Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM012023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Jan 21 01:21:49 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM038495.D 5 =BM038496.D 10 =BM038497.D 20 =BM038498.D 40 =BM038499.D 50 =BM038500.D 60 =BM038501.D 80 =BM0385
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.699	0.615	0.583	0.576	0.536	0.510	0.453	0.567	13.88
3)		Pyridine		1.395	1.487	1.639	1.666	1.506	1.359	1.380	1.490	8.29
4)		n-Nitrosodimet...		0.752	0.765	0.760	0.728	0.698	0.656	0.593	0.707	9.00
5)	S	2-Fluorophenol		1.284	1.191	1.235	1.268	1.213	1.176	1.101	1.210	5.10
6)		Aniline		1.865	1.877	1.963	2.023	1.958	1.900	1.827	1.916	3.55
7)	S	Phenol-d6		1.546	1.487	1.582	1.614	1.569	1.542	1.466	1.544	3.38
8)		2-Chlorophenol		1.200	1.209	1.252	1.293	1.258	1.244	1.197	1.236	2.87
9)		Benzaldehyde			1.046	1.022	0.938	0.829	0.744		0.916	13.99
10)	C	Phenol		1.556	1.504	1.602	1.605	1.551	1.523	1.456	1.542	3.46
11)		bis(2-Chloroet...		1.276	1.170	1.262	1.261	1.226	1.194	1.130	1.217	4.49
12)		1,3-Dichlorobe...		1.428	1.358	1.454	1.462	1.419	1.386	1.328	1.405	3.55
