Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 24 16:54:05 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BG055251.D 5 =BG055252.D 10 =BG055253.D 20 =BG055254.D 40 =BG055255.D 50 =BG055256.D 60 =BG055257.D 80 =BG0552
58.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.667	0.555	0.587	0.563	0.493	0.495	0.501	0.552	11.41
3)		Pyridine		1.579	1.596	1.788	1.818	1.590	1.637	1.617	1.661	5.98
4)		n-Nitrosodimet...		0.759	0.720	0.801	0.753	0.709	0.716	0.706	0.738	4.74
5)	S	2-Fluorophenol	1.205	1.189	1.141	1.175	1.162	1.092	1.093	1.081	1.142	4.24
6)		Aniline		2.112	2.069	2.226	2.314	2.149	2.188	2.106	2.166	3.88
7)	S	Phenol-d6	1.609	1.610	1.576	1.687	1.756	1.670	1.707	1.622	1.655	3.66
8)		2-Chlorophenol		1.323	1.303	1.349	1.378	1.311	1.352	1.279	1.328	2.55
9)		Benzaldehyde		1.340	1.250	1.223	1.108	1.038	1.026	0.925	1.130	12.97
10)	C	Phenol		1.748	1.796	1.882	1.944	1.875	1.916	1.815	1.854	3.76
11)		bis(2-Chloroet...		1.422	1.372	1.428	1.450	1.376	1.417	1.329	1.399	2.99
12)		1,3-Dichlorobe...		1.508	1.462	1.478	1.491	1.417	1.416	1.369	1.449	3.42
13)	C	1,4-Dichlorobe...		1.530	1.526	1.520	1.512	1.427	1.450	1.394	1.480	3.73
