Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 28 03:04:20 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136217.D 5 =BF136218.D 10 =BF136219.D 20 =BF136220.D 40 =BF136221.D 50 =BF136222.D 60 =BF136223.D 80 =BF1362
24.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.542	0.522	0.550	0.571	0.534	0.552	0.535	0.544	2.91
3)		Pyridine		1.301	1.299	1.407	1.409	1.300	1.360	1.318	1.342	3.73
4)		n-Nitrosodimet...		0.641	0.638	0.681	0.711	0.672	0.713	0.692	0.678	4.49
5)	S	2-Fluorophenol		1.357	1.390	1.496	1.502	1.420	1.473	1.420	1.437	3.84
6)		Aniline		1.760	1.716	1.857	1.864	1.165	1.795	1.731	1.698	14.24
7)	S	Phenol-d6		1.798	1.746	1.868	1.880	1.741	1.812	1.732	1.797	3.37
8)		2-Chlorophenol		1.560	1.487	1.615	1.645	1.523	1.592	1.529	1.565	3.57
9)		Benzaldehyde		1.111	1.088	1.082	0.922	0.804			1.001	13.34
10)	C	Phenol		1.876	1.879	2.006	2.055	1.832	1.973	1.872	1.928	4.33
11)		bis(2-Chloroet...		1.390	1.341	1.450	1.479	1.397	1.455	1.386	1.414	3.45
12)		1,3-Dichlorobe...		1.716	1.675	1.834	1.879	1.747	1.832	1.744	1.776	4.16
13)	C	1,4-Dichlorobe...		1.743	1.709	1.861	1.907	1.765	1.865	1.785	1.805	4.05
14)		1,2-Dichlorobe...		1.628	1.650	1.797	1.811	1.663	1.740	1.672	1.709	4.31
15)		Benzyl Alcohol		1.176	1.199	1.351	1.343	1.250	1.286	1.213	1.260	5.51
