Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 28 04:00:21 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF130799.D 5 =BF130800.D 10 =BF130801.D 20 =BF130802.D 40 =BF130803.D 50 =BF130804.D 60 =BF130805.D 80 =BF1308
06.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.551	0.540	0.539	0.540	0.486	0.495	0.471	0.517	6.25
3)		Pyridine		1.581	1.442	1.506	1.510	1.365	1.404	1.333	1.449	6.11
4)		n-Nitrosodimet...		0.841	0.789	0.822	0.842	0.789	0.815	0.796	0.813	2.81
5)	S	2-Fluorophenol	1.338	1.271	1.200	1.190	1.149	1.038	1.061	0.982	1.154	10.50
6)		Aniline		1.993	1.893	1.895	1.900	1.752	1.777	1.767	1.854	4.85
7)	S	Phenol-d6	1.740	1.640	1.553	1.523	1.486	1.362	1.385	1.305	1.499	9.79
8)		2-Chlorophenol		1.438	1.356	1.349	1.315	1.198	1.216	1.124	1.285	8.49
9)		Benzaldehyde		1.236	1.097	1.028	0.874	0.849	0.849	0.784	0.960	17.15
10)	C	Phenol		1.798	1.680	1.699	1.638	1.480	1.559	1.439	1.613	7.91
11)		bis(2-Chloroet...		1.396	1.317	1.326	1.279	1.165	1.193	1.126	1.258	7.82
12)		1,3-Dichlorobe...		1.640	1.571	1.544	1.482	1.346	1.360	1.251	1.456	9.67
