Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 27 03:27:54 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP013592.D 5 =BP013593.D 10 =BP013594.D 20 =BP013595.D 40 =BP013596.D 50 =BP013597.D 60 =BP013598.D 80 =BP0135
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.532	0.506	0.499	0.504	0.481	0.469	0.454	0.492	5.31
3)		Pyridine		1.451	1.412	1.407	1.459	1.377	1.360	1.325	1.399	3.44
4)		n-Nitrosodimet...		0.573	0.533	0.542	0.569	0.550	0.536	0.523	0.547	3.44
5)	S	2-Fluorophenol		1.224	1.154	1.150	1.151	1.080	1.057	0.997	1.116	6.79
6)		Aniline		2.081	2.027	2.056	2.094	1.961	1.929	1.839	1.998	4.64
7)	S	Phenol-d6		1.660	1.563	1.563	1.559	1.457	1.418	1.334	1.508	7.31
8)		2-Chlorophenol		1.248	1.226	1.233	1.237	1.151	1.130	1.068	1.185	5.82
9)		Benzaldehyde		1.205	1.120	1.039	0.929	0.802	0.738		0.972	18.76
10)	C	Phenol		1.695	1.609	1.634	1.645	1.539	1.512	1.421	1.579	5.95
11)		bis(2-Chloroet...		1.363	1.358	1.363	1.377	1.283	1.244	1.167	1.308	6.06
12)		1,3-Dichlorobe...		1.490	1.391	1.418	1.424	1.326	1.295	1.229	1.368	6.51
