Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 14 04:00:17 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BP012615.D 5 =BP012616.D 10 =BP012617.D 20 =BP012618.D 40 =BP012626.D 50 =BP012620.D 60 =BP012621.D 80 =BP0126
22.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.504	0.491	0.487	0.458	0.435	0.436	0.416	0.461	7.26
3)		Pyridine		1.277	1.355	1.393	1.365	1.323	1.361	1.329	1.343	2.79
4)		n-Nitrosodimet...		0.476	0.500	0.529	0.506	0.482	0.501	0.486	0.497	3.58
5)	S	2-Fluorophenol	1.040	1.069	1.111	1.151	1.077	1.047	1.072	1.025	1.074	3.79
6)		Aniline		1.797	1.899	1.992	1.888	1.878	1.909	1.842	1.887	3.19
7)	S	Phenol-d6	1.393	1.495	1.525	1.613	1.494	1.471	1.507	1.429	1.491	4.41
8)		2-Chlorophenol		1.363	1.407	1.447	1.346	1.315	1.350	1.293	1.360	3.86
9)		Benzaldehyde		1.059	1.037	1.029	0.876	0.827	0.814		0.940	12.08
10)	C	Phenol		1.662	1.710	1.780	1.681	1.652	1.690	1.616	1.684	3.08
11)		bis(2-Chloroet...		1.437	1.462	1.478	1.373	1.344	1.365	1.290	1.393	4.91
12)		1,3-Dichlorobe...		1.585	1.566	1.604	1.461	1.429	1.461	1.384	1.499	5.71
13)	C	1,4-Dichlorobe...		1.648	1.600	1.626	1.491	1.463	1.485	1.426	1.534	5.76
