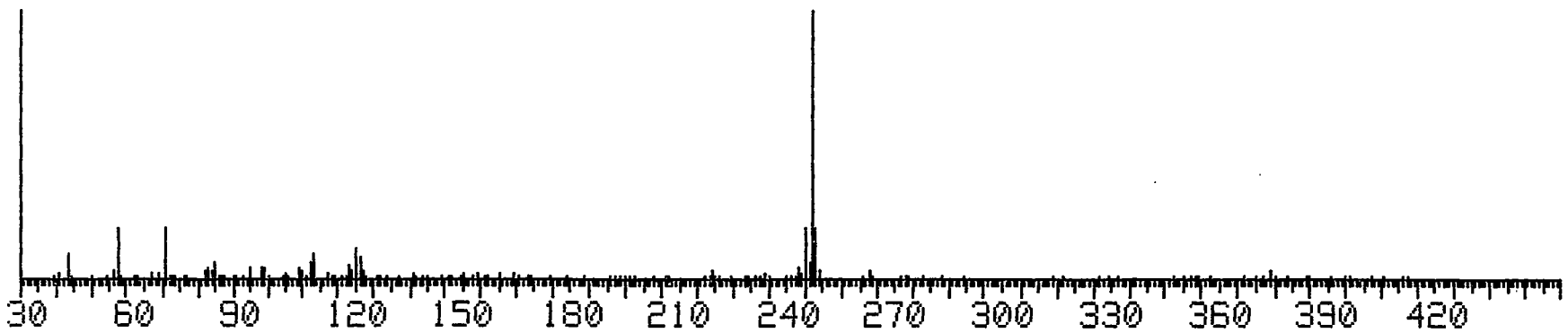


000435

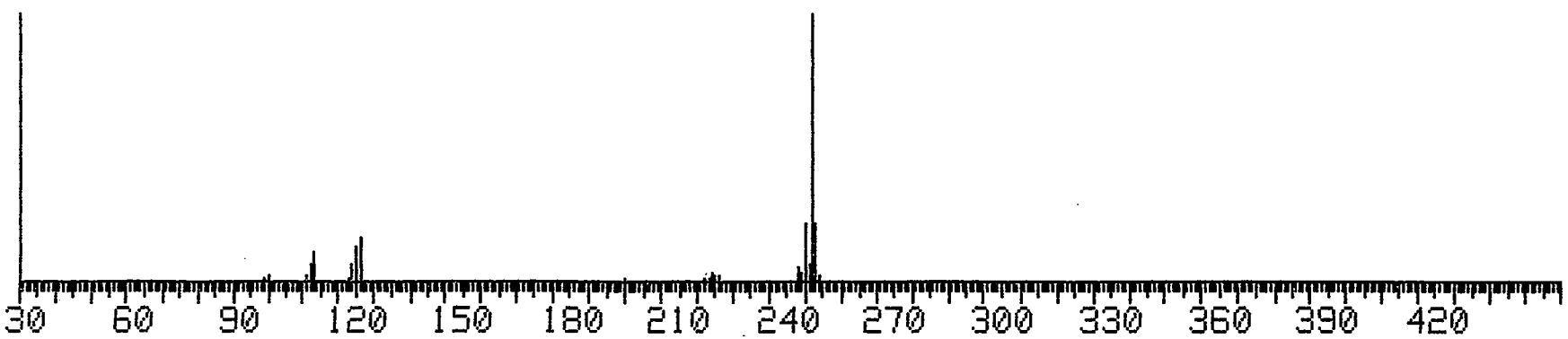
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2922 Time 25.28 min. 254061
100 % = 12217



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 2922 Time 25.28 min. 49790
Bkg scan = 2900 100 % = 12217

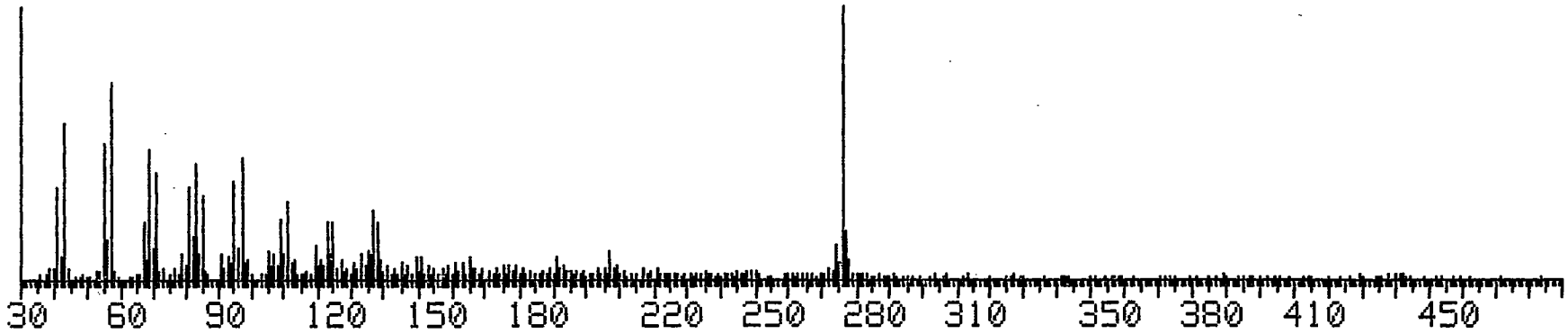


Standard Reference Spectrum: Benzo(a)pyrene

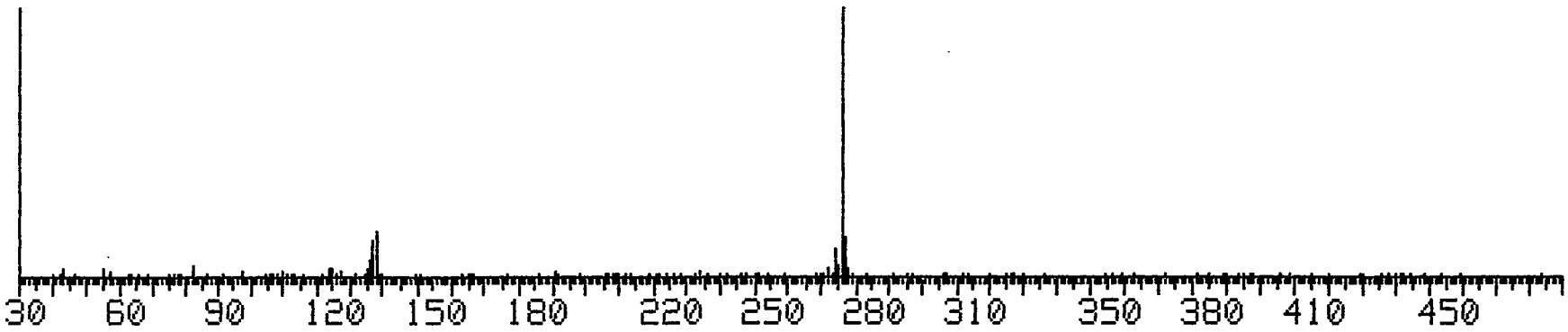


000436

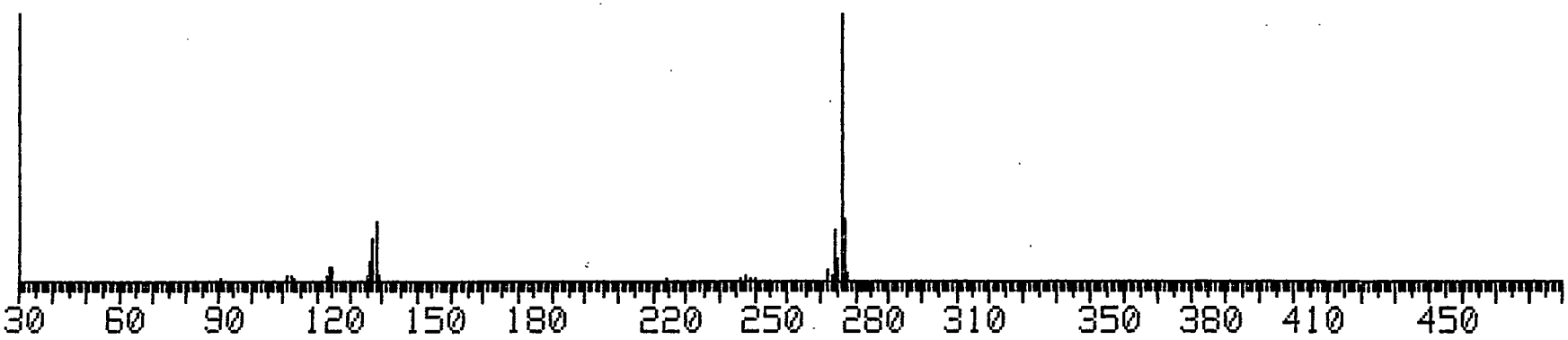
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 3217 Time 27.60 min. 130634
100 % = 8462



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 3217 Time 27.60 min. 24660
Bkg scan = 3202 100 % = 8462

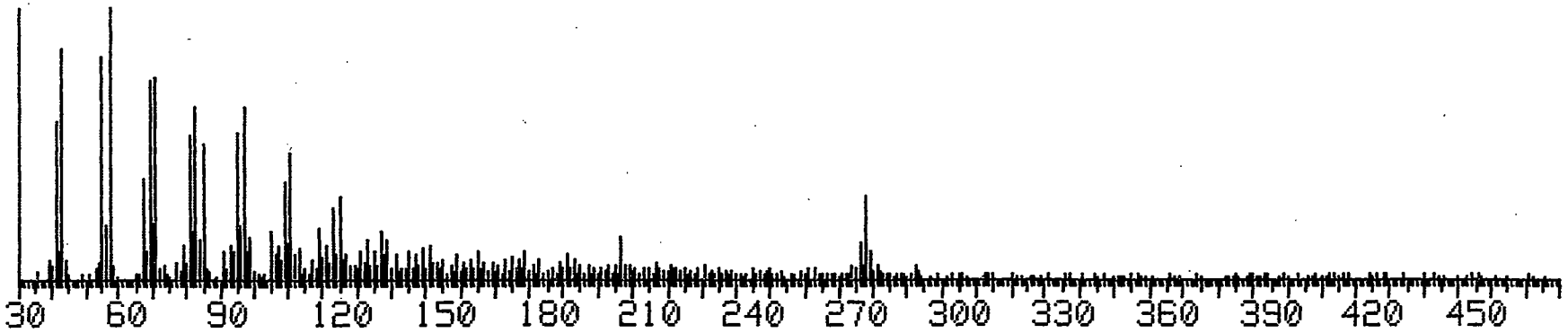


Standard Reference Spectrum: Indeno(1,2,3-cd)pyrene

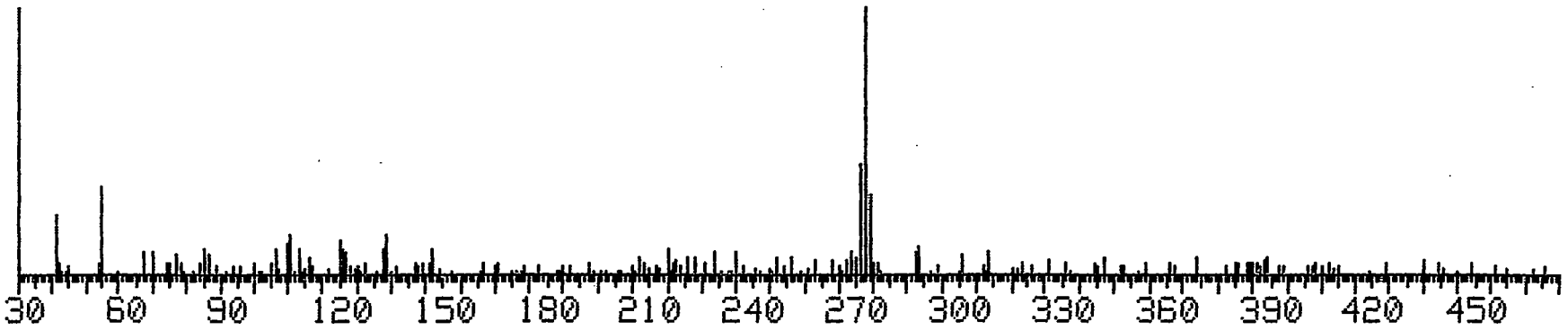


000437

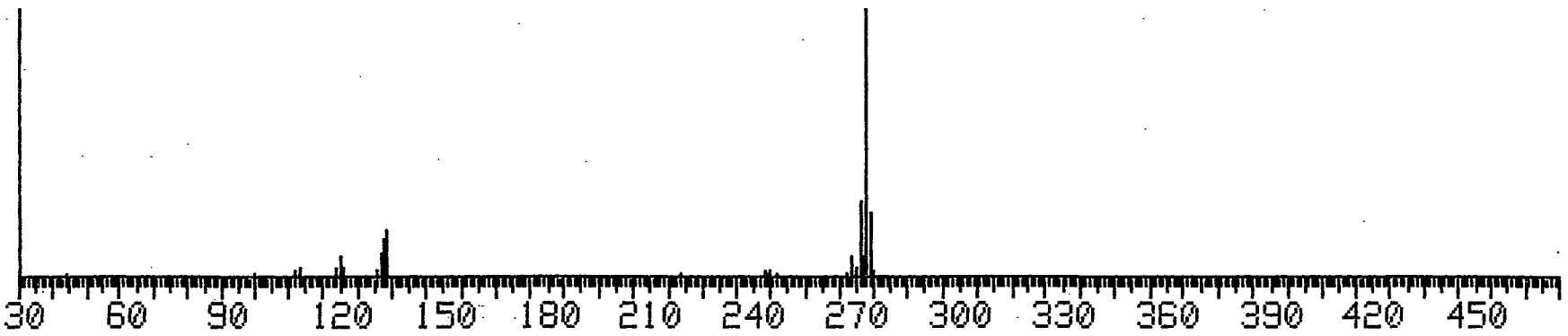
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 3222 Time 27.65 min. 118730
100 % = 1385



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 3222 Time 27.65 min. 12327
Bkg scan = 3202 100 % = 1385

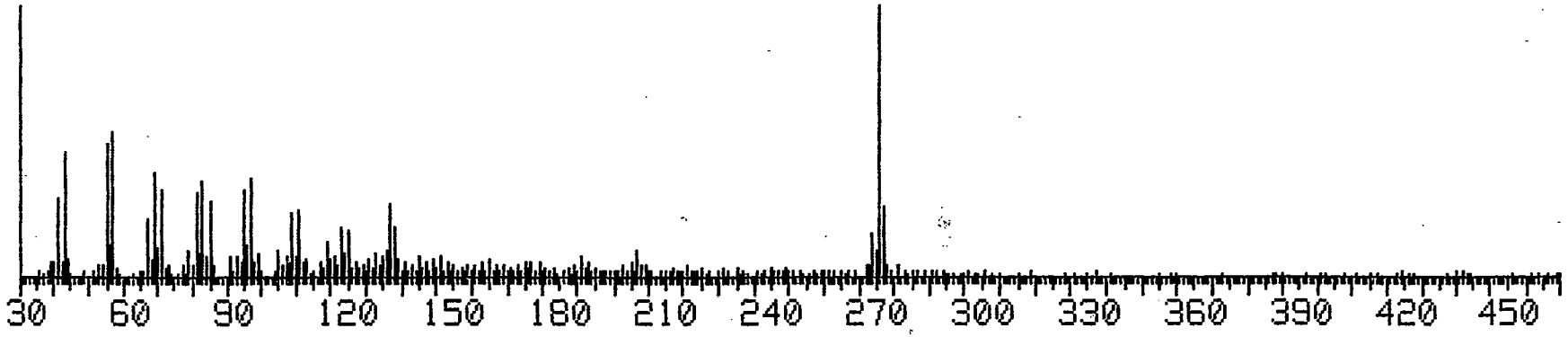


Standard Reference Spectrum: Dibenz(a,h)anthracene

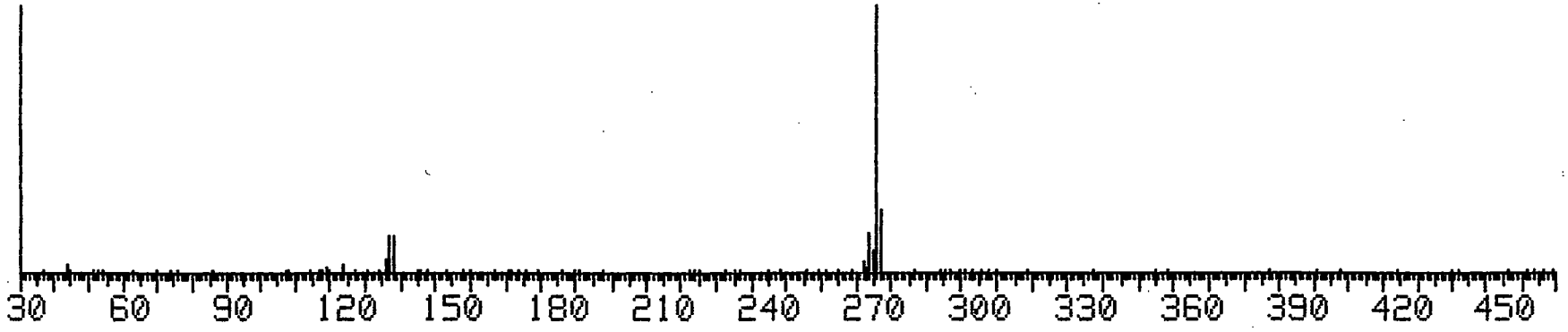


000438

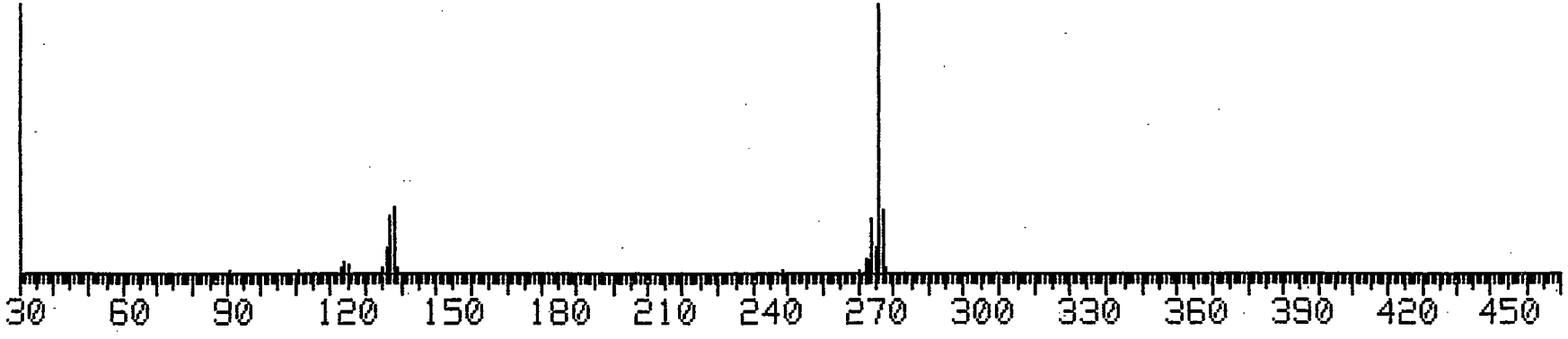
SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 3292 Time 28.20 min. 103553
100 % = 7605



SY0:EQK08RE EQK08 EXTR03 Total
18-MAY-92 14:25:57 Scan 3292 Time 28.20 min. 19335
Bkg scan = 3266 100 % = 7605



Standard Reference Spectrum: Benzo(g,h,i)perylene



000439

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK08RE
Injection date: 18-MAY-92 14:25:57

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	1687	15.57	BB	-14	11	242480.	0.63	15.56	4
~~2~~	~~1851~~	~~16.85~~	~~BB~~	~~-8~~	~~10~~	~~146554.~~	~~0.38~~	~~9.40~~	~~4~~
~~3~~	~~1866~~	~~16.98~~	~~BB~~	~~-5~~	~~11~~	~~156191.~~	~~0.40~~	~~10.02~~	~~4~~
~~4~~	~~2053~~	~~18.45~~	~~BV~~	~~-15~~	~~12~~ 73951	~~643228.~~	~~1.66~~	~~41.27~~ 4.7	4
5	2150	19.22	BV	-7	4 130665	~~648188.~~	1.67	~~41.59~~ 8.4	4
~~6~~	~~2166~~	~~19.33~~	~~VV~~	~~-1~~	~~39~~	~~1503340.~~	~~3.88~~	~~96.46~~	~~4~~
~~7~~	~~2207~~	~~19.67~~	~~VV~~	~~2~~	~~9~~	~~280248.~~	~~0.72~~	~~11.04~~	~~5~~
~~8~~	~~2305~~ OK	~~20.43~~	~~VV~~	~~-5~~	~~6~~	~~116367~~ OK	~~0.30~~	~~4.58~~ OK	~~5~~ 4.9
9	2388 8	21.08	BB	-10	8 191692	~~1110601.~~	2.86	~~43.73~~ 8.0	5
10	2466 9	21.70	BB	-14	6	4279278.	11.04	~~168.51~~ 179.5	5
~~11~~	~~2489~~	~~21.88~~	~~BB~~	~~4~~	~~13~~ 166893	~~126166.~~	~~0.33~~	~~4.97~~ 4.2	~~5~~
~~12~~	~~2528~~	~~22.18~~	~~BB~~	~~-5~~	~~13~~	~~108476.~~	~~0.28~~	~~4.27~~ 4.6	~~5~~
13	2660 10	23.22	BB	-6	17 174754	~~226001.~~	0.58	~~8.90~~ 7.3	5
14	2707 12	23.60	BV	-6	6 253475	~~219120.~~	0.57	~~8.63~~ 10.6	5
15	2776 13	24.13	BB	-7	8 312039	~~182913.~~	0.47	~~4.08~~ 28.0	6
~~16~~	~~2842~~	~~24.65~~	~~BV~~	~~-5~~	~~9~~	~~2344674.~~	~~6.05~~	~~52.26~~	~~6~~
~~17~~	~~2872~~	~~24.88~~	~~VV~~	~~-5~~	~~2~~	~~392762.~~	~~1.01~~	~~8.76~~	~~6~~
~~18~~	~~2879~~	~~24.95~~	~~VB~~	~~-5~~	~~3~~	~~218214.~~	~~0.56~~	~~4.86~~	~~6~~
19	2915 14	25.23	BV	-3	3 73205	~~1200677.~~	3.10	~~26.76~~ 6.6	6
20	2935 15	25.38	VV	-4	8 139026	~~1628027.~~	4.20	~~36.28~~ 12.5	6
21	3086 16	26.57	BV	-3	2 283717	~~751591.~~	1.94	~~16.75~~ 25.5	6
22	3092 17	26.62	VB	-4	24 279429	~~2268918.~~	5.85	~~50.57~~ 25.1	6

TIC areas for associated internal standards:

Std.	Area	Conc.
1817 4	623393.	40.
2572 5	~~1015764.~~ 953748	40.
2950 6	~~1794773.~~ 445839	40.
583 1)	311745	
914 2)	461087	
1328 3)	523455	

VOA	~~399~~	~~5.43~~	~~94800~~	~~12.2~~	1
1	1410	13.38	94349	7.2	3
2	1552	14.50	137087	10.5	3
			~~155278~~		
4	1937	17.53	82976	5.3	4
5	2135	19.10	84477	5.4	4
11	2688	23.45	120765	5.1	5
18	3171	27.25	188776	16.9	6
19	3274	28.05	133967	12.0	
20	3290	28.18	161257	14.5	

TH 5/20/92

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 1410
Background Scans * 1.00 1404
Retention time: 13.38 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.620
C10H22 142 Decane

Rank 2 Spectrum 6982
C.A.S 5911-04-6
Fit 0.590
C10H22 142 Nonane, 3-methyl-

Rank 3 Spectrum 9445
C.A.S 5877-42-9
Fit 0.544
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 4 Spectrum 7007
C.A.S 2051-30-1
Fit 0.541
C10H22 142 Octane, 2,6-dimethyl-

Rank 5 Spectrum 7003
C.A.S 17301-94-9
Fit 0.533
C10H22 142 Nonane, 4-methyl-

Rank 6 Spectrum 4500
C.A.S 16747-33-4
Fit 0.525
C9H20 128 Pentane, 3-ethyl-2,3-dimethyl-

Rank 7 Spectrum 4821
C.A.S 104-76-7
Fit 0.515
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 8 Spectrum 7004
C.A.S 13475-78-0
Fit 0.513
C10H22 142 Heptane, 5-ethyl-2-methyl-

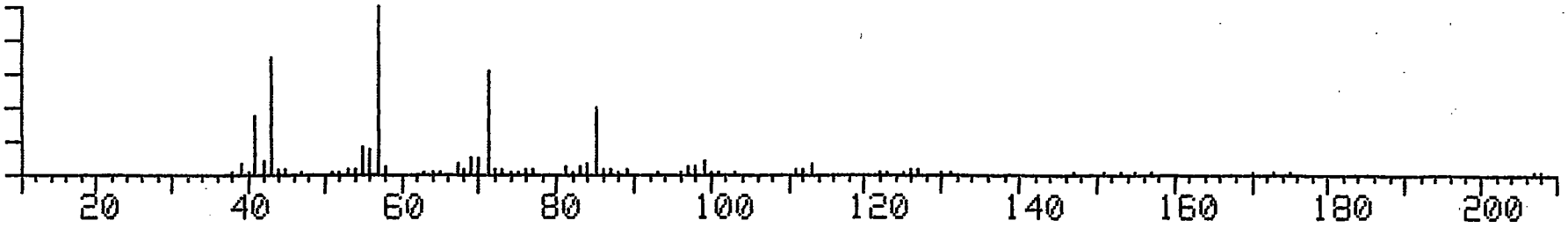
Rank 9 Spectrum 7000
C.A.S 15869-86-0
Fit 0.513
C10H22 142 Octane, 4-ethyl-

Rank 10 Spectrum 4521
C.A.S 3074-75-7
Fit 0.503
C9H20 128 Hexane, 4-ethyl-2-methyl-

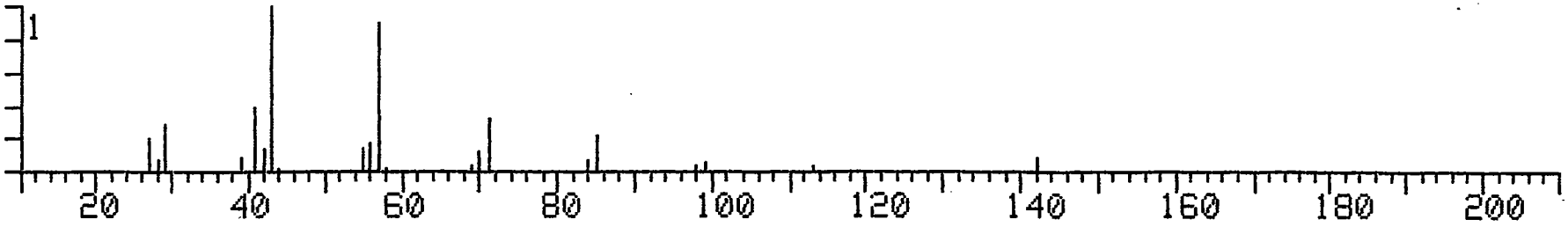
NISTEPA Forward Library Search TIC = 22600
Injection Date: 18-MAY-92 Time: 14:25:57 100% = 4653
Filename: SY0:EQK08RE
Comments:
EQK08 EXTR03

UNKNOWN HYDROCARBON

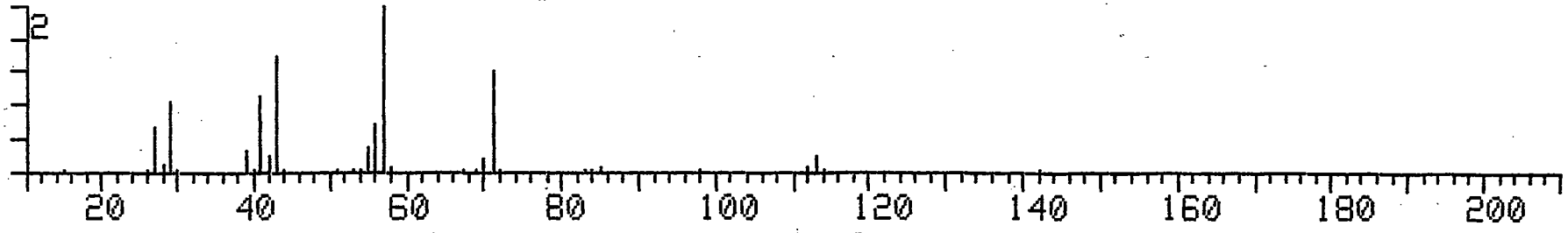
SCANS: 1410-1410 BKG * 1.00 1404



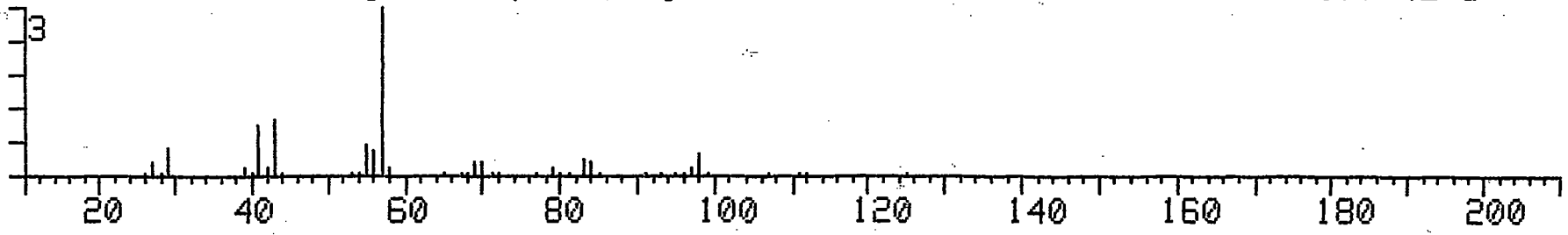
C10H22 142 Decane Fit 0.620 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 3-methyl- Fit 0.590 SP#/CAS# 6982/5911-04-6



C10H18O 154 1-Octyn-3-ol, 4-ethyl- Fit 0.544 SP#/CAS# 9445/5877-42-9



000442

NISTEPA Library Search

UNKNOWN HYDROCARBON

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 1552
Background Scans * 1.00 1544
Retention time: 14.50 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.497
C10H22 142 Decane

Rank 2 Spectrum 4821
C.A.S 104-76-7
Fit 0.420
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 3 Spectrum 7388
C.A.S 54004-41-0
Fit 0.418
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 4 Spectrum 6982
C.A.S 5911-04-6
Fit 0.409
C10H22 142 Nonane, 3-methyl-

Rank 5 Spectrum 6997
C.A.S 52896-90-9
Fit 0.407
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 6 Spectrum 7010
C.A.S 13475-81-5
Fit 0.405
C10H22 142 Hexane, 2,2,3,3-tetramethyl-

Rank 7 Spectrum 9445
C.A.S 5877-42-9
Fit 0.402
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 8 Spectrum 7003
C.A.S 17301-94-9
Fit 0.402
C10H22 142 Nonane, 4-methyl-

Rank 9 Spectrum 6989
C.A.S 5881-17-4
Fit 0.401
C10H22 142 Octane, 3-ethyl-

Rank 10 Spectrum 7004
C.A.S 13475-78-0
Fit 0.398
C10H22 142 Heptane, 5-ethyl-2-methyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

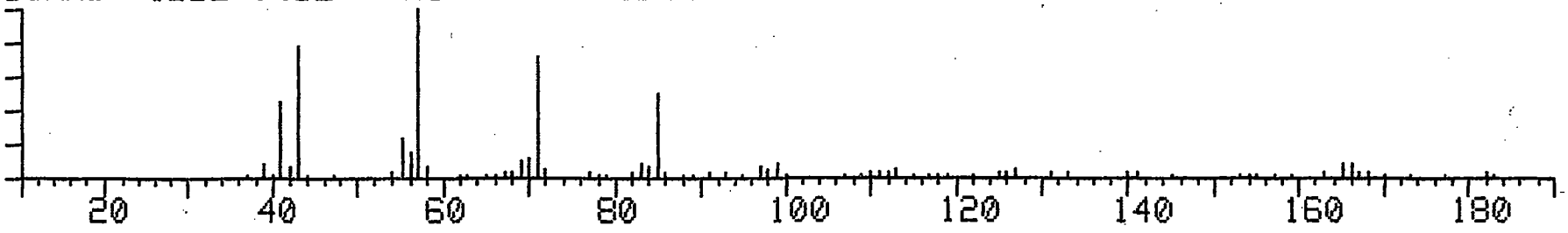
EQK08 EXTR03

TIC = 29895

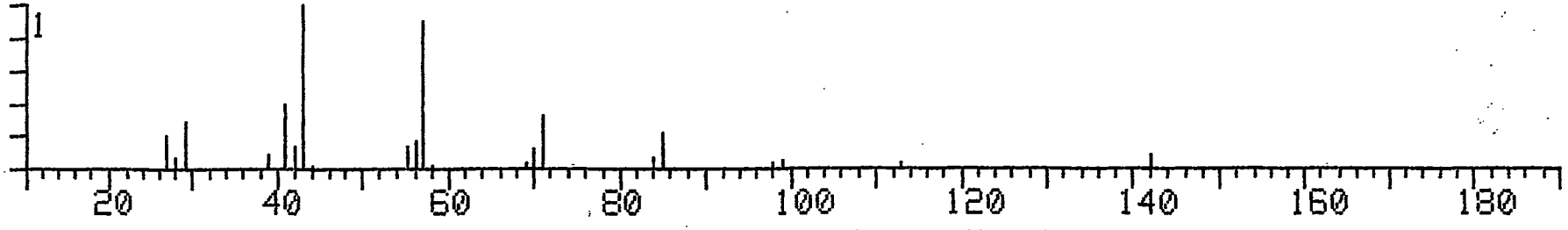
100% = 5401

UNKNOWN HYDROCARBON

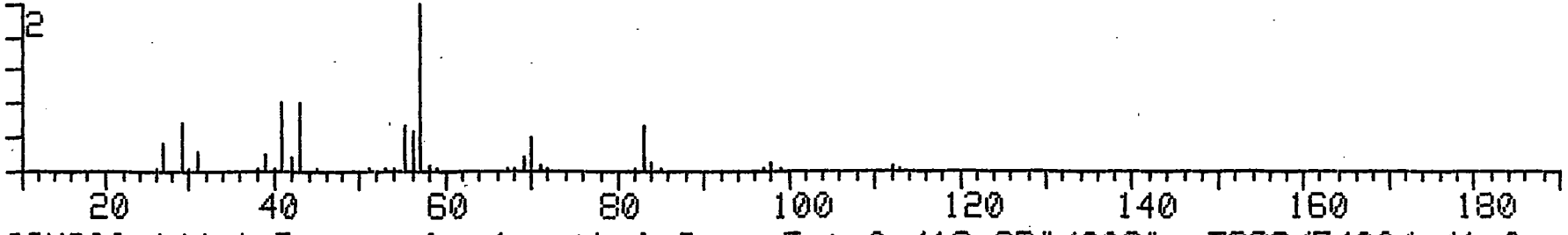
SCANS: 1552-1552 BKG * 1.00 1544



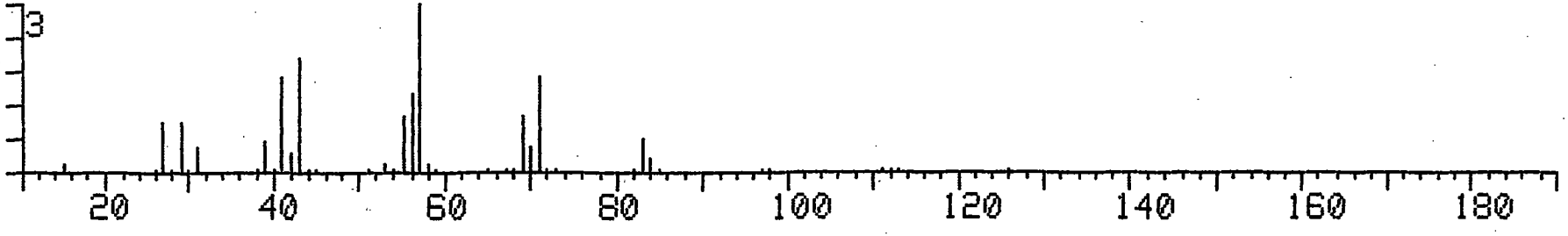
C10H22 142 Decane Fit 0.497 SP#/CAS# 6984/124-18-5



C8H18O 130 1-Hexanol, 2-ethyl- Fit 0.420 SP#/CAS# 4821/104-76-7



C9H20O 144 1-Pentanol, 4-methyl-2-p Fit 0.418 SP#/CAS# 7388/54004-41-0



000444

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 1687
Background Scans * 1.00 1673
Retention time: 15.57 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

UNKNOWN HYDROCARBON
ult

Rank 1 Spectrum 6982
C.A.S 5911-04-6
Fit 0.539
C10H22 142 Nonane, 3-methyl-

Rank 2 Spectrum 6984
C.A.S 124-18-5
Fit 0.514
C10H22 142 Decane

Rank 3 Spectrum 7007
C.A.S 2051-30-1
Fit 0.508
C10H22 142 Octane, 2,6-dimethyl-

Rank 4 Spectrum 7388
C.A.S 54004-41-0
Fit 0.487
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 5 Spectrum 7003
C.A.S 17301-94-9
Fit 0.479
C10H22 142 Nonane, 4-methyl-

Rank 6 Spectrum 6989
C.A.S 5881-17-4
Fit 0.452
C10H22 142 Octane, 3-ethyl-

Rank 7 Spectrum 7004
C.A.S 13475-78-0
Fit 0.451
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 8 Spectrum 6997
C.A.S 52896-90-9
Fit 0.446
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 9 Spectrum 6998
C.A.S 871-83-0
Fit 0.439
C10H22 142 Nonane, 2-methyl-

Rank 10 Spectrum 7013
C.A.S 15869-94-0
Fit 0.437
C10H22 142 Octane, 3,6-dimethyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

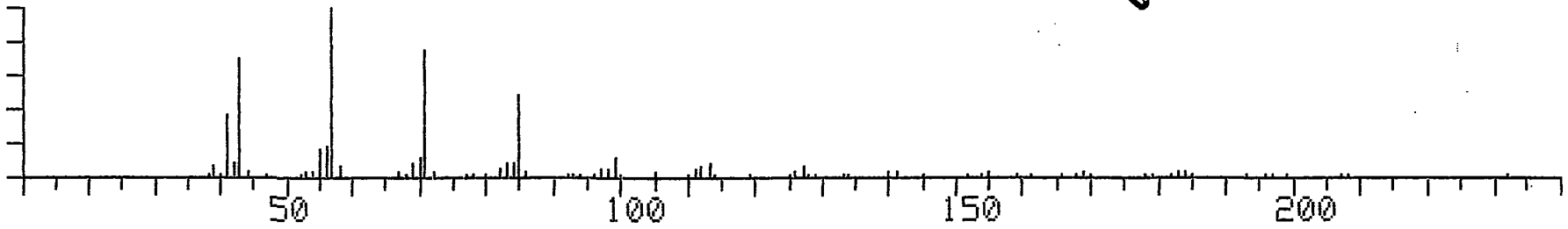
TIC = 35457

100% = 6441

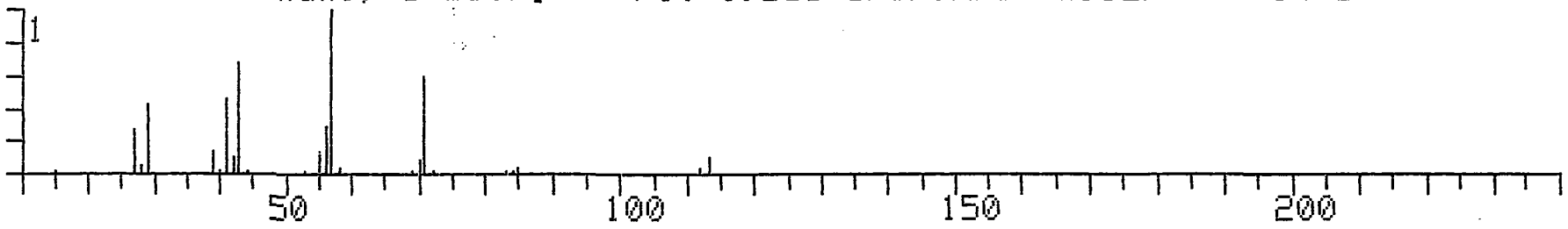
UNKNOWN HYDROCARBON

000446

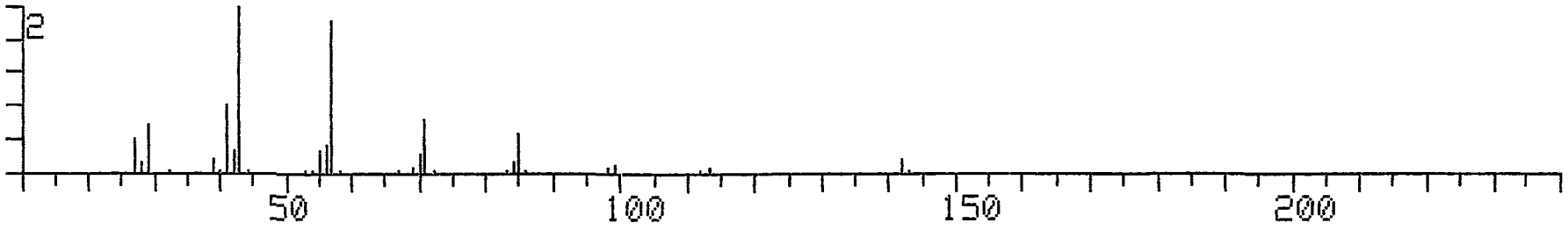
SCANS: 1687-1687 BKG * 1.00 1673



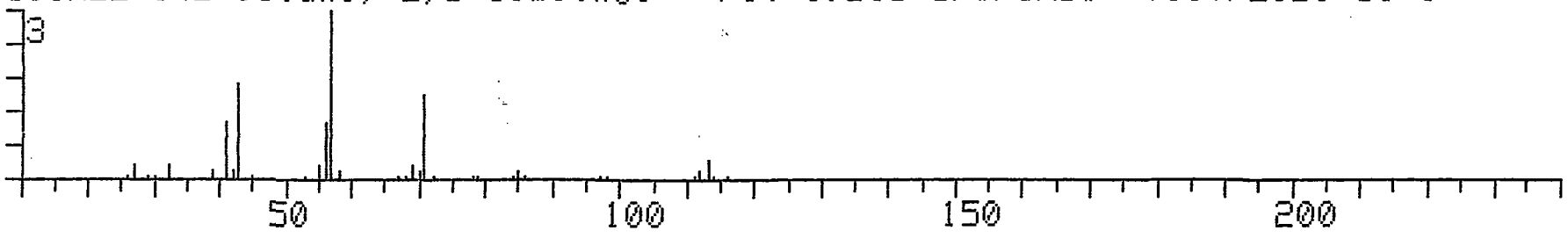
C10H22 142 Nonane, 3-methyl- Fit 0.539 SP#/CAS# 6982/5911-04-6



C10H22 142 Decane Fit 0.514 SP#/CAS# 6984/124-18-5



C10H22 142 Octane, 2,6-dimethyl- Fit 0.508 SP#/CAS# 7007/2051-30-1



NISTEPA Library Search

File name: SYO:EQK08RE **UNKNOWN HYDROCARBON**
Comments: EQK08 EXTR03
Scan Number: 1937
Background Scans * 1.00 1928
Retention time: 17.53 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.372
C10H22 142 Decane

Rank 2 Spectrum 7003
C.A.S 17301-94-9
Fit 0.359
C10H22 142 Nonane, 4-methyl-

Rank 3 Spectrum 7005
C.A.S 15869-89-3
Fit 0.356
C10H22 142 Octane, 2,5-dimethyl-

Rank 4 Spectrum 7000
C.A.S 15869-86-0
Fit 0.328
C10H22 142 Octane, 4-ethyl-

Rank 5 Spectrum 6998
C.A.S 871-83-0
Fit 0.319
C10H22 142 Nonane, 2-methyl-

Rank 6 Spectrum 4503
C.A.S 7154-79-2
Fit 0.317
C9H20 128 Pentane, 2,2,3,3-tetramethyl-

Rank 7 Spectrum 6997
C.A.S 52896-90-9
Fit 0.314
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 8 Spectrum 6989
C.A.S 5881-17-4
Fit 0.307
C10H22 142 Octane, 3-ethyl-

Rank 9 Spectrum 7004
C.A.S 13475-78-0
Fit 0.306
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 10 Spectrum 6982
C.A.S 5911-04-6
Fit 0.304
C10H22 142 Nonane, 3-methyl-

NISTEPA Forward Library Search

TIC = 19794

Injection Date: 18-MAY-92 Time: 14:25:57

100% = 3426

Filename: SY0:EQK08RE

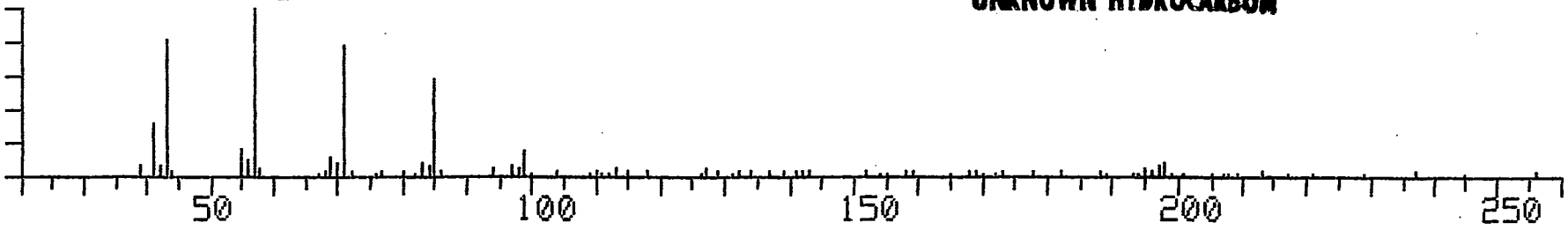
Comments:

EQK08 EXTR03

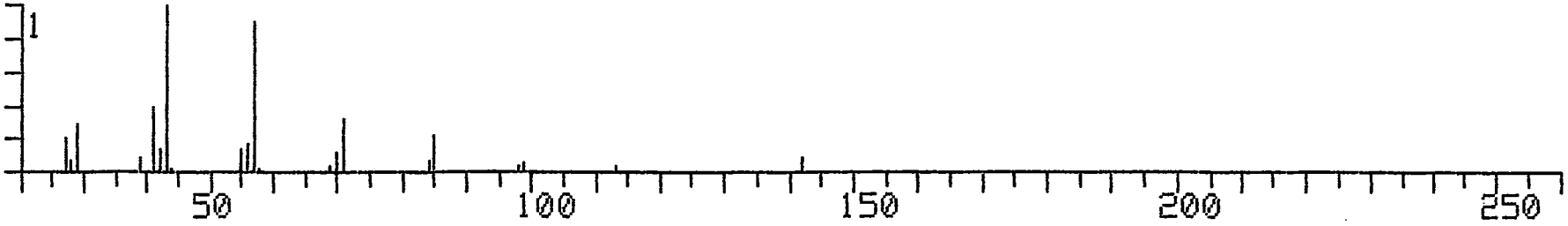
000448

SCANS: 1937-1937 BKG * 1.00 1928

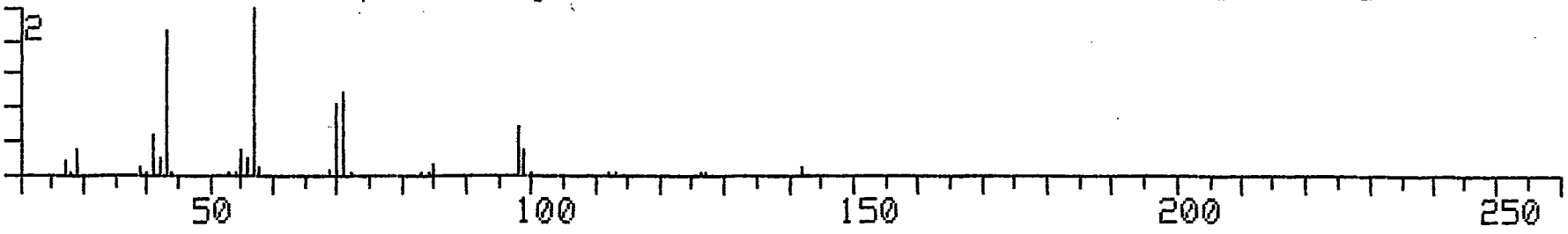
UNKNOWN HYDROCARBON



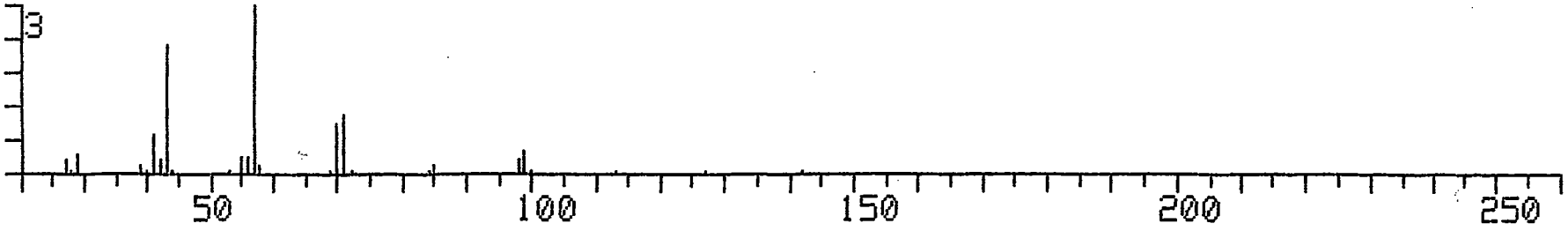
C10H22 142 Decane Fit 0.372 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 4-methyl- Fit 0.359 SP#/CAS# 7003/17301-94-9



C10H22 142 Octane, 2,5-dimethyl- Fit 0.356 SP#/CAS# 7005/15869-89-3



NISTEPA Library Search

UNKNOWN HYDROCARBON

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2135
Background Scans * 1.00 2127
Retention time: 19.10 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 9979
C.A.S 17302-23-7
Fit 0.395
C11H24 156 Nonane, 4,5-dimethyl-

Rank 2 Spectrum 10366
C.A.S 10042-59-8
Fit 0.374
C10H22O 158 1-Heptanol, 2-propyl-

Rank 3 Spectrum 7007
C.A.S 2051-30-1
Fit 0.369
C10H22 142 Octane, 2,6-dimethyl-

Rank 4 Spectrum 9981
C.A.S 6975-98-0
Fit 0.366
C11H24 156 Decane, 2-methyl-

Rank 5 Spectrum 9983
C.A.S 17302-27-1
Fit 0.362
C11H24 156 Nonane, 2,5-dimethyl-

Rank 6 Spectrum 6982
C.A.S 5911-04-6
Fit 0.362
C10H22 142 Nonane, 3-methyl-

Rank 7 Spectrum 4821
C.A.S 104-76-7
Fit 0.359
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 8 Spectrum 9971
C.A.S 62016-34-6
Fit 0.352
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 9 Spectrum 9445
C.A.S 5877-42-9
Fit 0.349
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 10 Spectrum 10356
C.A.S 2370-14-1
Fit 0.341
C10H22O 158 1-Octanol, 2,2-dimethyl-

NISTEPA Forward Library Search

TIC = 18679

Injection Date: 18-MAY-92 Time: 14:25:57

100% = 3184

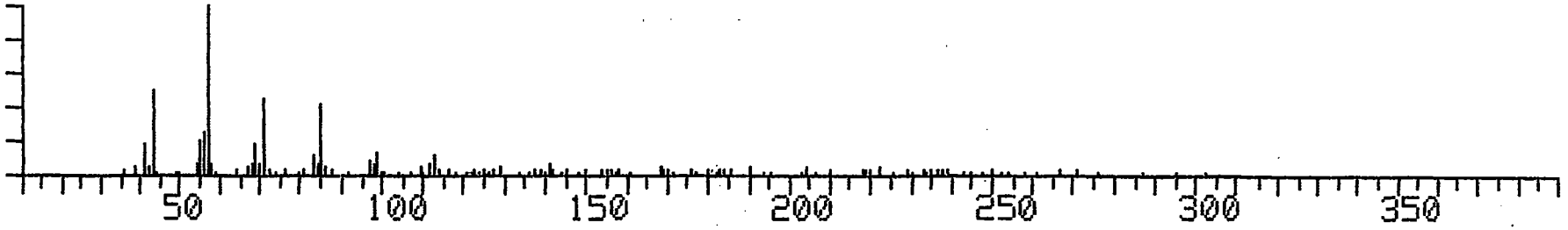
Filename: SY0:EQK08RE

Comments:

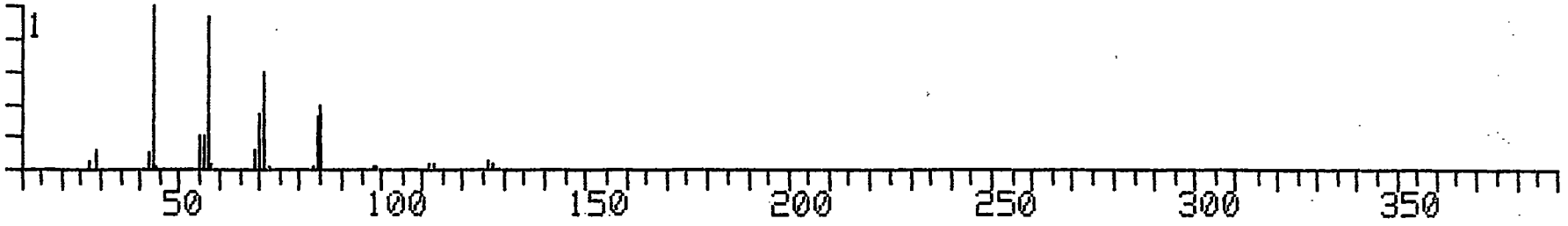
EQK08 EXTR03

UNKNOWN HYDROCARBON

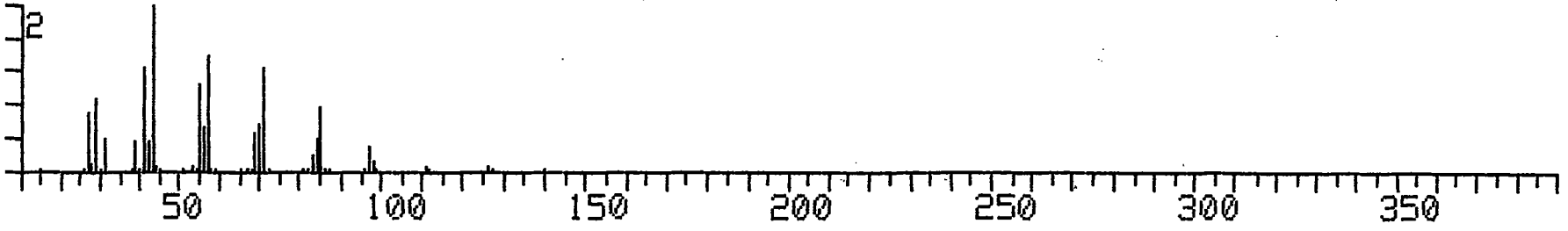
SCANS: 2135-2135 BKG * 1.00 2127



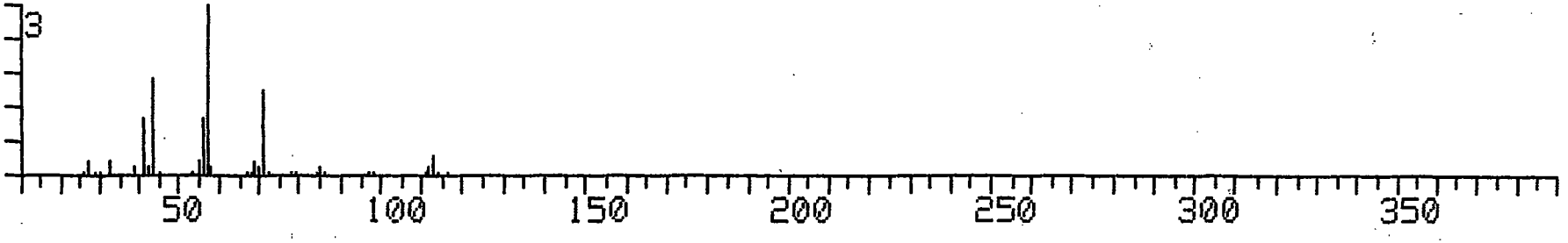
C11H24 156 Nonane, 4,5-dimethyl- Fit 0.395 SP#/CAS# 9979/17302-23-7



C10H220 158 1-Heptanol, 2-propyl- Fit 0.374 SP#/CAS# 10366/10042-59-8



C10H22 142 Octane, 2,6-dimethyl- Fit 0.369 SP#/CAS# 7007/2051-30-1



000450

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2150
Background Scans * 1.00 2143
Retention time: 19.22 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6565
C.A.S 21328-57-4
Fit 0.442
C10H20 140 Cyclooctane, 1,5-dimethyl-

Rank 2 Spectrum 6952
C.A.S 31502-14-4
Fit 0.414
C9H18O 142 2-Nonen-1-ol, (E)-

Rank 3 Spectrum 6510
C.A.S 18829-56-6
Fit 0.404
C9H16O 140 2-Nonenal, (E)-

Rank 4 Spectrum 7394
C.A.S 143-08-8
Fit 0.397
C9H20O 144 1-Nonanol

Rank 5 Spectrum 6586
C.A.S 13151-98-9
Fit 0.393
C10H20 140 Cyclooctane, 1,4-dimethyl-, trans-

Rank 6 Spectrum 7382
C.A.S 28473-21-4
Fit 0.387
C9H20O 144 Nonanol

Rank 7 Spectrum 6536
C.A.S 29053-04-1
Fit 0.381
C10H20 140 Cyclopentane, 1-methyl-3-(2-methylpropyl)-

Rank 8 Spectrum 6537
C.A.S 1005-68-1
Fit 0.370
C10H20 140 Cyclopentane, (3-methylbutyl)-

Rank 9 Spectrum 4035
C.A.S 2548-87-0
Fit 0.370
C8H14O 126 2-Octenal, (E)-

Rank 10 Spectrum 6561
C.A.S 6783-92-2
Fit 0.369
C10H20 140 Cyclohexane, 1,1,2,3-tetramethyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

TIC = 25800

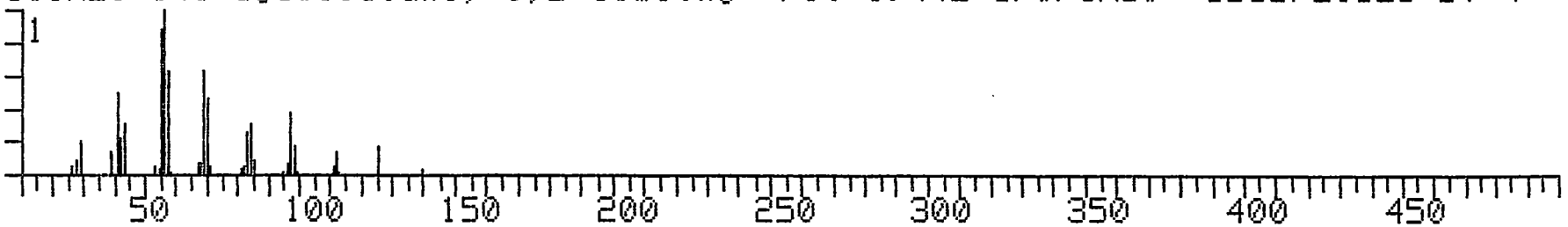
100% = 2032

UNKNOWN HYDROCARBON

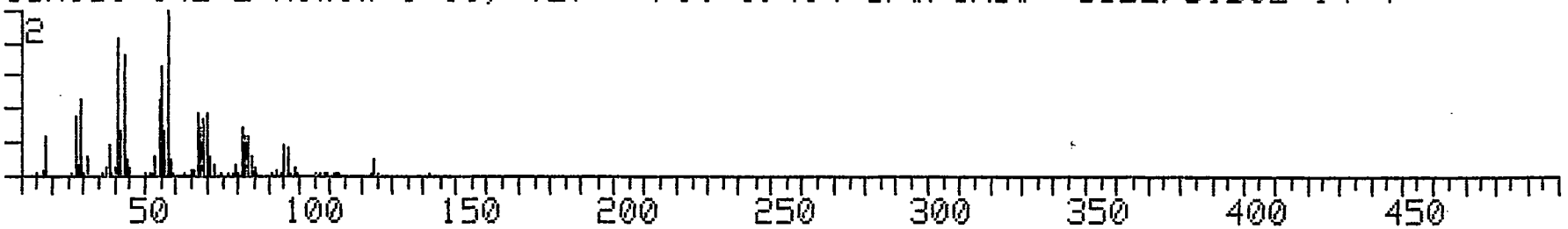
000452

SCANS: 2150-2150 BKG * 1.00 2143

C10H20 140 Cyclooctane, 1,5-dimethy Fit 0.442 SP#/CAS# 6565/21328-57-4



C9H18O 142 2-Nonen-1-ol, (E)- Fit 0.414 SP#/CAS# 6952/31502-14-4



C9H16O 140 2-Nonenal, (E)- Fit 0.404 SP#/CAS# 6510/18829-56-6

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2305
Background Scans * 1.00 2300
Retention time: 20.43 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9976
C.A.S 62016-18-6
Fit 0.394
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 2 Spectrum 9979
C.A.S 17302-23-7
Fit 0.375
C11H24 156 Nonane, 4,5-dimethyl-

Rank 3 Spectrum 10356
C.A.S 2370-14-1
Fit 0.369
C10H220 158 1-Octanol, 2,2-dimethyl-

Rank 4 Spectrum 12659
C.A.S 56851-34-4
Fit 0.364
C12H24 168 2-Undecene, 5-methyl-

Rank 5 Spectrum 9905
C.A.S 103-44-6
Fit 0.358
C10H200 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 6 Spectrum 9971
C.A.S 62016-34-6
Fit 0.345
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 7 Spectrum 7004
C.A.S 13475-78-0
Fit 0.333
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 8 Spectrum 12701
C.A.S 74630-39-0
Fit 0.330
C12H24 168 1-Undecene, 4-methyl-

Rank 9 Spectrum 9510
C.A.S 13151-29-6
Fit 0.329
C11H22 154 1-Decene, 4-methyl-

Rank 10 Spectrum 6997
C.A.S 52896-90-9
Fit 0.327
C10H22 142 Heptane, 3-ethyl-5-methyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

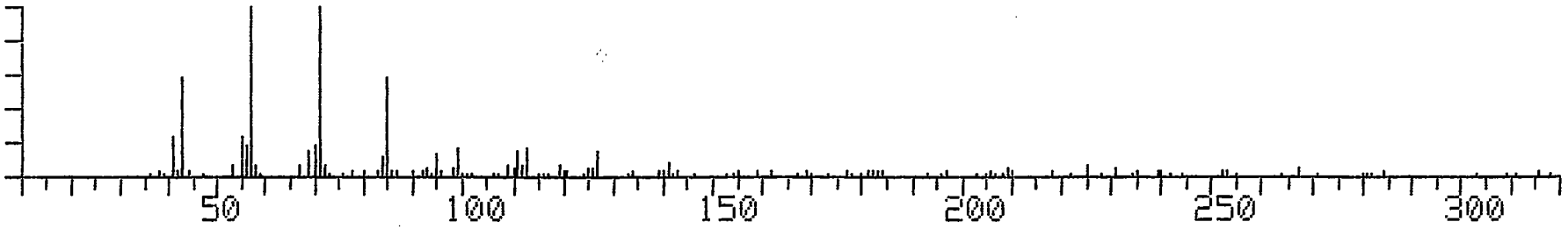
TIC = 26090

100% = 3584

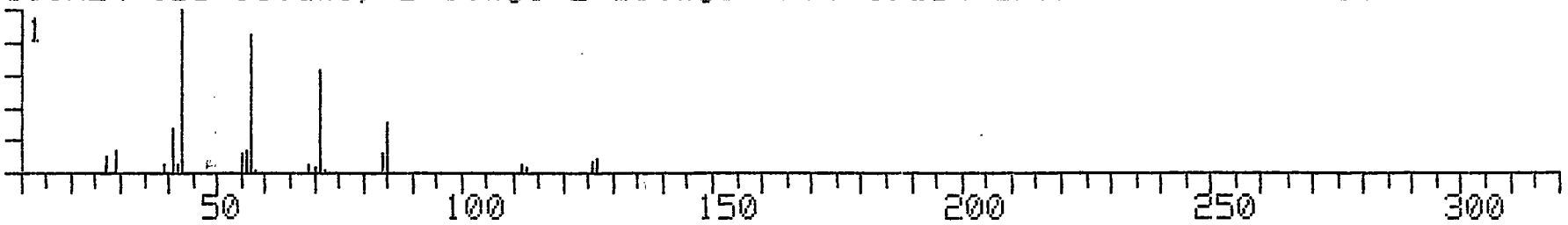
UNKNOWN HYDROCARBON

000451

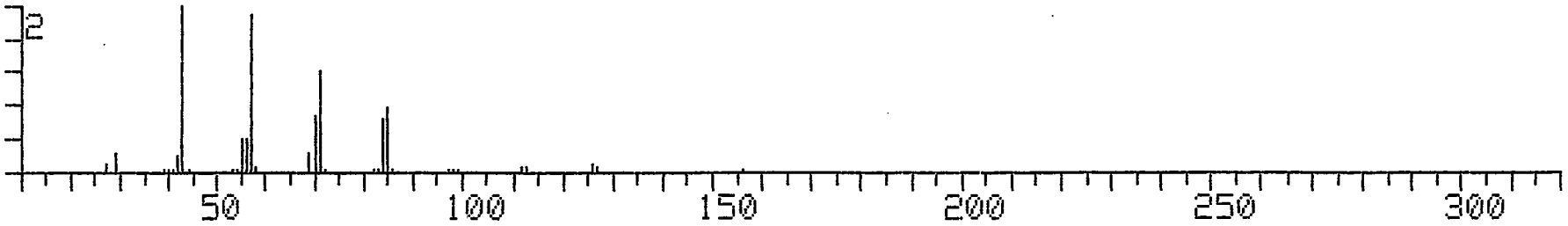
SCANS: 2305-2305 BKG * 1.00 2300



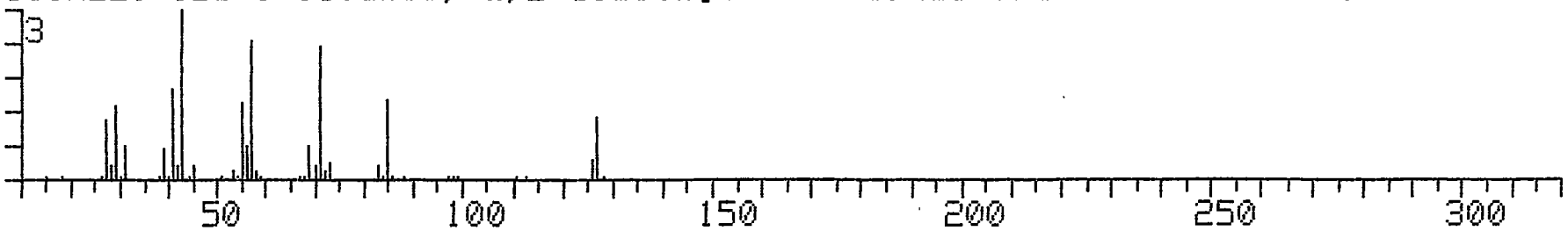
C11H24 156 Octane, 5-ethyl-2-methyl Fit 0.394 SP#/CAS# 9976/62016-18-6



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.375 SP#/CAS# 9979/17302-23-7



C10H220 158 1-Octanol, 2,2-dimethyl Fit 0.369 SP#/CAS# 10356/2370-14-1



NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2388
Background Scans * 1.00 2378
Retention time: 21.08 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 10002
C.A.S 2937-53-3
Fit 0.313
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 2 Spectrum 14244
C.A.S 764-85-2
Fit 0.287
C9H17ClO 176 Nonanoyl chloride

Rank 3 Spectrum 13528
C.A.S 42962-93-6
Fit 0.272
C10H20O2 172 1,2-Cyclohexanediol, 3-methyl-6-(1-methylethyl)-, (1.alpha.,2.beta.,3.beta.,6.alpha.)-

Rank 4 Spectrum 13926
C.A.S 56009-26-8
Fit 0.257
C10H22S 174 3-Decanethiol

Rank 5 Spectrum 6886
C.A.S 1194-44-1
Fit 0.256
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 6 Spectrum 13119
C.A.S 112-44-7
Fit 0.250
C11H22O 170 Undecanal

Rank 7 Spectrum 10366
C.A.S 10042-59-8
Fit 0.247
C10H22O 158 1-Heptanol, 2-propyl-

Rank 8 Spectrum 13140
C.A.S 112-40-3
Fit 0.246
C12H26 170 Dodecane

Rank 9 Spectrum 13157
C.A.S 998-35-6
Fit 0.244
C12H26 170 Nonane, 5-propyl-

Rank 10 Spectrum 13132
C.A.S 17322-97-3
Fit 0.239
C11H22O 170 1,2-Epoxyundecane

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

TIC = 28185

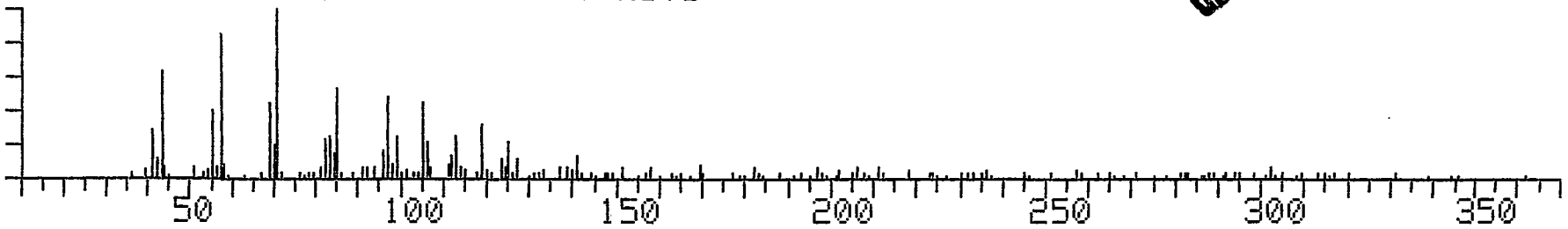
100% = 2416

UK

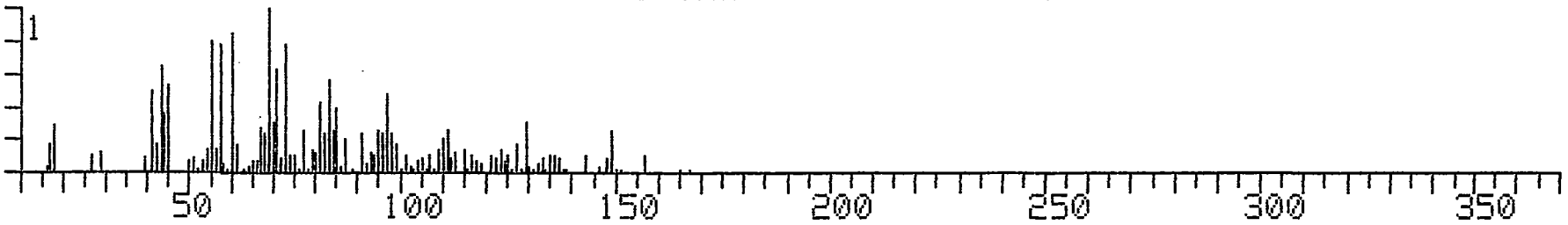
UNKNOWN HYDROCARBON

000456

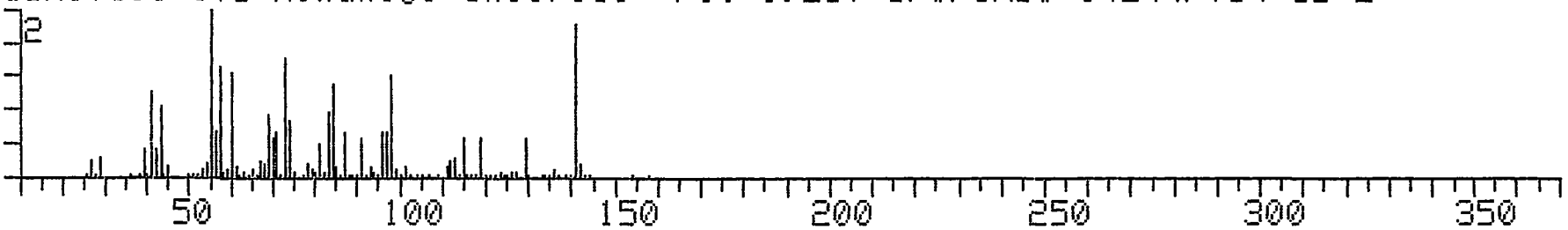
SCANS: 2388-2388 BKG * 1.00 2378



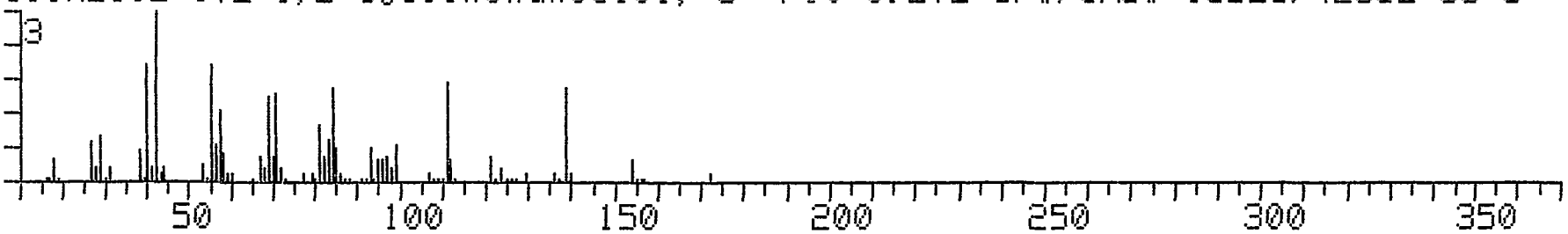
C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.313 SP#/CAS# 10002/2937-53-3



C9H17ClO 176 Nonanoyl chloride Fit 0.287 SP#/CAS# 14244/764-85-2



C10H20O2 172 1,2-Cyclohexanediol, 3 Fit 0.272 SP#/CAS# 13528/42962-93-6



NISTEPA Library Search

UNKNOWN ester

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2466
Background Scans * 1.00 2452
Retention time: 21.70 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 30143
C.A.S 4337-65-9
Fit 0.688
C14H2604 258 Hexanedioic acid, mono(2-ethylhexyl)ester

Rank 2 Spectrum 43935
C.A.S 123-79-5
Fit 0.636
C22H4204 370 Hexanedioic acid, dioctyl ester

Rank 3 Spectrum 38109
C.A.S 110-33-8
Fit 0.413
C18H3404 314 Hexanedioic acid, dihexyl ester

Rank 4 Spectrum 30142
C.A.S 141-04-8
Fit 0.366
C14H2604 258 Hexanedioic acid, bis(2-methylpropyl) ester

Rank 5 Spectrum 37613
C.A.S 849-99-0
Fit 0.362
C18H3004 310 Hexanedioic acid, dicyclohexyl ester

Rank 6 Spectrum 38114
C.A.S 55125-22-9
Fit 0.362
C18H3404 314 Hexanedioic acid, bis(1,3-dimethylbutyl) ester

Rank 7 Spectrum 25359
C.A.S 6938-94-9
Fit 0.315
C12H2204 230 Hexanedioic acid, bis(1-methylethyl) ester

Rank 8 Spectrum 13488
C.A.S 42962-98-1
Fit 0.308
C10H2002 172 1,2-Cyclohexanediol, 4-methyl-1-(1-methylethyl)-, (1.alph
a.,2.alpha.,4.alpha.)-

Rank 9 Spectrum 47319
C.A.S 3709-14-6
Fit 0.294
C14H2604Se2 418 Valeric acid, 5,5'-diselenobis[3,3-dimethyl-

Rank 10 Spectrum 13367
C.A.S 13156-18-8
Fit 0.292
C8H1204 172 Ketone, 2,5-dihydro-2,5-dimethoxy-2-furyl methyl

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

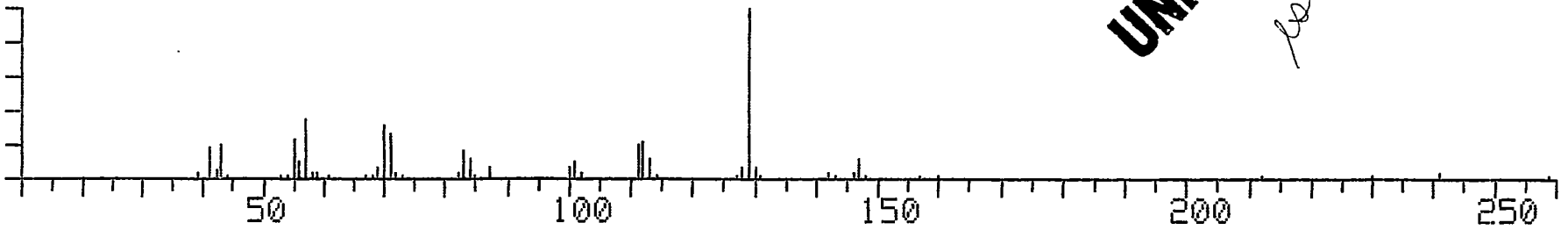
TIC = 699512

100% = 159392

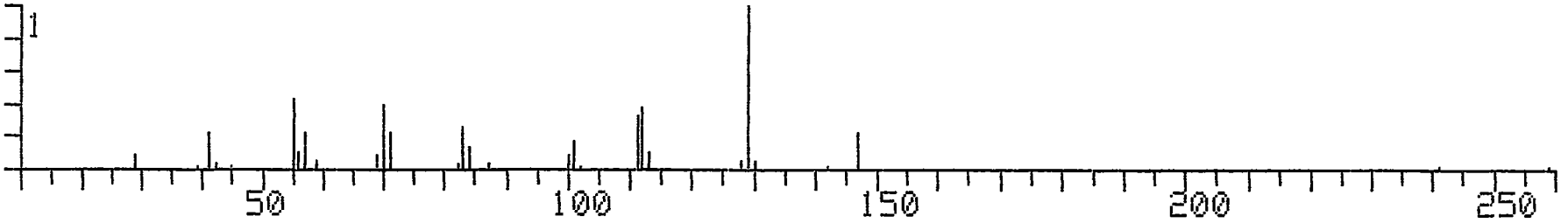
UNKNOWN

000458

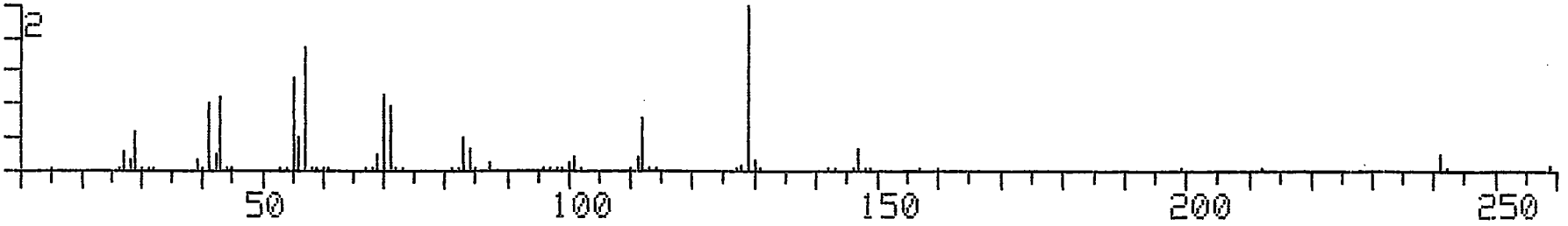
SCANS: 2466-2466 BKG * 1.00 2452



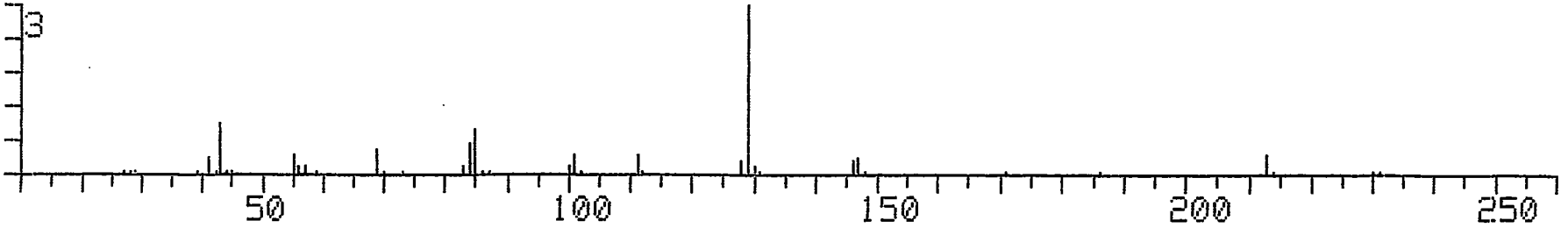
C14H2604 258 Hexanedioic acid, mono Fit 0.688 SP#/CAS# 30143/4337-65-9



C22H4204 370 Hexanedioic acid, dioc Fit 0.636 SP#/CAS# 43935/123-79-5



C18H3404 314 Hexanedioic acid, dihe Fit 0.413 SP#/CAS# 38109/110-33-8



NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2660
Background Scans * 1.00 2654
Retention time: 23.22 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN

Forward Search

Rank 1 Spectrum 35833
C.A.S 20489-83-2
Fit 0.355
C20H40O 296 Cyclotetradecanol, 1,7,11-trimethyl-4-(1-methylethyl)-, (-)-

Rank 2 Spectrum 31807
C.A.S 55000-30-1
Fit 0.310
C18H36O 268 Cyclohexanol, dodecyl-

Rank 3 Spectrum 31493
C.A.S 13151-92-3
Fit 0.306
C19H38 266 Tridecane 7-cyclohexyl-, 7-cyclohexyl-

Rank 4 Spectrum 31431
C.A.S 25377-73-5
Fit 0.305
C16H26O3 266 2,5-Furandione, 3-(dodecenyl)dihydro-

Rank 5 Spectrum 25442
C.A.S 29718-44-3
Fit 0.304
C14H30O2 230 1-Dodecanol, ethoxy-

Rank 6 Spectrum 34452
C.A.S 2136-71-2
Fit 0.302
C18H38O2 286 Ethanol, 2-(hexadecyloxy)-

Rank 7 Spectrum 31487
C.A.S 18435-45-5
Fit 0.300
C19H38 266 1-Nonadecene

Rank 8 Spectrum 34701
C.A.S 1561-06-4
Fit 0.298
C17H36O3 288 1,2-Propanediol, 3-(tetradecyloxy)-

Rank 9 Spectrum 34453
C.A.S 2885-00-9
Fit 0.297
C18H38S 286 1-Octadecanethiol

Rank 10 Spectrum 31492
C.A.S 13151-91-2
Fit 0.297
C19H38 266 Tridecane 6-cyclohexyl-, 6-cyclohexyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

TIC = 33446

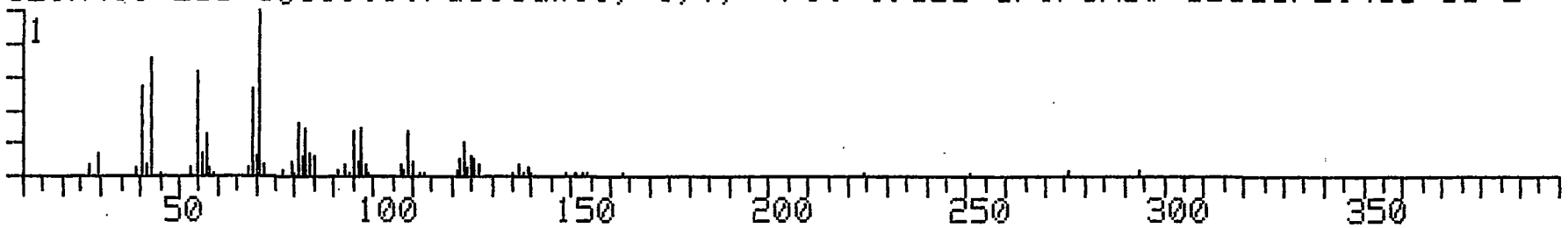
100% = 3264

UNKNOWN

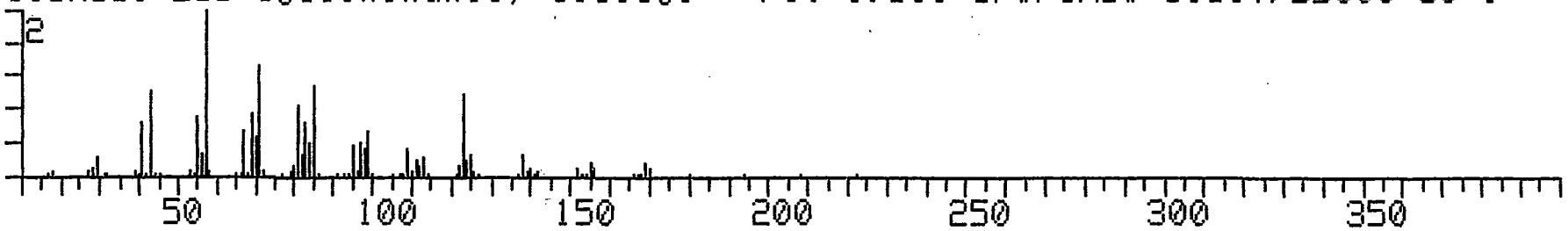
000460

SCANS: 2660-2660 BKG * 1.00 2654

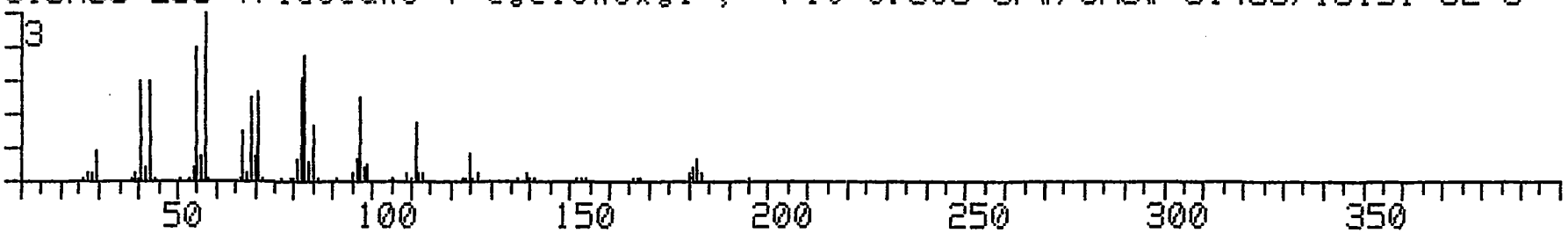
C20H40O 296 Cyclotetradecanol, 1,7, Fit 0.355 SP#/CAS# 35833/20489-83-2



C18H36O 268 Cyclohexanol, dodecyl- Fit 0.310 SP#/CAS# 31807/55000-30-1



C19H38 266 Tridecane 7-cyclohexyl-, Fit 0.306 SP#/CAS# 31493/13151-92-3



NISTEPA Library Search

File name: DUO:[301,10]EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2688
Retention time: 23.45 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN

Forward Search

Rank 1 Spectrum 10002
C.A.S 2937-53-3
Fit 0.510
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 2 Spectrum 9735
C.A.S 56771-77-8
Fit 0.490
C7H8O4 156 4-Hexenoic acid, 3-methyl-2,6-dioxo-

Rank 3 Spectrum 9930
C.A.S 31104-61-7
Fit 0.441
C10H20O 156 Cyclohexanol, 3-methyl-2-(1-methylethyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 4 Spectrum 9459
C.A.S 54244-81-4
Fit 0.436
C10H18O 154 Cyclohexanol, 2-methyl-3-(1-methylethenyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 5 Spectrum 13119
C.A.S 112-44-7
Fit 0.402
C11H22O 170 Undecanal

Rank 6 Spectrum 6952
C.A.S 31502-14-4
Fit 0.382
C9H18O 142 2-Nonen-1-ol, (E)-

Rank 7 Spectrum 9911
C.A.S 21129-27-1
Fit 0.379
C10H20O 156 Cyclohexanol, 1-methyl-4-(1-methylethyl)-

Rank 8 Spectrum 9960
C.A.S 490-99-3
Fit 0.375
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.beta.)-

Rank 9 Spectrum 9935
C.A.S 1490-04-6
Fit 0.367
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-

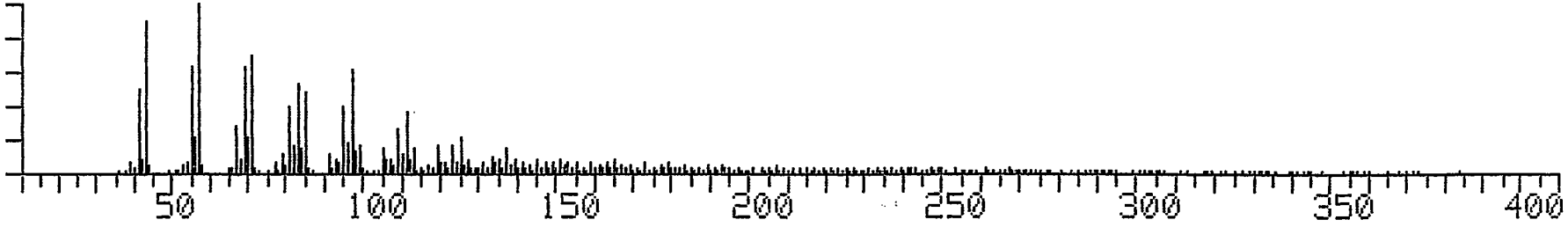
Rank 10 Spectrum 9956
C.A.S 18409-18-2

NISTEPA Forward Library Search
Injection Date: 18-MAY-92 Time: 14:25:57
Filename: DU0:[301,10]EQK08RE
Comments:
EQK08 EXTR03

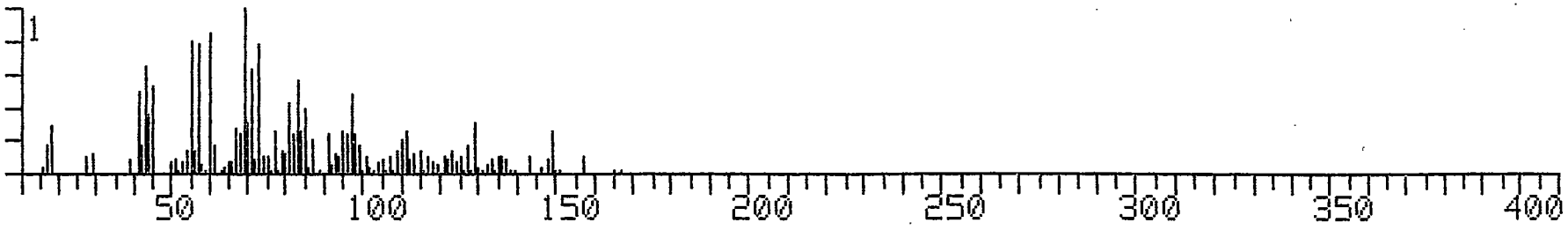
TIC = 192807
100% = 12208

UNKNOWN

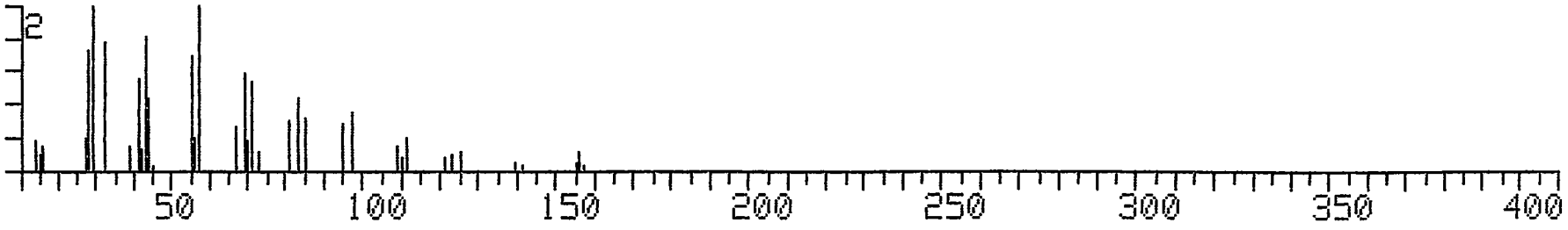
SCANS: 2688-2688 NO BACKGROUND SCANS



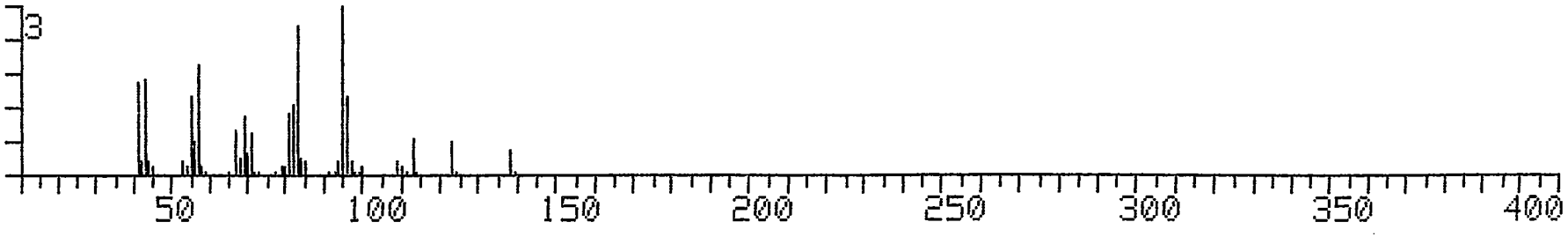
C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.510 SP#/CAS# 10002/2937-53-3



C7H8O4 156 4-Hexenoic acid, 3-methy Fit 0.490 SP#/CAS# 9735/56771-77-8



C10H20O 156 Cyclohexanol, 3-methyl- Fit 0.441 SP#/CAS# 9930/31104-61-7



Fit 0.364
C10H20O 156 2-Decen-1-ol, (E)-

000462

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2707
Background Scans * 1.00 2701
Retention time: 23.60 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON.

Forward Search

Rank 1 Spectrum 12695
C.A.S 54410-98-9
Fit 0.310
C12H24 168 1-Nonene, 4,6,8-trimethyl-

Rank 2 Spectrum 12701
C.A.S 74630-39-0
Fit 0.277
C12H24 168 1-Undecene, 4-methyl-

Rank 3 Spectrum 10356
C.A.S 2370-14-1
Fit 0.275
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 4 Spectrum 9905
C.A.S 103-44-6
Fit 0.273
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 5 Spectrum 9969
C.A.S 17302-32-8
Fit 0.273
C11H24 156 Nonane, 3,7-dimethyl-

Rank 6 Spectrum 9976
C.A.S 62016-18-6
Fit 0.264
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 7 Spectrum 9972
C.A.S 13151-34-3
Fit 0.261
C11H24 156 Decane, 3-methyl-

Rank 8 Spectrum 12667
C.A.S 64723-36-0
Fit 0.260
C12H24 168 Cyclopropane, 1-(2-methylbutyl)-1-(1-methylpropyl)-

Rank 9 Spectrum 6886
C.A.S 1194-44-1
Fit 0.250
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 10 Spectrum 9979
C.A.S 17302-23-7
Fit 0.246
C11H24 156 Nonane, 4,5-dimethyl-

NISTEPA Forward Library Search

TIC = 42887

Injection Date: 18-MAY-92 Time: 14:25:57

100% = 6064

Filename: SY0:EQK08RE

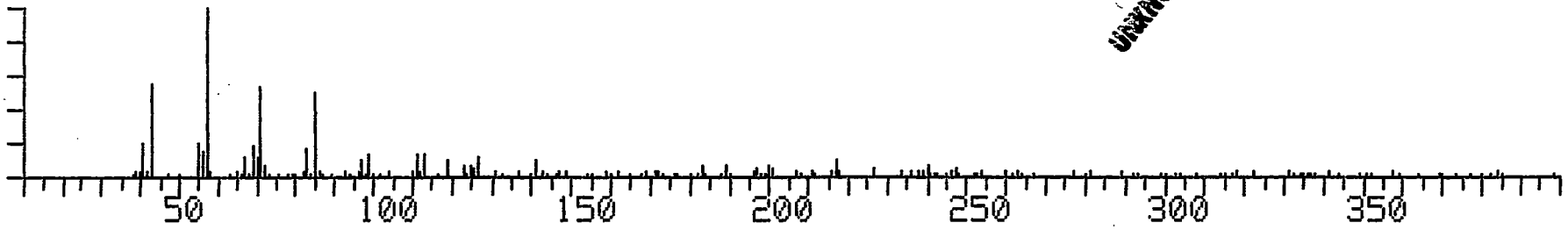
Comments:

EQK08 EXTR03

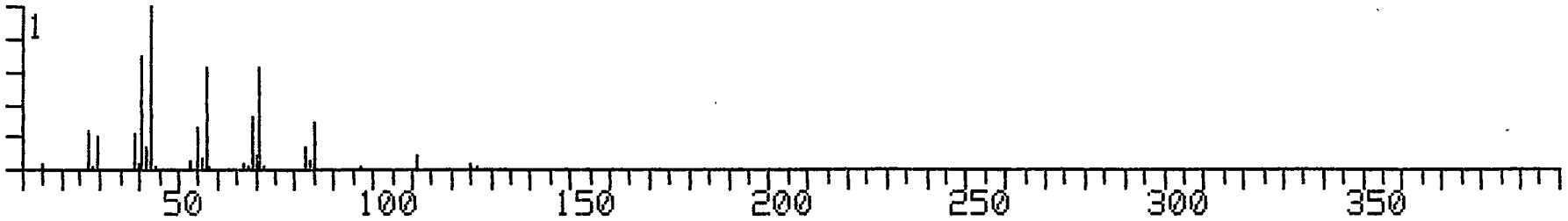
UNKNOWN HYDROCARBON

000464

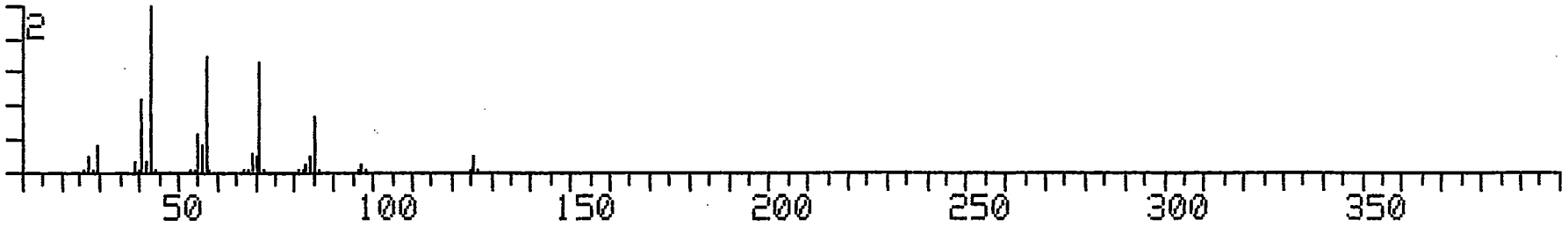
SCANS: 2707-2707 BKG * 1.00 2701



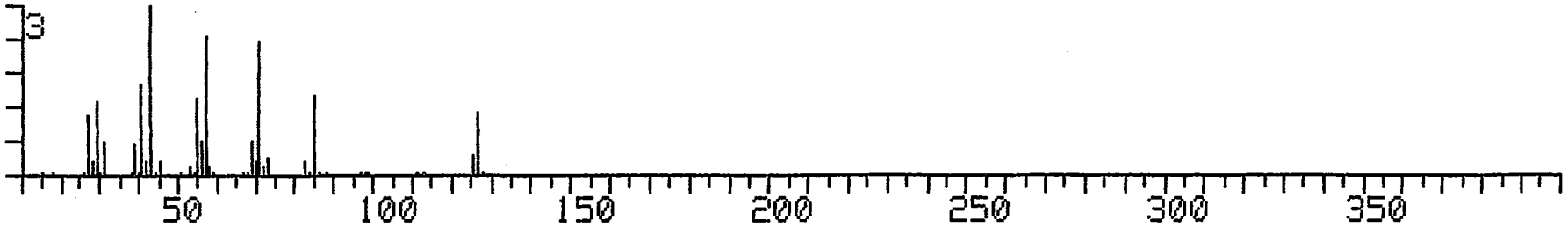
C12H24 168 1-Nonene, 4,6,8-trimethy Fit 0.310 SP#/CAS# 12695/54410-98-9



C12H24 168 1-Undecene, 4-methyl- Fit 0.277 SP#/CAS# 12701/74630-39-0



C10H220 158 1-Octanol, 2,2-dimethyl Fit 0.275 SP#/CAS# 10356/2370-14-1



NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2776
Background Scans * 1.00 2769
Retention time: 24.13 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9976
C.A.S 62016-18-6
Fit 0.299
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 2 Spectrum 9969
C.A.S 17302-32-8
Fit 0.291
C11H24 156 Nonane, 3,7-dimethyl-

Rank 3 Spectrum 9979
C.A.S 17302-23-7
Fit 0.287
C11H24 156 Nonane, 4,5-dimethyl-

Rank 4 Spectrum 9972
C.A.S 13151-34-3
Fit 0.286
C11H24 156 Decane, 3-methyl-

Rank 5 Spectrum 9905
C.A.S 103-44-6
Fit 0.275
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 6 Spectrum 9971
C.A.S 62016-34-6
Fit 0.265
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 7 Spectrum 6886
C.A.S 1194-44-1
Fit 0.262
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 8 Spectrum 6984
C.A.S 124-18-5
Fit 0.246
C10H22 142 Decane

Rank 9 Spectrum 9510
C.A.S 13151-29-6
Fit 0.244
C11H22 154 1-Decene, 4-methyl-

Rank 10 Spectrum 6982
C.A.S 5911-04-6
Fit 0.238
C10H22 142 Nonane, 3-methyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

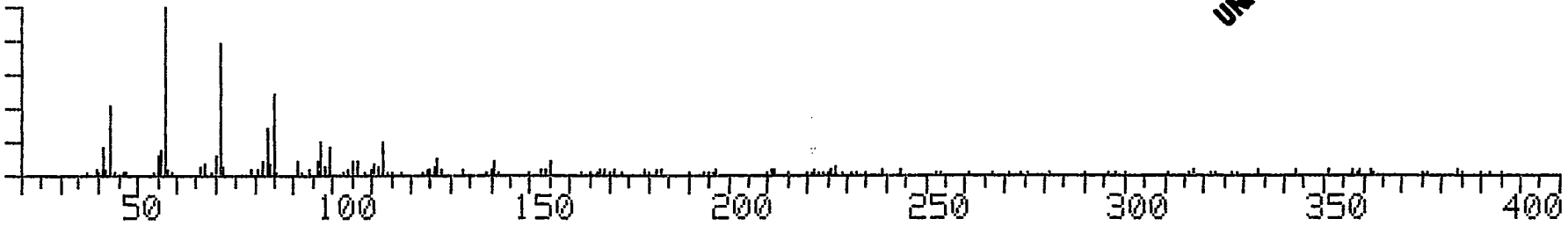
TIC = 41121

100% = 6064

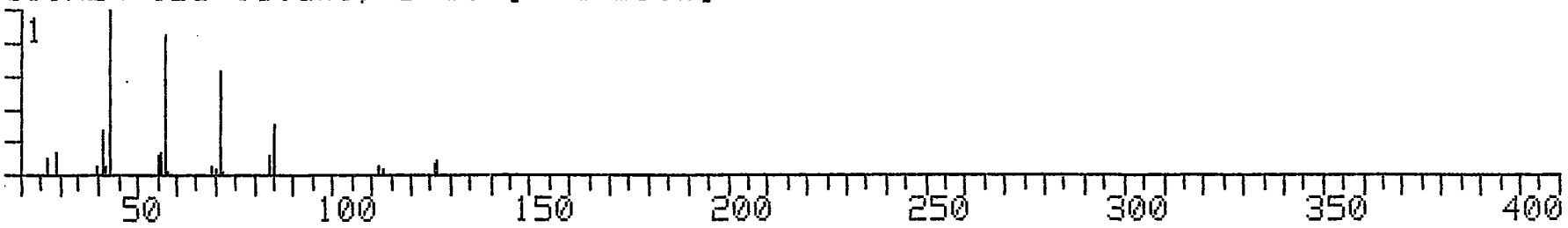
UNKNOWN HYDROCARBON

000466

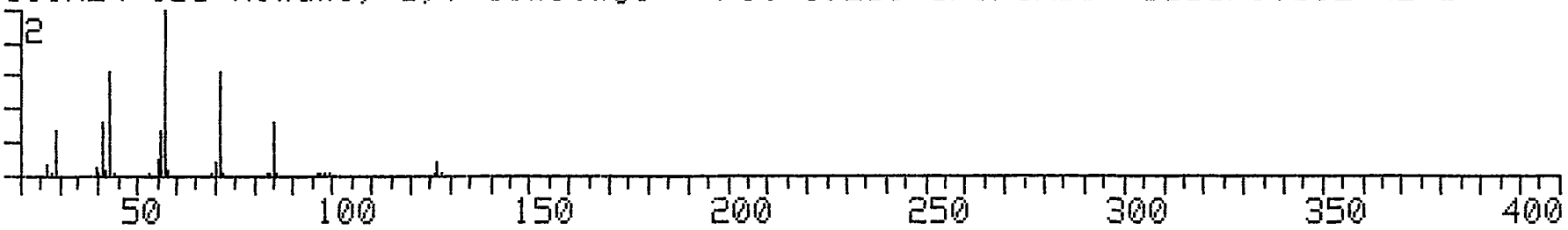
SCANS: 2776-2776 BKG * 1.00 2769



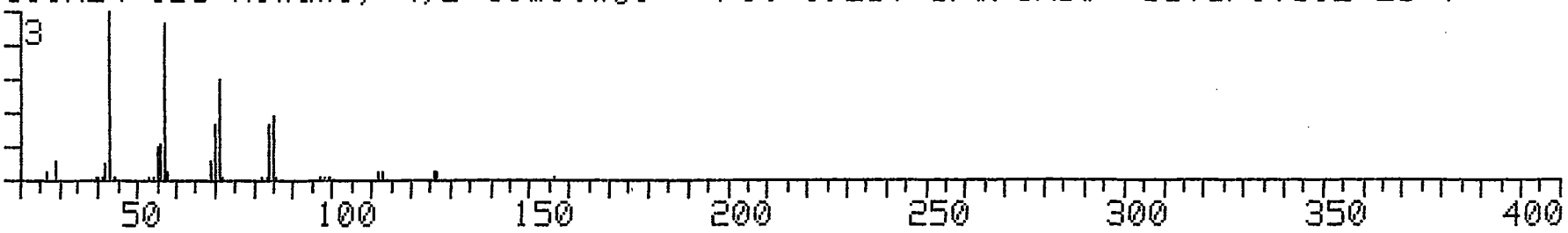
C11H24 156 Octane, 5-ethyl-2-methyl Fit 0.299 SP#/CAS# 9976/62016-18-6



C11H24 156 Nonane, 3,7-dimethyl- Fit 0.291 SP#/CAS# 9969/17302-32-8



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.287 SP#/CAS# 9979/17302-23-7



NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2915
Background Scans * 1.00 2912
Retention time: 25.23 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 49085
C.A.S 544-85-4
Fit 0.588
C32H66 450 Dotriacontane

Rank 2 Spectrum 53936
C.A.S 40710-28-9
Fit 0.499
C69H13603 1012 Nonahexacontanoic acid, 18-oxo-

Rank 3 Spectrum 47546
C.A.S 18296-44-1
Fit 0.485
C22H3008 422 Valtrate

Rank 4 Spectrum 52339
C.A.S 35545-51-8
Fit 0.472
C39H8002 580 Octadecane, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-

Rank 5 Spectrum 44713
C.A.S 593-49-7
Fit 0.454
C27H56 380 Heptacosane

Rank 6 Spectrum 31807
C.A.S 55000-30-1
Fit 0.453
C18H360 268 Cyclohexanol, dodecyl-

Rank 7 Spectrum 35832
C.A.S 150-86-7
Fit 0.450
C20H400 296 Phytol

Rank 8 Spectrum 53387
C.A.S 55256-08-1
Fit 0.441
C50H102 702 Tritriacontane, 13-decyl-13-heptyl-

Rank 9 Spectrum 53468
C.A.S 56599-98-5
Fit 0.439
C48H9603 720 Hexadecanoic acid, 2-(octadecyloxy)-, tetradecyl ester

Rank 10 Spectrum 52649
C.A.S 55162-61-3
Fit 0.438
C43H88 604 Tetracontane, 3,5,24-trimethyl-

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

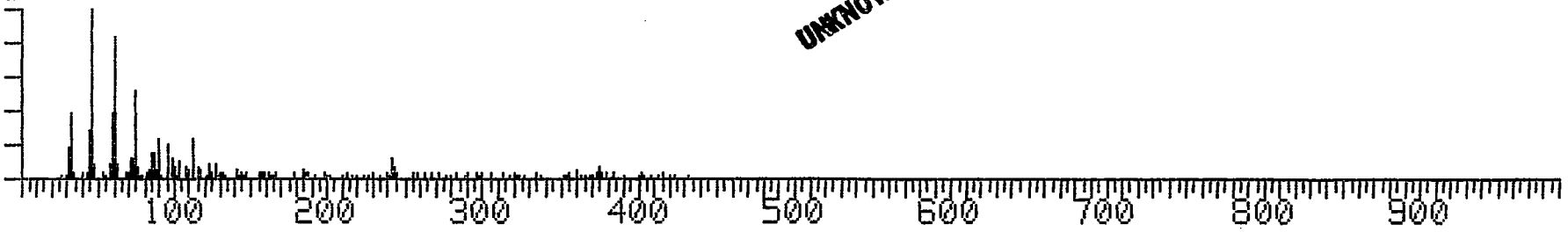
EQK08 EXTR03

TIC = 32307

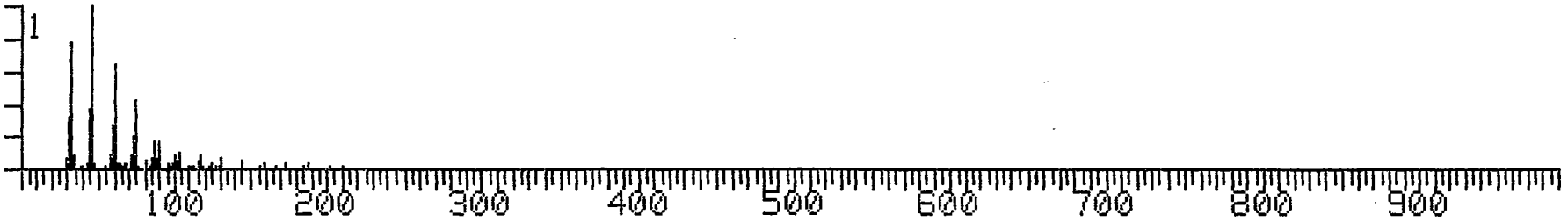
100% = 3760

UNKNOWN HYDROCARBON

SCANS: 2915-2915 BKG * 1.00 2912

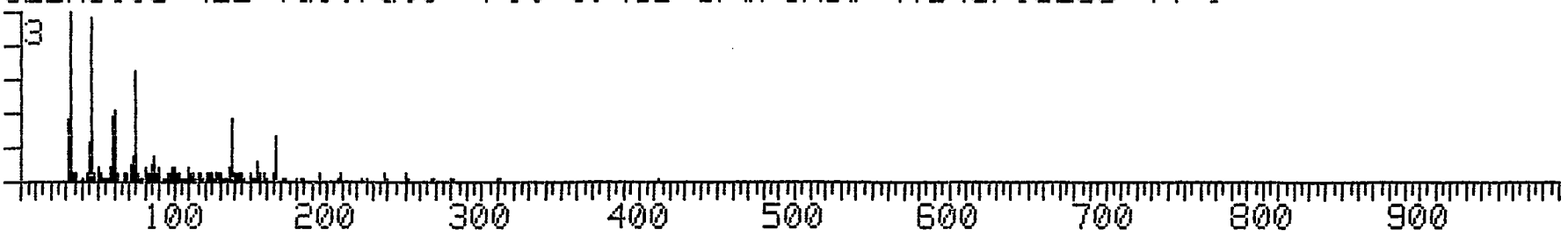


C32H66 450 Dotriacontane Fit 0.588 SP#/CAS# 49085/544-85-4



C69H136O3 1012 Nonahexacontanoic ac Fit 0.499 SP#/CAS# 53936/40710-28-9

C22H30O8 422 Valtrate Fit 0.485 SP#/CAS# 47546/18296-44-1



000468

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 2935
Background Scans * 1.00 2931
Retention time: 25.38 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN

Forward Search

Rank 1 Spectrum 47423
C.A.S 67049-37-0
Fit 0.149
C15H16CrN2O9 420 Chromium, pentacarbonyl[dimethyl 4,5-dihydro-4-(1-methylethyl)-3H-pyrazole-3,3-dicarboxylate-N1]-

No further entries found in library for this spectrum

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

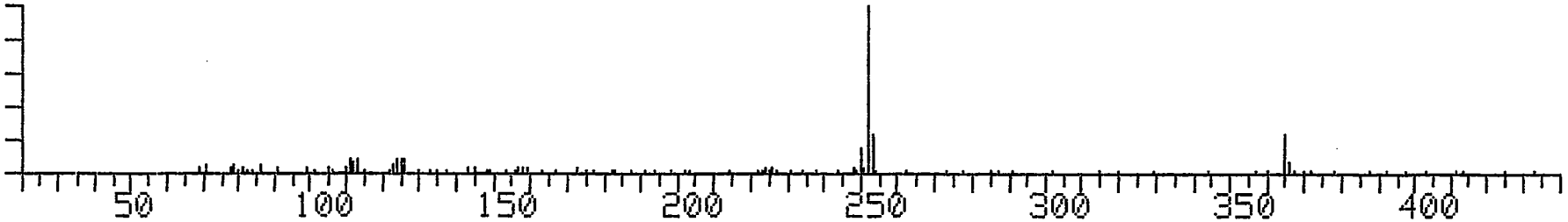
EQK08 EXTR03

TIC = 39512

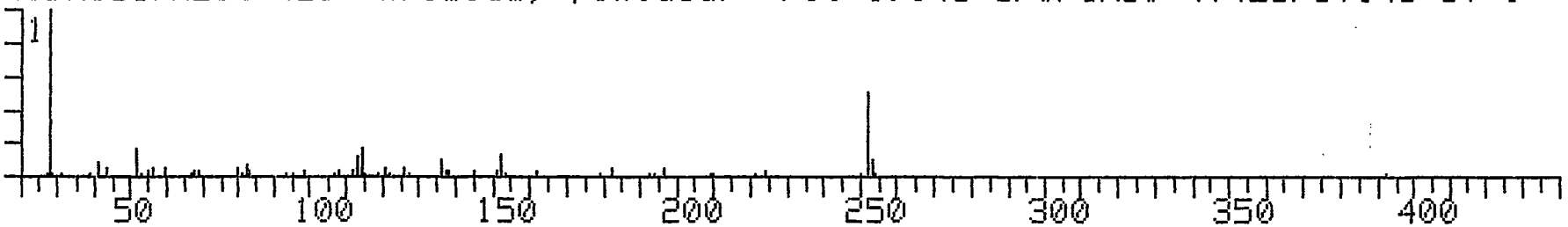
100% = 11312

UNKNOWN

SCANS: 2935-2935 BKG * 1.00 2931



C15H16CrN2O9 420 Chromium, pentacar Fit 0.149 SP#/CAS# 47423/67049-37-0



000470

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 3086
Background Scans * 1.00 3083
Retention time: 26.57 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN

Forward Search

Rank 1 Spectrum 47945
C.A.S 18671-57-3
Fit 0.322
C30H52O 428 D:A-Friedooleanan-7-ol, (7.alpha.)-

Rank 2 Spectrum 49918
C.A.S 56588-24-0
Fit 0.295
C32H54O2 470 D:A-Friedooleanan-7-ol, acetate, (7.alpha.)-

Rank 3 Spectrum 47935
C.A.S 50633-28-8
Fit 0.243
C30H52O 428 Lanostan-11-one

Rank 4 Spectrum 47822
C.A.S 17947-04-5
Fit 0.235
C30H50O 426 D:A-Friedooleanan-2-one

Rank 5 Spectrum 47683
C.A.S 514-07-8
Fit 0.185
C30H48O 424 D-Friedoolean-14-en-3-one

No further entries found in library for this spectrum

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

EQK08 EXTR03

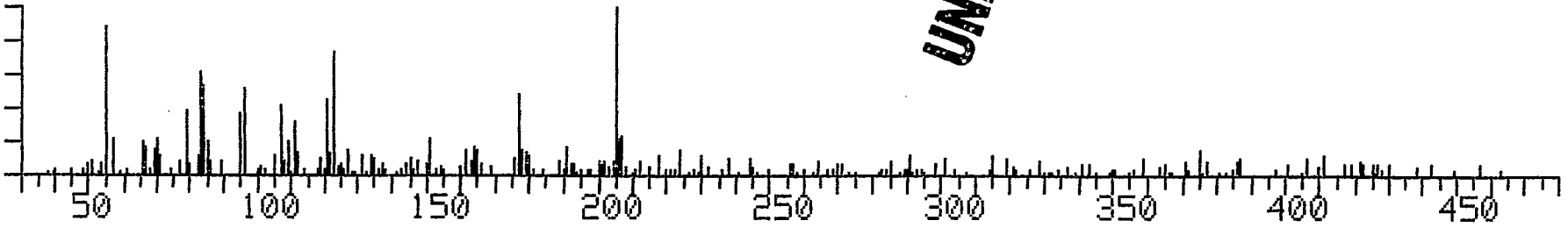
TIC = 22060

100% = 1233

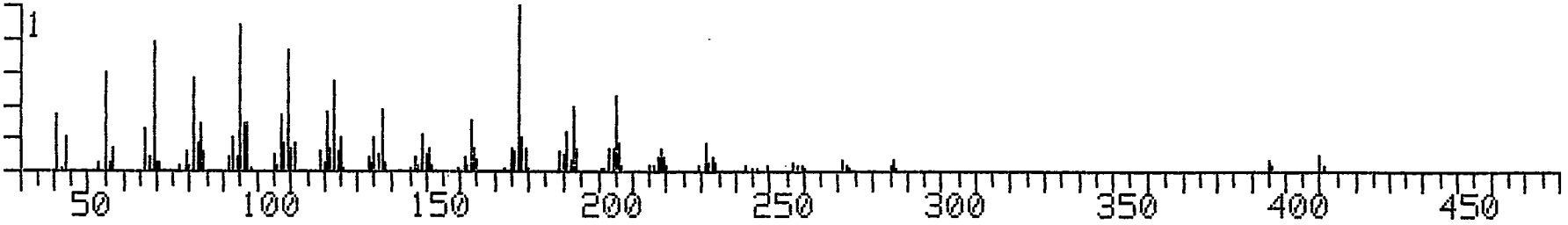
UNKNOWN

000472

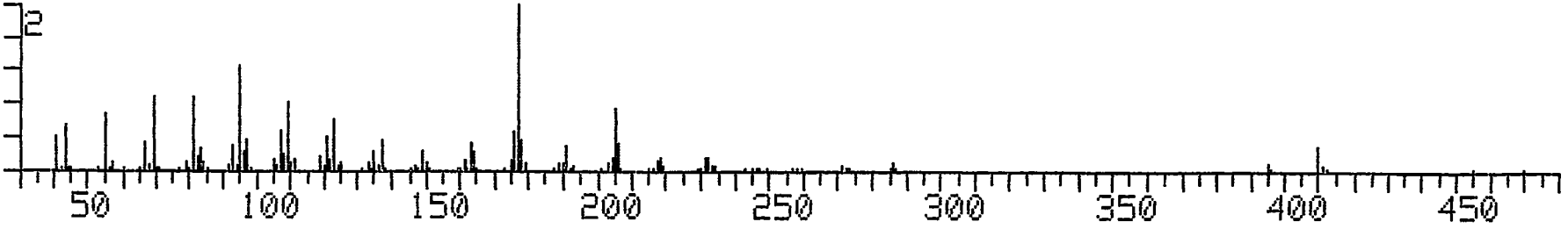
SCANS: 3086-3086 BKG * 1.00 3083



C30H520 428 D:A-Friedooleanan-7-ol, Fit 0.322 SP#/CAS# 47945/18671-57-3



C32H5402 470 D:A-Friedooleanan-7-ol Fit 0.295 SP#/CAS# 49918/56588-24-0



C30H520 428 Lanostan-11-one Fit 0.243 SP#/CAS# 47935/50633-28-8

NISTEPA Library Search

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 3092
Background Scans * 1.00 3088
Retention time: 26.62 min.
Date: 18-MAY-92 Time: 14:25:57

