Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 27 04:49:27 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BM037233.D 5 =BM037234.D 10 =BM037235.D 20 =BM037236.D 40 =BM037237.D 50 =BM037238.D 60 =BM037239.D 80 =BM0372
40.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.456	0.425	0.432	0.405	0.364	0.372	0.345	0.400	10.16
3)		Pyridine		1.169	1.163	1.228	1.241	1.120	1.161	1.117	1.171	4.08
4)		n-Nitrosodimet...		0.509	0.497	0.514	0.507	0.474	0.478	0.449	0.490	4.79
5)	S	2-Fluorophenol	1.012	0.976	0.963	1.009	1.007	0.939	0.971	0.927	0.976	3.32
6)		Aniline		1.612	1.556	1.717	1.793	1.675	1.728	1.696	1.682	4.65
7)	S	Phenol-d6	1.351	1.291	1.279	1.391	1.415	1.334	1.381	1.360	1.350	3.51
8)		2-Chlorophenol		1.243	1.223	1.333	1.350	1.277	1.321	1.281	1.290	3.66
9)		Benzaldehyde			0.877	0.866	0.721	0.701	0.685	0.619	0.745	13.97
10)	C	Phenol		1.450	1.415	1.533	1.580	1.485	1.540	1.528	1.504	3.80
11)		bis(2-Chloroet...		1.244	1.168	1.239	1.276	1.205	1.231	1.192	1.222	2.97
