Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM052323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed May 24 01:06:13 2023
Response Via : Initial Calibration

Calibration Files
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72.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.621	0.587	0.554	0.541	0.481	0.463	0.439	0.527	12.85
3)		Pyridine		1.397	1.458	1.540	1.574	1.428	1.402	1.319	1.446	6.07
4)		n-Nitrosodimet...		0.703	0.642	0.648	0.641	0.583	0.561	0.521	0.614	10.12
5)	S	2-Fluorophenol		1.370	1.325	1.376	1.370	1.261	1.249	1.176	1.304	5.91
6)		Aniline		2.111	2.055	2.171	2.235	2.088	2.116	1.956	2.105	4.18
7)	S	Phenol-d6		1.752	1.692	1.798	1.798	1.672	1.662	1.531	1.701	5.52
8)		2-Chlorophenol		1.365	1.311	1.414	1.431	1.345	1.406	1.334	1.372	3.31
9)		Benzaldehyde			1.039	0.919	0.782	0.703	0.669		0.822	18.81
10)	C	Phenol		1.776	1.696	1.784	1.784	1.665	1.675	1.554	1.705	4.95
11)		bis(2-Chloroet...		1.522	1.424	1.434	1.451	1.353	1.367	1.279	1.404	5.60
12)		1,3-Dichlorobe...		1.530	1.465	1.504	1.491	1.385	1.431	1.369	1.453	4.19
