Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 15 08:14:53 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG059684.D 5 =BG059685.D 10 =BG059686.D 20 =BG059687.D 40 =BG059688.D 50 =BG059689.D 60 =BG059690.D 80 =BG0596
91.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		1.019	0.500	0.506	0.425	0.402	0.409	0.407	0.524	42.47
3)		Pyridine		2.675	1.392	1.593	1.410	1.385	1.342	1.405	1.600	30.02
4)		n-Nitrosodimet...			0.515	0.696	0.586	0.618	0.645	0.658	0.620	10.24
5)	S	2-Fluorophenol		1.192	1.060	1.268	1.142	1.068	1.162	1.216	1.158	6.54
6)		Aniline		2.281	2.362	2.518	2.334	2.177	2.383	2.229	2.326	4.81
7)	S	Phenol-d6		1.625	1.679	1.882	1.839	1.668	1.847	1.716	1.751	5.87
8)		2-Chlorophenol		1.303	1.271	1.430	1.336	1.268	1.306	1.257	1.310	4.54
9)		Benzaldehyde		1.278	1.152	1.302	1.109	0.988	1.087	1.016	1.133	10.64
10)	C	Phenol		1.648	1.676	1.981	1.897	1.745	1.905	1.735	1.798	7.15
11)		bis(2-Chloroet...		1.225	1.187	1.229	1.149	1.032	1.197	1.069	1.155	6.65
12)		1,3-Dichlorobe...		1.422	1.430	1.521	1.412	1.372	1.498	1.427	1.440	3.56
13)	C	1,4-Dichlorobe...		1.696	1.442	1.603	1.458	1.401	1.523	1.457	1.512	6.91
14)		1,2-Dichlorobe...		1.482	1.361	1.410	1.375	1.323	1.468	1.341	1.394	4.42
15)		Benzyl Alcohol		1.713	1.708	1.979	1.878	1.888	1.974	1.909	1.864	6.02
16)		2,2'-oxybis(1-...		0.507	0.405	0.431	0.411	0.405	0.462	0.421	0.435	8.63
17)		2-Methylphenol		1.357	1.227	1.377	1.272	1.281	1.383	1.324	1.317	4.51
18)		Hexachloroethane		0.564	0.537	0.625	0.556	0.547	0.606	0.595	0.576	5.73