14)		1,2-Dichlorobe...		1.490	1.440	1.470	1.465	1.380	1.400	1.328	1.425	4.06
15)		Benzyl Alcohol		1.270	1.296	1.360	1.485	1.425	1.464	1.394	1.385	5.87
16)		2,2'-oxybis(1-...		2.329	2.300	2.268	2.387	2.261	2.306	2.178	2.290	2.82
17)		2-Methylphenol		1.266	1.232	1.357	1.394	1.307	1.350	1.270	1.311	4.46
18)		Hexachloroethane		0.552	0.517	0.539	0.541	0.513	0.523	0.503	0.527	3.34
19)	P	n-Nitroso-di-n...	1.317	1.401	1.284	1.379	1.477	1.398	1.426	1.312	1.374	4.75
20)		3+4-Methylphenols		1.784	1.735	1.864	2.020	1.899	1.979	1.862	1.878	5.35
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.516	0.499	0.528	0.540	0.498	0.508	0.491	0.511	3.44
23)	S	Nitrobenzene-d5	0.398	0.390	0.370	0.401	0.412	0.384	0.394	0.384	0.392	3.27
24)		Nitrobenzene		0.392	0.396	0.422	0.431	0.403	0.412	0.400	0.408	3.51
25)		Isophorone		0.808	0.737	0.804	0.851	0.778	0.797	0.763	0.791	4.58
26)	C	2-Nitrophenol		0.156	0.161	0.181	0.192	0.184	0.189	0.188	0.179	8.06
27)		2,4-Dimethylph...		0.263	0.262	0.287	0.292	0.280	0.289	0.278	0.279	4.33
28)		bis(2-Chloroet...		0.402	0.379	0.405	0.426	0.393	0.403	0.388	0.399	3.71
