Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 10 04:15:17 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131080.D 5 =BF131081.D 10 =BF131082.D 20 =BF131083.D 40 =BF131084.D 50 =BF131085.D 60 =BF131086.D 80 =BF1310
87.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.523	0.546	0.698	0.711	0.514	0.537	0.522	0.579	14.99
3)		Pyridine		1.311	1.379	2.021	2.013	1.446	1.480	1.477	1.589	18.73
4)		n-Nitrosodimet...		0.766	0.810	1.156	1.135	0.832	0.861	0.858	0.917	17.42
5)	S	2-Fluorophenol	1.099	1.285	1.192	1.262	1.235	1.107	1.131	1.098	1.176	6.57
6)		Aniline		1.924	2.013	2.037	1.866	1.786	1.818	1.768	1.887	5.71
7)	S	Phenol-d6	1.677	1.647	1.627	1.620	1.473	1.421	1.441	1.395	1.538	7.51
8)		2-Chlorophenol		1.471	1.525	1.457	1.300	1.255	1.267	1.195	1.353	9.49
9)		Benzaldehyde		1.196	1.166	1.160	0.974	0.878	0.864	0.766	1.001	17.29
10)	C	Phenol		1.930	1.941	1.909	1.761	1.684	1.717	1.641	1.797	7.04
11)		bis(2-Chloroet...		1.383	1.448	1.330	1.241	1.197	1.235	1.168	1.286	8.04