13)	C	1,4-Dichlorobe...		1.515	1.425	1.441	1.431	1.344	1.311	1.241	1.387	6.67
14)		1,2-Dichlorobe...		1.432	1.344	1.372	1.358	1.257	1.231	1.147	1.306	7.50
15)		Benzyl Alcohol		1.172	1.148	1.200	1.236	1.178	1.160	1.101	1.171	3.60
16)		2,2'-oxybis(1-...		1.628	1.522	1.525	1.515	1.428	1.397	1.303	1.474	7.19
17)		2-Methylphenol		1.197	1.181	1.190	1.189	1.121	1.087	1.015	1.140	6.06
18)		Hexachloroethane		0.531	0.510	0.503	0.514	0.487	0.480	0.452	0.497	5.27
19)	P	n-Nitroso-di-n...	0.922	1.028	1.010	1.056	1.040	0.974	0.948	0.862	0.980	6.78
20)		3+4-Methylphenols		1.617	1.603	1.632	1.631	1.554	1.502	1.393	1.562	5.64
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.545	0.530	0.536	0.510	0.492	0.474	0.447	0.505	7.08
23)	S	Nitrobenzene-d5		0.340	0.343	0.369	0.384	0.382	0.370	0.359	0.364	4.72
24)		Nitrobenzene		0.357	0.359	0.391	0.399	0.400	0.387	0.374	0.381	4.65
25)		Isophorone		0.801	0.808	0.830	0.821	0.808	0.777	0.737	0.797	3.92
26)	C	2-Nitrophenol		0.147	0.145	0.162	0.173	0.175	0.172	0.171	0.164	7.84