29)	C	2,4-Dichloroph...		0.273	0.275	0.300	0.320	0.304	0.317	0.305	0.299	6.15
30)		1,2,4-Trichlor...		0.300	0.294	0.310	0.320	0.301	0.309	0.303	0.305	2.77
31)		Naphthalene		1.075	1.039	1.089	1.126	1.042	1.072	1.025	1.067	3.24
32)		Benzoic acid			0.129	0.172	0.221	0.208	0.214	0.218	0.194	18.65
33)		4-Chloroaniline		0.431	0.429	0.463	0.495	0.454	0.467	0.454	0.456	4.98
34)	C	Hexachlorobuta...		0.174	0.171	0.179	0.180	0.172	0.174	0.170	0.174	2.20
35)		Caprolactam		0.151	0.127	0.145	0.154	0.131	0.133	0.130	0.139	7.92
36)	C	4-Chloro-3-met...		0.362	0.332	0.380	0.414	0.381	0.390	0.376	0.376	6.66
37)		2-Methylnaphth...		0.772	0.724	0.777	0.821	0.765	0.782	0.743	0.769	4.00
38)		1-Methylnaphth...		0.775	0.718	0.772	0.809	0.745	0.764	0.730	0.759	4.07

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.484	0.482	0.484	0.491	0.473	0.483	0.479	0.482	1.11
41)	P	Hexachlorocycl...		0.131	0.168	0.188	0.220	0.217	0.228	0.233	0.198	19.03
42)	S	2,4,6-Tribromo...	0.206	0.207	0.205	0.229	0.237	0.216	0.220	0.220	0.217	5.35
43)	C	2,4,6-Trichlor...		0.330	0.341	0.360	0.372	0.355	0.368	0.366	0.356	4.32
