Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 26 23:43:31 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP019443.D 5 =BP019444.D 10 =BP019445.D 20 =BP019446.D 40 =BP019447.D 50 =BP019448.D 60 =BP019449.D 80 =BP0194
50.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.527	0.512	0.505	0.495	0.491	0.493	0.490	0.502	2.73
3)		Pyridine		1.396	1.476	1.488	1.470	1.476	1.542	1.569	1.488	3.72
4)		n-Nitrosodimet...		0.614	0.655	0.684	0.700	0.710	0.735	0.728	0.689	6.22
5)	S	2-Fluorophenol		1.280	1.274	1.277	1.239	1.247	1.290	1.292	1.271	1.62
6)		Aniline		1.886	1.922	1.951	1.910	1.905	1.994	1.792	1.909	3.27
7)	S	Phenol-d6		1.823	1.853	1.890	1.875	1.865	1.924	1.914	1.878	1.87
8)		2-Chlorophenol		1.331	1.321	1.338	1.311	1.317	1.366	1.366	1.336	1.67
9)		Benzaldehyde			1.349	1.203	1.057	0.949	0.923		1.096	16.36
10)	C	Phenol		1.834	1.846	1.885	1.877	1.863	1.940	1.904	1.879	1.92
11)		bis(2-Chloroet...		1.471	1.489	1.522	1.477	1.462	1.507	1.478	1.487	1.42
12)		1,3-Dichlorobe...		1.670	1.619	1.623	1.540	1.539	1.590	1.580	1.595	2.96
