Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 16 06:35:36 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131233.D 5 =BF131234.D 10 =BF131235.D 20 =BF131236.D 40 =BF131237.D 50 =BF131238.D 60 =BF131239.D 80 =BF1312
40.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.560	0.548	0.529	0.524	0.488	0.492	0.482	0.517	5.96
3)		Pyridine		1.550	1.546	1.546	1.473	1.392	1.387	1.344	1.463	6.01
4)		n-Nitrosodimet...		0.852	0.859	0.880	0.871	0.835	0.844	0.827	0.853	2.24
5)	S	2-Fluorophenol		1.226	1.209	1.214	1.127	1.058	1.055	1.018	1.129	7.74
6)		Aniline		1.845	1.893	1.883	1.813	1.699	1.722	1.706	1.794	4.70
7)	S	Phenol-d6		1.556	1.534	1.524	1.425	1.346	1.339	1.290	1.431	7.58
8)		2-Chlorophenol		1.371	1.366	1.366	1.259	1.189	1.197	1.138	1.270	7.75
9)		Benzaldehyde		1.190	1.153	1.081	0.919	0.845			1.038	14.43
10)	C	Phenol		1.745	1.736	1.707	1.589	1.491	1.489	1.446	1.600	8.02
11)		bis(2-Chloroet...		1.359	1.371	1.315	1.240	1.179	1.172	1.136	1.253	7.63
12)		1,3-Dichlorobe...		1.578	1.531	1.559	1.428	1.340	1.339	1.279	1.436	8.41
13)	C	1,4-Dichlorobe...		1.584	1.570	1.559	1.443	1.366	1.351	1.296	1.453	8.18
14)		1,2-Dichlorobe...		1.492	1.479	1.466	1.327	1.233	1.232	1.170	1.343	10.11
15)		Benzyl Alcohol		1.289	1.303	1.308	1.270	1.183	1.198	1.147	1.243	5.25
16)		2,2'-oxybis(1-...		2.543	2.555	2.524	2.382	2.214	2.192	2.112	2.360	7.93
17)		2-Methylphenol		1.175	1.135	1.161	1.090	1.030	1.022	0.974	1.084	7.11
18)		Hexachloroethane		0.539	0.554	0.560	0.529	0.508	0.510	0.495	0.528	4.66
19)	P	n-Nitroso-di-n...	1.072	1.090	1.047	1.052	0.983	0.915	0.929	0.887	0.997	7.89
20)		3+4-Methylphenols		1.520	1.546	1.501	1.416	1.298	1.302	1.231	1.402	8.96
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.563	0.556	0.537	0.502	0.496	0.502	0.494	0.521	5.71
23)	S	Nitrobenzene-d5		0.277	0.324	0.359	0.371	0.378	0.393	0.392	0.356	11.92
24)		Nitrobenzene		0.323	0.360	0.387	0.397	0.400	0.413	0.413	0.385	8.45
25)		Isophorone		0.727	0.727	0.726	0.696	0.689	0.711	0.707	0.712	2.19
26)	C	2-Nitrophenol		0.080	0.101	0.122	0.143	0.150	0.161	0.163	0.131	24.01
27)		2,4-Dimethylph...		0.291	0.312	0.296	0.289	0.282	0.287	0.282	0.291	3.64
28)		bis(2-Chloroet...		0.422	0.423	0.417	0.390	0.383	0.390	0.385	0.401	4.51
29)	C	2,4-Dichloroph...		0.310	0.319	0.328	0.314	0.308	0.317	0.310	0.315	2.23
30)		1,2,4-Trichlor...		0.388	0.391	0.386	0.361	0.351	0.358	0.350	0.369	4.98
31)		Naphthalene		1.162	1.140	1.135	1.056	1.033	1.036	1.024	1.084	5.49
32)		Benzoic acid			0.131	0.159	0.192	0.205	0.227		0.183	20.64
33)		4-Chloroaniline		0.433	0.451	0.444	0.413	0.415	0.418	0.412	0.427	3.70
34)	C	Hexachlorobuta...		0.240	0.241	0.243	0.233	0.225	0.231	0.224	0.234	3.24
35)		Caprolactam		0.094	0.092	0.094	0.092	0.092	0.094	0.094	0.093	1.23
36)	C	4-Chloro-3-met...		0.328	0.336	0.344	0.325	0.328	0.331	0.329	0.332	1.98
37)		2-Methylnaphth...		0.773	0.779	0.755	0.695	0.681	0.695	0.673	0.722	6.33
38)		1-Methylnaphth...		0.770	0.745	0.728	0.680	0.657	0.663	0.655	0.700	6.74

