Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 08 01:40:43 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131036.D 5 =BF131037.D 10 =BF131038.D 20 =BF131039.D 40 =BF131040.D 50 =BF131041.D 60 =BF131042.D 80 =BF1310
43.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.739	0.616	0.461	0.553	0.588	0.549	0.621	0.590	14.45
3)		Pyridine		2.122	1.782	1.309	1.495	1.702	1.596	1.468	1.639	16.12
4)		n-Nitrosodimet...		1.139	0.998	0.719	0.829	0.975	0.893	0.898	0.922	14.49
5)	S	2-Fluorophenol	1.296	1.640	1.328	1.108	1.124	1.222	1.160	1.045	1.240	15.12
6)		Aniline		1.592	2.048	1.780	1.835	2.020	1.922	1.982	1.883	8.54
7)	S	Phenol-d6	1.662	1.335	1.773	1.427	1.427	1.550	1.390	1.546	1.514	9.78
8)		2-Chlorophenol		1.449	1.716	1.340	1.308	1.403	1.249	1.194	1.380	12.43
9)		Benzaldehyde		0.796	1.144	0.873	0.819	0.892	0.796	0.800	0.874	14.27
10)	C	Phenol		1.568	1.983	1.722	1.734	1.864	1.723	1.825	1.774	7.41
11)		bis(2-Chloroet...		1.225	1.436	1.235	1.262	1.375	1.238	1.236	1.287	6.52
12)		1,3-Dichlorobe...		1.721	1.666	1.556	1.434	1.537	1.377	1.337	1.518	9.49
13)	C	1,4-Dichlorobe...		1.962	1.670	1.564	1.458	1.555	1.475	1.385	1.581	12.07