12)		1,3-Dichlorobe...		1.455	1.413	1.497	1.494	1.403	1.447	1.389	1.443	3.00
13)	C	1,4-Dichlorobe...		1.527	1.454	1.529	1.538	1.459	1.489	1.431	1.490	2.88
14)		1,2-Dichlorobe...		1.466	1.403	1.506	1.487	1.403	1.436	1.388	1.441	3.20
15)		Benzyl Alcohol		0.912	0.912	1.033	1.100	1.042	1.080	1.064	1.020	7.58
16)		2,2'-oxybis(1-...		1.679	1.583	1.697	1.666	1.546	1.577	1.484	1.605	4.90
17)		2-Methylphenol		1.002	0.975	1.084	1.110	1.051	1.069	1.051	1.049	4.43
18)		Hexachloroethane		0.502	0.503	0.537	0.540	0.505	0.523	0.504	0.516	3.26
19)	P	n-Nitroso-di-n...	0.993	0.926	0.913	1.006	1.054	0.979	0.997	0.945	0.977	4.75
20)		3+4-Methylphenols		1.361	1.332	1.490	1.540	1.460	1.490	1.460	1.448	5.14
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.436	0.433	0.473	0.494	0.474	0.488	0.477	0.468	5.11
23)	S	Nitrobenzene-d5	0.330	0.322	0.326	0.363	0.379	0.357	0.368	0.359	0.350	6.07
24)		Nitrobenzene		0.336	0.333	0.368	0.381	0.359	0.369	0.362	0.358	4.93
25)		Isophorone		0.551	0.547	0.604	0.658	0.621	0.646	0.635	0.609	7.30
