Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF083122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 31 18:15:32 2022
Response Via : Initial Calibration

Calibration Files
5 =BF130050.D 10 =BF130051.D 20 =BF130052.D 40 =BF130053.D 50 =BF130054.D 60 =BF130055.D 80 =BF130056.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.593	0.608	0.581	0.528	0.529	0.518	0.498	0.551	7.73
3)		Pyridine	1.538	1.602	1.543	1.420	1.432	1.403	1.396	1.476	5.62
4)		n-Nitrosodimet...	0.586	0.614	0.615	0.571	0.574	0.555	0.550	0.581	4.47
5)	S	2-Fluorophenol	1.363	1.350	1.285	1.106	1.082	1.067	0.994	1.178	12.77
6)		Aniline	2.007	2.024	1.989	1.797	1.750	1.713	1.609	1.841	8.96
7)	S	Phenol-d6	1.681	1.685	1.587	1.384	1.357	1.343	1.244	1.469	12.17
8)		2-Chlorophenol	1.435	1.486	1.425	1.248	1.200	1.185	1.073	1.293	12.05
9)		Benzaldehyde	1.094	1.079	0.988	0.783	0.743	0.706		0.899	19.50
10)	C	Phenol	1.917	1.935	1.819	1.573	1.513	1.500	1.364	1.660	13.68
11)		bis(2-Chloroet...	1.445	1.439	1.384	1.209	1.177	1.143	1.033	1.261	12.78
12)		1,3-Dichlorobe...	1.649	1.646	1.580	1.362	1.321	1.285	1.192	1.433	13.08
