Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG113023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 01 03:37:46 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG059913.D 5 =BG059914.D 10 =BG059915.D 20 =BG059916.D 40 =BG059917.D 50 =BG059918.D 60 =BG059919.D 80 =BG0599
20.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.448	0.424	0.410	0.361	0.322	0.324	0.427	0.388	13.31
3)		Pyridine		1.203	0.920	0.968	1.055	0.930	1.053		1.021	10.41
4)		n-Nitrosodimet...		0.645	0.572	0.572	0.619	0.550	0.562		0.587	6.30
5)	S	2-Fluorophenol		1.297	1.293	1.296	1.339	1.227	1.299	1.188	1.277	4.01
6)		Aniline		1.970	2.011	1.971	2.100	1.914	1.993	1.864	1.975	3.77
7)	S	Phenol-d6		1.850	1.869	1.912	1.940	1.786	1.826	1.719	1.843	4.07
8)		2-Chlorophenol		1.462	1.443	1.465	1.527	1.363	1.451	1.358	1.438	4.15
9)		Benzaldehyde		1.293	1.306	1.219	1.081	0.944			1.169	13.19
10)	C	Phenol		2.004	1.935	1.934	2.039	1.845	1.952	1.797	1.929	4.37
11)		bis(2-Chloroet...		1.448	1.508	1.544	1.587	1.448	1.493	1.385	1.488	4.52
