CHEMTECH 205 Campus Plaza 1 • Edison, NJ 08837 Phone: 732.225.4111 Fax: 732.225.4110

DATA PACKAGE FOR SEMIVOLATILE ORGANICS

PART II

PROJECT NAME: 29 NEW YORK AVENUE
PROJECT # 970096

GCI
1092 MOTOR PARKWAY
HAUPPAUGE, NY 11788
631-851-1600

CHEMTECH PROJECT #	L9851ASP
ATTENTION	MATT BOECKEL

PART I	VOLATILE ORGANICS
PART II	SEMIVOLATILE ORGANICS
PART III	METALS
PART IV	GENERAL CHEMISTRY

Since 1967

CHEMTECH

CASE NARRATIVE

GCI
Project Name: 29 New York Avenue
Project # 970096
Chemtech Project # L9851ASP

A. Number of Samples and Date of Receipt
2 Soil Samples were delivered to the laboratory intact on 08/18/00.

B. Parameters
Test requested on the Chain of Custody were Volatile Organics, Semivolatile Organics, Metals & General Chemistry. This data package contains results for Semivolatile Organics.

C. Analytical Techniques:
The analysis of Semivolatile Organics is based on Method 8270. The samples were analyzed on instrument MSBNA5 K using GC Column RTX-5 which is 30 meters, 0.25mm ID, 0.25mm df (crossbond 5% diphenyl-95% dimethyl polysiloxane).

D. QA/ QC Samples:
Surrogate recoveries met requirements. MS/MSD recoveries and RPDs met requirements. Holding Times met requirements. Internal Standard Areas met requirements except for the DW-1 INVERT. Retention Times met requirements. Calibrations met requirements. Blank analyses did not indicate the presence of contamination.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature Mildred V Reyes Name: Mildred V. Reyes

Date: 8/31/00 Title: QA/QC

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COVER PAGE

Lab Name: Chemtech Consulting Group Client: GCI, INC.
Lab Code: CHEM Project No.: L9851ASP Project Name: 29 NY AVENUE

Client Sample No.	Lab Sample ID
DW-1(INVERT)	32827
DW-1(1'BELOWINVERT)	32828

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designed, as verified by the following signature.

Signature: Mildred V. Reyes Name: MILDRED V.REYES

Date : 8/31/00 Title: QA/QC

DATA REPORTING QUALIFIERS - ORGANIC

For reporting results, the following "Results Qualifiers" are used:

VALUE - If the result is a value greater than or equal to the detection limit, report the value.

U - Indicates the compound was analyzed for, but was not detected. Report the minimum detection limit for the sample with the U, ie "10 U". This is not necessarily the instrument detection limit. The figure represents the minimum detection limit attainable for this particular sample based on any concentration or dilution that may have been required.

J - Indicates an estimated value. This flag is used:

(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed).

(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit but greater than zero. If the detection limit was 10 ug/L and a concentration of 3 ug/L was calculated, report as "3 J".

B - Indicates the analyte was found in the blank as well as the sample; report as "12 B".

E - Indicates the analyte's's concentration exceeds the calibrated range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

P - This flag is used for a Pesticide/Aroclor target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

N - This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

SEMIVOLATILE ORGANICS DATA

SEMIVOLATILE

QC DATA

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: NEW CASSEL Group: DW-1 INVERT

Level: (low/med) LOW

	SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	#	#	#	#	#	TOT OUT
01	SBLK01	88	71	73						
02	BLKSPK01	88	70	72						
03	032862MS	73	66	70						
04	032862MSD	71	63	68						
05	DW-1 1'BELOW	66	65	74						
06	DW-1 INVERT	70	68	79						
07	032862	76	73	87						
08	DW-1 INVERTR	71	73	89						
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		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

SEMIVOLATILE BLANK SPIKE RECOVERY SUMMARY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVEL Location: Group: DW-1 INVE

Instrument ID: 5970-K Analysis Date: 8/22/00 Time: 1719

Lab File ID: K2314.D

COMPOUND	SPK AMT	SPK REC	% REC	FLAG	LO LIM	HI LIM
1,4-Dichlorobenzene	3300	2326	70		28.0	104
n-Nitroso-di-n-propylamine	3300	3075	93		41.0	126
1,2,4-Trichlorobenzene	3300	2379	72		38.0	107
Acenaphthene	3300	2554	77		31.0	137
2,4-Dinitrotoluene	3300	2200	67		28.0	89
Pyrene	3300	2580	78		35.0	142

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW Y Location: NEW CASSEL Group: DW-1 INVERT

Matrix Spike - Sample No.: 032862 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,4-Dichlorobenzene	3900	0	2300	59	(28-104)
n-Nitroso-di-n-propylamine	3900	0	2900	74	(41-126)
1,2,4-Trichlorobenzene	3900	0	2500	64	(38-107)
Acenaphthene	3900	0	2700	69	(31-137)
2,4-Dinitrotoluene	3900	0	2300	59	(28-89)
Pyrene	3900	0	2800	72	(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,4-Dichlorobenzene	3900	2200	56	4	27	(28-104)
n-Nitroso-di-n-propylamine	3900	2700	69	7	38	(41-126)
1,2,4-Trichlorobenzene	3900	2400	62	4	23	(38-107)
Acenaphthene	3900	2600	67	4	19	(31-137)
2,4-Dinitrotoluene	3900	2100	54	9	47	(28-89)
Pyrene	3900	2700	69	4	36	(35-142)

\# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

Comments: ______________________

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

SBLK01

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK A Location: NEW CASSEL Group: DW-1 INV

Lab File ID: K2313.D Lab Sample ID: SBLK01

Instrument ID: 5970-K Date Extracted: 8/21/00

Matrix: (soil/water) SOIL Date Analyzed: 8/22/00

Level: (low/med) LOW Time Analyzed: 1630

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BLKSPK01	BLKSPK01	K2314.D	08/22/00
02	O32862MS	O32862MS	K2328.D	08/23/00
03	O32862MSD	O32862SD	K2329.D	08/23/00
04	DW-1 1'BELOWINVE	O32828	K2331.D	08/23/00
05	DW-1 INVERT	O32827	K2332.D	08/23/00
06	O32862	O32862	K2358.D	08/28/00
07	DW-1 INVERTRE	O32827RE	K2359.D	08/28/00
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COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVE Location: NEW CASSEL Group: DW-1 INVER

Lab File ID: K2170.D DFTPP Injection Date: 8/14/00

Instrument ID: 5970-K DFTPP Injection Time: 1009

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	53.0
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	40.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	20.4
365	Greater than 1% of mass 198	1.7
441	Present, but less than mass 443	9.8
442	Greater than 40% of mass 198	67.7
443	17.0 - 23.0% of mass 442	13.7 (20.2)2

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

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	K2171.D	8/14/00	1036
02	SSTD120	SSTD120	K2172.D	8/14/00	1125
03	SSTD080	SSTD080A	K2173.D	8/14/00	1215
04	SSTD050	SSTD050	K2174.D	8/14/00	1304
05	SSTD020	SSTD020	K2175.D	8/14/00	1354
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVE Location: NEW CASSEL Group: DW-1 INVER

Lab File ID: K2311.D DFTPP Injection Date: 8/22/00

Instrument ID: 5970-K DFTPP Injection Time: 1514

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	42.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.0
275	10.0 - 30.0% of mass 198	24.6
365	Greater than 1% of mass 198	2.2
441	Present, but less than mass 443	11.9
442	Greater than 40% of mass 198	87.3
443	17.0 - 23.0% of mass 442	16.5 (18.8)2

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

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080B	K2312.D	8/22/00	1541
02	SBLK01	SBLK01	K2313.D	8/22/00	1630
03	BLKSPK01	BLKSPK01	K2314.D	8/22/00	1719
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVE Location: NEW CASSEL Group: DW-1 INVER

Lab File ID: K2326.D DFTPP Injection Date: 8/23/00

Instrument ID: 5970-K DFTPP Injection Time: 1202

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	59.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	48.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.7
275	10.0 - 30.0% of mass 198	21.2
365	Greater than 1% of mass 198	2.1
441	Present, but less than mass 443	8.1
442	Greater than 40% of mass 198	66.3
443	17.0 - 23.0% of mass 442	12.8 (19.3)2

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

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	K2327.D	8/23/00	1229
02	O32862MS	O32862MS	K2328.D	8/23/00	1318
03	O32862MSD	O32862SD	K2329.D	8/23/00	1408
04	DW-1 1'BELOW	O32828	K2331.D	8/23/00	1547
05	DW-1 INVERT	O32827	K2332.D	8/23/00	1638
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVE Location: NEW CASSEL Group: DW-1 INVER

Lab File ID: K2356.D DFTPP Injection Date: 8/28/00

Instrument ID: 5970-K DFTPP Injection Time: 0950

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	56.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.1
275	10.0 - 30.0% of mass 198	21.3
365	Greater than 1% of mass 198	1.9
441	Present, but less than mass 443	7.0
442	Greater than 40% of mass 198	60.6
443	17.0 - 23.0% of mass 442	13.0 (21.5)2

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

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080D	K2357.D	8/28/00	1017
02	O32862	O32862	K2358.D	8/28/00	1107
03	DW-1 INVERTR	O32827RE	K2359.D	8/28/00	1157
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8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVEN Location: NEW CASSEL Group: DW-1 INVE

Lab File ID (Standard): K2312.D Date Analyzed: 8/22/00

Instrument ID: 5970-K Time Analyzed: 1541

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1778327	20.11	1768447	27.51	1934003	31.24
	UPPER LIMIT	3556654	20.61	3536894	28.01	3868006	31.74
	LOWER LIMIT	889164	19.61	884224	27.01	967002	30.74
	SAMPLE NO.						
01	SBLK01	1415842	20.06	1371661	27.45	1170225	31.15
02	BLKSPK01	1363370	20.11	1320956	27.45	1057528	31.15
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVEN Location: NEW CASSEL Group: DW-1 INVE

Lab File ID (Standard): K2327.D Date Analyzed: 8/23/00

Instrument ID: 5970-K Time Analyzed: 1229

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	321749	7.87	1277348	11.20	883952	16.00
	UPPER LIMIT	643498	8.37	2554696	11.70	1767904	16.50
	LOWER LIMIT	160875	7.37	638674	10.70	441976	15.50
	SAMPLE NO.						
01	O32862MS	251899	7.89	979190	11.18	655798	15.99
02	O32862MSD	255431	7.88	959202	11.18	631627	15.98
03	DW-1 1'BELOWINVERT	254592	7.88	917391	11.18	590942	16.01
04	DW-1 INVERT	250842	7.90	951217	11.20	592245	16.02
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVEN Location: NEW CASSEL Group: DW-1 INVE

Lab File ID (Standard): K2327.D Date Analyzed: 8/23/00

Instrument ID: 5970-K Time Analyzed: 1229

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1761914	20.09	1619518	27.45	1724882	31.16
	UPPER LIMIT	3523828	20.59	3239036	27.95	3449764	31.66
	LOWER LIMIT	880957	19.59	809759	26.95	862441	30.66
	SAMPLE NO.						
01	O32862MS	1178595	20.07	1303877	27.41	1221535	31.12
02	O32862MSD	1146208	20.07	1291232	27.41	1162317	31.12
03	DW-1 1'BELOWINVERT	1048704	20.06	998657	27.45	865839	31.16
04	DW-1 INVERT	1047239	20.07	987654	27.48	716659 *	31.20
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVEN Location: NEW CASSEL Group: DW-1 INVE

Lab File ID (Standard): K2357.D Date Analyzed: 8/28/00

Instrument ID: 5970-K Time Analyzed: 1017

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	101419	7.71	343197	11.02	195502	15.82
	UPPER LIMIT	202838	8.21	686394	11.52	391004	16.32
	LOWER LIMIT	50710	7.21	171599	10.52	97751	15.32
	SAMPLE NO.						
01	O32862	92109	7.71	282121	11.01	165785	15.81
02	DW-1 INVERTRE	93013	7.71	287754	11.00	163223	15.81
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVEN Location: NEW CASSEL Group: DW-1 INVE

Lab File ID (Standard): K2357.D Date Analyzed: 8/28/00

Instrument ID: 5970-K Time Analyzed: 1017

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	312506	19.85	225507	27.20	188296	30.87
	UPPER LIMIT	625012	20.35	451014	27.70	376592	31.37
	LOWER LIMIT	156253	19.35	112754	26.70	94148	30.37
	SAMPLE NO.						
01	O32862	266008	19.83	188551	27.18	148458	30.86
02	DW-1 INVERTRE	252998	19.83	169615	27.19	155791	30.88
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12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

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

SEMIVOLATILE

SAMPLE DATA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
DW-1 INVERT

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32827

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2332.D

Level: (low/med) LOW Date Received: 8/18/00

% Moisture: 5 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
111-44-4	bis(2-Chloroethyl)ether	350	U
95-50-1	1,2-Dichlorobenzene	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
621-64-7	n-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	350	U
86-30-6	n-Nitrosodiphenylamine	350	U
122-66-7	Azobenzene	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-1 INVERT

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32827

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2332.D

Level: (low/med) LOW Date Received: 8/18/00

% Moisture: 5 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	53	J
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	Bis(2-Ethylhexyl)phthalate	180	J
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

```
                         Quantitation Report

  Data File : H:\HPCHEM\1\DATA\BK082300\K2332.D               Vial: 7
  Acq On    : 23 Aug 2000   4:38 pm                       Operator: SJT
  Sample    : L9851ASP-32827-QB264                        Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:26 2000               Quant Results File: BK0815C.RES

  Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update   : Thu Aug 24 09:52:43 2000
  Response via  : Initial Calibration
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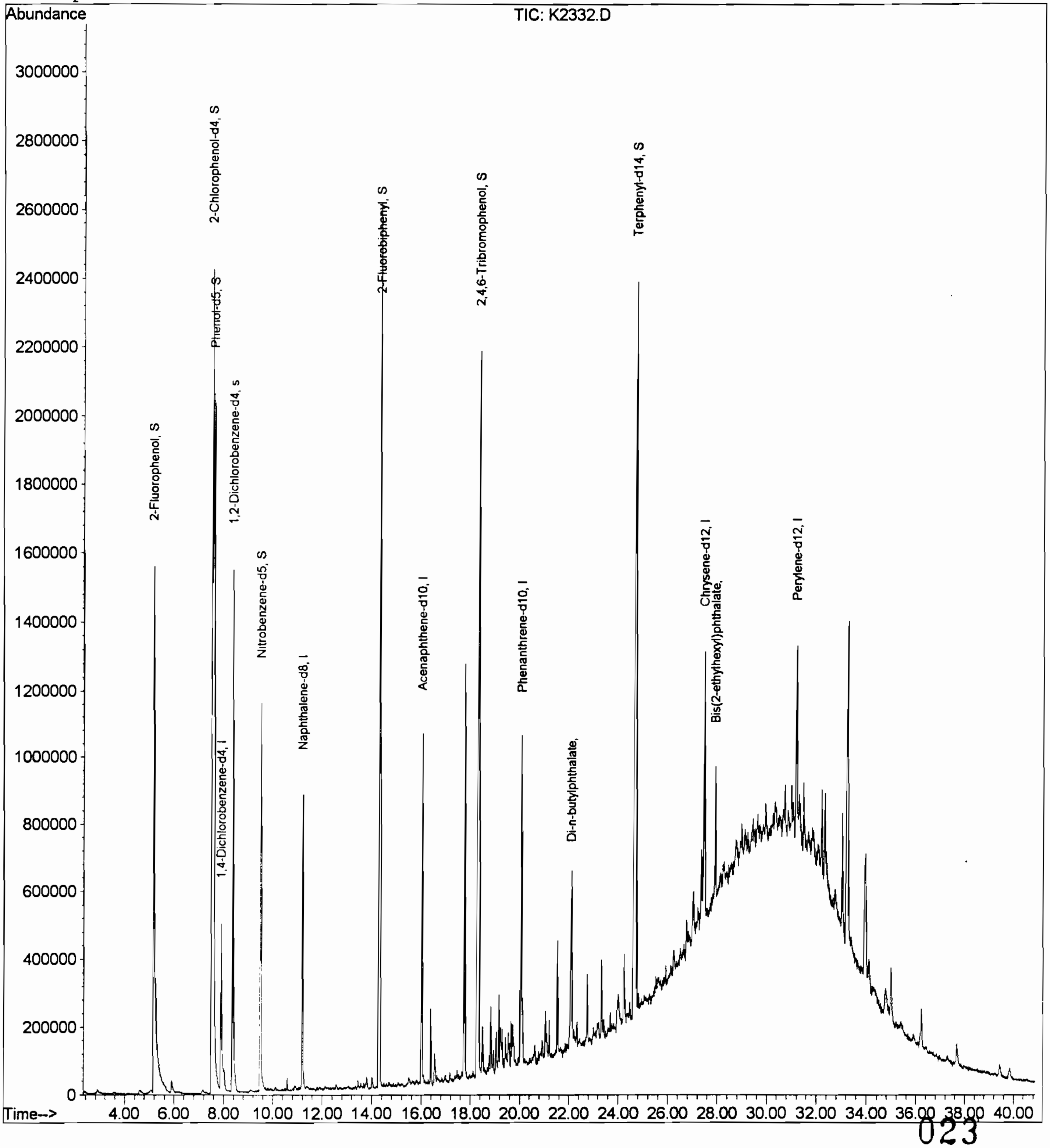


023

```
                           Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2332.D           Vial: 7
  Acq On    : 23 Aug 2000   4:38 pm                   Operator: SJT
  Sample    : L9851ASP-32827-QB264                    Inst    : BNARTE
  Misc      :                                         Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:26 2000               Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

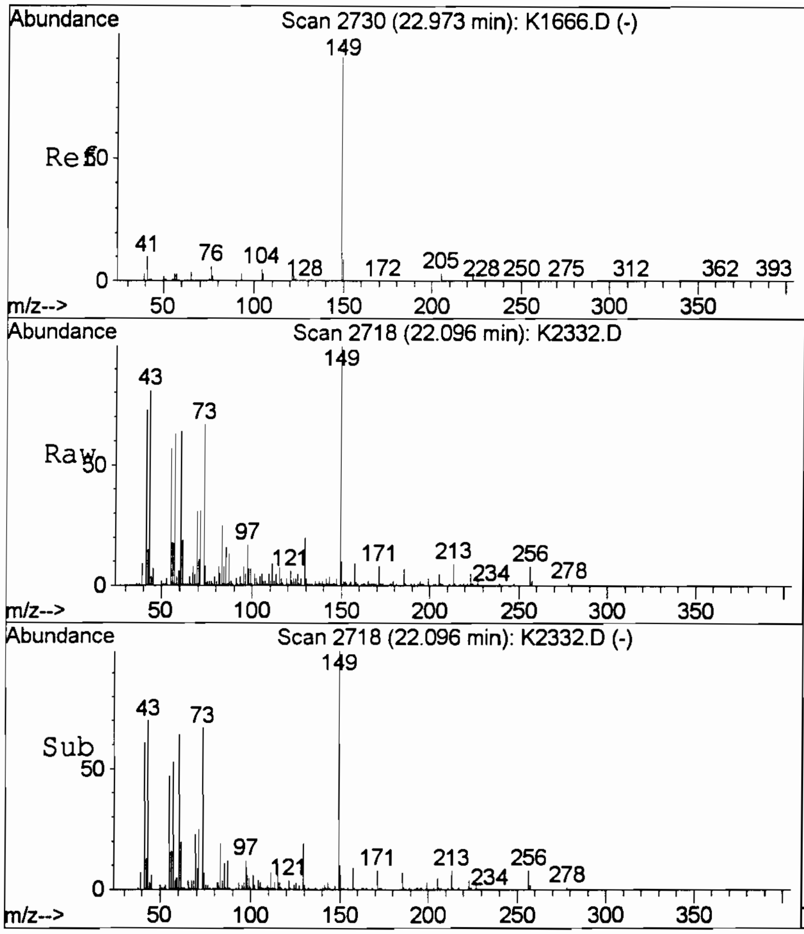

Internal Standards                   R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4          7.90  152   250842    40.00 ng      0.03
 22) Naphthalene-d8                 11.20  136   951217    40.00 ng     -0.02
 39) Acenaphthene-d10               16.02  164   592245    40.00 ng     -0.03
 62) Phenanthrene-d10               20.07  188  1047239    40.00 ng     -0.06
 74) Chrysene-d12                   27.48  240   987654    40.00 ng     -0.11
 85) Perylene-d12                   31.20  264   716659    40.00 ng     -0.11

System Monitoring Compounds
  4) 2-Fluorophenol                  5.18  112  1738543   212.85 ng      0.02
  6) Phenol-d5                       7.60   99  2633734   236.36 ng      0.10
 11) 2-Chlorophenol-d4               7.52  132  2022926   224.99 ng      0.04
 14) 1,2-Dichlorobenzene-d4          8.37  152   681763   124.26 ng      0.04
 24) Nitrobenzene-d5                 9.51   82  1187873   140.54 ng      0.03
 41) 2,4,6-Tribromophenol           18.34  330  1193155   222.74 ng     -0.02
 44) 2-Fluorobiphenyl               14.32  172  2732239   136.84 ng      0.00
 77) Terphenyl-d14                  24.73  244  3401262   157.67 ng      0.00

Target Compounds                                                    Qvalue
 72) Di-n-butylphthalate            22.10  149   103518     3.01 ng  #    96
 82) Bis(2-ethylhexyl)phthalate     27.92  149   204855    10.01 ng  #    96
```

8/24/00
RR↓IS

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



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#72
Di-n-butylphthalate
Concen: 3.01 ng
RT: 22.10 min   Scan# 2718
Delta R.T.    -0.07 min
Lab File:    K2332.D
Acq: 23 Aug 2000    4:38 pm

Tgt Ion:149 Resp:  103518
Ion  Ratio  Lower  Upper
149  100
150   10.1    6.6    9.8#
104    4.3    3.1    4.7
```
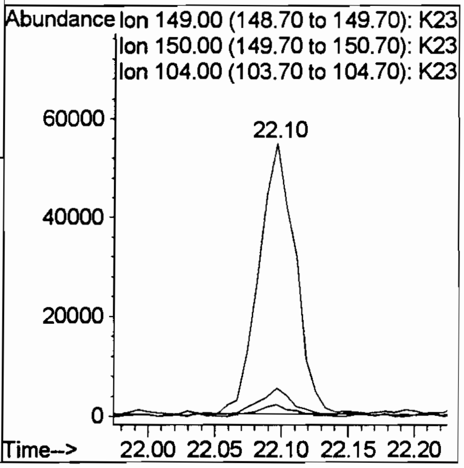
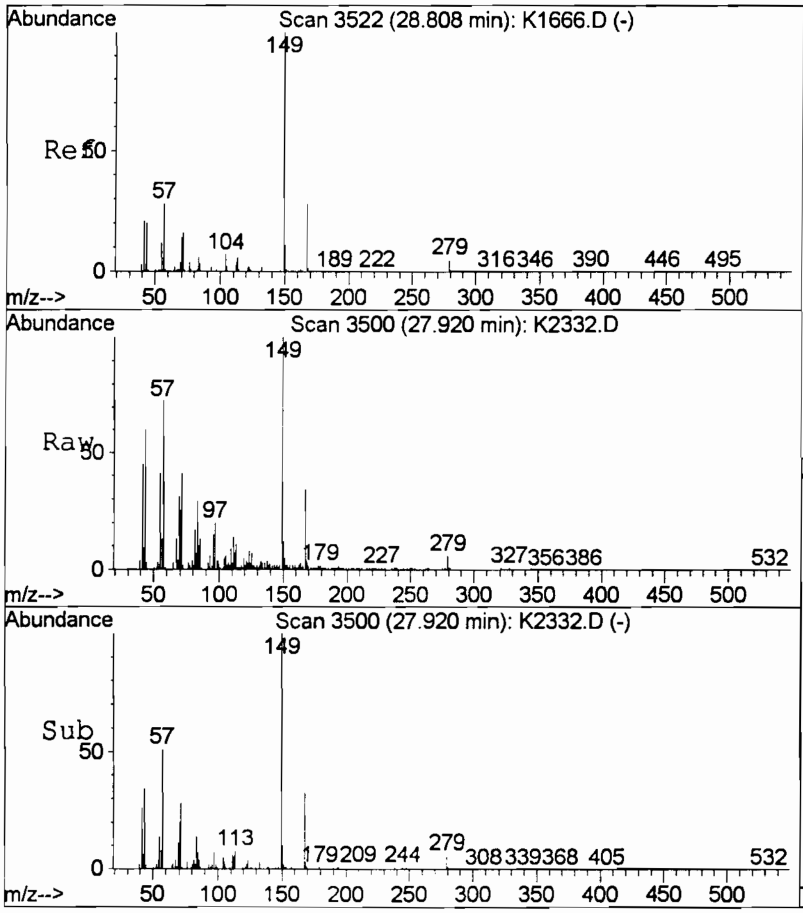
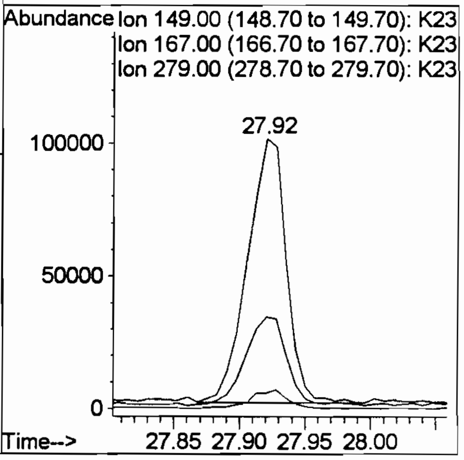





```
#82
Bis(2-ethylhexyl)phthalate
Concen: 10.01 ng
RT: 27.92 min   Scan# 3500
Delta R.T.    -0.05 min
Lab File:    K2332.D
Acq: 23 Aug 2000    4:38 pm

Tgt Ion:149 Resp:  204855
Ion  Ratio  Lower  Upper
149  100
167   33.9   29.1   43.7
279    6.0    6.2    9.2#
```



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-1 INVERTRE

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32827RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2359.D

Level: (low/med) LOW Date Received: 8/18/00

% Moisture: 5 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
95-50-1	1,2-Dichlorobenzene	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
621-64-7	n-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	350	U
86-30-6	n-Nitrosodiphenylamine	350	U
122-66-7	Azobenzene	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-1 INVERTRE

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32827RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2359.D

Level: (low/med) LOW Date Received: 8/18/00

% Moisture: 5 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	Bis(2-Ethylhexyl)phthalate	190	J
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2359.D                Vial: 4
Acq On    : 28 Aug 2000  11:57                           Operator: SJT
Sample    : L9851ASP-32827-QB264                         Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
Quant Time: Aug 28 15:42 2000                  Quant Results File: BK0815C.RES

Method        : D:\HPCHEM\1\METHODS\BK0815C.M
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Aug 28 14:39:38 2000
Response via  : Multiple Level Calibration
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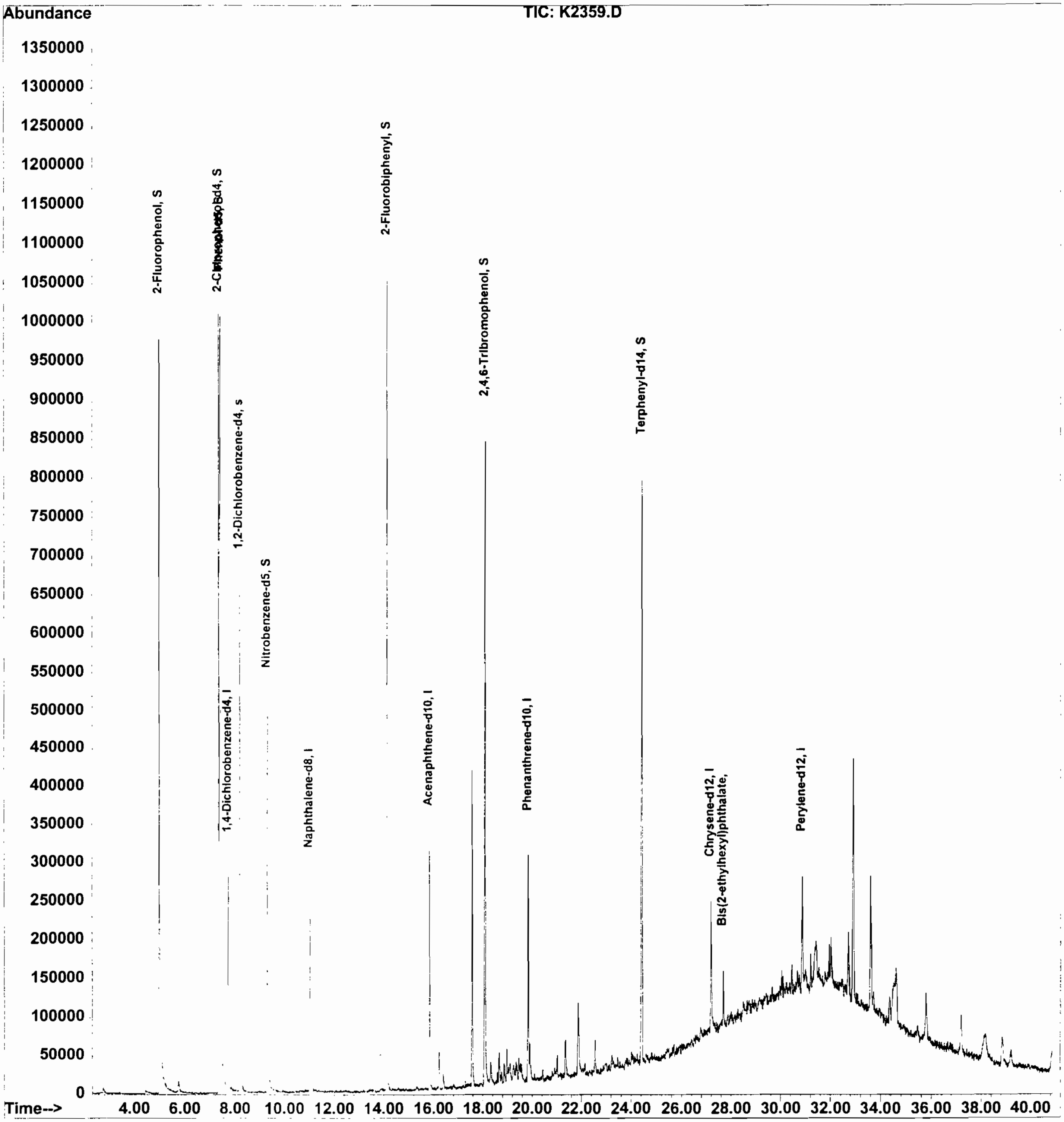

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                         Quantitation Report     (QT Reviewed)

  Data File : D:\HPCHEM\1\DATA\BK082800\K2359.D             Vial: 4
  Acq On    : 28 Aug 2000  11:57                        Operator: SJT
  Sample    : L9851ASP-32827-QB264                      Inst    : BNARTE
  Misc      :                                           Multiplr: 1.00
  Quant Time: Aug 28 15:42 2000                 Quant Results File: BK0815C.RES

  Quant Method : D:\HPCHEM\1\METHODS\BK0815C.M
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Aug 28 14:39:38 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
--------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4       7.71  152     93013    40.00 ng       0.00
 22) Naphthalene-d8              11.00  136    287754    40.00 ng      -0.05
 39) Acenaphthene-d10            15.81  164    163223    40.00 ng      -0.08
 62) Phenanthrene-d10            19.83  188    252998    40.00 ng      -0.13
 74) Chrysene-d12                27.19  240    169615    40.00 ng      -0.24
 85) Perylene-d12                30.88  264    155791    40.00 ng      -0.27

System Monitoring Compounds
  4) 2-Fluorophenol               4.98  112    635384   209.79 ng      -0.02
  6) Phenol-d5                    7.39   99    870335   210.64 ng       0.04
 11) 2-Chlorophenol-d4            7.32  132    656344   196.87 ng       0.00
 14) 1,2-Dichlorobenzene-d4       8.17  152    230437   113.27 ng       0.00
 24) Nitrobenzene-d5              9.29   82    361206   141.27 ng      -0.03
 41) 2,4,6-Tribromophenol        18.08  330    288130   195.17 ng      -0.12
 44) 2-Fluorobiphenyl            14.11  172    801607   145.68 ng      -0.05
 77) Terphenyl-d14               24.43  244    659826   178.11 ng      -0.14

Target Compounds                                                  Qvalue
 82) Bis(2-ethylhexyl)phthalate  27.69  149     37262    10.60 ng        92
```

08/28/00

OK

Compound# 72 present at less than detection limit

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

INTERIM REMEDIAL MEASURE (IRM) REPORT

ADDENDUM END-POINT ANALYTICAL DATA PACKAGES

10/00

1 OF 2

TISHCON CORPORATION
NEW CASSEL INDUSTRIAL AREA
29 NEW YORK AVENUE
NEW CASSEL, NEW YORK 11590

NYS DEC IHWDS I.D. No. 1-30-043V

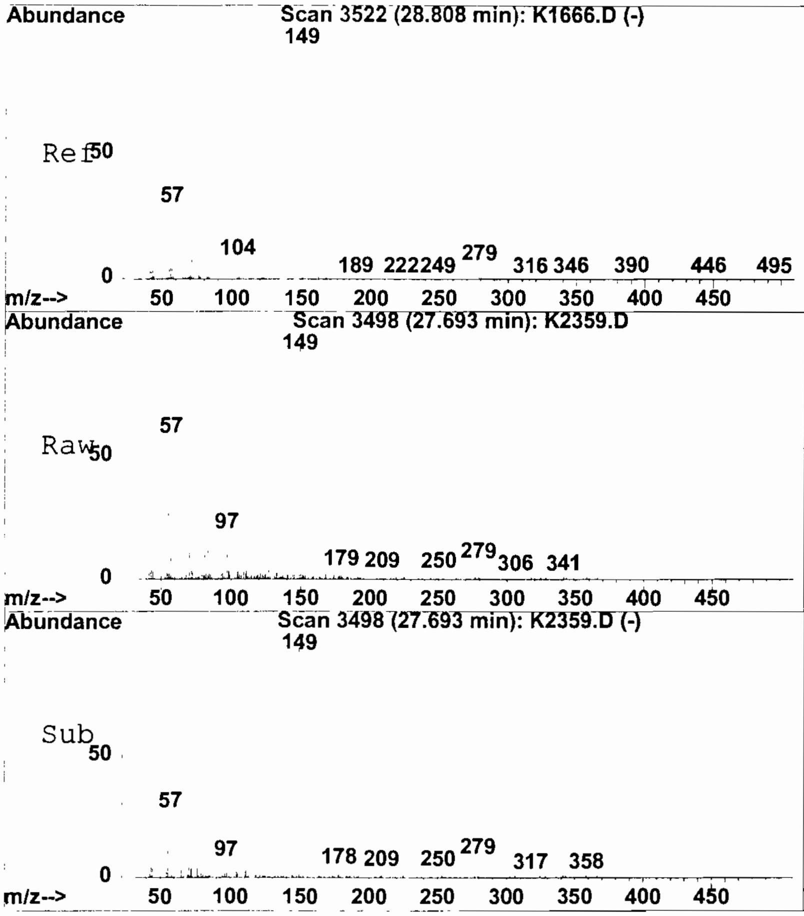
Prepared For:

New York State Department of Environmental Conservation
Bureau of Eastern Remedial Action
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

October 2000

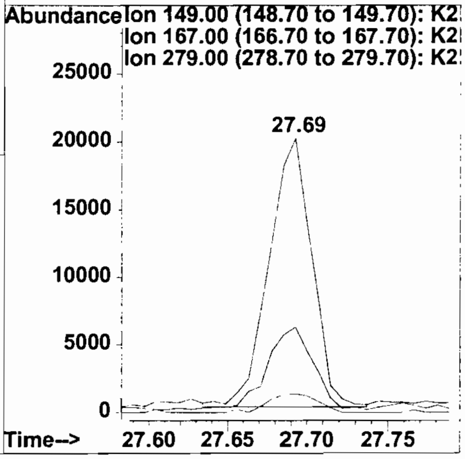
Prepared by:

General Consolidated Industries, Inc.
1092 Motor Parkway
Hauppauge, New York 11788
(631) 851-1600



#82
Bis(2-ethylhexyl)phthalate
Concen: 10.60 ng
RT: 27.69 min Scan# 3498
Delta R.T. -0.12 min
Lab File: K2359.D
Acq: 28 Aug 2000 11:57

Tgt Ion:149	Resp:		37262
Ion	Ratio	Lower	Upper
149	100		
167	31.0	29.1	43.7
279	6.5	6.2	9.2
0	0.0	0.0	0.0



030

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
DW-1 1'BELOWINVER

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32828

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2331.D

Level: (low/med) LOW Date Received: 8/18/00

% Moisture: 5 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	350	U
95-50-1	1,2-Dichlorobenzene	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
621-64-7	n-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	350	U
86-30-6	n-Nitrosodiphenylamine	350	U
122-66-7	Azobenzene	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-1 1'BELOWINVER

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32828

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2331.D

Level: (low/med) LOW Date Received: 8/18/00

% Moisture: 5 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

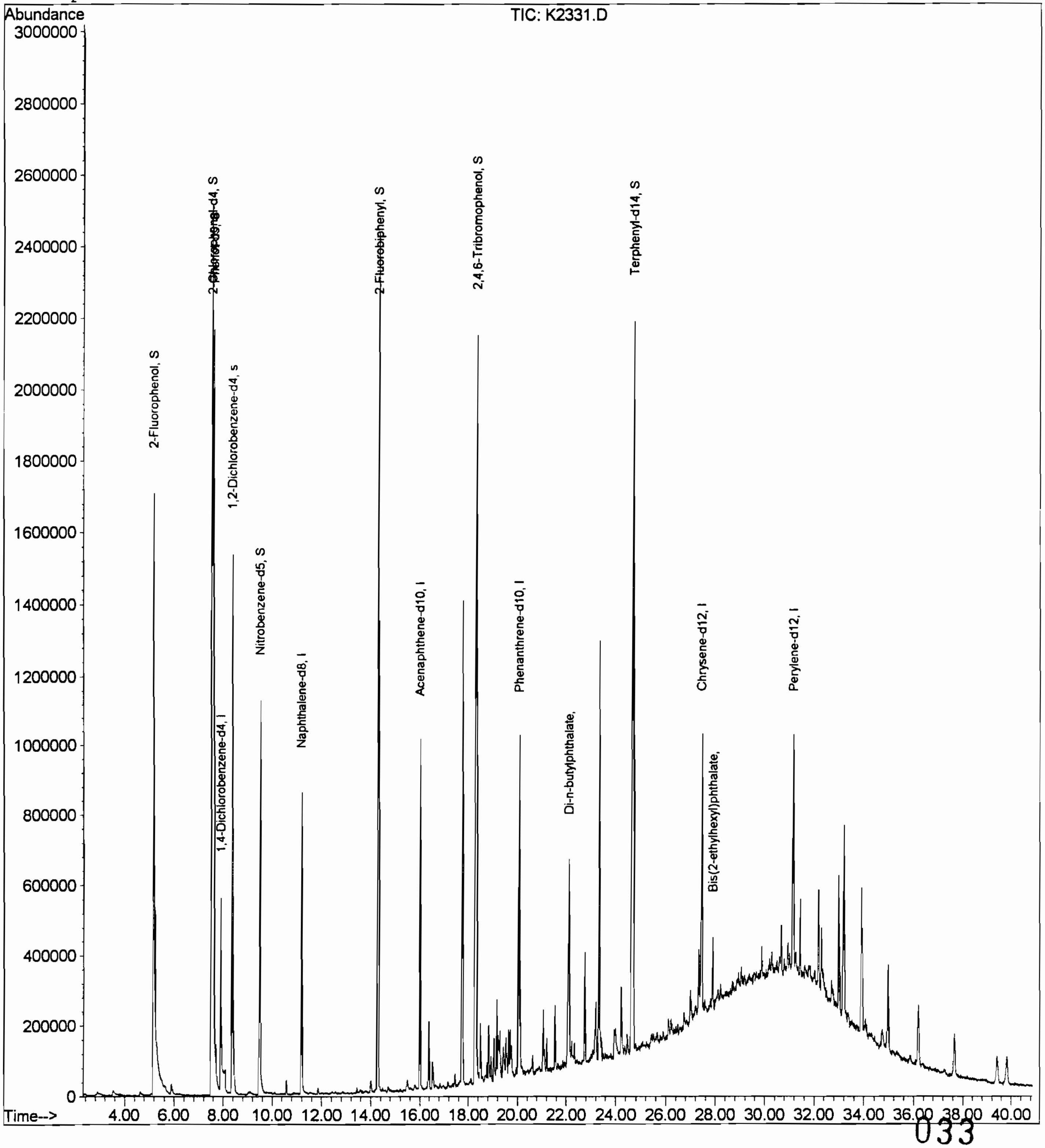
CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	Bis(2-Ethylhexyl)phthalate	85	J
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082300\K2331.D
Acq On : 23 Aug 2000 3:47 pm
Sample : L9851ASP-32828-QB264
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 24 10:21 2000

Vial: 6
Operator: SJT
Inst : BNARTE
Multiplr: 1.00
Quant Results File: BK0815C.RES

Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 24 09:52:43 2000
Response via : Initial Calibration



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                          Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2331.D              Vial: 6
  Acq On    : 23 Aug 2000   3:47 pm                      Operator: SJT
  Sample    : L9851ASP-32828-QB264                       Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:21 2000          Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


Internal Standards                   R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------

  1) 1,4-Dichlorobenzene-d4          7.88  152    254592    40.00 ng     0.01
 22) Naphthalene-d8                 11.18  136    917391    40.00 ng    -0.03
 39) Acenaphthene-d10               16.01  164    590942    40.00 ng    -0.04
 62) Phenanthrene-d10               20.06  188   1048704    40.00 ng    -0.07
 74) Chrysene-d12                   27.45  240    998657    40.00 ng    -0.14
 85) Perylene-d12                   31.16  264    865839    40.00 ng    -0.15

System Monitoring Compounds
  4) 2-Fluorophenol                  5.18  112   1689383   203.79 ng     0.02
  6) Phenol-d5                       7.59   99   2628955   232.46 ng     0.09
 11) 2-Chlorophenol-d4               7.51  132   1772573   194.24 ng     0.03
 14) 1,2-Dichlorobenzene-d4          8.36  152    654819   117.59 ng     0.02
 24) Nitrobenzene-d5                 9.49   82   1079354   132.41 ng     0.02
 41) 2,4,6-Tribromophenol           18.33  330   1153832   215.87 ng    -0.03
 44) 2-Fluorobiphenyl               14.31  172   2587570   129.88 ng    -0.01
 77) Terphenyl-d14                  24.71  244   3207290   147.04 ng    -0.03

Target Compounds                                                       Qvalue
 72) Di-n-butylphthalate            22.09  149    210696     6.11 ng       98
 82) Bis(2-ethylhexyl)phthalate     27.90  149    100110     4.84 ng  #    95
```

8/23/00

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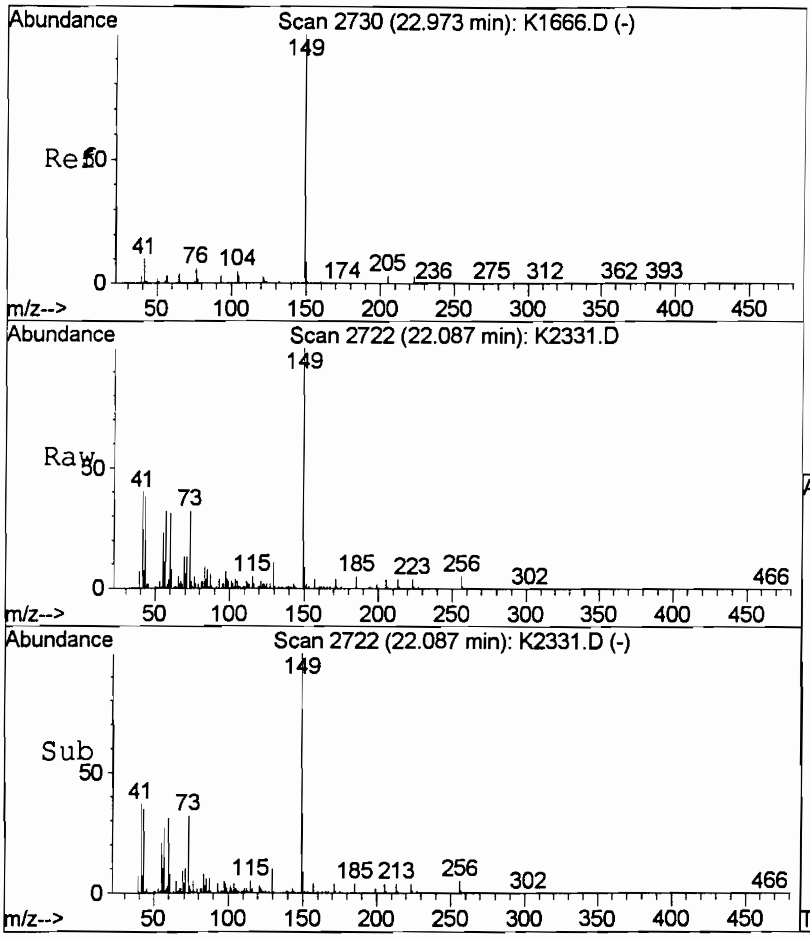
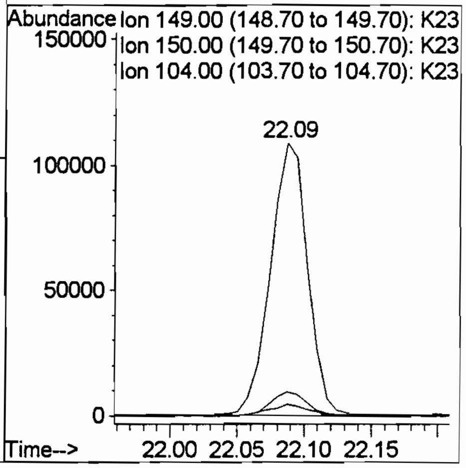
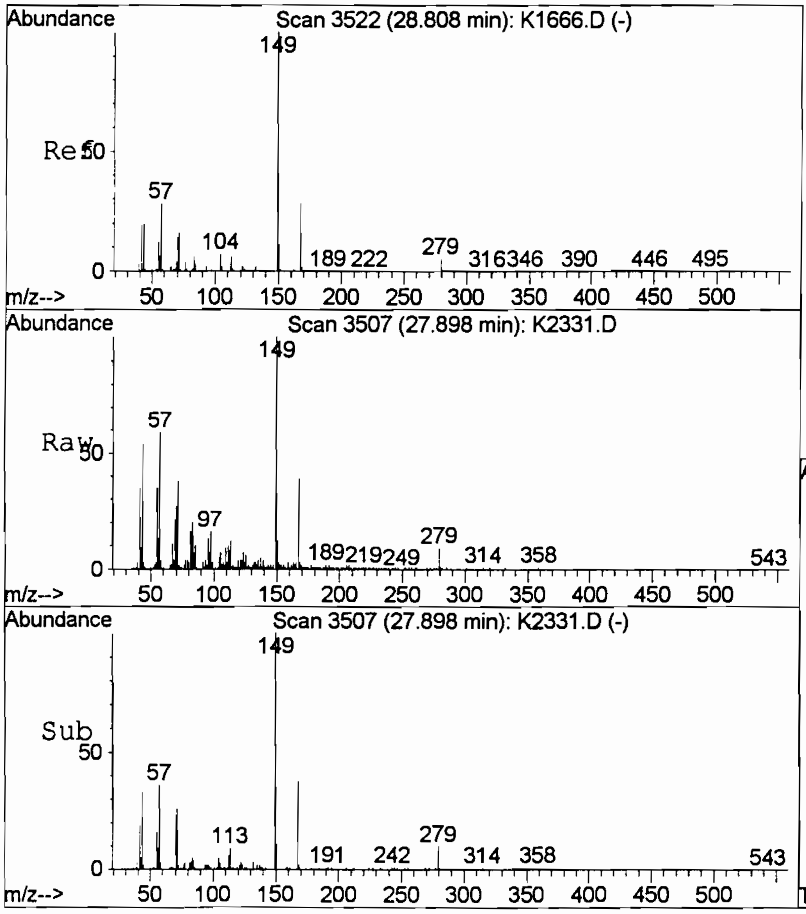
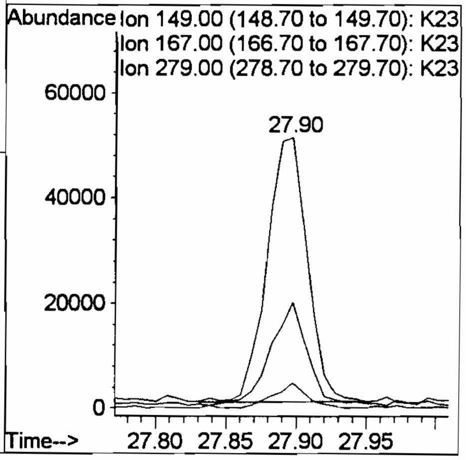


```
#72
Di-n-butylphthalate
Concen: 6.11 ng
RT: 22.09 min   Scan# 2722
Delta R.T.    -0.08 min
Lab File:    K2331.D
Acq: 23 Aug 2000    3:47 pm

Tgt Ion:149 Resp:   210696
Ion   Ratio  Lower   Upper
149   100
150     8.9    6.6     9.8
104     4.2    3.1     4.7
```





```
#82
Bis(2-ethylhexyl)phthalate
Concen: 4.84 ng
RT: 27.90 min   Scan# 3507
Delta R.T.    -0.07 min
Lab File:    K2331.D
Acq: 23 Aug 2000    3:47 pm

Tgt Ion:149 Resp:   100110
Ion   Ratio  Lower   Upper
149   100
167    39.2   29.1    43.7
279     9.5    6.2     9.2#
```



SEMIVOLATILE

CALIBRATION DATA

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: CASSEL Group: DW-1 INVE

Instrument ID: 5970-K Calibration Date(s): 8/14/00 8/14/00

Calibration Times: 1036 1354

Lab File ID: RRF20 = K2175.D RRF50 = K2174.D
RRF80 = K2173.D RRF120 = K2172.D RRF160 = K2171.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
bis(2-Chloroethyl)ether	1.693	1.570	1.533	1.553	1.627	1.595	4.1
1,2-Dichlorobenzene	1.579	1.534	1.548	1.468	1.506	1.527	2.8
1,3-Dichlorobenzene	1.515	1.502	1.572	1.553	1.570	1.542	2.1
1,4-Dichlorobenzene	1.752	1.663	1.693	1.648	1.697	1.691	2.4
2,2'-oxybis(1-Chloropropane)	2.777	2.752	2.917	2.878	2.929	2.851	2.9
n-Nitroso-di-n-propylamine *	1.261	1.219	1.116	0.958	0.782	1.067	18.5 *
Hexachloroethane	0.627	0.620	0.635	0.605	0.628	0.623	1.8
Nitrobenzene	0.439	0.424	0.412	0.397	0.373	0.409	6.2
Isophorone	0.868	0.861	0.858	0.860	0.870	0.863	0.6
bis(2-Chloroethoxy)methane	0.510	0.503	0.481	0.479	0.485	0.491	2.8
1,2,4-Trichlorobenzene	0.399	0.387	0.372	0.361	0.360	0.376	4.5
Naphthalene	1.123	1.068	1.056	1.027	1.024	1.060	3.8
4-Chloroaniline	0.445	0.429	0.397	0.348	0.292	0.382	16.3
Hexachlorobutadiene	0.256	0.237	0.231	0.206	0.215	0.229	8.5
2-Methylnaphthalene	1.162	1.099	1.038	0.974	0.953	1.045	8.3
Hexachlorocyclopentadiene *	0.115	0.178	0.194	0.207	0.234	0.186	24.0 *
2-Chloronaphthalene	1.168	1.089	1.074	1.029	1.027	1.077	5.3
2-Nitroaniline	0.410	0.416	0.449	0.444	0.432	0.430	4.0
Dimethylphthalate	1.530	1.447	1.458	1.396	1.410	1.448	3.6
Acenaphthylene	1.607	1.517	1.525	1.480	1.485	1.523	3.3
2,6-Dinitrotoluene	0.368	0.364	0.370	0.356	0.359	0.363	1.6
3-Nitroaniline	0.360	0.369	0.392	0.366	0.359	0.369	3.6
Acenaphthene	1.077	1.022	1.021	0.994	1.000	1.023	3.2
Dibenzofuran	1.819	1.712	1.696	1.585	1.586	1.680	5.8
2,4-Dinitrotoluene	0.581	0.567	0.588	0.567	0.572	0.575	1.6
Diethylphthalate	1.557	1.420	1.462	1.384	1.393	1.443	4.9
4-Chlorophenyl-phenylether	0.799	0.748	0.741	0.705	0.714	0.741	5.0
Fluorene	1.496	1.374	1.406	1.342	1.325	1.389	4.9
4-Nitroaniline	0.387	0.329	0.337	0.341	0.351	0.349	6.5
n-Nitrosodiphenylamine	0.492	0.457	0.433	0.423	0.407	0.442	7.5
Azobenzene	1.678	1.510	1.550	1.533	1.504	1.555	4.6
4-Bromophenyl-phenylether	0.311	0.299	0.295	0.283	0.280	0.294	4.4
Hexachlorobenzene	0.318	0.290	0.284	0.267	0.265	0.285	7.5
Phenanthrene	1.052	1.005	0.995	0.968	0.989	1.002	3.1
Anthracene	1.062	1.024	1.001	0.979	0.967	1.006	3.8
Di-n-butylphthalate	1.428	1.329	1.311	1.244	1.263	1.315	5.5
Fluoranthene	1.383	1.265	1.242	1.147	1.193	1.246	7.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

037

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH　Contract: GCI, INC.

Project No.: L9851ASP　Site: 29 NEW YORK AVENUE　Location: CASSEL　Group: DW-1 INVE

Instrument ID: 5970-K　Calibration Date(s): 8/14/00　8/14/00

Calibration Times: 1036　1354

Lab File ID:　RRF20 = K2175.D　RRF50 = K2174.D

RRF80 = K2173.D　RRF120 = K2172.D　RRF160 = K2171.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{\text{RRF}}$	% RSD
Pyrene	1.212	1.167	1.170	1.144	1.211	1.181	2.5
Butylbenzylphthalate	0.617	0.595	0.596	0.600	0.617	0.605	1.8
3,3'-Dichlorobenzidine	0.336	0.340	0.361	0.316	0.290	0.329	8.2
Benzo(a)anthracene	1.225	1.179	1.183	1.173	1.186	1.189	1.7
Chrysene	0.982	0.945	0.938	0.926	0.912	0.941	2.8
Bis(2-Ethylhexyl)phthalate	0.843	0.816	0.824	0.830	0.830	0.829	1.2
Di-n-octyl phthalate	1.495	1.491	1.498	1.503	1.484	1.494	0.5
Benzo(b)fluoranthene	1.145	1.344	1.653	1.588	1.633	1.472	15.0
Benzo(k)fluoranthene	1.177	0.936	0.646	0.551	0.705	0.803	31.5
Benzo(a)pyrene	1.018	1.012	1.009	0.994	1.006	1.008	0.9
Indeno(1,2,3-cd)pyrene	0.969	0.970	0.943	0.918	0.872	0.934	4.4
Dibenzo(a,h)anthracene	0.793	0.800	0.799	0.765	0.769	0.785	2.2
Benzo(g,h,i)perylene	0.742	0.740	0.738	0.707	0.710	0.727	2.4
Nitrobenzene-d5	0.366	0.363	0.360	0.349	0.340	0.355	3.0
2-Fluorobiphenyl	1.493	1.372	1.338	1.286	1.254	1.349	6.8
Terphenyl-d14	0.907	0.873	0.868	0.841	0.879	0.874	2.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

```
                          Response Factor Report  BNARTE

  Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update     : Mon Jul 17 17:42:02 2000
  Response via    : Initial Calibration

  Calibration Files
  80      =K2173.D      160     =K2171.D      120     =K2172.D
  50      =K2174.D      20      =K2175.D

        Compound                   80    160    120    50     20     Avg     %RSD
-----------------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD----------------------
 2)     Pyridine             1.178 1.285 1.217 1.156 0.937 1.154   11.35
 3)     n-Nitrosodimethylamin 0.834 0.852 0.840 0.835 0.821 0.837    1.36
 4) S   2-Fluorophenol       1.297 1.386 1.328 1.269 1.232 1.302    4.52
 5)     Aniline              1.942 2.013 2.019 1.845 1.722 1.908    6.58
 6) S   Phenol-d5            1.818 1.780 1.775 1.765 1.747 1.777    1.46
 7)     2-Chlorophenol       1.392 1.336 1.344 1.389 1.418 1.376    2.54
 8)     Benzaldehyde         0.617 0.296 0.327 0.334 0.264 0.368   38.69
 9) C   Phenol               1.926 1.871 1.842 1.773 1.764 1.835    3.69
10)     bis(2-Chloroethyl)eth 1.533 1.627 1.553 1.570 1.693 1.595    4.07
11) S   2-Chlorophenol-d4    1.440 1.418 1.407 1.413 1.491 1.434    2.40
12)     1,3-Dichlorobenzene  1.572 1.570 1.553 1.502 1.515 1.542    2.09
13) C   1,4-Dichlorobenzene  1.693 1.697 1.648 1.663 1.752 1.691    2.35
14) s   1,2-Dichlorobenzene-d 0.898 0.871 0.835 0.881 0.890 0.875    2.78
15)     1,2-Dichlorobenzene  1.548 1.506 1.468 1.534 1.579 1.527    2.76
16)     Benzyl Alcohol       1.010 1.031 0.987 0.932 0.869 0.966    6.78
17)     2,2'-oxybis(1-Chlorop 2.917 2.929 2.878 2.752 2.777 2.851    2.86
18)     2-Methylphenol       1.584 1.587 1.539 1.565 1.480 1.551    2.83
19)     Hexachloroethane     0.635 0.627 0.605 0.620 0.627 0.623    1.81
20) P   n-Nitroso-di-n-propyl 1.116 0.782 0.958 1.219 1.261 1.067   18.51
21)     3+4-Methylphenols    1.604 1.566 1.550 1.579 1.501 1.560    2.46

22) I   Naphthalene-d8       ----------------ISTD----------------------
23)     Acetophenone         0.499 0.495 0.495 0.505 0.514 0.502    1.65
24) S   Nitrobenzene-d5      0.360 0.340 0.349 0.363 0.366 0.355    2.99
25)     Nitrobenzene         0.412 0.373 0.396 0.424 0.439 0.409    6.18
26)     Isophorone           0.858 0.870 0.860 0.861 0.868 0.863    0.61
27) C   2-Nitrophenol        0.219 0.228 0.223 0.231 0.222 0.224    2.13
28)     2,4-Dimethylphenol   0.291 0.327 0.316 0.317 0.310 0.312    4.26
29)     bis(2-Chloroethoxy)me 0.481 0.485 0.479 0.503 0.510 0.491    2.85
30) C   2,4-Dichlorophenol   0.353 0.345 0.343 0.369 0.366 0.355    3.39
31)     1,2,4-Trichlorobenzen 0.372 0.360 0.360 0.387 0.398 0.376    4.49
32)     Naphthalene          1.056 1.024 1.027 1.068 1.123 1.060    3.79
33)     Benzoic acid         0.218 0.235 0.219 0.215 0.207 0.219    4.68
34)     4-Chloroaniline      0.397 0.292 0.348 0.429 0.445 0.382   16.30
35) C   Hexachlorobutadiene  0.231 0.215 0.206 0.237 0.256 0.229    8.55
36)     Caprolactam          0.009 0.008 0.009 0.010 0.009 0.009    6.58
37) C   4-Chloro-3-methylphen 0.386 0.361 0.366 0.386 0.394 0.379    3.78
38)     2-Methylnaphthalene  1.038 0.953 0.974 1.099 1.162 1.045    8.30

39) I   Acenaphthene-d10     ----------------ISTD----------------------
40) P   Hexachlorocyclopentad 0.194 0.234 0.207 0.177 0.115 0.186   24.03
41) S   2,4,6-Tribromophenol 0.374 0.341 0.334 0.373 0.386 0.362    6.29

(#) = Out of Range
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                    Response Factor Report  BNARTE

   Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
   Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
   Last Update    : Mon Jul 17 17:42:02 2000
   Response via : Initial Calibration

   Calibration Files
   80     =K2173.D       160    =K2171.D       120    =K2172.D
   50     =K2174.D       20     =K2175.D

        Compound                    80     160    120    50     20     Avg     %RSD
 --------------------------------------------------------------------------------------
42) C   2,4,6-Trichlorophenol 0.431 0.415 0.402 0.428 0.431 0.421    3.05
43)     2,4,5-Trichlorophenol 0.437 0.402 0.406 0.458 0.384 0.417    7.05
44) S   2-Fluorobiphenyl      1.338 1.254 1.286 1.372 1.492 1.348    6.85
45)     1,1'-Biphenyl         1.026 0.946 0.962 1.055 1.141 1.026    7.62
46)     2-Chloronaphthalene   1.074 1.027 1.029 1.089 1.168 1.077    5.34
47)     2-Nitroaniline        0.449 0.432 0.444 0.416 0.410 0.430    3.97
48)     Acenaphthylene        1.525 1.485 1.480 1.517 1.607 1.523    3.34
49)     Dimethylphthalate     1.458 1.410 1.396 1.447 1.530 1.448    3.63
50)     2,6-Dinitrotoluene    0.370 0.359 0.356 0.364 0.367 0.363    1.60
51) C   Acenaphthene          1.021 1.000 0.994 1.022 1.077 1.023    3.23
52)     3-Nitroaniline        0.392 0.359 0.366 0.369 0.360 0.369    3.61
53) P   2,4-Dinitrophenol     0.268 0.262 0.253 0.222 0.006 0.202   54.91
54)     Dibenzofuran          1.696 1.586 1.585 1.712 1.819 1.680    5.82
55) P   4-Nitrophenol         0.330 0.352 0.333 0.302 0.294 0.322    7.43
56)     2,4-Dinitrotoluene    0.588 0.572 0.567 0.566 0.581 0.575    1.62
57)     Fluorene              1.406 1.325 1.342 1.374 1.496 1.388    4.87
58)     Diethylphthalate      1.462 1.393 1.384 1.419 1.557 1.443    4.89
59)     4-Chlorophenyl-phenyl 0.741 0.714 0.705 0.748 0.799 0.741    4.97
60)     4-Nitroaniline        0.337 0.351 0.341 0.329 0.387 0.349    6.53
61)     Azobenzene            1.549 1.504 1.533 1.510 1.678 1.555    4.57

62) I   Phenanthrene-d10      ----------------ISTD---------------------
63)     4,6-Dinitro-2-methylp 0.162 0.159 0.157 0.158 0.135 0.154    7.03
64) C   n-Nitrosodiphenylamin 0.433 0.407 0.423 0.457 0.492 0.442    7.50
65)     4-Bromophenyl-phenyle 0.295 0.279 0.283 0.299 0.311 0.294    4.37
66)     Hexachlorobenzene     0.284 0.265 0.267 0.290 0.318 0.285    7.48
67)     Atrazine              0.189 0.199 0.195 0.207 0.226 0.203    6.99
68) C   Pentachlorophenol     0.205 0.203 0.198 0.193 0.197 0.199    2.45
69)     Phenanthrene          0.995 0.989 0.968 1.005 1.052 1.002    3.11
70)     Anthracene            1.001 0.967 0.979 1.024 1.062 1.006    3.78
71)     Carbazole             0.887 0.886 0.878 0.875 0.945 0.894    3.25
72)     Di-n-butylphthalate   1.311 1.263 1.244 1.329 1.428 1.315    5.48
73) C   Fluoranthene          1.242 1.192 1.147 1.265 1.383 1.246    7.14

74) I   Chrysene-d12          ----------------ISTD---------------------
75)     Benzidine             0.118 0.107 0.123 0.117 0.045 0.102   31.62
76)     Pyrene                1.170 1.211 1.144 1.167 1.212 1.181    2.52
77) S   Terphenyl-d14         0.868 0.879 0.841 0.873 0.907 0.874    2.70
78)     Butylbenzylphthalate  0.596 0.617 0.600 0.595 0.617 0.605    1.82
79)     Benzo(a)anthracene    1.183 1.186 1.173 1.179 1.225 1.189    1.73
80)     3,3'-Dichlorobenzidin 0.361 0.290 0.316 0.340 0.336 0.329    8.17
81)     Chrysene              0.938 0.912 0.926 0.945 0.982 0.941    2.80
82)     Bis(2-ethylhexyl)phth 0.824 0.830 0.830 0.816 0.843 0.829    1.19
83) C   Di-n-octyl phthalate  1.498 1.484 1.503 1.491 1.495 1.494    0.46

(#) = Out of Range
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                          Response Factor Report  BNARTE

  Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update    : Mon Jul 17 17:42:02 2000
  Response via   : Initial Calibration

  Calibration Files
  80     =K2173.D      160    =K2171.D      120    =K2172.D
  50     =K2174.D      20     =K2175.D

       Compound                80     160    120     50     20    Avg    %RSD
----------------------------------------------------------------------------
84)     Indeno(1,2,3-cd)pyren 0.943 0.872 0.918 0.970 0.969 0.934   4.39

85) I   Perylene-d12          ----------------ISTD---------------------
86)     Benzo(b)fluoranthene  1.653 1.633 1.588 1.344 1.145 1.472  15.02
87)     Benzo(k)fluoranthene  0.645 0.705 0.551 0.936 1.177 0.803  31.46
88) C   Benzo(a)pyrene        1.009 1.006 0.994 1.012 1.018 1.008   0.87
89)     Dibenzo(a,h)anthracen 0.799 0.769 0.765 0.800 0.793 0.785   2.17
90)     Benzo(g,h,i)perylene  0.737 0.710 0.707 0.740 0.742 0.727   2.38
```

```
(#) = Out of Range
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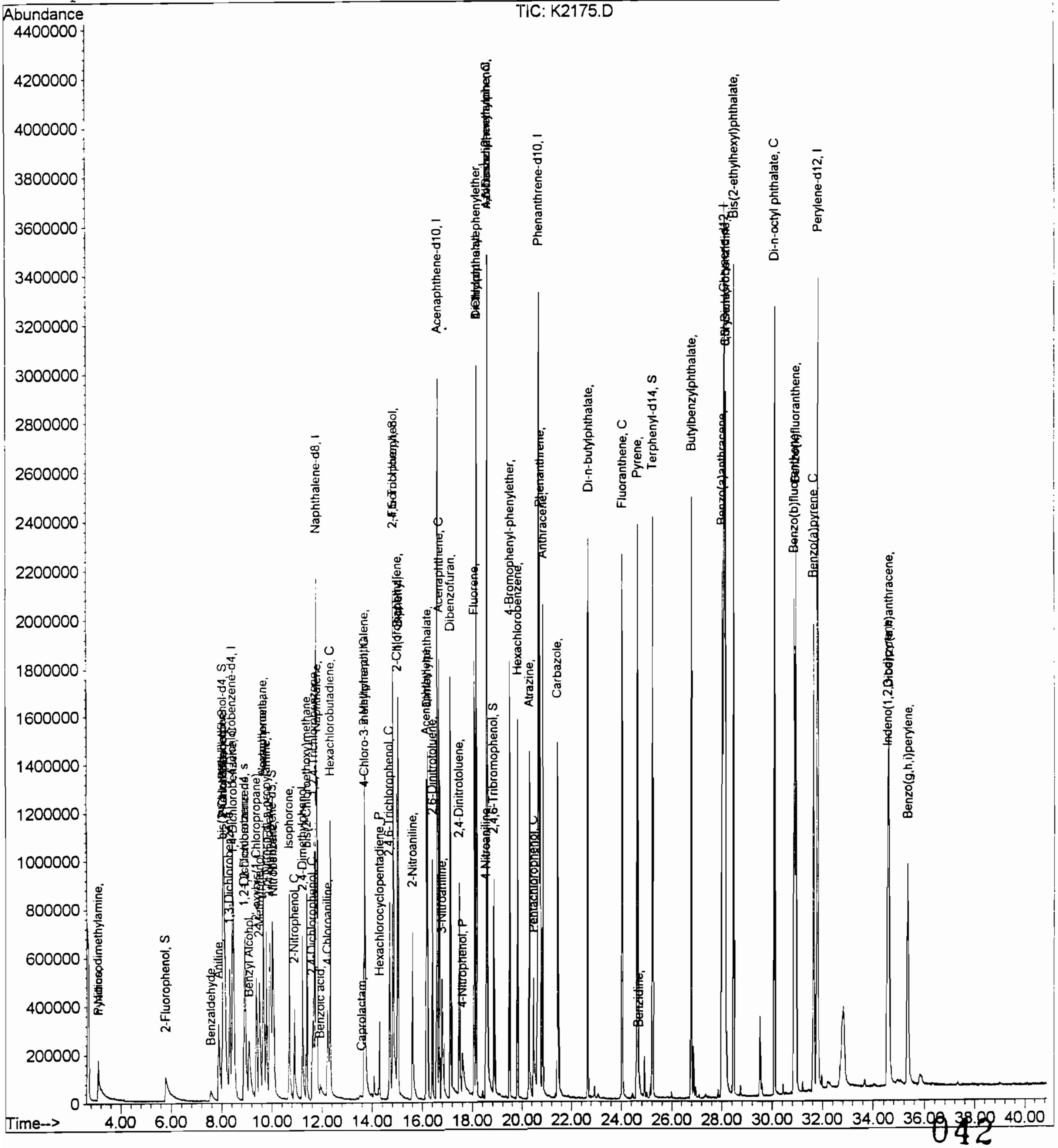
Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D                Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                       Operator: SJT
Sample    : 20ng BNA ICC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:34 2000                Quant Results File: BK0715C.RES

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:32 2000
Response via  : Initial Calibration
```



042

```
                    Quantitation Report    (QT Reviewed)

 Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D          Vial: 6
 Acq On    : 14 Aug 2000   1:54 pm                   Operator: SJT
 Sample    : 20ng BNA ICC                            Inst    : BNARTE
 Misc      :                                         Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 15 14:34 2000               Quant Results File: BK0715C.RES

 Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
 Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update  : Mon Jul 17 17:42:32 2000
 Response via : Initial Calibration
 DataAcq Meth : B1_BNA

Internal Standards                 R.T.  QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4        8.40   152    564142    40.00 ng     -0.01
 22) Naphthalene-d8               11.73   136   2236576    40.00 ng     -0.03
 39) Acenaphthene-d10             16.58   164   1679870    40.00 ng     -0.02
 62) Phenanthrene-d10             20.65   188   3884768    40.00 ng     -0.03
 74) Chrysene-d12                 28.08   240   4678493    40.00 ng     -0.05
 85) Perylene-d12                 31.81   264   4897428    40.00 ng     -0.05

System Monitoring Compounds
  4) 2-Fluorophenol                5.75   112    347410m   19.00 ng      0.05
  6) Phenol-d5                     8.02    99    492861    19.22 ng     -0.03
 11) 2-Chlorophenol-d4             8.04   132    420606m   20.71 ng      0.00
 14) 1,2-Dichlorobenzene-d4        8.87   152    250974    19.82 ng     -0.02
 24) Nitrobenzene-d5               9.98    82    408986    20.34 ng     -0.04
 41) 2,4,6-Tribromophenol         18.84   330    324337    20.63 ng     -0.07
 44) 2-Fluorobiphenyl             14.81   172   1253587    22.32 ng     -0.05
 77) Terphenyl-d14                25.22   244   2121959    20.90 ng     -0.06
                                                        8/15/00
Target Compounds                                                      Qvalue
  2) Pyridine                      3.07    79    264305m   16.14 ng
  3) n-Nitrosodimethylamine        3.07    42    231514m   19.72 ng
  5) Aniline                       7.86    93    485672    17.73 ng       100
  7) 2-Chlorophenol                8.07   128    400117    20.38 ng        96
  8) Benzaldehyde                  7.56    77     74486m    8.55 ng
  9) Phenol                        8.07    94    497610    18.32 ng   #    76
 10) bis(2-Chloroethyl)ether       8.02    93    477568    22.09 ng        86
 12) 1,3-Dichlorobenzene           8.30   146    427407    19.27 ng        90
 13) 1,4-Dichlorobenzene           8.44   146    494131    20.69 ng        96
 15) 1,2-Dichlorobenzene           8.91   146    445344    20.39 ng        96
 16) Benzyl Alcohol                9.07   108    245067m   17.20 ng
 17) 2,2'-oxybis(1-Chloropropan    9.35    45    783351    19.04 ng        95
 18) 2-Methylphenol                9.47   108    417543    18.69 ng        98
 19) Hexachloroethane              9.63   117    176815    19.74 ng        96
 20) n-Nitroso-di-n-propylamine    9.75    70    355717    22.60 ng        94
 21) 3+4-Methylphenols             9.88   107    846728    18.71 ng        89
 23) Acetophenone                  9.63   105    575349    20.63 ng        99
 25) Nitrobenzene                 10.03    77    490687    21.31 ng        97
 26) Isophorone                   10.65    82    971094    20.24 ng        99
 27) 2-Nitrophenol                10.87   139    248538    20.34 ng        95
 28) 2,4-Dimethylphenol           11.19   122    347188    21.35 ng        93
 29) bis(2-Chloroethoxy)methane   11.37    93    569984    21.21 ng        98
 30) 2,4-Dichlorophenol           11.58   162    409822m   20.77 ng
-----------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2175.D  BK0715C.M    Tue Aug 15 14:35:20 2000     RPT1                 Page 1
```

8/15/00

```
                         Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D           Vial: 6
  Acq On    : 14 Aug 2000   1:54 pm                   Operator: SJT
  Sample    : 20ng BNA ICC                            Inst    : BNARTE
  Misc      :                                         Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:34 2000               Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


     Compound                          R.T. QIon  Response  Conc Unit   Qvalue
-----------------------------------------------------------8/15/00-----------

 31) 1,2,4-Trichlorobenzene           11.65  180    445586    21.40 ng      99
 32) Naphthalene                      11.77  128   1255959    21.27 ng     100
 33) Benzoic acid                     11.91  122    231014m   19.21 ng
 34) 4-Chloroaniline                  12.19  127    497167    22.40 ng      96
 35) Hexachlorobutadiene              12.30  225    285818    22.09 ng      99
 36) Caprolactam                      13.57  113      9538m   18.72 ng
 37) 4-Chloro-3-methylphenol          13.69  107    440794    20.40 ng   #  58
 38) 2-Methylnaphthalene              13.67  142   1299764    22.40 ng   #  82
 40) Hexachlorocyclopentadiene        14.29  237     96546    11.83 ng      95
 42) 2,4,6-Trichlorophenol            14.67  196    361784    19.97 ng      99
 43) 2,4,5-Trichlorophenol            14.82  196    322890    17.59 ng      89
 45) 1,1'-Biphenyl                    15.02  154    958137    22.23 ng      99
 46) 2-Chloronaphthalene              15.00  162    980831    21.74 ng      99
 47) 2-Nitroaniline                   15.57   65    344584    18.27 ng      96
 48) Acenaphthylene                   16.14  152   1349737    21.08 ng     100
 49) Dimethylphthalate                16.18  163   1285209    20.98 ng      99
 50) 2,6-Dinitrotoluene               16.38  165    308669    19.85 ng      97
 51) Acenaphthene                     16.66  154    904894    21.11 ng      99
 52) 3-Nitroaniline                   16.77  138    302575    18.39 ng      99
 54) Dibenzofuran                     17.11  168   1527533    21.45 ng   #  97
 55) 4-Nitrophenol                    17.60  139    246838m   17.79 ng
 56) 2,4-Dinitrotoluene               17.46  165    487676    19.74 ng      98
 57) Fluorene                         18.06  166   1256359    21.28 ng      98
 58) Diethylphthalate                 18.15  149   1308005    21.30 ng      98
 59) 4-Chlorophenyl-phenylether       18.15  204    670933    21.55 ng      99
 60) 4-Nitroaniline                   18.53  138    325096m   22.98 ng
 61) Azobenzene                       18.58   77   1409173    21.66 ng      97
 63) 4,6-Dinitro-2-methylphenol       18.58  198    262326    16.71 ng   #   1
 64) n-Nitrosodiphenylamine           18.57  169    956278    22.76 ng      97
 65) 4-Bromophenyl-phenylether        19.48  248    604631    21.11 ng      97
 66) Hexachlorobenzene                19.80  284    616792    22.39 ng      96
 67) Atrazine                         20.29  200    438586    23.86 ng      97
 68) Pentachlorophenol                20.45  266    383411m   19.27 ng
 69) Phenanthrene                     20.71  178   2042893    21.14 ng      98
 70) Anthracene                       20.83  178   2062455    21.22 ng      98
 71) Carbazole                        21.43  167   1836444    21.31 ng      99
 72) Di-n-butylphthalate              22.66  149   2773980    21.79 ng      99
 73) Fluoranthene                     24.02  202   2685850    22.26 ng      99
 75) Benzidine                        24.69  184    105930m    7.65 ng
 76) Pyrene                           24.62  202   2835205    20.72 ng      97
 78) Butylbenzylphthalate             26.79  149   1443487    20.70 ng     100
-----------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

```
                           Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
  Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
  Sample    : 20ng BNA ICC                               Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:34 2000              Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

    Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 ------------------------------------------------------------------------------

