Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu May 23 02:14:59 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP020436.D 5 =BP020437.D 10 =BP020438.D 20 =BP020439.D 40 =BP020440.D 50 =BP020441.D 60 =BP020442.D 80 =BP0204
43.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.524	0.522	0.496	0.451	0.412	0.438	0.474	0.474	9.04
3)		Pyridine		1.103	1.164	1.191	1.125	1.156	1.257	1.232	1.175	4.72
4)		n-Nitrosodimet...		0.571	0.536	0.567	0.558	0.549	0.600	0.590	0.567	3.91
5)	S	2-Fluorophenol		1.001	1.033	1.122	1.094	1.061	1.129	1.146	1.083	4.97
6)		Aniline		1.370	1.346	1.433	1.433	1.471	1.579	1.454	1.441	5.25
7)	S	Phenol-d6		1.452	1.427	1.501	1.513	1.516	1.639	1.569	1.517	4.69
8)		2-Chlorophenol		1.232	1.148	1.204	1.231	1.202	1.262	1.229	1.216	2.95
9)		Benzaldehyde			0.974	0.971	0.821	0.762	0.755		0.857	12.73
10)	C	Phenol		1.454	1.452	1.515	1.523	1.532	1.652	1.572	1.529	4.53
11)		bis(2-Chloroet...		1.236	1.151	1.198	1.251	1.236	1.251	1.198	1.217	3.02
12)		1,3-Dichlorobe...		1.521	1.453	1.489	1.472	1.406	1.445	1.441	1.461	2.53
13)	C	1,4-Dichlorobe...		1.610	1.482	1.518	1.492	1.435	1.484	1.464	1.498	3.71
14)		1,2-Dichlorobe...		1.523	1.405	1.427	1.419	1.398	1.447	1.416	1.434	2.95
15)		Benzyl Alcohol		1.169	1.157	1.204	1.274	1.314	1.392	1.264	1.253	6.71
