Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG091922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Sep 19 17:41:40 2022
Response Via : Initial Calibration

Calibration Files
5 =BG054969.D 10 =BG054970.D 20 =BG054971.D 40 =BG054972.D 50 =BG054973.D 60 =BG054974.D 80 =BG054975.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.564	0.516	0.491	0.467	0.485	0.488	0.466	0.497	6.87
3)		Pyridine	1.331	1.328	1.399	1.337	1.347	1.381	1.324	1.349	2.14
4)		n-Nitrosodimet...	0.487	0.480	0.518	0.481	0.500	0.498	0.482	0.492	2.85
5)	S	2-Fluorophenol	1.032	1.014	1.064	1.013	1.023	1.038	0.971	1.022	2.79
6)		Aniline	1.683	1.707	1.810	1.750	1.707	1.726	1.613	1.714	3.54
7)	S	Phenol-d6	1.306	1.364	1.444	1.408	1.365	1.401	1.302	1.370	3.84
8)		2-Chlorophenol	1.207	1.205	1.283	1.211	1.180	1.208	1.133	1.204	3.70
9)		Benzaldehyde	1.019	1.009	0.968	0.852	0.814	0.771	0.677	0.873	14.92
10)	C	Phenol	1.439	1.467	1.575	1.527	1.473	1.509	1.404	1.485	3.85
11)		bis(2-Chloroet...	1.248	1.171	1.218	1.169	1.144	1.169	1.101	1.174	4.07