12)		1,3-Dichlorobe...		1.622	1.614	1.610	1.480	1.411	1.420	1.375	1.505	7.19
13)	C	1,4-Dichlorobe...		1.599	1.687	1.633	1.503	1.427	1.455	1.394	1.528	7.34
14)		1,2-Dichlorobe...		1.579	1.599	1.534	1.376	1.303	1.304	1.214	1.416	10.85
15)		Benzyl Alcohol		1.129	1.262	1.282	1.206	1.127	1.141	1.086	1.176	6.37
16)		2,2'-oxybis(1-...		2.336	2.333	2.274	2.110	2.039	2.056	1.945	2.156	7.29
17)		2-Methylphenol		1.259	1.181	1.218	1.102	1.062	1.074	1.024	1.132	7.80
18)		Hexachloroethane		0.589	0.603	0.602	0.574	0.547	0.552	0.522	0.570	5.39
19)	P	n-Nitroso-di-n...	1.234	1.067	1.048	1.051	0.945	0.915	0.929	0.886	1.010	11.32
20)		3+4-Methylphenols		1.593	1.565	1.516	1.396	1.285	1.317	1.223	1.414	10.35
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.494	0.544	0.545	0.504	0.477	0.485	0.455	0.501	6.76
23)	S	Nitrobenzene-d5	0.566	0.395	0.447	0.458	0.436	0.413	0.427	0.404	0.443	12.22
24)		Nitrobenzene		0.402	0.452	0.461	0.435	0.416	0.434	0.406	0.429	5.28
25)		Isophorone		0.652	0.714	0.715	0.684	0.662	0.685	0.686	0.685	3.45