12)		1,3-Dichlorobe...		1.605	1.579	1.633	1.649	1.515	1.560	1.486	1.575	3.80
13)	C	1,4-Dichlorobe...		1.702	1.675	1.632	1.674	1.550	1.621	1.509	1.623	4.36
14)		1,2-Dichlorobe...		1.677	1.617	1.672	1.653	1.505	1.593	1.479	1.600	4.97
15)		Benzyl Alcohol		1.435	1.406	1.465	1.491	1.380	1.426	1.370	1.425	3.08
16)		2,2'-oxybis(1-...		2.773	2.913	2.933	2.986	2.707	2.838	2.691	2.834	4.06
17)		2-Methylphenol		1.354	1.307	1.384	1.400	1.287	1.339	1.280	1.336	3.50
18)		Hexachloroethane		0.581	0.601	0.596	0.616	0.549	0.588	0.551	0.583	4.30
19)	P	n-Nitroso-di-n...	1.195	1.301	1.382	1.359	1.406	1.261	1.293	1.221	1.302	5.83
20)		3+4-Methylphenols		1.847	1.880	1.929	2.014	1.816	1.898	1.788	1.882	4.02
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.573	0.545	0.577	0.577	0.529	0.548	0.526	0.554	4.04
23)	S	Nitrobenzene-d5		0.292	0.303	0.338	0.375	0.351	0.381	0.367	0.344	10.19
24)		Nitrobenzene		0.334	0.336	0.366	0.408	0.380	0.404	0.394	0.375	8.16
25)		Isophorone		0.860	0.814	0.867	0.860	0.789	0.824	0.792	0.829	4.00
