INTERIM REMEDIAL MEASURE (IRM) REPORT

ADDENDUM NO. 1
END-POINT ANALYTICAL DATA PACKAGES

ALUMINUM LOUVRE CORPORATION
161 SWEET HOLLOW ROAD
OLD BETHPAGE, NEW YORK 11804

Prepared For:

Bank Leumi
420 Lexington Avenue, 10th Floor
New York, New York 10170

February 2001

Prepared by:

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

CHEMTECH

CASE NARRATIVE

GCI, INC
Project Name: 161 Sweethollow RD
Project # 960285
Chemtech Project # L2623ASP

A. Number of Samples and Date of Receipt
3 Soil Samples were delivered to the laboratory intact on 12/26/00.

B. Parameters
Tests requested were Semivolatile Organics & Metals. 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 MSBNA "S"6 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 except for DW-5MS and DW-5MSD. MS/MSD recoveries and RPDs met requirements. Blank Spike Recoveries met requirements. Holding Times were met. Tuning Checks met requirements. Internal Standard Areas and Retention Times were acceptable. 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: 1/9/01 Title: QA/QC

CHEMTECH

205 Campus Plaza 1 Raritan Center Edison, NJ 08837
Tel: 732-225-4111 Fax 732-225-4110

COVER PAGE

ProjectID: 161 Sweethollow RD.

Order L2623

CustomerName GCI Consultants

LAB SAMPLE NO.	CLIENT SAMPLE NO
L2623-01	DW-2
L2623-02	DW-3
L2623-03	DW-5

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: _____ Name: _____

Date: 1/9/01 Title: _____

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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.

CHEMTECH

SEMI-VOLATILE ORGANIC DATA

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CHEMTECH

SEMI-VOLATILE

QC DATA

00005

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RD Location: LB11247 Group: DW-2

Level: (low/med) LOW

	SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	#	#	#	#	#	TOT OUT
01	SBLK01	89	61	73						
02	BLKSPK-1	88	63	71						
03	DW-2	72	66	72						
04	DW-3	69	69	77						
05	DW-5MS	142 *	127 *	133						2
06	DW-5MSD	145 *	129 *	129						2
07	DW-5	69	65	74						
08										
09										
10										
11										
12										
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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

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEET Location: LB11373 Group: DW-2

Matrix Spike - Sample No.: DW-5 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	3100	79	(28-104)
n-Nitroso-di-n-propylamine	3900	0	3800	97	(41-126)
1,2,4-Trichlorobenzene	3900	0	3100	79	(38-107)
Acenaphthene	3900	0	3300	85	(31-137)
2,4-Dinitrotoluene	3900	0	3000	77	(28-89)
Pyrene	3900	0	2500	64	(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	3900	3100	79	0	27	(28-104)
n-Nitroso-di-n-propylamine	3900	3700	95	3	38	(41-126)
1,2,4-Trichlorobenzene	3900	3100	79	0	23	(38-107)
Acenaphthene	3900	3300	85	0	19	(31-137)
2,4-Dinitrotoluene	3900	3100	79	3	47	(28-89)
Pyrene	3900	2500	64	0	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: _____

_____

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEET Location: LB11373 Group: DW-2

Matrix Spike - Sample No.: DW-5 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	3100	79	(28-104)
n-Nitroso-di-n-propylamine	3900	0	3800	97	(41-126)
1,2,4-Trichlorobenzene	3900	0	3100	79	(38-107)
Acenaphthene	3900	0	3300	85	(31-137)
2,4-Dinitrotoluene	3900	0	3000	77	(28-89)
Pyrene	3900	0	2500	64	(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	3900	3100	79	0	27	(28-104)
n-Nitroso-di-n-propylamine	3900	3700	95	3	38	(41-126)
1,2,4-Trichlorobenzene	3900	3100	79	0	23	(38-107)
Acenaphthene	3900	3300	85	0	19	(31-137)
2,4-Dinitrotoluene	3900	3100	79	3	47	(28-89)
Pyrene	3900	2500	64	0	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: _____

_____

SEMIVOLATILE BLANK SPIKE RECOVERY SUMMARY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RD Location: Group:

Instrument ID: 5971-S Analysis Date: 12/29/00 Time: 1941

Lab File ID: BS122906.D

COMPOUND	SPK AMT	SPK REC	% REC	FLAG	LO LIM	HI LIM
1,4-Dichlorobenzene	3300	2554	77		28.0	104
n-Nitroso-di-n-propylamine	3300	3140	95		41.0	126
1,2,4-Trichlorobenzene	3300	2478	75		38.0	107
Acenaphthene	3300	2398	73		31.0	137
2,4-Dinitrotoluene	3300	2423	73		28.0	89
Pyrene	3300	2064	63		35.0	142

00003

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

SBLK01

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLL(Location: LB11247 Group: DW-2

Lab File ID: BS122905.D Lab Sample ID: SBLKS1

Instrument ID: 5971-S Date Extracted: 12/27/00

Matrix: (soil/water) SOIL Date Analyzed: 12/29/00

Level: (low/med) LOW Time Analyzed: 1853

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BLKSPK-1	BLKSPK-1	BS122906.D	12/29/00
02	DW-2	O01	BS010519.D	01/06/01
03	DW-3	O02	BS010526.D	01/06/01
04	DW-5MS	O03MS	BS010715.D	01/08/01
05	DW-5MSD	O03MSD	BS010716.D	01/08/01
06	DW-5	O03	BS010719.D	01/08/01
07				
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COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: _____ Group: DW-2

Lab File ID: BS120301.D DFTPP Injection Date: 12/3/00

Instrument ID: 5971-S DFTPP Injection Time: 1718

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.7
68	Less than 2.0% of mass 69	0.7 (1.2)1
69	Mass 69 relative abundance	60.2
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	40.6
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	6.6
275	10.0 - 30.0% of mass 198	17.1
365	Greater than 1.00% of mass 198	1.8
441	Present, but less than mass 443	1.3
442	Greater than 40.0% of mass 198	70.5
443	17.0 - 23.0% of mass 442	13.4 (19.0)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	BS120302.D	12/3/00	1745
02	SSTD050	SSTD050	BS120303.D	12/3/00	1833
03	SSTD120	SSTD120	BS120304.D	12/3/00	1920
04	SSTD160	SSTD160	BS120305.D	12/3/00	2007
05	SSTD020	SSTD020	BS120306.D	12/3/00	2053
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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Lab File ID: BS010201.D DFTPP Injection Date: 1/2/01

Instrument ID: 5971-S DFTPP Injection Time: 1300

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	55.0
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	40.7
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	6.6
275	10.0 - 30.0% of mass 198	16.6
365	Greater than 1.00% of mass 198	1.7
441	Present, but less than mass 443	8.2
442	Greater than 40.0% of mass 198	51.6
443	17.0 - 23.0% of mass 442	10.9 (21.0)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	BS010202.D	1/2/01	1332
02	SSTD020	SSTD020	BS010203.D	1/2/01	1425
03	SSTD050	SSTD050	BS010204.D	1/2/01	1517
04	SSTD120	SSTD120	BS010205.D	1/2/01	1611
05	SSTD160	SSTD160	BS010206.D	1/2/01	1705
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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: DW Group: DW-2

Lab File ID: BS122901.D DFTPP Injection Date: 12/29/00

Instrument ID: 5971-S DFTPP Injection Time: 1600

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	40.1
197	Less than 1.0% of mass 198	0.9
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	16.5
365	Greater than 1.00% of mass 198	1.7
441	Present, but less than mass 443	6.9
442	Greater than 40.0% of mass 198	48.1
443	17.0 - 23.0% of mass 442	8.9 (18.6)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	SSTD0802	BS122902.D	12/29/00	1628
02	SBLK01	SBLKS1	BS122905.D	12/29/00	1853
03	BLKSPK-1	BLKSPK-1	BS122906.D	12/29/00	1941
04					
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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: DW Group: DW-2

Lab File ID: BS010514.D DFTPP Injection Date: 1/5/01

Instrument ID: 5971-S DFTPP Injection Time: 2229

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.6 (1.1)1
69	Mass 69 relative abundance	50.5
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	44.8
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	6.7
275	10.0 - 30.0% of mass 198	16.8
365	Greater than 1.00% of mass 198	1.2
441	Present, but less than mass 443	5.7
442	Greater than 40.0% of mass 198	41.1
443	17.0 - 23.0% of mass 442	8.3 (20.1)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	SSTD0802	BS010515.D	1/5/01	2256
02	DW-2	O01	BS010519.D	1/6/01	0209
03	DW-3	O02	BS010526.D	1/6/01	0744
04					
05					
06					
07					
08					
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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Lab File ID: BS010701.D DFTPP Injection Date: 1/7/01

Instrument ID: 5971-S DFTPP Injection Time: 2145

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.6
68	Less than 2.0% of mass 69	0.5 (1.0)1
69	Mass 69 relative abundance	56.7
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	47.6
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	19.8
365	Greater than 1.00% of mass 198	2.2
441	Present, but less than mass 443	2.4
442	Greater than 40.0% of mass 198	64.6
443	17.0 - 23.0% of mass 442	13.1 (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	SSTD080	SSTD0803	BS010702.D	1/7/01	2211
02	DW-5MS	O03MS	BS010715.D	1/8/01	0831
03	DW-5MSD	O03MSD	BS010716.D	1/8/01	0919
04					
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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Lab File ID: BS010717.D DFTPP Injection Date: 1/8/01

Instrument ID: 5971-S DFTPP Injection Time: 1001

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.7 (1.1)1
69	Mass 69 relative abundance	60.7
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	49.5
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	7.1
275	10.0 - 30.0% of mass 198	19.1
365	Greater than 1.00% of mass 198	1.6
441	Present, but less than mass 443	7.0
442	Greater than 40.0% of mass 198	51.9
443	17.0 - 23.0% of mass 442	10.1 (19.4)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	SSTD0804	BS010718.D	1/8/01	1029
02	DW-5	O03	BS010719.D	1/8/01	1118
03					
04					
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW LOWER Location: Group: DW-2

Lab File ID (Standard): BS122902.D Date Analyzed: 12/29/00

Instrument ID: 5971-S Time Analyzed: 1628

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	1102280		9.16		4463215		11.87		2802960		15.67	
	UPPER LIMIT	2204560		9.66		8926430		12.37		5605920		16.17	
	LOWER LIMIT	551140		8.66		2231608		11.37		1401480		15.17	
	SAMPLE NO.												
01	SBLK01	806162		9.16		3061597		11.86		2014550		15.68	
02	BLKSPK-1	821873		9.16		3242572		11.88		2205580		15.67	
03													
04													
05													
06													
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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 CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: LOWER Group: DW-2

Lab File ID (Standard): BS122902.D Date Analyzed: 12/29/00

Instrument ID: 5971-S Time Analyzed: 1628

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	5240311		18.88		4293398		24.65		3515440		27.86	
	UPPER LIMIT	10480622		19.38		8586796		25.15		7030880		28.36	
	LOWER LIMIT	2620156		18.38		2146699		24.15		1757720		27.36	
	SAMPLE NO.												
01	SBLK01	3629968		18.88		3326273		24.61		2721566		27.84	
02	BLKSPK-1	3804154		18.87		3542664		24.61		2879326		27.84	
03													
04													
05													
06													
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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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: LOWER Group: DW-2

Lab File ID (Standard): BS010515.D Date Analyzed: 1/5/01

Instrument ID: 5971-S Time Analyzed: 2256

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	783385	9.09	3152515	11.81	1900766	15.61
	UPPER LIMIT	1566770	9.59	6305030	12.31	3801532	16.11
	LOWER LIMIT	391693	8.59	1576258	11.31	950383	15.11
	SAMPLE NO.						
01	DW-2	866042	9.09	3335671	11.81	2065245	15.61
02	DW-3	782363	9.09	3151758	11.81	1918677	15.61
03							
04							
05							
06							
07							
08							
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11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

Column used to flag 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 CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Lab File ID (Standard): BS010515.D Date Analyzed: 1/5/01

Instrument ID: 5971-S Time Analyzed: 2256

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	3223973		18.81		3021594		24.56		2620626		27.75	
	UPPER LIMIT	6447946		19.31		6043188		25.06		5241252		28.25	
	LOWER LIMIT	1611987		18.31		1510797		24.06		1310313		27.25	
	SAMPLE NO.												
01	DW-2	3422592		18.82		3094164		24.55		2525720		27.74	
02	DW-3	3221741		18.80		2804796		24.55		2132011		27.74	
03													
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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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: LOWER Group: DW-2

Lab File ID (Standard): BS010702.D Date Analyzed: 1/7/01

Instrument ID: 5971-S Time Analyzed: 2211

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	666533		9.06		2737072		11.79		1553174		15.58	
	UPPER LIMIT	1333066		9.56		5474144		12.29		3106348		16.08	
	LOWER LIMIT	333267		8.56		1368536		11.29		776587		15.08	
	SAMPLE NO.												
01	DW-5MS	785005		9.07		2976167		11.78		1696557		15.57	
02	DW-5MSD	817087		9.07		3090809		11.78		1807635		15.57	
03													
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22													

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

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

Column used to flag 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 CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: LOWER Group: DW-2

Lab File ID (Standard): BS010702.D Date Analyzed: 1/7/01

Instrument ID: 5971-S Time Analyzed: 2211

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2487088		18.77		2384399		24.52		2184958		27.67	
	UPPER LIMIT	4974176		19.27		4768798		25.02		4369916		28.17	
	LOWER LIMIT	1243544		18.27		1192200		24.02		1092479		27.17	
	SAMPLE NO.												
01	DW-5MS	2793907		18.78		2641551		24.50		2155578		27.67	
02	DW-5MSD	3011625		18.78		2820176		24.51		2293048		27.67	
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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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: LOWER Group: DW-2

Lab File ID (Standard): BS010718.D Date Analyzed: 1/8/01

Instrument ID: 5971-S Time Analyzed: 1029

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	797985	9.06	3172809	11.78	1801945	15.58
	UPPER LIMIT	1595970	9.56	6345618	12.28	3603890	16.08
	LOWER LIMIT	398993	8.56	1586405	11.28	900973	15.08
	SAMPLE NO.						
01	DW-5	790636	9.06	3240801	11.79	1822757	15.57
02							
03							
04							
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22							

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

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

Column used to flag 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 CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Lab File ID (Standard): BS010718.D Date Analyzed: 1/8/01

Instrument ID: 5971-S Time Analyzed: 1029

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2968888		18.78		2707003		24.51		2552674		27.68	
	UPPER LIMIT	5937776		19.28		5414006		25.01		5105348		28.18	
	LOWER LIMIT	1484444		18.28		1353502		24.01		1276337		27.18	
	SAMPLE NO.												
01	DW-5	2977509		18.77		2769684		24.51		2274936		27.67	
02													
03													
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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.

CHEMTECH

SEMI-VOLATILE

SAMPLE DATA

00024

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-2

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11365 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010519.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/6/01

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	380	U
95-50-1	1,2-Dichlorobenzene	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
621-64-7	n-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	380	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
85-01-8	Phenanthrene	40	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-2

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11365 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010519.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/6/01

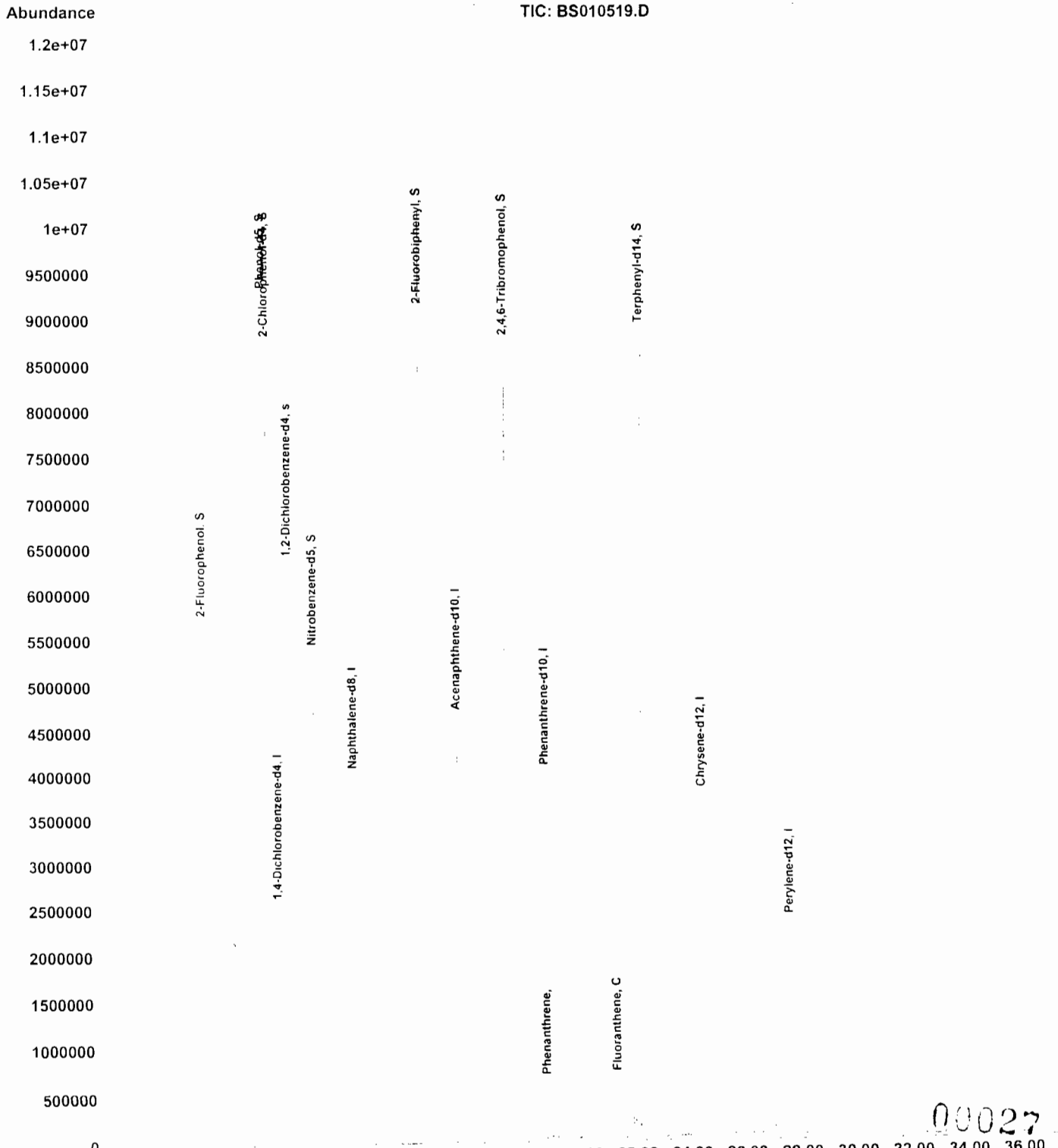
Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	66	J
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	Bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

Data File : C:\HPCHEM\1\DATA\BS010501\BS010519.D Vial: 11
Acq On : 6 Jan 2001 2:09 Operator: SJT
Sample : L2623-01-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 16:25 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Multiple Level Calibration



00027

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010501\BS010519.D Vial: 11
Acq On : 6 Jan 2001 2:09 Operator: SJT
Sample : L2623-01-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 16:25 2001 Quant Results File: BS0102C.RES

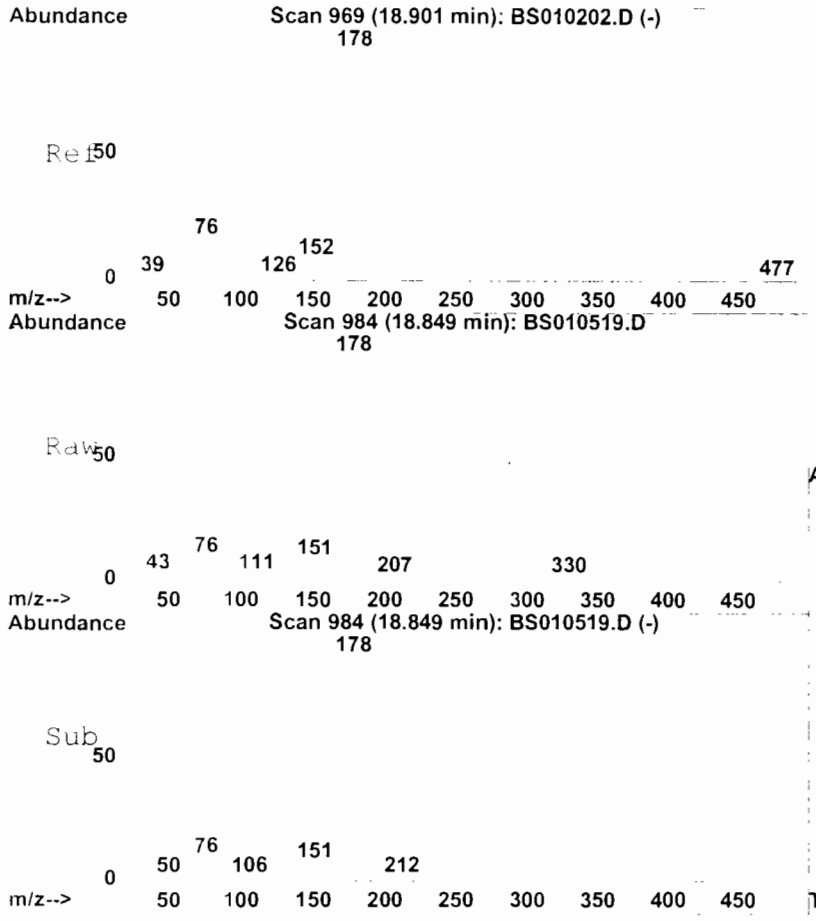
Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.09	152	866042	40.00 ng	-0.02
22) Naphthalene-d8	11.81	136	3335671	40.00 ng	-0.02
39) Acenaphthene-d10	15.61	164	2065245	40.00 ng	-0.03
62) Phenanthrene-d10	18.82	188	3422592	40.00 ng	-0.02
74) Chrysene-d12	24.55	240	3094164	40.00 ng	-0.06
85) Perylene-d12	27.74	264	2525720	40.00 ng	-0.05
System Monitoring Compounds					
4) 2-Fluorophenol	6.35	112	6634080	297.50 ng	0.00
6) Phenol-d5	8.53	99	9557888	286.57 ng	0.01
11) 2-Chlorophenol-d4	8.64	132	7093373	280.65 ng	0.00
14) 1,2-Dichlorobenzene-d4	9.43	152	2288389	156.17 ng	0.00
24) Nitrobenzene-d5	10.34	82	3790321	143.18 ng	-0.02
41) 2,4,6-Tribromophenol	17.35	330	3002540	285.95 ng	-0.01
44) 2-Fluorobiphenyl	14.21	172	7119942	132.14 ng	0.00
57) Terphenyl-d14	22.32	244	7814057	144.88 ng	-0.02
Target Compounds					Qvalue
69) Phenanthrene	18.85	178	136937	2.13 ng	96
73) Fluoranthene	21.44	202	259923	3.48 ng	80

Thursday
01/06/01

00023

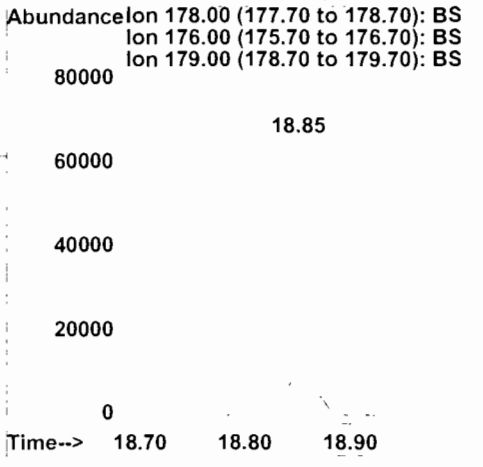
(#) = qualifier out of range (m) = manual integration

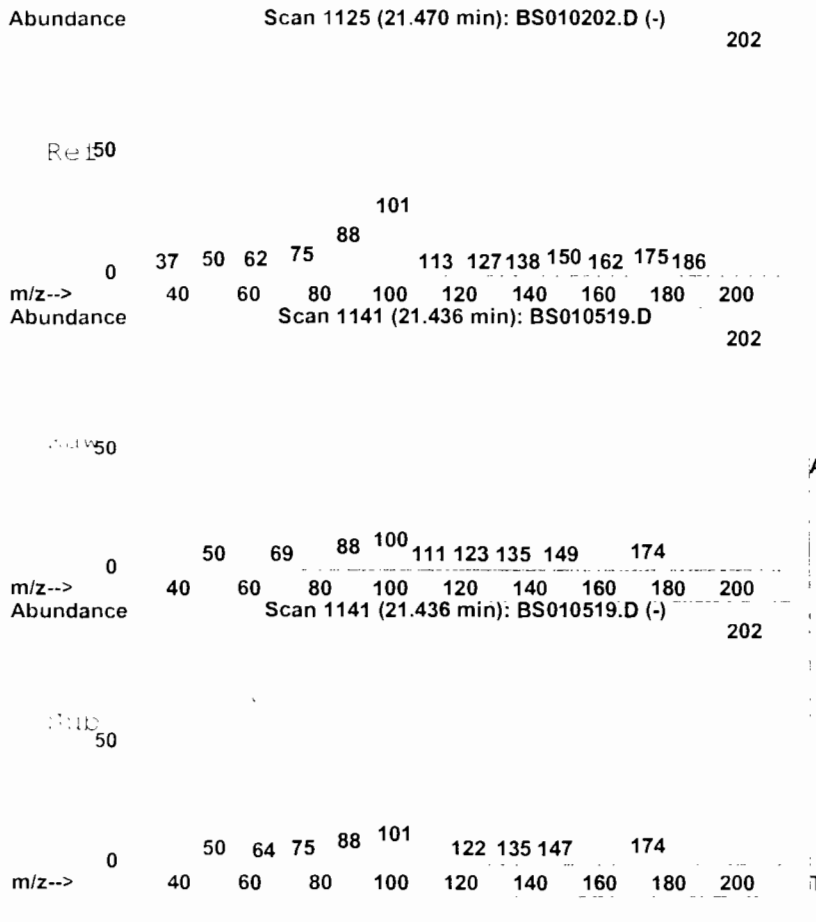


#69
Phenanthrene
Concen: 2.13 ng
RT: 18.85 min Scan# 984
Delta R.T. -0.05 min
Lab File: BS010519.D
Acq: 6 Jan 2001 2:09

Tgt Ion:178 Resp: 136937

Ion	Ratio	Lower	Upper
178	100		
176	15.5	14.4	21.6
179	15.6	11.8	17.8
0	0.0	0.0	0.0

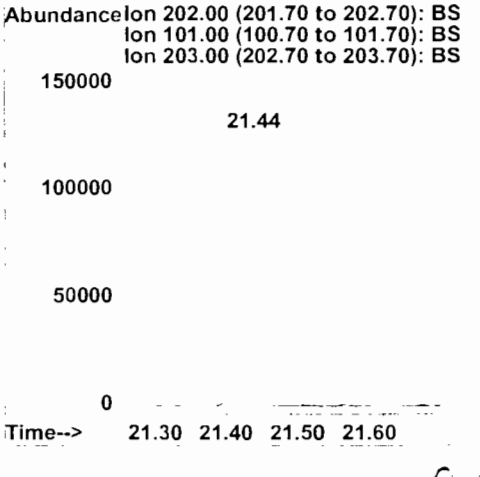




#73
Fluoranthene
Concen: 3.48 ng
RT: 21.44 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BS010519.D
Acq: 6 Jan 2001 2:09

Tgt Ion:202 Resp: 259923

Ion	Ratio	Lower	Upper
202	100		
101	7.5	3.4	43.4
203	16.2	0.0	36.9
0	0.0	0.0	0.0



00029

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-3

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11365 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010526.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/6/01

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	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
621-64-7	n-Nitroso-di-n-propylamine	390	U
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	390	U
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	390	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
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
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
85-01-8	Phenanthrene	370	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-3

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11365 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010526.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/6/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

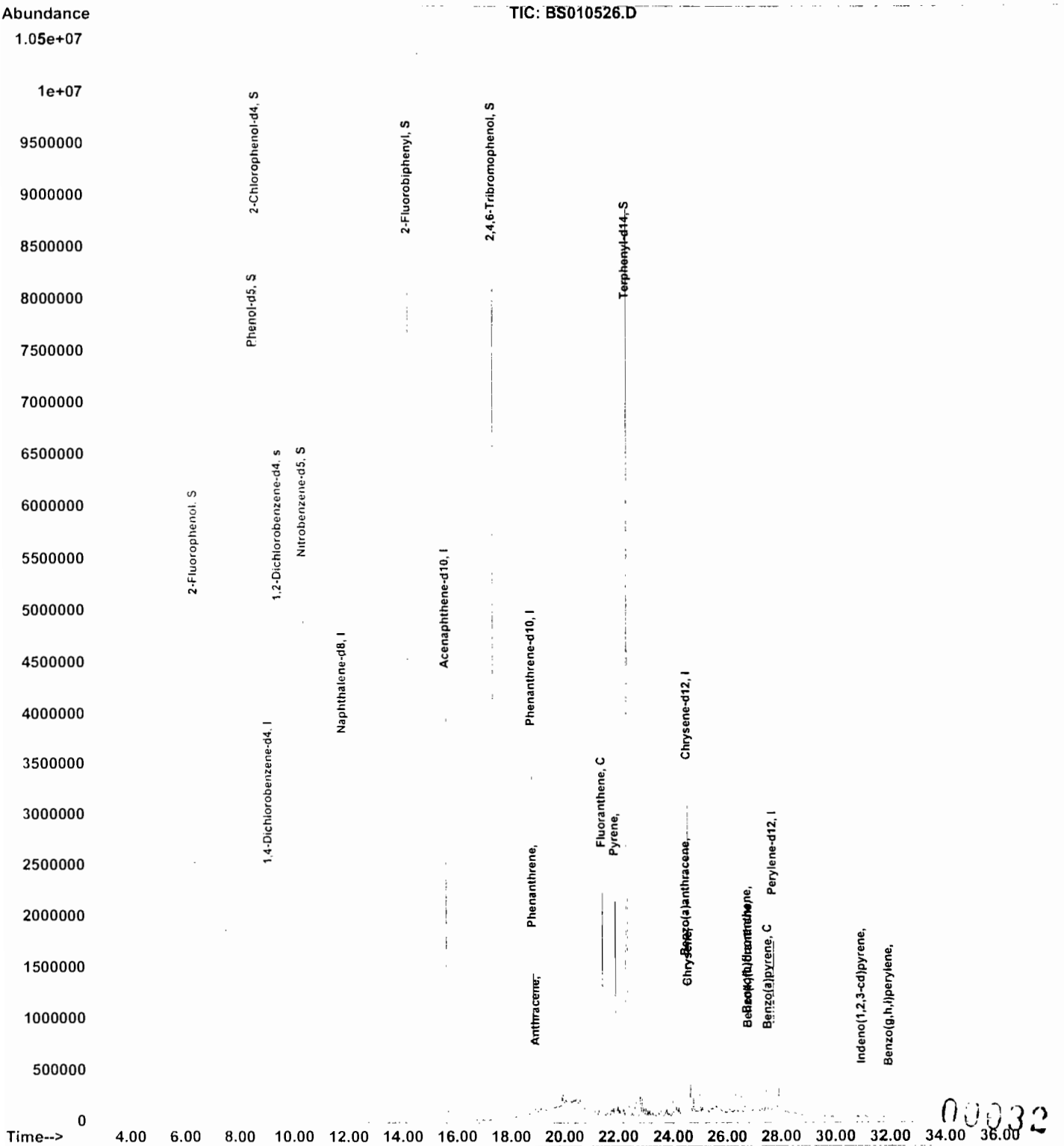
GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
120-12-7	Anthracene	74	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	580	
129-00-0	Pyrene	350	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	260	J
117-81-7	Bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	330	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	200	J
193-39-5	Indeno(1,2,3-cd)pyrene	59	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	86	J

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010501\BS010526.D Vial: 18
Acq On : 6 Jan 2001 7:44 Operator: SJT
Sample : L2623-02-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 16:33 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Multiple Level Calibration



00032

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010501\BS010526.D Vial: 18
Acq On : 6 Jan 2001 7:44 Operator: SJT
Sample : L2623-02-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 16:33 2001 Quant Results File: BS0102C.RES

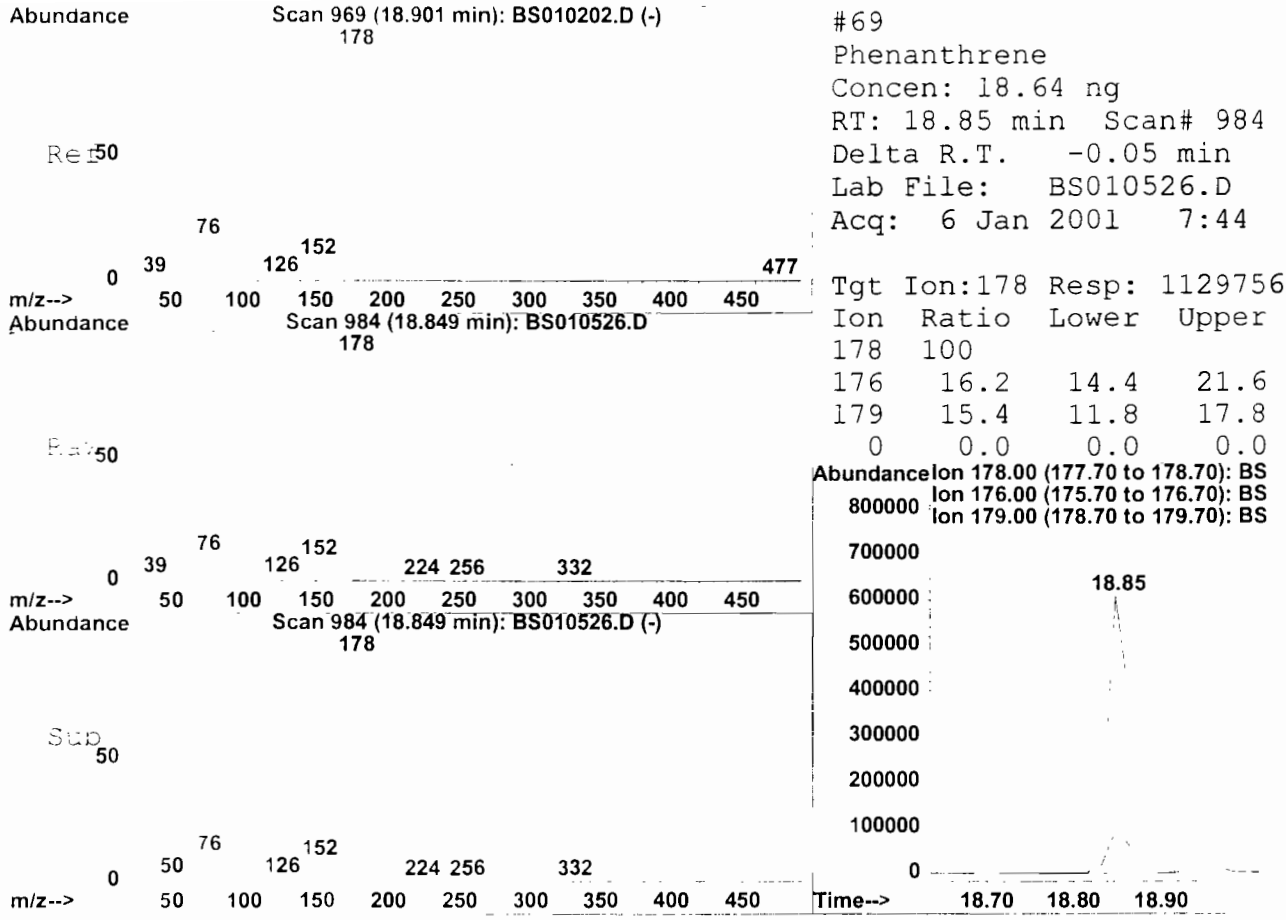
Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.09	152	782363	40.00	ng		-0.02
22) Naphthalene-d8	11.81	136	3151758	40.00	ng		-0.02
39) Acenaphthene-d10	15.61	164	1918677	40.00	ng		-0.03
62) Phenanthrene-d10	18.80	188	3221741	40.00	ng		-0.03
74) Chrysene-d12	24.55	240	2804796	40.00	ng		-0.05
85) Perylene-d12	27.74	264	2132011	40.00	ng		-0.05
System Monitoring Compounds							
4) 2-Fluorophenol	6.34	112	5842582	290.03	ng		-0.01
6) Phenol-d5	8.52	99	9096875	301.92	ng		0.00
11) 2-Chlorophenol-d4	8.64	132	6533867	286.16	ng		0.00
14) 1,2-Dichlorobenzene-d4	9.43	152	2024908	152.97	ng		0.00
24) Nitrobenzene-d5	10.34	82	3452142	138.01	ng		-0.02
41) 2,4,6-Tribromophenol	17.35	330	2713608	278.17	ng		-0.02
44) 2-Fluorobiphenyl	14.21	172	6884702	137.53	ng		0.00
77) Terphenyl-d14	22.33	244	7489396	153.19	ng		-0.02
Target Compounds							Qvalue
69) Phenanthrene	18.85	178	1129756	18.64	ng		97
70) Anthracene	18.96	178	237007m	3.79	ng		97
73) Fluoranthene	21.44	202	2062233	29.35	ng		87
76) Pyrene	21.91	202	1642534	17.61	ng	#	93
79) Benzo(a)anthracene	24.52	228	649779	11.06	ng		96
81) Chrysene	24.60	228	775055	13.18	ng		94
84) Indeno(1,2,3-cd)pyrene	31.00	276	180451	3.03	ng		81
86) Benzo(b)fluoranthene	26.80	252	832296m	16.65	ng		85
87) Benzo(k)fluoranthene	26.83	252	331779m	6.74	ng		90
88) Benzo(a)pyrene	27.57	252	467625	10.00	ng	#	87
90) Benzo(g,h,i)perylene	31.99	276	167760	4.39	ng	#	77

Hmm
01/02/01

00033

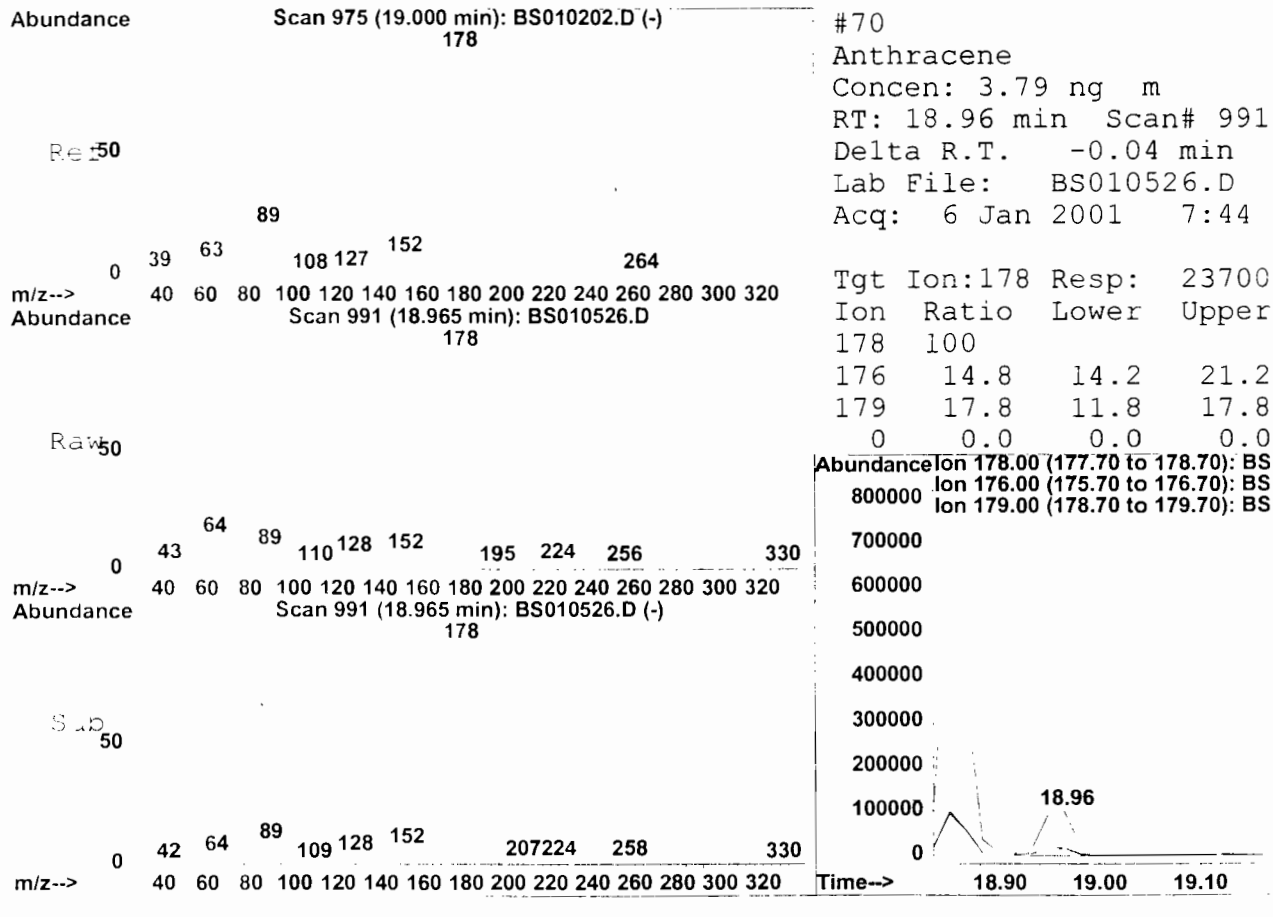
(#) = qualifier out of range (m) = manual integration



#69
Phenanthrene
Concen: 18.64 ng
RT: 18.85 min Scan# 984
Delta R.T. -0.05 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44

Tgt Ion:178 Resp: 1129756

Ion	Ratio	Lower	Upper
178	100		
176	16.2	14.4	21.6
179	15.4	11.8	17.8
0	0.0	0.0	0.0

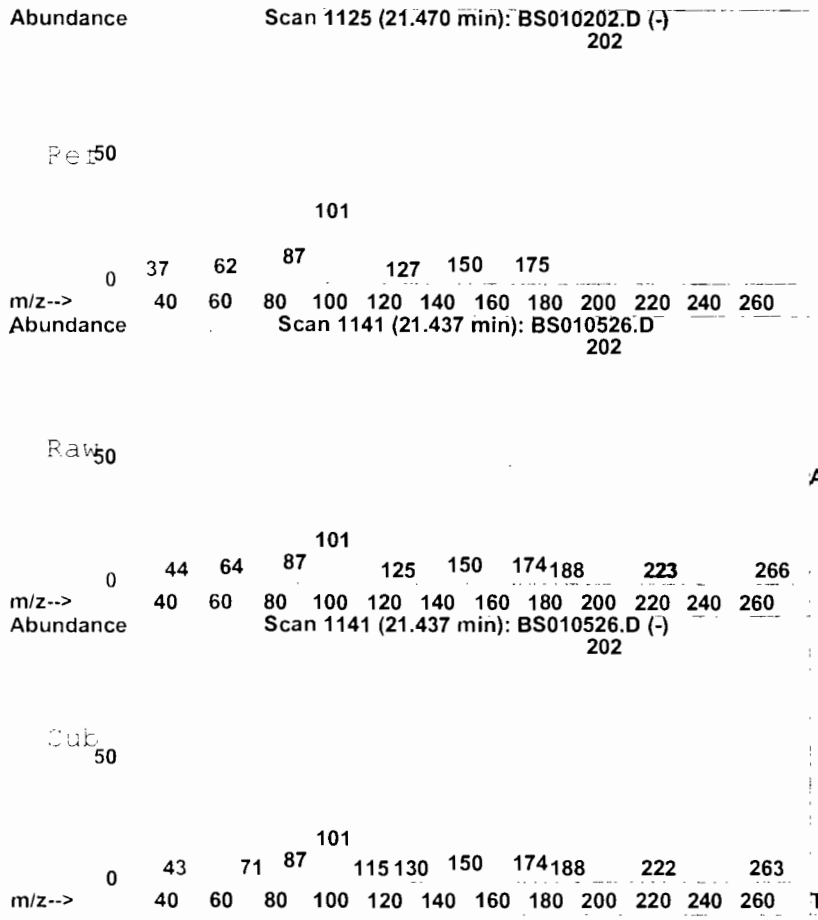


#70
Anthracene
Concen: 3.79 ng m
RT: 18.96 min Scan# 991
Delta R.T. -0.04 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44

Tgt Ion:178 Resp: 237007

Ion	Ratio	Lower	Upper
178	100		
176	14.8	14.2	21.2
179	17.8	11.8	17.8#
0	0.0	0.0	0.0

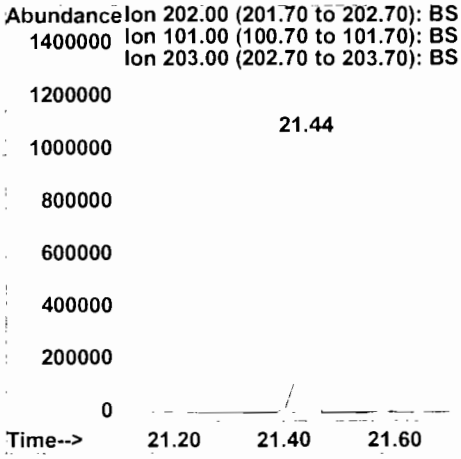
00034

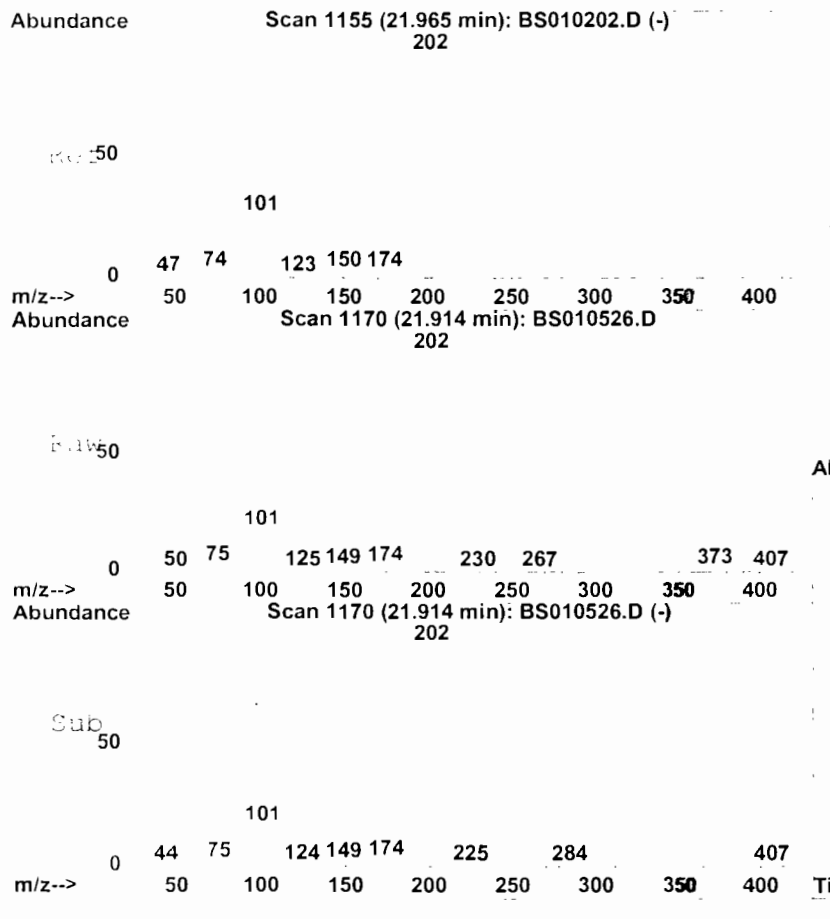


#73
Fluoranthene
Concen: 29.35 ng
RT: 21.44 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44

Tgt Ion:202 Resp: 2062233

Ion	Ratio	Lower	Upper
202	100		
101	12.4	3.4	43.4
203	17.0	0.0	36.9
0	0.0	0.0	0.0

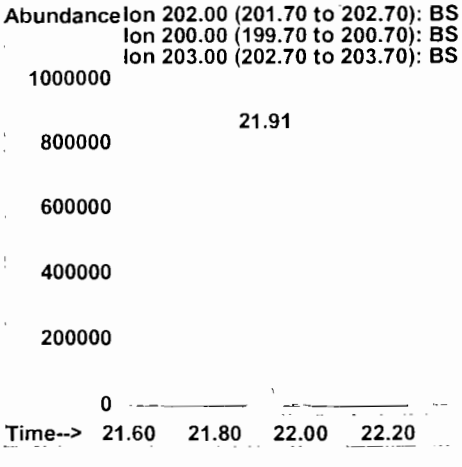




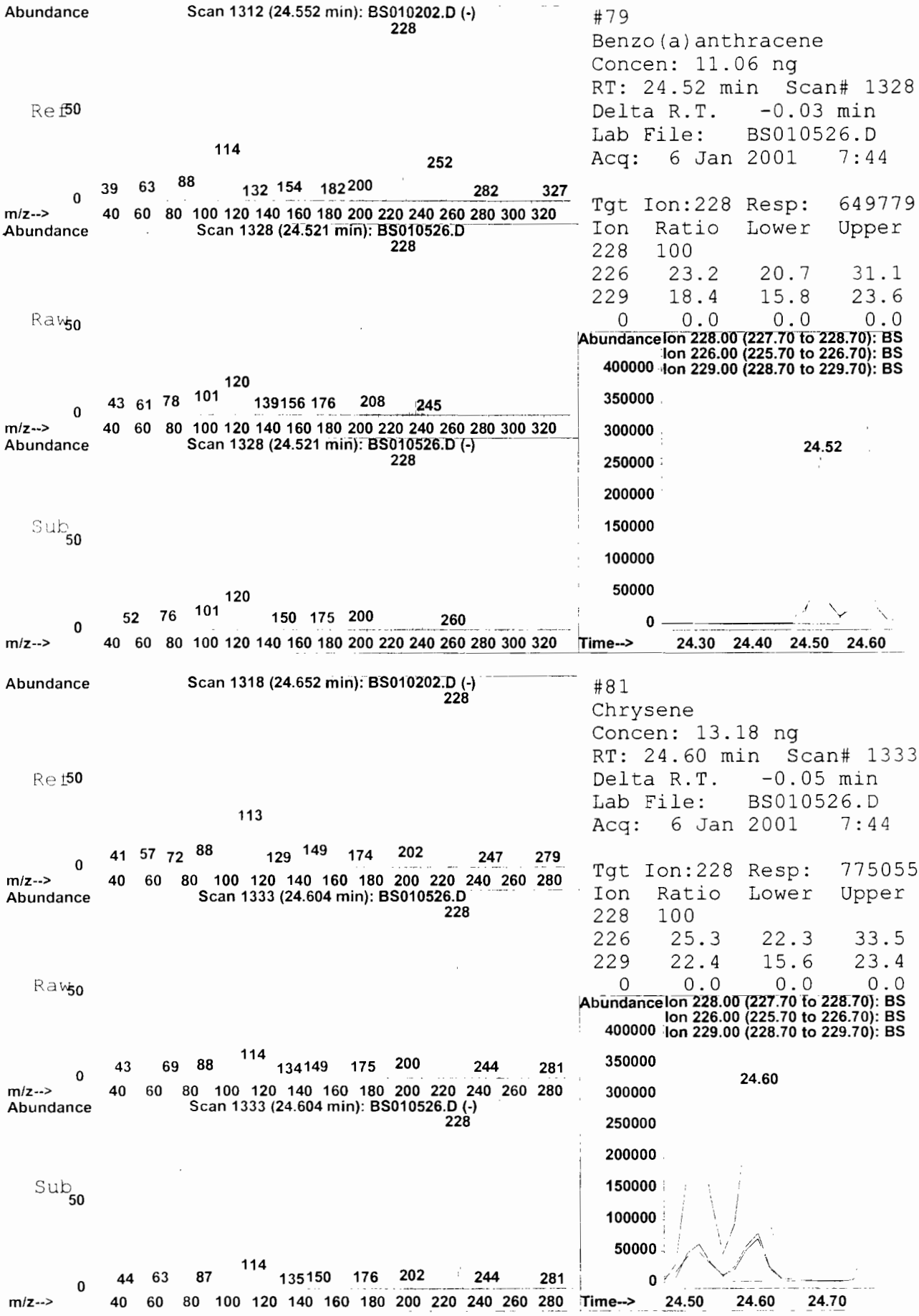
#76
Pyrene
Concen: 17.61 ng
RT: 21.91 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44

Tgt Ion:202 Resp: 1642534

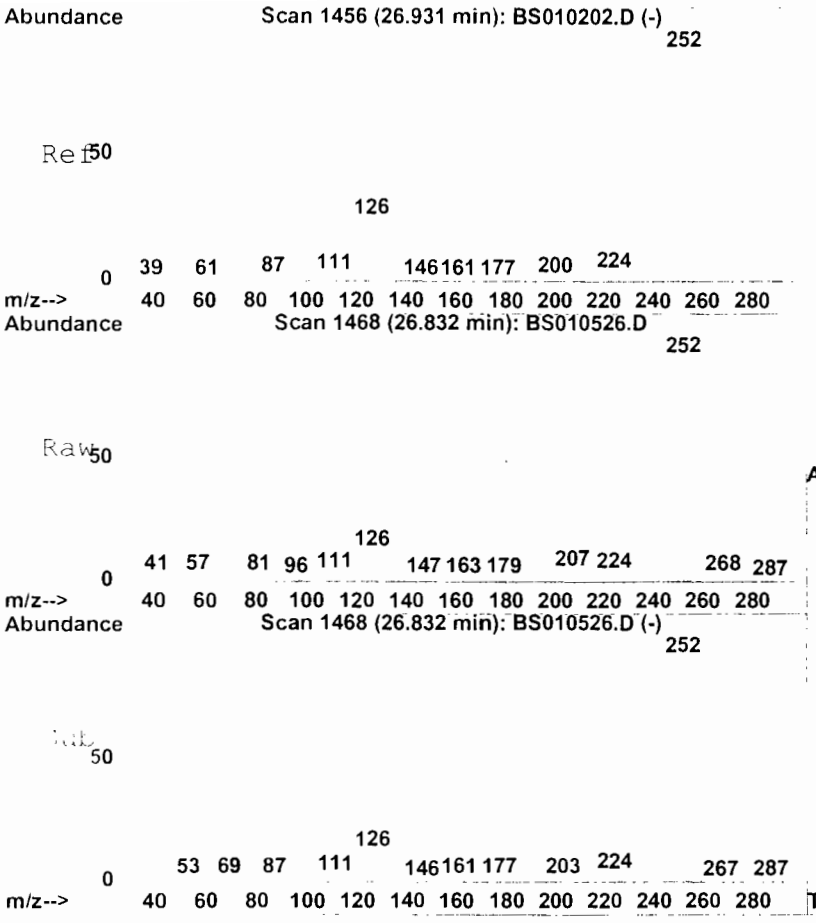
Ion	Ratio	Lower	Upper
202	100		
200	18.2	15.5	23.3
203	22.1	13.9	20.9#
0	0.0	0.0	0.0