13)	C	1,4-Dichlorobe...		1.432	1.363	1.455	1.489	1.438	1.418	1.342	1.420	3.60
14)		1,2-Dichlorobe...		1.360	1.317	1.398	1.429	1.405	1.388	1.329	1.375	3.00
15)		Benzyl Alcohol		1.066	1.113	1.198	1.228	1.186	1.163	1.125	1.154	4.85
16)		2,2'-oxybis(1-...		1.326	1.298	1.351	1.331	1.281	1.222	1.138	1.278	5.85
17)		2-Methylphenol		1.036	1.026	1.119	1.150	1.128	1.108	1.075	1.092	4.32
18)		Hexachloroethane		0.540	0.501	0.529	0.554	0.535	0.532	0.505	0.528	3.55
19)	P	n-Nitroso-di-n...	0.542	1.030	0.993	1.088	1.108	1.100	1.047	1.023	0.991	18.78
20)		3+4-Methylphenols		1.380	1.323	1.499	1.550	1.527	1.497	1.465	1.463	5.63
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.531	0.539	0.553	0.565	0.558	0.557	0.555	0.551	2.17
23)	S	Nitrobenzene-d5		0.455	0.443	0.464	0.475	0.468	0.465	0.453	0.461	2.32
24)		Nitrobenzene		0.483	0.463	0.474	0.477	0.467	0.455	0.443	0.466	2.93
25)		Isophorone		0.730	0.704	0.763	0.791	0.788	0.773	0.771	0.760	4.22
26)	C	2-Nitrophenol		0.161	0.165	0.179	0.194	0.197	0.196	0.202	0.185	8.92
27)		2,4-Dimethylph...		0.286	0.284	0.302	0.320	0.320	0.317	0.326	0.308	5.62
28)		bis(2-Chloroet...		0.414	0.432	0.445	0.464	0.459	0.452	0.447	0.445	3.83
