Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 28 04:39:54 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG057198.D 5 =BG057199.D 10 =BG057200.D 20 =BG057201.D 40 =BG057202.D 50 =BG057203.D 60 =BG057204.D 80 =BG0572
05.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.569	0.511	0.508	0.482	0.437	0.439	0.437	0.483	10.35
3)		Pyridine		1.664	1.511	1.608	1.627	1.492	1.530	1.442	1.554	5.21
4)		n-Nitrosodimet...		0.739	0.719	0.780	0.763	0.699	0.721	0.691	0.730	4.47
5)	S	2-Fluorophenol		1.238	1.171	1.237	1.202	1.116	1.124	1.096	1.169	5.02
6)		Aniline		2.378	2.217	2.373	2.323	2.147	2.194	2.135	2.252	4.61
7)	S	Phenol-d6		1.847	1.692	1.867	1.818	1.743	1.751	1.709	1.775	3.87
8)		2-Chlorophenol		1.310	1.239	1.329	1.257	1.162	1.181	1.170	1.235	5.46
9)		Benzaldehyde			1.281	1.190	0.945	0.923	0.871		1.042	17.44
10)	C	Phenol		1.848	1.717	1.786	1.800	1.655	1.673	1.637	1.731	4.69
11)		bis(2-Chloroet...		1.429	1.270	1.390	1.325	1.244	1.255	1.221	1.305	6.06
12)		1,3-Dichlorobe...		1.477	1.378	1.449	1.379	1.270	1.297	1.294	1.364	5.89
13)	C	1,4-Dichlorobe...		1.437	1.360	1.460	1.403	1.307	1.306	1.315	1.370	4.71
14)		1,2-Dichlorobe...		1.489	1.284	1.398	1.324	1.245	1.259	1.256	1.322	6.85
15)		Benzyl Alcohol		1.541	1.341	1.513	1.579	1.448	1.480	1.452	1.479	5.21