UNKNOWN

Forward Search

Rank 1 Spectrum 45158
C.A.S 40072-53-5
Fit 0.453
C27H46O 386 Cholestan-7-one, (5.alpha.,14.beta.)-

Rank 2 Spectrum 47135
C.A.S 36441-74-4
Fit 0.424
C30H54 414 Baccharane

Rank 3 Spectrum 38183
C.A.S 39707-54-5
Fit 0.415
C21H30O2 314 1,4-Benzenediol, 2-[(decahydro-5,5,8a-trimethyl-2-methylene-1-naphthalenyl)methyl]-, [1R-(1.alpha.,4a.beta.,8a.alpha.)]-

Rank 4 Spectrum 43050
C.A.S 55334-01-5
Fit 0.409
C26H48 360 Phenanthrene, 9-dodecyltetradecahydro-

Rank 5 Spectrum 28537
C.A.S 55133-89-6
Fit 0.393
C18H32 248 Anthracene, 9-butyltetradecahydro-

Rank 6 Spectrum 30862
C.A.S 5153-92-4
Fit 0.376
C18H30O 262 1H-Naphtho[2,1-b]pyran, 4a,5,6,6a,7,8,9,10,10a,10b-decahydro-3,4a,7,7,10a-pentamethyl-, [4aR-(4a.alpha.,6a.beta.,10a.alpha.,10b.beta.)]-

Rank 7 Spectrum 43048
C.A.S 55401-75-7
Fit 0.373
C26H48 360 Anthracene, 9-dodecyltetradecahydro-

Rank 8 Spectrum 32730
C.A.S 55255-70-4
Fit 0.360
C20H34 274 Anthracene, 9-cyclohexyltetradecahydro-

Rank 9 Spectrum 46064
C.A.S 36728-72-0
Fit 0.339
C29H50 398 28-Nor-17.beta.(H)-hopane

Rank 10 Spectrum 31391
C.A.S 5090-67-5
Fit 0.325
C15H22O4 266 Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dihydroxy-6,

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

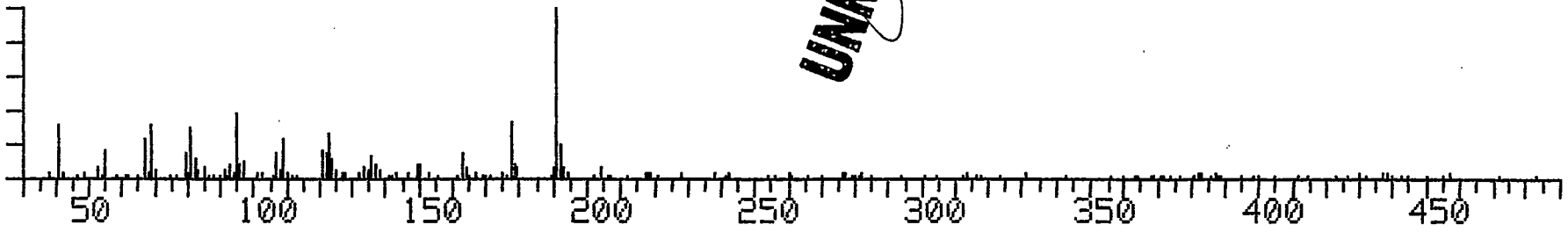
EQK08 EXTR03

TIC = 38652

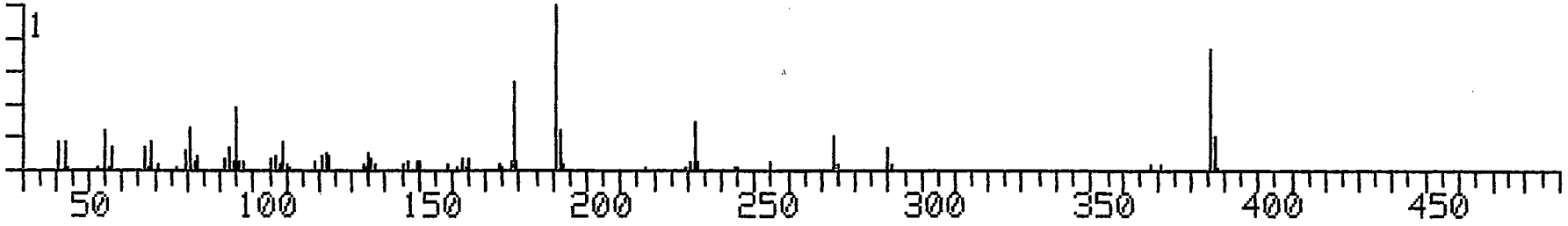
100% = 4912

UNKNOWN

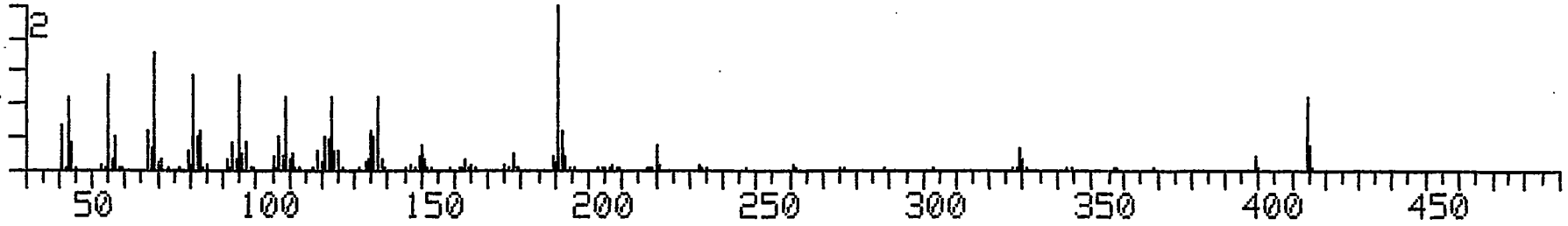
SCANS: 3092-3092 BKG * 1.00 3088



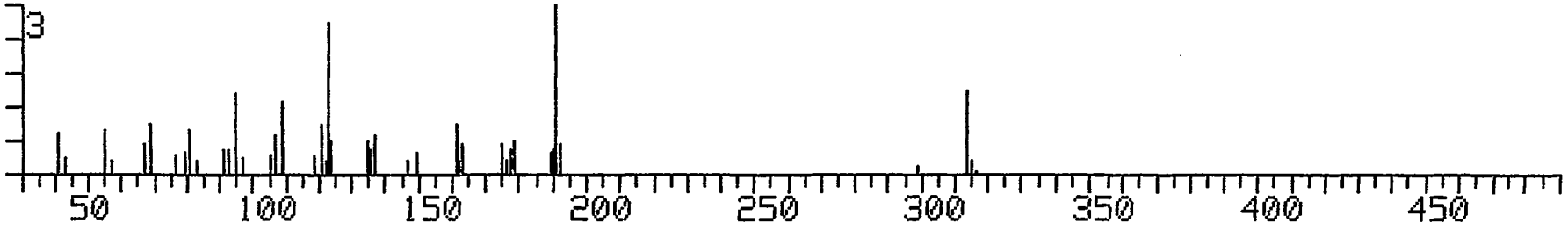
C27H46O 386 Cholestan-7-one, (5.alp Fit 0.453 SP#/CAS# 45158/40072-53-5



C30H54 414 Baccharane Fit 0.424 SP#/CAS# 47135/36441-74-4



C21H30O2 314 1,4-Benzenediol, 2-[(d Fit 0.415 SP#/CAS# 38183/39707-54-5



000477

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 3171
Background Scans * 1.00 3166
Retention time: 27.25 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 43050
C.A.S 55334-01-5
Fit 0.437
C26H48 360 Phenanthrene, 9-dodecyltetradecahydro-

Rank 2 Spectrum 47135
C.A.S 36441-74-4
Fit 0.431
C30H54 414 Baccharane

Rank 3 Spectrum 45158
C.A.S 40072-53-5
Fit 0.426
C27H46O 386 Cholestan-7-one, (5.alpha.,14.beta.)-

Rank 4 Spectrum 43048
C.A.S 55401-75-7
Fit 0.387
C26H48 360 Anthracene, 9-dodecyltetradecahydro-

Rank 5 Spectrum 38183
C.A.S 39707-54-5
Fit 0.384
C21H30O2 314 1,4-Benzenediol, 2-[(decahydro-5,5,8a-trimethyl-2-methylene-1-naphthalenyl)methyl]-, [1R-(1.alpha.,4a.beta.,8a.alpha.)]-

Rank 6 Spectrum 28537
C.A.S 55133-89-6
Fit 0.363
C18H32 248 Anthracene, 9-butyltetradecahydro-

Rank 7 Spectrum 30862
C.A.S 5153-92-4
Fit 0.344
C18H30O 262 1H-Naphtho[2,1-b]pyran, 4a,5,6,6a,7,8,9,10,10a,10b-decahydro-3,4a,7,7,10a-pentamethyl-, [4aR-(4a.alpha.,6a.beta.,10a.alpha.,10b.beta.)]-

Rank 8 Spectrum 50814
C.A.S 10153-89-6
Fit 0.331
C32H52S2 500 1,3-Dithiolane, 2-(28-noruts-12-en-17-yl)-

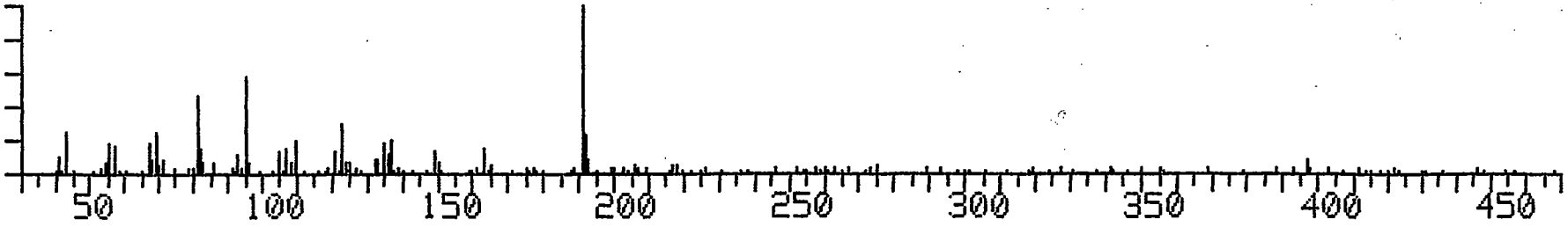
Rank 9 Spectrum 31391
C.A.S 5090-67-5
Fit 0.330
C15H22O4 266 Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dihydroxy-6,9a-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.beta.,6a.alpha.,8.alpha.,9.alpha.,9a.beta.,9b.alpha.)]-

NISTEPA Forward Library Search
Injection Date: 18-MAY-92 Time: 14:25:57
Filename: SY0:EQK08RE
Comments:
EQK08 EXTR03

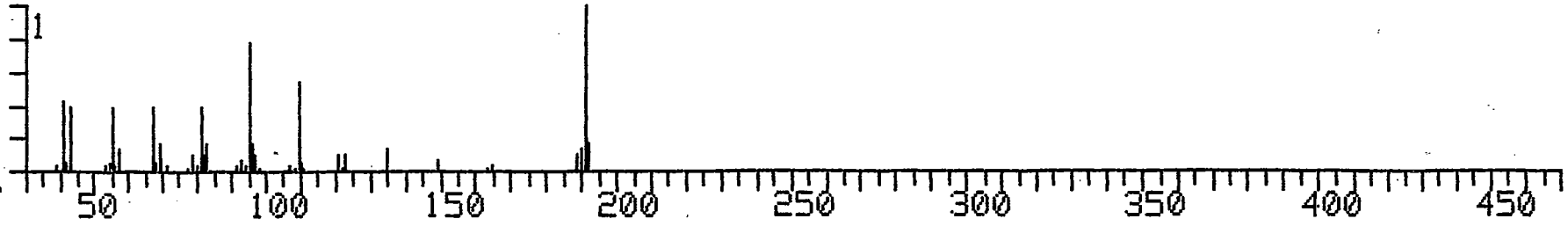
TIC = 34466
100% = 4176

UNKNOWN

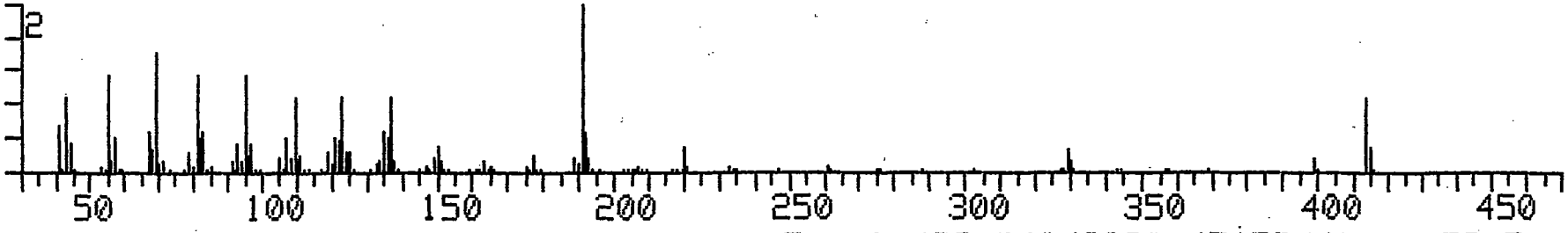
SCANS: 3171-3171 BKG * 1.00 3166



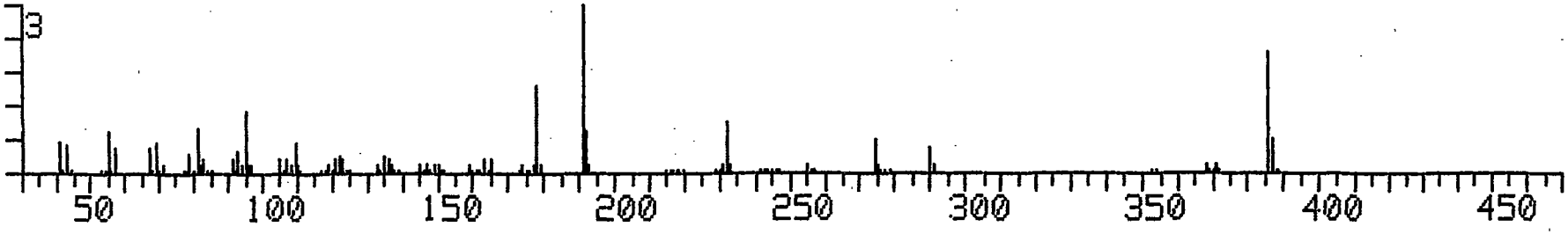
C26H48 360 Phenanthrene, 9-dodecylt Fit 0.437 SP#/CAS# 43050/55334-01-5



C30H54 414 Baccharane Fit 0.431 SP#/CAS# 47135/36441-74-4



C27H460 386 Cholestan-7-one, (5.alp Fit 0.426 SP#/CAS# 45158/40072-53-5



Rank 10 Spectrum 43049
C.A.S 55334-22-0
Fit 0.328
C26H48 360 Phenanthrene, 2-dodecyltetradecahydro-

000476

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 3274
Background Scans * 1.00 3269
Retention time: 28.05 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 43050
C.A.S 55334-01-5
Fit 0.407
C26H48 360 Phenanthrene, 9-dodecyltetradecahydro-

Rank 2 Spectrum 43048
C.A.S 55401-75-7
Fit 0.381
C26H48 360 Anthracene, 9-dodecyltetradecahydro-

Rank 3 Spectrum 47135
C.A.S 36441-74-4
Fit 0.373
C30H54 414 Baccharane

Rank 4 Spectrum 43049
C.A.S 55334-22-0
Fit 0.366
C26H48 360 Phenanthrene, 2-dodecyltetradecahydro-

Rank 5 Spectrum 45158
C.A.S 40072-53-5
Fit 0.361
C27H46O 386 Cholestan-7-one, (5.alpha.,14.beta.)-

Rank 6 Spectrum 31391
C.A.S 5090-67-5
Fit 0.331
C15H22O4 266 Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dihydroxy-6,9a-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.beta.,6a.alpha.,8.alpha.,9.alpha.,9a.beta.,9b.alpha.)]-

Rank 7 Spectrum 28537
C.A.S 55133-89-6
Fit 0.328
C18H32 248 Anthracene, 9-butyltetradecahydro-

Rank 8 Spectrum 44837
C.A.S 55334-18-4
Fit 0.301
C28H46 382 9,9'-Biphenanthrene, octacosahydro-

Rank 9 Spectrum 32730
C.A.S 55255-70-4
Fit 0.299
C20H34 274 Anthracene, 9-cyclohexyltetradecahydro-

Rank 10 Spectrum 20772
C.A.S 62337-97-7

NISTEPA Forward Library Search

Injection Date: 18-MAY-92 Time: 14:25:57

Filename: SY0:EQK08RE

Comments:

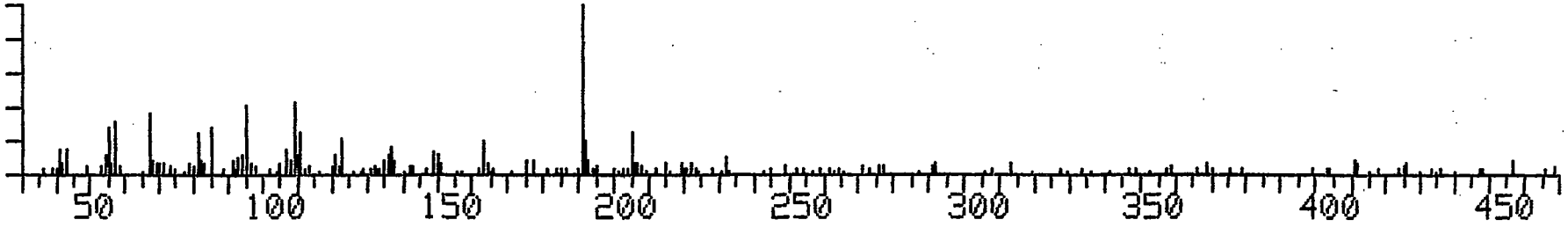
EQK08 EXTR03

TIC = 24615

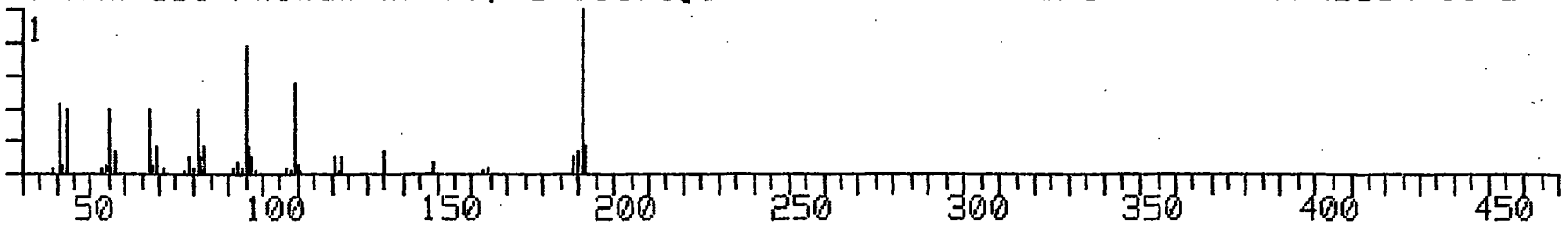
100% = 2309

UNKNOWN

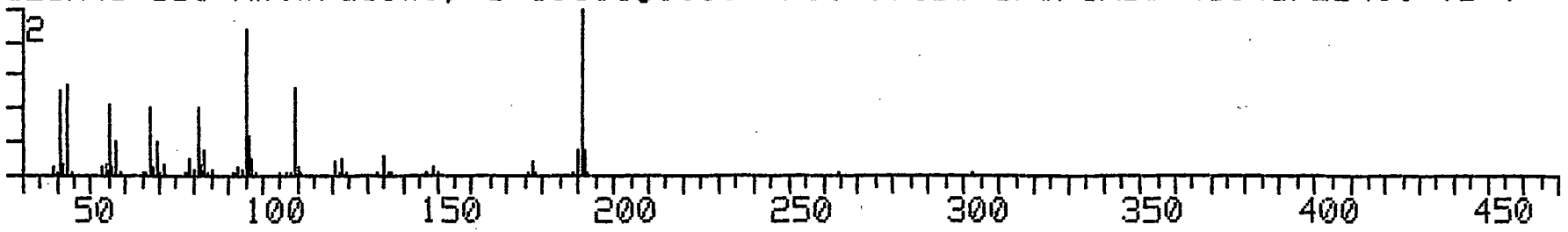
SCANS: 3274-3274 BKG * 1.00 3269



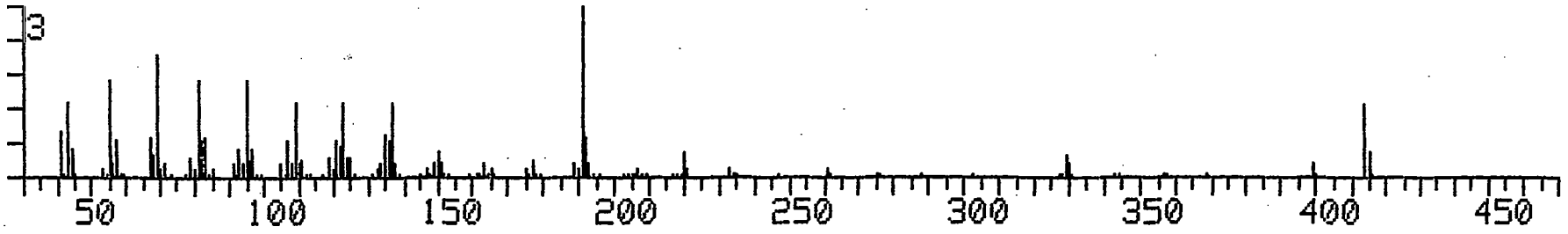
C26H48 360 Phenanthrene, 9-dodecylt Fit 0.407 SP#/CAS# 43050/55334-01-5



C26H48 360 Anthracene, 9-dodecyltet Fit 0.381 SP#/CAS# 43048/55401-75-7



C30H54 414 Baccharane Fit 0.373 SP#/CAS# 47135/36441-74-4



Fit 0.298
C15H26 206 Cyclohexane, 1,1,2-trimethyl-3,5-bis(1-methylethenyl)-, (2.
alpha.,3.beta.,5.beta.)-

000478

NISTEPA Library Search

UNKNOWN

File name: SYO:EQK08RE
Comments: EQK08 EXTR03
Scan Number: 3290
Background Scans * 1.00 3284
Retention time: 28.18 min.
Date: 18-MAY-92 Time: 14:25:57

Forward Search

Rank 1 Spectrum 33011
C.A.S 191-26-4
Fit 0.503
C22H12 276 Dibenzo[def,mno]chrysene

Rank 2 Spectrum 33012
C.A.S 193-39-5
Fit 0.370
C22H12 276 Indeno[1,2,3-cd]pyrene

Rank 3 Spectrum 33010
C.A.S 191-24-2
Fit 0.339
C22H12 276 Benzo[ghi]perylene

Rank 4 Spectrum 42953
C.A.S 54446-63-8
Fit 0.266
C17H24FeN2O3 360 Iron, tricarbonyl[N,N'-1,2-ethanediylidenebis[cyclohexanamine]-N,N']-, (TB-5-12)-

Rank 5 Spectrum 41364
C.A.S -0
Fit 0.243
C22H33NO2 343 LEVO-5.BETA.-DIHYDRONORGESTREL-METHYLOXIME

Rank 6 Spectrum 33089
C.A.S 30223-73-5
Fit 0.205
C20H23N 277 Pyrrolidine, 1,5-dimethyl-3,3-diphenyl-2-ethylidene-

Rank 7 Spectrum 32995
C.A.S 32589-51-8
Fit 0.187
C19H20N2 276 Cyclopropanecarbonitrile, 2-[p-(dimethylamino)phenyl]-1-p-tolyl-

Rank 8 Spectrum 37046
C.A.S 21205-45-8
Fit 0.160
C20H24BNO 305 Boron, (2-benzimidoylpropiophenonato)diethyl-

Rank 9 Spectrum 35137
C.A.S 86-14-6
Fit 0.160
C16H21NS2 291 Thiambutene

Rank 10 Spectrum 32914
C.A.S 18646-71-4

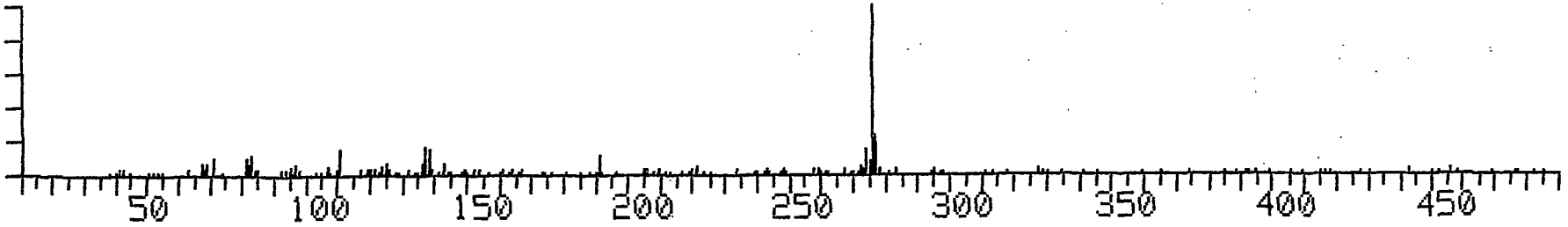
NISTEPA Forward Library Search
Injection Date: 18-MAY-92 Time: 14:25:57
Filename: SY0:EQK08RE
Comments:
EQK08 EXTR03

TIC = 23057
100% = 4718

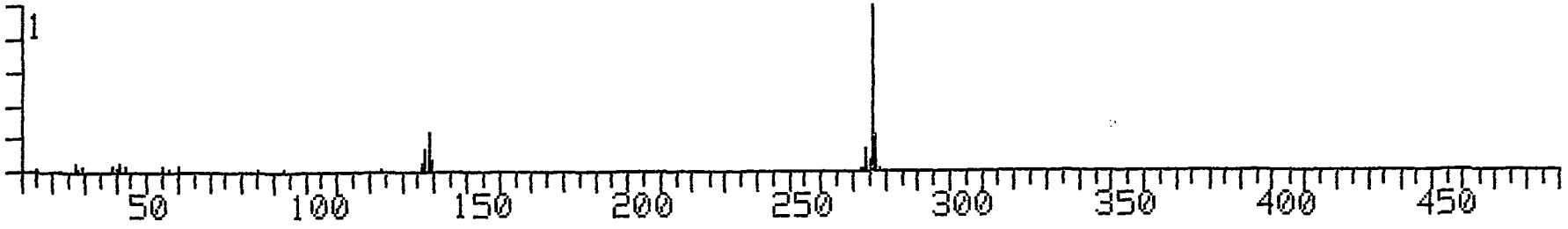
000480

UNKNOWN

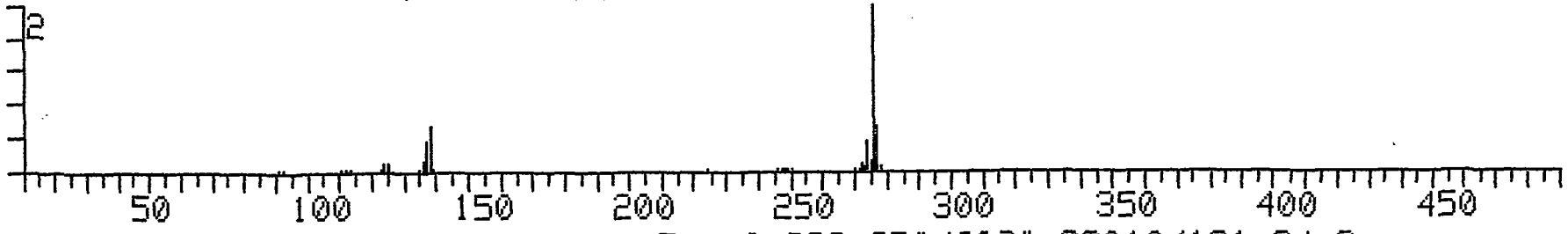
SCANS: 3290-3290 BKG * 1.00 3284



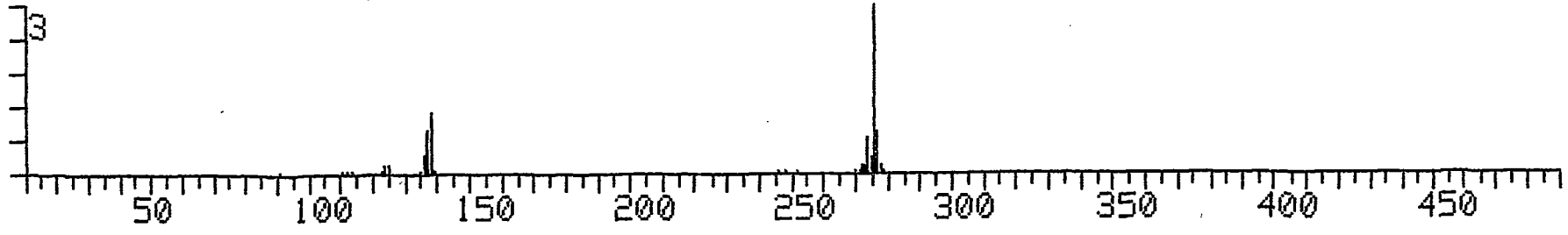
C22H12 276 Dibenzo[def,mno]chrysene Fit 0.503 SP#/CAS# 33011/191-26-4



C22H12 276 Indeno[1,2,3-cd]pyrene Fit 0.370 SP#/CAS# 33012/193-39-5



C22H12 276 Benzo[ghi]perylene Fit 0.339 SP#/CAS# 33010/191-24-2



Fit 0.151
C14H12O6 276 7H-Furo[3,2-g][1]benzopyran-7-one, 4,5,6-trimethoxy-

SY0:EQK09R EQK09 EXTR03

08-MAY-92 16:56:08

Total Ion Current

Quad 1 scanning mode

100%

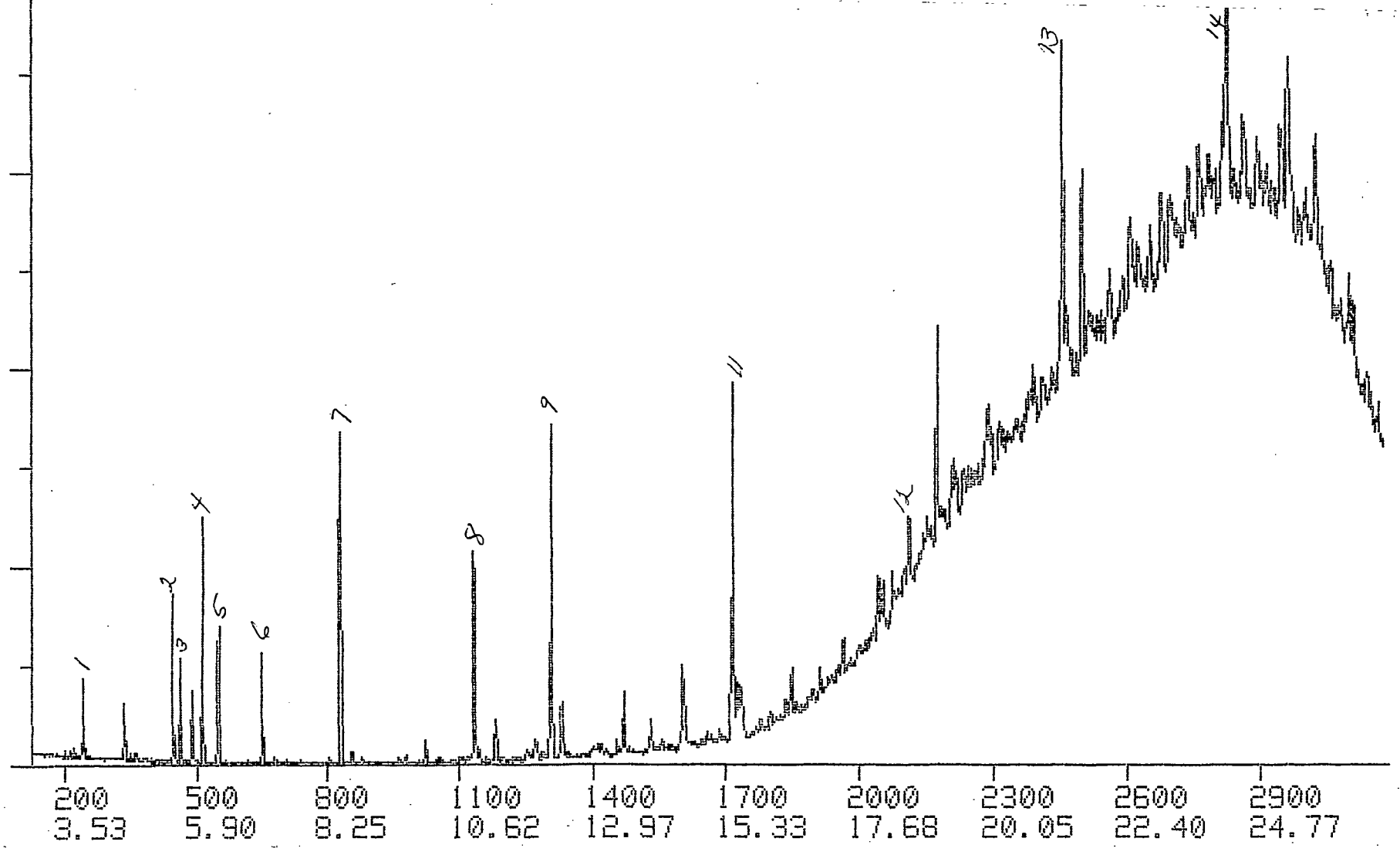
187783

Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12



000481

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS ok
EXTREL3 OP= JH	INITIAL AMT. = 30g	SURR REC.'S out
DUO:[301,4]	EXT VOL. = .5mL	DILUTION= 50/100

Library used: SYO:CLP90
Data file name: SYO:EQK09R
Injection time: 08-MAY-92 16:56:08
Comments:
EQK09 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.03	517					STD	0.96	40.0	NG
2S	8.52	833					STD	1.00	40.0	NG
3S	12.23	1307					STD	1.00	40.0	NG
4S	15.47	1717					STD	0.96	40.0	NG
5S	21.28	2457					STD	0.92	40.0	NG
6S	24.08	2812					STD	0.59	40.0	NG
1T	Was Not Found									
2T	Was Not Found									
3T	Was Not Found									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	Was Not Found									
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
19T	Was Not Found									
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found									
23T	Is Below Specified Detection Limit									
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	~~12.25~~	~~1308~~	~~165. / 164.~~	~~8972. /~~	~~67425.~~	~~3~~	~~0.50~~	~~27.4~~	~~NG~~	
32T	Was Not Found									
33T	Was Not Found									
34T	Was Not Found									
35T	Was Not Found									
36T	~~12.68~~	~~1364~~	~~168. / 164.~~	~~206. /~~	~~67425.~~	~~3~~	~~0.64~~	~~0.1~~	~~NG~~	
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	15.50	1722	178. / 188.	5901. /	130532.	4	0.92	2.2	NG	
48T	Is Below Specified Detection Limit									
49T	Was Not Found									
50T	17.00	1912	149. / 188.	14534. /	130532.	4	0.88	4.8	NG	

EXTREL 3

51T	18.10	2053	202. /	188.	12410. /	130532.	4	1.00	4.3	NG
52T	18.58	2113	202. /	240.	12396. /	124566.	5	1.00	3.4	NG
53T	Was Not Found									
54T	Was Not Found									
55T	21.~~48~~27	24~~83~~54	228. /	240.7783	~~621.~~ /	124566.	5	0.53	~~0.2~~	NG 2.3
56T	21.33	2463	228. /	240.	9791. /	124566.	5	0.90	~~3.4~~	~~NG~~
57T	21.63	2501	149. /	240.	49569. /	124566.	5	0.68	24.2	NG
58T	Was Not Found									
59T	23.47	2735	252. /	264.	17898. /	~~83.~~	6	0.92	7513.2	NG 4.4
60T	23.~~47~~50	27~~35~~42	252. /	264.5619	~~17898.~~ / 140611	~~83.~~	6	0.79	10089.2	NG 1.9
61T	23.~~78~~ 4.80	28~~00~~12	252. /	264.8975	~~10272.~~ /	~~83.~~	6	0.83	5207.5	NG 2.7
62T	Was Not Found	26.02	3058	8169 /					2.4	
63T	Was Not Found									
64T	Was Not Found	26.45	3113	8853 /					2.6	
65T	7.08	652	82. /	136.	24497. /	114144.	2	1.00	27.2	NG
66T	10.87	1133	172. /	164.	52358. /	67425.	3	1.00	30.0	NG
67T	19.08	2177	244. /	240.	70963. /	124566.	5	1.00	31.5	NG
68T	5.48	447	99. /	152.	37569. /	24860.	1	0.90	34.0	NG
69T	3.87	243	112. /	152.	12398. /	24860.	1	1.00	15.0	NG
70T	Was Not Found									
71T	5.62	465	132. /	152.	19376. /	24860.	1	0.92	27.1	NG
72T	6.30	551	152. /	152.	13643. /	24860.	1	0.89	25.9	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	6.03	517	152. /	152.	24860. /	24860.	1	0.96	50.0	NG
82T	8.52	833	136. /	136.	114144. /	114144.	2	1.00	50.0	NG
83T	12.23	1307	164. /	164.	67425. /	67425.	3	0.90	50.0	NG
84T	15.47	1717	188. /	188.	130532. /	130532.	4	0.96	50.0	NG
85T	21.28	2457	240. /	240.	~~125117.~~ /	124566.	5	0.92	50.2	NG
86T	24.20	2828	264. /	264.	140611. /	~~83.~~	6	1.00	84705.4	NG

Crossouts
5/14/92
JY

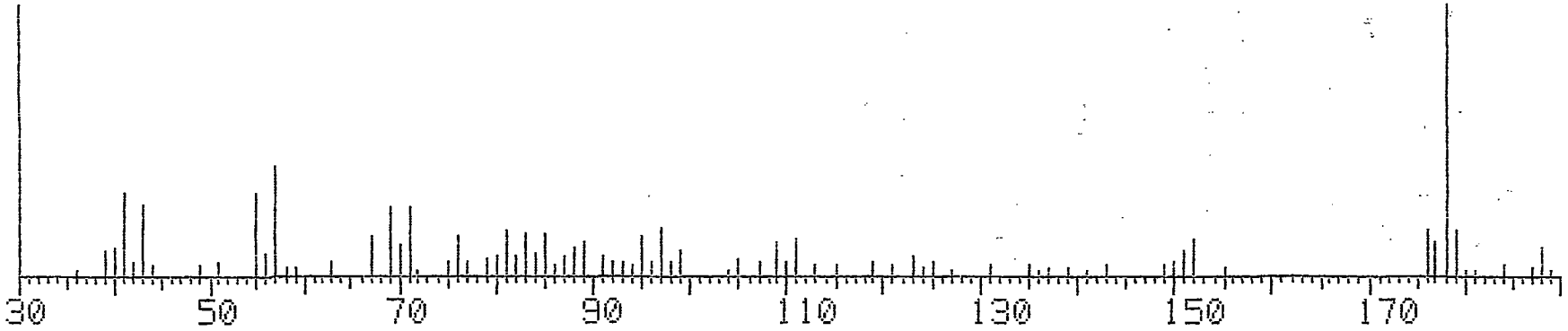
Extended Quantitation Report

EXTREL 3

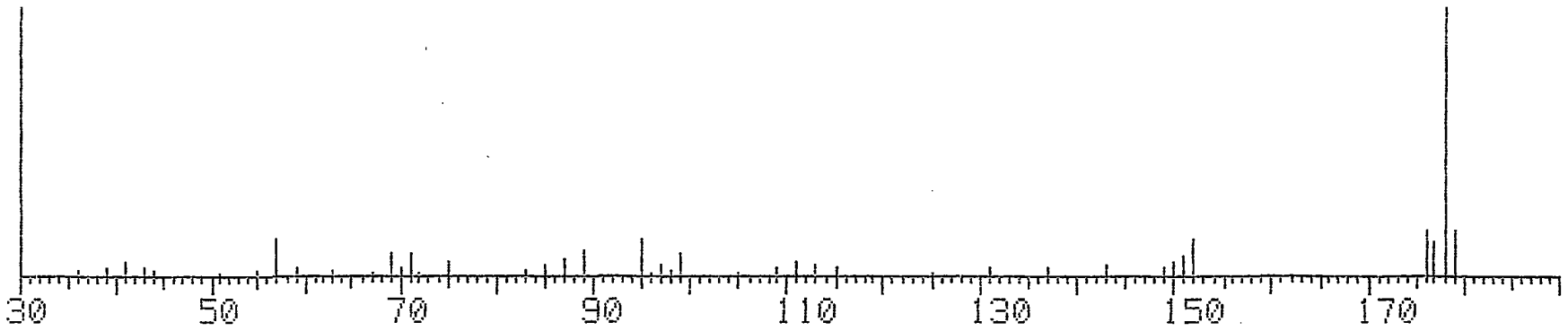
Library used: SYO:CLP90
Data file name: SYO:EQK09R
Injection time: 08-MAY-92 16:56:08

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
31T	1.002	165. / 164.	0.194	27.4	IA BB RF			1.00
36T	1.037	168. / 164.	1.388	0.1	IA BB RF			1.00
47T	1.002	178. / 188.	0.838	2.2	IA BV RF			1.00
50T	1.099	149. / 188.	0.923	4.8	IA VB RF			1.00
51T	1.170	202. / 188.	0.882	4.3	IA VV RF			1.00
52T	0.873	202. / 240.	1.177	3.4	IA VV RF			1.00
55T	1.009	228. / 240.	1.077	0.2	IA VB RF			1.00
56T	1.002	228. / 240.	0.923	3.4	IA VV RF			1.00
57T	1.016	149. / 240.	0.656	24.2	IA VV RF			1.00
59T	0.975	252. / 264.	1.148	7513.2	IA VV RF			1.00
60T	0.975	252. / 264.	0.855	10089.2	IA VV RF			1.00
61T	0.996	252. / 264.	0.951	5207.5	IA VV RF			1.00
65T	0.831	82. / 136.	0.315	27.2	IA BB RF			1.00
66T	0.889	172. / 164.	1.035	30.0	IA BB RF			1.00
67T	0.897	244. / 240.	0.723	31.5	IA BV RF			1.00
68T	0.909	99. / 152.	1.776	34.0	IA BB RF			1.00
69T	0.642	112. / 152.	1.328	15.0	IA BB RF			1.00
71T	0.932	132. / 152.	1.149	27.1	IA BB RF			1.00
72T	1.045	152. / 152.	0.846	25.9	IA VB RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA BV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.2	IA BV RF			1.00
86T	1.005	264. / 264.	0.800	84705.4	IA VV RF			1.00

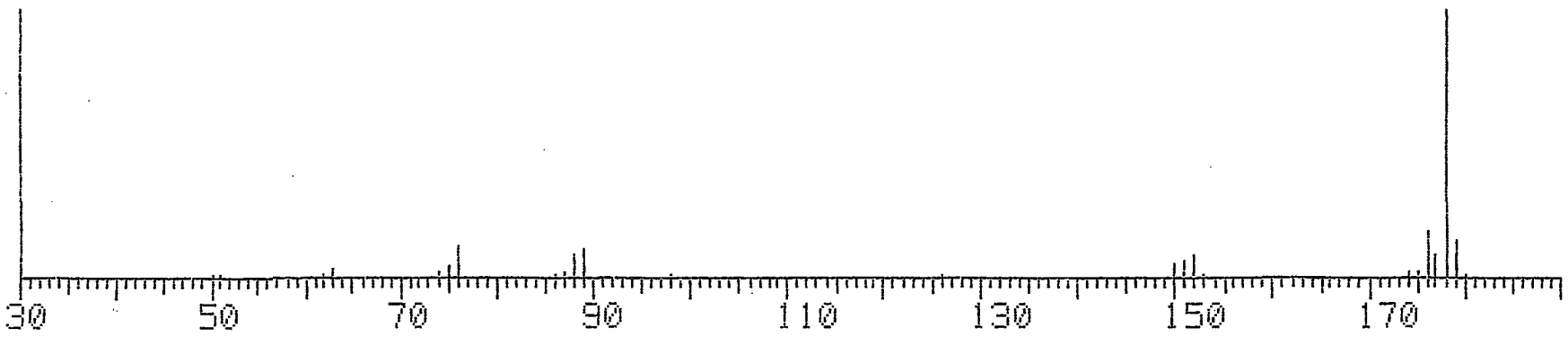
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 1722 Time 15.50 min. 10052
100 % = 1312



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 1722 Time 15.50 min. 4198
Bkg scan = 1715 100 % = 1312

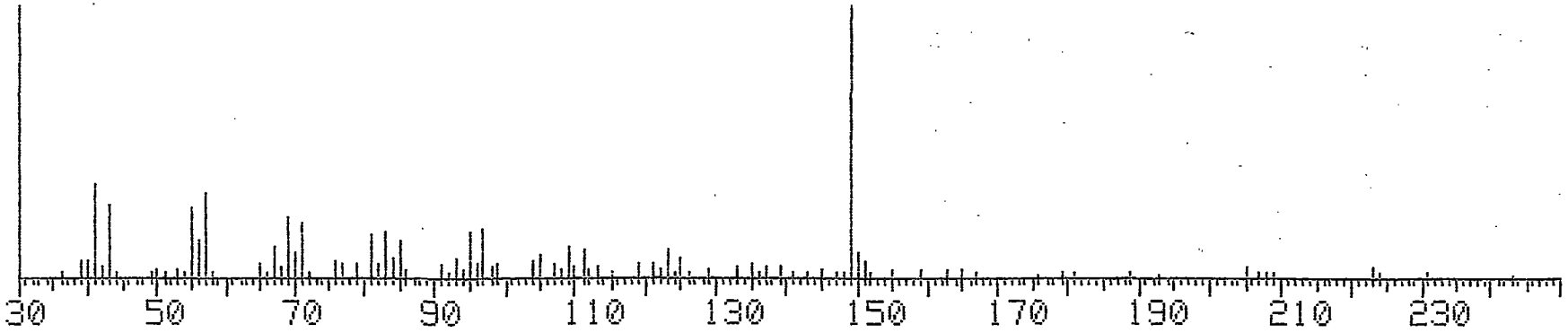


Standard Reference Spectrum: Phenanthrene

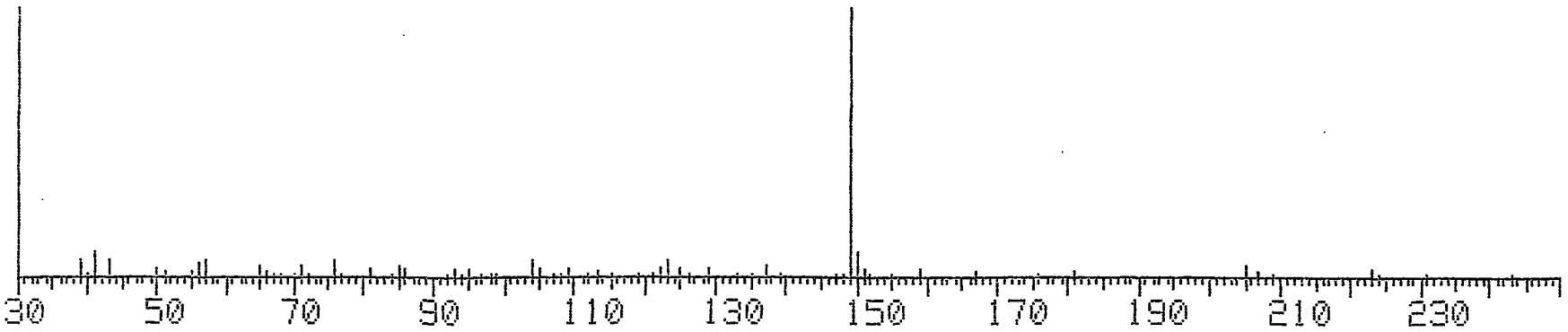


000490

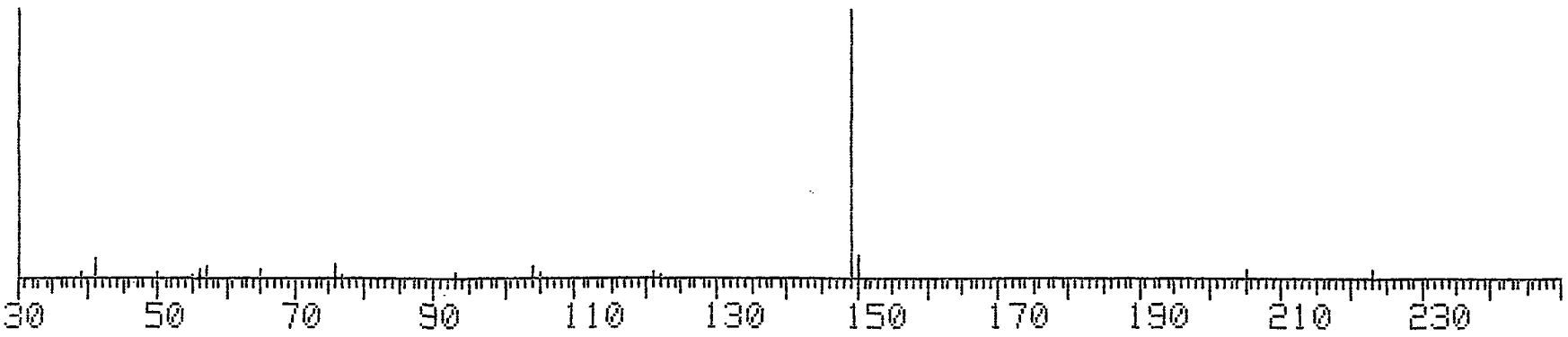
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 1912 Time 17.00 min. 17959
100 % = 2729



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 1912 Time 17.00 min. 7259
Bkg scan = 1885 100 % = 2729

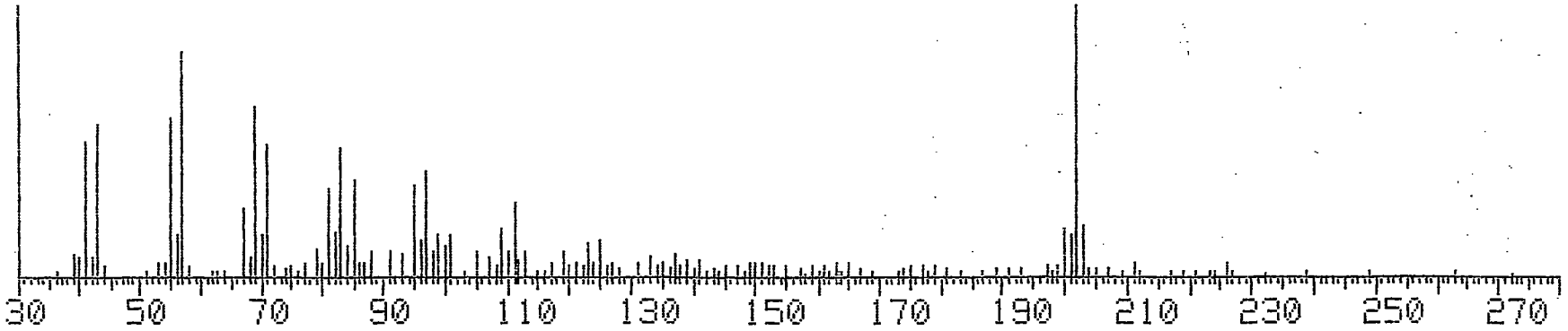


Standard Reference Spectrum: Di-n-butylphthalate

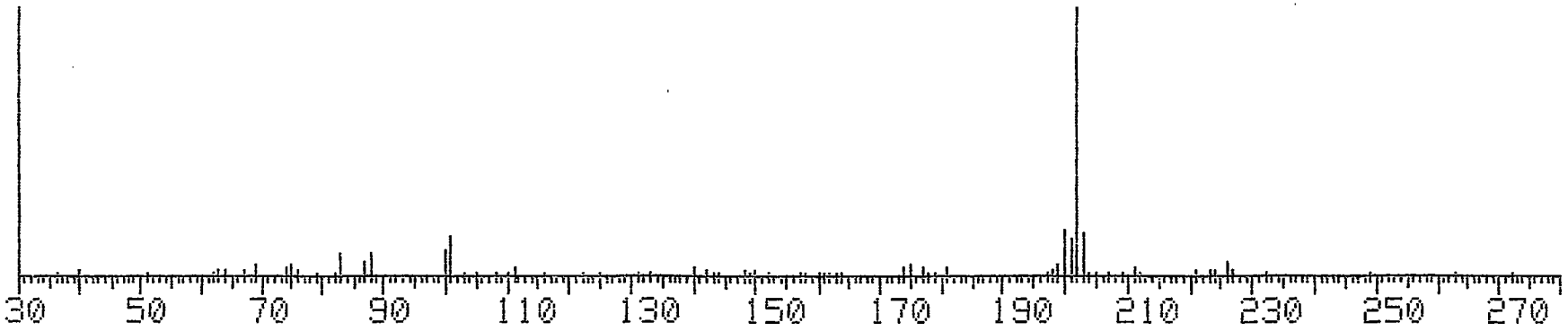


000491

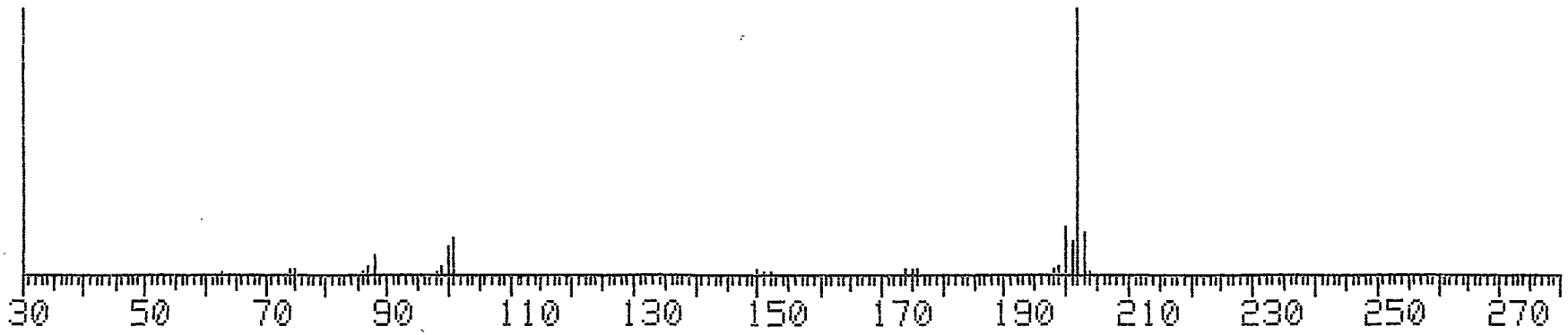
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2053 Time 18.10 min. 34680
100 % = 2549



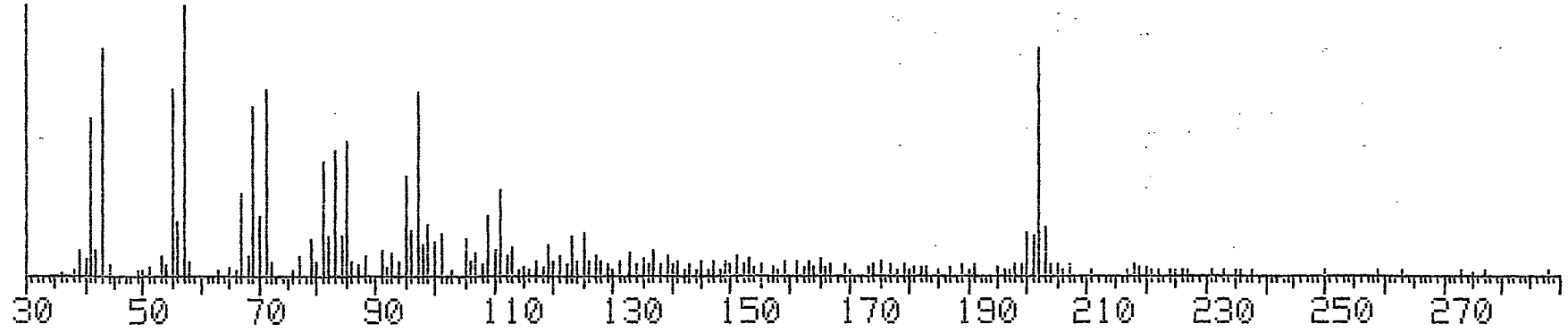
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2053 Time 18.10 min. 7688
Bkg scan = 2044 100 % = 2549



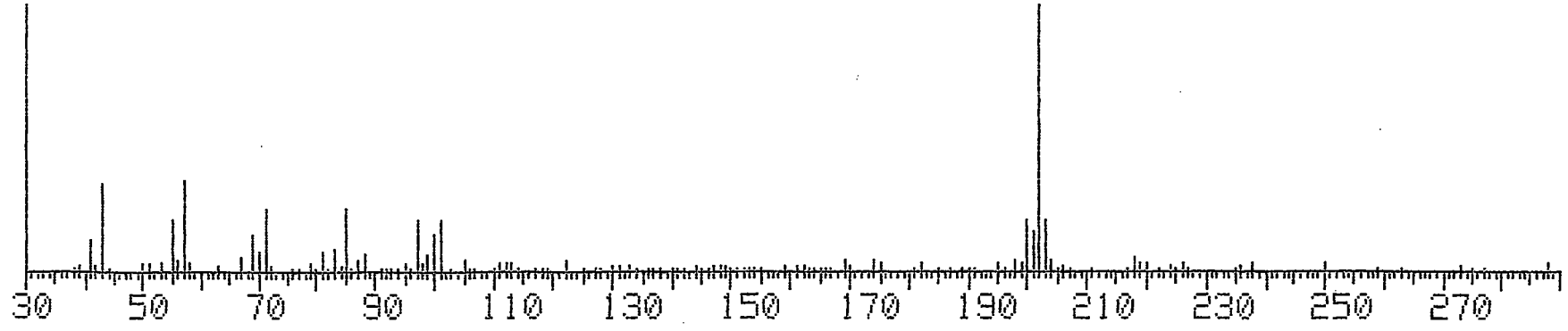
Standard Reference Spectrum: Fluoranthene



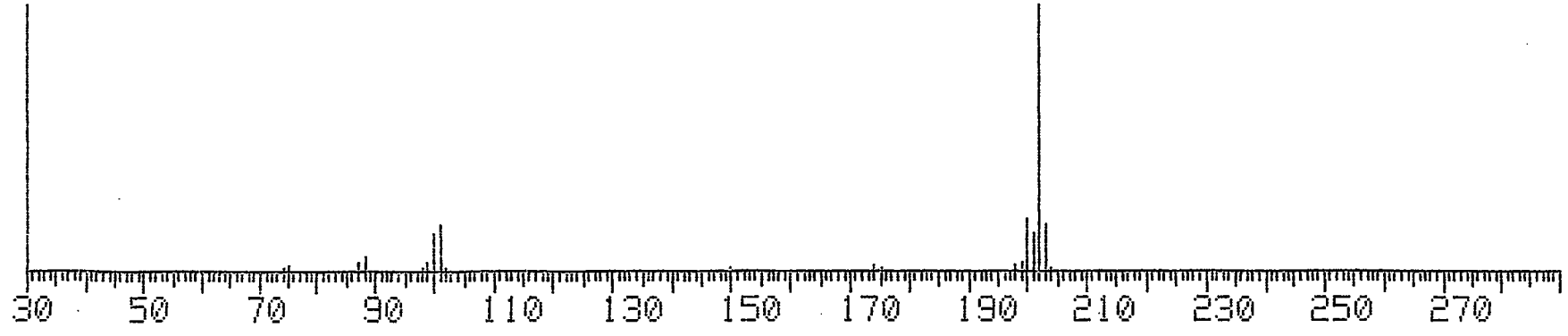
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2113 Time 18.58 min. 46805
100 % = 2438



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2113 Time 18.58 min. 14706
Bkg scan = 2096 100 % = 2438

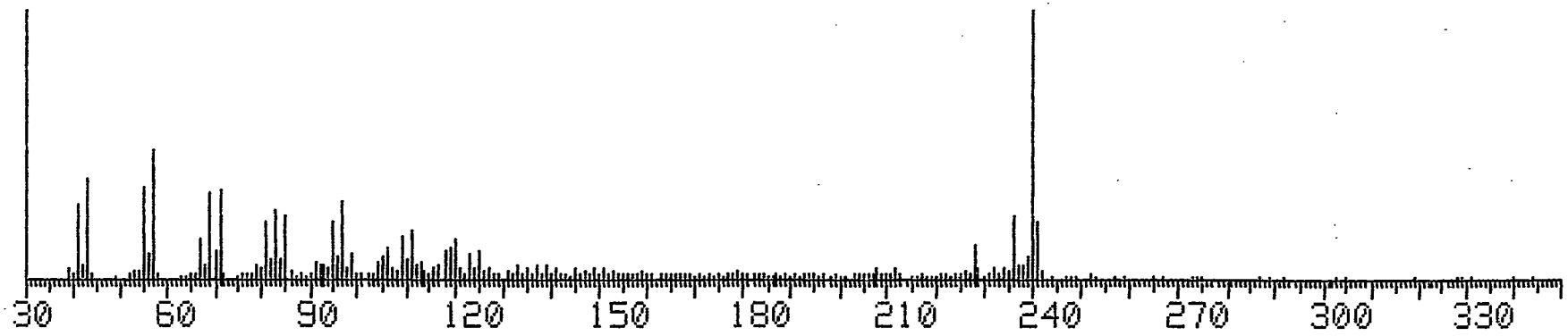


Standard Reference Spectrum: Pyrene

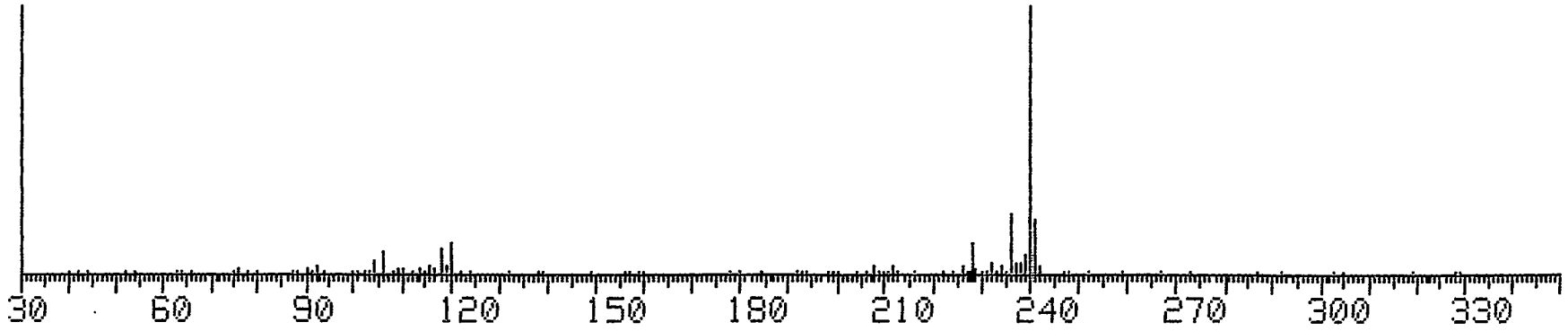


000493

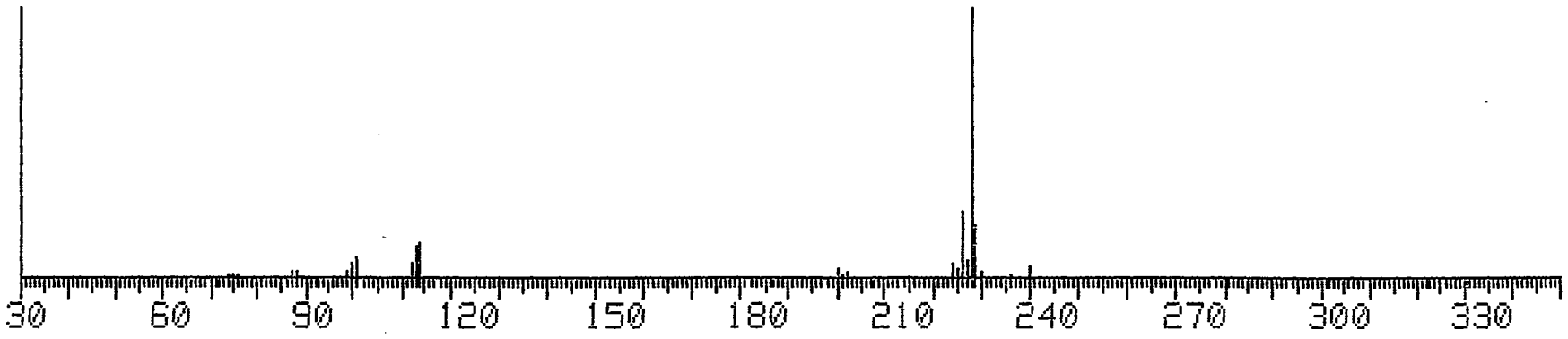
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2454 Time 21.27 min. 102483
100 % = 10002



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2454 Time 21.27 min. 30164
Bkg scan = 2470 100 % = 10002

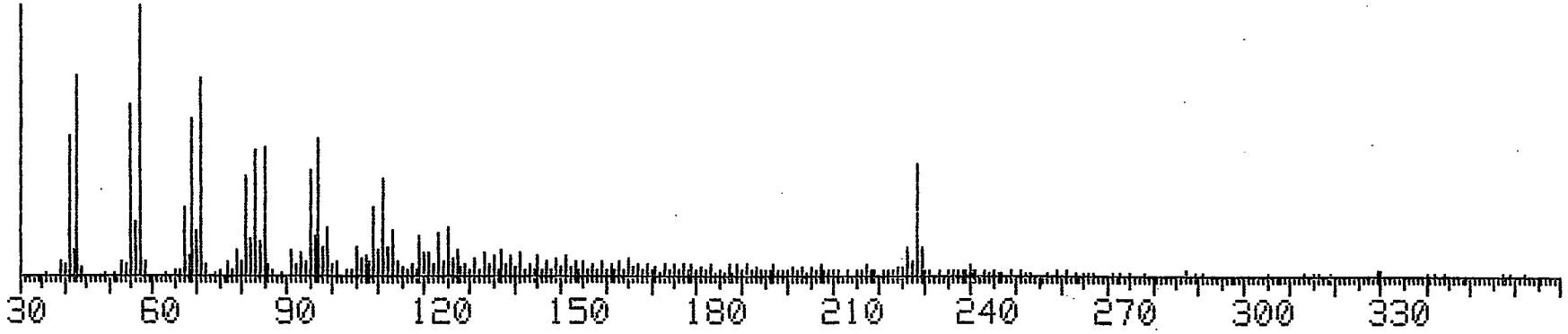


Standard Reference Spectrum: Benzo(a)anthracene

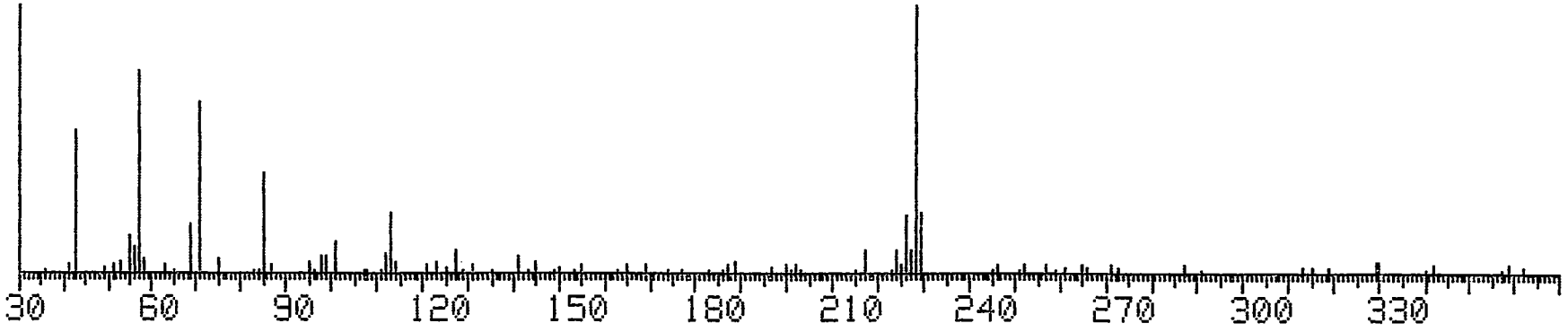


000494

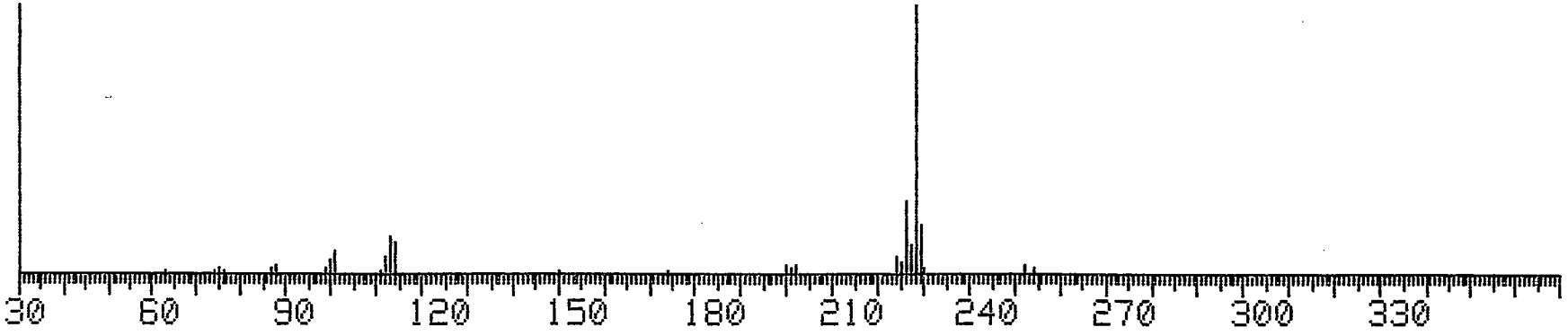
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2463 Time 21.33 min. 84449
100 % = 1701



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2463 Time 21.33 min. 11412
BK_9 scan = 2458 100 % = 1701

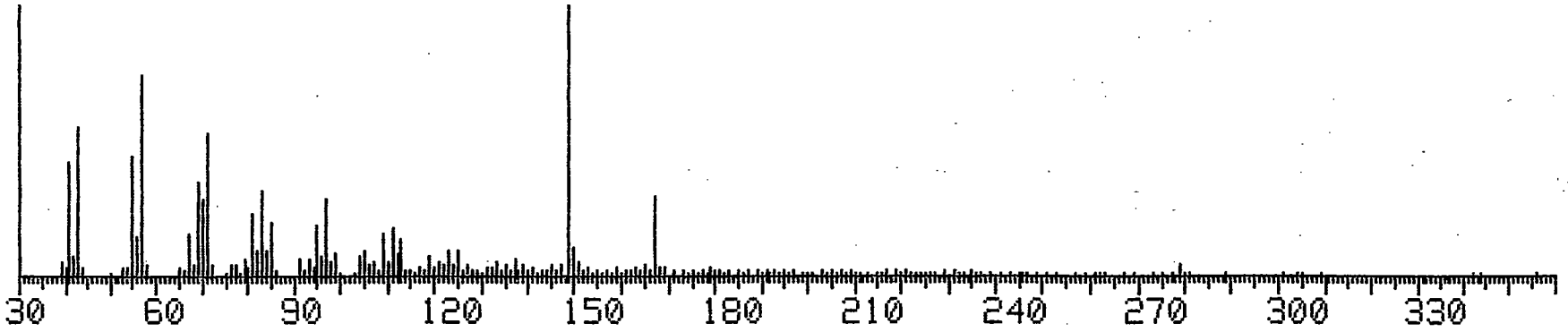


Standard Reference Spectrum: Chrysene

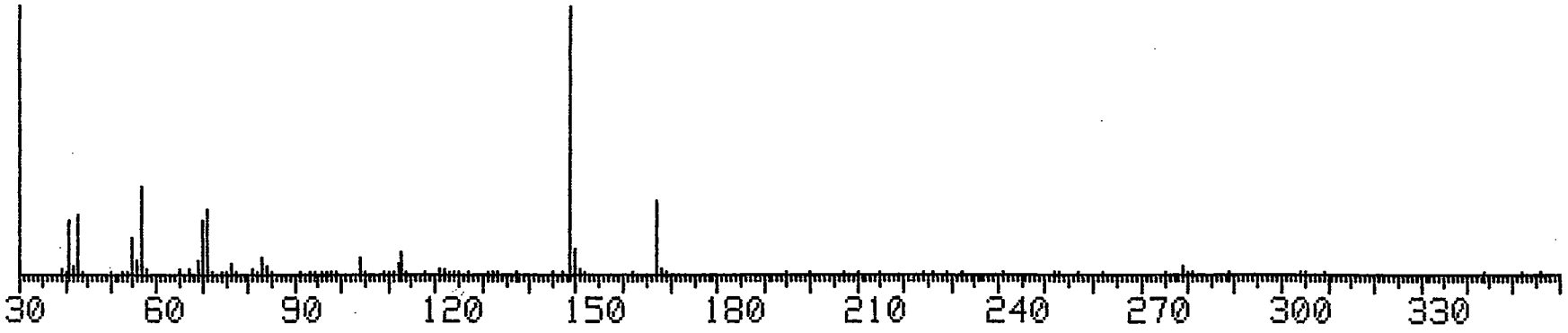


000495

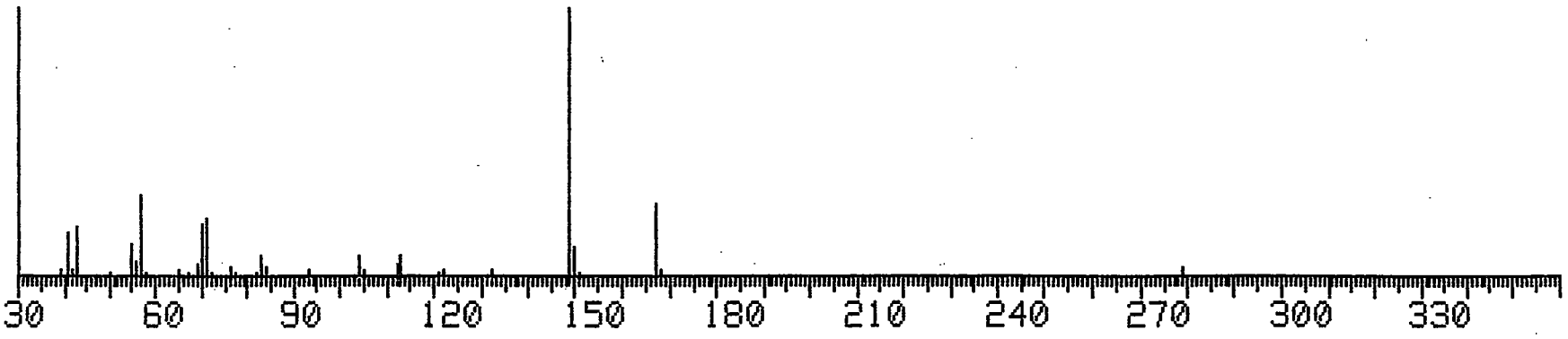
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2501 Time 21.63 min. 112835
100 % = 10473



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2501 Time 21.63 min. 41559
Bkg scan = 2486 100 % = 10473

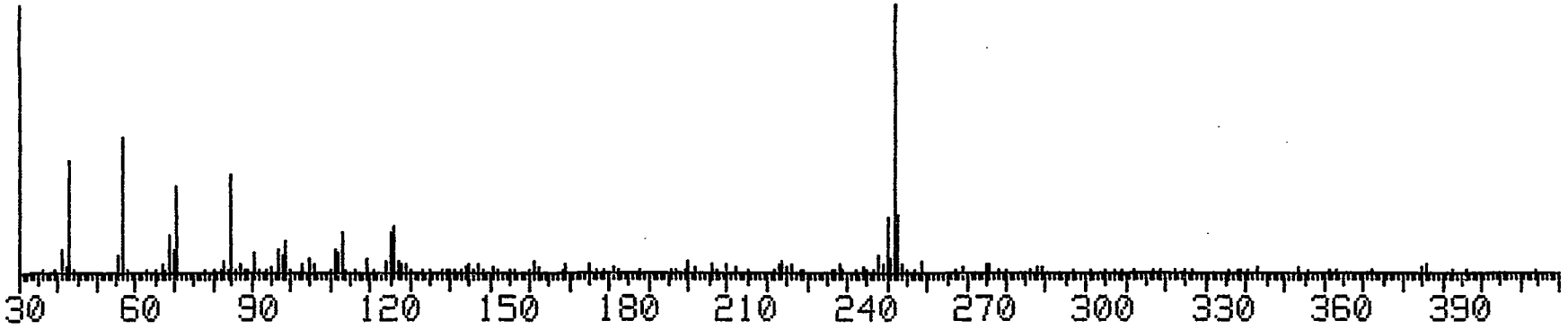


Standard Reference Spectrum: bis(2-Ethylhexyl)phthalate

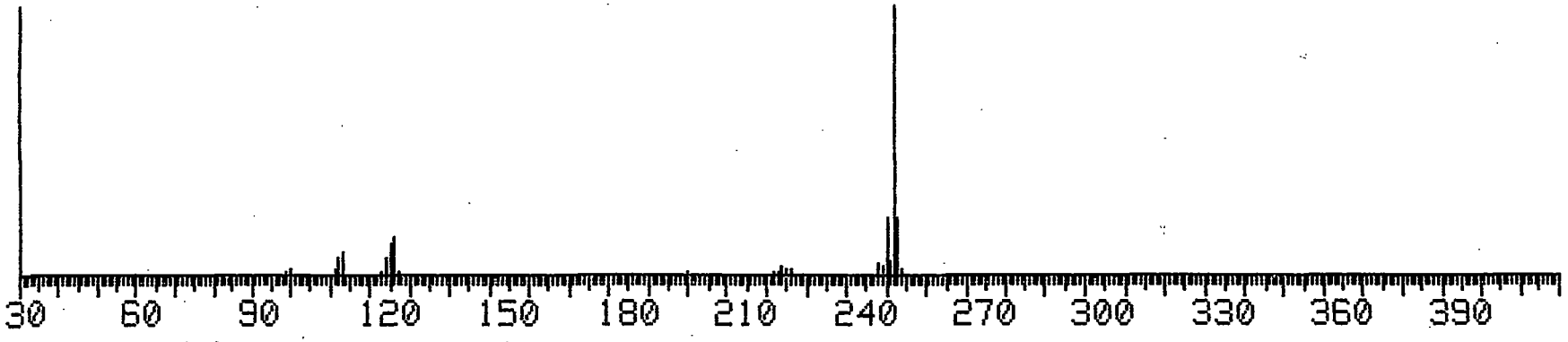


SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2735 Time 23.47 min. 113454
100 % = 2986

SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2735 Time 23.47 min. 19667
Bkg scan = 2720 100 % = 2986



Standard Reference Spectrum: Benzo(b)Fluoranthene

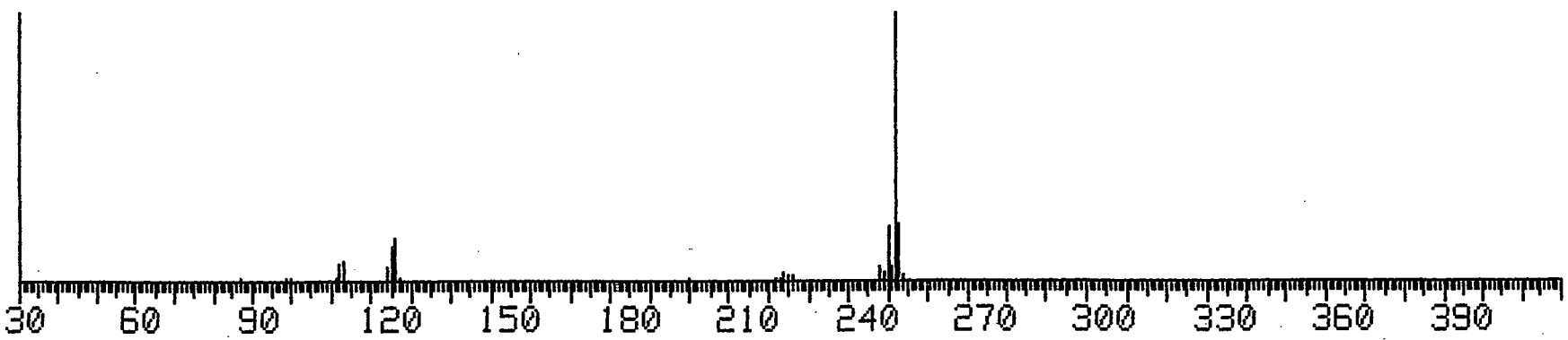


000497

SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2742 Time 23.52 min. 101607
100 % = 1450

SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2742 Time 23.52 min. 9479
Bkg scan = 2720 100 % = 1450

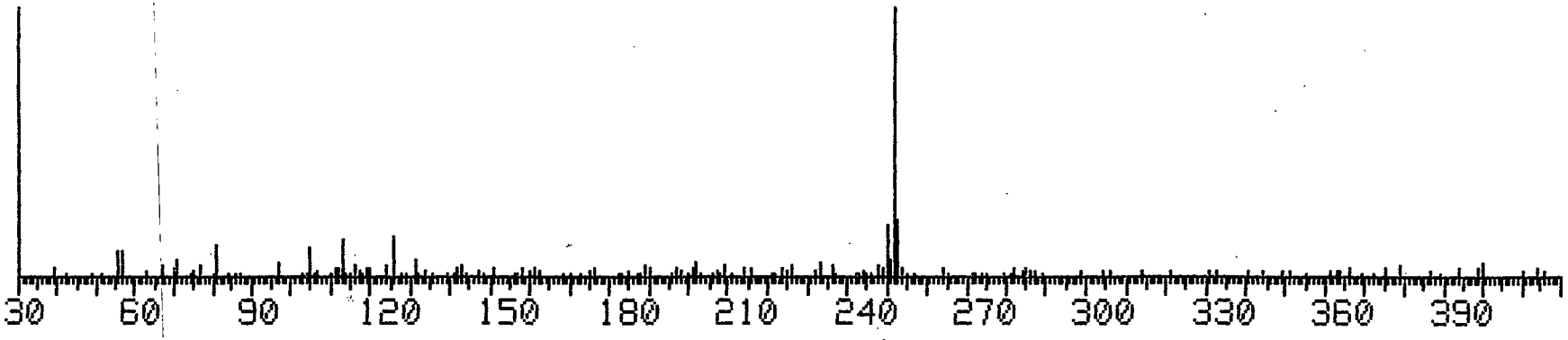
Standard Reference Spectrum: Benzo(K)fluoranthene



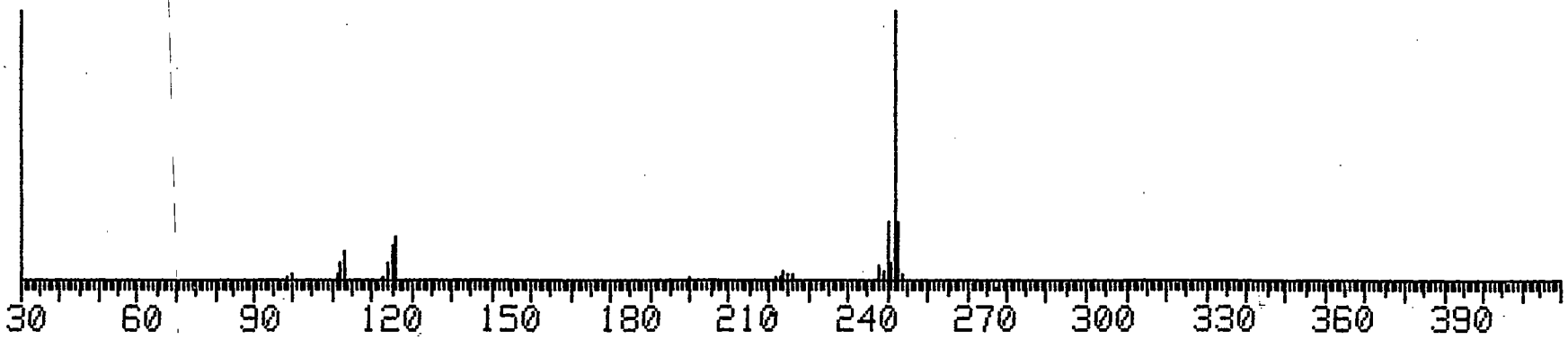
000498

SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2812 Time 24.08 min. 113722
100 % = 2034

SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 2812 Time 24.08 min. 10250
Bkg scan = 2783 100 % = 2034

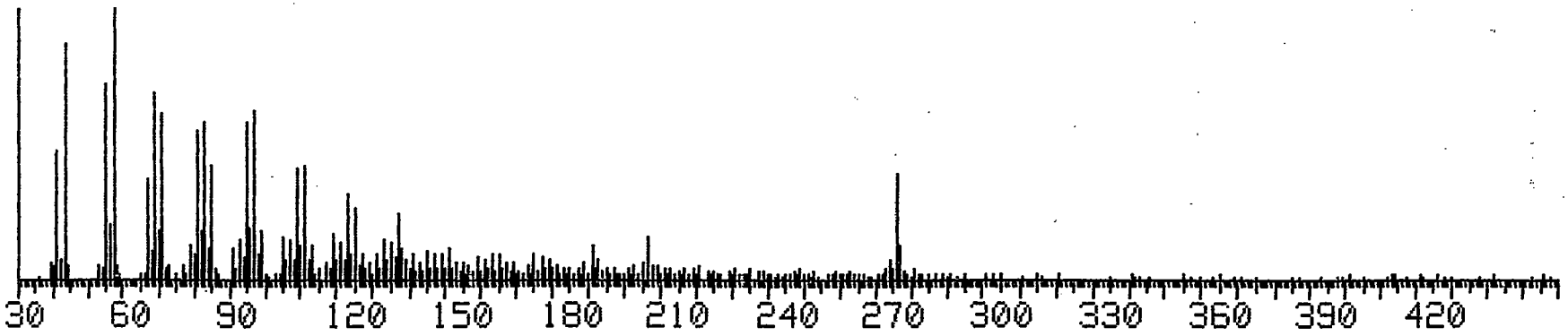


Standard Reference Spectrum: Benzo(a)pyrene

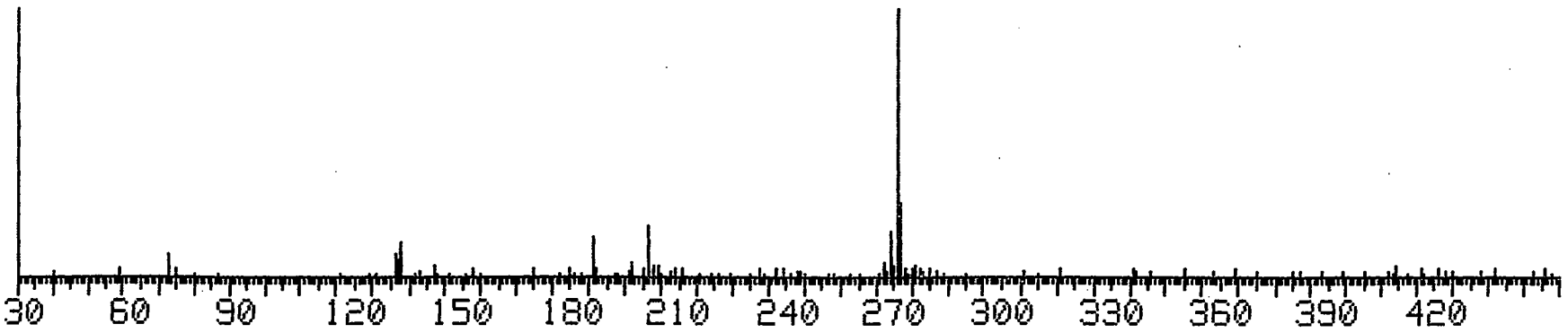


000499

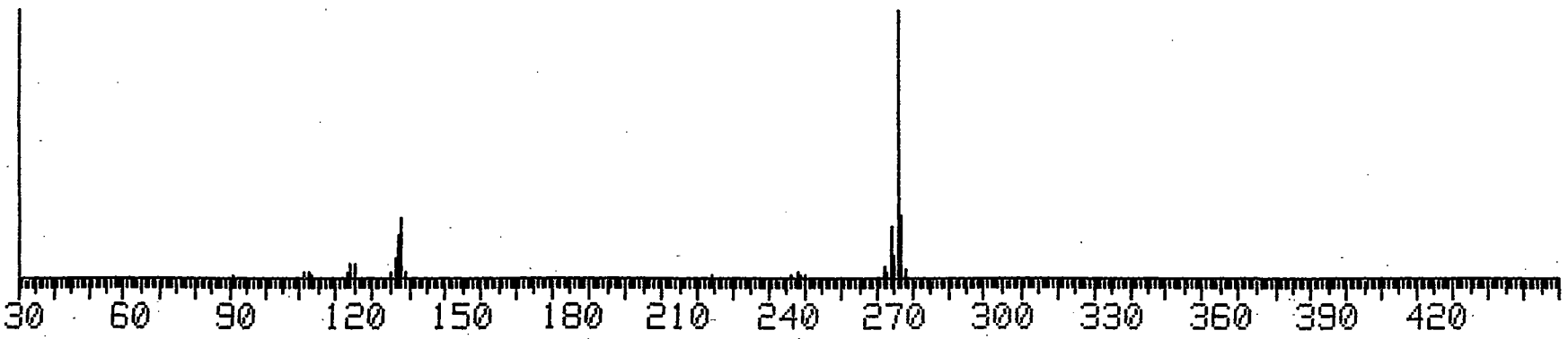
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 3058 Time 26.02 min. 93792
100 % = 1840



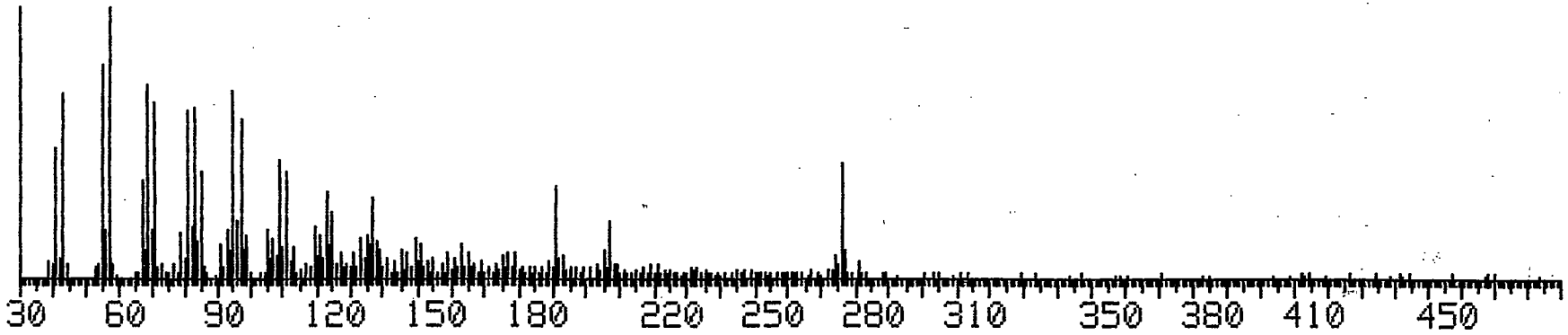
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 3058 Time 26.02 min. 7360
Bkg scan = 2783 100 % = 1840



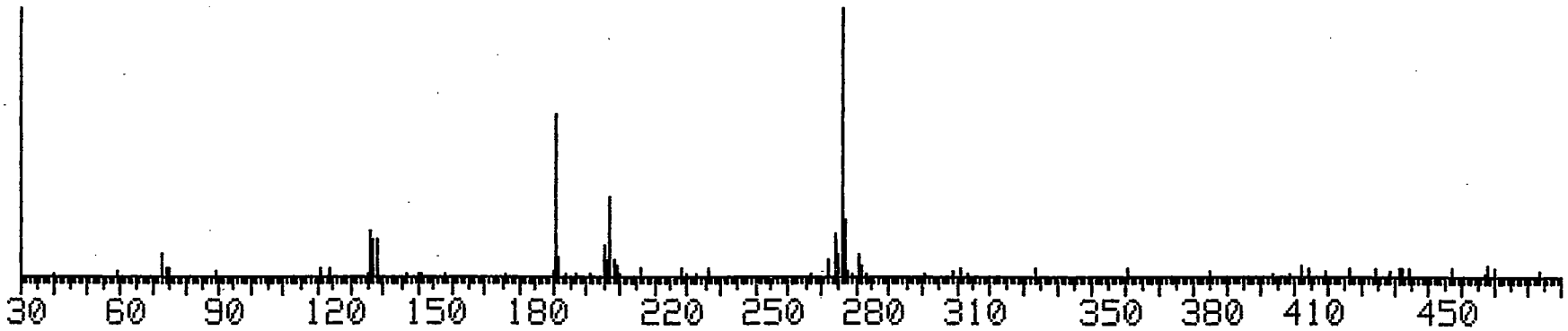
Standard Reference Spectrum: Indeno(1,2,3-cd)pyrene



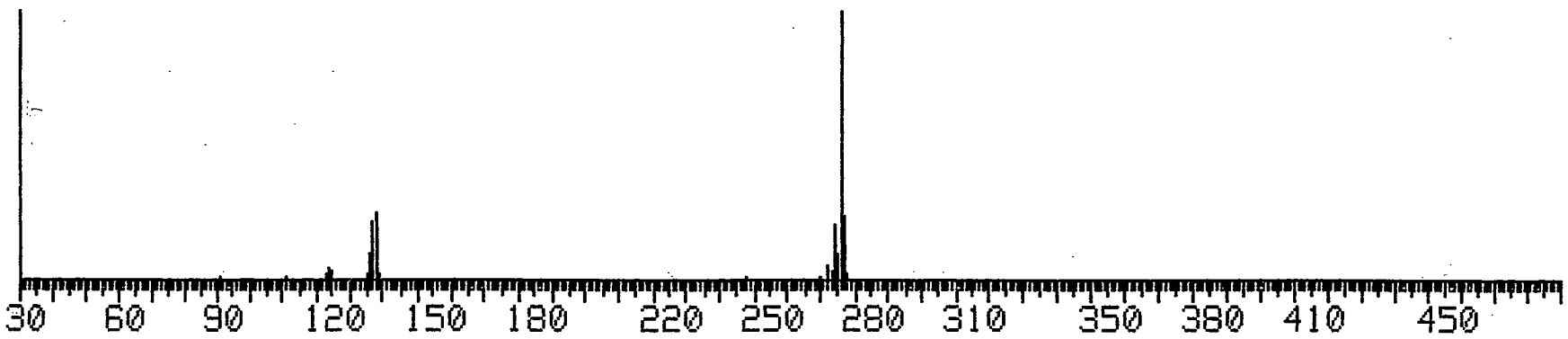
SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 3113 Time 26.45 min. 86173
100 % = 1760



SY0:EQK09R EQK09 EXTR03 Total
08-MAY-92 16:56:08 Scan 3113 Time 26.45 min. 7731
Bkg scan = 2783 100 % = 1760



Standard Reference Spectrum: Benzo(g,h,i)perylene



000501

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK09R
Injection date: 08-MAY-92 16:56:08

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	1469 1	13.52	BB	-9	17 54612	~~87147.~~	1.30	~~12.33~~ 6.3	3
2 ✓	1602 2	14.57	BB	-14	18	129364.	1.93	15.24	4
3 ✓	1728 3	15.55	VV	-7	3	71164.	1.06	8.38	4
4	~~1825~~	~~16.40~~	~~BV~~	~~-6~~	~~5~~	~~97222.~~	~~1.45~~	~~11.45~~	~~4~~
5	1849 5	16.50	VV	-9	15 44898	~~158157.~~	2.36	~~18.63~~ 5.3	4
6 ✓	2043 6	18.03	BV	-6	5	62038.	0.93	7.31	4
7	~~2143~~	~~18.82~~	~~BB~~	~~-4~~	~~17~~	~~444736.~~	~~6.63~~	~~62.37~~	~~5~~
8	2212 7	19.35	BV	-7	32 75543	~~108001.~~	1.61	~~15.15~~ 10.6	5
9	~~2282~~	~~19.90~~	~~BB~~	~~-4~~	~~40~~	~~162243.~~	~~2.42~~	~~22.75~~	~~5~~
10	~~2537~~	~~21.92~~	~~BV~~	~~-3~~	~~24~~	~~61505.~~	~~0.92~~	~~8.63~~	~~5~~
11	2562 9	22.12	VV	-1	42 106320	~~55733.~~	0.83	~~7.82~~ 14.9	5
12 ✓	2609 10	22.48	VV	-5	14	84244.	1.26 9.4	~~11.81~~ ~~10.4~~	5
13 ✓	2652 11	22.82	BB	-8	9	93264.	1.39	~~13.08~~ 10.4	5 6
14 ✓	2678 12	23.02	BB	-13	26	143981.	2.15	~~20.19~~ 16.1	5
15 ✓	2764 13	23.70	BB	-12	8	163059.	2.43	~~22.87~~ 18.3	5
16 ✓	2815 14	24.10	BV	-7	3	76354.	1.14	~~10.71~~ 8.6	5
17 ✓	2863 15	24.48	BB	-9	13	152128.	2.27	~~21.33~~ 17.0	5
18 ✓	2945 16	25.12	VV	-5	11	130485.	1.95	~~18.30~~ 14.6	5
19 ✓	2963 17	25.27	VB	-7	11	186634.	2.78	~~26.17~~ 20.9	5
20	~~3033~~	~~25.58~~	~~BB~~	~~-9~~	~~8~~	~~63515.~~	~~0.95~~	~~8.91~~	~~5~~
21 ✓	3026 18	25.75	BB	-9	7	125911.	1.88	~~17.66~~ 14.1	5
22	~~3068~~	~~26.03~~	~~BB~~	~~-6~~	~~10~~	~~67343.~~	~~1.00~~	~~9.44~~	~~5~~

TIC areas for associated internal standards:

Std.	Area	Conc.					
		4	1736	15.62	62544	7.4	4
			~~2074~~	~~18.27~~	~~36096~~	~~4.3~~	~~4~~
~~1717~~ 3 1307	~~344542~~ ~~282707.~~	40.					
~~2457~~ 4 1717 ✓	339513.	40. 8	2292	19.98	110050	15.4	5
~~28286~~ 5 2457 ✓	285221.	40. 19	3104	26.37	58487	6.6	6
28286	356981	20	3114	26.45	46073	5.2	6

TH 6/3/92

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 1469
Background Scans * 1.00 1460
Retention time: 13.52 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.594
C10H22 142 Decane

Rank 2 Spectrum 7003
C.A.S 17301-94-9
Fit 0.531
C10H22 142 Nonane, 4-methyl-

Rank 3 Spectrum 4500
C.A.S 16747-33-4
Fit 0.503
C9H20 128 Pentane, 3-ethyl-2,3-dimethyl-

Rank 4 Spectrum 6998
C.A.S 871-83-0
Fit 0.494
C10H22 142 Nonane, 2-methyl-

Rank 5 Spectrum 4821
C.A.S 104-76-7
Fit 0.488
C8H18O 130 1-Hexanol, 2-ethyl-

Rank 6 Spectrum 7010
C.A.S 13475-81-5
Fit 0.483
C10H22 142 Hexane, 2,2,3,3-tetramethyl-

Rank 7 Spectrum 6982
C.A.S 5911-04-6
Fit 0.481
C10H22 142 Nonane, 3-methyl-

Rank 8 Spectrum 4521
C.A.S 3074-75-7
Fit 0.460
C9H20 128 Hexane, 4-ethyl-2-methyl-

Rank 9 Spectrum 9445
C.A.S 5877-42-9
Fit 0.458
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 10 Spectrum 7000
C.A.S 15869-86-0
Fit 0.458
C10H22 142 Octane, 4-ethyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:56:08

Filename: SY0:EQK09R

Comments:

EQK09 EXTR03

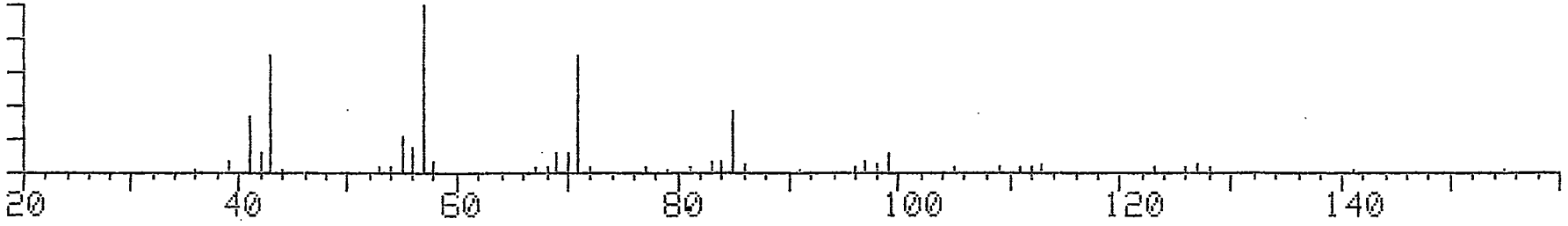
TIC = 11783

100% = 2458

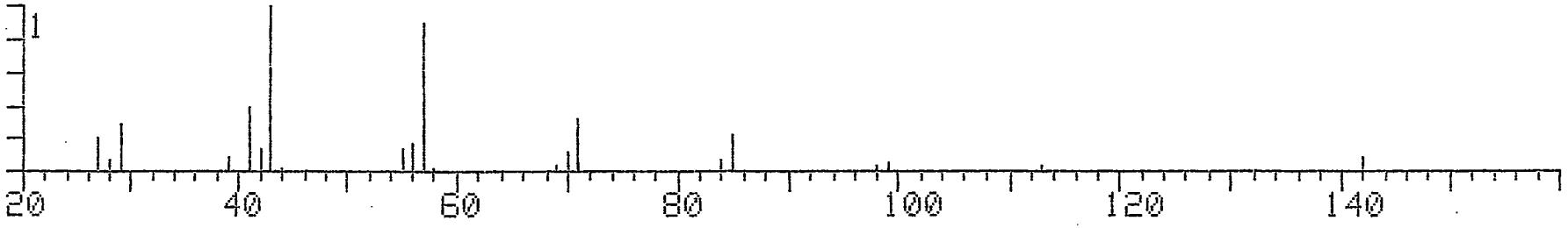
UNKNOWN HYDROCARBON

000504

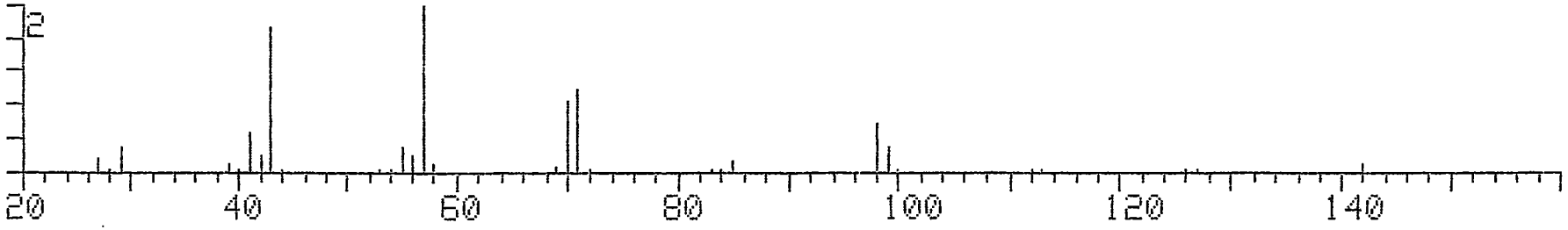
SCANS: 1469-1469 BKG * 1.00 1460



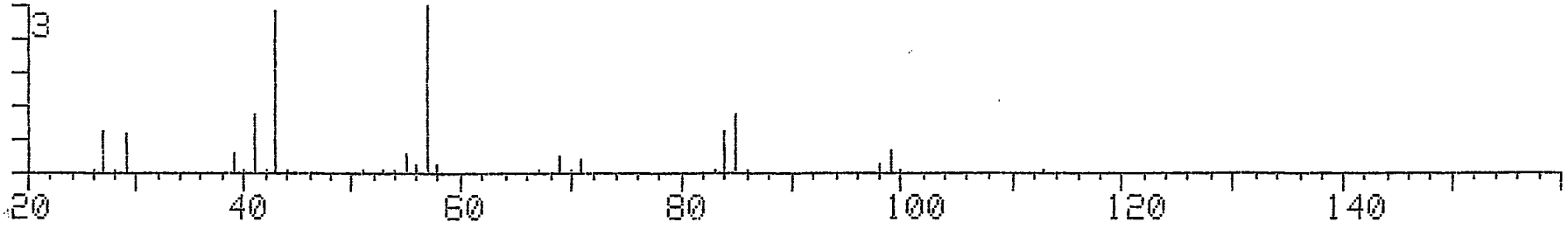
C10H22 142 Decane Fit 0.594 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 4-methyl- Fit 0.531 SP#/CAS# 7003/17301-94-9



C9H20 128 Pentane, 3-ethyl-2,3-dime Fit 0.503 SP#/CAS# 4500/16747-33-4



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 1602
Background Scans * 1.00 1588
Retention time: 14.57 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.535
C10H22 142 Decane

Rank 2 Spectrum 7003
C.A.S 17301-94-9
Fit 0.472
C10H22 142 Nonane, 4-methyl-

Rank 3 Spectrum 6982
C.A.S 5911-04-6
Fit 0.469
C10H22 142 Nonane, 3-methyl-

Rank 4 Spectrum 7010
C.A.S 13475-81-5
Fit 0.465
C10H22 142 Hexane, 2,2,3,3-tetramethyl-

Rank 5 Spectrum 7388
C.A.S 54004-41-0
Fit 0.463
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 6 Spectrum 4500
C.A.S 16747-33-4
Fit 0.456
C9H20 128 Pentane, 3-ethyl-2,3-dimethyl-

Rank 7 Spectrum 6989
C.A.S 5881-17-4
Fit 0.448
C10H22 142 Octane, 3-ethyl-

Rank 8 Spectrum 6998
C.A.S 871-83-0
Fit 0.440
C10H22 142 Nonane, 2-methyl-

Rank 9 Spectrum 6997
C.A.S 52896-90-9
Fit 0.437
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 10 Spectrum 7004
C.A.S 13475-78-0
Fit 0.434
C10H22 142 Heptane, 5-ethyl-2-methyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:56:08

Filename: SY0:EQK09R

Comments:

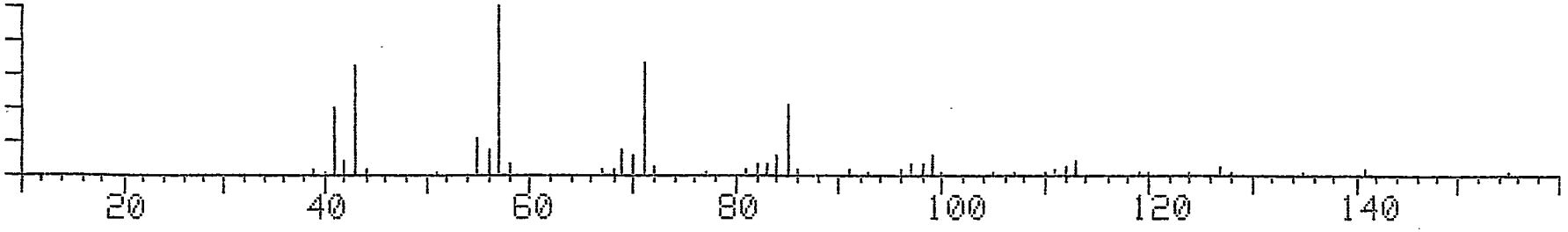
EQK09 EXTR03

TIC = 16168

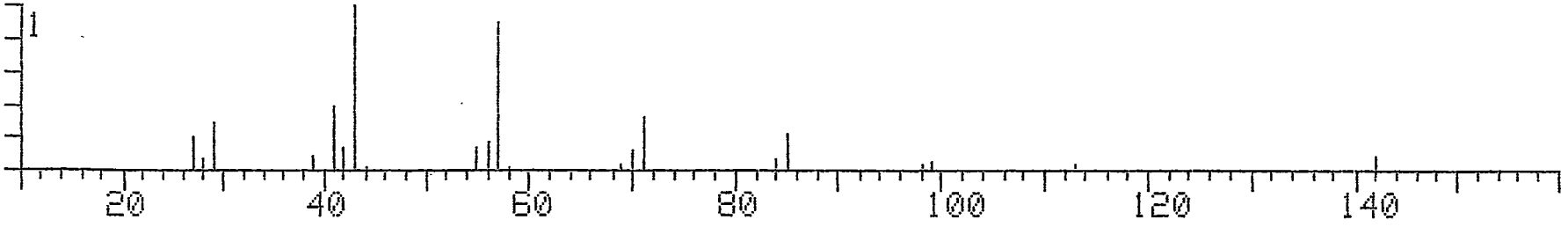
100% = 3254

UNKNOWN HYDROCARBON

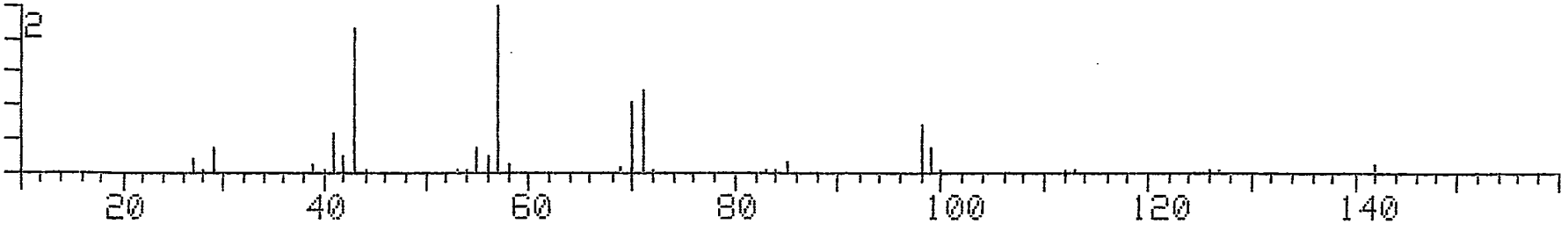
SCANS: 1602-1602 BKG * 1.00 1588



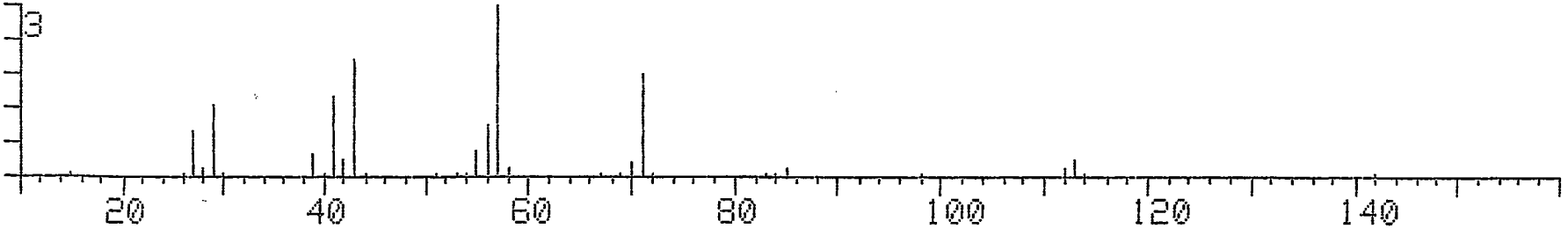
C10H22 142 Decane Fit 0.535 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 4-methyl- Fit 0.472 SP#/CAS# 7003/17301-94-9



C10H22 142 Nonane, 3-methyl- Fit 0.469 SP#/CAS# 6982/5911-04-6



000506

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 1728
Background Scans * 1.00 1721
Retention time: 15.55 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.509
C10H22 142 Decane

Rank 2 Spectrum 6982
C.A.S 5911-04-6
Fit 0.498
C10H22 142 Nonane, 3-methyl-

Rank 3 Spectrum 7003
C.A.S 17301-94-9
Fit 0.493
C10H22 142 Nonane, 4-methyl-

Rank 4 Spectrum 6989
C.A.S 5881-17-4
Fit 0.489
C10H22 142 Octane, 3-ethyl-

Rank 5 Spectrum 4521
C.A.S 3074-75-7
Fit 0.477
C9H20 128 Hexane, 4-ethyl-2-methyl-

Rank 6 Spectrum 7005
C.A.S 15869-89-3
Fit 0.474
C10H22 142 Octane, 2,5-dimethyl-

Rank 7 Spectrum 6998
C.A.S 871-83-0
Fit 0.466
C10H22 142 Nonane, 2-methyl-

Rank 8 Spectrum 6997
C.A.S 52896-90-9
Fit 0.462
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 9 Spectrum 7004
C.A.S 13475-78-0
Fit 0.457
C10H22 142 Heptane, 5-ethyl-2-methyl-

Rank 10 Spectrum 6993
C.A.S 1189-99-7
Fit 0.439
C10H22 142 Heptane, 2,5,5-trimethyl-

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:56:08

Filename: SY0:EQK09R

Comments:

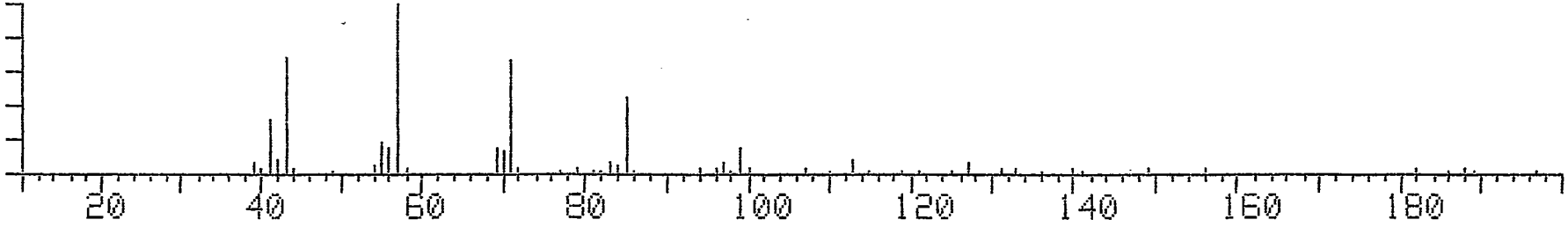
EQK09 EXTR03

TIC = 9915

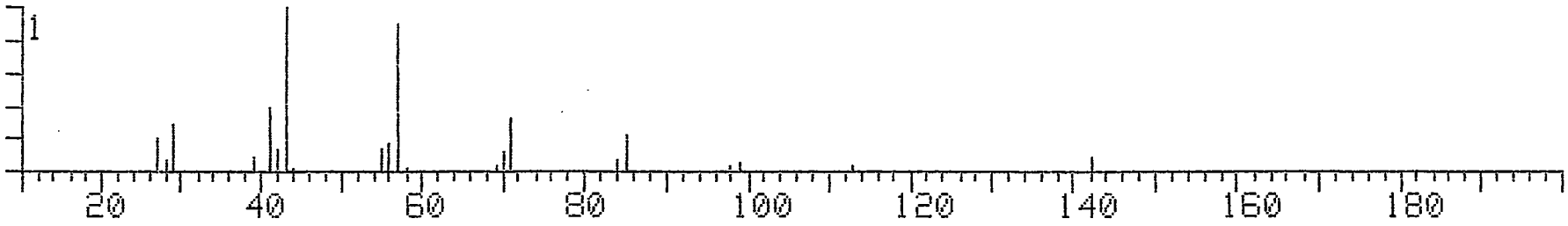
100% = 2053

UNKNOWN HYDROCARBON

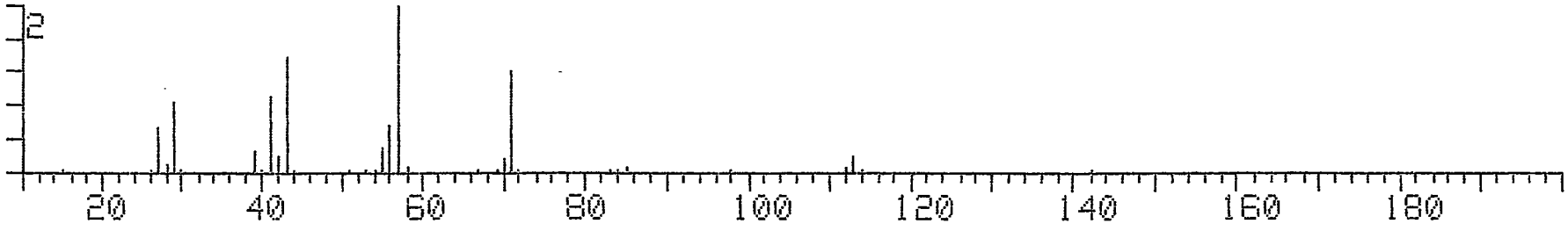
SCANS: 1728-1728 BKG * 1.00 1721



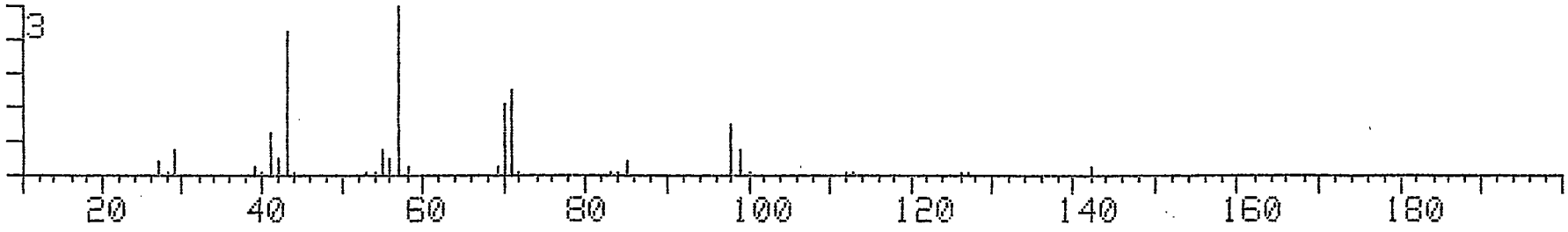
C10H22 142 Decane Fit 0.509 SP#/CAS# 6984/124-18-5



C10H22 142 Nonane, 3-methyl- Fit 0.498 SP#/CAS# 6982/5911-04-6



C10H22 142 Nonane, 4-methyl- Fit 0.493 SP#/CAS# 7003/17301-94-9



000508

NISTEPA Library Search

UNKNOWN HYDROCARBON

File name: DUO:[301,4]EQK09R
Comments: EQK09 EXTR03
Scan Number: 1736
Retention time: 15.62 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

Rank 1 Spectrum 22037
C.A.S 3891-98-3
Fit 0.589
C15H32 212 Dodecane, 2,6,10-trimethyl-

Rank 2 Spectrum 31810
C.A.S 61868-03-9
Fit 0.500
C19H40 268 Heptadecane, 2,3-dimethyl-

Rank 3 Spectrum 25443
C.A.S 4536-30-5
Fit 0.488
C14H30O2 230 Ethanol, 2-(dodecyloxy)-

Rank 4 Spectrum 31807
C.A.S 55000-30-1
Fit 0.486
C18H36O 268 Cyclohexanol, dodecyl-

Rank 5 Spectrum 27204
C.A.S 14905-56-7
Fit 0.483
C17H36 240 Tetradecane, 2,6,10-trimethyl-

Rank 6 Spectrum 31819
C.A.S 1921-70-6
Fit 0.479
C19H40 268 Pentadecane, 2,6,10,14-tetramethyl-

Rank 7 Spectrum 31490
C.A.S 13151-90-1
Fit 0.478
C19H38 266 Tridecane 5-cyclohexyl-, 5-cyclohexyl-

Rank 8 Spectrum 27202
C.A.S 1560-92-5
Fit 0.477
C17H36 240 Hexadecane, 2-methyl-

Rank 9 Spectrum 24808
C.A.S 2882-96-4
Fit 0.476
C16H34 226 Pentadecane, 3-methyl-