13)	C	1,4-Dichlorobe...		1.681	1.584	1.564	1.503	1.363	1.383	1.269	1.478	9.83
14)		1,2-Dichlorobe...		1.574	1.489	1.451	1.391	1.257	1.269	1.152	1.369	10.88
15)		Benzyl Alcohol		1.374	1.324	1.298	1.306	1.233	1.221	1.168	1.275	5.52
16)		2,2'-oxybis(1-...		2.461	2.319	2.321	2.291	2.118	2.164	2.018	2.242	6.67
17)		2-Methylphenol		1.177	1.133	1.158	1.127	1.042	1.054	0.999	1.098	6.10
18)		Hexachloroethane		0.569	0.551	0.555	0.546	0.513	0.513	0.492	0.534	5.27
19)	P	n-Nitroso-di-n...	1.173	1.101	1.032	1.008	1.012	0.943	0.969	0.923	1.020	8.13
20)		3+4-Methylphenols		1.622	1.515	1.509	1.470	1.325	1.340	1.216	1.428	9.75
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.527	0.497	0.512	0.495	0.459	0.466	0.439	0.485	6.49
23)	S	Nitrobenzene-d5	0.283	0.277	0.294	0.345	0.366	0.354	0.372	0.362	0.332	12.02
24)		Nitrobenzene		0.313	0.322	0.375	0.392	0.375	0.388	0.374	0.363	8.72
25)		Isophorone		0.710	0.666	0.690	0.707	0.660	0.689	0.665	0.684	3.00
26)	C	2-Nitrophenol		0.078	0.089	0.117	0.138	0.139	0.149	0.149	0.123	23.57
27)		2,4-Dimethylph...		0.298	0.287	0.303	0.298	0.270	0.278	0.259	0.285	5.75
