Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat May 25 02:22:23 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP020447.D 5 =BP020448.D 10 =BP020449.D 20 =BP020450.D 40 =BP020451.D 50 =BP020452.D 60 =BP020453.D 80 =BP0204
54.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.483	0.459	0.474	0.464	0.446	0.448	0.419	0.456	4.58
3)		Pyridine		1.259	1.266	1.327	1.256	1.239	1.305	1.273	1.275	2.41
4)		n-Nitrosodimet...		0.576	0.580	0.621	0.594	0.576	0.601	0.579	0.590	2.83
5)	S	2-Fluorophenol		1.188	1.137	1.191	1.152	1.107	1.148	1.079	1.143	3.55
6)		Aniline		1.653	1.619	1.710	1.562	1.521	1.619	1.569	1.608	3.92
7)	S	Phenol-d6		1.622	1.581	1.680	1.560	1.498	1.600	1.525	1.581	3.86
8)		2-Chlorophenol		1.281	1.257	1.315	1.242	1.201	1.261	1.204	1.252	3.24
9)		Benzaldehyde		1.178	1.128	1.076	0.880	0.777	0.775		0.969	18.61
10)	C	Phenol		1.635	1.612	1.704	1.587	1.522	1.620	1.553	1.605	3.67
11)		bis(2-Chloroet...		1.385	1.344	1.410	1.311	1.262	1.325	1.265	1.329	4.20
12)		1,3-Dichlorobe...		1.575	1.522	1.545	1.467	1.414	1.458	1.378	1.480	4.80