00035


Abundance
Scan 1312 (24.552 min): BS010202.D (-)
228
Ref
50
114
252
0
39 63 88 132 154 182 200 282 327
m/z-->
40 60 80 100 120 140 160 180 200 220 240 260 280 300 320
Abundance
Scan 1328 (24.521 min): BS010526.D
228
Raw
50
120
0
43 61 78 101 139 156 176 208 245
m/z-->
40 60 80 100 120 140 160 180 200 220 240 260 280 300 320
Abundance
Scan 1328 (24.521 min): BS010526.D (-)
228
Sub
50
120
52 76 101 150 175 200 260
0
m/z-->
40 60 80 100 120 140 160 180 200 220 240 260 280 300 320
#79
Benzo(a)anthracene
Concen: 11.06 ng
RT: 24.52 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44
Tgt Ion:228 Resp: 649779
Ion Ratio Lower Upper
228 100
226 23.2 20.7 31.1
229 18.4 15.8 23.6
0 0.0 0.0 0.0
Abundance
Ion 228.00 (227.70 to 228.70): BS
Ion 226.00 (225.70 to 226.70): BS
Ion 229.00 (228.70 to 229.70): BS
400000
350000
300000
250000
200000
150000
100000
50000
0
24.52
Time-->
24.30 24.40 24.50 24.60
Abundance
Scan 1318 (24.652 min): BS010202.D (-)
228
Ref
50
113
0
41 57 72 88 129 149 174 202 247 279
m/z-->
40 60 80 100 120 140 160 180 200 220 240 260 280
Abundance
Scan 1333 (24.604 min): BS010526.D
228
Raw
50
114
0
43 69 88 134 149 175 200 244 281
m/z-->
40 60 80 100 120 140 160 180 200 220 240 260 280
Abundance
Scan 1333 (24.604 min): BS010526.D (-)
228
Sub
50
114
0
44 63 87 135 150 176 202 244 281
m/z-->
40 60 80 100 120 140 160 180 200 220 240 260 280
#81
Chrysene
Concen: 13.18 ng
RT: 24.60 min Scan# 1333
Delta R.T. -0.05 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44
Tgt Ion:228 Resp: 775055
Ion Ratio Lower Upper
228 100
226 25.3 22.3 33.5
229 22.4 15.6 23.4
0 0.0 0.0 0.0
Abundance
Ion 228.00 (227.70 to 228.70): BS
Ion 226.00 (225.70 to 226.70): BS
Ion 229.00 (228.70 to 229.70): BS
400000
350000
300000
250000
200000
150000
100000
50000
0
24.60
Time-->
24.50 24.60 24.70

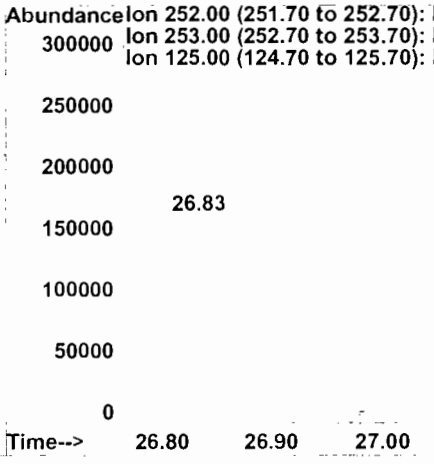
00036

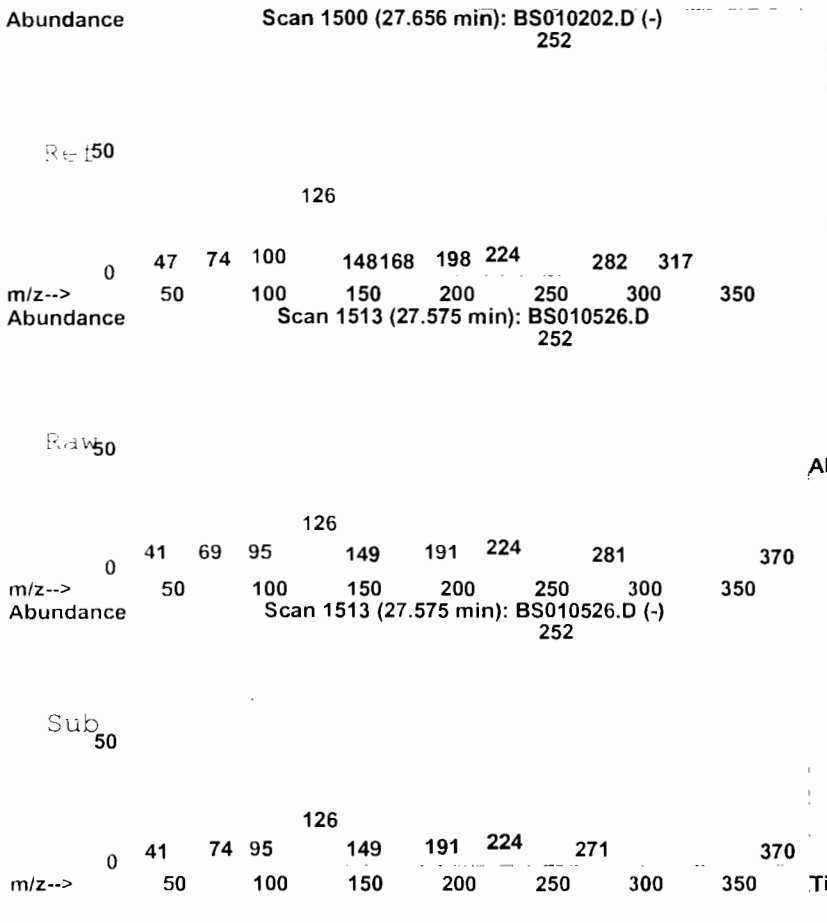


#87
Benzo(k)fluoranthene
Concen: 6.74 ng m
RT: 26.83 min Scan# 1468
Delta R.T. -0.10 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44

Tgt Ion:252 Resp: 331779

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	12.0	13.6	20.4#
0	0.0	0.0	0.0

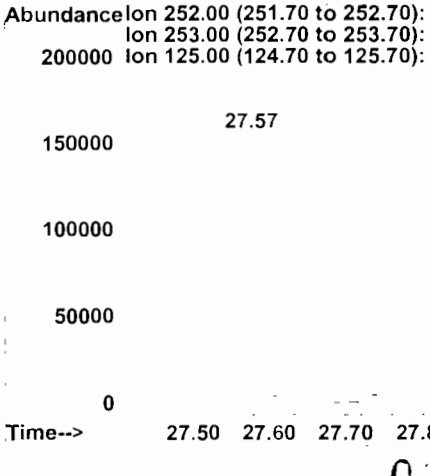




#88
Benzo(a)pyrene
Concen: 10.00 ng
RT: 27.57 min Scan# 1513
Delta R.T. -0.08 min
Lab File: BS010526.D
Acq: 6 Jan 2001 7:44

Tgt Ion:252 Resp: 467625

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	9.5	16.6	24.8#
0	0.0	0.0	0.0



00038

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-5

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11373 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010719.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/8/01

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	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
621-64-7	n-Nitroso-di-n-propylamine	390	U
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	390	U
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	390	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
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
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
85-01-8	Phenanthrene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-5

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11373 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010719.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/8/01

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
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
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

CHEMTECH

SEMI-VOLATILE

CALIBRATION DATA

00041

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Blvd Location: Group: DW-2

Instrument ID: 5971-S Calibration Date(s): 12/3/00 12/3/00

Calibration Times: 1745 2053

Lab File ID: RRF20 = BS120306.D RRF50 = BS120303.D
RRF80 = BS120302.D RRF120 = BS120304.D RRF160 = BS120305.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
bis(2-Chloroethyl)ether	1.195	1.320	1.193	1.079	0.988	1.155	10.9	
1,2-Dichlorobenzene	1.113	1.309	1.255	1.103	1.092	1.174	8.5	
1,3-Dichlorobenzene	1.153	1.413	1.299	1.267	1.206	1.268	7.8	
1,4-Dichlorobenzene	1.195	1.402	1.346	1.275	1.222	1.288	6.7	
2,2'-oxybis(1-Chloropropane)	1.631	1.959	1.849	1.734	1.623	1.759	8.2	
n-Nitroso-di-n-propylamine *	0.782	0.925	0.843	0.819	0.848	0.843	6.2	*
Hexachloroethane	0.654	0.786	0.739	0.683	0.589	0.690	11.0	
Nitrobenzene	0.296	0.344	0.318	0.325	0.288	0.314	7.1	
Isophorone	0.652	0.749	0.681	0.668	0.674	0.685	5.5	
bis(2-Chloroethoxy)methane	0.497	0.546	0.456	0.462	0.480	0.488	7.4	
1,2,4-Trichlorobenzene	0.297	0.340	0.301	0.294	0.283	0.303	7.1	
Naphthalene	0.812	0.882	0.797	0.726	0.717	0.787	8.6	
4-Chloroaniline	0.380	0.489	0.408	0.366	0.329	0.394	15.2	
Hexachlorobutadiene	0.152	0.177	0.164	0.157	0.153	0.160	6.4	
2-Methylnaphthalene	0.609	0.642	0.566	0.545	0.498	0.572	9.8	
Hexachlorocyclopentadiene *	0.133	0.198	0.231	0.226	0.239	0.206	21.0	*
2-Chloronaphthalene	0.969	0.986	0.967	0.892	0.834	0.930	7.0	
2-Nitroaniline	0.349	0.409	0.420	0.404	0.373	0.391	7.5	
Dimethylphthalate	1.090	1.173	1.204	1.132	1.102	1.140	4.2	
Acenaphthylene	1.310	1.401	1.333	1.204	1.091	1.268	9.6	
2,6-Dinitrotoluene	0.287	0.310	0.319	0.275	0.257	0.290	8.8	
3-Nitroaniline	0.302	0.377	0.351	0.363	0.369	0.352	8.5	
Acenaphthene	0.842	0.926	0.892	0.787	0.798	0.849	7.0	
Dibenzofuran	1.488	1.544	1.530	1.337	1.308	1.441	7.7	
2,4-Dinitrotoluene	0.419	0.483	0.493	0.456	0.473	0.465	6.2	
Diethylphthalate	1.148	1.241	1.280	1.182	1.091	1.188	6.3	
4-Chlorophenyl-phenylether	0.483	0.523	0.535	0.468	0.447	0.491	7.6	
Fluorene	1.040	1.070	1.073	0.963	0.860	1.001	9.0	
4-Nitroaniline	0.341	0.429	0.469	0.436	0.438	0.423	11.4	
n-Nitrosodiphenylamine	0.394	0.447	0.427	0.398	0.373	0.408	7.2	
4-Bromophenyl-phenylether	0.207	0.229	0.224	0.203	0.185	0.210	8.4	
Hexachlorobenzene	0.210	0.238	0.238	0.222	0.202	0.222	7.2	
Phenanthrene	0.798	0.873	0.825	0.725	0.690	0.782	9.5	
Anthracene	0.808	0.916	0.831	0.792	0.694	0.808	9.9	
Carbazole	0.879	1.011	0.979	0.875	0.825	0.914	8.5	
Di-n-butylphthalate	1.396	1.582	1.393	1.235	1.175	1.356	11.7	
Fluoranthene	0.863	0.959	0.908	0.853	0.789	0.874	7.3	

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

00045

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Instrument ID: 5971-S Calibration Date(s): 12/3/00 12/3/00

Calibration Times: 1745 2053

Lab File ID: RRF20 = BS120306.D RRF50 = BS120303.D
RRF80 = BS120302.D RRF120 = BS120304.D RRF160 = BS120305.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Pyrene	1.327	1.432	1.353	1.291	1.197	1.320	6.5
Butylbenzylphthalate	0.793	0.898	0.823	0.794	0.773	0.816	6.0
3,3'-Dichlorobenzidine	0.265	0.249	0.266	0.222	0.198	0.240	12.3
Benzo(a)anthracene	0.829	0.907	0.866	0.814	0.767	0.836	6.3
Chrysene	0.796	0.870	0.767	0.725	0.651	0.762	10.7
Bis(2-Ethylhexyl)phthalate	1.031	1.029	0.887	0.772	0.650	0.874	18.9
Di-n-octyl phthalate	1.797	2.059	1.981	1.841	1.684	1.872	8.0
Benzo(b)fluoranthene	0.874	1.000	0.937	0.917	0.963	0.938	5.1
Benzo(k)fluoranthene	0.835	0.993	1.006	0.970	0.849	0.930	8.8
Benzo(a)pyrene	0.771	0.916	0.899	0.872	0.855	0.863	6.5
Indeno(1,2,3-cd)pyrene	0.647	0.803	0.811	0.821	0.794	0.775	9.3
Dibenzo(a,h)anthracene	0.556	0.695	0.689	0.678	0.664	0.656	8.7
Benzo(g,h,i)perylene	0.604	0.728	0.712	0.713	0.676	0.687	7.2
Nitrobenzene-d5	0.280	0.318	0.303	0.306	0.311	0.303	4.7
2-Fluorobiphenyl	1.096	1.147	1.158	0.998	0.966	1.073	8.1
Terphenyl-d14	0.629	0.731	0.716	0.655	0.634	0.673	7.0

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

Response Factor Report bn2

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Initial Calibration

Calibration Files
80 =BS120302.D 20 =BS120306.D 50 =BS120303.D
120 =BS120304.D 160 =BS120305.D

		Compound	80	20	50	120	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)		Pyridine	0.746	0.559	0.783	0.668	0.688	0.689	12.43
3)		n-Nitrosodimethylamin	0.513	0.412	0.515	0.471	0.475	0.477	8.79
4)	S	2-Fluorophenol	1.008	0.828	1.008	1.024	0.973	0.968	8.34
5)		Aniline	1.632	1.603	1.858	1.500	1.464	1.611	9.57
6)	S	Phenol-d5	1.454	1.380	1.616	1.339	1.323	1.422	8.39
7)		2-Chlorophenol	1.066	0.993	1.131	1.012	0.983	1.037	5.93
8)		Benzaldehyde	0.285	0.108	0.135	0.129	0.130	0.157	45.76
9)	C	Phenol	1.663	1.520	1.862	1.556	1.429	1.606	10.33
10)		bis(2-Chloroethyl)eth	1.193	1.195	1.320	1.079	0.988	1.155	10.94
11)	S	2-Chlorophenol-d4	1.164	1.063	1.201	1.058	1.028	1.103	6.81
12)		1,3-Dichlorobenzene	1.299	1.153	1.413	1.267	1.206	1.268	7.79
13)	C	1,4-Dichlorobenzene	1.346	1.195	1.402	1.275	1.222	1.288	6.65
14)	s	1,2-Dichlorobenzene-d	0.734	0.640	0.734	0.644	0.650	0.681	7.20
15)		1,2-Dichlorobenzene	1.255	1.113	1.309	1.103	1.092	1.174	8.54
16)		Benzyl Alcohol	0.942	0.773	0.949	0.866	0.859	0.878	8.19
17)		2,2'-oxybis(1-Chlorop	1.849	1.631	1.959	1.734	1.623	1.759	8.22
18)		2-Methylphenol	1.116	0.945	1.182	1.067	0.989	1.060	8.97
19)		Hexachloroethane	0.739	0.654	0.786	0.683	0.589	0.690	10.99
20)	P	n-Nitroso-di-n-propyl	0.843	0.782	0.925	0.819	0.848	0.843	6.21
21)		3+4-Methylphenols	1.246	1.175	1.354	1.171	1.049	1.199	9.32
22)	I	Naphthalene-d8	----------ISTD----------						
23)		Acetophenone	0.404	0.383	0.461	0.384	0.400	0.406	7.87
24)	S	Nitrobenzene-d5	0.303	0.280	0.317	0.305	0.311	0.303	4.69
25)		Nitrobenzene	0.318	0.296	0.344	0.325	0.288	0.314	7.12
26)		Isophorone	0.681	0.652	0.749	0.667	0.674	0.685	5.49
27)	C	2-Nitrophenol	0.195	0.181	0.220	0.203	0.186	0.197	7.73
28)		2,4-Dimethylphenol	0.237	0.228	0.279	0.238	0.242	0.245	8.03
29)		bis(2-Chloroethoxy)me	0.456	0.496	0.546	0.462	0.480	0.488	7.43
30)	C	2,4-Dichlorophenol	0.276	0.271	0.295	0.262	0.257	0.273	5.41
31)		1,2,4-Trichlorobenzen	0.301	0.297	0.340	0.294	0.283	0.303	7.11
32)		Naphthalene	0.797	0.812	0.882	0.726	0.717	0.787	8.61
33)		Benzoic acid	0.199	0.135	0.184	0.198	0.206	0.184	15.58
34)		4-Chloroaniline	0.408	0.380	0.489	0.366	0.329	0.394	15.19
35)	C	Hexachlorobutadiene	0.164	0.151	0.177	0.157	0.153	0.160	6.35
36)		Caprolactam	0.018	0.015	0.017	0.017	0.018	0.017	7.47
37)	C	4-Chloro-3-methylphen	0.323	0.303	0.343	0.315	0.322	0.321	4.49
38)		2-Methylnaphthalene	0.566	0.609	0.642	0.545	0.498	0.572	9.76
39)	I	Acenaphthene-d10	----------ISTD----------						
40)	P	Hexachlorocyclopentad	0.231	0.133	0.198	0.226	0.239	0.206	21.03
41)	S	2,4,6-Tribromophenol	0.239	0.184	0.220	0.226	0.218	0.217	9.42

00047

(#) = Out of Range

Response Factor Report bn2

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Initial Calibration

Calibration Files
80 =BS120302.D 20 =BS120306.D 50 =BS120303.D
120 =BS120304.D 160 =BS120305.D

		Compound	80	20	50	120	160	Avg	%RSD
42)	C	2,4,6-Trichlorophenol	0.342	0.314	0.344	0.330	0.315	0.329	4.29
43)		2,4,5-Trichlorophenol	0.402	0.370	0.381	0.357	0.347	0.371	5.80
44)	S	2-Fluorobiphenyl	1.158	1.096	1.147	0.998	0.966	1.073	8.09
45)		1,1'-Biphenyl	0.932	0.970	0.912	0.842	0.812	0.894	7.26
46)		2-Chloronaphthalene	0.967	0.969	0.986	0.892	0.834	0.929	6.96
47)		2-Nitroaniline	0.420	0.349	0.409	0.404	0.373	0.391	7.48
48)		Acenaphthylene	1.333	1.310	1.401	1.204	1.091	1.268	9.60
49)		Dimethylphthalate	1.204	1.090	1.173	1.132	1.102	1.140	4.20
50)		2,6-Dinitrotoluene	0.319	0.286	0.310	0.275	0.257	0.290	8.79
51)	C	Acenaphthene	0.892	0.842	0.926	0.787	0.798	0.849	7.03
52)		3-Nitroaniline	0.351	0.302	0.377	0.363	0.369	0.352	8.48
53)	P	2,4-Dinitrophenol	0.178	0.043	0.130	0.212	0.221	0.157	46.34
54)		Dibenzofuran	1.530	1.488	1.544	1.337	1.308	1.441	7.68
55)	P	4-Nitrophenol	0.807	0.716	0.799	0.756	0.728	0.761	5.36
56)		2,4-Dinitrotoluene	0.492	0.419	0.483	0.456	0.473	0.465	6.19
57)		Fluorene	1.073	1.040	1.070	0.963	0.860	1.001	9.03
58)		Diethylphthalate	1.280	1.148	1.241	1.181	1.091	1.188	6.28
59)		4-Chlorophenyl-phenyl	0.535	0.483	0.523	0.468	0.447	0.491	7.60
60)		4-Nitroaniline	0.469	0.341	0.429	0.436	0.438	0.423	11.39
61)		Azobenzene	1.686	1.574	1.678	1.560	1.428	1.585	6.66
62)	I	Phenanthrene-d10	----------ISTD----------						
63)		4,6-Dinitro-2-methylp	0.152	0.079	0.138	0.152	0.151	0.134	23.47
64)	c	n-Nitrosodiphenylamin	0.427	0.394	0.447	0.398	0.372	0.408	7.22
65)		4-Bromophenyl-phenyle	0.224	0.207	0.229	0.203	0.185	0.210	8.44
66)		Hexachlorobenzene	0.238	0.210	0.238	0.222	0.202	0.222	7.23
67)		Atrazine	0.173	0.156	0.173	0.166	0.147	0.163	6.99
68)	C	Pentachlorophenol	0.147	0.094	0.141	0.146	0.139	0.133	16.83
69)		Phenanthrene	0.824	0.798	0.873	0.725	0.690	0.782	9.53
70)		Anthracene	0.831	0.808	0.916	0.792	0.694	0.808	9.86
71)		Carbazole	0.979	0.879	1.011	0.875	0.825	0.914	8.51
72)		Di-n-butylphthalate	1.393	1.396	1.582	1.235	1.175	1.356	11.75
73)	C	Fluoranthene	0.908	0.863	0.959	0.853	0.789	0.874	7.27
74)	I	Chrysene-d12	----------ISTD----------						
75)		Benzidine	0.157	0.044	0.116	0.120	0.122	0.112	37.07
76)		Pyrene	1.353	1.327	1.432	1.291	1.197	1.320	6.51
77)	S	Terphenyl-d14	0.716	0.629	0.731	0.655	0.634	0.673	7.04
78)		Butylbenzylphthalate	0.823	0.793	0.898	0.794	0.773	0.816	5.98
79)		Benzo(a)anthracene	0.866	0.829	0.907	0.814	0.767	0.836	6.32
80)		3,3'-Dichlorobenzidin	0.266	0.265	0.249	0.222	0.198	0.240	12.25
81)		Chrysene	0.767	0.796	0.870	0.725	0.651	0.762	10.67
82)		Bis(2-ethylhexyl)phth	0.887	1.031	1.029	0.772	0.650	0.874	18.94
83)	c	Di-n-octyl phthalate	1.981	1.797	2.059	1.841	1.684	1.872	7.95

(#) = Out of Range

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Initial Calibration

Calibration Files
80 =BS120302.D 20 =BS120306.D 50 =BS120303.D
120 =BS120304.D 160 =BS120305.D

		Compound	80	20	50	120	160	Avg	%RSD
84)		Indeno(1,2,3-cd)pyren	0.811	0.647	0.803	0.821	0.794	0.775	9.30
85)	I	Perylene-d12	----------ISTD----------						
86)		Benzo(b)fluoranthene	0.937	0.874	1.000	0.916	0.963	0.938	5.09
87)		Benzo(k)fluoranthene	1.006	0.834	0.993	0.970	0.849	0.930	8.84
88)	C	Benzo(a)pyrene	0.899	0.771	0.916	0.872	0.855	0.863	6.53
89)		Dibenzo(a,h)anthracen	0.689	0.556	0.695	0.678	0.664	0.656	8.70
90)		Benzo(g,h,i)perylene	0.712	0.604	0.728	0.713	0.676	0.687	7.24

00049

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120306.D Vial: 6
Acq On : 3 Dec 2000 20:53 Operator: SJT
Sample : 20 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.00	152	555772	40.00	ng		0.00
22) Naphthalene-d8	11.54	136	2082623	40.00	ng		0.00
39) Acenaphthene-d10	15.08	164	1316885	40.00	ng		0.00
62) Phenanthrene-d10	18.05	188	2415829	40.00	ng		0.00
74) Chrysene-d12	23.38	240	2152843	40.00	ng		-0.01
85) Perylene-d12	26.51	264	1957976	40.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	6.38	112	229973	16.38	ng		-0.01
6) Phenol-d5	8.39	99	383418	19.03	ng		-0.02
11) 2-Chlorophenol-d4	8.57	132	295303	18.26	ng		0.01
14) 1,2-Dichlorobenzene-d4	9.32	152	177957	17.45	ng		0.00
24) Nitrobenzene-d5	10.16	82	291665	18.52	ng		-0.01
41) 2,4,6-Tribromophenol	16.68	330	121137	15.17	ng		0.00
44) 2-Fluorobiphenyl	13.76	172	721944	18.64	ng		0.00
77) Terphenyl-d14	21.29	244	677468	17.56	ng		-0.01
Target Compounds							Qvalue
2) Pyridine	3.15	79	155450	13.72	ng		97
3) n-Nitrosodimethylamine	3.18	74	114552	15.46	ng		84
5) Aniline	8.41	93	445388	19.71	ng	#	89
7) 2-Chlorophenol	8.61	128	275944	18.63	ng		93
8) Benzaldehyde	8.16	77	30040	7.57	ng		98
9) Phenol	8.42	94	422453	18.32	ng		96
10) bis(2-Chloroethyl)ether	8.59	93	331998	20.11	ng		100
12) 1,3-Dichlorobenzene	8.89	146	320354	17.76	ng		98
13) 1,4-Dichlorobenzene	9.03	146	332142	17.74	ng		98
15) 1,2-Dichlorobenzene	9.35	146	309366	17.67	ng		96
16) Benzyl Alcohol	9.35	79	214700	16.59	ng		98
17) 2,2'-oxybis(1-Chloropropan	9.65	45	453305	17.67	ng		95
18) 2-Methylphenol	9.61	107	262678	16.84	ng		97
19) Hexachloroethane	9.97	117	181860	17.72	ng		98
20) n-Nitroso-di-n-propylamine	9.91	70	217372	18.66	ng		97
21) 3+4-Methylphenols	9.93	107	652880	37.56	ng		97
23) Acetophenone	9.88	105	398470	18.99	ng		90
25) Nitrobenzene	10.21	77	308393	18.38	ng		87
26) Isophorone	10.67	82	678870	19.09	ng		99
27) 2-Nitrophenol	10.83	139	188547	18.55	ng	#	86
28) 2,4-Dimethylphenol	10.97	122	237440	19.25	ng		99
29) bis(2-Chloroethoxy)methane	11.16	93	516969	21.77	ng		99
30) 2,4-Dichlorophenol	11.30	162	282411	19.89	ng		99

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120306.D
Acq On : 3 Dec 2000 20:53
Sample : 20 ng BNA ICC
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000

Vial: 6
Operator: SJT
Inst : bn2
Multiplr: 1.00

Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31) 1,2,4-Trichlorobenzene	11.46	180	309638	19.76	ng		97
32) Naphthalene	11.59	128	845786	20.41	ng		98
33) Benzoic acid	11.15	122	140574	12.91	ng		96
34) 4-Chloroaniline	11.77	127	395489	18.38	ng	#	92
35) Hexachlorobutadiene	11.87	225	157737	18.45	ng		98
36) Caprolactam	12.43	113	15221	16.41	ng		73
37) 4-Chloro-3-methylphenol	12.76	107	315972	19.30	ng		96
38) 2-Methylnaphthalene	12.98	142	633770	21.43	ng		98
40) Hexachlorocyclopentadiene	13.33	237	87752	11.27	ng		99
42) 2,4,6-Trichlorophenol	13.59	196	207002	17.99	ng		97
43) 2,4,5-Trichlorophenol	13.64	196	243780	17.96	ng		98
45) 1,1'-Biphenyl	13.94	154	638490	20.50	ng		98
46) 2-Chloronaphthalene	13.95	162	638084	19.89	ng		99
47) 2-Nitroaniline	14.23	65	229685	16.40	ng		92
48) Acenaphthylene	14.78	152	862570	19.50	ng		99
[illegible]	14.63	163	717901	17.94	ng		99
[illegible]	[illegible]	[illegible]	108618	17.79	ng	#	87

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120306.D Vial: 6
Acq On : 3 Dec 2000 20:53 Operator: SJT
Sample : 20 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

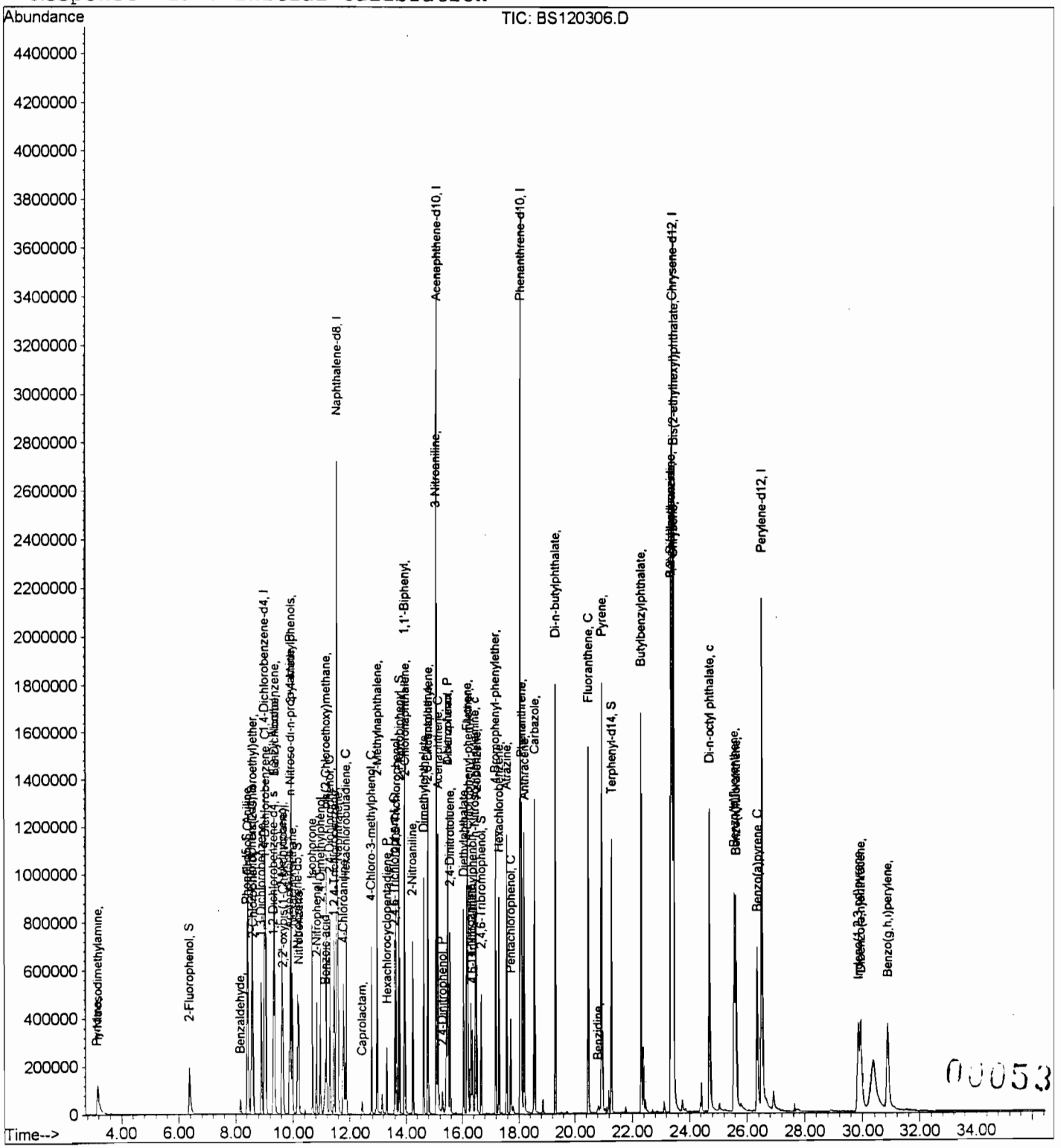
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78) Butylbenzylphthalate	22.30	149	853073	19.14	ng	#	85
79) Benzo(a)anthracene	23.34	228	891831	19.06	ng		98
80) 3,3'-Dichlorobenzidine	23.34	252	285079	19.83	ng		96
81) Chrysene	23.43	228	856730	20.64	ng		98
82) Bis(2-ethylhexyl)phthalate	23.44	149	1110029	22.91	ng	#	98
83) Di-n-octyl phthalate	24.70	149	1934232	18.07	ng		99
84) Indeno(1,2,3-cd)pyrene	29.86	276	696899	15.86	ng	#	87
86) Benzo(b)fluoranthene	25.56	252	855223	18.63	ng		99
87) Benzo(k)fluoranthene	25.62	252	816939	15.98	ng		97
88) Benzo(a)pyrene	26.36	252	754720	16.73	ng		94
89) Dibenzo(a,h)anthracene	29.95	278	544662	15.68	ng		99
90) Benzo(g,h,i)perylene	30.89	276	591629	16.39	ng		94

00052

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

Data File : F:\HPCHEM\1\DATA\BS120300\BS120306.D Vial: 6
Acq On : 3 Dec 2000 20:53 Operator: SJT
Sample : 20 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120303.D Vial: 3
Acq On : 3 Dec 2000 18:33 Operator: SJT
Sample : 50 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.00	152	533021	40.00	ng		0.00
22) Naphthalene-d8	11.54	136	2079252	40.00	ng		-0.01
39) Acenaphthene-d10	15.08	164	1370612	40.00	ng		0.01
62) Phenanthrene-d10	18.05	188	2387478	40.00	ng		0.00
74) Chrysene-d12	23.39	240	2161067	40.00	ng		0.00
85) Perylene-d12	26.51	264	1985020	40.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.38	112	671908	49.90	ng		-0.01
6) Phenol-d5	8.41	99	1076435	55.70	ng		0.00
11) 2-Chlorophenol-d4	8.57	132	800231	51.59	ng		0.01
14) 1,2-Dichlorobenzene-d4	9.32	152	489013	50.00	ng		0.00
24) Nitrobenzene-d5	10.16	82	825144	52.48	ng		-0.01
41) 2,4,6-Tribromophenol	16.68	330	377143	45.38	ng		0.00
44) 2-Fluorobiphenyl	13.75	172	1964804	48.74	ng		-0.02
77) Terphenyl-d14	21.29	244	1974372	50.98	ng		0.00
Target Compounds							Qvalue
2) Pyridine	3.13	79	521456	47.98	ng		98
3) n-Nitrosodimethylamine	3.18	74	343444	48.33	ng		96
5) Aniline	8.41	93	1237630	57.12	ng		94
7) 2-Chlorophenol	8.61	128	753656	53.05	ng		92
8) Benzaldehyde	8.16	77	90203	23.71	ng		91
9) Phenol	8.42	94	1240935	56.11	ng		94
10) bis(2-Chloroethyl)ether	8.59	93	879401	55.53	ng		99
12) 1,3-Dichlorobenzene	8.89	146	941324	54.42	ng		99
13) 1,4-Dichlorobenzene	9.04	146	933924	52.00	ng		98
15) 1,2-Dichlorobenzene	9.35	146	872239	51.94	ng		98
16) Benzyl Alcohol	9.36	79	632099	50.93	ng		94
17) 2,2'-oxybis(1-Chloropropan	9.65	45	1305433	53.06	ng		95
18) 2-Methylphenol	9.61	107	787249	52.62	ng		99
19) Hexachloroethane	9.98	117	523647	53.21	ng		98
20) n-Nitroso-di-n-propylamine	9.93	70	616182	55.16	ng		94
21) 3+4-Methylphenols	9.93	107	1803830	108.20	ng		99
23) Acetophenone	9.88	105	1198063	57.18	ng		88
25) Nitrobenzene	10.21	77	894148	53.39	ng		86
26) Isophorone	10.67	82	1946866	54.85	ng		98
27) 2-Nitrophenol	10.83	139	570790	56.25	ng	#	89
28) 2,4-Dimethylphenol	10.96	122	724156	58.82	ng		99
29) bis(2-Chloroethoxy)methane	11.16	93	1419699	59.87	ng		99
30) 2,4-Dichlorophenol	11.29	162	768009	54.17	ng		98

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120303.D Vial: 3
Acq On : 3 Dec 2000 18:33 Operator: SJT
Sample : 50 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	1,2,4-Trichlorobenzene	11.46	180	882514	56.42	ng		98
32)	Naphthalene	11.59	128	2292267	55.40	ng		99
33)	Benzoic acid	11.23	122	478799	44.05	ng		91
34)	4-Chloroaniline	11.77	127	1269754	59.11	ng	#	94
35)	Hexachlorobutadiene	11.87	225	458911	53.78	ng		98
36)	Caprolactam	12.48	113	43313	46.76	ng		84
37)	4-Chloro-3-methylphenol	12.76	107	891631	54.54	ng		96
38)	2-Methylnaphthalene	12.97	142	1667590	56.48	ng		99
40)	Hexachlorocyclopentadiene	13.32	237	339364	41.88	ng		99
42)	2,4,6-Trichlorophenol	13.58	196	588541	49.13	ng		96
43)	2,4,5-Trichlorophenol	13.65	196	652206	46.16	ng		97
45)	1,1'-Biphenyl	13.94	154	1562172	48.18	ng		99
46)	2-Chloronaphthalene	13.96	162	1689207	50.58	ng		98
47)	2-Nitroaniline	14.24	65	699956	48.02	ng		93
48)	Acenaphthylene	14.78	152	2400447	52.13	ng		99
49)	Dimethylphthalate	14.64	163	2009126	48.24	ng		99
50)	2,6-Dinitrotoluene	14.77	165	531283	48.13	ng	#	90
51)	Acenaphthene	15.13	154	1585898	51.21	ng		99
52)	3-Nitroaniline	15.08	138	646070	53.07	ng		86
53)	2,4-Dinitrophenol	15.30	184	223569	36.80	ng		95
54)	Dibenzofuran	15.48	168	2645521	49.99	ng		98
55)	4-Nitrophenol	15.48	139	1368556	48.91	ng		99
56)	2,4-Dinitrotoluene	15.56	165	827177	48.55	ng		95
57)	Fluorene	16.17	166	1833023	49.63	ng		98
58)	Diethylphthalate	16.05	149	2126548	47.14	ng		99
59)	4-Chlorophenyl-phenylether	16.20	204	896158	48.00	ng		98
60)	4-Nitroaniline	16.32	138	735141	45.42	ng		99
61)	Azobenzene	16.51	77	2875460	48.71	ng		99
63)	4,6-Dinitro-2-methylphenol	16.37	198	412802	46.85	ng	#	74
64)	n-Nitrosodiphenylamine	16.46	169	1335115	53.11	ng		100
65)	4-Bromophenyl-phenylether	17.17	248	683837	52.30	ng		97
66)	Hexachlorobenzene	17.30	284	710665	50.93	ng		96
67)	Atrazine	17.58	200	516713	50.77	ng		96
68)	Pentachlorophenol	17.72	266	419318	48.64	ng		98
69)	Phenanthrene	18.09	178	2606438	53.89	ng		100
70)	Anthracene	18.19	178	2734060	54.92	ng		99
71)	Carbazole	18.56	167	3017093	52.53	ng		99
72)	Di-n-butylphthalate	19.31	149	4720694	57.62	ng		99
73)	Fluoranthene	20.48	202	2861429	53.76	ng		95
75)	Benzidine	20.81	184	313463	37.59	ng		99
76)	Pyrene	20.95	202	3868791	52.36	ng		99

09055

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120303.D Vial: 3
Acq On : 3 Dec 2000 18:33 Operator: SJT
Sample : 50 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
78)	Butylbenzylphthalate	22.31	149	2424543	54.19 ng		95
79)	Benzo(a)anthracene	23.35	228	2448878	52.13 ng		99
80)	3,3'-Dichlorobenzidine	23.35	252	672565	46.60 ng		97
81)	Chrysene	23.44	228	2349940	56.40 ng		99
82)	Bis(2-ethylhexyl)phthalate	23.44	149	2780200	57.16 ng	#	97
83)	Di-n-octyl phthalate	24.69	149	5561639	51.76 ng		99
84)	Indeno(1,2,3-cd)pyrene	29.86	276	2169172	49.19 ng	#	86
86)	Benzo(b)fluoranthene	25.56	252	2481473	53.32 ng		100
87)	Benzo(k)fluoranthene	25.63	252	2464918	47.57 ng	#	95
88)	Benzo(a)pyrene	26.37	252	2272709	49.69 ng		96
89)	Dibenzo(a,h)anthracene	29.96	278	1723326	48.94 ng		99
90)	Benzo(g,h,i)perylene	30.92	276	1805605	49.34 ng		98

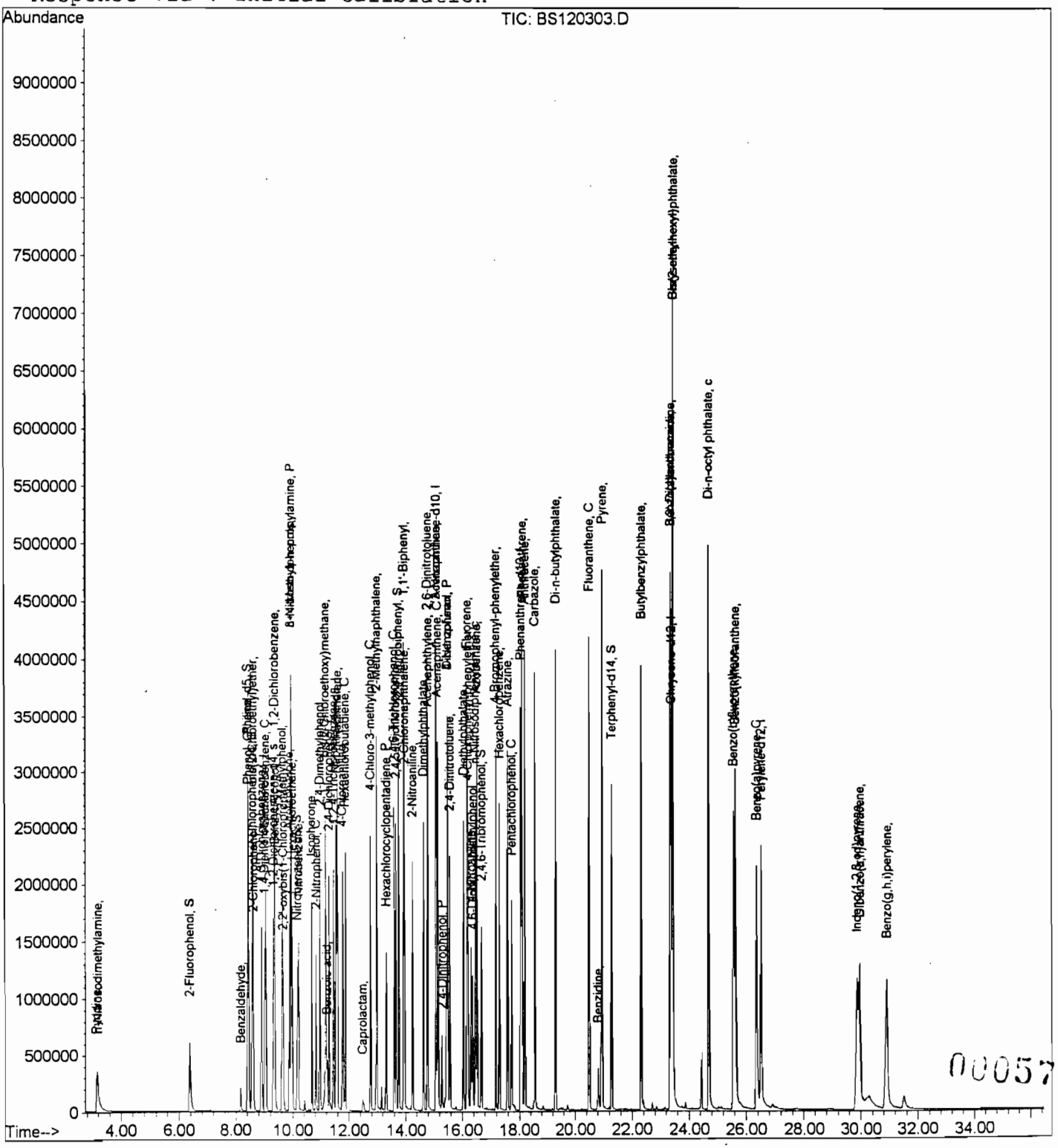
00056

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

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120303.D Vial: 3
Acq On : 3 Dec 2000 18:33 Operator: SJT
Sample : 50 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:19 2000 Quant Results File: BS1203C.RES

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120302.D Vial: 2
Acq On : 3 Dec 2000 17:45 Operator: SJT
Sample : 80 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:25 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.00	152	605563	40.00	ng	0.00
22) Naphthalene-d8	11.55	136	2490623	40.00	ng	0.00
39) Acenaphthene-d10	15.07	164	1456312	40.00	ng	0.00
62) Phenanthrene-d10	18.05	188	2671752	40.00	ng	0.00
74) Chrysene-d12	23.39	240	2361572	40.00	ng	0.00
85) Perylene-d12	26.52	264	2192807	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.39	112	1220756	79.81	ng	0.00
6) Phenol-d5	8.41	99	1760455	80.19	ng	0.00
11) 2-Chlorophenol-d4	8.56	132	1409974	80.01	ng	0.00
14) 1,2-Dichlorobenzene-d4	9.32	152	889331	80.03	ng	0.00
24) Nitrobenzene-d5	10.17	82	1507050	80.02	ng	0.00
41) 2,4,6-Tribromophenol	16.69	330	697279	78.97	ng	0.00
44) 2-Fluorobiphenyl	13.76	172	3371584	78.71	ng	0.00
77) Terphenyl-d14	21.30	244	3382727	79.92	ng	0.00
Target Compounds						Qvalue
2) Pyridine	3.13	79	903956	73.22	ng	100
3) n-Nitrosodimethylamine	3.18	74	621876	77.03	ng	100
5) Aniline	8.41	93	1976664	80.29	ng	100
7) 2-Chlorophenol	8.59	128	1290997	79.98	ng	100
8) Benzaldehyde	8.15	77	345096	79.83	ng	100
9) Phenol	8.43	94	2013884	80.15	ng	100
10) bis(2-Chloroethyl)ether	8.59	93	1444820	80.30	ng	100
12) 1,3-Dichlorobenzene	8.89	146	1573174	80.06	ng	100
13) 1,4-Dichlorobenzene	9.04	146	1629930	79.88	ng	100
15) 1,2-Dichlorobenzene	9.35	146	1519773	79.66	ng	100
16) Benzyl Alcohol	9.37	79	1140362	80.88	ng	100
17) 2,2'-oxybis(1-Chloropropan	9.65	45	2239524	80.13	ng	100
18) 2-Methylphenol	9.61	107	1351694	79.52	ng	100
19) Hexachloroethane	9.97	117	894644	80.02	ng	100
20) n-Nitroso-di-n-propylamine	9.92	70	1020382	80.41	ng	100
21) 3+4-Methylphenols	9.94	107	3017713	159.32	ng	100
23) Acetophenone	9.88	105	2011211	80.13	ng	100
25) Nitrobenzene	10.20	77	1586235	79.07	ng	100
26) Isophorone	10.68	82	3392093	79.78	ng	100
27) 2-Nitrophenol	10.83	139	971874	79.95	ng	100
28) 2,4-Dimethylphenol	10.98	122	1179670	79.99	ng	100
29) bis(2-Chloroethoxy)methane	11.17	93	2269857	79.92	ng	100
30) 2,4-Dichlorophenol	11.30	162	1374451	80.93	ng	100

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120302.D Vial: 2
Acq On : 3 Dec 2000 17:45 Operator: SJT
Sample : 80 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:25 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
31) 1,2,4-Trichlorobenzene	11.45	180	1501158	80.12	ng	100
32) Naphthalene	11.58	128	3970774	80.12	ng	100
33) Benzoic acid	11.29	122	992851	76.25	ng	100
34) 4-Chloroaniline	11.76	127	2034108	79.06	ng	100
35) Hexachlorobutadiene	11.86	225	814705	79.70	ng	100
36) Caprolactam	12.59	113	88475m	79.75	ng	
37) 4-Chloro-3-methylphenol	12.77	107	1607051	82.07	ng	100
38) 2-Methylnaphthalene	12.99	142	2817297	79.65	ng	100
40) Hexachlorocyclopentadiene	13.32	237	673997	78.29	ng	100
42) 2,4,6-Trichlorophenol	13.58	196	996744	78.31	ng	100
43) 2,4,5-Trichlorophenol	13.65	196	1171974	78.06	ng	100
45) 1,1'-Biphenyl	13.95	154	2714559	78.80	ng	100
46) 2-Chloronaphthalene	13.96	162	2815668	79.35	ng	100
47) 2-Nitroaniline	14.24	65	1224554	79.07	ng	100
48) Acenaphthylene	14.79	152	3882446	79.35	ng	100
49) Dimethylphthalate	14.64	163	3507743	79.27	ng	100
50) 2,6-Dinitrotoluene	14.79	165	929925	79.29	ng	100
51) Acenaphthene	15.15	154	2598645	78.97	ng	100
52) 3-Nitroaniline	15.09	138	1023525	79.13	ng	100
53) 2,4-Dinitrophenol	15.30	184	519594	80.49	ng	100
54) Dibenzofuran	15.48	168	4455457	79.24	ng	100
55) 4-Nitrophenol	15.48	139	2349582	79.03	ng	100
56) 2,4-Dinitrotoluene	15.57	165	1434362	79.23	ng	100
57) Fluorene	16.18	166	3124774	79.62	ng	100
58) Diethylphthalate	16.06	149	3727650	77.77	ng	100
59) 4-Chlorophenyl-phenylether	16.21	204	1559246	78.60	ng	100
60) 4-Nitroaniline	16.34	138	1365217	79.39	ng	100
61) Azobenzene	16.52	77	4911766	78.30	ng	100
63) 4,6-Dinitro-2-methylphenol	16.37	198	813061	82.46	ng	100
64) n-Nitrosodiphenylamine	16.47	169	2282120	81.13	ng	100
65) 4-Bromophenyl-phenylether	17.18	248	1194959	81.67	ng	100
66) Hexachlorobenzene	17.31	284	1269936	81.32	ng	100
67) Atrazine	17.61	200	926740	81.37	ng	100
68) Pentachlorophenol	17.72	266	783805	81.24	ng	100
69) Phenanthrene	18.10	178	4405497	81.40	ng	100
70) Anthracene	18.20	178	4439834	79.69	ng	100
71) Carbazole	18.58	167	5230646	81.38	ng	100
72) Di-n-butylphthalate	19.31	149	7444400	81.19	ng	100
73) Fluoranthene	20.50	202	4851943	81.46	ng	100
75) Benzidine	20.82	184	741534	81.37	ng	100
76) Pyrene	20.96	202	6391505	79.16	ng	100

12/4/00

0059

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120302.D Vial: 2
Acq On : 3 Dec 2000 17:45 Operator: SJT
Sample : 80 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:25 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
78)	Butylbenzylphthalate	22.32	149	3887733	79.51 ng		100
79)	Benzo(a)anthracene	23.35	228	4089832	79.67 ng		100
80)	3,3'-Dichlorobenzidine	23.35	252	1258208	79.78 ng		100
81)	Chrysene	23.44	228	3622357	79.55 ng		100
82)	Bis(2-ethylhexyl)phthalate	23.45	149	4187872	78.80 ng		100
83)	Di-n-octyl phthalate	24.70	149	9356622	79.69 ng		100
84)	Indeno(1,2,3-cd)pyrene	29.90	276	3828606	79.45 ng	#	86
86)	Benzo(b)fluoranthene	25.57	252	4109400	79.94 ng		100
87)	Benzo(k)fluoranthene	25.65	252	4409815	77.04 ng		100
88)	Benzo(a)pyrene	26.38	252	3940900	78.00 ng		100
89)	Dibenzo(a,h)anthracene	29.99	278	3021544	77.67 ng		100
90)	Benzo(g,h,i)perylene	30.95	276	3121029	77.21 ng		100

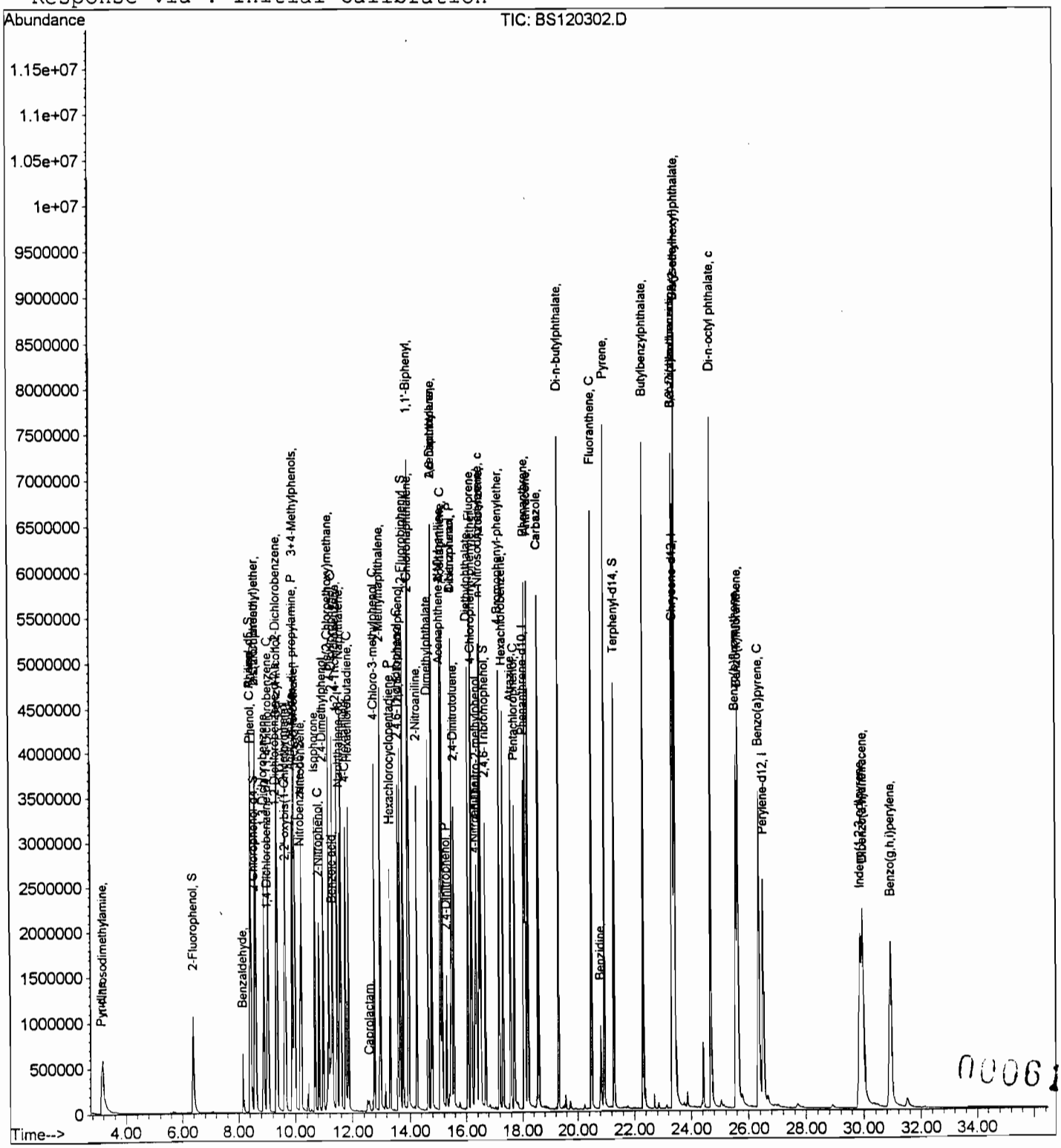
03060

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

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120302.D Vial: 2
Acq On : 3 Dec 2000 17:45 Operator: SJT
Sample : 80 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:25 2000 Quant Results File: BS1203C.RES