28)		bis(2-Chloroet...		0.418	0.375	0.394	0.393	0.365	0.374	0.354	0.382	5.57
29)	C	2,4-Dichloroph...		0.291	0.287	0.307	0.308	0.284	0.295	0.278	0.293	3.93
30)		1,2,4-Trichlor...		0.327	0.324	0.337	0.324	0.301	0.306	0.285	0.315	5.73
31)		Naphthalene		1.138	1.071	1.110	1.074	0.987	0.997	0.928	1.043	7.19
32)		Benzoic acid			0.104	0.142	0.187	0.193	0.213	0.222	0.177	25.57
33)		4-Chloroaniline		0.442	0.420	0.425	0.428	0.391	0.401	0.379	0.412	5.45
34)	C	Hexachlorobuta...		0.220	0.210	0.217	0.215	0.201	0.206	0.195	0.209	4.33
35)		Caprolactam		0.094	0.090	0.093	0.099	0.092	0.097	0.092	0.094	3.29
36)	C	4-Chloro-3-met...		0.321	0.311	0.320	0.336	0.309	0.319	0.306	0.318	3.13
37)		2-Methylnaphth...		0.726	0.674	0.689	0.671	0.620	0.631	0.583	0.656	7.32
38)		1-Methylnaphth...		0.721	0.654	0.670	0.651	0.606	0.605	0.564	0.639	8.06

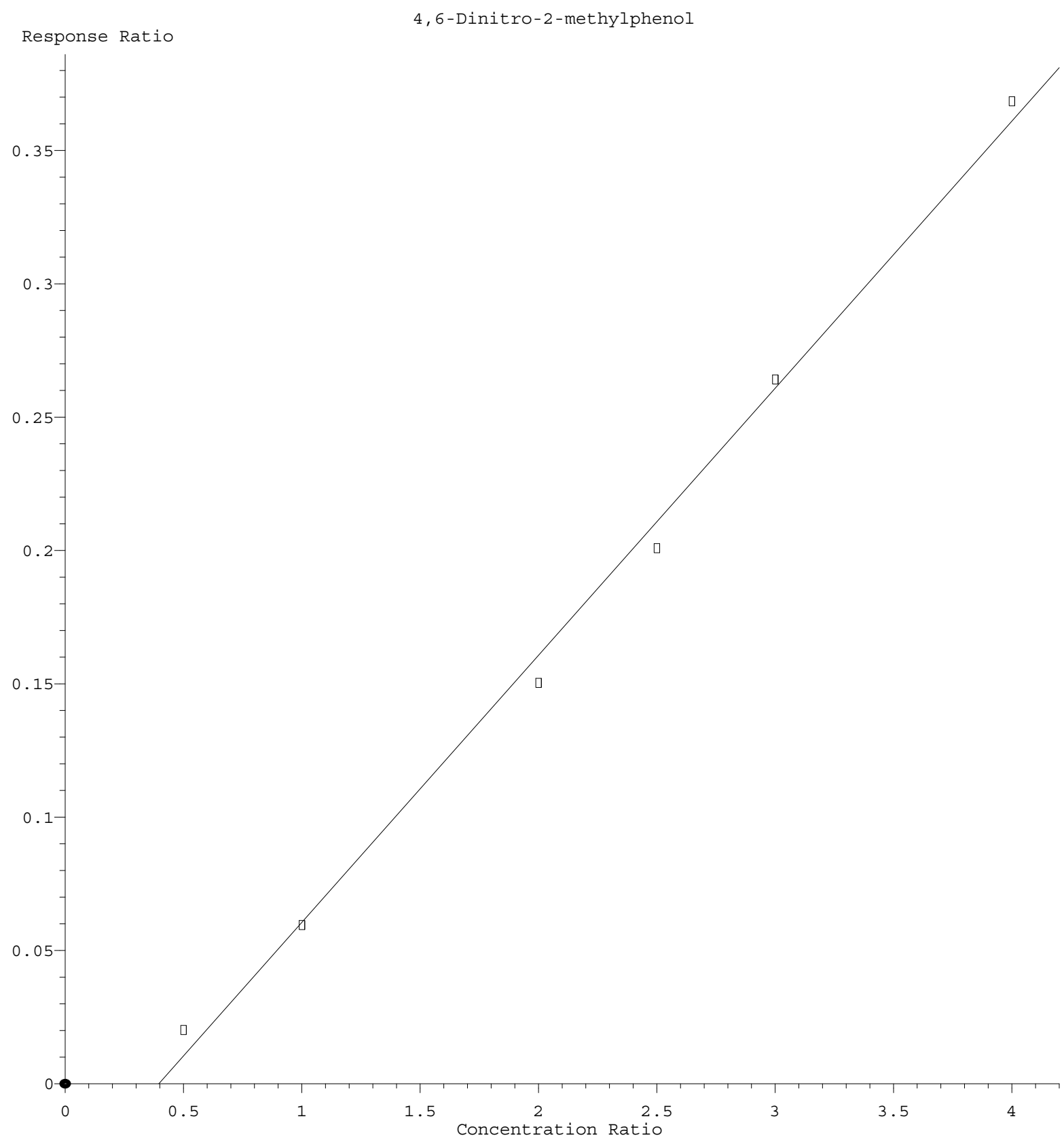
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102722.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.611	0.585	0.602	0.576	0.531	0.546	0.520	0.567	6.24
41)	P	Hexachlorocycl...		0.262	0.268	0.300	0.322	0.302	0.319	0.313	0.298	7.97