16)		2,2'-oxybis(1-...		1.735	1.614	1.774	1.669	1.564	1.592	1.567	1.645	5.07
17)		2-Methylphenol		1.271	1.243	1.329	1.290	1.217	1.219	1.164	1.248	4.35
18)		Hexachloroethane		0.526	0.484	0.524	0.498	0.469	0.475	0.484	0.494	4.63
19)	P	n-Nitroso-di-n...	1.416	1.463	1.339	1.427	1.377	1.276	1.283	1.249	1.354	5.85
20)		3+4-Methylphenols		1.788	1.638	1.789	1.752	1.650	1.701	1.640	1.708	3.99
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.600	0.583	0.601	0.578	0.534	0.565	0.545	0.572	4.52
23)	S	Nitrobenzene-d5		0.478	0.464	0.498	0.489	0.456	0.484	0.466	0.477	3.12
24)		Nitrobenzene		0.509	0.454	0.500	0.493	0.453	0.487	0.471	0.481	4.55
25)		Isophorone		1.005	0.923	0.954	0.934	0.846	0.927	0.879	0.924	5.50
26)	C	2-Nitrophenol		0.176	0.169	0.190	0.190	0.179	0.195	0.190	0.184	5.15
27)		2,4-Dimethylph...		0.326	0.308	0.336	0.338	0.308	0.326	0.313	0.322	3.93
28)		bis(2-Chloroet...		0.491	0.469	0.478	0.471	0.430	0.457	0.445	0.463	4.51
29)	C	2,4-Dichloroph...		0.346	0.326	0.344	0.350	0.330	0.353	0.343	0.342	2.98
30)		1,2,4-Trichlor...		0.410	0.402	0.404	0.396	0.371	0.389	0.390	0.394	3.27
31)		Naphthalene		1.125	1.053	1.101	1.088	1.006	1.067	1.044	1.069	3.69
32)		Benzoic acid			0.108	0.160	0.184	0.175	0.199	0.193	0.170	19.60
33)		4-Chloroaniline		0.484	0.462	0.494	0.499	0.461	0.490	0.470	0.480	3.25