16)		2,2'-oxybis(1-...		2.019	1.927	2.067	2.054	1.891	1.943	1.848	1.964	4.28
17)		2-Methylphenol		1.191	1.162	1.273	1.291	1.215	1.261	1.216	1.230	3.79
18)		Hexachloroethane		0.600	0.610	0.663	0.665	0.617	0.655	0.623	0.633	4.26
19)	P	n-Nitroso-di-n...	0.952	1.064	1.061	1.168	1.146	1.067	1.099	1.040	1.075	6.19
20)		3+4-Methylphenols		1.565	1.559	1.657	1.699	1.568	1.622	1.519	1.599	3.96
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.522	0.500	0.540	0.551	0.504	0.543	0.517	0.525	3.78
23)	S	Nitrobenzene-d5		0.354	0.354	0.389	0.399	0.374	0.398	0.381	0.378	4.96
24)		Nitrobenzene		0.365	0.359	0.390	0.404	0.375	0.401	0.390	0.384	4.53
25)		Isophorone		0.651	0.645	0.715	0.720	0.658	0.704	0.683	0.682	4.58
26)	C	2-Nitrophenol		0.137	0.146	0.167	0.176	0.165	0.180	0.172	0.163	9.76
27)		2,4-Dimethylph...		0.208	0.209	0.219	0.225	0.208	0.223	0.213	0.215	3.47
28)		bis(2-Chloroet...		0.403	0.390	0.426	0.434	0.404	0.423	0.409	0.413	3.81
29)	C	2,4-Dichloroph...		0.269	0.276	0.296	0.306	0.285	0.309	0.290	0.290	5.11
30)		1,2,4-Trichlor...		0.350	0.333	0.358	0.373	0.345	0.373	0.355	0.355	4.10
31)		Naphthalene		1.103	1.054	1.151	1.188	1.086	1.175	1.112	1.124	4.33
32)		Benzoic acid		0.153	0.160	0.193	0.215	0.204	0.223	0.224	0.196	14.94
33)		4-Chloroaniline		0.382	0.374	0.403	0.408	0.373	0.377	0.359	0.382	4.55