16)		2,2'-oxybis(1-...		1.516	1.339	1.374	1.445	1.392	1.372	1.319	1.394	4.83
17)		2-Methylphenol		0.916	0.973	0.981	1.032	1.059	1.126	1.035	1.017	6.69
18)		Hexachloroethane		0.589	0.553	0.577	0.589	0.566	0.559	0.550	0.569	2.82
19)	P	n-Nitroso-di-n...	1.028	1.145	0.891	0.975	1.054	1.096	1.120	0.992	1.037	8.12
20)		3+4-Methylphenols		1.277	1.253	1.363	1.431	1.486	1.565	1.432	1.401	7.97
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.485	0.492	0.528	0.512	0.498	0.528	0.530	0.510	3.69
23)	S	Nitrobenzene-d5		0.405	0.398	0.435	0.428	0.409	0.428	0.423	0.418	3.33
24)		Nitrobenzene		0.398	0.391	0.432	0.421	0.399	0.424	0.417	0.412	3.75
25)		Isophorone		0.669	0.624	0.702	0.717	0.710	0.738	0.696	0.694	5.36
26)	C	2-Nitrophenol		0.148	0.146	0.169	0.178	0.174	0.186	0.186	0.170	9.78
27)		2,4-Dimethylph...		0.184	0.174	0.200	0.202	0.199	0.212	0.208	0.197	6.81
28)		bis(2-Chloroet...		0.386	0.349	0.415	0.426	0.408	0.415	0.406	0.401	6.50
29)	C	2,4-Dichloroph...		0.260	0.261	0.304	0.306	0.303	0.320	0.316	0.296	8.49
30)		1,2,4-Trichlor...		0.368	0.360	0.383	0.378	0.354	0.366	0.372	0.369	2.75
31)		Naphthalene		1.030	0.975	1.028	1.014	0.977	1.021	1.023	1.010	2.32
32)		Benzoic acid			0.136	0.179	0.209	0.228	0.251	0.238	0.207	20.66
33)		4-Chloroaniline		0.296	0.300	0.333	0.352	0.356	0.390	0.366	0.342	10.05