14)		1,2-Dichlorobe...		1.970	1.794	1.468	1.357	1.437	1.429	1.364	1.546	15.44
15)		Benzyl Alcohol		1.383	1.518	1.258	1.210	1.308	1.275	1.304	1.322	7.64
16)		2,2'-oxybis(1-...		2.390	2.510	2.242	2.172	2.346	1.940	2.064	2.238	8.79
17)		2-Methylphenol		1.338	1.299	1.143	1.097	1.186	1.010	1.007	1.154	11.27
18)		Hexachloroethane		0.674	0.736	0.584	0.554	0.603	0.520	0.523	0.599	13.40
19)	P	n-Nitroso-di-n...	1.111	1.254	1.338	1.037	0.976	1.070	0.900	0.945	1.079	14.06
20)		3+4-Methylphenols		1.782	1.933	1.501	1.366	1.458	1.180	1.230	1.493	18.59
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.527	0.742	0.526	0.474	0.526	0.470	0.461	0.532	18.19
23)	S	Nitrobenzene-d5	0.429	0.414	0.534	0.418	0.396	0.445	0.405	0.411	0.431	10.24
24)		Nitrobenzene		0.395	0.539	0.429	0.403	0.455	0.419	0.458	0.443	11.03
25)		Isophorone		0.783	0.795	0.725	0.671	0.765	0.697	0.741	0.740	6.14
26)	C	2-Nitrophenol		0.180	0.189	0.194	0.180	0.204	0.187	0.185	0.188	4.38
27)		2,4-Dimethylph...		0.304	0.302	0.295	0.276	0.307	0.276	0.278	0.291	4.84
28)		bis(2-Chloroet...		0.443	0.433	0.411	0.376	0.428	0.382	0.386	0.408	6.64