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120304.D Vial: 4
Acq On : 3 Dec 2000 19:20 Operator: SJT
Sample : 120 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:28 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.02	152	545985	40.00	ng		0.01
22) Naphthalene-d8	11.56	136	2141764	40.00	ng		0.00
39) Acenaphthene-d10	15.08	164	1331847	40.00	ng		0.01
62) Phenanthrene-d10	18.05	188	2437857	40.00	ng		0.00
74) Chrysene-d12	23.40	240	2050792	40.00	ng		0.01
85) Perylene-d12	26.53	264	1939311	40.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.39	112	1676768	121.58	ng		0.00
6) Phenol-d5	8.42	99	2193953	110.84	ng		0.00
11) 2-Chlorophenol-d4	8.57	132	1733669	109.11	ng		0.00
14) 1,2-Dichlorobenzene-d4	9.33	152	1055041	105.31	ng		0.01
24) Nitrobenzene-d5	10.17	82	1962863	121.20	ng		0.00
41) 2,4,6-Tribromophenol	16.70	330	901296	111.61	ng		0.01
44) 2-Fluorobiphenyl	13.76	172	3987985	101.80	ng		0.00
77) Terphenyl-d14	21.29	244	4026871	109.56	ng		-0.01
Target Compounds							Qvalue
2) Pyridine	3.13	79	1093624	98.25	ng		96
3) n-Nitrosodimethylamine	3.18	74	770892	105.91	ng		98
5) Aniline	8.42	93	2456751	110.69	ng		99
7) 2-Chlorophenol	8.60	128	1657559	113.90	ng		99
8) Benzaldehyde	8.16	77	210730	54.07	ng		97
9) Phenol	8.45	94	2549343	112.53	ng		83
10) bis(2-Chloroethyl)ether	8.60	93	1766665	108.91	ng		97
12) 1,3-Dichlorobenzene	8.88	146	2075556	117.15	ng		98
13) 1,4-Dichlorobenzene	9.05	146	2088311	113.51	ng		98
15) 1,2-Dichlorobenzene	9.35	146	1806813	105.04	ng		98
16) Benzyl Alcohol	9.38	79	1418262	111.57	ng		98
17) 2,2'-oxybis(1-Chloropropan	9.66	45	2839649	112.69	ng		97
18) 2-Methylphenol	9.63	107	1747522	114.03	ng		97
19) Hexachloroethane	9.99	117	1118690	110.98	ng	#	92
20) n-Nitroso-di-n-propylamine	9.94	70	1341508	117.25	ng		99
21) 3+4-Methylphenols	9.96	107	3835650	224.61	ng		98
23) Acetophenone	9.89	105	2468931	114.39	ng		95
25) Nitrobenzene	10.22	77	2086044	120.92	ng		92
26) Isophorone	10.70	82	4288651	117.30	ng		95
27) 2-Nitrophenol	10.85	139	1306703	125.01	ng	#	83
28) 2,4-Dimethylphenol	10.98	122	1527954	120.48	ng		97
29) bis(2-Chloroethoxy)methane	11.18	93	2966922	121.47	ng		100
30) 2,4-Dichlorophenol	11.31	162	1685903	115.44	ng		100

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

Data File : F:\HPCHEM\1\DATA\BS120300\BS120304.D Vial: 4
Acq On : 3 Dec 2000 19:20 Operator: SJT
Sample : 120 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:28 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31) 1,2,4-Trichlorobenzene	11.46	180	1891358	117.38	ng		99
32) Naphthalene	11.59	128	4664415	109.45	ng		99
33) Benzoic acid	11.34	122	1270545	113.47	ng		99
34) 4-Chloroaniline	11.77	127	2350651	106.24	ng		99
35) Hexachlorobutadiene	11.87	225	1010548	114.96	ng		100
36) Caprolactam	12.63	113	107282m	112.45	ng		
37) 4-Chloro-3-methylphenol	12.77	107	2025957	120.32	ng		97
38) 2-Methylnaphthalene	12.99	142	3502761	115.17	ng		99
40) Hexachlorocyclopentadiene	13.32	237	903569	114.76	ng		99
42) 2,4,6-Trichlorophenol	13.60	196	1318558	113.28	ng		94
43) 2,4,5-Trichlorophenol	13.66	196	1428333	104.02	ng	#	93
45) 1,1'-Biphenyl	13.94	154	3365374	106.82	ng		99
46) 2-Chloronaphthalene	13.96	162	3564152	109.83	ng		97
47) 2-Nitroaniline	14.26	65	1612510	113.85	ng		85
48) Acenaphthylene	14.78	152	4810221	107.50	ng		100
49) Dimethylphthalate	14.65	163	4523163	111.77	ng		99
50) 2,6-Dinitrotoluene	14.78	165	1098164	102.39	ng	#	79
51) Acenaphthene	15.15	154	3142613	104.42	ng		99
52) 3-Nitroaniline	15.10	138	1448697	122.47	ng		96
53) 2,4-Dinitrophenol	15.31	184	848067	143.65	ng	#	91
54) Dibenzofuran	15.49	168	5343342	103.91	ng		98
55) 4-Nitrophenol	15.49	139	3019966	111.08	ng		99
56) 2,4-Dinitrotoluene	15.58	165	1822140	110.05	ng		99
57) Fluorene	16.18	166	3849312	107.25	ng		99
58) Diethylphthalate	16.07	149	4720584	107.69	ng		100
59) 4-Chlorophenyl-phenylether	16.20	204	1868542	103.00	ng		92
60) 4-Nitroaniline	16.35	138	1741274	110.73	ng		95
61) Azobenzene	16.53	77	6232090	108.64	ng		95
63) 4,6-Dinitro-2-methylphenol	16.38	198	1108811	123.24	ng		97
64) n-Nitrosodiphenylamine	16.48	169	2913077	113.49	ng		98
65) 4-Bromophenyl-phenylether	17.19	248	1487377	111.41	ng		93
66) Hexachlorobenzene	17.32	284	1622907	113.89	ng	#	88
67) Atrazine	17.60	200	1211085	116.54	ng		96
68) Pentachlorophenol	17.72	266	1069938	121.53	ng		100
69) Phenanthrene	18.11	178	5302501	107.38	ng		99
70) Anthracene	18.21	178	5791228	113.93	ng		98
71) Carbazole	18.57	167	6401942	109.16	ng		100
72) Di-n-butylphthalate	19.32	149	9031348	107.95	ng		100
73) Fluoranthene	20.50	202	6239202	114.80	ng		98
75) Benzidine	20.83	184	735389	92.93	ng		99
76) Pyrene	20.96	202	7945478	113.32	ng		100

12/4/00

03063

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

Data File : F:\HPCHEM\1\DATA\BS120300\BS120304.D Vial: 4
Acq On : 3 Dec 2000 19:20 Operator: SJT
Sample : 120 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:28 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

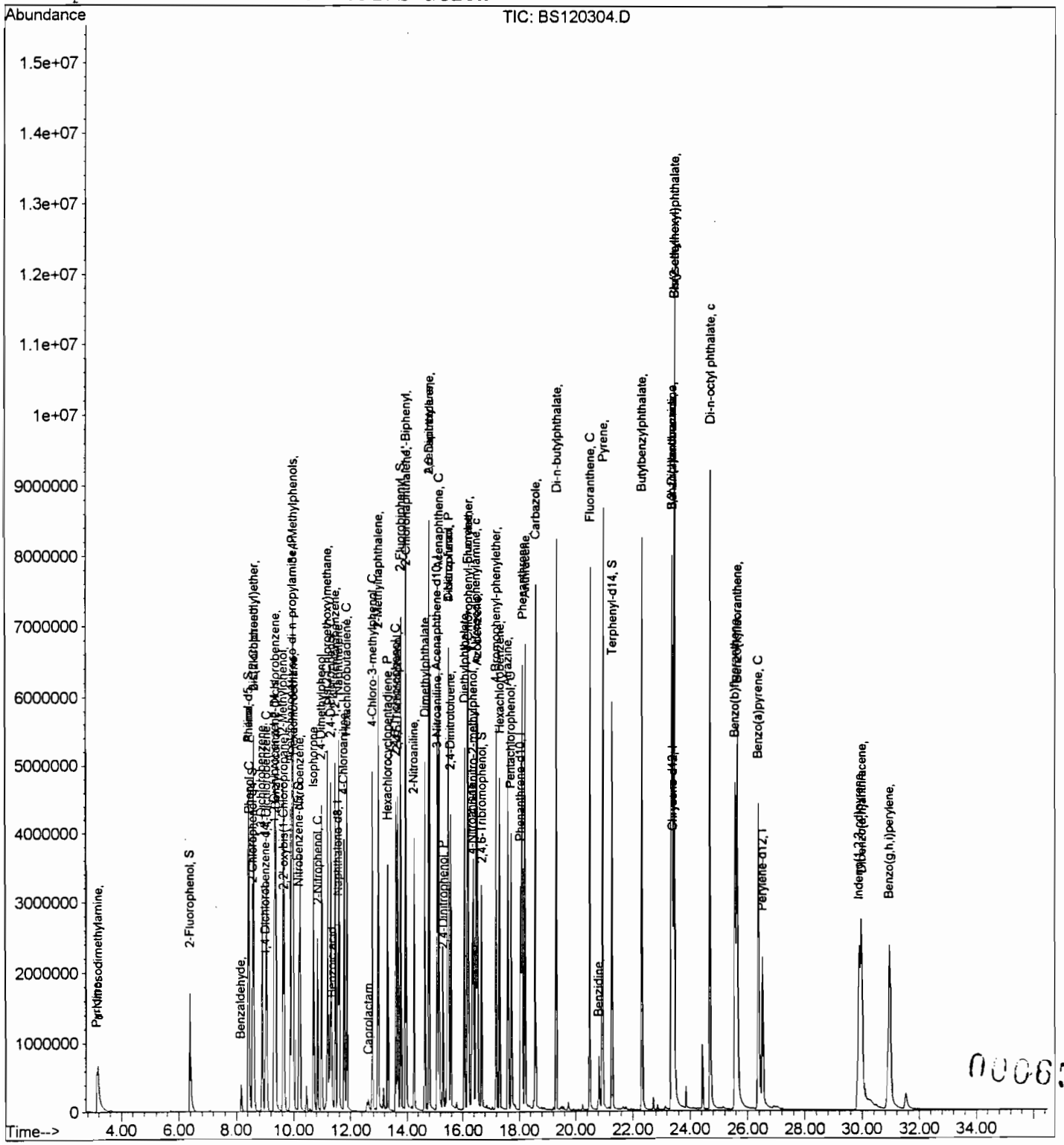
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78)	Butylbenzylphthalate	22.31	149	4885520	115.06	ng		92
79)	Benzo(a)anthracene	23.36	228	5009122	112.36	ng		99
80)	3,3'-Dichlorobenzidine	23.36	252	1367820	99.87	ng		95
81)	Chrysene	23.45	228	4461737	112.83	ng		99
82)	Bis(2-ethylhexyl)phthalate	23.45	149	4748191	102.88	ng		99
83)	Di-n-octyl phthalate	24.70	149	11329130	111.11	ng		99
84)	Indeno(1,2,3-cd)pyrene	29.91	276	5050006	120.68	ng	#	86
86)	Benzo(b)fluoranthene	25.58	252	5331858	117.28	ng		99
87)	Benzo(k)fluoranthene	25.66	252	5644350	111.50	ng		99
88)	Benzo(a)pyrene	26.38	252	5075035	113.57	ng		97
89)	Dibenzo(a,h)anthracene	30.01	278	3945950	114.69	ng		96
90)	Benzo(g,h,i)perylene	30.96	276	4147741	116.02	ng		98

00064

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

Data File : F:\HPCHEM\1\DATA\BS120300\BS120304.D Vial: 4
Acq On : 3 Dec 2000 19:20 Operator: SJT
Sample : 120 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:28 2000 Quant Results File: BS1203C.RES

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration

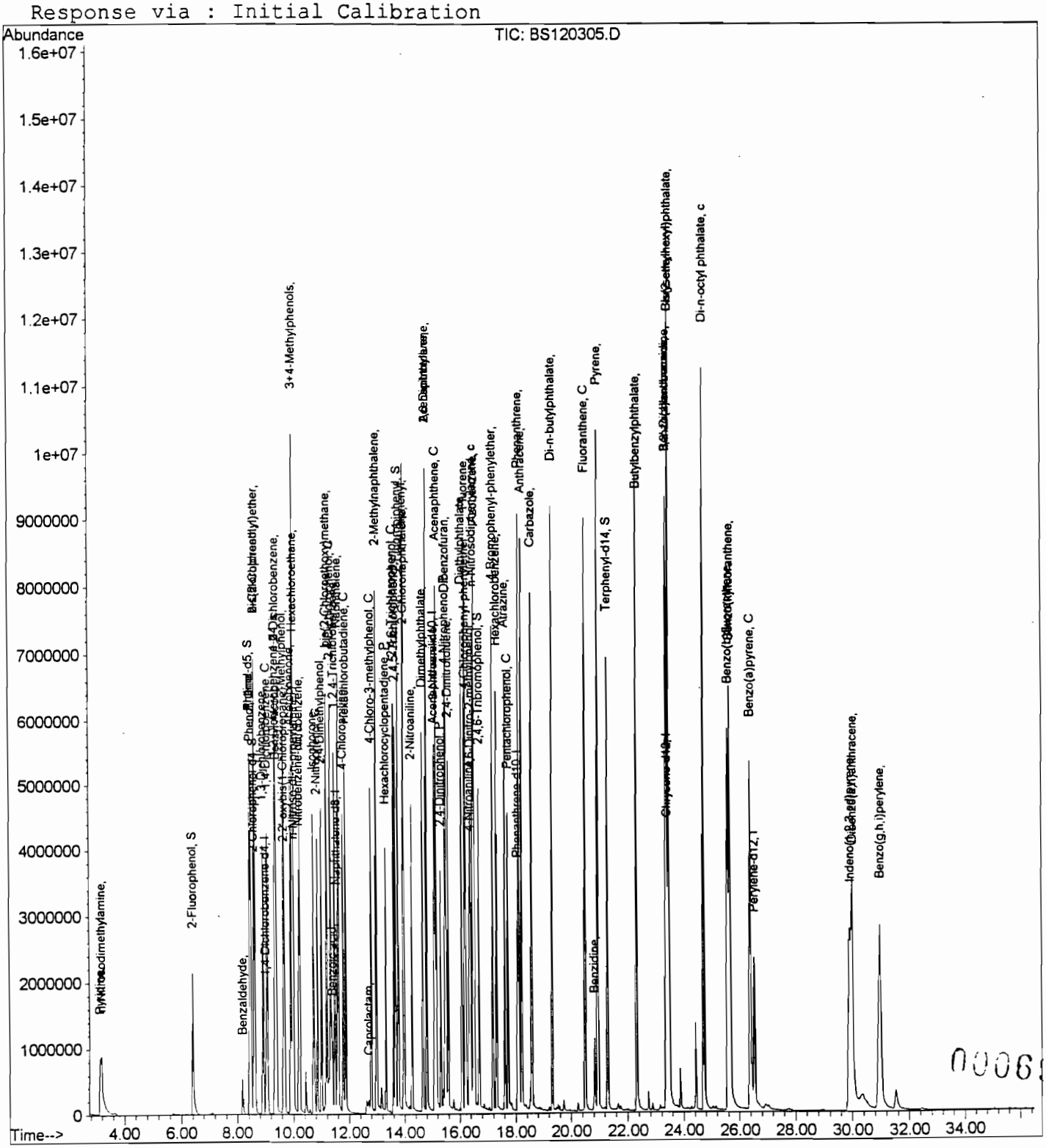


00065

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:33 2000 Quant Results File: BS1203C.RES

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration



00069

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:33 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.00	152	552632	40.00	ng		0.00
22) Naphthalene-d8	11.55	136	2183469	40.00	ng		0.00
39) Acenaphthene-d10	15.08	164	1320828	40.00	ng		0.00
62) Phenanthrene-d10	18.06	188	2511328	40.00	ng		0.01
74) Chrysene-d12	23.40	240	2069502	40.00	ng		0.02
85) Perylene-d12	26.53	264	1950574	40.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.39	112	2150738	154.07	ng		0.00
6) Phenol-d5	8.43	99	2923872	145.93	ng		0.01
11) 2-Chlorophenol-d4	8.57	132	2272841	141.32	ng		0.01
14) 1,2-Dichlorobenzene-d4	9.33	152	1437515	141.76	ng		0.02
24) Nitrobenzene-d5	10.19	82	2718628	164.66	ng		0.02
41) 2,4,6-Tribromophenol	16.70	330	1151144	143.74	ng		0.01
44) 2-Fluorobiphenyl	13.76	172	5104857	131.40	ng		0.00
77) Terphenyl-d14	21.29	244	5249700	141.54	ng		0.00
Target Compounds							Qvalue
2) Pyridine	3.13	79	1520539	134.95	ng		99
3) n-Nitrosodimethylamine	3.18	74	1050702	142.61	ng		91
5) Aniline	8.43	93	3237075	144.09	ng		99
7) 2-Chlorophenol	8.61	128	2173934	147.58	ng		98
8) Benzaldehyde	8.16	77	287414	72.85	ng		95
9) Phenol	8.46	94	3158804	137.75	ng		88
10) bis(2-Chloroethyl)ether	8.61	93	2184256	133.03	ng		93
12) 1,3-Dichlorobenzene	8.89	146	2666374m	148.69	ng		
13) 1,4-Dichlorobenzene	9.05	146	2701857	145.09	ng		97
15) 1,2-Dichlorobenzene	9.35	146	2413754	138.64	ng		96
16) Benzyl Alcohol	9.38	79	1898451	147.55	ng		99
17) 2,2'-oxybis(1-Chloropropan	9.66	45	3588137	140.68	ng		99
18) 2-Methylphenol	9.63	107	2186358	140.95	ng		95
19) Hexachloroethane	9.99	117	1302755	127.69	ng	#	90
20) n-Nitroso-di-n-propylamine	10.01	70	1874468m	161.86	ng		
21) 3+4-Methylphenols	9.97	107	4638574	268.36	ng		93
23) Acetophenone	9.89	105	3489876	158.61	ng		98
25) Nitrobenzene	10.22	77	2519145	143.24	ng		98
26) Isophorone	10.70	82	5883514	157.84	ng		100
27) 2-Nitrophenol	10.85	139	1625430	152.53	ng		92
28) 2,4-Dimethylphenol	10.99	122	2115676	163.64	ng		99
29) bis(2-Chloroethoxy)methane	11.19	93	4191641	168.34	ng		99
30) 2,4-Dichlorophenol	11.32	162	2248880	151.05	ng		98

12/4/00

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:33 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	1,2,4-Trichlorobenzene	11.46	180	2469508	150.34	ng		99
32)	Naphthalene	11.60	128	6263795	144.17	ng		99
33)	Benzoic acid	11.39	122	1798552	157.55	ng		96
34)	4-Chloroaniline	11.78	127	2874045	127.41	ng		95
35)	Hexachlorobutadiene	11.87	225	1336434	149.13	ng		98
36)	Caprolactam	12.69	113	153357m	157.67	ng		
37)	4-Chloro-3-methylphenol	12.77	107	2811954	163.81	ng		93
38)	2-Methylnaphthalene	12.99	142	4348101	140.23	ng		98
40)	Hexachlorocyclopentadiene	13.32	237	1260896	161.48	ng		99
42)	2,4,6-Trichlorophenol	13.60	196	1664065	144.15	ng		97
43)	2,4,5-Trichlorophenol	13.66	196	1831188	134.47	ng		98
45)	1,1'-Biphenyl	13.94	154	4291306	137.35	ng		97
46)	2-Chloronaphthalene	13.98	162	4404548	136.86	ng		99
47)	2-Nitroaniline	14.26	65	1972291	140.41	ng		98
48)	Acenaphthylene	14.80	152	5763096	129.87	ng		100
49)	Dimethylphthalate	14.65	163	5821464	145.05	ng		100
50)	2,6-Dinitrotoluene	14.80	165	1357761	127.65	ng	#	93
51)	Acenaphthene	15.16	154	4218091	141.33	ng		99
52)	3-Nitroaniline	15.10	138	1949773	166.21	ng		98
53)	2,4-Dinitrophenol	15.31	184	1165164	199.01	ng	#	84
54)	Dibenzofuran	15.49	168	6912687	135.55	ng		97
55)	4-Nitrophenol	15.48	139	3845483	142.62	ng		1
56)	2,4-Dinitrotoluene	15.59	165	2500252	152.27	ng		91
57)	Fluorene	16.18	166	4543509	127.64	ng		100
58)	Diethylphthalate	16.07	149	5765492	132.63	ng		97
59)	4-Chlorophenyl-phenylether	16.22	204	2359507	131.15	ng		99
60)	4-Nitroaniline	16.37	138	2315885	148.49	ng		92
61)	Azobenzene	16.53	77	7542286	132.57	ng		98
63)	4,6-Dinitro-2-methylphenol	16.40	198	1512432	163.19	ng		94
64)	n-Nitrosodiphenylamine	16.48	169	3741757	141.51	ng		99
65)	4-Bromophenyl-phenylether	17.19	248	1853647	134.78	ng		97
66)	Hexachlorobenzene	17.32	284	2032389	138.46	ng		96
67)	Atrazine	17.62	200	1476694	137.94	ng		96
68)	Pentachlorophenol	17.73	266	1396468	153.98	ng		99
69)	Phenanthrene	18.11	178	6926897	136.17	ng		100
70)	Anthracene	18.21	178	6975351	133.21	ng		99
71)	Carbazole	18.57	167	8290904	137.23	ng		99
72)	Di-n-butylphthalate	19.32	149	11801239	136.93	ng		99
73)	Fluoranthene	20.50	202	7923937	141.54	ng		98
75)	Benzidine	20.83	184	1006090	125.99	ng		99
76)	Pyrene	20.96	202	9911768	140.08	ng		100

12/4/00

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 4 10:33 2000 Quant Results File: BS1203C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:18:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
78)	Butylbenzylphthalate	22.33	149	6402475	149.43 ng		94
79)	Benzo(a)anthracene	23.37	228	6348983	141.13 ng		99
80)	3,3'-Dichlorobenzidine	23.37	252	1640032	118.67 ng		96
81)	Chrysene	23.45	228	5390972	135.10 ng		99
82)	Bis(2-ethylhexyl)phthalate	23.45	149	5381883	115.55 ng		99
83)	Di-n-octyl phthalate	24.71	149	13940611	135.49 ng		99
84)	Indeno(1,2,3-cd)pyrene	29.94	276	6576141	155.73 ng	#	85
86)	Benzo(b)fluoranthene	25.59	252	7516949	164.39 ng		97
87)	Benzo(k)fluoranthene	25.66	252	6622978	130.08 ng		98
88)	Benzo(a)pyrene	26.40	252	6672748	148.46 ng		95
89)	Dibenzo(a,h)anthracene	30.04	278	5180130	149.69 ng		95
90)	Benzo(g,h,i)perylene	30.99	276	5276063	146.73 ng		97

00068

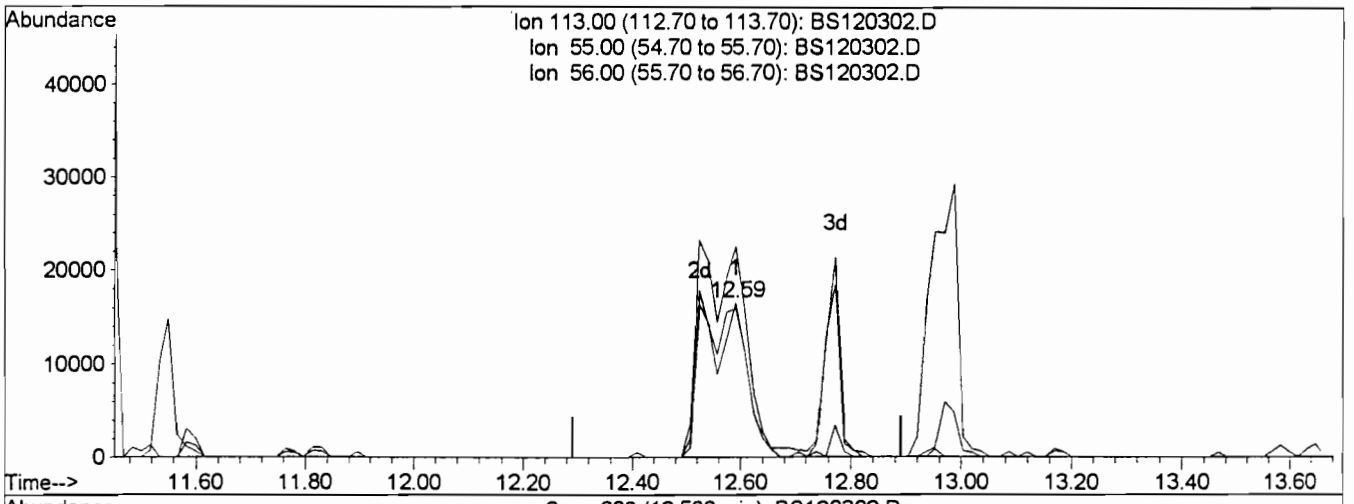
RPT1

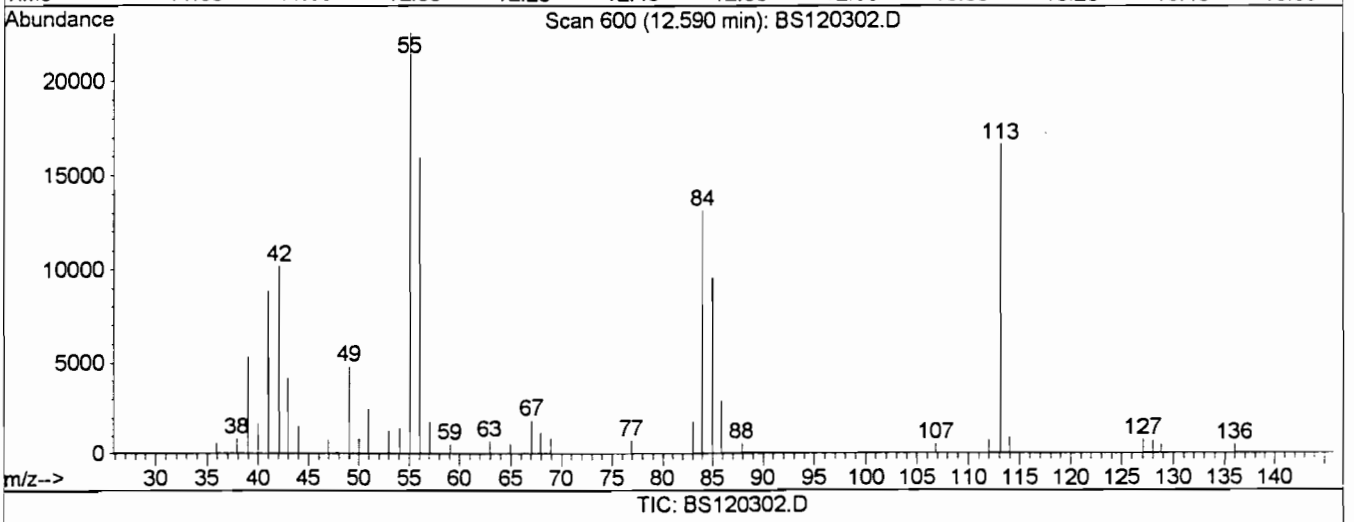
# of range (m) = manual integration
Mon Dec 04 10:39:32 2000

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120302.D Vial: 2
Acq On : 3 Dec 2000 17:45 Operator: SJT
Sample : 80 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MSamnt2gmetiDecPa#am8:25t2000.p Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Single Level Calibration





TIC: BS120302.D

(36) Caprolactam

12.59min 79.75ng m

response 88475

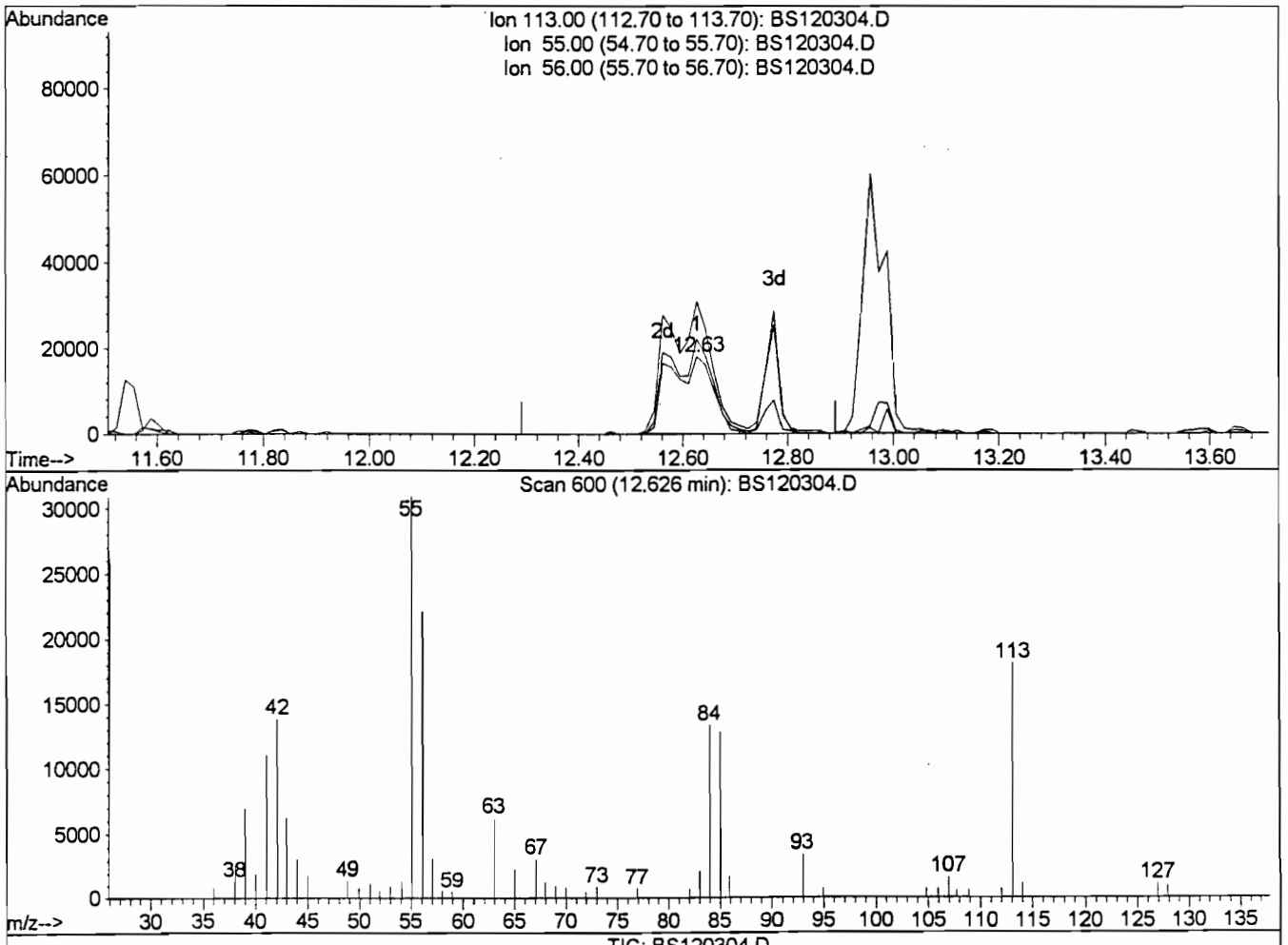
Ion	Exp%	Act%
113.00	100	100
55.00	136.10	136.09
56.00	96.00	95.99
0.00	0.00	0.00

00070

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120304.D Vial: 4
Acq On : 3 Dec 2000 19:20 Operator: SJT
Sample : 120 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
QuantTime: Dec 4 10:28 2000 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Single Level Calibration



TIC: BS120304.D

(36) Caprolactam

12.63min 112.45ng m

response 107282

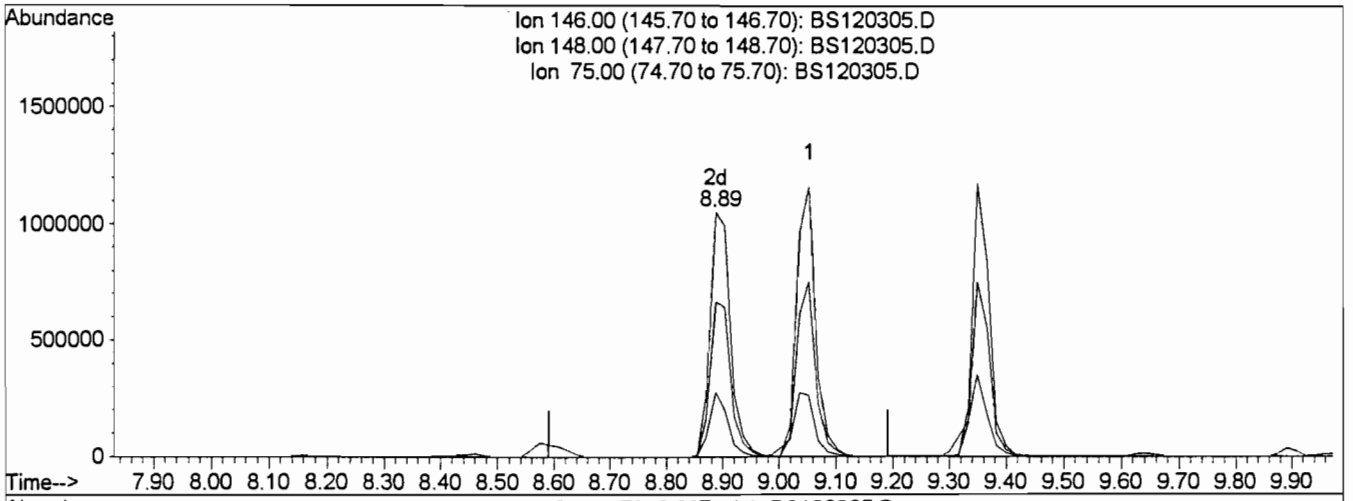
Ion	Exp%	Act%
113.00	100	100
55.00	136.10	171.08
56.00	96.00	122.50
0.00	0.00	0.00

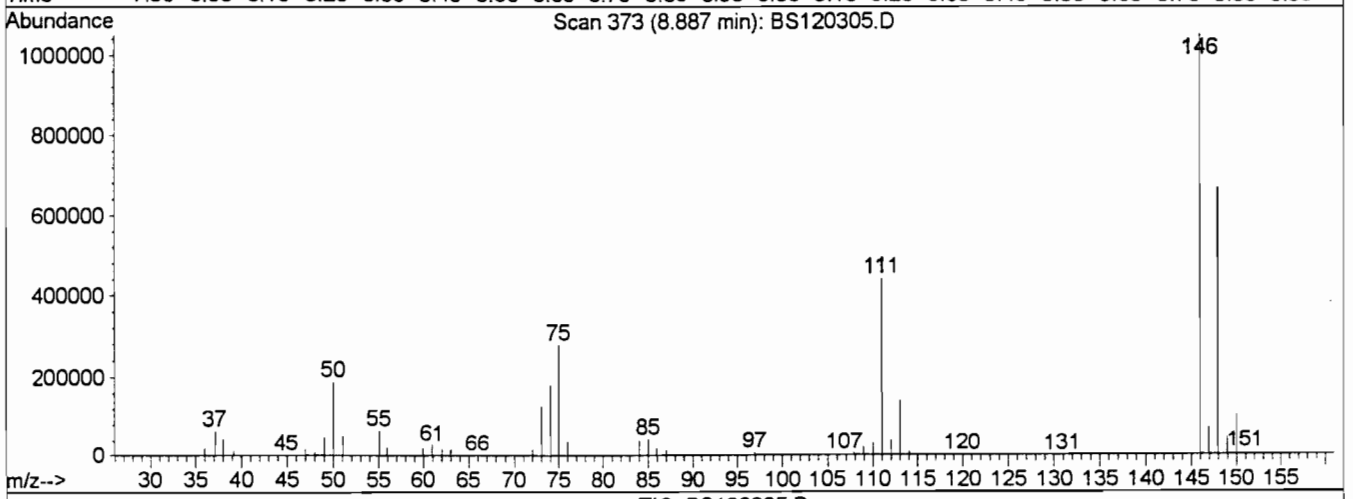
00071

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Single Level Calibration





TIC: BS120305.D

(12) 1,3-Dichlorobenzene

8.89min 148.69ng m

response 2666374

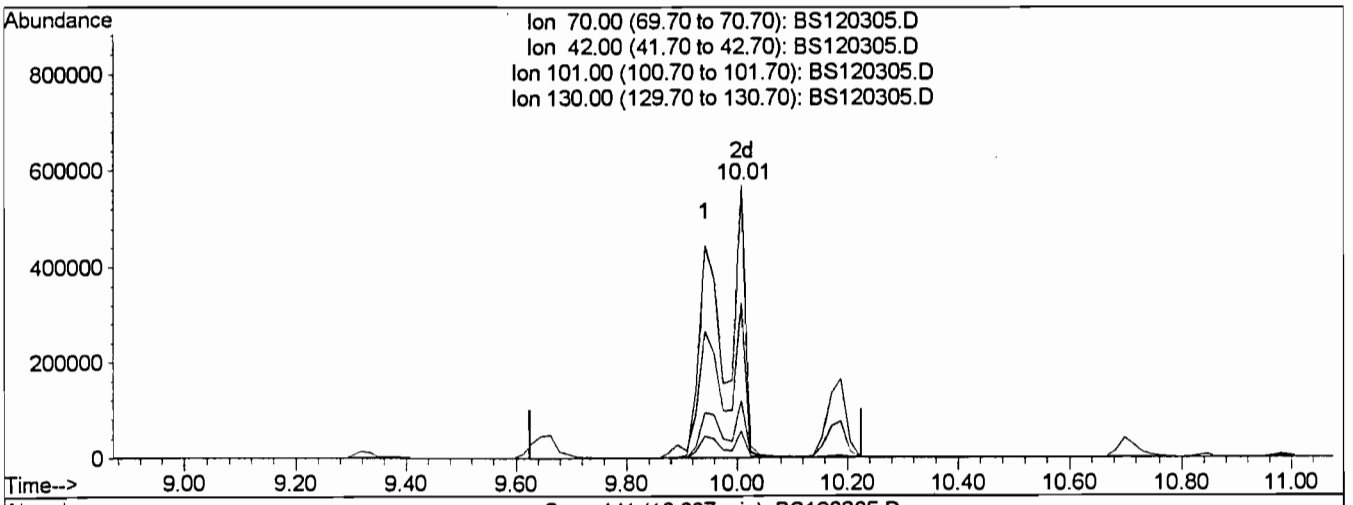
Ion	Exp%	Act%
146.00	100	100
148.00	63.60	63.46
75.00	21.90	26.31#
0.00	0.00	0.00

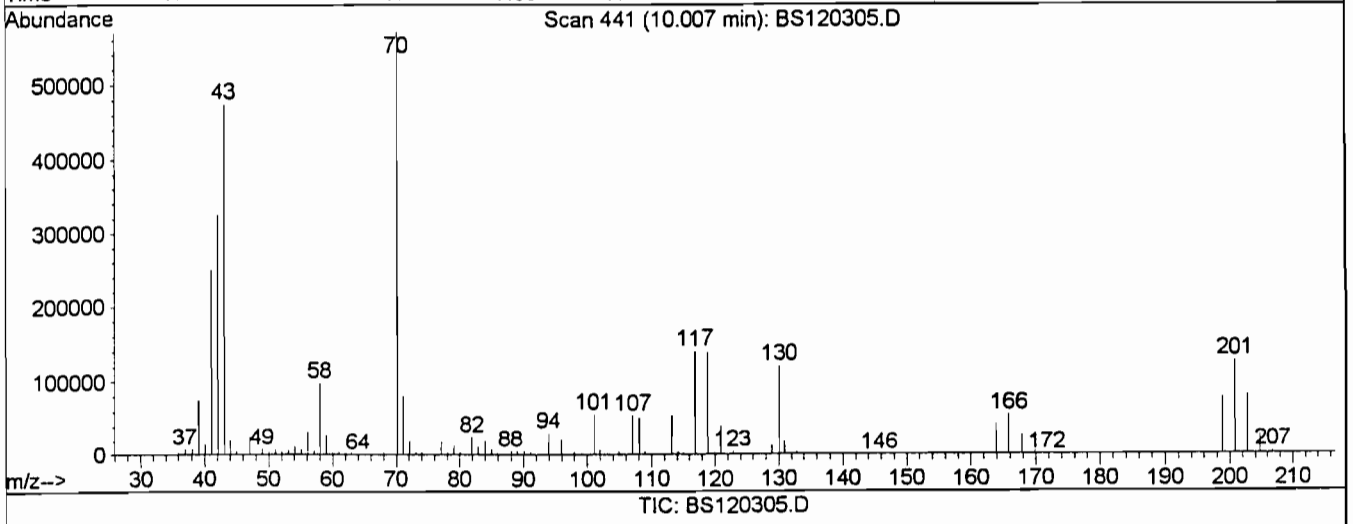
00072

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
MSIntegrationParams: 3t2000.p Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Single Level Calibration





TIC: BS120305.D

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

10.01min 161.86ng m

response 1874468

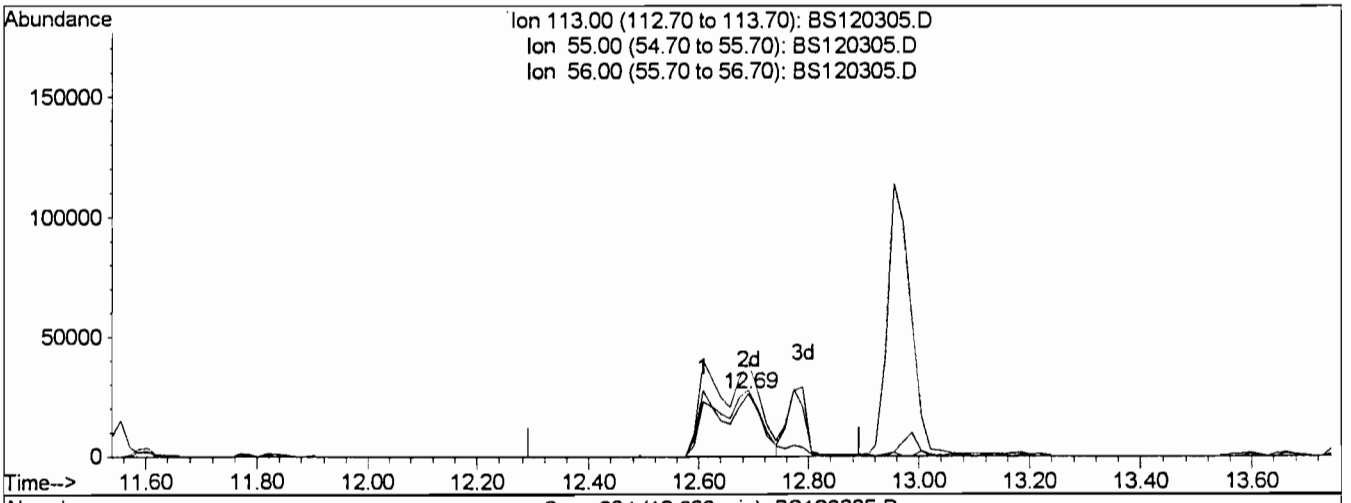
Ion	Exp%	Act%
70.00	100	100
42.00	59.40	56.91
101.00	10.40	9.83
130.00	21.60	20.98

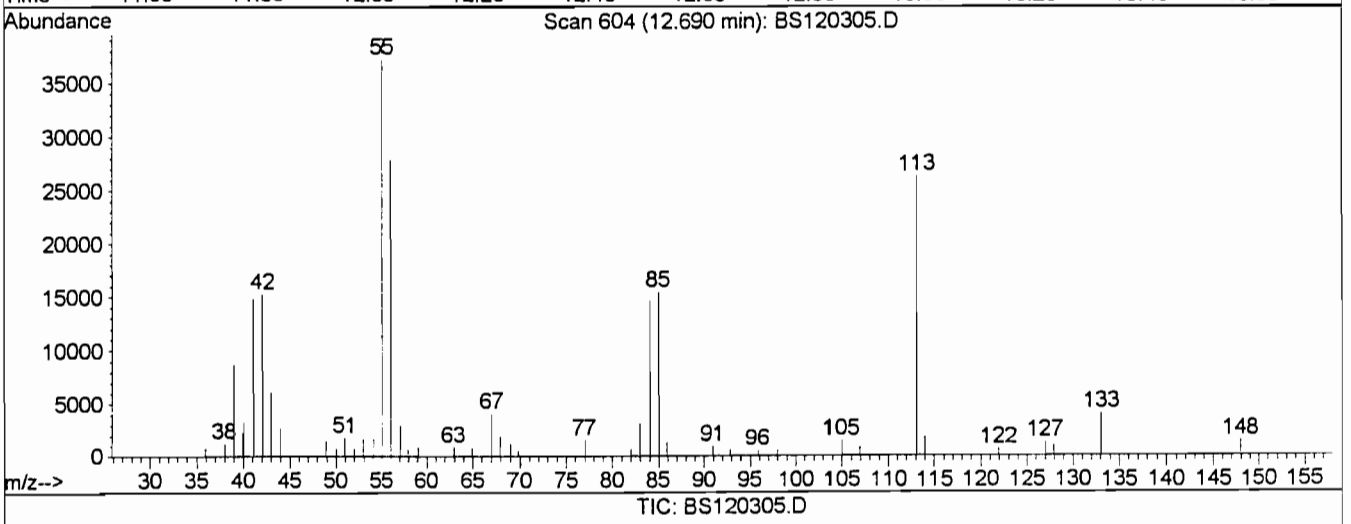
00073

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS120300\BS120305.D Vial: 5
Acq On : 3 Dec 2000 20:07 Operator: SJT
Sample : 160 ng BNA ICC Inst : bn2
Misc : Multiplr: 1.00
[illegible] Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Single Level Calibration





TIC: BS120305.D

(36) Caprolactam

12.69min 157.67ng m

response 153357

Ion	Exp%	Act%
113.00	100	100
55.00	136.10	151.05
56.00	96.00	106.19
0.00	0.00	0.00

00074

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW Location: Group: DW-2

Instrument ID: 5971-S Calibration Date(s): 1/2/01 1/2/01

Calibration Times: 1332 1705

Lab File ID: RRF20 = BS010203.D RRF50 = BS010204.D
RRF80 = BS010202.D RRF120 = BS010205.D RRF160 = BS010206.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD	
bis(2-Chloroethyl)ether	1.308	1.353	1.325	1.258	1.192	1.287	4.9	
1,2-Dichlorobenzene	1.203	1.281	1.255	1.147	1.089	1.195	6.6	
1,3-Dichlorobenzene	1.223	1.344	1.357	1.268	1.235	1.286	4.8	
1,4-Dichlorobenzene	1.174	1.365	1.371	1.265	1.268	1.288	6.4	
2,2'-oxybis(1-Chloropropane)	1.690	1.973	2.129	2.015	2.033	1.968	8.4	
n-Nitroso-di-n-propylamine *	0.856	0.883	0.762	0.661	0.536	0.740	19.4	*
Hexachloroethane	0.604	0.629	0.611	0.549	0.553	0.589	6.1	
Nitrobenzene	0.315	0.352	0.350	0.322	0.319	0.332	5.4	
Isophorone	0.711	0.732	0.768	0.729	0.709	0.730	3.2	
bis(2-Chloroethoxy)methane	0.463	0.520	0.513	0.470	0.444	0.482	6.9	
1,2,4-Trichlorobenzene	0.285	0.311	0.287	0.272	0.235	0.278	9.9	
Naphthalene	0.791	0.826	0.774	0.774	0.695	0.772	6.2	
4-Chloroaniline	0.403	0.418	0.404	0.321	0.245	0.358	20.6	
Hexachlorobutadiene	0.147	0.158	0.152	0.147	0.129	0.147	7.5	
2-Methylnaphthalene	0.595	0.603	0.528	0.485	0.445	0.531	12.9	
Hexachlorocyclopentadiene *	0.154	0.238	0.259	0.245	0.226	0.224	18.4	*
2-Chloronaphthalene	0.871	0.951	0.812	0.754	0.691	0.816	12.4	
2-Nitroaniline	0.278	0.326	0.371	0.339	0.313	0.325	10.5	
Dimethylphthalate	1.056	1.208	1.105	1.023	0.973	1.073	8.3	
Acenaphthylene	1.224	1.388	1.264	1.215	1.094	1.237	8.5	
2,6-Dinitrotoluene	0.262	0.306	0.289	0.273	0.264	0.279	6.7	
3-Nitroaniline	0.291	0.383	0.392	0.349	0.325	0.348	12.0	
Acenaphthene	0.850	0.930	0.863	0.815	0.690	0.829	10.7	
Dibenzofuran	1.371	1.560	1.373	1.230	1.156	1.338	11.6	
2,4-Dinitrotoluene	0.359	0.474	0.482	0.439	0.432	0.437	11.2	
Diethylphthalate	1.060	1.241	1.162	1.068	0.997	1.105	8.7	
4-Chlorophenyl-phenylether	0.506	0.585	0.518	0.481	0.417	0.501	12.1	
Fluorene	1.088	1.181	1.046	0.921	0.853	1.018	12.9	
4-Nitroaniline	0.316	0.441	0.448	0.412	0.390	0.401	13.2	
n-Nitrosodiphenylamine	0.416	0.433	0.412	0.399	0.332	0.398	9.8	
4-Bromophenyl-phenylether	0.215	0.226	0.216	0.204	0.181	0.208	8.3	
Hexachlorobenzene	0.193	0.208	0.215	0.200	0.180	0.199	6.8	
Phenanthrene	0.821	0.810	0.769	0.712	0.651	0.752	9.5	
Anthracene	0.823	0.852	0.782	0.782	0.646	0.777	10.2	
Carbazole	0.842	0.945	0.906	0.863	0.791	0.869	6.8	
Di-n-butylphthalate	1.274	1.306	1.239	1.125	0.927	1.174	13.1	
Fluoranthene	0.892	0.939	0.879	0.880	0.771	0.872	7.1	

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

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RD Location: Group: DW-2

Instrument ID: 5971-S Calibration Date(s): 1/2/01 1/2/01

Calibration Times: 1332 1705

Lab File ID: RRF20 = BS010203.D RRF50 = BS010204.D
RRF80 = BS010202.D RRF120 = BS010205.D RRF160 = BS010206.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Pyrene	1.349	1.439	1.364	1.279	1.220	1.330	6.3
Butylbenzylphthalate	0.653	0.751	0.737	0.711	0.663	0.703	6.2
3,3'-Dichlorobenzidine	0.266	0.278	0.280	0.225	0.210	0.252	12.8
Benzo(a)anthracene	0.826	0.895	0.855	0.823	0.790	0.838	4.7
Chrysene	0.796	0.926	0.861	0.837	0.772	0.838	7.1
Bis(2-Ethylhexyl)phthalate	0.845	0.977	0.866	0.854	0.741	0.857	9.8
Di-n-octyl phthalate	1.471	1.763	1.520	1.565	1.418	1.548	8.6
Benzo(b)fluoranthene	0.831	0.955	0.971	1.000	0.933	0.938	6.9
Benzo(k)fluoranthene	0.937	1.051	0.919	0.914	0.800	0.924	9.6
Benzo(a)pyrene	0.799	0.940	0.894	0.919	0.836	0.878	6.7
Indeno(1,2,3-cd)pyrene	0.703	0.895	0.900	0.901	0.852	0.850	10.0
Dibenzo(a,h)anthracene	0.608	0.739	0.715	0.720	0.650	0.686	8.0
Benzo(g,h,i)perylene	0.641	0.757	0.751	0.755	0.680	0.717	7.5
Nitrobenzene-d5	0.296	0.336	0.328	0.325	0.302	0.317	5.5
2-Fluorobiphenyl	1.090	1.165	1.094	0.998	0.872	1.044	10.8
Terphenyl-d14	0.678	0.734	0.716	0.704	0.655	0.697	4.5

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

00076

Response Factor Report bn2

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration

Calibration Files
80 =BS010202.D 20 =BS010203.D 50 =BS010204.D
120 =BS010205.D 160 =BS010206.D

		Compound	80	20	50	120	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)		Pyridine	1.047	0.734	0.915	0.946	0.940	0.916	12.42
3)		n-Nitrosodimethylamin	0.705	0.560	0.628	0.645	0.635	0.635	8.14
4)	S	2-Fluorophenol	1.115	0.904	1.055	1.042	1.034	1.030	7.51
5)		Aniline	1.910	1.722	1.915	1.814	1.846	1.841	4.31
6)	S	Phenol-d5	1.588	1.431	1.603	1.523	1.558	1.540	4.45
7)		2-Chlorophenol	1.097	1.056	1.136	1.046	1.021	1.071	4.25
8)		Benzaldehyde	0.668	0.327	0.563	0.194	0.279	0.406	49.35
9)	C	Phenol	1.869	1.706	1.870	1.747	1.737	1.786	4.37
10)		bis(2-Chloroethyl)eth	1.325	1.308	1.352	1.258	1.192	1.287	4.93
11)	S	2-Chlorophenol-d4	1.253	1.132	1.178	1.170	1.104	1.167	4.85
12)		1,3-Dichlorobenzene	1.357	1.223	1.344	1.268	1.235	1.286	4.80
13)	C	1,4-Dichlorobenzene	1.371	1.174	1.365	1.265	1.268	1.288	6.35
14)	s	1,2-Dichlorobenzene-d	0.738	0.667	0.700	0.657	0.621	0.677	6.55
15)		1,2-Dichlorobenzene	1.255	1.203	1.281	1.147	1.089	1.195	6.55
16)		Benzyl Alcohol	1.105	0.874	1.049	1.003	1.053	1.017	8.61
17)		2,2'-oxybis(1-Chlorop	2.129	1.690	1.973	2.015	2.033	1.968	8.42
18)		2-Methylphenol	1.144	1.080	1.095	1.067	1.063	1.090	3.02
19)		Hexachloroethane	0.611	0.604	0.629	0.549	0.553	0.589	6.13
20)	P	n-Nitroso-di-n-propyl	0.762	0.856	0.883	0.661	0.536	0.740	19.39
21)		3+4-Methylphenols	1.201	1.173	1.296	1.118	1.133	1.184	5.95
22)	I	Naphthalene-d8	----------ISTD----------						
23)		Acetophenone	0.393	0.362	0.402	0.367	0.354	0.376	5.60
24)	S	Nitrobenzene-d5	0.328	0.296	0.336	0.325	0.302	0.317	5.48
25)		Nitrobenzene	0.350	0.315	0.352	0.322	0.319	0.332	5.38
26)		Isophorone	0.768	0.711	0.731	0.729	0.709	0.730	3.24
27)	C	2-Nitrophenol	0.206	0.178	0.211	0.201	0.182	0.195	7.50
28)		2,4-Dimethylphenol	0.247	0.244	0.256	0.251	0.234	0.247	3.40
29)		bis(2-Chloroethoxy)me	0.512	0.463	0.520	0.470	0.443	0.482	6.87
30)	C	2,4-Dichlorophenol	0.251	0.261	0.269	0.256	0.228	0.253	6.21
31)		1,2,4-Trichlorobenzen	0.287	0.285	0.311	0.272	0.235	0.278	9.94
32)		Naphthalene	0.774	0.791	0.825	0.774	0.695	0.772	6.22
33)		Benzoic acid	0.176	0.101	0.158	0.190	0.185	0.162	22.25
34)		4-Chloroaniline	0.404	0.403	0.418	0.321	0.245	0.358	20.60
35)	C	Hexachlorobutadiene	0.152	0.147	0.158	0.147	0.129	0.147	7.46
36)		Caprolactam	0.016	0.012	0.015	0.015	0.015	0.015	9.26
37)	C	4-Chloro-3-methylphen	0.288	0.252	0.291	0.271	0.262	0.273	6.12
38)		2-Methylnaphthalene	0.528	0.595	0.603	0.485	0.445	0.531	12.93
39)	I	Acenaphthene-d10	----------ISTD----------						
40)	P	Hexachlorocyclopentad	0.259	0.154	0.238	0.245	0.226	0.224	18.36
41)	S	2,4,6-Tribromophenol	0.225	0.175	0.227	0.202	0.188	0.203	11.12
42)	C	2,4,6-Trichlorophenol	0.354	0.309	0.358	0.334	0.292	0.329	8.73

08077

(#) = Out of Range

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration

Calibration Files
80 =BS010202.D 20 =BS010203.D 50 =BS010204.D
120 =BS010205.D 160 =BS010206.D

