Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Feb 01 03:43:48 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP013669.D 5 =BP013670.D 10 =BP013671.D 20 =BP013672.D 40 =BP013673.D 50 =BP013674.D 60 =BP013675.D 80 =BP0136
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.540	0.526	0.508	0.501	0.486	0.470	0.433	0.495	7.29
3)		Pyridine		1.486	1.425	1.438	1.500	1.456	1.353	1.317	1.425	4.73
4)		n-Nitrosodimet...		0.524	0.509	0.519	0.526	0.518	0.497	0.485	0.511	3.02
5)	S	2-Fluorophenol		1.265	1.187	1.186	1.213	1.160	1.117	1.060	1.170	5.68
6)		Aniline		2.056	2.015	2.068	2.094	2.105	1.949	1.937	2.032	3.32
7)	S	Phenol-d6		1.648	1.553	1.571	1.610	1.589	1.488	1.452	1.559	4.39
8)		2-Chlorophenol		1.283	1.244	1.252	1.271	1.250	1.181	1.141	1.232	4.17
9)		Benzaldehyde		1.148	1.020	0.949	0.840	0.747	0.668		0.895	19.92
10)	C	Phenol		1.684	1.624	1.644	1.685	1.679	1.554	1.528	1.628	3.94
11)		bis(2-Chloroet...		1.389	1.317	1.310	1.328	1.316	1.236	1.210	1.301	4.60
12)		1,3-Dichlorobe...		1.501	1.431	1.411	1.420	1.373	1.314	1.263	1.387	5.70
13)	C	1,4-Dichlorobe...		1.503	1.432	1.439	1.437	1.399	1.338	1.279	1.404	5.28