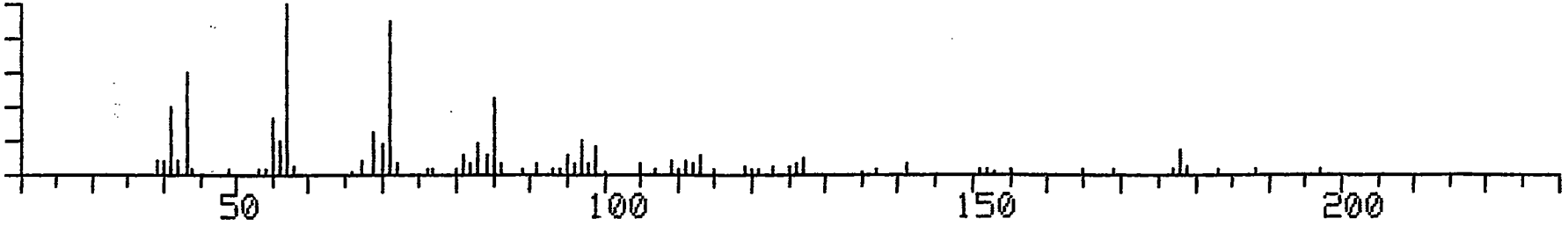
Rank 10 Spectrum 31820
C.A.S 25117-35-5
Fit 0.474
C19H40 268 Octadecane, 5-methyl-

NISTEPA Forward Library Search TIC = 14649
Injection Date: 08-MAY-92 Time: 16:56:08 100% = 1968
Filename: DU0:[301,4]EQK09R
Comments:
EQK09 EXTR03

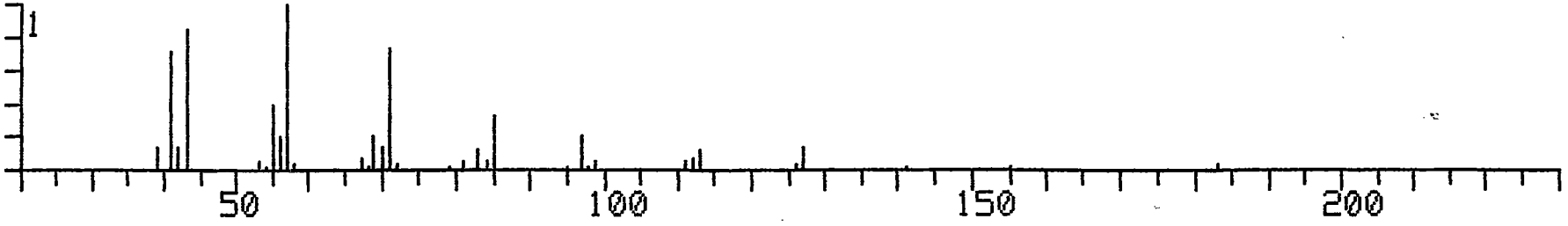
UNKNOWN HYDROCARBON

000510

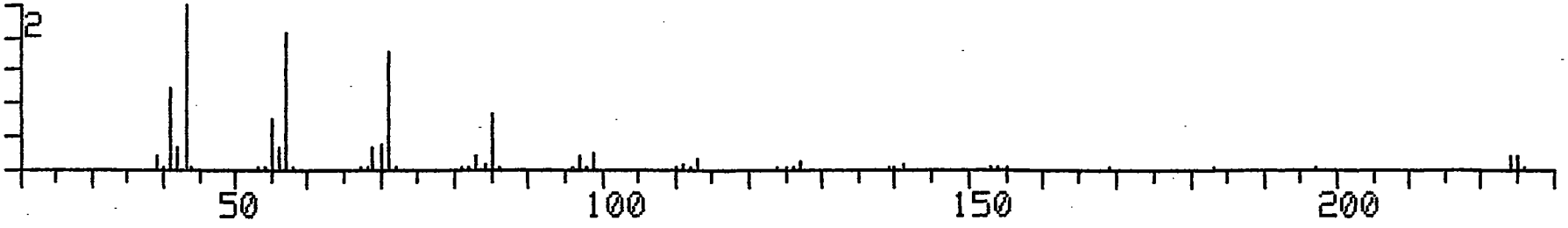
SCANS: 1736-1736 NO BACKGROUND SCANS



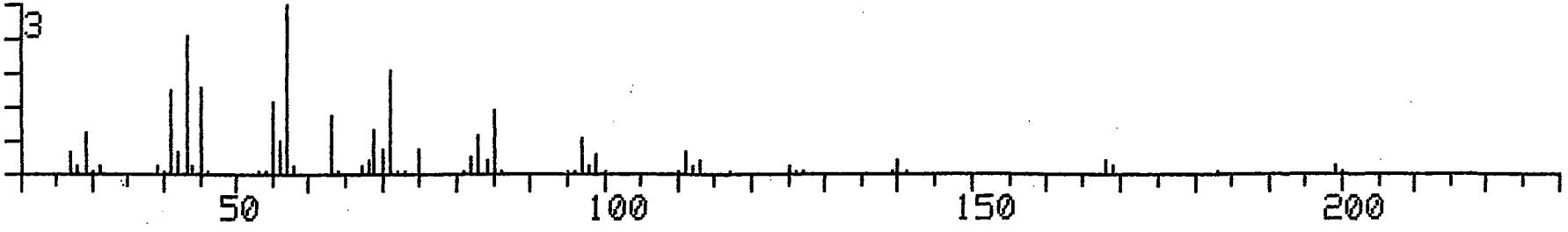
C15H32 212 Dodecane, 2,6,10-trimeth Fit 0.589 SP#/CAS# 22037/3891-98-3



C19H40 268 Heptadecane, 2,3-dimethy Fit 0.500 SP#/CAS# 31810/61868-03-9



C14H3002 230 Ethanol, 2-(dodecyloxy Fit 0.488 SP#/CAS# 25443/4536-30-5



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 1849
Background Scans * 1.00 1840
Retention time: 16.50 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6984
C.A.S 124-18-5
Fit 0.441
C10H22 142 Decane

Rank 2 Spectrum 7388
C.A.S 54004-41-0
Fit 0.424
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 3 Spectrum 7375
C.A.S 18450-74-3
Fit 0.420
C9H20O 144 1-Heptanol, 2,4-dimethyl-, (2S,4R)-(-)-

Rank 4 Spectrum 9445
C.A.S 5877-42-9
Fit 0.400
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 5 Spectrum 7003
C.A.S 17301-94-9
Fit 0.400
C10H22 142 Nonane, 4-methyl-

Rank 6 Spectrum 7372
C.A.S 18450-73-2
Fit 0.398
C9H20O 144 1-Heptanol, 2,4-dimethyl-, (R,R)-(+)-

Rank 7 Spectrum 6982
C.A.S 5911-04-6
Fit 0.375
C10H22 142 Nonane, 3-methyl-

Rank 8 Spectrum 4821
C.A.S 104-76-7
Fit 0.374
C8H18O 130 1-Hexanol, 2-ethyl-

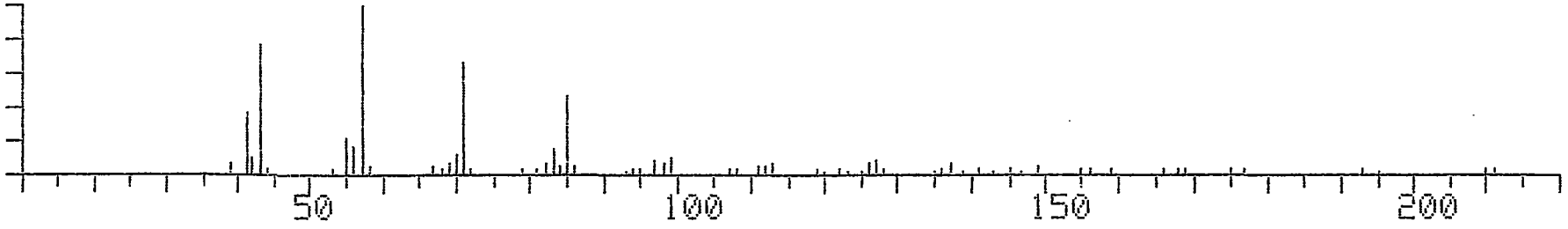
Rank 9 Spectrum 6998
C.A.S 871-83-0
Fit 0.364
C10H22 142 Nonane, 2-methyl-

Rank 10 Spectrum 6989
C.A.S 5881-17-4
Fit 0.358
C10H22 142 Octane, 3-ethyl-

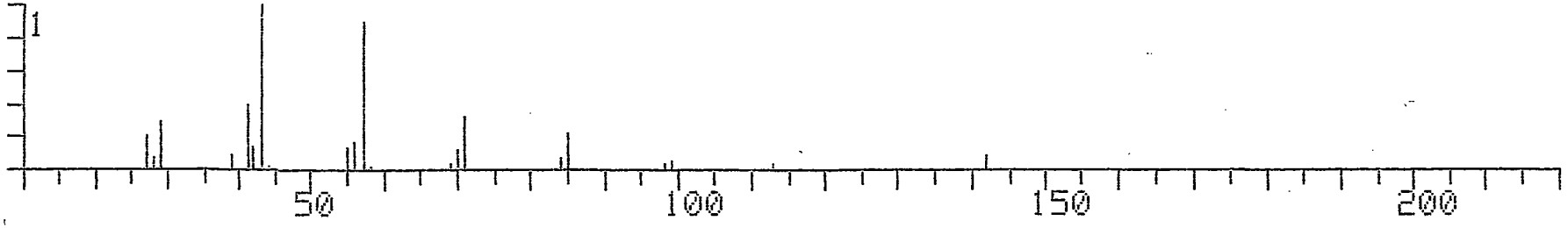
NISTEPA Forward Library Search TIC = 9791
Injection Date: 08-MAY-92 Time: 16:56:08 100% = 1717
Filename: SY0:EQK09R
Comments:
EQK09 EXTR03

UNKNOWN HYDROCARBON

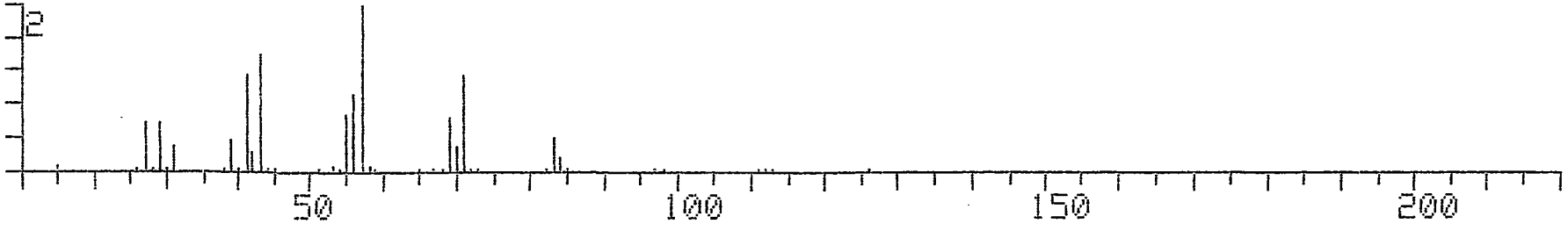
SCANS: 1849-1849 BKG * 1.00 1840



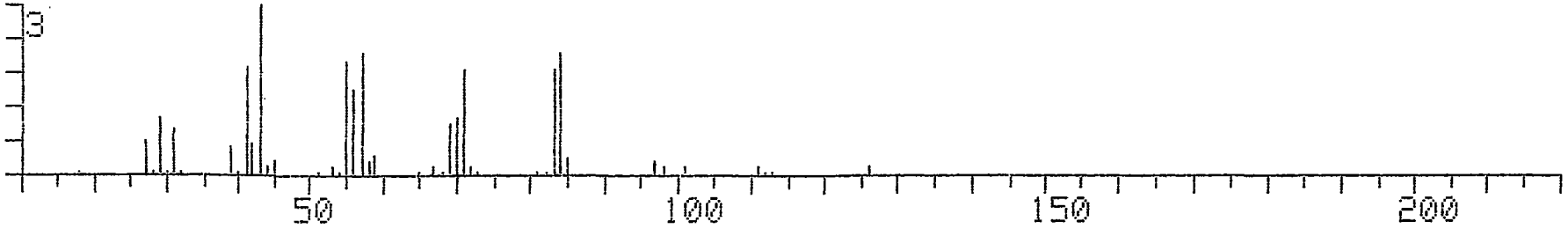
C10H22 142 Decane Fit 0.441 SP#/CAS# 6984/124-18-5



C9H20O 144 1-Pentanol, 4-methyl-2-p Fit 0.424 SP#/CAS# 7388/54004-41-0



C9H20O 144 1-Heptanol, 2,4-dimethyl Fit 0.420 SP#/CAS# 7375/18450-74-3



000512

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03 **UNKNOWN HYDROCARBON**
Scan Number: 2043
Background Scans * 1.00 2037
Retention time: 18.03 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

Rank 1 Spectrum 10366
C.A.S 10042-59-8
Fit 0.403
C10H22O 158 1-Heptanol, 2-propyl-

Rank 2 Spectrum 9905
C.A.S 103-44-6
Fit 0.383
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 3 Spectrum 9445
C.A.S 5877-42-9
Fit 0.371
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 4 Spectrum 4455
C.A.S 50639-00-4
Fit 0.355
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

Rank 5 Spectrum 7388
C.A.S 54004-41-0
Fit 0.348
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 6 Spectrum 9976
C.A.S 62016-18-6
Fit 0.348
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 7 Spectrum 9971
C.A.S 62016-34-6
Fit 0.346
C11H24 156 Octane, 2,3,7-trimethyl-

Rank 8 Spectrum 9979
C.A.S 17302-23-7
Fit 0.345
C11H24 156 Nonane, 4,5-dimethyl-

Rank 9 Spectrum 9531
C.A.S 74630-31-2
Fit 0.343
C11H22 154 2-Decene, 6-methyl-, (Z)-

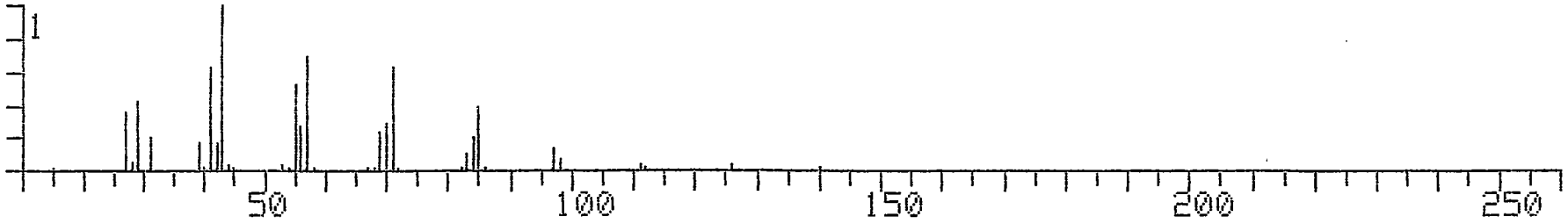
Rank 10 Spectrum 6984
C.A.S 124-18-5
Fit 0.341
C10H22 142 Decane

NISTEPA Forward Library Search TIC = 13147
Injection Date: 08-MAY-92 Time: 16:56:08 100% = 2032
Filename: SY0:EQK09R
Comments:
EQK09 EXTR03

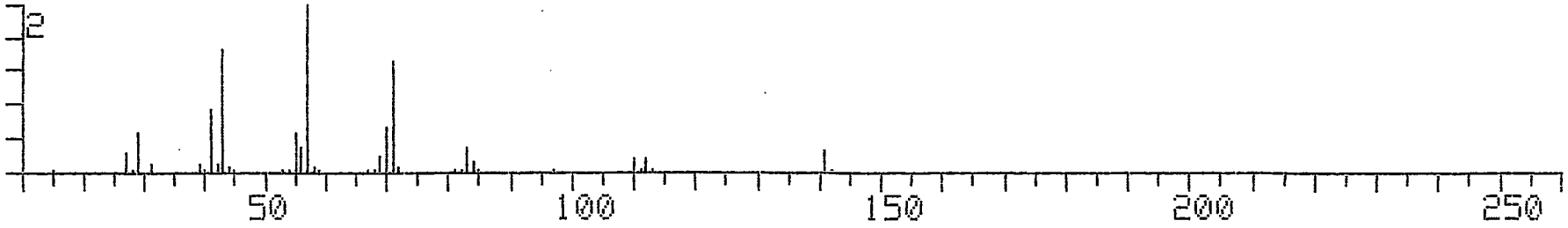
UNKNOWN HYDROCARBON

SCANS: 2043-2043 BKG * 1.00 2037

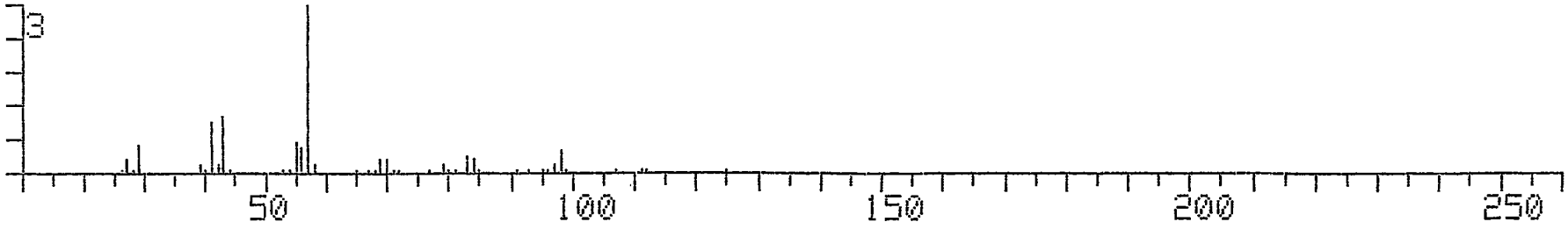
C10H22O 158 1-Heptanol, 2-propyl- Fit 0.403 SP#/CAS# 10366/10042-59-8



C10H20O 156 Heptane, 3-[(ethenyloxy Fit 0.383 SP#/CAS# 9905/103-44-6



C10H18O 154 1-Octyn-3-ol, 4-ethyl- Fit 0.371 SP#/CAS# 9445/5877-42-9



000514

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2212
Background Scans * 1.00 2205
Retention time: 19.35 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 9976
C.A.S 62016-18-6
Fit 0.353
C11H24 156 Octane, 5-ethyl-2-methyl-

Rank 2 Spectrum 9979
C.A.S 17302-23-7
Fit 0.325
C11H24 156 Nonane, 4,5-dimethyl-

Rank 3 Spectrum 10356
C.A.S 2370-14-1
Fit 0.317
C10H220 158 1-Octanol, 2,2-dimethyl-

Rank 4 Spectrum 9510
C.A.S 13151-29-6
Fit 0.310
C11H22 154 1-Decene, 4-methyl-

Rank 5 Spectrum 9972
C.A.S 13151-34-3
Fit 0.303
C11H24 156 Decane, 3-methyl-

Rank 6 Spectrum 7007
C.A.S 2051-30-1
Fit 0.301
C10H22 142 Octane, 2,6-dimethyl-

Rank 7 Spectrum 9977
C.A.S 62016-19-7
Fit 0.300
C11H24 156 Octane, 6-ethyl-2-methyl-

Rank 8 Spectrum 9969
C.A.S 17302-32-8
Fit 0.297
C11H24 156 Nonane, 3,7-dimethyl-

Rank 9 Spectrum 6997
C.A.S 52896-90-9
Fit 0.295
C10H22 142 Heptane, 3-ethyl-5-methyl-

Rank 10 Spectrum 7003
C.A.S 17301-94-9
Fit 0.290
C10H22 142 Nonane, 4-methyl-

NISTEPA Forward Library Search

TIC = 12178

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 2256

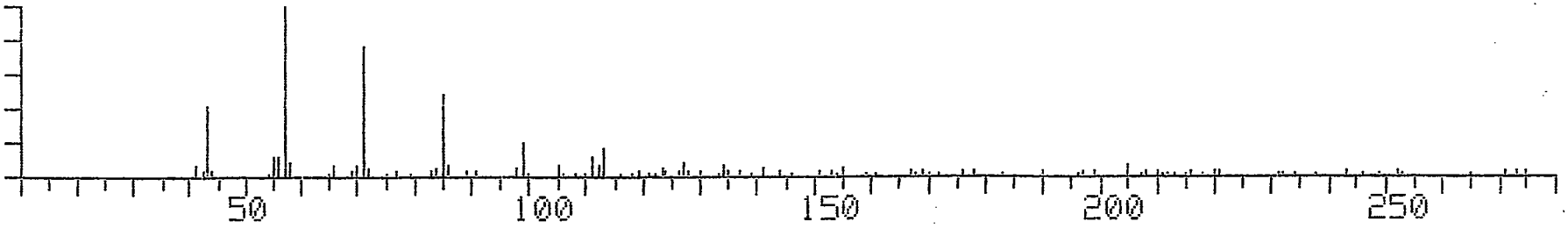
Filename: SY0:EQK09R

Comments:

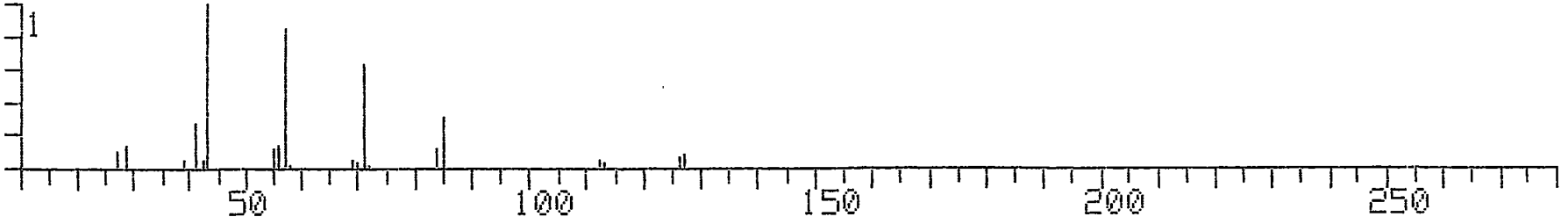
EQK09 EXTR03

UNKNOWN HYDROCARBON

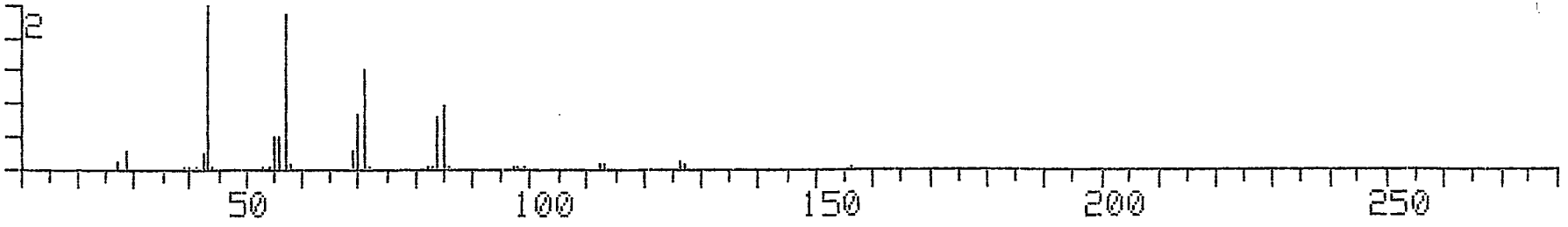
SCANS: 2212-2212 BKG * 1.00 2205



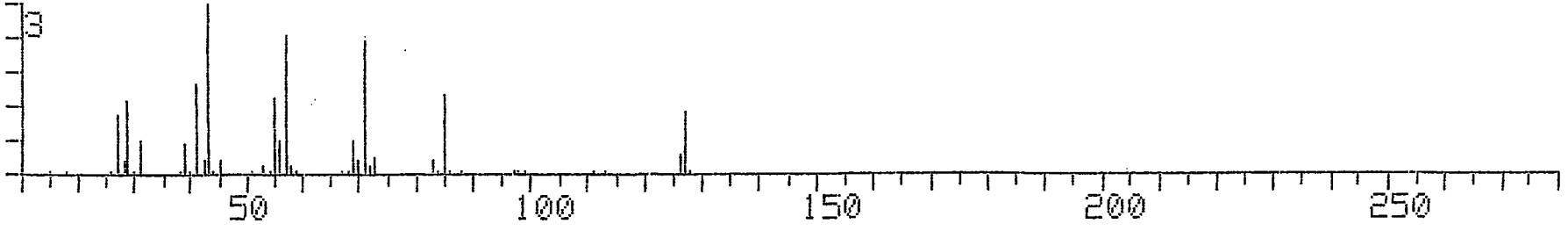
C11H24 156 Octane, 5-ethyl-2-methyl Fit 0.353 SP#/CAS# 9976/62016-18-6



C11H24 156 Nonane, 4,5-dimethyl- Fit 0.325 SP#/CAS# 9979/17302-23-7



C10H22O 158 1-Octanol, 2,2-dimethyl Fit 0.317 SP#/CAS# 10356/2370-14-1



000516

NISTEPA Library Search

UNKNOWN

File name: DUO:[301,4]EQK09R
Comments: EQK09 EXTR03
Scan Number: 2292
Retention time: 19.98 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

Rank 1 Spectrum 9735
C.A.S 56771-77-8
Fit 0.515
C7H8O4 156 4-Hexenoic acid, 3-methyl-2,6-dioxo-

Rank 2 Spectrum 10002
C.A.S 2937-53-3
Fit 0.498
C2H7NO3S2 157 Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) ester

Rank 3 Spectrum 9930
C.A.S 31104-61-7
Fit 0.438
C10H20O 156 Cyclohexanol, 3-methyl-2-(1-methylethyl)-, (1.alpha.,2.alpha.,3.alpha.)-

Rank 4 Spectrum 9911
C.A.S 21129-27-1
Fit 0.379
C10H20O 156 Cyclohexanol, 1-methyl-4-(1-methylethyl)-

Rank 5 Spectrum 9960
C.A.S 490-99-3
Fit 0.375
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.beta.)-

Rank 6 Spectrum 9935
C.A.S 1490-04-6
Fit 0.359
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-

Rank 7 Spectrum 6886
C.A.S 1194-44-1
Fit 0.352
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 8 Spectrum 9906
C.A.S 15356-70-4
Fit 0.332
C10H20O 156 Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.alpha.)-(.+/-.)-

Rank 9 Spectrum 12291
C.A.S 85351-05-9
Fit 0.325
C11H21N 167 3-Methyldecanenitrile

000517

Rank 10 Spectrum 9950
C.A.S 112-31-2

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:56:08

Filename: DU0:[301,4]EQK09R

Comments:

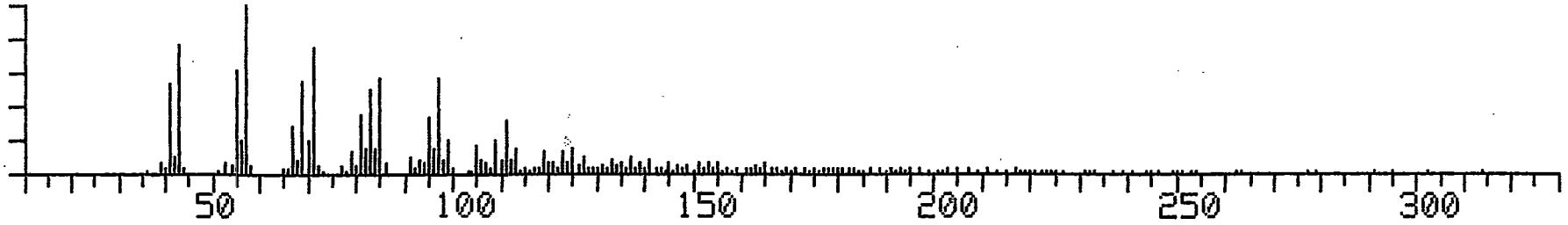
EQK09 EXTR03

TIC = 67455

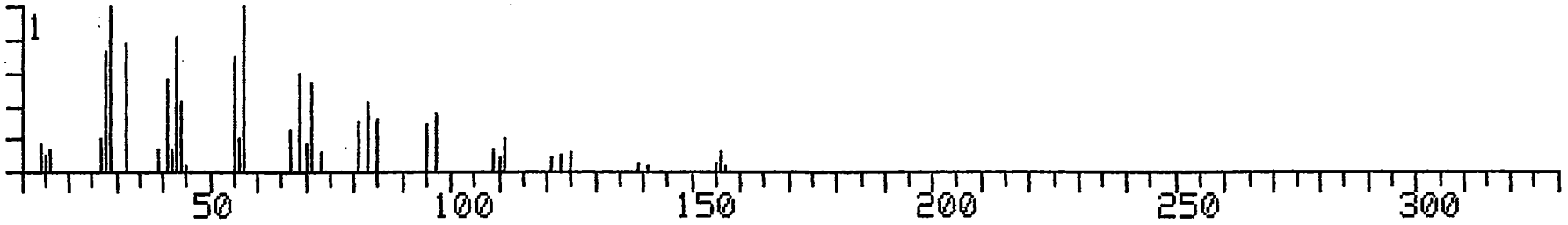
100% = 5024

UNKNOWN

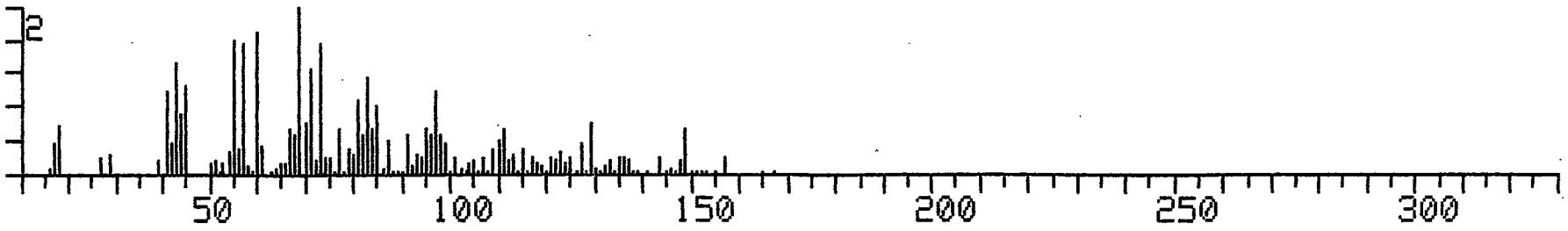
SCANS: 2292-2292 NO BACKGROUND SCANS



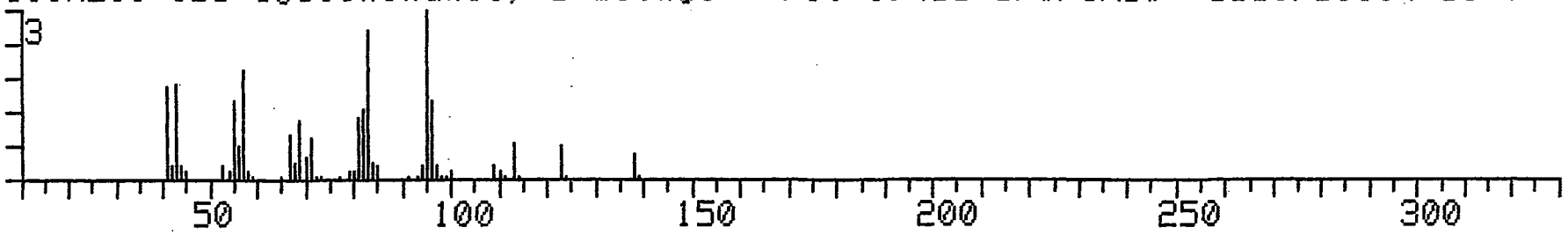
C7H8O4 156 4-Hexenoic acid, 3-methy Fit 0.515 SP#/CAS# 9735/56771-77-8



C2H7NO3S2 157 Thiosulfuric acid (H2 Fit 0.498 SP#/CAS# 10002/2937-53-3



C10H20O 156 Cyclohexanol, 3-methyl- Fit 0.438 SP#/CAS# 9930/31104-61-7



Fit 0.300
C10H20O 156 Decanal

000518

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2562
Background Scans * 1.00 2561
Retention time: 22.12 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN

Forward Search

Rank 1 Spectrum 46264
C.A.S 78517-64-3
Fit 0.291
C21H23NO7 401 Colchifoleine

Rank 2 Spectrum 49053
C.A.S 77573-39-8
Fit 0.233
C24H34O8 450 1H-Cyclopropa[3,4]benz[1,2-e]azulene-4a,5,7b,9,9a(1aH)-pentol, 1b,4,5,7a,8,9-hexahydro-3-(hydroxymethyl)-1,1,6,8-tetramethyl-, 9,9a-diacetate, [1aR-(1a.alpha.,1b.beta.,4a.beta.,5.beta.,7a.alpha.,7b.alpha.,8.alpha.,9.beta.,9a.alpha.)]-

Rank 3 Spectrum 41411
C.A.S 6068-80-0
Fit 0.222
C18H16O7 344 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5-dihydroxy-7-methoxy-

Rank 4 Spectrum 50098
C.A.S 77573-23-0
Fit 0.219
C26H36O8 476 1H-2,8a-Methanocyclopenta[a]cyclopropa[e]cyclodecen-11-one, 5,6-bis(acetyloxy)-1-[(acetyloxy)methyl]-1a,2,3,4,5,5a,6,9,10,10a-decahydro-5a-hydroxy-1,4,7,9-tetramethyl-

Rank 5 Spectrum 49668
C.A.S 77573-19-4
Fit 0.218
C24H32O9 464 5H-Cyclopropa[3,4]benz[1,2-e]azulen-5-one, 9,9a-bis(acetyloxy)-1,1a,1b,2,4a,7a,7b,8,9,9a-decahydro-2,4a,7b-trihydroxy-3-(hydroxymethyl)-1,1,6,8-tetramethyl-, [1aR-(1a.alpha.,1b.beta.,2.beta.,4a.beta.,7a.alpha.,7b.alpha.,8.alpha.,9.beta.,9a.alpha.)]-

Rank 6 Spectrum 51600
C.A.S 51950-35-7
Fit 0.214
C28H40O10 536 4a,7a-Epoxy-5H-cyclopenta[a]cyclopropa[f]cycloundecene-2,4,7,10,11-pentol, 1,1a,2,3,4,6,7,10,11,11a-decahydro-1,1,3,6,9-pentamethyl-, 2,7,10,11-tetraacetate

Rank 7 Spectrum 51307
C.A.S 77646-26-5
Fit 0.210
C26H34O11 522 4H-Cyclopropa[5',6']benz[1',2':7,8]azuleno[5,6-b]oxiren-4-one, 8,8a-bis(acetyloxy)-2a-[(acetyloxy)methyl]-1,1a,1b,1c,2a,3,3a,6a,6b,7,8,8a-dodecahydro-3,3a,6b-trihydroxy-1,1,5,7-tetramethyl-

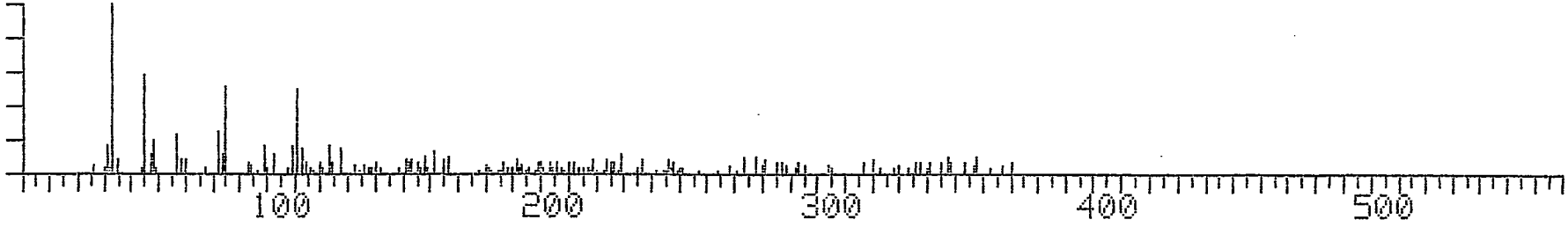
Rank 8 Spectrum 49085
C.A.S 544-85-4
Fit 0.207
C32H66 450 Dotriacontane

NISTEPA Forward Library Search TIC = 7589
Injection Date: 08-MAY-92 Time: 16:56:08 100% = 768
Filename: SY0:EQK09R
Comments:
EQK09 EXTR03

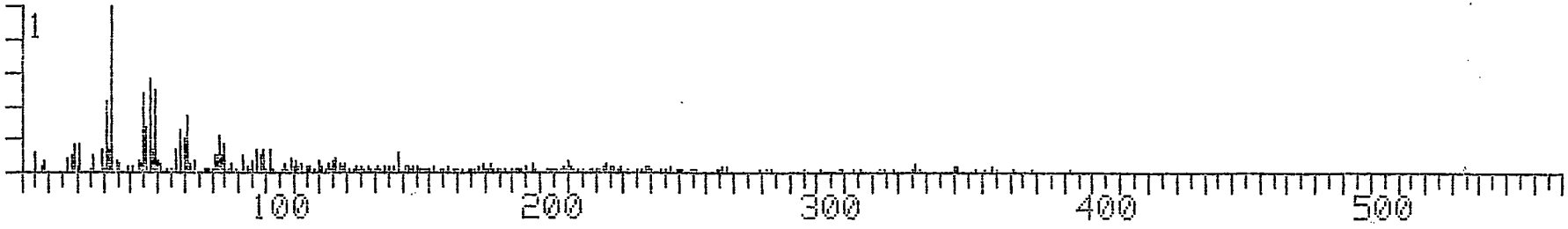
UNKNOWN

000520

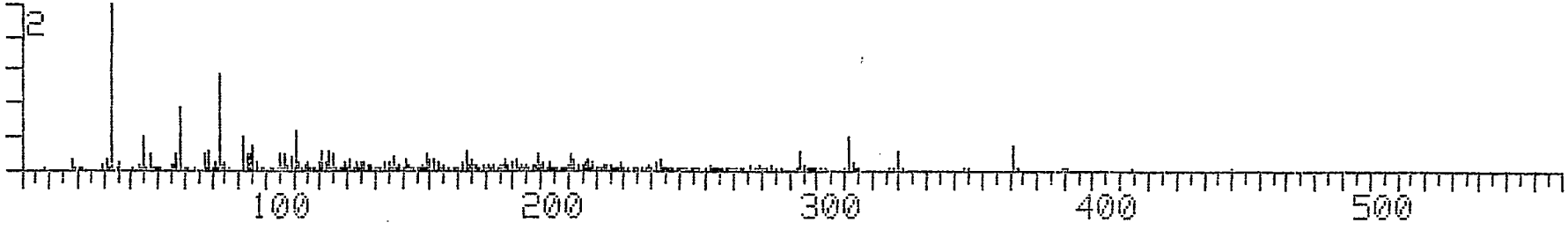
SCANS: 2562-2562 BKG * 1.00 2561



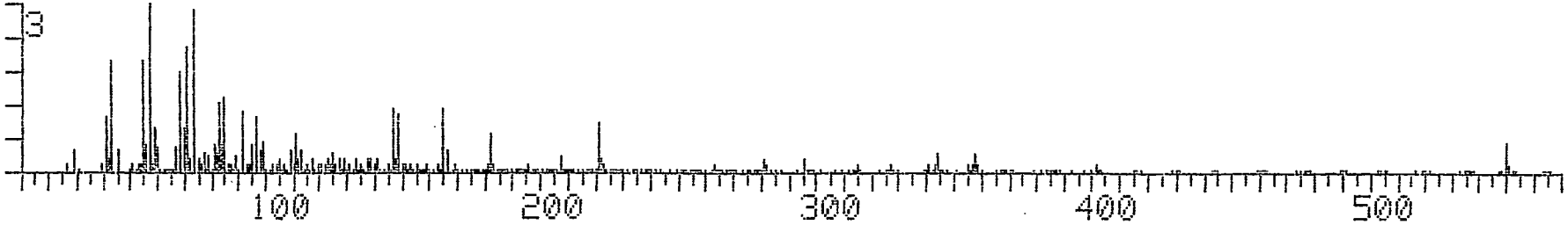
C21H23NO7 401 Colchifoleine Fit 0.291 SP#/CAS# 46264/78517-64-3



C24H34O8 450 1H-Cyclopropa[3,4]benz Fit 0.233 SP#/CAS# 49053/77573-39-8



C18H16O7 344 4H-1-Benzopyran-4-one, Fit 0.222 SP#/CAS# 41411/6068-80-0



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2609
Background Scans * 1.00 2604
Retention time: 22.48 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 6886
C.A.S 1194-44-1
Fit 0.256
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 2 Spectrum 6984
C.A.S 124-18-5
Fit 0.219
C10H22 142 Decane

Rank 3 Spectrum 4450
C.A.S 5337-72-4
Fit 0.211
C8H16O 128 Cyclohexanol, 2,6-dimethyl-

Rank 4 Spectrum 4317
C.A.S 17429-02-6
Fit 0.195
C7H12O2 128 Cyclohexanone, 4-hydroxy-4-methyl-

Rank 5 Spectrum 4433
C.A.S 53907-77-0
Fit 0.194
C8H16O 128 Oxirane, (3,3-dimethylbutyl)-

Rank 6 Spectrum 6982
C.A.S 5911-04-6
Fit 0.192
C10H22 142 Nonane, 3-methyl-

Rank 7 Spectrum 7388
C.A.S 54004-41-0
Fit 0.186
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 8 Spectrum 7005
C.A.S 15869-89-3
Fit 0.183
C10H22 142 Octane, 2,5-dimethyl-

Rank 9 Spectrum 6675
C.A.S 33527-93-4
Fit 0.183
C8H15NO 141 Pyrrolidine, 1-(1-oxobutyl)-

Rank 10 Spectrum 6998
C.A.S 871-83-0
Fit 0.179
C10H22 142 Nonane, 2-methyl-

NISTEPA Forward Library Search

TIC = 16773

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 1984

Filename: SY0:EQK09R

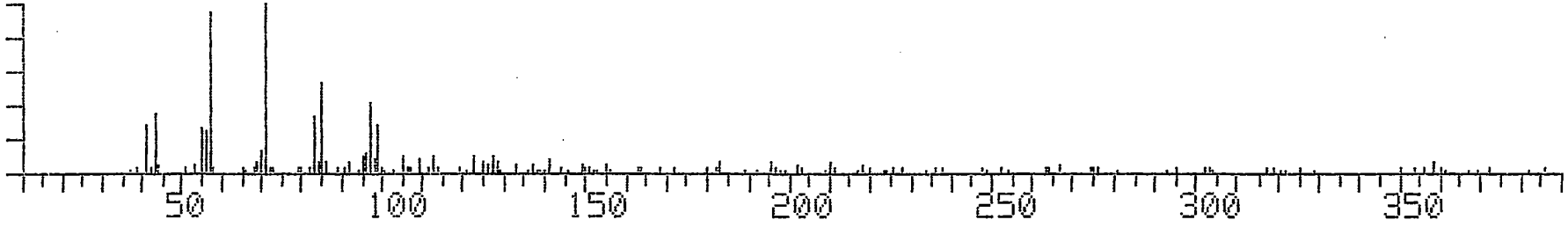
Comments:

EQK09 EXTR03

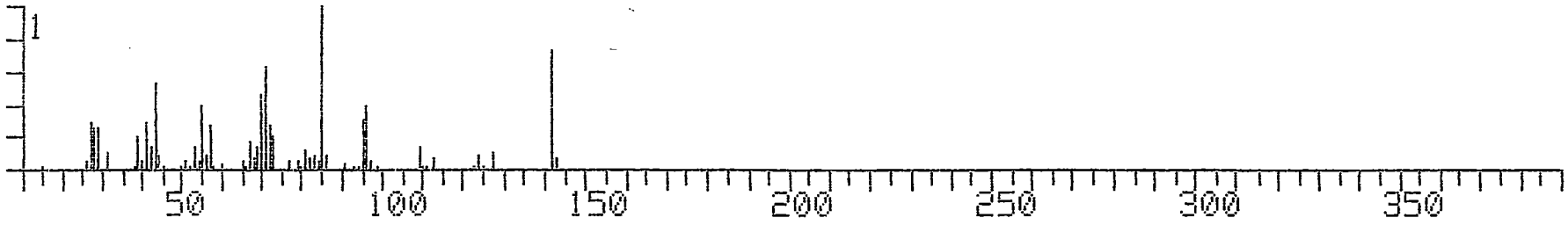
UNKNOWN HYDROCARBON

000522

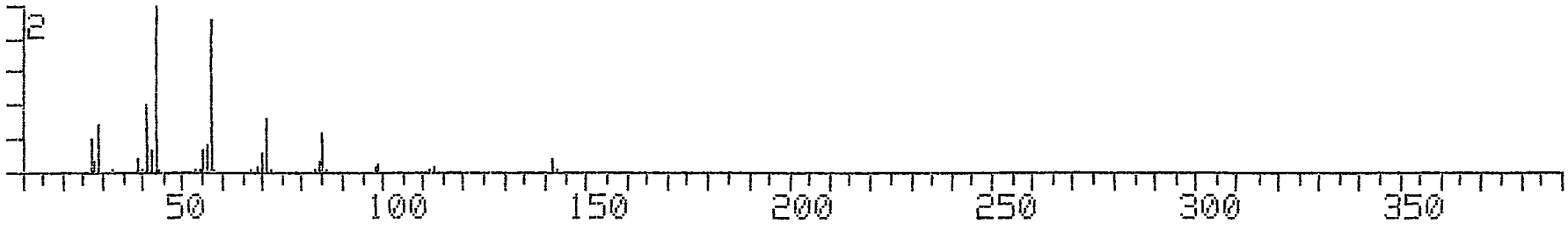
SCANS: 2609-2609 BKG * 1.00 2604



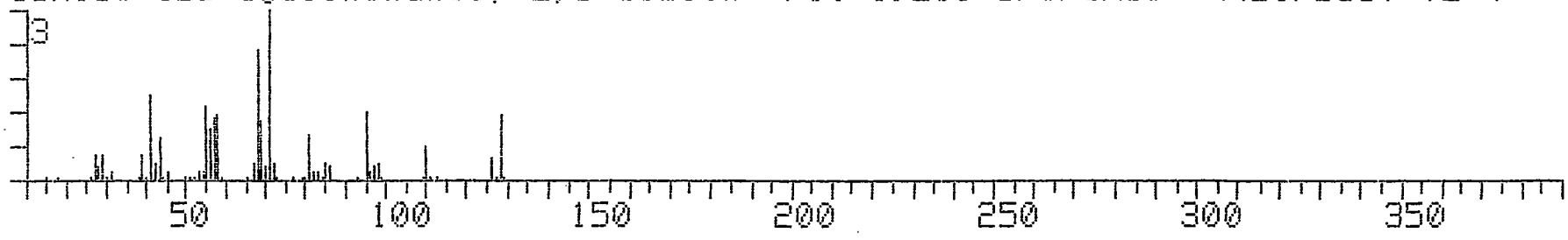
C8H14O2 142 Bicyclo[2.2.2]octane-1, Fit 0.256 SP#/CAS# 6886/1194-44-1



C10H22 142 Decane Fit 0.219 SP#/CAS# 6984/124-18-5



C8H16O 128 Cyclohexanol, 2,6-dimeth Fit 0.211 SP#/CAS# 4450/5337-72-4



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2652
Background Scans * 1.00 2644
Retention time: 22.82 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 46048
C.A.S 5234-53-7
Fit 0.553
C28H46O 398 5.alpha.-Cholest-8-en-3-one, 14-methyl-

Rank 2 Spectrum 46264
C.A.S 78517-64-3
Fit 0.533
C21H23NO7 401 Colchifoleine

Rank 3 Spectrum 31807
C.A.S 55000-30-1
Fit 0.508
C18H36O 268 Cyclohexanol, dodecyl-

Rank 4 Spectrum 39368
C.A.S 55334-42-4
Fit 0.507
C12H24Br2 326 Dodecane, 1,2-dibromo-

Rank 5 Spectrum 46231
C.A.S 56687-74-2
Fit 0.499
C28H48O 400 Cholest-7-en-3-ol, 14-methyl-, (3.beta.)-

Rank 6 Spectrum 34701
C.A.S 1561-06-4
Fit 0.462
C17H36O3 288 1,2-Propanediol, 3-(tetradecyloxy)-

Rank 7 Spectrum 43430
C.A.S 4443-61-2
Fit 0.453
C26H52 364 Eicosane, 9-cyclohexyl-

Rank 8 Spectrum 31493
C.A.S 13151-92-3
Fit 0.449
C19H38 266 Tridecane 7-cyclohexyl-, 7-cyclohexyl-

Rank 9 Spectrum 35833
C.A.S 20489-83-2
Fit 0.447
C20H40O 296 Cyclotetradecanol, 1,7,11-trimethyl-4-(1-methylethyl)-, (-
)-

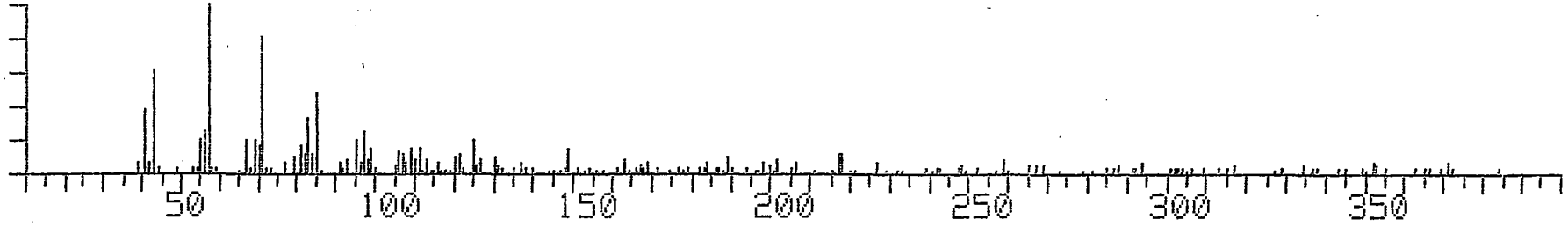
Rank 10 Spectrum 41411
C.A.S 6068-80-0
Fit 0.446
C18H16O7 344 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5-dihydr
oxy-7-methoxy-

NISTEPA Forward Library Search TIC = 15143
Injection Date: 08-MAY-92 Time: 16:56:08 100% = 1344
Filename: SY0:EQK09R
Comments:
EQK09 EXTR03

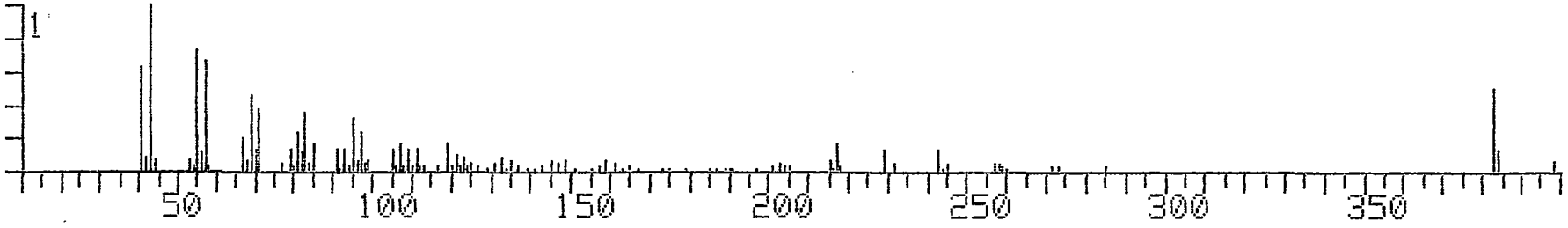
UNKNOWN HYDROCARBON

000524

SCANS: 2652-2652, BKG * 1.00 2644

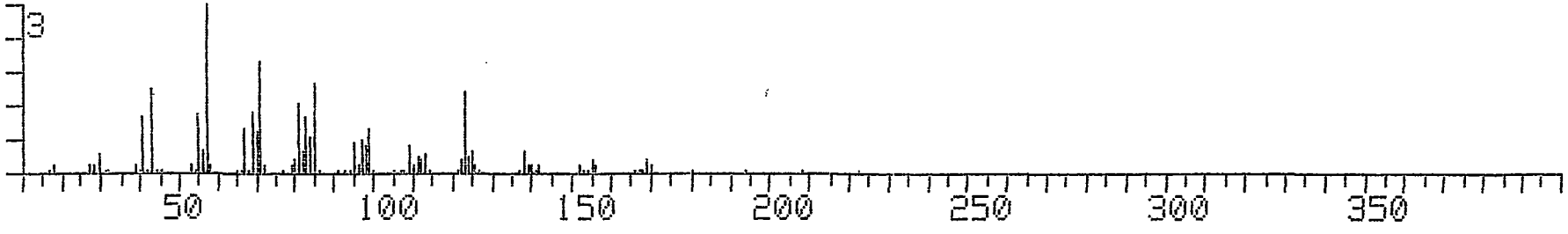


C28H46O 398 5.alpha.-Cholest-8-en-3 Fit 0.553 SP#/CAS# 46048/5234-53-7



C21H23NO7 401 Colchifoleine Fit 0.533 SP#/CAS# 46264/78517-64-3

C18H36O 268 Cyclohexanol, dodecyl- Fit 0.508 SP#/CAS# 31807/55000-30-1



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2678
Background Scans * 1.00 2665
Retention time: 23.02 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 12695
C.A.S 54410-98-9
Fit 0.368
C12H24 168 1-Nonene, 4,6,8-trimethyl-

Rank 2 Spectrum 12701
C.A.S 74630-39-0
Fit 0.367
C12H24 168 1-Undecene, 4-methyl-

Rank 3 Spectrum 10356
C.A.S 2370-14-1
Fit 0.365
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 4 Spectrum 12659
C.A.S 56851-34-4
Fit 0.348
C12H24 168 2-Undecene, 5-methyl-

Rank 5 Spectrum 9905
C.A.S 103-44-6
Fit 0.345
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 6 Spectrum 6886
C.A.S 1194-44-1
Fit 0.344
C8H14O2 142 Bicyclo[2.2.2]octane-1,4-diol

Rank 7 Spectrum 9445
C.A.S 5877-42-9
Fit 0.341
C10H18O 154 1-Octyn-3-ol, 4-ethyl-

Rank 8 Spectrum 4455
C.A.S 50639-00-4
Fit 0.341
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

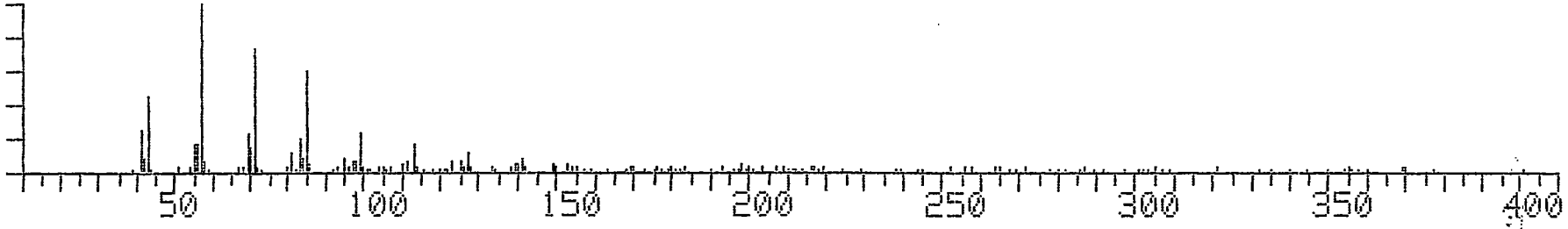
Rank 9 Spectrum 9979
C.A.S 17302-23-7
Fit 0.338
C11H24 156 Nonane, 4,5-dimethyl-

Rank 10 Spectrum 9969
C.A.S 17302-32-8
Fit 0.332
C11H24 156 Nonane, 3,7-dimethyl-

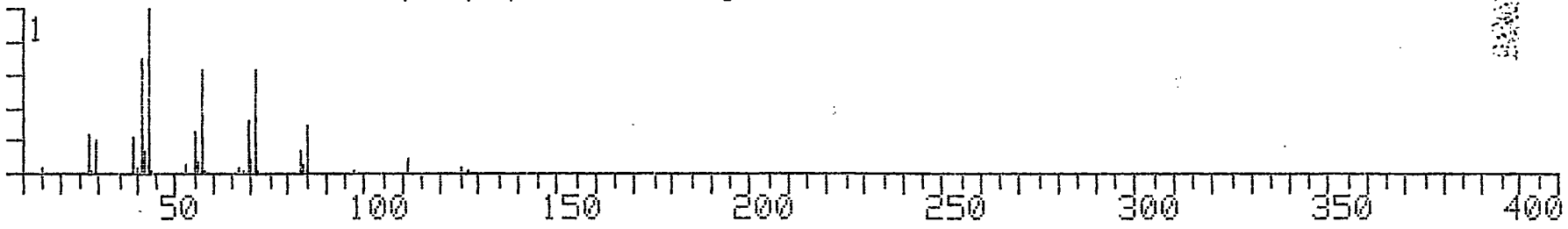
NISTEPA Forward Library Search TIC = 20978
Injection Date: 08-MAY-92 Time: 16:56:08 100% = 2864
Filename: SY0:EQK09R
Comments:
EQK09 EXTR03

UNKNOWN HYDROCARBON

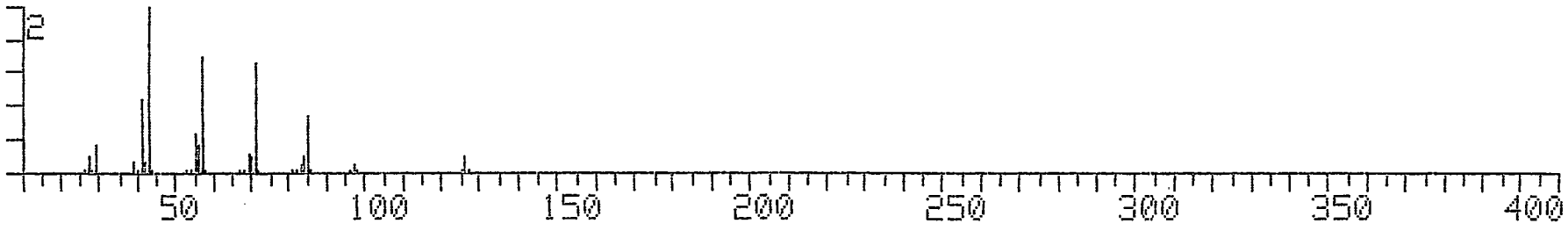
SCANS: 2678-2678 BKG * 1.00 2665



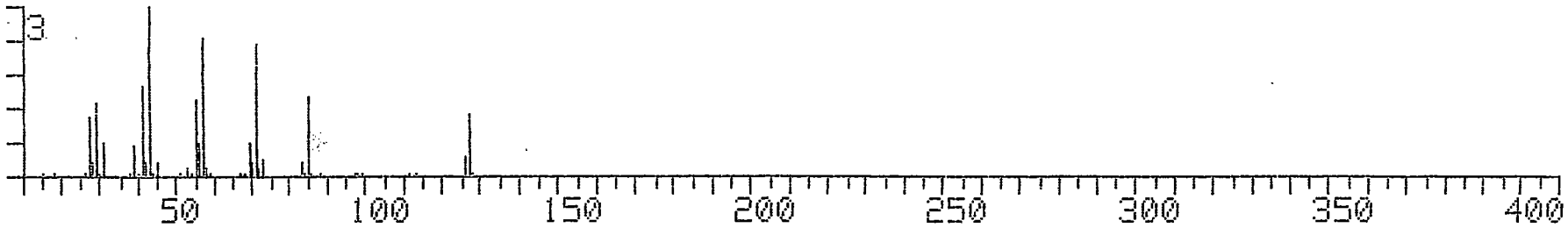
C12H24 168 1-Nonene, 4,6,8-trimethy Fit 0.368 SP#/CAS# 12695/54410-98-9



C12H24 168 1-Undecene, 4-methyl- Fit 0.367 SP#/CAS# 12701/74630-39-0



C10H220 158 1-Octanol, 2,2-dimethyl Fit 0.365 SP#/CAS# 10356/2370-14-1



000526

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2764
Background Scans * 1.00 2752
Retention time: 23.70 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN HYDROCARBON

Forward Search

Rank 1 Spectrum 46048
C.A.S 5234-53-7
Fit 0.436
C28H46O 398 5.alpha.-Cholest-8-en-3-one, 14-methyl-

Rank 2 Spectrum 35833
C.A.S 20489-83-2
Fit 0.386
C20H40O 296 Cyclotetradecanol, 1,7,11-trimethyl-4-(1-methylethyl)-, (-)-

Rank 3 Spectrum 43223
C.A.S 55401-65-5
Fit 0.363
C26H50 362 Pentalene, octahydro-1-(2-octyldecyl)-

Rank 4 Spectrum 31807
C.A.S 55000-30-1
Fit 0.354
C18H36O 268 Cyclohexanol, dodecyl-

Rank 5 Spectrum 43226
C.A.S 55334-10-6
Fit 0.352
C26H50 362 Pentalene, octahydro-2-(1-methylheptadecyl)-

Rank 6 Spectrum 36079
C.A.S 77899-00-4
Fit 0.336
C18H34O3 298 2-Hydroxy-(Z)9-pentadecenyl propanoate

Rank 7 Spectrum 35501
C.A.S 13804-51-8
Fit 0.328
C18H30O3 294 2,6-Nonadienoic acid, 7-ethyl-9-(3-ethyl-3-methyloxiranyl)-3-methyl-, methyl ester, [2R-[2.alpha.(2E,6E),3.alpha.]]-

Rank 8 Spectrum 36583
C.A.S 10493-51-3
Fit 0.327
C16H14O6 302 [Bi-1,4-cyclohexadien-1-yl]-3,3',6,6'-tetrone, 4,4'-dihydroxy-2,2',5,5'-tetramethyl-

Rank 9 Spectrum 31431
C.A.S 25377-73-5
Fit 0.321
C16H26O3 266 2,5-Furandione, 3-(dodecenyl)dihydro-

Rank 10 Spectrum 37210
C.A.S 55836-76-5
Fit 0.315
C20H34O2 306 8H-Naphtho[1,2-b]pyran-8-one, 3-ethyldodecahydro-3,4a,7,7

000527

NISTEPA Forward Library Search TIC = 20665

Injection Date: 08-MAY-92 Time: 16:56:08 100% = 1968

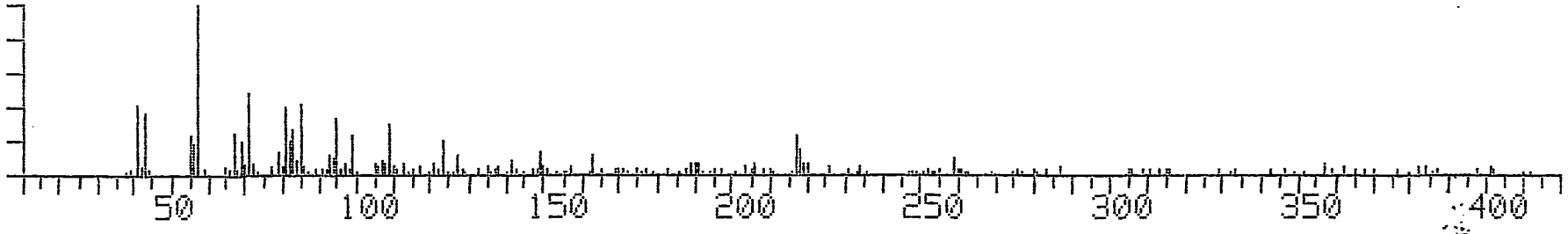
Filename: SY0:EQK09R

Comments:

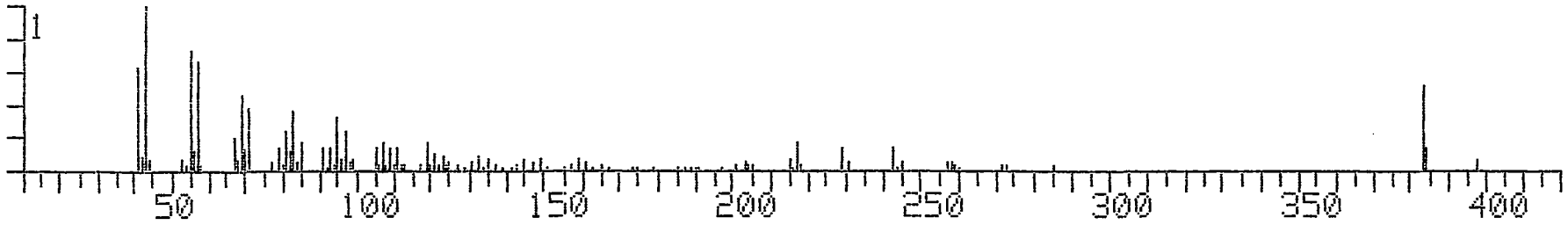
EQK09 EXTR03

UNKNOWN HYDROCARBON

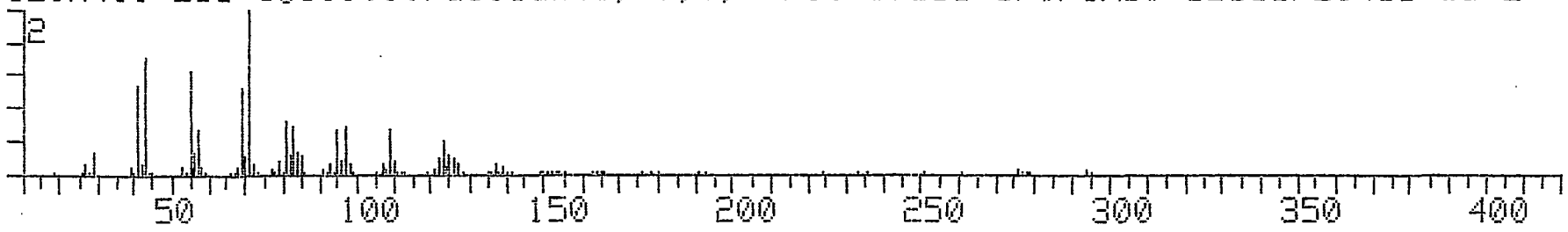
SCANS: 2764-2764 BKG * 1.00 2752



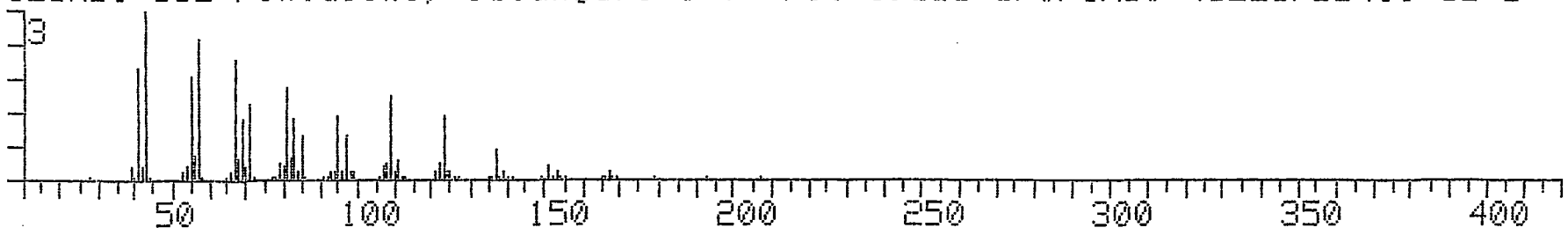
C28H46O 398 5.alpha.-Cholest-8-en-3 Fit 0.436 SP#/CAS# 46048/5234-53-7



C20H40O 296 Cyclotetradecanol, 1,7, Fit 0.386 SP#/CAS# 35833/20489-83-2



C26H50 362 Pentalene, octahydro-1-(Fit 0.363 SP#/CAS# 43223/55401-65-5



000528

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2815
Background Scans * 1.00 2808
Retention time: 24.10 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

UNKNOWN HYDROCARBON

Rank 1 Spectrum 9905
C.A.S 103-44-6
Fit 0.369
C10H20O 156 Heptane, 3-[(ethenyloxy)methyl]-

Rank 2 Spectrum 9735
C.A.S 56771-77-8
Fit 0.321
C7H8O4 156 4-Hexenoic acid, 3-methyl-2,6-dioxo-

Rank 3 Spectrum 4455
C.A.S 50639-00-4
Fit 0.315
C8H16O 128 2-Hexen-1-ol, 2-ethyl-

Rank 4 Spectrum 9943
C.A.S 37769-62-3
Fit 0.297
C10H20O 156 Isooctane, (ethenyloxy)-

Rank 5 Spectrum 9956
C.A.S 18409-18-2
Fit 0.278
C10H20O 156 2-Decen-1-ol, (E)-

Rank 6 Spectrum 7388
C.A.S 54004-41-0
Fit 0.273
C9H20O 144 1-Pentanol, 4-methyl-2-propyl-

Rank 7 Spectrum 10366
C.A.S 10042-59-8
Fit 0.272
C10H22O 158 1-Heptanol, 2-propyl-

Rank 8 Spectrum 9979
C.A.S 17302-23-7
Fit 0.272
C11H24 156 Nonane, 4,5-dimethyl-

Rank 9 Spectrum 10356
C.A.S 2370-14-1
Fit 0.271
C10H22O 158 1-Octanol, 2,2-dimethyl-

Rank 10 Spectrum 9510
C.A.S 13151-29-6
Fit 0.270
C11H22 154 1-Decene, 4-methyl-

NISTEPA Forward Library Search

TIC = 19341

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 2448

Filename: SY0:EQK09R

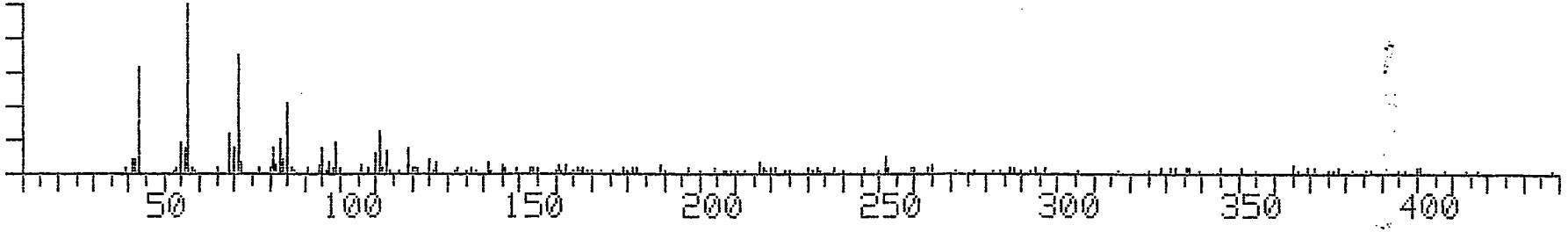
Comments:

EQK09 EXTR03

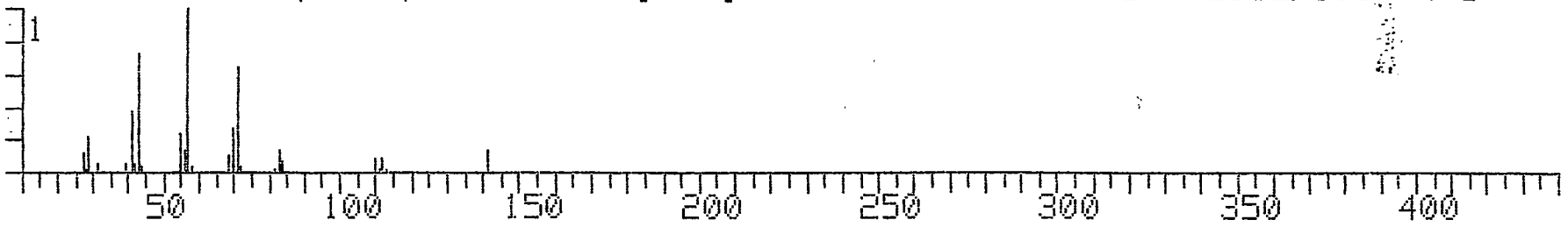
UNKNOWN HYDROCARBON

000530

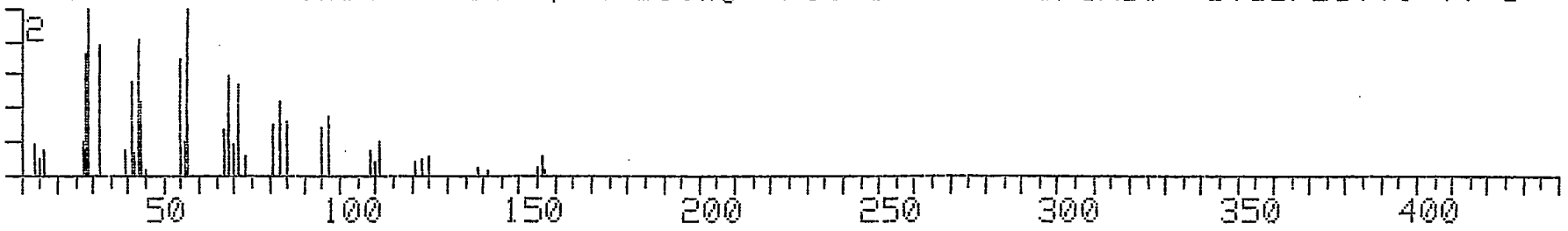
SCANS: 2815-2815 BKG * 1.00 2808



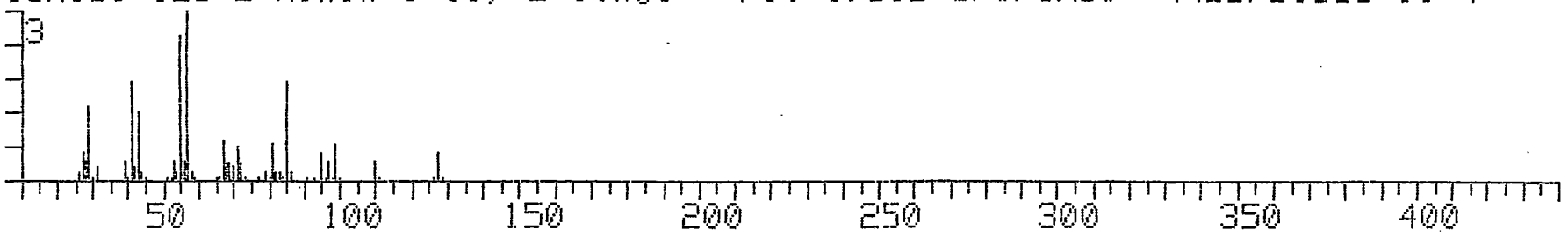
C10H20O 156 Heptane, 3-[(ethenyloxy Fit 0.369 SP#/CAS# 9905/103-44-6



C7H8O4 156 4-Hexenoic acid, 3-methy Fit 0.321 SP#/CAS# 9735/56771-77-8



C8H16O 128 2-Hexen-1-ol, 2-ethyl- Fit 0.315 SP#/CAS# 4455/50639-00-4



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2863
Background Scans * 1.00 2854
Retention time: 24.48 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

Rank 1 Spectrum 31807
C.A.S 55000-30-1
Fit 0.414
C18H36O 268 Cyclohexanol, dodecyl-

UNKNOWN HYDROCARBON

Rank 2 Spectrum 35501
C.A.S 13804-51-8
Fit 0.405
C18H30O3 294 2,6-Nonadienoic acid, 7-ethyl-9-(3-ethyl-3-methyloxiranyl)-3-methyl-, methyl ester, [2R-[2.alpha.(2E,6E),3.alpha.]]-

Rank 3 Spectrum 35833
C.A.S 20489-83-2
Fit 0.374
C20H40O 296 Cyclotetradecanol, 1,7,11-trimethyl-4-(1-methylethyl)-, (-)-

Rank 4 Spectrum 31431
C.A.S 25377-73-5
Fit 0.373
C16H26O3 266 2,5-Furandione, 3-(dodecenyl)dihydro-

Rank 5 Spectrum 25170
C.A.S 6750-34-1
Fit 0.325
C15H32O 228 1-Dodecanol, 3,7,11-trimethyl-

Rank 6 Spectrum 33473
C.A.S 27696-09-9
Fit 0.325
C15H20O5 280 Spiro[7H-cycloheptal[b]furan-7,2'(5'H)-furan]-2,5'(3H)-dione, octahydro-8-hydroxy-6,8-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.beta.,7.alpha.,8.beta.,8a.alpha.)]-

Rank 7 Spectrum 31444
C.A.S 29961-54-4
Fit 0.322
C17H30O2 266 Hexadecadienoic acid, methyl ester

Rank 8 Spectrum 34701
C.A.S 1561-06-4
Fit 0.320
C17H36O3 288 1,2-Propanediol, 3-(tetradecyloxy)-

Rank 9 Spectrum 37400
C.A.S 39692-46-1
Fit 0.318
C19H32O3 308 8-Nonenoic acid, 9-(1,3-nonadienyloxy)-, methyl ester

Rank 10 Spectrum 16042
C.A.S 36903-65-8
Fit 0.318

NISTEPA Forward Library Search

TIC = 19157

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 1472

Filename: SY0:EQK09R

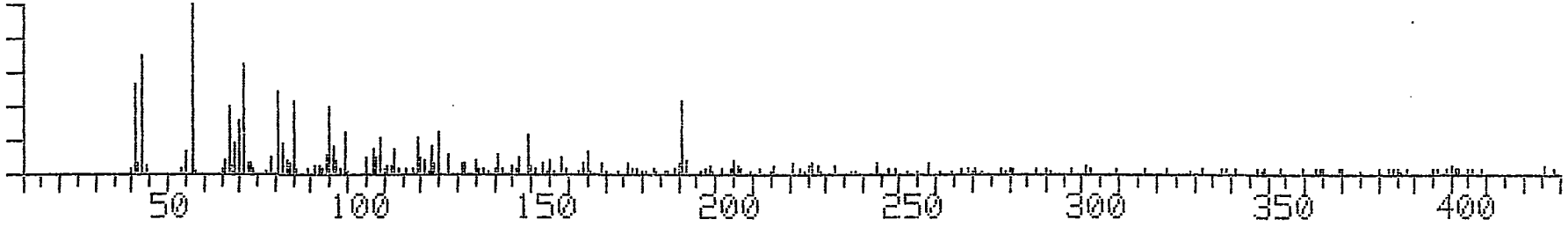
Comments:

EQK09 EXTR03

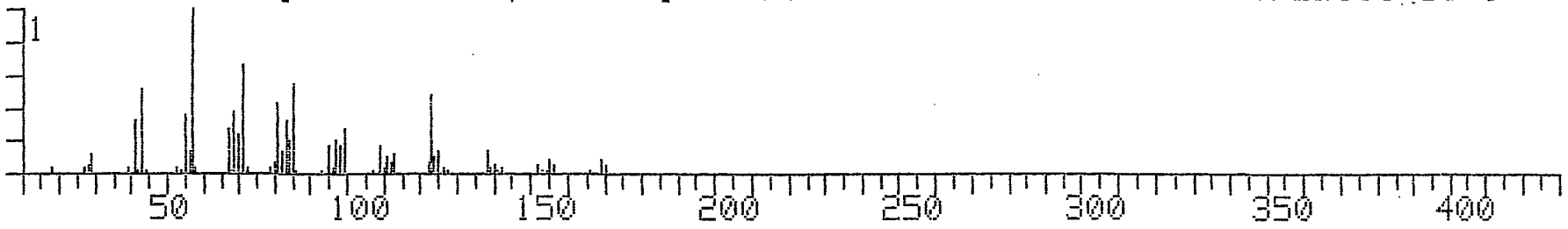
UNKNOWN HYDROCARBON

000532

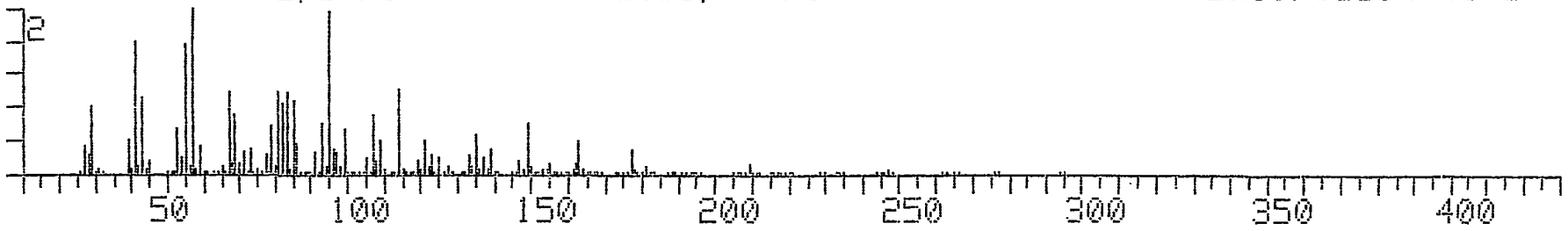
SCANS: 2863-2863 BKG * 1.00 2854



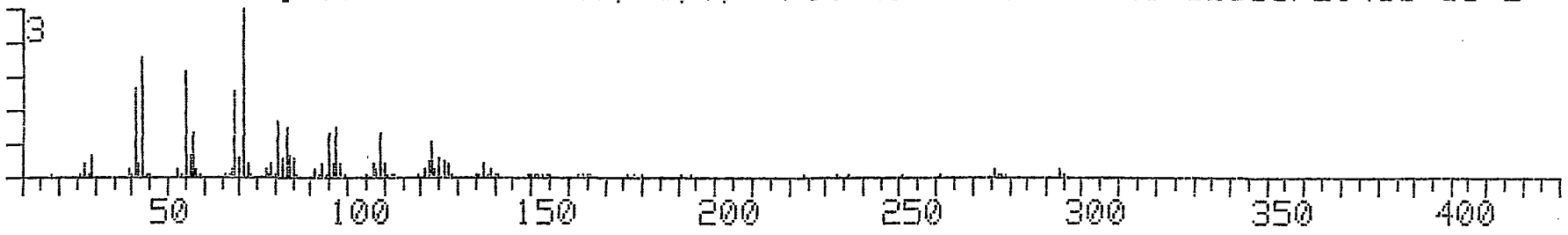
C18H36O 268 Cyclohexanol, dodecyl- Fit 0.414 SP#/CAS# 31807/55000-30-1



C18H30O3 294 2,6-Nonadienoic acid, Fit 0.405 SP#/CAS# 35501/13804-51-8



C20H40O 296 Cyclotetradecanol, 1,7, Fit 0.374 SP#/CAS# 35833/20489-83-2



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2945
Background Scans * 1.00 2940
Retention time: 25.12 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

UNKNOWN HYDROCARBON

Rank 1 Spectrum 47546
C.A.S 18296-44-1
Fit 0.435
C22H30O8 422 Valtrate

Rank 2 Spectrum 43597
C.A.S 55282-12-7
Fit 0.434
C26H54 366 Octadecane, 3-ethyl-5-(2-ethylbutyl)-

Rank 3 Spectrum 37668
C.A.S 629-97-0
Fit 0.399
C22H46 310 Docosane

Rank 4 Spectrum 44713
C.A.S 593-49-7
Fit 0.395
C27H56 380 Heptacosane

Rank 5 Spectrum 37664
C.A.S 6418-47-9
Fit 0.392
C22H46 310 Heneicosane, 3-methyl-

Rank 6 Spectrum 46264
C.A.S 78517-64-3
Fit 0.391
C21H23NO7 401 Colchifoleine

Rank 7 Spectrum 22037
C.A.S 3891-98-3
Fit 0.378
C15H32 212 Dodecane, 2,6,10-trimethyl-

Rank 8 Spectrum 46048
C.A.S 5234-53-7
Fit 0.372
C28H46O 398 5.alpha.-Cholest-8-en-3-one, 14-methyl-

Rank 9 Spectrum 43604
C.A.S 630-01-3
Fit 0.371
C26H54 366 Hexacosane

Rank 10 Spectrum 45764
C.A.S 55373-86-9
Fit 0.370
C28H58 394 Docosane, 7-hexyl-

NISTEPA Forward Library Search

TIC = 19655

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 2256

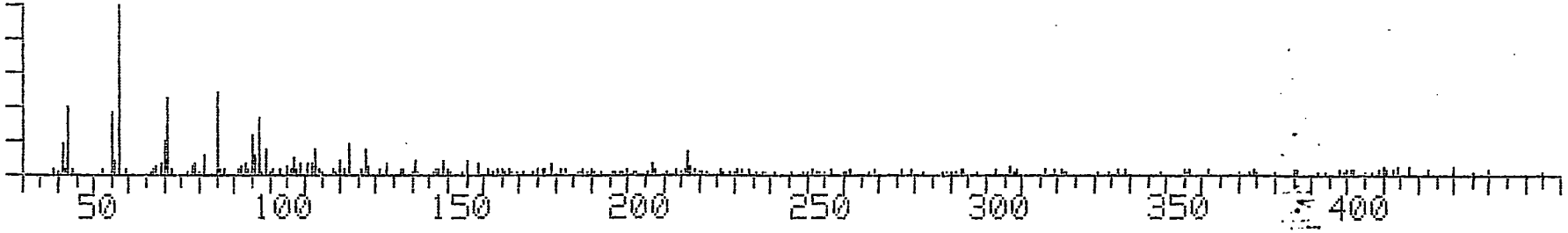
Filename: SY0:EQK09R

Comments:

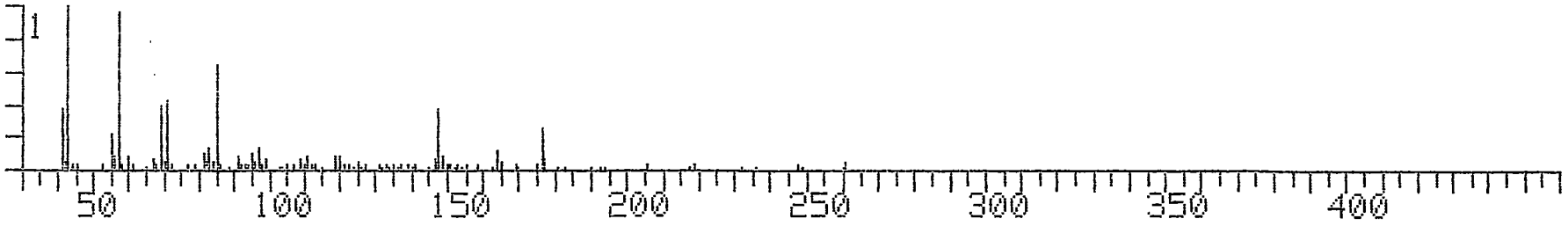
EQK09 EXTR03

UNKNOWN HYDROCARBON

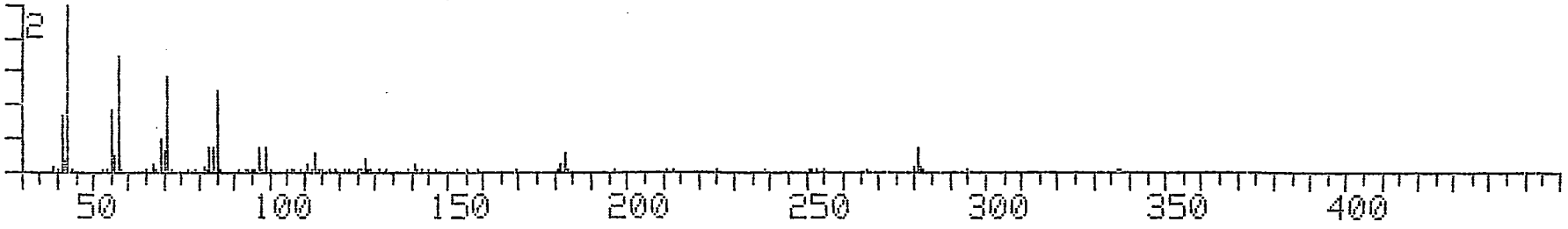
SCANS: 2945-2945 BKG * 1.00 2940



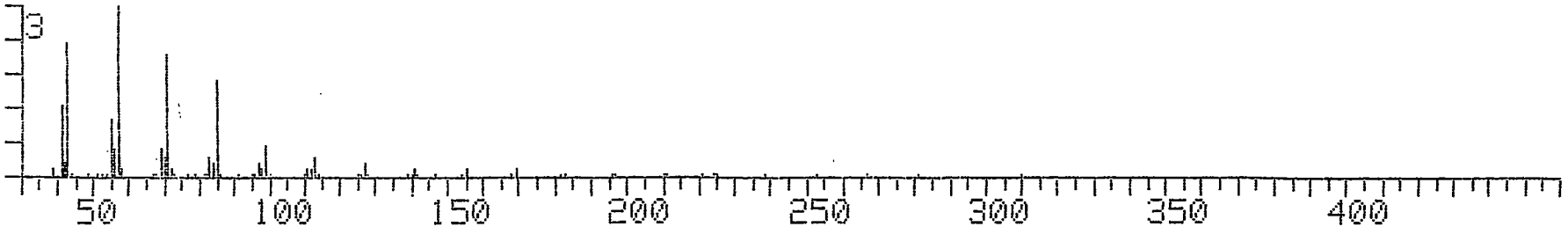
C22H3008 422 Valtrate Fit 0.435 SP#/CAS# 47546/18296-44-1



C26H54 366 Octadecane, 3-ethyl-5-(2 Fit 0.434 SP#/CAS# 43597/55282-12-7



C22H46 310 Docosane Fit 0.399 SP#/CAS# 37668/629-97-0



000534

NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 2963
Background Scans * 1.00 2956
Retention time: 25.27 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

Rank 1 Spectrum 47135
C.A.S 36441-74-4
Fit 0.593
C30H54 414 Baccharane

UNKNOWN

Rank 2 Spectrum 38183
C.A.S 39707-54-5
Fit 0.524
C21H30O2 314 1,4-Benzenediol, 2-[(decahydro-5,5,8a-trimethyl-2-methylene-1-naphthalenyl)methyl]-, [1R-(1.alpha.,4a.beta.,8a.alpha.)]-

Rank 3 Spectrum 43050
C.A.S 55334-01-5
Fit 0.489
C26H48 360 Phenanthrene, 9-dodecyltetradecahydro-

Rank 4 Spectrum 30862
C.A.S 5153-92-4
Fit 0.487
C18H30O 262 1H-Naphtho[2,1-b]pyran, 4a,5,6,6a,7,8,9,10,10a,10b-decahydro-3,4a,7,7,10a-pentamethyl-, [4aR-(4a.alpha.,6a.beta.,10a.alpha.,10b.beta.)]-

Rank 5 Spectrum 30863
C.A.S 55638-41-0
Fit 0.461
C18H30O 262 5-Octen-2-one, 6-methyl-8-(2,6,6-trimethyl-1-cyclohexen-1-yl)-

Rank 6 Spectrum 28537
C.A.S 55133-89-6
Fit 0.447
C18H32 248 Anthracene, 9-butyltetradecahydro-

Rank 7 Spectrum 45158
C.A.S 40072-53-5
Fit 0.439
C27H46O 386 Cholestan-7-one, (5.alpha.,14.beta.)-

Rank 8 Spectrum 43048
C.A.S 55401-75-7
Fit 0.423
C26H48 360 Anthracene, 9-dodecyltetradecahydro-

Rank 9 Spectrum 20772
C.A.S 62337-97-7
Fit 0.419
C15H26 206 Cyclohexane, 1,1,2-trimethyl-3,5-bis(1-methylethenyl)-, (2.alpha.,3.beta.,5.beta.)-

Rank 10 Spectrum 31391
C.A.S 5090-67-5

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:56:08

Filename: SY0:EQK09R

Comments:

EQK09 EXTR03

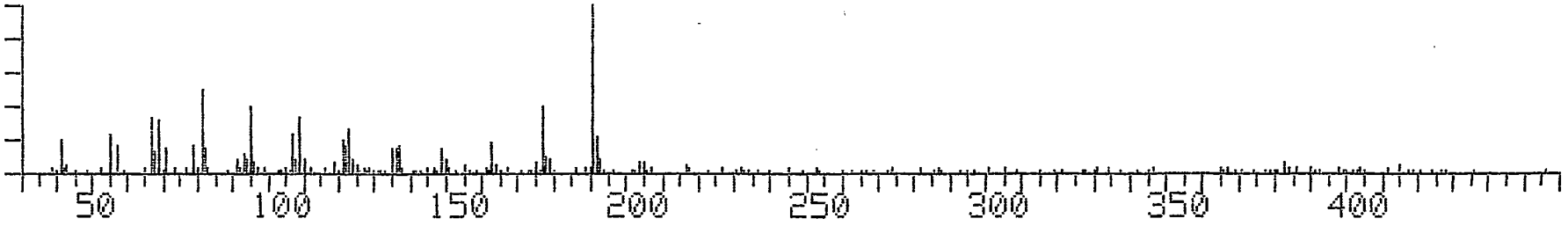
TIC = 31232

100% = 3169

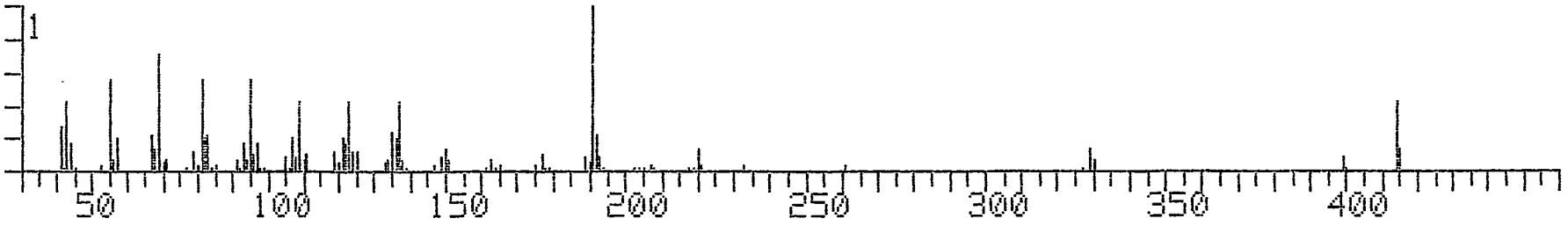
UNKNOWN

000536

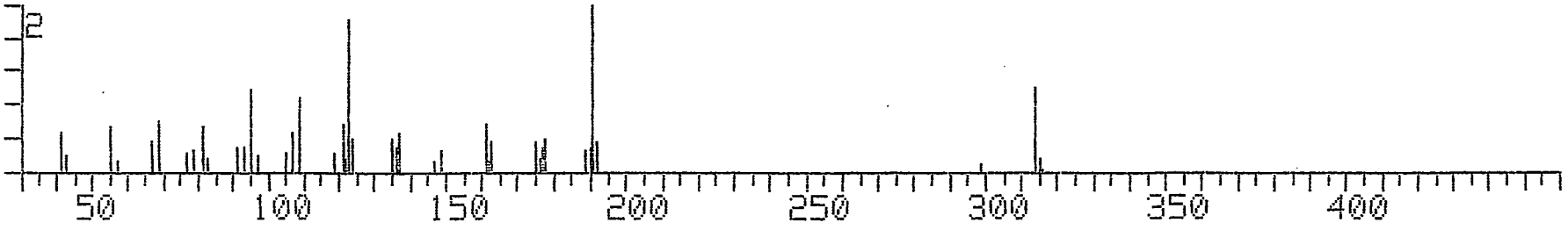
SCANS: 2963-2963 BKG * 1.00 2956



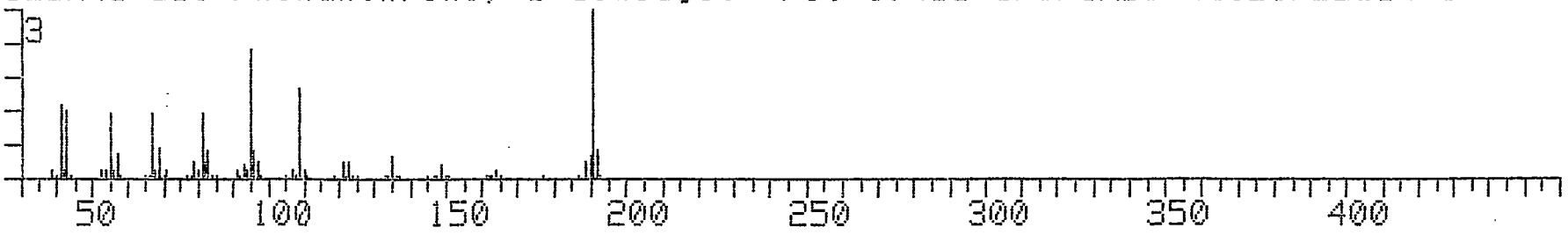
C30H54 414 Baccharane Fit 0.593 SP#/CAS# 47135/36441-74-4



C21H30O2 314 1,4-Benzenediol, 2-[(d Fit 0.524 SP#/CAS# 38183/39707-54-5



C26H48 360 Phenanthrene, 9-dodecylt Fit 0.489 SP#/CAS# 43050/55334-01-5



NISTEPA Library Search

File name: SYO:EQK09R
Comments: EQK09 EXTR03
Scan Number: 3026
Background Scans * 1.00 3017
Retention time: 25.75 min.
Date: 08-MAY-92 Time: 16:56

UNKNOWN POLYAROMATIC HYDROCARBON

Forward Search

Rank 1 Spectrum 43050
C.A.S 55334-01-5
Fit 0.569
C26H48 360 Phenanthrene, 9-dodecyltetradecahydro-

Rank 2 Spectrum 43048
C.A.S 55401-75-7
Fit 0.514
C26H48 360 Anthracene, 9-dodecyltetradecahydro-

Rank 3 Spectrum 47135
C.A.S 36441-74-4
Fit 0.494
C30H54 414 Baccharane

Rank 4 Spectrum 28537
C.A.S 55133-89-6
Fit 0.478
C18H32 248 Anthracene, 9-butyltetradecahydro-

Rank 5 Spectrum 32730
C.A.S 55255-70-4
Fit 0.457
C20H34 274 Anthracene, 9-cyclohexyltetradecahydro-

Rank 6 Spectrum 38183
C.A.S 39707-54-5
Fit 0.451
C21H30O2 314 1,4-Benzenediol, 2-[(decahydro-5,5,8a-trimethyl-2-methylene-1-naphthalenyl)methyl]-, [1R-(1.alpha.,4a.beta.,8a.alpha.)]-

Rank 7 Spectrum 45158
C.A.S 40072-53-5
Fit 0.450
C27H46O 386 Cholestan-7-one, (5.alpha.,14.beta.)-

Rank 8 Spectrum 30862
C.A.S 5153-92-4
Fit 0.422
C18H30O 262 1H-Naphtho[2,1-b]pyran, 4a,5,6,6a,7,8,9,10,10a,10b-decahydro-3,4a,7,7,10a-pentamethyl-, [4aR-(4a.alpha.,6a.beta.,10a.alpha.,10b.beta.)]-

Rank 9 Spectrum 43049
C.A.S 55334-22-0
Fit 0.421
C26H48 360 Phenanthrene, 2-dodecyltetradecahydro-

Rank 10 Spectrum 44837
C.A.S 55334-18-4
Fit 0.412
C28H46 382 9,9'-Biphenanthrene, octacosahydro-

NISTEPA Forward Library Search

TIC = 24705

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 3045

Filename: SY0:EQK09R

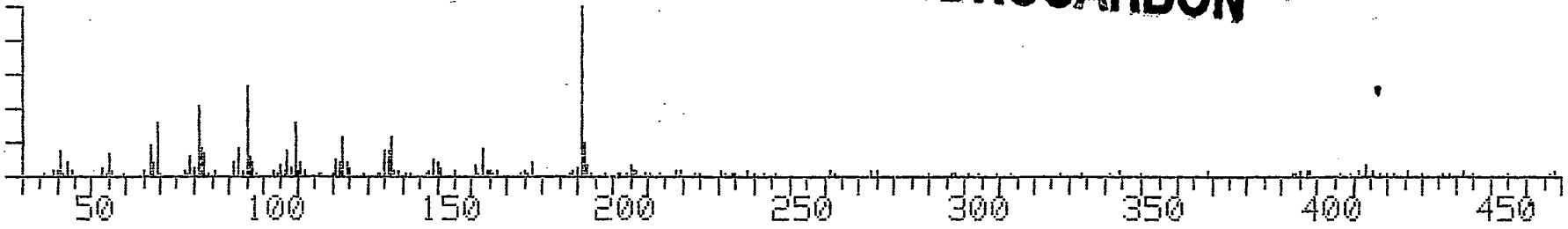
Comments:

EQK09 EXTR03

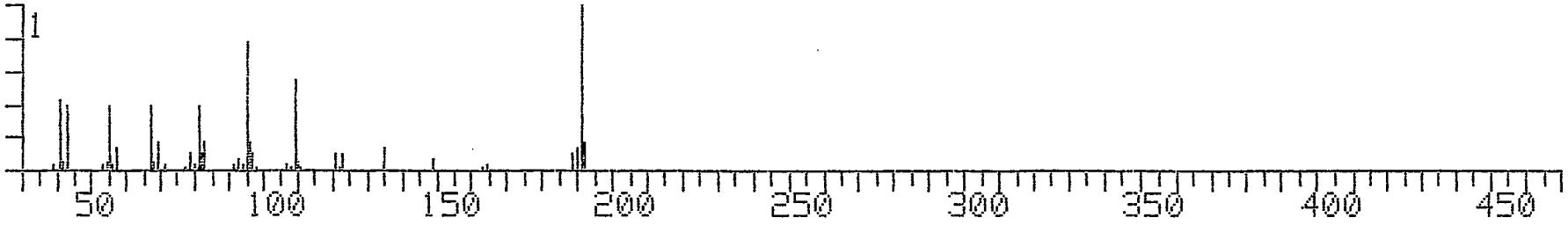
UNKNOWN POLYAROMATIC HYDROCARBON

000538

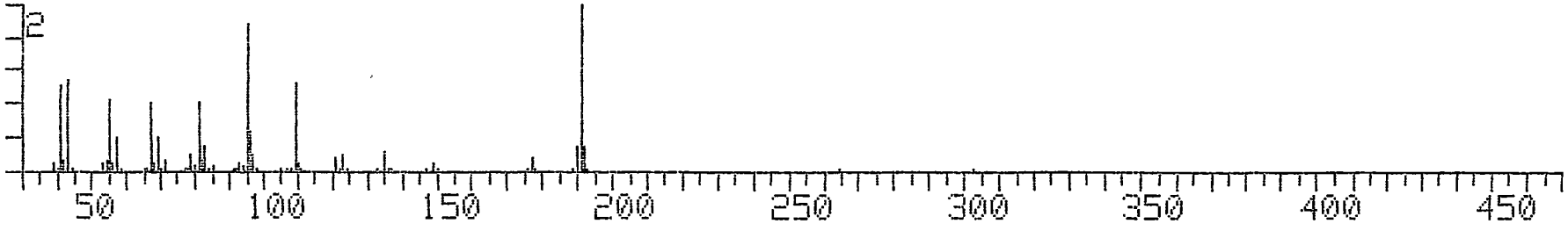
SCANS: 3026-3026 BKG * 1.00 3017



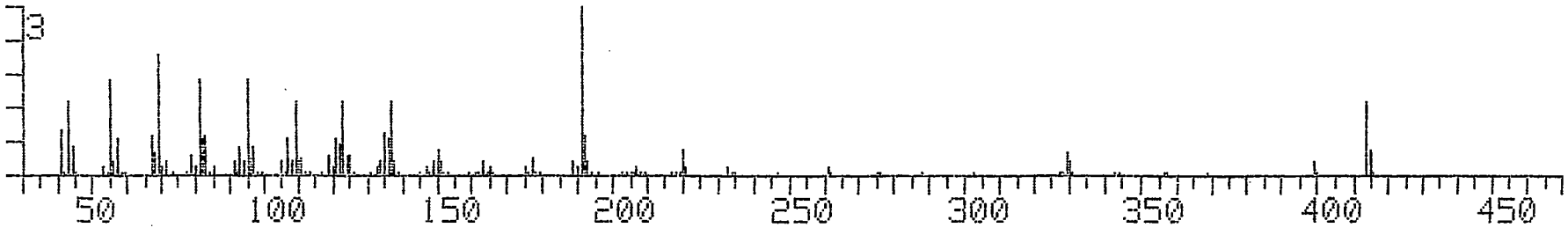
C26H48 360 Phenanthrene, 9-dodecylt Fit 0.569 SP#/CAS# 43050/55334-01-5



C26H48 360 Anthracene, 9-dodecyltet Fit 0.514 SP#/CAS# 43048/55401-75-7



C30H54 414 Baccharane Fit 0.494 SP#/CAS# 47135/36441-74-4



NISTEPA Library Search

UNKNOWN

File name: DUO:[301,4]EQK09R
Comments: EQK09 EXTR03
Scan Number: 3104
Retention time: 26.37 min.
Date: 08-MAY-92 Time: 16:56:08

Forward Search

Rank 1 Spectrum 31431
C.A.S 25377-73-5
Fit 0.616
C16H26O3 266 2,5-Furandione, 3-(dodecenyl)dihydro-

Rank 2 Spectrum 33473
C.A.S 27696-09-9
Fit 0.491
C15H20O5 280 Spiro[7H-cyclohepta[b]furan-7,2'(5'H)-furan]-2,5'(3H)-dione, octahydro-8-hydroxy-6,8-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.beta.,7.alpha.,8.beta.,8a.alpha.)]-

Rank 3 Spectrum 21588
C.A.S 3021-89-4
Fit 0.481
C14H26O 210 2-Nonenal, 2-pentyl-

Rank 4 Spectrum 31493
C.A.S 13151-92-3
Fit 0.458
C19H38 266 Tridecane 7-cyclohexyl-, 7-cyclohexyl-

Rank 5 Spectrum 33547
C.A.S 1786-12-5
Fit 0.456
C20H40 280 Cyclotetradecane, 1,7,11-trimethyl-4-(1-methylethyl)-

Rank 6 Spectrum 31444
C.A.S 29961-54-4
Fit 0.445
C17H30O2 266 Hexadecadienoic acid, methyl ester

Rank 7 Spectrum 32729
C.A.S 54482-31-4
Fit 0.443
C20H34 274 D-Homoandrostane, (5.alpha.,13.alpha.)-

Rank 8 Spectrum 25170
C.A.S 6750-34-1
Fit 0.442
C15H32O 228 1-Dodecanol, 3,7,11-trimethyl-

Rank 9 Spectrum 26849
C.A.S 13151-81-0
Fit 0.437
C17H34 238 Undecane 6-cyclohexyl-, 6-cyclohexyl-

Rank 10 Spectrum 31491
C.A.S 55044-77-4
Fit 0.436

NISTEPA Forward Library Search

Injection Date: 08-MAY-92 Time: 16:56:08

Filename: DU0:[301,4]EQK09R

Comments:

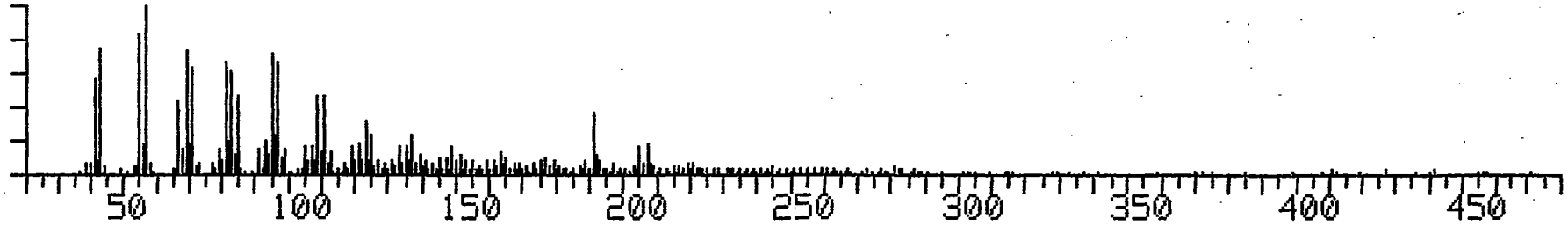
EQK09 EXTR03

TIC = 92898

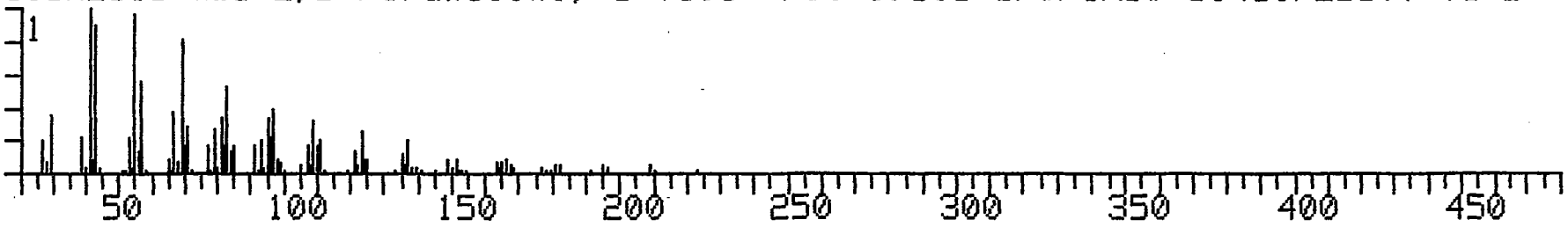
100% = 4528

UNKNOWN

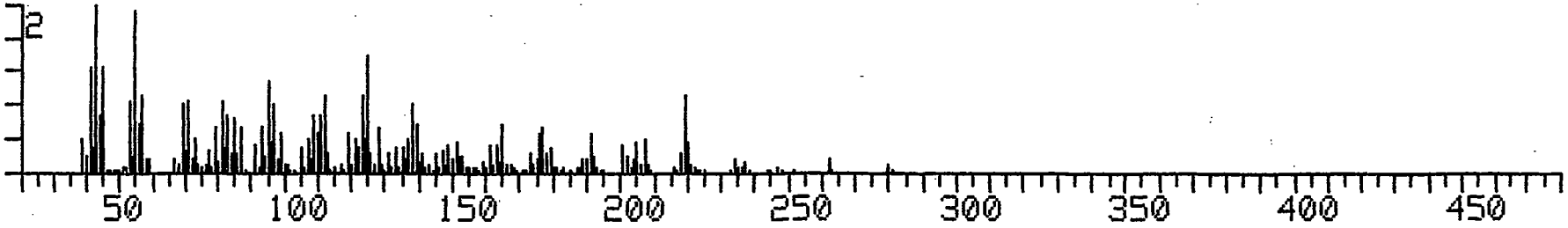
SCANS: 3104-3104 NO BACKGROUND SCANS



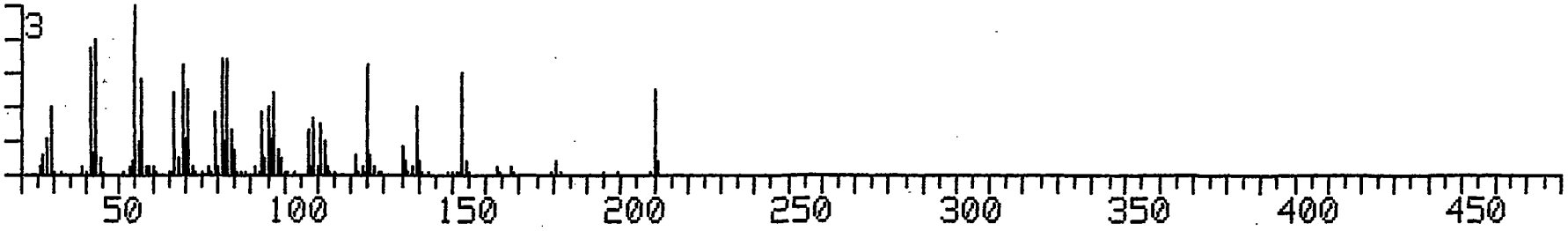
C16H2603 266 2,5-Furandione, 3-(dod Fit 0.616 SP#/CAS# 31431/25377-73-5



C15H2005 280 Spiro[7H-cyclohepta[b] Fit 0.491 SP#/CAS# 33473/27696-09-9



C14H260 210 2-Nonenal, 2-pentyl- Fit 0.481 SP#/CAS# 21588/3021-89-4



C19H38 266 Cyclopentane, (2-hexyloctyl)-

000540

NISTEPA Library Search

File name: DUO:[301,4]EQK09R
Comments: EQK09 EXTR03
Scan Number: 3114
Retention time: 26.45 min.
Date: 08-MAY-92 Time: 16:56:08

UNKNOWN

Forward Search

Rank 1 Spectrum 31431
C.A.S 25377-73-5
Fit 0.551
C16H2603 266 2,5-Furandione, 3-(dodecenyl)dihydro-

Rank 2 Spectrum 47126
C.A.S 2097-85-0
Fit 0.501
C29H500 414 Cholestan-3-one, 4,4-dimethyl-, (5.alpha.)-

Rank 3 Spectrum 44314
C.A.S 55282-68-3
Fit 0.500
C27H50 374 1,1':3',1''-Tercyclopentane, 2'-dodecyl-

Rank 4 Spectrum 47822
C.A.S 17947-04-5
Fit 0.499
C30H500 426 D:A-Friedooleanan-2-one

Rank 5 Spectrum 49059
C.A.S 10005-96-6
Fit 0.497
C25H3807 450 Androstane-17-carboxylic acid, 3,11-bis(acetyloxy)-12-hyd
roxy-, methyl ester, (3.beta.,5.alpha.,11.alpha.,12.beta.,17.beta.)-

Rank 6 Spectrum 49242
C.A.S 4651-46-1
Fit 0.492
C31H5002 454 Stigmasta-7,22-dien-3-ol, acetate, (3.beta.,5.alpha.,22E)
-

Rank 7 Spectrum 51755
C.A.S 540-05-6
Fit 0.492
C40H62 542 .Psi.,.psi.-Carotene, 7,7',8,8',11,12-hexahydro-

Rank 8 Spectrum 33473
C.A.S 27696-09-9
Fit 0.472
C15H2005 280 Spiro[7H-cyclohepta[b]furan-7,2'(5'H)-furan]-2,5'(3H)-dio
ne, octahydro-8-hydroxy-6,8-dimethyl-3-methylene-, [3aS-(3a.alpha.,6.b
eta.,7.alpha.,8.beta.,8a.alpha.)]-

Rank 9 Spectrum 51540
C.A.S 3687-45-4
Fit 0.464
C36H6802 532 9-Octadecenoic acid (Z)-, 9-octadecenyl ester, (Z)-

Rank 10 Spectrum 43226

NISTEPA Forward Library Search

TIC = 87623

Injection Date: 08-MAY-92 Time: 16:56:08

100% = 4128

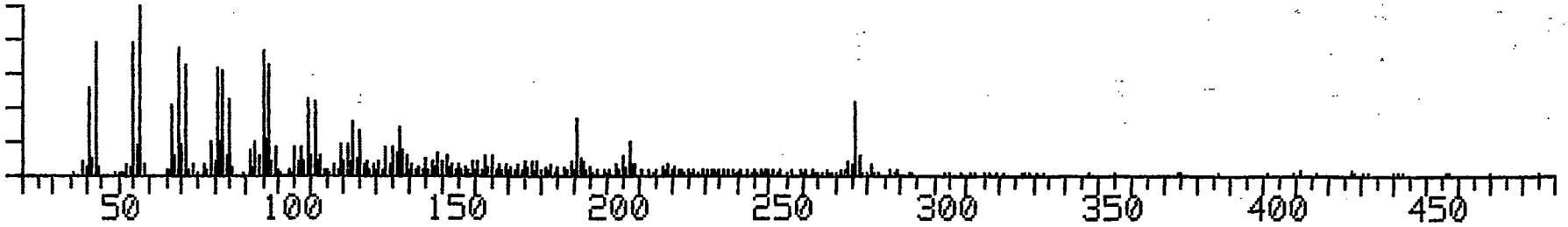
Filename: DU0:[301,4]EQK09R

Comments:

EQK09 EXTR03

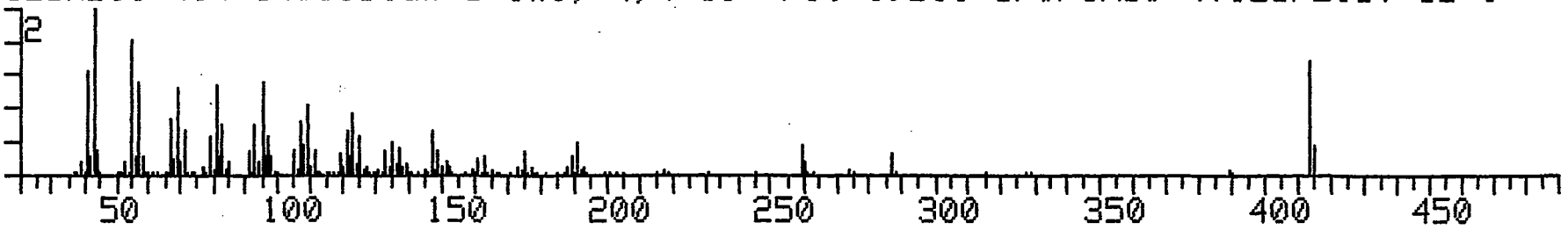
UNKNOWN

SCANS: 3114-3114 NO BACKGROUND SCANS

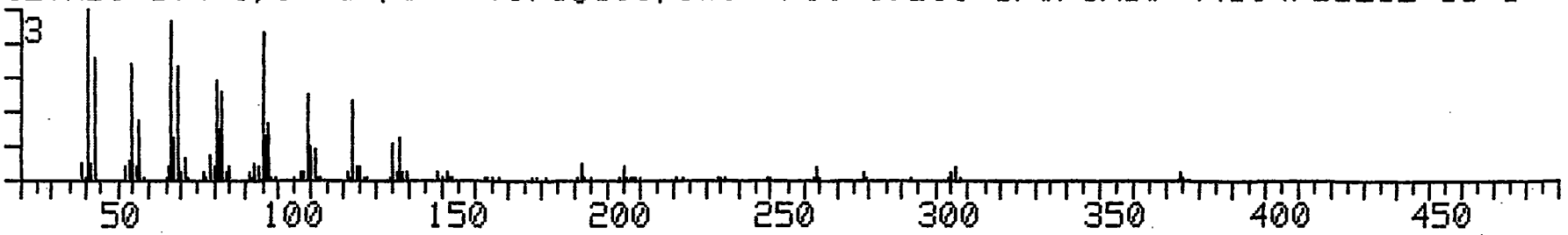


C16H2603 266 2,5-Furandione, 3-(dod Fit 0.551 SP#/CAS# 31431/25377-73-5

C29H500 414 Cholestan-3-one, 4,4-di Fit 0.501 SP#/CAS# 47126/2097-85-0



C27H50 374 1,1':3',1''-Tercyclopent Fit 0.500 SP#/CAS# 44314/55282-68-3

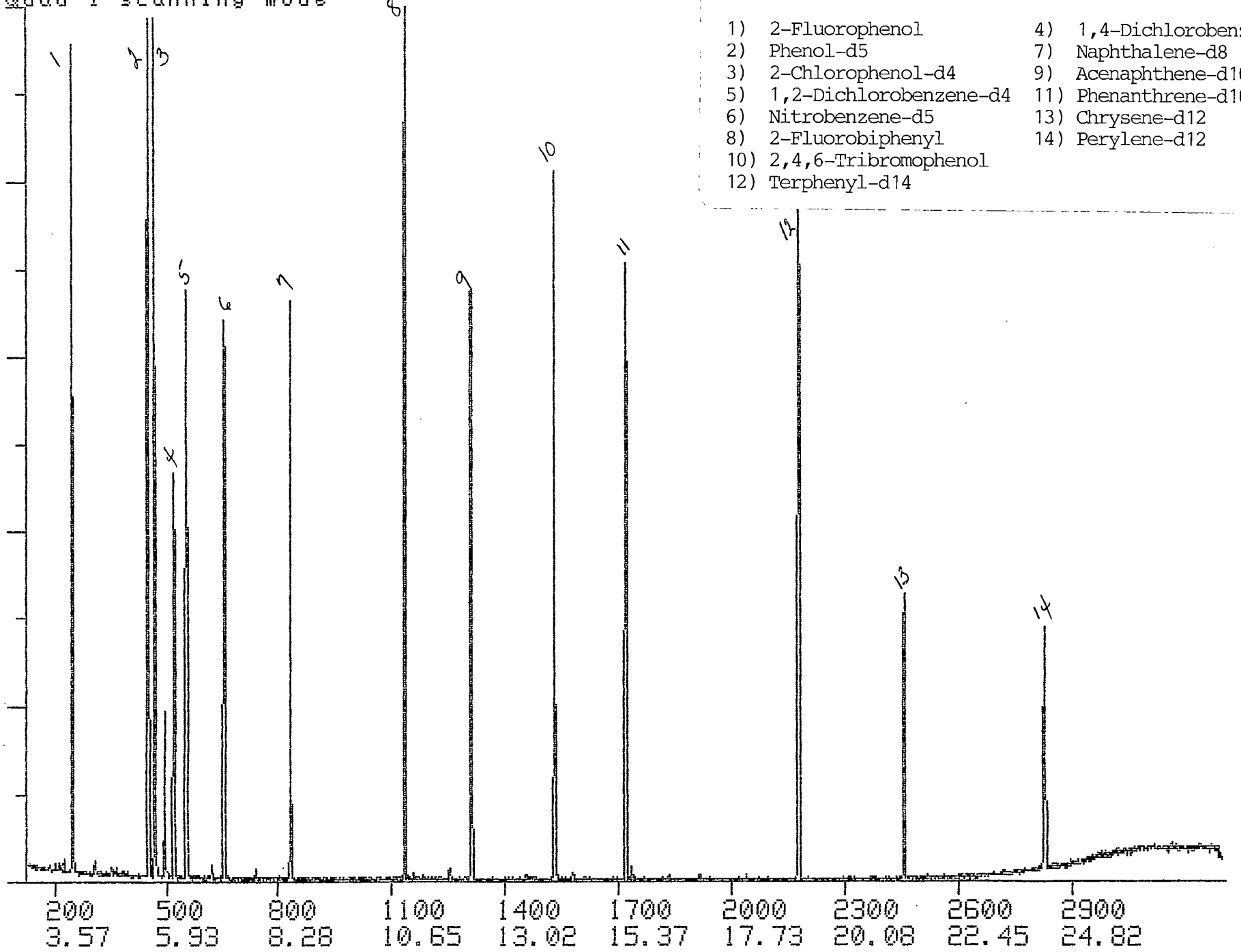


C.A.S 55334-10-6
Fit 0.464
C26H50 362 Pentalene, octahydro-2-(1-methylheptadecyl)-

000542

SY0:EQK26 EQK26 EXTR03 100%
07-MAY-92 12:37:03 109866
Total Ion Current
Quad 1 scanning mode

Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	



000546

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 4/30	I.S. AREAS OK
EXTREL3 OP= JW	INITIAL AMT. = 1L	SURR REC.'S OK
DUO:[301,3]	EXT VOL. = 1mL	DILUTION= ST

Library used: SYO:CLP90
Data file name: SYO:EQK26
Injection time: 07-MAY-92 12:37:03
Comments:
EQK26 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

EXTREL 3

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	519					STD	0.92	40.0	NG
2S	8.57	835					STD	0.94	40.0	NG
3S	12.30	1310					STD	1.00	40.0	NG
4S	15.53	1720					STD	0.96	40.0	NG
5S	21.33	2458					STD	0.92	40.0	NG
6S	24.23	2827					STD	1.00	40.0	NG
1T	Was Not Found									
2T	Was Not Found									
3T	Was Not Found									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	Was Not Found									
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
19T	Was Not Found									
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found									
23T	Was Not Found									
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	Was Not Found									
32T	Was Not Found									
33T	Was Not Found									
34T	Was Not Found									
35T	Was Not Found									
36T	Was Not Found									
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
~~43T~~	~~14.03~~	~~1531~~	~~169. / 188.~~	~~917. /~~	~~117278.~~	~~4~~	~~0.52~~	~~0.8~~	~~NG~~
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	Was Not Found									
48T	Was Not Found									
49T	Was Not Found									
~~50T~~	~~17.07~~	~~1715~~	~~149. / 188.~~	~~1163. /~~	~~117278.~~	~~4~~	~~0.61~~	~~0.4~~	~~NG~~

EXTREL 3

51T	Was Not Found								
52T	Was Not Found								
53T	Was Not Found								
54T	Was Not Found								
55T	Was Not Found								
56T	Was Not Found								
57T	Was Not Found								
58T	Was Not Found								
59T	Was Not Found								
60T	Was Not Found								
61T	Was Not Found								
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	7.15	655	82. / 136.	87298. /	121004.	2	1.00	88.4	NG
66T	10.93	1136	172. / 164.	142516. /	68663.	3	0.93	83.5	NG
67T	19.15	2180	244. / 240.	129370. /	53639.	5	1.00	138.2	NG
68T	5.55	451	99. / 152.	143694. /	27349.	1	0.76	118.1	NG
69T	3.92	245	112. / 152.	103238. /	27349.	1	0.96	114.2	NG
70T	14.03	1530	330. / 164.	31625. /	68663.	3	0.82	174.4	NG
71T	5.67	467	132. / 152.	103674. /	27349.	1	0.88	137.3	NG
72T	6.35	553	152. / 152.	39127. /	27349.	1	0.85	72.0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	~~11.12~~	~~1159~~	~~154. / 164.~~	~~833. /~~	~~68663.~~	~~3~~	~~0.81~~	~~103.2~~	~~NG~~
80T	Was Not Found								
81T	6.08	519	152. / 152.	27349. /	27349.	1	0.92	50.0	NG
82T	8.57	835	136. / 136.	121004. /	121004.	2	0.94	50.0	NG
83T	12.30	1310	164. / 164.	68663. /	68663.	3	0.90	50.0	NG
84T	15.53	1720	188. / 188.	117298. /	117298.	4	0.96	50.0	NG
85T	21.33	2458	240. / 240.	53639. /	53639.	5	0.92	50.0	NG
86T	24.23	2827	264. / 264.	47863. /	47863.	6	1.00	50.0	NG

TH 5/19/92

Extended Quantitation Report

EXTREL 3

Library used: SYO:CLP90
Data file name: SYO:EQK26
Injection time: 07-MAY-92 12:37:03

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
43T	0.903	169. / 188.	0.406	0.8	IA	BB	RF			1.00
50T	1.099	149. / 188.	0.942	0.4	IA	BB	RF			1.00
65T	0.834	82. / 136.	0.327	88.4	IA	BB	RF			1.00
66T	0.889	172. / 164.	0.994	83.5	IA	BB	RF			1.00
67T	0.898	244. / 240.	0.698	138.2	IA	BB	RF			1.00
68T	0.913	99. / 152.	1.779	118.1	IA	BV	RF			1.00
69T	0.645	112. / 152.	1.323	114.2	IA	BB	RF			1.00
70T	1.141	330. / 164.	0.106	174.4	IA	BB	RF			1.00
71T	0.933	132. / 152.	1.104	137.3	IA	BB	RF			1.00
72T	1.044	152. / 152.	0.795	72.0	IA	VB	RF			1.00
79T	0.904	154. / 164.	0.005	103.2	IA	VB	RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA	VV	RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA	BB	RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA	BB	RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA	BV	RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA	BB	RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA	BB	RF			1.00

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK26
Injection date: 07-MAY-92 12:37:03

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	493	5.87	BB	-5	15	75115.	1.76	17.28	1

TIC areas for associated internal standards:

Std.	Area	Conc.
1	173840.	40.