34)	C	Hexachlorobuta...		0.308	0.289	0.300	0.291	0.278	0.292	0.291	0.293	3.16
35)		Caprolactam		0.111	0.113	0.122	0.123	0.110	0.121	0.117	0.117	4.64
36)	C	4-Chloro-3-met...		0.404	0.363	0.399	0.397	0.373	0.396	0.389	0.389	3.86
37)		2-Methylnaphth...		0.880	0.813	0.874	0.851	0.797	0.853	0.818	0.841	3.79
38)		1-Methylnaphth...		0.871	0.776	0.799	0.802	0.738	0.796	0.764	0.792	5.25

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.738	0.675	0.726	0.731	0.692	0.710	0.697	0.710	3.25
41)	P	Hexachlorocycl...		0.168	0.251	0.314	0.309	0.333	0.346	0.287	23.25
42)	S	2,4,6-Tribromo...	0.283	0.278	0.282	0.289	0.277	0.289	0.289	0.284	1.86
43)	C	2,4,6-Trichlor...	0.409	0.419	0.435	0.456	0.423	0.445	0.441	0.433	3.81
44)		2,4,5-Trichlor...	0.487	0.486	0.515	0.539	0.503	0.517	0.515	0.509	3.65
45)	S	2-Fluorobiphenyl	1.596	1.475	1.527	1.516	1.426	1.442	1.414	1.485	4.38
46)		1,1'-Biphenyl	1.552	1.453	1.523	1.526	1.436	1.467	1.432	1.484	3.27
47)		2-Chloronaphth...	1.151	1.076	1.132	1.135	1.073	1.096	1.062	1.104	3.19
48)		2-Nitroaniline	0.370	0.352	0.368	0.393	0.371	0.391	0.383	0.375	3.84
49)		Acenaphthylene	1.870	1.761	1.834	1.847	1.729	1.779	1.731	1.793	3.20
50)		Dimethylphthalate	1.800	1.697	1.686	1.640	1.537	1.584	1.561	1.644	5.60
51)		2,6-Dinitrotol...	0.329	0.329	0.345	0.345	0.328	0.340	0.333	0.336	2.31