26)	C	2-Nitrophenol		0.104	0.104	0.119	0.142	0.139			0.121	14.99
27)		2,4-Dimethylph...		0.249	0.238	0.251	0.251	0.228	0.238	0.228	0.240	4.21
28)		bis(2-Chloroet...		0.479	0.463	0.487	0.493	0.446	0.466	0.453	0.470	3.71
29)	C	2,4-Dichloroph...		0.313	0.314	0.339	0.347	0.317	0.342	0.326	0.328	4.36
30)		1,2,4-Trichlor...		0.387	0.371	0.389	0.407	0.364	0.385	0.376	0.383	3.65
31)		Naphthalene		1.173	1.108	1.167	1.188	1.075	1.117	1.069	1.128	4.26
32)		Benzoic acid			0.140	0.194	0.222	0.215	0.231	0.245	0.208	18.00
33)		4-Chloroaniline		0.461	0.442	0.478	0.480	0.441	0.461	0.435	0.457	3.94
34)	C	Hexachlorobuta...		0.273	0.254	0.259	0.262	0.245	0.255	0.250	0.257	3.53
35)		Caprolactam		0.122	0.123	0.125	0.119	0.108	0.110	0.110	0.117	6.06
36)	C	4-Chloro-3-met...		0.391	0.397	0.406	0.410	0.376	0.385	0.374	0.391	3.60
37)		2-Methylnaphth...		0.844	0.782	0.829	0.838	0.753	0.789	0.755	0.799	4.82
38)		1-Methylnaphth...		0.904	0.812	0.839	0.837	0.751	0.773	0.740	0.808	7.14

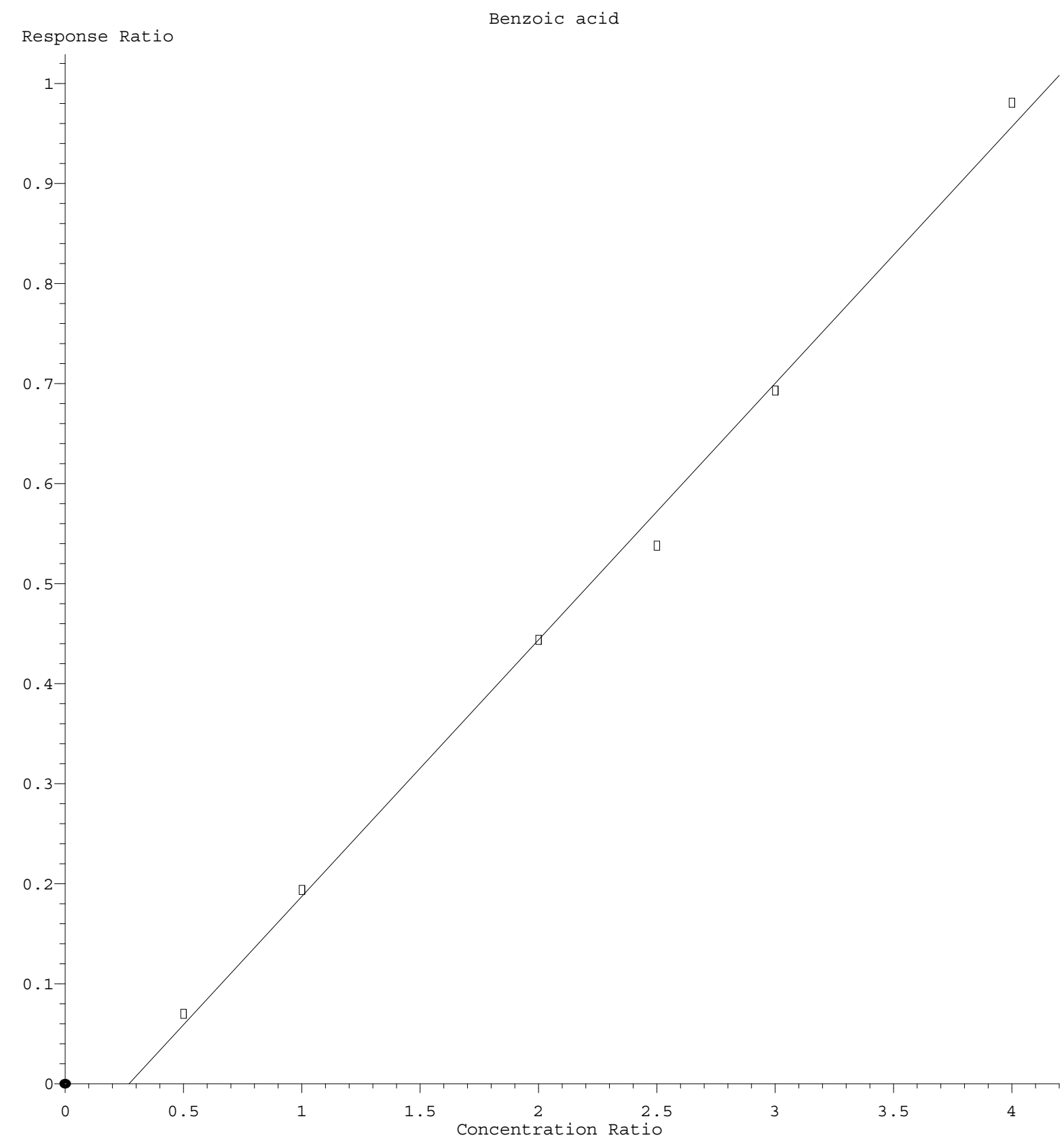