12)		1,3-Dichlorobe...	1.489	1.413	1.473	1.360	1.377	1.406	1.313	1.404	4.41
13)	C	1,4-Dichlorobe...	1.511	1.442	1.506	1.399	1.400	1.426	1.334	1.431	4.38
14)		1,2-Dichlorobe...	1.405	1.379	1.435	1.336	1.309	1.331	1.246	1.349	4.70
15)		Benzyl Alcohol	0.906	0.959	1.057	1.063	1.004	1.041	0.984	1.002	5.70
16)		2,2'-oxybis(1-...	1.439	1.468	1.503	1.454	1.416	1.439	1.354	1.439	3.22
17)		2-Methylphenol	0.971	1.027	1.120	1.095	1.031	1.076	1.006	1.047	5.02
18)		Hexachloroethane	0.502	0.506	0.514	0.480	0.479	0.499	0.464	0.492	3.66
19)	P	n-Nitroso-di-n...	0.900	0.927	1.008	0.997	0.928	0.949	0.892	0.943	4.74
20)		3+4-Methylphenols	1.381	1.436	1.528	1.536	1.450	1.505	1.410	1.464	4.11
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.476	0.467	0.490	0.465	0.466	0.480	0.464	0.473	2.08
23)	S	Nitrobenzene-d5	0.336	0.337	0.355	0.339	0.346	0.354	0.348	0.345	2.31
24)		Nitrobenzene	0.333	0.338	0.359	0.343	0.345	0.356	0.347	0.346	2.62
25)		Isophorone	0.654	0.624	0.671	0.661	0.648	0.671	0.658	0.655	2.50