13)	C	1,4-Dichlorobe...		1.585	1.531	1.579	1.494	1.435	1.478	1.403	1.501	4.59
14)		1,2-Dichlorobe...		1.528	1.471	1.512	1.427	1.373	1.416	1.339	1.438	4.86
15)		Benzyl Alcohol		1.165	1.165	1.227	1.117	1.074	1.178	1.128	1.151	4.28
16)		2,2'-oxybis(1-...		2.135	2.072	2.129	1.949	1.835	1.956	1.831	1.987	6.47
17)		2-Methylphenol		1.132	1.080	1.166	1.068	1.028	1.097	1.048	1.088	4.40
18)		Hexachloroethane		0.549	0.532	0.554	0.539	0.518	0.530	0.512	0.534	2.88
19)	P	n-Nitroso-di-n...	1.070	1.162	1.134	1.194	1.022	0.973	1.054	0.996	1.076	7.48
20)		3+4-Methylphenols		1.496	1.503	1.592	1.438	1.398	1.508	1.471	1.487	4.10
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.523	0.510	0.517	0.493	0.470	0.484	0.455	0.493	5.10
23)	S	Nitrobenzene-d5		0.300	0.313	0.350	0.355	0.343	0.357	0.343	0.337	6.56
24)		Nitrobenzene		0.316	0.330	0.360	0.360	0.347	0.359	0.350	0.346	4.93
25)		Isophorone		0.756	0.748	0.772	0.701	0.671	0.702	0.685	0.719	5.41
26)	C	2-Nitrophenol		0.079	0.091	0.111	0.123	0.128			0.106	19.71
27)		2,4-Dimethylph...		0.219	0.222	0.229	0.214	0.206	0.216	0.206	0.216	3.91