14)		1,2-Dichlorobe...		1.461	1.362	1.370	1.383	1.353	1.270	1.205	1.343	6.16
15)		Benzyl Alcohol		1.054	1.042	1.087	1.151	1.194	1.101	1.097	1.104	4.82
16)		2,2'-oxybis(1-...		1.631	1.535	1.545	1.557	1.547	1.428	1.390	1.519	5.41
17)		2-Methylphenol		1.152	1.112	1.159	1.188	1.203	1.098	1.075	1.141	4.18
18)		Hexachloroethane		0.485	0.461	0.460	0.467	0.471	0.458	0.439	0.463	3.02
19)	P	n-Nitroso-di-n...	0.859	0.984	0.973	1.003	1.033	1.073	0.957	0.942	0.978	6.54
20)		3+4-Methylphenols		1.528	1.513	1.576	1.621	1.660	1.502	1.496	1.557	4.11
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.530	0.508	0.529	0.531	0.540	0.522	0.492	0.522	3.13
23)	S	Nitrobenzene-d5		0.290	0.302	0.339	0.360	0.383	0.377	0.357	0.344	10.38
24)		Nitrobenzene		0.331	0.337	0.372	0.387	0.409	0.400	0.374	0.373	7.94
25)		Isophorone		0.746	0.730	0.764	0.778	0.814	0.767	0.736	0.762	3.78
26)	C	2-Nitrophenol		0.121	0.129	0.147	0.163	0.180	0.176	0.176	0.156	15.31
27)		2,4-Dimethylph...		0.296	0.296	0.308	0.317	0.324	0.311	0.300	0.308	3.47
28)		bis(2-Chloroet...		0.465	0.450	0.461	0.456	0.477	0.457	0.431	0.457	3.11
