Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG042023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 21 05:53:40 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG057141.D 5 =BG057142.D 10 =BG057143.D 20 =BG057144.D 40 =BG057145.D 50 =BG057146.D 60 =BG057147.D 80 =BG0571
48.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.637	0.604	0.452	0.625	0.693	0.544	0.626	0.597	13.04
3)		Pyridine		1.569	1.505	1.119	1.587	1.482	1.545	1.482	1.470	10.90
4)		n-Nitrosodimet...		0.885	0.813	0.537	0.885	0.846	0.822	0.805	0.799	15.03
5)	S	2-Fluorophenol		1.219	1.154	0.930	1.198	1.091	1.115	1.110	1.117	8.49
6)		Aniline		2.204	2.297	2.007	2.321	2.156	2.138	2.106	2.176	5.03
7)	S	Phenol-d6		1.924	1.843	1.560	1.871	1.706	1.711	1.707	1.760	7.12
8)		2-Chlorophenol		1.184	1.256	1.077	1.319	1.133	1.220	1.216	1.201	6.61
9)		Benzaldehyde		1.266	1.264	0.997	1.014	0.889	0.894	0.797	1.017	18.12
10)	C	Phenol		1.730	1.729	1.507	1.823	1.674	1.685	1.672	1.689	5.66
11)		bis(2-Chloroet...		1.220	1.320	1.133	1.260	1.094	1.141	1.149	1.188	6.79
12)		1,3-Dichlorobe...		1.346	1.444	1.431	1.440	1.294	1.323	1.275	1.365	5.31
13)	C	1,4-Dichlorobe...		1.546	1.478	1.442	1.432	1.313	1.319	1.310	1.406	6.63
14)		1,2-Dichlorobe...		1.565	1.312	1.396	1.403	1.267	1.283	1.271	1.357	7.96
15)		Benzyl Alcohol		1.302	1.423	1.510	1.580	1.437	1.499	1.438	1.455	6.00
16)		2,2'-oxybis(1-...		1.484	1.622	1.891	1.486	1.206	1.311	1.294	1.471	15.88
17)		2-Methylphenol		1.382	1.329	1.409	1.384	1.245	1.254	1.225	1.318	5.79
18)		Hexachloroethane		0.505	0.514	0.520	0.519	0.449	0.477	0.462	0.492	5.95
19)	P	n-Nitroso-di-n...	1.275	1.330	1.358	1.398	1.325	1.211	1.210	1.187	1.287	6.05
20)		3+4-Methylphenols		1.608	1.775	1.916	1.886	1.728	1.744	1.691	1.764	6.10
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.601	0.537	0.800	0.362	0.534	0.547	0.328	0.530	29.61
