Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 16 01:33:33 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG056633.D 5 =BG056634.D 10 =BG056635.D 20 =BG056636.D 40 =BG056637.D 50 =BG056638.D 60 =BG056639.D 80 =BG0566
40.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.579	0.511	0.597	0.525	0.545	0.516	0.497	0.539	6.90
3)		Pyridine		1.591	1.610	1.840	1.743	1.729	1.757	1.662	1.705	5.18
4)		n-Nitrosodimet...		0.732	0.759	0.893	0.786	0.801	0.807	0.783	0.795	6.32
5)	S	2-Fluorophenol		1.098	1.201	1.344	1.233	1.250	1.277	1.200	1.229	6.19
6)		Aniline		2.432	2.475	2.746	2.527	2.504	2.585	2.395	2.523	4.60
7)	S	Phenol-d6		1.714	1.731	1.906	1.825	1.851	1.894	1.790	1.816	4.13
8)		2-Chlorophenol		1.151	1.157	1.295	1.213	1.236	1.274	1.187	1.216	4.57
9)		Benzaldehyde		1.136	1.110	1.038	0.888	0.882	0.867	0.801	0.960	13.74
10)	C	Phenol		1.731	1.738	1.994	1.862	1.901	1.955	1.820	1.857	5.47
11)		bis(2-Chloroet...		1.404	1.417	1.488	1.386	1.379	1.382	1.300	1.394	4.02
12)		1,3-Dichlorobe...		1.501	1.441	1.538	1.458	1.405	1.442	1.358	1.449	4.09
13)	C	1,4-Dichlorobe...		1.478	1.472	1.582	1.431	1.446	1.454	1.351	1.459	4.70
14)		1,2-Dichlorobe...		1.446	1.399	1.465	1.398	1.392	1.409	1.309	1.403	3.53
15)		Benzyl Alcohol		1.433	1.568	1.723	1.633	1.678	1.747	1.600	1.626	6.57
16)		2,2'-oxybis(1-...		1.901	1.982	1.970	1.821	1.835	1.868	1.720	1.871	4.85
17)		2-Methylphenol		1.268	1.250	1.402	1.304	1.283	1.371	1.259	1.305	4.51
18)		Hexachloroethane		0.386	0.452	0.480	0.480	0.488	0.489	0.462	0.462	7.83