26)	C	2-Nitrophenol		0.186	0.191	0.198	0.189	0.188	0.193	0.189	0.191	1.98
27)		2,4-Dimethylph...		0.298	0.301	0.307	0.287	0.281	0.290	0.281	0.292	3.43
28)		bis(2-Chloroet...		0.399	0.407	0.403	0.378	0.376	0.385	0.371	0.388	3.71
29)	C	2,4-Dichloroph...		0.316	0.325	0.329	0.311	0.303	0.312	0.290	0.312	4.14
30)		1,2,4-Trichlor...		0.353	0.346	0.360	0.336	0.321	0.328	0.314	0.337	5.00
31)		Naphthalene		1.162	1.153	1.154	1.074	1.035	1.060	1.012	1.093	5.70
32)		Benzoic acid			0.117	0.160	0.198	0.199	0.217	0.216	0.184	21.17
33)		4-Chloroaniline		0.455	0.459	0.451	0.421	0.413	0.434	0.434	0.438	4.01
34)	C	Hexachlorobuta...		0.229	0.235	0.244	0.232	0.217	0.222	0.232	0.230	3.80
35)		Caprolactam		0.088	0.093	0.097	0.092	0.092	0.104	0.105	0.096	6.71
36)	C	4-Chloro-3-met...		0.343	0.344	0.358	0.335	0.326	0.363	0.350	0.346	3.70
37)		2-Methylnaphth...		0.732	0.716	0.728	0.669	0.687	0.717	0.684	0.704	3.47
38)		1-Methylnaphth...		0.705	0.698	0.699	0.691	0.685	0.693	0.657	0.690	2.27