44)		2,4,5-Trichlor...		0.353	0.369	0.399	0.424	0.397	0.409	0.405	0.394	6.19
45)	S	2-Fluorobiphenyl	1.338	1.269	1.229	1.234	1.236	1.159	1.172	1.137	1.222	5.34
46)		1,1'-Biphenyl		1.368	1.374	1.398	1.415	1.344	1.361	1.342	1.372	1.95
47)		2-Chloronaphth...		1.088	1.084	1.093	1.109	1.058	1.081	1.060	1.082	1.66
48)		2-Nitroaniline		0.392	0.389	0.435	0.452	0.424	0.437	0.432	0.423	5.60
49)		Acenaphthylene		1.927	1.840	1.919	1.942	1.809	1.834	1.800	1.867	3.23
50)		Dimethylphthalate		1.695	1.542	1.644	1.640	1.482	1.513	1.475	1.570	5.63
51)		2,6-Dinitrotol...		0.297	0.300	0.333	0.343	0.318	0.323	0.321	0.320	5.16
52)	C	Acenaphthene		1.142	1.143	1.229	1.250	1.174	1.202	1.192	1.190	3.44
53)		3-Nitroaniline		0.387	0.366	0.431	0.432	0.394	0.401	0.400	0.402	5.80
54)	P	2,4-Dinitrophenol		0.081	0.114	0.154	0.177	0.174	0.183	0.190	0.153	26.49
55)		Dibenzofuran		1.887	1.741	1.863	1.861	1.720	1.732	1.695	1.786	4.54
56)	P	4-Nitrophenol		0.238	0.256	0.310	0.321	0.292	0.295	0.300	0.287	10.40
57)		2,4-Dinitrotol...		0.432	0.427	0.498	0.497	0.460	0.466	0.465	0.464	5.98
58)		Fluorene		1.590	1.453	1.551	1.546	1.426	1.441	1.394	1.486	5.06