13)	C	1,4-Dichlorobe...		1.551	1.484	1.511	1.517	1.414	1.470	1.404	1.479	3.66
14)		1,2-Dichlorobe...		1.520	1.436	1.486	1.488	1.393	1.454	1.373	1.450	3.68
15)		Benzyl Alcohol		1.005	1.004	1.111	1.179	1.140	1.170	1.066	1.096	6.66
16)		2,2'-oxybis(1-...		1.978	1.838	1.862	1.875	1.744	1.749	1.564	1.801	7.31
17)		2-Methylphenol		1.184	1.163	1.260	1.295	1.229	1.260	1.146	1.220	4.60
18)		Hexachloroethane		0.544	0.526	0.544	0.556	0.534	0.541	0.508	0.536	2.92
19)	P	n-Nitroso-di-n...	0.846	0.940	0.935	1.010	1.109	1.061	1.049	0.932	0.985	8.77
20)		3+4-Methylphenols		1.517	1.519	1.633	1.713	1.651	1.693	1.542	1.610	5.15
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.534	0.525	0.554	0.577	0.532	0.546	0.511	0.540	3.96
23)	S	Nitrobenzene-d5		0.328	0.340	0.383	0.404	0.381	0.388	0.371	0.371	7.32
24)		Nitrobenzene		0.355	0.358	0.386	0.402	0.381	0.383	0.366	0.376	4.51
25)		Isophorone		0.602	0.615	0.672	0.745	0.715	0.704	0.678	0.676	7.73
26)	C	2-Nitrophenol		0.101	0.112	0.134	0.157	0.160			0.133	19.87
27)		2,4-Dimethylph...		0.271	0.280	0.300	0.325	0.313	0.320	0.311	0.303	6.76
28)		bis(2-Chloroet...		0.439	0.427	0.443	0.470	0.444	0.449	0.430	0.443	3.23