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG113023.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.632	0.589	0.624	0.651	0.619	0.629	0.618	0.623	3.00
41)	P	Hexachlorocycl...	0.194	0.209	0.243	0.259	0.246	0.255	0.255	0.237	10.78
42)	S	2,4,6-Tribromo...	0.304	0.294	0.326	0.326	0.298	0.305	0.296	0.307	4.39
43)	C	2,4,6-Trichlor...	0.377	0.376	0.406	0.431	0.404	0.416	0.421	0.404	5.23
44)		2,4,5-Trichlor...	0.458	0.416	0.473	0.481	0.456	0.467	0.457	0.458	4.51
45)	S	2-Fluorobiphenyl	1.555	1.414	1.483	1.487	1.383	1.387	1.358	1.438	4.97
46)		1,1'-Biphenyl	1.550	1.515	1.542	1.536	1.435	1.469	1.453	1.500	3.14
47)		2-Chloronaphth...	1.268	1.201	1.266	1.287	1.207	1.231	1.222	1.240	2.70
48)		2-Nitroaniline	0.256	0.264	0.322	0.360	0.355	0.364	0.371	0.327	14.86
49)		Acenaphthylene	2.013	1.910	1.994	1.965	1.823	1.844	1.788	1.905	4.65
50)		Dimethylphthalate	1.805	1.566	1.692	1.615	1.532	1.532	1.490	1.605	6.88
51)		2,6-Dinitrotol...	0.207	0.234	0.281	0.315	0.297	0.309	0.308	0.279	15.10
