U.S. Environmental Protection Agency Region V

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Lab Data Reference Sheet

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UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: 24 OCT 1988

SUBJECT: Review of Region 5 data for JOSTEN'S INC.

FROM: Curtis Ross, Director
Region 5 Central Regional Laboratory
by Thomas for

To: Data User:

Attached are the results for:

CRL Data Set Numbers: SF-5541
Sample Numbers: 88FM30 #23-28, D24 & R02
Parameter(s): ORGANICS - ABN
Laboratory: 5SCRL US EPA

Results Status:

( ) DATA ACCEPTABLE FOR USE*
(X) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

Detection limit for 4-nitrophenol may be biased low due to poor instrument response

If there are any questions regarding the data, refer them to DAVID PAYNE, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

S Griffin

U.S. EPA CENTRAL REGIONAL LAB

RECEIVED BY/DATE:

Comments:

cc: Contractor's Reprentative

Filed by/date:

2 of 2

DATA SET	SITE	DU/ACT.
SF-5541	JOSTEN'S INC.	Y905/ d76100

SAMPLES	PARAMETER(S)
88FM30 $23-28, D24, F02	ORGANICS - ABN

SAMPLED	RECEIVED	DUE	LAB
09/20/88	9/21/88	10/12/88	SSCRL-USEPA

SHIPPED	DATA RECEIVED	CONTRACT

TEAM LEADER	SECTION CHIEF	QC COORD.	DATA COORD.

Comments By Reviewer: please see page 3 of 3 [illegible]

DATA MANAGEMENT COORDINATOR

RECEIVED TRANSMITTED

( ) REVIEWED ( ) UNREVIEWED TEAM LEADER/DATE

( ) REVIEWED ( ) UNREVIEWED SECTION CHIEF/DATE

( ) REVIEWED ( ) UNREVIEWED QC COORDINATOR/DATE

CLERICAL SUPPORT

RECEIVED COMPLETED

REVIEWED BY CONTRACT COORDINATOR/DATE

RECEIVED 10/24/88 TRANSMITTED 10/24/88 DATA MANAGEMENT COORDINATOR Sylvia Griffin

SF-5541

Comments By Reviewer: (Babu 10/11/88)

1. The field blank (88FM30R02) was lost during the final stages of sample preparation since an analyst transferred the sample extract to a cracked glass vial. (Note: None of the field samples contained any pollutants, except for a common laboratory contaminant.)

2. Surrogate spike recoveries and Matrix Spike and Matrix Spike Duplicate recoveries are acceptable. Also, presicion among the field duplicates (88FM30S24 and 88FM30D24) is acceptable.

3. D10-Phenanthrene, instead of the d12-chrysene and d14-perylene, was used as an internal standard to perform quantitative analysis for the compounds eluting between 20.0 - 45.0 min. since the latter internal standards had lower area counts in samples compared to the toxic standards.

4. The overall quality of the data is acceptable, even though the GC/MS instrument did not meet the EPA tuning criteria for DFTPP - ion 127.

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: METHOD BLANK ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: METHOD BLANK ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
36.	51-28-5	2,4-DINITROPHENOL	(15)	U
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U
38.	86-73-7	FLUORENE	1.0	U
39.	100-02-7	4-NITROPHENOL	1.5	U
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U
41.	84-66-2	DIETHYL PHTHALATE	1.0	U
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U
	122-39-4	DIPHENYLAMINE *		
44.	100-01-6	4-NITROANILINE	3.0	U
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U
46.	118-74-1	HEXACHLOROBENZENE	1.5	U
47.	87-86-5	PENTACHLOROPHENOL	2.0	U
48.	85-01-8	PHENANTHRENE	1.0	U
49.	120-12-7	ANTHRACENE	2.5	U
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U
51.	206-44-0	FLUORANTHENE	1.5	U
52.	129-00-0	PYRENE	1.5	U
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U
55.	218-01-9	CHRYSENE **		
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	1.0	U
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U
59.	207-08-9	BENZO(K)FLUORANTHENE ***		
60.	50-32-8	BENZO(A)PYRENE	2.0	U
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U
64.	88-74-4	2-NITROANILINE	1.0	U

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
THE VALUE REPORTED IS THE METHOD DETECTION LIMIT.
J --- ESTIMATED VALUE.
SLC - SUSPECTED LABORATORY CONTAMINANT.
SFC - SUSPECTED FIELD CONTAMINANT.

* THESE TWO PARAMETERS ARE REPORTED AS A TOTAL.
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VALUES IN PARENTHESES ARE ESTIMATES. ACTUAL VALUES ARE BEING DETERMINED AT THIS TIME.

STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: METHOD BLANK

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S23 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S23 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
36.	51-28-5	2,4-DINITROPHENOL	(15)	U
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U
38.	86-73-7	FLUORENE	1.0	U
39.	100-02-7	4-NITROPHENOL	1.5	U
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U
41.	84-66-2	DIETHYL PHTHALATE	1.0	U
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U
	122-39-4	DIPHENYLAMINE *		
44.	100-01-6	4-NITROANILINE	3.0	U
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U
46.	118-74-1	HEXACHLOROBENZENE	1.5	U
47.	87-86-5	PENTACHLOROPHENOL	2.0	U
48.	85-01-8	PHENANTHRENE	1.0	U
49.	120-12-7	ANTHRACENE	2.5	U
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U
51.	206-44-0	FLUORANTHENE	1.5	U
52.	129-00-0	PYRENE	1.5	U
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U
55.	218-01-9	CHRYSENE **		
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	1.0	U
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U
59.	207-08-9	BENZO(K)FLUORANTHENE ***		
60.	50-32-8	BENZO(A)PYRENE	2.0	U
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U
64.	88-74-4	2-NITROANILINE	1.0	U

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
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STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S23

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S24 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S24 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
36.	51-28-5	2,4-DINITROPHENOL	(15)	U
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U
38.	86-73-7	FLUORENE	1.0	U
39.	100-02-7	4-NITROPHENOL	1.5	U
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U
41.	84-66-2	DIETHYL PHTHALATE	1.0	U
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U
	122-39-4	DIPHENYLAMINE *		
44.	100-01-6	4-NITROANILINE	3.0	U
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U
46.	118-74-1	HEXACHLOROBENZENE	1.5	U
47.	87-86-5	PENTACHLOROPHENOL	2.0	U
48.	85-01-8	PHENANTHRENE	1.0	U
49.	120-12-7	ANTHRACENE	2.5	U
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U
51.	206-44-0	FLUORANTHENE	1.5	U
52.	129-00-0	PYRENE	1.5	U
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U
55.	218-01-9	CHRYSENE **		
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	1.0	U
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U
59.	207-08-9	BENZO(K)FLUORANTHENE ***		
60.	50-32-8	BENZO(A)PYRENE	2.0	U
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U
64.	88-74-4	2-NITROANILINE	1.0	U

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
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STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S24

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30D24 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30D24 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
36.	51-28-5	2,4-DINITROPHENOL	(15)	U
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U
38.	86-73-7	FLUORENE	1.0	U
39.	100-02-7	4-NITROPHENOL	1.5	U
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U
41.	84-66-2	DIETHYL PHTHALATE	1.0	U
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U
	122-39-4	DIPHENYLAMINE *		
44.	100-01-6	4-NITROANILINE	3.0	U
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U
46.	118-74-1	HEXACHLOROBENZENE	1.5	U
47.	87-86-5	PENTACHLOROPHENOL	2.0	U
48.	85-01-8	PHENANTHRENE	1.0	U
49.	120-12-7	ANTHRACENE	2.5	U
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U
51.	206-44-0	FLUORANTHENE	1.5	U
52.	129-00-0	PYRENE	1.5	U
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U
55.	218-01-9	CHRYSENE **		
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	1.0	U
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U
59.	207-08-9	BENZO(K)FLUORANTHENE ***		
60.	50-32-8	BENZO(A)PYRENE	2.0	U
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U
64.	88-74-4	2-NITROANILINE	1.0	U

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
THE VALUE REPORTED IS THE METHOD DETECTION LIMIT.
J --- ESTIMATED VALUE.
SLC - SUSPECTED LABORATORY CONTAMINANT.
SFC - SUSPECTED FIELD CONTAMINANT.

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VALUES IN PARENTHESES ARE ESTIMATES. ACTUAL VALUES ARE BEING DETERMINED AT THIS TIME.

STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30D24

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S25 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S25 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
36.	51-28-5	2,4-DINITROPHENOL	(15)	U
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U
38.	86-73-7	FLUORENE	1.0	U
39.	100-02-7	4-NITROPHENOL	1.5	U
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U
41.	84-66-2	DIETHYL PHTHALATE	1.0	U
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U
	122-39-4	DIPHENYLAMINE *		
44.	100-01-6	4-NITROANILINE	3.0	U
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U
46.	118-74-1	HEXACHLOROBENZENE	1.5	U
47.	87-86-5	PENTACHLOROPHENOL	2.0	U
48.	85-01-8	PHENANTHRENE	1.0	U
49.	120-12-7	ANTHRACENE	2.5	U
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U
51.	206-44-0	FLUORANTHENE	1.5	U
52.	129-00-0	PYRENE	1.5	U
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U
55.	218-01-9	CHRYSENE **		
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE		2.4
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U
59.	207-08-9	BENZO(K)FLUORANTHENE ***		
60.	50-32-8	BENZO(A)PYRENE	2.0	U
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U
64.	88-74-4	2-NITROANILINE	1.0	U

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
THE VALUE REPORTED IS THE METHOD DETECTION LIMIT.
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SLC - SUSPECTED LABORATORY CONTAMINANT.
SFC - SUSPECTED FIELD CONTAMINANT.

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STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S25

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S26 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S26 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)		
36.	51-28-5	2,4-DINITROPHENOL	(15)	U	
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U	
38.	86-73-7	FLUORENE	1.0	U	
39.	100-02-7	4-NITROPHENOL	1.5	U	
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U	
41.	84-66-2	DIETHYL PHTHALATE	1.0	U	
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U	
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U	
	122-39-4	DIPHENYLAMINE *			
44.	100-01-6	4-NITROANILINE	3.0	U	
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U	
46.	118-74-1	HEXACHLOROBENZENE	1.5	U	
47.	87-86-5	PENTACHLOROPHENOL	2.0	U	
48.	85-01-8	PHENANTHRENE	1.0	U	
49.	120-12-7	ANTHRACENE	2.5	U	
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U	
51.	206-44-0	FLUORANTHENE	1.5	U	
52.	129-00-0	PYRENE	1.5	U	
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U	
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U	
55.	218-01-9	CHRYSENE **			
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE			1.2
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U	
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U	
59.	207-08-9	BENZO(K)FLUORANTHENE ***			
60.	50-32-8	BENZO(A)PYRENE	2.0	U	
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U	
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U	
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U	
64.	88-74-4	2-NITROANILINE	1.0	U	

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
THE VALUE REPORTED IS THE METHOD DETECTION LIMIT.
J --- ESTIMATED VALUE.
SLC - SUSPECTED LABORATORY CONTAMINANT.
SFC - SUSPECTED FIELD CONTAMINANT.

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STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S26

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S27 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S27 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)		
36.	51-28-5	2,4-DINITROPHENOL	(15)	U	
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U	
38.	86-73-7	FLUORENE	1.0	U	
39.	100-02-7	4-NITROPHENOL	1.5	U	
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U	
41.	84-66-2	DIETHYL PHTHALATE	1.0	U	
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U	
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U	
	122-39-4	DIPHENYLAMINE *			
44.	100-01-6	4-NITROANILINE	3.0	U	
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U	
46.	118-74-1	HEXACHLOROBENZENE	1.5	U	
47.	87-86-5	PENTACHLOROPHENOL	2.0	U	
48.	85-01-8	PHENANTHRENE	1.0	U	
49.	120-12-7	ANTHRACENE	2.5	U	
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U	
51.	206-44-0	FLUORANTHENE	1.5	U	
52.	129-00-0	PYRENE	1.5	U	
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U	
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U	
55.	218-01-9	CHRYSENE **			
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE			1.6
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U	
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U	
59.	207-08-9	BENZO(K)FLUORANTHENE ***			
60.	50-32-8	BENZO(A)PYRENE	2.0	U	
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U	
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U	
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U	
64.	88-74-4	2-NITROANILINE	1.0	U	

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
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STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S27

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

SEMIVOLATILES ORGANIC ANALYSIS DATA SHEET

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S28 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)	
1.	111-44-4	BIS(2-CHLOROETHYL)ETHER	1.5	U
2.	108-95-2	PHENOL	2.0	U
3.	95-57-8	2-CHLOROPHENOL	2.0	U
4.	541-73-1	1,3-DICHLOROBENZENE	2.0	U
5.	106-46-7	1,4-DICHLOROBENZENE	2.0	U
6.	95-50-1	1,2-DICHLOROBENZENE	2.5	U
7.	100-51-6	BENZYL ALCOHOL	2.0	U
8.	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	2.5	U
9.	95-48-7	2-METHYLPHENOL	1.0	U
10.	67-72-1	HEXACHLOROETHANE	2.0	U
11.	621-64-7	N-NITROSODIPROPYLAMINE	1.5	U
12.	98-95-3	NITROBENZENE	2.5	U
13.	106-44-5	4-METHYLPHENOL	1.0	U
14.	78-59-1	ISOPHORONE	2.5	U
15.	88-75-5	2-NITROPHENOL	2.0	U
16.	105-67-9	2,4-DIMETHYLPHENOL	2.0	U
17.	111-91-1	BIS(2-CHLOROETHOXY)METHANE	2.5	U
18.	120-83-2	2,4-DICHLOROPHENOL	2.0	U
19.	120-82-1	1,2,4-TRICHLOROBENZENE	2.0	U
20.	91-20-3	NAPHTHALENE	2.0	U
21.	106-47-8	4-CHLOROANILINE	2.0	U
22.	87-68-3	HEXACHLOROBUTADIENE	2.5	U
23.	65-85-0	BENZOIC ACID	(30)	U
24.	91-57-6	2-METHYLNAPHTHALENE	2.0	U
25.	59-50-7	4-CHLORO-3-METHYLPHENOL	1.5	U
26.	77-47-4	HEXACHLOROCYCLOPENTADIENE	2.0	U
27.	88-06-2	2,4,6-TRICHLOROPHENOL	1.5	U
28.	95-95-4	2,4,5-TRICHLOROPHENOL	1.5	U
29.	91-58-7	2-CHLORONAPHTHALENE	1.5	U
30.	208-96-8	ACENAPHTHYLENE	1.5	U
31.	131-11-3	DIMETHYL PHTHALATE	1.5	U
32.	606-20-2	2,6-DINITROTOLUENE	1.0	U
33.	83-32-9	ACENAPHTHENE	1.5	U
34.	99-09-2	3-NITROANILINE	2.5	U
35.	132-64-9	DIBENZOFURAN	1.0	U

STUDY NAME: JOSTEN'S INCORPORATED STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S28 ACTIVITY CODE: C76100

	CAS #	COMPOUND	CONCENTRATION (UG/L)		
36.	51-28-5	2,4-DINITROPHENOL	(15)	U	
37.	121-14-2	2,4-DINITROTOLUENE	1.0	U	
38.	86-73-7	FLUORENE	1.0	U	
39.	100-02-7	4-NITROPHENOL	1.5	U	
40.	7005-72-3	4-CHLOROPHENYLPHENYL ETHER	1.0	U	
41.	84-66-2	DIETHYL PHTHALATE	1.0	U	
42.	534-52-1	4,6-DINITRO-2-METHYLPHENOL	(15)	U	
43.	86-30-6	N-NITROSODIPHENYLAMINE *	1.5	U	
	122-39-4	DIPHENYLAMINE *			
44.	100-01-6	4-NITROANILINE	3.0	U	
45.	101-55-3	4-BROMOPHENYLPHENYL ETHER	1.5	U	
46.	118-74-1	HEXACHLOROBENZENE	1.5	U	
47.	87-86-5	PENTACHLOROPHENOL	2.0	U	
48.	85-01-8	PHENANTHRENE	1.0	U	
49.	120-12-7	ANTHRACENE	2.5	U	
50.	84-74-2	DI-N-BUTYL PHTHALATE	2.0	U	
51.	206-44-0	FLUORANTHENE	1.5	U	
52.	129-00-0	PYRENE	1.5	U	
53.	85-68-7	BUTYLBENZYL PHTHALATE	3.5	U	
54.	56-55-3	BENZO(A)ANTHRACENE **	1.5	U	
55.	218-01-9	CHRYSENE **			
56.	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE			1.0
57.	117-84-0	DI-N-OCTYL PHTHALATE	1.5	U	
58.	205-99-2	BENZO(B)FLUORANTHENE ***	1.5	U	
59.	207-08-9	BENZO(K)FLUORANTHENE ***			
60.	50-32-8	BENZO(A)PYRENE	2.0	U	
61.	193-39-5	INDENO(1,2,3-CD)PYRENE	3.5	U	
62.	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U	
63.	191-24-2	BENZO(GHI)PERYLENE	4.0	U	
64.	88-74-4	2-NITROANILINE	1.0	U	

CODES: U --- COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
THE VALUE REPORTED IS THE METHOD DETECTION LIMIT.
J --- ESTIMATED VALUE.
SLC - SUSPECTED LABORATORY CONTAMINANT.
SFC - SUSPECTED FIELD CONTAMINANT.

* THESE TWO PARAMETERS ARE REPORTED AS A TOTAL.
** THESE TWO PARAMETERS ARE REPORTED AS A TOTAL.
*** THESE TWO PARAMETERS ARE REPORTED AS A TOTAL.

VALUES IN PARENTHESES ARE ESTIMATES. ACTUAL VALUES ARE BEING DETERMINED AT THIS TIME.

STUDY NAME: JOSTEN'S INCORPORATED

STUDY NUMBER: SF-5541

LAB SAMPLE I.D. NO: 88FM30S28

ACTIVITY CODE: C76100

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED CONCENTRATION(UG/L)
NONE DETECTED	---

EXT 266

265

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

DIVISION/BRANCH SUPERFUND FIT SAMPLE DATE 9/20/88 LAB ARRIVAL DATE 9/21/88 DUE DATE 10/17/88

DU NUMBER Y905 C7010D DATA SET NUMBER 5541 STUDY Josten's Inc PRIORITY N CONTRACTOR CRL

CRL LOG NUMBER	SAMPLE DESCRIPTION Sample#	TAG#	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17574	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
88FM30B02	Blank	5-155646,47	✓			
88FM30523	RW1	5-155629,30, 31,33,32	✓			
88FM30524	RW2	5-155653,54	✓			
88FM30525	RW3	5-155667,68	✓			
88FM30526	RW4	5-155674,75	✓			
88FM30527	RW5	5-155681,82	✓			
88FM30528	RW6	5-155688,89	✓			
88FM30D24	duplicate	5-155660,61	✓			
88FM30B02	Blank	5-155648,49		✓ Not submitted for GC/MS analysis LOST		
88FM30523	RW1	5-155635,36, 37,38,39,40		✓		
88FM30524	RW2	5-155655,56		✓		
88FM30525	RW3	5-155669,70		✓		
88FM30526	RW4	5-155676,77		✓		
88FM30527	RW5	5-155683,84		✓		
88FM30528	RW6	5-155690,91		✓		
88FM30D24	duplicate	5-155662,63		✓		

Done 10/3/88 Balz

ATT. II SF-5541

QC SUMMARY REPORTS

1. Surrogate Recovery Data
2. MS/MSD Recovery Data
3. GC/MS Tuning Criteria DFTPP
4. Initial Calibration Data
5. Continuing Calibration Check Data
6. Internal Standard Area Summary

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name:5SCRL US EPA 312/353-9065 Contract:DU # Y905

Lab Code: CHICAGOILCase No.: SF-5541 SAS No.: JOSTEN SDG No.: C76100

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	METHODBLAN	59	61	83	47	63	82		0
02	88FM30S23	77	65	78	40	54	77		0
03	8FM30S23MS	84	72	76	42	57	96		0
04	8FM30S23MD	89	72	72	48	62	94		0
05	88FM30S24	90	71	84	41	59	100		0
06	88FM30D24	84	63	85	41	58	94		0
07	88FM30S25	75	63	85	51	61	111		0
08	88FM30S26	79	61	88	55	60	102		0
09	88FM30S27	86	67	81	43	61	88		0
10	88FM30S28	74	64	86	38	55	101		0
11									
12									
13									
14									
15									
16									
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27									
28									
29									
30									

NONE

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl-d14	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

FORM II SV-1 1/87 Rev.

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: 5SCRL US EPA 312/353-9065 Contract: DU # Y905

Lab Code: CHICAGOIL Case No.: SF-5541 SAS No.: JOSTEN SDG No.: C76100

Matrix Spike - EPA Sample No.: 88FM30S23

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	100.00	0.00	39.00	38	12- 89
2-Chlorophenol	100.00	0.00	81.00	81	27-123
1,4-Dichlorobenzene	100.00	0.00	76.00	75	36- 97
N-Nitroso-di-n-prop.(1)	⊗ 0.00	0.00	0.00	**** *	0- 0
1,2,4-Trichlorobenzene	100.00	0.00	88.00	88	39- 98
4-Chloro-3-methylphenol	100.00	0.00	76.00	75	23- 97
Acenaphthene	100.00	0.00	82.00	82	46-118
4-Nitrophenol	10.00	0.00	0.00	0 *	10- 80
2,4-Dinitrotoluene	100.00	0.00	53.00	53	24- 96
Pentachlorophenol	100.00	0.00	79.00	79	9-103
Pyrene	100.00	0.00	81.00	81	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100.00	44.00	43	12	42	12- 89
2-Chlorophenol	100.00	90.00	90	10	40	27-123
1,4-Dichlorobenzene	100.00	78.00	78	3	28	36- 97
N-Nitroso-di-n-prop.(1)	⊗ 0.00	0.00	**** *	0	200	0- 0
1,2,4-Trichlorobenzene	100.00	89.00	89	1	28	39- 98
4-Chloro-3-methylphenol	100.00	68.00	68	9	42	23- 97
Acenaphthene	100.00	86.00	85	3	31	46-118
4-Nitrophenol	10.00	0.00	0 *	0	200	10- 80
2,4-Dinitrotoluene	100.00	68.00	68	24	38	24- 96
Pentachlorophenol	100.00	86.00	85	7	50	9-103
Pyrene	100.00	77.00	76	6	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of qc limits

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits ; ⊗: Compound was not present in the CRL Standard.

COMMENTS:

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

.ab Name:5SCRL US EPA 312/353-9065 Contract:DU # Y905

.ab Code: CHICAGOIL Case No.: SF-5541 SAS No.: JOSTENS SDG No.: C76100

.ab File ID: >DFT21 DFTPP Injection Date: 9/29/88

nstrument ID: HP-5996 2 DFTPP Injection Time: 14:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	31.5
68	Less than 2.0% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	35.
70	Less than 2.0% of mass 69	.2(.6)1
127	40.0 - 60.0% of mass 198	22.2 ⊗
197	Less than 1.0% of mass 198	.4
198	Base Peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	5.8
275	10.0 - 30.0% of mass 198	24.7
365	Greater than 1.00% of mass 198	2.66
441	Present, but less than mass 443	9.7
442	Greater than 40.0% of mass 198	68.3
443	17.0 - 23.0% of mass 442	12.1(17.7)2

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

HIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	TOXSTD50PPM	TOXSTD 50PPM	>BP171	9/29/88	16:30
02	METHODBLANK	METHOD BLANK	>BP172	9/29/88	17:24
03	88FM30S23	88FM30S23	>BP173	9/29/88	18:19
04	8FM30S23MS	88FM30S23MS	>BP174	9/29/88	19:14
05	8FM30S23MD	88FM30S23MD	>BP175	9/29/88	20:08
06	88FM30S24	88FM30S24	>BP176	9/29/88	21:03
07	88FM30D24	88FM30D24	>BP177	9/29/88	21:57
08	88FM30S25	88FM30S25	>BP178	9/29/88	22:52
09	88FM30S26	88FM30S26	>BP179	9/29/88	23:47
10	88FM30S27	88FM30S27	>BP180	9/30/88	0:41
11	88FM30S28	88FM30S28	>BP181	9/30/88	1:37
12					
13					
14					
15	⊗ m/e 127 did not meet the EPA tuning criteria.				
16					
17					
18					
19					
20					
21					
22					

FORM V SV 1/87 Rev.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:5SCRL US EPA 312/353-9065 Contract:DU # Y905

Lab Code: CHICAGOIL Case No.: SF-5541 SAS No.: JOSTEN SDG No.: C76100

Instrument ID: 96 2 Calibration Date(s):09/16/88 10/01/88

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =>BP143 RRF50 =>BP142
RRF80 =>BP141 RRF120=>BP140 RRF160=>BP139

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.010	1.215	1.230	1.148	1.032	1.127	9.0*
bis(2-Chloroethyl)ether	1.019	1.146	1.184	1.129	.986	1.093	7.9
2-Chlorophenol	.989	1.064	1.053	.990	.824	.984	9.8
1,3-Dichlorobenzene	1.398	1.372	1.383	1.343	1.164	1.332	7.2
1,4-Dichlorobenzene *	1.421	1.483	1.456	1.394	1.198	1.391	8.1*
Benzyl alcohol	.524	.694	.678	.620	.561	.615	11.9
1,2-Dichlorobenzene	1.358	1.434	1.414	1.371	1.171	1.350	7.7
2-Methylphenol	.735	.882	.948	.900	.804	.854	9.8
bis(2-chloroisopropyl)ether	.402	.390	.368	.348	.303	.362	10.9
4-Methylphenol	.760	.934	.977	.926	.820	.883	10.2
N-Nitroso-di-n-propylamine #	1.017	1.055	1.037	.990	.879	.996	7.0#
Hexachloroethane	.628	.633	.624	.608	.507	.600	8.9
Nitrobenzene	.159	.149	.142	.142	.117	.142	10.9
Isophorone	.709	.702	.640	.623	.475	.630	15.0
2-Nitrophenol *	.128	.154	.163	.163	.138	.150	10.5*
2,4-Dimethylphenol	.207	.224	.195	.197	.169	.198	10.1
Benzoic acid	.061	.077	.113	.129	.115	.099	29.2
bis(2-Chloroethoxy)methane	.369	.359	.366	.358	.293	.349	9.1
2,4-Dichlorophenol *	.203	.261	.250	.243	.205	.232	11.5*
1,2,4-Trichlorobenzene	.393	.378	.364	.359	.293	.357	10.8
Naphthalene	.932	.938	.881	.871	.704	.865	11.0
4-Chloroaniline	.141	.144	.103	.110	.083	.116	22.2
Hexachlorobutadiene *	.429	.419	.387	.380	.311	.385	12.1*
4-Chloro-3-methylphenol *	.230	.272	.253	.251	.198	.241	11.8*
2-Methylnaphthalene	.625	.609	.577	.555	.462	.566	11.3
Hexachlorocyclopentadiene #	.538	.692	.778	.785	.694	.697	14.3#
2,4,6-Trichlorophenol *	.425	.473	.488	.496	.402	.457	9.0*
2,4,5-Trichlorophenol	.450	.464	.471	.481	.422	.458	5.0
2-Chloronaphthalene	1.084	1.223	1.161	1.127	.930	1.105	10.0
2-Nitroaniline	.164	.255	.304	.303	.266	.258	22.2
Dimethylphthalate	1.334	1.305	1.300	1.258	1.077	1.255	8.2
Acenaphthylene	1.804	1.843	1.730	1.669	1.342	1.678	11.9
2,6-Dinitrotoluene	.238	.290	.300	.307	.267	.280	10.0
3-Nitroaniline	.173	.161	.219	.202	.203	.191	12.5
Acenaphthene *	1.259	1.266	1.197	1.136	.958	1.163	10.9*
2,4-Dinitrophenol #	0.000	.077	.067	.108	.110	.090	24.0#
4-Nitrophenol #	.033	.026	.022	.074	.077	.046	58.7#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:5SCRL US EPA 312/353-9065 Contract:DU # Y905

Lab Code: CHICAGOIL Case No.: SF-5541 SAS No.: JOSTEN SDG No.: C76100

Instrument ID: 96 2 Calibration Date(s):09/16/88 10/01/88

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =>BP143 RRF50 =>BP142
RRF80 =>BP141 RRF120=>BP140 RRF160=>BP139

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	1.762	1.875	1.752	1.677	1.403	1.694	10.5
2,4-Dinitrotoluene	.217	.349	.401	.434	.367	.354	23.4
Diethylphthalate	1.305	1.364	1.287	1.263	1.060	1.256	9.2
4-Chlorophenyl-phenylether	.916	.929	.891	.859	.702	.859	10.7
Fluorene	1.337	1.416	1.337	1.260	1.041	1.278	11.2
4-Nitroaniline	0.000	.173	.179	.214	.205	.193	10.1
4,6-Dinitro-2-methylphenol	.035	.066	.089	.105	.101	.079	36.7
N-Nitrosodiphenylamine (1) *	.307	.270	.155	.133	.121	.197	43.4*
4-Bromophenyl-phenylether	.393	.414	.406	.378	.324	.383	9.3
Hexachlorobenzene	.794	.771	.743	.682	.609	.720	10.4
Pentachlorophenol *	.098	.240	.287	.312	.292	.246	35.3*
Phenanthrene	.986	.989	.967	.942	.819	.941	7.5
Anthracene	1.123	1.040	1.043	.999	.868	1.015	9.2
Di-n-butylphthalate	1.109	1.094	1.111	1.097	.972	1.076	5.5
Fluoranthene *	1.552	1.691	1.717	1.690	1.430	1.616	7.6*
Pyrene	1.696	1.830	1.859	1.808	1.494	1.737	8.6
Butylbenzylphthalate	.492	.615	.633	.608	.495	.569	12.1
Benzo(a)anthracene	.894	1.511	1.801	1.882	1.356	1.489	26.5
Chrysene	2.008	2.338	2.198	2.027	1.493	2.013	15.9
bis(2-Ethylhexyl)phthalate	.760	.892	.892	.818	.628	.798	13.8
Di-n-octylphthalate *	.784	1.338	1.385	1.315	.998	1.164	22.5*
Benzo(b)fluoranthene	1.064	1.016	1.267	1.130	1.021	1.100	9.5
Benzo(k)fluoranthene	1.226	1.894	1.708	1.626	1.098	1.510	22.2
Benzo(a)pyrene *	.815	1.165	1.203	1.184	.933	1.060	16.5*
Indeno(1,2,3-cd)pyrene	.525	.684	1.476	.922	.800	.881	41.2
Dibenzo(a,h)anthracene	.827	.887	1.083	1.144	.898	.968	14.2
Benzo(g,h,i)perylene	.788	1.093	1.166	1.208	1.005	1.052	15.8
Nitrobenzene-d5	.330	.338	.348	.348	.294	.332	6.8
2-Fluorobiphenyl	1.538	1.670	1.595	1.539	1.305	1.529	8.9
Terphenyl-d14	1.655	1.954	2.077	2.094	1.694	1.895	11.0
Phenol-d5	1.582	1.858	1.878	1.756	1.528	1.720	9.3
2-Fluorophenol	.840	1.105	1.064	1.069	.914	.998	11.5
2,4,6-Tribromophenol	.461	.511	.504	.518	.443	.488	6.8

(1) Cannot be separated from Diphenylamine

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:5SCRL US EPA 312/353-9065 Contract:DU # Y905

Lab Code: CHICAGOIL Case No.: SF-5541 SAS No.: JOSTEN SDG No.: C76100

Instrument ID: 96 2 Calibration Date: 9/29/88 Time: 16:30

Lab File ID: >BP171 Init. Calib. Date(s):09/16/88 | second

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Phenol *	1.127	1.137	.9	*
bis(2-Chloroethyl)ether	1.093	1.130	3.4	
2-Chlorophenol	.984	1.020	3.7	
1,3-Dichlorobenzene	1.332	1.460	9.6	
1,4-Dichlorobenzene *	1.391	1.493	7.3	*
Benzyl_alcohol	.615	.601	2.3	
1,2-Dichlorobenzene	1.350	1.470	8.9	
2-Methylphenol	.854	.894	4.7	
bis(2-chloroisopropyl)ether	.362	.357	1.4	
4-Methylphenol	.883	.915	3.6	
N-Nitroso-di-n-propylamine #	.996	1.027	3.2	#
Hexachloroethane	.600	.628	4.7	
Nitrobenzene	.142	.159	12.3	
Isophorone	.630	.706	12.1	
2-Nitrophenol *	.150	.166	11.0	*
2,4-Dimethylphenol	.198	.215	8.3	
Benzoic_acid	.099	.096	2.9	
bis(2-Chloroethoxy)methane	.349	.369	5.9	
2,4-Dichlorophenol *	.232	.279	20.1	*
1,2,4-Trichlorobenzene	.357	.429	19.9	
Naphthalene	.865	.959	10.9	
4-Chloroaniline	.116	.135	15.8	
Hexachlorobutadiene *	.385	.505	31.3	* (*)
4-Chloro-3-methylphenol *	.241	.264	9.5	*
2-Methylnaphthalene	.566	.623	10.2	
Hexachlorocyclopentadiene #	.697	1.030	47.7	#
2,4,6-Trichlorophenol *	.457	.559	22.3	*
2,4,5-Trichlorophenol	.458	.552	20.5	
2-Chloronaphthalene	1.105	1.289	16.7	
2-Nitroaniline	.258	.267	3.4	
Dimethylphthalate	1.255	1.343	7.1	
Acenaphthylene	1.678	1.773	5.7	
2,6-Dinitrotoluene	.280	.302	7.5	
3-Nitroaniline	.191	.205	7.2	
Acenaphthene *	1.163	1.238	6.4	*
2,4-Dinitrophenol #	.090	.081	10.5	#
4-Nitrophenol #	.046	.049	5.1	# (*)

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:5SCRL US EPA 312/353-9065 Contract:DU # Y905

Lab Code: CHICAGOIL Case No.: SF-5541 SAS No.: JOSTEN SDG No.: C76100

Instrument ID: 96 2 Calibration Date: 9/29/88 Time: 16:30

Lab File ID: >BP171 Init. Calib. Date(s):09/16/88 | second

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D		
Dibenzofuran	1.694	1.824	7.7		
2,4-Dinitrotoluene	.354	.397	12.3		
Diethylphthalate	1.256	1.362	8.4		
4-Chlorophenyl-phenylether	.859	.975	13.5		
Fluorene	1.278	1.376	7.6		
4-Nitroaniline	.193	.124	35.5		
4,6-Dinitro-2-methylphenol	.079	.084	6.5		
N-Nitrosodiphenylamine (1) *	.197	.293	48.5 *	⊛	
4-Bromophenyl-phenylether	.383	.419	9.4		
Hexachlorobenzene	.720	.808	12.2		
Pentachlorophenol *	.246	.271	10.1 *		
Phenanthrene	.941	1.029	9.4		
Anthracene	1.015	1.074	5.9		
Di-n-butylphthalate	1.076	1.132	5.1		
Fluoranthene *	1.616	1.687	4.4 *		
Pyrene	1.737	1.815	4.5		
Butylbenzylphthalate	.569	.638	12.2		
Benzo(a)anthracene	1.489	1.702	14.3		
Chrysene	2.013	2.063	2.5		
bis(2-Ethylhexyl)phthalate	.798	.905	13.4		
Di-n-octylphthalate *	1.164	1.268	9.0 *		
Benzo(b)fluoranthene	1.100	.816	25.8		
Benzo(k)fluoranthene	1.510	1.759	16.5		
Benzo(a)pyrene *	1.060	.987	6.9 *		
Indeno(1,2,3-cd)pyrene	.881	.937	6.3		
Dibenzo(a,h)anthracene	.968	.758	21.7		
Benzo(g,h,i)perylene	1.052	.230	78.1		
Nitrobenzene-d5	.332	.362	9.1		
2-Fluorobiphenyl	1.529	1.752	14.6		
Terphenyl-d14	1.895	2.045	7.9		
Phenol-d5	1.720	1.691	1.7		
2-Fluorophenol	.998	1.072	7.4		
2,4,6-Tribromophenol	.488	.477	2.1		

(1) Cannot be separated from Diphenylamine

COMMENT: Two of the CCC compounds and one of the SPCC compounds did not meet the CLP QC requirements.

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: 5SCRL US EPA 312/353-9065 Contact: Dr. Thomas Job element: Y905

Lab Code: CHICAGO, IL 60605 Site Name: JOSTEN'S INCORP Activity: C76100

Lab File ID (Standard): >BP171 Study #: SF-5541 Date Analyzed: 880929

Instrument ID: HP-5996 Time Analyzed: 16:30

	IS1(DCB) Area	IS2(NPT) Area	IS3(ANT) Area	IS4(PHN) Area	IS5(CRY) Area	IS6(PRY) Area	Total out
DAILY STD.	20248	76009	46338	98524			0
UPPER LIMIT	40496	152018	92676	197048			0
LOWER LIMIT	10124	38004	23169	49262			0
EPA SAMPLE #							0
METHOD BLANK	15075	72681	39249	86374			0
88FM30S23	13981	52315	32915	73132			0
88FM30S24	17043	63287	36992	68382			0
88FM30D24	14826	56276	36010	76624			0
88FM30S25	17148	59105	37542	69374			0
88FM30S26	16099	58629	38540	77303			0
88FM30S27	14830	56259	36463	83866			0
88FM30S28	15114	54142	35432	67340			0

NOTE: IS5 & IS6 are not being used as internal standards

NONE

COMMENT: None of the internal standards ~~is~~ outside of QC acceptance limits.

TO N/A. See Comments.

IS1(DCB) = 1,4-Dichlorobenzene-d4 IS2(NPT) = Naphthalene-d8

IS3(ANT) = Acenaphthene-d8 IS4(PHN) = Phenanthrene-d10

IS5(CRY) = Chrysene-d12 IS6(PRY) = Perylene-d12

UPPER LIMIT = + 100% of daily std. area LOWER LIMIT = - 50% of the std area

N/A : NOT ACCEPTABLE N/AP : NOT APPLICABLE

ATT III

SF-5541

1 of 2

1. QUANT Reports, Misc. Info. & Sample Prep Info.
2. Library Search Results

QUANT REPORT

Operator ID: BABU
Output File: ^BP172::QT
Data File: >BP172::D1
Name: SF-5541 METHOD BLANK
Misc: 092988 1L/1ML 266/266

Quant Rev: 6
Quant Time: 881006 15:48
Injected at: 880929 17:24
Dilution Factor: 1.00000
BTL# 2

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.15	174	15075	50.00	NG/UL	96
2)	2-Fluorophenol	2.82	42	20475	63.35	NG/UL	98
3)	Phenol-d5	4.82	155	24028	47.12	NG/UL	94
16)	*d8-Naphthalene	9.37	413	72681	50.00	NG/UL	91
17)	Nitrobenzene-d5	6.94	275	30956	58.86	NG/UL	99
31)	*d10-Acenaphthene	17.15	850	39249	50.00	NG/UL	96
36)	2-Fluorobiphenyl	14.38	693	84556	61.48	NG/UL	94
51)	*d10-Phenanthrene	23.96	1236	86374	50.00	NG/UL	98
54)	2,4,6-Tribromophenol	21.03	1070	67393	81.72	NG/UL	92
62)	d12-Chrysene	33.47	1775	95829	31.40	NG/UL	90
64)	Terphenyl-d14	31.40	1658	294564	83.38	NG/UL	94
69)	d12-Perylene	36.43	1943	38641	20.03	NG/UL	95

* Compound is ISTD

QUANT REPORT

Operator ID: BABU
Output File: ^BP173::QT
Data File: >BP173::D1
Name: SF-5541 88FM30S23
Misc: 092988 .98L/1ML 265/266

Quant Rev: 6
Quant Time: 881006 15:52
Injected at: 880929 18:19
Dilution Factor: 1.00000
BTL# 3

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.13	173	13981	50.00	NG/UL	93
2)	2-Fluorophenol	2.81	41	16045	53.53	NG/UL	98
3)	Phenol-d5	4.80	154	18769	39.69	NG/UL	94
16)	*d8-Naphthalene	9.35	412	52315	50.00	NG/UL	90
17)	Nitrobenzene-d5	6.92	274	29121	76.93	NG/UL	99
31)	*d10-Acenaphthene	17.13	848	32915	50.00	NG/UL	88
36)	2-Fluorobiphenyl	14.36	696	74855	64.90	NG/UL	96
51)	*d10-Phenanthrene	23.95	1235	73132	50.00	NG/UL	97
54)	2,4,6-Tribromophenol	21.02	1069	53530	76.66	NG/UL	95
62)	d12-Chrysene	33.48	1775	75150	29.08	NG/UL	92
64)	Terphenyl-d14	31.38	1656	231832	77.50	NG/UL	97
69)	d12-Perylene	36.42	1942	27122	16.61	NG/UL	92

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 15:56
Output File: ^BP174::QT Injected at: 880929 19:14
Data File: >BP174::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S23MS
Misc: 092988 .96L/1ML 265/266 BTL# 4

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.17	175	15018	50.00	NG/UL	93
2)	2-Fluorophenol	2.89	46	18320	56.90	NG/UL	97
3)	Phenol-d5	4.85	157	21246	41.83	NG/UL	99
4)	Phenol	4.89	159	13250	38.81	NG/UL	88
6)	2-Chlorophenol	4.83	156	24936	81.40	NG/UL	99
8)	1,4-Dichlorobenzene	5.22	178	33867	75.54	NG/UL	98
16)	*d8-Naphthalene	9.37	413	56930	50.00	NG/UL	91
17)	Nitrobenzene-d5	6.95	276	34804	84.49	NG/UL	97
25)	1,2,4-Trichlorobenzene	9.26	407	42974	88.06	NG/UL	95
29)	4-Chloro-3-methylphenol	12.83	609	22770	75.88	NG/UL	99
31)	*d10-Acenaphthene	17.13	853	39023	50.00	NG/UL	96
36)	2-Fluorobiphenyl	14.36	696	98762	72.22	NG/UL	94
41)	Acenaphthene	17.27	861	79438	82.24	NG/UL	99
45)	2,4-Dinitrotoluene	18.72	943	16441	53.05	NG/UL	93
51)	*d10-Phenanthrene	23.93	1233	75769	50.00	NG/UL	97
54)	2,4,6-Tribromophenol	20.98	1066	69646	96.27	NG/UL	95
57)	Pentachlorophenol	23.72	1221	32577	79.44	NG/UL	95
62)	d12-Chrysene	33.47	1774	70502	26.33	NG/UL	92
63)	Pyrene	30.51	1606	223122	81.13	NG/UL	90
64)	Terphenyl-d14	31.36	1654	235689	76.05	NG/UL	98
69)	d12-Perylene	36.40	1940	29133	17.22	NG/UL	97

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:00
Output File: ^BP175::QT Injected at: 880929 20:08
Data File: >BP175::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S23MD
Misc: 092988 .96L/1ML 265/266 BTL# 5

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.12	172	15172	50.00	NG/UL	96
2)	2-Fluorophenol	2.79	40	20271	62.32	NG/UL	99
3)	Phenol-d5	4.78	153	24842	48.41	NG/UL	98
4)	Phenol	4.82	155	15159	43.95	NG/UL	98
6)	2-Chlorophenol	4.78	153	27869	90.05	NG/UL	99
8)	1,4-Dichlorobenzene	5.17	175	35377	78.10	NG/UL	98
16)	*d8-Naphthalene	9.35	412	58668	50.00	NG/UL	91
17)	Nitrobenzene-d5	6.92	274	37678	88.75	NG/UL	97
25)	1,2,4-Trichlorobenzene	9.26	407	45005	89.49	NG/UL	93
29)	4-Chloro-3-methylphenol	12.84	610	21097	68.22	NG/UL	91
31)	*d10-Acenaphthene	17.13	853	35864	50.00	NG/UL	94
36)	2-Fluorobiphenyl	14.36	696	90239	71.80	NG/UL	95

41)	Acenaphthene	17.29	862	76111	85.73	NG/UL	95
45)	2,4-Dinitrotoluene	18.72	943	19444	68.27	NG/UL	94
51)	*d10-Phenanthrene	23.93	1239	77949	50.00	NG/UL	99
54)	2,4,6-Tribromophenol	21.01	1073	70185	94.31	NG/UL	94
57)	Pentachlorophenol	23.72	1227	36115	85.61	NG/UL	97
62)	d12-Chrysene	33.48	1780	65028	23.61	NG/UL	91
63)	Pyrene	30.54	1613	216454	76.50	NG/UL	90
64)	Terphenyl-d14	31.38	1661	230938	72.43	NG/UL	96
69)	d12-Perylene	36.43	1947	20299	11.66	NG/UL	97

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:04
Output File: ^BP176::QT Injected at: 880929 21:03
Data File: >BP176::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S24
Misc: 092988 .96L/1ML 265/266 BTL# 6

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.19	176	17043	50.00	NG/UL	96
2)	2-Fluorophenol	2.88	45	21651	59.26	NG/UL	97
3)	Phenol-d5	4.85	157	23854	41.38	NG/UL	96
16)	*d8-Naphthalene	9.37	413	63287	50.00	NG/UL	90
17)	Nitrobenzene-d5	6.95	276	41120	89.79	NG/UL	98
31)	*d10-Acenaphthene	17.15	854	36992	50.00	NG/UL	94
36)	2-Fluorobiphenyl	14.38	697	91998	70.97	NG/UL	93
51)	*d10-Phenanthrene	23.95	1240	68382	50.00	NG/UL	99
54)	2,4,6-Tribromophenol	21.02	1074	65002	99.56	NG/UL	96
62)	d12-Chrysene	33.50	1779	64294	26.61	NG/UL	92
64)	Terphenyl-d14	31.40	1662	235784	84.30	NG/UL	99
69)	d12-Perylene	36.44	1946	22678	14.85	NG/UL	93

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:09
Output File: ^BP177::QT Injected at: 880929 21:57
Data File: >BP177::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30D24
Misc: 092988 .99L/1ML 265/266 BTL# 7

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.12	172	14826	50.00	NG/UL	98
2)	2-Fluorophenol	2.80	41	18326	57.66	NG/UL	92
3)	Phenol-d5	4.80	154	20687	41.25	NG/UL	98
16)	*d8-Naphthalene	9.35	412	56276	50.00	NG/UL	91
17)	Nitrobenzene-d5	6.91	274	34351	84.36	NG/UL	93
31)	*d10-Acenaphthene	17.14	854	36010	50.00	NG/UL	97
36)	2-Fluorobiphenyl	14.36	696	79635	63.11	NG/UL	94
51)	*d10-Phenanthrene	23.95	1240	76624	50.00	NG/UL	99
54)	2,4,6-Tribromophenol	21.02	1074	68840	94.10	NG/UL	95

62)	d12-Chrysene	33.46	1779	87130	32.18	NG/UL	91
64)	Terphenyl-d14	31.38	1661	266048	84.89	NG/UL	98
69)	d12-Perylene	36.42	1947	32627	19.07	NG/UL	91

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:14
Output File: ^BP178::QT Injected at: 880929 22:52
Data File: >BP178::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S25
Misc: 092988 .98L/1ML 265/266 BTL# 8

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.12	172	17148	50.00	NG/UL	97
2)	2-Fluorophenol	2.79	40	22315	60.70	NG/UL	99
3)	Phenol-d5	4.78	153	29432	50.74	NG/UL	98
16)	*d8-Naphthalene	9.33	411	59105	50.00	NG/UL	92
17)	Nitrobenzene-d5	6.90	273	32209	75.31	NG/UL	99
31)	*d10-Acenaphthene	17.13	853	37542	50.00	NG/UL	93
36)	2-Fluorobiphenyl	14.36	696	82765	62.91	NG/UL	94
51)	*d10-Phenanthrene	23.95	1240	69374	50.00	NG/UL	98
54)	2,4,6-Tribromophenol	21.00	1073	73208	110.53	NG/UL	99
62)	d12-Chrysene	33.44	1778	79840	32.57	NG/UL	91
64)	Terphenyl-d14	31.38	1661	242008	85.29	NG/UL	99
67)	Bis(2-Ethylhexyl)Phthalate	33.79	1798	3048	2.43	NG/UL	79
69)	d12-Perylene	36.37	1944	55766	36.00	NG/UL	95

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:17
Output File: ^BP179::QT Injected at: 880929 23:47
Data File: >BP179::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S26
Misc: 092988 .90L/1ML 265/266 BTL# 9

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.13	173	16099	50.00	NG/UL	93
2)	2-Fluorophenol	2.80	41	20866	60.46	NG/UL	91
3)	Phenol-d5	4.80	154	29803	54.73	NG/UL	98
16)	*d8-Naphthalene	9.37	413	58629	50.00	NG/UL	93
17)	Nitrobenzene-d5	6.93	275	33531	79.04	NG/UL	97
31)	*d10-Acenaphthene	17.16	855	38540	50.00	NG/UL	92
36)	2-Fluorobiphenyl	14.39	698	82335	60.96	NG/UL	95
51)	*d10-Phenanthrene	23.97	1241	77303	50.00	NG/UL	98
54)	2,4,6-Tribromophenol	21.04	1075	75620	102.46	NG/UL	95
62)	d12-Chrysene	33.42	1777	101783	37.26	NG/UL	91
64)	Terphenyl-d14	31.39	1662	277921	87.90	NG/UL	97
67)	Bis(2-Ethylhexyl)Phthalate	33.81	1799	1572	1.12	NG/UL	90
69)	d12-Perylene	36.39	1945	49230	28.52	NG/UL	94

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:21
Output File: ^BP180::QT Injected at: 880930 00:41
Data File: >BP180::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S27
Misc: 092988 .99L/1ML 265/266 BTL#10

ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.15	174	14830	50.00	NG/UL	97
2)	2-Fluorophenol	2.82	42	19515	61.38	NG/UL	99
3)	Phenol-d5	4.82	155	21654	43.17	NG/UL	97
16)	*d8-Naphthalene	9.37	413	56259	50.00	NG/UL	90
17)	Nitrobenzene-d5	6.93	275	35086	86.19	NG/UL	~~95~~ see
19)	Isophorone	7.44	304	653	.82	NG/UL	40
31)	*d10-Acenaphthene	17.18	856	36463	50.00	NG/UL	~~95~~
36)	2-Fluorobiphenyl	14.41	699	85966	67.28	NG/UL	93
51)	*d10-Phenanthrene	23.98	1242	83866	50.00	NG/UL	97
54)	2,4,6-Tribromophenol	21.06	1076	70664	88.25	NG/UL	94
62)	d12-Chrysene	33.44	1778	103173	34.82	NG/UL	91
64)	Terphenyl-d14	31.39	1662	277879	81.01	NG/UL	99
67)	Bis(2-Ethylhexyl)Phthalate	33.81	1799	2431	1.60	NG/UL	84
69)	d12-Perylene	36.38	1945	71311	38.08	NG/UL	93

RT

* Compound is ISTD

QUANT REPORT

Operator ID: BABU Quant Rev: 6 Quant Time: 881006 16:28
Output File: ^BP181::QT Injected at: 880930 01:37
Data File: >BP181::D1 Dilution Factor: 1.00000
Name: SF-5541 88FM30S28
Misc: 092988 .97L/1ML 265/266 BTL#11

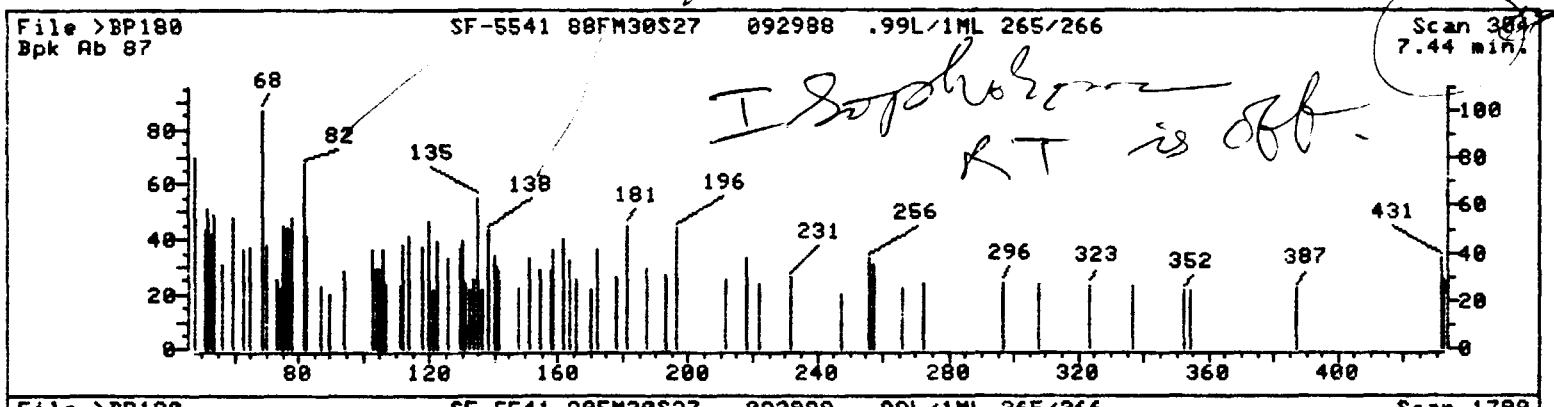
ID File: IDPB96::KS
Title: IFB
Last Calibration: 881006 15:29

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	5.20	177	15114	50.00	NG/UL	94
2)	2-Fluorophenol	2.89	46	17842	55.06	NG/UL	97
3)	Phenol-d5	4.89	159	19557	38.26	NG/UL	97
16)	*d8-Naphthalene	9.38	414	54142	50.00	NG/UL	93
17)	Nitrobenzene-d5	6.99	278	28965	73.93	NG/UL	97
31)	*d10-Acenaphthene	17.18	856	35432	50.00	NG/UL	96
36)	2-Fluorobiphenyl	14.39	698	79027	63.65	NG/UL	94
51)	*d10-Phenanthrene	23.97	1241	67340	50.00	NG/UL	99
54)	2,4,6-Tribromophenol	21.04	1075	65192	101.40	NG/UL	94
62)	d12-Chrysene	33.44	1778	82931	34.85	NG/UL	91
64)	Terphenyl-d14	31.39	1662	235607	85.54	NG/UL	97
67)	Bis(2-Ethylhexyl)Phthalate	33.81	1799	1182	.97	NG/UL	82
69)	d12-Perylene	36.38	1945	36063	23.98	NG/UL	94

* Compound is ISTD

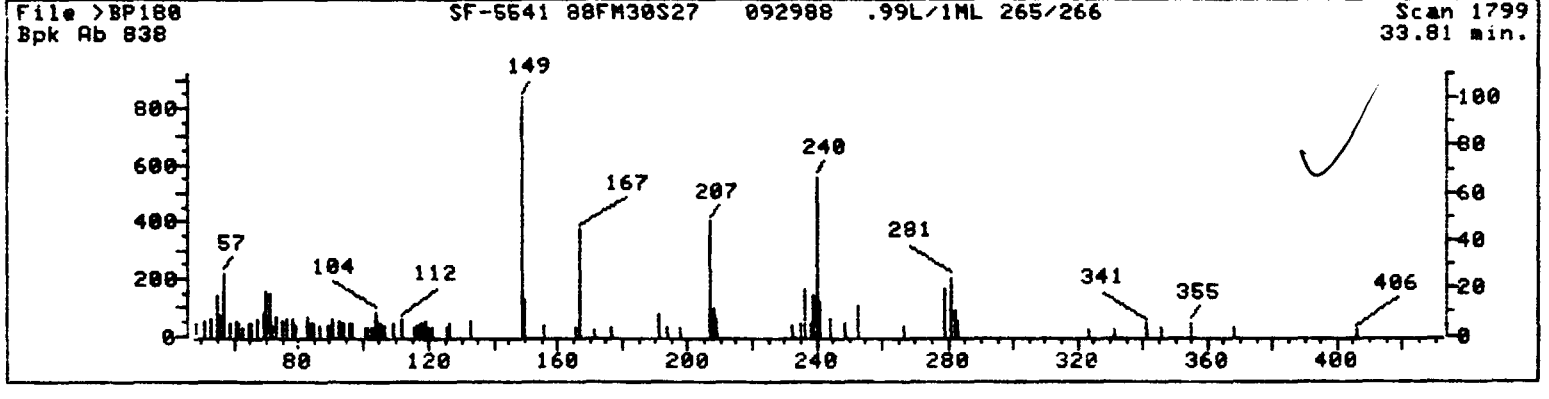
&a23r0C

82 to 138 Ratios are off



I Sophorone RT is off.