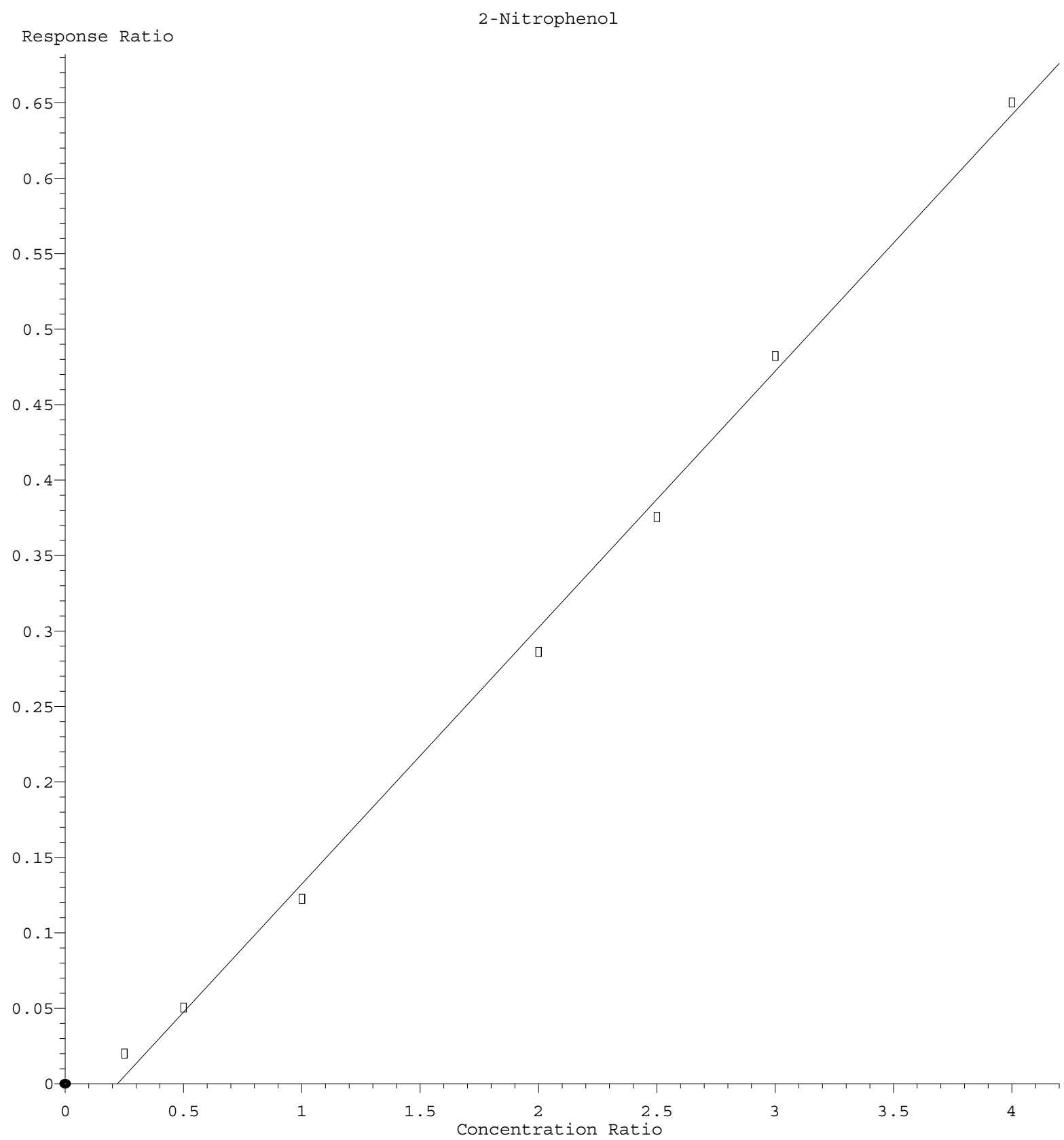
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111522.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.679	0.684	0.676	0.634	0.606	0.625	0.604	0.644	5.46
41)	P	Hexachlorocycl...	0.280	0.308	0.335	0.349	0.336	0.354	0.348	0.330	8.14
42)	S	2,4,6-Tribromo...	0.174	0.190	0.203	0.196	0.182	0.198	0.194	0.191	5.14
43)	C	2,4,6-Trichlor...	0.404	0.416	0.434	0.435	0.416	0.426	0.415	0.421	2.71
44)		2,4,5-Trichlor...	0.440	0.444	0.473	0.452	0.440	0.460	0.455	0.452	2.65
45)	S	2-Fluorobiphenyl	1.538	1.501	1.454	1.311	1.256	1.285	1.221	1.367	9.37
46)		1,1'-Biphenyl	1.687	1.638	1.624	1.506	1.429	1.471	1.408	1.537	7.21
47)		2-Chloronaphth...	1.336	1.316	1.325	1.212	1.168	1.195	1.166	1.245	6.17
48)		2-Nitroaniline	0.212	0.260	0.336	0.378	0.390	0.413	0.420	0.344	23.25
49)		Acenaphthylene	2.023	1.989	2.002	1.885	1.801	1.842	1.771	1.902	5.40
50)		Dimethylphthalate	1.520	1.491	1.501	1.414	1.359	1.387	1.354	1.432	4.91
51)		2,6-Dinitrotol...	0.166	0.200	0.252	0.277	0.272	0.293	0.288	0.250	19.41
52)	C	Acenaphthene	1.267	1.230	1.240	1.169	1.124	1.162	1.118	1.187	4.96
53)		3-Nitroaniline	0.183	0.227	0.277	0.292	0.292	0.310	0.308	0.270	17.60
54)	P	2,4-Dinitrophenol		0.051	0.073	0.094	0.105	0.120	0.126	0.095	30.18
55)		Dibenzofuran	1.842	1.792	1.798	1.661	1.596	1.636	1.582	1.701	6.28
56)	P	4-Nitrophenol		0.177	0.222	0.229	0.237	0.245	0.242	0.225	11.13
57)		2,4-Dinitrotol...	0.166	0.220	0.289	0.333	0.340	0.360	0.367	0.296	25.84
58)		Fluorene	1.488	1.431	1.413	1.304	1.241	1.267	1.224	1.338	7.79
59)		2,3,4,6-Tetrac...	0.360	0.379	0.399	0.396	0.380	0.386	0.381	0.383	3.40
60)		Diethylphthalate	1.408	1.390	1.416	1.342	1.288	1.332	1.300	1.354	3.82
61)		4-Chlorophenyl...	0.719	0.698	0.707	0.656	0.621	0.626	0.606	0.662	6.96
62)		4-Nitroaniline	0.180	0.229	0.267	0.289	0.288	0.303	0.307	0.266	17.30
63)		Azobenzene	1.477	1.452	1.497	1.403	1.353	1.384	1.355	1.417	4.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.044	0.062	0.082	0.086	0.096	0.099	0.078	27.39
66)	c	n-Nitrosodiphe...	0.686	0.670	0.660	0.623	0.603	0.612	0.594	0.635	5.70
67)		4-Bromophenyl-...	0.249	0.249	0.245	0.236	0.218	0.227	0.221	0.235	5.56
68)		Hexachlorobenzene	0.271	0.264	0.262	0.253	0.239	0.247	0.245	0.254	4.61
69)		Atrazine	0.216	0.219	0.218	0.208	0.200	0.201	0.197	0.208	4.41
70)	C	Pentachlorophenol	0.123	0.137	0.153	0.156	0.154	0.160	0.158	0.149	9.28
71)		Phenanthrene	1.201	1.194	1.153	1.078	1.038	1.044	1.018	1.104	7.03
72)		Anthracene	1.154	1.163	1.118	1.066	1.017	1.023	1.006	1.078	6.17
73)		Carbazole	1.028	1.021	1.008	0.956	0.912	0.930	0.901	0.965	5.54
74)		Di-n-butylphth...	1.150	1.181	1.174	1.135	1.063	1.089	1.071	1.123	4.34
75)	C	Fluoranthene	1.309	1.308	1.286	1.201	1.141	1.163	1.113	1.217	6.83
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.469	0.398	0.460	0.408	0.416	0.421	0.429	6.72
78)		Pyrene	1.639	1.648	1.695	1.738	1.736	1.795	1.817	1.724	3.95
79)	S	Terphenyl-d14	1.144	1.152	1.157	1.168	1.152	1.200	1.180	1.165	1.68
80)		Butylbenzylpht...	0.466	0.530	0.586	0.621	0.607	0.635	0.644	0.584	11.01
81)		Benzo(a)anthra...	1.456	1.432	1.419	1.379	1.308	1.376	1.361	1.390	3.57
82)		3,3'-Dichlorob...	0.406	0.437	0.428	0.414	0.383	0.397	0.382	0.407	5.21
83)		Chrysene	1.402	1.406	1.395	1.355	1.270	1.328	1.322	1.354	3.74
84)		Bis(2-ethylhex...	0.680	0.733	0.734	0.759	0.724	0.753	0.761	0.735	3.83
85)	c	Di-n-octyl pht...	0.955	1.047	1.052	1.051	1.009	1.073	1.082	1.038	4.18