19)	P	n-Nitroso-di-n...	1.105	1.333	1.406	1.429	1.409	1.379	1.467	1.347	1.359	8.20
20)		3+4-Methylphenols		1.615	1.782	1.896	1.815	1.806	1.866	1.772	1.793	5.04
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.590	0.588	0.649	0.627	0.597	0.617	0.609	0.611	3.56
23)	S	Nitrobenzene-d5			0.298	0.364	0.408	0.409	0.427	0.437	0.391	13.21
24)		Nitrobenzene		0.288	0.334	0.409	0.457	0.444	0.465	0.467	0.409	17.37
25)		Isophorone		0.886	0.919	0.990	0.989	0.937	0.981	0.953	0.951	4.14
26)	C	2-Nitrophenol		0.133	0.138	0.161	0.174	0.163	0.179	0.177	0.161	11.57
27)		2,4-Dimethylph...		0.367	0.343	0.384	0.385	0.354	0.372	0.369	0.368	4.11
28)		bis(2-Chloroet...		0.452	0.492	0.497	0.509	0.475	0.492	0.475	0.484	3.86
29)	C	2,4-Dichloroph...		0.320	0.325	0.372	0.391	0.371	0.391	0.381	0.364	8.21
30)		1,2,4-Trichlor...		0.429	0.409	0.447	0.455	0.427	0.439	0.432	0.434	3.43
31)		Naphthalene		1.063	1.073	1.143	1.153	1.089	1.121	1.117	1.108	3.12
32)		Benzoic acid			0.185	0.211	0.250	0.246	0.270	0.260	0.237	13.64
33)		4-Chloroaniline		0.460	0.496	0.537	0.531	0.499	0.516	0.508	0.506	5.04
34)	C	Hexachlorobuta...		0.298	0.290	0.322	0.331	0.305	0.313	0.311	0.310	4.51
35)		Caprolactam		0.100	0.109	0.118	0.129	0.116	0.128	0.121	0.117	8.92
36)	C	4-Chloro-3-met...		0.332	0.367	0.412	0.442	0.406	0.431	0.422	0.402	9.68
37)		2-Methylnaphth...		0.859	0.840	0.917	0.919	0.837	0.888	0.867	0.875	3.86
38)		1-Methylnaphth...		0.790	0.802	0.830	0.855	0.788	0.835	0.816	0.817	3.04

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.673	0.718	0.772	0.758	0.760	0.769	0.754	0.743	4.80