29)	C	2,4-Dichloroph...		0.318	0.319	0.334	0.341	0.356	0.347	0.328	0.335	4.28
30)		1,2,4-Trichlor...		0.382	0.367	0.373	0.372	0.380	0.374	0.353	0.371	2.56
31)		Naphthalene		1.097	1.040	1.066	1.060	1.077	1.033	0.989	1.052	3.33
32)		Benzoic acid			0.170	0.207	0.232	0.260	0.250	0.253	0.229	15.14
33)		4-Chloroaniline		0.450	0.445	0.464	0.472	0.492	0.464	0.447	0.462	3.59
34)	C	Hexachlorobuta...		0.242	0.232	0.234	0.233	0.240	0.241	0.228	0.236	2.17
35)		Caprolactam		0.103	0.099	0.107	0.112	0.123	0.113	0.113	0.110	7.07
36)	C	4-Chloro-3-met...		0.328	0.324	0.352	0.358	0.387	0.361	0.355	0.352	5.97
37)		2-Methylnaphth...		0.808	0.762	0.801	0.792	0.824	0.788	0.759	0.791	2.98
38)		1-Methylnaphth...		0.757	0.723	0.753	0.743	0.775	0.738	0.710	0.743	2.94

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.659	0.652	0.685	0.695	0.702	0.705	0.681	0.683	3.03
41)	P	Hexachlorocycl...		0.240	0.274	0.311	0.335	0.353	0.357	0.312	14.91
42)	S	2,4,6-Tribromo...	0.273	0.279	0.295	0.306	0.323	0.313	0.311	0.300	6.16
43)	C	2,4,6-Trichlor...	0.409	0.410	0.450	0.466	0.478	0.473	0.462	0.450	6.43
44)		2,4,5-Trichlor...	0.480	0.476	0.527	0.543	0.562	0.553	0.543	0.526	6.60