  79) Benzo(a)anthracene            28.01  228  2865642    20.70 ng      100
  80) 3,3'-Dichlorobenzidine        28.13  252   786208    18.65 ng       98
  81) Chrysene                      28.15  228  2297786    20.95 ng       99
  82) Bis(2-ethylhexyl)phthalate    28.46  149  1972222    20.45 ng      100
  83) Di-n-octyl phthalate          30.08  149  3496047    19.96 ng      100
  84) Indeno(1,2,3-cd)pyrene        34.56  276  2266722    20.55 ng       93
  86) Benzo(b)fluoranthene          30.86  252  2802579m   13.85 ng
  87) Benzo(k)fluoranthene          30.93  252  2881528    36.46 ng       98
  88) Benzo(a)pyrene                31.64  252  2493134    20.19 ng       99
  89) Dibenzo(a,h)anthracene        34.61  278  1942243    19.84 ng       98
  90) Benzo(g,h,i)perylene          35.36  276  1816656    20.12 ng       97
```

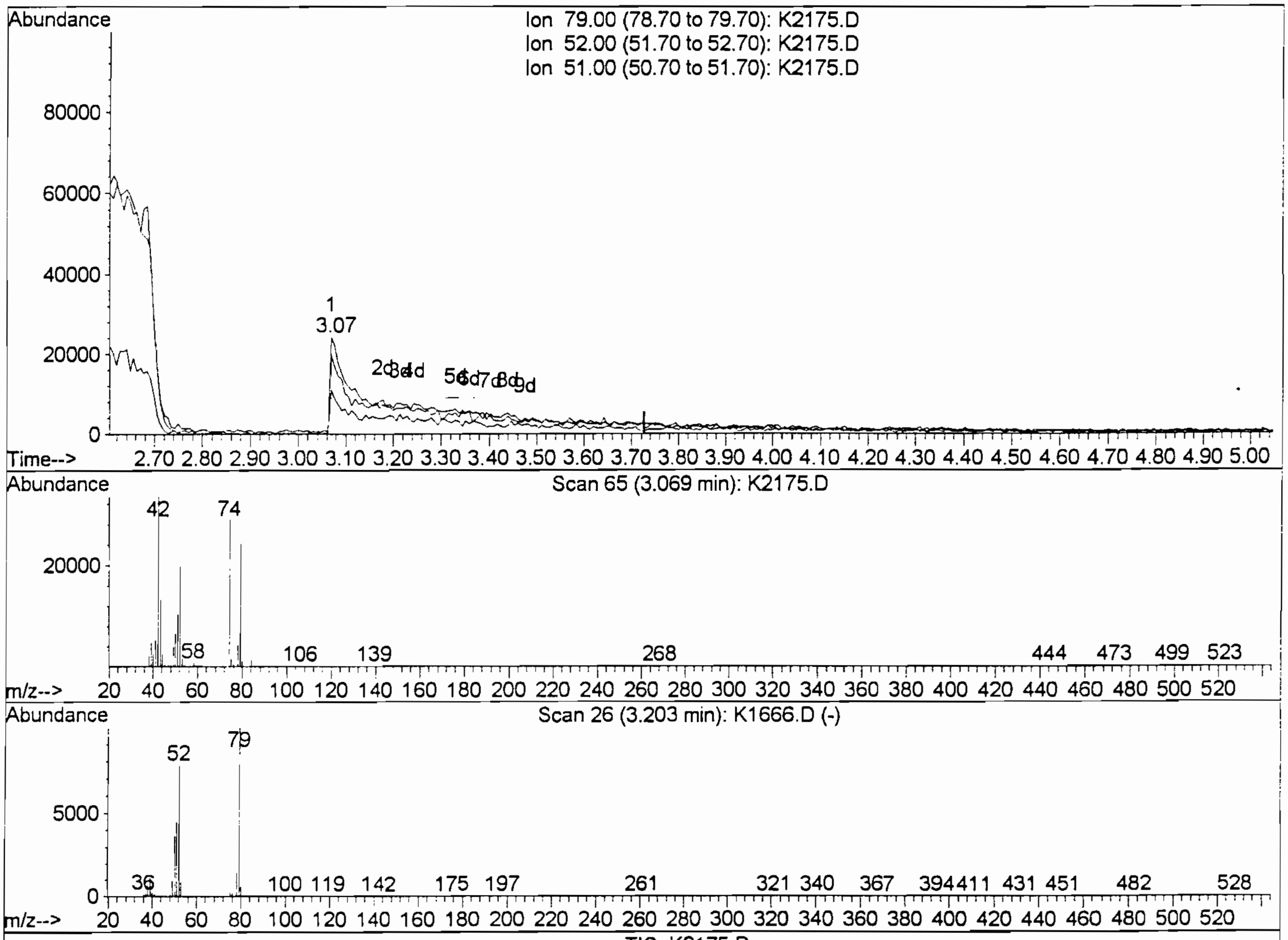
SL 8/14/00

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

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QSant@gmatiAngPa5ams:27t2000.p               Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



(2) Pyridine ( )

3.07min 16.14ng m

response 264305

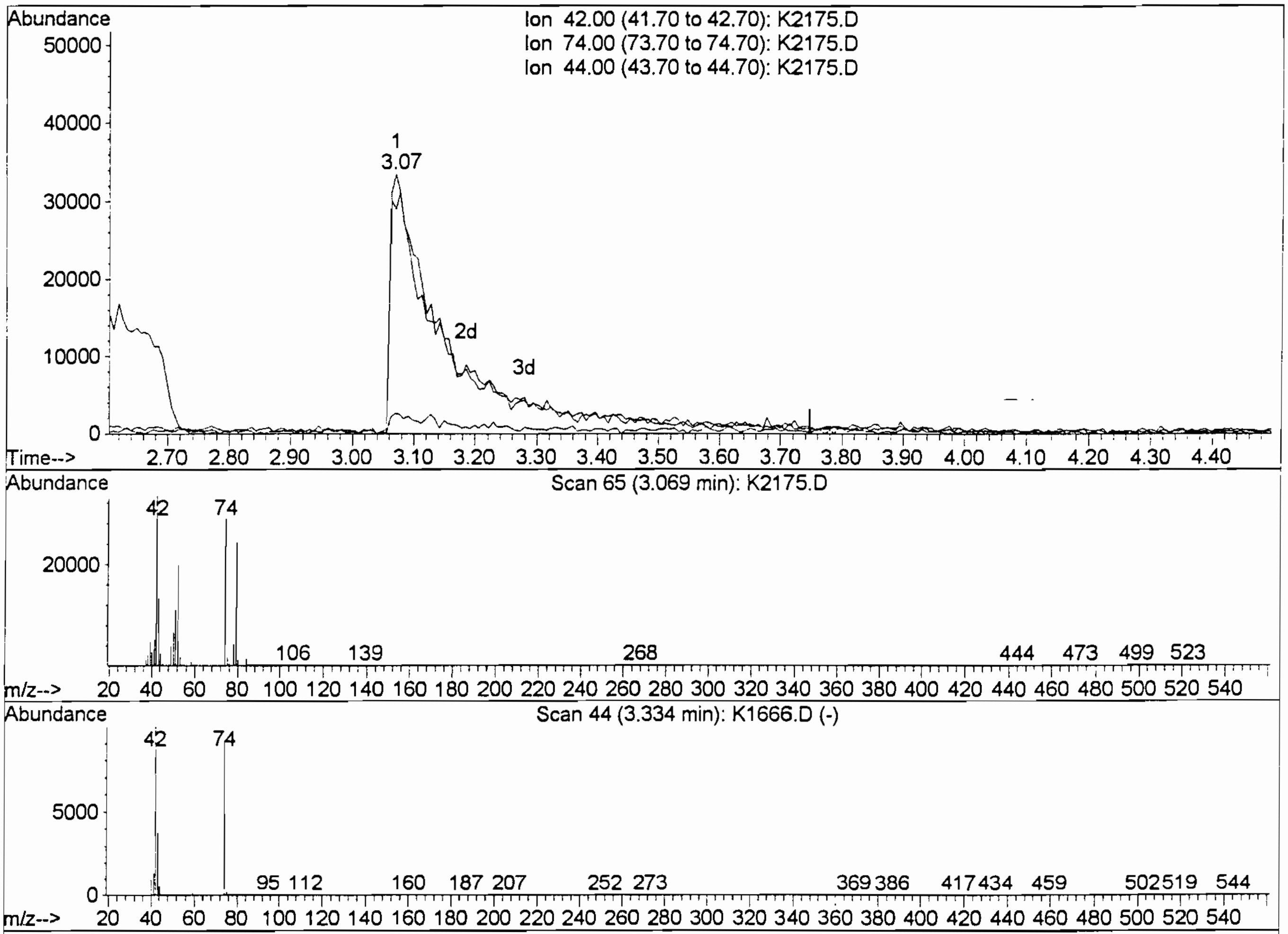
Ion	Exp%	Act%
79.00	100	100
52.00	85.50	81.90
51.00	38.90	46.00
0.00	0.00	0.00

046

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D                Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                        Operator: SJT
Sample    : 20ng BNA ICC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
Quant Time: Aug 15 14:27 2000
Integration Params: rteint.p                  Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2175.D

(3) n-Nitrosodimethylamine ( )

3.07min 19.72ng m

response 231514

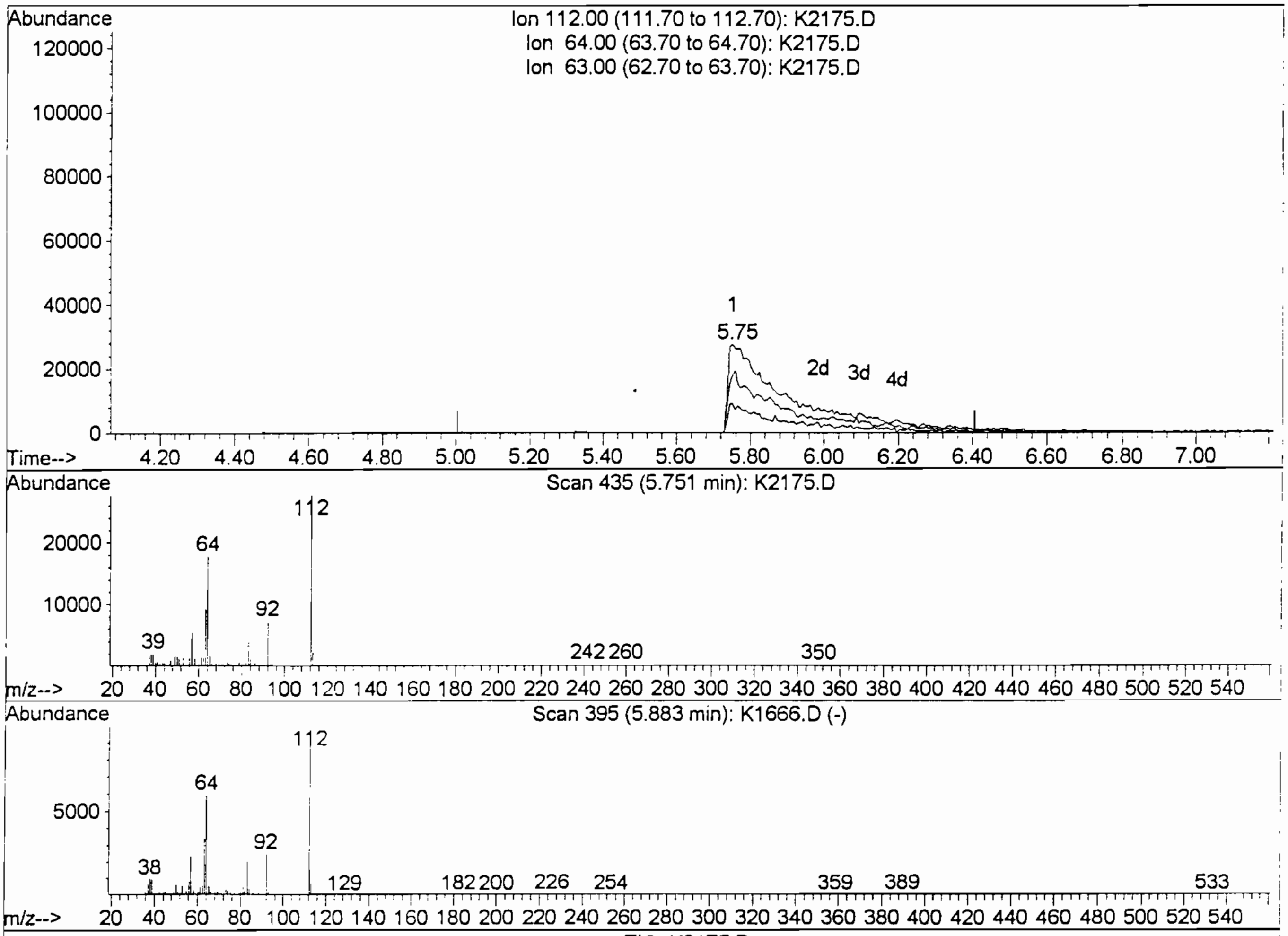
Ion	Exp%	Act%
42.00	100	100
74.00	92.70	86.53
44.00	7.20	7.73
0.00	0.00	0.00

047

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D                Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                         Operator: SJT
Sample    : 20ng BNA ICC                                  Inst    : BNARTE
Misc      :                                               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:28 2000                   Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Single Level Calibration
```



TIC: K2175.D

(4) 2-Fluorophenol (S)

5.75min 19.00ng m

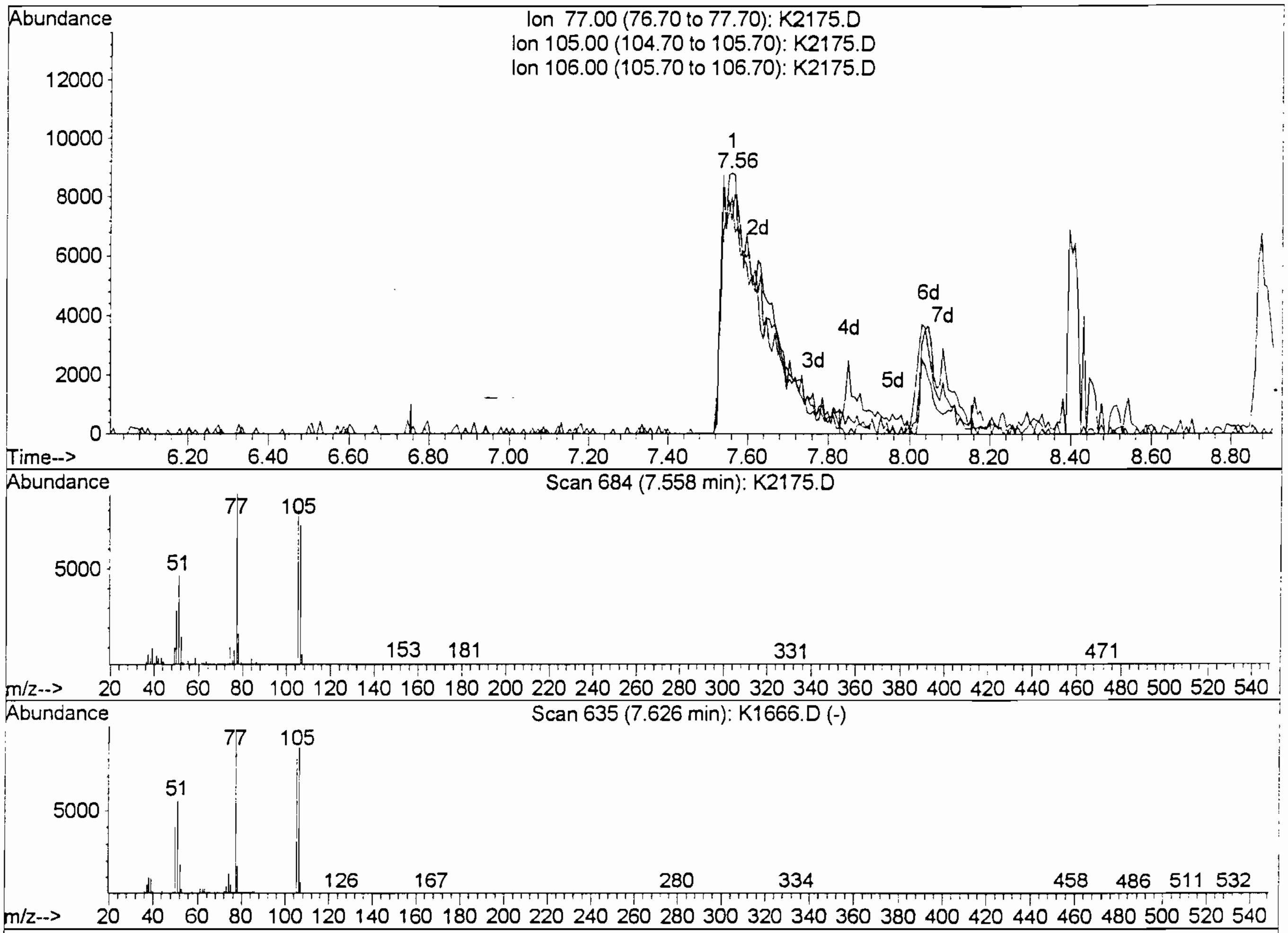
response 347410

Ion	Exp%	Act%
112.00	100	100
64.00	62.70	64.38
63.00	31.70	33.25
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D                Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                        Operator: SJT
Sample    : 20ng BNA ICC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:28 2000                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2175.D

(8) Benzaldehyde

7.56min 7.64ng m

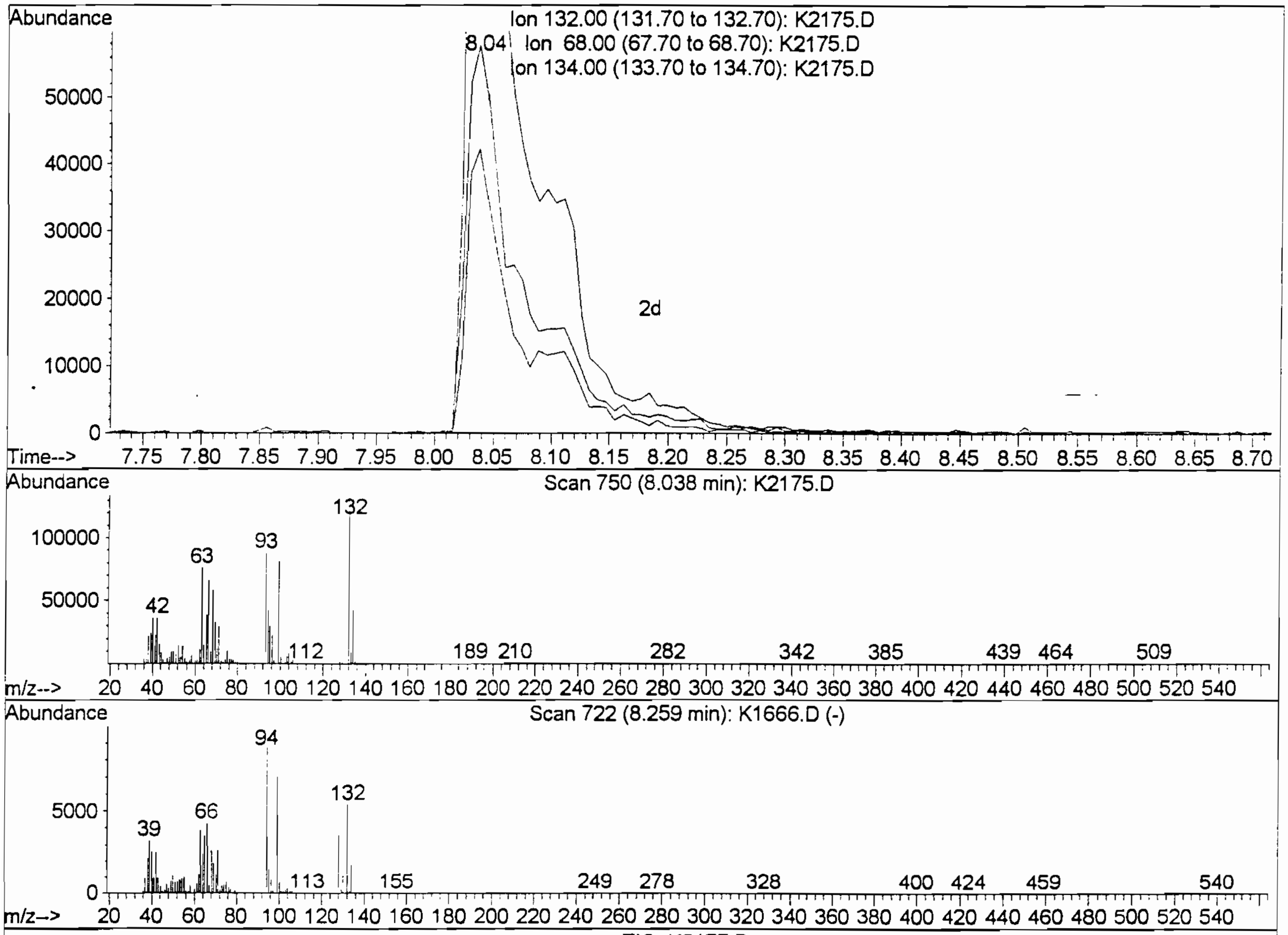
response 66513

Ion	Exp%	Act%
77.00	100	100
105.00	95.50	90.74
106.00	91.20	81.86
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D                  Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                          Operator: SJT
Sample    : 20ng BNA ICC                                   Inst    : BNARTE
Misc      :                                                Multiplr: 1.00
Q8aIntEgmetiAngPa5ams:29t2000.p                   Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2175.D

```
(11) 2-Chlorophenol-d4 (S)

8.04min  20.71ng m

response  420606

 Ion      Exp%    Act%

132.00    100      100

 68.00    48.50    42.88

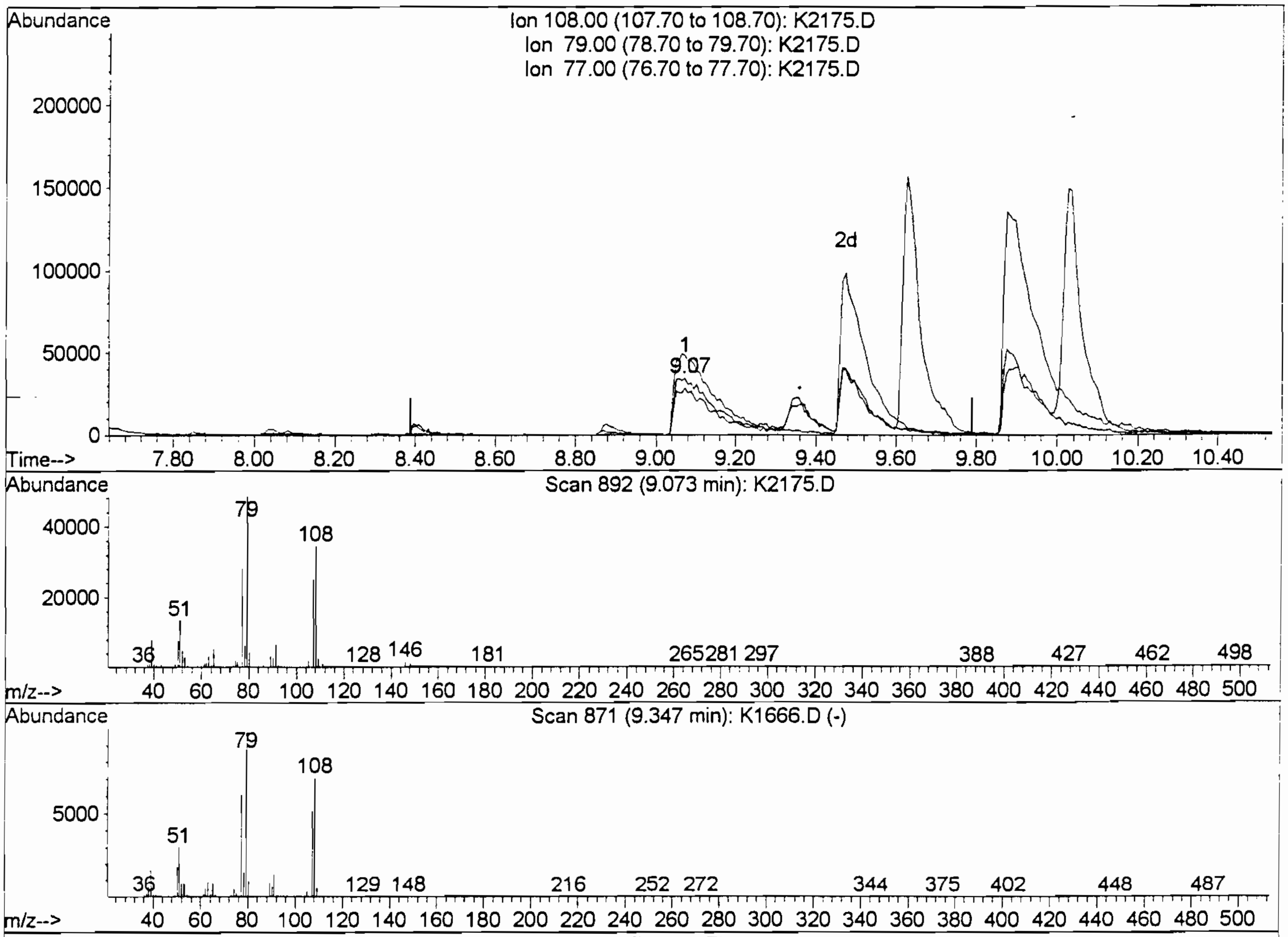
134.00    32.20    31.37

  0.00    0.00     0.00
```

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Q8aint@gmetiAngPa5ams:30t2000.p                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2175.D

(16) Benzyl Alcohol

9.07min 17.20ng m

response 245067

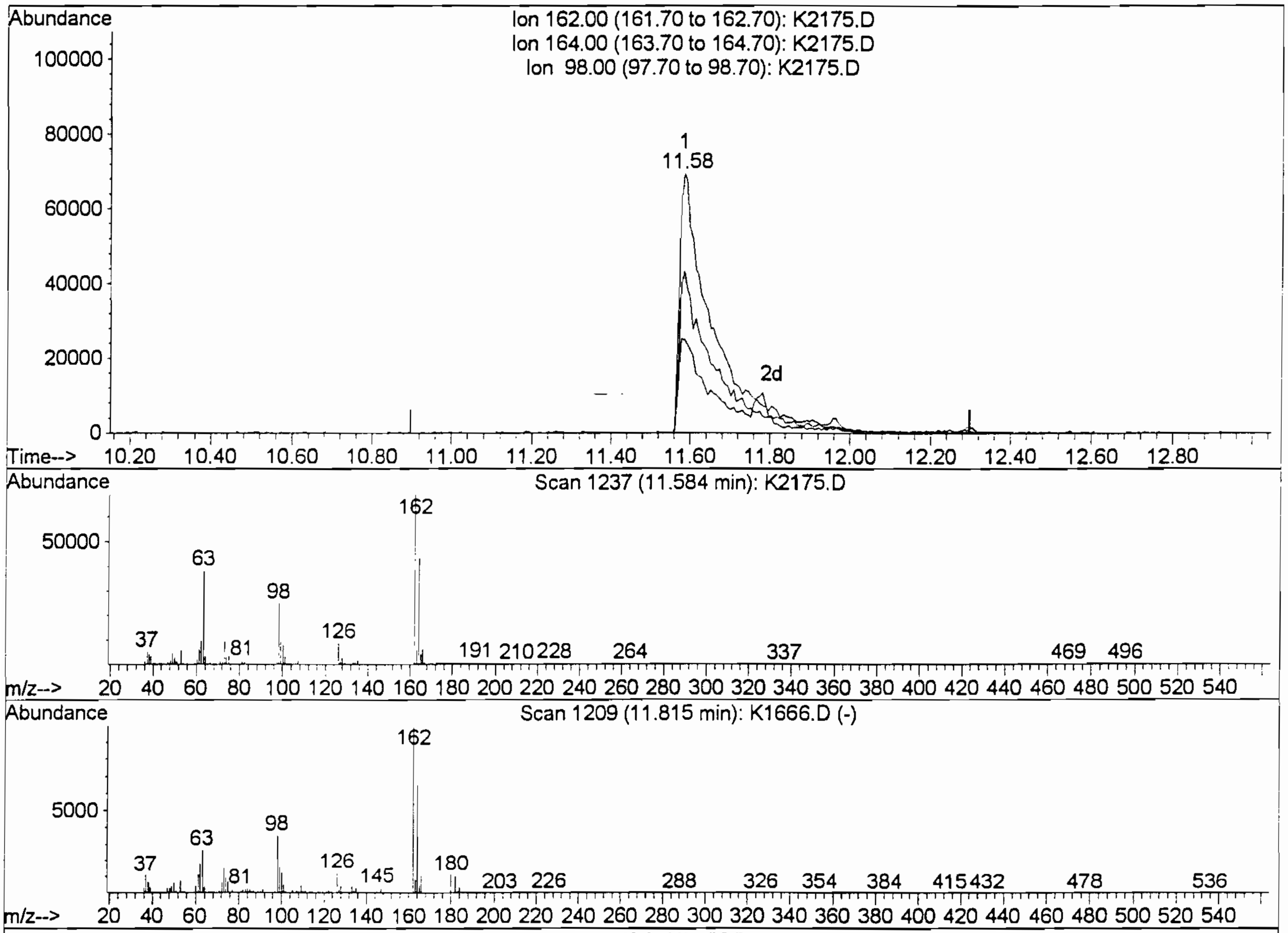
Ion	Exp%	Act%
108.00	100	100
79.00	136.90	140.52
77.00	78.80	81.96
0.00	0.00	0.00

051

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D                Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                        Operator: SJT
Sample    : 20ng BNA ICC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:30 2000               Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



TIC: K2175.D

(30) 2,4-Dichlorophenol (C)

11.58min 20.77ng m

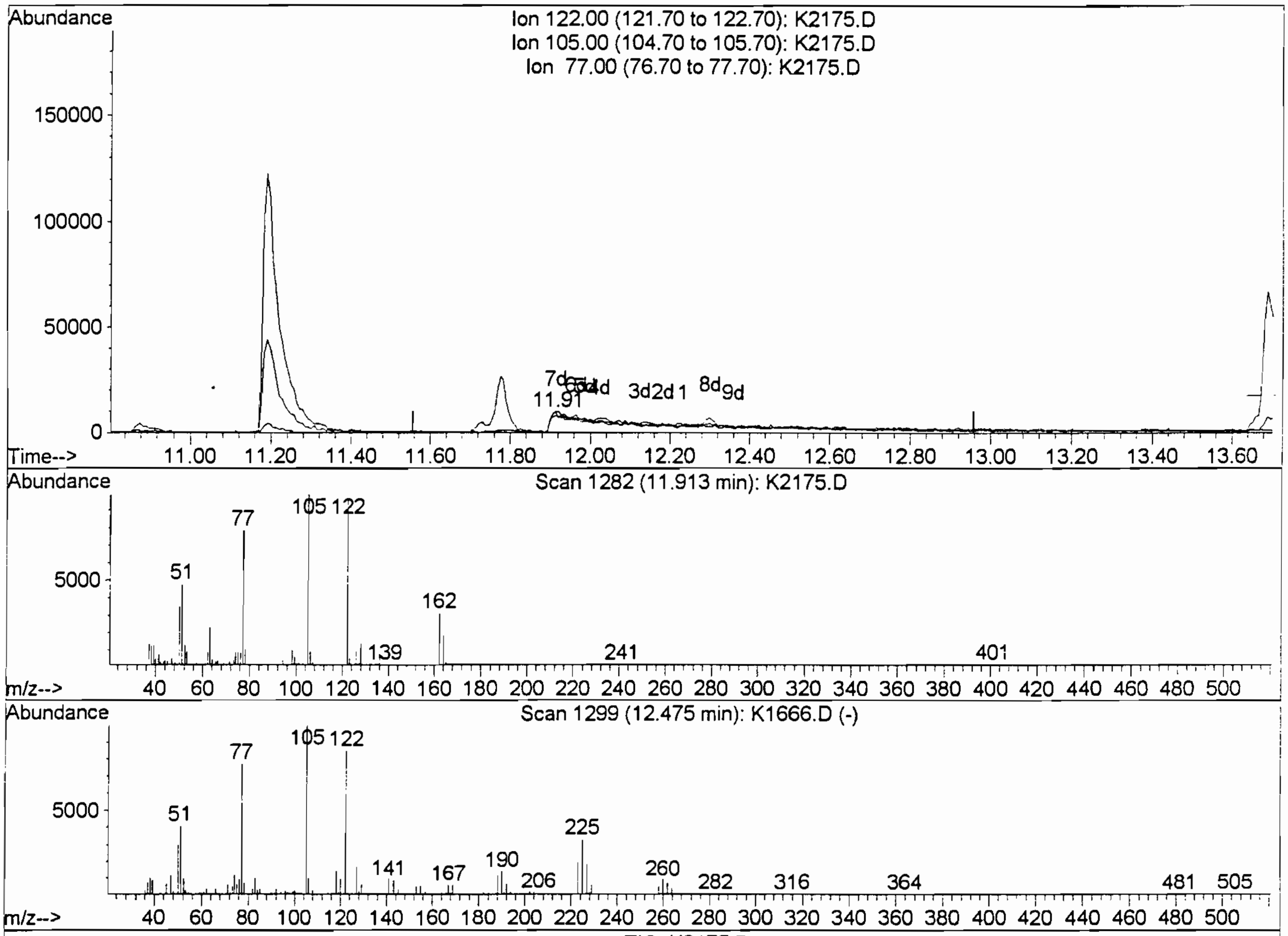
response 409822

Ion	Exp%	Act%
162.00	100	100
164.00	62.90	62.65
98.00	36.50	35.83
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Q8amntt@gmetiAngPa5am4:3it2000.p                  Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Single Level Calibration
```



TIC: K2175.D

(33) Benzoic acid

11.91min 19.21ng m

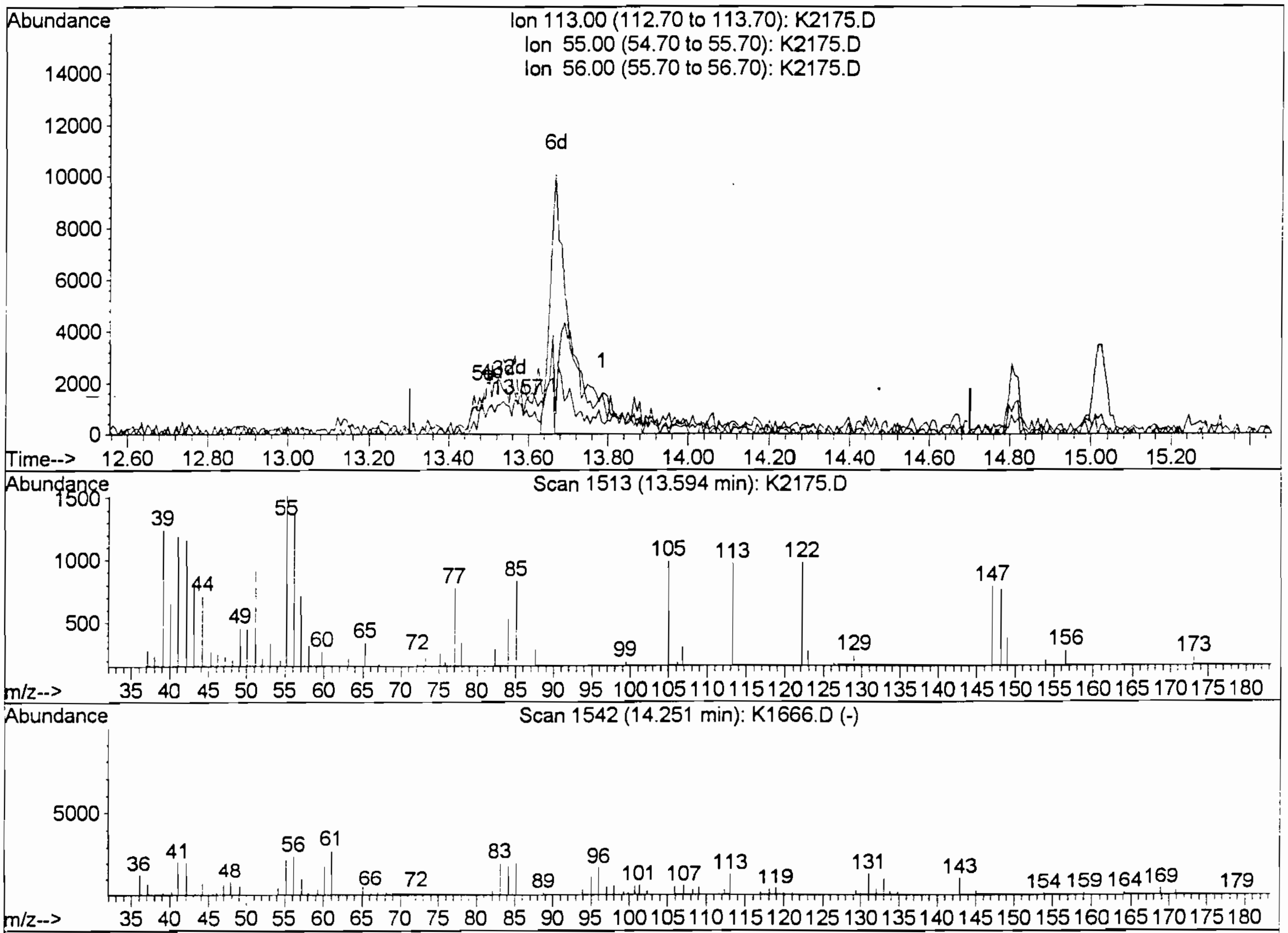
response 231014

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	103.67
77.00	94.20	82.11
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                       Operator: SJT
Sample    : 20ng BNA ICC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Quant Time: Aug 15 14:31 2000              Quant Results File: temp.res
IntegrationParams: rteint.p

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



(36) Caprolactam

13.57min 18.72ng m

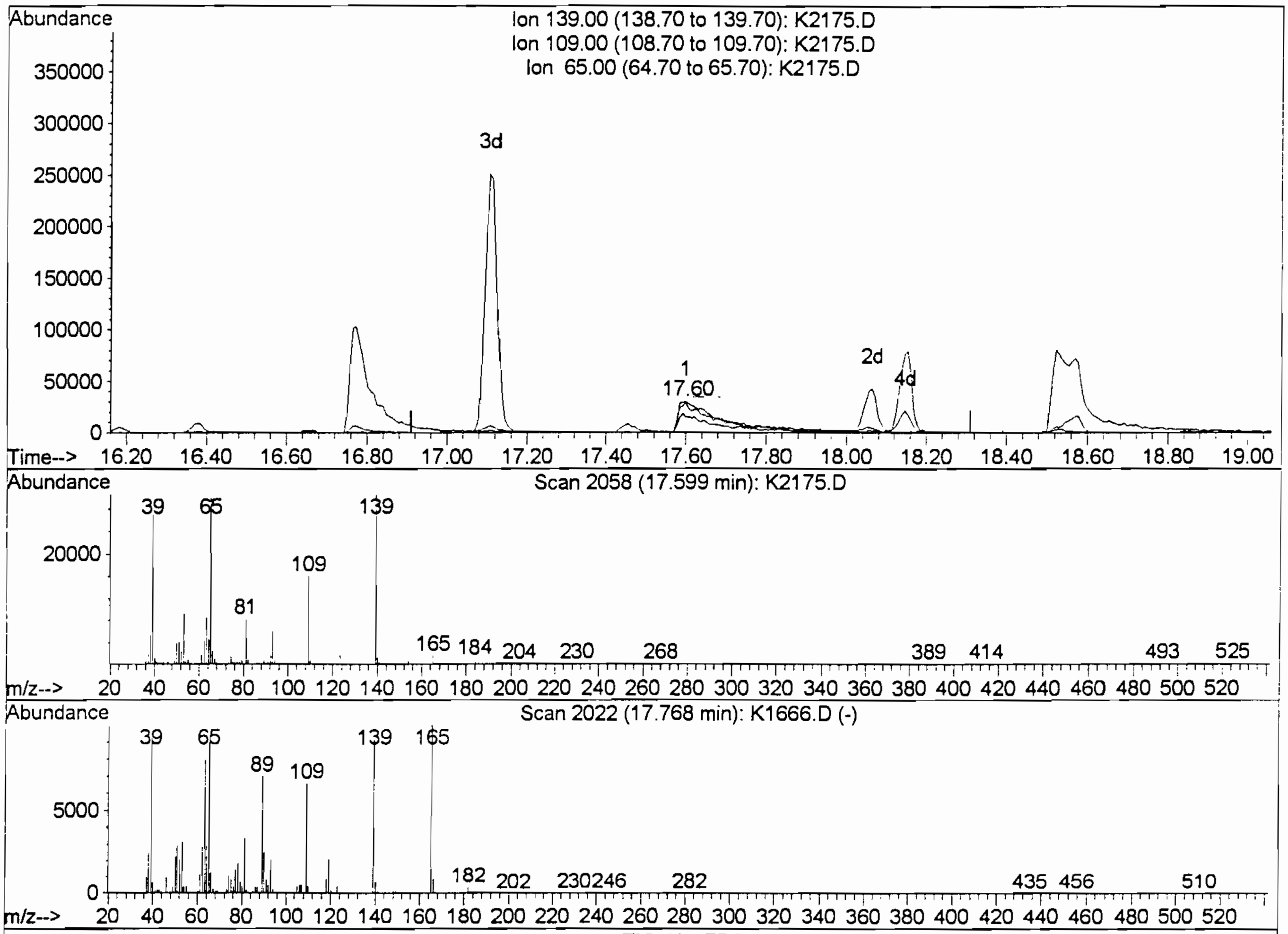
response 9538

Ion	Exp%	Act%
113.00	100	100
55.00	168.90	228.41
56.00	115.20	123.81
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Ø8añntEgmetiAngPå5amš:32te2000.p            Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



(55) 4-Nitrophenol (P)

17.60min 17.79ng m

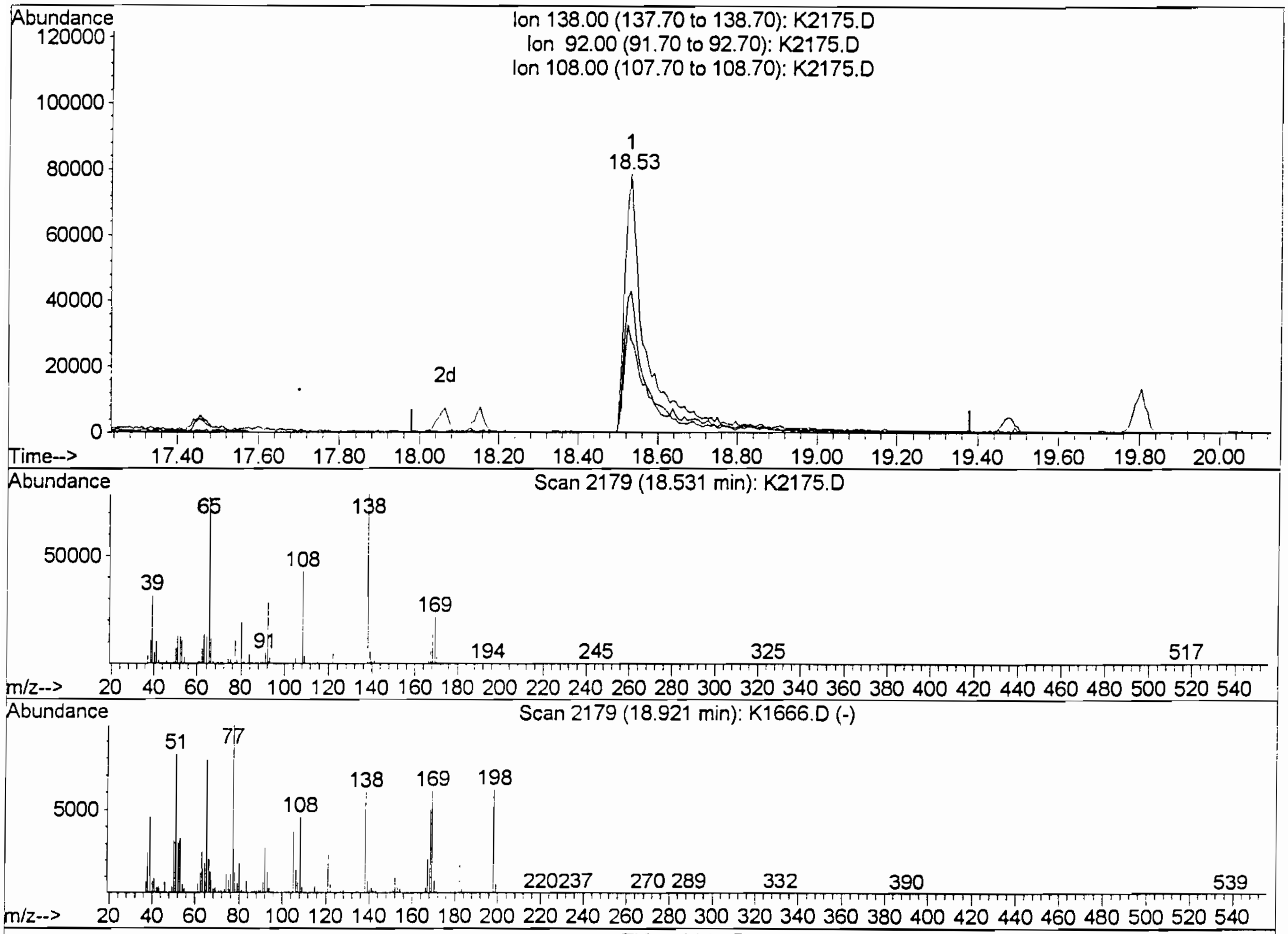
response 246838

Ion	Exp%	Act%
139.00	100	100
109.00	58.30	52.02
65.00	88.00	97.32
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QdaintEgmatiAngPa5ams:33t2000.p            Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Single Level Calibration
```



TIC: K2175.D

(60) 4-Nitroaniline

18.53min 22.98ng m

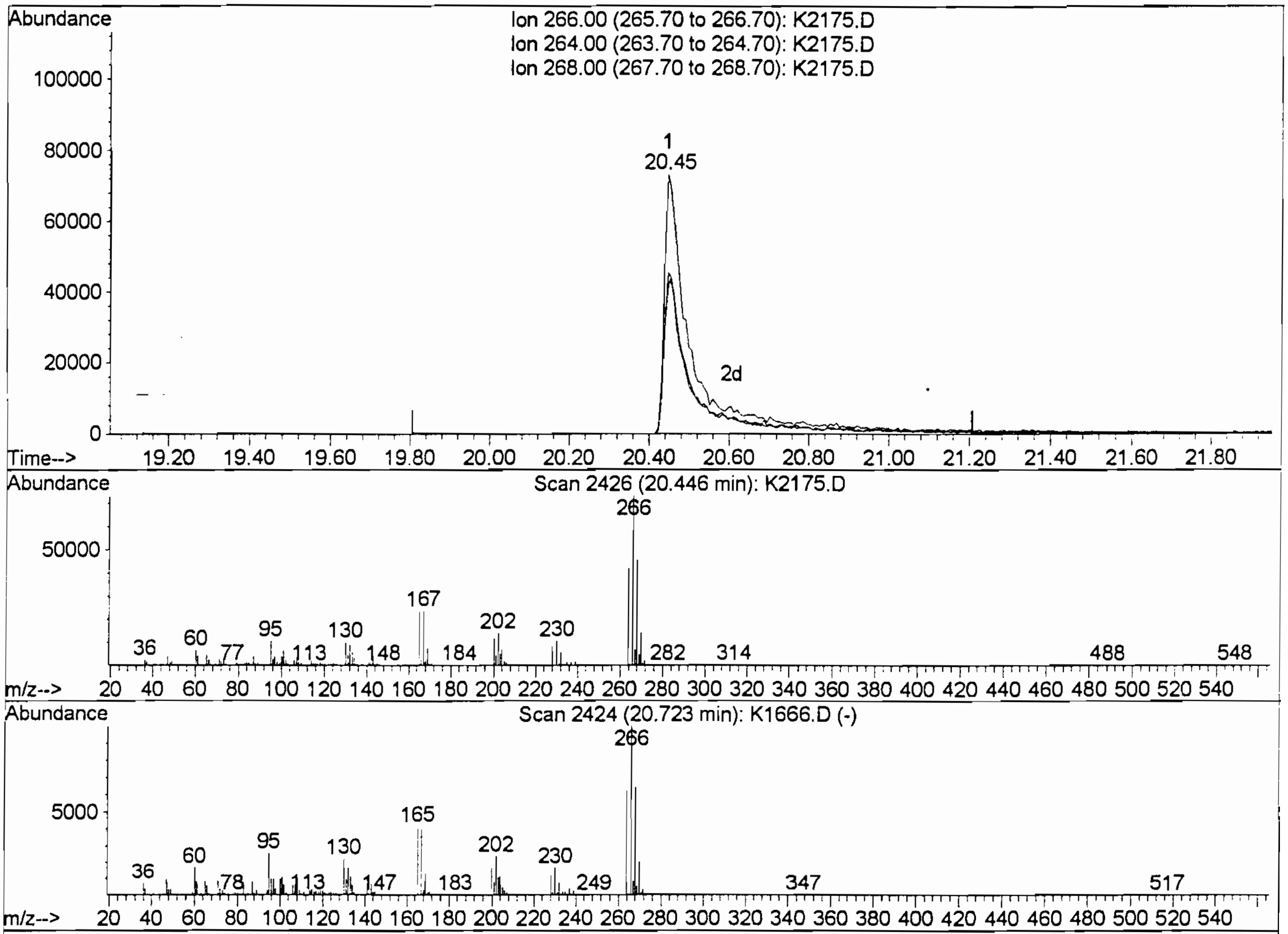
response 325096

Ion	Exp%	Act%
138.00	100	100
92.00	40.90	36.04
108.00	56.90	54.54
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:33 2000                 Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2175.D

(68) Pentachlorophenol (C)

20.45min 19.27ng m

response 383411

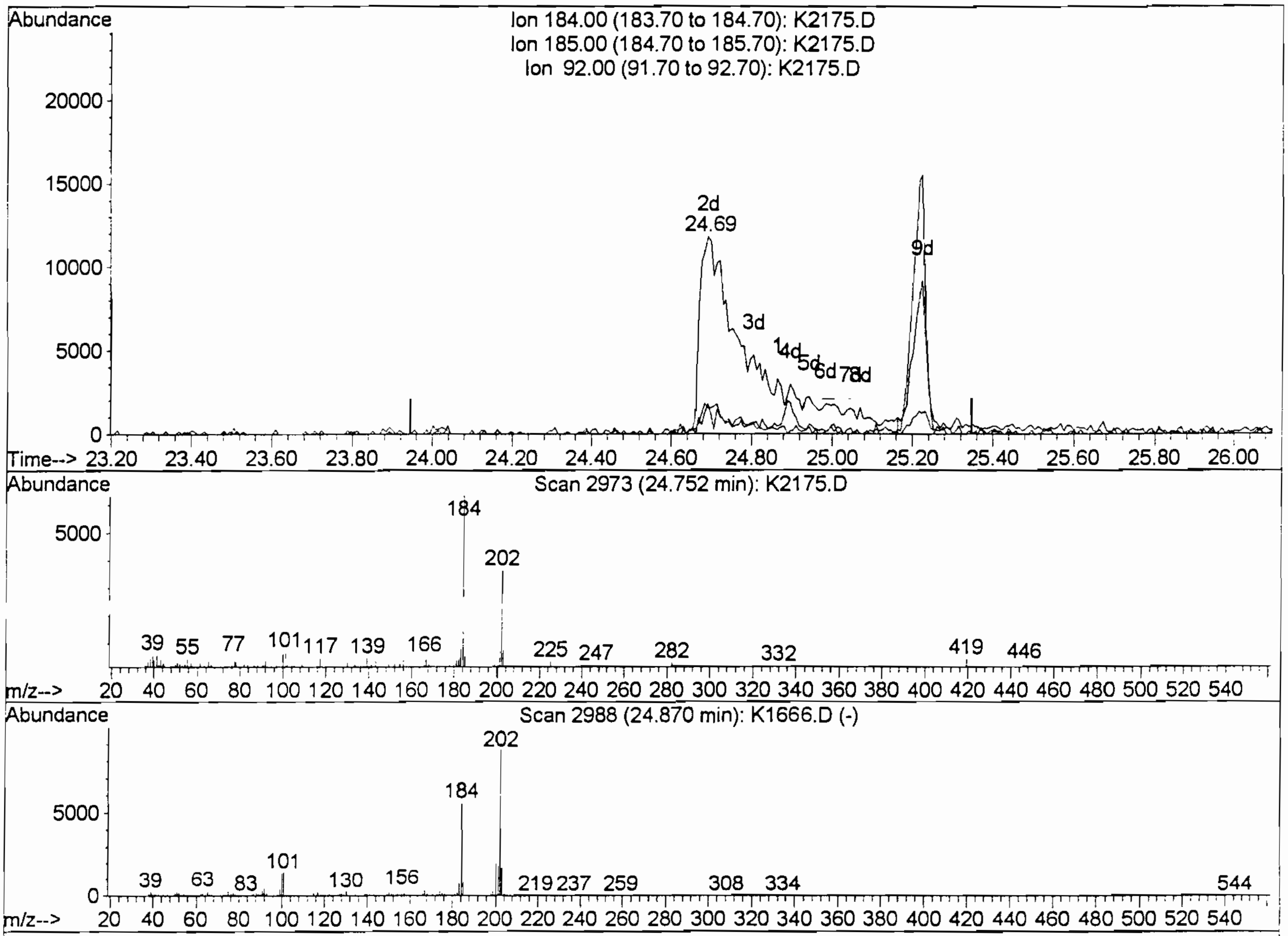
Ion	Exp%	Act%
266.00	100	100
264.00	65.40	57.43
268.00	65.70	62.14
0.00	0.00	0.00

057

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2175.D              Vial: 6
Acq On    : 14 Aug 2000   1:54 pm                      Operator: SJT
Sample    : 20ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QdanntTegmatiAngPa5ams:3rt2000.p              Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2175.D

(75) Benzidine

24.69min 7.65ng m

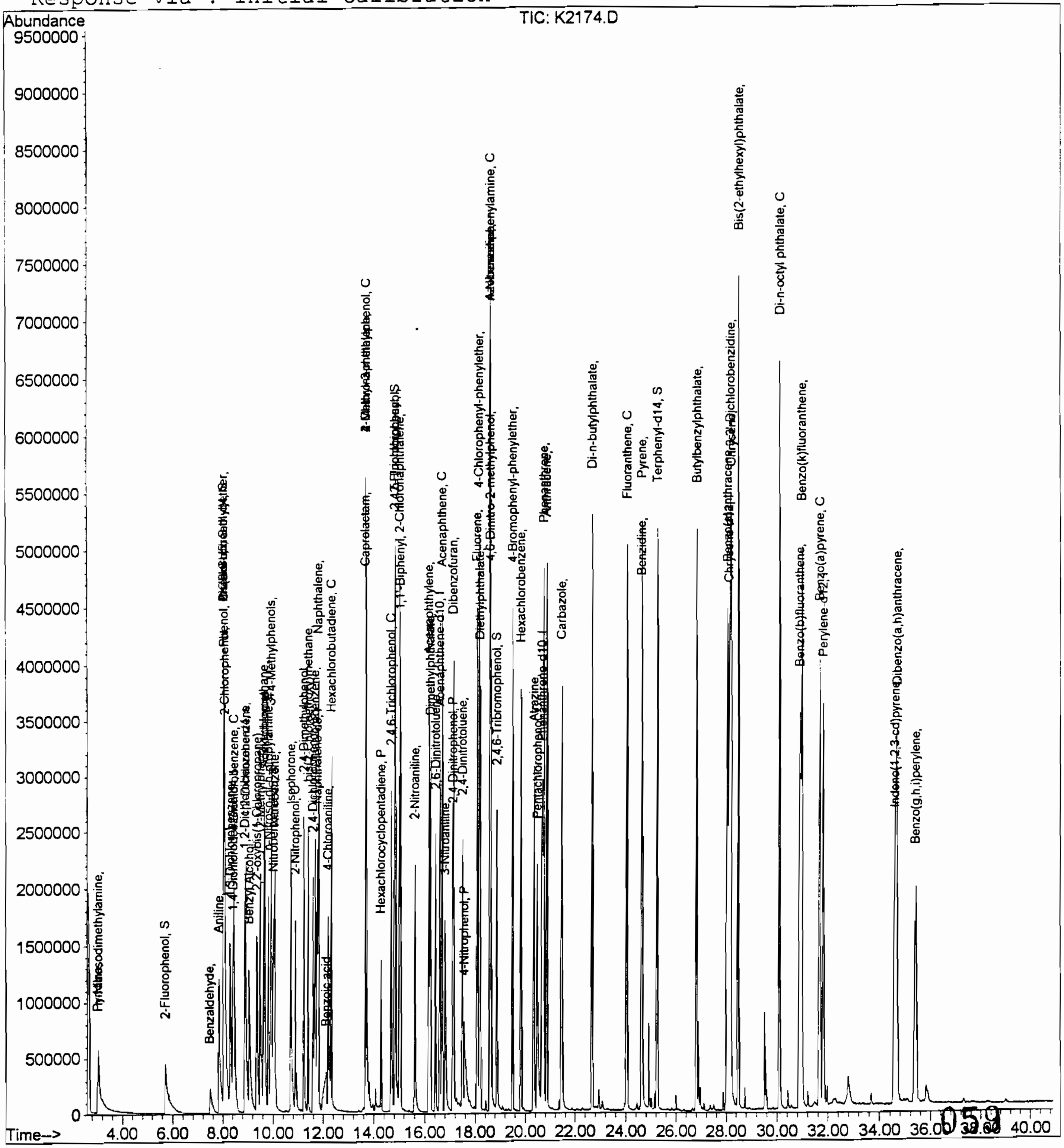
response 105930

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	13.10
92.00	7.70	15.12#
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D          Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                  Operator: SJT
Sample    : 50ng BNA ICC                           Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:25 2000                Quant Results File: BK0715C.RES

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:32 2000
Response via   : Initial Calibration
```



```
                         Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D          Vial: 5
  Acq On    : 14 Aug 2000   1:04 pm                  Operator: SJT
  Sample    : 50ng BNA ICC                           Inst    : BNARTE
  Misc      :                                        Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:25 2000               Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


Internal Standards                      R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4             8.41  152   679047    40.00 ng     -0.01
 22) Naphthalene-d8                    11.74  136  2741655    40.00 ng     -0.02
 39) Acenaphthene-d10                  16.59  164  2070705    40.00 ng      0.00
 62) Phenanthrene-d10                  20.67  188  4550384    40.00 ng      0.00
 74) Chrysene-d12                      28.11  240  5175853    40.00 ng     -0.03
 85) Perylene-d12                      31.83  264  5369501    40.00 ng     -0.03

System Monitoring Compounds
  4) 2-Fluorophenol                     5.71  112  1077370m   48.94 ng      0.00
  6) Phenol-d5                          8.03   99  1497953    48.53 ng     -0.02
 11) 2-Chlorophenol-d4                  8.03  132  1199348    49.06 ng      0.00
 14) 1,2-Dichlorobenzene-d4             8.87  152   747580    49.04 ng     -0.01
 24) Nitrobenzene-d5                   10.00   82  1243510    50.45 ng     -0.02
 41) 2,4,6-Tribromophenol              18.88  330   965681    49.83 ng     -0.03
 44) 2-Fluorobiphenyl                  14.84  172  3550430    51.27 ng     -0.02
 77) Terphenyl-d14                     25.25  244  5648415    50.29 ng     -0.03

Target Compounds                                                       Qvalue
  2) Pyridine                           3.03   79   980844m   49.75 ng
  3) n-Nitrosodimethylamine             3.05   42   709109m   50.18 ng
  5) Aniline                            7.85   93  1566057    47.49 ng        99
  7) 2-Chlorophenol                     8.07  128  1178930    49.90 ng        93
  8) Benzaldehyde                       7.49   77   283601    27.05 ng        99
  9) Phenol                             8.06   94  1505320    46.04 ng        93
 10) bis(2-Chloroethyl)ether            8.03   93  1332919    51.22 ng        93
 12) 1,3-Dichlorobenzene                8.30  146  1274697    47.75 ng        98
 13) 1,4-Dichlorobenzene                8.44  146  1411829    49.11 ng        98
 15) 1,2-Dichlorobenzene                8.90  146  1301781    49.52 ng        97
 16) Benzyl Alcohol                     9.05  108   791482    46.14 ng        98
 17) 2,2'-oxybis(1-Chloropropan         9.36   45  2335566    47.16 ng        99
 18) 2-Methylphenol                     9.49  108  1328144m   49.39 ng
 19) Hexachloroethane                   9.62  117   526154    48.81 ng        98
 20) n-Nitroso-di-n-propylamine         9.80   70  1034716    54.61 ng        98
 21) 3+4-Methylphenols                  9.92  107  2680922    49.23 ng        99
 23) Acetophenone                       9.65  105  1731248    50.64 ng        98
 25) Nitrobenzene                      10.06   77  1451480    51.44 ng        97
 26) Isophorone                        10.70   82  2949249    50.16 ng        99
 27) 2-Nitrophenol                     10.88  139   790058    52.75 ng       100
 28) 2,4-Dimethylphenol                11.21  122  1086573    54.51 ng        99
 29) bis(2-Chloroethoxy)methane        11.39   93  1724239    52.34 ng        96
 30) 2,4-Dichlorophenol                11.57  162  1263466    52.23 ng        97
------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2174.D  BK0715C.M       Tue Aug 15 14:26:23 2000       RPT1              Page 1
```

8/15/00

```
                         Quantitation Report    (QT Reviewed)

 Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D           Vial: 5
 Acq On    : 14 Aug 2000   1:04 pm                    Operator: SJT
 Sample    : 50ng BNA ICC                             Inst    : BNARTE
 Misc      :                                          Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 15 14:25 2000                 Quant Results File: BK0715C.RES

 Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
 Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update  : Mon Jul 17 17:42:32 2000
 Response via : Initial Calibration
 DataAcq Meth : B1_BNA

    Compound                            R.T. QIon  Response  Conc Unit   Qvalue
-------------------------------------------------------------------------------
 31) 1,2,4-Trichlorobenzene            11.66  180  1325693    51.93 ng       98
 32) Naphthalene                       11.80  128  3659982    50.58 ng      100
 33) Benzoic acid                      12.11  122   737251m   50.01 ng
 34) 4-Chloroaniline                   12.19  127  1470009    54.03 ng       98
 35) Hexachlorobutadiene               12.31  225   812501    51.23 ng       96
 36) Caprolactam                       13.66  113    33053m   52.92 ng
 37) 4-Chloro-3-methylphenol           13.69  107  1321591    49.90 ng       98
 38) 2-Methylnaphthalene               13.69  142  3764732    52.93 ng       99
 40) Hexachlorocyclopentadiene         14.29  237   459407    45.66 ng       96
 42) 2,4,6-Trichlorophenol             14.68  196  1108517    49.64 ng       97
 43) 2,4,5-Trichlorophenol             14.82  196  1184212    52.33 ng       97
 45) 1,1'-Biphenyl                     15.05  154  2730797    51.39 ng       99
 46) 2-Chloronaphthalene               15.02  162  2818804    50.70 ng       99
 47) 2-Nitroaniline                    15.61   65  1075679    46.27 ng       97
 48) Acenaphthylene                    16.16  152  3926002    49.74 ng       99
 49) Dimethylphthalate                 16.22  163  3745149    49.61 ng      100
 50) 2,6-Dinitrotoluene                16.42  165   942770    49.18 ng       95
 51) Acenaphthene                      16.69  154  2644706    50.04 ng       98
 52) 3-Nitroaniline                    16.81  138   954444    47.06 ng       96
 53) 2,4-Dinitrophenol                 17.10  184   574778    41.37 ng       90
 54) Dibenzofuran                      17.14  168  4432014    50.49 ng       99
 55) 4-Nitrophenol                     17.57  139   782416    45.74 ng       90
 56) 2,4-Dinitrotoluene                17.50  165  1466290    48.15 ng      100
 57) Fluorene                          18.09  166  3556333    48.86 ng       99
 58) Diethylphthalate                  18.21  149  3674180    48.54 ng       99
 59) 4-Chlorophenyl-phenylether        18.17  204  1936691    50.46 ng       99
 60) 4-Nitroaniline                    18.61  138   850990    48.81 ng       97
 61) Azobenzene                        18.60   77  3908065    48.72 ng       99
 63) 4,6-Dinitro-2-methylphenol        18.63  198   901173    49.02 ng       93
 64) n-Nitrosodiphenylamine            18.60  169  2598100    52.78 ng       98
 65) 4-Bromophenyl-phenylether         19.51  248  1700429    50.69 ng       94
 66) Hexachlorobenzene                 19.83  284  1649912    51.14 ng       98
 67) Atrazine                          20.35  200  1176496    54.63 ng       97
 68) Pentachlorophenol                 20.48  266  1097488    47.09 ng       98
 69) Phenanthrene                      20.75  178  5714733    50.49 ng       98
 70) Anthracene                        20.88  178  5825656    51.18 ng       97
 71) Carbazole                         21.47  167  4976883    49.31 ng       98
 72) Di-n-butylphthalate               22.69  149  7557456    50.68 ng       99
 73) Fluoranthene                      24.06  202  7192980    50.91 ng       99
 75) Benzidine                         24.64  184   756655m   49.42 ng
 76) Pyrene                            24.67  202  7549453    49.86 ng       98
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

8/15/00

8/15/00

```
                           Quantitation Report    (QT Reviewed)

 Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D             Vial: 5
 Acq On    : 14 Aug 2000   1:04 pm                      Operator: SJT
 Sample    : 50ng BNA ICC                               Inst    : BNARTE
 Misc      :                                            Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 15 14:25 2000                 Quant Results File: BK0715C.RES

 Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
 Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update  : Mon Jul 17 17:42:32 2000
 Response via : Initial Calibration
 DataAcq Meth : B1_BNA

    Compound                           R.T. QIon  Response  Conc Unit   Qvalue
---------------------------------------------------------------------------------
 78) Butylbenzylphthalate             26.82  149  3849408     49.91 ng       100
 79) Benzo(a)anthracene               28.05  228  7627821     49.81 ng        99
 80) 3,3'-Dichlorobenzidine           28.16  252  2202282     47.21 ng        97
 81) Chrysene                         28.19  228  6111521     50.36 ng        98
 82) Bis(2-ethylhexyl)phthalate       28.49  149  5280301     49.50 ng        99
 83) Di-n-octyl phthalate             30.12  149  9648694     49.79 ng        99
 84) Indeno(1,2,3-cd)pyrene           34.62  276  6274450     51.42 ng  #     87
 86) Benzo(b)fluoranthene             30.91  252  9019863m    40.65 ng
 87) Benzo(k)fluoranthene             30.99  252  6283609m    72.52 ng
 88) Benzo(a)pyrene                   31.69  252  6789303     50.15 ng        99
 89) Dibenzo(a,h)anthracene           34.69  278  5372044     50.06 ng        99
 90) Benzo(g,h,i)perylene             35.43  276  4966341     50.17 ng        99
```

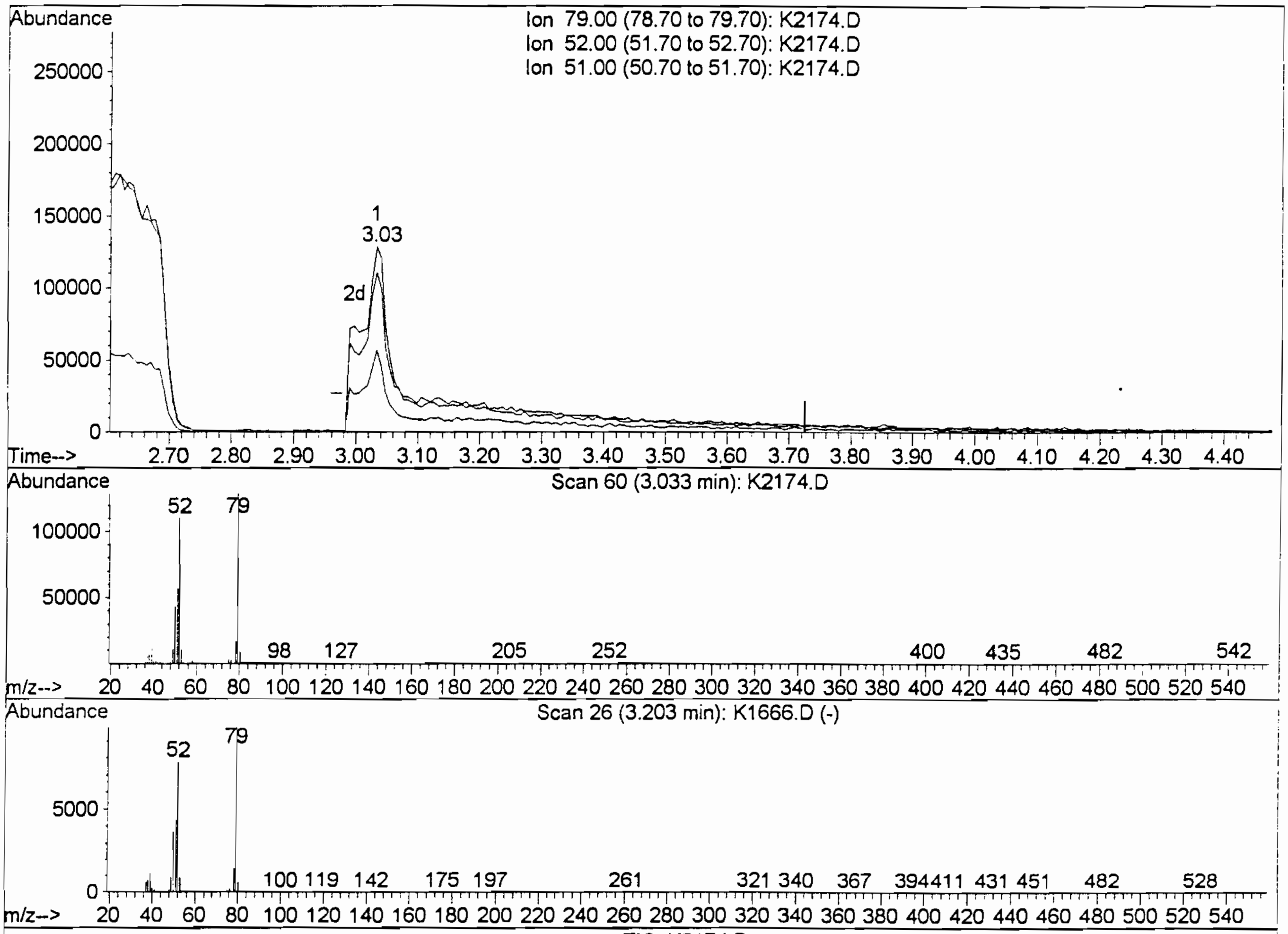
8/15/00

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

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D          Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                   Operator: SJT
Sample    : 50ng BNA ICC                            Inst    : BNARTE
Misc      :                                         Multiplr: 1.00
Quant Time: Aug 15 14:19 2000
Integration Params: rteint.p               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2174.D

(2) Pyridine ( )

3.03min 49.75ng m

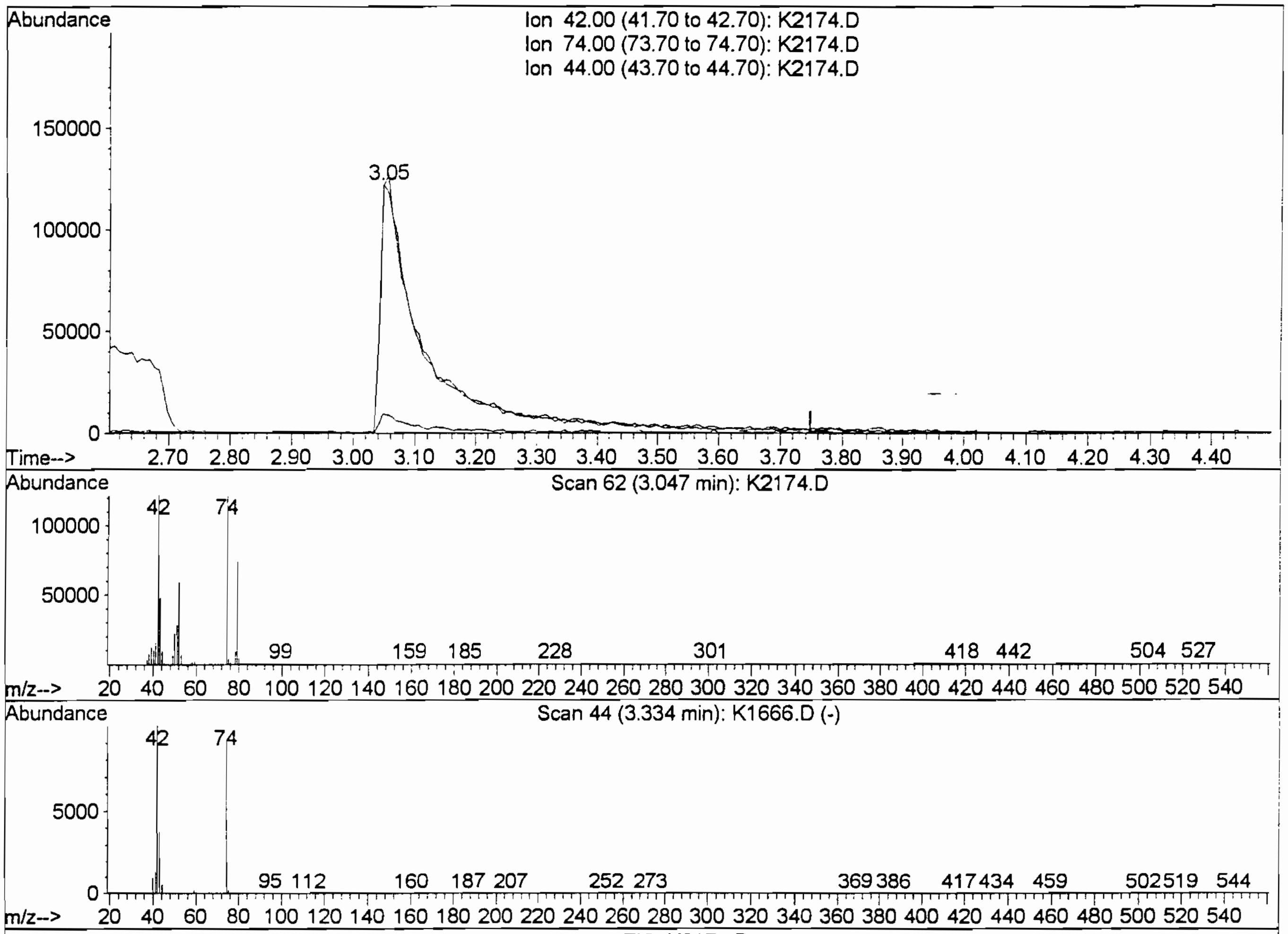
response 980844

Ion	Exp%	Act%
79.00	100	100
52.00	85.50	85.91
51.00	38.90	44.29
0.00	0.00	0.00

```
                          Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D              Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                      Operator: SJT
Sample    : 50ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
MSaintegmatiAngPa5ams:19te2000.p               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



```
                              TIC: K2174.D

(3) n-Nitrosodimethylamine ( )