29)	C	2,4-Dichloroph...		0.251	0.252	0.284	0.304	0.298	0.311	0.310	0.287	9.07
30)		1,2,4-Trichlor...		0.301	0.297	0.313	0.324	0.309	0.327	0.329	0.314	4.06
31)		Naphthalene		1.109	1.058	1.122	1.158	1.086	1.116	1.075	1.104	3.01
32)		Benzoic acid			0.102	0.138	0.188	0.201	0.213	0.224	0.177	26.86
33)		4-Chloroaniline		0.440	0.426	0.458	0.493	0.483	0.483	0.472	0.465	5.35
34)	C	Hexachlorobuta...		0.169	0.165	0.173	0.180	0.175	0.187	0.187	0.176	4.91
35)		Caprolactam			0.057	0.071	0.088	0.094	0.087	0.090	0.081	17.67
36)	C	4-Chloro-3-met...		0.261	0.266	0.291	0.323	0.320	0.310	0.306	0.297	8.38
37)		2-Methylnaphth...		0.703	0.685	0.736	0.775	0.751	0.755	0.744	0.736	4.26
38)		1-Methylnaphth...		0.652	0.636	0.684	0.729	0.700	0.712	0.706	0.689	4.85

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.597	0.566	0.626	0.649	0.611	0.692	0.686	0.633	7.33
41)	P	Hexachlorocycl...	0.250	0.258	0.307	0.347	0.332	0.394	0.401	0.327	18.27
42)	S	2,4,6-Tribromo...		0.188	0.224	0.277	0.300	0.310		0.260	20.00
43)	C	2,4,6-Trichlor...	0.314	0.324	0.377	0.416	0.391	0.429	0.435	0.384	12.68