19)	P	n-Nitroso-di-n...	1.311	1.398	1.253	1.457	1.341	1.276	1.428	1.325	1.349	5.39
20)		3+4-Methylphenols		1.755	1.740	2.005	1.866	1.786	1.926	1.810	1.841	5.26
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.509	0.473	0.580	0.567	0.544	0.546	0.583	0.543	7.38
23)	S	Nitrobenzene-d5		0.358	0.395	0.499	0.485	0.472	0.497	0.549	0.465	14.15
24)		Nitrobenzene		0.354	0.371	0.466	0.450	0.432	0.458	0.489	0.431	11.66
25)		Isophorone		0.738	0.763	0.830	0.810	0.792	0.797	0.872	0.800	5.47
26)	C	2-Nitrophenol		0.127	0.150	0.173	0.172	0.173	0.184	0.191	0.167	12.99
27)		2,4-Dimethylph...		0.265	0.319	0.352	0.341	0.337	0.350	0.366	0.333	9.95
28)		bis(2-Chloroet...		0.292	0.315	0.343	0.337	0.336	0.341	0.360	0.332	6.69
29)	C	2,4-Dichloroph...		0.270	0.264	0.309	0.312	0.297	0.309	0.322	0.298	7.51
30)		1,2,4-Trichlor...		0.272	0.253	0.322	0.319	0.292	0.317	0.351	0.304	11.01
31)		Naphthalene		0.925	0.973	1.065	1.014	0.974	1.032	1.086	1.010	5.61
32)		Benzoic acid			0.185	0.208	0.221	0.224	0.253	0.250	0.223	11.51
33)		4-Chloroaniline		0.441	0.436	0.460	0.442	0.427	0.449	0.473	0.447	3.51
34)	C	Hexachlorobuta...		0.161	0.185	0.204	0.203	0.188	0.210	0.219	0.196	9.89
35)		Caprolactam		0.105	0.097	0.113	0.114	0.106	0.105	0.106	0.106	5.43
36)	C	4-Chloro-3-met...		0.414	0.355	0.412	0.414	0.385	0.398	0.431	0.401	6.25
37)		2-Methylnaphth...		0.805	0.834	0.902	0.859	0.776	0.841	0.887	0.843	5.23
38)		1-Methylnaphth...		0.687	0.755	0.843	0.820	0.733	0.778	0.806	0.775	6.97