59)		2,3,4,6-Tetrac...		0.335	0.313	0.360	0.379	0.347	0.369	0.356	0.351	6.32
60)		Diethylphthalate		1.814	1.645	1.760	1.751	1.561	1.598	1.563	1.670	6.19
61)		4-Chlorophenyl...		0.699	0.658	0.701	0.715	0.666	0.675	0.667	0.683	3.19
62)		4-Nitroaniline		0.429	0.413	0.455	0.446	0.401	0.406	0.405	0.422	5.17
63)		Azobenzene		1.716	1.576	1.703	1.704	1.563	1.585	1.543	1.627	4.71
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...		0.082	0.092	0.110	0.121	0.117	0.124	0.122	0.110	14.85
66)	c	n-Nitrosodiphe...		0.536	0.534	0.573	0.587	0.547	0.572	0.547	0.557	3.68
67)		4-Bromophenyl-...		0.181	0.181	0.195	0.208	0.196	0.204	0.197	0.194	5.39
68)		Hexachlorobenzene		0.217	0.207	0.225	0.229	0.217	0.227	0.217	0.220	3.49
69)		Atrazine		0.219	0.211	0.199	0.200	0.168	0.171	0.158	0.189	12.42
70)	C	Pentachlorophenol		0.068	0.089	0.112	0.124	0.118	0.125	0.124	0.108	20.06
71)		Phenanthrene		1.107	1.044	1.113	1.120	1.027	1.053	1.003	1.067	4.36
72)		Anthracene		1.067	1.031	1.089	1.112	0.998	1.033	0.970	1.043	4.80
73)		Carbazole		1.086	1.008	1.045	1.047	0.939	0.971	0.924	1.003	6.03
74)		Di-n-butylphth...		1.322	1.300	1.308	1.301	1.172	1.217	1.156	1.254	5.61