29)	C	2,4-Dichloroph...		0.338	0.326	0.322	0.295	0.329	0.294	0.292	0.314	6.15
30)		1,2,4-Trichlor...		0.368	0.365	0.344	0.318	0.352	0.324	0.324	0.342	5.99
31)		Naphthalene		1.179	1.175	1.115	1.005	1.125	1.021	1.031	1.093	6.70
32)		Benzoic acid			0.141	0.182	0.192	0.235	0.210	0.230	0.198	17.54
33)		4-Chloroaniline		0.403	0.463	0.445	0.407	0.453	0.424	0.396	0.427	6.21
34)	C	Hexachlorobuta...		0.196	0.250	0.234	0.212	0.239	0.219	0.214	0.223	8.22
35)		Caprolactam		0.068	0.103	0.101	0.092	0.104	0.110	0.096	0.096	14.37
36)	C	4-Chloro-3-met...		0.259	0.368	0.346	0.322	0.361	0.383	0.330	0.338	12.13
37)		2-Methylnaphth...		0.564	0.766	0.717	0.650	0.704	0.814	0.653	0.695	11.85
38)		1-Methylnaphth...		0.547	0.753	0.699	0.631	0.689	0.732	0.597	0.664	11.24

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.695	0.685	0.641	0.595	0.652	0.614	0.630	0.645	5.55
41)	P	Hexachlorocycl...			0.227	0.259	0.280	0.332	0.323	0.362	0.297	16.91
42)	S	2,4,6-Tribromo...	0.209	0.257	0.225	0.219	0.200	0.225	0.219	0.209	0.220	7.77
43)	C	2,4,6-Trichlor...		0.407	0.444	0.438	0.412	0.452	0.439	0.418	0.430	4.09