26)	C	2-Nitrophenol	0.168	0.169	0.184	0.184	0.186	0.193	0.190	0.182	5.49
27)		2,4-Dimethylph...	0.242	0.243	0.269	0.260	0.257	0.267	0.261	0.257	4.21
28)		bis(2-Chloroet...	0.364	0.355	0.382	0.368	0.367	0.376	0.370	0.369	2.26
29)	C	2,4-Dichloroph...	0.271	0.289	0.320	0.312	0.313	0.325	0.317	0.307	6.29
30)		1,2,4-Trichlor...	0.350	0.349	0.367	0.348	0.347	0.361	0.353	0.354	2.11
31)		Naphthalene	1.066	1.051	1.084	1.021	1.026	1.049	1.023	1.046	2.28
32)		Benzoic acid		0.243	0.005	0.034	0.038	0.048	0.052	0.070	123.47
33)		4-Chloroaniline	0.400	0.401	0.443	0.433	0.428	0.443	0.436	0.426	4.37
34)	C	Hexachlorobuta...	0.244	0.228	0.243	0.227	0.233	0.237	0.233	0.235	2.84
35)		Caprolactam	0.101	0.102	0.118	0.116	0.113	0.119	0.114	0.112	6.82
36)	C	4-Chloro-3-met...	0.296	0.309	0.343	0.340	0.328	0.343	0.334	0.328	5.55
37)		2-Methylnaphth...	0.722	0.727	0.779	0.754	0.731	0.760	0.741	0.745	2.74
38)		1-Methylnaphth...	0.721	0.718	0.764	0.734	0.717	0.735	0.712	0.729	2.47

