Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu May 30 03:41:03 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP020469.D 5 =BP020470.D 10 =BP020471.D 20 =BP020472.D 40 =BP020473.D 50 =BP020474.D 60 =BP020475.D 80 =BP0204
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.471	0.464	0.466	0.444	0.433	0.462	0.419	0.451	4.36
3)		Pyridine		1.188	1.265	1.330	1.291	1.266	1.303	1.239	1.269	3.64
4)		n-Nitrosodimet...		0.619	0.620	0.638	0.626	0.607	0.617	0.588	0.616	2.56
5)	S	2-Fluorophenol		1.090	1.121	1.167	1.131	1.104	1.129	1.077	1.117	2.66
6)		Aniline		1.547	1.568	1.680	1.633	1.585	1.649	1.514	1.596	3.73
7)	S	Phenol-d6		1.561	1.575	1.656	1.600	1.551	1.591	1.493	1.575	3.16
8)		2-Chlorophenol		1.251	1.246	1.313	1.269	1.224	1.270	1.194	1.252	3.01
9)		Benzaldehyde		1.159	1.123	1.066	0.890	0.814			1.010	14.92
10)	C	Phenol		1.604	1.600	1.701	1.638	1.584	1.629	1.539	1.614	3.12
11)		bis(2-Chloroet...		1.362	1.367	1.409	1.347	1.270	1.327	1.233	1.331	4.52
12)		1,3-Dichlorobe...		1.533	1.526	1.546	1.473	1.425	1.449	1.375	1.475	4.31