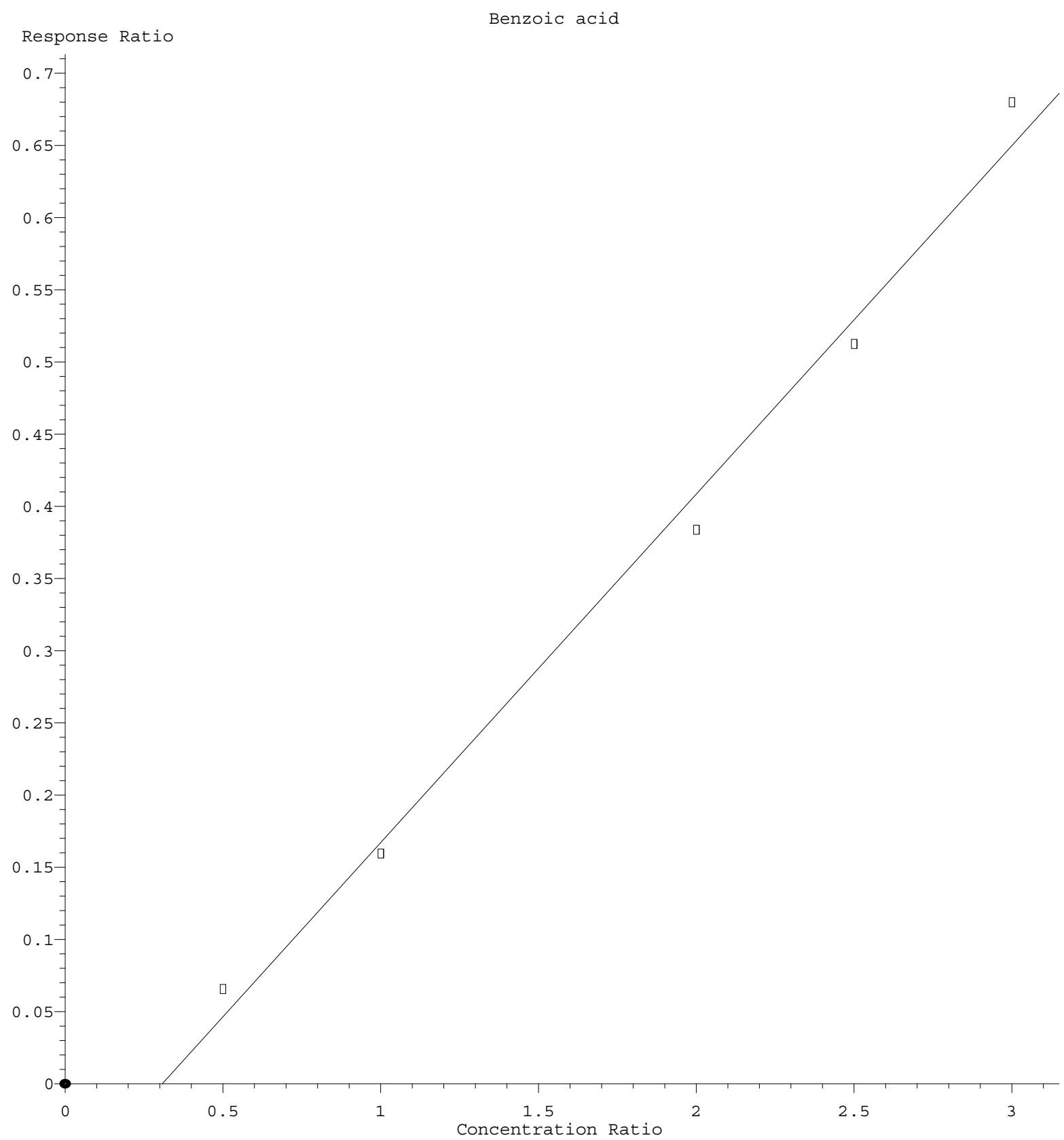
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111522.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.039	1.093	1.260	1.401	1.426	1.497	1.533	1.321	14.77
88)		Benzo(b)fluora...	1.351	1.485	1.450	1.408	1.325	1.372	1.384	1.396	4.00
89)		Benzo(k)fluora...	1.411	1.423	1.502	1.352	1.342	1.377	1.284	1.384	5.02
90)	C	Benzo(a)pyrene	1.087	1.107	1.134	1.129	1.102	1.137	1.119	1.116	1.67
91)		Dibenzo(a,h)an...	0.851	0.900	1.046	1.150	1.179	1.219	1.243	1.084	14.44
92)		Benzo(g,h,i)pe...	0.837	0.859	1.032	1.160	1.172	1.240	1.272	1.082	16.33