75)	C	Fluoranthene		1.362	1.293	1.305	1.281	1.147	1.184	1.127	1.243	7.20
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine			0.595	0.435	0.547	0.540	0.393	0.395	0.484	17.95
78)		Pyrene		1.407	1.339	1.429	1.449	1.319	1.360	1.293	1.371	4.29
79)	S	Terphenyl-d14	1.069	0.979	0.953	1.004	1.006	0.897	0.923	0.870	0.963	6.79
80)		Butylbenzylpht...		0.740	0.623	0.646	0.659	0.616	0.639	0.612	0.648	6.80
81)		Benzo(a)anthra...		1.563	1.345	1.354	1.364	1.253	1.285	1.237	1.343	8.13
82)		3,3'-Dichlorob...		0.443	0.432	0.461	0.456	0.427	0.427	0.416	0.437	3.73
83)		Chrysene		1.486	1.283	1.293	1.299	1.184	1.221	1.163	1.276	8.42
84)		Bis(2-ethylhex...		1.055	0.927	0.932	0.939	0.866	0.900	0.858	0.925	7.08
85)	c	Di-n-octyl pht...		1.651	1.537	1.574	1.586	1.470	1.523	1.451	1.542	4.47

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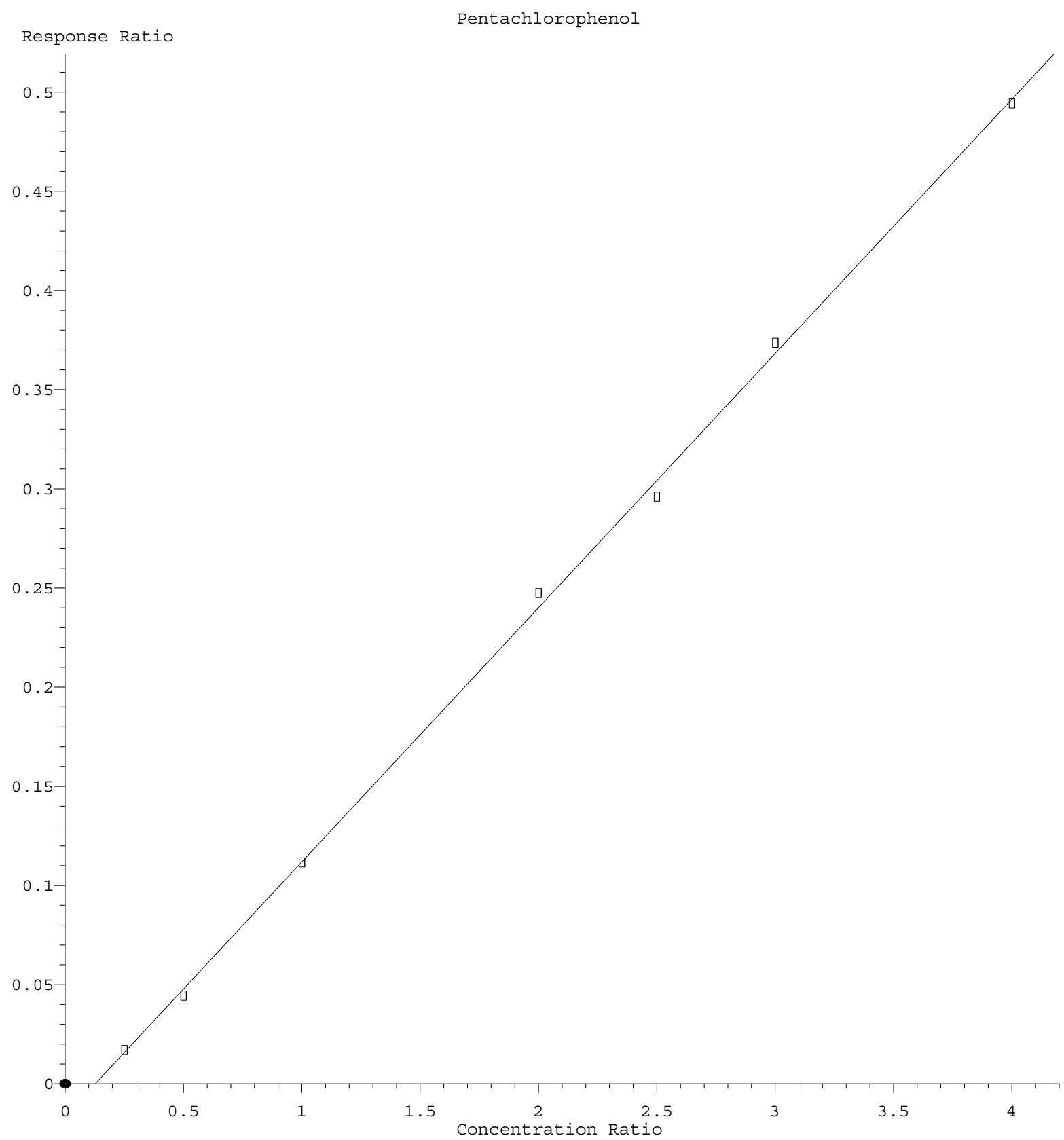
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.516	1.432	1.512	1.535	1.428	1.478	1.439	1.477	3.02
88)		Benzo(b)fluora...	1.251	1.176	1.231	1.244	1.167	1.195	1.157	1.203	3.21
89)		Benzo(k)fluora...	1.288	1.199	1.232	1.262	1.175	1.192	1.156	1.215	3.94