27)		2,4-Dimethylph...		0.315	0.299	0.314	0.308	0.308	0.295	0.281	0.303	4.07
28)		bis(2-Chloroet...		0.470	0.451	0.472	0.468	0.459	0.441	0.415	0.454	4.51
29)	C	2,4-Dichloroph...		0.338	0.331	0.349	0.355	0.349	0.339	0.327	0.341	3.01
30)		1,2,4-Trichlor...		0.386	0.370	0.385	0.390	0.382	0.371	0.361	0.378	2.78
31)		Naphthalene		1.093	1.046	1.048	1.019	1.012	0.969	0.928	1.016	5.37
32)		Benzoic acid			0.173	0.214	0.227	0.239	0.234	0.238	0.221	11.49
33)		4-Chloroaniline		0.446	0.436	0.457	0.453	0.449	0.434	0.414	0.441	3.30
34)	C	Hexachlorobuta...		0.258	0.247	0.256	0.261	0.260	0.250	0.246	0.254	2.41
35)		Caprolactam		0.086	0.093	0.098	0.102	0.106	0.102	0.098	0.098	6.94
36)	C	4-Chloro-3-met...		0.364	0.364	0.374	0.372	0.369	0.355	0.333	0.361	3.91
37)		2-Methylnaphth...		0.820	0.812	0.811	0.791	0.767	0.742	0.693	0.777	5.94
38)		1-Methylnaphth...		0.784	0.762	0.758	0.735	0.719	0.688	0.642	0.727	6.70

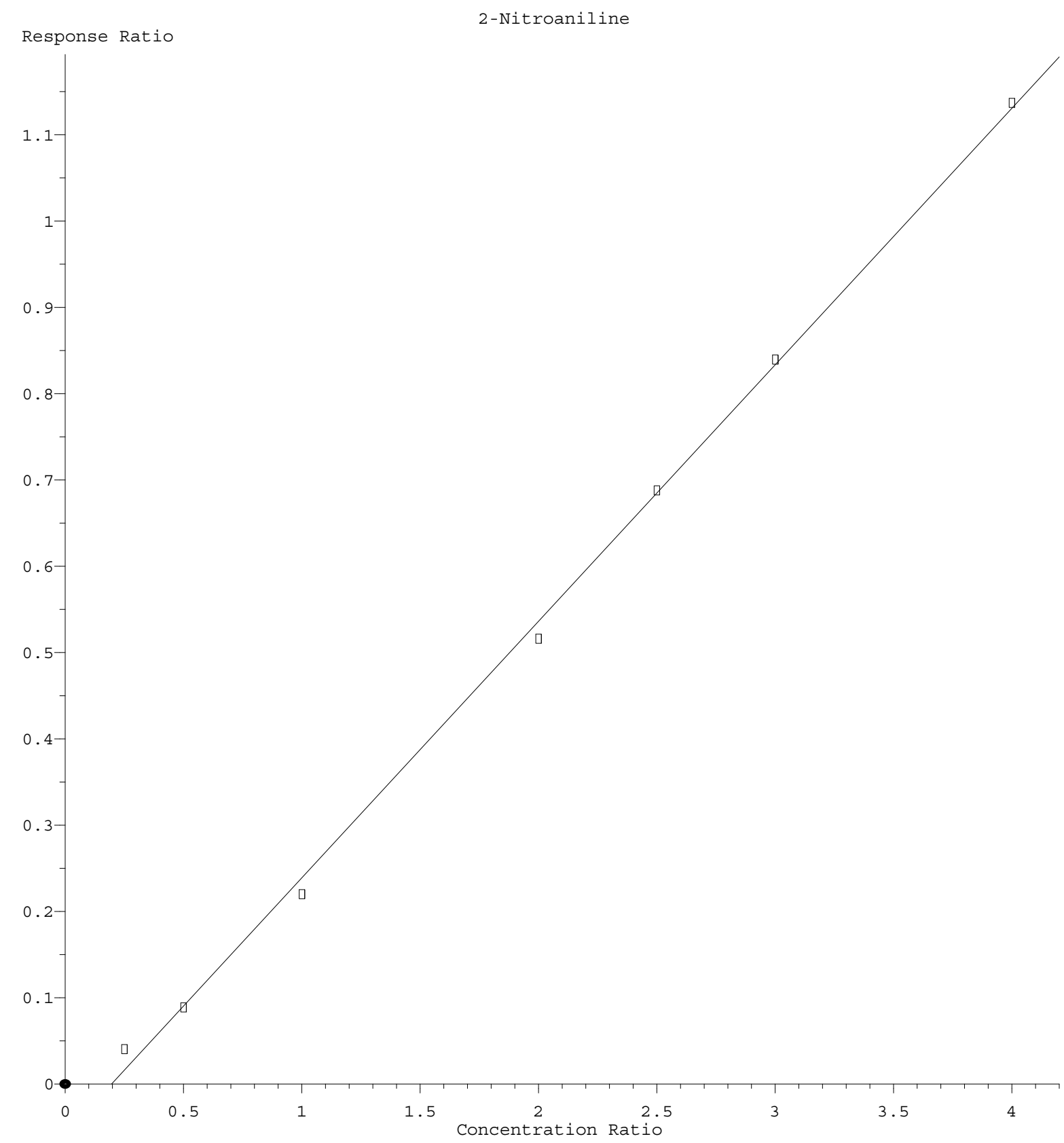
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012623.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.701	0.671	0.706	0.715	0.706	0.693	0.685	0.697	2.12