42)	S	2,4,6-Tribromo...	0.161	0.156	0.160	0.174	0.185	0.164	0.174	0.174	0.168	5.86
43)	C	2,4,6-Trichlor...		0.383	0.389	0.410	0.419	0.385	0.388	0.385	0.394	3.64
44)		2,4,5-Trichlor...		0.408	0.412	0.446	0.446	0.411	0.418	0.406	0.421	4.11
45)	S	2-Fluorobiphenyl	1.612	1.460	1.387	1.351	1.279	1.182	1.187	1.124	1.323	12.37
46)		1,1'-Biphenyl		1.553	1.512	1.498	1.457	1.331	1.349	1.275	1.425	7.45
47)		2-Chloronaphth...		1.241	1.194	1.210	1.171	1.071	1.087	1.024	1.143	7.14
48)		2-Nitroaniline		0.198	0.227	0.299	0.360	0.355	0.377	0.387	0.315	23.98
49)		Acenaphthylene		1.948	1.881	1.894	1.873	1.720	1.717	1.606	1.806	6.92
50)		Dimethylphthalate		1.459	1.401	1.433	1.410	1.306	1.320	1.288	1.374	4.94
51)		2,6-Dinitrotol...		0.149	0.185	0.232	0.265	0.257	0.268	0.266	0.232	20.33
52)	C	Acenaphthene		1.157	1.149	1.158	1.151	1.071	1.086	1.043	1.116	4.31
53)		3-Nitroaniline		0.183	0.224	0.275	0.300	0.285	0.305	0.301	0.268	17.41
54)	P	2,4-Dinitrophenol			0.052	0.070	0.093	0.100	0.112	0.125	0.092	29.46
55)		Dibenzofuran		1.761	1.703	1.705	1.654	1.523	1.534	1.448	1.618	7.19