34)	C	Hexachlorobuta...		0.270	0.243	0.272	0.278	0.251	0.248	0.255	0.260	5.29
35)		Caprolactam		0.074	0.071	0.085	0.081	0.091	0.100	0.086	0.084	11.83
36)	C	4-Chloro-3-met...		0.318	0.304	0.341	0.338	0.351	0.384	0.356	0.342	7.64
37)		2-Methylnaphth...		0.703	0.641	0.702	0.703	0.693	0.716	0.687	0.692	3.51
38)		1-Methylnaphth...		0.718	0.635	0.687	0.697	0.684	0.704	0.681	0.686	3.79

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.633	0.613	0.663	0.694	0.623	0.633	0.690	0.650	5.03
41)	P	Hexachlorocycl...		0.118	0.174	0.233	0.212	0.213	0.237	0.198	22.79
42)	S	2,4,6-Tribromo...	0.246	0.234	0.272	0.266	0.270	0.279	0.254	0.260	6.19
43)	C	2,4,6-Trichlor...	0.353	0.345	0.398	0.418	0.403	0.422	0.430	0.395	8.53
44)		2,4,5-Trichlor...	0.391	0.393	0.432	0.458	0.437	0.460	0.463	0.434	7.09
45)	S	2-Fluorobiphenyl	1.441	1.390	1.430	1.524	1.411	1.433	1.500	1.447	3.32
46)		1,1'-Biphenyl	1.405	1.341	1.416	1.480	1.353	1.405	1.464	1.409	3.66
47)		2-Chloronaphth...	1.111	1.113	1.165	1.144	1.084	1.128	1.181	1.132	2.97
48)		2-Nitroaniline	0.276	0.293	0.352	0.342	0.345	0.375	0.360	0.335	10.81
49)		Acenaphthylene	1.537	1.489	1.648	1.639	1.575	1.665	1.655	1.601	4.25
50)		Dimethylphthalate	1.377	1.302	1.401	1.389	1.368	1.417	1.340	1.371	2.84
51)		2,6-Dinitrotol...	0.275	0.284	0.318	0.314	0.314	0.332	0.316	0.307	6.67