23)	S	Nitrobenzene-d5		0.466	0.436	0.666	0.310	0.447	0.461	0.278	0.438	28.75
24)		Nitrobenzene		0.453	0.447	0.666	0.316	0.458	0.459	0.280	0.440	28.32
25)		Isophorone		0.882	0.848	1.209	0.556	0.780	0.821	0.506	0.800	29.03
26)	C	2-Nitrophenol		0.169	0.178	0.268	0.129	0.193	0.199	0.124	0.180	26.93
27)		2,4-Dimethylph...		0.328	0.301	0.459	0.220	0.307	0.309	0.207	0.304	27.16
28)		bis(2-Chloroet...		0.494	0.419	0.644	0.336	0.371	0.400	0.443	0.444	22.90
29)	C	2,4-Dichloroph...		0.364	0.319	0.489	0.307	0.342	0.357	0.330	0.358	17.06
30)		1,2,4-Trichlor...		0.400	0.379	0.407	0.365	0.384	0.399	0.364	0.385	4.46
31)		Naphthalene		1.172	1.058	1.101	1.086	0.990	1.058	1.029	1.071	5.37
32)		Benzoic acid		0.048	0.115	0.207	0.130	0.180	0.195	0.192	0.153	37.73
33)		4-Chloroaniline		0.481	0.482	0.495	0.505	0.474	0.478	0.469	0.484	2.59
34)	C	Hexachlorobuta...		0.293	0.282	0.276	0.267	0.291	0.306	0.257	0.282	5.91
35)		Caprolactam		0.107	0.099	0.139	0.117	0.118	0.109	0.113	0.115	10.90
36)	C	4-Chloro-3-met...		0.384	0.346	0.370	0.382	0.355	0.375	0.373	0.369	3.81
37)		2-Methylnaphth...		0.927	0.859	0.820	0.845	0.829	0.865	0.781	0.846	5.32
38)		1-Methylnaphth...		0.829	0.802	0.942	0.786	0.787	0.789	0.739	0.811	7.88

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.728	0.658	0.619	0.699	0.706	0.745	0.687	0.692	6.16
41)	P	Hexachlorocycl...		0.222	0.256	0.333	0.371	0.406	0.385	0.329	22.53
42)	S	2,4,6-Tribromo...	0.337	0.399	0.318	0.320	0.369	0.368	0.319	0.347	9.20
43)	C	2,4,6-Trichlor...	0.424	0.386	0.431	0.441	0.428	0.461	0.432	0.429	5.21
44)		2,4,5-Trichlor...	0.507	0.475	0.514	0.519	0.530	0.528	0.504	0.511	3.63
45)	S	2-Fluorobiphenyl	1.636	1.412	1.511	1.521	1.467	1.540	1.473	1.509	4.66
46)		1,1'-Biphenyl	1.585	1.399	1.572	1.563	1.424	1.496	1.492	1.504	4.87
47)		2-Chloronaphth...	1.189	1.045	1.142	1.161	1.077	1.125	1.132	1.124	4.35