44)		2,4,5-Trichlor...	0.391	0.390	0.444	0.487	0.470	0.506	0.511	0.457	11.07
45)	S	2-Fluorobiphenyl	1.572	1.552	1.709	1.825	1.688	1.811	1.713	1.696	6.22
46)		1,1'-Biphenyl	1.624	1.608	1.735	1.822	1.677	1.783	1.737	1.712	4.65
47)		2-Chloronaphth...	1.197	1.184	1.294	1.348	1.258	1.355	1.311	1.278	5.33
48)		2-Nitroaniline	0.209	0.235	0.303	0.358	0.352	0.349	0.349	0.308	20.06
49)		Acenaphthylene	1.771	1.797	2.034	2.146	2.048	2.133	2.078	2.001	7.69
50)		Dimethylphthalate	1.373	1.372	1.489	1.615	1.551	1.566	1.587	1.508	6.64
51)		2,6-Dinitrotol...	0.215	0.239	0.284	0.317	0.314	0.319	0.330	0.288	15.44
52)	C	Acenaphthene	1.195	1.188	1.298	1.385	1.328	1.387	1.372	1.307	6.53
53)		3-Nitroaniline	0.244	0.276	0.334	0.384	0.379	0.381	0.391	0.341	17.38
54)	P	2,4-Dinitrophenol		0.077	0.103	0.133	0.146	0.151	0.166	0.129	25.81
55)		Dibenzofuran	1.857	1.790	1.943	2.031	1.933	1.987	1.970	1.930	4.24
56)	P	4-Nitrophenol	0.188	0.206	0.259	0.296	0.300	0.294	0.305	0.264	18.30
57)		2,4-Dinitrotol...	0.244	0.272	0.349	0.401	0.415	0.415	0.437	0.362	21.08