41)	P	Hexachlorocycl...	0.306	0.300	0.338	0.382	0.395	0.392	0.406	0.360	12.41
42)	S	2,4,6-Tribromo...	0.289	0.292	0.307	0.315	0.319	0.313	0.297	0.304	3.94
43)	C	2,4,6-Trichlor...	0.449	0.447	0.467	0.483	0.487	0.469	0.461	0.466	3.30
44)		2,4,5-Trichlor...	0.526	0.515	0.555	0.564	0.571	0.551	0.534	0.545	3.80
45)	S	2-Fluorobiphenyl	1.554	1.466	1.456	1.402	1.369	1.306	1.250	1.400	7.37
46)		1,1'-Biphenyl	1.616	1.535	1.535	1.506	1.460	1.418	1.362	1.490	5.66
47)		2-Chloronaphth...	1.211	1.171	1.165	1.140	1.125	1.097	1.053	1.137	4.57
48)		2-Nitroaniline	0.162	0.177	0.220	0.258	0.275	0.280	0.284	0.237	21.47
49)		Acenaphthylene	1.976	1.931	1.944	1.893	1.872	1.797	1.718	1.876	4.81
50)		Dimethylphthalate	1.573	1.559	1.622	1.602	1.578	1.513	1.427	1.553	4.23
51)		2,6-Dinitrotol...	0.211	0.249	0.295	0.319	0.327	0.319	0.309	0.290	15.07
52)	C	Acenaphthene	1.233	1.206	1.233	1.225	1.212	1.176	1.119	1.201	3.42
53)		3-Nitroaniline	0.215	0.252	0.290	0.317	0.321	0.319	0.303	0.288	13.92