52)	C	Acenaphthene	1.012	0.981	1.050	1.037	1.000	1.027	1.027	1.019	2.30
53)		3-Nitroaniline	0.202	0.242	0.279	0.268	0.280	0.309	0.272	0.264	12.86
54)	P	2,4-Dinitrophenol		0.111	0.156	0.168	0.184	0.198	0.183	0.167	18.58
55)		Dibenzofuran	1.652	1.593	1.695	1.671	1.605	1.677	1.617	1.644	2.39
56)	P	4-Nitrophenol		0.070	0.178	0.182	0.208	0.232	0.204	0.179	31.73
57)		2,4-Dinitrotol...	0.356	0.357	0.444	0.414	0.429	0.462	0.405	0.410	9.90
58)		Fluorene	1.361	1.300	1.343	1.317	1.318	1.383	1.325	1.335	2.16
59)		2,3,4,6-Tetrac...	0.366	0.370	0.396	0.382	0.378	0.393	0.364	0.379	3.36
60)		Diethylphthalate	1.303	1.249	1.412	1.386	1.400	1.428	1.249	1.347	5.77
61)		4-Chlorophenyl...	0.742	0.701	0.737	0.752	0.735	0.750	0.714	0.733	2.58
62)		4-Nitroaniline	0.176	0.220	0.262	0.244	0.256	0.280	0.243	0.240	14.02
63)		Azobenzene	1.296	1.237	1.413	1.312	1.313	1.321	1.234	1.304	4.61
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.081	0.114	0.129	0.127	0.135	0.134	0.120	16.92
66)	c	n-Nitrosodiphe...	0.540	0.513	0.548	0.573	0.539	0.560	0.594	0.553	4.77
67)		4-Bromophenyl-...	0.224	0.198	0.222	0.244	0.225	0.228	0.238	0.226	6.41
68)		Hexachlorobenzene	0.282	0.248	0.263	0.275	0.261	0.264	0.273	0.267	4.19
69)		Atrazine	0.171	0.167	0.188	0.170	0.157	0.149	0.126	0.161	12.18