58)		Fluorene	1.421	1.417	1.598	1.738	1.697	1.693	1.668	1.604	8.34
59)		2,3,4,6-Tetrac...	0.291	0.286	0.321	0.362	0.363	0.370	0.386	0.340	11.86
60)		Diethylphthalate	1.292	1.303	1.467	1.616	1.594	1.565	1.594	1.490	9.41
61)		4-Chlorophenyl...	0.676	0.661	0.749	0.849	0.835	0.859	0.866	0.785	11.31
62)		4-Nitroaniline	0.237	0.279	0.355	0.411	0.411	0.393	0.402	0.355	19.69
63)		Azobenzene	1.335	1.379	1.565	1.673	1.536	1.485	1.428	1.486	7.84
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.059	0.079	0.099	0.104	0.116	0.122	0.096	24.74
66)	c	n-Nitrosodiphe...	0.584	0.597	0.681	0.733	0.697	0.771	0.752	0.688	10.63
67)		4-Bromophenyl-...	0.184	0.187	0.210	0.231	0.223	0.253	0.259	0.221	13.37
68)		Hexachlorobenzene	0.226	0.219	0.242	0.261	0.251	0.280	0.288	0.253	10.22
69)		Atrazine	0.130	0.142	0.169	0.190	0.182	0.193	0.191	0.171	14.74
70)	C	Pentachlorophenol		0.118	0.145	0.172	0.173	0.189	0.199	0.166	17.90
71)		Phenanthrene	1.110	1.076	1.186	1.242	1.193	1.287	1.280	1.196	6.76
72)		Anthracene	0.972	1.000	1.163	1.263	1.245	1.332	1.321	1.185	12.42
73)		Carbazole	0.911	0.924	1.051	1.156	1.120	1.158	1.175	1.071	10.49