13)	C	1,4-Dichlorobe...		1.646	1.661	1.647	1.564	1.567	1.597	1.591	1.610	2.51
14)		1,2-Dichlorobe...		1.601	1.567	1.614	1.529	1.529	1.574	1.547	1.566	2.14
15)		Benzyl Alcohol		1.516	1.576	1.616	1.610	1.598	1.662	1.646	1.604	2.99
16)		2,2'-oxybis(1-...		2.124	2.122	2.096	2.048	2.008	2.081	2.013	2.070	2.33
17)		2-Methylphenol		1.229	1.299	1.302	1.293	1.266	1.329	1.299	1.288	2.47
18)		Hexachloroethane		0.645	0.677	0.636	0.639	0.624	0.646	0.645	0.644	2.52
19)	P	n-Nitroso-di-n...	1.474	1.418	1.494	1.469	1.464	1.399	1.472	1.414	1.451	2.39
20)		3+4-Methylphenols		1.649	1.751	1.810	1.787	1.786	1.849	1.839	1.782	3.77
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.616	0.591	0.603	0.599	0.594	0.621	0.607	0.604	1.84
23)	S	Nitrobenzene-d5		0.381	0.406	0.435	0.455	0.463	0.487	0.483	0.444	8.91
24)		Nitrobenzene		0.419	0.431	0.459	0.472	0.479	0.498	0.496	0.465	6.54
25)		Isophorone		0.967	0.955	0.950	0.952	0.935	0.970	0.947	0.954	1.25
26)	C	2-Nitrophenol		0.101	0.111	0.126	0.145	0.156		0.128		18.07
27)		2,4-Dimethylph...		0.231	0.234	0.238	0.238	0.235	0.248	0.246	0.238	2.53