29)	C	2,4-Dichloroph...		0.329	0.333	0.356	0.378	0.378	0.377	0.379	0.361	6.20
30)		1,2,4-Trichlor...		0.401	0.400	0.410	0.426	0.423	0.420	0.411	0.413	2.54
31)		Naphthalene		1.056	1.009	1.075	1.117	1.115	1.114	1.120	1.087	3.90
32)		Benzoic acid			0.150	0.199	0.226	0.236	0.248	0.258	0.219	17.97
33)		4-Chloroaniline		0.399	0.415	0.443	0.479	0.479	0.471	0.488	0.453	7.70
34)	C	Hexachlorobuta...		0.267	0.262	0.272	0.282	0.279	0.276	0.265	0.272	2.83
35)		Caprolactam		0.070	0.069	0.087	0.092	0.097	0.097	0.101	0.088	14.91
36)	C	4-Chloro-3-met...		0.299	0.291	0.325	0.345	0.347	0.341	0.351	0.328	7.43
37)		2-Methylnaphth...		0.730	0.700	0.753	0.810	0.824	0.814	0.835	0.781	6.75
38)		1-Methylnaphth...		0.684	0.657	0.725	0.762	0.775	0.766	0.785	0.736	6.66

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.731	0.741	0.748	0.788	0.767	0.769	0.722	0.752	3.14
41)	P	Hexachlorocycl...	0.341	0.365	0.393	0.444	0.449	0.458	0.444	0.413	11.32
42)	S	2,4,6-Tribromo...	0.260	0.253	0.287	0.298	0.306	0.308	0.305	0.288	7.87
43)	C	2,4,6-Trichlor...	0.439	0.449	0.467	0.513	0.509	0.506	0.489	0.482	6.29