NISTEPA Library Search

File name: SYO:EQK26
Comments: EQK26 EXTRO3
Scan Number: 493
Background Scans * 1.00 488
Retention time: 5.87 min.
Date: 07-MAY-92 Time: 12:37:03

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.664
C6H1403 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.657
C8H1803 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.576
C8H1804 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.545
C8H1604 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3102
C.A.S 29006-02-8
Fit 0.473
C5H1003 118 Butanoic acid, 4-methoxy-

Rank 6 Spectrum 3140
C.A.S 3944-36-3
Fit 0.461
C6H1402 118 2-Propanol, 1-(1-methylethoxy)-

Rank 7 Spectrum 3147
C.A.S 1569-01-3
Fit 0.451
C6H1402 118 2-Propanol, 1-propoxy-

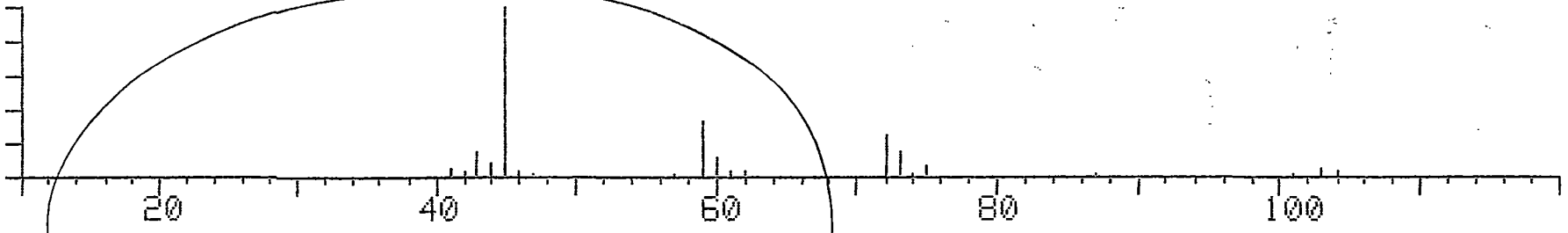
Rank 8 Spectrum 11070
C.A.S 10143-32-5
Fit 0.414
C8H1803 162 2-Propanol, 1-(2-ethoxypropoxy)-

Rank 9 Spectrum 14212
C.A.S 294-93-9
Fit 0.382
C8H1604 176 12-CROWN-4

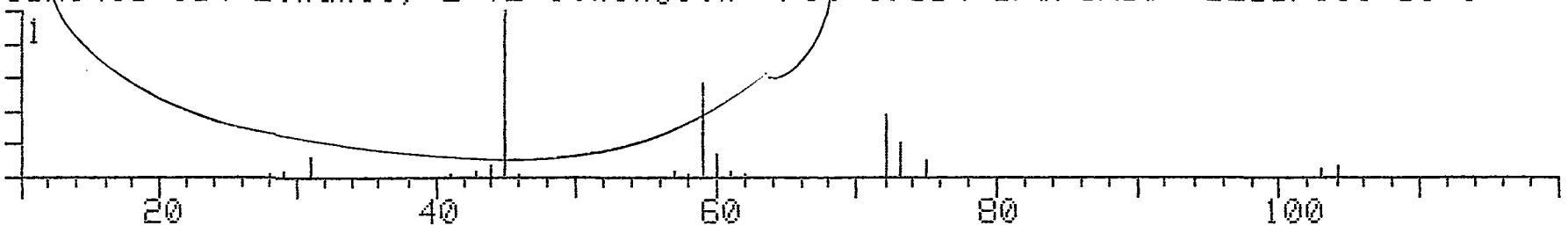
Rank 10 Spectrum 1725
C.A.S 19089-47-5
Fit 0.375
C5H1202 104 1-Propanol, 2-ethoxy-

NISTEPA Forward Library Search TIC = 20669
Injection Date: 07-MAY-92 Time: 12:37:03 100% = 8608
Filename: SY0:EQK26
Comments:
EQK26 EXTR03

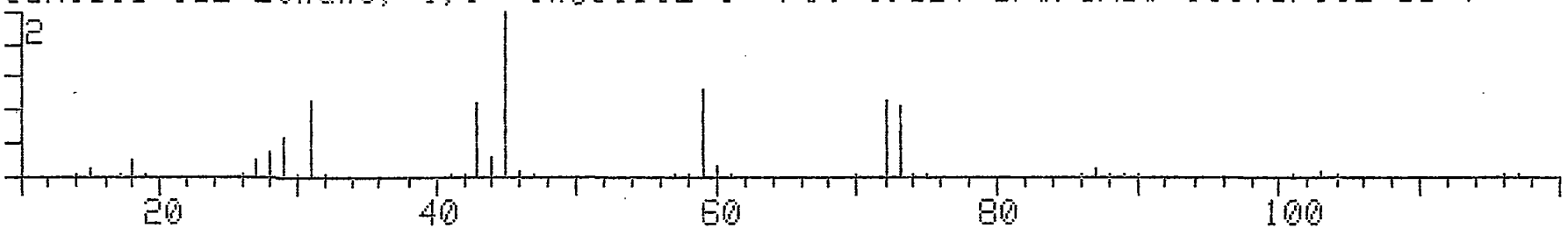
SCANS: 493-493 BKG * 1.00 488



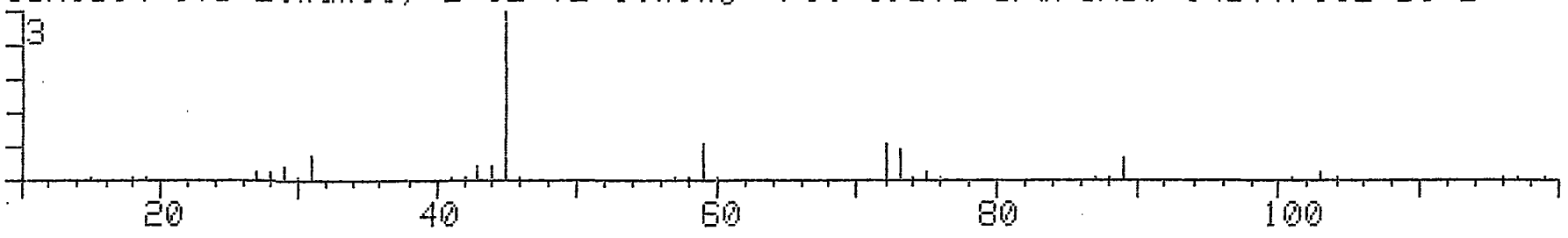
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.664 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.657 SP#/CAS# 11076/112-36-7



C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.576 SP#/CAS# 14577/112-50-5



000554

SY0:EQK27 EQK27 EXTR03

07-MAY-92 14:22:12

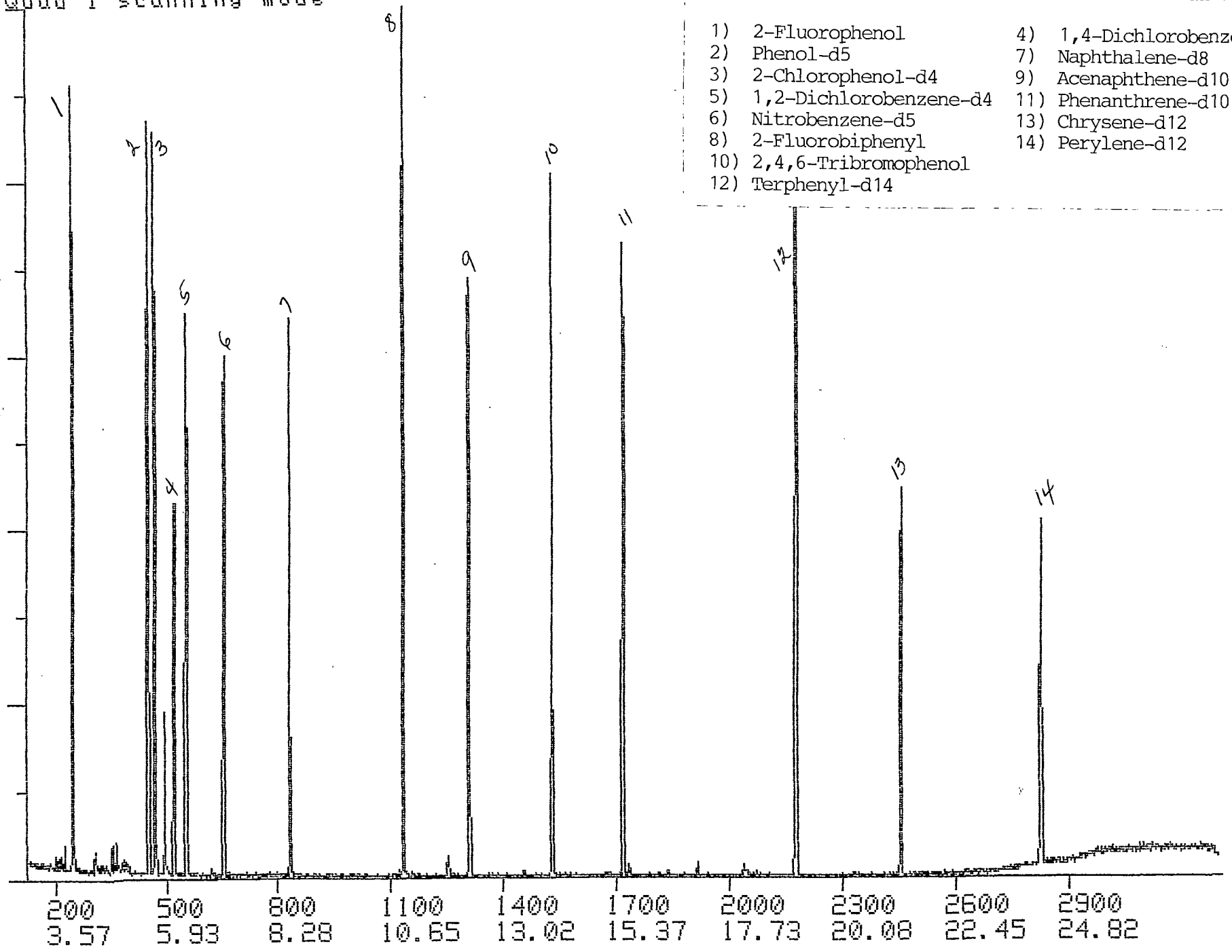
Total Ion Current

Quad 1 scanning mode

100%

108443

Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	



000558

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 4/30	I.S. AREAS OK
EXTREL3 OP=JA	INITIAL AMT. = 1L	SURR REC.'S OK
DUO: [301,3]	EXT VOL. = 1mL	DILUTION= ST

Library used: SYO:CLP90
Data file name: SYO:EQK27
Injection time: 07-MAY-92 14:22:12
Comments:
EQK27 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

EXTREL 3

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	519					STD	0.92	40.0	NG
2S	8.57	835					STD	0.94	40.0	NG
3S	12.32	1311					STD	1.00	40.0	NG
4S	15.53	1720					STD	0.96	40.0	NG
5S	21.33	2458					STD	0.92	40.0	NG
6S	24.23	2827					STD	1.00	40.0	NG
1T	Was Not Found									
2T	Was Not Found									
3T	Was Not Found									
4T	Was Not Found									
5T	Was Not Found									
6T	Was Not Found									
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	Was Not Found									
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	Was Not Found									
19T	Was Not Found									
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found									
23T	Was Not Found									
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	Was Not Found									
32T	Was Not Found									
33T	Was Not Found									
34T	Was Not Found									
35T	Was Not Found									
36T	Was Not Found									
37T	Was Not Found									
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
~~43T~~	~~14.03~~	~~1530~~	~~169. / 188.~~	~~1032. /~~	~~124860.~~	~~4~~	~~0.52~~	~~0.8~~	~~NG~~	
44T	Was Not Found									
45T	Was Not Found									
46T	Was Not Found									
47T	Was Not Found									
48T	Was Not Found									
49T	Was Not Found									
50T	17.07	1916	149. / 188.	3553. /	124860.	4	0.77	1.2	NG	

TLH 5/19/92

51T	Was Not Found									
52T	Was Not Found									
53T	Was Not Found									
54T	Was Not Found									
55T	Was Not Found									
56T	Was Not Found									
57T	Was Not Found									
58T	Was Not Found									
59T	Was Not Found									
60T	Was Not Found									
61T	Was Not Found									
62T	Was Not Found									
63T	Was Not Found									
64T	Was Not Found									
65T	7.15	656	82. /	136.	78664. /	117140.	2	0.93	82.3	NG
66T	10.93	1137	172. /	164.	142506. /	67252.	3	0.93	85.2	NG
67T	19.15	2180	244. /	240.	150991. /	80625.	5	1.00	107.3	NG
68T	5.55	451	99. /	152.	123716. /	25530.	1	0.81	109.0	NG
69T	3.93	246	112. /	152.	86508. /	25530.	1	0.96	102.5	NG
70T	14.03	1530	330. /	164.	32519. /	67252.	3	0.82	183.1	NG
71T	5.67	467	132. /	152.	92528. /	25530.	1	0.79	131.3	NG
72T	6.35	553	152. /	152.	38687. /	25530.	1	0.92	76.3	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
~~79T~~	~~11.13~~	~~1161~~	~~154. /~~	~~164.~~	~~726. /~~	~~67252.~~	~~3~~	~~0.61~~	~~91.9~~	~~NG~~
80T	Was Not Found									
81T	6.~~35~~08	~~553~~ 20	152. /	152.	~~38687.~~ /	25530.	1	0.96	75.8	NG
82T	8.57	835	136. /	136.	117140. /	117140.	2	0.94	50.0	NG
83T	12.32	1311	164. /	164.	67252. /	67252.	3	0.90	50.0	NG
84T	15.53	1720	188. /	188.	124860. /	124860.	4	0.96	50.0	NG
85T	21.33	2458	240. /	240.	80625. /	80625.	5	0.92	50.0	NG
86T	24.23	2827	264. /	264.	75057. /	75057.	6	1.00	50.0	NG

TH 5/19/92

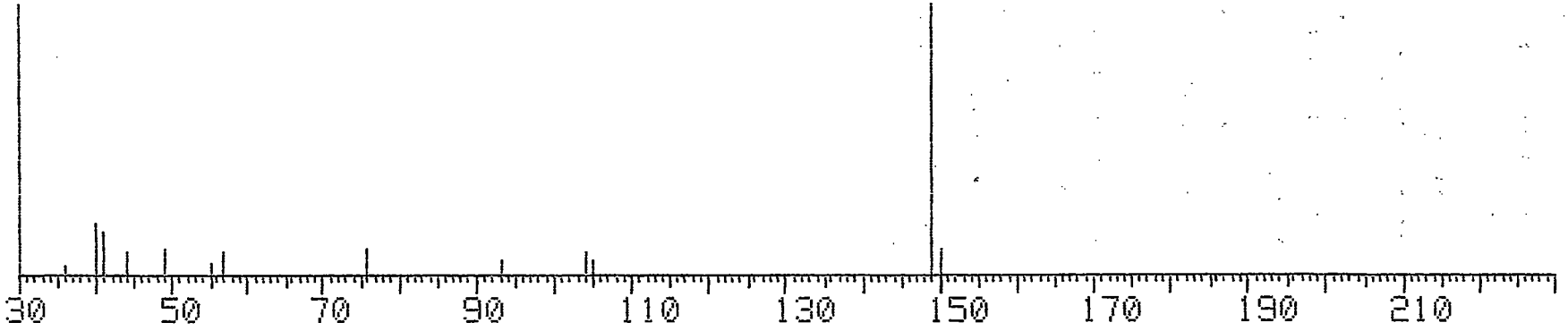
Extended Quantitation Report

EXTREL 3

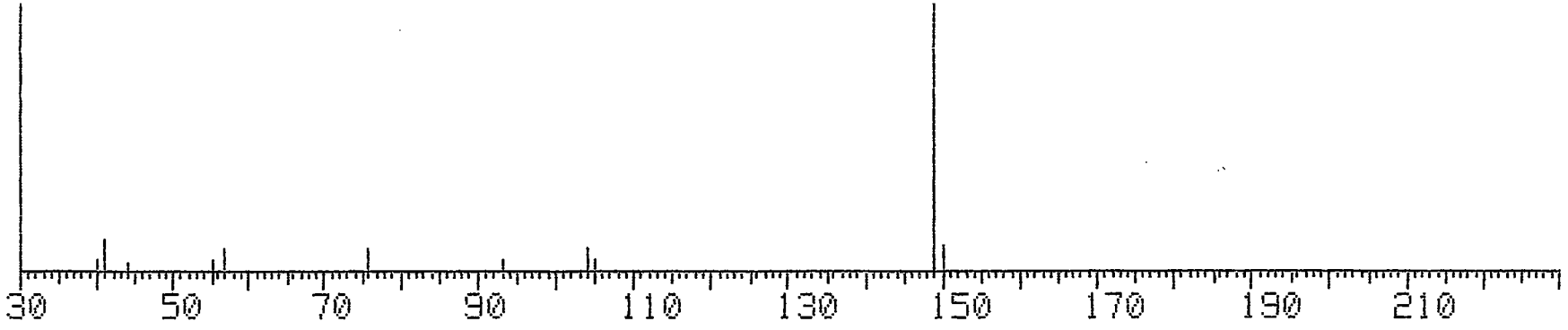
Library used: SYO:CLP90
Data file name: SYO:EQK27
Injection time: 07-MAY-92 14:22:12

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
43T	0.903	169. / 188.	0.406	0.8	IA BB RF			1.00
50T	1.099	149. / 188.	0.942	1.2	IA BB RF			1.00
65T	0.834	82. / 136.	0.327	82.3	IA BB RF			1.00
66T	0.887	172. / 164.	0.994	85.2	IA BB RF			1.00
67T	0.898	244. / 240.	0.698	107.3	IA BB RF			1.00
68T	0.913	99. / 152.	1.779	109.0	IA BV RF			1.00
69T	0.646	112. / 152.	1.323	102.5	IA BB RF			1.00
70T	1.139	330. / 164.	0.106	183.1	IA BB RF			1.00
71T	0.933	132. / 152.	1.104	131.3	IA BB RF			1.00
72T	1.044	152. / 152.	0.795	76.3	IA VB RF			1.00
79T	0.903	154. / 164.	0.005	91.9	IA VB RF			1.00
81T	1.044	152. / 152.	0.800	75.8	IA VB RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BV RF			1.00

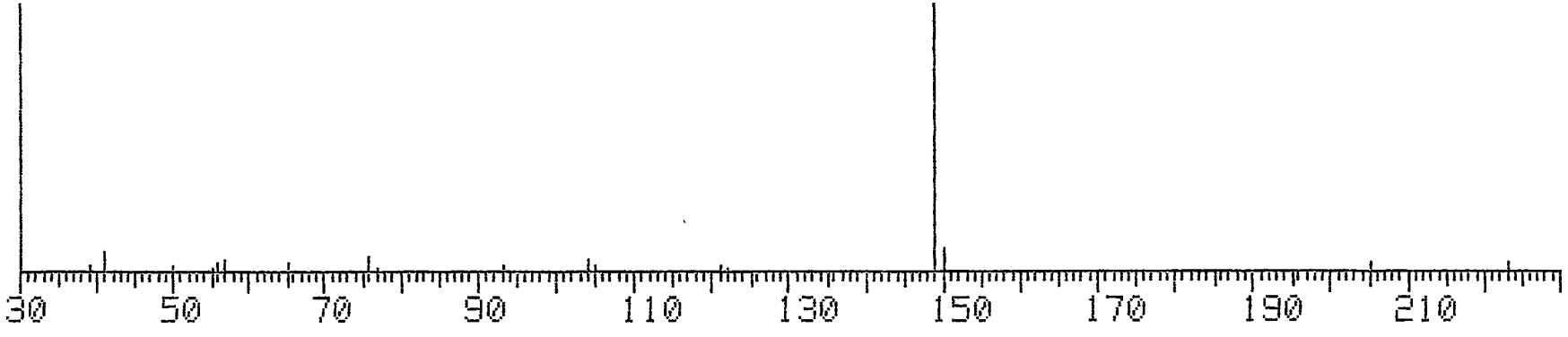
SY0:EQK27 EQK27 EXTR03 Total
07-MAY-92 14:22:12 Scan 1916 Time 17.07 min. 1894
100 % = 939



SY0:EQK27 EQK27 EXTR03 Total
07-MAY-92 14:22:12 Scan 1916 Time 17.07 min. 1553
Bkg scan = 1910 100 % = 939



Standard Reference Spectrum: Di-n-butylphthalate



000564

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK27
Injection date: 07-MAY-92 14:22:12

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	~~304~~	~~4.38~~	~~BV~~	~~-4~~	~~27~~	~~20670.~~	~~0.48~~	~~4.94~~	1
2	494	5.88	BB	-8	12	70822.	1.65	16.94	1

TIC areas for associated internal standards:

Std.	Area	Conc.
1	167257.	40.

TH 6/3/92

NISTEPA Library Search

File name: SYO:EQK27
Comments: EQK27 EXTR03
Scan Number: 494
Background Scans * 1.00 486
Retention time: 5.88 min.
Date: 07-MAY-92 Time: 14:22:12

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.655
C6H1403 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.649
C8H1803 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.572
C8H1804 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.554
C8H1604 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3147
C.A.S 1569-01-3
Fit 0.451
C6H1402 118 2-Propanol, 1-propoxy-

Rank 6 Spectrum 3102
C.A.S 29006-02-8
Fit 0.443
C5H1003 118 Butanoic acid, 4-methoxy-

Rank 7 Spectrum 3140
C.A.S 3944-36-3
Fit 0.431
C6H1402 118 2-Propanol, 1-(1-methylethoxy)-

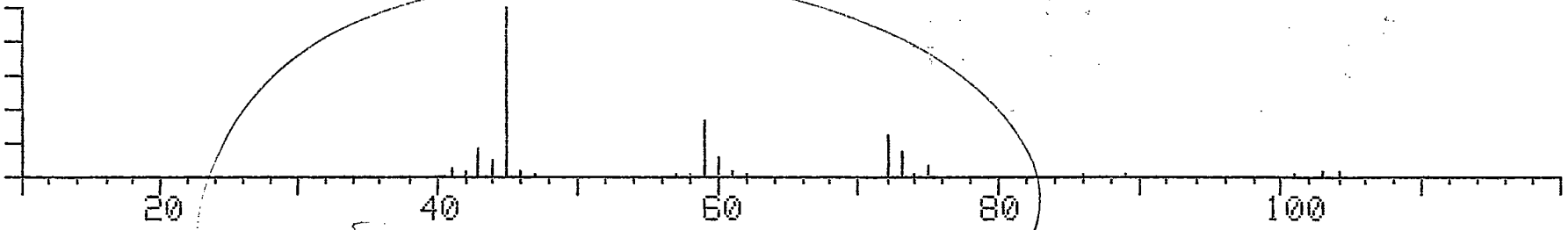
Rank 8 Spectrum 1725
C.A.S 19089-47-5
Fit 0.419
C5H1202 104 1-Propanol, 2-ethoxy-

Rank 9 Spectrum 11070
C.A.S 10143-32-5
Fit 0.407
C8H1803 162 2-Propanol, 1-(2-ethoxypropoxy)-

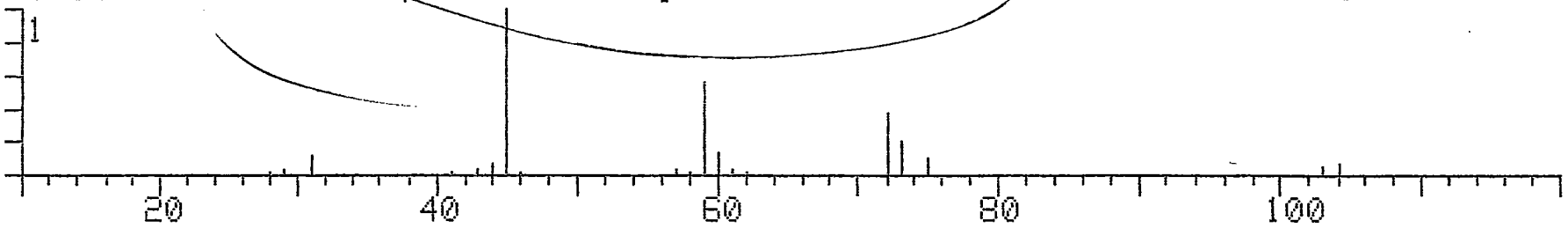
Rank 10 Spectrum 3294
C.A.S 74498-88-7
Fit 0.384
C5H1203 120 Ethane, 1-methoxy-2-(methoxymethoxy)-

NISTEPA Forward Library Search TIC = 19894
Injection Date: 07-MAY-92 Time: 14:22:12 100% = 8288
Filename: SY0:EQK27
Comments:
EQK27 EXTR03

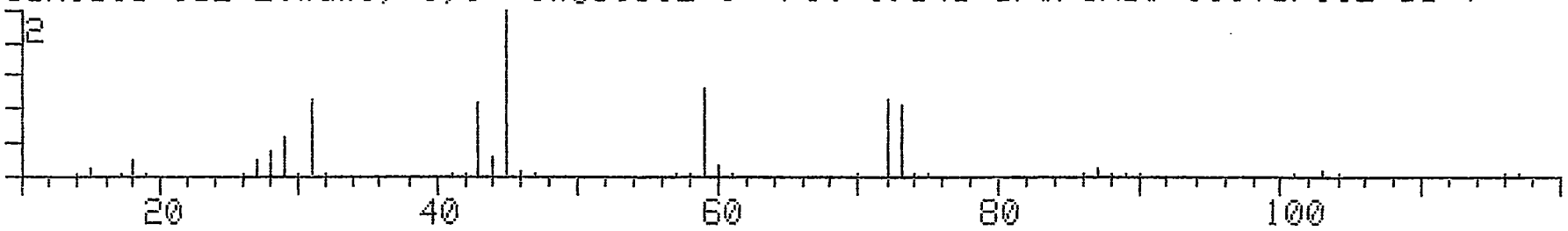
SCANS: 494-494 BKG * 1.00 486



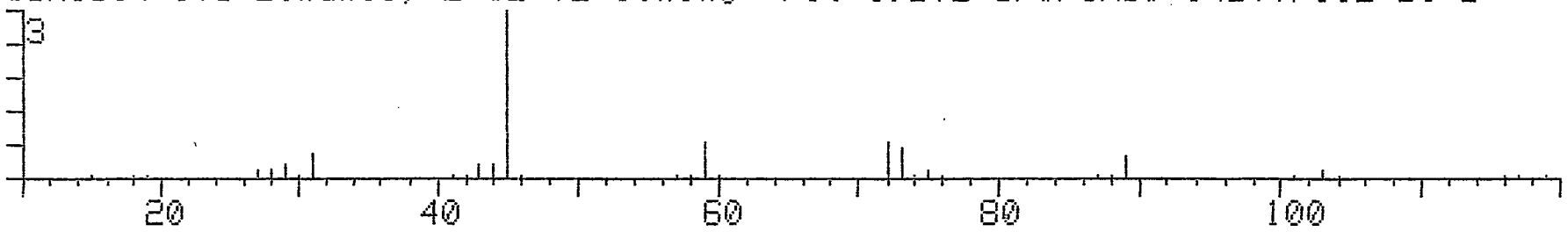
C6H14O3 134 Ethanol, 2-(2-ethoxyeth Fit 0.655 SP#/CAS# 5298/111-90-0



C8H18O3 162 Ethane, 1,1'-oxybis[2-e Fit 0.649 SP#/CAS# 11076/112-36-7



C8H18O4 178 Ethanol, 2-[2-(2-ethoxy Fit 0.572 SP#/CAS# 14577/112-50-5



000567

SY0:EQK28 EQK28 EXTR03

07-MAY-92 14:57:51

Total Ion Current

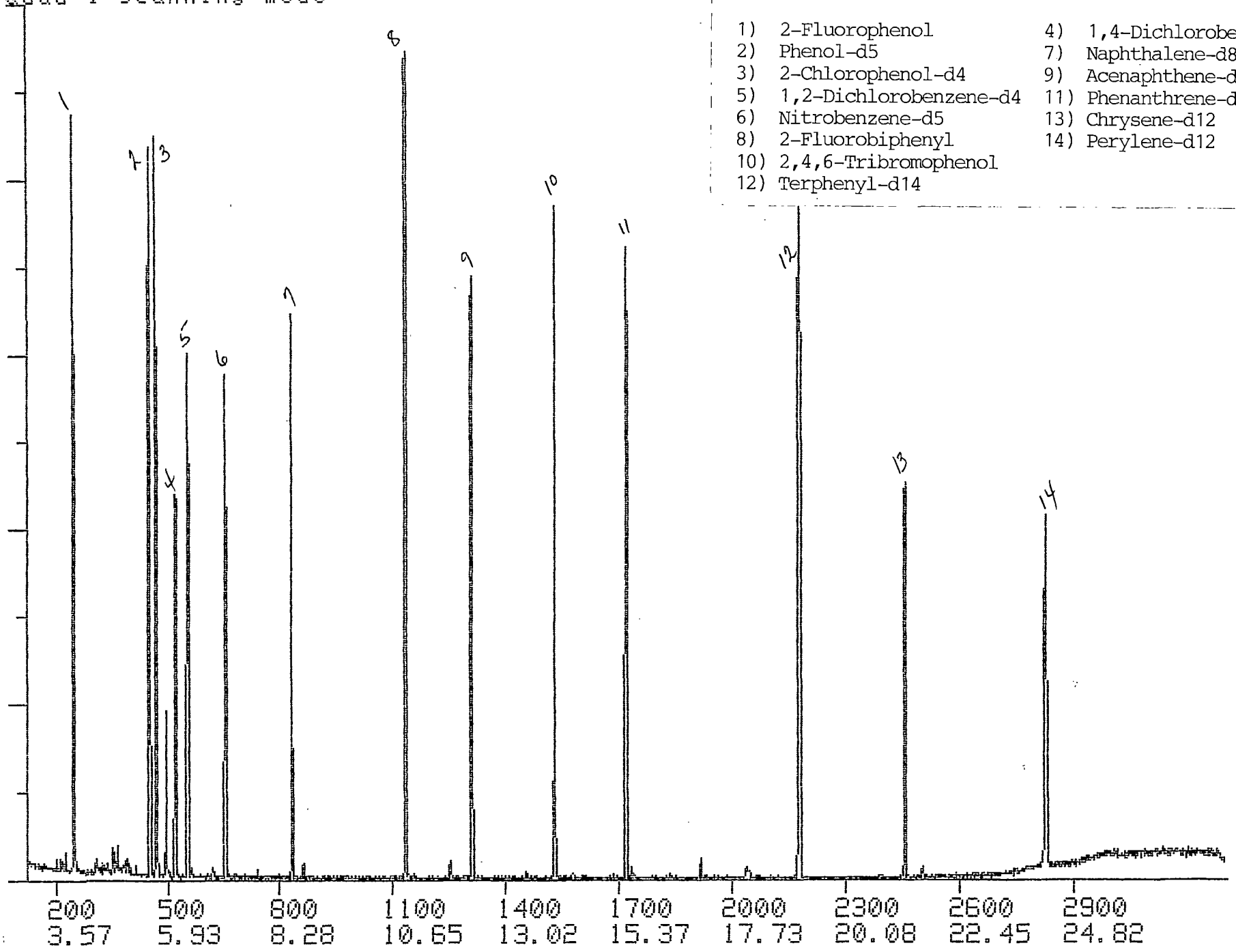
Quad 1 scanning mode

100%

106275

Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000571



WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 4/30	I.S. AREAS OK
EXTREL3 OP= JA	INITIAL AMT. = 1L	SURR REC.'S OK
DUO: [301,3]	EXT VOL. = 1mL	DILUTION= ST

Library used: SYO:CLP90
Data file name: SYO:EQK28
Injection time: 07-MAY-92 14:57:51
Comments:
EQK28 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	519						STD	0.92	40.0	NG
2S	8.57	835						STD	0.94	40.0	NG
3S	12.32	1311						STD	1.00	40.0	NG
4S	15.53	1720						STD	0.96	40.0	NG
5S	21.33	2458						STD	0.92	40.0	NG
6S	24.25	2828						STD	1.00	40.0	NG
1T	Was Not Found										
2T	Was Not Found										
3T	Is Below Specified Detection Limit										
4T	Was Not Found										
5T	Was Not Found										
6T	Was Not Found										
7T	Was Not Found										
8T	Was Not Found										
9T	Was Not Found										
10T	Was Not Found										
11T	Was Not Found										
12T	Was Not Found										
13T	Was Not Found										
14T	Was Not Found										
15T	Was Not Found										
16T	Was Not Found										
17T	Was Not Found										
18T	Was Not Found										
19T	Was Not Found										
20T	Was Not Found										
21T	Was Not Found										
22T	Was Not Found										
23T	Was Not Found										
24T	Was Not Found										
25T	Was Not Found										
26T	Was Not Found										
27T	Was Not Found										
28T	Was Not Found										
29T	Was Not Found										
30T	Was Not Found										
31T	Was Not Found										
32T	Was Not Found										
33T	Was Not Found										
34T	Was Not Found										
35T	Was Not Found										
36T	Was Not Found										
37T	Was Not Found										
38T	Was Not Found										
39T	Was Not Found										
40T	Was Not Found										
41T	Was Not Found										
42T	Was Not Found										
~~43T~~	~~14.03~~	~~1531~~	~~169. / 188.~~	~~865. /~~	~~119505.~~	~~4~~	~~0.55~~	~~0.7~~	~~NG~~		
44T	Was Not Found										
45T	Was Not Found										
46T	Was Not Found										
47T	Was Not Found										
48T	Was Not Found										
49T	Was Not Found										
50T	17.07	1915	149. / 188.	4702. /	119505.	4	0.77	1.7	NG		

000574

TLH 5/19/92

51T	Was Not Found								
52T	Was Not Found								
53T	Was Not Found								
54T	Was Not Found								
55T	Was Not Found								
56T	Was Not Found								
~~57T~~	~~21.68~~	~~2503~~	~~147. / 240.~~	~~896. /~~	~~81858.~~	~~5~~	~~0.65~~	~~0.6~~	~~NG~~
58T	Was Not Found								
59T	Was Not Found								
60T	Was Not Found								
61T	Was Not Found								
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	7.15	656	82. / 136.	74938. /	116314.	2	0.93	78.9	NG
66T	10.93	1136	172. / 164.	130238. /	68518.	3	0.93	76.5	NG
67T	19.15	2180	244. / 240.	157320. /	81858.	5	0.93	110.2	NG
68T	5.53	450	99. / 152.	122833. /	25676.	1	0.85	107.6	NG
69T	3.93	246	112. / 152.	86892. /	25676.	1	1.00	102.3	NG
70T	14.03	1530	330. / 164.	30742. /	68518.	3	0.82	169.9	NG
71T	5.67	467	132. / 152.	89287. /	25676.	1	0.83	125.9	NG
72T	6.35	554	152. / 152.	35550. /	25676.	1	0.89	69.7	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	6.08	519	152. / 152.	25676. /	25676.	1	0.92	50.0	NG
82T	8.57	835	136. / 136.	116314. /	116314.	2	0.94	50.0	NG
83T	12.32	1311	164. / 164.	68518. /	68518.	3	0.90	50.0	NG
84T	15.53	1720	188. / 188.	119505. /	119505.	4	0.96	50.0	NG
85T	21.33	2458	240. / 240.	81858. /	81858.	5	0.92	50.0	NG
86T	24.25	2828	264. / 264.	74041. /	74041.	6	1.00	50.0	NG

TH 5/19/92

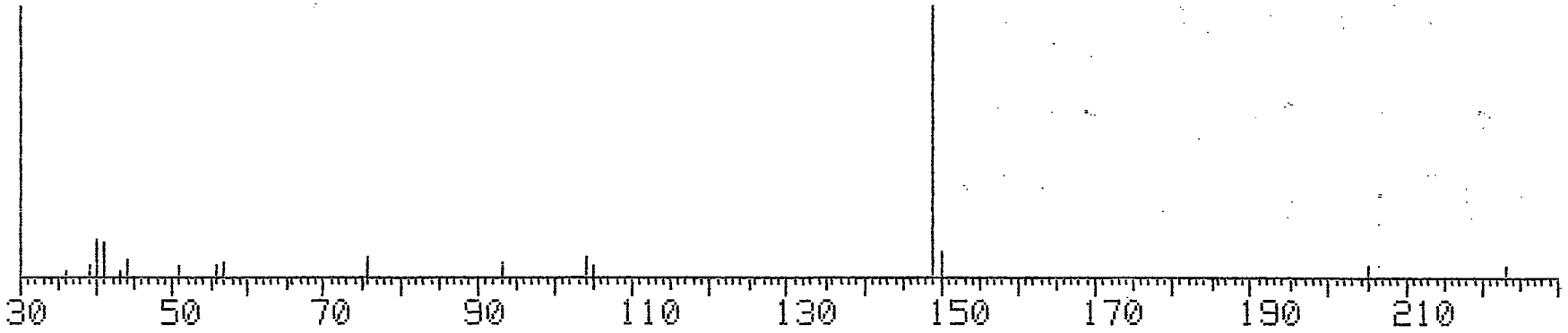
Extended Quantitation Report

EXTREL 3

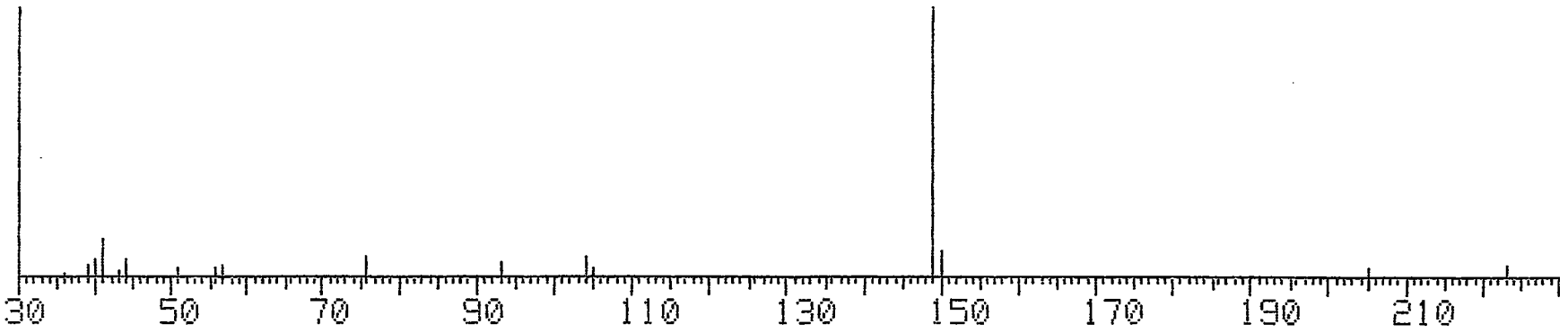
Library used: SYO:CLP90
Data file name: SYO:EQK28
Injection time: 07-MAY-92 14:57:51

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
43T	0.903	169. / 188.	0.406	0.7	IA BB RF			1.00
50T	1.099	149. / 188.	0.942	1.7	IA BB RF			1.00
57T	1.016	149. / 240.	0.710	0.6	IA BB RF			1.00
65T	0.834	82. / 136.	0.327	78.9	IA BV RF			1.00
66T	0.887	172. / 164.	0.994	76.5	IA BB RF			1.00
67T	0.898	244. / 240.	0.698	110.2	IA BB RF			1.00
68T	0.910	99. / 152.	1.779	107.6	IA BV RF			1.00
69T	0.646	112. / 152.	1.323	102.3	IA BV RF			1.00
70T	1.139	330. / 164.	0.106	169.9	IA BB RF			1.00
71T	0.933	132. / 152.	1.104	125.9	IA BB RF			1.00
72T	1.044	152. / 152.	0.795	69.7	IA VB RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA BV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF			1.00

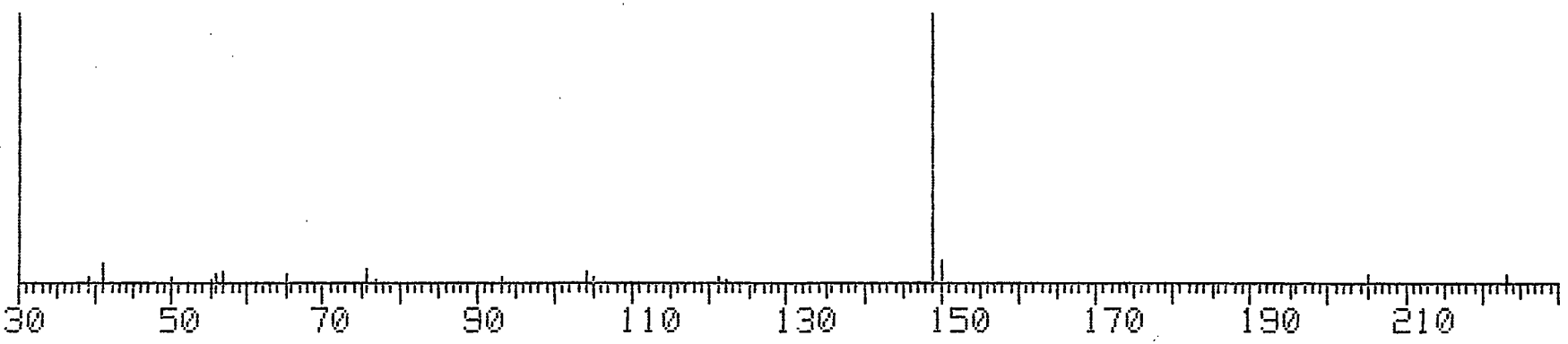
SY0:EQK28 EQK28 EXTR03 Total
07-MAY-92 14:57:51 Scan 1915 Time 17.07 min. 2638
100 % = 1342



SY0:EQK28 EQK28 EXTR03 Total
07-MAY-92 14:57:51 Scan 1915 Time 17.07 min. 2463
Bkg scan = 1910 100 % = 1342



Standard Reference Spectrum: Di-n-butylphthalate



000577

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:EQK28
Injection date: 07-MAY-92 14:57:51

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	494	5.88	BV	-7	10	72382.	1.71	17.53	1

TIC areas for associated internal standards:

Std.	Area	Conc.
1	165183.	40.

NISTEPA Library Search

File name: SYO:EQK28
Comments: EQK28 EXTRO3
Scan Number: 494
Background Scans * 1.00 487
Retention time: 5.88 min.
Date: 07-MAY-92 Time: 14:57:51

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.666
C6H1403 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.635
C8H1803 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.546
C8H1804 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.546
C8H1604 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3147
C.A.S 1569-01-3
Fit 0.465
C6H1402 118 2-Propanol, 1-propoxy-

Rank 6 Spectrum 3102
C.A.S 29006-02-8
Fit 0.446
C5H1003 118 Butanoic acid, 4-methoxy-

Rank 7 Spectrum 3140
C.A.S 3944-36-3
Fit 0.445
C6H1402 118 2-Propanol, 1-(1-methylethoxy)-

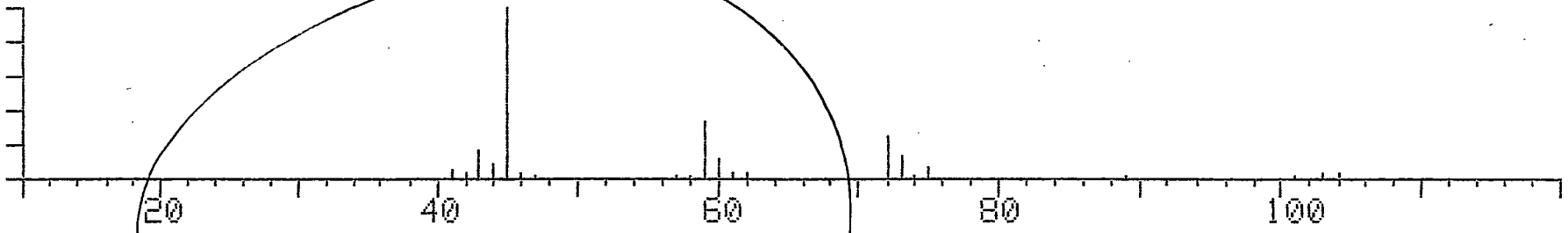
Rank 8 Spectrum 1725
C.A.S 19089-47-5
Fit 0.410
C5H1202 104 1-Propanol, 2-ethoxy-

Rank 9 Spectrum 11070
C.A.S 10143-32-5
Fit 0.402
C8H1803 162 2-Propanol, 1-(2-ethoxypropoxy)-

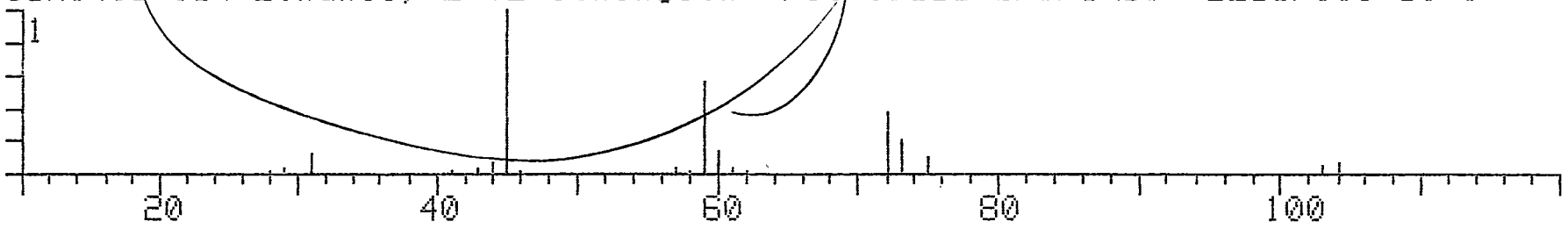
Rank 10 Spectrum 3294
C.A.S 74498-88-7
Fit 0.396
C5H1203 120 Ethane, 1-methoxy-2-(methoxymethoxy)-

NISTEPA Forward Library Search TIC = 19954
Injection Date: 07-MAY-92 Time: 14:57:51 100% = 8352
Filename: SY0:EQK28
Comments:
EQK28 EXTR03

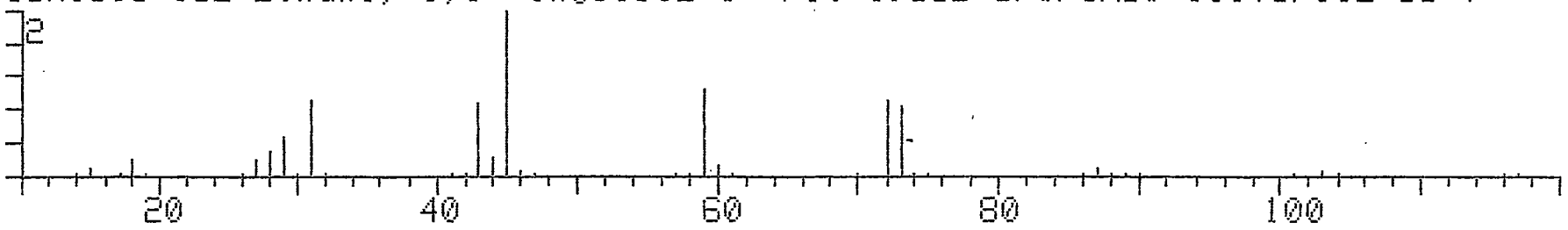
SCANS: 494-494 BKG * 1.00 487



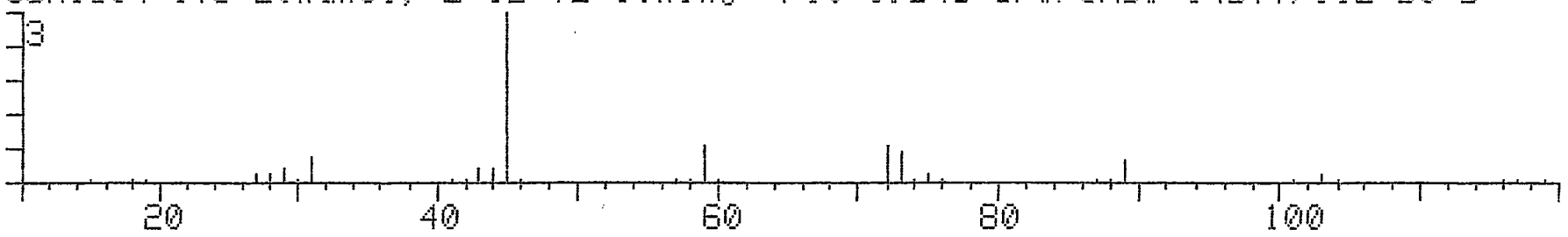
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.666 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.635 SP#/CAS# 11076/112-36-7



C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.546 SP#/CAS# 14577/112-50-5



000580

SEMIVOLATILE STANDARDS DATA

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date(s): 2/24/92 2/24/92

Calibration Times: ~~1747~~ 1534 ~~1712~~ 1747 RG 6/3/92

LAB FILE ID: RRF20 =SL0224 RRF50 =SML0224
RRF80 =SM0224 RRF120=SMH0224 RRF160=SH0224

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Phenol	*	2.732	1.988	1.868	1.959	1.813	2.072	18.1	*
bis(2-chloroethyl)ether	*	1.485	1.248	1.120	1.104	1.023	1.196	15.1	*
2-Chlorophenol	*	1.835	1.459	1.351	1.332	1.312	1.458	15.0	*
1,3-Dichlorobenzene	*	1.588	1.506	1.447	1.414	1.379	1.467	5.6	*
1,4-Dichlorobenzene	*	1.698	1.540	1.480	1.443	1.418	1.516	7.4	*
1,2-Dichlorobenzene	*	1.537	1.308	1.211	1.191	1.209	1.291	11.2	*
2-Methylphenol	*	2.231	1.629	1.500	1.480	1.462	1.660	19.6	*
2,2'-oxybis(1-Chloropropane)		0.693	0.517	0.463	0.496	0.461	0.526	18.3	
4-Methylphenol	*	2.526	1.775	1.670	1.683	1.640	1.859	20.2	*
N-Nitroso-di-n-propylamine	*	1.664	1.148	1.056	0.990	0.944	1.160	25.2	*
Hexachloroethane	*	0.824	0.774	0.687	0.687	0.649	0.724	10.0	*
Nitrobenzene	*	0.407	0.354	0.335	0.328	0.327	0.350	9.6	*
Isophorone	*	0.776	0.560	0.636	0.622	0.611	0.641	12.6	*
2-Nitrophenol	*	0.184	0.173	0.166	0.171	0.176	0.174	3.8	*
2,4-Dimethylphenol	*	0.422	0.370	0.351	0.368	0.362	0.375	7.3	*
bis(2-chloroethoxy)methane	*	0.514	0.436	0.422	0.421	0.414	0.441	9.4	*
2,4-Dichlorophenol	*	0.320	0.268	0.250	0.255	0.254	0.269	10.8	*
1,2,4-Trichlorobenzene	*	0.322	0.303	0.290	0.286	0.283	0.297	5.4	*
Naphthalene	*	1.120	1.026	0.970	0.989	0.949	1.011	6.7	*
4-Chloroaniline		0.166	0.147	0.151	0.177	0.192	0.167	11.1	
Hexachlorobutadiene		0.191	0.178	0.167	0.168	0.167	0.174	6.0	
4-Chloro-3-methylphenol	*	0.449	0.372	0.350	0.352	0.334	0.371	12.2	*
2-Methylnaphthalene	*	0.883	0.703	0.675	0.668	0.631	0.712	13.9	*
Hexachlorocyclopentadiene		0.397	0.419	0.396	0.467	0.458	0.427	7.8	
2,4,6-Trichlorophenol	*	0.384	0.380	0.386	0.424	0.432	0.401	6.2	*
2,4,5-Trichlorophenol	*	0.000	0.442	0.432	0.491	0.428	0.448	6.5	*
2-Chloronaphthalene	*	1.201	1.103	1.068	1.195	1.124	1.138	5.1	*
2-Nitroaniline		0.445	0.420	0.409	0.477	0.441	0.438	6.0	
Dimethylphthalate		1.256	1.163	1.123	1.323	1.257	1.224	6.6	
Acenaphthylene	*	2.040	1.830	1.777	1.947	1.738	1.866	6.7	*
2,6-Dinitrotoluene	*	0.286	0.272	0.264	0.318	0.205	0.269	15.4	*
3-Nitroaniline		0.309	0.268	0.276	0.325	0.326	0.301	9.1	
Acenaphthene	*	1.207	1.097	1.053	1.200	1.077	1.127	6.4	*
2,4-Dinitrophenol		0.000	0.105	0.128	0.167	0.167	0.142	21.6	
4-Nitrophenol		0.000	0.171	0.187	0.224	0.233	0.204	14.5	
Dibenzofuran	*	1.876	1.682	1.689	1.841	1.710	1.760	5.2	*
2,4-Dinitrotoluene	*	0.391	0.334	0.373	0.432	0.436	0.393	10.8	*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

000581

[illegible]

[illegible]

[illegible]

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date(s): 2/24/92 2/24/92

Calibration Times: ~~1747~~ 1534 ~~1712~~ 1747 RC 6/3/92

LAB FILE ID: RRF20 =SL0224 RRF50 =SML0224
RRF80 =SM0224 RRF120=SMH0224 RRF160=SH0224

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Diethylphthalate		1.367	1.228	1.192	1.403	1.296	1.297	6.9	
4-Chlorophenyl-phenylether	*	0.703	0.646	0.624	0.704	0.669	0.669	5.3	*
Fluorene	*	1.387	1.238	1.216	1.356	1.235	1.286	6.1	*
4-Nitroaniline		0.000	0.236	0.267	0.348	0.352	0.301	19.4	
4,6-Dinitro-2-methylphenol		0.000	0.088	0.099	0.109	0.118	0.104	12.4	
N-Nitrosodiphenylamine (1)		0.269	0.331	0.253	0.280	0.294	0.285	10.4	
4-Bromophenyl-phenylether	*	0.258	0.233	0.212	0.213	0.197	0.223	10.6	*
Hexachlorobenzene	*	0.256	0.221	0.213	0.213	0.207	0.222	8.8	*
Pentachlorophenol	*	0.000	0.124	0.143	0.146	0.164	0.144	11.4	*
Phenanthrene	*	1.187	1.042	1.036	1.060	1.031	1.071	6.1	*
Anthracene	*	1.210	0.996	1.007	1.033	1.014	1.052	8.5	*
Carbazole		1.071	0.794	0.955	0.939	1.017	0.955	10.9	
Di-n-butylphthalate		1.351	0.965	1.248	1.196	1.284	1.209	12.2	
Fluoranthene	*	1.374	0.879	1.170	1.119	1.285	1.165	16.2	*
Pyrene	*	1.185	1.442	1.107	1.189	1.551	1.295	14.7	*
Butylbenzylphthalate		0.532	0.515	0.524	0.518	0.795	0.577	21.2	
3,3'-Dichlorobenzidine		0.178	0.189	0.140	0.129	0.266	0.180	30.0	
Benzo(a)anthracene	*	1.358	1.325	1.217	1.251	1.677	1.366	13.4	*
Chrysene	*	0.978	1.018	0.918	0.843	1.177	0.987	12.7	*
bis(2-ethylhexyl)phthalate		0.753	0.676	0.753	0.708	1.132	0.804	23.1	
Di-n-Octylphthalate		1.121	1.026	1.172	1.194	1.163	1.135	5.9	
Benzo(b)fluoranthene	*	1.346	1.232	1.149	1.270	1.285	1.256	5.8	*
Benzo(k)fluoranthene	*	1.007	0.970	0.912	0.947	0.744	0.916	11.2	*
Benzo(a)pyrene	*	1.119	1.043	0.992	1.046	0.982	1.036	5.3	*
Indeno(1,2,3-cd)pyrene	*	1.167	1.042	0.995	1.080	1.070	1.071	5.9	*
Dibenz(a,h)anthracene	*	1.079	1.055	0.976	1.046	0.816	0.994	10.7	*
Benzo(g,h,i)perylene	*	1.240	1.057	1.005	1.062	0.995	1.072	9.2	*
Nitrobenzene-d5	*	0.360	0.342	0.338	0.342	0.343	0.345	2.5	*
2-Fluorobiphenyl	*	1.310	1.167	1.223	1.366	1.228	1.259	6.3	*
Terphenyl-d14	*	0.715	0.868	0.736	0.763	1.036	0.824	16.1	*
Phenol-d5	*	2.157	1.746	1.761	1.717	1.682	1.813	10.7	*
2-Fluorophenol	*	1.437	1.249	1.236	1.225	1.250	1.279	6.9	*
2,4,6-Tribromophenol		0.127	0.133	0.153	0.184	0.181	0.156	16.9	
2-Chlorophenol-d4	*	1.347	1.133	1.141	1.103	1.079	1.161	9.2	*
1,2-Dichlorobenzene-d4	*	0.942	0.884	0.866	0.858	0.796	0.869	6.0	*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date(s): 5/14/92 5/14/92

Calibration Times: ~~1626~~ 1301 ~~1553~~ 1626 R6 6/3/92

LAB FILE ID: RRF20 =3SL0514 RRF50 =3SML0514
RRF80 =3SM0514 RRF120=3SMH0514 RRF160=3SH0514

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.804	1.713	1.663	1.523	1.529	1.646	7.4 *
bis(2-chloroethyl)ether *	1.194	1.097	1.073	0.956	0.926	1.049	10.4 *
2-Chlorophenol *	1.434	1.330	1.350	1.182	1.189	1.297	8.4 *
1,3-Dichlorobenzene *	1.525	1.376	1.377	1.261	1.251	1.358	8.2 *
1,4-Dichlorobenzene *	1.611	1.396	1.391	1.264	1.258	1.384	10.3 *
1,2-Dichlorobenzene *	1.442	1.244	1.208	0.899	0.949	1.148	19.5 *
2-Methylphenol *	1.528	1.368	1.335	1.260	1.247	1.348	8.4 *
2,2'-oxybis(1-Chloropropane)	0.456	0.469	0.428	0.388	0.389	0.426	8.8
4-Methylphenol *	1.592	1.410	1.373	1.238	1.122	1.347	13.2 *
N-Nitroso-di-n-propylamine *	0.908	0.809	0.793	0.746	0.738	0.799	8.5 *
Hexachloroethane *	0.660	0.610	0.602	0.532	0.550	0.591	8.6 *
Nitrobenzene *	0.288	0.267	0.261	0.240	0.240	0.259	7.8 *
Isophorone *	0.576	0.550	0.549	0.521	0.533	0.546	3.8 *
2-Nitrophenol *	0.127	0.136	0.143	0.136	0.142	0.137	4.7 *
2,4-Dimethylphenol *	0.287	0.274	0.268	0.254	0.257	0.268	5.0 *
bis(2-chloroethoxy)methane *	0.417	0.391	0.391	0.367	0.367	0.387	5.4 *
2,4-Dichlorophenol *	0.249	0.247	0.254	0.233	0.233	0.243	4.0 *
1,2,4-Trichlorobenzene *	0.296	0.280	0.280	0.251	0.257	0.273	6.8 *
Naphthalene *	0.977	0.922	0.898	0.800	0.806	0.881	8.7 *
4-Chloroaniline	0.378	0.365	0.380	0.351	0.348	0.364	4.1
Hexachlorobutadiene	0.165	0.156	0.156	0.134	0.135	0.149	9.3
4-Chloro-3-methylphenol *	0.282	0.258	0.266	0.256	0.255	0.263	4.3 *
2-Methylnaphthalene *	0.705	0.638	0.661	0.576	0.571	0.630	9.1 *
Hexachlorocyclopentadiene	0.324	0.323	0.307	0.311	0.305	0.314	2.8
2,4,6-Trichlorophenol *	0.291	0.326	0.311	0.319	0.331	0.316	5.0 *
2,4,5-Trichlorophenol *	0.312	0.318	0.311	0.295	0.285	0.304	4.5 *
2-Chloronaphthalene *	1.040	0.966	0.903	0.848	0.843	0.920	9.1 *
2-Nitroaniline	0.203	0.195	0.206	0.214	0.214	0.206	3.9
Dimethylphthalate	0.994	0.905	0.937	0.885	0.892	0.923	4.8
Acenaphthylene *	1.622	1.478	1.428	1.304	1.284	1.423	9.7 *
2,6-Dinitrotoluene *	0.182	0.172	0.188	0.181	0.179	0.180	3.2 *
3-Nitroaniline	0.190	0.178	0.220	0.223	0.226	0.207	10.6
Acenaphthene *	0.940	0.846	0.817	0.739	0.731	0.815	10.5 *
2,4-Dinitrophenol	0.036	0.052	0.074	0.076	0.084	0.064	31.0
4-Nitrophenol	0.070	0.075	0.091	0.090	0.092	0.084	12.3
Dibenzofuran *	1.421	1.292	1.291	1.182	1.181	1.273	7.8 *
2,4-Dinitrotoluene *	0.202	0.194	0.227	0.206	0.212	0.208	6.0 *

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	RSD
Phenol	* 1.[illegible]	1.713	1.663	[illegible]	1.529	1.[illegible]	7.4
bis(2-chloroethyl)ether	1.1[illegible]	1.097	1.073	0.950	0.[illegible]	1.018	10.[illegible]
2-Chlorophenol	* 1.434	1.330	1.350	1.182	1.189	1.297	8.4
1,3-Dichlorobenzene	* 1.525	1.376	1.377	1.2[illegible]	1.251	1.358	8.2
1,4-Dichlorobenzene	* 1.611	1.396	1.391	1.2[illegible]	1.25[illegible]	1.384	10.[illegible]
1,2-Dichlorobenzene	* 1.442	1.2[illegible]	1.2[illegible]	0.8[illegible]	0.949	1.118	1[illegible]
2-Methylphenol	* 1.[illegible]	1.368	1.33[illegible]	1.2[illegible]	1.2[illegible]	1.348	8.4
2,2'-oxybis(1-chloropropane)	0.45[illegible]	0.469	0.4[illegible]	0.[illegible]	[illegible]	0.426	[illegible]
4-Methylphenol	* 1.592	1.410	1.373	1.238	1.1[illegible]	1.347	13.[illegible]
N-Nitroso di-n-propylamine	* 0.908	0.803	0.7[illegible]	0.748	0.738	[illegible]	8.5
Hexachloroethane	* 0.[illegible]	0.610	0.632	0.532	[illegible]	0.591	8.6
Nitrobenzene	* 0.2[illegible]	0.267	0.261	0.210	0.240	0.259	7.9
Isophorone	* 0.5[illegible]	0.550	0.549	0.521	0.533	0.546	[illegible]
2-Nitrophenol	* 0.127	0.136	0.143	0.136	0.112	0.137	[illegible]
2,4-Dimethylphenol	* 0.2[illegible]	0.271	0.263	0.254	0.257	0.268	[illegible]
bis(2-chloroethoxy)methane	* 0.417	0.391	0.[illegible]	0.367	0.367	0.387	5.4
2,4-Dichlorophenol	0.249	0.247	0.254	0.233	0.233	0.243	4.0
1,2,4-Trichlorobenzene	0.2[illegible]	0.280	0.280	0.251	0.257	0.272	6.8
Naphthalene	* 0.9[illegible]	0.922	0.898	0.800	0.806	0.881	8.7
4-Chloroaniline	0.378	0.365	0.380	0.351	0.348	0.364	4.1
Hexachlorobutadiene	0.[illegible]	0.156	0.156	0.134	0.135	0.149	[illegible]
4-Chloro-3-methylphenol	* 0.282	0.253	0.266	0.256	0.255	0.263	[illegible]
2-Methylnaphthalene	* 0.705	0.638	0.661	0.5[illegible]	0.371	0.630	[illegible]
Hexachlorocyclopentadiene	0.324	0.323	0.307	0.311	0.305	0.314	[illegible]
2,4,6-Trichlorophenol	* 0.291	0.326	0.311	0.319	0.331	0.31[illegible]	5.0
2,4,5-Trichlorophenol	* 0.312	0.318	0.311	0.295	0.285	0.304	[illegible]
2-Chloronaphthalene	* 1.040	0.966	0.903	0.848	0.843	0.920	9.1
2-Nitroaniline	0.203	0.195	0.206	0.214	0.214	0.206	3.9
Dimethylphthalate	0.994	0.905	0.937	0.885	0.892	0.9[illegible]	4.8
Acenaphthylene	* 1.6[illegible]	1.47[illegible]	1.4[illegible]	1.304	1.284	1.422	[illegible]
2,6-Dinitrotoluene	* 0.182	0.172	0.188	0.181	0.179	0.180	3.2
3-Nitroaniline	0.190	0.173	0.220	0.223	0.226	0.207	10.6
Acenaphthene	* 0.940	0.816	0.877	0.739	0.731	0.815	10.5
2,4-Dinitrophenol	0.0[illegible]	0.052	0.071	0.076	0.084	0.064	[illegible]
4-Nitrophenol	0.070	0.075	0.0[illegible]	0.090	0.092	0.084	12.3
Dibenzofuran	* 1.121	1.292	1.291	1.[illegible]	1.1[illegible]	1.273	7.8
2,4-Dinitrotoluene	* 0.202	0.191	0.227	0.208	0.212	0.208	6.0

* Compounds with required minimum RRF and maximum RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date(s): 5/14/92 5/14/92

Calibration Times: ~~1626~~ 1301 ~~1553~~ 1626 RG 6/5/92

LAB FILE ID: RRF20 =3SL0514 RRF50 =3SML0514
RRF80 =3SM0514 RRF120=3SMH0514 RRF160=3SH0514

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Diethylphthalate		0.940	0.815	0.918	0.854	0.863	0.878	5.8	
4-Chlorophenyl-phenylether	*	0.621	0.541	0.537	0.483	0.478	0.532	10.9	*
Fluorene	*	1.114	0.983	1.014	0.913	0.913	0.987	8.5	*
4-Nitroaniline		0.140	0.120	0.164	0.118	0.172	0.143	17.3	
4,6-Dinitro-2-methylphenol		0.043	0.052	0.067	0.063	0.067	0.058	18.2	
N-Nitrosodiphenylamine (1)		0.460	0.431	0.416	0.400	0.400	0.421	6.0	
4-Bromophenyl-phenylether	*	0.230	0.220	0.200	0.188	0.185	0.205	9.6	*
Hexachlorobenzene	*	0.229	0.212	0.202	0.185	0.181	0.202	9.8	*
Pentachlorophenol	*	0.069	0.096	0.106	0.101	0.105	0.095	16.1	*
Phenanthrene	*	0.941	0.870	0.871	0.769	0.789	0.848	8.2	*
Anthracene	*	0.874	0.826	0.833	0.750	0.735	0.804	7.3	*
Carbazole		0.684	0.654	0.697	0.611	0.620	0.653	5.8	
Di-n-butylphthalate		0.814	0.800	0.878	0.791	0.801	0.817	4.3	
Fluoranthene	*	0.844	0.797	0.874	0.745	0.748	0.802	7.1	*
Pyrene	*	1.314	1.245	1.173	1.088	1.152	1.194	7.3	*
Butylbenzylphthalate		0.356	0.372	0.433	0.461	0.476	0.420	12.7	
3,3'-Dichlorobenzidine		0.243	0.267	0.252	0.235	0.244	0.248	4.9	
Benzo(a)anthracene	*	0.994	1.028	1.056	1.032	1.045	1.031	2.3	*
Chrysene	*	0.935	0.902	0.929	0.888	0.928	0.916	2.2	*
bis(2-ethylhexyl)phthalate		0.426	0.493	0.555	0.609	0.611	0.539	14.7	
Di-n-Octylphthalate		0.659	0.796	0.922	0.965	0.981	0.865	15.7	
Benzo(b)fluoranthene	*	1.017	1.074	1.183	1.134	1.191	1.120	6.6	*
Benzo(k)fluoranthene	*	0.968	0.898	0.835	0.777	0.728	0.841	11.3	*
Benzo(a)pyrene	*	0.875	0.942	0.961	0.921	0.949	0.930	3.6	*
Indeno(1,2,3-cd)pyrene	*	0.914	1.009	1.037	1.029	1.061	1.010	5.6	*
Dibenz(a,h)anthracene	*	0.803	0.863	0.898	0.881	0.900	0.869	4.6	*
Benzo(g,h,i)perylene	*	0.860	0.952	0.925	0.952	0.949	0.928	4.3	*
Nitrobenzene-d5	*	0.240	0.251	0.239	0.237	0.237	0.241	2.4	*
2-Fluorobiphenyl	*	1.050	1.030	0.936	0.899	0.880	0.959	8.0	*
Terphenyl-d14	*	0.753	0.773	0.728	0.708	0.734	0.739	3.4	*
Phenol-d5	*	1.606	1.565	1.498	1.525	1.433	1.525	4.3	*
2-Fluorophenol	*	1.103	1.173	1.082	1.105	1.073	1.107	3.5	*
2,4,6-Tribromophenol		0.089	0.108	0.118	0.122	0.119	0.111	12.1	
2-Chlorophenol-d4	*	1.088	1.030	1.000	0.968	0.909	0.999	6.7	*
1,2-Dichlorobenzene-d4	*	0.802	0.765	0.744	0.683	0.678	0.734	7.3	*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

[illegible]

[illegible]

[illegible]

[illegible]

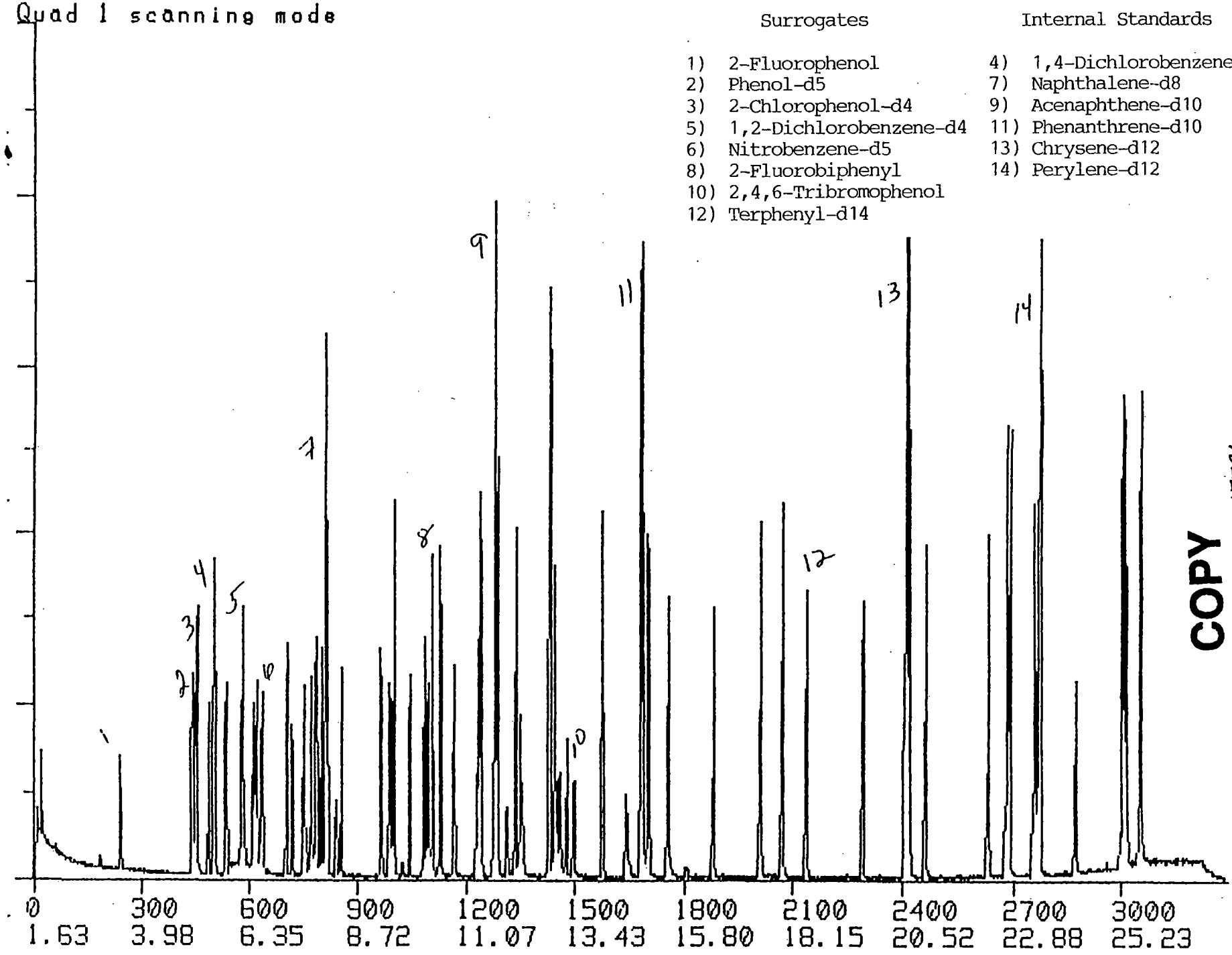
[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SY0:SL0224 SSTD020 EXTR03
24-FEB-92 17:47:16
Total Ion Current
Quad 1 scanning mode

100%
198864



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

000585

COPY
ORIGINAL IS FILED IN CSF 17791

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:SL0224
Injection time: 24-FEB-92 17:47:16
Comments:
SSTD020 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

COPY
ORIGINAL IS FILED IN CSF 17791

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

COPY
ORIGINAL IS FILED IN CSF 17791

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

COPY
ORIGINAL IS FILED IN CSF 1279

1S	5.55	499					STD	0.89	40.0	NG
2S	8.00	809					STD	0.94	40.0	NG
3S	11.68	1277					STD	0.95	40.0	NG
4S	14.87	1681					STD	0.85	40.0	NG
5S	20.60	2410					STD	0.88	40.0	NG
6S	23.47	2774					STD	0.91	40.0	NG
1T	5.10	441	94. /	152.	57035. /	41750.	1	0.90	20.0	NG
2T	5.18	451	93. /	152.	30996. /	41750.	1	0.80	20.0	NG
3T	5.20	453	128. /	152.	38314. /	41750.	1	0.76	20.0	NG
4T	5.43	484	146. /	152.	33140. /	41750.	1	0.96	20.0	NG
5T	5.58	503	146. /	152.	35438. /	41750.	1	1.00	20.0	NG
6T	5.83	535	146. /	152.	32094. /	41750.	1	0.96	20.0	NG
7T	6.18	578	108. /	152.	46575. /	41750.	1	0.84	20.0	NG
8T	6.23	584	45. /	152.	14471. /	41750.	1	0.71	20.0	NG
9T	6.50	618	108. /	152.	52732. /	41750.	1	0.90	20.0	NG
10T	6.42	608	70. /	152.	34730. /	41750.	1	0.93	20.0	NG
11T	6.47	614	117. /	152.	17204. /	41750.	1	1.00	20.0	NG
12T	6.65	638	77. /	136.	50996. /	250712.	2	1.00	20.0	NG
13T	7.15	702	82. /	136.	97312. /	250712.	2	0.83	20.0	NG
14T	7.27	717	139. /	136.	23086. /	250712.	2	1.00	20.0	NG
15T	7.52	749	107. /	136.	52910. /	250712.	2	1.00	20.0	NG
16T	7.68	770	93. /	136.	64480. /	250712.	2	0.92	20.0	NG
17T	7.80	784	162. /	136.	40068. /	250712.	2	1.00	20.0	NG
18T	7.92	799	180. /	136.	40326. /	250712.	2	0.96	20.0	NG
19T	8.03	814	128. /	136.	140370. /	250712.	2	0.90	20.0	NG
20T	8.23	840	127. /	136.	20767. /	250712.	2	0.96	20.0	NG
21T	8.35	855	225. /	136.	23981. /	250712.	2	1.00	20.0	NG
22T	9.40	987	107. /	136.	56224. /	250712.	2	1.00	20.0	NG
23T	9.50	1000	142. /	136.	110746. /	250712.	2	1.00	20.0	NG
24T	9.85	1044	237. /	164.	30818. /	155100.	3	0.93	20.0	NG
25T	10.17	1084	196. /	164.	29817. /	155100.	3	1.00	20.0	NG
26T	Was Not	Found								
27T	10.50	1128	162. /	164.	93147. /	155100.	3	1.00	20.0	NG
28T	10.80	1166	65. /	164.	34544. /	155100.	3	1.00	20.0	NG
29T	11.32	1230	163. /	164.	97419. /	155100.	3	0.90	20.0	NG
30T	11.35	1236	152. /	164.	158224. /	155100.	3	0.88	20.0	NG
31T	11.38	1240	165. /	164.	22187. /	155100.	3	0.96	20.0	NG
32T	11.70	1280	138. /	164.	23984. /	155100.	3	0.85	20.0	NG
33T	11.75	1286	153. /	164.	93565. /	155100.	3	1.00	20.0	NG
34T	Was Not	Found								
35T	Was Not	Found								
36T	12.13	1334	168. /	164.	145464. /	155100.	3	0.81	20.0	NG
37T	12.22	1346	165. /	164.	30297. /	155100.	3	1.00	20.0	NG
38T	12.85	1426	149. /	164.	105994. /	155100.	3	0.96	20.0	NG
39T	12.97	1440	204. /	164.	54487. /	155100.	3	0.85	20.0	NG
40T	12.87	1427	166. /	164.	107569. /	155100.	3	0.75	20.0	NG
41T	Was Not	Found								
42T	Was Not	Found								
43T	13.23	1475	169. /	188.	33987. /	252248.	4	0.92	20.0	NG
44T	14.00	1571	248. /	188.	32559. /	252248.	4	1.00	20.0	NG
45T	14.02	1574	284. /	188.	32261. /	252248.	4	0.97	20.0	NG
46T	Was Not	Found								
47T	14.90	1686	178. /	188.	149692. /	252248.	4	0.92	20.0	NG
48T	15.02	1700	178. /	188.	152602. /	252248.	4	0.96	20.0	NG
49T	15.45	1755	167. /	188.	135100. /	252248.	4	1.00	20.0	NG
50T	16.43	1881	149. /	188.	170382. /	252248.	4	0.77	20.0	NG

51T	17. 47	2012	202. / 188.	173254. /	252248.	4	0. 95	20. 0	NG
52T	17. 92	2070	202. / 240.	182576. /	308052.	5	0. 94	20. 0	NG
53T	19. 65	2289	149. / 240.	82016. /	308052.	5	0. 96	20. 0	NG
54T	20. 65	2416	252. / 240.	27438. /	308052.	5	0. 97	20. 0	NG
55T	20. 58	2408	228. / 240.	209120. /	308052.	5	0. 76	20. 0	NG
56T	20. 65	2416	228. / 240.	150696. /	308052.	5	0. 93	20. 0	NG
57T	21. 00	2462	149. / 240.	116014. /	308052.	5	1. 00	20. 0	NG
58T	22. 37	2634	149. / 264.	199816. /	356398.	6	0. 41	20. 0	NG
59T	22. 75	2684	252. / 264.	239836. /	356398.	6	0. 92	20. 0	NG
60T	22. 82	2691	252. / 264.	179518. /	356398.	6	0. 89	20. 0	NG
61T	23. 35	2759	252. / 264.	199466. /	356398.	6	0. 93	20. 0	NG
62T	25. 27	3003	276. / 264.	207944. /	356398.	6	0. 00	20. 0	NG
63T	25. 32	3010	278. / 264.	192350. /	356398.	6	0. 00	20. 0	NG
64T	25. 65	3053	276. / 264.	220904. /	356398.	6	0. 00	20. 0	NG
65T	6. 62	633	82. / 136.	45163. /	250712.	2	1. 00	20. 0	NG
66T	10. 35	1107	172. / 164.	101613. /	155100.	3	1. 00	20. 0	NG
67T	18. 43	2136	244. / 240.	110179. /	308052.	5	0. 93	20. 0	NG
68T	5. 08	438	99. / 152.	45027. /	41750.	1	0. 85	20. 0	NG
69T	3. 50	237	112. / 152.	29999. /	41750.	1	0. 96	20. 0	NG
70T	13. 38	1493	330. / 164.	9854. /	155100.	3	0. 88	20. 0	NG
71T	5. 17	449	132. / 152.	28109. /	41750.	1	0. 75	20. 0	NG
72T	5. 82	532	152. / 152.	19666. /	41750.	1	0. 85	20. 0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	5. 56	499	152. / 152.	41750. /	41750.	1	0. 96	20. 0	NG
82T	8. 00	809	136. / 136.	250712. /	250712.	2	0. 94	20. 0	NG
83T	11. 68	1277	164. / 164.	155100. /	155100.	3	0. 93	20. 0	NG
84T	14. 97	1695	188. / 188.	252248. /	252248.	4	0. 81	20. 0	NG
85T	20. 60	2410	240. / 240.	308052. /	308052.	5	0. 88	20. 0	NG
86T	23. 47	2774	264. / 264.	356398. /	356398.	6	0. 91	20. 0	NG

COPY
ORIGINAL IS FILED IN CSF 17791

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:SL0224
Injection time: 24-FEB-92 17:47:16

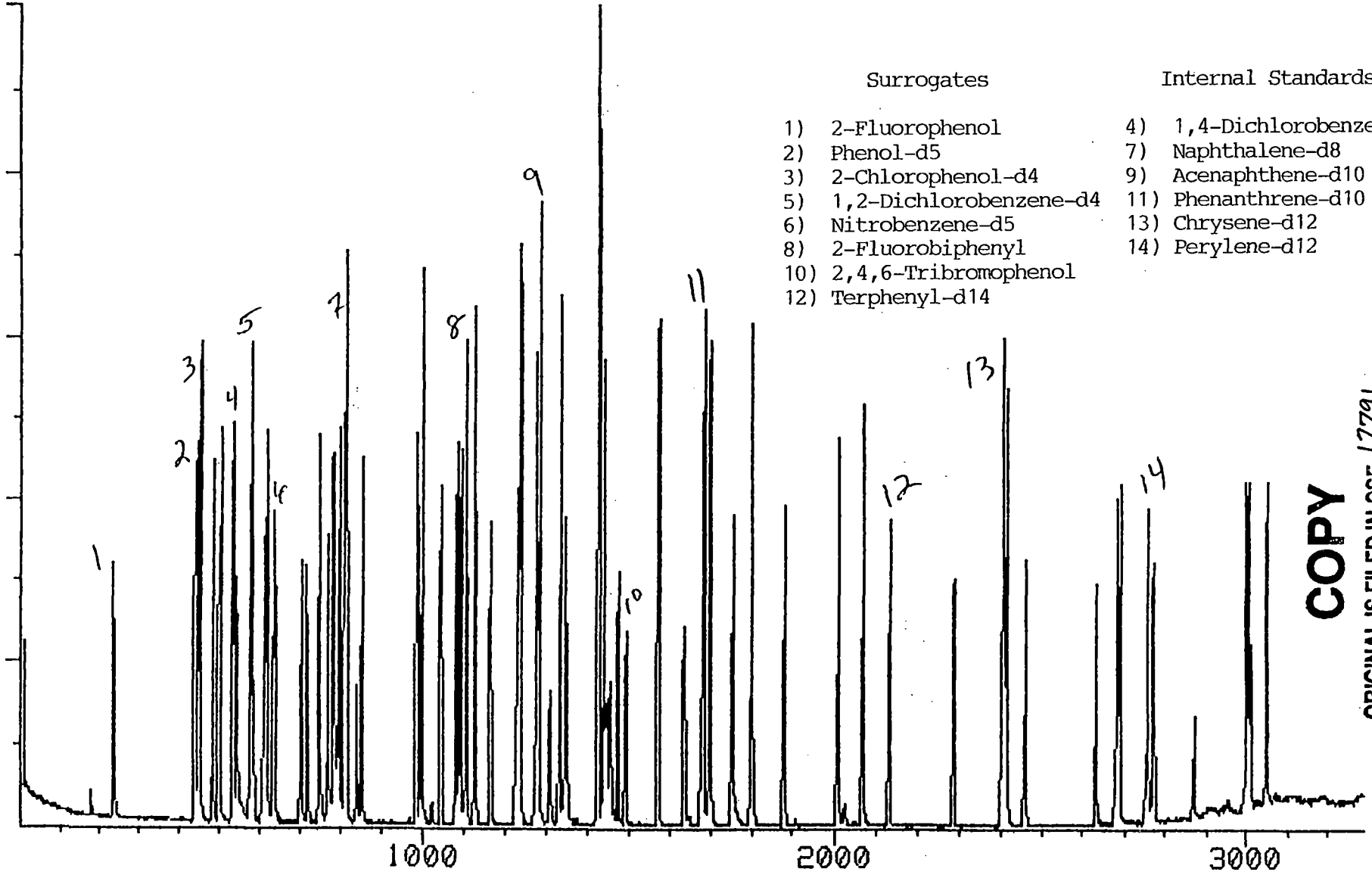
No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.919	94. / 152.	2.732	20.0	IA BV RF			1.00
2T	0.933	93. / 152.	1.485	20.0	IA VV RF			1.00
3T	0.937	128. / 152.	1.835	20.0	IA BB RF			1.00
4T	0.978	146. / 152.	1.588	20.0	IA BV RF			1.00
5T	1.005	146. / 152.	1.698	20.0	IA BV RF			1.00
6T	1.050	146. / 152.	1.537	20.0	IA VV RF			1.00
7T	1.114	108. / 152.	2.231	20.0	IA VB RF			1.00
8T	1.123	45. / 152.	0.693	20.0	IA VV RF			1.00
9T	1.171	108. / 152.	2.526	20.0	IA VV RF			1.00
10T	1.157	70. / 152.	1.664	20.0	IA BV RF			1.00
11T	1.166	117. / 152.	0.824	20.0	IA BB RF			1.00
12T	0.831	77. / 136.	0.407	20.0	IA VV RF			1.00
13T	0.894	82. / 136.	0.776	20.0	IA VV RF			1.00
14T	0.909	139. / 136.	0.184	20.0	IA VB RF			1.00
15T	0.940	107. / 136.	0.422	20.0	IA VV RF			1.00
16T	0.960	93. / 136.	0.514	20.0	IA VV RF			1.00
17T	0.975	162. / 136.	0.320	20.0	IA BB RF			1.00
18T	0.990	180. / 136.	0.322	20.0	IA BV RF			1.00
19T	1.004	128. / 136.	1.120	20.0	IA VV RF			1.00
20T	1.029	127. / 136.	0.166	20.0	IA VV RF			1.00
21T	1.044	225. / 136.	0.191	20.0	IA VB RF			1.00
22T	1.175	107. / 136.	0.449	20.0	IA VB RF			1.00
23T	1.188	142. / 136.	0.883	20.0	IA VV RF			1.00
24T	0.843	237. / 164.	0.397	20.0	IA BB RF			1.00
25T	0.871	196. / 164.	0.384	20.0	IA BV RF			1.00
27T	0.899	162. / 164.	1.201	20.0	IA VB RF			1.00
28T	0.925	65. / 164.	0.445	20.0	IA BV RF			1.00
29T	0.969	163. / 164.	1.256	20.0	IA BV RF			1.00
30T	0.972	152. / 164.	2.040	20.0	IA BV RF			1.00
31T	0.974	165. / 164.	0.286	20.0	IA VV RF			1.00
32T	1.002	138. / 164.	0.309	20.0	IA BV RF			1.00
33T	1.006	153. / 164.	1.207	20.0	IA VV RF			1.00
36T	1.039	168. / 164.	1.876	20.0	IA VV RF			1.00
37T	1.046	165. / 164.	0.391	20.0	IA BB RF			1.00
38T	1.100	149. / 164.	1.367	20.0	IA BV RF			1.00
39T	1.110	204. / 164.	0.703	20.0	IA BV RF			1.00
40T	1.102	166. / 164.	1.387	20.0	IA VV RF			1.00
43T	0.890	169. / 188.	0.269	20.0	IA VV RF			1.00
44T	0.941	248. / 188.	0.258	20.0	IA BB RF			1.00
45T	0.943	284. / 188.	0.256	20.0	IA BB RF			1.00

COPY
ORIGINAL IS FILED IN CSF 17791

47T	1.002	178. / 188.	1.187	20.0	IA BV RF		1.00
48T	1.010	178. / 188.	1.210	20.0	IA VV RF		1.00
49T	1.039	167. / 188.	1.071	20.0	IA BB RF		1.00
50T	1.105	149. / 188.	1.351	20.0	IA BB RF		1.00
51T	1.175	202. / 188.	1.374	20.0	IA BV RF		1.00
52T	0.870	202. / 240.	1.185	20.0	IA VV RF		1.00
53T	0.954	149. / 240.	0.532	20.0	IA BB RF		1.00
54T	1.002	252. / 240.	0.178	20.0	IA VV RF		1.00
55T	0.999	228. / 240.	1.358	20.0	IA VV RF		1.00
56T	1.002	228. / 240.	0.978	20.0	IA VV RF		1.00
57T	1.019	149. / 240.	0.753	20.0	IA VB RF		1.00
58T	0.953	149. / 264.	1.121	20.0	IA BB RF		1.00
59T	0.969	252. / 264.	1.346	20.0	IA BV RF		1.00
60T	0.972	252. / 264.	1.007	20.0	IA VV RF		1.00
61T	0.995	252. / 264.	1.119	20.0	IA VB RF		1.00
62T	1.077	276. / 264.	1.167	20.0	IA O RF		1.00
63T	1.079	278. / 264.	1.079	20.0	IA O RF		1.00
64T	1.093	276. / 264.	1.240	20.0	IA O RF		1.00
65T	0.827	82. / 136.	0.360	20.0	IA VB RF		1.00
66T	0.886	172. / 164.	1.310	20.0	IA BV RF		1.00
67T	0.895	244. / 240.	0.715	20.0	IA BB RF		1.00
68T	0.915	99. / 152.	2.157	20.0	IA BV RF		1.00
69T	0.631	112. / 152.	1.437	20.0	IA BV RF		1.00
70T	1.146	330. / 164.	0.127	20.0	IA BV RF		1.00
71T	0.932	132. / 152.	1.347	20.0	IA BB RF		1.00
72T	1.049	152. / 152.	0.942	20.0	IA VV RF		1.00
81T	1.002	152. / 152.	2.000	20.0	IA VV RF		1.00
82T	1.000	136. / 136.	2.000	20.0	IA VV RF		1.00
83T	1.000	164. / 164.	2.000	20.0	IA VB RF		1.00
84T	1.007	188. / 188.	2.000	20.0	IA VV RF		1.00
85T	1.000	240. / 240.	2.000	20.0	IA BV RF		1.00
86T	1.000	264. / 264.	2.000	20.0	IA BV RF		1.00

COPY
ORIGINAL IS FILED IN CSF 17791

DV0:[301,20]SML0224, SSTD050 EXTR03, 24-FEB-92, 15:34:09
Q1 TIC, Sns: 1-3287, Max: 199035, C Max: 199035, RT: 1.6, 27.5



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

COPY
ORIGINAL IS FILED IN CSF 17791
000592

Box number 1 Scans available 1-3287

HADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC.'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:SML0224
Injection time: 24-FEB-92 15:34:09
Comments:
SSTD050 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

COPY
ORIGINAL IS FILED IN CSF 17791

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

COPY
ORIGINAL IS FILED IN CSF 17791

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

COPY
ORIGINAL IS FILED IN CSF 1779

1S	5. 55	498					STD	0. 96	40. 0	NG
2S	8. 00	809					STD	0. 83	40. 0	NG
3S	11. 67	1276					STD	0. 90	40. 0	NG
4S	14. 85	1680					STD	0. 92	40. 0	NG
5S	20. 58	2408					STD	0. 92	40. 0	NG
6S	23. 45	2772					STD	1. 00	40. 0	NG
1T	5. 10	442	94. /	152.	99442. /	40021.	1	0. 95	50. 0	NG
2T	5. 18	451	93. /	152.	62456. /	40021.	1	0. 90	50. 0	NG
3T	5. 20	453	128. /	152.	72979. /	40021.	1	0. 80	50. 0	NG
4T	5. 43	484	146. /	152.	75315. /	40021.	1	0. 96	50. 0	NG
5T	5. 58	502	146. /	152.	77064. /	40021.	1	0. 96	50. 0	NG
6T	5. 83	535	146. /	152.	65441. /	40021.	1	0. 92	50. 0	NG
7T	6. 18	578	108. /	152.	81485. /	40021.	1	0. 92	50. 0	NG
8T	6. 23	584	45. /	152.	25862. /	40021.	1	0. 71	50. 0	NG
9T	6. 50	618	108. /	152.	88782. /	40021.	1	1. 00	50. 0	NG
10T	6. 42	609	70. /	152.	57446. /	40021.	1	0. 93	50. 0	NG
11T	6. 45	613	117. /	152.	38740. /	40021.	1	1. 00	50. 0	NG
12T	6. 65	638	77. /	136.	85962. /	194348.	2	0. 95	50. 0	NG
13T	7. 17	703	82. /	136.	135925. /	194348.	2	0. 88	50. 0	NG
14T	7. 27	716	139. /	136.	42076. /	194348.	2	1. 00	50. 0	NG
15T	7. 52	748	107. /	136.	89794. /	194348.	2	1. 00	50. 0	NG
16T	7. 68	770	93. /	136.	105801. /	194348.	2	0. 92	50. 0	NG
17T	7. 78	783	162. /	136.	65039. /	194348.	2	0. 93	50. 0	NG
18T	7. 92	798	180. /	136.	73566. /	194348.	2	0. 96	50. 0	NG
19T	8. 03	814	128. /	136.	249276. /	194348.	2	0. 95	50. 0	NG
20T	8. 23	840	127. /	136.	35689. /	194348.	2	0. 96	50. 0	NG
21T	8. 35	854	225. /	136.	43298. /	194348.	2	1. 00	50. 0	NG
22T	9. 38	986	107. /	136.	90378. /	194348.	2	1. 00	50. 0	NG
23T	9. 48	999	142. /	136.	170826. /	194348.	2	0. 82	50. 0	NG
24T	9. 83	1043	237. /	164.	56298. /	107449.	3	0. 93	50. 0	NG
25T	10. 15	1083	196. /	164.	51067. /	107449.	3	1. 00	50. 0	NG
26T	10. 22	1092	196. /	164.	59390. /	107449.	3	1. 00	50. 0	NG
27T	10. 50	1127	162. /	164.	148110. /	107449.	3	0. 92	50. 0	NG
28T	10. 80	1166	65. /	164.	56406. /	107449.	3	1. 00	50. 0	NG
29T	11. 30	1229	163. /	164.	156216. /	107449.	3	0. 95	50. 0	NG
30T	11. 35	1236	152. /	164.	245768. /	107449.	3	0. 83	50. 0	NG
31T	11. 38	1240	165. /	164.	36492. /	107449.	3	0. 96	50. 0	NG
32T	11. 70	1280	138. /	164.	36022. /	107449.	3	0. 96	50. 0	NG
33T	11. 75	1285	153. /	164.	147326. /	107449.	3	0. 92	50. 0	NG
34T	11. 93	1309	184. /	164.	14098. /	107449.	3	0. 96	50. 0	NG
35T	12. 23	1348	109. /	164.	22946. /	107449.	3	0. 86	50. 0	NG
36T	12. 13	1334	168. /	164.	225960. /	107449.	3	0. 90	50. 0	NG
37T	12. 22	1346	165. /	164.	44923. /	107449.	3	0. 92	50. 0	NG
38T	12. 85	1426	149. /	164.	164936. /	107449.	3	0. 83	50. 0	NG
39T	12. 95	1439	204. /	164.	86741. /	107449.	3	0. 96	50. 0	NG
40T	12. 87	1427	166. /	164.	166254. /	107449.	3	0. 62	50. 0	NG
41T	13. 00	1445	138. /	164.	31670. /	107449.	3	0. 91	50. 0	NG
42T	13. 07	1454	198. /	188.	18912. /	172246.	4	1. 00	50. 0	NG
43T	13. 23	1474	169. /	188.	71236. /	172246.	4	0. 92	50. 0	NG
44T	14. 00	1571	248. /	188.	50079. /	172246.	4	1. 00	50. 0	NG
45T	14. 02	1573	284. /	188.	47524. /	172246.	4	1. 00	50. 0	NG
46T	14. 50	1636	266. /	188.	26608. /	172246.	4	0. 97	50. 0	NG
47T	14. 90	1686	178. /	188.	224414. /	172246.	4	0. 96	50. 0	NG
48T	15. 02	1700	178. /	188.	214522. /	172246.	4	0. 92	50. 0	NG
49T	15. 43	1754	167. /	188.	170934. /	172246.	4	0. 87	50. 0	NG
50T	16. 42	1879	149. /	188.	207732. /	172246.	4	0. 77	50. 0	NG

51T	17.45	2011	202. /	188.	189272. /	172246.	4	0.95	50.0	NG
52T	17.92	2070	202. /	240.	197128. /	109372.	5	0.94	50.0	NG
53T	19.65	2289	149. /	240.	70356. /	109372.	5	1.00	50.0	NG
54T	20.63	2414	252. /	240.	25890. /	109372.	5	1.00	50.0	NG
55T	20.57	2406	228. /	240.	181086. /	109372.	5	0.76	50.0	NG
56T	20.63	2415	228. /	240.	139228. /	109372.	5	0.97	50.0	NG
57T	21.00	2461	149. /	240.	92365. /	109372.	5	0.95	50.0	NG
58T	22.35	2633	149. /	264.	146531. /	114306.	6	0.57	50.0	NG
59T	22.75	2683	252. /	264.	176004. /	114306.	6	0.92	50.0	NG
60T	22.80	2690	252. /	264.	138668. /	114306.	6	0.93	50.0	NG
61T	23.33	2758	252. /	264.	148964. /	114306.	6	0.93	50.0	NG
62T	25.25	3001	276. /	264.	148943. /	114306.	6	0.00	50.0	NG
63T	25.32	3009	278. /	264.	150733. /	114306.	6	0.00	50.0	NG
64T	25.65	3051	276. /	264.	150963. /	114306.	6	0.00	50.0	NG
65T	6.62	633	82. /	136.	83114. /	194348.	2	0.93	50.0	NG
66T	10.33	1107	172. /	164.	156728. /	107449.	3	0.93	50.0	NG
67T	18.43	2135	244. /	240.	118673. /	109372.	5	1.00	50.0	NG
68T	5.08	439	99. /	152.	87362. /	40021.	1	0.81	50.0	NG
69T	3.50	237	112. /	152.	62491. /	40021.	1	0.96	50.0	NG
70T	13.38	1493	330. /	164.	17797. /	107449.	3	0.85	50.0	NG
71T	5.17	449	132. /	152.	56695. /	40021.	1	0.75	50.0	NG
72T	5.80	531	152. /	152.	44219. /	40021.	1	0.92	50.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	5.55	498	152. /	152.	40021. /	40021.	1	0.96	50.0	NG
82T	8.00	809	136. /	136.	194348. /	194348.	2	0.83	50.0	NG
83T	11.67	1276	164. /	164.	107449. /	107449.	3	0.86	50.0	NG
84T	14.85	1680	188. /	188.	172246. /	172246.	4	0.92	50.0	NG
85T	20.58	2408	240. /	240.	109372. /	109372.	5	0.92	50.0	NG
86T	23.45	2772	264. /	264.	114306. /	114306.	6	1.00	50.0	NG

COPY
ORIGINAL IS FILED IN CSF 1779/

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:SML0224
Injection time: 24-FEB-92 15:34:09

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.919	94. / 152.	1.988	50.0	IA BV RF			1.00
2T	0.933	93. / 152.	1.248	50.0	IA VV RF			1.00
3T	0.937	128. / 152.	1.459	50.0	IA BB RF			1.00
4T	0.978	146. / 152.	1.506	50.0	IA BV RF			1.00
5T	1.005	146. / 152.	1.540	50.0	IA VV RF			1.00
6T	1.050	146. / 152.	1.308	50.0	IA VB RF			1.00
7T	1.114	108. / 152.	1.629	50.0	IA VB RF			1.00
8T	1.123	45. / 152.	0.517	50.0	IA VV RF			1.00
9T	1.171	108. / 152.	1.775	50.0	IA VB RF			1.00
10T	1.157	70. / 152.	1.148	50.0	IA BV RF			1.00
11T	1.162	117. / 152.	0.774	50.0	IA BB RF			1.00
12T	0.831	77. / 136.	0.354	50.0	IA VV RF			1.00
13T	0.896	82. / 136.	0.560	50.0	IA VV RF			1.00
14T	0.909	139. / 136.	0.173	50.0	IA VB RF			1.00
15T	0.940	107. / 136.	0.370	50.0	IA VV RF			1.00
16T	0.960	93. / 136.	0.436	50.0	IA VV RF			1.00
17T	0.973	162. / 136.	0.268	50.0	IA BB RF			1.00
18T	0.990	180. / 136.	0.303	50.0	IA BV RF			1.00
19T	1.004	128. / 136.	1.026	50.0	IA VV RF			1.00
20T	1.029	127. / 136.	0.147	50.0	IA VV RF			1.00
21T	1.044	225. / 136.	0.178	50.0	IA VB RF			1.00
22T	1.173	107. / 136.	0.372	50.0	IA BB RF			1.00
23T	1.185	142. / 136.	0.703	50.0	IA VV RF			1.00
24T	0.842	237. / 164.	0.419	50.0	IA BB RF			1.00
25T	0.870	196. / 164.	0.380	50.0	IA BV RF			1.00
26T	0.876	196. / 164.	0.442	50.0	IA VB RF			1.00
27T	0.900	162. / 164.	1.103	50.0	IA VB RF			1.00
28T	0.925	65. / 164.	0.420	50.0	IA BB RF			1.00
29T	0.968	163. / 164.	1.163	50.0	IA BV RF			1.00
30T	0.973	152. / 164.	1.830	50.0	IA BV RF			1.00
31T	0.975	165. / 164.	0.272	50.0	IA BV RF			1.00
32T	1.003	138. / 164.	0.268	50.0	IA BV RF			1.00
33T	1.007	153. / 164.	1.097	50.0	IA VV RF			1.00
34T	1.022	184. / 164.	0.105	50.0	IA BB RF			1.00
35T	1.048	109. / 164.	0.171	50.0	IA VB RF			1.00
36T	1.039	168. / 164.	1.682	50.0	IA VV RF			1.00
37T	1.047	165. / 164.	0.334	50.0	IA VB RF			1.00
38T	1.101	149. / 164.	1.228	50.0	IA BV RF			1.00
39T	1.110	204. / 164.	0.646	50.0	IA BB RF			1.00
40T	1.103	166. / 164.	1.238	50.0	IA VV RF			1.00

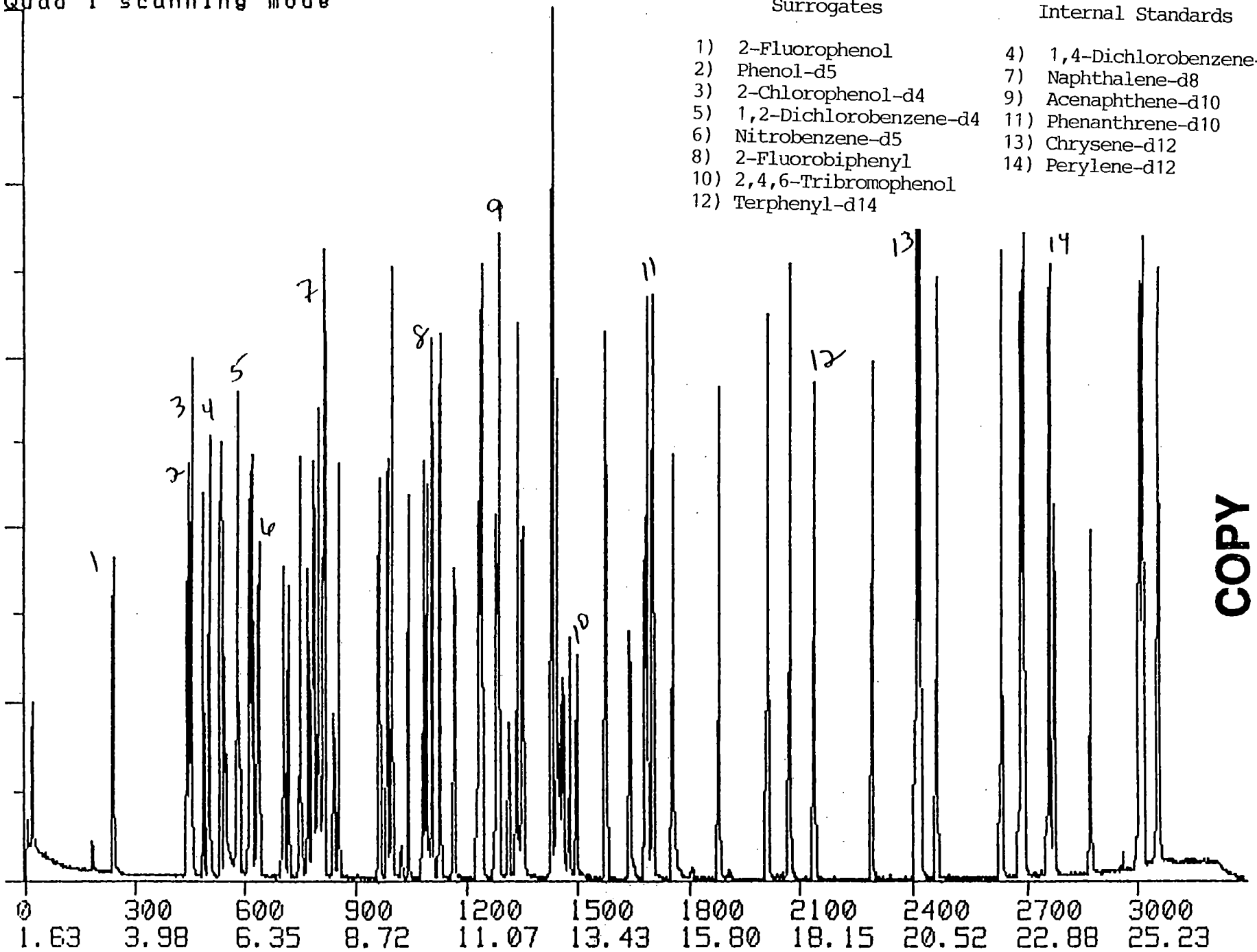
COPY
ORIGINAL IS FILED IN CSF 17791

41T	1.114	138. / 164.	0.236	50.0	IA VV RF	1.00
42T	0.880	198. / 188.	0.088	50.0	IA BB RF	1.00
43T	0.891	169. / 188.	0.331	50.0	IA VV RF	1.00
44T	0.943	248. / 188.	0.233	50.0	IA BV RF	1.00
45T	0.944	284. / 188.	0.221	50.0	IA BB RF	1.00
46T	0.976	266. / 188.	0.124	50.0	IA BV RF	1.00
47T	1.003	178. / 188.	1.042	50.0	IA BV RF	1.00
48T	1.011	178. / 188.	0.996	50.0	IA VV RF	1.00
49T	1.039	167. / 188.	0.794	50.0	IA BV RF	1.00
50T	1.106	149. / 188.	0.965	50.0	IA BB RF	1.00
51T	1.175	202. / 188.	0.879	50.0	IA BV RF	1.00
52T	0.871	202. / 240.	1.442	50.0	IA VV RF	1.00
53T	0.955	149. / 240.	0.515	50.0	IA BV RF	1.00
54T	1.002	252. / 240.	0.189	50.0	IA BB RF	1.00
55T	1.000	228. / 240.	1.325	50.0	IA VV RF	1.00
56T	1.002	228. / 240.	1.018	50.0	IA VV RF	1.00
57T	1.020	149. / 240.	0.676	50.0	IA VB RF	1.00
58T	0.953	149. / 264.	1.026	50.0	IA BV RF	1.00
59T	0.970	252. / 264.	1.232	50.0	IA VV RF	1.00
60T	0.972	252. / 264.	0.970	50.0	IA VV RF	1.00
61T	0.995	252. / 264.	1.043	50.0	IA VV RF	1.00
62T	1.077	276. / 264.	1.042	50.0	IA O RF	1.00
63T	1.080	278. / 264.	1.055	50.0	IA O RF	1.00
64T	1.094	276. / 264.	1.057	50.0	IA O RF	1.00
65T	0.827	82. / 136.	0.342	50.0	IA VV RF	1.00
66T	0.885	172. / 164.	1.167	50.0	IA BV RF	1.00
67T	0.896	244. / 240.	0.868	50.0	IA BB RF	1.00
68T	0.915	99. / 152.	1.746	50.0	IA BV RF	1.00
69T	0.631	112. / 152.	1.249	50.0	IA BV RF	1.00
70T	1.147	330. / 164.	0.133	50.0	IA BV RF	1.00
71T	0.932	132. / 152.	1.133	50.0	IA BB RF	1.00
72T	1.045	152. / 152.	0.884	50.0	IA VB RF	1.00
81T	1.000	152. / 152.	0.800	50.0	IA BV RF	1.00
82T	1.000	136. / 136.	0.800	50.0	IA VV RF	1.00
83T	1.000	164. / 164.	0.800	50.0	IA VB RF	1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF	1.00
86T	1.000	264. / 264.	0.800	50.0	IA BV RF	1.00

COPY
ORIGINAL IS FILED IN CSF 17791

SY0:SM0224 SSTD080 EXTR03
24-FEB-92 16:07:13
Total Ion Current
Quad 1 scanning mode

100%
286262



000599

COPY
ORIGINAL IS FILED IN CSF 17791

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:SM0224
Injection time: 24-FEB-92 16:07:13
Comments:
SSTD080 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

COPY
ORIGINAL IS FILED IN CSF 17791

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

COPY
ORIGINAL IS FILED IN CSF 17791

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

COPY
ORIGINAL IS FILED IN CSF 17791

1S	5. 57	500					STD	0. 92	40. 0	NG
2S	8. 00	810					STD	0. 94	40. 0	NG
3S	11. 68	1278					STD	0. 95	40. 0	NG
4S	14. 87	1681					STD	0. 89	40. 0	NG
5S	20. 60	2411					STD	0. 84	40. 0	NG
6S	23. 47	2774					STD	0. 87	40. 0	NG
1T	5. 13	445	94. /	152.	154562. /	41366.	1	0. 85	80. 0	NG
2T	5. 20	454	93. /	152.	92676. /	41366.	1	0. 80	80. 0	NG
3T	5. 22	455	128. /	152.	111736. /	41366.	1	0. 72	80. 0	NG
4T	5. 45	485	146. /	152.	119712. /	41366.	1	1. 00	80. 0	NG
5T	5. 60	504	146. /	152.	122436. /	41366.	1	0. 92	80. 0	NG
6T	5. 85	537	146. /	152.	100216. /	41366.	1	0. 96	80. 0	NG
7T	6. 20	580	108. /	152.	124125. /	41366.	1	0. 88	80. 0	NG
8T	6. 23	585	45. /	152.	38314. /	41366.	1	0. 77	80. 0	NG
9T	6. 52	621	108. /	152.	138200. /	41366.	1	0. 90	80. 0	NG
10T	6. 45	612	70. /	152.	87400. /	41366.	1	0. 93	80. 0	NG
11T	6. 47	615	117. /	152.	56851. /	41366.	1	1. 00	80. 0	NG
12T	6. 67	640	77. /	136.	132704. /	197966.	2	0. 85	80. 0	NG
13T	7. 18	706	82. /	136.	251934. /	197966.	2	0. 60	80. 0	NG
14T	7. 28	719	139. /	136.	65787. /	197966.	2	1. 00	80. 0	NG
15T	7. 53	751	107. /	136.	138972. /	197966.	2	1. 00	80. 0	NG
16T	7. 70	772	93. /	136.	166906. /	197966.	2	0. 84	80. 0	NG
17T	7. 82	786	162. /	136.	99117. /	197966.	2	0. 89	80. 0	NG
18T	7. 93	800	180. /	136.	114787. /	197966.	2	1. 00	80. 0	NG
19T	8. 05	816	128. /	136.	384236. /	197966.	2	0. 90	80. 0	NG
20T	8. 25	842	127. /	136.	59609. /	197966.	2	1. 00	80. 0	NG
21T	8. 37	856	225. /	136.	66102. /	197966.	2	1. 00	80. 0	NG
22T	9. 40	988	107. /	136.	138545. /	197966.	2	1. 00	80. 0	NG
23T	9. 50	1001	142. /	136.	267264. /	197966.	2	0. 82	80. 0	NG
24T	9. 85	1045	237. /	164.	82947. /	104729.	3	0. 93	80. 0	NG
25T	10. 17	1085	196. /	164.	80920. /	104729.	3	1. 00	80. 0	NG
26T	10. 23	1094	196. /	164.	90401. /	104729.	3	1. 00	80. 0	NG
27T	10. 52	1129	162. /	164.	223614. /	104729.	3	0. 92	80. 0	NG
28T	10. 82	1168	65. /	164.	85605. /	104729.	3	1. 00	80. 0	NG
29T	11. 33	1232	163. /	164.	235322. /	104729.	3	0. 85	80. 0	NG
30T	11. 37	1238	152. /	164.	372288. /	104729.	3	0. 83	80. 0	NG
31T	11. 40	1242	165. /	164.	55389. /	104729.	3	0. 96	80. 0	NG
32T	11. 72	1282	138. /	164.	57912. /	104729.	3	0. 96	80. 0	NG
33T	11. 77	1287	153. /	164.	220554. /	104729.	3	0. 92	80. 0	NG
34T	11. 95	1311	184. /	164.	26745. /	104729.	3	1. 00	80. 0	NG
35T	12. 27	1351	109. /	164.	39177. /	104729.	3	0. 81	80. 0	NG
36T	12. 15	1336	168. /	164.	353780. /	104729.	3	0. 90	80. 0	NG
37T	12. 23	1348	165. /	164.	78162. /	104729.	3	0. 96	80. 0	NG
38T	12. 88	1429	149. /	164.	249700. /	104729.	3	0. 79	80. 0	NG
39T	12. 98	1442	204. /	164.	130667. /	104729.	3	0. 96	80. 0	NG
40T	12. 88	1429	166. /	164.	254678. /	104729.	3	0. 66	80. 0	NG
41T	13. 03	1448	138. /	164.	55833. /	104729.	3	1. 00	80. 0	NG
42T	13. 10	1457	198. /	188.	36359. /	182920.	4	1. 00	80. 0	NG
43T	13. 25	1476	169. /	188.	92382. /	182920.	4	0. 84	80. 0	NG
44T	14. 02	1573	248. /	188.	77670. /	182920.	4	0. 96	80. 0	NG
45T	14. 03	1575	284. /	188.	77977. /	182920.	4	1. 00	80. 0	NG
46T	14. 52	1638	266. /	188.	52235. /	182920.	4	1. 00	80. 0	NG
47T	14. 92	1688	178. /	188.	379104. /	182920.	4	0. 96	80. 0	NG
48T	15. 03	1702	178. /	188.	368280. /	182920.	4	0. 96	80. 0	NG
49T	15. 45	1756	167. /	188.	349324. /	182920.	4	0. 93	80. 0	NG
50T	16. 43	1881	149. /	188.	456552. /	182920.	4	0. 77	80. 0	NG