14)		1,2-Dichlorobe...		1.542	1.542	1.570	1.411	1.393	1.415	1.344	1.460	6.12
15)		Benzyl Alcohol		0.969	1.047	1.181	1.142	1.139	1.179	1.154	1.116	7.07
16)		2,2'-oxybis(1-...		1.963	1.934	1.955	1.761	1.723	1.701	1.624	1.809	7.69
17)		2-Methylphenol		1.110	1.179	1.235	1.168	1.142	1.168	1.122	1.161	3.59
18)		Hexachloroethane		0.548	0.565	0.575	0.548	0.535	0.547	0.523	0.549	3.13
19)	P	n-Nitroso-di-n...	1.079	1.099	1.144	1.189	1.060	1.050	1.058	0.979	1.082	5.86
20)		3+4-Methylphenols		1.521	1.649	1.751	1.642	1.626	1.657	1.572	1.631	4.40
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.490	0.520	0.527	0.489	0.483	0.501	0.477	0.498	3.78
23)	S	Nitrobenzene-d5	0.329	0.340	0.365	0.385	0.365	0.360	0.375	0.364	0.360	5.05
24)		Nitrobenzene		0.354	0.375	0.390	0.375	0.371	0.386	0.377	0.375	3.09
25)		Isophorone		0.605	0.650	0.701	0.691	0.685	0.710	0.699	0.677	5.51
26)	C	2-Nitrophenol		0.138	0.161	0.182	0.192	0.190	0.199	0.199	0.180	12.67
27)		2,4-Dimethylph...		0.250	0.262	0.281	0.272	0.269	0.278	0.272	0.269	3.85
28)		bis(2-Chloroet...		0.416	0.431	0.443	0.420	0.410	0.420	0.397	0.420	3.46