48)		2-Nitroaniline	0.359	0.332	0.400	0.413	0.365	0.376	0.403	0.378	7.65
49)		Acenaphthylene	1.900	1.694	1.864	1.883	1.725	1.794	1.810	1.810	4.35
50)		Dimethylphthalate	1.647	1.519	1.605	1.591	1.541	1.573	1.523	1.571	2.98
51)		2,6-Dinitrotol...	0.370	0.306	0.347	0.356	0.335	0.348	0.333	0.342	5.97
52)	C	Acenaphthene	1.173	1.070	1.168	1.180	1.098	1.092	1.121	1.129	3.94
53)		3-Nitroaniline	0.305	0.314	0.345	0.358	0.319	0.332	0.347	0.331	5.91
54)	P	2,4-Dinitrophenol		0.113	0.174	0.191	0.208	0.226	0.212	0.187	21.65
55)		Dibenzofuran	1.971	1.914	1.912	1.887	1.824	1.891	1.807	1.886	2.96
56)	P	4-Nitrophenol	0.179	0.194	0.226	0.257	0.228	0.233	0.250	0.224	12.57
57)		2,4-Dinitrotol...	0.512	0.472	0.469	0.486	0.482	0.488	0.487	0.485	2.88
58)		Fluorene	1.613	2.057	1.571	1.561	1.497	1.537	1.486	1.617	12.29
59)		2,3,4,6-Tetrac...	0.411	0.422	0.405	0.427	0.487	0.487	0.437	0.440	7.77
60)		Diethylphthalate	1.645	1.848	1.620	1.635	1.552	1.575	1.566	1.634	6.17
61)		4-Chlorophenyl...	1.015	1.173	0.895	0.882	0.916	0.944	0.852	0.954	11.52
62)		4-Nitroaniline	0.369	0.512	0.374	0.376	0.353	0.352	0.356	0.384	14.83
63)		Azobenzene	1.546	2.190	1.646	1.635	1.432	1.454	1.550	1.636	15.72
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.098	0.103	0.127	0.139	0.127	0.137	0.136	0.124	13.58
66)	c	n-Nitrosodiphe...	0.579	0.544	0.590	0.607	0.518	0.539	0.551	0.561	5.60
67)		4-Bromophenyl-...	0.261	0.236	0.250	0.251	0.242	0.260	0.240	0.249	3.86
68)		Hexachlorobenzene	0.267	0.238	0.262	0.268	0.257	0.276	0.247	0.259	5.10
69)		Atrazine	0.243	0.208	0.219	0.224	0.204	0.214	0.194	0.215	7.27
70)	C	Pentachlorophenol		0.101	0.131	0.151	0.148	0.166	0.158	0.142	16.61
71)		Phenanthrene	1.070	1.012	1.083	1.103	0.963	1.025	1.001	1.037	4.84
72)		Anthracene	1.138	1.035	1.102	1.129	0.979	1.055	1.019	1.065	5.60
73)		Carbazole	0.934	0.885	0.953	0.957	0.820	0.865	0.871	0.898	5.72