28)		bis(2-Chloroet...		0.459	0.449	0.460	0.438	0.419	0.429	0.410	0.438	4.48
29)	C	2,4-Dichloroph...		0.276	0.279	0.303	0.290	0.282	0.297	0.290	0.288	3.38
30)		1,2,4-Trichlor...		0.352	0.343	0.354	0.343	0.334	0.342	0.328	0.342	2.67
31)		Naphthalene		1.072	1.040	1.066	1.024	0.985	0.990	0.962	1.020	4.14
32)		Benzoic acid			0.098	0.142	0.153	0.166	0.199	0.209	0.161	25.00
33)		4-Chloroaniline		0.412	0.407	0.419	0.383	0.367	0.391	0.378	0.394	4.95
34)	C	Hexachlorobuta...		0.218	0.211	0.217	0.216	0.210	0.211	0.204	0.212	2.37
35)		Caprolactam		0.098	0.107	0.112	0.091	0.088	0.102	0.103	0.100	8.50
36)	C	4-Chloro-3-met...		0.321	0.332	0.355	0.315	0.304	0.335	0.332	0.328	4.95
37)		2-Methylnaphth...		0.771	0.749	0.772	0.713	0.679	0.714	0.672	0.724	5.65
38)		1-Methylnaphth...		0.771	0.745	0.772	0.692	0.663	0.682	0.670	0.714	6.66

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.591	0.563	0.580	0.604	0.587	0.592	0.560	0.582	2.72
41)	P	Hexachlorocycl...	0.180	0.186	0.204	0.222	0.219	0.215	0.206	0.205	7.89
42)	S	2,4,6-Tribromo...	0.194	0.203	0.216	0.200	0.196	0.218	0.225	0.207	5.84