44)		2,4,5-Trichlor...		0.454	0.507	0.498	0.451	0.506	0.490	0.469	0.482	4.99
45)	S	2-Fluorobiphenyl	1.573	1.776	1.573	1.423	1.277	1.397	1.321	1.401	1.468	11.13
46)		1,1'-Biphenyl		1.624	1.673	1.554	1.416	1.541	1.499	1.597	1.558	5.44
47)		2-Chloronaphth...		1.360	1.330	1.259	1.163	1.284	1.206	1.238	1.263	5.43
48)		2-Nitroaniline		0.460	0.478	0.444	0.433	0.495	0.474	0.465	0.464	4.50
49)		Acenaphthylene		1.932	2.073	1.939	1.765	1.953	1.870	2.053	1.941	5.40
50)		Dimethylphthalate		1.626	1.651	1.513	1.395	1.563	1.489	1.584	1.546	5.69
51)		2,6-Dinitrotol...		0.321	0.331	0.323	0.304	0.338	0.319	0.367	0.329	6.05
52)	C	Acenaphthene		1.362	1.278	1.194	1.096	1.189	1.107	1.092	1.188	8.60
53)		3-Nitroaniline		0.341	0.375	0.356	0.338	0.371	0.359	0.344	0.355	4.11
54)	P	2,4-Dinitrophenol			0.118	0.139	0.161	0.193	0.187	0.195	0.166	19.34
55)		Dibenzofuran		2.628	1.916	1.749	1.589	1.736	1.464	1.567	1.807	21.63
56)	P	4-Nitrophenol		0.224	0.252	0.252	0.245	0.273	0.256	0.251	0.250	5.86
57)		2,4-Dinitrotol...		0.435	0.457	0.437	0.407	0.459	0.377	0.419	0.427	6.76
58)		Fluorene		1.658	1.567	1.410	1.298	1.396	1.238	1.492	1.437	10.24