41)	P	Hexachlorocycl...	0.336	0.360	0.406	0.409	0.437	0.433	0.443	0.403	10.14
42)	S	2,4,6-Tribromo...	0.214	0.245	0.284	0.301	0.281	0.300	0.291	0.274	11.81
43)	C	2,4,6-Trichlor...	0.355	0.377	0.460	0.487	0.486	0.500	0.492	0.451	13.25
44)		2,4,5-Trichlor...	0.447	0.463	0.564	0.564	0.575	0.590	0.583	0.541	10.99
45)	S	2-Fluorobiphenyl	1.423	1.436	1.587	1.513	1.514	1.510	1.472	1.494	3.71
46)		1,1'-Biphenyl	1.446	1.464	1.609	1.526	1.523	1.534	1.505	1.515	3.49
47)		2-Chloronaphth...	1.147	1.125	1.275	1.212	1.205	1.234	1.195	1.199	4.22
48)		2-Nitroaniline	0.170	0.205	0.266	0.314	0.332	0.370	0.374	0.290	27.49
49)		Acenaphthylene	1.865	1.861	2.088	1.970	1.962	1.972	1.918	1.948	3.99
50)		Dimethylphthalate	1.441	1.535	1.720	1.777	1.681	1.764	1.655	1.653	7.49
51)		2,6-Dinitrotol...	0.205	0.246	0.285	0.315	0.318	0.337	0.326	0.290	16.64
52)	C	Acenaphthene	1.117	1.148	1.250	1.241	1.200	1.246	1.209	1.202	4.30
53)		3-Nitroaniline	0.271	0.272	0.330	0.338	0.342	0.354	0.340	0.321	10.71
54)	P	2,4-Dinitrophenol	0.158	0.178	0.199	0.206	0.195	0.207	0.195	0.191	9.12
55)		Dibenzofuran	1.907	1.958	2.148	2.109	2.022	2.077	1.989	2.030	4.25
56)	P	4-Nitrophenol	0.194	0.213	0.262	0.269	0.261	0.268	0.254	0.246	12.14
57)		2,4-Dinitrotol...	0.335	0.332	0.391	0.436	0.424	0.456	0.448	0.403	12.90
58)		Fluorene	1.596	1.533	1.689	1.622	1.585	1.649	1.561	1.605	3.31
59)		2,3,4,6-Tetrac...	0.379	0.406	0.483	0.513	0.500	0.524	0.511	0.474	12.11
60)		Diethylphthalate	1.474	1.543	1.781	1.822	1.691	1.737	1.627	1.668	7.62