13)	C	1,4-Dichlorobe...		1.568	1.534	1.578	1.504	1.433	1.478	1.401	1.499	4.44
14)		1,2-Dichlorobe...		1.540	1.497	1.518	1.455	1.385	1.404	1.329	1.447	5.35
15)		Benzyl Alcohol		1.116	1.128	1.225	1.197	1.156	1.203	1.121	1.164	3.82
16)		2,2'-oxybis(1-...		2.111	2.109	2.141	1.991	1.862	1.930	1.763	1.987	7.22
17)		2-Methylphenol		1.061	1.091	1.171	1.122	1.073	1.108	1.038	1.095	4.01
18)		Hexachloroethane		0.563	0.553	0.575	0.552	0.534	0.537	0.518	0.548	3.52
19)	P	n-Nitroso-di-n...	1.014	1.121	1.126	1.174	1.108	1.031	1.062	0.967	1.075	6.39
20)		3+4-Methylphenols		1.398	1.442	1.589	1.535	1.476	1.538	1.447	1.489	4.51
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.523	0.512	0.520	0.495	0.478	0.488	0.459	0.496	4.75
23)	S	Nitrobenzene-d5		0.355	0.363	0.379	0.371	0.362	0.372	0.354	0.365	2.56
24)		Nitrobenzene		0.375	0.368	0.390	0.372	0.363	0.372	0.356	0.371	2.86
25)		Isophorone		0.702	0.710	0.744	0.716	0.698	0.720	0.679	0.710	2.88
26)	C	2-Nitrophenol		0.084	0.098	0.122	0.139	0.144	0.153	0.152	0.128	21.40