13)	C	1,4-Dichlorobe...	1.686	1.665	1.584	1.372	1.305	1.298	1.197	1.444	13.67
14)		1,2-Dichlorobe...	1.606	1.554	1.473	1.225	1.174	1.154	1.003	1.313	17.53
15)		Benzyl Alcohol	1.113	1.163	1.109	0.956	0.916	0.900	0.773	0.990	14.33
16)		2,2'-oxybis(1-...	1.935	1.959	1.879	1.657	1.594	1.557	1.419	1.714	12.27
17)		2-Methylphenol	1.192	1.219	1.171	1.047	1.028	1.004	0.954	1.088	9.57
18)		Hexachloroethane	0.556	0.570	0.566	0.511	0.503	0.486	0.457	0.521	8.37
19)	P	n-Nitroso-di-n...	1.003	0.985	0.945	0.835	0.823	0.821	0.782	0.885	10.17
20)		3+4-Methylphenols	1.538	1.577	1.425	1.180	1.123	1.093	0.995	1.276	18.27
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.525	0.530	0.480	0.412	0.401	0.397	0.382	0.447	14.18
23)	S	Nitrobenzene-d5	0.278	0.313	0.333	0.310	0.317	0.318	0.310	0.311	5.41
24)		Nitrobenzene	0.312	0.347	0.356	0.325	0.329	0.332	0.316	0.331	4.72
25)		Isophorone	0.650	0.669	0.648	0.604	0.606	0.617	0.615	0.630	4.03
26)	C	2-Nitrophenol	0.081	0.106	0.138	0.146	0.155	0.161	0.161	0.135	22.65
27)		2,4-Dimethylph...	0.281	0.283	0.278	0.251	0.253	0.254	0.250	0.264	5.86
28)		bis(2-Chloroet...	0.412	0.419	0.397	0.360	0.358	0.356	0.347	0.378	7.93