34)	C	Hexachlorobuta...		0.203	0.194	0.211	0.221	0.203	0.217	0.204	0.208	4.54
35)		Caprolactam		0.084	0.077	0.084	0.085	0.079	0.081	0.078	0.081	4.34
36)	C	4-Chloro-3-met...		0.301	0.299	0.328	0.334	0.307	0.322	0.311	0.315	4.27
37)		2-Methylnaphth...		0.712	0.679	0.733	0.734	0.685	0.714	0.679	0.705	3.41
38)		1-Methylnaphth...		0.700	0.653	0.714	0.724	0.661	0.701	0.662	0.688	4.17

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.624	0.608	0.641	0.674	0.621	0.657	0.631	0.637	3.56
41)	P	Hexachlorocycl...	0.185	0.209	0.244	0.279	0.258	0.273	0.267	0.245	14.36
42)	S	2,4,6-Tribromo...	0.234	0.227	0.254	0.261	0.242	0.249	0.245	0.245	4.78
43)	C	2,4,6-Trichlor...	0.377	0.392	0.421	0.442	0.404	0.431	0.425	0.413	5.57
44)		2,4,5-Trichlor...	0.429	0.435	0.452	0.472	0.446	0.470	0.453	0.451	3.61
45)	S	2-Fluorobiphenyl	1.604	1.557	1.640	1.634	1.499	1.572	1.454	1.566	4.41
46)		1,1'-Biphenyl	1.726	1.702	1.835	1.862	1.705	1.805	1.710	1.764	3.87
47)		2-Chloronaphth...	1.330	1.295	1.387	1.468	1.339	1.421	1.348	1.370	4.33
48)		2-Nitroaniline	0.316	0.328	0.374	0.385	0.362	0.369	0.367	0.358	7.09
49)		Acenaphthylene	1.885	1.870	2.040	2.080	1.916	1.988	1.903	1.955	4.20
50)		Dimethylphthalate	1.492	1.449	1.567	1.595	1.475	1.526	1.477	1.512	3.53