28)		bis(2-Chloroet...		0.525	0.516	0.505	0.511	0.504	0.520	0.501	0.512	1.75
29)	C	2,4-Dichloroph...		0.300	0.305	0.318	0.334	0.334	0.346	0.344	0.326	5.65
30)		1,2,4-Trichlor...		0.389	0.377	0.385	0.384	0.384	0.397	0.394	0.387	1.73
31)		Naphthalene		1.166	1.116	1.122	1.105	1.101	1.137	1.111	1.122	2.01
32)		Benzoic acid			0.148	0.169	0.203	0.220	0.239	0.250	0.205	19.46
33)		4-Chloroaniline		0.456	0.445	0.454	0.452	0.448	0.465	0.457	0.454	1.45
34)	C	Hexachlorobuta...		0.272	0.265	0.272	0.269	0.268	0.279	0.276	0.272	1.69
35)		Caprolactam		0.129	0.127	0.131	0.128	0.126	0.131	0.129	0.129	1.58
36)	C	4-Chloro-3-met...		0.415	0.417	0.427	0.440	0.440	0.463	0.453	0.436	4.15
37)		2-Methylnaphth...		0.824	0.819	0.808	0.801	0.795	0.819	0.806	0.810	1.32
38)		1-Methylnaphth...		0.840	0.794	0.803	0.796	0.782	0.815	0.793	0.804	2.38

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.623	0.632	0.645	0.649	0.651	0.684	0.677	0.652	3.38
41)	P	Hexachlorocycl...	0.251	0.260	0.268	0.278	0.291	0.298	0.295	0.277	6.56
42)	S	2,4,6-Tribromo...	0.222	0.238	0.252	0.263	0.267	0.284	0.287	0.259	9.04