43)	C	2,4,6-Trichlor...	0.322	0.329	0.355	0.365	0.354	0.374	0.361	0.351	5.37
44)		2,4,5-Trichlor...	0.347	0.357	0.393	0.396	0.392	0.419	0.401	0.386	6.59
45)	S	2-Fluorobiphenyl	1.467	1.400	1.405	1.392	1.339	1.296	1.212	1.359	6.21
46)		1,1'-Biphenyl	1.512	1.442	1.462	1.446	1.402	1.422	1.305	1.427	4.49
47)		2-Chloronaphth...	1.201	1.137	1.141	1.123	1.097	1.127	1.058	1.126	3.88
48)		2-Nitroaniline	0.176	0.209	0.261	0.270	0.276	0.308	0.311	0.259	19.21
49)		Acenaphthylene	1.768	1.705	1.752	1.682	1.612	1.665	1.574	1.680	4.19
50)		Dimethylphthalate	1.468	1.414	1.447	1.336	1.281	1.382	1.319	1.378	5.02
51)		2,6-Dinitrotol...	0.200	0.233	0.280	0.274	0.270	0.303	0.298	0.265	13.88
52)	C	Acenaphthene	1.127	1.096	1.119	1.076	1.053	1.098	1.050	1.088	2.76
53)		3-Nitroaniline	0.193	0.236	0.282	0.262	0.263	0.291	0.293	0.260	13.69
54)	P	2,4-Dinitrophenol		0.054	0.069	0.073	0.083	0.103	0.117	0.083	27.83
55)		Dibenzofuran	1.783	1.705	1.716	1.610	1.562	1.631	1.543	1.650	5.33
56)	P	4-Nitrophenol		0.181	0.220	0.204	0.209	0.235	0.240	0.215	10.13
57)		2,4-Dinitrotol...	0.215	0.276	0.352	0.336	0.339	0.389	0.397	0.329	19.53