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.670	0.689	0.697	0.645	0.625	0.641	0.604	0.653	5.19
41)	P	Hexachlorocycl...			0.177	0.241	0.266	0.269	0.288	0.288	0.255	16.45
42)	S	2,4,6-Tribromo...	0.207	0.196	0.209	0.218	0.211	0.201	0.211	0.201	0.207	3.40
43)	C	2,4,6-Trichlor...		0.416	0.427	0.452	0.429	0.416	0.441	0.418	0.429	3.20
44)		2,4,5-Trichlor...		0.472	0.479	0.500	0.484	0.468	0.490	0.463	0.480	2.75
45)	S	2-Fluorobiphenyl	1.590	1.564	1.551	1.532	1.378	1.293	1.325	1.228	1.433	9.94
46)		1,1'-Biphenyl		1.660	1.636	1.638	1.516	1.464	1.501	1.411	1.546	6.32
47)		2-Chloronaphth...		1.320	1.334	1.327	1.220	1.194	1.232	1.157	1.255	5.70
48)		2-Nitroaniline		0.429	0.460	0.489	0.468	0.437	0.468	0.446	0.457	4.57
49)		Acenaphthylene		1.992	2.028	2.058	1.908	1.819	1.873	1.744	1.917	6.00
50)		Dimethylphthalate		1.458	1.494	1.497	1.407	1.345	1.401	1.357	1.423	4.33
51)		2,6-Dinitrotol...		0.300	0.314	0.332	0.319	0.305	0.317	0.302	0.313	3.62
52)	C	Acenaphthene		1.203	1.208	1.213	1.126	1.085	1.121	1.050	1.144	5.71