43)	C	2,4,6-Trichlor...	0.348	0.369	0.397	0.412	0.423	0.444	0.442	0.405	8.92
44)		2,4,5-Trichlor...	0.381	0.419	0.442	0.459	0.475	0.499	0.499	0.453	9.49
45)	S	2-Fluorobiphenyl	1.501	1.498	1.504	1.494	1.492	1.547	1.528	1.509	1.36
46)		1,1'-Biphenyl	1.514	1.504	1.538	1.509	1.520	1.570	1.551	1.529	1.60
47)		2-Chloronaphth...	1.208	1.221	1.236	1.222	1.227	1.270	1.259	1.235	1.81
48)		2-Nitroaniline	0.252	0.296	0.346	0.394	0.413	0.439	0.450	0.370	20.21
49)		Acenaphthylene	1.853	1.867	1.889	1.842	1.851	1.917	1.895	1.873	1.47
50)		Dimethylphthalate	1.659	1.643	1.672	1.626	1.626	1.684	1.663	1.653	1.35
51)		2,6-Dinitrotol...	0.226	0.277	0.315	0.343	0.348	0.371	0.370	0.322	16.59
52)	C	Acenaphthene	1.157	1.151	1.160	1.145	1.154	1.185	1.174	1.161	1.21
53)		3-Nitroaniline	0.234	0.273	0.308	0.328	0.338	0.360	0.360	0.314	14.95
54)	P	2,4-Dinitrophenol		0.104	0.114	0.139	0.150	0.169	0.182	0.143	21.19
55)		Dibenzofuran	1.915	1.891	1.909	1.858	1.870	1.928	1.891	1.895	1.31
56)	P	4-Nitrophenol		0.223	0.259	0.272	0.282	0.300	0.305	0.273	10.96
57)		2,4-Dinitrotol...	0.289	0.349	0.417	0.465	0.481	0.510	0.517	0.433	19.81