27)		2,4-Dimethylph...		0.209	0.214	0.223	0.220	0.213	0.218	0.205	0.214	2.93
28)		bis(2-Chloroet...		0.456	0.442	0.460	0.435	0.423	0.433	0.405	0.436	4.33
29)	C	2,4-Dichloroph...		0.259	0.276	0.299	0.295	0.292	0.301	0.291	0.288	5.19
30)		1,2,4-Trichlor...		0.350	0.345	0.353	0.340	0.330	0.345	0.328	0.342	2.78
31)		Naphthalene		1.077	1.048	1.070	1.013	0.986	1.007	0.956	1.022	4.38
32)		Benzoic acid			0.120	0.153	0.183	0.193	0.222	0.219	0.181	21.71
33)		4-Chloroaniline		0.395	0.397	0.414	0.398	0.385	0.402	0.378	0.396	2.98
34)	C	Hexachlorobuta...		0.218	0.220	0.218	0.213	0.209	0.217	0.211	0.215	1.94
35)		Caprolactam		0.091	0.104	0.109	0.109	0.108	0.111	0.106	0.105	6.60
36)	C	4-Chloro-3-met...		0.306	0.322	0.347	0.341	0.336	0.375	0.331	0.337	6.37
37)		2-Methylnaphth...		0.752	0.738	0.754	0.723	0.693	0.798	0.669	0.733	5.82
38)		1-Methylnaphth...		0.755	0.735	0.750	0.707	0.691	0.775	0.671	0.726	5.19

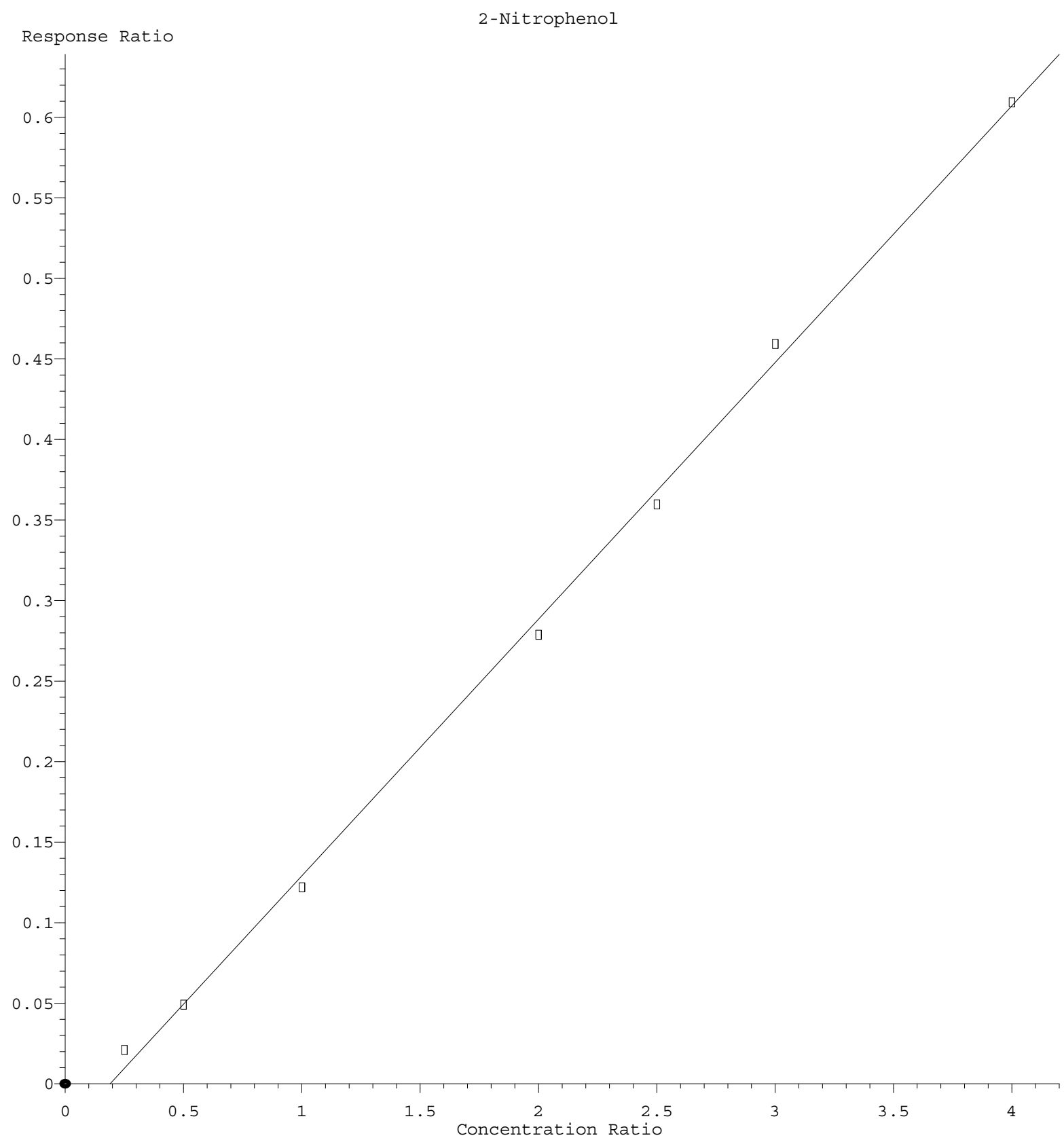
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052924.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.576	0.573	0.601	0.575	0.563	0.611	0.551	0.579	3.65