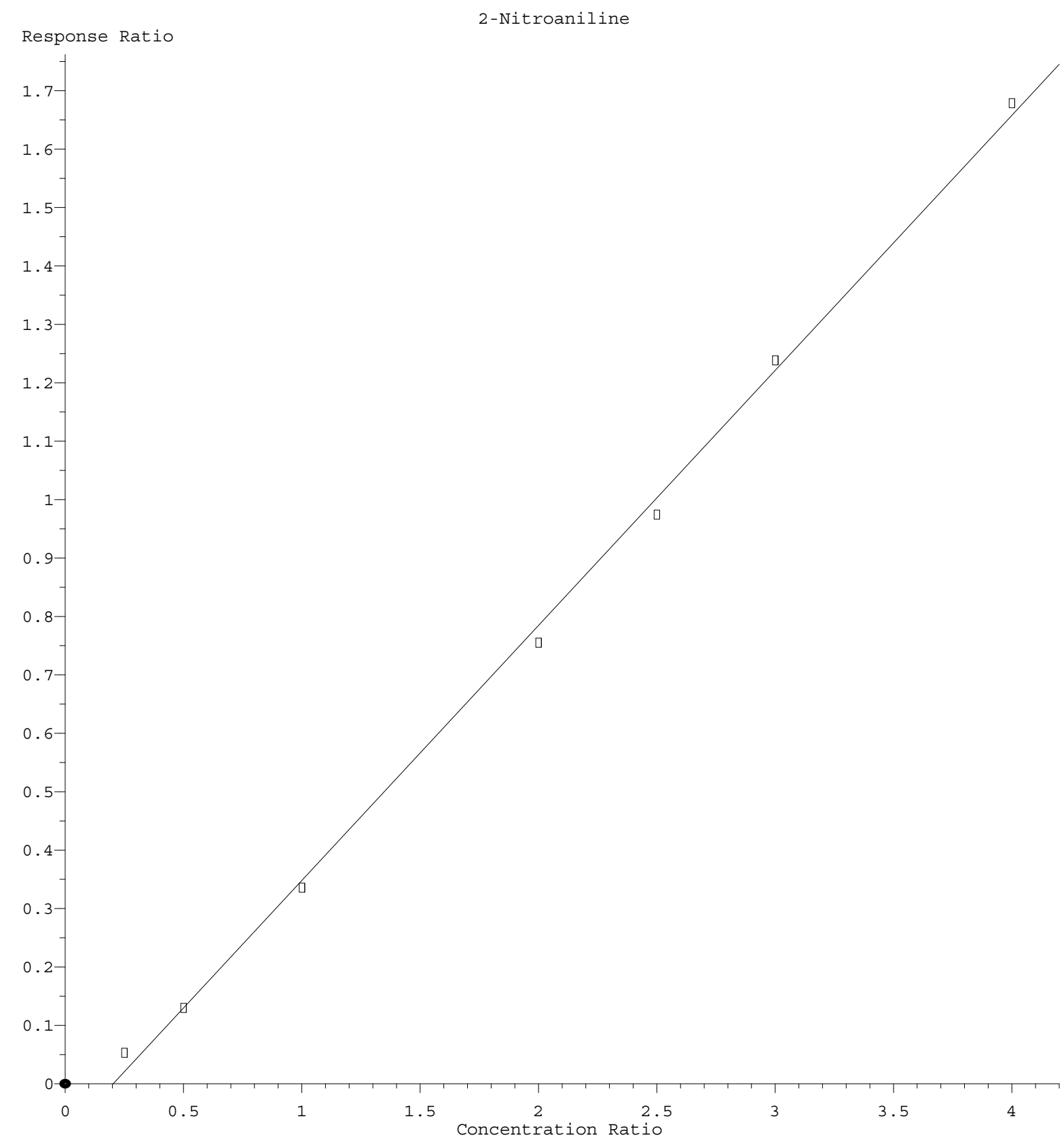
(#) = Out of Range



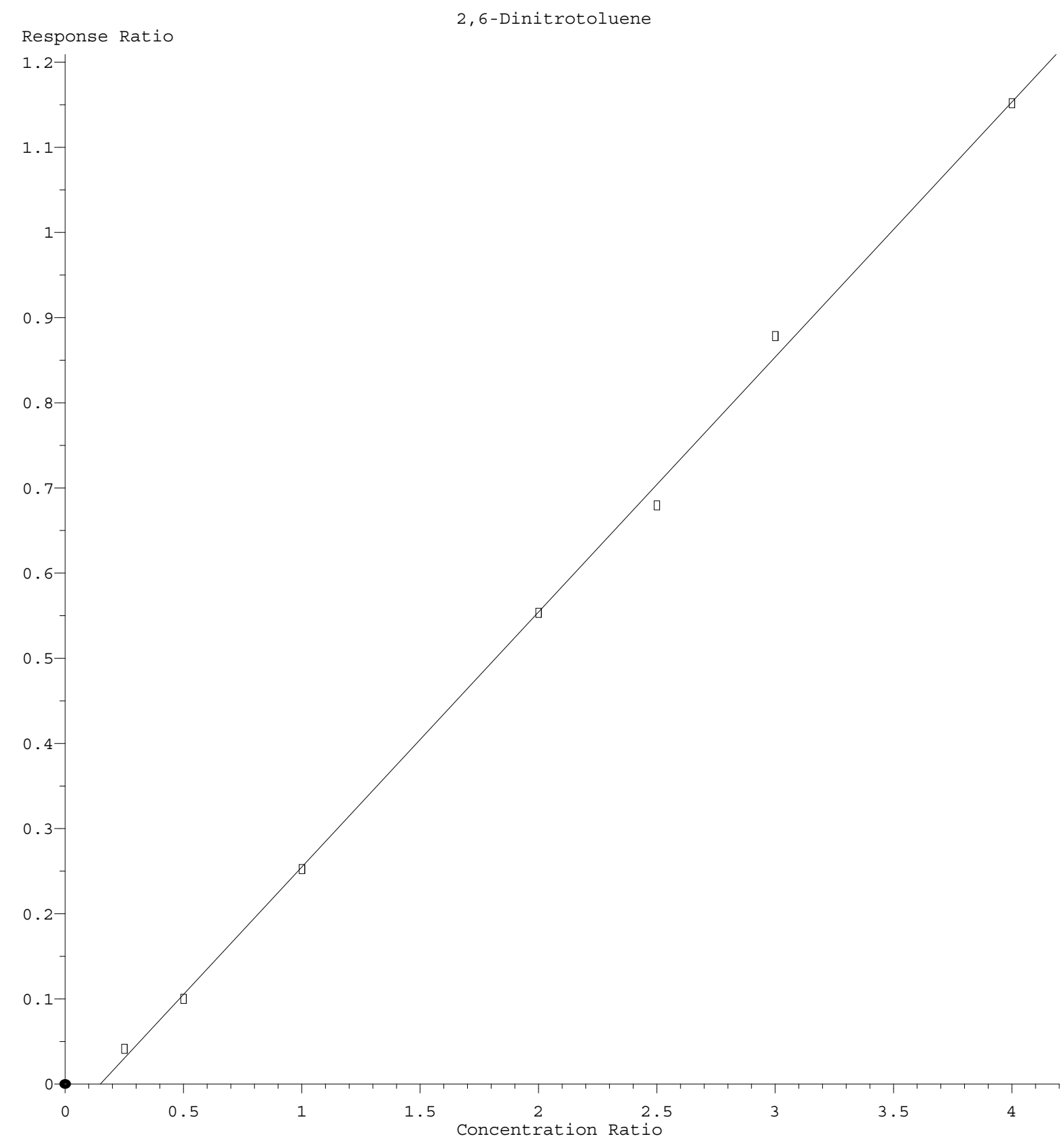
Response = 1.698e-001 * Amt - 3.762e-002
Coef of Det (r^2) = 0.997295 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022