52)	C	Acenaphthene	1.269	1.145	1.223	1.217	1.140	1.161	1.130	1.184	4.46
53)		3-Nitroaniline	0.215	0.239	0.291	0.313	0.295	0.310	0.298	0.280	13.49
54)	P	2,4-Dinitrophenol		0.068	0.092	0.116	0.115	0.125	0.133	0.108	22.28
55)		Dibenzofuran	2.027	1.841	1.925	1.869	1.735	1.779	1.719	1.842	5.96
56)	P	4-Nitrophenol	0.181	0.195	0.232	0.257	0.240	0.246	0.246	0.228	12.62
57)		2,4-Dinitrotol...	0.275	0.290	0.356	0.415	0.385	0.416	0.415	0.365	16.55
58)		Fluorene	1.715	1.534	1.594	1.503	1.376	1.399	1.333	1.494	9.05
59)		2,3,4,6-Tetrac...	0.429	0.402	0.425	0.437	0.401	0.417	0.405	0.417	3.51
60)		Diethylphthalate	1.843	1.612	1.703	1.669	1.488	1.525	1.487	1.618	8.10
61)		4-Chlorophenyl...	0.908	0.816	0.855	0.817	0.760	0.758	0.725	0.806	7.83
62)		4-Nitroaniline	0.262	0.271	0.317	0.325	0.297	0.318	0.310	0.300	8.18
63)		Azobenzene	1.683	1.513	1.570	1.572	1.429	1.474	1.407	1.521	6.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.048	0.062	0.078	0.077	0.085	0.090	0.073	21.43
66)	c	n-Nitrosodiphe...	0.538	0.520	0.566	0.556	0.528	0.545	0.519	0.539	3.36