41)	P	Hexachlorocycl...	0.176	0.181	0.204	0.210	0.209	0.232	0.212	0.203	9.51
42)	S	2,4,6-Tribromo...	0.177	0.195	0.214	0.220	0.227	0.212		0.208	8.82
43)	C	2,4,6-Trichlor...	0.283	0.311	0.365	0.364	0.366	0.392	0.368	0.350	10.94
44)		2,4,5-Trichlor...	0.351	0.375	0.418	0.420	0.411	0.439	0.410	0.404	7.42
45)	S	2-Fluorobiphenyl	1.455	1.393	1.455	1.312	1.270	1.317	1.190	1.342	7.33
46)		1,1'-Biphenyl	1.505	1.437	1.486	1.414	1.355	1.390	1.293	1.411	5.23
47)		2-Chloronaphth...	1.179	1.134	1.205	1.122	1.075	1.112	1.029	1.122	5.32
48)		2-Nitroaniline	0.242	0.274	0.322	0.322	0.327	0.319	0.322	0.304	10.84
49)		Acenaphthylene	1.722	1.670	1.779	1.647	1.627	1.652	1.558	1.665	4.24
50)		Dimethylphthalate	1.466	1.430	1.495	1.393	1.388	1.393	1.304	1.410	4.39
51)		2,6-Dinitrotol...	0.253	0.285	0.319	0.312	0.309	0.323	0.309	0.301	8.15
52)	C	Acenaphthene	1.112	1.068	1.116	1.026	1.027	1.021	0.982	1.050	4.78
53)		3-Nitroaniline	0.257	0.290	0.321	0.314	0.315	0.316	0.304	0.302	7.48