58)		Fluorene	1.484	1.431	1.418	1.278	1.224	1.274	1.179	1.327	8.78
59)		2,3,4,6-Tetrac...	0.297	0.317	0.330	0.310	0.307	0.336	0.327	0.318	4.42
60)		Diethylphthalate	1.527	1.487	1.494	1.319	1.282	1.364	1.355	1.404	6.89
61)		4-Chlorophenyl...	0.757	0.723	0.721	0.661	0.637	0.667	0.627	0.685	7.18
62)		4-Nitroaniline	0.207	0.248	0.288	0.256	0.262	0.287	0.294	0.263	11.63
63)		Azobenzene	1.458	1.386	1.408	1.266	1.203	1.261	1.212	1.313	7.79
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.041	0.056	0.063	0.069	0.083	0.089	0.067	26.24
66)	c	n-Nitrosodiphe...	0.595	0.577	0.588	0.581	0.556	0.574	0.533	0.572	3.72
67)		4-Bromophenyl-...	0.218	0.210	0.214	0.215	0.205	0.216	0.203	0.212	2.74
68)		Hexachlorobenzene	0.251	0.240	0.252	0.246	0.240	0.248	0.232	0.244	2.91
69)		Atrazine	0.205	0.211	0.214	0.193	0.186	0.197	0.187	0.199	5.65
70)	C	Pentachlorophenol	0.108	0.123	0.140	0.139	0.140	0.150	0.148	0.135	11.11
71)		Phenanthrene	1.052	1.016	1.035	0.990	0.960	0.955	0.899	0.987	5.35
72)		Anthracene	1.020	1.021	1.046	0.972	0.941	0.962	0.887	0.978	5.60