45)	S	2-Fluorobiphenyl	1.473	1.429	1.477	1.458	1.438	1.414	1.316	1.429	3.85
46)		1,1'-Biphenyl	1.545	1.486	1.551	1.539	1.535	1.509	1.430	1.513	2.88
47)		2-Chloronaphth...	1.181	1.143	1.198	1.191	1.188	1.173	1.115	1.170	2.56
48)		2-Nitroaniline	0.164	0.179	0.227	0.267	0.303	0.300	0.309	0.250	24.21
49)		Acenaphthylene	1.892	1.815	1.924	1.922	1.938	1.901	1.815	1.887	2.71
50)		Dimethylphthalate	1.558	1.482	1.571	1.570	1.609	1.542	1.496	1.547	2.87
51)		2,6-Dinitrotol...	0.167	0.208	0.274	0.306	0.332	0.324	0.325	0.276	23.48
52)	C	Acenaphthene	1.225	1.184	1.210	1.225	1.246	1.231	1.181	1.215	2.01
53)		3-Nitroaniline	0.204	0.247	0.297	0.327	0.352	0.343	0.340	0.302	18.60
54)	P	2,4-Dinitrophenol		0.102	0.131	0.169	0.201	0.197	0.210	0.168	25.88
55)		Dibenzofuran	1.959	1.911	1.935	1.903	1.926	1.884	1.789	1.901	2.88
56)	P	4-Nitrophenol		0.211	0.249	0.276	0.300	0.287	0.286	0.268	12.20
57)		2,4-Dinitrotol...	0.214	0.262	0.342	0.400	0.446	0.436	0.441	0.363	25.76
58)		Fluorene	1.549	1.492	1.547	1.505	1.506	1.463	1.384	1.492	3.78
59)		2,3,4,6-Tetrac...	0.430	0.428	0.453	0.466	0.489	0.472	0.465	0.458	4.85