26)	C	2-Nitrophenol		0.127	0.137	0.158	0.179	0.174	0.185	0.186	0.164	14.52
27)		2,4-Dimethylph...		0.226	0.226	0.251	0.269	0.252	0.262	0.262	0.250	6.97
28)		bis(2-Chloroet...		0.359	0.349	0.368	0.386	0.364	0.375	0.370	0.367	3.20
29)	C	2,4-Dichloroph...		0.263	0.273	0.310	0.330	0.315	0.329	0.330	0.307	9.19
30)		1,2,4-Trichlor...		0.328	0.322	0.341	0.357	0.340	0.357	0.353	0.343	4.12
31)		Naphthalene		1.045	1.016	1.080	1.116	1.053	1.090	1.072	1.068	3.05
32)		Benzoic acid			0.122	0.167	0.216	0.220	0.234	0.240	0.200	23.10
33)		4-Chloroaniline		0.378	0.387	0.420	0.451	0.425	0.438	0.436	0.419	6.46
34)	C	Hexachlorobuta...		0.206	0.203	0.217	0.225	0.216	0.226	0.222	0.216	4.10
35)		Caprolactam			0.070	0.085	0.099	0.093	0.100	0.100	0.091	12.85
36)	C	4-Chloro-3-met...		0.263	0.267	0.293	0.324	0.304	0.319	0.314	0.298	8.22
37)		2-Methylnaphth...		0.702	0.677	0.728	0.774	0.730	0.770	0.753	0.733	4.85
38)		1-Methylnaphth...		0.690	0.669	0.713	0.758	0.721	0.753	0.736	0.720	4.51

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39)	I	Acenaphthene-d10	----------ISTD----------									