67)		4-Bromophenyl-...	0.243	0.233	0.246	0.242	0.233	0.242	0.233	0.239	2.33
68)		Hexachlorobenzene	0.291	0.278	0.292	0.294	0.275	0.281	0.278	0.284	2.83
69)		Atrazine	0.232	0.214	0.213	0.200	0.181	0.180	0.163	0.198	12.15
70)	C	Pentachlorophenol	0.130	0.138	0.168	0.175	0.167	0.175	0.172	0.161	11.53
71)		Phenanthrene	1.077	1.019	1.074	1.046	0.955	0.988	0.943	1.015	5.35
72)		Anthracene	1.096	1.018	1.079	1.045	0.968	0.995	0.965	1.024	5.07
73)		Carbazole	1.039	0.955	0.997	0.968	0.887	0.914	0.881	0.949	6.15
74)		Di-n-butylphth...	1.261	1.151	1.215	1.189	1.082	1.116	1.077	1.156	6.00
75)	C	Fluoranthene	1.418	1.316	1.364	1.291	1.206	1.236	1.209	1.292	6.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.253	0.198	0.383	0.626	0.460	0.496	0.394	0.401	36.18
78)		Pyrene	1.497	1.459	1.495	1.477	1.348	1.390	1.320	1.427	5.12
79)	S	Terphenyl-d14	1.352	1.251	1.300	1.225	1.105	1.131	1.056	1.203	9.03
80)		Butylbenzylpht...	0.482	0.490	0.526	0.534	0.491	0.519	0.494	0.505	4.11
81)		Benzo(a)anthra...	1.469	1.387	1.426	1.441	1.319	1.375	1.345	1.395	3.86