		Compound	80	20	50	120	160	Avg	%RSD
43)		2,4,5-Trichlorophenol	0.408	0.355	0.420	0.357	0.323	0.373	10.81
44)	S	2-Fluorobiphenyl	1.094	1.090	1.165	0.998	0.872	1.044	10.83
45)		1,1'-Biphenyl	0.778	0.916	0.973	0.740	0.680	0.817	15.03
46)		2-Chloronaphthalene	0.812	0.871	0.951	0.753	0.691	0.816	12.37
47)		2-Nitroaniline	0.371	0.278	0.326	0.339	0.313	0.325	10.45
48)		Acenaphthylene	1.264	1.224	1.388	1.215	1.094	1.237	8.55
49)		Dimethylphthalate	1.105	1.056	1.208	1.023	0.973	1.073	8.33
50)		2,6-Dinitrotoluene	0.289	0.262	0.306	0.272	0.264	0.279	6.73
51)	C	Acenaphthene	0.862	0.850	0.929	0.815	0.690	0.829	10.66
52)		3-Nitroaniline	0.392	0.291	0.383	0.349	0.325	0.348	11.97
53)	P	2,4-Dinitrophenol	0.279	0.147	0.248	0.272	0.270	0.243	22.57
54)		Dibenzofuran	1.373	1.371	1.560	1.230	1.155	1.338	11.61
55)	P	4-Nitrophenol	0.694	0.591	0.718	0.612	0.605	0.644	8.95
56)		2,4-Dinitrotoluene	0.482	0.359	0.474	0.438	0.432	0.437	11.16
57)		Fluorene	1.046	1.088	1.181	0.921	0.853	1.018	12.89
58)		Diethylphthalate	1.161	1.060	1.241	1.067	0.997	1.105	8.68
59)		4-Chlorophenyl-phenyl	0.518	0.506	0.585	0.481	0.417	0.501	12.14
60)		4-Nitroaniline	0.448	0.316	0.441	0.412	0.390	0.401	13.22
61)		Azobenzene	1.662	1.237	1.559	1.437	1.420	1.463	10.94
62)	I	Phenanthrene-d10	----------ISTD----------						
63)		4,6-Dinitro-2-methylp	0.179	0.132	0.171	0.166	0.149	0.159	11.88
64)	c	n-Nitrosodiphenylamin	0.412	0.415	0.433	0.399	0.332	0.398	9.83
65)		4-Bromophenyl-phenyle	0.216	0.215	0.226	0.204	0.181	0.208	8.25
66)		Hexachlorobenzene	0.215	0.193	0.208	0.200	0.180	0.199	6.80
67)		Atrazine	0.164	0.154	0.165	0.161	0.140	0.157	6.43
68)	C	Pentachlorophenol	0.160	0.126	0.154	0.152	0.140	0.147	9.20
69)		Phenanthrene	0.768	0.821	0.810	0.712	0.651	0.752	9.46
70)		Anthracene	0.781	0.823	0.852	0.782	0.646	0.777	10.17
71)		Carbazole	0.906	0.842	0.944	0.862	0.791	0.869	6.77
72)		Di-n-butylphthalate	1.239	1.274	1.306	1.125	0.927	1.174	13.14
73)	C	Fluoranthene	0.879	0.892	0.939	0.880	0.771	0.872	7.08
74)	I	Chrysene-d12	----------ISTD----------						
75)		Benzidine	0.187	0.089	0.192	0.125	0.135	0.146	29.84
76)		Pyrene	1.364	1.349	1.439	1.278	1.220	1.330	6.30
77)	S	Terphenyl-d14	0.716	0.678	0.734	0.704	0.655	0.697	4.46
78)		Butylbenzylphthalate	0.737	0.653	0.751	0.711	0.663	0.703	6.22
79)		Benzo(a)anthracene	0.855	0.826	0.895	0.823	0.790	0.838	4.73
80)		3,3'-Dichlorobenzidin	0.280	0.266	0.278	0.225	0.210	0.252	12.79
81)		Chrysene	0.861	0.796	0.926	0.837	0.772	0.839	7.15
82)		Bis(2-ethylhexyl)phth	0.866	0.845	0.977	0.854	0.741	0.857	9.79
83)	c	Di-n-octyl phthalate	1.520	1.471	1.763	1.565	1.418	1.548	8.56
84)		Indeno(1,2,3-cd)pyren	0.900	0.703	0.895	0.901	0.852	0.850	9.98
85)	I	Perylene-d12	----------ISTD----------						

A0078

(#) = Out of Range

Response Factor Report bn2

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration

Calibration Files
80 =BS010202.D 20 =BS010203.D 50 =BS010204.D
120 =BS010205.D 160 =BS010206.D

		Compound	80	20	50	120	160	Avg	%RSD
86)		Benzo(b)fluoranthene	0.971	0.831	0.955	1.000	0.933	0.938	6.89
87)		Benzo(k)fluoranthene	0.919	0.937	1.051	0.914	0.800	0.924	9.65
88)	C	Benzo(a)pyrene	0.894	0.799	0.940	0.919	0.836	0.878	6.67
89)		Dibenzo(a,h)anthracen	0.715	0.608	0.739	0.720	0.650	0.686	8.01
90)		Benzo(g,h,i)perylene	0.751	0.641	0.757	0.755	0.680	0.717	7.46

00079

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010203.D Vial: 3
Acq On : 2 Jan 2001 14:25 Operator: SJT
Sample : 20 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:20 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.11	152	774494	40.00	ng		0.00
22) Naphthalene-d8	11.83	136	3142249	40.00	ng		0.00
39) Acenaphthene-d10	15.63	164	1987768	40.00	ng		0.00
62) Phenanthrene-d10	18.83	188	3597114	40.00	ng		0.00
74) Chrysene-d12	24.57	240	3330922	40.00	ng		-0.03
85) Perylene-d12	27.76	264	3078636	40.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	6.36	112	349992	16.12	ng		0.00
6) Phenol-d5	8.49	99	554011	17.45	ng		-0.03
11) 2-Chlorophenol-d4	8.65	132	438432	18.02	ng		0.00
14) 1,2-Dichlorobenzene-d4	9.44	152	258440	18.07	ng		0.00
24) Nitrobenzene-d5	10.35	82	465290	18.11	ng		-0.01
41) 2,4,6-Tribromophenol	17.34	330	173803	15.60	ng		-0.02
44) 2-Fluorobiphenyl	14.20	172	1082855	19.61	ng		-0.02
77) Terphenyl-d14	22.33	244	1129190	18.83	ng		-0.01
Target Compounds							Qvalue
2) Pyridine	3.06	79	284135	12.91	ng		97
3) n-Nitrosodimethylamine	3.07	74	216957	15.44	ng		95
5) Aniline	8.47	93	666896	18.08	ng		98
7) 2-Chlorophenol	8.68	128	409122	19.24	ng		92
8) Benzaldehyde	8.21	77	126556	9.79	ng		98
9) Phenol	8.52	94	660490	18.34	ng		96
10) bis(2-Chloroethyl)ether	8.67	93	506470	19.21	ng		97
12) 1,3-Dichlorobenzene	8.98	146	473762m	18.04	ng		
13) 1,4-Dichlorobenzene	9.14	146	454544	17.12	ng		93
15) 1,2-Dichlorobenzene	9.47	146	465903	19.04	ng		97
16) Benzyl Alcohol	9.49	79	338575	16.01	ng		96
17) 2,2'-oxybis(1-Chloropropan	9.80	45	654427	15.90	ng		88
18) 2-Methylphenol	9.79	107	418269	18.73	ng		96
19) Hexachloroethane	10.13	117	233855	19.76	ng		96
20) n-Nitroso-di-n-propylamine	10.08	70	331356	22.47	ng		94
21) 3+4-Methylphenols	10.12	107	908776	38.96	ng		95
23) Acetophenone	10.04	105	567996	18.04	ng		97
25) Nitrobenzene	10.38	77	494238	17.83	ng		98
26) Isophorone	10.89	82	1117196	18.39	ng		98
27) 2-Nitrophenol	11.07	139	279628	17.29	ng	#	84
28) 2,4-Dimethylphenol	11.22	122	383860	19.87	ng		97
29) bis(2-Chloroethoxy)methane	11.43	93	727703	18.07	ng		99
30) 2,4-Dichlorophenol	11.58	162	410507	21.02	ng		97
31) 1,2,4-Trichlorobenzene	11.73	180	448335	19.81	ng		96

1/3/01

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010203.D Vial: 3
Acq On : 2 Jan 2001 14:25 Operator: SJT
Sample : 20 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:20 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32) Naphthalene	11.86	128	1243117	20.39	ng		99
33) Benzoic acid	11.47	122	159448	11.26	ng		95
34) 4-Chloroaniline	12.07	127	632673	19.96	ng		97
35) Hexachlorobutadiene	12.17	225	230556	19.28	ng		95
36) Caprolactam	12.82	113	19607m	15.36	ng		
37) 4-Chloro-3-methylphenol	13.16	107	395483	17.81	ng		94
38) 2-Methylnaphthalene	13.36	142	934976	22.01	ng		97
40) Hexachlorocyclopentadiene	13.74	237	152958	11.90	ng		98
42) 2,4,6-Trichlorophenol	14.03	196	306688	17.35	ng		94
43) 2,4,5-Trichlorophenol	14.10	196	352570	17.47	ng		98
45) 1,1'-Biphenyl	14.40	154	910544	23.47	ng		98
46) 2-Chloronaphthalene	14.41	162	865694	21.25	ng		97
47) 2-Nitroaniline	14.73	65	276318	14.96	ng		89
48) Acenaphthylene	15.30	152	1216208	19.29	ng		99
49) Dimethylphthalate	15.17	163	1049224	19.08	ng		98
50) 2,6-Dinitrotoluene	15.30	165	260250	18.13	ng	#	69
51) Acenaphthene	15.70	154	844980	19.80	ng		99
52) 3-Nitroaniline	15.63	138	288927	14.88	ng		87
53) 2,4-Dinitrophenol	15.88	184	146210	10.75	ng		99
54) Dibenzofuran	16.06	168	1362147	19.96	ng		95
55) 4-Nitrophenol	16.06	139	587360	17.21	ng		94
56) 2,4-Dinitrotoluene	16.16	165	356785	14.84	ng	#	87
57) Fluorene	16.80	166	1081185	21.05	ng		100
58) Diethylphthalate	16.69	149	1053273	18.03	ng		98
59) 4-Chlorophenyl-phenylether	16.83	204	503137	19.48	ng		98
60) 4-Nitroaniline	16.97	138	314157	14.09	ng		93
61) Azobenzene	17.18	77	1229468	14.80	ng		96
63) 4,6-Dinitro-2-methylphenol	17.02	198	236656	15.08	ng		88
64) n-Nitrosodiphenylamine	17.13	169	747247	20.56	ng		100
65) 4-Bromophenyl-phenylether	17.89	248	386647	20.30	ng		97
66) Hexachlorobenzene	18.02	284	347240	18.29	ng		94
67) Atrazine	18.35	200	276324	18.88	ng		97
68) Pentachlorophenol	18.48	266	226849	16.13	ng		96
69) Phenanthrene	18.88	178	1477064	21.63	ng		98
70) Anthracene	18.98	178	1480835	20.66	ng		98
71) Carbazole	19.39	167	1515003	18.85	ng		98
72) Di-n-butylphthalate	20.21	149	2291486	20.77	ng		100
73) Fluoranthene	21.44	202	1605079	20.69	ng		98
75) Benzidine	21.84	184	148697	9.37	ng		97
76) Pyrene	21.94	202	2247180	19.60	ng		99
78) Butylbenzylphthalate	23.44	149	1086763	17.60	ng		97
79) Benzo(a)anthracene	24.54	228	1376008	19.21	ng		99

1/3/01

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

00081

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010203.D Vial: 3
Acq On : 2 Jan 2001 14:25 Operator: SJT
Sample : 20 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:20 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

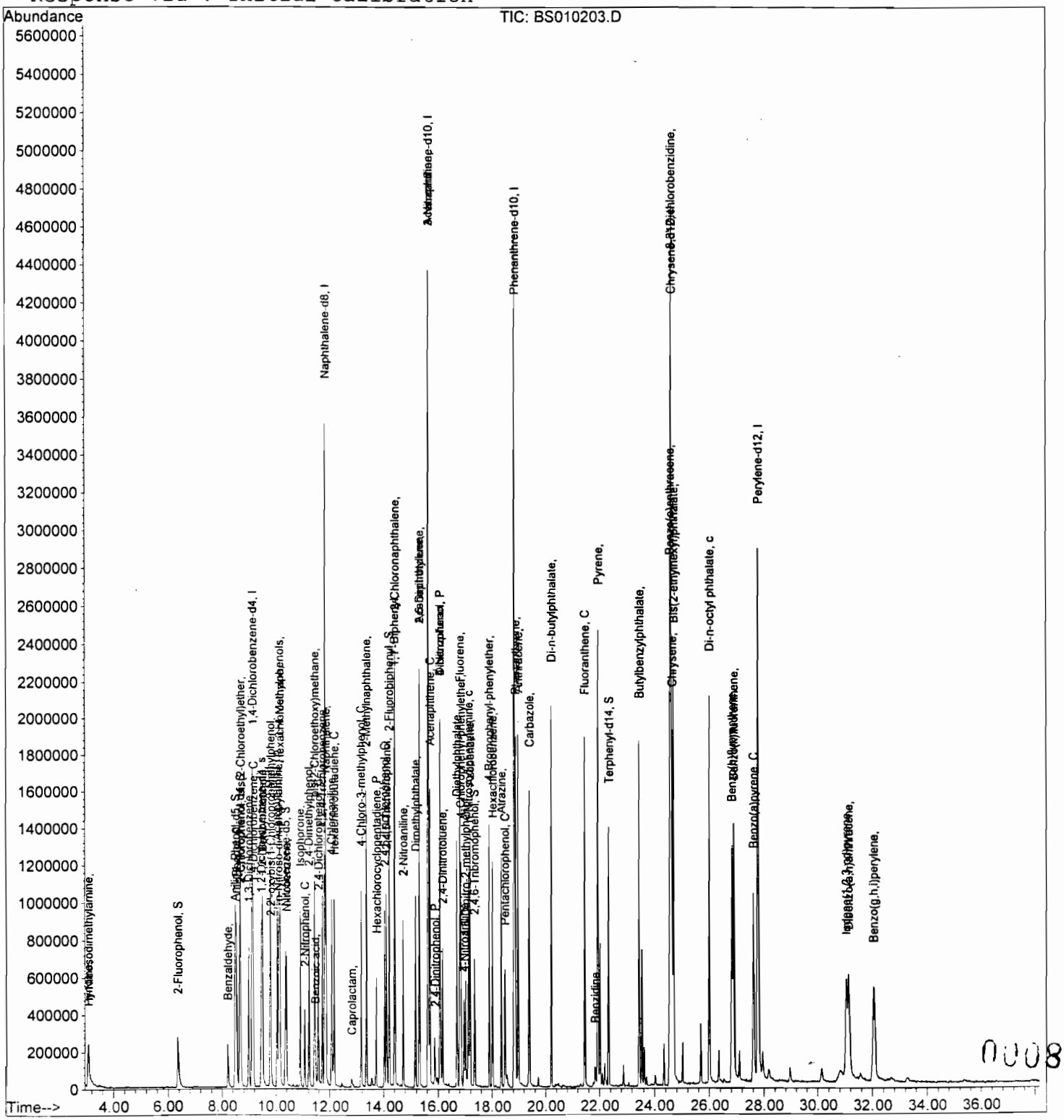
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
80)	3,3'-Dichlorobenzidine	24.55	252	442646	18.93	ng		98
81)	Chrysene	24.62	228	1326448	18.31	ng		98
82)	Bis(2-ethylhexyl)phthalate	24.67	149	1407350	19.19	ng	#	99
83)	Di-n-octyl phthalate	25.99	149	2450220	19.33	ng	#	95
84)	Indeno(1,2,3-cd)pyrene	31.04	276	1170105	15.65	ng		94
86)	Benzo(b)fluoranthene	26.81	252	1279113	17.36	ng		97
87)	Benzo(k)fluoranthene	26.88	252	1442602	20.09	ng		98
88)	Benzo(a)pyrene	27.60	252	1230442	17.49	ng		99
89)	Dibenzo(a,h)anthracene	31.12	278	936089	16.85	ng		95
90)	Benzo(g,h,i)perylene	32.04	276	986829	16.36	ng		99

00082

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

Data File : F:\HPCHEM\1\DATA\BS010200\BS010203.D Vial: 3
Acq On : 2 Jan 2001 14:25 Operator: SJT
Sample : 20 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:20 2001 Quant Results File: BS0102C.RES

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration



00083

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010204.D Vial: 4
Acq On : 2 Jan 2001 15:17 Operator: SJT
Sample : 50 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:21 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.11	152	854807	40.00	ng		0.00
22) Naphthalene-d8	11.83	136	3522632	40.00	ng		0.00
39) Acenaphthene-d10	15.63	164	2055239	40.00	ng		0.00
62) Phenanthrene-d10	18.82	188	4043345	40.00	ng		-0.01
74) Chrysene-d12	24.59	240	3522141	40.00	ng		-0.02
85) Perylene-d12	27.78	264	3446082	40.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.35	112	1127096	47.02	ng		0.00
6) Phenol-d5	8.50	99	1712611	48.86	ng		-0.02
11) 2-Chlorophenol-d4	8.65	132	1258426	46.87	ng		0.00
14) 1,2-Dichlorobenzene-d4	9.44	152	747651	47.36	ng		0.00
24) Nitrobenzene-d5	10.35	82	1479646	51.36	ng		-0.01
41) 2,4,6-Tribromophenol	17.36	330	583396	50.65	ng		0.00
44) 2-Fluorobiphenyl	14.21	172	2992741	52.42	ng		0.00
77) Terphenyl-d14	22.33	244	3230098	50.95	ng		-0.02
Target Compounds							Qvalue
2) Pyridine	3.02	79	977933	40.26	ng		95
3) n-Nitrosodimethylamine	3.07	74	670857	43.25	ng		97
5) Aniline	8.48	93	2046118	50.27	ng		97
7) 2-Chlorophenol	8.68	128	1213911	51.73	ng		95
8) Benzaldehyde	8.20	77	601174	42.15	ng		97
9) Phenol	8.53	94	1998555	50.28	ng		98
10) bis(2-Chloroethyl)ether	8.66	93	1445118	49.67	ng		99
12) 1,3-Dichlorobenzene	8.98	146	1435855	49.54	ng		97
13) 1,4-Dichlorobenzene	9.14	146	1458814	49.78	ng		98
15) 1,2-Dichlorobenzene	9.47	146	1368563	50.67	ng		95
16) Benzyl Alcohol	9.51	79	1120543	47.99	ng		99
17) 2,2'-oxybis(1-Chloropropan	9.80	45	2107959	46.39	ng		94
18) 2-Methylphenol	9.79	107	1169883	47.47	ng		98
19) Hexachloroethane	10.15	117	671776	51.42	ng	#	89
20) n-Nitroso-di-n-propylamine	10.10	70	943946	57.99	ng		97
21) 3+4-Methylphenols	10.13	107	2768676	107.56	ng		94
23) Acetophenone	10.05	105	1770686	50.15	ng		97
25) Nitrobenzene	10.39	77	1548355	49.83	ng		98
26) Isophorone	10.91	82	3220804	47.28	ng		100
27) 2-Nitrophenol	11.07	139	927465	51.17	ng		91
28) 2,4-Dimethylphenol	11.23	122	1128099	52.08	ng		97
29) bis(2-Chloroethoxy)methane	11.45	93	2291506	50.75	ng	#	96
30) 2,4-Dichlorophenol	11.58	162	1185881	54.17	ng		99
31) 1,2,4-Trichlorobenzene	11.73	180	1367500	53.90	ng		99

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010204.D Vial: 4
Acq On : 2 Jan 2001 15:17 Operator: SJT
Sample : 50 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:21 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	Naphthalene	11.88	128	3634869	53.19	ng		100
33)	Benzoic acid	11.56	122	694761	43.76	ng		90
34)	4-Chloroaniline	12.07	127	1839772	51.77	ng		98
35)	Hexachlorobutadiene	12.19	225	696609	51.97	ng		99
36)	Caprolactam	12.88	113	64938m	45.37	ng		
37)	4-Chloro-3-methylphenol	13.18	107	1280879	51.45	ng		85
38)	2-Methylnaphthalene	13.37	142	2655920	55.77	ng		98
40)	Hexachlorocyclopentadiene	13.73	237	612536	46.08	ng		100
42)	2,4,6-Trichlorophenol	14.03	196	919930	50.32	ng		98
43)	2,4,5-Trichlorophenol	14.11	196	1079653	51.74	ng	#	91
45)	1,1'-Biphenyl	14.41	154	2498659	62.29	ng		99
46)	2-Chloronaphthalene	14.43	162	2443830	58.01	ng		93
47)	2-Nitroaniline	14.74	65	837363	43.84	ng		82
48)	Acenaphthylene	15.30	152	3565133	54.69	ng		99
49)	Dimethylphthalate	15.17	163	3103622	54.58	ng		99
50)	2,6-Dinitrotoluene	15.32	165	786168	52.98	ng	#	72
51)	Acenaphthene	15.69	154	2387820	54.11	ng		98
52)	3-Nitroaniline	15.65	138	983667	49.00	ng		95
53)	2,4-Dinitrophenol	15.88	184	636944	45.28	ng	#	93
54)	Dibenzofuran	16.07	168	4007056	56.78	ng		97
55)	4-Nitrophenol	16.07	139	1843980	52.25	ng		97
56)	2,4-Dinitrotoluene	16.17	165	1218751	49.02	ng	#	84
57)	Fluorene	16.81	166	3033414	57.11	ng		100
58)	Diethylphthalate	16.70	149	3187922	52.79	ng		98
59)	4-Chlorophenyl-phenylether	16.85	204	1502156	56.26	ng		97
60)	4-Nitroaniline	17.00	138	1133896	49.19	ng		92
61)	Azobenzene	17.19	77	4006231	46.63	ng		94
63)	4,6-Dinitro-2-methylphenol	17.04	198	864925	49.02	ng		98
64)	n-Nitrosodiphenylamine	17.14	169	2189838	53.60	ng		100
65)	4-Bromophenyl-phenylether	17.90	248	1141148	53.29	ng		96
66)	Hexachlorobenzene	18.03	284	1051149	49.27	ng		99
67)	Atrazine	18.36	200	832190	50.59	ng		95
68)	Pentachlorophenol	18.48	266	777258	49.18	ng		98
69)	Phenanthrene	18.89	178	4091543	53.31	ng		99
70)	Anthracene	18.99	178	4306184	53.45	ng		99
71)	Carbazole	19.40	167	4773495	52.85	ng		99
72)	Di-n-butylphthalate	20.22	149	6601944	53.24	ng		99
73)	Fluoranthene	21.46	202	4746506	54.44	ng		99
75)	Benzidine	21.84	184	845190	50.34	ng		98
76)	Pyrene	21.95	202	6334559	52.25	ng		99
78)	Butylbenzylphthalate	23.45	149	3304558	50.61	ng		95
79)	Benzo(a)anthracene	24.55	228	3941984	52.06	ng		99

1/3/01

00085

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

Data File : F:\HPCHEM\1\DATA\BS010200\BS010204.D Vial: 4
Acq On : 2 Jan 2001 15:17 Operator: SJT
Sample : 50 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:21 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
80)	3,3'-Dichlorobenzidine	24.55	252	1224135	49.51	ng		97
81)	Chrysene	24.64	228	4077386	53.24	ng		100
82)	Bis(2-ethylhexyl)phthalate	24.68	149	4302608	55.49	ng		99
83)	Di-n-octyl phthalate	26.00	149	7763664	57.92	ng	#	96
84)	Indeno(1,2,3-cd)pyrene	31.07	276	3938971	49.82	ng		97
86)	Benzo(b)fluoranthene	26.82	252	4113734	49.87	ng		99
87)	Benzo(k)fluoranthene	26.89	252	4527355	56.31	ng	#	94
88)	Benzo(a)pyrene	27.63	252	4048679	51.42	ng		99
89)	Dibenzo(a,h)anthracene	31.17	278	3181652	51.16	ng		95
90)	Benzo(g,h,i)perylene	32.09	276	3261841	48.30	ng		98

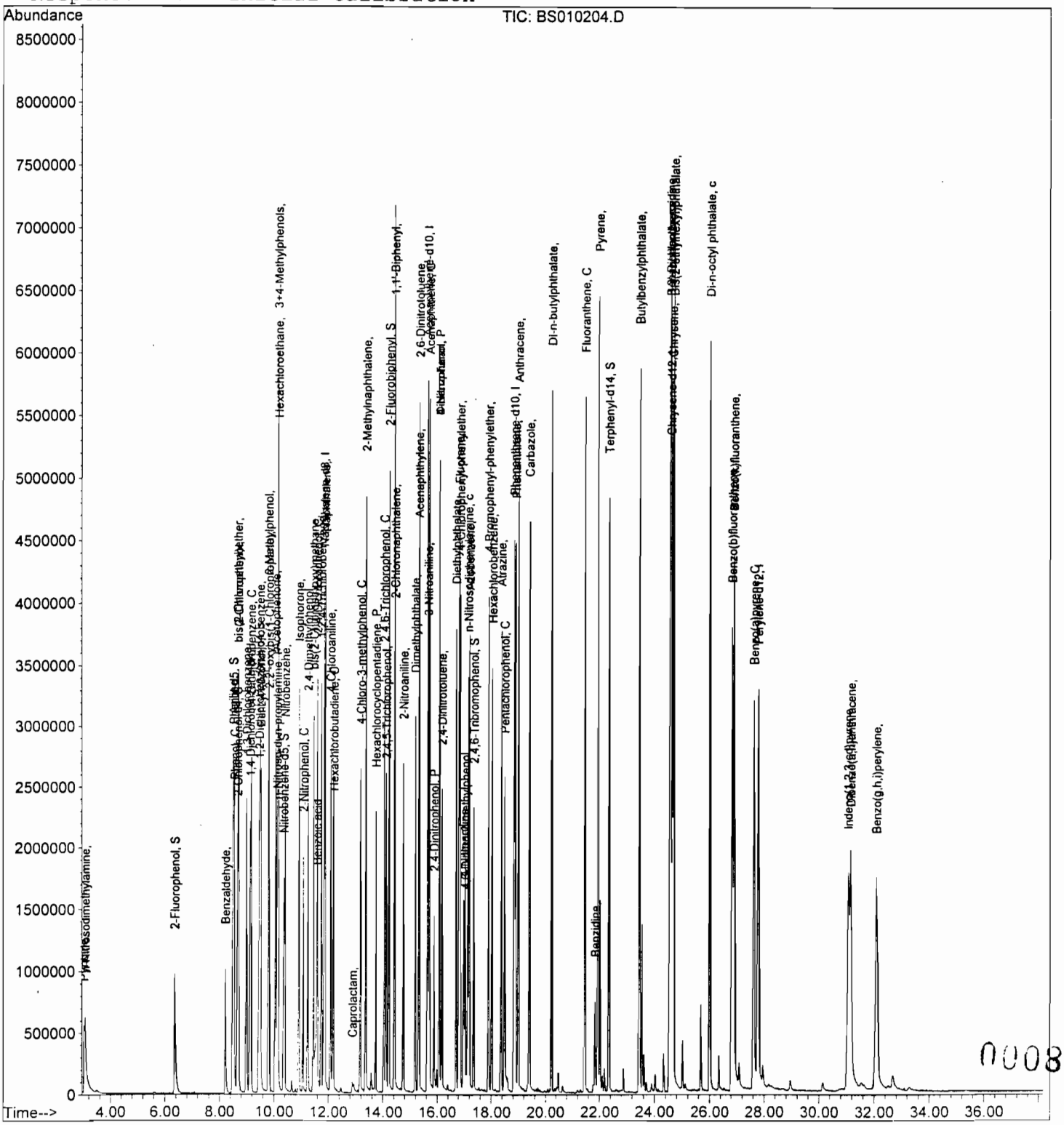
00086

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

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010204.D Vial: 4
Acq On : 2 Jan 2001 15:17 Operator: SJT
Sample : 50 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:21 2001 Quant Results File: BS0102C.RES

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010202.D Vial: 2
Acq On : 2 Jan 2001 13:32 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:17 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.11	152	1025525	40.00	ng	0.00
22) Naphthalene-d8	11.83	136	4398419	40.00	ng	0.00
39) Acenaphthene-d10	15.63	164	2549244	40.00	ng	0.00
62) Phenanthrene-d10	18.83	188	4934850	40.00	ng	0.00
74) Chrysene-d12	24.60	240	4215859	40.00	ng	0.00
85) Perylene-d12	27.79	264	4221072	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.35	112	2286780	79.53	ng	0.00
6) Phenol-d5	8.52	99	3256874	77.45	ng	0.00
11) 2-Chlorophenol-d4	8.65	132	2570700	79.80	ng	0.00
14) 1,2-Dichlorobenzene-d4	9.44	152	1514355	79.96	ng	0.00
24) Nitrobenzene-d5	10.36	82	2886941	80.26	ng	0.00
41) 2,4,6-Tribromophenol	17.37	330	1144624	80.12	ng	0.00
44) 2-Fluorobiphenyl	14.22	172	5578795	78.77	ng	0.00
77) Terphenyl-d14	22.34	244	6036176	79.54	ng	0.00
Target Compounds						Qvalue
2) Pyridine	3.02	79	2147015	73.68	ng	100
3) n-Nitrosodimethylamine	3.07	74	1446470	77.73	ng	100
5) Aniline	8.48	93	3918337	80.24	ng	100
7) 2-Chlorophenol	8.68	128	2250369	79.94	ng	100
8) Benzaldehyde	8.20	77	1369367	80.02	ng	100
9) Phenol	8.55	94	3833710	80.40	ng	100
10) bis(2-Chloroethyl)ether	8.68	93	2717635	77.87	ng	100
12) 1,3-Dichlorobenzene	8.98	146	2783898	80.05	ng	100
13) 1,4-Dichlorobenzene	9.14	146	2811228	79.95	ng	100
15) 1,2-Dichlorobenzene	9.47	146	2574546	79.46	ng	100
16) Benzyl Alcohol	9.52	79	2266891	80.93	ng	100
17) 2,2'-oxybis(1-Chloropropan	9.82	45	4367496	80.12	ng	100
18) 2-Methylphenol	9.80	107	2347209	79.38	ng	100
19) Hexachloroethane	10.15	117	1252740	79.92	ng	100
20) n-Nitroso-di-n-propylamine	10.11	70	1562776	80.03	ng	100
21) 3+4-Methylphenols	10.16	107	4928518	159.59	ng	100
23) Acetophenone	10.06	105	3461042	78.51	ng	100
25) Nitrobenzene	10.41	77	3079916	79.38	ng	100
26) Isophorone	10.92	82	6756355	79.44	ng	100
27) 2-Nitrophenol	11.07	139	1811975	80.06	ng	100
28) 2,4-Dimethylphenol	11.25	122	2173115	80.35	ng	100
29) bis(2-Chloroethoxy)methane	11.45	93	4508187	79.96	ng	100
30) 2,4-Dichlorophenol	11.60	162	2203680	80.62	ng	100
31) 1,2,4-Trichlorobenzene	11.74	180	2525488	79.72	ng	100

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

Data File : F:\HPCHEM\1\DATA\BS010200\BS010202.D Vial: 2
Acq On : 2 Jan 2001 13:32 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:17 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) Naphthalene	11.88	128	6811261	79.82 ng	100
33) Benzoic acid	11.66	122	1546192	78.01 ng	100
34) 4-Chloroaniline	12.09	127	3555320	80.12 ng	100
35) Hexachlorobutadiene	12.19	225	1338666	79.98 ng	100
36) Caprolactam	13.04	113	142704m	79.84 ng	
37) 4-Chloro-3-methylphenol	13.18	107	2529675	81.39 ng	100
38) 2-Methylnaphthalene	13.37	142	4644176	78.10 ng	100
40) Hexachlorocyclopentadiene	13.74	237	1320204	80.07 ng	100
42) 2,4,6-Trichlorophenol	14.03	196	1807206	79.71 ng	100
43) 2,4,5-Trichlorophenol	14.12	196	2078162	80.30 ng	100
45) 1,1'-Biphenyl	14.41	154	3966497	79.72 ng	100
46) 2-Chloronaphthalene	14.43	162	4141995	79.27 ng	100
47) 2-Nitroaniline	14.74	65	1889526	79.76 ng	100
48) Acenaphthylene	15.32	152	6444881	79.70 ng	100
49) Dimethylphthalate	15.19	163	5634908	79.90 ng	100
50) 2,6-Dinitrotoluene	15.34	165	1473918	80.08 ng	100
51) Acenaphthene	15.70	154	4397248	80.33 ng	100
52) 3-Nitroaniline	15.67	138	1996630	80.19 ng	100
53) 2,4-Dinitrophenol	15.90	184	1420231	81.40 ng	100
54) Dibenzofuran	16.08	168	6999048	79.96 ng	100
55) 4-Nitrophenol	16.08	139	3538122	80.82 ng	100
56) 2,4-Dinitrotoluene	16.18	165	2456265	79.65 ng	100
57) Fluorene	16.82	166	5335132	80.99 ng	100
58) Diethylphthalate	16.72	149	5921674	79.05 ng	100
59) 4-Chlorophenyl-phenylether	16.86	204	2643222	79.81 ng	100
60) 4-Nitroaniline	17.02	138	2281819	79.80 ng	100
61) Azobenzene	17.20	77	8472490	79.51 ng	100
63) 4,6-Dinitro-2-methylphenol	17.07	198	1766021	82.00 ng	100
64) n-Nitrosodiphenylamine	17.15	169	4065618	81.53 ng	100
65) 4-Bromophenyl-phenylether	17.91	248	2130782	81.53 ng	100
66) Hexachlorobenzene	18.04	284	2126032	81.64 ng	100
67) Atrazine	18.39	200	1618878	80.63 ng	100
68) Pentachlorophenol	18.49	266	1579217	81.87 ng	100
69) Phenanthrene	18.90	178	7584546	80.97 ng	100
70) Anthracene	19.00	178	7712753	78.44 ng	100
71) Carbazole	19.41	167	8939856	81.10 ng	100
72) Di-n-butylphthalate	20.24	149	12228510	80.81 ng	100
73) Fluoranthene	21.47	202	8679005	81.57 ng	100
75) Benzidine	21.83	184	1575558	78.40 ng	100
76) Pyrene	21.97	202	11503709	79.28 ng	100
78) Butylbenzylphthalate	23.46	149	6213519	79.50 ng	100
79) Benzo(a)anthracene	24.55	228	7208571	79.53 ng	100

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

00089

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010202.D Vial: 2
Acq On : 2 Jan 2001 13:32 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:17 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

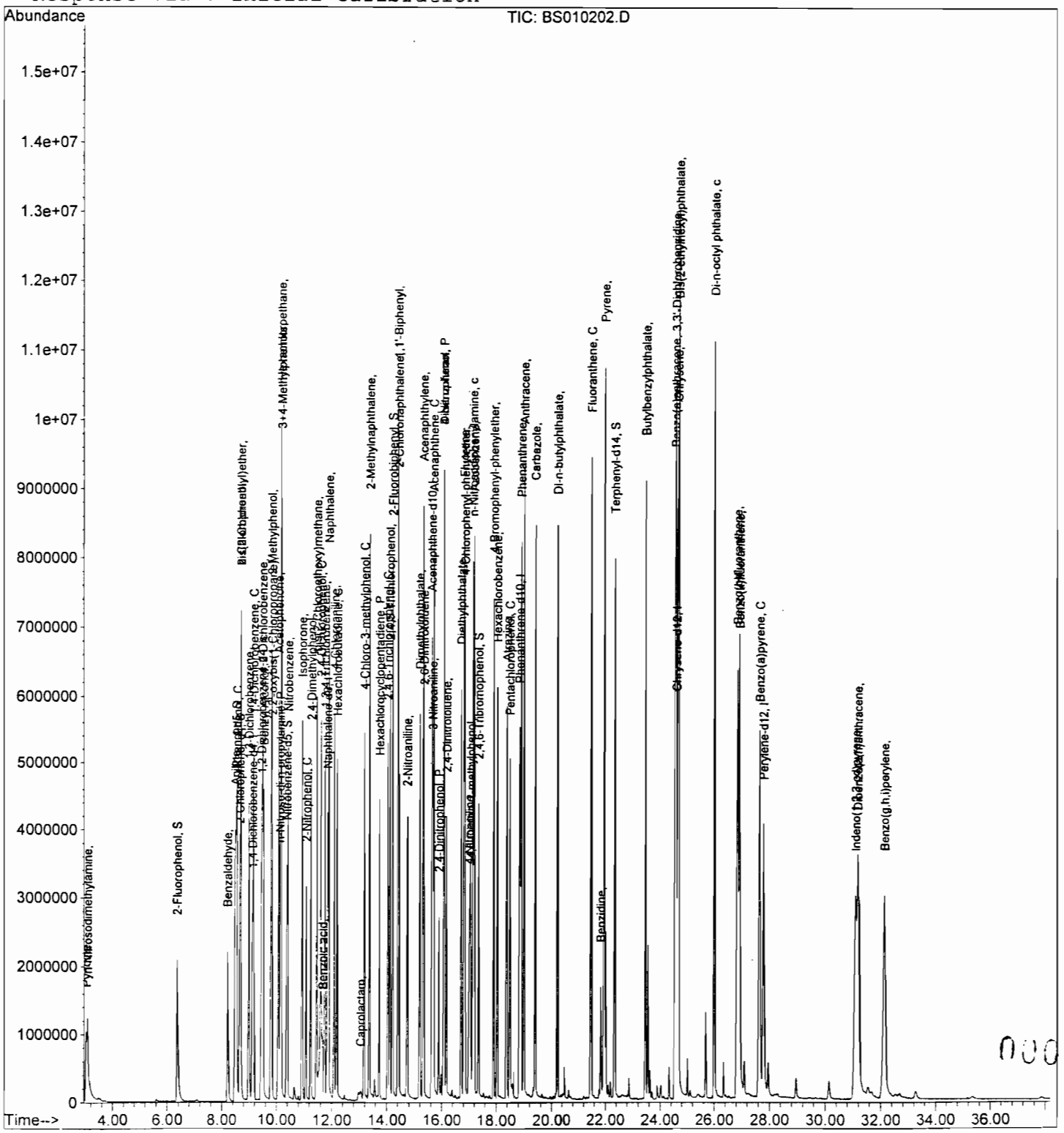
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
80)	3,3'-Dichlorobenzidine	24.57	252	2363683	79.87 ng	100
81)	Chrysene	24.65	228	7261777	79.21 ng	100
82)	Bis(2-ethylhexyl)phthalate	24.69	149	7303548	78.69 ng	100
83)	Di-n-octyl phthalate	26.01	149	12814259	79.87 ng	100
84)	Indeno(1,2,3-cd)pyrene	31.11	276	7587190	80.16 ng	99
86)	Benzo(b)fluoranthene	26.85	252	8193298	81.09 ng	100
87)	Benzo(k)fluoranthene	26.93	252	7756039	78.76 ng	100
88)	Benzo(a)pyrene	27.66	252	7546534	78.25 ng	100
89)	Dibenzo(a,h)anthracene	31.20	278	6034463	79.22 ng	100
90)	Benzo(g,h,i)perylene	32.15	276	6343000	76.68 ng	100

00090

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

Data File : F:\HPCHEM\1\DATA\BS010200\BS010202.D Vial: 2
Acq On : 2 Jan 2001 13:32 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:17 2001 Quant Results File: BS0102C.RES

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration



00091

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010205.D Vial: 5
Acq On : 2 Jan 2001 16:11 Operator: SJT
Sample : 120 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:22 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.11	152	724620	40.00	ng	0.00
22) Naphthalene-d8	11.83	136	3088483	40.00	ng	0.00
39) Acenaphthene-d10	15.63	164	1827107	40.00	ng	0.00
62) Phenanthrene-d10	18.83	188	3375656	40.00	ng	0.00
74) Chrysene-d12	24.59	240	2904131	40.00	ng	-0.01
85) Perylene-d12	27.79	264	2881586	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.36	112	2264419	111.45	ng	0.00
6) Phenol-d5	8.52	99	3310800	111.43	ng	0.00
11) 2-Chlorophenol-d4	8.65	132	2543052	111.73	ng	0.00
14) 1,2-Dichlorobenzene-d4	9.44	152	1428657	106.76	ng	0.00
24) Nitrobenzene-d5	10.37	82	3010787	119.21	ng	0.01
41) 2,4,6-Tribromophenol	17.38	330	1107057	108.12	ng	0.01
44) 2-Fluorobiphenyl	14.22	172	5469737	107.76	ng	0.00
77) Terphenyl-d14	22.33	244	6130029	117.27	ng	-0.01
Target Compounds						Qvalue
2) Pyridine	3.02	79	2057239	99.91	ng	98
3) n-Nitrosodimethylamine	3.07	74	1402111	106.64	ng	96
5) Aniline	8.48	93	3942325	114.26	ng	100
7) 2-Chlorophenol	8.70	128	2273949	114.32	ng	94
8) Benzaldehyde	8.20	77	421566	34.86	ng	95
9) Phenol	8.55	94	3798610	112.75	ng	98
10) bis(2-Chloroethyl)ether	8.68	93	2733974	110.86	ng	97
12) 1,3-Dichlorobenzene	8.98	146	2756233	112.17	ng	98
13) 1,4-Dichlorobenzene	9.14	146	2749245	110.66	ng	99
15) 1,2-Dichlorobenzene	9.47	146	2493648	108.92	ng	98
16) Benzyl Alcohol	9.52	79	2179938	110.14	ng	96
17) 2,2'-oxybis(1-Chloropropan	9.81	45	4380146	113.72	ng	92
18) 2-Methylphenol	9.80	107	2318719	110.98	ng	97
19) Hexachloroethane	10.14	117	1192384	107.66	ng	98
20) n-Nitroso-di-n-propylamine	10.13	70	1436869m	104.13	ng	
21) 3+4-Methylphenols	10.16	107	4859016	222.67	ng	95
23) Acetophenone	10.06	105	3404816	110.00	ng	98
25) Nitrobenzene	10.40	77	2985141	109.57	ng	95
26) Isophorone	10.93	82	6753915	113.09	ng	97
27) 2-Nitrophenol	11.08	139	1859618	117.01	ng	95
28) 2,4-Dimethylphenol	11.24	122	2327526	122.56	ng	96
29) bis(2-Chloroethoxy)methane	11.46	93	4355328	110.01	ng	99
30) 2,4-Dichlorophenol	11.59	162	2371743	123.56	ng	96
31) 1,2,4-Trichlorobenzene	11.74	180	2517030	113.15	ng	98

MW 1/3/01

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

00092

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010205.D Vial: 5
Acq On : 2 Jan 2001 16:11 Operator: SJT
Sample : 120 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:22 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) Naphthalene	11.88	128	7171593	119.69 ng		100
33) Benzoic acid	11.69	122	1761769	126.58 ng		95
34) 4-Chloroaniline	12.08	127	2972595	95.40 ng		97
35) Hexachlorobutadiene	12.18	225	1357543	115.51 ng		99
36) Caprolactam	13.05	113	139120m	110.85 ng		
37) 4-Chloro-3-methylphenol	13.18	107	2513926	115.18 ng		98
38) 2-Methylnaphthalene	13.38	142	4495458	107.67 ng		99
40) Hexachlorocyclopentadiene	13.74	237	1344199	113.75 ng		100
42) 2,4,6-Trichlorophenol	14.04	196	1832428	112.76 ng		98
43) 2,4,5-Trichlorophenol	14.12	196	1954773	105.38 ng		95
45) 1,1'-Biphenyl	14.41	154	4056440	113.76 ng		97
46) 2-Chloronaphthalene	14.43	162	4130076	110.28 ng		98
47) 2-Nitroaniline	14.74	65	1858920	109.48 ng		93
48) Acenaphthylene	15.32	152	6659308	114.91 ng		99
49) Dimethylphthalate	15.19	163	5608629	110.96 ng		99
50) 2,6-Dinitrotoluene	15.34	165	1493643	113.22 ng		99
51) Acenaphthene	15.70	154	4467989	113.89 ng		99
52) 3-Nitroaniline	15.66	138	1912746	107.18 ng		95
53) 2,4-Dinitrophenol	15.90	184	1491060	119.23 ng		96
54) Dibenzofuran	16.08	168	6741950	107.47 ng		97
55) 4-Nitrophenol	16.08	139	3353581	106.88 ng		97
56) 2,4-Dinitrotoluene	16.19	165	2403558	108.74 ng	#	89
57) Fluorene	16.82	166	5050455	106.97 ng		97
58) Diethylphthalate	16.72	149	5851252	108.99 ng		99
59) 4-Chlorophenyl-phenylether	16.85	204	2633961	110.96 ng		99
60) 4-Nitroaniline	17.03	138	2257276	110.15 ng		98
61) Azobenzene	17.20	77	7877176	103.14 ng		95
63) 4,6-Dinitro-2-methylphenol	17.06	198	1679518	114.01 ng		83
64) n-Nitrosodiphenylamine	17.15	169	4042446	118.52 ng		99
65) 4-Bromophenyl-phenylether	17.90	248	2065412	115.54 ng		98
66) Hexachlorobenzene	18.04	284	2027732	113.84 ng		93
67) Atrazine	18.38	200	1625451	118.35 ng		97
68) Pentachlorophenol	18.50	266	1544270	117.03 ng		98
69) Phenanthrene	18.89	178	7207373	112.48 ng		100
70) Anthracene	18.99	178	7923666	117.80 ng		99
71) Carbazole	19.40	167	8734016	115.83 ng		99
72) Di-n-butylphthalate	20.23	149	11388945	110.02 ng	#	98
73) Fluoranthene	21.46	202	8915025	122.48 ng		98
75) Benzidine	21.82	184	1089976	78.74 ng		99
76) Pyrene	21.96	202	11138761	111.44 ng		99
78) Butylbenzylphthalate	23.45	149	6190342	114.98 ng		90
79) Benzo(a)anthracene	24.56	228	7168418	114.81 ng		100

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

00093

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010205.D Vial: 5
Acq On : 2 Jan 2001 16:11 Operator: SJT
Sample : 120 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:22 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
80)	3,3'-Dichlorobenzidine	24.57	252	1963359	96.31	ng		96
81)	Chrysene	24.66	228	7288767	115.42	ng		99
82)	Bis(2-ethylhexyl)phthalate	24.69	149	7441871	116.40	ng		98
83)	Di-n-octyl phthalate	26.01	149	13634949	123.36	ng		100
84)	Indeno(1,2,3-cd)pyrene	31.12	276	7848913	120.39	ng		94
86)	Benzo(b)fluoranthene	26.85	252	8645082	125.33	ng		100
87)	Benzo(k)fluoranthene	26.91	252	7901229	117.53	ng	#	93
88)	Benzo(a)pyrene	27.64	252	7942139	120.64	ng	#	95
89)	Dibenzo(a,h)anthracene	31.20	278	6223395	119.68	ng		99
90)	Benzo(g,h,i)perylene	32.15	276	6530250	115.64	ng		99

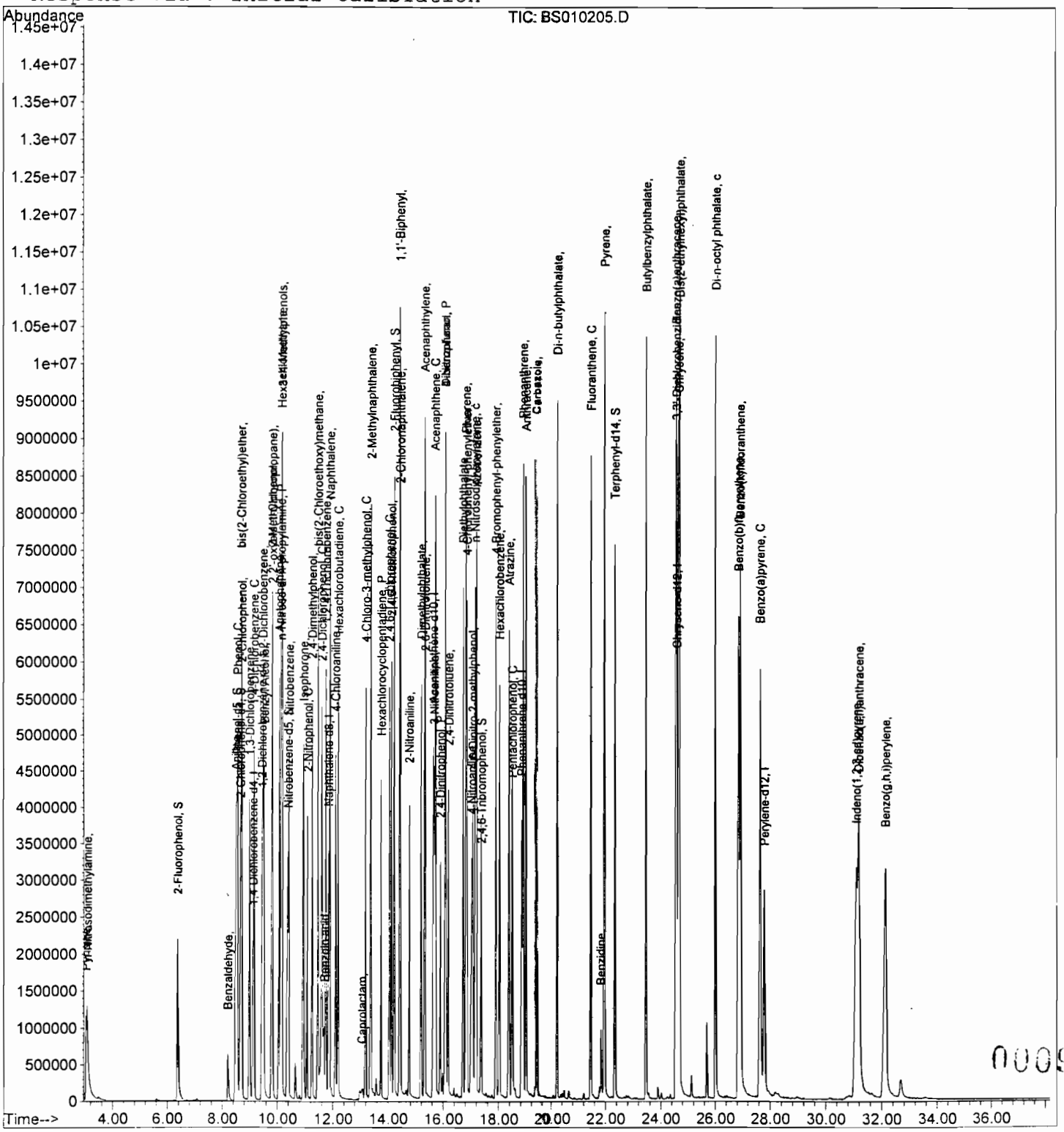
0009.