52)	C	Acenaphthene	1.160	1.109	1.137	1.153	1.087	1.099	1.097	1.120	2.60
53)		3-Nitroaniline	0.356	0.337	0.337	0.343	0.318	0.333	0.330	0.336	3.40
54)	P	2,4-Dinitrophenol		0.122	0.162	0.198	0.193	0.206	0.208	0.182	18.49
55)		Dibenzofuran	2.004	1.876	1.951	1.915	1.789	1.834	1.808	1.882	4.18
56)	P	4-Nitrophenol	0.176	0.202	0.226	0.246	0.231	0.240	0.244	0.224	11.48
57)		2,4-Dinitrotol...	0.466	0.473	0.501	0.492	0.458	0.486	0.481	0.480	3.12
58)		Fluorene	1.635	1.594	1.578	1.573	1.479	1.502	1.493	1.551	3.81
59)		2,3,4,6-Tetrac...	0.462	0.432	0.467	0.484	0.450	0.468	0.466	0.461	3.56
60)		Diethylphthalate	1.772	1.718	1.738	1.689	1.557	1.609	1.601	1.669	4.82
61)		4-Chlorophenyl...	0.981	0.938	0.946	0.954	0.899	0.913	0.908	0.934	3.13
62)		4-Nitroaniline	0.344	0.330	0.347	0.356	0.325	0.338	0.334	0.339	3.11
63)		Azobenzene	1.697	1.657	1.652	1.638	1.518	1.559	1.552	1.610	4.16
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.101	0.104	0.120	0.132	0.121	0.129	0.129	0.119	10.54
66)	c	n-Nitrosodiphe...	0.562	0.530	0.555	0.562	0.526	0.543	0.523	0.543	3.12
67)		4-Bromophenyl-...	0.244	0.239	0.249	0.253	0.239	0.246	0.241	0.244	2.10
68)		Hexachlorobenzene	0.246	0.227	0.238	0.243	0.232	0.239	0.235	0.237	2.77
69)		Atrazine	0.225	0.209	0.212	0.213	0.198	0.201	0.192	0.207	5.35