73)		Carbazole	0.982	0.996	1.010	0.924	0.885	0.855	0.832	0.926	7.71
74)		Di-n-butylphth...	1.209	1.255	1.273	1.164	1.126	1.100	1.051	1.168	7.03
75)	C	Fluoranthene	1.235	1.267	1.272	1.146	1.145	1.014	0.974	1.150	10.37
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.509	0.542	0.642	0.497	0.454	0.349		0.499	19.42
78)		Pyrene	1.630	1.491	1.586	1.392	1.313	1.587	1.587	1.512	7.87
79)	S	Terphenyl-d14	1.348	1.252	1.306	1.115	1.060	1.219	1.165	1.209	8.51
80)		Butylbenzylpht...	0.466	0.531	0.597	0.550	0.562	0.579	0.588	0.553	8.09
81)		Benzo(a)anthra...	1.367	1.344	1.368	1.298	1.281	1.322	1.260	1.320	3.19
82)		3,3'-Dichlorob...	0.382	0.405	0.438	0.449	0.437	0.421	0.388	0.417	6.25
83)		Chrysene	1.293	1.242	1.284	1.254	1.202	1.231	1.167	1.239	3.58
84)		Bis(2-ethylhex...	0.752	0.858	0.952	0.870	0.869	0.861	0.849	0.858	6.80
85)	c	Di-n-octyl pht...	1.007	1.213	1.316	1.469	1.469	1.424	1.308	1.315	12.60

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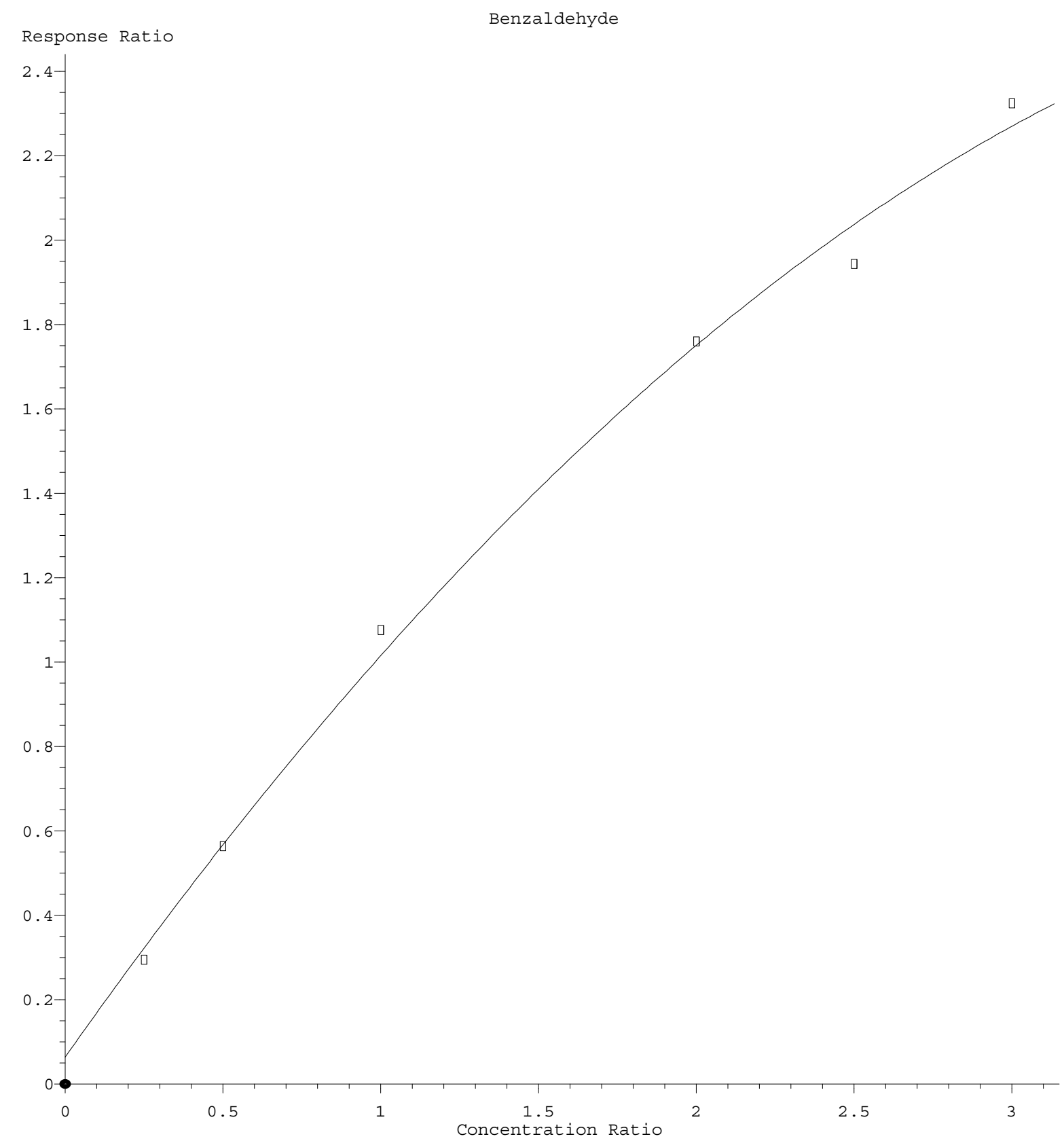
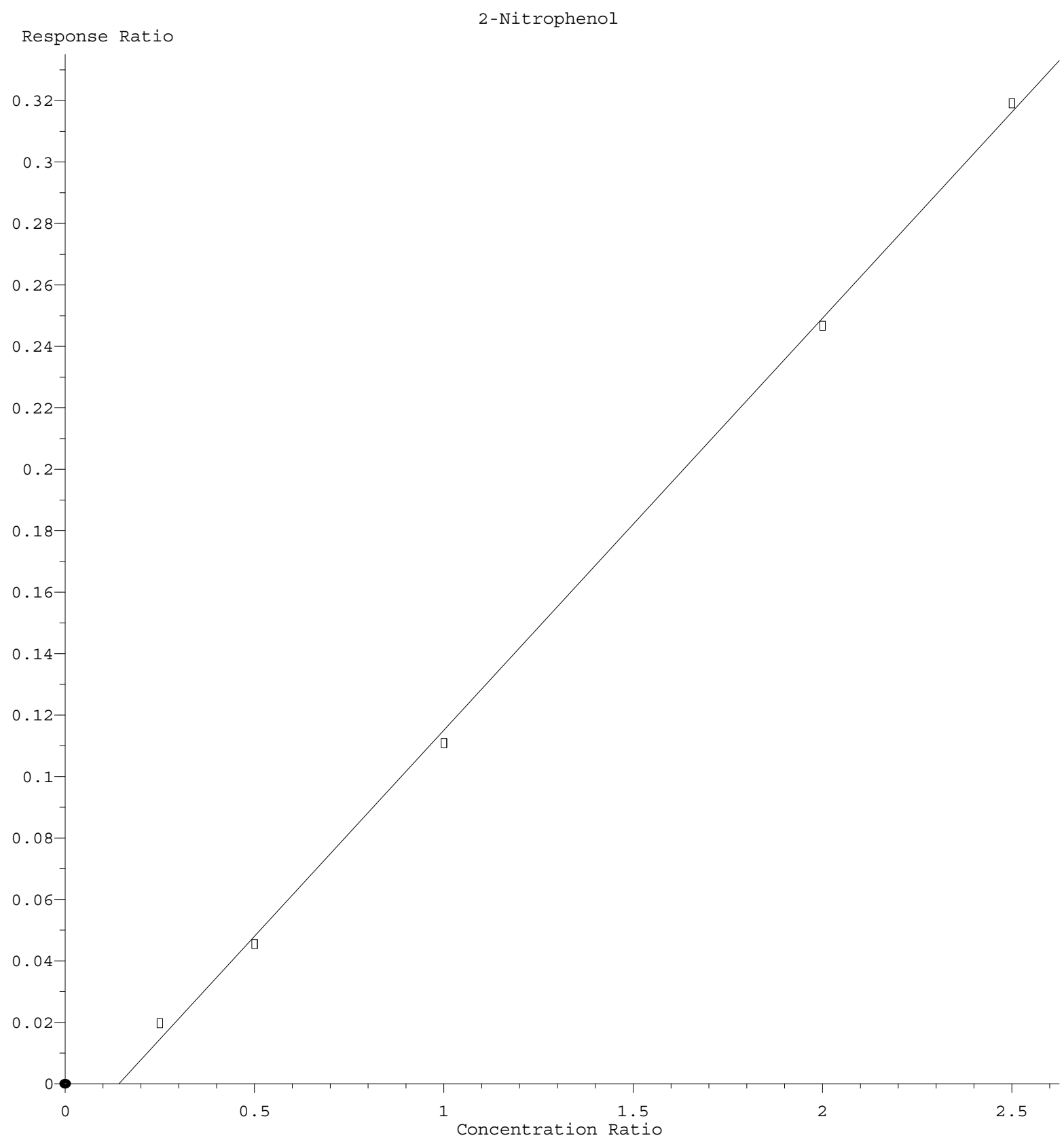
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.291	1.116	1.248	1.361	1.330	1.423	1.353	1.303	7.62