74)		Di-n-butylphth...	0.775	0.891	1.138	1.345	1.356	1.397	1.422	1.189	22.05
75)	C	Fluoranthene	0.969	0.973	1.135	1.262	1.291	1.312	1.404	1.192	14.33
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.305	0.335	0.349	0.326	0.297	0.288	0.273	0.311	8.81
78)		Pyrene	1.311	1.326	1.489	1.544	1.420	1.613	1.569	1.468	8.09
79)	S	Terphenyl-d14	1.083	1.122	1.332	1.524	1.369	1.458	1.130	1.288	13.74
80)		Butylbenzylpht...	0.280	0.343	0.465	0.576	0.576	0.640	0.635	0.502	28.58
81)		Benzo(a)anthra...	1.237	1.256	1.377	1.485	1.461	1.553	1.542	1.416	9.14
82)		3,3'-Dichlorob...		0.292	0.373	0.443	0.460	0.477	0.492	0.423	18.03
83)		Chrysene	1.204	1.201	1.329	1.451	1.384	1.468	1.472	1.358	8.71
84)		Bis(2-ethylhex...	0.441	0.563	0.794	0.978	0.954	1.020	0.970	0.817	28.08
85)	c	Di-n-octyl pht...		0.781	1.091	1.403	1.448	1.544	1.581	1.308	23.78

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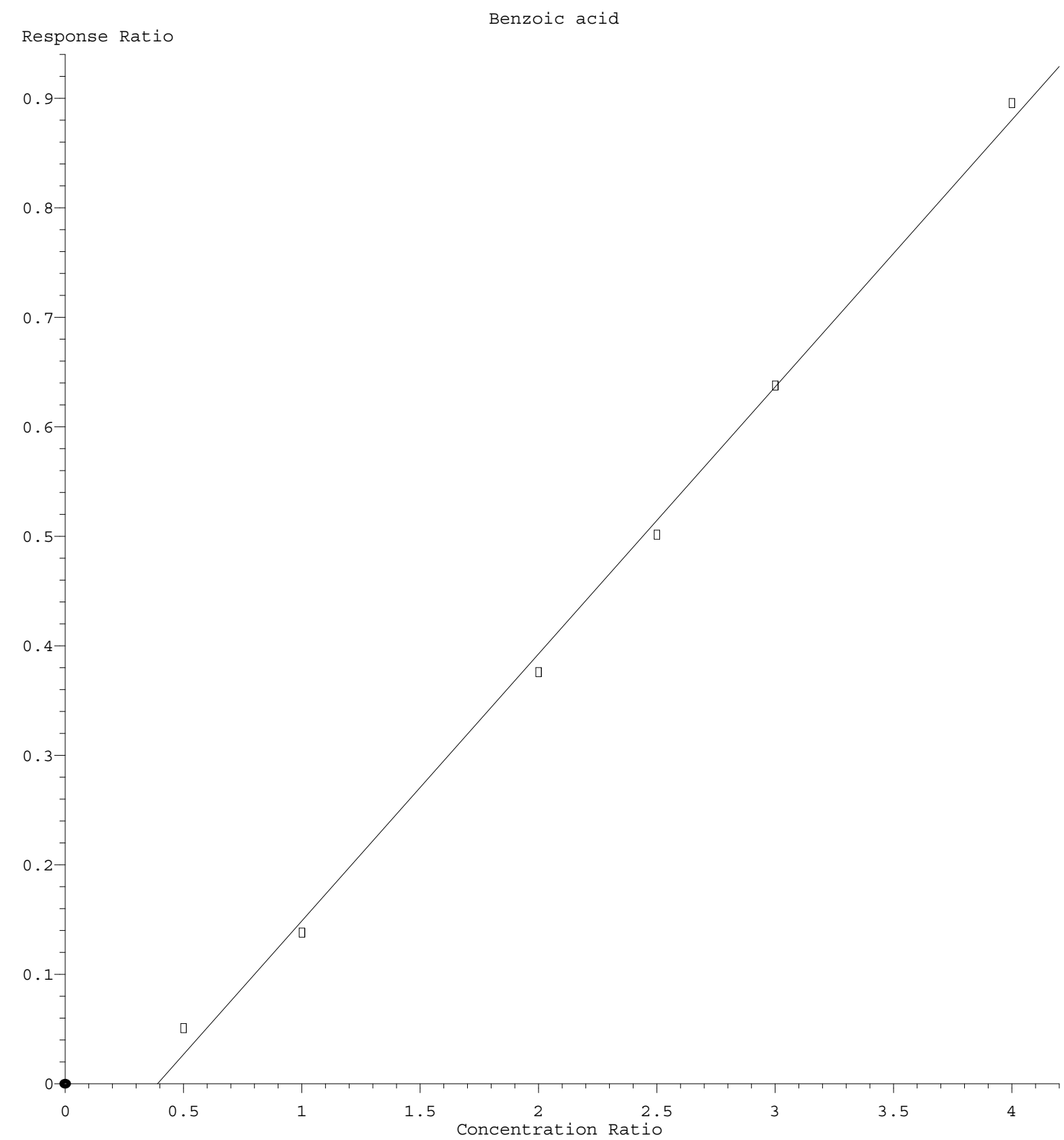
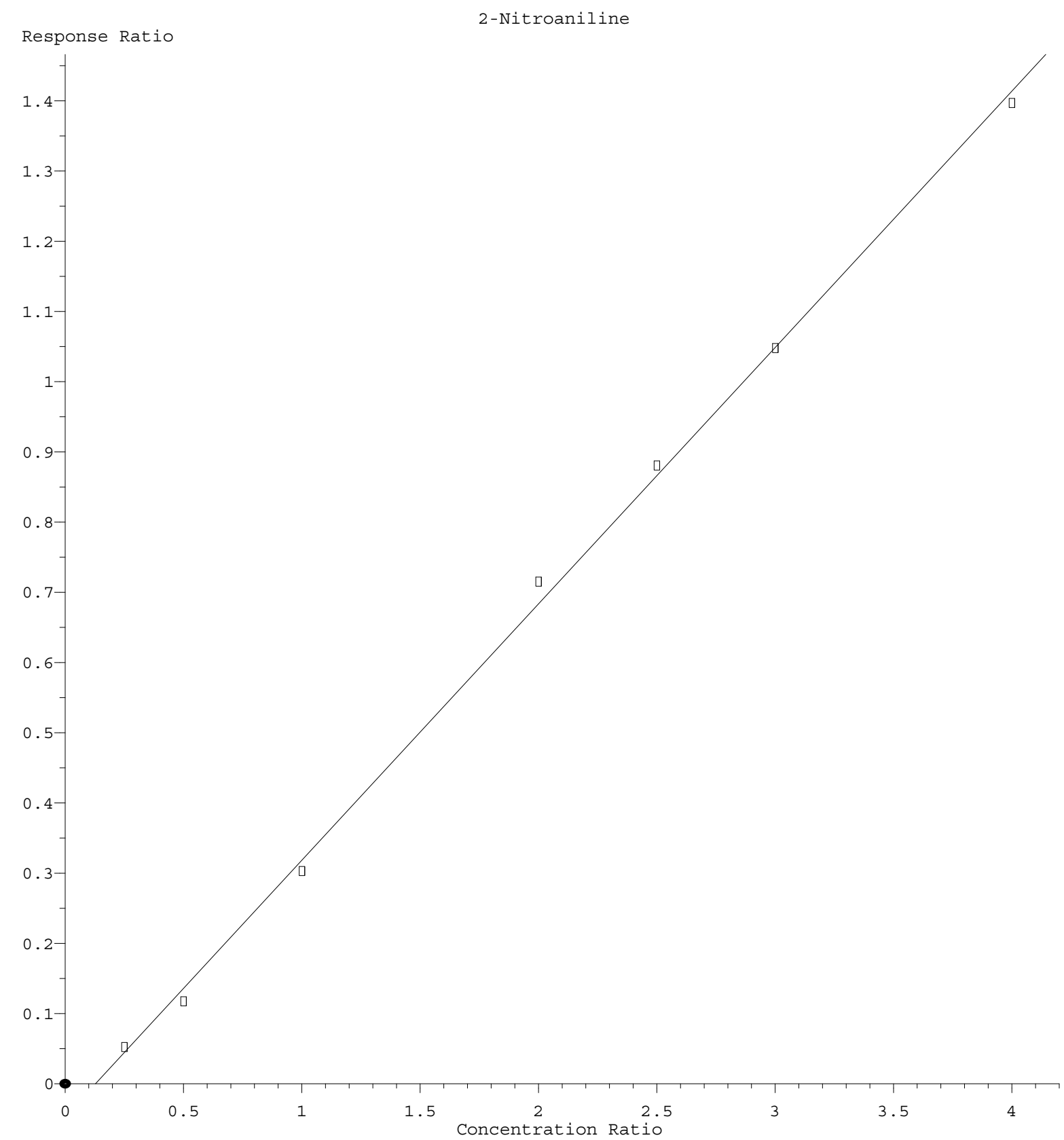
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.265	1.296	1.517	1.665	1.695	1.797	1.898	1.590	15.24