70)	C	Pentachlorophenol		0.105	0.127	0.149	0.140	0.149	0.150	0.137	12.95
71)		Phenanthrene	1.070	1.028	1.068	1.052	0.978	1.006	0.973	1.025	3.96
72)		Anthracene	1.117	1.050	1.083	1.088	1.007	1.034	0.982	1.052	4.54
73)		Carbazole	0.946	0.895	0.918	0.906	0.841	0.859	0.832	0.885	4.77
74)		Di-n-butylphth...	1.036	0.986	1.041	1.061	0.993	1.018	0.994	1.019	2.81
75)	C	Fluoranthene	1.353	1.288	1.326	1.311	1.203	1.243	1.199	1.275	4.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.501	0.491	0.481	0.396	0.367			0.447	13.69
78)		Pyrene	1.521	1.459	1.520	1.458	1.381	1.446	1.387	1.453	3.84
79)	S	Terphenyl-d14	1.307	1.238	1.289	1.223	1.165	1.201	1.155	1.226	4.72
80)		Butylbenzylpht...	0.424	0.430	0.484	0.479	0.461	0.478	0.471	0.461	5.32
81)		Benzo(a)anthra...	1.481	1.381	1.477	1.470	1.368	1.425	1.373	1.425	3.60
82)		3,3'-Dichlorob...	0.455	0.438	0.476	0.477	0.448	0.457	0.443	0.456	3.35
83)		Chrysene	1.391	1.332	1.385	1.367	1.291	1.329	1.290	1.341	3.12
84)		Bis(2-ethylhex...	0.680	0.647	0.685	0.714	0.667	0.702	0.682	0.682	3.24
85)	c	Di-n-octyl pht...	1.122	1.074	1.151	1.181	1.114	1.168	1.152	1.137	3.20

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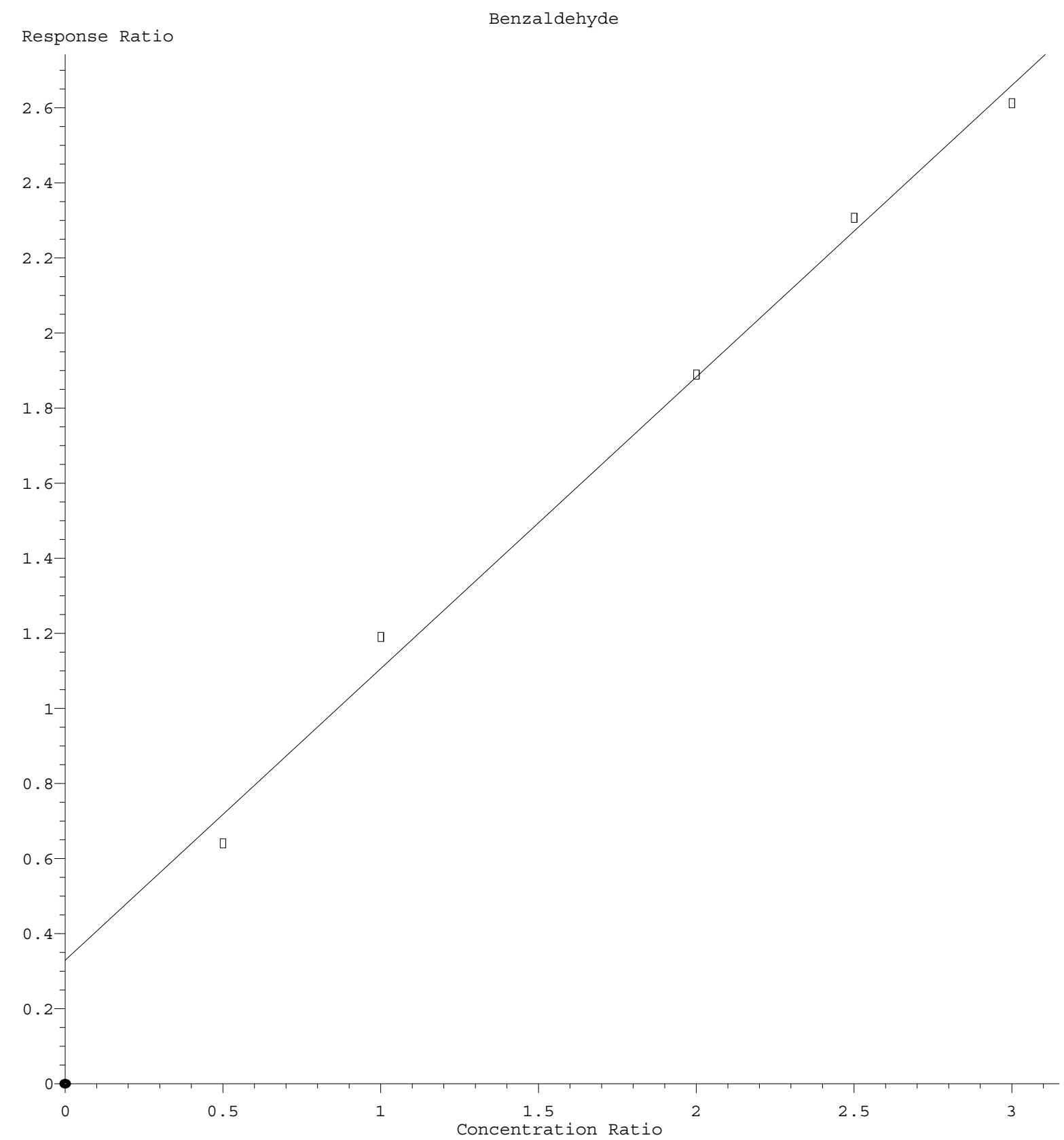
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.507	1.421	1.478	1.496	1.386	1.461	1.454	1.458	2.90