40)		1,2,4,5-Tetrac...		0.569	0.573	0.622	0.643	0.616	0.648	0.637	0.615	5.25
41)	P	Hexachlorocycl...			0.242	0.291	0.329	0.315	0.341	0.334	0.309	12.01
42)	S	2,4,6-Tribromo...	0.206	0.212	0.216	0.248	0.280	0.266	0.283	0.273	0.248	13.10
43)	C	2,4,6-Trichlor...		0.344	0.359	0.409	0.444	0.419	0.446	0.436	0.408	10.09
44)		2,4,5-Trichlor...		0.400	0.398	0.450	0.486	0.461	0.487	0.484	0.452	8.65
45)	S	2-Fluorobiphenyl	1.422	1.363	1.346	1.443	1.496	1.418	1.468	1.372	1.416	3.72
46)		1,1'-Biphenyl		1.418	1.395	1.498	1.540	1.459	1.524	1.471	1.472	3.63
47)		2-Chloronaphth...		1.103	1.102	1.183	1.223	1.158	1.221	1.184	1.168	4.27
48)		2-Nitroaniline		0.241	0.256	0.308	0.345	0.326	0.342	0.332	0.307	13.69
49)		Acenaphthylene		1.667	1.700	1.851	1.960	1.845	1.932	1.868	1.832	6.02
50)		Dimethylphthalate		1.376	1.330	1.460	1.567	1.453	1.535	1.495	1.459	5.76
51)		2,6-Dinitrotol...		0.254	0.258	0.306	0.333	0.312	0.331	0.330	0.303	11.15
52)	C	Acenaphthene		1.093	1.060	1.133	1.192	1.112	1.171	1.134	1.128	3.99