51)		2,6-Dinitrotol...	0.293	0.287	0.325	0.328	0.309	0.310	0.309	0.309	4.88
52)	C	Acenaphthene	1.240	1.194	1.293	1.300	1.199	1.245	1.175	1.235	3.94
53)		3-Nitroaniline	0.303	0.289	0.321	0.320	0.305	0.306	0.299	0.306	3.66
54)	P	2,4-Dinitrophenol		0.106	0.133	0.154	0.149	0.158	0.161	0.144	14.66
55)		Dibenzofuran	1.856	1.787	1.935	1.955	1.764	1.825	1.744	1.838	4.46
56)	P	4-Nitrophenol	0.206	0.217	0.245	0.254	0.231	0.242	0.235	0.233	7.18
57)		2,4-Dinitrotol...	0.367	0.381	0.429	0.443	0.415	0.430	0.422	0.413	6.78
58)		Fluorene	1.514	1.438	1.521	1.501	1.372	1.414	1.332	1.442	5.11
59)		2,3,4,6-Tetrac...	0.351	0.345	0.370	0.381	0.352	0.364	0.348	0.359	3.64
60)		Diethylphthalate	1.547	1.445	1.564	1.572	1.484	1.508	1.465	1.512	3.32
61)		4-Chlorophenyl...	0.747	0.710	0.732	0.730	0.649	0.682	0.651	0.700	5.68
62)		4-Nitroaniline	0.293	0.285	0.317	0.322	0.298	0.299	0.285	0.300	4.83
63)		Azobenzene	1.408	1.344	1.462	1.470	1.366	1.410	1.353	1.402	3.61
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.084	0.103	0.115	0.112	0.122	0.121	0.109	13.24
66)	c	n-Nitrosodiphe...	0.616	0.619	0.636	0.678	0.618	0.669	0.650	0.641	3.96
67)		4-Bromophenyl-...	0.225	0.217	0.230	0.248	0.226	0.244	0.243	0.233	4.96
68)		Hexachlorobenzene	0.251	0.259	0.271	0.287	0.260	0.283	0.278	0.270	5.08
69)		Atrazine	0.191	0.186	0.200	0.201	0.180	0.192	0.180	0.190	4.43