58)		Fluorene	1.591	1.591	1.592	1.536	1.540	1.603	1.575	1.576	1.71
59)		2,3,4,6-Tetrac...	0.338	0.361	0.395	0.413	0.413	0.432	0.432	0.398	9.03
60)		Diethylphthalate	1.775	1.776	1.773	1.723	1.730	1.802	1.779	1.765	1.60
61)		4-Chlorophenyl...	0.848	0.841	0.842	0.822	0.820	0.860	0.853	0.841	1.80
62)		4-Nitroaniline	0.279	0.307	0.348	0.363	0.374	0.392	0.393	0.351	12.33
63)		Azobenzene	1.805	1.789	1.793	1.755	1.748	1.799	1.764	1.779	1.28
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.059	0.074	0.090	0.099	0.108	0.117	0.091	23.66
66)	c	n-Nitrosodiphe...	0.580	0.577	0.581	0.572	0.585	0.593	0.589	0.582	1.22
67)		4-Bromophenyl-...	0.220	0.222	0.223	0.222	0.225	0.231	0.231	0.225	1.98
68)		Hexachlorobenzene	0.254	0.252	0.253	0.249	0.254	0.264	0.265	0.256	2.44
69)		Atrazine	0.234	0.230	0.228	0.212	0.212	0.212	0.202	0.219	5.59
70)	C	Pentachlorophenol	0.124	0.134	0.153	0.161	0.169	0.177	0.179	0.157	13.59
71)		Phenanthrene	1.067	1.077	1.068	1.041	1.048	1.078	1.074	1.065	1.36
72)		Anthracene	1.063	1.069	1.073	1.051	1.051	1.083	1.077	1.067	1.17