88)		Benzo(b)fluora...	1.031	1.041	1.237	1.357	1.360	1.453	1.486	1.280	14.46
89)		Benzo(k)fluora...	1.128	1.163	1.375	1.482	1.452	1.586	1.615	1.400	13.72
90)	C	Benzo(a)pyrene	0.964	0.977	1.175	1.298	1.311	1.405	1.467	1.228	16.14
91)		Dibenzo(a,h)an...	1.077	1.109	1.296	1.431	1.477	1.558	1.664	1.373	16.20
92)		Benzo(g,h,i)pe...	1.038	1.041	1.164	1.253	1.263	1.339	1.397	1.214	11.47

(#) = Out of Range



Response = 2.438e-001 * Amt - 9.513e-002
Coef of Det (r^2) = 0.997239 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052323.M
Calibration Table Last Updated: Wed May 24 01:06:13 2023



Response = 3.653e-001 * Amt - 4.676e-002
Coef of Det (r^2) = 0.998611 Curve Fit: Linear
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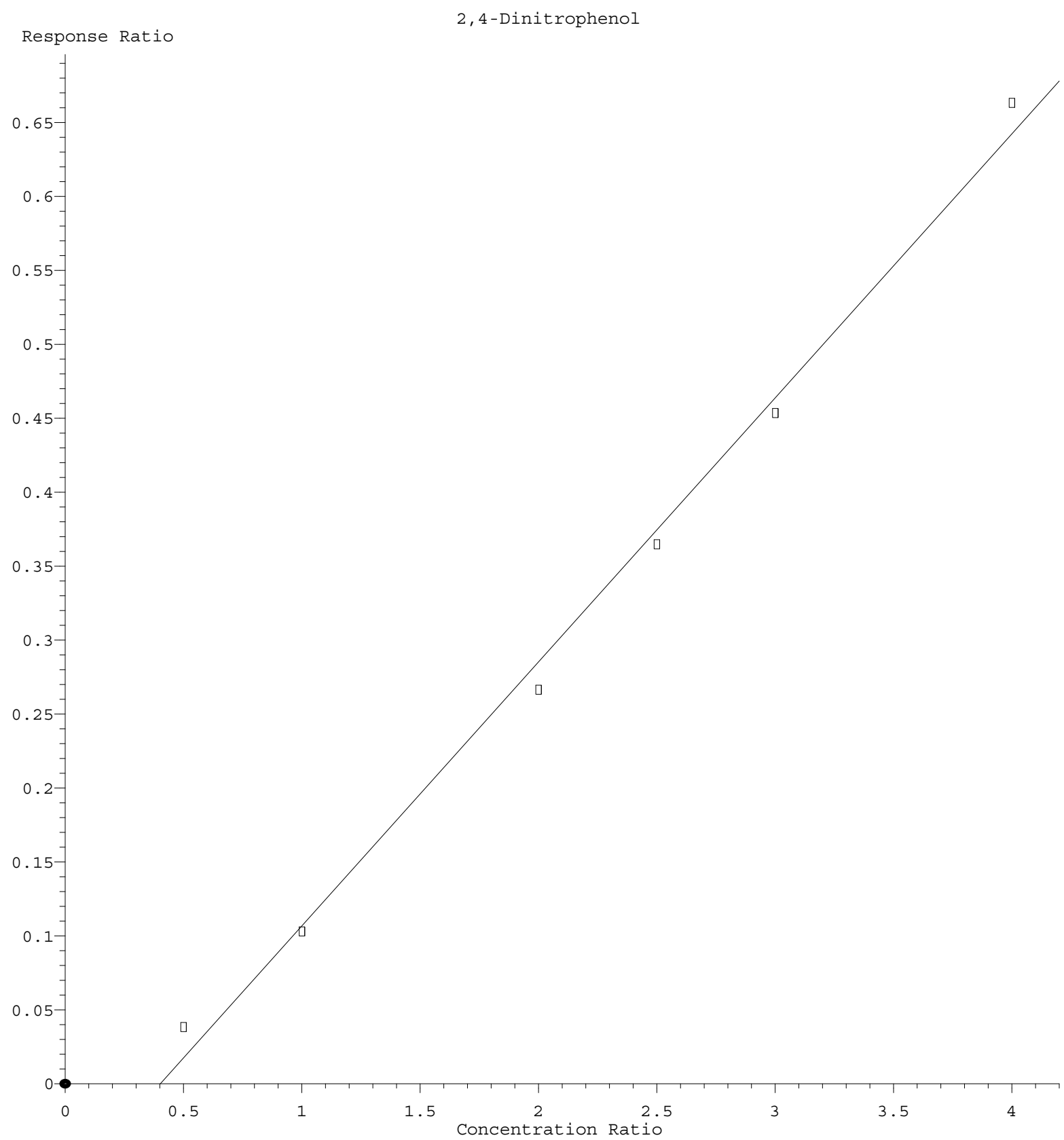
Calibration Table Last Updated: Wed May 24 01:06:13 2023



Response = 1.784e-001 * Amt - 7.174e-002
Coef of Det (r^2) = 0.994596 Curve Fit: Linear
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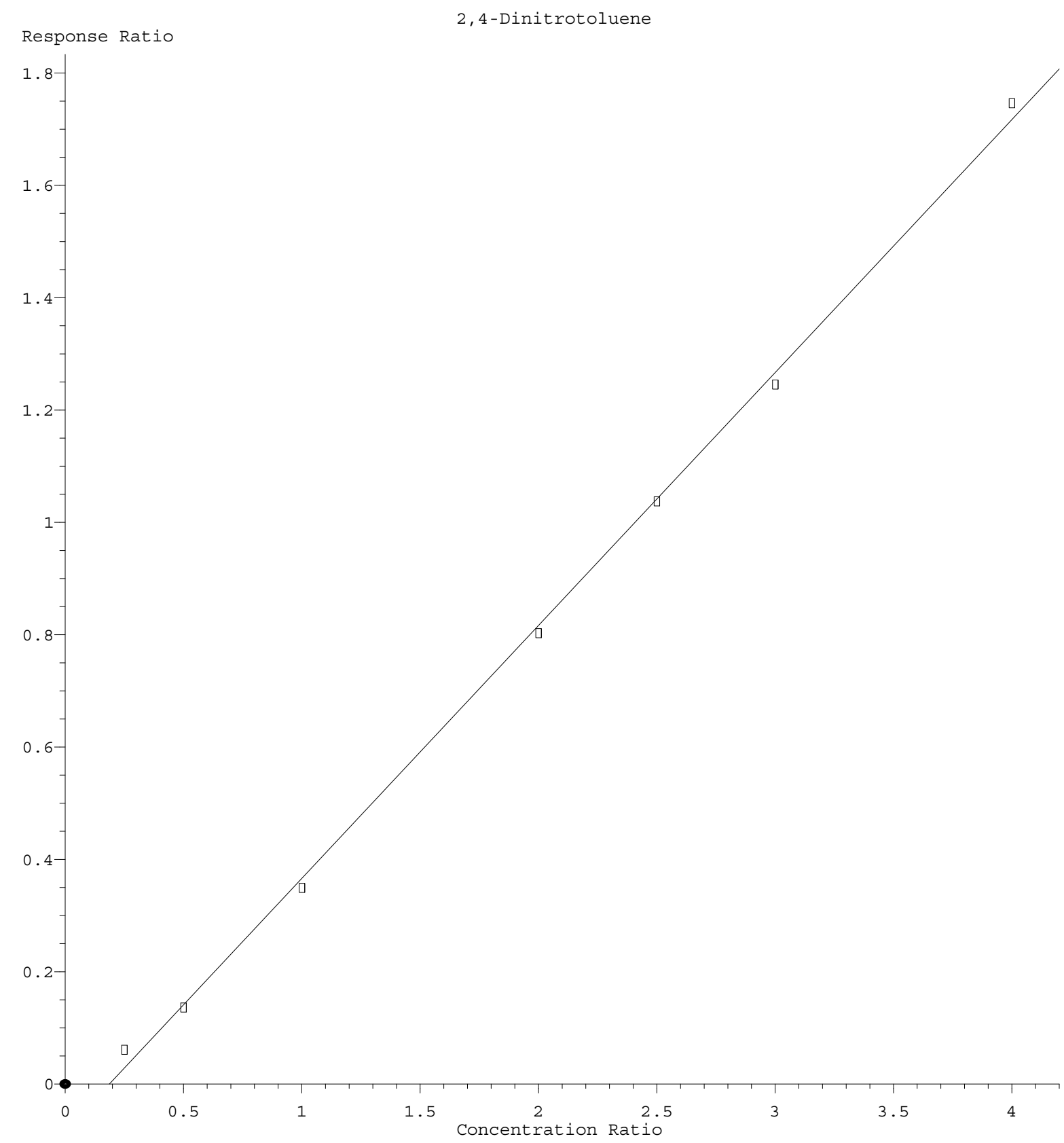
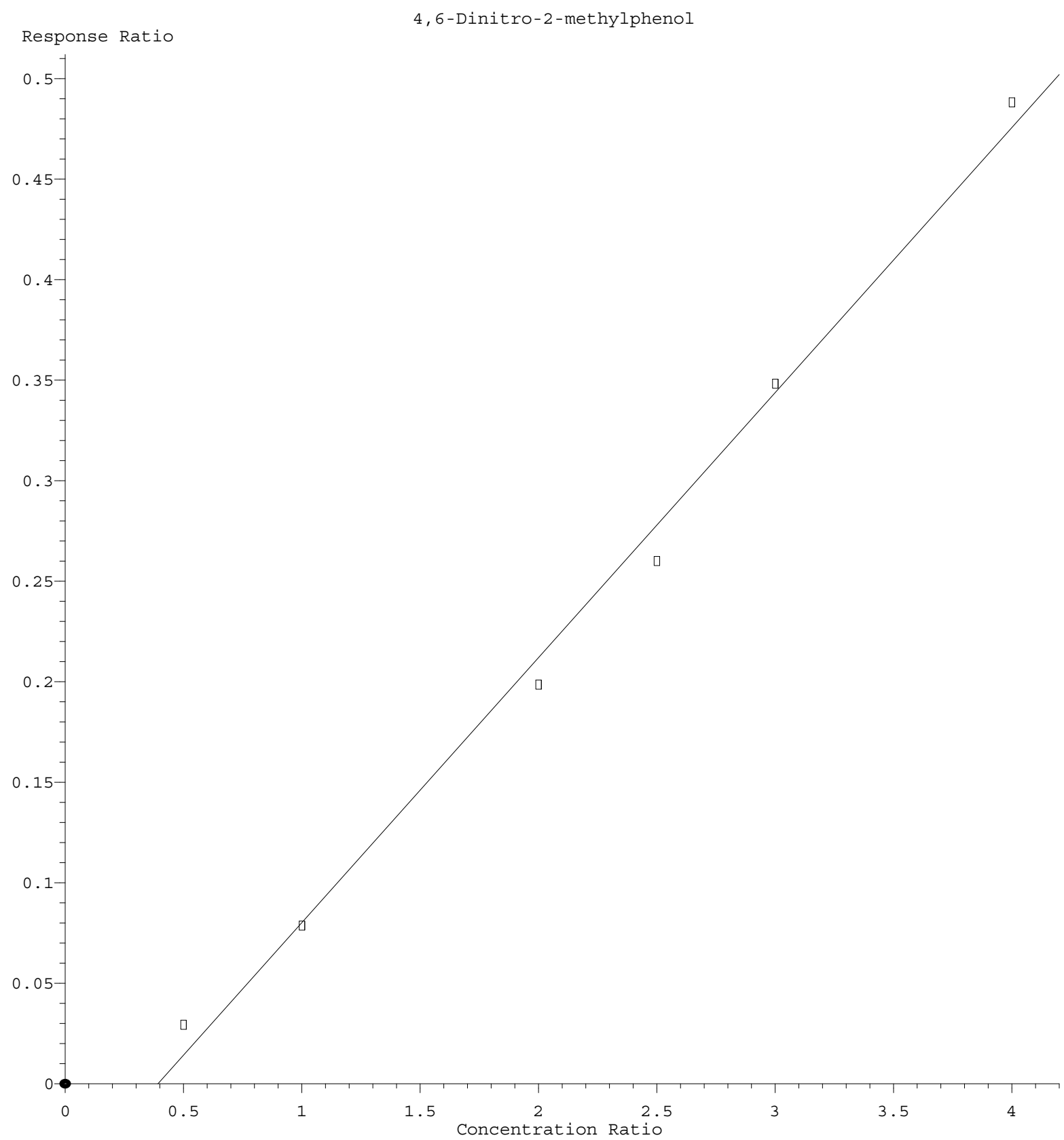
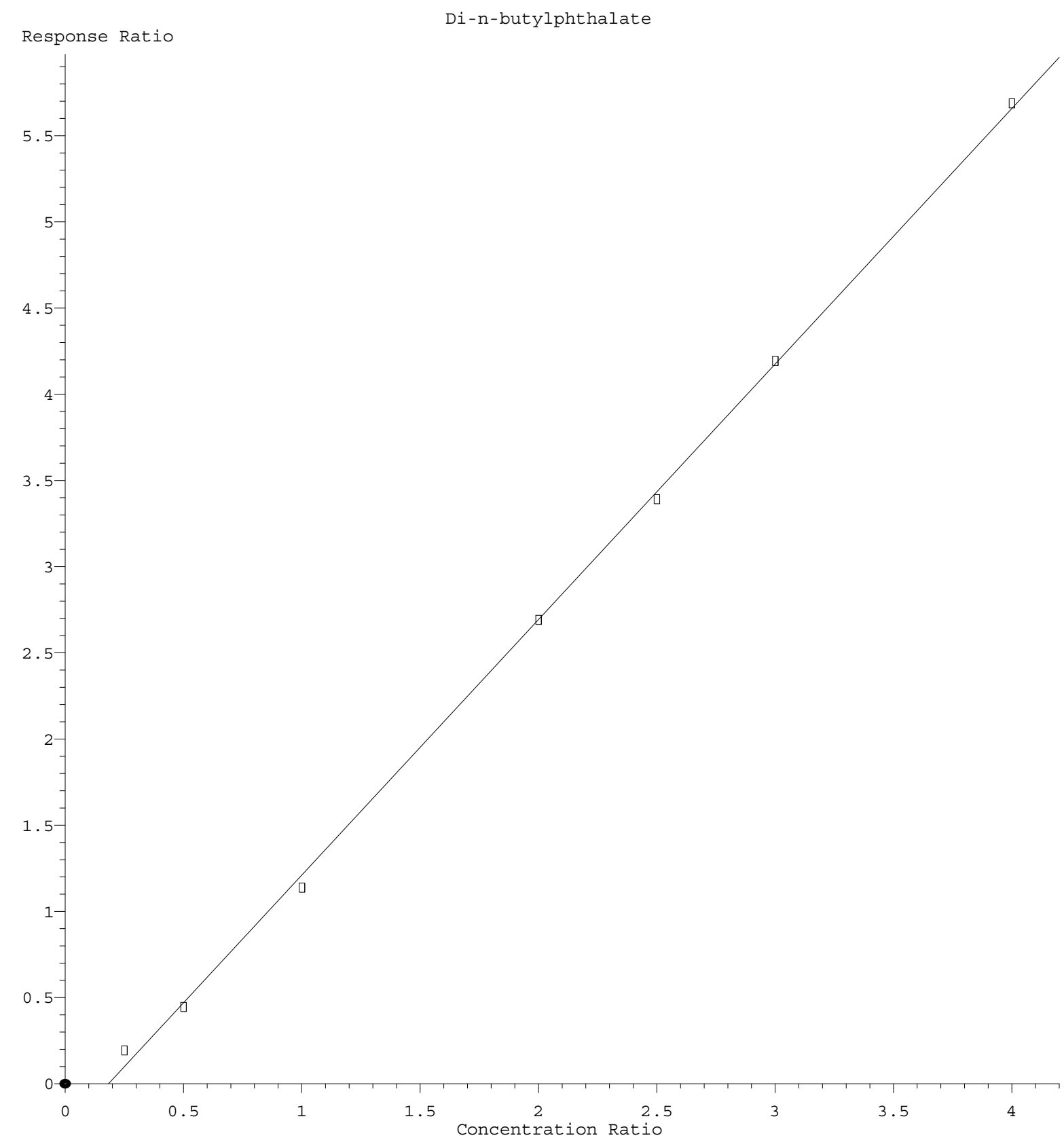