29)	C	2,4-Dichloroph...	0.289	0.304	0.301	0.273	0.274	0.274	0.264	0.283	5.45
30)		1,2,4-Trichlor...	0.339	0.335	0.317	0.278	0.275	0.278	0.265	0.298	10.48
31)		Naphthalene	1.184	1.181	1.097	0.943	0.918	0.905	0.833	1.009	14.16
32)		Benzoic acid		0.122	0.161	0.200	0.216	0.222	0.233	0.192	21.97
33)		4-Chloroaniline	0.452	0.457	0.441	0.389	0.380	0.376	0.358	0.408	10.10
34)	C	Hexachlorobuta...	0.189	0.184	0.184	0.163	0.160	0.161	0.154	0.171	8.45
35)		Caprolactam	0.078	0.087	0.090	0.085	0.086	0.090	0.096	0.088	6.44
36)	C	4-Chloro-3-met...	0.296	0.307	0.301	0.275	0.277	0.277	0.270	0.286	5.24
37)		2-Methylnaphth...	0.767	0.756	0.706	0.599	0.592	0.589	0.540	0.650	14.04
38)		1-Methylnaphth...	0.744	0.735	0.690	0.585	0.571	0.569	0.527	0.632	14.08

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.590	0.588	0.562	0.487	0.489	0.481	0.453	0.522	10.86
41)	P	Hexachlorocycl...	0.236	0.266	0.288	0.277	0.285	0.280	0.276	0.273	6.47
42)	S	2,4,6-Tribromo...	0.177	0.182	0.189	0.179	0.182	0.184	0.181	0.182	2.21
43)	C	2,4,6-Trichlor...	0.356	0.390	0.410	0.365	0.370	0.363	0.353	0.372	5.46