Crystal 7.8



GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	31.55	31.55	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	34.96	34.96	Ok
70	Less than 2% of mass 69	.22	.64	Ok
127	40-60% of mass 198	22.23	22.23	No Good
197	Less than 1% of mass 198	.38	.38	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	5.80	5.80	Ok
275	10-30% of mass 198	24.70	24.70	Ok
365	Greater than 1% of mass 198	2.66	2.66	Ok
441	0-100% of mass 443	9.71	80.52	Ok
442	Greater than 40% of mass 198	68.25	68.25	Ok
443	17-23% of mass 442	12.06	17.67	Ok

Injection Date: 09/29/88
Injection Time: 14:54
Data File: >DFT21
Scan: 1406

Spectrum fails specified criteria.

:

Sequence File: BABP21::KS

Tune File: MT7802

CR List: D1,C2,C8,C6
CR Cut-off: 6000 blocks.

Number of samples: 12

Samp No.	Data File / Method File	Sample Name / Misc Data	Bottle	Sample Size	Quant	Report	Data	Archive	ID	Archive	Output	Archive	Quant ID / Quant Output
001)	>BP171	SF-5541 TOXSTD 50PPM	01	3	N	N	N	N	N				
	TOXIC6::C4	092988		Dil=1.00000									
002)	>BP172	SF-5541 METHOD BLANK	02	3	N	N	N	N	N				
	TOXIC6::C4	092988 1L/1ML 266/266		Dil=1.00000									
003)	>BP173	SF-5541 88FM30S23	03	3	N	N	N	N	N				
	TOXIC6::C4	092988 .98L/1ML 265/266		Dil=1.00000									
004)	>BP174	SF-5541 88FM30S23MS	04	3	N	N	N	N	N				
	TOXIC6::C4	092988 .96L/1ML 265/266		Dil=1.00000									
005)	>BP175	SF-5541 88FM30S23MD	05	3	N	N	N	N	N				
	TOXIC6::C4	092988 .96L/1ML 265/266		Dil=1.00000									
006)	>BP176	SF-5541 88FM30S24	06	3	N	N	N	N	N				
	TOXIC6::C4	092988 .96L/1ML 265/266		Dil=1.00000									
007)	>BP177	SF-5541 88FM30D24	07	3	N	N	N	N	N				
	TOXIC6::C4	092988 .99L/1ML 265/266		Dil=1.00000									
008)	>BP178	SF-5541 88FM30S25	08	3	N	N	N	N	N				
	TOXIC6::C4	092988 .98L/1ML 265/266		Dil=1.00000									
009)	>BP179	SF-5541 88FM30S26	09	3	N	N	N	N	N				
	TOXIC6::C4	092988 .90L/1ML 265/266		Dil=1.00000									
010)	>BP180	SF-5541 88FM30S27	10	3	N	N	N	N	N				
	TOXIC6::C4	092988 .99L/1ML 265/266		Dil=1.00000									
011)	>BP181	SF-5541 88FM30S28	11	3	N	N	N	N	N				
	TOXIC6::C4	092988 .97L/1ML 265/266		Dil=1.00000									
012)	~~>BP182~~	~~SF-5541 TOXSTD 80PPM~~	12	~~3~~	~~N~~	~~N~~	~~N~~	~~N~~	N				
	TOXIC6::C4	~~092988~~		~~Dil=1.00000~~									

End of sequence file.

:

17.

20µl OF ABN Internal Standard

A/BN BENCH SHEET

DATA SET: SF 5541 SAMPLE TYPE: Water EXTRACTION METHOD Separatory Funnel

SAMPLE #	SAMPLE AMOUNT	FINAL VOL.	SOLVENT EXTRACT.	DILUTION W/HEXANE 1st.	2nd	3rd	VOL. CONC EXTR.
Method Blank	1000ml	1ml					
88FM30S23 Matrix Spike	960ml	1ml					
88FM30S23 Matrix Spike Dup	960ml	1ml					
88FM30[illegible]02	1000ml	1ml					
D24	990ml	1ml					
S23	980ml	1ml					
S24	960ml	1ml					
S25	980ml	1ml					
S26	980ml	1ml					
S27	990ml	1ml					
S28	970ml	1ml					

*Sample lost because glass vial was cracked K.B.

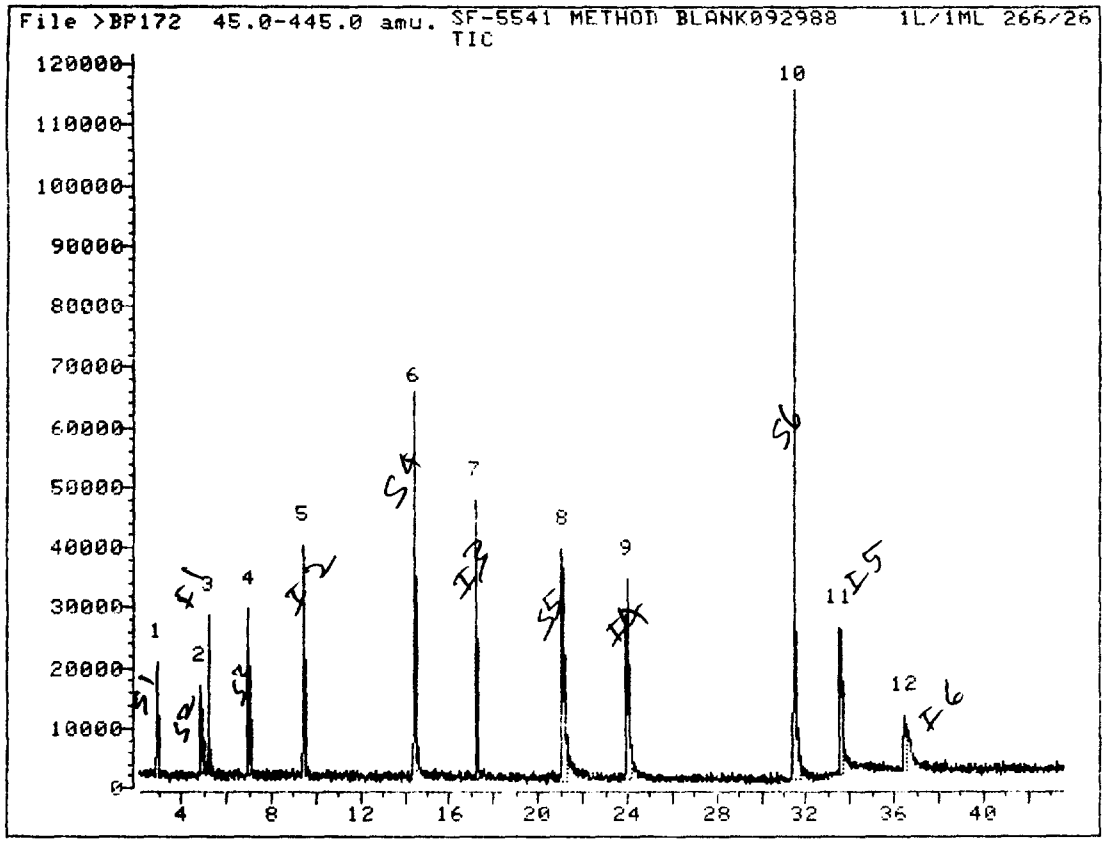
MS+MSD

DATE EXTRACTED: 9/22/88 DATE ~~ANALYZED~~ Concentrated 9/22/88 WF. CHEM: WF. K.B. KG.

REMARKS: 1ml of ABN Surrogate was added to all samples. 1ml of B/N spike and acid spike was added to matrix spike + matrix spike Dup. WF

ATT. III SF-5541

2 of 2

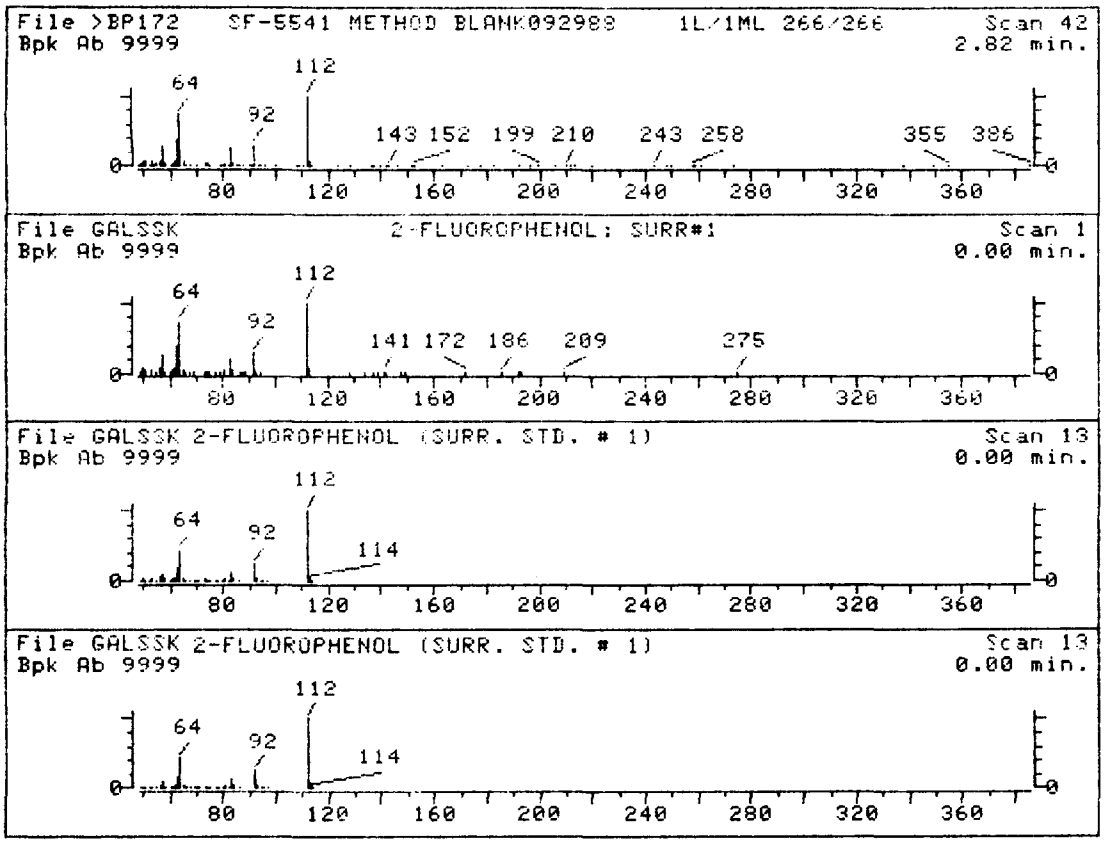


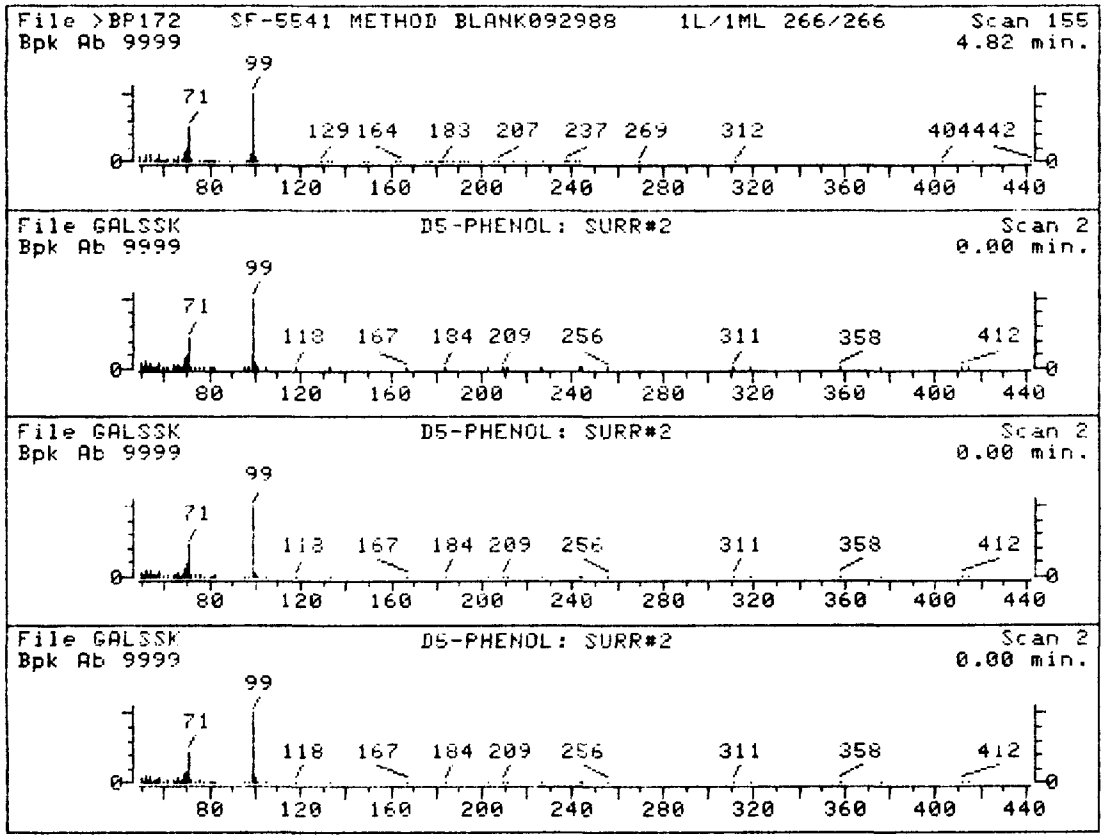
No TICs

>BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

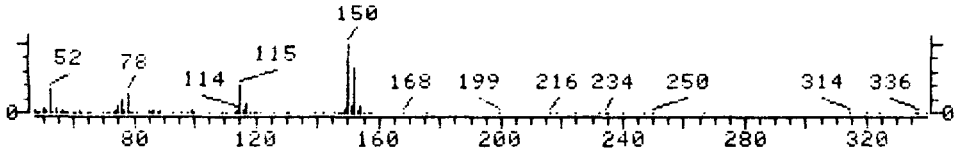
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.82	39	42	53	18901	108463	79625	12.95	3.502
2	4.82	152	155	164	14753	87569	56864	9.25	2.501
3	5.15	171	174	181	26353	115749	89499	14.55	3.937
4	6.94	272	275	282	27657	115926	94805	15.42	4.170
5	9.37	409	413	420	38443	144182	120348	19.57	5.293
6	14.38	690	693	703	63577	255508	224707	36.54	9.884
7	17.15	846	850	863	46550	219568	193903	31.53	8.529
8	21.03	1065	1070	1087	38627	304900	281360	45.75	12.375
9	23.96	1232	1236	1251	33530	245090	219050	35.62	9.635
10	31.40	1655	1658	1679	114192	654114	614963	100.00	27.049
11	33.47	1771	1775	1789	24698	259830	220532	35.86	9.700
12	36.43	1938	1943	1949	9051	113167	77893	12.67	3.426

Sum of corrected areas: 2273549.

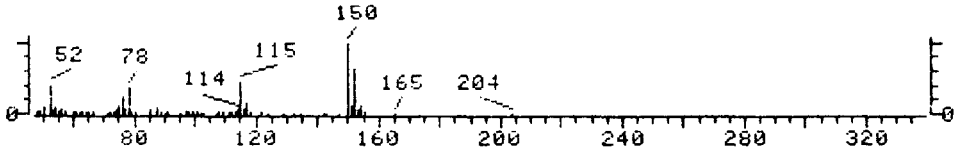

File >BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266 Scan 42
Bpk Ab 9999 2.82 min.
64 92 112 143 152 199 210 243 258 355 386
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.
64 92 112 141 172 186 209 275
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.
64 92 112 114
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.
64 92 112 114
0 80 120 160 200 240 280 320 360


File >BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266 Scan 155
Bpk Ab 9999 4.82 min.
71 99 129 164 183 207 237 269 312 404 442
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 184 209 256 311 358 412
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 184 209 256 311 358 412
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 184 209 256 311 358 412
0 80 120 160 200 240 280 320 360 400 440

File >BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266 Scan 174
Bpk Ab 9999 5.15 min.



File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



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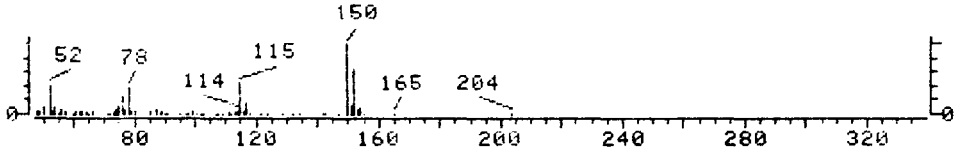
Bpk Ab 9999 0.00 min.



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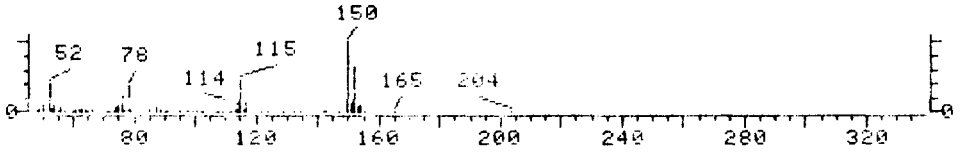
Bpk Ab 9999 0.00 min.



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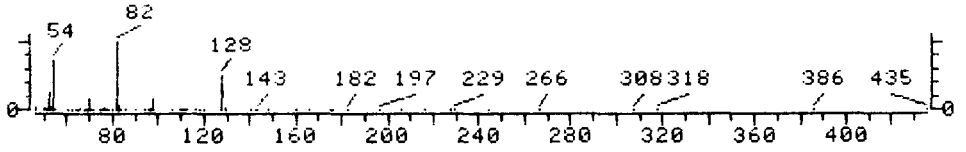
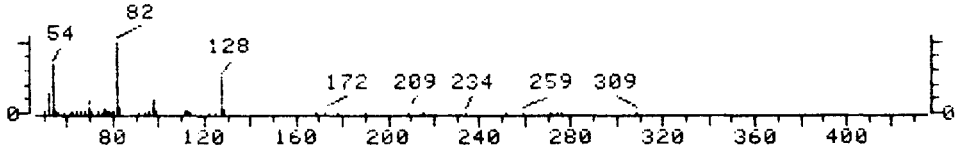
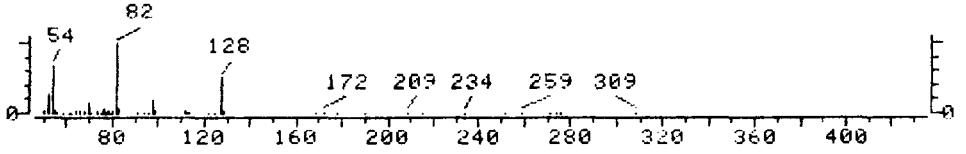
Bpk Ab 9999 6.94 min.



File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.



File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.



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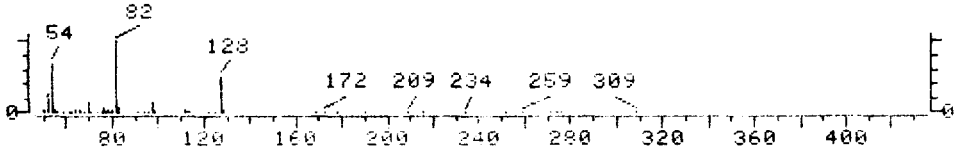

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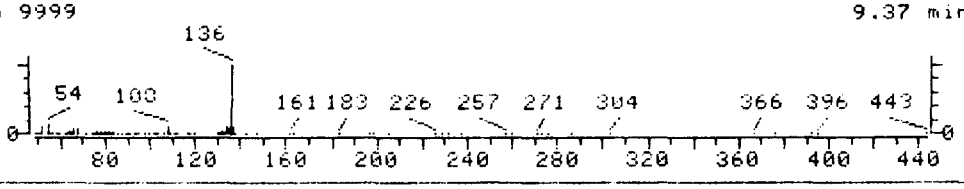
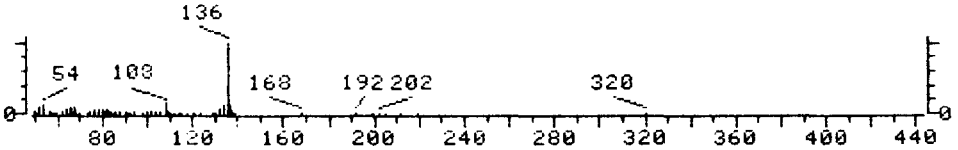
Bpk Ab 9999 9.37 min.



File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
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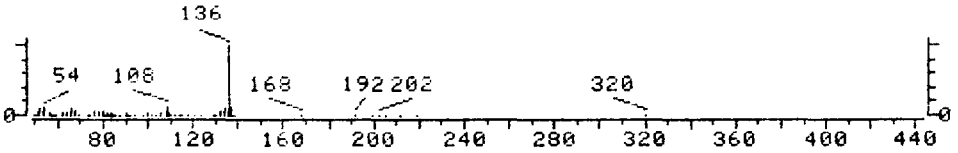

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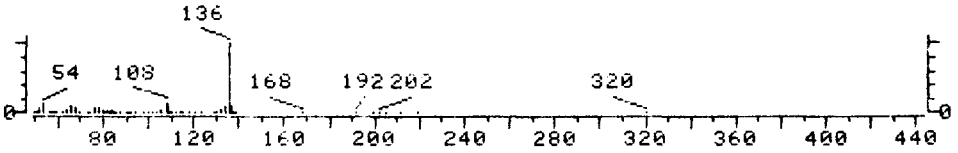
Bpk Ab 9999 0.00 min.



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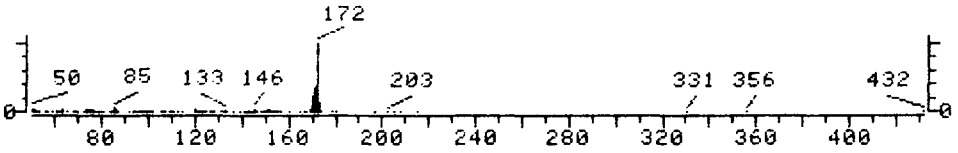
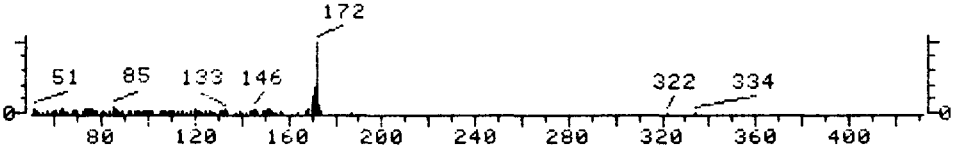
Bpk Ab 9999 14.38 min.



File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.



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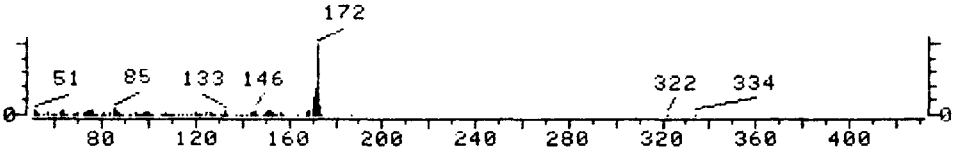
Bpk Ab 9999 0.00 min.



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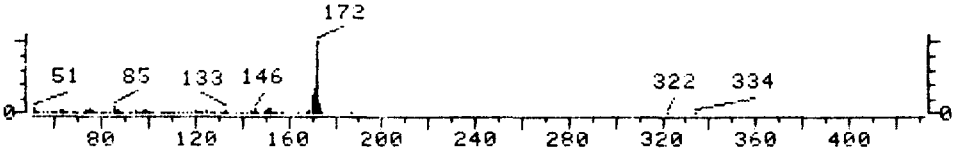
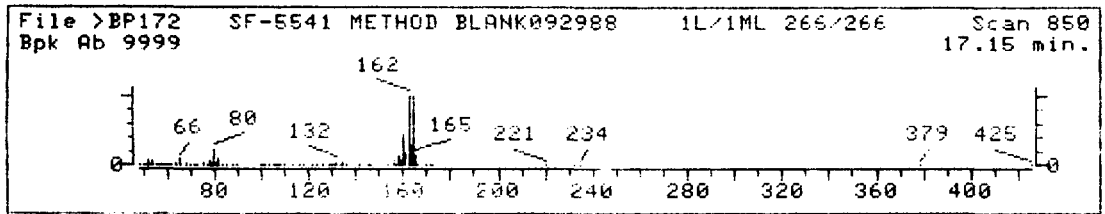
Bpk Ab 9999 0.00 min.

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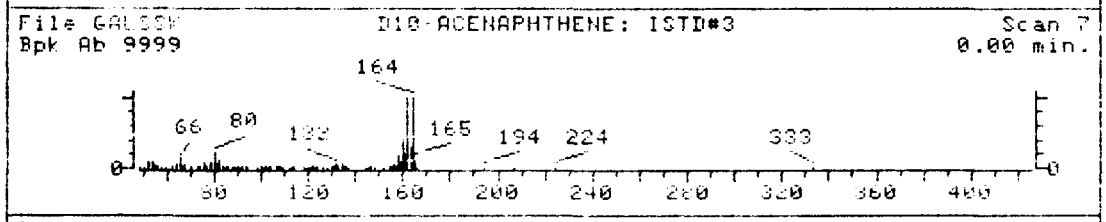
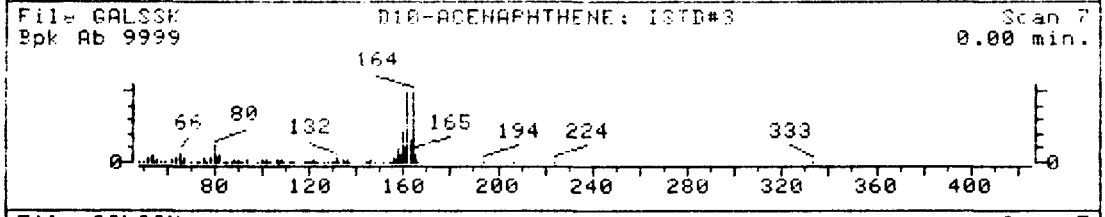
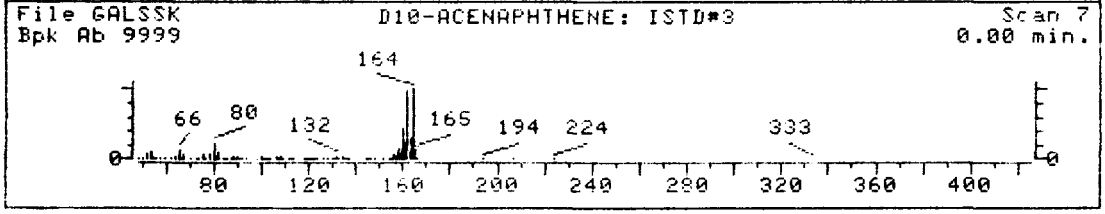
162
66 80 132 165 221 234 379 425
80 120 160 200 240 280 320 360 400


File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 132 165 194 224 333
80 120 160 200 240 280 320 360 400


File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 132 165 194 224 333
80 120 160 200 240 280 320 360 400


File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
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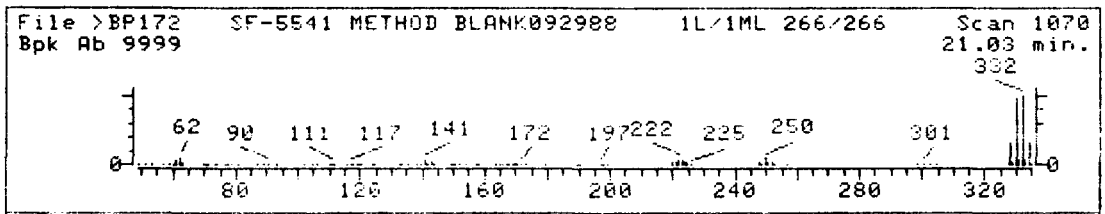
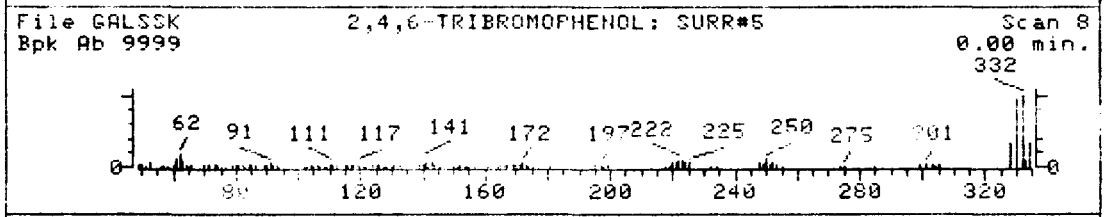
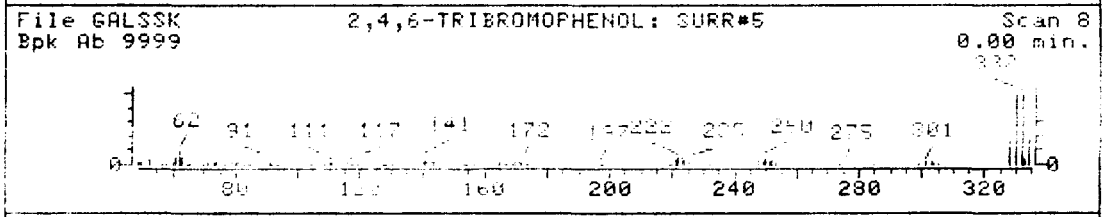

File >BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266 Scan 1070
Bpk Ab 9999 21.03 min.
332
62 90 111 117 141 172 197 222 225 250 301
80 120 160 200 240 280 320


File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 225 250 275 301
80 120 160 200 240 280 320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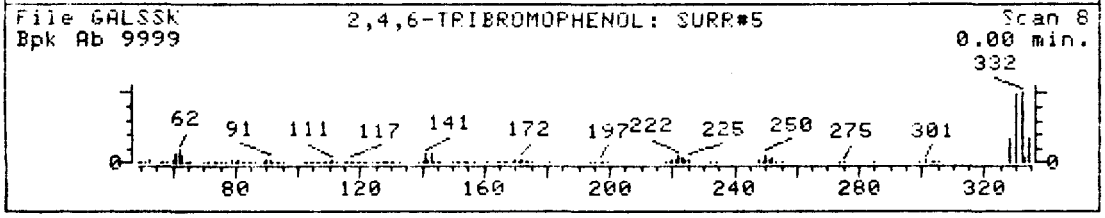
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332
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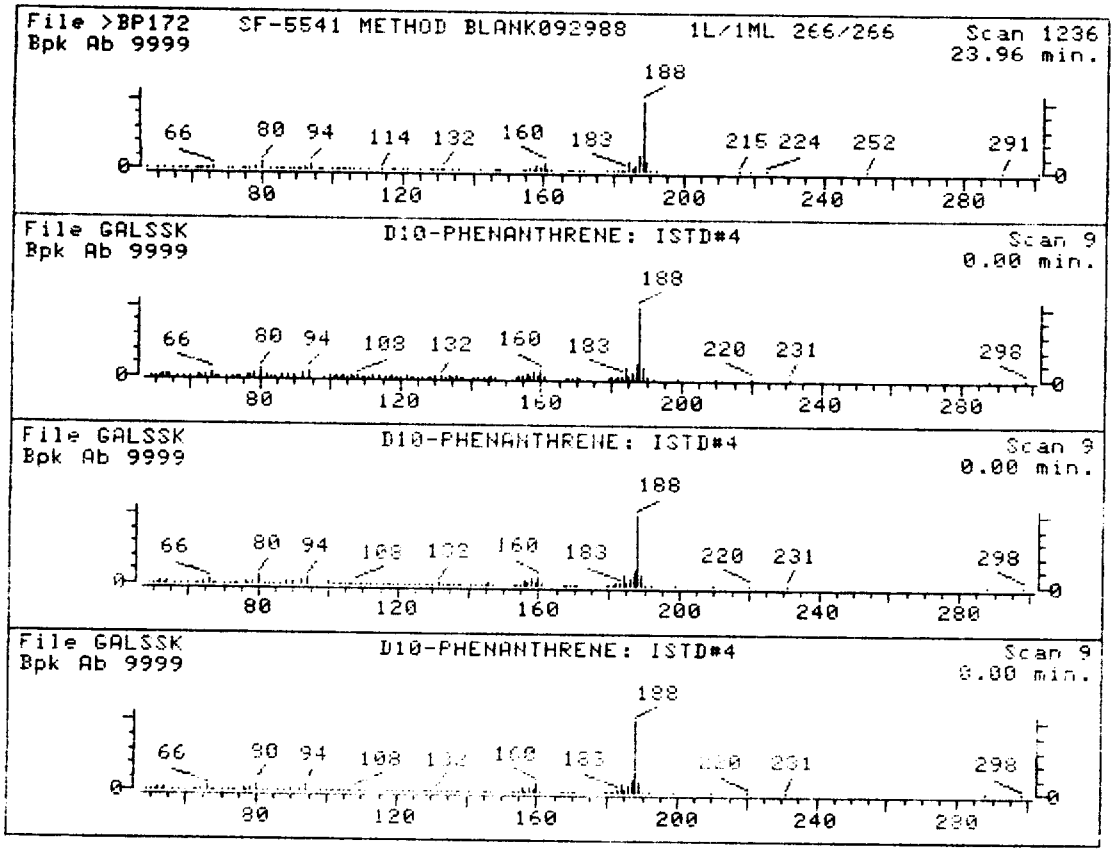
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Bpk Ab 9999
SF-5541 METHOD BLANK092988
1L/1ML 266/266
Scan 1236
23.96 min.
188
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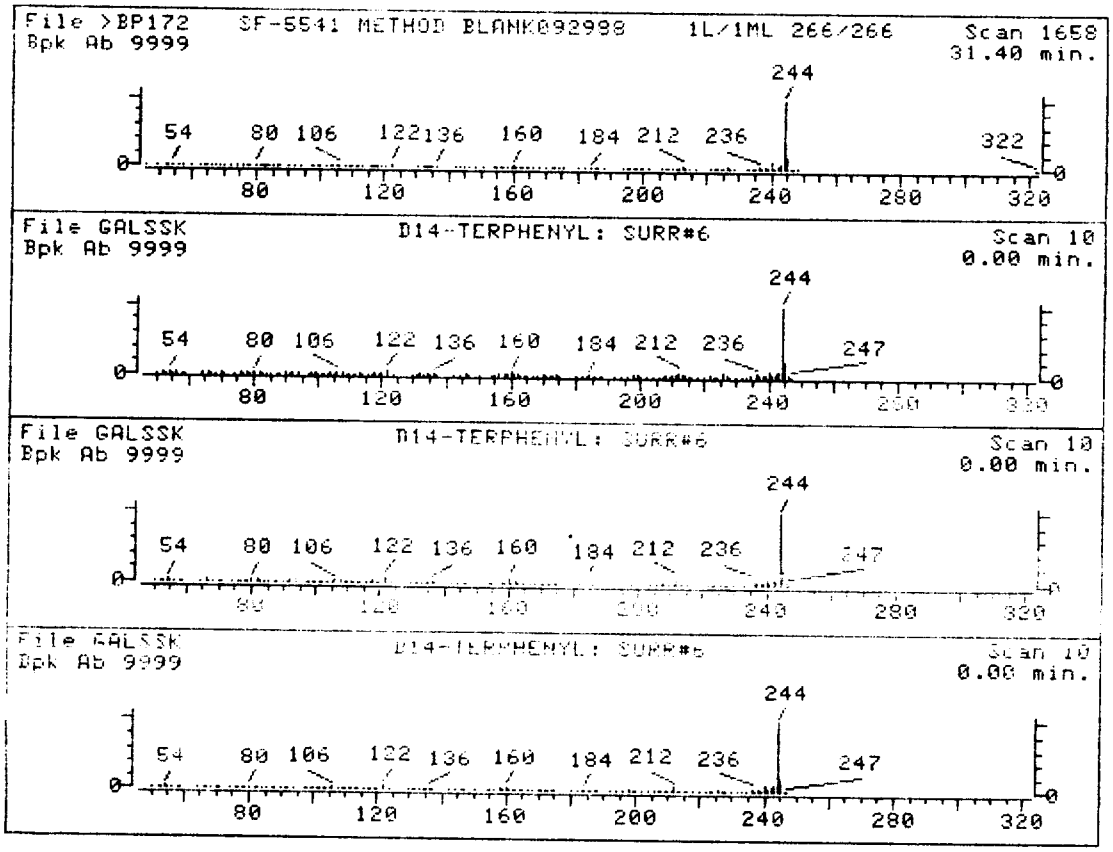
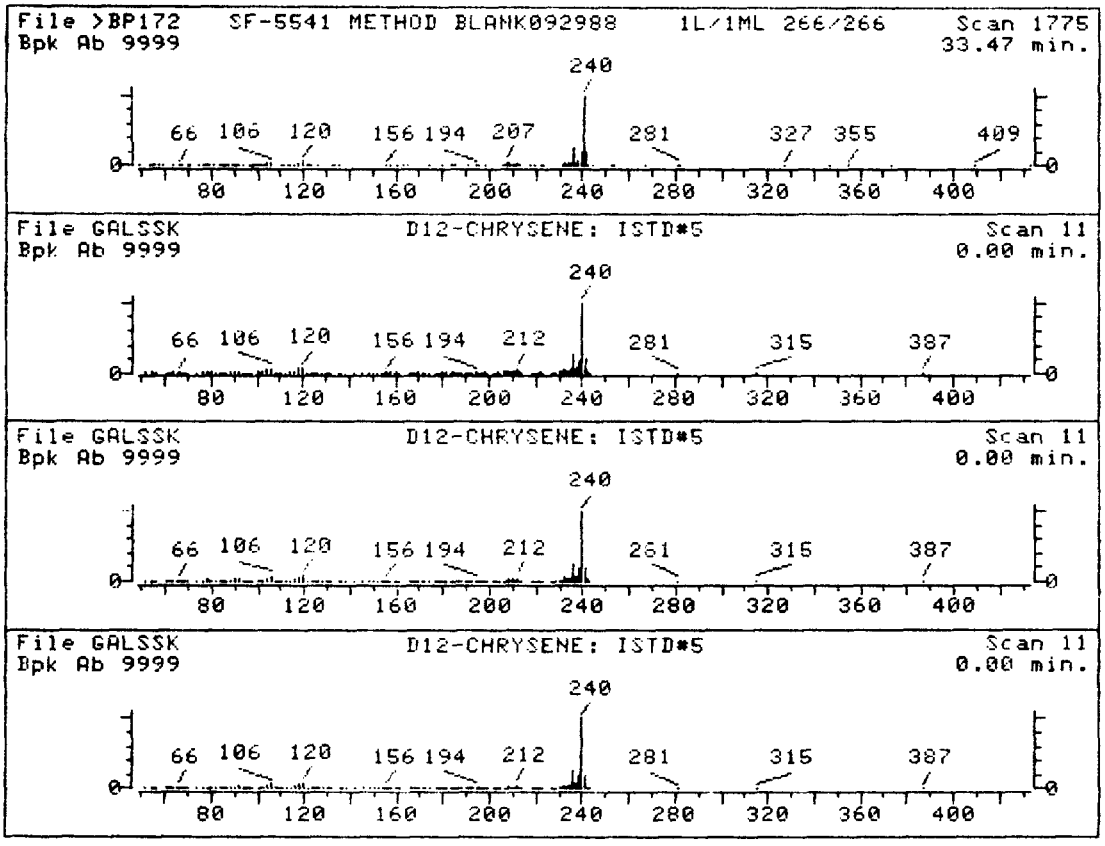
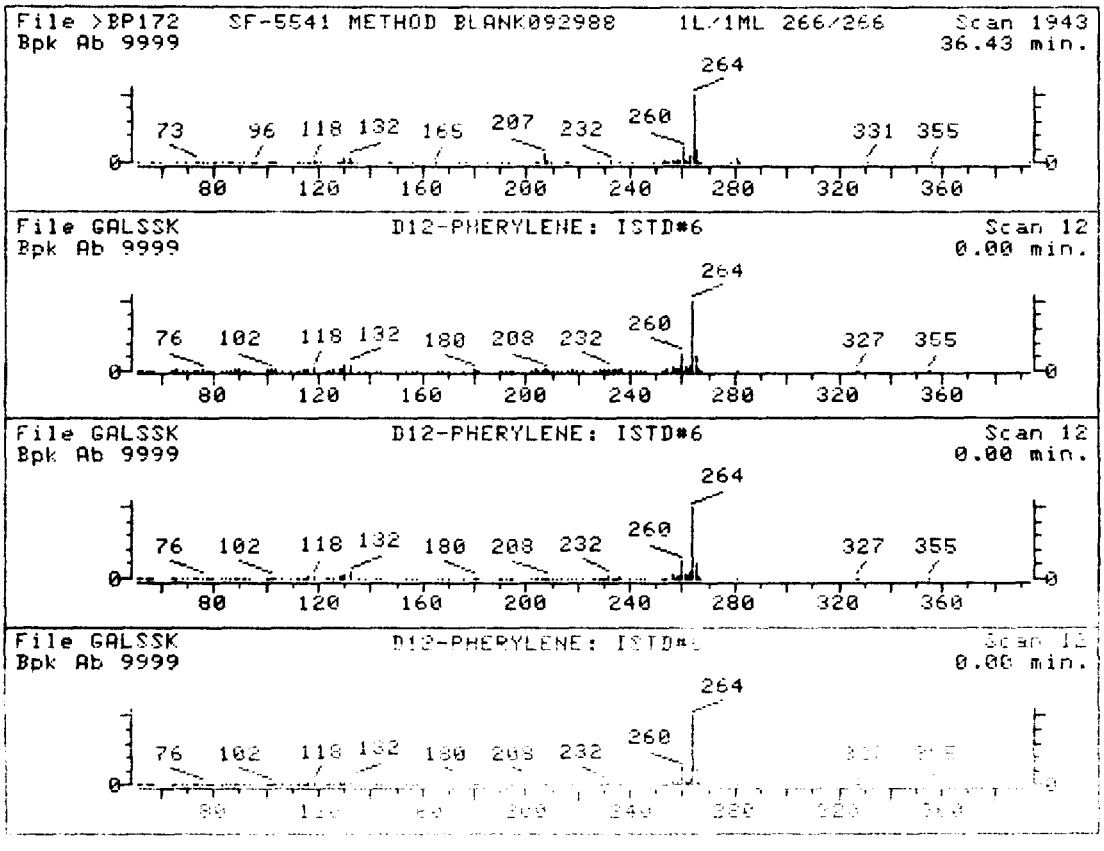
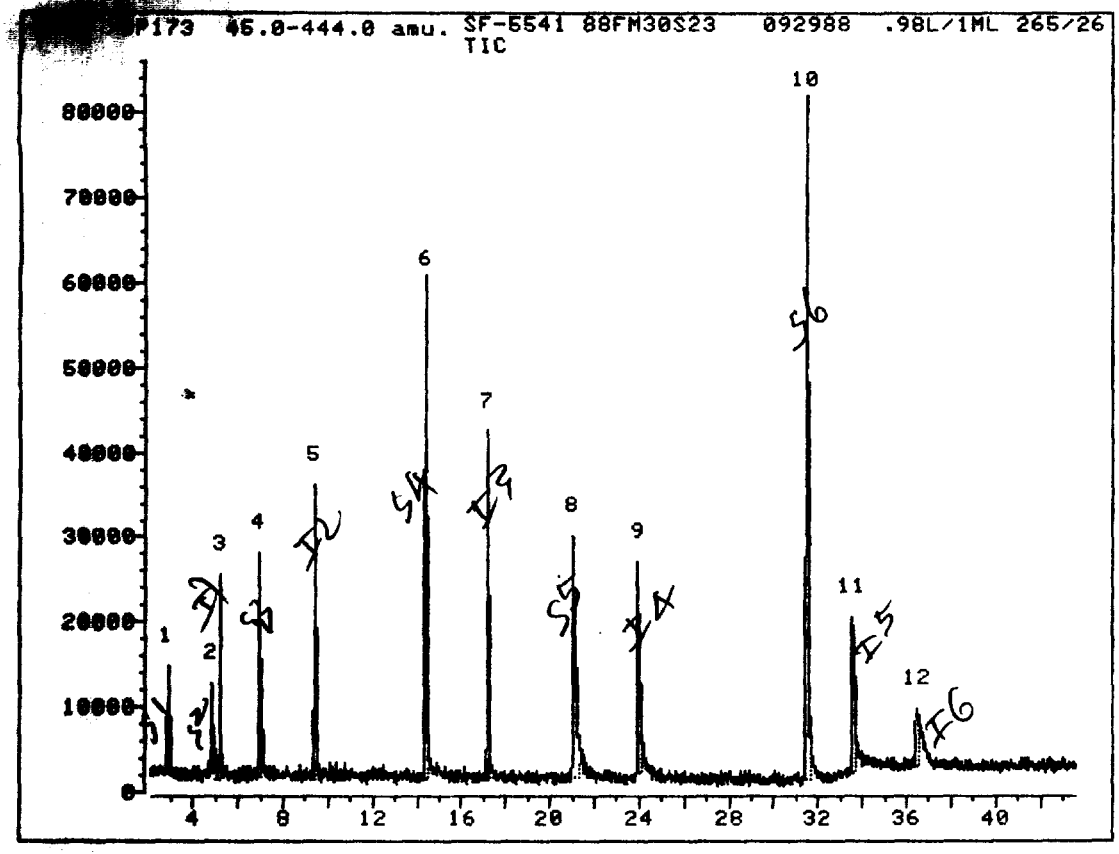
File GALSSK
Bpk Ab 9999
D10-PHENANTHRENE: ISTD#4
Scan 9
0.00 min.
188
66 80 94 108 132 160 183 220 231 298
File GALSSK
Bpk Ab 9999
D10-PHENANTHRENE: ISTD#4
Scan 9
0.00 min.
188
66 80 94 108 132 160 183 220 231 298
File GALSSK
Bpk Ab 9999
D10-PHENANTHRENE: ISTD#4
Scan 9
0.00 min.
188
66 80 94 108 132 160 183 220 231 298