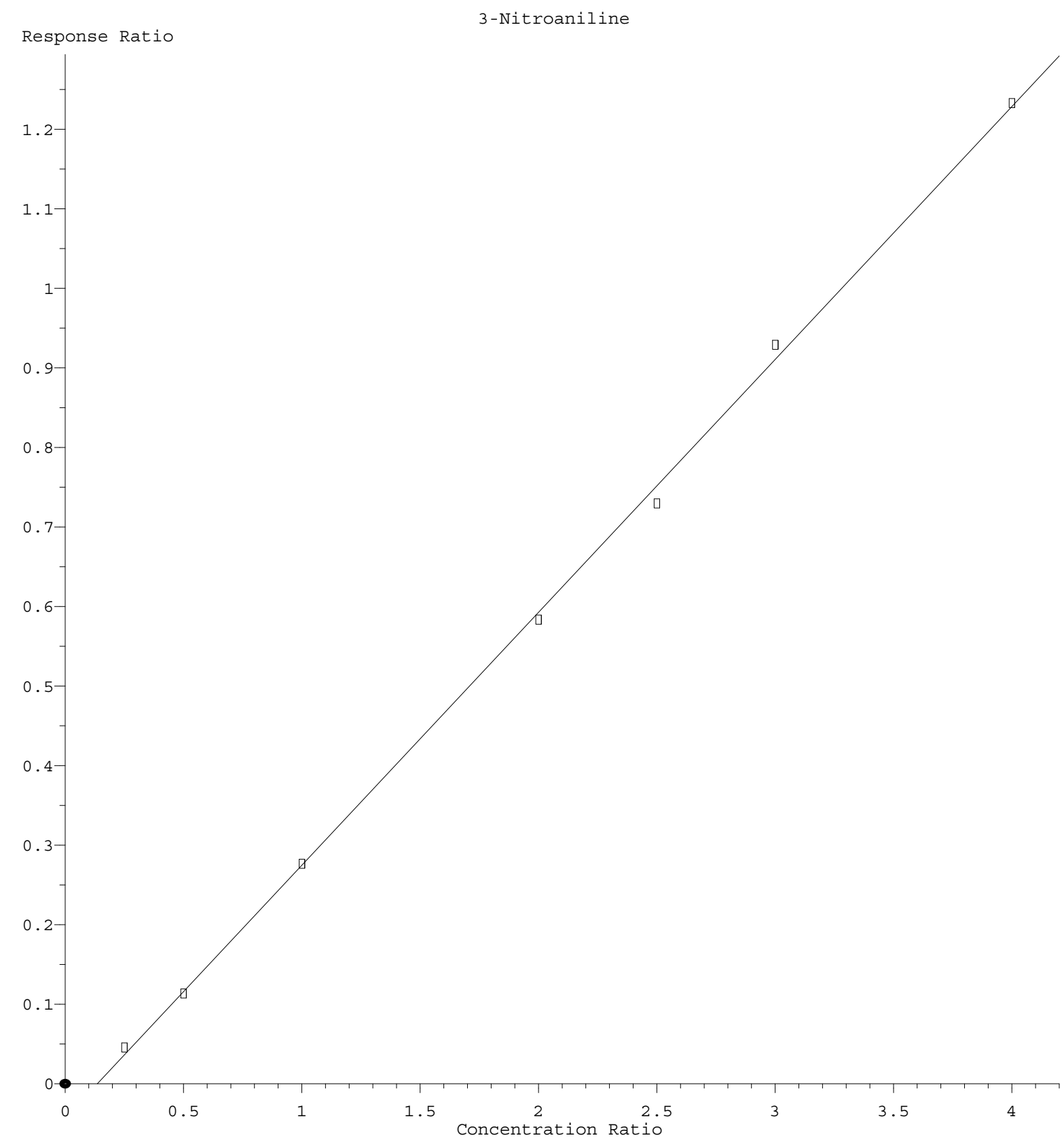
Response = 2.415e-001 * Amt - 7.445e-002
Coef of Det (r^2) = 0.991222 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022