29)	C	2,4-Dichloroph...		0.276	0.307	0.333	0.326	0.323	0.337	0.331	0.319	6.64
30)		1,2,4-Trichlor...		0.340	0.347	0.359	0.341	0.336	0.350	0.346	0.345	2.17
31)		Naphthalene		1.118	1.124	1.136	1.056	1.046	1.079	1.046	1.087	3.59
32)		Benzoic acid			0.172	0.224	0.269	0.271	0.289	0.289	0.252	18.18
33)		4-Chloroaniline		0.417	0.450	0.472	0.450	0.454	0.468	0.461	0.453	4.00
34)	C	Hexachlorobuta...		0.210	0.218	0.222	0.217	0.211	0.226	0.225	0.219	2.92
35)		Caprolactam		0.080	0.093	0.109	0.110	0.116	0.119	0.118	0.107	13.76
36)	C	4-Chloro-3-met...		0.317	0.348	0.372	0.364	0.367	0.379	0.372	0.360	5.87
37)		2-Methylnaphth...		0.787	0.806	0.817	0.762	0.759	0.773	0.747	0.779	3.31
38)		1-Methylnaphth...		0.775	0.793	0.802	0.739	0.738	0.756	0.732	0.762	3.68

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39)	I	Acenaphthene-d10	----------ISTD----------									
40)		1,2,4,5-Tetrac...		0.574	0.596	0.618	0.597	0.583	0.607	0.596	0.596	2.44
41)	P	Hexachlorocycl...			0.182	0.235	0.290	0.276	0.299	0.307	0.265	18.02
42)	S	2,4,6-Tribromo...	0.221	0.240	0.264	0.286	0.277	0.285	0.306	0.304	0.273	10.95
43)	C	2,4,6-Trichlor...		0.356	0.403	0.435	0.433	0.427	0.444	0.432	0.419	7.23