44)		2,4,5-Trichlor...	0.515	0.526	0.562	0.595	0.597	0.586	0.567	0.564	5.81
45)	S	2-Fluorobiphenyl	1.546	1.539	1.599	1.693	1.699	1.694	1.595	1.624	4.35
46)		1,1'-Biphenyl	1.494	1.496	1.564	1.654	1.672	1.682	1.650	1.602	5.13
47)		2-Chloronaphth...	1.174	1.170	1.223	1.302	1.308	1.303	1.272	1.250	4.86
48)		2-Nitroaniline	0.306	0.321	0.364	0.397	0.397	0.396	0.390	0.367	10.60
49)		Acenaphthylene	1.774	1.781	1.916	2.046	2.068	2.053	2.056	1.956	6.79
50)		Dimethylphthalate	1.425	1.409	1.513	1.592	1.618	1.612	1.608	1.540	5.91
51)		2,6-Dinitrotol...	0.267	0.289	0.317	0.345	0.350	0.349	0.351	0.324	10.51
52)	C	Acenaphthene	1.119	1.103	1.168	1.234	1.243	1.245	1.240	1.193	5.23
53)		3-Nitroaniline	0.258	0.268	0.311	0.347	0.350	0.352	0.369	0.322	13.70
54)	P	2,4-Dinitrophenol		0.165	0.205	0.232	0.240	0.244	0.259	0.224	15.19
55)		Dibenzofuran	1.875	1.880	1.978	2.061	2.092	2.047	2.030	1.995	4.36
56)	P	4-Nitrophenol		0.200	0.257	0.272	0.280	0.283	0.300	0.265	13.20
57)		2,4-Dinitrotol...	0.357	0.371	0.429	0.465	0.484	0.475	0.493	0.439	12.58
58)		Fluorene	1.484	1.470	1.621	1.698	1.712	1.690	1.647	1.617	6.25