3.05min  50.18ng  m

response  709109

 Ion      Exp%    Act%

42.00    100      100

74.00     92.70    99.46

44.00      7.20     7.68

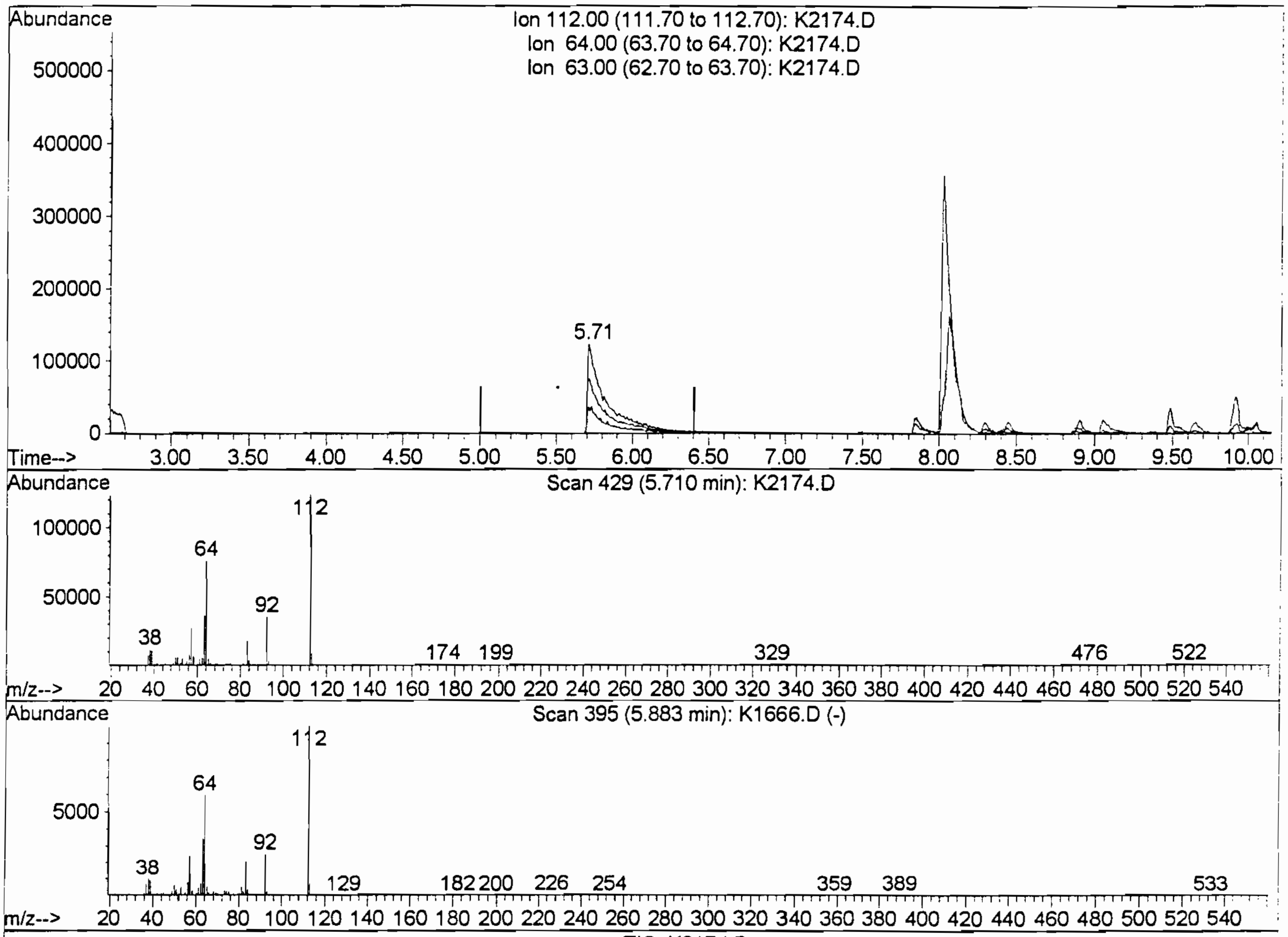
 0.00     0.00     0.00
```

064

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D                Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                        Operator: SJT
Sample    : 50ng BNA ICC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:20 2000               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2174.D

(4) 2-Fluorophenol (S)

5.71min 48.94ng m

response 1077370

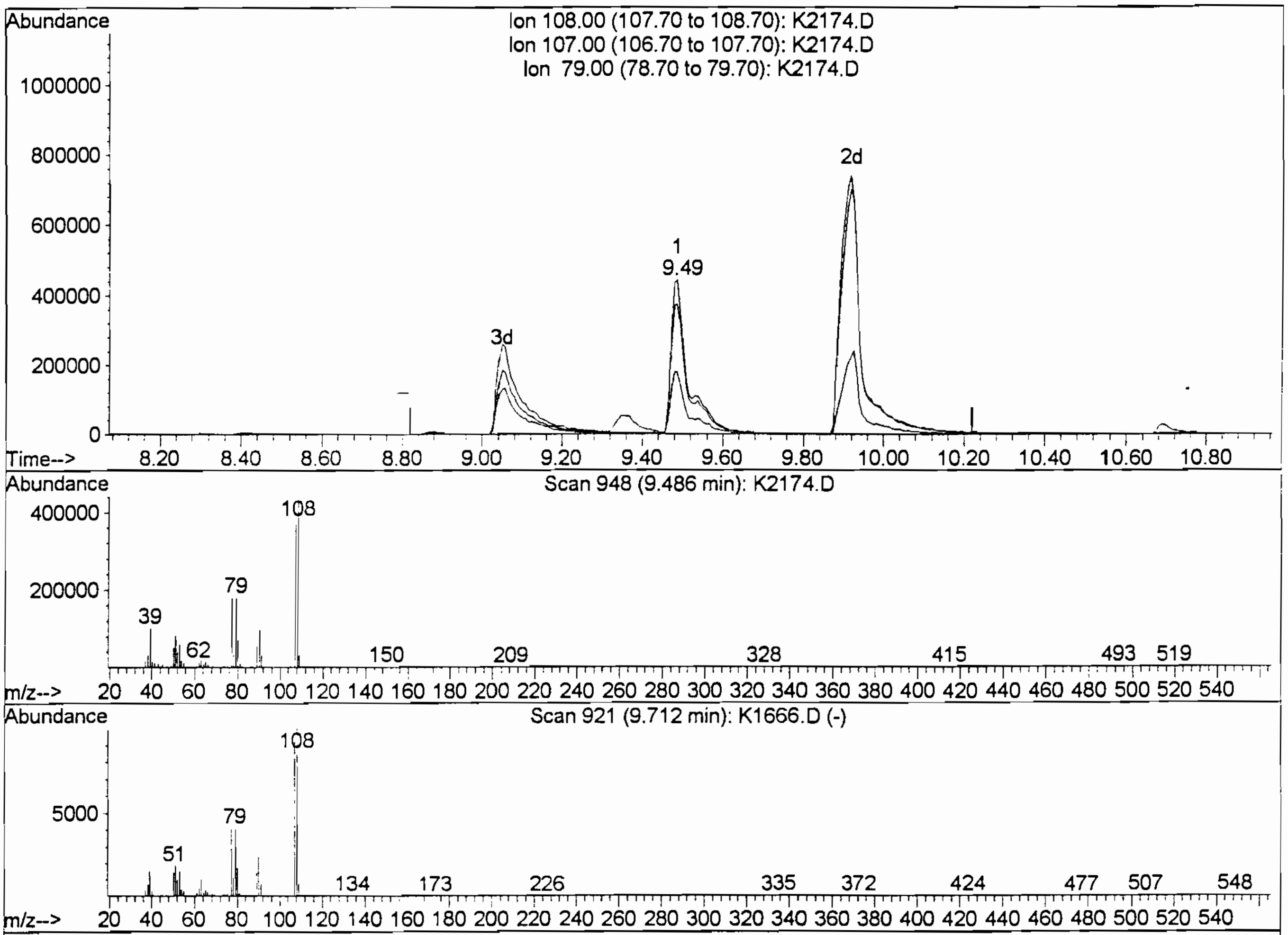
Ion	Exp%	Act%
112.00	100	100
64.00	62.70	61.52
63.00	31.70	29.52
0.00	0.00	0.00

065

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D              Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                      Operator: SJT
Sample    : 50ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
ØSañntEgmetiAngPā5amś:2θtêθñθ.p              Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



TIC: K2174.D

(18) 2-Methylphenol

9.49min 49.39ng m

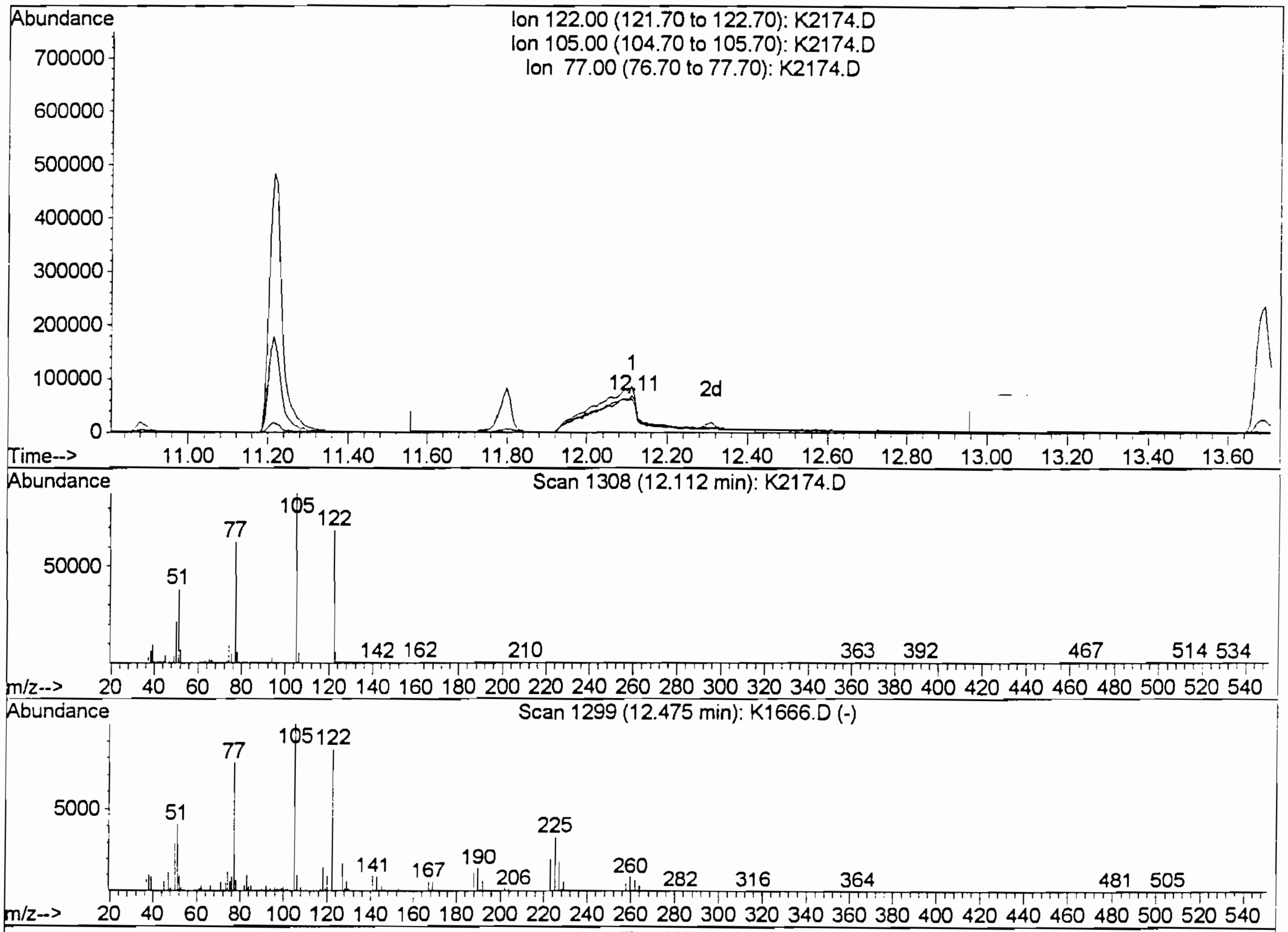
response 1328144

Ion	Exp%	Act%
108.00	100	100
107.00	88.10	84.54
79.00	43.80	40.55
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D              Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                      Operator: SJT
Sample    : 50ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 15 14:21 2000            Quant Results File: temp.res
Integration Params: rteint.p

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2174.D

(33) Benzoic acid

12.11min 50.01ng m

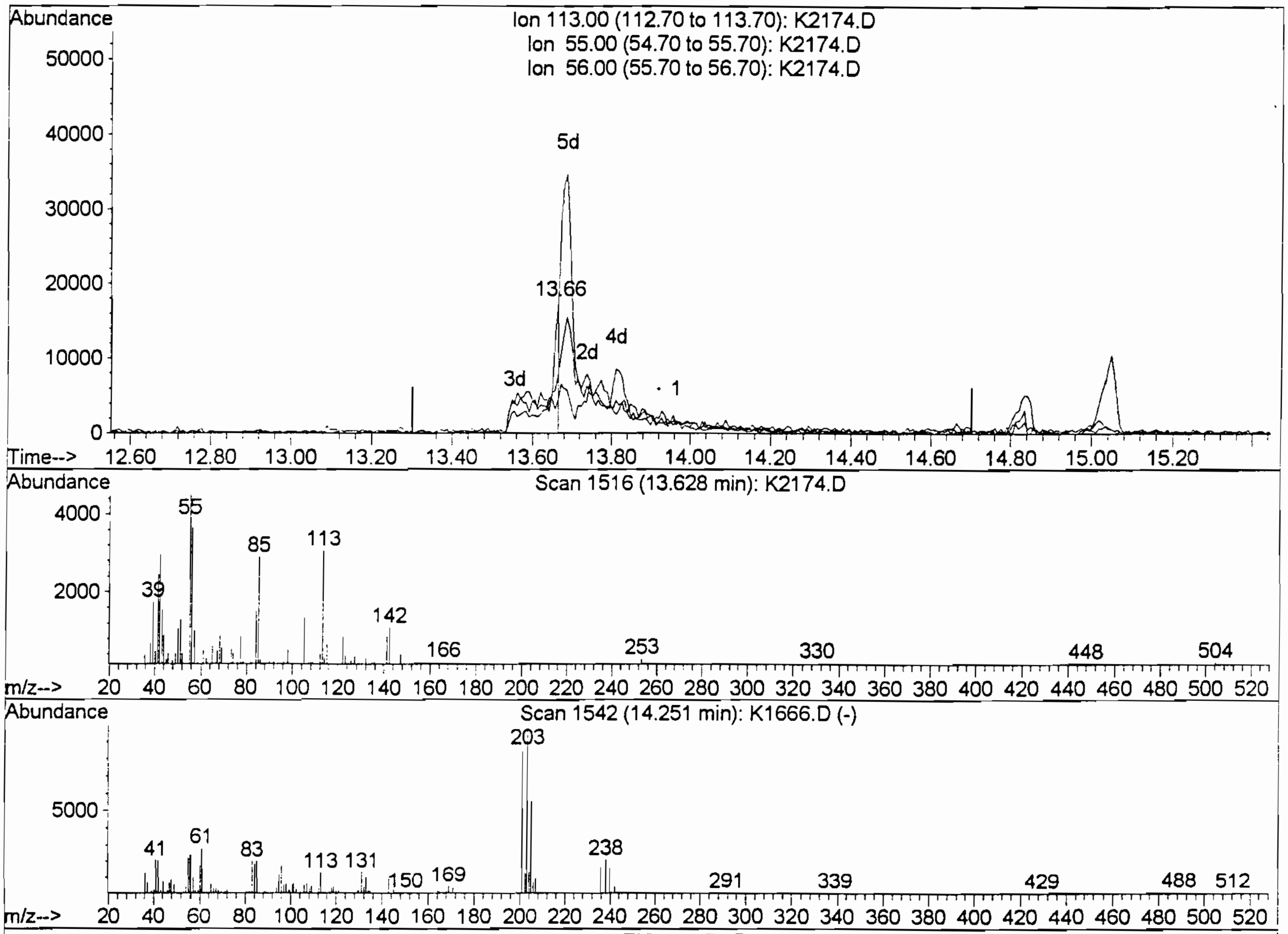
response 737251

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	127.69
77.00	94.20	91.18
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D               Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                       Operator: SJT
Sample    : 50ng BNA ICC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Quant Time: Aug 15 14:22 2000
Integration Params: rteint.p                  Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2174.D

(36) Caprolactam

13.66min 52.92ng m

response 33053

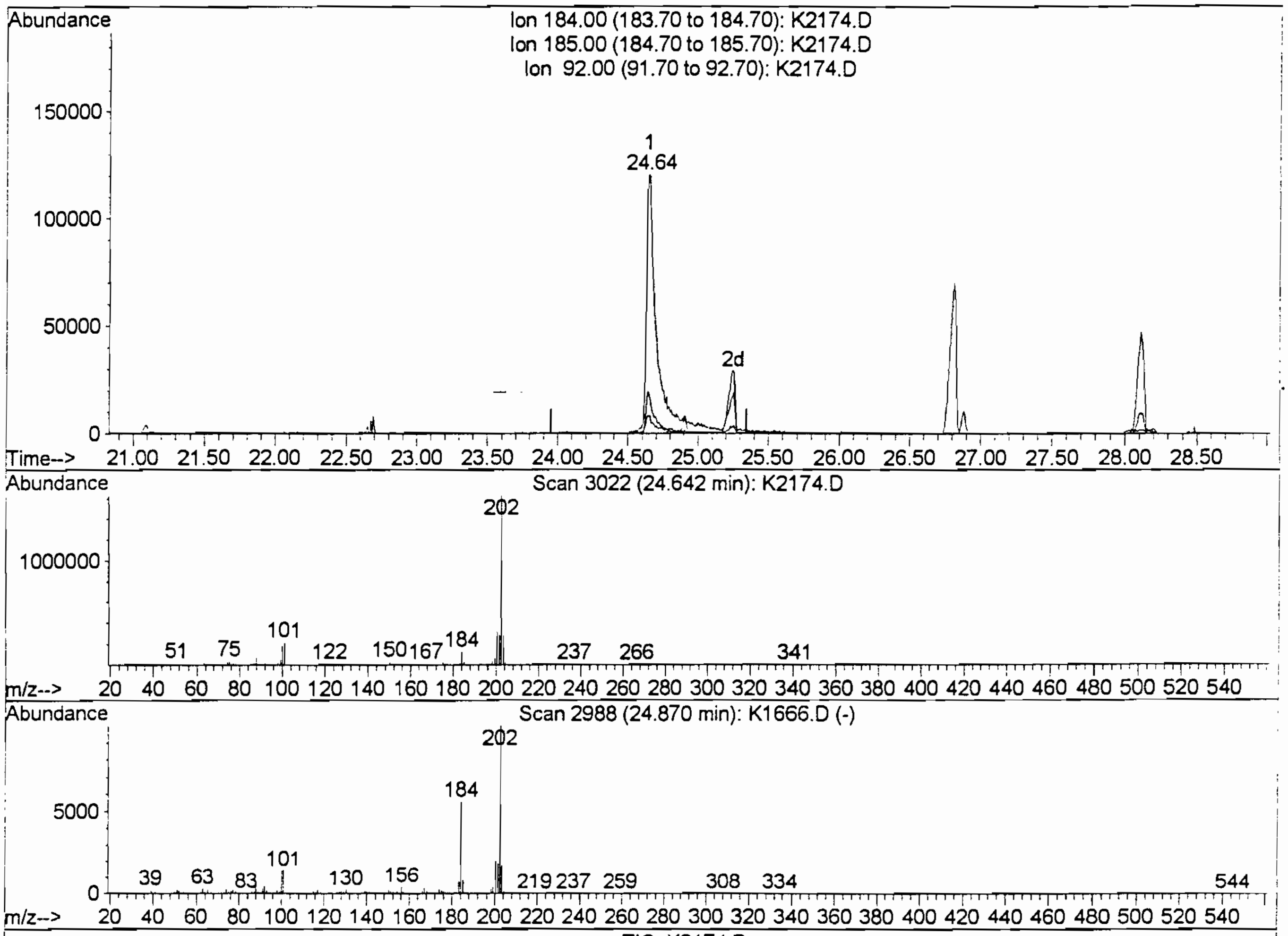
Ion	Exp%	Act%
113.00	100	100
55.00	168.90	45.43#
56.00	115.20	25.63
0.00	0.00	0.00

068

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D              Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                      Operator: SJT
Sample    : 50ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:24 2000                 Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2174.D

(75) Benzidine

24.64min 49.42ng m

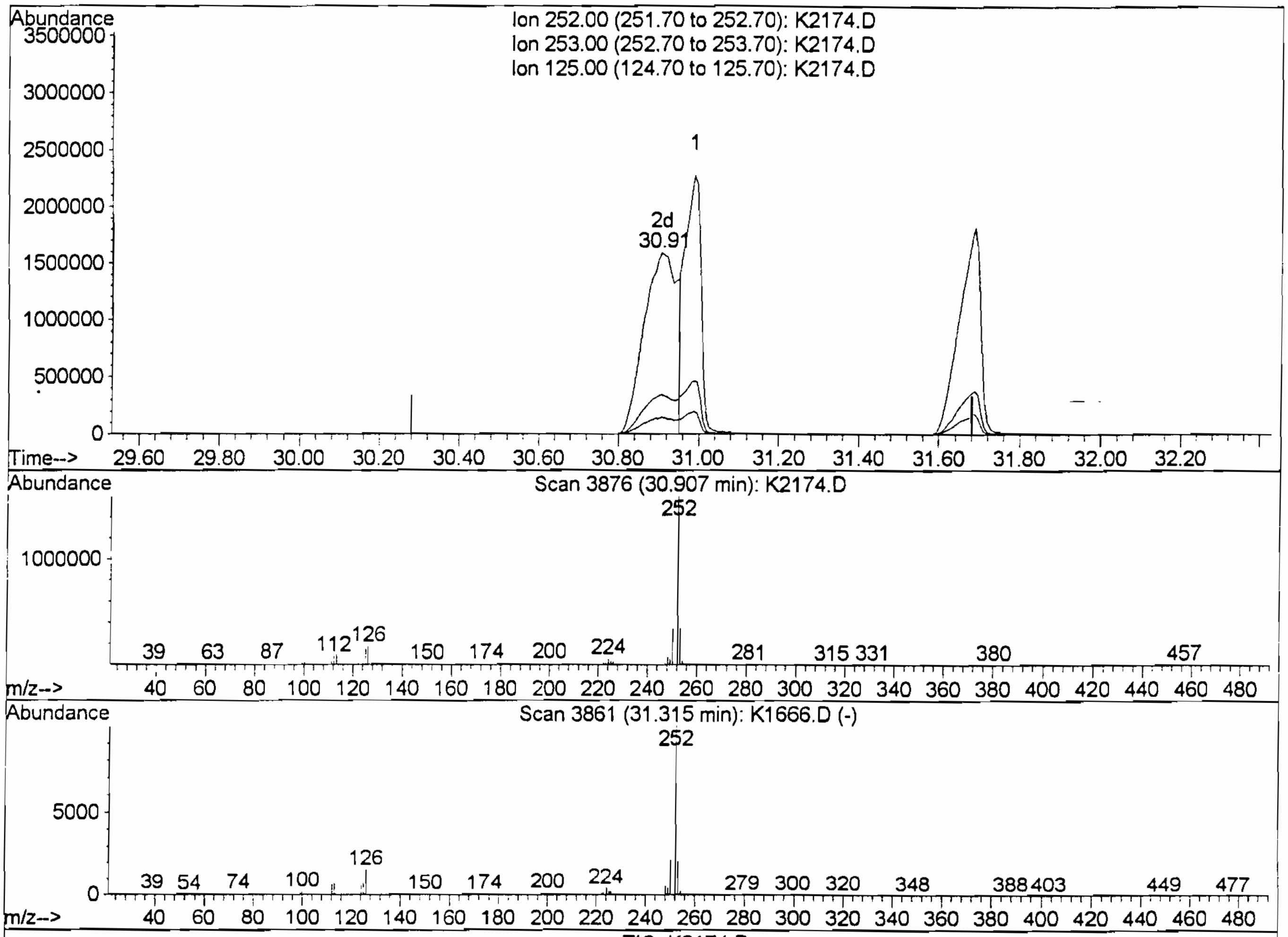
response 756655

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	16.14
92.00	7.70	6.76
0.00	0.00	0.00

```
                              Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D                Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                        Operator: SJT
Sample    : 50ng BNA ICC                                 Inst     : BNARTE
Misc      :                                              Multiplr: 1.00
Q8antTgmetiAngPa5ams:25t2000.p                   Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2174.D

(86) Benzo(b)fluoranthene

30.91min 40.65ng m

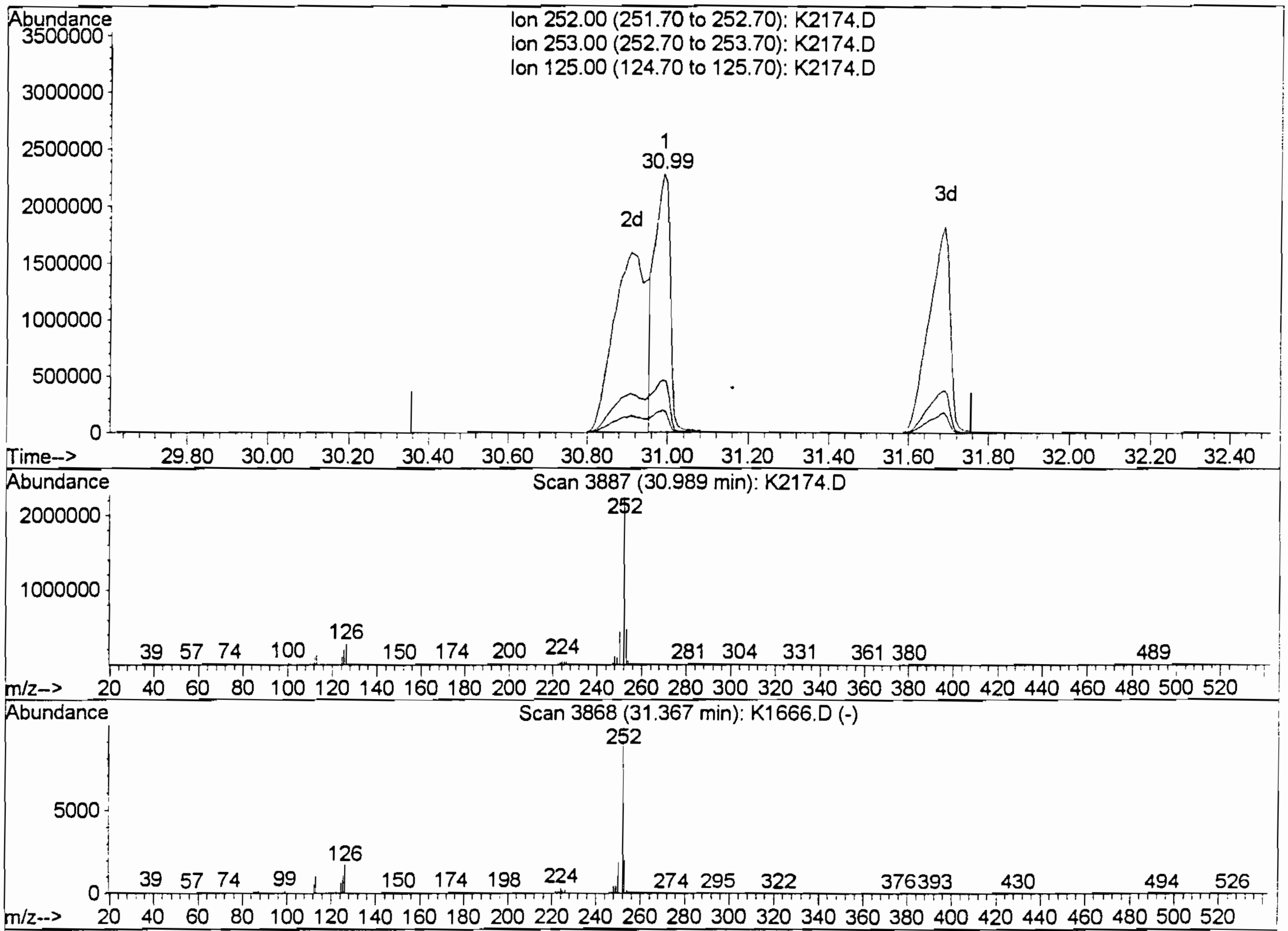
response 9019863

Ion	Exp%	Act%
252.00	100	100
253.00	20.70	21.59
125.00	8.50	9.34
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2174.D              Vial: 5
Acq On    : 14 Aug 2000   1:04 pm                       Operator: SJT
Sample    : 50ng BNA ICC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:25 2000                  Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



TIC: K2174.D

(87) Benzo(k)fluoranthene

30.99min 72.52ng m

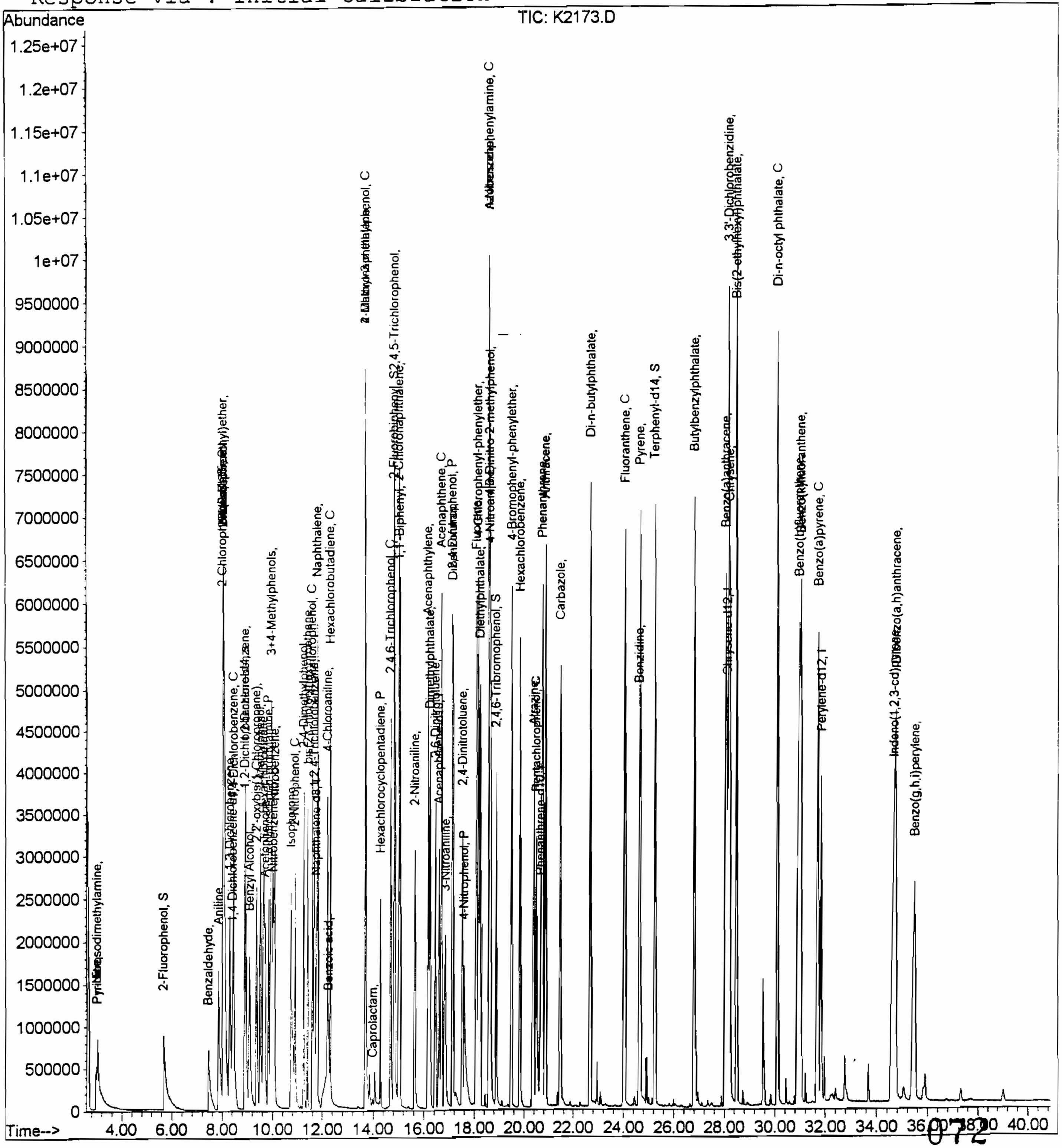
response 6283609

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	20.40
125.00	8.20	8.76
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D          Vial: 4
Acq On    : 14 Aug 2000  12:15 pm                  Operator: SJT
Sample    : 80ng BNA ICC                           Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:15 2000             Quant Results File: BK0715C.RES

Method       : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update  : Mon Jul 17 17:42:32 2000
Response via : Initial Calibration
```



```
                         Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D              Vial: 4
  Acq On    : 14 Aug 2000  12:15 pm                       Operator: SJT
  Sample    : 80ng BNA ICC                                Inst     : BNARTE
  Misc      :                                             Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:15 2000                   Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

Internal Standards                          R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4                 8.42  152   690409    40.00 ng     0.00
 22) Naphthalene-d8                        11.76  136  2924690    40.00 ng     0.00
 39) Acenaphthene-d10                      16.60  164  2146989    40.00 ng     0.00
 62) Phenanthrene-d10                      20.68  188  4863163    40.00 ng     0.00
 74) Chrysene-d12                          28.14  240  5417003    40.00 ng     0.00
 85) Perylene-d12                          31.86  264  5507700    40.00 ng     0.00

System Monitoring Compounds
  4) 2-Fluorophenol                         5.70  112  1790437m   79.99 ng     0.00
  6) Phenol-d5                              8.05   99  2509969    79.99 ng     0.00
 11) 2-Chlorophenol-d4                      8.03  132  1988230    79.99 ng     0.00
 14) 1,2-Dichlorobenzene-d4                 8.88  152  1239780    79.99 ng     0.00
 24) Nitrobenzene-d5                       10.02   82  2103331    80.00 ng     0.00
 41) 2,4,6-Tribromophenol                  18.91  330  1607598    80.00 ng     0.00
 44) 2-Fluorobiphenyl                      14.87  172  5743556    80.00 ng     0.00
 77) Terphenyl-d14                         25.28  244  9404189    80.00 ng     0.00

Target Compounds                                                            Qvalue
  2) Pyridine                               3.03   79  1627101m   81.17 ng
  3) n-Nitrosodimethylamine                 3.05   42  1151640m   80.15 ng
  5) Aniline                                7.86   93  2681977    79.99 ng      100
  7) 2-Chlorophenol                         8.08  128  1921546    79.99 ng      100
  8) Benzaldehyde                           7.46   77   852550    79.99 ng      100
  9) Phenol                                 8.08   94  2658998    79.99 ng      100
 10) bis(2-Chloroethyl)ether                8.04   93  2116415    79.99 ng      100
 12) 1,3-Dichlorobenzene                    8.31  146  2170741    79.99 ng      100
 13) 1,4-Dichlorobenzene                    8.45  146  2337775    79.99 ng      100
 15) 1,2-Dichlorobenzene                    8.92  146  2137862    79.99 ng      100
 16) Benzyl Alcohol                         9.09  108  1394944    79.99 ng      100
 17) 2,2'-oxybis(1-Chloropropan             9.37   45  4027683    79.99 ng      100
 18) 2-Methylphenol                         9.52  108  2186793    79.99 ng      100
 19) Hexachloroethane                       9.63  117   876703    79.99 ng      100
 20) n-Nitroso-di-n-propylamine             9.85   70  1540976    79.99 ng      100
 21) 3+4-Methylphenols                      9.96  107  4428914    79.99 ng      100
 23) Acetophenone                           9.71  105  2917545    80.00 ng      100
 25) Nitrobenzene                          10.09   77  2408288    80.00 ng      100
 26) Isophorone                            10.73   82  5018029    80.00 ng      100
 27) 2-Nitrophenol                         10.90  139  1278095    80.00 ng      100
 28) 2,4-Dimethylphenol                    11.25  122  1701021    80.00 ng      100
 29) bis(2-Chloroethoxy)methane            11.42   93  2811364    80.00 ng      100
 30) 2,4-Dichlorophenol                    11.60  162  2064427    80.00 ng      100
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2173.D  BK0715C.M      Tue Aug 15 14:17:14 2000       RPT1                Page 1
```

SJT 8/15/00

```
                     Quantitation Report    (QT Reviewed)

 Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D          Vial: 4
 Acq On    : 14 Aug 2000  12:15 pm                  Operator: SJT
 Sample    : 80ng BNA ICC                           Inst    : BNARTE
 Misc      :                                        Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 15 14:15 2000             Quant Results File: BK0715C.RES

 Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
 Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update  : Mon Jul 17 17:42:32 2000
 Response via : Initial Calibration
 DataAcq Meth : B1_BNA

    Compound                        R.T.  QIon  Response  Conc Unit   Qvalue
-------------------------------------------------------------------------------
 31) 1,2,4-Trichlorobenzene         11.67  180   2178522   80.00 ng      100
 32) Naphthalene                    11.82  128   6175814   80.00 ng      100
 33) Benzoic acid                   12.26  122   1272260m  80.91 ng
 34) 4-Chloroaniline                12.21  127   2322001   80.00 ng      100
 35) Hexachlorobutadiene            12.32  225   1353480   80.00 ng      100
 36) Caprolactam                    14.00  113     54244m  81.41 ng
 37) 4-Chloro-3-methylphenol        13.71  107   2260409   80.00 ng      100
 38) 2-Methylnaphthalene            13.70  142   6069699   80.00 ng      100
 40) Hexachlorocyclopentadiene      14.29  237    834600   80.00 ng      100
 42) 2,4,6-Trichlorophenol          14.70  196   1852405   80.00 ng      100
 43) 2,4,5-Trichlorophenol          14.84  196   1877016   80.00 ng      100
 45) 1,1'-Biphenyl                  15.07  154   4407277   80.00 ng      100
 46) 2-Chloronaphthalene            15.04  162   4611966   80.00 ng      100
 47) 2-Nitroaniline                 15.64   65   1928400   80.00 ng      100
 48) Acenaphthylene                 16.17  152   6546615   80.00 ng      100
 49) Dimethylphthalate              16.26  163   6262301   80.00 ng      100
 50) 2,6-Dinitrotoluene             16.47  165   1590150   80.00 ng      100
 51) Acenaphthene                   16.72  154   4383616   80.00 ng      100
 52) 3-Nitroaniline                 16.85  138   1682251   80.00 ng      100
 53) 2,4-Dinitrophenol              17.14  184   1152402   80.00 ng      100
 54) Dibenzofuran                   17.17  168   7281200   80.00 ng      100
 55) 4-Nitrophenol                  17.61  139   1418925   80.00 ng      100
 56) 2,4-Dinitrotoluene             17.55  165   2525825   80.00 ng      100
 57) Fluorene                       18.12  166   6037584   80.00 ng      100
 58) Diethylphthalate               18.27  149   6279160   80.00 ng      100
 59) 4-Chlorophenyl-phenylether     18.20  204   3183602   80.00 ng      100
 60) 4-Nitroaniline                 18.68  138   1446182   80.00 ng      100
 61) Azobenzene                     18.62   77   6653391   80.00 ng      100
 63) 4,6-Dinitro-2-methylphenol     18.67  198   1571932   80.00 ng      100
 64) n-Nitrosodiphenylamine         18.63  169   4208319   80.00 ng      100
 65) 4-Bromophenyl-phenylether      19.54  248   2868176   80.00 ng      100
 66) Hexachlorobenzene              19.87  284   2758632   80.00 ng      100
 67) Atrazine                       20.41  200   1841248   80.00 ng      100
 68) Pentachlorophenol              20.51  266   1992558   80.00 ng      100
 69) Phenanthrene                   20.79  178   9677743   80.00 ng      100
 70) Anthracene                     20.91  178   9732136   80.00 ng      100
 71) Carbazole                      21.51  167   8629216   80.00 ng      100
 72) Di-n-butylphthalate            22.72  149  12750521   80.00 ng      100
 73) Fluoranthene                   24.10  202  12081051   80.00 ng      100
 75) Benzidine                      24.65  184   1281902   80.00 ng      100
 76) Pyrene                         24.71  202  12677308   80.00 ng      100
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

8/15/00

```
                        Quantitation Report     (QT Reviewed)

Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D             Vial: 4
Acq On    : 14 Aug 2000  12:15 pm                     Operator: SJT
Sample    : 80ng BNA ICC                              Inst    : BNARTE
Misc      :                                           Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:15 2000                Quant Results File: BK0715C.RES

Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update  : Mon Jul 17 17:42:32 2000
Response via : Initial Calibration
DataAcq Meth : B1_BNA

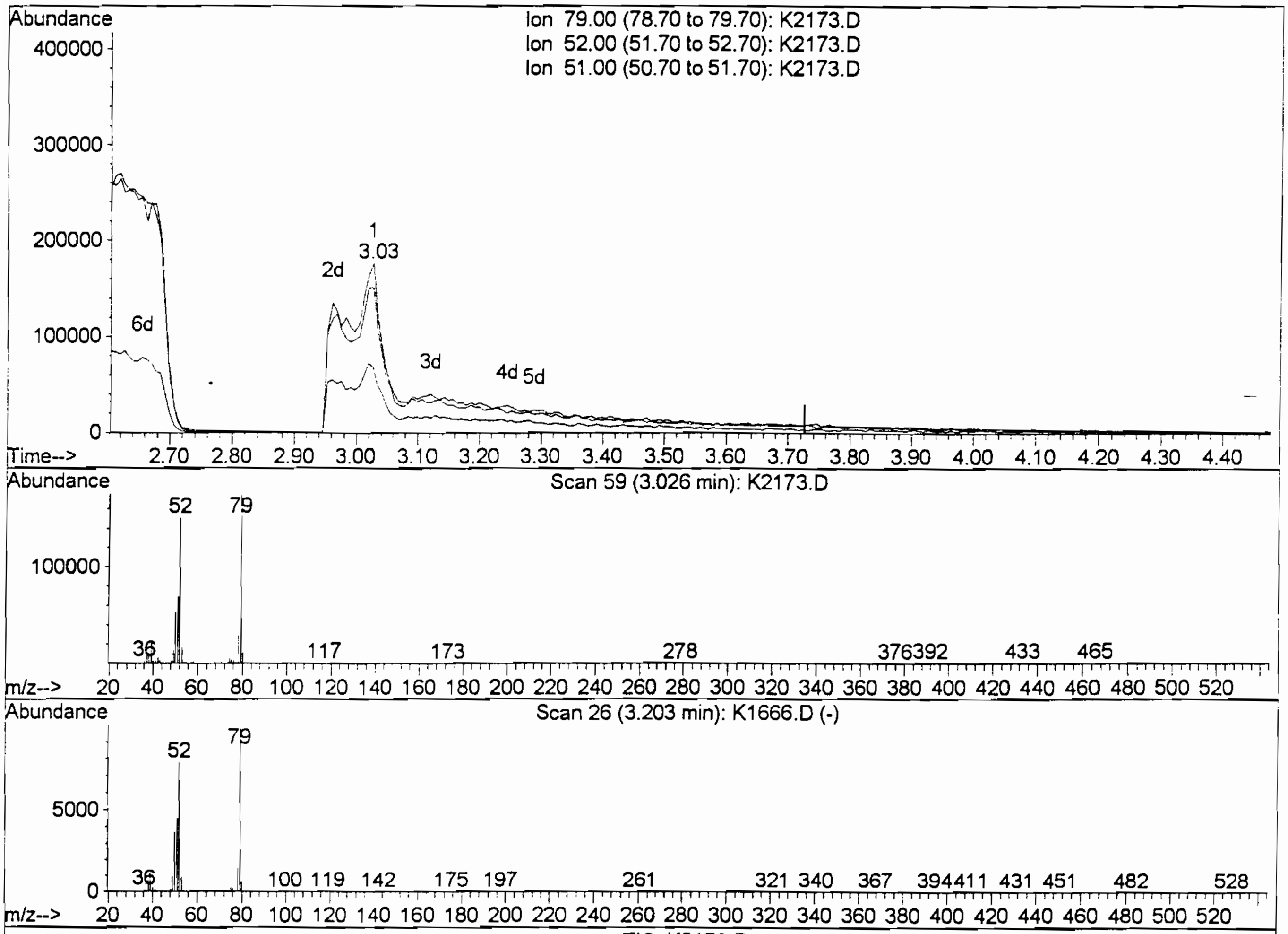

    Compound                         R.T.  QIon  Response  Conc Unit   Qvalue
---------------------------------------------------------------------------

 78) Butylbenzylphthalate           26.84  149   6457837    80.00 ng      100
 79) Benzo(a)anthracene             28.09  228 12820600    80.00 ng      100
 80) 3,3'-Dichlorobenzidine         28.20  252   3905819    80.00 ng      100
 81) Chrysene                       28.24  228 10160572    80.00 ng      100
 82) Bis(2-ethylhexyl)phthalate     28.52  149   8931055    80.00 ng      100
 83) Di-n-octyl phthalate           30.14  149 16224776    80.00 ng      100
 84) Indeno(1,2,3-cd)pyrene         34.69  276 10216771    80.00 ng      100
 86) Benzo(b)fluoranthene           30.98  252 18208339    80.00 ng      100
 87) Benzo(k)fluoranthene           31.06  252   7109928    80.00 ng      100
 88) Benzo(a)pyrene                 31.74  252 11109739    80.00 ng      100
 89) Dibenzo(a,h)anthracene         34.77  278   8805337    80.00 ng      100
 90) Benzo(g,h,i)perylene           35.51  276   8123736    80.00 ng      100
```

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D              Vial: 4
Acq On    : 14 Aug 2000  12:15 pm                      Operator: SJT
Sample    : 80ng BNA ICC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Q8antTgmatiAngPa5ams:13t2000.p               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2173.D

(2) Pyridine ( )

3.03min 81.17ng m

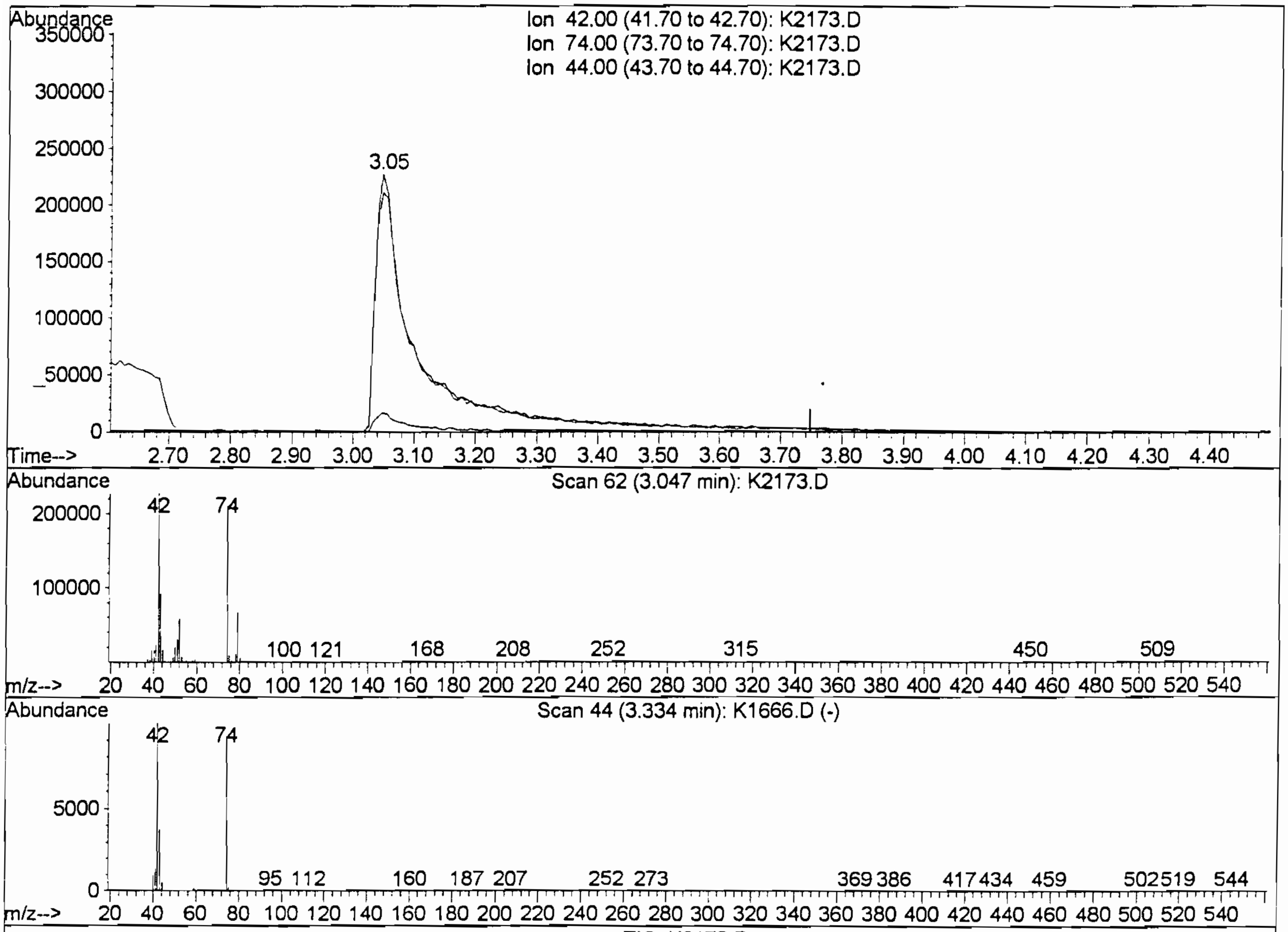
response 1627101

Ion	Exp%	Act%
79.00	100	100
52.00	85.50	85.47
51.00	38.90	38.91
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D                Vial: 4
Acq On    : 14 Aug 2000   12:15 pm                        Operator: SJT
Sample    : 80ng BNA ICC                                  Inst    : BNARTE
Misc      :                                               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:13 2000               Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



TIC: K2173.D

(3) n-Nitrosodimethylamine ( )

3.05min 80.15ng m

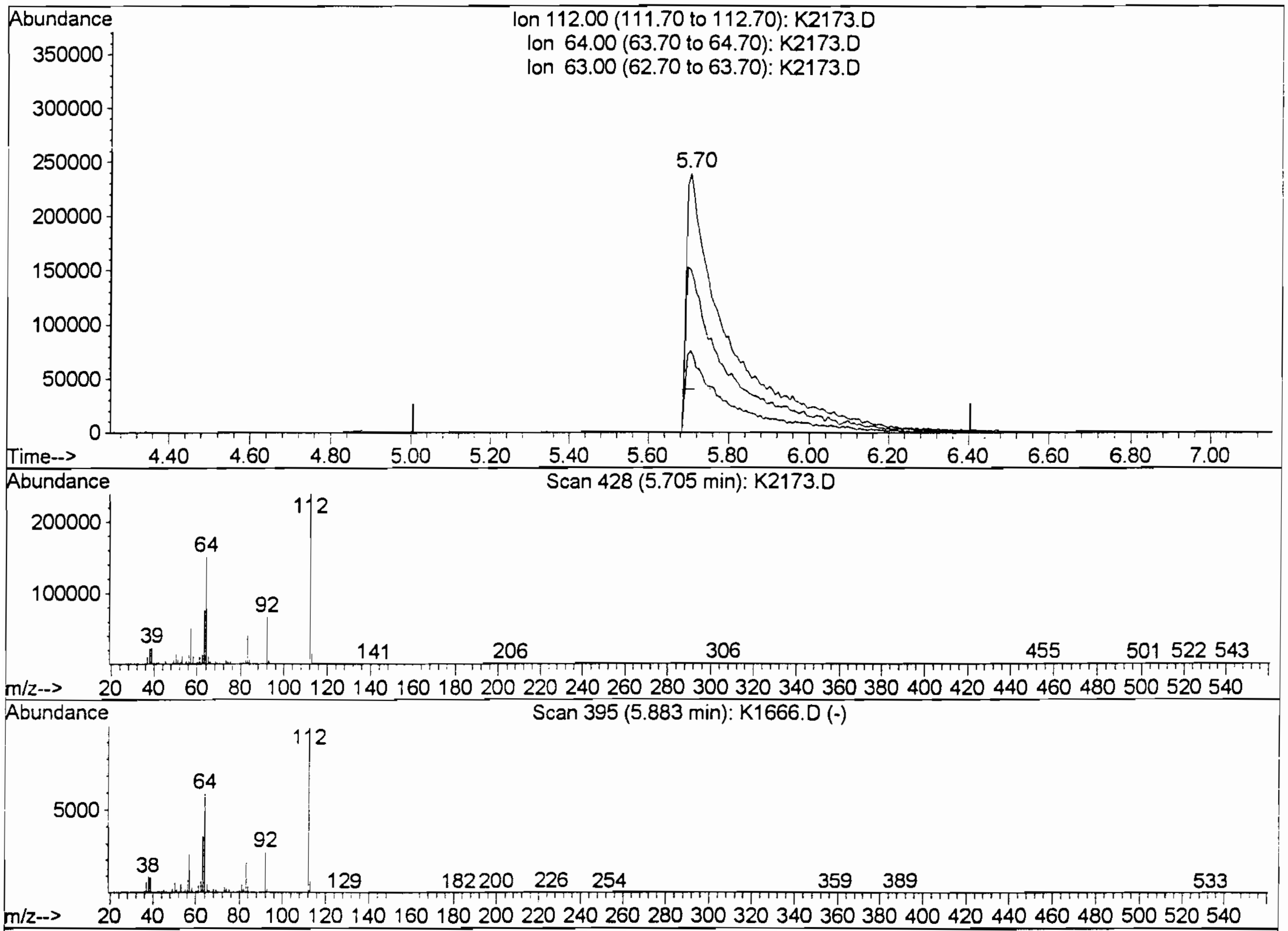
response 1151640

Ion	Exp%	Act%
42.00	100	100
74.00	92.70	92.71
44.00	7.20	7.25
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D              Vial: 4
Acq On    : 14 Aug 2000   12:15 pm                      Operator: SJT
Sample    : 80ng BNA ICC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Q8anntegmetiAngPa5ams:13te2000.p              Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2173.D

(4) 2-Fluorophenol (S)

5.70min 79.99ng m

response 1790437

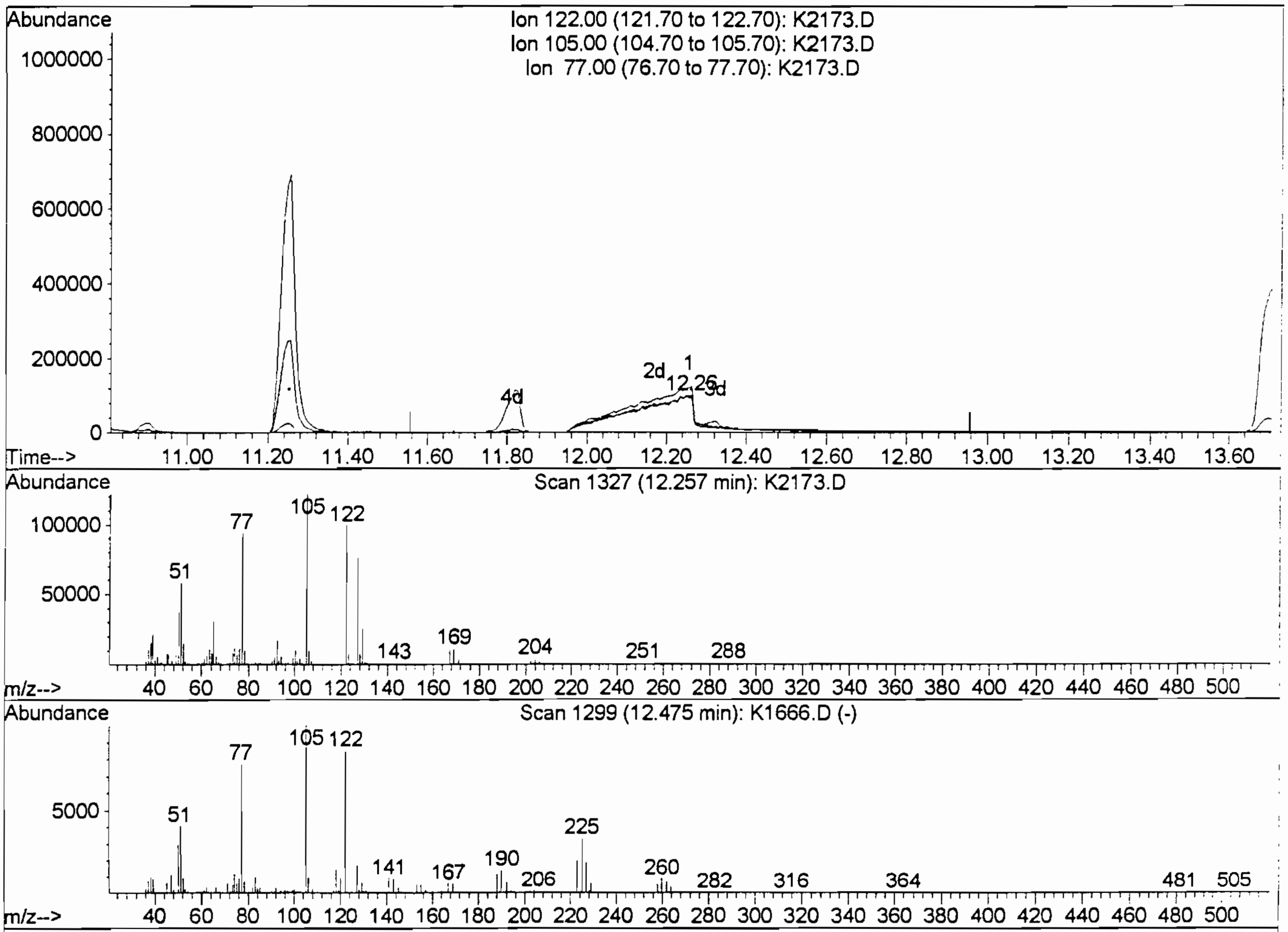
Ion	Exp%	Act%
112.00	100	100
64.00	62.70	62.75
63.00	31.70	31.67
0.00	0.00	0.00

078

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D              Vial: 4
Acq On    : 14 Aug 2000  12:15 pm                       Operator: SJT
Sample    : 80ng BNA ICC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Q8aIntegmatiAngPa5ams:15te2000.p                   Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2173.D

(33) Benzoic acid

12.26min 80.91ng m

response 1272260

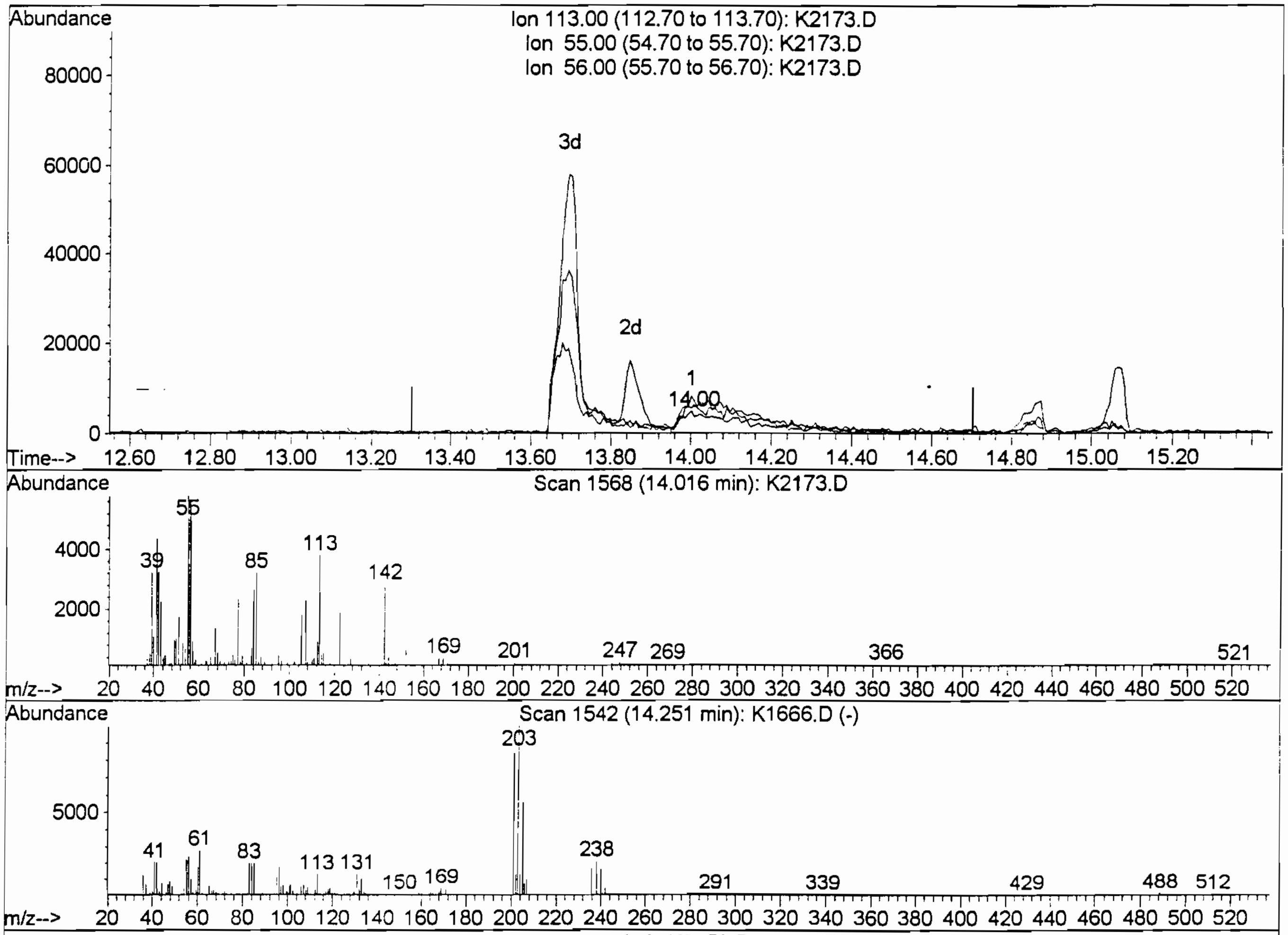
Ion	Exp%	Act%
122.00	100	100
105.00	122.90	122.89
77.00	94.20	94.20
0.00	0.00	0.00

079

```
                              Quantitation Report

  Data File : H:\HPCHEM\1\DATA\BK081400\K2173.D               Vial: 4
  Acq On    : 14 Aug 2000  12:15 pm                       Operator: SJT
  Sample    : 80ng BNA ICC                                Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  MSanntEgmatiAngPa5ams:15te000.p                 Quant Results File: temp.res

  Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update    : Mon Jul 17 17:42:02 2000
  Response via   : Single Level Calibration
```



TIC: K2173.D

(36) Caprolactam

14.00min 81.41ng m

response 54244

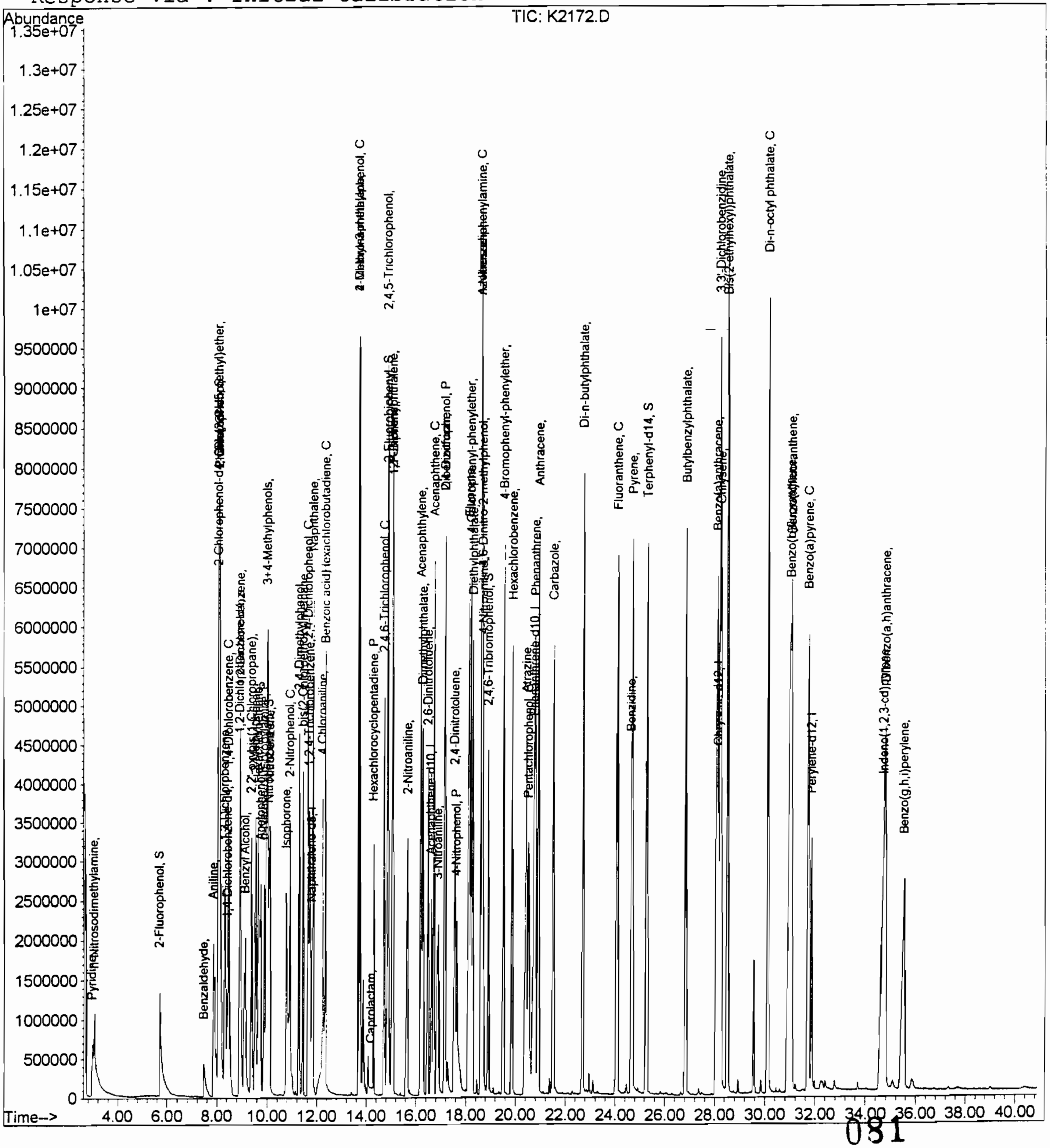
Ion	Exp%	Act%
113.00	100	100
55.00	168.90	168.90
56.00	115.20	115.15
0.00	0.00	0.00

080

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D              Vial: 3
Acq On    : 14 Aug 2000   11:25 am                      Operator: SJT
Sample    : 120ng BNA ICC                               Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:11 2000                   Quant Results File: BK0715C.RES

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:32 2000
Response via  : Initial Calibration
```



081

```
                         Quantitation Report    (QT Reviewed)

 Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D            Vial: 3
 Acq On    : 14 Aug 2000  11:25 am                    Operator: SJT
 Sample    : 120ng BNA ICC                            Inst    : BNARTE
 Misc      :                                          Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 15 14:11 2000              Quant Results File: BK0715C.RES

 Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
 Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update  : Mon Jul 17 17:42:32 2000
 Response via : Initial Calibration
 DataAcq Meth : B1_BNA

Internal Standards                     R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4            8.42  152   591184    40.00 ng      0.00
 22) Naphthalene-d8                   11.77  136  2442946    40.00 ng      0.01
 39) Acenaphthene-d10                 16.60  164  1781136    40.00 ng      0.00
 62) Phenanthrene-d10                 20.74  188  3865522m   40.00 ng      0.07
 74) Chrysene-d12                     28.14  240  4031107    40.00 ng      0.00
 85) Perylene-d12                     31.87  264  4132204    40.00 ng      0.01

System Monitoring Compounds
  4) 2-Fluorophenol                    5.71  112  2355867m  122.92 ng      0.00
  6) Phenol-d5                         8.08   99  3147539   117.14 ng      0.02
 11) 2-Chlorophenol-d4                 8.04  132  2494668   117.20 ng      0.00
 14) 1,2-Dichlorobenzene-d4            8.89  152  1481337   111.61 ng      0.00
 24) Nitrobenzene-d5                  10.06   82  2555036   116.34 ng      0.04
 41) 2,4,6-Tribromophenol             18.93  330  1784541   107.05 ng      0.02
 44) 2-Fluorobiphenyl                 14.89  172  6873578   115.41 ng      0.02
 77) Terphenyl-d14                    25.30  244 10174475   116.31 ng      0.02
```

8/15/00

```
Target Compounds                                                        Qvalue
  2) Pyridine                          2.95   79  2157606m  125.70 ng
  3) n-Nitrosodimethylamine            3.05   42  1490165m  121.12 ng
  5) Aniline                           7.86   93  3581105   124.73 ng        98
  7) 2-Chlorophenol                    8.11  128  2383491   115.87 ng        99
  8) Benzaldehyde                      7.46   77   580043    63.55 ng        91
  9) Phenol                            8.11   94  3266638   114.76 ng        99
 10) bis(2-Chloroethyl)ether           8.06   93  2753806m  121.54 ng
 12) 1,3-Dichlorobenzene               8.31  146  2755112   118.56 ng        98
 13) 1,4-Dichlorobenzene               8.46  146  2923363   116.81 ng        99
 15) 1,2-Dichlorobenzene               8.92  146  2603528   113.76 ng        97
 16) Benzyl Alcohol                    9.12  108  1750214   117.20 ng        97
 17) 2,2'-oxybis(1-Chloropropan        9.37   45  5103963   118.37 ng        99
 18) 2-Methylphenol                    9.54  108  2729399   116.59 ng        99
 19) Hexachloroethane                  9.64  117  1073095   114.34 ng        96
 20) n-Nitroso-di-n-propylamine        9.87   70  1698547   102.96 ng        98
 21) 3+4-Methylphenols                 9.98  107  5498462   115.97 ng        97
 23) Acetophenone                      9.74  105  3629234   119.14 ng        99
 25) Nitrobenzene                     10.11   77  2905528   115.55 ng        98
 26) Isophorone                       10.75   82  6303403m  120.31 ng
 27) 2-Nitrophenol                    10.92  139  1632751   122.35 ng        98
 28) 2,4-Dimethylphenol               11.28  122  2315663   130.38 ng        98
 29) bis(2-Chloroethoxy)methane       11.43   93  3509681   119.57 ng        98
 30) 2,4-Dichlorophenol               11.62  162  2510176   116.46 ng        98
------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

```
                      Quantitation Report    (QT Reviewed)

Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D           Vial: 3
Acq On    : 14 Aug 2000  11:25 am                    Operator: SJT
Sample    : 120ng BNA ICC                            Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:11 2000               Quant Results File: BK0715C.RES

Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update  : Mon Jul 17 17:42:32 2000
Response via : Initial Calibration
DataAcq Meth : B1_BNA

   Compound                              R.T.  QIon  Response  Conc Unit    Qvalue
-----------------------------------------------------------------------------------
31) 1,2,4-Trichlorobenzene              11.67  180   2641957   116.15 ng        98
32) Naphthalene                         11.84  128   7527379   116.74 ng        98
33) Benzoic acid                        12.34  122   1605328m  122.22 ng
34) 4-Chloroaniline                     12.21  127   2552161   105.27 ng        96
35) Hexachlorobutadiene                 12.33  225   1507236   106.66 ng        99
36) Caprolactam                         14.18  113     65209m  117.16 ng
37) 4-Chloro-3-methylphenol             13.72  107   2680563   113.58 ng        90
38) 2-Methylnaphthalene                 13.71  142   7139810   112.66 ng        99
40) Hexachlorocyclopentadiene           14.31  237   1107500   127.96 ng        97
42) 2,4,6-Trichlorophenol               14.72  196   2147667   111.80 ng       100
43) 2,4,5-Trichlorophenol               14.86  196   2169905   111.48 ng        97
45) 1,1'-Biphenyl                       15.08  154   5142874   112.53 ng        99
46) 2-Chloronaphthalene                 15.05  162   5495750   114.91 ng        98
47) 2-Nitroaniline                      15.67   65   2373847   118.71 ng        99
48) Acenaphthylene                      16.19  152   7910549   116.52 ng        98
49) Dimethylphthalate                   16.28  163   7457661   114.84 ng        99
50) 2,6-Dinitrotoluene                  16.49  165   1903042   115.41 ng        92
51) Acenaphthene                        16.73  154   5309137   116.79 ng        99
52) 3-Nitroaniline                      16.89  138   1955152m  112.08 ng
53) 2,4-Dinitrophenol                   17.17  184   1353096   113.23 ng        89
54) Dibenzofuran                        17.18  168   8471585   112.20 ng        99
55) 4-Nitrophenol                       17.65  139   1781688   121.09 ng        98
56) 2,4-Dinitrotoluene                  17.58  165   3030928   115.72 ng        99
57) Fluorene                            18.14  166   7170255   114.52 ng        97
58) Diethylphthalate                    18.30  149   7396177   113.59 ng        99
59) 4-Chlorophenyl-phenylether          18.21  204   3768272   114.14 ng        98
60) 4-Nitroaniline                      18.72  138   1820499   121.39 ng        97
61) Azobenzene                          18.64   77   8189235   118.69 ng        98
63) 4,6-Dinitro-2-methylphenol          18.69  198   1819800   116.52 ng
64) n-Nitrosodiphenylamine              18.64  169   4902597   117.25 ng
65) 4-Bromophenyl-phenylether           19.55  248   3281033   115.13 ng
66) Hexachlorobenzene                   19.88  284   3094243   112.89 ng
67) Atrazine                            20.45  200   2260121   123.54 ng
68) Pentachlorophenol                   20.53  266   2292944   115.82 ng
69) Phenanthrene                        20.80  178  11224796   116.74 ng
70) Anthracene                          20.94  178  11349633   117.37 ng
71) Carbazole                           21.52  167  10179899   118.73 ng
72) Di-n-butylphthalate                 22.73  149  14420694   113.83 ng
73) Fluoranthene                        24.11  202  13303393   110.83 ng
75) Benzidine                           24.65  184   1486269m  124.64 ng
76) Pyrene                              24.72  202  13834936   117.32 ng        99
-----------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2172.D  BK0715C.M     Tue Aug 15 14:11:53 2000      RPT1                Page 2
```

8/15/00

```
                              Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D              Vial: 3
  Acq On    : 14 Aug 2000  11:25 am                      Operator: SJT
  Sample    : 120ng BNA ICC                              Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:11 2000                 Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

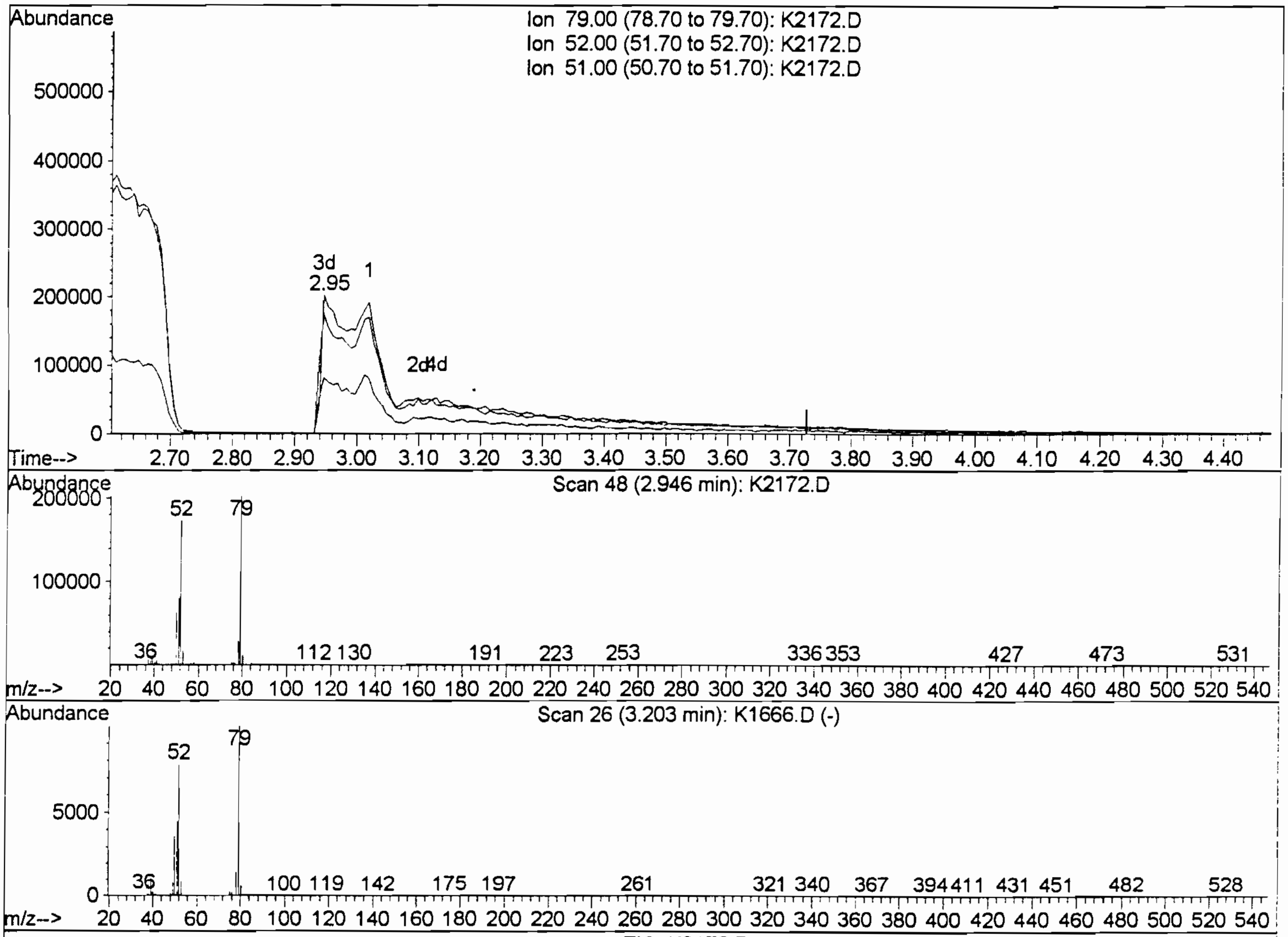
     Compound                           R.T. QIon  Response  Conc Unit   Qvalue
---------------------------------------------------------------------------------
 78) Butylbenzylphthalate              26.86  149  7260226   120.86 ng       95
 79) Benzo(a)anthracene                28.11  228 14183133   118.93 ng      100
 80) 3,3'-Dichlorobenzidine            28.23  252  3821164   105.17 ng       98
 81) Chrysene                          28.26  228 11197977   118.48 ng       98
 82) Bis(2-ethylhexyl)phthalate        28.53  149 10034562   120.79 ng       99
 83) Di-n-octyl phthalate              30.15  149 18170803   120.40 ng       98
 84) Indeno(1,2,3-cd)pyrene            34.73  276 11105243   116.85 ng   #   54
 86) Benzo(b)fluoranthene              31.03  252 19684152   115.27 ng      100
 87) Benzo(k)fluoranthene              31.08  252  6833836m  102.49 ng
 88) Benzo(a)pyrene                    31.76  252 12324616   118.29 ng       99
 89) Dibenzo(a,h)anthracene            34.80  278  9481218   114.81 ng       98
 90) Benzo(g,h,i)perylene              35.55  276  8765402   115.05 ng       98

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

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D            Vial: 3
Acq On    : 14 Aug 2000  11:25 am                     Operator: SJT
Sample    : 120ng BNA ICC                             Inst    : BNARTE
Misc      :                                           Multiplr: 1.00
Q8aīntēgmatiAngPa5am4:05t2000.p                 Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(2) Pyridine ( )

2.95min 125.70ng m

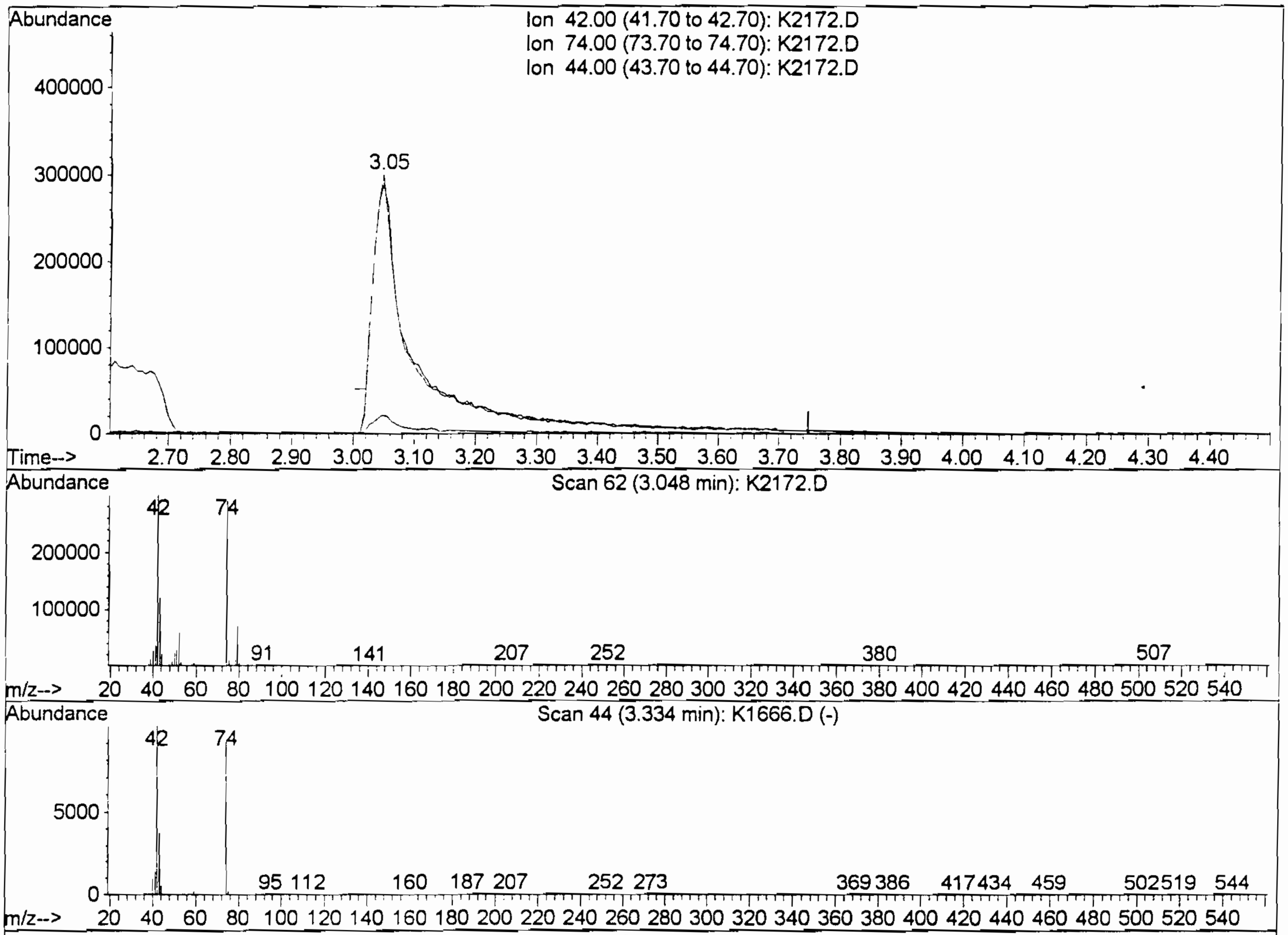
response 2157606

Ion	Exp%	Act%
79.00	100	100
52.00	85.50	85.90
51.00	38.90	40.20
0.00	0.00	0.00