53)		3-Nitroaniline		0.248	0.272	0.325	0.367	0.346	0.366	0.364	0.327	14.85
54)	P	2,4-Dinitrophenol			0.120	0.158	0.198	0.191	0.210	0.213	0.182	19.79
55)		Dibenzofuran		1.746	1.716	1.820	1.907	1.782	1.871	1.806	1.807	3.70
56)	P	4-Nitrophenol			0.206	0.258	0.295	0.274	0.292	0.291	0.270	12.60
57)		2,4-Dinitrotol...		0.309	0.333	0.400	0.455	0.429	0.456	0.455	0.405	15.13
58)		Fluorene		1.388	1.359	1.490	1.597	1.487	1.542	1.448	1.473	5.64
59)		2,3,4,6-Tetrac...		0.368	0.365	0.410	0.450	0.412	0.437	0.422	0.409	7.91
60)		Diethylphthalate		1.335	1.306	1.428	1.529	1.433	1.500	1.454	1.427	5.70
61)		4-Chlorophenyl...		0.691	0.681	0.734	0.788	0.743	0.769	0.727	0.733	5.27
62)		4-Nitroaniline		0.242	0.272	0.339	0.383	0.360	0.384	0.378	0.337	17.06
63)		Azobenzene		1.154	1.183	1.322	1.405	1.304	1.344	1.262	1.282	6.94
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.087	0.110	0.132	0.129	0.138	0.139	0.123	16.69
66)	c	n-Nitrosodiphe...		0.542	0.547	0.593	0.627	0.598	0.624	0.602	0.591	5.76