82)		3,3'-Dichlorob...	0.465	0.440	0.475	0.482	0.434	0.456	0.428	0.454	4.61
83)		Chrysene	1.363	1.315	1.368	1.370	1.267	1.303	1.272	1.323	3.40
84)		Bis(2-ethylhex...	0.734	0.742	0.790	0.790	0.723	0.744	0.723	0.749	3.85
85)	c	Di-n-octyl pht...	1.164	1.237	1.336	1.369	1.264	1.334	1.301	1.286	5.48

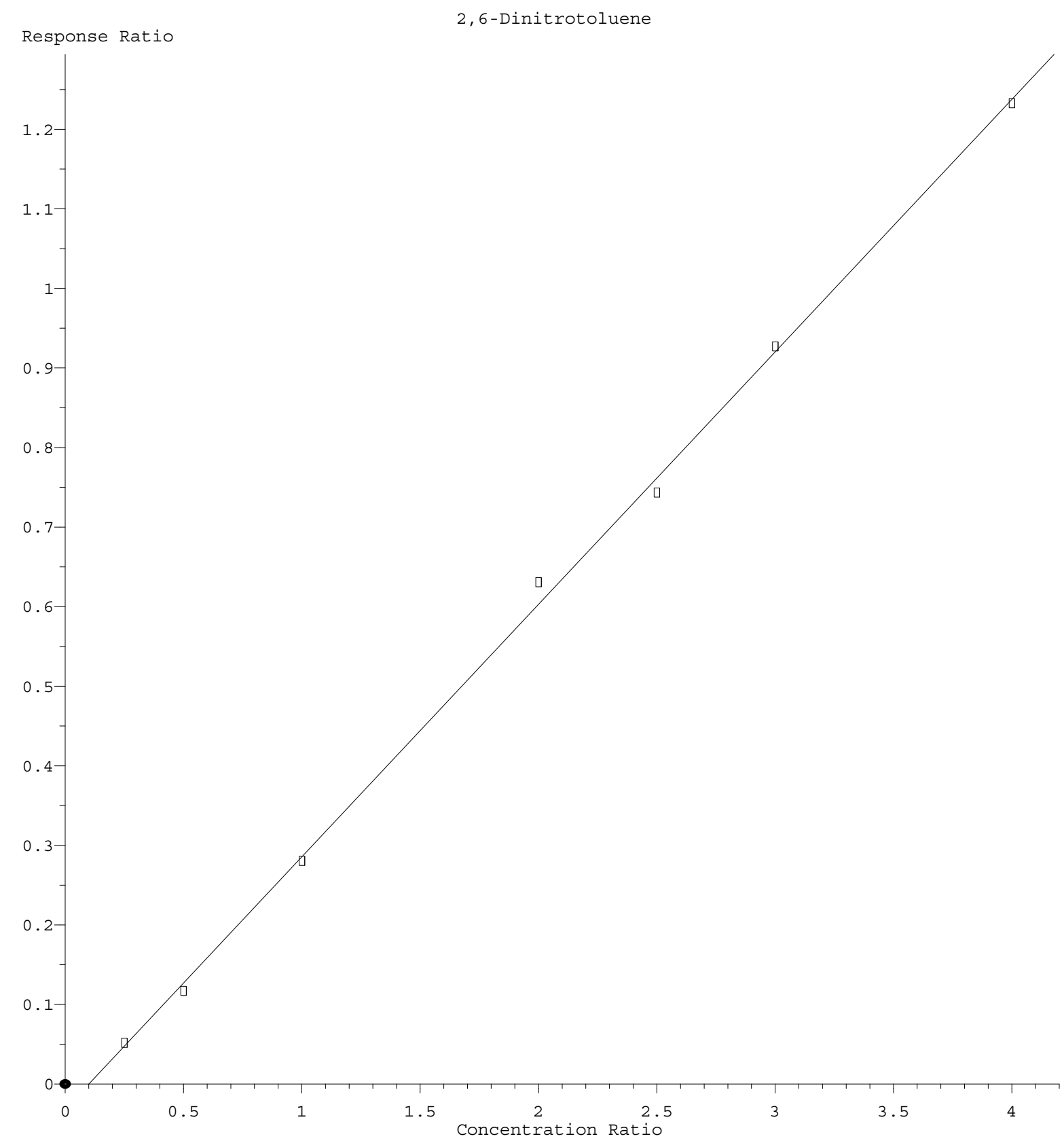
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG113023.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.519	1.449	1.502	1.561	1.449	1.523	1.473	1.497	2.81
88)		Benzo(b)fluora...	1.247	1.235	1.281	1.302	1.208	1.250	1.229	1.250	2.54
89)		Benzo(k)fluora...	1.313	1.169	1.264	1.261	1.163	1.236	1.155	1.223	5.01
90)	C	Benzo(a)pyrene	1.140	1.067	1.150	1.141	1.073	1.123	1.086	1.111	3.17
91)		Dibenzo(a,h)an...	1.265	1.194	1.267	1.294	1.221	1.270	1.224	1.248	2.82
92)		Benzo(g,h,i)pe...	1.251	1.202	1.265	1.310	1.205	1.275	1.214	1.246	3.29

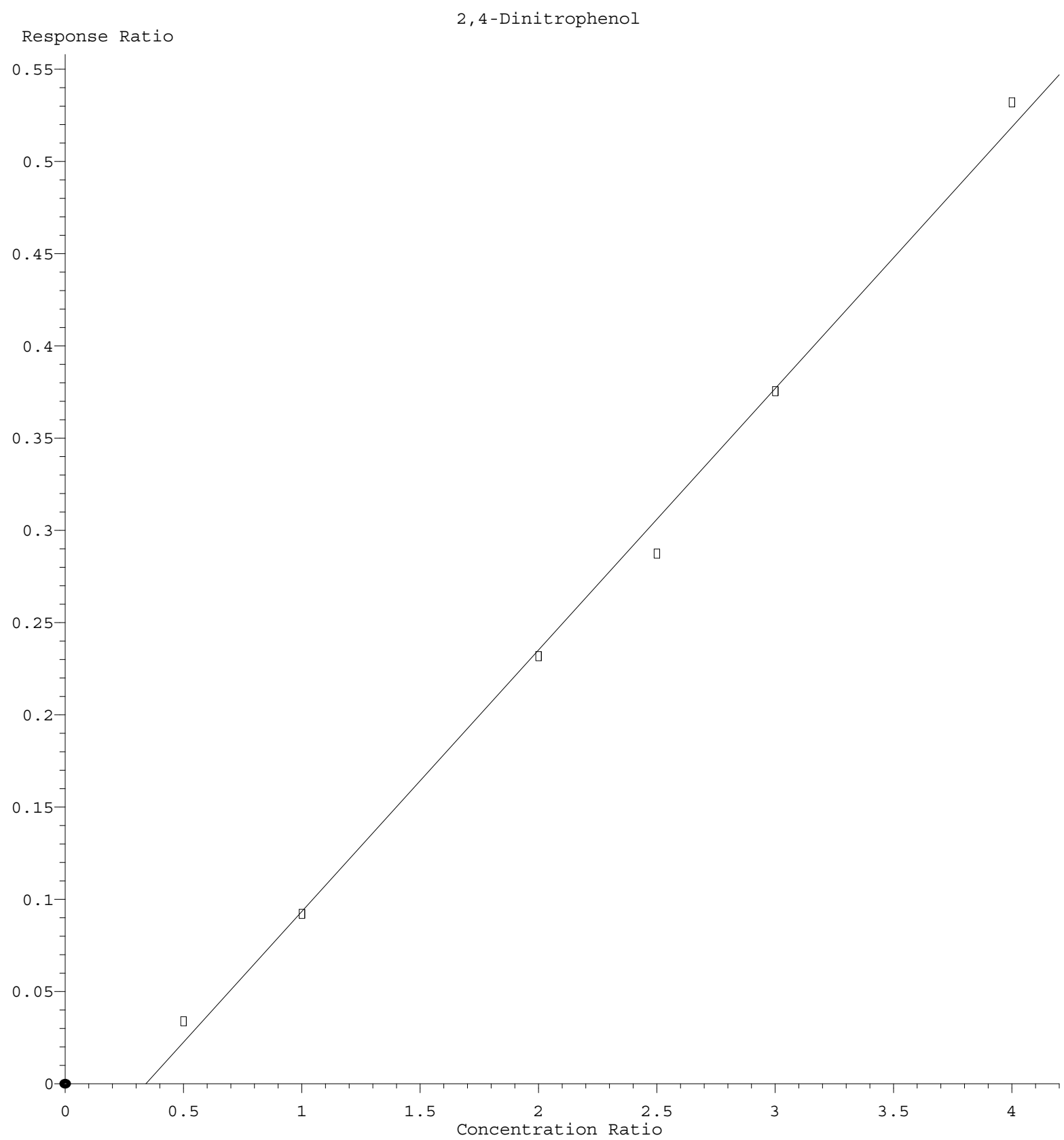
(#) = Out of Range



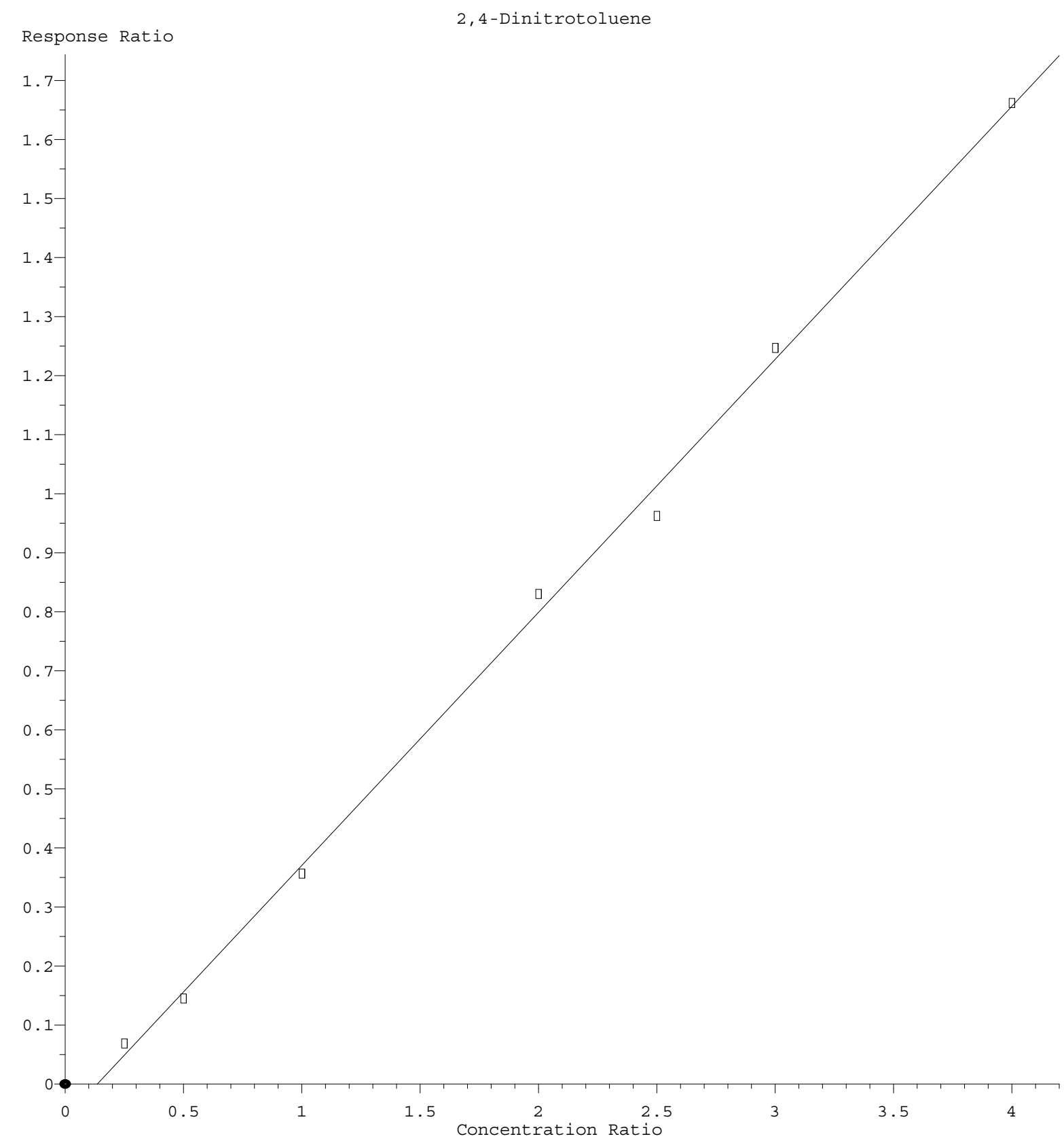