56)	P	4-Nitrophenol		0.147	0.173	0.213	0.243	0.228	0.239	0.239	0.212	17.71
57)		2,4-Dinitrotol...		0.166	0.207	0.272	0.330	0.323	0.335	0.340	0.282	24.82
58)		Fluorene		1.433	1.342	1.335	1.296	1.190	1.195	1.130	1.274	8.36
59)		2,3,4,6-Tetrac...		0.344	0.341	0.360	0.368	0.343	0.346	0.329	0.347	3.66
60)		Diethylphthalate		1.425	1.367	1.399	1.398	1.304	1.323	1.241	1.351	4.81
61)		4-Chlorophenyl...		0.682	0.639	0.651	0.613	0.570	0.576	0.536	0.610	8.44
62)		4-Nitroaniline		0.198	0.222	0.272	0.309	0.291	0.301	0.303	0.271	16.10
63)		Azobenzene		1.462	1.428	1.460	1.472	1.361	1.377	1.313	1.410	4.32
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.040	0.060	0.075	0.080	0.088	0.092	0.073	26.82
66)	c	n-Nitrosodiphe...		0.661	0.645	0.652	0.637	0.595	0.607	0.570	0.624	5.41
67)		4-Bromophenyl-...		0.215	0.198	0.212	0.208	0.189	0.197	0.189	0.201	5.25
68)		Hexachlorobenzene		0.233	0.226	0.227	0.225	0.214	0.218	0.208	0.222	3.88
69)		Atrazine		0.203	0.194	0.193	0.190	0.170	0.166	0.146	0.180	11.22
70)	C	Pentachlorophenol		0.108	0.116	0.132	0.137	0.129	0.135	0.128	0.126	8.28