70)	C	Pentachlorophenol	0.121	0.127	0.160	0.164	0.157	0.168	0.161	0.151	12.40
71)		Phenanthrene	0.977	0.943	0.975	0.974	0.936	0.974	0.970	0.964	1.77
72)		Anthracene	0.907	0.901	0.981	0.979	0.921	0.965	0.969	0.946	3.71
73)		Carbazole	0.755	0.840	0.929	0.880	0.802	0.857	0.861	0.846	6.55
74)		Di-n-butylphth...	0.868	0.848	1.099	1.180	1.101	1.052	0.965	1.016	12.39
75)	C	Fluoranthene	1.026	1.156	1.281	1.196	1.008	1.071	1.124	1.123	8.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.240	0.220	0.275	0.406	0.228	0.284	0.306	0.280	22.83
78)		Pyrene	1.391	1.111	1.230	1.392	1.538	1.549	1.262	1.353	11.98
79)	S	Terphenyl-d14	1.181	0.984	1.099	1.205	1.346	1.285	1.082	1.169	10.64
80)		Butylbenzylpht...	0.422	0.369	0.485	0.550	0.551	0.513	0.491	0.483	13.83
81)		Benzo(a)anthra...	1.209	1.187	1.250	1.286	1.250	1.279	1.282	1.249	3.07
82)		3,3'-Dichlorob...	0.354	0.408	0.457	0.465	0.399	0.425	0.471	0.426	9.93
83)		Chrysene	1.265	1.201	1.230	1.232	1.193	1.228	1.254	1.229	2.10
84)		Bis(2-ethylhex...	0.616	0.542	0.711	0.855	0.778	0.682	0.711	0.699	14.62
85)	c	Di-n-octyl pht...	1.027	0.975	1.183	1.386	1.212	1.119	1.246	1.164	11.91

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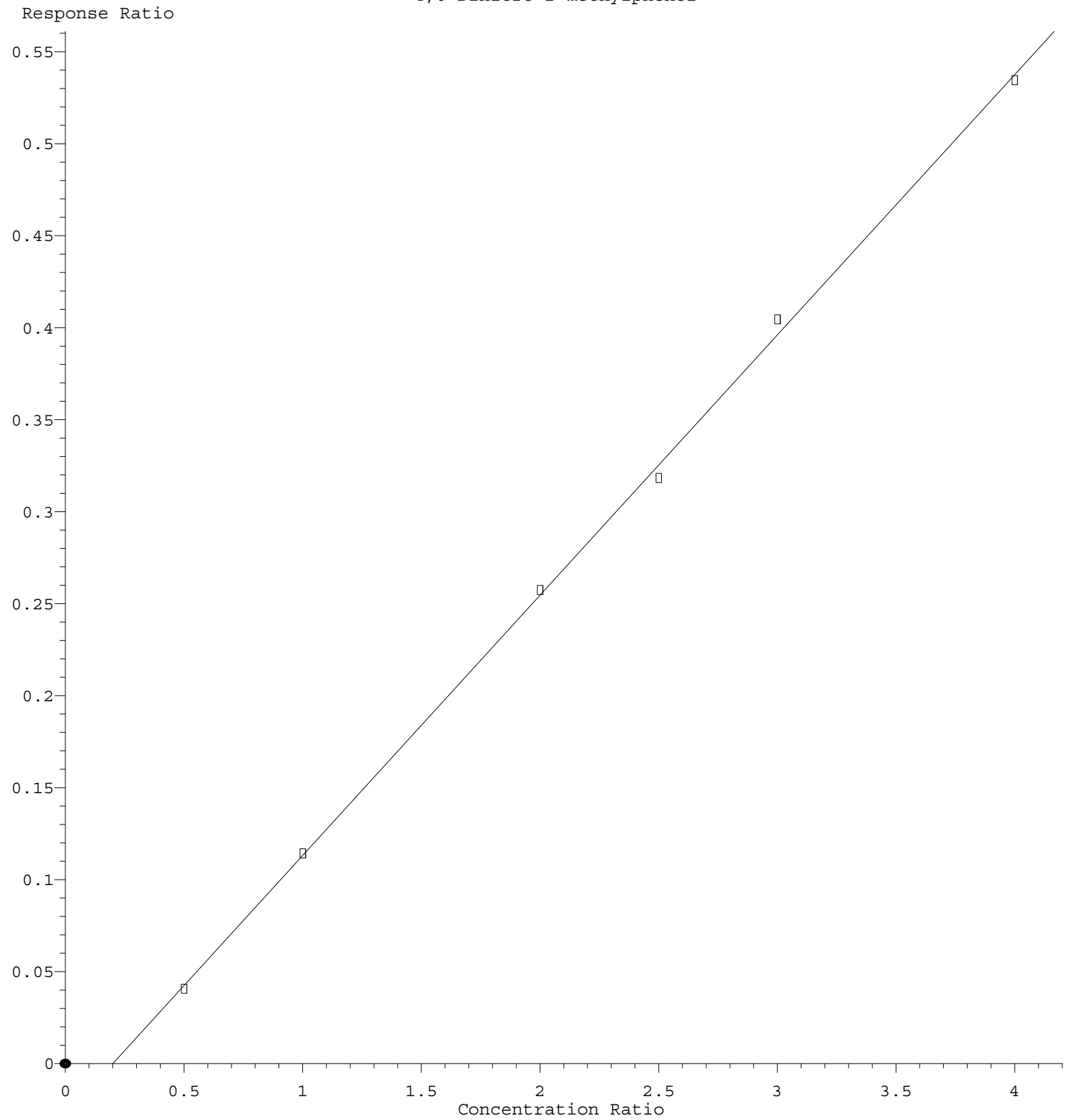
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.294	1.362	1.355	1.334	1.400	1.419	1.364	3.09