54)	P	2,4-Dinitrophenol		0.143	0.170	0.203	0.208	0.213	0.208	0.191	14.71
55)		Dibenzofuran	1.999	1.959	1.953	1.902	1.863	1.785	1.703	1.880	5.61
56)	P	4-Nitrophenol	0.194	0.233	0.262	0.278	0.280	0.272	0.254	0.253	12.13
57)		2,4-Dinitrotol...	0.268	0.321	0.385	0.433	0.437	0.434	0.412	0.384	17.17
58)		Fluorene	1.613	1.563	1.517	1.425	1.381	1.327	1.241	1.438	9.29
59)		2,3,4,6-Tetrac...	0.457	0.467	0.480	0.491	0.489	0.473	0.449	0.472	3.31
60)		Diethylphthalate	1.314	1.347	1.453	1.497	1.497	1.457	1.365	1.419	5.31
61)		4-Chlorophenyl...	0.865	0.841	0.844	0.817	0.803	0.784	0.729	0.812	5.61
62)		4-Nitroaniline	0.208	0.252	0.280	0.302	0.308	0.308	0.285	0.277	13.17
63)		Azobenzene	1.508	1.524	1.522	1.460	1.435	1.377	1.293	1.446	5.94
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.084	0.100	0.112	0.116	0.116	0.117	0.108	12.38
66)	c	n-Nitrosodiphe...	0.597	0.563	0.570	0.548	0.543	0.518	0.519	0.551	5.15
67)		4-Bromophenyl-...	0.239	0.225	0.232	0.232	0.233	0.226	0.228	0.231	2.08
68)		Hexachlorobenzene	0.256	0.242	0.254	0.257	0.257	0.249	0.249	0.252	2.17