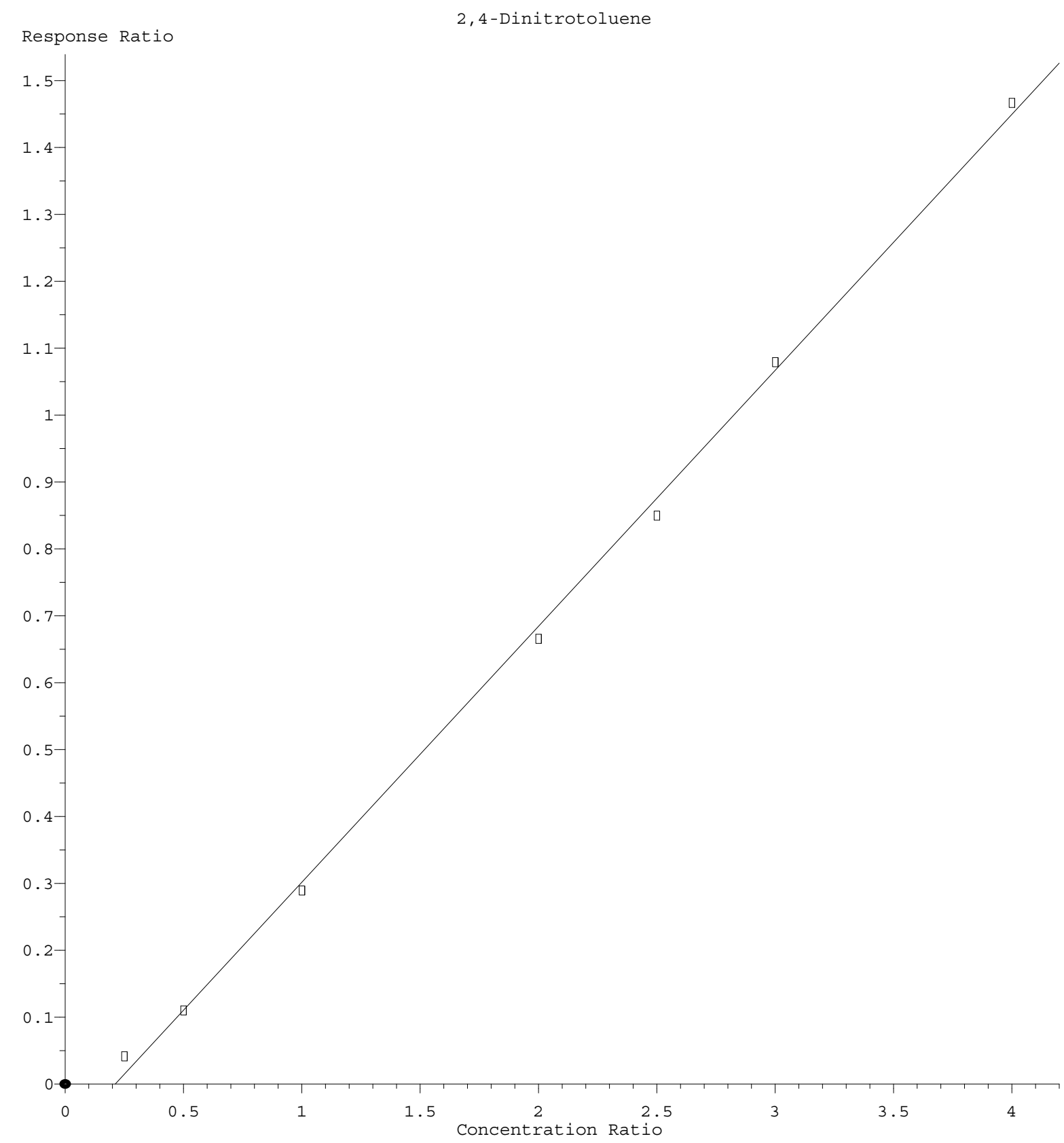
Response = 4.366e-001 * Amt - 8.857e-002
Coef of Det (r^2) = 0.998351 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022



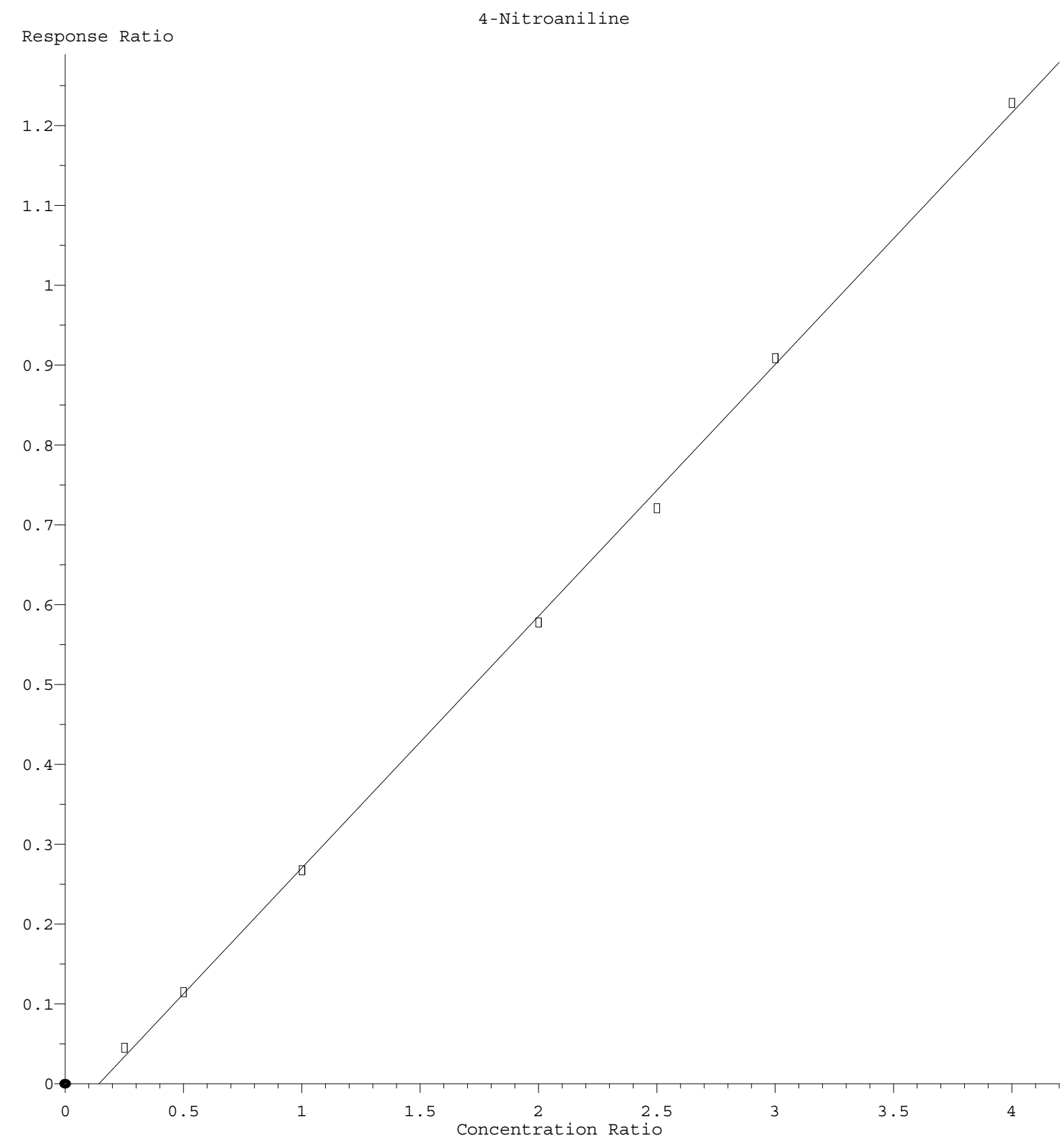
Response = 2.995e-001 * Amt - 4.447e-002
Coef of Det (r^2) = 0.998679 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022