59)		2,3,4,6-Tetrac...		0.378	0.402	0.381	0.360	0.408	0.379	0.442	0.393	6.89
60)		Diethylphthalate		1.941	1.712	1.529	1.403	1.536	1.457	1.698	1.611	11.51
61)		4-Chlorophenyl...		0.838	0.787	0.699	0.629	0.685	0.620	0.725	0.712	11.17
62)		4-Nitroaniline		0.395	0.370	0.358	0.345	0.381	0.315	0.383	0.364	7.47
63)		Azobenzene		1.937	1.689	1.523	1.420	1.573	1.333	1.485	1.566	12.70
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...		0.093	0.111	0.123	0.125	0.145	0.151	0.141	0.127	16.34
66)	c	n-Nitrosodiphe...		0.861	0.732	0.680	0.613	0.693	0.715	0.653	0.707	11.12
67)		4-Bromophenyl-...		0.306	0.248	0.235	0.215	0.241	0.286	0.228	0.251	13.07
68)		Hexachlorobenzene		0.339	0.267	0.257	0.235	0.263	0.267	0.280	0.273	11.87
69)		Atrazine		0.249	0.211	0.191	0.178	0.196	0.189	0.193	0.201	11.72
70)	C	Pentachlorophenol			0.086	0.109	0.113	0.137	0.131	0.133	0.118	16.35
71)		Phenanthrene		1.258	1.221	1.144	1.003	1.136	1.089	1.035	1.127	8.24
72)		Anthracene		1.222	1.201	1.115	1.002	1.109	1.070	1.022	1.106	7.56
73)		Carbazole		0.969	1.051	0.976	0.902	0.962	0.919	0.843	0.946	6.96
74)		Di-n-butylphth...		1.307	1.373	1.284	1.232	1.284	1.219	1.172	1.267	5.20