```
                         Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D              Vial: 3
Acq On    : 14 Aug 2000  11:25 am                      Operator: SJT
Sample    : 120ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Q8antTegmetiAngPa5ams:06t2000.p              Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



```
TIC: K2172.D

(3)  n-Nitrosodimethylamine ( )

3.05min  121.12ng  m

response  1490165

 Ion     Exp%    Act%

42.00    100      100

74.00    92.70    96.26

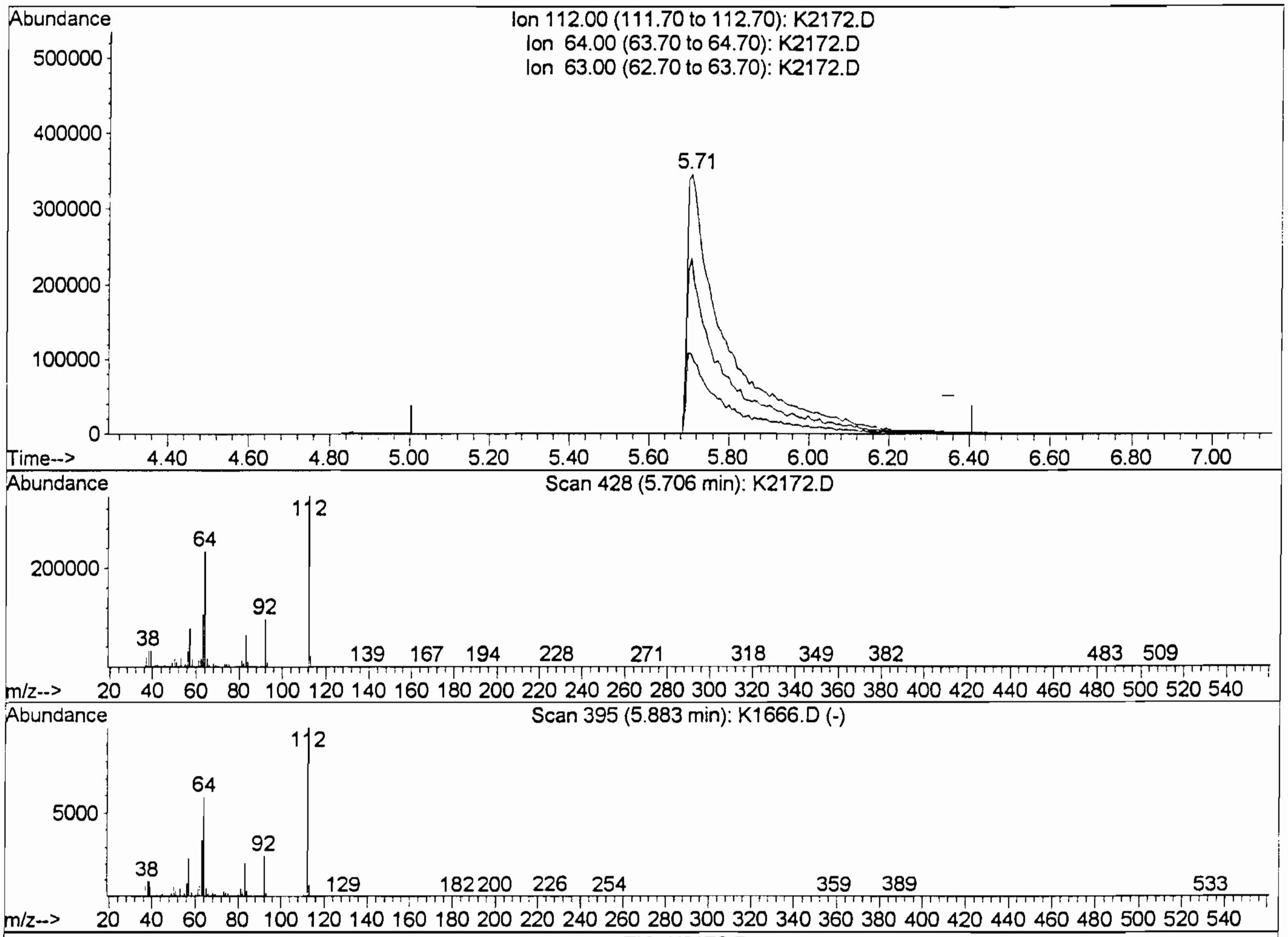
44.00     7.20     7.07

 0.00     0.00     0.00
```

                         Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D            Vial: 3
Acq On    : 14 Aug 2000  11:25 am                    Operator: SJT
Sample    : 120ng BNA ICC                            Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
Quant Time: Aug 15 14:06 2000
Integration Params: rteint.p                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(4) 2-Fluorophenol (S)

5.71min 122.92ng m

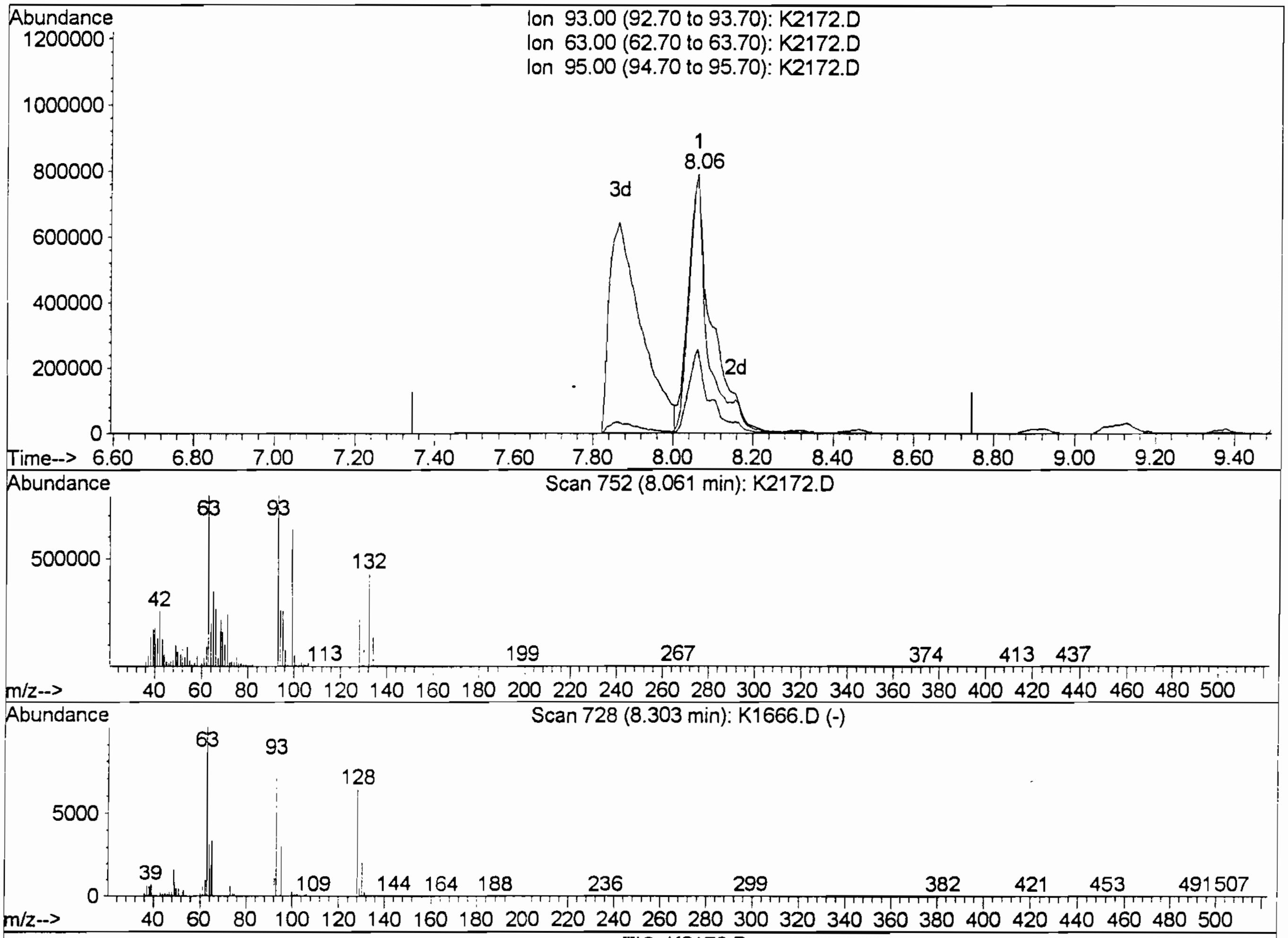
response 2355867

Ion	Exp%	Act%
112.00	100	100
64.00	62.70	67.69
63.00	31.70	31.01
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D          Vial: 3
Acq On    : 14 Aug 2000  11:25 am                  Operator: SJT
Sample    : 120ng BNA ICC                          Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p           Quant Results File: temp.res
Quant Time: Aug 15 14:06 2000

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(10) bis(2-Chloroethyl)ether

8.06min 121.54ng m

response 2753806

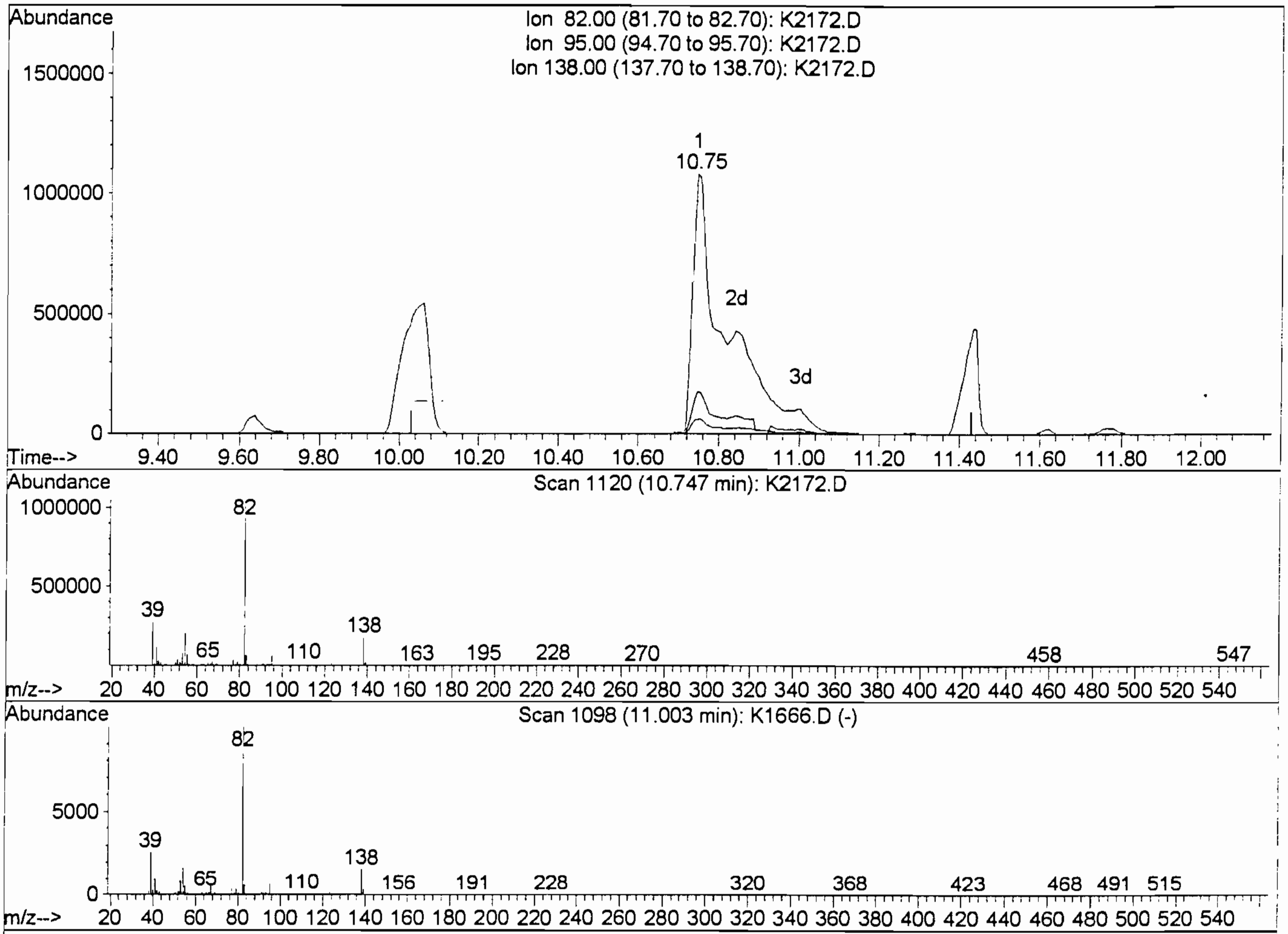
Ion	Exp%	Act%
93.00	100	100
63.00	95.50	100.00
95.00	32.80	32.49
0.00	0.00	0.00

088

```
                            Quantitation Report

  Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D               Vial: 3
  Acq On    : 14 Aug 2000  11:25 am                        Operator: SJT
  Sample    : 120ng BNA ICC                                Inst     : BNARTE
  Misc      :                                              Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:07 2000                   Quant Results File: temp.res

  Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update    : Mon Jul 17 17:42:02 2000
  Response via   : Single Level Calibration
```



TIC: K2172.D

(26) Isophorone

10.75min 120.31ng m

response 6303403

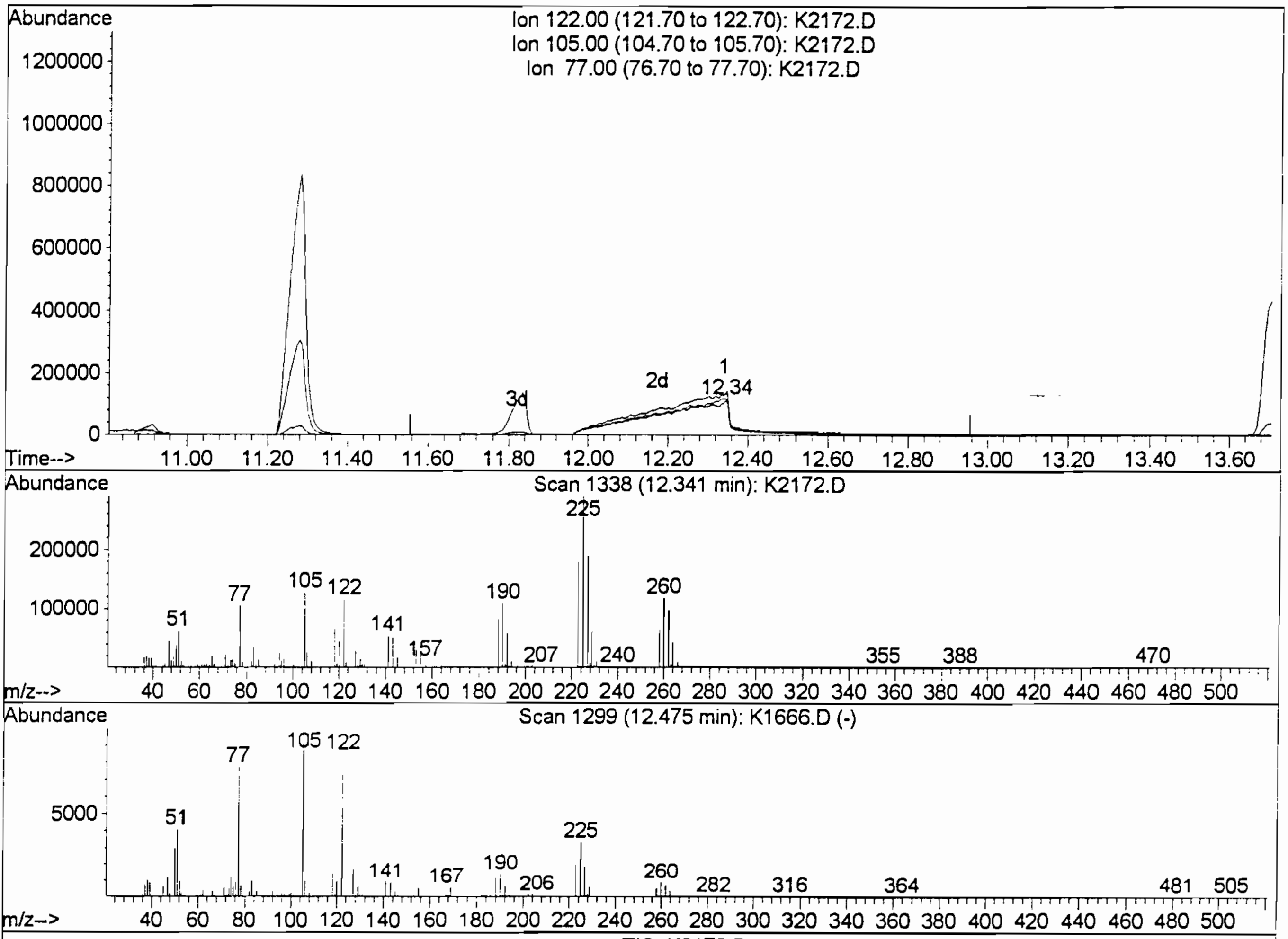
Ion	Exp%	Act%
82.00	100	100
95.00	6.80	5.56
138.00	17.10	16.28
0.00	0.00	0.00

089

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D          Vial: 3
Acq On    : 14 Aug 2000  11:25 am                  Operator: SJT
Sample    : 120ng BNA ICC                          Inst     : BNARTE
Misc      :                                        Multiplr: 1.00
Q8aIntegmatiAngPa5ams:07t2000.p            Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(33) Benzoic acid

12.34min 122.22ng m

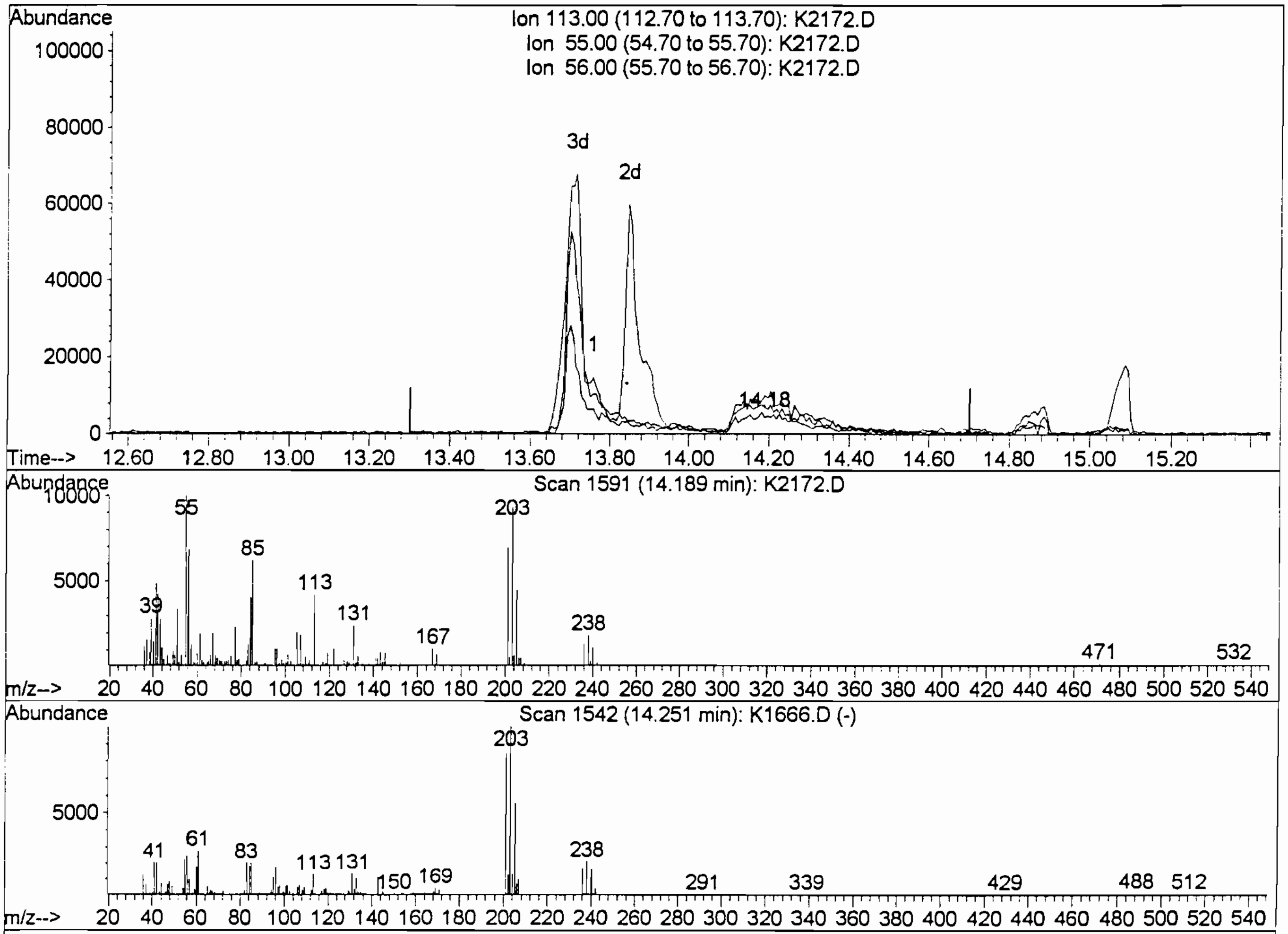
response 1605328

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	110.55
77.00	94.20	90.45
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D              Vial: 3
Acq On    : 14 Aug 2000  11:25 am                      Operator: SJT
Sample    : 120ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 15 14:07 2000              Quant Results File: temp.res
Integration Params: rteint.p

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(36) Caprolactam

14.18min 117.16ng m

response 65209

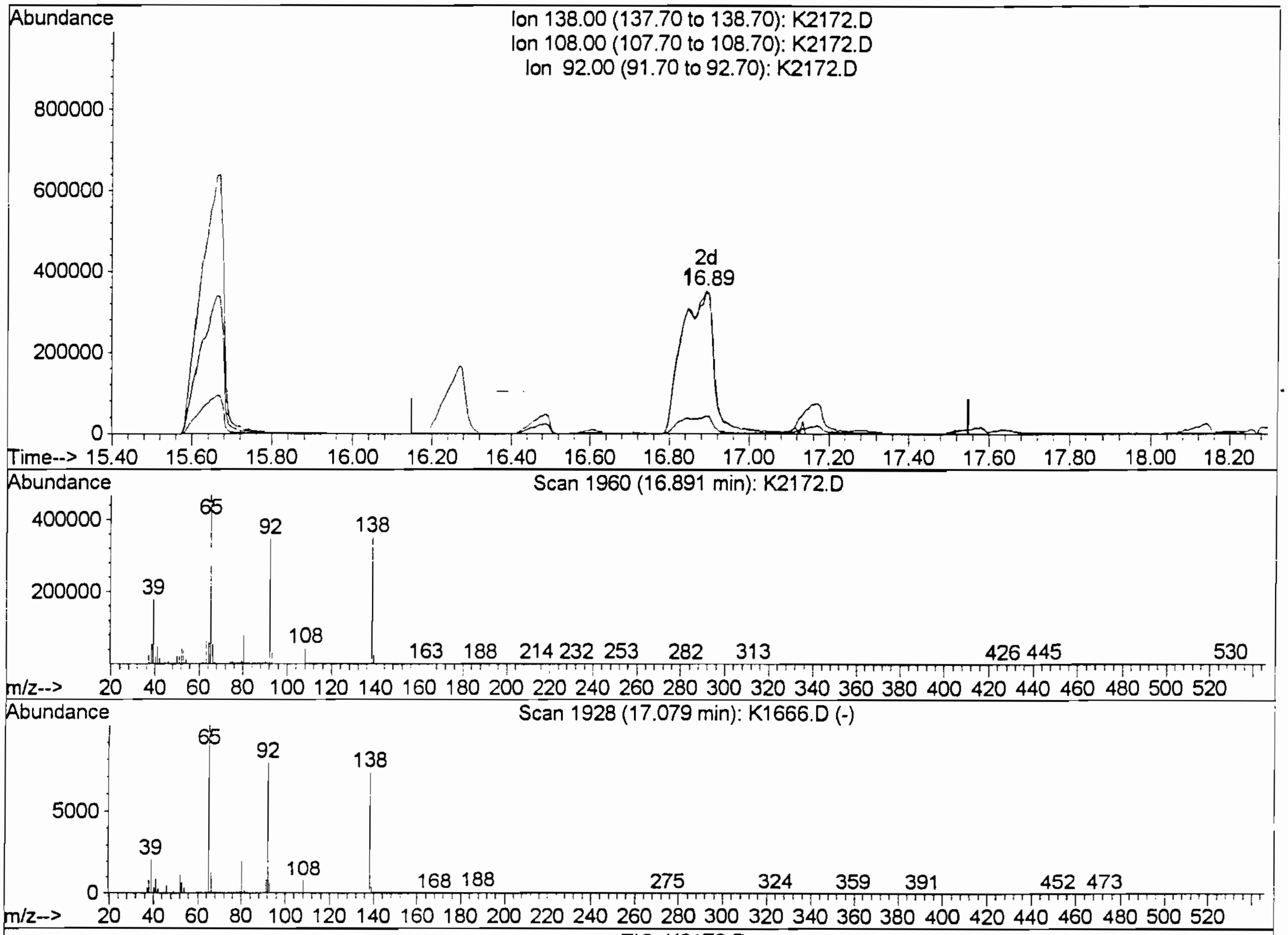
Ion	Exp%	Act%
113.00	100	100
55.00	168.90	154.14
56.00	115.20	134.52
0.00	0.00	0.00

091

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D                Vial: 3
Acq On    : 14 Aug 2000  11:25 am                          Operator: SJT
Sample    : 120ng BNA ICC                                  Inst     : BNARTE
Misc      :                                                Multiplr: 1.00
Q8afItt@gmetiAngPa5ams:08t2000.p            Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



(52) 3-Nitroaniline

16.89min 112.08ng m

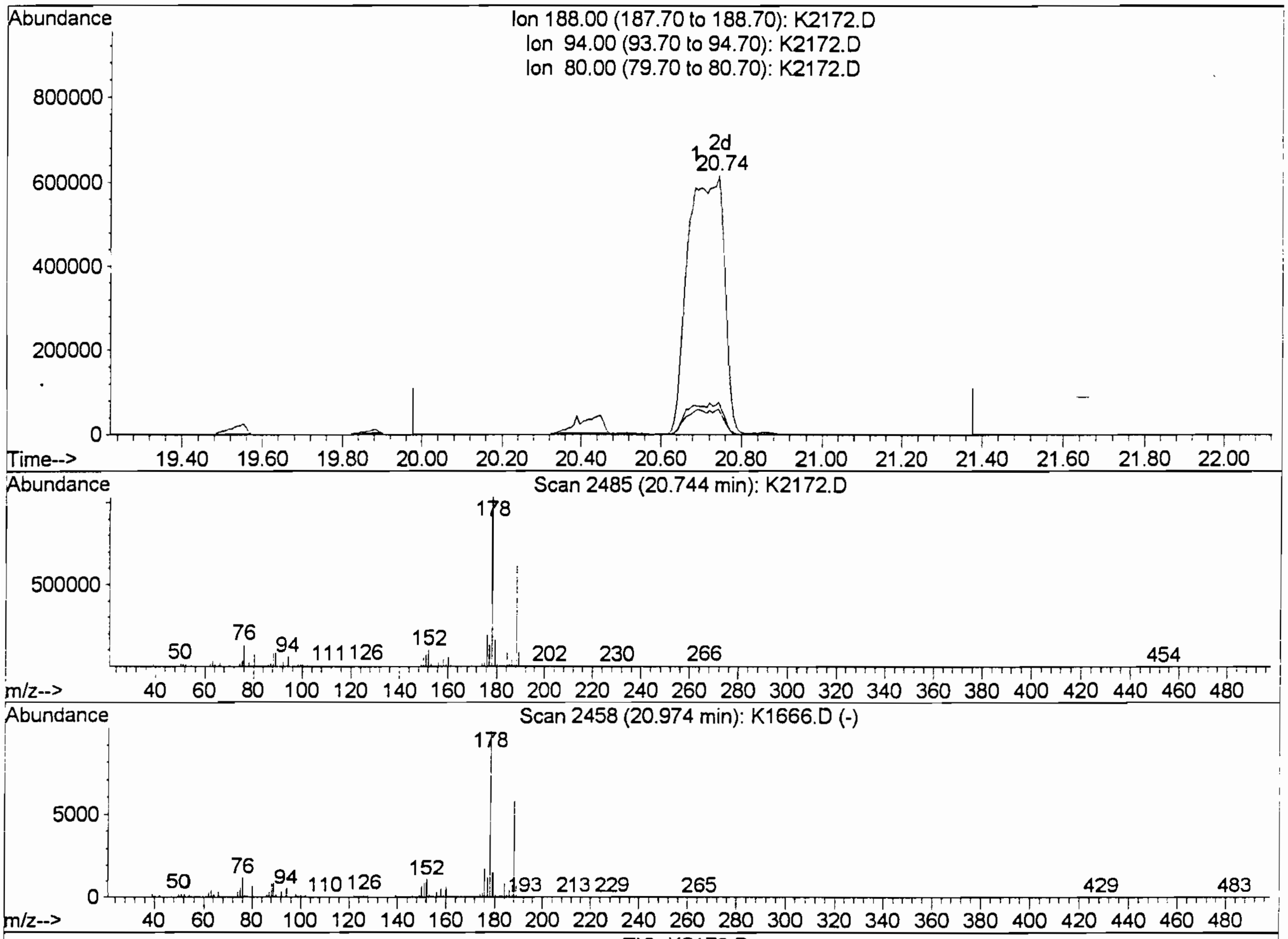
response 1955152

Ion	Exp%	Act%
138.00	100	100
108.00	10.70	12.28
92.00	91.70	98.65
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D              Vial: 3
Acq On    : 14 Aug 2000  11:25 am                      Operator: SJT
Sample    : 120ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
MSaIntegmatiAngPa5ams:09te2000.p               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



(62) Phenanthrene-d10 (I)

20.74min 40.00ng m

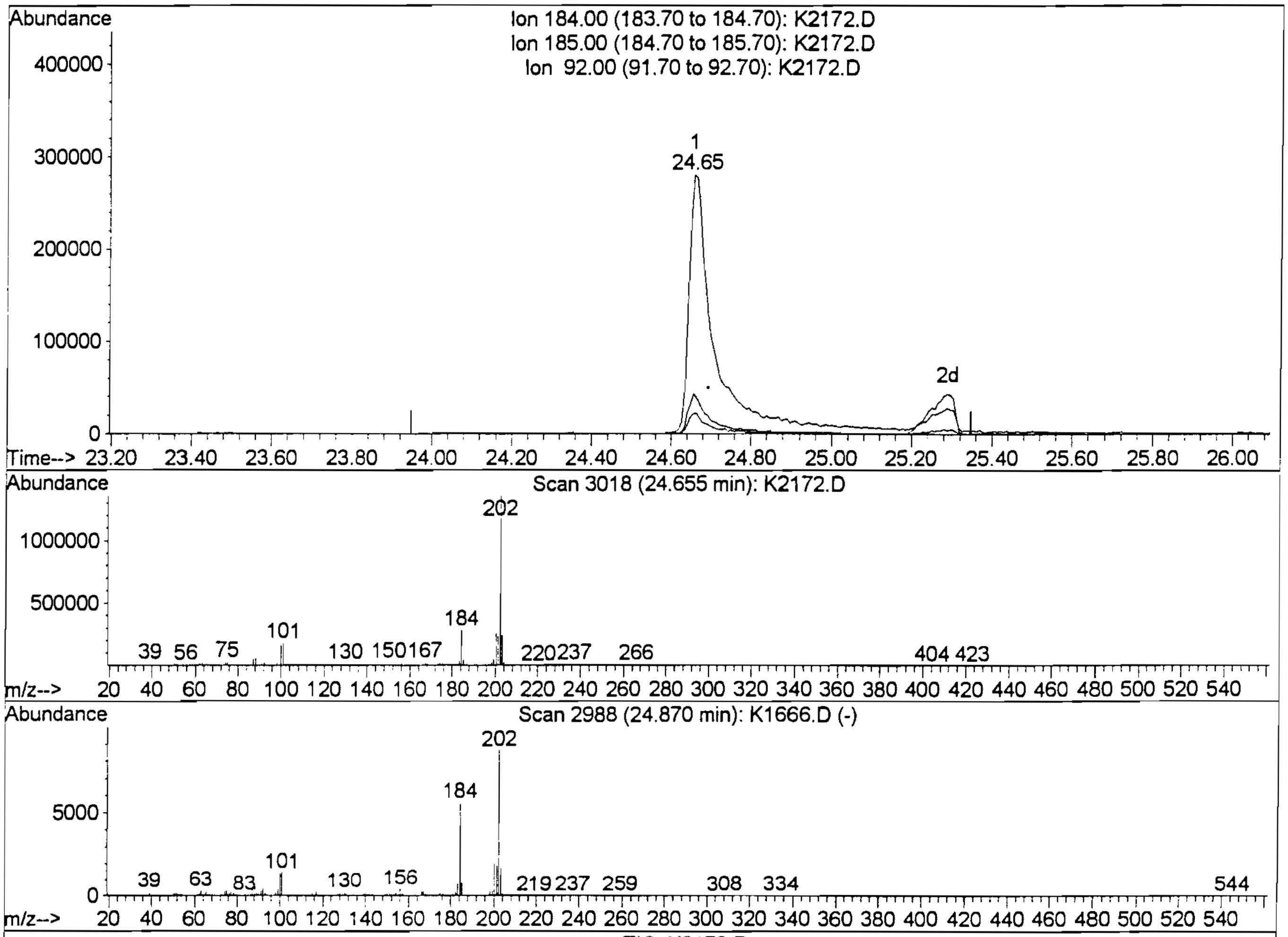
response 3865522

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	9.76
80.00	11.90	12.44
0.00	0.00	0.00

```
                         Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D          Vial: 3
Acq On    : 14 Aug 2000  11:25 am                  Operator: SJT
Sample    : 120ng BNA ICC                          Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MSamtEgmetiAngPa5ams:10t2000.p           Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(75) Benzidine

24.65min 124.64ng m

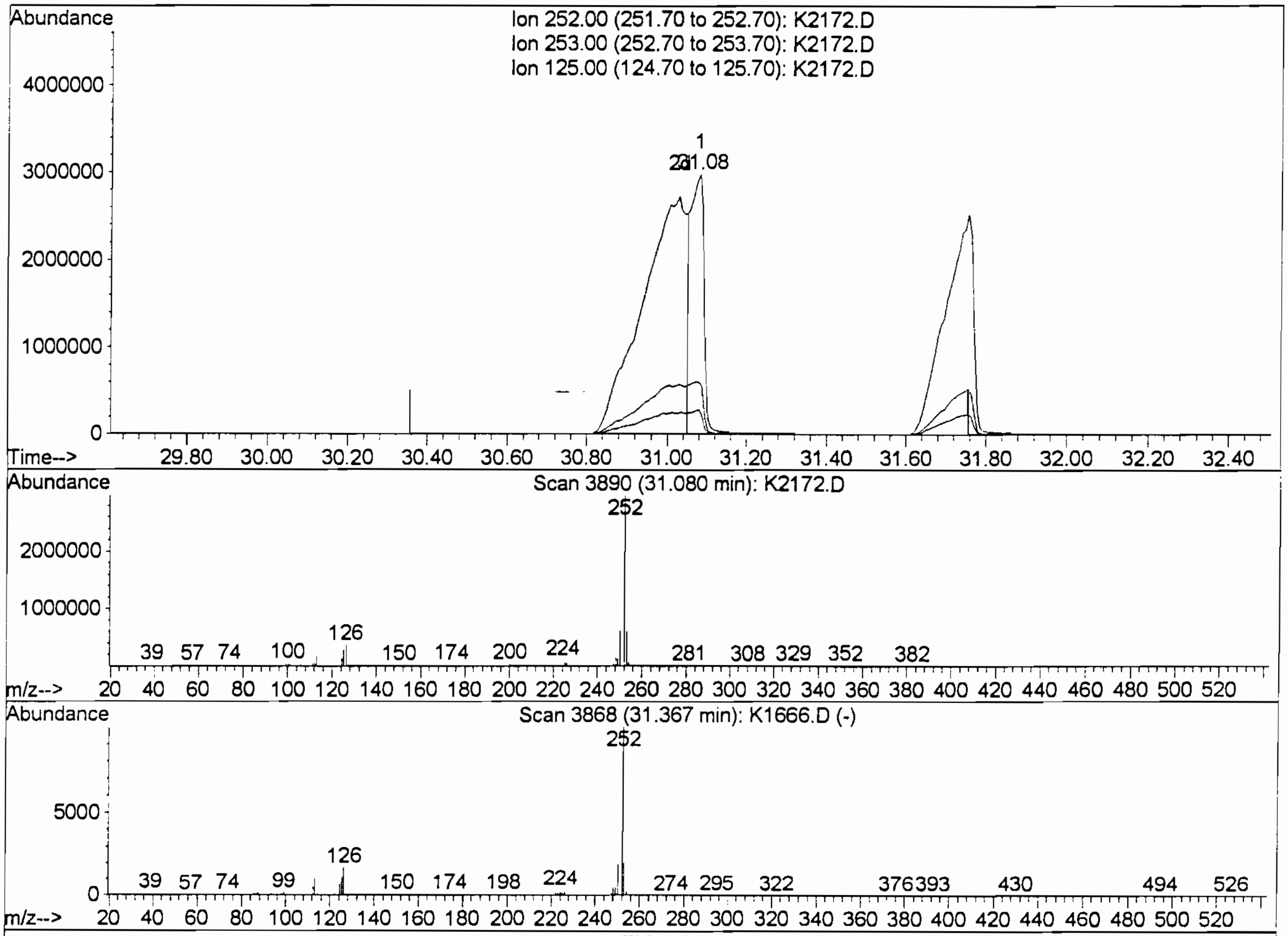
response 1486269

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	15.21
92.00	7.70	7.73
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2172.D              Vial: 3
Acq On    : 14 Aug 2000  11:25 am                      Operator: SJT
Sample    : 120ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QSanntEgmatiAngPa5ams:1ft2000.p                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2172.D

(87) Benzo(k)fluoranthene

31.08min 102.49ng m

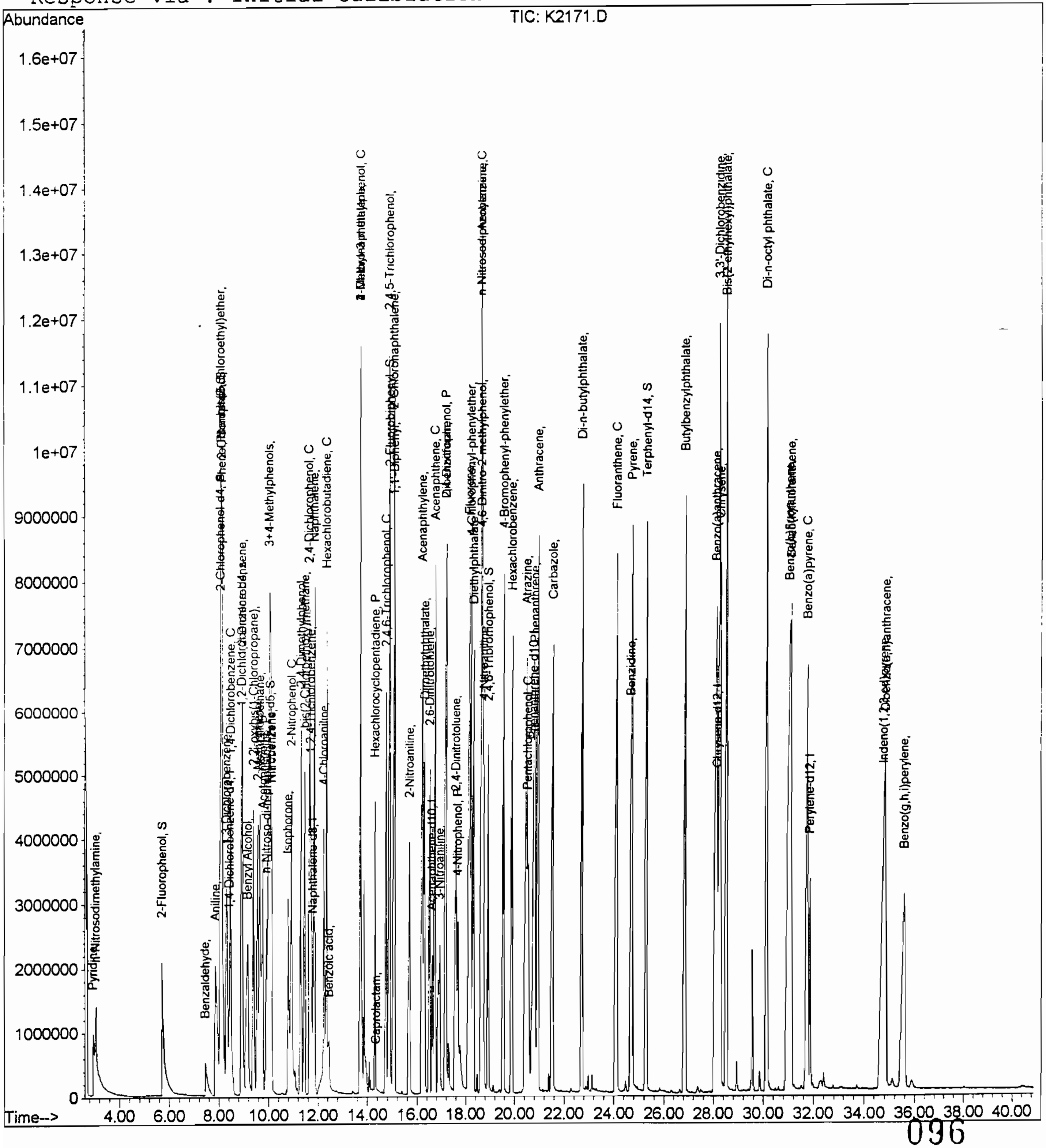
response 6833836

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	19.86
125.00	8.20	9.17
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
Acq On    : 14 Aug 2000  10:36 am                       Operator: SJT
Sample    : 160ng BNA ICC                               Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:04 2000                  Quant Results File: BK0715C.RES

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:32 2000
Response via   : Initial Calibration
```



```
                          Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D             Vial: 2
  Acq On    : 14 Aug 2000  10:36 am                     Operator: SJT
  Sample    : 160ng BNA ICC                             Inst    : BNARTE
  Misc      :                                           Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:04 2000                 Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


 Internal Standards                    R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------
   1) 1,4-Dichlorobenzene-d4           8.43  152    583966    40.00 ng       0.01
  22) Naphthalene-d8                  11.78  136   2463472    40.00 ng       0.02
  39) Acenaphthene-d10                16.62  164   1774463    40.00 ng       0.02
  62) Phenanthrene-d10                20.76  188   3907852m   40.00 ng       0.08
  74) Chrysene-d12                    28.17  240   4041694    40.00 ng       0.03
  85) Perylene-d12                    31.88  264   3916312    40.00 ng       0.02

 System Monitoring Compounds
   4) 2-Fluorophenol                   5.71  112   3238576   171.06 ng      -0.00
   6) Phenol-d5                        8.11   99   4157575   156.64 ng       0.06
  11) 2-Chlorophenol-d4                8.06  132   3312491   157.55 ng       0.03
  14) 1,2-Dichlorobenzene-d4           8.90  152   2034144   155.16 ng       0.02
  24) Nitrobenzene-d5                 10.08   82   3353857   151.45 ng       0.06
  41) 2,4,6-Tribromophenol            18.95  330   2423023   145.89 ng       0.04
  44) 2-Fluorobiphenyl                14.91  172   8903267m  150.04 ng       0.04
  77) Terphenyl-d14                   25.32  244  14207945   161.99 ng       0.04

 Target Compounds                                                      Qvalue
   2) Pyridine                         2.94   79   3000595m  176.98 ng
   3) n-Nitrosodimethylamine           3.05   42   1990742m  163.80 ng
   5) Aniline                          7.87   93   4701647   165.78 ng         99
   7) 2-Chlorophenol                   8.13  128   3119874   153.54 ng         97
   8) Benzaldehyde                     7.47   77    691909    76.75 ng         97
   9) Phenol                           8.14   94   4369680   155.40 ng         97
  10) bis(2-Chloroethyl)ether          8.09   93   3799332   169.76 ng         95
  12) 1,3-Dichlorobenzene              8.31  146   3667149   159.75 ng         98
  13) 1,4-Dichlorobenzene              8.47  146   3964191   160.36 ng         97
  15) 1,2-Dichlorobenzene              8.94  146   3517433   155.59 ng         97
  16) Benzyl Alcohol                   9.17  108   2407392   163.20 ng         98
  17) 2,2'-oxybis(1-Chloropropan       9.39   45   6842035   160.64 ng         99
  18) 2-Methylphenol                   9.57  108   3706938   160.30 ng         95
  19) Hexachloroethane                 9.64  117   1465689   158.10 ng         98
  20) n-Nitroso-di-n-propylamine       9.91   70   1827633m  112.16 ng
  21) 3+4-Methylphenols               10.02  107   7318095   156.25 ng         97
  23) Acetophenone                     9.77  105   4875402   158.71 ng         99
  25) Nitrobenzene                    10.13   77   3676829m  145.01 ng
  26) Isophorone                      10.78   82   8568985m  162.19 ng
  27) 2-Nitrophenol                   10.93  139   2245249   166.85 ng         99
  28) 2,4-Dimethylphenol              11.31  122   3218843   179.73 ng         98
  29) bis(2-Chloroethoxy)methane      11.46   93   4780313   161.50 ng        100
  30) 2,4-Dichlorophenol              11.64  162   3399620   156.41 ng         98
-----------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2171.D  BK0715C.M      Tue Aug 15 14:04:49 2000        RPT1                Page 1
```

8/15/00

8/15/00

```
                              Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
  Acq On    : 14 Aug 2000  10:36 am                      Operator: SJT
  Sample    : 160ng BNA ICC                              Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:04 2000                 Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


     Compound                          R.T. QIon  Response  Conc Unit   Qvalue
------------------------------------------------------------------------------
 31) 1,2,4-Trichlorobenzene           11.69  180   3545122  154.56 ng        95
 32) Naphthalene                      11.86  128  10087815  155.14 ng        99
 33) Benzoic acid                     12.43  122   2313325m 174.65 ng
 34) 4-Chloroaniline                  12.23  127   2880151  117.81 ng        98
 35) Hexachlorobutadiene              12.34  225   2114634  148.39 ng        98
 36) Caprolactam                      14.37  113     80459m 143.35 ng
 37) 4-Chloro-3-methylphenol          13.72  107   3559549  149.57 ng        97
 38) 2-Methylnaphthalene              13.73  142   9393231  146.98 ng        96
 40) Hexachlorocyclopentadiene        14.31  237   1661595  192.71 ng        99
 42) 2,4,6-Trichlorophenol            14.75  196   2942209  153.74 ng        96
 43) 2,4,5-Trichlorophenol            14.89  196   2851248  147.03 ng        98
 45) 1,1'-Biphenyl                    15.11  154   6715026  147.48 ng        99
 46) 2-Chloronaphthalene              15.07  162   7290787  153.02 ng        98
 47) 2-Nitroaniline                   15.69   65   3064327  153.81 ng        99
 48) Acenaphthylene                   16.20  152  10540504  155.85 ng        98
 49) Dimethylphthalate                16.30  163  10007576  154.68 ng        99
 50) 2,6-Dinitrotoluene               16.52  165   2549750  155.21 ng        93
 51) Acenaphthene                     16.75  154   7097618  156.72 ng        99
 52) 3-Nitroaniline                   16.95  138   2546765m 146.54 ng
 53) 2,4-Dinitrophenol                17.21  184   1861747  156.38 ng   #    82
 54) Dibenzofuran                     17.21  168  11258246  149.67 ng       100
 55) 4-Nitrophenol                    17.69  139   2500209m 170.56 ng
 56) 2,4-Dinitrotoluene               17.62  165   4059607  155.57 ng        98
 57) Fluorene                         18.16  166   9402556  150.74 ng        97
 58) Diethylphthalate                 18.34  149   9886080  152.40 ng        98
 59) 4-Chlorophenyl-phenylether       18.24  204   5064372  153.98 ng        98
 60) 4-Nitroaniline                   18.76  138   2491008  166.73 ng        99
 61) Azobenzene                       18.66   77  10676641  155.33 ng        98
 63) 4,6-Dinitro-2-methylphenol       18.70  198   2486413  157.47 ng
 64) n-Nitrosodiphenylamine           18.67  169   6368873  150.67 ng
 65) 4-Bromophenyl-phenylether        19.57  248   4368344  151.63 ng
 66) Hexachlorobenzene                19.91  284   4143809ds/dc149.55 ng
 67) Atrazine                         20.49  200   3104927  167.88 ng
 68) Pentachlorophenol                20.54  266   3180871  158.93 ng
 69) Phenanthrene                     20.84  178  15453537  158.97 ng
 70) Anthracene                       20.97  178  15107821  154.55 ng
 71) Carbazole                        21.56  167  13849049  159.78 ng
 72) Di-n-butylphthalate              22.75  149  19747219  154.19 ng
 73) Fluoranthene                     24.14  202  18640445  153.61 ng
 75) Benzidine                        24.68  184   1733003m 144.95 ng
 76) Pyrene                           24.75  202  19576052  165.57 ng        99
------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

```
                        Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D          Vial: 2
  Acq On    : 14 Aug 2000  10:36 am                  Operator: SJT
  Sample    : 160ng BNA ICC                          Inst    : BNARTE
  Misc      :                                        Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 15 14:04 2000             Quant Results File: BK0715C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Jul 17 17:42:32 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

     Compound                        R.T. QIon  Response  Conc Unit   Qvalue
-----------------------------------------------------------------------------
 78) Butylbenzylphthalate           26.88  149   9971929   165.57 ng       97
 79) Benzo(a)anthracene             28.13  228 19172479   160.35 ng       99
 80) 3,3'-Dichlorobenzidine         28.26  252   4684806   128.61 ng       98
 81) Chrysene                       28.30  228 14750949   155.66 ng       99
 82) Bis(2-ethylhexyl)phthalate     28.55  149 13419704   161.11 ng      100
 83) Di-n-octyl phthalate           30.16  149 23992350   158.55 ng       98
 84) Indeno(1,2,3-cd)pyrene         34.79  276 14090665   147.88 ng       96
 86) Benzo(b)fluoranthene           31.05  252 25579394   158.05 ng       99
 87) Benzo(k)fluoranthene           31.13  252 11046952m  174.81 ng
 88) Benzo(a)pyrene                 31.79  252 15762261   159.62 ng      100
 89) Dibenzo(a,h)anthracene         34.85  278 12050168   153.97 ng       99
 90) Benzo(g,h,i)perylene           35.61  276 11117515   153.97 ng       99
```

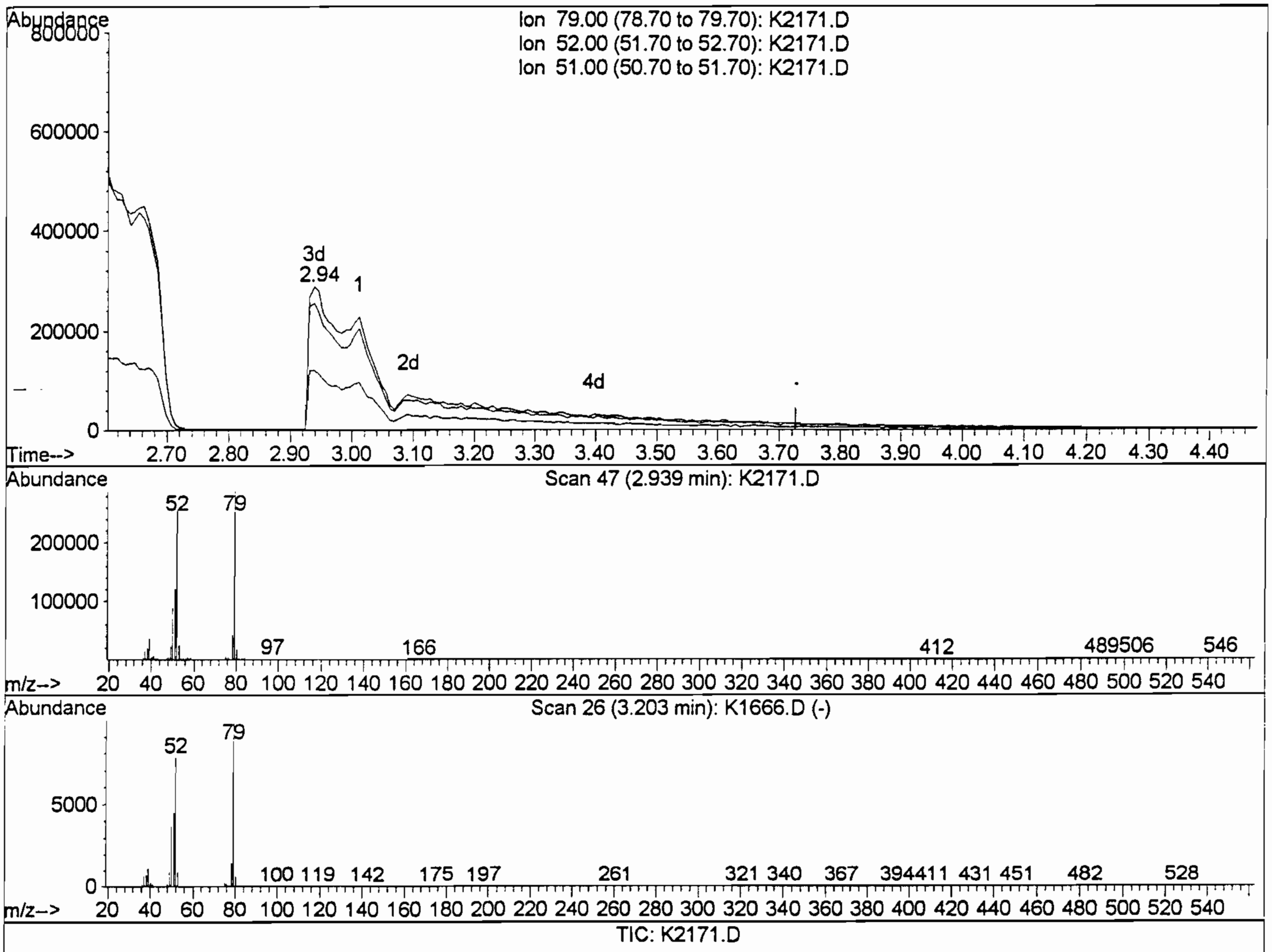
SJ 8/15/00

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

```
                         Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
Acq On    : 14 Aug 2000  10:36 am                      Operator: SJT
Sample    : 160ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QSanntEgmetiAngPa5am3:56t2000.p                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



(2) Pyridine ( )

2.94min 176.98ng m

response 3000595

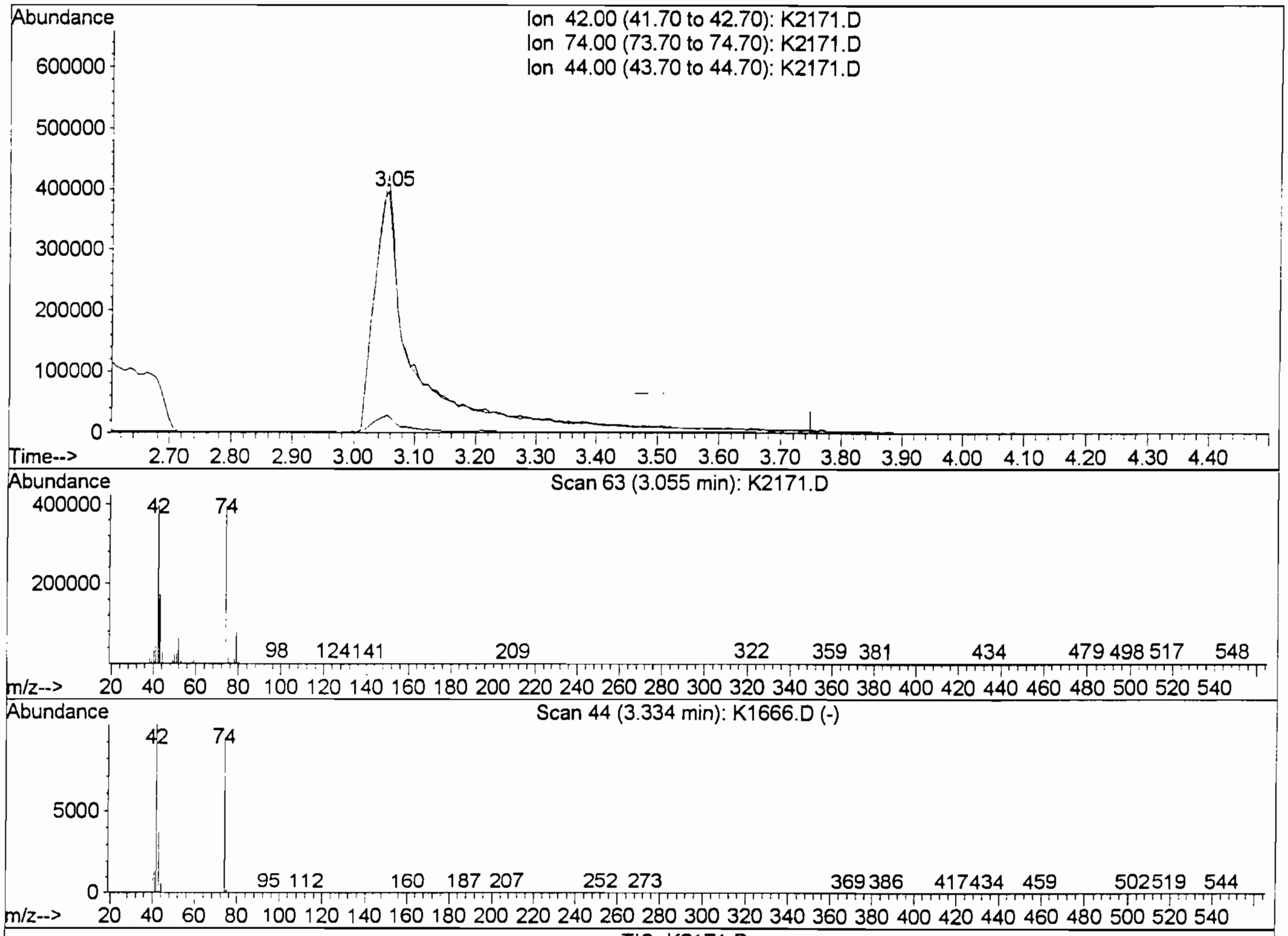
Ion	Exp%	Act%
79.00	100	100
52.00	85.50	88.53
51.00	38.90	42.01
0.00	0.00	0.00

100

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D           Vial: 2
Acq On    : 14 Aug 2000  10:36 am                   Operator: SJT
Sample    : 160ng BNA ICC                           Inst    : BNARTE
Misc      :                                         Multiplr: 1.00
Quant Time: Aug 15 13:57 2000 Quant Params: rteint.p    Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(3) n-Nitrosodimethylamine ( )

3.05min 163.80ng m

response 1990742

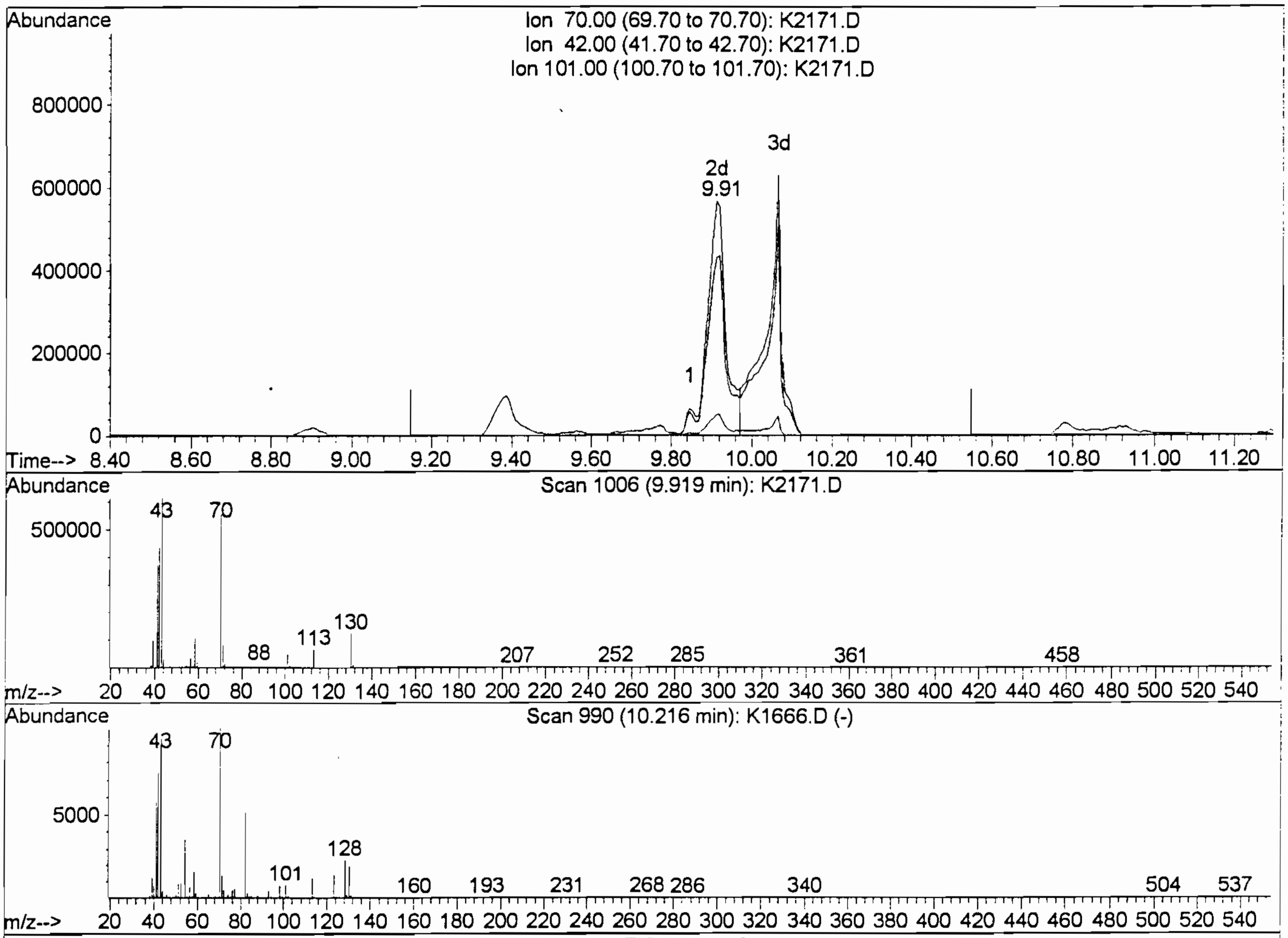
Ion	Exp%	Act%
42.00	100	100
74.00	92.70	107.30
44.00	7.20	7.38
0.00	0.00	0.00

101

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
Acq On    : 14 Aug 2000  10:36 am                       Operator: SJT
Sample    : 160ng BNA ICC                               Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Q8aIntegmatiAngPa5am3:58t2000.p                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(20) n-Nitroso-di-n-propylamine (P)

9.91min 112.16ng m

response 1827633

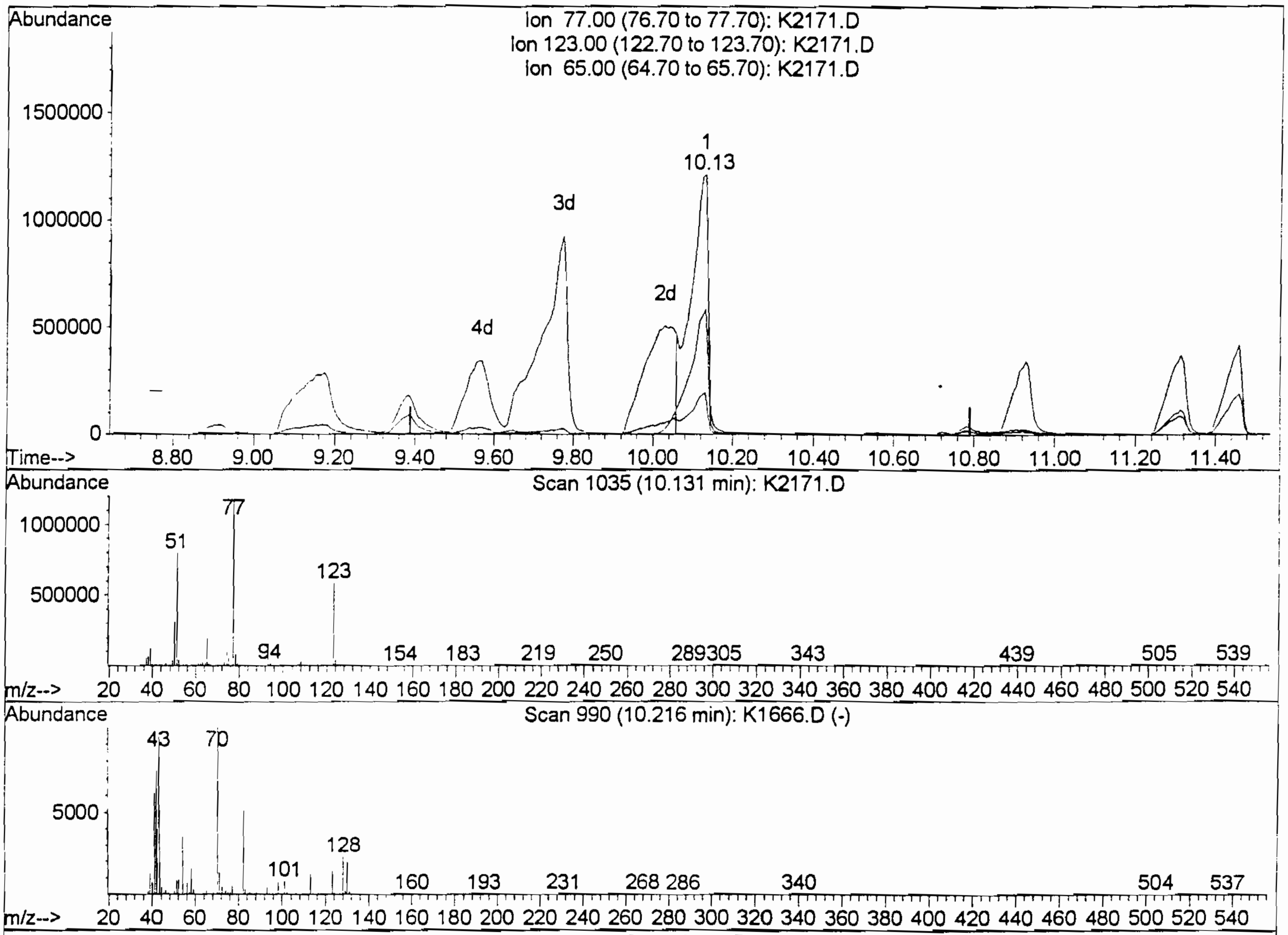
Ion	Exp%	Act%
70.00	100	100
42.00	74.20	75.86
101.00	8.70	8.73
0.00	0.00	0.00