70)	C	Pentachlorophenol	0.131	0.135	0.155	0.167	0.155	0.163	0.163	0.153	9.25
71)		Phenanthrene	1.113	1.089	1.132	1.188	1.079	1.159	1.108	1.124	3.46
72)		Anthracene	1.083	1.072	1.145	1.205	1.097	1.173	1.115	1.127	4.36
73)		Carbazole	0.945	0.915	0.981	1.027	0.938	0.961	0.945	0.959	3.80
74)		Di-n-butylphth...	1.101	1.112	1.229	1.299	1.186	1.259	1.212	1.200	6.08
75)	C	Fluoranthene	1.177	1.101	1.203	1.202	1.100	1.121	1.085	1.141	4.49
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.193	0.197	0.417	0.382	0.573	0.339	0.199	0.329	43.57
78)		Pyrene	1.803	1.854	2.168	2.442	2.260	2.458	2.349	2.190	12.19
79)	S	Terphenyl-d14	1.449	1.520	1.741	1.969	1.768	1.882	1.807	1.734	10.80
80)		Butylbenzylpht...	0.562	0.598	0.682	0.775	0.688	0.745	0.722	0.682	11.29
81)		Benzo(a)anthra...	1.450	1.444	1.517	1.583	1.426	1.504	1.475	1.486	3.63
82)		3,3'-Dichlorob...	0.340	0.346	0.354	0.386	0.374	0.367	0.336	0.358	5.15
83)		Chrysene	1.366	1.330	1.441	1.516	1.419	1.490	1.480	1.434	4.74
84)		Bis(2-ethylhex...	0.711	0.730	0.810	0.885	0.832	0.879	0.880	0.818	8.85
85)	c	Di-n-octyl pht...		0.910	1.058	1.269	1.264	1.422		1.185	16.95

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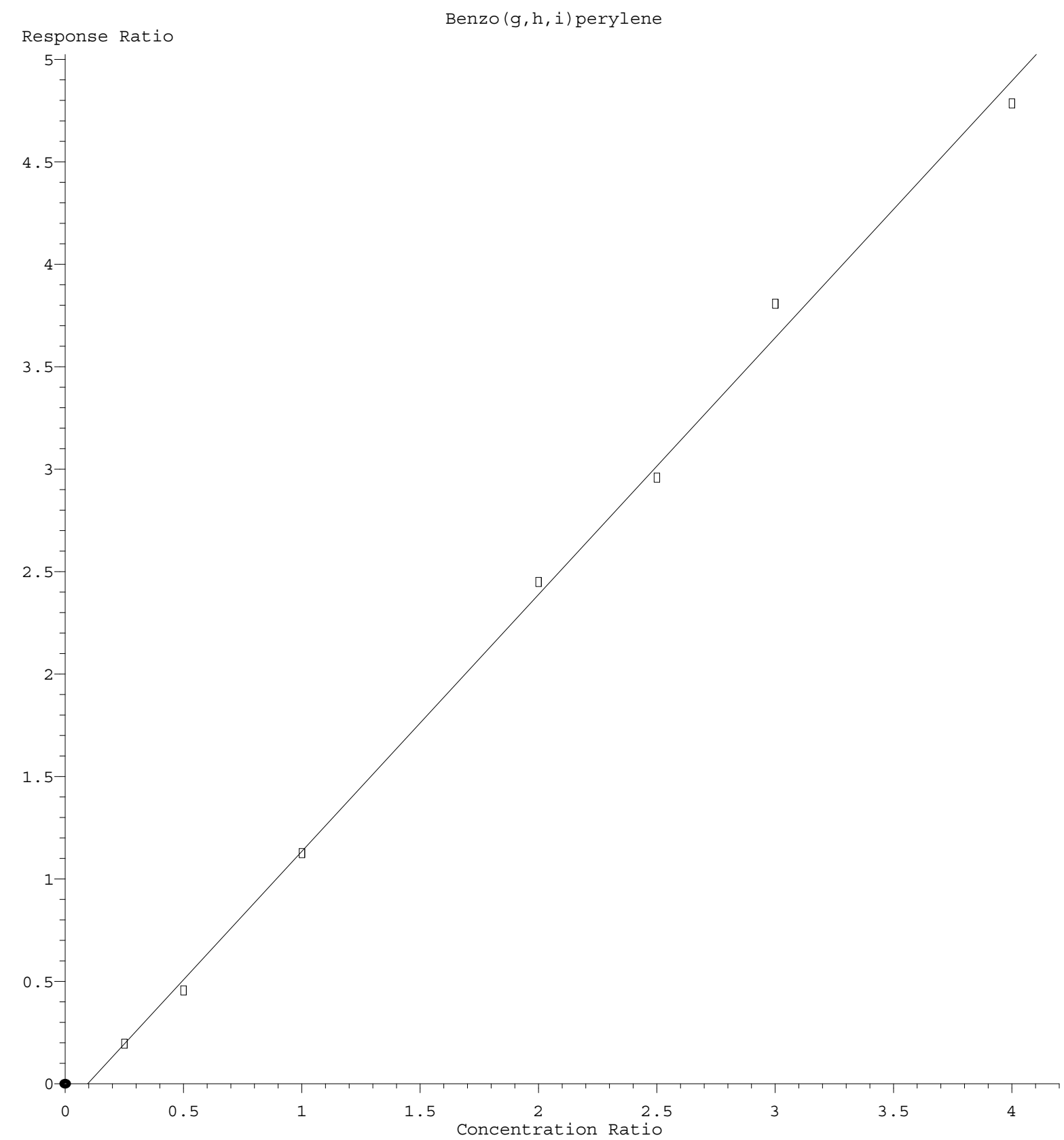