File >BP172
Bpk Ab 9999
SF-5541 METHOD BLANK092998
1L/1ML 266/266
Scan 1658
31.40 min.
244
54 80 106 122 136 160 184 212 236 322
File GALSSK
Bpk Ab 9999
D14-TERPHENYL: SURR#6
Scan 10
0.00 min.
244
54 80 106 122 136 160 184 212 236 247
File GALSSK
Bpk Ab 9999
D14-TERPHENYL: SURR#6
Scan 10
0.00 min.
244
54 80 106 122 136 160 184 212 236 247
File GALSSK
Bpk Ab 9999
D14-TERPHENYL: SURR#6
Scan 10
0.00 min.
244
54 80 106 122 136 160 184 212 236 247


File >BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266 Scan 1775
Bpk Ab 9999 33.47 min.
240
66 106 120 156 194 207 281 327 355 409
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
80 120 160 200 240 280 320 360 400


File >BP172 SF-5541 METHOD BLANK092988 1L/1ML 266/266 Scan 1943
Bpk Ab 9999 36.43 min.
264
73 96 118 132 165 207 232 260 331 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 118 132 180 208 232 260 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 118 132 180 208 232 260 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 118 132 180 208 232 260
80 120 160 200 240 280 320 360

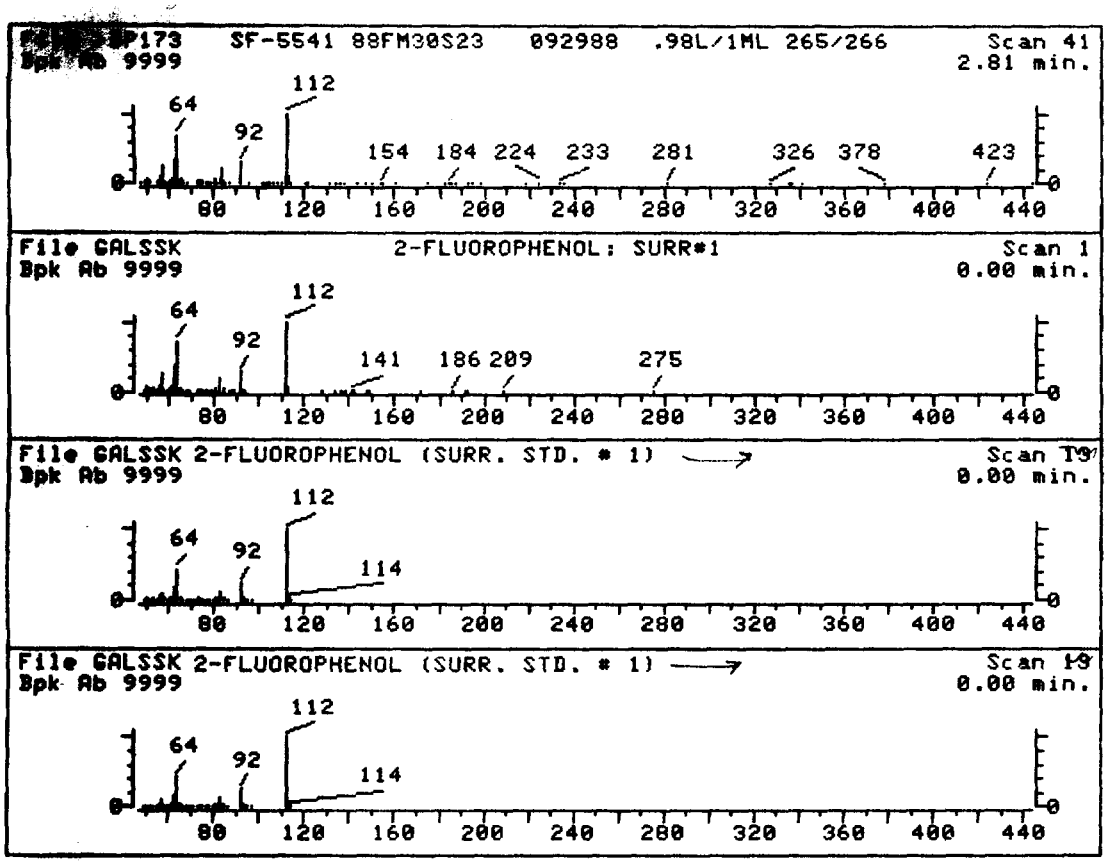

P173 45.0-444.0 amu. SF-5541 88FM30S23 092988 .98L/1ML 265/26
TIC
80000
70000
60000
50000
40000
30000
20000
10000
0
4
8
12
16
20
24
28
32
36
40
1
2
3
4
5
6
7
8
9
10
11
12

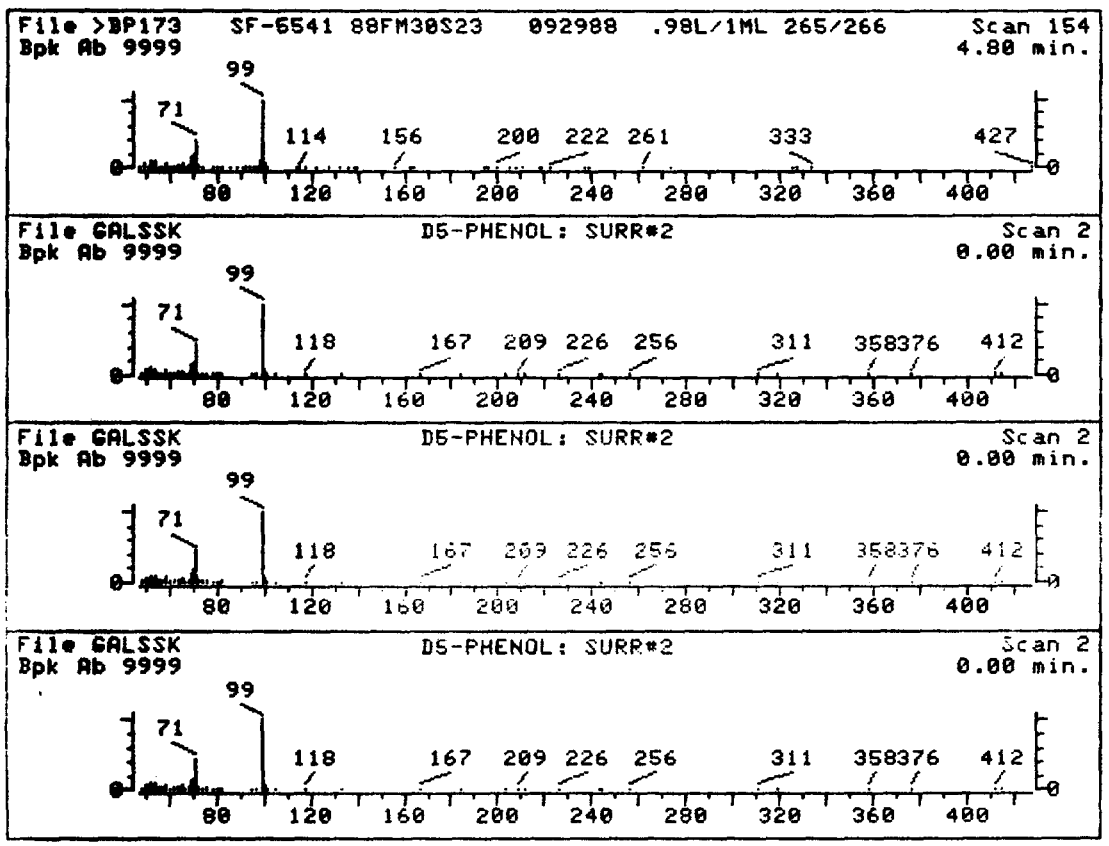
NO TICS

173 SF-5541 88FM30S23 092988 .98L/1ML 265/266
45.01 444.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

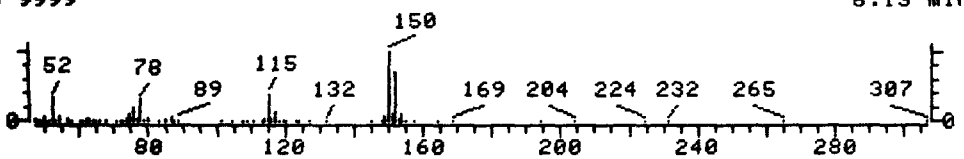
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.81	39	41	53	12508	89070	55140	11.17	2.933
2	4.80	152	154	162	10472	67419	43265	8.77	2.301
3	5.13	169	173	182	23997	117452	94756	19.20	5.040
4	6.92	270	274	281	26367	117739	96229	19.50	5.118
5	9.35	407	412	417	34693	131816	116068	23.52	6.173
6	14.36	691	696	706	59344	234333	208586	42.27	11.094
7	17.13	843	848	856	41008	184261	163179	33.07	8.679
8	21.02	1064	1069	1088	28352	270266	228099	46.23	12.132
9	23.95	1230	1235	1245	24809	187783	152768	30.96	8.125
10	31.40	1654	1657	1674	80363	527714	493424	100.00	26.244
11	33.48	1771	1775	1788	18246	210803	170564	34.57	9.072
12	36.42	1936	1942	1948	6656	98132	58037	11.76	3.087

Sum of corrected areas: 1880115.

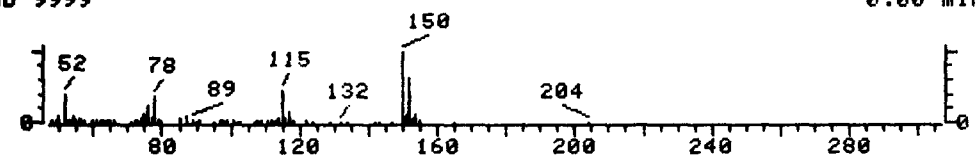

File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 41
Bpk Ab 9999 2.81 min.
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 19
Bpk Ab 9999 0.00 min.
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 19
Bpk Ab 9999 0.00 min.


File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 154
Bpk Ab 9999 4.80 min.
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

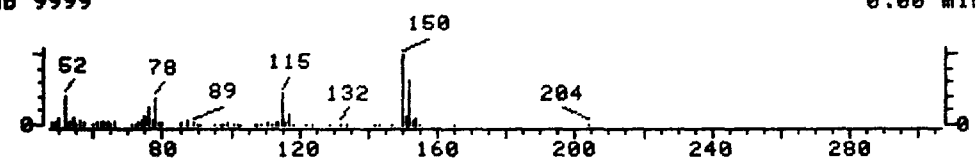
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 173
Bpk Ab 9999 5.13 min.



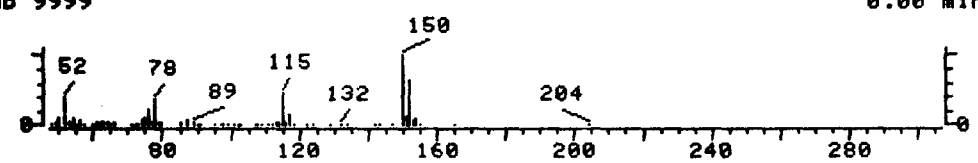
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



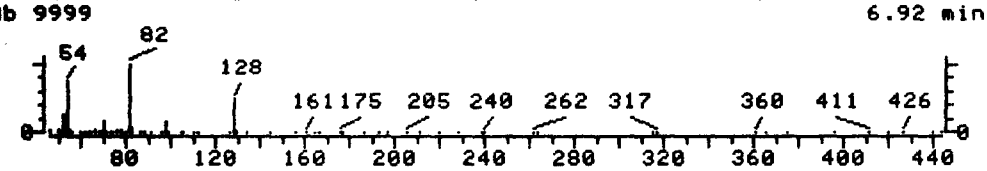
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



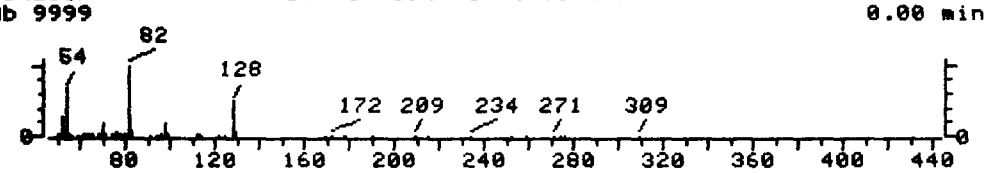
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



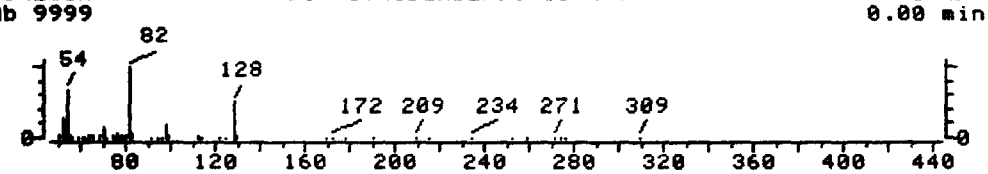
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 274
Bpk Ab 9999 6.92 min.



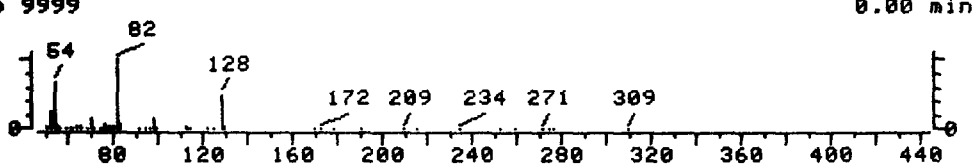
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.



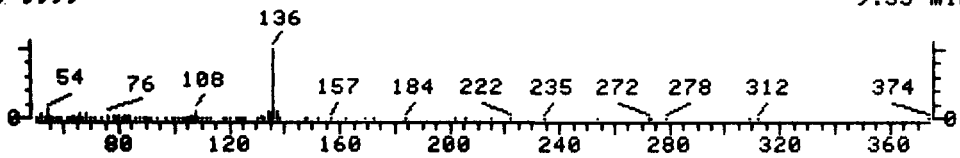
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.



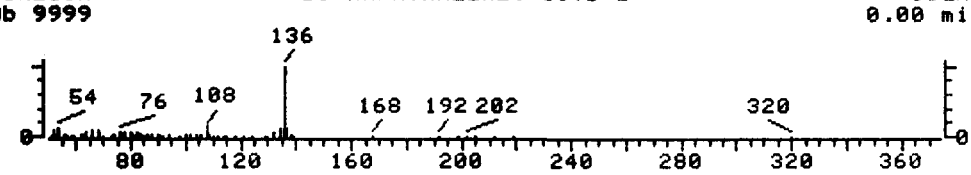
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.



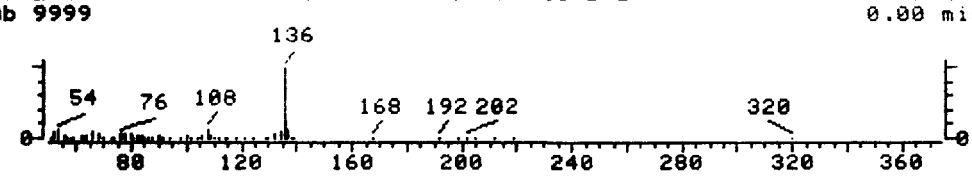
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 412
Bpk Ab 9999 9.35 min.



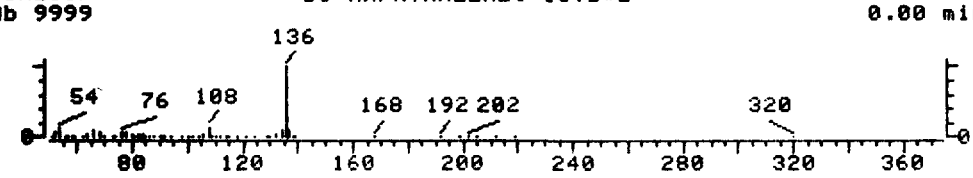
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



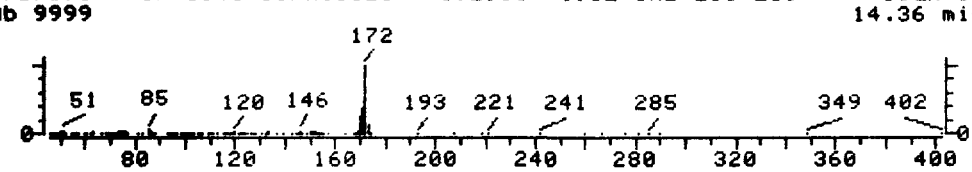
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



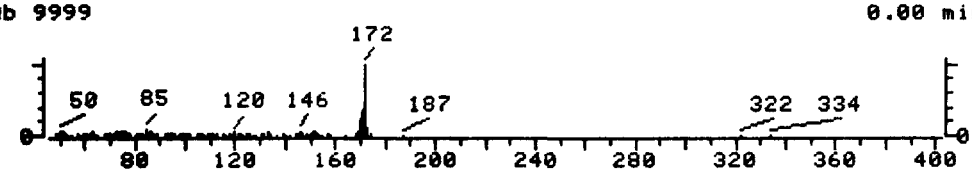
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



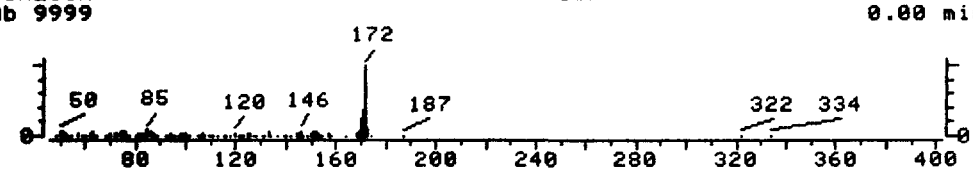
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 696
Bpk Ab 9999 14.36 min.



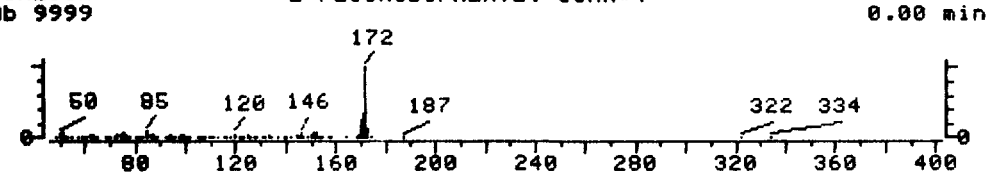
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.



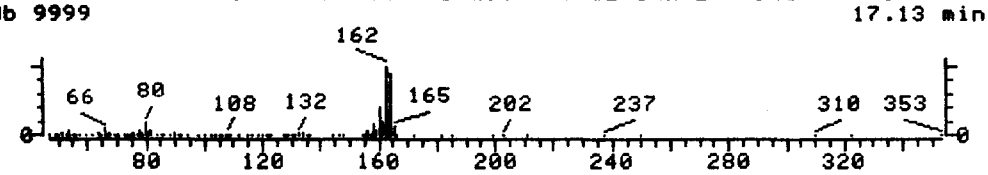
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.



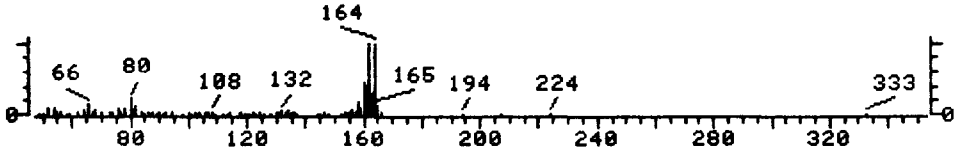
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.



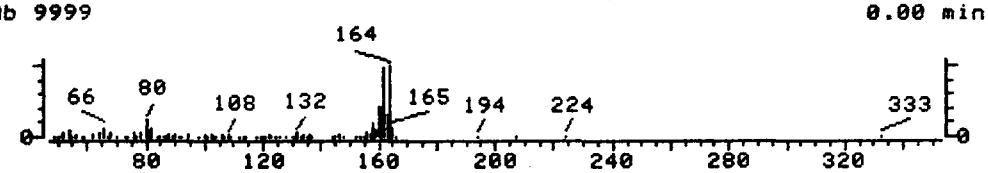
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 848
Bpk Ab 9999 17.13 min.



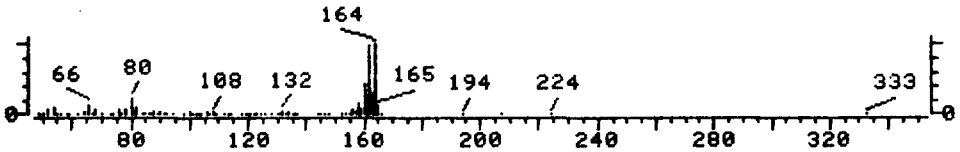
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.



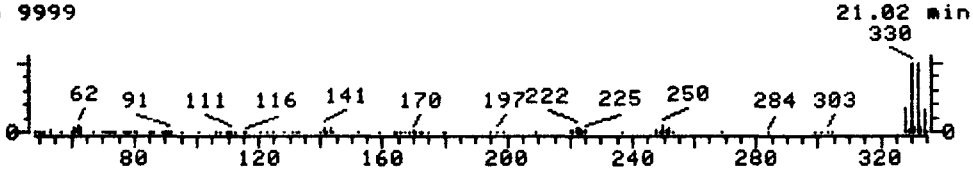
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.



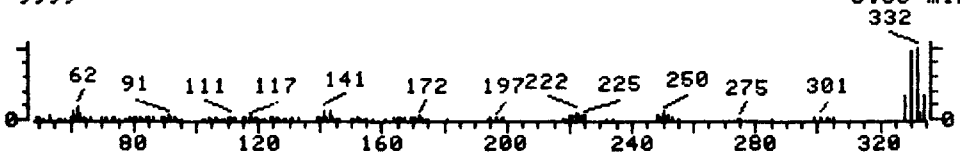
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.



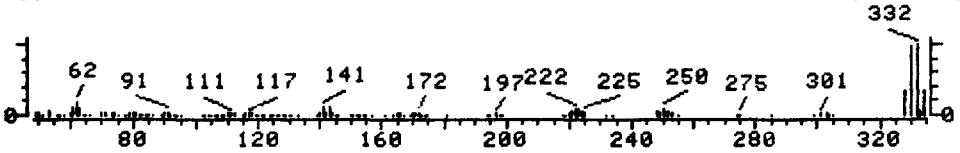
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 1069
Bpk Ab 9999 21.02 min.



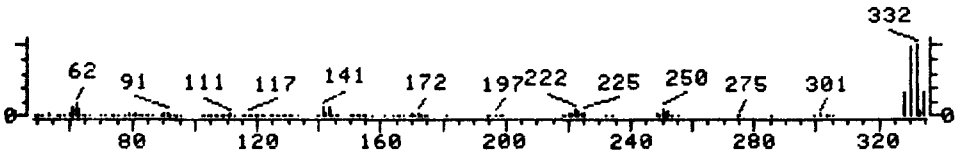
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.



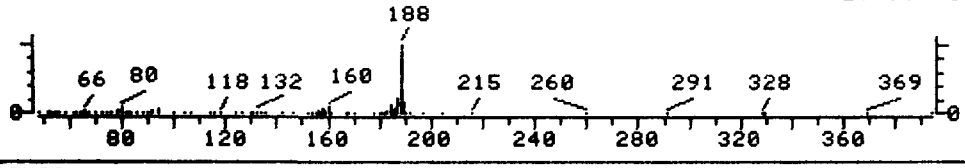
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.



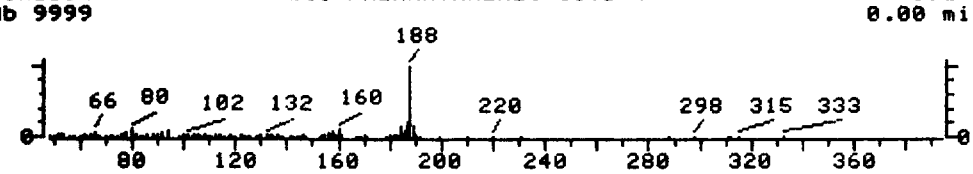
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.



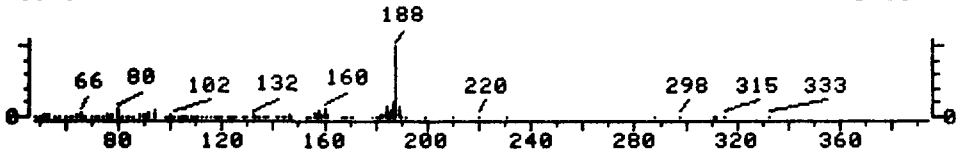
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 1235
Bpk Ab 9999 23.95 min.



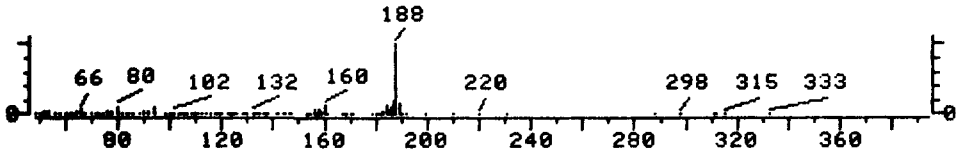
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.



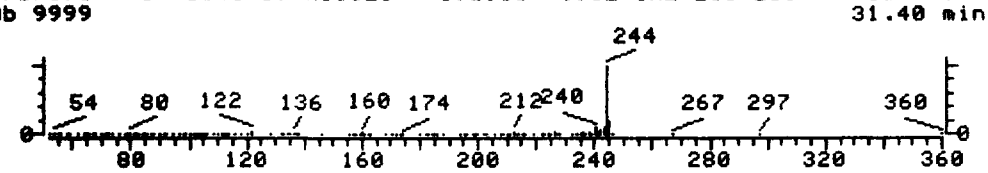
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.



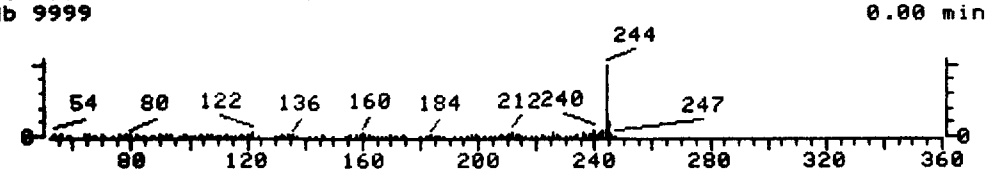
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.



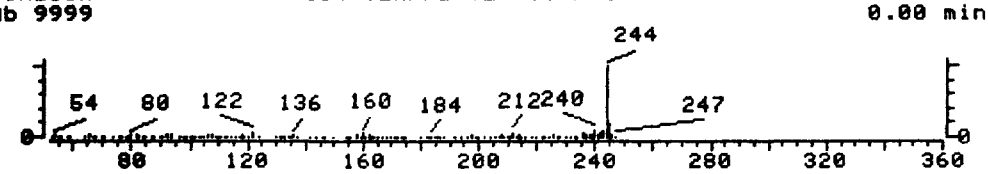
File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 1657
Bpk Ab 9999 31.40 min.



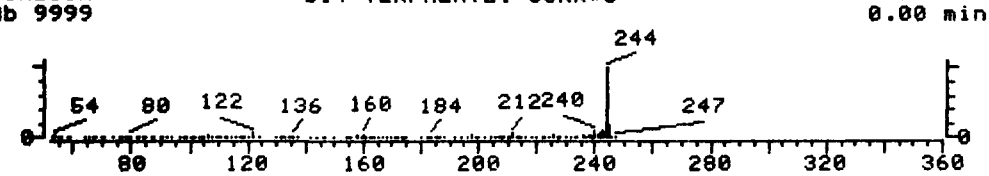
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.

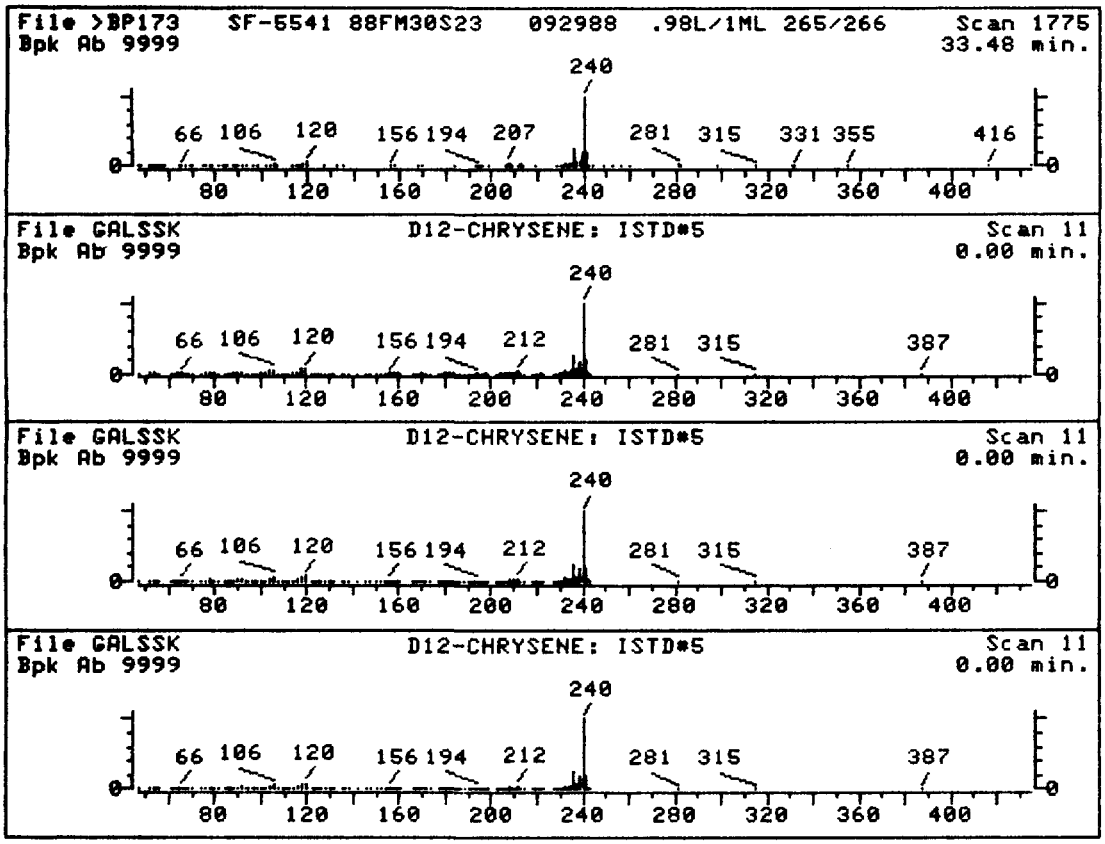


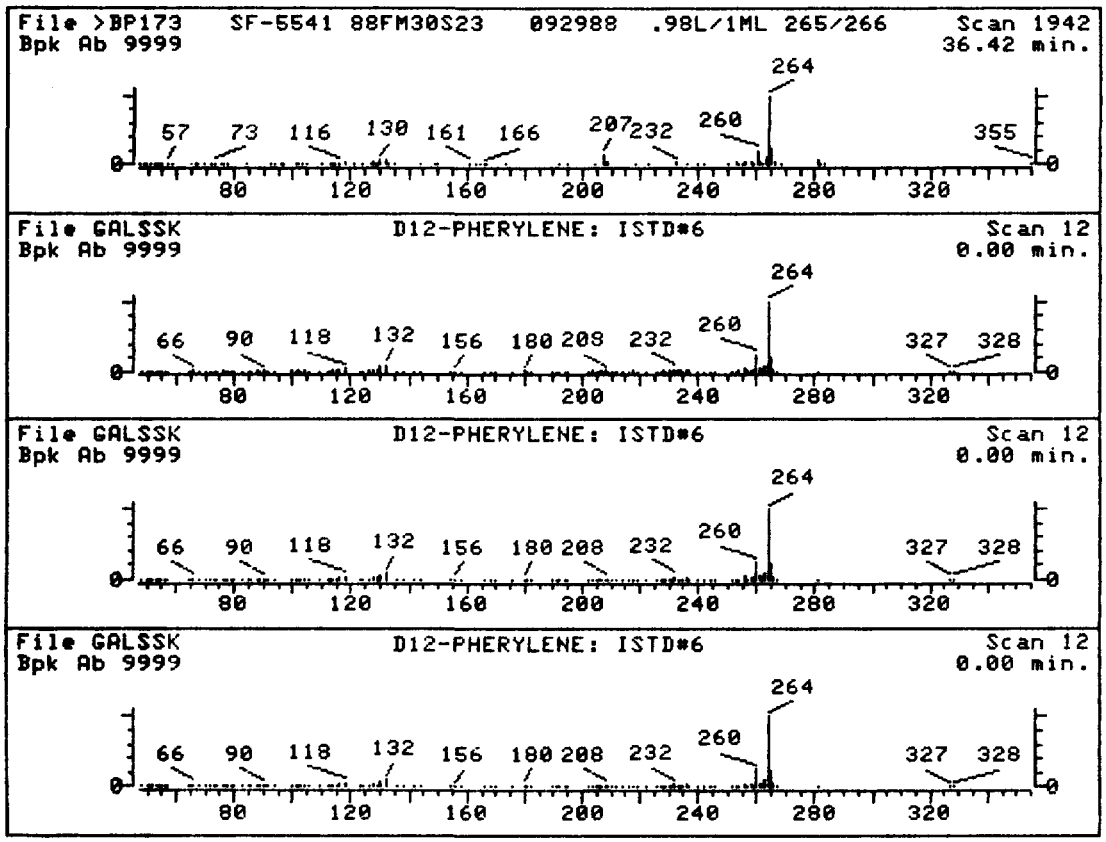
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.

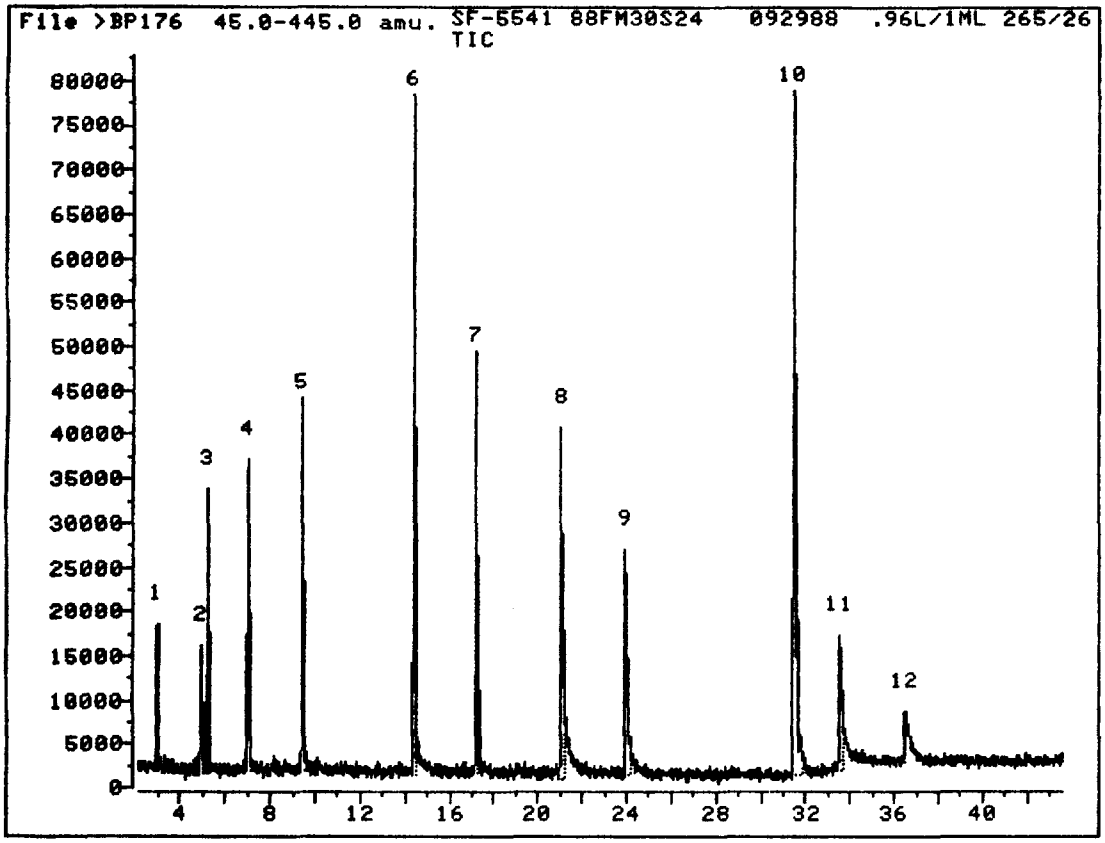


File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.




File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 1775
Bpk Ab 9999 33.48 min.
240
66 106 120 156 194 207 281 315 331 355 416
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387


File >BP173 SF-5541 88FM30S23 092988 .98L/1ML 265/266 Scan 1942
Bpk Ab 9999 36.42 min.
264
57 73 116 130 161 166 207 232 260 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
66 90 118 132 156 180 208 232 260 327 328
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
66 90 118 132 156 180 208 232 260 327 328
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
66 90 118 132 156 180 208 232 260 327 328

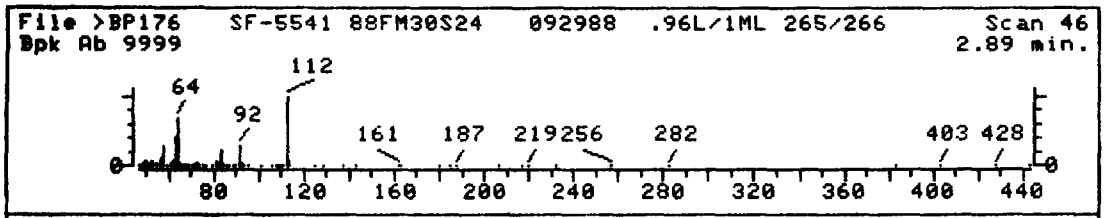

File >BP176 45.0-445.0 amu. SF-5541 88FM30S24 092988 .96L/1ML 265/26
TIC
80000
75000
70000
65000
60000
55000
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
4
8
12
16
20
24
28
32
36
40
1
2
3
4
5
6
7
8
9
10
11
12

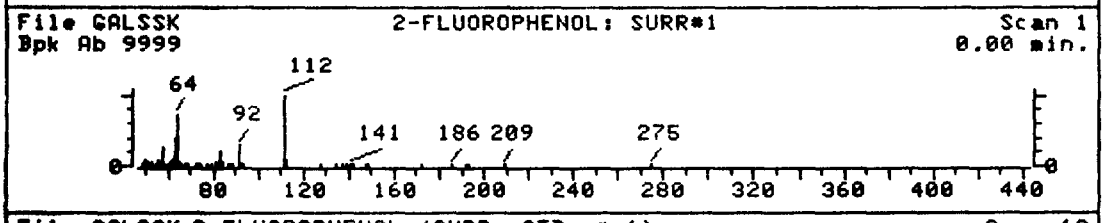
NO TICS

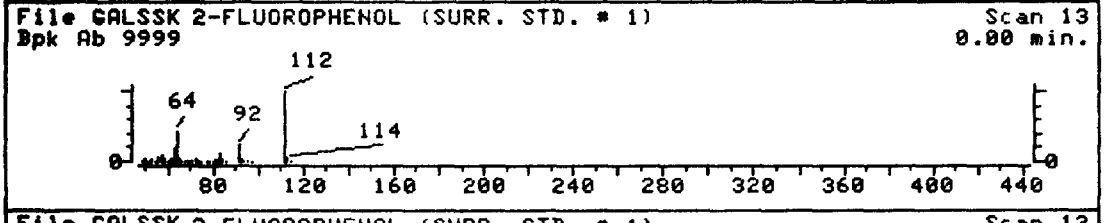
>BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

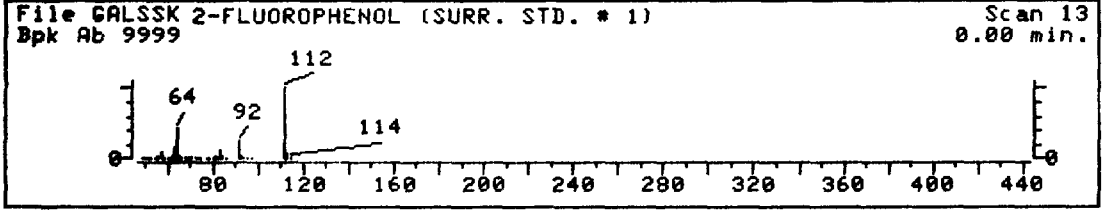
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.89	42	46	55	16554	106886	79570	15.66	3.812
2	4.85	154	157	164	14419	79159	60921	11.99	2.919
3	5.19	171	176	180	31955	124735	107812	21.22	5.165
4	6.95	273	276	286	35179	152226	124763	24.56	5.977
5	9.37	409	413	421	42373	164912	141197	27.79	6.764
6	14.38	693	697	707	77208	293205	272923	53.72	13.075
7	17.15	849	854	861	47857	198138	177544	34.95	8.506
8	21.02	1069	1074	1087	39733	285367	266249	52.41	12.755
9	23.95	1236	1240	1253	25479	192705	165515	32.58	7.929
10	31.40	1659	1662	1688	77395	558527	508027	100.00	24.338
11	33.50	1773	1779	1791	15260	182658	143746	28.29	6.886
12	36.44	1939	1946	1949	5822	69647	39114	7.70	1.874

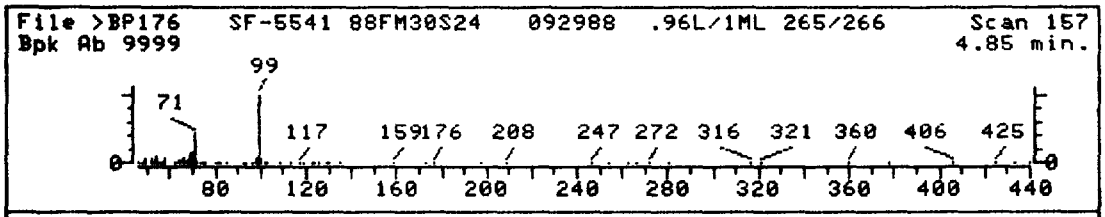
Sum of corrected areas: 2087381.