102

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D                Vial: 2
Acq On    : 14 Aug 2000  10:36 am                         Operator: SJT
Sample    : 160ng BNA ICC                                 Inst    : BNARTE
Misc      :                                               Multiplr: 1.00
MSaIntegmetiAngPa5ams:59te2000.p              Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Single Level Calibration
```



TIC: K2171.D

(25) Nitrobenzene

10.13min 145.01ng m

response 3676829

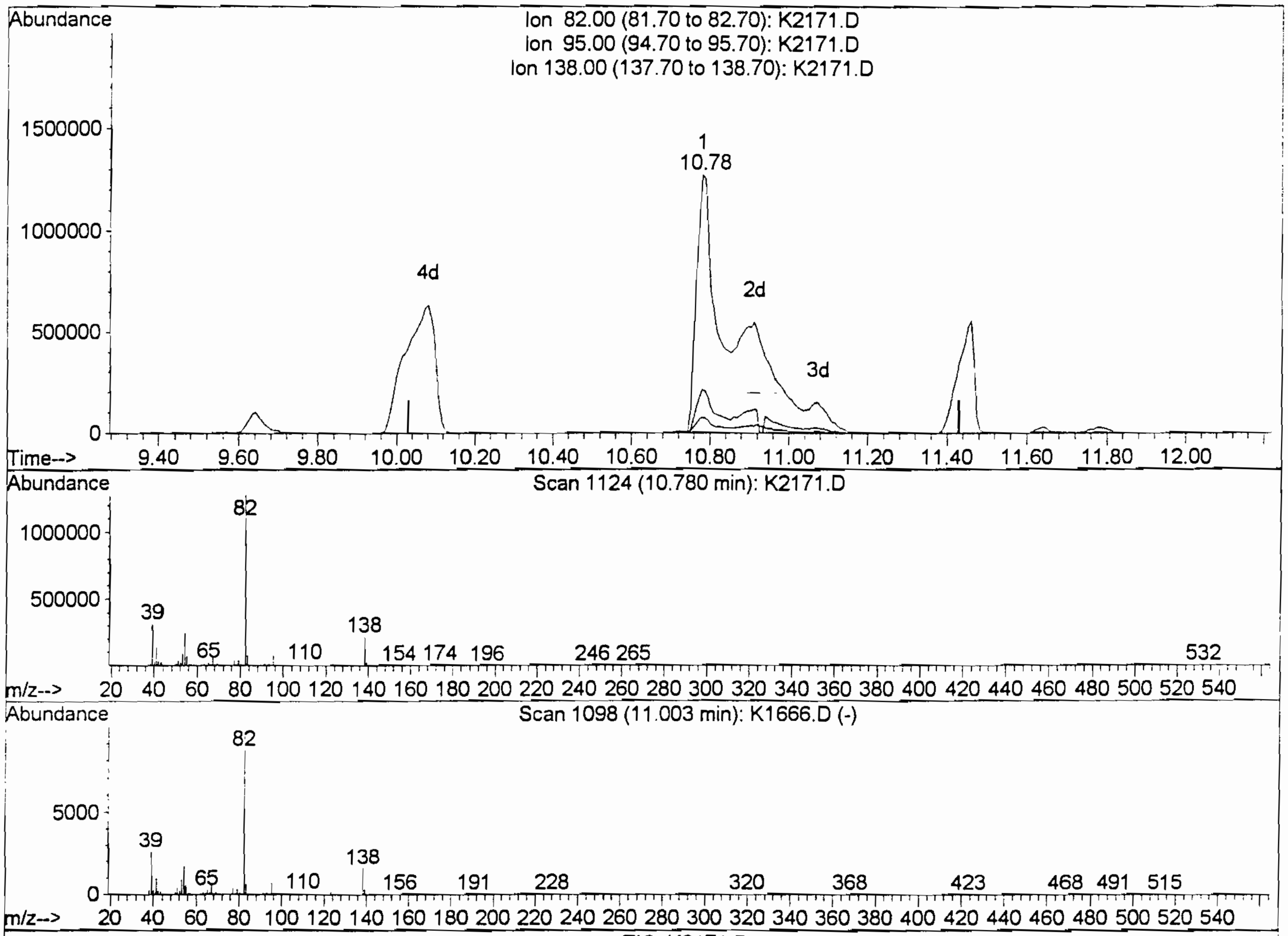
Ion	Exp%	Act%
77.00	100	100
123.00	46.60	48.27
65.00	15.80	15.85
0.00	0.00	0.00

103

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D   Vial: 2
Acq On : 14 Aug 2000 10:36 am   Operator: SJT
Sample : 160ng BNA ICC   Inst : BNARTE
Misc :   Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 13:59 2000   Quant Results File: temp.res

Method : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jul 17 17:42:02 2000
Response via : Single Level Calibration



TIC: K2171.D

(26) Isophorone

10.78min 162.19ng m

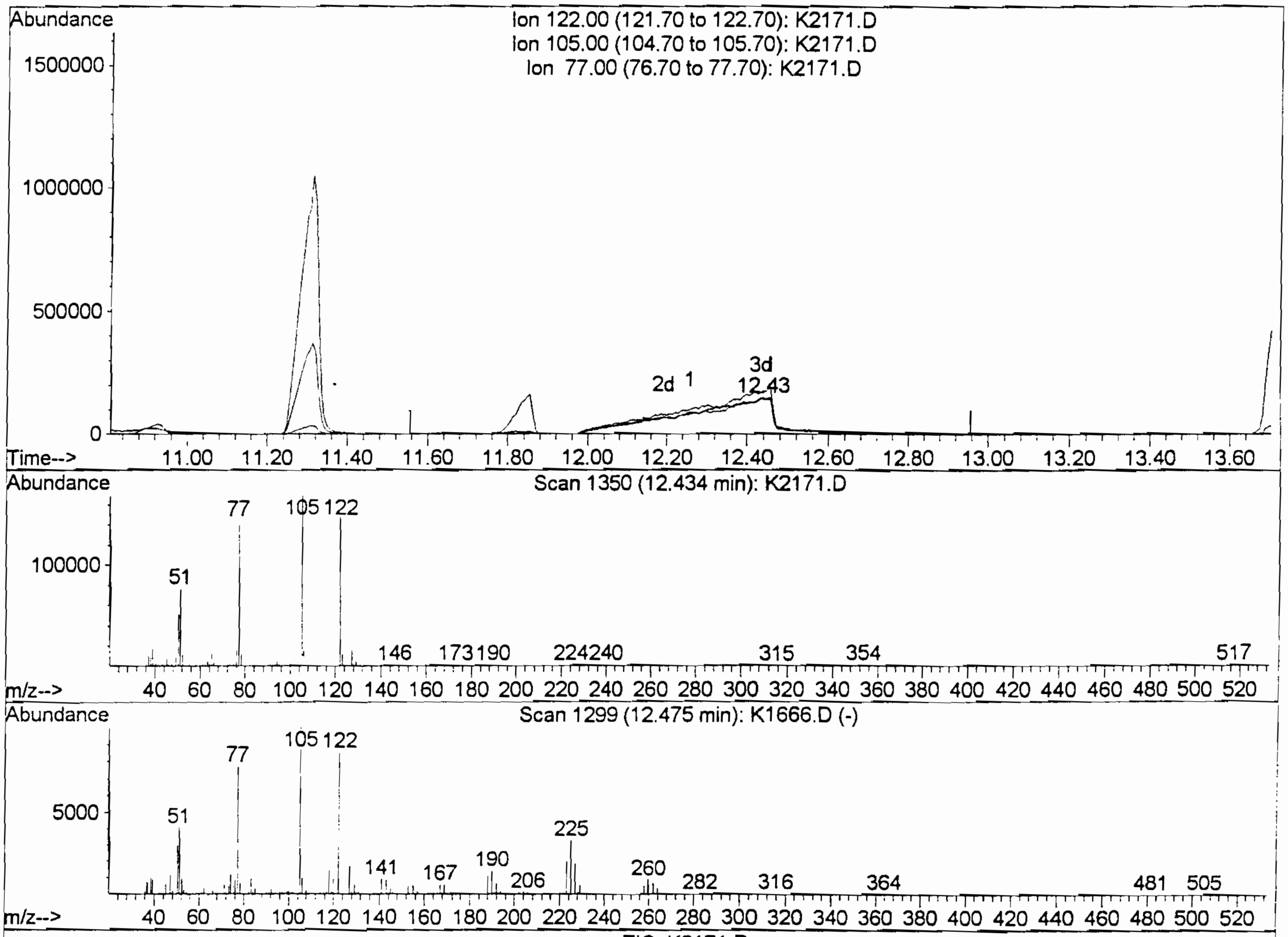
response 8568985

Ion	Exp%	Act%
82.00	100	100
95.00	6.80	6.00
138.00	17.10	16.87
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
Acq On    : 14 Aug 2000  10:36 am                       Operator: SJT
Sample    : 160ng BNA ICC                               Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
ØSanttEgmetiAngPa5ams:00te2000.p               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(33) Benzoic acid

12.43min 174.65ng m

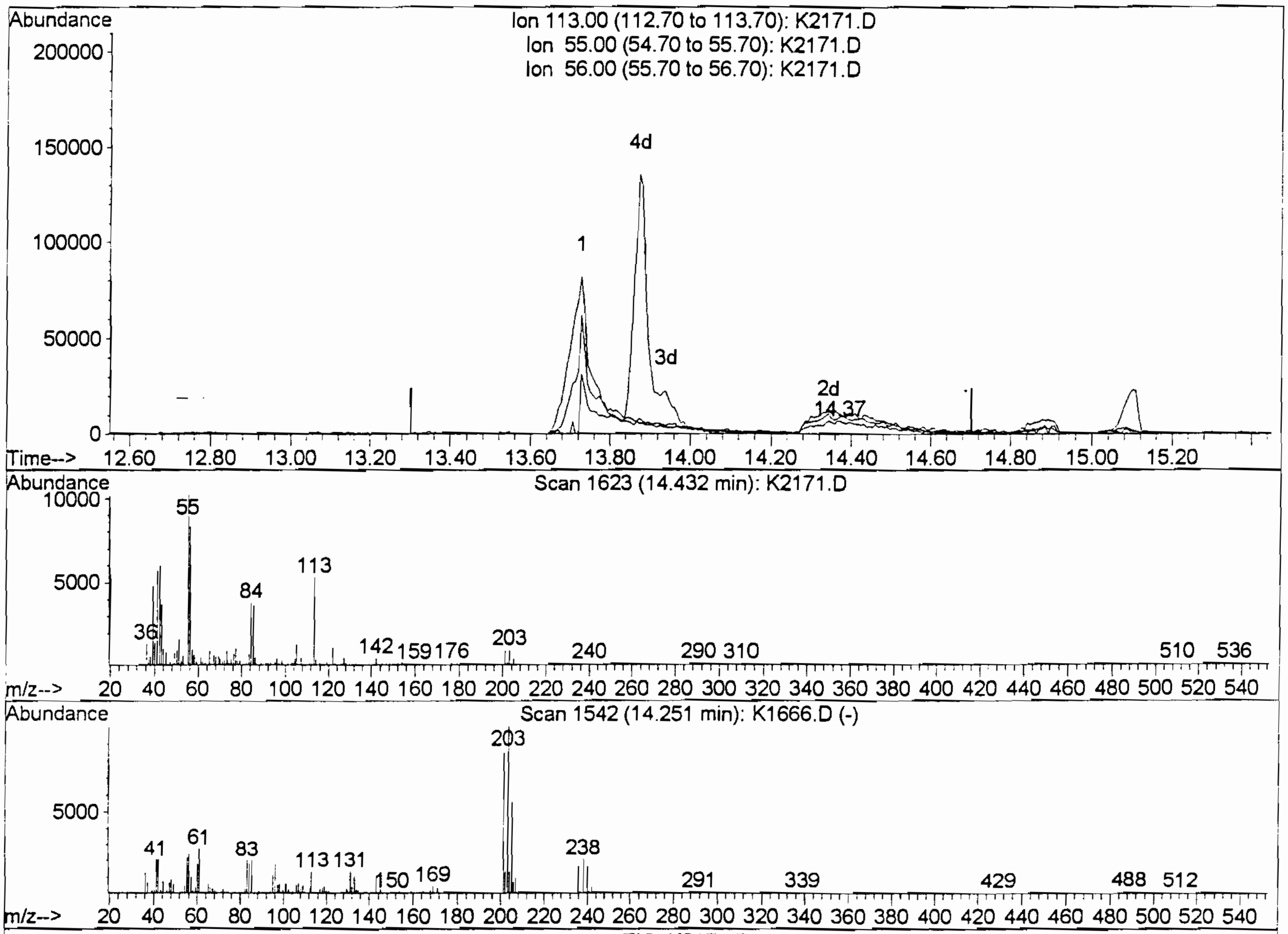
response 2313325

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	114.22
77.00	94.20	96.81
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D            Vial: 2
Acq On    : 14 Aug 2000  10:36 am                    Operator: SJT
Sample    : 160ng BNA ICC                            Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:00 2000               Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



TIC: K2171.D

(36) Caprolactam

14.37min 143.35ng m

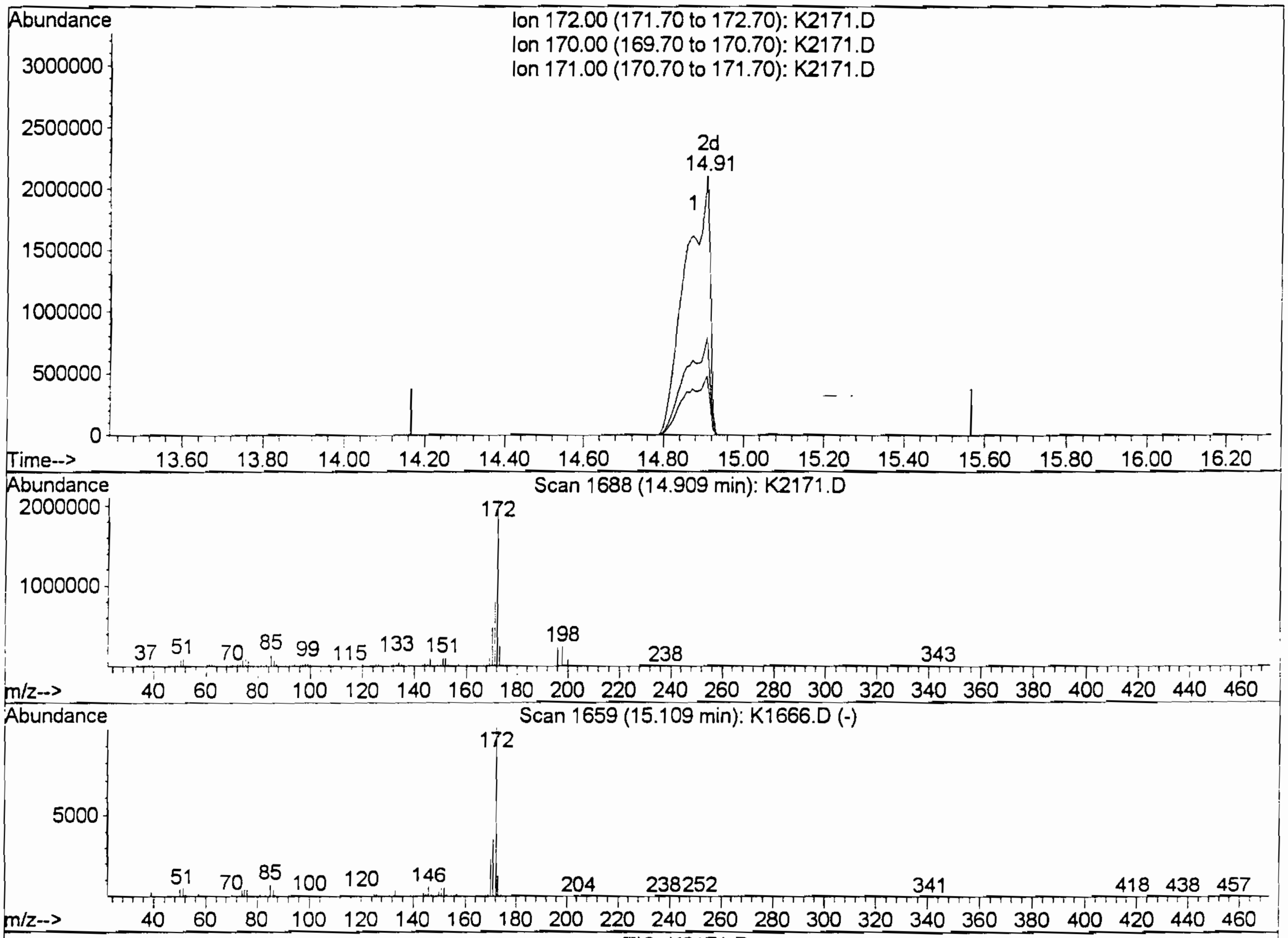
response 80459

Ion	Exp%	Act%
113.00	100	100
55.00	168.90	162.49
56.00	115.20	112.42
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
Acq On    : 14 Aug 2000  10:36 am                      Operator: SJT
Sample    : 160ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
MSaintTegmetiAngPa5ams:0rte2000.p             Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

```
(44)  2-Fluorobiphenyl (S)

14.91min  150.04ng  m

response  8903267

 Ion       Exp%    Act%

172.00     100      100

170.00     21.60    22.67

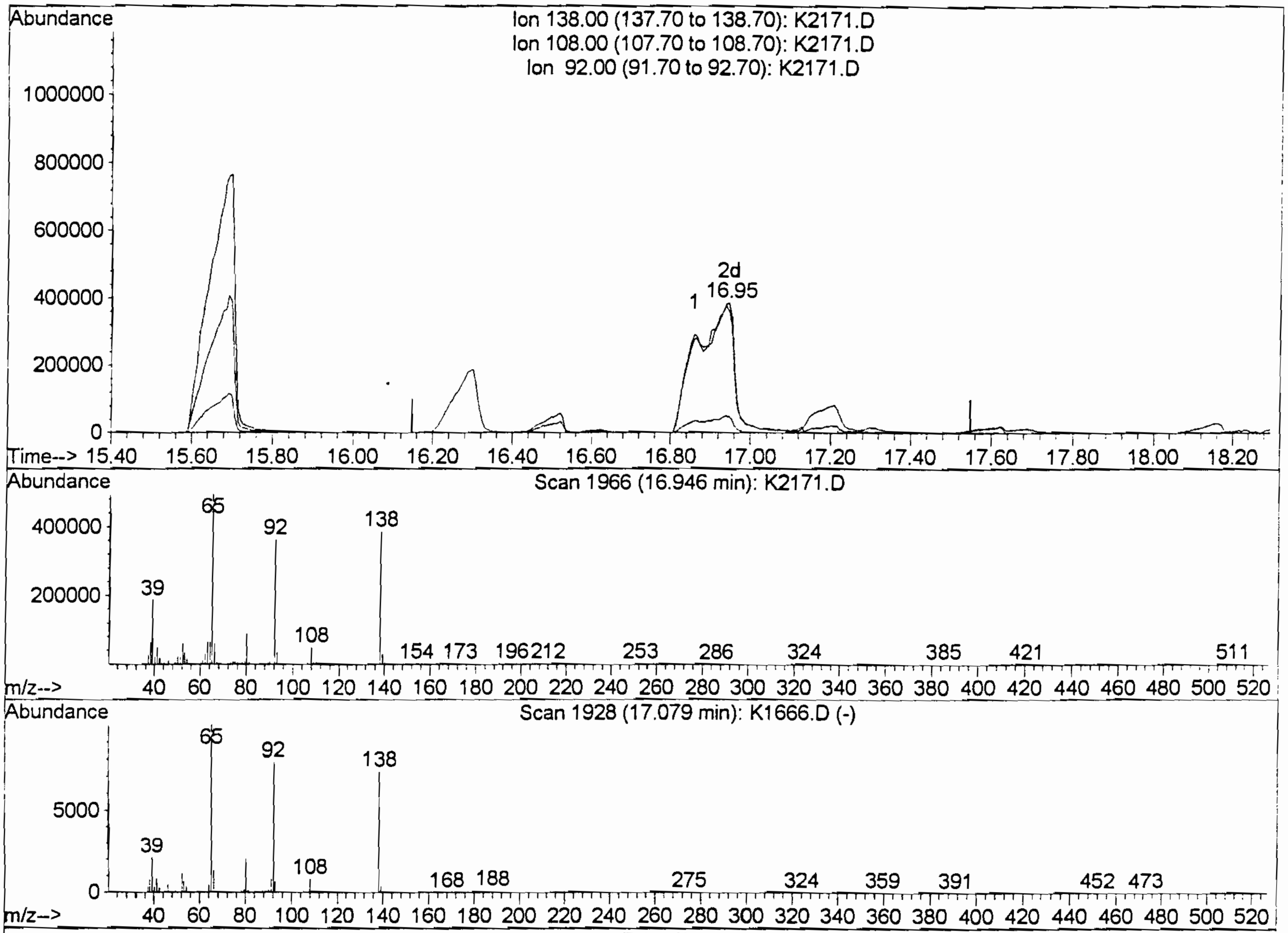
171.00     35.80    37.42

 0.00      0.00     0.00
```

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D                Vial: 2
Acq On    : 14 Aug 2000  10:36 am                        Operator: SJT
Sample    : 160ng BNA ICC                                Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:01 2000                  Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(52) 3-Nitroaniline

16.95min 146.54ng m

response 2546765

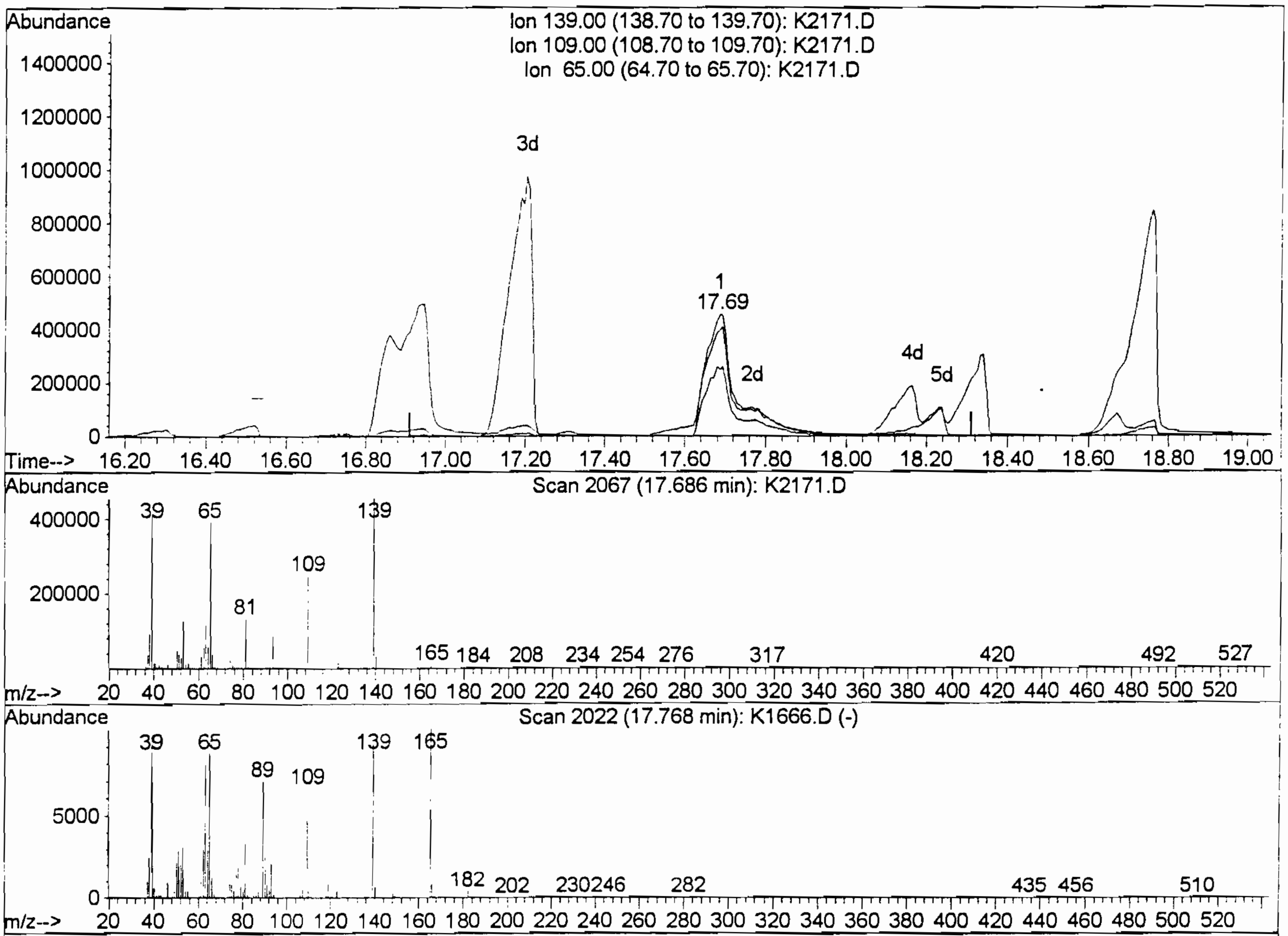
Ion	Exp%	Act%
138.00	100	100
108.00	10.70	12.55
92.00	91.70	93.96
0.00	0.00	0.00

108

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D          Vial: 2
Acq On    : 14 Aug 2000   10:36 am                 Operator: SJT
Sample    : 160ng BNA ICC                          Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 15 14:02 2000            Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(55) 4-Nitrophenol (P)

17.69min 170.56ng m

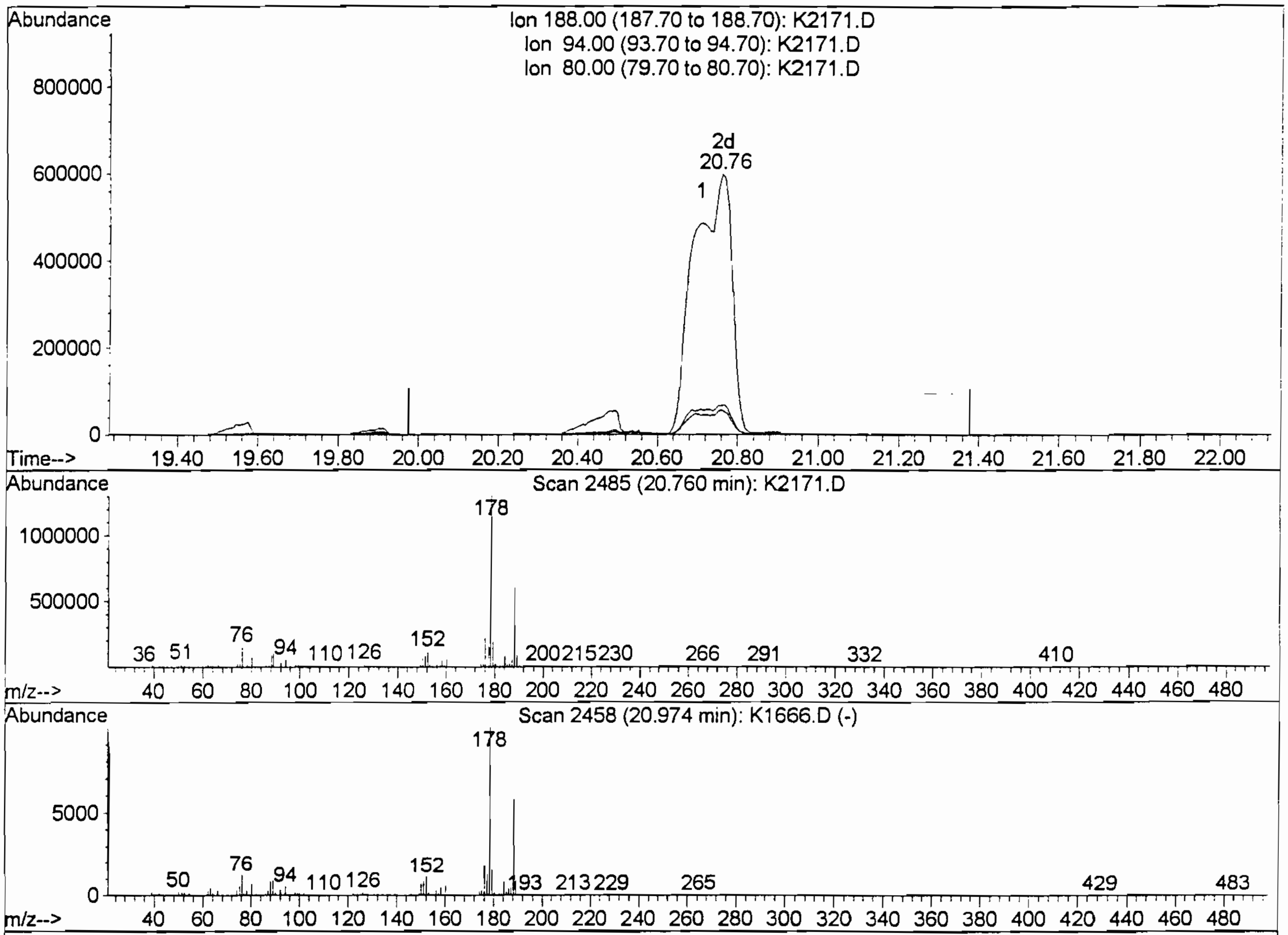
response 2500209

Ion	Exp%	Act%
139.00	100	100
109.00	58.30	54.50
65.00	88.00	87.09
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D             Vial: 2
Acq On    : 14 Aug 2000  10:36 am                      Operator: SJT
Sample    : 160ng BNA ICC                              Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QSantTegmatiAngPa5ams:02te2000.p             Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(62) Phenanthrene-d10 (I)

20.76min 40.00ng m

response 3907852

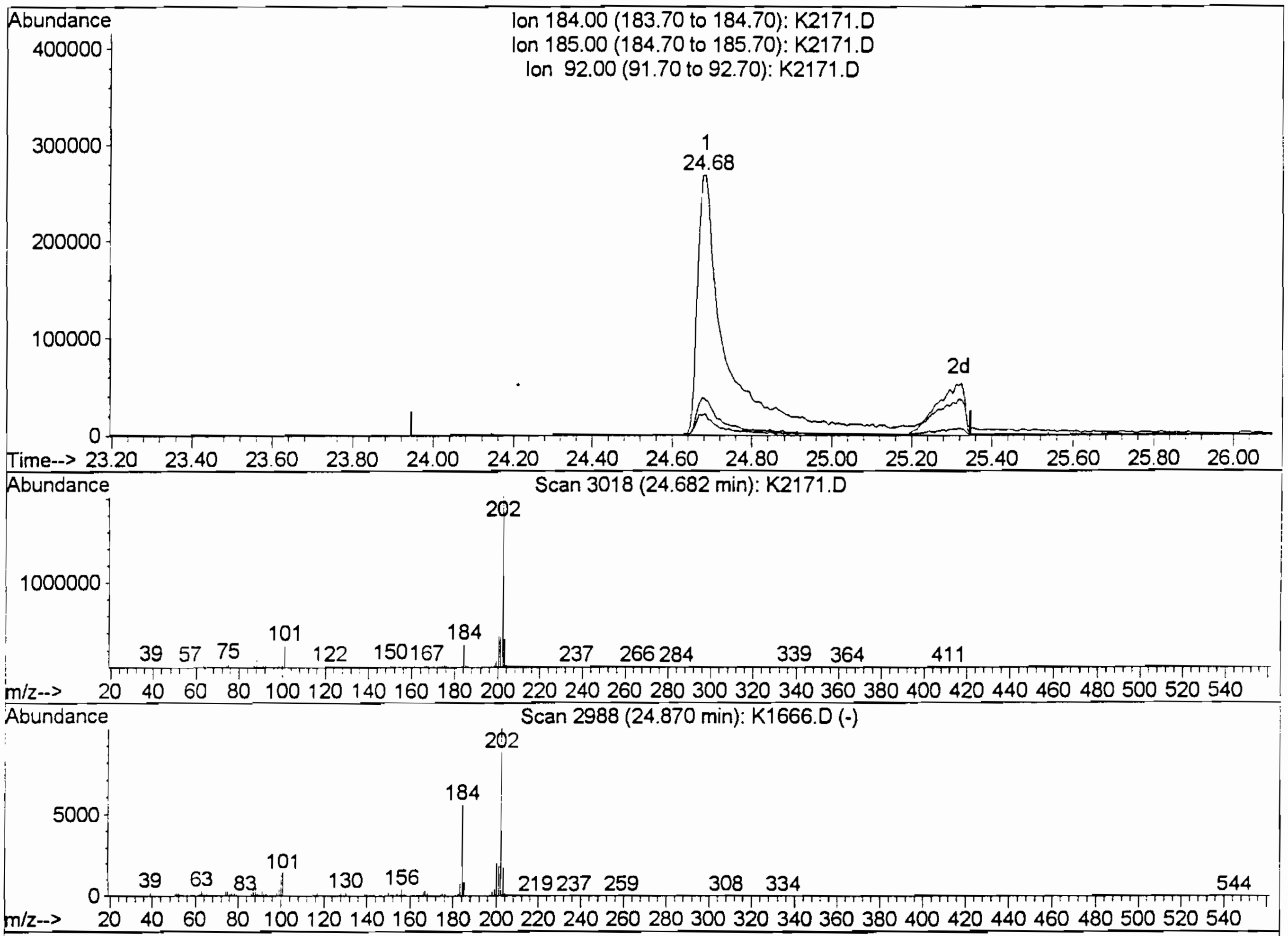
Ion	Exp%	Act%
188.00	100	100
94.00	9.70	9.53
80.00	11.90	11.25
0.00	0.00	0.00

110

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D              Vial: 2
Acq On    : 14 Aug 2000   10:36 am                      Operator: SJT
Sample    : 160ng BNA ICC                               Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Q8afhtegmatiAngPa5ams:03t2000.p             Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Single Level Calibration
```



TIC: K2171.D

```
(75) Benzidine

24.68min  144.95ng  m

response  1733003

 Ion      Exp%    Act%

184.00    100      100

185.00    14.60    13.56

 92.00    7.70     8.14

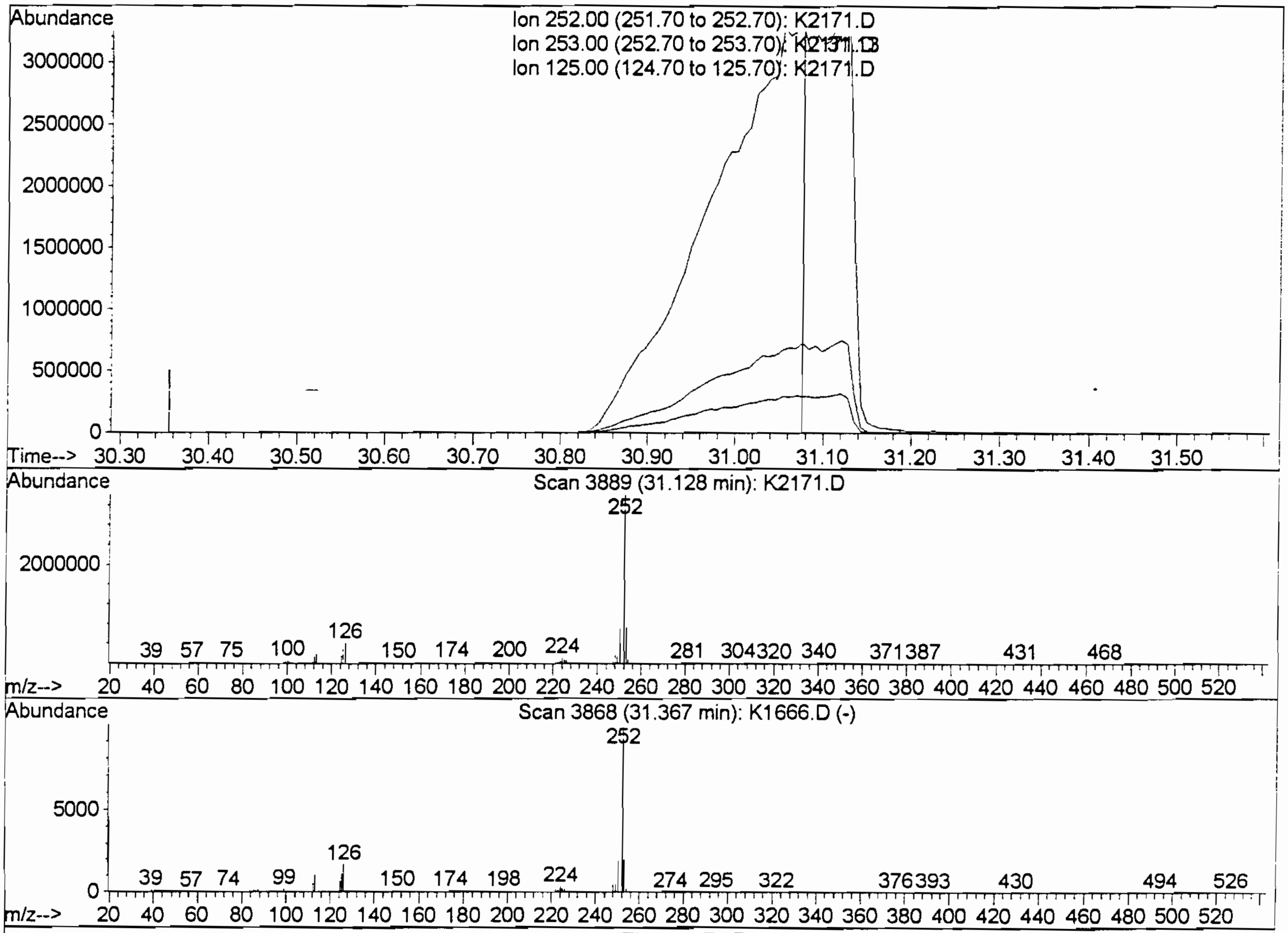
 0.00     0.00     0.00
```

111

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK081400\K2171.D            Vial: 2
Acq On    : 14 Aug 2000  10:36 am                    Operator: SJT
Sample    : 160ng BNA ICC                            Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
Quant Time: Aug 15 14:04 2000
Integration Params: rteint.p                 Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Single Level Calibration
```



TIC: K2171.D

(87) Benzo(k)fluoranthene

31.13min 174.81ng m

response 11046952

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	21.08
125.00	8.20	8.37
0.00	0.00	0.00

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: NEW CASSEL Group: DW-1 INVE

Instrument ID: 5970-K Calibration Date: 8/22/00 Time: 1541

Lab File ID: K2312.D Init. Calib. Date(s): 8/14/00 8/14/00

Init. Calib. Times: 1036 1354

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.595	1.644		-3.1	
1,2-Dichlorobenzene	1.527	1.574		-3.1	
1,3-Dichlorobenzene	1.542	1.622		-5.2	
1,4-Dichlorobenzene	1.691	1.712		-1.2	20.0
2,2'-oxybis(1-Chloropropane)	2.851	2.932		-2.8	
n-Nitroso-di-n-propylamine	1.067	0.933	0.050	12.6	
Hexachloroethane	0.623	0.673		-8.0	
Nitrobenzene	0.409	0.373		8.8	
Isophorone	0.863	0.904		-4.8	
bis(2-Chloroethoxy)methane	0.491	0.534		-8.8	
1,2,4-Trichlorobenzene	0.376	0.383		-1.9	
Naphthalene	1.060	1.016		4.2	
4-Chloroaniline	0.382	0.475		-24.3	
Hexachlorobutadiene	0.229	0.228		0.4	20.0
2-Methylnaphthalene	1.045	1.131		-8.2	
Hexachlorocyclopentadiene	0.186	0.302	0.050	-62.4	
2-Chloronaphthalene	1.077	1.114		-3.4	
2-Nitroaniline	0.430	0.460		-7.0	
Dimethylphthalate	1.448	1.372		5.2	
Acenaphthylene	1.523	1.510		0.9	
2,6-Dinitrotoluene	0.363	0.342		5.8	
3-Nitroaniline	0.369	0.413		-11.9	
Acenaphthene	1.023	1.011		1.2	20.0
Dibenzofuran	1.680	1.747		-4.0	
2,4-Dinitrotoluene	0.575	0.514		10.6	
Diethylphthalate	1.443	1.394		3.4	
4-Chlorophenyl-phenylether	0.741	0.749		-1.1	
Fluorene	1.388	1.292		6.9	
4-Nitroaniline	0.349	0.404		-15.8	
n-Nitrosodiphenylamine	0.442	0.492		-11.3	20.0
Azobenzene	1.555	1.623		-4.4	
4-Bromophenyl-phenylether	0.294	0.314		-6.8	
Hexachlorobenzene	0.285	0.294		-3.2	
Phenanthrene	1.002	0.957		4.5	
Anthracene	1.006	0.957		4.9	
Di-n-butylphthalate	1.315	1.310		0.4	
Fluoranthene	1.246	1.074		13.8	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: NEW CASSEL Group: DW-1 INVE

Instrument ID: 5970-K Calibration Date: 8/22/00 Time: 1541

Lab File ID: K2312.D Init. Calib. Date(s): 8/14/00 8/14/00

Init. Calib. Times: 1036 1354

COMPOUND	$\overline{\text{RRF}}$	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.181	1.456		-23.3	
Butylbenzylphthalate	0.605	0.635		-5.0	
3,3'-Dichlorobenzidine	0.329	0.379		-15.2	
Benzo(a)anthracene	1.189	1.143		3.9	
Chrysene	0.941	0.986		-4.8	
Bis(2-Ethylhexyl)phthalate	0.829	0.830		-0.1	
Di-n-octyl phthalate	1.494	1.555		-4.1	20.0
Benzo(b)fluoranthene	1.472	1.406		4.5	
Benzo(k)fluoranthene	0.803	0.610		24.0	
Benzo(a)pyrene	1.008	0.943		6.4	20.0
Indeno(1,2,3-cd)pyrene	0.934	1.077		-15.3	
Dibenzo(a,h)anthracene	0.785	0.856		-9.0	
Benzo(g,h,i)perylene	0.727	0.813		-11.8	
Nitrobenzene-d5	0.355	0.375		-5.6	
2-Fluorobiphenyl	1.348	1.428		-5.9	
Terphenyl-d14	0.874	0.896		-2.5	

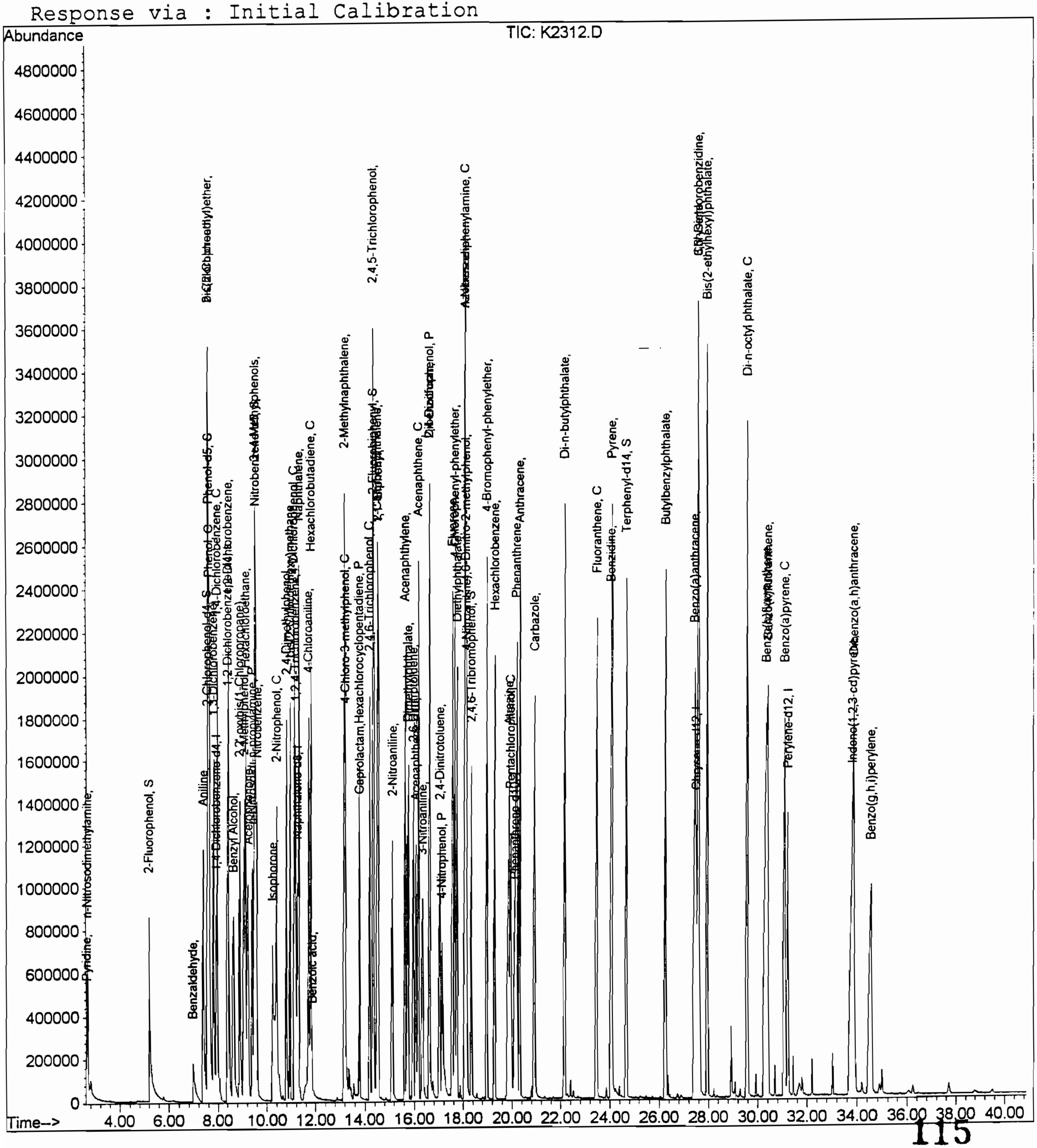
All other compounds must meet a minimum RRF of 0.010.

114

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D Vial: 2
Acq On : 22 Aug 2000 3:41 pm Operator: SJT
Sample : 80ng BNA CCC Inst : BNARTE
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:01 2000 Quant Results File: BK0815C.RES

Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 23 08:19:33 2000
Response via : Initial Calibration



```
                          Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
  Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
  Sample    : 80ng BNA CCC                               Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 23  9:01 2000             Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Wed Aug 23 08:19:33 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


 Internal Standards                       R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
   1) 1,4-Dichlorobenzene-d4              7.92  152    351759    40.00 ng     -0.20
  22) Naphthalene-d8                     11.24  136   1355042    40.00 ng     -0.52
  39) Acenaphthene-d10                   16.05  164    903778    40.00 ng     -0.55
  62) Phenanthrene-d10                   20.11  188   1778327    40.00 ng     -0.57
  74) Chrysene-d12                       27.51  240   1768447    40.00 ng     -0.63
  85) Perylene-d12                       31.24  264   1934003    40.00 ng     -0.62
```

8/30/00

```
 System Monitoring Compounds
   4) 2-Fluorophenol                      5.21  112    978143m   85.40 ng     -0.50
   6) Phenol-d5                           7.61   99   1369979    87.67 ng     -0.44
  11) 2-Chlorophenol-d4                   7.55  132   1069675    84.84 ng     -0.48
  14) 1,2-Dichlorobenzene-d4              8.38  152    638908    83.04 ng     -0.50
  24) Nitrobenzene-d5                     9.54   82   1017109    84.47 ng     -0.48
  41) 2,4,6-Tribromophenol               18.35  330    587933    71.92 ng     -0.56
  44) 2-Fluorobiphenyl                   14.35  172   2581312    84.72 ng     -0.51
  77) Terphenyl-d14                      24.70  244   3169082    82.05 ng     -0.58

 Target Compounds                                                           Qvalue
   2) Pyridine                            2.64   79    531816m   52.39 ng
   3) n-Nitrosodimethylamine              2.68   42    544477m   74.01 ng
   5) Aniline                             7.39   93   1652467    98.47 ng        99
   7) 2-Chlorophenol                      7.59  128   1020306    84.34 ng        96
   8) Benzaldehyde                        6.97   77    237774m   73.52 ng
   9) Phenol                              7.64   94   1435582    88.95 ng        79
  10) bis(2-Chloroethyl)ether             7.58   93   1156651    82.46 ng        94
  12) 1,3-Dichlorobenzene                 7.81  146   1140807m   84.10 ng
  13) 1,4-Dichlorobenzene                 7.96  146   1204719m   81.03 ng
  15) 1,2-Dichlorobenzene                 8.43  146   1107326    82.47 ng        94
  16) Benzyl Alcohol                      8.64  108    740913    87.24 ng        98
  17) 2,2'-oxybis(1-Chloropropan          8.88   45   2062721    82.29 ng        99
  18) 2-Methylphenol                      9.06  108   1181502m   86.63 ng
  19) Hexachloroethane                    9.12  117    473677    86.48 ng        95
  20) n-Nitroso-di-n-propylamine          9.39   70    656217    69.92 ng        98
  21) 3+4-Methylphenols                   9.51  107   2142163   156.14 ng        95
  23) Acetophenone                        9.24  105   1437787m   84.60 ng
  25) Nitrobenzene                        9.60   77   1010235    72.96 ng        95
  26) Isophorone                         10.24   82   2449751m   83.77 ng
  27) 2-Nitrophenol                      10.40  139    632045    83.15 ng        98
  28) 2,4-Dimethylphenol                 10.79  122    900311    85.13 ng        95
  29) bis(2-Chloroethoxy)methane         10.94   93   1448376    86.99 ng        97
  30) 2,4-Dichlorophenol                 11.10  162    967705    80.44 ng        98
-------------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

8/30/00

```
                           Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D               Vial: 2
  Acq On    : 22 Aug 2000   3:41 pm                       Operator: SJT
  Sample    : 80ng BNA CCC                                Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 23  9:01 2000                 Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Wed Aug 23 08:19:33 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

     Compound                          R.T. QIon  Response  Conc Unit   Qvalue
-----------------------------------------------------------------------------
 31) 1,2,4-Trichlorobenzene           11.15  180  1038857   81.65 ng       97
 32) Naphthalene                      11.31  128  2753861   76.72 ng       99
 33) Benzoic acid                     11.86  122   607657m  82.06 ng
 34) 4-Chloroaniline                  11.71  127  1286872   99.39 ng       95
 35) Hexachlorobutadiene              11.81  225   617702   79.67 ng       99
 36) Caprolactam                      13.78  113    22929m  76.03 ng
 37) 4-Chloro-3-methylphenol          13.21  107  1030375   80.33 ng  #     9
 38) 2-Methylnaphthalene              13.17  142  3065054   86.57 ng       86
 40) Hexachlorocyclopentadiene        13.77  237   546257  130.24 ng       99
 42) 2,4,6-Trichlorophenol            14.19  196   784021   82.35 ng       98
 43) 2,4,5-Trichlorophenol            14.32  196   834825   88.53 ng       99
 45) 1,1'-Biphenyl                    14.55  154  2025581   87.37 ng       98
 46) 2-Chloronaphthalene              14.50  162  2012742   82.69 ng       97
 47) 2-Nitroaniline                   15.13   65   831411   85.54 ng       99
 48) Acenaphthylene                   15.63  152  2729954   79.35 ng       99
 49) Dimethylphthalate                15.75  163  2480278   75.80 ng       99
 50) 2,6-Dinitrotoluene               15.95  165   618955   75.37 ng       89
 51) Acenaphthene                     16.16  154  1826958   79.06 ng       97
 52) 3-Nitroaniline                   16.33  138   746124   89.47 ng       91
 53) 2,4-Dinitrophenol                16.62  184   469246  102.60 ng       90
 54) Dibenzofuran                     16.62  168  3157637   83.20 ng       97
 55) 4-Nitrophenol                    17.13  139   576191   79.08 ng       96
 56) 2,4-Dinitrotoluene               17.03  165   929613   71.57 ng       98
 57) Fluorene                         17.57  166  2335756   74.45 ng       99
 58) Diethylphthalate                 17.76  149  2519543   77.27 ng      100
 59) 4-Chlorophenyl-phenylether       17.66  204  1353019   80.77 ng       96
 60) 4-Nitroaniline                   18.16  138   729472   92.55 ng       96
 61) Azobenzene                       18.08   77  2933456   83.51 ng       91
 63) 4,6-Dinitro-2-methylphenol       18.13  198   621662   90.67 ng       91
 64) n-Nitrosodiphenylamine           18.09  169  1749084   88.93 ng       91
 65) 4-Bromophenyl-phenylether        18.99  248  1117788   85.66 ng       98
 66) Hexachlorobenzene                19.31  284  1045174   82.60 ng       98
 67) Atrazine                         19.89  200   692925   76.74 ng       98
 68) Pentachlorophenol                19.95  266   726122   81.96 ng       97
 69) Phenanthrene                     20.20  178  3404568   76.46 ng       99
 70) Anthracene                       20.33  178  3402129   76.04 ng       97
 71) Carbazole                        20.94  167  3400576   85.53 ng       96
 72) Di-n-butylphthalate              22.18  149  4659268   79.70 ng       99
 73) Fluoranthene                     23.48  202  3819475   68.96 ng       98
 75) Benzidine                        24.06  184   514694  113.99 ng       98
 76) Pyrene                           24.10  202  5148306   98.62 ng       96
-----------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

8/30/00

```
                    Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D          Vial: 2
  Acq On    : 22 Aug 2000   3:41 pm                  Operator: SJT
  Sample    : 80ng BNA CCC                           Inst    : BNARTE
  Misc      :                                        Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 23  9:01 2000            Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Wed Aug 23 08:19:33 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


     Compound                          R.T. QIon  Response  Conc Unit   Qvalue
---------------------------------------------------------------------------
 78) Butylbenzylphthalate             26.28  149  2244217    83.89 ng       96
 79) Benzo(a)anthracene               27.47  228  4043086    76.90 ng       99
 80) 3,3'-Dichlorobenzidine           27.61  252  1338807    92.17 ng       99
 81) Chrysene                         27.61  228  3486612    83.84 ng      100
 82) Bis(2-ethylhexyl)phthalate       27.97  149  2935371    80.12 ng       97
 83) Di-n-octyl phthalate             29.59  149  5500113    83.27 ng       99
 84) Indeno(1,2,3-cd)pyrene           33.84  276  3809628    92.22 ng       90
 86) Benzo(b)fluoranthene             30.36  252  5436935    76.37 ng       98
 87) Benzo(k)fluoranthene             30.42  252  2358355    60.75 ng       99
 88) Benzo(a)pyrene                   31.12  252  3646553    74.84 ng       98
 89) Dibenzo(a,h)anthracene           33.90  278  3311870    87.21 ng       99
 90) Benzo(g,h,i)perylene             34.58  276  3146528    89.49 ng       99







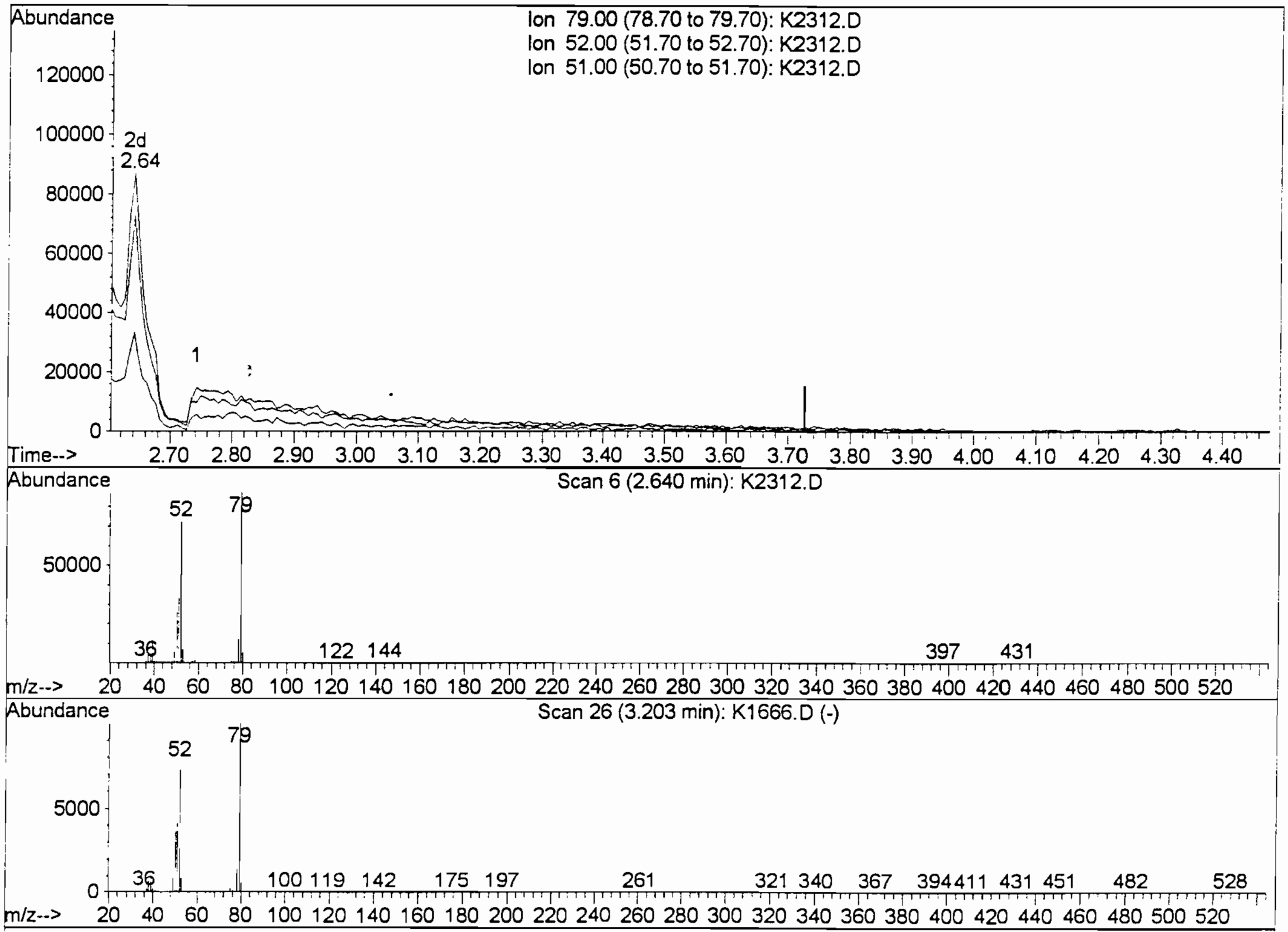



---------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

```
                         Quantitation Report

  Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D                Vial: 2
  Acq On    : 22 Aug 2000   3:41 pm                        Operator: SJT
  Sample    : 80ng BNA CCC                                 Inst     : BNARTE
  Misc      :                                              Multiplr: 1.00
  Q8aIntTgmetiAngPa3am8:57t2000.p               Quant Results File: temp.res

  Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update    : Mon Jul 17 17:42:02 2000
  Response via   : Multiple Level Calibration
```



(2) Pyridine ( )

2.64min 52.39ng m

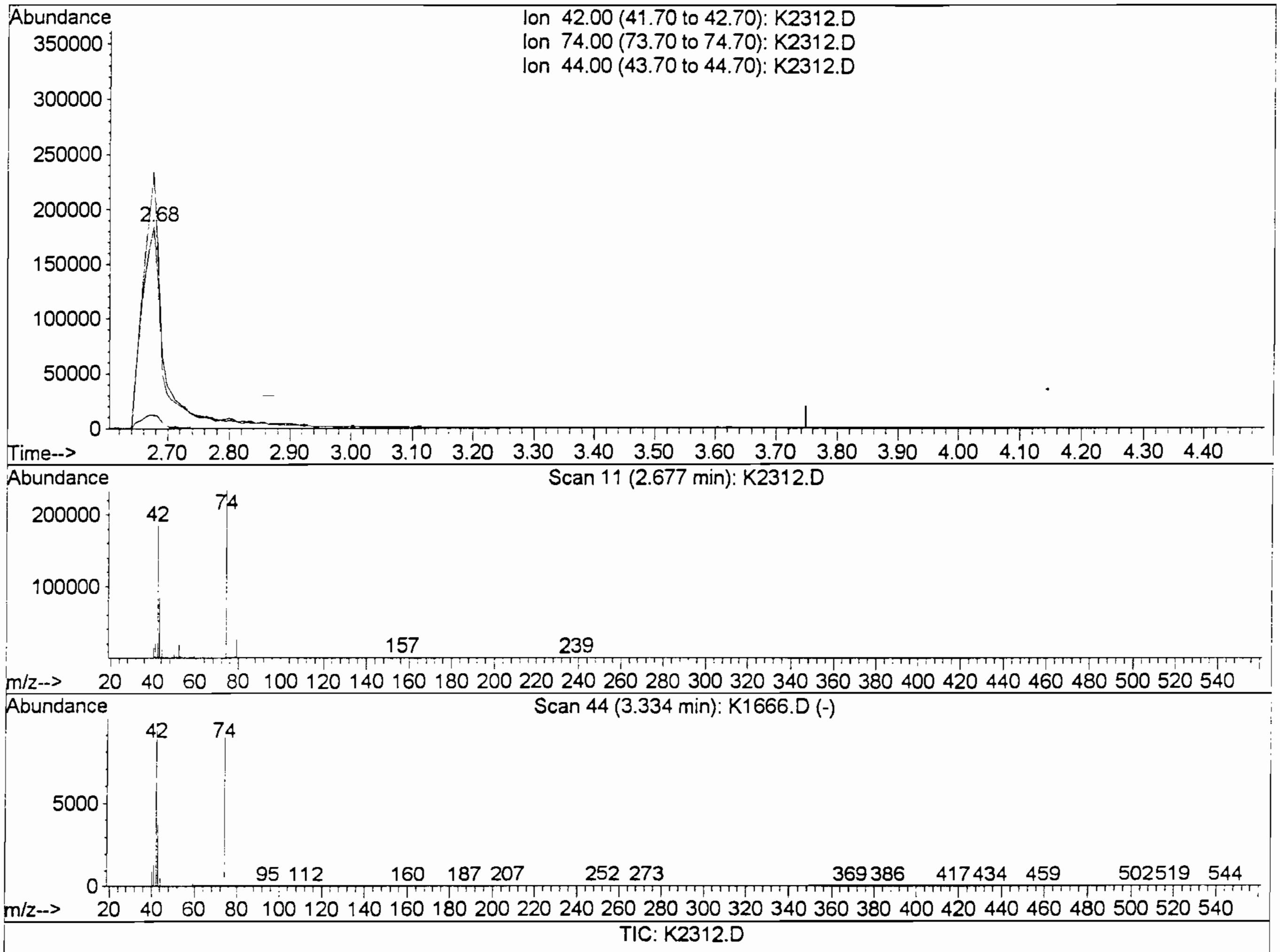
response 531816

Ion	Exp%	Act%
79.00	100	100
52.00	85.50	83.37
51.00	38.90	38.50
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D          Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                   Operator: SJT
Sample    : 80ng BNA CCC                            Inst    : BNARTE
Misc      :                                         Multiplr: 1.00
MSaintegmetiAngPa3am8:57t2000.p          Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Multiple Level Calibration
```



(3) n-Nitrosodimethylamine ( )

2.68min 74.01ng m

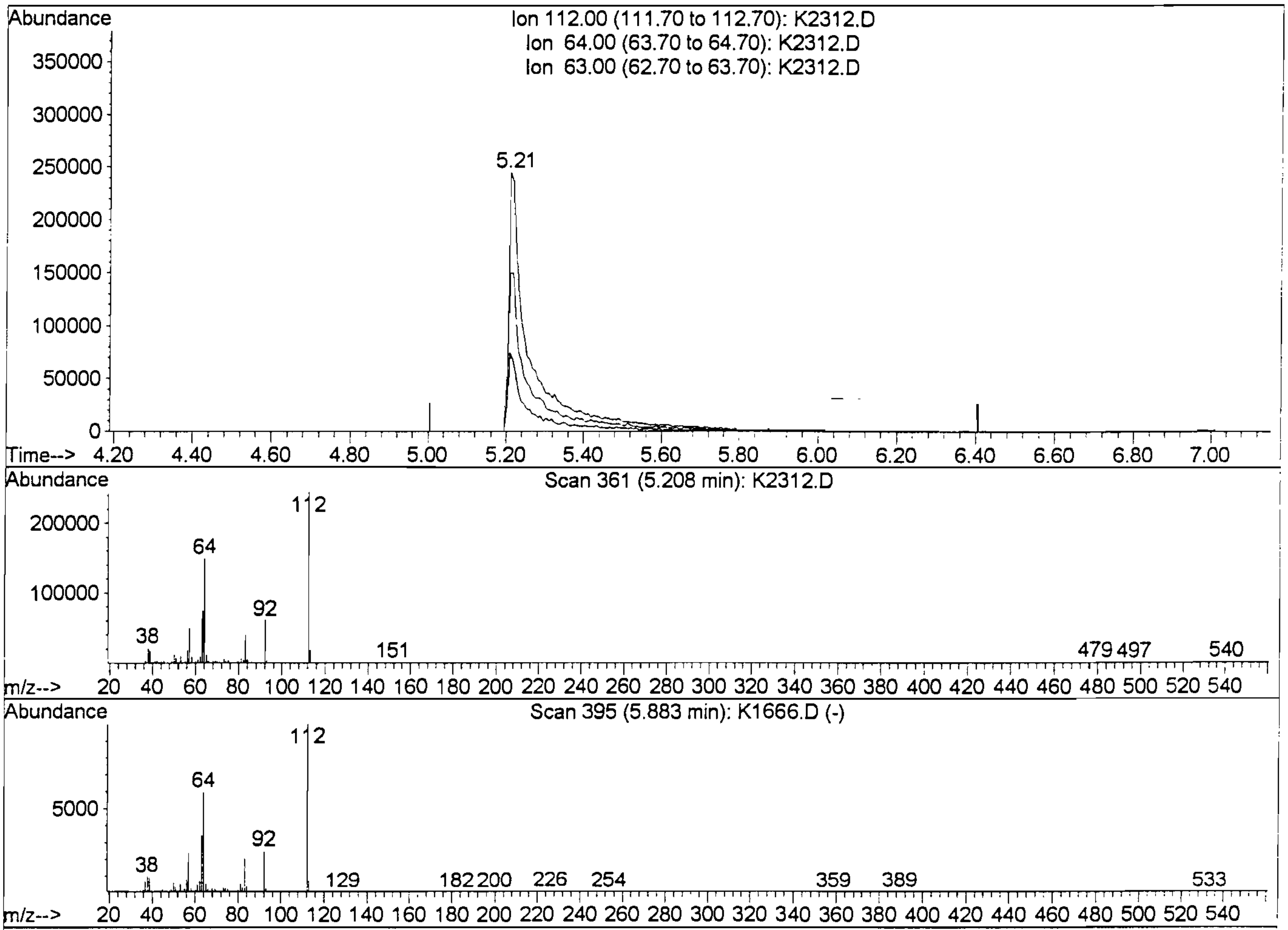
response 544477

Ion	Exp%	Act%
42.00	100	100
74.00	92.70	126.95
44.00	7.20	6.67
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
Sample    : 80ng BNA CCC                               Inst     : BNARTE
Misc      :                                            Multiplr: 1.00
Q3antIntegmetiAngP23am8:58t2000.p            Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



TIC: K2312.D

(4) 2-Fluorophenol (S)

5.21min 85.40ng m

response 978143

Ion	Exp%	Act%
112.00	100	100
64.00	62.70	61.07
63.00	31.70	30.65
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QSaIntegmatiAngP23am8:58t2000.p             Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
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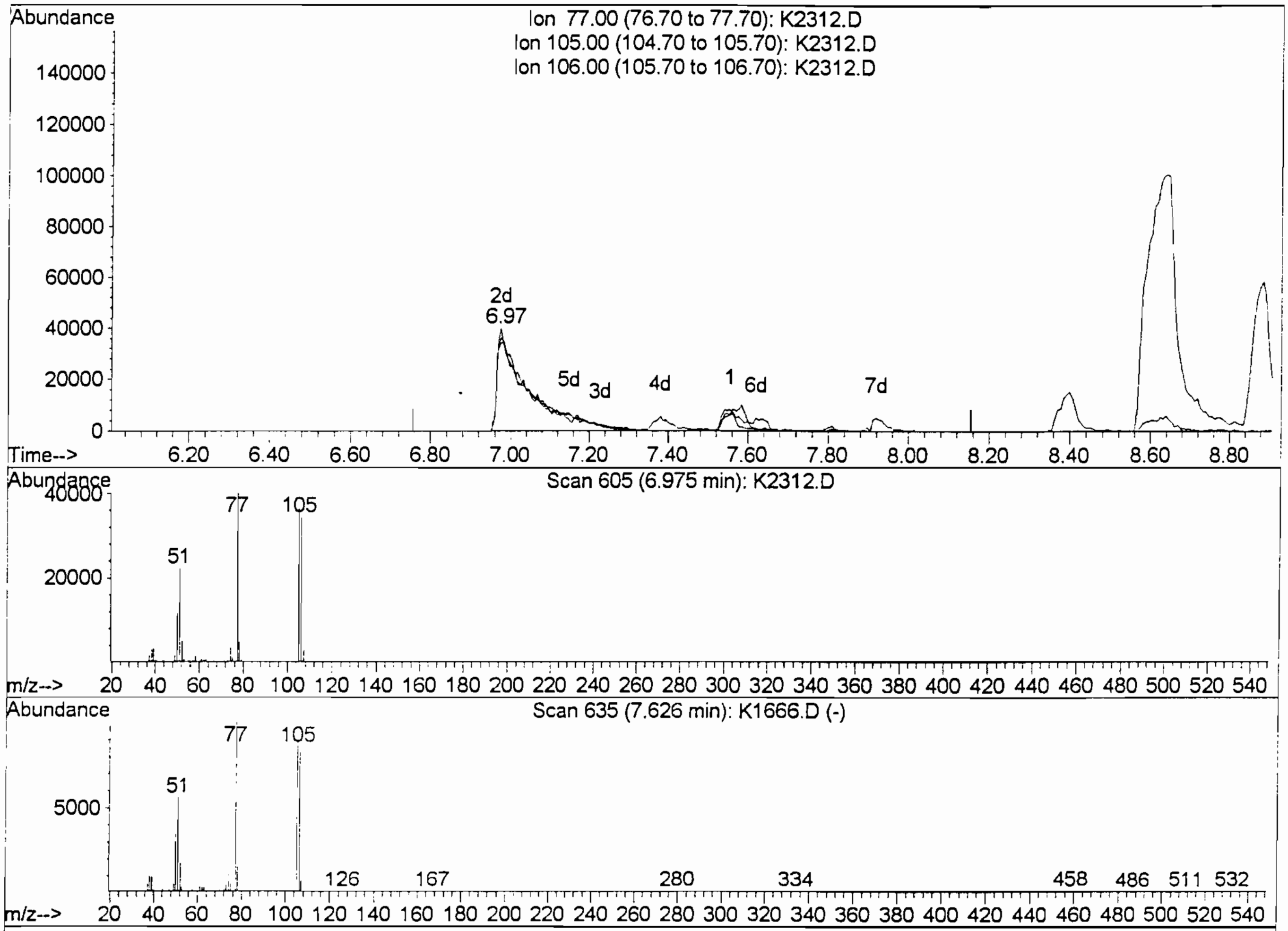

TIC: K2312.D

(8) Benzaldehyde

6.97min 73.52ng m

response 237774

Ion	Exp%	Act%
77.00	100	100
105.00	95.50	90.91
106.00	91.20	85.39
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
QIanntegmatiAngP23am8:58t2000.p                Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
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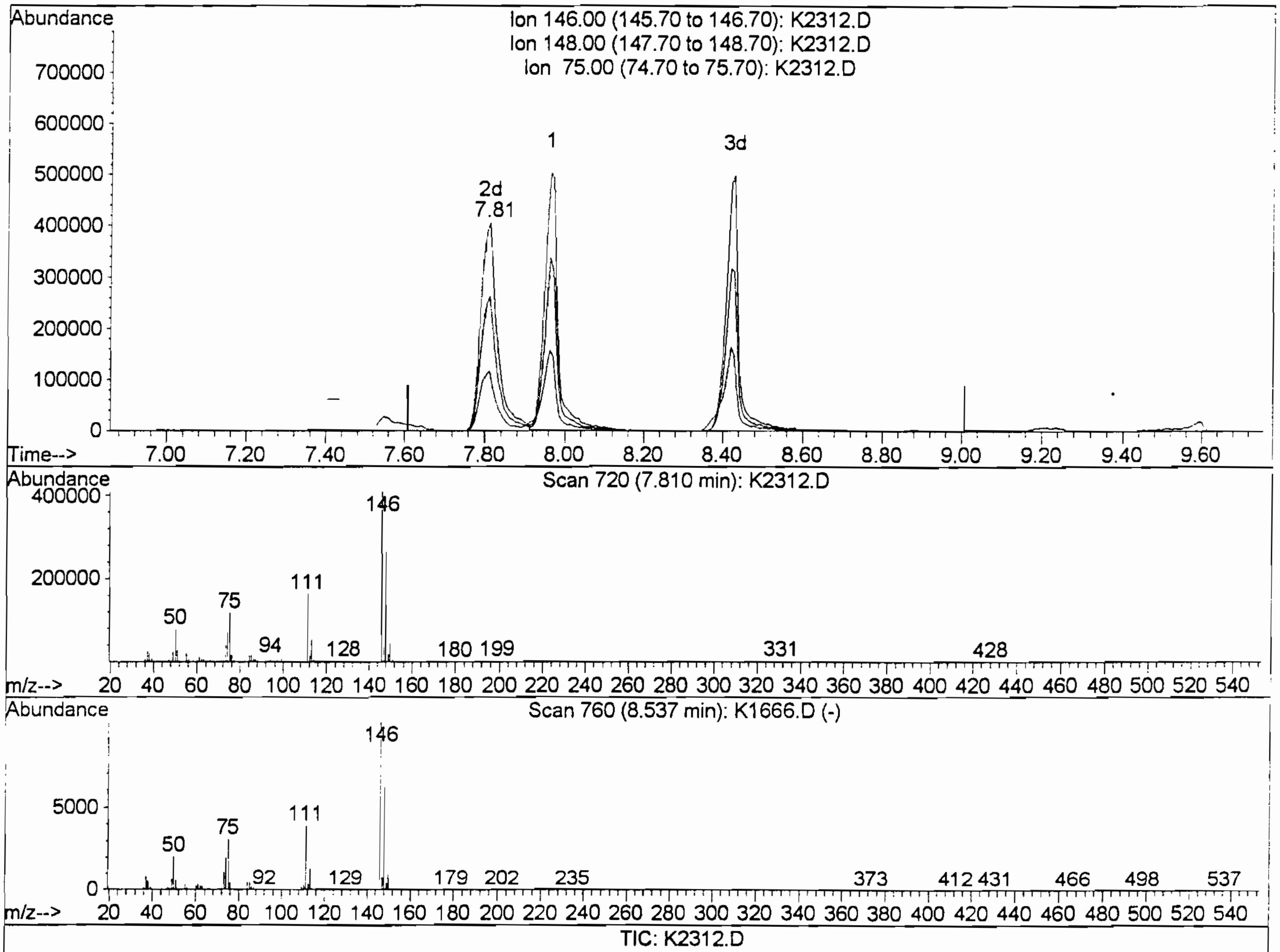

(12) 1,3-Dichlorobenzene

7.81min 84.10ng m

response 1140807

Ion	Exp%	Act%
146.00	100	100
148.00	61.90	64.46
75.00	32.60	28.74
0.00	0.00	0.00

```
                         Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D               Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                       Operator: SJT
Sample    : 80ng BNA CCC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
QdantEgmetiAngPa3am8:58t2000.p             Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
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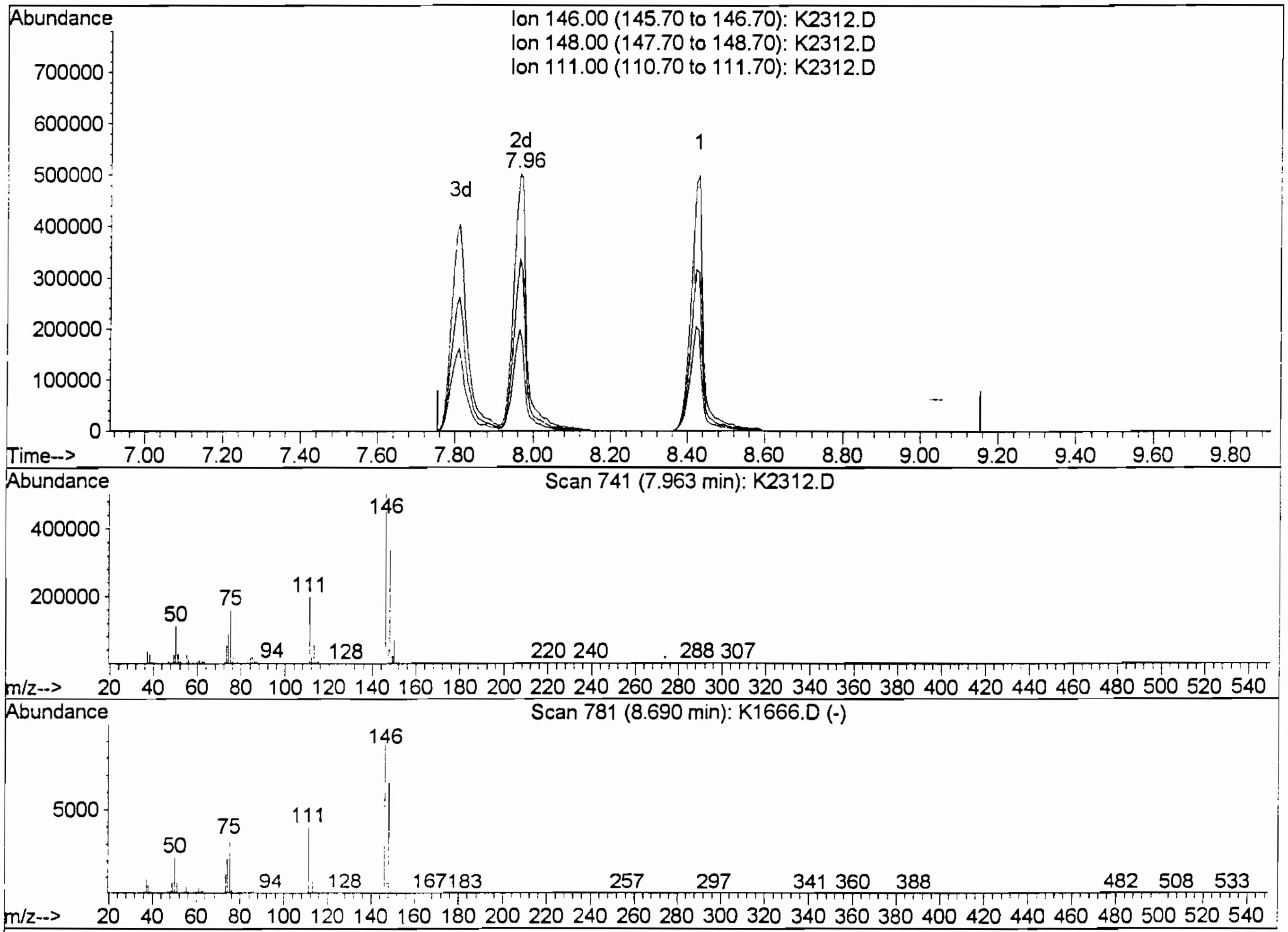


TIC: K2312.D

(13) 1,4-Dichlorobenzene (C)

7.96min 81.03ng m

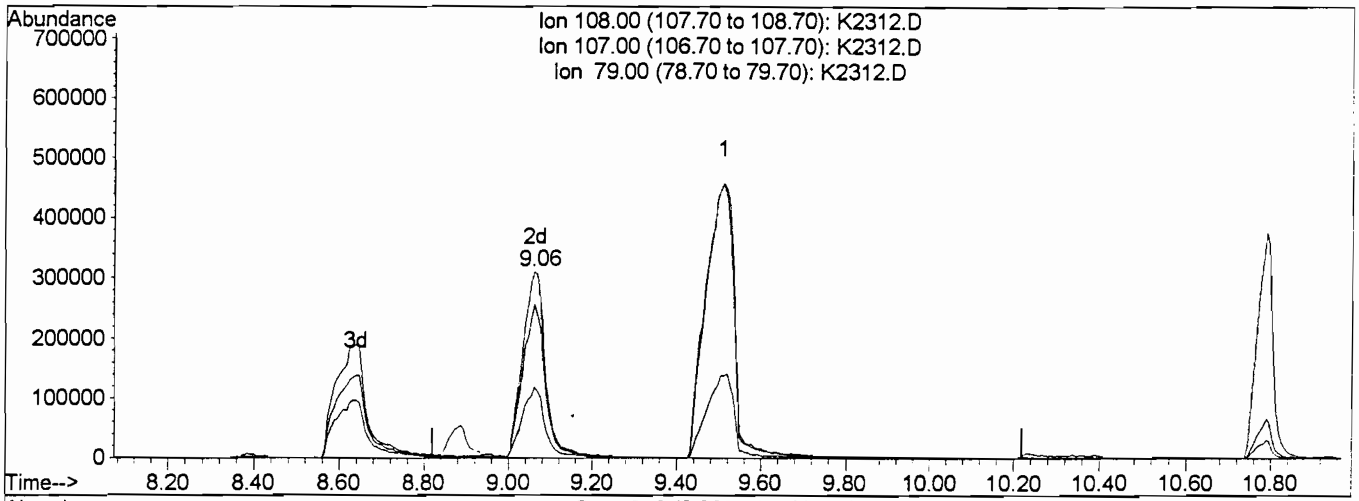
response 1204719

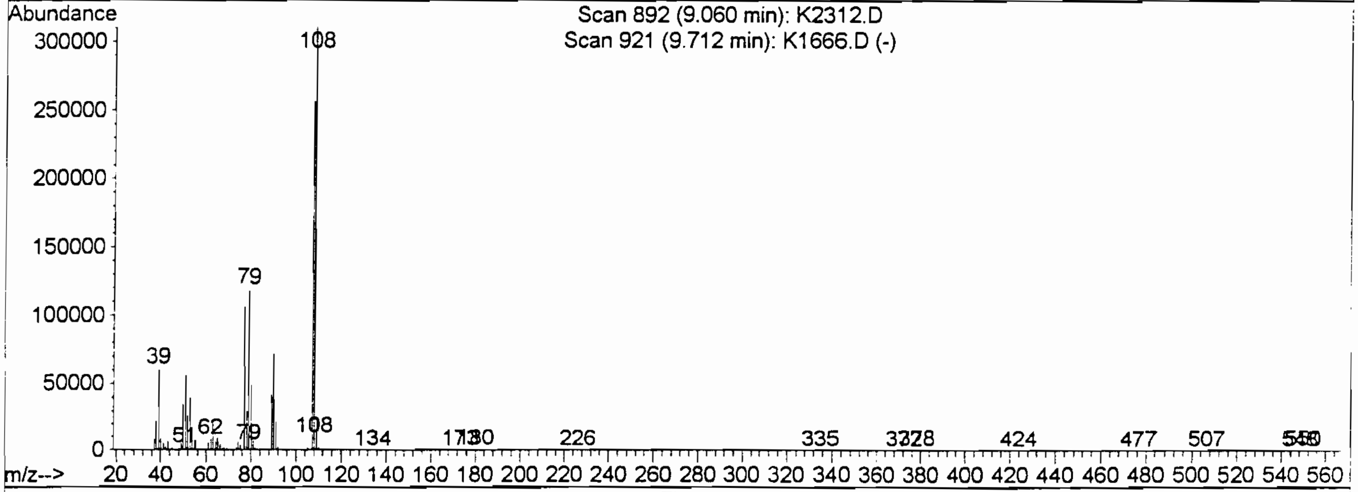
Ion	Exp%	Act%
146.00	100	100
148.00	65.00	66.97
111.00	40.10	39.58
0.00	0.00	0.00