54)	P	2,4-Dinitrophenol		0.063	0.083	0.101	0.113	0.131	0.134	0.104	26.55
55)		Dibenzofuran	1.781	1.709	1.779	1.643	1.590	1.631	1.513	1.664	5.96
56)	P	4-Nitrophenol	0.167	0.210	0.245	0.242	0.257	0.261	0.255	0.234	14.61
57)		2,4-Dinitrotol...	0.296	0.351	0.416	0.416	0.425	0.444	0.423	0.396	13.34
58)		Fluorene	1.455	1.413	1.441	1.299	1.268	1.139	1.334	1.336	8.42
59)		2,3,4,6-Tetrac...	0.288	0.314	0.352	0.348	0.346	0.320	0.345	0.330	7.19
60)		Diethylphthalate	1.488	1.479	1.559	1.424	1.424	1.295	1.362	1.433	6.07
61)		4-Chlorophenyl...	0.739	0.719	0.718	0.673	0.652	0.591	0.733	0.689	7.82
62)		4-Nitroaniline	0.265	0.300	0.334	0.311	0.329	0.293	0.348	0.311	9.02
63)		Azobenzene	1.456	1.426	1.449	1.321	1.275	1.166	1.276	1.338	8.17
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.049	0.064	0.078	0.085	0.094	0.097	0.078	23.82
66)	c	n-Nitrosodiphe...	0.573	0.574	0.576	0.541	0.526	0.554	0.504	0.550	4.99
67)		4-Bromophenyl-...	0.203	0.206	0.204	0.202	0.197	0.208	0.212	0.205	2.30
68)		Hexachlorobenzene	0.241	0.238	0.243	0.236	0.234	0.242	0.251	0.241	2.36