69)		Atrazine	0.143	0.153	0.170	0.184	0.182	0.178	0.168	0.168	9.10
70)	C	Pentachlorophenol	0.184	0.189	0.198	0.203	0.204	0.199	0.193	0.196	3.71
71)		Phenanthrene	1.118	1.054	1.063	1.037	1.008	0.972	0.929	1.026	6.09
72)		Anthracene	1.111	1.085	1.079	1.048	1.021	0.977	0.933	1.036	6.15
73)		Carbazole	0.983	0.987	0.980	0.938	0.900	0.878	0.798	0.924	7.58
74)		Di-n-butylphth...	0.492	0.564	0.667	0.810	0.873	0.894	0.859	0.737	22.04
75)	C	Fluoranthene	1.274	1.402	1.365	1.333	1.269	1.235	1.078	1.279	8.32
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.188	0.174	0.184	0.218	0.210	0.235	0.258	0.210	14.43
78)		Pyrene	1.737	1.408	1.557	1.527	1.595	1.529	1.482	1.548	6.60
79)	S	Terphenyl-d14	1.274	1.065	1.152	1.111	1.163	1.108	1.061	1.133	6.44
80)		Butylbenzylpht...	0.135	0.132	0.150	0.181	0.208	0.226	0.229	0.180	23.24
81)		Benzo(a)anthra...	1.412	1.395	1.431	1.436	1.438	1.398	1.349	1.408	2.25
82)		3,3'-Dichlorob...		0.209	0.262	0.338	0.350	0.366	0.382	0.318	21.19
83)		Chrysene	1.350	1.307	1.341	1.349	1.338	1.308	1.270	1.323	2.22