Response = 2.566e-001 * Amt - 6.937e-002
Coef of Det (r^2) = 0.996467 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG113023.M
Calibration Table Last Updated: Fri Dec 01 03:37:46 2023



Response = 3.174e-001 * Amt - 3.176e-002
Coef of Det (r^2) = 0.998871 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG113023.M
Calibration Table Last Updated: Fri Dec 01 03:37:46 2023

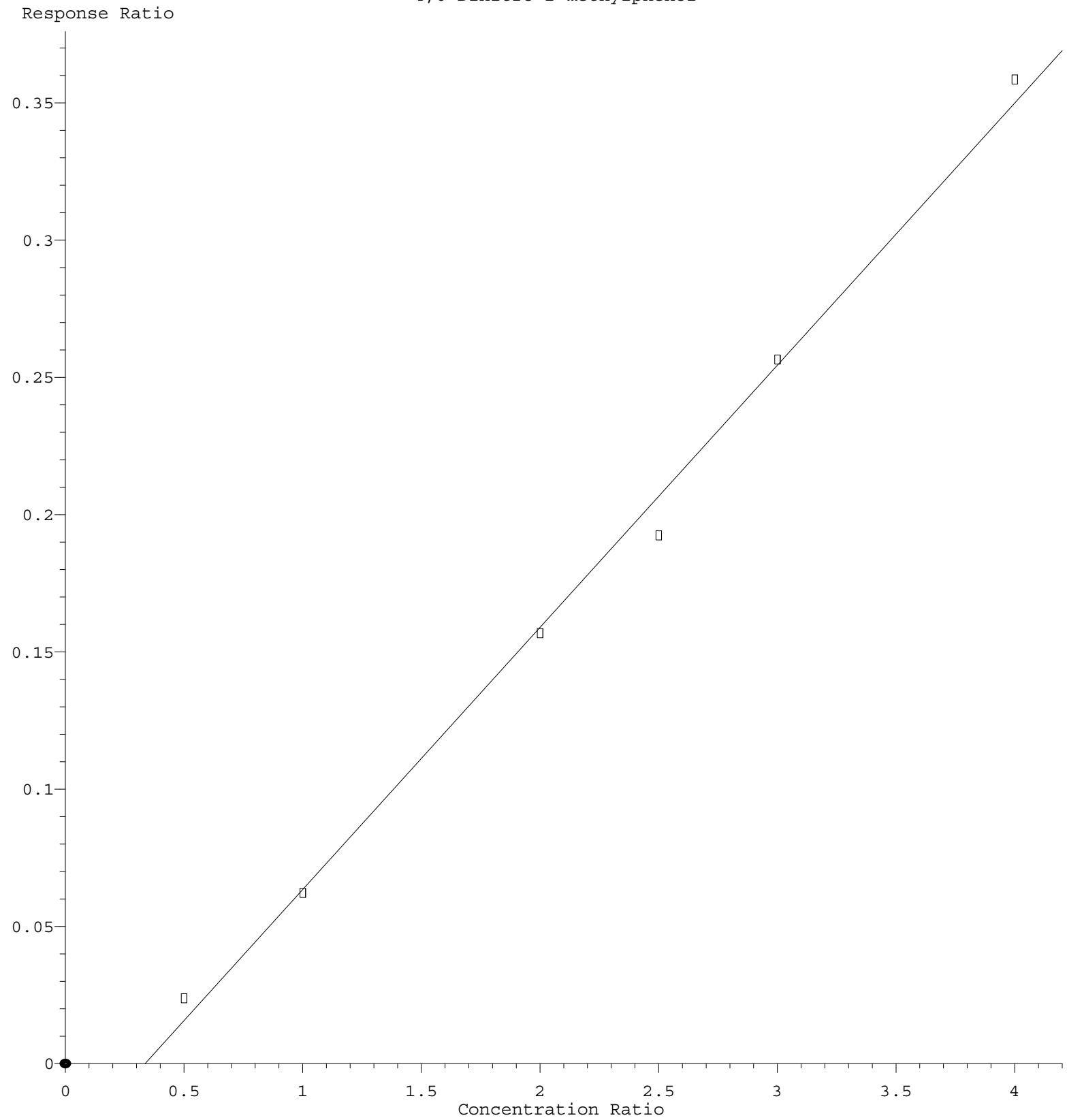


Response = 1.418e-001 * Amt - 4.841e-002
Coef of Det (r^2) = 0.996022 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG113023.M
Calibration Table Last Updated: Fri Dec 01 03:37:46 2023



Response = 4.287e-001 * Amt - 5.844e-002
Coef of Det (r^2) = 0.997785 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG113023.M
Calibration Table Last Updated: Fri Dec 01 03:37:46 2023

4,6-Dinitro-2-methylphenol



Response = 9.561e-002 * Amt - 3.212e-002
Coef of Det (r^2) = 0.995397 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG113023.M
Calibration Table Last Updated: Fri Dec 01 03:37:46 2023