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.955	1.043	1.329	1.507	1.455	1.569	1.512	1.338	18.30
88)		Benzo(b)fluora...	1.471	1.416	1.447	1.377	1.349	1.409	1.353	1.403	3.30
89)		Benzo(k)fluora...	1.324	1.321	1.404	1.382	1.234	1.331	1.333	1.333	4.05
90)	C	Benzo(a)pyrene	1.120	1.072	1.160	1.172	1.126	1.202	1.178	1.147	3.84
91)		Dibenzo(a,h)an...	0.751	0.860	1.075	1.201	1.164	1.252	1.221	1.075	18.12
92)		Benzo(g,h,i)pe...	0.783	0.911	1.126	1.225	1.183	1.269	1.196	1.099	16.48

(#) = Out of Range



Response = 1.254e+000 * Amt - 1.191e-001
Coef of Det (r^2) = 0.997275 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112723.M
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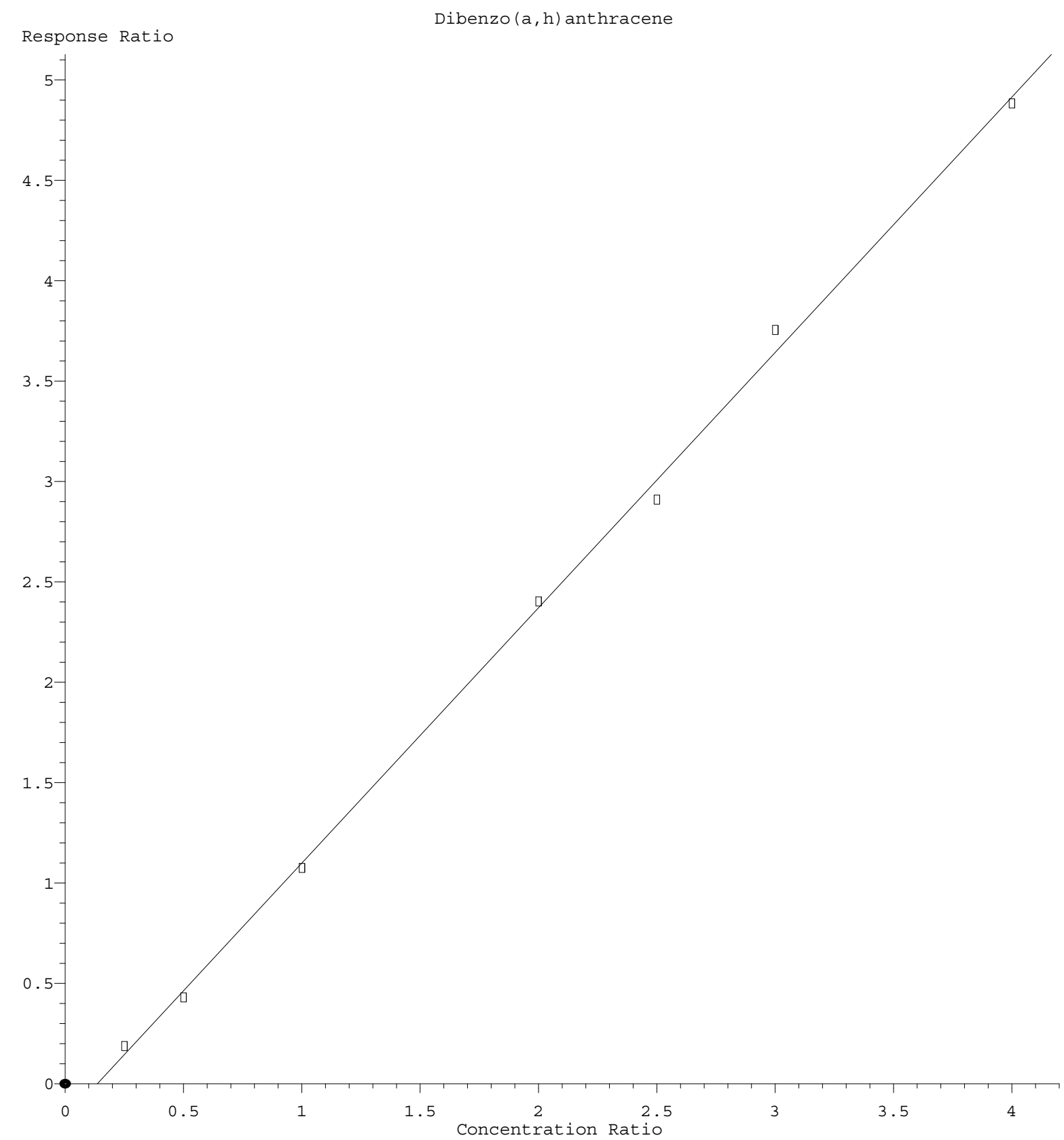

Response = 1.272e+000 * Amt - 1.725e-001
Coef of Det (r^2) = 0.998519 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112723.M
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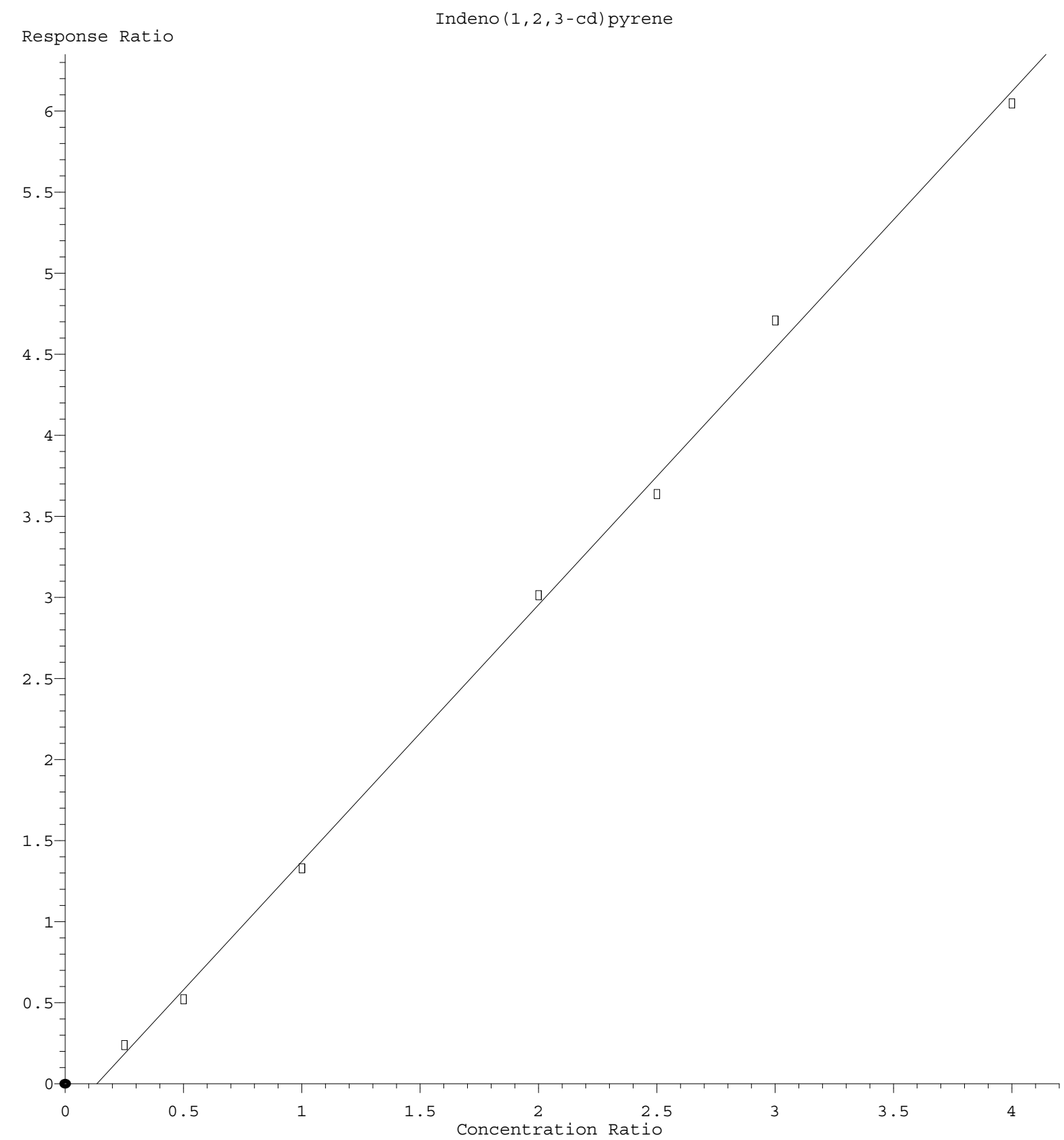

Response = 1.583e+000 * Amt - 2.121e-001
Coef of Det (r^2) = 0.997988 Curve Fit: Linear
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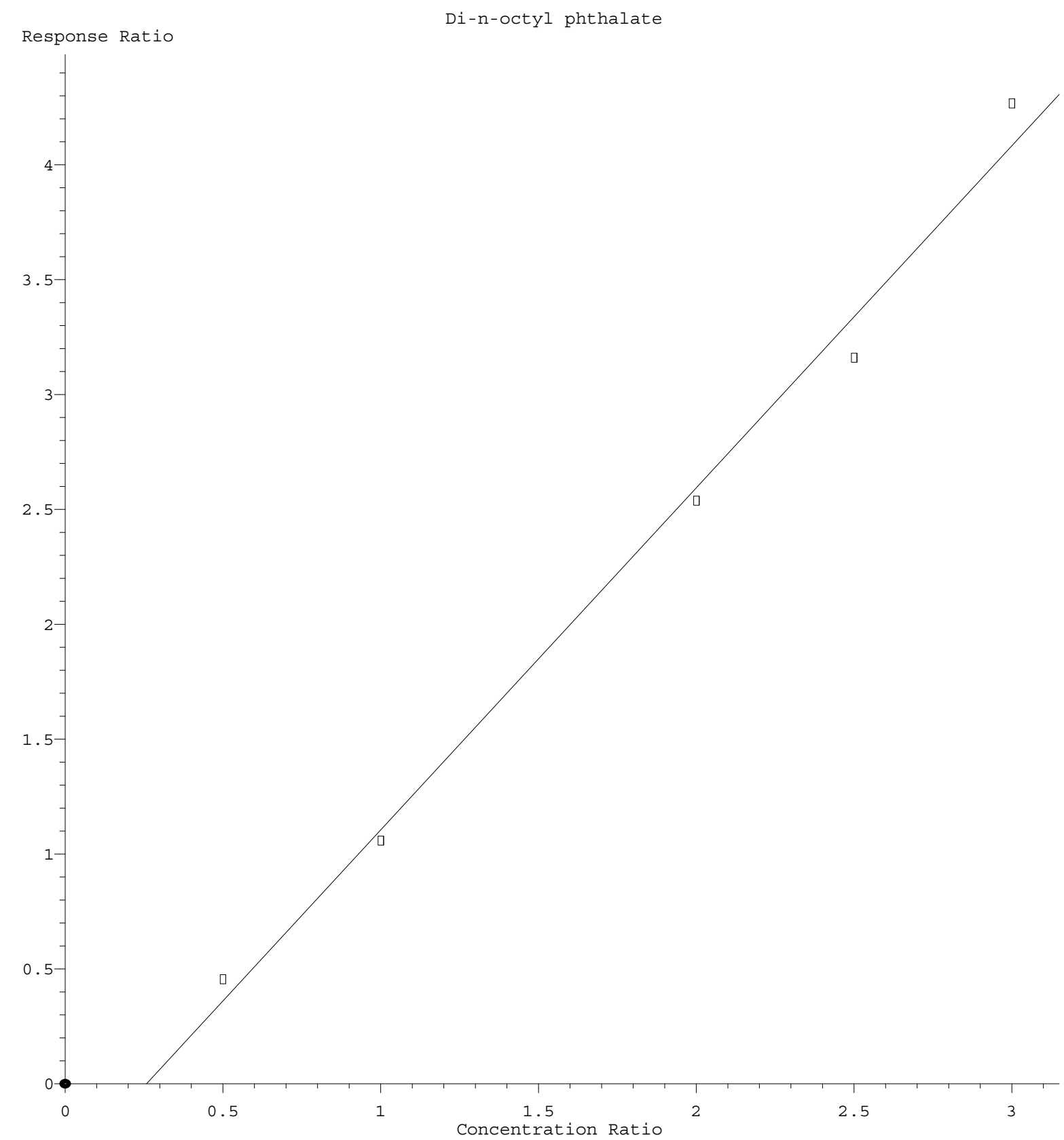

Response = 1.489e+000 * Amt - 3.843e-001
Coef of Det (r^2) = 0.991682 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112723.M
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