44)		2,4,5-Trichlor...		0.416	0.445	0.481	0.477	0.476	0.495	0.481	0.467	5.81
45)	S	2-Fluorobiphenyl	1.449	1.416	1.426	1.413	1.233	1.216	1.238	1.150	1.317	9.05
46)		1,1'-Biphenyl		1.542	1.563	1.565	1.447	1.421	1.448	1.382	1.481	5.01
47)		2-Chloronaphth...		1.182	1.206	1.221	1.144	1.121	1.150	1.113	1.162	3.58
48)		2-Nitroaniline		0.270	0.322	0.363	0.370	0.373	0.386	0.377	0.352	11.75
49)		Acenaphthylene		1.826	1.939	1.973	1.817	1.806	1.830	1.732	1.846	4.46
50)		Dimethylphthalate		1.561	1.629	1.664	1.549	1.548	1.590	1.523	1.581	3.19
51)		2,6-Dinitrotol...		0.291	0.324	0.356	0.344	0.344	0.355	0.346	0.337	6.79
52)	C	Acenaphthene		1.161	1.188	1.198	1.093	1.076	1.101	1.049	1.124	5.19
53)		3-Nitroaniline		0.283	0.338	0.383	0.375	0.383	0.393	0.384	0.363	10.89
54)	P	2,4-Dinitrophenol			0.148	0.197	0.218	0.224	0.236	0.241	0.211	16.44
55)		Dibenzofuran		1.931	1.928	1.918	1.683	1.679	1.700	1.593	1.776	8.12
56)	P	4-Nitrophenol			0.252	0.303	0.301	0.315	0.321	0.318	0.301	8.52
57)		2,4-Dinitrotol...		0.357	0.422	0.471	0.436	0.450	0.463	0.441	0.434	8.66
58)		Fluorene		1.541	1.560	1.550	1.299	1.308	1.318	1.238	1.402	10.07