61)		4-Chlorophenyl...	0.930	0.917	1.020	1.023	0.988	1.020	0.966	0.981	4.52
62)		4-Nitroaniline	0.283	0.271	0.351	0.372	0.351	0.367	0.346	0.334	12.08
63)		Azobenzene	1.652	1.611	1.712	1.746	1.649	1.703	1.611	1.669	3.11
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.089	0.090	0.105	0.107	0.108	0.113	0.112	0.103	9.50
66)	c	n-Nitrosodiphe...	0.572	0.557	0.600	0.575	0.579	0.600	0.589	0.582	2.71
67)		4-Bromophenyl-...	0.240	0.248	0.272	0.261	0.249	0.264	0.264	0.257	4.41
68)		Hexachlorobenzene	0.250	0.244	0.273	0.265	0.259	0.272	0.269	0.262	4.33
69)		Atrazine	0.198	0.204	0.250	0.234	0.227	0.230	0.221	0.223	7.95
70)	C	Pentachlorophenol	0.136	0.143	0.177	0.186	0.186	0.196	0.188	0.173	13.65
71)		Phenanthrene	1.024	1.056	1.156	1.103	1.083	1.105	1.089	1.088	3.79
72)		Anthracene	1.072	1.090	1.189	1.117	1.102	1.119	1.106	1.113	3.31
73)		Carbazole	0.938	0.929	1.050	0.977	0.943	0.955	0.927	0.960	4.51
74)		Di-n-butylphth...	0.908	0.956	1.185	1.150	1.121	1.109	1.090	1.074	9.58
75)	C	Fluoranthene	1.411	1.372	1.587	1.464	1.419	1.415	1.382	1.436	5.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.444	0.442	0.495	0.481	0.499	0.484	0.504	0.478	5.34
78)		Pyrene	1.444	1.459	1.549	1.555	1.502	1.558	1.505	1.510	3.07
79)	S	Terphenyl-d14	1.168	1.173	1.268	1.241	1.228	1.258	1.219	1.222	3.20
80)		Butylbenzylpht...	0.355	0.372	0.449	0.485	0.497	0.514	0.504	0.454	14.36
81)		Benzo(a)anthra...	1.445	1.393	1.568	1.518	1.482	1.517	1.489	1.487	3.78