67)		4-Bromophenyl-...		0.191	0.193	0.213	0.229	0.218	0.229	0.228	0.214	7.59
68)		Hexachlorobenzene		0.239	0.235	0.256	0.273	0.264	0.277	0.273	0.260	6.59
69)		Atrazine		0.163	0.164	0.181	0.200	0.174	0.176	0.160	0.174	7.96
70)	C	Pentachlorophenol		0.121	0.128	0.153	0.173	0.166	0.174	0.171	0.155	14.29
71)		Phenanthrene		1.076	1.039	1.115	1.175	1.112	1.166	1.117	1.114	4.26
72)		Anthracene		0.967	0.976	1.065	1.143	1.077	1.128	1.094	1.064	6.49
73)		Carbazole		0.876	0.869	0.979	1.050	0.981	1.026	1.006	0.970	7.28
74)		Di-n-butylphth...		0.931	0.966	1.115	1.231	1.178	1.247	1.219	1.127	11.52
75)	C	Fluoranthene		1.159	1.148	1.283	1.390	1.307	1.379	1.338	1.286	7.63
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine		0.338	0.366	0.294	0.343	0.239	0.284	0.209	0.296	19.45
78)		Pyrene		1.182	1.224	1.322	1.390	1.366	1.417	1.344	1.321	6.57
79)	S	Terphenyl-d14	0.920	0.903	0.930	1.029	1.067	1.030	1.026	0.915	0.978	6.81
80)		Butylbenzylpht...		0.364	0.395	0.471	0.517	0.509	0.537	0.537	0.476	14.73
81)		Benzo(a)anthra...		1.217	1.209	1.310	1.370	1.295	1.336	1.311	1.293	4.61