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

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010205.D Vial: 5
Acq On : 2 Jan 2001 16:11 Operator: SJT
Sample : 120 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:22 2001 Quant Results File: BS0102C.RES

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration



00095

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010206.D Vial: 6
Acq On : 2 Jan 2001 17:05 Operator: SJT
Sample : 160 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:24 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.11	152	716980	40.00	ng	0.00
22) Naphthalene-d8	11.84	136	3222724	40.00	ng	0.01
39) Acenaphthene-d10	15.63	164	1939194	40.00	ng	0.00
62) Phenanthrene-d10	18.83	188	3651528	40.00	ng	0.00
74) Chrysene-d12	24.60	240	2909966	40.00	ng	0.00
85) Perylene-d12	27.78	264	2999990	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.36	112	2966829	147.58	ng	0.00
6) Phenol-d5	8.53	99	4467912	151.98	ng	0.01
11) 2-Chlorophenol-d4	8.66	132	3165400	140.55	ng	0.01
14) 1,2-Dichlorobenzene-d4	9.45	152	1781995	134.58	ng	0.01
24) Nitrobenzene-d5	10.37	82	3892167	147.68	ng	0.01
41) 2,4,6-Tribromophenol	17.38	330	1461544	134.49	ng	0.01
44) 2-Fluorobiphenyl	14.23	172	6760628	125.49	ng	0.01
77) Terphenyl-d14	22.34	244	7624216	145.56	ng	0.00
Target Compounds						Qvalue
2) Pyridine	3.01	79	2695383	132.30	ng	89
3) n-Nitrosodimethylamine	3.07	74	1820248	139.92	ng	97
5) Aniline	8.48	93	5293622	155.06	ng	97
7) 2-Chlorophenol	8.70	128	2927111	148.72	ng	94
8) Benzaldehyde	8.20	77	798772	66.76	ng	97
9) Phenol	8.56	94	4981699	149.44	ng	99
10) bis(2-Chloroethyl)ether	8.70	93	3418070	140.08	ng	99
12) 1,3-Dichlorobenzene	8.99	146	3542782	145.72	ng	98
13) 1,4-Dichlorobenzene	9.14	146	3635780	147.91	ng	97
15) 1,2-Dichlorobenzene	9.48	146	3123757	137.89	ng	97
16) Benzyl Alcohol	9.52	79	3019898	154.21	ng	94
17) 2,2'-oxybis(1-Chloropropan	9.81	45	5829624	152.96	ng	86
18) 2-Methylphenol	9.81	107	3049953	147.54	ng	97
19) Hexachloroethane	10.14	117	1585674	144.70	ng	99
20) n-Nitroso-di-n-propylamine	10.13	70	1537292	112.60	ng	92
21) 3+4-Methylphenols	10.18	107	6498003	300.96	ng	96
23) Acetophenone	10.08	105	4558190	141.12	ng	97
25) Nitrobenzene	10.42	77	4116517	144.80	ng	97
26) Isophorone	10.93	82	9144793	146.74	ng	99
27) 2-Nitrophenol	11.08	139	2343725	141.33	ng	97
28) 2,4-Dimethylphenol	11.26	122	3014743	152.14	ng	100
29) bis(2-Chloroethoxy)methane	11.46	93	5717058	138.39	ng	99
30) 2,4-Dichlorophenol	11.61	162	2936317	146.61	ng	98
31) 1,2,4-Trichlorobenzene	11.74	180	3033944	130.70	ng	99

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

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010206.D Vial: 6
Acq On : 2 Jan 2001 17:05 Operator: SJT
Sample : 160 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:24 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32) Naphthalene	11.89	128	8954049	143.21	ng		99
33) Benzoic acid	11.71	122	2389009	164.49	ng		93
34) 4-Chloroaniline	12.09	127	3162934	97.28	ng		98
35) Hexachlorobutadiene	12.18	225	1662249	135.54	ng		99
36) Caprolactam	13.11	113	191985m	146.60	ng		
37) 4-Chloro-3-methylphenol	13.19	107	3373543	148.13	ng		96
38) 2-Methylnaphthalene	13.39	142	5731745	131.56	ng		99
40) Hexachlorocyclopentadiene	13.73	237	1751326	139.64	ng		97
42) 2,4,6-Trichlorophenol	14.05	196	2264705	131.30	ng		96
43) 2,4,5-Trichlorophenol	14.13	196	2508781	127.43	ng		96
45) 1,1'-Biphenyl	14.43	154	5272231	139.30	ng		95
46) 2-Chloronaphthalene	14.44	162	5362916	134.92	ng		96
47) 2-Nitroaniline	14.76	65	2429197	134.79	ng		99
48) Acenaphthylene	15.32	152	8482088	137.90	ng		99
49) Dimethylphthalate	15.20	163	7549998	140.73	ng		99
50) 2,6-Dinitrotoluene	15.35	165	2044441	146.02	ng		94
51) Acenaphthene	15.71	154	5349116	128.47	ng		99
52) 3-Nitroaniline	15.68	138	2520218	133.05	ng		99
53) 2,4-Dinitrophenol	15.91	184	2091997	157.61	ng		96
54) Dibenzofuran	16.08	168	8962872	134.61	ng		92
55) 4-Nitrophenol	16.09	139	4693530	140.94	ng		92
56) 2,4-Dinitrotoluene	16.21	165	3352608	142.91	ng	#	79
57) Fluorene	16.82	166	6614372	131.99	ng		99
58) Diethylphthalate	16.73	149	7732497	135.70	ng		100
59) 4-Chlorophenyl-phenylether	16.87	204	3233786	128.35	ng		94
60) 4-Nitroaniline	17.05	138	3021294	138.91	ng		93
61) Azobenzene	17.20	77	11013493	135.87	ng		93
63) 4,6-Dinitro-2-methylphenol	17.08	198	2182578	136.96	ng		76
64) n-Nitrosodiphenylamine	17.16	169	4845117	131.32	ng		98
65) 4-Bromophenyl-phenylether	17.92	248	2641446	136.60	ng		96
66) Hexachlorobenzene	18.05	284	2633468	136.67	ng		97
67) Atrazine	18.40	200	2051019	138.05	ng		95
68) Pentachlorophenol	18.50	266	2046278	143.36	ng		97
69) Phenanthrene	18.90	178	9505619	137.14	ng		100
70) Anthracene	19.01	178	9436897	129.70	ng		100
71) Carbazole	19.41	167	11555517	141.67	ng		99
72) Di-n-butylphthalate	20.23	149	13537059	120.89	ng	#	96
73) Fluoranthene	21.47	202	11260633	143.02	ng		99
75) Benzidine	21.83	184	1572161	113.34	ng		98
76) Pyrene	21.96	202	14201551	141.79	ng		99
78) Butylbenzylphthalate	23.46	149	7714323	143.00	ng		89
79) Benzo(a)anthracene	24.57	228	9192308	146.93	ng		100

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

00097

Quantitation Report (QT Reviewed)

Data File : F:\HPCHEM\1\DATA\BS010200\BS010206.D Vial: 6
Acq On : 2 Jan 2001 17:05 Operator: SJT
Sample : 160 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:24 2001 Quant Results File: BS0102C.RES

Quant Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:03:42 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
80)	3,3'-Dichlorobenzidine	24.58	252	2443122	119.61 ng		94
81)	Chrysene	24.67	228	8987170	142.03 ng		99
82)	Bis(2-ethylhexyl)phthalate	24.68	149	8626140	134.65 ng		98
83)	Di-n-octyl phthalate	26.00	149	16509924	149.08 ng		97
84)	Indeno(1,2,3-cd)pyrene	31.13	276	9917014	151.80 ng		95
86)	Benzo(b)fluoranthene	26.86	252	11193127	155.86 ng		98
87)	Benzo(k)fluoranthene	26.93	252	9601195	137.18 ng	#	94
88)	Benzo(a)pyrene	27.67	252	10032199	146.37 ng		98
89)	Dibenzo(a,h)anthracene	31.22	278	7804206	144.16 ng		98
90)	Benzo(g,h,i)perylene	32.18	276	8154196	138.70 ng		96

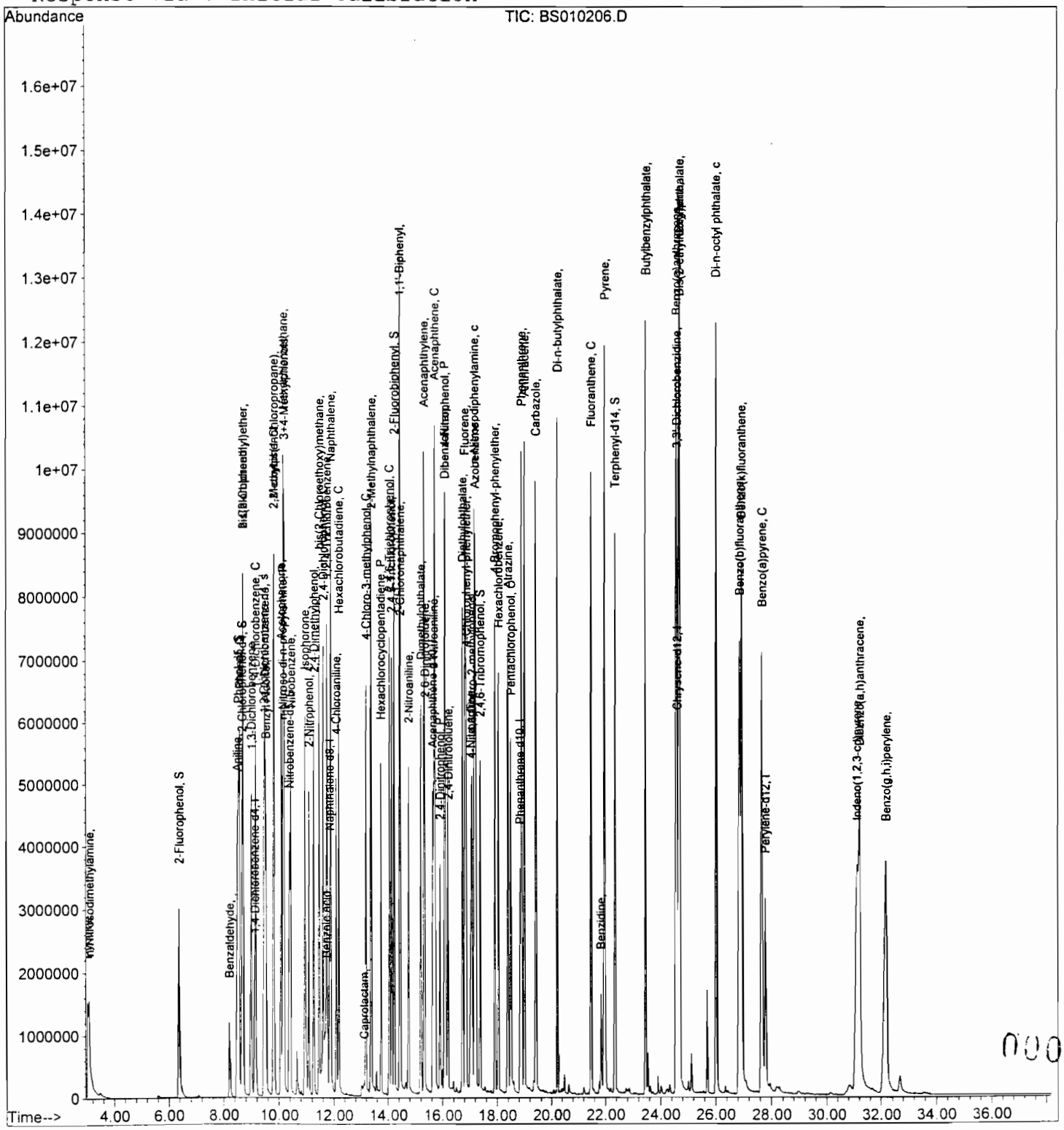
00093

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

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010206.D Vial: 6
Acq On : 2 Jan 2001 17:05 Operator: SJT
Sample : 160 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 3 14:24 2001 Quant Results File: BS0102C.RES

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Initial Calibration

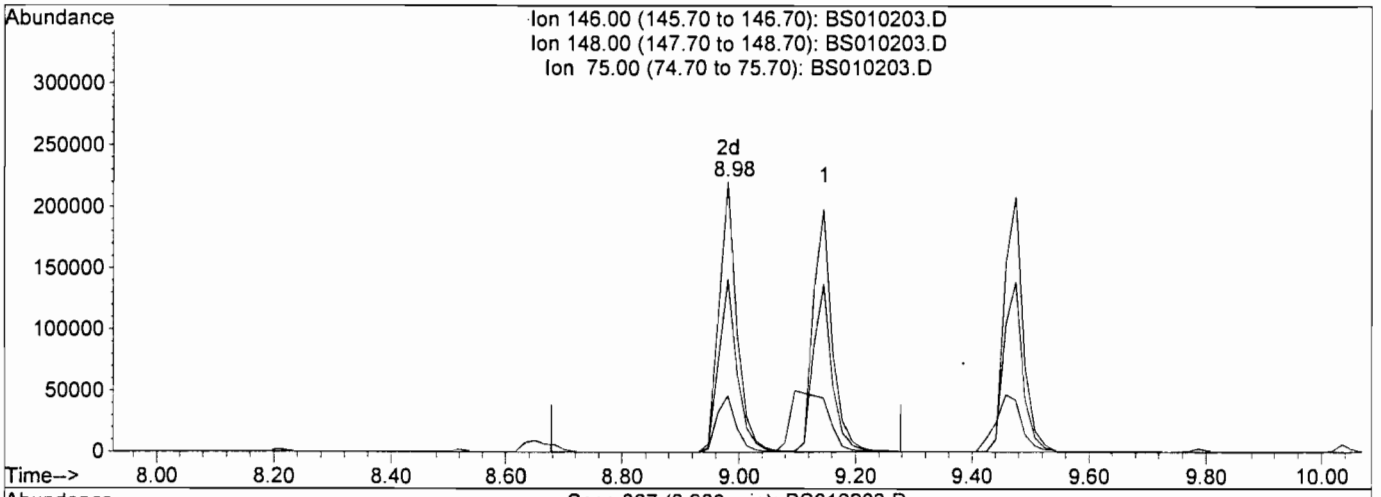


00093

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010203.D Vial: 3
Acq On : 2 Jan 2001 14:25 Operator: SJT
Sample : 20 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:20 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration



TIC: BS010203.D

(12) 1,3-Dichlorobenzene

8.98min 18.04ng m

response 473762

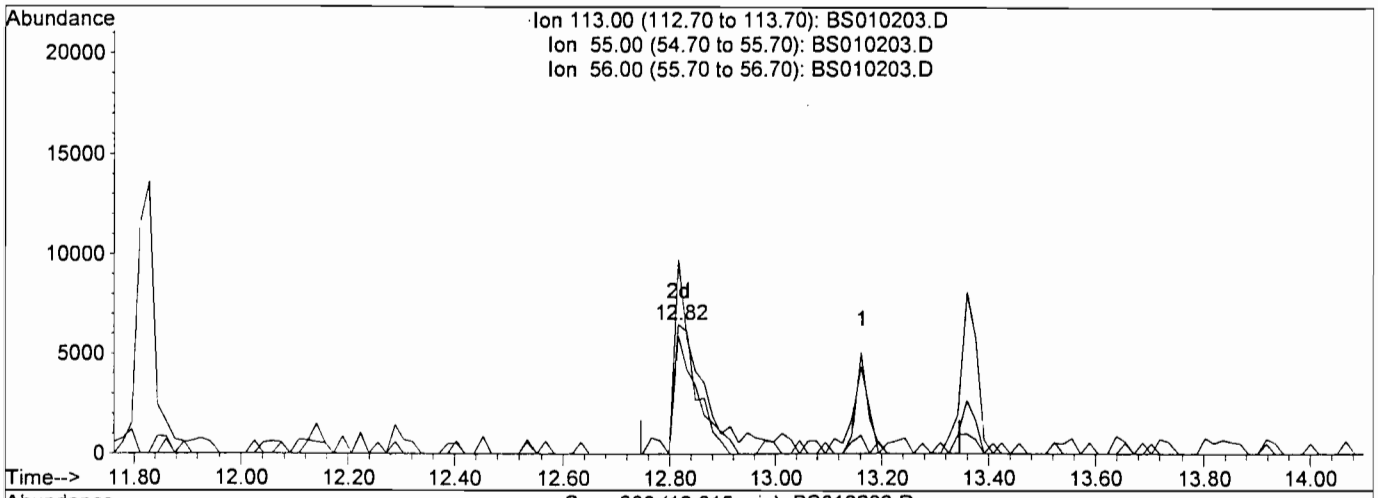
Ion	Exp%	Act%
146.00	100	100
148.00	65.50	63.92
75.00	26.70	20.81#
0.00	0.00	0.00

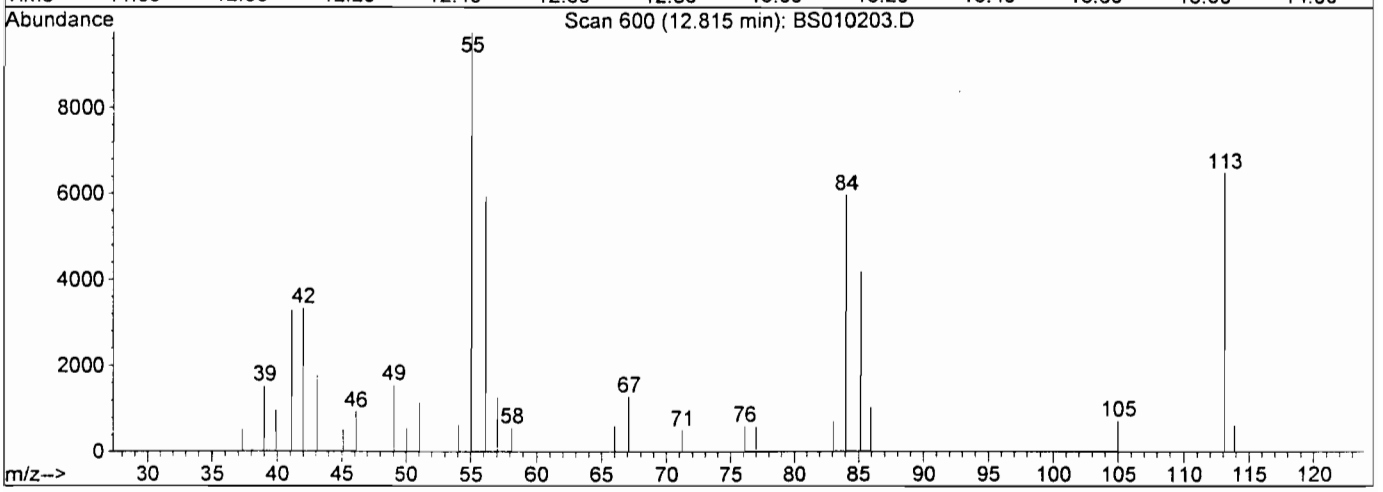
00100

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010203.D Vial: 3
Acq On : 2 Jan 2001 14:25 Operator: SJT
Sample : 20 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:20 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration





TIC: BS010203.D

(36) Caprolactam

12.82min 15.36ng m

response 19607

Ion	Exp%	Act%
113.00	100	100
55.00	130.40	150.19
56.00	82.90	91.34
0.00	0.00	0.00

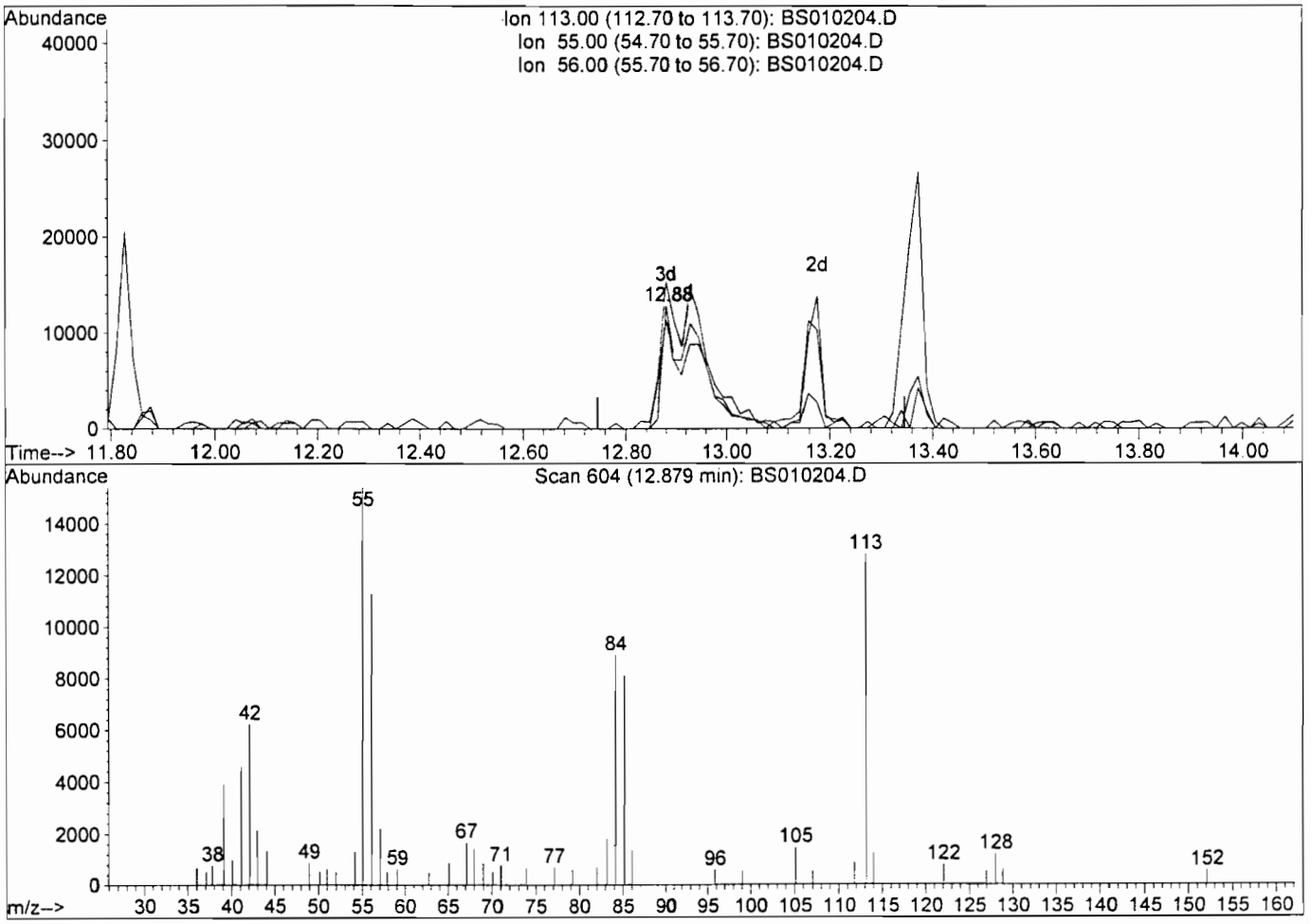
09101

BS010203.D BS0102C.M Wed Jan 03 14:31:11 2001 RPT1

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010204.D Vial: 4
Acq On : 2 Jan 2001 15:17 Operator: SJT
Sample : 50 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:21 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration



TIC: BS010204.D

(36) Caprolactam

12.88min 45.37ng m

response 64938

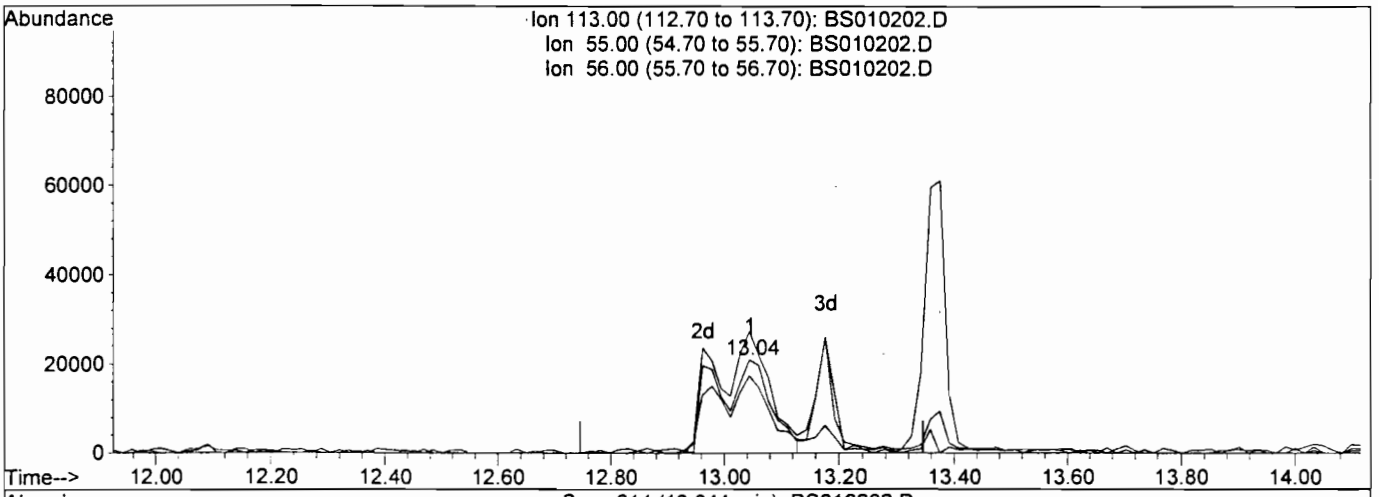
Ion	Exp%	Act%
113.00	100	100
55.00	130.40	120.33
56.00	82.90	88.28
0.00	0.00	0.00

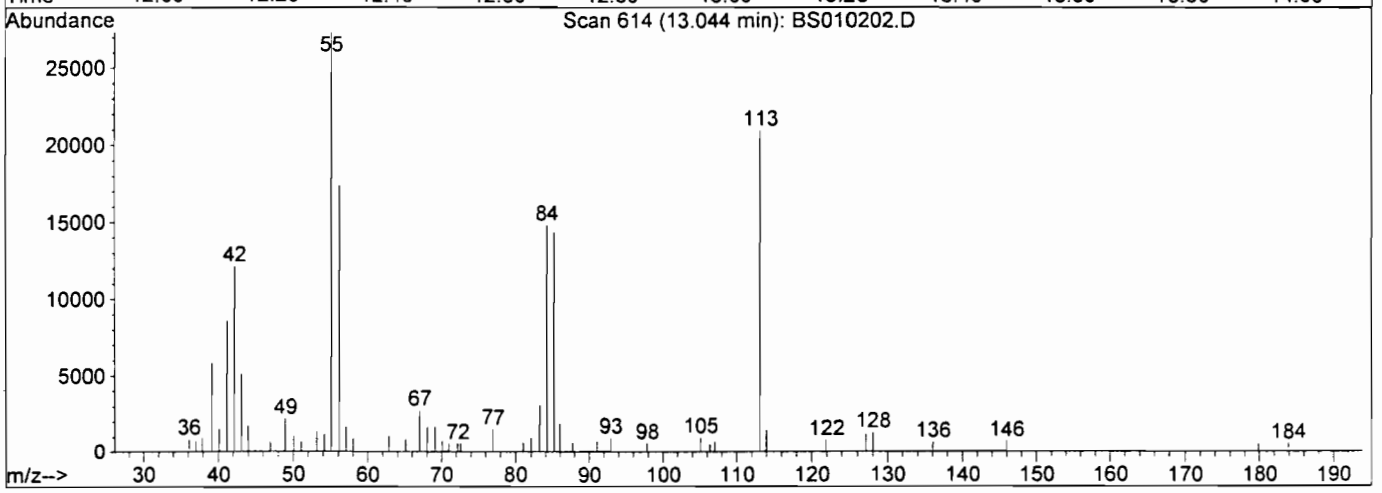
00102

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010202.D Vial: 2
Acq On : 2 Jan 2001 13:32 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:17 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration





TIC: BS010202.D

(36) Caprolactam

13.04min 79.84ng m

response 142704

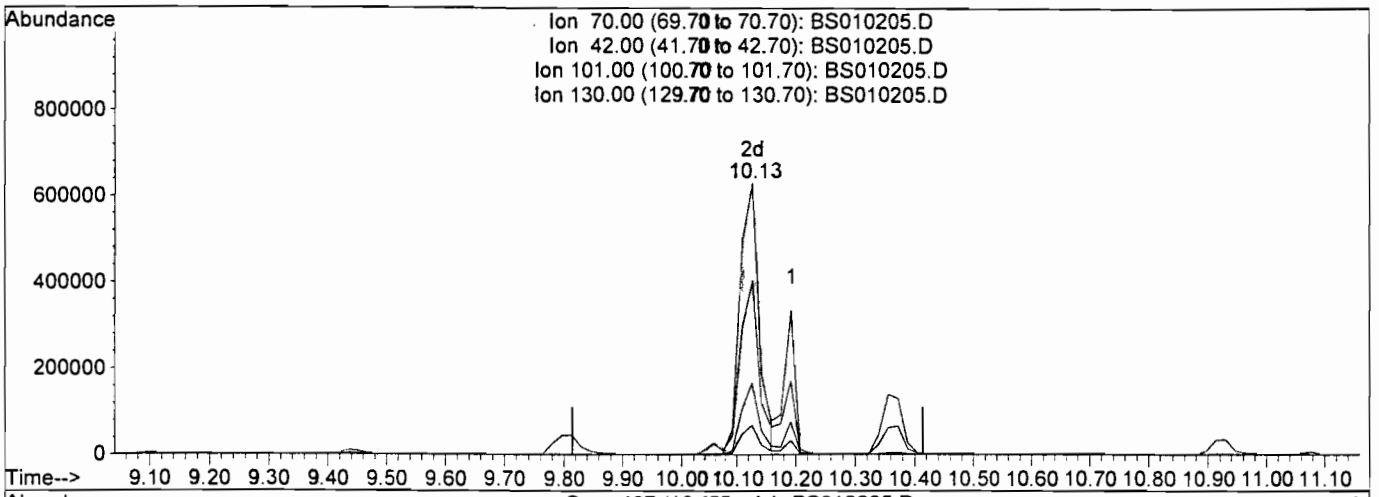
Ion	Exp%	Act%
113.00	100	100
55.00	130.40	130.43
56.00	82.90	82.93
0.00	0.00	0.00

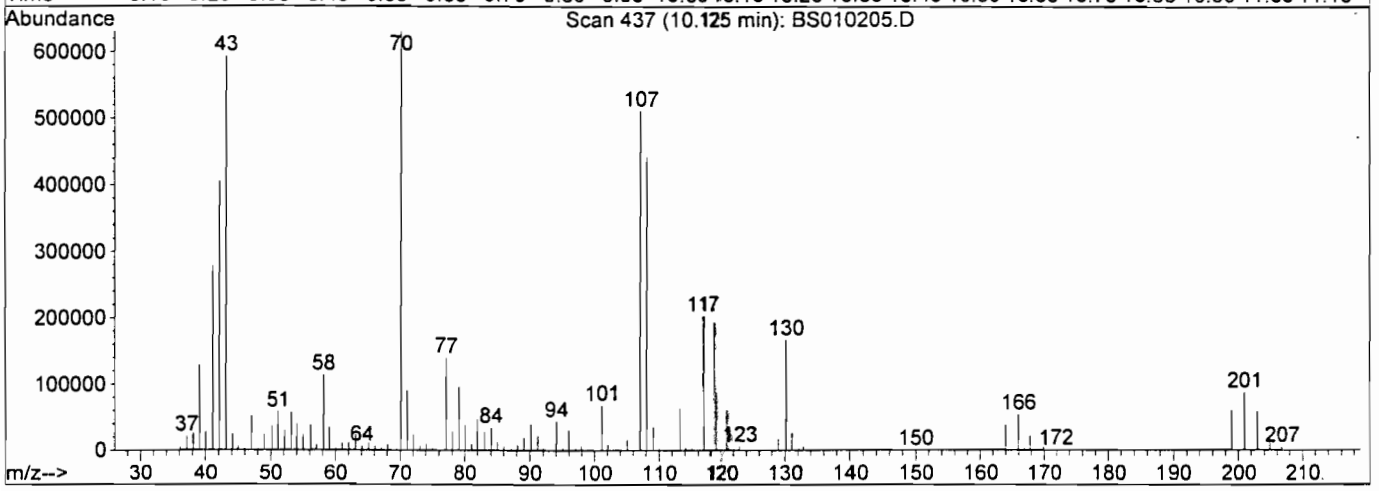
00103

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010205.D Vial: 5
Acq On : 2 Jan 2001 16:11 Operator: SJT
Sample : 120 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:22 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration





TIC: BS010205.D

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

10.13min 104.13ng m

response 1436869

Ion	Exp%	Act%
70.00	100	100
42.00	58.20	64.13
101.00	9.90	10.85
130.00	21.10	26.43#

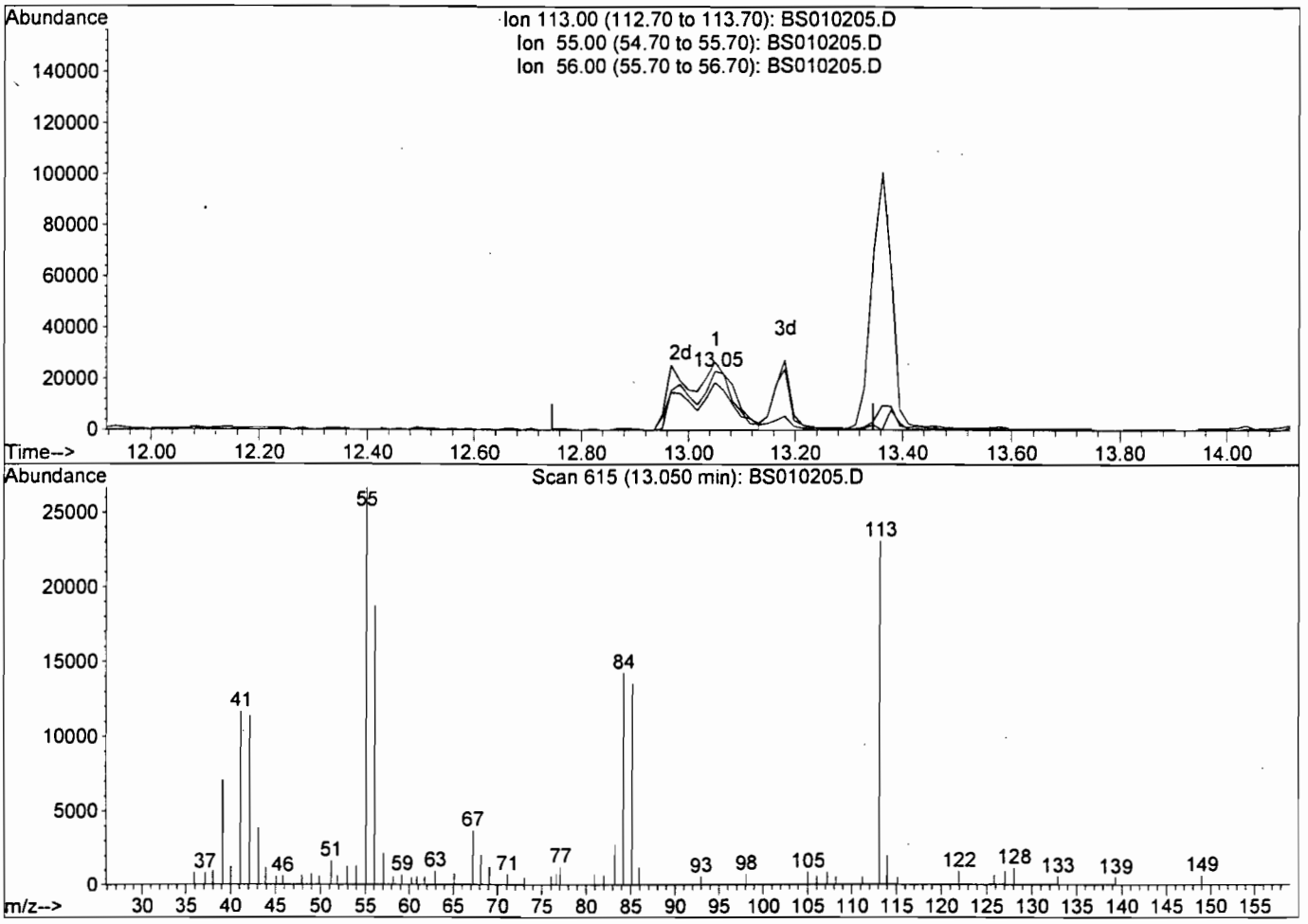
00104

BS010205.D BS0102C.M Wed Jan 03 14:32:35 2001 RPT1

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010205.D Vial: 5
Acq On : 2 Jan 2001 16:11 Operator: SJT
Sample : 120 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:22 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration



TIC: BS010205.D

(36) Caprolactam

13.05min 110.85ng m

response 139120

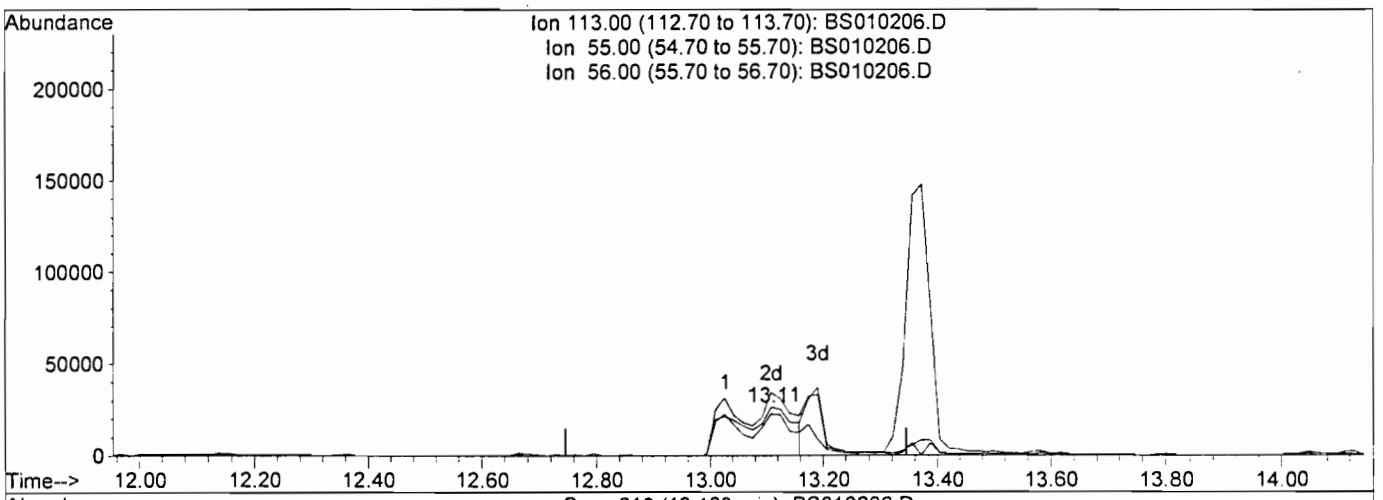
Ion	Exp%	Act%
113.00	100	100
55.00	130.40	115.61
56.00	82.90	81.17
0.00	0.00	0.00

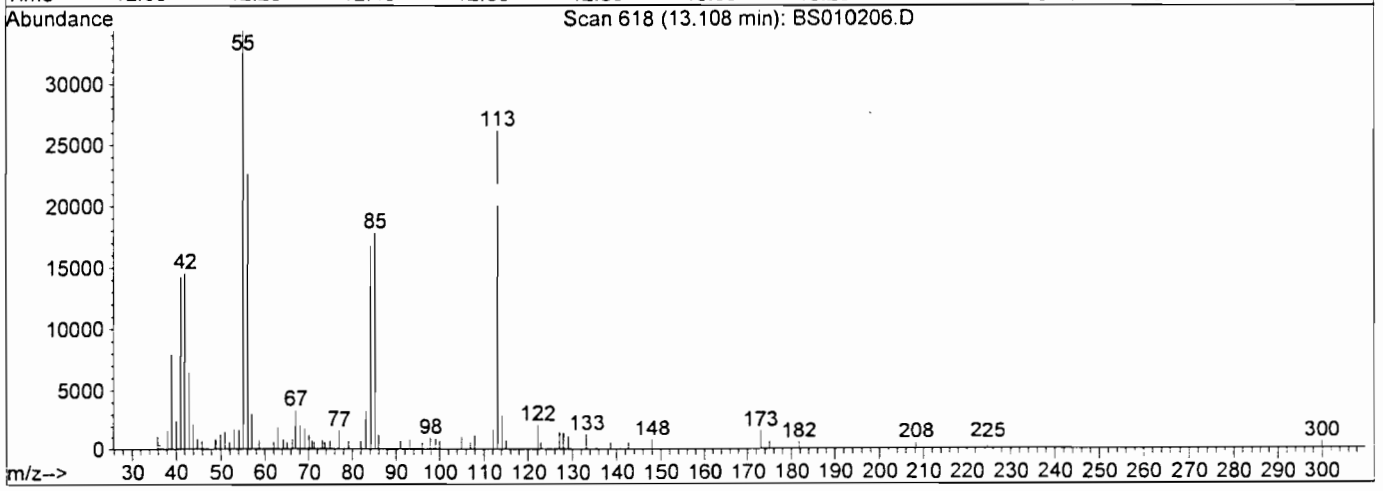
00105

Quantitation Report

Data File : F:\HPCHEM\1\DATA\BS010200\BS010206.D Vial: 6
Acq On : 2 Jan 2001 17:05 Operator: SJT
Sample : 160 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 3 14:24 2001 Quant Results File: temp.res

Method : F:\HPCHEM\1\METHODS\BS0102C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:47 2001
Response via : Single Level Calibration





TIC: BS010206.D

(36) Caprolactam

13.11min 146.60ng m

response 191985

Ion	Exp%	Act%
113.00	100	100
55.00	130.40	131.44
56.00	82.90	86.48
0.00	0.00	0.00

00106

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 12/29/00 Time: 1628

Lab File ID: BS122902.D Init. Calib. Date(s): 12/3/00 12/3/00

Init. Calib. Times: 1745 2053

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.155	1.261		-9.2	
1,2-Dichlorobenzene	1.174	1.235		-5.2	
1,3-Dichlorobenzene	1.268	1.340		-5.7	
1,4-Dichlorobenzene	1.288	1.319		-2.4	20.0
2,2'-oxybis(1-Chloropropane)	1.759	1.923		-9.3	
n-Nitroso-di-n-propylamine	0.843	0.790	0.050	6.3	
Hexachloroethane	0.690	0.560		18.8	
Nitrobenzene	0.314	0.343		-9.2	
Isophorone	0.685	0.745		-8.8	
bis(2-Chloroethoxy)methane	0.488	0.471		3.5	
1,2,4-Trichlorobenzene	0.303	0.297		2.0	
Naphthalene	0.787	0.788		-0.1	
4-Chloroaniline	0.394	0.407		-3.3	
Hexachlorobutadiene	0.160	0.154		3.8	20.0
2-Methylnaphthalene	0.572	0.582		-1.7	
Hexachlorocyclopentadiene	0.206	0.218	0.050	-5.8	
2-Chloronaphthalene	0.929	0.832		10.4	
2-Nitroaniline	0.391	0.344		12.0	
Dimethylphthalate	1.140	1.103		3.2	
Acenaphthylene	1.268	1.211		4.5	
2,6-Dinitrotoluene	0.290	0.289		0.3	
3-Nitroaniline	0.352	0.393		-11.6	
Acenaphthene	0.849	0.811		4.5	20.0
Dibenzofuran	1.441	1.293		10.3	
2,4-Dinitrotoluene	0.465	0.451		3.0	
Diethylphthalate	1.188	1.049		11.7	
4-Chlorophenyl-phenylether	0.491	0.519		-5.7	
Fluorene	1.001	0.986		1.5	
4-Nitroaniline	0.423	0.449		-6.1	
n-Nitrosodiphenylamine	0.408	0.402		1.5	20.0
4-Bromophenyl-phenylether	0.210	0.200		4.8	
Hexachlorobenzene	0.222	0.208		6.3	
Phenanthrene	0.782	0.747		4.5	
Anthracene	0.808	0.783		3.1	
Carbazole	0.914	0.874		4.4	
Di-n-butylphthalate	1.356	1.143		15.7	
Fluoranthene	0.874	0.901		-3.1	20.0

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 12/29/00 Time: 1628

Lab File ID: BS122902.D Init. Calib. Date(s): 12/3/00 12/3/00

Init. Calib. Times: 1745 2053

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.320	1.391		-5.4	
Butylbenzylphthalate	0.816	0.727		10.9	
3,3'-Dichlorobenzidine	0.240	0.283		-17.9	
Benzo(a)anthracene	0.836	0.906		-8.4	
Chrysene	0.762	0.946		-24.1	
Bis(2-Ethylhexyl)phthalate	0.874	0.881		-0.8	
Di-n-octyl phthalate	1.872	1.514		19.1	20.0
Benzo(b)fluoranthene	0.938	1.024		-9.2	
Benzo(k)fluoranthene	0.930	1.030		-10.8	
Benzo(a)pyrene	0.863	0.892		-3.4	20.0
Indeno(1,2,3-cd)pyrene	0.775	0.397		48.8	
Dibenzo(a,h)anthracene	0.656	0.409		37.7	
Benzo(g,h,i)perylene	0.687	0.344		49.9	
Nitrobenzene-d5	0.303	0.326		-7.6	
2-Fluorobiphenyl	1.073	1.014		5.5	
Terphenyl-d14	0.673	0.756		-12.3	

All other compounds must meet a minimum RRF of 0.010.

00108

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:15 2001 Quant Results File: BS1203C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.16	152	1102280	40.00	ng		0.15
22) Naphthalene-d8	11.87	136	4463215	40.00	ng		0.32
39) Acenaphthene-d10	15.67	164	2802960	40.00	ng		0.60
62) Phenanthrene-d10	18.88	188	5240311	40.00	ng		0.83
74) Chrysene-d12	24.65	240	4293398	40.00	ng		1.26
85) Perylene-d12	27.86	264	3515440	40.00	ng		1.34
System Monitoring Compounds							
4) 2-Fluorophenol	6.40	112	2383415	89.34	ng		0.01
6) Phenol-d5	8.57	99	3521026	89.84	ng		0.15
11) 2-Chlorophenol-d4	8.70	132	2541826	83.63	ng		0.14
14) 1,2-Dichlorobenzene-d4	9.49	152	1544865	82.37	ng		0.17
24) Nitrobenzene-d5	10.41	82	2911823	86.02	ng		0.24
41) 2,4,6-Tribromophenol	17.42	330	1156865	75.94	ng		0.73
44) 2-Fluorobiphenyl	14.27	172	5681621	75.56	ng		0.51
77) Terphenyl-d14	22.39	244	6493437	89.89	ng		1.09
Target Compounds							Qvalue
2) Pyridine	3.06	79	2358163	124.24	ng		93
3) n-Nitrosodimethylamine	3.11	74	1469308	111.68	ng		87
5) Aniline	8.52	93	4293715	96.70	ng	#	85
7) 2-Chlorophenol	8.73	128	2271937	79.50	ng		97
8) Benzaldehyde	8.24	77	1384013	319.04	ng		86
9) Phenol	8.58	94	3939420	89.00	ng		75
10) bis(2-Chloroethyl)ether	8.73	93	2779183	87.33	ng		95
12) 1,3-Dichlorobenzene	9.03	146	2955091	84.60	ng		99
13) 1,4-Dichlorobenzene	9.19	146	2907371	81.91	ng		96
15) 1,2-Dichlorobenzene	9.52	146	2723049	84.14	ng		99
16) Benzyl Alcohol	9.55	79	2210487	91.41	ng		93
17) 2,2'-oxybis(1-Chloropropan	9.85	45	4239291	87.44	ng	#	53
18) 2-Methylphenol	9.85	107	2316344	79.32	ng	#	91
19) Hexachloroethane	10.19	117	1233794	64.86	ng	#	90
20) n-Nitroso-di-n-propylamine	10.16	70	1742357	74.98	ng		96
21) 3+4-Methylphenols	10.19	107	4847934	146.74	ng		98
23) Acetophenone	10.09	105	3341003	73.71	ng		96
25) Nitrobenzene	10.44	77	3065495	87.40	ng		95
26) Isophorone	10.97	82	6649447	87.05	ng		99
27) 2-Nitrophenol	11.11	139	1841733	83.76	ng	#	89
28) 2,4-Dimethylphenol	11.29	122	2029842	74.34	ng		92
29) bis(2-Chloroethoxy)methane	11.49	93	4206738	77.26	ng		100
30) 2,4-Dichlorophenol	11.64	162	2344745	77.12	ng		97
31) 1,2,4-Trichlorobenzene	11.79	180	2654537	78.50	ng		96
32) Naphthalene	11.92	128	7032828	80.10	ng		98
33) Benzoic acid	11.70	122	1816100	88.25	ng		91

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:15 2001 Quant Results File: BS1203C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	4-Chloroaniline	12.13	127	3629252	82.49	ng		95
35)	Hexachlorobutadiene	12.23	225	1376786	76.94	ng		97
36)	Caprolactam	13.07	113	154789m	83.27	ng		87
37)	4-Chloro-3-methylphenol	13.22	107	2568006	71.64	ng		96
38)	2-Methylnaphthalene	13.42	142	5199579	81.50	ng		99
40)	Hexachlorocyclopentadiene	13.79	237	1224017	85.00	ng		98
42)	2,4,6-Trichlorophenol	14.09	196	1840833	79.84	ng		97
43)	2,4,5-Trichlorophenol	14.17	196	2174413	83.53	ng	#	88
45)	1,1'-Biphenyl	14.45	154	4514670	72.10	ng		93
46)	2-Chloronaphthalene	14.49	162	4666274	71.64	ng		96
47)	2-Nitroaniline	14.80	65	1927774	70.37	ng		85
48)	Acenaphthylene	15.36	152	6786351	76.39	ng		99
49)	Dimethylphthalate	15.23	163	6184221	77.40	ng		99
50)	2,6-Dinitrotoluene	15.37	165	1620651	79.88	ng	#	85
51)	Acenaphthene	15.75	154	4547064	76.43	ng		99
52)	3-Nitroaniline	15.70	138	2204321	89.28	ng		88
53)	2,4-Dinitrophenol	15.93	184	1399910	127.25	ng	#	91
54)	Dibenzofuran	16.11	168	7245762	71.73	ng		95
55)	4-Nitrophenol	16.13	139	3656133	68.56	ng		26
56)	2,4-Dinitrotoluene	16.23	165	2528302	77.63	ng	#	84
57)	Fluorene	16.86	166	5527936	78.79	ng		99
58)	Diethylphthalate	16.76	149	5879389	70.60	ng		98
59)	4-Chlorophenyl-phenylether	16.91	204	2906942	84.46	ng		92
60)	4-Nitroaniline	17.07	138	2516274	84.98	ng		87
61)	Azobenzene	17.23	77	7772302	69.97	ng		99
63)	4,6-Dinitro-2-methylphenol	17.10	198	1737778m	98.77	ng		72
64)	n-Nitrosodiphenylamine	17.20	169	4215137	78.89	ng		99
65)	4-Bromophenyl-phenylether	17.96	248	2094281	76.28	ng	#	90
66)	Hexachlorobenzene	18.09	284	2179689	74.93	ng	#	88
67)	Atrazine	18.42	200	1758903	82.32	ng		99
68)	Pentachlorophenol	18.54	266	1619109	92.77	ng		96
69)	Phenanthrene	18.95	178	7828774	76.41	ng		100
70)	Anthracene	19.05	178	8205984	77.50	ng		98
71)	Carbazole	19.46	167	9155894	76.47	ng		99
72)	Di-n-butylphthalate	20.27	149	11977160	67.41	ng		99
73)	Fluoranthene	21.52	202	9444769	82.45	ng		96
75)	Benzidine	21.88	184	1454405	121.44	ng		100
76)	Pyrene	22.01	202	11940282	84.26	ng		99
78)	Butylbenzylphthalate	23.51	149	6246115	71.30	ng		94
79)	Benzo(a)anthracene	24.60	228	7783265	86.70	ng		99
80)	3,3'-Dichlorobenzidine	24.61	252	2433139	94.40	ng		97
81)	Chrysene	24.70	228	8119531	99.29	ng		99
82)	Bis(2-ethylhexyl)phthalate	24.73	149	7563824	80.65	ng		97
83)	Di-n-octyl phthalate	26.05	149	12996706m	64.67	ng		96

Himadri 01/02/01

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:15 2001 Quant Results File: BS1203C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

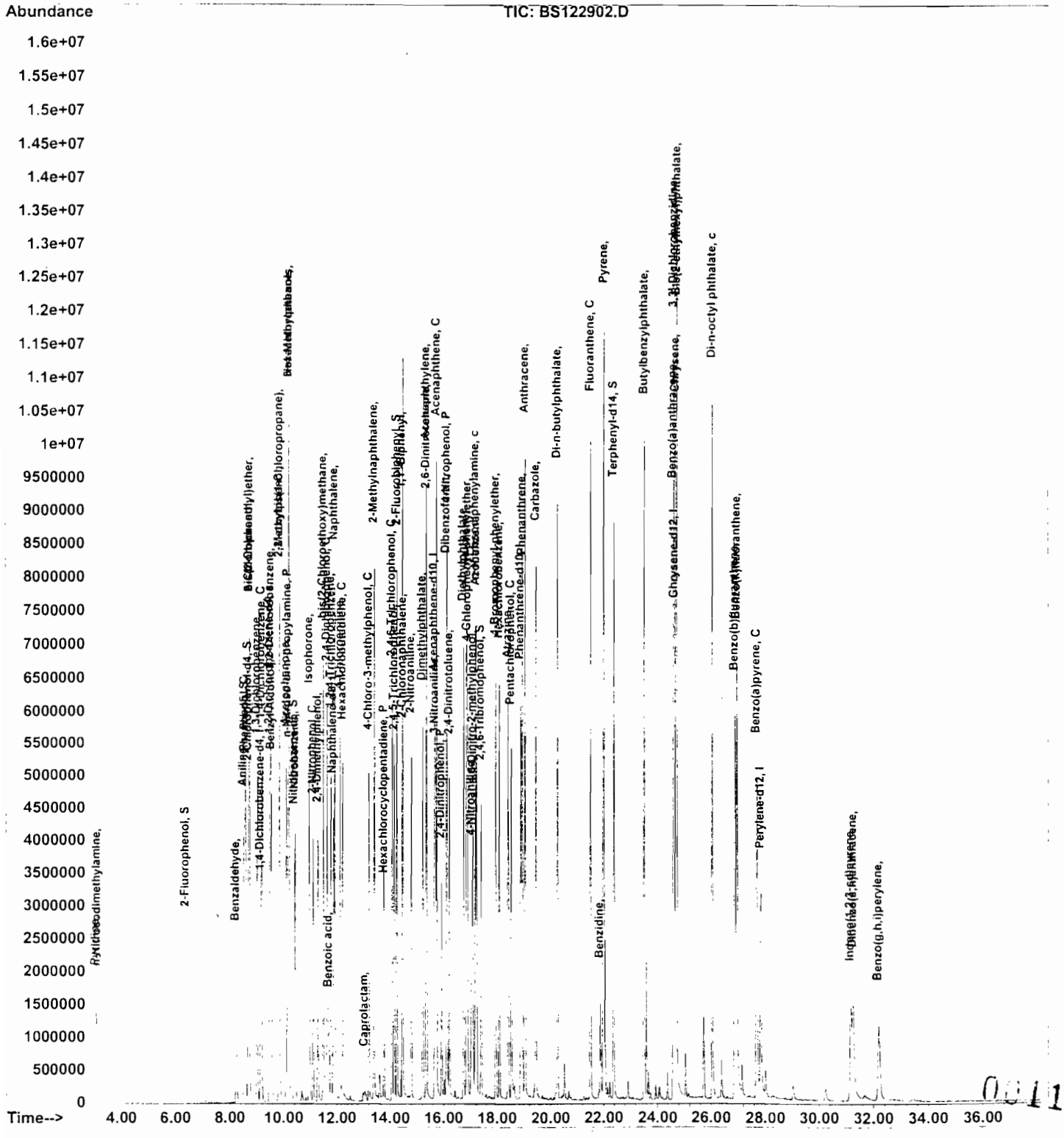
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84) Indeno(1,2,3-cd)pyrene	31.18	276	3405480	40.93	ng		75
86) Benzo(b)fluoranthene	26.90	252	7196968	87.29	ng		95
87) Benzo(k)fluoranthene	26.97	252	7241878	88.56	ng		99
88) Benzo(a)pyrene	27.71	252	6274976	82.77	ng	#	90
89) Dibenzo(a,h)anthracene	31.28	278	2878122m	49.89	ng		84
90) Benzo(g,h,i)perylene	32.20	276	2418259m	40.08	ng		0

01/02/0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:15 2001 Quant Results File: BS1203C.RES

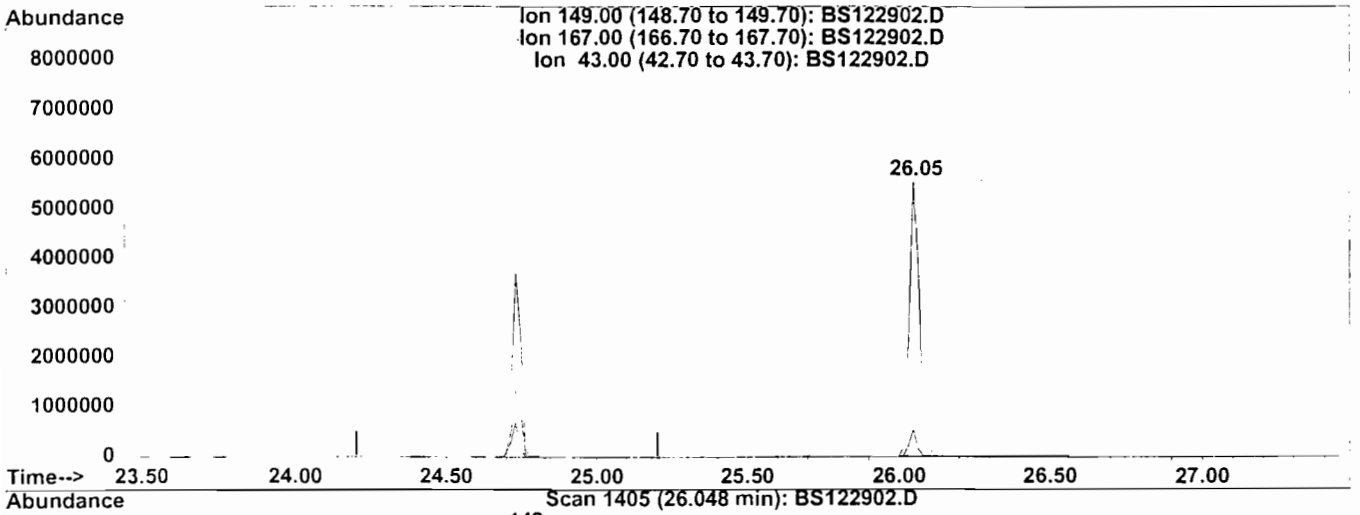
Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Multiple Level Calibration

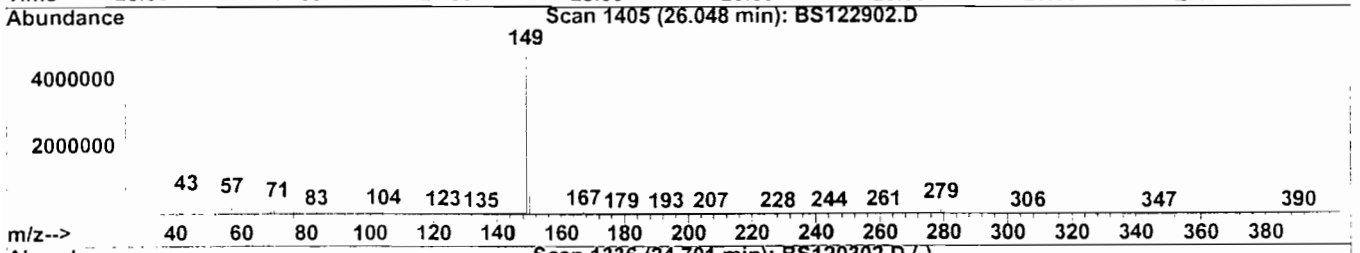


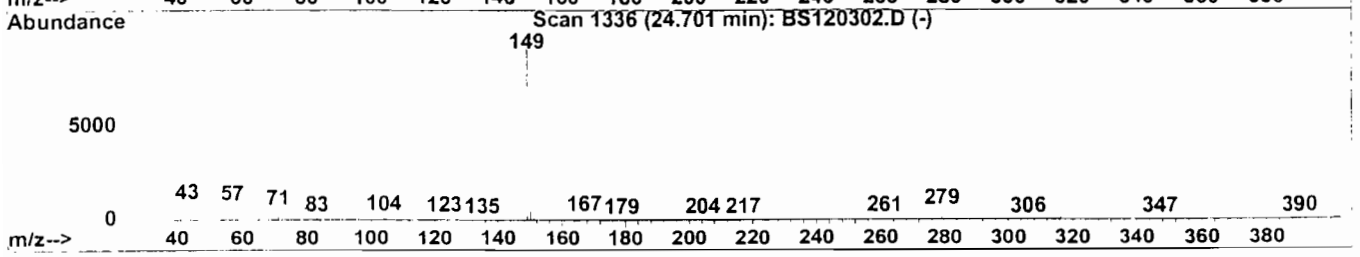
Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:12 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Multiple Level Calibration