69)		Atrazine	0.192	0.204	0.201	0.193	0.187	0.194	0.183	0.193	3.72
70)	C	Pentachlorophenol		0.120	0.136	0.146	0.150	0.159	0.166	0.146	11.32
71)		Phenanthrene	1.053	1.037	1.020	0.967	0.938	0.970	0.898	0.983	5.70
72)		Anthracene	1.021	1.014	1.006	0.962	0.922	0.970	0.859	0.965	6.02
73)		Carbazole	0.973	0.986	0.984	0.920	0.918	0.930	0.821	0.933	6.18
74)		Di-n-butylphth...	1.090	1.184	1.209	1.169	1.148	1.160	0.951	1.130	7.72
75)	C	Fluoranthene	1.245	1.249	1.260	1.152	1.151	1.175	0.908	1.163	10.47
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.400	0.476	0.729	0.731	0.712		0.610	26.07
78)		Pyrene	1.484	1.451	1.490	1.561	1.474	1.538	1.532	1.504	2.65
79)	S	Terphenyl-d14	1.238	1.205	1.218	1.277	1.170	1.216	1.087	1.201	4.99
80)		Butylbenzylpht...	0.394	0.462	0.549	0.602	0.602	0.618	0.618	0.549	16.04
81)		Benzo(a)anthra...	1.348	1.340	1.367	1.316	1.290	1.311	1.246	1.317	3.07
82)		3,3'-Dichlorob...	0.314	0.360	0.411	0.416	0.435	0.426	0.379	0.391	11.08
83)		Chrysene	1.297	1.256	1.291	1.248	1.192	1.228	1.174	1.241	3.74
