Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG060823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 09 00:44:37 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG057665.D 5 =BG057666.D 10 =BG057667.D 20 =BG057668.D 40 =BG057669.D 50 =BG057670.D 60 =BG057671.D 80 =BG0576
72.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.356	0.590	1.357	0.566	0.462	0.502	0.429	0.609	55.72
3)		Pyridine		0.954	0.614	2.382	1.090	1.405	1.456	1.260	1.309	42.32
4)		n-Nitrosodimet...		0.577	0.588	1.496	0.657	1.115	1.206	1.064	0.958	37.13
5)	S	2-Fluorophenol		0.973	0.563	1.169	0.543	1.147	1.245	1.097	0.962	30.30
6)		Aniline		1.662	2.336	2.209	2.268	1.909	2.128	1.876	2.056	11.93
7)	S	Phenol-d6		1.263	1.863	1.770	1.318	1.603	1.729	1.534	1.583	14.36
8)		2-Chlorophenol		1.009	1.330	1.280	1.264	1.161	1.277	1.102	1.203	9.66
9)		Benzaldehyde		0.771	1.220	1.106	0.791	0.891	0.903	0.750	0.919	19.54
10)	C	Phenol		1.242	1.844	1.677	1.320	1.485	1.643	1.437	1.521	13.94
11)		bis(2-Chloroet...		1.081	1.391	1.233	1.357	1.099	1.158	1.026	1.192	11.77
12)		1,3-Dichlorobe...		1.149	1.360	1.339	1.321	1.235	1.356	1.186	1.278	6.80
13)	C	1,4-Dichlorobe...		1.423	1.466	1.401	1.348	1.269	1.354	1.198	1.351	6.83
14)		1,2-Dichlorobe...		1.482	1.249	1.394	1.294	1.194	1.332	1.143	1.298	8.98
15)		Benzyl Alcohol		1.172	1.200	1.378	1.295	1.292	1.422	1.259	1.288	6.97
16)		2,2'-oxybis(1-...		2.836	2.613	2.693	2.651	2.198	2.318	2.027	2.477	12.01
17)		2-Methylphenol		1.359	1.054	1.281	1.265	1.065	1.213	1.056	1.185	10.62
18)		Hexachloroethane		0.475	0.532	0.576	0.503	0.499	0.526	0.466	0.511	7.35
19)	P	n-Nitroso-di-n...	1.092	1.185	1.171	1.259	1.166	1.007	1.090	0.985	1.119	8.33
20)		3+4-Methylphenols		1.642	1.708	1.767	1.735	1.471	1.627	1.425	1.625	8.06
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.557	0.889	0.262	0.558	0.557	0.555	0.530	0.558	32.54
23)	S	Nitrobenzene-d5		0.435	0.692	0.224	0.449	0.466	0.461	0.432	0.451	30.13
24)		Nitrobenzene		0.424	0.674	0.224	0.446	0.439	0.445	0.434	0.441	29.55
25)		Isophorone		0.785	0.925	0.622	0.836	0.793	0.793	0.767	0.789	11.47
26)	C	2-Nitrophenol		0.154	0.177	0.180	0.185	0.185	0.189	0.187	0.179	6.64
27)		2,4-Dimethylph...		0.297	0.325	0.343	0.335	0.337	0.333	0.326	0.328	4.60
28)		bis(2-Chloroet...		0.465	0.292	0.494	0.473	0.396	0.399	0.386	0.415	16.68
29)	C	2,4-Dichloroph...		0.285	0.199	0.333	0.318	0.322	0.328	0.311	0.299	15.62
30)		1,2,4-Trichlor...		0.364	0.362	0.369	0.352	0.364	0.361	0.352	0.361	1.78
31)		Naphthalene		1.102	1.129	1.137	1.082	1.074	1.080	1.008	1.087	3.92
32)		Benzoic acid			0.325	0.097	0.125	0.127	0.145	0.150	0.162	50.78
33)		4-Chloroaniline		0.462	0.516	0.491	0.468	0.467	0.469	0.440	0.473	5.09
34)	C	Hexachlorobuta...		0.244	0.211	0.256	0.236	0.264	0.267	0.259	0.248	7.99
35)		Caprolactam		0.073	0.074	0.105	0.104	0.095	0.102	0.096	0.093	14.67
36)	C	4-Chloro-3-met...		0.343	0.238	0.387	0.382	0.389	0.383	0.384	0.358	15.46
37)		2-Methylnaphth...		0.774	0.497	0.824	0.772	0.779	0.800	0.758	0.743	14.91
38)		1-Methylnaphth...		0.741	0.469	0.749	0.725	0.730	0.732	0.706	0.693	14.40

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.647	0.629	0.643	0.624	0.657	0.679	0.635	0.645	2.93
41)	P	Hexachlorocycl...		0.006	0.051	0.101	0.134	0.169	0.190	0.109	64.88