TIC: BS122902.D

(83) Di-n-octyl phthalate (c)

26.05min 64.67ng m

response 12996706

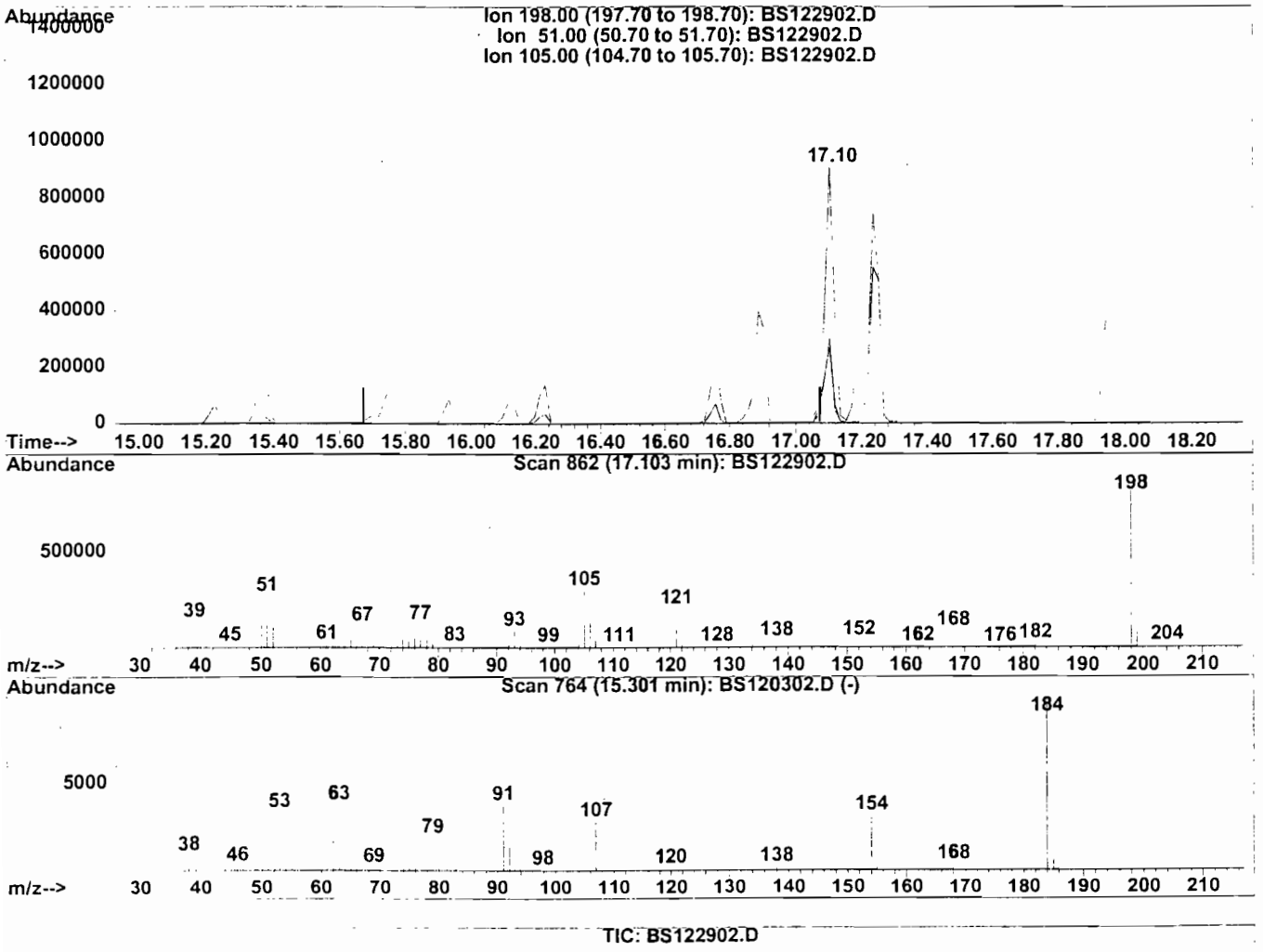
Ion	Exp%	Act%
149.00	100	100
167.00	1.50	1.63
43.00	8.90	9.77
0.00	0.00	0.00

00113

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:14 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Multiple Level Calibration



TIC: BS122902.D

(63) 4,6-Dinitro-2-methylphenol

17.10min 98.77ng m

response 1737778

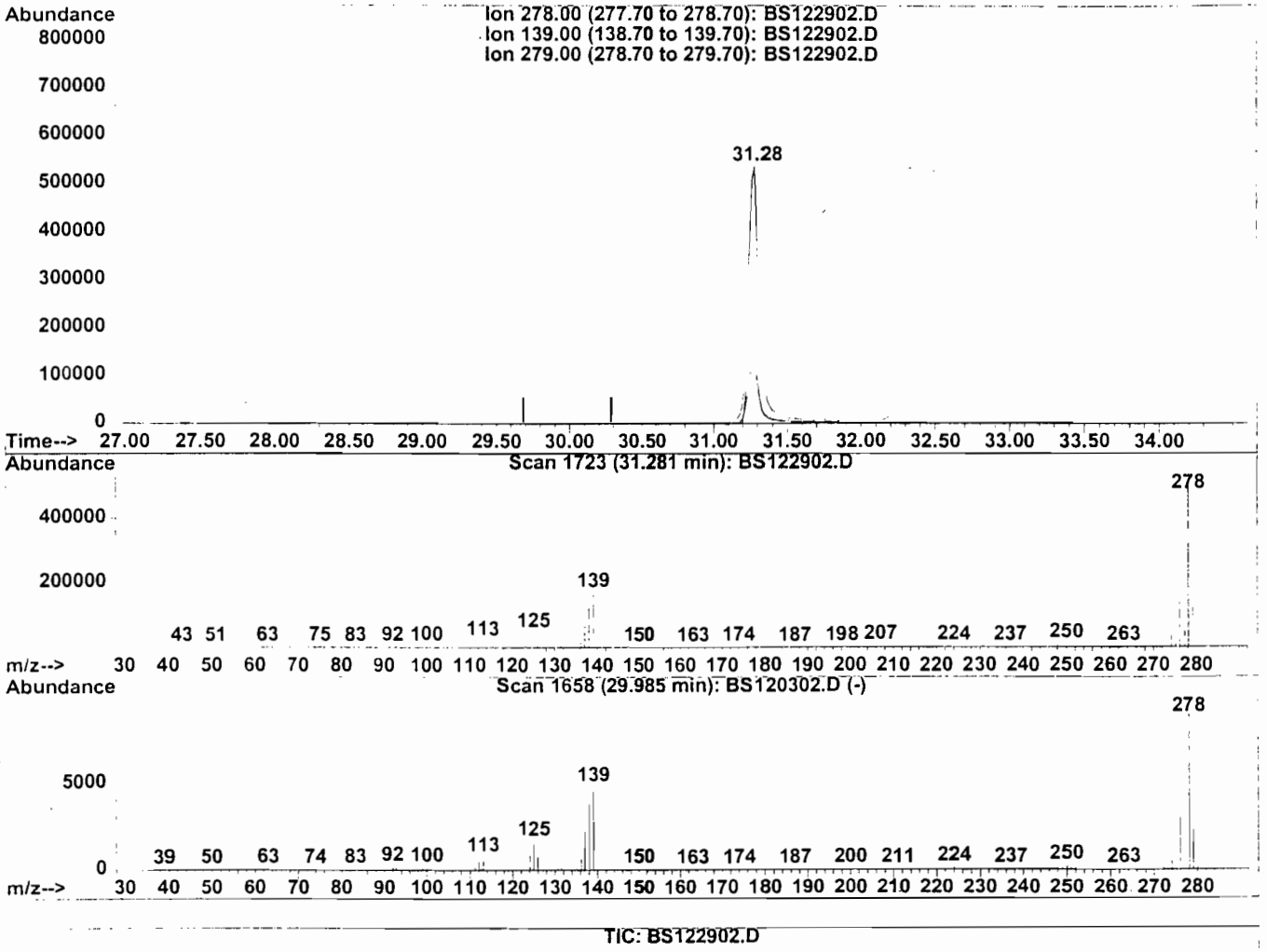
Ion	Exp%	Act%
198.00	100	100
51.00	51.90	29.38
105.00	50.10	33.02
0.00	0.00	0.00

00114

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:15 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Multiple Level Calibration



(89) Dibenzo(a,h)anthracene

31.28min 49.89ng m

response 2878122

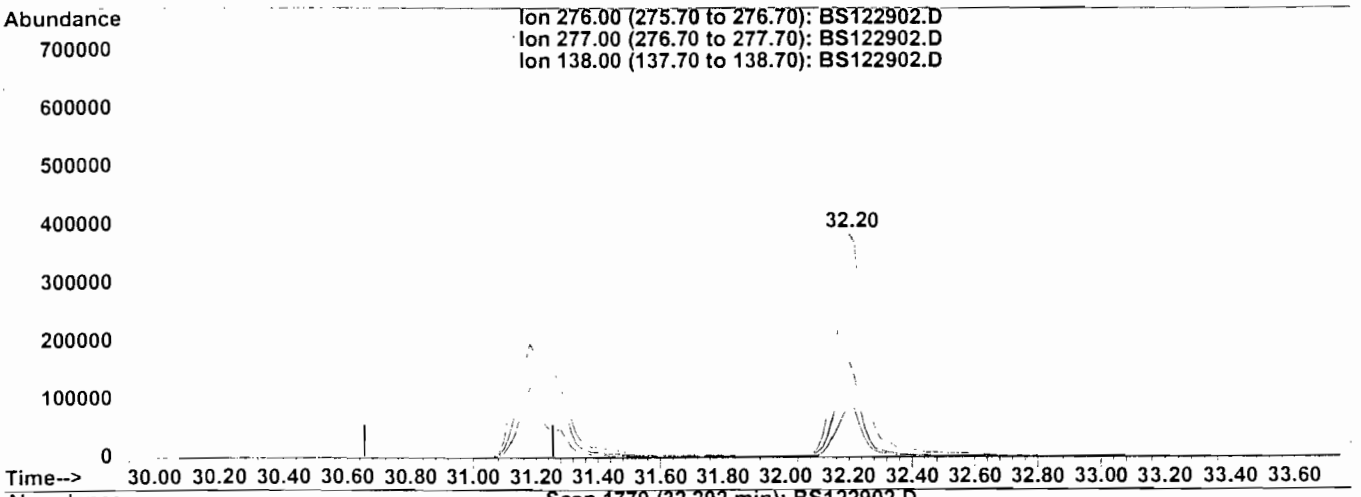
Ion	Exp%	Act%
278.00	100	100
139.00	48.10	31.94
279.00	23.30	23.14
0.00	0.00	0.00

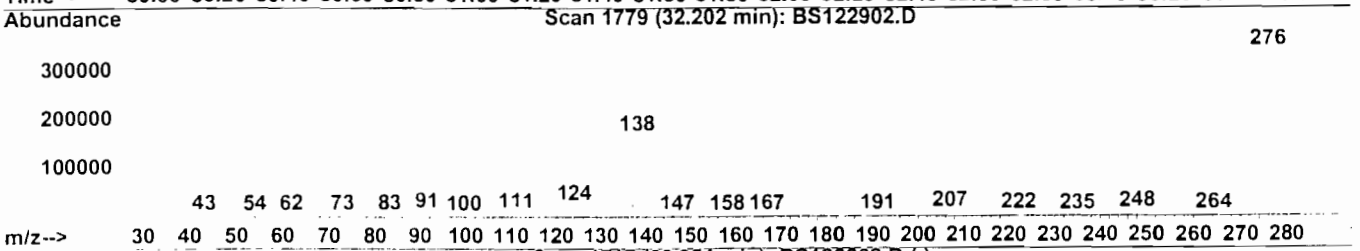
00115

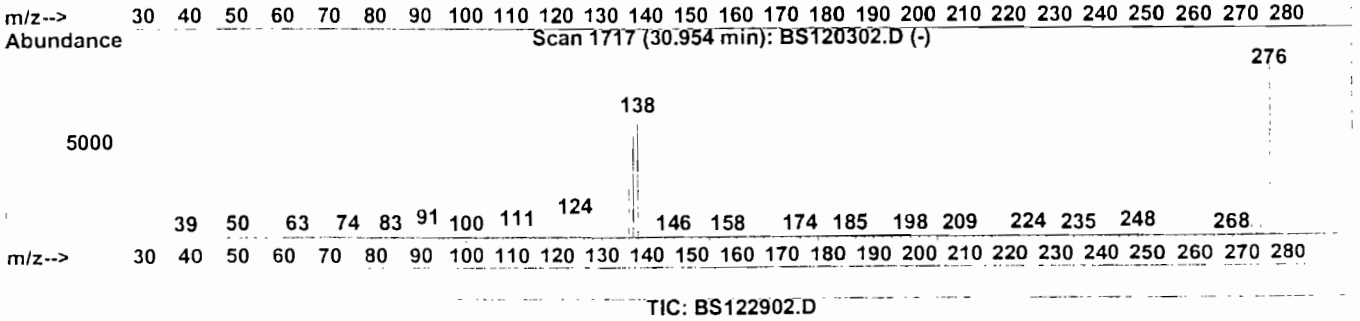
Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 14:15 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:17 2000
Response via : Multiple Level Calibration







TIC: BS122902.D

(90) Benzo(g,h,i)perylene

32.20min 40.08ng m

response 2418259

Ion	Exp%	Act%
276.00	100	100
277.00	22.70	22.50
138.00	63.60	42.92
0.00	0.00	0.00

00116

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 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	182#	0.15
2		Pyridine	0.689	1.070	-55.3#	261#	-0.07
3		n-Nitrosodimethylamine	0.477	0.666	-39.6#	236#	-0.07
4	S	2-Fluorophenol	0.968	1.081	-11.7	195#	0.01
5		Aniline	1.611	1.948	-20.9#	217#	0.10
6	S	Phenol-d5	1.422	1.597	-12.3	200#	0.15
7		2-Chlorophenol	1.037	1.031	0.6	176#	0.14
8		Benzaldehyde	0.157	0.628	-300.0#	401#	0.09
9	C	Phenol	1.606	1.787	-11.3	196#	0.15
10		bis(2-Chloroethyl)ether	1.155	1.261	-9.2	192#	0.14
11	S	2-Chlorophenol-d4	1.103	1.153	-4.5	180#	0.14
12		1,3-Dichlorobenzene	1.268	1.340	-5.7	188#	0.14
13	C	1,4-Dichlorobenzene	1.288	1.319	-2.4	178#	0.15
14	s	1,2-Dichlorobenzene-d4	0.681	0.701	-2.9	174#	0.17
15		1,2-Dichlorobenzene	1.174	1.235	-5.2	179#	0.17
16		Benzyl Alcohol	0.878	1.003	-14.2	194#	0.19
17		2,2'-oxybis(1-Chloropropane	1.759	1.923	-9.3	189#	0.20
18		2-Methylphenol	1.060	1.051	0.8	171#	0.24
19		Hexachloroethane	0.690	0.560	18.8	138	0.22
20	P	n-Nitroso-di-n-propylamine	0.843	0.790	6.3	171#	0.24
21		3+4-Methylphenols	1.199	1.100	8.3	161#	0.25
22	I	Naphthalene-d8	1.000	1.000	0.0	179#	0.32
23		Acetophenone	0.406	0.374	7.9	166#	0.22
24	S	Nitrobenzene-d5	0.303	0.326	-7.6	193#	0.24
25		Nitrobenzene	0.314	0.343	-9.2	193#	0.24
26		Isophorone	0.685	0.745	-8.8	196#	0.29
27	C	2-Nitrophenol	0.197	0.206	-4.6	190#	0.29
28		2,4-Dimethylphenol	0.245	0.227	7.3	172#	0.32
29		bis(2-Chloroethoxy)methane	0.488	0.471	3.5	185#	0.32
30	C	2,4-Dichlorophenol	0.273	0.263	3.7	171#	0.34
31		1,2,4-Trichlorobenzene	0.303	0.297	2.0	177#	0.34
32		Naphthalene	0.787	0.788	-0.1	177#	0.34
33		Benzoic acid	0.184	0.203	-10.3	183#	0.42
34		4-Chloroaniline	0.394	0.407	-3.3	178#	0.37
35	C	Hexachlorobutadiene	0.160	0.154	3.8	169#	0.37
36		Caprolactam	0.017	0.017	0.0	175#	0.48
37	C	4-Chloro-3-methylphenol	0.321	0.288	10.3	160#	0.45
38		2-Methylnaphthalene	0.572	0.582	-1.7	185#	0.43
39	I	Acenaphthene-d10	1.000	1.000	0.0	192#	0.60#
40	P	Hexachlorocyclopentadiene	0.206	0.218	-5.8	182#	0.48
41	S	2,4,6-Tribromophenol	0.217	0.206	5.1	166#	0.73#

00117

= Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 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)
42	C	2,4,6-Trichlorophenol	0.329	0.328	0.3	185#	0.51#
43		2,4,5-Trichlorophenol	0.371	0.388	-4.6	186#	0.52#
44	S	2-Fluorobiphenyl	1.073	1.014	5.5	169#	0.51#
45		1,1'-Biphenyl	0.894	0.805	10.0	166#	0.51#
46		2-Chloronaphthalene	0.929	0.832	10.4	166#	0.52#
47		2-Nitroaniline	0.391	0.344	12.0	157#	0.55#
48		Acenaphthylene	1.268	1.211	4.5	175#	0.57#
49		Dimethylphthalate	1.140	1.103	3.2	176#	0.59#
50		2,6-Dinitrotoluene	0.290	0.289	0.3	174#	0.59#
51	C	Acenaphthene	0.849	0.811	4.5	175#	0.60#
52		3-Nitroaniline	0.352	0.393	-11.6	215#	0.62#
53	P	2,4-Dinitrophenol	0.157	0.250	-59.2#	269#	0.63#
54		Dibenzofuran	1.441	1.293	10.3	163#	0.63#
55	P	4-Nitrophenol	0.761	0.652	14.3	156#	0.65#
56		2,4-Dinitrotoluene	0.465	0.451	3.0	176#	0.66#
57		Fluorene	1.001	0.986	1.5	177#	0.68#
58		Diethylphthalate	1.188	1.049	11.7	158#	0.70#
59		4-Chlorophenyl-phenylether	0.491	0.519	-5.7	186#	0.70#
60		4-Nitroaniline	0.423	0.449	-6.1	184#	0.73#
61		Azobenzene	1.585	1.386	12.6	158#	0.71#
62	I	Phenanthrene-d10	1.000	1.000	0.0	196#	0.83#
63		4,6-Dinitro-2-methylphenol	0.134	0.166	-23.9#	214#	0.73#
64	C	n-Nitrosodiphenylamine	0.408	0.402	1.5	185#	0.73#
65		4-Bromophenyl-phenylether	0.210	0.200	4.8	175#	0.78#
66		Hexachlorobenzene	0.222	0.208	6.3	172#	0.78#
67		Atrazine	0.163	0.168	-3.1	190#	0.82#
68	C	Pentachlorophenol	0.133	0.154	-15.8	207#	0.82#
69		Phenanthrene	0.782	0.747	4.5	178#	0.85#
70		Anthracene	0.808	0.783	3.1	185#	0.85#
71		Carbazole	0.914	0.874	4.4	175#	0.88#
72		Di-n-butylphthalate	1.356	1.143	15.7	161#	0.95#
73	C	Fluoranthene	0.874	0.901	-3.1	195#	1.02#
74	I	Chrysene-d12	1.000	1.000	0.0	182#	1.26#
75		Benzidine	0.112	0.169	-50.9#	196#	1.05#
76		Pyrene	1.320	1.391	-5.4	187#	1.06#
77	S	Terphenyl-d14	0.673	0.756	-12.3	192#	1.09#
78		Butylbenzylphthalate	0.816	0.727	10.9	161#	1.19#
79		Benzo(a)anthracene	0.836	0.906	-8.4	190#	1.24#
80		3,3'-Dichlorobenzidine	0.240	0.283	-17.9	193#	1.26#
81		Chrysene	0.762	0.946	-24.1#	224#	1.26#
82		Bis(2-ethylhexyl)phthalate	0.874	0.881	-0.8	181#	1.28#

00118

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122902.D Vial: 2
Acq On : 29 Dec 2000 16:28 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 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)
83	c	Di-n-octyl phthalate	1.872	1.514	19.1	139	1.35#
84		Indeno(1,2,3-cd)pyrene	0.775	0.397	48.8#	89	1.28#
85	I	Perylene-d12	1.000	1.000	0.0	160#	1.34#
86		Benzo(b)fluoranthene	0.938	1.024	-9.2	175#	1.33#
87		Benzo(k)fluoranthene	0.930	1.030	-10.8	164#	1.32#
88	C	Benzo(a)pyrene	0.863	0.892	-3.4	159#	1.34#
89		Dibenzo(a,h)anthracene	0.656	0.409	37.7#	95	1.30#
90		Benzo(g,h,i)perylene	0.687	0.344	49.9#	77	1.25#

00119

(#) = Out of Range SPCC's out = 0 CCC's out = 0
BS122902.D BS1203C.M Tue Jan 02 14:16:49 2001 RPT1 Page 3

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 1/5/01 Time: 2256

Lab File ID: BS010515.D Init. Calib. Date(s): 1/2/01 1/2/01

Init. Calib. Times: 1332 1705

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.287	1.244		3.3	
1,2-Dichlorobenzene	1.195	1.338		-12.0	
1,3-Dichlorobenzene	1.286	1.395		-8.5	
1,4-Dichlorobenzene	1.288	1.438		-11.6	20.0
2,2'-oxybis(1-Chloropropane)	1.968	1.422		27.7	
n-Nitroso-di-n-propylamine	0.740	0.715	0.050	3.4	
Hexachloroethane	0.589	0.651		-10.5	
Nitrobenzene	0.332	0.300		9.6	
Isophorone	0.730	0.647		11.4	
bis(2-Chloroethoxy)methane	0.482	0.458		5.0	
1,2,4-Trichlorobenzene	0.278	0.302		-8.6	
Naphthalene	0.772	0.940		-21.8	
4-Chloroaniline	0.358	0.386		-7.8	
Hexachlorobutadiene	0.147	0.167		-13.6	20.0
2-Methylnaphthalene	0.531	0.574		-8.1	
Hexachlorocyclopentadiene	0.224	0.195	0.050	12.9	
2-Chloronaphthalene	0.816	0.920		-12.7	
2-Nitroaniline	0.325	0.245		24.6	
Dimethylphthalate	1.073	1.061		1.1	
Acenaphthylene	1.237	1.360		-9.9	
2,6-Dinitrotoluene	0.279	0.264		5.4	
3-Nitroaniline	0.348	0.349		-0.3	
Acenaphthene	0.829	0.900		-8.6	20.0
Dibenzofuran	1.338	1.381		-3.2	
2,4-Dinitrotoluene	0.437	0.388		11.2	
Diethylphthalate	1.105	1.050		5.0	
4-Chlorophenyl-phenylether	0.501	0.540		-7.8	
Fluorene	1.018	1.075		-5.6	
4-Nitroaniline	0.401	0.350		12.7	
n-Nitrosodiphenylamine	0.398	0.407		-2.3	20.0
4-Bromophenyl-phenylether	0.208	0.256		-23.1	
Hexachlorobenzene	0.199	0.246		-23.6	
Phenanthrene	0.752	0.924		-22.9	
Anthracene	0.777	0.938		-20.7	
Carbazole	0.869	0.895		-3.0	
Di-n-butylphthalate	1.174	1.202		-2.4	
Fluoranthene	0.872	1.046		-20.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 1/5/01 Time: 2256

Lab File ID: BS010515.D Init. Calib. Date(s): 1/2/01 1/2/01

Init. Calib. Times: 1332 1705

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.330	1.180		11.3	
Butylbenzylphthalate	0.703	0.633		10.0	
3,3'-Dichlorobenzidine	0.252	0.233		7.5	
Benzo(a)anthracene	0.838	0.964		-15.0	
Chrysene	0.839	0.862		-2.7	
Bis(2-Ethylhexyl)phthalate	0.857	0.731		14.7	
Di-n-octyl phthalate	1.548	1.327		14.3	20.0
Benzo(b)fluoranthene	0.938	1.136		-21.1	
Benzo(k)fluoranthene	0.924	1.102		-19.3	
Benzo(a)pyrene	0.878	1.040		-18.5	20.0
Indeno(1,2,3-cd)pyrene	0.850	0.790		7.1	
Dibenzo(a,h)anthracene	0.686	0.751		-9.5	
Benzo(g,h,i)perylene	0.717	0.743		-3.6	
Nitrobenzene-d5	0.317	0.282		11.0	
2-Fluorobiphenyl	1.044	1.110		-6.3	
Terphenyl-d14	0.697	0.750		-7.6	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 13:54 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.09	152	783385	40.00	ng		-0.02
22) Naphthalene-d8	11.81	136	3152515	40.00	ng		-0.02
39) Acenaphthene-d10	15.61	164	1900766	40.00	ng		-0.02
62) Phenanthrene-d10	18.81	188	3223973	40.00	ng		-0.03
74) Chrysene-d12	24.56	240	3021594	40.00	ng		-0.04
85) Perylene-d12	27.75	264	2620626	40.00	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	6.36	112	1856731	92.05	ng		0.00
6) Phenol-d5	8.51	99	2597513	86.10	ng		0.00
11) 2-Chlorophenol-d4	8.64	132	1952188	85.39	ng		0.00
14) 1,2-Dichlorobenzene-d4	9.42	152	1166854	88.03	ng		-0.02
24) Nitrobenzene-d5	10.34	82	1776490	71.01	ng		-0.02
41) 2,4,6-Tribromophenol	17.36	330	795410	82.31	ng		0.00
44) 2-Fluorobiphenyl	14.20	172	4218482	85.06	ng		-0.02
77) Terphenyl-d14	22.32	244	4530636	86.02	ng		-0.03
Target Compounds							Qvalue
2) Pyridine	3.00	79	1328092	74.00	ng		94
3) n-Nitrosodimethylamine	3.05	74	839811	67.57	ng		97
5) Aniline	8.46	93	3085495	85.56	ng	#	89
7) 2-Chlorophenol	8.68	128	1932573	92.11	ng		85
8) Benzaldehyde	8.20	77	107567	13.53	ng	#	75
9) Phenol	8.55	94	2704405	77.32	ng		96
10) bis(2-Chloroethyl)ether	8.66	93	1949541	77.35	ng		90
12) 1,3-Dichlorobenzene	8.96	146	2185845	86.82	ng		95
13) 1,4-Dichlorobenzene	9.12	146	2253367	89.30	ng		97
15) 1,2-Dichlorobenzene	9.45	146	2096855	89.59	ng		96
16) Benzyl Alcohol	9.50	79	1401301	70.37	ng	#	86
17) 2,2'-oxybis(1-Chloropropan	9.78	45	2227338	57.79	ng		73
18) 2-Methylphenol	9.80	107	1819939	85.26	ng		91
19) Hexachloroethane	10.13	117	1019469	88.38	ng		95
20) n-Nitroso-di-n-propylamine	10.09	70	1120615	77.36	ng	#	91
21) 3+4-Methylphenols	10.14	107	4101202	176.84	ng		94
23) Acetophenone	10.04	105	2525649	85.31	ng		81
25) Nitrobenzene	10.39	77	1889803	72.32	ng		76
26) Isophorone	10.90	82	4077225	70.89	ng		92
27) 2-Nitrophenol	11.05	139	1313455	85.28	ng		92
28) 2,4-Dimethylphenol	11.23	122	1848569	95.14	ng		92
29) bis(2-Chloroethoxy)methane	11.43	93	2889958	76.09	ng		97
30) 2,4-Dichlorophenol	11.58	162	1827251	91.65	ng		96
31) 1,2,4-Trichlorobenzene	11.73	180	1901710	86.79	ng		98
32) Naphthalene	11.86	128	5927954	97.44	ng		99
33) Benzoic acid	11.64	122	889134	69.60	ng		94

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 13:54 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34) 4-Chloroaniline	12.07	127	2431087	86.12 ng	#	94
35) Hexachlorobutadiene	12.17	225	1052176	91.12 ng		98
36) Caprolactam	12.90	113	90694m	78.43 ng		66
37) 4-Chloro-3-methylphenol	13.18	107	1925228	89.60 ng		89
38) 2-Methylnaphthalene	13.36	142	3617344	86.40 ng		94
40) Hexachlorocyclopentadiene	13.72	237	740074	69.39 ng		98
42) 2,4,6-Trichlorophenol	14.03	196	1322874	84.49 ng		98
43) 2,4,5-Trichlorophenol	14.12	196	1498981	84.68 ng		96
45) 1,1'-Biphenyl	14.40	154	3406695	87.72 ng		92
46) 2-Chloronaphthalene	14.41	162	3498776	90.24 ng		97
47) 2-Nitroaniline	14.73	65	931177	60.23 ng	#	72
48) Acenaphthylene	15.30	152	5171630	88.00 ng		98
49) Dimethylphthalate	15.17	163	4031801	79.07 ng		99
50) 2,6-Dinitrotoluene	15.32	165	1002014	75.69 ng	#	82
51) Acenaphthene	15.68	154	3423076	86.86 ng		94
52) 3-Nitroaniline	15.65	138	1327067	80.29 ng		89
53) 2,4-Dinitrophenol	15.89	184	511101	44.25 ng		93
54) Dibenzofuran	16.06	168	5251431	82.61 ng	#	81
55) 4-Nitrophenol	16.06	139	2443328	79.85 ng		60
56) 2,4-Dinitrotoluene	16.16	165	1473626	70.94 ng		97
57) Fluorene	16.80	166	4085955	84.48 ng		95
58) Diethylphthalate	16.70	149	3990576	75.98 ng		98
59) 4-Chlorophenyl-phenylether	16.83	204	2051594	86.11 ng		97
60) 4-Nitroaniline	16.98	138	1329870	69.74 ng		88
61) Azobenzene	17.18	77	4614979	66.38 ng		91
63) 4,6-Dinitro-2-methylphenol	17.05	198	1052048	81.90 ng		96
64) n-Nitrosodiphenylamine	17.13	169	2624823	81.76 ng		95
65) 4-Bromophenyl-phenylether	17.89	248	1653601	98.50 ng		96
66) Hexachlorobenzene	18.02	284	1584567	98.60 ng		95
67) Atrazine	18.36	200	1107701	87.73 ng		98
68) Pentachlorophenol	18.48	266	900332	76.25 ng		96
69) Phenanthrene	18.88	178	5959961	98.29 ng		98
70) Anthracene	18.97	178	6046112	96.54 ng		97
71) Carbazole	19.39	167	5768357	82.33 ng		98
72) Di-n-butylphthalate	20.21	149	7749275	81.89 ng		99
73) Fluoranthene	21.44	202	6743247	95.90 ng		93
75) Benzidine	21.81	184	597826	54.33 ng		96
76) Pyrene	21.92	202	7132916	70.99 ng		97
78) Butylbenzylphthalate	23.44	149	3823518	72.03 ng		92
79) Benzo(a)anthracene	24.53	228	5823810	92.02 ng		96
80) 3,3'-Dichlorobenzidine	24.54	252	1406380	73.92 ng		95
81) Chrysene	24.63	228	5206546	82.20 ng		97
82) Bis(2-ethylhexyl)phthalate	24.66	149	4415022	68.22 ng		98
83) Di-n-octyl phthalate	25.98	149	8017973	68.59 ng	#	95

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01/06/0

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 13:54 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84)	Indeno(1,2,3-cd)pyrene	31.05	276	4771875	74.32	ng		82
86)	Benzo(b)fluoranthene	26.82	252	5952285	96.87	ng		90
87)	Benzo(k)fluoranthene	26.88	252	5773490	95.35	ng		96
88)	Benzo(a)pyrene	27.61	252	5450385	94.80	ng	#	92
89)	Dibenzo(a,h)anthracene	31.13	278	3934210	87.49	ng	#	82
90)	Benzo(g,h,i)perylene	32.07	276	3892465	82.87	ng	#	79

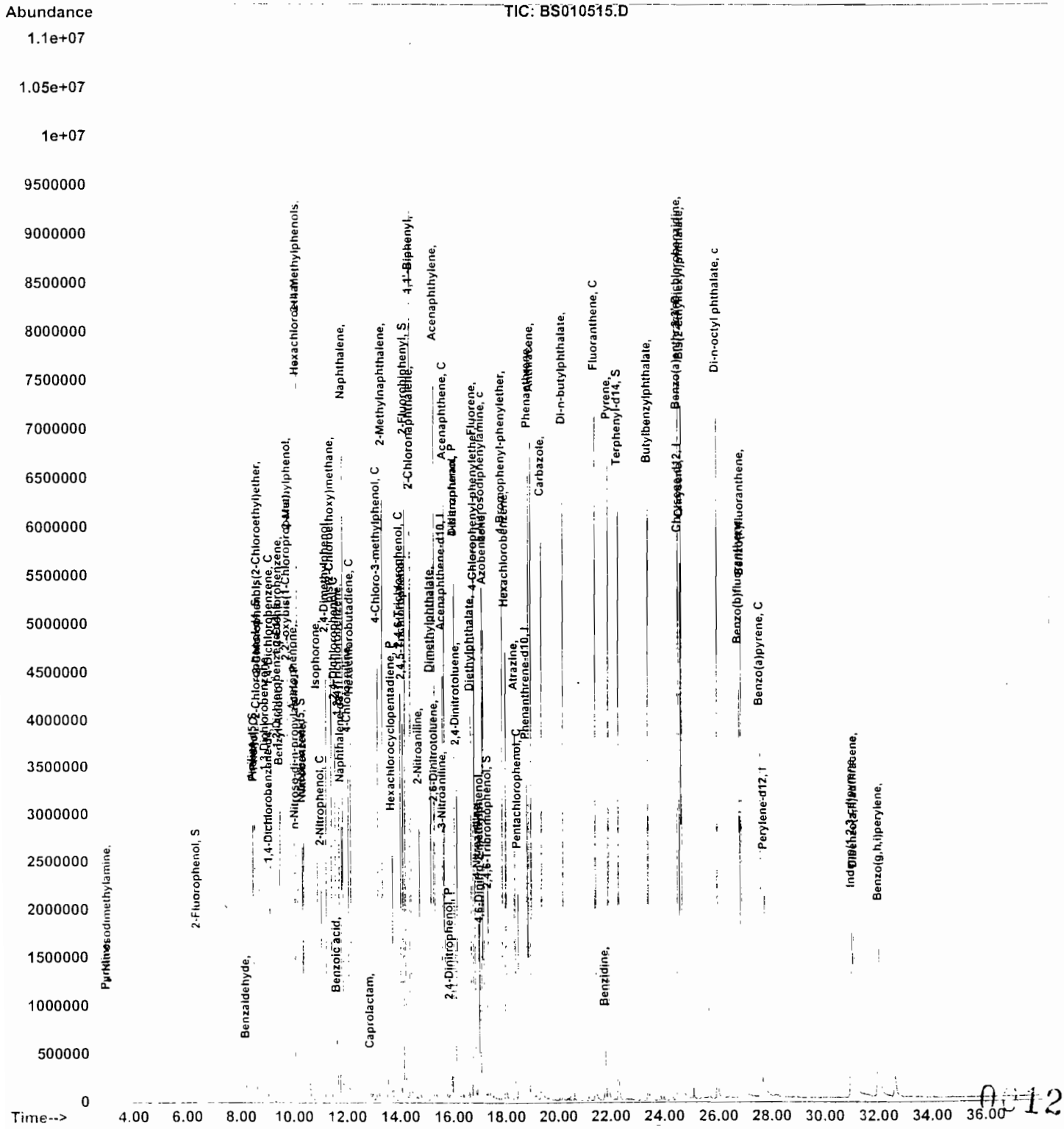
00124

= qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 6 13:54 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
Response via : Multiple Level Calibration



0125

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
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	76	-0.02
2		Pyridine	0.916	0.848	7.4	62	-0.02
3		n-Nitrosodimethylamine	0.635	0.536	15.6	58	-0.02
4	S	2-Fluorophenol	1.030	1.185	-15.0	81	0.00
5		Aniline	1.841	1.969	-7.0	79	-0.02
6	S	Phenol-d5	1.540	1.658	-7.7	80	0.00
7		2-Chlorophenol	1.071	1.233	-15.1	86	0.00
8		Benzaldehyde	0.406	0.069	83.0#	8#	0.00
9	C	Phenol	1.786	1.726	3.4	71	0.00
10		bis(2-Chloroethyl)ether	1.287	1.244	3.3	72	-0.02
11	S	2-Chlorophenol-d4	1.167	1.246	-6.8	76	0.00
12		1,3-Dichlorobenzene	1.286	1.395	-8.5	79	-0.02
13	C	1,4-Dichlorobenzene	1.288	1.438	-11.6	80	-0.02
14	S	1,2-Dichlorobenzene-d4	0.677	0.745	-10.0	77	-0.02
15		1,2-Dichlorobenzene	1.195	1.338	-12.0	81	-0.02
16		Benzyl Alcohol	1.017	0.894	12.1	62	-0.02
17		2,2'-oxybis(1-Chloropropane	1.968	1.422	27.7#	51	-0.04
18		2-Methylphenol	1.090	1.162	-6.6	78	0.00
19		Hexachloroethane	0.589	0.651	-10.5	81	-0.02
20	P	n-Nitroso-di-n-propylamine	0.740	0.715	3.4	72	-0.02
21		3+4-Methylphenols	1.184	1.309	-10.6	83	-0.02
22	I	Naphthalene-d8	1.000	1.000	0.0	72	-0.02
23		Acetophenone	0.376	0.401	-6.6	73	-0.02
24	S	Nitrobenzene-d5	0.317	0.282	11.0	62	-0.02
25		Nitrobenzene	0.332	0.300	9.6	61	-0.02
26		Isophorone	0.730	0.647	11.4	60	-0.02
27	C	2-Nitrophenol	0.195	0.208	-6.7	72	-0.02
28		2,4-Dimethylphenol	0.247	0.293	-18.6	85	-0.02
29		bis(2-Chloroethoxy)methane	0.482	0.458	5.0	64	-0.02
30	C	2,4-Dichlorophenol	0.253	0.290	-14.6	83	-0.02
31		1,2,4-Trichlorobenzene	0.278	0.302	-8.6	75	-0.02
32		Naphthalene	0.772	0.940	-21.8#	87	-0.02
33		Benzoic acid	0.162	0.141	13.0	58	-0.02
34		4-Chloroaniline	0.358	0.386	-7.8	68	-0.02
35	C	Hexachlorobutadiene	0.147	0.167	-13.6	79	-0.02
36		Caprolactam	0.015	0.014	6.7	64	-0.15
37	C	4-Chloro-3-methylphenol	0.273	0.305	-11.7	76	0.00
38		2-Methylnaphthalene	0.531	0.574	-8.1	78	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	75	-0.02
40	P	Hexachlorocyclopentadiene	0.224	0.195	12.9	56	-0.01
41	S	2,4,6-Tribromophenol	0.203	0.209	-3.0	69	0.00

00126

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
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)
42	C	2,4,6-Trichlorophenol	0.329	0.348	-5.8	73	0.00
43		2,4,5-Trichlorophenol	0.373	0.394	-5.6	72	0.00
44	S	2-Fluorobiphenyl	1.044	1.110	-6.3	76	-0.02
45		1,1'-Biphenyl	0.817	0.896	-9.7	86	-0.02
46		2-Chloronaphthalene	0.816	0.920	-12.7	84	-0.02
47		2-Nitroaniline	0.325	0.245	24.6#	49	-0.02
48		Acenaphthylene	1.237	1.360	-9.9	80	-0.02
49		Dimethylphthalate	1.073	1.061	1.1	72	-0.02
50		2,6-Dinitrotoluene	0.279	0.264	5.4	68	-0.02
51	C	Acenaphthene	0.829	0.900	-8.6	78	-0.02
52		3-Nitroaniline	0.348	0.349	-0.3	66	-0.02
53	P	2,4-Dinitrophenol	0.243	0.134	44.9#	36	0.00
54		Dibenzofuran	1.338	1.381	-3.2	75	-0.02
55	P	4-Nitrophenol	0.644	0.643	0.2	69	-0.02
56		2,4-Dinitrotoluene	0.437	0.388	11.2	60	-0.02
57		Fluorene	1.018	1.075	-5.6	77	-0.02
58		Diethylphthalate	1.105	1.050	5.0	67	-0.02
59		4-Chlorophenyl-phenylether	0.501	0.540	-7.8	78	-0.02
60		4-Nitroaniline	0.401	0.350	12.7	58	-0.04
61		Azobenzene	1.463	1.214	17.0	54	-0.02
62	I	Phenanthrene-d10	1.000	1.000	0.0	65	-0.03
63		4,6-Dinitro-2-methylphenol	0.159	0.163	-2.5	60	-0.02
64	C	n-Nitrosodiphenylamine	0.398	0.407	-2.3	65	-0.02
65		4-Bromophenyl-phenylether	0.208	0.256	-23.1#	78	-0.02
66		Hexachlorobenzene	0.199	0.246	-23.6#	75	-0.02
67		Atrazine	0.157	0.172	-9.6	68	-0.03
68	C	Pentachlorophenol	0.147	0.140	4.8	57	0.00
69		Phenanthrene	0.752	0.924	-22.9#	79	-0.03
70		Anthracene	0.777	0.938	-20.7#	78	-0.03
71		Carbazole	0.869	0.895	-3.0	65	-0.03
72		Di-n-butylphthalate	1.174	1.202	-2.4	63	-0.03
73	C	Fluoranthene	0.872	1.046	-20.0	78	-0.03
74	I	Chrysene-d12	1.000	1.000	0.0	72	-0.04
75		Benzidine	0.146	0.099	32.2#	38	-0.03
76		Pyrene	1.330	1.180	11.3	62	-0.04
77	S	Terphenyl-d14	0.697	0.750	-7.6	75	-0.03
78		Butylbenzylphthalate	0.703	0.633	10.0	62	-0.02
79		Benzo a anthracene	0.838	0.964	-15.0	81	-0.03
80		3,3'-Dichlorobenzidine	0.252	0.233	7.5	59	-0.03
81		Chrysene	0.839	0.862	-2.7	72	-0.03
82		Bis(2-ethylhexyl)phthalate	0.857	0.731	14.7	60	-0.03

00127

= Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010501\BS010515.D Vial: 2
Acq On : 5 Jan 2001 22:56 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 05 12:42:24 2001
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)
83	c	Di-n-octyl phthalate	1.548	1.327	14.3	63	-0.03
84		Indeno(1,2,3-cd)pyrene	0.850	0.790	7.1	63	-0.07
85	I	Perylene-dl2	1.000	1.000	0.0	62	-0.03
86		Benzo(b)fluoranthene	0.938	1.136	-21.1#	73	-0.03
87		Benzo(k)fluoranthene	0.924	1.102	-19.3	74	-0.05
88	C	Benzo(a)pyrene	0.878	1.040	-18.5	72	-0.05
89		Dibenzo(a,h)anthracene	0.686	0.751	-9.5	65	-0.07
90		[illegible]perylene	0.717	0.743	-3.6	61	-0.08

00123

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 1/7/01 Time: 2211

Lab File ID: BS010702.D Init. Calib. Date(s): 1/2/01 1/2/01

Init. Calib. Times: 1332 1705

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.287	1.305		-1.4	
1,2-Dichlorobenzene	1.195	1.370		-14.6	
1,3-Dichlorobenzene	1.286	1.431		-11.3	
1,4-Dichlorobenzene	1.288	1.474		-14.4	20.0
2,2'-oxybis(1-Chloropropane)	1.968	1.821		7.5	
n-Nitroso-di-n-propylamine	0.740	0.894	0.050	-20.8	
Hexachloroethane	0.589	0.651		-10.5	
Nitrobenzene	0.332	0.290		12.7	
Isophorone	0.730	0.674		7.7	
bis(2-Chloroethoxy)methane	0.482	0.477		1.0	
1,2,4-Trichlorobenzene	0.278	0.273		1.8	
Naphthalene	0.772	0.978		-26.7	
4-Chloroaniline	0.358	0.376		-5.0	
Hexachlorobutadiene	0.147	0.149		-1.4	20.0
2-Methylnaphthalene	0.531	0.583		-9.8	
Hexachlorocyclopentadiene	0.224	0.183	0.050	18.3	
2-Chloronaphthalene	0.816	0.941		-15.3	
2-Nitroaniline	0.325	0.310		4.6	
Dimethylphthalate	1.073	1.149		-7.1	
Acenaphthylene	1.237	1.347		-8.9	
2,6-Dinitrotoluene	0.279	0.286		-2.5	
3-Nitroaniline	0.348	0.342		1.7	
Acenaphthene	0.829	0.911		-9.9	20.0
Dibenzofuran	1.338	1.394		-4.2	
2,4-Dinitrotoluene	0.437	0.417		4.6	
Diethylphthalate	1.105	1.092		1.2	
4-Chlorophenyl-phenylether	0.501	0.524		-4.6	
Fluorene	1.018	1.064		-4.5	
4-Nitroaniline	0.401	0.367		8.5	
n-Nitrosodiphenylamine	0.398	0.467		-17.3	20.0
4-Bromophenyl-phenylether	0.208	0.271		-30.3	
Hexachlorobenzene	0.199	0.270		-35.7	
Phenanthrene	0.752	0.953		-26.7	
Anthracene	0.777	0.957		-23.2	
Carbazole	0.869	0.938		-7.9	
Di-n-butylphthalate	1.174	1.380		-17.5	
Fluoranthene	0.872	1.034		-18.6	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 1/7/01 Time: 2211

Lab File ID: BS010702.D Init. Calib. Date(s): 1/2/01 1/2/01

Init. Calib. Times: 1332 1705

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.330	1.157		13.0	
Butylbenzylphthalate	0.703	0.690		1.8	
3,3'-Dichlorobenzidine	0.252	0.247		2.0	
Benzo(a)anthracene	0.838	1.032		-23.2	
Chrysene	0.839	0.880		-4.9	
Bis(2-Ethylhexyl)phthalate	0.857	0.861		-0.5	
Di-n-octyl phthalate	1.548	1.535		0.8	20.0
Benzo(b)fluoranthene	0.938	1.042		-11.1	
Benzo(k)fluoranthene	0.924	1.071		-15.9	
Benzo(a)pyrene	0.878	0.967		-10.1	20.0
Indeno(1,2,3-cd)pyrene	0.850	0.817		3.9	
Dibenzo(a,h)anthracene	0.686	0.716		-4.4	
Benzo(g,h,i)perylene	0.717	0.729		-1.7	
Nitrobenzene-d5	0.317	0.283		10.7	
2-Fluorobiphenyl	1.044	1.113		-6.6	
Terphenyl-d14	0.697	0.765		-9.8	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 9:45 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.06	152	666533	40.00	ng		-0.05
22) Naphthalene-d8	11.79	136	2737072	40.00	ng		-0.04
39) Acenaphthene-d10	15.58	164	1553174	40.00	ng		-0.05
62) Phenanthrene-d10	18.77	188	2487088	40.00	ng		-0.06
74) Chrysene-d12	24.52	240	2384399	40.00	ng		-0.08
85) Perylene-d12	27.67	264	2184958	40.00	ng		-0.12
System Monitoring Compounds							
4) 2-Fluorophenol	6.31	112	1528739	89.08	ng		-0.04
6) Phenol-d5	8.47	99	2140425	83.39	ng		-0.05
11) 2-Chlorophenol-d4	8.60	132	1733738	89.13	ng		-0.05
14) 1,2-Dichlorobenzene-d4	9.39	152	987866	87.59	ng		-0.05
24) Nitrobenzene-d5	10.31	82	1547015	71.22	ng		-0.05
41) 2,4,6-Tribromophenol	17.31	330	691439	87.56	ng		-0.06
44) 2-Fluorobiphenyl	14.17	172	3456352	85.29	ng		-0.05
77) Terphenyl-d14	22.27	244	3648963	87.80	ng		-0.08
Target Compounds							Qvalue
2) Pyridine	2.97	79	1150174	75.32	ng		77
3) n-Nitrosodimethylamine	3.02	74	776939	73.47	ng		98
5) Aniline	8.44	93	2563568	83.55	ng		99
7) 2-Chlorophenol	8.65	128	1723008	96.52	ng		86
8) Benzaldehyde	8.18	77	135392	20.02	ng	#	77
9) Phenol	8.50	94	2469922	83.00	ng		98
10) bis(2-Chloroethyl)ether	8.64	93	1739441	81.11	ng		99
12) 1,3-Dichlorobenzene	8.93	146	1907916	89.07	ng		95
13) 1,4-Dichlorobenzene	9.10	146	1964520	91.50	ng		97
15) 1,2-Dichlorobenzene	9.42	146	1825780	91.68	ng		97
16) Benzyl Alcohol	9.46	79	1134787	66.98	ng		94
17) 2,2'-oxybis(1-Chloropropan	9.77	45	2426958	74.01	ng		80
18) 2-Methylphenol	9.75	107	1531126	84.31	ng		95
19) Hexachloroethane	10.10	117	868447	88.49	ng		98
20) n-Nitroso-di-n-propylamine	10.06	70	1191390	96.67	ng	#	90
21) 3+4-Methylphenols	10.11	107	3393696	171.99	ng		98
23) Acetophenone	10.02	105	2068964	80.49	ng		86
25) Nitrobenzene	10.36	77	1590048	70.08	ng		72
26) Isophorone	10.87	82	3692204	73.94	ng		91
27) 2-Nitrophenol	11.03	139	1129086	84.44	ng	#	85
28) 2,4-Dimethylphenol	11.20	122	1515868	89.86	ng		93
29) bis(2-Chloroethoxy)methane	11.41	93	2609549	79.13	ng	#	97
30) 2,4-Dichlorophenol	11.54	162	1430696	82.65	ng		97
31) 1,2,4-Trichlorobenzene	11.69	180	1496285	78.66	ng		96
32) Naphthalene	11.82	128	5353821	101.36	ng		99
33) Benzoic acid	11.58	122	1033057	93.13	ng		92

= qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 9:45 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	4-Chloroaniline	12.04	127	2057901	83.97	ng		98
35)	Hexachlorobutadiene	12.13	225	813265	81.12	ng		99
36)	Caprolactam	12.92	113	85255	84.92	ng		86
37)	4-Chloro-3-methylphenol	13.14	107	1578270	84.60	ng		95
38)	2-Methylnaphthalene	13.32	142	3192944	87.84	ng		99
40)	Hexachlorocyclopentadiene	13.69	237	566952	65.05	ng		95
42)	2,4,6-Trichlorophenol	13.99	196	1065706	83.30	ng		99
43)	2,4,5-Trichlorophenol	14.07	196	1220118	84.35	ng		97
45)	1,1'-Biphenyl	14.37	154	2845681	89.67	ng		93
46)	2-Chloronaphthalene	14.37	162	2922212	92.24	ng		94
47)	2-Nitroaniline	14.70	65	963754	76.28	ng		87
48)	Acenapnthylene	15.25	152	4185046	87.15	ng		100
49)	Dimethylphthalate	15.14	163	3569128	85.66	ng		99
50)	2,6-Dinitrotoluene	15.27	165	889142	82.19	ng	#	76
51)	Acenaphthene	15.65	154	2831376	87.92	ng		99
52)	3-Nitroaniline	15.60	138	1063008	78.71	ng		93
53)	2,4-Dinitrophenol	15.83	184	583942	61.87	ng	#	77
54)	Dibenzofuran	16.03	168	4329468	83.35	ng		95
55)	4-Nitrophenol	16.03	139	2168781	86.74	ng		98
56)	2,4-Dinitrotoluene	16.12	165	1294645	76.27	ng		94
57)	Fluorene	16.76	166	3306097	83.65	ng		100
58)	Diethylphthalate	16.65	149	3391386	79.02	ng		97
59)	4-Chlorophenyl-phenylether	16.80	204	1627591	83.61	ng		99
60)	4-Nitroaniline	16.95	138	1139189	73.11	ng		96
61)	Azobenzene	17.13	77	4216756	74.23	ng		92
63)	4,6-Dinitro-2-methylphenol	17.00	198	886940	89.50	ng		89
64)	n-Nitrosodiphenylamine	17.09	169	2324249	93.85	ng		100
65)	4-Bromophenyl-phenylether	17.85	248	1349526	104.20	ng		100
66)	Hexachlorobenzene	17.98	284	1342304	108.27	ng		95
67)	Atrazine	18.33	200	897911	92.19	ng		99
68)	Pentachlorophenol	18.44	266	864155	94.87	ng		99
69)	Phenanthrene	18.84	178	4742138	101.37	ng		100
70)	Anthracene	18.93	178	4761051	98.54	ng		99
71)	Carbazole	19.34	167	4667910	86.37	ng		99
72)	Di-n-butylphthalate	20.16	149	6864047	94.02	ng	#	99
73)	Fluoranthene	21.40	202	5141466	94.78	ng		98
75)	Benzidine	21.77	184	385164	44.36	ng		99
76)	Pyrene	21.89	202	5518988	69.60	ng		99
78)	Butylbenzylphthalate	23.38	149	3288167	78.50	ng		88
79)	Benzo(a)anthracene	24.49	228	4920208	98.52	ng		99
80)	3,3'-Dichlorobenzidine	24.50	252	1179889	78.58	ng		98
81)	Chrysene	24.57	228	4194219	83.91	ng		99
82)	Bis(2-ethylhexyl)phthalate	24.62	149	4108134	80.44	ng		100
83)	Di-n-octyl phthalate	25.93	149	7318045	79.33	ng		99

= qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 9:45 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84)	Indeno(1,2,3-cd)pyrene	30.93	276	3895591	76.88	ng		91
86)	Benzo(b)fluoranthene	26.75	252	4551637	88.85	ng		98
87)	Benzo(k)fluoranthene	26.82	252	4681260	92.73	ng	#	95
88)	Benzo(a)pyrene	27.54	252	4226238	88.16	ng		99
89)	Dibenzo(a,h)anthracene	31.02	278	3128698	83.45	ng		95
90)	Benzo(g,h,i)perylene	31.94	276	3184740	81.32	ng		98