73)		Carbazole	1.030	1.054	1.053	1.008	1.009	1.037	1.034	1.032	1.82
74)		Di-n-butylphth...	1.294	1.306	1.329	1.296	1.309	1.340	1.335	1.316	1.43
75)	C	Fluoranthene	1.394	1.408	1.407	1.339	1.357	1.391	1.393	1.384	1.88
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.372	0.268	0.296	0.351	0.374			0.332	14.32
78)		Pyrene	1.399	1.380	1.423	1.452	1.463	1.519	1.486	1.446	3.38
79)	S	Terphenyl-d14	1.167	1.173	1.189	1.232	1.226	1.292	1.260	1.220	3.81
80)		Butylbenzylpht...	0.524	0.536	0.567	0.602	0.612	0.638	0.635	0.588	7.81
81)		Benzo(a)anthra...	1.441	1.413	1.440	1.407	1.416	1.467	1.457	1.435	1.62
82)		3,3'-Dichlorob...	0.485	0.494	0.506	0.477	0.467	0.491	0.478	0.486	2.63
83)		Chrysene	1.339	1.353	1.356	1.325	1.318	1.380	1.355	1.347	1.55
84)		Bis(2-ethylhex...	0.877	0.874	0.899	0.901	0.921	0.950	0.943	0.909	3.27
85)	c	Di-n-octyl pht...	1.437	1.470	1.547	1.506	1.540	1.594	1.604	1.528	4.02

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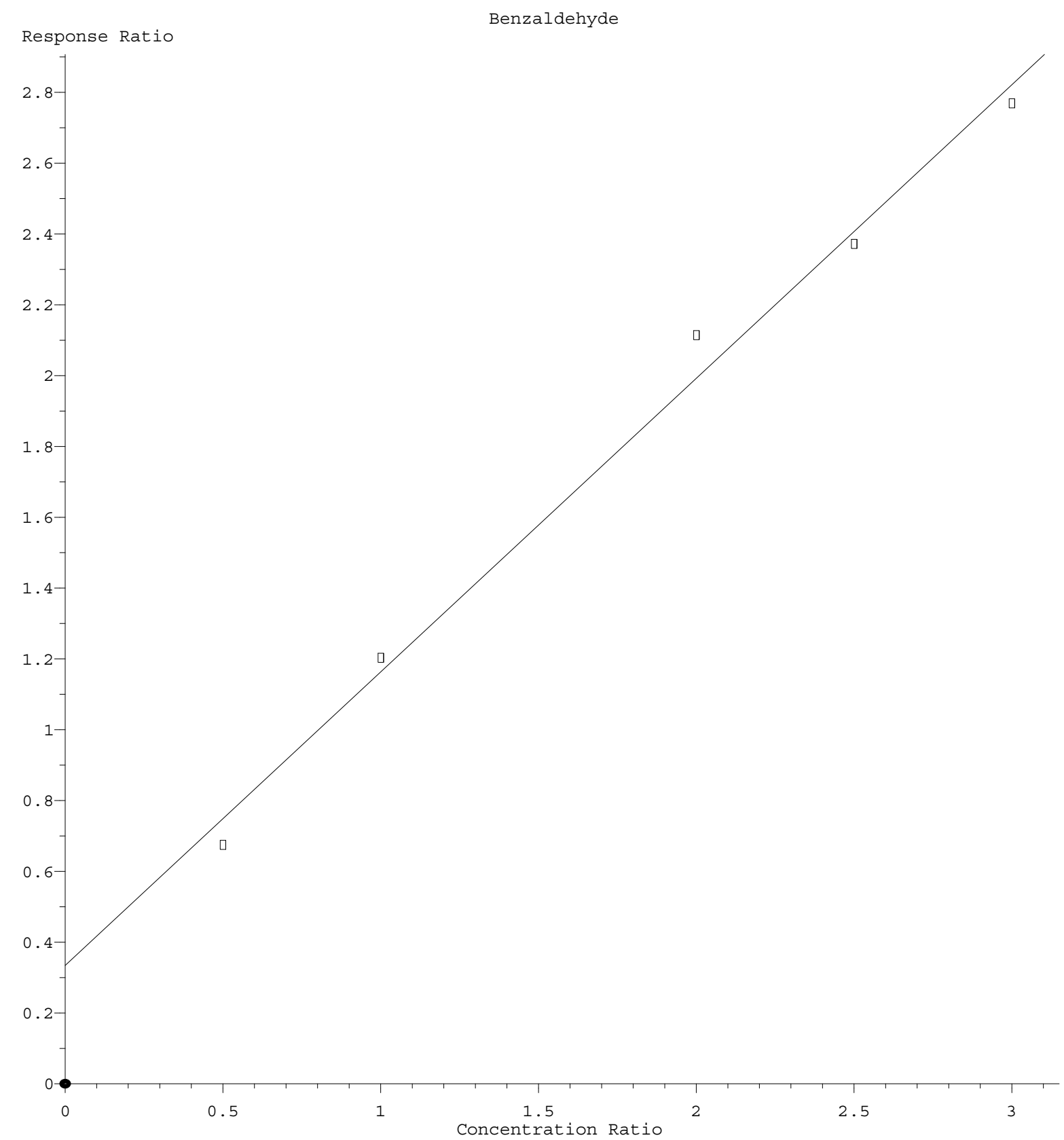
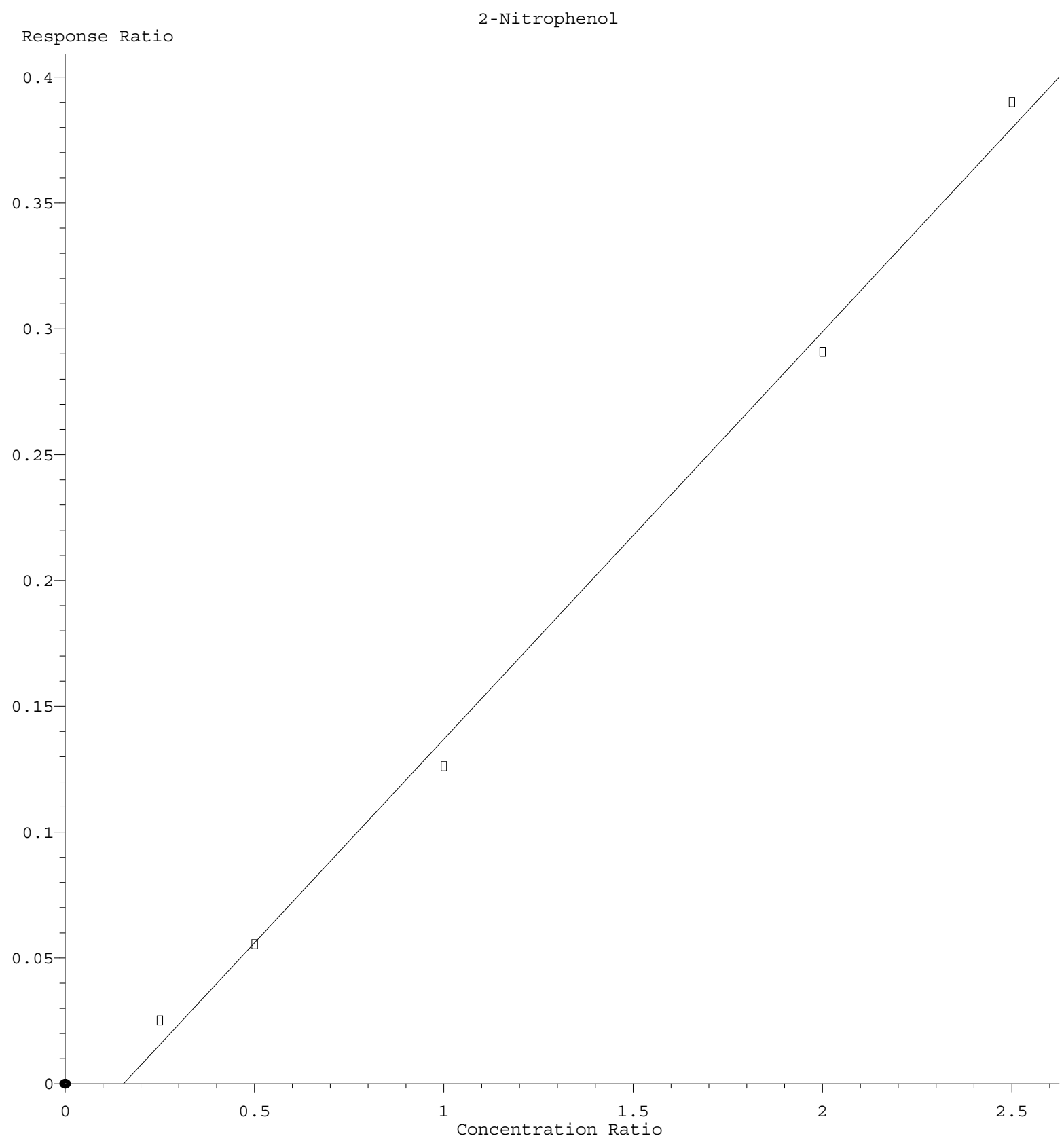
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.400	1.400	1.439	1.195	1.266	1.224	1.251	1.311	7.56