44)		2,4,5-Trichlor...	0.393	0.431	0.435	0.393	0.396	0.401	0.377	0.403	5.29
45)	S	2-Fluorobiphenyl	1.511	1.487	1.331	1.071	1.066	1.037	0.942	1.206	19.24
46)		1,1'-Biphenyl	1.705	1.714	1.607	1.339	1.333	1.300	1.173	1.453	14.98
47)		2-Chloronaphth...	1.341	1.341	1.274	1.083	1.081	1.070	0.961	1.164	13.03
48)		2-Nitroaniline	0.188	0.259	0.307	0.305	0.316	0.320	0.313	0.287	16.82
49)		Acenaphthylene	2.024	2.080	1.961	1.651	1.631	1.600	1.429	1.768	14.14
50)		Dimethylphthalate	1.512	1.494	1.453	1.271	1.278	1.298	1.230	1.362	8.74
51)		2,6-Dinitrotol...	0.214	0.254	0.289	0.271	0.280	0.283	0.269	0.266	9.61
52)	C	Acenaphthene	1.264	1.273	1.199	1.043	1.037	1.032	0.951	1.114	11.52
53)		3-Nitroaniline	0.250	0.301	0.326	0.304	0.321	0.328	0.305	0.305	8.71
54)	P	2,4-Dinitrophenol		0.053	0.079	0.098	0.110	0.116	0.123	0.097	27.29
55)		Dibenzofuran	1.886	1.881	1.756	1.485	1.452	1.445	1.262	1.595	15.32
56)	P	4-Nitrophenol	0.180	0.222	0.251	0.239	0.250	0.260	0.243	0.235	11.50
57)		2,4-Dinitrotol...	0.222	0.285	0.342	0.326	0.332	0.337	0.296	0.306	13.90
58)		Fluorene	1.498	1.471	1.340	1.089	1.077	1.074	0.948	1.214	18.01