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.589	0.577	0.601	0.568	0.580	0.595	0.584	0.585	1.92
41)	P	Hexachlorocycl...			0.014	0.044	0.056	0.078	0.092	0.057	52.76
42)	S	2,4,6-Tribromo...	0.207	0.209	0.238	0.243	0.241	0.258	0.245	0.234	8.07
43)	C	2,4,6-Trichlor...	0.296	0.303	0.337	0.344	0.348	0.363	0.361	0.336	7.89
44)		2,4,5-Trichlor...	0.341	0.338	0.401	0.394	0.404	0.412	0.410	0.386	8.32
45)	S	2-Fluorobiphenyl	1.354	1.287	1.328	1.231	1.237	1.242	1.205	1.269	4.37
46)		1,1'-Biphenyl	1.392	1.339	1.398	1.314	1.326	1.356	1.320	1.349	2.54
47)		2-Chloronaphth...	1.074	1.047	1.094	1.030	1.040	1.061	1.037	1.055	2.17
48)		2-Nitroaniline	0.284	0.281	0.317	0.316	0.316	0.332	0.321	0.310	6.25
49)		Acenaphthylene	1.843	1.783	1.859	1.746	1.741	1.783	1.723	1.783	2.91
50)		Dimethylphthalate	1.590	1.500	1.579	1.495	1.477	1.513	1.448	1.514	3.45
51)		2,6-Dinitrotol...	0.314	0.309	0.331	0.323	0.321	0.333	0.322	0.322	2.62
52)	C	Acenaphthene	1.092	1.055	1.138	1.088	1.089	1.127	1.100	1.098	2.49