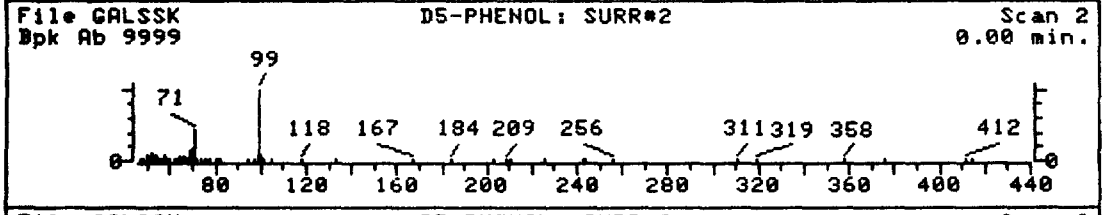

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266
Scan 46
Bpk Ab 9999
2.89 min.
64
92
112
161
187
219256
282
403 428
0
80 120 160 200 240 280 320 360 400 440

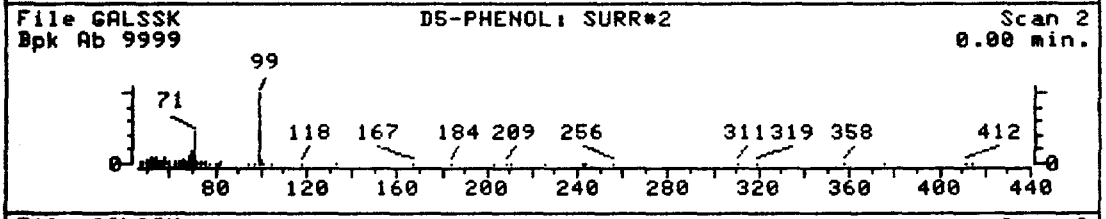

File GALSSK
2-FLUOROPHENOL: SURR#1
Scan 1
Bpk Ab 9999
0.00 min.
64
92
112
141
186 209
275
0
80 120 160 200 240 280 320 360 400 440

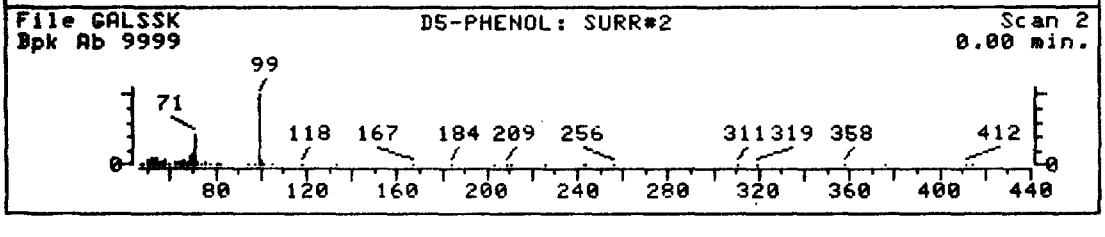

File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1)
Scan 13
Bpk Ab 9999
0.00 min.
64
92
112
114
0
80 120 160 200 240 280 320 360 400 440

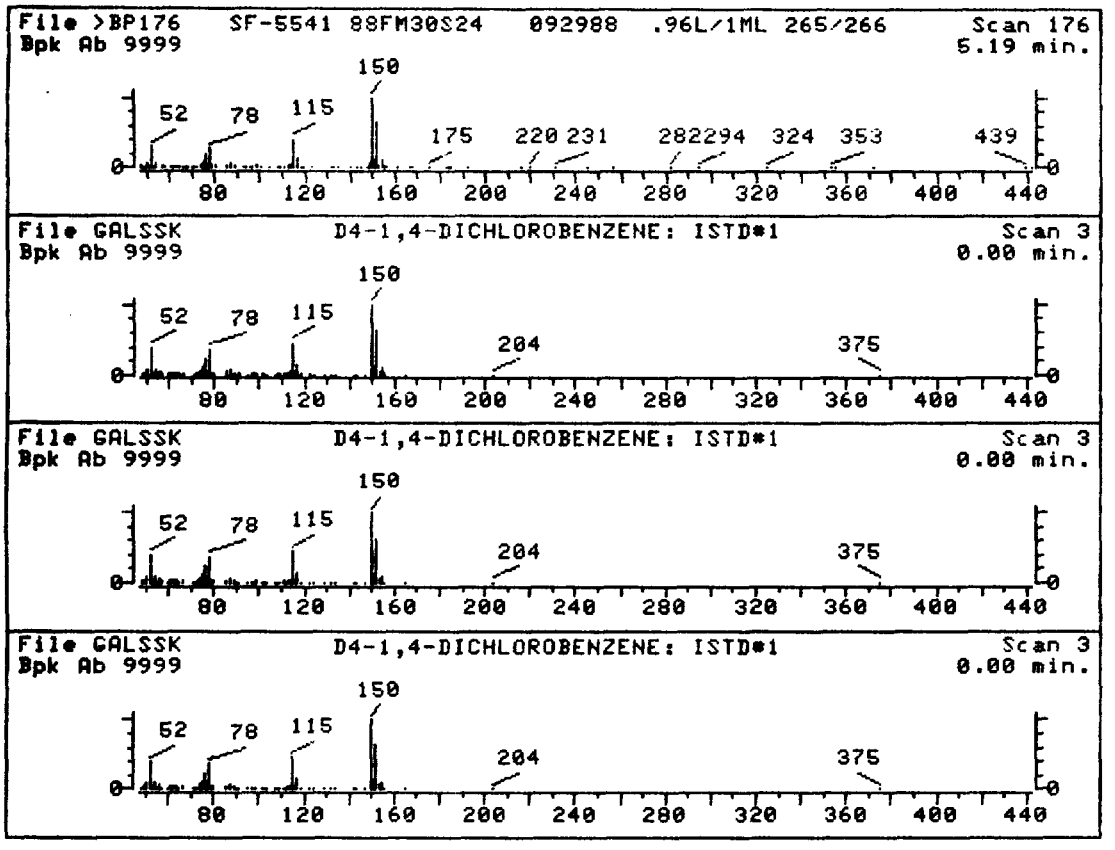

File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1)
Scan 13
Bpk Ab 9999
0.00 min.
64
92
112
114
0
80 120 160 200 240 280 320 360 400 440

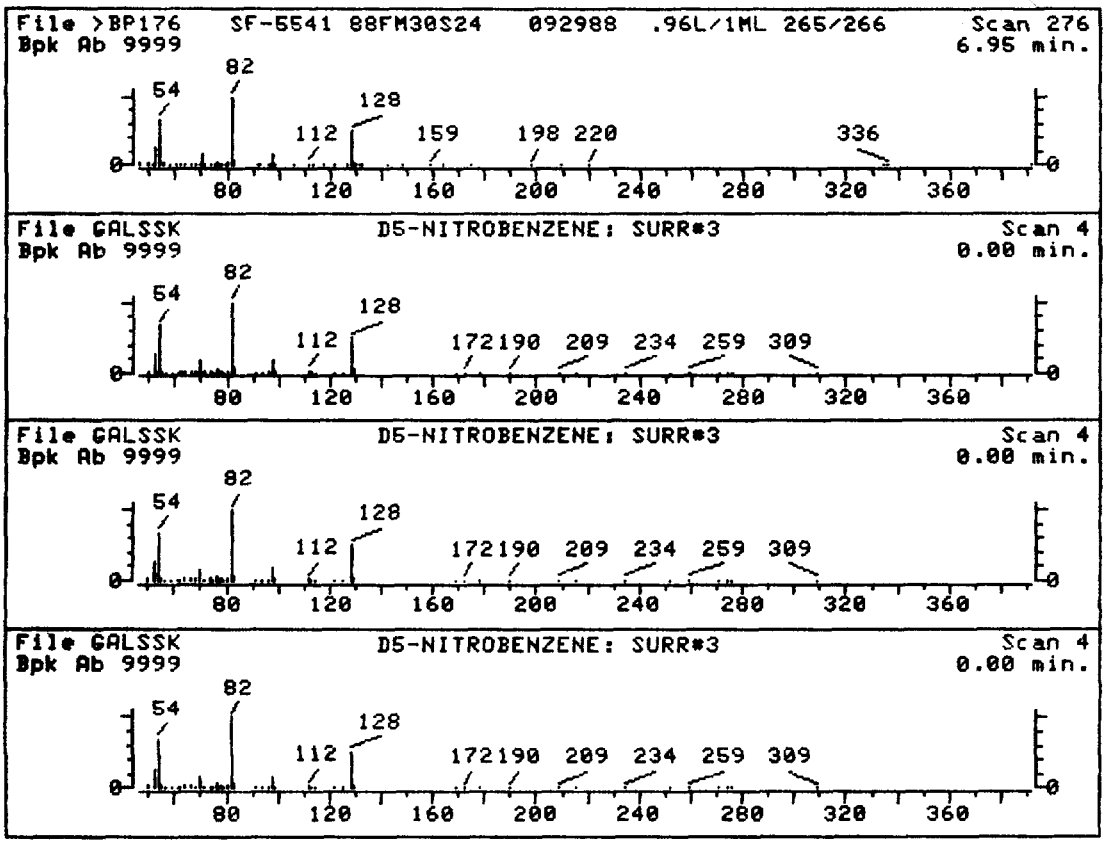

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266
Scan 157
Bpk Ab 9999
4.85 min.
71
99
117
159176
208
247 272
316
321
360
406
425
0
80 120 160 200 240 280 320 360 400 440

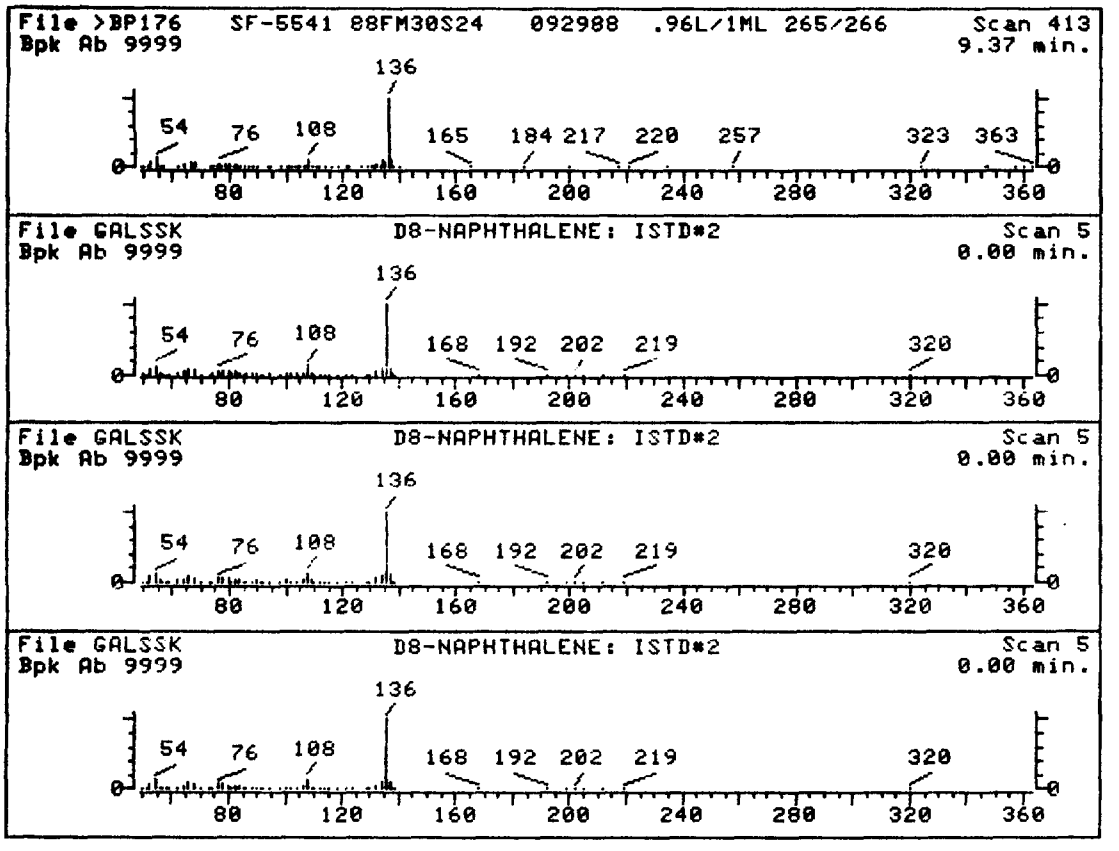

File GALSSK
D5-PHENOL: SURR#2
Scan 2
Bpk Ab 9999
0.00 min.
71
99
118
167
184 209
256
311319
358
412
0
80 120 160 200 240 280 320 360 400 440

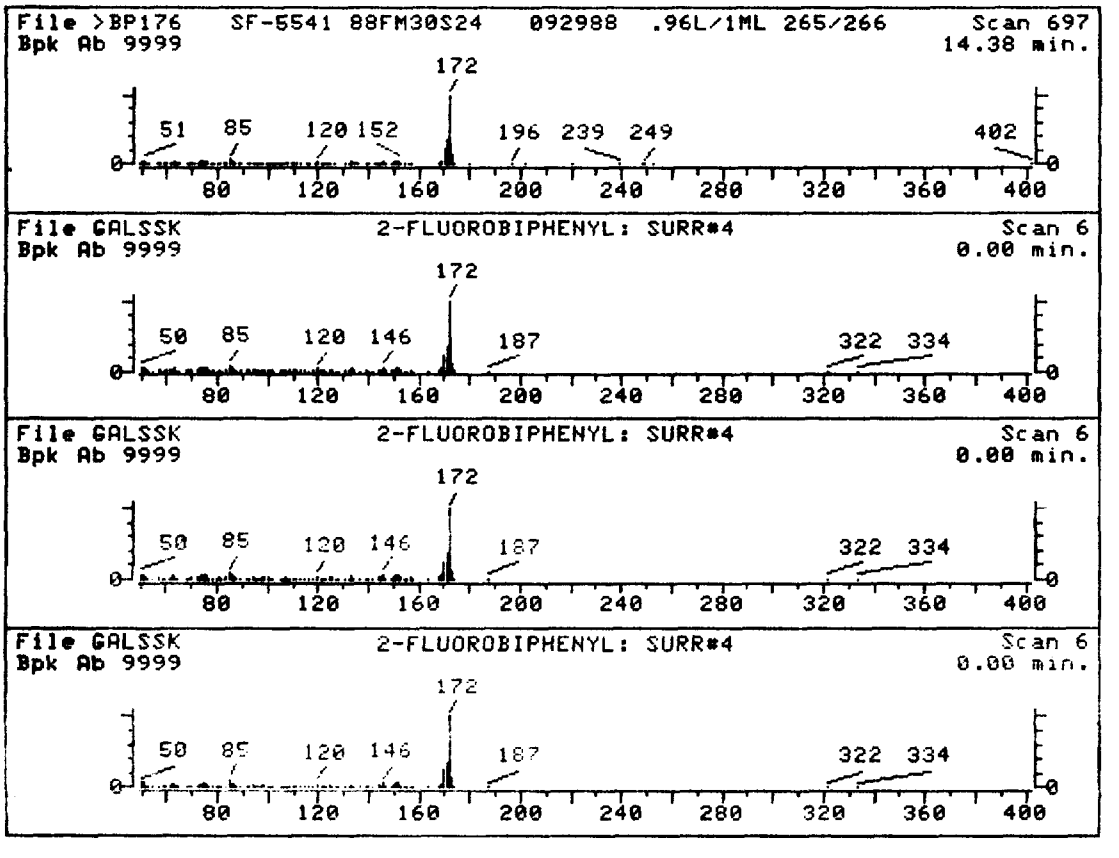

File GALSSK
D5-PHENOL: SURR#2
Scan 2
Bpk Ab 9999
0.00 min.
71
99
118
167
184 209
256
311319
358
412
0
80 120 160 200 240 280 320 360 400 440

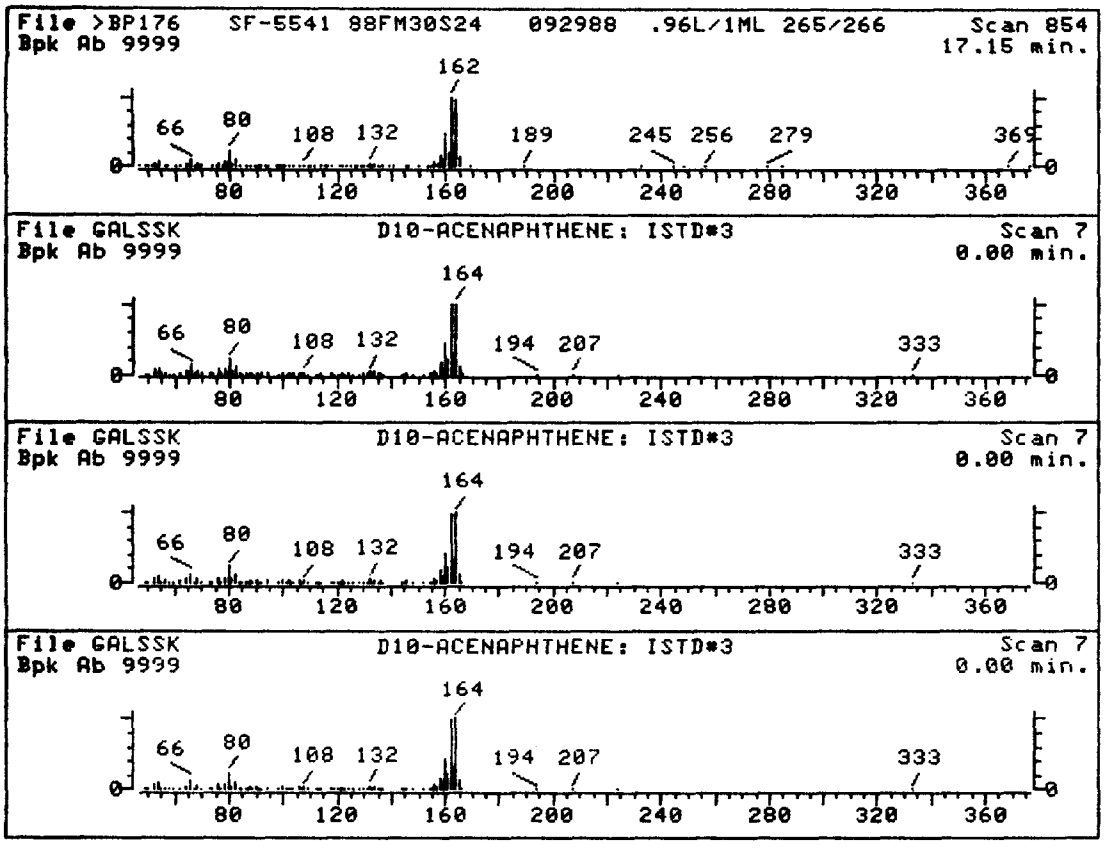

File GALSSK
D5-PHENOL: SURR#2
Scan 2
Bpk Ab 9999
0.00 min.
71
99
118
167
184 209
256
311319
358
412
0
80 120 160 200 240 280 320 360 400 440

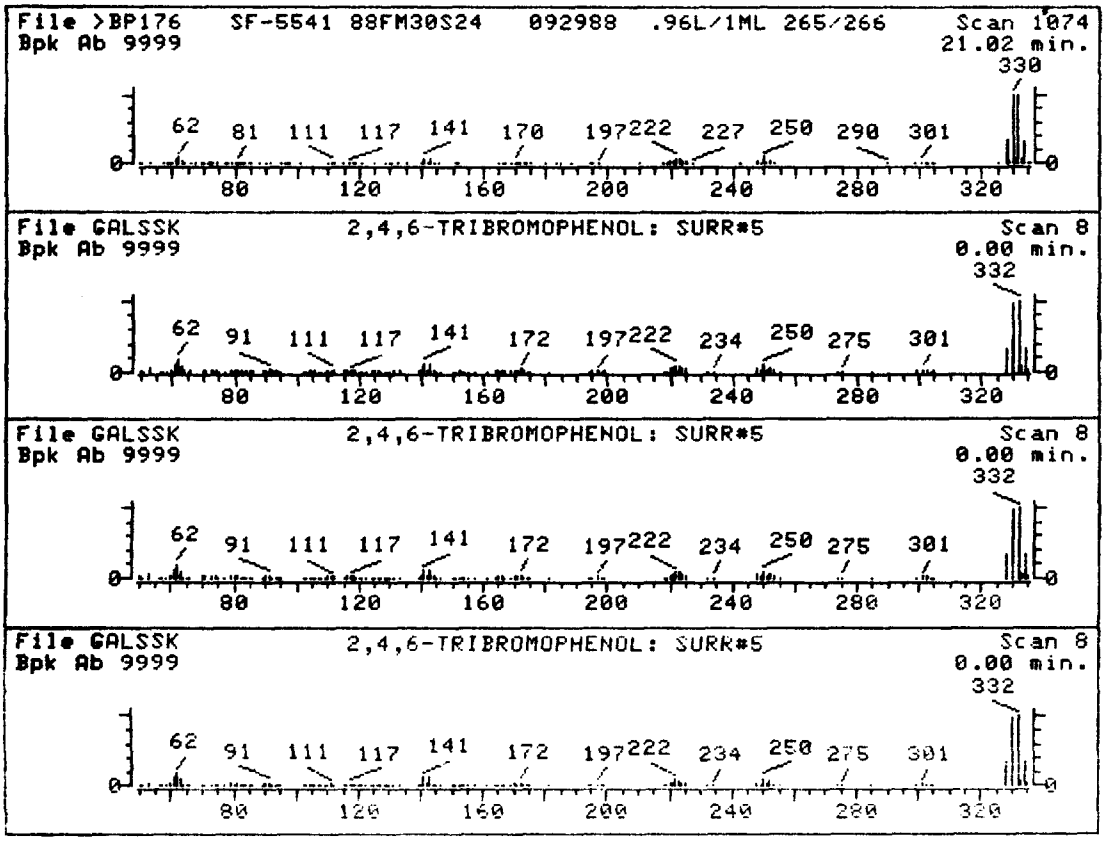

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 176
Bpk Ab 9999 5.19 min.
150
52 78 115 175 220 231 282294 324 353 439
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 115 204 375
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 115 204 375
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 115 204 375
0 80 120 160 200 240 280 320 360 400 440

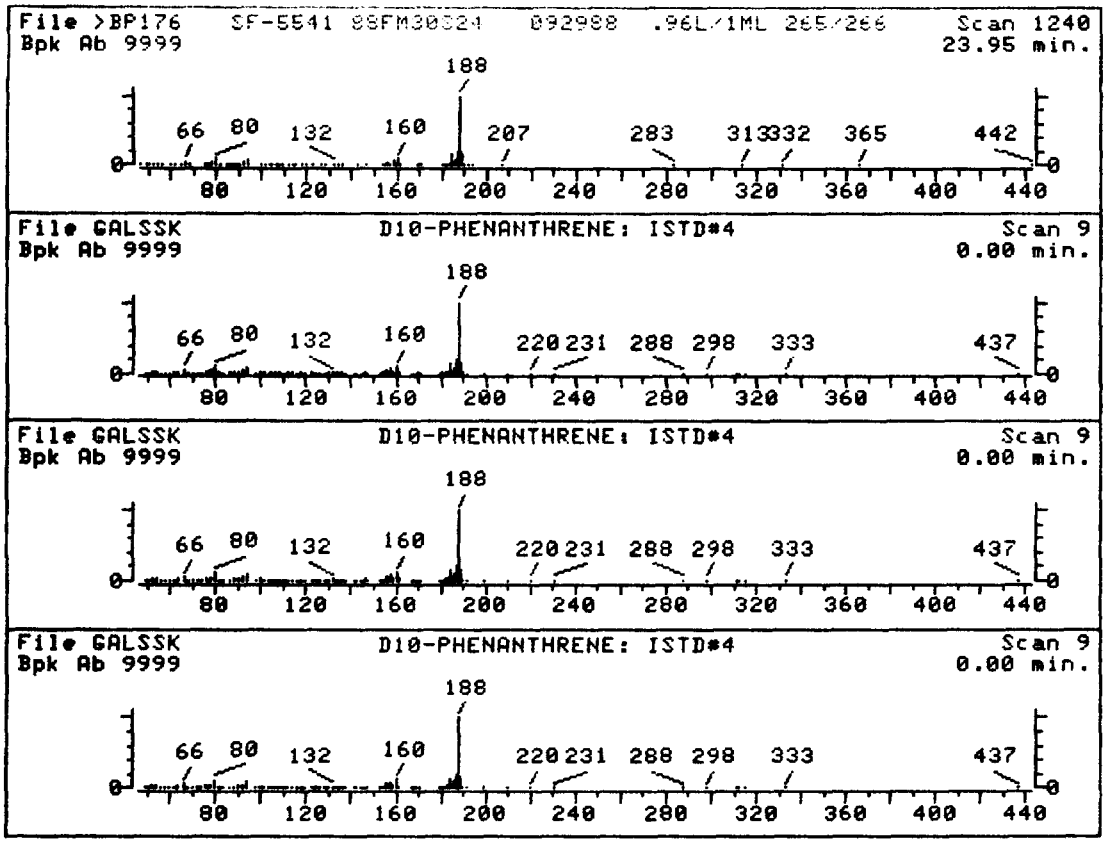

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 276
Bpk Ab 9999 6.95 min.
82
54 128 112 159 198 220 336
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82
54 128 112 172190 209 234 259 309
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82
54 128 112 172190 209 234 259 309
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82
54 128 112 172190 209 234 259 309
0 80 120 160 200 240 280 320 360

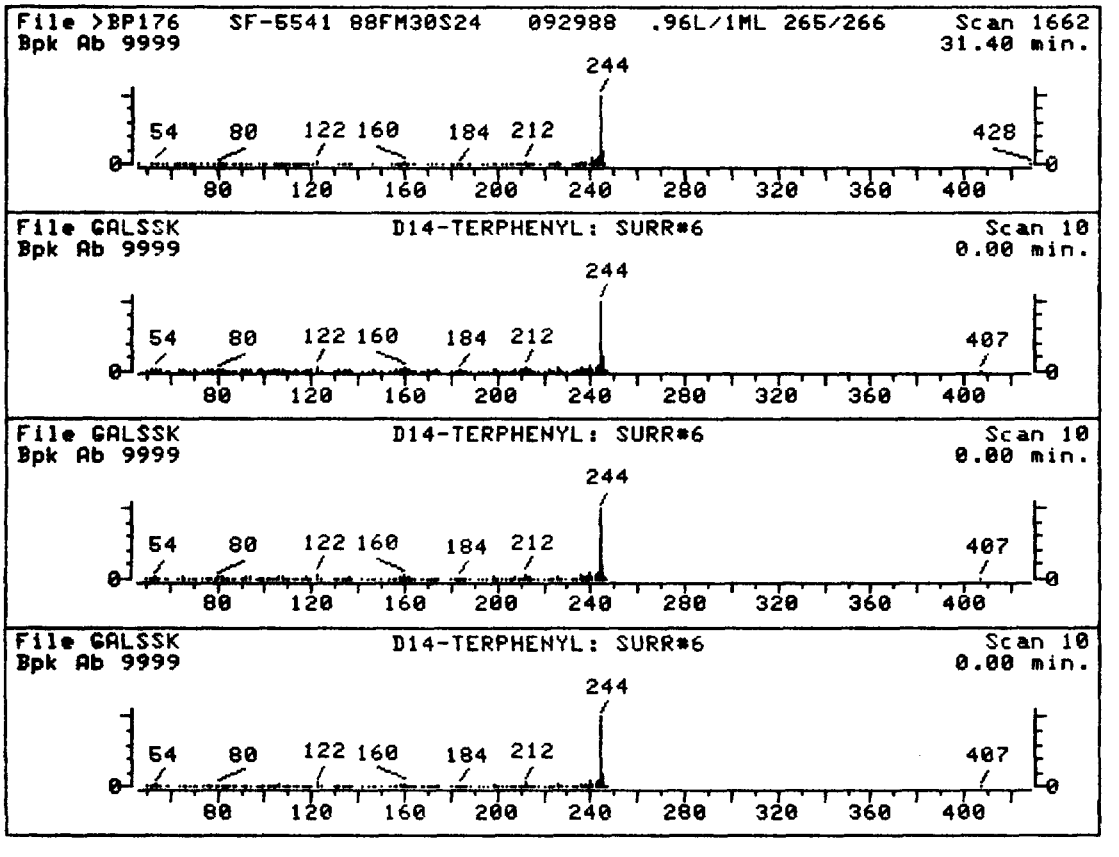

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 413
Bpk Ab 9999 9.37 min.
136
54 76 108 165 184 217 220 257 323 363
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 108 168 192 202 219 320
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 108 168 192 202 219 320
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 108 168 192 202 219 320
0 80 120 160 200 240 280 320 360

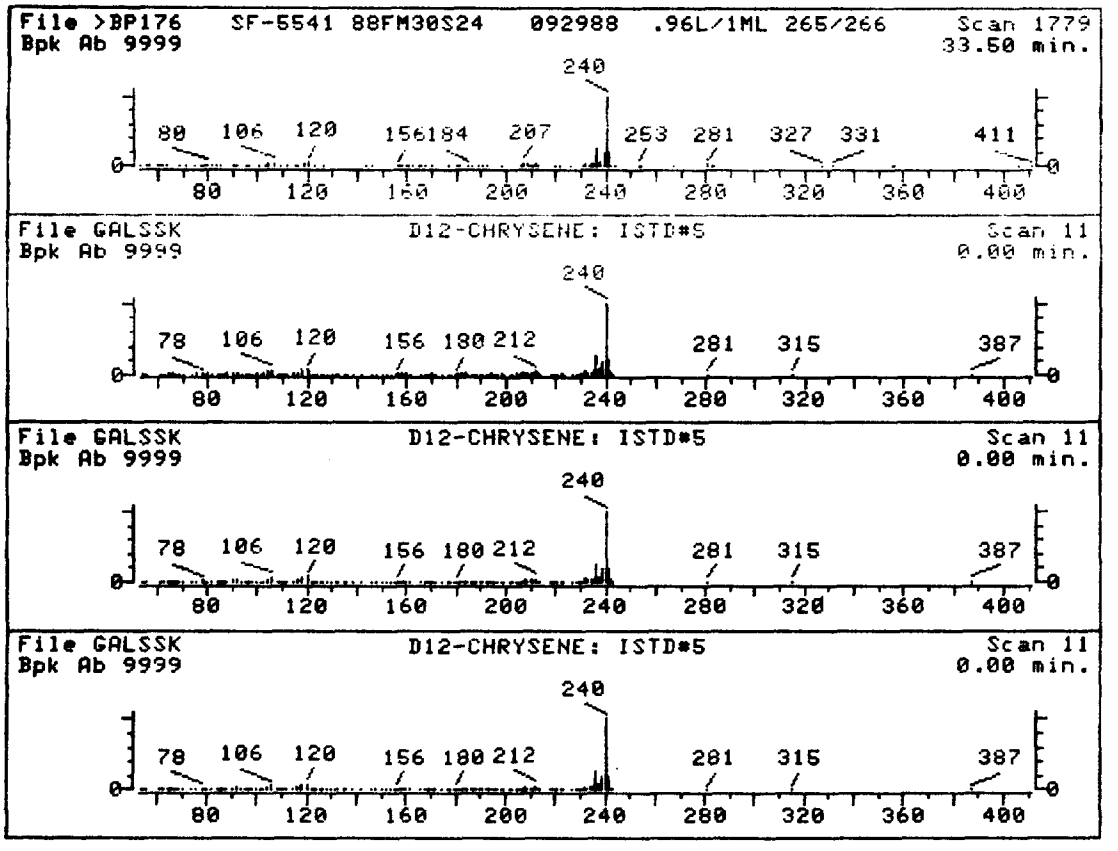

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 697
Bpk Ab 9999 14.38 min.
172
51 85 120 152 196 239 249 402
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 120 146 187 322 334
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 120 146 187 322 334
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 120 146 187 322 334
0 80 120 160 200 240 280 320 360 400

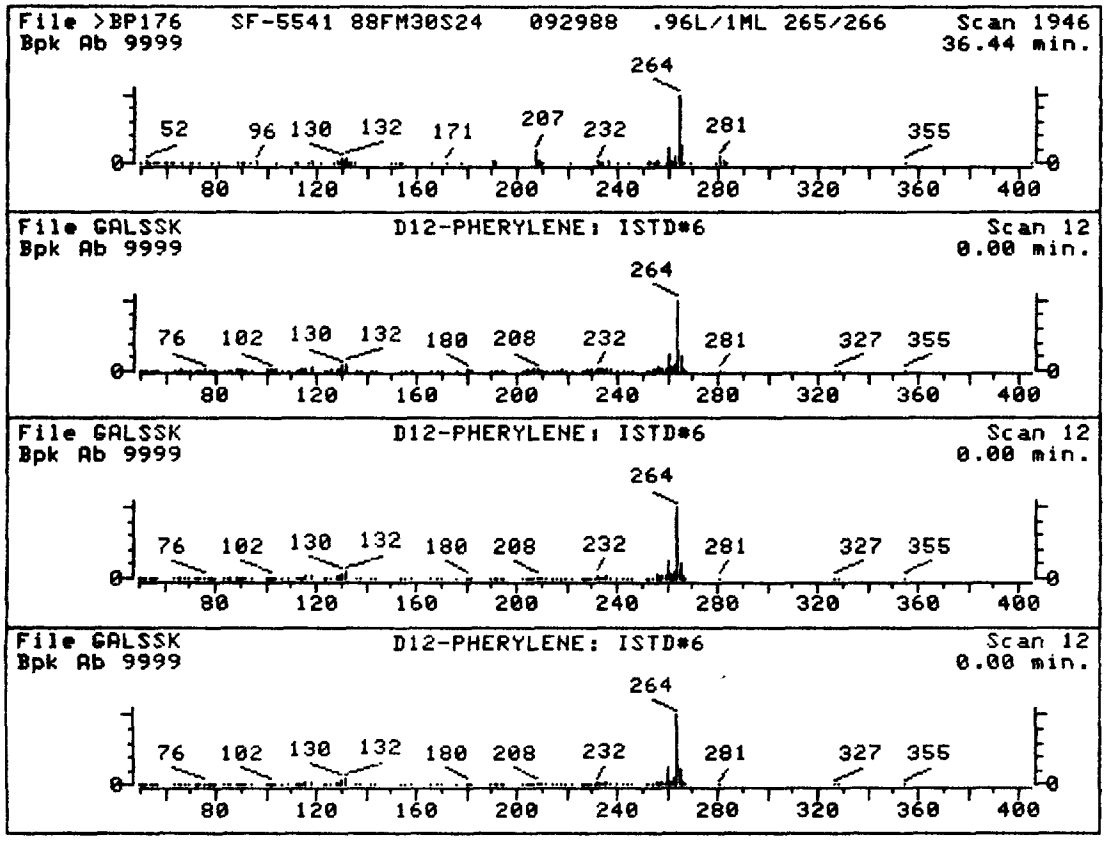

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 854
Bpk Ab 9999 17.15 min.
162
66 80 108 132 189 245 256 279 369
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 108 132 194 207 333
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 108 132 194 207 333
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 108 132 194 207 333
0 80 120 160 200 240 280 320 360

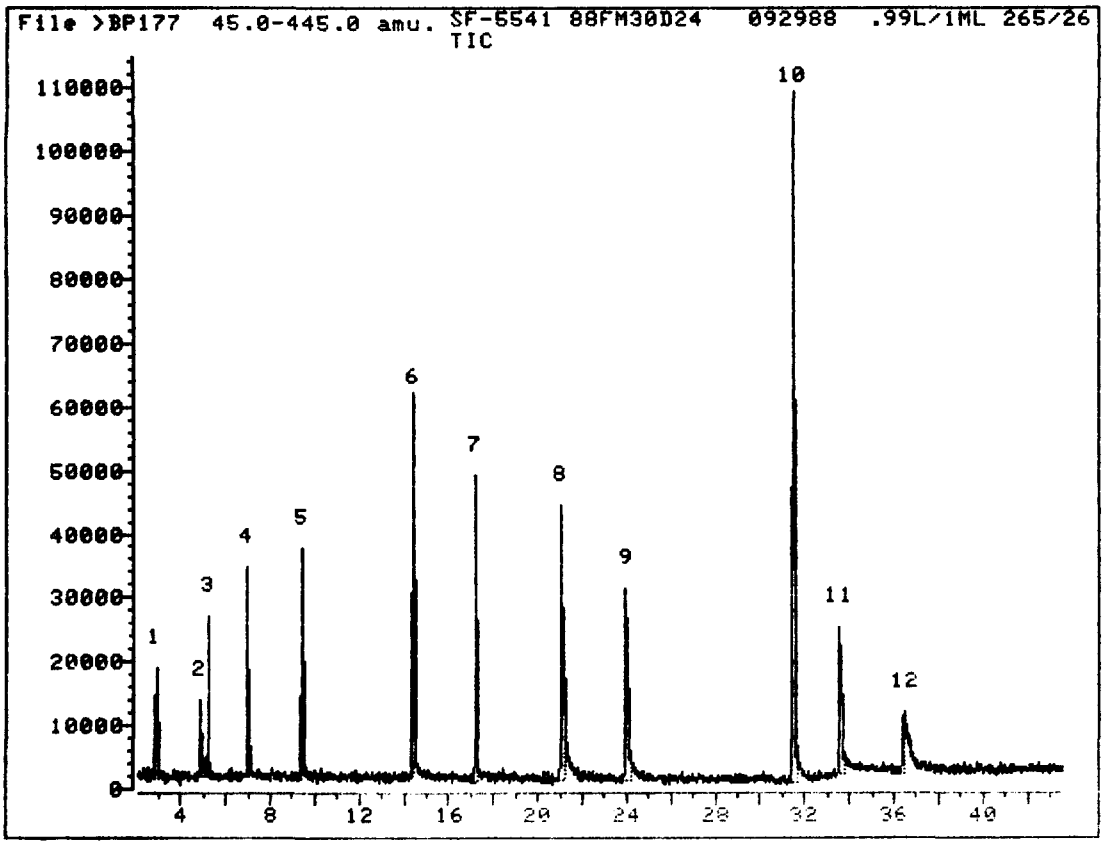

File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 1074
Bpk Ab 9999 21.02 min.
330
62 81 111 117 141 170 197 222 227 250 290 301
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 234 250 275 301
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 234 250 275 301
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 234 250 275 301
0 80 120 160 200 240 280 320


File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 1240
Bpk Ab 9999 23.95 min.
188
66 80 132 160 207 283 313 332 365 442
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 132 160 220 231 288 298 333 437
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 132 160 220 231 288 298 333 437
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 132 160 220 231 288 298 333 437
0 80 120 160 200 240 280 320 360 400 440


File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 1662
Bpk Ab 9999 31.40 min.
244
54 80 122 160 184 212 428
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 160 184 212 407
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 160 184 212 407
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 160 184 212 407
0 80 120 160 200 240 280 320 360 400


File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 1779
Bpk Ab 9999 33.50 min.
240
80 106 120 156184 207 253 281 327 331 411
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
78 106 120 156 180 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
78 106 120 156 180 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
78 106 120 156 180 212 281 315 387
0 80 120 160 200 240 280 320 360 400


File >BP176 SF-5541 88FM30S24 092988 .96L/1ML 265/266 Scan 1946
Bpk Ab 9999 36.44 min.
264
52 96 130 132 171 207 232 281 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 130 132 180 208 232 281 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 130 132 180 208 232 281 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 130 132 180 208 232 281 327 355
0 80 120 160 200 240 280 320 360 400


File >BP177 45.0-445.0 amu. SF-5541 88FM30D24 092988 .99L/1ML 265/26
TIC
110000
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
4
5
6
7
8
9
10
11
12
4
8
12
16
20
24
28
32
36
40

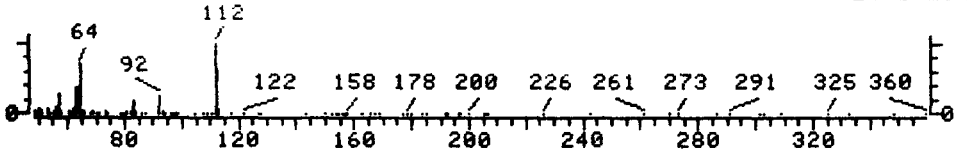
NO TICs

>BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

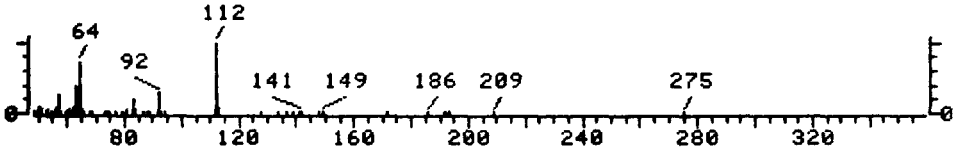
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.80	38	41	52	17569	97772	72818	12.62	3.374
2	4.80	151	154	162	11917	75141	49669	8.61	2.301
3	5.13	169	173	179	25069	113860	92972	16.11	4.308
4	6.91	271	274	281	32794	127632	105943	18.36	4.908
5	9.35	407	412	416	36130	139768	122685	21.26	5.684
6	14.36	692	696	702	60454	232324	214545	37.17	9.940
7	17.14	848	854	865	48158	210811	193313	33.49	8.956
8	21.02	1068	1074	1083	42984	275603	253309	43.89	11.736
9	23.95	1235	1240	1252	30100	213602	189116	32.77	8.762
10	31.38	1658	1661	1680	108316	600726	577159	100.00	26.741
11	33.46	1775	1779	1796	22919	263702	208542	36.13	9.662
12	36.42	1937	1947	1951	9703	114745	78298	13.57	3.628

Sum of corrected areas: 2158369.

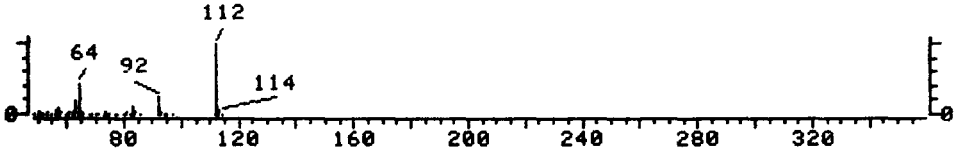
File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 41
Bpk Ab 9999 2.80 min.



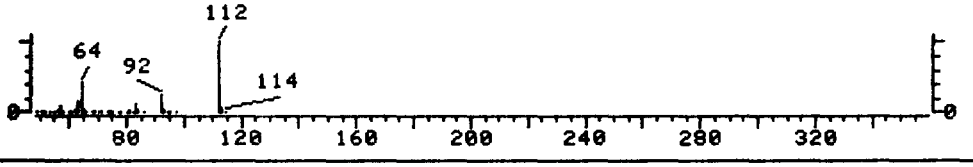
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.



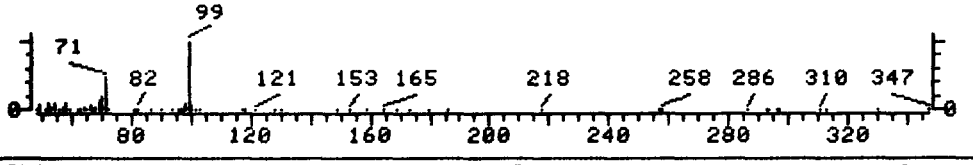
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.



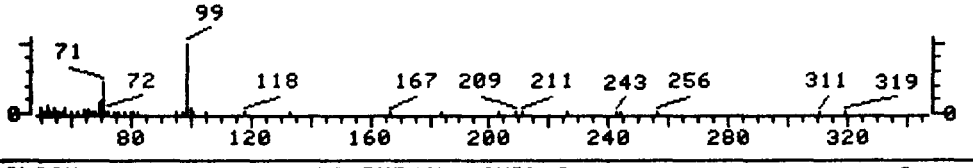
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.



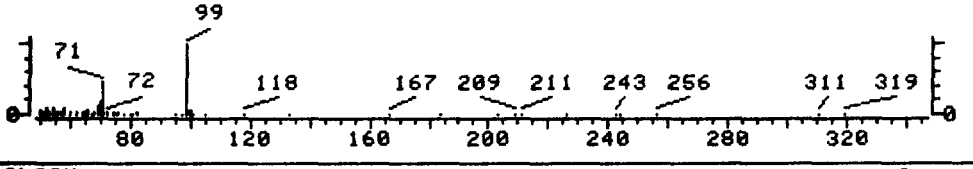
File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 154
Bpk Ab 9999 4.80 min.



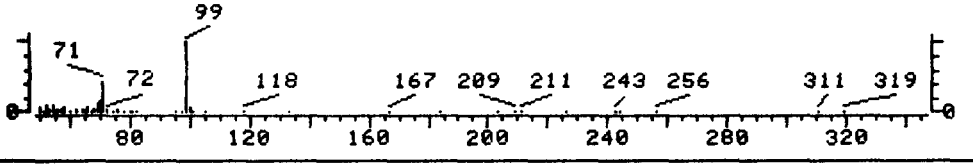
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

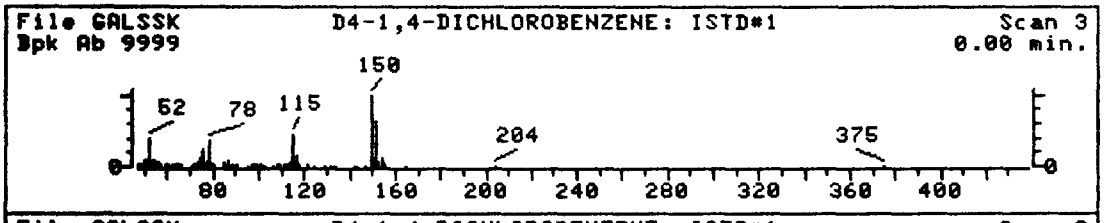


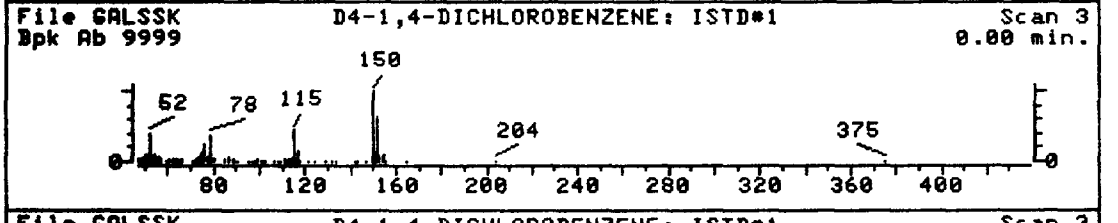
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

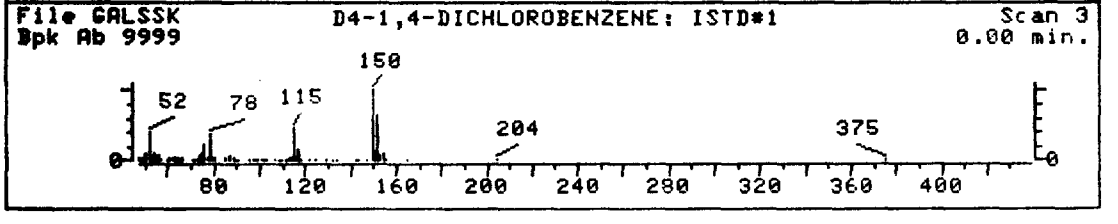


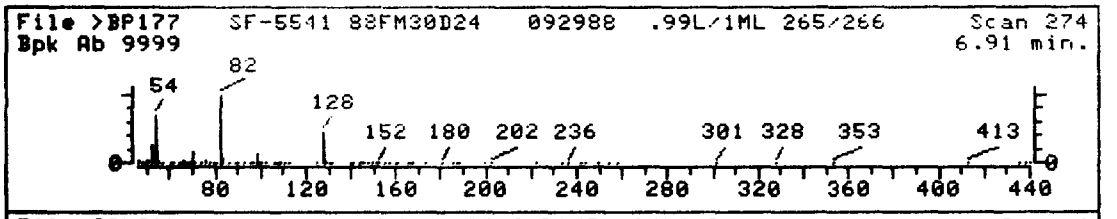
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

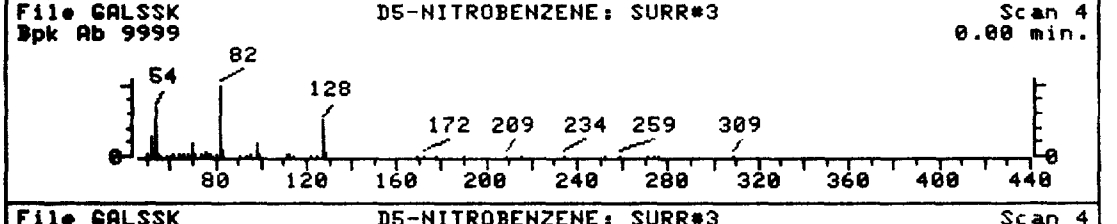


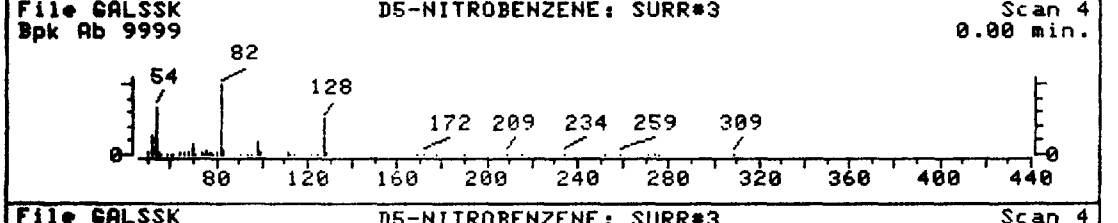

File GALSSK
Bpk Ab 9999
D4-1,4-DICHLOROBENZENE: ISTD#1
Scan 3
0.00 min.
150
52
78
115
204
375
80 120 160 200 240 280 320 360 400

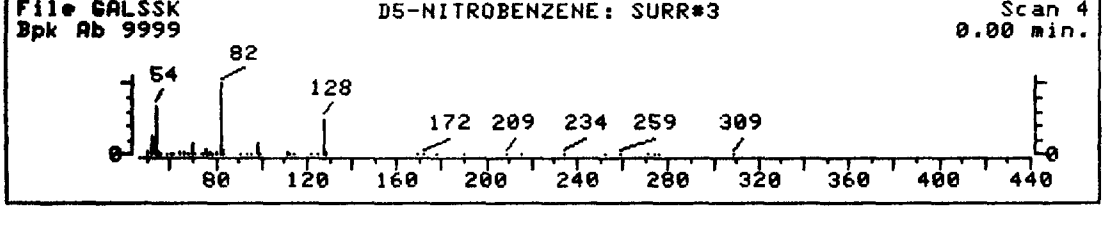

File GALSSK
Bpk Ab 9999
D4-1,4-DICHLOROBENZENE: ISTD#1
Scan 3
0.00 min.
150
52
78
115
204
375
80 120 160 200 240 280 320 360 400


File GALSSK
Bpk Ab 9999
D4-1,4-DICHLOROBENZENE: ISTD#1
Scan 3
0.00 min.
150
52
78
115
204
375
80 120 160 200 240 280 320 360 400

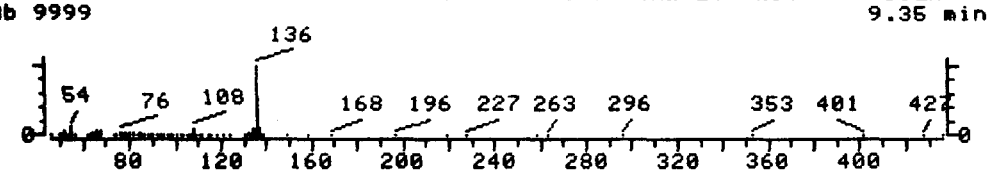

File >BP177
SF-5541 88FM30D24 092988 .99L/1ML 265/266
Scan 274
Bpk Ab 9999
6.91 min.
82
54
128
152 180 202 236
301 328 353
413
80 120 160 200 240 280 320 360 400 440


File GALSSK
Bpk Ab 9999
D5-NITROBENZENE: SURR#3
Scan 4
0.00 min.
82
54
128
172 209 234 259 309
80 120 160 200 240 280 320 360 400 440

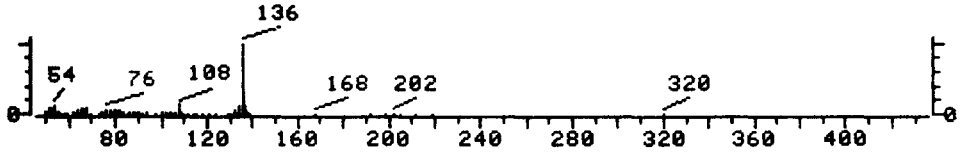

File GALSSK
Bpk Ab 9999
D5-NITROBENZENE: SURR#3
Scan 4
0.00 min.
82
54
128
172 209 234 259 309
80 120 160 200 240 280 320 360 400 440


File GALSSK
Bpk Ab 9999
D5-NITROBENZENE: SURR#3
Scan 4
0.00 min.
82
54
128
172 209 234 259 309
80 120 160 200 240 280 320 360 400 440

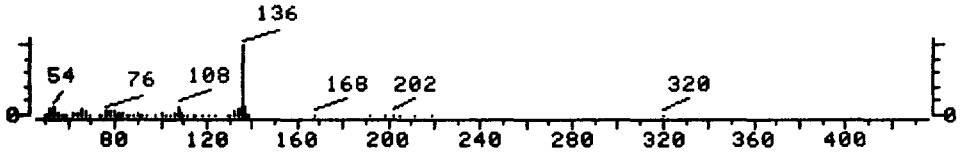
File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 412
Bpk Ab 9999 9.35 min.