59)		2,3,4,6-Tetrac...	0.315	0.341	0.334	0.305	0.302	0.311	0.287	0.313	5.95
60)		Diethylphthalate	1.447	1.446	1.442	1.253	1.247	1.260	1.130	1.318	9.62
61)		4-Chlorophenyl...	0.660	0.637	0.582	0.483	0.479	0.480	0.436	0.537	16.47
62)		4-Nitroaniline	0.245	0.288	0.313	0.303	0.310	0.319	0.298	0.296	8.42
63)		Azobenzene	1.469	1.468	1.425	1.220	1.211	1.217	1.073	1.298	11.98
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.052	0.074	0.087	0.094	0.098	0.100	0.084	21.57
66)	c	n-Nitrosodiphe...	0.767	0.760	0.717	0.623	0.623	0.616	0.574	0.669	11.62
67)		4-Bromophenyl-...	0.250	0.241	0.234	0.210	0.210	0.208	0.203	0.222	8.51
68)		Hexachlorobenzene	0.267	0.268	0.255	0.231	0.225	0.229	0.221	0.242	8.42
69)		Atrazine	0.207	0.204	0.203	0.183	0.177	0.179	0.171	0.189	7.86
70)	C	Pentachlorophenol	0.116	0.130	0.144	0.139	0.140	0.141	0.138	0.136	7.05
71)		Phenanthrene	1.309	1.279	1.183	0.986	0.977	0.973	0.884	1.085	15.60
72)		Anthracene	1.254	1.256	1.155	0.981	0.970	0.967	0.879	1.066	14.35
73)		Carbazole	1.142	1.156	1.069	0.910	0.896	0.902	0.807	0.983	13.97
74)		Di-n-butylphth...	1.297	1.302	1.334	1.130	1.099	1.135	1.002	1.186	10.61