53)		3-Nitroaniline		0.344	0.358	0.375	0.357	0.353	0.362	0.354	0.357	2.65
54)	P	2,4-Dinitrophenol			0.121	0.148	0.174	0.166	0.188	0.188	0.164	15.89
55)		Dibenzofuran		1.797	1.796	1.816	1.662	1.613	1.632	1.540	1.694	6.42
56)	P	4-Nitrophenol		0.191	0.210	0.249	0.248	0.250	0.263	0.254	0.238	11.08
57)		2,4-Dinitrotol...		0.409	0.414	0.441	0.425	0.405	0.420	0.394	0.416	3.64
58)		Fluorene		1.470	1.468	1.479	1.376	1.293	1.309	1.235	1.376	7.22
59)		2,3,4,6-Tetrac...		0.321	0.346	0.394	0.384	0.372	0.384	0.381	0.369	7.06
60)		Diethylphthalate		1.427	1.435	1.474	1.373	1.284	1.320	1.278	1.370	5.70
61)		4-Chlorophenyl...		0.688	0.677	0.684	0.627	0.603	0.614	0.588	0.640	6.54
62)		4-Nitroaniline		0.344	0.358	0.379	0.364	0.360	0.368	0.355	0.361	3.01
63)		Azobenzene		1.451	1.514	1.541	1.458	1.354	1.379	1.343	1.434	5.43
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...		0.093	0.112	0.131	0.134	0.133	0.155	0.143	0.129	15.81
66)	c	n-Nitrosodiphe...		0.698	0.710	0.696	0.636	0.625	0.702	0.640	0.672	5.48