60)		Diethylphthalate	1.499	1.450	1.496	1.494	1.544	1.473	1.425	1.483	2.59
61)		4-Chlorophenyl...	0.844	0.807	0.812	0.813	0.831	0.807	0.776	0.813	2.65
62)		4-Nitroaniline	0.195	0.236	0.298	0.329	0.352	0.343	0.344	0.299	20.47
63)		Azobenzene	1.344	1.335	1.411	1.395	1.421	1.372	1.311	1.370	3.03
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.069	0.088	0.107	0.120	0.119	0.124	0.104	20.90
66)	c	n-Nitrosodiphe...	0.597	0.602	0.591	0.584	0.581	0.575	0.543	0.582	3.37
67)		4-Bromophenyl-...	0.224	0.221	0.230	0.230	0.238	0.234	0.228	0.229	2.52
68)		Hexachlorobenzene	0.259	0.247	0.252	0.251	0.259	0.257	0.250	0.254	1.90
69)		Atrazine	0.184	0.188	0.195	0.201	0.194	0.187	0.178	0.189	4.12
70)	C	Pentachlorophenol	0.162	0.168	0.185	0.195	0.203	0.200	0.198	0.187	8.87
71)		Phenanthrene	1.125	1.080	1.097	1.075	1.071	1.058	0.998	1.072	3.64
72)		Anthracene	1.102	1.080	1.101	1.101	1.095	1.080	1.017	1.082	2.80
73)		Carbazole	0.990	1.002	1.006	0.999	0.994	0.972	0.917	0.983	3.17
74)		Di-n-butylphth...	1.044	1.055	1.085	1.097	1.117	1.091	1.039	1.075	2.74
75)	C	Fluoranthene	1.358	1.328	1.355	1.346	1.356	1.337	1.262	1.335	2.53