88)		Benzo(b)fluora...	1.290	1.285	1.277	1.340	1.341	1.430	1.406	1.338	4.52
89)		Benzo(k)fluora...	1.191	1.220	1.227	1.279	1.323	1.341	1.330	1.273	4.78
90)	C	Benzo(a)pyrene	1.101	1.115	1.122	1.136	1.159	1.192	1.187	1.144	3.12
91)		Dibenzo(a,h)an...	1.172	1.173	1.185	0.990	1.053	1.023	1.045	1.092	7.53
92)		Benzo(g,h,i)pe...	1.147	1.161	1.179	0.942	0.998	0.952	0.968	1.050	10.23

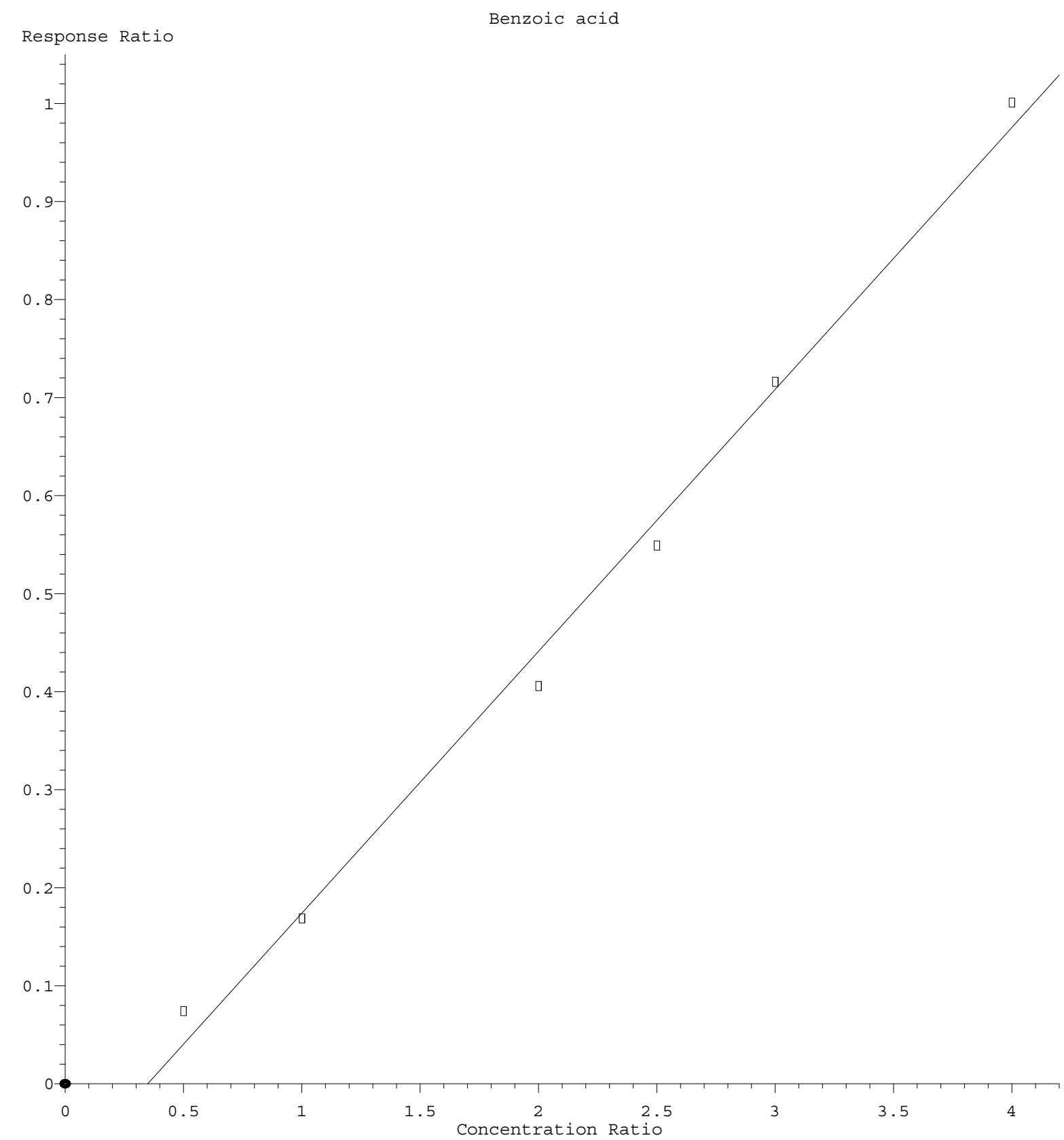
(#) = Out of Range



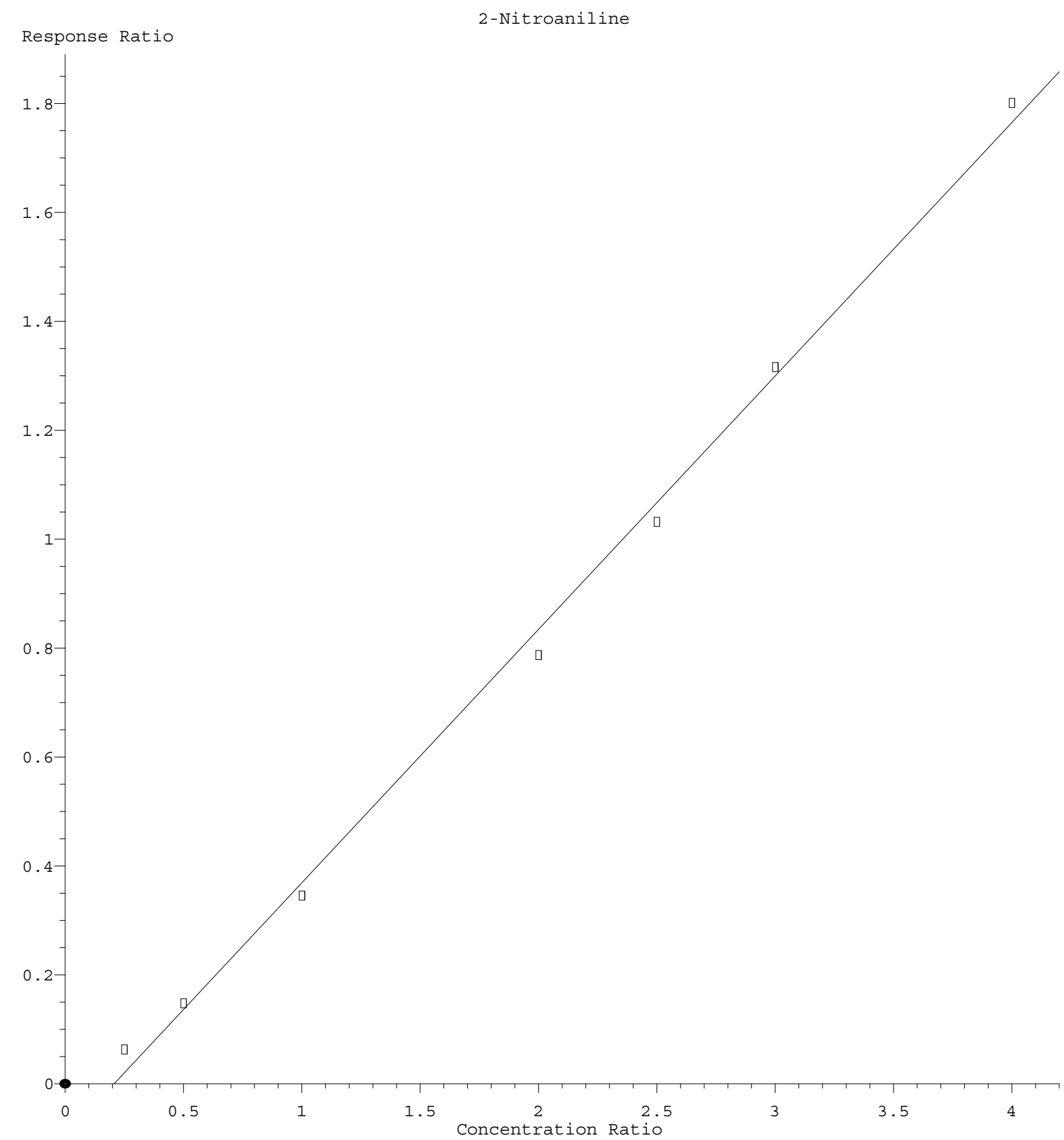
Response = 8.294e-001 * Amt + 3.336e-001
Coef of Det (r^2) = 0.991318 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
Calibration Table Last Updated: Fri Jan 26 23:43:31 2024



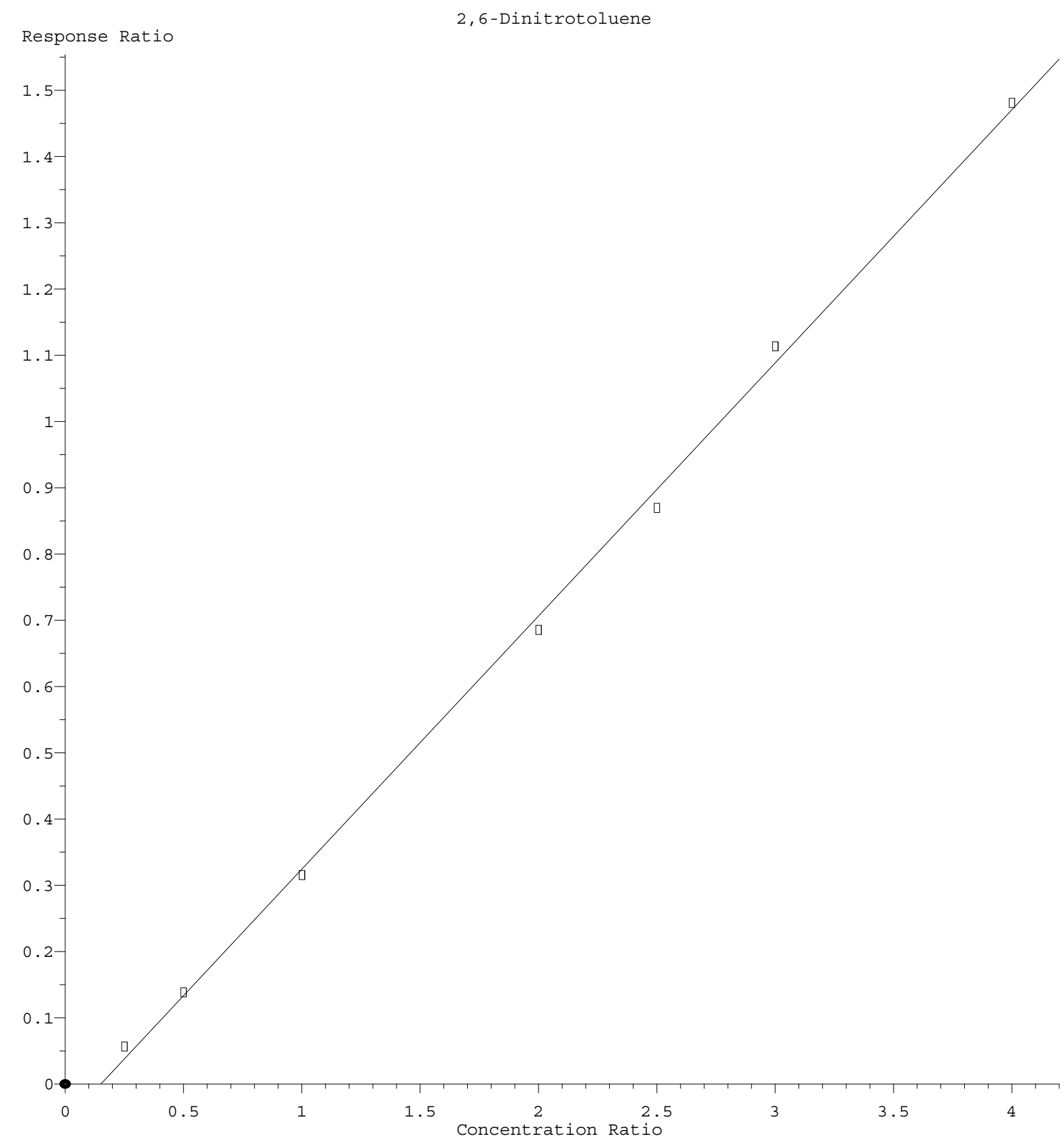
Response = 1.620e-001 * Amt - 2.493e-002
Coef of Det (r^2) = 0.996163 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
Calibration Table Last Updated: Fri Jan 26 23:43:31 2024



Response = 2.672e-001 * Amt - 9.321e-002
Coef of Det (r^2) = 0.993664 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
Calibration Table Last Updated: Fri Jan 26 23:43:31 2024