67)		4-Bromophenyl-...		0.230	0.236	0.232	0.215	0.213	0.239	0.218	0.226	4.62
68)		Hexachlorobenzene		0.262	0.250	0.266	0.243	0.236	0.263	0.244	0.252	4.61
69)		Atrazine		0.213	0.213	0.218	0.209	0.194	0.213	0.197	0.208	4.23
70)	C	Pentachlorophenol			0.074	0.096	0.115	0.116	0.136	0.126	0.110	20.24
71)		Phenanthrene		1.202	1.190	1.177	1.114	1.036	0.955	1.026	1.100	8.74
72)		Anthracene		1.135	1.149	1.144	1.105	1.009	0.915	1.015	1.068	8.39
73)		Carbazole		1.012	1.023	1.026	0.967	0.920	0.784	0.913	0.949	9.13
74)		Di-n-butylphth...		0.837	1.161	1.170	1.325	1.040	0.921	1.042	1.071	15.33
75)	C	Fluoranthene		0.907	1.234	1.271	1.179	1.110	0.945	1.061	1.101	12.62
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine		0.641	0.628	0.606	0.512	0.588	0.610	0.545	0.590	7.81
78)		Pyrene		1.577	1.646	1.639	1.510	1.702	1.937	2.000	1.716	10.69
79)	S	Terphenyl-d14	1.121	1.112	1.139	1.102	0.993	1.103	1.287	1.269	1.141	8.36
80)		Butylbenzylpht...		0.586	0.596	0.612	0.538	0.640	0.675	0.653	0.614	7.50