59)		2,3,4,6-Tetrac...		0.385	0.428	0.452	0.428	0.427	0.451	0.442	0.430	5.26
60)		Diethylphthalate		1.543	1.613	1.685	1.549	1.561	1.588	1.537	1.582	3.33
61)		4-Chlorophenyl...		0.761	0.752	0.755	0.650	0.652	0.664	0.631	0.695	8.33
62)		4-Nitroaniline		0.232	0.320	0.375	0.361	0.378	0.387	0.386	0.348	16.20
63)		Azobenzene		1.326	1.476	1.545	1.405	1.398	1.414	1.364	1.418	5.11
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.112	0.133	0.140	0.140	0.145	0.145	0.136	9.28
66)	c	n-Nitrosodiphe...		0.601	0.617	0.626	0.588	0.574	0.576	0.546	0.590	4.67
67)		4-Bromophenyl-...		0.217	0.220	0.232	0.228	0.222	0.229	0.226	0.225	2.34
68)		Hexachlorobenzene		0.264	0.268	0.274	0.268	0.263	0.273	0.270	0.268	1.61
69)		Atrazine		0.185	0.206	0.220	0.205	0.208	0.212	0.203	0.206	5.14
70)	C	Pentachlorophenol		0.127	0.149	0.169	0.175	0.175	0.184	0.182	0.166	12.48
71)		Phenanthrene		1.174	1.177	1.178	1.062	1.056	1.060	1.009	1.102	6.48
72)		Anthracene		1.063	1.112	1.138	1.028	1.032	1.040	0.991	1.058	4.86
73)		Carbazole		0.973	1.046	1.074	0.953	0.972	0.978	0.938	0.991	5.06
74)		Di-n-butylphth...		1.117	1.260	1.345	1.238	1.258	1.256	1.185	1.237	5.72