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D   Vial: 2
Acq On : 22 Aug 2000 3:41 pm   Operator: SJT
Sample : 80ng BNA CCC   Inst : BNARTE
Misc :   Multiplr: 1.00
Quant Time: Aug 23 8:59 2000
Integration Params: rteint.p   Quant Results File: temp.res

Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jul 17 17:42:02 2000
Response via : Multiple Level Calibration





TIC: K2312.D

(18) 2-Methylphenol

9.06min 86.63ng m

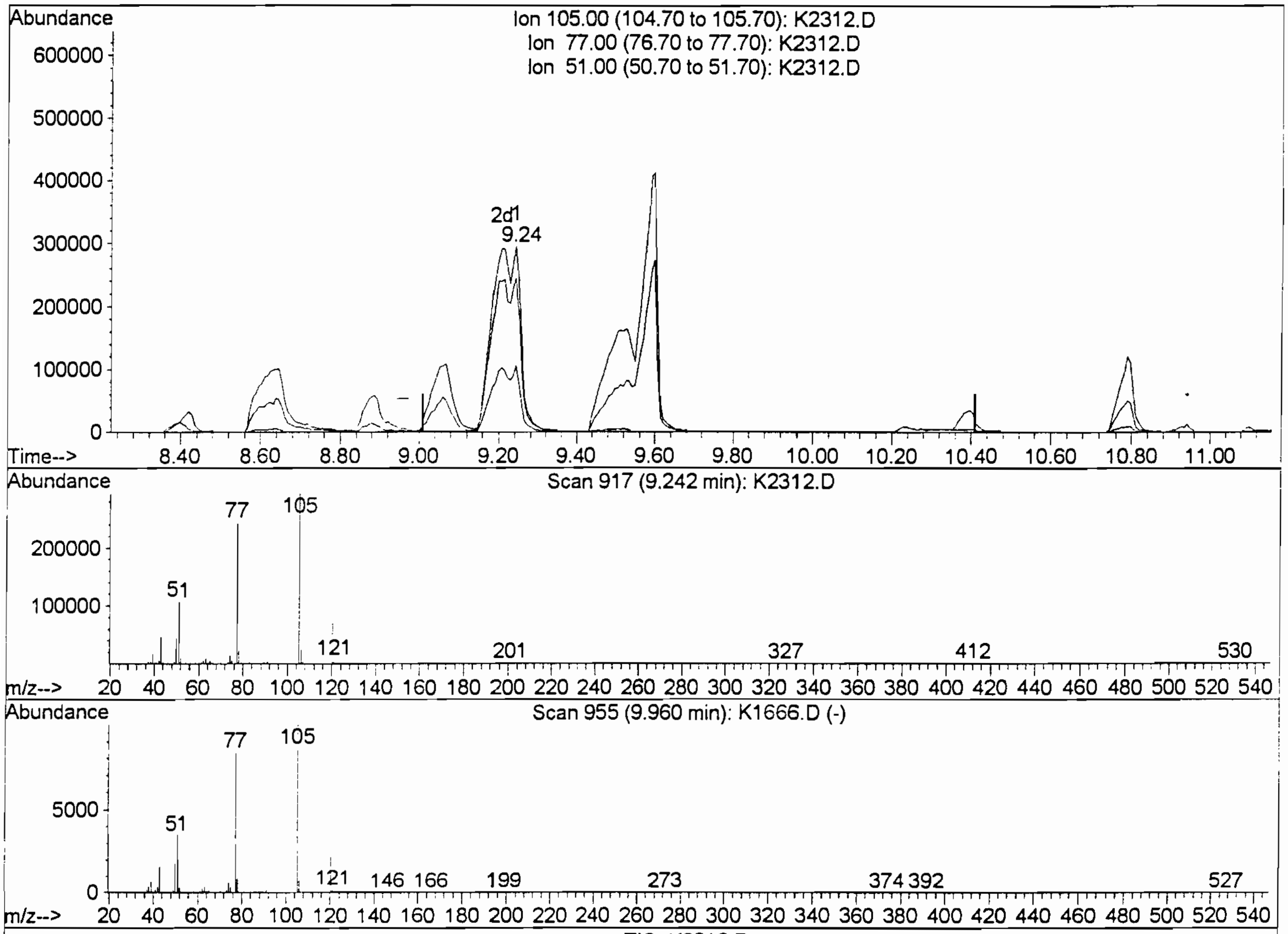
response 1181502

Ion	Exp%	Act%
108.00	100	100
107.00	88.10	82.48
79.00	43.80	38.20
0.00	0.00	0.00

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D
Vial: 2
Acq On : 22 Aug 2000 3:41 pm
Operator: SJT
Sample : 80ng BNA CCC
Inst : BNARTE
Misc :
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 8:59 2000
Quant Results File: temp.res

Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jul 17 17:42:02 2000
Response via : Multiple Level Calibration



TIC: K2312.D

(23) Acetophenone

9.24min 84.60ng m

response 1437787

Ion	Exp%	Act%
105.00	100	100
77.00	83.20	82.73
51.00	35.50	36.18
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D          Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                  Operator: SJT
Sample    : 80ng BNA CCC                           Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23  9:00 2000               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
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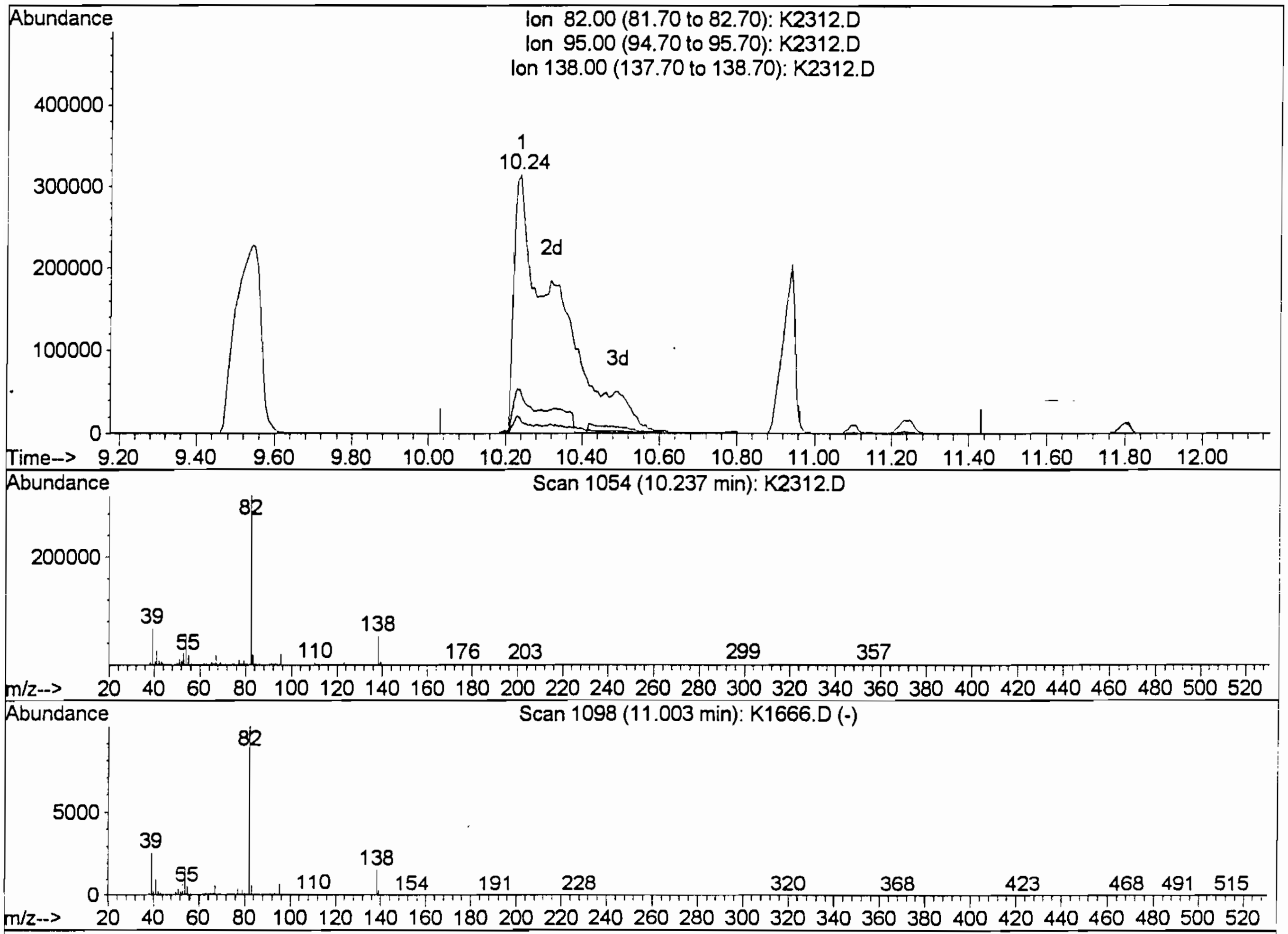

TIC: K2312.D

(26) Isophorone

10.24min 83.77ng m

response 2449751

Ion	Exp%	Act%
82.00	100	100
95.00	6.80	5.95
138.00	17.10	16.64
0.00	0.00	0.00

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Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                       Operator: SJT
Sample    : 80ng BNA CCC                                Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
Quant Time: Aug 23  9:00 2000               Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Multiple Level Calibration
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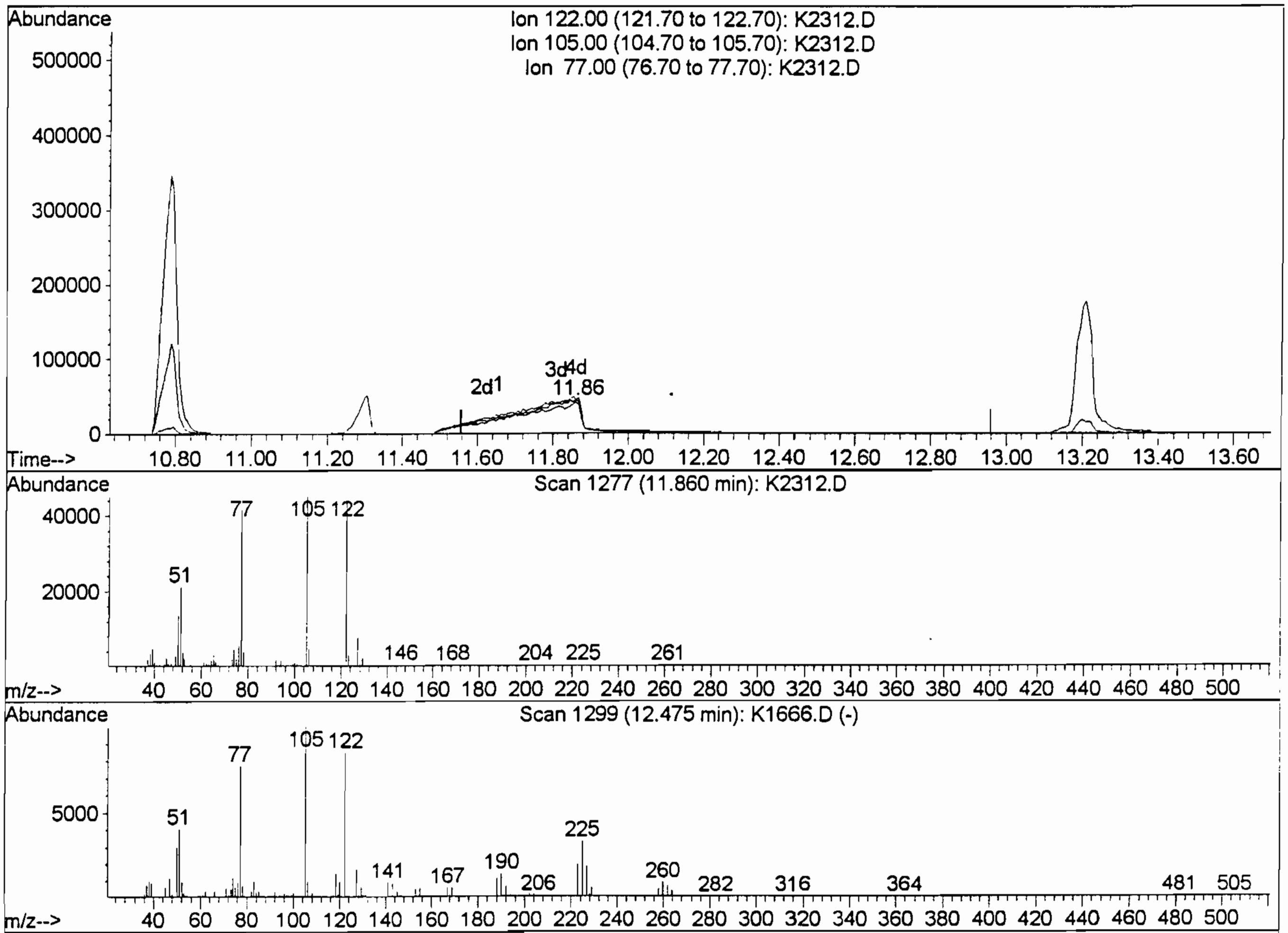

TIC: K2312.D

(33) Benzoic acid

11.86min 82.06ng m

response 607657

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	102.19#
77.00	94.20	94.18
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Q8antTegmatiAngPa3am9:01t2000.p            Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Multiple Level Calibration
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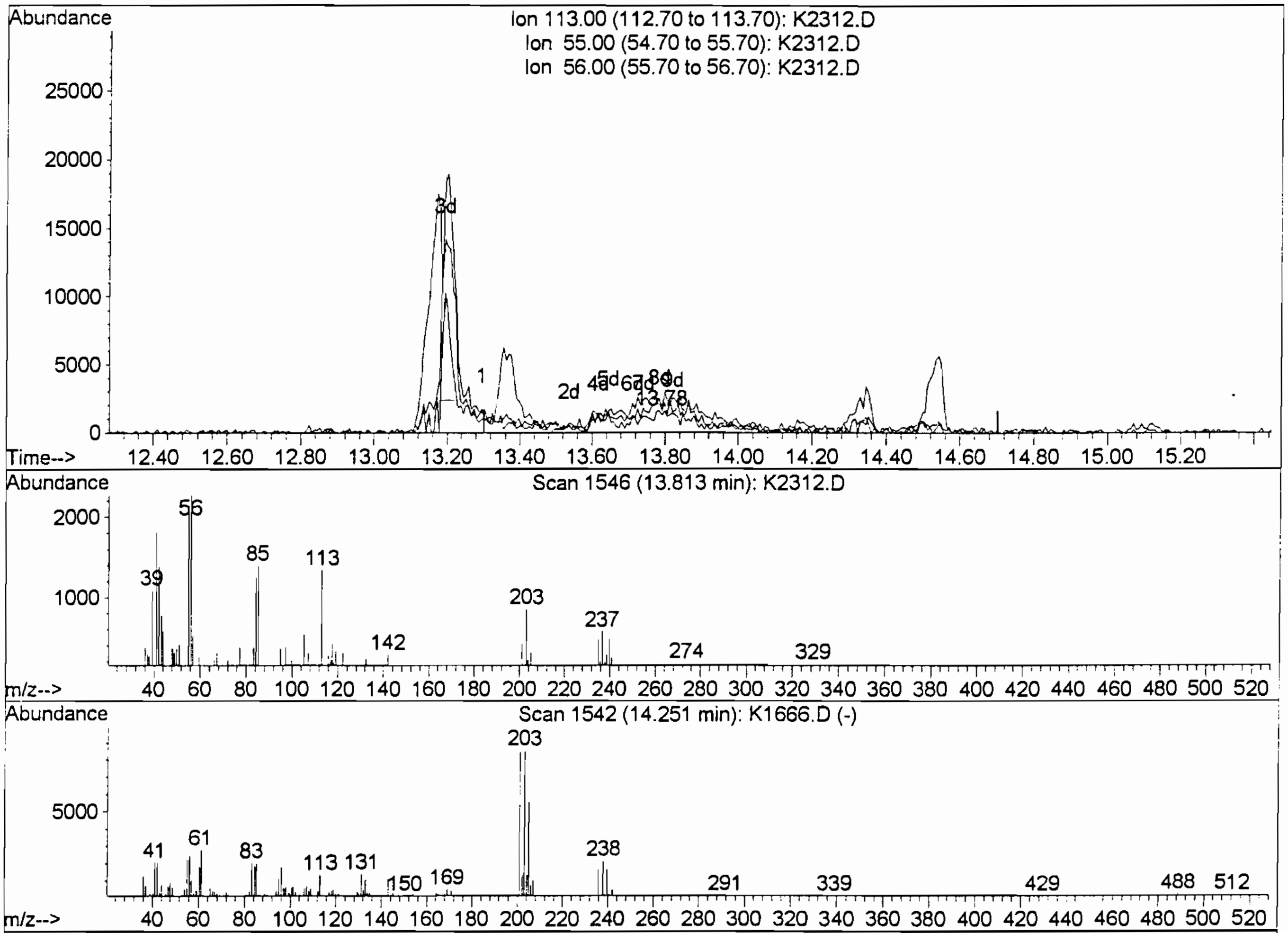

TIC: K2312.D

(36) Caprolactam

13.78min 76.03ng m

response 22929

Ion	Exp%	Act%
113.00	100	100
55.00	168.90	156.80
56.00	115.20	126.65
0.00	0.00	0.00

```
                  Evaluate Continuing Calibration Report

  Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
  Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
  Sample    : 80ng BNA CCC                               Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p

  Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update   : Mon Jul 17 17:42:02 2000
  Response via  : Multiple Level Calibration

  Min. RRF      :   0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
  Max. RRF Dev  :  20%     Max. Rel. Area : 150%

       Compound                          AvgRF   CCRF     %Dev Area% Dev(min)
 -----------------------------------------------------------------------------
 1 I   1,4-Dichlorobenzene-d4            1.000   1.000     0.0   51   -0.20
 2     Pyridine                          1.154   0.756    34.5#  33   -0.39
 3     n-Nitrosodimethylamine            0.837   0.774     7.5   47   -0.37
 4 S   2-Fluorophenol                    1.302   1.390    -6.8   55   -0.50
 5     Aniline                           1.908   2.349   -23.1#  62   -0.47
 6 S   Phenol-d5                         1.777   1.947    -9.6   55   -0.44
 7     2-Chlorophenol                    1.376   1.450    -5.4   53   -0.49
 8     Benzaldehyde                      0.368   0.338     8.2   28   -0.48
 9 C   Phenol                            1.835   2.041   -11.2   54   -0.44
10     bis(2-Chloroethyl)ether           1.595   1.644    -3.1   55   -0.46
11 S   2-Chlorophenol-d4                 1.434   1.520    -6.0   54   -0.48
12     1,3-Dichlorobenzene               1.542   1.622    -5.2   53   -0.50
13 C   1,4-Dichlorobenzene               1.691   1.712    -1.2   52   -0.49
14 s   1,2-Dichlorobenzene-d4            0.875   0.908    -3.8   52   -0.50#
15     1,2-Dichlorobenzene               1.527   1.574    -3.1   52   -0.49
16     Benzyl Alcohol                    0.966   1.053    -9.0   53   -0.45
17     2,2'-oxybis(1-Chloropropane       2.851   2.932    -2.8   51   -0.49
18     2-Methylphenol                    1.551   1.679    -8.3   54   -0.46
19     Hexachloroethane                  0.623   0.673    -8.0   54   -0.51#
20 P   n-Nitroso-di-n-propylamine        1.067   0.933    12.6   43   -0.46
21     3+4-Methylphenols                 1.560   1.522     2.4   48   -0.45

22 I   Naphthalene-d8                    1.000   1.000     0.0   46   -0.52#
23     Acetophenone                      0.502   0.531    -5.8   49   -0.47
24 S   Nitrobenzene-d5                   0.355   0.375    -5.6   48   -0.48
25     Nitrobenzene                      0.409   0.373     8.8   42   -0.49
26     Isophorone                        0.863   0.904    -4.8   49   -0.49
27 C   2-Nitrophenol                     0.224   0.233    -4.0   49   -0.50#
28     2,4-Dimethylphenol                0.312   0.332    -6.4   53   -0.47
29     bis(2-Chloroethoxy)methane        0.491   0.534    -8.8   52   -0.47
30 C   2,4-Dichlorophenol                0.355   0.357    -0.6   47   -0.50
31     1,2,4-Trichlorobenzene            0.376   0.383    -1.9   48   -0.52#
32     Naphthalene                       1.060   1.016     4.2   45   -0.51#
33     Benzoic acid                      0.219   0.224    -2.3   48   -0.40
34     4-Chloroaniline                   0.382   0.475   -24.3#  55   -0.50
35 C   Hexachlorobutadiene               0.229   0.228     0.4   46   -0.51#
36     Caprolactam                       0.009   0.008    11.1   42   -0.22
37 C   4-Chloro-3-methylphenol           0.379   0.380    -0.3   46   -0.50#
38     2-Methylnaphthalene               1.045   1.131    -8.2   50   -0.53#

39 I   Acenaphthene-d10                  1.000   1.000     0.0   42   -0.55#
-------------------------------------------------------------------------------
 (#) = Out of Range
```

```
                    Evaluate Continuing Calibration Report

   Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D              Vial: 2
   Acq On    : 22 Aug 2000   3:41 pm                      Operator: SJT
   Sample    : 80ng BNA CCC                               Inst    : BNARTE
   Misc      :                                            Multiplr: 1.00
   MS Integration Params: rteint.p

   Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
   Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
   Last Update     : Mon Jul 17 17:42:02 2000
   Response via    : Multiple Level Calibration

   Min. RRF      :    0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
   Max. RRF Dev  :  20%      Max. Rel. Area : 150%

        Compound                              AvgRF   CCRF       %Dev Area% Dev(min)
 ----------------------------------------------------------------------------------
40 P    Hexachlorocyclopentadiene             0.186   0.302     -62.4#   65  -0.53#
41 S    2,4,6-Tribromophenol                  0.362   0.325      10.2    37  -0.56#
42 C    2,4,6-Trichlorophenol                 0.421   0.434      -3.1    42  -0.51#
43      2,4,5-Trichlorophenol                 0.417   0.462     -10.8    44  -0.52#
44 S    2-Fluorobiphenyl                      1.348   1.428      -5.9    45  -0.51#
45      1,1'-Biphenyl                         1.026   1.121      -9.3    46  -0.52#
46      2-Chloronaphthalene                   1.077   1.114      -3.4    44  -0.54#
47      2-Nitroaniline                        0.430   0.460      -7.0    43  -0.51#
48      Acenaphthylene                        1.523   1.510       0.9    42  -0.54#
49      Dimethylphthalate                     1.448   1.372       5.2    40  -0.51#
50      2,6-Dinitrotoluene                    0.363   0.342       5.8    39  -0.52#
51 C    Acenaphthene                          1.023   1.011       1.2    42  -0.56#
52      3-Nitroaniline                        0.369   0.413     -11.9    44  -0.52#
53 P    2,4-Dinitrophenol                     0.202   0.260     -28.7#   41  -0.52#
54      Dibenzofuran                          1.680   1.747      -4.0    43  -0.55#
55 P    4-Nitrophenol                         0.322   0.319       0.9    41  -0.48
56      2,4-Dinitrotoluene                    0.575   0.514      10.6    37  -0.52#
57      Fluorene                              1.388   1.292       6.9    39  -0.56#
58      Diethylphthalate                      1.443   1.394       3.4    40  -0.51#
59      4-Chlorophenyl-phenylether            0.741   0.749      -1.1    42  -0.53#
60      4-Nitroaniline                        0.349   0.404     -15.8    50  -0.52#
61      Azobenzene                            1.555   1.623      -4.4    44  -0.54#

62 I    Phenanthrene-d10                      1.000   1.000       0.0    37  -0.57#
63      4,6-Dinitro-2-methylphenol            0.154   0.175     -13.6    40  -0.54#
64 C    n-Nitrosodiphenylamine                0.442   0.492     -11.3    42  -0.54#
65      4-Bromophenyl-phenylether             0.294   0.314      -6.8    39  -0.55#
66      Hexachlorobenzene                     0.285   0.294      -3.2    38  -0.56#
67      Atrazine                              0.203   0.195       3.9    38  -0.52#
68 C    Pentachlorophenol                     0.199   0.204      -2.5    36  -0.55#
69      Phenanthrene                          1.002   0.957       4.5    35  -0.58#
70      Anthracene                            1.006   0.957       4.9    35  -0.58#
71      Carbazole                             0.894   0.956      -6.9    39  -0.57#
72      Di-n-butylphthalate                   1.315   1.310       0.4    37  -0.54#
73 C    Fluoranthene                          1.246   1.074      13.8    32  -0.61#

74 I    Chrysene-d12                          1.000   1.000       0.0    33  -0.63#
75      Benzidine                             0.102   0.146     -43.1#   40  -0.59#
76      Pyrene                                1.181   1.456     -23.3#   41  -0.60#
77 S    Terphenyl-d14                         0.874   0.896      -2.5    34  -0.58#
78      Butylbenzylphthalate                  0.605   0.635      -5.0    35  -0.56#
----------------------------------------------------------------------------------
 (#) = Out of Range
```

```
                Evaluate Continuing Calibration Report

  Data File : H:\HPCHEM\1\DATA\BK082200\K2312.D          Vial: 2
  Acq On    : 22 Aug 2000   3:41 pm                  Operator: SJT
  Sample    : 80ng BNA CCC                           Inst    : BNARTE
  Misc      :                                        Multiplr: 1.00
  MS Integration Params: rteint.p

  Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update    : Mon Jul 17 17:42:02 2000
  Response via   : Multiple Level Calibration

  Min. RRF     :   0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  20%     Max. Rel. Area : 150%

      Compound                          AvgRF    CCRF       %Dev Area% Dev(min)
 ----------------------------------------------------------------------------
79     Benzo(a)anthracene               1.189    1.143       3.9   32  -0.61#
80     3,3'-Dichlorobenzidine           0.329    0.379     -15.2   34  -0.59#
81     Chrysene                         0.941    0.986      -4.8   34  -0.63#
82     Bis(2-ethylhexyl)phthalate       0.829    0.830      -0.1   33  -0.55#
83 C   Di-n-octyl phthalate             1.494    1.555      -4.1   34  -0.55#
84     Indeno(1,2,3-cd)pyrene           0.934    1.077     -15.3   37  -0.85#

85 I   Perylene-d12                     1.000    1.000       0.0   35  -0.62#
86     Benzo(b)fluoranthene             1.472    1.406       4.5   30  -0.62#
87     Benzo(k)fluoranthene             0.803    0.610      24.0#  33  -0.64#
88 C   Benzo(a)pyrene                   1.008    0.943       6.4   33  -0.62#
89     Dibenzo(a,h)anthracene           0.785    0.856      -9.0   38  -0.87#
90     Benzo(g,h,i)perylene             0.727    0.813     -11.8   39  -0.93#

 ----------------------------------------------------------------------------
 (#) = Out of Range               SPCC's out = 0   CCC's out = 0
```

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: NEW CASSEL Group: DW-1 INVE

Instrument ID: 5970-K Calibration Date: 8/23/00 Time: 1229

Lab File ID: K2327.D Init. Calib. Date(s): 8/14/00 8/14/00

Init. Calib. Times: 1036 1354

COMPOUND	$\overline{\text{RRF}}$	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.595	1.727		-8.3	
1,2-Dichlorobenzene	1.527	1.599		-4.7	
1,3-Dichlorobenzene	1.542	1.657		-7.5	
1,4-Dichlorobenzene	1.691	1.744		-3.1	20.0
2,2'-oxybis(1-Chloropropane)	2.851	2.901		-1.8	
n-Nitroso-di-n-propylamine	1.067	0.949	0.050	11.1	
Hexachloroethane	0.623	0.655		-5.1	
Nitrobenzene	0.409	0.340		16.9	
Isophorone	0.863	0.897		-3.9	
bis(2-Chloroethoxy)methane	0.491	0.530		-7.9	
1,2,4-Trichlorobenzene	0.376	0.386		-2.7	
Naphthalene	1.060	1.006		5.1	
4-Chloroaniline	0.382	0.474		-24.1	
Hexachlorobutadiene	0.229	0.229		0.0	20.0
2-Methylnaphthalene	1.045	0.942		9.9	
Hexachlorocyclopentadiene	0.186	0.288	0.050	-54.8	
2-Chloronaphthalene	1.077	1.168		-8.4	
2-Nitroaniline	0.430	0.447		-4.0	
Dimethylphthalate	1.448	1.397		3.5	
Acenaphthylene	1.523	1.529		-0.4	
2,6-Dinitrotoluene	0.363	0.337		7.2	
3-Nitroaniline	0.369	0.394		-6.8	
Acenaphthene	1.023	1.016		0.7	20.0
Dibenzofuran	1.680	1.746		-3.9	
2,4-Dinitrotoluene	0.575	0.522		9.2	
Diethylphthalate	1.443	1.374		4.8	
4-Chlorophenyl-phenylether	0.741	0.762		-2.8	
Fluorene	1.388	1.322		4.8	
4-Nitroaniline	0.349	0.343		1.7	
n-Nitrosodiphenylamine	0.442	0.493		-11.5	20.0
Azobenzene	1.555	1.572		-1.1	
4-Bromophenyl-phenylether	0.294	0.316		-7.5	
Hexachlorobenzene	0.285	0.293		-2.8	
Phenanthrene	1.002	0.937		6.5	
Anthracene	1.006	0.947		5.9	
Di-n-butylphthalate	1.315	1.131		14.0	
Fluoranthene	1.246	1.071		14.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: NEW CASSEL Group: DW-1 INVE

Instrument ID: 5970-K Calibration Date: 8/23/00 Time: 1229

Lab File ID: K2327.D Init. Calib. Date(s): 8/14/00 8/14/00

Init. Calib. Times: 1036 1354

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.181	1.420		-20.2	
Butylbenzylphthalate	0.605	0.605		0.0	
3,3'-Dichlorobenzidine	0.329	0.367		-11.6	
Benzo(a)anthracene	1.189	1.124		5.5	
Chrysene	0.941	1.001		-6.4	
Bis(2-Ethylhexyl)phthalate	0.829	0.826		0.4	
Di-n-octyl phthalate	1.494	1.487		0.5	20.0
Benzo(b)fluoranthene	1.472	1.523		-3.5	
Benzo(k)fluoranthene	0.803	0.541		32.6	
Benzo(a)pyrene	1.008	0.952		5.6	20.0
Indeno(1,2,3-cd)pyrene	0.934	0.832		10.9	
Dibenzo(a,h)anthracene	0.785	0.828		-5.5	
Benzo(g,h,i)perylene	0.727	0.781		-7.4	
Nitrobenzene-d5	0.355	0.371		-4.5	
2-Fluorobiphenyl	1.348	1.499		-11.2	
Terphenyl-d14	0.874	0.875		-0.1	

All other compounds must meet a minimum RRF of 0.010.

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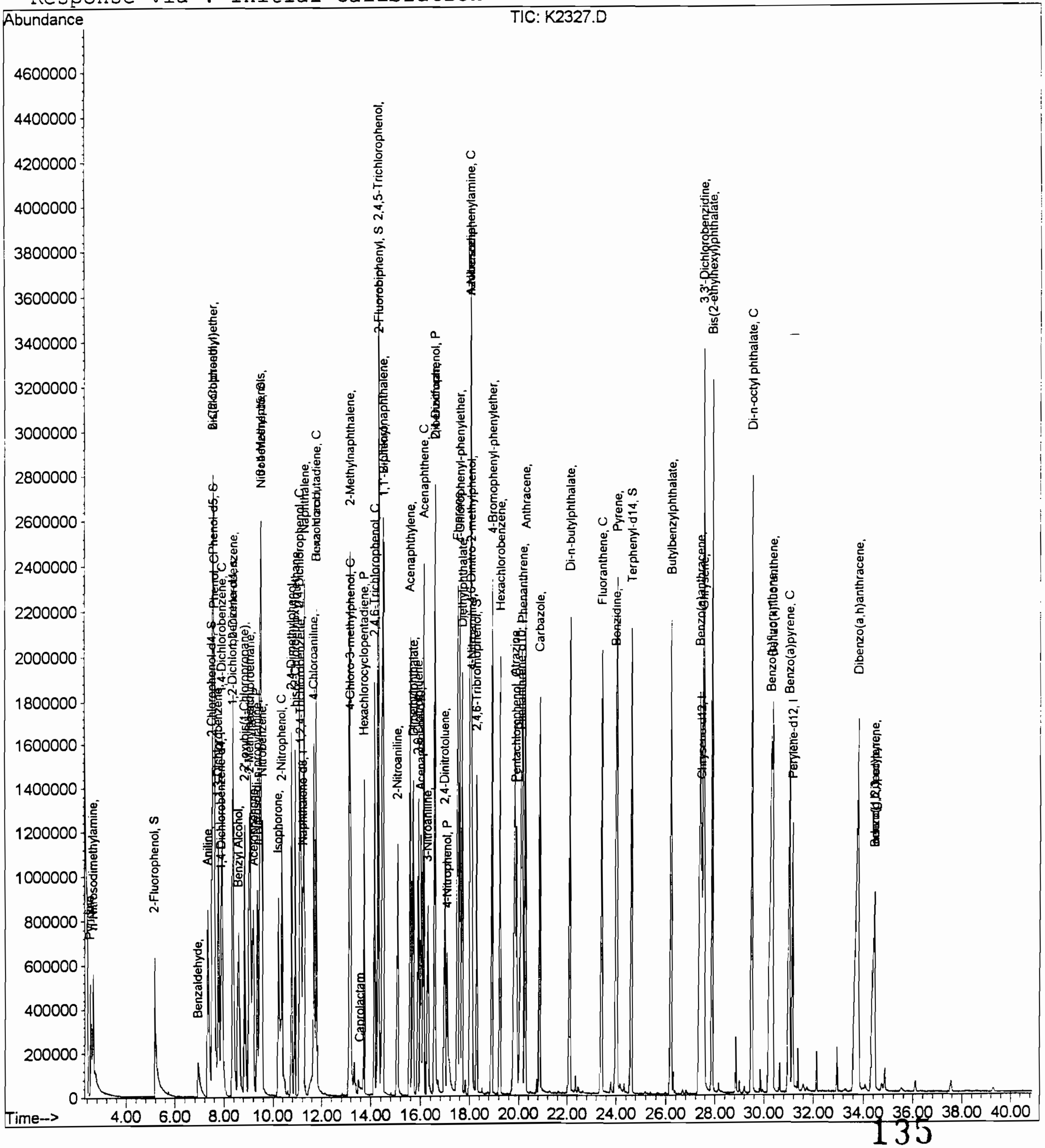
Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D          Vial: 2
Acq On    : 23 Aug 2000  12:29 pm                  Operator: SJT
Sample    : 80ng BNA CCC                           Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:01 2000              Quant Results File: BK0815C.RES

Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Thu Aug 24 09:52:43 2000
Response via  : Initial Calibration
```



135

```
                        Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D            Vial: 2
  Acq On    : 23 Aug 2000  12:29 pm                    Operator: SJT
  Sample    : 80ng BNA CCC                             Inst    : BNARTE
  Misc      :                                          Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:01 2000                 Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


 Internal Standards                       R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------------
   1) 1,4-Dichlorobenzene-d4              7.87  152    321749    40.00 ng     0.00
  22) Naphthalene-d8                     11.20  136   1277348    40.00 ng    -0.02
  39) Acenaphthene-d10                   16.00  164    883952    40.00 ng    -0.05
  62) Phenanthrene-d10                   20.09  188   1761914m   40.00 ng    -0.04
  74) Chrysene-d12                       27.45  240   1619518    40.00 ng    -0.14
  85) Perylene-d12                       31.16  264   1724882    40.00 ng    -0.15

 System Monitoring Compounds
   4) 2-Fluorophenol                      5.18  112    931341m   88.90 ng     0.02
   6) Phenol-d5                           7.57   99   1277092    89.35 ng     0.07
  11) 2-Chlorophenol-d4                   7.50  132   1000642    86.77 ng     0.02
  14) 1,2-Dichlorobenzene-d4              8.34  152    580845    82.54 ng     0.00
  24) Nitrobenzene-d5                     9.50   82    948093    83.53 ng     0.02
  41) 2,4,6-Tribromophenol               18.30  330    583754    73.01 ng    -0.06
  44) 2-Fluorobiphenyl                   14.30  172   2650458    88.94 ng    -0.02
  77) Terphenyl-d14                      24.65  244   2834037    80.12 ng    -0.09

 Target Compounds                                                         Qvalue
   2) Pyridine                            2.53   79    873438m   94.06 ng
   3) n-Nitrosodimethylamine              2.65   42    503515m   74.83 ng
   5) Aniline                             7.33   93   1507921    98.24 ng       95
   7) 2-Chlorophenol                      7.54  128    943865    85.30 ng       99
   8) Benzaldehyde                        6.94   77    215190m   72.74 ng
   9) Phenol                              7.60   94   1355058    91.80 ng       78
  10) bis(2-Chloroethyl)ether             7.54   93   1111304    86.62 ng       97
  12) 1,3-Dichlorobenzene                 7.76  146   1066484    85.96 ng       94
  13) 1,4-Dichlorobenzene                 7.91  146   1121989    82.50 ng       98
  15) 1,2-Dichlorobenzene                 8.38  146   1028918    83.77 ng       97
  16) Benzyl Alcohol                      8.59  108    688003    88.56 ng       89
  17) 2,2'-oxybis(1-Chloropropan          8.84   45   1867043    81.43 ng       98
  18) 2-Methylphenol                      9.02  108   1061137    85.06 ng       89
  19) Hexachloroethane                    9.07  117    421438    84.12 ng       96
  20) n-Nitroso-di-n-propylamine          9.35   70    610559    71.12 ng       98
  21) 3+4-Methylphenols                   9.47  107   1988581   158.47 ng       94
  23) Acetophenone                        9.20  105   1302584m   81.31 ng
  25) Nitrobenzene                        9.55   77    869327m   66.60 ng
  26) Isophorone                         10.20   82   2290565m   83.09 ng
  27) 2-Nitrophenol                      10.35  139    612651    85.50 ng       94
  28) 2,4-Dimethylphenol                 10.75  122    880730    88.34 ng       92
  29) bis(2-Chloroethoxy)methane         10.90   93   1353253    86.22 ng       99
  30) 2,4-Dichlorophenol                 11.06  162    908341m   80.10 ng
 ---------------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

862441

SJ 8/31/00

SJ 8/31/00

```
                          Quantitation Report    (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D          Vial: 2
  Acq On    : 23 Aug 2000  12:29 pm                  Operator: SJT
  Sample    : 80ng BNA CCC                           Inst    : BNARTE
  Misc      :                                        Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:01 2000             Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

     Compound                         R.T. QIon  Response  Conc Unit   Qvalue
-------------------------------------------------------------------------------
 31) 1,2,4-Trichlorobenzene          11.11  180    985948   82.20 ng       98
 32) Naphthalene                     11.26  128   2569519   75.94 ng       97
 33) Benzoic acid                    11.76  122    532613m  76.30 ng
 34) 4-Chloroaniline                 11.66  127   1211958   99.30 ng       96
 35) Hexachlorobutadiene             11.76  225    586055   80.19 ng       99
 36) Caprolactam                     13.55  113     20418m  71.83 ng
 37) 4-Chloro-3-methylphenol         13.16  107    970206   80.24 ng  #    12
 38) 2-Methylnaphthalene             13.13  142   2406657   72.11 ng  #    87
 40) Hexachlorocyclopentadiene       13.72  237    508613  123.98 ng       96
 42) 2,4,6-Trichlorophenol           14.15  196    775742   83.31 ng       93
 43) 2,4,5-Trichlorophenol           14.28  196    810174   87.84 ng       99
 45) 1,1'-Biphenyl                   14.50  154   2029537   89.50 ng       99
 46) 2-Chloronaphthalene             14.46  162   2065760   86.77 ng       96
 47) 2-Nitroaniline                  15.08   65    789518   83.05 ng       99
 48) Acenaphthylene                  15.58  152   2702576   80.31 ng       97
 49) Dimethylphthalate               15.70  163   2469447   77.16 ng       99
 50) 2,6-Dinitrotoluene              15.91  165    596364   74.24 ng       93
 51) Acenaphthene                    16.12  154   1796269   79.48 ng       95
 52) 3-Nitroaniline                  16.28  138    697379   85.50 ng       91
 53) 2,4-Dinitrophenol               16.56  184    441530   98.70 ng       92
 54) Dibenzofuran                    16.57  168   3087629   83.18 ng       97
 55) 4-Nitrophenol                   17.07  139    542013   76.06 ng       97
 56) 2,4-Dinitrotoluene              16.98  165    923668   72.70 ng       93
 57) Fluorene                        17.51  166   2336933   76.16 ng       95
 58) Diethylphthalate                17.71  149   2428895   76.16 ng      100
 59) 4-Chlorophenyl-phenylether      17.61  204   1346878   82.20 ng       94
 60) 4-Nitroaniline                  18.10  138    605928   78.60 ng       93
 61) Azobenzene                      18.03   77   2778453   80.87 ng       93
 63) 4,6-Dinitro-2-methylphenol      18.08  198    597442   87.95 ng
 64) n-Nitrosodiphenylamine          18.04  169   1736512   89.11 ng
 65) 4-Bromophenyl-phenylether       18.93  248   1112278   86.04 ng
 66) Hexachlorobenzene               19.25  284   1031104   82.24 ng
 67) Atrazine                        19.85  200    716723   80.12 ng
 68) Pentachlorophenol               19.90  266    719281m  81.94 ng
 69) Phenanthrene                    20.16  178   3302815   74.86 ng
 70) Anthracene                      20.28  178   3338761   75.32 ng
 71) Carbazole                       20.89  167   3041077   77.20 ng
 72) Di-n-butylphthalate             22.12  149   3984918   68.80 ng
 73) Fluoranthene                    23.43  202   3775733m  68.80 ng
 75) Benzidine                       24.00  184    328291   79.39 ng       97
 76) Pyrene                          24.04  202   4599183   96.20 ng       95
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

8/30/00

```
                          Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D             Vial: 2
  Acq On    : 23 Aug 2000  12:29 pm                     Operator: SJT
  Sample    : 80ng BNA CCC                              Inst     : BNARTE
  Misc      :                                           Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:01 2000              Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


     Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 ----------------------------------------------------------------------------

  78) Butylbenzylphthalate          26.22  149  1958536    79.95 ng       98
  79) Benzo(a)anthracene            27.40  228  3642116    75.64 ng       97
  80) 3,3'-Dichlorobenzidine        27.55  252  1188594    89.35 ng       99
  81) Chrysene                      27.57  228  3241389    85.11 ng       97
  82) Bis(2-ethylhexyl)phthalate    27.91  149  2675129    79.73 ng       98
  83) Di-n-octyl phthalate          29.53  149  4817600    79.64 ng      100
  84) Indeno(1,2,3-cd)pyrene        34.46  276  2694922    71.24 ng       94
  86) Benzo(b)fluoranthene          30.31  252  5253934    82.75 ng       99
  87) Benzo(k)fluoranthene          30.36  252  1864916    53.86 ng       98
  88) Benzo(a)pyrene                31.04  252  3284385    75.58 ng       99
  89) Dibenzo(a,h)anthracene        33.81  278  2855885    84.32 ng       98
  90) Benzo(g,h,i)perylene          34.46  276  2694922    85.94 ng       99







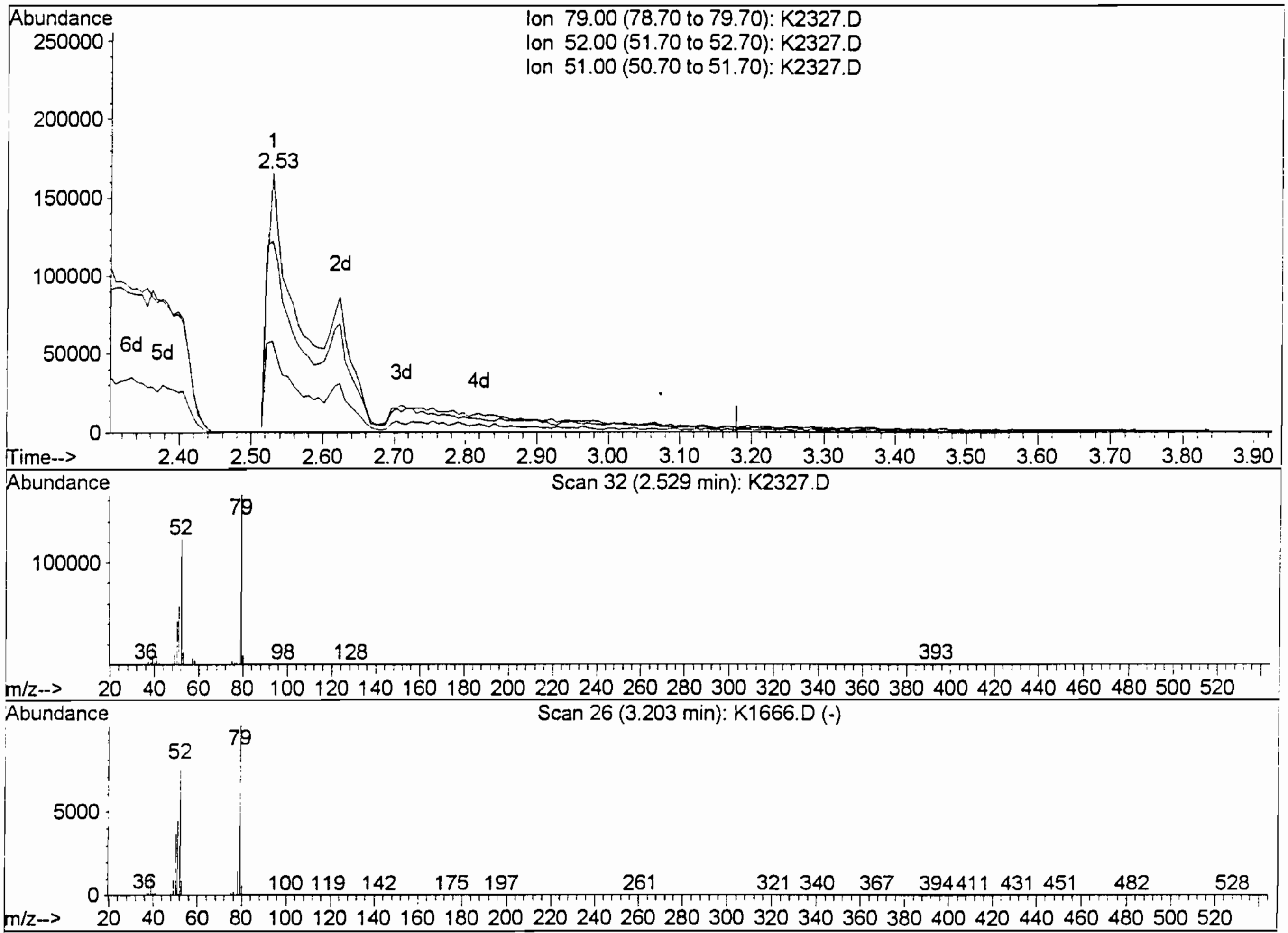



 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

```
                         Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D              Vial: 2
Acq On    : 23 Aug 2000  12:29 pm                      Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24  9:56 2000                 Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



TIC: K2327.D

(2) Pyridine ( )

2.53min 94.06ng m

response 873438

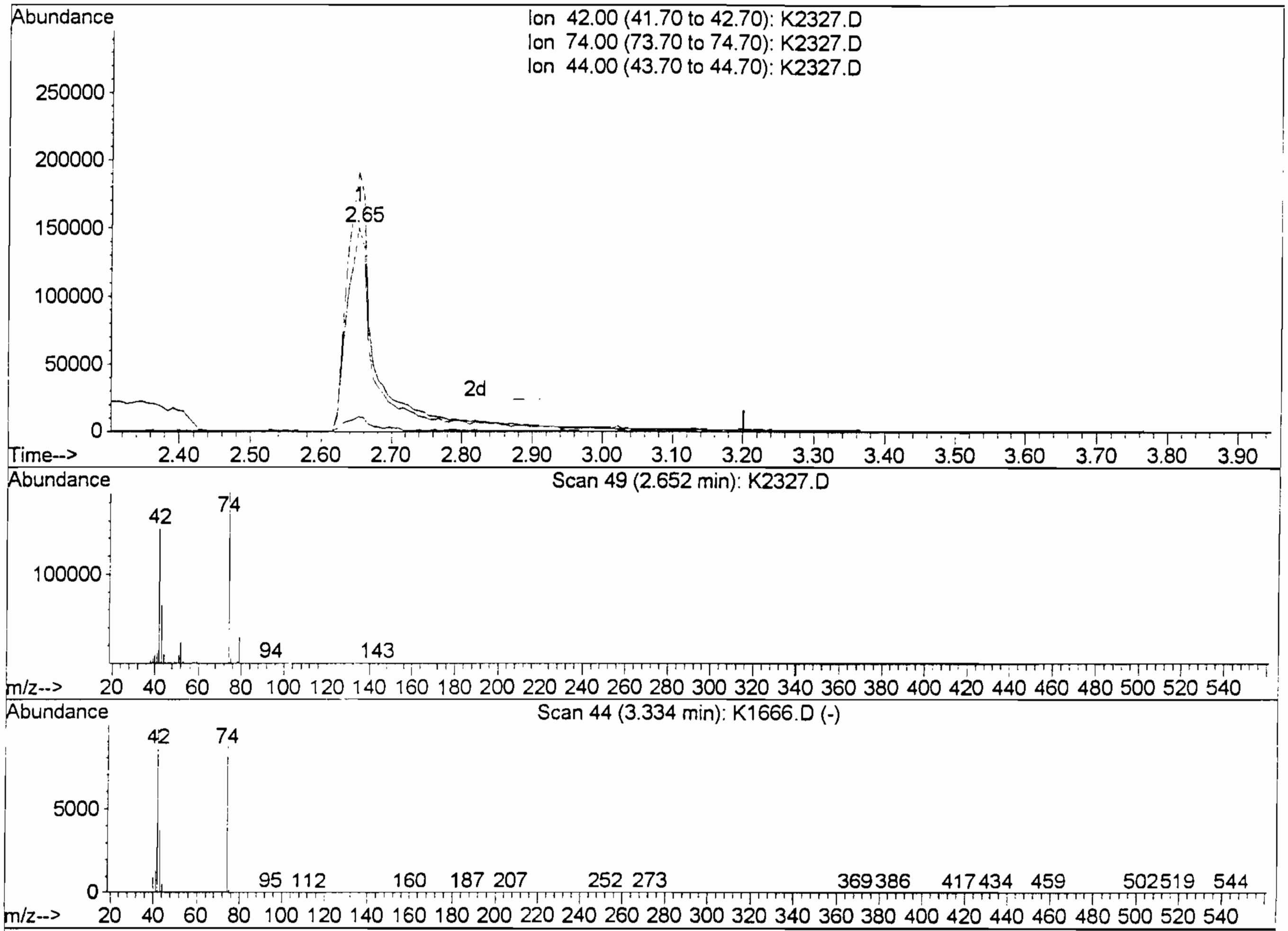
Ion	Exp%	Act%
79.00	100	100
52.00	85.50	74.01
51.00	38.90	35.08
0.00	0.00	0.00

139

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D                Vial: 2
Acq On    : 23 Aug 2000  12:29 pm                         Operator: SJT
Sample    : 80ng BNA CCC                                  Inst     : BNARTE
Misc      :                                               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24  9:57 2000                   Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



TIC: K2327.D

(3) n-Nitrosodimethylamine ( )

2.65min 74.83ng m

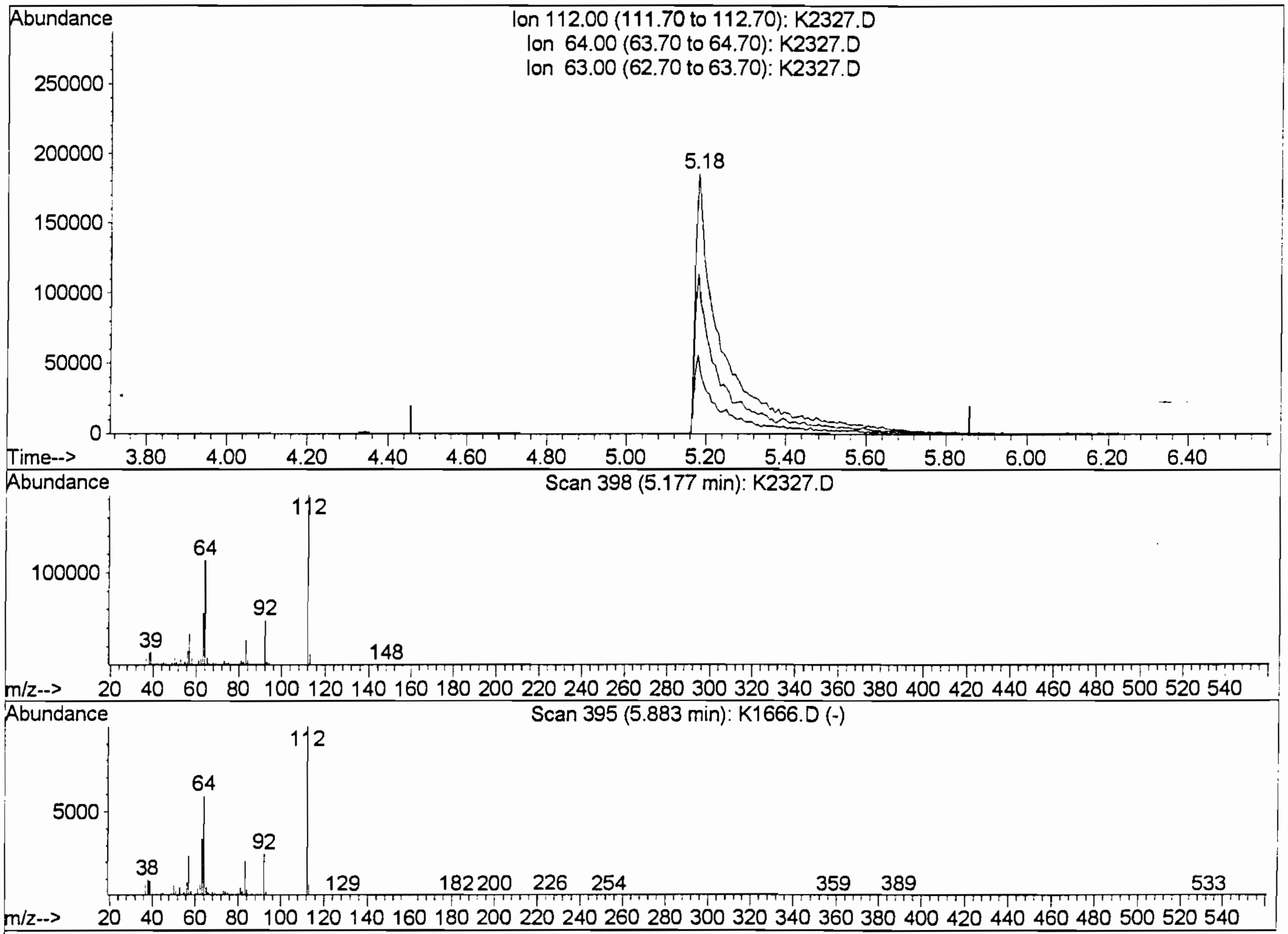
response 503515

Ion	Exp%	Act%
42.00	100	100
74.00	92.70	127.28
44.00	7.20	7.30
0.00	0.00	0.00

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D Vial: 2
Acq On : 23 Aug 2000 12:29 pm Operator: SJT
Sample : 80ng BNA CCC Inst : BNARTE
Misc : Multiplr: 1.00
MSaIntEgmatiAngPa4am9:57te2000.p Quant Results File: temp.res

Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jul 17 17:42:02 2000
Response via : Multiple Level Calibration



TIC: K2327.D

(4) 2-Fluorophenol (S)

5.18min 88.90ng m

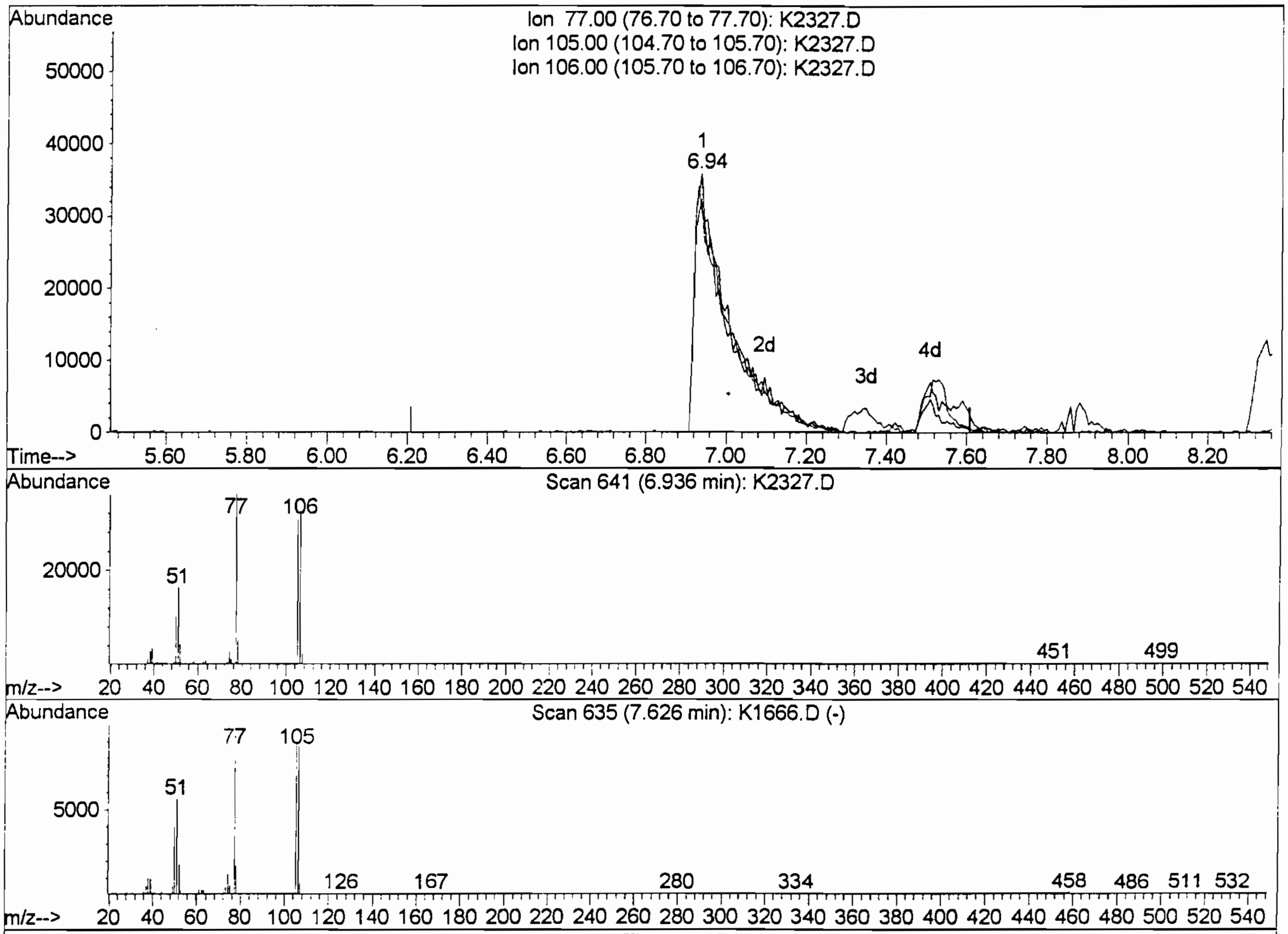
response 931341

Ion	Exp%	Act%
112.00	100	100
64.00	62.70	61.22
63.00	31.70	30.14
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D            Vial: 2
Acq On    : 23 Aug 2000  12:29 pm                    Operator: SJT
Sample    : 80ng BNA CCC                             Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
Q8anntEgmetiAngPa#am9:57te2000.p             Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Multiple Level Calibration
```



TIC: K2327.D

(8) Benzaldehyde

6.94min 72.74ng m

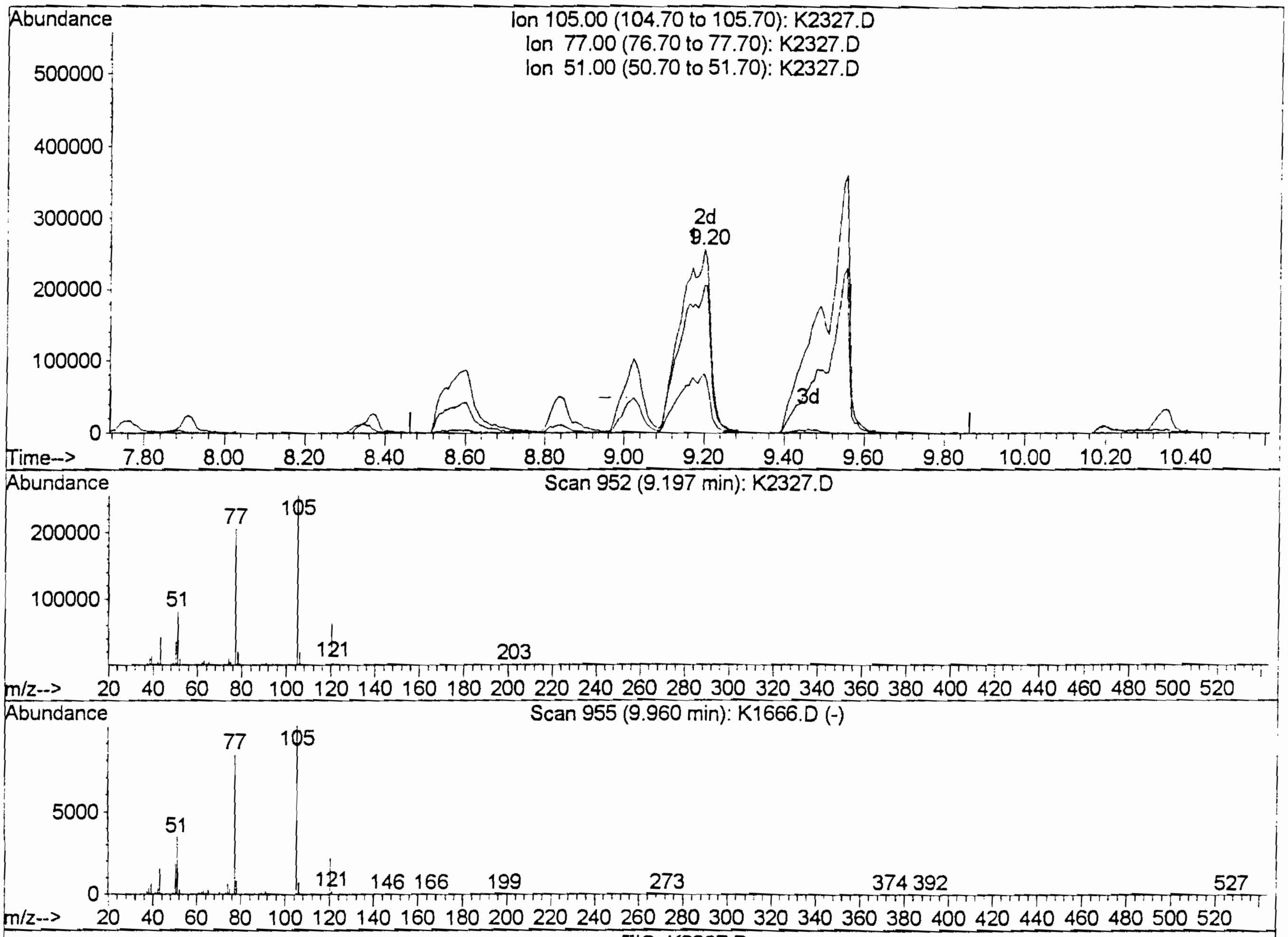
response 215190

Ion	Exp%	Act%
77.00	100	100
105.00	95.50	85.13
106.00	91.20	90.39
0.00	0.00	0.00

```
                          Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D              Vial: 2
Acq On    : 23 Aug 2000   12:29 pm                     Operator: SJT
Sample    : 80ng BNA CCC                               Inst     : BNARTE
Misc      :                                            Multiplr: 1.00
QSanntEgmetiAngPa#am9:58t2000.p               Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



(23) Acetophenone

9.20min 81.31ng m

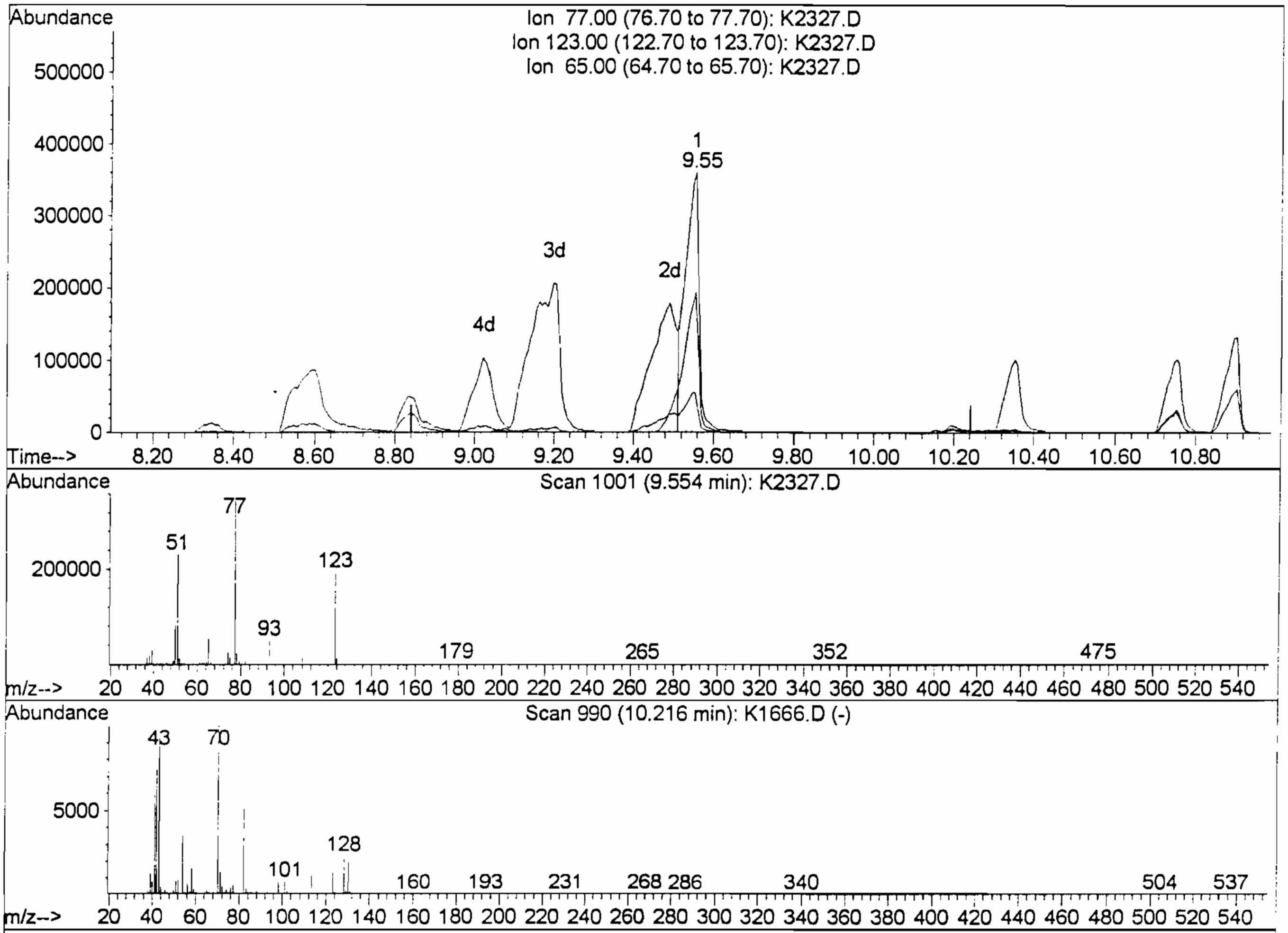
response 1302584

Ion	Exp%	Act%
105.00	100	100
77.00	83.20	80.51
51.00	35.50	31.93
0.00	0.00	0.00

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D               Vial: 2
Acq On    : 23 Aug 2000  12:29 pm                        Operator: SJT
Sample    : 80ng BNA CCC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
MSanntEgmetiAngPa#am9:58te2000.p              Quant Results File: temp.res

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



TIC: K2327.D

(25) Nitrobenzene

9.55min 66.60ng m

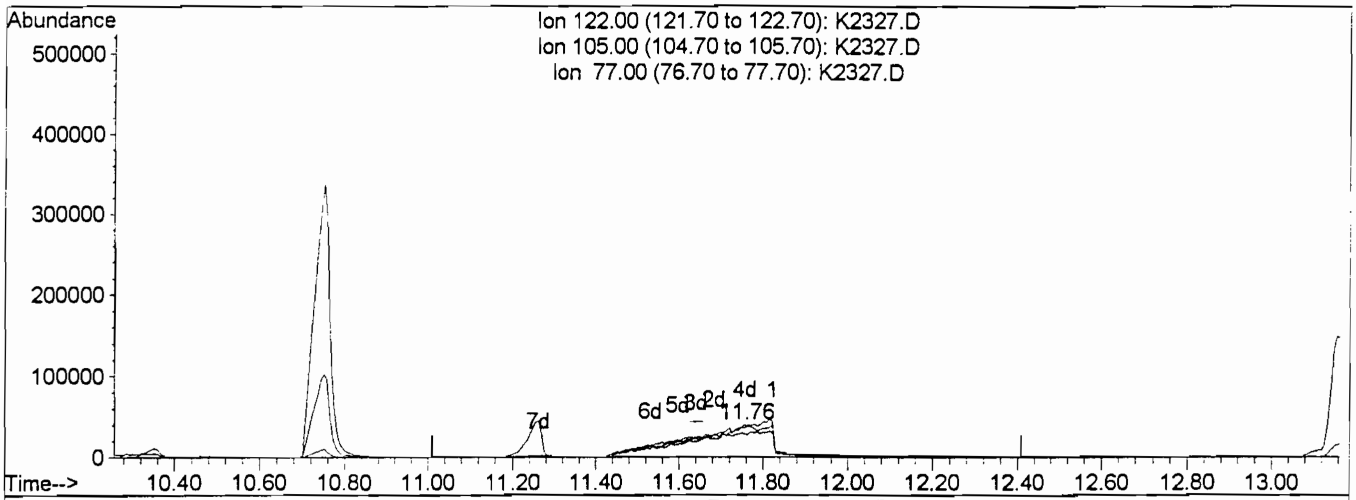
response 869327

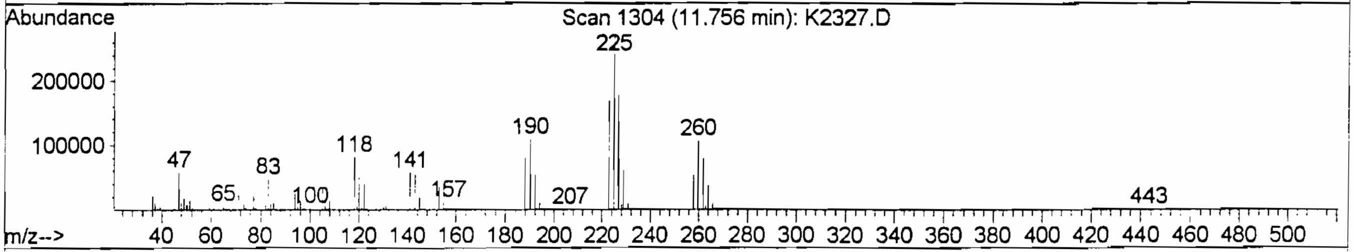
Ion	Exp%	Act%
77.00	100	100
123.00	46.60	53.76
65.00	15.80	15.02
0.00	0.00	0.00

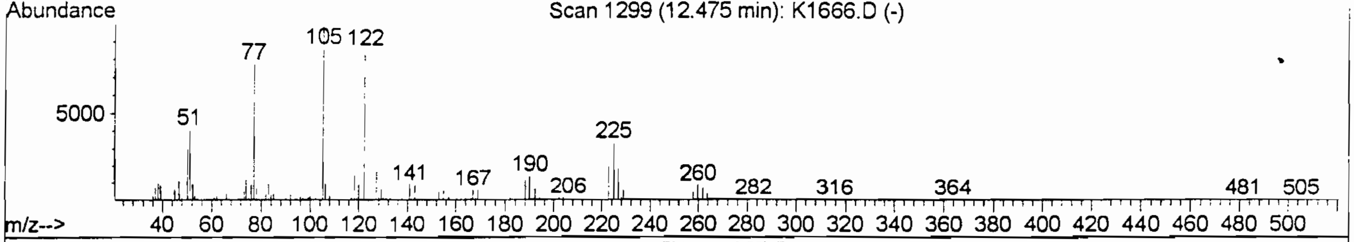
Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D          Vial: 2
Acq On    : 23 Aug 2000   12:29 pm                   Operator: SJT
Sample    : 80ng BNA CCC                             Inst     : BNARTE
Misc      :                                          Multiplr: 1.00
IntegrationParams: rteint.p
Quant Time: Aug 24  9:59 2000              Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Mon Jul 17 17:42:02 2000
Response via  : Multiple Level Calibration
```







TIC: K2327.D

(33) Benzoic acid

11.76min 76.30ng m

response 532613

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	89.43#
77.00	94.20	70.93#
0.00	0.00	0.00

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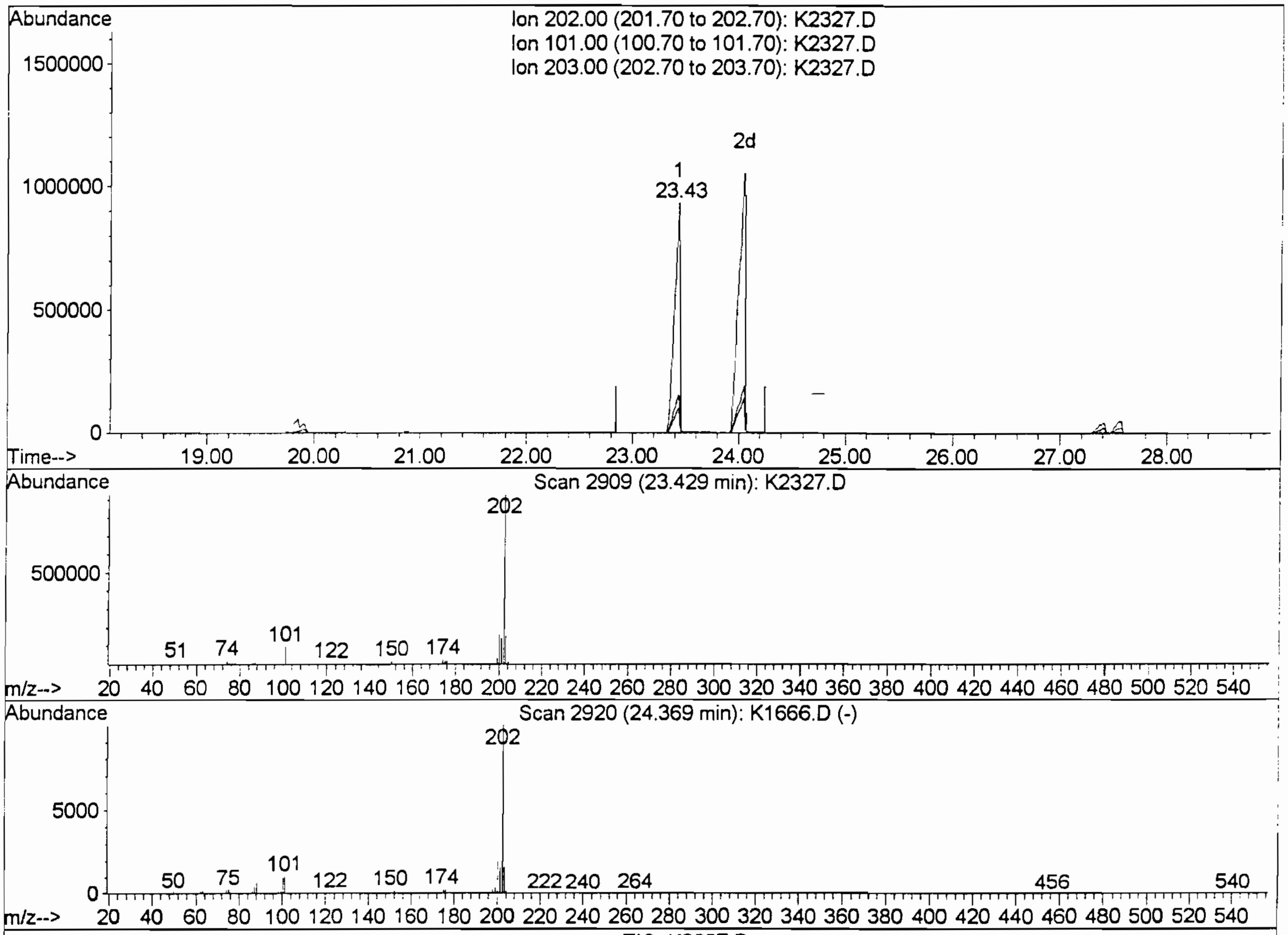
```
                         Quantitation Report

  Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D              Vial: 2
  Acq On    : 23 Aug 2000  12:29 pm                      Operator: SJT
  Sample    : 80ng BNA CCC                               Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  QdantTdgmetiAngPa#am8:0It2000.p                Quant Results File: temp.res

  Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update    : Mon Jul 17 17:42:02 2000
  Response via   : Multiple Level Calibration
```



TIC: K2327.D

```
(73) Fluoranthene (C)

23.43min  68.80ng  m

response  3775733

 Ion      Exp%    Act%

202.00    100      100

101.00     10.40    10.52

203.00     17.20    16.37

 0.00      0.00     0.00
```

```
                 Evaluate Continuing Calibration Report

  Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D           Vial: 2
  Acq On    : 23 Aug 2000  12:29 pm                   Operator: SJT
  Sample    : 80ng BNA CCC                            Inst    : BNARTE
  Misc      :                                         Multiplr: 1.00
  MS Integration Params: rteint.p

  Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update   : Thu Aug 24 09:52:43 2000
  Response via  : Multiple Level Calibration

  Min. RRF     :   0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  20%     Max. Rel. Area : 150%

        Compound                           AvgRF   CCRF      %Dev Area% Dev(min)
------------------------------------------------------------------------------
 1 I    1,4-Dichlorobenzene-d4             1.000   1.000      0.0   47   0.00
 2      Pyridine                           1.154   1.357    -17.6   54   0.05
 3      n-Nitrosodimethylamine             0.837   0.782      6.6   44   0.15
 4 S    2-Fluorophenol                     1.302   1.447    -11.1   52   0.02
 5      Aniline                            1.908   2.343    -22.8#  56   0.03
 6 S    Phenol-d5                          1.777   1.985    -11.7   51   0.07
 7      2-Chlorophenol                     1.376   1.467     -6.6   49   0.00
 8      Benzaldehyde                       0.368   0.334      9.2   25   0.03
 9 C    Phenol                             1.835   2.106    -14.8   51   0.07
10      bis(2-Chloroethyl)ether            1.595   1.727     -8.3   53   0.04
11 S    2-Chlorophenol-d4                  1.434   1.555     -8.4   50   0.02
12      1,3-Dichlorobenzene                1.542   1.657     -7.5   49   0.00
13 C    1,4-Dichlorobenzene                1.691   1.744     -3.1   48   0.00
14 s    1,2-Dichlorobenzene-d4             0.875   0.903     -3.2   47   0.00
15      1,2-Dichlorobenzene                1.527   1.599     -4.7   48   0.00
16      Benzyl Alcohol                     0.966   1.069    -10.7   49   0.05
17      2,2'-oxybis(1-Chloropropane        2.851   2.901     -1.8   46   0.02
18      2-Methylphenol                     1.551   1.649     -6.3   49   0.05
19      Hexachloroethane                   0.623   0.655     -5.1   48  -0.02
20 P    n-Nitroso-di-n-propylamine         1.067   0.949     11.1   40   0.05
21      3+4-Methylphenols                  1.560   1.545      1.0   45   0.06

22 I    Naphthalene-d8                     1.000   1.000      0.0   44  -0.02
23      Acetophenone                       0.502   0.510     -1.6   45   0.04
24 S    Nitrobenzene-d5                    0.355   0.371     -4.5   45   0.02
25      Nitrobenzene                       0.409   0.340     16.9   36   0.01
26      Isophorone                         0.863   0.897     -3.9   46   0.02
27 C    2-Nitrophenol                      0.224   0.240     -7.1   48   0.00
28      2,4-Dimethylphenol                 0.312   0.345    -10.6   52   0.04
29      bis(2-Chloroethoxy)methane         0.491   0.530     -7.9   48   0.03
30 C    2,4-Dichlorophenol                 0.355   0.356     -0.3   44   0.01
31      1,2,4-Trichlorobenzene             0.376   0.386     -2.7   45   0.00
32      Naphthalene                        1.060   1.006      5.1   42   0.00
33      Benzoic acid                       0.219   0.208      5.0   42   0.05
34      4-Chloroaniline                    0.382   0.474    -24.1#  52   0.00
35 C    Hexachlorobutadiene                0.229   0.229      0.0   43  -0.01
36      Caprolactam                        0.009   0.008     11.1   38   0.09
37 C    4-Chloro-3-methylphenol            0.379   0.380     -0.3   43   0.00
38      2-Methylnaphthalene                1.045   0.942      9.9   40  -0.03

39 I    Acenaphthene-d10                   1.000   1.000      0.0   41  -0.05
------------------------------------------------------------------------------
 (#) = Out of Range
```

```
                Evaluate Continuing Calibration Report

   Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D             Vial: 2
   Acq On    : 23 Aug 2000   12:29 pm                    Operator: SJT
   Sample    : 80ng BNA CCC                              Inst    : BNARTE
   Misc      :                                           Multiplr: 1.00
   MS Integration Params: rteint.p

   Method       : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
   Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
   Last Update  : Thu Aug 24 09:52:43 2000
   Response via : Multiple Level Calibration

   Min. RRF     :    0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
   Max. RRF Dev :  20%      Max. Rel. Area : 150%

       Compound                        AvgRF   CCRF        %Dev Area% Dev(min)
  ----------------------------------------------------------------------------
40 P   Hexachlorocyclopentadiene       0.186   0.288      -54.8#  61  -0.02
41 S   2,4,6-Tribromophenol            0.362   0.330        8.8   36  -0.06
42 C   2,4,6-Trichlorophenol           0.421   0.439       -4.3   42  -0.01
43     2,4,5-Trichlorophenol           0.417   0.458       -9.8   43  -0.01
44 S   2-Fluorobiphenyl                1.348   1.499      -11.2   46  -0.02
45     1,1'-Biphenyl                   1.026   1.148      -11.9   46  -0.03
46     2-Chloronaphthalene             1.077   1.168       -8.4   45  -0.03
47     2-Nitroaniline                  0.430   0.447       -4.0   41  -0.02
48     Acenaphthylene                  1.523   1.529       -0.4   41  -0.05
49     Dimethylphthalate               1.448   1.397        3.5   39   0.00
50     2,6-Dinitrotoluene              0.363   0.337        7.2   38  -0.02
51 C   Acenaphthene                    1.023   1.016        0.7   41  -0.05
52     3-Nitroaniline                  0.369   0.394       -6.8   41  -0.02
53 P   2,4-Dinitrophenol               0.202   0.250      -23.8#  38  -0.03
54     Dibenzofuran                    1.680   1.746       -3.9   42  -0.06
55 P   4-Nitrophenol                   0.322   0.307        4.7   38   0.00
56     2,4-Dinitrotoluene              0.575   0.522        9.2   37  -0.02
57     Fluorene                        1.388   1.322        4.8   39  -0.06
58     Diethylphthalate                1.443   1.374        4.8   39  -0.01
59     4-Chlorophenyl-phenylether      0.741   0.762       -2.8   42  -0.04
60     4-Nitroaniline                  0.349   0.343        1.7   42  -0.03
61     Azobenzene                      1.555   1.572       -1.1   42  -0.04

62 I   Phenanthrene-d10                1.000   1.000        0.0   36  -0.04
63     4,6-Dinitro-2-methylphenol      0.154   0.170      -10.4   38  -0.04
64 C   n-Nitrosodiphenylamine          0.442   0.493      -11.5   41  -0.04
65     4-Bromophenyl-phenylether       0.294   0.316       -7.5   39  -0.06
66     Hexachlorobenzene               0.285   0.293       -2.8   37  -0.07
67     Atrazine                        0.203   0.203        0.0   39  -0.01
68 C   Pentachlorophenol               0.199   0.204       -2.5   36   0.45
69     Phenanthrene                    1.002   0.937        6.5   34  -0.08
70     Anthracene                      1.006   0.947        5.9   34  -0.08
71     Carbazole                       0.894   0.863        3.5   35  -0.07
72     Di-n-butylphthalate             1.315   1.131       14.0   31  -0.05
73 C   Fluoranthene                    1.246   1.071       14.0   31  -0.12

74 I   Chrysene-d12                    1.000   1.000        0.0   30  -0.14
75     Benzidine                       0.102   0.101        1.0   26  -0.10
76     Pyrene                          1.181   1.420      -20.2#  36  -0.12
77 S   Terphenyl-d14                   0.874   0.875       -0.1   30  -0.09
78     Butylbenzylphthalate            0.605   0.605        0.0   30  -0.08
--------------------------------------------------------------------------
 (#) = Out of Range
K2327.D  BK0815C.M       Thu Aug 24 10:04:40 2000       RPT1         Page 2
```

```
                 Evaluate Continuing Calibration Report

  Data File : H:\HPCHEM\1\DATA\BK082300\K2327.D            Vial: 2
  Acq On    : 23 Aug 2000  12:29 pm                    Operator: SJT
  Sample    : 80ng BNA CCC                             Inst     : BNARTE
  Misc      :                                          Multiplr: 1.00
  MS Integration Params: rteint.p

  Method       : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Multiple Level Calibration

  Min. RRF     :   0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  20%     Max. Rel. Area : 150%

      Compound                        AvgRF   CCRF      %Dev Area% Dev(min)
 ----------------------------------------------------------------------------
79     Benzo(a)anthracene             1.189   1.124      5.5   28  -0.14
80     3,3'-Dichlorobenzidine         0.329   0.367    -11.6   30  -0.11
81     Chrysene                       0.941   1.001     -6.4   32  -0.12
82     Bis(2-ethylhexyl)phthalate     0.829   0.826      0.4   30  -0.06
83 C   Di-n-octyl phthalate           1.494   1.487      0.5   30  -0.06
84     Indeno(1,2,3-cd)pyrene         0.934   0.832     10.9   26   0.32

85 I   Perylene-d12                   1.000   1.000      0.0   31  -0.15
86     Benzo(b)fluoranthene           1.472   1.523     -3.5   29  -0.13
87     Benzo(k)fluoranthene           0.803   0.541     32.6#  26  -0.15
88 C   Benzo(a)pyrene                 1.008   0.952      5.6   30  -0.15
89     Dibenzo(a,h)anthracene         0.785   0.828     -5.5   32  -0.41
90     Benzo(g,h,i)perylene           0.727   0.781     -7.4   33  -0.50#

-------------------------------------------------------------------------------
 (#) = Out of Range                SPCC's out = 0  CCC's out = 0
```

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH   Contract: GCI, INC.