53)		3-Nitroaniline	0.332	0.321	0.361	0.356	0.354	0.369	0.353	0.349	4.83
54)	P	2,4-Dinitrophenol		0.020	0.052	0.087	0.088	0.110	0.113	0.078	45.94
55)		Dibenzofuran	1.811	1.725	1.795	1.705	1.693	1.698	1.651	1.726	3.35
56)	P	4-Nitrophenol		0.135	0.178	0.203	0.205	0.228	0.213	0.194	17.02
57)		2,4-Dinitrotol...	0.428	0.429	0.469	0.469	0.464	0.484	0.463	0.458	4.65
58)		Fluorene	1.530	1.468	1.523	1.447	1.428	1.462	1.394	1.465	3.33
59)		2,3,4,6-Tetrac...	0.265	0.246	0.319	0.359	0.346	0.372	0.370	0.325	15.68
60)		Diethylphthalate	1.603	1.508	1.569	1.498	1.467	1.510	1.430	1.512	3.87
61)		4-Chlorophenyl...	0.764	0.732	0.762	0.730	0.727	0.746	0.719	0.740	2.41
62)		4-Nitroaniline	0.335	0.344	0.379	0.375	0.365	0.387	0.360	0.364	5.16
63)		Azobenzene	1.233	1.210	1.280	1.239	1.221	1.258	1.217	1.237	2.02
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.087	0.097	0.097	0.107	0.107	0.093	16.97
66)	c	n-Nitrosodiphe...	0.535	0.530	0.563	0.527	0.523	0.535	0.531	0.535	2.43
67)		4-Bromophenyl-...	0.217	0.214	0.226	0.221	0.218	0.225	0.222	0.221	2.06