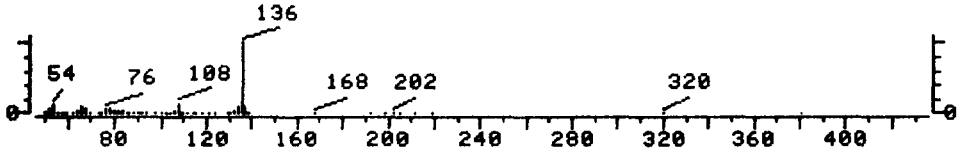
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



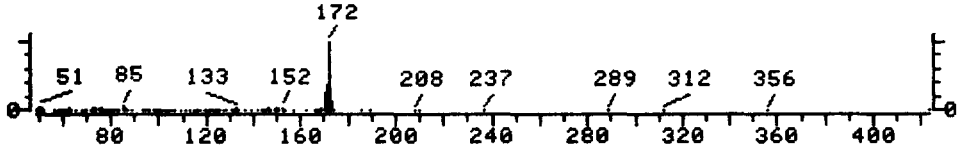
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



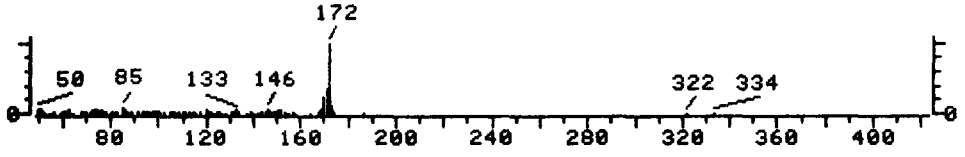
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.



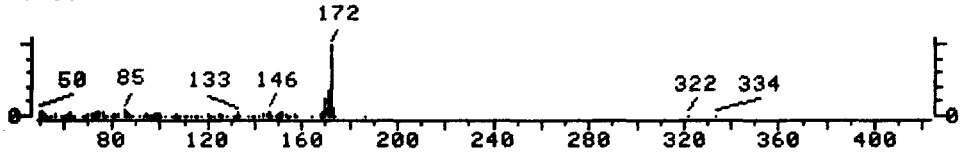
File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 696
Bpk Ab 9999 14.36 min.



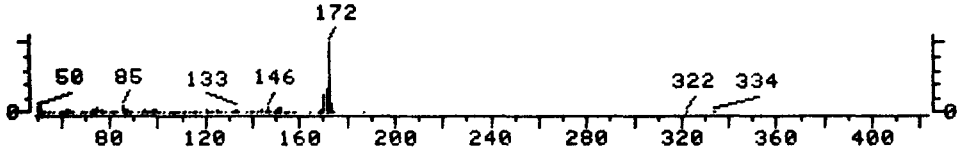
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.

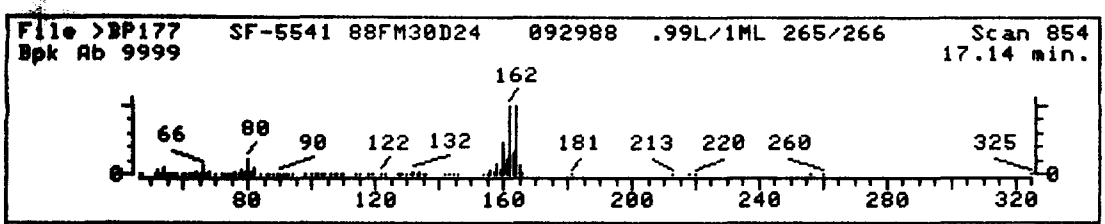


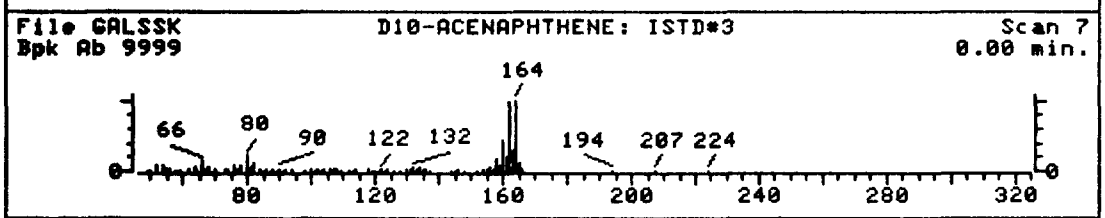
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.

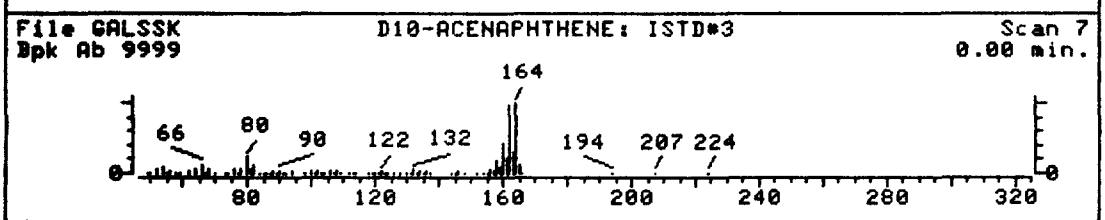


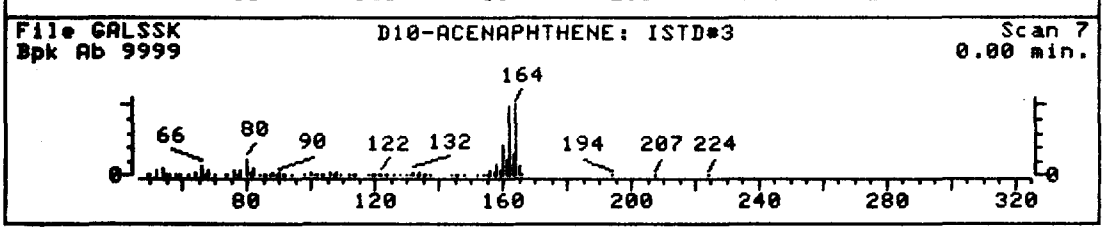
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.

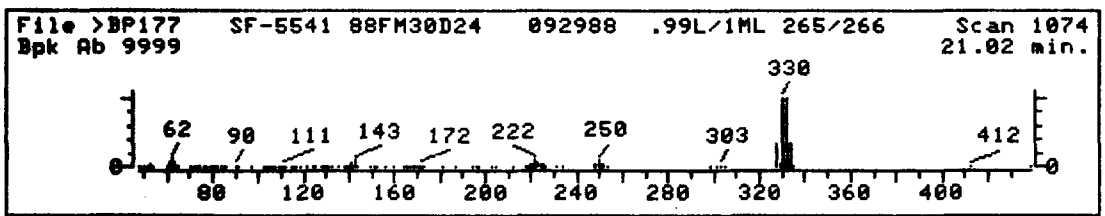


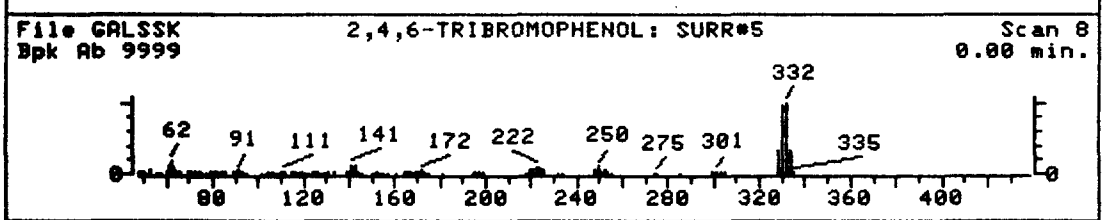

File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 854
Bpk Ab 9999 17.14 min.
162
66 80 90 122 132 181 213 220 260 325
0 80 120 160 200 240 280 320

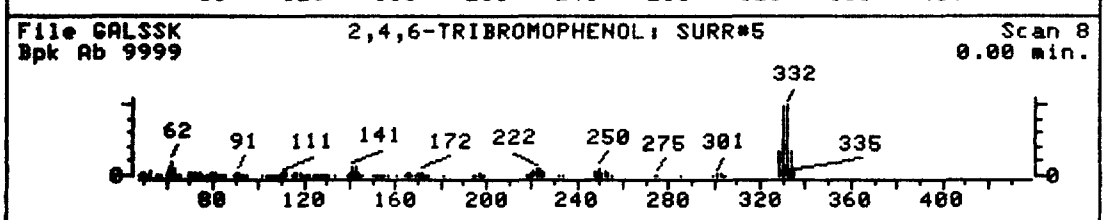

File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 90 122 132 194 207 224
0 80 120 160 200 240 280 320

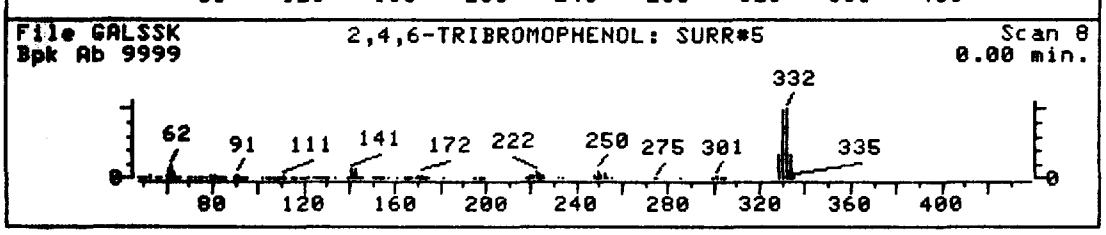

File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 90 122 132 194 207 224
0 80 120 160 200 240 280 320

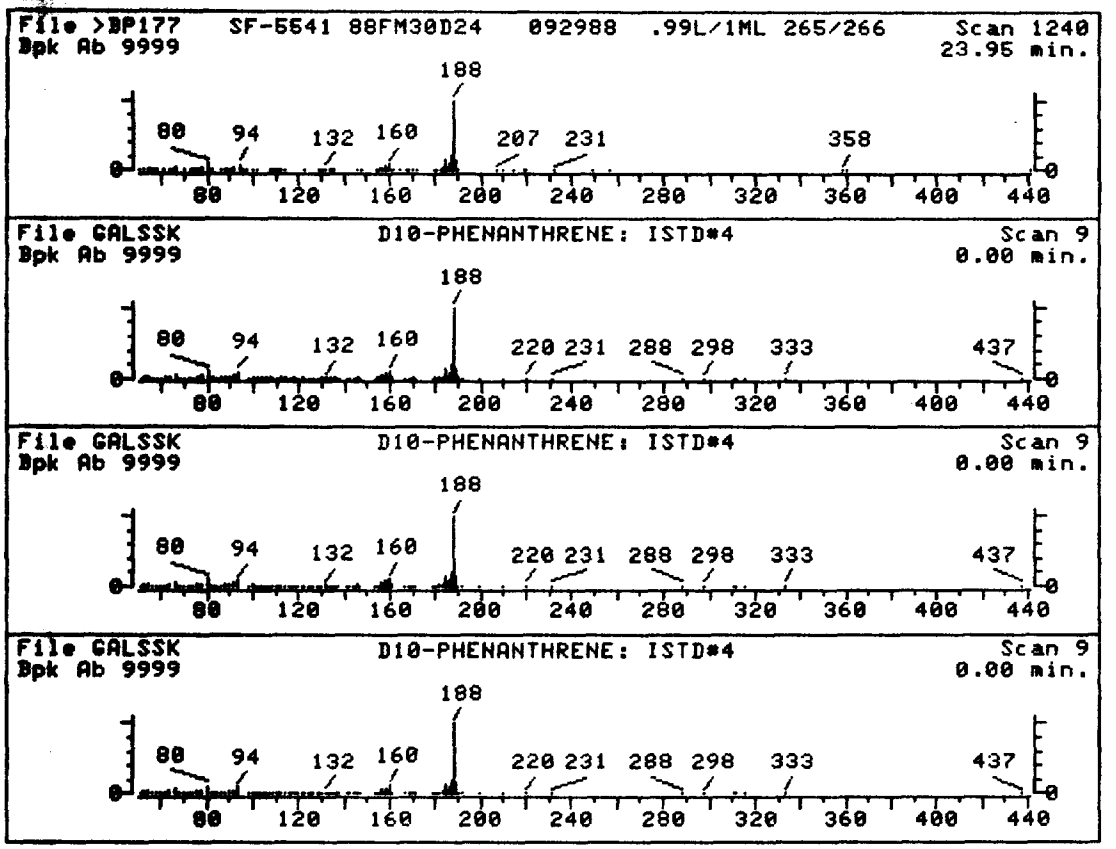

File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 90 122 132 194 207 224
0 80 120 160 200 240 280 320

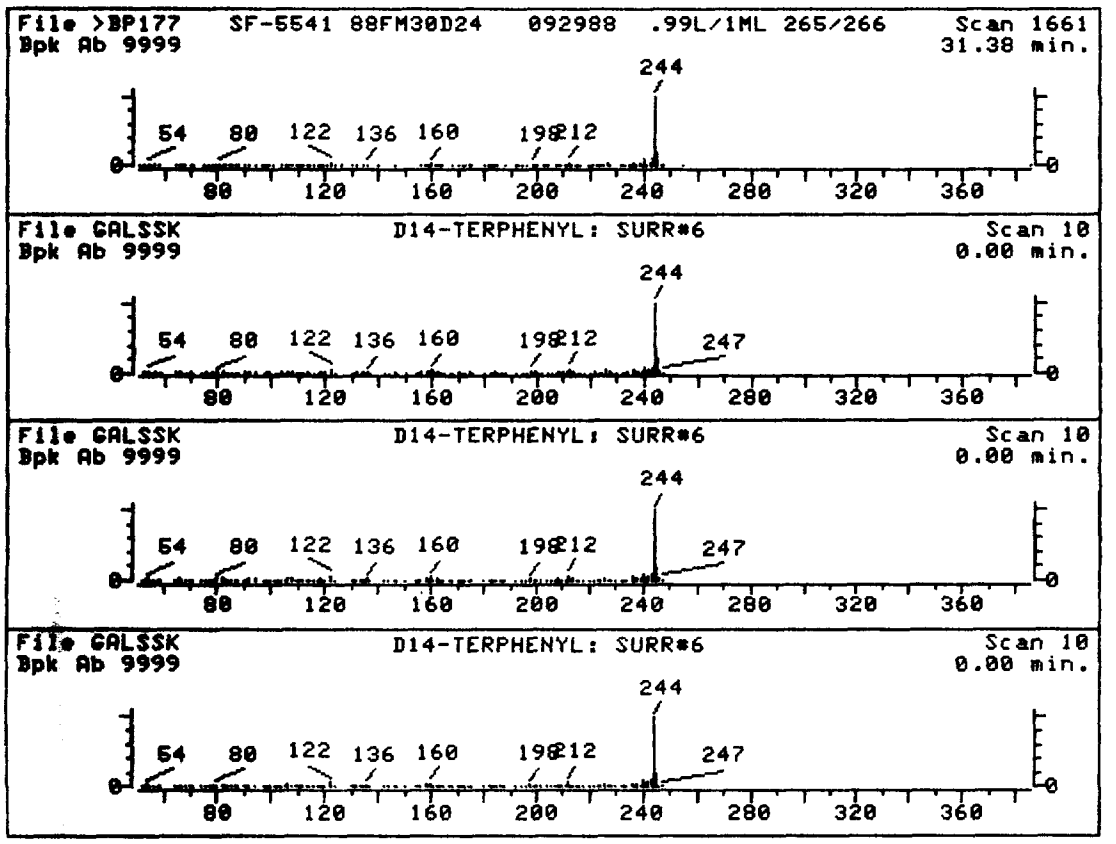

File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 1074
Bpk Ab 9999 21.02 min.
330
62 90 111 143 172 222 250 303 412
0 80 120 160 200 240 280 320 360 400

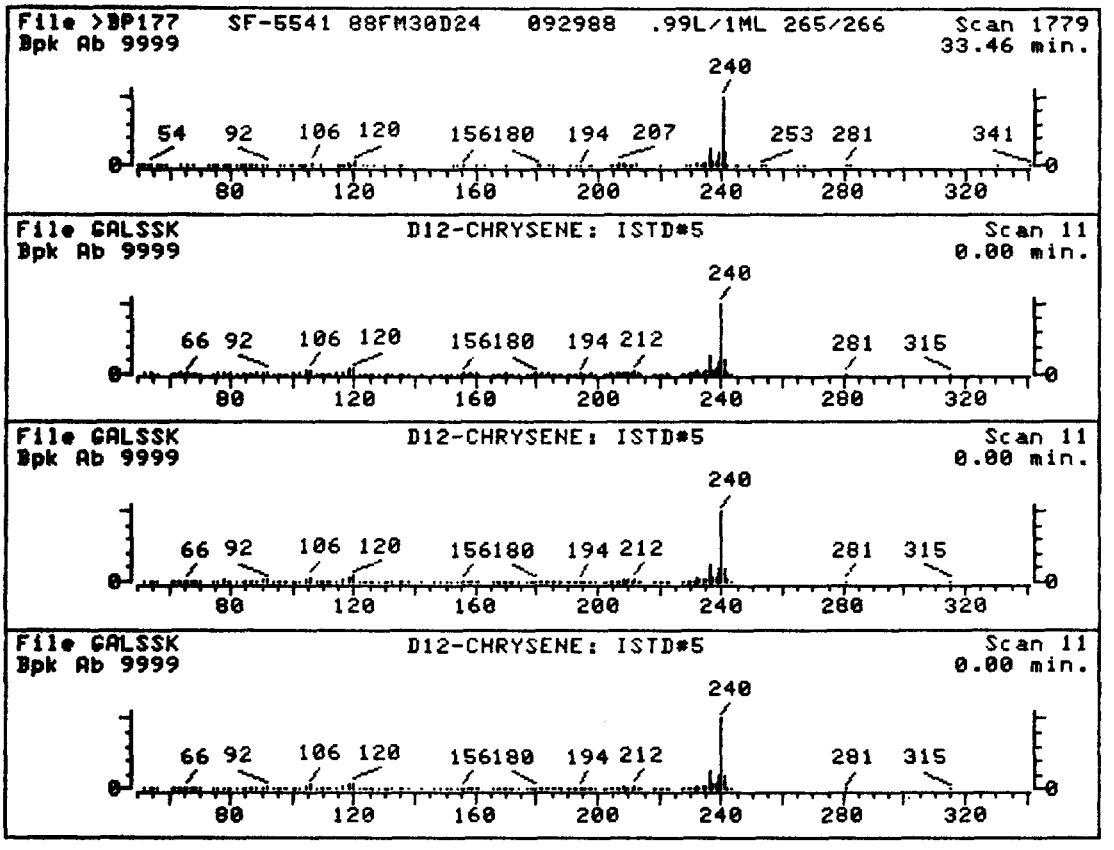

File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 141 172 222 250 275 301 335
0 80 120 160 200 240 280 320 360 400

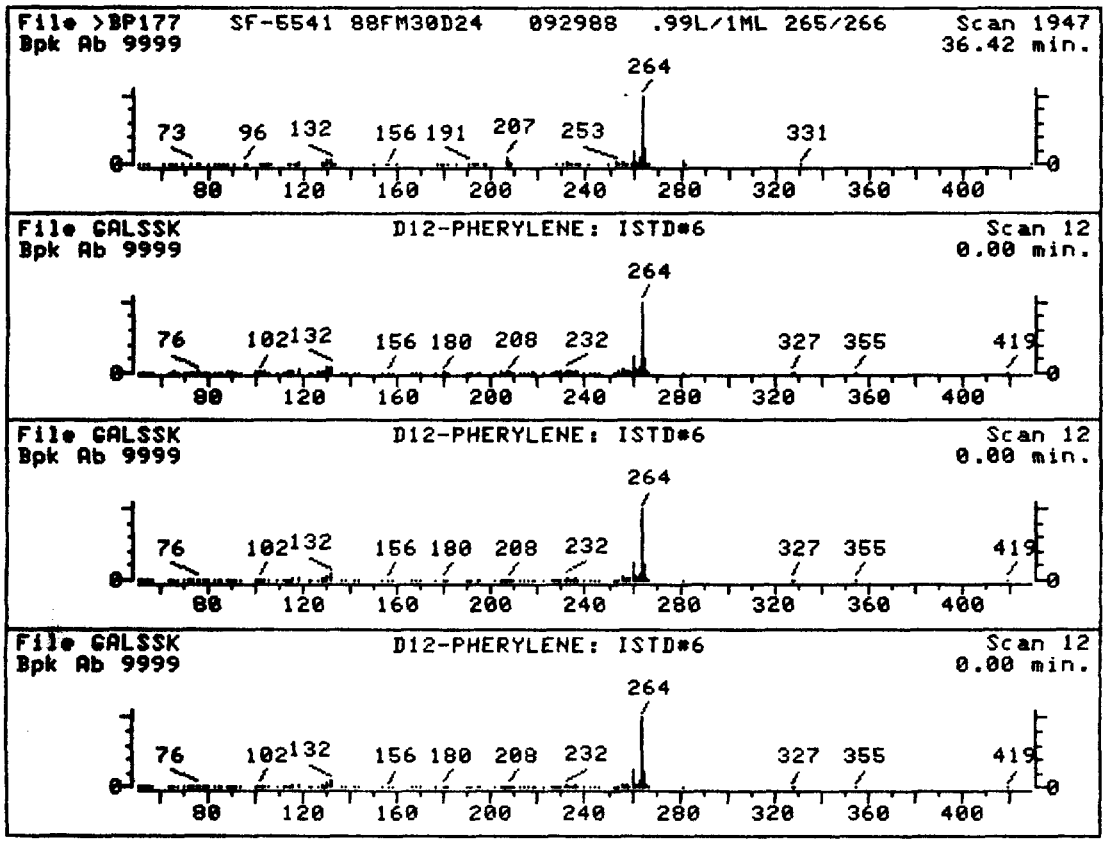

File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 141 172 222 250 275 301 335
0 80 120 160 200 240 280 320 360 400

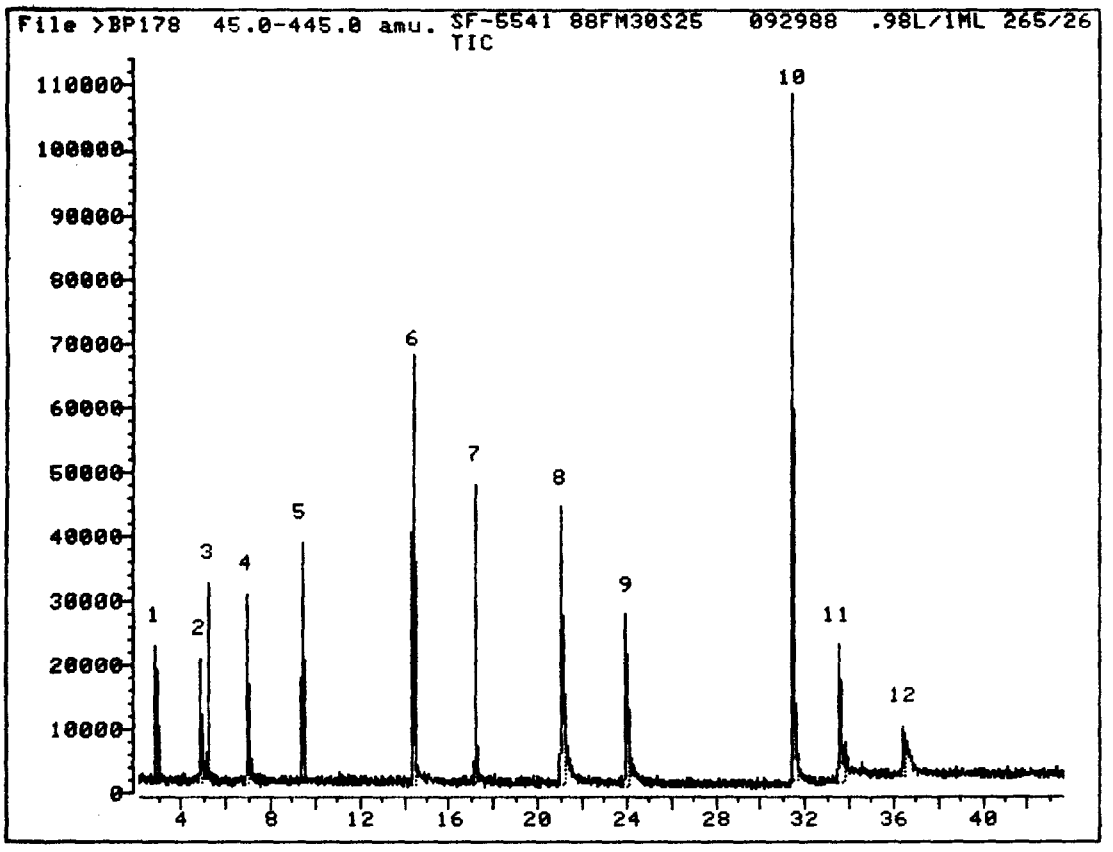

File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 141 172 222 250 275 301 335
0 80 120 160 200 240 280 320 360 400


File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 1240
Bpk Ab 9999 23.95 min.
188
80 94 132 160 207 231 358
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
80 94 132 160 220 231 288 298 333 437
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
80 94 132 160 220 231 288 298 333 437
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
80 94 132 160 220 231 288 298 333 437
80 120 160 200 240 280 320 360 400 440


File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 1661
Bpk Ab 9999 31.38 min.
244
54 80 122 136 160 198 212
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
80 120 160 200 240 280 320 360


File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 1779
Bpk Ab 9999 33.46 min.
240
54 92 106 120 156180 194 207 253 281 341
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 92 106 120 156180 194 212 281 315
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 92 106 120 156180 194 212 281 315
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 92 106 120 156180 194 212 281 315
80 120 160 200 240 280 320


File >BP177 SF-5541 88FM30D24 092988 .99L/1ML 265/266 Scan 1947
Bpk Ab 9999 36.42 min.
264
73 96 132 156 191 207 253 331
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102132 156 180 208 232 327 355 419
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102132 156 180 208 232 327 355 419
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102132 156 180 208 232 327 355 419
80 120 160 200 240 280 320 360 400

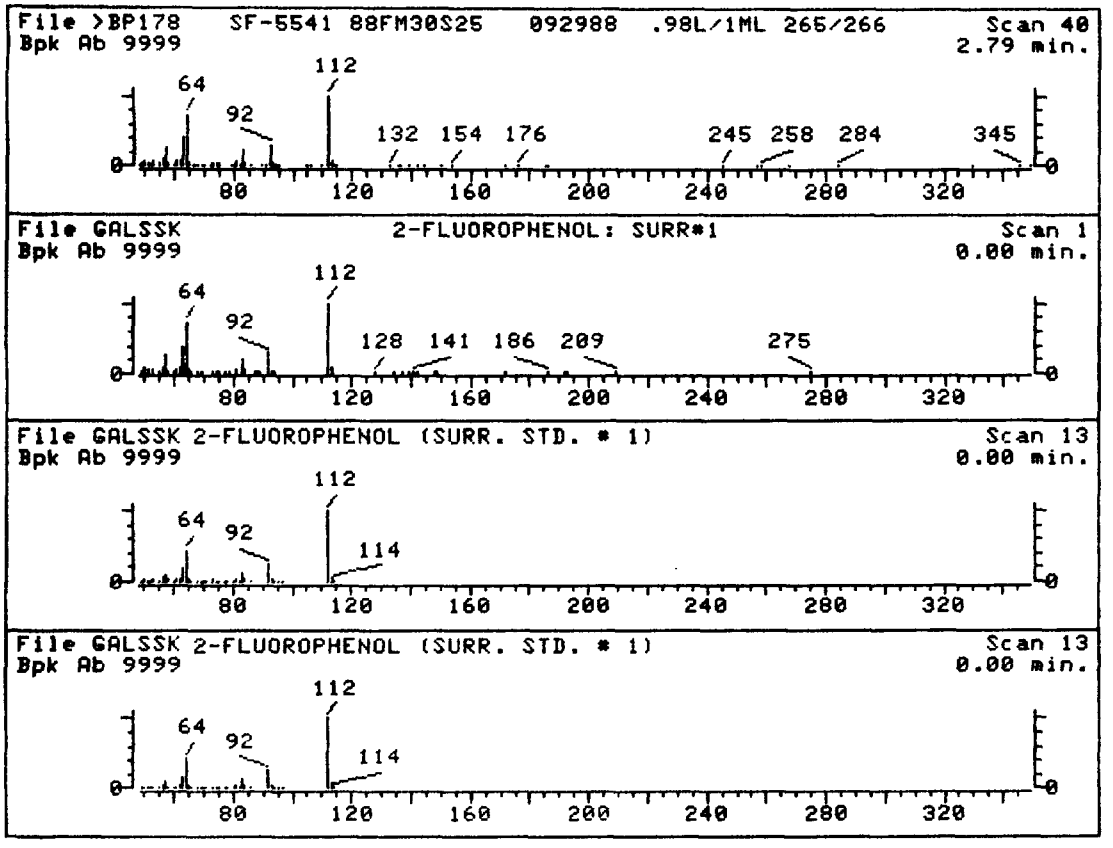

File >BP178 45.0-445.0 amu. SF-5541 88FM30S25 092988 .98L/1ML 265/26
TIC
110000
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
4
5
6
7
8
9
10
11
12
4
8
12
16
20
24
28
32
36
40

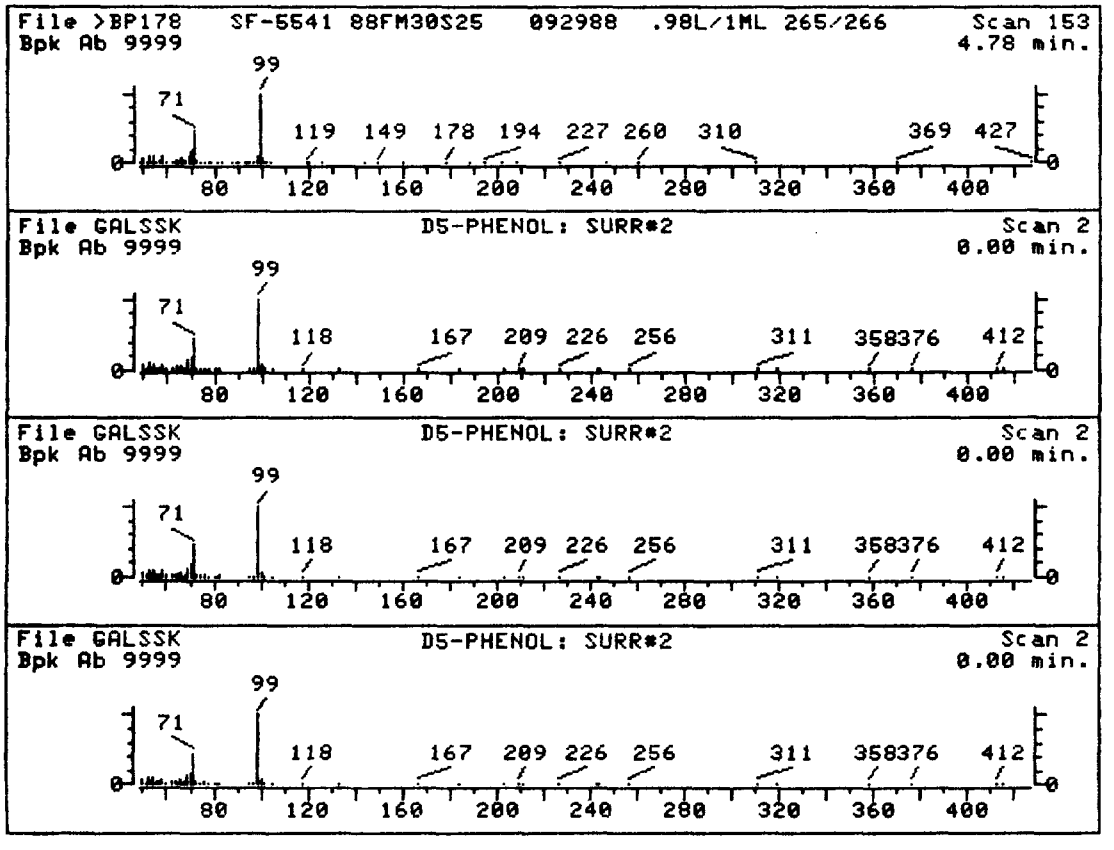
NO TICH

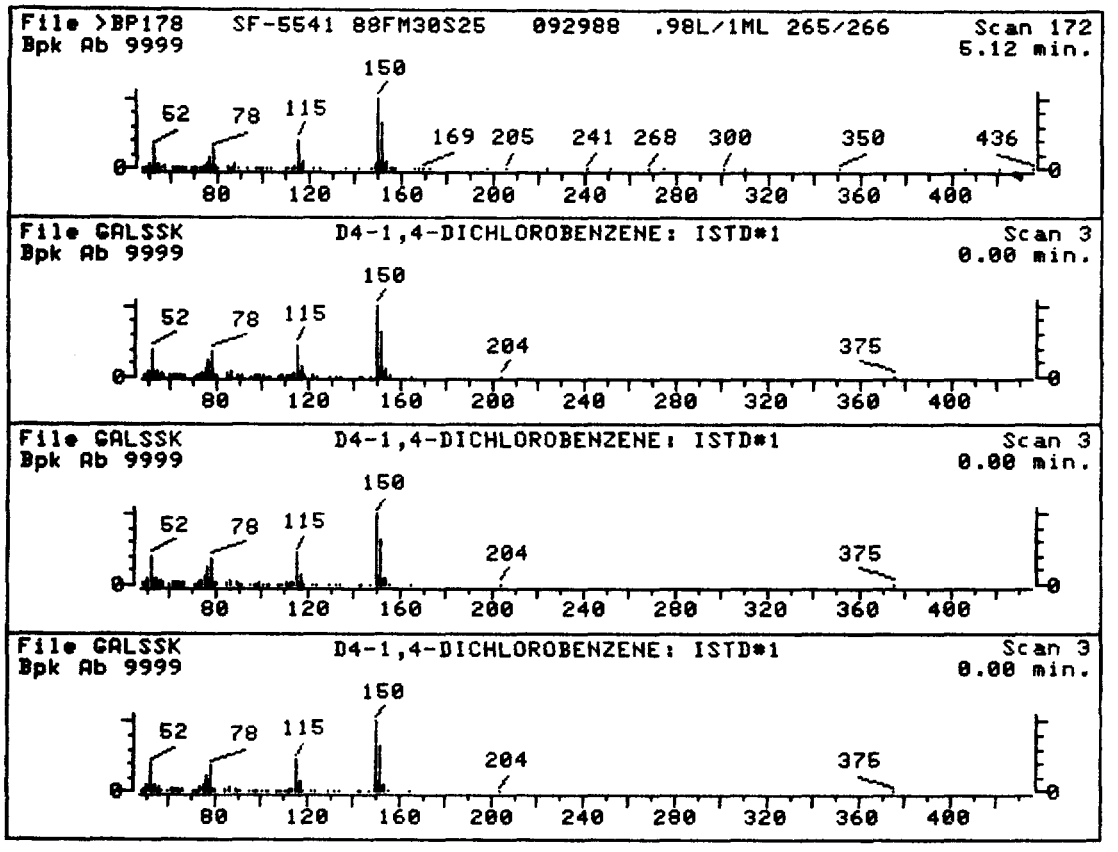
>BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

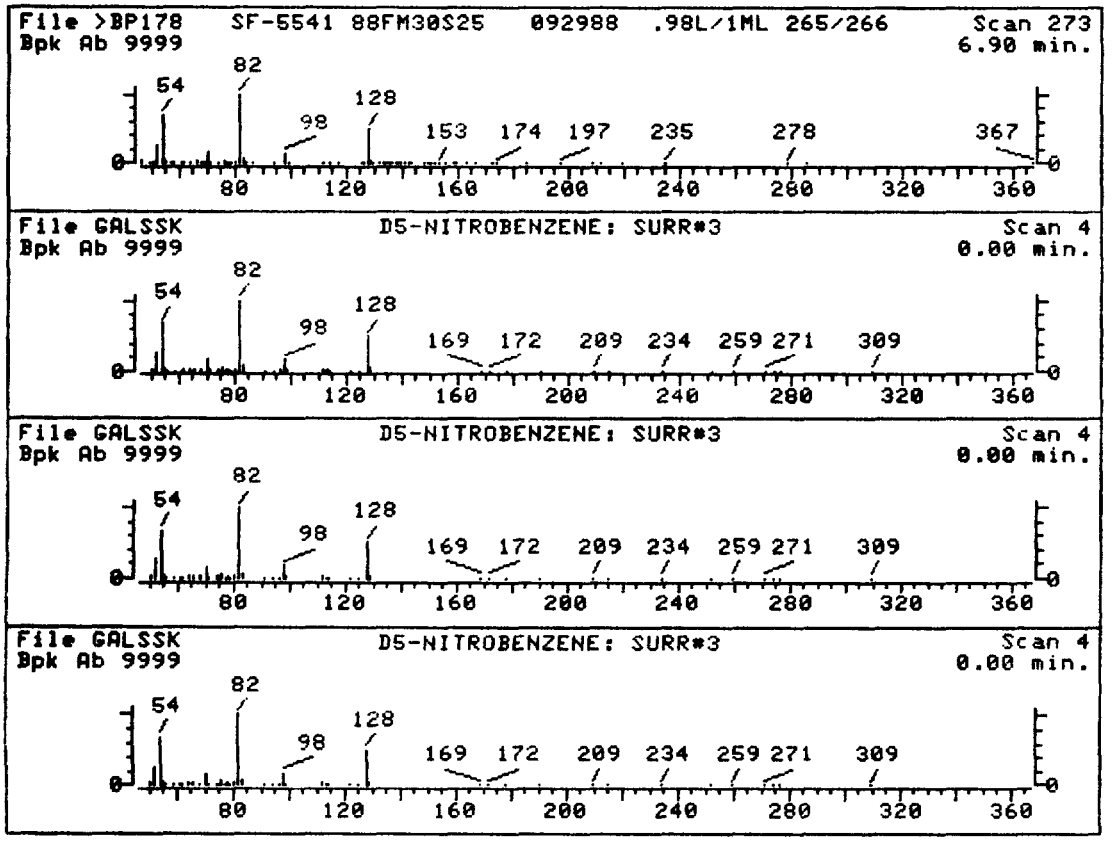
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.79	37	40	50	21145	111797	87162	17.72	4.114
2	4.78	150	153	163	19231	101503	79005	16.06	3.729
3	5.12	169	172	179	30543	124223	100398	20.41	4.739
4	6.90	270	273	282	29288	129904	109271	22.22	5.158
5	9.33	407	411	418	37085	152630	132283	26.89	6.244
6	14.36	692	696	703	66703	249250	232203	47.21	10.960
7	17.14	849	854	863	46038	206580	179376	36.47	8.467
8	21.00	1069	1073	1085	43037	301575	277459	56.41	13.096
9	23.95	1234	1240	1250	26866	188509	172243	35.02	8.130
10	31.38	1658	1661	1679	106678	537837	491872	100.00	23.217
11	33.44	1774	1778	1796	21378	245677	203978	41.47	9.628
12	36.39	1938	1945	1949	7460	86431	53345	10.85	2.518

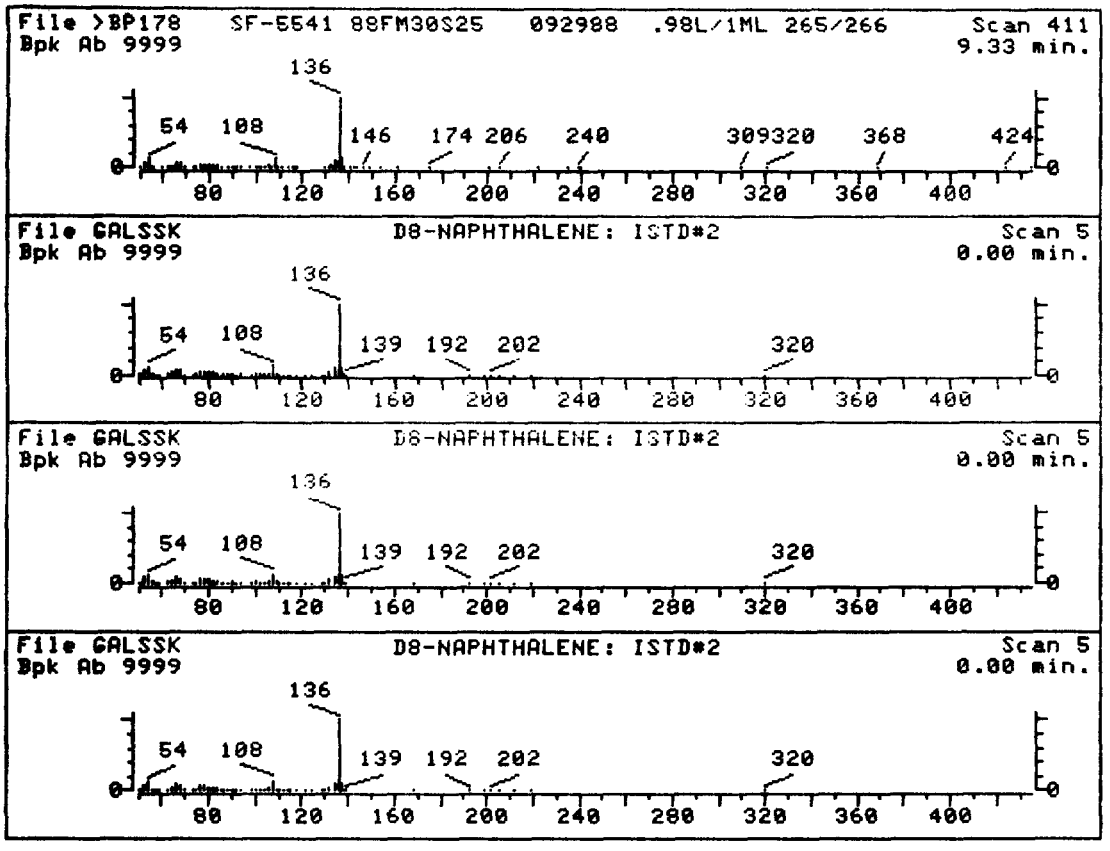
Sum of corrected areas: 2118595.