Project No.: L9851ASP   Site: 29 NEW YORK AVENUE   Location: NEW CASSEL   Group: DW-1 INVE

Instrument ID: 5970-K   Calibration Date: 8/28/00   Time: 1017

Lab File ID: K2357.D   Init. Calib. Date(s): 8/14/00   8/14/00

Init. Calib. Times: 1036   1354

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.595	1.603		-0.5	
1,2-Dichlorobenzene	1.527	1.508		1.2	
1,3-Dichlorobenzene	1.542	1.621		-5.1	
1,4-Dichlorobenzene	1.691	1.669		1.3	20.0
2,2'-oxybis(1-Chloropropane)	2.851	2.716		4.7	
n-Nitroso-di-n-propylamine	1.067	1.080	0.050	-1.2	
Hexachloroethane	0.623	0.675		-8.3	
Nitrobenzene	0.409	0.474		-15.9	
Isophorone	0.863	0.789		8.6	
bis(2-Chloroethoxy)methane	0.491	0.541		-10.2	
1,2,4-Trichlorobenzene	0.376	0.394		-4.8	
Naphthalene	1.060	1.026		3.2	
4-Chloroaniline	0.382	0.361		5.5	
Hexachlorobutadiene	0.229	0.223		2.6	20.0
2-Methylnaphthalene	1.045	0.709		32.2	
Hexachlorocyclopentadiene	0.186	0.295	0.050	-58.6	
2-Chloronaphthalene	1.077	1.187		-10.2	
2-Nitroaniline	0.430	0.412		4.2	
Dimethylphthalate	1.448	1.261		12.9	
Acenaphthylene	1.523	1.463		3.9	
2,6-Dinitrotoluene	0.363	0.295		18.7	
3-Nitroaniline	0.369	0.312		15.4	
Acenaphthene	1.023	1.013		1.0	20.0
Dibenzofuran	1.680	1.706		-1.5	
2,4-Dinitrotoluene	0.575	0.422		26.6	
Diethylphthalate	1.443	1.186		17.8	
4-Chlorophenyl-phenylether	0.741	0.683		7.8	
Fluorene	1.388	1.188		14.4	
4-Nitroaniline	0.349	0.276		20.9	
n-Nitrosodiphenylamine	0.442	0.500		-13.1	20.0
Azobenzene	1.555	1.495		3.9	
4-Bromophenyl-phenylether	0.294	0.321		-9.2	
Hexachlorobenzene	0.285	0.272		4.6	
Phenanthrene	1.002	0.956		4.6	
Anthracene	1.006	0.964		4.2	
Di-n-butylphthalate	1.315	1.260		4.2	
Fluoranthene	1.246	1.039		16.6	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YORK AVENUE Location: NEW CASSEL Group: DW-1 INVE

Instrument ID: 5970-K Calibration Date: 8/28/00 Time: 1017

Lab File ID: K2357.D Init. Calib. Date(s): 8/14/00 8/14/00

Init. Calib. Times: 1036 1354

COMPOUND	$\overline{\text{RRF}}$	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.181	1.694		-43.4	
Butylbenzylphthalate	0.605	0.700		-15.7	
3,3'-Dichlorobenzidine	0.329	0.381		-15.8	
Benzo(a)anthracene	1.189	1.111		6.6	
Chrysene	0.941	1.001		-6.4	
Bis(2-Ethylhexyl)phthalate	0.829	0.946		-14.1	
Di-n-octyl phthalate	1.494	1.515		-1.4	20.0
Benzo(b)fluoranthene	1.472	1.082		26.5	
Benzo(k)fluoranthene	0.803	1.142		-42.2	
Benzo(a)pyrene	1.008	0.976		3.2	20.0
Indeno(1,2,3-cd)pyrene	0.934	0.947		-1.4	
Dibenzo(a,h)anthracene	0.785	0.978		-24.6	
Benzo(g,h,i)perylene	0.727	0.971		-33.6	
Nitrobenzene-d5	0.355	0.386		-8.7	
2-Fluorobiphenyl	1.348	1.501		-11.4	
Terphenyl-d14	0.874	0.986		-12.8	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
Acq On    : 28 Aug 2000  10:17                         Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 28 14:44 2000                 Quant Results File: BK0815C.RES

Method          : D:\HPCHEM\1\METHODS\BK0815C.M
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Aug 28 14:39:38 2000
Response via    : Multiple Level Calibration
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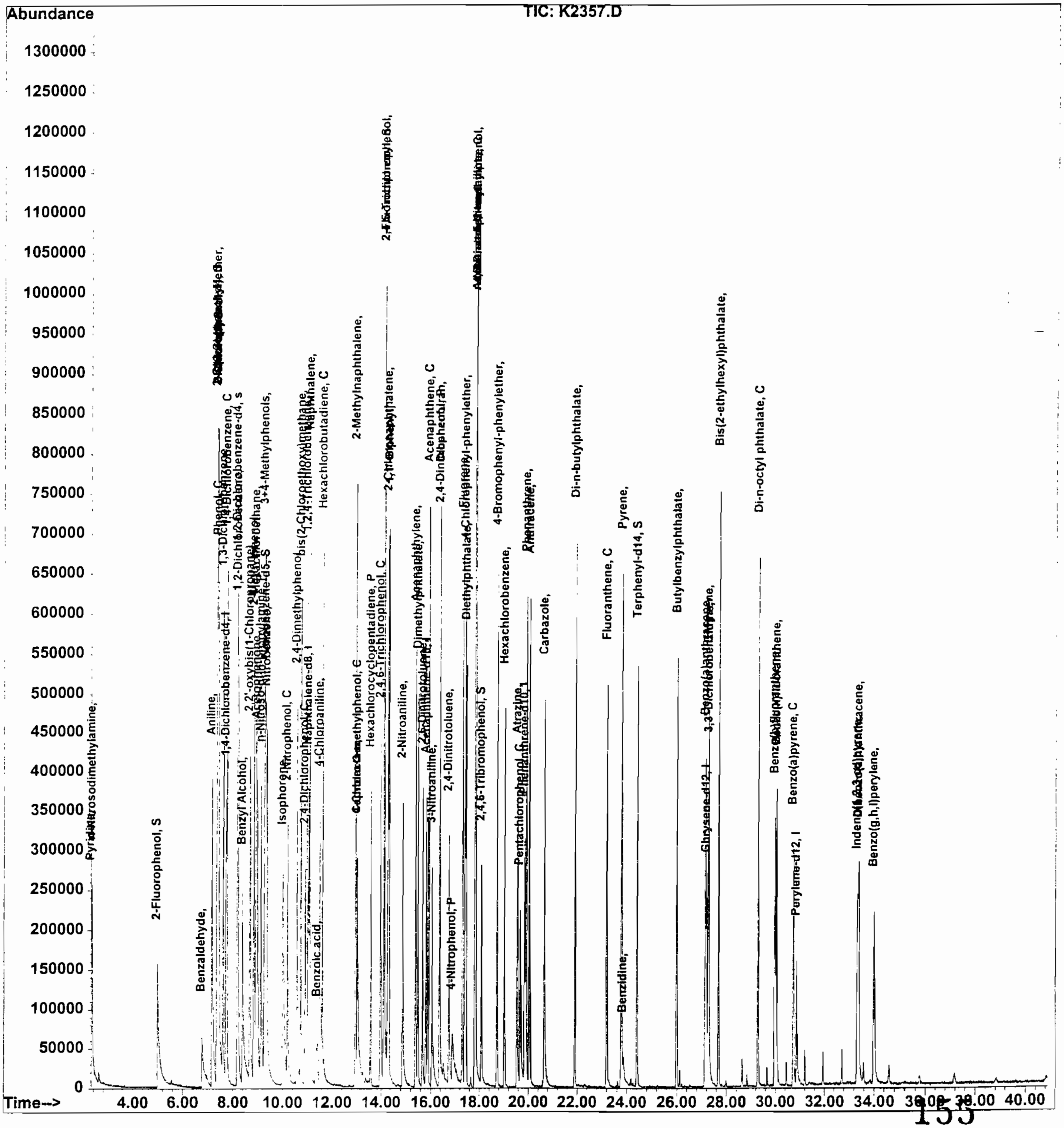

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                         Quantitation Report     (QT Reviewed)

  Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D               Vial: 2
  Acq On    : 28 Aug 2000  10:17                          Operator: SJT
  Sample    : 80ng BNA CCC                                Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  Quant Time: Aug 28 14:44 2000                  Quant Results File: BK0815C.RES

  Quant Method : D:\HPCHEM\1\METHODS\BK0815C.M
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Aug 28 14:39:38 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

 Internal Standards                    R.T. QIon  Response  Conc Units Dev(Min)
 ------------------------------------------------------------------------------
   1) 1,4-Dichlorobenzene-d4           7.71  152   101419    40.00 ng      0.00
  22) Naphthalene-d8                  11.02  136   343197    40.00 ng     -0.04
  39) Acenaphthene-d10                15.82  164   195502    40.00 ng     -0.07
  62) Phenanthrene-d10                19.85  188   312506    40.00 ng     -0.12
  74) Chrysene-d12                    27.20  240   225507    40.00 ng     -0.23
  85) Perylene-d12                    30.87  264   188296    40.00 ng     -0.28

 System Monitoring Compounds
   4) 2-Fluorophenol                   5.00  112   250344m   75.81 ng      0.00
   6) Phenol-d5                        7.38   99   336109    74.60 ng      0.04
  11) 2-Chlorophenol-d4                7.33  132   279892    76.99 ng      0.00
  14) 1,2-Dichlorobenzene-d4           8.17  152   172798    77.90 ng      0.00
  24) Nitrobenzene-d5                  9.30   82   265103    86.93 ng     -0.01
  41) 2,4,6-Tribromophenol            18.09  330    84091    47.56 ng     -0.11
  44) 2-Fluorobiphenyl                14.11  172   586979    89.06 ng     -0.05
  77) Terphenyl-d14                   24.42  244   444833    90.31 ng     -0.15

 Target Compounds                                                     Qvalue
   2) Pyridine                         2.30   79   173181m   59.17 ng        60
   3) n-Nitrosodimethylamine           2.35   42   121242    57.16 ng        66
   5) Aniline                          7.14   93   424725    87.78 ng        91
   7) 2-Chlorophenol                   7.37  128   243707    69.87 ng        93
   8) Benzaldehyde                     6.77   77    64690    69.37 ng        97
   9) Phenol                           7.40   94   321660    69.13 ng        87
  10) bis(2-Chloroethyl)ether          7.35   93   325222    80.42 ng        97
  12) 1,3-Dichlorobenzene              7.60  146   328775    84.07 ng        97
  13) 1,4-Dichlorobenzene              7.75  146   338516    78.97 ng        97
  15) 1,2-Dichlorobenzene              8.20  146   305929    79.02 ng        93
  16) Benzyl Alcohol                   8.38  108   124211    50.72 ng        94
  17) 2,2'-oxybis(1-Chloropropan       8.67   45   550932    76.23 ng        95
  18) 2-Methylphenol                   8.83  108   280074    71.22 ng        89
  19) Hexachloroethane                 8.92  117   136987    86.75 ng        97
  20) n-Nitroso-di-n-propylamine       9.11   70   219059    80.95 ng        90
  21) 3+4-Methylphenols                9.26  107   486747   123.05 ng        91
  23) Acetophenone                     8.95  105   344213    79.97 ng        97
  25) Nitrobenzene                     9.35   77   325561    92.84 ng        98
  26) Isophorone                       9.98   82   541741    73.14 ng        99
  27) 2-Nitrophenol                   10.18  139   146150    75.91 ng        96
  28) 2,4-Dimethylphenol              10.55  122   212801    79.45 ng        91
  29) bis(2-Chloroethoxy)methane      10.71   93   371411    88.08 ng        98
  30) 2,4-Dichlorophenol              10.88  162   230317m   75.59 ng        95
  31) 1,2,4-Trichlorobenzene          10.95  180   270515    83.94 ng        94
  32) Naphthalene                     11.07  128   703930    77.43 ng        98
 ------------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

8/30/00

8/30/00

```
                         Quantitation Report     (QT Reviewed)

  Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
  Acq On    : 28 Aug 2000  10:17                          Operator: SJT
  Sample    : 80ng BNA CCC                                Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  Quant Time: Aug 28 14:44 2000                  Quant Results File: BK0815C.RES

  Quant Method : D:\HPCHEM\1\METHODS\BK0815C.M
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Aug 28 14:39:38 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

     Compound                          R.T. QIon  Response  Conc Unit   Qvalue
-------------------------------------------------------------------------------
 33) Benzoic acid                     11.41  122     97656m   52.07 ng       87
 34) 4-Chloroaniline                  11.49  127   247707     75.54 ng       93
 35) Hexachlorobutadiene              11.60  225   152899     77.87 ng       92
 36) Caprolactam                      13.02  113     6398m    83.77 ng       39
 37) 4-Chloro-3-methylphenol          13.02  107   223710m    68.86 ng       17
 38) 2-Methylnaphthalene              12.95  142   486529     54.25 ng  #    85
 40) Hexachlorocyclopentadiene        13.57  237   115418    127.21 ng       98
 42) 2,4,6-Trichlorophenol            13.96  196   161475     78.41 ng       99
 43) 2,4,5-Trichlorophenol            14.10  196   131301     64.37 ng       96
 45) 1,1'-Biphenyl                    14.31  154   471880     94.09 ng       95
 46) 2-Chloronaphthalene              14.26  162   464108     88.14 ng       97
 47) 2-Nitroaniline                   14.87   65   161234     76.69 ng       98
 48) Acenaphthylene                   15.39  152   572061     76.86 ng       98
 49) Dimethylphthalate                15.49  163   493173     69.67 ng       99
 50) 2,6-Dinitrotoluene               15.68  165   115522     65.03 ng       94
 51) Acenaphthene                     15.91  154   396153     79.25 ng       92
 52) 3-Nitroaniline                   16.05  138   121870     67.56 ng       95
 53) 2,4-Dinitrophenol                16.35  184    63938     64.62 ng  #    50
 54) Dibenzofuran                     16.37  168   666926     81.24 ng       99
 55) 4-Nitrophenol                    16.89  139    91496m    58.05 ng       89
 56) 2,4-Dinitrotoluene               16.74  165   165071     58.75 ng       97
 57) Fluorene                         17.31  166   464424     68.44 ng       96
 58) Diethylphthalate                 17.46  149   463646     65.73 ng       99
 59) 4-Chlorophenyl-phenylether       17.41  204   267157     73.72 ng       94
 60) 4-Nitroaniline                   17.82  138   108001     63.34 ng       97
 61) Azobenzene                       17.83   77   584571     76.93 ng       88
 63) 4,6-Dinitro-2-methylphenol       17.85  198    96842     80.38 ng  #    51
 64) n-Nitrosodiphenylamine           17.84  169   312252     90.34 ng       95
 65) 4-Bromophenyl-phenylether        18.73  248   200703     87.53 ng       94
 66) Hexachlorobenzene                19.03  284   169839     76.38 ng       98
 67) Atrazine                         19.57  200   115412     72.74 ng       91
 68) Pentachlorophenol                19.67  266   107733m    69.20 ng       92
 69) Phenanthrene                     19.91  178   597212     76.32 ng       98
 70) Anthracene                       20.04  178   602323     76.61 ng       95
 71) Carbazole                        20.66  167   583954     83.58 ng       94
 72) Di-n-butylphthalate              21.92  149   787336     76.64 ng       98
 73) Fluoranthene                     23.20  202   649285m    66.71 ng       98
 75) Benzidine                        23.86  184    48600     84.41 ng       98
 76) Pyrene                           23.79  202   763810    114.74 ng       94
 78) Butylbenzylphthalate             26.00  149   315881     92.60 ng       95
 79) Benzo(a)anthracene               27.15  228   500855     74.70 ng       98
 80) 3,3'-Dichlorobenzidine           27.29  252   171999     92.86 ng       94
 81) Chrysene                         27.26  228   451372     85.12 ng       97
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

8/30/00

```
                              Quantitation Report     (QT Reviewed)

  Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
  Acq On    : 28 Aug 2000  10:17                          Operator: SJT
  Sample    : 80ng BNA CCC                                Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  Quant Time: Aug 28 14:44 2000                  Quant Results File: BK0815C.RES

  Quant Method : D:\HPCHEM\1\METHODS\BK0815C.M
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Mon Aug 28 14:39:38 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA

     Compound                          R.T. QIon  Response  Conc Unit   Qvalue
---------------------------------------------------------------------------
 82) Bis(2-ethylhexyl)phthalate       27.69  149    426742    91.34 ng       98
 83) Di-n-octyl phthalate             29.30  149    683231    81.12 ng       99
 84) Indeno(1,2,3-cd)pyrene           33.35  276    426987m   81.06 ng       92
 86) Benzo(b)fluoranthene             29.97  252    407539    58.80 ng       97
 87) Benzo(k)fluoranthene             30.04  252    430073   113.78 ng       98
 88) Benzo(a)pyrene                   30.73  252    367482    77.47 ng       97
 89) Dibenzo(a,h)anthracene           33.40  278    368372    99.64 ng       97
 90) Benzo(g,h,i)perylene             34.01  276    365816   106.86 ng       96
```

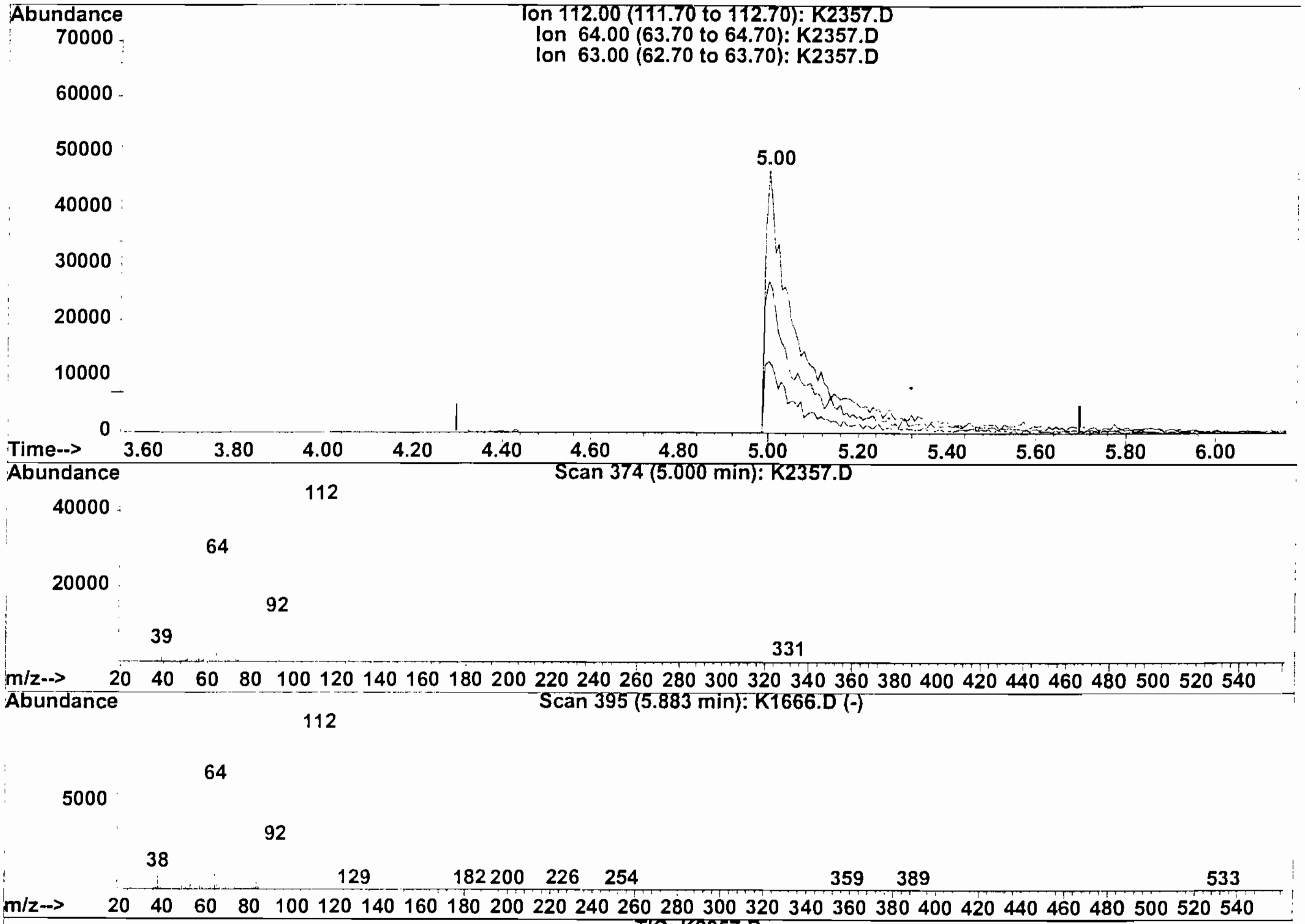
8/30/00

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

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
Acq On    : 28 Aug 2000  10:17                         Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 28 14:40 2000              Quant Results File: temp.res

Method         : D:\HPCHEM\1\METHODS\BK0815C.M
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



TIC: K2357.D

(4) 2-Fluorophenol (S)

5.00min 75.81ng m

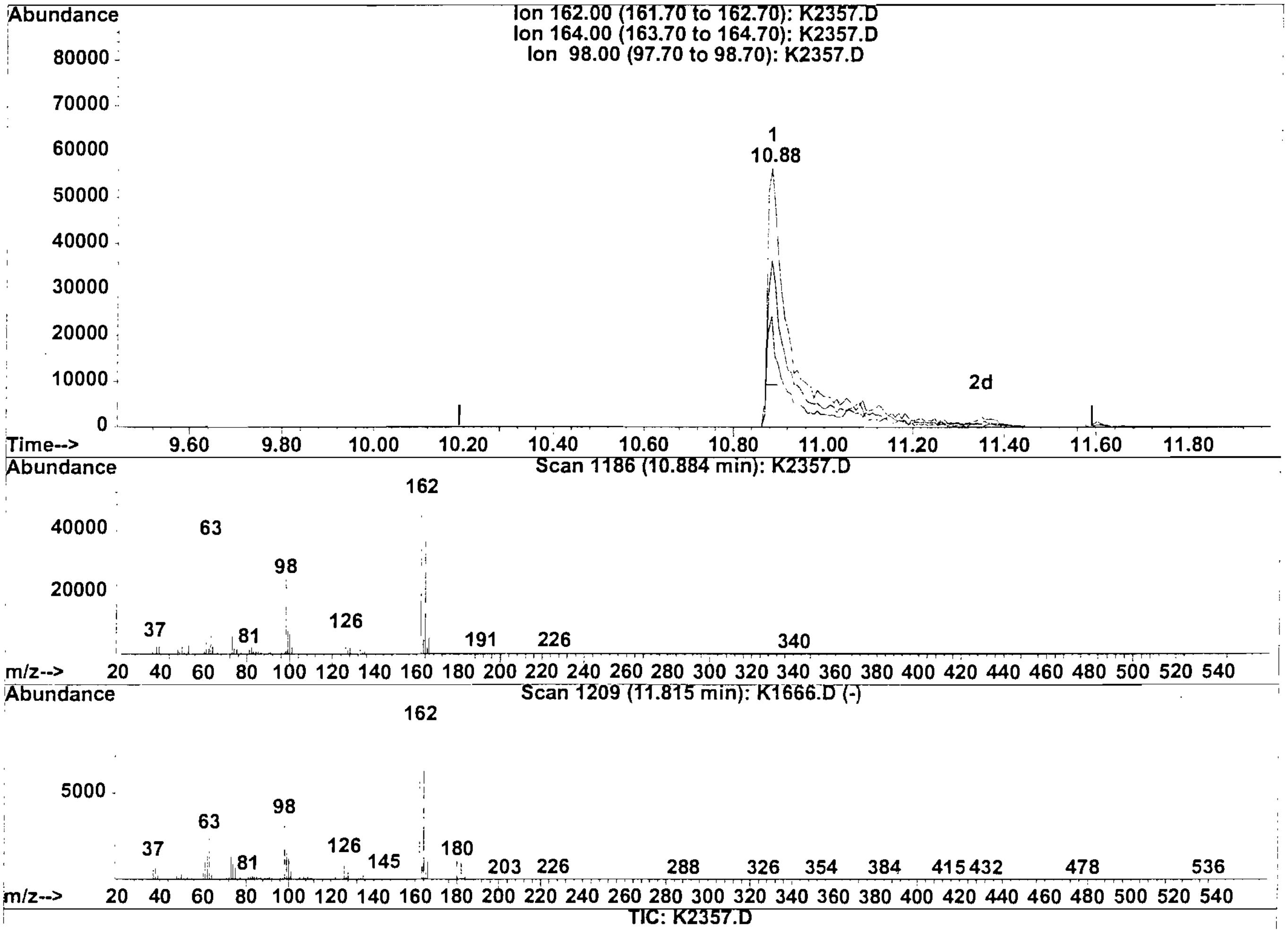
response 250344

Ion	Exp%	Act%
112.00	100	100
64.00	62.70	57.67
63.00	31.70	27.30
0.00	0.00	0.00

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D            Vial: 2
Acq On    : 28 Aug 2000  10:17                       Operator: SJT
Sample    : 80ng BNA CCC                             Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
Quant Time: Aug 28 14:42 2000              Quant Results File: temp.res

Method          : D:\HPCHEM\1\METHODS\BK0815C.M
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Multiple Level Calibration
```



(30) 2,4-Dichlorophenol (C)

10.88min 75.59ng m

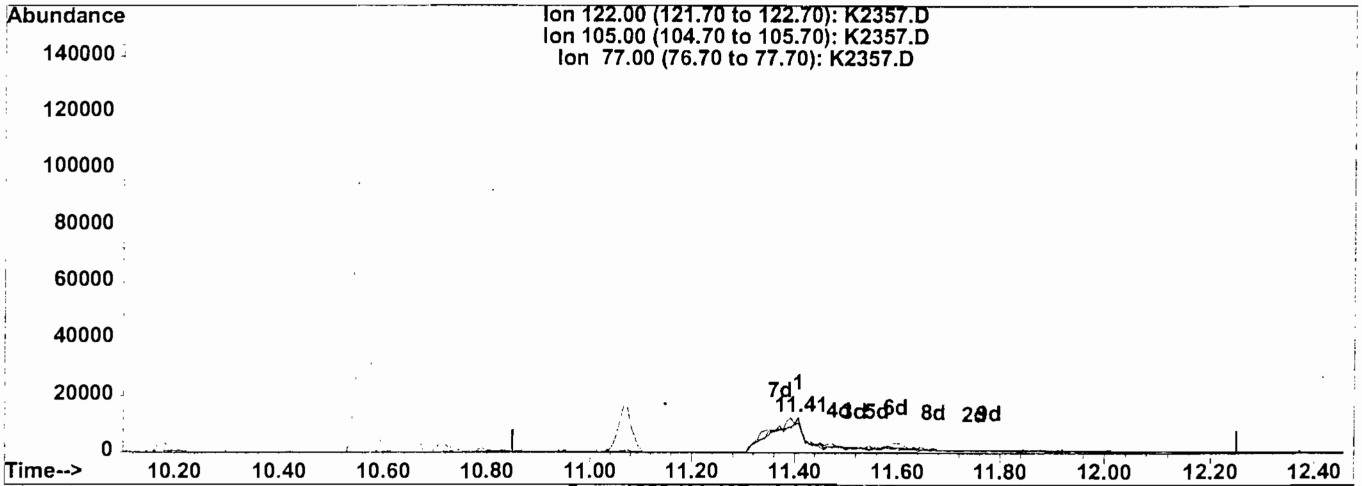
response 230317

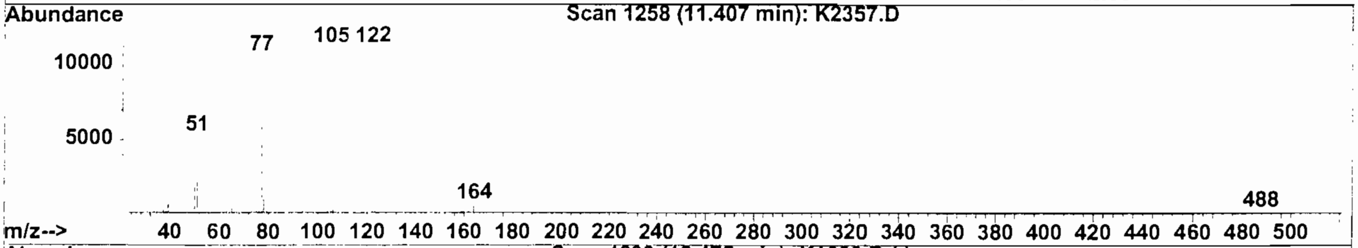
Ion	Exp%	Act%
162.00	100	100
164.00	62.90	64.35
98.00	36.50	42.86
0.00	0.00	0.00

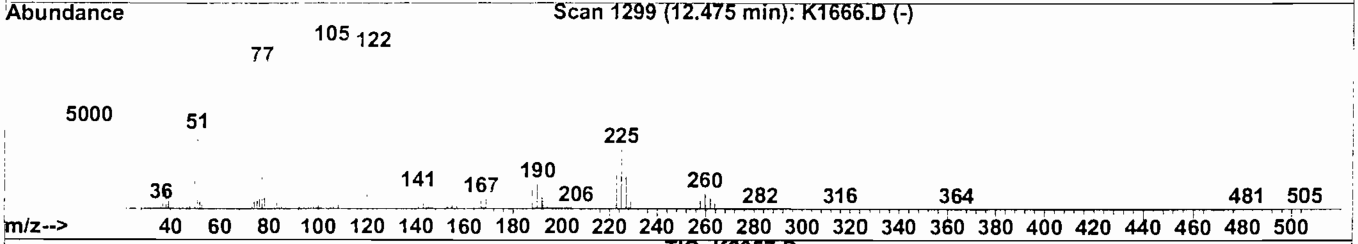
Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
Acq On    : 28 Aug 2000  10:17                         Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 28 14:42 2000                 Quant Results File: temp.res

Method         : D:\HPCHEM\1\METHODS\BK0815C.M
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```







TIC: K2357.D

(33) Benzoic acid

11.41min 52.07ng m

response 97656

Ion	Exp%	Act%
122.00	100	100
105.00	122.90	103.93
77.00	94.20	87.35
0.00	0.00	0.00

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
Acq On    : 28 Aug 2000  10:17                         Operator: SJT
Sample    : 80ng BNA CCC                               Inst    : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 28 14:42 2000                     Quant Results File: temp.res

Method          : D:\HPCHEM\1\METHODS\BK0815C.M
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Mon Jul 17 17:42:02 2000
Response via    : Multiple Level Calibration
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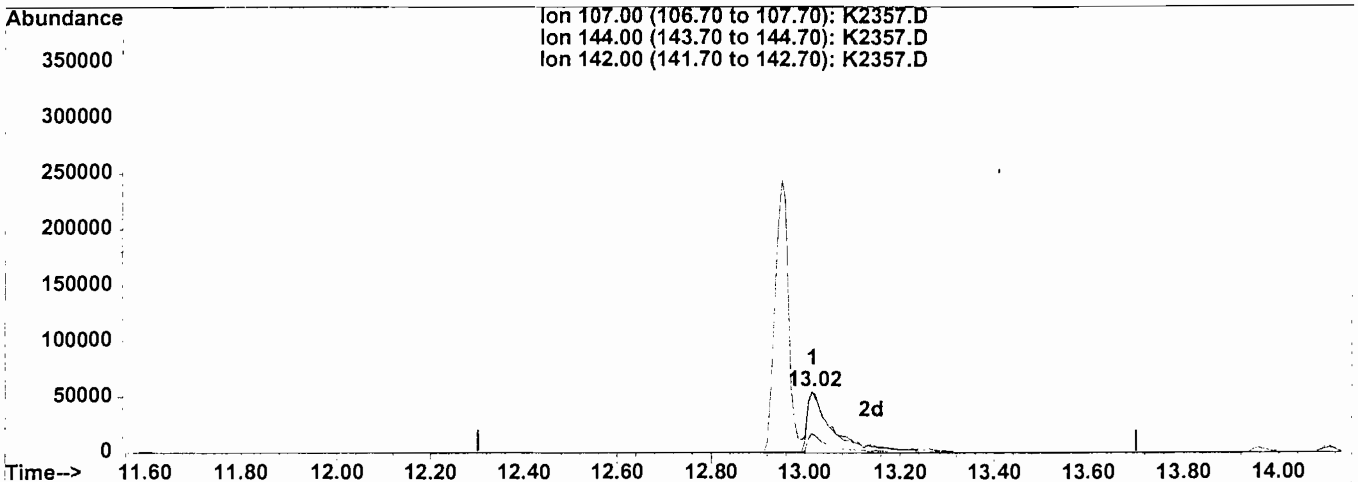

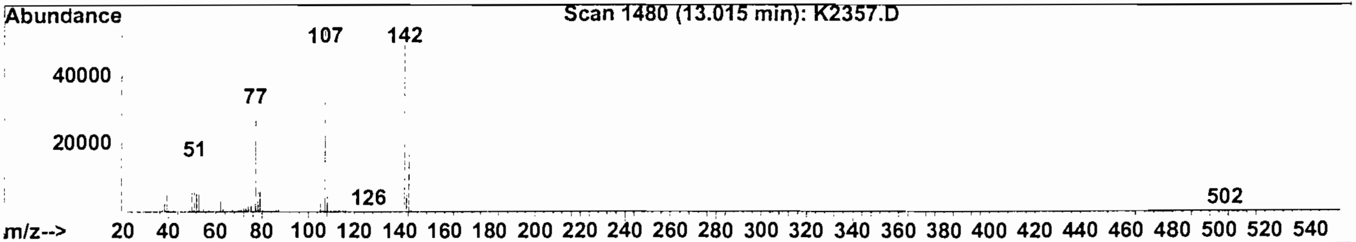

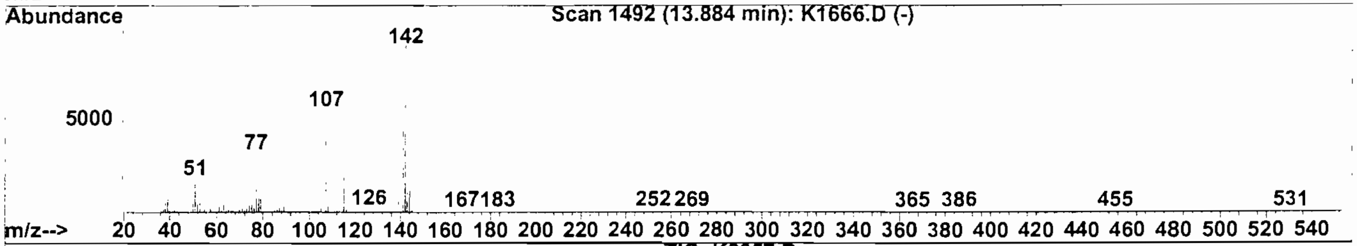

TIC: K2357.D

(37) 4-Chloro-3-methylphenol (C)

13.02min 68.86ng m

response 223710

Ion	Exp%	Act%
107.00	100	100
144.00	27.20	31.97
142.00	265.10	101.93
0.00	0.00	0.00

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D                Vial: 2
Acq On    : 28 Aug 2000   10:17                          Operator: SJT
Sample    : 80ng BNA CCC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
Quant Time: Aug 28 14:43 2000               Quant Results File: temp.res

Method         : D:\HPCHEM\1\METHODS\BK0815C.M
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
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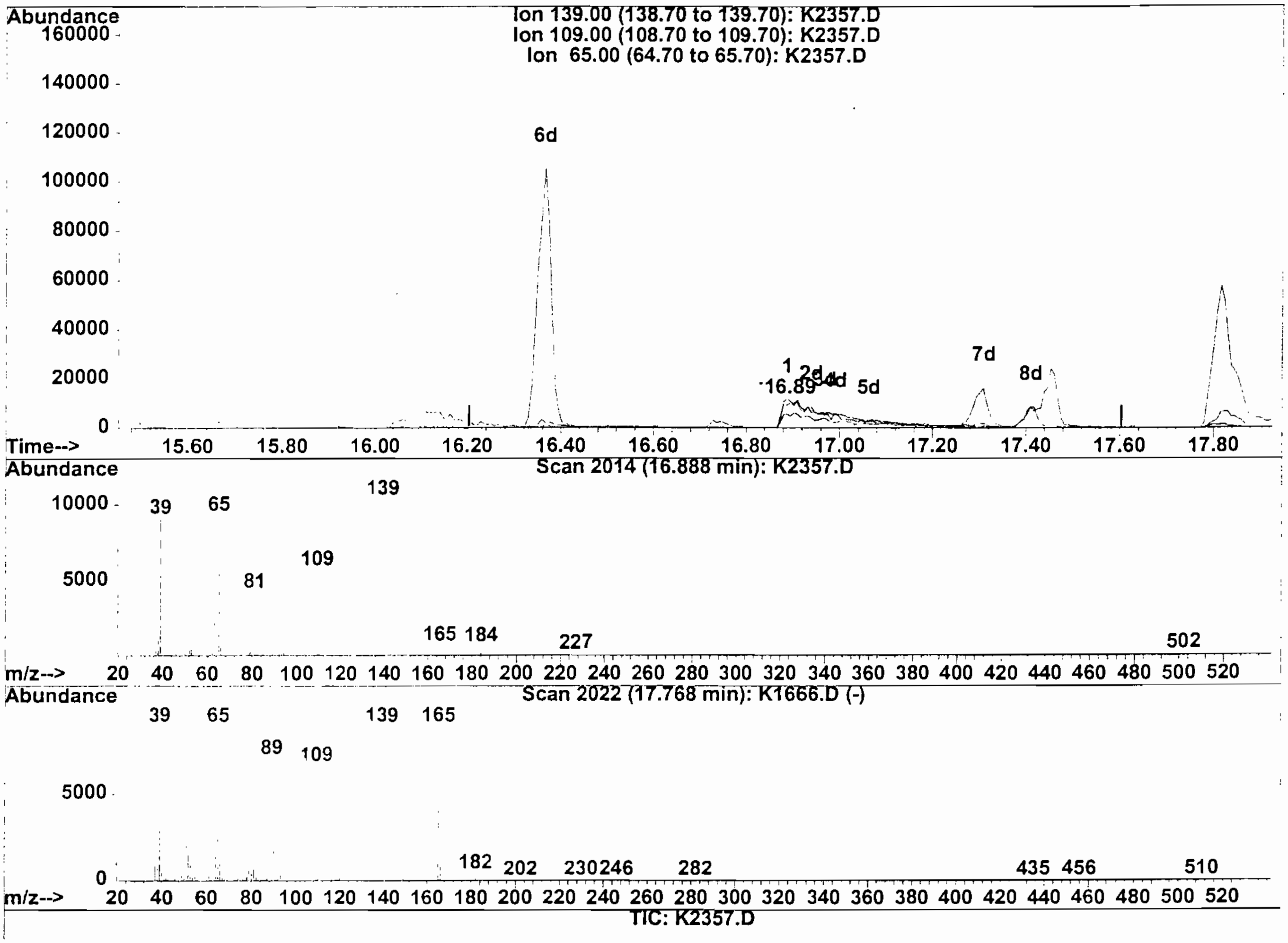


(55) 4-Nitrophenol (P)

16.89min 58.05ng m

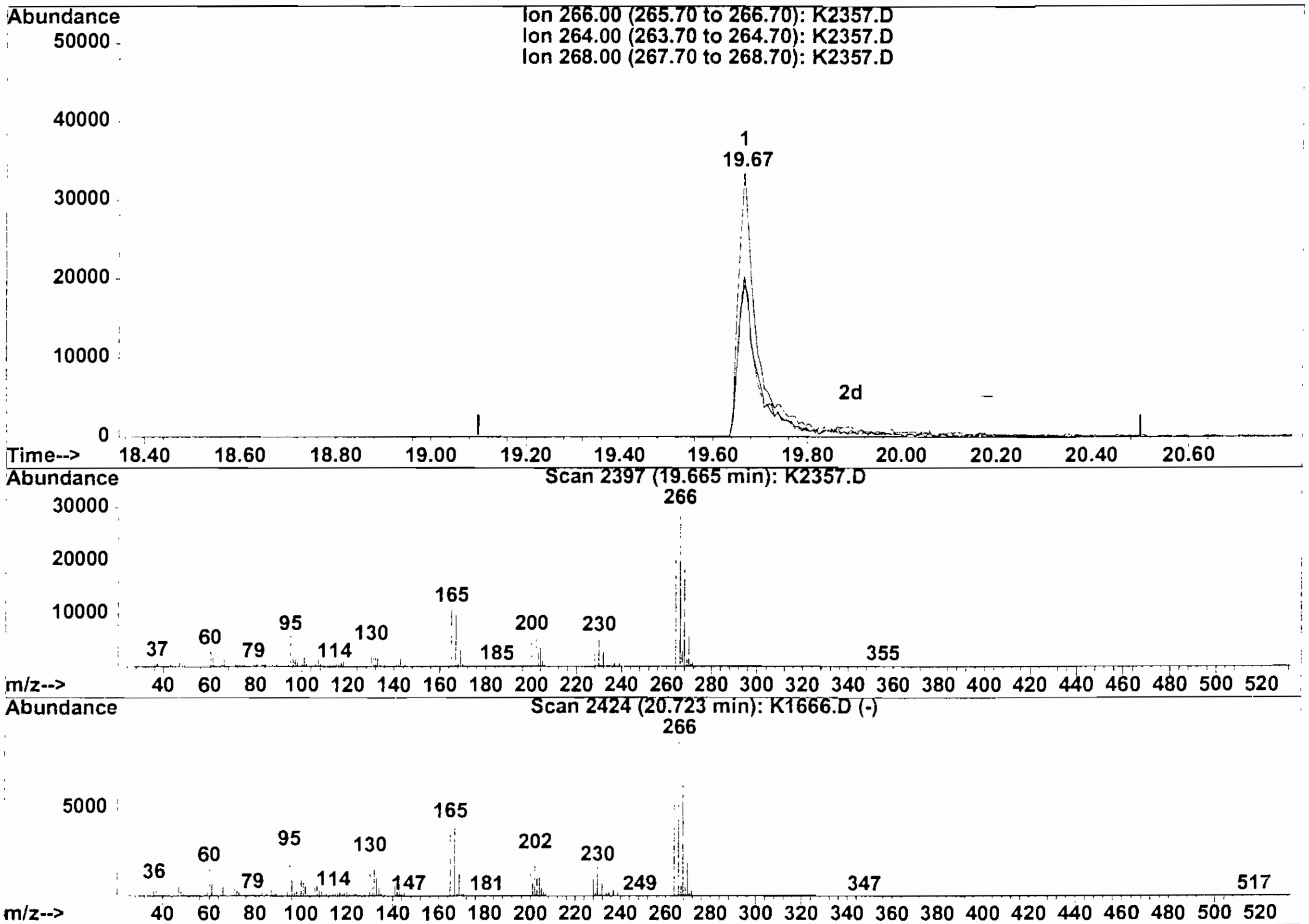
response 91496

Ion	Exp%	Act%
139.00	100	100
109.00	58.30	48.52
65.00	88.00	79.50
0.00	0.00	0.00

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
Acq On    : 28 Aug 2000  10:17                         Operator: SJT
Sample    : 80ng BNA CCC                               Inst     : BNARTE
Misc      :                                            Multiplr: 1.00
Quant Time: Aug 28 14:43 2000               Quant Results File: temp.res

Method         : D:\HPCHEM\1\METHODS\BK0815C.M
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



(68) Pentachlorophenol (C)

19.67min 69.20ng m

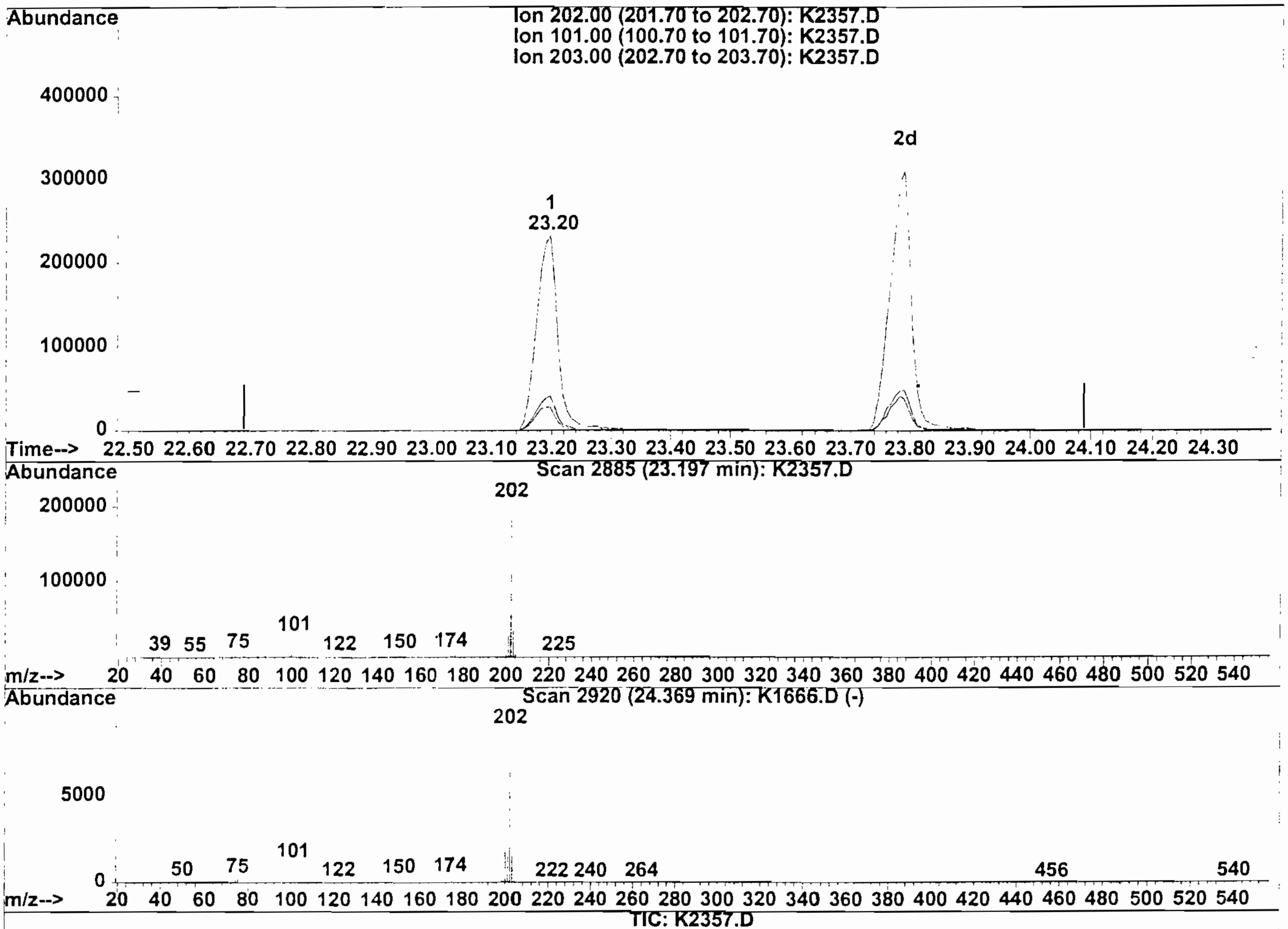
response 107733

Ion	Exp%	Act%
266.00	100	100
264.00	65.40	60.67
268.00	65.70	57.14
0.00	0.00	0.00

Quantitation Report

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
Acq On    : 28 Aug 2000  10:17                           Operator: SJT
Sample    : 80ng BNA CCC                                 Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
Quant Time: Aug 28 14:44 2000                Quant Results File: temp.res

Method         : D:\HPCHEM\1\METHODS\BK0815C.M
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
```



(73) Fluoranthene (C)

23.20min 66.71ng m

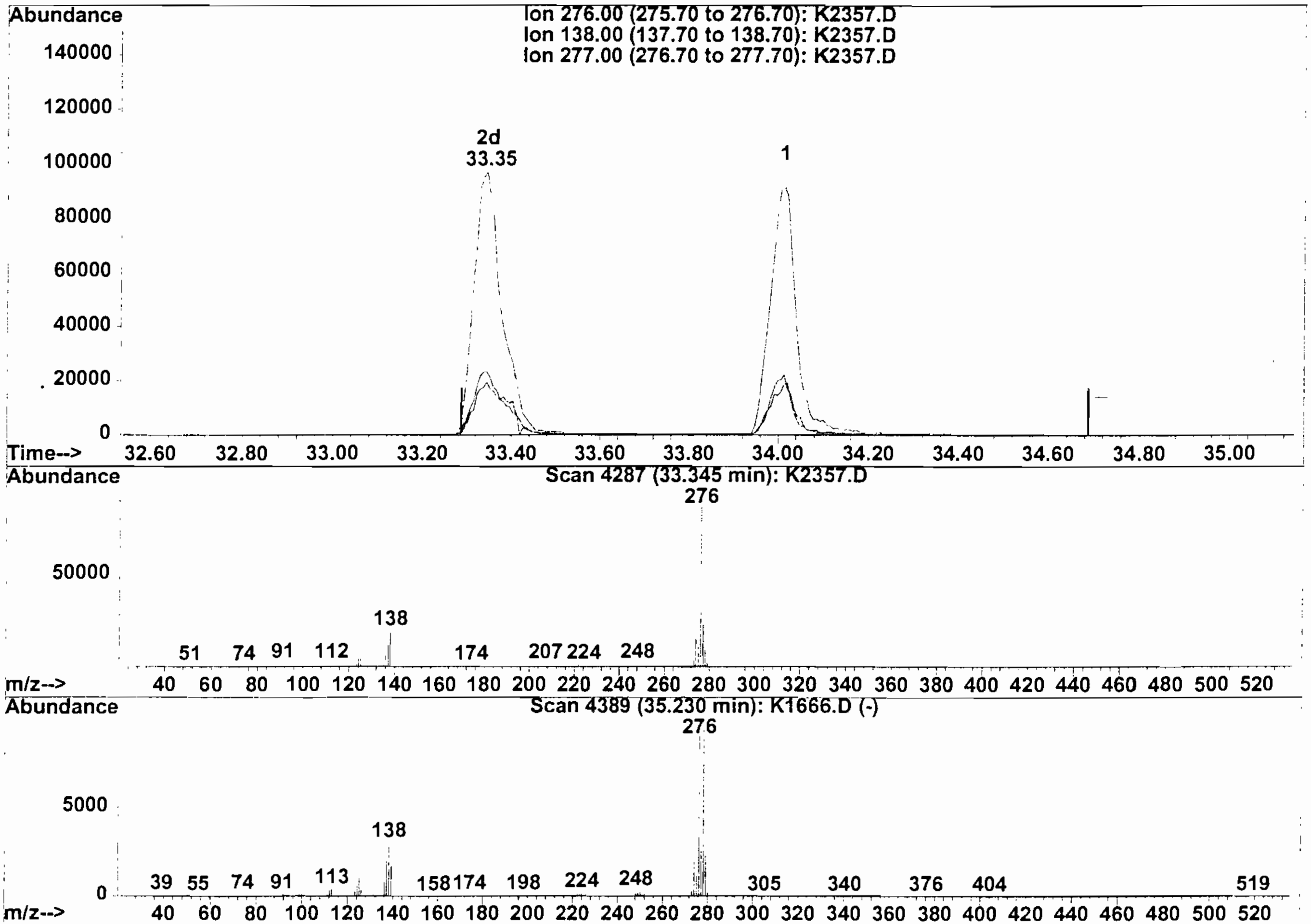
response 649285

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	11.86
203.00	17.20	17.70
0.00	0.00	0.00

```
                         Quantitation Report

  Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D             Vial: 2
  Acq On    : 28 Aug 2000  10:17                         Operator: SJT
  Sample    : 80ng BNA CCC                               Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  Quant Time: Aug 28 14:44 2000                  Quant Results File: temp.res

  Method        : D:\HPCHEM\1\METHODS\BK0815C.M
  Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update   : Mon Jul 17 17:42:02 2000
  Response via  : Multiple Level Calibration
```



TIC: K2357.D

(84) Indeno(1,2,3-cd)pyrene

33.35min 81.06ng m

response 426987

Ion	Exp%	Act%
276.00	100	100
138.00	15.00	19.95
277.00	26.40	24.03
0.00	0.00	0.00

```
                       Evaluate Continuing Calibration Report

  Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D                 Vial: 2
  Acq On    : 28 Aug 2000  10:17                            Operator: SJT
  Sample    : 80ng BNA CCC                                  Inst    : BNARTE
  Misc      :                                               Multiplr: 1.00

  Method          : D:\HPCHEM\1\METHODS\BK0815C.M
  Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update     : Mon Aug 28 14:39:38 2000
  Response via    : Multiple Level Calibration

  Min. RRF      :   0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
  Max. RRF Dev  :  20%     Max. Rel. Area : 150%

       Compound                             AvgRF   CCRF       %Dev Area% Dev(min)
 -----------------------------------------------------------------------------------
 1 I   1,4-Dichlorobenzene-d4               1.000   1.000       0.0   15#   0.00
 2     Pyridine                             1.154   0.854      26.0#  11#  -0.01
 3     n-Nitrosodimethylamine               0.837   0.598      28.6#  11#   0.00
 4 S   2-Fluorophenol                       1.302   1.234       5.2   14#   0.00
 5     Aniline                              1.908   2.094      -9.7   16#   0.00
 6 S   Phenol-d5                            1.777   1.657       6.8   13#   0.04
 7     2-Chlorophenol                       1.376   1.201      12.7   13#   0.00
 8     Benzaldehyde                         0.368   0.319      13.3    8#   0.02
 9 C   Phenol                               1.835   1.586      13.6   12#   0.03
10     bis(2-Chloroethyl)ether              1.595   1.603      -0.5   15#   0.00
11 S   2-Chlorophenol-d4                    1.434   1.380       3.8   14#   0.00
12     1,3-Dichlorobenzene                  1.542   1.621      -5.1   15#   0.00
13 C   1,4-Dichlorobenzene                  1.691   1.669       1.3   14#   0.00
14 s   1,2-Dichlorobenzene-d4               0.875   0.852       2.6   14#   0.00
15     1,2-Dichlorobenzene                  1.527   1.508       1.2   14#  -0.01
16     Benzyl Alcohol                       0.966   0.612      36.6#   9#   0.00
17     2,2'-oxybis(1-Chloropropane          2.851   2.716       4.7   14#   0.00
18     2-Methylphenol                       1.551   1.381      11.0   13#   0.02
19     Hexachloroethane                     0.623   0.675      -8.3   16#   0.00
20 P   n-Nitroso-di-n-propylamine           1.067   1.080      -1.2   14#  -0.03
21     3+4-Methylphenols                    1.560   1.200      23.1#  11#   0.00

22 I   Naphthalene-d8                       1.000   1.000       0.0   12#  -0.04
23     Acetophenone                         0.502   0.501       0.2   12#  -0.05
24 S   Nitrobenzene-d5                      0.355   0.386      -8.7   13#  -0.01
25     Nitrobenzene                         0.409   0.474     -15.9   14#  -0.03
26     Isophorone                           0.863   0.789       8.6   11#  -0.04
27 C   2-Nitrophenol                        0.224   0.213       4.9   11#   0.00
28     2,4-Dimethylphenol                   0.312   0.310       0.6   13#   0.00
29     bis(2-Chloroethoxy)methane           0.491   0.541     -10.2   13#   0.00
30 C   2,4-Dichlorophenol                   0.355   0.336       5.4   11#   0.00
31     1,2,4-Trichlorobenzene               0.376   0.394      -4.8   12#  -0.01
32     Naphthalene                          1.060   1.026       3.2   11#  -0.04
33     Benzoic acid                         0.219   0.142      35.2#   8#  -0.14
34     4-Chloroaniline                      0.382   0.361       5.5   11#  -0.01
35 C   Hexachlorobutadiene                  0.229   0.223       2.6   11#  -0.01
36     Caprolactam                          0.009   0.009       0.0   12#  -0.28
37 C   4-Chloro-3-methylphenol              0.379   0.326      14.0   10#   0.01
38     2-Methylnaphthalene                  1.045   0.709      32.2#   8#  -0.04

39 I   Acenaphthene-d10                     1.000   1.000       0.0    9#  -0.07
40 P   Hexachlorocyclopentadiene            0.186   0.295     -58.6#  14#  -0.02
-------------------------------------------------------------------------------------
  (#) = Out of Range
 K2357.D  BK0815C.M        Mon Aug 28 14:46:19 2000        RPT1                Page 1
```

```
                    Evaluate Continuing Calibration Report

   Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D              Vial: 2
   Acq On    : 28 Aug 2000  10:17                          Operator: SJT
   Sample    : 80ng BNA CCC                                Inst    : BNARTE
   Misc      :                                             Multiplr: 1.00

   Method          : D:\HPCHEM\1\METHODS\BK0815C.M
   Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
   Last Update     : Mon Aug 28 14:39:38 2000
   Response via : Multiple Level Calibration

   Min. RRF      :    0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
   Max. RRF Dev :  20%       Max. Rel. Area : 150%

        Compound                              AvgRF    CCRF        %Dev Area% Dev(min)
  ------------------------------------------------------------------------------------
41 S    2,4,6-Tribromophenol                  0.362    0.215       40.6#    5# -0.11
42 C    2,4,6-Trichlorophenol                 0.421    0.413        1.9     9# -0.04
43      2,4,5-Trichlorophenol                 0.417    0.336       19.4     7# -0.03
44 S    2-Fluorobiphenyl                      1.348    1.501      -11.4    10# -0.05
45      1,1'-Biphenyl                         1.026    1.207      -17.6    11# -0.06
46      2-Chloronaphthalene                   1.077    1.187      -10.2    10# -0.06
47      2-Nitroaniline                        0.430    0.412        4.2     8# -0.07
48      Acenaphthylene                        1.523    1.463        3.9     9# -0.08
49      Dimethylphthalate                     1.448    1.261       12.9     8# -0.06
50      2,6-Dinitrotoluene                    0.363    0.295       18.7     7# -0.08
51 C    Acenaphthene                          1.023    1.013        1.0     9# -0.10
52      3-Nitroaniline                        0.369    0.312       15.4     7# -0.09
53 P    2,4-Dinitrophenol                     0.202    0.164       18.8     6# -0.08
54      Dibenzofuran                          1.680    1.706       -1.5     9# -0.10
55 P    4-Nitrophenol                         0.322    0.234       27.3#    6# -0.01
56      2,4-Dinitrotoluene                    0.575    0.422       26.6#    7# -0.10
57      Fluorene                              1.388    1.188       14.4     8# -0.11
58      Diethylphthalate                      1.443    1.186       17.8     7# -0.10
59      4-Chlorophenyl-phenylether            0.741    0.683        7.8     8# -0.08
60      4-Nitroaniline                        0.349    0.276       20.9#    7# -0.16
61      Azobenzene                            1.555    1.495        3.9     9# -0.08

62 I    Phenanthrene-d10                      1.000    1.000        0.0     6# -0.12
63      4,6-Dinitro-2-methylphenol            0.154    0.155       -0.6     6# -0.11
64 C    n-Nitrosodiphenylamine                0.442    0.500      -13.1     7# -0.08
65      4-Bromophenyl-phenylether             0.294    0.321       -9.2     7# -0.10
66      Hexachlorobenzene                     0.285    0.272        4.6     6# -0.13
67      Atrazine                              0.203    0.185        8.9     6# -0.13
68 C    Pentachlorophenol                     0.199    0.172       13.6     5# -0.13
69      Phenanthrene                          1.002    0.956        4.6     6# -0.17
70      Anthracene                            1.006    0.964        4.2     6# -0.17
71      Carbazole                             0.894    0.934       -4.5     7# -0.14
72      Di-n-butylphthalate                   1.315    1.260        4.2     6# -0.09
73 C    Fluoranthene                          1.246    1.039       16.6     5# -0.19

74 I    Chrysene-d12                          1.000    1.000        0.0     4# -0.23
75      Benzidine                             0.102    0.108       -5.9     4# -0.08
76      Pyrene                                1.181    1.694      -43.4#    6# -0.21
77 S    Terphenyl-d14                         0.874    0.986      -12.8     5# -0.15
78      Butylbenzylphthalate                  0.605    0.700      -15.7     5# -0.14
79      Benzo(a)anthracene                    1.189    1.111        6.6     4# -0.23
80      3,3'-Dichlorobenzidine                0.329    0.381      -15.8     4# -0.20
-------------------------------------------------------------------------------------
  (#) = Out of Range
 K2357.D  BK0815C.M       Mon Aug 28 14:46:22 2000       RPT1                Page 2
```

Evaluate Continuing Calibration Report

```
   Data File : D:\HPCHEM\1\DATA\BK082800\K2357.D          Vial: 2
   Acq On    : 28 Aug 2000  10:17                     Operator: SJT
   Sample    : 80ng BNA CCC                           Inst    : BNARTE
   Misc      :                                        Multiplr: 1.00

   Method        : D:\HPCHEM\1\METHODS\BK0815C.M
   Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
   Last Update   : Mon Aug 28 14:39:38 2000
   Response via  : Multiple Level Calibration

   Min. RRF      :   0.000  Min. Rel. Area :  20%  Max. R.T. Dev  0.50min
   Max. RRF Dev  :  20%     Max. Rel. Area : 150%

         Compound                          AvgRF    CCRF       %Dev Area% Dev(min)
   ------------------------------------------------------------------------------
81       Chrysene                          0.941    1.001       -6.4     4# -0.27
82       Bis(2-ethylhexyl)phthalate        0.829    0.946      -14.1     5# -0.12
83 C     Di-n-octyl phthalate              1.494    1.515       -1.4     4# -0.13
84       Indeno(1,2,3-cd)pyrene            0.934    0.947       -1.4     4# -0.64#

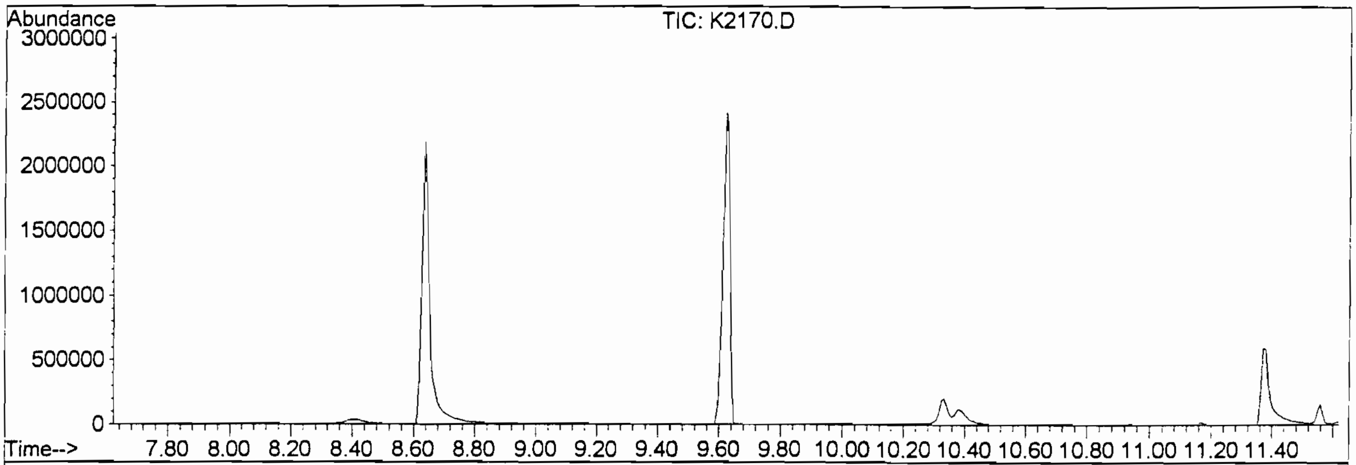
85 I     Perylene-d12                      1.000    1.000        0.0     3# -0.28
86       Benzo(b)fluoranthene              1.472    1.082       26.5#    2# -0.30
87       Benzo(k)fluoranthene              0.803    1.142      -42.2#    6# -0.31
88 C     Benzo(a)pyrene                    1.008    0.976        3.2     3# -0.30
89       Dibenzo(a,h)anthracene            0.785    0.978      -24.6#    4# -0.67#
90       Benzo(g,h,i)perylene              0.727    0.971      -33.6#    5# -0.79#

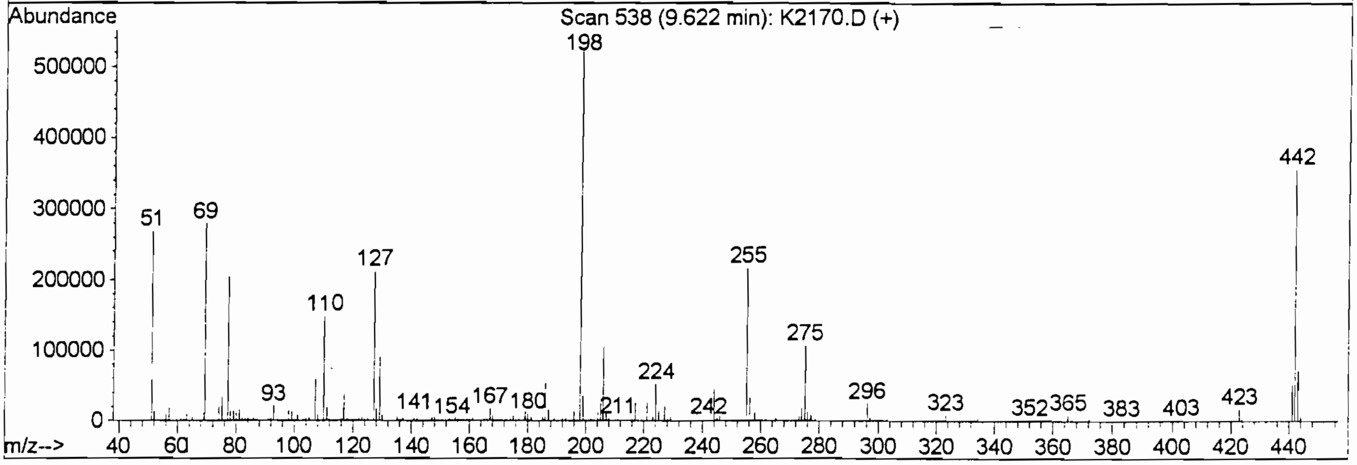



-----------------------------------------------------------------------------
 (#) = Out of Range              SPCC's out = 0  CCC's out = 0
```