68)		Hexachlorobenzene	0.256	0.250	0.267	0.249	0.247	0.255	0.250	0.253	2.66
69)		Atrazine	0.221	0.203	0.211	0.200	0.197	0.200	0.190	0.203	4.91
70)	C	Pentachlorophenol		0.021	0.039	0.049	0.056	0.065	0.069	0.050	35.80#
71)		Phenanthrene	1.068	1.018	1.071	0.999	0.988	1.014	0.972	1.019	3.72
72)		Anthracene	1.030	1.000	1.051	0.982	0.970	0.980	0.942	0.994	3.69
73)		Carbazole	0.947	0.902	0.959	0.906	0.882	0.910	0.862	0.910	3.73
74)		Di-n-butylphth...	1.215	1.129	1.190	1.126	1.093	1.105	1.041	1.128	5.22
75)	C	Fluoranthene	1.427	1.303	1.356	1.267	1.231	1.263	1.183	1.290	6.30
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.622	0.491	0.469	0.484	0.463	0.495	0.443	0.496	11.87
78)		Pyrene	1.333	1.335	1.405	1.304	1.288	1.292	1.245	1.315	3.83
79)	S	Terphenyl-d14	1.032	1.013	1.041	0.935	0.918	0.899	0.855	0.956	7.62
80)		Butylbenzylpht...	0.503	0.501	0.530	0.504	0.512	0.519	0.507	0.511	2.03
81)		Benzo(a)anthra...	1.335	1.276	1.334	1.264	1.264	1.282	1.248	1.286	2.71