88)		Benzo(b)fluora...	1.208	1.266	1.305	1.156	1.160	1.188	1.175	1.208	4.70
89)		Benzo(k)fluora...	1.180	1.237	1.239	1.139	1.126	1.153	1.103	1.168	4.54
90)	C	Benzo(a)pyrene	1.054	1.030	1.079	1.043	1.023	1.073	1.021	1.046	2.24
91)		Dibenzo(a,h)an...	1.082	0.912	1.042	1.124	1.099	1.182	1.127	1.081	7.97
92)		Benzo(g,h,i)pe...	1.071	0.938	1.035	1.132	1.101	1.192	1.131	1.086	7.56

(#) = Out of Range



R = -1.080e-001 A*A + 1.059e+000 A + 6.420e-002
Coef of Det (r^2) = 0.995032 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
Calibration Table Last Updated: Sat May 25 02:22:23 2024



Response = 1.340e-001 * Amt - 1.908e-002
Coef of Det (r^2) = 0.999029 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
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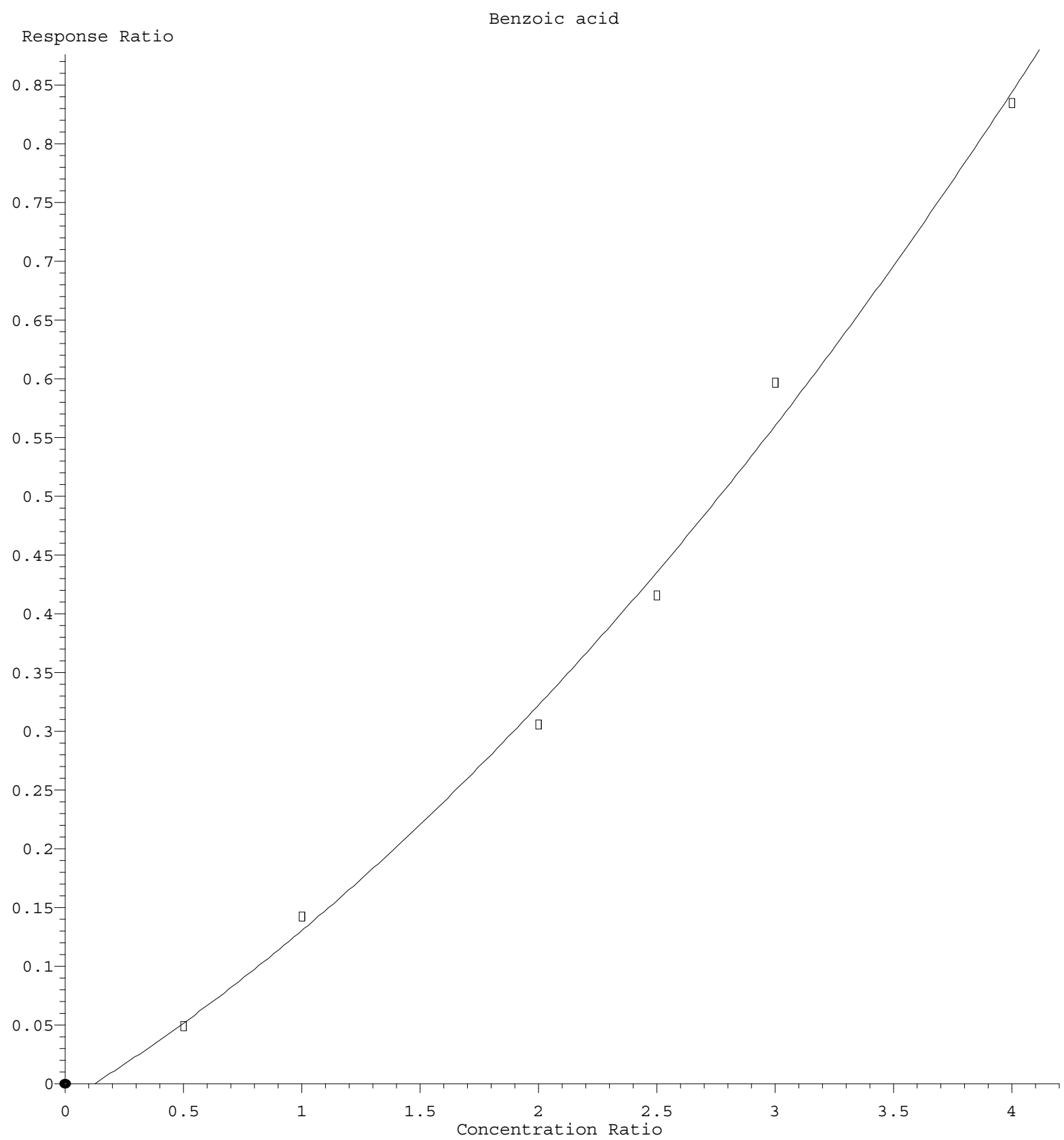
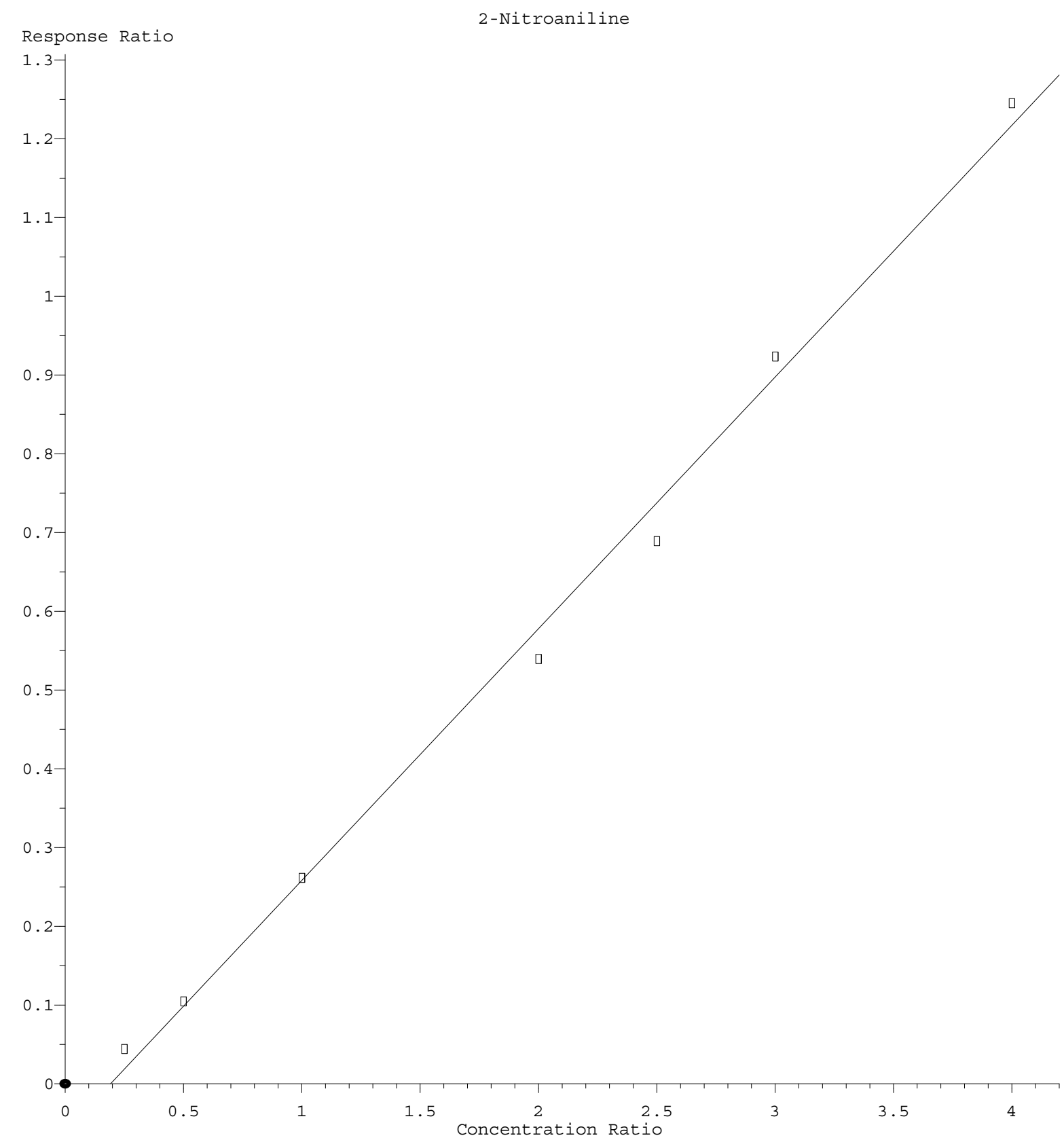


R = 2.297e-002 A*A + 1.230e-001 A - 1.555e-002
Coef of Det (r^2) = 0.994741 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
Calibration Table Last Updated: Sat May 25 02:22:23 2024