```
                                   DFTPP

   Data File : H:\HPCHEM\1\DATA\BK081400\K2170.D               Vial: 1
   Acq On    : 14 Aug 2000  10:09 am                        Operator: SJT
   Sample    : 50 ng DFTPP                                  Inst    : BNARTE
   Misc      :                                              Multiplr: 1.00
   MS Integration Params: rteint.p
   Method    : H:\HPCHEM\1\METHODS\BK0715C.M (RTE Integrator)
   Title     : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
```



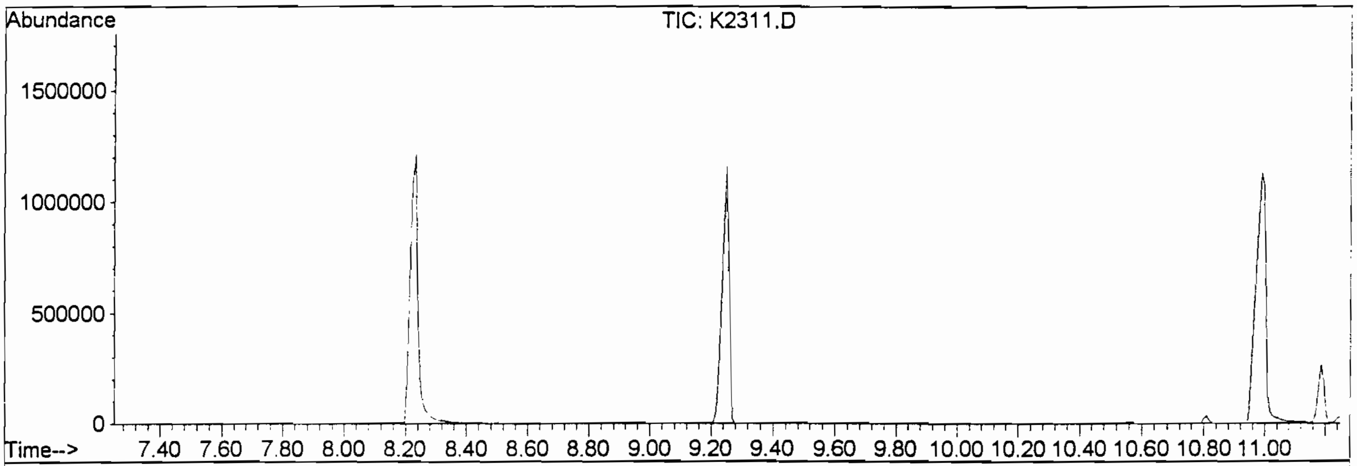


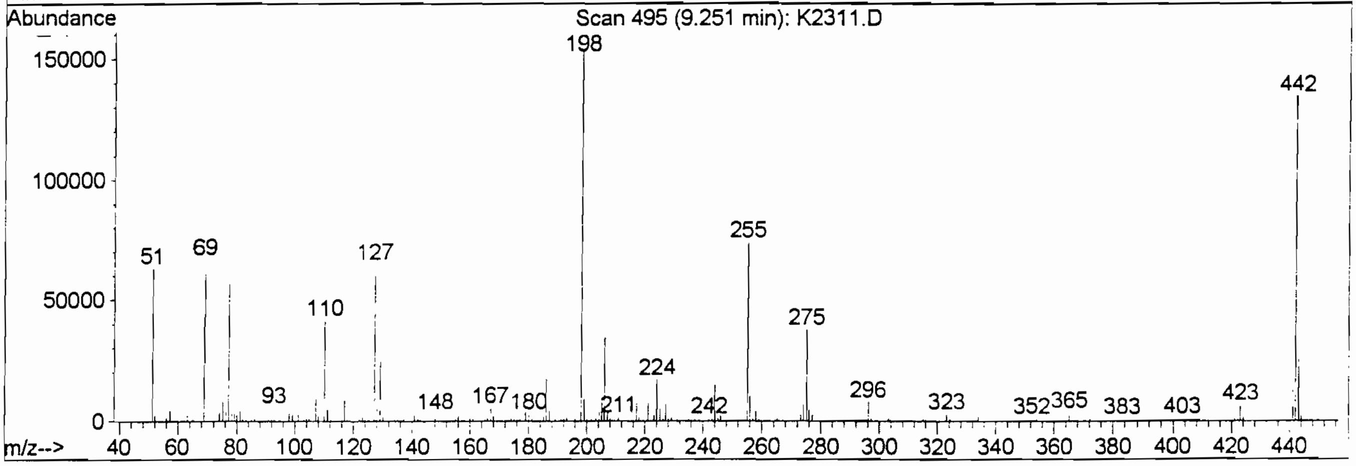
```
Spectrum Information: Scan 538

| Target | Rel. to | Lower  | Upper  |  Rel.  |     Raw    |    Result   |
|  Mass  |   Mass  | Limit% | Limit% |  Abn%  |     Abn    |  Pass/Fail  |
---------------------------------------------------------------------------
|   51   |   198   |    30  |    60  |  51.0  |    268425  |    PASS     |
|   68   |    69   |  0.00  |     2  |   0.0  |         0  |    PASS     |
|   69   |   198   |  0.00  |   100  |  53.0  |    278735  |    PASS     |
|   70   |    69   |  0.00  |     2  |   0.3  |       765  |    PASS     |
|  127   |   198   |    40  |    60  |  40.4  |    212273  |    PASS     |
|  197   |   198   |  0.00  |     1  |   0.0  |         0  |    PASS     |
|  198   |   198   |   100  |   100  | 100.0  |    525960  |    PASS     |
|  199   |   198   |     5  |     9  |   6.8  |     35673  |    PASS     |
|  275   |   198   |    10  |    30  |  20.4  |    107415  |    PASS     |
|  365   |   198   |     1  |   100  |   1.7  |      9120  |    PASS     |
|  441   |   443   |  0.01  |   100  |  71.6  |     51460  |    PASS     |
|  442   |   198   |    40  |   100  |  67.7  |    355880  |    PASS     |
|  443   |   442   |    17  |    23  |  20.2  |     71861  |    PASS     |
---------------------------------------------------------------------------
```

DFTPP

Data File : H:\HPCHEM\1\DATA\BK082200\K2311.D Vial: 1
Acq On : 22 Aug 2000 3:14 pm Operator: SJT
Sample : 50 ng DFTPP Inst : BNARTE
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION





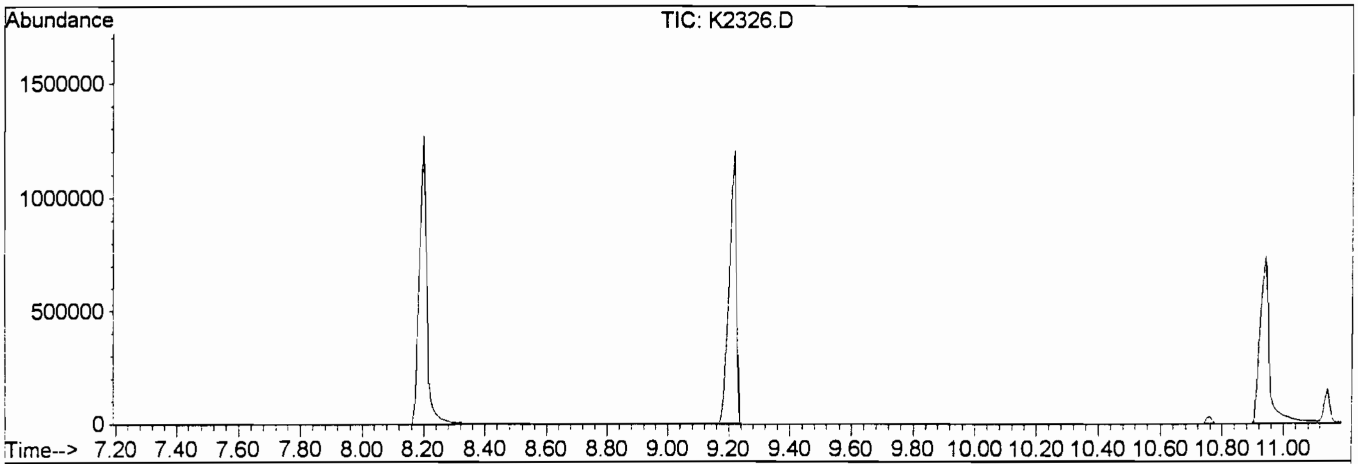
Spectrum Information: Scan 495

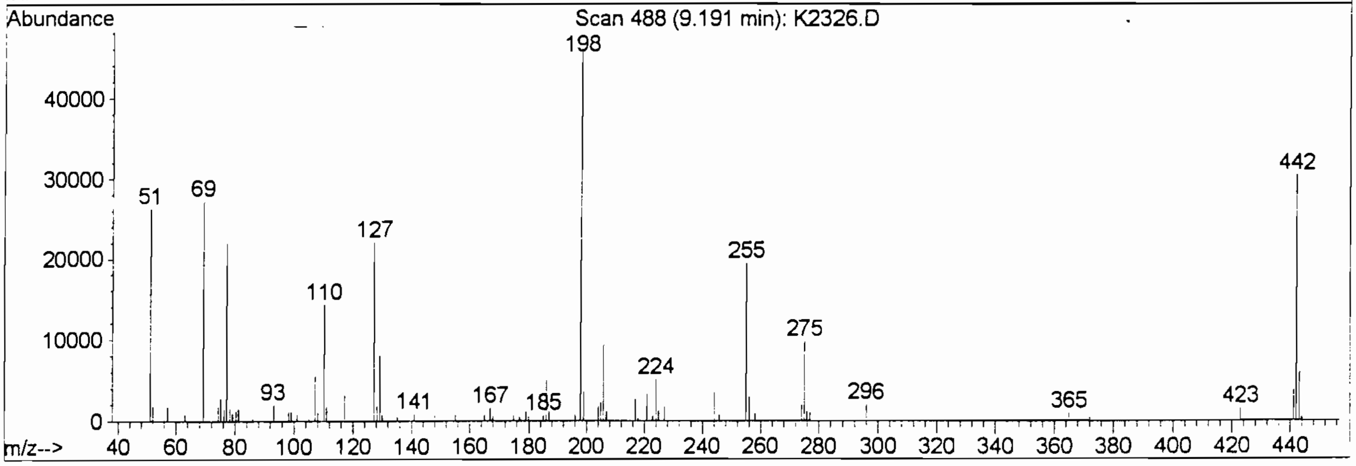
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.1	63192	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.5	66904	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.1	64752	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	153856	PASS
199	198	5	9	6.0	9287	PASS
275	198	10	30	24.6	37792	PASS
365	198	1	100	2.2	3331	PASS
441	443	0.01	100	72.0	18232	PASS
442	198	40	100	87.3	134336	PASS
443	442	17	23	18.8	25312	PASS

K2311.D BK0815C.M Tue Aug 22 16:20:01 2000 RPT1

DFTPP

Data File : H:\HPCHEM\1\DATA\BK082300\K2326.D Vial: 1
Acq On : 23 Aug 2000 12:02 pm Operator: SJT
Sample : 50 ng DFTPP Inst : BNARTE
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : I:\HPCHEM\1\METHODS\625L0823.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION





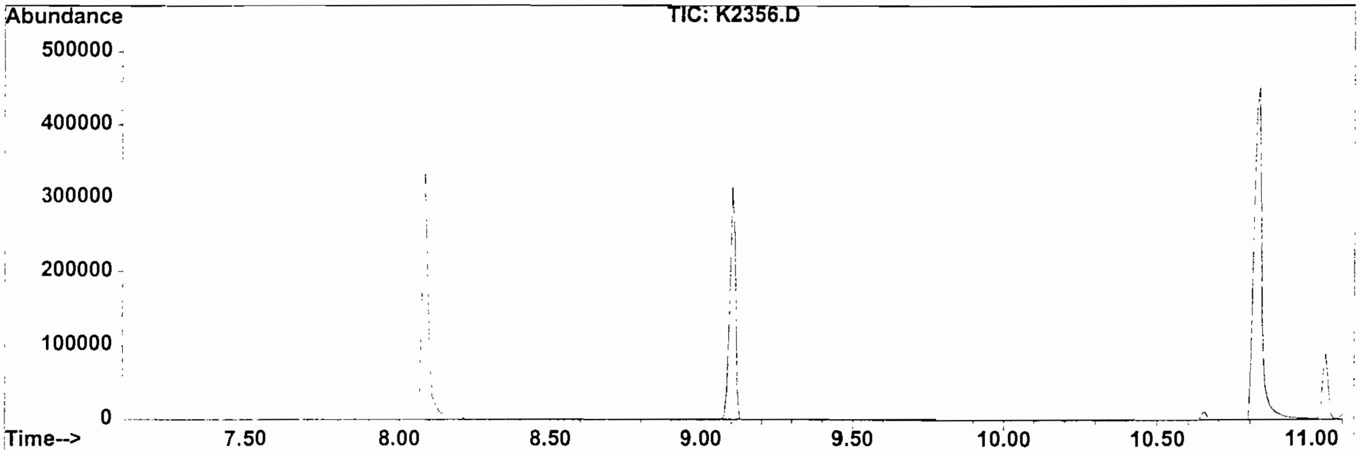
Spectrum Information: Scan 488

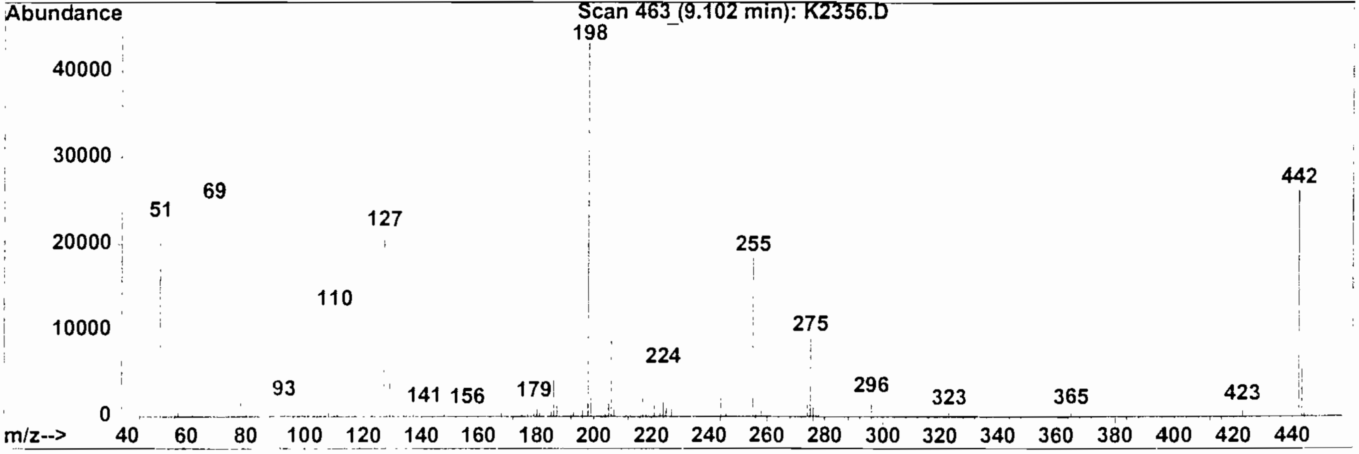
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.4	26368	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	59.4	27320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	22136	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45976	PASS
199	198	5	9	7.7	3558	PASS
275	198	10	30	21.2	9761	PASS
365	198	1	100	2.1	958	PASS
441	443	0.01	100	63.7	3746	PASS
442	198	40	100	66.3	30472	PASS
443	442	17	23	19.3	5879	PASS

DFTPP

```
Data File : D:\HPCHEM\1\DATA\BK082800\K2356.D              Vial: 1
Acq On    : 28 Aug 2000   9:50                        Operator: SJT
Sample    : 50 ng DFTPP                               Inst    : BNARTE
Misc      :                                           Multiplr: 1.00

Method    : D:\HPCHEM\1\METHODS\BK0815C.M
Title     : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
```





Spectrum Information: Scan 463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	22504	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	56.9	24632	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	49.3	21368	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	43304	PASS
199	198	5	9	6.1	2662	PASS
275	198	10	30	21.3	9209	PASS
365	198	1	100	1.9	823	PASS
441	443	0.01	100	53.9	3035	PASS
442	198	40	100	60.6	26224	PASS
443	442	17	23	21.5	5636	PASS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: SBLK01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2313.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	330	U
95-50-1	1,2-Dichlorobenzene	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
621-64-7	n-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	330	U
86-30-6	n-Nitrosodiphenylamine	330	U
122-66-7	Azobenzene	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: SBLK01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2313.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

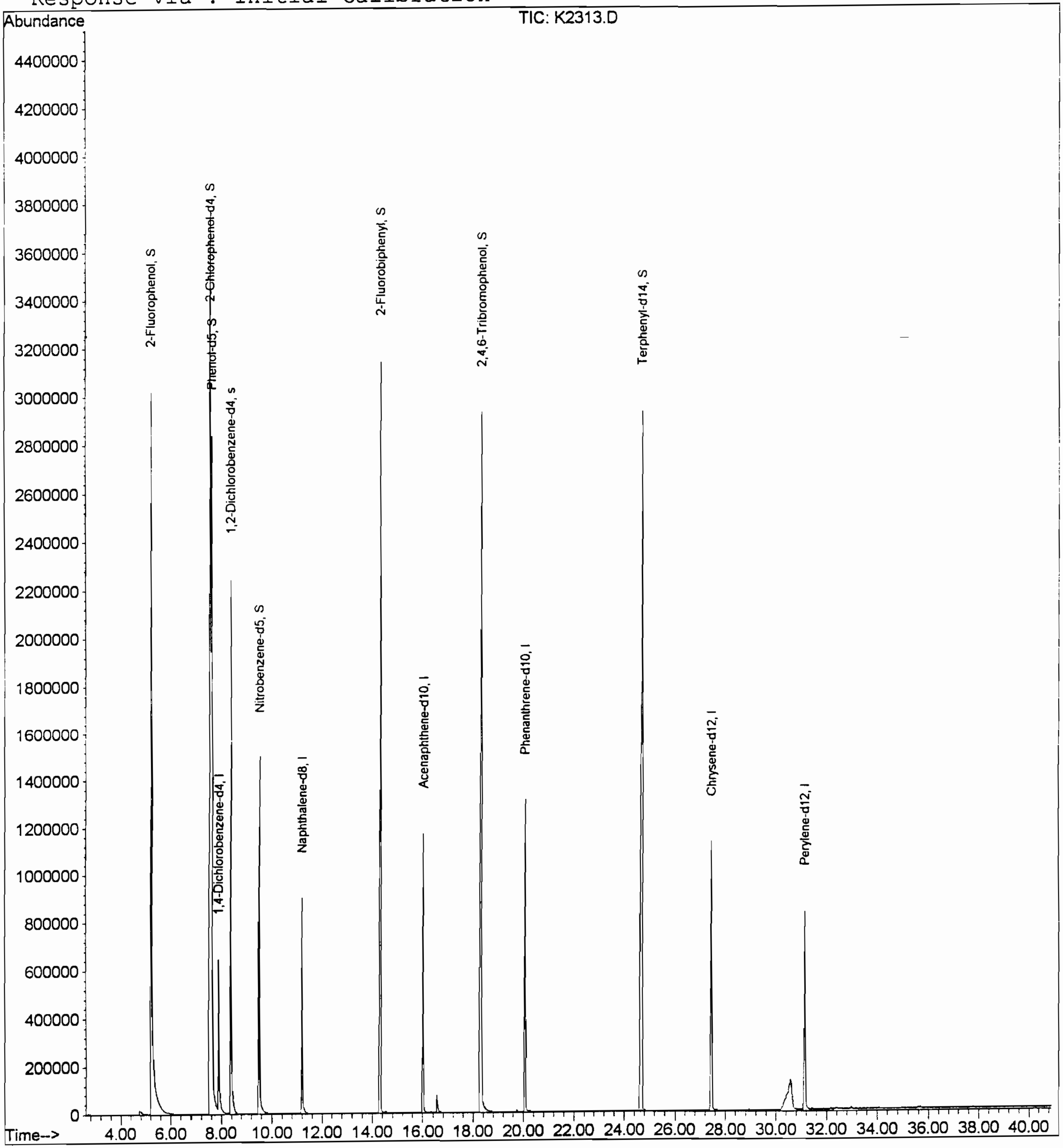
GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2313.D          Vial: 3
Acq On    : 22 Aug 2000   4:30 pm                  Operator: SJT
Sample    : BLK 1 - QB264                          Inst    : BNARTE
Misc      :                                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23  9:18 2000               Quant Results File: BK0815C.RES

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Tue Aug 15 14:40:17 2000
Response via   : Initial Calibration
```



```
                              Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082200\K2313.D              Vial: 3
  Acq On    : 22 Aug 2000   4:30 pm                      Operator: SJT
  Sample    : BLK 1 - QB264                              Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 23  9:18 2000                 Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Wed Aug 23 08:19:33 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


Internal Standards                        R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------------

  1) 1,4-Dichlorobenzene-d4              7.89  152    255349    40.00 ng      -0.23
 22) Naphthalene-d8                     11.19  136    946492    40.00 ng      -0.57
 39) Acenaphthene-d10                   16.02  164    665789    40.00 ng      -0.58
 62) Phenanthrene-d10                   20.06  188   1415842    40.00 ng      -0.61
 74) Chrysene-d12                       27.45  240   1371661    40.00 ng      -0.69
 85) Perylene-d12                       31.15  264   1170225    40.00 ng      -0.71

System Monitoring Compounds
  4) 2-Fluorophenol                      5.23  112   2826273   339.92 ng      -0.47
  6) Phenol-d5                           7.62   99   3684629   324.83 ng      -0.43
 11) 2-Chlorophenol-d4                   7.54  132   2905800m  317.48 ng      -0.49
 14) 1,2-Dichlorobenzene-d4              8.38  152    921450   164.99 ng      -0.51
 24) Nitrobenzene-d5                     9.51   82   1476509   175.56 ng      -0.51
 41) 2,4,6-Tribromophenol               18.33  330   1559127   258.91 ng      -0.57
 44) 2-Fluorobiphenyl                   14.32  172   3198706   142.51 ng      -0.54
 77) Terphenyl-d14                      24.72  244   4399346   146.84 ng      -0.56

Target Compounds                                                          Qvalue
```

8/23

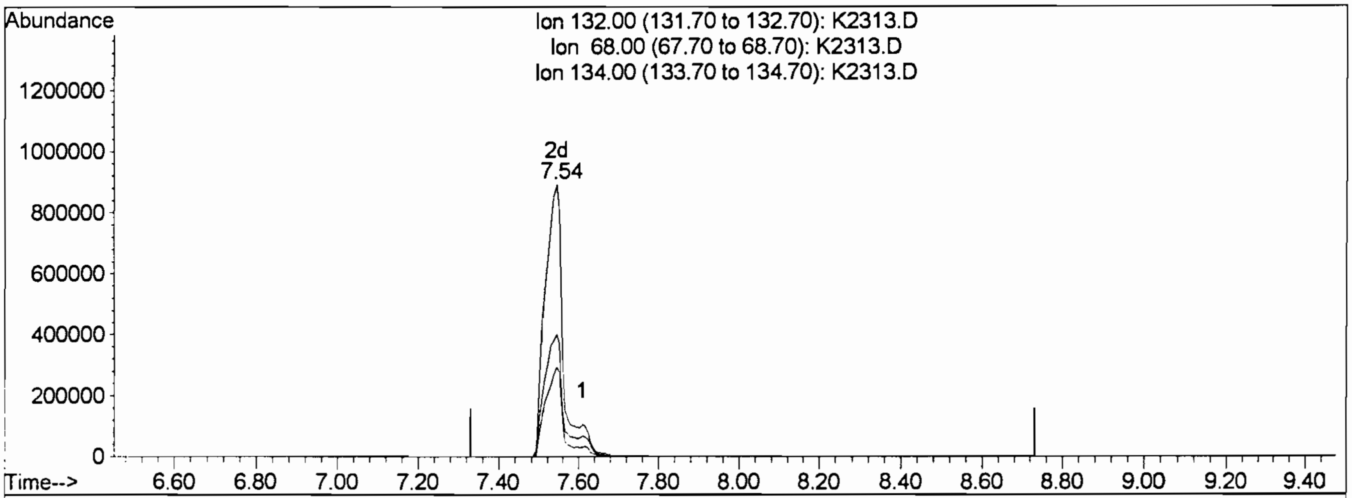
8/23/00

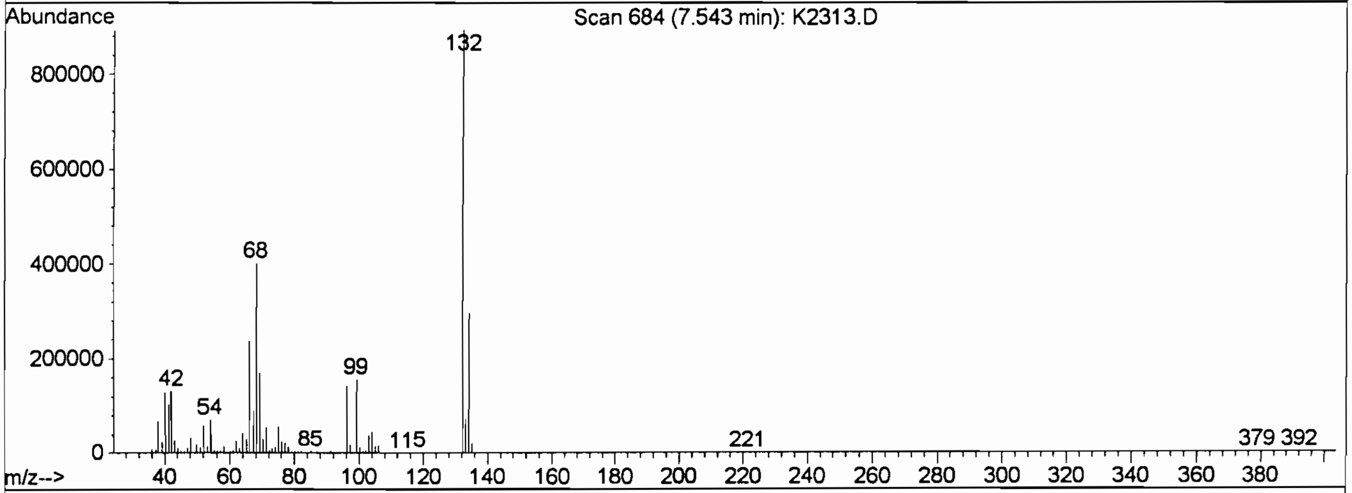
```
---------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2313.D  BK0815C.M      Wed Aug 23 09:18:57 2000      RPT1                 Page 1
```

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2313.D              Vial: 3
Acq On    : 22 Aug 2000   4:30 pm                       Operator: SJT
Sample    : BLK 1 - QB264                               Inst    : BNARTE
Misc      :                                             Multiplr: 1.00
QSantEgmatiAngPa3am9:18t2000.p               Quant Results File: temp.res

Method        : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title         : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update   : Wed Aug 30 10:20:23 2000
Response via  : Multiple Level Calibration
```





TIC: K2313.D

(11) 2-Chlorophenol-d4 (S)

7.54min 317.48ng m

response 2905800

Ion	Exp%	Act%
132.00	100	100
68.00	48.50	44.85
134.00	32.20	32.93
0.00	0.00	0.00

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLKSPK01

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: BLKSPK01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2314.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
111-44-4	bis(2-Chloroethyl)ether	330	U
95-50-1	1,2-Dichlorobenzene	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	2300	
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
621-64-7	n-Nitroso-di-n-propylamine	3100	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-82-1	1,2,4-Trichlorobenzene	2400	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	2600	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	2200	
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	330	U
86-30-6	n-Nitrosodiphenylamine	330	U
122-66-7	Azobenzene	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLKSPK01

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: BLKSPK01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2314.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

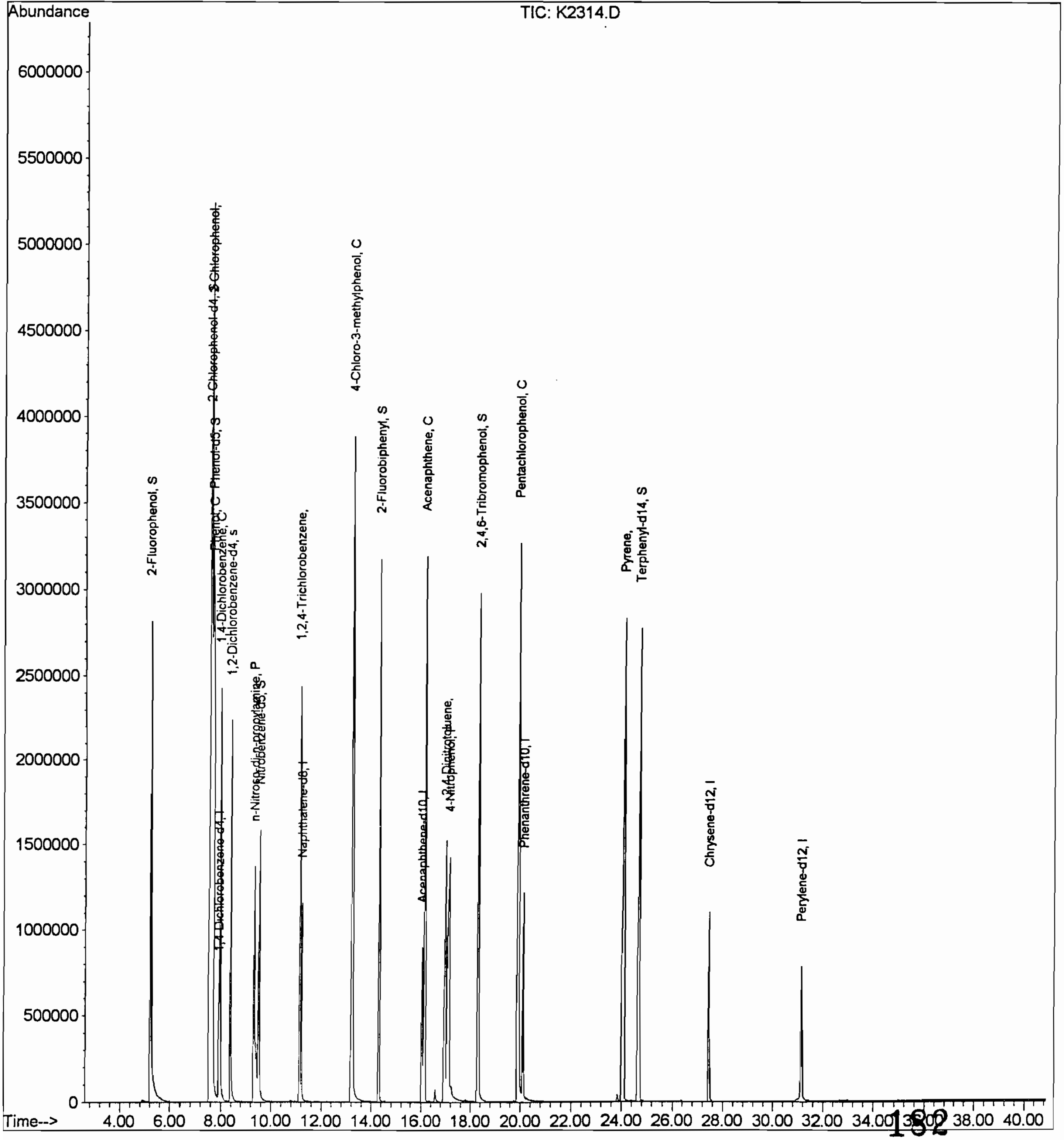
GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	2600	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2314.D               Vial: 4
Acq On    : 22 Aug 2000    5:19 pm                       Operator: SJT
Sample    : BLK SPK1 - QB264                             Inst     : BNARTE
Misc      :                                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23  9:24 2000                  Quant Results File: BK0815C.RES

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Tue Aug 15 14:40:17 2000
Response via   : Initial Calibration
```



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                         Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082200\K2314.D              Vial: 4
  Acq On    : 22 Aug 2000   5:19 pm                      Operator: SJT
  Sample    : BLK SPK1 - QB264                           Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 23  9:24 2000                 Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Tue Aug 15 14:40:17 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


Internal Standards                   R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4          7.91  152   244322    40.00 ng      0.00
 22) Naphthalene-d8                 11.22  136  1006016    40.00 ng     -0.02
 39) Acenaphthene-d10               16.03  164   685220    40.00 ng     -0.02
 62) Phenanthrene-d10               20.11  188  1363370    40.00 ng      0.00
 74) Chrysene-d12                   27.45  240  1320956    40.00 ng     -0.05
 85) Perylene-d12                   31.15  264  1057528    40.00 ng     -0.08

System Monitoring Compounds
  4) 2-Fluorophenol                  5.23  112  2550193   320.55 ng      0.02
  6) Phenol-d5                       7.69   99  3598681   331.58 ng      0.08
 11) 2-Chlorophenol-d4               7.56  132  2440920   278.73 ng      0.02
 14) 1,2-Dichlorobenzene-d4          8.39  152   895212   167.52 ng      0.00
 24) Nitrobenzene-d5                 9.53   82  1572137   175.87 ng     -0.01
 41) 2,4,6-Tribromophenol           18.35  330  1619106   261.24 ng      0.00
 44) 2-Fluorobiphenyl               14.33  172  3244145   140.44 ng     -0.02
 77) Terphenyl-d14                  24.72  244  4130841   143.17 ng      0.02

Target Compounds                                                    Qvalue
  7) 2-Chlorophenol                  7.62  128  2657610   316.27 ng        94
  9) Phenol                          7.71   94  3661361   326.64 ng        79
 13) 1,4-Dichlorobenzene             7.97  146  1442329   139.67 ng        96
 20) n-Nitroso-di-n-propylamine      9.33   70  1203981   184.69 ng        98
 31) 1,2,4-Trichlorobenzene         11.15  180  1349772   142.89 ng        97
 37) 4-Chloro-3-methylphenol        13.23  107  3433923   360.59 ng   #    10
 51) Acenaphthene                   16.16  154  2687365   153.39 ng        99
 55) 4-Nitrophenol                  17.14  139  1653683m] 299.37 ng
 56) 2,4-Dinitrotoluene             16.98  165  1301497   132.15 ng        93
 68) Pentachlorophenol              19.94  266  1849033 8/30/00 272.22 ng  98
 76) Pyrene                         24.10  202  6042097   154.95 ng        96

                                                                 8/23/00

-----------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2314.D  BK0815C.M      Wed Aug 23 09:25:04 2000      RPT1             Page 1
```

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082200\K2314.D            Vial: 4
Acq On    : 22 Aug 2000   5:19 pm                    Operator: SJT
Sample    : BLK SPK1 - QB264                         Inst    : BNARTE
Misc      :                                          Multiplr: 1.00
Quant Time: Aug 23  9:24 2000          Quant Results File: temp.res
Integration Params: [illegible].p

Method         : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title          : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update    : Mon Jul 17 17:42:02 2000
Response via   : Multiple Level Calibration
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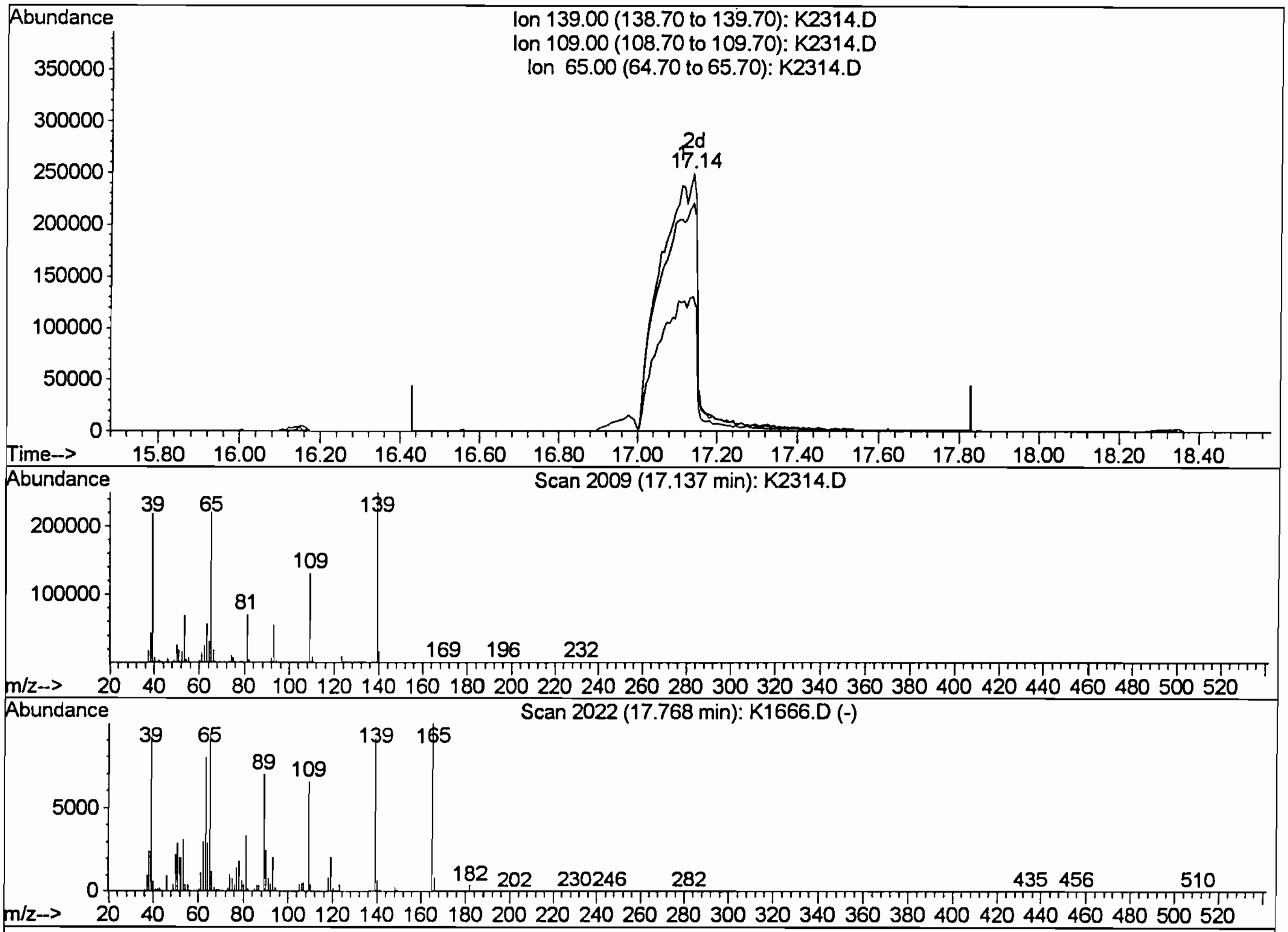


TIC: K2314.D

(55) 4-Nitrophenol (P)

17.14min 299.37ng m

response 1653683

Ion	Exp%	Act%
139.00	100	100
109.00	58.30	52.46
65.00	88.00	88.53
0.00	0.00	0.00

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

O32862MS

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32862MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2328.D

Level: (low/med) LOW Date Received:

% Moisture: 14 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
95-50-1	1,2-Dichlorobenzene	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	2300	
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
621-64-7	n-Nitroso-di-n-propylamine	2900	
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-82-1	1,2,4-Trichlorobenzene	2500	
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	2700	
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	2300	
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	390	U
86-30-6	n-Nitrosodiphenylamine	390	U
122-66-7	Azobenzene	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

O32862MS

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL

Lab Sample ID: O32862MS

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: K2328.D

Level: (low/med) LOW

Date Received:

% Moisture: 14 decanted: (Y/N): N

Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

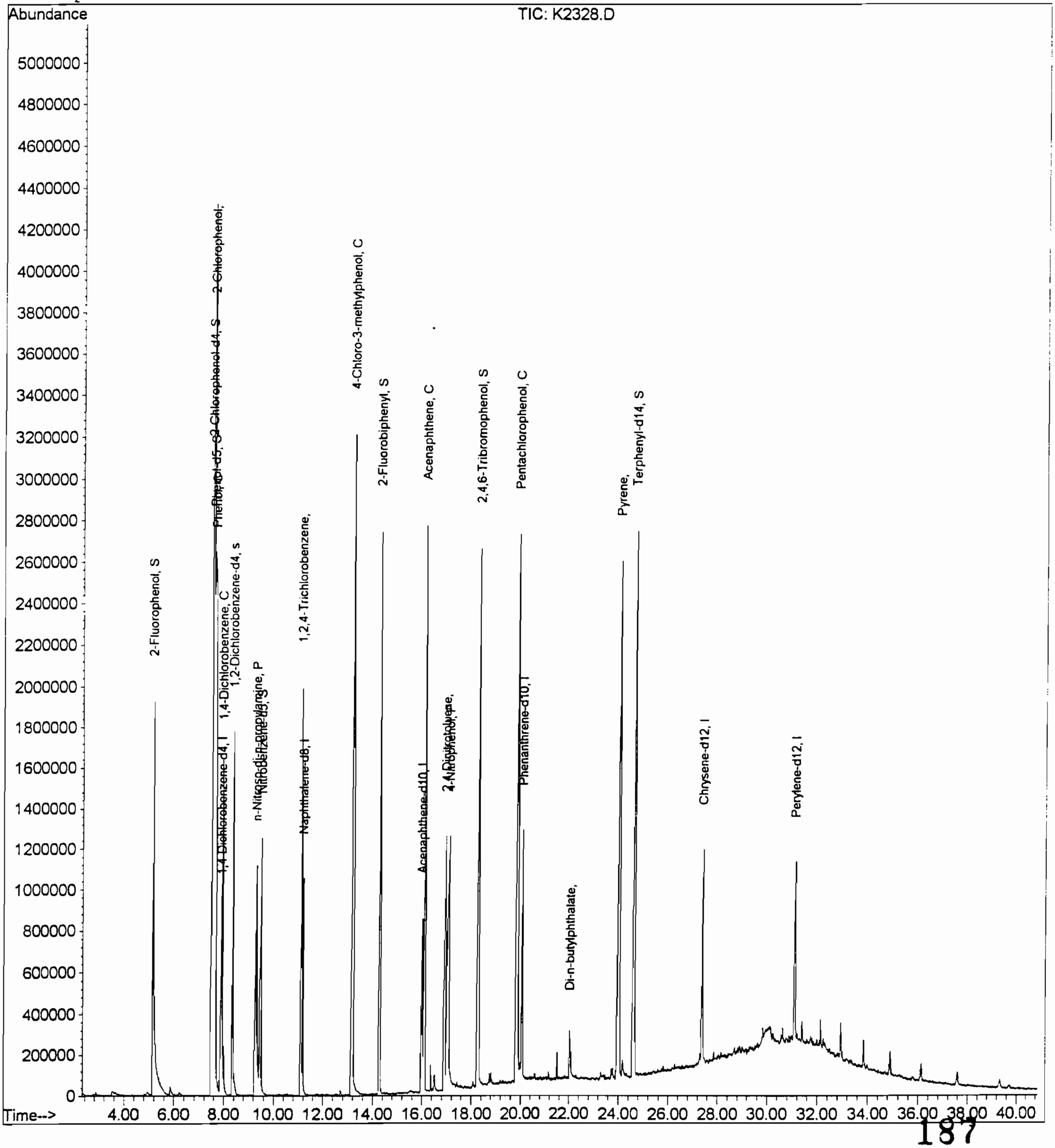
Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	47	J
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	2800	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	Bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082300\K2328.D　　Vial: 3
Acq On : 23 Aug 2000 1:18 pm　　Operator: SJT
Sample : L9858ASP-32862MS-QB264　　Inst : BNARTE
Misc :　　Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:08 2000　　Quant Results File: BK0815C.RES

Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 24 09:52:43 2000
Response via : Initial Calibration



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                           Quantitation Report      (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2328.D              Vial: 3
  Acq On    : 23 Aug 2000   1:18 pm                      Operator: SJT
  Sample    : L9858ASP-32862MS-QB264                     Inst    : BNARTE
  Misc      :                                            Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:08 2000                  Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


 Internal Standards                     R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------
  1) 1,4-Dichlorobenzene-d4             7.89  152    251899    40.00 ng     0.01
 22) Naphthalene-d8                    11.18  136    979190    40.00 ng    -0.03
 39) Acenaphthene-d10                  15.99  164    655798    40.00 ng    -0.06
 62) Phenanthrene-d10                  20.07  188   1178595    40.00 ng    -0.06
 74) Chrysene-d12                      27.41  240   1303877    40.00 ng    -0.18
 85) Perylene-d12                      31.12  264   1221535    40.00 ng    -0.19

System Monitoring Compounds
  4) 2-Fluorophenol                     5.15  112   2195458   267.66 ng     0.00
  6) Phenol-d5                          7.61   99   2989885   267.20 ng     0.10
 11) 2-Chlorophenol-d4                  7.51  132   2203219   244.02 ng     0.02
 14) 1,2-Dichlorobenzene-d4             8.35  152    768414   139.47 ng     0.01
 24) Nitrobenzene-d5                    9.49   82   1266856   145.60 ng     0.01
 41) 2,4,6-Tribromophenol              18.30  330   1545200   260.51 ng    -0.06
 44) 2-Fluorobiphenyl                  14.29  172   2906059   131.45 ng    -0.03
 77) Terphenyl-d14                     24.67  244   3979437   139.73 ng    -0.06

Target Compounds                                                        Qvalue
  7) 2-Chlorophenol                     7.56  128   2410673   278.26 ng       94
  9) Phenol                             7.66   94   3034877   262.60 ng       74
 13) 1,4-Dichlorobenzene                7.93  146   1259782   118.32 ng       96
 20) n-Nitroso-di-n-propylamine         9.29   70    988626   147.10 ng      100
 31) 1,2,4-Trichlorobenzene            11.11  180   1170896   127.35 ng       98
 37) 4-Chloro-3-methylphenol           13.21  107   2802140   302.31 ng  #    10
 51) Acenaphthene                      16.11  154   2350576   140.19 ng       96
 55) 4-Nitrophenol                     17.10  139   1339647   253.40 ng       97
 56) 2,4-Dinitrotoluene                16.94  165   1107668   117.52 ng       94
 68) Pentachlorophenol                 19.89  266   1836011m  312.68 ng
 72) Di-n-butylphthalate               22.05  149     93863@    2.42 ng  #    94
 76) Pyrene                            24.05  202   5589175   145.21 ng       96
```

8/24/00

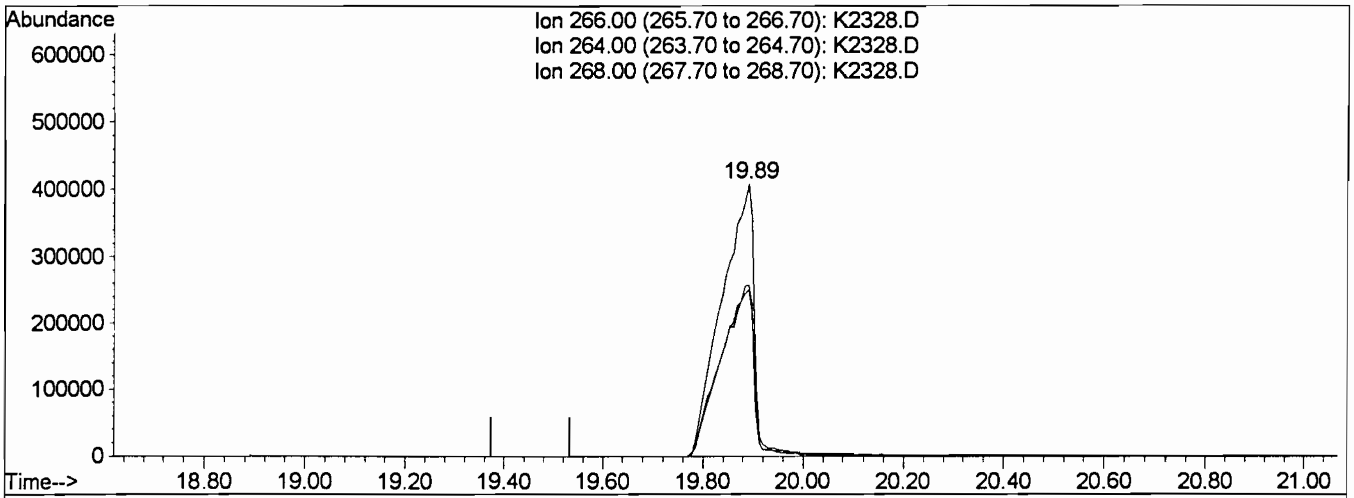
8/24/00

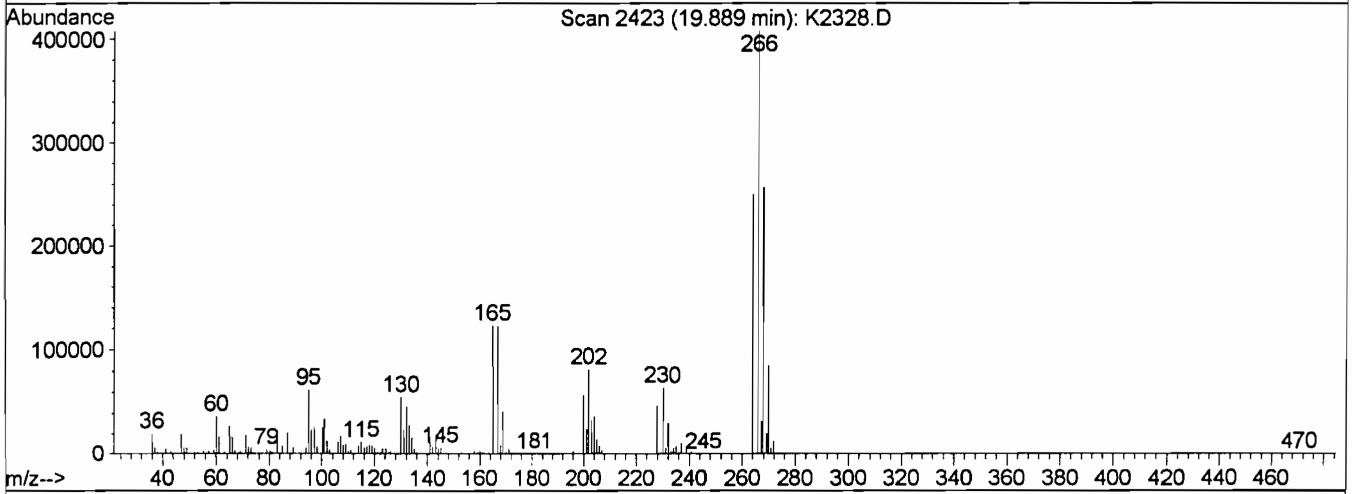
```
-----------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
K2328.D  BK0815C.M      Thu Aug 24 10:09:24 2000      RPT1              Page 1
```

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2328.D          Vial: 3
Acq On    : 23 Aug 2000   1:18 pm                 Operator: SJT
Sample    : L9858ASP-32862MS-QB264                Inst    : BNARTE
Misc      :                                       Multiplr: 1.00
Quant Time: Aug 24 10:08 2000
IntegrationParams: rteint.p             Quant Results File: temp.res

Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Wed Aug 30 10:20:23 2000
Response via    : Multiple Level Calibration
```





TIC: K2328.D

(68) Pentachlorophenol (C)

19.89min 312.68ng m

response 1836011

Ion	Exp%	Act%
266.00	100	100
264.00	65.40	61.40
268.00	65.70	62.91
0.00	0.00	0.00

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

O32862MSD

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32862SD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2329.D

Level: (low/med) LOW Date Received:

% Moisture: 14 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
95-50-1	1,2-Dichlorobenzene	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	2200	
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
621-64-7	n-Nitroso-di-n-propylamine	2700	
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-82-1	1,2,4-Trichlorobenzene	2400	
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	2600	
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	2100	
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	390	U
86-30-6	n-Nitrosodiphenylamine	390	U
122-66-7	Azobenzene	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

O32862MSD

Lab Name: CHEMTECH Contract: GCI, INC.

Project No.: L9851ASP Site: 29 NEW YO Location: NEW CASSEL Group: DW-1 INVE

Matrix: (soil/water) SOIL Lab Sample ID: O32862SD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K2329.D

Level: (low/med) LOW Date Received:

% Moisture: 14 decanted: (Y/N): N Date Extracted: 8/21/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

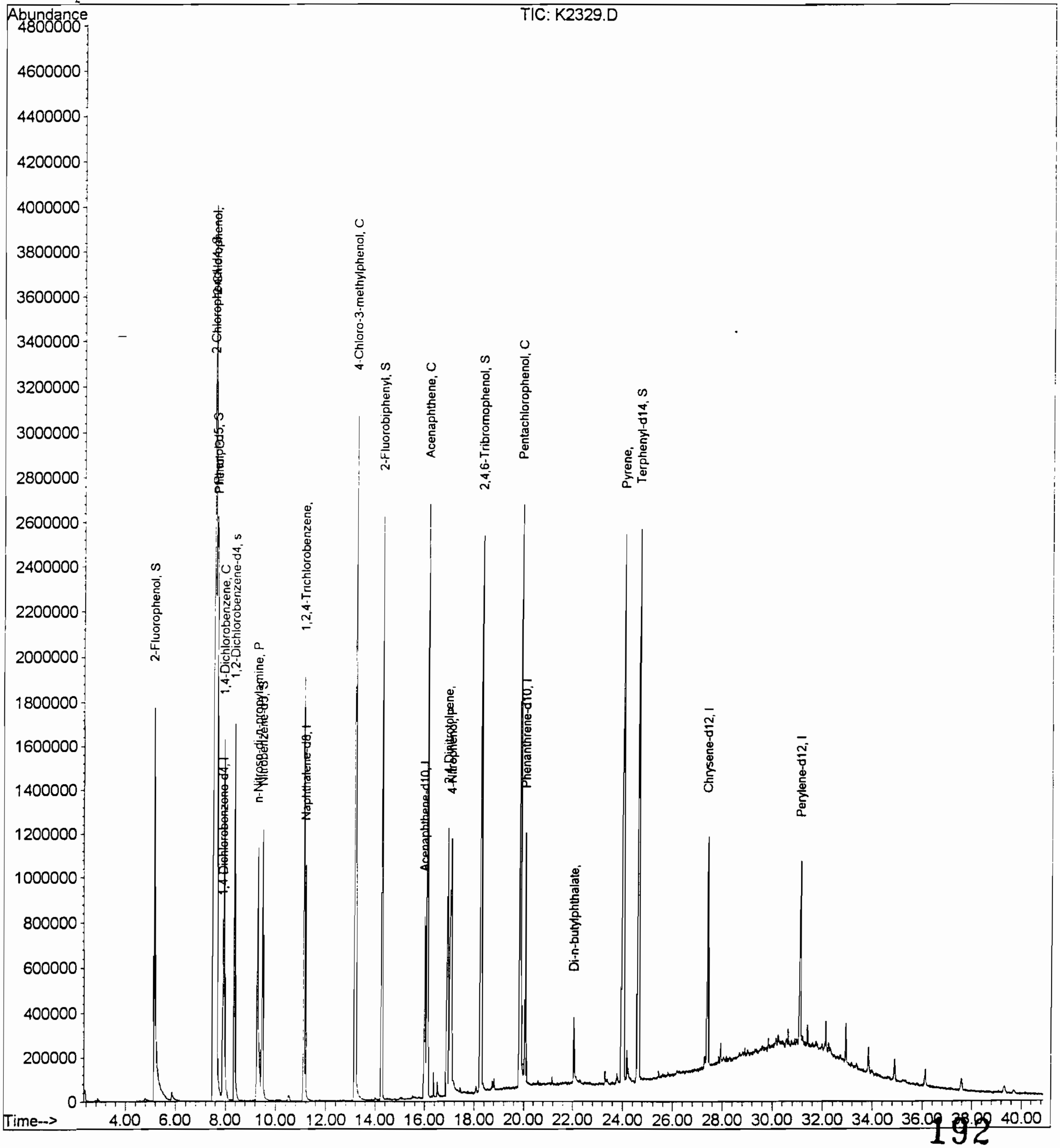
Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	57	J
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	2700	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	Bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

Quantitation Report

```
Data File : H:\HPCHEM\1\DATA\BK082300\K2329.D                Vial: 4
Acq On    : 23 Aug 2000   2:08 pm                        Operator: SJT
Sample    : L9858ASP-32862MSD-QB264                      Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:12 2000                 Quant Results File: BK0815C.RES

Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Thu Aug 24 09:52:43 2000
Response via    : Initial Calibration
```



192

```
                    Quantitation Report     (QT Reviewed)

  Data File : H:\HPCHEM\1\DATA\BK082300\K2329.D               Vial: 4
  Acq On    : 23 Aug 2000   2:08 pm                       Operator: SJT
  Sample    : L9858ASP-32862MSD-QB264                     Inst    : BNARTE
  Misc      :                                             Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Aug 24 10:12 2000                 Quant Results File: BK0815C.RES

  Quant Method : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
  Title        : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
  Last Update  : Thu Aug 24 09:52:43 2000
  Response via : Initial Calibration
  DataAcq Meth : B1_BNA


Internal Standards                   R.T.  QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------

  1) 1,4-Dichlorobenzene-d4          7.88   152    255431    40.00 ng      0.01
 22) Naphthalene-d8                 11.18   136    959202    40.00 ng     -0.04
 39) Acenaphthene-d10               15.98   164    631627    40.00 ng     -0.07
 62) Phenanthrene-d10               20.07   188   1146208    40.00 ng     -0.06
 74) Chrysene-d12                   27.41   240   1291232    40.00 ng     -0.18
 85) Perylene-d12                   31.12   264   1162317    40.00 ng     -0.19

System Monitoring Compounds
  4) 2-Fluorophenol                  5.16   112   1833094   220.40 ng      0.00
  6) Phenol-d5                       7.61    99   2871010   253.02 ng      0.11
 11) 2-Chlorophenol-d4               7.52   132   1998861   218.32 ng      0.03
 14) 1,2-Dichlorobenzene-d4          8.35   152    746497   133.62 ng      0.00
 24) Nitrobenzene-d5                 9.48    82   1206958   141.61 ng      0.00
 41) 2,4,6-Tribromophenol           18.30   330   1457876   255.19 ng     -0.06
 44) 2-Fluorobiphenyl               14.28   172   2695398   126.58 ng     -0.04
 77) Terphenyl-d14                  24.67   244   3838385   136.10 ng     -0.07

Target Compounds                                                       Qvalue
  7) 2-Chlorophenol                  7.56   128   2219607   252.66 ng        90
  9) Phenol                          7.66    94   2905533   247.94 ng        74
 13) 1,4-Dichlorobenzene             7.93   146   1200697   111.21 ng        96
 20) n-Nitroso-di-n-propylamine      9.29    70    937649   137.58 ng        92
 31) 1,2,4-Trichlorobenzene         11.11   180   1122938   124.68 ng        99
 37) 4-Chloro-3-methylphenol        13.20   107   2611377   287.60 ng  #     12
 51) Acenaphthene                   16.11   154   2188592   135.52 ng        99
 55) 4-Nitrophenol                  17.08   139   1224442   240.47 ng        96
 56) 2,4-Dinitrotoluene             16.94   165   1003417   110.53 ng        96
 68) Pentachlorophenol              19.89   266   1686399m  295.31 ng
 72) Di-n-butylphthalate            22.05   149    110823     2.94 ng  #     99
 76) Pyrene                         24.05   202   5355260   140.50 ng        95
```

8/24/00

8/24/00

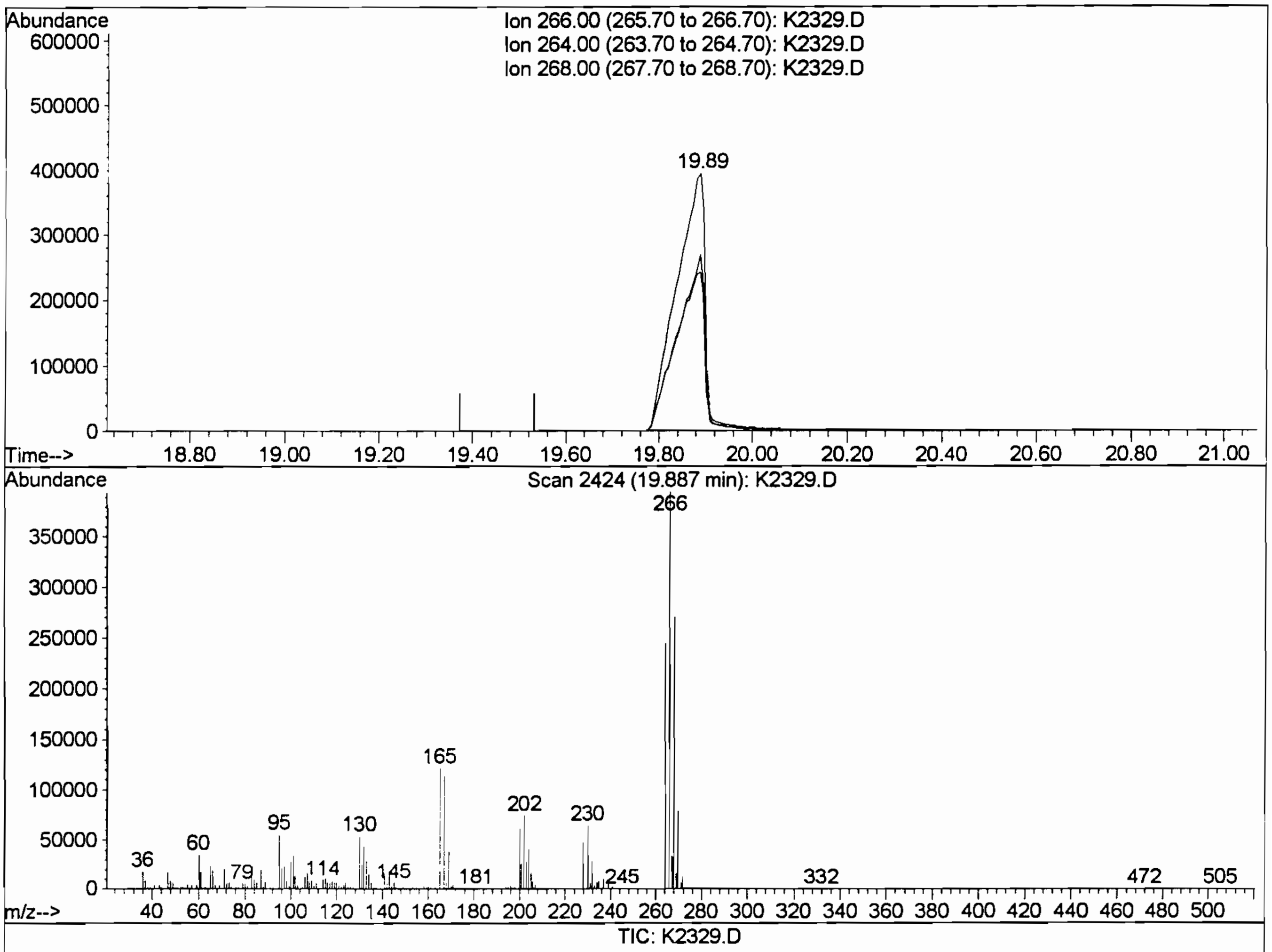
```
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

193

```
                                Quantitation Report

Data File : H:\HPCHEM\1\DATA\BK082300\K2329.D                Vial: 4
Acq On    : 23 Aug 2000   2:08 pm                        Operator: SJT
Sample    : L9858ASP-32862MSD-QB264                      Inst    : BNARTE
Misc      :                                              Multiplr: 1.00
Quant Time: Aug 24 8:12 2000            Quant Results File: temp.res
Integration Params: rteint.p

Method          : H:\HPCHEM\1\METHODS\BK0815C.M (RTE Integrator)
Title           : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update     : Wed Aug 30 10:20:23 2000
Response via    : Multiple Level Calibration
```



(68) Pentachlorophenol (C)

19.89min 295.31ng m

response 1686399

Ion	Exp%	Act%
266.00	100	100
264.00	65.40	61.57
268.00	65.70	68.24
0.00	0.00	0.00

CHEMTECH

205 CAMPUS PLAZA I, RARITAN CENTER EDISON NEW JERSEY 08837
NEW JERSEY LAB ID#: 12013 : NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: L9851 ASP MATRIX: Soil

METHOD: 8270

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications a. DFTPP Meet Criteria Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series			✓
4. GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series			✓
5. GC/MS Calibration Requirements a. Calibration Check Compounds for 8270 and CLP			✓
b. System Performance Check Compounds for 8270 and CLP			✓

8270 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds Base/Neutral Fraction	Acid Fraction
N-nitroso-di-n-propylamine	0.050	Acenaphthene	4-Chloro-3-methylphenol
Hexachlorocyclopentadiene	0.050	1,4-Dichlorobenzene	2,4-Dichlorophenol
2,4-Dinitrophenol	0.050	Hexachlorobutadiene	2-Nitrophenol
4-Nitrophenol	0.050	Diphenylamine	Phenol
		Di-n-octyl phthalate	Pentachlorophenol
		Fluoranthene	2,4,6-Trichlorophenol
		Benzo(a)pyrene	

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

	NA	NO	YES
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

a. B/N Fraction__________

b. Acid Fraction__________

	NA	NO	YES
7. Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

a. B/N Fraction __________

b. Acid Fraction __________

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

a. B/N Fraction __________

b. Acid Fraction __________

CHEMTECH 205 CAMPUS PLAZA I, RARITAN CENTER EDISON NEW JERSEY 08837
NEW JERSEY LAB ID#: 12013 : NEW YORK LAB ID#: 11376

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓	

Comments: See summary form 8

	NA	NO	YES
10. Extraction Holding Time Met			✓

If not met, list number of days exceeded for each sample:

	NA	NO	YES
11. Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Analyst

Date: 8-29-00

QA REVIEW: Mildred V. Reyes

Date: 9/1/00

CHEMTECH
SOP ID: CKLST-SEMI-VOA-REV
DOC. CONTROL #: CKLST-SEMI-VOA-REV -1.0

REVISION # 1.0
Page 1 of 2
Date: 04/28/00

PEER REVIEW CHECKLIST FOR GCMS SEMI-VOA DATA

Fraction: SVOA

Project #: L9851ASP

Sample Numbers: 32827, 32828

QA DATA:

ITEM	Completed
Check instrument log for samples in batch. Highlights.	✓
Make sure correct lab numbers are listed on all data.	✓
Check Chain of Custody and Login Sheet for project specific information.	✓
Check that all manual integrations are initialed and dated.	✓
TUNES:	
Check that the proper tune is included and that the appropriate lab #s are listed on the tune.	✓
Check that the tune meets the correct criteria.	✓
Check that all samples were run within 12 hours for 8270, 24 hours for 625.	✓
BLANKS:	
Check quant report for compounds called and quantitation.	✓
Check if any compounds need to be flagged with a J.	✓
Check that blank meets contamination criteria.	✓
Check blank nontargeted results for proper CAS #, retention time, compound name, mw, concentration against spectra.	NA
Check blank chromatograms to ensure that all peaks are accounted for.	✓
Check that all compounds not called are crossed off, initialed and dated on quantitation reports and tics.	NA
Check that spectra are included for all compounds called.	✓
CALIBRATION:	
Check that the proper initial and continuing calibration forms are included.	✓
Compare initial curves to continuing curve to make sure correct curves are included.	✓
Verify dates on curves.	✓
Verify that extra compound initial and continuing curves are included.	✓
Check that SPCCS and CCCS meet criteria on the initial and continuing calibrations.	✓
SURROGATES:	
Check that surrogate recoveries are reported on appropriate form (i.e. water, soil, sludge).	✓
Check that surrogate recoveries meet QC limits. Make sure values outside of limits are flagged and tallied.	✓
Check that appropriate action was taken for surrogate recoveries which did not meet QC criteria (samples are re-extracted and re-analyzed to prove matrix interference).	✓
Verify surrogates reported to the quantitation reports.	✓
SPIKES:	
Verify that the correct spike sample is being reported for that batch.	✓
Check that the spike recoveries are reported in the appropriate form (i.e. water, soil).	✓
Check that spike recoveries meet QC limits. Make sure values outside of limits are flagged and tallied.	✓
Verify spike recoveries to quantitation reports.	✓
If any values outside of QC limits exist on MS/MSD, was Blank Spike used.	✓

Non-conformances / Comments: Compound # 72 in rerun on sample # 32827 present at less than detection limit.

C…MTECH 205 Campus Plaza I, Edison, New Jersey 08837 (732) 225-4111

Extraction Logpage For: Semi-Volatile

Matrix: Soil Method #: 3550 Batch #: QB 264

Cleanup Method : ________ By: ________ Date : 8/21/2000

Setup by: MT Date : 8/21/2000

Concentraction by: ________ Date : __/__/____

QC	mL. Spike	Std. Ref. #: From logbook
Blank Spike	1.0	X099
Matrix Spike	↓	↓
Matrix Spike Duplicate	↓	↓
Surrogate	1.0	X105

Solvent/Chemical Used	Lot #:	Comment
Dichlro Methane	T 30251	
Aceton	N 32252	J.T. Baker
Hexane	N 47285	
Sodium Sulfate	N 40623	
Ether		

Daily QC

Sr. #:	Sample #:	Proj. #:	Wt. / Vol. (g. / mL.)	Date	pH	Final Vol. (mL)	Ver. Sur.	Ver. Spk.	Balance Check
1	BLK1	9851 ASP	30.00	8/21		1.0	MT		08/22/00
2	BLK SPK1	↓	↓	↓		↓	MT	MT	
3	BLK2								
4	BLK SPK2								
5	BLK3								
6	BLKSPK3								

Logbook Page No.: 0069

CHEMTECH 205 Campus Plaza I, Edison, New Jersey 08837 (732) 225 …11

Extraction Logpage For: Semi-Volatile

Batch #: QB 264

Reg Bna (Soil) 8270

#:	Sample #:	Proj. #:	Wt. / Vol. (g. / mL.)	Date	pH	Final Vol. (mL)	Ver. Sur.	Ver. Spk.	Received Initial /Date	Commen
	32827	9851 ASP	30.12	8/21		1.0	MT		08/22/00	Analy FOR 8270 STARS
	32828	↓	30.15	↓		↓	MT			
	32862	9858 ASP	30.15				MT			
	32863	↓	30.17				MT			
	32864		30.18				MT			
	32865		30.00				MT			
	32866	↓	30.04	↓			MT			
	32869	9862 NJ	30.14	8/21		↓	MT			
*	32862	9858 ASP	30.11	8/21		1.0	MT	MT	08/22/00	
**	32862	↓	30.08	↓		↓	MT	MT		

*BLK, BLK SPIKE Extracted per day of Extraction Batch

**Relinquished on the same date as Received.

Logbook Page No.: 0069

CHEMTECH 205 Campus Plaza I, Edison, New Jersey 08837 (732) 225-4111

Daily Analysis Runlog For GC/MS #: MSBNA5 K

Start Date: 08/28/02 End Date: 08/28/00 Analyst Himaly Review By:

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	~~NA~~ OEP232 HP 08/28/02	QC Check Std.	~~et~~ NA HP 08/28
CCC	OEP236	Initial Calibration Stds.	OEP225-OEP229
Internal Stds.	OES131		
		BK0815C.m	

HP 08/28/02

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	DFTPP	K2356		9:56	OK
2	CCC	K23 57			OK
3	L9855 ASP 32862	K23 58	8270	QB264	OK
4	L9857 ASP 32827	K23 59		QB264RE	OK confirm
5	L9856 ASP 32864	K23 60		QB264	Confirmation c
6	32866	K23 ~~63~~ 61		QB264	
7	L9835C 32775	K23 ~~64~~ 62		QB264 100X	Confirmation
8	32775	K23 63		QB261-10X	Confirmation
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

8/29/00

CHEMTECH 205 Campus Plaza I, Edison, New Jersey 08837 (732) 225-4111

Daily Analysis Runlog For GC/MS #: MSBNA5 K

Start Date: 8/23/00 End Date: 8/24/00 Analyst: Review By:

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP 232	QC Check Std.	— NA —
CCC	OEP 227	Initial Calibration Stds.	OEP225 → OEP239
Internal Stds.	OES ~~10~~ 131 8/24/00		
		BK0815C.M	

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Commen
1	50 ng DFTPP	K 2326.d			ok
2	80 ng BNA CCC	27			ok
3 8/24/00	L 9858 ASP ~~316~~ 32862 MS	28	8270	QB 264	ok
4	32862 MSD	29			ok
5	32862	30			RR bad In
6	L 9851 ASP 32828	31			ok
7	32827	32			RR ↓ IS
8	[illegible] 32864	33		↓	RR ↓ IS
9	L 9835 C 32775	34		QB 261	RR Dil x10
10	L 9858 ASP 32866	35		QB 264 8/24/00 ~~RE~~	RR ↓ IS ~~Confirmation R~~
11	L 9858 ASP 32863	36		QB 264 RE	Confirmation R
12	32865	37		RE	
13	L 9862 NJ 32889	38		RE	↓
14	L 9835 C 32775	39	↓	QB 261 RE	Not Require
15					
16					
17					
18					
19					
20					

8/24/00

CHEMTECH 205 Campus Plaza I, Edison, New Jersey 08837 (732) 225-4111

Daily Analysis Runlog For GC/MS #: MSBNA5 K

Start Date: 8/22/00 End Date: 8/22/00 Analyst Review By: Wus

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP 232	QC Check Std.	N/A
CCC	OEP 227	Initial Calibration Stds.	OEP 225 → OEP 229
Internal Stds.	OES 130		
.		BK 0815C. M	

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	50ng DFTPP	K 2311.d		3:14pm	ok
2	80ng BNA ccc	12			ok
3	BLK I	13	8270	QB 264	ok
4	BLK SPK 1	14	↓	↓	ok
5	L9841 NJ 32295	15		QB 261	ok
6	L9858 ASP 32863	16		QB 264/ K2336	RR ↓ IS
7	32865	17		↓ K2337	RR ↓ IS
8	L9862 NJ 32889	18		K2338	RR ↓ IS
9	L9529 NJ 32714	19		QB 258 RE	Confirmation K
10	32717	20		↓ X5	confirmation Ru
11	32715	21		X5	confirmation R
12	32712	22		X5	confirmation Ru
13	32713	23		X5	confirmation Run
14	32716	24		X2	confirmation Ru
15	32718	25	↓	↓ 2:17am X2	Confirmation Ru
16					
17					
18					
19					
20					

203

8/23/00

CHEMTECH 205 Campus Plaza I, Edison, New Jersey 08837 (732) 2 5-4 11

Daily Analysis Runlog For GC/MS #: MSBNA5 K

Start Date: 8/14/00 End Date: 8/14/00 Analyst Review By:

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP 232	QC Check Std.	← NA →
CCC	OEP 227	Initial Calibration Stds.	
Internal Stds.	OES 130		8/15/00

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comm
1	50 ng DFTPP	K2170d			ok
2	160 ng ICC	71		BK0815C.M	ok
3	120 ng ICC	72			ok
4	80 ng ICC	73			ok
5	50 ng ICC	74			ok
6	20 ng ICC	75			ok
7	160 ng ICC	76		BK0815CLP.M	ok
8	120 ng ICC	77			ok
9	80 ng ICC	78			ok
10	50 ng ICC	79			ok
11	20 ng ICC	80			ok
12					
13					
14					
15					
16					
17					
18					
19					
20					

8/14/00

SHIPPING AND RECEIVING DOCUMENTATION

CHEMTECH

CHAIN OF CUSTODY RECORD

Please check one:

☐ 110 Route 4
Englewood, NJ 07631
(201) 567-6868
Fax (201) 567-1333

☑ 205 Campus Plaza 1
Edison, NJ 08837
(732) 225-4111
Fax (732) 225-4110

☐ 515 Route 9 South
Barnegat, NJ 08005
(609) 698-0199
Fax (609) 698-0910

CHEMTECH JOB NO.: L9851A8r

CHEMTECH QUOTE NO.: 5401

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: GCI

ADDRESS: 1092 Motor Parkway

CITY: Hauppauge STATE: NY ZIP: 11788

ATTENTION: Matt Boeckel

PHONE: 631-851-1600 FAX: 631-851-0535

PROJECT INFORMATION

PROJECT NAME: 29 New York Avenue

PROJECT NO.: 970096

PROJECT MANAGER: Matt Boeckel

LOCATION: New Cassel

PHONE: 631-851-1600 FAX: 631-851-0535

BILLING INFORMATION

BILL TO: GCI PO #:

ADDRESS: 1092 Motor Parkway

CITY: ~~Patchogue~~ Hauppauge STATE: NY ZIP: 11788

ATTENTION: Matt Boeckel PHONE: 631-851-1600

DATA TURNAROUND INFORMATION

FAX: 14 DAYS *

HARD COPY: 21 DAYS *

EDD: DAYS *

* TO BE APPROVED BY CHEMTECH

** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY
☐ RESULTS + QC
☐ NJ REDUCED
☐ NJ CLP
☐ EDD FORMAT:

☐ USEPA CLP
☒ NYS ASP "B"
☐ NYS ASP "A"
☐ EDD

ANALYSIS

1. EPA 8260
2. EPA 8270-BN
3. TPH 418.1
4. 8 RCRA Metals
5.
6.
7.
8.
9.

CHEMTECH SAMPLE ID	SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1. 32827	DW-1 (INVERT)	S	X		8/17/00	4:00	3	X	X	X	X						
2. 32828	DW-1 (1' Below Invert)	S	X		8/17/00	4:00	3	X	X	X	X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	

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PRESERVATIVES

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1. Matt Boeckel	8/18/00 9:00am	1. 8/18/00 1110
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE/TIME: 8/18/00 1110	RECEIVED FOR LAB BY: 3. Sunny Patel

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non-Compliant ☐ Temp. of Cooler 4.0°C

Comments:

Page 1 of 1

Shipment Complete: Yes ____ No ____

Ver. 9-99

WHITE – CHEMTECH COPY FOR RETURN TO CLIENT YELLOW – CHEMTECH COPY PINK – SAMPLER COPY