75)	C	Fluoranthene		1.308	1.389	1.410	1.190	1.268	1.277	1.204	1.292	6.52
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine		0.421	0.402	0.426	0.526	0.430	0.445	0.439	0.441	9.03
78)		Pyrene		1.402	1.386	1.417	1.573	1.299	1.315	1.266	1.380	7.41
79)	S	Terphenyl-d14	1.136	1.099	1.034	1.014	1.039	0.872	0.878	0.827	0.987	11.55
80)		Butylbenzylpht...		0.470	0.544	0.615	0.654	0.605	0.617	0.585	0.584	10.34
81)		Benzo(a)anthra...		1.352	1.390	1.418	1.344	1.282	1.317	1.259	1.337	4.23
82)		3,3'-Dichlorob...		0.405	0.468	0.496	0.456	0.454	0.470	0.448	0.457	6.06
83)		Chrysene		1.325	1.357	1.357	1.270	1.215	1.232	1.167	1.275	5.83
84)		Bis(2-ethylhex...		0.634	0.780	0.881	0.862	0.821	0.833	0.784	0.799	10.26
85)	c	Di-n-octyl pht...		0.959	1.294	1.495	1.325	1.443	1.500	1.421	1.348	13.99

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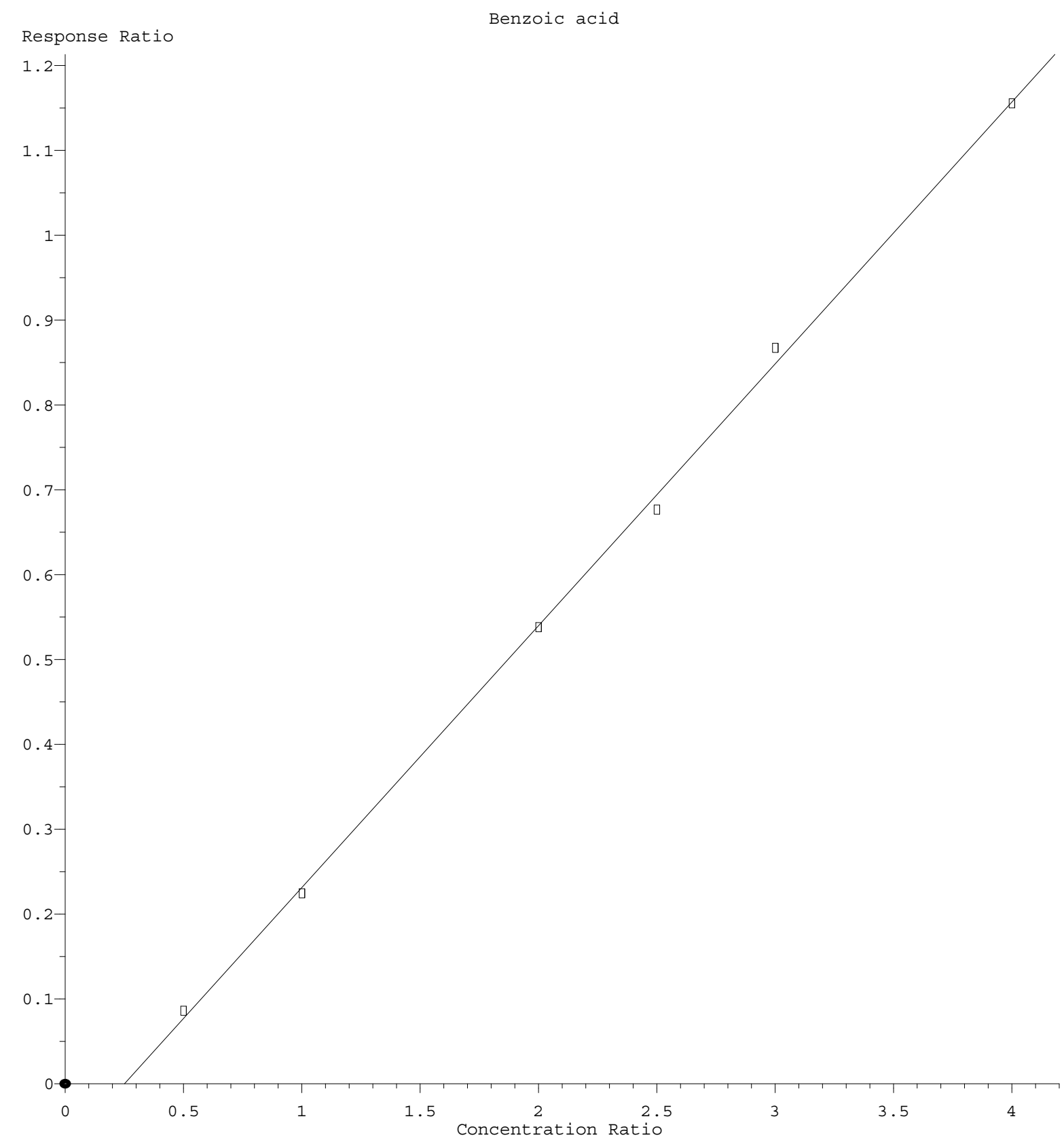
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.239	1.476	1.516	1.532	1.372	1.435	1.352	1.417	7.32
88)		Benzo(b)fluora...	1.314	1.295	1.325	1.343	1.248	1.240	1.241	1.287	3.35
89)		Benzo(k)fluora...	1.315	1.296	1.330	1.254	1.218	1.223	1.151	1.255	5.05