Response = 3.180e-001 * Amt - 4.336e-002
Coef of Det (r^2) = 0.999121 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022

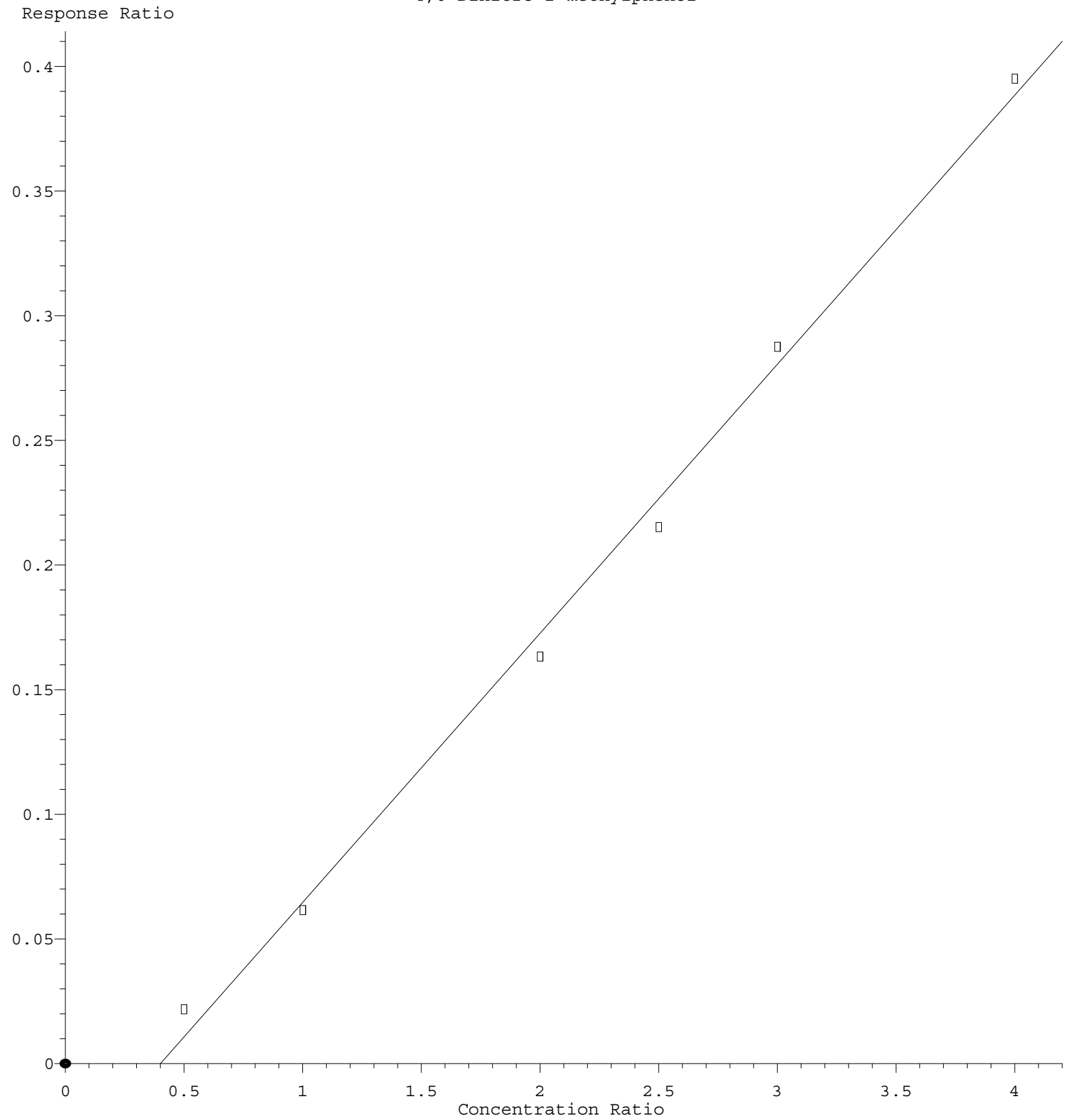


Response = 3.825e-001 * Amt - 8.106e-002
Coef of Det (r^2) = 0.998620 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022