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.468	0.518	0.557	0.591	0.520	0.559	0.601	0.545	8.49
41)	P	Hexachlorocycl...		0.273	0.356	0.384	0.341	0.356	0.380	0.348	11.56
42)	S	2,4,6-Tribromo...	0.230	0.208	0.219	0.232	0.210	0.229	0.251	0.226	6.61
43)	C	2,4,6-Trichlor...	0.338	0.334	0.384	0.423	0.385	0.389	0.408	0.380	8.74
44)		2,4,5-Trichlor...	0.368	0.372	0.455	0.486	0.440	0.446	0.480	0.435	10.92
45)	S	2-Fluorobiphenyl	1.262	1.351	1.555	1.651	1.395	1.514	1.655	1.483	10.23
46)		1,1'-Biphenyl	1.354	1.398	1.691	1.764	1.455	1.581	1.655	1.557	10.08
47)		2-Chloronaphth...	0.987	0.998	1.132	1.229	1.018	1.101	1.191	1.094	8.81
48)		2-Nitroaniline	0.330	0.309	0.374	0.398	0.371	0.387	0.434	0.372	11.20
49)		Acenaphthylene	1.696	1.719	1.872	1.967	1.763	1.861	2.053	1.847	7.13
50)		Dimethylphthalate	1.366	1.462	1.583	1.550	1.492	1.568	1.656	1.525	6.19
51)		2,6-Dinitrotol...	0.259	0.281	0.327	0.303	0.282	0.284	0.322	0.294	8.34
52)	C	Acenaphthene	1.037	1.041	1.093	1.191	1.088	1.133	1.172	1.108	5.46
53)		3-Nitroaniline	0.357	0.321	0.343	0.345	0.332	0.336	0.371	0.343	4.80
54)	P	2,4-Dinitrophenol	0.175	0.175	0.197	0.199	0.202	0.210	0.227	0.198	9.33
55)		Dibenzofuran	1.602	1.703	1.879	1.913	1.748	1.809	1.943	1.800	6.83
56)	P	4-Nitrophenol	0.249	0.253	0.250	0.265	0.258	0.264	0.284	0.260	4.67
57)		2,4-Dinitrotol...	0.434	0.373	0.431	0.446	0.418	0.438	0.486	0.432	7.85
58)		Fluorene	1.440	1.463	1.593	1.619	1.445	1.568	1.677	1.544	6.11
59)		2,3,4,6-Tetrac...	0.386	0.362	0.353	0.377	0.351	0.380	0.410	0.374	5.56