90)	C	Benzo(a)pyrene	0.993	1.043	1.100	1.075	1.042	1.064	1.038	1.051	3.19
91)		Dibenzo(a,h)an...	1.053	1.243	1.281	1.269	1.149	1.188	1.110	1.185	7.22
92)		Benzo(g,h,i)pe...	0.993	1.196	1.235	1.271	1.107	1.180	1.115	1.157	8.06

(#) = Out of Range



Response = 3.086e-001 * Amt - 7.734e-002
Coef of Det (r^2) = 0.999000 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111222.M
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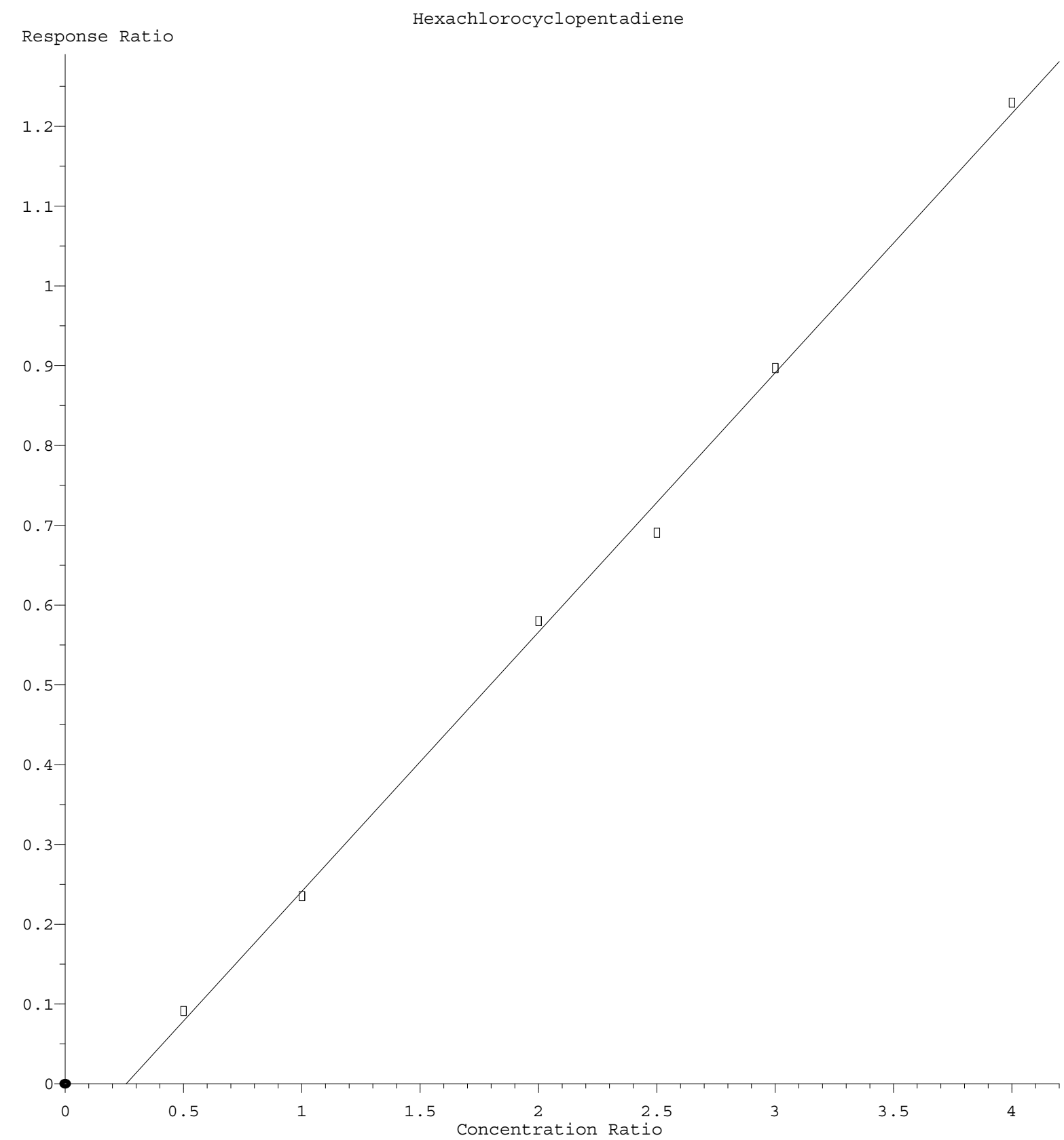

Response = 3.250e-001 * Amt - 8.373e-002
Coef of Det (r^2) = 0.997678 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111222.M
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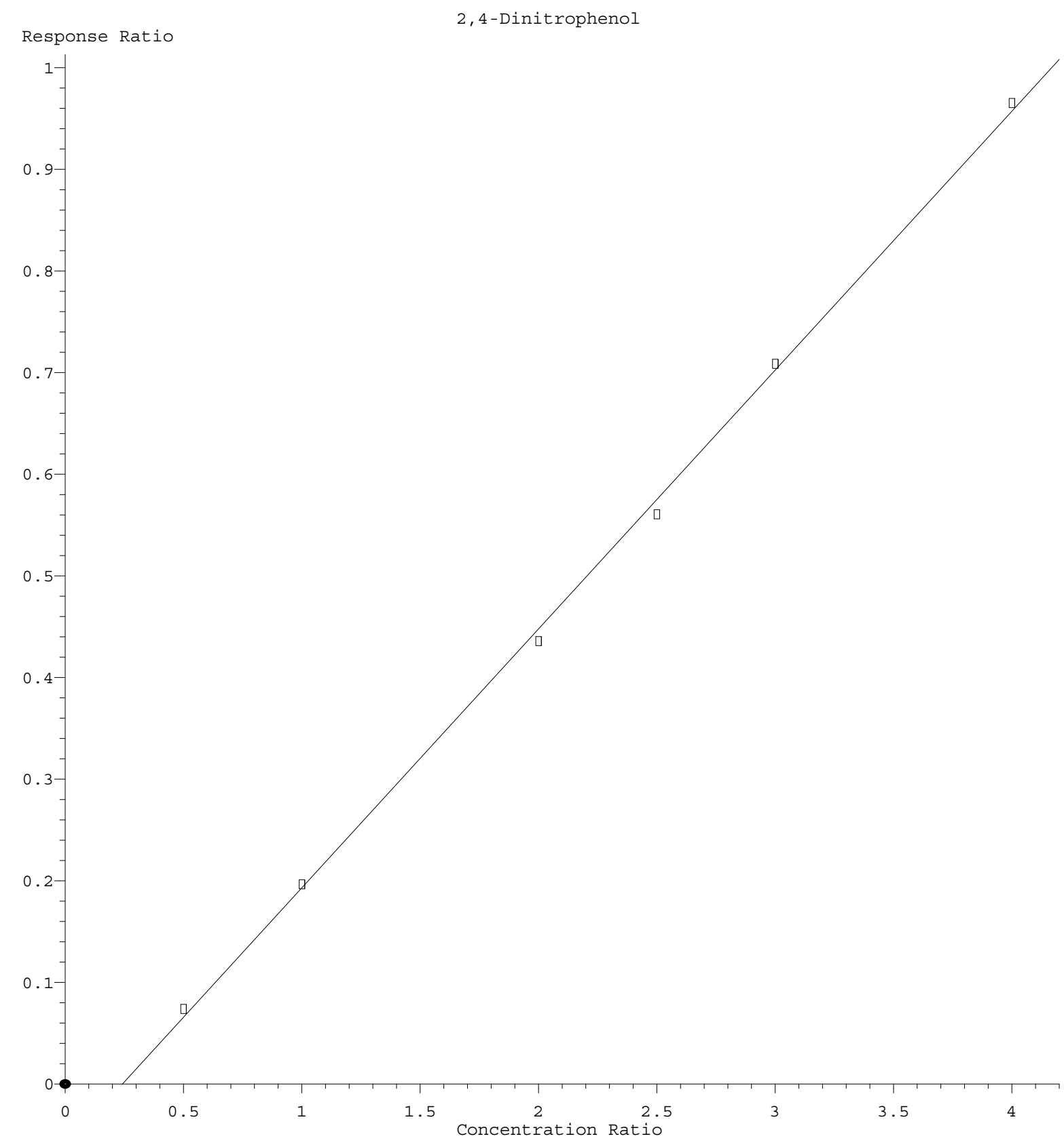

Response = 2.546e-001 * Amt - 6.162e-002
Coef of Det (r^2) = 0.999008 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111222.M
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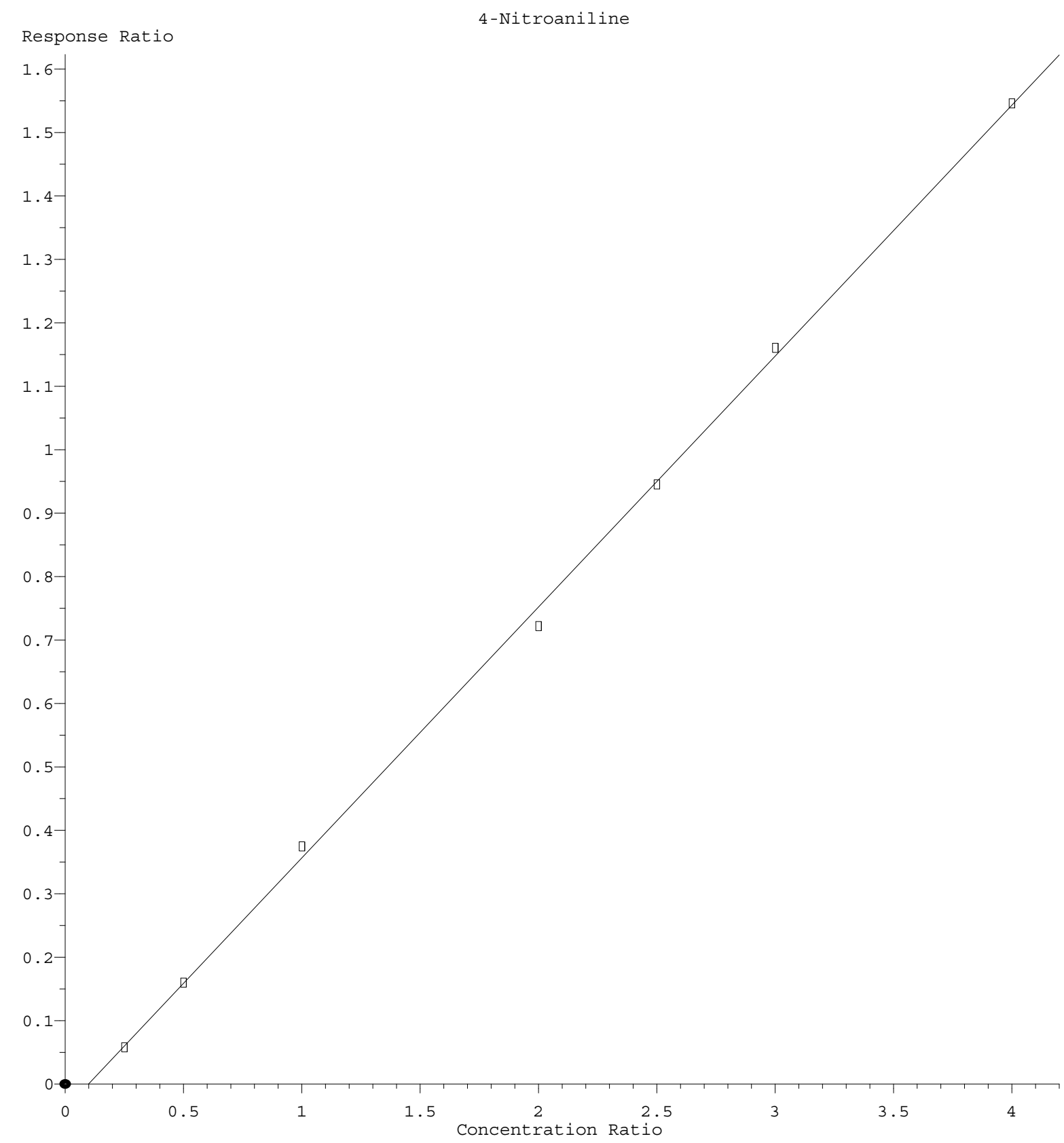

Response = 3.955e-001 * Amt - 3.926e-002
Coef of Det (r^2) = 0.999197 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111222.M
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