000602

51T	17. 47	2013	202. / 188.	428008. /	182920.	4	0. 95	80. 0	NG
52T	17. 93	2072	202. / 240.	445980. /	201396.	5	0. 94	80. 0	NG
53T	19. 67	2291	149. / 240.	210994. /	201396.	5	0. 92	80. 0	NG
54T	20. 65	2416	252. / 240.	56566. /	201396.	5	1. 00	80. 0	NG
55T	20. 58	2409	228. / 240.	490172. /	201396.	5	0. 88	80. 0	NG
56T	20. 67	2418	228. / 240.	369832. /	201396.	5	0. 90	80. 0	NG
57T	21. 02	2463	149. / 240.	303422. /	201396.	5	0. 91	80. 0	NG
58T	22. 37	2635	149. / 264.	537848. /	229440.	6	0. 41	80. 0	NG
59T	22. 78	2687	252. / 264.	527128. /	229440.	6	0. 92	80. 0	NG
60T	22. 83	2694	252. / 264.	418396. /	229440.	6	0. 89	80. 0	NG
61T	23. 37	2762	252. / 264.	455348. /	229440.	6	0. 90	80. 0	NG
62T	25. 28	3005	276. / 264.	456672. /	229440.	6	0. 00	80. 0	NG
63T	25. 35	3013	278. / 264.	447900. /	229440.	6	0. 00	80. 0	NG
64T	25. 68	3056	276. / 264.	461008. /	229440.	6	0. 00	80. 0	NG
65T	6. 63	635	82. / 136.	133631. /	197966.	2	0. 93	80. 0	NG
66T	10. 35	1109	172. / 164.	256124. /	104729.	3	0. 93	80. 0	NG
67T	18. 45	2137	244. / 240.	296534. /	201396.	5	0. 87	80. 0	NG
68T	5. 10	442	99. / 152.	145701. /	41366.	1	0. 81	80. 0	NG
69T	3. 52	239	112. / 152.	102284. /	41366.	1	0. 96	80. 0	NG
70T	13. 40	1495	330. / 164.	32030. /	104729.	3	0. 88	80. 0	NG
71T	5. 18	451	132. / 152.	94413. /	41366.	1	0. 79	80. 0	NG
72T	5. 82	533	152. / 152.	71632. /	41366.	1	0. 89	80. 0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	5. 57	500	152. / 152.	41366. /	41366.	1	0. 92	80. 0	NG
82T	8. 00	810	136. / 136.	197966. /	197966.	2	0. 94	80. 0	NG
83T	11. 68	1278	164. / 164.	104729. /	104729.	3	0. 97	80. 0	NG
84T	14. 87	1681	188. / 188.	182920. /	182920.	4	0. 89	80. 0	NG
85T	20. 60	2411	240. / 240.	201396. /	201396.	5	0. 84	80. 0	NG
86T	23. 47	2774	264. / 264.	229440. /	229440.	6	0. 87	80. 0	NG

COPY
ORIGINAL IS FILED IN CSF 17791

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:SM0224
Injection time: 24-FEB-92 16:07:13

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.921	94. / 152.	1.868	80.0	IA	BV	RF			1.00
2T	0.934	93. / 152.	1.120	80.0	IA	VV	RF			1.00
3T	0.937	128. / 152.	1.351	80.0	IA	BV	RF			1.00
4T	0.978	146. / 152.	1.447	80.0	IA	BV	RF			1.00
5T	1.005	146. / 152.	1.480	80.0	IA	VV	RF			1.00
6T	1.050	146. / 152.	1.211	80.0	IA	VV	RF			1.00
7T	1.113	108. / 152.	1.500	80.0	IA	VB	RF			1.00
8T	1.118	45. / 152.	0.463	80.0	IA	BV	RF			1.00
9T	1.171	108. / 152.	1.670	80.0	IA	VV	RF			1.00
10T	1.158	70. / 152.	1.056	80.0	IA	BV	RF			1.00
11T	1.162	117. / 152.	0.687	80.0	IA	BB	RF			1.00
12T	0.834	77. / 136.	0.335	80.0	IA	VV	RF			1.00
13T	0.897	82. / 136.	0.636	80.0	IA	VV	RF			1.00
14T	0.910	139. / 136.	0.166	80.0	IA	VB	RF			1.00
15T	0.941	107. / 136.	0.351	80.0	IA	VV	RF			1.00
16T	0.962	93. / 136.	0.422	80.0	IA	VV	RF			1.00
17T	0.978	162. / 136.	0.250	80.0	IA	BB	RF			1.00
18T	0.991	180. / 136.	0.290	80.0	IA	BB	RF			1.00
19T	1.006	128. / 136.	0.970	80.0	IA	VV	RF			1.00
20T	1.031	127. / 136.	0.151	80.0	IA	VV	RF			1.00
21T	1.046	225. / 136.	0.167	80.0	IA	VB	RF			1.00
22T	1.175	107. / 136.	0.350	80.0	IA	VB	RF			1.00
23T	1.188	142. / 136.	0.675	80.0	IA	VV	RF			1.00
24T	0.843	237. / 164.	0.396	80.0	IA	BB	RF			1.00
25T	0.871	196. / 164.	0.386	80.0	IA	BV	RF			1.00
26T	0.876	196. / 164.	0.432	80.0	IA	VB	RF			1.00
27T	0.901	162. / 164.	1.068	80.0	IA	VV	RF			1.00
28T	0.926	65. / 164.	0.409	80.0	IA	VV	RF			1.00
29T	0.970	163. / 164.	1.123	80.0	IA	BV	RF			1.00
30T	0.973	152. / 164.	1.777	80.0	IA	BV	RF			1.00
31T	0.976	165. / 164.	0.264	80.0	IA	BV	RF			1.00
32T	1.003	138. / 164.	0.276	80.0	IA	VV	RF			1.00
33T	1.008	153. / 164.	1.053	80.0	IA	VV	RF			1.00
34T	1.023	184. / 164.	0.128	80.0	IA	BB	RF			1.00
35T	1.051	109. / 164.	0.187	80.0	IA	VB	RF			1.00
36T	1.040	168. / 164.	1.689	80.0	IA	VV	RF			1.00
37T	1.047	165. / 164.	0.373	80.0	IA	VB	RF			1.00
38T	1.103	149. / 164.	1.192	80.0	IA	BV	RF			1.00
39T	1.111	204. / 164.	0.624	80.0	IA	BB	RF			1.00
40T	1.103	166. / 164.	1.216	80.0	IA	BV	RF			1.00

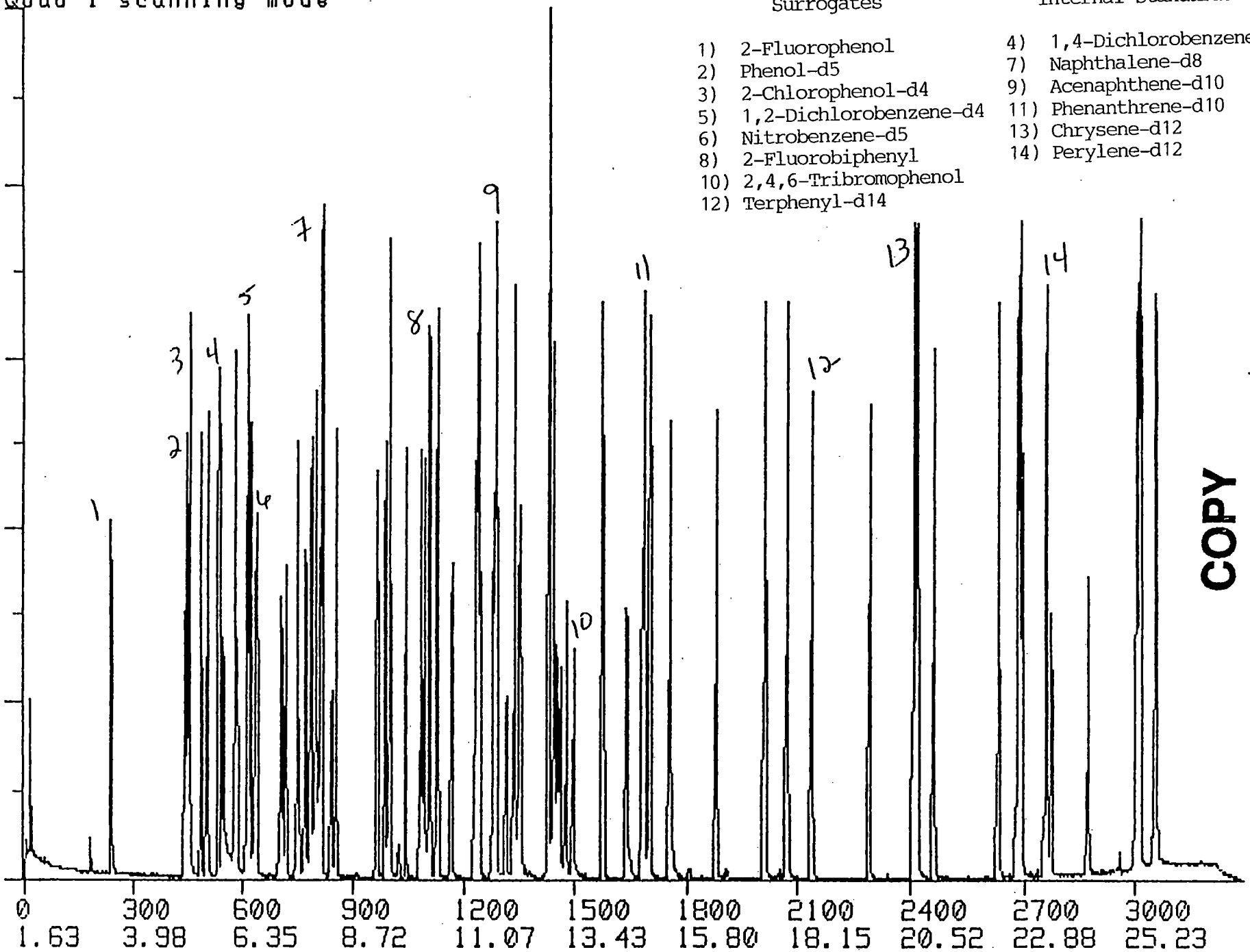
COPY
ORIGINAL IS FILED IN CSF /779/

41T	1.116	138. / 164.	0.267	80.0	IA VV RF	1.00
42T	0.881	198. / 188.	0.099	80.0	IA BV RF	1.00
43T	0.891	169. / 188.	0.253	80.0	IA VV RF	1.00
44T	0.943	248. / 188.	0.212	80.0	IA VB RF	1.00
45T	0.944	284. / 188.	0.213	80.0	IA BB RF	1.00
46T	0.976	266. / 188.	0.143	80.0	IA BB RF	1.00
47T	1.003	178. / 188.	1.036	80.0	IA BV RF	1.00
48T	1.011	178. / 188.	1.007	80.0	IA VV RF	1.00
49T	1.039	167. / 188.	0.955	80.0	IA BB RF	1.00
50T	1.105	149. / 188.	1.248	80.0	IA BV RF	1.00
51T	1.175	202. / 188.	1.170	80.0	IA BB RF	1.00
52T	0.870	202. / 240.	1.107	80.0	IA VV RF	1.00
53T	0.955	149. / 240.	0.524	80.0	IA BB RF	1.00
54T	1.002	252. / 240.	0.140	80.0	IA BV RF	1.00
55T	0.999	228. / 240.	1.217	80.0	IA BV RF	1.00
56T	1.003	228. / 240.	0.918	80.0	IA VV RF	1.00
57T	1.020	149. / 240.	0.753	80.0	IA VB RF	1.00
58T	0.953	149. / 264.	1.172	80.0	IA VV RF	1.00
59T	0.971	252. / 264.	1.149	80.0	IA BV RF	1.00
60T	0.973	252. / 264.	0.912	80.0	IA VV RF	1.00
61T	0.996	252. / 264.	0.992	80.0	IA VV RF	1.00
62T	1.077	276. / 264.	0.995	80.0	IA O RF	1.00
63T	1.080	278. / 264.	0.976	80.0	IA O RF	1.00
64T	1.094	276. / 264.	1.005	80.0	IA O RF	1.00
65T	0.829	82. / 136.	0.338	80.0	IA VV RF	1.00
66T	0.886	172. / 164.	1.223	80.0	IA BV RF	1.00
67T	0.896	244. / 240.	0.736	80.0	IA BV RF	1.00
68T	0.916	99. / 152.	1.761	80.0	IA BV RF	1.00
69T	0.632	112. / 152.	1.236	80.0	IA BV RF	1.00
70T	1.147	330. / 164.	0.153	80.0	IA BB RF	1.00
71T	0.930	132. / 152.	1.141	80.0	IA BV RF	1.00
72T	1.045	152. / 152.	0.866	80.0	IA VB RF	1.00
81T	1.000	152. / 152.	0.500	80.0	IA BV RF	1.00
82T	1.000	136. / 136.	0.500	80.0	IA VV RF	1.00
83T	1.000	164. / 164.	0.500	80.0	IA VB RF	1.00
84T	1.000	188. / 188.	0.500	80.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.500	80.0	IA BB RF	1.00
86T	1.000	264. / 264.	0.500	80.0	IA BV RF	1.00

COPY
ORIGINAL IS FILED IN CSF 17791

SY0:SMH0224 SSTD120 EXTR03
24-FEB-92 16:37:57
Total Ion Current
Quad 1 scanning mode

100%
324117



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

000606

COPY
ORIGINAL IS FILED IN CSF 17791

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC.'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:SMH0224
Injection time: 24-FEB-92 16:37:57
Comments:
SSTD120 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

COPY
ORIGINAL IS FILED IN CSF 17791

000607

COPY
ORIGINAL IS FILED IN CSF 17791

1S	5.57	500					STD	0.92	40.0	NG
2S	8.02	811					STD	0.94	40.0	NG
3S	11.70	1279					STD	0.90	40.0	NG
4S	14.87	1681					STD	0.92	40.0	NG
5S	20.60	2411					STD	0.92	40.0	NG
6S	23.47	2774					STD	0.91	40.0	NG
1T	5.13	446	94. /	152.	213478. /	36331.	1	0.95	120.0	NG
2T	5.20	454	93. /	152.	120343. /	36331.	1	0.80	120.0	NG
3T	5.22	456	128. /	152.	145154. /	36331.	1	0.76	120.0	NG
4T	5.45	486	146. /	152.	154100. /	36331.	1	0.84	120.0	NG
5T	5.60	504	146. /	152.	157274. /	36331.	1	0.88	120.0	NG
6T	5.85	537	146. /	152.	129816. /	36331.	1	0.92	120.0	NG
7T	6.20	581	108. /	152.	161282. /	36331.	1	0.76	120.0	NG
8T	6.23	586	45. /	152.	54014. /	36331.	1	0.71	120.0	NG
9T	6.52	622	108. /	152.	183422. /	36331.	1	0.79	120.0	NG
10T	6.45	613	70. /	152.	107862. /	36331.	1	0.93	120.0	NG
11T	6.47	615	117. /	152.	74842. /	36331.	1	1.00	120.0	NG
12T	6.68	642	77. /	136.	167702. /	170338.	2	0.85	120.0	NG
13T	7.20	707	82. /	136.	317736. /	170338.	2	0.83	120.0	NG
14T	7.30	720	139. /	136.	87524. /	170338.	2	1.00	120.0	NG
15T	7.55	752	107. /	136.	188244. /	170338.	2	0.87	120.0	NG
16T	7.72	773	93. /	136.	214940. /	170338.	2	0.84	120.0	NG
17T	7.82	787	162. /	136.	130454. /	170338.	2	0.93	120.0	NG
18T	7.93	800	180. /	136.	146037. /	170338.	2	1.00	120.0	NG
19T	8.07	817	128. /	136.	505384. /	170338.	2	0.85	120.0	NG
20T	8.27	843	127. /	136.	90551. /	170338.	2	1.00	120.0	NG
21T	8.37	856	225. /	136.	85699. /	170338.	2	1.00	120.0	NG
22T	9.40	988	107. /	136.	179712. /	170338.	2	0.82	120.0	NG
23T	9.52	1002	142. /	136.	341596. /	170338.	2	0.82	120.0	NG
24T	9.87	1046	237. /	164.	112993. /	80660.	3	0.93	120.0	NG
25T	10.18	1086	196. /	164.	102602. /	80660.	3	1.00	120.0	NG
26T	10.25	1095	196. /	164.	118838. /	80660.	3	1.00	120.0	NG
27T	10.52	1130	162. /	164.	289186. /	80660.	3	0.92	120.0	NG
28T	10.83	1170	65. /	164.	115406. /	80660.	3	1.00	120.0	NG
29T	11.33	1233	163. /	164.	320252. /	80660.	3	0.75	120.0	NG
30T	11.38	1239	152. /	164.	471192. /	80660.	3	0.83	120.0	NG
31T	11.42	1243	165. /	164.	76905. /	80660.	3	1.00	120.0	NG
32T	11.73	1284	138. /	164.	78738. /	80660.	3	0.89	120.0	NG
33T	11.77	1288	153. /	164.	290368. /	80660.	3	0.92	120.0	NG
34T	11.95	1312	184. /	164.	40403. /	80660.	3	1.00	120.0	NG
35T	12.28	1353	109. /	164.	54242. /	80660.	3	0.86	120.0	NG
36T	12.15	1337	168. /	164.	445400. /	80660.	3	0.81	120.0	NG
37T	12.25	1349	165. /	164.	104623. /	80660.	3	0.92	120.0	NG
38T	12.88	1429	149. /	164.	339472. /	80660.	3	0.83	120.0	NG
39T	12.98	1442	204. /	164.	170368. /	80660.	3	0.81	120.0	NG
40T	12.88	1430	166. /	164.	328054. /	80660.	3	0.62	120.0	NG
41T	13.05	1451	138. /	164.	84105. /	80660.	3	0.95	120.0	NG
42T	13.10	1458	198. /	188.	51879. /	158862.	4	1.00	120.0	NG
43T	13.25	1477	169. /	188.	133313. /	158862.	4	0.84	120.0	NG
44T	14.02	1573	248. /	188.	101430. /	158862.	4	0.96	120.0	NG
45T	14.03	1576	284. /	188.	101671. /	158862.	4	1.00	120.0	NG
46T	14.52	1638	266. /	188.	69523. /	158862.	4	1.00	120.0	NG
47T	14.92	1688	178. /	188.	505140. /	158862.	4	0.92	120.0	NG
48T	15.02	1702	178. /	188.	492500. /	158862.	4	0.96	120.0	NG
49T	15.45	1757	167. /	188.	447712. /	158862.	4	0.93	120.0	NG
50T	6.43	1882	149. /	188.	569816. /	158862.	4	0.77	120.0	NG

000608

51T	17. 48	2014	202. /	188.	533500. /	158862.	4	0. 95	120. 0	NG
52T	17. 95	2073	202. /	240.	556804. /	156046.	5	0. 94	120. 0	NG
53T	19. 65	2290	149. /	240.	242400. /	156046.	5	0. 88	120. 0	NG
54T	20. 65	2416	252. /	240.	60454. /	156046.	5	1. 00	120. 0	NG
55T	20. 58	2409	228. /	240.	585664. /	156046.	5	0. 83	120. 0	NG
56T	20. 67	2419	228. /	240.	394552. /	156046.	5	0. 90	120. 0	NG
57T	21. 02	2463	149. /	240.	331260. /	156046.	5	0. 91	120. 0	NG
58T	22. 37	2635	149. /	264.	594712. /	166002.	6	0. 41	120. 0	NG
59T	22. 78	2687	252. /	264.	632332. /	166002.	6	0. 92	120. 0	NG
60T	22. 83	2695	252. /	264.	471580. /	166002.	6	0. 93	120. 0	NG
61T	23. 38	2763	252. /	264.	520768. /	166002.	6	0. 93	120. 0	NG
62T	25. 28	3006	276. /	264.	538044. /	166002.	6	0. 00	120. 0	NG
63T	25. 35	3014	278. /	264.	521132. /	166002.	6	0. 00	120. 0	NG
64T	25. 68	3057	276. /	264.	528960. /	166002.	6	0. 00	120. 0	NG
65T	6. 63	636	82. /	136.	174862. /	170338.	2	1. 00	120. 0	NG
66T	10. 35	1109	172. /	164.	330656. /	80660.	3	0. 93	120. 0	NG
67T	18. 45	2137	244. /	240.	356960. /	156046.	5	0. 87	120. 0	NG
68T	5. 12	443	99. /	152.	187180. /	36331.	1	0. 71	120. 0	NG
69T	3. 50	238	112. /	152.	133556. /	36331.	1	0. 92	120. 0	NG
70T	13. 40	1495	330. /	164.	44636. /	80660.	3	0. 91	120. 0	NG
71T	5. 18	451	132. /	152.	120188. /	36331.	1	0. 79	120. 0	NG
72T	5. 83	534	152. /	152.	93507. /	36331.	1	0. 73	120. 0	NG
73T	Was Not	Found								
74T	Was Not	Found								
75T	Was Not	Found								
76T	Was Not	Found								
77T	Was Not	Found								
78T	Was Not	Found								
79T	Was Not	Found								
80T	Was Not	Found								
81T	5. 57	500	152. /	152.	36331. /	36331.	1	0. 92	120. 0	NG
82T	8. 02	811	136. /	136.	170338. /	170338.	2	0. 94	120. 0	NG
83T	11. 70	1279	164. /	164.	80660. /	80660.	3	0. 90	120. 0	NG
84T	14. 87	1681	188. /	188.	158862. /	158862.	4	0. 92	120. 0	NG
85T	20. 60	2411	240. /	240.	156046. /	156046.	5	0. 92	120. 0	NG
86T	23. 47	2774	264. /	264.	166002. /	166002.	6	0. 91	120. 0	NG

COPY
ORIGINAL IS FILED IN CSF 17791

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:SMH0224
Injection time: 24-FEB-92 16:37:57

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.921	94. / 152.	1.959	120.0	IA BV RF			1.00
2T	0.934	93. / 152.	1.104	120.0	IA VB RF			1.00
3T	0.937	128. / 152.	1.332	120.0	IA BV RF			1.00
4T	0.978	146. / 152.	1.414	120.0	IA BV RF			1.00
5T	1.005	146. / 152.	1.443	120.0	IA VV RF			1.00
6T	1.050	146. / 152.	1.191	120.0	IA VV RF			1.00
7T	1.113	108. / 152.	1.480	120.0	IA VV RF			1.00
8T	1.118	45. / 152.	0.496	120.0	IA VV RF			1.00
9T	1.171	108. / 152.	1.683	120.0	IA VV RF			1.00
10T	1.158	70. / 152.	0.990	120.0	IA BV RF			1.00
11T	1.162	117. / 152.	0.687	120.0	IA BB RF			1.00
12T	0.833	77. / 136.	0.328	120.0	IA VV RF			1.00
13T	0.898	82. / 136.	0.622	120.0	IA VV RF			1.00
14T	0.910	139. / 136.	0.171	120.0	IA VB RF			1.00
15T	0.941	107. / 136.	0.368	120.0	IA VV RF			1.00
16T	0.963	93. / 136.	0.421	120.0	IA VV RF			1.00
17T	0.975	162. / 136.	0.255	120.0	IA BV RF			1.00
18T	0.989	180. / 136.	0.286	120.0	IA BV RF			1.00
19T	1.006	128. / 136.	0.989	120.0	IA VV RF			1.00
20T	1.031	127. / 136.	0.177	120.0	IA VV RF			1.00
21T	1.044	225. / 136.	0.168	120.0	IA VB RF			1.00
22T	1.172	107. / 136.	0.352	120.0	IA VB RF			1.00
23T	1.187	142. / 136.	0.668	120.0	IA VV RF			1.00
24T	0.844	237. / 164.	0.467	120.0	IA BB RF			1.00
25T	0.870	196. / 164.	0.424	120.0	IA BV RF			1.00
26T	0.876	196. / 164.	0.491	120.0	IA VB RF			1.00
27T	0.899	162. / 164.	1.195	120.0	IA VV RF			1.00
28T	0.926	65. / 164.	0.477	120.0	IA BV RF			1.00
29T	0.968	163. / 164.	1.323	120.0	IA BV RF			1.00
30T	0.973	152. / 164.	1.947	120.0	IA BV RF			1.00
31T	0.976	165. / 164.	0.318	120.0	IA BV RF			1.00
32T	1.003	138. / 164.	0.325	120.0	IA VV RF			1.00
33T	1.006	153. / 164.	1.200	120.0	IA VV RF			1.00
34T	1.021	184. / 164.	0.167	120.0	IA BV RF			1.00
35T	1.050	109. / 164.	0.224	120.0	IA VB RF			1.00
36T	1.038	168. / 164.	1.841	120.0	IA VV RF			1.00
37T	1.047	165. / 164.	0.432	120.0	IA BB RF			1.00
38T	1.101	149. / 164.	1.403	120.0	IA BV RF			1.00
39T	1.109	204. / 164.	0.704	120.0	IA BV RF			1.00
40T	1.101	166. / 164.	1.356	120.0	IA VV RF			1.00

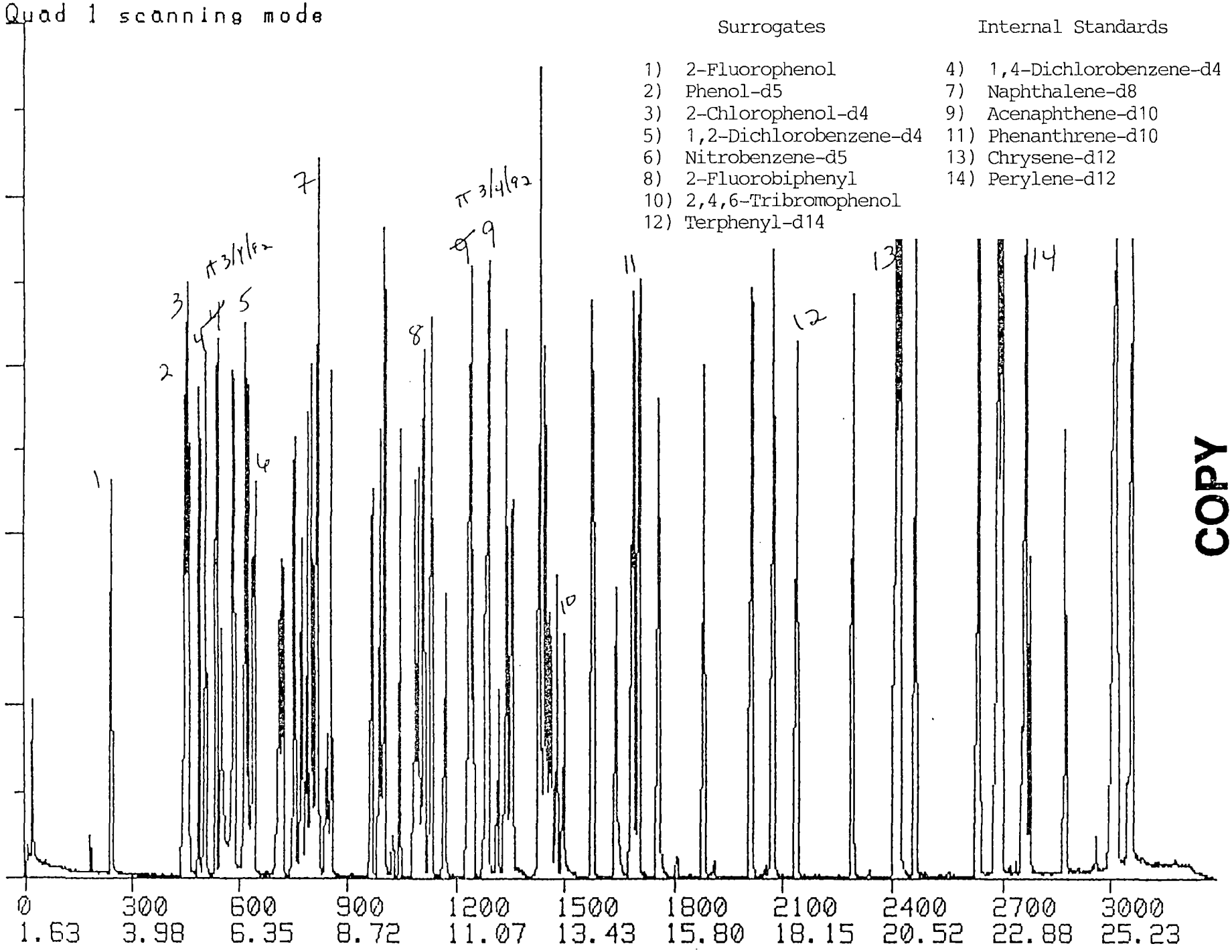
COPY
ORIGINAL IS FILED IN CSF 1779/

41T	1.115	138. / 164.	0.348	120.0	IA VV RF	1.00
42T	0.881	198. / 188.	0.109	120.0	IA BB RF	1.00
43T	0.891	169. / 188.	0.280	120.0	IA VV RF	1.00
44T	0.943	248. / 188.	0.213	120.0	IA VB RF	1.00
45T	0.944	284. / 188.	0.213	120.0	IA BB RF	1.00
46T	0.976	266. / 188.	0.146	120.0	IA BV RF	1.00
47T	1.003	178. / 188.	1.060	120.0	IA BV RF	1.00
48T	1.010	178. / 188.	1.033	120.0	IA VV RF	1.00
49T	1.039	167. / 188.	0.939	120.0	IA BB RF	1.00
50T	1.105	149. / 188.	1.196	120.0	IA BV RF	1.00
51T	1.176	202. / 188.	1.119	120.0	IA BB RF	1.00
52T	0.871	202. / 240.	1.189	120.0	IA VV RF	1.00
53T	0.954	149. / 240.	0.518	120.0	IA BB RF	1.00
54T	1.002	252. / 240.	0.129	120.0	IA BB RF	1.00
55T	0.999	228. / 240.	1.251	120.0	IA BV RF	1.00
56T	1.003	228. / 240.	0.843	120.0	IA VB RF	1.00
57T	1.020	149. / 240.	0.708	120.0	IA VB RF	1.00
58T	0.953	149. / 264.	1.194	120.0	IA VV RF	1.00
59T	0.971	252. / 264.	1.270	120.0	IA VV RF	1.00
60T	0.973	252. / 264.	0.947	120.0	IA VV RF	1.00
61T	0.996	252. / 264.	1.046	120.0	IA VV RF	1.00
62T	1.077	276. / 264.	1.080	120.0	IA O RF	1.00
63T	1.080	278. / 264.	1.046	120.0	IA O RF	1.00
64T	1.094	276. / 264.	1.062	120.0	IA O RF	1.00
65T	0.827	82. / 136.	0.342	120.0	IA VB RF	1.00
66T	0.885	172. / 164.	1.366	120.0	IA BB RF	1.00
67T	0.896	244. / 240.	0.763	120.0	IA BV RF	1.00
68T	0.919	99. / 152.	1.717	120.0	IA BV RF	1.00
69T	0.628	112. / 152.	1.225	120.0	IA BV RF	1.00
70T	1.145	330. / 164.	0.184	120.0	IA BB RF	1.00
71T	0.930	132. / 152.	1.103	120.0	IA BV RF	1.00
72T	1.047	152. / 152.	0.858	120.0	IA VV RF	1.00
81T	1.000	152. / 152.	0.333	120.0	IA VV RF	1.00
82T	1.000	136. / 136.	0.333	120.0	IA VV RF	1.00
83T	1.000	164. / 164.	0.333	120.0	IA VV RF	1.00
84T	1.000	188. / 188.	0.333	120.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.333	120.0	IA BV RF	1.00
86T	1.000	264. / 264.	0.333	120.0	IA BV RF	1.00

COPY
ORIGINAL IS FILED IN CSF 17791

STO:SH0224 SS1D160 EXTR03
24-FEB-92 17:12:48
Total Ion Current
Quad 1 scanning mode

100%
445055



000612

COPY
ORIGINAL IS FILED IN CSF 12791

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:SH0224
Injection time: 24-FEB-92 17:12:48
Comments:
SSTD160 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

COPY
ORIGINAL IS FILED IN CSF 17791

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

COPY
ORIGINAL IS FILED IN CSF /779/

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

COPY
ORIGINAL IS FILED IN CSF 17791

1S	5.57	501					STD	0.92	40.0	NG
2S	8.02	812					STD	0.94	40.0	NG
3S	11.70	1279					STD	0.90	40.0	NG
4S	14.87	1682					STD	0.92	40.0	NG
5S	20.63	2414					STD	0.92	40.0	NG
6S	23.48	2777					STD	0.91	40.0	NG
1T	5.17	450	94. /	152.	339696. /	46843.	1	0.66	160.0	NG
2T	5.23	457	93. /	152.	191598. /	46843.	1	0.66	160.0	NG
3T	5.23	458	128. /	152.	245834. /	46843.	1	0.76	160.0	NG
4T	5.47	487	146. /	152.	258470. /	46843.	1	0.84	160.0	NG
5T	5.62	506	146. /	152.	265732. /	46843.	1	0.88	160.0	NG
6T	5.87	539	146. /	152.	226482. /	46843.	1	0.76	160.0	NG
7T	6.22	583	108. /	152.	273914. /	46843.	1	0.63	160.0	NG
8T	6.23	587	45. /	152.	86334. /	46843.	1	0.65	160.0	NG
9T	6.55	625	108. /	152.	307240. /	46843.	1	0.90	160.0	NG
10T	6.50	618	70. /	152.	176811. /	46843.	1	0.93	160.0	NG
11T	6.48	616	117. /	152.	121573. /	46843.	1	1.00	160.0	NG
12T	6.70	644	77. /	136.	280224. /	214308.	2	0.77	160.0	NG
13T	7.23	712	82. /	136.	524164. /	214308.	2	0.77	160.0	NG
14T	7.30	721	139. /	136.	151090. /	214308.	2	1.00	160.0	NG
15T	7.57	755	107. /	136.	310402. /	214308.	2	0.87	160.0	NG
16T	7.73	775	93. /	136.	355066. /	214308.	2	0.84	160.0	NG
17T	7.83	789	162. /	136.	218056. /	214308.	2	0.89	160.0	NG
18T	7.95	802	180. /	136.	242794. /	214308.	2	0.88	160.0	NG
19T	8.07	818	128. /	136.	813096. /	214308.	2	0.78	160.0	NG
20T	8.28	846	127. /	136.	164323. /	214308.	2	1.00	160.0	NG
21T	8.37	857	225. /	136.	143582. /	214308.	2	0.91	160.0	NG
22T	9.42	990	107. /	136.	286740. /	214308.	2	0.82	160.0	NG
23T	9.52	1003	142. /	136.	541240. /	214308.	2	0.91	160.0	NG
24T	9.87	1046	237. /	164.	185360. /	101254.	3	0.84	160.0	NG
25T	10.18	1087	196. /	164.	175133. /	101254.	3	1.00	160.0	NG
26T	10.25	1096	196. /	164.	173459. /	101254.	3	1.00	160.0	NG
27T	10.53	1131	162. /	164.	455336. /	101254.	3	0.72	160.0	NG
28T	10.85	1172	65. /	164.	178468. /	101254.	3	1.00	160.0	NG
29T	11.35	1235	163. /	164.	508906. /	101254.	3	0.85	160.0	NG
30T	11.38	1240	152. /	164.	703812. /	101254.	3	0.83	160.0	NG
31T	11.43	1246	165. /	164.	82904. /	101254.	3	0.96	160.0	NG
32T	11.75	1286	138. /	164.	132165. /	101254.	3	0.89	160.0	NG
33T	11.78	1290	153. /	164.	436200. /	101254.	3	0.73	160.0	NG
34T	11.98	1315	184. /	164.	67772. /	101254.	3	1.00	160.0	NG
35T	12.30	1355	109. /	164.	94459. /	101254.	3	0.81	160.0	NG
36T	12.17	1338	168. /	164.	692492. /	101254.	3	0.81	160.0	NG
37T	12.27	1352	165. /	164.	176484. /	101254.	3	0.96	160.0	NG
38T	12.90	1432	149. /	164.	524816. /	101254.	3	0.83	160.0	NG
39T	12.98	1443	204. /	164.	270794. /	101254.	3	0.89	160.0	NG
40T	12.90	1431	166. /	164.	500116. /	101254.	3	0.66	160.0	NG
41T	13.02	1447	138. /	164.	142384. /	101254.	3	1.00	160.0	NG
42T	13.13	1462	198. /	188.	92549. /	196803.	4	0.96	160.0	NG
43T	13.27	1478	169. /	188.	231666. /	196803.	4	0.80	160.0	NG
44T	14.02	1574	248. /	188.	154968. /	196803.	4	1.00	160.0	NG
45T	14.05	1578	284. /	188.	162807. /	196803.	4	1.00	160.0	NG
46T	14.53	1640	266. /	188.	128885. /	196803.	4	0.97	160.0	NG
47T	14.93	1690	178. /	188.	811816. /	196803.	4	0.92	160.0	NG
48T	15.03	1704	178. /	188.	798216. /	196803.	4	0.88	160.0	NG
49T	15.47	1758	167. /	188.	800448. /	196803.	4	0.93	160.0	NG
50T	16.43	1882	149. /	188.	1011104. /	196803.	4	0.58	160.0	NG

000615

51T	17.48	2015	202. / 188.	1011912. /	196803.	4	0.95	160.0	NG
52T	17.95	2074	202. / 240.	1058704. /	170642.	5	0.94	160.0	NG
53T	19.67	2292	149. / 240.	542724. /	170642.	5	0.88	160.0	NG
54T	20.67	2418	252. / 240.	181744. /	170642.	5	0.83	160.0	NG
55T	20.55	2403	228. / 240.	1144416. /	170642.	5	0.83	160.0	NG
56T	20.68	2422	228. / 240.	803296. /	170642.	5	0.72	160.0	NG
57T	21.02	2464	149. / 240.	772600. /	170642.	5	0.91	160.0	NG
58T	22.38	2637	149. / 264.	1432336. /	307768.	6	0.29	160.0	NG
59T	22.82	2691	252. / 264.	1581672. /	307768.	6	0.92	160.0	NG
60T	22.88	2700	252. / 264.	916288. /	307768.	6	0.93	160.0	NG
61T	23.40	2767	252. / 264.	1208904. /	307768.	6	0.93	160.0	NG
62T	25.32	3010	276. / 264.	1317244. /	307768.	6	0.00	160.0	NG
63T	25.40	3020	278. / 264.	1004744. /	307768.	6	0.00	160.0	NG
64T	25.73	3063	276. / 264.	1224448. /	307768.	6	0.00	160.0	NG
65T	6.67	639	82. / 136.	294254. /	214308.	2	0.87	160.0	NG
66T	10.37	1111	172. / 164.	497560. /	101254.	3	0.93	160.0	NG
67T	18.45	2138	244. / 240.	707448. /	170642.	5	0.93	160.0	NG
68T	5.13	446	99. / 152.	315212. /	46843.	1	0.76	160.0	NG
69T	3.52	240	112. / 152.	234268. /	46843.	1	0.75	160.0	NG
70T	13.42	1497	330. / 164.	73425. /	101254.	3	0.85	160.0	NG
71T	5.20	453	132. / 152.	202178. /	46843.	1	0.71	160.0	NG
72T	5.83	535	152. / 152.	149221. /	46843.	1	0.73	160.0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	5.57	501	152. / 152.	46843. /	46843.	1	0.92	160.0	NG
82T	8.02	812	136. / 136.	214308. /	214308.	2	0.94	160.0	NG
83T	11.70	1279	164. / 164.	101254. /	101254.	3	0.86	160.0	NG
84T	14.87	1682	188. / 188.	196803. /	196803.	4	0.92	160.0	NG
85T	20.63	2414	240. / 240.	170642. /	170642.	5	0.92	160.0	NG
86T	23.48	2777	264. / 264.	307768. /	307768.	6	0.91	160.0	NG

COPY
ORIGINAL IS FILED IN CSF 17791

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:SH0224
Injection time: 24-FEB-92 17:12:48

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.928	94. / 152.	1.813	160.0	IA BV RF			1.00
2T	0.939	93. / 152.	1.023	160.0	IA BV RF			1.00
3T	0.939	128. / 152.	1.312	160.0	IA BV RF			1.00
4T	0.982	146. / 152.	1.379	160.0	IA BV RF			1.00
5T	1.009	146. / 152.	1.418	160.0	IA VV RF			1.00
6T	1.054	146. / 152.	1.209	160.0	IA VV RF			1.00
7T	1.117	108. / 152.	1.462	160.0	IA VB RF			1.00
8T	1.118	45. / 152.	0.461	160.0	IA BV RF			1.00
9T	1.176	108. / 152.	1.640	160.0	IA VV RF			1.00
10T	1.167	70. / 152.	0.944	160.0	IA BV RF			1.00
11T	1.163	117. / 152.	0.649	160.0	IA BB RF			1.00
12T	0.835	77. / 136.	0.327	160.0	IA VV RF			1.00
13T	0.901	82. / 136.	0.611	160.0	IA VV RF			1.00
14T	0.910	139. / 136.	0.176	160.0	IA BB RF			1.00
15T	0.944	107. / 136.	0.362	160.0	IA VV RF			1.00
16T	0.964	93. / 136.	0.414	160.0	IA VV RF			1.00
17T	0.976	162. / 136.	0.254	160.0	IA BV RF			1.00
18T	0.991	180. / 136.	0.283	160.0	IA BV RF			1.00
19T	1.006	128. / 136.	0.949	160.0	IA VV RF			1.00
20T	1.032	127. / 136.	0.192	160.0	IA VV RF			1.00
21T	1.044	225. / 136.	0.167	160.0	IA VB RF			1.00
22T	1.175	107. / 136.	0.335	160.0	IA VB RF			1.00
23T	1.187	142. / 136.	0.631	160.0	IA VV RF			1.00
24T	0.844	237. / 164.	0.458	160.0	IA BB RF			1.00
25T	0.870	196. / 164.	0.432	160.0	IA BV RF			1.00
26T	0.876	196. / 164.	0.428	160.0	IA VB RF			1.00
27T	0.900	162. / 164.	1.124	160.0	IA VV RF			1.00
28T	0.927	65. / 164.	0.441	160.0	IA VV RF			1.00
29T	0.970	163. / 164.	1.257	160.0	IA BV RF			1.00
30T	0.973	152. / 164.	1.738	160.0	IA BV RF			1.00
31T	0.977	165. / 164.	0.205	160.0	IA VV RF			1.00
32T	1.004	138. / 164.	0.326	160.0	IA VV RF			1.00
33T	1.007	153. / 164.	1.077	160.0	IA VV RF			1.00
34T	1.024	184. / 164.	0.167	160.0	IA BV RF			1.00
35T	1.051	109. / 164.	0.233	160.0	IA VB RF			1.00
36T	1.040	168. / 164.	1.710	160.0	IA VB RF			1.00
37T	1.049	165. / 164.	0.436	160.0	IA VB RF			1.00
38T	1.103	149. / 164.	1.296	160.0	IA BV RF			1.00
39T	1.109	204. / 164.	0.669	160.0	IA VV RF			1.00
40T	1.103	166. / 164.	1.235	160.0	IA VB RF			1.00

COPY

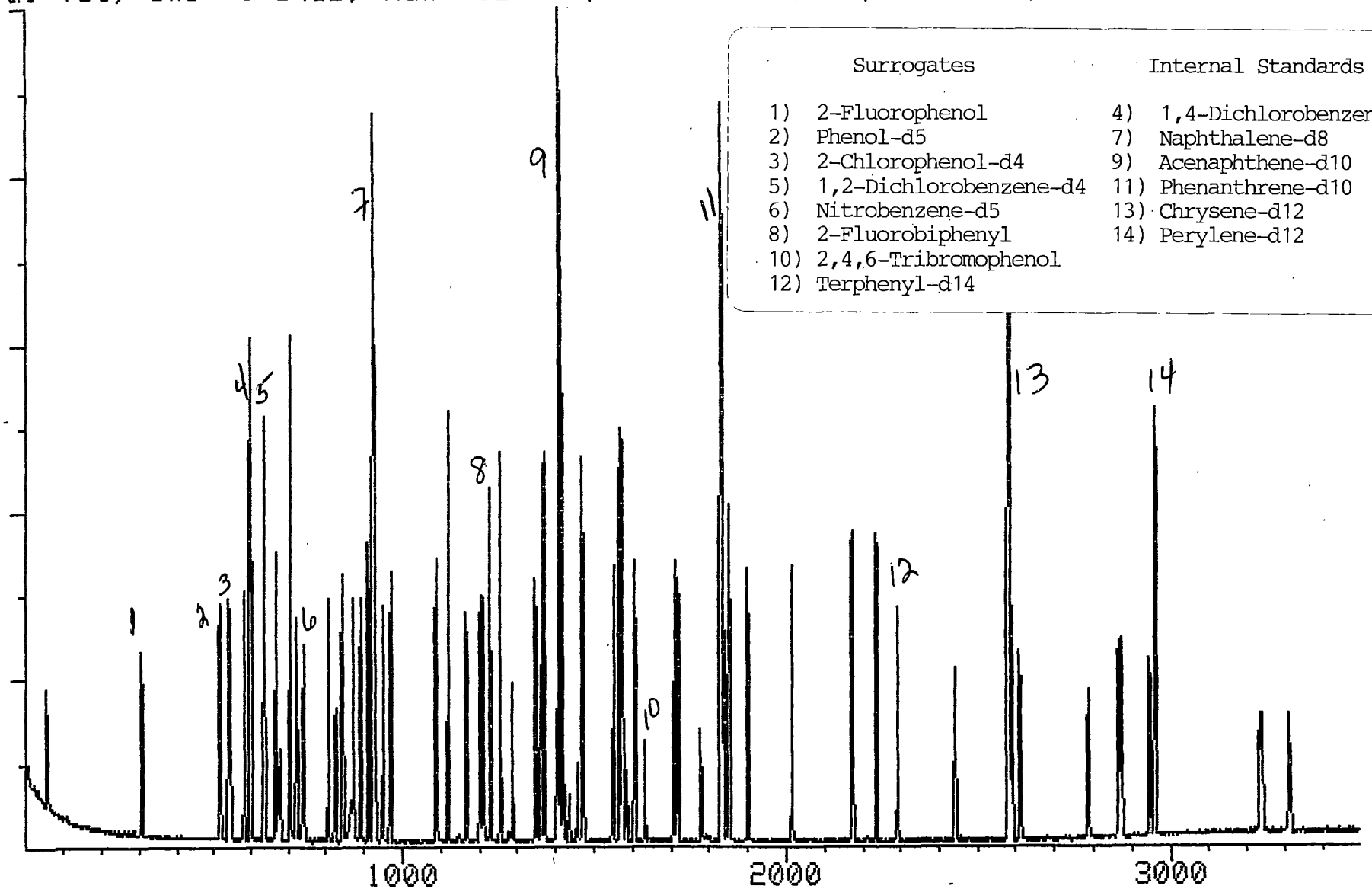
ORIGINAL IS FILED IN CSF 17791

000617

41T	1.113	138. / 164.	0.352	160.0	IA VV RF	1.00
42T	0.883	198. / 188.	0.118	160.0	IA BV RF	1.00
43T	0.892	169. / 188.	0.294	160.0	IA VV RF	1.00
44T	0.943	248. / 188.	0.197	160.0	IA VV RF	1.00
45T	0.945	284. / 188.	0.207	160.0	IA BV RF	1.00
46T	0.977	266. / 188.	0.164	160.0	IA BV RF	1.00
47T	1.004	178. / 188.	1.031	160.0	IA BV RF	1.00
48T	1.011	178. / 188.	1.014	160.0	IA VB RF	1.00
49T	1.040	167. / 188.	1.017	160.0	IA BB RF	1.00
50T	1.105	149. / 188.	1.284	160.0	IA BB RF	1.00
51T	1.176	202. / 188.	1.285	160.0	IA BV RF	1.00
52T	0.870	202. / 240.	1.551	160.0	IA BB RF	1.00
53T	0.953	149. / 240.	0.795	160.0	IA BV RF	1.00
54T	1.002	252. / 240.	0.266	160.0	IA BV RF	1.00
55T	0.996	228. / 240.	1.677	160.0	IA BV RF	1.00
56T	1.002	228. / 240.	1.177	160.0	IA VB RF	1.00
57T	1.019	149. / 240.	1.132	160.0	IA VV RF	1.00
58T	0.953	149. / 264.	1.163	160.0	IA BV RF	1.00
59T	0.972	252. / 264.	1.285	160.0	IA BV RF	1.00
60T	0.974	252. / 264.	0.744	160.0	IA BV RF	1.00
61T	0.997	252. / 264.	0.982	160.0	IA VB RF	1.00
62T	1.078	276. / 264.	1.070	160.0	IA O RF	1.00
63T	1.082	278. / 264.	0.816	160.0	IA O RF	1.00
64T	1.096	276. / 264.	0.995	160.0	IA O RF	1.00
65T	0.832	82. / 136.	0.343	160.0	IA VV RF	1.00
66T	0.886	172. / 164.	1.228	160.0	IA BV RF	1.00
67T	0.894	244. / 240.	1.036	160.0	IA VV RF	1.00
68T	0.921	99. / 152.	1.682	160.0	IA BV RF	1.00
69T	0.632	112. / 152.	1.250	160.0	IA BV RF	1.00
70T	1.147	330. / 164.	0.181	160.0	IA BV RF	1.00
71T	0.934	132. / 152.	1.079	160.0	IA BB RF	1.00
72T	1.047	152. / 152.	0.796	160.0	IA VV RF	1.00
81T	1.000	152. / 152.	0.250	160.0	IA VV RF	1.00
82T	1.000	136. / 136.	0.250	160.0	IA VV RF	1.00
83T	1.000	164. / 164.	0.250	160.0	IA VV RF	1.00
84T	1.000	188. / 188.	0.250	160.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.250	160.0	IA VV RF	1.00
86T	1.000	264. / 264.	0.250	160.0	IA BV RF	1.00

COPY
ORIGINAL IS FILED IN CSF 17791

DU0:[301,6]3SL0514, SSTD20 EXTR03, 14-MAY-92, 16:26:51
Q1 TIC, Sns: 1-3495, Max: 150570, C Max: 150570, RT: 2.3, 29.8



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000613

Box number 1 Scans available 1-3495

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC.'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SL0514
Injection time: 14-MAY-92 16:26:51
Comments:
SSTD20 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.05	599					STD	1.00	40.0	NG
2S	9.60	925					STD	0.77	40.0	NG
3S	13.43	1412					STD	0.80	40.0	NG
4S	16.73	1831					STD	0.92	40.0	NG
5S	22.67	2584					STD	0.84	40.0	NG
6S	25.62	2960					STD	0.91	40.0	NG
1T	6.42	519	94. /	152.	50639. /	56151.	1	0.90	20.0	NG
2T	6.58	541	93. /	152.	33511. /	56151.	1	1.00	20.0	NG
3T	6.63	547	128. /	152.	40261. /	56151.	1	1.00	20.0	NG
4T	6.92	584	146. /	152.	42826. /	56151.	1	0.96	20.0	NG
5T	7.07	603	146. /	152.	45229. /	56151.	1	0.88	20.0	NG
6T	7.35	639	146. /	152.	40493. /	56151.	1	0.96	20.0	NG
7T	7.57	666	108. /	152.	42901. /	56151.	1	0.96	20.0	NG
8T	7.63	673	45. /	152.	43060. /	56151.	1	0.82	20.0	NG
9T	7.88	706	108. /	152.	44702. /	56151.	1	1.00	20.0	NG
10T	7.88	706	70. /	152.	25488. /	56151.	1	0.93	20.0	NG
11T	8.02	723	117. /	152.	18540. /	56151.	1	1.00	20.0	NG
12T	8.18	743	77. /	136.	37979. /	263804.	2	0.95	20.0	NG
13T	8.68	808	82. /	136.	75979. /	263804.	2	0.88	20.0	NG
14T	8.82	825	139. /	136.	16693. /	263804.	2	0.84	20.0	NG
15T	8.97	844	107. /	136.	37870. /	263804.	2	0.96	20.0	NG
16T	9.18	872	93. /	136.	55044. /	263804.	2	0.92	20.0	NG
17T	9.32	889	162. /	136.	32860. /	263804.	2	1.00	20.0	NG
18T	9.50	912	180. /	136.	39005. /	263804.	2	1.00	20.0	NG
19T	9.65	931	128. /	136.	128912. /	263804.	2	0.80	20.0	NG
20T	9.80	950	127. /	136.	49882. /	263804.	2	0.80	20.0	NG
21T	9.95	969	225. /	136.	21770. /	263804.	2	1.00	20.0	NG
22T	10.88	1088	107. /	136.	37214. /	263804.	2	1.00	20.0	NG
23T	11.17	1122	142. /	136.	93021. /	263804.	2	1.00	20.0	NG
24T	11.52	1167	237. /	164.	25826. /	159304.	3	0.90	20.0	NG
25T	11.80	1203	196. /	164.	23146. /	159304.	3	1.00	20.0	NG
26T	11.85	1210	196. /	164.	24813. /	159304.	3	1.00	20.0	NG
27T	12.22	1256	162. /	164.	82873. /	159304.	3	0.92	20.0	NG
28T	12.47	1289	65. /	164.	16145. /	159304.	3	1.00	20.0	NG
29T	12.95	1349	163. /	164.	79195. /	159304.	3	1.00	20.0	NG
30T	13.12	1371	152. /	164.	129184. /	159304.	3	0.94	20.0	NG
31T	13.05	1362	165. /	164.	14472. /	159304.	3	1.00	20.0	NG
32T	13.38	1405	138. /	164.	15123. /	159304.	3	0.93	20.0	NG
33T	13.52	1421	153. /	164.	74836. /	159304.	3	0.92	20.0	NG
34T	13.62	1435	184. /	164.	2845. /	159304.	3	1.00	20.0	NG
35T	13.80	1457	109. /	164.	5580. /	159304.	3	0.71	20.0	NG
36T	13.90	1470	168. /	164.	113180. /	159304.	3	1.00	20.0	NG
37T	13.92	1473	165. /	164.	16066. /	159304.	3	1.00	20.0	NG
38T	14.53	1550	149. /	164.	74838. /	159304.	3	0.88	20.0	NG
39T	14.72	1574	204. /	164.	49473. /	159304.	3	1.00	20.0	NG
40T	14.67	1567	166. /	164.	88726. /	159304.	3	0.84	20.0	NG
41T	14.72	1575	138. /	164.	11119. /	159304.	3	0.91	20.0	NG
42T	14.82	1586	198. /	188.	5296. /	243700.	4	1.00	20.0	NG
43T	14.98	1608	169. /	188.	56100. /	243700.	4	0.80	20.0	NG
44T	15.80	1711	248. /	188.	28032. /	243700.	4	0.93	20.0	NG
45T	15.87	1720	284. /	188.	27871. /	243700.	4	1.00	20.0	NG
46T	16.32	1778	266. /	188.	8467. /	243700.	4	1.00	20.0	NG
47T	16.78	1837	178. /	188.	114627. /	243700.	4	0.92	20.0	NG
48T	16.90	1851	178. /	188.	106494. /	243700.	4	0.88	20.0	NG
49T	17.28	1901	167. /	188.	83402. /	243700.	4	0.93	20.0	NG
50T	18.20	2017	149. /	188.	99180. /	243700.	4	0.88	20.0	NG

51T	19.45	2175	202. / 188.	102881. /	243700.	4	1.00	20.0	NG
52T	19.93	2237	202. / 240.	106225. /	161698.	5	0.88	20.0	NG
53T	21.53	2441	149. / 240.	28772. /	161698.	5	1.00	20.0	NG
54T	22.63	2580	252. / 240.	19676. /	161698.	5	0.97	20.0	NG
55T	22.63	2581	228. / 240.	80401. /	161698.	5	0.77	20.0	NG
56T	22.72	2591	228. / 240.	75607. /	161698.	5	0.79	20.0	NG
57T	22.87	2611	149. / 240.	34467. /	161698.	5	1.00	20.0	NG
58T	24.25	2786	149. / 264.	45104. /	136933.	6	0.63	20.0	NG
59T	24.88	2867	252. / 264.	69648. /	136933.	6	1.00	20.0	NG
60T	24.95	2874	252. / 264.	66271. /	136933.	6	0.93	20.0	NG
61T	25.52	2946	252. / 264.	59907. /	136933.	6	0.83	20.0	NG
62T	27.78	3234	276. / 264.	62576. /	136933.	6	0.96	20.0	NG
63T	27.83	3241	278. / 264.	55012. /	136933.	6	0.82	20.0	NG
64T	28.38	3312	276. / 264.	58902. /	136933.	6	1.00	20.0	NG
65T	8.13	738	82. / 136.	31627. /	263804.	2	0.93	20.0	NG
66T	12.00	1229	172. / 164.	83647. /	159304.	3	1.00	20.0	NG
67T	20.37	2293	244. / 240.	60913. /	161698.	5	0.93	20.0	NG
68T	6.38	516	99. / 152.	45087. /	56151.	1	0.85	20.0	NG
69T	4.75	308	112. / 152.	30972. /	56151.	1	0.88	20.0	NG
70T	15.18	1634	330. / 164.	7071. /	159304.	3	1.00	20.0	NG
71T	6.60	543	132. / 152.	30546. /	56151.	1	0.96	20.0	NG
72T	7.33	635	152. / 152.	22520. /	56151.	1	0.96	20.0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	7.05	599	152. / 152.	56151. /	56151.	1	1.00	50.0	NG
82T	9.60	925	136. / 136.	263804. /	263804.	2	0.77	50.0	NG
83T	13.43	1412	164. / 164.	159304. /	159304.	3	0.90	20.0	NG
84T	16.73	1831	188. / 188.	243700. /	243700.	4	0.92	20.0	NG
85T	22.67	2584	240. / 240.	161698. /	161698.	5	0.84	20.0	NG
86T	25.62	2960	264. / 264.	136933. /	136933.	6	0.91	20.0	NG

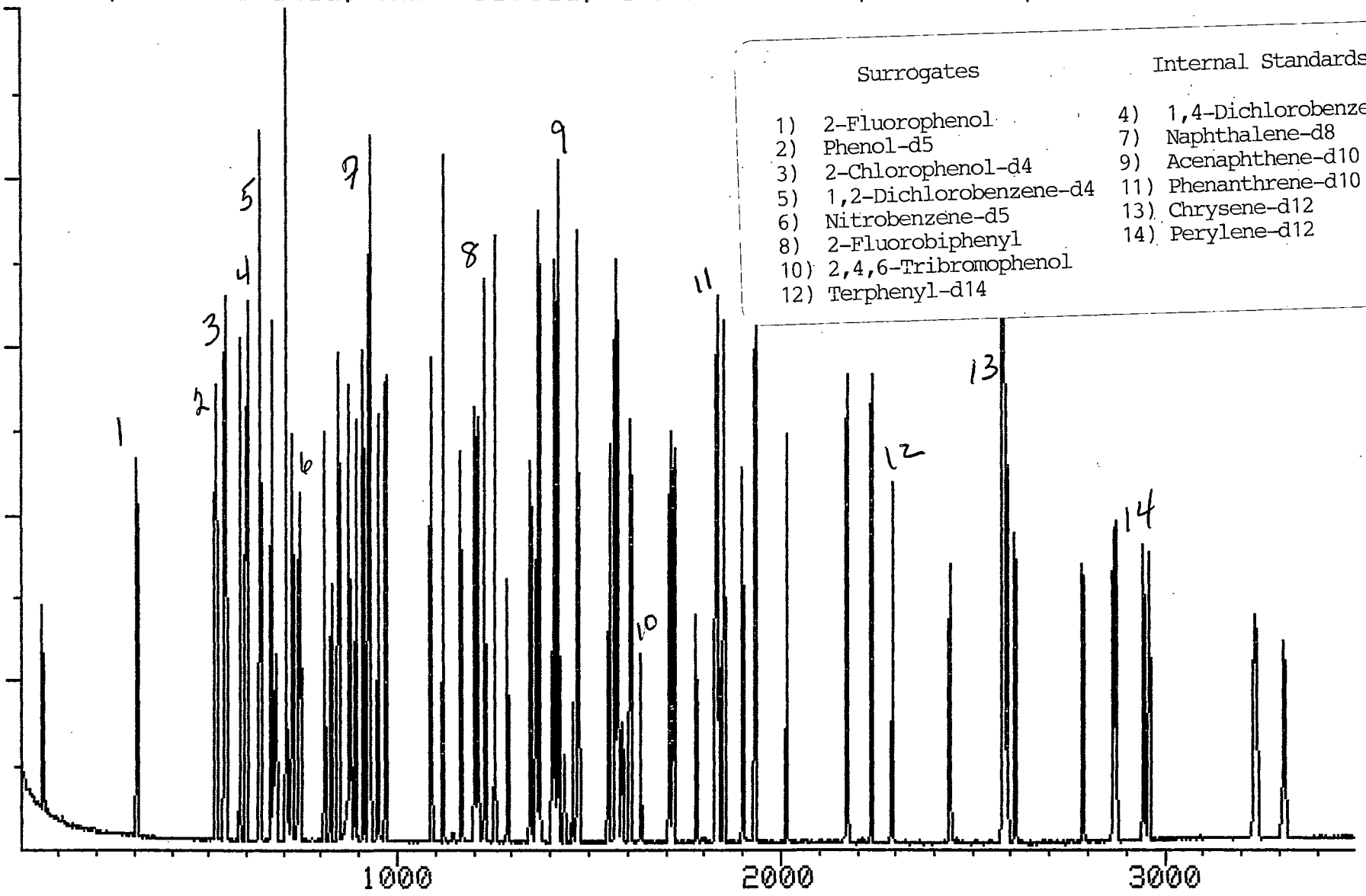
Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SL0514
Injection time: 14-MAY-92 16:26:51

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.911	94. / 152.	1.804	20.0	IA	BV	RF			1.00
2T	0.933	93. / 152.	1.194	20.0	IA	VV	RF			1.00
3T	0.940	128. / 152.	1.434	20.0	IA	BB	RF			1.00
4T	0.982	146. / 152.	1.525	20.0	IA	BV	RF			1.00
5T	1.003	146. / 152.	1.611	20.0	IA	BV	RF			1.00
6T	1.043	146. / 152.	1.442	20.0	IA	VB	RF			1.00
7T	1.074	108. / 152.	1.528	20.0	IA	BV	RF			1.00
8T	1.082	45. / 152.	1.534	20.0	IA	BV	RF			1.00
9T	1.118	108. / 152.	1.592	20.0	IA	VB	RF			1.00
10T	1.118	70. / 152.	0.908	20.0	IA	BV	RF			1.00
11T	1.138	117. / 152.	0.660	20.0	IA	BB	RF			1.00
12T	0.852	77. / 136.	0.288	20.0	IA	VB	RF			1.00
13T	0.904	82. / 136.	0.576	20.0	IA	BV	RF			1.00
14T	0.919	139. / 136.	0.127	20.0	IA	VB	RF			1.00
15T	0.934	107. / 136.	0.287	20.0	IA	BV	RF			1.00
16T	0.956	93. / 136.	0.417	20.0	IA	VB	RF			1.00
17T	0.971	162. / 136.	0.249	20.0	IA	BB	RF			1.00
18T	0.990	180. / 136.	0.296	20.0	IA	BB	RF			1.00
19T	1.005	128. / 136.	0.977	20.0	IA	VV	RF			1.00
20T	1.021	127. / 136.	0.378	20.0	IA	VV	RF			1.00
21T	1.036	225. / 136.	0.165	20.0	IA	VB	RF			1.00
22T	1.133	107. / 136.	0.282	20.0	IA	BB	RF			1.00
23T	1.164	142. / 136.	0.705	20.0	IA	VV	RF			1.00
24T	0.858	237. / 164.	0.324	20.0	IA	BB	RF			1.00
25T	0.879	196. / 164.	0.291	20.0	IA	BV	RF			1.00
26T	0.882	196. / 164.	0.312	20.0	IA	VB	RF			1.00
27T	0.910	162. / 164.	1.040	20.0	IA	VB	RF			1.00
28T	0.929	65. / 164.	0.203	20.0	IA	BB	RF			1.00
29T	0.964	163. / 164.	0.994	20.0	IA	BB	RF			1.00
30T	0.977	152. / 164.	1.622	20.0	IA	BV	RF			1.00
31T	0.972	165. / 164.	0.182	20.0	IA	VV	RF			1.00
32T	0.996	138. / 164.	0.190	20.0	IA	BB	RF			1.00
33T	1.007	153. / 164.	0.940	20.0	IA	VB	RF			1.00
34T	1.014	184. / 164.	0.036	20.0	IA	BB	RF			1.00
35T	1.028	109. / 164.	0.070	20.0	IA	BV	RF			1.00
36T	1.035	168. / 164.	1.421	20.0	IA	BB	RF			1.00
37T	1.036	165. / 164.	0.202	20.0	IA	BB	RF			1.00
38T	1.082	149. / 164.	0.940	20.0	IA	BV	RF			1.00
39T	1.096	204. / 164.	0.621	20.0	IA	BB	RF			1.00
40T	1.092	166. / 164.	1.114	20.0	IA	BV	RF			1.00

41T	1.096	138. / 164.	0.140	20.0	IA VB RF		1.00
42T	0.886	198. / 188.	0.043	20.0	IA BB RF		1.00
43T	0.895	169. / 188.	0.460	20.0	IA VV RF		1.00
44T	0.944	248. / 188.	0.230	20.0	IA BV RF		1.00
45T	0.949	284. / 188.	0.229	20.0	IA BB RF		1.00
46T	0.975	266. / 188.	0.069	20.0	IA BB RF		1.00
47T	1.003	178. / 188.	0.941	20.0	IA BV RF		1.00
48T	1.010	178. / 188.	0.874	20.0	IA VB RF		1.00
49T	1.033	167. / 188.	0.684	20.0	IA BV RF		1.00
50T	1.088	149. / 188.	0.814	20.0	IA BB RF		1.00
51T	1.163	202. / 188.	0.844	20.0	IA BV RF		1.00
52T	0.879	202. / 240.	1.314	20.0	IA BV RF		1.00
53T	0.950	149. / 240.	0.356	20.0	IA BB RF		1.00
54T	0.998	252. / 240.	0.243	20.0	IA BB RF		1.00
55T	0.998	228. / 240.	0.994	20.0	IA BV RF		1.00
56T	1.002	228. / 240.	0.935	20.0	IA VB RF		1.00
57T	1.009	149. / 240.	0.426	20.0	IA VB RF		1.00
58T	0.947	149. / 264.	0.659	20.0	IA BB RF		1.00
59T	0.971	252. / 264.	1.017	20.0	IA VB RF		1.00
60T	0.974	252. / 264.	0.968	20.0	IA VB RF		1.00
61T	0.996	252. / 264.	0.875	20.0	IA BV RF		1.00
62T	1.084	276. / 264.	0.914	20.0	IA BV RF		1.00
63T	1.086	278. / 264.	0.803	20.0	IA VB RF		1.00
64T	1.108	276. / 264.	0.860	20.0	IA BV RF		1.00
65T	0.847	82. / 136.	0.240	20.0	IA VB RF		1.00
66T	0.894	172. / 164.	1.050	20.0	IA BB RF		1.00
67T	0.899	244. / 240.	0.753	20.0	IA BB RF		1.00
68T	0.905	99. / 152.	1.606	20.0	IA BV RF		1.00
69T	0.674	112. / 152.	1.103	20.0	IA BB RF		1.00
70T	1.130	330. / 164.	0.089	20.0	IA BB RF		1.00
71T	0.936	132. / 152.	1.088	20.0	IA BB RF		1.00
72T	1.040	152. / 152.	0.802	20.0	IA VB RF		1.00
81T	1.000	152. / 152.	0.800	50.0	IA BV RF		1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF		1.00
83T	1.000	164. / 164.	2.000	20.0	IA VB RF		1.00
84T	1.000	188. / 188.	2.000	20.0	IA BV RF		1.00
85T	1.000	240. / 240.	2.000	20.0	IA BB RF		1.00
86T	1.000	264. / 264.	2.000	20.0	IA BB RF		1.00

DU0:[301,6]3SML0514, SSTD050 EXTR03, 14-MAY-92, 13:01:24
Q1 TIC, Sns: 1-3496, Max: 167099, C Max: 167099, RT: 2.3, 29.8



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000629

Box number 1 Scans available 1-3496

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC. 'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0514
Injection time: 14-MAY-92 13:01:24
Comments:
SSTD050 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.05	600						STD	0.96	40.0	NG
2S	9.62	926						STD	0.77	40.0	NG
3S	13.43	1412						STD	0.95	40.0	NG
4S	16.73	1831						STD	0.92	40.0	NG
5S	22.67	2584						STD	0.84	40.0	NG
6S	25.62	2960						STD	0.87	40.0	NG
1T	6.43	521	94. /	152.	113246. /	52873.		1	0.85	50.0	NG
2T	6.60	543	93. /	152.	72506. /	52873.		1	0.90	50.0	NG
3T	6.63	548	128. /	152.	87876. /	52873.		1	1.00	50.0	NG
4T	6.93	585	146. /	152.	90917. /	52873.		1	1.00	50.0	NG
5T	7.08	604	146. /	152.	92251. /	52873.		1	0.96	50.0	NG
6T	7.37	640	146. /	152.	82216. /	52873.		1	1.00	50.0	NG
7T	7.58	667	108. /	152.	90380. /	52873.		1	0.96	50.0	NG
8T	7.63	675	45. /	152.	98587. /	52873.		1	0.88	50.0	NG
9T	7.90	708	108. /	152.	93186. /	52873.		1	1.00	50.0	NG
10T	7.90	707	70. /	152.	53445. /	52873.		1	1.00	50.0	NG
11T	8.02	723	117. /	152.	40338. /	52873.		1	1.00	50.0	NG
12T	8.18	744	77. /	136.	78001. /	234070.		2	1.00	50.0	NG
13T	8.70	809	82. /	136.	160958. /	234070.		2	0.71	50.0	NG
14T	8.83	826	139. /	136.	39757. /	234070.		2	0.92	50.0	NG
15T	8.98	846	107. /	136.	80302. /	234070.		2	0.96	50.0	NG
16T	9.20	873	93. /	136.	114514. /	234070.		2	0.84	50.0	NG
17T	9.33	890	162. /	136.	72348. /	234070.		2	0.96	50.0	NG
18T	9.50	912	180. /	136.	81914. /	234070.		2	1.00	50.0	NG
19T	9.67	932	128. /	136.	269748. /	234070.		2	0.75	50.0	NG
20T	9.82	951	127. /	136.	106880. /	234070.		2	0.92	50.0	NG
21T	9.95	969	225. /	136.	45604. /	234070.		2	1.00	50.0	NG
22T	10.90	1089	107. /	136.	75378. /	234070.		2	1.00	50.0	NG
23T	11.15	1122	142. /	136.	186660. /	234070.		2	0.82	50.0	NG
24T	11.52	1167	237. /	164.	52042. /	129086.		3	0.93	50.0	NG
25T	11.80	1203	196. /	164.	52523. /	129086.		3	0.94	50.0	NG
26T	11.85	1211	196. /	164.	51249. /	129086.		3	0.96	50.0	NG
27T	12.22	1256	162. /	164.	155950. /	129086.		3	0.72	50.0	NG
28T	12.47	1289	65. /	164.	31420. /	129086.		3	0.85	50.0	NG
29T	12.95	1350	163. /	164.	145968. /	129086.		3	0.90	50.0	NG
30T	13.12	1371	152. /	164.	238428. /	129086.		3	0.88	50.0	NG
31T	13.05	1363	165. /	164.	27804. /	129086.		3	1.00	50.0	NG
32T	13.38	1405	138. /	164.	28681. /	129086.		3	0.89	50.0	NG
33T	13.52	1421	153. /	164.	136528. /	129086.		3	0.85	50.0	NG
34T	13.62	1435	184. /	164.	8409. /	129086.		3	0.96	50.0	NG
35T	13.80	1458	109. /	164.	12151. /	129086.		3	0.71	50.0	NG
36T	13.90	1471	168. /	164.	208416. /	129086.		3	0.90	50.0	NG
37T	13.93	1474	165. /	164.	31303. /	129086.		3	1.00	50.0	NG
38T	14.53	1551	149. /	164.	131520. /	129086.		3	0.92	50.0	NG
39T	14.72	1574	204. /	164.	87242. /	129086.		3	1.00	50.0	NG
40T	14.65	1567	166. /	164.	158662. /	129086.		3	0.62	50.0	NG
41T	14.73	1576	138. /	164.	19393. /	129086.		3	0.91	50.0	NG
42T	14.82	1587	198. /	188.	11766. /	182490.		4	1.00	50.0	NG
43T	14.98	1608	169. /	188.	98233. /	182490.		4	0.76	50.0	NG
44T	15.78	1711	248. /	188.	50295. /	182490.		4	0.89	50.0	NG
45T	15.87	1721	284. /	188.	48283. /	182490.		4	1.00	50.0	NG
46T	16.32	1778	266. /	188.	21912. /	182490.		4	1.00	50.0	NG
47T	16.78	1837	178. /	188.	198426. /	182490.		4	0.96	50.0	NG
48T	16.90	1852	178. /	188.	188434. /	182490.		4	0.92	50.0	NG
49T	17.28	1901	167. /	188.	149130. /	182490.		4	0.80	50.0	NG
50T	18.20	2017	149. /	188.	182410. /	182490.		4	0.88	50.0	NG

51T	19.43	2175	202. / 188.	181848. /	182490.	4	0.90	50.0	NG
52T	19.93	2238	202. / 240.	185254. /	119050.	5	0.88	50.0	NG
53T	21.55	2442	149. / 240.	55375. /	119050.	5	0.92	50.0	NG
54T	22.63	2580	252. / 240.	39782. /	119050.	5	1.00	50.0	NG
55T	22.63	2581	228. / 240.	153050. /	119050.	5	0.77	50.0	NG
56T	22.72	2591	228. / 240.	134230. /	119050.	5	0.79	50.0	NG
57T	22.87	2611	149. / 240.	73363. /	119050.	5	1.00	50.0	NG
58T	24.25	2786	149. / 264.	108457. /	109034.	6	0.63	50.0	NG
59T	24.88	2867	252. / 264.	146432. /	109034.	6	1.00	50.0	NG
60T	24.93	2874	252. / 264.	122423. /	109034.	6	0.82	50.0	NG
61T	25.50	2946	252. / 264.	128404. /	109034.	6	0.86	50.0	NG
62T	27.78	3235	276. / 264.	137452. /	109034.	6	0.92	50.0	NG
63T	27.83	3242	278. / 264.	117581. /	109034.	6	0.85	50.0	NG
64T	28.40	3313	276. / 264.	129709. /	109034.	6	0.16	50.0	NG
65T	8.15	739	82. / 136.	73453. /	234070.	2	1.00	50.0	NG
66T	12.00	1229	172. / 164.	166214. /	129086.	3	0.93	50.0	NG
67T	20.37	2293	244. / 240.	114986. /	119050.	5	0.80	50.0	NG
68T	6.40	517	99. / 152.	103451. /	52873.	1	0.85	50.0	NG
69T	4.75	308	112. / 152.	77521. /	52873.	1	0.88	50.0	NG
70T	15.18	1634	330. / 164.	17416. /	129086.	3	1.00	50.0	NG
71T	6.62	544	132. / 152.	68074. /	52873.	1	0.92	50.0	NG
72T	7.33	636	152. / 152.	50585. /	52873.	1	0.96	50.0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	7.05	600	152. / 152.	52873. /	52873.	1	0.96	50.0	NG
82T	9.62	926	136. / 136.	234070. /	234070.	2	0.77	50.0	NG
83T	13.43	1412	164. / 164.	129086. /	129086.	3	0.83	50.0	NG
84T	16.73	1831	188. / 188.	182490. /	182490.	4	0.92	50.0	NG
85T	22.67	2584	240. / 240.	119050. /	119050.	5	0.84	50.0	NG
86T	25.62	2960	264. / 264.	109034. /	109034.	6	0.87	50.0	NG

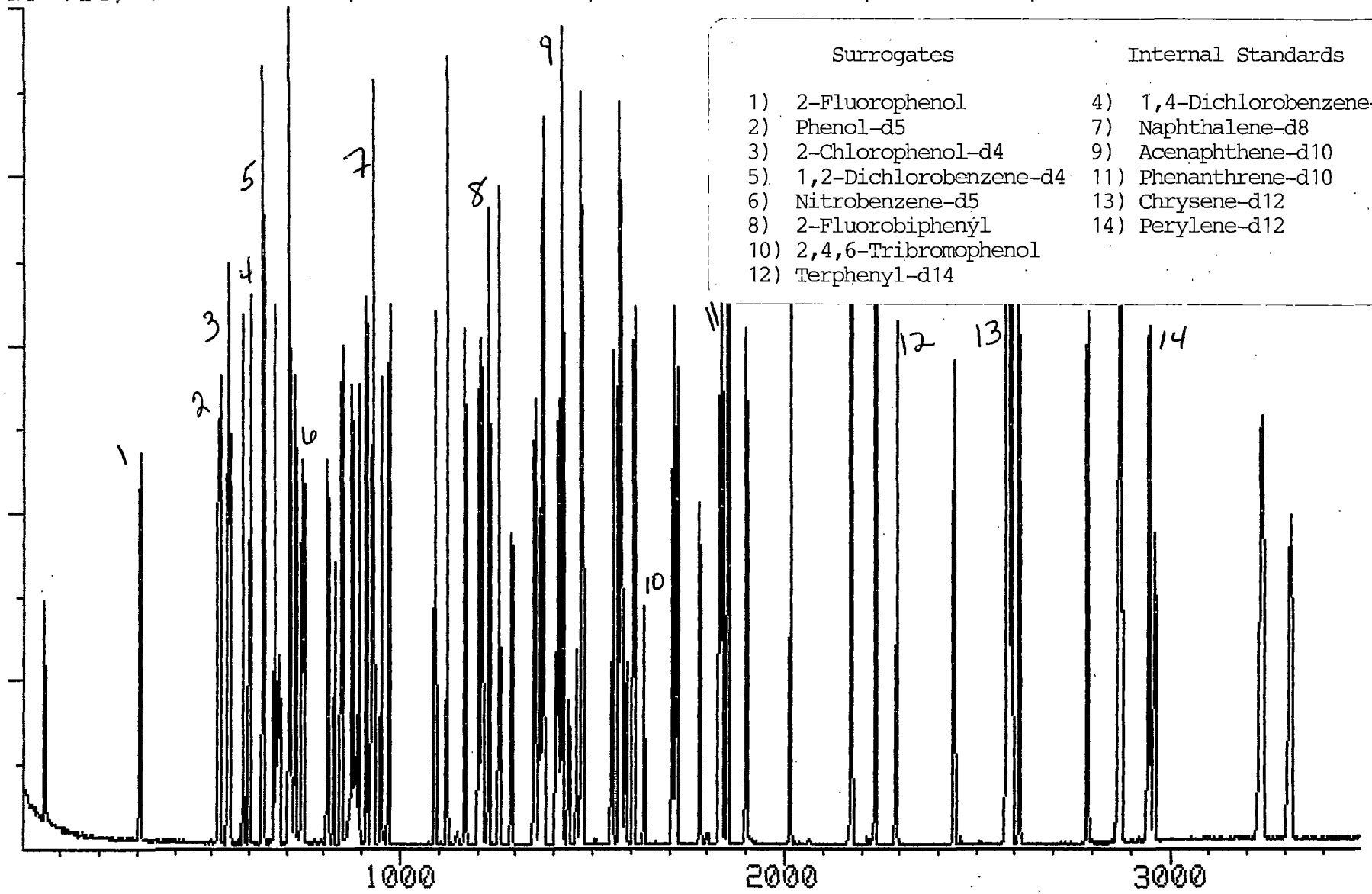
Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0514
Injection time: 14-MAY-92 13:01:24

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.912	94. / 152.	1.713	50.0	IA	BV	RF			1.00
2T	0.936	93. / 152.	1.097	50.0	IA	BV	RF			1.00
3T	0.940	128. / 152.	1.330	50.0	IA	BB	RF			1.00
4T	0.983	146. / 152.	1.376	50.0	IA	BV	RF			1.00
5T	1.004	146. / 152.	1.396	50.0	IA	VV	RF			1.00
6T	1.045	146. / 152.	1.244	50.0	IA	VB	RF			1.00
7T	1.075	108. / 152.	1.367	50.0	IA	BV	RF			1.00
8T	1.082	45. / 152.	1.492	50.0	IA	BV	RF			1.00
9T	1.121	108. / 152.	1.410	50.0	IA	VV	RF			1.00
10T	1.121	70. / 152.	0.809	50.0	IA	BV	RF			1.00
11T	1.138	117. / 152.	0.610	50.0	IA	BB	RF			1.00
12T	0.850	77. / 136.	0.267	50.0	IA	VB	RF			1.00
13T	0.904	82. / 136.	0.550	50.0	IA	BV	RF			1.00
14T	0.918	139. / 136.	0.136	50.0	IA	VB	RF			1.00
15T	0.933	107. / 136.	0.274	50.0	IA	VV	RF			1.00
16T	0.956	93. / 136.	0.391	50.0	IA	VB	RF			1.00
17T	0.970	162. / 136.	0.247	50.0	IA	BB	RF			1.00
18T	0.988	180. / 136.	0.280	50.0	IA	BB	RF			1.00
19T	1.005	128. / 136.	0.922	50.0	IA	VV	RF			1.00
20T	1.021	127. / 136.	0.365	50.0	IA	VB	RF			1.00
21T	1.034	225. / 136.	0.156	50.0	IA	VB	RF			1.00
22T	1.133	107. / 136.	0.258	50.0	IA	BB	RF			1.00
23T	1.159	142. / 136.	0.638	50.0	IA	VV	RF			1.00
24T	0.858	237. / 164.	0.323	50.0	IA	BB	RF			1.00
25T	0.879	196. / 164.	0.326	50.0	IA	BV	RF			1.00
26T	0.882	196. / 164.	0.318	50.0	IA	BV	RF			1.00
27T	0.910	162. / 164.	0.966	50.0	IA	VB	RF			1.00
28T	0.929	65. / 164.	0.195	50.0	IA	BB	RF			1.00
29T	0.964	163. / 164.	0.905	50.0	IA	BB	RF			1.00
30T	0.977	152. / 164.	1.478	50.0	IA	BV	RF			1.00
31T	0.972	165. / 164.	0.172	50.0	IA	VV	RF			1.00
32T	0.996	138. / 164.	0.178	50.0	IA	BV	RF			1.00
33T	1.007	153. / 164.	0.846	50.0	IA	VV	RF			1.00
34T	1.014	184. / 164.	0.052	50.0	IA	BB	RF			1.00
35T	1.028	109. / 164.	0.075	50.0	IA	BV	RF			1.00
36T	1.035	168. / 164.	1.292	50.0	IA	VB	RF			1.00
37T	1.037	165. / 164.	0.194	50.0	IA	BB	RF			1.00
38T	1.082	149. / 164.	0.815	50.0	IA	BV	RF			1.00
39T	1.096	204. / 164.	0.541	50.0	IA	BB	RF			1.00
40T	1.091	166. / 164.	0.983	50.0	IA	BV	RF			1.00

41T	1.097	138. / 164.	0.120	50.0	IA VV RF	1.00
42T	0.886	198. / 188.	0.052	50.0	IA BB RF	1.00
43T	0.895	169. / 188.	0.431	50.0	IA VV RF	1.00
44T	0.943	248. / 188.	0.220	50.0	IA VV RF	1.00
45T	0.949	284. / 188.	0.212	50.0	IA BB RF	1.00
46T	0.975	266. / 188.	0.096	50.0	IA BB RF	1.00
47T	1.003	178. / 188.	0.870	50.0	IA BV RF	1.00
48T	1.010	178. / 188.	0.826	50.0	IA VB RF	1.00
49T	1.033	167. / 188.	0.654	50.0	IA BV RF	1.00
50T	1.088	149. / 188.	0.800	50.0	IA BB RF	1.00
51T	1.161	202. / 188.	0.797	50.0	IA BB RF	1.00
52T	0.879	202. / 240.	1.245	50.0	IA BB RF	1.00
53T	0.951	149. / 240.	0.372	50.0	IA BB RF	1.00
54T	0.998	252. / 240.	0.267	50.0	IA BV RF	1.00
55T	0.998	228. / 240.	1.028	50.0	IA BV RF	1.00
56T	1.002	228. / 240.	0.902	50.0	IA VB RF	1.00
57T	1.009	149. / 240.	0.493	50.0	IA VB RF	1.00
58T	0.947	149. / 264.	0.796	50.0	IA BB RF	1.00
59T	0.971	252. / 264.	1.074	50.0	IA BV RF	1.00
60T	0.973	252. / 264.	0.898	50.0	IA VB RF	1.00
61T	0.995	252. / 264.	0.942	50.0	IA BB RF	1.00
62T	1.084	276. / 264.	1.009	50.0	IA VV RF	1.00
63T	1.086	278. / 264.	0.863	50.0	IA VB RF	1.00
64T	1.109	276. / 264.	0.952	50.0	IA VV FC	1.00
65T	0.847	82. / 136.	0.251	50.0	IA VB RF	1.00
66T	0.894	172. / 164.	1.030	50.0	IA BV RF	1.00
67T	0.899	244. / 240.	0.773	50.0	IA BB RF	1.00
68T	0.908	99. / 152.	1.565	50.0	IA BV RF	1.00
69T	0.674	112. / 152.	1.173	50.0	IA BB RF	1.00
70T	1.130	330. / 164.	0.108	50.0	IA BB RF	1.00
71T	0.939	132. / 152.	1.030	50.0	IA BB RF	1.00
72T	1.040	152. / 152.	0.765	50.0	IA VB RF	1.00
81T	1.000	152. / 152.	0.800	50.0	IA VB RF	1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF	1.00
83T	1.000	164. / 164.	0.800	50.0	IA VB RF	1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF	1.00
86T	1.000	264. / 264.	0.800	50.0	IA BV RF	1.00

DU0:[301,6]3SM0514, SSTD080 EXTR03, 14-MAY-92, 14:42:48
Q1 TIC, Sns: 1-3496, Max: 195112, C Max: 195112, RT: 2.3, 29.8



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000633

Box number 1 Scans available 1-3496

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S.AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC.'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SM0514
Injection time: 14-MAY-92 14:42:48
Comments:
SSTD080 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.05	600					STD	0.96	40.0	NG
2S	9.62	926					STD	0.77	40.0	NG
3S	13.45	1413					STD	0.95	40.0	NG
4S	16.73	1831					STD	0.92	40.0	NG
5S	22.67	2585					STD	0.88	40.0	NG
6S	25.62	2960					STD	0.91	40.0	NG
1T	6.43	522	94. /	152.	149066. /	44828.	1	0.85	80.0	NG
2T	6.60	543	93. /	152.	96212. /	44828.	1	1.00	80.0	NG
3T	6.65	549	128. /	152.	121038. /	44828.	1	0.92	80.0	NG
4T	6.93	586	146. /	152.	123452. /	44828.	1	0.84	80.0	NG
5T	7.08	604	146. /	152.	124752. /	44828.	1	0.80	80.0	NG
6T	7.37	640	146. /	152.	108312. /	44828.	1	0.84	80.0	NG
7T	7.58	668	108. /	152.	119682. /	44828.	1	0.88	80.0	NG
8T	7.65	676	45. /	152.	129914. /	44828.	1	0.94	80.0	NG
9T	7.90	709	108. /	152.	123090. /	44828.	1	0.90	80.0	NG
10T	7.90	709	70. /	152.	71071. /	44828.	1	1.00	80.0	NG
11T	8.03	724	117. /	152.	53951. /	44828.	1	1.00	80.0	NG
12T	8.18	745	77. /	136.	105220. /	201326.	2	1.00	80.0	NG
13T	8.72	811	82. /	136.	221102. /	201326.	2	0.83	80.0	NG
14T	8.83	827	139. /	136.	57588. /	201326.	2	0.81	80.0	NG
15T	9.00	847	107. /	136.	107853. /	201326.	2	0.96	80.0	NG
16T	9.20	874	93. /	136.	157362. /	201326.	2	0.84	80.0	NG
17T	9.35	892	162. /	136.	102146. /	201326.	2	1.00	80.0	NG
18T	9.52	913	180. /	136.	112853. /	201326.	2	0.96	80.0	NG
19T	9.67	932	128. /	136.	361464. /	201326.	2	0.75	80.0	NG
20T	9.82	952	127. /	136.	153094. /	201326.	2	0.77	80.0	NG
21T	9.97	970	225. /	136.	62640. /	201326.	2	1.00	80.0	NG
22T	10.90	1090	107. /	136.	106997. /	201326.	2	1.00	80.0	NG
23T	11.17	1123	142. /	136.	266180. /	201326.	2	0.82	80.0	NG
24T	11.52	1168	237. /	164.	76336. /	124219.	3	0.93	80.0	NG
25T	11.80	1204	196. /	164.	77155. /	124219.	3	0.97	80.0	NG
26T	11.85	1211	196. /	164.	77310. /	124219.	3	1.00	80.0	NG
27T	12.22	1257	162. /	164.	224234. /	124219.	3	0.72	80.0	NG
28T	12.48	1290	65. /	164.	51180. /	124219.	3	0.82	80.0	NG
29T	12.97	1351	163. /	164.	232902. /	124219.	3	0.90	80.0	NG
30T	13.12	1372	152. /	164.	354712. /	124219.	3	0.94	80.0	NG
31T	13.07	1364	165. /	164.	46610. /	124219.	3	1.00	80.0	NG
32T	13.40	1407	138. /	164.	54743. /	124219.	3	0.89	80.0	NG
33T	13.52	1422	153. /	164.	203006. /	124219.	3	0.89	80.0	NG
34T	13.63	1437	184. /	164.	18347. /	124219.	3	1.00	80.0	NG
35T	13.82	1460	109. /	164.	22653. /	124219.	3	0.71	80.0	NG
36T	13.92	1472	168. /	164.	320768. /	124219.	3	0.90	80.0	NG
37T	13.93	1475	165. /	164.	56293. /	124219.	3	1.00	80.0	NG
38T	14.55	1553	149. /	164.	228170. /	124219.	3	0.79	80.0	NG
39T	14.72	1575	204. /	164.	133420. /	124219.	3	0.92	80.0	NG
40T	14.67	1568	166. /	164.	251840. /	124219.	3	0.66	80.0	NG
41T	14.75	1578	138. /	164.	40759. /	124219.	3	0.95	80.0	NG
42T	14.82	1588	198. /	188.	26923. /	199766.	4	1.00	80.0	NG
43T	14.98	1609	169. /	188.	166218. /	199766.	4	0.73	80.0	NG
44T	15.80	1712	248. /	188.	80066. /	199766.	4	0.96	80.0	NG
45T	15.87	1721	284. /	188.	80799. /	199766.	4	1.00	80.0	NG
46T	16.33	1779	266. /	188.	42246. /	199766.	4	1.00	80.0	NG
47T	16.78	1838	178. /	188.	347824. /	199766.	4	0.85	80.0	NG
48T	16.92	1853	178. /	188.	332656. /	199766.	4	0.88	80.0	NG
49T	17.30	1902	167. /	188.	278496. /	199766.	4	0.87	80.0	NG
50T	18.20	2018	149. /	188.	350948. /	199766.	4	0.77	80.0	NG

51T	19.45	2176	202. /	188.	349388. /	199766.	4	0.90	80.0	NG
52T	19.93	2238	202. /	240.	353416. /	150654.	5	0.83	80.0	NG
53T	21.55	2442	149. /	240.	130384. /	150654.	5	0.96	80.0	NG
54T	22.63	2581	252. /	240.	76011. /	150654.	5	1.00	80.0	NG
55T	22.65	2582	228. /	240.	318242. /	150654.	5	0.83	80.0	NG
56T	22.72	2592	228. /	240.	279998. /	150654.	5	0.79	80.0	NG
57T	22.87	2611	149. /	240.	167290. /	150654.	5	0.91	80.0	NG
58T	24.25	2787	149. /	264.	273612. /	148444.	6	0.35	80.0	NG
59T	24.90	2868	252. /	264.	351124. /	148444.	6	0.92	80.0	NG
60T	24.95	2876	252. /	264.	247970. /	148444.	6	0.79	80.0	NG
61T	25.52	2947	252. /	264.	285444. /	148444.	6	0.76	80.0	NG
62T	27.80	3237	276. /	264.	307970. /	148444.	6	0.96	80.0	NG
63T	27.85	3243	278. /	264.	266752. /	148444.	6	0.85	80.0	NG
64T	28.42	3316	276. /	264.	274622. /	148444.	6	1.00	80.0	NG
65T	8.15	740	82. /	136.	96046. /	201326.	2	0.87	80.0	NG
66T	12.00	1230	172. /	164.	232642. /	124219.	3	0.93	80.0	NG
67T	20.37	2293	244. /	240.	219350. /	150654.	5	0.73	80.0	NG
68T	6.42	519	99. /	152.	134313. /	44828.	1	0.85	80.0	NG
69T	4.77	309	112. /	152.	97018. /	44828.	1	0.84	80.0	NG
70T	15.18	1634	330. /	164.	29334. /	124219.	3	0.97	80.0	NG
71T	6.62	545	132. /	152.	89678. /	44828.	1	0.88	80.0	NG
72T	7.33	636	152. /	152.	66670. /	44828.	1	1.00	80.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	7.05	600	152. /	152.	44828. /	44828.	1	0.96	50.0	NG
82T	9.62	926	136. /	136.	201326. /	201326.	2	0.77	50.0	NG
83T	13.45	1413	164. /	164.	124219. /	124219.	3	0.90	80.0	NG
84T	16.73	1831	188. /	188.	199766. /	199766.	4	0.92	80.0	NG
85T	22.67	2585	240. /	240.	150654. /	150654.	5	0.88	80.0	NG
86T	25.62	2960	264. /	264.	148444. /	148444.	6	0.91	80.0	NG

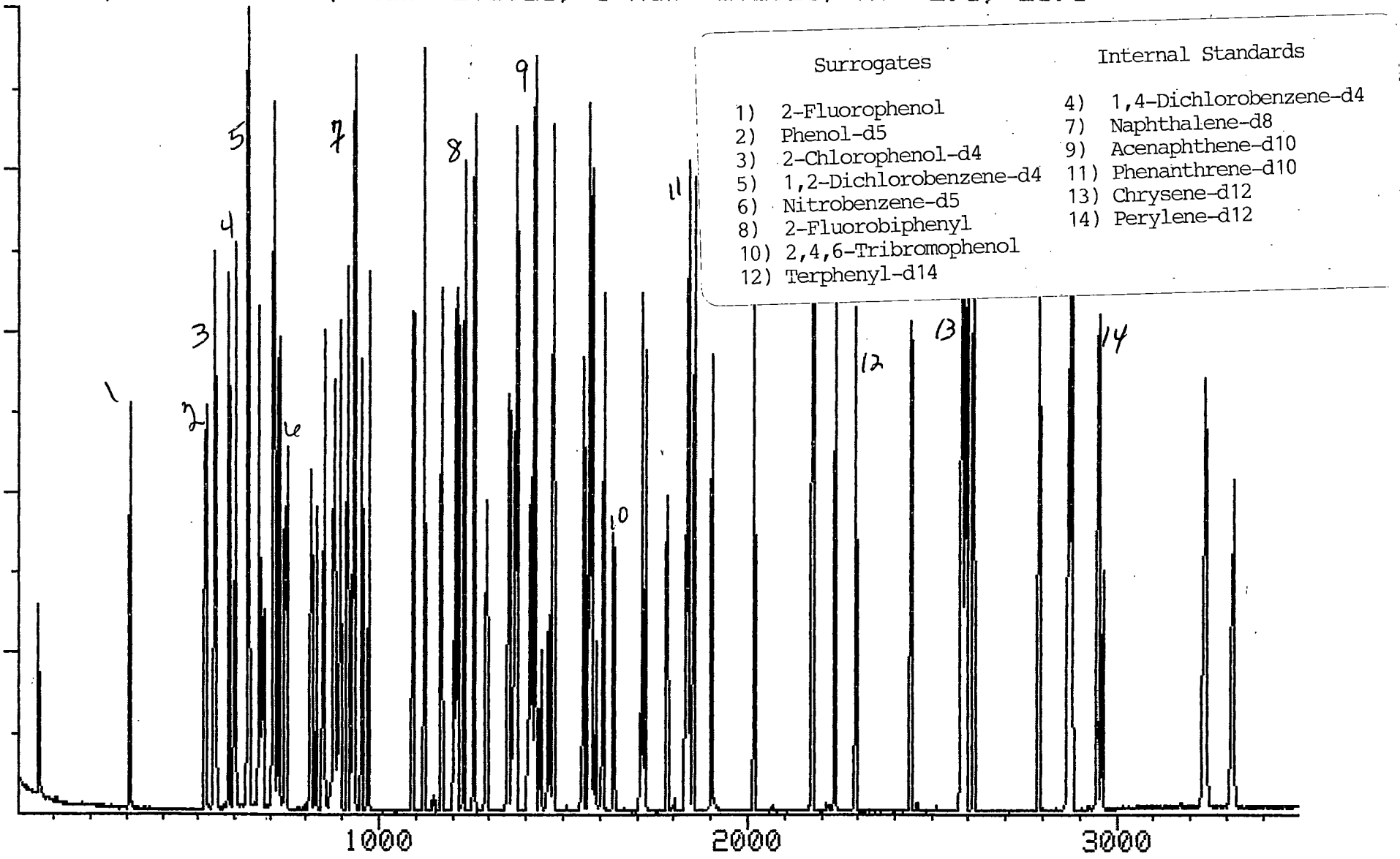
Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SM0514
Injection time: 14-MAY-92 14:42:48

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.912	94. / 152.	1.663	80.0	IA BV RF			1.00
2T	0.936	93. / 152.	1.073	80.0	IA VV RF			1.00
3T	0.943	128. / 152.	1.350	80.0	IA BB RF			1.00
4T	0.983	146. / 152.	1.377	80.0	IA BV RF			1.00
5T	1.004	146. / 152.	1.391	80.0	IA VV RF			1.00
6T	1.045	146. / 152.	1.208	80.0	IA VB RF			1.00
7T	1.075	108. / 152.	1.335	80.0	IA BV RF			1.00
8T	1.085	45. / 152.	1.449	80.0	IA BV RF			1.00
9T	1.121	108. / 152.	1.373	80.0	IA VV RF			1.00
10T	1.121	70. / 152.	0.793	80.0	IA BV RF			1.00
11T	1.139	117. / 152.	0.602	80.0	IA BB RF			1.00
12T	0.850	77. / 136.	0.261	80.0	IA VV RF			1.00
13T	0.906	82. / 136.	0.549	80.0	IA VV RF			1.00
14T	0.918	139. / 136.	0.143	80.0	IA VB RF			1.00
15T	0.936	107. / 136.	0.268	80.0	IA VV RF			1.00
16T	0.956	93. / 136.	0.391	80.0	IA VV RF			1.00
17T	0.972	162. / 136.	0.254	80.0	IA BB RF			1.00
18T	0.990	180. / 136.	0.280	80.0	IA BB RF			1.00
19T	1.005	128. / 136.	0.898	80.0	IA VV RF			1.00
20T	1.021	127. / 136.	0.380	80.0	IA VB RF			1.00
21T	1.036	225. / 136.	0.156	80.0	IA VB RF			1.00
22T	1.133	107. / 136.	0.266	80.0	IA BB RF			1.00
23T	1.161	142. / 136.	0.661	80.0	IA VV RF			1.00
24T	0.857	237. / 164.	0.307	80.0	IA BB RF			1.00
25T	0.877	196. / 164.	0.311	80.0	IA BV RF			1.00
26T	0.881	196. / 164.	0.311	80.0	IA VV RF			1.00
27T	0.909	162. / 164.	0.903	80.0	IA VB RF			1.00
28T	0.928	65. / 164.	0.206	80.0	IA VB RF			1.00
29T	0.964	163. / 164.	0.937	80.0	IA BB RF			1.00
30T	0.975	152. / 164.	1.428	80.0	IA BV RF			1.00
31T	0.972	165. / 164.	0.188	80.0	IA VV RF			1.00
32T	0.996	138. / 164.	0.220	80.0	IA BV RF			1.00
33T	1.005	153. / 164.	0.817	80.0	IA VV RF			1.00
34T	1.013	184. / 164.	0.074	80.0	IA BB RF			1.00
35T	1.028	109. / 164.	0.091	80.0	IA BV RF			1.00
36T	1.035	168. / 164.	1.291	80.0	IA VV RF			1.00
37T	1.036	165. / 164.	0.227	80.0	IA BB RF			1.00
38T	1.082	149. / 164.	0.918	80.0	IA BV RF			1.00
39T	1.094	204. / 164.	0.537	80.0	IA VB RF			1.00
40T	1.091	166. / 164.	1.014	80.0	IA BV RF			1.00

41T	1.097	138. / 164.	0.164	80.0	IA BV RF	1.00
42T	0.886	198. / 188.	0.067	80.0	IA BB RF	1.00
43T	0.895	169. / 188.	0.416	80.0	IA VV RF	1.00
44T	0.944	248. / 188.	0.200	80.0	IA VV RF	1.00
45T	0.949	284. / 188.	0.202	80.0	IA BB RF	1.00
46T	0.976	266. / 188.	0.106	80.0	IA BB RF	1.00
47T	1.003	178. / 188.	0.871	80.0	IA BV RF	1.00
48T	1.011	178. / 188.	0.833	80.0	IA VV RF	1.00
49T	1.034	167. / 188.	0.697	80.0	IA BV RF	1.00
50T	1.088	149. / 188.	0.878	80.0	IA BB RF	1.00
51T	1.163	202. / 188.	0.874	80.0	IA BB RF	1.00
52T	0.879	202. / 240.	1.173	80.0	IA BV RF	1.00
53T	0.951	149. / 240.	0.433	80.0	IA BB RF	1.00
54T	0.998	252. / 240.	0.252	80.0	IA BB RF	1.00
55T	0.999	228. / 240.	1.056	80.0	IA BV RF	1.00
56T	1.002	228. / 240.	0.929	80.0	IA VB RF	1.00
57T	1.009	149. / 240.	0.555	80.0	IA VB RF	1.00
58T	0.947	149. / 264.	0.922	80.0	IA BB RF	1.00
59T	0.972	252. / 264.	1.183	80.0	IA VV RF	1.00
60T	0.974	252. / 264.	0.835	80.0	IA VV RF	1.00
61T	0.996	252. / 264.	0.961	80.0	IA VB RF	1.00
62T	1.085	276. / 264.	1.037	80.0	IA VV RF	1.00
63T	1.087	278. / 264.	0.898	80.0	IA VV RF	1.00
64T	1.109	276. / 264.	0.925	80.0	IA VB RF	1.00
65T	0.847	82. / 136.	0.239	80.0	IA VV RF	1.00
66T	0.892	172. / 164.	0.936	80.0	IA BV RF	1.00
67T	0.899	244. / 240.	0.728	80.0	IA BB RF	1.00
68T	0.911	99. / 152.	1.498	80.0	IA BV RF	1.00
69T	0.677	112. / 152.	1.082	80.0	IA BB RF	1.00
70T	1.129	330. / 164.	0.118	80.0	IA BB RF	1.00
71T	0.939	132. / 152.	1.000	80.0	IA BB RF	1.00
72T	1.040	152. / 152.	0.744	80.0	IA VB RF	1.00
81T	1.000	152. / 152.	0.800	50.0	IA VB RF	1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF	1.00
83T	1.000	164. / 164.	0.500	80.0	IA VB RF	1.00
84T	1.000	188. / 188.	0.500	80.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.500	80.0	IA BB RF	1.00
86T	1.000	264. / 264.	0.500	80.0	IA BB RF	1.00

DU0:[301,6]3SMH0514, SSTD120 EXTR03, 14-MAY-92, 15:15:21
Q1 TIC, Sns: 1-3495, Max: 272126, C Max: 272126, RT: 2.3, 29.8



Box number 1 Scans available 1-3495

000640

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SMH0514
Injection time: 14-MAY-92 15:15:21
Comments:
SSTD120 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.05	601						STD	0.92	40.0	NG
2S	9.63	928						STD	0.83	40.0	NG
3S	13.45	1414						STD	0.95	40.0	NG
4S	16.75	1832						STD	0.92	40.0	NG
5S	22.68	2587						STD	0.84	40.0	NG
6S	25.63	2962						STD	0.83	40.0	NG
1T	6.47	525	94. /	152.	230338. /	50411.		1	0.85	120.0	NG
2T	6.62	545	93. /	152.	144634. /	50411.		1	0.90	120.0	NG
3T	6.67	551	128. /	152.	178682. /	50411.		1	0.92	120.0	NG
4T	6.95	587	146. /	152.	190724. /	50411.		1	0.88	120.0	NG
5T	7.10	606	146. /	152.	191122. /	50411.		1	0.84	120.0	NG
6T	7.38	642	146. /	152.	135904. /	50411.		1	0.88	120.0	NG
7T	7.60	670	108. /	152.	190536. /	50411.		1	0.92	120.0	NG
8T	7.65	677	45. /	152.	198446. /	50411.		1	0.94	120.0	NG
9T	7.93	712	108. /	152.	187200. /	50411.		1	1.00	120.0	NG
10T	7.92	711	70. /	152.	112889. /	50411.		1	1.00	120.0	NG
11T	8.03	725	117. /	152.	80409. /	50411.		1	1.00	120.0	NG
12T	8.20	747	77. /	136.	163452. /	227258.		2	0.85	120.0	NG
13T	8.73	814	82. /	136.	355014. /	227258.		2	0.71	120.0	NG
14T	8.85	829	139. /	136.	92727. /	227258.		2	0.96	120.0	NG
15T	9.02	849	107. /	136.	173176. /	227258.		2	0.91	120.0	NG
16T	9.22	876	93. /	136.	250246. /	227258.		2	0.84	120.0	NG
17T	9.37	894	162. /	136.	158708. /	227258.		2	0.93	120.0	NG
18T	9.53	915	180. /	136.	170948. /	227258.		2	0.92	120.0	NG
19T	9.68	934	128. /	136.	545288. /	227258.		2	0.68	120.0	NG
20T	9.83	953	127. /	136.	239590. /	227258.		2	0.77	120.0	NG
21T	9.97	971	225. /	136.	91544. /	227258.		2	1.00	120.0	NG
22T	10.92	1092	107. /	136.	174400. /	227258.		2	0.82	120.0	NG
23T	11.18	1125	142. /	136.	392448. /	227258.		2	0.61	120.0	NG
24T	11.53	1169	237. /	164.	125632. /	134516.		3	0.93	120.0	NG
25T	11.82	1205	196. /	164.	128533. /	134516.		3	0.90	120.0	NG
26T	11.87	1213	196. /	164.	119221. /	134516.		3	1.00	120.0	NG
27T	12.23	1259	162. /	164.	342120. /	134516.		3	0.80	120.0	NG
28T	12.50	1292	65. /	164.	86471. /	134516.		3	0.85	120.0	NG
29T	12.98	1353	163. /	164.	356960. /	134516.		3	0.85	120.0	NG
30T	13.13	1374	152. /	164.	526288. /	134516.		3	0.94	120.0	NG
31T	13.08	1367	165. /	164.	72856. /	134516.		3	1.00	120.0	NG
32T	13.42	1409	138. /	164.	89857. /	134516.		3	0.89	120.0	NG
33T	13.53	1424	153. /	164.	298280. /	134516.		3	0.81	120.0	NG
34T	13.65	1439	184. /	164.	30805. /	134516.		3	1.00	120.0	NG
35T	13.83	1462	109. /	164.	36434. /	134516.		3	0.71	120.0	NG
36T	13.92	1473	168. /	164.	476952. /	134516.		3	0.90	120.0	NG
37T	13.95	1477	165. /	164.	83310. /	134516.		3	1.00	120.0	NG
38T	14.55	1554	149. /	164.	344648. /	134516.		3	0.79	120.0	NG
39T	14.73	1577	204. /	164.	194786. /	134516.		3	0.92	120.0	NG
40T	14.68	1570	166. /	164.	368460. /	134516.		3	0.66	120.0	NG
41T	14.77	1581	138. /	164.	47540. /	134516.		3	1.00	120.0	NG
42T	14.83	1590	198. /	188.	40299. /	212284.		4	1.00	120.0	NG
43T	15.00	1610	169. /	188.	254574. /	212284.		4	0.73	120.0	NG
44T	15.80	1713	248. /	188.	119843. /	212284.		4	0.96	120.0	NG
45T	15.88	1723	284. /	188.	117665. /	212284.		4	1.00	120.0	NG
46T	16.33	1780	266. /	188.	64195. /	212284.		4	1.00	120.0	NG
47T	16.80	1840	178. /	188.	489568. /	212284.		4	0.89	120.0	NG
48T	16.92	1854	178. /	188.	477760. /	212284.		4	0.88	120.0	NG
49T	17.30	1903	167. /	188.	389240. /	212284.		4	0.87	120.0	NG
50T	18.22	2019	149. /	188.	503448. /	212284.		4	0.77	120.0	NG

51T	19.47	2177	202. /	188.	474712. /	212284.	4	0.90	120.0	NG
52T	19.95	2240	202. /	240.	491884. /	150688.	5	0.83	120.0	NG
53T	21.55	2443	149. /	240.	208544. /	150688.	5	0.88	120.0	NG
54T	22.65	2582	252. /	240.	106400. /	150688.	5	1.00	120.0	NG
55T	22.67	2584	228. /	240.	466600. /	150688.	5	0.77	120.0	NG
56T	22.73	2594	228. /	240.	401440. /	150688.	5	0.79	120.0	NG
57T	22.88	2612	149. /	240.	275188. /	150688.	5	0.91	120.0	NG
58T	24.27	2788	149. /	264.	461076. /	159224.	6	0.41	120.0	NG
59T	24.92	2871	252. /	264.	541804. /	159224.	6	0.92	120.0	NG
60T	24.98	2878	252. /	264.	371048. /	159224.	6	0.86	120.0	NG
61T	25.55	2950	252. /	264.	439900. /	159224.	6	0.83	120.0	NG
62T	27.82	3240	276. /	264.	491412. /	159224.	6	0.96	120.0	NG
63T	27.87	3246	278. /	264.	420644. /	159224.	6	0.82	120.0	NG
64T	28.45	3319	276. /	264.	454686. /	159224.	6	0.95	120.0	NG
65T	8.17	742	82. /	136.	161880. /	227258.	2	0.80	120.0	NG
66T	12.02	1232	172. /	164.	362828. /	134516.	3	0.85	120.0	NG
67T	20.38	2295	244. /	240.	319984. /	150688.	5	0.80	120.0	NG
68T	6.43	521	99. /	152.	230616. /	50411.	1	0.81	120.0	NG
69T	4.77	310	112. /	152.	167144. /	50411.	1	0.84	120.0	NG
70T	15.20	1636	330. /	164.	49233. /	134516.	3	1.00	120.0	NG
71T	6.63	546	132. /	152.	146321. /	50411.	1	0.92	120.0	NG
72T	7.35	638	152. /	152.	103308. /	50411.	1	0.85	120.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	7.05	601	152. /	152.	50411. /	50411.	1	0.85	50.0	NG
82T	9.63	928	136. /	136.	227258. /	227258.	2	0.83	50.0	NG
83T	13.45	1414	164. /	164.	134516. /	134516.	3	0.86	120.0	NG
84T	16.75	1832	188. /	188.	212284. /	212284.	4	0.96	5000.0	NG
85T	22.68	2587	240. /	240.	150688. /	150688.	5	0.84	120.0	NG
86T	25.63	2962	264. /	264.	159224. /	159224.	6	0.83	120.0	NG

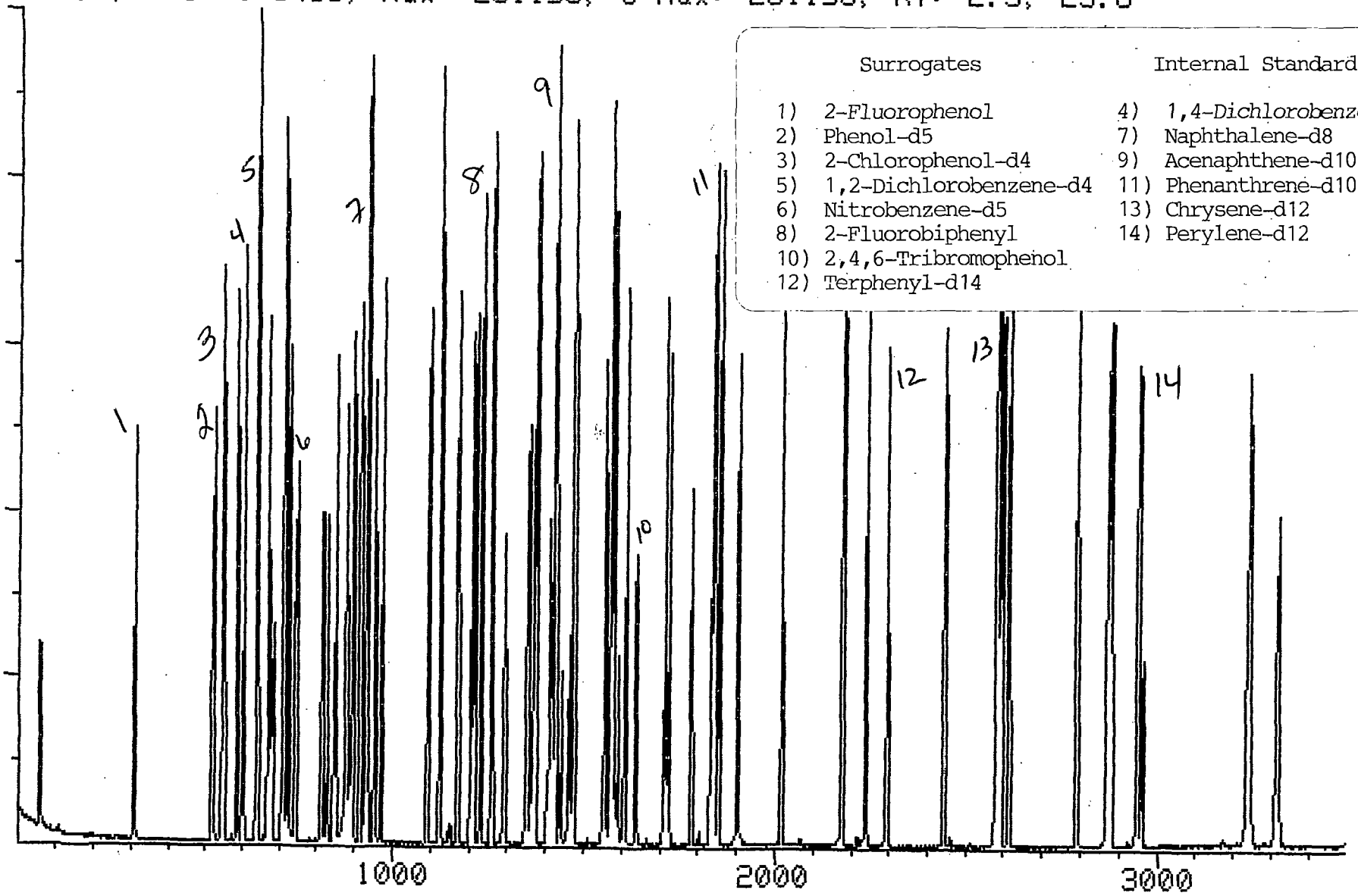
Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SMH0514
Injection time: 14-MAY-92 15:15:21

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.918	94. / 152.	1.523	120.0	IA BV RF			1.00
2T	0.939	93. / 152.	0.956	120.0	IA VB RF			1.00
3T	0.946	128. / 152.	1.181	120.0	IA BB RF			1.00
4T	0.986	146. / 152.	1.261	120.0	IA BV RF			1.00
5T	1.007	146. / 152.	1.264	120.0	IA VV RF			1.00
6T	1.047	146. / 152.	0.899	120.0	IA VB RF			1.00
7T	1.078	108. / 152.	1.260	120.0	IA VV RF			1.00
8T	1.085	45. / 152.	1.312	120.0	IA BV RF			1.00
9T	1.125	108. / 152.	1.238	120.0	IA VV RF			1.00
10T	1.123	70. / 152.	0.746	120.0	IA BV RF			1.00
11T	1.139	117. / 152.	0.532	120.0	IA VB RF			1.00
12T	0.852	77. / 136.	0.240	120.0	IA VV RF			1.00
13T	0.907	82. / 136.	0.521	120.0	IA VV RF			1.00
14T	0.919	139. / 136.	0.136	120.0	IA VB RF			1.00
15T	0.937	107. / 136.	0.254	120.0	IA VV RF			1.00
16T	0.957	93. / 136.	0.367	120.0	IA VV RF			1.00
17T	0.973	162. / 136.	0.233	120.0	IA BB RF			1.00
18T	0.990	180. / 136.	0.251	120.0	IA BB RF			1.00
19T	1.005	128. / 136.	0.800	120.0	IA VV RF			1.00
20T	1.021	127. / 136.	0.351	120.0	IA VV RF			1.00
21T	1.035	225. / 136.	0.134	120.0	IA VB RF			1.00
22T	1.134	107. / 136.	0.256	120.0	IA VB RF			1.00
23T	1.161	142. / 136.	0.576	120.0	IA VV RF			1.00
24T	0.857	237. / 164.	0.311	120.0	IA BB RF			1.00
25T	0.879	196. / 164.	0.319	120.0	IA BV RF			1.00
26T	0.883	196. / 164.	0.295	120.0	IA VB RF			1.00
27T	0.909	162. / 164.	0.848	120.0	IA VB RF			1.00
28T	0.929	65. / 164.	0.214	120.0	IA VV RF			1.00
29T	0.965	163. / 164.	0.885	120.0	IA BB RF			1.00
30T	0.976	152. / 164.	1.304	120.0	IA BV RF			1.00
31T	0.972	165. / 164.	0.181	120.0	IA VV RF			1.00
32T	0.998	138. / 164.	0.223	120.0	IA BV RF			1.00
33T	1.006	153. / 164.	0.739	120.0	IA VV RF			1.00
34T	1.015	184. / 164.	0.076	120.0	IA BB RF			1.00
35T	1.028	109. / 164.	0.090	120.0	IA BV RF			1.00
36T	1.035	168. / 164.	1.182	120.0	IA VV RF			1.00
37T	1.037	165. / 164.	0.206	120.0	IA BB RF			1.00
38T	1.082	149. / 164.	0.854	120.0	IA BV RF			1.00
39T	1.095	204. / 164.	0.483	120.0	IA VB RF			1.00
40T	1.091	166. / 164.	0.913	120.0	IA VV RF			1.00

41T	1.098	138. / 164.	0.118	120.0	IA VV RF		1.00
42T	0.885	198. / 188.	0.063	120.0	IA BV RF		1.00
43T	0.896	169. / 188.	0.400	120.0	IA VV RF		1.00
44T	0.943	248. / 188.	0.188	120.0	IA VV RF		1.00
45T	0.948	284. / 188.	0.185	120.0	IA BV RF		1.00
46T	0.975	266. / 188.	0.101	120.0	IA BV RF		1.00
47T	1.003	178. / 188.	0.769	120.0	IA BV RF		1.00
48T	1.010	178. / 188.	0.750	120.0	IA VV RF		1.00
49T	1.033	167. / 188.	0.611	120.0	IA BB RF		1.00
50T	1.088	149. / 188.	0.791	120.0	IA BV RF		1.00
51T	1.162	202. / 188.	0.745	120.0	IA BV RF		1.00
52T	0.880	202. / 240.	1.088	120.0	IA BB RF		1.00
53T	0.950	149. / 240.	0.461	120.0	IA BB RF		1.00
54T	0.999	252. / 240.	0.235	120.0	IA BV RF		1.00
55T	1.000	228. / 240.	1.032	120.0	IA VV RF		1.00
56T	1.002	228. / 240.	0.888	120.0	IA VB RF		1.00
57T	1.009	149. / 240.	0.609	120.0	IA VB RF		1.00
58T	0.947	149. / 264.	0.965	120.0	IA BB RF		1.00
59T	0.972	252. / 264.	1.134	120.0	IA VV RF		1.00
60T	0.975	252. / 264.	0.777	120.0	IA BV RF		1.00
61T	0.997	252. / 264.	0.921	120.0	IA BV RF		1.00
62T	1.085	276. / 264.	1.029	120.0	IA VB RF		1.00
63T	1.087	278. / 264.	0.881	120.0	IA VB RF		1.00
64T	1.110	276. / 264.	0.952	120.0	IA VV RF		1.00
65T	0.848	82. / 136.	0.237	120.0	IA VV RF		1.00
66T	0.894	172. / 164.	0.899	120.0	IA VB RF		1.00
67T	0.899	244. / 240.	0.708	120.0	IA BB RF		1.00
68T	0.912	99. / 152.	1.525	120.0	IA BV RF		1.00
69T	0.677	112. / 152.	1.105	120.0	IA BB RF		1.00
70T	1.130	330. / 164.	0.122	120.0	IA BB RF		1.00
71T	0.940	132. / 152.	0.968	120.0	IA BB RF		1.00
72T	1.043	152. / 152.	0.683	120.0	IA VV RF		1.00
81T	1.000	152. / 152.	0.800	50.0	IA VV RF		1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF		1.00
83T	1.000	164. / 164.	0.333	120.0	IA VB RF		1.00
84T	1.000	188. / 188.	0.008	5000.0	IA VB RF		1.00
85T	1.000	240. / 240.	0.333	120.0	IA BB RF		1.00
86T	1.000	264. / 264.	0.333	120.0	IA BB RF		1.00