59)		2,3,4,6-Tetrac...	0.430	0.427	0.460	0.488	0.480	0.475	0.468	0.461	5.22
60)		Diethylphthalate	1.392	1.362	1.497	1.563	1.589	1.575	1.577	1.508	6.28
61)		4-Chlorophenyl...	0.819	0.823	0.863	0.881	0.880	0.861	0.817	0.849	3.35
62)		4-Nitroaniline	0.248	0.257	0.328	0.353	0.364	0.375	0.391	0.331	17.16
63)		Azobenzene	1.495	1.479	1.644	1.672	1.673	1.637	1.582	1.597	5.09
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.100	0.111	0.121	0.142	0.145	0.145	0.146	0.130	14.70
66)	c	n-Nitrosodiphe...	0.539	0.554	0.577	0.644	0.638	0.628	0.623	0.600	7.14
67)		4-Bromophenyl-...	0.209	0.206	0.213	0.234	0.234	0.232	0.224	0.222	5.53
68)		Hexachlorobenzene	0.230	0.225	0.231	0.249	0.250	0.248	0.243	0.239	4.39
69)		Atrazine	0.184	0.186	0.192	0.217	0.215	0.207	0.203	0.200	6.68
70)	C	Pentachlorophenol	0.147	0.148	0.147	0.186	0.189	0.188	0.188	0.170	12.68
71)		Phenanthrene	1.062	1.041	1.094	1.172	1.172	1.148	1.129	1.117	4.68
72)		Anthracene	1.050	1.040	1.104	1.209	1.205	1.181	1.166	1.136	6.29
73)		Carbazole	0.891	0.898	0.977	1.062	1.071	1.052	1.054	1.001	7.89
74)		Di-n-butylphth...	0.920	0.948	1.067	1.183	1.201	1.193	1.186	1.100	11.13