81)		Benzo(a)anthra...		1.442	1.445	1.467	1.423	1.375	1.452	1.404	1.430	2.20
82)		3,3'-Dichlorob...		0.441	0.451	0.447	0.406	0.376	0.378	0.356	0.408	9.50
83)		Chrysene		1.394	1.413	1.406	1.289	1.301	1.364	1.283	1.350	4.25
84)		Bis(2-ethylhex...		0.637	0.649	0.689	0.649	0.688	0.680	0.650	0.663	3.28
85)	c	Di-n-octyl pht...		0.857	0.838	0.881	0.780	0.878	0.898	0.753	0.841	6.50

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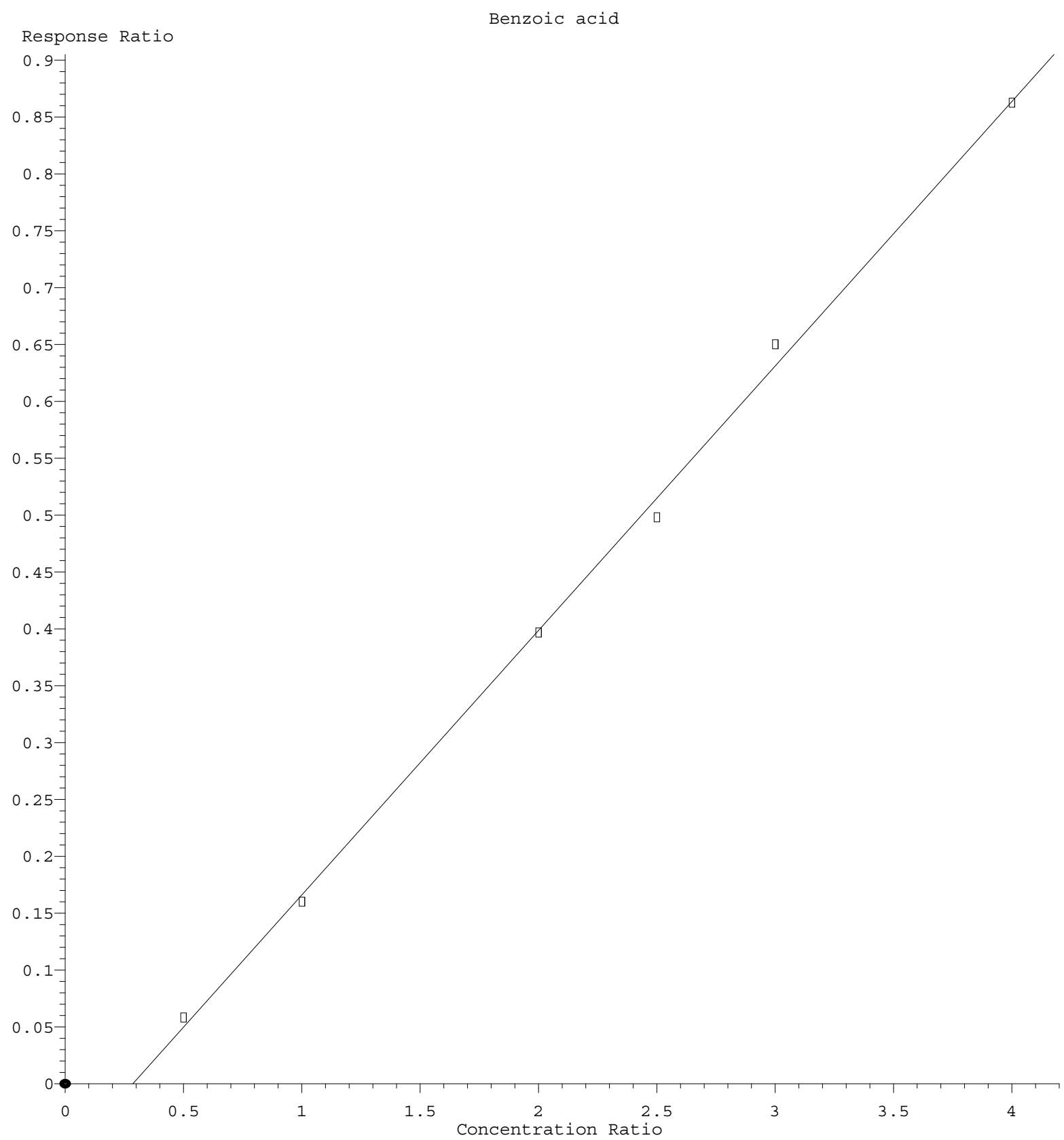
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.042	0.623	1.350	1.819	1.537	1.675	1.687	1.390	30.61
88)		Benzo(b)fluora...	1.492	1.574	1.490	1.370	1.314	1.307	1.352	1.414	7.34
89)		Benzo(k)fluora...	1.494	1.417	1.502	1.268	1.317	1.315	1.201	1.359	8.45
90)	C	Benzo(a)pyrene	1.175	1.157	1.176	1.094	1.090	1.124	1.121	1.134	3.16
91)		Dibenzo(a,h)an...	0.860	0.502	1.095	1.479	1.243	1.354	1.368	1.129	30.48
92)		Benzo(g,h,i)pe...	0.836	0.496	1.147	1.548	1.316	1.411	1.479	1.176	32.63

(#) = Out of Range



Response = 2.327e-001 * Amt - 6.652e-002