60)		Diethylphthalate	1.489	1.486	1.699	1.737	1.562	1.693	1.840	1.644	8.18
61)		4-Chlorophenyl...	0.769	0.652	0.812	0.846	0.742	0.823	0.890	0.791	9.87
62)		4-Nitroaniline	0.354	0.323	0.350	0.376	0.350	0.331	0.369	0.350	5.35
63)		Azobenzene	1.750	1.655	1.803	1.883	1.666	1.796	1.960	1.788	6.16
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.092	0.095	0.119	0.122	0.118	0.125	0.127	0.114	12.65
66)	c	n-Nitrosodiphe...	0.532	0.545	0.595	0.588	0.591	0.609	0.633	0.585	6.01
67)		4-Bromophenyl-...	0.193	0.184	0.216	0.216	0.209	0.222	0.233	0.210	8.08
68)		Hexachlorobenzene	0.178	0.182	0.199	0.197	0.204	0.205	0.217	0.197	6.97
69)		Atrazine	0.215	0.188	0.206	0.180	0.167	0.165	0.164	0.184	11.14
70)	C	Pentachlorophenol	0.128	0.125	0.143	0.160	0.149	0.153	0.165	0.146	10.31
71)		Phenanthrene	0.997	0.944	1.057	1.090	1.003	1.060	1.109	1.037	5.62
72)		Anthracene	1.034	0.980	1.104	1.131	1.024	1.064	1.135	1.067	5.50
73)		Carbazole	0.869	0.935	0.985	0.972	0.895	0.902	0.985	0.935	5.06
74)		Di-n-butylphth...	1.003	0.997	1.123	1.145	1.045	1.100	1.181	1.085	6.56
75)	C	Fluoranthene	1.163	1.135	1.256	1.235	1.164	1.192	1.313	1.208	5.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.393	0.366	0.348	0.344	0.254	0.315	0.346	0.338	13.03
78)		Pyrene	0.868	0.862	1.037	1.029	1.128	1.352	1.507	1.112	21.67
79)	S	Terphenyl-d14	1.051	0.799	0.963	0.974	1.060			0.969	10.79
80)		Butylbenzylpht...	0.470	0.454	0.588	0.537	0.475	0.556	0.628	0.530	12.41
81)		Benzo(a)anthra...	1.313	1.269	1.404	1.406	1.347	1.327	1.480	1.364	5.21