75)	C	Fluoranthene	1.286	1.272	1.177	0.979	0.966	0.971	0.878	1.076	15.39
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.690	0.601	0.605	0.544	0.517	0.424	0.399	0.540	19.15
78)		Pyrene	1.806	1.844	1.853	1.747	1.781	1.776	1.751	1.794	2.35
79)	S	Terphenyl-d14	1.217	1.199	1.190	1.112	1.138	1.135	1.081	1.153	4.32
80)		Butylbenzylpht...	0.518	0.616	0.752	0.755	0.776	0.800	0.778	0.714	14.78
81)		Benzo(a)anthra...	1.474	1.508	1.453	1.291	1.309	1.320	1.239	1.371	7.67
82)		3,3'-Dichlorob...	0.409	0.452	0.475	0.423	0.416	0.418	0.398	0.427	6.27
83)		Chrysene	1.449	1.462	1.440	1.271	1.297	1.300	1.240	1.351	7.03
84)		Bis(2-ethylhex...	0.792	0.855	0.981	0.906	0.894	0.927	0.854	0.887	6.82
85)	c	Di-n-octyl pht...	1.108	1.218	1.537	1.457	1.458	1.548	1.481	1.401	12.10

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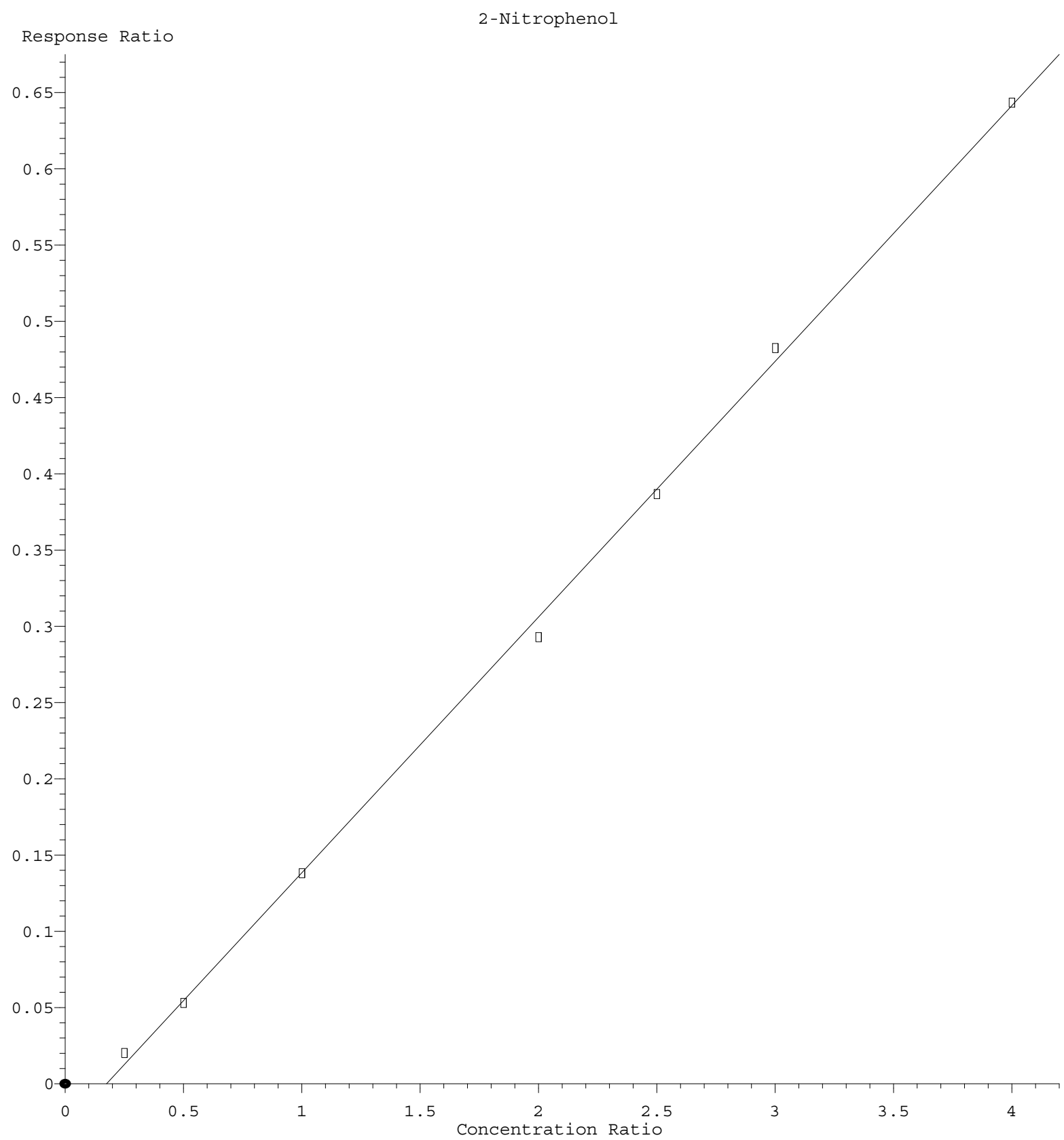
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.155	1.189	1.335	1.354	1.376	1.389	1.438	1.319	8.02
88)		Benzo(b)fluora...	1.454	1.454	1.485	1.221	1.231	1.250	1.241	1.334	9.21
89)		Benzo(k)fluora...	1.342	1.427	1.328	1.269	1.283	1.258	1.122	1.290	7.28