DU0:[301,613SH0514, SSTD160 EXTR03, 14-MAY-92, 15:53:36
Q1 TIC, Sns: 1-3496, Max: 261158, C Max: 261158, RT: 2.3, 29.8



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000647

Box number 1 Scans available 1-3496

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SH0514
Injection time: 14-MAY-92 15:53:36
Comments:
SSTD160 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.07	602						STD	0.92	40.0	NG
2S	9.63	928						STD	0.77	40.0	NG
3S	13.45	1414						STD	0.95	40.0	NG
4S	16.75	1833						STD	0.96	40.0	NG
5S	22.68	2587						STD	0.84	40.0	NG
6S	25.63	2962						STD	0.91	40.0	NG
1T	6.47	526	94. /	152.	234104. /	38269.		1	0.85	160.0	NG
2T	6.63	546	93. /	152.	141716. /	38269.		1	0.90	160.0	NG
3T	6.67	552	128. /	152.	181934. /	38269.		1	0.92	160.0	NG
4T	6.95	587	146. /	152.	191432. /	38269.		1	0.88	160.0	NG
5T	7.10	606	146. /	152.	192540. /	38269.		1	0.84	160.0	NG
6T	7.38	642	146. /	152.	145344. /	38269.		1	0.88	160.0	NG
7T	7.62	671	108. /	152.	190894. /	38269.		1	0.96	160.0	NG
8T	7.65	677	45. /	152.	206188. /	38269.		1	0.94	160.0	NG
9T	7.93	713	108. /	152.	171708. /	38269.		1	1.00	160.0	NG
10T	7.93	712	70. /	152.	113026. /	38269.		1	1.00	160.0	NG
11T	8.05	726	117. /	152.	84234. /	38269.		1	1.00	160.0	NG
12T	8.22	748	77. /	136.	163980. /	170470.		2	0.85	160.0	NG
13T	8.75	815	82. /	136.	363260. /	170470.		2	0.71	160.0	NG
14T	8.87	830	139. /	136.	96826. /	170470.		2	0.92	160.0	NG
15T	9.02	850	107. /	136.	175550. /	170470.		2	0.87	160.0	NG
16T	9.23	877	93. /	136.	250180. /	170470.		2	0.84	160.0	NG
17T	9.37	895	162. /	136.	159003. /	170470.		2	0.96	160.0	NG
18T	9.53	915	180. /	136.	175438. /	170470.		2	0.88	160.0	NG
19T	9.68	935	128. /	136.	549296. /	170470.		2	0.68	160.0	NG
20T	9.83	954	127. /	136.	237616. /	170470.		2	0.77	160.0	NG
21T	9.98	972	225. /	136.	92330. /	170470.		2	1.00	160.0	NG
22T	10.92	1092	107. /	136.	173906. /	170470.		2	0.82	160.0	NG
23T	11.18	1126	142. /	136.	389244. /	170470.		2	0.82	160.0	NG
24T	11.53	1170	237. /	164.	123351. /	101059.		3	0.90	160.0	NG
25T	11.82	1206	196. /	164.	133814. /	101059.		3	0.90	160.0	NG
26T	11.88	1214	196. /	164.	115067. /	101059.		3	1.00	160.0	NG
27T	12.25	1260	162. /	164.	340772. /	101059.		3	0.76	160.0	NG
28T	12.50	1293	65. /	164.	86477. /	101059.		3	0.89	160.0	NG
29T	12.98	1354	163. /	164.	360558. /	101059.		3	0.90	160.0	NG
30T	13.15	1375	152. /	164.	519148. /	101059.		3	0.94	160.0	NG
31T	13.10	1368	165. /	164.	72258. /	101059.		3	1.00	160.0	NG
32T	13.42	1410	138. /	164.	91181. /	101059.		3	0.89	160.0	NG
33T	13.55	1425	153. /	164.	295628. /	101059.		3	0.89	160.0	NG
34T	13.67	1440	184. /	164.	34044. /	101059.		3	1.00	160.0	NG
35T	13.83	1463	109. /	164.	37033. /	101059.		3	0.71	160.0	NG
36T	13.93	1474	168. /	164.	477412. /	101059.		3	0.90	160.0	NG
37T	13.97	1478	165. /	164.	85527. /	101059.		3	1.00	160.0	NG
38T	14.57	1555	149. /	164.	348676. /	101059.		3	0.79	160.0	NG
39T	14.73	1577	204. /	164.	193300. /	101059.		3	0.92	160.0	NG
40T	14.68	1571	166. /	164.	369204. /	101059.		3	0.62	160.0	NG
41T	14.78	1582	138. /	164.	69362. /	101059.		3	1.00	160.0	NG
42T	14.85	1592	198. /	188.	42872. /	160849.		4	1.00	160.0	NG
43T	15.00	1611	169. /	188.	257276. /	160849.		4	0.80	160.0	NG
44T	15.82	1714	248. /	188.	118733. /	160849.		4	0.96	160.0	NG
45T	15.90	1724	284. /	188.	116393. /	160849.		4	1.00	160.0	NG
46T	16.35	1781	266. /	188.	67393. /	160849.		4	1.00	160.0	NG
47T	16.82	1841	178. /	188.	507792. /	160849.		4	0.81	160.0	NG
48T	16.92	1855	178. /	188.	472688. /	160849.		4	0.88	160.0	NG
49T	17.32	1904	167. /	188.	399140. /	160849.		4	0.87	160.0	NG
50T	18.22	2019	149. /	188.	515384. /	160849.		4	0.77	160.0	NG

51T	19.47	2178	202. /	188.	481028. /	160849.	4	0.95	160.0	NG
52T	19.97	2241	202. /	240.	500232. /	108538.	5	0.83	160.0	NG
53T	21.55	2444	149. /	240.	206448. /	108538.	5	0.88	160.0	NG
54T	22.65	2583	252. /	240.	105918. /	108538.	5	1.00	160.0	NG
55T	22.67	2585	228. /	240.	453900. /	108538.	5	0.77	160.0	NG
56T	22.75	2595	228. /	240.	402976. /	108538.	5	0.79	160.0	NG
57T	22.88	2613	149. /	240.	265194. /	108538.	5	0.91	160.0	NG
58T	24.27	2789	149. /	264.	458612. /	116891.	6	0.35	160.0	NG
59T	24.93	2872	252. /	264.	556640. /	116891.	6	0.92	160.0	NG
60T	24.97	2878	252. /	264.	340352. /	116891.	6	0.82	160.0	NG
61T	25.53	2950	252. /	264.	443908. /	116891.	6	0.68	160.0	NG
62T	27.83	3241	276. /	264.	496162. /	116891.	6	0.92	160.0	NG
63T	27.87	3246	278. /	264.	421018. /	116891.	6	0.85	160.0	NG
64T	28.45	3320	276. /	264.	443888. /	116891.	6	0.95	160.0	NG
65T	8.18	743	82. /	136.	161821. /	170470.	2	0.93	160.0	NG
66T	12.03	1233	172. /	164.	355524. /	101059.	3	0.85	160.0	NG
67T	20.38	2295	244. /	240.	318606. /	108538.	5	0.80	160.0	NG
68T	6.43	522	99. /	152.	219400. /	38269.	1	0.81	160.0	NG
69T	4.77	310	112. /	152.	164200. /	38269.	1	0.79	160.0	NG
70T	15.22	1637	330. /	164.	48254. /	101059.	3	1.00	160.0	NG
71T	6.63	548	132. /	152.	139108. /	38269.	1	0.92	160.0	NG
72T	7.35	638	152. /	152.	103760. /	38269.	1	0.89	160.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	7.06	602	152. /	152.	38269. /	38269.	1	0.85	50.0	NG
82T	9.63	928	136. /	136.	170470. /	170470.	2	0.77	50.0	NG
83T	13.45	1414	164. /	164.	101059. /	101059.	3	0.90	160.0	NG
84T	16.75	1833	188. /	188.	160849. /	160849.	4	0.96	160.0	NG
85T	22.68	2587	240. /	240.	108538. /	108538.	5	0.84	160.0	NG
86T	25.63	2962	264. /	264.	116891. /	116891.	6	0.91	160.0	NG

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SH0514
Injection time: 14-MAY-92 15:53:36

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.915	94. / 152.	1.529	160.0	IA	BV	RF			1.00
2T	0.938	93. / 152.	0.926	160.0	IA	VV	RF			1.00
3T	0.943	128. / 152.	1.189	160.0	IA	BB	RF			1.00
4T	0.983	146. / 152.	1.251	160.0	IA	BV	RF			1.00
5T	1.004	146. / 152.	1.258	160.0	IA	VV	RF			1.00
6T	1.044	146. / 152.	0.949	160.0	IA	VB	RF			1.00
7T	1.078	108. / 152.	1.247	160.0	IA	BV	RF			1.00
8T	1.082	45. / 152.	1.347	160.0	IA	BV	RF			1.00
9T	1.122	108. / 152.	1.122	160.0	IA	VV	RF			1.00
10T	1.122	70. / 152.	0.738	160.0	IA	BV	RF			1.00
11T	1.139	117. / 152.	0.550	160.0	IA	VB	RF			1.00
12T	0.854	77. / 136.	0.240	160.0	IA	VV	RF			1.00
13T	0.909	82. / 136.	0.533	160.0	IA	VV	RF			1.00
14T	0.921	139. / 136.	0.142	160.0	IA	VV	RF			1.00
15T	0.937	107. / 136.	0.257	160.0	IA	VV	RF			1.00
16T	0.958	93. / 136.	0.367	160.0	IA	VV	RF			1.00
17T	0.973	162. / 136.	0.233	160.0	IA	BB	RF			1.00
18T	0.990	180. / 136.	0.257	160.0	IA	BB	RF			1.00
19T	1.005	128. / 136.	0.806	160.0	IA	VV	RF			1.00
20T	1.021	127. / 136.	0.348	160.0	IA	VB	RF			1.00
21T	1.036	225. / 136.	0.135	160.0	IA	VB	RF			1.00
22T	1.134	107. / 136.	0.255	160.0	IA	VV	RF			1.00
23T	1.161	142. / 136.	0.571	160.0	IA	VV	RF			1.00
24T	0.857	237. / 164.	0.305	160.0	IA	BB	RF			1.00
25T	0.879	196. / 164.	0.331	160.0	IA	BV	RF			1.00
26T	0.883	196. / 164.	0.285	160.0	IA	VB	RF			1.00
27T	0.911	162. / 164.	0.843	160.0	IA	VB	RF			1.00
28T	0.929	65. / 164.	0.214	160.0	IA	VB	RF			1.00
29T	0.965	163. / 164.	0.892	160.0	IA	BB	RF			1.00
30T	0.978	152. / 164.	1.284	160.0	IA	BV	RF			1.00
31T	0.974	165. / 164.	0.179	160.0	IA	VV	RF			1.00
32T	0.998	138. / 164.	0.226	160.0	IA	BV	RF			1.00
33T	1.007	153. / 164.	0.731	160.0	IA	VV	RF			1.00
34T	1.016	184. / 164.	0.084	160.0	IA	BB	RF			1.00
35T	1.028	109. / 164.	0.092	160.0	IA	BV	RF			1.00
36T	1.036	168. / 164.	1.181	160.0	IA	VV	RF			1.00
37T	1.039	165. / 164.	0.212	160.0	IA	BB	RF			1.00
38T	1.083	149. / 164.	0.863	160.0	IA	BV	RF			1.00
39T	1.095	204. / 164.	0.478	160.0	IA	VB	RF			1.00
40T	1.091	166. / 164.	0.913	160.0	IA	VV	RF			1.00

41T	1.099	138. / 164.	0.172	160.0	IA BV RF		1.00
42T	0.887	198. / 188.	0.067	160.0	IA BB RF		1.00
43T	0.896	169. / 188.	0.400	160.0	IA VV RF		1.00
44T	0.944	248. / 188.	0.185	160.0	IA VV RF		1.00
45T	0.949	284. / 188.	0.181	160.0	IA BB RF		1.00
46T	0.976	266. / 188.	0.105	160.0	IA BB RF		1.00
47T	1.004	178. / 188.	0.789	160.0	IA BV RF		1.00
48T	1.010	178. / 188.	0.735	160.0	IA VV RF		1.00
49T	1.034	167. / 188.	0.620	160.0	IA BV RF		1.00
50T	1.088	149. / 188.	0.801	160.0	IA BV RF		1.00
51T	1.162	202. / 188.	0.748	160.0	IA BV RF		1.00
52T	0.881	202. / 240.	1.152	160.0	IA BV RF		1.00
53T	0.950	149. / 240.	0.476	160.0	IA VB RF		1.00
54T	0.999	252. / 240.	0.244	160.0	IA BB RF		1.00
55T	1.000	228. / 240.	1.045	160.0	IA BV RF		1.00
56T	1.003	228. / 240.	0.928	160.0	IA VB RF		1.00
57T	1.009	149. / 240.	0.611	160.0	IA VB RF		1.00
58T	0.947	149. / 264.	0.981	160.0	IA BB RF		1.00
59T	0.973	252. / 264.	1.191	160.0	IA VV RF		1.00
60T	0.974	252. / 264.	0.728	160.0	IA VV RF		1.00
61T	0.996	252. / 264.	0.949	160.0	IA VB RF		1.00
62T	1.086	276. / 264.	1.061	160.0	IA VB RF		1.00
63T	1.087	278. / 264.	0.900	160.0	IA VB RF		1.00
64T	1.110	276. / 264.	0.949	160.0	IA VB RF		1.00
65T	0.849	82. / 136.	0.237	160.0	IA VV RF		1.00
66T	0.894	172. / 164.	0.879	160.0	IA VB RF		1.00
67T	0.899	244. / 240.	0.734	160.0	IA VB RF		1.00
68T	0.909	99. / 152.	1.433	160.0	IA BV RF		1.00
69T	0.675	112. / 152.	1.073	160.0	IA BB RF		1.00
70T	1.132	330. / 164.	0.119	160.0	IA BB RF		1.00
71T	0.938	132. / 152.	0.909	160.0	IA BV RF		1.00
72T	1.040	152. / 152.	0.678	160.0	IA VV RF		1.00
81T	0.999	152. / 152.	0.800	50.0	IA VV RF		1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF		1.00
83T	1.000	164. / 164.	0.250	160.0	IA BB RF		1.00
84T	1.000	188. / 188.	0.250	160.0	IA BV RF		1.00
85T	1.000	240. / 240.	0.250	160.0	IA BB RF		1.00
86T	1.000	264. / 264.	0.250	160.0	IA BV RF		1.00

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/07/92 Time:1027

Lab File ID:3SML0507B Init. Calib. Date(s): 2/24/92 2/24/92

Init. Calib. Times: ~~1747~~ 1534 ~~1712~~ 1747 RC 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	2.072	1.921	0.800	7.3	25.0
bis(2-chloroethyl)ether	1.196	1.280	0.700	7.0	25.0
2-Chlorophenol	1.458	1.407	0.800	3.5	25.0
1,3-Dichlorobenzene	1.467	1.429	0.600	2.6	25.0
1,4-Dichlorobenzene	1.516	1.439	0.500	5.1	25.0
1,2-Dichlorobenzene	1.291	1.321	0.400	2.3	25.0
2-Methylphenol	1.660	1.514	0.700	8.8	25.0
2,2'-oxybis(1-Chloropropane)	0.526	0.570		8.4	
4-Methylphenol	1.859	1.528	0.600	17.8	25.0
N-Nitroso-di-n-propylamine	1.160	1.134	0.500	2.2	25.0
Hexachloroethane	0.724	0.682	0.300	5.8	25.0
Nitrobenzene	0.350	0.355	0.200	1.4	25.0
Isophorone	0.641	0.654	0.400	2.0	25.0
2-Nitrophenol	0.174	0.162	0.100	6.9	25.0
2,4-Dimethylphenol	0.375	0.332	0.200	11.5	25.0
bis(2-chloroethoxy)methane	0.441	0.439	0.300	0.5	25.0
2,4-Dichlorophenol	0.269	0.242	0.200	10.0	25.0
1,2,4-Trichlorobenzene	0.297	0.261	0.200	12.1	25.0
Naphthalene	1.011	0.920	0.700	9.0	25.0
4-Chloroaniline	0.167	0.381		128.1	
Hexachlorobutadiene	0.174	0.154		11.5	
4-Chloro-3-methylphenol	0.371	0.335	0.200	9.7	25.0
2-Methylnaphthalene	0.712	0.625	0.400	12.2	25.0
Hexachlorocyclopentadiene	0.427	0.337		21.1	
2,4,6-Trichlorophenol	0.401	0.333	0.200	17.0	25.0
2,4,5-Trichlorophenol	0.448	0.335	0.200	25.2	25.0
2-Chloronaphthalene	1.138	0.923	0.800	18.9	25.0
2-Nitroaniline	0.438	0.355		18.9	
Dimethylphthalate	1.224	1.008		17.6	
Acenaphthylene	1.866	1.492	1.300	20.0	25.0
2,6-Dinitrotoluene	0.269	0.208	0.200	22.7	25.0
3-Nitroaniline	0.301	0.248		17.6	
Acenaphthene	1.127	0.921	0.800	18.3	25.0
2,4-Dinitrophenol	0.142	0.102		28.2	
4-Nitrophenol	0.204	0.155		24.0	
Dibenzofuran	1.760	1.410	0.800	19.9	25.0
2,4-Dinitrotoluene	0.393	0.282	0.200	28.2	25.0

All other compounds must meet a minimum RRF of 0.010

000654

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/07/92 Time:1027

Lab File ID:3SML0507B Init. Calib. Date(s): 2/24/92 2/24/92

Init. Calib. Times: ~~1747~~ 1534 ~~1712~~ 1747 RC 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.297	1.056		18.6	
4-Chlorophenyl-phenylether	0.669	0.546	0.400	18.4	25.0
Fluorene	1.286	1.067	0.900	17.0	25.0
4-Nitroaniline	0.301	0.209		30.6	
4,6-Dinitro-2-methylphenol	0.104	0.082		21.2	
N-Nitrosodiphenylamine (1)	0.285	0.406		42.5	
4-Bromophenyl-phenylether	0.223	0.191	0.100	14.3	25.0
Hexachlorobenzene	0.222	0.180	0.100	18.9	25.0
Pentachlorophenol	0.144	0.097	0.050	32.6	25.0
Phenanthrene	1.071	0.888	0.700	17.1	25.0
Anthracene	1.052	0.860	0.700	18.3	25.0
Carbazole	0.955	0.710		25.7	
Di-n-butylphthalate	1.209	0.942		22.1	
Fluoranthene	1.165	0.840	0.600	27.9	25.0
Pyrene	1.295	1.180	0.600	8.9	25.0
Butylbenzylphthalate	0.577	0.505		12.5	
3,3'-Dichlorobenzidine	0.180	0.295		63.9	
Benzo(a)anthracene	1.366	1.117	0.800	18.2	25.0
Chrysene	0.987	0.880	0.700	10.8	25.0
bis(2-ethylhexyl)phthalate	0.804	0.710		11.7	
Di-n-Octylphthalate	1.135	1.183		4.2	
Benzo(b)fluoranthene	1.256	1.111	0.700	11.5	25.0
Benzo(k)fluoranthene	0.916	0.898	0.700	2.0	25.0
Benzo(a)pyrene	1.036	0.973	0.700	6.1	25.0
Indeno(1,2,3-cd)pyrene	1.071	0.960	0.500	10.4	25.0
Dibenz(a,h)anthracene	0.994	0.916	0.400	7.8	25.0
Benzo(g,h,i)perylene	1.072	0.973	0.500	9.2	25.0
Nitrobenzene-d5	0.345	0.327	0.200	5.2	25.0
2-Fluorobiphenyl	1.259	0.994	0.700	21.0	25.0
Terphenyl-d14	0.824	0.698	0.500	15.3	25.0
Phenol-d5	1.813	1.779	0.800	1.9	25.0
2-Fluorophenol	1.279	1.323	0.600	3.4	25.0
2,4,6-Tribromophenol	0.156	0.106		32.1	
2-Chlorophenol-d4	1.161	1.104	0.800	4.9	25.0
1,2-Dichlorobenzene-d4	0.869	0.795	0.400	8.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

000655

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/08/92 Time:0742

Lab File ID:3SML0508 Init. Calib. Date(s): 2/24/92 2/24/92

Init. Calib. Times: ~~1747~~ 1534 ~~1712~~ 1747 RG 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	2.072	1.918	0.800	7.4	25.0
bis(2-chloroethyl)ether	1.196	1.272	0.700	6.4	25.0
2-Chlorophenol	1.458	1.403	0.800	3.8	25.0
1,3-Dichlorobenzene	1.467	1.519	0.600	3.5	25.0
1,4-Dichlorobenzene	1.516	1.538	0.500	1.5	25.0
1,2-Dichlorobenzene	1.291	1.375	0.400	6.5	25.0
2-Methylphenol	1.660	1.567	0.700	5.6	25.0
2,2'-oxybis(1-Chloropropane)	0.526	0.522		0.8	
4-Methylphenol	1.859	1.536	0.600	17.4	25.0
N-Nitroso-di-n-propylamine	1.160	1.085	0.500	6.5	25.0
Hexachloroethane	0.724	0.693	0.300	4.3	25.0
Nitrobenzene	0.350	0.339	0.200	3.1	25.0
Isophorone	0.641	0.639	0.400	0.3	25.0
2-Nitrophenol	0.174	0.147	0.100	15.5	25.0
2,4-Dimethylphenol	0.375	0.326	0.200	13.1	25.0
bis(2-chloroethoxy)methane	0.441	0.427	0.300	3.2	25.0
2,4-Dichlorophenol	0.269	0.250	0.200	7.1	25.0
1,2,4-Trichlorobenzene	0.297	0.275	0.200	7.4	25.0
Naphthalene	1.011	0.915	0.700	9.5	25.0
4-Chloroaniline	0.167	0.390		133.5	
Hexachlorobutadiene	0.174	0.171		1.7	
4-Chloro-3-methylphenol	0.371	0.323	0.200	12.9	25.0
2-Methylnaphthalene	0.712	0.633	0.400	11.1	25.0
Hexachlorocyclopentadiene	0.427	0.359		15.9	
2,4,6-Trichlorophenol	0.401	0.347	0.200	13.5	25.0
2,4,5-Trichlorophenol	0.448	0.347	0.200	22.5	25.0
2-Chloronaphthalene	1.138	0.985	0.800	13.4	25.0
2-Nitroaniline	0.438	0.300		31.5	
Dimethylphthalate	1.224	1.024		16.3	
Acenaphthylene	1.866	1.518	1.300	18.6	25.0
2,6-Dinitrotoluene	0.269	0.194	0.200	27.9	25.0
3-Nitroaniline	0.301	0.222		26.2	
Acenaphthene	1.127	0.928	0.800	17.7	25.0
2,4-Dinitrophenol	0.142	0.074		47.9	
4-Nitrophenol	0.204	0.132		35.3	
Dibenzofuran	1.760	1.388	0.800	21.1	25.0
2,4-Dinitrotoluene	0.393	0.282	0.200	28.2	25.0

All other compounds must meet a minimum RRF of 0.010

000656

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/08/92 Time:0742

Lab File ID:3SML0508 Init. Calib. Date(s): 2/24/92 2/24/92

Init. Calib. Times: ~~1747~~ 1534 ~~1712~~ 1747 RG 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.297	1.029		20.7	
4-Chlorophenyl-phenylether	0.669	0.565	0.400	15.5	25.0
Fluorene	1.286	1.090	0.900	15.2	25.0
4-Nitroaniline	0.301	0.179		40.5	
4,6-Dinitro-2-methylphenol	0.104	0.066		36.5	
N-Nitrosodiphenylamine (1)	0.285	0.387		35.8	
4-Bromophenyl-phenylether	0.223	0.198	0.100	11.2	25.0
Hexachlorobenzene	0.222	0.199	0.100	10.4	25.0
Pentachlorophenol	0.144	0.097	0.050	32.6	25.0
Phenanthrene	1.071	0.838	0.700	21.8	25.0
Anthracene	1.052	0.844	0.700	19.8	25.0
Carbazole	0.955	0.717		24.9	
Di-n-butylphthalate	1.209	0.922		23.7	
Fluoranthene	1.165	0.882	0.600	24.3	25.0
Pyrene	1.295	1.177	0.600	9.1	25.0
Butylbenzylphthalate	0.577	0.442		23.4	
3,3'-Dichlorobenzidine	0.180	0.295		63.9	
Benzo(a)anthracene	1.366	1.077	0.800	21.2	25.0
Chrysene	0.987	0.923	0.700	6.5	25.0
bis(2-ethylhexyl)phthalate	0.804	0.656		18.4	
Di-n-Octylphthalate	1.135	1.030		9.3	
Benzo(b)fluoranthene	1.256	1.148	0.700	8.6	25.0
Benzo(k)fluoranthene	0.916	0.855	0.700	6.7	25.0
Benzo(a)pyrene	1.036	0.951	0.700	8.2	25.0
Indeno(1,2,3-cd)pyrene	1.071	0.956	0.500	10.7	25.0
Dibenz(a,h)anthracene	0.994	0.902	0.400	9.3	25.0
Benzo(g,h,i)perylene	1.072	0.963	0.500	10.2	25.0
Nitrobenzene-d5	0.345	0.315	0.200	8.7	25.0
2-Fluorobiphenyl	1.259	1.035	0.700	17.8	25.0
Terphenyl-d14	0.824	0.723	0.500	12.3	25.0
Phenol-d5	1.813	1.776	0.800	2.0	25.0
2-Fluorophenol	1.279	1.328	0.600	3.8	25.0
2,4,6-Tribromophenol	0.156	0.121		22.4	
2-Chlorophenol-d4	1.161	1.149	0.800	1.0	25.0
1,2-Dichlorobenzene-d4	0.869	0.846	0.400	2.6	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

000657

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/15/92 Time:0800

Lab File ID:3SML0515 Init. Calib. Date(s): 5/14/92 5/14/92

Init. Calib. Times: ~~1626~~ 1301 ~~1553~~ 1626 RG 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.646	1.765	0.800	7.2	25.0
bis(2-chloroethyl)ether	1.049	1.152	0.700	9.8	25.0
2-Chlorophenol	1.297	1.414	0.800	9.0	25.0
1,3-Dichlorobenzene	1.358	1.425	0.600	4.9	25.0
1,4-Dichlorobenzene	1.384	1.434	0.500	3.6	25.0
1,2-Dichlorobenzene	1.148	1.294	0.400	12.7	25.0
2-Methylphenol	1.348	1.459	0.700	8.2	25.0
2,2'-oxybis(1-Chloropropane)	0.426	0.467		9.6	
4-Methylphenol	1.347	1.462	0.600	8.5	25.0
N-Nitroso-di-n-propylamine	0.799	0.832	0.500	4.1	25.0
Hexachloroethane	0.591	0.660	0.300	11.7	25.0
Nitrobenzene	0.259	0.301	0.200	16.2	25.0
Isophorone	0.546	0.570	0.400	4.4	25.0
2-Nitrophenol	0.137	0.141	0.100	2.9	25.0
2,4-Dimethylphenol	0.268	0.274	0.200	2.2	25.0
bis(2-chloroethoxy)methane	0.387	0.405	0.300	4.7	25.0
2,4-Dichlorophenol	0.243	0.234	0.200	3.7	25.0
1,2,4-Trichlorobenzene	0.273	0.259	0.200	5.1	25.0
Naphthalene	0.881	0.913	0.700	3.6	25.0
4-Chloroaniline	0.364	0.360		1.1	
Hexachlorobutadiene	0.149	0.133		10.7	
4-Chloro-3-methylphenol	0.263	0.260	0.200	1.1	25.0
2-Methylnaphthalene	0.630	0.640	0.400	1.6	25.0
Hexachlorocyclopentadiene	0.314	0.291		7.3	
2,4,6-Trichlorophenol	0.316	0.307	0.200	2.8	25.0
2,4,5-Trichlorophenol	0.304	0.311	0.200	2.3	25.0
2-Chloronaphthalene	0.920	0.976	0.800	6.1	25.0
2-Nitroaniline	0.206	0.229		11.2	
Dimethylphthalate	0.923	0.923		0.0	
Acenaphthylene	1.423	1.519	1.300	6.7	25.0
2,6-Dinitrotoluene	0.180	0.183	0.200	1.7	25.0
3-Nitroaniline	0.207	0.171		17.4	
Acenaphthene	0.815	0.841	0.800	3.2	25.0
2,4-Dinitrophenol	0.064	0.047		26.6	
4-Nitrophenol	0.084	0.068		19.0	
Dibenzofuran	1.273	1.294	0.800	1.6	25.0
2,4-Dinitrotoluene	0.208	0.199	0.200	4.3	25.0

All other compounds must meet a minimum RRF of 0.010

000658

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/15/92 Time:0800

Lab File ID:3SML0515 Init. Calib. Date(s): 5/14/92 5/14/92

Init. Calib. Times: ~~1626~~ 1301 ~~1553~~ 1626 RG 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	0.878	0.852		3.0	
4-Chlorophenyl-phenylether	0.532	0.533	0.400	0.2	25.0
Fluorene	0.987	0.999	0.900	1.2	25.0
4-Nitroaniline	0.143	0.103		28.0	
4,6-Dinitro-2-methylphenol	0.058	0.049		15.5	
N-Nitrosodiphenylamine (1)	0.421	0.421		0.0	
4-Bromophenyl-phenylether	0.205	0.203	0.100	1.0	25.0
Hexachlorobenzene	0.202	0.179	0.100	11.4	25.0
Pentachlorophenol	0.095	0.081	0.050	14.7	25.0
Phenanthrene	0.848	0.895	0.700	5.5	25.0
Anthracene	0.804	0.831	0.700	3.4	25.0
Carbazole	0.653	0.657		0.6	
Di-n-butylphthalate	0.817	0.852		4.3	
Fluoranthene	0.802	0.758	0.600	5.5	25.0
Pyrene	1.194	1.332	0.600	11.6	25.0
Butylbenzylphthalate	0.420	0.434		3.3	
3,3'-Dichlorobenzidine	0.248	0.235		5.2	
Benzo(a)anthracene	1.031	1.008	0.800	2.2	25.0
Chrysene	0.916	0.942	0.700	2.8	25.0
bis(2-ethylhexyl)phthalate	0.539	0.592		9.8	
Di-n-Octylphthalate	0.865	0.950		9.8	
Benzo(b)fluoranthene	1.120	1.080	0.700	3.6	25.0
Benzo(k)fluoranthene	0.841	0.952	0.700	13.2	25.0
Benzo(a)pyrene	0.930	0.977	0.700	5.1	25.0
Indeno(1,2,3-cd)pyrene	1.010	1.015	0.500	0.5	25.0
Dibenz(a,h)anthracene	0.869	0.897	0.400	3.2	25.0
Benzo(g,h,i)perylene	0.928	0.972	0.500	4.7	25.0
Nitrobenzene-d5	0.241	0.280	0.200	16.2	25.0
2-Fluorobiphenyl	0.959	1.019	0.700	6.3	25.0
Terphenyl-d14	0.739	0.781	0.500	5.7	25.0
Phenol-d5	1.525	1.584	0.800	3.9	25.0
2-Fluorophenol	1.107	1.209	0.600	9.2	25.0
2,4,6-Tribromophenol	0.111	0.085		23.4	
2-Chlorophenol-d4	0.999	1.058	0.800	5.9	25.0
1,2-Dichlorobenzene-d4	0.734	0.754	0.400	2.7	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

000653

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/18/92 Time:1349

Lab File ID:3SML0518A Init. Calib. Date(s): 5/14/92 5/14/92

Init. Calib. Times: ~~1626~~ 1301 ~~1553~~ 1626 RG 6/3/92

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.646	1.843	0.800	12.0	25.0
bis(2-chloroethyl)ether	1.049	1.149	0.700	9.5	25.0
2-Chlorophenol	1.297	1.401	0.800	8.0	25.0
1,3-Dichlorobenzene	1.358	1.418	0.600	4.4	25.0
1,4-Dichlorobenzene	1.384	1.460	0.500	5.5	25.0
1,2-Dichlorobenzene	1.148	1.292	0.400	12.5	25.0
2-Methylphenol	1.348	1.396	0.700	3.6	25.0
2,2'-oxybis(1-Chloropropane)	0.426	0.407		4.5	
4-Methylphenol	1.347	1.568	0.600	16.4	25.0
N-Nitroso-di-n-propylamine	0.799	0.938	0.500	17.4	25.0
Hexachloroethane	0.591	0.664	0.300	12.4	25.0
Nitrobenzene	0.259	0.299	0.200	15.4	25.0
Isophorone	0.546	0.618	0.400	13.2	25.0
2-Nitrophenol	0.137	0.118	0.100	13.9	25.0
2,4-Dimethylphenol	0.268	0.282	0.200	5.2	25.0
bis(2-chloroethoxy)methane	0.387	0.417	0.300	7.8	25.0
2,4-Dichlorophenol	0.243	0.247	0.200	1.6	25.0
1,2,4-Trichlorobenzene	0.273	0.276	0.200	1.1	25.0
Naphthalene	0.881	0.932	0.700	5.8	25.0
4-Chloroaniline	0.364	0.409		12.4	
Hexachlorobutadiene	0.149	0.148		0.7	
4-Chloro-3-methylphenol	0.263	0.280	0.200	6.5	25.0
2-Methylnaphthalene	0.630	0.657	0.400	4.3	25.0
Hexachlorocyclopentadiene	0.314	0.272		13.4	
2,4,6-Trichlorophenol	0.316	0.309	0.200	2.2	25.0
2,4,5-Trichlorophenol	0.304	0.313	0.200	3.0	25.0
2-Chloronaphthalene	0.920	0.943	0.800	2.5	25.0
2-Nitroaniline	0.206	0.239		16.0	
Dimethylphthalate	0.923	0.982		6.4	
Acenaphthylene	1.423	1.474	1.300	3.6	25.0
2,6-Dinitrotoluene	0.180	0.186	0.200	3.3	25.0
3-Nitroaniline	0.207	0.246		18.8	
Acenaphthene	0.815	0.846	0.800	3.8	25.0
2,4-Dinitrophenol	0.064	0.062		3.1	
4-Nitrophenol	0.084	0.115		36.9	
Dibenzofuran	1.273	1.309	0.800	2.8	25.0
2,4-Dinitrotoluene	0.208	0.247	0.200	18.8	25.0

All other compounds must meet a minimum RRF of 0.010

000660

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:EXTR03 Calibration Date: 5/18/92 Time:1349

Lab File ID:3SML0518A Init. Calib. Date(s): 5/14/92 5/14/92

Init. Calib. Times: ~~1626~~ 1301 ~~1553~~ 1626 RG 6/3/92

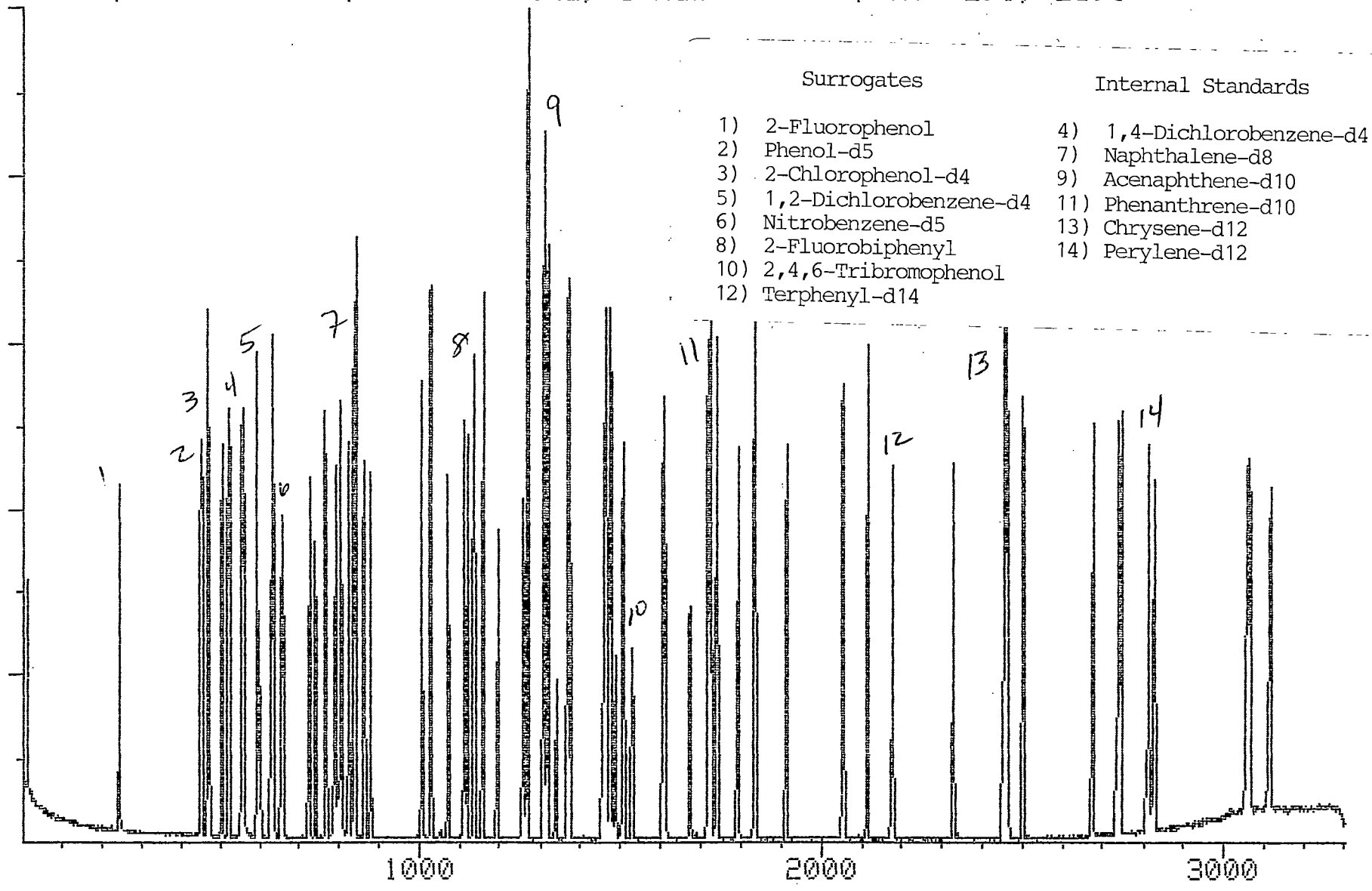
COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	0.878	0.929		5.8	
4-Chlorophenyl-phenylether	0.532	0.544	0.400	2.3	25.0
Fluorene	0.987	1.025	0.900	3.9	25.0
4-Nitroaniline	0.143	0.175		22.4	
4,6-Dinitro-2-methylphenol	0.058	0.052		10.3	
N-Nitrosodiphenylamine (1)	0.421	0.429		1.9	
4-Bromophenyl-phenylether	0.205	0.198	0.100	3.4	25.0
Hexachlorobenzene	0.202	0.184	0.100	8.9	25.0
Pentachlorophenol	0.095	0.097	0.050	2.1	25.0
Phenanthrene	0.848	0.897	0.700	5.8	25.0
Anthracene	0.804	0.837	0.700	4.1	25.0
Carbazole	0.653	0.759		16.2	
Di-n-butylphthalate	0.817	0.881		7.8	
Fluoranthene	0.802	0.903	0.600	12.6	25.0
Pyrene	1.194	1.423	0.600	19.2	25.0
Butylbenzylphthalate	0.420	0.486		15.7	
3,3'-Dichlorobenzidine	0.248	0.310		25.0	
Benzo(a)anthracene	1.031	1.283	0.800	24.4	25.0
Chrysene	0.916	1.022	0.700	11.6	25.0
bis(2-ethylhexyl)phthalate	0.539	0.595		10.4	
Di-n-Octylphthalate	0.865	0.873		0.9	
Benzo(b)fluoranthene	1.120	1.120	0.700	0.0	25.0
Benzo(k)fluoranthene	0.841	0.879	0.700	4.5	25.0
Benzo(a)pyrene	0.930	0.963	0.700	3.5	25.0
Indeno(1,2,3-cd)pyrene	1.010	0.878	0.500	13.1	25.0
Dibenz(a,h)anthracene	0.869	0.850	0.400	2.2	25.0
Benzo(g,h,i)perylene	0.928	0.894	0.500	3.7	25.0
Nitrobenzene-d5	0.241	0.278	0.200	15.4	25.0
2-Fluorobiphenyl	0.959	0.978	0.700	2.0	25.0
Terphenyl-d14	0.739	0.890	0.500	20.4	25.0
Phenol-d5	1.525	1.651	0.800	8.3	25.0
2-Fluorophenol	1.107	1.204	0.600	8.8	25.0
2,4,6-Tribromophenol	0.111	0.097		12.6	
2-Chlorophenol-d4	0.999	1.065	0.800	6.6	25.0
1,2-Dichlorobenzene-d4	0.734	0.797	0.400	8.6	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

000661

DU0:[301,3]3SML0507B, SSTD050 EXTR03, 07-MAY-92, 10:27:22
Q1 TIC, Sns: 1-3305, Max: 123122, C Max: 123122, RT: 2.0, 28.0



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

000662

Box number 1 Scans available 1-3305

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0507B
Injection time: 07-MAY-92 10:27:22
Comments:
SSTD050 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	519					STD	0.96	40.0	NG
2S	8.57	835					STD	0.94	40.0	NG
3S	12.32	1311					STD	0.95	40.0	NG
4S	15.53	1720					STD	0.96	40.0	NG
5S	21.33	2459					STD	0.92	40.0	NG
6S	24.23	2827					STD	0.96	40.0	NG
1T	5.57	453	94. /	152.	66446. /	27677.	1	1.00	50.0	NG
2T	5.68	469	93. /	152.	44289. /	27677.	1	0.80	50.0	NG
3T	5.70	471	128. /	152.	48673. /	27677.	1	0.80	50.0	NG
4T	5.97	504	146. /	152.	49445. /	27677.	1	0.96	50.0	NG
5T	6.12	523	146. /	152.	49771. /	27677.	1	0.96	50.0	NG
6T	6.38	557	146. /	152.	45717. /	27677.	1	0.92	50.0	NG
7T	6.67	593	108. /	152.	52390. /	27677.	1	1.00	50.0	NG
8T	6.73	603	45. /	152.	19704. /	27677.	1	0.88	50.0	NG
9T	6.98	634	108. /	152.	52852. /	27677.	1	0.79	50.0	NG
10T	6.95	629	70. /	152.	39228. /	27677.	1	0.93	50.0	NG
11T	7.00	637	117. /	152.	23593. /	27677.	1	1.00	50.0	NG
12T	7.18	660	77. /	136.	57636. /	129722.	2	1.00	50.0	NG
13T	7.70	726	82. /	136.	105987. /	129722.	2	0.94	50.0	NG
14T	7.83	741	139. /	136.	26329. /	129722.	2	0.96	50.0	NG
15T	8.03	767	107. /	136.	53832. /	129722.	2	1.00	50.0	NG
16T	8.23	792	93. /	136.	71162. /	129722.	2	0.92	50.0	NG
17T	8.33	806	162. /	136.	39231. /	129722.	2	0.85	50.0	NG
18T	8.48	824	180. /	136.	42289. /	129722.	2	0.88	50.0	NG
19T	8.62	841	128. /	136.	149160. /	129722.	2	0.95	50.0	NG
20T	8.80	864	127. /	136.	61817. /	129722.	2	1.00	50.0	NG
21T	8.92	880	225. /	136.	25017. /	129722.	2	1.00	50.0	NG
22T	9.87	1001	107. /	136.	54243. /	129722.	2	1.00	50.0	NG
23T	10.08	1028	142. /	136.	101356. /	129722.	2	1.00	50.0	NG
24T	10.43	1073	237. /	164.	31413. /	74591.	3	0.93	50.0	NG
25T	10.73	1111	196. /	164.	31075. /	74591.	3	1.00	50.0	NG
26T	10.80	1119	196. /	164.	31198. /	74591.	3	0.96	50.0	NG
27T	11.12	1159	162. /	164.	86076. /	74591.	3	0.92	50.0	NG
28T	11.40	1195	65. /	164.	33145. /	74591.	3	1.00	50.0	NG
29T	11.90	1258	163. /	164.	93992. /	74591.	3	0.95	50.0	NG
30T	11.98	1270	152. /	164.	139134. /	74591.	3	0.83	50.0	NG
31T	11.98	1270	165. /	164.	19359. /	74591.	3	0.78	50.0	NG
32T	12.30	1310	138. /	164.	23097. /	74591.	3	0.81	50.0	NG
33T	12.38	1320	153. /	164.	85844. /	74591.	3	1.00	50.0	NG
34T	12.55	1341	184. /	164.	9484. /	74591.	3	0.93	50.0	NG
35T	12.78	1372	109. /	164.	14417. /	74591.	3	0.76	50.0	NG
36T	12.77	1369	168. /	164.	131441. /	74591.	3	1.00	50.0	NG
37T	12.83	1378	165. /	164.	26282. /	74591.	3	1.00	50.0	NG
38T	13.47	1458	149. /	164.	98462. /	74591.	3	0.96	50.0	NG
39T	13.58	1474	204. /	164.	50907. /	74591.	3	0.85	50.0	NG
40T	13.50	1463	166. /	164.	99468. /	74591.	3	0.84	50.0	NG
41T	13.62	1478	138. /	164.	19493. /	74591.	3	1.00	50.0	NG
42T	13.70	1488	198. /	188.	12507. /	121733.	4	1.00	50.0	NG
43T	13.87	1508	169. /	188.	61847. /	121733.	4	0.84	50.0	NG
44T	14.63	1607	248. /	188.	29093. /	121733.	4	0.89	50.0	NG
45T	14.68	1613	284. /	188.	27432. /	121733.	4	0.91	50.0	NG
46T	15.15	1672	266. /	188.	14752. /	121733.	4	1.00	50.0	NG
47T	15.57	1726	178. /	188.	135151. /	121733.	4	1.00	50.0	NG
48T	15.68	1740	178. /	188.	130856. /	121733.	4	1.00	50.0	NG
49T	16.10	1793	167. /	188.	108019. /	121733.	4	0.93	50.0	NG
50T	17.07	1915	149. /	188.	143388. /	121733.	4	0.88	50.0	NG

51T	18.18	2057	202. /	188.	127751. /	121733.	4	1.00	50.0	NG
52T	18.65	2117	202. /	240.	135167. /	91661.	5	1.00	50.0	NG
53T	20.33	2331	149. /	240.	57833. /	91661.	5	1.00	50.0	NG
54T	21.35	2461	252. /	240.	33770. /	91661.	5	0.86	50.0	NG
55T	21.32	2456	228. /	240.	127986. /	91661.	5	0.94	50.0	NG
56T	21.40	2466	228. /	240.	100796. /	91661.	5	0.97	50.0	NG
57T	21.68	2502	149. /	240.	81359. /	91661.	5	0.95	50.0	NG
58T	23.03	2675	149. /	264.	136399. /	92212.	6	0.63	50.0	NG
59T	23.53	2737	252. /	264.	128056. /	92212.	6	1.00	50.0	NG
60T	23.58	2744	252. /	264.	103553. /	92212.	6	0.96	50.0	NG
61T	24.13	2814	252. /	264.	112203. /	92212.	6	0.97	50.0	NG
62T	26.07	3060	276. /	264.	110683. /	92212.	6	1.00	50.0	NG
63T	26.12	3067	278. /	264.	105561. /	92212.	6	0.00	50.0	NG
64T	26.52	3117	276. /	264.	112111. /	92212.	6	1.00	50.0	NG
65T	7.15	655	82. /	136.	52946. /	129722.	2	0.93	50.0	NG
66T	10.93	1136	172. /	164.	92721. /	74591.	3	1.00	50.0	NG
67T	19.13	2179	244. /	240.	79961. /	91661.	5	1.00	50.0	NG
68T	5.53	450	99. /	152.	61547. /	27677.	1	0.81	50.0	NG
69T	3.92	245	112. /	152.	45758. /	27677.	1	1.00	50.0	NG
70T	14.02	1529	330. /	164.	9851. /	74591.	3	0.88	50.0	NG
71T	5.67	467	132. /	152.	38210. /	27677.	1	0.75	50.0	NG
72T	6.35	553	152. /	152.	27491. /	27677.	1	0.85	50.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	6.08	519	152. /	152.	27677. /	27677.	1	0.96	50.0	NG
82T	8.57	835	136. /	136.	129722. /	129722.	2	0.94	50.0	NG
83T	12.32	1311	164. /	164.	74591. /	74591.	3	0.86	50.0	NG
84T	15.53	1720	188. /	188.	121733. /	121733.	4	0.96	50.0	NG
85T	21.33	2459	240. /	240.	91661. /	91661.	5	0.92	50.0	NG
86T	24.23	2827	264. /	264.	92212. /	92212.	6	0.96	50.0	NG

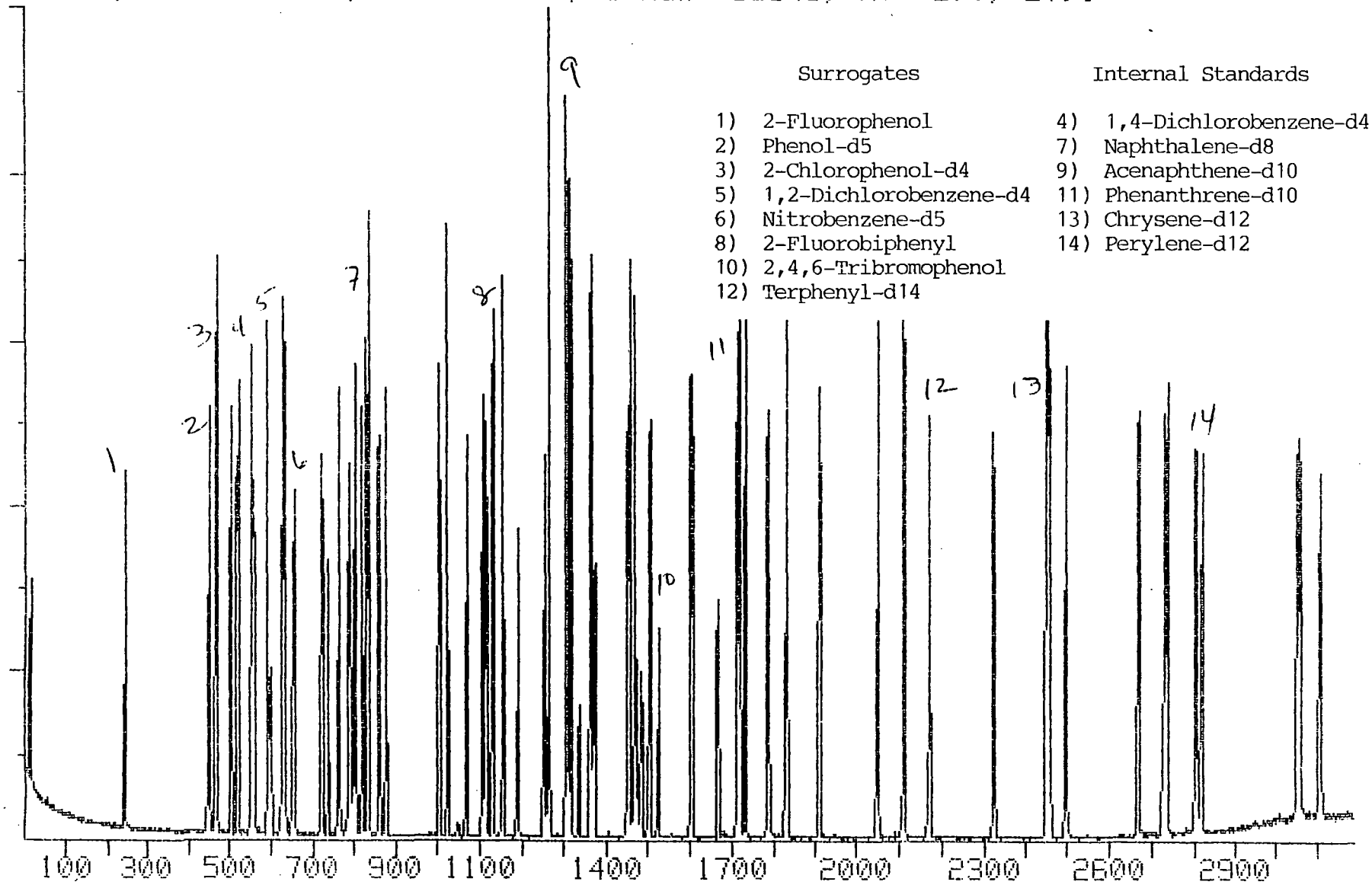
Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0507B
Injection time: 07-MAY-92 10:27:22

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.916	94. / 152.	1.921	50.0	IA	BV	RF			1.00
2T	0.934	93. / 152.	1.280	50.0	IA	BB	RF			1.00
3T	0.938	128. / 152.	1.407	50.0	IA	BB	RF			1.00
4T	0.982	146. / 152.	1.429	50.0	IA	BV	RF			1.00
5T	1.007	146. / 152.	1.439	50.0	IA	VV	RF			1.00
6T	1.049	146. / 152.	1.321	50.0	IA	VB	RF			1.00
7T	1.097	108. / 152.	1.514	50.0	IA	VV	RF			1.00
8T	1.107	45. / 152.	0.570	50.0	IA	BV	RF			1.00
9T	1.148	108. / 152.	1.528	50.0	IA	VB	RF			1.00
10T	1.143	70. / 152.	1.134	50.0	IA	BV	RF			1.00
11T	1.151	117. / 152.	0.682	50.0	IA	BB	RF			1.00
12T	0.838	77. / 136.	0.355	50.0	IA	VV	RF			1.00
13T	0.898	82. / 136.	0.654	50.0	IA	BV	RF			1.00
14T	0.914	139. / 136.	0.162	50.0	IA	VB	RF			1.00
15T	0.937	107. / 136.	0.332	50.0	IA	VV	RF			1.00
16T	0.960	93. / 136.	0.439	50.0	IA	VB	RF			1.00
17T	0.972	162. / 136.	0.242	50.0	IA	BB	RF			1.00
18T	0.989	180. / 136.	0.261	50.0	IA	BB	RF			1.00
19T	1.006	128. / 136.	0.920	50.0	IA	VV	RF			1.00
20T	1.027	127. / 136.	0.381	50.0	IA	VV	RF			1.00
21T	1.041	225. / 136.	0.154	50.0	IA	VB	RF			1.00
22T	1.152	107. / 136.	0.335	50.0	IA	BB	RF			1.00
23T	1.176	142. / 136.	0.625	50.0	IA	VV	RF			1.00
24T	0.847	237. / 164.	0.337	50.0	IA	BB	RF			1.00
25T	0.871	196. / 164.	0.333	50.0	IA	VB	RF			1.00
26T	0.877	196. / 164.	0.335	50.0	IA	VB	RF			1.00
27T	0.903	162. / 164.	0.923	50.0	IA	VB	RF			1.00
28T	0.925	65. / 164.	0.355	50.0	IA	BB	RF			1.00
29T	0.966	163. / 164.	1.008	50.0	IA	BV	RF			1.00
30T	0.972	152. / 164.	1.492	50.0	IA	BV	RF			1.00
31T	0.972	165. / 164.	0.208	50.0	IA	VV	RF			1.00
32T	0.998	138. / 164.	0.248	50.0	IA	BV	RF			1.00
33T	1.005	153. / 164.	0.921	50.0	IA	VB	RF			1.00
34T	1.019	184. / 164.	0.102	50.0	IA	BB	RF			1.00
35T	1.037	109. / 164.	0.155	50.0	IA	BB	RF			1.00
36T	1.037	168. / 164.	1.410	50.0	IA	VB	RF			1.00
37T	1.041	165. / 164.	0.282	50.0	IA	BB	RF			1.00
38T	1.093	149. / 164.	1.056	50.0	IA	BV	RF			1.00
39T	1.102	204. / 164.	0.546	50.0	IA	BB	RF			1.00
40T	1.096	166. / 164.	1.067	50.0	IA	BV	RF			1.00

41T	1.106	138. / 164.	0.209	50.0	IA VV RF		1.00
42T	0.882	198. / 188.	0.082	50.0	IA BB RF		1.00
43T	0.893	169. / 188.	0.406	50.0	IA VV RF		1.00
44T	0.942	248. / 188.	0.191	50.0	IA BB RF		1.00
45T	0.945	284. / 188.	0.180	50.0	IA BB RF		1.00
46T	0.976	266. / 188.	0.097	50.0	IA BB RF		1.00
47T	1.003	178. / 188.	0.888	50.0	IA BV RF		1.00
48T	1.010	178. / 188.	0.860	50.0	IA VB RF		1.00
49T	1.037	167. / 188.	0.710	50.0	IA BV RF		1.00
50T	1.099	149. / 188.	0.942	50.0	IA BB RF		1.00
51T	1.171	202. / 188.	0.840	50.0	IA BB RF		1.00
52T	0.874	202. / 240.	1.180	50.0	IA BB RF		1.00
53T	0.953	149. / 240.	0.505	50.0	IA BB RF		1.00
54T	1.001	252. / 240.	0.295	50.0	IA BB RF		1.00
55T	1.000	228. / 240.	1.117	50.0	IA BV RF		1.00
56T	1.003	228. / 240.	0.880	50.0	IA VB RF		1.00
57T	1.016	149. / 240.	0.710	50.0	IA VB RF		1.00
58T	0.950	149. / 264.	1.183	50.0	IA BB RF		1.00
59T	0.971	252. / 264.	1.110	50.0	IA VB RF		1.00
60T	0.973	252. / 264.	0.898	50.0	IA VB RF		1.00
61T	0.996	252. / 264.	0.973	50.0	IA BV RF		1.00
62T	1.076	276. / 264.	0.960	50.0	IA VV RF		1.00
63T	1.078	278. / 264.	0.916	50.0	IA O RF		1.00
64T	1.095	276. / 264.	0.973	50.0	IA BB RF		1.00
65T	0.834	82. / 136.	0.327	50.0	IA VV RF		1.00
66T	0.887	172. / 164.	0.994	50.0	IA BB RF		1.00
67T	0.897	244. / 240.	0.698	50.0	IA BB RF		1.00
68T	0.910	99. / 152.	1.779	50.0	IA BV RF		1.00
69T	0.645	112. / 152.	1.323	50.0	IA BB RF		1.00
70T	1.138	330. / 164.	0.106	50.0	IA BB RF		1.00
71T	0.933	132. / 152.	1.104	50.0	IA BB RF		1.00
72T	1.044	152. / 152.	0.795	50.0	IA VB RF		1.00
81T	1.000	152. / 152.	0.800	50.0	IA BV RF		1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF		1.00
83T	1.000	164. / 164.	0.800	50.0	IA VB RF		1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF		1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF		1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF		1.00

DU0:[301,4]3SML0508, SSTD050 EXTR03, 08-MAY-92, 07:42:17
Q1 TIC, Sns: 1-3185, Max: 88349, C Max: 88349, RT: 2.0, 27.0



Box number 1 Scans available 1-3185

COPY
ORIGINAL IS FILED IN CSF 19001

000669

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC.'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0508
Injection time: 08-MAY-92 07:42:17
Comments:
SSTD050 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

COPY
ORIGINAL IS FILED IN CSF 19001

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

COPY
ORIGINAL IS FILED IN CSF 19001

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

COPY
ORIGINAL IS FILED IN CSF 19001

1S	6.02	516					STD	0.96	40.0	NG
2S	8.50	832					STD	1.00	40.0	NG
3S	12.23	1306					STD	0.95	40.0	NG
4S	15.43	1714					STD	0.92	40.0	NG
5S	21.23	2452					STD	0.88	40.0	NG
6S	24.13	2820					STD	1.00	40.0	NG
1T	5.52	451	94. /	152.	50081. /	20891.	1	1.00	50.0	NG
2T	5.63	466	93. /	152.	33215. /	20891.	1	0.90	50.0	NG
3T	5.65	468	128. /	152.	36638. /	20891.	1	0.80	50.0	NG
4T	5.92	502	146. /	152.	39666. /	20891.	1	1.00	50.0	NG
5T	6.07	521	146. /	152.	40164. /	20891.	1	0.96	50.0	NG
6T	6.32	554	146. /	152.	35919. /	20891.	1	0.96	50.0	NG
7T	6.62	591	108. /	152.	40916. /	20891.	1	0.92	50.0	NG
8T	6.68	600	45. /	152.	13642. /	20891.	1	0.82	50.0	NG
9T	6.92	631	108. /	152.	40116. /	20891.	1	1.00	50.0	NG
10T	6.88	626	70. /	152.	28344. /	20891.	1	0.93	50.0	NG
11T	6.95	634	117. /	152.	18088. /	20891.	1	1.00	50.0	NG
12T	7.13	657	77. /	136.	42420. /	100221.	2	1.00	50.0	NG
13T	7.65	723	82. /	136.	80095. /	100221.	2	0.88	50.0	NG
14T	7.75	737	139. /	136.	18475. /	100221.	2	1.00	50.0	NG
15T	7.97	764	107. /	136.	40807. /	100221.	2	1.00	50.0	NG
16T	8.17	789	93. /	136.	53466. /	100221.	2	0.92	50.0	NG
17T	8.27	802	162. /	136.	31326. /	100221.	2	0.93	50.0	NG
18T	8.42	820	180. /	136.	34492. /	100221.	2	0.96	50.0	NG
19T	8.55	837	128. /	136.	114647. /	100221.	2	1.00	50.0	NG
20T	8.73	861	127. /	136.	48821. /	100221.	2	1.00	50.0	NG
21T	8.85	877	225. /	136.	21472. /	100221.	2	1.00	50.0	NG
22T	9.80	997	107. /	136.	40459. /	100221.	2	0.72	50.0	NG
23T	10.02	1024	142. /	136.	79344. /	100221.	2	1.00	50.0	NG
24T	10.37	1069	237. /	164.	25260. /	56361.	3	0.90	50.0	NG
25T	10.67	1107	196. /	164.	24414. /	56361.	3	1.00	50.0	NG
26T	10.73	1115	196. /	164.	24424. /	56361.	3	0.92	50.0	NG
27T	11.05	1155	162. /	164.	69410. /	56361.	3	1.00	50.0	NG
28T	11.33	1191	65. /	164.	21146. /	56361.	3	1.00	50.0	NG
29T	11.82	1254	163. /	164.	72175. /	56361.	3	0.95	50.0	NG
30T	11.90	1265	152. /	164.	106916. /	56361.	3	0.88	50.0	NG
31T	11.90	1265	165. /	164.	13698. /	56361.	3	0.82	50.0	NG
32T	12.22	1305	138. /	164.	15621. /	56361.	3	0.81	50.0	NG
33T	12.30	1315	153. /	164.	65380. /	56361.	3	1.00	50.0	NG
34T	12.47	1336	184. /	164.	5196. /	56361.	3	1.00	50.0	NG
35T	12.72	1367	109. /	164.	9325. /	56361.	3	0.71	50.0	NG
36T	12.68	1364	168. /	164.	97767. /	56361.	3	1.00	50.0	NG
37T	12.75	1373	165. /	164.	19842. /	56361.	3	0.92	50.0	NG
38T	13.38	1453	149. /	164.	72499. /	56361.	3	0.96	50.0	NG
39T	13.52	1469	204. /	164.	39797. /	56361.	3	0.85	50.0	NG
40T	13.43	1458	166. /	164.	76802. /	56361.	3	0.84	50.0	NG
41T	13.55	1473	138. /	164.	12631. /	56361.	3	1.00	50.0	NG
42T	13.62	1483	198. /	188.	7798. /	95109.	4	1.00	50.0	NG
43T	13.78	1504	169. /	188.	46014. /	95109.	4	0.84	50.0	NG
44T	14.55	1602	248. /	188.	23565. /	95109.	4	1.00	50.0	NG
45T	14.60	1607	284. /	188.	23625. /	95109.	4	1.00	50.0	NG
46T	15.07	1667	266. /	188.	11519. /	95109.	4	0.97	50.0	NG
47T	15.50	1721	178. /	188.	99624. /	95109.	4	0.96	50.0	NG
48T	15.60	1735	178. /	188.	100312. /	95109.	4	1.00	50.0	NG
49T	16.02	1788	167. /	188.	85267. /	95109.	4	0.93	50.0	NG
50T	16.98	1911	149. /	188.	109672. /	95109.	4	0.88	50.0	NG

51T	18.08	2051	202. /	188.	104835. /	95109.	4	1.00	50.0	NG
52T	18.57	2111	202. /	240.	110419. /	75025.	5	1.00	50.0	NG
53T	20.23	2325	149. /	240.	41448. /	75025.	5	1.00	50.0	NG
54T	21.27	2455	252. /	240.	27669. /	75025.	5	0.97	50.0	NG
55T	21.22	2450	228. /	240.	100999. /	75025.	5	0.88	50.0	NG
56T	21.30	2459	228. /	240.	86520. /	75025.	5	0.93	50.0	NG
57T	21.60	2497	149. /	240.	61567. /	75025.	5	1.00	50.0	NG
58T	22.95	2670	149. /	264.	97068. /	75413.	6	0.63	50.0	NG
59T	23.43	2731	252. /	264.	108222. /	75413.	6	1.00	50.0	NG
60T	23.48	2737	252. /	264.	80591. /	75413.	6	0.96	50.0	NG
61T	24.03	2807	252. /	264.	89611. /	75413.	6	0.97	50.0	NG
62T	25.95	3052	276. /	264.	90090. /	75413.	6	0.00	50.0	NG
63T	26.00	3058	278. /	264.	84987. /	75413.	6	0.00	50.0	NG
64T	26.40	3108	276. /	264.	90793. /	75413.	6	0.00	50.0	NG
65T	7.10	653	82. /	136.	39501. /	100221.	2	0.93	50.0	NG
66T	10.87	1132	172. /	164.	72937. /	56361.	3	1.00	50.0	NG
67T	19.05	2173	244. /	240.	67787. /	75025.	5	0.93	50.0	NG
68T	5.48	448	99. /	152.	46389. /	20891.	1	0.81	50.0	NG
69T	3.88	244	112. /	152.	34678. /	20891.	1	0.96	50.0	NG
70T	13.95	1524	330. /	164.	8508. /	56361.	3	0.97	50.0	NG
71T	5.62	464	132. /	152.	29996. /	20891.	1	0.92	50.0	NG
72T	6.28	550	152. /	152.	22094. /	20891.	1	0.89	50.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	6.03	517	152. /	152.	20891. /	20891.	1	0.92	50.0	NG
82T	8.50	832	136. /	136.	100221. /	100221.	2	1.00	50.0	NG
83T	12.23	1306	164. /	164.	56361. /	56361.	3	0.79	50.0	NG
84T	15.43	1714	188. /	188.	95109. /	95109.	4	0.92	50.0	NG
85T	21.23	2452	240. /	240.	75025. /	75025.	5	0.88	50.0	NG
86T	24.13	2820	264. /	264.	75413. /	75413.	6	1.00	50.0	NG

COPY

ORIGINAL IS FILED IN CSF 19001

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0508
Injection time: 08-MAY-92 07:42:17

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.917	94. / 152.	1.918	50.0	IA BV RF			1.00
2T	0.935	93. / 152.	1.272	50.0	IA BB RF			1.00
3T	0.939	128. / 152.	1.403	50.0	IA BB RF			1.00
4T	0.983	146. / 152.	1.519	50.0	IA BV RF			1.00
5T	1.008	146. / 152.	1.538	50.0	IA VV RF			1.00
6T	1.050	146. / 152.	1.375	50.0	IA VB RF			1.00
7T	1.100	108. / 152.	1.567	50.0	IA VV RF			1.00
8T	1.110	45. / 152.	0.522	50.0	IA BV RF			1.00
9T	1.150	108. / 152.	1.536	50.0	IA VV RF			1.00
10T	1.143	70. / 152.	1.085	50.0	IA BV RF			1.00
11T	1.154	117. / 152.	0.693	50.0	IA BB RF			1.00
12T	0.839	77. / 136.	0.339	50.0	IA VV RF			1.00
13T	0.900	82. / 136.	0.639	50.0	IA BV RF			1.00
14T	0.912	139. / 136.	0.147	50.0	IA VB RF			1.00
15T	0.938	107. / 136.	0.326	50.0	IA BV RF			1.00
16T	0.961	93. / 136.	0.427	50.0	IA VB RF			1.00
17T	0.973	162. / 136.	0.250	50.0	IA BB RF			1.00
18T	0.991	180. / 136.	0.275	50.0	IA BB RF			1.00
19T	1.006	128. / 136.	0.915	50.0	IA VV RF			1.00
20T	1.027	127. / 136.	0.390	50.0	IA VB RF			1.00
21T	1.041	225. / 136.	0.171	50.0	IA VB RF			1.00
22T	1.153	107. / 136.	0.323	50.0	IA BB RF			1.00
23T	1.179	142. / 136.	0.633	50.0	IA VV RF			1.00
24T	0.848	237. / 164.	0.359	50.0	IA BB RF			1.00
25T	0.872	196. / 164.	0.347	50.0	IA BV RF			1.00
26T	0.877	196. / 164.	0.347	50.0	IA VB RF			1.00
27T	0.904	162. / 164.	0.985	50.0	IA VB RF			1.00
28T	0.926	65. / 164.	0.300	50.0	IA BB RF			1.00
29T	0.966	163. / 164.	1.024	50.0	IA BV RF			1.00
30T	0.973	152. / 164.	1.518	50.0	IA BV RF			1.00
31T	0.973	165. / 164.	0.194	50.0	IA VV RF			1.00
32T	0.999	138. / 164.	0.222	50.0	IA BV RF			1.00
33T	1.006	153. / 164.	0.928	50.0	IA VB RF			1.00
34T	1.020	184. / 164.	0.074	50.0	IA BB RF			1.00
35T	1.040	109. / 164.	0.132	50.0	IA BB RF			1.00
36T	1.037	168. / 164.	1.388	50.0	IA VV RF			1.00
37T	1.043	165. / 164.	0.282	50.0	IA BB RF			1.00
38T	1.094	149. / 164.	1.029	50.0	IA BV RF			1.00
39T	1.105	204. / 164.	0.565	50.0	IA BB RF			1.00
40T	1.098	166. / 164.	1.090	50.0	IA BV RF			1.00

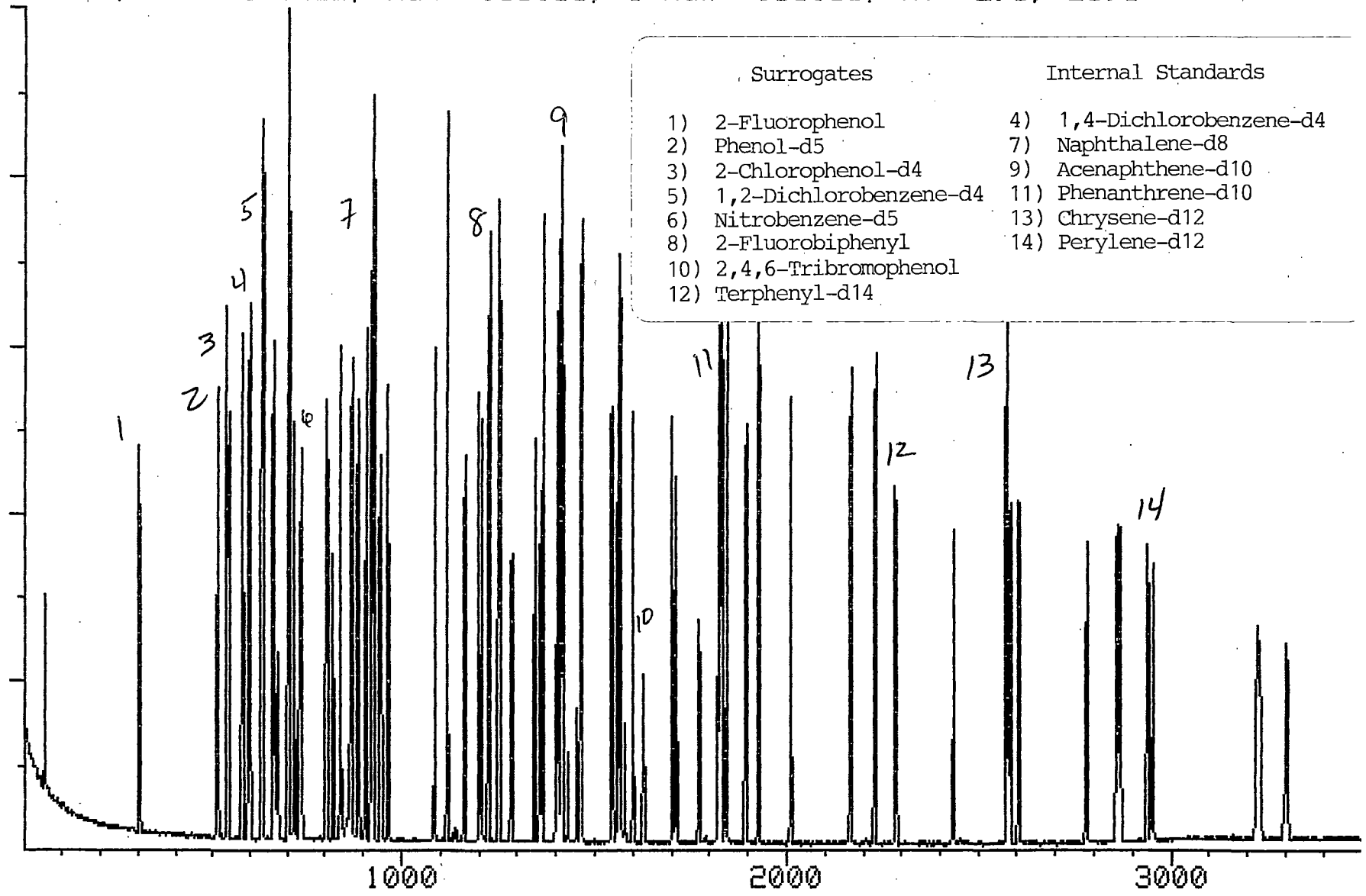
COPY

ORIGINAL IS FILED IN CSF 19001

41T	1.108	138. / 164.	0.179	50.0	IA VB RF	1.00
42T	0.883	198. / 188.	0.066	50.0	IA BB RF	1.00
43T	0.893	169. / 188.	0.387	50.0	IA VV RF	1.00
44T	0.943	248. / 188.	0.198	50.0	IA BV RF	1.00
45T	0.946	284. / 188.	0.199	50.0	IA BB RF	1.00
46T	0.977	266. / 188.	0.097	50.0	IA BB RF	1.00
47T	1.005	178. / 188.	0.838	50.0	IA BV RF	1.00
48T	1.011	178. / 188.	0.844	50.0	IA VB RF	1.00
49T	1.038	167. / 188.	0.717	50.0	IA BV RF	1.00
50T	1.100	149. / 188.	0.923	50.0	IA BB RF	1.00
51T	1.172	202. / 188.	0.882	50.0	IA BB RF	1.00
52T	0.875	202. / 240.	1.177	50.0	IA BB RF	1.00
53T	0.953	149. / 240.	0.442	50.0	IA BB RF	1.00
54T	1.002	252. / 240.	0.295	50.0	IA BB RF	1.00
55T	1.000	228. / 240.	1.077	50.0	IA BV RF	1.00
56T	1.003	228. / 240.	0.923	50.0	IA VB RF	1.00
57T	1.017	149. / 240.	0.656	50.0	IA VB RF	1.00
58T	0.951	149. / 264.	1.030	50.0	IA BB RF	1.00
59T	0.971	252. / 264.	1.148	50.0	IA VB RF	1.00
60T	0.973	252. / 264.	0.855	50.0	IA VB RF	1.00
61T	0.996	252. / 264.	0.951	50.0	IA BB RF	1.00
62T	1.075	276. / 264.	0.956	50.0	IA O RF	1.00
63T	1.077	278. / 264.	0.902	50.0	IA O RF	1.00
64T	1.094	276. / 264.	0.963	50.0	IA O RF	1.00
65T	0.835	82. / 136.	0.315	50.0	IA VV RF	1.00
66T	0.889	172. / 164.	1.035	50.0	IA BB RF	1.00
67T	0.897	244. / 240.	0.723	50.0	IA BB RF	1.00
68T	0.910	99. / 152.	1.776	50.0	IA BV RF	1.00
69T	0.645	112. / 152.	1.328	50.0	IA BB RF	1.00
70T	1.141	330. / 164.	0.121	50.0	IA BB RF	1.00
71T	0.934	132. / 152.	1.149	50.0	IA BB RF	1.00
72T	1.043	152. / 152.	0.846	50.0	IA VB RF	1.00
81T	1.002	152. / 152.	0.800	50.0	IA VB RF	1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF	1.00
83T	1.000	164. / 164.	0.800	50.0	IA VB RF	1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF	1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF	1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF	1.00

COPY
ORIGINAL IS FILED IN CSF 19001

DU0:[301,7]3SML0515, SSTD050 EXTR03, 15-MAY-92, 08:00:25
Q1 TIC, Sns: 1-3495, Max: 168083, C Max: 168083, RT: 2.3, 29.8



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

Box number 1 Scans available 1-3495

000676

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S.AREAS
EXTREL3 OP=	INITIAL AMT.=	SURR REC.'S
DUO:[301,]	EXT VOL.=	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0515
Injection time: 15-MAY-92 08:00:25
Comments:
SSTD050 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.02	595					STD	0.96	40.0	NG
2S	9.57	920					STD	0.83	40.0	NG
3S	13.40	1406					STD	0.95	40.0	NG
4S	16.68	1824					STD	0.92	40.0	NG
5S	22.60	2576					STD	0.84	40.0	NG
6S	25.57	2952					STD	0.96	40.0	NG
1T	6.38	516	94. /	152.	113384. /	51400.	1	0.85	50.0	NG
2T	6.57	538	93. /	152.	74010. /	51400.	1	1.00	50.0	NG
3T	6.60	543	128. /	152.	90830. /	51400.	1	1.00	50.0	NG
4T	6.90	580	146. /	152.	91543. /	51400.	1	1.00	50.0	NG
5T	7.05	599	146. /	152.	92129. /	51400.	1	1.00	50.0	NG
6T	7.32	634	146. /	152.	83150. /	51400.	1	0.96	50.0	NG
7T	7.53	662	108. /	152.	93716. /	51400.	1	0.96	50.0	NG
8T	7.65	676	45. /	152.	30017. /	51400.	1	0.88	50.0	NG
9T	7.87	703	108. /	152.	93937. /	51400.	1	1.00	50.0	NG
10T	7.85	702	70. /	152.	53461. /	51400.	1	1.00	50.0	NG
11T	7.98	718	117. /	152.	42382. /	51400.	1	1.00	50.0	NG
12T	8.15	739	77. /	136.	87549. /	232720.	2	1.00	50.0	NG
13T	8.65	804	82. /	136.	165872. /	232720.	2	0.77	50.0	NG
14T	8.78	821	139. /	136.	41094. /	232720.	2	1.00	50.0	NG
15T	8.95	841	107. /	136.	79733. /	232720.	2	0.96	50.0	NG
16T	9.17	868	93. /	136.	117690. /	232720.	2	0.84	50.0	NG
17T	9.30	885	162. /	136.	68056. /	232720.	2	1.00	50.0	NG
18T	9.47	907	180. /	136.	75414. /	232720.	2	1.00	50.0	NG
19T	9.62	926	128. /	136.	265532. /	232720.	2	0.80	50.0	NG
20T	9.77	945	127. /	136.	104709. /	232720.	2	0.88	50.0	NG
21T	9.92	964	225. /	136.	38784. /	232720.	2	1.00	50.0	NG
22T	10.87	1084	107. /	136.	75637. /	232720.	2	1.00	50.0	NG
23T	11.12	1117	142. /	136.	186306. /	232720.	2	0.82	50.0	NG
24T	11.47	1162	237. /	164.	45206. /	124088.	3	0.90	50.0	NG
25T	11.75	1198	196. /	164.	47564. /	124088.	3	1.00	50.0	NG
26T	11.82	1205	196. /	164.	48237. /	124088.	3	1.00	50.0	NG
27T	12.18	1251	162. /	164.	151456. /	124088.	3	0.84	50.0	NG
28T	12.43	1284	65. /	164.	35552. /	124088.	3	1.00	50.0	NG
29T	12.90	1344	163. /	164.	143186. /	124088.	3	0.90	50.0	NG
30T	13.07	1365	152. /	164.	235628. /	124088.	3	0.94	50.0	NG
31T	13.02	1357	165. /	164.	28359. /	124088.	3	1.00	50.0	NG
32T	13.33	1399	138. /	164.	26516. /	124088.	3	0.96	50.0	NG
33T	13.47	1415	153. /	164.	130482. /	124088.	3	0.84	50.0	NG
34T	13.58	1430	184. /	164.	7214. /	124088.	3	1.00	50.0	NG
35T	13.75	1452	109. /	164.	10582. /	124088.	3	0.71	50.0	NG
36T	13.87	1465	168. /	164.	200744. /	124088.	3	0.90	50.0	NG
37T	13.88	1468	165. /	164.	30791. /	124088.	3	0.96	50.0	NG
38T	14.50	1546	149. /	164.	132086. /	124088.	3	0.83	50.0	NG
39T	14.67	1568	204. /	164.	82627. /	124088.	3	0.96	50.0	NG
40T	14.62	1561	166. /	164.	155030. /	124088.	3	0.84	50.0	NG
41T	14.68	1570	138. /	164.	16028. /	124088.	3	0.91	50.0	NG
42T	14.77	1580	198. /	188.	11008. /	178052.	4	1.00	50.0	NG
43T	14.93	1602	169. /	188.	93746. /	178052.	4	0.92	50.0	NG
44T	15.75	1705	248. /	188.	45082. /	178052.	4	1.00	50.0	NG
45T	15.82	1714	284. /	188.	39932. /	178052.	4	1.00	50.0	NG
46T	16.28	1772	266. /	188.	18091. /	178052.	4	1.00	50.0	NG
47T	16.73	1831	178. /	188.	199142. /	178052.	4	0.89	50.0	NG
48T	16.85	1845	178. /	188.	184936. /	178052.	4	0.96	50.0	NG
49T	17.25	1895	167. /	188.	146128. /	178052.	4	0.87	50.0	NG
50T	18.15	2011	149. /	188.	189654. /	178052.	4	0.77	50.0	NG

51T	19.40	2168	202. / 188.	168602. /	178052.	4	0.95	50.0	NG
52T	19.88	2231	202. / 240.	175928. /	105623.	5	0.88	50.0	NG
53T	21.50	2435	149. / 240.	57236. /	105623.	5	1.00	50.0	NG
54T	22.58	2573	252. / 240.	31083. /	105623.	5	1.00	50.0	NG
55T	22.58	2574	228. / 240.	133065. /	105623.	5	0.88	50.0	NG
56T	22.65	2583	228. / 240.	124387. /	105623.	5	0.79	50.0	NG
57T	22.82	2604	149. / 240.	78147. /	105623.	5	1.00	50.0	NG
58T	24.20	2780	149. / 264.	112618. /	94848.	6	0.63	50.0	NG
59T	24.83	2860	252. / 264.	128055. /	94848.	6	1.00	50.0	NG
60T	24.90	2867	252. / 264.	112874. /	94848.	6	0.89	50.0	NG
61T	25.47	2939	252. / 264.	115832. /	94848.	6	0.90	50.0	NG
62T	27.70	3224	276. / 264.	120296. /	94848.	6	1.00	50.0	NG
63T	27.75	3230	278. / 264.	106321. /	94848.	6	0.89	50.0	NG
64T	28.32	3301	276. / 264.	115199. /	94848.	6	1.00	50.0	NG
65T	8.10	734	82. / 136.	81398. /	232720.	2	1.00	50.0	NG
66T	11.97	1224	172. / 164.	158010. /	124088.	3	0.93	50.0	NG
67T	20.32	2286	244. / 240.	103114. /	105623.	5	0.87	50.0	NG
68T	6.37	513	99. / 152.	101755. /	51400.	1	0.85	50.0	NG
69T	4.72	304	112. / 152.	77656. /	51400.	1	0.88	50.0	NG
70T	15.13	1627	330. / 164.	13258. /	124088.	3	1.00	50.0	NG
71T	6.57	539	132. / 152.	67957. /	51400.	1	0.92	50.0	NG
72T	7.30	631	152. / 152.	48427. /	51400.	1	0.96	50.0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	7.01	595	152. / 152.	51400. /	51400.	1	0.92	50.0	NG
82T	9.57	920	136. / 136.	232720. /	232720.	2	0.83	50.0	NG
83T	13.40	1406	164. / 164.	124088. /	124088.	3	0.93	50.0	NG
84T	16.68	1824	188. / 188.	178052. /	178052.	4	0.92	50.0	NG
85T	22.60	2576	240. / 240.	105623. /	105623.	5	0.84	50.0	NG
86T	25.57	2952	264. / 264.	94848. /	94848.	6	0.96	50.0	NG

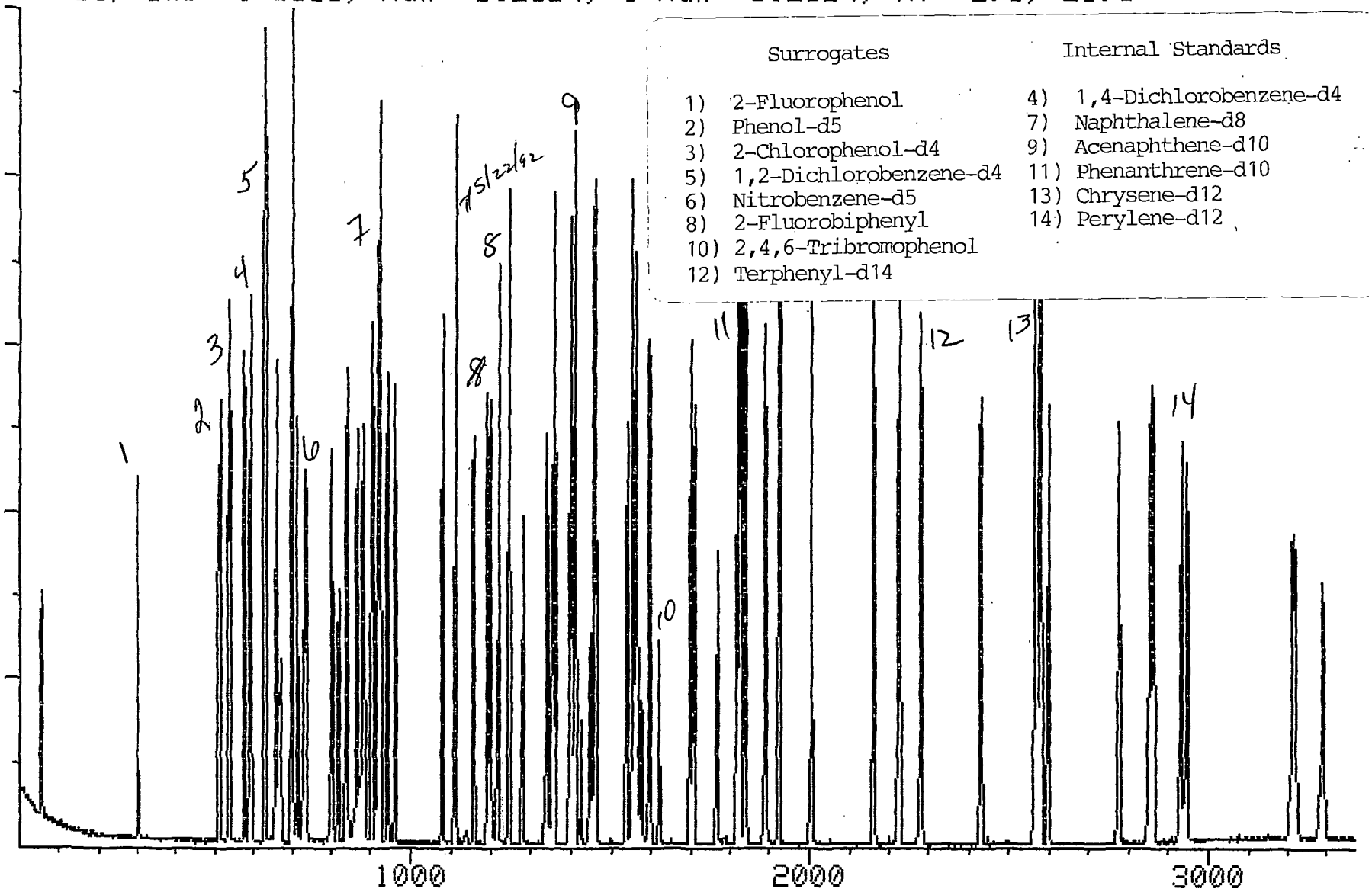
Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0515
Injection time: 15-MAY-92 08:00:25

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.909	94. / 152.	1.765	50.0	IA	BV	RF			1.00
2T	0.936	93. / 152.	1.152	50.0	IA	VV	RF			1.00
3T	0.940	128. / 152.	1.414	50.0	IA	BB	RF			1.00
4T	0.983	146. / 152.	1.425	50.0	IA	BV	RF			1.00
5T	1.004	146. / 152.	1.434	50.0	IA	VV	RF			1.00
6T	1.043	146. / 152.	1.294	50.0	IA	VB	RF			1.00
7T	1.073	108. / 152.	1.459	50.0	IA	BV	RF			1.00
8T	1.090	45. / 152.	0.467	50.0	IA	BV	RF			1.00
9T	1.121	108. / 152.	1.462	50.0	IA	VV	RF			1.00
10T	1.118	70. / 152.	0.832	50.0	IA	BV	RF			1.00
11T	1.137	117. / 152.	0.660	50.0	IA	VB	RF			1.00
12T	0.852	77. / 136.	0.301	50.0	IA	VB	RF			1.00
13T	0.904	82. / 136.	0.570	50.0	IA	BV	RF			1.00
14T	0.917	139. / 136.	0.141	50.0	IA	VV	RF			1.00
15T	0.935	107. / 136.	0.274	50.0	IA	VV	RF			1.00
16T	0.958	93. / 136.	0.405	50.0	IA	VB	RF			1.00
17T	0.972	162. / 136.	0.234	50.0	IA	BB	RF			1.00
18T	0.990	180. / 136.	0.259	50.0	IA	BB	RF			1.00
19T	1.005	128. / 136.	0.913	50.0	IA	VV	RF			1.00
20T	1.021	127. / 136.	0.360	50.0	IA	VV	RF			1.00
21T	1.037	225. / 136.	0.133	50.0	IA	VB	RF			1.00
22T	1.136	107. / 136.	0.260	50.0	IA	BB	RF			1.00
23T	1.162	142. / 136.	0.640	50.0	IA	VV	RF			1.00
24T	0.856	237. / 164.	0.291	50.0	IA	BB	RF			1.00
25T	0.877	196. / 164.	0.307	50.0	IA	BV	RF			1.00
26T	0.882	196. / 164.	0.311	50.0	IA	VB	RF			1.00
27T	0.909	162. / 164.	0.976	50.0	IA	VB	RF			1.00
28T	0.928	65. / 164.	0.229	50.0	IA	VB	RF			1.00
29T	0.963	163. / 164.	0.923	50.0	IA	BB	RF			1.00
30T	0.975	152. / 164.	1.519	50.0	IA	BV	RF			1.00
31T	0.972	165. / 164.	0.183	50.0	IA	VV	RF			1.00
32T	0.995	138. / 164.	0.171	50.0	IA	BV	RF			1.00
33T	1.005	153. / 164.	0.841	50.0	IA	VB	RF			1.00
34T	1.013	184. / 164.	0.047	50.0	IA	BB	RF			1.00
35T	1.026	109. / 164.	0.068	50.0	IA	BV	RF			1.00
36T	1.035	168. / 164.	1.294	50.0	IA	VB	RF			1.00
37T	1.036	165. / 164.	0.199	50.0	IA	BB	RF			1.00
38T	1.082	149. / 164.	0.852	50.0	IA	BV	RF			1.00
39T	1.095	204. / 164.	0.533	50.0	IA	BB	RF			1.00
40T	1.091	166. / 164.	0.999	50.0	IA	BV	RF			1.00

41T	1.096	138. / 164.	0.103	50.0	IA VV RF	1.00
42T	0.885	198. / 188.	0.049	50.0	IA BB RF	1.00
43T	0.895	169. / 188.	0.421	50.0	IA VV RF	1.00
44T	0.944	248. / 188.	0.203	50.0	IA VV RF	1.00
45T	0.948	284. / 188.	0.179	50.0	IA BB RF	1.00
46T	0.976	266. / 188.	0.081	50.0	IA BB RF	1.00
47T	1.003	178. / 188.	0.895	50.0	IA BV RF	1.00
48T	1.010	178. / 188.	0.831	50.0	IA VV RF	1.00
49T	1.034	167. / 188.	0.657	50.0	IA BV RF	1.00
50T	1.088	149. / 188.	0.852	50.0	IA BB RF	1.00
51T	1.163	202. / 188.	0.758	50.0	IA BB RF	1.00
52T	0.880	202. / 240.	1.332	50.0	IA BB RF	1.00
53T	0.951	149. / 240.	0.434	50.0	IA BB RF	1.00
54T	0.999	252. / 240.	0.235	50.0	IA BB RF	1.00
55T	0.999	228. / 240.	1.008	50.0	IA BV RF	1.00
56T	1.002	228. / 240.	0.942	50.0	IA VB RF	1.00
57T	1.010	149. / 240.	0.592	50.0	IA VB RF	1.00
58T	0.946	149. / 264.	0.950	50.0	IA BB RF	1.00
59T	0.971	252. / 264.	1.080	50.0	IA BV RF	1.00
60T	0.974	252. / 264.	0.952	50.0	IA VB RF	1.00
61T	0.996	252. / 264.	0.977	50.0	IA BB RF	1.00
62T	1.083	276. / 264.	1.015	50.0	IA VV RF	1.00
63T	1.085	278. / 264.	0.897	50.0	IA VV RF	1.00
64T	1.108	276. / 264.	0.972	50.0	IA BB RF	1.00
65T	0.846	82. / 136.	0.280	50.0	IA VB RF	1.00
66T	0.893	172. / 164.	1.019	50.0	IA BB RF	1.00
67T	0.899	244. / 240.	0.781	50.0	IA BB RF	1.00
68T	0.907	99. / 152.	1.584	50.0	IA BV RF	1.00
69T	0.672	112. / 152.	1.209	50.0	IA BB RF	1.00
70T	1.129	330. / 164.	0.086	50.0	IA BB RF	1.00
71T	0.936	132. / 152.	1.058	50.0	IA BB RF	1.00
72T	1.040	152. / 152.	0.754	50.0	IA VB RF	1.00
81T	0.999	152. / 152.	0.800	50.0	IA VB RF	1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF	1.00
83T	1.000	164. / 164.	0.800	50.0	IA VB RF	1.00
84T	1.000	188. / 188.	0.800	50.0	IA VV RF	1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF	1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF	1.00

DU0:[301,10]3SML0518A, SSTD050 EXTR03, 18-MAY-92, 13:49:55
Q1 TIC, Sns: 1-3369, Max: 302854, C Max: 302854, RT: 2.3, 28.8



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

Box number 1 Scans available 1-3369

000683

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=	I.S. AREAS
EXTREL3 OP=	INITIAL AMT. =	SURR REC. 'S
DUO:[301,]	EXT VOL. =	DILUTION=

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0518A
Injection time: 18-MAY-92 13:49:55
Comments:
SSTD050 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.95	591					STD	0.85	40.0	NG
2S	9.50	916					STD	0.83	40.0	NG
3S	13.32	1401					STD	0.75	40.0	NG
4S	16.72	1833					STD	0.77	40.0	NG
5S	22.53	2572					STD	0.72	40.0	NG
6S	25.48	2947					STD	0.74	40.0	NG
1T	6.33	514	94. /	152.	215948. /	93716.	1	0.80	50.0	NG
2T	6.50	535	93. /	152.	134648. /	93716.	1	0.80	50.0	NG
3T	6.55	540	128. /	152.	164156. /	93716.	1	0.92	50.0	NG
4T	6.83	576	146. /	152.	166108. /	93716.	1	0.88	50.0	NG
5T	6.98	595	146. /	152.	170996. /	93716.	1	0.88	50.0	NG
6T	7.25	630	146. /	152.	151388. /	93716.	1	0.88	50.0	NG
7T	7.48	659	108. /	152.	163480. /	93716.	1	0.96	50.0	NG
8T	7.53	665	45. /	152.	47658. /	93716.	1	0.88	50.0	NG
9T	7.80	700	108. /	152.	183662. /	93716.	1	0.90	50.0	NG
10T	7.80	700	70. /	152.	109907. /	93716.	1	1.00	50.0	NG
11T	7.92	714	117. /	152.	77836. /	93716.	1	1.00	50.0	NG
12T	8.08	735	77. /	136.	167996. /	448892.	2	0.85	50.0	NG
13T	8.60	801	82. /	136.	346760. /	448892.	2	0.69	50.0	NG
14T	8.72	817	139. /	136.	66448. /	448892.	2	1.00	50.0	NG
15T	8.88	837	107. /	136.	158182. /	448892.	2	0.87	50.0	NG
16T	9.10	864	93. /	136.	234220. /	448892.	2	0.84	50.0	NG
17T	9.23	881	162. /	136.	138358. /	448892.	2	0.93	50.0	NG
18T	9.40	903	180. /	136.	155082. /	448892.	2	0.92	50.0	NG
19T	9.55	922	128. /	136.	523168. /	448892.	2	0.68	50.0	NG
20T	9.70	941	127. /	136.	229576. /	448892.	2	0.72	50.0	NG
21T	9.83	959	225. /	136.	82978. /	448892.	2	1.00	50.0	NG
22T	10.80	1080	107. /	136.	157060. /	448892.	2	0.82	50.0	NG
23T	11.05	1112	142. /	136.	368400. /	448892.	2	0.82	50.0	NG
24T	11.40	1157	237. /	164.	90268. /	265304.	3	0.87	50.0	NG
25T	11.68	1193	196. /	164.	102521. /	265304.	3	1.00	50.0	NG
26T	11.73	1200	196. /	164.	103947. /	265304.	3	1.00	50.0	NG
27T	12.10	1246	162. /	164.	312660. /	265304.	3	0.88	50.0	NG
28T	12.35	1279	65. /	164.	79404. /	265304.	3	1.00	50.0	NG
29T	12.85	1341	163. /	164.	325792. /	265304.	3	0.90	50.0	NG
30T	13.00	1360	152. /	164.	488840. /	265304.	3	0.88	50.0	NG
31T	12.93	1353	165. /	164.	61730. /	265304.	3	1.00	50.0	NG
32T	13.28	1396	138. /	164.	81614. /	265304.	3	0.93	50.0	NG
33T	13.38	1410	153. /	164.	280416. /	265304.	3	0.73	50.0	NG
34T	13.52	1426	184. /	164.	20517. /	265304.	3	1.00	50.0	NG
35T	13.70	1450	109. /	164.	38236. /	265304.	3	0.76	50.0	NG
36T	13.78	1460	168. /	164.	434192. /	265304.	3	0.81	50.0	NG
37T	13.82	1464	165. /	164.	82024. /	265304.	3	1.00	50.0	NG
38T	14.43	1542	149. /	164.	308132. /	265304.	3	0.83	50.0	NG
39T	14.58	1563	204. /	164.	180380. /	265304.	3	0.85	50.0	NG
40T	14.53	1556	166. /	164.	340016. /	265304.	3	0.62	50.0	NG
41T	14.62	1567	138. /	164.	58087. /	265304.	3	0.91	50.0	NG
42T	14.70	1577	198. /	188.	28153. /	433268.	4	1.00	50.0	NG
43T	14.87	1597	169. /	188.	232160. /	433268.	4	0.84	50.0	NG
44T	15.67	1700	248. /	188.	107065. /	433268.	4	1.00	50.0	NG
45T	15.73	1709	284. /	188.	99717. /	433268.	4	1.00	50.0	NG
46T	16.20	1767	266. /	188.	52637. /	433268.	4	1.00	50.0	NG
47T	16.67	1826	178. /	188.	485720. /	433268.	4	0.89	50.0	NG
48T	16.77	1840	178. /	188.	453512. /	433268.	4	0.88	50.0	NG
49T	17.17	1890	167. /	188.	411072. /	433268.	4	0.87	50.0	NG
50T	18.08	2006	149. /	188.	477112. /	433268.	4	0.88	50.0	NG

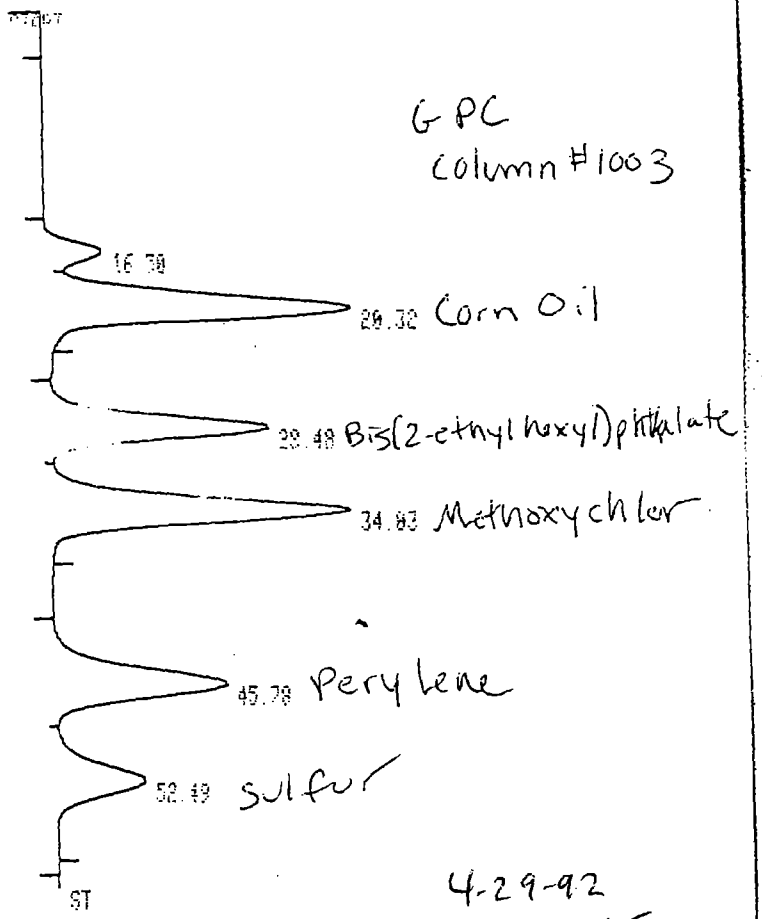
51T	19.30	2162	202. / 188.	489076. /	433268.	4	0.22	50.0	NG
52T	19.80	2225	202. / 240.	504068. /	283288.	5	0.83	50.0	NG
53T	21.42	2430	149. / 240.	172068. /	283288.	5	0.92	50.0	NG
54T	22.48	2567	252. / 240.	109742. /	283288.	5	0.90	50.0	NG
55T	22.50	2569	228. / 240.	454444. /	283288.	5	0.77	50.0	NG
56T	22.58	2579	228. / 240.	361780. /	283288.	5	0.76	50.0	NG
57T	22.73	2599	149. / 240.	210622. /	283288.	5	0.91	50.0	NG
58T	24.13	2775	149. / 264.	325840. /	298646.	6	0.41	50.0	NG
59T	24.75	2854	252. / 264.	418192. /	298646.	6	0.84	50.0	NG
60T	24.80	2861	252. / 264.	328124. /	298646.	6	0.72	50.0	NG
61T	25.37	2933	252. / 264.	359444. /	298646.	6	0.68	50.0	NG
62T	27.58	3214	276. / 264.	327830. /	298646.	6	0.11	50.0	NG
63T	27.63	3221	278. / 264.	317396. /	298646.	6	0.00	50.0	NG
64T	28.18	3290	276. / 264.	333892. /	298646.	6	0.78	50.0	NG
65T	8.03	730	82. / 136.	155882. /	448892.	2	0.87	50.0	NG
66T	11.88	1219	172. / 164.	324212. /	265304.	3	0.85	50.0	NG
67T	20.23	2281	244. / 240.	314980. /	283288.	5	0.87	50.0	NG
68T	6.32	511	99. / 152.	193424. /	93716.	1	0.74	50.0	NG
69T	4.67	302	112. / 152.	141034. /	93716.	1	0.88	50.0	NG
70T	15.05	1622	330. / 164.	32098. /	265304.	3	1.00	50.0	NG
71T	6.52	536	132. / 152.	124767. /	93716.	1	0.92	50.0	NG
72T	7.23	627	152. / 152.	93375. /	93716.	1	0.85	50.0	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	Was Not Found								
80T	Was Not Found								
81T	6.95	591	152. / 152.	93716. /	93716.	1	0.85	40.0	NG
82T	9.50	916	136. / 136.	448892. /	448892.	2	0.83	40.0	NG
83T	13.32	1401	164. / 164.	265304. /	265304.	3	0.90	40.0	NG
84T	16.60	1819	188. / 188.	433268. /	433268.	4	0.92	40.0	NG
85T	22.53	2572	240. / 240.	283288. /	283288.	5	0.72	40.0	NG
86T	25.48	2947	264. / 264.	298646. /	298646.	6	0.74	40.0	NG

Extended Quantitation Report

Library used: SYO:[301,106]CLP90
Data file name: SYO:3SML0518A
Injection time: 18-MAY-92 13:49:55

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.911	94. / 152.	1.843	50.0	IA	BV	RF			1.00
2T	0.935	93. / 152.	1.149	50.0	IA	VB	RF			1.00
3T	0.942	128. / 152.	1.401	50.0	IA	BB	RF			1.00
4T	0.983	146. / 152.	1.418	50.0	IA	BV	RF			1.00
5T	1.004	146. / 152.	1.460	50.0	IA	VV	RF			1.00
6T	1.043	146. / 152.	1.292	50.0	IA	VB	RF			1.00
7T	1.076	108. / 152.	1.396	50.0	IA	BV	RF			1.00
8T	1.083	45. / 152.	0.407	50.0	IA	BV	RF			1.00
9T	1.122	108. / 152.	1.568	50.0	IA	VV	RF			1.00
10T	1.122	70. / 152.	0.938	50.0	IA	BV	RF			1.00
11T	1.140	117. / 152.	0.664	50.0	IA	BB	RF			1.00
12T	0.851	77. / 136.	0.299	50.0	IA	VV	RF			1.00
13T	0.905	82. / 136.	0.618	50.0	IA	VV	RF			1.00
14T	0.918	139. / 136.	0.118	50.0	IA	VB	RF			1.00
15T	0.935	107. / 136.	0.282	50.0	IA	VV	RF			1.00
16T	0.958	93. / 136.	0.417	50.0	IA	VV	RF			1.00
17T	0.972	162. / 136.	0.247	50.0	IA	BB	RF			1.00
18T	0.989	180. / 136.	0.276	50.0	IA	BB	RF			1.00
19T	1.005	128. / 136.	0.932	50.0	IA	VV	RF			1.00
20T	1.021	127. / 136.	0.409	50.0	IA	VV	RF			1.00
21T	1.035	225. / 136.	0.148	50.0	IA	VB	RF			1.00
22T	1.137	107. / 136.	0.280	50.0	IA	BV	RF			1.00
23T	1.163	142. / 136.	0.657	50.0	IA	VV	RF			1.00
24T	0.856	237. / 164.	0.272	50.0	IA	BB	RF			1.00
25T	0.877	196. / 164.	0.309	50.0	IA	BV	RF			1.00
26T	0.881	196. / 164.	0.313	50.0	IA	VB	RF			1.00
27T	0.908	162. / 164.	0.943	50.0	IA	VB	RF			1.00
28T	0.927	65. / 164.	0.239	50.0	IA	BB	RF			1.00
29T	0.965	163. / 164.	0.982	50.0	IA	BB	RF			1.00
30T	0.976	152. / 164.	1.474	50.0	IA	BV	RF			1.00
31T	0.971	165. / 164.	0.186	50.0	IA	VV	RF			1.00
32T	0.997	138. / 164.	0.246	50.0	IA	BV	RF			1.00
33T	1.005	153. / 164.	0.846	50.0	IA	VV	RF			1.00
34T	1.015	184. / 164.	0.062	50.0	IA	BB	RF			1.00
35T	1.029	109. / 164.	0.115	50.0	IA	BV	RF			1.00
36T	1.035	168. / 164.	1.309	50.0	IA	VV	RF			1.00
37T	1.038	165. / 164.	0.247	50.0	IA	BB	RF			1.00
38T	1.083	149. / 164.	0.929	50.0	IA	BV	RF			1.00
39T	1.095	204. / 164.	0.544	50.0	IA	VB	RF			1.00
40T	1.091	166. / 164.	1.025	50.0	IA	BV	RF			1.00

41T	1.098	138. / 164.	0.175	50.0	IA VV RF		1.00
42T	0.879	198. / 188.	0.052	50.0	IA BB RF		1.00
43T	0.889	169. / 188.	0.429	50.0	IA VV RF		1.00
44T	0.937	248. / 188.	0.198	50.0	IA BV RF		1.00
45T	0.941	284. / 188.	0.184	50.0	IA BB RF		1.00
46T	0.969	266. / 188.	0.097	50.0	IA BB RF		1.00
47T	0.997	178. / 188.	0.897	50.0	IA BV RF		1.00
48T	1.003	178. / 188.	0.837	50.0	IA VB RF		1.00
49T	1.027	167. / 188.	0.759	50.0	IA BV RF		1.00
50T	1.081	149. / 188.	0.881	50.0	IA BB RF		1.00
51T	1.154	202. / 188.	0.903	50.0	IA VV FC		1.00
52T	0.879	202. / 240.	1.423	50.0	IA VV RF		1.00
53T	0.951	149. / 240.	0.486	50.0	IA BB RF		1.00
54T	0.998	252. / 240.	0.310	50.0	IA BV RF		1.00
55T	0.999	228. / 240.	1.283	50.0	IA BV RF		1.00
56T	1.002	228. / 240.	1.022	50.0	IA VV RF		1.00
57T	1.009	149. / 240.	0.595	50.0	IA VB RF		1.00
58T	0.947	149. / 264.	0.873	50.0	IA BB RF		1.00
59T	0.971	252. / 264.	1.120	50.0	IA BV RF		1.00
60T	0.973	252. / 264.	0.879	50.0	IA VV RF		1.00
61T	0.996	252. / 264.	0.963	50.0	IA VB RF		1.00
62T	1.082	276. / 264.	0.878	50.0	IA VV FC		1.00
63T	1.084	278. / 264.	0.850	50.0	IA O FC		1.00
64T	1.106	276. / 264.	0.894	50.0	IA BB RF		1.00
65T	0.845	82. / 136.	0.278	50.0	IA VV RF		1.00
66T	0.892	172. / 164.	0.978	50.0	IA BB RF		1.00
67T	0.898	244. / 240.	0.890	50.0	IA BB RF		1.00
68T	0.909	99. / 152.	1.651	50.0	IA BV RF		1.00
69T	0.672	112. / 152.	1.204	50.0	IA BV RF		1.00
70T	1.130	330. / 164.	0.097	50.0	IA BB RF		1.00
71T	0.938	132. / 152.	1.065	50.0	IA BB RF		1.00
72T	1.040	152. / 152.	0.797	50.0	IA VB RF		1.00
81T	1.000	152. / 152.	1.000	40.0	IA VB RF		1.00
82T	1.000	136. / 136.	1.000	40.0	IA VB RF		1.00
83T	1.000	164. / 164.	1.000	40.0	IA VB RF		1.00
84T	0.993	188. / 188.	1.000	40.0	IA BV RF		1.00
85T	1.000	240. / 240.	1.000	40.0	IA VB RF		1.00
86T	1.000	264. / 264.	1.000	40.0	IA BB RF		1.00

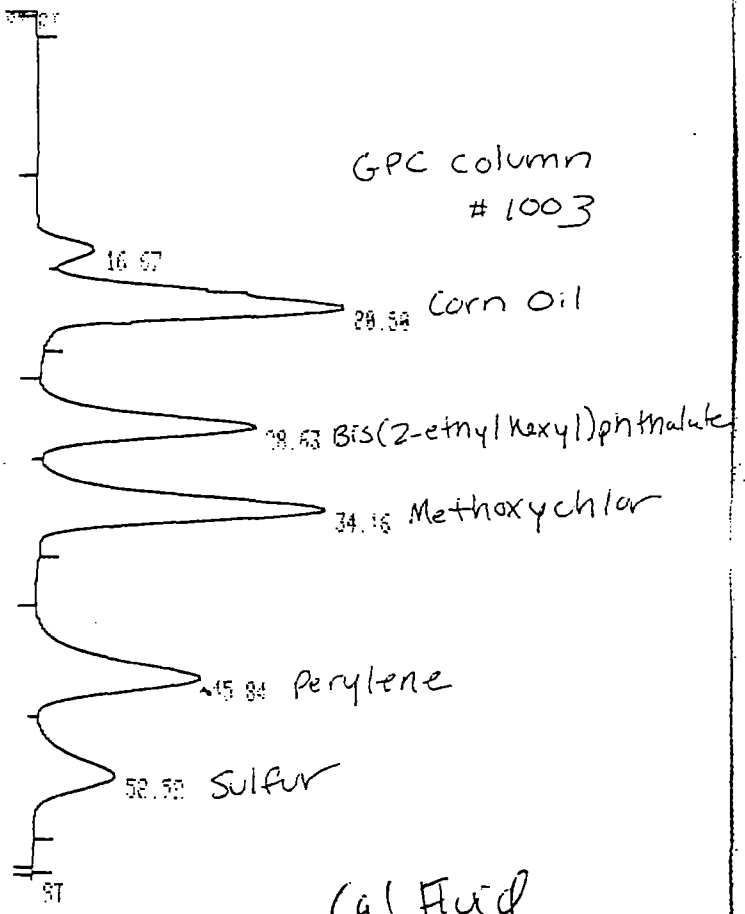


RUN # 165

AREA%

RT	AREA	TYPE	AR/HT	AREA%
16.50	1277800	PV	1.561	3.720
20.32	8900700	VB	2.028	26.749
23.48	5630800	BV	1.756	16.962
34.83	8382600	VB	1.925	25.199
45.78	5882700	BV	2.313	17.679
52.49	3239700	VB	2.497	9.736

TOTAL AREA= 3.3274E+07
MUL FACTOR= 1.0000E+00



Cal. Fluid
5-6-92 NJF

RUN # 74

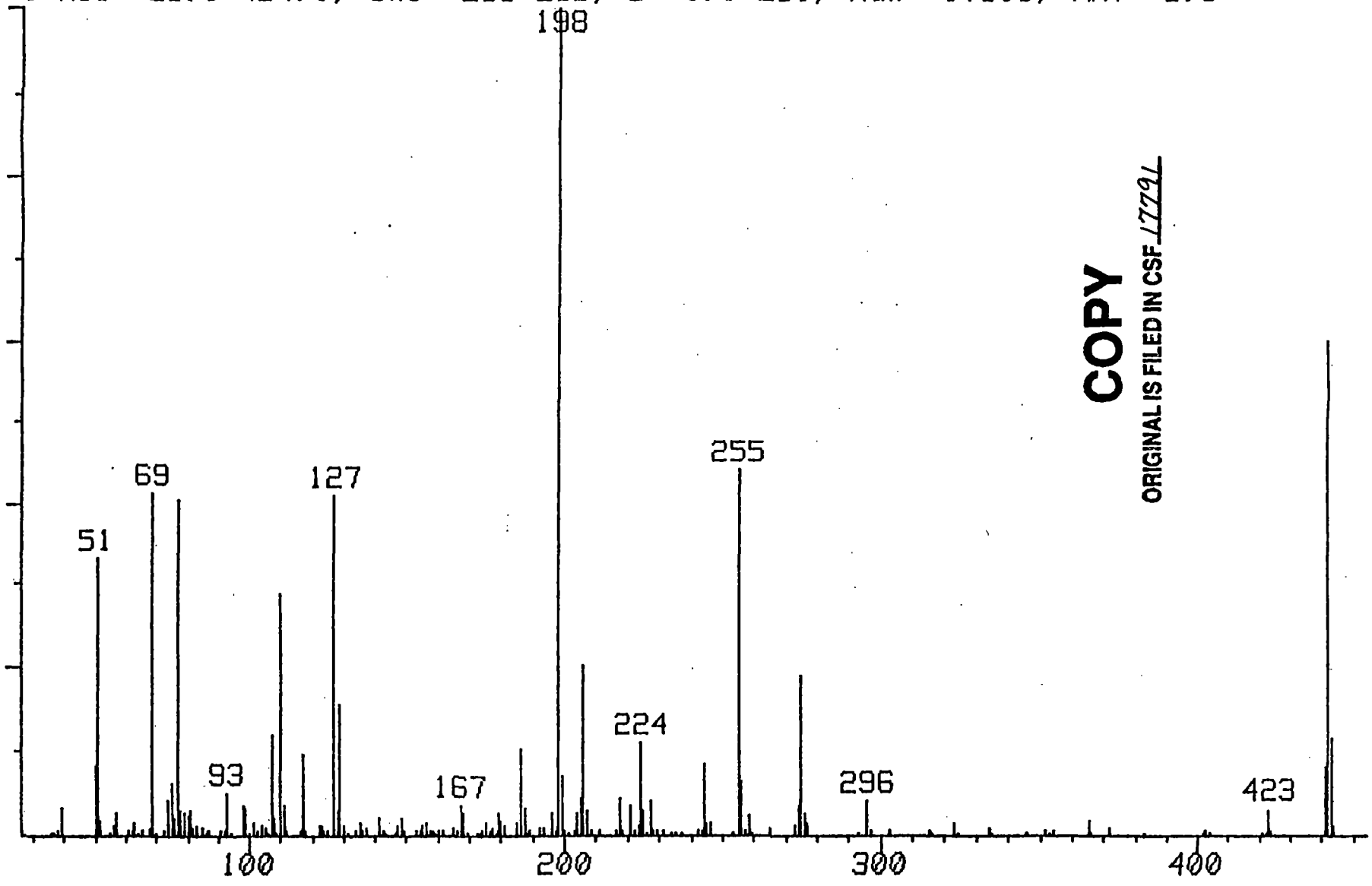
AREA%

RT	AREA	TYPE	AR/HT	AREA%
16.67	1178200	PV	1.475	3.521
20.50	8917600	VB	2.057	27.104
28.63	5525500	BV	1.796	16.794
34.16	8266700	VB	2.007	25.126
45.84	5822600	BV	2.467	17.697
52.52	3190400	[illegible]	2.672	9.697

TOTAL AREA= 3.2901E+07
MUL FACTOR= 1.0000E+00

SEMIVOLATILE RAW QC DATA

DU0:[301,20]DF0224E1, , 24-FEB-92, 15:21:48 EXTRO3
Q1 Mss: 26.0-454.0, Sns: 233-235, B: 1.0 231, Max: 17909, ART: 5.8