71)		Phenanthrene		1.151	1.094	1.077	1.048	0.963	0.984	0.909	1.032	8.15
72)		Anthracene		1.142	1.061	1.069	1.036	0.961	0.966	0.892	1.018	8.24
73)		Carbazole		1.002	0.967	0.973	0.926	0.861	0.865	0.788	0.912	8.38
74)		Di-n-butylphth...		1.198	1.137	1.167	1.128	1.062	1.072	0.986	1.107	6.51
75)	C	Fluoranthene		1.226	1.201	1.182	1.107	1.033	1.013	0.915	1.097	10.48
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine		0.724	0.682	0.468	0.503	0.399	0.346	0.277	0.485	34.32
78)		Pyrene		1.621	1.554	1.658	1.782	1.701	1.799	1.697	1.687	5.12
79)	S	Terphenyl-d14	1.154	1.081	1.023	1.057	1.122	1.083	1.137	1.074	1.091	3.98
80)		Butylbenzylpht...		0.525	0.548	0.608	0.660	0.635	0.653	0.619	0.607	8.50
81)		Benzo(a)anthra...		1.393	1.347	1.356	1.363	1.277	1.306	1.241	1.326	4.04
82)		3,3'-Dichlorob...		0.371	0.390	0.374	0.368	0.340	0.344	0.318	0.358	6.87
83)		Chrysene		1.383	1.301	1.325	1.292	1.215	1.238	1.199	1.279	5.14
84)		Bis(2-ethylhex...		0.663	0.716	0.743	0.771	0.738	0.756	0.723	0.730	4.78
85)	c	Di-n-octyl pht...		0.863	0.955	1.016	1.062	0.997	1.060	1.099	1.007	7.89