88)		Benzo(b)fluora...	1.062	1.060	1.169	1.212	1.146	1.173	1.178	1.143	5.19
89)		Benzo(k)fluora...	1.077	1.093	1.167	1.177	1.105	1.121	1.161	1.129	3.51
90)	C	Benzo(a)pyrene	0.944	0.931	1.033	1.055	1.014	1.040	1.065	1.012	5.25
91)		Dibenzo(a,h)an...	1.121	1.048	1.123	1.134	1.101	1.167	1.174	1.124	3.78
92)		Benzo(g,h,i)pe...	1.183	1.107	1.130	1.126	1.126	1.195	1.203	1.153	3.41

(#) = Out of Range

4,6-Dinitro-2-methylphenol



Response = 1.415e-001 * Amt - 2.828e-002
Coef of Det (r^2) = 0.999148 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052224.M
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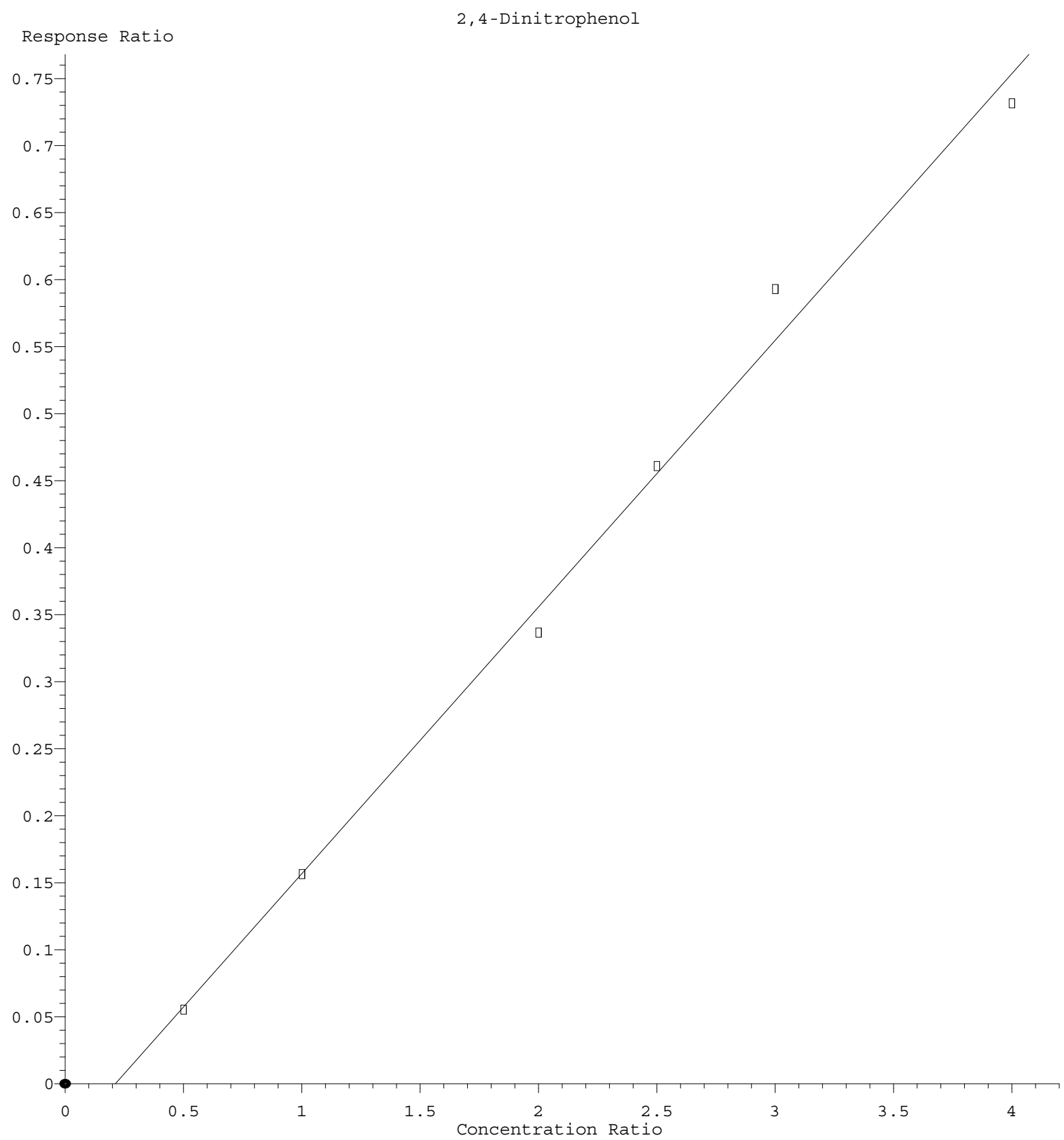

Response = 1.990e-001 * Amt - 4.217e-002
Coef of Det (r^2) = 0.992925 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052224.M
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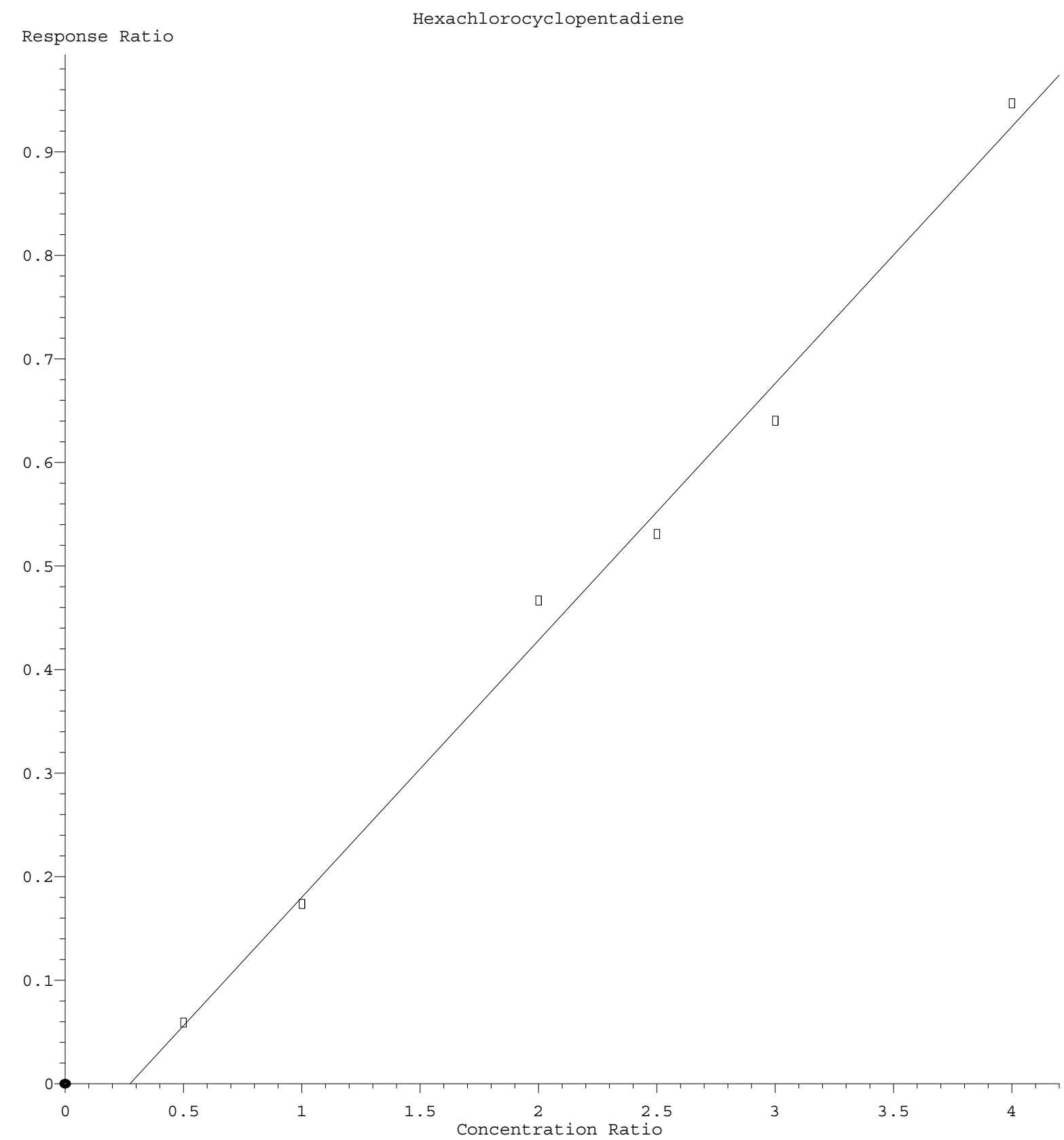

Response = 2.481e-001 * Amt - 6.805e-002
Coef of Det (r^2) = 0.992675 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052224.M
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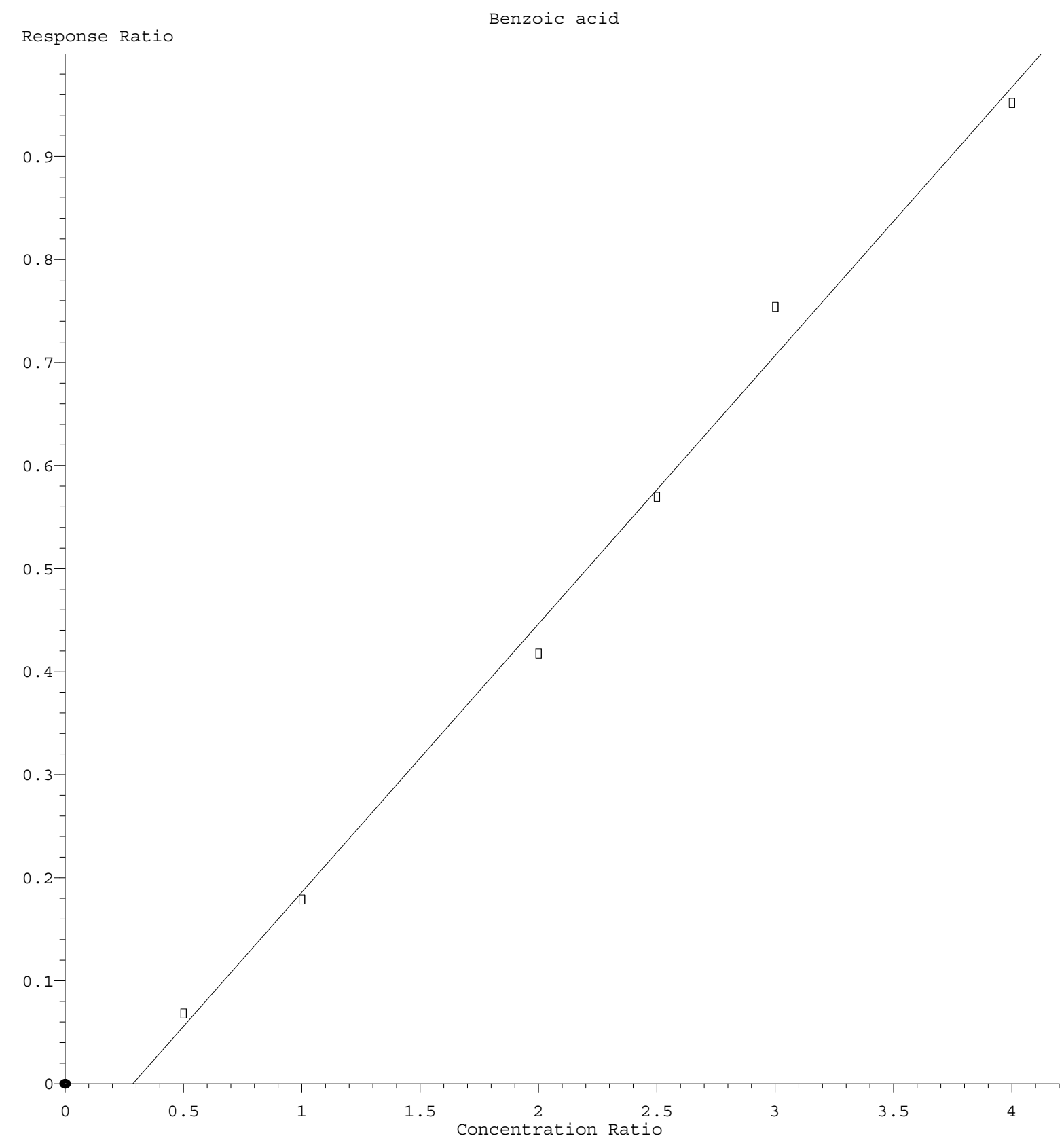

Response = 2.606e-001 * Amt - 7.457e-002
Coef of Det (r^2) = 0.993757 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052224.M
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