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.446	0.468	0.411	0.471	0.421	0.392	0.415	0.432	6.98
78)		Pyrene	1.361	1.313	1.355	1.378	1.373	1.355	1.284	1.346	2.55
79)	S	Terphenyl-d14	1.050	1.020	1.043	1.034	1.021	0.995	0.887	1.007	5.55
80)		Butylbenzylpht...	0.321	0.321	0.347	0.378	0.403	0.398	0.403	0.367	10.08
81)		Benzo(a)anthra...	1.414	1.353	1.399	1.417	1.421	1.394	1.326	1.389	2.60
82)		3,3'-Dichlorob...	0.398	0.405	0.447	0.463	0.465	0.452	0.443	0.439	6.10
83)		Chrysene	1.370	1.311	1.336	1.342	1.334	1.324	1.247	1.324	2.90
84)		Bis(2-ethylhex...	0.584	0.576	0.608	0.643	0.666	0.653	0.647	0.625	5.71
85)	c	Di-n-octyl pht...	1.069	1.047	1.108	1.173	1.220	1.198	1.180	1.142	5.88

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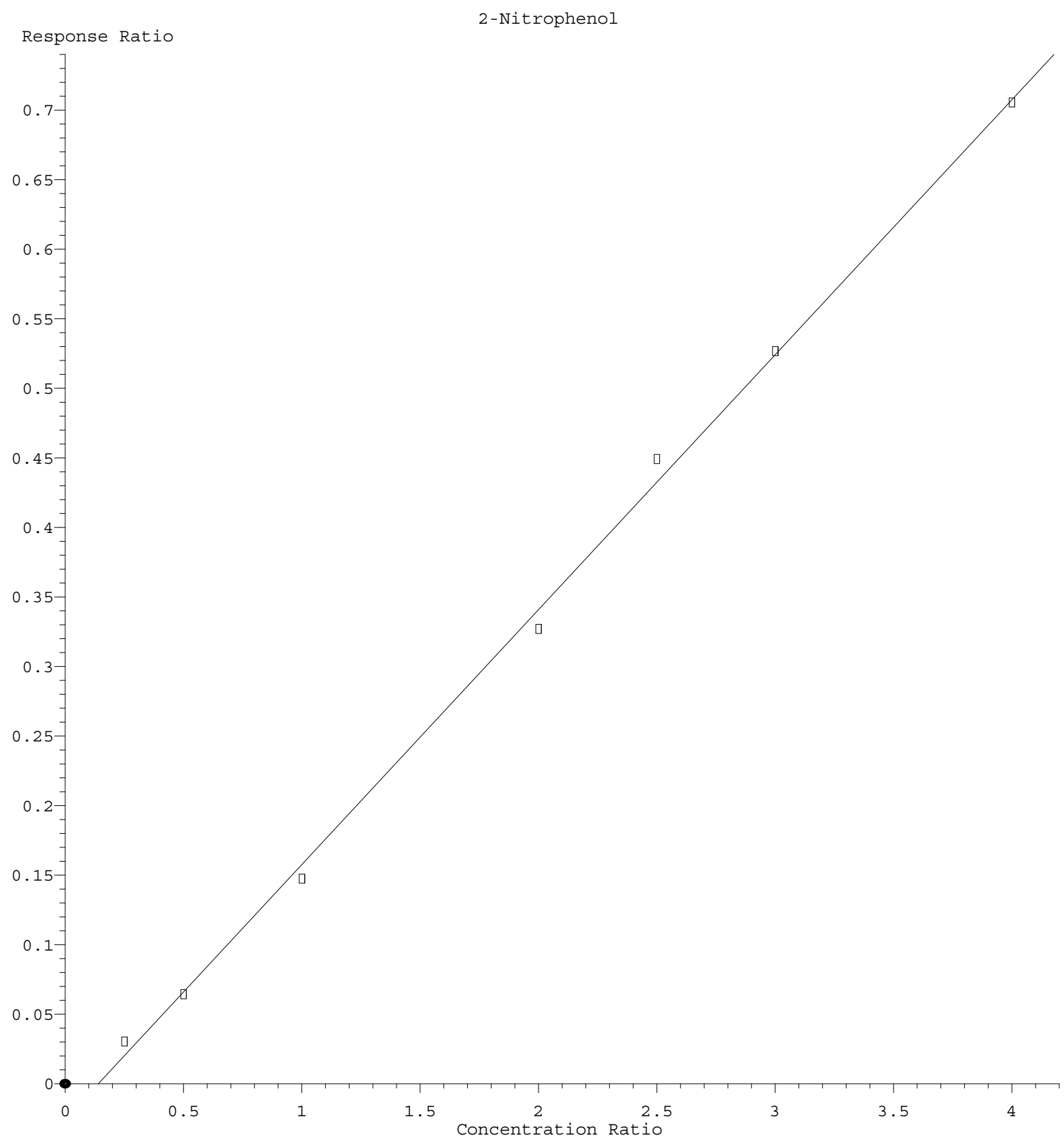
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.562	1.482	1.517	1.530	1.549	1.531	1.476	1.521	2.11
88)		Benzo(b)fluora...	1.187	1.140	1.231	1.201	1.262	1.228	1.165	1.202	3.47
89)		Benzo(k)fluora...	1.243	1.138	1.216	1.248	1.208	1.200	1.174	1.204	3.19
90)	C	Benzo(a)pyrene	1.194	1.153	1.199	1.207	1.223	1.208	1.168	1.193	2.06