82)		3,3'-Dichlorob...	0.442	0.446	0.467	0.440	0.443	0.450	0.435	0.446	2.29
83)		Chrysene	1.285	1.233	1.284	1.198	1.205	1.229	1.186	1.231	3.25
84)		Bis(2-ethylhex...	0.723	0.719	0.758	0.722	0.736	0.741	0.731	0.733	1.85
85)	c	Di-n-octyl pht...	1.284	1.261	1.302	1.248	1.263	1.272	1.239	1.267	1.70

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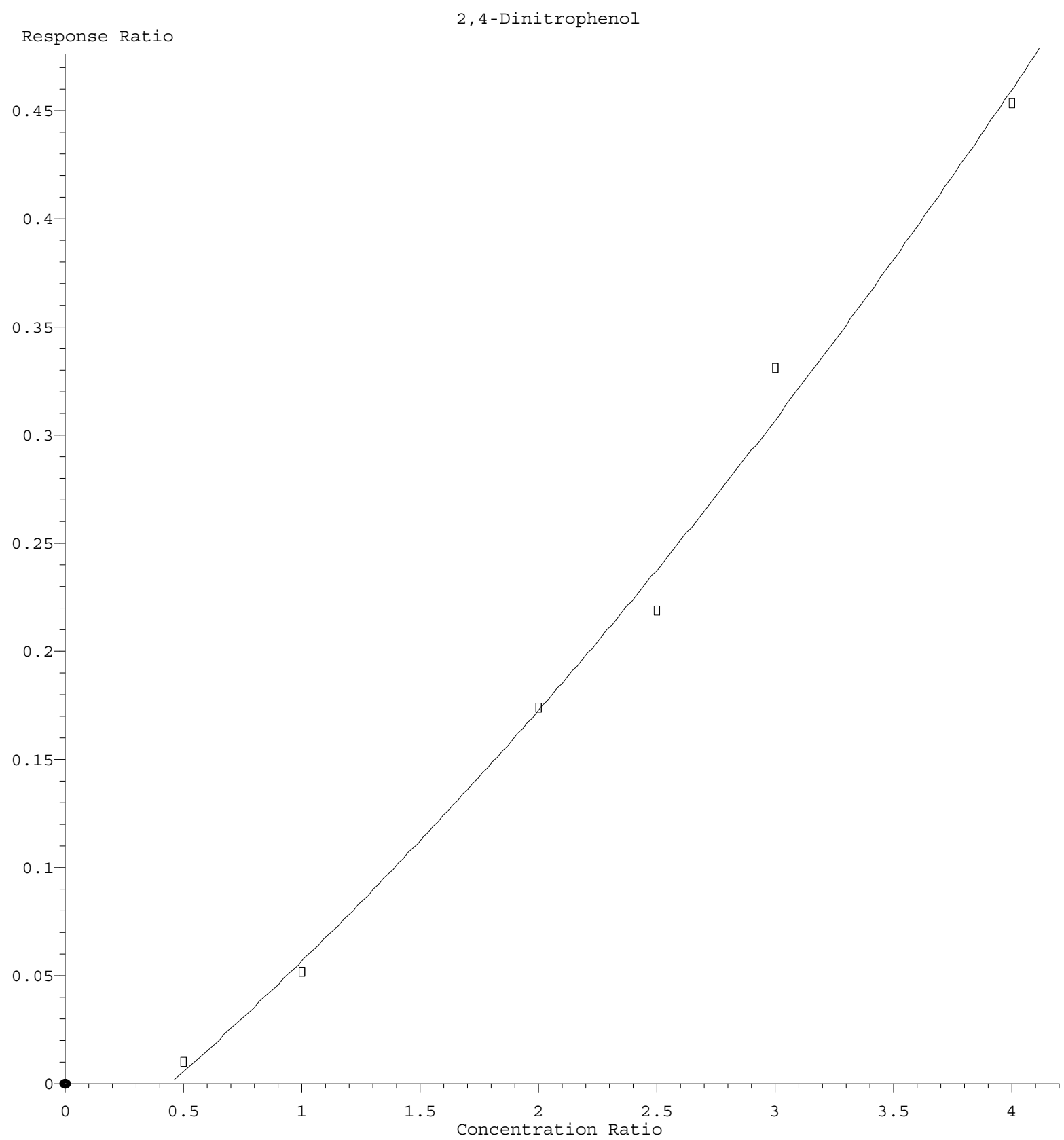
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.466	1.583	1.495	1.431	1.451	1.504	1.478	1.487	3.30
88)		Benzo(b)fluora...	1.171	1.164	1.211	1.150	1.171	1.208	1.183	1.180	1.92
89)		Benzo(k)fluora...	1.217	1.195	1.240	1.185	1.173	1.178	1.148	1.191	2.54
90)	C	Benzo(a)pyrene	1.019	1.013	1.045	0.992	1.004	1.030	1.007	1.016	1.73
91)		Dibenzo(a,h)an...	1.216	1.305	1.234	1.181	1.188	1.233	1.211	1.224	3.34
92)		Benzo(g,h,i)pe...	1.226	1.348	1.235	1.182	1.195	1.238	1.213	1.234	4.41

(#) = Out of Range



R = 9.139e-003 A*A + 8.864e-002 A - 4.112e-002
Coef of Det (r^2) = 0.992777 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG091922.M