COPY
ORIGINAL IS FILED IN CSF 17791

000692

Box number 1 Scans available 1-553

DUO: [301,20]DF0224E1

COPY

ORIGINAL IS FILED IN CSF 17791

24-FEB-92 15:21:48 EXTR03

Scans: 233 - 235

Background: 1.00 231

Base Peak: 198.0

Average Time: 5.84 min

Intensity: 17909.33

Mass	Intensity	%Base	Mass	Intensity	%Base	Mass	Intensity	%Base
36.0	32.67	0.2	104.0	203.67	1.1	161.0	109.67	0.6
37.0	63.33	0.4	105.0	138.67	0.8	162.0	29.67	0.2
38.0	87.00	0.5	106.0	41.00	0.2	165.0	132.00	0.7
39.0	559.67	3.1	107.0	2133.33	11.9	166.0	101.33	0.6
40.0	31.67	0.2	108.0	340.00	1.9	167.0	651.67	3.6
42.0	22.33	0.1	109.0	45.67	0.3	168.0	428.33	2.4
50.0	1447.33	8.1	110.0	5178.67	28.9	169.0	58.33	0.3
51.0	5930.00	33.1	111.0	633.33	3.5	170.0	26.33	0.1
52.0	312.00	1.7	112.0	74.33	0.4	171.0	28.67	0.2
53.0	9.00	0.1	116.0	104.67	0.6	172.0	41.33	0.2
55.0	48.33	0.3	117.0	1723.33	9.6	173.0	50.00	0.3
56.0	194.33	1.1	118.0	107.67	0.6	174.0	128.33	0.7
57.0	462.33	2.6	122.0	170.00	0.9	175.0	239.00	1.3
58.0	28.33	0.2	123.0	226.33	1.3	176.0	101.33	0.6
61.0	68.33	0.4	124.0	109.33	0.6	177.0	137.00	0.8
62.0	84.33	0.5	125.0	88.33	0.5	178.0	43.00	0.2
63.0	232.00	1.3	126.0	19.33	0.1	179.0	486.67	2.7
64.0	33.33	0.2	127.0	7354.67	41.1	180.0	294.00	1.6
65.0	99.00	0.6	128.0	543.00	3.0	181.0	166.67	0.9
68.0	137.33	0.8	129.0	2832.00	15.8	184.0	20.67	0.1
69.0	7418.67	41.4	130.0	216.00	1.2	185.0	235.67	1.3
70.0	47.67	0.3	131.0	50.00	0.3	186.0	1840.00	10.3
73.0	69.33	0.4	132.0	16.67	0.1	187.0	558.00	3.1
74.0	708.00	4.0	134.0	73.00	0.4	188.0	57.33	0.3
75.0	1106.00	6.2	135.0	242.67	1.4	189.0	106.67	0.6
76.0	335.33	1.9	136.0	93.33	0.5	192.0	145.33	0.8
77.0	7232.00	40.4	137.0	146.33	0.8	193.0	161.67	0.9
78.0	511.00	2.9	139.0	11.33	0.1	194.0	27.67	0.2
79.0	477.00	2.7	140.0	15.67	0.1	196.0	463.00	2.6
80.0	391.67	2.2	141.0	339.67	1.9	197.0	87.33	0.5
81.0	506.67	2.8	142.0	128.00	0.7	198.0	17909.33	100.0
82.0	158.33	0.9	143.0	60.33	0.3	199.0	1216.33	6.8
83.0	178.33	1.0	144.0	19.67	0.1	200.0	87.67	0.5
85.0	137.33	0.8	145.0	15.67	0.1	201.0	44.33	0.2
86.0	50.33	0.3	146.0	46.00	0.3	202.0	26.00	0.1
87.0	78.00	0.4	147.0	199.67	1.1	203.0	105.00	0.6
88.0	23.33	0.1	148.0	360.33	2.0	204.0	464.00	2.6
91.0	128.67	0.7	149.0	71.33	0.4	205.0	804.33	4.5
92.0	115.33	0.6	150.0	21.00	0.1	206.0	3648.00	20.4
93.0	897.67	5.0	151.0	17.00	0.1	207.0	512.00	2.9
94.0	51.67	0.3	153.0	87.33	0.5	208.0	115.67	0.6
96.0	25.67	0.1	154.0	67.00	0.4	209.0	27.67	0.2
98.0	606.33	3.4	155.0	169.00	0.9	210.0	22.33	0.1
99.0	577.00	3.2	156.0	285.00	1.6	211.0	103.00	0.6
100.0	54.33	0.3	157.0	72.00	0.4	215.0	21.00	0.1
101.0	278.67	1.6	158.0	66.33	0.4	216.0	71.67	0.4
102.0	9.00	0.1	159.0	48.33	0.3	217.0	780.00	4.4
103.0	138.67	0.7	160.0	83.33	0.5	218.0	115.67	0.6

DUO:[301,20]DF0224E1

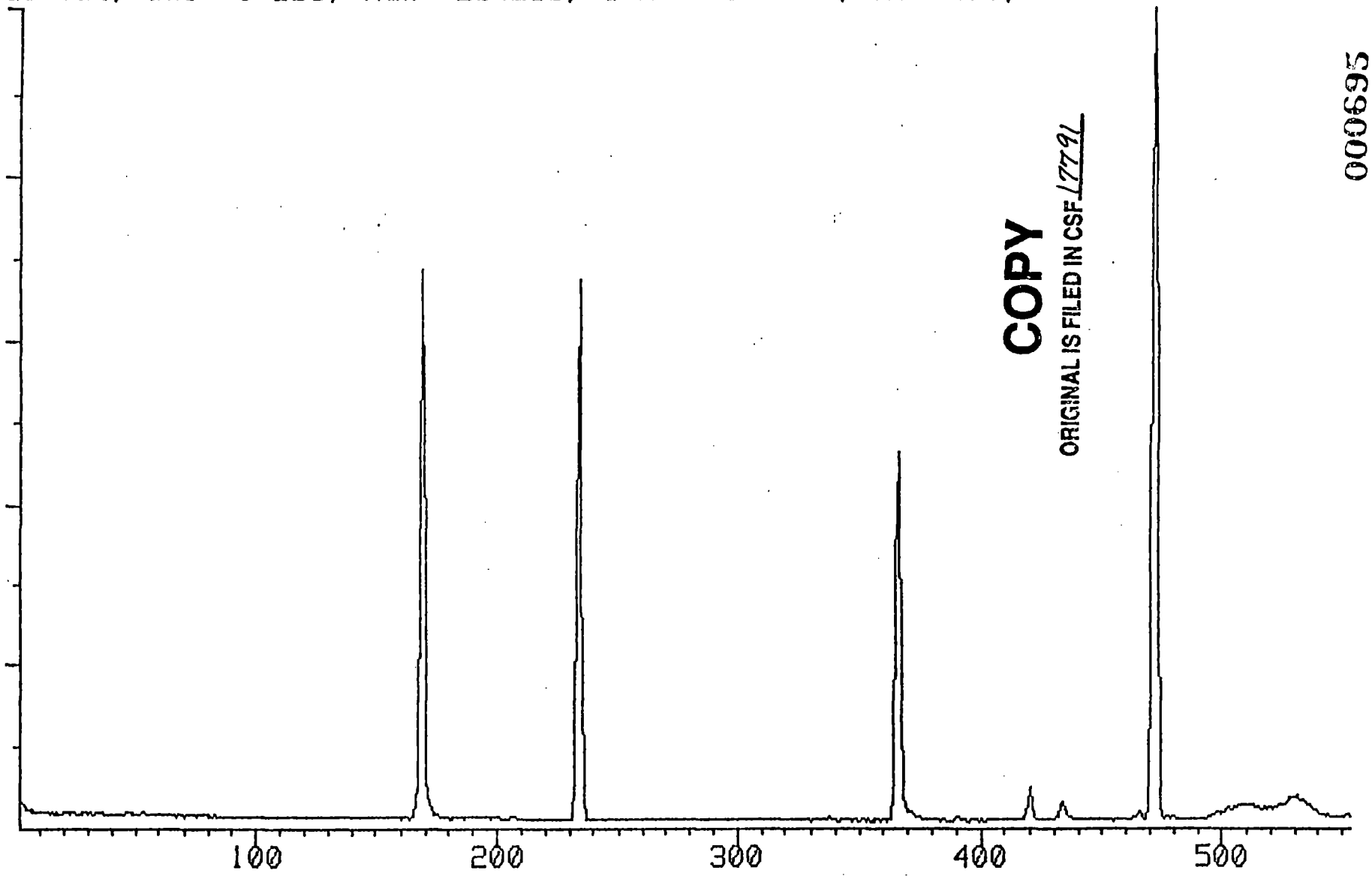
24-FEB-92 15:21:48 EXTRO3
Scans: 233 - 235
Background: 1.00 231
Base Peak: 198.0

Average Time: 5.84 min
Intensity: 17909.33

Mass	Intensity	%Base	Mass	Intensity	%Base
221.0	587.67	3.3	316.0	57.33	0.3
222.0	86.33	0.5	321.0	10.33	0.1
223.0	193.33	1.1	323.0	268.00	1.5
224.0	1957.33	10.9	324.0	52.67	0.3
225.0	550.67	3.1	327.0	17.00	0.1
226.0	45.33	0.3	333.0	20.67	0.1
227.0	749.67	4.2	334.0	163.00	0.9
228.0	108.33	0.6	335.0	39.33	0.2
229.0	115.00	0.6	341.0	15.67	0.1
230.0	31.00	0.2	346.0	51.00	0.3
231.0	91.67	0.5	352.0	102.00	0.6
234.0	41.33	0.2	353.0	38.00	0.2
235.0	39.00	0.2	354.0	93.00	0.5
236.0	27.33	0.2	365.0	310.67	1.7
237.0	34.00	0.2	366.0	39.00	0.2
239.0	29.67	0.2	372.0	137.67	0.8
240.0	16.67	0.1	373.0	19.33	0.1
242.0	117.67	0.7	383.0	40.67	0.2
243.0	118.33	0.7	390.0	11.67	0.1
244.0	1502.33	8.4	391.0	10.33	0.1
245.0	231.33	1.3	402.0	58.00	0.3
246.0	278.67	1.6	403.0	71.33	0.4
247.0	16.67	0.1	404.0	42.67	0.2
249.0	29.00	0.2	421.0	48.00	0.3
253.0	34.67	0.2	422.0	33.00	0.2
254.0	13.00	0.1	423.0	537.67	3.0
255.0	7930.67	44.3	424.0	103.00	0.6
256.0	1120.67	6.3	441.0	1443.33	8.1
257.0	82.33	0.5	442.0	10798.00	60.3
258.0	422.67	2.4	443.0	2105.67	11.8
259.0	61.00	0.3	444.0	210.67	1.2
260.0	11.33	0.1			
265.0	145.67	0.8			
266.0	24.33	0.1			
273.0	198.33	1.1			
274.0	642.67	3.6			
275.0	3445.33	19.2			
276.0	459.33	2.6			
277.0	278.33	1.6			
278.0	27.33	0.2			
284.0	24.67	0.1			
285.0	15.33	0.1			
293.0	52.33	0.3			
296.0	705.67	3.9			
297.0	110.33	0.6			
303.0	91.33	0.5			
304.0	32.33	0.2			
315.0	70.67	0.4			

COPY
ORIGINAL IS FILED IN CSF 17791

DV0:[301,20]DF0224E1, , 24-FEB-92, 15:21:48 EXTR03
Q1 TIC, Sns: 1-553, Max: 294239, C Max: 294239, RT: 4.0, 8.4

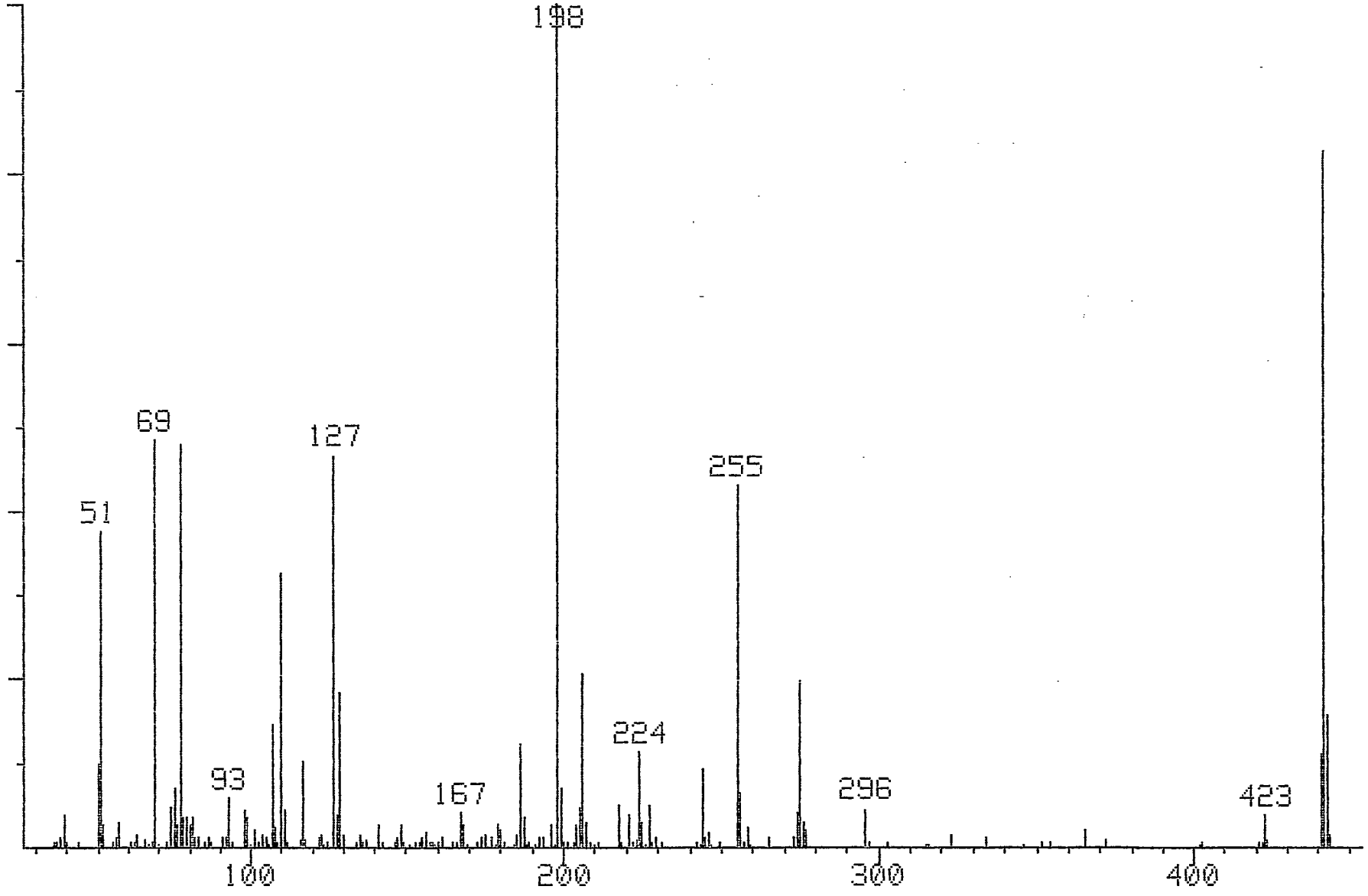


COPY
ORIGINAL IS FILED IN CSF 1779L

000695

Box number 1 Scans available 1-553

DU0:[301,313DF0507B, DFTPP EXTR03, 07-MAY-92, 10:10:22
Q1 Mss: 26.0-454.0, Sns: 151-153, B: 1.0 147, Max: 11221, ART: 6.2



Box number 2 Scans available 1-470

000696

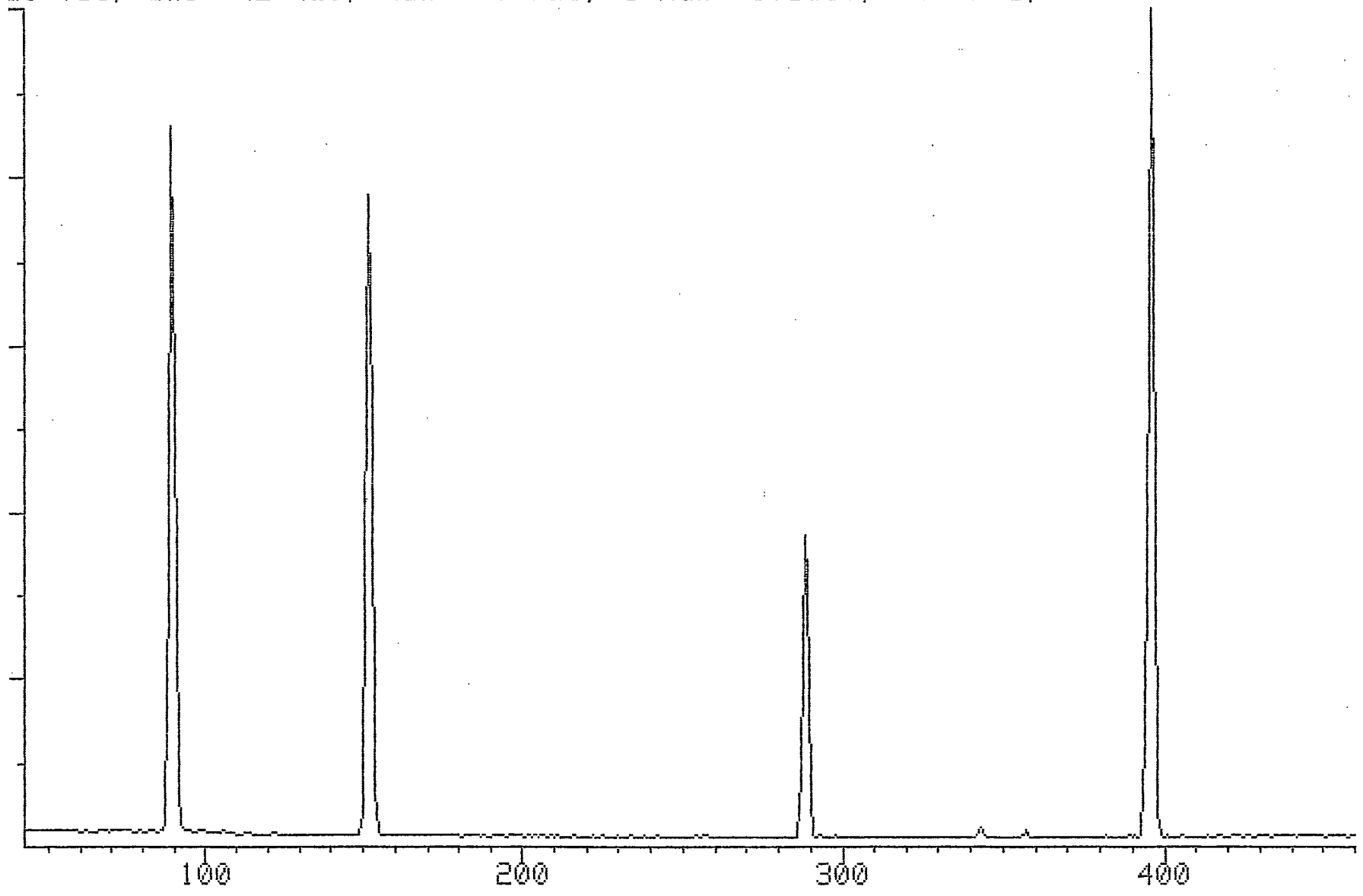
DUO:[301,313DF0507B
DFTPP EXTRO3
07-MAY-92 10:10:22
Scans: 151 - 153 Average Time: 6.19 min
Background: 1.00 147
Base Peak: 198.0 Intensity: 11221.33

Mass	Intensity	%Base	Mass	Intensity	%Base	Mass	Intensity	%Base
36.0	53.67	0.5	100.0	33.67	0.3	166.0	55.00	0.5
37.0	50.67	0.5	101.0	212.00	1.9	167.0	461.00	4.1
38.0	113.33	1.0	103.0	57.33	0.5	168.0	282.33	2.5
39.0	410.33	3.7	104.0	146.67	1.3	169.0	26.67	0.2
40.0	44.00	0.4	105.0	124.00	1.1	170.0	7.67	0.1
41.0	8.67	0.1	106.0	27.33	0.2	171.0	18.00	0.2
44.0	47.00	0.4	107.0	1634.00	14.6	172.0	51.67	0.5
47.0	11.00	0.1	108.0	248.00	2.2	174.0	104.00	0.9
48.0	1.67	0.0	109.0	50.67	0.5	175.0	156.67	1.4
50.0	1106.00	9.9	110.0	3648.00	32.5	176.0	19.33	0.2
51.0	4211.33	37.5	111.0	498.33	4.4	177.0	113.33	1.0
52.0	268.00	2.4	112.0	72.00	0.6	178.0	32.33	0.3
53.0	11.33	0.1	113.0	14.33	0.1	179.0	300.67	2.7
55.0	58.33	0.5	116.0	95.67	0.9	180.0	231.67	2.1
56.0	139.67	1.2	117.0	1165.00	10.4	181.0	77.33	0.7
57.0	325.00	2.9	118.0	91.00	0.8	184.0	22.00	0.2
58.0	16.67	0.1	122.0	105.00	0.9	185.0	157.33	1.4
59.0	7.33	0.1	123.0	166.33	1.5	186.0	1366.33	12.2
61.0	56.00	0.5	124.0	39.67	0.4	187.0	393.33	3.5
62.0	81.67	0.7	125.0	62.67	0.6	188.0	37.67	0.3
63.0	176.33	1.6	127.0	5248.00	46.8	189.0	70.67	0.6
64.0	14.00	0.1	128.0	410.33	3.7	191.0	40.33	0.4
65.0	98.67	0.9	129.0	2054.33	18.3	192.0	102.67	0.9
67.0	21.33	0.2	130.0	165.33	1.5	193.0	134.00	1.2
68.0	51.00	0.5	132.0	11.33	0.1	194.0	8.67	0.1
69.0	5456.00	48.6	134.0	48.33	0.4	196.0	281.00	2.5
70.0	26.00	0.2	135.0	154.00	1.4	197.0	32.33	0.3
73.0	53.33	0.5	136.0	59.33	0.5	198.0	11221.33	100.0
74.0	515.67	4.6	137.0	93.00	0.8	199.0	790.67	7.0
75.0	793.33	7.1	138.0	9.00	0.1	200.0	60.67	0.5
76.0	267.33	2.4	141.0	271.67	2.4	201.0	43.00	0.4
77.0	5386.67	48.0	142.0	71.33	0.6	203.0	76.00	0.7
78.0	377.33	3.4	146.0	44.00	0.4	204.0	296.33	2.6
79.0	383.33	3.4	147.0	134.67	1.2	205.0	512.00	4.6
80.0	266.67	2.4	148.0	290.33	2.6	206.0	2320.00	20.7
81.0	373.33	3.3	149.0	63.67	0.6	207.0	321.67	2.9
82.0	105.67	0.9	151.0	28.00	0.2	208.0	73.67	0.7
83.0	115.00	1.0	152.0	10.33	0.1	209.0	16.67	0.1
85.0	77.67	0.7	153.0	69.67	0.6	210.0	22.00	0.2
86.0	129.00	1.1	154.0	79.67	0.7	211.0	63.00	0.6
87.0	58.33	0.5	155.0	131.67	1.2	215.0	15.67	0.1
91.0	106.33	0.9	156.0	203.33	1.8	216.0	18.33	0.2
92.0	117.00	1.0	157.0	51.00	0.5	217.0	565.00	5.0
93.0	648.00	5.8	158.0	42.00	0.4	218.0	66.33	0.6
94.0	46.00	0.4	159.0	26.33	0.2	220.0	14.00	0.1
97.0	10.00	0.1	160.0	69.00	0.6	221.0	421.33	3.8
98.0	501.67	4.5	161.0	125.33	1.1	222.0	52.00	0.5
99.0	402.33	3.6	165.0	77.33	0.7	223.0	90.67	0.8

DUO:[301,313DF0507B
DFTPP EXTRO3
07-MAY-92 10:10:22
Scans: 151 - 153 Average Time: 6.19 min
Background: 1.00 147
Base Peak: 198.0 Intensity: 11221.33

Mass	Intensity	%Base	Mass	Intensity	%Base
224.0	1270.00	11.3	403.0	54.00	0.5
225.0	333.33	3.0	404.0	11.33	0.1
226.0	25.67	0.2	421.0	54.00	0.5
227.0	531.67	4.7	422.0	51.00	0.5
228.0	80.00	0.7	423.0	409.00	3.6
229.0	107.67	1.0	424.0	83.00	0.7
231.0	62.33	0.6	441.0	1241.00	11.1
234.0	11.67	0.1	442.0	9274.67	82.7
242.0	42.33	0.4	443.0	1755.33	15.6
243.0	38.33	0.3	444.0	180.00	1.6
244.0	1031.00	9.2			
245.0	124.00	1.1			
246.0	199.67	1.8			
247.0	35.00	0.3			
249.0	58.67	0.5			
255.0	4837.33	43.1			
256.0	717.33	6.4			
257.0	61.33	0.5			
258.0	253.33	2.3			
259.0	35.00	0.3			
265.0	108.67	1.0			
273.0	126.33	1.1			
274.0	434.33	3.9			
275.0	2208.00	19.7			
276.0	306.67	2.7			
277.0	208.00	1.9			
278.0	14.00	0.1			
285.0	18.33	0.2			
296.0	496.67	4.4			
297.0	72.00	0.6			
303.0	46.00	0.4			
315.0	27.33	0.2			
316.0	20.67	0.2			
321.0	14.00	0.1			
323.0	166.67	1.5			
324.0	18.33	0.2			
327.0	11.67	0.1			
334.0	119.00	1.1			
335.0	17.00	0.2			
346.0	26.67	0.2			
352.0	62.33	0.6			
354.0	72.67	0.6			
365.0	222.33	2.0			
366.0	12.67	0.1			
371.0	7.67	0.1			
372.0	93.33	0.8			
383.0	18.33	0.2			
402.0	27.33	0.2			

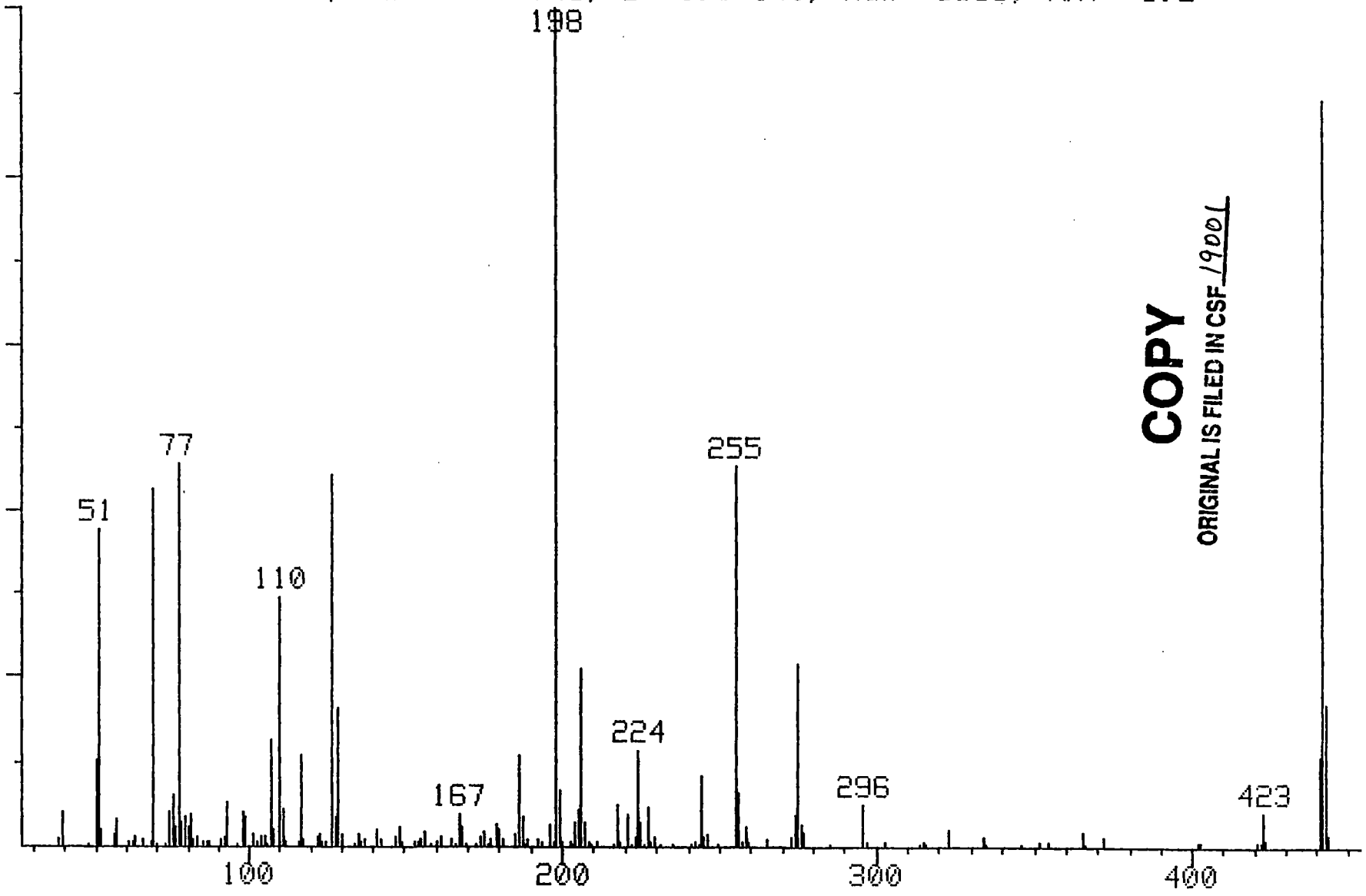
DU0:[301,313DF0507B, DFTPP EXTR03, 07-MAY-92, 10:10:22
Q1 TIC, Sns: 42-460, Max: 173330, C Max: 173330, RT: 5.3, 8.6



Box number 1 Scans available 1-763 Specifying box 1

000699

DU0:[301,4]3DF0508, DFTPP EXTR03, 08-MAY-92, 07:27:16
Q1 Mss: 26.0-454.0, Sns: 146-148, B: 1.0 141, Max: 8698, ART: 6.2



COPY
ORIGINAL IS FILED IN CSF 19001

000700

Box number 2 Scans available 1-574

DUO: [301,413DF0508
DFTPP EXTR03
08-MAY-92 07:27:16
Scans: 146 - 148
Background: 1.00
Base Peak: 198.0

COPY

141
ORIGINAL IS FILED IN CSF /9001/

Average Time: 6.16 min
Intensity: 8698.67

Mass	Intensity	%Base	Mass	Intensity	%Base	Mass	Intensity	%Base
36.0	11.00	0.1	109.0	14.00	0.2	177.0	69.33	0.8
38.0	68.33	0.8	110.0	2560.00	29.4	178.0	14.33	0.2
39.0	360.00	4.1	111.0	365.00	4.2	179.0	222.33	2.6
47.0	4.33	0.0	112.0	43.33	0.5	180.0	181.00	2.1
48.0	30.67	0.4	116.0	43.00	0.5	181.0	74.00	0.9
50.0	880.33	10.1	117.0	920.67	10.6	185.0	111.67	1.3
51.0	3258.33	37.5	118.0	77.00	0.9	186.0	926.00	10.6
52.0	186.33	2.1	120.0	10.33	0.1	187.0	287.00	3.3
55.0	15.67	0.2	122.0	81.67	0.9	188.0	26.67	0.3
56.0	113.33	1.3	123.0	113.33	1.3	189.0	70.33	0.8
57.0	270.67	3.1	124.0	41.33	0.5	191.0	15.67	0.2
58.0	7.33	0.1	125.0	40.33	0.5	192.0	71.00	0.8
61.0	43.00	0.5	126.0	9.00	0.1	193.0	47.33	0.5
62.0	44.00	0.5	127.0	3840.00	44.1	194.0	14.33	0.2
63.0	105.33	1.2	128.0	288.67	3.3	196.0	215.33	2.5
65.0	75.00	0.9	129.0	1418.33	16.3	197.0	35.00	0.4
68.0	60.33	0.7	130.0	115.67	1.3	198.0	8698.67	100.0
69.0	3701.33	42.6	132.0	9.00	0.1	199.0	580.00	6.7
70.0	27.00	0.3	134.0	23.33	0.3	200.0	49.33	0.6
73.0	18.33	0.2	135.0	125.67	1.4	201.0	9.00	0.1
74.0	355.67	4.1	136.0	42.00	0.5	202.0	36.00	0.4
75.0	526.33	6.1	137.0	68.33	0.8	203.0	31.67	0.4
76.0	198.33	2.3	140.0	10.33	0.1	204.0	250.33	2.9
77.0	3962.67	45.6	141.0	184.33	2.1	205.0	381.00	4.4
78.0	258.33	3.0	142.0	64.33	0.7	206.0	1831.33	21.1
79.0	296.67	3.4	146.0	14.33	0.2	207.0	245.33	2.8
80.0	199.67	2.3	147.0	93.33	1.1	208.0	42.67	0.5
81.0	330.67	3.8	148.0	195.67	2.2	209.0	19.67	0.2
82.0	67.67	0.8	149.0	56.33	0.6	211.0	49.67	0.6
83.0	94.33	1.1	152.0	15.33	0.2	212.0	11.33	0.1
85.0	56.33	0.6	153.0	49.67	0.6	215.0	15.33	0.2
86.0	56.67	0.7	154.0	39.00	0.4	216.0	23.33	0.3
87.0	48.00	0.6	155.0	70.00	0.8	217.0	437.33	5.0
91.0	69.67	0.8	156.0	145.00	1.7	218.0	45.33	0.5
92.0	82.67	1.0	157.0	14.33	0.2	221.0	317.67	3.7
93.0	444.00	5.1	158.0	17.00	0.2	222.0	23.67	0.3
94.0	7.67	0.1	160.0	33.00	0.4	223.0	80.33	0.9
96.0	20.33	0.2	161.0	86.67	1.0	224.0	985.33	11.3
98.0	334.67	3.8	165.0	70.67	0.8	225.0	242.33	2.8
99.0	286.33	3.3	166.0	31.67	0.4	226.0	16.67	0.2
100.0	9.00	0.1	167.0	328.33	3.8	227.0	402.67	4.6
101.0	136.00	1.6	168.0	190.33	2.2	228.0	56.67	0.7
103.0	52.33	0.6	169.0	31.00	0.4	229.0	89.33	1.0
104.0	99.33	1.1	172.0	18.33	0.2	231.0	31.00	0.4
105.0	90.67	1.0	173.0	15.33	0.2	234.0	11.67	0.1
106.0	16.67	0.2	174.0	90.00	1.0	235.0	17.00	0.2
107.0	1081.67	12.4	175.0	153.33	1.8	237.0	14.00	0.2
108.0	173.33	2.0	176.0	25.67	0.3	241.0	21.67	0.2

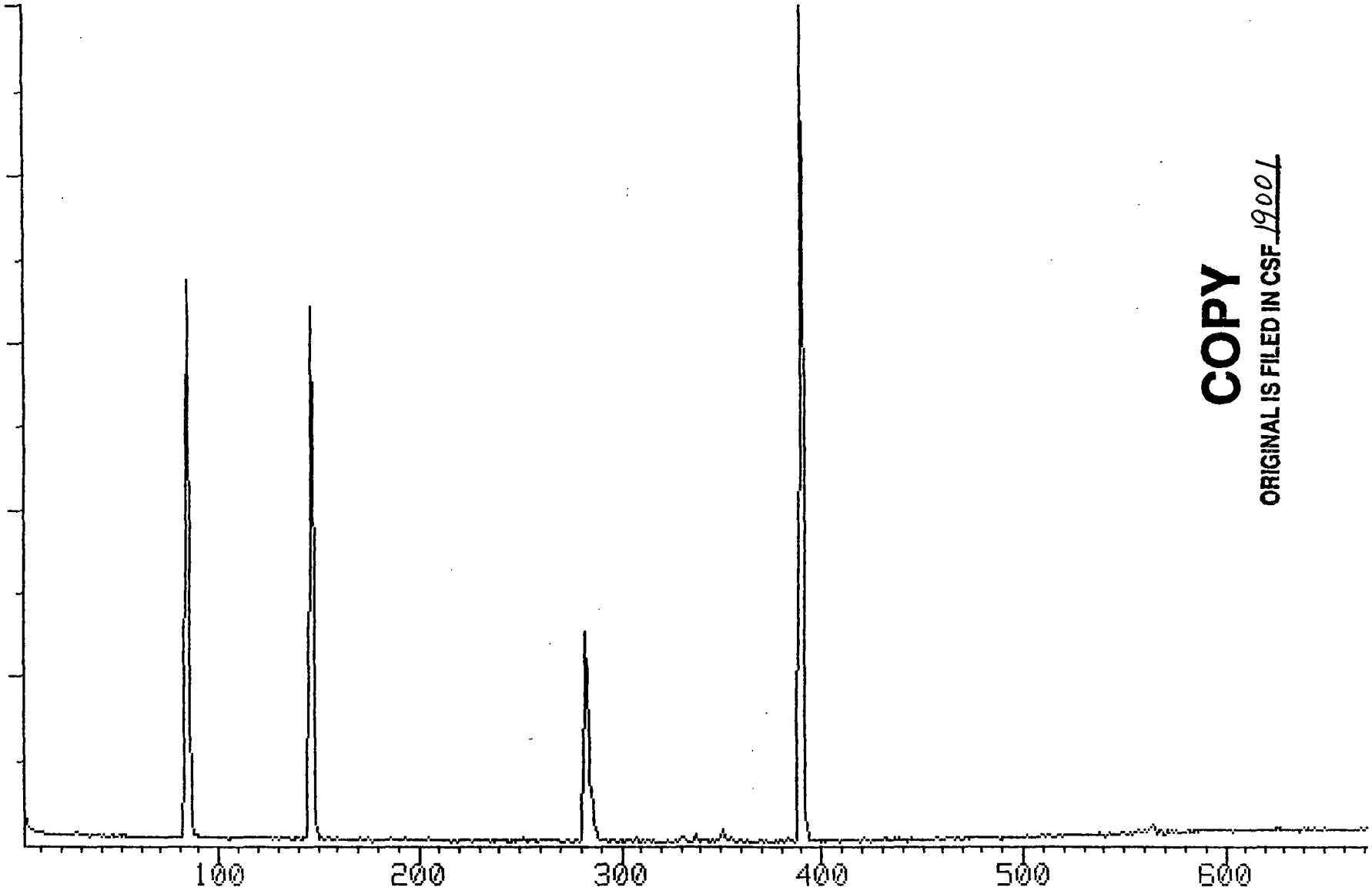
DUO:[301,413DF0508
DFTPP EXTR03
08-MAY-92 07:27:16
Scans: 146 - 148
Background: 1.00 141
Base Peak: 198.0

Average Time: 6.16 min
Intensity: 8698.67

Mass	Intensity	%Base	Mass	Intensity	%Base
242.0	33.67	0.4	443.0	1463.33	16.8
243.0	20.67	0.2	444.0	139.00	1.6
244.0	732.67	8.4			
245.0	96.33	1.1			
246.0	130.33	1.5			
247.0	15.67	0.2			
249.0	19.67	0.2			
254.0	8.67	0.1			
255.0	3946.67	45.4			
256.0	562.33	6.5			
257.0	51.00	0.6			
258.0	203.67	2.3			
259.0	38.67	0.4			
265.0	68.00	0.8			
273.0	106.33	1.2			
274.0	330.67	3.8			
275.0	1875.67	21.6			
276.0	218.33	2.5			
277.0	149.33	1.7			
285.0	29.33	0.3			
293.0	14.33	0.2			
296.0	421.67	4.8			
297.0	50.00	0.6			
303.0	48.00	0.6			
314.0	20.67	0.2			
315.0	43.33	0.5			
316.0	26.67	0.3			
323.0	175.67	2.0			
328.0	12.67	0.1			
334.0	94.00	1.1			
335.0	24.67	0.3			
346.0	30.67	0.4			
352.0	38.00	0.4			
353.0	13.00	0.1			
354.0	61.67	0.7			
365.0	156.67	1.8			
366.0	16.67	0.2			
371.0	11.33	0.1			
372.0	86.33	1.0			
373.0	10.00	0.1			
402.0	37.67	0.4			
403.0	53.67	0.6			
421.0	48.33	0.6			
422.0	49.67	0.6			
423.0	360.00	4.1			
424.0	73.67	0.8			
441.0	940.67	10.8			
442.0	7770.67	89.3			

COPY
ORIGINAL IS FILED IN CSF 19001

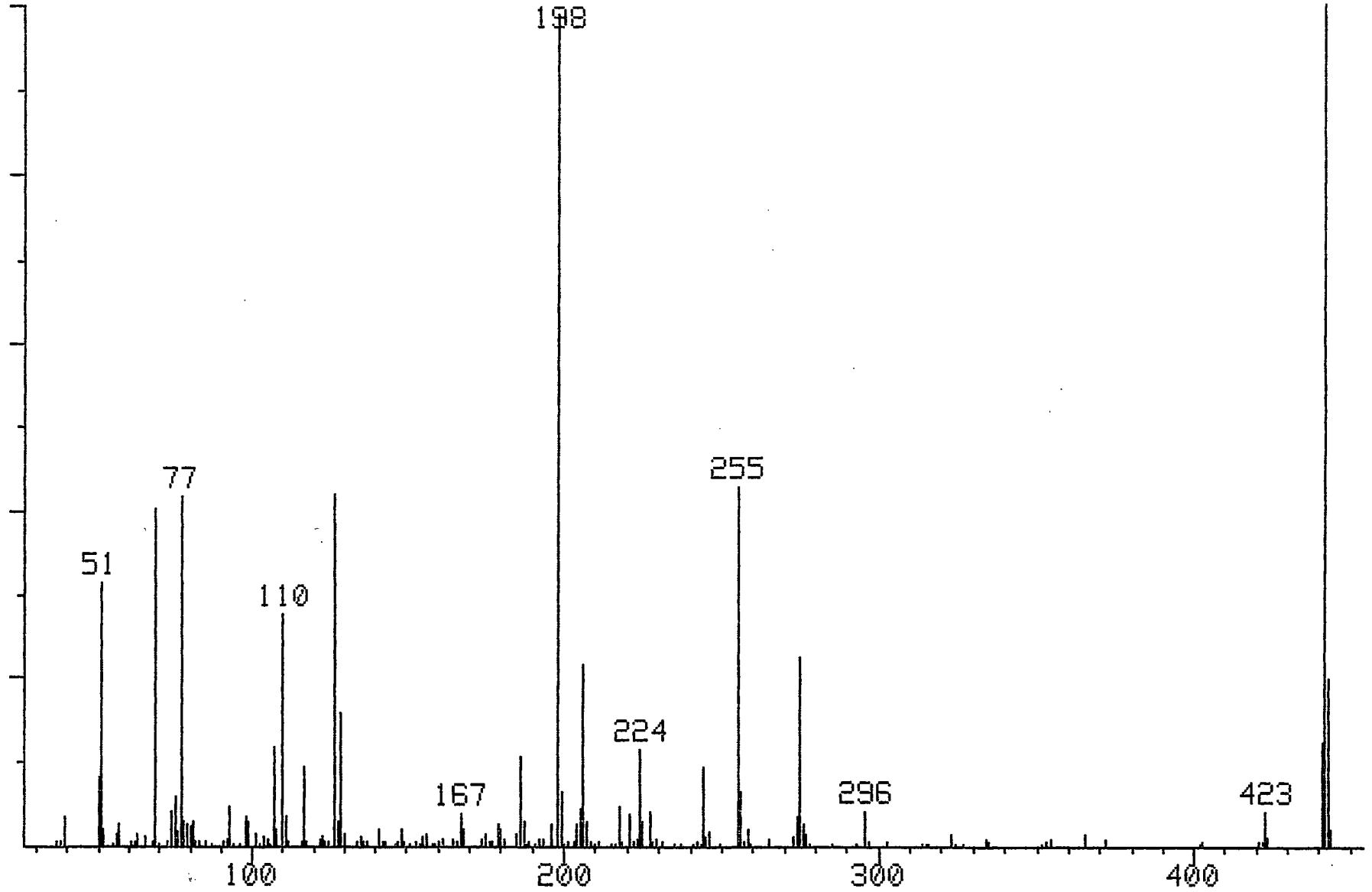
DU0:[301,413DF0508, DFTPP EXTR03, 08-MAY-92, 07:27:16
Q1 TIC, Sns: 1-671, Max: 164155, C Max: 164155, RT: 5.0, 10.3



COPY
ORIGINAL IS FILED IN CSF 1900

Box number 1 Scans available 1-671

DU0:[301,6]3DF0514, DFTPP EXTR03, 14-MAY-92, 12:48:06
Q1 Mss: 26.0-454.0, Sns: 239-241, B: 1.0 235, Max: 11216, ART: 6.9



Box number 1 Scans available 1-359

000704

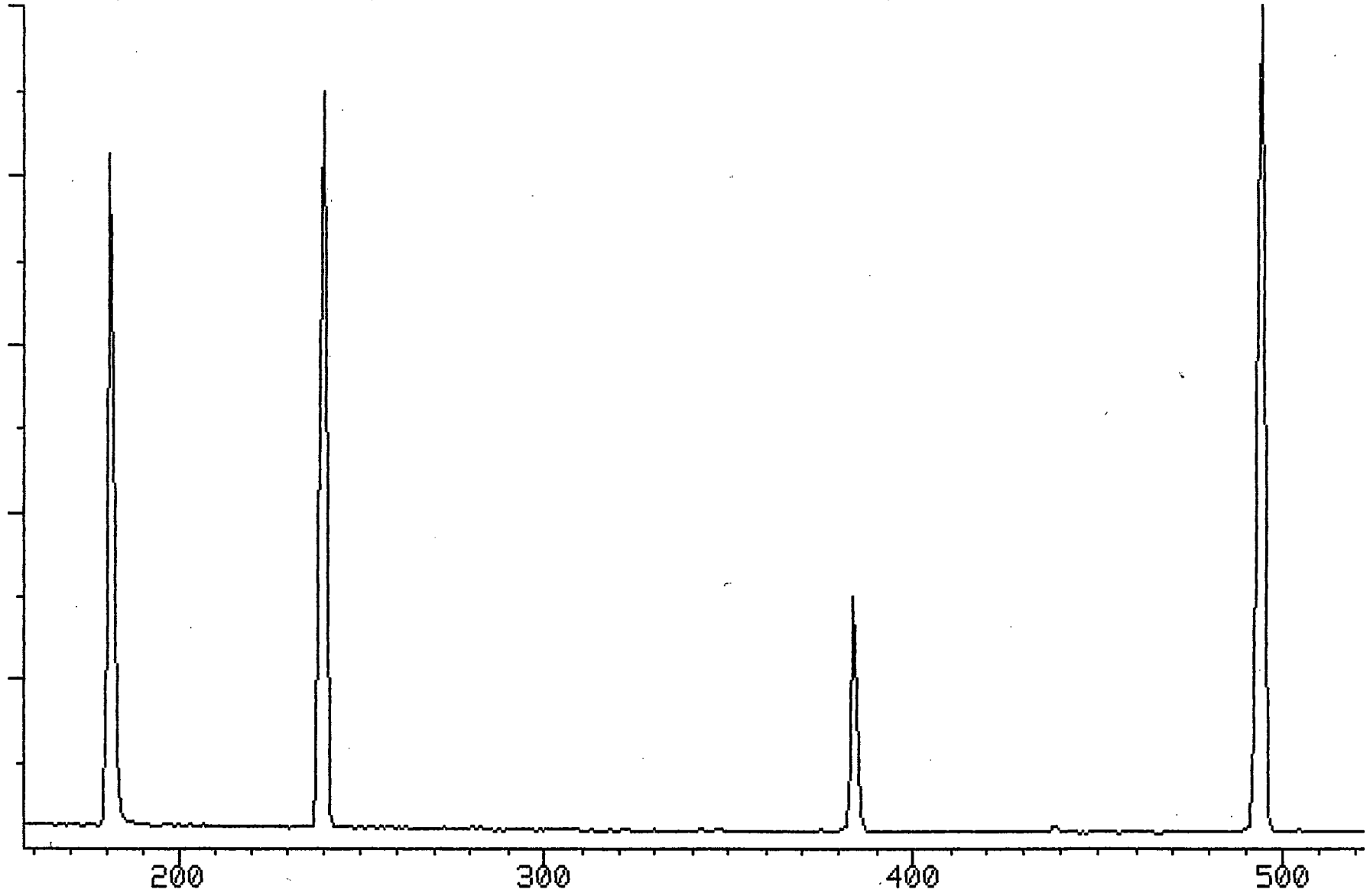
DUO:[301,613DF0514
DFTPP EXTR03
14-MAY-92 12:48:06
Scans: 239 - 241 Average Time: 6.89 min
Background: 1.00 235
Base Peak: 442.0 Intensity: 11216.00

Mass	Intensity	%Base	Mass	Intensity	%Base	Mass	Intensity	%Base
37.0	44.67	0.4	104.0	120.33	1.1	168.0	233.33	2.1
38.0	47.33	0.4	105.0	97.00	0.9	169.0	18.33	0.2
39.0	369.67	3.3	106.0	23.33	0.2	174.0	88.00	0.8
42.0	10.33	0.1	107.0	1310.00	11.7	175.0	166.67	1.5
43.0	15.33	0.1	108.0	219.00	2.0	176.0	48.67	0.4
50.0	907.00	8.1	109.0	16.67	0.1	177.0	56.00	0.5
51.0	3533.00	31.5	110.0	3088.00	27.5	179.0	292.67	2.6
52.0	206.33	1.8	111.0	401.67	3.6	180.0	208.33	1.9
53.0	6.00	0.1	112.0	61.00	0.5	181.0	96.00	0.9
55.0	32.00	0.3	116.0	60.00	0.5	182.0	14.33	0.1
56.0	149.33	1.3	117.0	1057.67	9.4	185.0	158.67	1.4
57.0	301.00	2.7	118.0	69.33	0.6	186.0	1175.00	10.5
58.0	17.67	0.2	122.0	85.00	0.8	187.0	334.33	3.0
61.0	61.67	0.5	123.0	140.00	1.2	188.0	20.67	0.2
62.0	52.00	0.5	124.0	65.67	0.6	189.0	46.67	0.4
63.0	166.00	1.5	125.0	55.67	0.5	191.0	29.67	0.3
64.0	14.00	0.1	127.0	4709.33	42.0	192.0	91.67	0.8
65.0	106.33	0.9	128.0	331.00	3.0	193.0	84.33	0.8
68.0	43.00	0.4	129.0	1765.33	15.7	194.0	15.67	0.1
69.0	4496.00	40.1	130.0	172.33	1.5	196.0	275.67	2.5
70.0	34.67	0.3	134.0	62.33	0.6	197.0	14.33	0.1
72.0	6.00	0.1	135.0	143.00	1.3	198.0	11109.33	99.0
73.0	46.33	0.4	136.0	52.33	0.5	199.0	735.00	6.6
74.0	445.00	4.0	137.0	60.00	0.5	200.0	39.67	0.4
75.0	668.67	6.0	140.0	11.67	0.1	201.0	51.00	0.5
76.0	203.67	1.8	141.0	208.33	1.9	203.0	47.33	0.4
77.0	4672.00	41.7	142.0	80.00	0.7	204.0	299.33	2.7
78.0	337.33	3.0	143.0	65.33	0.6	205.0	500.33	4.5
79.0	294.67	2.6	144.0	7.33	0.1	206.0	2410.67	21.5
80.0	246.33	2.2	146.0	26.00	0.2	207.0	326.33	2.9
81.0	327.67	2.9	147.0	54.00	0.5	208.0	71.00	0.6
82.0	69.67	0.6	148.0	231.67	2.1	210.0	33.67	0.3
83.0	81.00	0.7	149.0	60.33	0.5	211.0	76.33	0.7
85.0	50.00	0.4	151.0	32.33	0.3	215.0	25.33	0.2
86.0	13.00	0.1	152.0	13.67	0.1	216.0	23.33	0.2
87.0	40.00	0.4	153.0	55.00	0.5	217.0	513.33	4.6
88.0	6.67	0.1	154.0	23.67	0.2	218.0	75.67	0.7
91.0	65.67	0.6	155.0	113.33	1.0	221.0	417.33	3.7
92.0	100.00	0.9	156.0	181.00	1.6	222.0	81.67	0.7
93.0	516.00	4.6	157.0	18.00	0.2	223.0	99.33	0.9
94.0	21.67	0.2	158.0	23.33	0.2	224.0	1254.00	11.2
95.0	7.67	0.1	159.0	27.00	0.2	225.0	339.67	3.0
96.0	27.00	0.2	160.0	65.00	0.6	226.0	17.00	0.2
98.0	371.33	3.3	161.0	94.33	0.8	227.0	454.33	4.1
99.0	310.67	2.8	162.0	16.67	0.1	228.0	62.33	0.6
100.0	16.00	0.1	165.0	91.67	0.8	229.0	97.33	0.9
101.0	168.00	1.5	166.0	64.00	0.6	231.0	44.00	0.4
103.0	35.33	0.3	167.0	408.67	3.6	234.0	19.33	0.2

DUO:[301,6]3DF0514
DFTPP EXTR03
14-MAY-92 12:48:06
Scans: 239 - 241 Average Time: 6.89 min
Background: 1.00 235
Base Peak: 442.0 Intensity: 11216.00

Mass	Intensity	%Base	Mass	Intensity	%Base
235.0	28.67	0.3	383.0	14.33	0.1
236.0	18.33	0.2	392.0	7.67	0.1
237.0	33.67	0.3	402.0	24.67	0.2
241.0	27.67	0.2	403.0	68.33	0.6
242.0	51.00	0.5	404.0	13.00	0.1
243.0	36.67	0.3	421.0	63.00	0.6
244.0	1021.67	9.1	422.0	77.33	0.7
245.0	122.33	1.1	423.0	451.67	4.0
246.0	189.00	1.7	424.0	108.33	1.0
247.0	15.67	0.1	441.0	1353.00	12.1
249.0	23.33	0.2	442.0	11216.00	100.0
254.0	10.33	0.1	443.0	2216.67	19.8
255.0	4816.00	42.9	444.0	211.00	1.9
256.0	725.67	6.5			
257.0	54.00	0.5			
258.0	215.67	1.9			
259.0	40.67	0.4			
265.0	91.33	0.8			
273.0	125.33	1.1			
274.0	394.67	3.5			
275.0	2495.33	22.2			
276.0	306.00	2.7			
277.0	165.00	1.5			
278.0	28.33	0.3			
285.0	20.67	0.2			
293.0	33.67	0.3			
296.0	450.33	4.0			
297.0	68.67	0.6			
303.0	57.33	0.5			
314.0	23.33	0.2			
315.0	38.67	0.3			
316.0	36.67	0.3			
321.0	7.33	0.1			
322.0	6.33	0.1			
323.0	182.67	1.6			
324.0	22.00	0.2			
327.0	33.33	0.3			
334.0	101.67	0.9			
335.0	41.67	0.4			
341.0	9.00	0.1			
346.0	16.67	0.1			
352.0	26.33	0.2			
353.0	52.33	0.5			
354.0	84.00	0.7			
365.0	166.00	1.5			
371.0	18.67	0.2			
372.0	101.33	0.9			
373.0	10.00	0.1			

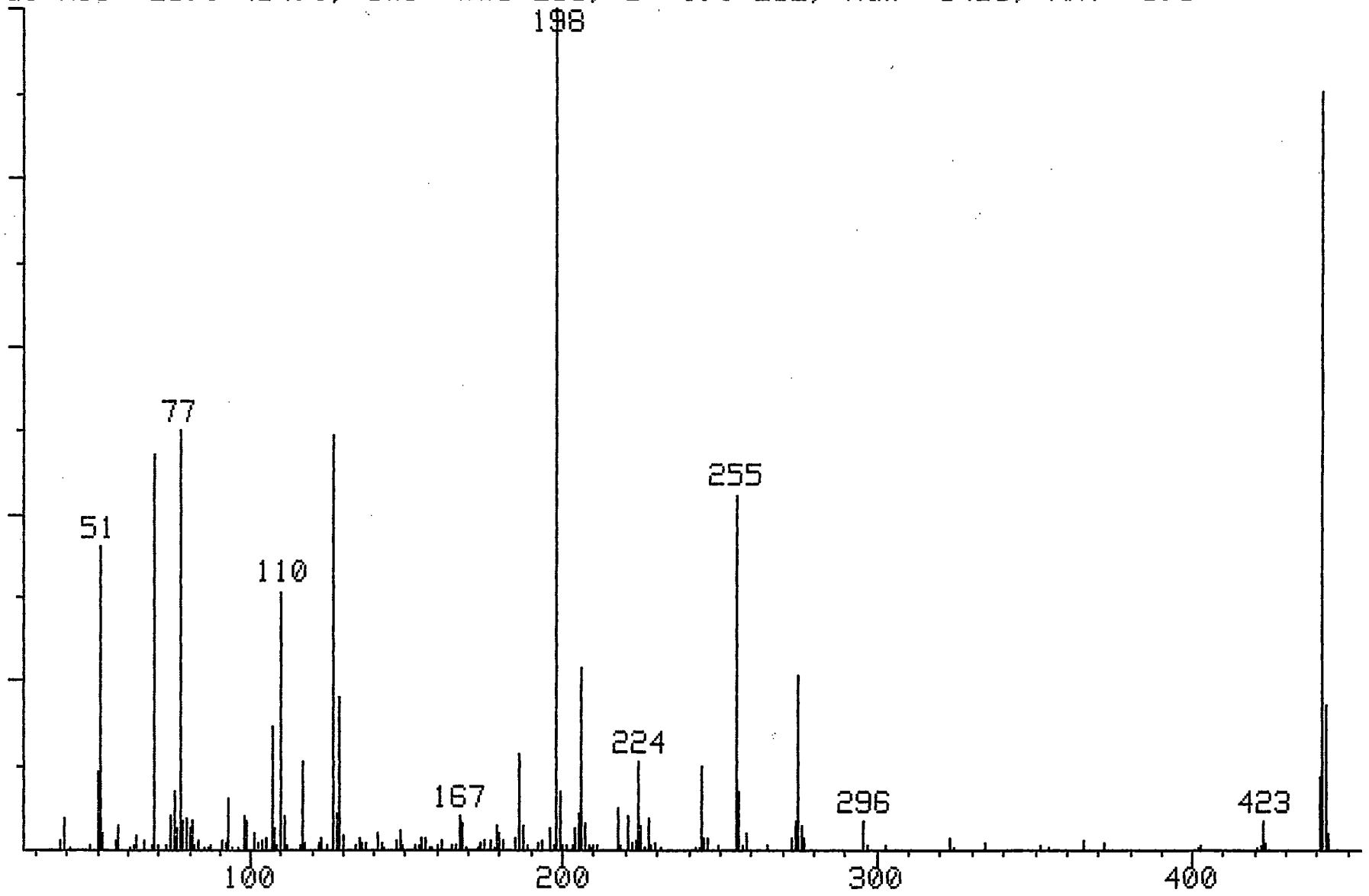
DU0:[301,613DF0514, DFTPP EXTR03, 14-MAY-92, 12:48:06
Q1 TIC, Sns: 157-522, Max: 150138, C Max: 150138, RT: 6.2, 9.1



Box number 1 Scans available 1-630 Specifying box 1

000707

DU0:[301,7]3DF0515A, DFTPP EXTR03, 15-MAY-92, 07:44:11
Q1 Mss: 26.0-454.0, Sns: 236-238, B: 1.0 232, Max: 8458, ART: 6.9



000708

Box number 2 Scans available 1-680

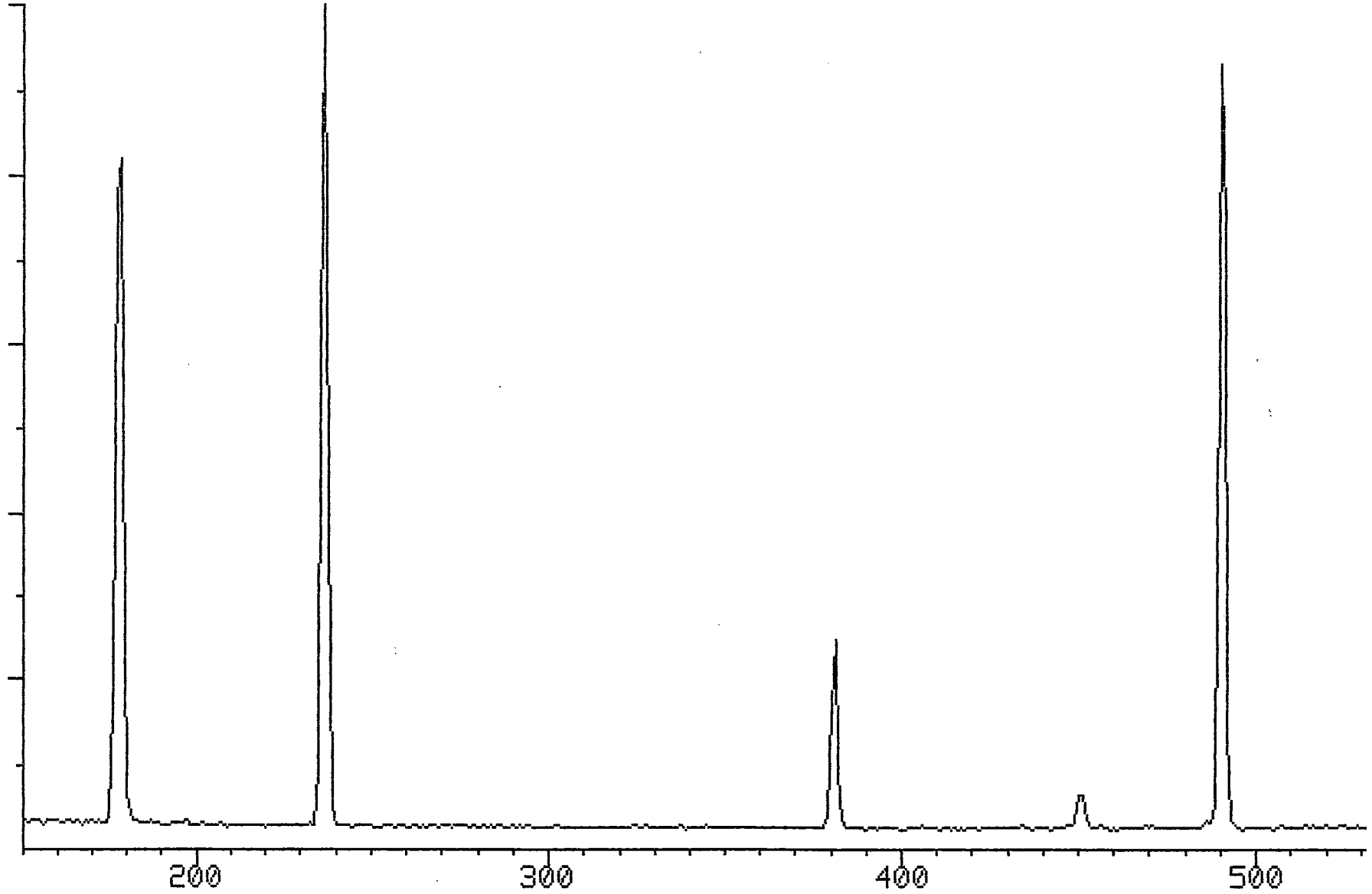
DUO:[301,713DF0515A
DFTPP EXTR03
15-MAY-92 07:44:11
Scans: 236 - 238 Average Time: 6.86 min
Background: 1.00 232
Base Peak: 198.0 Intensity: 8458.67

Mass	Intensity	%Base	Mass	Intensity	%Base	Mass	Intensity	%Base
37.0	3.67	0.0	107.0	1235.00	14.6	177.0	78.67	0.9
38.0	98.67	1.2	108.0	205.00	2.4	178.0	19.67	0.2
39.0	320.67	3.8	109.0	50.67	0.6	179.0	233.00	2.8
41.0	15.67	0.2	110.0	2602.67	30.8	180.0	172.00	2.0
42.0	15.33	0.2	111.0	325.33	3.8	181.0	96.00	1.1
47.0	12.67	0.1	112.0	35.00	0.4	182.0	8.67	0.1
48.0	37.00	0.4	116.0	57.33	0.7	184.0	14.00	0.2
50.0	774.67	9.2	117.0	883.00	10.4	185.0	125.00	1.5
51.0	3051.67	36.1	118.0	65.67	0.8	186.0	955.00	11.3
52.0	183.00	2.2	120.0	14.00	0.2	187.0	239.00	2.8
56.0	88.67	1.0	122.0	63.00	0.7	188.0	8.67	0.1
57.0	259.33	3.1	123.0	110.67	1.3	189.0	59.67	0.7
58.0	10.00	0.1	125.0	60.00	0.7	191.0	13.00	0.2
61.0	26.33	0.3	126.0	7.33	0.1	192.0	65.67	0.8
62.0	33.67	0.4	127.0	4176.00	49.4	193.0	87.67	1.0
63.0	153.33	1.8	128.0	366.33	4.3	194.0	8.67	0.1
65.0	77.33	0.9	129.0	1512.00	17.9	196.0	222.67	2.6
68.0	47.00	0.6	130.0	145.00	1.7	197.0	48.67	0.6
69.0	3984.00	47.1	131.0	15.33	0.2	198.0	8458.67	100.0
70.0	35.00	0.4	134.0	32.00	0.4	199.0	570.33	6.7
71.0	7.33	0.1	135.0	120.00	1.4	200.0	52.67	0.6
73.0	34.67	0.4	136.0	66.67	0.8	201.0	38.67	0.5
74.0	338.67	4.0	137.0	68.33	0.8	202.0	9.00	0.1
75.0	575.67	6.8	140.0	11.67	0.1	203.0	44.00	0.5
76.0	216.00	2.6	141.0	177.00	2.1	204.0	226.67	2.7
77.0	4240.00	50.1	142.0	76.67	0.9	205.0	380.67	4.5
78.0	307.00	3.6	143.0	23.33	0.3	206.0	1827.67	21.6
79.0	311.67	3.7	147.0	88.33	1.0	207.0	272.00	3.2
80.0	225.00	2.7	148.0	188.67	2.2	208.0	51.00	0.6
81.0	291.67	3.4	149.0	43.33	0.5	209.0	20.67	0.2
82.0	55.33	0.7	153.0	35.33	0.4	210.0	32.67	0.4
83.0	88.67	1.0	154.0	53.33	0.6	211.0	35.33	0.4
85.0	19.33	0.2	155.0	112.00	1.3	216.0	8.67	0.1
86.0	17.00	0.2	156.0	126.00	1.5	217.0	420.00	5.0
87.0	57.33	0.7	157.0	22.00	0.3	218.0	39.33	0.5
88.0	10.00	0.1	158.0	24.33	0.3	221.0	342.67	4.1
91.0	104.67	1.2	160.0	51.33	0.6	222.0	68.33	0.8
92.0	67.00	0.8	161.0	83.67	1.0	223.0	97.33	1.2
93.0	514.00	6.1	162.0	11.67	0.1	224.0	890.00	10.5
94.0	18.67	0.2	165.0	35.67	0.4	225.0	237.33	2.8
96.0	27.33	0.3	166.0	37.33	0.4	226.0	22.33	0.3
98.0	338.67	4.0	167.0	351.67	4.2	227.0	321.33	3.8
99.0	295.67	3.5	168.0	268.00	3.2	228.0	61.33	0.7
100.0	14.33	0.2	169.0	29.67	0.4	229.0	64.33	0.8
101.0	165.67	2.0	173.0	29.67	0.4	231.0	22.33	0.3
103.0	67.67	0.8	174.0	72.67	0.9	234.0	10.00	0.1
104.0	93.00	1.1	175.0	101.33	1.2	235.0	14.00	0.2
105.0	109.33	1.3	176.0	10.33	0.1	237.0	11.67	0.1

DUO:[301,713DF0515A
DFTPP EXTR03
15-MAY-92 07:44:11
Scans: 236 - 238 Average Time: 6.86 min
Background: 1.00 232
Base Peak: 198.0 Intensity: 8458.67

Mass	Intensity	%Base
239.0	10.33	0.1
241.0	12.67	0.1
242.0	23.33	0.3
243.0	29.00	0.3
244.0	821.67	9.7
245.0	118.33	1.4
246.0	134.67	1.6
249.0	36.33	0.4
255.0	3584.00	42.4
256.0	575.67	6.8
257.0	48.00	0.6
258.0	162.67	1.9
259.0	14.00	0.2
265.0	48.33	0.6
273.0	112.00	1.3
274.0	299.67	3.5
275.0	1753.00	20.7
276.0	257.00	3.0
277.0	116.00	1.4
278.0	14.33	0.2
296.0	295.00	3.5
297.0	33.67	0.4
303.0	37.67	0.4
314.0	6.33	0.1
315.0	14.33	0.2
323.0	113.67	1.3
324.0	19.67	0.2
328.0	11.67	0.1
334.0	73.67	0.9
335.0	14.00	0.2
352.0	34.00	0.4
353.0	14.33	0.2
354.0	20.67	0.2
365.0	104.33	1.2
366.0	8.67	0.1
372.0	68.00	0.8
383.0	11.33	0.1
402.0	28.67	0.3
403.0	47.00	0.6
404.0	14.00	0.2
421.0	21.00	0.2
422.0	35.00	0.4
423.0	287.67	3.4
424.0	74.67	0.9
441.0	752.67	8.9
442.0	7642.00	90.3
443.0	1442.33	17.1
444.0	162.33	1.9

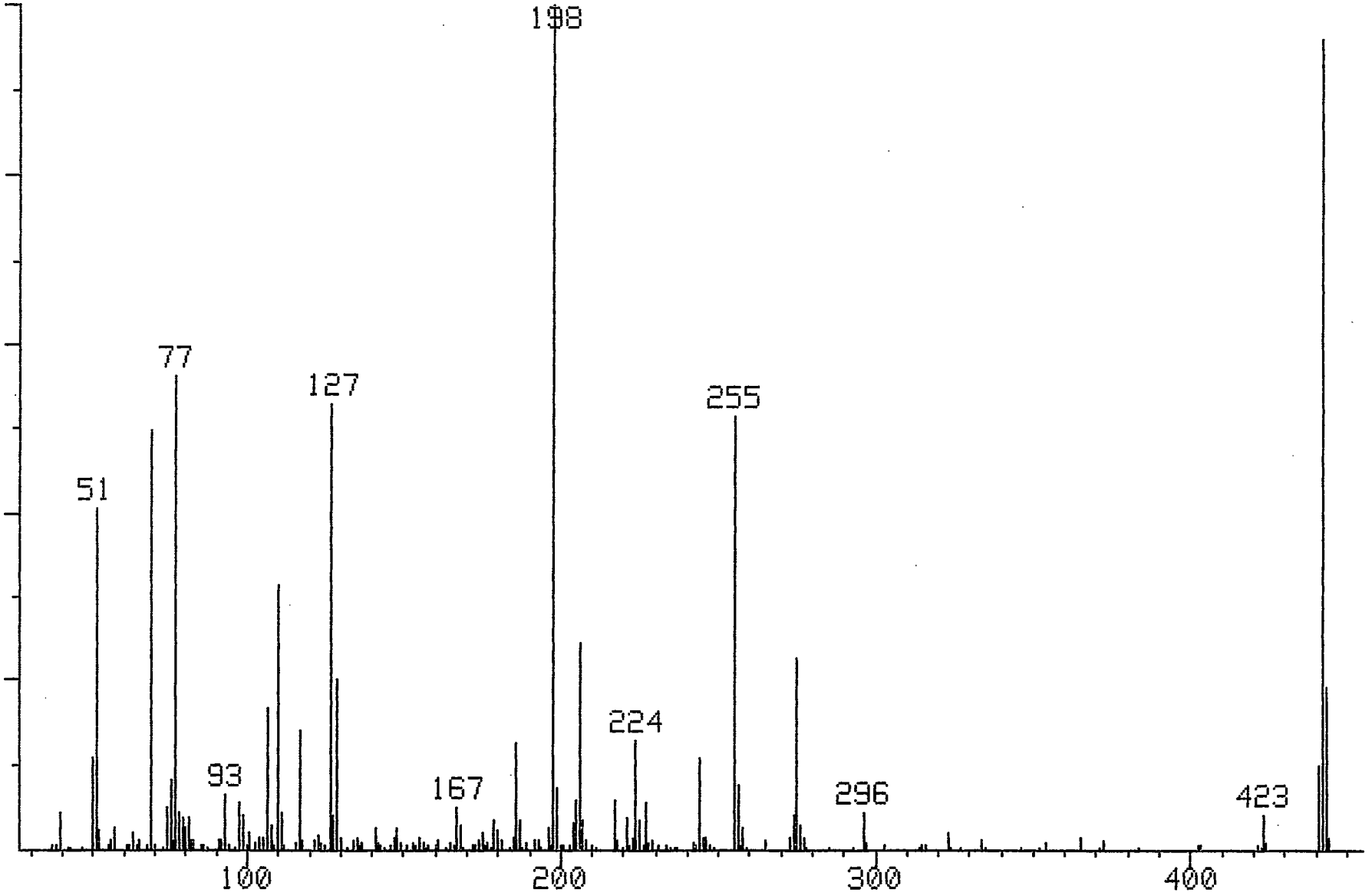
DU0:[301,713DF0515A, DFTPP EXTR03, 15-MAY-92, 07:44:11
Q1 TIC, Sns: 150-531, Max: 108379, C Max: 108379, RT: 6.2, 9.2



Box number 1 Scans available 1-763 Specifying box 1

000711

DU0:[301,10]3DF0518A, , 18-MAY-92, 12:53:53
Q1 Mss: 26.0-455.0, Sns: 227-229, B: 1.0 223, Max: 15306, ART: 6.8



000712

Box number 1 Scans available 1-636

DUO:[301,10]3DF0518A

18-MAY-92 12:53:53
Scans: 227 - 229 Average Time: 6.79 min
Background: 1.00 223
Base Peak: 198.0 Intensity: 15306.67

Mass	Intensity	%Base	Mass	Intensity	%Base	Mass	Intensity	%Base
37.0	80.67	0.5	98.0	842.00	5.5	154.0	94.00	0.6
38.0	91.67	0.6	99.0	608.00	4.0	155.0	206.00	1.3
39.0	653.00	4.3	100.0	66.33	0.4	156.0	138.67	0.9
42.0	35.67	0.2	101.0	331.67	2.2	157.0	48.67	0.3
43.0	53.00	0.3	102.0	27.33	0.2	158.0	88.00	0.6
44.0	15.00	0.1	103.0	126.67	0.8	159.0	23.33	0.2
45.0	11.67	0.1	104.0	245.00	1.6	160.0	101.33	0.7
47.0	31.00	0.2	105.0	197.33	1.3	161.0	173.00	1.1
50.0	1668.33	10.9	106.0	23.67	0.2	162.0	22.33	0.1
51.0	6170.33	40.3	107.0	2536.67	16.6	163.0	13.00	0.1
52.0	339.67	2.2	108.0	427.67	2.8	164.0	28.33	0.2
54.0	14.00	0.1	109.0	70.67	0.5	165.0	116.33	0.8
55.0	80.00	0.5	110.0	4821.33	31.5	166.0	111.33	0.7
56.0	165.00	1.1	111.0	660.00	4.3	167.0	733.67	4.8
57.0	414.33	2.7	112.0	98.67	0.6	168.0	472.67	3.1
58.0	7.33	0.0	113.0	17.00	0.1	169.0	44.00	0.3
59.0	6.33	0.0	114.0	10.00	0.1	170.0	18.00	0.1
61.0	86.67	0.6	116.0	128.67	0.8	172.0	92.67	0.6
62.0	95.33	0.6	117.0	2124.67	13.9	173.0	93.33	0.6
63.0	286.00	1.9	118.0	170.67	1.1	174.0	159.00	1.0
64.0	56.00	0.4	119.0	19.33	0.1	175.0	288.00	1.9
65.0	157.33	1.0	122.0	176.67	1.2	176.0	88.33	0.6
67.0	15.67	0.1	123.0	274.33	1.8	177.0	115.00	0.8
68.0	78.67	0.5	124.0	137.33	0.9	178.0	30.00	0.2
69.0	7632.00	49.9	125.0	87.00	0.6	179.0	548.00	3.6
70.0	65.67	0.4	127.0	8117.33	53.0	180.0	359.67	2.3
71.0	15.67	0.1	128.0	627.00	4.1	181.0	188.67	1.2
73.0	44.33	0.3	129.0	3045.33	19.9	184.0	30.00	0.2
74.0	738.67	4.8	130.0	209.00	1.4	185.0	229.67	1.5
75.0	1252.67	8.2	132.0	36.67	0.2	186.0	1916.67	12.5
76.0	158.00	1.0	134.0	143.33	0.9	187.0	549.00	3.6
77.0	8613.33	56.3	135.0	240.00	1.6	188.0	54.00	0.4
78.0	672.00	4.4	136.0	97.00	0.6	189.0	133.00	0.9
79.0	572.67	3.7	137.0	117.00	0.8	191.0	18.00	0.1
80.0	407.67	2.7	138.0	15.33	0.1	192.0	153.00	1.0
81.0	576.00	3.8	139.0	9.00	0.1	193.0	158.00	1.0
82.0	144.33	0.9	140.0	18.00	0.1	194.0	39.33	0.3
83.0	141.33	0.9	141.0	405.33	2.6	196.0	395.67	2.6
85.0	65.67	0.4	142.0	138.33	0.9	197.0	96.33	0.6
86.0	91.00	0.6	143.0	75.33	0.5	198.0	15306.67	100.0
87.0	46.00	0.3	144.0	30.00	0.2	199.0	1140.00	7.4
88.0	18.67	0.1	145.0	14.33	0.1	200.0	57.00	0.4
91.0	165.33	1.1	146.0	87.33	0.6	201.0	69.33	0.5
92.0	157.00	1.0	147.0	197.33	1.3	203.0	93.67	0.6
93.0	988.33	6.5	148.0	402.67	2.6	204.0	483.67	3.2
94.0	77.33	0.5	149.0	113.00	0.7	205.0	873.67	5.7
96.0	49.67	0.3	151.0	64.33	0.4	206.0	3760.00	24.6
97.0	17.00	0.1	153.0	130.33	0.9	207.0	504.67	3.3

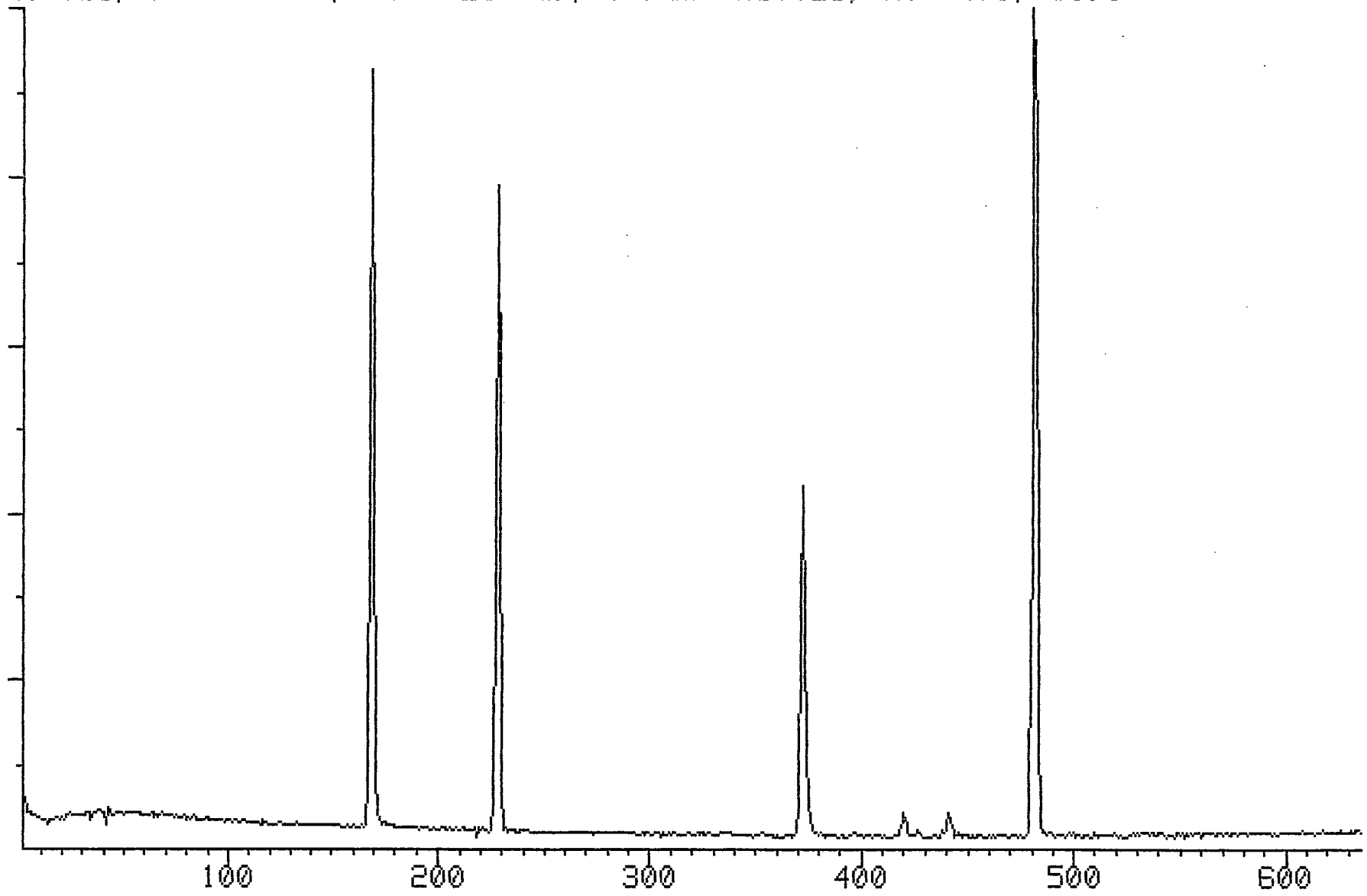
DUO:[301,10]3DF0518A

18-MAY-92 12:53:53
Scans: 227 - 229
Background: 1.00 223
Base Peak: 198.0

Average Time: 6.79 min
Intensity: 15306.67

Mass	Intensity	%Base
208.0	168.00	1.1
209.0	18.33	0.1
210.0	79.00	0.5
211.0	44.67	0.3
215.0	19.67	0.1
216.0	18.33	0.1
217.0	910.00	5.9
218.0	150.67	1.0
219.0	10.33	0.1
220.0	30.00	0.2
221.0	569.00	3.7
222.0	96.00	0.6
223.0	222.33	1.5
224.0	1957.33	12.8
225.0	515.67	3.4
226.0	76.00	0.5
227.0	855.00	5.6
228.0	122.67	0.8
229.0	166.33	1.1
230.0	9.00	0.1
231.0	107.33	0.7
233.0	23.33	0.2
234.0	58.00	0.4
235.0	48.33	0.3
236.0	28.67	0.2
237.0	49.67	0.3
241.0	21.00	0.1
242.0	123.33	0.8
243.0	103.67	0.7
244.0	1664.00	10.9
245.0	238.67	1.6
246.0	239.67	1.6
247.0	84.00	0.5
249.0	29.00	0.2
252.0	8.67	0.1
253.0	16.67	0.1
255.0	7872.00	51.4
256.0	1166.67	7.6
257.0	76.00	0.5
258.0	415.67	2.7
259.0	49.00	0.3
264.0	9.00	0.1
265.0	141.33	0.9
266.0	26.33	0.2
273.0	243.67	1.6
274.0	608.00	4.0
275.0	3477.33	22.7
276.0	431.67	2.8
277.0	243.33	1.6
278.0	50.00	0.3
283.0	19.67	0.1
284.0	10.33	0.1
285.0	40.00	0.3
293.0	32.67	0.2
294.0	18.00	0.1
295.0	11.67	0.1
296.0	654.33	4.3
297.0	122.33	0.8
303.0	72.67	0.5
314.0	32.33	0.2
315.0	90.67	0.6
316.0	61.33	0.4
321.0	21.00	0.1
323.0	289.33	1.9
324.0	47.00	0.3
327.0	40.33	0.3
334.0	157.67	1.0
335.0	31.67	0.2
346.0	47.00	0.3
352.0	31.67	0.2
354.0	118.67	0.8
365.0	248.00	1.6
366.0	13.00	0.1
371.0	32.00	0.2
372.0	177.00	1.2
373.0	10.00	0.1
383.0	46.67	0.3
402.0	70.33	0.5
403.0	97.33	0.6
404.0	19.33	0.1
421.0	108.00	0.7
422.0	38.00	0.2
423.0	610.00	4.0
424.0	128.33	0.8
441.0	1501.00	9.8
442.0	14704.00	96.1
443.0	2947.67	19.3
444.0	231.67	1.5
445.0	11.67	0.1

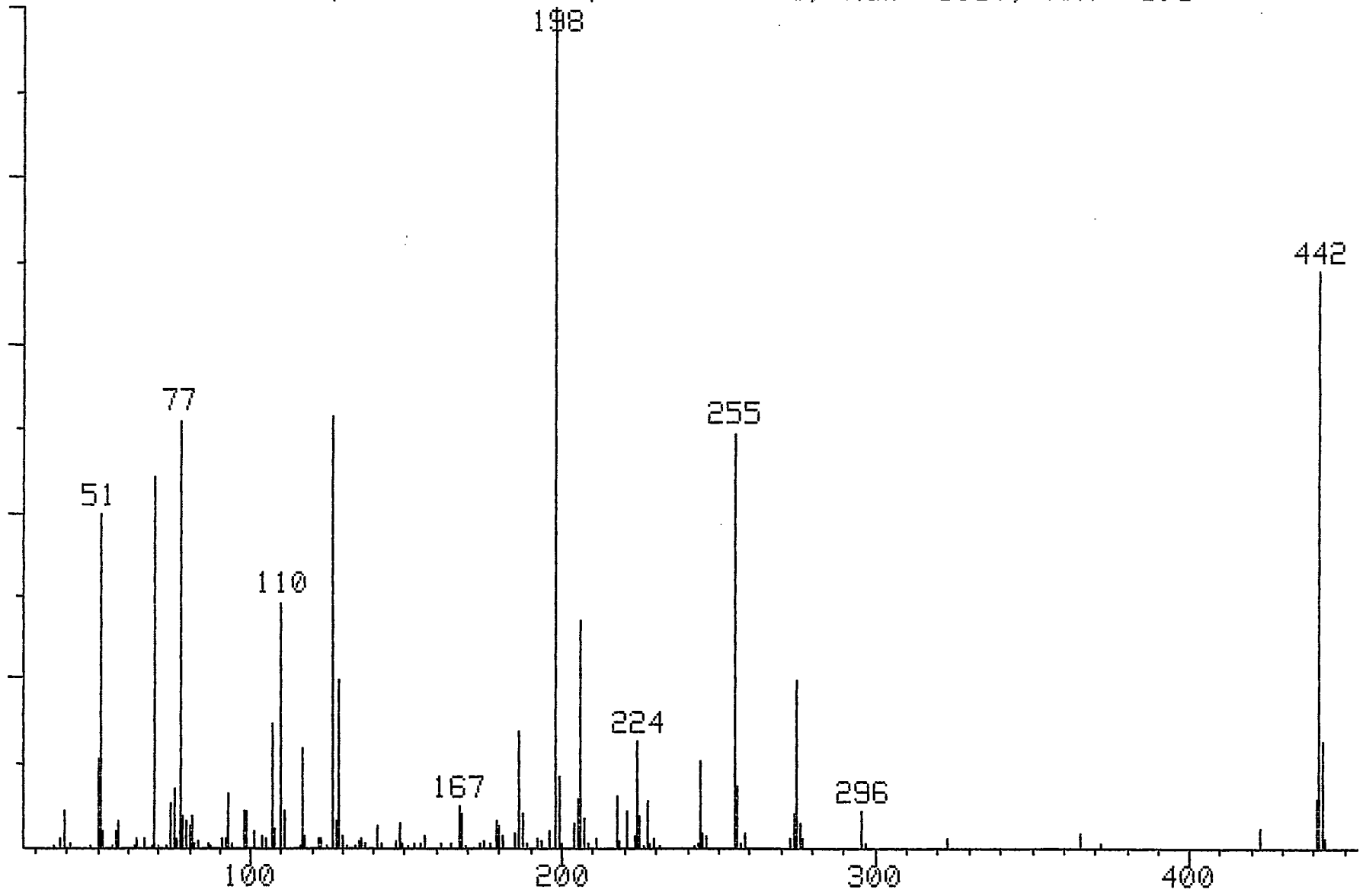
DU0:[301,10]3DF0518A, , 18-MAY-92, 12:53:53
Q1 TIC, Sns: 1-636, Max: 267729, C Max: 267729, RT: 5.0, 10.0



000715

Box number 1 Scans available 1-636

DU0:[301,11]3DF0519, , 19-MAY-92, 12:21:20
Q1 Mss: 26.0-454.0, Sns: 242-244, B: 1.0 240, Max: 6037, ART: 6.9



000716

Box number 1 Scans available 1-636

DUO:[301,111]3DF0519

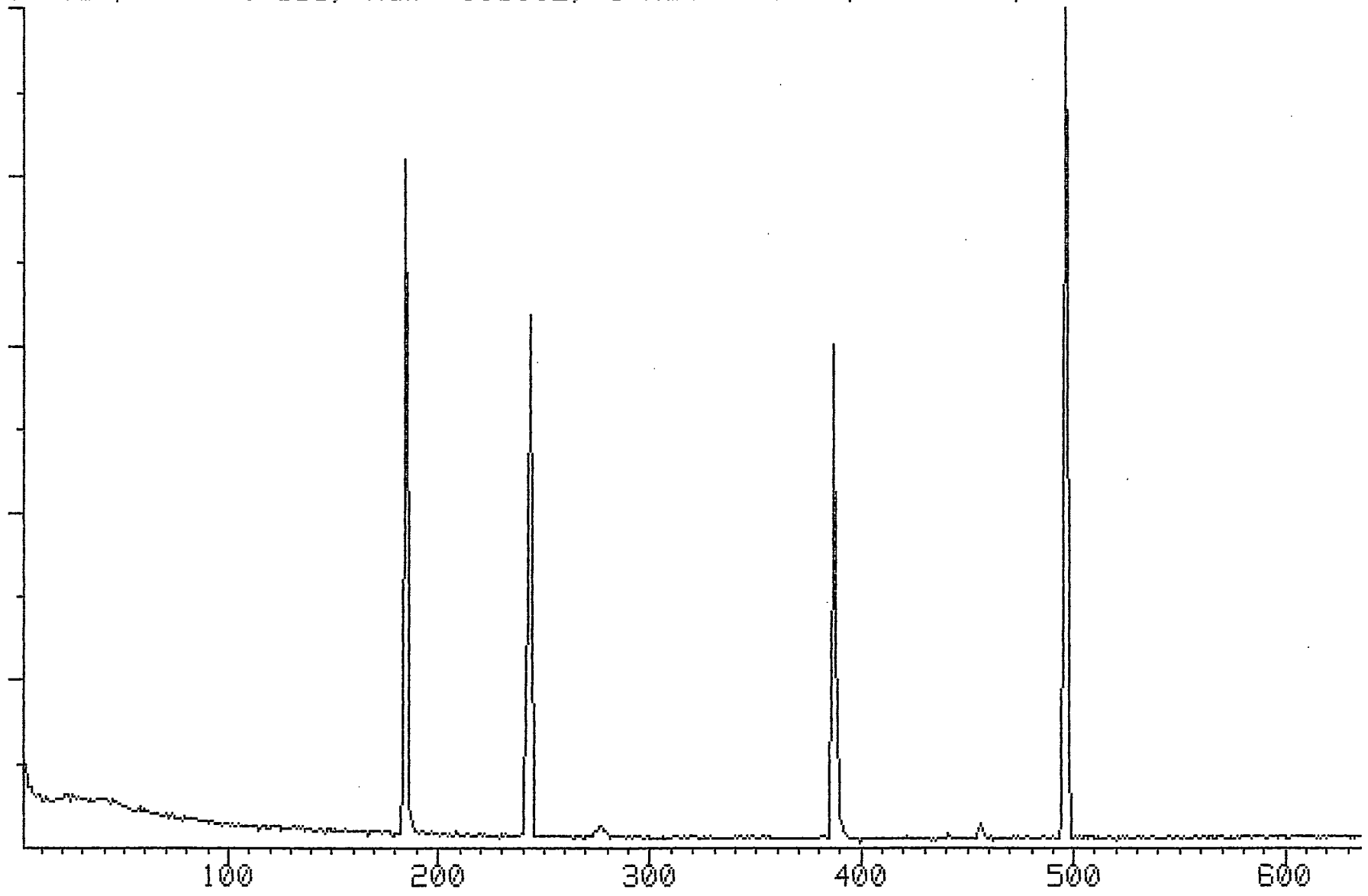
19-MAY-92 12:21:20
Scans: 242 - 244
Background: 1.00 240
Base Peak: 198.0

Average Time: 6.91 min

Intensity: 6037.33

Mass	Intensity	%Base
36.0	16.67	0.3
38.0	72.67	1.2
39.0	266.33	4.4
41.0	32.67	0.5
48.0	15.33	0.3
50.0	627.67	10.4
51.0	2405.67	39.8
52.0	117.00	1.9
55.0	17.00	0.3
56.0	114.33	1.9
57.0	194.67	3.2
62.0	18.33	0.3
63.0	57.67	1.0
65.0	63.00	1.0
68.0	19.67	0.3
69.0	2661.33	44.1
70.0	14.00	0.2
73.0	16.67	0.3
74.0	309.00	5.1
75.0	410.33	6.8
76.0	65.67	1.1
77.0	3088.00	51.1
78.0	225.00	3.7
79.0	195.33	3.2
80.0	157.33	2.6
81.0	221.00	3.7
82.0	32.33	0.5
83.0	45.33	0.8
86.0	37.00	0.6
87.0	14.00	0.2
91.0	65.67	1.1
92.0	76.33	1.3
93.0	393.00	6.5
94.0	25.67	0.4
98.0	258.67	4.3
99.0	271.00	4.5
101.0	112.33	1.9
104.0	93.67	1.6
105.0	76.33	1.3
107.0	887.33	14.7
108.0	141.33	2.3
110.0	1761.00	29.2
111.0	263.67	4.4
116.0	15.67	0.3
117.0	709.67	11.8
118.0	84.67	1.4
122.0	60.33	1.0
123.0	72.33	1.2
125.0	15.33	0.3
127.0	3109.33	51.5
128.0	193.33	3.2
129.0	1193.33	19.8
130.0	82.67	1.4
131.0	12.67	0.2
134.0	18.00	0.3
135.0	54.00	0.9
136.0	60.67	1.0
137.0	32.67	0.5
141.0	161.33	2.7
142.0	30.00	0.5
147.0	49.00	0.8
148.0	167.67	2.8
149.0	27.33	0.5
151.0	15.67	0.3
153.0	35.67	0.6
155.0	42.33	0.7
156.0	88.67	1.5
161.0	27.67	0.5
165.0	31.67	0.5
167.0	306.67	5.1
168.0	246.67	4.1
169.0	14.33	0.2
174.0	30.33	0.5
175.0	47.33	0.8
177.0	30.00	0.5
179.0	191.67	3.2
180.0	159.67	2.6
181.0	81.00	1.3
185.0	105.33	1.7
186.0	815.33	13.5
187.0	248.00	4.1
189.0	26.33	0.4
192.0	60.67	1.0
193.0	49.00	0.8
196.0	124.33	2.1
198.0	6037.33	100.0
199.0	499.00	8.3
200.0	34.00	0.6
204.0	184.00	3.0
205.0	350.33	5.8
206.0	1638.33	27.1
207.0	218.33	3.6
208.0	27.33	0.5
211.0	66.67	1.1
216.0	9.00	0.1
217.0	366.67	6.1
218.0	54.67	0.9
221.0	267.67	4.4
223.0	88.00	1.5
224.0	758.67	12.6
225.0	224.00	3.7
226.0	20.67	0.3
227.0	319.00	5.3
228.0	22.33	0.4
229.0	67.00	1.1
231.0	21.00	0.3
242.0	14.00	0.2
243.0	27.33	0.5
244.0	617.00	10.2
245.0	101.00	1.7
246.0	79.00	1.3
255.0	2992.00	49.6
256.0	437.33	7.2
257.0	28.33	0.5
258.0	108.67	1.8
273.0	72.33	1.2
274.0	246.00	4.1
275.0	1191.33	19.7
276.0	184.00	3.0
277.0	57.67	1.0
296.0	263.33	4.4
297.0	42.00	0.7
323.0	67.33	1.1
365.0	100.33	1.7
372.0	23.33	0.4
423.0	134.33	2.2
441.0	361.33	6.0
442.0	4174.00	69.1
443.0	753.33	12.5
444.0	76.00	1.3

DU0:[301,11]3DF0519, , 19-MAY-92, 12:21:20
Q1 TIC, Sns: 1-636, Max: 119102, C Max: 119102, RT: 5.0, 10.0



000718

Box number 1 Scans available 1-636

SY0:SBLK1 SBLK1 EXTR03

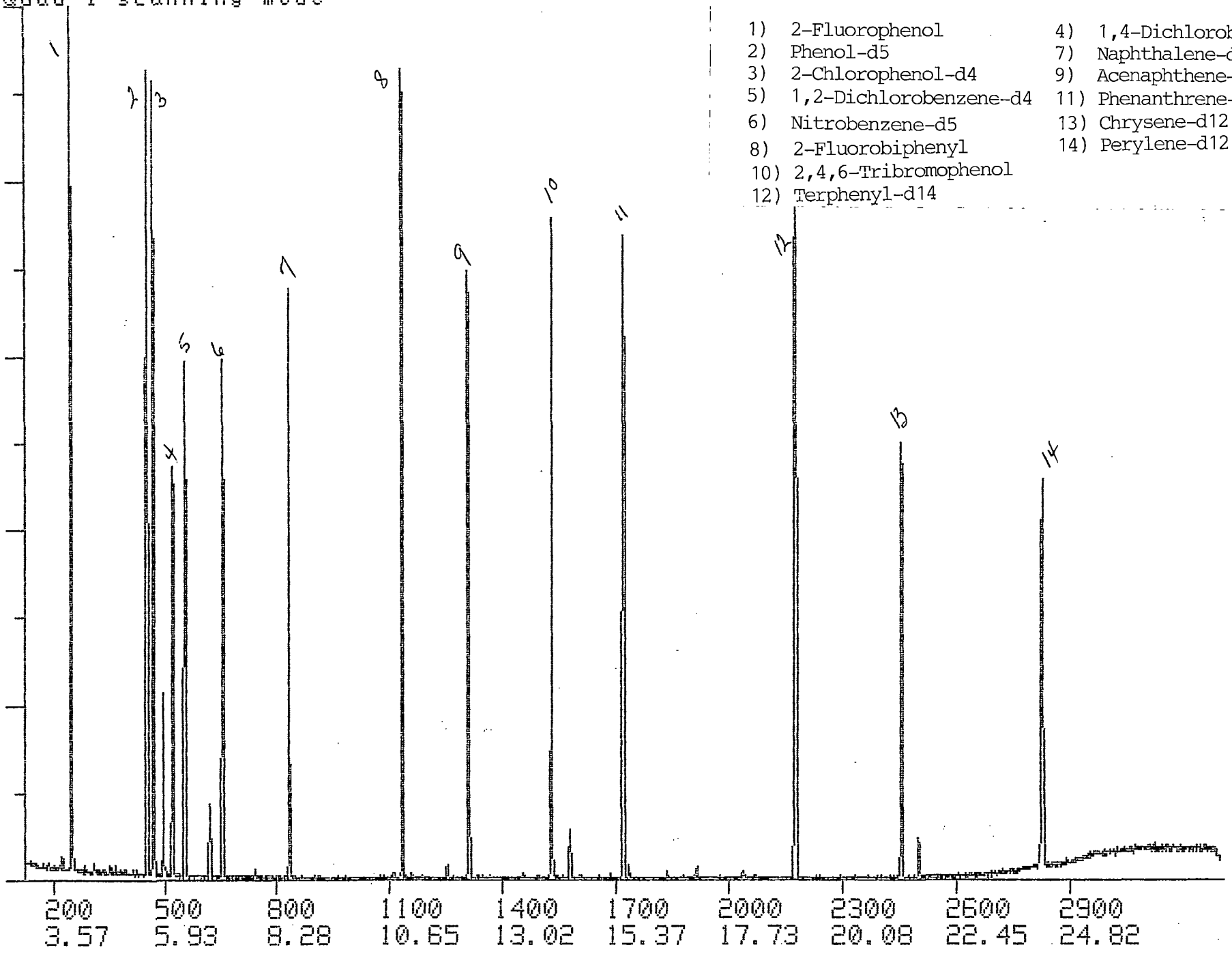
07-MAY-92 12:00:03

Total Ion Current

Quad 1 scanning mode

100%

116427



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000728

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 4/30	I.S. AREAS OK
EXTREL3 OP=JW	INITIAL AMT. = 1L	SURR REC. 'S OK
DUO:[301,3]	EXT VOL. = 1mL	DILUTION= SJ

Library used: SYO:CLP90
Data file name: SYO:SBLK1
Injection time: 07-MAY-92 12:00:03
Comments:
SBLK1 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

EXTREL 3

1S	6.08	519				STD	0.96	40.0	NG
2S	8.57	835				STD	0.89	40.0	NG
3S	12.30	1310				STD	1.00	40.0	NG
4S	15.53	1720				STD	0.92	40.0	NG
5S	21.33	2458				STD	0.92	40.0	NG
6S	24.23	2827				STD	0.96	40.0	NG
1T	Was Not Found								
2T	Was Not Found								
3T	Is Below Specified Detection Limit								
4T	Was Not Found								
5T	Was Not Found								
6T	Was Not Found								
7T	Was Not Found								
8T	Was Not Found								
9T	Was Not Found								
10T	Was Not Found								
11T	Was Not Found								
~~12T~~	~~6.87~~	~~620~~	~~77. / 136.~~	~~8028. /~~	~~131280.~~	~~2~~	~~0.71~~	~~6.7~~	~~NG~~
13T	Was Not Found								
14T	Was Not Found								
15T	Was Not Found								
16T	Was Not Found								
17T	Was Not Found								
18T	Was Not Found								
19T	Was Not Found								
20T	Was Not Found								
21T	Was Not Found								
22T	Was Not Found								
23T	Was Not Found								
24T	Was Not Found								
25T	Was Not Found								
26T	Was Not Found								
27T	Was Not Found								
28T	Was Not Found								
29T	Was Not Found								
30T	Was Not Found								
31T	Was Not Found								
32T	Was Not Found								
33T	Was Not Found								
34T	Was Not Found								
35T	Was Not Found								
36T	Was Not Found								
37T	Was Not Found								
38T	Was Not Found								
39T	Was Not Found								
40T	Was Not Found								
41T	Was Not Found								
42T	Was Not Found								
43T	Was Not Found								
44T	Was Not Found								
45T	Was Not Found								
46T	Was Not Found								
47T	Was Not Found								
48T	Was Not Found								
49T	Was Not Found								
50T	17.07	1915	149. / 188.	3281. /	130764.	4	0.88	1.1	NG

EXTREL 3

51T	Was Not Found								
52T	Is Below Specified Detection Limit								
53T	Was Not Found								
54T	Was Not Found								
55T	Was Not Found								
56T	Was Not Found								
57T	21.68	2502	149. / 240.	4259. /	90949.	5	0.86	2.6	NG
58T	Was Not Found								
59T	Was Not Found								
60T	Was Not Found								
61T	Was Not Found								
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	7.15	656	82. / 136.	85770. /	131280.	2	1.00	80.0	NG
66T	10.93	1136	172. / 164.	136106. /	73512.	3	0.93	74.5	NG
67T	19.15	2180	244. / 240.	158984. /	90949.	5	0.93	100.2	NG
68T	5.55	451	99. / 152.	149288. /	29321.	1	0.81	114.5	NG
69T	3.93	246	112. / 152.	104628. /	29321.	1	0.92	107.9	NG
70T	14.03	1530	330. / 164.	30762. /	73512.	3	0.82	158.4	NG
71T	5.68	468	132. / 152.	104874. /	29321.	1	0.83	129.5	NG
72T	6.35	553	152. / 152.	36481. /	29321.	1	0.89	62.6	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
~~79T~~	~~11.12~~	~~1160~~	~~154. / 164.~~	~~805. /~~	~~73512.~~	~~3~~	~~0.50~~	~~93.2~~	~~NG~~
80T	Was Not Found								
81T	6.08	519	152. / 152.	29321. /	29321.	1	0.96	50.0	NG
82T	8.57	835	136. / 136.	131280. /	131280.	2	0.89	50.0	NG
83T	12.30	1310	164. / 164.	73512. /	73512.	3	0.83	50.0	NG
84T	15.53	1720	188. / 188.	130764. /	130764.	4	0.92	50.0	NG
85T	21.33	2458	240. / 240.	90949. /	90949.	5	0.92	50.0	NG
86T	24.23	2827	264. / 264.	84732. /	84732.	6	0.96	50.0	NG

TCH 5/19/92

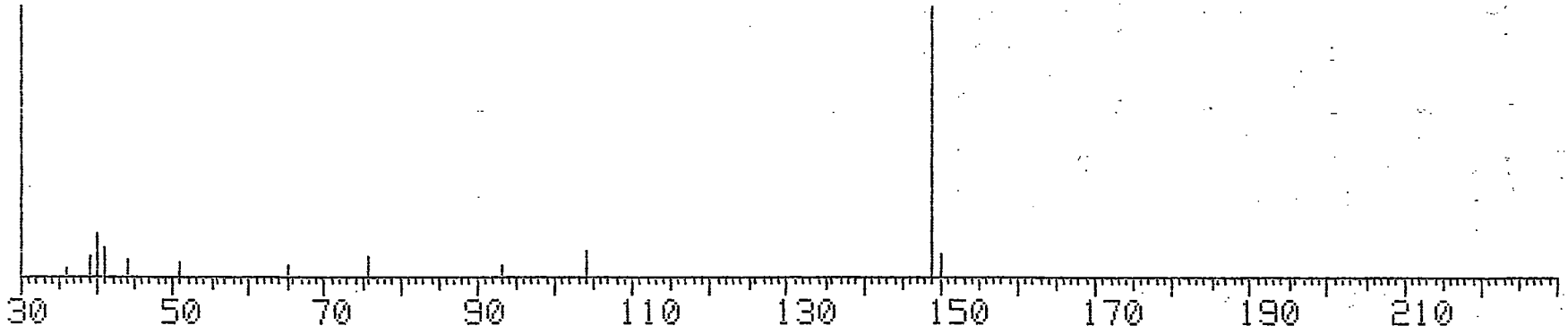
Extended Quantitation Report

EXTREL 3

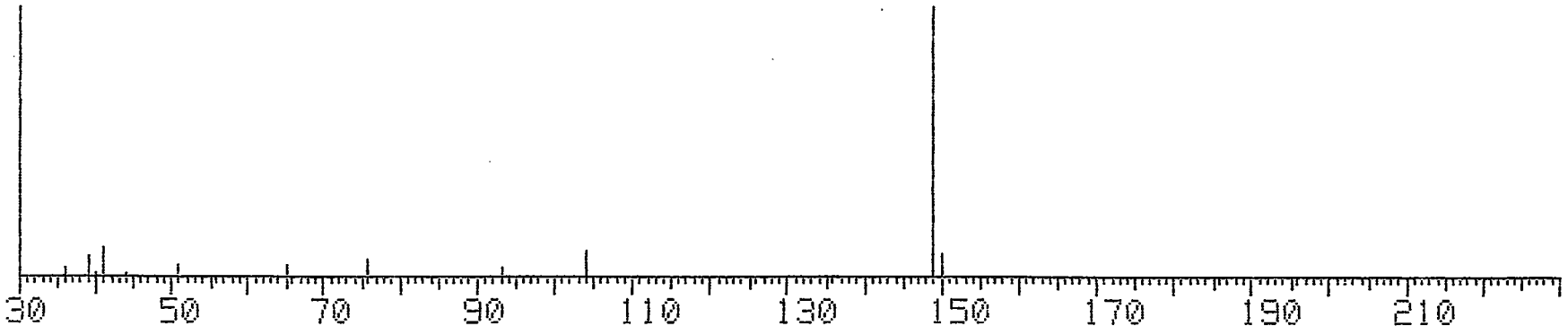
Library used: SYO:CLP90
Data file name: SYO:SBLK1
Injection time: 07-MAY-92 12:00:03

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
12T	0.802	77. / 136.	0.355	6.9	IA BV RF			1.00
50T	1.099	149. / 188.	0.942	1.1	IA BB RF			1.00
57T	1.016	149. / 240.	0.710	2.6	IA BB RF			1.00
65T	0.834	82. / 136.	0.327	80.0	IA BB RF			1.00
66T	0.889	172. / 164.	0.994	74.5	IA BB RF			1.00
67T	0.898	244. / 240.	0.698	100.2	IA BB RF			1.00
68T	0.913	99. / 152.	1.779	114.5	IA BV RF			1.00
69T	0.646	112. / 152.	1.323	107.9	IA BB RF			1.00
70T	1.141	330. / 164.	0.106	158.4	IA BB RF			1.00
71T	0.934	132. / 152.	1.104	129.5	IA BB RF			1.00
72T	1.044	152. / 152.	0.795	62.6	IA VB RF			1.00
79T	0.904	154. / 164.	0.005	93.2	IA VB RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA VV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BV RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF			1.00

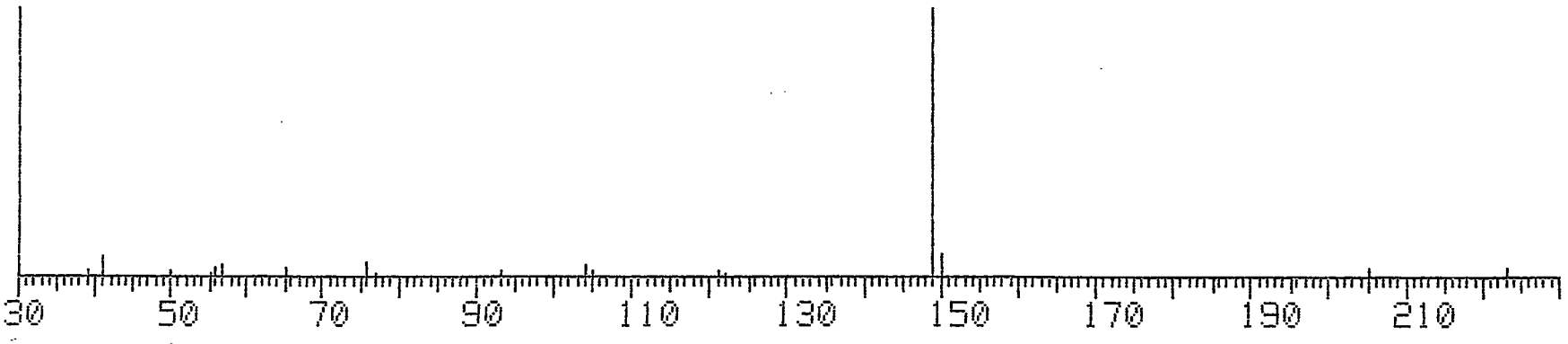
SY0:SBLK1 SBLK1 EXTR03 Total
07-MAY-92 12:00:03 Scan 1915 Time 17.07 min. 1723
100 % = 974



SY0:SBLK1 SBLK1 EXTR03 Total
07-MAY-92 12:00:03 Scan 1915 Time 17.07 min. 1546
Bkg scan = 1910 100 % = 974

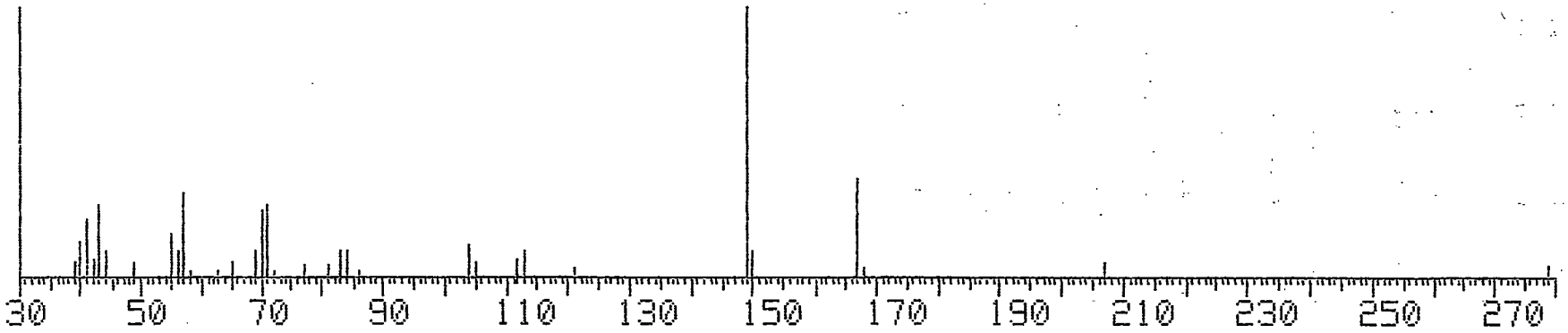


Standard Reference Spectrum: Di-n-butylphthalate

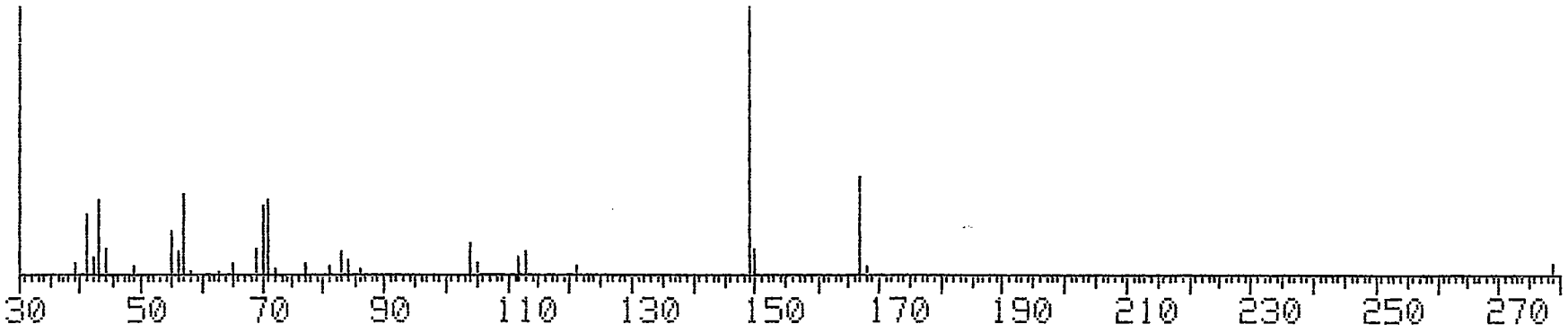


000728

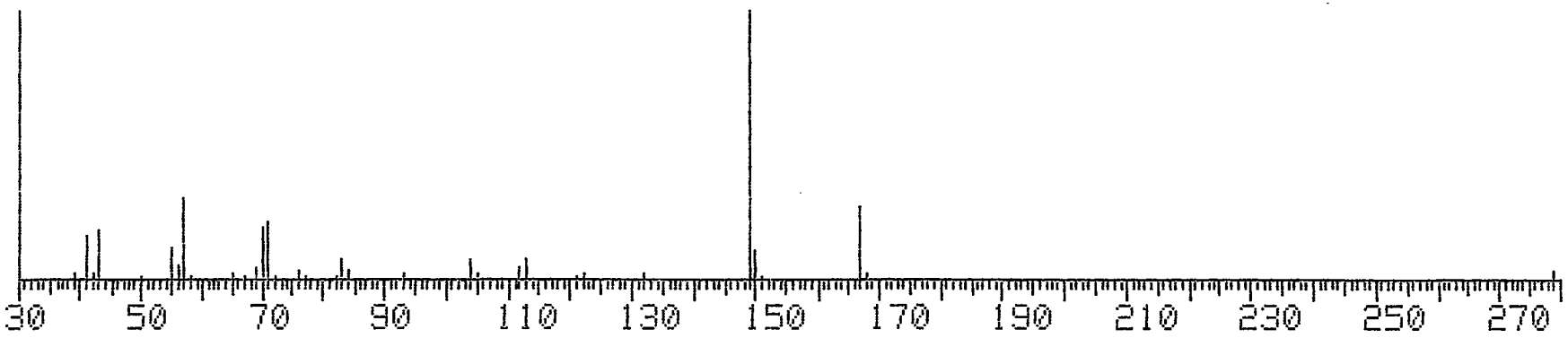
SY0:SBLK1 SBLK1 EXTR03 Total
07-MAY-92 12:00:03 Scan 2502 Time 21.68 min. 5381
100 % = 1221



SY0:SBLK1 SBLK1 EXTR03 Total
07-MAY-92 12:00:03 Scan 2502 Time 21.68 min. 5002
Bkg scan = 2496 100 % = 1221



Standard Reference Spectrum: bis(2-Ethylhexyl)phthalate



000729

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:SBLK1
Injection date: 07-MAY-92 12:00:03

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
1	494	5.88	BB	-5	14	86971.	1.84	18.54	1
2	620	6.87				31163		6.6	

TIC areas for associated internal standards:

Std.	Area	Conc.
1	187629.	40.