Hinnsdlwy
01/08/04

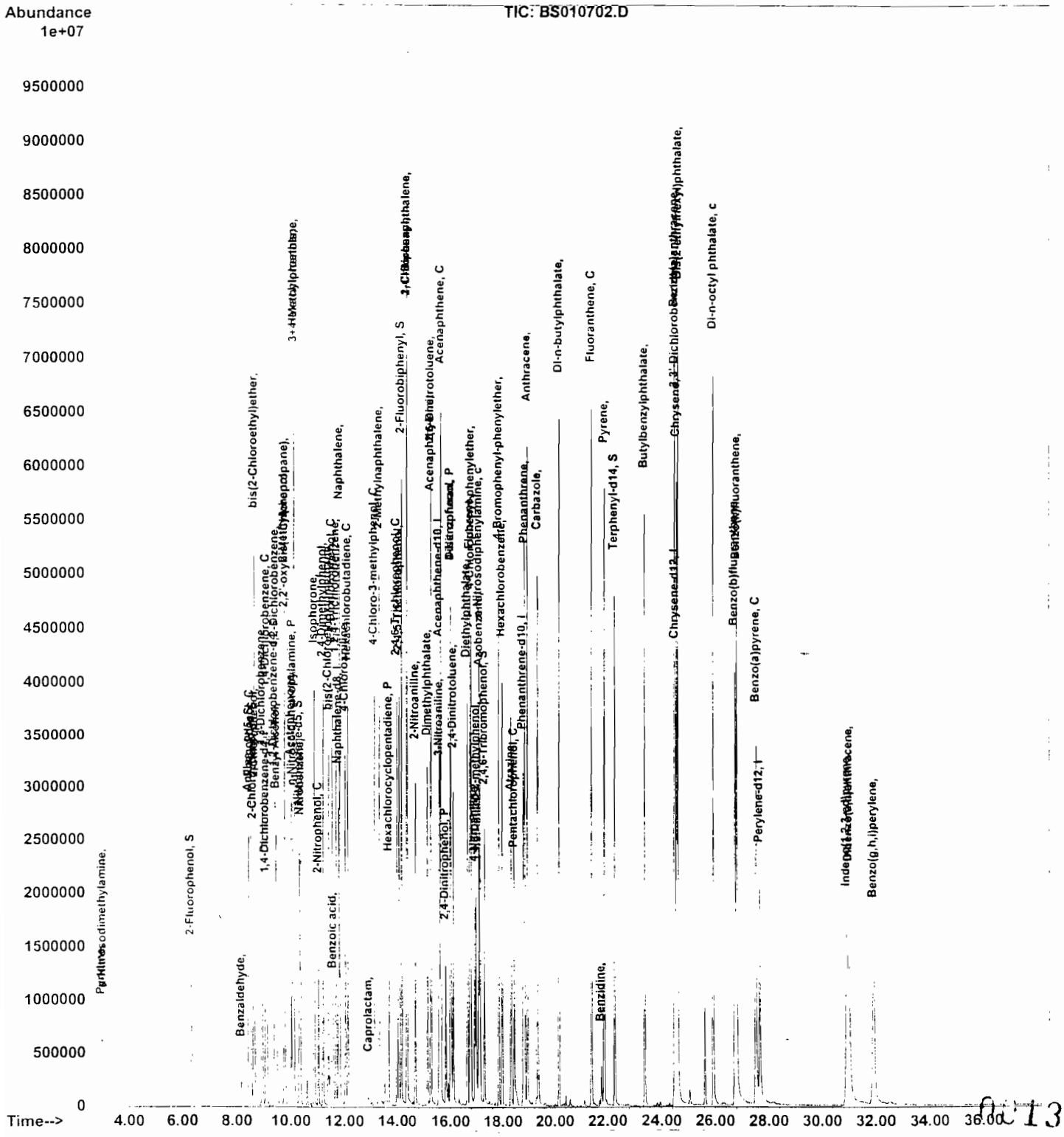
00133

= qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 9:45 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
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	65	-0.05
2		Pyridine	0.916	0.863	5.8	54	-0.05
3		n-Nitrosodimethylamine	0.635	0.583	8.2	54	-0.05
4	S	2-Fluorophenol	1.030	1.147	-11.4	67	-0.04
5		Aniline	1.841	1.923	-4.5	65	-0.04
6	S	Phenol-d5	1.540	1.606	-4.3	66	-0.05
7		2-Chlorophenol	1.071	1.293	-20.7#	77	-0.03
8		Benzaldehyde	0.406	0.102	74.9#	10#	-0.03
9	C	Phenol	1.786	1.853	-3.8	64	-0.05
10		bis(2-Chloroethyl)ether	1.287	1.305	-1.4	64	-0.05
11	S	2-Chlorophenol-d4	1.167	1.301	-11.5	67	-0.05
12		1,3-Dichlorobenzene	1.286	1.431	-11.3	69	-0.05
13	C	1,4-Dichlorobenzene	1.288	1.474	-14.4	70	-0.05
14	s	1,2-Dichlorobenzene-d4	0.677	0.741	-9.5	65	-0.05
15		1,2-Dichlorobenzene	1.195	1.370	-14.6	71	-0.05
16		Benzyl Alcohol	1.017	0.851	16.3	50	-0.06
17		2,2'-oxybis(1-Chloropropane	1.968	1.821	7.5	56	-0.05
18		2-Methylphenol	1.090	1.149	-5.4	65	-0.05
19		Hexachloroethane	0.589	0.651	-10.5	69	-0.05
20	P	n-Nitroso-di-n-propylamine	0.740	0.894	-20.8#	76	-0.05
21		3+4-Methylphenols	1.184	1.273	-7.5	69	-0.05
22	I	Naphthalene-d8	1.000	1.000	0.0	62	-0.04
23		Acetophenone	0.376	0.378	-0.5	60	-0.05
24	S	Nitrobenzene-d5	0.317	0.283	10.7	54	-0.05
25		Nitrobenzene	0.332	0.290	12.7	52	-0.05
26		Isophorone	0.730	0.674	7.7	55	-0.05
27	C	2-Nitrophenol	0.195	0.206	-5.6	62	-0.04
28		2,4-Dimethylphenol	0.247	0.277	-12.1	70	-0.05
29		bis(2-Chloroethoxy)methane	0.482	0.477	1.0	58	-0.04
30	C	2,4-Dichlorophenol	0.253	0.261	-3.2	65	-0.05
31		1,2,4-Trichlorobenzene	0.278	0.273	1.8	59	-0.05
32		Naphthalene	0.772	0.978	-26.7#	79	-0.05
33		Benzoic acid	0.162	0.189	-16.7	67	-0.09
34		4-Chloroaniline	0.358	0.376	-5.0	58	-0.05
35	C	Hexachlorobutadiene	0.147	0.149	-1.4	61	-0.06
36		Caprolactam	0.015	0.016	-6.7	60	-0.12
37	C	4-Chloro-3-methylphenol	0.273	0.288	-5.5	62	-0.04
38		2-Methylnaphthalene	0.531	0.583	-9.8	69	-0.06
39	I	Acenaphthene-d10	1.000	1.000	0.0	61	-0.05
40	P	Hexachlorocyclopentadiene	0.224	0.183	18.3	43	-0.04
41	S	2,4,6-Tribromophenol	0.203	0.223	-9.9	60	-0.06

00135

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
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)
42	C	2,4,6-Trichlorophenol	0.329	0.343	-4.3	59	-0.04
43		2,4,5-Trichlorophenol	0.373	0.393	-5.4	59	-0.05
44	S	2-Fluorobiphenyl	1.044	1.113	-6.6	62	-0.05
45		1,1'-Biphenyl	0.817	0.916	-12.1	72	-0.05
46		2-Chloronaphthalene	0.816	0.941	-15.3	71	-0.06
47		2-Nitroaniline	0.325	0.310	4.6	51	-0.05
48		Acenaphthylene	1.237	1.347	-8.9	65	-0.07
49		Dimethylphthalate	1.073	1.149	-7.1	63	-0.05
50		2,6-Dinitrotoluene	0.279	0.286	-2.5	60	-0.07
51	P	Acenaphthene	0.829	0.911	-9.9	64	-0.05
52		3-Nitroaniline	0.348	0.342	1.7	53	-0.07
53	P	2,4-Dinitrophenol	0.243	0.188	22.6#	41	-0.07
54		Dibenzofuran	1.338	1.394	-4.2	62	-0.05
55	P	4-Nitrophenol	0.644	0.698	-8.4	61	-0.05
56		2,4-Dinitrotoluene	0.437	0.417	4.6	53	-0.05
57		Fluorene	1.018	1.064	-4.5	62	-0.06
58		Diethylphthalate	1.105	1.092	1.2	57	-0.07
59		4-Chlorophenyl-phenylether	0.501	0.524	-4.6	62	-0.06
60		4-Nitroaniline	0.401	0.367	8.5	50	-0.07
61		Azobenzene	1.463	1.357	7.2	50	-0.07
62	I	Phenanthrene-d10	1.000	1.000	0.0	50	-0.06
63		4,6-Dinitro-2-methylphenol	0.159	0.178	-11.9	50	-0.07
64	C	n-Nitrosodiphenylamine	0.398	0.467	-17.3	57	-0.06
65		4-Bromophenyl-phenylether	0.208	0.271	-30.3#	63	-0.06
66		Hexachlorobenzene	0.199	0.270	-35.7#	63	-0.06
67		Atrazine	0.157	0.181	-15.3	55	-0.06
68	C	Pentachlorophenol	0.147	0.174	-18.4	55	-0.05
69		Phenanthrene	0.752	0.953	-26.7#	63	-0.07
70		Anthracene	0.777	0.957	-23.2#	62	-0.07
71		Carbazole	0.869	0.938	-7.9	52	-0.07
72		Di-n-butylphthalate	1.174	1.380	-17.5	56	-0.07
73	C	Fluoranthene	0.872	1.034	-18.6	59	-0.07
74	I	Chrysene-d12	1.000	1.000	0.0	57	-0.08
75		Benzidine	0.146	0.081	44.5#	24	-0.06
76		Pyrene	1.330	1.157	13.0	48	-0.08
77	S	Terphenyl-d14	0.697	0.765	-9.8	60	-0.08
78		Butylbenzylphthalate	0.703	0.690	1.8	53	-0.08
79		Benzo(a)anthracene	0.838	1.032	-23.2#	68	-0.07
80		3,3'-Dichlorobenzidine	0.252	0.247	2.0	50	-0.07
81		Chrysene	0.839	0.880	-4.9	58	-0.08
82		Bis(2-ethylhexyl)phthalate	0.857	0.861	-0.5	56	-0.07

00136

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010702.D Vial: 2
Acq On : 7 Jan 2001 22:11 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
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)
83	C	Di-n-octyl phthalate	1.548	1.535	0.8	57	-0.08
84		Indeno(1,2,3-cd)pyrene	0.850	0.817	3.9	51	-0.18
85	I	Perylene-d12	1.000	1.000	0.0	52	-0.12
86		Benzo(b)fluoranthene	0.938	1.042	-11.1	56	-0.10
87		Benzo(k)fluoranthene	0.924	1.071	-15.9	60	-0.11
88	C	Benzo(a)pyrene	0.878	0.967	-10.1	56	-0.12
89		Dibenzo(a,h)anthracene	0.686	0.716	-4.4	52	-0.18
90		Benzo(g,h,i)perylene	0.717	0.729	-1.7	50	-0.22

00137

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 1/8/01 Time: 1029

Lab File ID: BS010718.D Init. Calib. Date(s): 1/2/01 1/2/01

Init. Calib. Times: 1332 1705

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
bis(2-Chloroethyl)ether	1.287	1.181		8.2	
1,2-Dichlorobenzene	1.195	1.275		-6.7	
1,3-Dichlorobenzene	1.286	1.348		-4.8	
1,4-Dichlorobenzene	1.288	1.424		-10.6	20.0
2,2'-oxybis(1-Chloropropane)	1.968	1.663		15.5	
n-Nitroso-di-n-propylamine	0.740	0.834	0.050	-12.7	
Hexachloroethane	0.589	0.624		-5.9	
Nitrobenzene	0.332	0.304		8.4	
Isophorone	0.730	0.629		13.8	
bis(2-Chloroethoxy)methane	0.482	0.460		4.6	
1,2,4-Trichlorobenzene	0.278	0.274		1.4	
Naphthalene	0.772	0.947		-22.7	
4-Chloroaniline	0.358	0.376		-5.0	
Hexachlorobutadiene	0.147	0.152		-3.4	20.0
2-Methylnaphthalene	0.531	0.586		-10.4	
Hexachlorocyclopentadiene	0.224	0.195	0.050	12.9	
2-Chloronaphthalene	0.816	0.938		-15.0	
2-Nitroaniline	0.325	0.318		2.2	
Dimethylphthalate	1.073	1.064		0.8	
Acenaphthylene	1.237	1.348		-9.0	
2,6-Dinitrotoluene	0.279	0.293		-5.0	
3-Nitroaniline	0.348	0.363		-4.3	
Acenaphthene	0.829	0.952		-14.8	20.0
Dibenzofuran	1.338	1.363		-1.9	
2,4-Dinitrotoluene	0.437	0.433		0.9	
Diethylphthalate	1.105	1.131		-2.4	
4-Chlorophenyl-phenylether	0.501	0.532		-6.2	
Fluorene	1.018	1.037		-1.9	
4-Nitroaniline	0.401	0.384		4.2	
n-Nitrosodiphenylamine	0.398	0.451		-13.3	20.0
4-Bromophenyl-phenylether	0.208	0.251		-20.7	
Hexachlorobenzene	0.199	0.252		-26.6	
Phenanthrene	0.752	0.912		-21.3	
Anthracene	0.777	0.951		-22.4	
Carbazole	0.869	0.894		-2.9	
Di-n-butylphthalate	1.174	1.345		-14.6	
Fluoranthene	0.872	1.028		-17.9	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETHOLLOW RDocation: Group: DW-2

Instrument ID: 5971-S Calibration Date: 1/8/01 Time: 1029

Lab File ID: BS010718.D Init. Calib. Date(s): 1/2/01 1/2/01

Init. Calib. Times: 1332 1705

COMPOUND	RRF	RRF80	MIN RRF	%D	MAX %D
Pyrene	1.330	1.174		11.7	
Butylbenzylphthalate	0.703	0.701		0.3	
3,3'-Dichlorobenzidine	0.252	0.253		-0.4	
Benzo(a)anthracene	0.838	1.026		-22.4	
Chrysene	0.839	0.940		-12.0	
Bis(2-Ethylhexyl)phthalate	0.857	0.903		-5.4	
Di-n-octyl phthalate	1.548	1.560		-0.8	20.0
Benzo(b)fluoranthene	0.938	1.098		-17.1	
Benzo(k)fluoranthene	0.924	1.080		-16.9	
Benzo(a)pyrene	0.878	0.967		-10.1	20.0
Indeno(1,2,3-cd)pyrene	0.850	0.841		1.1	
Dibenzo(a,h)anthracene	0.686	0.723		-5.4	
Benzo(g,h,i)perylene	0.717	0.708		1.3	
Nitrobenzene-d5	0.317	0.289		8.8	
2-Fluorobiphenyl	1.044	1.113		-6.6	
Terphenyl-d14	0.697	0.771		-10.6	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 11:34 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.06	152	797985	40.00	ng		-0.05
22) Naphthalene-d8	11.78	136	3172809	40.00	ng		-0.04
39) Acenaphthene-d10	15.58	164	1801945	40.00	ng		-0.06
62) Phenanthrene-d10	18.78	188	2968888	40.00	ng		-0.05
74) Chrysene-d12	24.51	240	2707003	40.00	ng		-0.09
85) Perylene-d12	27.68	264	2552674	40.00	ng		-0.11
System Monitoring Compounds							
4) 2-Fluorophenol	6.31	112	1741233	84.74	ng		-0.04
6) Phenol-d5	8.47	99	2462159	80.12	ng		-0.05
11) 2-Chlorophenol-d4	8.61	132	1921302	82.50	ng		-0.03
14) 1,2-Dichlorobenzene-d4	9.40	152	1164804	86.27	ng		-0.04
24) Nitrobenzene-d5	10.31	82	1834925	72.87	ng		-0.05
41) 2,4,6-Tribromophenol	17.30	330	818491	89.34	ng		-0.06
44) 2-Fluorobiphenyl	14.16	172	4012217	85.34	ng		-0.05
77) Terphenyl-d14	22.28	244	4176529	88.51	ng		-0.07
Target Compounds							Qvalue
2) Pyridine	2.99	79	1324878	72.47	ng		87
3) n-Nitrosodimethylamine	3.02	74	891665	70.43	ng		97
5) Aniline	8.43	93	2953102	80.39	ng		99
7) 2-Chlorophenol	8.65	128	1924533	90.05	ng		87
8) Benzaldehyde	8.17	77	182894	22.59	ng	#	78
9) Phenol	8.50	94	2811938	78.92	ng		96
10) bis(2-Chloroethyl)ether	8.63	93	1885107	73.42	ng		98
12) 1,3-Dichlorobenzene	8.93	146	2150742	83.86	ng		95
13) 1,4-Dichlorobenzene	9.09	146	2272531	88.41	ng		97
15) 1,2-Dichlorobenzene	9.42	146	2034418	85.33	ng		96
16) Benzyl Alcohol	9.47	79	1350502	66.58	ng		91
17) 2,2'-oxybis(1-Chloropropan	9.76	45	2653486	67.59	ng		71
18) 2-Methylphenol	9.76	107	1773141	81.55	ng		96
19) Hexachloroethane	10.09	117	996202	84.79	ng		95
20) n-Nitroso-di-n-propylamine	10.08	70	1330292	90.16	ng	#	90
21) 3+4-Methylphenols	10.11	107	4015598	169.98	ng		95
23) Acetophenone	10.01	105	2360532	79.23	ng		90
25) Nitrobenzene	10.35	77	1930432	73.40	ng		81
26) Isophorone	10.86	82	3993547	68.99	ng		94
27) 2-Nitrophenol	11.03	139	1311194	84.59	ng		93
28) 2,4-Dimethylphenol	11.21	122	1766424	90.33	ng		93
29) bis(2-Chloroethoxy)methane	11.40	93	2918565	76.35	ng	#	98
30) 2,4-Dichlorophenol	11.55	162	1632832	81.37	ng		96
31) 1,2,4-Trichlorobenzene	11.68	180	1737044	78.77	ng		95
32) Naphthalene	11.83	128	6008535	98.13	ng		99
33) Benzoic acid	11.60	122	1289915	100.32	ng		91

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

AB140

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 11:34 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34)	4-Chloroaniline	12.05	127	2386778	84.01 ng	#	94
35)	Hexachlorobutadiene	12.13	225	965629	83.09 ng		98
36)	Caprolactam	12.95	113	96336	82.78 ng		88
37)	4-Chloro-3-methylphenol	13.13	107	1987107	91.89 ng		97
38)	2-Methylnaphthalene	13.33	142	3720575	88.30 ng		97
40)	Hexachlorocyclopentadiene	13.69	237	703337	69.56 ng		98
42)	2,4,6-Trichlorophenol	14.00	196	1232426	83.03 ng		94
43)	2,4,5-Trichlorophenol	14.07	196	1424793	84.90 ng	#	94
45)	1,1'-Biphenyl	14.36	154	3234103	87.84 ng		96
46)	2-Chloronaphthalene	14.38	162	3381622	92.00 ng		99
47)	2-Nitroaniline	14.69	65	1146144	78.19 ng		90
48)	Acenaphthylene	15.26	152	4856244	87.16 ng		100
49)	Dimethylphthalate	15.13	163	3836137	79.35 ng		99
50)	2,6-Dinitrotoluene	15.28	165	1055911	84.13 ng		94
51)	Acenaphthene	15.64	154	3429374	91.79 ng		99
52)	3-Nitroaniline	15.61	138	1306735	83.40 ng		99
53)	2,4-Dinitrophenol	15.84	184	752126	68.69 ng	#	89
54)	Dibenzofuran	16.02	168	4911068	81.50 ng		93
55)	4-Nitrophenol	16.02	139	2640595	91.03 ng		81
56)	2,4-Dinitrotoluene	16.12	165	1560352	79.23 ng		98
57)	Fluorene	16.76	166	3737309	81.51 ng		98
58)	Diethylphthalate	16.66	149	4077411	81.89 ng		100
59)	4-Chlorophenyl-phenylether	16.79	204	1917408	84.89 ng		92
60)	4-Nitroaniline	16.96	138	1383284	76.52 ng		99
61)	Azobenzene	17.14	77	4694321	71.23 ng		94
63)	4,6-Dinitro-2-methylphenol	16.99	198	1048311	88.62 ng		68
64)	n-Nitrosodiphenylamine	17.09	169	2677681	90.57 ng		99
65)	4-Bromophenyl-phenylether	17.85	248	1492595	96.55 ng		96
66)	Hexachlorobenzene	17.98	284	1497770	101.20 ng		97
67)	Atrazine	18.32	200	1026893	88.32 ng		98
68)	Pentachlorophenol	18.44	266	1027643m	94.51 ng		98
69)	Phenanthrene	18.83	178	5416547	97.00 ng		100
70)	Anthracene	18.93	178	5646502	97.90 ng		99
71)	Carbazole	19.34	167	5309283	82.29 ng		97
72)	Di-n-butylphthalate	20.16	149	7987712	91.66 ng		100
73)	Fluoranthene	21.41	202	6105224	94.28 ng		97
75)	Benzidine	21.77	184	491196	49.83 ng		100
76)	Pyrene	21.88	202	6357857	70.63 ng		98
78)	Butylbenzylphthalate	23.39	149	3794439	79.79 ng		94
79)	Benzo(a)anthracene	24.49	228	5555827	97.99 ng		99
80)	3,3'-Dichlorobenzidine	24.49	252	1369743	80.36 ng		99
81)	Chrysene	24.58	228	5088192	89.67 ng		99
82)	Bis(2-ethylhexyl)phthalate	24.63	149	4887299	84.29 ng	#	98
83)	Di-n-octyl phthalate	25.94	149	8445131	80.64 ng		99

Timed 01/08/01

A0141

= qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 11:34 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84)	Indeno(1,2,3-cd)pyrene	30.94	276	4554576	79.18	ng	92
86)	Benzo(b)fluoranthene	26.76	252	5604175	93.64	ng	97
87)	Benzo(k)fluoranthene	26.83	252	5513506m	93.48	ng	96
88)	Benzo(a)pyrene	27.55	252	4935325	88.12	ng	99
89)	Dibenzo(a,h)anthracene	31.03	278	3692233	84.30	ng	94
90)	Benzo(g,h,i)perylene	31.96	276	3614249	79.00	ng	93

+ Hindl 04/08/01

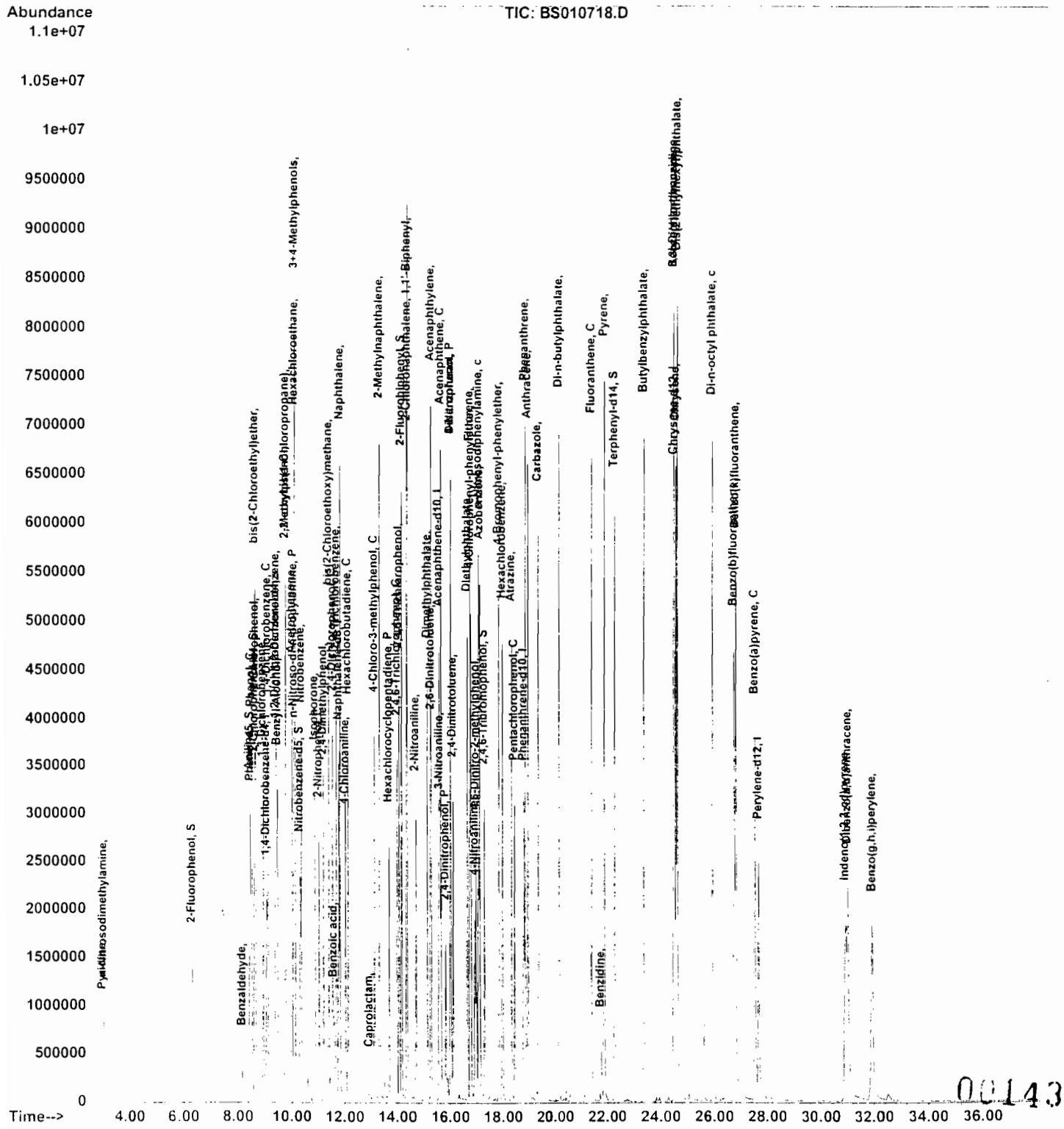
(#) = qualifier out of range (m) = manual integration

00142

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 11:34 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
Response via : Multiple Level Calibration

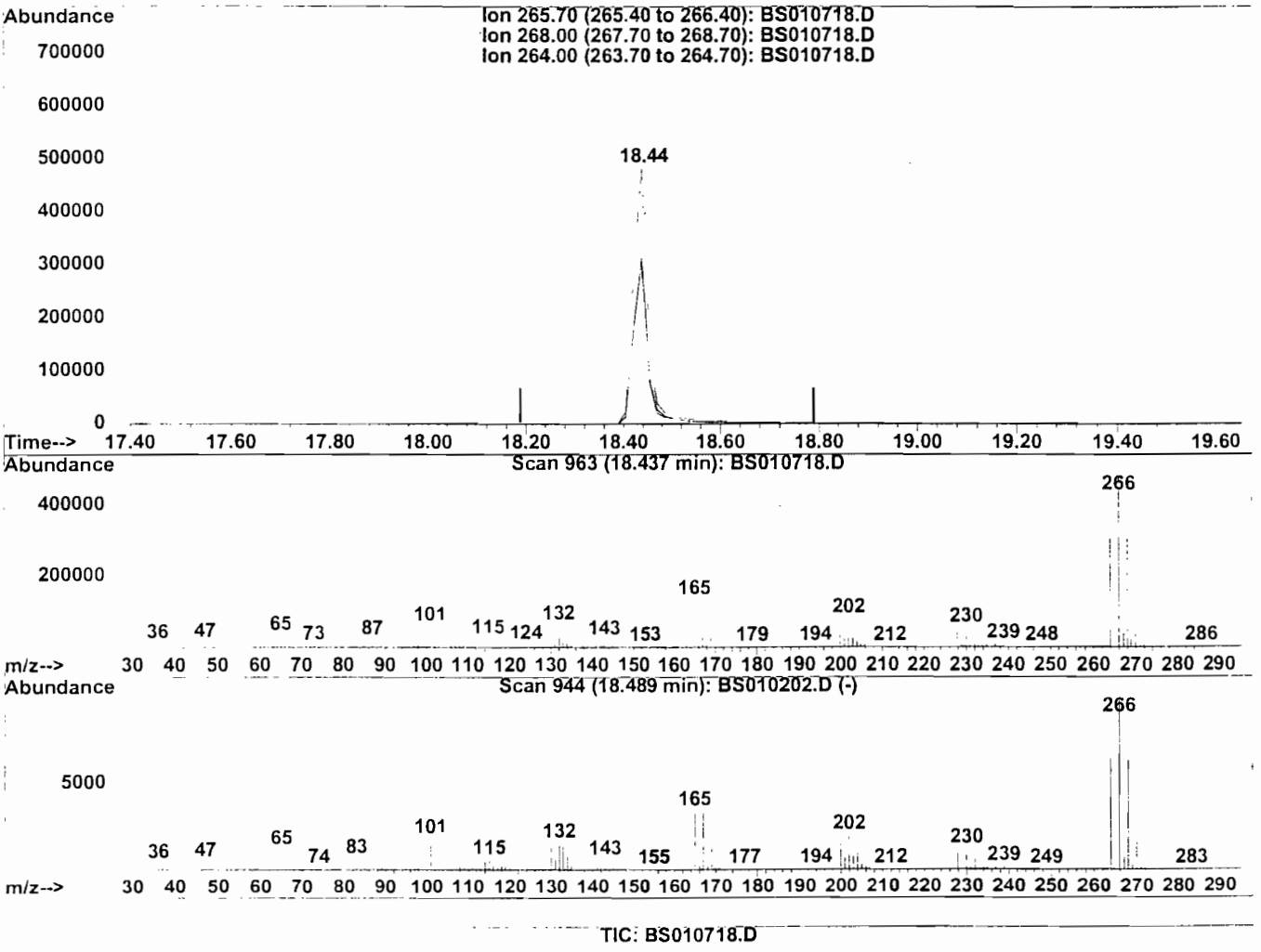


00143

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 11:32 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:32 2001
Response via : Multiple Level Calibration



(68) Pentachlorophenol (C)

18.44min 94.51ng m

response 1027643

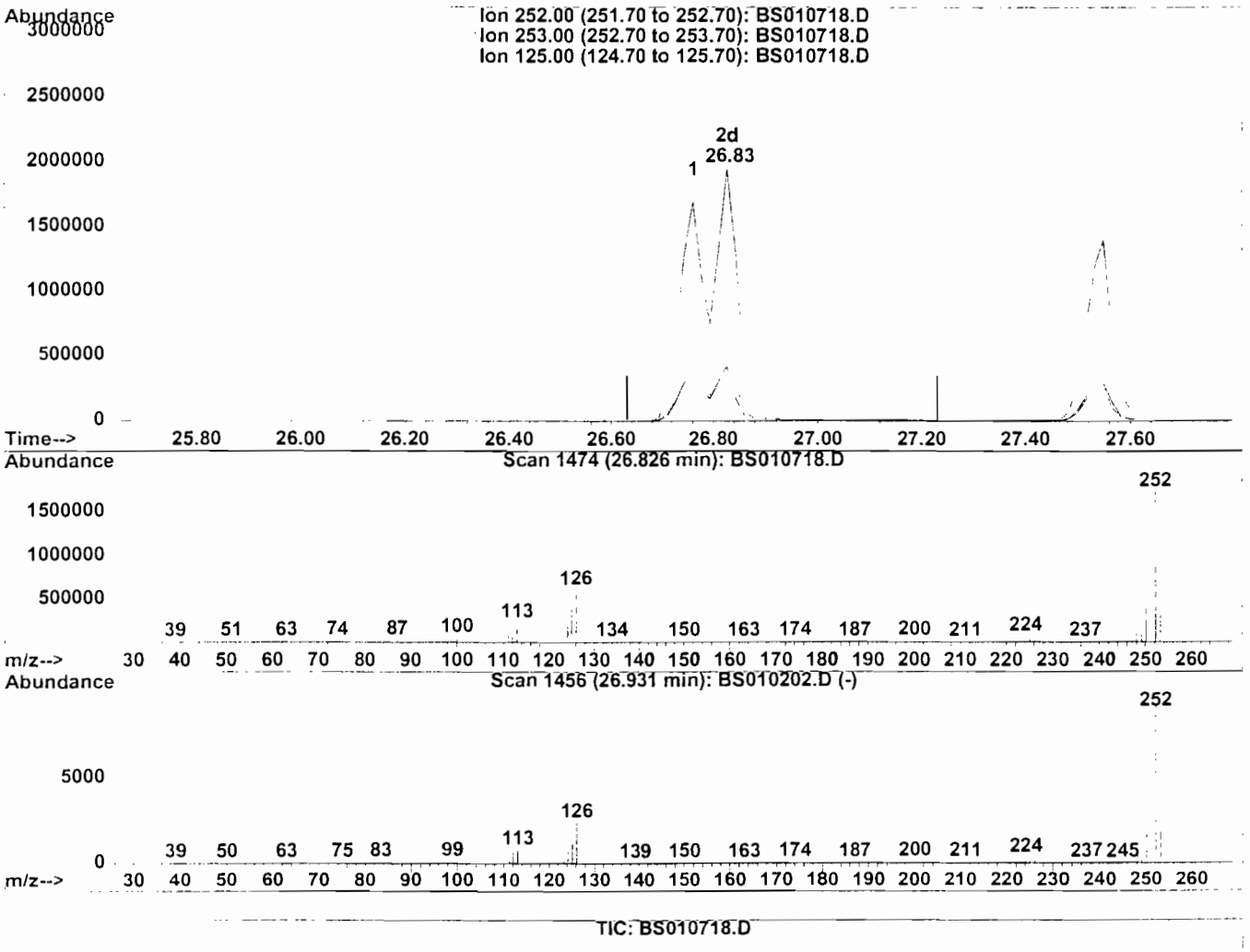
Ion	Exp%	Act%
265.70	100	100
268.00	64.00	65.17
264.00	65.40	63.60
0.00	0.00	0.00

00141

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 11:34 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 03 14:26:32 2001
Response via : Multiple Level Calibration



(87) Benzo(k)fluoranthene

26.83min 93.48ng m

response 5513506

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.00
125.00	17.00	21.13
0.00	0.00	0.00

00145

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
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	78	-0.05
2		Pyridine	0.916	0.830	9.4	62	-0.04
3		n-Nitrosodimethylamine	0.635	0.559	12.0	62	-0.05
4	S	2-Fluorophenol	1.030	1.091	-5.9	76	-0.04
5		Aniline	1.841	1.850	-0.5	75	-0.05
6	S	Phenol-d5	1.540	1.543	-0.2	76	-0.05
7		2-Chlorophenol	1.071	1.206	-12.6	86	-0.03
8		Benzaldehyde	0.406	0.115	71.7#	13#	-0.03
9	C	Phenol	1.786	1.762	1.3	73	-0.05
10		bis(2-Chloroethyl)ether	1.287	1.181	8.2	69	-0.05
11	S	2-Chlorophenol-d4	1.167	1.204	-3.2	75	-0.03
12		1,3-Dichlorobenzene	1.286	1.348	-4.8	77	-0.05
13	C	1,4-Dichlorobenzene	1.288	1.424	-10.6	81	-0.05
14	s	1,2-Dichlorobenzene-d4	0.677	0.730	-7.8	77	-0.04
15		1,2-Dichlorobenzene	1.195	1.275	-6.7	79	-0.05
16		Benzyl Alcohol	1.017	0.846	16.8	60	-0.05
17		2,2'-oxybis(1-Chloropropane	1.968	1.663	15.5	61	-0.05
18		2-Methylphenol	1.090	1.111	-1.9	76	-0.04
19		Hexachloroethane	0.589	0.624	-5.9	80	-0.05
20	P	n-Nitroso-di-n-propylamine	0.740	0.834	-12.7	85	-0.04
21		3+4-Methylphenols	1.184	1.258	-6.3	81	-0.05
22	I	Naphthalene-d8	1.000	1.000	0.0	72	-0.04
23		Acetophenone	0.376	0.372	1.1	68	-0.05
24	S	Nitrobenzene-d5	0.317	0.289	8.8	64	-0.05
25		Nitrobenzene	0.332	0.304	8.4	63	-0.05
26		Isophorone	0.730	0.629	13.8	59	-0.06
27	C	2-Nitrophenol	0.195	0.207	-6.2	72	-0.04
28		2,4-Dimethylphenol	0.247	0.278	-12.6	81	-0.04
29		bis(2-Chloroethoxy)methane	0.482	0.460	4.6	65	-0.04
30	C	2,4-Dichlorophenol	0.253	0.257	-1.6	74	-0.04
31		1,2,4-Trichlorobenzene	0.278	0.274	1.4	69	-0.06
32		Naphthalene	0.772	0.947	-22.7#	88	-0.04
33		Benzoic acid	0.162	0.203	-25.3#	83	-0.06
34		4-Chloroaniline	0.358	0.376	-5.0	67	-0.04
35	C	Hexachlorobutadiene	0.147	0.152	-3.4	72	-0.06
36		Caprolactam	0.015	0.015	0.0	68	-0.10
37	C	4-Chloro-3-methylphenol	0.273	0.313	-14.7	79	-0.05
38		2-Methylnaphthalene	0.531	0.586	-10.4	80	-0.05
39	I	Acenaphthene-d10	1.000	1.000	0.0	71	-0.06
40	P	Hexachlorocyclopentadiene	0.224	0.195	12.9	53	-0.05
41	S	2,4,6-Tribromophenol	0.203	0.227	-11.8	72	-0.06

PC146

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
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)
42	C	2,4,6-Trichlorophenol	0.329	0.342	-4.0	68	-0.03
43		2,4,5-Trichlorophenol	0.373	0.395	-5.9	69	-0.05
44	S	2-Fluorobiphenyl	1.044	1.113	-6.6	72	-0.05
45		1,1'-Biphenyl	0.817	0.897	-9.8	82	-0.05
46		2-Chloronaphthalene	0.816	0.938	-15.0	82	-0.05
47		2-Nitroaniline	0.325	0.318	2.2	61	-0.05
48		Acenaphthylene	1.237	1.348	-9.0	75	-0.06
49		Dimethylphthalate	1.073	1.064	0.8	68	-0.06
50		2,6-Dinitrotoluene	0.279	0.293	-5.0	72	-0.06
51	C	Acenaphthene	0.829	0.952	-14.8	78	-0.06
52		3-Nitroaniline	0.348	0.363	-4.3	65	-0.06
53	P	2,4-Dinitrophenol	0.243	0.209	14.0	53	-0.06
54		Dibenzofuran	1.338	1.363	-1.9	70	-0.06
55	P	4-Nitrophenol	0.644	0.733	-13.8	75	-0.06
56		2,4-Dinitrotoluene	0.437	0.433	0.9	64	-0.06
57		Fluorene	1.018	1.037	-1.9	70	-0.06
58		Diethylphthalate	1.105	1.131	-2.4	69	-0.06
59		4-Chlorophenyl-phenylether	0.501	0.532	-6.2	73	-0.06
60		4-Nitroaniline	0.401	0.384	4.2	61	-0.06
61		Azobenzene	1.463	1.303	10.9	55	-0.06
62	I	Phenanthrene-d10	1.000	1.000	0.0	60	-0.05
63		4,6-Dinitro-2-methylphenol	0.159	0.177	-11.3	59	-0.08
64	c	n-Nitrosodiphenylamine	0.398	0.451	-13.3	66	-0.06
65		4-Bromophenyl-phenylether	0.208	0.251	-20.7#	70	-0.07
66		Hexachlorobenzene	0.199	0.252	-26.6#	70	-0.07
67		Atrazine	0.157	0.173	-10.2	63	-0.07
68	C	Pentachlorophenol	0.147	0.173	-17.7	65	-0.05
69		Phenanthrene	0.752	0.912	-21.3#	71	-0.07
70		Anthracene	0.777	0.951	-22.4#	73	-0.07
71		Carbazole	0.869	0.894	-2.9	59	-0.07
72		Di-n-butylphthalate	1.174	1.345	-14.6	65	-0.07
73	C	Fluoranthene	0.872	1.028	-17.9	70	-0.06
74	I	Chrysene-d12	1.000	1.000	0.0	64	-0.09
75		Benzidine	0.146	0.091	37.7#	31	-0.06
76		Pyrene	1.330	1.174	11.7	55	-0.08
77	S	Terphenyl-d14	0.697	0.771	-10.6	69	-0.07
78		Butylbenzylphthalate	0.703	0.701	0.3	61	-0.07
79		Benzo(a)anthracene	0.838	1.026	-22.4#	77	-0.06
80		3,3'-Dichlorobenzidine	0.252	0.253	-0.4	58	-0.07
81		Chrysene	0.839	0.940	-12.0	70	-0.08
82		Bis(2-ethylhexyl)phthalate	0.857	0.903	-5.4	67	-0.06

(#) = Out of Range

00147

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010718.D Vial: 2
Acq On : 8 Jan 2001 10:29 Operator: SJT
Sample : 80 ng BNA CCC Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 10:29:11 2001
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)
83	c	Di-n-octyl phthalate	1.548	1.560	-0.8	66	-0.07
84		Indeno(1,2,3-cd)pyrene	0.850	0.841	1.1	60	-0.17
85	I	Perylene-d12	1.000	1.000	0.0	60	-0.11
86		Benzo(b)fluoranthene	0.938	1.098	-17.1	68	-0.09
87		Benzo(k)fluoranthene	0.924	1.080	-16.9	71	-0.10
88	C	Benzo(a)pyrene	0.878	0.967	-10.1	65	-0.11
89		Dibenzo(a,h)anthracene	0.686	0.723	-5.4	61	-0.17
90		Benzo(g,h,i)perylene	0.717	0.708	1.3	57	-0.19

AC143

CHEMTECH

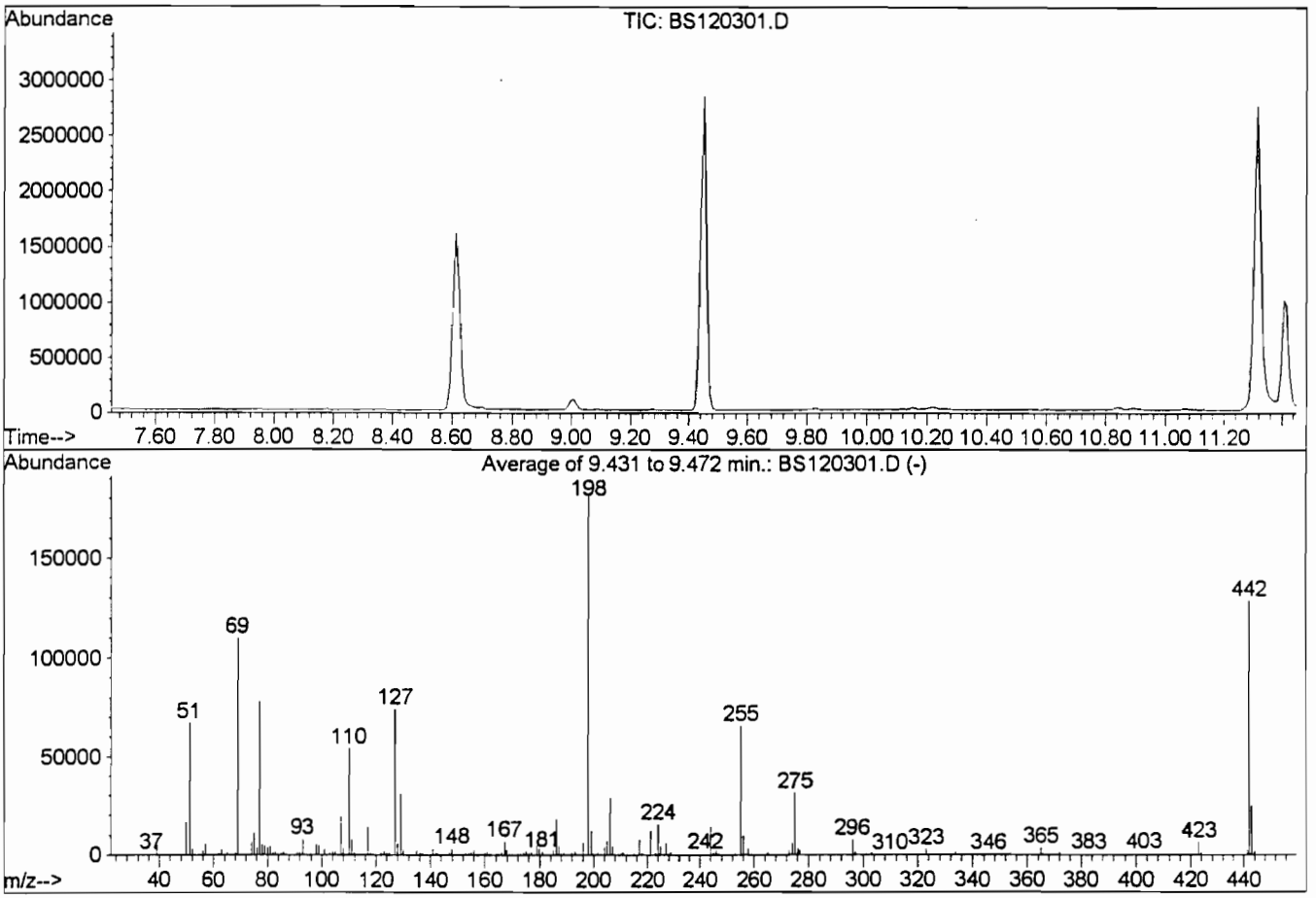
SEMI-VOLATILE

RAW QC DATA

00149

DFTPP

Data File : F:\HPCHEM\1\DATA\BS120300\BS120301.D Vial: 1
Acq On : 3 Dec 2000 17:18 Operator: SJT
Sample : 50 ng DFTPP Inst : bn2
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : F:\HPCHEM\1\METHODS\BS1203C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION



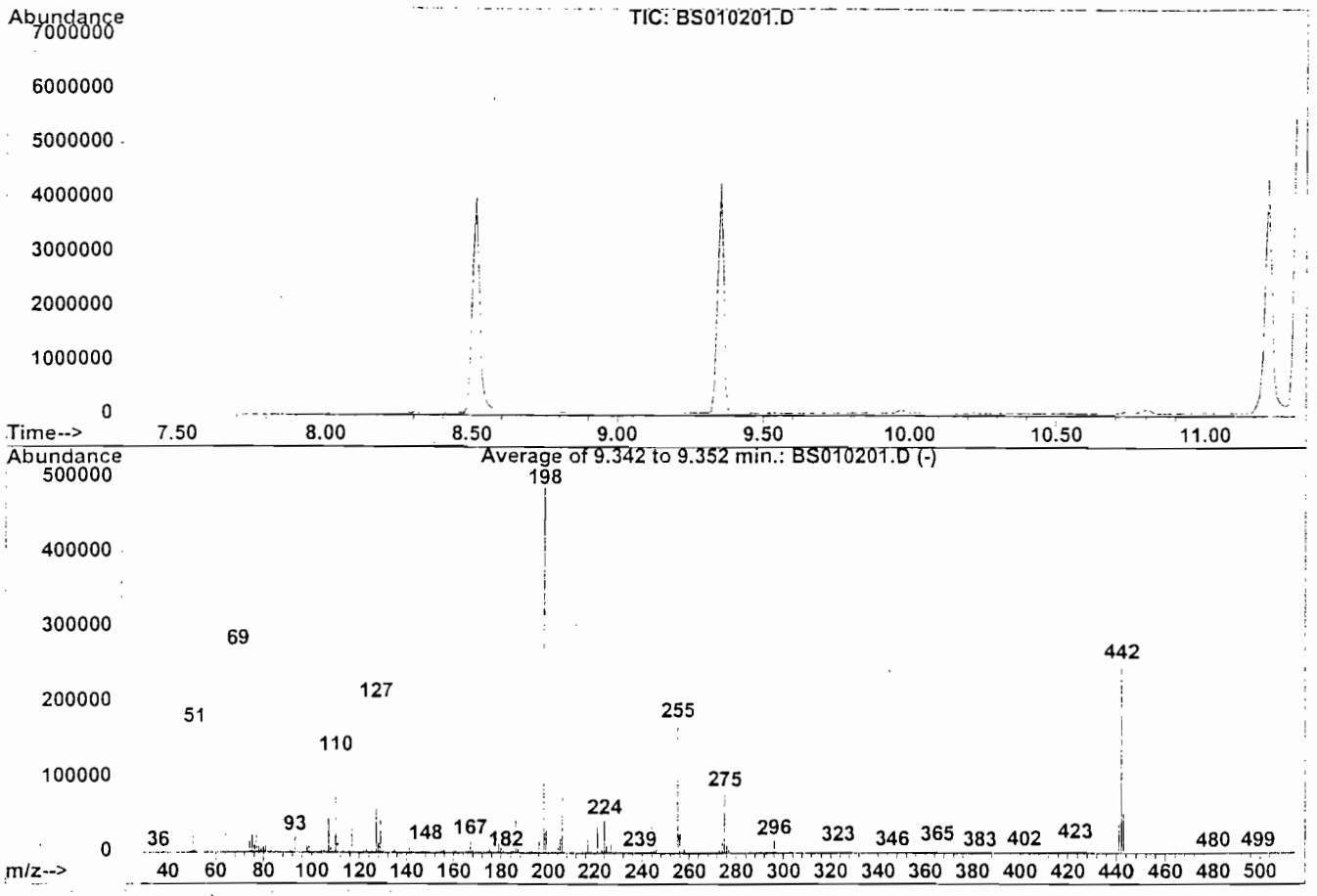
Spectrum Information: Average of 9.431 to 9.472 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.7	67063	PASS
68	69	0.00	2	1.2	1370	PASS
69	198	0.00	100	60.2	109902	PASS
70	69	0.00	2	0.4	434	PASS
127	198	40	60	40.6	74249	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	182687	PASS
199	198	5	9	6.6	12099	PASS
275	198	10	30	17.1	31302	PASS
365	198	1	100	1.8	3368	PASS
441	443	0.01	100	9.6	2355	PASS
442	198	40	100	70.5	128794	PASS
443	442	17	23	19.0	24533	PASS

A0150

Data File : C:\HPCHEM\1\DATA\BS010200\BS010201.D Vial: 1
Acq On : 2 Jan 2001 13:00 Operator: SJT
Sample : 50 ng DFTPP Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION



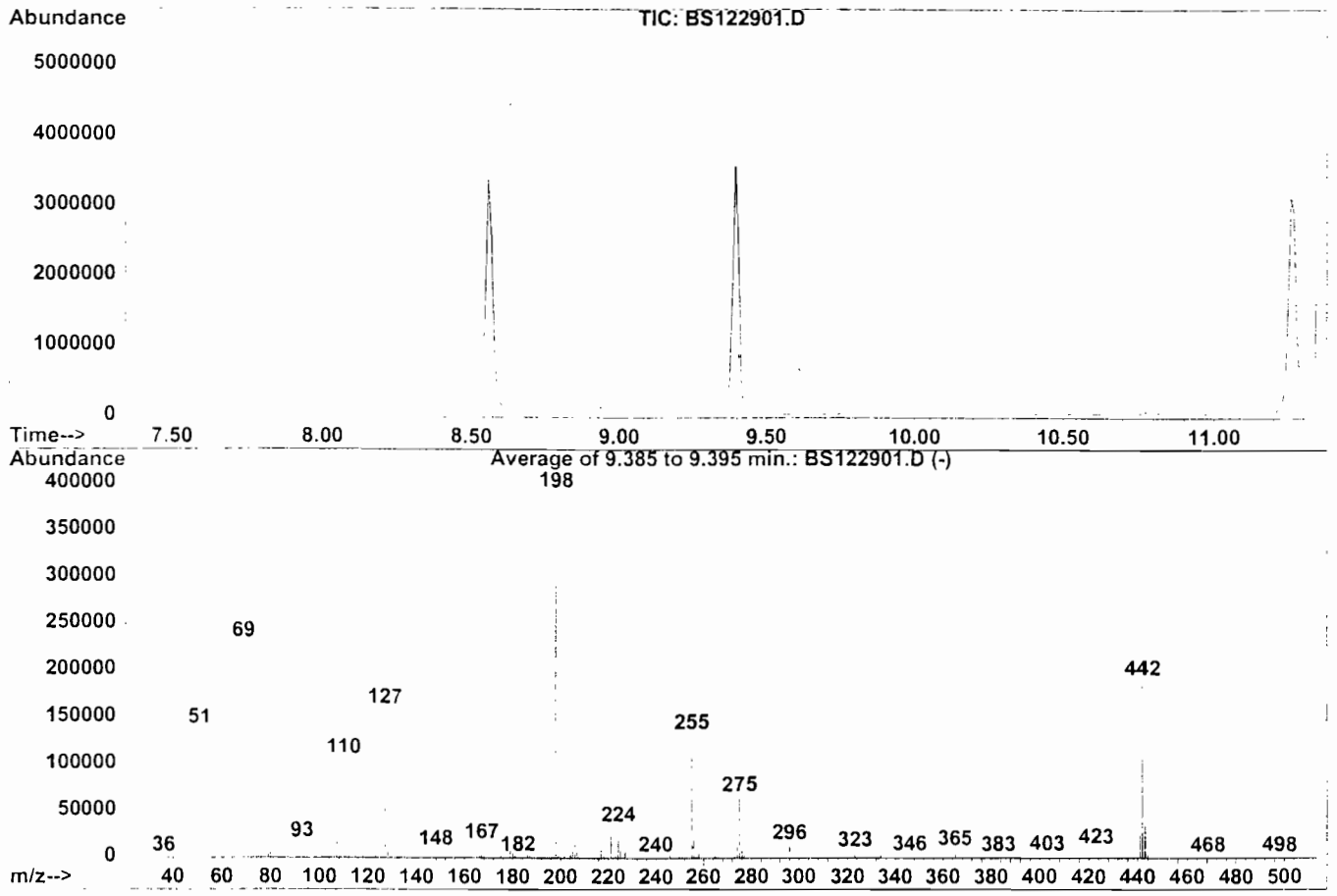
Spectrum Information: Average of 9.342 to 9.352 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.7	164520	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.0	268160	PASS
70	69	0.00	2	0.3	914	PASS
127	198	40	60	40.7	198464	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	488000	PASS
199	198	5	9	6.6	31972	PASS
275	198	10	30	16.6	80881	PASS
365	198	1	100	1.7	8268	PASS
441	443	0.01	100	75.6	40036	PASS
442	198	40	100	51.6	251789	PASS
443	442	17	23	21.0	52956	PASS

00151

Data File : C:\HPCHEM\1\DATA\BS122900\BS122901.D Vial: 1
Acq On : 29 Dec 2000 16:00 Operator: SJT
Sample : 50 ng DFTPP Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION



Spectrum Information: Average of 9.385 to 9.395 min.