Response = 3.197e-001 * Amt - 6.126e-002
Coef of Det (r^2) = 0.994909 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
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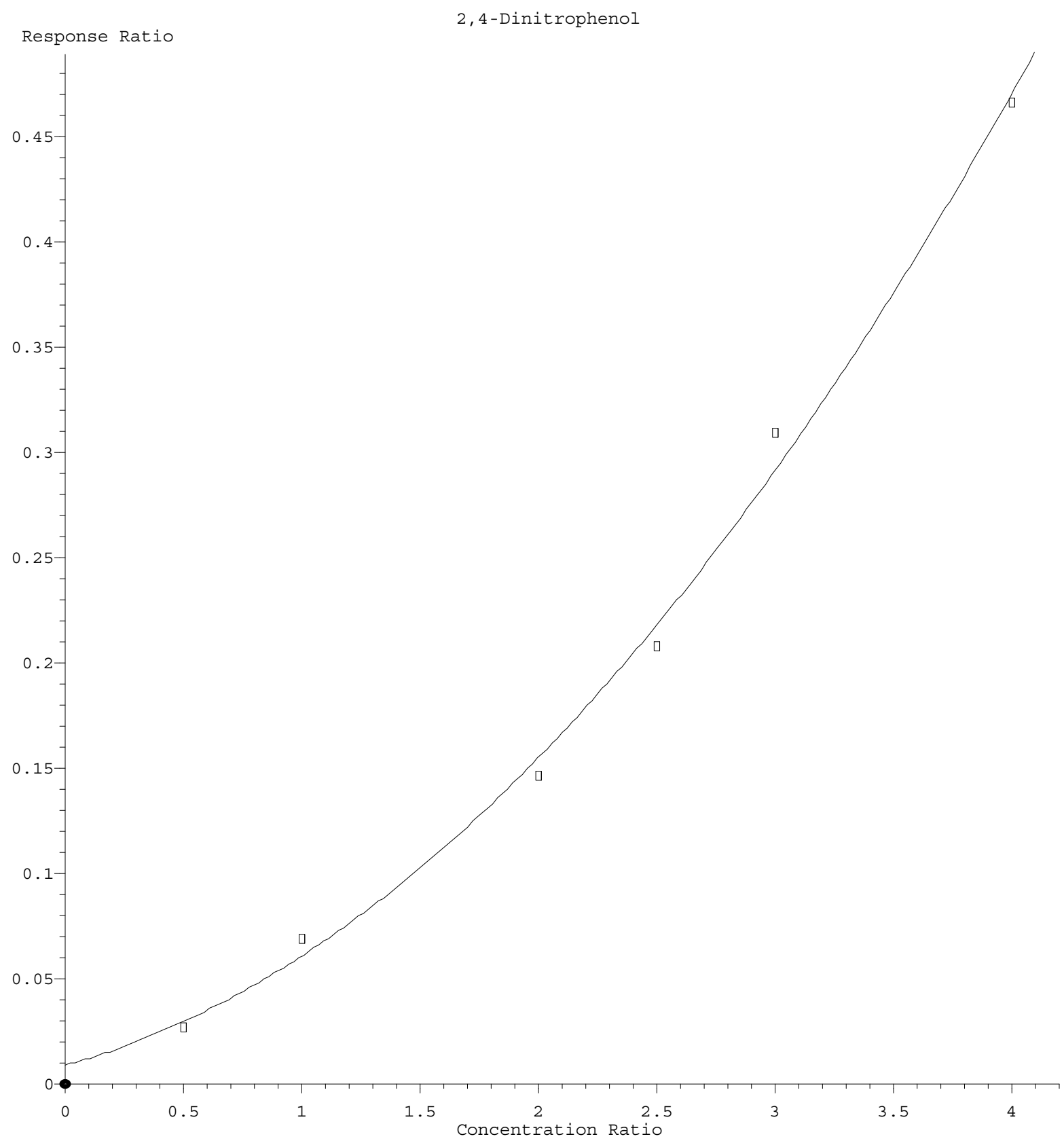
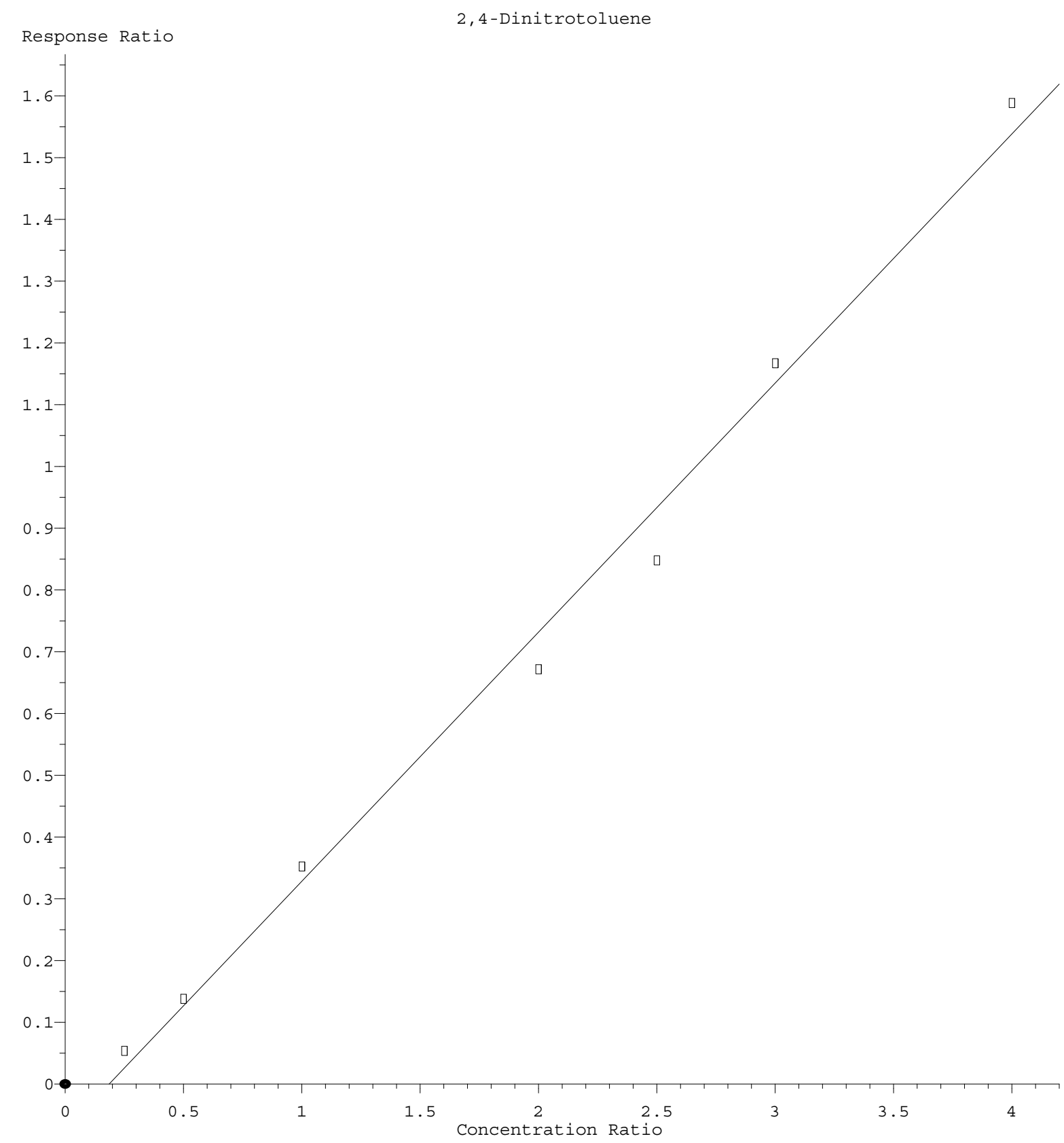


R = 2.115e-002 A*A + 3.079e-002 A + 8.916e-003
Coef of Det (r^2) = 0.995614 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
Calibration Table Last Updated: Sat May 25 02:22:23 2024



Response = 4.033e-001 * Amt - 7.502e-002
Coef of Det (r^2) = 0.991535 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
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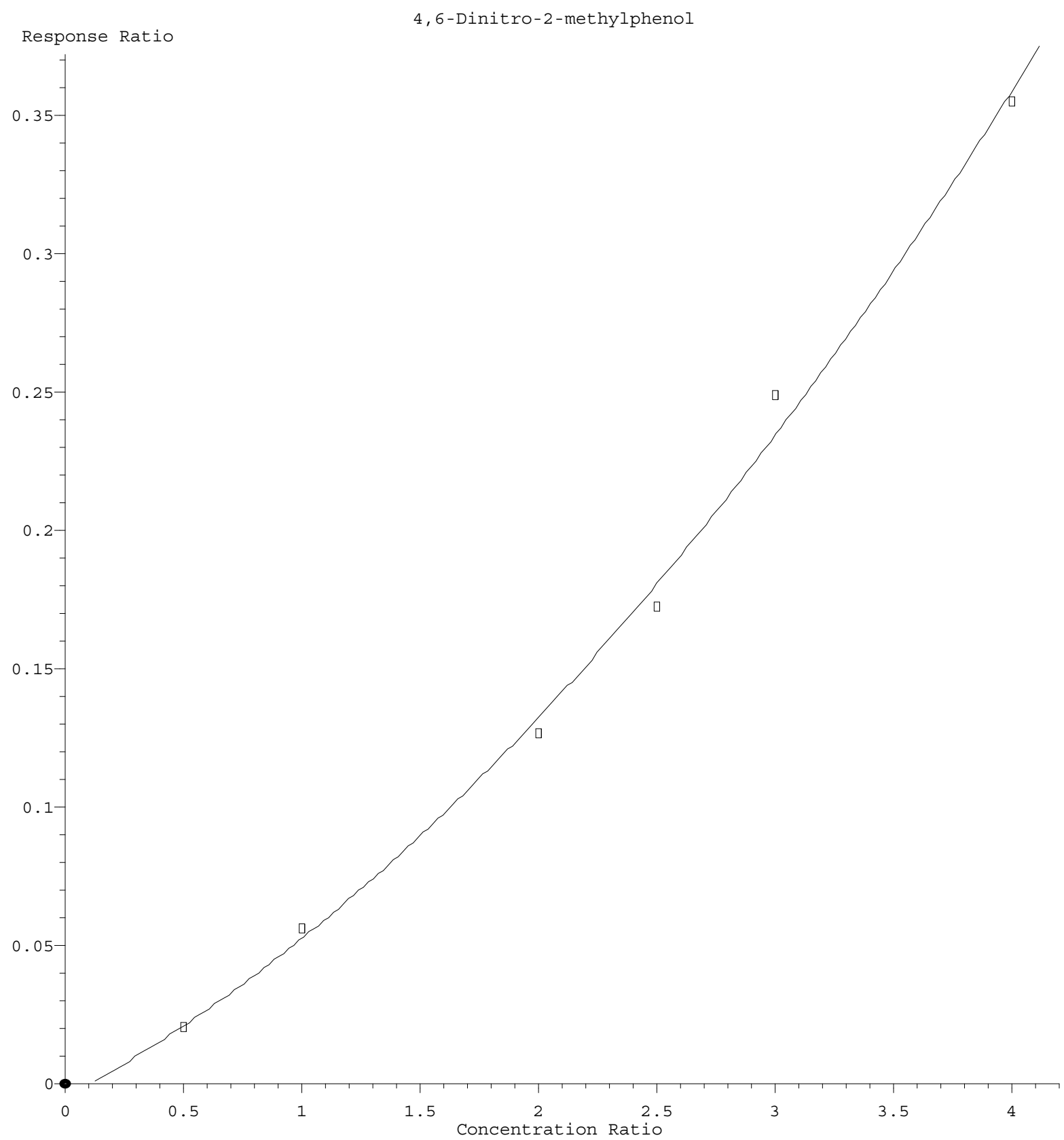
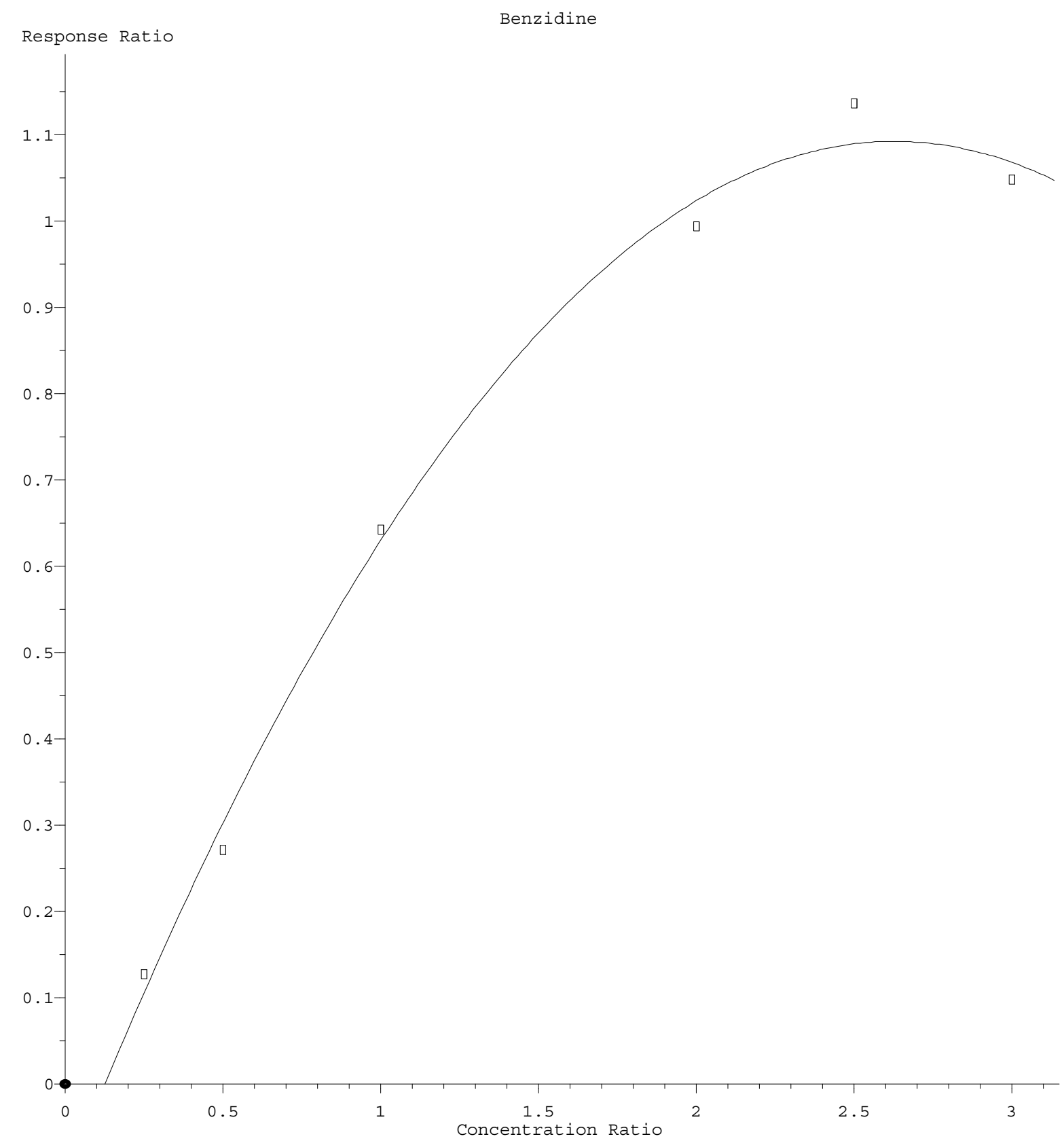


R = 1.112e-002 A*A + 4.646e-002 A - 5.041e-003
Coef of Det (r^2) = 0.995661 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
Calibration Table Last Updated: Sat May 25 02:22:23 2024



R = -1.745e-001 A*A + 9.172e-001 A - 1.126e-001
Coef of Det (r^2) = 0.994446 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052424.M
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