Coef of Det (r^2) = 0.998327 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110922.M
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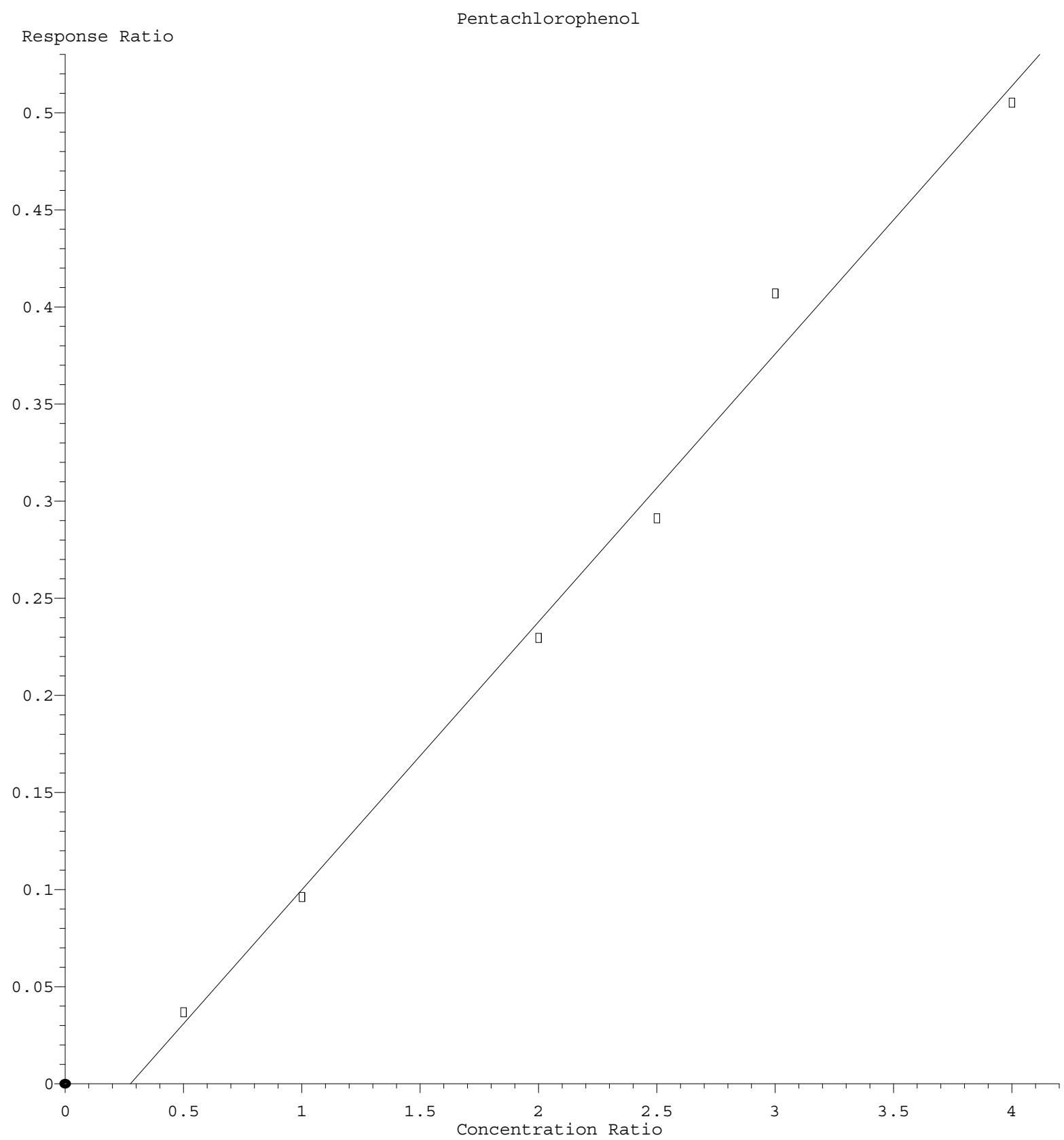

Response = 1.381e-001 * Amt - 3.817e-002
Coef of Det (r^2) = 0.991226 Curve Fit: Linear
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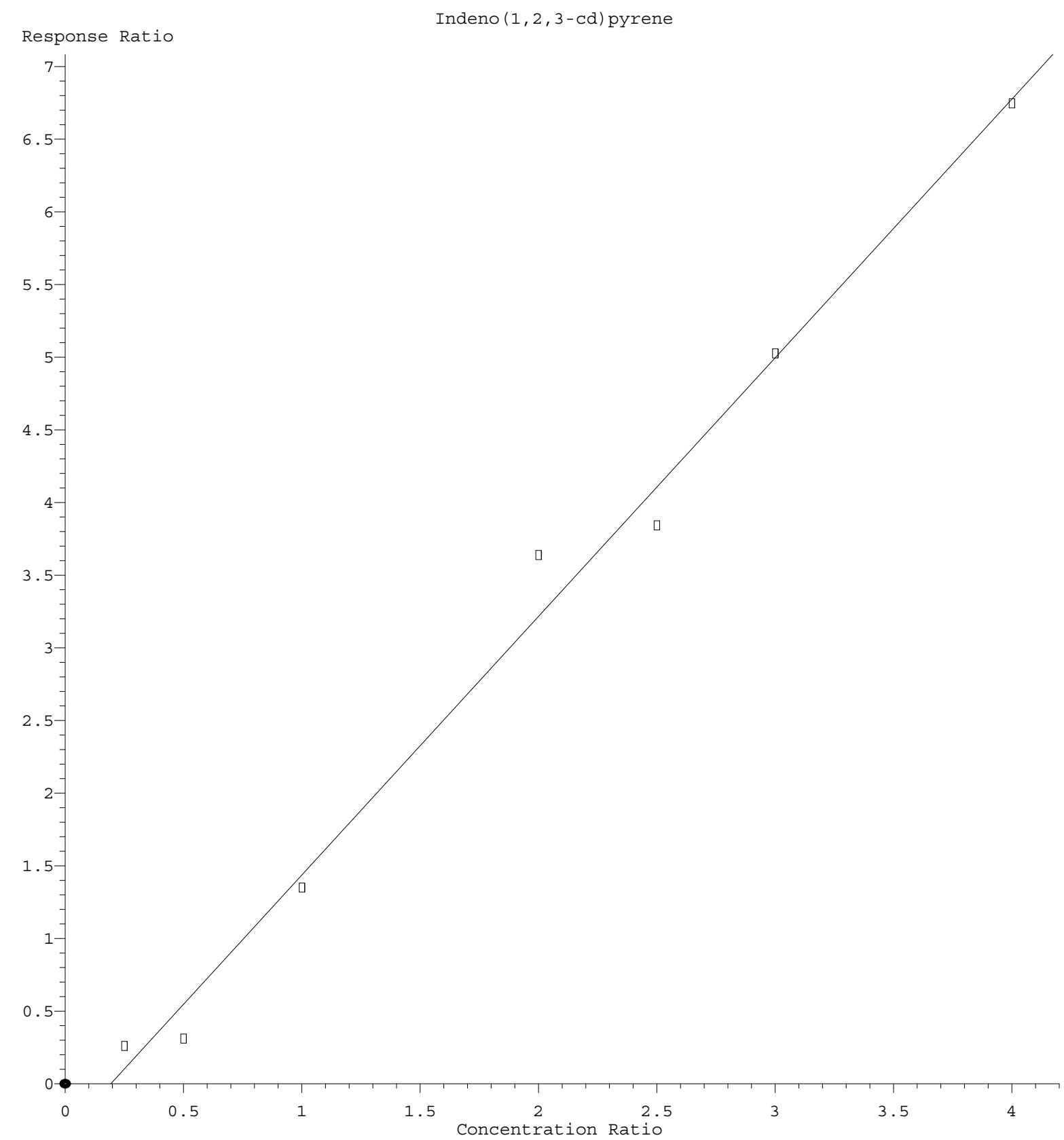

Response = 1.780e+000 * Amt - 3.439e-001
Coef of Det (r^2) = 0.990813 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110922.M
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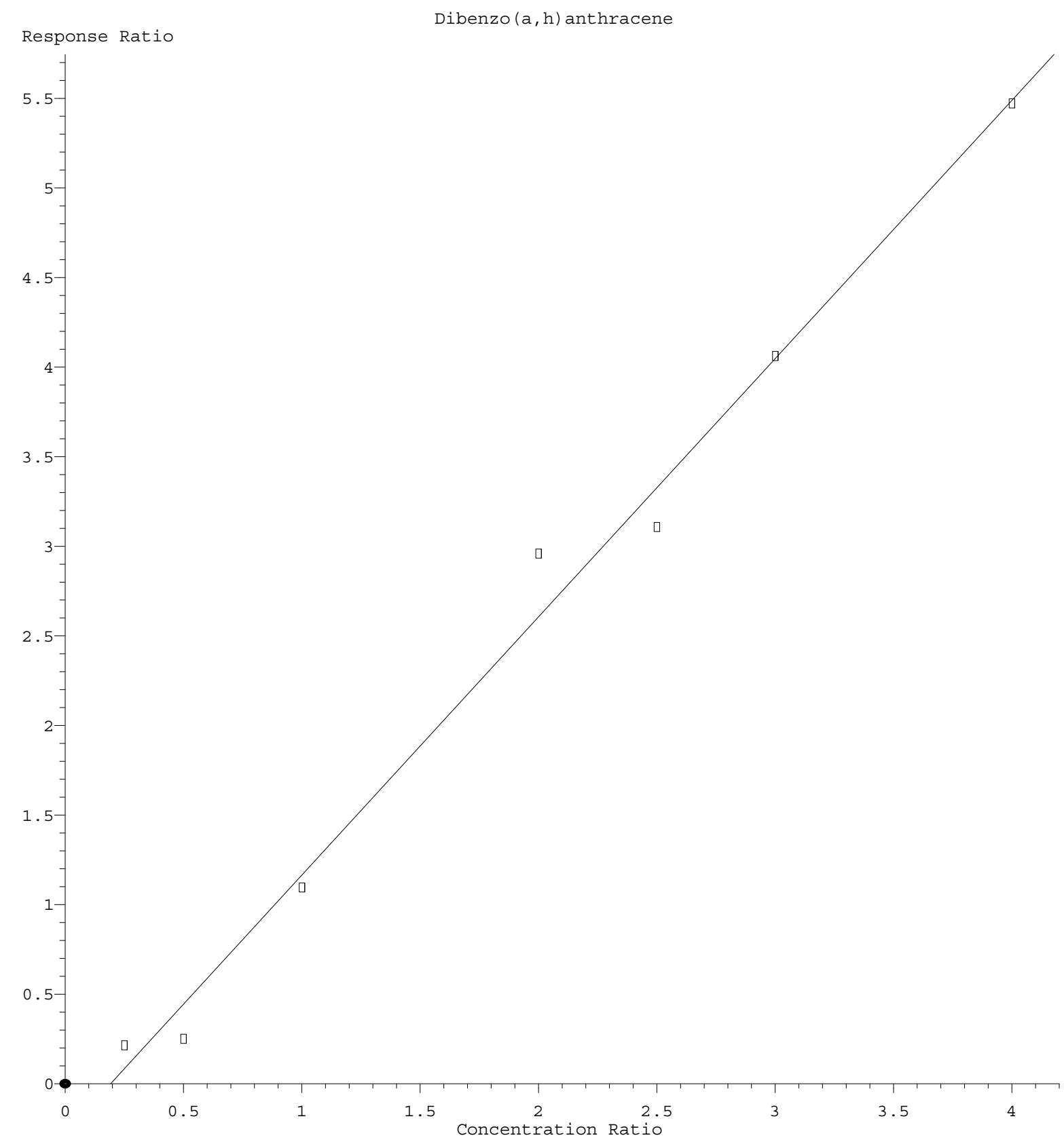

Response = 1.441e+000 * Amt - 2.767e-001
Coef of Det (r^2) = 0.990350 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110922.M
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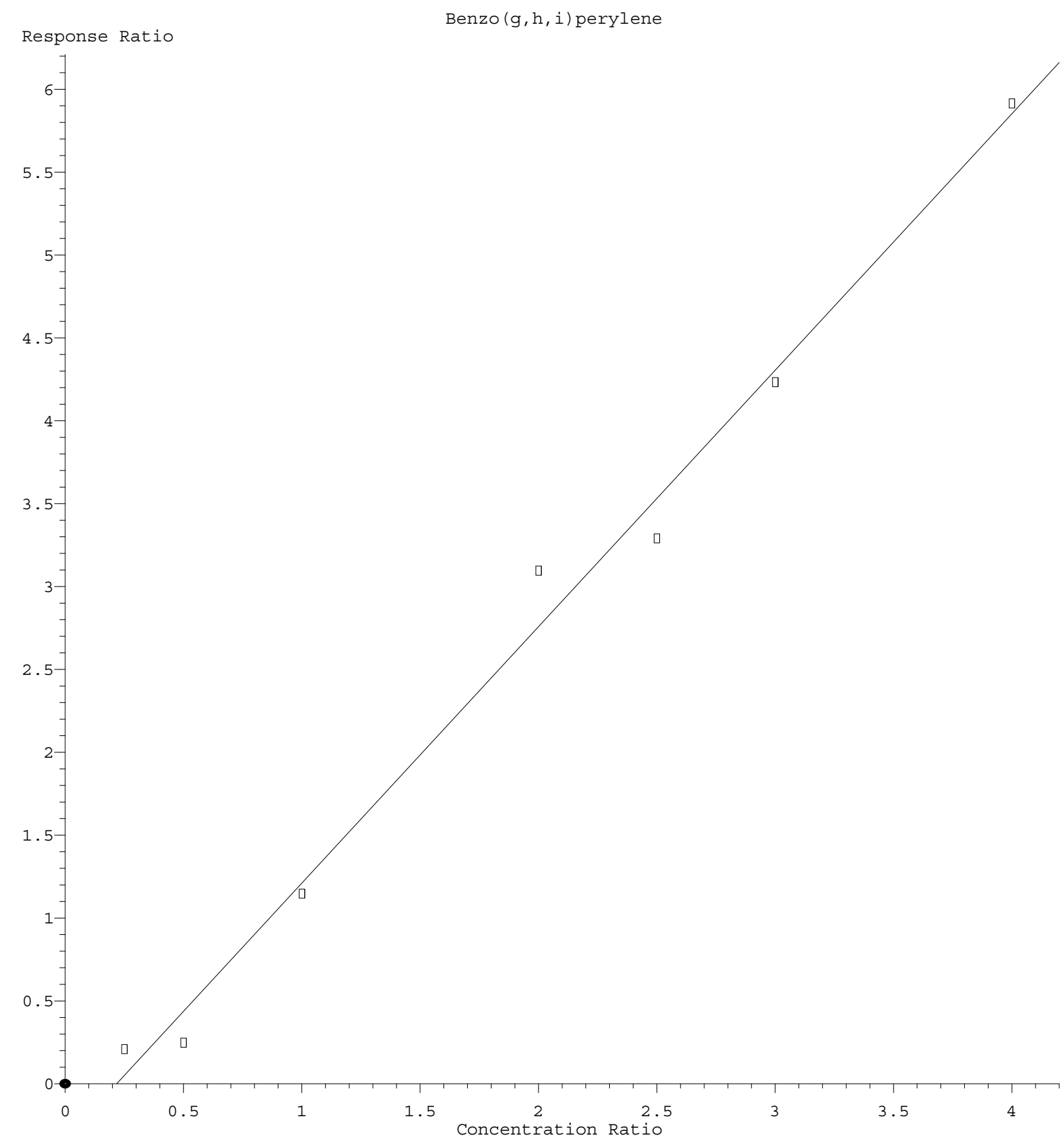

Response = 1.547e+000 * Amt - 3.378e-001
Coef of Det (r^2) = 0.991117 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110922.M
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