90)	C	Benzo(a)pyrene	1.061	1.109	1.115	1.029	1.050	1.047	1.008	1.060	3.74
91)		Dibenzo(a,h)an...	0.940	0.987	1.097	1.114	1.131	1.140	1.147	1.080	7.61
92)		Benzo(g,h,i)pe...	0.904	0.963	1.068	1.115	1.151	1.161	1.198	1.080	10.11

(#) = Out of Range



Response = 1.677e-001 * Amt - 2.935e-002
Coef of Det (r^2) = 0.999000 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF083122.M
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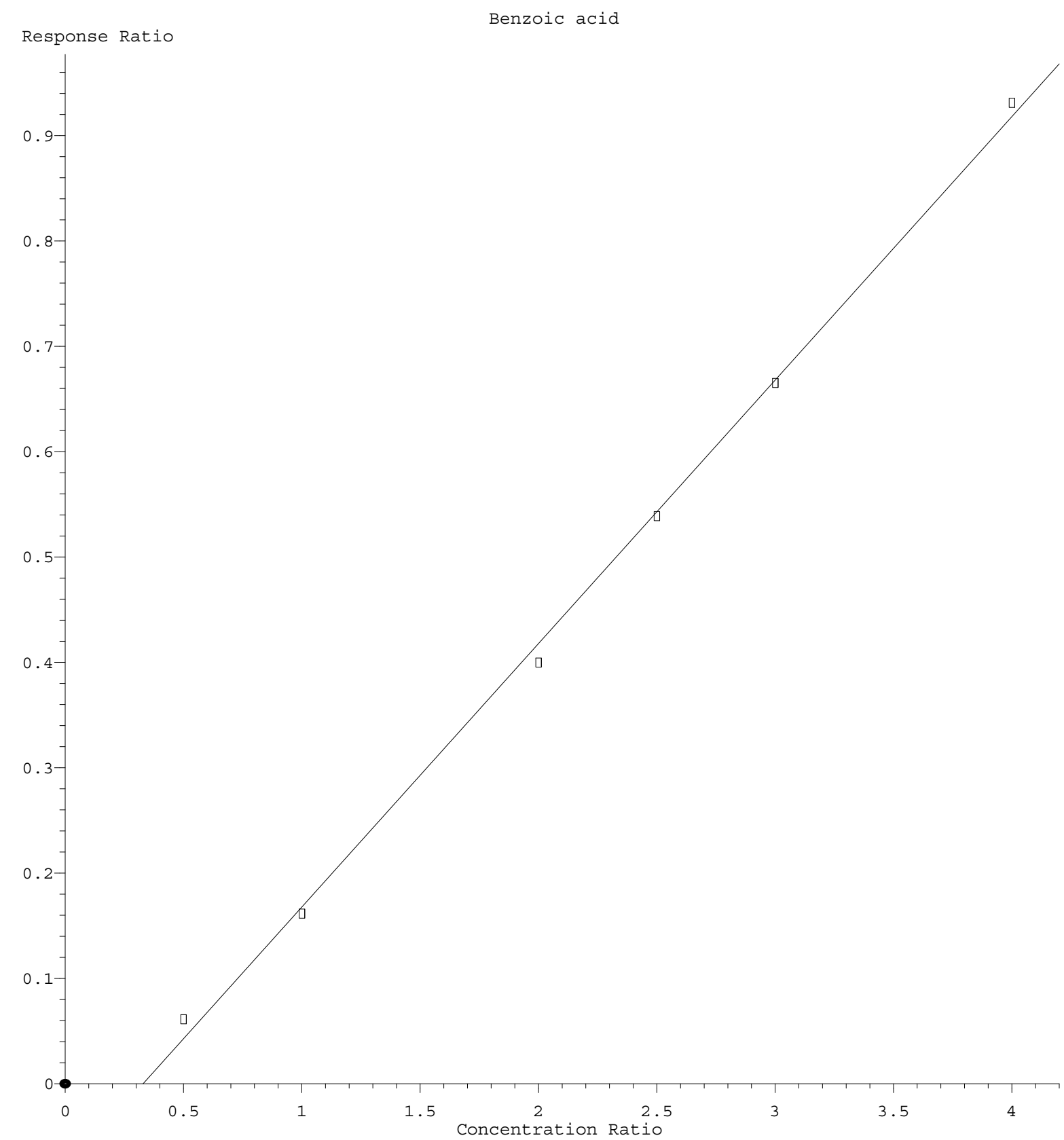

Response = 2.500e-001 * Amt - 8.216e-002
Coef of Det (r^2) = 0.998272 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF083122.M
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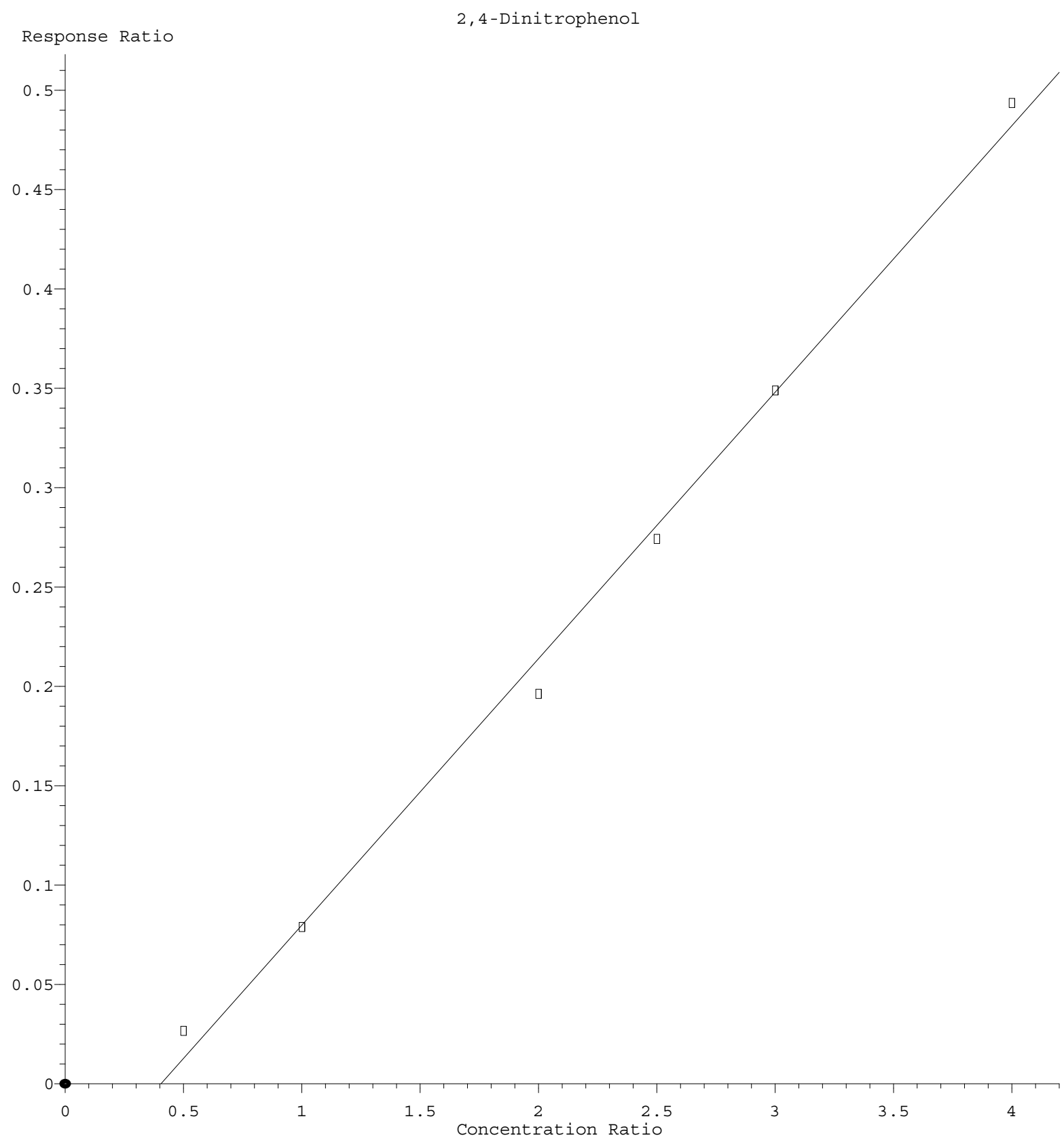

Response = 1.341e-001 * Amt - 5.428e-002
Coef of Det (r^2) = 0.995453 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF083122.M
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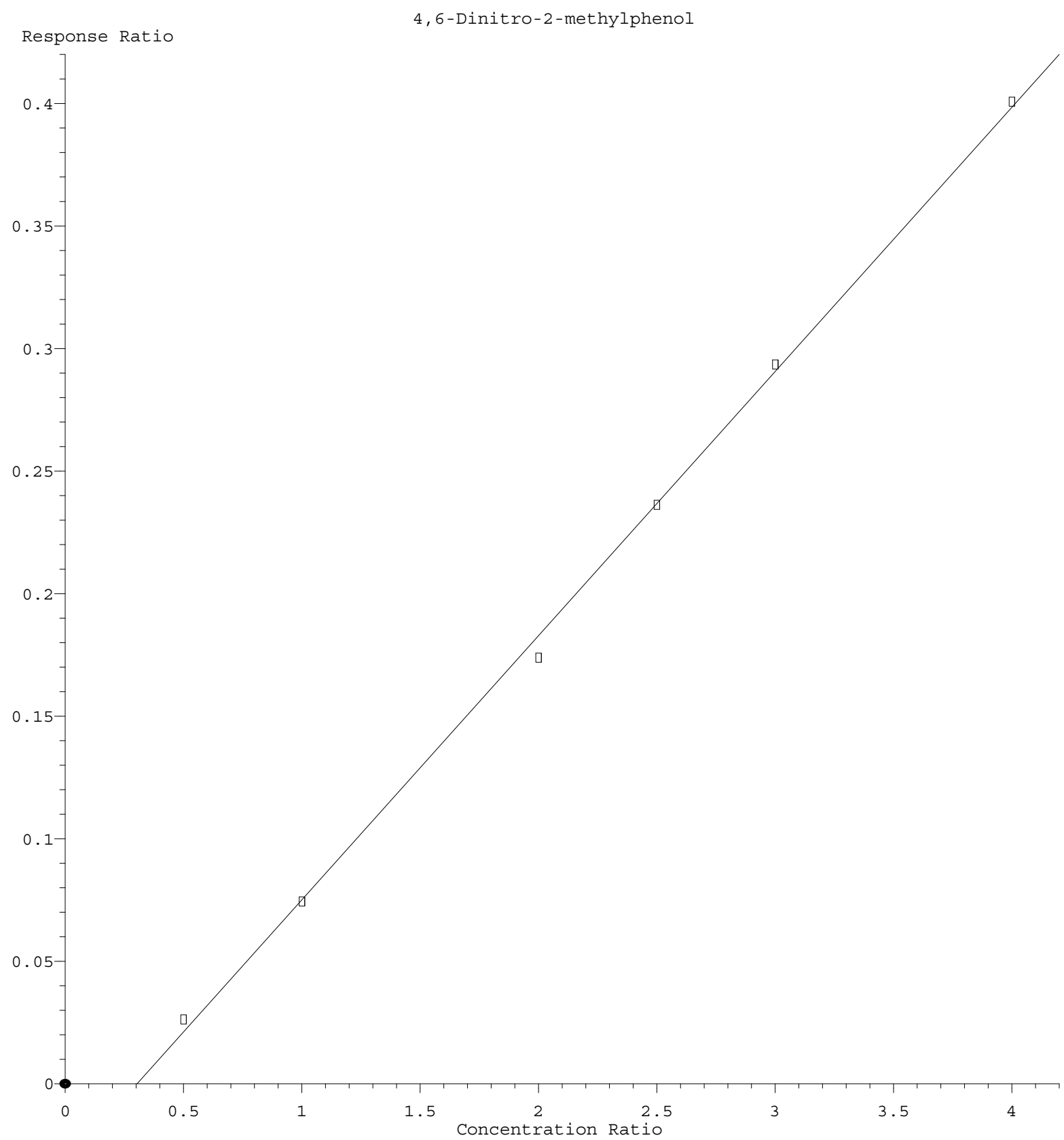

Response = 1.078e-001 * Amt - 3.278e-002
Coef of Det (r^2) = 0.998759 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF083122.M
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