82)		3,3'-Dichlorob...		0.331	0.352	0.397	0.418	0.385	0.394	0.381	0.380	7.73
83)		Chrysene		1.188	1.174	1.260	1.310	1.245	1.268	1.236	1.240	3.78
84)		Bis(2-ethylhex...		0.529	0.562	0.675	0.761	0.733	0.772	0.763	0.685	14.77
85)	c	Di-n-octyl pht...		0.872	0.917	1.106	1.219	1.147	1.214	1.248	1.103	13.69

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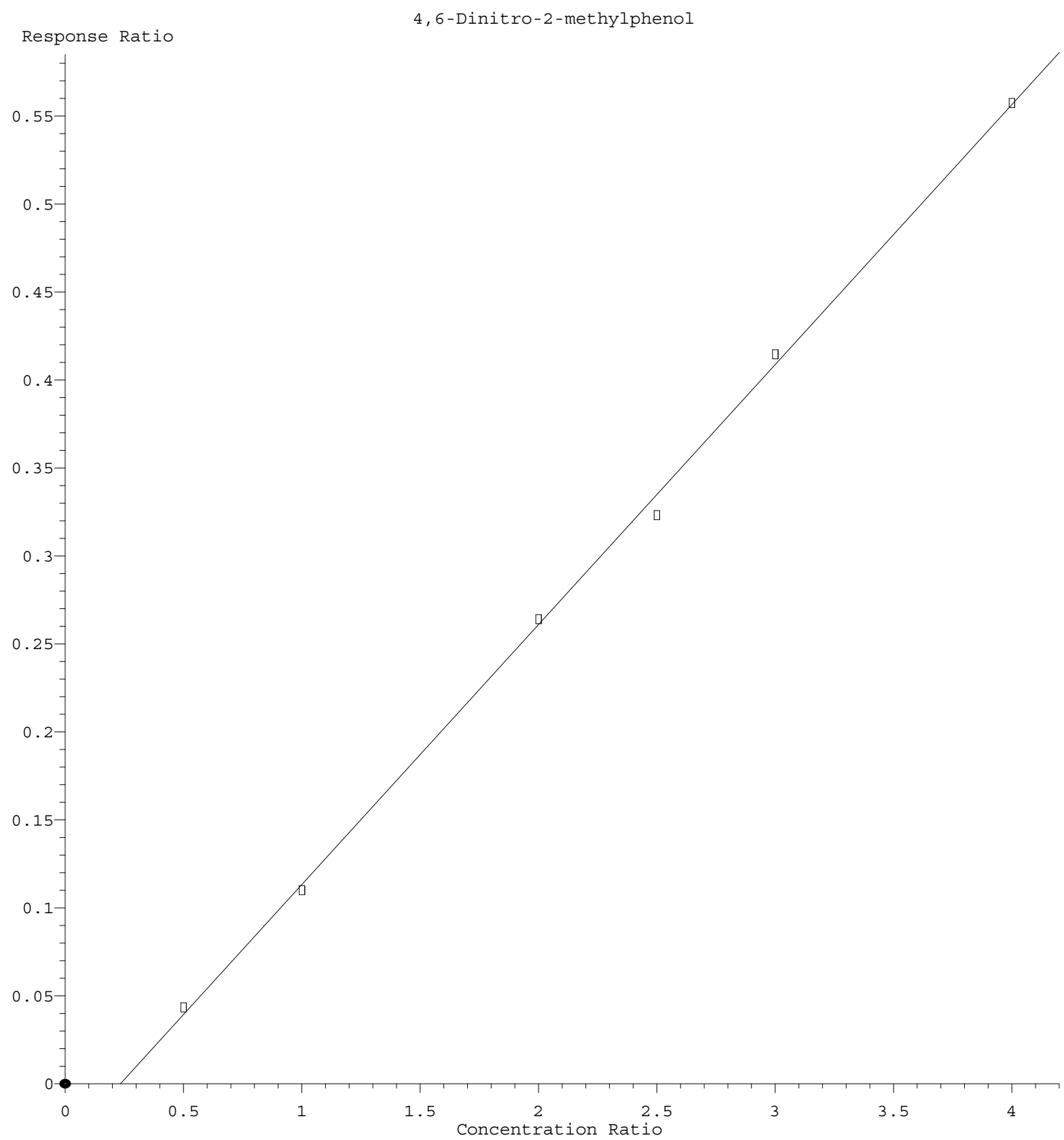
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.247	1.210	1.311	1.381	1.333	1.401	1.346	1.319	5.23
88)		Benzo(b)fluora...	1.138	1.129	1.288	1.380	1.305	1.359	1.348	1.278	8.11
89)		Benzo(k)fluora...	1.182	1.204	1.264	1.432	1.374	1.425	1.347	1.318	7.77
90)	C	Benzo(a)pyrene	0.922	0.923	1.026	1.101	1.051	1.111	1.088	1.032	7.77
91)		Dibenzo(a,h)an...	1.039	1.005	1.104	1.173	1.130	1.183	1.135	1.110	5.96
92)		Benzo(g,h,i)pe...	1.024	0.976	1.039	1.065	1.046	1.103	1.057	1.044	3.74

(#) = Out of Range



Response = 1.476e-001 * Amt - 3.448e-002