91)		Dibenzo(a,h)an...	1.290	1.236	1.263	1.274	1.288	1.271	1.215	1.263	2.18
92)		Benzo(g,h,i)pe...	1.297	1.221	1.249	1.258	1.274	1.258	1.221	1.254	2.19

(#) = Out of Range



Response = 1.834e-001 * Amt - 2.573e-002
Coef of Det (r^2) = 0.998220 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
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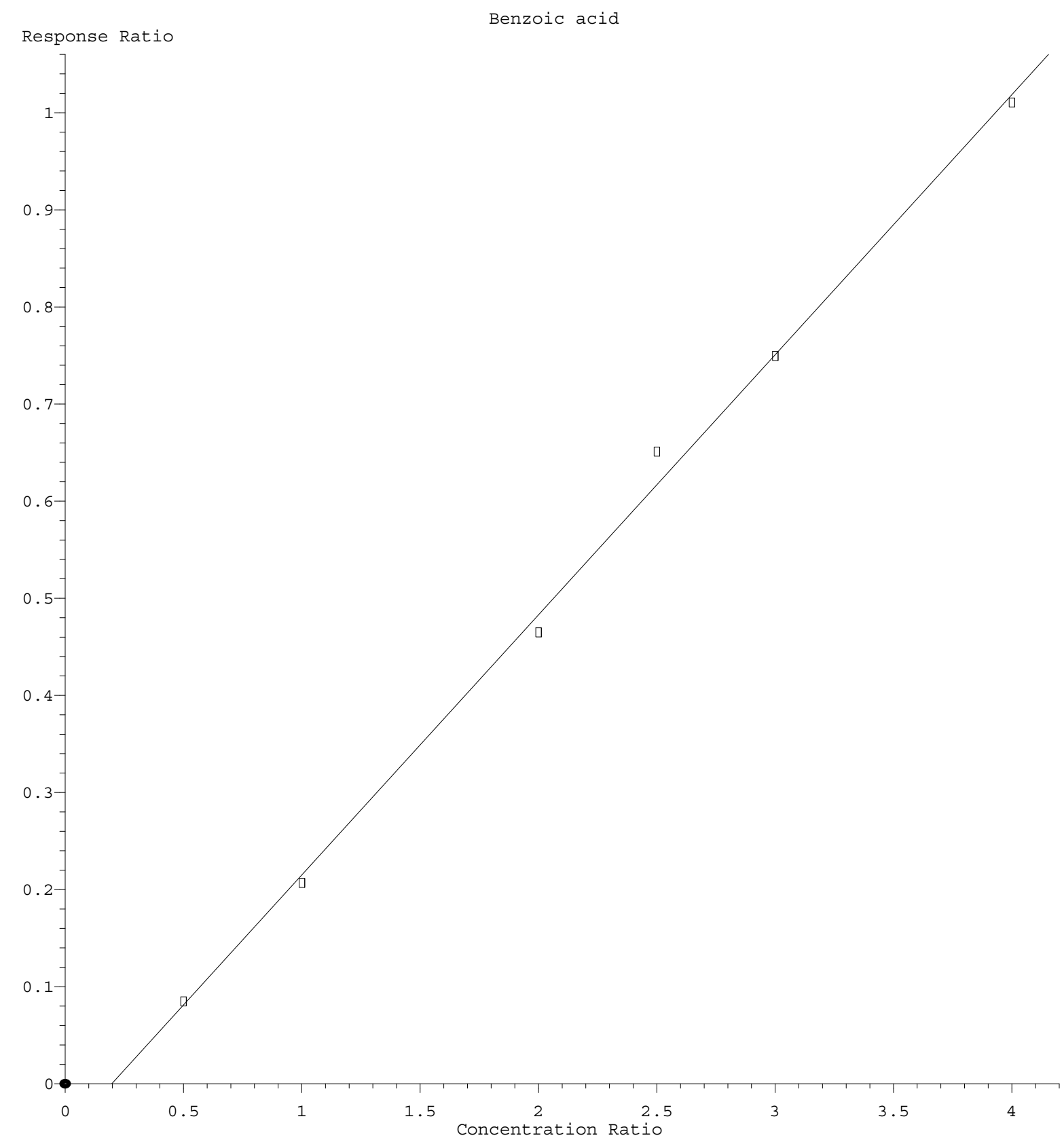

Response = 2.681e-001 * Amt - 5.289e-002
Coef of Det (r^2) = 0.997269 Curve Fit: Linear
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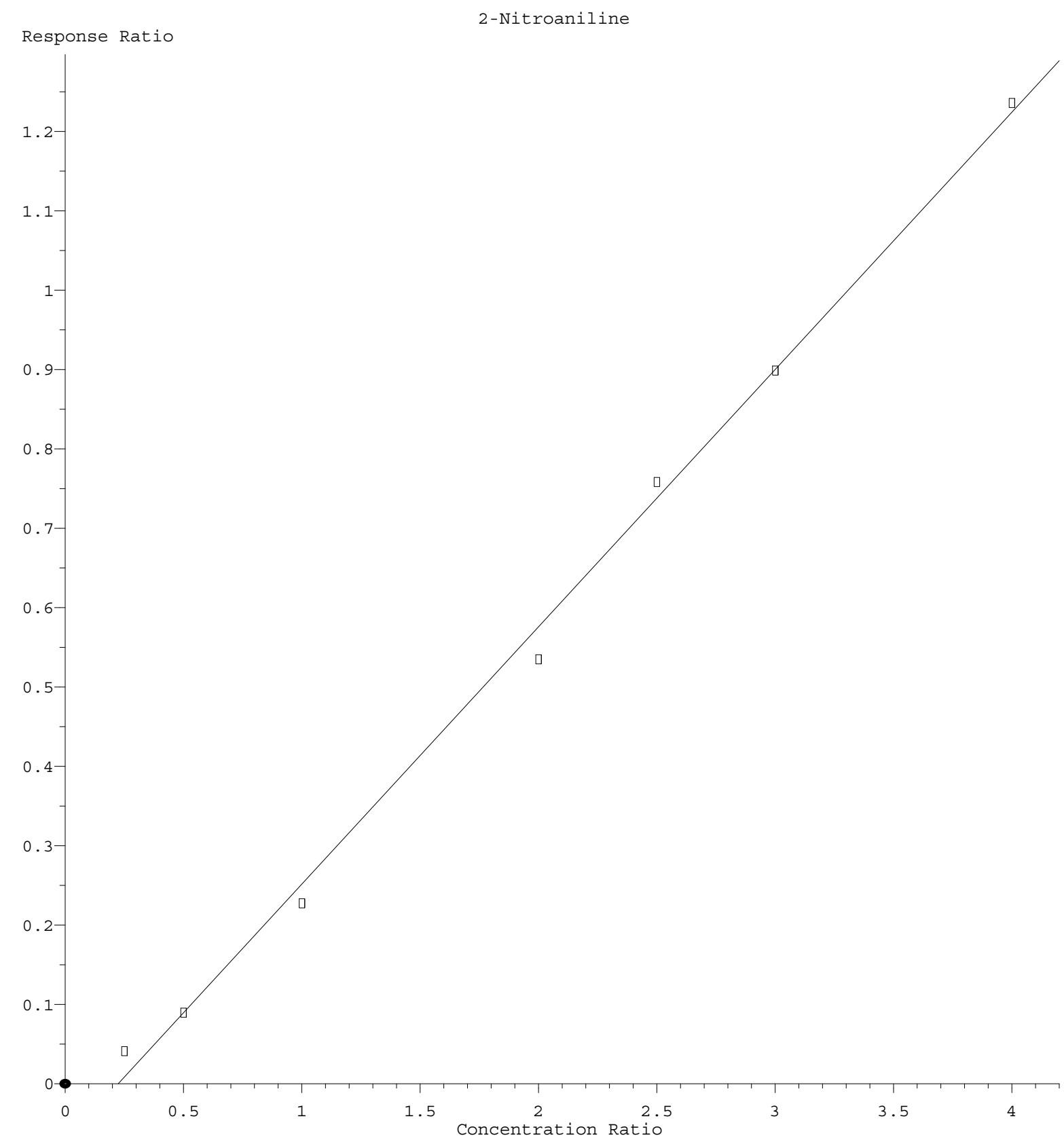

Response = 3.241e-001 * Amt - 7.271e-002
Coef of Det (r^2) = 0.996794 Curve Fit: Linear
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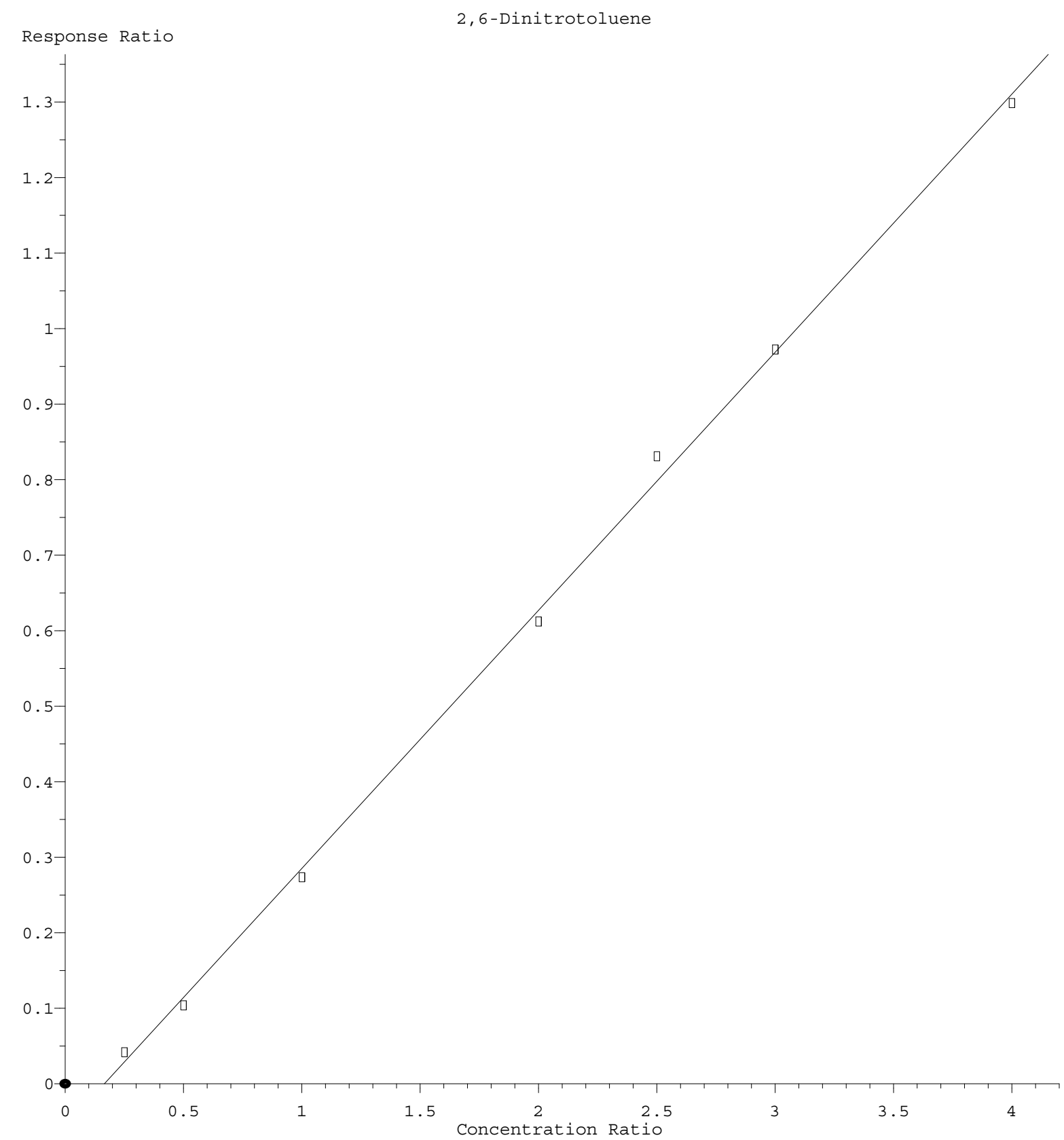

Response = 3.419e-001 * Amt - 5.667e-002
Coef of Det (r^2) = 0.998601 Curve Fit: Linear
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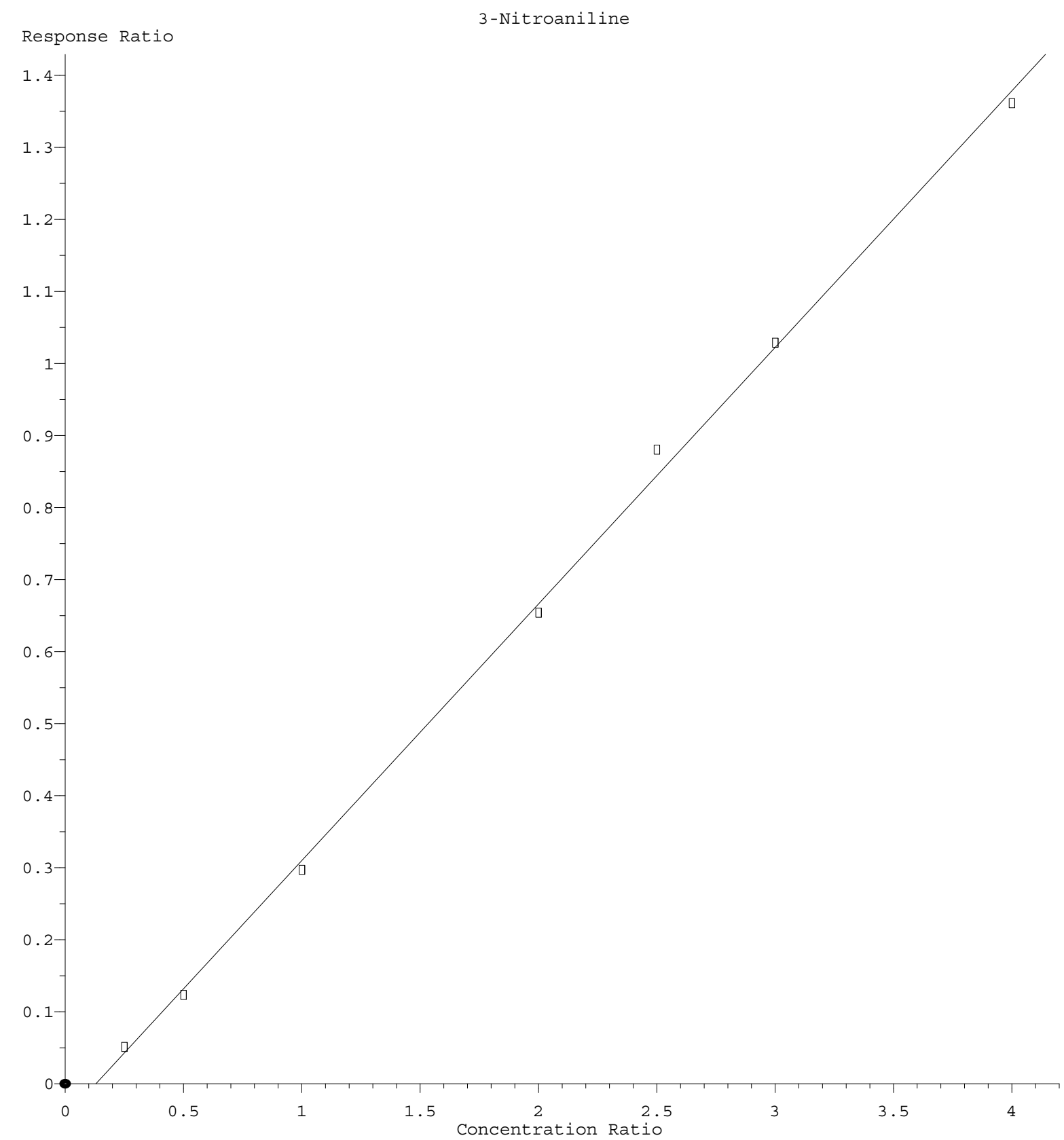
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



Response = 3.563e-001 * Amt - 4.642e-002
Coef of Det (r^2) = 0.998561 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