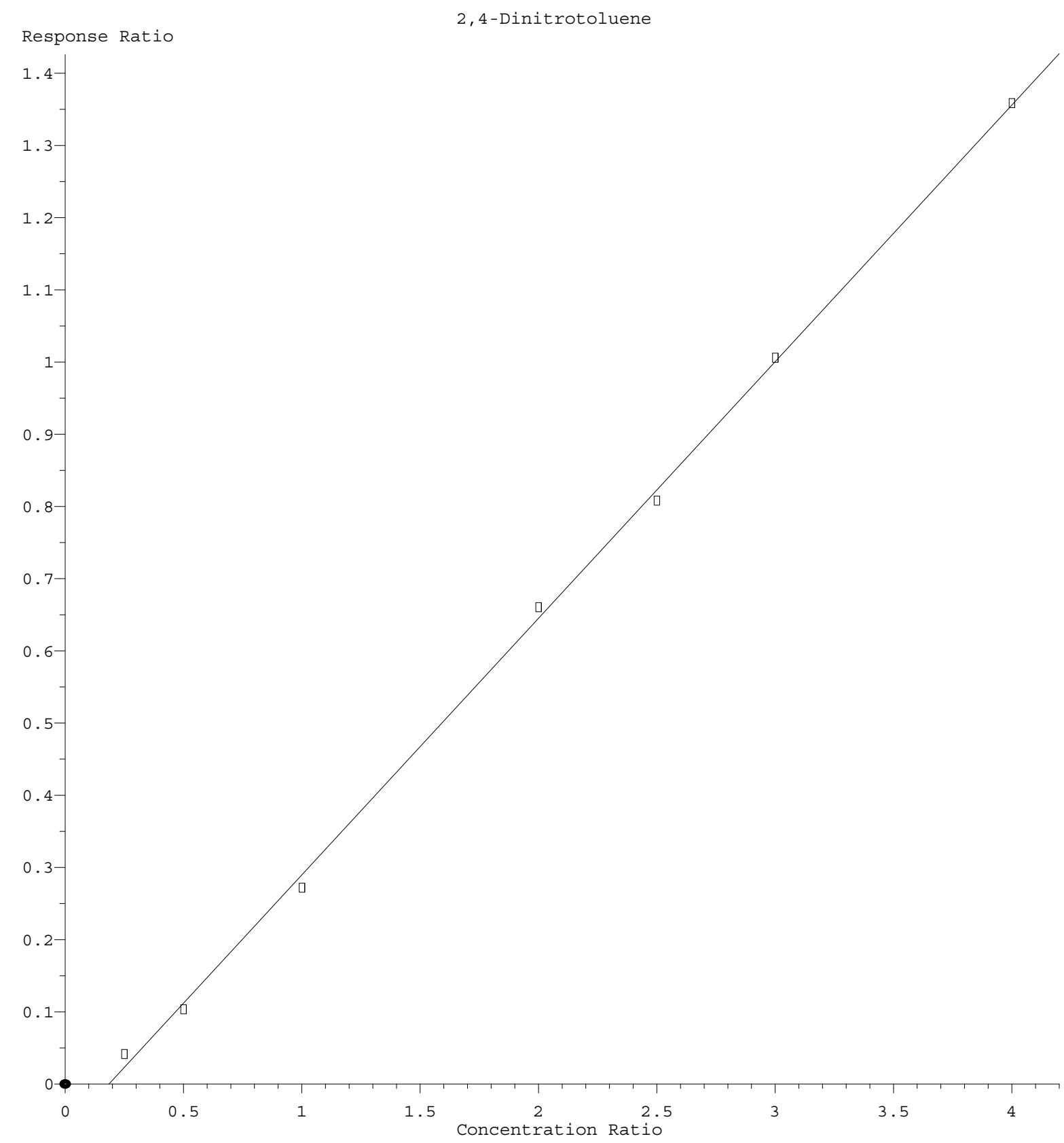
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102722.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.039	1.055	1.248	1.461	1.456	1.561	1.477	1.328	16.14
88)		Benzo(b)fluora...	1.387	1.371	1.410	1.287	1.201	1.261	1.134	1.293	7.94
89)		Benzo(k)fluora...	1.412	1.219	1.361	1.297	1.236	1.150	1.143	1.260	8.11
90)	C	Benzo(a)pyrene	1.057	1.008	1.083	1.084	1.016	1.040	0.986	1.039	3.63
91)		Dibenzo(a,h)an...	0.848	0.862	1.024	1.207	1.187	1.272	1.178	1.083	15.93
92)		Benzo(g,h,i)pe...	0.816	0.845	1.038	1.246	1.229	1.317	1.241	1.105	18.63

(#) = Out of Range



Response = 1.001e-001 * Amt - 3.969e-002
Coef of Det (r^2) = 0.995628 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF102722.M
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022



Response = 3.556e-001 * Amt - 6.589e-002
Coef of Det (r^2) = 0.999166 Curve Fit: Linear
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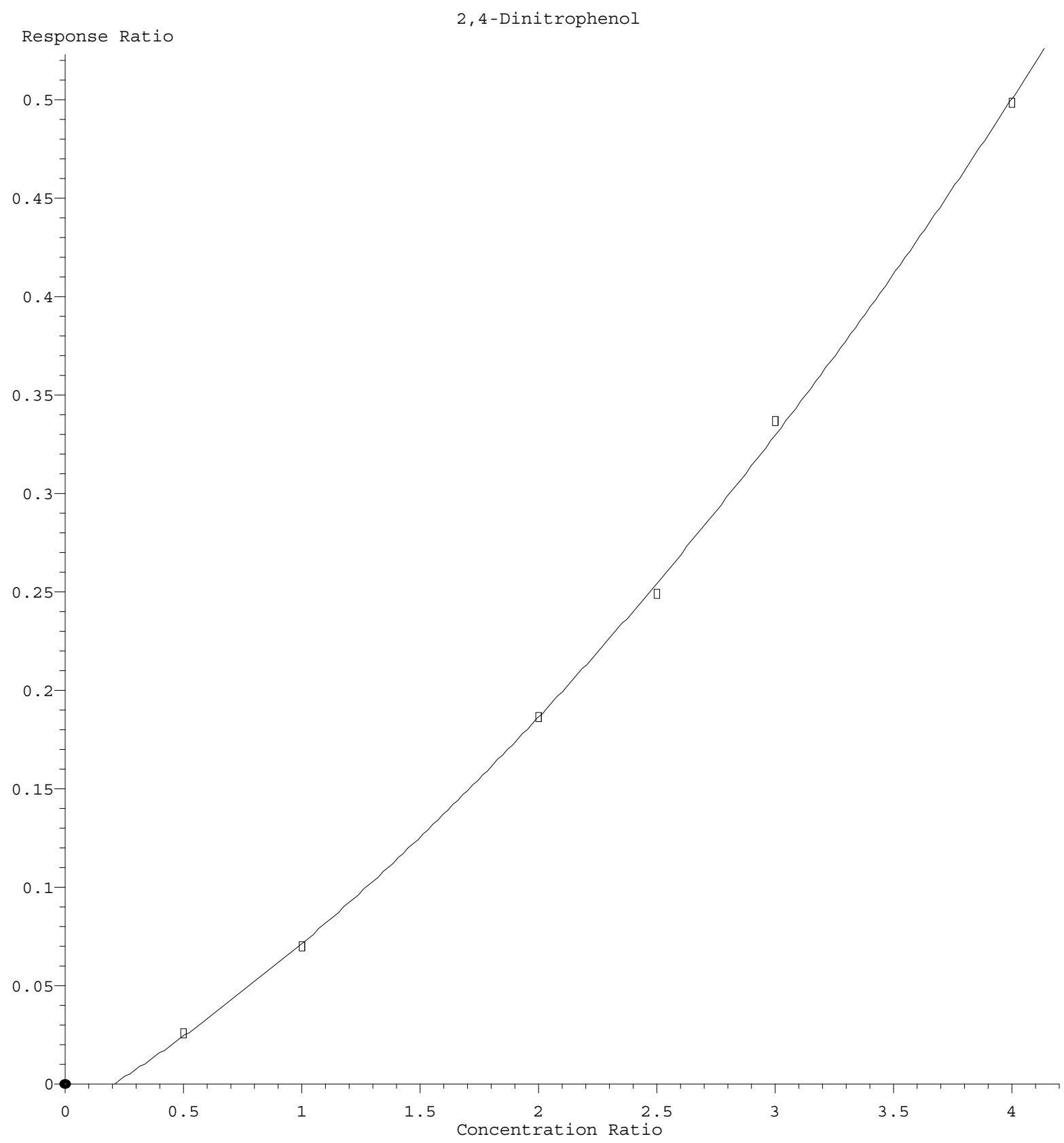
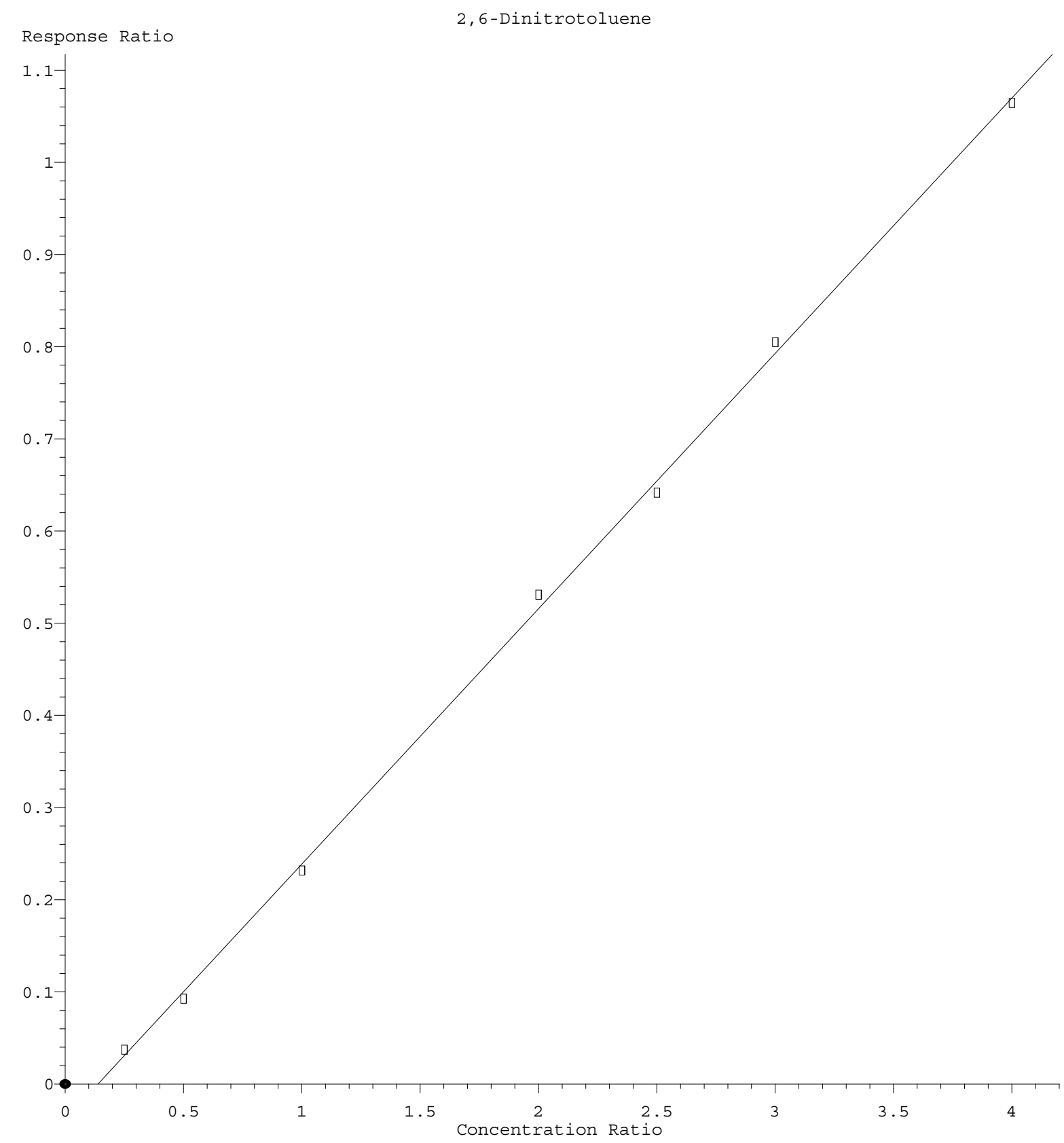
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022