74)		Di-n-butylphth...	1.048	1.038	1.137	1.166	0.948	1.020	1.067	1.060	6.90
75)	C	Fluoranthene	1.373	1.206	1.271	1.327	1.206	1.283	1.196	1.266	5.35
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.648	0.589	0.539	0.499	0.417	0.441	0.438	0.510	16.97
78)		Pyrene	1.471	1.419	1.496	1.488	1.363	1.433	1.419	1.441	3.25
79)	S	Terphenyl-d14	1.346	1.257	1.297	1.299	1.274	1.326	1.246	1.292	2.79
80)		Butylbenzylpht...	0.500	0.525	0.560	0.569	0.463	0.481	0.540	0.520	7.67
81)		Benzo(a)anthra...	1.432	1.394	1.462	1.468	1.362	1.419	1.408	1.421	2.63
82)		3,3'-Dichlorob...	0.529	0.492	0.502	0.502	0.466	0.477	0.462	0.490	4.82
83)		Chrysene	1.372	1.314	1.387	1.381	1.277	1.342	1.301	1.339	3.21
84)		Bis(2-ethylhex...	0.738	0.766	0.798	0.811	0.648	0.666	0.776	0.743	8.53
85)	c	Di-n-octyl pht...	1.172	1.278	1.310	1.346	1.055	1.126	1.278	1.224	8.77

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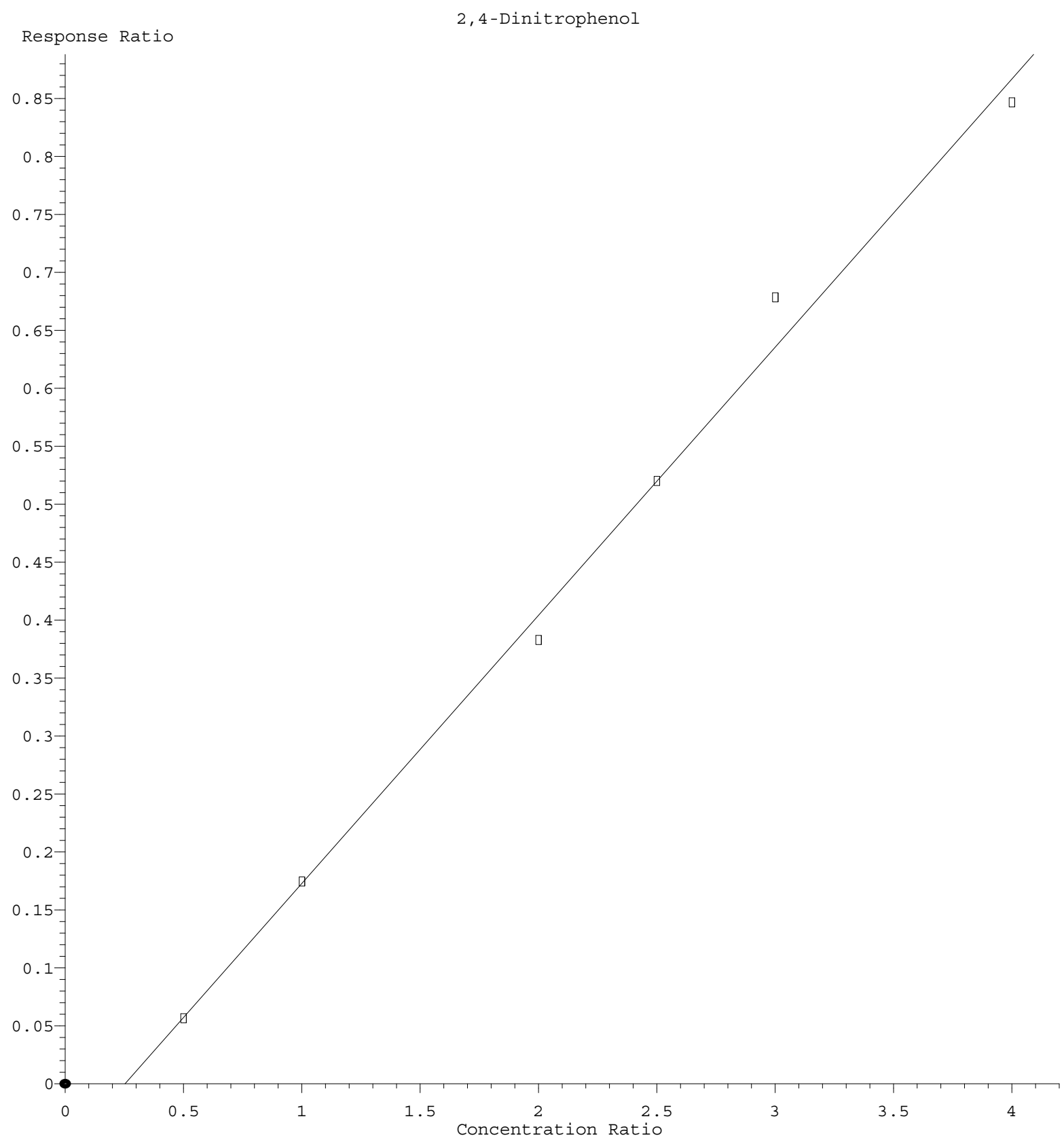
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.602	1.467	1.102	1.530	1.453	1.557	1.494	1.458	11.33
88)		Benzo(b)fluora...	1.343	1.261	1.320	1.344	1.230	1.312	1.281	1.299	3.30
89)		Benzo(k)fluora...	1.370	1.271	1.381	1.318	1.210	1.295	1.253	1.300	4.76
90)	C	Benzo(a)pyrene	1.287	1.206	1.301	1.272	1.181	1.257	1.220	1.246	3.59
91)		Dibenzo(a,h)an...	1.293	1.186	0.921	1.301	1.220	1.309	1.241	1.210	11.20
92)		Benzo(g,h,i)pe...	1.282	1.172	0.900	1.228	1.169	1.261	1.187	1.171	10.89

(#) = Out of Range



Response = 2.315e-001 * Amt - 5.847e-002
Coef of Det (r^2) = 0.993974 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042023.M
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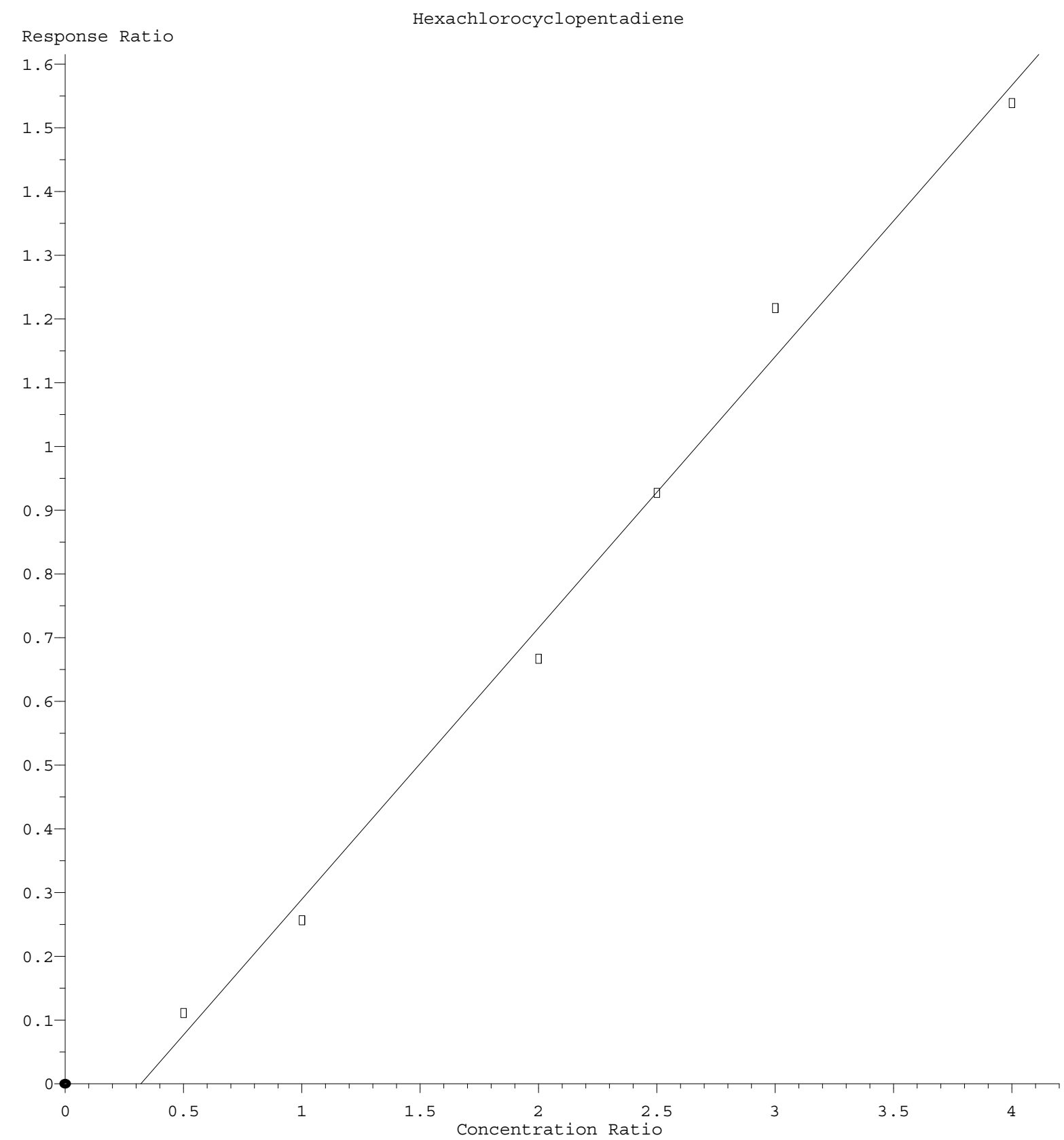

Response = 4.258e-001 * Amt - 1.365e-001
Coef of Det (r^2) = 0.992655 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042023.M
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