75)	C	Fluoranthene		1.142	1.315	1.186	1.155	1.181	1.238	1.153	1.196	5.15
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine		0.385	0.350	1.210	0.465	0.461	0.366	0.539	0.539	56.20
78)		Pyrene		1.406	1.843	1.892	1.696	2.002	1.725	2.186	1.821	13.60
79)	S	Terphenyl-d14	1.204	1.007	1.354	1.342	1.156	1.361	1.202	1.354	1.247	10.26
80)		Butylbenzylpht...		0.593	0.691	0.736	0.668	0.788	0.835	0.712	0.718	11.05
81)		Benzo(a)anthra...		1.485	1.525	1.457	1.337	1.530	1.454	1.378	1.452	4.97
82)		3,3'-Dichlorob...		0.413	0.424	0.428	0.359	0.405	0.383	0.351	0.395	7.83
83)		Chrysene		1.439	1.475	1.391	1.263	1.440	1.296	1.349	1.379	5.76
84)		Bis(2-ethylhex...		0.772	0.772	0.801	0.776	0.930	0.869	0.837	0.822	7.32
85)	c	Di-n-octyl pht...		0.967	1.025	0.990	1.071	1.310	1.314	1.523	1.172	18.08

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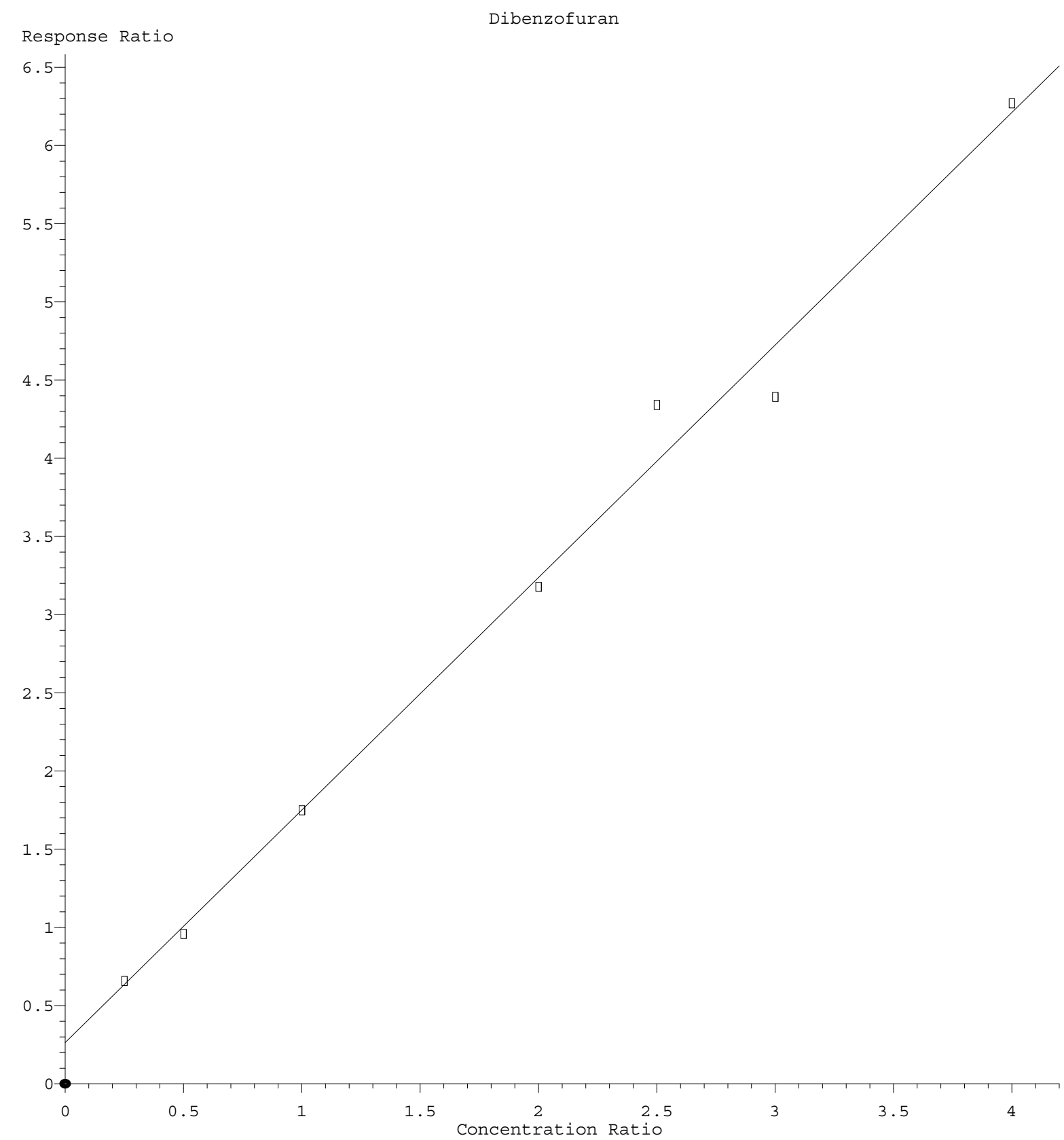
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.739	1.438	1.549	1.430	1.693	1.756	1.739	1.478	23.89
88)		Benzo(b)fluora...	1.565	1.468	1.466	1.252	1.501	1.356	1.565	1.453	7.82