84)		Bis(2-ethylhex...	0.684	0.790	0.884	0.927	0.883	0.931	0.894	0.856	10.40
85)	c	Di-n-octyl pht...		1.005	1.274	1.264	1.267	1.350	1.306	1.244	9.76

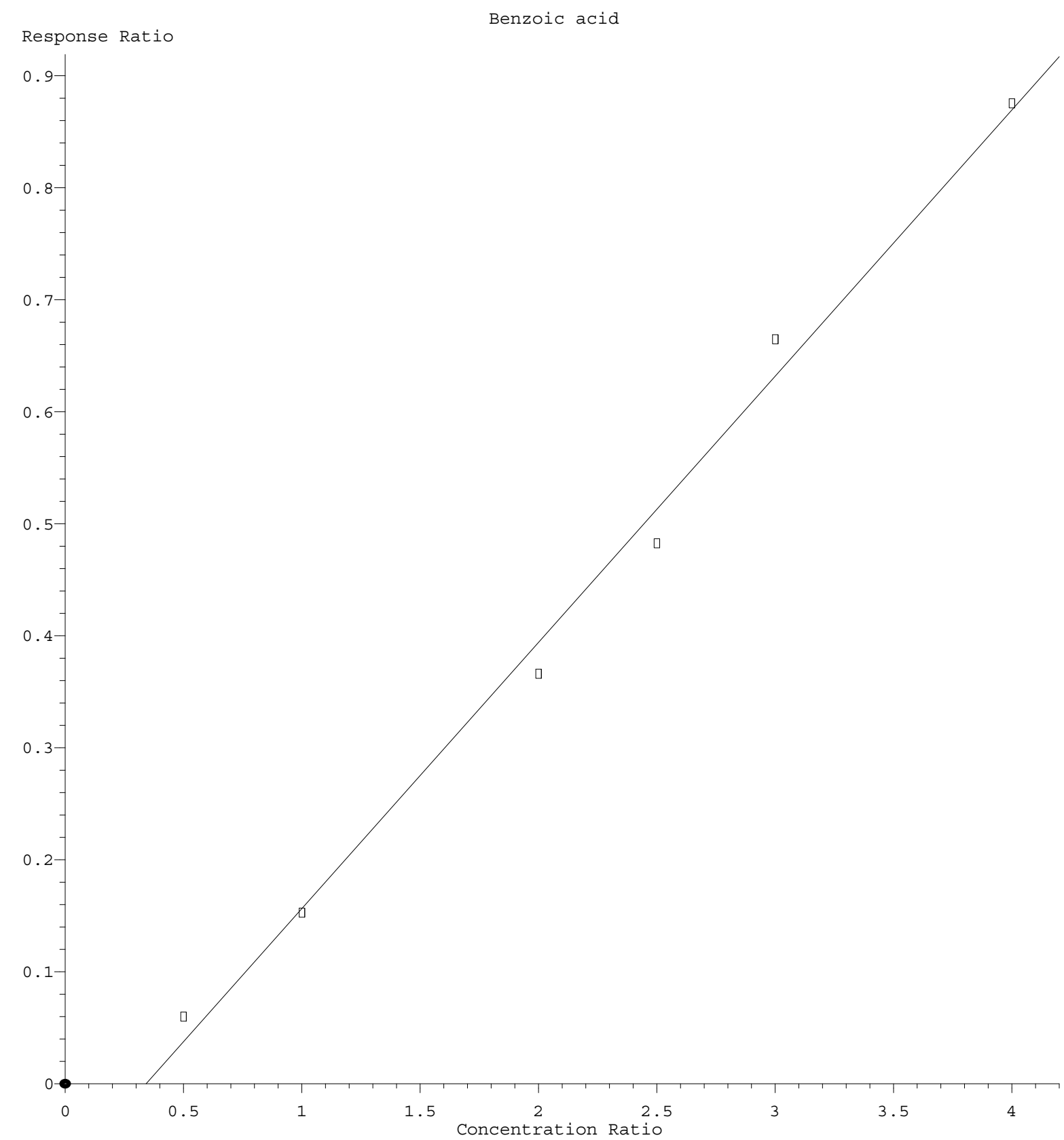
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052924.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.021	1.080	1.189	1.284	1.273	1.332	1.335	1.216	10.23
88)		Benzo(b)fluora...	1.202	1.271	1.327	1.261	1.216	1.278	1.168	1.246	4.33
89)		Benzo(k)fluora...	1.194	1.218	1.274	1.217	1.203	1.234	1.167	1.215	2.75
90)	C	Benzo(a)pyrene	0.939	1.003	1.075	1.056	1.040	1.075	1.035	1.032	4.65
91)		Dibenzo(a,h)an...	0.872	0.909	0.991	1.064	1.062	1.098	1.104	1.014	9.14
92)		Benzo(g,h,i)pe...	0.869	0.904	0.982	1.068	1.059	1.101	1.114	1.014	9.59

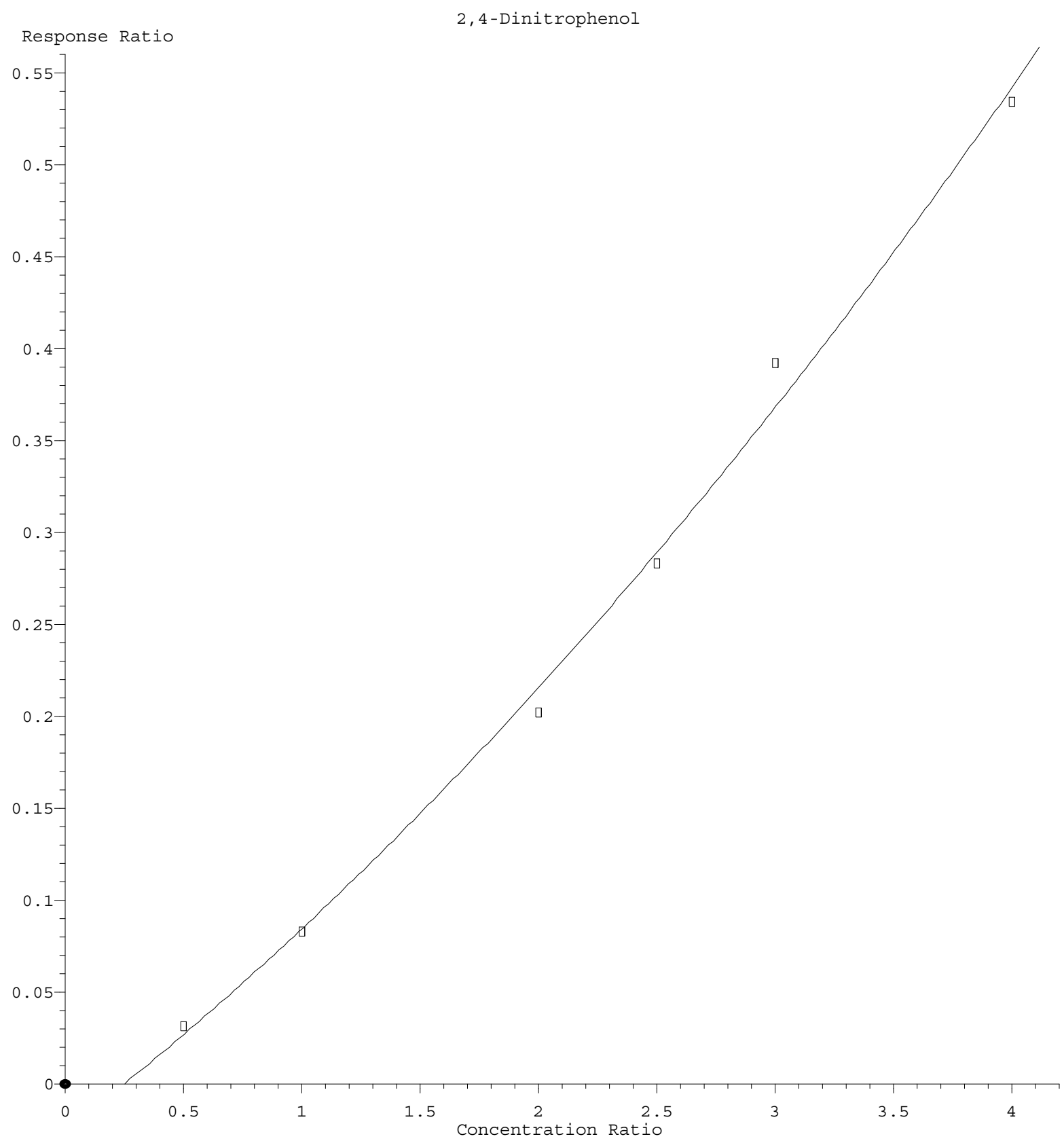
(#) = Out of Range



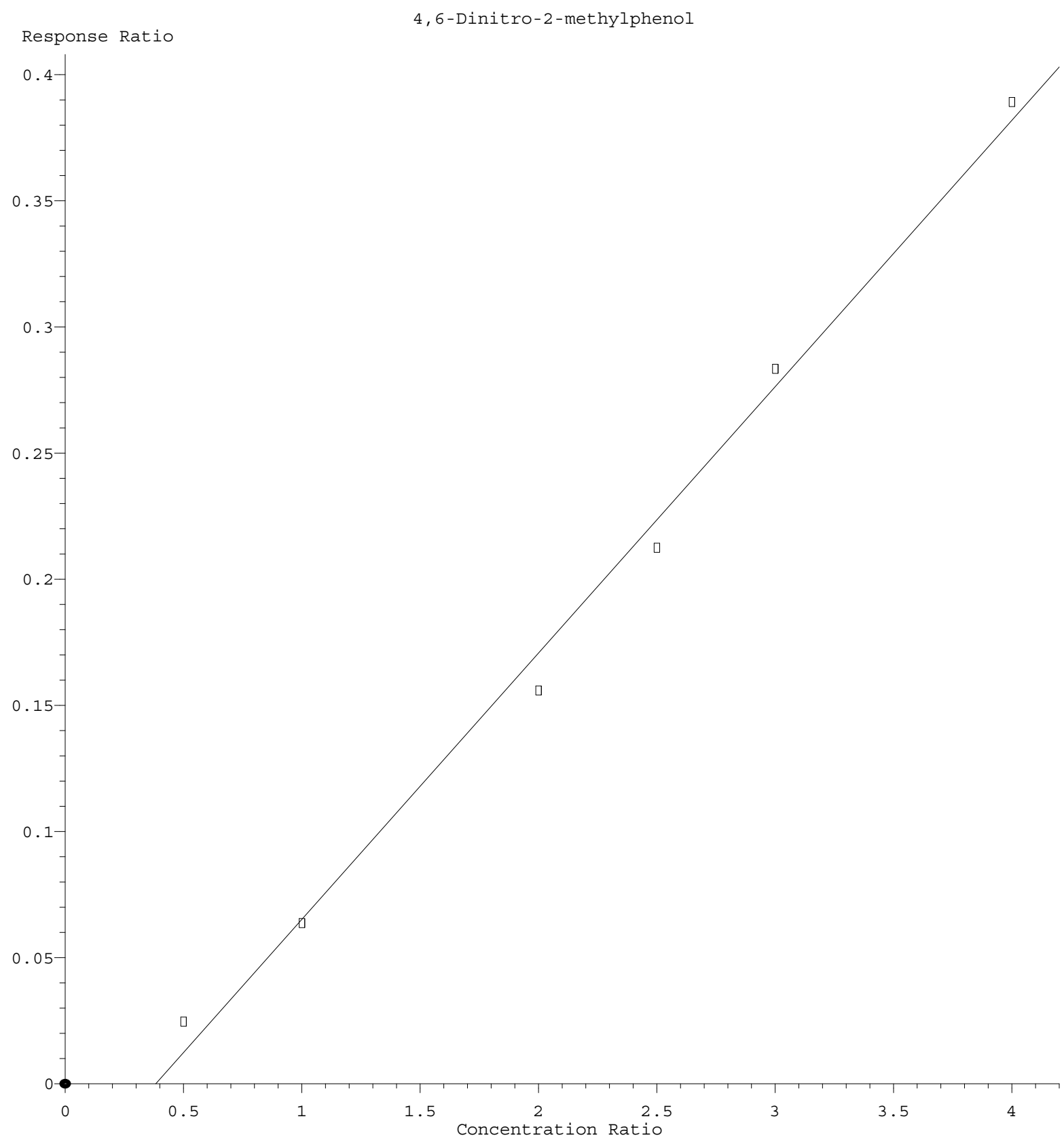
Response = 1.593e-001 * Amt - 3.019e-002
Coef of Det (r^2) = 0.998349 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052924.M
Calibration Table Last Updated: Thu May 30 03:41:03 2024