90)	C	Benzo(a)pyrene	1.071	1.009	1.045	1.073	1.000	1.027	0.996	1.032	3.13
91)		Dibenzo(a,h)an...	1.263	1.173	1.244	1.253	1.173	1.204	1.176	1.212	3.33
92)		Benzo(g,h,i)pe...	1.237	1.162	1.244	1.244	1.163	1.194	1.173	1.202	3.18

(#) = Out of Range



Response = 1.282e-001 * Amt - 1.630e-002
Coef of Det (r^2) = 0.999117 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG102422.M
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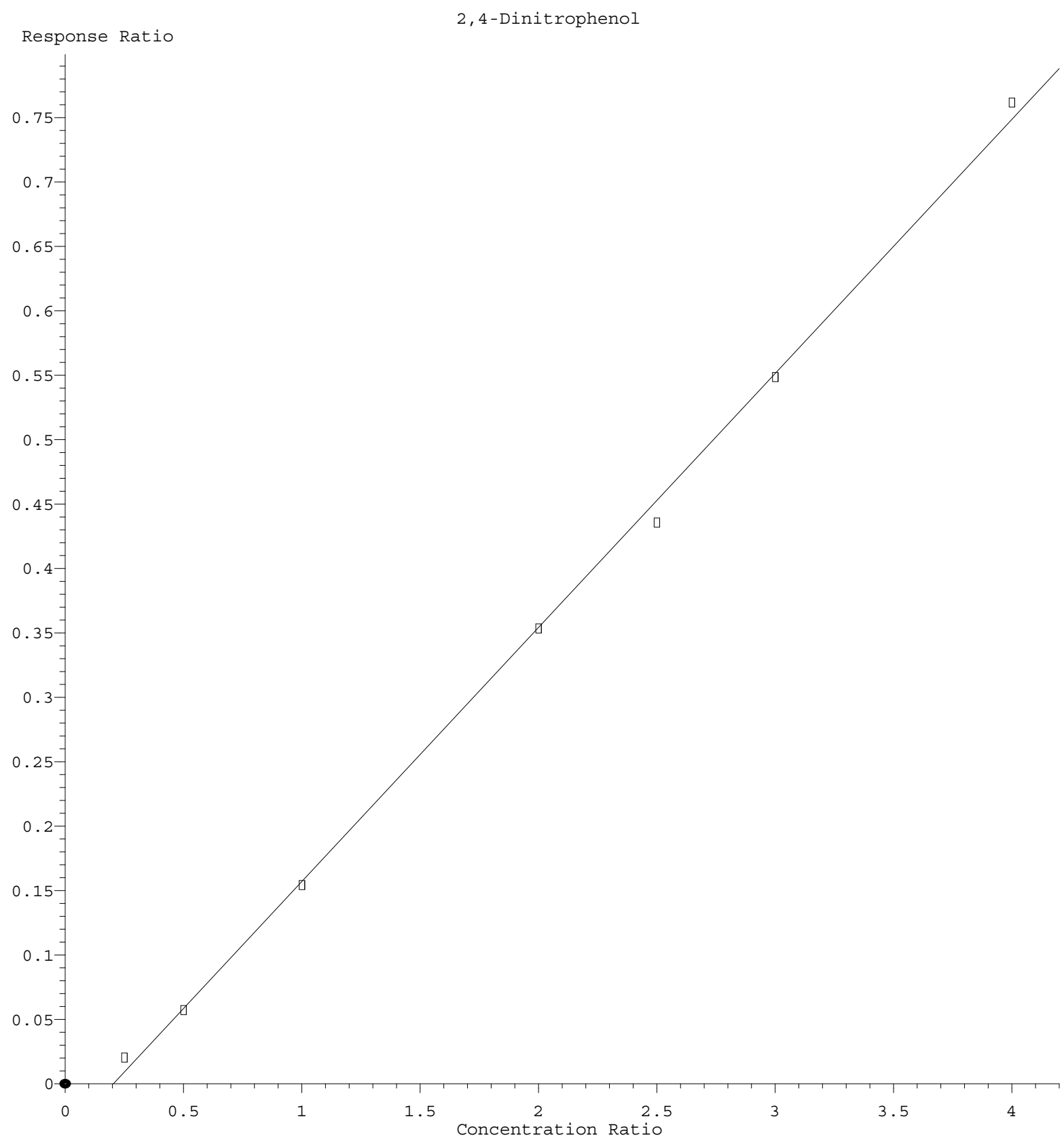

Response = 1.972e-001 * Amt - 4.018e-002
Coef of Det (r^2) = 0.998641 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG102422.M
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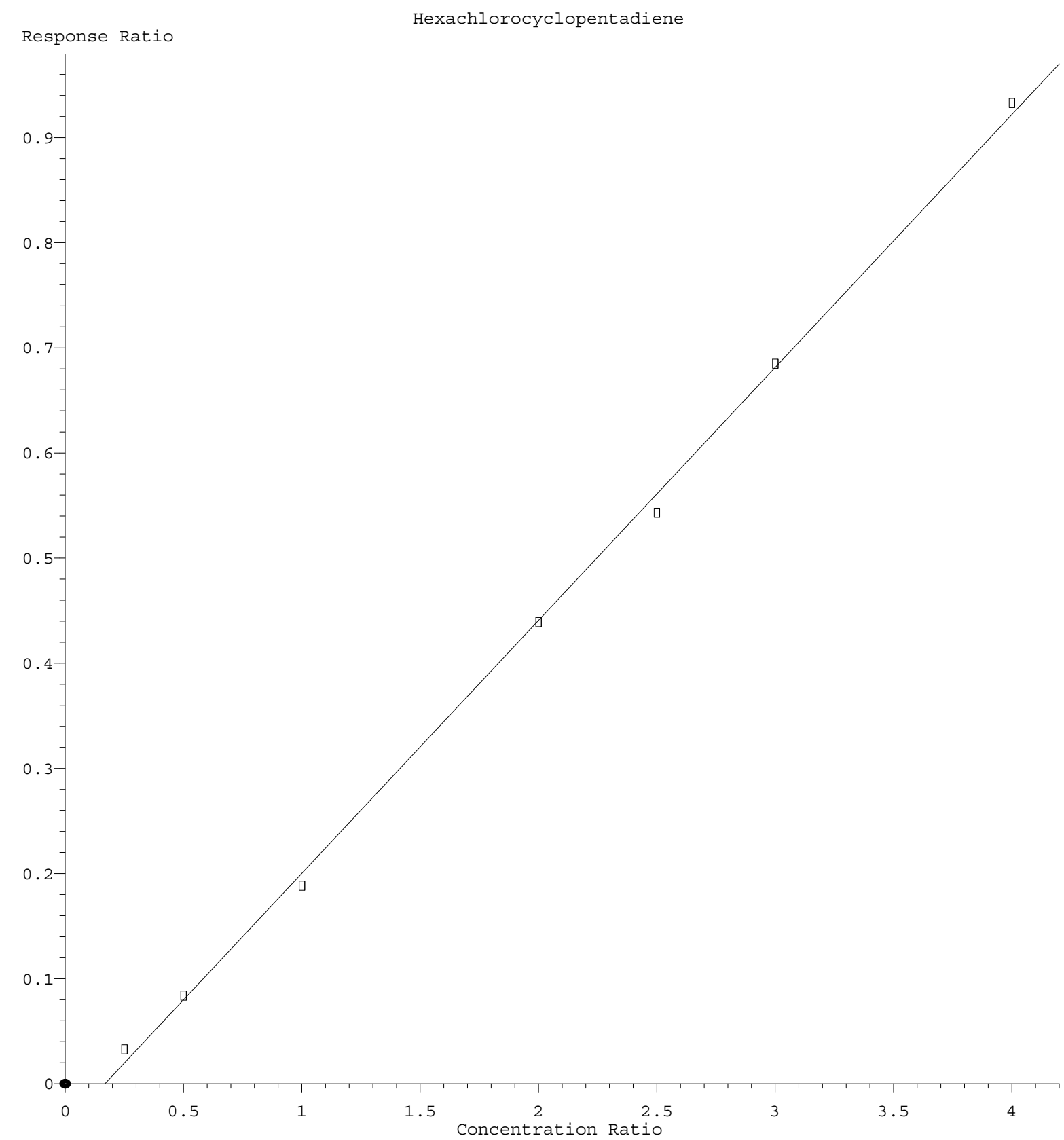

Response = 2.405e-001 * Amt - 4.034e-002
Coef of Det (r^2) = 0.998825 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG102422.M
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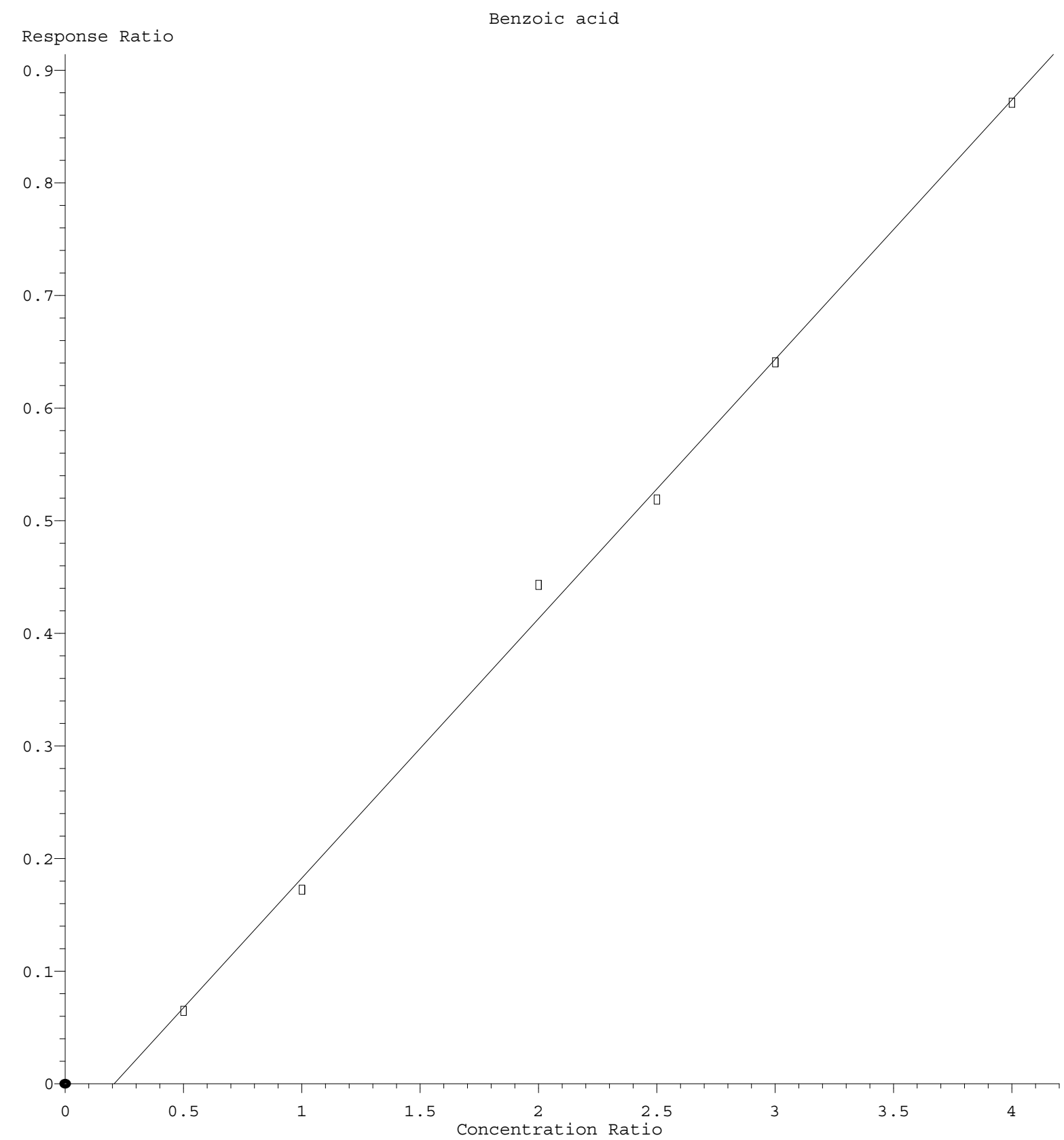

Response = 2.305e-001 * Amt - 4.774e-002
Coef of Det (r^2) = 0.997487 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG102422.M
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