88)		Benzo(b)fluora...	1.356	1.276	1.317	1.344	1.237	1.322	1.299	1.307	3.12
89)		Benzo(k)fluora...	1.411	1.339	1.370	1.362	1.253	1.296	1.269	1.329	4.34
90)	C	Benzo(a)pyrene	1.367	1.247	1.292	1.302	1.212	1.268	1.252	1.277	3.89
91)		Dibenzo(a,h)an...	1.237	1.195	1.237	1.248	1.156	1.221	1.203	1.214	2.63
92)		Benzo(g,h,i)pe...	1.220	1.162	1.217	1.212	1.127	1.190	1.169	1.185	2.91

(#) = Out of Range



Response = 7.772e-001 * Amt + 3.286e-001
Coef of Det (r^2) = 0.993644 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042723.M
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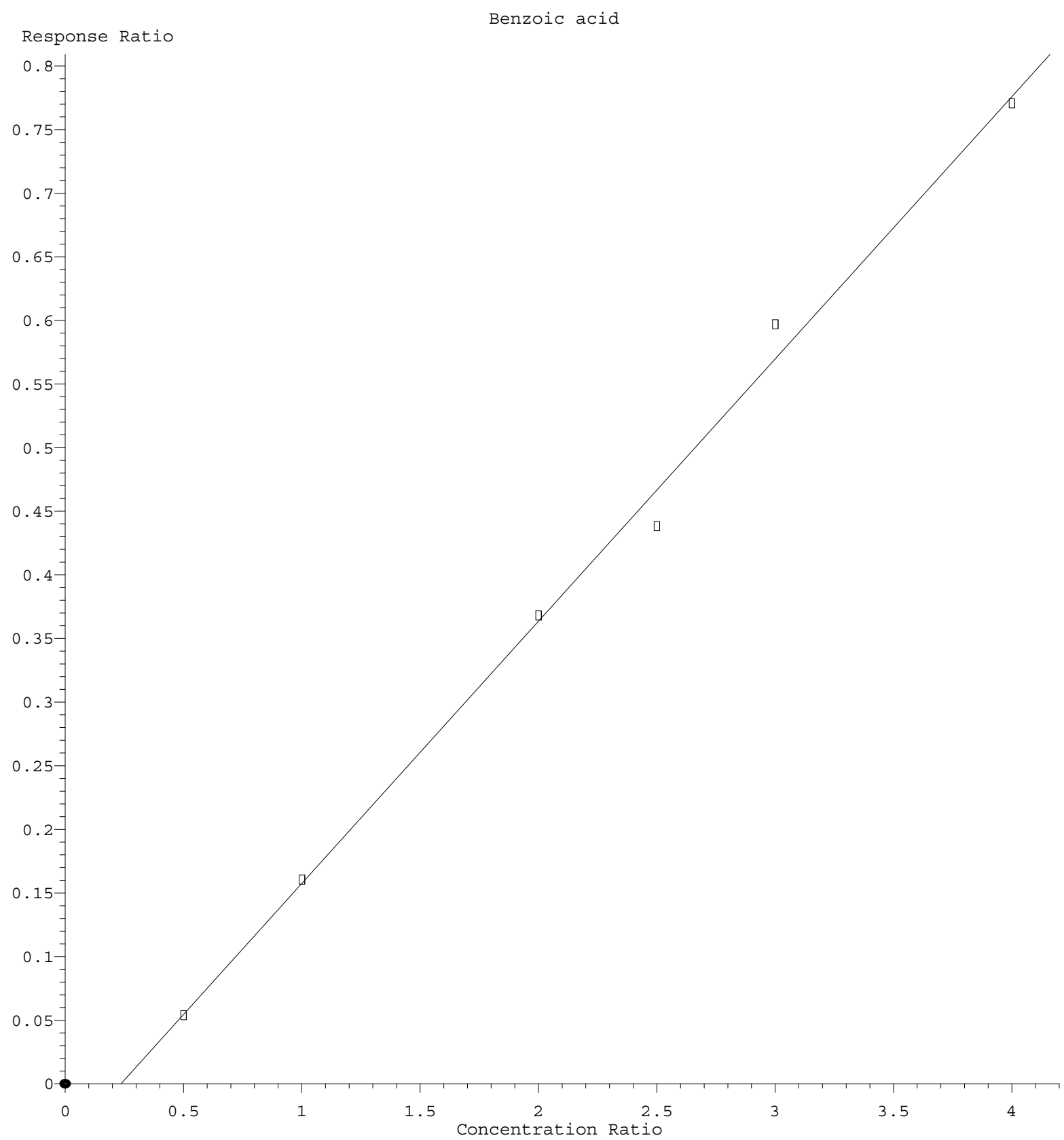

Response = 2.061e-001 * Amt - 4.862e-002
Coef of Det (r^2) = 0.995488 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042723.M
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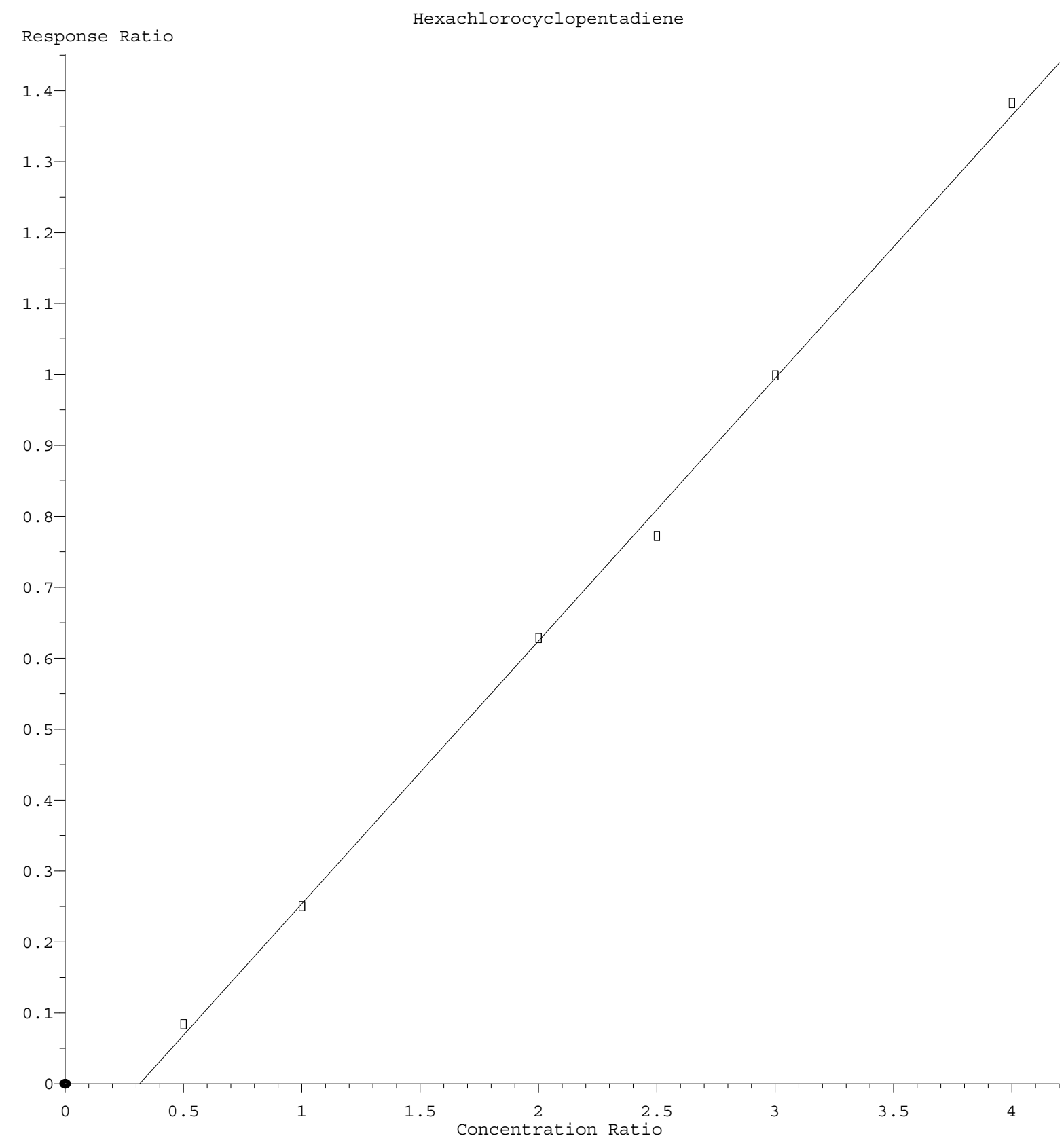

Response = 3.704e-001 * Amt - 1.166e-001
Coef of Det (r^2) = 0.998277 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042723.M
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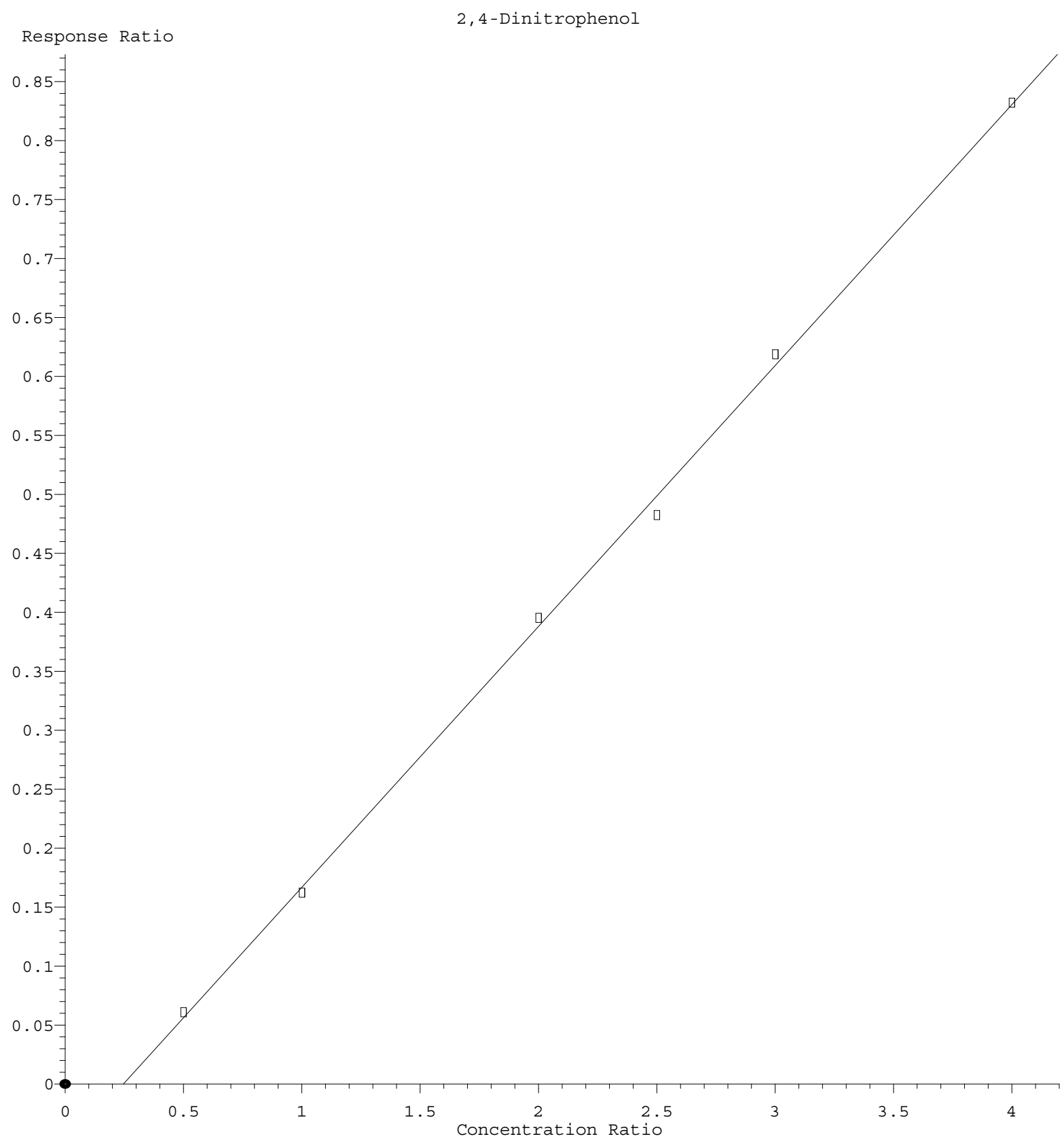

Response = 2.214e-001 * Amt - 5.443e-002
Coef of Det (r^2) = 0.998896 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042723.M
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