89)		Benzo(k)fluora...	1.586	1.557	1.371	1.289	1.411	1.296	1.402	1.416	8.24
90)	C	Benzo(a)pyrene	1.197	1.170	1.140	1.059	1.216	1.174	1.134	1.156	4.47
91)		Dibenzo(a,h)an...	0.606	1.182	1.276	1.171	1.388	1.440	1.427	1.213	23.87
92)		Benzo(g,h,i)pe...	0.593	1.193	1.274	1.184	1.416	1.503	1.440	1.229	24.95

(#) = Out of Range



Response = 1.487e+000 * Amt + 2.631e-001
Coef of Det (r^2) = 0.990276 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110722.M
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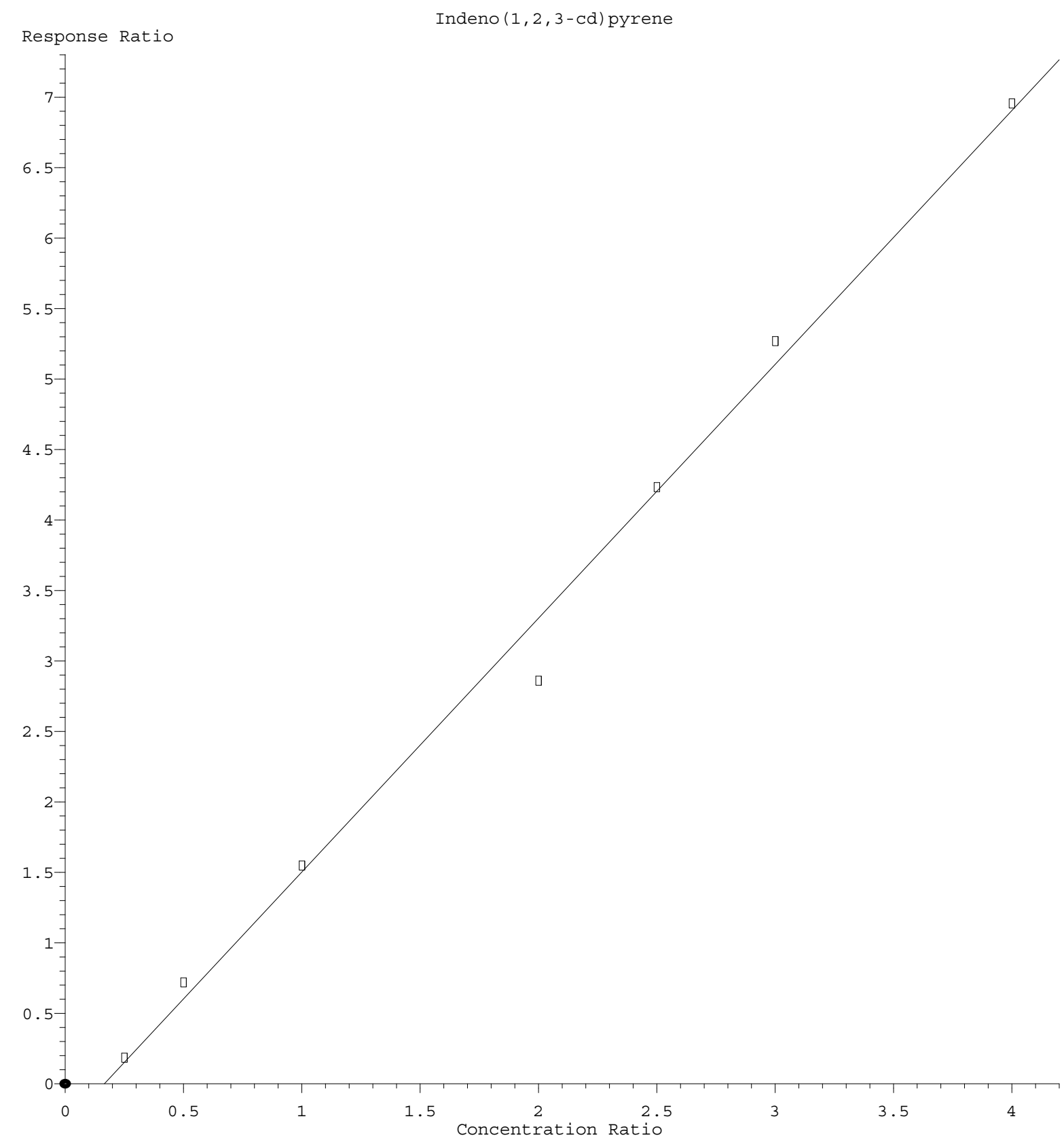

Response = 1.801e+000 * Amt - 2.991e-001
Coef of Det (r^2) = 0.993486 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110722.M
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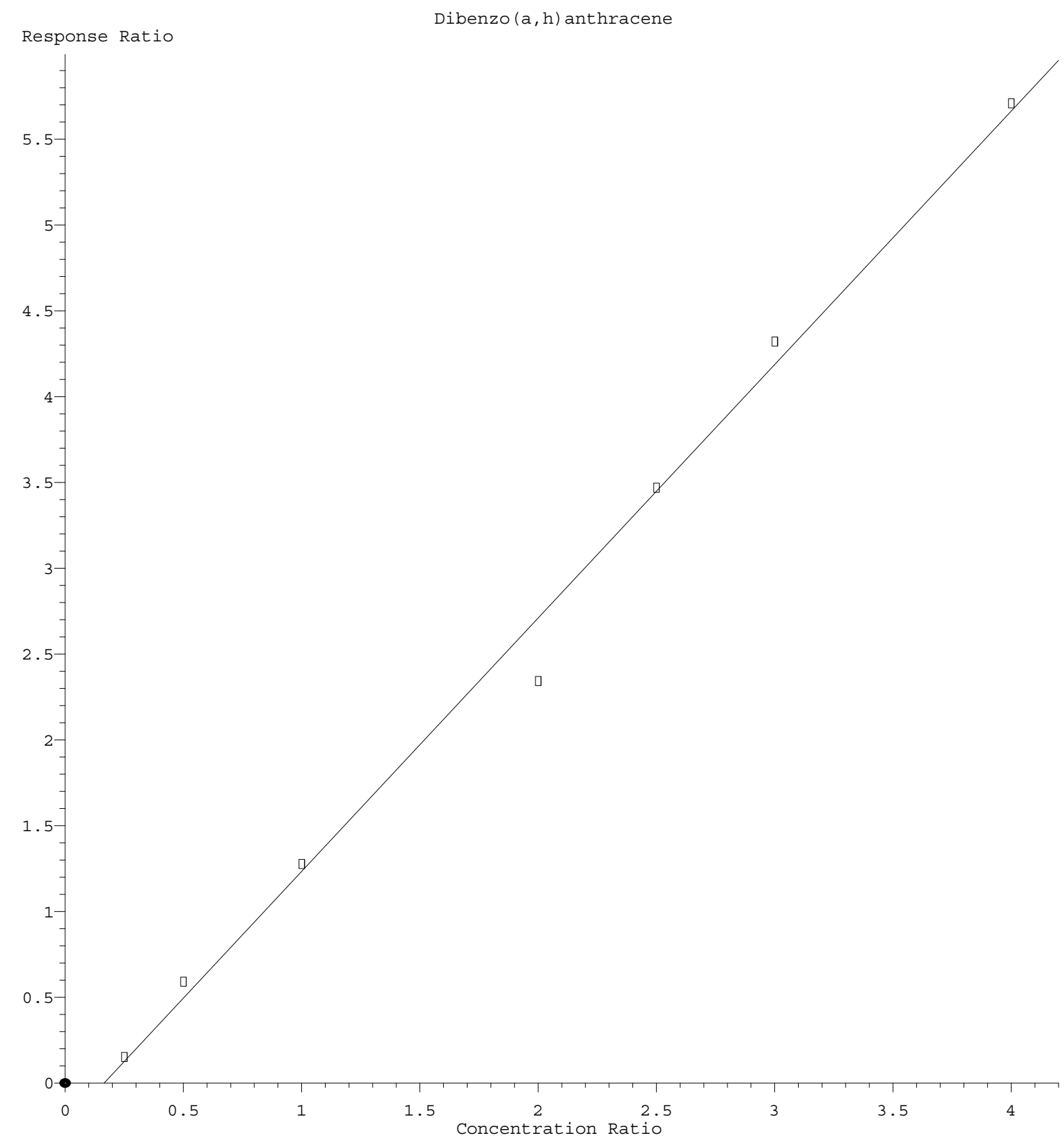

Response = 1.477e+000 * Amt - 2.442e-001
Coef of Det (r^2) = 0.993368 Curve Fit: Linear
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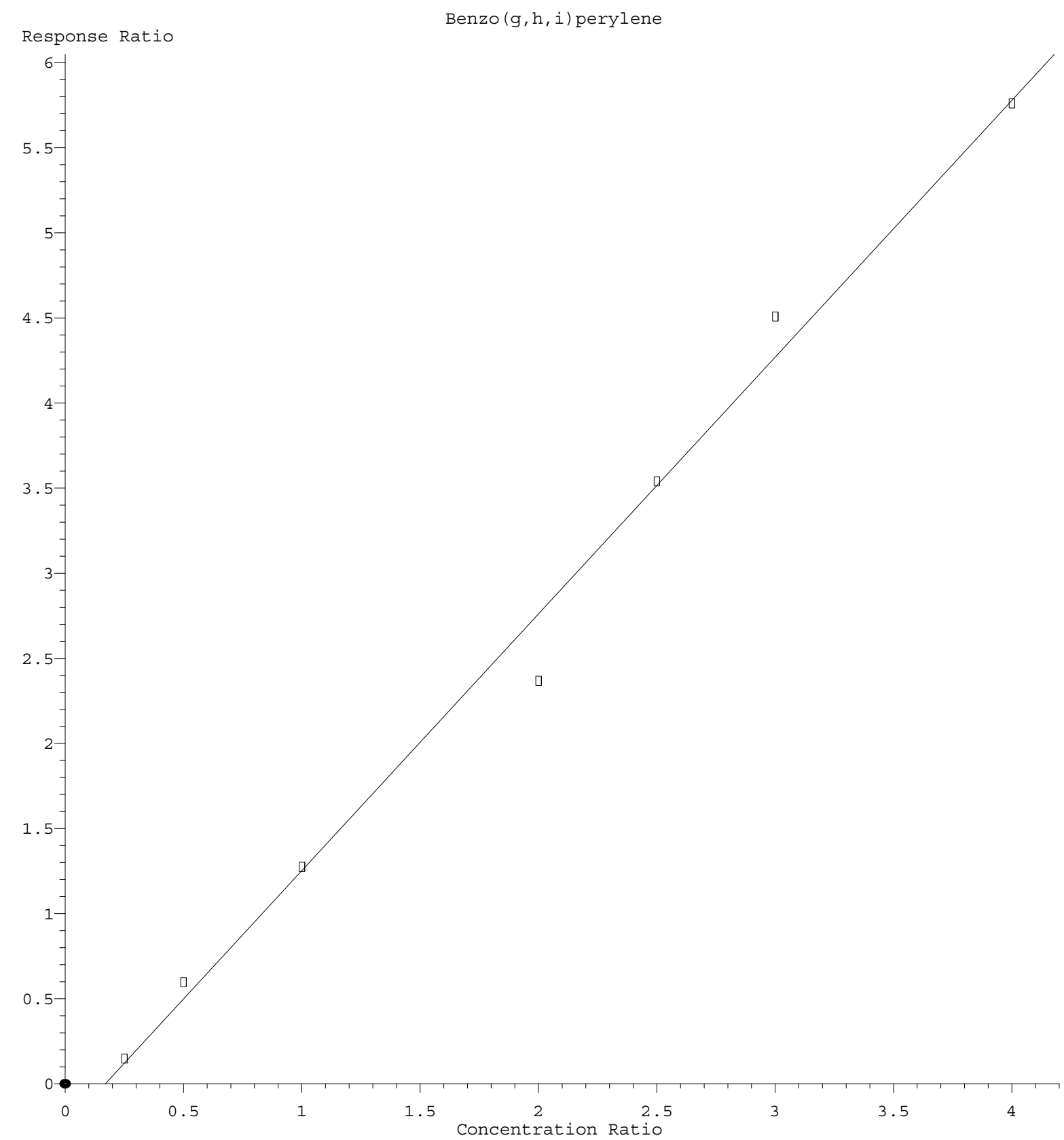

Response = 1.508e+000 * Amt - 2.558e-001
Coef of Det (r^2) = 0.991522 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110722.M
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