Calibration Table Last Updated: Wed May 24 01:06:13 2023



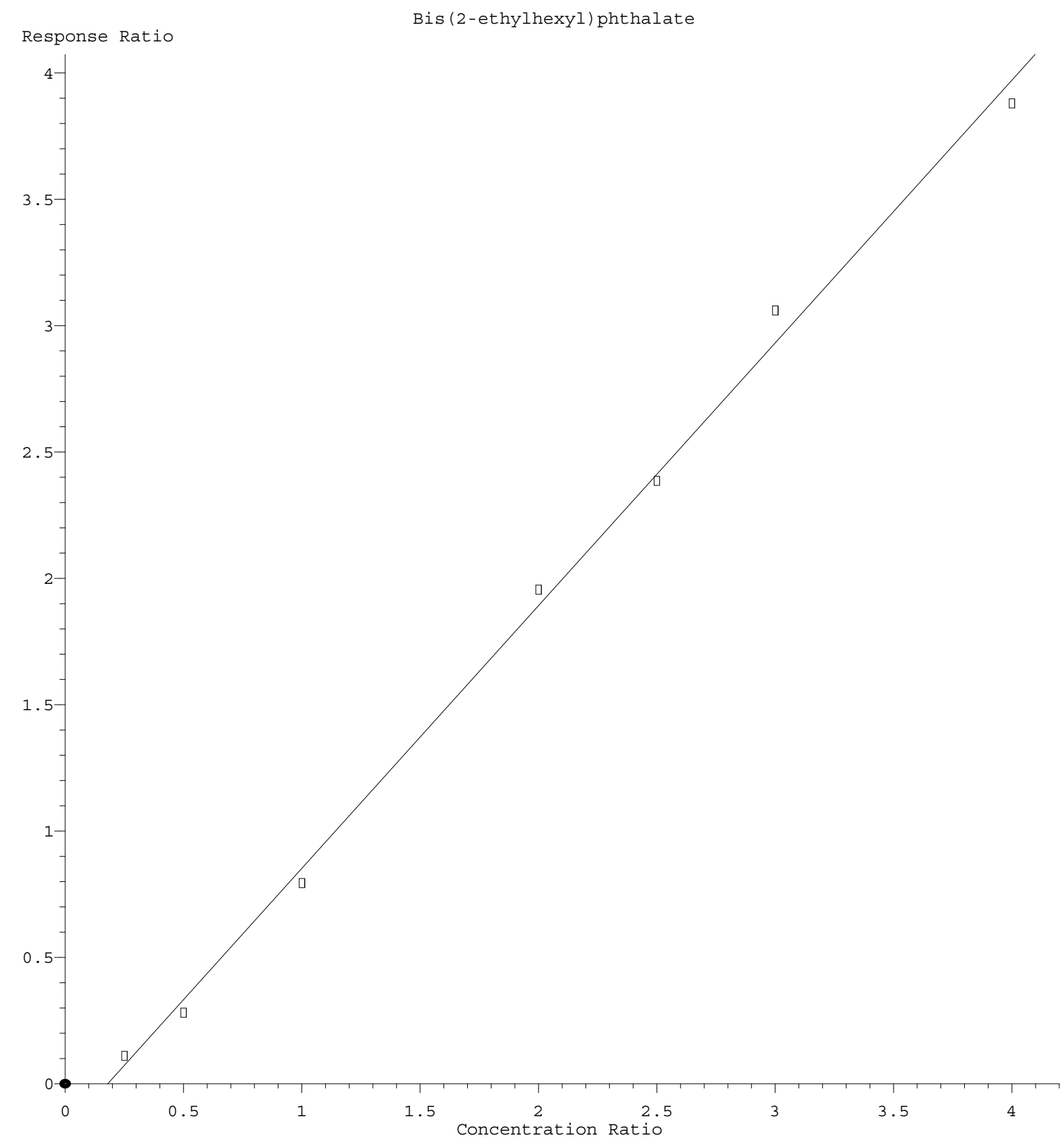
Response = 4.504e-001 * Amt - 8.442e-002
Coef of Det (r^2) = 0.998765 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052323.M
Calibration Table Last Updated: Wed May 24 01:06:13 2023



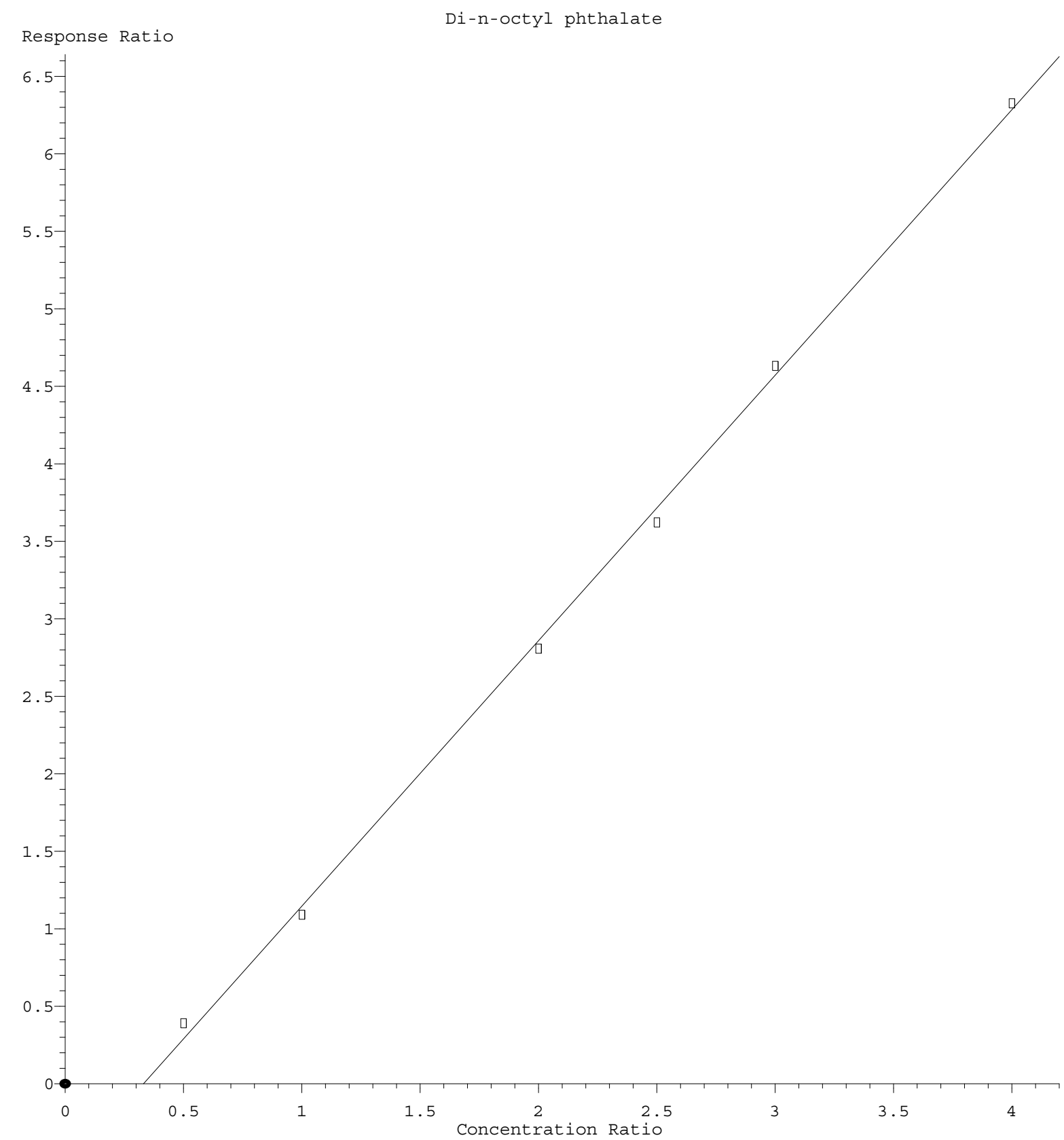
Response = 1.318e-001 * Amt - 5.167e-002
Coef of Det (r^2) = 0.993770 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052323.M
Calibration Table Last Updated: Wed May 24 01:06:13 2023



Response = 1.482e+000 * Amt - 2.714e-001
Coef of Det (r^2) = 0.999289 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052323.M
Calibration Table Last Updated: Wed May 24 01:06:13 2023



Response = 1.040e+000 * Amt - 1.873e-001
Coef of Det (r^2) = 0.997026 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052323.M
Calibration Table Last Updated: Wed May 24 01:06:13 2023



Response = 1.713e+000 * Amt - 5.663e-001
Coef of Det (r^2) = 0.998770 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052323.M
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