Response = 4.654e-001 * Amt - 9.643e-002
Coef of Det (r^2) = 0.996972 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
Calibration Table Last Updated: Fri Jan 26 23:43:31 2024



Response = 3.821e-001 * Amt - 5.755e-002
Coef of Det (r^2) = 0.998568 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
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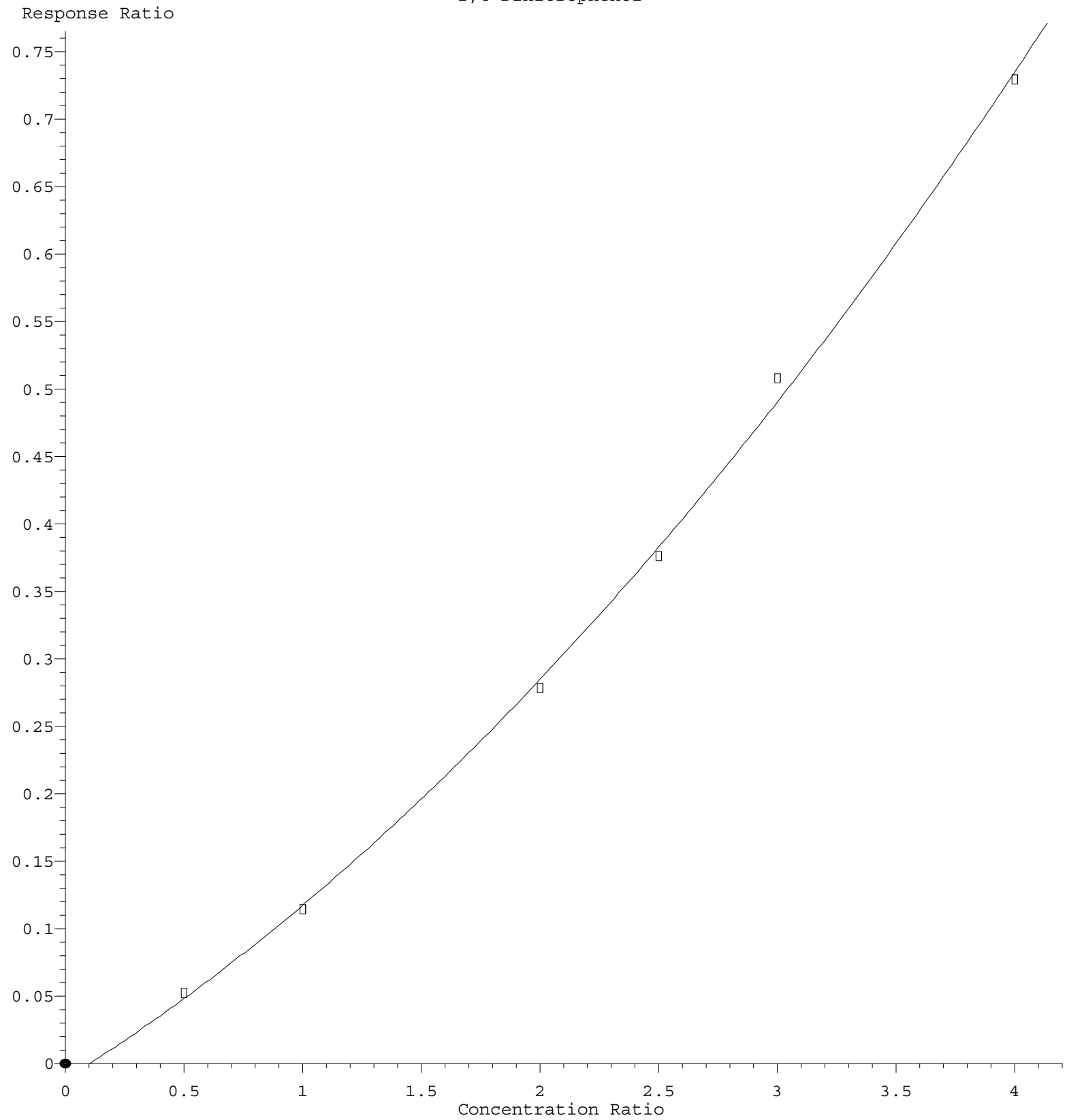
2,4-Dinitrophenol



R = 1.927e-002 A*A + 1.095e-001 A - 1.139e-002
Coef of Det (r^2) = 0.998615 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
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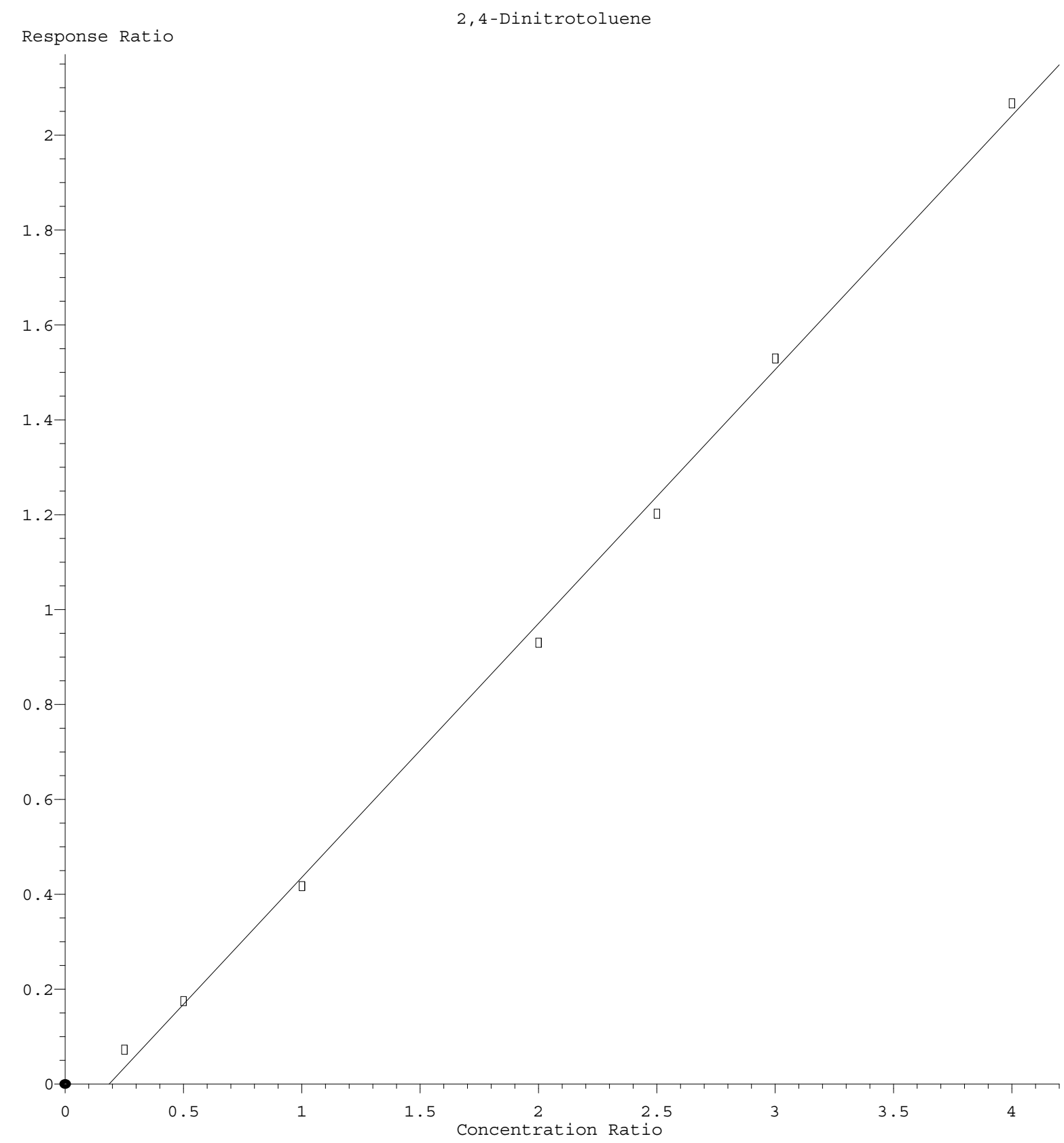
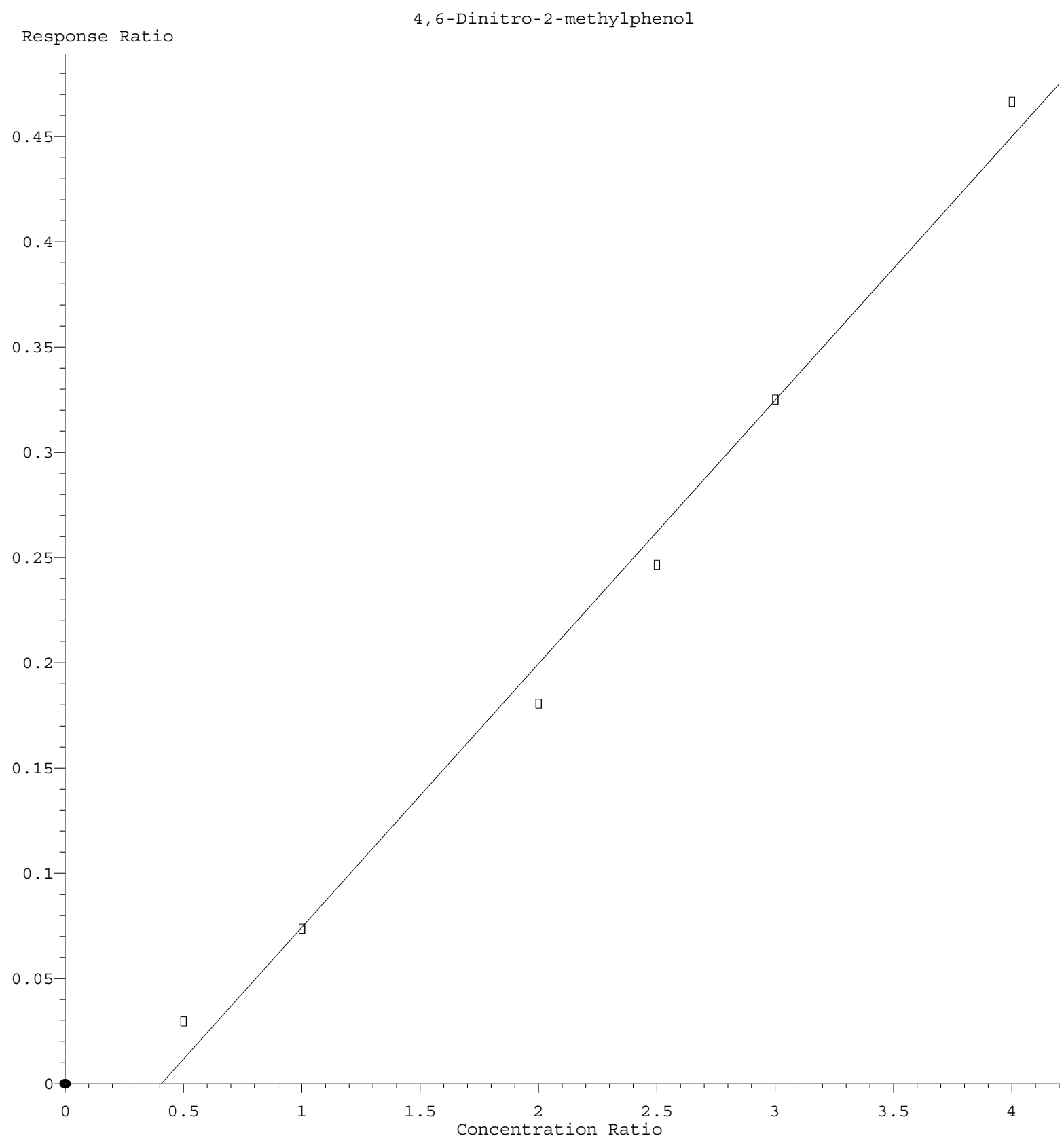


Response = 5.350e-001 * Amt - 9.959e-002
Coef of Det (r^2) = 0.998163 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
Calibration Table Last Updated: Fri Jan 26 23:43:31 2024



Response = 1.251e-001 * Amt - 5.085e-002
Coef of Det (r^2) = 0.990877 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012624.M
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