84)		Bis(2-ethylhex...	0.184	0.210	0.228	0.300	0.335	0.373	0.379	0.287	27.85
85)	c	Di-n-octyl pht...		0.350	0.359	0.491	0.533	0.609	0.704	0.508	27.41

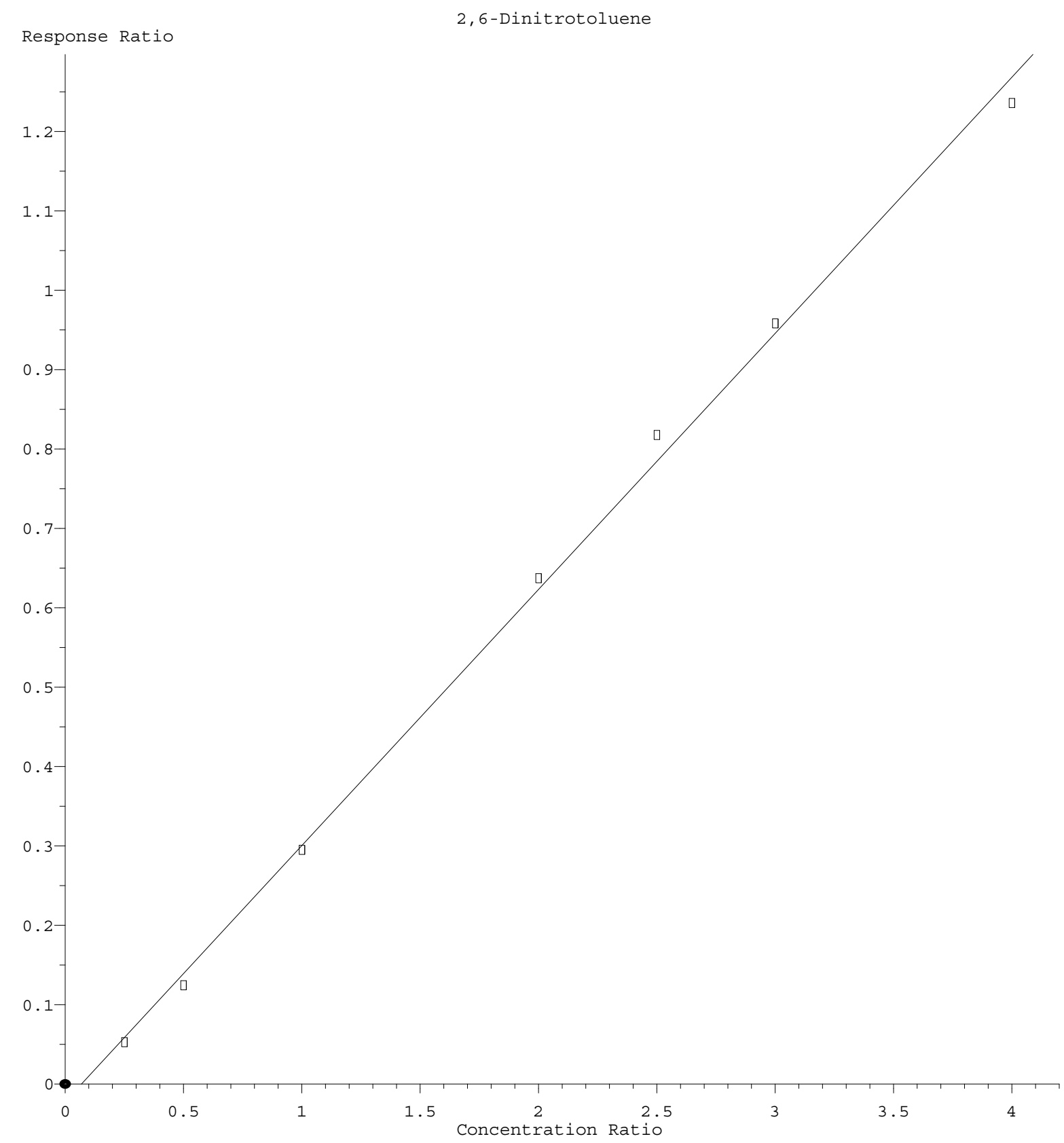
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012623.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.452	1.268	1.299	1.378	1.473	1.424	1.549	1.406	7.03
88)		Benzo(b)fluora...	1.244	1.263	1.327	1.353	1.312	1.323	1.167	1.284	4.99
89)		Benzo(k)fluora...	1.215	1.246	1.340	1.339	1.339	1.267	1.175	1.275	5.26
90)	C	Benzo(a)pyrene	1.183	1.175	1.223	1.248	1.246	1.216	1.169	1.209	2.75
91)		Dibenzo(a,h)an...	1.222	1.062	1.086	1.149	1.223	1.176	1.272	1.170	6.55
92)		Benzo(g,h,i)pe...	1.203	1.007	1.040	1.125	1.223	1.177	1.289	1.152	8.77

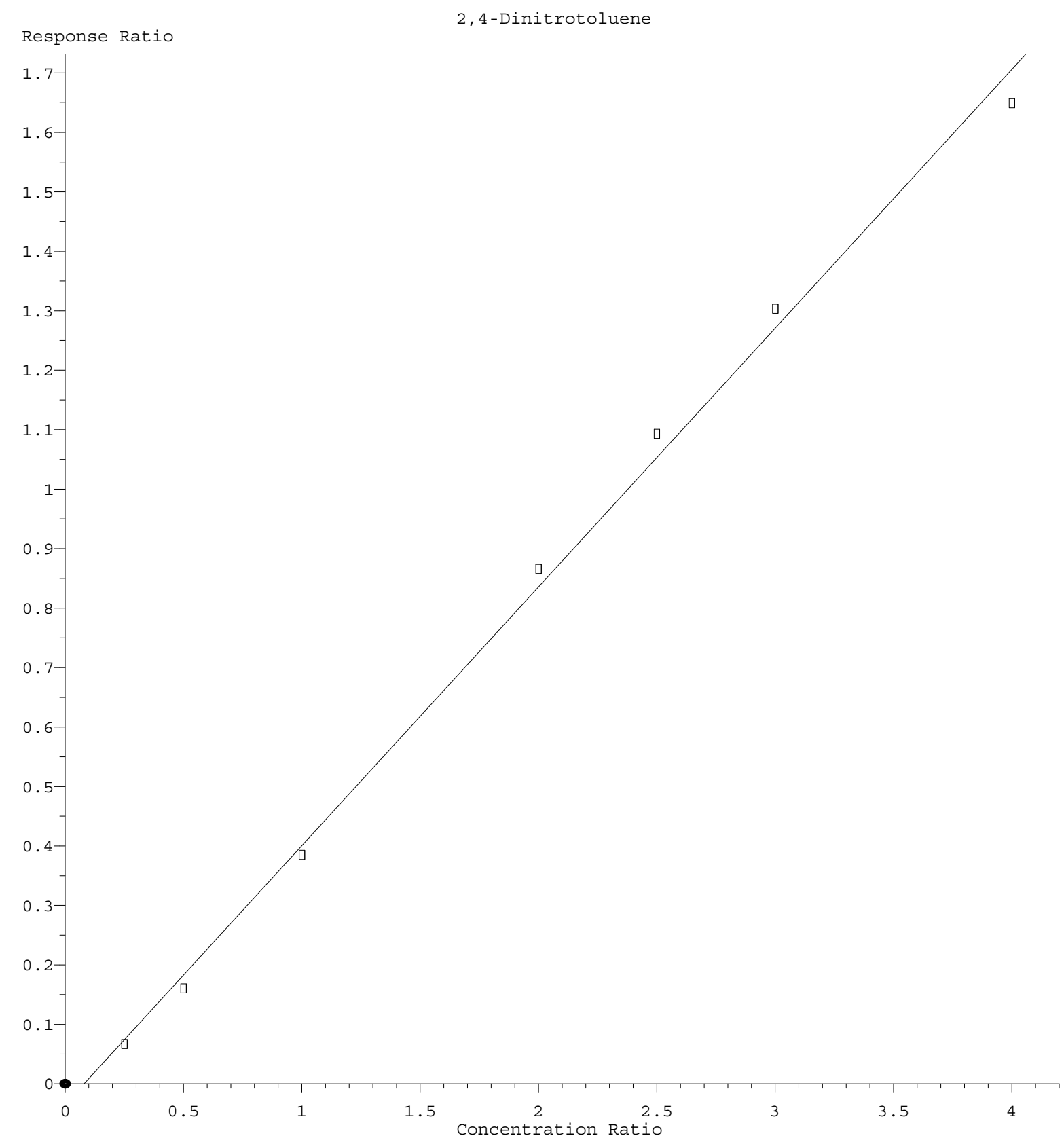
(#) = Out of Range



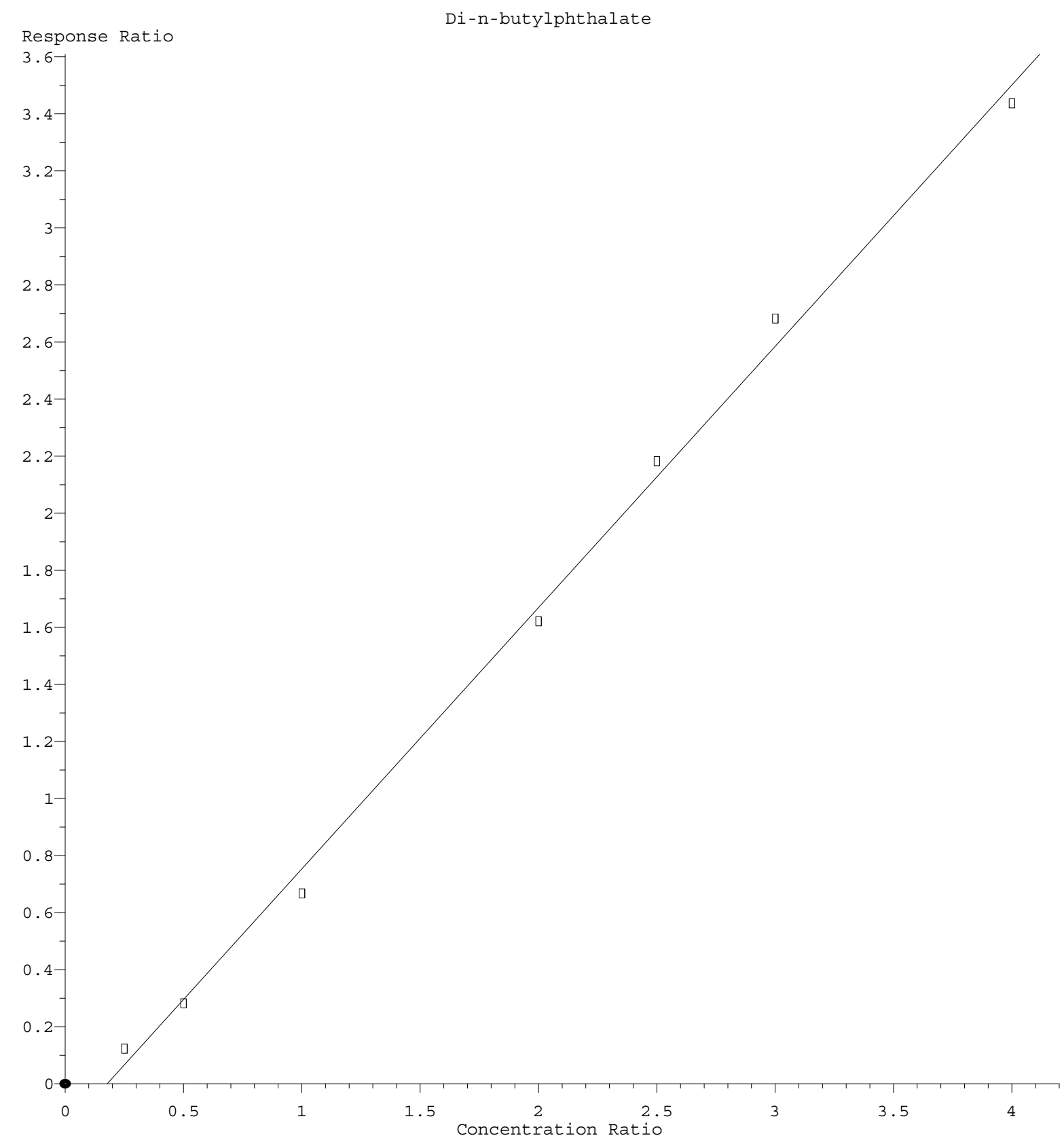
Response = 2.971e-001 * Amt - 5.823e-002
Coef of Det (r^2) = 0.998571 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Fri Jan 27 03:27:54 2023



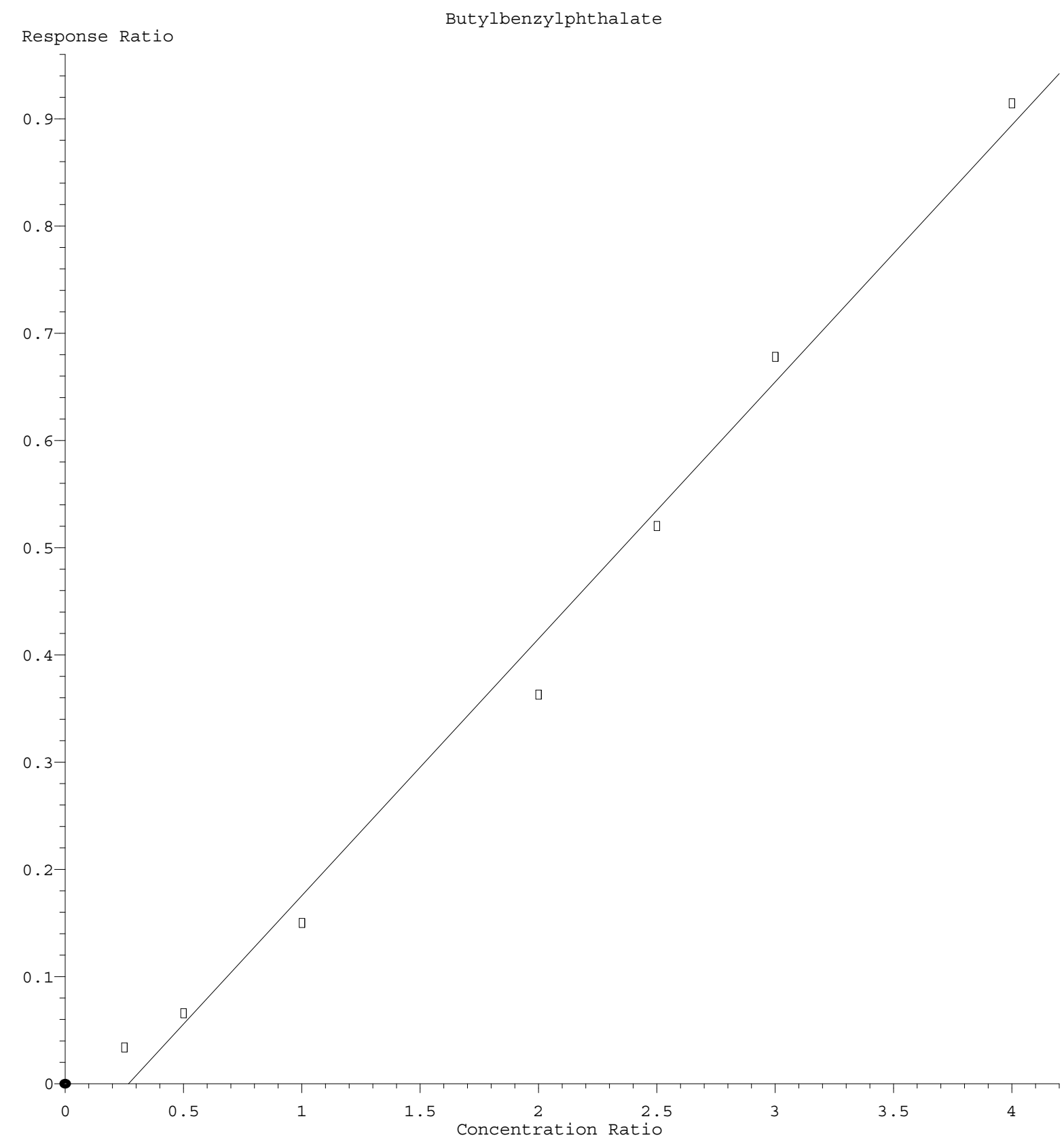