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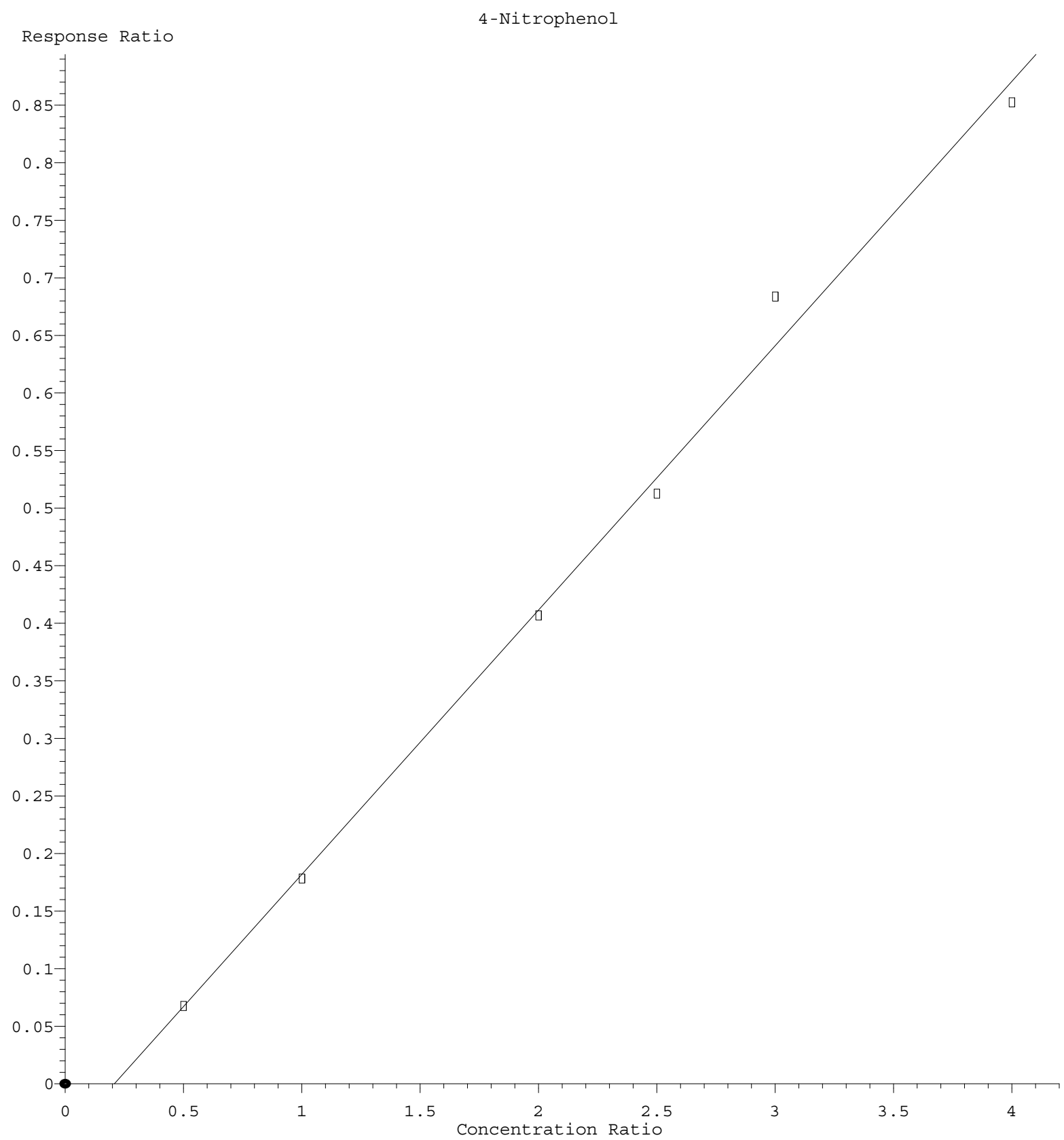

Response = 2.298e-001 * Amt - 4.770e-002
Coef of Det (r^2) = 0.994640 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG091922.M
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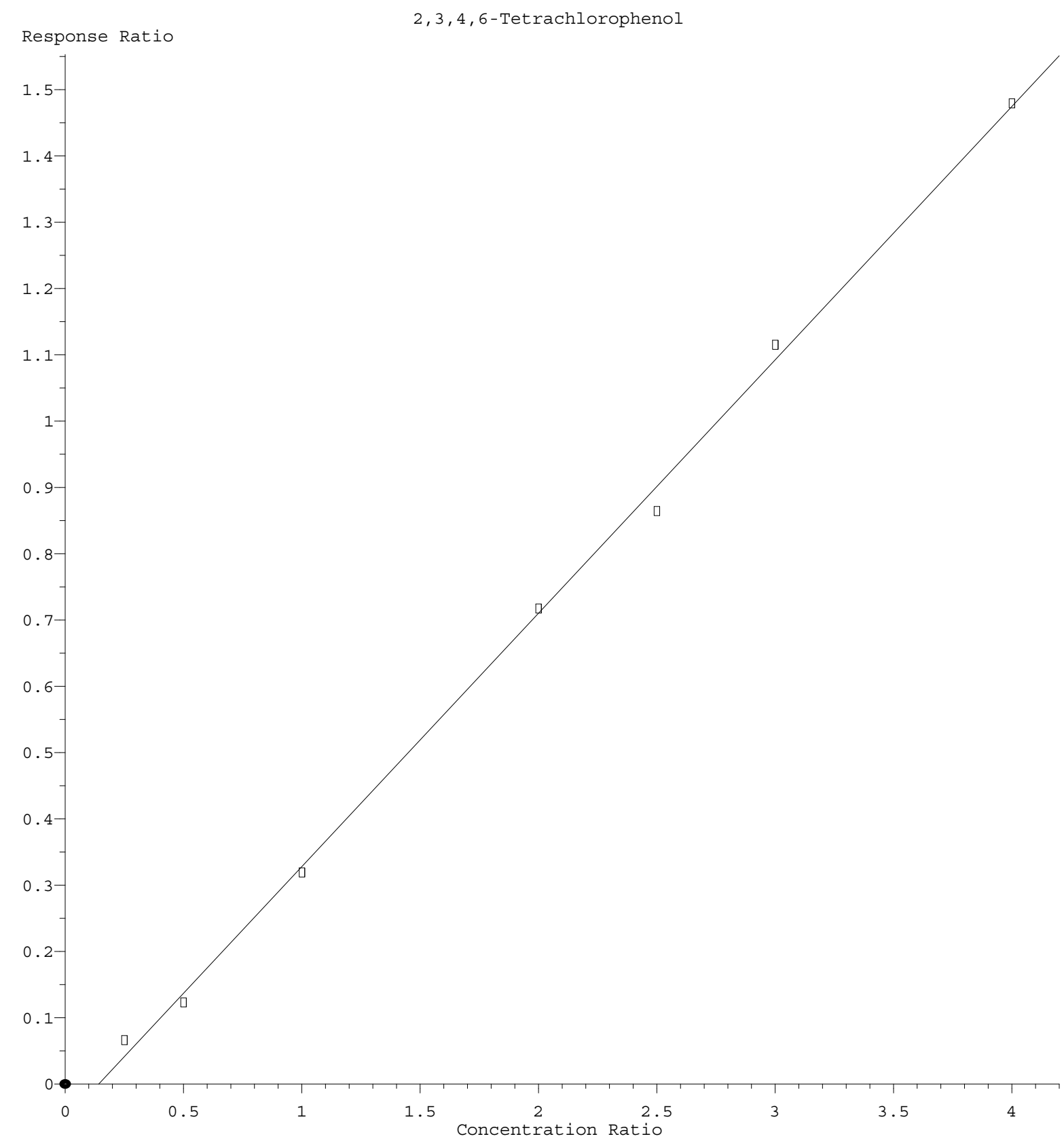

Response = 3.821e-001 * Amt - 5.415e-002
Coef of Det (r^2) = 0.998311 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG091922.M
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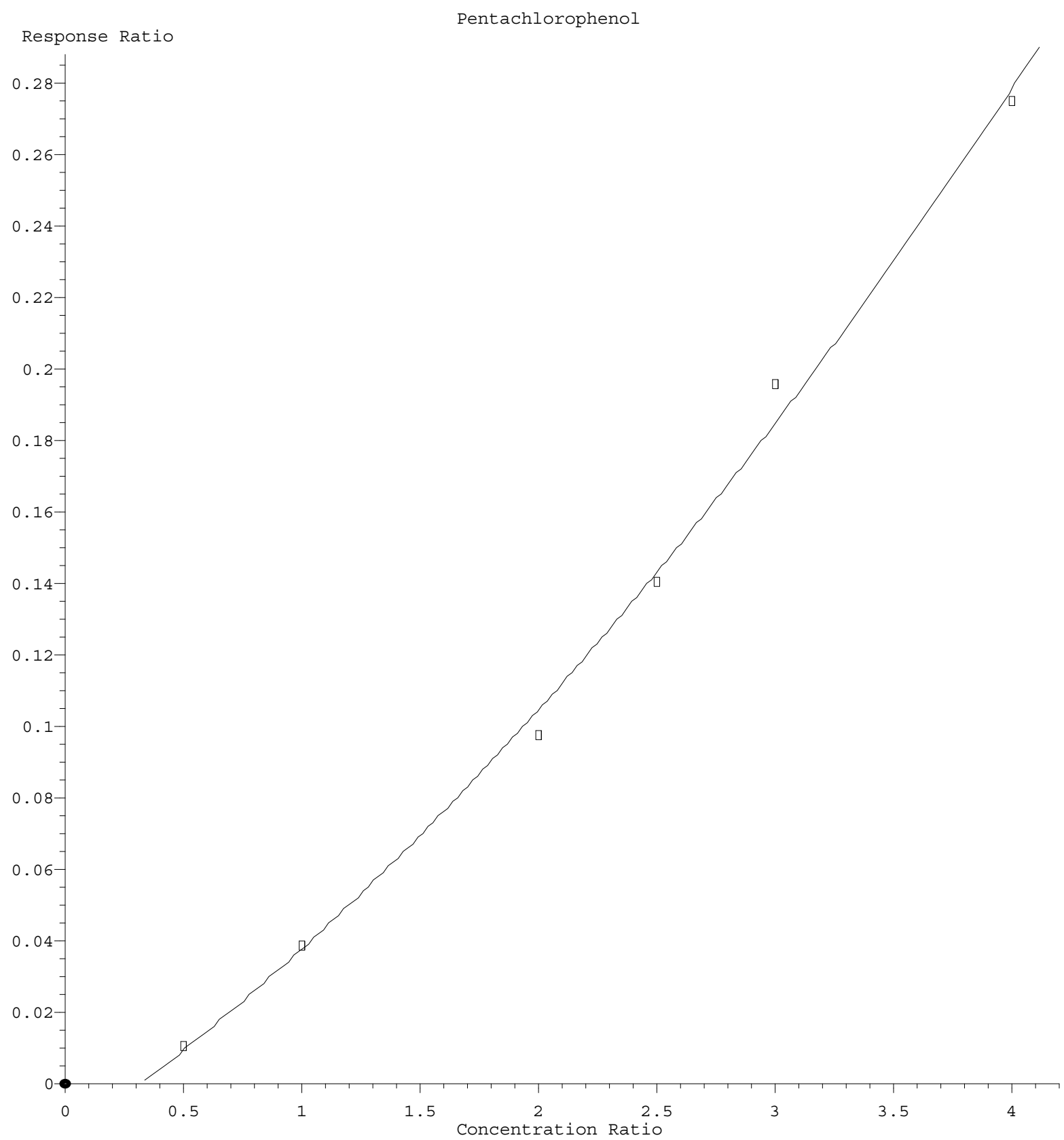

R = 6.705e-003 A*A + 4.671e-002 A - 1.568e-002
Coef of Det (r^2) = 0.996110 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG091922.M
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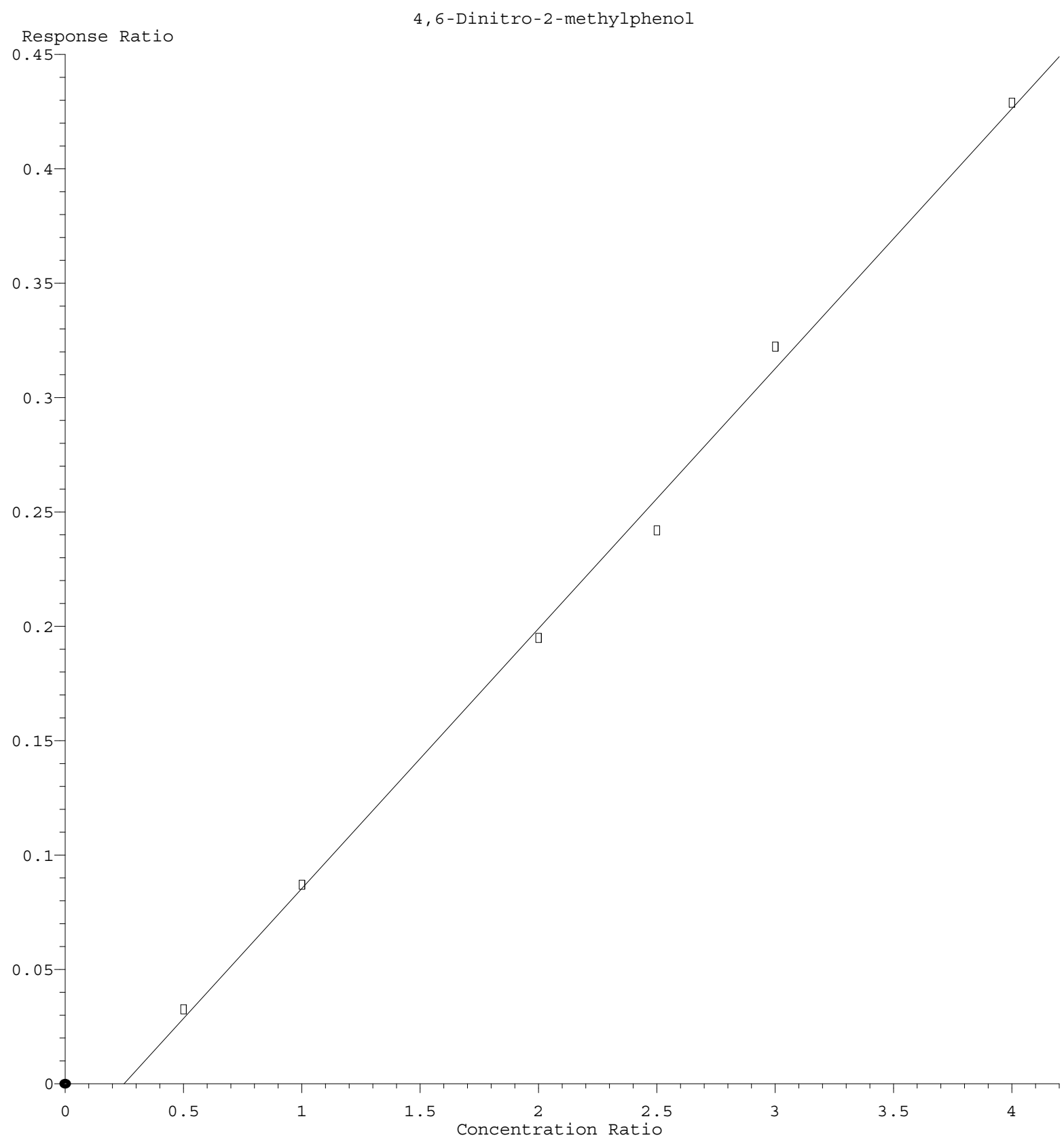

Response = 1.137e-001 * Amt - 2.835e-002
Coef of Det (r^2) = 0.996975 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG091922.M
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