82)		3,3'-Dichlorob...	0.430	0.438	0.515	0.507	0.494	0.502	0.492	0.483	7.07
83)		Chrysene	1.334	1.321	1.436	1.430	1.390	1.433	1.389	1.390	3.42
84)		Bis(2-ethylhex...	0.542	0.582	0.681	0.726	0.734	0.746	0.747	0.680	12.39
85)	c	Di-n-octyl pht...	0.879	0.935	1.154	1.211	1.218	1.262	1.249	1.130	13.87

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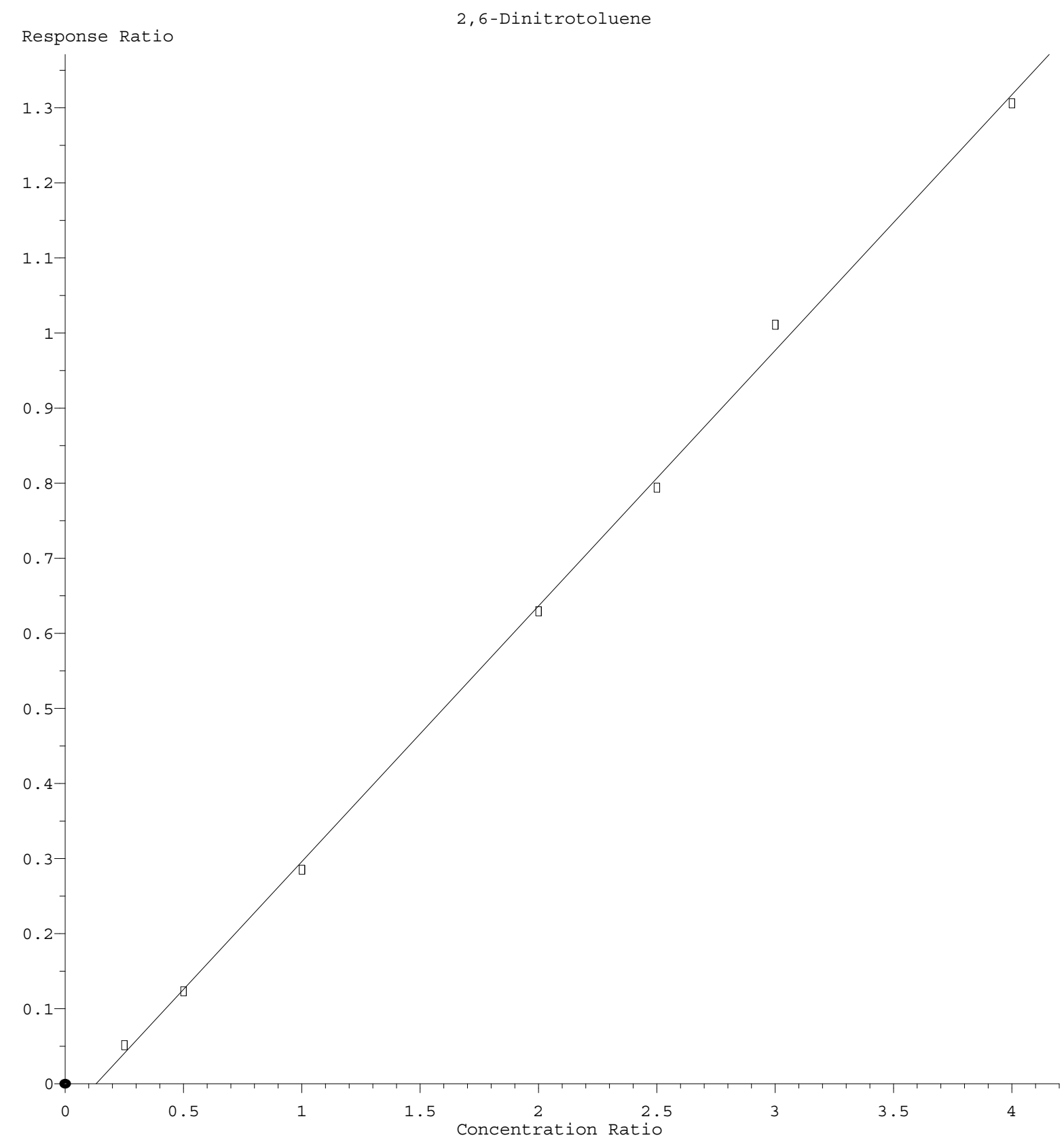
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.419	1.477	1.663	1.621	1.583	1.624	1.576	1.566	5.57
88)		Benzo(b)fluora...	1.202	1.275	1.376	1.325	1.322	1.342	1.305	1.307	4.28
89)		Benzo(k)fluora...	1.226	1.225	1.353	1.329	1.280	1.318	1.264	1.285	3.92
90)	C	Benzo(a)pyrene	1.149	1.191	1.338	1.294	1.263	1.303	1.254	1.256	5.24
91)		Dibenzo(a,h)an...	1.194	1.240	1.370	1.337	1.305	1.347	1.288	1.297	4.81
92)		Benzo(g,h,i)pe...	1.171	1.197	1.354	1.299	1.285	1.308	1.258	1.268	5.07

(#) = Out of Range



Response = 3.405e-001 * Amt - 4.463e-002
Coef of Det (r^2) = 0.998690 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG021523.M
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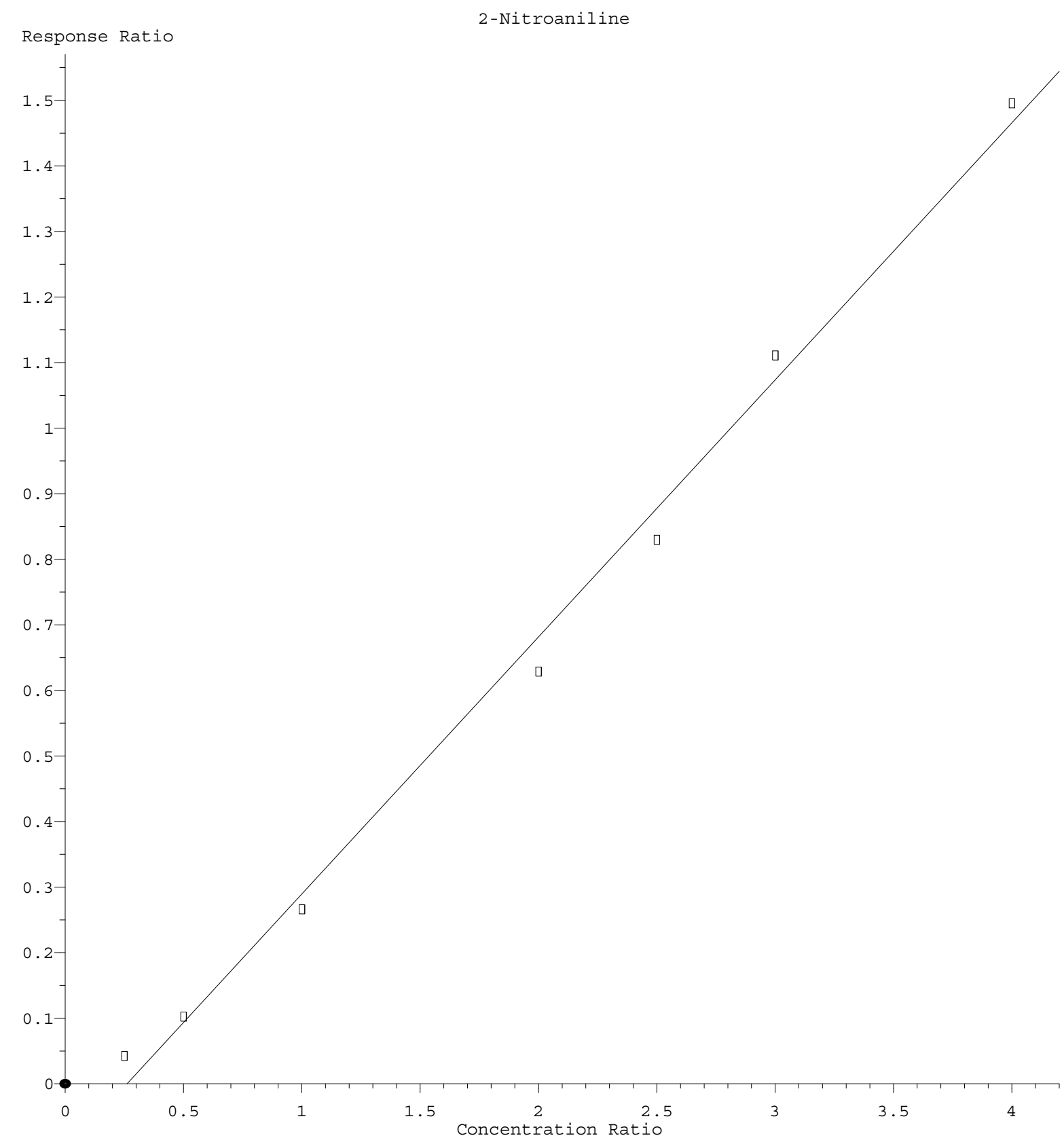

Response = 3.921e-001 * Amt - 1.029e-001
Coef of Det (r^2) = 0.994253 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG021523.M
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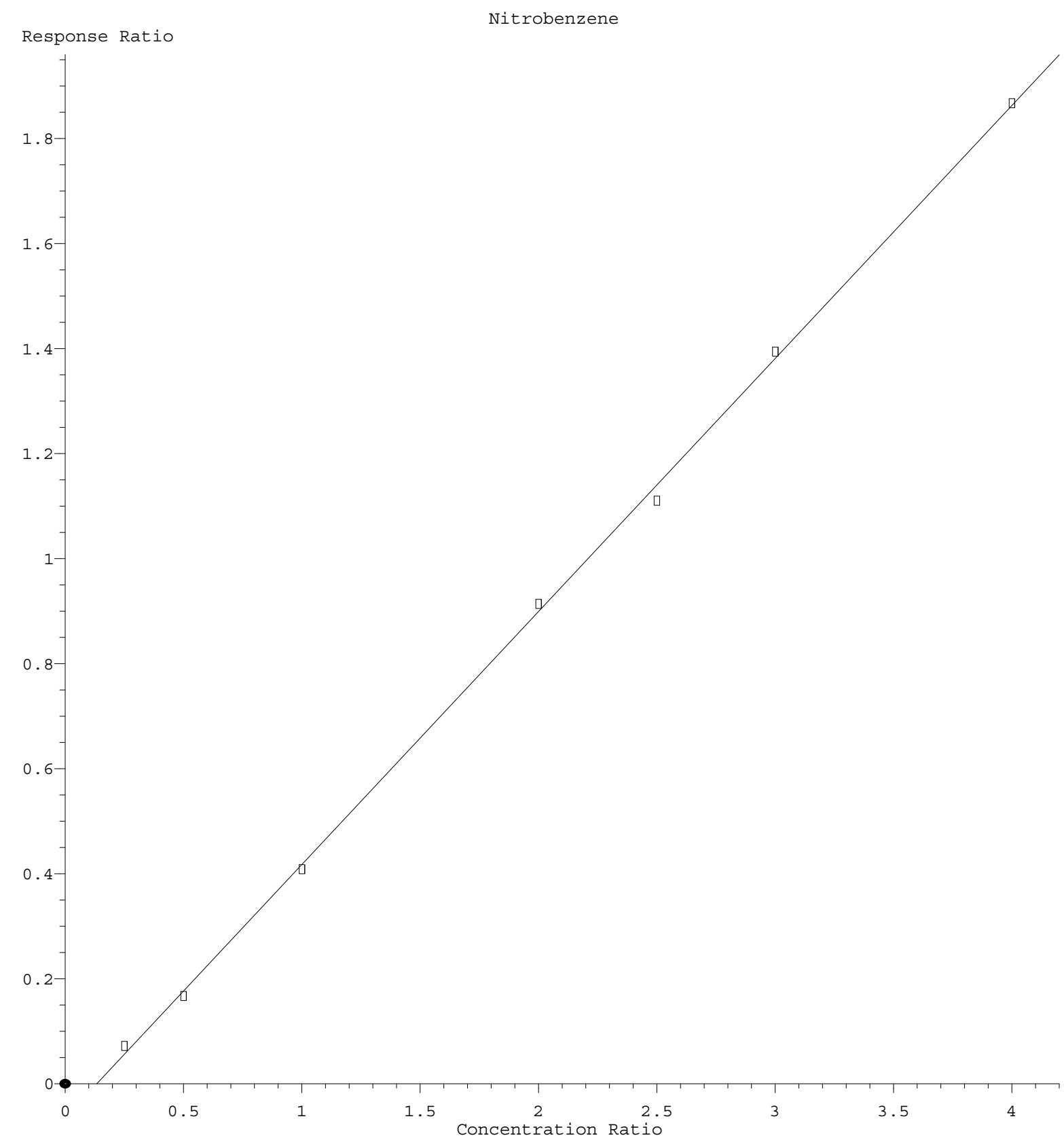

Response = 4.820e-001 * Amt - 6.478e-002
Coef of Det (r^2) = 0.999357 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG021523.M
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