Response = 3.228e-001 * Amt - 2.227e-002
Coef of Det (r^2) = 0.997663 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Fri Jan 27 03:27:54 2023



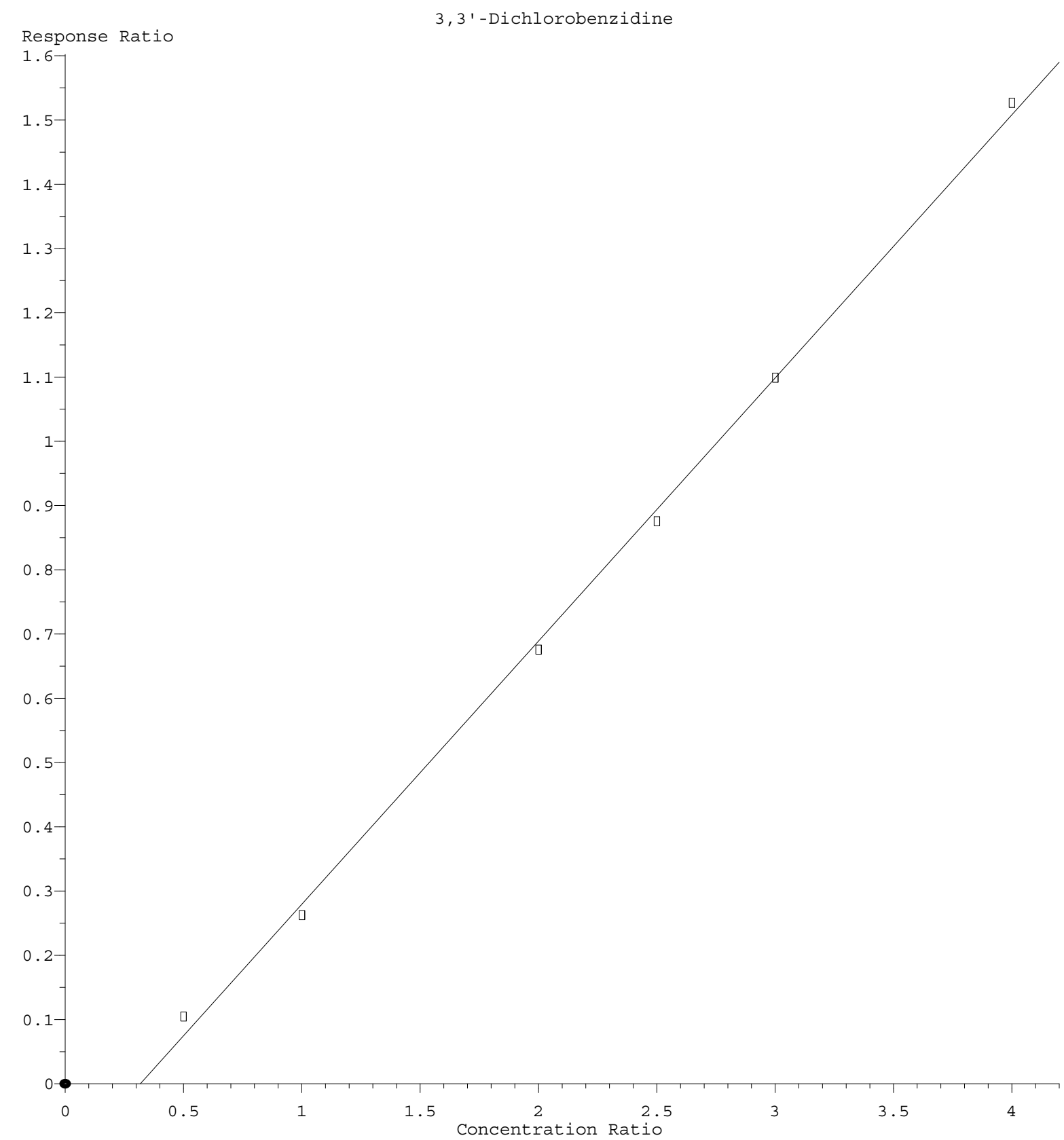
Response = 4.352e-001 * Amt - 3.475e-002
Coef of Det (r^2) = 0.996517 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Fri Jan 27 03:27:54 2023



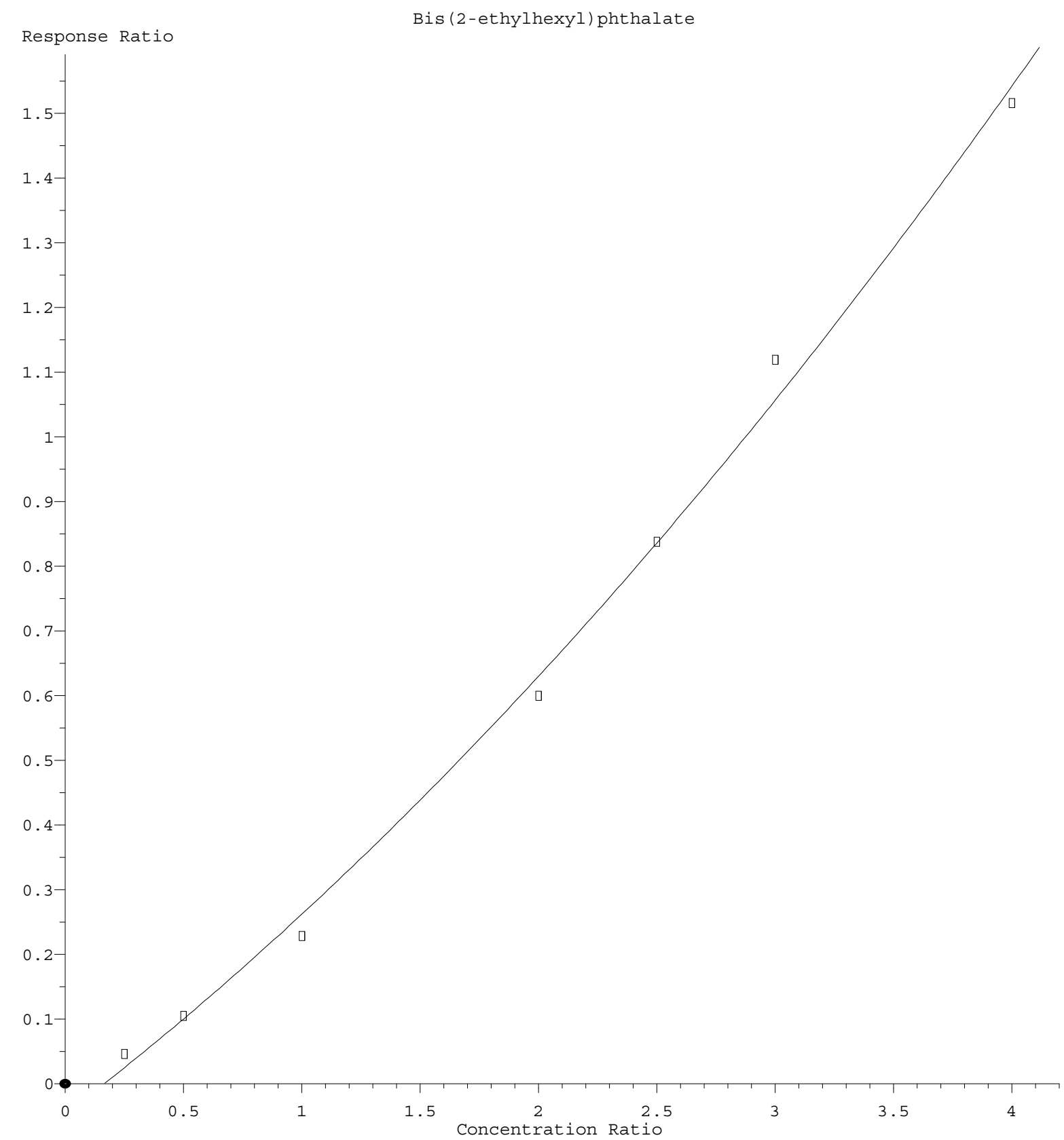
Response = 9.161e-001 * Amt - 1.635e-001
Coef of Det (r^2) = 0.996928 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Fri Jan 27 03:27:54 2023



Response = 2.396e-001 * Amt - 6.422e-002
Coef of Det (r^2) = 0.990857 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Fri Jan 27 03:27:54 2023



Response = 4.096e-001 * Amt - 1.301e-001
Coef of Det (r^2) = 0.998537 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Fri Jan 27 03:27:54 2023



R = 2.940e-002 A*A + 2.797e-001 A - 4.704e-002
Coef of Det (r^2) = 0.996145 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012623.M
Calibration Table Last Updated: Tue Jan 31 04:38:43 2023