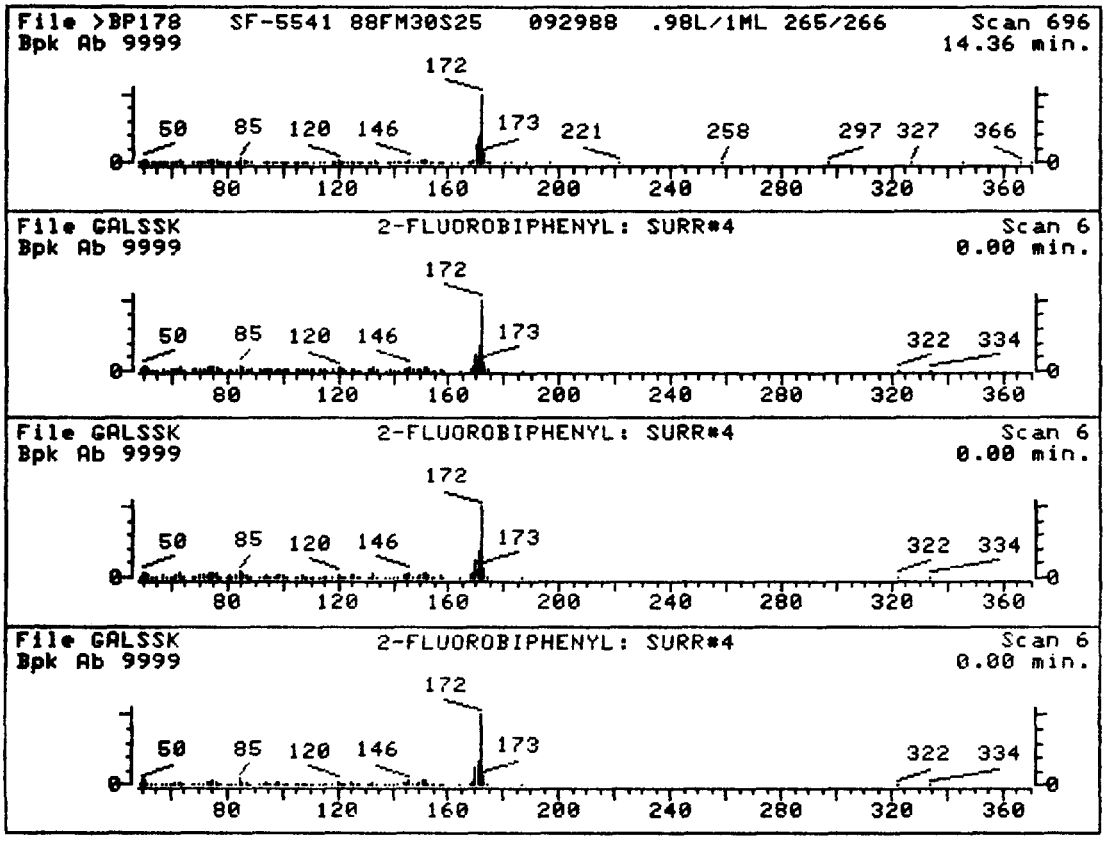

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 40
Bpk Ab 9999 2.79 min.
64 92 112 132 154 176 245 258 284 345
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.
64 92 112 128 141 186 209 275
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.
64 92 112 114
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.
64 92 112 114
0 80 120 160 200 240 280 320

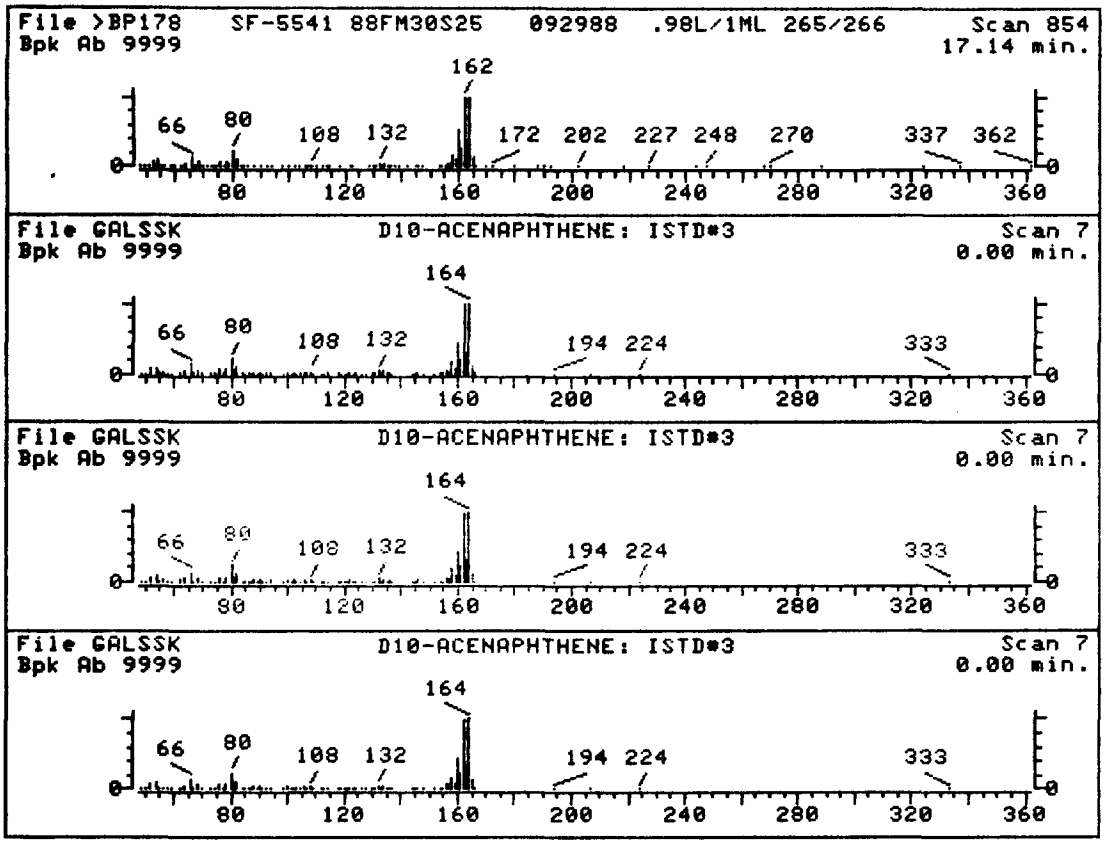

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 153
Bpk Ab 9999 4.78 min.
71 99 119 149 178 194 227 260 310 369 427
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 209 226 256 311 358376 412
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 209 226 256 311 358376 412
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 209 226 256 311 358376 412
0 80 120 160 200 240 280 320 360 400

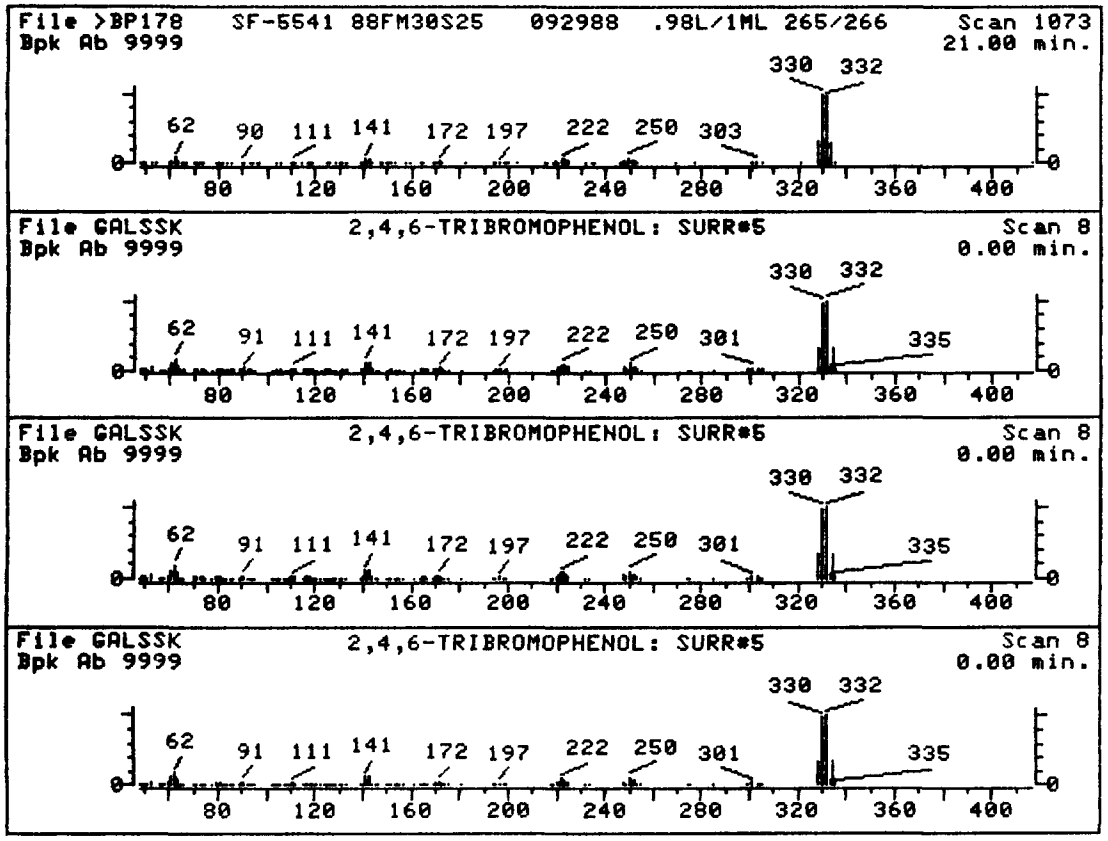

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 172
Bpk Ab 9999 5.12 min.
150 52 78 115 169 205 241 268 300 350 436
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150 52 78 115 204 375
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150 52 78 115 204 375
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150 52 78 115 204 375
80 120 160 200 240 280 320 360 400

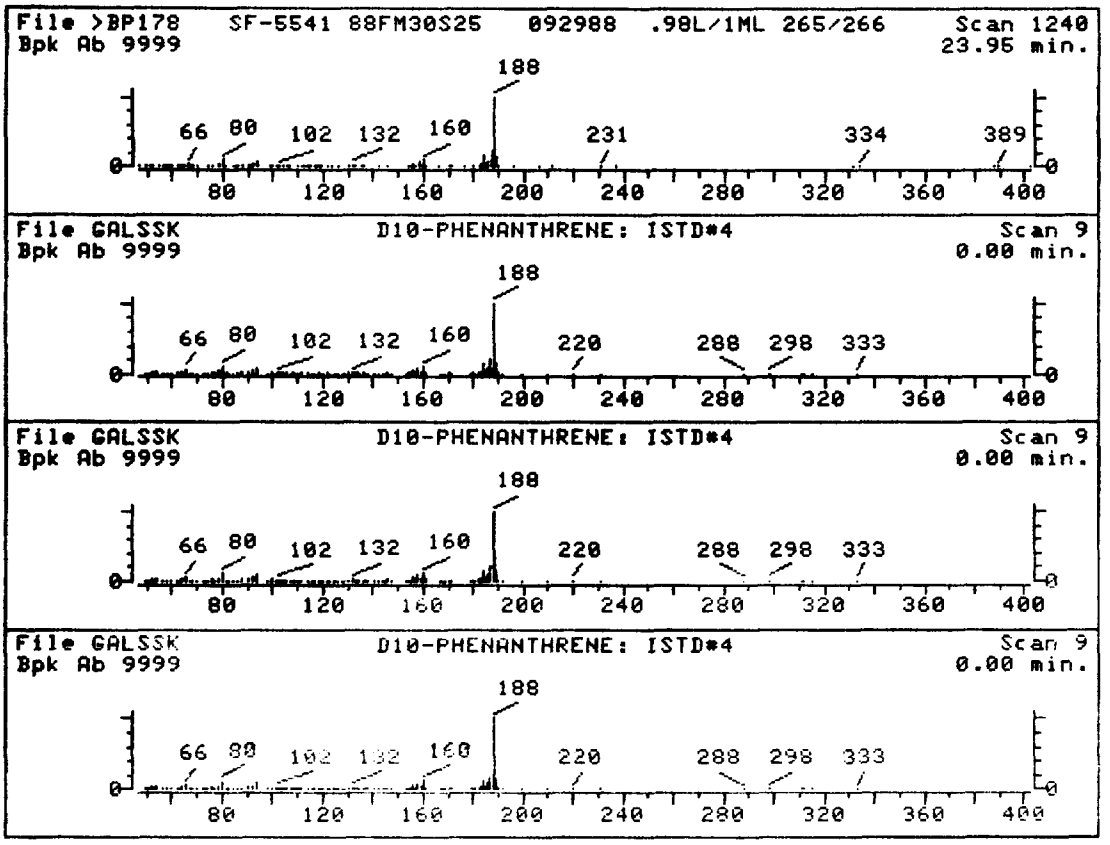

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 273
Bpk Ab 9999 6.90 min.
82 54 128 98 153 174 197 235 278 367
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82 54 128 98 169 172 209 234 259 271 309
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82 54 128 98 169 172 209 234 259 271 309
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82 54 128 98 169 172 209 234 259 271 309
80 120 160 200 240 280 320 360

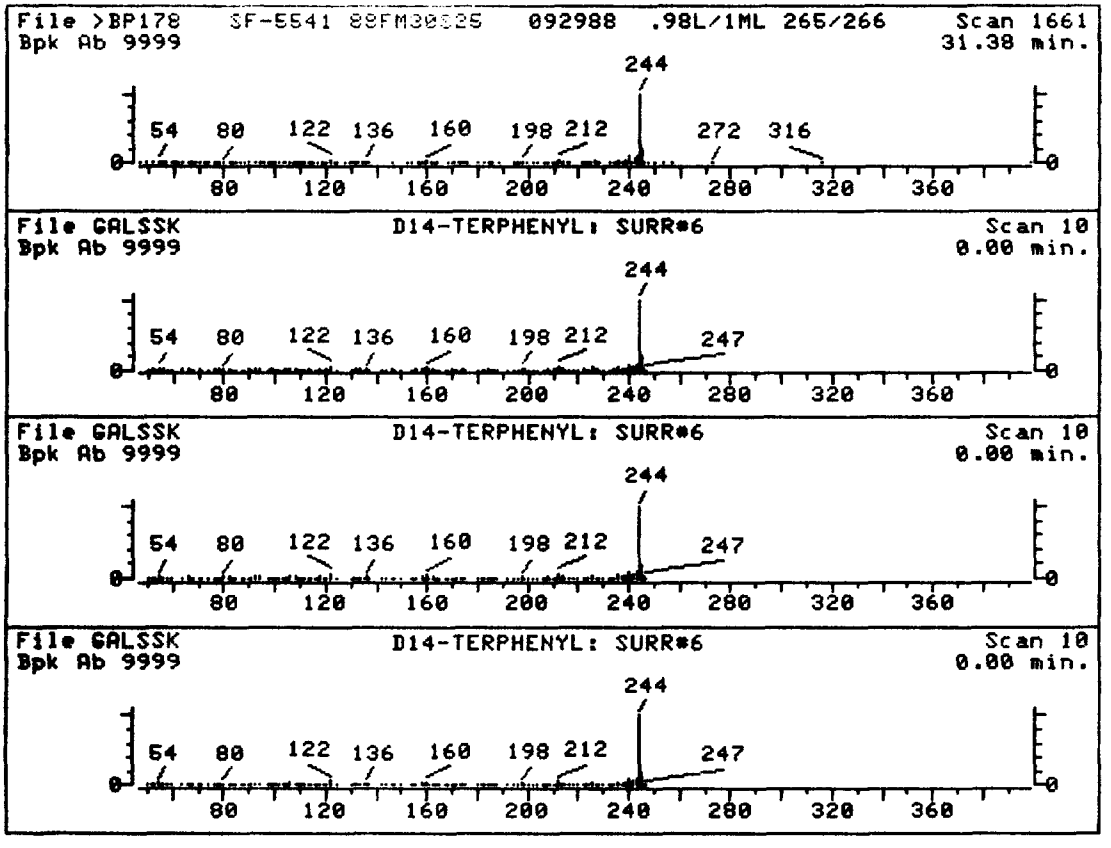

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 411
Bpk Ab 9999 9.33 min.
136
54 108 146 174 206 240 309320 368 424
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 108 139 192 202 320
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 108 139 192 202 320
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 108 139 192 202 320
80 120 160 200 240 280 320 360 400

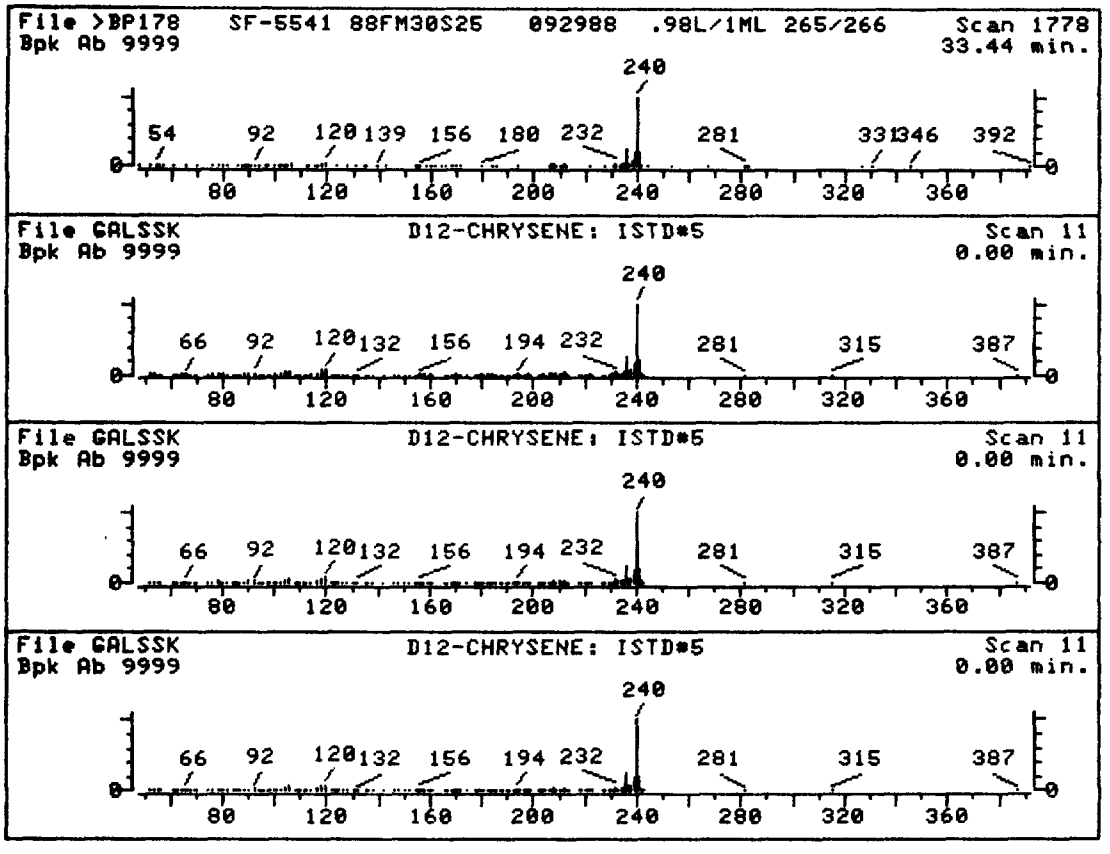

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 696
Bpk Ab 9999 14.36 min.
172
50 85 120 146 173 221 258 297 327 366
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 120 146 173 322 334
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 120 146 173 322 334
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 120 146 173 322 334
80 120 160 200 240 280 320 360

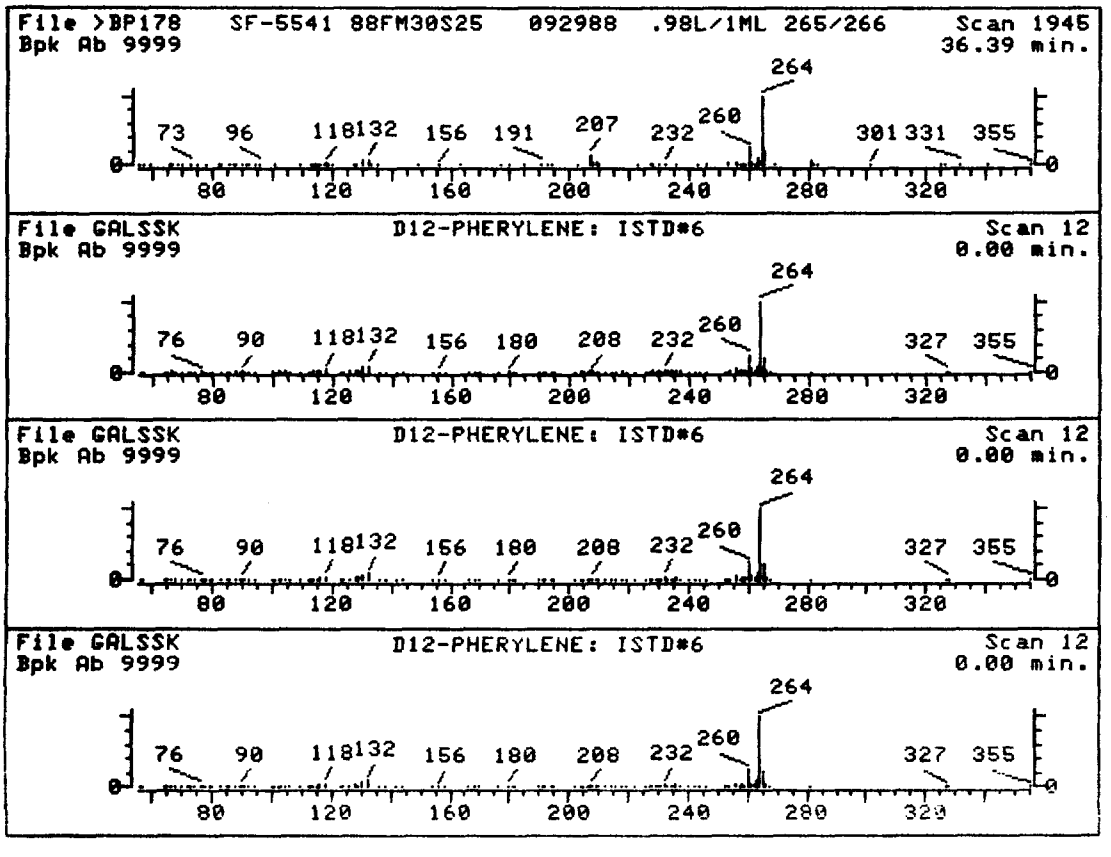

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 854
Bpk Ab 9999 17.14 min.
162
66 80 108 132 172 202 227 248 270 337 362
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 108 132 194 224 333
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 108 132 194 224 333
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 108 132 194 224 333
80 120 160 200 240 280 320 360

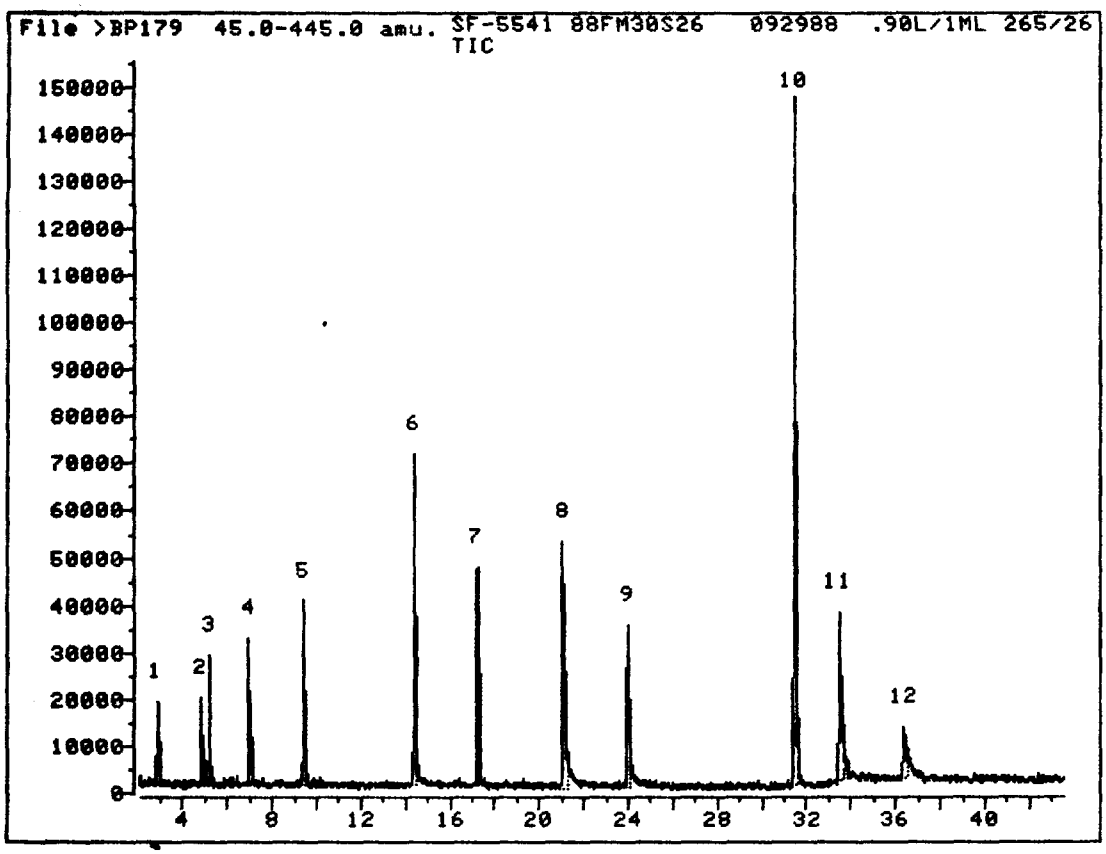

File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 1073
Bpk Ab 9999 21.00 min.
330 332
62 90 111 141 172 197 222 250 303
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
330 332
62 91 111 141 172 197 222 250 301 335
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
330 332
62 91 111 141 172 197 222 250 301 335
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
330 332
62 91 111 141 172 197 222 250 301 335
80 120 160 200 240 280 320 360 400


File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 1240
Bpk Ab 9999 23.95 min.
188
66 80 102 132 160 231 334 389
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 102 132 160 220 288 298 333
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 102 132 160 220 288 298 333
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 102 132 160 220 288 298 333
0 80 120 160 200 240 280 320 360 400


File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 1661
Bpk Ab 9999 31.38 min.
244
54 80 122 136 160 198 212 272 316
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
0 80 120 160 200 240 280 320 360


File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 1778
Bpk Ab 9999 33.44 min.
240
54 92 120 139 156 180 232 281 331 346 392
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 92 120 132 156 194 232 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 92 120 132 156 194 232 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 92 120 132 156 194 232 281 315 387


File >BP178 SF-5541 88FM30S25 092988 .98L/1ML 265/266 Scan 1945
Bpk Ab 9999 36.39 min.
264
73 96 118 132 156 191 207 232 260 301 331 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 90 118 132 156 180 208 232 260 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 90 118 132 156 180 208 232 260 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 90 118 132 156 180 208 232 260 327 355


File >BP179 45.0-445.0 amu. SF-5541 88FM30S26 092988 .90L/1ML 265/26
TIC
150000
140000
130000
120000
110000
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
4
5
6
7
8
9
10
11
12
4
8
12
16
20
24
28
32
36
40

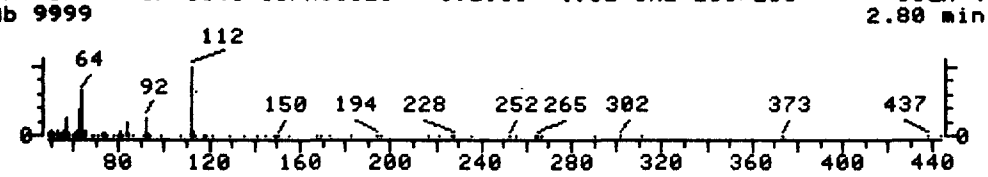
No TICs

>BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

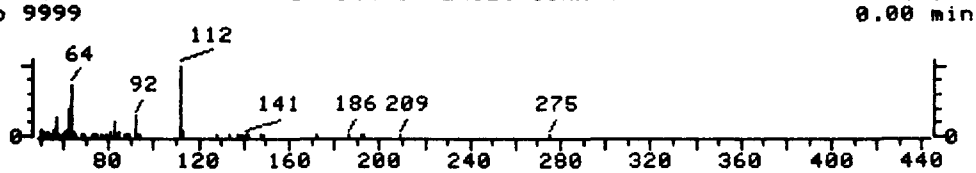
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.80	38	41	49	17480	99073	73909	12.76	3.173
2	4.80	152	154	163	18320	94303	71372	12.32	3.064
3	5.13	168	173	180	27470	123011	99098	17.11	4.254
4	6.93	271	275	283	31363	127187	104862	18.10	4.502
5	9.37	409	413	421	39314	154614	133240	23.00	5.720
6	14.39	694	698	705	69864	248803	226245	39.05	9.713
7	17.18	851	856	861	46046	193875	174826	30.18	7.505
8	21.04	1070	1075	1090	52239	344111	322022	55.59	13.825
9	23.97	1236	1241	1250	34548	202253	180910	31.23	7.767
10	31.39	1659	1662	1679	145937	620943	579306	100.00	24.870
11	33.42	1774	1777	1792	35840	297803	244813	42.26	10.510
12	36.37	1938	1944	1956	10761	178499	118718	20.49	5.097

Sum of corrected areas: 2329321.

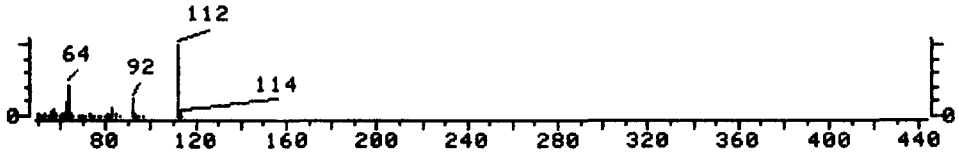
File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 41
Bpk Ab 9999 2.80 min.



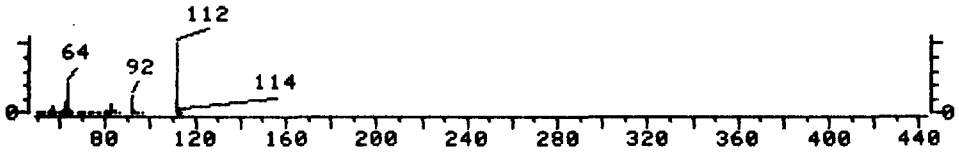
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.



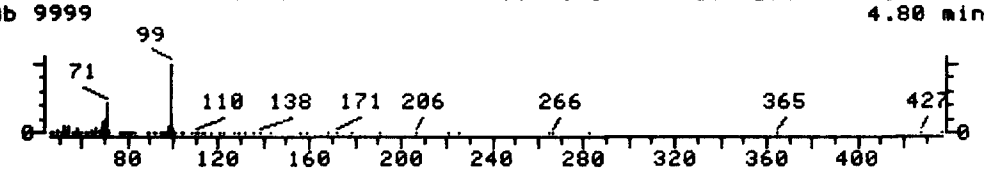
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.



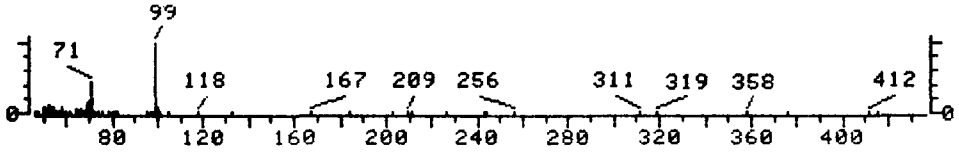
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.



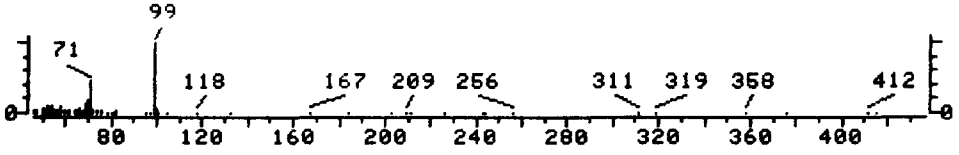
File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 154
Bpk Ab 9999 4.80 min.



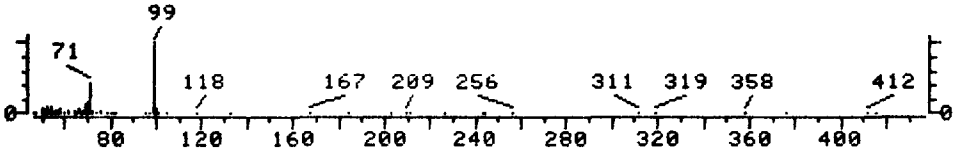
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

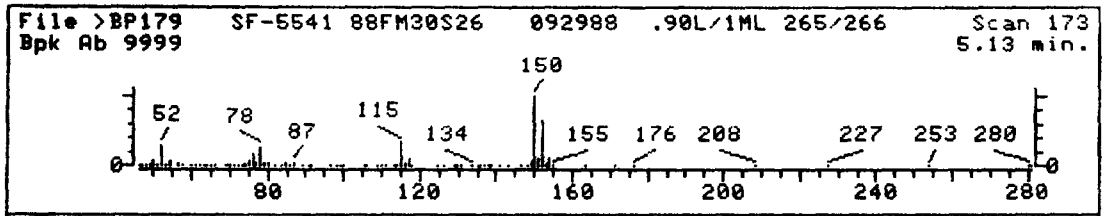


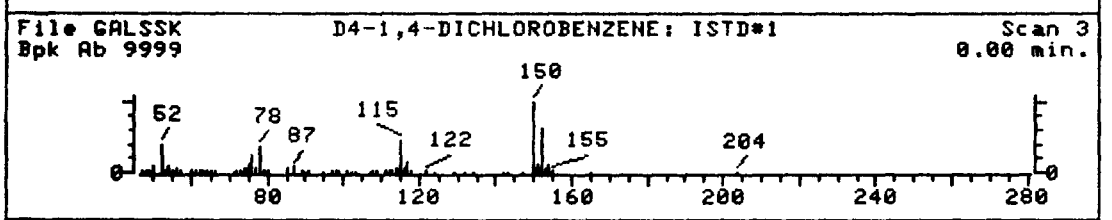
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

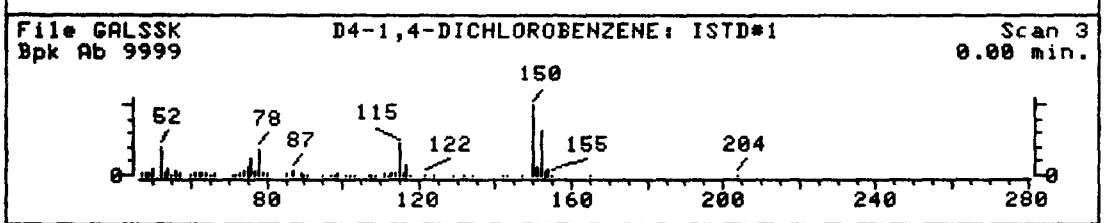


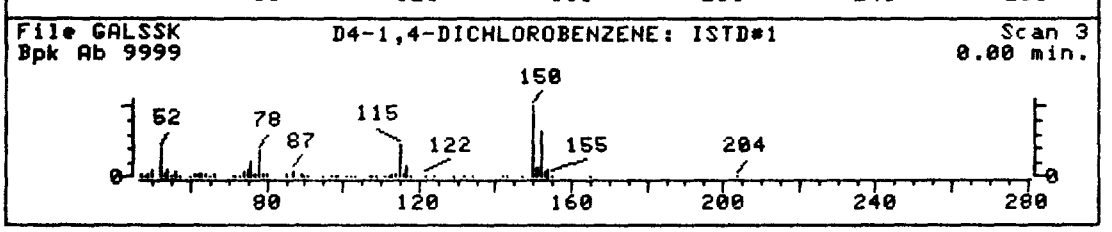
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

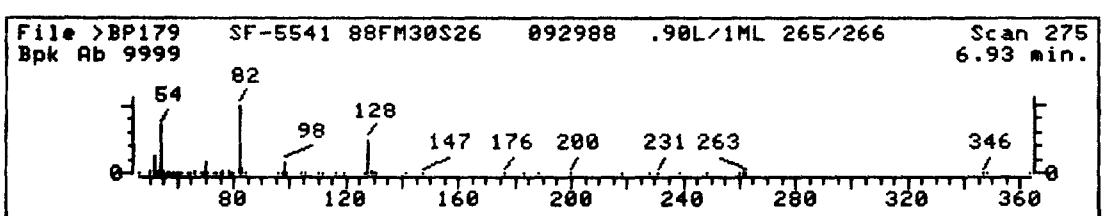


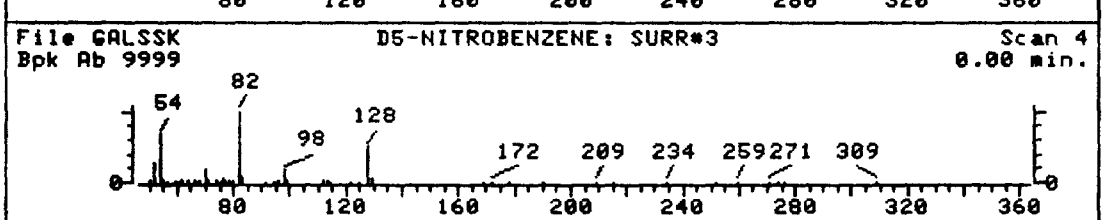

File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 173
Bpk Ab 9999 5.13 min.
150
52 78 87 115 134 155 176 208 227 253 280
0 80 120 160 200 240 280

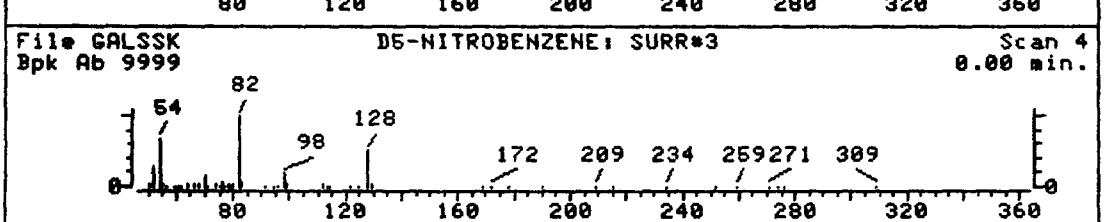

File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 87 115 122 155 204
0 80 120 160 200 240 280

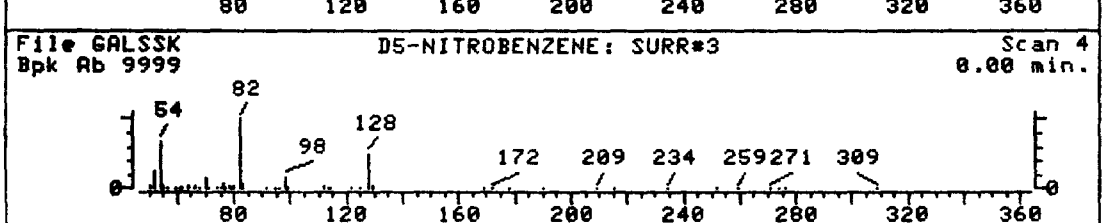

File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 87 115 122 155 204
0 80 120 160 200 240 280

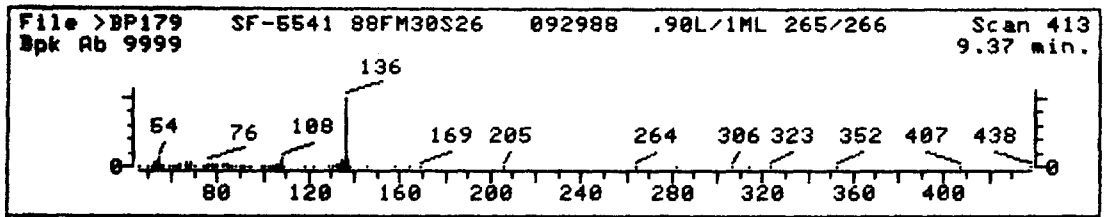

File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 87 115 122 155 204
0 80 120 160 200 240 280

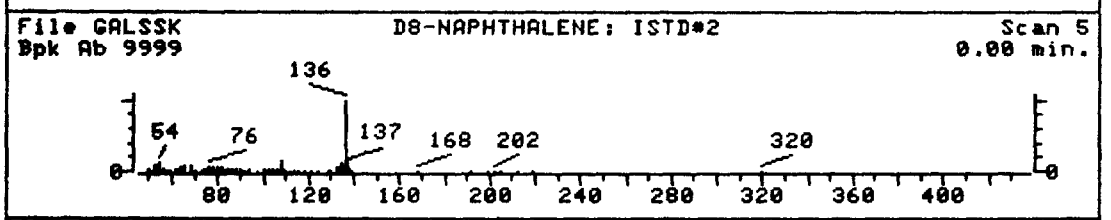

File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 275
Bpk Ab 9999 6.93 min.
82
54 98 128 147 176 200 231 263 346
0 80 120 160 200 240 280 320 360

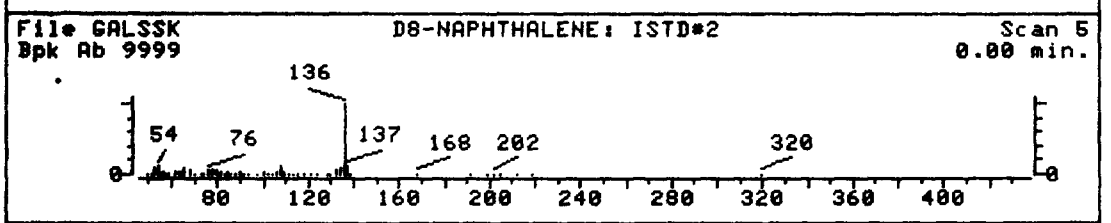

File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82
54 98 128 172 209 234 259 271 309
0 80 120 160 200 240 280 320 360

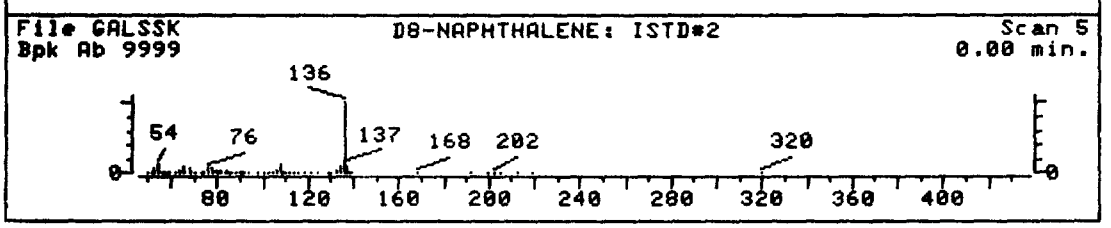

File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82
54 98 128 172 209 234 259 271 309
0 80 120 160 200 240 280 320 360

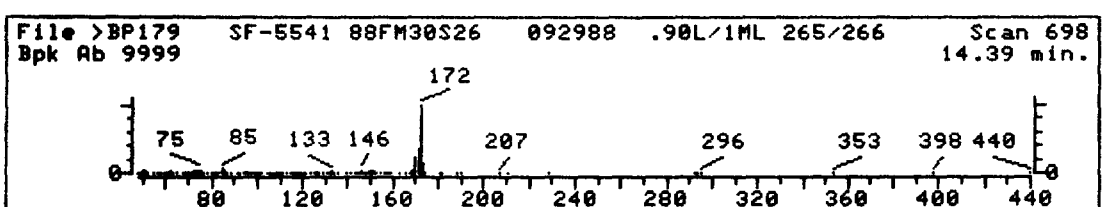

File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
82
54 98 128 172 209 234 259 271 309
0 80 120 160 200 240 280 320 360

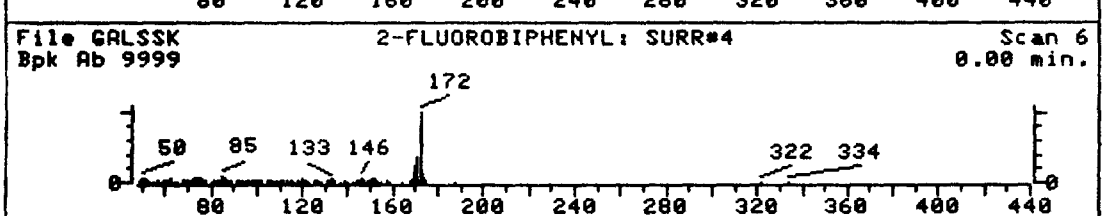

File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 413
Bpk Ab 9999 9.37 min.
136
54 76 108 169 205 264 306 323 352 407 438
0 80 120 160 200 240 280 320 360 400

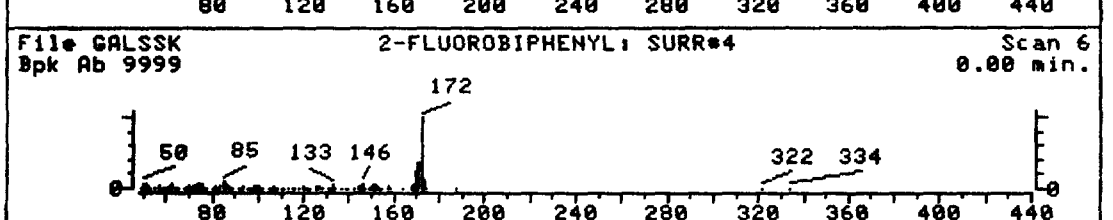

File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 137 168 202 320
0 80 120 160 200 240 280 320 360 400

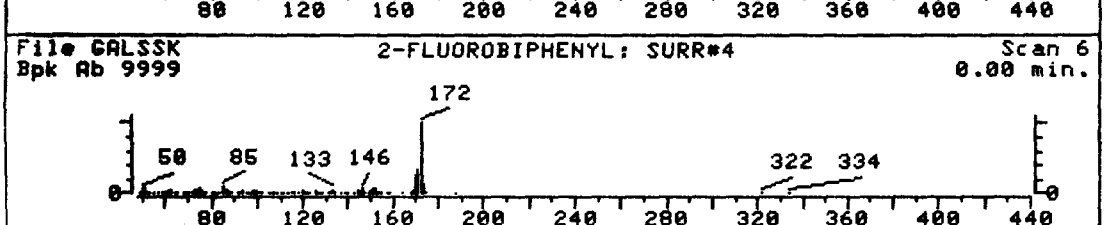

File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 137 168 202 320
0 80 120 160 200 240 280 320 360 400

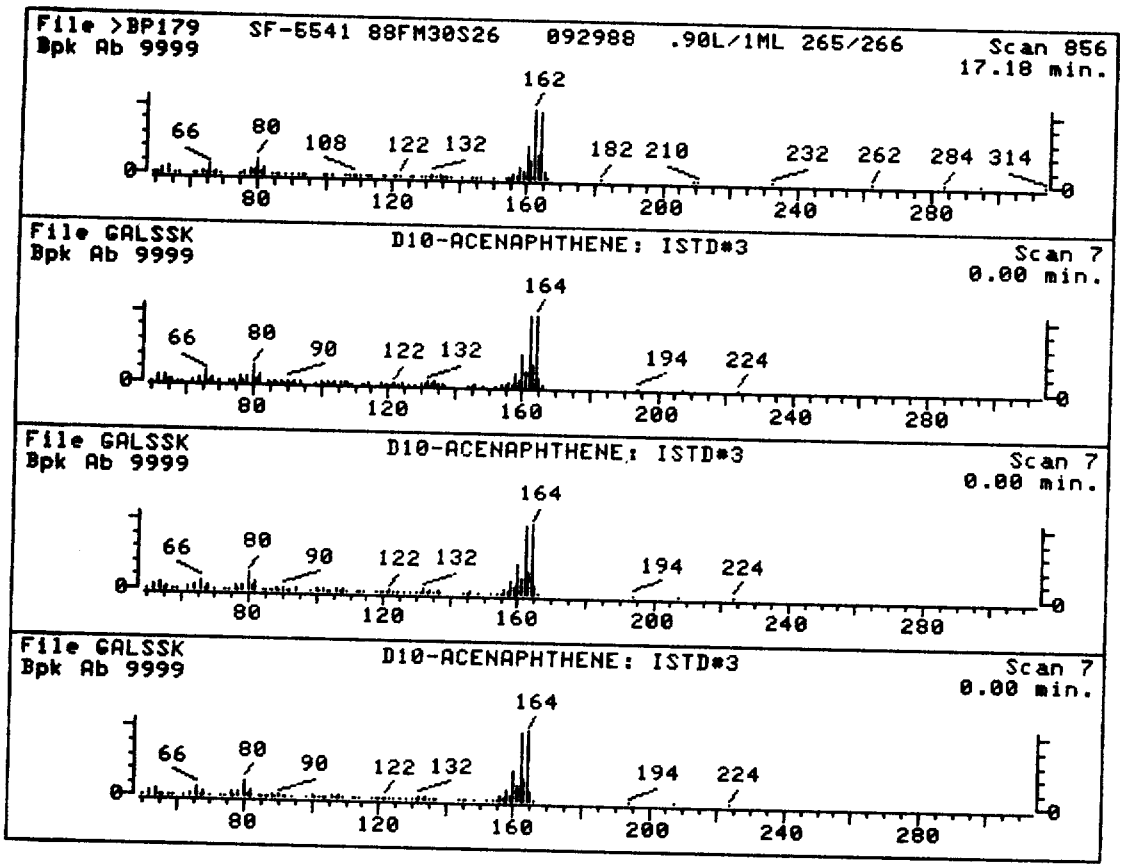

File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 137 168 202 320
0 80 120 160 200 240 280 320 360 400

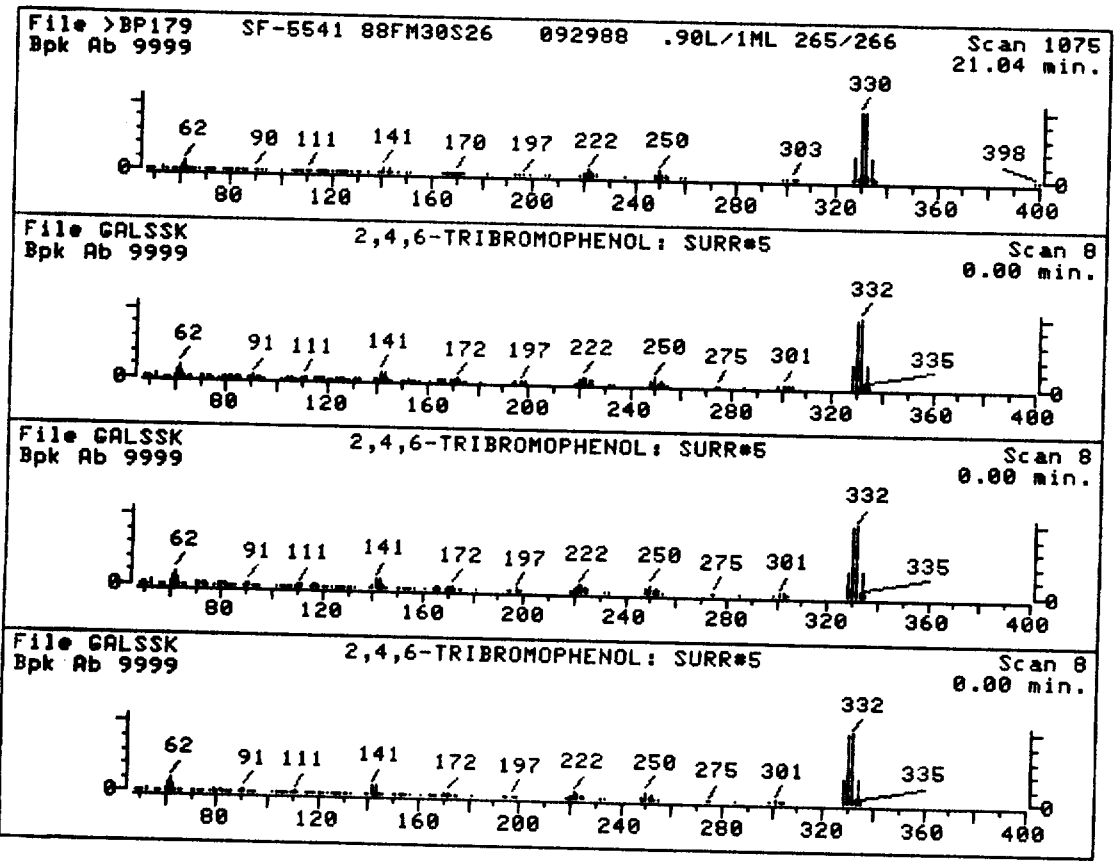

File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 698
Bpk Ab 9999 14.39 min.
172
75 85 133 146 207 296 353 398 440
0 80 120 160 200 240 280 320 360 400 440

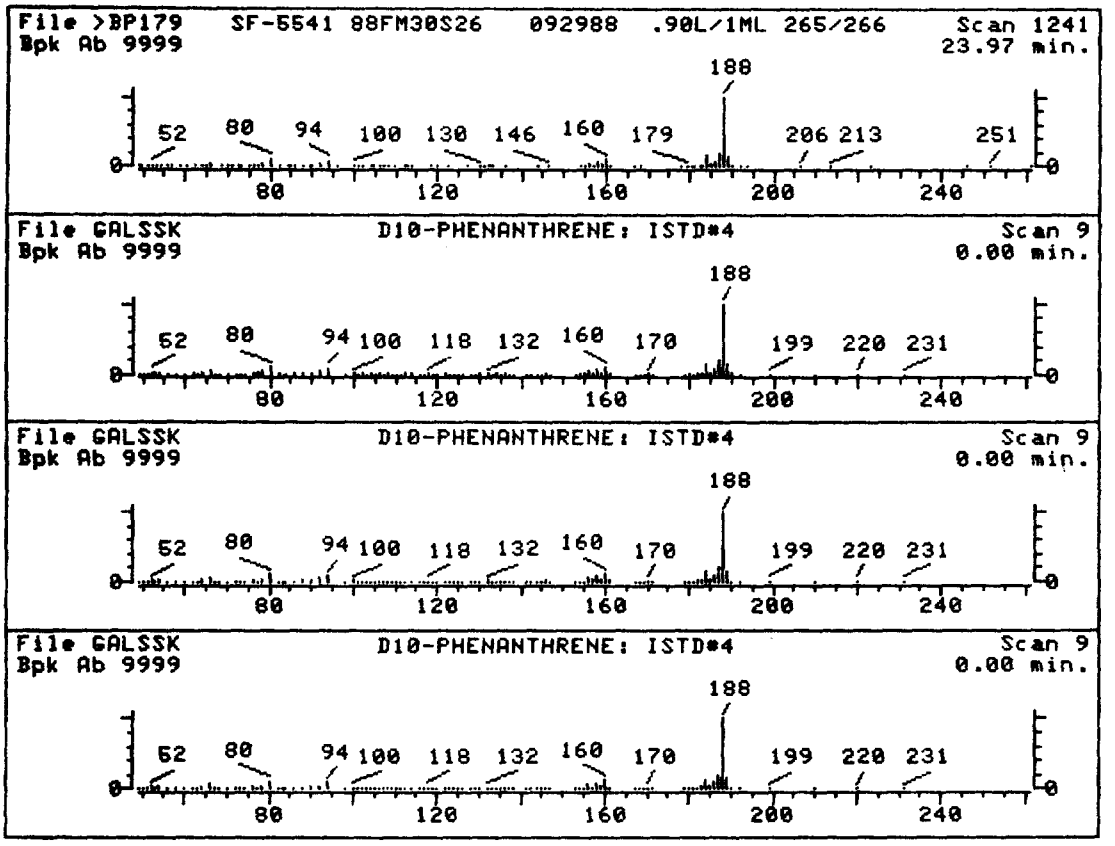

File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 133 146 322 334
0 80 120 160 200 240 280 320 360 400 440