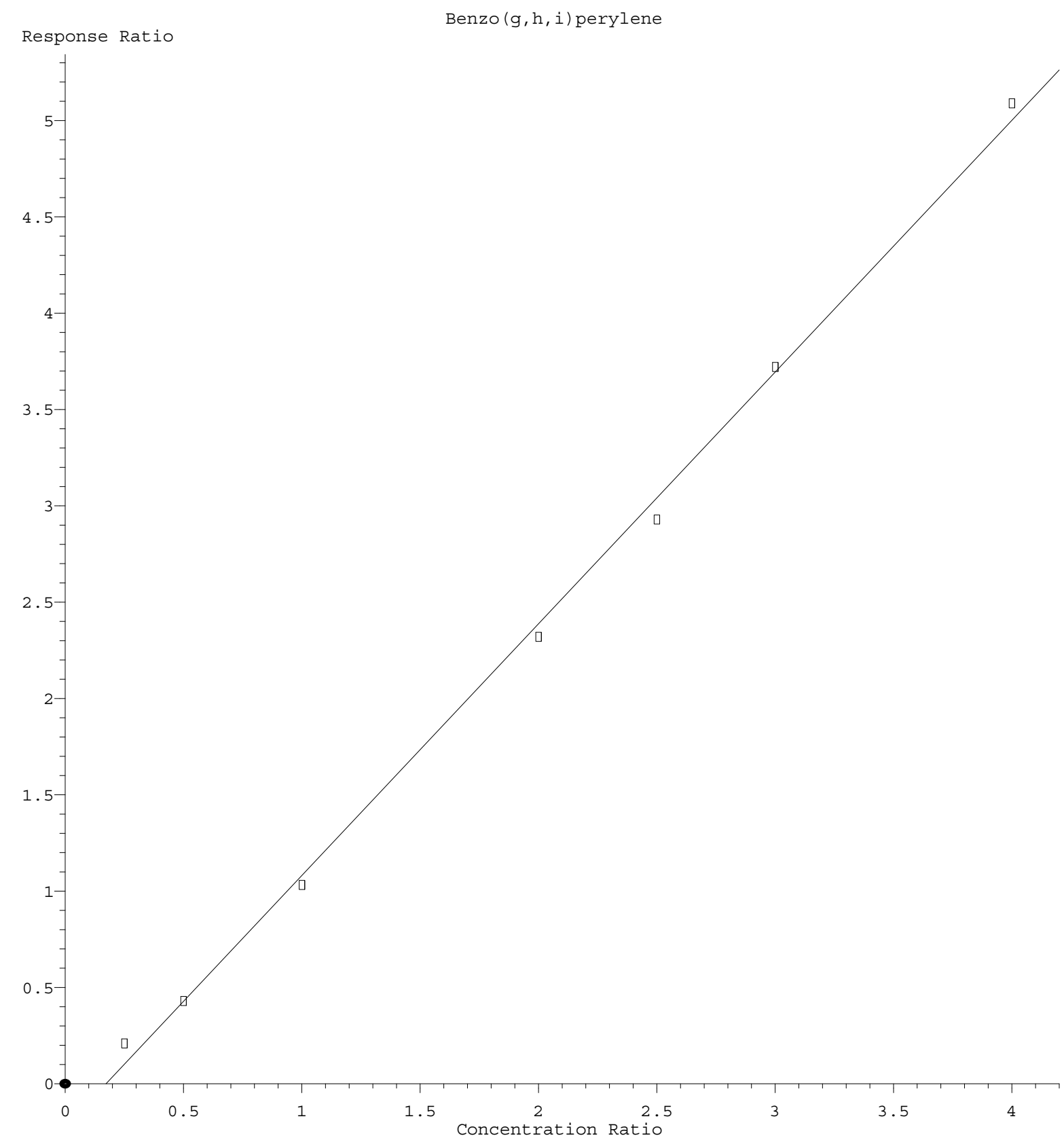


Response = 3.153e-001 * Amt - 4.512e-002
Coef of Det (r^2) = 0.999201 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022

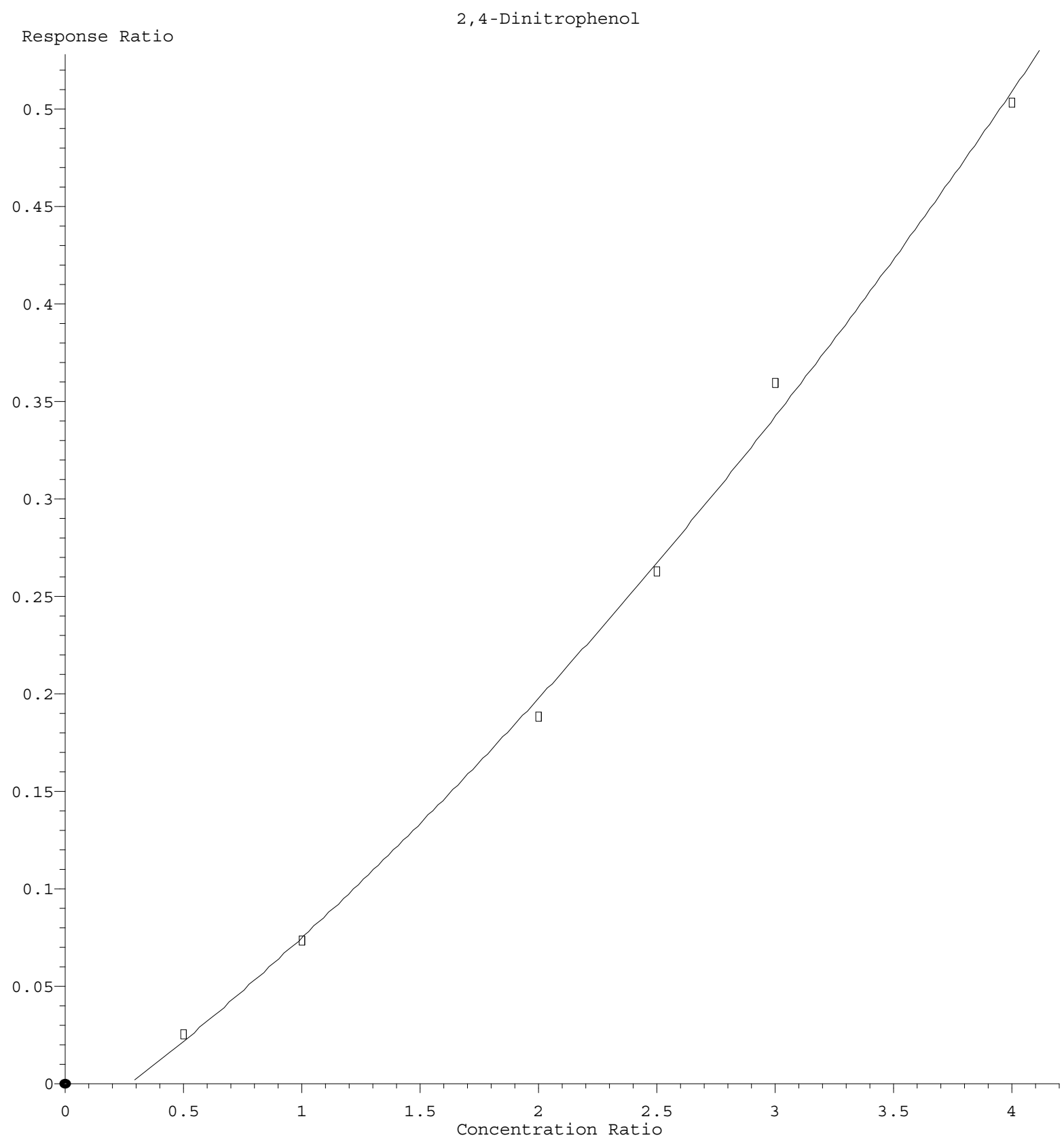
4,6-Dinitro-2-methylphenol



Response = 1.080e-001 * Amt - 4.330e-002
Coef of Det (r^2) = 0.995484 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022



Response = 1.307e+000 * Amt - 2.267e-001
Coef of Det (r^2) = 0.997975 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022



R = 1.100e-002 A*A + 8.966e-002 A - 2.574e-002
Coef of Det (r^2) = 0.997201 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111522.M
Calibration Table Last Updated: Wed Nov 16 06:35:36 2022