NISTEPA Library Search

File name: SYO:SBLK1
Comments: SBLK1 EXTRO3
Scan Number: 494
Background Scans * 1.00 489
Retention time: 5.88 min.
Date: 07-MAY-92 Time: 12:00:03

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.675
C6H1403 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.661
C8H1803 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.578
C8H1804 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.532
C8H1604 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3140
C.A.S 3944-36-3
Fit 0.483
C6H1402 118 2-Propanol, 1-(1-methylethoxy)-

Rank 6 Spectrum 3102
C.A.S 29006-02-8
Fit 0.482
C5H1003 118 Butanoic acid, 4-methoxy-

Rank 7 Spectrum 3147
C.A.S 1569-01-3
Fit 0.454
C6H1402 118 2-Propanol, 1-propoxy-

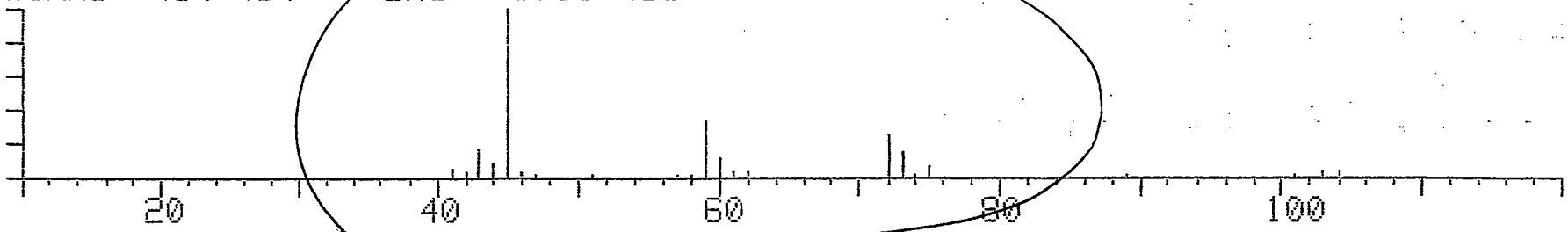
Rank 8 Spectrum 11070
C.A.S 10143-32-5
Fit 0.426
C8H1803 162 2-Propanol, 1-(2-ethoxypropoxy)-

Rank 9 Spectrum 1725
C.A.S 19089-47-5
Fit 0.388
C5H1202 104 1-Propanol, 2-ethoxy-

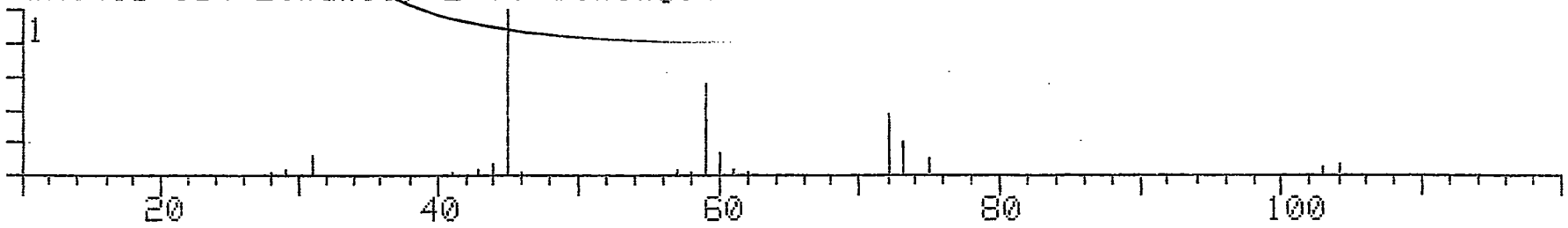
Rank 10 Spectrum 29060
C.A.S 23778-52-1
Fit 0.376
C11H2406 252 2,5,8,11,14-Pentaoxahexadecan-16-ol

NISTEPA Forward Library Search TIC = 24311
Injection Date: 07-MAY-92 Time: 12:00:03 100% = 9865
Filename: SY0:SBLK1
Comments:
SBLK1 EXTR03

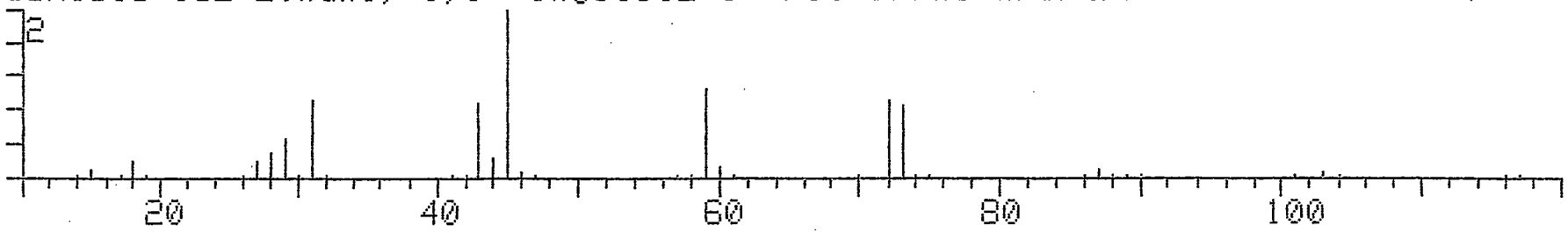
SCANS: 494-494 BKG * 1.00 489



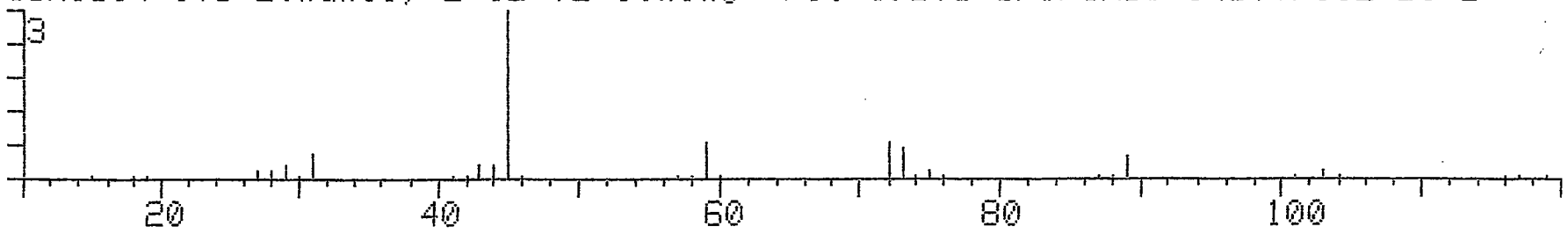
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.675 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.661 SP#/CAS# 11076/112-36-7



C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.578 SP#/CAS# 14577/112-50-5



000732

NISTEPA Library Search

File name: DUO:[301,3]SBLK1
Comments: SBLK1 EXTR03
Scan Number: 620
Background Scans * 1.00 613
Retention time: 6.87 min.
Date: 07-MAY-92 Time: 12:00:03

Forward Search

Rank 1 Spectrum 3319
C.A.S 98-86-2
Fit 0.807
C8H8O 120 Ethanone, 1-phenyl-

Rank 2 Spectrum 8034
C.A.S 579-07-7
Fit 0.671
C9H8O2 148 1,2-Propanedione, 1-phenyl-

Rank 3 Spectrum 11201
C.A.S 582-62-7
Fit 0.659
C11H14O 162 1-Butanone, 3-methyl-1-phenyl-

Rank 4 Spectrum 14660
C.A.S 1603-79-8
Fit 0.630
C10H10O3 178 Benzeneacetic acid, .alpha.-oxo-, ethyl ester

Rank 5 Spectrum 8073
C.A.S 495-40-9
Fit 0.628
C10H12O 148 1-Butanone, 1-phenyl-

Rank 6 Spectrum 11523
C.A.S 15206-55-0
Fit 0.626
C9H8O3 164 Benzeneacetic acid, .alpha.-oxo-, methyl ester

Rank 7 Spectrum 8759
C.A.S 5925-68-8
Fit 0.624
C8H8OS 152 Benzenecarbothioic acid, S-methyl ester

Rank 8 Spectrum 5628
C.A.S 93-58-3
Fit 0.595
C8H8O2 136 Benzoic acid, methyl ester

Rank 9 Spectrum 25826
C.A.S 35975-25-8
Fit 0.587
C11H11N3O3 233 2,6-Piperazinedione, 4-benzoyl-, 2-oxime

Rank 10 Spectrum 26424
C.A.S 4070-75-1
Fit 0.582
C16H12O2 236 2-Butene-1,4-dione, 1,4-diphenyl-

NISTEPA Forward Library Search

Injection Date: 07-MAY-92 Time: 12:00:03

Filename: DU0:[301,3]SBLK1

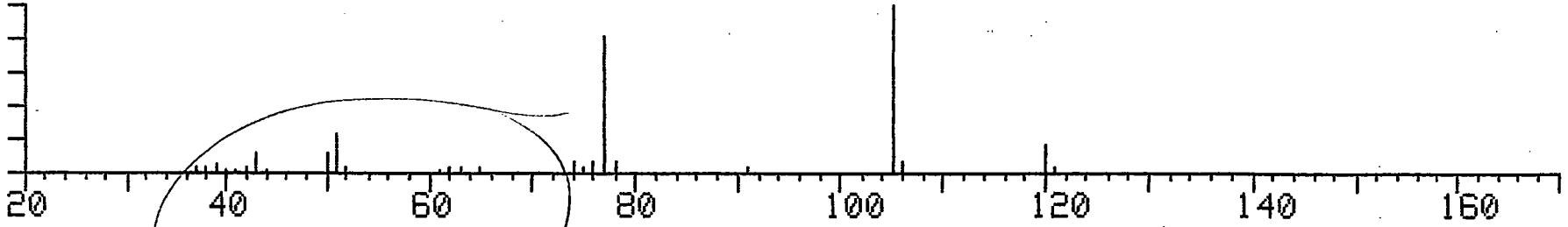
Comments:

SBLK1 EXTR03

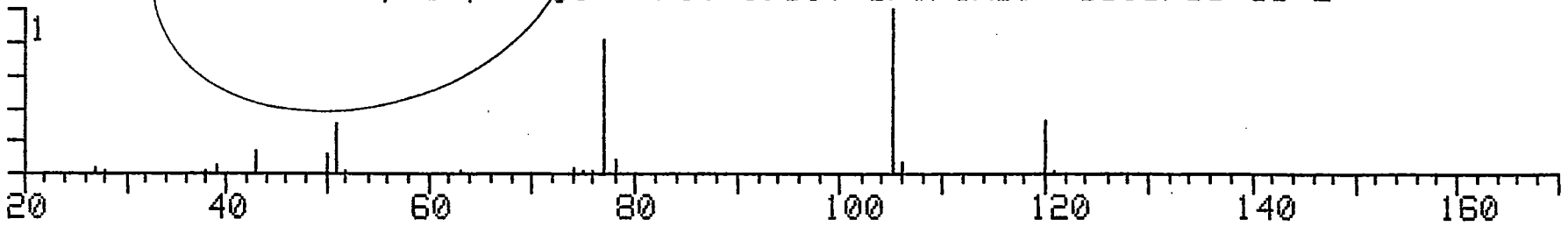
TIC = 9456

100% = 3168

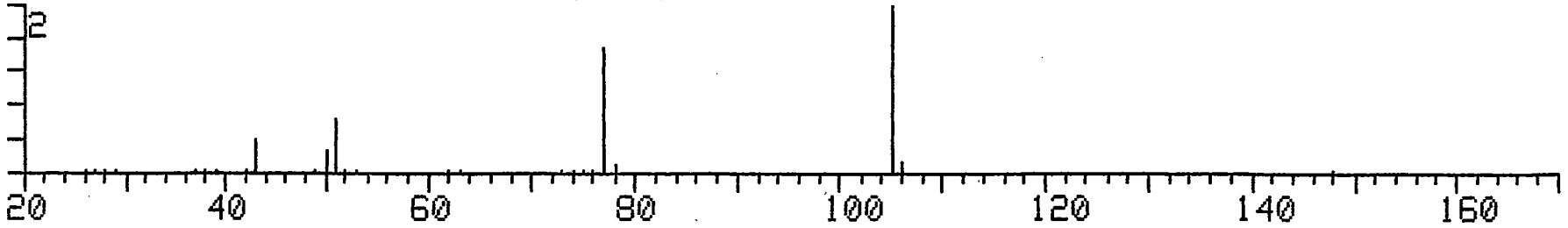
SCANS: 620-620 BKG * 1.00 613



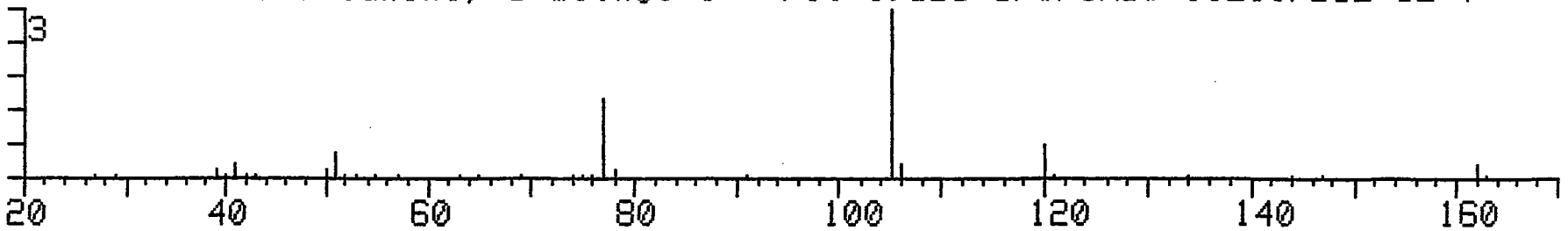
C8H8O 120 Ethanone, 1-phenyl- Fit 0.807 SP#/CAS# 3319/98-86-2



C9H8O2 148 1,2-Propanedione, 1-phen Fit 0.671 SP#/CAS# 8034/579-07-7



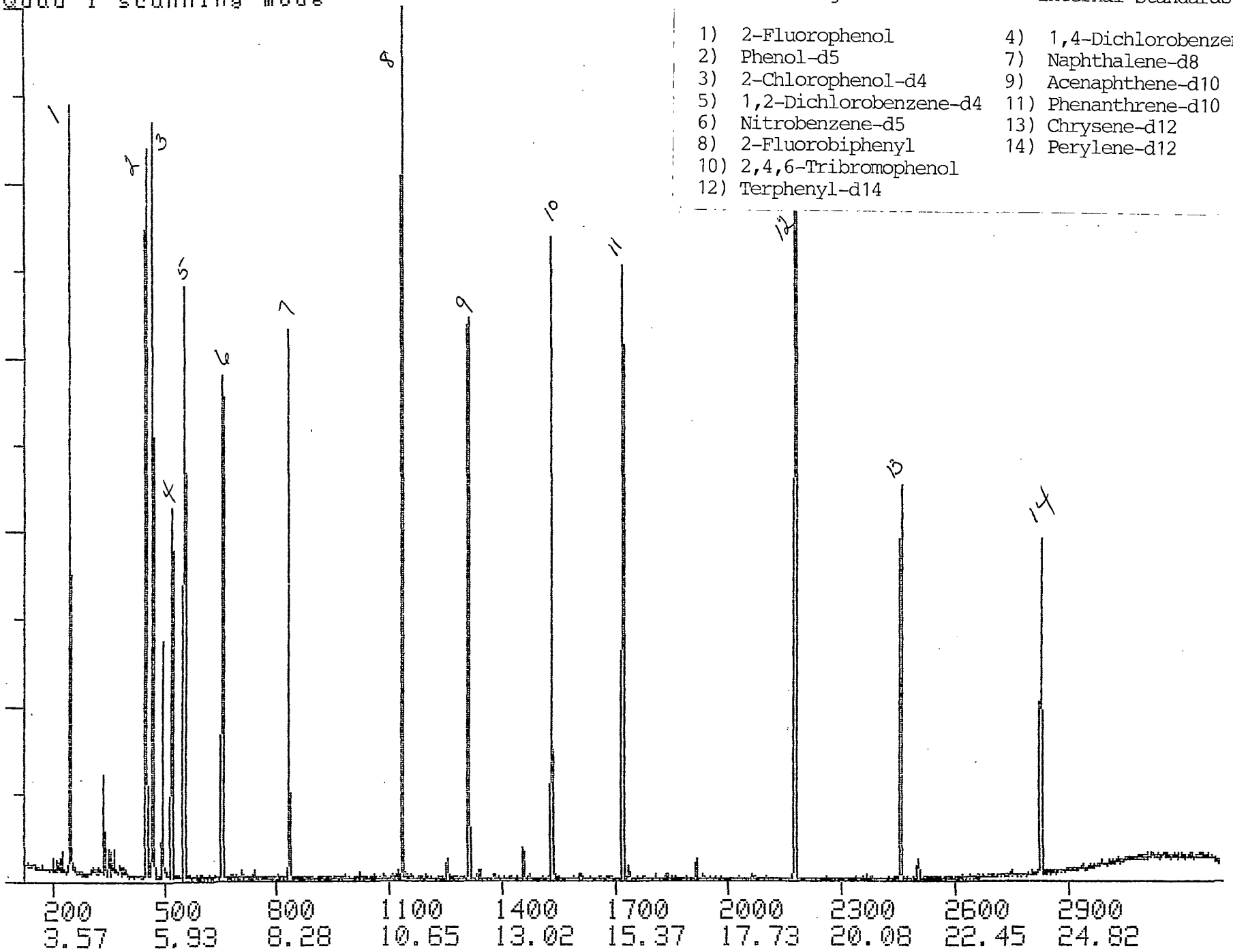
C11H14O 162 1-Butanone, 3-methyl-1- Fit 0.659 SP#/CAS# 11201/582-62-7



000734

SY0:SBLK2 SBLK2 EXTR03 100%
07-MAY-92 15:33:28 110663
Total Ion Current
Quad 1 scanning mode

Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	



000738

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS OK
EXTREL3 OP= JR	INITIAL AMT. = 30g	SURR REC. 'S OK
DUO: [301,3]	EXT VOL. = .5ml	DILUTION= 5x

Library used: SYO:CLP90
Data file name: SYO:SBLK2
Injection time: 07-MAY-92 15:33:28
Comments:
SBLK2 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	519			STD	0.92	40.0	NG
2S	8.57	835			STD	0.94	40.0	NG
3S	12.30	1310			STD	1.00	40.0	NG
4S	15.53	1720			STD	0.96	40.0	NG
5S	21.33	2458			STD	0.96	40.0	NG
6S	24.23	2827			STD	1.00	40.0	NG
1T	Was Not Found							
2T	Was Not Found							
3T	Is Below Specified Detection Limit							
4T	Was Not Found							
5T	Was Not Found							
6T	Was Not Found							
7T	Was Not Found							
8T	Was Not Found							
9T	Was Not Found							
10T	Was Not Found							
11T	Was Not Found							
12T	Was Not Found							
13T	Was Not Found							
14T	Was Not Found							
15T	Was Not Found							
16T	Was Not Found							
17T	Was Not Found							
18T	Was Not Found							
19T	Was Not Found							
20T	Was Not Found							
21T	Was Not Found							
22T	Was Not Found							
23T	Was Not Found							
24T	Was Not Found							
25T	Was Not Found							
26T	Was Not Found							
27T	Was Not Found							
28T	Was Not Found							
29T	Was Not Found							
30T	Was Not Found							
31T	Was Not Found							
32T	Was Not Found							
33T	Was Not Found							
34T	Was Not Found							
35T	Was Not Found							
36T	Was Not Found							
37T	Was Not Found							
38T	Was Not Found							
39T	Was Not Found							
40T	Was Not Found							
41T	Was Not Found							
42T	Was Not Found							
43T	Was Not Found							
44T	Was Not Found							
45T	Was Not Found							
46T	Was Not Found							
47T	Was Not Found							
48T	Was Not Found							
49T	Was Not Found							
50T	17.07	1915	149. / 188.	4568. / 116924.	4	0.77	1.7	NG

51T	Was Not Found									
52T	Was Not Found									
53T	Was Not Found									
54T	Was Not Found									
55T	Was Not Found									
56T	Was Not Found									
57T	21.68	2503	149. /	240.	1574. /	80246.	5	0.70	1.1	NG
58T	Was Not Found									
59T	Was Not Found									
60T	Was Not Found									
61T	Was Not Found									
62T	Was Not Found									
63T	Was Not Found									
64T	Was Not Found									
65T	7.15	655	82. /	136.	78968. /	114630.	2	1.00	84.4	NG
66T	10.93	1137	172. /	164.	139980. /	66325.	3	0.93	84.9	NG
67T	19.15	2180	244. /	240.	160926. /	80246.	5	0.93	114.9	NG
68T	5.53	450	99. /	152.	131192. /	24879.	1	0.85	118.6	NG
69T	3.92	245	112. /	152.	90746. /	24879.	1	0.96	110.3	NG
70T	14.03	1530	330. /	164.	30108. /	66325.	3	0.85	171.9	NG
71T	5.67	467	132. /	152.	94079. /	24879.	1	0.83	137.0	NG
72T	6.35	553	152. /	152.	40664. /	24879.	1	0.89	82.3	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	Was Not Found									
80T	Was Not Found									
81T	6.~~2308~~ 5~~53~~19		152. /	152.	~~40664. /~~	24879.	1	0.92	81.7	NG
82T	8.57	835	136. /	136.	114630. /	114630.	2	0.94	50.0	NG
83T	12.30	1310	164. /	164.	66325. /	66325.	3	0.90	50.0	NG
84T	15.53	1720	188. /	188.	116924. /	116924.	4	0.96	50.0	NG
85T	21.33	2458	240. /	240.	80246. /	80246.	5	0.96	50.0	NG
86T	24.23	2827	264. /	264.	71034. /	71034.	6	1.00	50.0	NG

TH 5/19/92

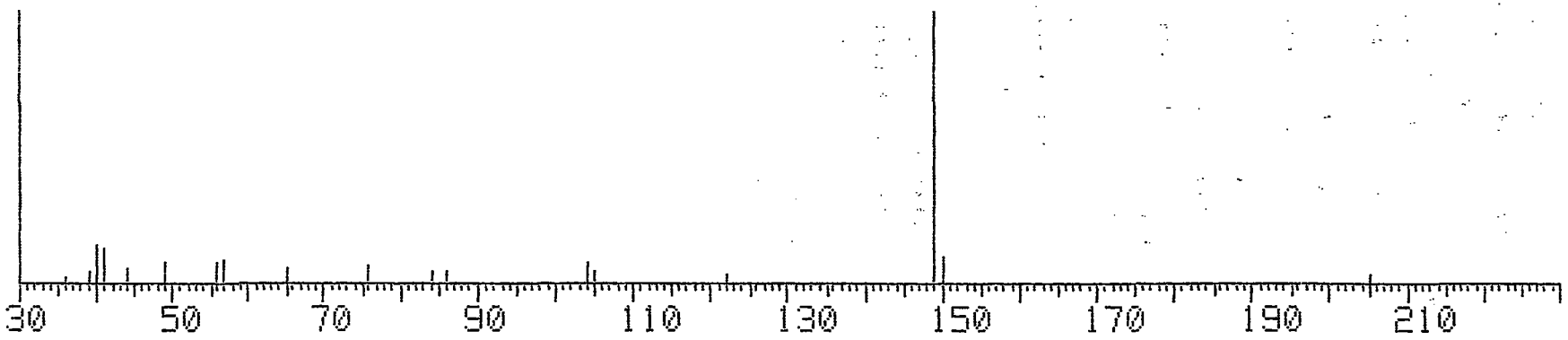
Extended Quantitation Report

EXTREL 3

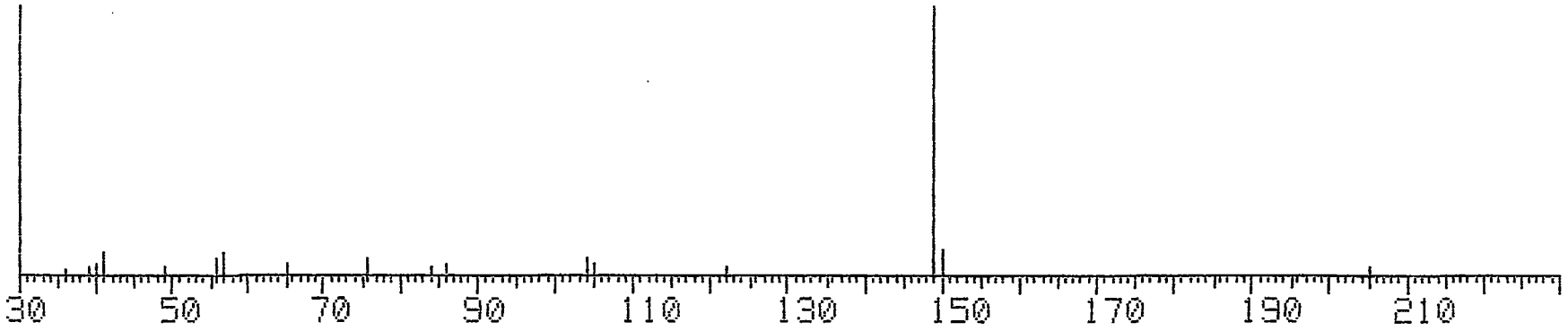
Library used: SYO:CLP90
Data file name: SYO:SBLK2
Injection time: 07-MAY-92 15:33:28

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
50T	1.099	149. / 188.	0.942	1.7	IA	BB	RF			1.00
57T	1.016	149. / 240.	0.710	1.1	IA	BB	RF			1.00
65T	0.834	82. / 136.	0.327	84.4	IA	BB	RF			1.00
66T	0.889	172. / 164.	0.994	84.9	IA	BB	RF			1.00
67T	0.898	244. / 240.	0.698	114.9	IA	BB	RF			1.00
68T	0.910	99. / 152.	1.779	118.6	IA	BV	RF			1.00
69T	0.645	112. / 152.	1.323	110.3	IA	BB	RF			1.00
70T	1.141	330. / 164.	0.106	171.9	IA	BB	RF			1.00
71T	0.933	132. / 152.	1.104	137.0	IA	BB	RF			1.00
72T	1.044	152. / 152.	0.795	82.3	IA	VB	RF			1.00
81T	1.044	152. / 152.	0.800	81.7	IA	VB	RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA	BB	RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA	BB	RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA	BV	RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA	BB	RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA	BB	RF			1.00

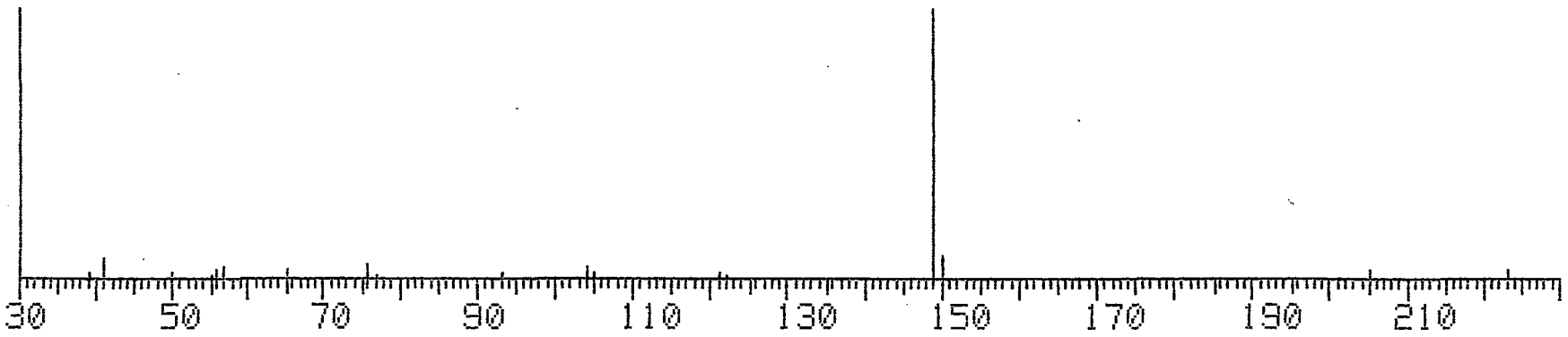
SY0:SBLK2 SBLK2 EXTR03 Total
07-MAY-92 15:33:28 Scan 1915 Time 17.07 min. 2782
100 % = 1333



SY0:SBLK2 SBLK2 EXTR03 Total
07-MAY-92 15:33:28 Scan 1915 Time 17.07 min. 2410
Bkg scan = 1910 100 % = 1333

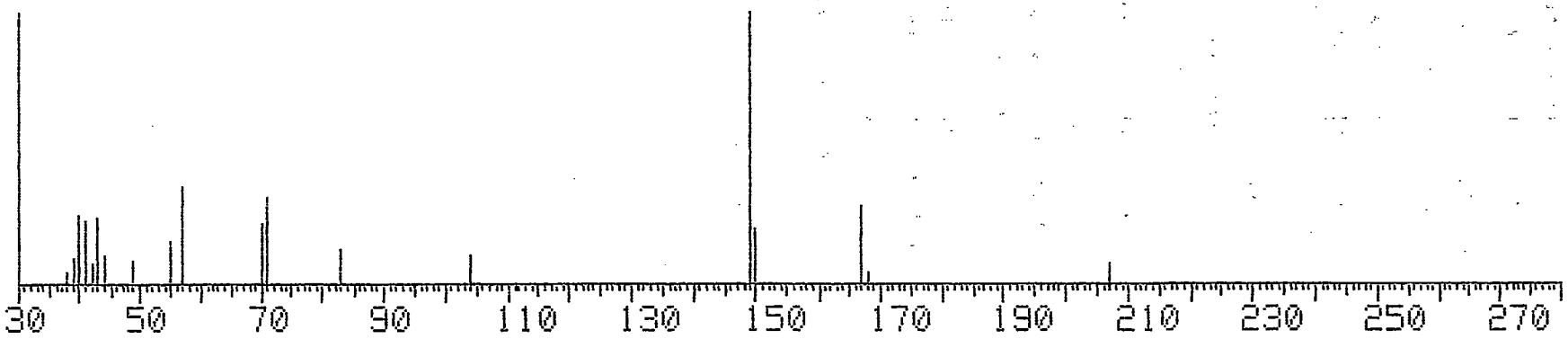


Standard Reference Spectrum: Di-n-butylphthalate

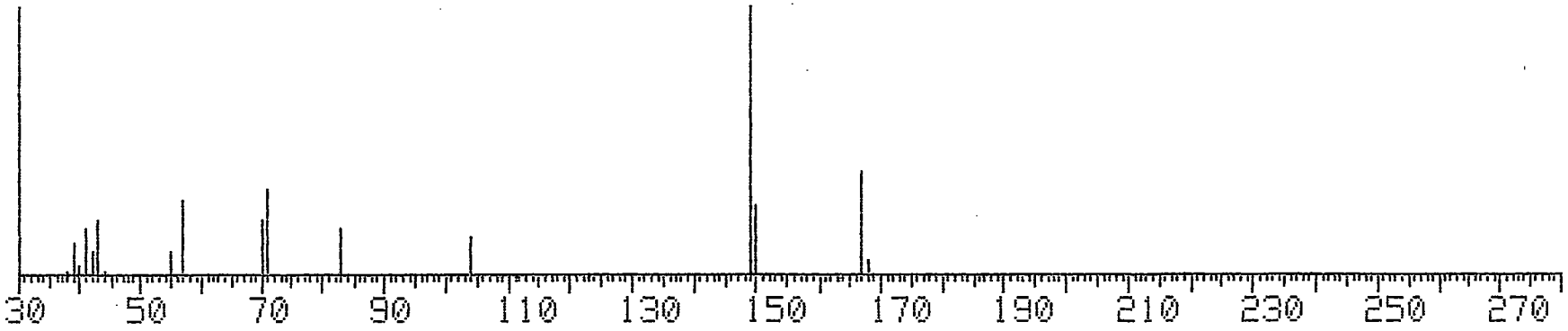


000744

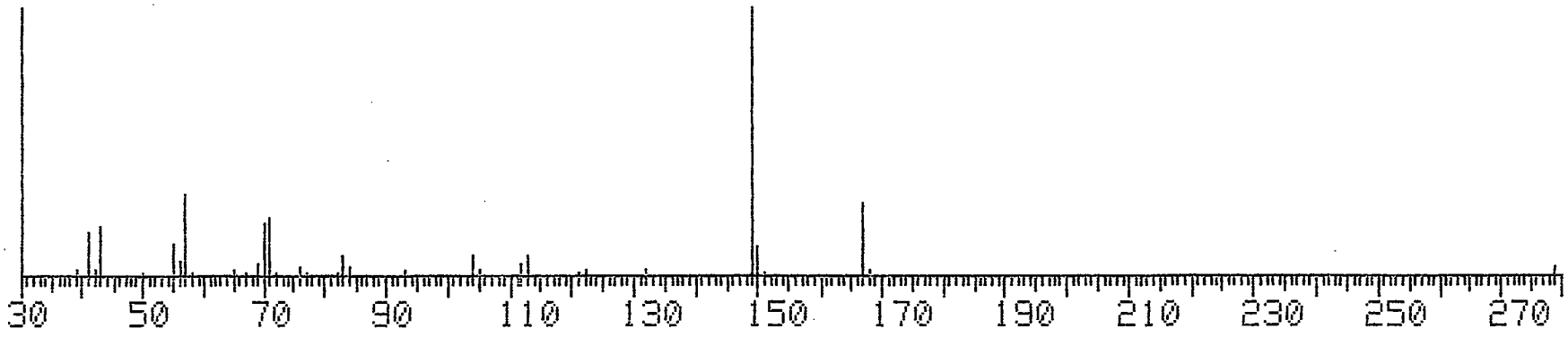
SY0:SBLK2 SBLK2 EXTR03 Total
07-MAY-92 15:33:28 Scan 2503 Time 21.68 min. 2689
100 % = 499



SY0:SBLK2 SBLK2 EXTR03 Total
07-MAY-92 15:33:28 Scan 2503 Time 21.68 min. 1761
Bkg scan = 2500 100 % = 499



Standard Reference Spectrum: bis(2-Ethylhexyl)phthalate



Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:SBLK2
Injection date: 07-MAY-92 15:33:28

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
~~1~~	~~337~~	~~4.65~~	~~BV~~	~~5~~	~~8~~	~~42106.~~	~~0.76~~	~~10.56~~	~~1~~
~~2~~	~~362~~	~~4.85~~	~~BV~~	~~8~~	~~4~~	~~20476.~~	~~0.47~~	~~5.14~~	~~1~~
3	494	5.88	BB	-6	10	109011.	2.48	27.33	1

TIC areas for associated internal standards:

Std.	Area	Conc.
1	159530.	40.

NISTEPA Library Search

File name: SYO:SBLK2
Comments: SBLK2 EXTR03
Scan Number: 494
Background Scans * 1.00 488
Retention time: 5.88 min.
Date: 07-MAY-92 Time: 15:33:28

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.655
C6H1403 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.646
C8H1803 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.583
C8H1804 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 14211
C.A.S 112-15-2
Fit 0.559
C8H1604 176 Ethanol, 2-(2-ethoxyethoxy)-, acetate

Rank 5 Spectrum 3147
C.A.S 1569-01-3
Fit 0.483
C6H1402 118 2-Propanol, 1-propoxy-

Rank 6 Spectrum 3140
C.A.S 3944-36-3
Fit 0.469
C6H1402 118 2-Propanol, 1-(1-methylethoxy)-

Rank 7 Spectrum 1725
C.A.S 19089-47-5
Fit 0.435
C5H1202 104 1-Propanol, 2-ethoxy-

Rank 8 Spectrum 3102
C.A.S 29006-02-8
Fit 0.424
C5H1003 118 Butanoic acid, 4-methoxy-

Rank 9 Spectrum 11070
C.A.S 10143-32-5
Fit 0.391
C8H1803 162 2-Propanol, 1-(2-ethoxypropoxy)-

Rank 10 Spectrum 14212
C.A.S 294-93-9
Fit 0.390
C8H1604 176 12-CROWN-4

NISTEPA Forward Library Search TIC = 29612

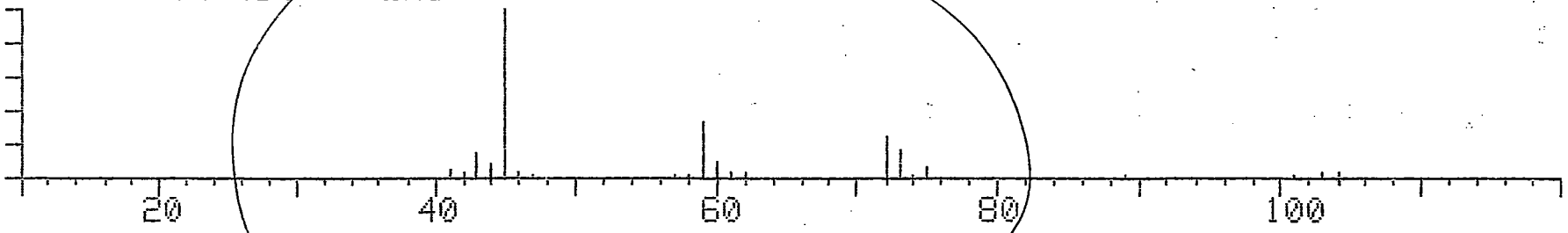
Injection Date: 07-MAY-92 Time: 15:33:28 100% = 12400

Filename: SY0:SBLK2

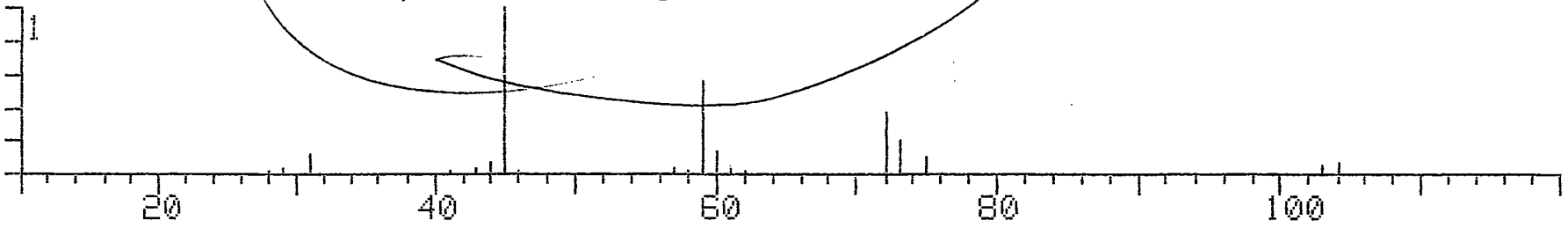
Comments:

SBLK2 EXTR03

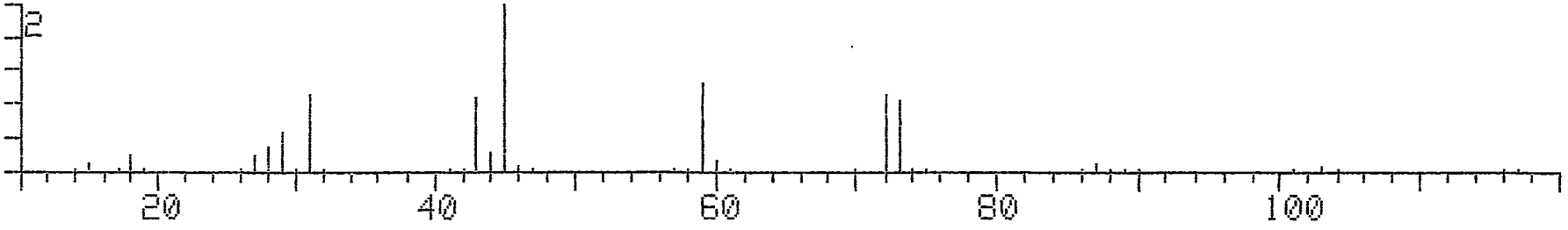
SCANS: 494-494 BKG * 1.00 488



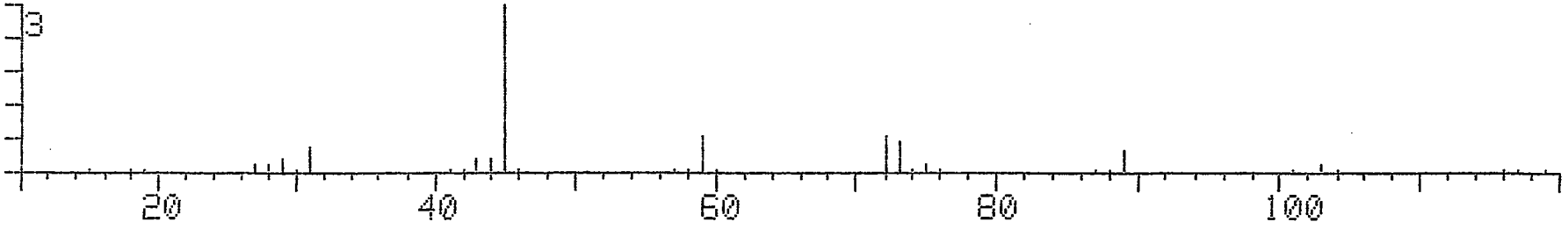
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.655 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.646 SP#/CAS# 11076/112-36-7

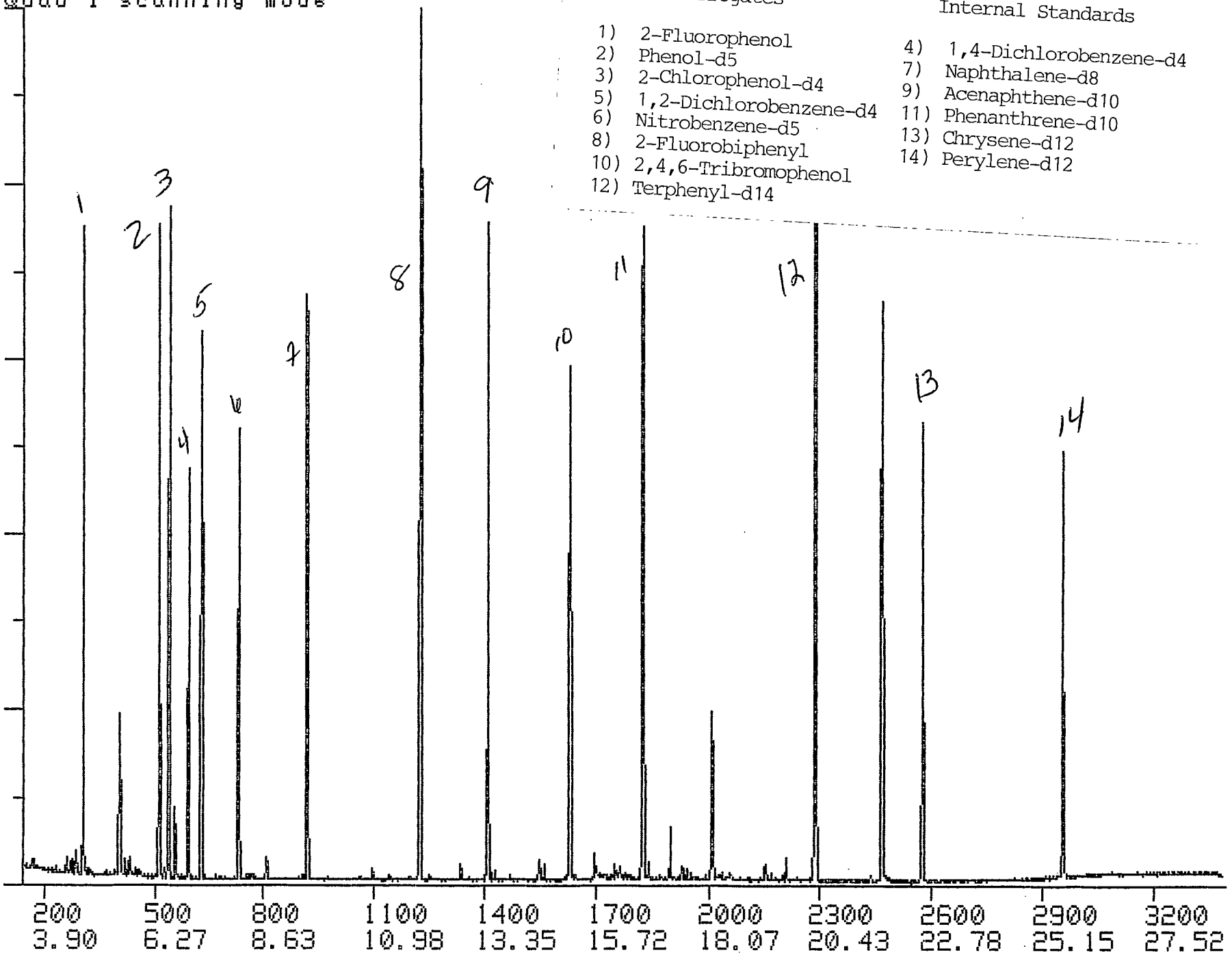


C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.583 SP#/CAS# 14577/112-50-5



000748

SY0:SBLK3 SBLK3 EXTR03 100%
15-MAY-92 15:17:34 162104
Total Ion Current
Quad 1 scanning mode



Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12

000752

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE=5/6	I.S. AREAS OK
EXTREL3 OP= SA	INITIAL AMT. = 30g	SURR REC.'S OK
DUO:[301, 7]	EXT VOL. = .5 ml	DILUTION= 5x.

Library used: SYO:CLP90
Data file name: SYO:SBLK3
Injection time: 15-MAY-92 15:17:34
Comments:
SBLK3 EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	7.02	595				STD	0.96	40.0	NG
2S	9.57	920				STD	0.77	40.0	NG
3S	13.40	1406				STD	0.90	40.0	NG
4S	16.70	1825				STD	0.92	40.0	NG
5S	22.62	2577				STD	0.80	40.0	NG
6S	25.57	2953				STD	0.96	40.0	NG
1T	Was Not Found								
2T	Was Not Found								
3T	Is Below Specified Detection Limit								
4T	Was Not Found								
5T	Was Not Found								
6T	Was Not Found								
7T	Was Not Found								
8T	Was Not Found								
9T	Was Not Found								
10T	8.10	734	70. / 152.	13615. / 44873.	1	0.62	14.6	NG	
11T	Was Not Found								
12T	Was Not Found								
13T	Was Not Found								
14T	Was Not Found								
15T	Was Not Found								
16T	Was Not Found								
17T	Was Not Found								
18T	Was Not Found								
19T	Was Not Found								
20T	Was Not Found								
21T	Was Not Found								
22T	Was Not Found								
23T	Was Not Found								
24T	Was Not Found								
25T	Was Not Found								
26T	Was Not Found								
27T	Was Not Found								
28T	Was Not Found								
29T	Was Not Found								
30T	Was Not Found								
31T	Was Not Found								
32T	Was Not Found								
33T	Was Not Found								
34T	Was Not Found								
35T	Was Not Found								
36T	Was Not Found								
37T	Was Not Found								
38T	14.48	1545	149. / 164.	693. / 129108.	3	0.60	0.3	NG	
39T	Was Not Found								
40T	Was Not Found								
41T	Was Not Found								
42T	Was Not Found								
43T	Was Not Found								
44T	Was Not Found								
45T	Was Not Found								
46T	Was Not Found								
47T	Was Not Found								
48T	Was Not Found								
49T	Was Not Found								
50T	18.17	2012	149. / 188.	65675. / 210664.	4	0.88	14.6	NG	

TH 5/18/92

51T	Was Not Found								
52T	Was Not Found								
53T	Was Not Found								
54T	Was Not Found								
55T	Was Not Found								
56T	Was Not Found								
57T	Was Not Found								
58T	Was Not Found								
59T	Was Not Found								
60T	Was Not Found								
61T	Was Not Found								
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	8.10	734	82. / 136.	95850. /	209200.	2	1.00	65.5	NG
66T	11.97	1225	172. / 164.	228778. /	129108.	3	0.93	69.6	NG
67T	20.33	2288	244. / 240.	245718. /	152048.	5	0.73	82.8	NG
68T	6.37	514	99. / 152.	176074. /	44873.	1	0.90	99.1	NG
69T	4.73	305	112. / 152.	125072. /	44873.	1	0.84	92.2	NG
70T	15.15	1629	330. / 164.	39325. /	129108.	3	1.00	142.5	NG
71T	6.58	540	132. / 152.	132976. /	44873.	1	0.83	112.1	NG
72T	7.30	631	152. / 152.	60401. /	44873.	1	0.96	71.4	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
79T	12.17	1250	154 / 164	1454 /	129108.	3	0.80	95.8	NG
80T	Was Not Found								
81T	7.02	595	152. / 152.	44873. /	44873.	1	0.96	50.0	NG
82T	9.57	920	136. / 136.	209200. /	209200.	2	0.77	50.0	NG
83T	13.40	1406	164. / 164.	129108. /	129108.	3	0.90	50.0	NG
84T	16.70	1825	188. / 188.	210664. /	210664.	4	0.92	2232.1	NG
85T	22.62	2577	240. / 240.	152048. /	152048.	5	0.80	50.0	NG
86T	25.57	2953	264. / 264.	137246. /	137246.	6	0.96	50.0	NG

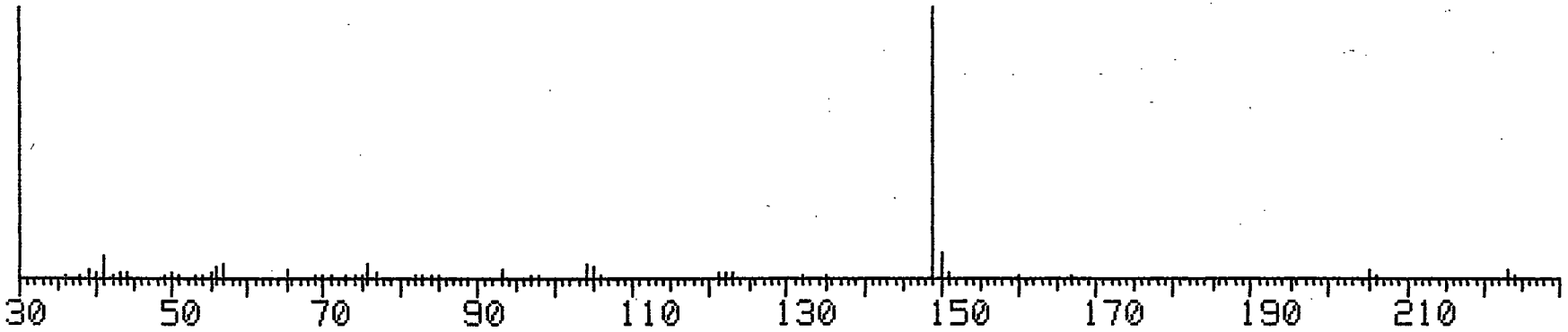
TLT 5/18/92

Extended Quantitation Report **EXTREL 3**

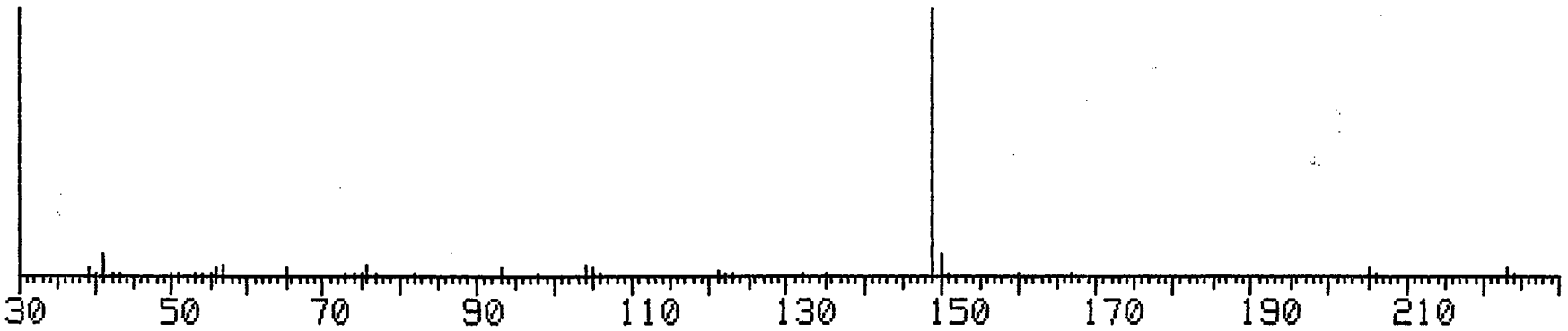
Library used: SYO:CLP90
Data file name: SYO:SBLK3
Injection time: 15-MAY-92 15:17:34

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
10T	1.154	70. / 152.	0.832	14.6	IA BB RF			1.00
38T	1.081	149. / 164.	0.852	0.3	IA BB RF			1.00
50T	1.088	149. / 188.	0.852	14.6	IA BB RF			1.00
65T	0.846	82. / 136.	0.280	65.5	IA BB RF			1.00
66T	0.893	172. / 164.	1.019	69.6	IA BB RF			1.00
67T	0.899	244. / 240.	0.781	82.8	IA BB RF			1.00
68T	0.907	99. / 152.	1.584	99.1	IA BV RF			1.00
69T	0.674	112. / 152.	1.209	92.2	IA BB RF			1.00
70T	1.131	330. / 164.	0.085	142.5	IA BB RF			1.00
71T	0.937	132. / 152.	1.058	112.1	IA VV RF			1.00
72T	1.040	152. / 152.	0.754	71.4	IA VB RF			1.00
79T	0.908	154. / 164.	0.005	95.8	IA VB RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA VV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.018	2232.1	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF			1.00

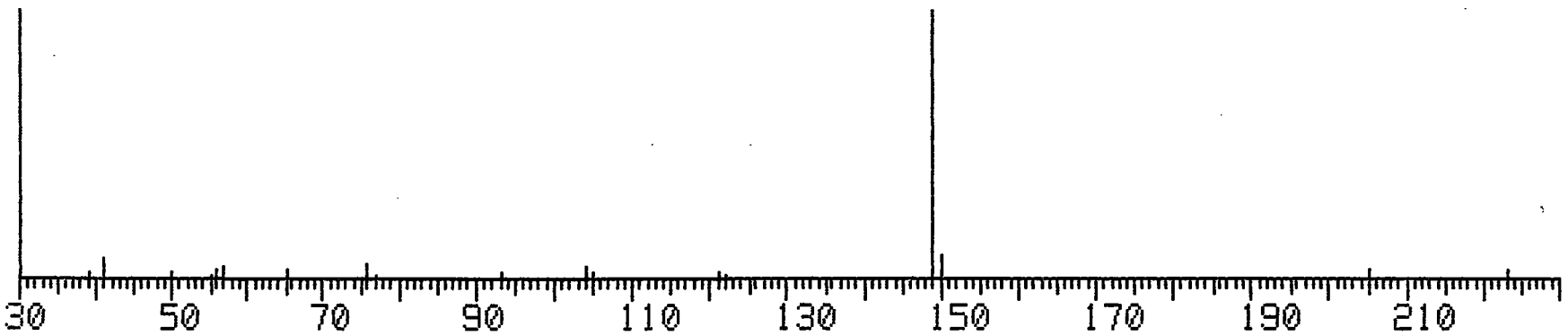
SY0:SBLK3 SBLK3 EXTR03 Total
15-MAY-92 15:17:34 Scan 2012 Time 18.17 min. 31927
100 % = 17321



SY0:SBLK3 SBLK3 EXTR03 Total
15-MAY-92 15:17:34 Scan 2012 Time 18.17 min. 30303
Bkg scan = 2005 100 % = 17321



Standard Reference Spectrum: Di-n-butylphthalate



000758

Peak Areas from TIC Chromatogram

EXTREL 3

Data File is SYO:SBLK3
Injection date: 15-MAY-92 15:17:34

#	Crest	Retn time	Type	Left limit	Right limit	Raw area	Rel. area(%)	Est. conc	Std
VOA ~~1~~	~~404~~	~~5.52~~	~~BV~~	~~-4~~	~~5~~	~~90550.~~	~~1.32~~	~~14.03~~	~~1~~
2	561	6.75	BB	-6	28	44810.	0.65	6.94	1
3	2468	21.75	BB	-8	23	411177.	6.00	44.97	5

TIC areas for associated internal standards:

Std.	Area	Conc.
1	258209.	40.
5	365695.	40.

NISTEPA Library Search

File name: SYO:SBLK3
Comments: SBLK3 EXTRO3
Scan Number: 561
Background Scans * 1.00 555
Retention time: 6.75 min.
Date: 15-MAY-92 Time: 15:17:34

Forward Search

Rank 1 Spectrum 5298
C.A.S 111-90-0
Fit 0.732
C6H1403 134 Ethanol, 2-(2-ethoxyethoxy)-

Rank 2 Spectrum 11076
C.A.S 112-36-7
Fit 0.669
C8H1803 162 Ethane, 1,1'-oxybis[2-ethoxy-

Rank 3 Spectrum 14577
C.A.S 112-50-5
Fit 0.557
C8H1804 178 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

Rank 4 Spectrum 3102
C.A.S 29006-02-8
Fit 0.482
C5H1003 118 Butanoic acid, 4-methoxy-

Rank 5 Spectrum 3140
C.A.S 3944-36-3
Fit 0.478
C6H1402 118 2-Propanol, 1-(1-methylethoxy)-

Rank 6 Spectrum 11070
C.A.S 10143-32-5
Fit 0.432
C8H1803 162 2-Propanol, 1-(2-ethoxypropoxy)-

Rank 7 Spectrum 3147
C.A.S 1569-01-3
Fit 0.430
C6H1402 118 2-Propanol, 1-propoxy-

Rank 8 Spectrum 29060
C.A.S 23778-52-1
Fit 0.375
C11H2406 252 2,5,8,11,14-Pentaoxahexadecan-16-ol

Rank 9 Spectrum 14212
C.A.S 294-93-9
Fit 0.374
C8H1604 176 12-CROWN-4

Rank 10 Spectrum 1725
C.A.S 19089-47-5
Fit 0.367
C5H1202 104 1-Propanol, 2-ethoxy-

NISTEPA Forward Library Search

Injection Date: 15-MAY-92 Time: 15:17:34

Filename: SY0:SBLK3

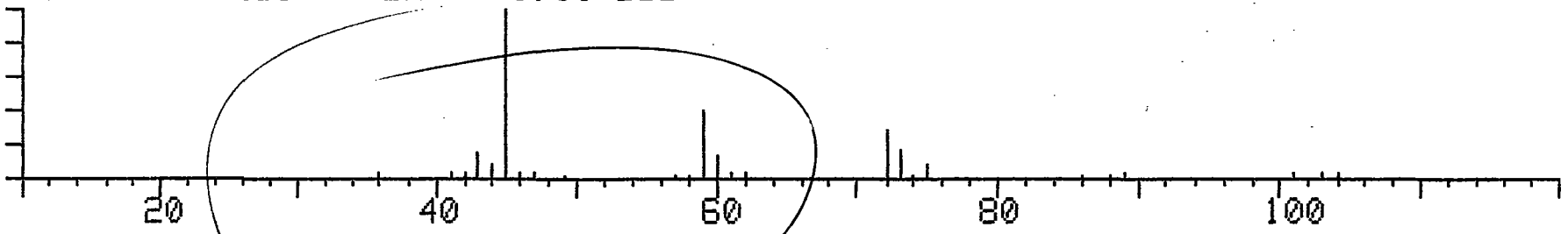
Comments:

SBLK3 EXTR03

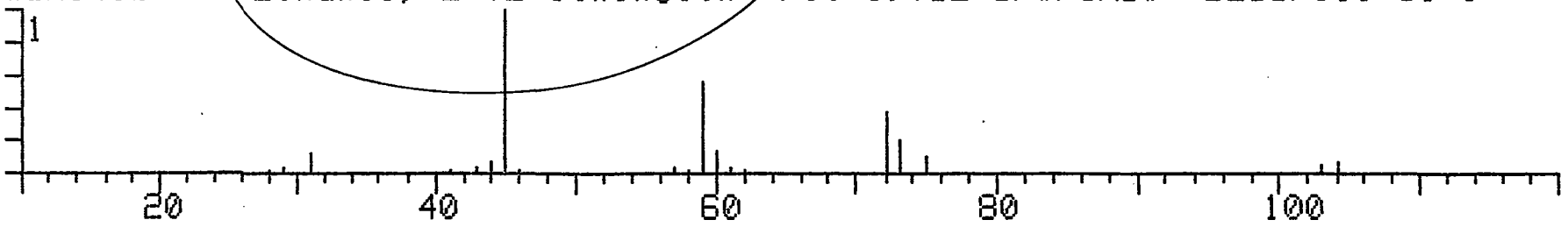
TIC = 13439

100% = 5104

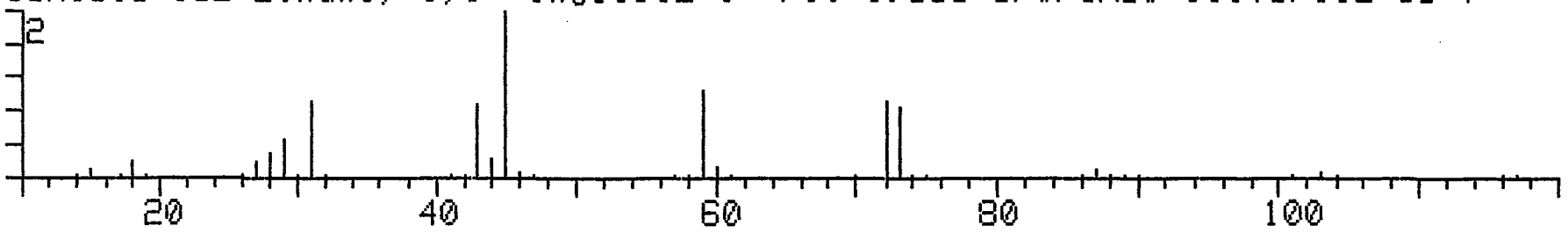
SCANS: 561-561 BKG * 1.00 555



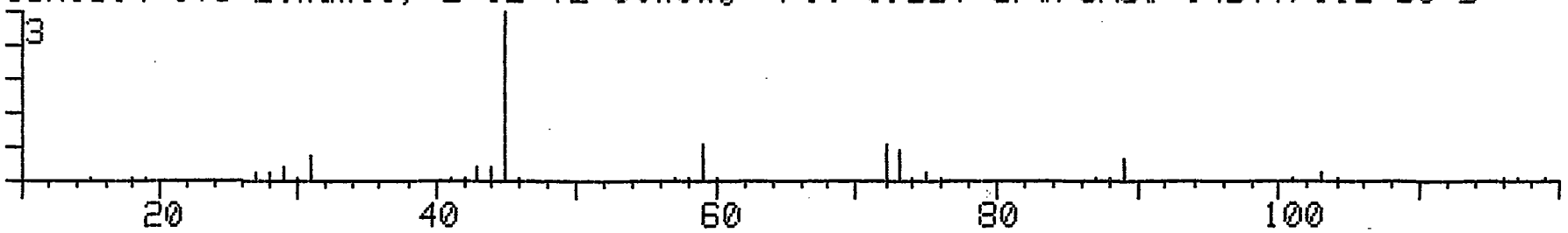
C6H1403 134 Ethanol, 2-(2-ethoxyeth Fit 0.732 SP#/CAS# 5298/111-90-0



C8H1803 162 Ethane, 1,1'-oxybis[2-e Fit 0.669 SP#/CAS# 11076/112-36-7



C8H1804 178 Ethanol, 2-[2-(2-ethoxy Fit 0.557 SP#/CAS# 14577/112-50-5



000761

NISTEPA Library Search

UNKNOWN

File name: SYO:SBLK3
Comments: SBLK3 EXTRO3
Scan Number: 2468
Background Scans * 1.00 2460
Retention time: 21.75 min.
Date: 15-MAY-92 Time: 15:17:34

ester

Forward Search

Rank 1 Spectrum 43935
C.A.S 123-79-5
Fit 0.692
C22H4204 370 Hexanedioic acid, dioctyl ester

Rank 2 Spectrum 30143
C.A.S 4337-65-9
Fit 0.683
C14H2604 258 Hexanedioic acid, mono(2-ethylhexyl)ester

Rank 3 Spectrum 38109
C.A.S 110-33-8
Fit 0.390
C18H3404 314 Hexanedioic acid, dihexyl ester

Rank 4 Spectrum 30142
C.A.S 141-04-8
Fit 0.383
C14H2604 258 Hexanedioic acid, bis(2-methylpropyl) ester

Rank 5 Spectrum 37613
C.A.S 849-99-0
Fit 0.369
C18H3004 310 Hexanedioic acid, dicyclohexyl ester

Rank 6 Spectrum 38114
C.A.S 55125-22-9
Fit 0.334
C18H3404 314 Hexanedioic acid, bis(1,3-dimethylbutyl) ester

Rank 7 Spectrum 30133
C.A.S 38447-22-2
Fit 0.315
C14H2604 258 Hexanedioic acid, bis(1-methylpropyl) ester

Rank 8 Spectrum 47319
C.A.S 3709-14-6
Fit 0.315
C14H2604Se2 418 Valeric acid, 5,5'-diselenobis[3,3-dimethyl-

Rank 9 Spectrum 25367
C.A.S 106-19-4
Fit 0.315
C12H2204 230 Hexanedioic acid, dipropyl ester

Rank 10 Spectrum 25359
C.A.S 6938-94-9
Fit 0.310
C12H2204 230 Hexanedioic acid, bis(1-methylethyl) ester

NISTEPA Forward Library Search

Injection Date: 15-MAY-92 Time: 15:17:34

Filename: SY0:SBLK3

Comments:

SBLK3 EXTR03

TIC = 107231

100% = 22016

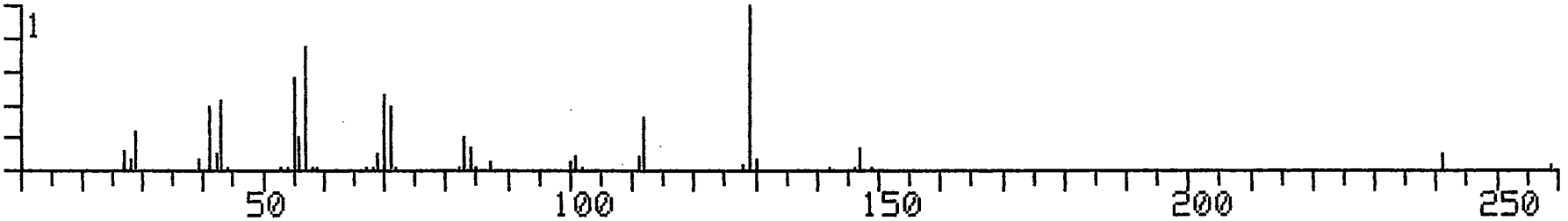
UNKNOWN

Ester

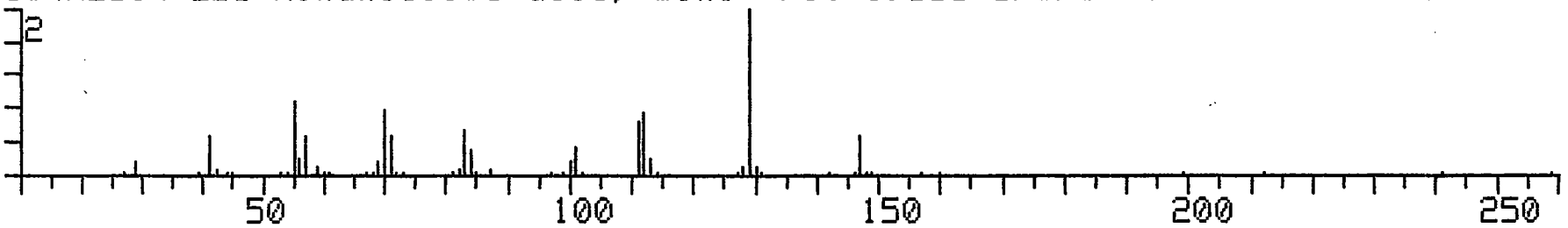
000763

SCANS: 2468-2468 BKG * 1.00 2460

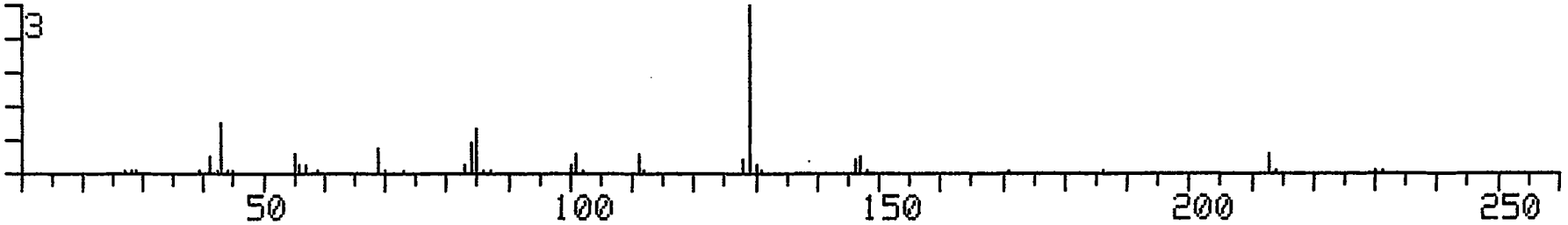
C22H4204 370 Hexanedioic acid, dioc Fit 0.692 SP#/CAS# 43935/123-79-5



C14H2604 258 Hexanedioic acid, mono Fit 0.683 SP#/CAS# 30143/4337-65-9



C18H3404 314 Hexanedioic acid, dihe Fit 0.390 SP#/CAS# 38109/110-33-8



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MS

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02MS

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600.	
111-44-4	bis(2-chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	1600.	
541-73-1	1,3-Dichlorobenzene	410.	U
10604-60-7	1,4-Dichlorobenzene	970.	
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	1200.	
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	1200.	
91-20-3	Naphthalene	41.	J
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	2100.	
91-57-6	2-Methylnaphthalene	92.	J
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	990.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	990.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	990.	U
83-32-9	Acenaphthene	1300.	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MS

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02MS

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

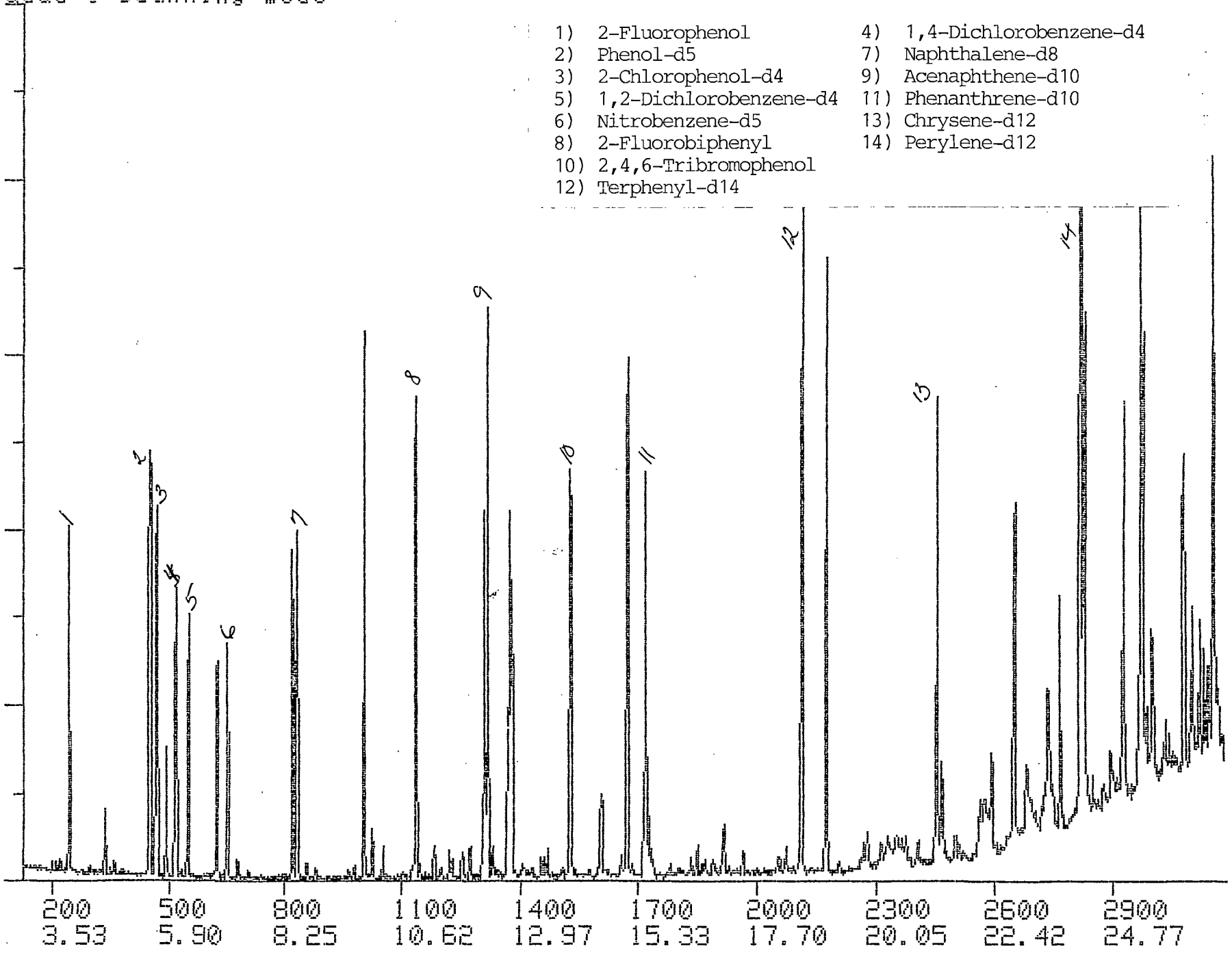
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990.	U
100-02-7	4-Nitrophenol	3300.	
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	1700.	
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	990.	U
534-52-1	4,6-Dinitro-2-methylphenol	990.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	3000.	
85-01-8	Phenanthrene	120.	J
120-12-7	Anthracene	410.	U
86-74-8	Carbazole	410.	U
84-74-2	Di-n-butylphthalate	64.	JB
206-44-0	Fluoranthene	24.	J
129-00-0	Pyrene	1300.	
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U
56-55-3	Benzo(a)anthracene	410.	U
218-01-9	Chrysene	22.	J
117-81-7	bis(2-ethylhexyl)phthalate	24.	JB
117-84-0	Di-n-Octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	410.	U
207-08-9	Benzo(k)fluoranthene	410.	U
50-32-8	Benzo(a)pyrene	410.	U
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	410.	U

(1) - Cannot be separated from Diphenylamine

000765

SY0:EQK02MS EQK02MS EXTR03 100%
08-MAY-92 18:06:18 149094
Total Ion Current
Quad 1 scanning mode

Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	



000766

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS OK
EXTREL3 OP=34	INITIAL AMT. = 30g	SURR REC.'S OK
DUO:[301,4]	EXT VOL. = .5ml	DILUTION= 1

Library used: SYO:CLP90
Data file name: SYO:EQK02MS
Injection time: 08-MAY-92 18:06:18
Comments:
EQK02MS EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.03	518					STD	0.96	40.0	NG
2S	8.52	833					STD	1.00	40.0	NG
3S	12.25	1308					STD	1.00	40.0	NG
4S	15.47	1717					STD	0.96	40.0	NG
5S	21.27	2455					STD	0.92	40.0	NG
6S	24.18	2825					STD	1.00	40.0	NG
1T	5.52	452	94. /	152.	79692. /	21764.	1	0.95	76.4	NG
2T	Was Not Found									
3T	5.65	469	128. /	152.	58296. /	21764.	1	0.96	76.4	NG
4T	~~6.07~~	~~522~~	~~146. /~~	~~152.~~	~~39553. /~~	~~21764.~~	~~1~~	~~0.88~~	~~47.7~~	~~NG~~
5T	6.07	522	146. /	152.	39553. /	21764.	1	1.00	47.3	NG
6T	~~6.07~~	~~522~~	~~146. /~~	~~152.~~	~~39553. /~~	~~21764.~~	~~1~~	~~0.96~~	~~52.9~~	~~NG~~
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	6.88	626	70. /	152.	34939. /	21764.	1	0.93	59.2	NG
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	8.43	822	180. /	136.	39524. /	102813.	2	0.92	55.8	NG
19T	8.55	838	128. /	136.	4712. /	102813.	2	0.95	2.0	NG
20T	Was Not Found									
21T	Was Not Found									
22T	9.82	999	107. /	136.	85770. /	102813.	2	1.00	103.3	NG
23T	10.03	1026	142. /	136.	7265. /	102813.	2	1.00	4.5	NG
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	~~12.25~~	~~1308~~	~~165. /~~	~~164.~~	~~8407. /~~	~~65432.~~	~~3~~	~~0.58~~	~~26.4~~	~~NG~~
32T	Was Not Found									
33T	12.32	1317	153. /	164.	99542. /	65432.	3	1.00	65.6	NG
34T	Was Not Found									
35T	12.75	1371	109. /	164.	34915. /	65432.	3	0.86	161.3	NG
36T	Was Not Found									
37T	12.78	1376	165. /	164.	38507. /	65432.	3	1.00	83.6	NG
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	15.10	1671	266. /	188.	43952. /	126048.	4	0.94	144.0	NG
47T	15.52	1723	178. /	188.	15910. /	126048.	4	1.00	6.0	NG
48T	~~15.52~~	~~1723~~	~~178. /~~	~~188.~~	~~15910. /~~	~~126048.~~	~~4~~	~~0.92~~	~~6.0~~	~~NG~~
49T	Was Not Found									
50T	17.00	1913	149. /	188.	9052. /	126048.	4	0.77	3.1	NG

EXTREL 3

18.12 2053 3221 / 126048 1.2

51T	Is Below Specified Detection Limit									
52T	18.60	2115	202. /	240.	242288. /	128448.	5	0.94	64.1	NG
53T	Was Not Found									
54T	Was Not Found									
55T	Was Not Found									
56T	21.32	2461	228. /	240.	3177. /	128448.	5	0.88	1.1	NG
57T	21.62	2499	149. /	240.	2426. /	128448.	5	0.73	1.2	NG
58T	Was Not Found									
59T	~~23.45~~	~~2733~~	~~252. /~~	~~264.~~	~~2952. /~~	~~128093.~~	~~6~~	~~0.92~~	~~0.8~~	~~NG~~
60T	~~23.45~~	~~2733~~	~~252. /~~	~~264.~~	~~2952. /~~	~~128093.~~	~~6~~	~~0.75~~	~~1.1~~	~~NG~~
61T	~~23.97~~	~~2797~~	~~252. /~~	~~264.~~	~~2538. /~~	~~128093.~~	~~6~~	~~0.70~~	~~0.8~~	~~NG~~
62T	Was Not Found									
63T	Was Not Found									
64T	Was Not Found									
65T	7.10	653	82. /	136.	49714. /	102813.	2	1.00	61.3	NG
66T	10.88	1134	172. /	164.	108677. /	65432.	3	1.00	64.2	NG
67T	19.08	2177	244. /	240.	169642. /	128448.	5	0.93	73.1	NG
68T	5.50	449	99. /	152.	80524. /	21764.	1	0.76	83.3	NG
69T	3.88	244	112. /	152.	53972. /	21764.	1	0.96	74.7	NG
70T	13.97	1527	330. /	164.	30566. /	65432.	3	0.88	154.7	NG
71T	5.62	465	132. /	152.	57363. /	21764.	1	0.83	91.8	NG
72T	6.30	551	152. /	152.	25793. /	21764.	1	0.89	56.0	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	~~11.07~~	~~1157~~	~~154. /~~	~~164.~~	~~1697. /~~	~~65432.~~	~~3~~	~~0.70~~	~~220.7~~	~~NG~~
80T	Was Not Found									
81T	6.~~30~~03	~~551~~ 516	152. /	152.	~~25773.~~ /	21764.	1	0.96	59.3	NG
82T	8.52	833	136. /	136.	102813. /	102813.	2	1.00	50.0	NG
83T	12.25	1308	164. /	164.	65432. /	65432.	3	0.93	50.0	NG
84T	15.47	1717	188. /	188.	126048. /	126048.	4	0.96	50.0	NG
85T	21.27	2455	240. /	240.	128448. /	128448.	5	0.92	50.0	NG
86T	24.18	2825	264. /	264.	128093. /	128093.	6	1.00	50.0	NG

Crossouts 5/15/92 DH

Extended Quantitation Report

EXTREL 3

Library used: SYO:CLP90
Data file name: SYO:EQK02MS
Injection time: 08-MAY-92 18:06:18

No	RRT	Tmass/Smass	Res fac	Conc	Ty	Pk	Mq	Ave	S.D.	624/625
1S				40.0						
2S				40.0						
3S				40.0						
4S				40.0						
5S				40.0						
6S				40.0						
1T	0.915	94. / 152.	1.918	76.4	IA	BV	RF			1.00
3T	0.937	128. / 152.	1.403	76.4	IA	BB	RF			1.00
4T	1.007	146. / 152.	1.519	47.9	IA	BB	RF			1.00
5T	1.007	146. / 152.	1.538	47.3	IA	BB	RF			1.00
6T	1.007	146. / 152.	1.375	52.9	IA	BB	RF			1.00
10T	1.141	70. / 152.	1.085	59.2	IA	BV	RF			1.00
18T	0.989	180. / 136.	0.275	55.8	IA	BB	RF			1.00
19T	1.004	128. / 136.	0.915	2.0	IA	BB	RF			1.00
22T	1.153	107. / 136.	0.323	103.3	IA	BB	RF			1.00
23T	1.177	142. / 136.	0.633	4.5	IA	VV	RF			1.00
31T	1.000	165. / 164.	0.194	26.4	IA	BB	RF			1.00
33T	1.006	153. / 164.	0.928	65.6	IA	BV	RF			1.00
35T	1.041	109. / 164.	0.132	161.3	IA	BB	RF			1.00
37T	1.043	165. / 164.	0.282	83.6	IA	BB	RF			1.00
46T	0.976	266. / 188.	0.097	144.0	IA	BB	RF			1.00
47T	1.003	178. / 188.	0.838	6.0	IA	BV	RF			1.00
48T	1.003	178. / 188.	0.844	6.0	IA	BV	RF			1.00
50T	1.099	149. / 188.	0.923	3.1	IA	BB	RF			1.00
52T	0.874	202. / 240.	1.177	64.1	IA	BV	RF			1.00
56T	1.002	228. / 240.	0.923	1.1	IA	VV	RF			1.00
57T	1.016	149. / 240.	0.656	1.2	IA	VV	RF			1.00
59T	0.970	252. / 264.	1.148	0.8	IA	BV	RF			1.00
60T	0.970	252. / 264.	0.855	1.1	IA	BV	RF			1.00
61T	0.991	252. / 264.	0.951	0.8	IA	BV	RF			1.00
65T	0.833	82. / 136.	0.315	61.3	IA	BB	RF			1.00
66T	0.888	172. / 164.	1.035	64.2	IA	BB	RF			1.00
67T	0.897	244. / 240.	0.723	73.1	IA	BB	RF			1.00
68T	0.912	99. / 152.	1.776	83.3	IA	BV	RF			1.00
69T	0.643	112. / 152.	1.328	74.7	IA	BB	RF			1.00
70T	1.140	330. / 164.	0.121	154.7	IA	BB	RF			1.00
71T	0.932	132. / 152.	1.149	91.8	IA	BB	RF			1.00
72T	1.045	152. / 152.	0.846	56.0	IA	VB	RF			1.00
79T	0.904	154. / 164.	0.005	220.7	IA	VB	RF			1.00
81T	1.045	152. / 152.	0.800	59.3	IA	VB	RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA	BB	RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA	BB	RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA	BV	RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA	BV	RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA	BV	RF			1.00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MS

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26MS

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
108-95-2	Phenol	51.	
111-44-4	bis(2-chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	53.	
541-73-1	1,3-Dichlorobenzene	10.	U
10604-60-7	1,4-Dichlorobenzene	34.	
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	38.	
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	37.	
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	58.	
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	42.	

000772

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MS

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26MS

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

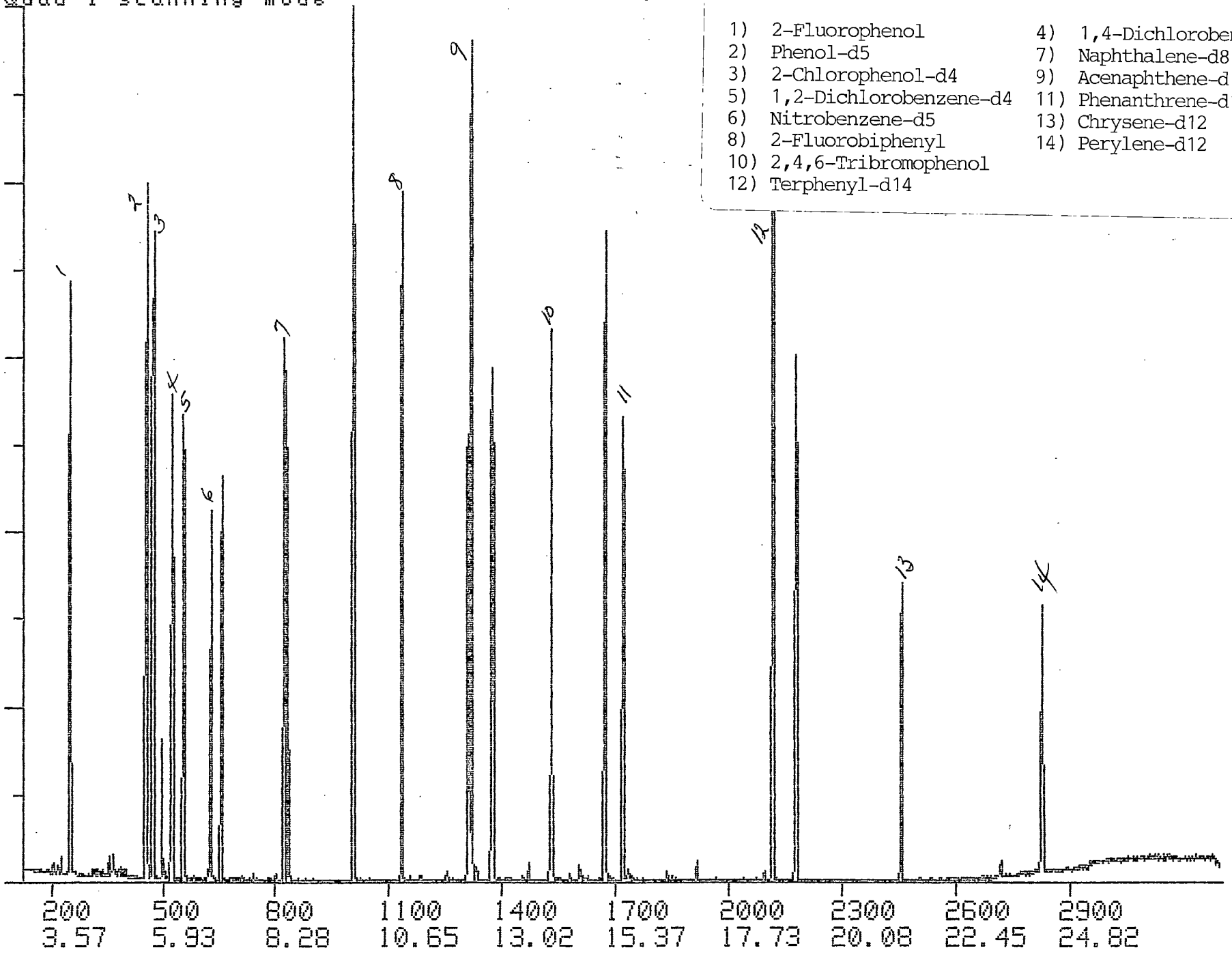
Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	77.	
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	48.	
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	82.	
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	0.9	JB
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	54.	
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

SY0:EQK26MS EQK26MS EXTR03 100%
07-MAY-92 13:12:30 139977
Total Ion Current
Quad 1 scanning mode



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000774

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 4/30	I.S. AREAS OK
EXTREL3 OP= JH	INITIAL AMT. = 1L	SURR REC.'S OK
DUO: [301,3]	EXT VOL. = 1mL	DILUTION= 5X

Library used: SYO:CLP90
Data file name: SYO:EQK26MS
Injection time: 07-MAY-92 13:12:30
Comments:
EQK26MS EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

EXTREL 3

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

EXTREL 3

1S	6.08	520					STD	0.96	40.0	NG
2S	8.57	835					STD	0.89	40.0	NG
3S	12.32	1311					STD	1.00	40.0	NG
4S	15.53	1720					STD	0.96	40.0	NG
5S	21.33	2458					STD	0.92	40.0	NG
6S	24.23	2827					STD	1.00	40.0	NG
1T	5.58	456	94. /	152.	125558. /	25703.	1	0.95	101.7	NG
2T	Was Not Found									
3T	5.72	473	128. /	152.	96498. /	25703.	1	0.84	106.7	NG
4T	6.12	524	146. /	152.	62408. /	25703.	1	0.80	68.0	NG
5T	6.12	524	146. /	152.	62408. /	25703.	1	0.92	67.5	NG
6T	6.12	524	146. /	152.	62408. /	25703.	1	1.00	73.5	NG
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	6.95	629	70. /	152.	55623. /	25703.	1	0.93	76.3	NG
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	8.48	824	180. /	136.	60070. /	122924.	2	0.96	75.0	NG
19T	Was Not Found									
20T	Was Not Found									
21T	Was Not Found									
22T	Was Not Found		9.93	1008	120211	/122924		.335	116.8	
23T	9.93	1008	142. /	136.	85664. /	122924.	2	0.66	44.6	NG
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	12.38	1320	152. /	164.	59664. /	70301.	3	0.52	22.7	NG
31T	12.32	1311	165. /	164.	9203. /	70301.	3	0.53	25.2	NG
32T	Was Not Found									
33T	12.38	1320	153. /	164.	136374. /	70301.	3	0.85	84.3	NG
34T	Was Not Found									
35T	12.80	1374	109. /	164.	41827. /	70301.	3	0.76	153.9	NG
36T	12.37	1318	168. /	164.	196. /	70301.	3	0.54	0.1	NG
37T	12.85	1379	165. /	164.	47311. /	70301.	3	0.85	95.5	NG
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	15.17	1673	266. /	188.	47072. /	119085.	4	1.00	163.1	NG
47T	Was Not Found									
48T	Was Not Found									
49T	Was Not Found									
50T	17.07	1915	149. /	188.	5154. /	119085.	4	0.88	1.8	NG

EXTREL 3

51T	Was Not Found								
52T	18.67	2118	202. / 240.	241836. /	76592.	5	0.94	107.1	NG
53T	Was Not Found								
54T	Was Not Found								
55T	Was Not Found								
56T	Was Not Found								
57T	Was Not Found								
58T	Was Not Found								
59T	Was Not Found								
60T	Was Not Found								
61T	Was Not Found								
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	7.15	656	82. / 136.	82500. /	122924.	2	1.00	82.2	NG
66T	10.93	1136	172. / 164.	144206. /	70301.	3	0.93	82.5	NG
67T	19.13	2179	244. / 240.	126708. /	76592.	5	1.00	94.8	NG
68T	5.55	452	99. / 152.	129248. /	25703.	1	0.61	113.1	NG
69T	3.95	248	112. / 152.	90215. /	25703.	1	0.96	106.1	NG
70T	14.03	1530	330. / 164.	32360. /	70301.	3	0.85	174.3	NG
71T	5.68	469	132. / 152.	90380. /	25703.	1	0.79	127.4	NG
72T	6.35	554	152. / 152.	38389. /	25703.	1	0.89	75.2	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
~~79T~~	~~11.12~~	~~1160~~	~~154. / 164.~~	~~1052. /~~	~~70301.~~	~~3~~	~~0.57~~	~~127.4~~	~~NG~~
80T	Was Not Found								
81T	6.~~35~~08	5~~54~~20	152. / 152.	~~38389. /~~	25703.	1	0.89	74.7	NG
82T	8.57	835	136. / 136.	122924. /	122924.	2	0.89	50.0	NG
83T	12.32	1311	164. / 164.	70301. /	70301.	3	0.90	50.0	NG
84T	15.53	1720	188. / 188.	119085. /	119085.	4	0.96	50.0	NG
85T	21.33	2458	240. / 240.	76592. /	76592.	5	0.92	50.0	NG
86T	24.23	2827	264. / 264.	72698. /	72698.	6	1.00	50.0	NG

TH 5/19/92

Extended Quantitation Report **EXTREL 3**

Library used: SYO:CLP90
Data file name: SYO:EQK26MS
Injection time: 07-MAY-92 13:12:30

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.918	94. / 152.	1.921	101.7	IA BV RF			1.00
3T	0.941	128. / 152.	1.407	106.7	IA BB RF			1.00
4T	1.007	146. / 152.	1.429	68.0	IA BB RF			1.00
5T	1.007	146. / 152.	1.439	67.5	IA BB RF			1.00
6T	1.007	146. / 152.	1.321	73.5	IA BB RF			1.00
10T	1.143	70. / 152.	1.134	76.3	IA BV RF			1.00
18T	0.989	180. / 136.	0.261	75.0	IA BB RF			1.00
23T	1.159	142. / 136.	0.625	44.6	IA BB RF			1.00
30T	1.005	152. / 164.	1.492	22.7	IA BB RF			1.00
31T	1.000	165. / 164.	0.208	25.2	IA BB RF			1.00
33T	1.005	153. / 164.	0.921	84.3	IA BV RF			1.00
35T	1.039	109. / 164.	0.155	153.9	IA BB RF			1.00
36T	1.004	168. / 164.	1.410	0.1	IA BB RF			1.00
37T	1.043	165. / 164.	0.282	95.5	IA BB RF			1.00
46T	0.977	266. / 188.	0.097	163.1	IA BB RF			1.00
50T	1.099	149. / 188.	0.942	1.8	IA BB RF			1.00
52T	0.875	202. / 240.	1.180	107.1	IA BV RF			1.00
65T	0.834	82. / 136.	0.327	82.2	IA BB RF			1.00
66T	0.887	172. / 164.	0.994	82.5	IA BB RF			1.00
67T	0.897	244. / 240.	0.698	94.8	IA BB RF			1.00
68T	0.913	99. / 152.	1.779	113.1	IA BV RF			1.00
69T	0.650	112. / 152.	1.323	106.1	IA BB RF			1.00
70T	1.139	330. / 164.	0.106	174.3	IA BB RF			1.00
71T	0.934	132. / 152.	1.104	127.4	IA BV RF			1.00
72T	1.044	152. / 152.	0.795	75.2	IA VB RF			1.00
79T	0.903	154. / 164.	0.005	127.4	IA VB RF			1.00
81T	1.044	152. / 152.	0.800	74.7	IA VB RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF			1.00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MSD

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02MD

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500.	
111-44-4	bis(2-chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	1500.	
541-73-1	1,3-Dichlorobenzene	410.	U
10604-60-7	1,4-Dichlorobenzene	970.	
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	1200.	
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	1200.	
91-20-3	Naphthalene	39.	J
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	2100.	
91-57-6	2-Methylnaphthalene	90.	J
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	990.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	990.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	990.	U
83-32-9	Acenaphthene	1400.	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MSD

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02MD

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990.	U
100-02-7	4-Nitrophenol	3300.	
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	1800.	
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	990.	U
534-52-1	4,6-Dinitro-2-methylphenol	990.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	3000.	
85-01-8	Phenanthrene	120.	J
120-12-7	Anthracene	410.	U
86-74-8	Carbazole	410.	U
84-74-2	Di-n-butylphthalate	58.	JB
206-44-0	Fluoranthene	22.	J
129-00-0	Pyrene	1400.	
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U
56-55-3	Benzo(a)anthracene	410.	U
218-01-9	Chrysene	25.	J
117-81-7	bis(2-ethylhexyl)phthalate	30.	JB
117-84-0	Di-n-Octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	410.	U
207-08-9	Benzo(k)fluoranthene	410.	U
50-32-8	Benzo(a)pyrene	410.	U
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	410.	U

(1) - Cannot be separated from Diphenylamine

000781

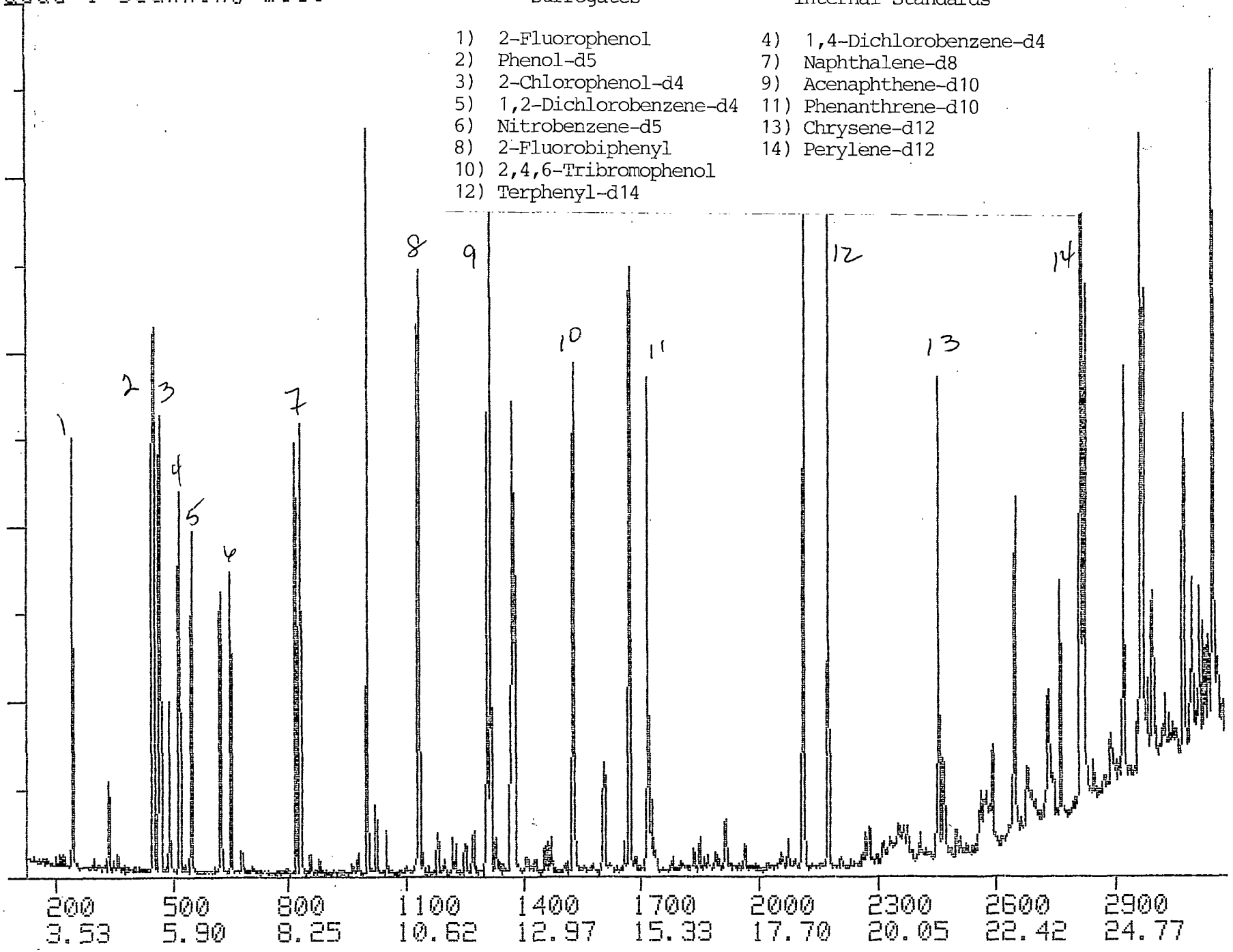
SY0:EQK02MD EQK02MSD EXTR03 100%
08-MAY-92 18:41:19 112116
Total Ion Current
Quad 1 scanning mode

Surrogates

1) 2-Fluorophenol
2) Phenol-d5
3) 2-Chlorophenol-d4
5) 1,2-Dichlorobenzene-d4
6) Nitrobenzene-d5
8) 2-Fluorobiphenyl
10) 2,4,6-Tribromophenol
12) Terphenyl-d14

Internal Standards

4) 1,4-Dichlorobenzene-d4
7) Naphthalene-d8
9) Acenaphthene-d10
11) Phenanthrene-d10
13) Chrysene-d12
14) Perylene-d12



000782

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 5/4	I.S. AREAS OK
EXTREL3 OP= JH	INITIAL AMT. = 30g	SURR REC.'S OK
DUO: [301, 4]	EXT VOL. = .5mL	DILUTION= 1

Library used: SYO:CLP90
Data file name: SYO:EQK02MD
Injection time: 08-MAY-92 18:41:19
Comments:
EQK02MSD EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.03	518				STD	0.96	40.0	NG
2S	8.52	833				STD	1.00	40.0	NG
3S	12.25	1308				STD	1.00	40.0	NG
4S	15.47	1717				STD	0.92	40.0	NG
5S	21.27	2455				STD	0.92	40.0	NG
6S	24.18	2825				STD	1.00	40.0	NG
1T	5.53	453	94. /	152.	76415. /	21285.	1	0.95	74.9	NG
2T	Was Not Found									
3T	5.67	470	128. /	152.	54625. /	21285.	1	0.84	73.2	NG
4T	~~6.07~~	~~522~~	~~146. /~~	~~152.~~	~~38506. /~~	~~21285.~~	~~1~~	~~1.00~~	~~47.6~~	~~NG~~
5T	6.07	522	146. /	152.	38506. /	21285.	1	0.96	47.0	NG
6T	~~6.07~~	~~522~~	~~146. /~~	~~152.~~	~~38506. /~~	~~21285.~~	~~1~~	~~1.00~~	~~52.6~~	~~NG~~
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	6.90	627	70. /	152.	32558. /	21285.	1	0.93	56.4	NG
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	8.43	822	180. /	136.	38069. /	98167.	2	0.92	56.3	NG
19T	8.55	838	128. /	136.	4276. /	98167.	2	0.95	1.9	NG
20T	Was Not Found									
21T	Was Not Found									
22T	9.82	999	107. /	136.	81944. /	98167.	2	0.72	103.4	NG
23T	10.03	1026	142. /	136.	6789. /	98167.	2	0.91	4.4	NG
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
30T	Was Not Found									
31T	~~12.25~~	~~1308~~	~~165. /~~	~~164.~~	~~7510. /~~	~~59095.~~	~~3~~	~~0.50~~	~~26.1~~	~~NG~~
32T	Was Not Found									
33T	12.32	1317	153. /	164.	93547. /	59095.	3	1.00	68.2	NG
34T	Was Not Found									
35T	12.75	1372	109. /	164.	31255. /	59095.	3	0.90	159.8	NG
36T	~~12.32~~	~~1316~~	~~168. /~~	~~164.~~	~~553. /~~	~~59095.~~	~~3~~	~~0.81~~	~~0.8~~	~~NG~~
37T	12.80	1377	165. /	164.	35776. /	59095.	3	1.00	86.0	NG
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	15.10	1671	266. /	188.	38889. /	111183.	4	1.00	144.4	NG
47T	15.52	1723	178. /	188.	13996. /	111183.	4	0.96	6.0	NG
48T	~~15.52~~	~~1723~~	~~178. /~~	~~188.~~	~~13996. /~~	~~111183.~~	~~4~~	~~0.96~~	~~6.0~~	~~NG~~
49T	Was Not Found									
50T	17.00	1913	149. /	188.	7283. /	111183.	4	0.77	2.8	NG

EXTREL 3

	18.10	2052			2623 /	111183			1.1	
51T	Is Below Specified Detection Limit									
52T	18.60	2115	202. /	240.	203810. /	98396.	5	0.94	70.4	NG
53T	Was Not Found									
54T	Was Not Found									
55T	Was Not Found									
56T	21.~~253~~	24~~83~~61	228. /	240.	2718 ~~1151~~. /	98396.	5	0.58	~~0.5~~	~~NG~~ 1.2
57T	21.63	2500	149. /	240.	2361. /	98396.	5	0.73	1.5	NG
58T	Was Not Found									
59T	~~23.45~~	~~2733~~	~~252. /~~	~~264.~~	~~3204. /~~	~~101503.~~	~~6~~	~~0.92~~	~~1.1~~	~~NG~~
60T	~~23.45~~	~~2733~~	~~252. /~~	~~264.~~	~~3204. /~~	~~101503.~~	~~6~~	~~0.72~~	~~1.5~~	~~NG~~
61T	~~23.97~~	~~2798~~	~~252. /~~	~~264.~~	~~1827. /~~	~~101503.~~	~~6~~	~~0.74~~	~~0.8~~	~~NG~~
62T	Was Not Found									
63T	Was Not Found									
64T	Was Not Found									
65T	7.10	654	82. /	136.	48738. /	98167.	2	1.00	63.0	NG
66T	10.88	1134	172. /	164.	104436. /	59095.	3	1.00	68.3	NG
67T	19.08	2176	244. /	240.	137373. /	98396.	5	1.00	77.3	NG
68T	5.50	449	99. /	152.	77132. /	21285.	1	0.85	81.6	NG
69T	3.88	244	112. /	152.	51103. /	21285.	1	0.96	72.3	NG
70T	13.97	1527	330. /	164.	28583. /	59095.	3	0.94	160.2	NG
71T	5.63	466	132. /	152.	55415. /	21285.	1	0.88	90.7	NG
72T	6.30	552	152. /	152.	23380. /	21285.	1	0.92	51.9	NG
73T	Was Not Found									
74T	Was Not Found									
75T	Was Not Found									
76T	Was Not Found									
77T	Was Not Found									
78T	Was Not Found									
79T	~~11.07~~	~~1157~~	~~154. /~~	~~164.~~	~~1586. /~~	~~59095.~~	~~3~~	~~0.69~~	~~228.4~~	~~NG~~
80T	Was Not Found									
81T	6.~~30~~03	5~~52~~17	152. /	152.	~~23380.~~ /	21285.	1	0.96	54.9	NG
82T	8.52	833	136. /	136.	98167. /	98167.	2	1.00	50.0	NG
83T	12.25	1308	164. /	164.	59095. /	59095.	3	0.93	50.0	NG
84T	15.47	1717	188. /	168.	111183. /	111183.	4	0.92	50.0	NG
85T	21.27	2455	240. /	240.	98396. /	98396.	5	0.92	50.0	NG
86T	24.18	2825	264. /	264.	101503. /	101503.	6	1.00	50.0	NG

Crossouts
5/15/92

Extended Quantitation Report

EXTREL 3

Library used: SYO:CLP90
Data file name: SYO:EQK02MD
Injection time: 08-MAY-92 18:41:19

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.917	94. / 152.	1.918	74.9	IA BV RF			1.00
3T	0.940	128. / 152.	1.403	73.2	IA BB RF			1.00
4T	1.007	146. / 152.	1.519	47.6	IA BB RF			1.00
5T	1.007	146. / 152.	1.538	47.0	IA BB RF			1.00
6T	1.007	146. / 152.	1.375	52.6	IA BB RF			1.00
10T	1.144	70. / 152.	1.085	56.4	IA BV RF			1.00
18T	0.989	180. / 136.	0.275	56.3	IA BB RF			1.00
19T	1.004	128. / 136.	0.915	1.9	IA BB RF			1.00
22T	1.153	107. / 136.	0.323	103.4	IA BB RF			1.00
23T	1.177	142. / 136.	0.633	4.4	IA VV RF			1.00
31T	1.000	165. / 164.	0.194	26.1	IA VV RF			1.00
33T	1.006	153. / 164.	0.928	68.2	IA BV RF			1.00
35T	1.041	109. / 164.	0.132	159.8	IA BB RF			1.00
36T	1.006	168. / 164.	1.388	0.3	IA BV RF			1.00
37T	1.045	165. / 164.	0.282	86.0	IA BB RF			1.00
46T	0.976	266. / 188.	0.097	144.4	IA BB RF			1.00
47T	1.003	178. / 188.	0.838	6.0	IA BB RF			1.00
48T	1.003	178. / 188.	0.844	6.0	IA BB RF			1.00
50T	1.099	149. / 188.	0.923	2.8	IA BB RF			1.00
52T	0.874	202. / 240.	1.177	70.4	IA BV RF			1.00
56T	0.999	228. / 240.	0.923	0.5	IA BV RF			1.00
57T	1.017	149. / 240.	0.656	1.5	IA VV RF			1.00
59T	0.970	252. / 264.	1.148	1.1	IA BV RF			1.00
60T	0.970	252. / 264.	0.855	1.5	IA BV RF			1.00
61T	0.991	252. / 264.	0.951	0.8	IA VV RF			1.00
65T	0.833	82. / 136.	0.315	63.0	IA BB RF			1.00
66T	0.888	172. / 164.	1.035	68.3	IA BB RF			1.00
67T	0.897	244. / 240.	0.723	77.3	IA BV RF			1.00
68T	0.912	99. / 152.	1.776	81.6	IA BV RF			1.00
69T	0.643	112. / 152.	1.328	72.3	IA BB RF			1.00
70T	1.140	330. / 164.	0.121	160.2	IA BB RF			1.00
71T	0.934	132. / 152.	1.149	90.7	IA BB RF			1.00
72T	1.045	152. / 152.	0.846	51.9	IA VB RF			1.00
79T	0.904	154. / 164.	0.005	228.4	IA VV RF			1.00
81T	1.045	152. / 152.	0.800	54.9	IA VB RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA BB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BV RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BV RF			1.00

QK02MD. QNT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MSD

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26MD

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
108-95-2	Phenol	56.	
111-44-4	bis(2-chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	55.	
541-73-1	1,3-Dichlorobenzene	10.	U
10604-60-7	1,4-Dichlorobenzene	37.	
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	40.	
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	39.	
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	61.	
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	43.	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MSD

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26MD

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	80.	
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	53.	
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	83.	
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	57.	
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

000790

SY0:EQK26MD EQK26MSD EXTR03

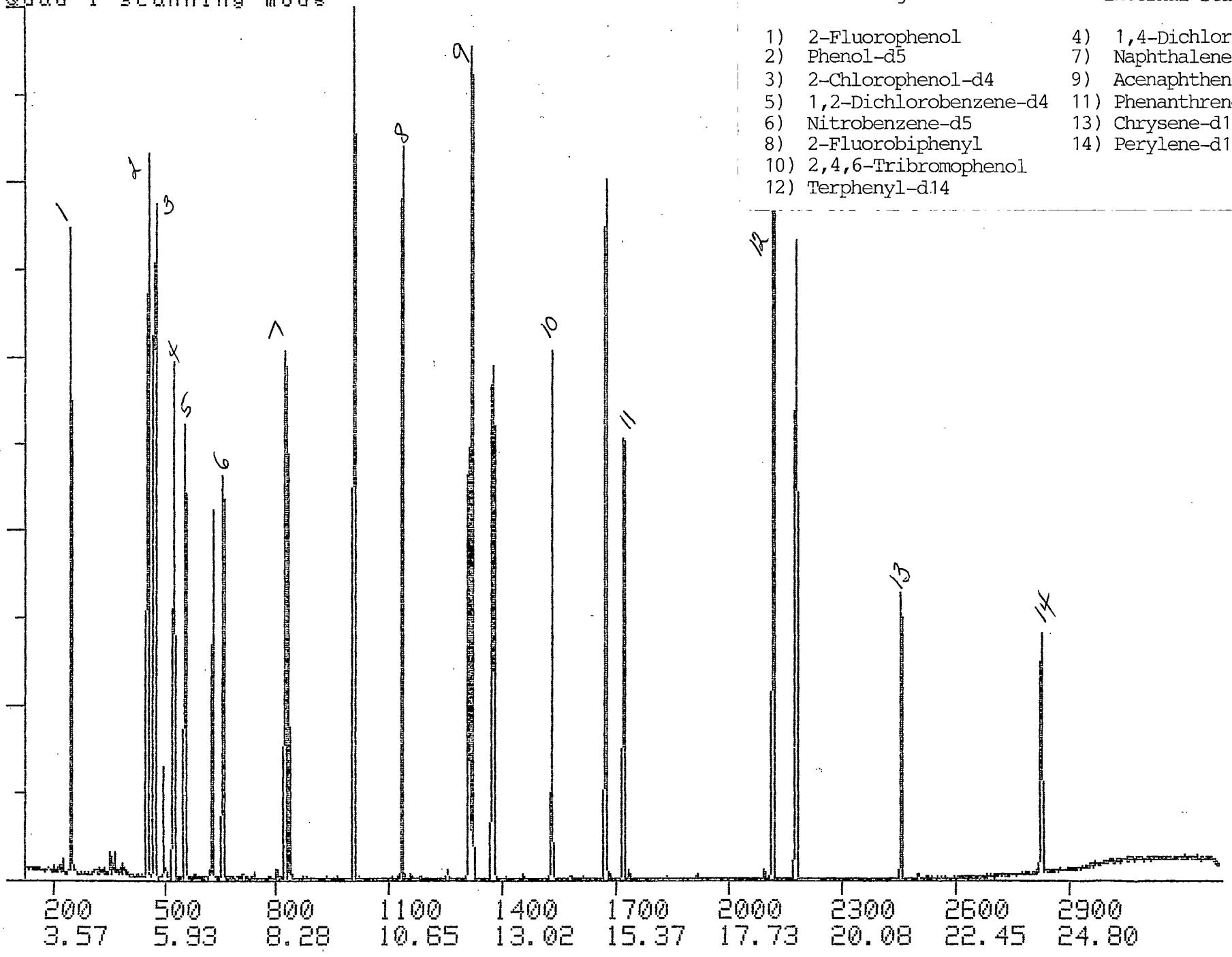
07-MAY-92 13:46:34

Total Ion Current

Quad 1 scanning mode

100%

138304



Surrogates	Internal Standards
1) 2-Fluorophenol	4) 1,4-Dichlorobenzene-d4
2) Phenol-d5	7) Naphthalene-d8
3) 2-Chlorophenol-d4	9) Acenaphthene-d10
5) 1,2-Dichlorobenzene-d4	11) Phenanthrene-d10
6) Nitrobenzene-d5	13) Chrysene-d12
8) 2-Fluorobiphenyl	14) Perylene-d12
10) 2,4,6-Tribromophenol	
12) Terphenyl-d14	

000791

WADSWORTH/ALERT LABORATORIES

RUN CONDITIONS:	SAMPLE INFORMATION:	CHECKLIST:
30M DB5.625	EXT DATE= 4/30	I.S. AREAS OK
EXTREL3 OP= JH	INITIAL AMT. = 1L	SURR REC.'S OK
DUO:[301,3]	EXT VOL. = 1mL	DILUTION= 5T

Library used: SYO:CLP90
Data file name: SYO:EQK26MD
Injection time: 07-MAY-92 13:46:34
Comments:
EQK26MSD EXTR03
Dilution factor: 1.00

Library entries as follows:

Standards:
1S 1,4-Dichlorobenzene-d4
2S Naphthalene-d8
3S Acenaphthene-d10
4S Phenanthrene-d10
5S Chrysene-d12
6S Perylene-d12

Targets:
1T Phenol
2T bis(2-Chloroethyl)ether
3T 2-Chlorophenol
4T 1,3-Dichlorobenzene
5T 1,4-Dichlorobenzene
6T 1,2-Dichlorobenzene
7T 2-Methylphenol
8T 2,2'-oxybis(1-Chloropropane)
9T 4-Methylphenol
10T N-Nitroso-di-n-propylamine
11T Hexachloroethane
12T Nitrobenzene
13T Isophorone
14T 2-Nitrophenol
15T 2,4-Dimethylphenol
16T bis(2-Chloroethoxy)methane
17T 2,4-Dichlorophenol
18T 1,2,4-Trichlorobenzene
19T Naphthalene
20T 4-Chloroaniline
21T Hexachlorobutadiene
22T 4-Chloro-3-methylphenol
23T 2-Methylnaphthalene
24T Hexachlorocyclopentadiene
25T 2,4,6-Trichlorophenol
26T 2,4,5-Trichlorophenol
27T 2-Chloronaphthalene
28T 2-Nitroaniline
29T Dimethylphthalate
30T Acenaphthylene
31T 2,6-Dinitrotoluene
32T 3-Nitroaniline
33T Acenaphthene

EXTREL 3

34T 2,4-Dinitrophenol
35T 4-Nitrophenol
36T Dibenzofuran
37T 2,4-Dinitrotoluene
38T Diethylphthalate
39T 4-Chlorophenyl-phenylether
40T Fluorene
41T 4-Nitroaniline
42T 4,6-Dinitro-2-methylphenol
43T N-Nitrosodiphenylamine (1)
44T 4-Bromophenyl-phenylether
45T Hexachlorobenzene
46T Pentachlorophenol
47T Phenanthrene
48T Anthracene
49T Carbazole
50T Di-n-butylphthalate
51T Fluoranthene
52T Pyrene
53T Butylbenzylphthalate
54T 3,3'-Dichlorobenzidine
55T Benzo(a)anthracene
56T Chrysene
57T bis(2-Ethylhexyl)phthalate
58T Di-n-octylphthalate
59T Benzo(b)fluoranthene
60T Benzo(k)fluoranthene
61T Benzo(a)pyrene
62T Indeno(1,2,3-cd)pyrene
63T Dibenz(a,h)anthracene
64T Benzo(g,h,i)perylene
65T Nitrobenzene-d5
66T 2-Fluorobiphenyl
67T Terphenyl-d14
68T Phenol-d5
69T 2-Fluorophenol
70T 2,4,6-Tribromophenol
71T 2-Chlorophenol-d4
72T 1,2-Dichlorobenzene-d4
73T N-Nitrosodimethylamine
74T Aniline
75T Benzyl alcohol
76T Benzoic acid
77T 1,2-Diphenylhydrazine (as azobenzene)
78T Benzidine
79T 1,1-Biphenyl
80T 1,2-bis(2-Chloroethoxy)ethane
81T 1,4-Dichlorobenzene-d4
82T Naphthalene-d8
83T Acenaphthene-d10
84T Phenanthrene-d10
85T Chrysene-d12
86T Perylene-d12

No.	Time	Scan	Tmass/Smass	Tarea/Sarea	Ref	Fit	Conc	Units

1S	6.08	520					STD	0.92	40.0	NG
2S	8.57	836					STD	1.00	40.0	NG
3S	12.32	1311					STD	1.00	40.0	NG
4S	15.53	1720					STD	0.96	40.0	NG
5S	21.33	2458					STD	0.92	40.0	NG
6S	24.23	2827					STD	0.96	40.0	NG
1T	5.58	456	94. /	152.	133748. /	24685.	1	0.90	112.8	NG
2T	Was Not Found									
3T	5.72	472	128. /	152.	96055. /	24685.	1	0.80	110.6	NG
~~4T~~	~~6.12~~	~~524~~	~~146. /~~	~~152.~~	~~64237. /~~	~~24685.~~	~~1~~	~~0.96~~	~~72.8~~	~~NG~~
5T	6.12	524	146. /	152.	65066. /	24685.	1	1.00	73.3	NG
~~6T~~	~~6.12~~	~~524~~	~~146. /~~	~~152.~~	~~64237. /~~	~~24685.~~	~~1~~	~~1.00~~	~~78.8~~	~~NG~~
7T	Was Not Found									
8T	Was Not Found									
9T	Was Not Found									
10T	6.95	630	70. /	152.	56262. /	24685.	1	0.93	80.4	NG
11T	Was Not Found									
12T	Was Not Found									
13T	Was Not Found									
14T	Was Not Found									
15T	Was Not Found									
16T	Was Not Found									
17T	Was Not Found									
18T	8.48	824	180. /	136.	59210. /	116093.	2	0.85	78.2	NG
19T	Was Not Found									
20T	Was Not Found									
21T	Was Not Found	9.92	1008		118556	116093	1.335		121.9	
22T	Was Not Found									
~~23T~~	~~9.92~~	~~1008~~	~~142. /~~	~~136.~~	~~85049. /~~	~~116093.~~	~~2~~	~~0.66~~	~~46.9~~	~~NG~~
24T	Was Not Found									
25T	Was Not Found									
26T	Was Not Found									
27T	Was Not Found									
28T	Was Not Found									
29T	Was Not Found									
~~30T~~	~~12.28~~	~~1320~~	~~152. /~~	~~164.~~	~~58508. /~~	~~66514.~~	~~3~~	~~0.52~~	~~23.6~~	~~NG~~
31T	Was Not Found									
32T	Was Not Found									
33T	12.38	1320	153. /	164.	132960. /	66514.	3	0.92	86.8	NG
34T	Was Not Found									
35T	12.80	1374	109. /	164.	41416. /	66514.	3	0.76	161.1	NG
36T	Was Not Found									
37T	12.85	1380	165. /	164.	49471. /	66514.	3	0.89	105.5	NG
38T	Was Not Found									
39T	Was Not Found									
40T	Was Not Found									
41T	Was Not Found									
42T	Was Not Found									
43T	Was Not Found									
44T	Was Not Found									
45T	Was Not Found									
46T	15.17	1674	266. /	188.	46631. /	116011.	4	0.94	165.8	NG
47T	Was Not Found									
48T	Was Not Found									
49T	Was Not Found									
50T	Was Not Found									

EXTREL 3

51T	Was Not Found								
52T	18.65	2118	202. / 240.	241214. /	71648.	5	0.94	114.2	NG
53T	Was Not Found								
54T	Was Not Found								
55T	Was Not Found								
56T	Was Not Found								
57T	Was Not Found								
58T	Was Not Found								
59T	Was Not Found								
60T	Was Not Found								
61T	Was Not Found								
62T	Was Not Found								
63T	Was Not Found								
64T	Was Not Found								
65T	7.15	656	82. / 136.	81073. /	116093.	2	0.93	85.6	NG
66T	10.93	1137	172. / 164.	144896. /	66514.	3	0.93	87.6	NG
67T	19.15	2180	244. / 240.	151926. /	71648.	5	1.00	121.5	NG
68T	5.55	452	99. / 152.	133915. /	24685.	1	0.85	122.0	NG
69T	3.93	246	112. / 152.	93954. /	24685.	1	0.96	115.1	NG
70T	14.03	1530	330. / 164.	33518. /	66514.	3	0.82	190.8	NG
71T	5.68	468	132. / 152.	92948. /	24685.	1	0.83	136.4	NG
72T	6.35	554	152. / 152.	38674. /	24685.	1	0.92	78.9	NG
73T	Was Not Found								
74T	Was Not Found								
75T	Was Not Found								
76T	Was Not Found								
77T	Was Not Found								
78T	Was Not Found								
~~79T~~	~~11.12~~	~~1160~~	~~154. / 164.~~	~~708. /~~	~~66514.~~	~~3~~	~~0.61~~	~~70.6~~	~~NG~~
80T	Was Not Found								
81T	6.08	520	152. / 152.	24685. /	24685.	1	0.92	50.0	NG
82T	8.57	836	136. / 136.	116093. /	116093.	2	1.00	50.0	NG
83T	12.32	1311	164. / 164.	66514. /	66514.	3	0.86	50.0	NG
84T	15.53	1720	188. / 188.	116011. /	116011.	4	0.96	50.0	NG
85T	21.33	2458	240. / 240.	71648. /	71648.	5	0.92	50.0	NG
86T	24.23	2827	264. / 264.	64354. /	64354.	6	0.96	50.0	NG

TH 5/19/92

Extended Quantitation Report

EXTREL 3

Library used: SYO:CLP90
Data file name: SYO:EQK26MD
Injection time: 07-MAY-92 13:46:34

No	RRT	Tmass/Smass	Res fac	Conc	Ty Pk Mq	Ave	S.D.	624/625
1S				40.0				
2S				40.0				
3S				40.0				
4S				40.0				
5S				40.0				
6S				40.0				
1T	0.918	94. / 152.	1.921	112.8	IA BV RF			1.00
3T	0.941	128. / 152.	1.407	110.6	IA BB RF			1.00
4T	1.007	146. / 152.	1.429	72.8	IA BB RF			1.00
5T	1.007	146. / 152.	1.439	73.3	IA BV RF			1.00
6T	1.007	146. / 152.	1.321	78.8	IA BB RF			1.00
10T	1.143	70. / 152.	1.134	80.4	IA BV RF			1.00
18T	0.989	180. / 136.	0.261	78.2	IA BB RF			1.00
23T	1.158	142. / 136.	0.625	46.9	IA BB RF			1.00
30T	1.005	152. / 164.	1.492	23.6	IA BB RF			1.00
33T	1.005	153. / 164.	0.921	86.8	IA BV RF			1.00
35T	1.039	109. / 164.	0.155	161.1	IA BB RF			1.00
37T	1.043	165. / 164.	0.282	105.5	IA BB RF			1.00
46T	0.977	266. / 188.	0.097	165.8	IA BB RF			1.00
52T	0.874	202. / 240.	1.180	114.2	IA BV RF			1.00
65T	0.834	82. / 136.	0.327	85.6	IA BV RF			1.00
66T	0.887	172. / 164.	0.994	87.6	IA BB RF			1.00
67T	0.898	244. / 240.	0.698	121.5	IA BB RF			1.00
68T	0.913	99. / 152.	1.779	122.0	IA BV RF			1.00
69T	0.646	112. / 152.	1.323	115.1	IA BB RF			1.00
70T	1.139	330. / 164.	0.106	190.8	IA BB RF			1.00
71T	0.934	132. / 152.	1.104	136.4	IA BB RF			1.00
72T	1.044	152. / 152.	0.795	78.9	IA VB RF			1.00
79T	0.903	154. / 164.	0.005	90.6	IA VB RF			1.00
81T	1.000	152. / 152.	0.800	50.0	IA VV RF			1.00
82T	1.000	136. / 136.	0.800	50.0	IA VB RF			1.00
83T	1.000	164. / 164.	0.800	50.0	IA BB RF			1.00
84T	1.000	188. / 188.	0.800	50.0	IA BV RF			1.00
85T	1.000	240. / 240.	0.800	50.0	IA BB RF			1.00
86T	1.000	264. / 264.	0.800	50.0	IA BB RF			1.00