75)	C	Fluoranthene	1.247	1.233	1.337	1.411	1.426	1.394	1.349	1.342	5.72
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.403	0.478	0.412	0.506	0.430	0.471	0.490	0.456	8.84
78)		Pyrene	1.223	1.394	1.347	1.498	1.454	1.436	1.396	1.393	6.40
79)	S	Terphenyl-d14	0.955	1.061	1.013	1.096	1.056	1.029	0.972	1.026	4.89
80)		Butylbenzylpht...	0.378	0.415	0.452	0.525	0.532	0.525	0.545	0.482	13.78
81)		Benzo(a)anthra...	1.360	1.349	1.430	1.482	1.475	1.448	1.376	1.417	3.90
82)		3,3'-Dichlorob...	0.403	0.431	0.454	0.487	0.480	0.473	0.458	0.455	6.46
83)		Chrysene	1.355	1.360	1.377	1.456	1.437	1.395	1.322	1.386	3.40
84)		Bis(2-ethylhex...	0.544	0.584	0.672	0.760	0.778	0.768	0.780	0.698	14.24
85)	c	Di-n-octyl pht...	1.037	1.131	1.200	1.322	1.346	1.316	1.336	1.241	9.74

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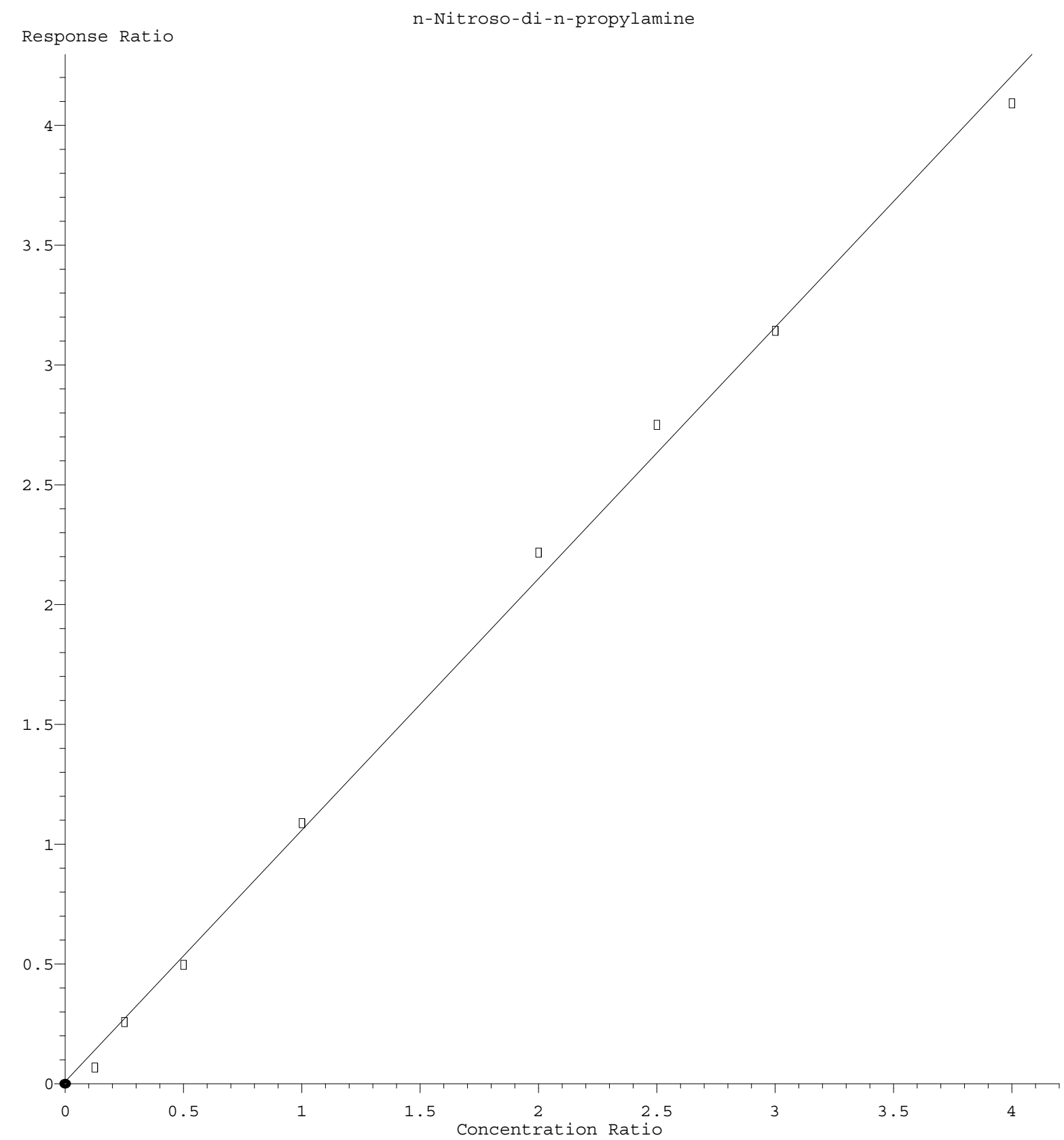
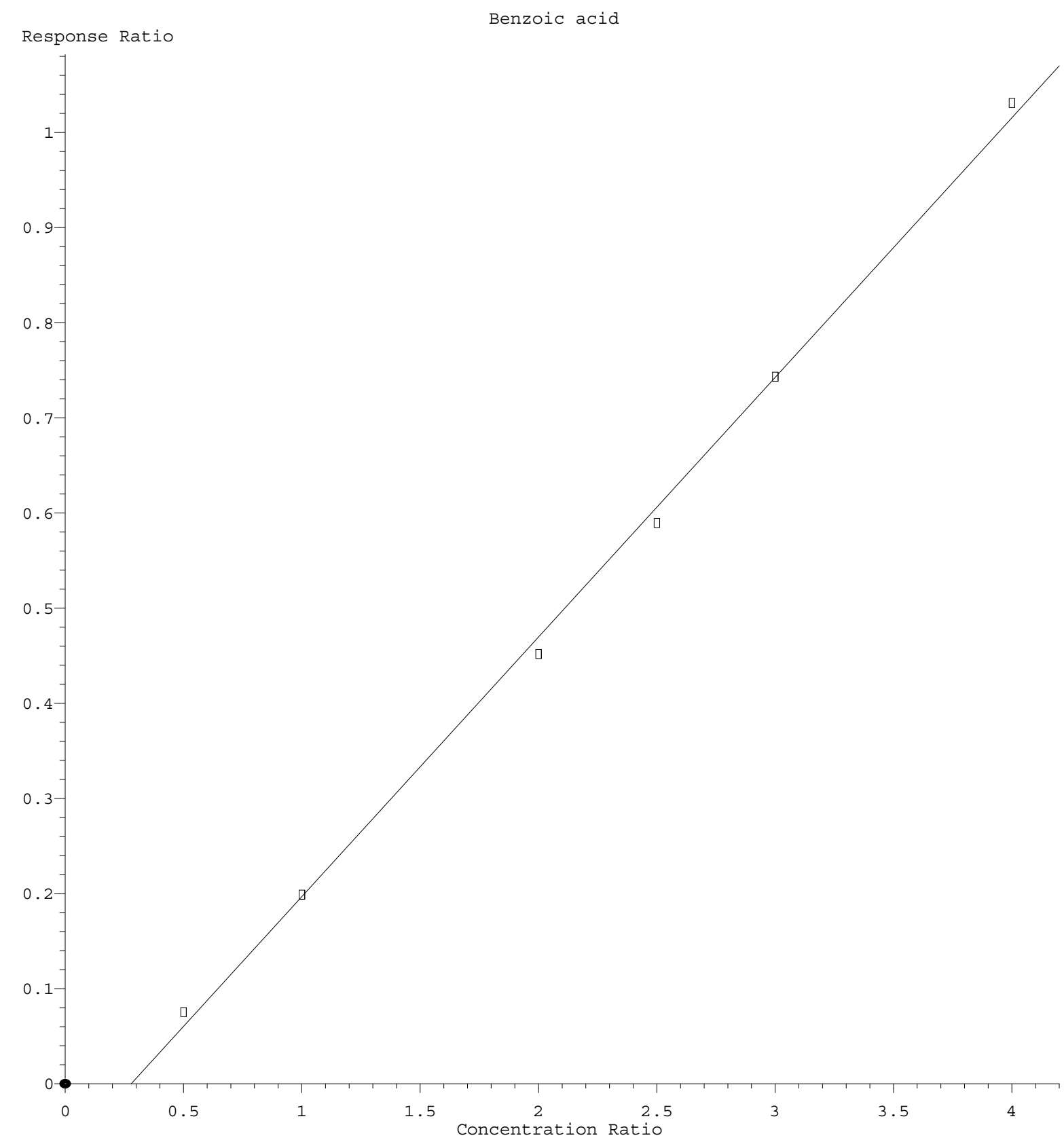
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.470	1.373	1.448	1.553	1.565	1.513	1.438	1.480	4.62
88)		Benzo(b)fluora...	1.075	1.091	1.218	1.288	1.297	1.267	1.209	1.206	7.51
89)		Benzo(k)fluora...	1.160	1.157	1.228	1.337	1.329	1.313	1.215	1.248	6.23