Coef of Det (r^2) = 0.998857 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102622.M
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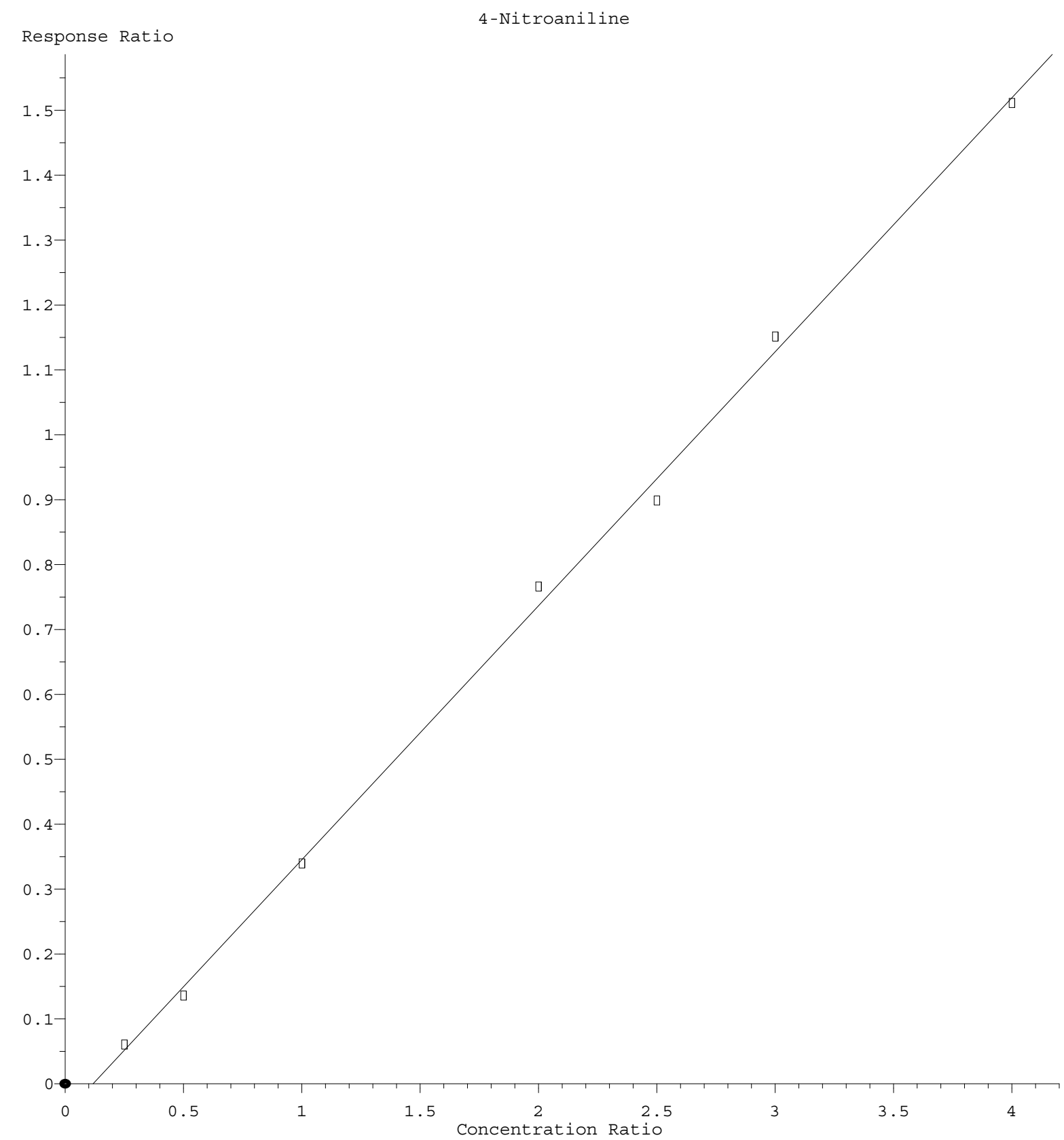

Response = 3.915e-001 * Amt - 4.631e-002
Coef of Det (r^2) = 0.998355 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102622.M
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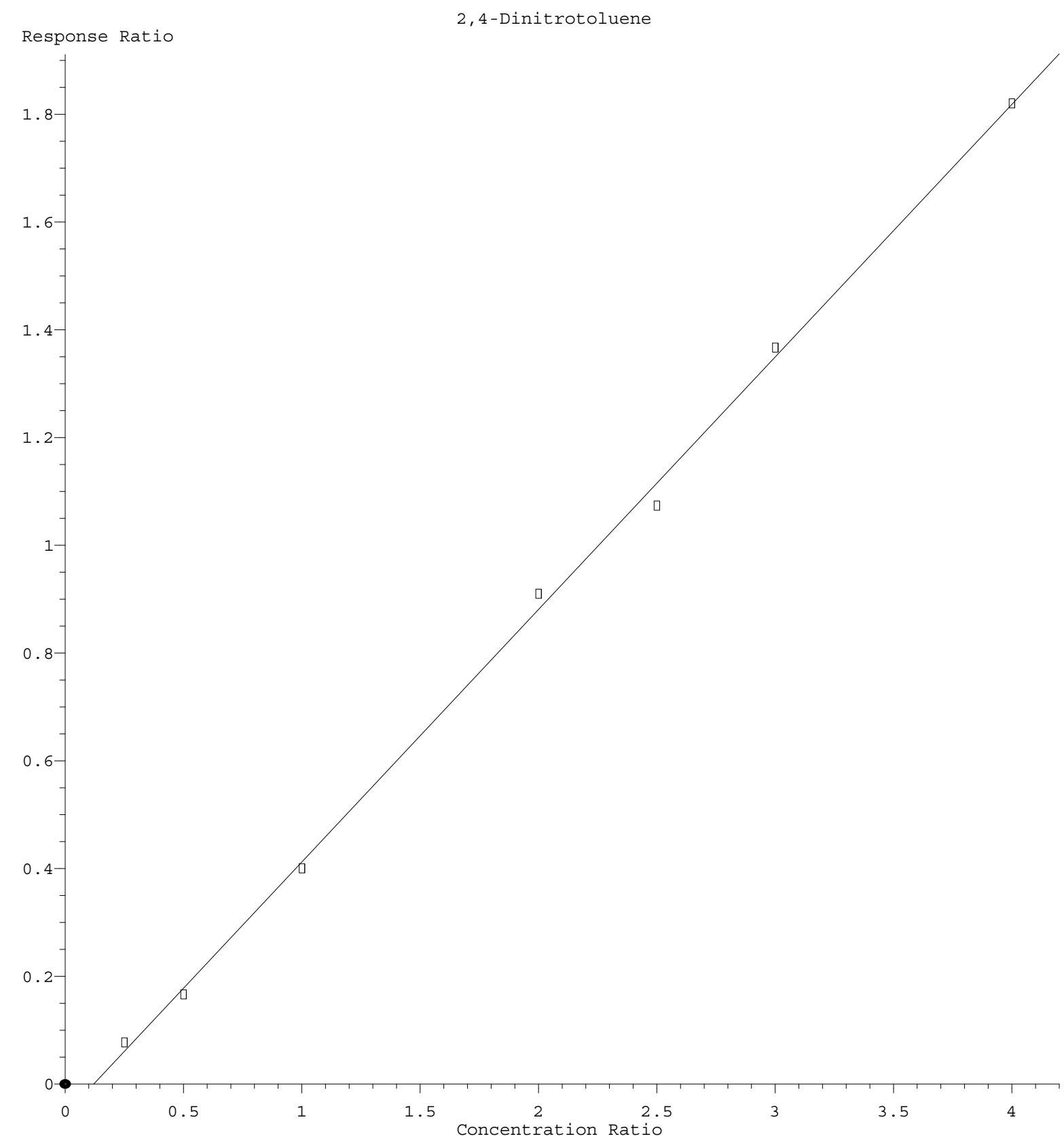
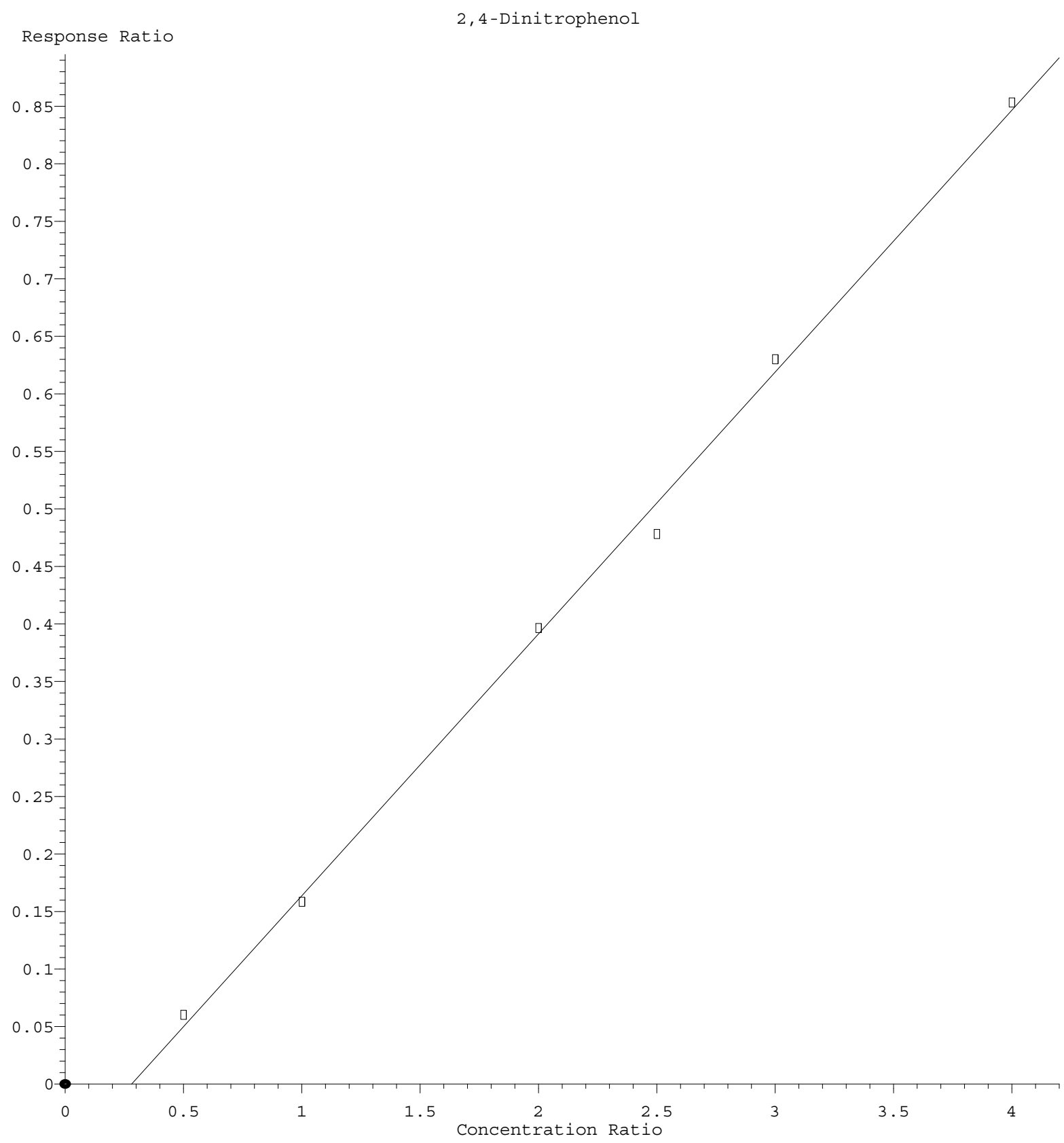
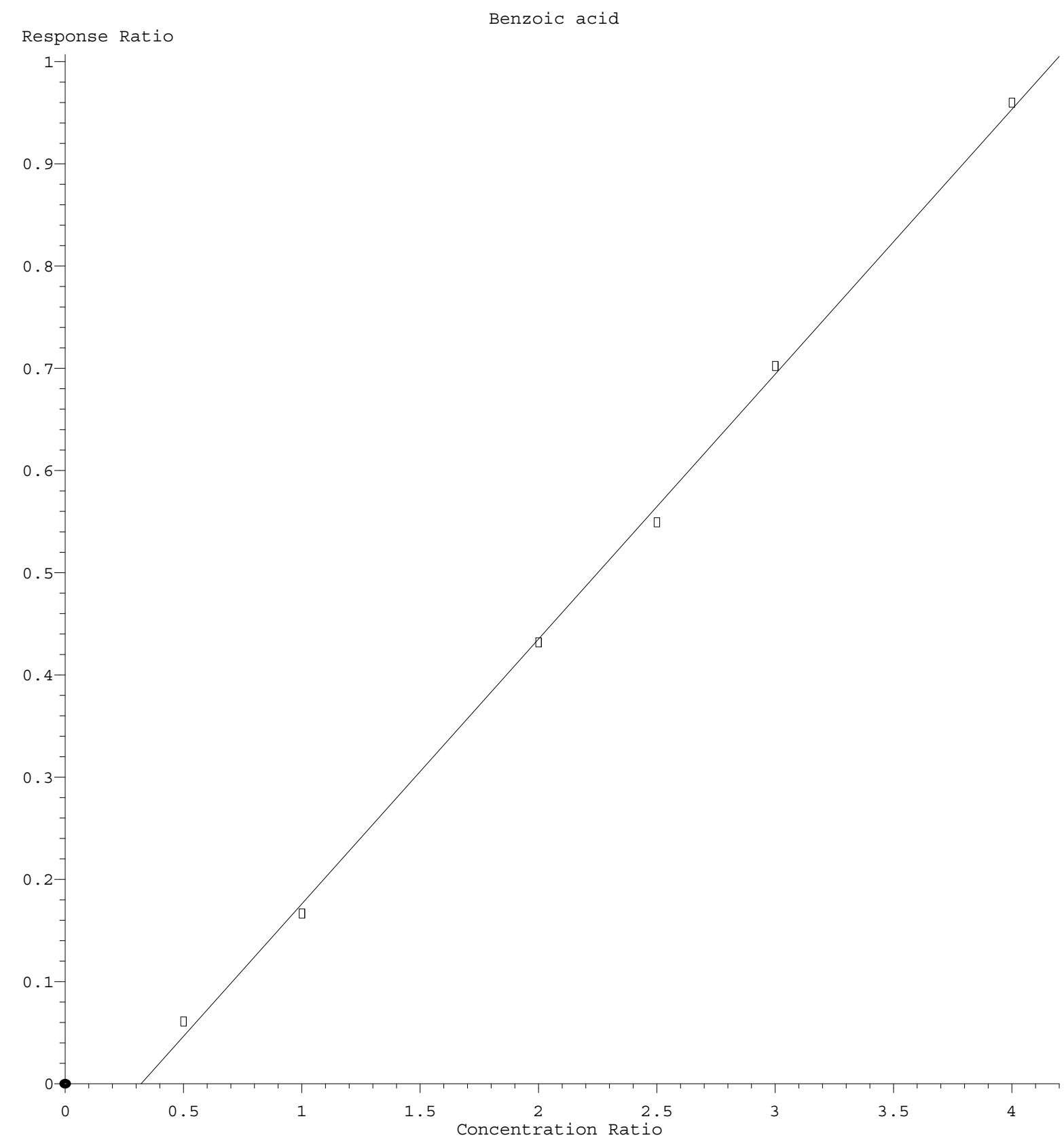


Response = 4.687e-001 * Amt - 5.657e-002
Coef of Det (r^2) = 0.998640 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102622.M
Calibration Table Last Updated: Thu Oct 27 04:49:27 2022



Response = 2.277e-001 * Amt - 6.400e-002
Coef of Det (r^2) = 0.997567 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102622.M
Calibration Table Last Updated: Thu Oct 27 04:49:27 2022



Response = 2.592e-001 * Amt - 8.320e-002
Coef of Det (r^2) = 0.998843 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102622.M
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