82)		3,3'-Dichlorob...	0.487	0.461	0.518	0.534	0.495	0.478	0.522	0.499	5.27
83)		Chrysene	1.198	1.142	1.280	1.277	1.224	1.584	1.363	1.296	11.21
84)		Bis(2-ethylhex...	0.693	0.742	0.844	0.825	0.818	0.771	0.872	0.795	7.86
85)	c	Di-n-octyl pht...	1.242	1.232	1.353	1.403	1.270			1.300	5.74

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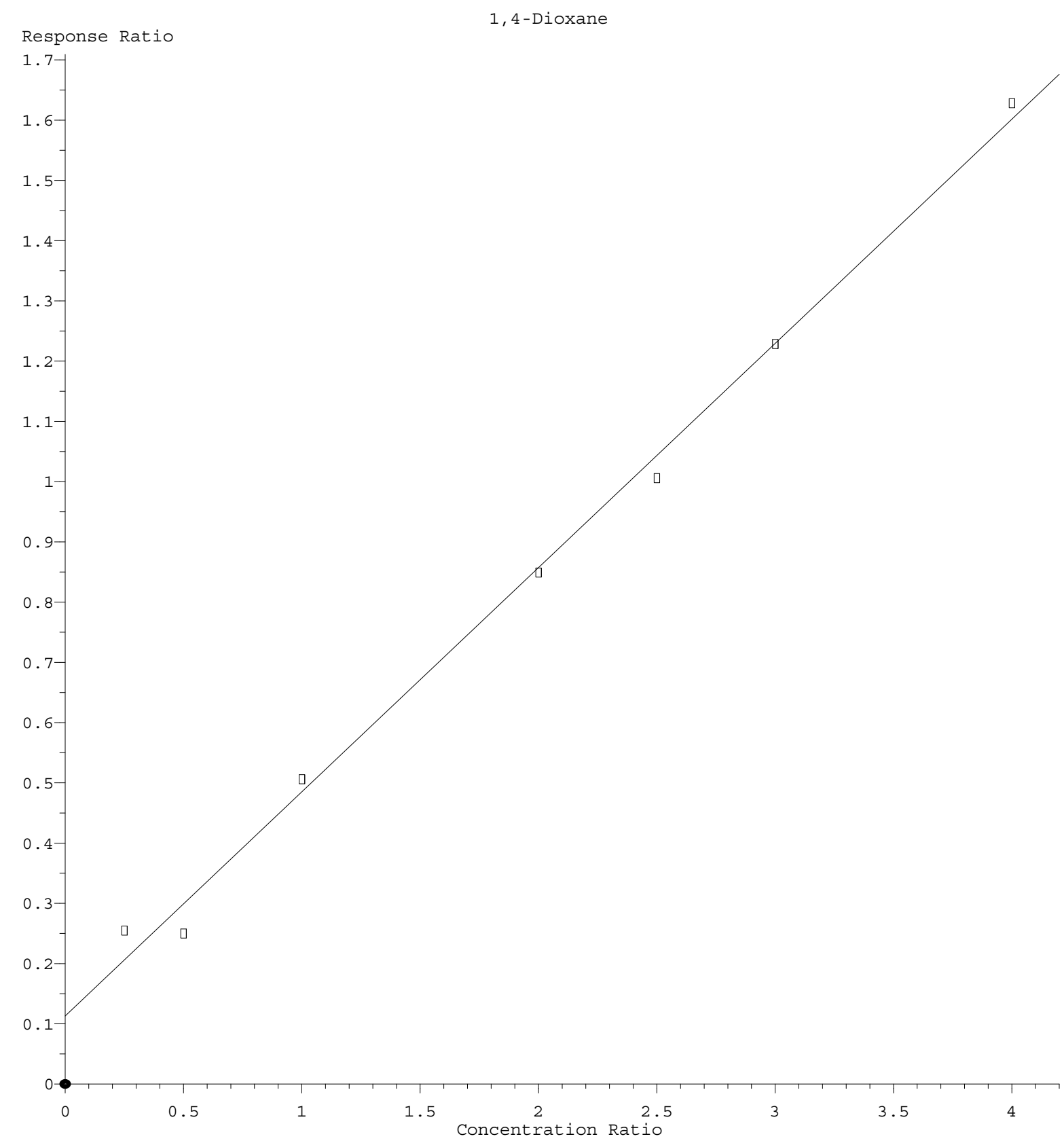
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.354	1.218	1.502	1.525	1.350	1.465	1.609	1.432	9.21
88)		Benzo(b)fluora...	1.086	1.068	1.229	1.280	1.217	1.241	1.376	1.214	8.84
89)		Benzo(k)fluora...	1.176	1.112	1.264	1.234	1.184	1.205	1.335	1.216	5.86
90)	C	Benzo(a)pyrene	1.158	1.051	1.176	1.211	1.149	1.177	1.290	1.173	6.11
91)		Dibenzo(a,h)an...	1.119	1.081	1.299	1.248	1.158	1.209	1.327	1.206	7.60
92)		Benzo(g,h,i)pe...	1.111	1.038	1.216	1.204	1.103	1.162	1.269	1.158	6.83

(#) = Out of Range



Response = 3.722e-001 * Amt + 1.128e-001
Coef of Det (r^2) = 0.995364 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG111423.M
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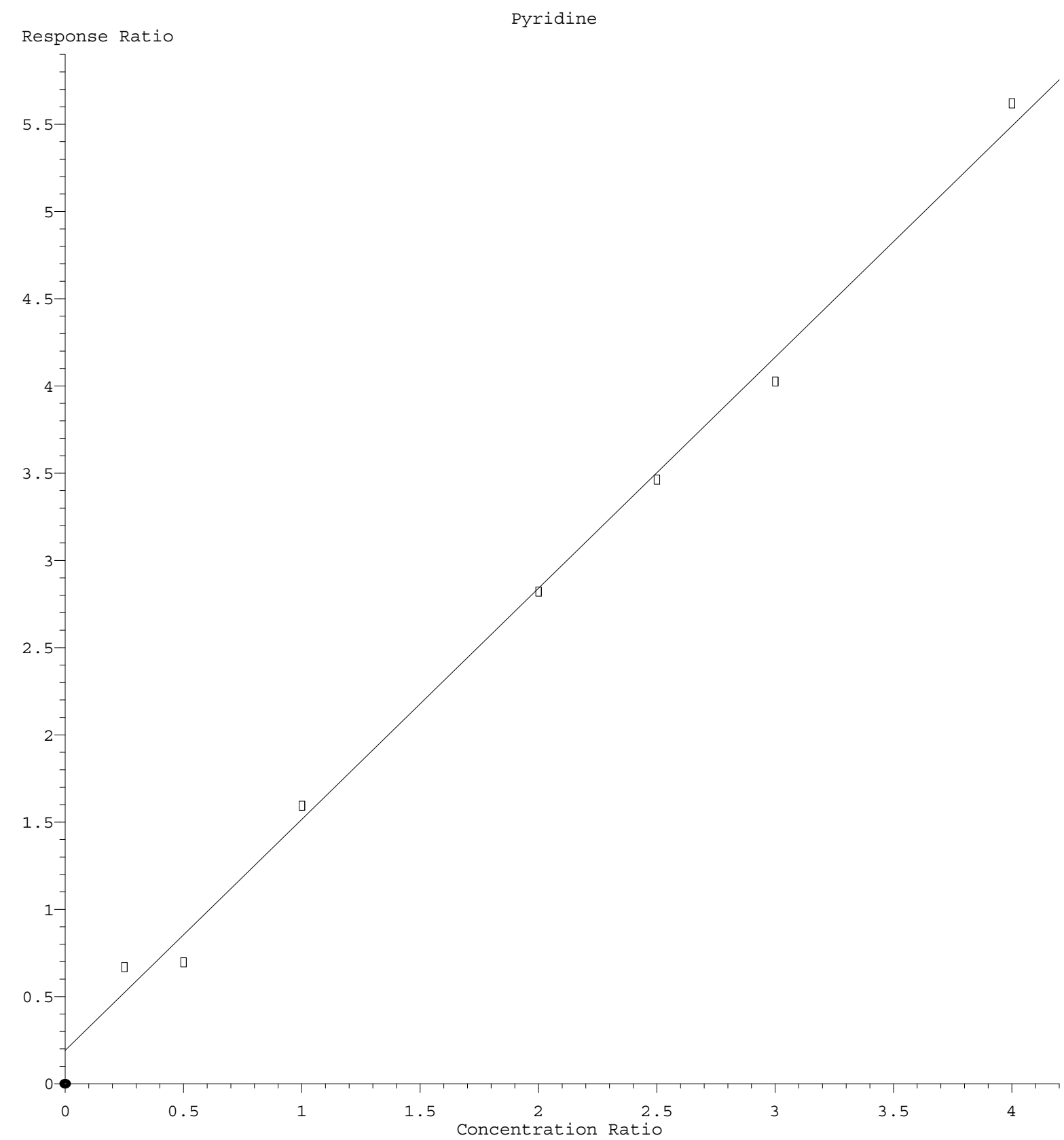

Response = 1.325e+000 * Amt + 1.905e-001
Coef of Det (r^2) = 0.995528 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG111423.M
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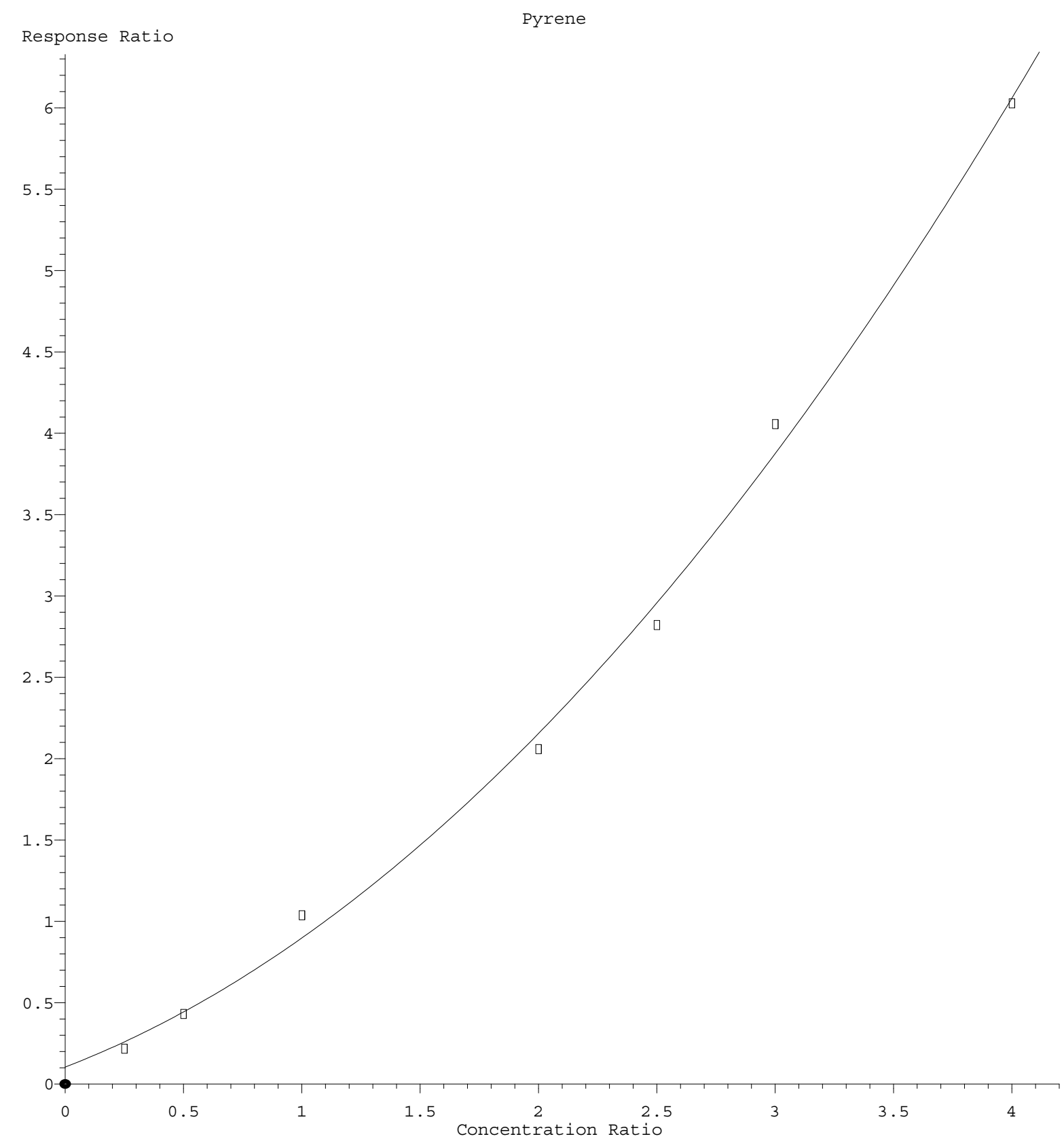

R = 2.317e-001 A*A + 5.620e-001 A + 1.041e-001
Coef of Det (r^2) = 0.996897 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG111423.M
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