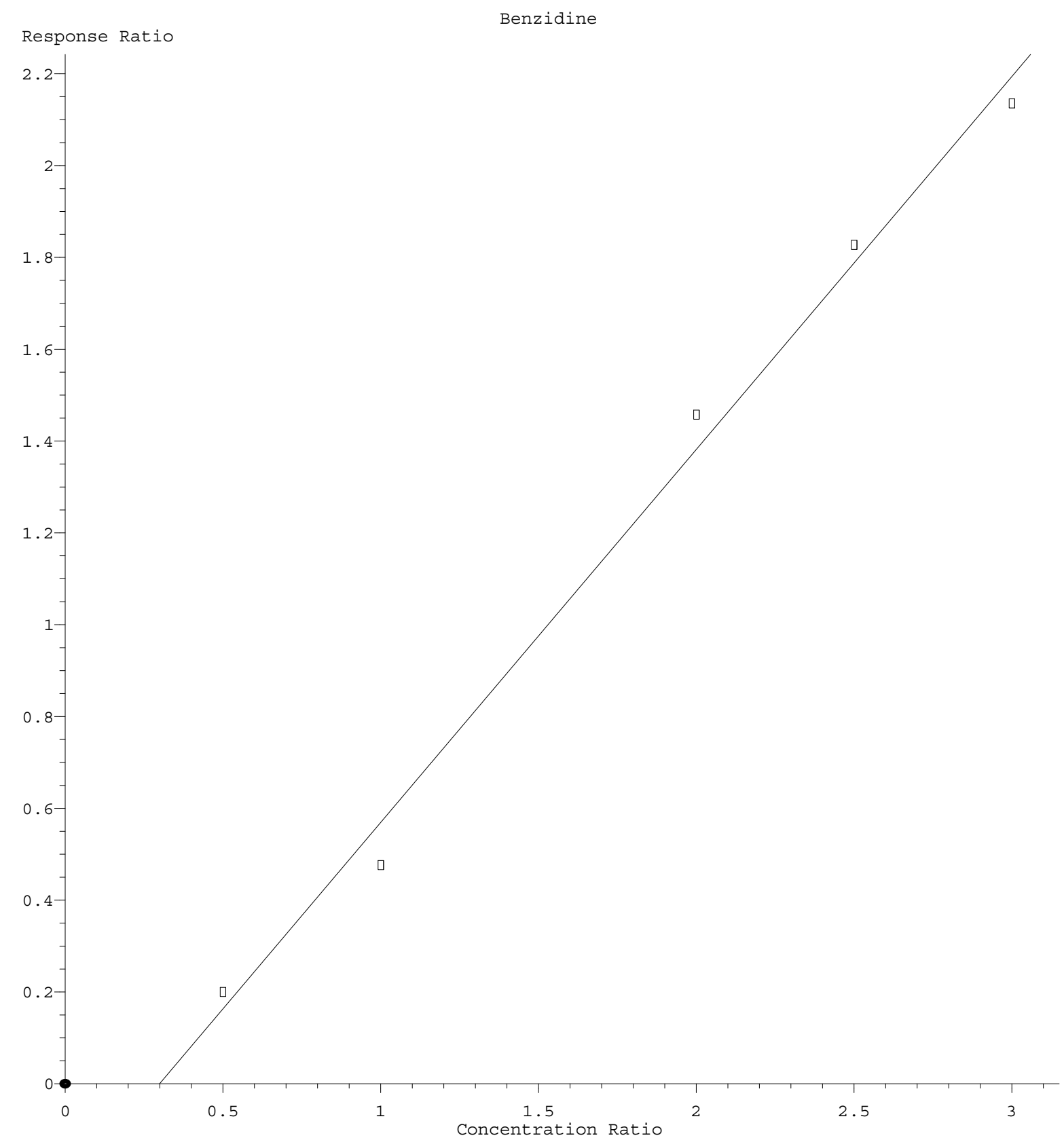
Response = 2.377e-001 * Amt - 8.137e-002
Coef of Det (r^2) = 0.992951 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052924.M
Calibration Table Last Updated: Thu May 30 03:41:03 2024



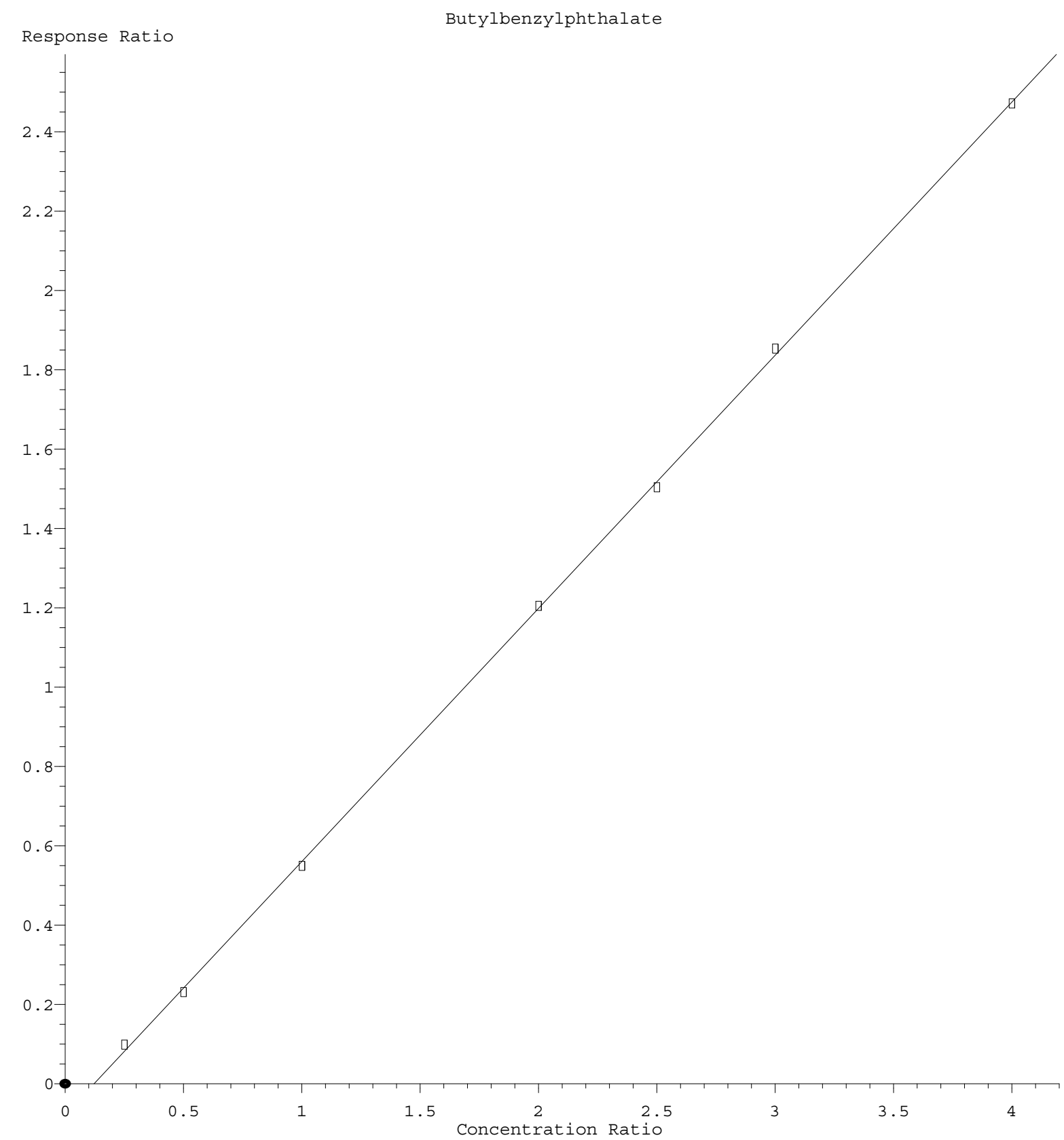
R = 1.073e-002 A*A + 9.891e-002 A - 2.526e-002
Coef of Det (r^2) = 0.995113 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052924.M
Calibration Table Last Updated: Thu May 30 03:41:03 2024



Response = 1.055e-001 * Amt - 4.037e-002
Coef of Det (r^2) = 0.993590 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052924.M
Calibration Table Last Updated: Thu May 30 03:41:03 2024



Response = 8.120e-001 * Amt - 2.424e-001
Coef of Det (r^2) = 0.992739 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052924.M
Calibration Table Last Updated: Thu May 30 03:41:03 2024



Response = 6.382e-001 * Amt - 7.757e-002
Coef of Det (r^2) = 0.999781 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052924.M
Calibration Table Last Updated: Thu May 30 03:41:03 2024