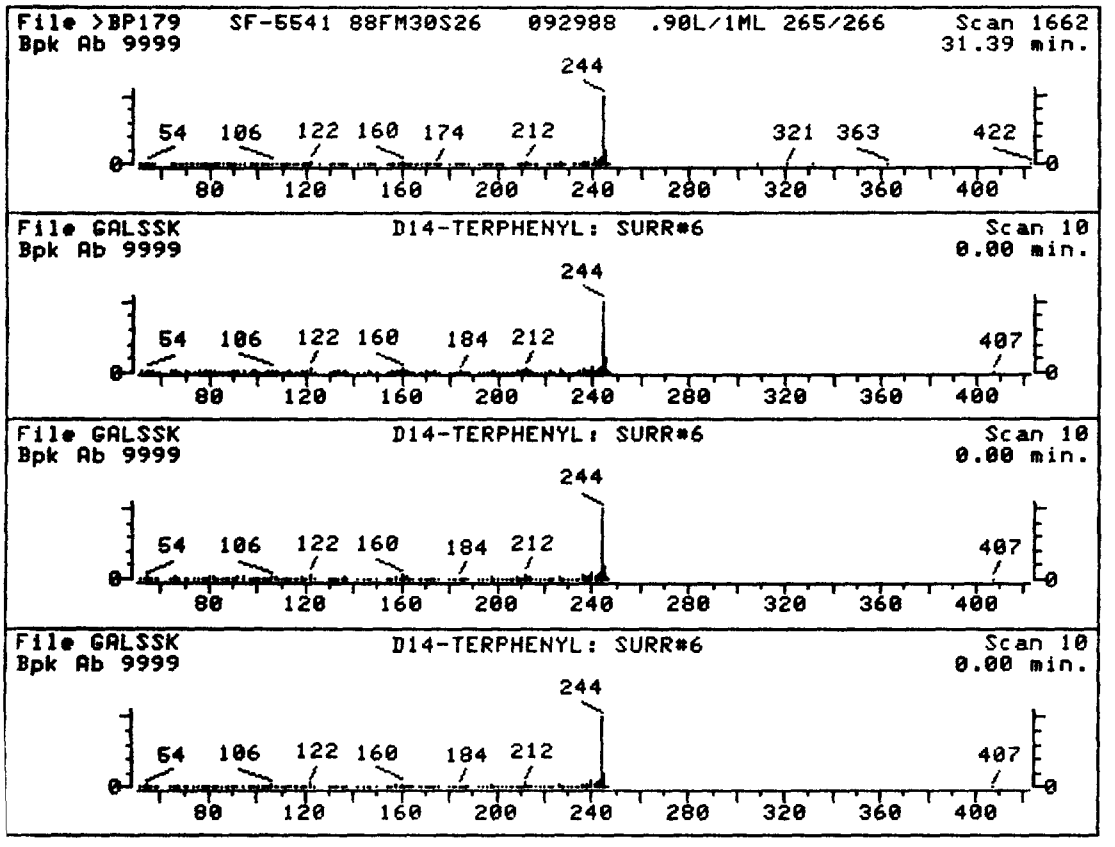

File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 133 146 322 334
0 80 120 160 200 240 280 320 360 400 440

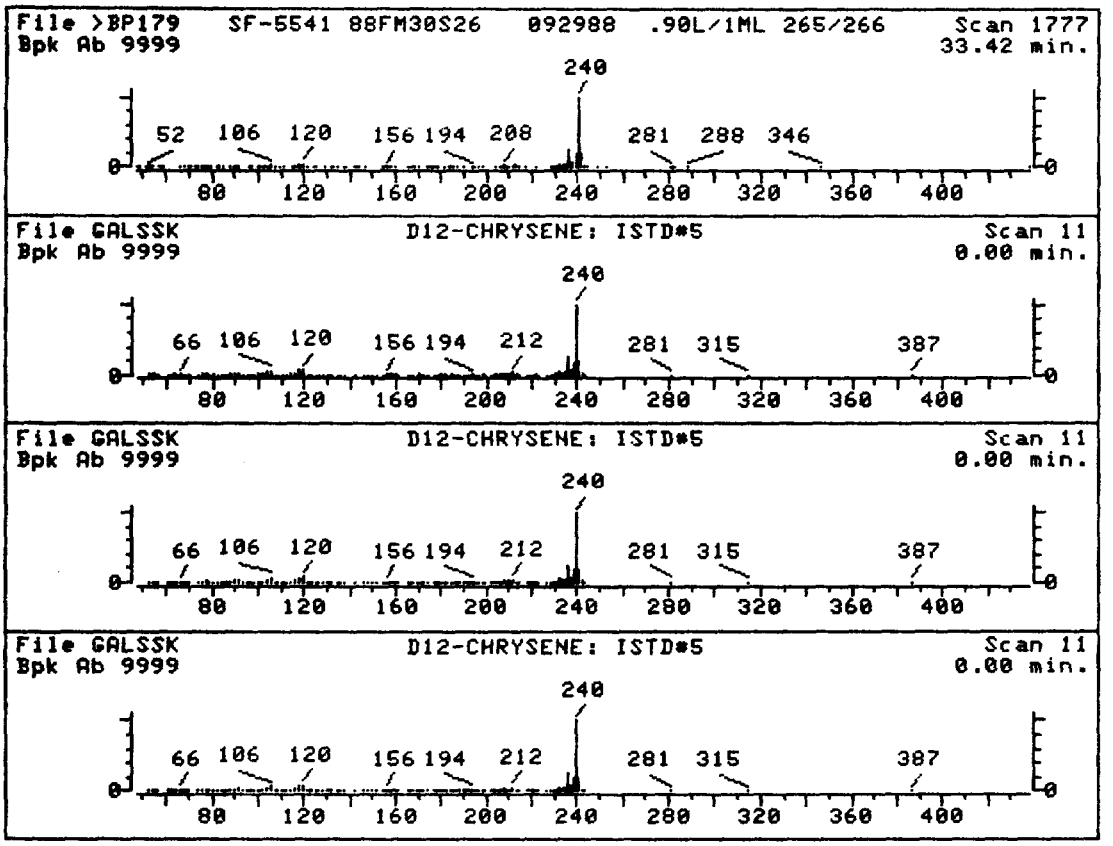

File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 133 146 322 334
0 80 120 160 200 240 280 320 360 400 440

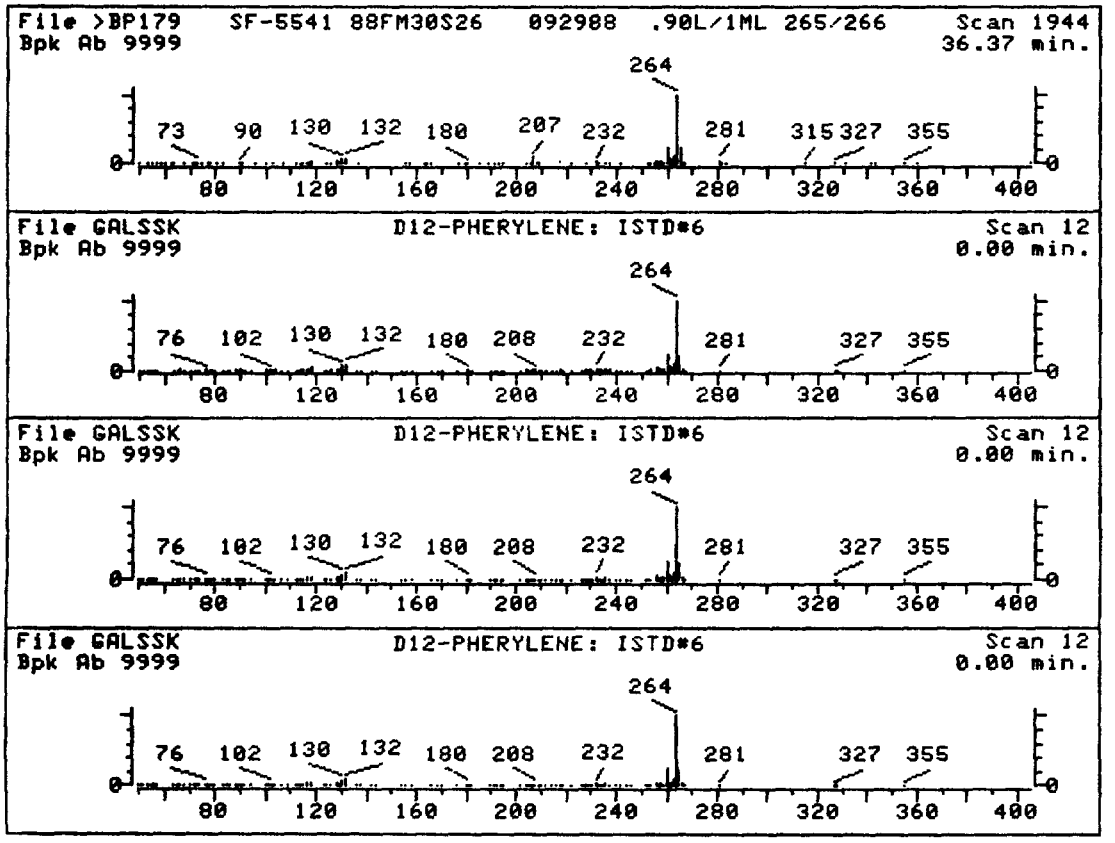

File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266
Bpk Ab 9999
Scan 856
17.18 min.
162
66 80 108 122 132 182 210 232 262 284 314
File GALSSK
Bpk Ab 9999
D10-ACENAPHTHENE: ISTD#3
Scan 7
0.00 min.
164
66 80 90 122 132 194 224
File GALSSK
Bpk Ab 9999
D10-ACENAPHTHENE: ISTD#3
Scan 7
0.00 min.
164
66 80 90 122 132 194 224
File GALSSK
Bpk Ab 9999
D10-ACENAPHTHENE: ISTD#3
Scan 7
0.00 min.
164
66 80 90 122 132 194 224

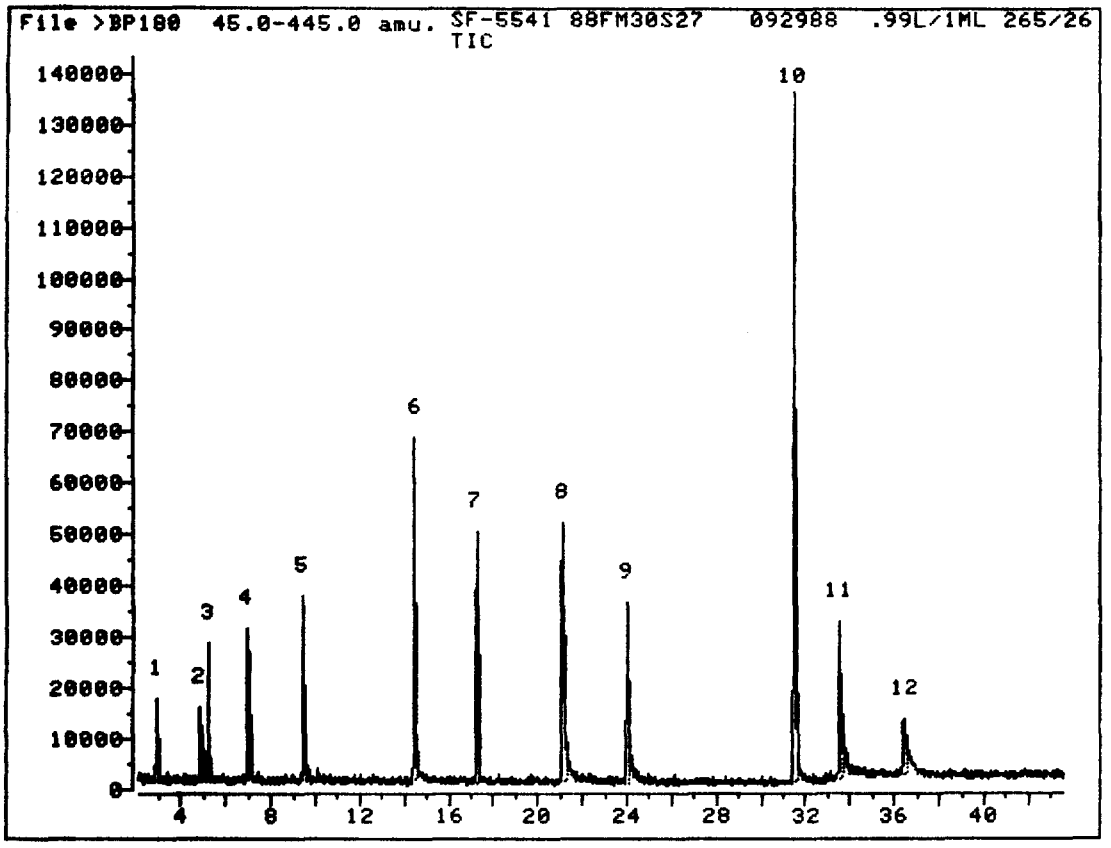

File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266
Bpk Ab 9999
Scan 1075
21.04 min.
330
62 90 111 141 170 197 222 250 303 398
File GALSSK
Bpk Ab 9999
2,4,6-TRIBROMOPHENOL: SURR#5
Scan 8
0.00 min.
332
62 91 111 141 172 197 222 250 275 301 335
File GALSSK
Bpk Ab 9999
2,4,6-TRIBROMOPHENOL: SURR#5
Scan 8
0.00 min.
332
62 91 111 141 172 197 222 250 275 301 335
File GALSSK
Bpk Ab 9999
2,4,6-TRIBROMOPHENOL: SURR#5
Scan 8
0.00 min.
332
62 91 111 141 172 197 222 250 275 301 335


File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 1241
Bpk Ab 9999 23.97 min.
188
52 80 94 100 130 146 160 179 206 213 251
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
52 80 94 100 118 132 160 170 199 220 231
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
52 80 94 100 118 132 160 170 199 220 231
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
52 80 94 100 118 132 160 170 199 220 231
0 80 120 160 200 240


File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 1662
Bpk Ab 9999 31.39 min.
244
54 106 122 160 174 212 321 363 422
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 106 122 160 184 212 407
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 106 122 160 184 212 407
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 106 122 160 184 212 407
0 80 120 160 200 240 280 320 360 400


File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 1777
Bpk Ab 9999 33.42 min.
240
52 106 120 156 194 208 281 288 346
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 106 120 156 194 212 281 315 387
80 120 160 200 240 280 320 360 400


File >BP179 SF-5541 88FM30S26 092988 .90L/1ML 265/266 Scan 1944
Bpk Ab 9999 36.37 min.
264
73 90 130 132 180 207 232 281 315 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 130 132 180 208 232 281 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 130 132 180 208 232 281 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 130 132 180 208 232 281 327 355
80 120 160 200 240 280 320 360 400

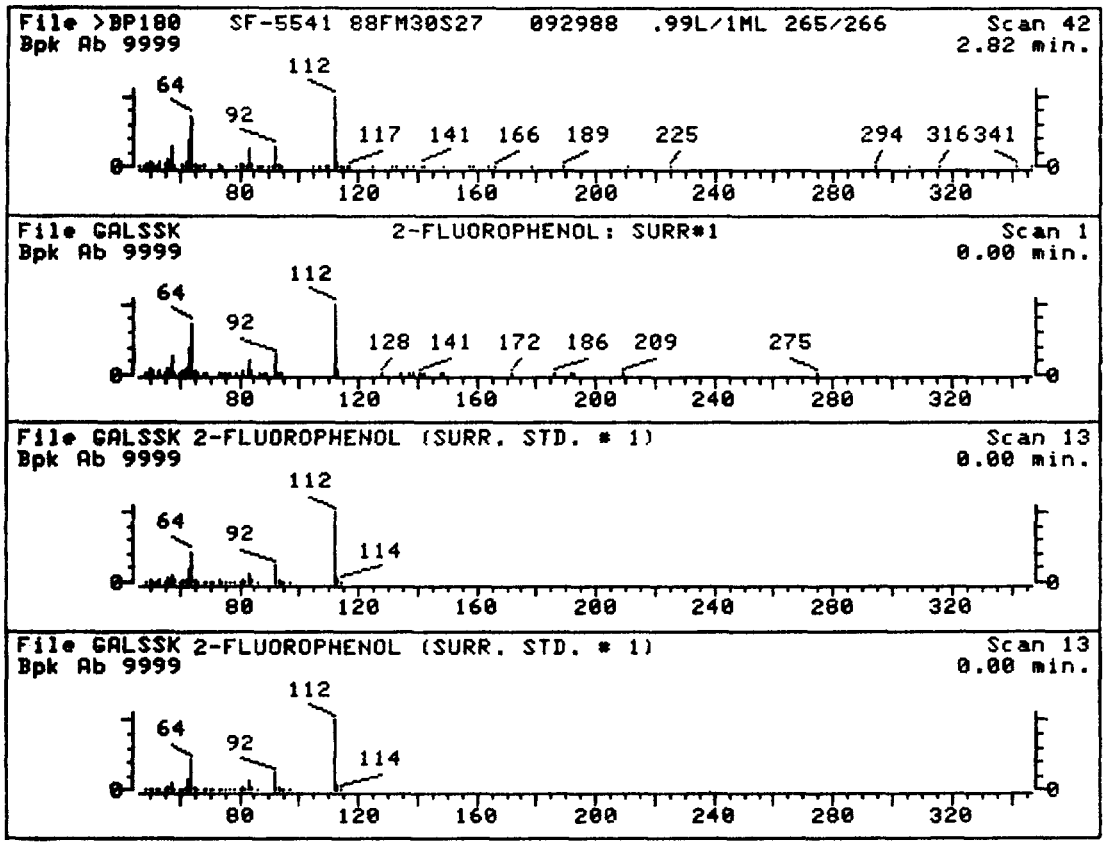

File >BP180 45.0-445.0 amu. SF-5541 88FM30S27 092988 .99L/1ML 265/26
TIC
140000
130000
120000
110000
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
4
5
6
7
8
9
10
11
12
4
8
12
16
20
24
28
32
36
40

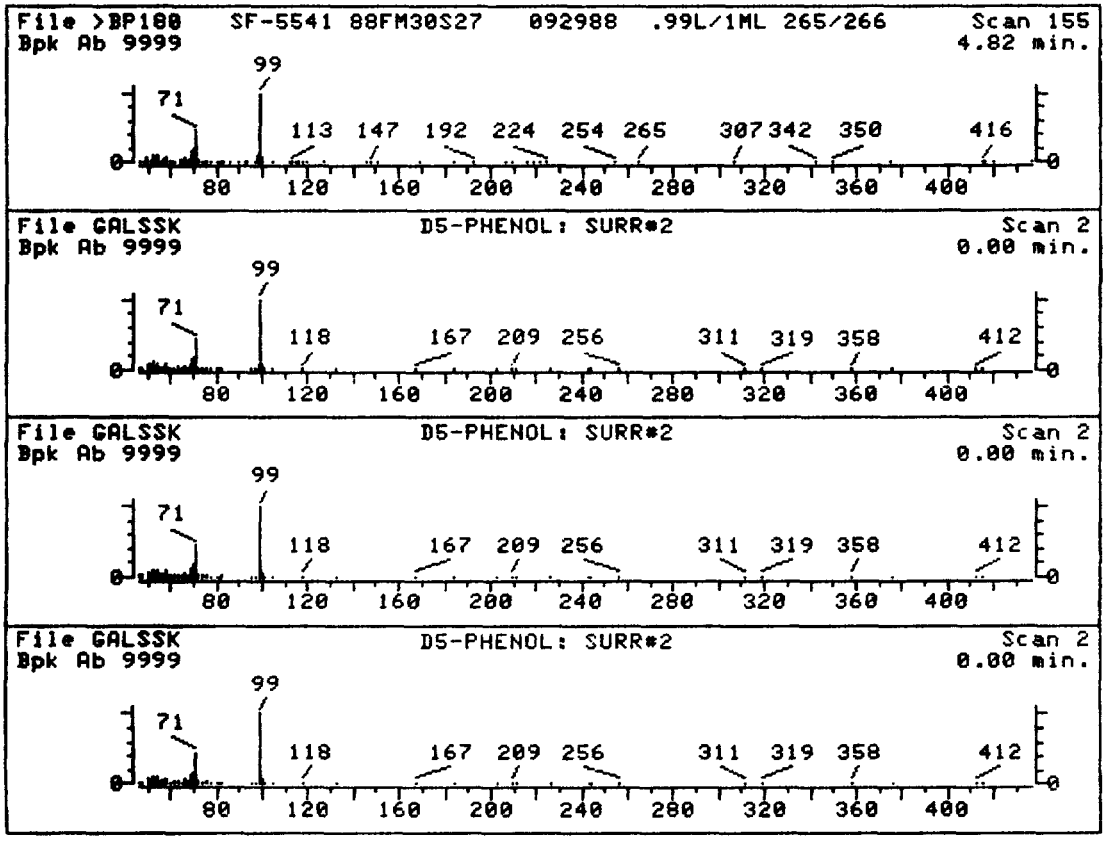
NO TICs

>BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

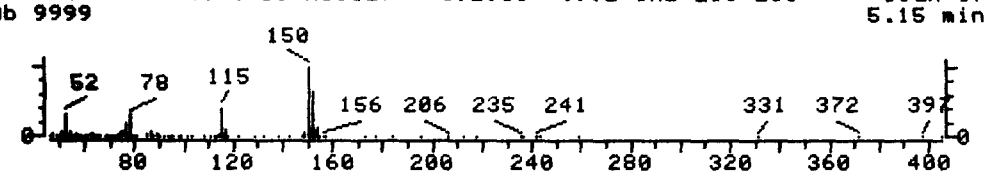
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.82	39	42	50	16269	91343	72888	12.72	3.234
2	4.82	152	155	162	14529	74283	54732	9.55	2.428
3	5.15	170	174	181	27458	113036	94773	16.54	4.205
4	6.93	272	275	286	29723	133094	102823	17.94	4.562
5	9.37	410	413	419	36540	140217	125211	21.85	5.555
6	14.41	694	699	710	67021	275856	241864	42.20	10.731
7	17.18	850	856	869	49429	213521	188325	32.86	8.356
8	21.06	1072	1076	1090	50524	335071	301282	52.57	13.367
9	23.98	1237	1242	1247	35202	174796	159497	27.83	7.077
10	31.41	1659	1663	1675	134738	601971	573083	100.00	25.427
11	33.46	1775	1779	1791	30608	268750	229441	40.04	10.180
12	36.40	1938	1946	1954	10941	157172	109955	19.19	4.878

Sum of corrected areas: 2253874.

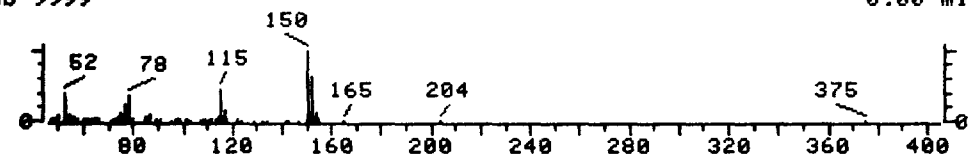

File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 42
Bpk Ab 9999 2.82 min.
64 92 112 117 141 166 189 225 294 316 341
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.
64 92 112 128 141 172 186 209 275
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.
64 92 112 114
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.
64 92 112 114
0 80 120 160 200 240 280 320


File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 155
Bpk Ab 9999 4.82 min.
71 99 113 147 192 224 254 265 307 342 350 416
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 209 256 311 319 358 412
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 209 256 311 319 358 412
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.
71 99 118 167 209 256 311 319 358 412
0 80 120 160 200 240 280 320 360 400

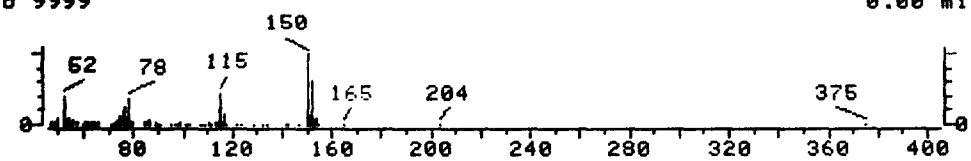
File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 174
Bpk Ab 9999 5.15 min.



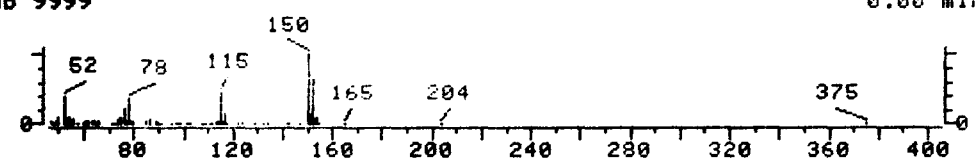
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



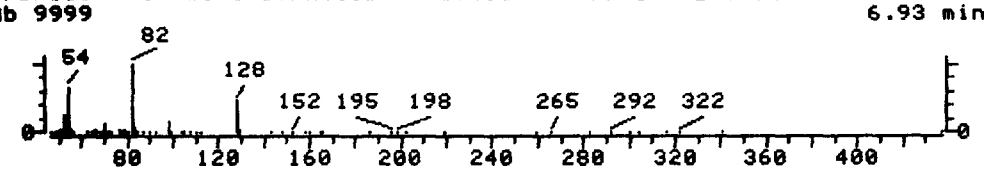
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



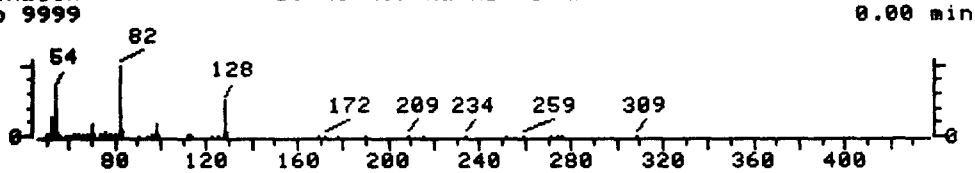
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.



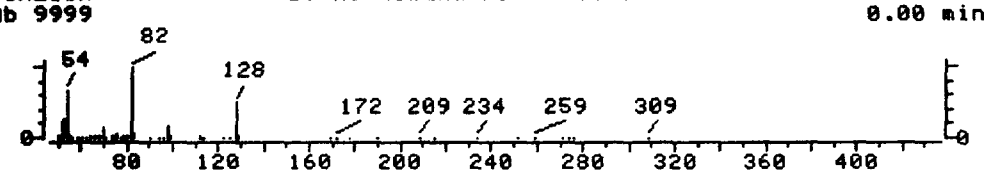
File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 275
Bpk Ab 9999 6.93 min.



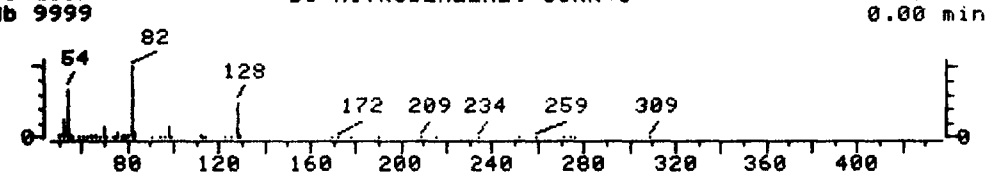
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.

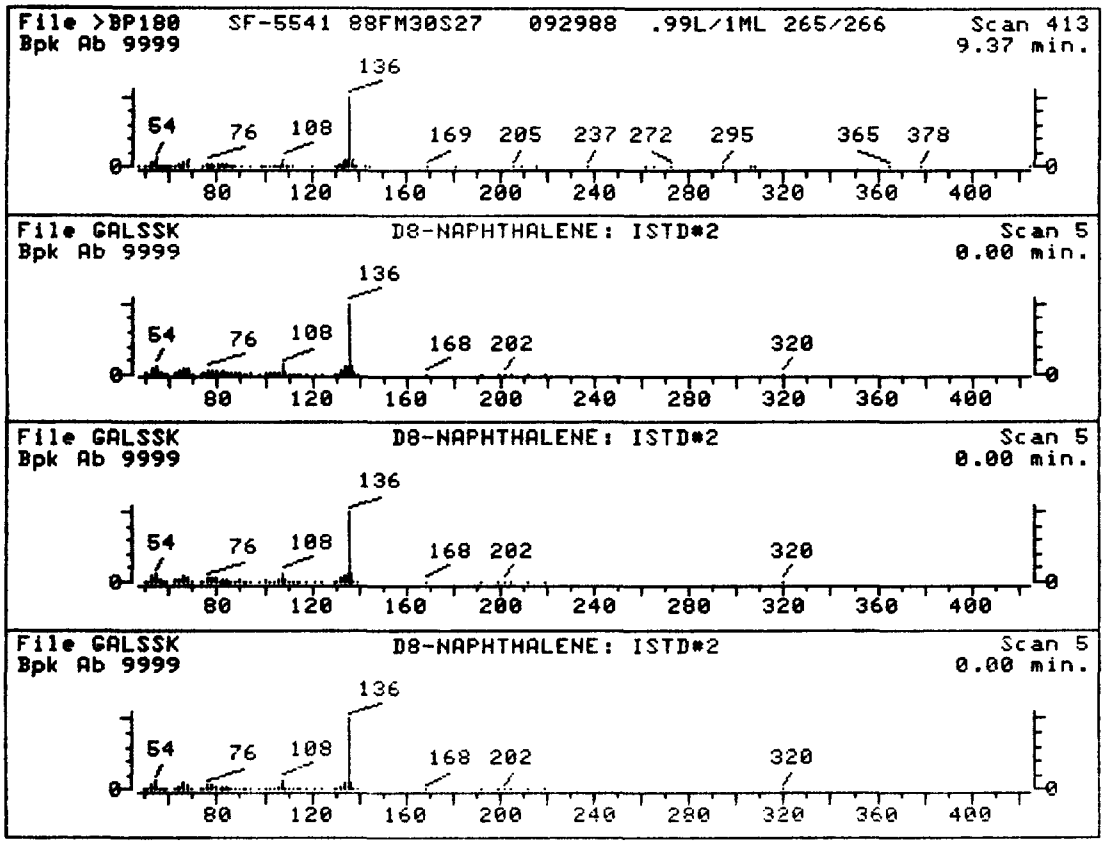


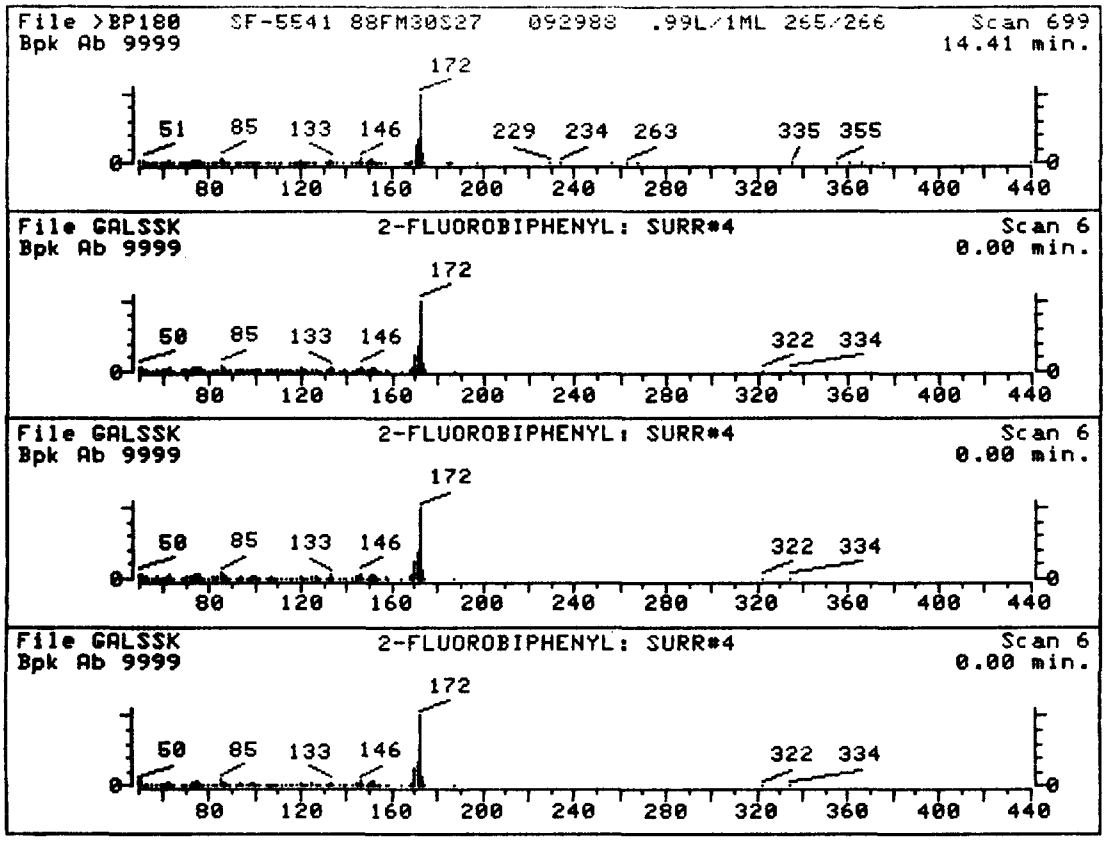
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.

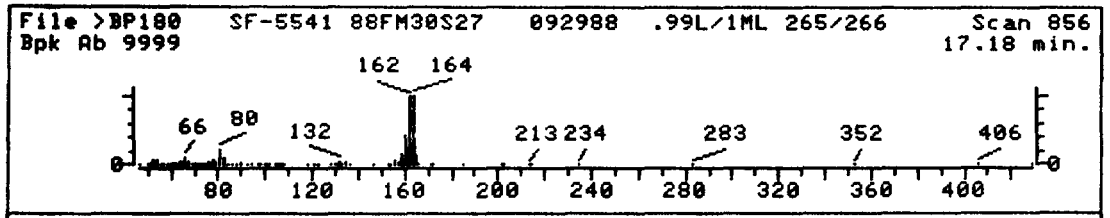


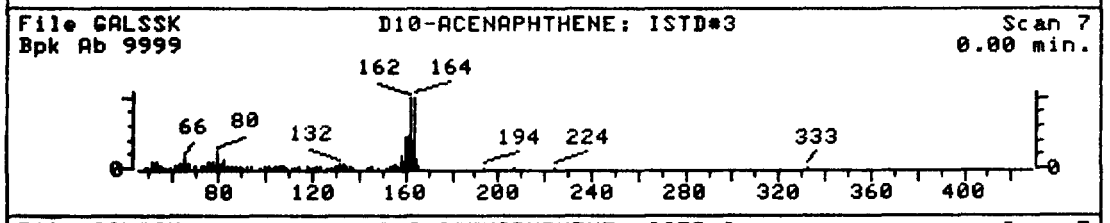
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.

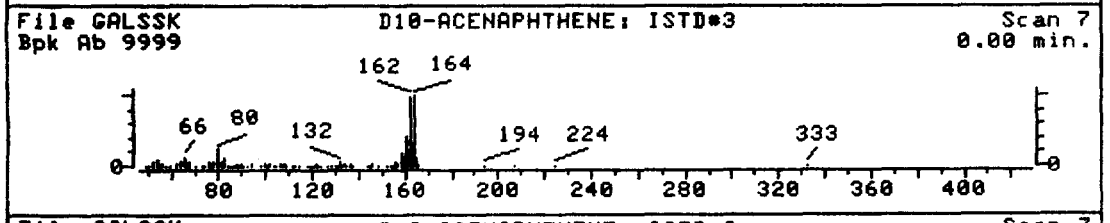


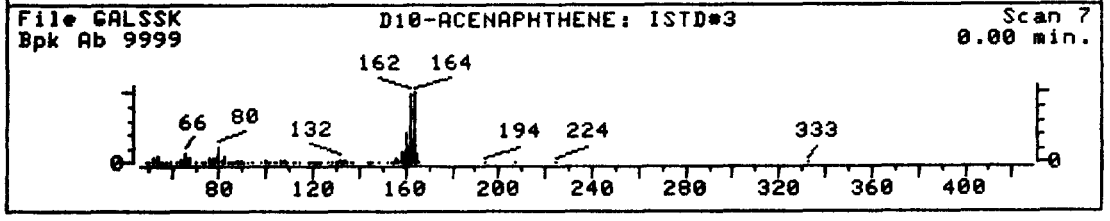

File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 413
Bpk Ab 9999 9.37 min.
136
54 76 108 169 205 237 272 295 365 378
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 108 168 202 320
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 108 168 202 320
File GALSSK D8-NAPHTHALENE: ISTD#2 Scan 5
Bpk Ab 9999 0.00 min.
136
54 76 108 168 202 320
0 80 120 160 200 240 280 320 360 400

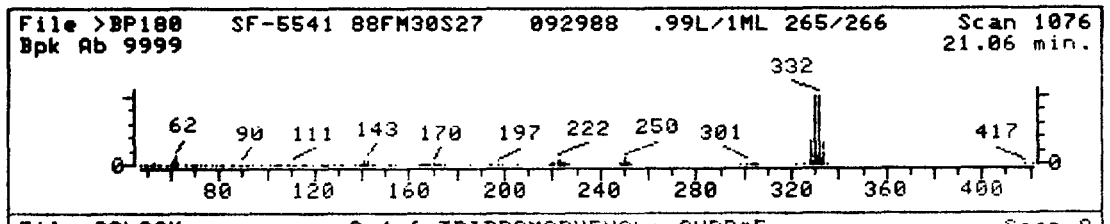

File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 699
Bpk Ab 9999 14.41 min.
172
51 85 133 146 229 234 263 335 355
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 133 146 322 334
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 133 146 322 334
File GALSSK 2-FLUOROBIPHENYL: SURR#4 Scan 6
Bpk Ab 9999 0.00 min.
172
50 85 133 146 322 334
0 80 120 160 200 240 280 320 360 400 440

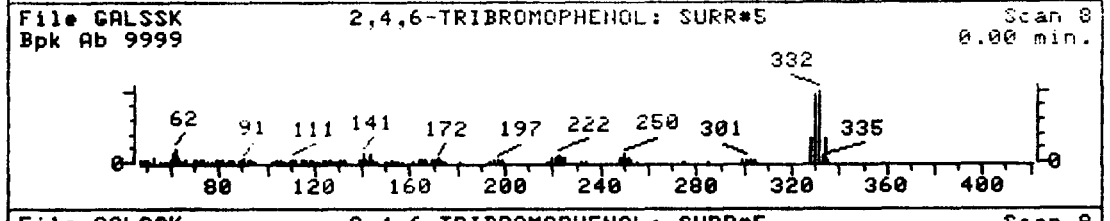

File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 856
Bpk Ab 9999 17.18 min.
162 164
66 80 132 213 234 283 352 406
80 120 160 200 240 280 320 360 400

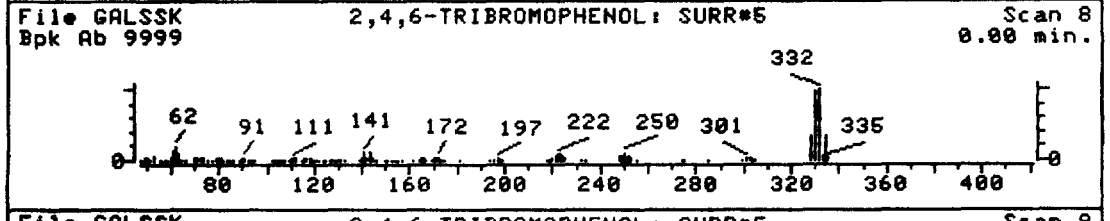

File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
162 164
66 80 132 194 224 333
80 120 160 200 240 280 320 360 400

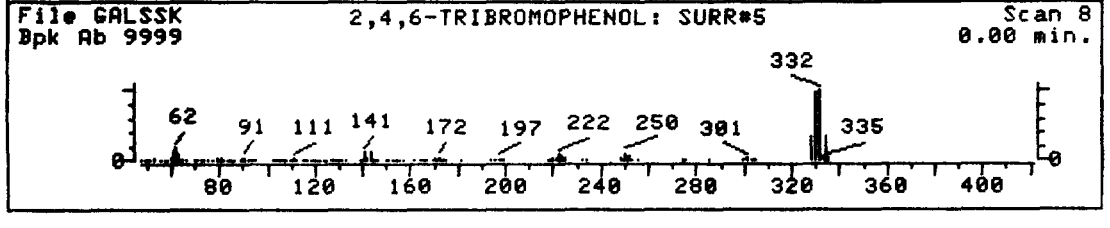

File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
162 164
66 80 132 194 224 333
80 120 160 200 240 280 320 360 400

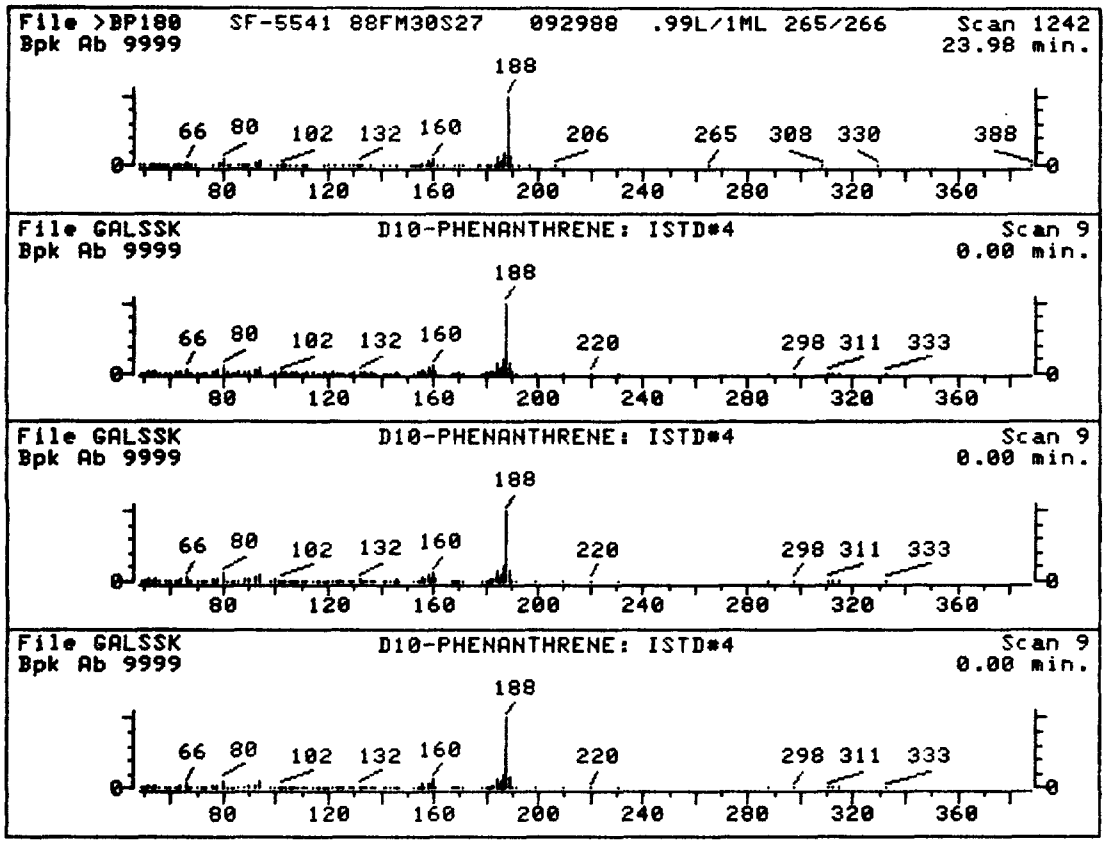

File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
162 164
66 80 132 194 224 333
80 120 160 200 240 280 320 360 400

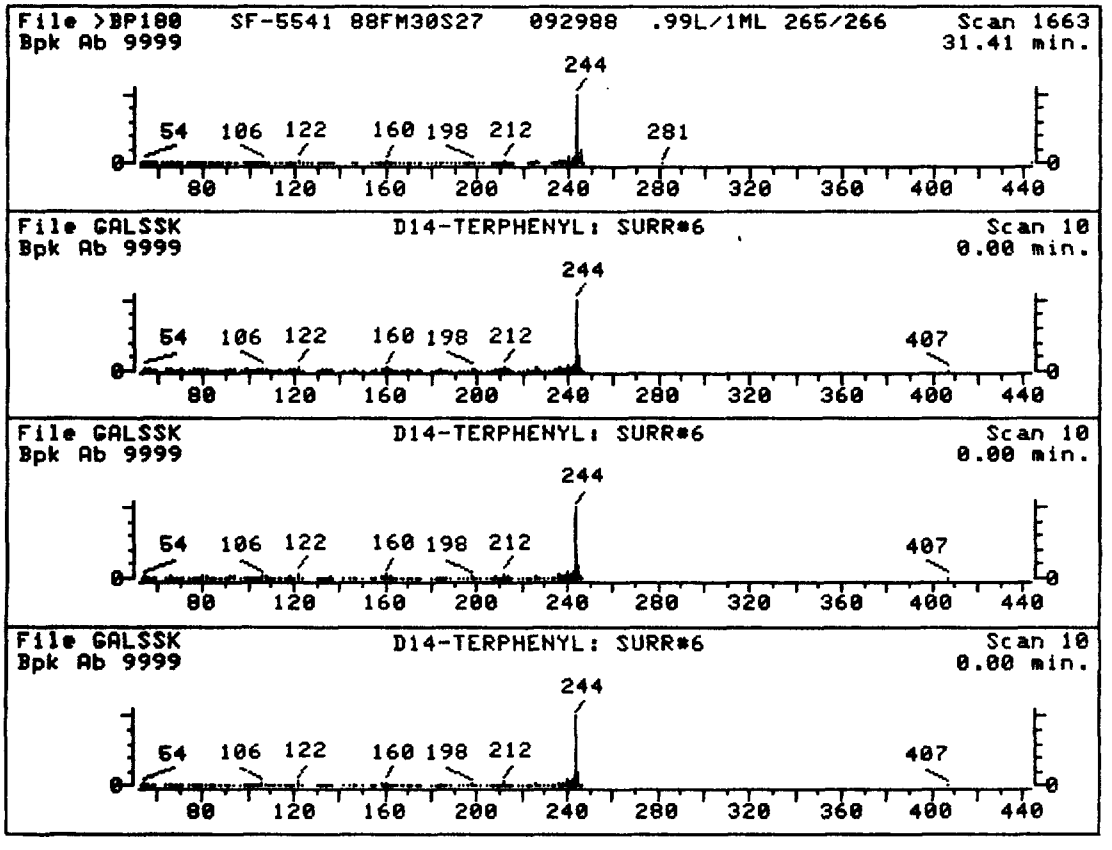

File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 1076
Bpk Ab 9999 21.06 min.
332
62 90 111 143 170 197 222 250 301 417
80 120 160 200 240 280 320 360 400

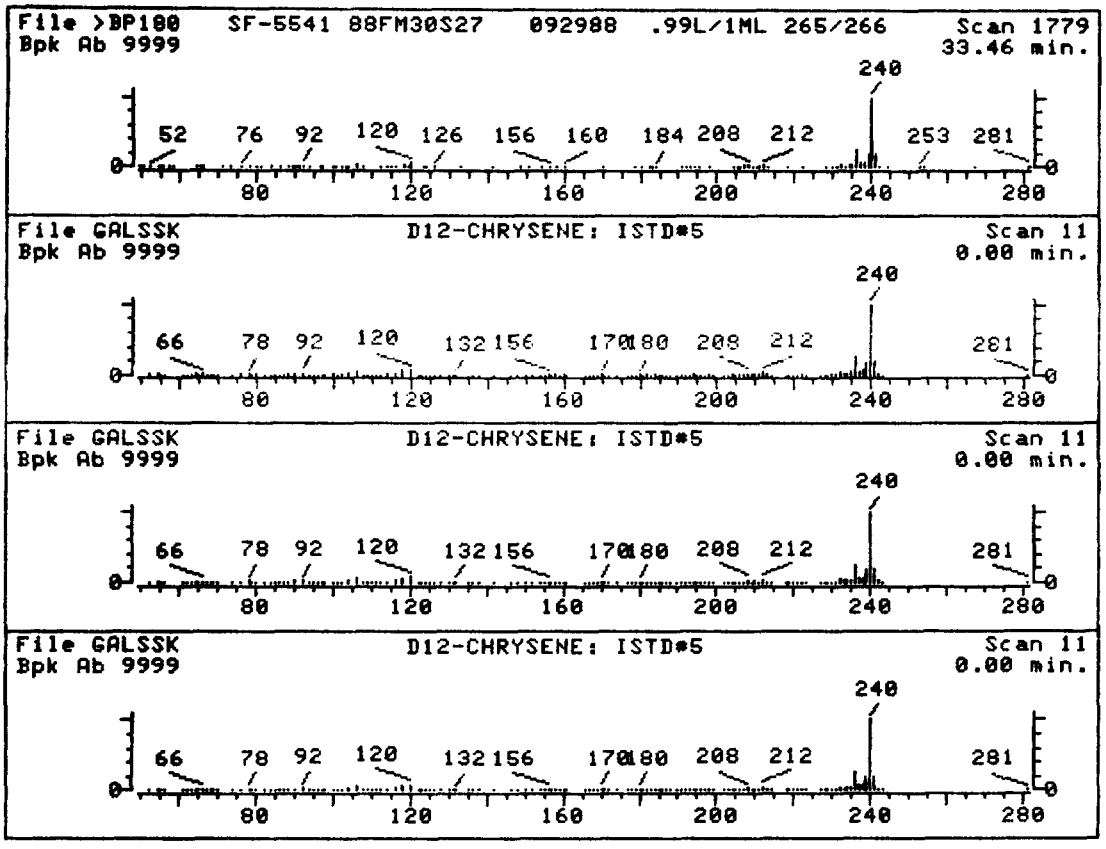

File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 141 172 197 222 250 301 335
80 120 160 200 240 280 320 360 400