R = 1.398e-002 A*A + 7.312e-002 A - 1.575e-002
Coef of Det (r^2) = 0.999403 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF102722.M
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022



Response = 2.772e-001 * Amt - 3.866e-002
Coef of Det (r^2) = 0.999192 Curve Fit: Linear
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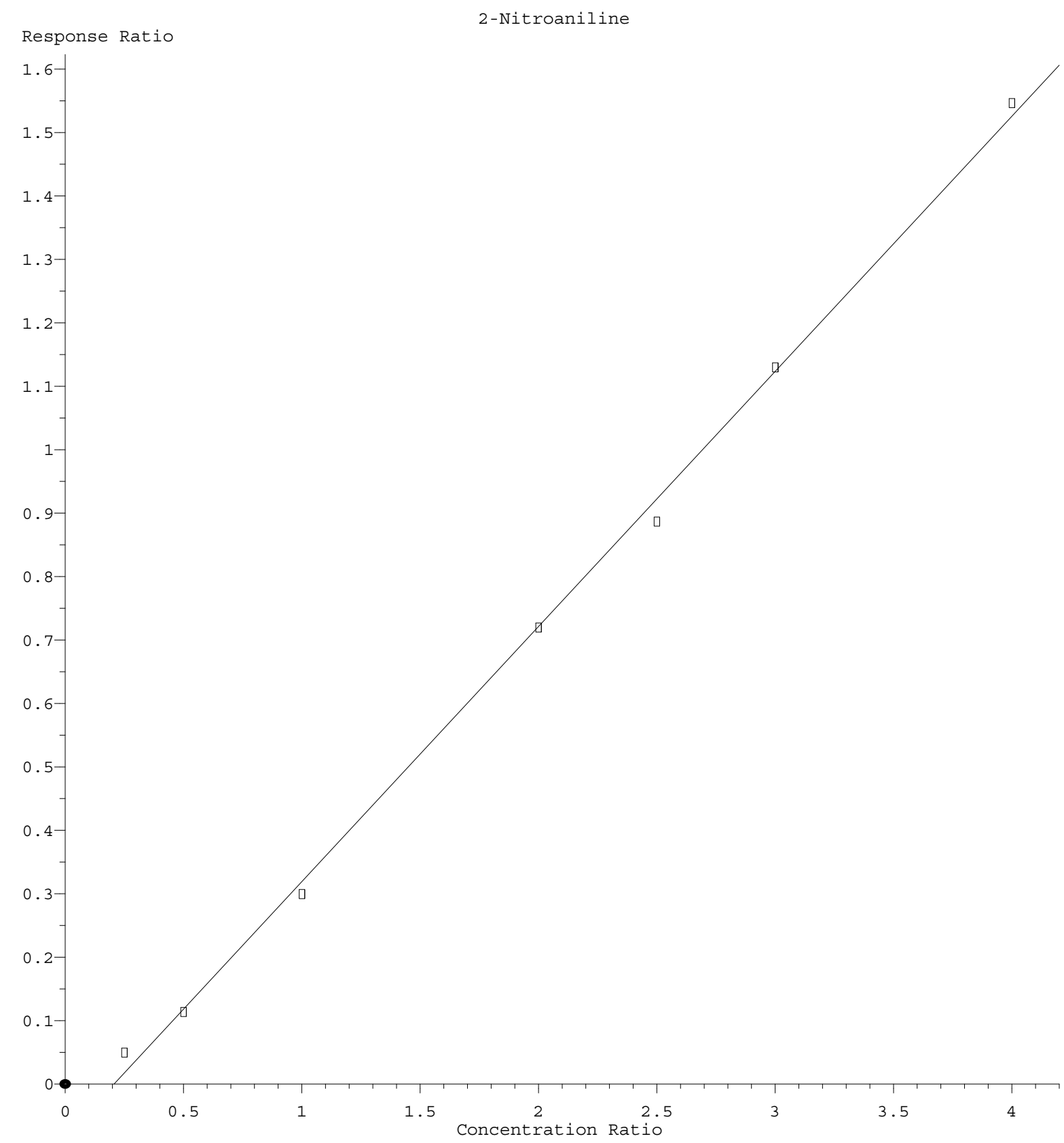
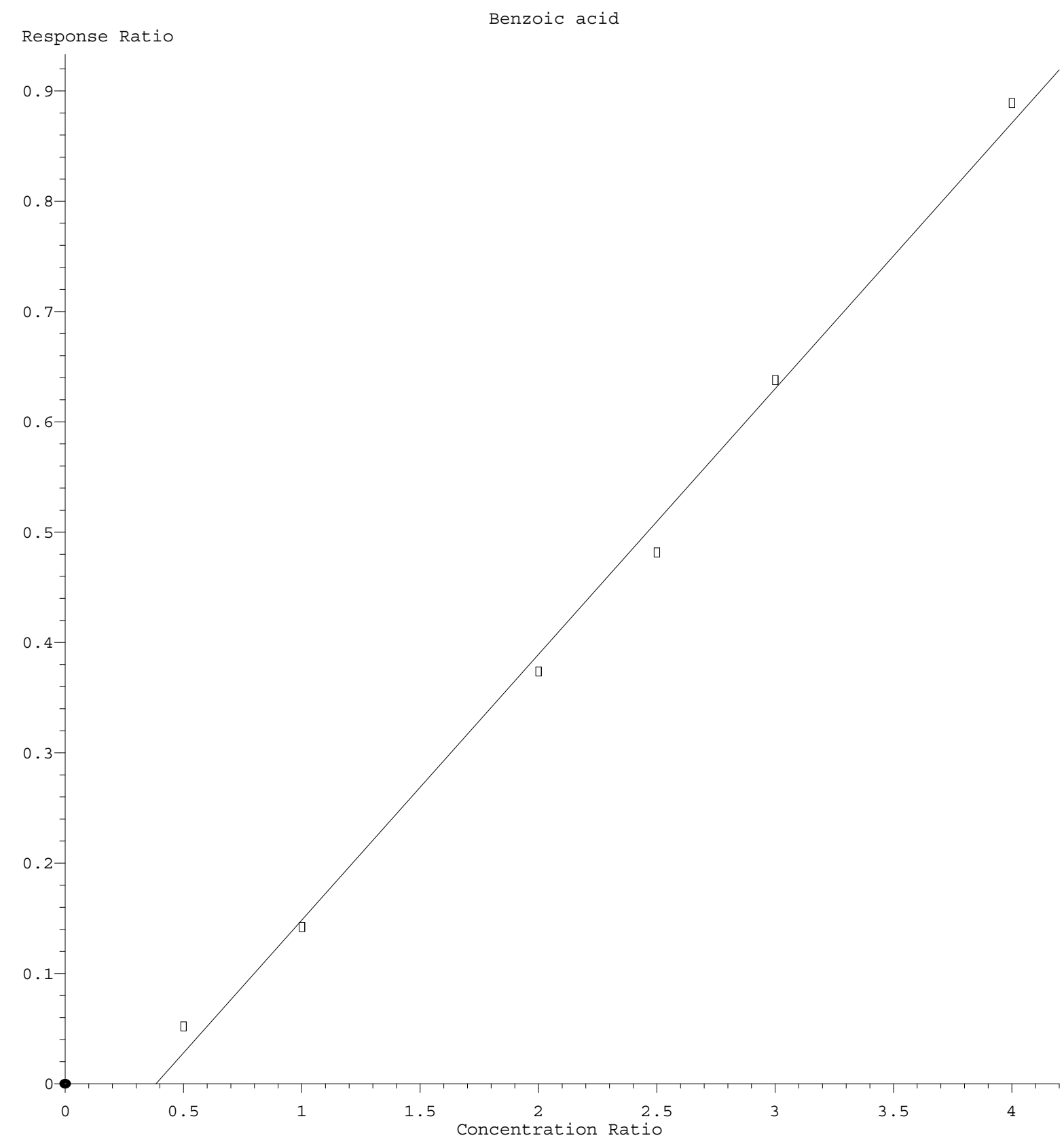
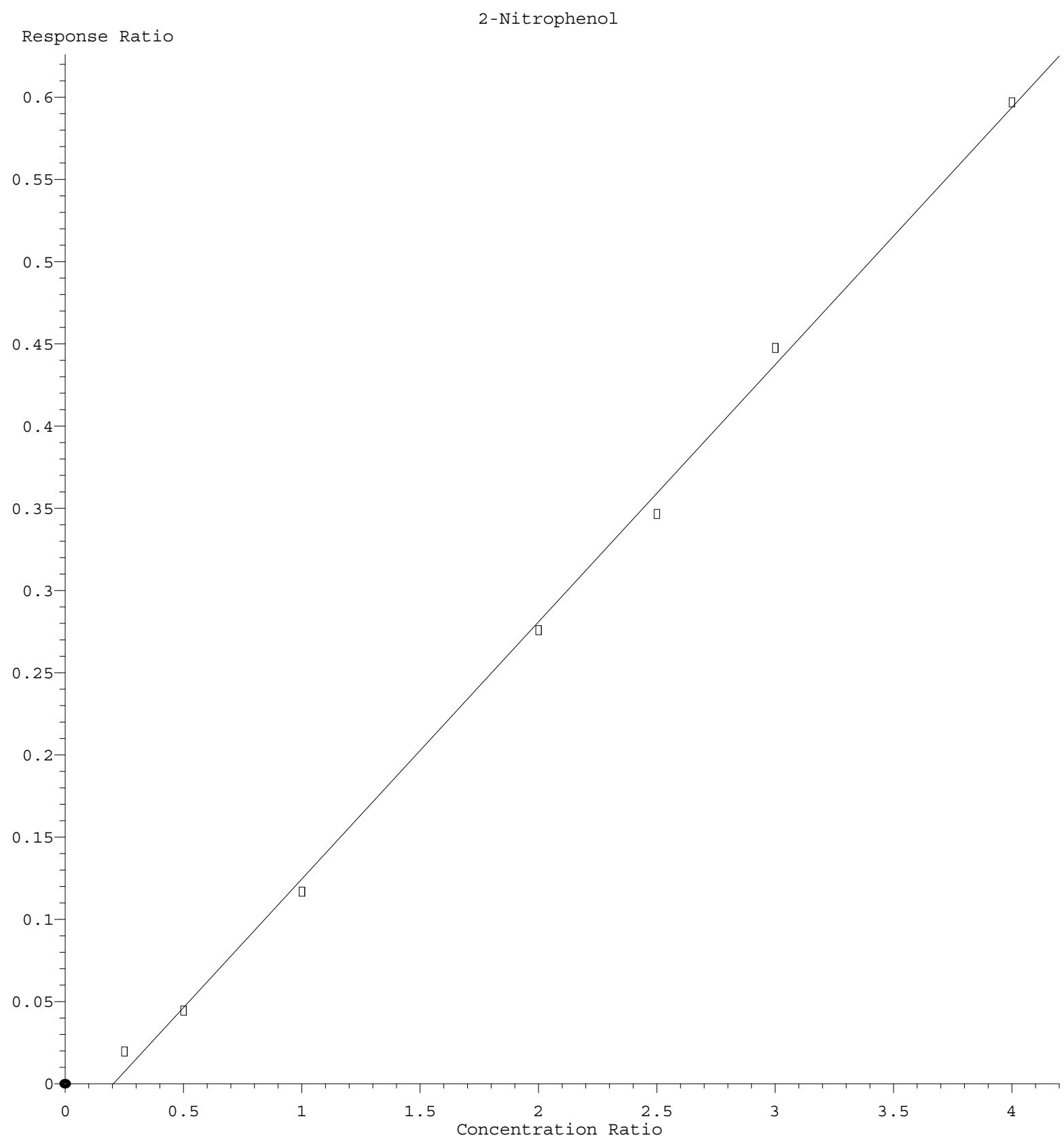
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022



Response = 4.021e-001 * Amt - 8.338e-002
Coef of Det (r^2) = 0.998291 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF102722.M
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022



Response = 2.408e-001 * Amt - 9.248e-002
Coef of Det (r^2) = 0.995827 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF102722.M
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022



Response = 1.563e-001 * Amt - 3.189e-002
Coef of Det (r^2) = 0.998175 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF102722.M
Calibration Table Last Updated: Fri Oct 28 04:00:21 2022