90)	C	Benzo(a)pyrene	1.081	1.087	1.190	1.286	1.280	1.259	1.190	1.196	7.17
91)		Dibenzo(a,h)an...	1.218	1.146	1.203	1.289	1.299	1.268	1.200	1.232	4.52
92)		Benzo(g,h,i)pe...	1.252	1.186	1.234	1.309	1.311	1.297	1.245	1.262	3.65

(#) = Out of Range



Response = 1.050e+000 * Amt + 9.077e-003
Coef of Det (r^2) = 0.997029 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM012023.M
Calibration Table Last Updated: Sat Jan 21 01:21:49 2023



Response = 2.728e-001 * Amt - 7.624e-002
Coef of Det (r^2) = 0.998285 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM012023.M
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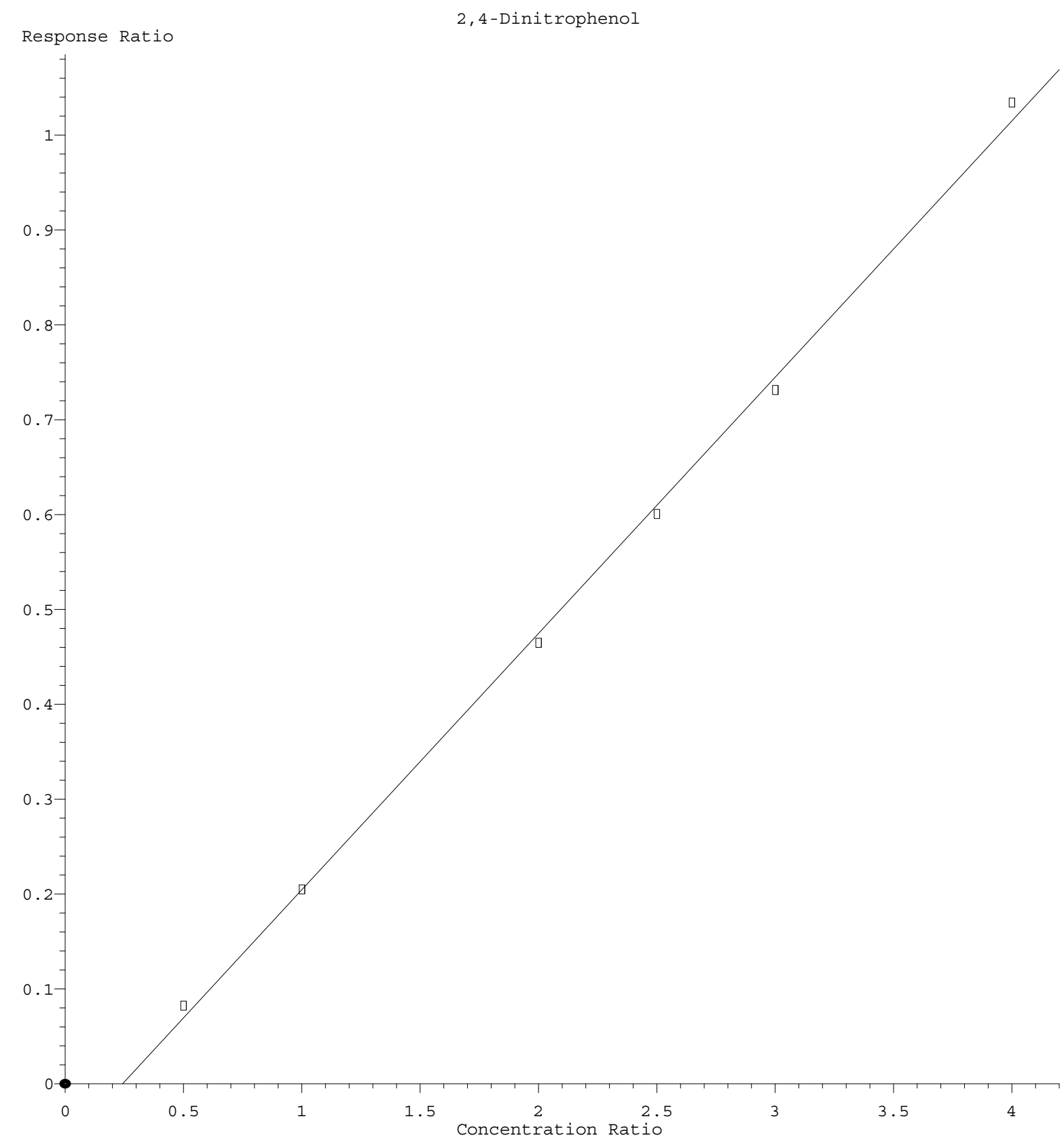
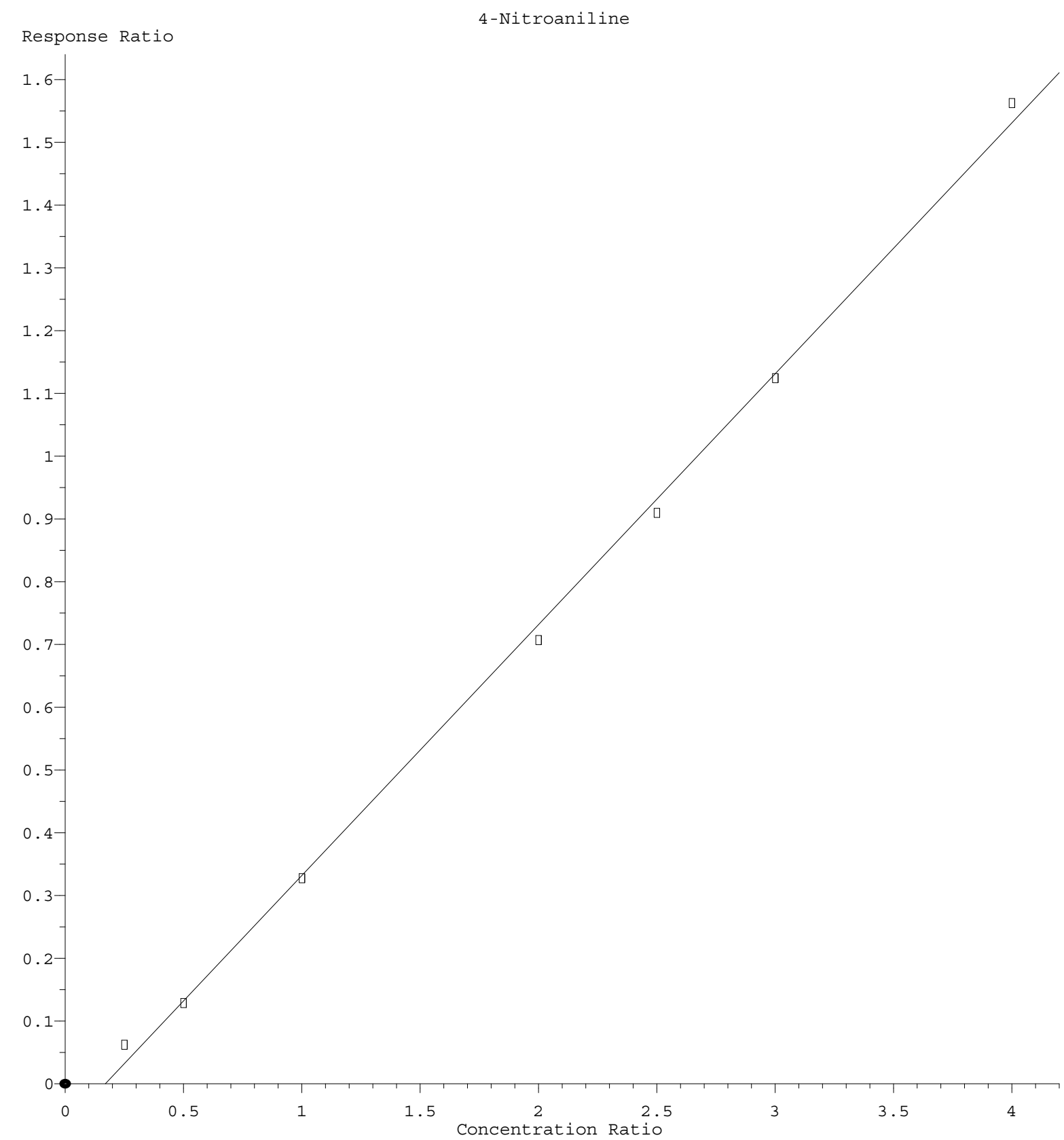


Response = 2.702e-001 * Amt - 6.580e-002
Coef of Det (r^2) = 0.998522 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM012023.M
Calibration Table Last Updated: Sat Jan 21 01:21:49 2023



Response = 3.999e-001 * Amt - 6.813e-002
Coef of Det (r^2) = 0.998337 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM012023.M
Calibration Table Last Updated: Sat Jan 21 01:21:49 2023