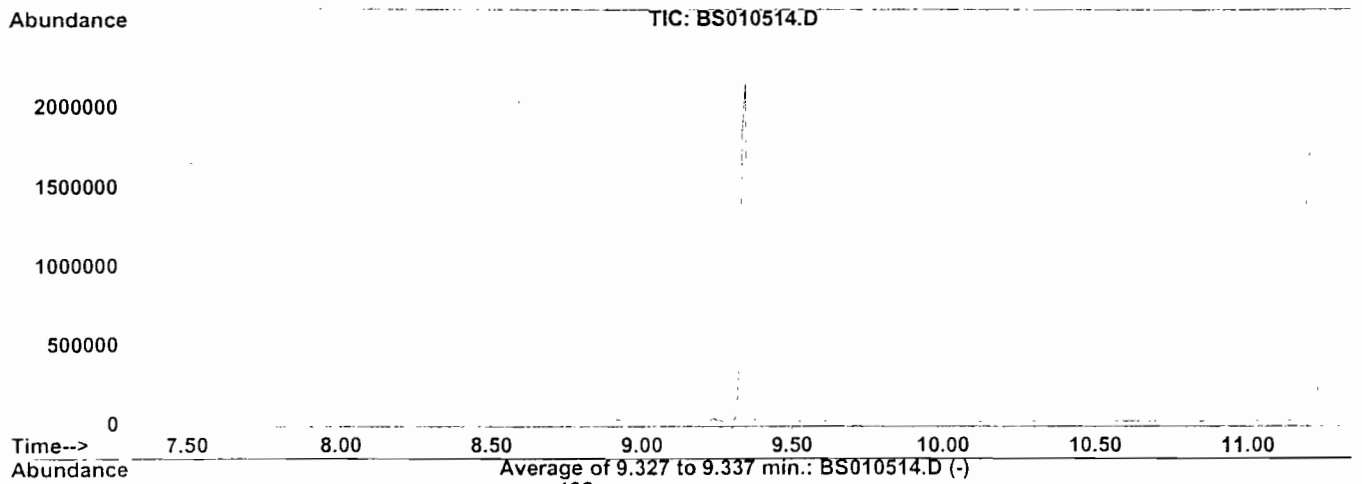
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.7	136692	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.2	229085	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	40.1	157776	PASS
197	198	0.00	1	0.9	3682	PASS
198	198	100	100	100.0	393760	PASS
199	198	5	9	6.6	26020	PASS
275	198	10	30	16.5	64864	PASS
365	198	1	100	1.7	6847	PASS
441	443	0.01	100	76.9	27004	PASS
442	198	40	100	48.1	189204	PASS
443	442	17	23	18.6	35108	PASS

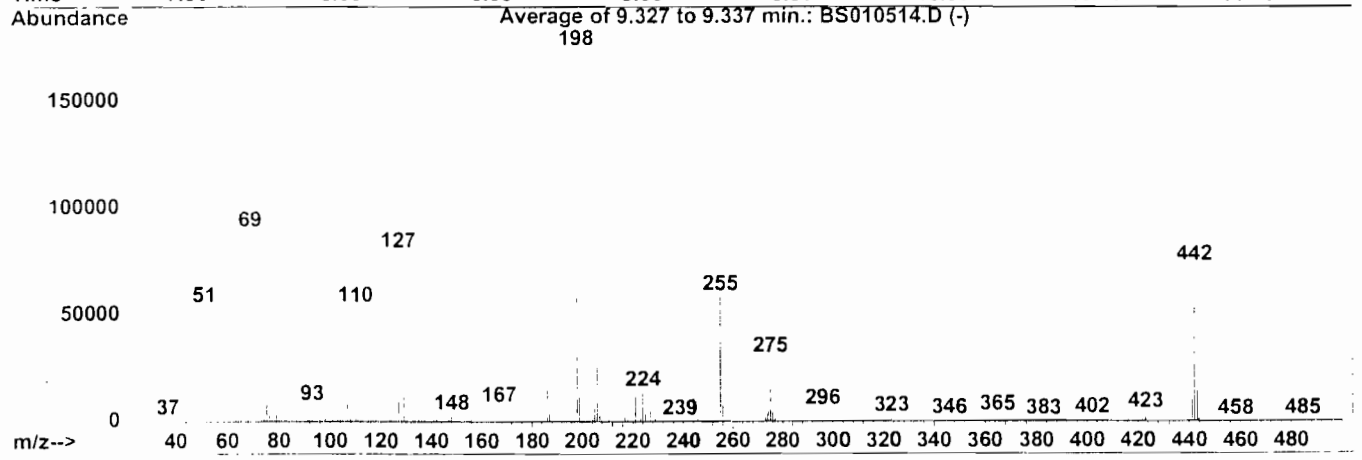
00152

DFTPP

Data File : C:\HPCHEM\1\DATA\BS010501\BS010514.D Vial: 1
Acq On : 5 Jan 2001 22:29 Operator: SJT
Sample : 50 ng DFTPP Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION





Spectrum Information: Average of 9.327 to 9.337 min.

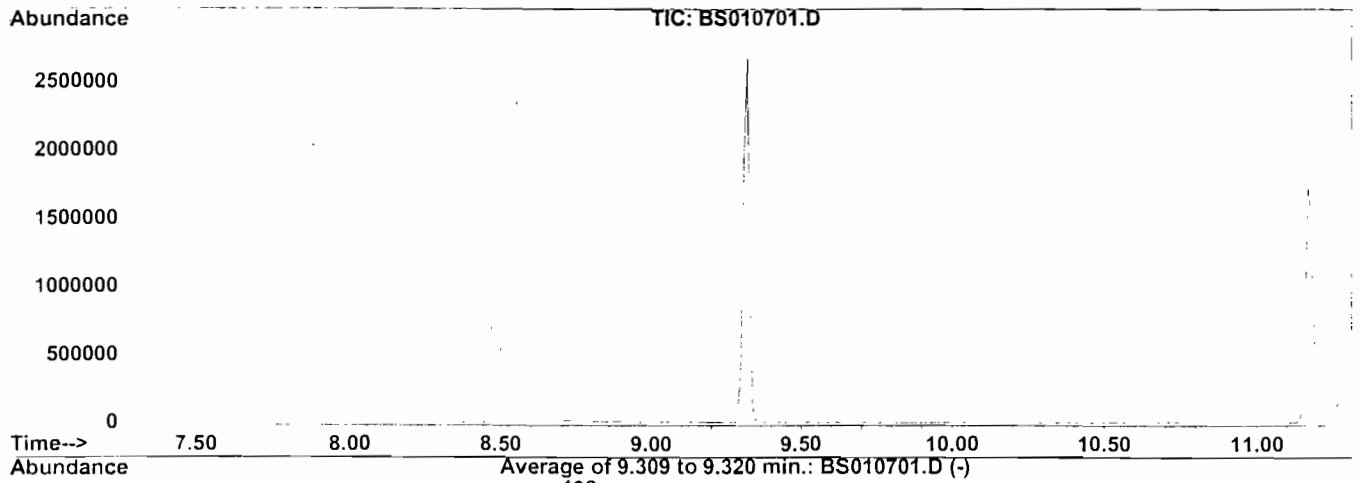
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.4	53296	PASS
68	69	0.00	2	1.1	980	PASS
69	198	0.00	100	50.5	88579	PASS
70	69	0.00	2	0.4	318	PASS
127	198	40	60	44.8	78660	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	175508	PASS
199	198	5	9	6.7	11744	PASS
275	198	10	30	16.8	29564	PASS
365	198	1	100	1.2	2030	PASS
441	443	0.01	100	69.3	10035	PASS
442	198	40	100	41.1	72152	PASS
443	442	17	23	20.1	14488	PASS

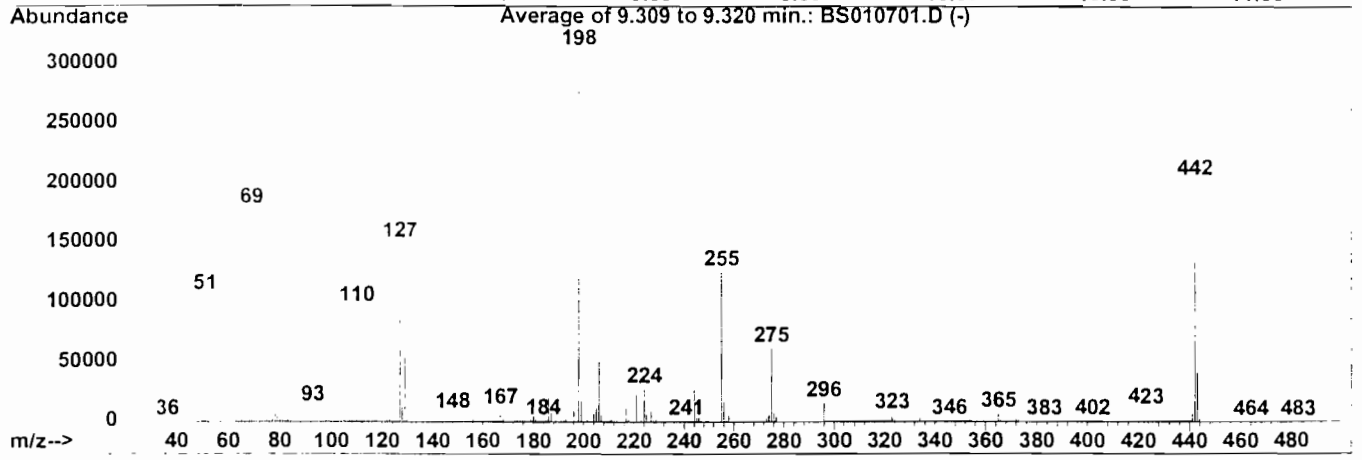
00153

DFTPP

Data File : C:\HPCHEM\1\DATA\BS010701\BS010701.D Vial: 1
Acq On : 7 Jan 2001 21:45 Operator: SJT
Sample : 50 ng DFTPP Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION



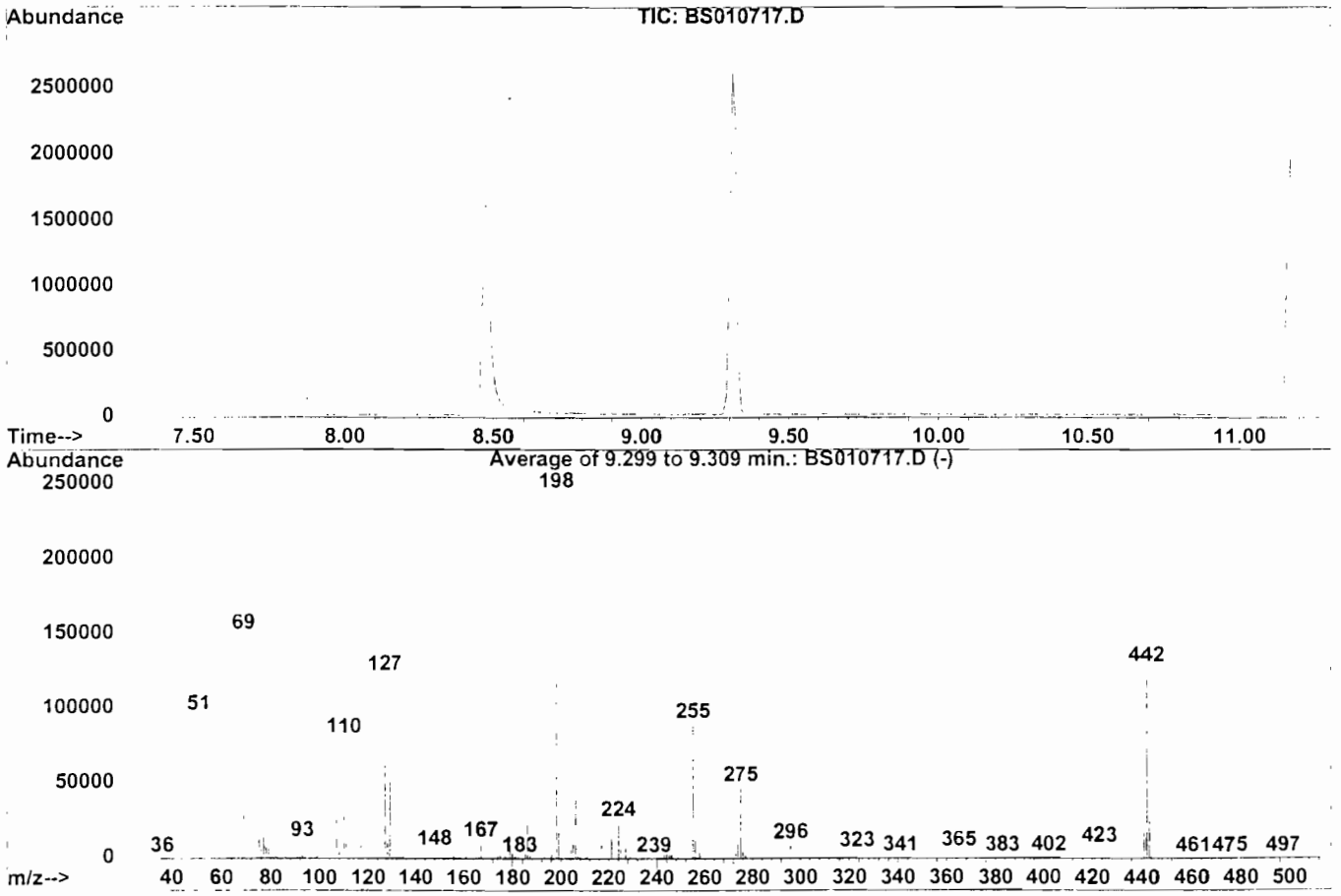


Spectrum Information: Average of 9.309 to 9.320 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.6	105432	PASS
68	69	0.00	2	1.0	1720	PASS
69	198	0.00	100	56.7	177920	PASS
70	69	0.00	2	0.4	778	PASS
127	198	40	60	47.6	149344	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	313824	PASS
199	198	5	9	6.1	19264	PASS
275	198	10	30	19.8	62032	PASS
365	198	1	100	2.2	6839	PASS
441	443	0.01	100	18.7	7665	PASS
442	198	40	100	64.6	202580	PASS
443	442	17	23	20.2	41008	PASS

Data File : C:\HPCHEM\1\DATA\BS010701\BS010717.D Vial: 1
Acq On : 8 Jan 2001 10:01 Operator: SJT
Sample : 50 ng DFTPP Inst : bn2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION



Spectrum Information: Average of 9.299 to 9.309 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.7	95156	PASS
68	69	0.00	2	1.1	1654	PASS
69	198	0.00	100	60.7	149379	PASS
70	69	0.00	2	0.2	299	PASS
127	198	40	60	49.5	121712	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	246080	PASS
199	198	5	9	7.1	17418	PASS
275	198	10	30	19.1	47018	PASS
365	198	1	100	1.6	3965	PASS
441	443	0.01	100	70.0	17328	PASS
442	198	40	100	51.9	127620	PASS
443	442	17	23	19.4	24738	PASS

00155

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11247 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS122905.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/00

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
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
85-01-8	Phenanthrene	330	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11247 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS122905.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

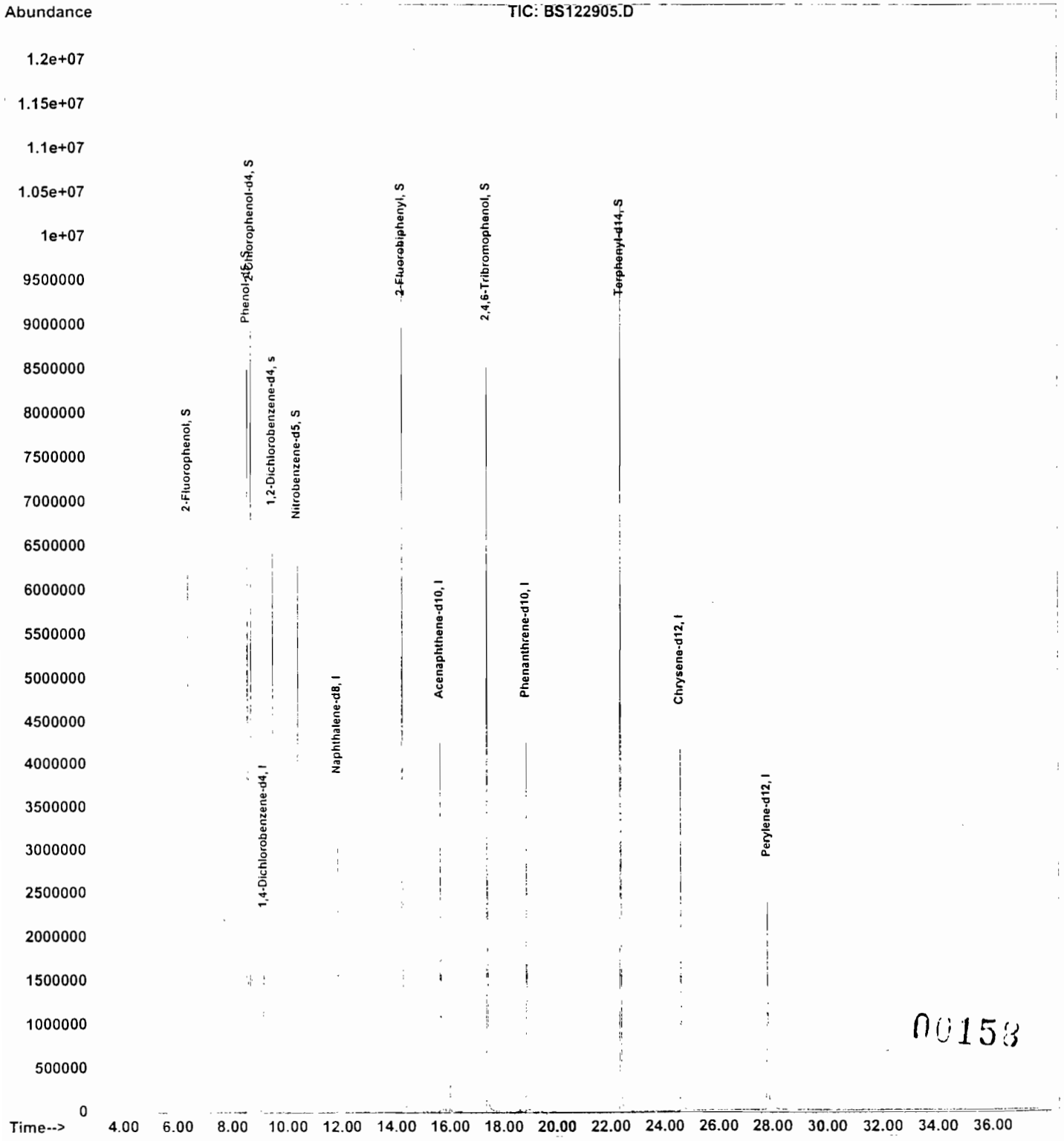
GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
120-12-7	Anthracene	330	U
86-74-8	Carbazole	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 : C:\HPCHEM\1\DATA\BS122900\BS122905.D Vial: 5
Acq On : 29 Dec 2000 18:53 Operator: SJT
Sample : BLANK1-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 18:32 2001 Quant Results File: BS1203C.RES

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Multiple Level Calibration



00158

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS122900\BS122905.D Vial: 5
Acq On : 29 Dec 2000 18:53 Operator: SJT
Sample : BLANK1-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 18:32 2001 Quant Results File: BS1203C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.16	152	806162	40.00	ng	0.15
22) Naphthalene-d8	11.86	136	3061597	40.00	ng	0.31
39) Acenaphthene-d10	15.68	164	2014550	40.00	ng	0.61
62) Phenanthrene-d10	18.88	188	3629968	40.00	ng	0.83
74) Chrysene-d12	24.61	240	3326273	40.00	ng	1.23
85) Perylene-d12	27.84	264	2721566	40.00	ng	1.32
System Monitoring Compounds						
4) 2-Fluorophenol	6.40	112	5915537	303.18	ng	0.00
6) Phenol-d5	8.56	99	8897933	310.43	ng	0.15
11) 2-Chlorophenol-d4	8.70	132	6156390	276.96	ng	0.13
14) 1,2-Dichlorobenzene-d4	9.48	152	2181462	159.03	ng	0.17
24) Nitrobenzene-d5	10.40	82	4114816	177.21	ng	0.23
41) 2,4,6-Tribromophenol	17.42	330	2735752	249.87	ng	0.73
44) 2-Fluorobiphenyl	14.26	172	6616013	122.42	ng	0.50
77) Terphenyl-d14	22.40	244	8185953	146.26	ng	1.09
Target Compounds						Qvalue

thimmdley
01/02/01

00150

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLKSPK-1

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11247 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: BLKSPK-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS122906.D

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

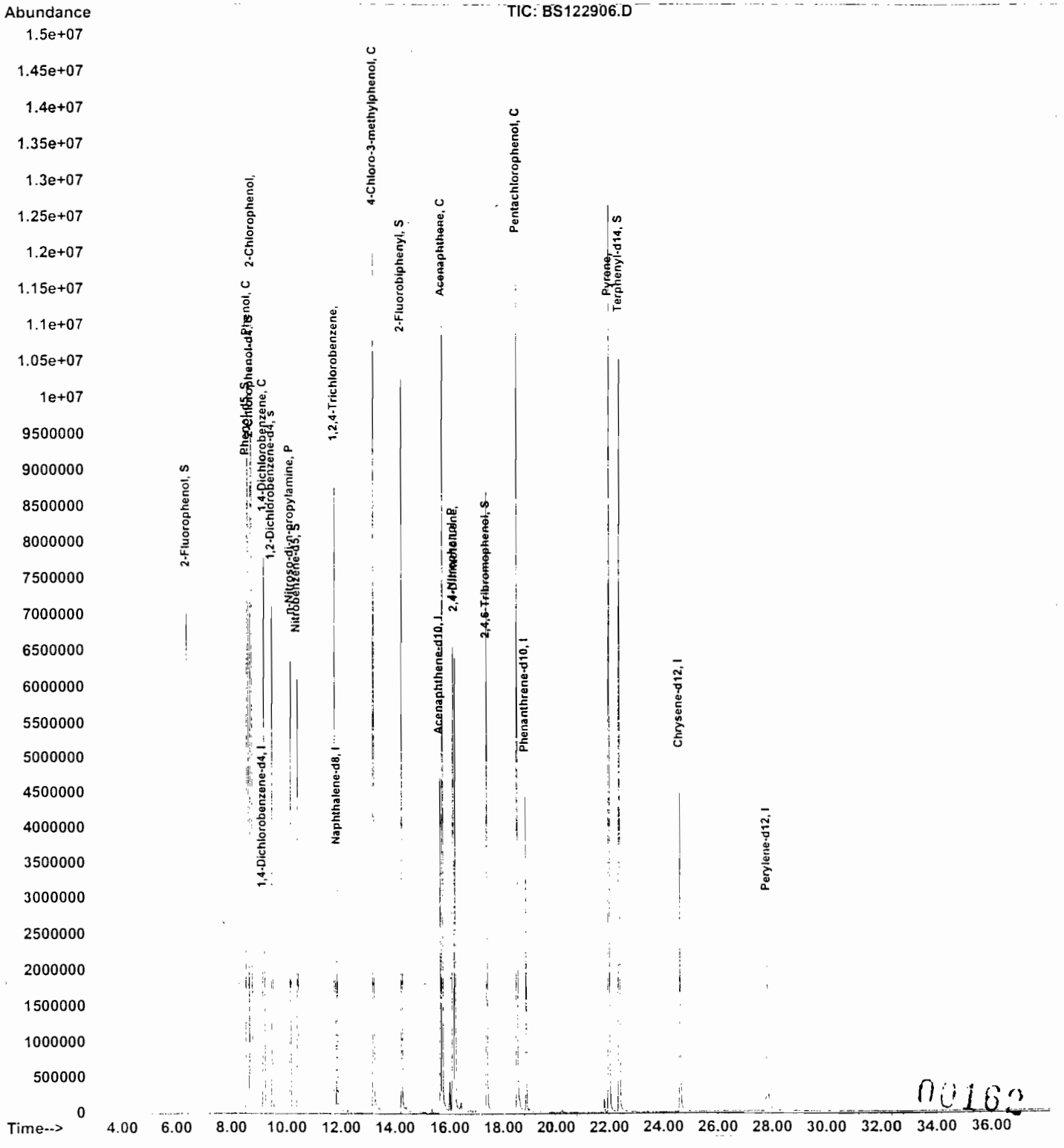
GPC Cleanup: (Y/N) N pH: _____

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	2600	
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	2500	
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	2400	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	2400	
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
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
85-01-8	Phenanthrene	330	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS122900\BS122906.D Vial: 6
Acq On : 29 Dec 2000 19:41 Operator: SJT
Sample : BLANKSPK1-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 18:34 2001 Quant Results File: BS1203C.RES

Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Multiple Level Calibration



00162

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS122900\BS122906.D Vial: 6
Acq On : 29 Dec 2000 19:41 Operator: SJT
Sample : BLANKSPK1-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 2 18:34 2001 Quant Results File: BS1203C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS1203C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 04 10:36:41 2000
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.16	152	821873	40.00	ng		0.15
22) Naphthalene-d8	11.88	136	3242572	40.00	ng		0.33
39) Acenaphthene-d10	15.67	164	2205580	40.00	ng		0.60
62) Phenanthrene-d10	18.87	188	3804154	40.00	ng		0.82
74) Chrysene-d12	24.61	240	3542664	40.00	ng		1.23
85) Perylene-d12	27.84	264	2879326	40.00	ng		1.32
System Monitoring Compounds							
4) 2-Fluorophenol	6.40	112	6504256	326.98	ng		0.00
6) Phenol-d5	8.58	99	9321689	319.00	ng		0.17
11) 2-Chlorophenol-d4	8.71	132	6671429	294.40	ng		0.15
14) 1,2-Dichlorobenzene-d4	9.48	152	2408176	172.20	ng		0.17
24) Nitrobenzene-d5	10.40	82	4324702	175.85	ng		0.23
41) 2,4,6-Tribromophenol	17.43	330	3005383	250.72	ng		0.74
44) 2-Fluorobiphenyl	14.26	172	7466830	126.20	ng		0.50
77) Terphenyl-d14	22.40	244	8414044	141.16	ng		1.10
Target Compounds							Qvalue
7) 2-Chlorophenol	8.75	128	6466867	303.48	ng		94
9) Phenol	8.61	94	8805426	266.81	ng		76
13) 1,4-Dichlorobenzene	9.19	146	4060074	153.42	ng		99
20) n-Nitroso-di-n-propylamine	10.16	70	3267651	188.58	ng		96
31) 1,2,4-Trichlorobenzene	11.78	180	3655789	148.80	ng		99
37) 4-Chloro-3-methylphenol	13.23	107	6416989	246.39	ng		96
51) Acenaphthene	15.75	154	6742786	144.04	ng		99
55) 4-Nitrophenol	16.16	139	5325127	126.90	ng		1
56) 2,4-Dinitrotoluene	16.23	165	3729349	145.53	ng	#	90
68) Pentachlorophenol	18.54	266	4161725	328.49	ng		98
76) Pyrene	22.00	202	14490889	123.94	ng		99

Thimothy
04/02/04

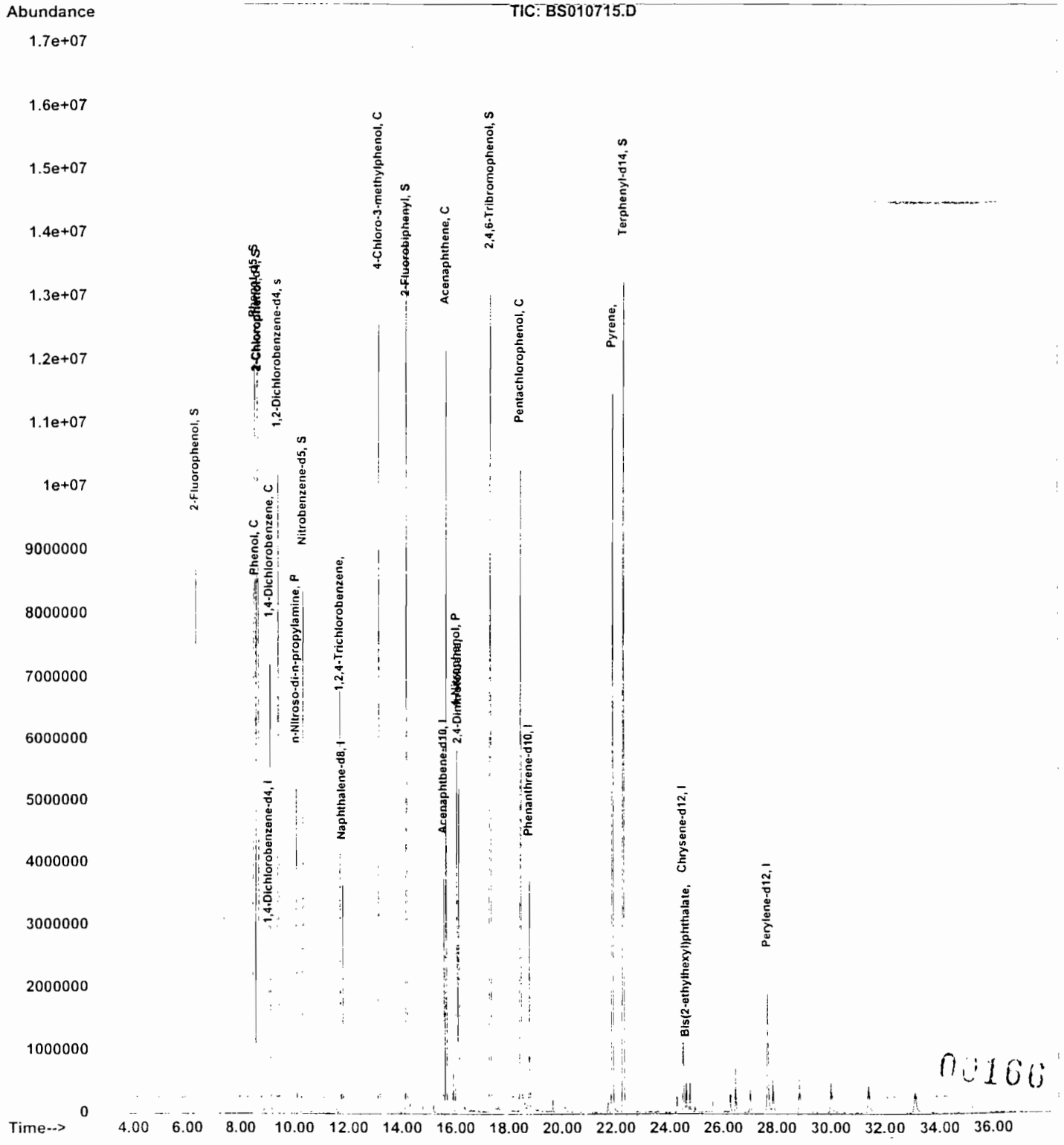
00163

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010715.D Vial: 15
Acq On : 8 Jan 2001 8:31 Operator: SJT
Sample : L2623-03MS-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 10:08 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Multiple Level Calibration



09166

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010715.D Vial: 15
Acq On : 8 Jan 2001 8:31 Operator: SJT
Sample : L2623-03MS-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 10:08 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.07	152	785005	40.00	ng		-0.04
22) Naphthalene-d8	11.78	136	2976167	40.00	ng		-0.05
39) Acenaphthene-d10	15.57	164	1696557	40.00	ng		-0.06
62) Phenanthrene-d10	18.78	188	2793907	40.00	ng		-0.06
74) Chrysene-d12	24.50	240	2641551	40.00	ng		-0.10
85) Perylene-d12	27.67	264	2155578	40.00	ng		-0.12
System Monitoring Compounds							
4) 2-Fluorophenol	6.33	112	11016090	545.01	ng		-0.03
6) Phenol-d5	8.53	99	14812348	489.96	ng		0.01
11) 2-Chlorophenol-d4	8.63	132	11857382	517.57	ng		-0.02
14) 1,2-Dichlorobenzene-d4	9.40	152	4154959	312.82	ng		-0.04
24) Nitrobenzene-d5	10.34	82	6724189	284.69	ng		-0.02
41) 2,4,6-Tribromophenol	17.33	330	5190441	601.74	ng		-0.04
44) 2-Fluorobiphenyl	14.18	172	11285308	254.95	ng		-0.04
77) Terphenyl-d14	22.31	244	12211805	265.22	ng		-0.04
Target Compounds							Qvalue
7) 2-Chlorophenol	8.66	128	6240624	296.83	ng		92
9) Phenol	8.56	94	8052554	229.75	ng		99
13) 1,4-Dichlorobenzene	9.10	146	4007872	158.50	ng		99
20) n-Nitroso-di-n-propylamine	10.07	70	2788218	192.09	ng	#	94
31) 1,2,4-Trichlorobenzene	11.70	180	3285285	158.83	ng		98
37) 4-Chloro-3-methylphenol	13.14	107	6016734	296.60	ng		93
51) Acenaphthene	15.65	154	5984625	170.13	ng		99
55) 4-Nitrophenol	16.06	139	4198823	153.74	ng		32
56) 2,4-Dinitrotoluene	16.13	165	2860555	154.27	ng		98
68) Pentachlorophenol	18.45	266	3598127	351.63	ng		98
76) Pyrene	21.89	202	11390064	129.66	ng		100
82) Bis(2-ethylhexyl)phthalate	24.62	149	315176	5.57	ng	#	96

01/08/01

00167

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-5MSD

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11373 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O03MSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010716.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/8/01

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	3100	
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
621-64-7	n-Nitroso-di-n-propylamine	3700	
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	3100	
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	3300	
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	3100	
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
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
85-01-8	Phenanthrene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DW-5MSD

Lab Name: CHEMTECH Contract: GCI CONSULTANTS

Project No.: L2623 Site: 161 SWEETH Location: LB11373 Group: DW-2

Matrix: (soil/water) SOIL Lab Sample ID: O03MSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BS010716.D

Level: (low/med) LOW Date Received: 12/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 12/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/8/01

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
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	2500	
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	44	J
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

FORM I SV

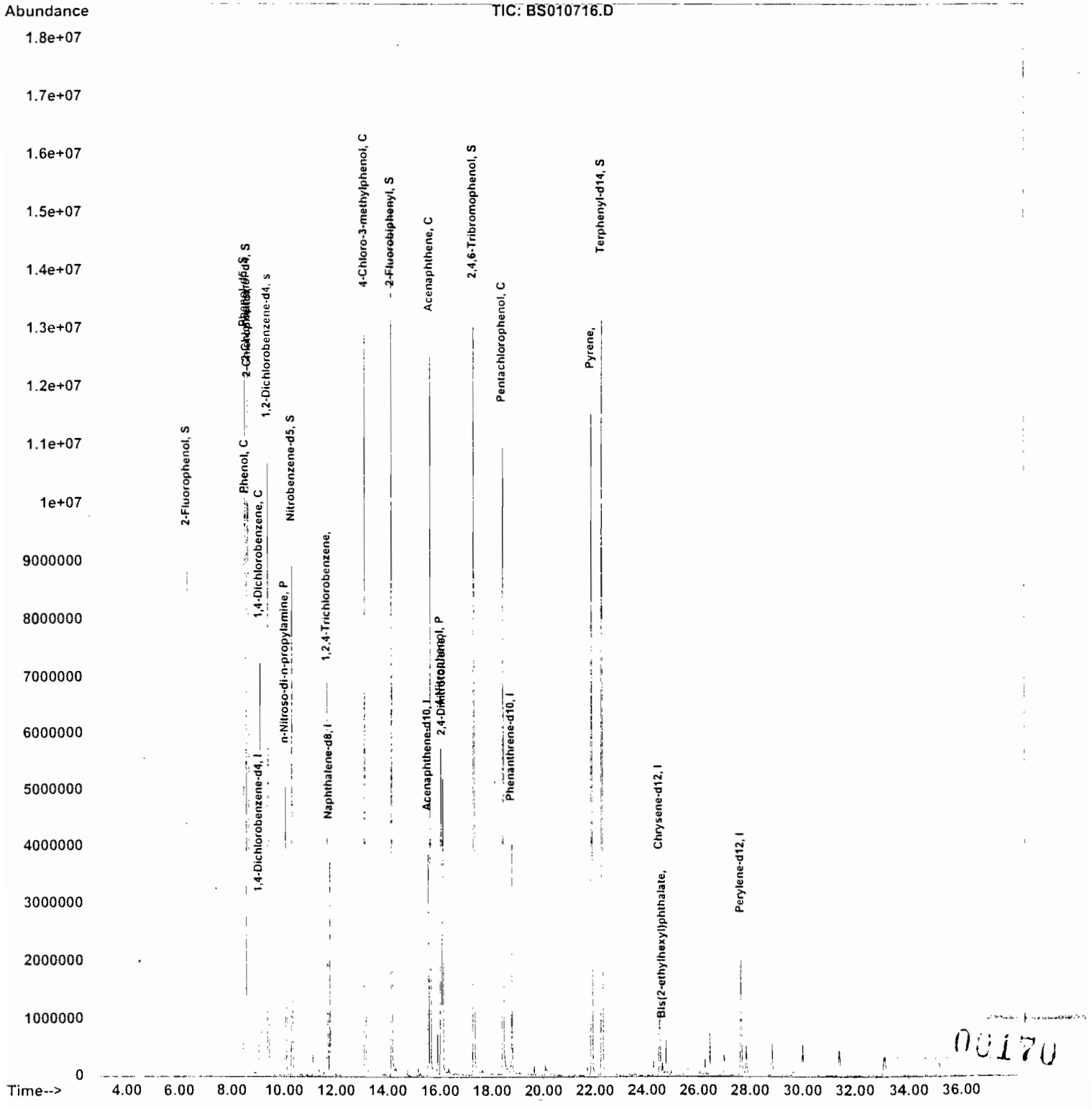
3/90

0016

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BS010701\BS010716.D Vial: 16
Acq On : 8 Jan 2001 9:19 Operator: SJT
Sample : L2623-03MSD-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 10:11 2001 Quant Results File: BS0102C.RES

Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Multiple Level Calibration



00170

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\BS010701\BS010716.D Vial: 16
Acq On : 8 Jan 2001 9:19 Operator: SJT
Sample : L2623-03MSD-PB122700-04 Inst : bn2
Misc : Multiplr: 1.00
Quant Time: Jan 8 10:11 2001 Quant Results File: BS0102C.RES

Quant Method : C:\HPCHEM\1\METHODS\BS0102C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 08 09:45:32 2001
Response via : Initial Calibration
DataAcq Meth : B2_BNA

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.07	152	817087	40.00	ng		-0.04
22) Naphthalene-d8	11.78	136	3090809	40.00	ng		-0.05
39) Acenaphthene-d10	15.57	164	1807635	40.00	ng		-0.06
62) Phenanthrene-d10	18.78	188	3011625	40.00	ng		-0.06
74) Chrysene-d12	24.51	240	2820176	40.00	ng		-0.10
85) Perylene-d12	27.67	264	2293048	40.00	ng		-0.11
System Monitoring Compounds							
4) 2-Fluorophenol	6.33	112	11368751	540.37	ng		-0.03
6) Phenol-d5	8.53	99	15398637	489.36	ng		0.01
11) 2-Chlorophenol-d4	8.63	132	12432622	521.37	ng		-0.02
14) 1,2-Dichlorobenzene-d4	9.40	152	4272678	309.05	ng		-0.04
24) Nitrobenzene-d5	10.34	82	7131606	290.74	ng		-0.02
41) 2,4,6-Tribromophenol	17.33	330	5379345	585.32	ng		-0.04
44) 2-Fluorobiphenyl	14.18	172	12201827	258.72	ng		-0.04
77) Terphenyl-d14	22.31	244	12705073	258.45	ng		-0.04
Target Compounds							Qvalue
7) 2-Chlorophenol	8.66	128	6655914	304.15	ng		93
9) Phenol	8.56	94	8144192	223.24	ng		96
13) 1,4-Dichlorobenzene	9.11	146	4117020	156.43	ng		97
20) n-Nitroso-di-n-propylamine	10.07	70	2863259	189.52	ng	#	95
31) 1,2,4-Trichlorobenzene	11.70	180	3401997	158.37	ng		98
37) 4-Chloro-3-methylphenol	13.14	107	6323341	300.15	ng		93
51) Acenaphthene	15.65	154	6318405	168.58	ng		99
55) 4-Nitrophenol	16.06	139	4603682	158.21	ng		33
56) 2,4-Dinitrotoluene	16.13	165	3102425	157.04	ng		97
68) Pentachlorophenol	18.45	266	3841224	348.25	ng		98
76) Pyrene	21.90	202	12065369	128.65	ng		100
82) Bis(2-ethylhexyl)phthalate	24.62	149	134310	2.22	ng	#	96

04/08/01

00171

= qualified out of range (m) = manual integration

CHEMTECH

SEMI-VOLATILE

MISCELLANEOUS DATA

00172

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: L2623 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 and CLP.			✓
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			✓ ✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
	a. B/N Fraction			
	b. Acid Fraction			
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. a. B/N Fraction See the Summary page b. Acid Fraction		✓	✓
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			✓

00173

PEER REVIEW CHECKLIST FOR GCMS SEMI-VOA DATA

Fraction: BN Project #: L2623

Sample Numbers: 1,2,3

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 and CLP, 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.	✓
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.	✓
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:

00175

SAMPLES:

ITEM	Completed
Check that all manual integrations are initialed and dated.	✓
Check quant report for targeted compounds called and randomly verify quantitation (be sure to take moisture and dilutions into account).	✓
Verify that the appropriate number and largest non-target peaks are called.	✓
Check to ensure that compounds which exceed the linear range have been diluted re-analyzed, and quanted from the dilution.	✓
Check that reporting limits are typical and if not (reason is not apparent) are footnoted.	✓
Verify reporting limits for extra compounds.	✓
Check nontargeted results for proper concentration, CAS #, retention time, compounds need to be flagged with B or J.	✓
Check that spectra are included for all compounds called.	✓
Check chromatograms to ensure that all peaks are accounted for.	✓
Check if any of the data requires a footnote.	✓
Check that the samples were run / extracted within their holding time.	✓

Non – Conformance / Comments: _____

Peer Review Signature: _____ Date: 1/8/01

TECHNICAL SUPERVISOR REVIEW:

ITEM	Completed
Check for compliance with the Method and project specific requirements.	✓
Check the report for completeness.	✓
Check the information in the case narrative.	✓
Check the results for reasonableness.	✓

Technical Supervisor Review Signature: _____ Date: 1/9/01

00176

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

Daily Analysis Runlog For GC/MS #: MSBNA"S" 6

Start Date: 12/3/00 End Date: 12/3/00 Analyst lllo Review By: MP

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	0EP239	Initial Calibration Stds.	0EP283 – 0EP287
CCC	—	SUBDIRECTORY	—
Internal Stds.	0E5136	HP Method	BS1203C.m
SM QC Batch #	—	HP Method	—

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	50ng DFTPP	BS120301			ok
2	80 ng ICC	02			ok
3	50 ng ICC	03			ok
4	120 ng ICC	04			ok
5	160 ng ICC	05		BS1203C.m	ok
6	20 ng ICC	06			ok
7	20 ng ICC	07			Do not use
8					
9					
10					
11					
12					
13					
14					
15				lllo 12/4/00	
16					
17					
18					
19					
20					

00177

Rev 2 Rev Date 10/25/00

Logbook Page: 028

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

Daily Analysis Runlog For GC/MS #: MSBNA"S" 6

Start Date: 01/02/00 End Date: 01/03/00 Analyst HP Review By: MW

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP239	Initial Calibration Stds.	OEP283-OEP287
CCC	OEP285	SUBDIRECTORY	—
Internal Stds.	OES136	HP Method	BS0102C.M
SM QC Batch #	LB11271 (8270-SCIL) LB11272 (8270-WATER)	HP Method	BS1203C.M

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	DFTPP	BS0102 01		13:00	OK
2	80 ng ICC	02			OK
3	20 ng ICC	03			OK
4	50 ng ICC	04		BS0102C.M	OK
5	120 ng ICC	05			OK
6	160 ng ICC	06			OK
7	GPC BLK	07	—		OK
8	BLK-2	08	8270	PB122100-03	OK
9	BLKSPK-2	09			OK
10	L2633-07	10			OK
11	05	11		PB1228-05	OK
12	06	12			OK
13	02	13			OK
14	L2568-03	14		PB122100-03 40x	OK
15	06	15		20x	OK
16	BLK	16		1:06	~~OK~~ OUT OF TIME HP 01/03
17					
18					
19					AU173
20					

Rev 2 Rev Date 10/25/00

U60 HP 01/03/00

Logbook Page: _____

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

Daily Analysis Runlog For GC/MS #: MSBNA"S" 6

Start Date: 12/29/00 End Date: 12/30/00 Analyst: [signature] Review By: [signature]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP239	Initial Calibration Stds.	OEP283-OEP287
CCC	OEP285	SUBDIRECTORY	
Internal Stds.	OES136	HP Method	BS1203C.M
SM QC Batch #	LB112431(8270) ~~LB112444 LT~~ LB112447(BLK|SPK1-PB1227-04)	HP Method	

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	DFTPP	BS122904		16:00	OK
2	CCC	02			OK
3	BLK-1	03	8270	PB1227-05	OK
4	BLKSPK-1	04		↓	OK
5	BLK-1	05		PB1227-04	OK
6	BLKSPK-1	06		↓	OK
7	L2630-02	07		PB1227-04	OK
8	-04	08		↓	OK
9	-03	09		↓	OK
10	L2629-14	10		PB1227-05	OK
11	-19	11		↓	OK
12	-06	12		↓	OK
13	-03	13		↓	OK
14	-18	14		↓	OK
15	L2630-01	15		PB1227-04	OK
16	L2629-05	16		PB1227-05 3:41	OK
17					
18					
19				1/1/01	00179
20					

Rev 2 Rev Date 10/25/00

Logbook Page: 063

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

Daily Analysis Runlog For GC/MS #: MSBNA"S" 6

Start Date: 01/05/04 End Date: 01/06/04 Analyst Hima Thy Review By: WWB

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP239	Initial Calibration Stds.	OEP283-OEP287
CCC	OEP285	SUBDIRECTORY	BS010500
Internal Stds.	OES136	HP Method	BS04021.M
SM QC Batch #	LB11365 (SOIL) LB11366 (WATER)	HP Method	

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	DFTPP	BS040514		22:29	OK
2	CCC	15			OK
3	L2622-09	16	8270	PB122700-04	OK
4	L2622-02	17		↓	OK
5	L2621-03	18		PB121500-02	DIL 10X
6	L2623-04	19		PB122700-04	OK
7	L2622-11	20			OK
8	L2622-08	21			DIL 5X
9	L2622-07	22			OK
10	L2622-03	23			OK
11	L2622-04	24			OK
12	L2622-01	25			OK
13	L2623-02	26			OK
14	L2622-10	27			OK
15	L2622-06	28			OK
16	L2668-05	29		PB122900-03 10:08	DIL 2X
17					
18					
19				1/7/04	
20					

Rev 2 Rev Date 10/25/00

00180

073

Logbook Page: _____

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

Daily Analysis Runlog For GC/MS #: MSBNA"S" 6

Start Date: 01/07/04 End Date: 01/08/04 Analyst Himadri Review By: MWD

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP239	Initial Calibration Stds.	OEP283-OEP287
CCC	OEP285	SUBDIRECTORY	
Internal Stds.	OES136	HP Method	BSN02C-M
SM QC Batch #	LB11371 (8270, WATER) i LB11372 (LTCLP) i LB11373 (8270, SOIL)	HP Method	

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	DFTPP	BSN0704		21:45	ok
2	CCC	02			ok
3	L2607-04	03	8270	PB122800-03	ok
4	-02	04			ok
5	-03	05			ok
6	-04	06			ok
7	-05	07			ok
8	-06	08			ok
9	-07	09			ok
10	-07MS	10			ok
11	-07MSD	11			ok
12	L2621-14	12		~~HP~~ PB122902-1500-02	ok
13	-12	13		01/08/04	ok
14	L2622-05	14			ok
15	L2623-03MS	15		PB122702-04	ok
16	-03MSD	16		9:19	ok
17					
18					
19				1/9/04	00181
20					

Rev 2 Rev Date 10/25/00

075

Logbook Page: _____

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

Daily Analysis Runlog For GC/MS #: MSBNA"S" 6

Start Date: 01/08/01 End Date: 1/8/01 Analyst Timothy Review By: MW

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP239	Initial Calibration Stds.	OEP283-OEP287
CCC	OEP285	SUBDIRECTORY	BS010708
Internal Stds.	OES136	HP Method	BS010208.M
SM QC Batch #	LB11373 (8270, SOIL)	HP Method	

SR. #:	Sample ID	Data File Name	Method #:	Run Information	Comment
1	DFTPP	BS010717		10:04	ok
2	CCC	18			ok
3	L2623-03	19	8270	PB122700-04	ok
4	L2621-03	20	↓	PB121500-02 10x	ok
5	L2622-08	21	↓	PB122700-04 5x	ok
6					
7					
8					
9					
10					
11					
12					
13				1/8/01	
14					
15					
16					
17					
18					
19					00132
20					

Rev 2 Rev Date 10/25/00

Logbook Page: _____

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

Extraction Logpage For: Semi-Volatile

Matrix: Soil Method #: 3550 Batch #: PB 122700 04

Cleanup Method : _____ By: _____ Date : 12/27/2000

Setup by: HV Date : 12/27/2000

Concentration by: _____ Date : __/__/____

QC	mL. Spike	Std. Ref. #: From logbook
Blank Spike	1.0	X143
Matrix Spike	↓	↓
Matrix Spike Duplicate	↓	↓
Surrogate	1.0	X153

Solvent/Chemical Used	Lot #:	Comment
Dichlro Methane	T43E92	
Aceton	N32252	
Hexane	T09251	
Sodium Sulfate	TL1634	
Ether		

Daily QC

Sr. #:	Sample #:	Proj. #:	Wt. / Vol. (g. / mL.)	Date	pH	Final Vol. (mL)	Ver. Sur.	Ver. Spk.	Balance Check
1	BLK1	2622	30.00	12/27		1.0	HV		12/29/00
2	BLK SPK1	↓	↓	↓		↓	HV	HV	
3	BLK2								
4	BLK SPK2								
5	BLK3								
6	BLKSPK3								

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

Extraction Logpage For: Semi-Volatile

Preparation Batch #: PB 122700 04 TYPE OF BATCH: Reg Blk (Soil) 8270

Sr. #:	Sample #:	Proj. #:	Wt. / Vol. (g. / mL.)	Date	pH	Final Vol. (mL)	Ver. Sur.	Ver. Spk.	Received Initial /Date	Comment
1	2622-01	2622	30.07	12/27		1.0	HV		-	
2	2622-02	↓	30.10	↓		↓	HV		↓	
3	2622-03		30.08				HV			
4	2622-04		30.04				HV			
5	2622-06		30.12				HV			
6	2622-07		30.10				HV			
7	2622-08		30.07				HV			
8	2622-09		30.11				HV			
9	2622-10		30.06				HV		Thimothy 12/29/00	
10	2622-11	↓	30.09	↓		↓	HV			
11	2623-01	2623	30.10	12/27		1.0	HV			
12	2623-02	↓	30.07	↓		↓	HV			
13	2623-03	↓	30.12	↓		↓	HV			
14	2630-01	2630	30.08	12/27		1.0	HV			
15	2630-02	↓	30.11	↓		↓	HV			
16	2630-03	↓	30.04	↓		↓	HV			
17	2630-04	↓	30.12	↓		↓	HV			
18	2630-05	↓	30.09	↓		↓	HV			
19	2630-06	↓	30.04	↓		↓	HV			
S	2623-03	2623	30.04	12/27		1.0	HV	HV	Thimothy 12/29/00	
SD	2623-03	↓	30.08	↓		↓	HV	HV		

BLK, BLK SPIKE Extracted per day of Extraction Batch
* Relinquished on the same date as Received.

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

Extraction Logpage For: Semi-Volatile

Matrix: Soil Method #: 3550 Batch #: PB 122700 04

Cleanup Method : _____ By: _____ Date : 12/27/2000

Setup by: HV Date : 12/27/2000

Concentration by: _____ Date : __/__/____

QC	mL. Spike	Std. Ref. #: From logbook
Blank Spike	1.0	X143
Matrix Spike	↓	↓
Matrix Spike Duplicate	↓	↓
Surrogate	1.0	X153

Solvent/Chemical Used	Lot #:	Comment
Dichlro Methane	T43692	
Aceton	N32252	
Hexane	T09251	
Sodium Sulfate	TL1634	
Ether		

Daily QC

Sr. #:	Sample #:	Proj. #:	Wt. / Vol. (g. / mL.)	Date	pH	Final Vol. (mL)	Ver. Sur.	Ver. Spk.	Balance Check
1	BLK1	2622	30.00	12/27		1.0	HV		Hmurthy 12/29/00
2	BLK SPK1	↓	↓	↓		↓	HV	HV	
3	BLK2								
4	BLK SPK2								
5	BLK3								
6	BLKSPK3								

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

Extraction Logpage For: Semi-Volatile

Preparation Batch #: PB 122700 04 TYPE OF BATCH: Reg Blk (Soil) 8270

Sr. #:	Sample #:	Proj. #:	Wt. / Vol. (g. / mL.)	Date	pH	Final Vol. (mL)	Ver. Sur.	Ver. Spk.	Received Initial /Date	Comment
1	2622-01	2622	30.07	12/27		1.0	HV		-	
2	2622-02	↓	30.10	↓		↓	HV		↓	
3	2622-03		30.08				HV			
4	2622-04		30.04				HV			
5	2622-06		30.12				HV			
6	2622-07		30.10				HV			
7	2622-08		30.07				HV			
8	2622-09		30.11				HV			
9	2622-10		30.06				HV		Hmurthy 12/29/00	
10	2622-11	↓	30.09	↓		↓	HV		↓	
11	2623-01	2623	30.10	12/27		1.0	HV			
12	2623-02	↓	30.07	↓		↓	HV			
13	2623-03	↓	30.12	↓		↓	HV			
14	2630-01	2630	30.08	12/27		1.0	HV			
15	2630-02	↓	30.11	↓		↓	HV			
16	2630-03		30.04				HV			
17	2630-04		30.12				HV			
18	2630-05		30.09				HV			
19	2630-06	↓	30.01	↓		↓	HV		↓	
MS	2623-03	2623	30.04	12/27		1.0	HV	HV	Hmurthy 12/29/00	
MSD	2623-03	↓	30.08	↓		↓	HV	HV		

BLK, BLK SPIKE Extracted per day of Extraction Batch
* Relinquished on the same date as Received.

FROM

SL375352

G C I ENVIRONMENTAL

1093 MOTOR PKWY

HAUPPAUGE NY 11788

TOM P. SMYTH 516-951-1600

TO Chemtech

205 Campus Plaza I

Edison NJ 08837

001 (9/99) S-07
PACKAGE LABEL

* 670917 6913 *

Payment

Bill to:

Receiver 3rd Party

Paid in Advance

Origin Airbill Number

ISP 6709176913

AIRBORNE EXPRESS.

EXP (Letter - 150 lbs) X

NAS (Letter - 5 lbs)

SDS (Letter - 150 lbs)

Billing Reference (will appear on invoice)

# of Pkgs	Weight (LBS)	Packaging (One box must be checked) Letter Express	Express Pack	Other Packaging
1				X

Special Instructions

SAT HAA

LAB

12/26/00 9:30

670 917 6913

DFGA IW ATBH

48100

CHEMTECH

CHAIN OF CUSTODY RECORD

Please check one:

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

☑ 295 Campus Plaza 1
Edison, NJ 08837
(732) 225-4111
Fax (732) 225-4119

CHEMTECH JOB NO.: L2623A

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: GCI, Inc.

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: 161 Sweethollow Rd.

PROJECT NO.: 960285

PROJECT MANAGER: Matt Boeckel

LOCATION: SAME

PHONE: FAX:

BILLING INFORMATION

BILL TO: GCI PO #:

ADDRESS: 1092 Motor PKWY

CITY: Hauppauge STATE: NY ZIP: 11788

ATTENTION: Matt Boeckel PHONE:

DATA TURNAROUND INFORMATION

FAX: 14 DAYS*
HARD COPY: DAYS*
EDD: DAYS*
* TO BE APPROVED BY CHEMTECH
** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☒ NYS ASP "B"
☐ NJ REDUCED ☐ NYS ASP "A"
☐ NJ CLP ☐ EDD
☐ EDD FORMAT:

ANALYSIS

1 EPA 8270 (Base/Neutrals) 2 8 RCRA Metals 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	DW-2	S	X		12/20	12:30	1	X									
2.	DW-3	S	X		12/21	12:00	2	X	X								
3.	DW-5	S	X		12/20	12:00	2	X	X								
4.																	
5.																	
6.																	
7.																	
8.																	

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

00186

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	12/22/00 1300	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. [signature]	12/26/00 9:10	3. [signature]

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

Page ___ of ___

Shipment Complete: Yes ___ No ___

Ver. 6/2000

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

20777