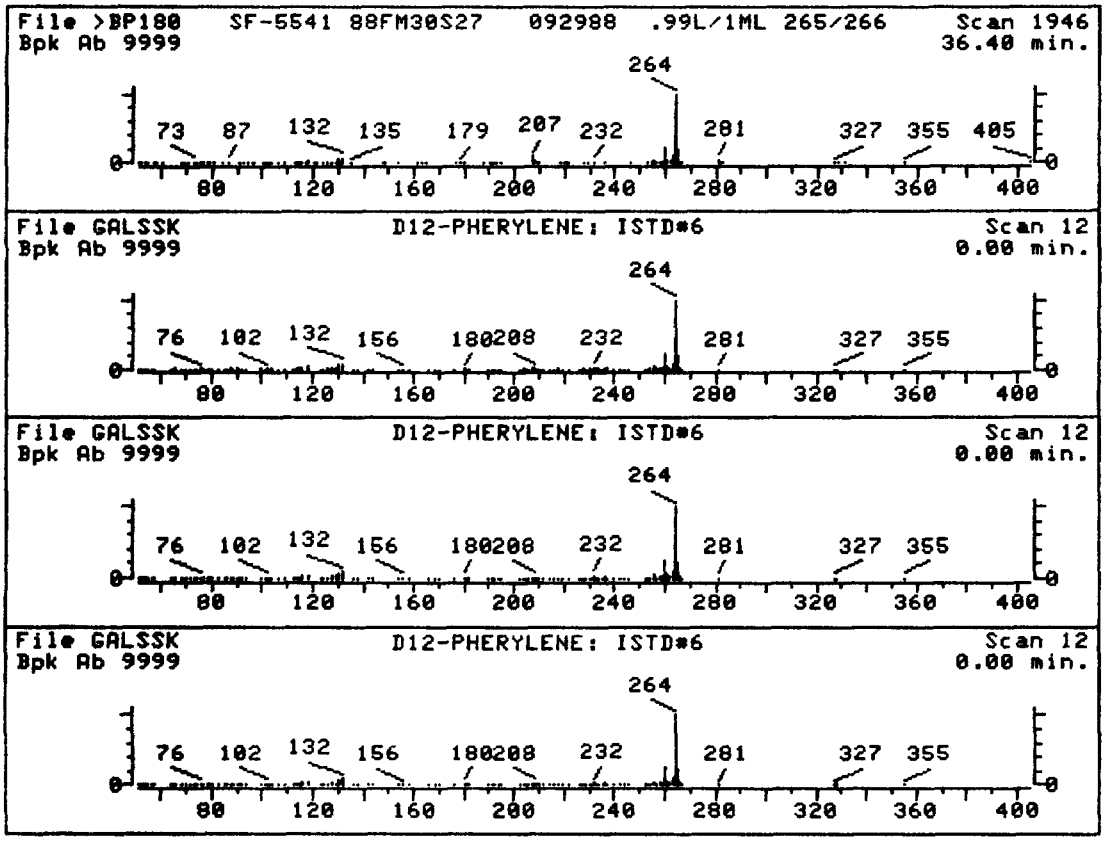

File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 141 172 197 222 250 301 335
80 120 160 200 240 280 320 360 400

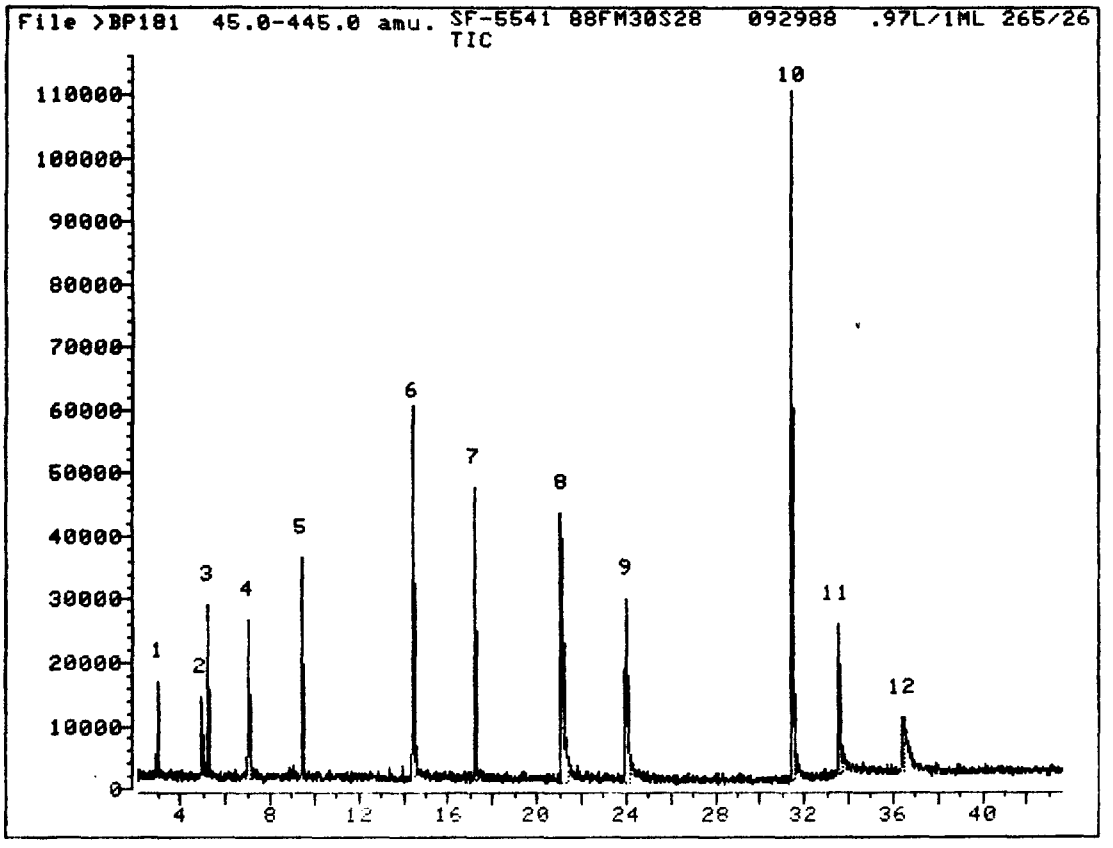

File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 141 172 197 222 250 301 335
80 120 160 200 240 280 320 360 400


File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 1242
Bpk Ab 9999 23.98 min.
188
66 80 102 132 160 206 265 308 330 388
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 102 132 160 220 298 311 333
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 102 132 160 220 298 311 333
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 102 132 160 220 298 311 333
80 120 160 200 240 280 320 360


File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 1663
Bpk Ab 9999 31.41 min.
244
54 106 122 160 198 212 281
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 106 122 160 198 212 407
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 106 122 160 198 212 407
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 106 122 160 198 212 407
80 120 160 200 240 280 320 360 400 440


File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 1779
Bpk Ab 9999 33.46 min.
240
52 76 92 120 126 156 160 184 208 212 253 281
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 78 92 120 132 156 170 180 208 212 281
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 78 92 120 132 156 170 180 208 212 281
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
66 78 92 120 132 156 170 180 208 212 281
0 80 120 160 200 240 280


File >BP180 SF-5541 88FM30S27 092988 .99L/1ML 265/266 Scan 1946
Bpk Ab 9999 36.40 min.
264
73 87 132 135 179 207 232 281 327 355 405
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 132 156 180 208 232 281 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 132 156 180 208 232 281 327 355
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 102 132 156 180 208 232 281 327 355
0 80 120 160 200 240 280 320 360 400


File >BP181 45.0-445.0 amu. SF-5541 88FM30S28 092988 .97L/1ML 265/26
TIC
110000
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
4
5
6
7
8
9
10
11
12
4
8
12
16
20
24
28
32
36
40

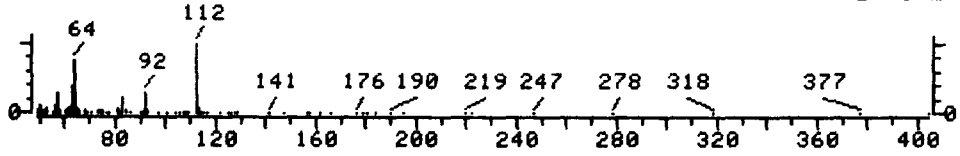
No TICs

>BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266
45.01 445.0 TIC
Upslope: .20 Area Reject: 5.00 % Max Peaks: 12 Bunching: 1
Dnslope: 0.00 Results File VDIR78 Sorted by Time/Area INT

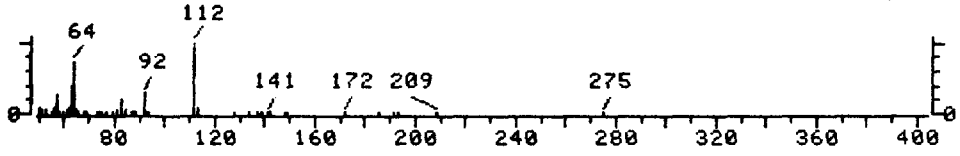
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	2.91	44	47	53	14979	80865	62380	12.84	3.066
2	4.89	156	159	165	12268	66503	44582	9.18	2.192
3	5.20	174	177	184	26980	113193	91295	18.79	4.488
4	6.99	274	278	285	25126	112292	92591	19.06	4.552
5	9.38	409	414	424	34775	148454	121717	25.06	5.983
6	14.39	695	698	711	58451	251756	215398	44.34	10.589
7	17.18	850	856	866	46213	206391	181994	37.46	8.946
8	21.04	1071	1075	1098	42452	331046	299044	61.56	14.700
9	23.97	1235	1241	1254	29023	194492	172549	35.52	8.482
10	31.39	1659	1662	1675	109295	508690	485788	100.00	23.880
11	33.44	1775	1778	1795	23854	242105	193603	39.85	9.517
12	36.38	1940	1945	1952	8592	108442	73308	15.09	3.604

Sum of corrected areas: 2034249.

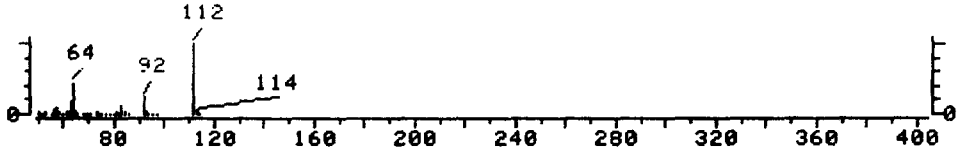
File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 47
Bpk Ab 9999 2.91 min.



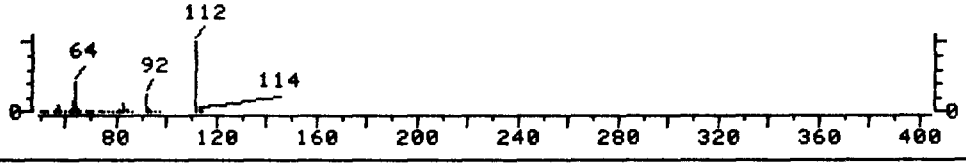
File GALSSK 2-FLUOROPHENOL: SURR#1 Scan 1
Bpk Ab 9999 0.00 min.



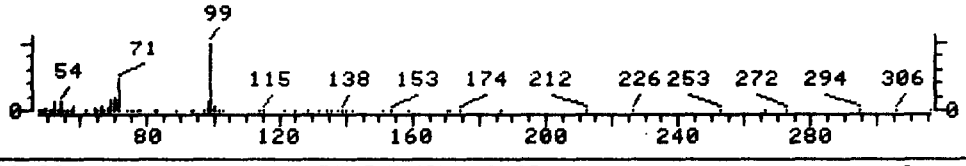
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.



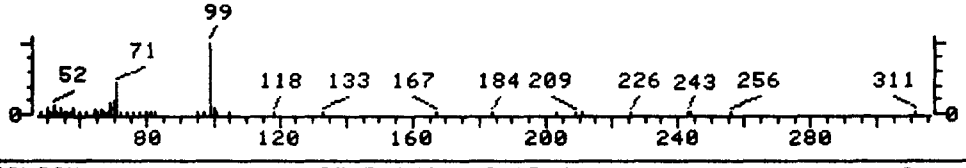
File GALSSK 2-FLUOROPHENOL (SURR. STD. # 1) Scan 13
Bpk Ab 9999 0.00 min.



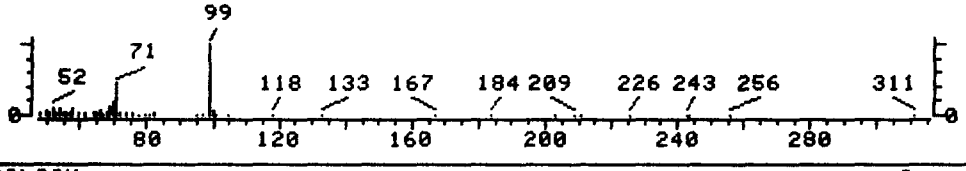
File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 159
Bpk Ab 9999 4.89 min.



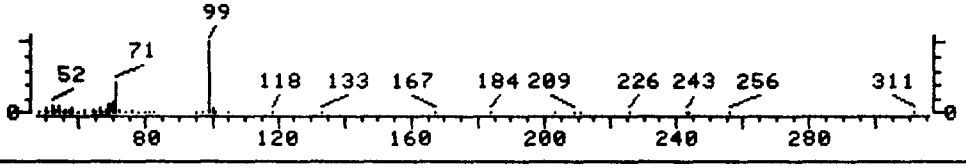
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

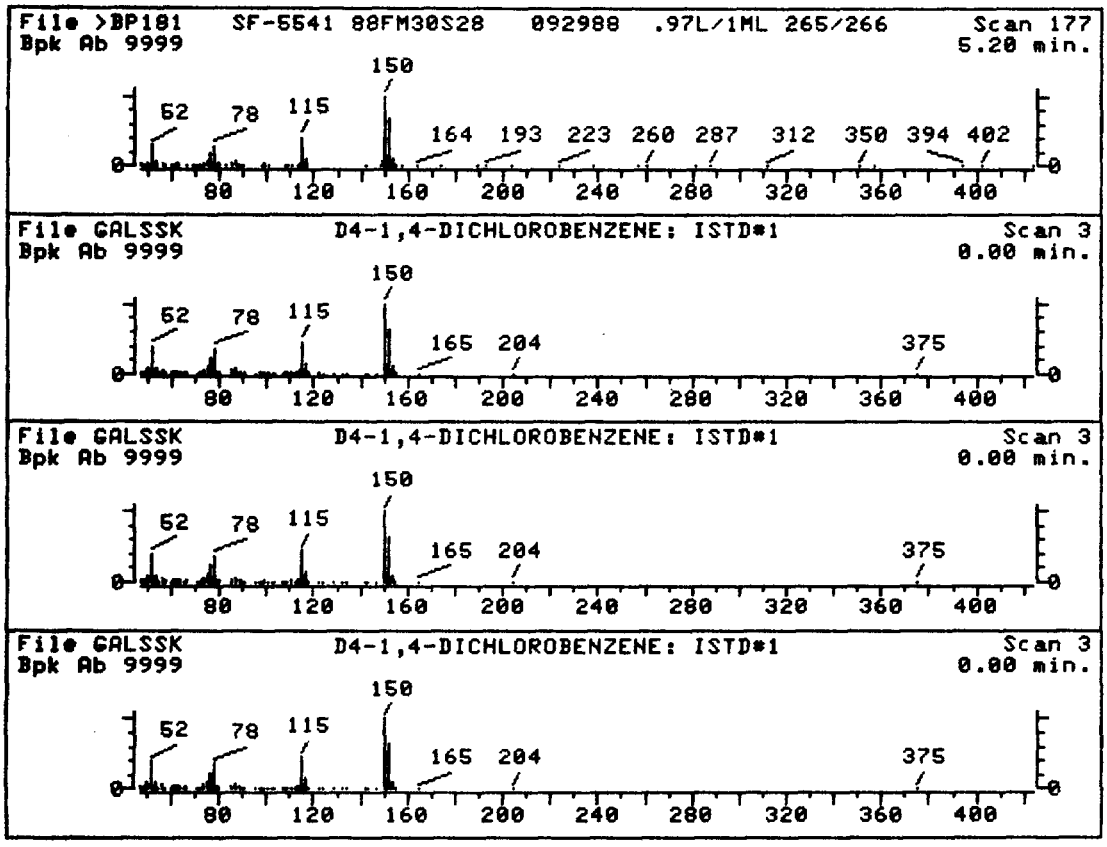


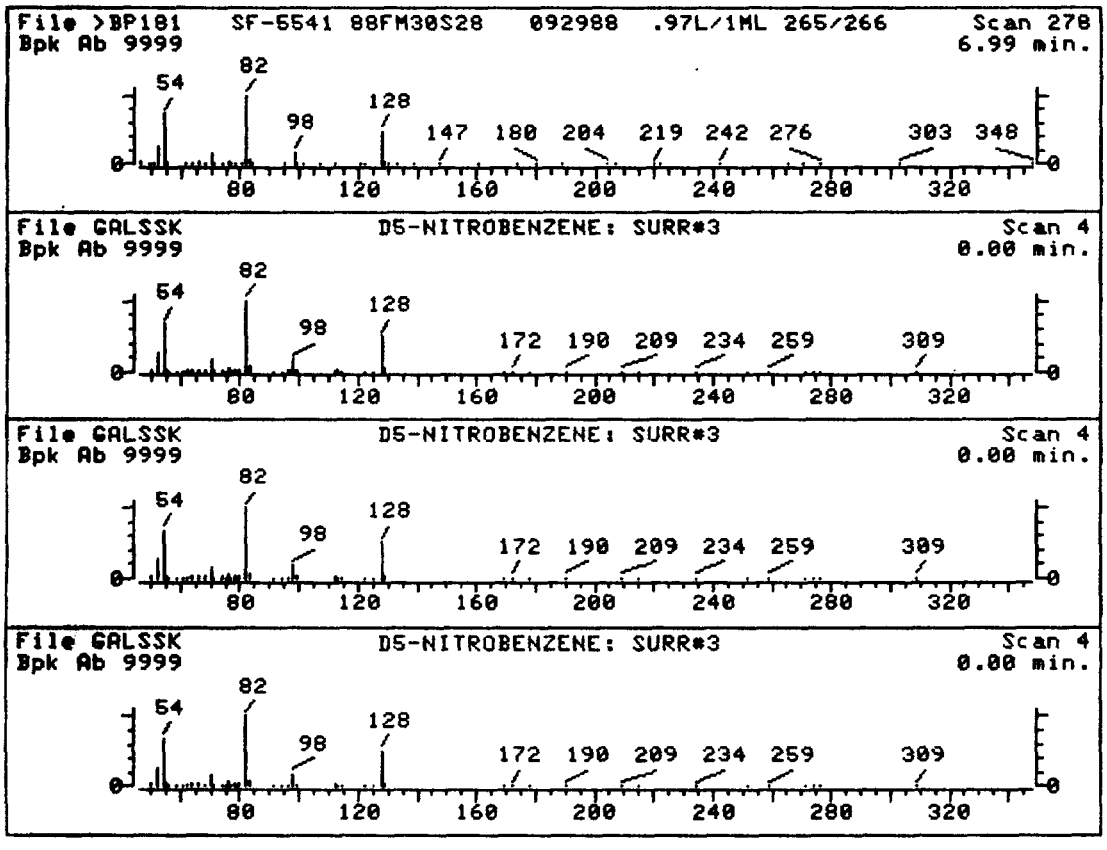
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

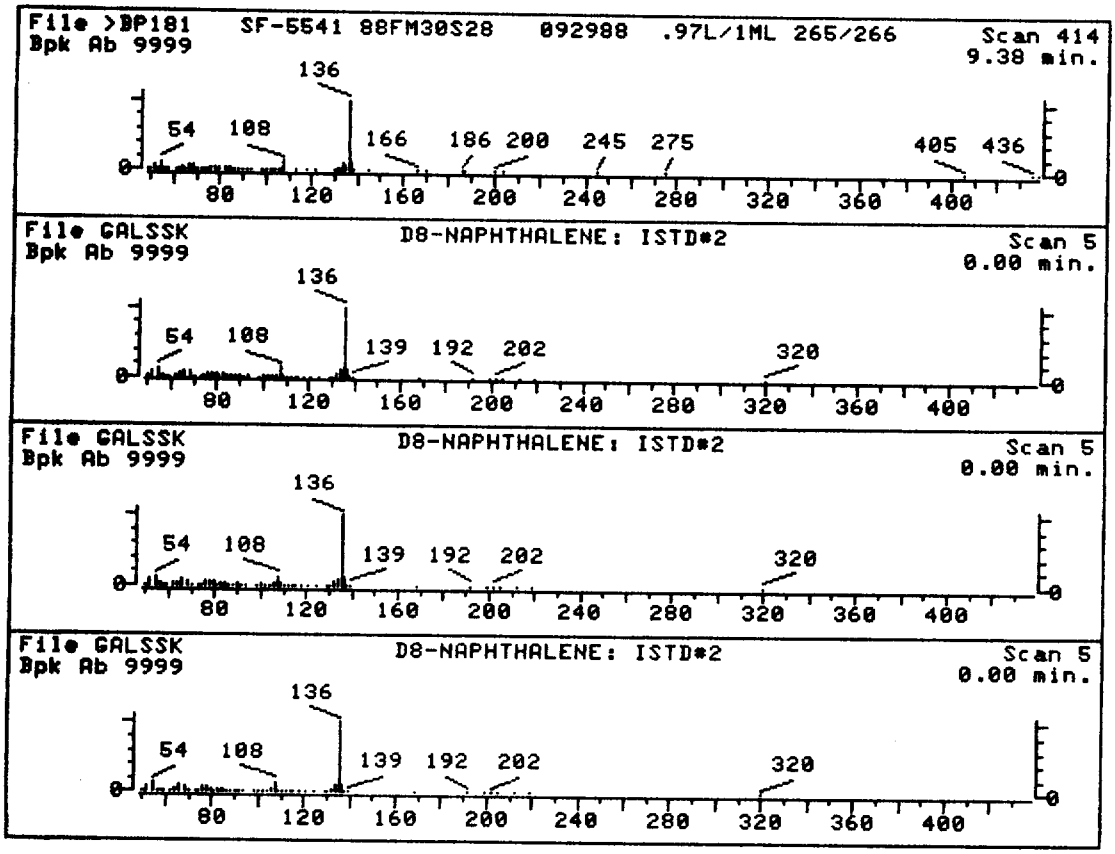


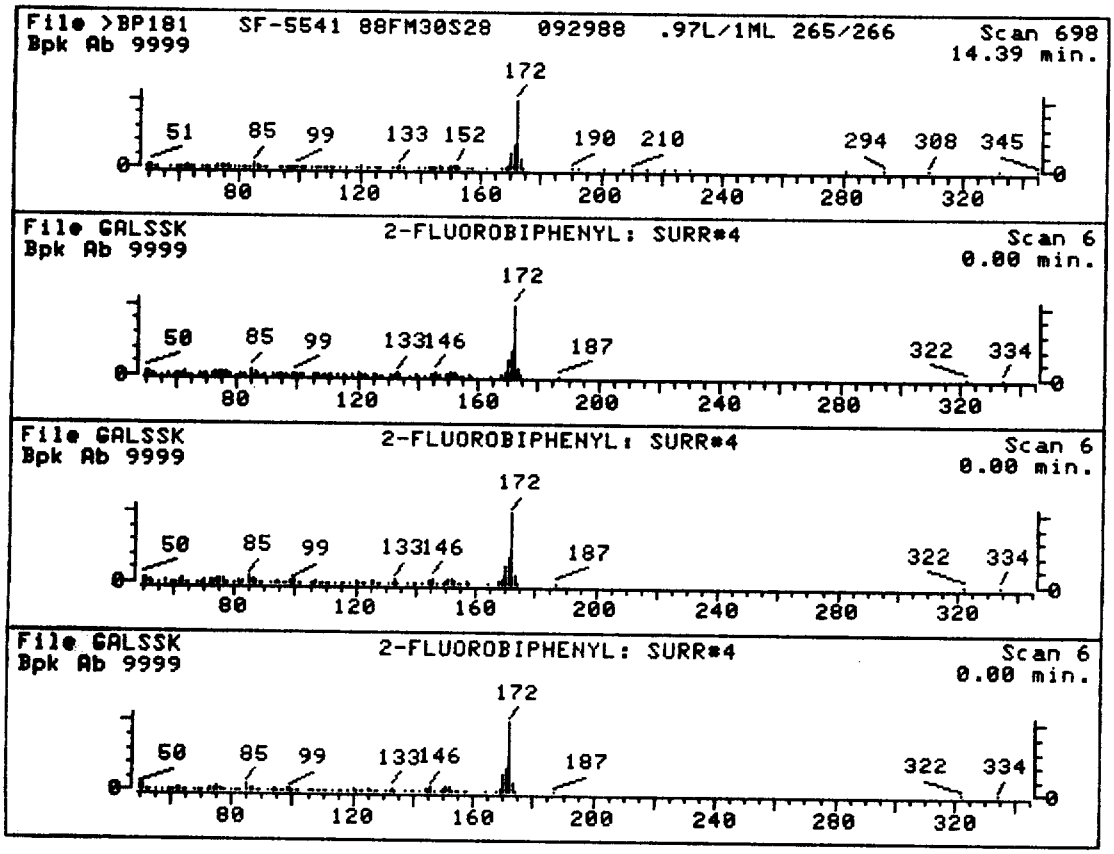
File GALSSK D5-PHENOL: SURR#2 Scan 2
Bpk Ab 9999 0.00 min.

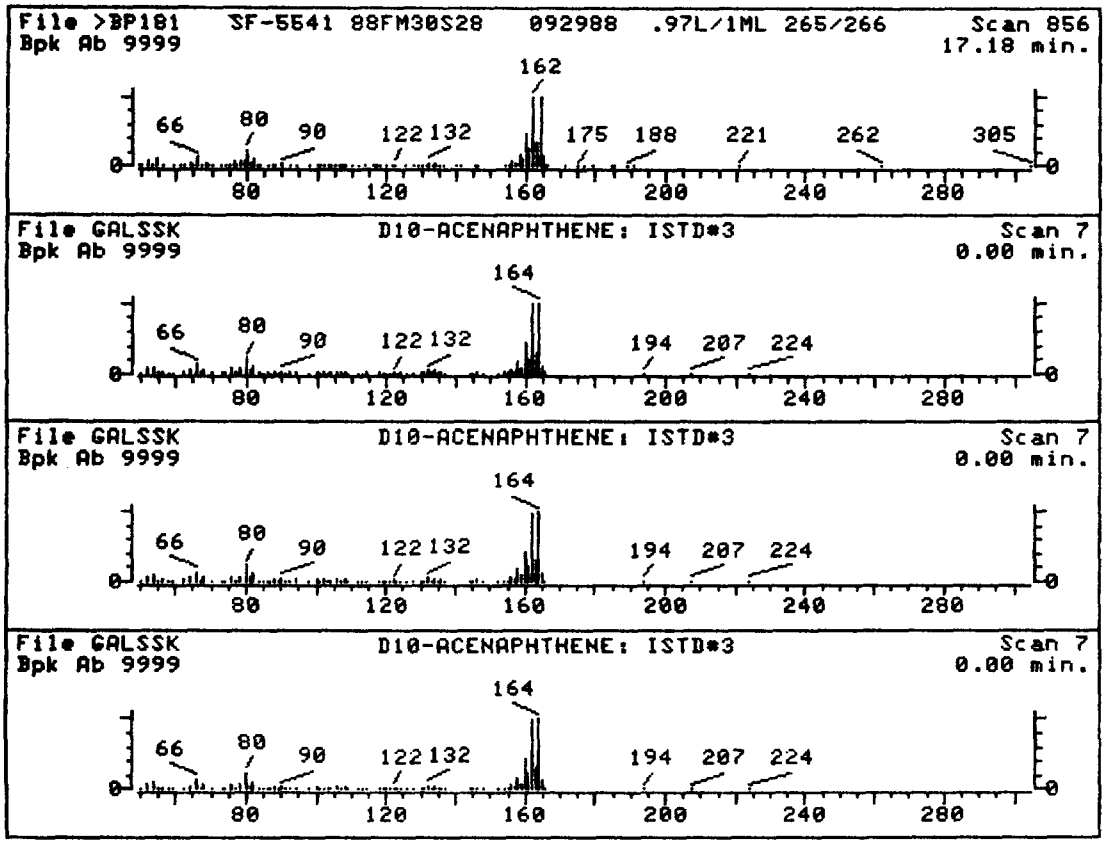


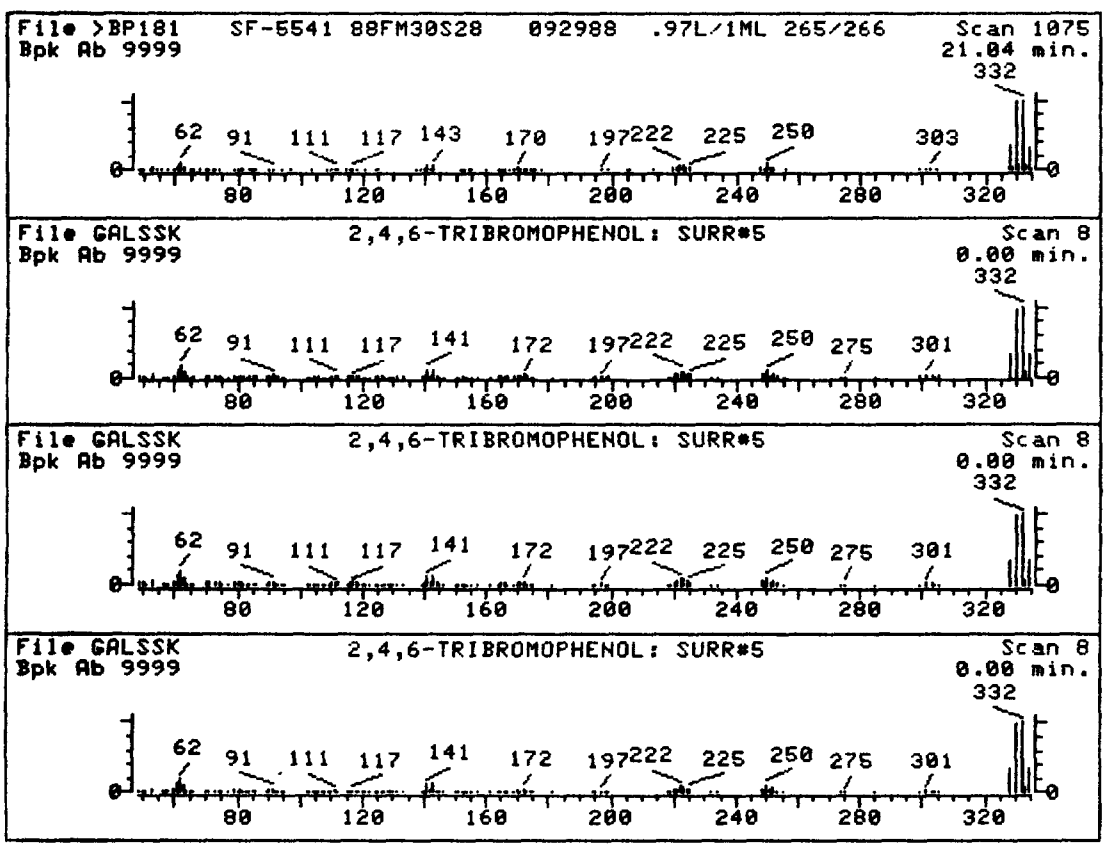

File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 177
Bpk Ab 9999 5.20 min.
150
52 78 115 164 193 223 260 287 312 350 394 402
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 115 165 204 375
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 115 165 204 375
File GALSSK D4-1,4-DICHLOROBENZENE: ISTD#1 Scan 3
Bpk Ab 9999 0.00 min.
150
52 78 115 165 204 375
80 120 160 200 240 280 320 360 400

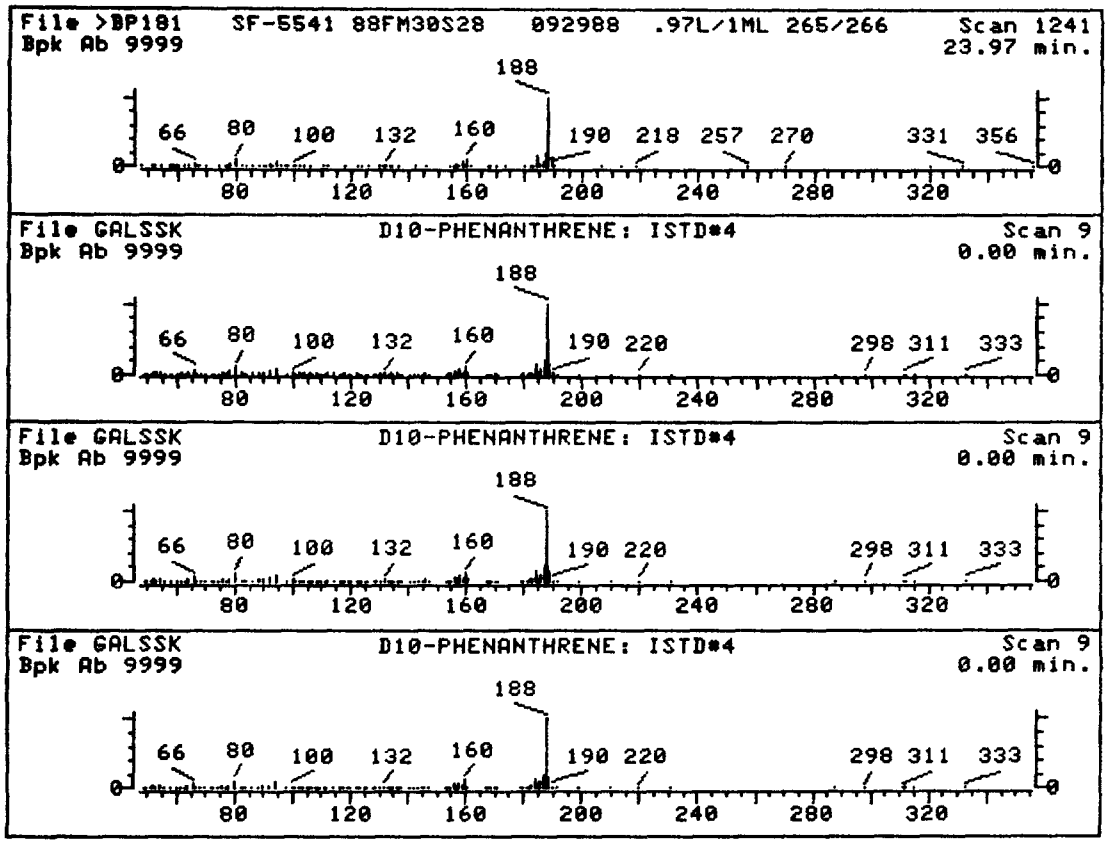

File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 278
Bpk Ab 9999 6.99 min.
54 82 98 128 147 180 204 219 242 276 303 348
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
54 82 98 128 172 190 209 234 259 309
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
54 82 98 128 172 190 209 234 259 309
File GALSSK D5-NITROBENZENE: SURR#3 Scan 4
Bpk Ab 9999 0.00 min.
54 82 98 128 172 190 209 234 259 309
80 120 160 200 240 280 320

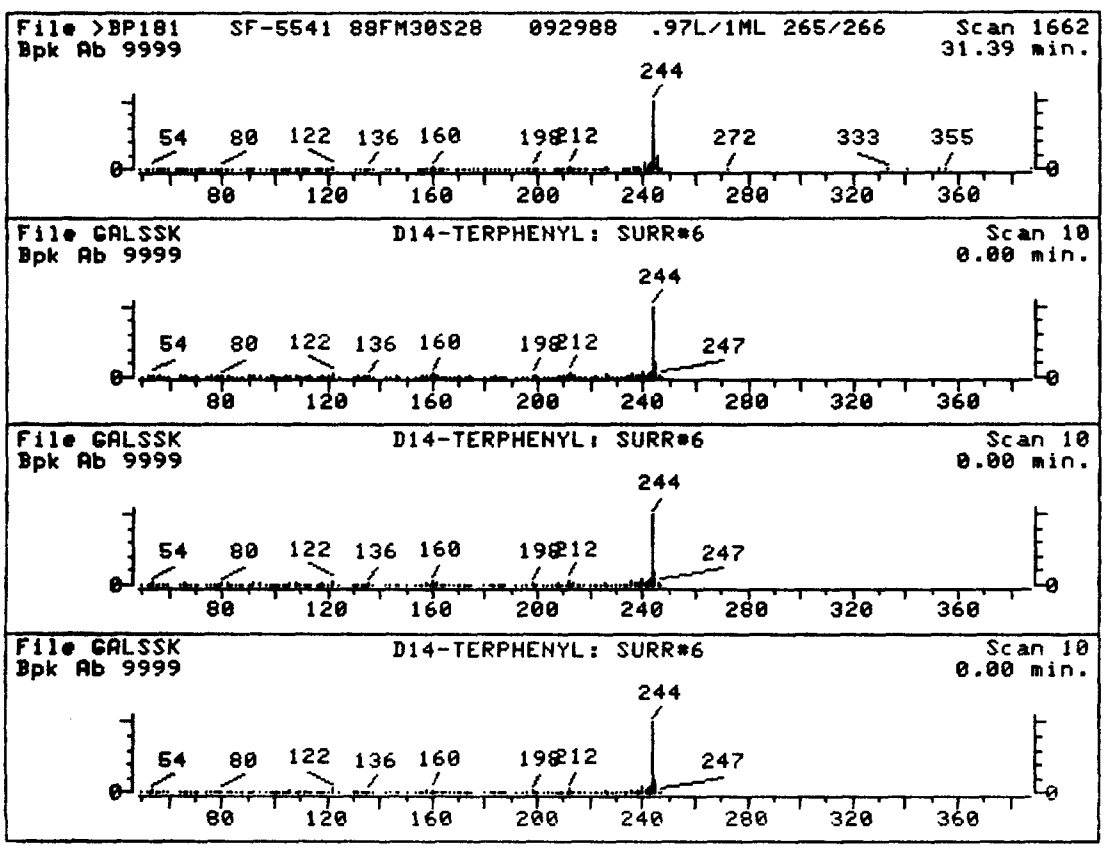

File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266
Bpk Ab 9999
Scan 414
9.38 min.
136
54 108 166 186 200 245 275 405 436
File GALSSK
Bpk Ab 9999
D8-NAPHTHALENE: ISTD#2
Scan 5
0.00 min.
136
54 108 139 192 202 320
File GALSSK
Bpk Ab 9999
D8-NAPHTHALENE: ISTD#2
Scan 5
0.00 min.
136
54 108 139 192 202 320
File GALSSK
Bpk Ab 9999
D8-NAPHTHALENE: ISTD#2
Scan 5
0.00 min.
136
54 108 139 192 202 320
80 120 160 200 240 280 320 360 400

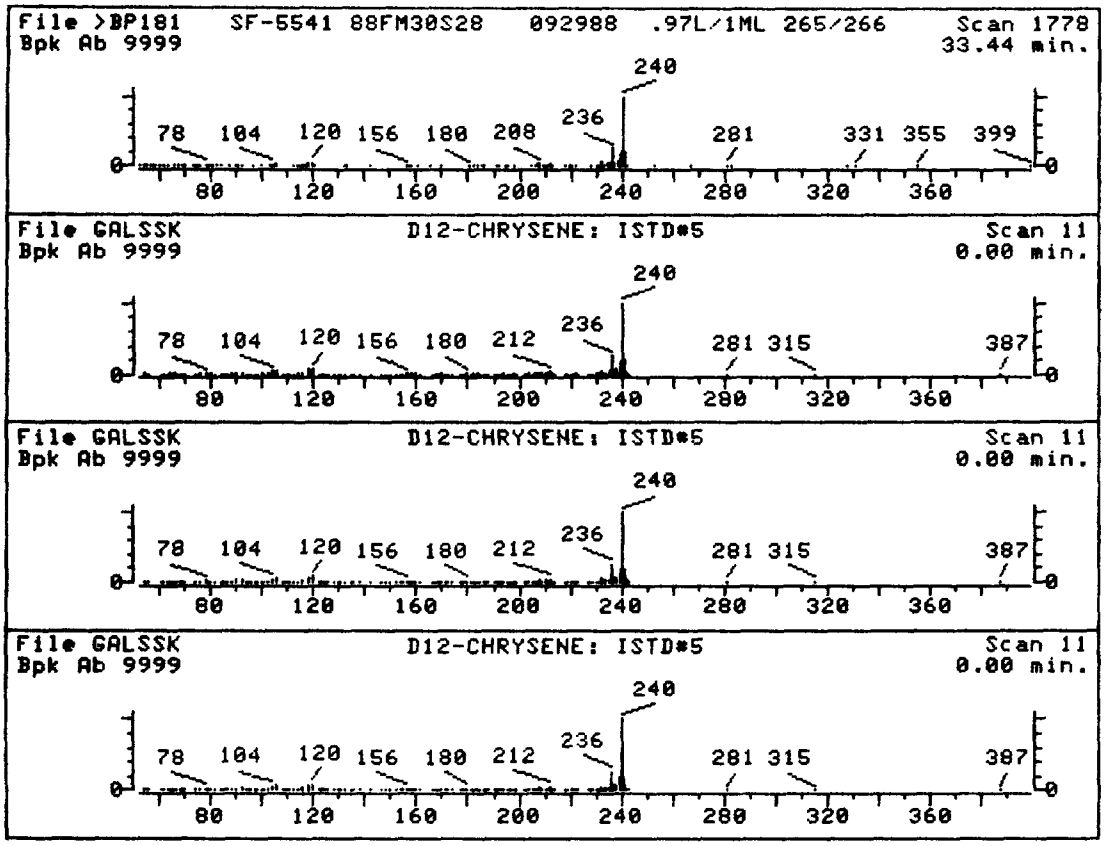

File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266
Bpk Ab 9999
Scan 698
14.39 min.
172
51 85 99 133 152 190 210 294 308 345
File GALSSK
Bpk Ab 9999
2-FLUOROBIPHENYL: SURR#4
Scan 6
0.00 min.
172
50 85 99 133146 187 322 334
File GALSSK
Bpk Ab 9999
2-FLUOROBIPHENYL: SURR#4
Scan 6
0.00 min.
172
50 85 99 133146 187 322 334
File GALSSK
Bpk Ab 9999
2-FLUOROBIPHENYL: SURR#4
Scan 6
0.00 min.
172
50 85 99 133146 187 322 334
80 120 160 200 240 280 320

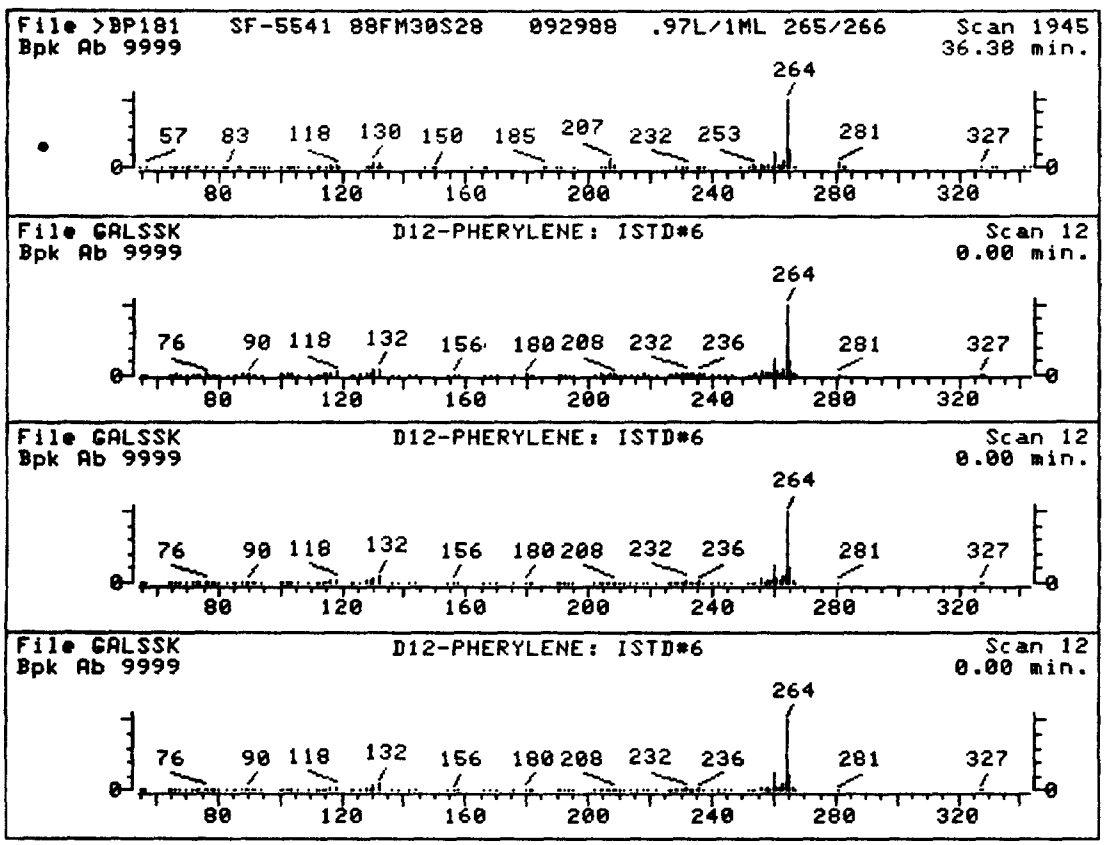

File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 856
Bpk Ab 9999 17.18 min.
162
66 80 90 122 132 175 188 221 262 305
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 90 122 132 194 207 224
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 90 122 132 194 207 224
File GALSSK D10-ACENAPHTHENE: ISTD#3 Scan 7
Bpk Ab 9999 0.00 min.
164
66 80 90 122 132 194 207 224


File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 1075
Bpk Ab 9999 21.04 min.
332
62 91 111 117 143 170 197 222 225 250 303
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 225 250 275 301
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 225 250 275 301
File GALSSK 2,4,6-TRIBROMOPHENOL: SURR#5 Scan 8
Bpk Ab 9999 0.00 min.
332
62 91 111 117 141 172 197 222 225 250 275 301


File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 1241
Bpk Ab 9999 23.97 min.
188
66 80 100 132 160 190 218 257 270 331 356
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 100 132 160 190 220 298 311 333
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 100 132 160 190 220 298 311 333
File GALSSK D10-PHENANTHRENE: ISTD#4 Scan 9
Bpk Ab 9999 0.00 min.
188
66 80 100 132 160 190 220 298 311 333


File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 1662
Bpk Ab 9999 31.39 min.
244
54 80 122 136 160 198 212 272 333 355
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247
File GALSSK D14-TERPHENYL: SURR#6 Scan 10
Bpk Ab 9999 0.00 min.
244
54 80 122 136 160 198 212 247


File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 1778
Bpk Ab 9999 33.44 min.
240
236
78 104 120 156 180 208 281 331 355 399
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
236
78 104 120 156 180 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
236
78 104 120 156 180 212 281 315 387
File GALSSK D12-CHRYSENE: ISTD#5 Scan 11
Bpk Ab 9999 0.00 min.
240
236
78 104 120 156 180 212 281 315 387
0 80 120 160 200 240 280 320 360


File >BP181 SF-5541 88FM30S28 092988 .97L/1ML 265/266 Scan 1945
Bpk Ab 9999 36.38 min.
264
57 83 118 130 150 185 207 232 253 281 327
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 90 118 132 156 180 208 232 236 281 327
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 90 118 132 156 180 208 232 236 281 327
File GALSSK D12-PHERYLENE: ISTD#6 Scan 12
Bpk Ab 9999 0.00 min.
264
76 90 118 132 156 180 208 232 236 281 327
0 80 120 160 200 240 280 320