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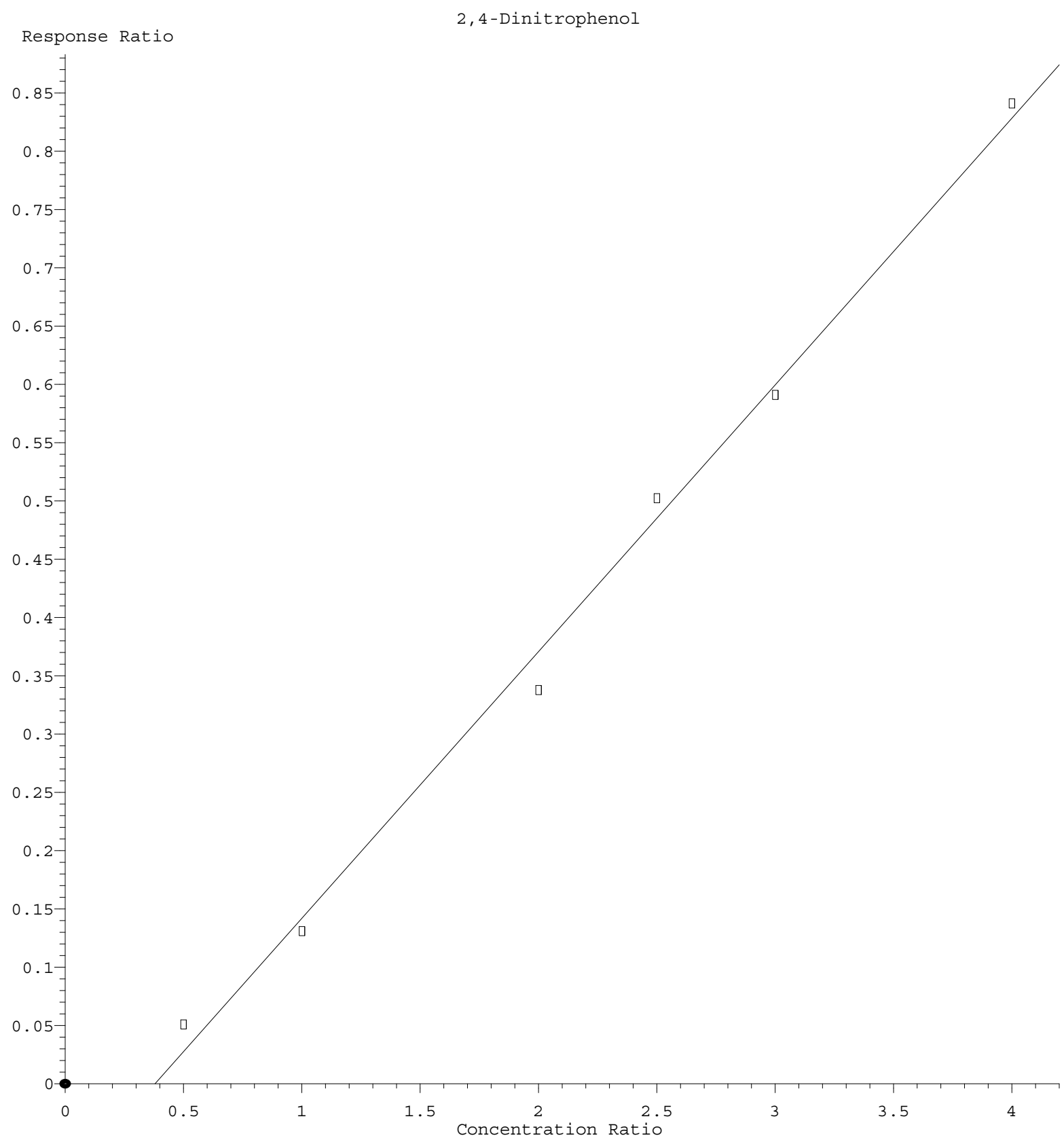

Response = 2.289e-001 * Amt - 8.710e-002
Coef of Det (r^2) = 0.994799 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
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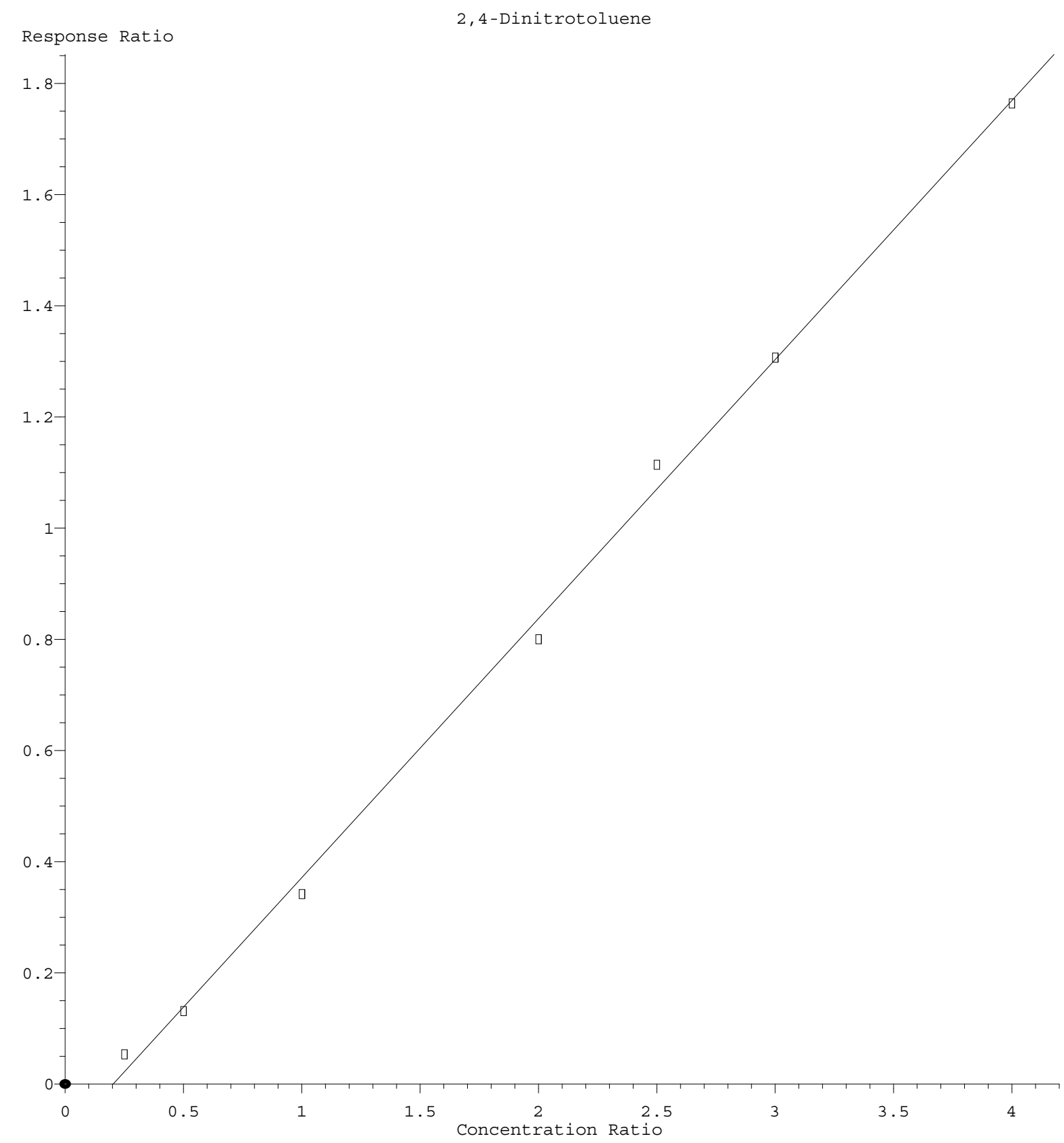
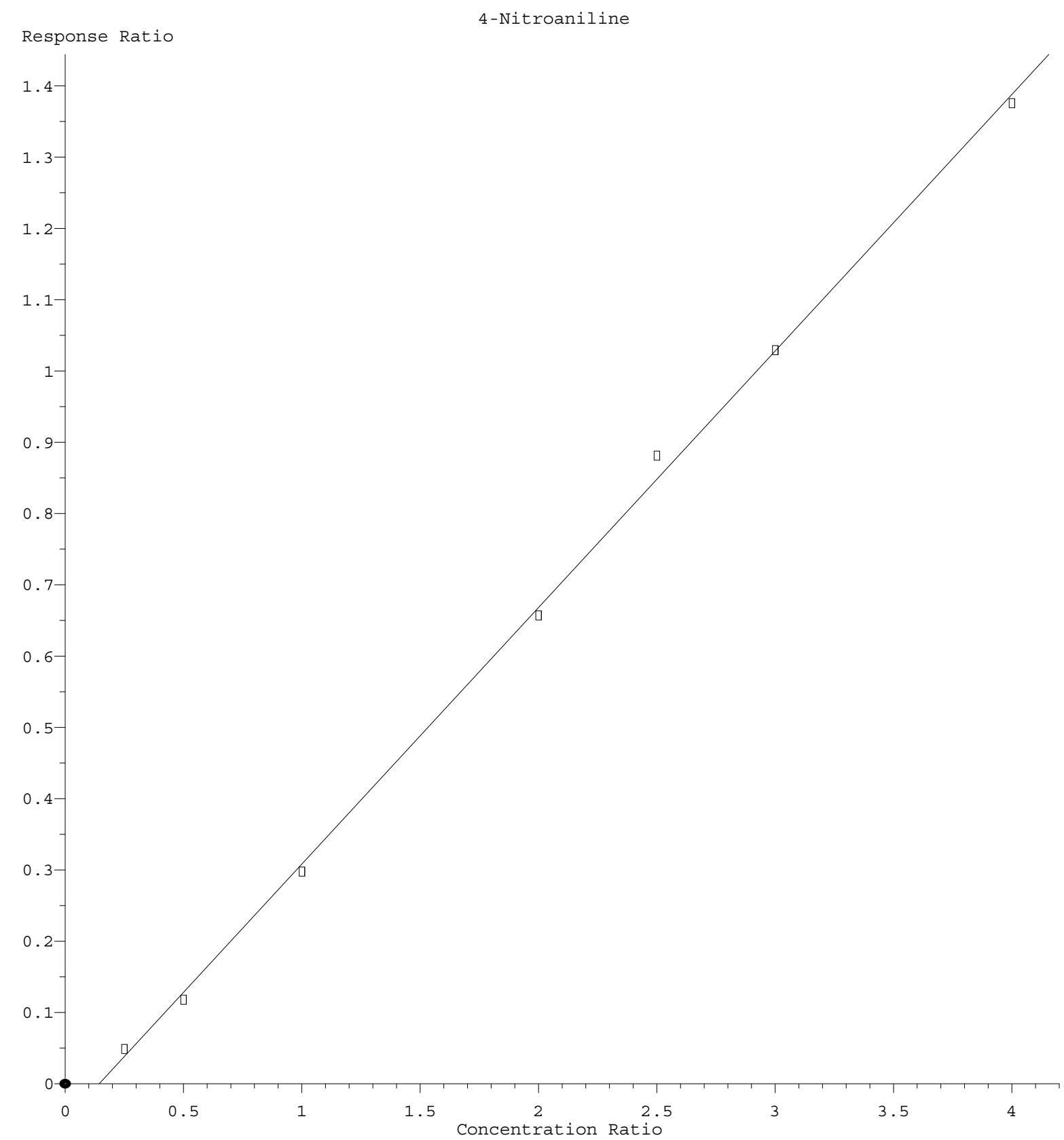


Response = 4.659e-001 * Amt - 9.472e-002
Coef of Det (r^2) = 0.997894 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



Response = 3.600e-001 * Amt - 5.183e-002
Coef of Det (r^2) = 0.998856 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
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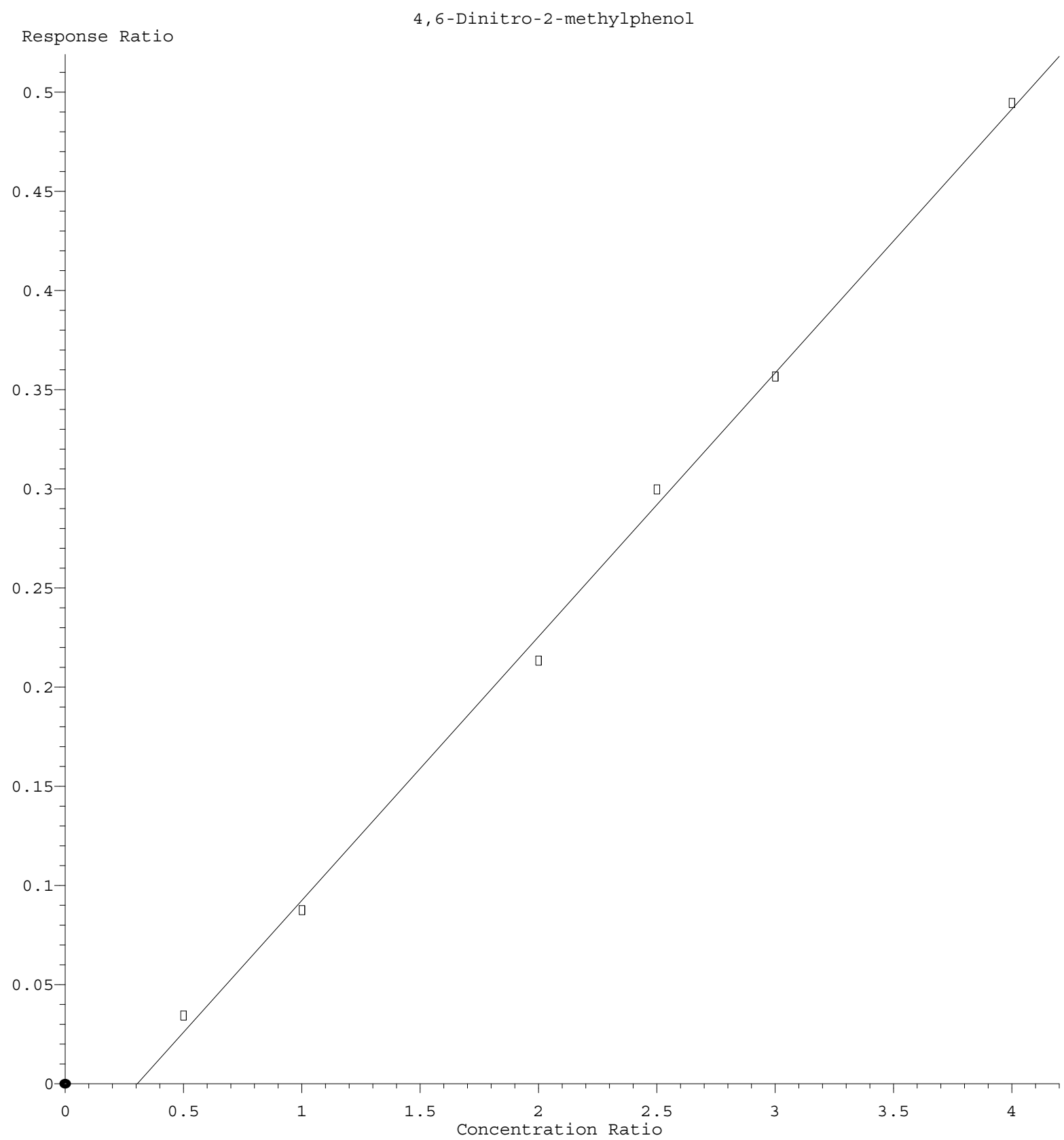

Response = 1.330e-001 * Amt - 4.056e-002
Coef of Det (r^2) = 0.997867 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
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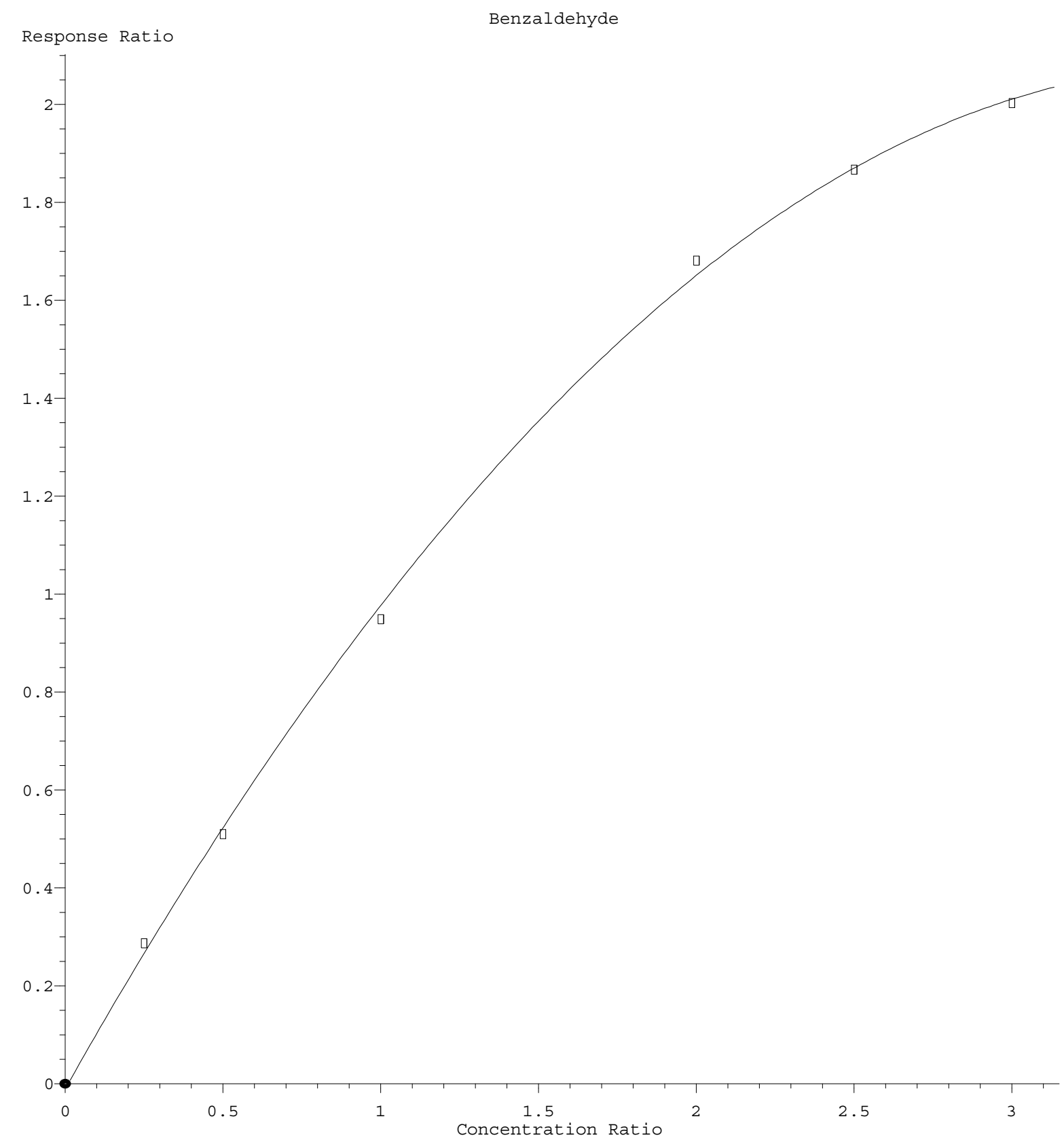

R = -1.567e-001 A*A + 1.144e+000 A - 1.050e-002
Coef of Det (r^2) = 0.999111 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
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