42)	S	2,4,6-Tribromo...	0.191	0.313	0.283	0.273	0.327	0.346	0.324	0.294	17.65
43)	C	2,4,6-Trichlor...	0.333	0.369	0.400	0.397	0.423	0.432	0.409	0.395	8.61
44)		2,4,5-Trichlor...	0.408	0.437	0.477	0.446	0.484	0.511	0.466	0.461	7.37
45)	S	2-Fluorobiphenyl	1.616	1.539	1.521	1.388	1.460	1.518	1.390	1.490	5.56
46)		1,1'-Biphenyl	1.625	1.466	1.522	1.420	1.442	1.504	1.379	1.480	5.44
47)		2-Chloronaphth...	1.116	1.113	1.158	1.065	1.092	1.131	1.021	1.099	4.12
48)		2-Nitroaniline	0.420	0.420	0.450	0.437	0.477	0.495	0.447	0.449	6.23
49)		Acenaphthylene	1.977	1.816	1.927	1.798	1.854	1.893	1.714	1.854	4.73
50)		Dimethylphthalate	1.606	1.513	1.558	1.470	1.537	1.573	1.461	1.531	3.49
51)		2,6-Dinitrotol...	0.347	0.307	0.339	0.327	0.333	0.326	0.309	0.327	4.46
52)	C	Acenaphthene	1.091	1.138	1.118	1.064	1.094	1.121	1.021	1.092	3.63
53)		3-Nitroaniline	0.318	0.312	0.353	0.339	0.345	0.348	0.324	0.334	4.81
54)	P	2,4-Dinitrophenol		0.037	0.100	0.128	0.147	0.171	0.161	0.124	39.98
55)		Dibenzofuran	1.389	1.862	1.901	1.791	1.862	1.875	1.754	1.776	10.03
56)	P	4-Nitrophenol		0.140	0.174	0.196	0.220	0.207	0.203	0.190	15.17
57)		2,4-Dinitrotol...	0.325	0.458	0.465	0.456	0.474	0.488	0.448	0.445	12.24
58)		Fluorene	0.989	1.583	1.561	1.445	1.497	1.529	1.410	1.431	14.28
59)		2,3,4,6-Tetrac...	0.226	0.398	0.357	0.374	0.408	0.433	0.411	0.373	18.60
60)		Diethylphthalate	1.208	1.626	1.621	1.490	1.614	1.686	1.501	1.535	10.47
61)		4-Chlorophenyl...	0.625	0.872	0.828	0.769	0.836	0.875	0.808	0.802	10.72
62)		4-Nitroaniline	0.218	0.321	0.349	0.351	0.369	0.370	0.329	0.330	15.91
63)		Azobenzene	1.207	1.613	1.622	1.537	1.560	1.590	1.465	1.513	9.60
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.074	0.079	0.110	0.251	0.117	0.122	0.126	0.126	47.17
66)	c	n-Nitrosodiphe...	0.696	0.560	0.575	1.199	0.521	0.550	0.546	0.664	36.53#
67)		4-Bromophenyl-...	0.282	0.231	0.221	0.325	0.226	0.235	0.235	0.251	15.39
68)		Hexachlorobenzene	0.249	0.240	0.236	0.229	0.235	0.245	0.243	0.240	2.83
69)		Atrazine	0.237	0.212	0.214	0.190	0.203	0.208	0.200	0.209	7.03
70)	C	Pentachlorophenol		0.043	0.075	0.089	0.097	0.105	0.115	0.087	29.53
71)		Phenanthrene	1.323	1.036	1.048	1.001	0.965	0.992	0.971	1.048	11.93
72)		Anthracene	1.383	1.080	1.078	1.021	1.003	1.022	1.008	1.085	12.45
73)		Carbazole	1.396	1.000	0.979	0.969	0.889	0.908	0.887	1.004	17.80
74)		Di-n-butylphth...	2.196	1.209	1.176	1.567	1.105	1.115	1.089	1.351	30.17
75)	C	Fluoranthene	2.513	2.078	1.279	1.312	1.205	1.227	1.200	1.545	34.28#
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.512	0.348	0.504	0.663	0.521	0.529	0.471	0.507	18.32
78)		Pyrene	1.379	1.047	1.422	2.190	1.335	1.407	1.349	1.447	24.29
79)	S	Terphenyl-d14	1.131	0.827	1.111	1.651	1.129	1.167	1.121	1.162	21.02
80)		Butylbenzylpht...	0.516	0.399	0.569	0.568	0.545	0.560	0.536	0.527	11.31
81)		Benzo(a)anthra...	1.403	1.436	1.458	1.385	1.370	1.432	1.379	1.409	2.36
82)		3,3'-Dichlorob...	0.483	0.494	0.528	0.501	0.492	0.516	0.481	0.499	3.48
83)		Chrysene	1.331	1.349	1.401	1.315	1.296	1.351	1.284	1.333	2.95
84)		Bis(2-ethylhex...	0.763	0.777	0.835	0.805	0.773	0.809	0.768	0.790	3.38
85)	c	Di-n-octyl pht...	1.352	1.354	1.447	1.378	1.340	1.378	1.302	1.364	3.27

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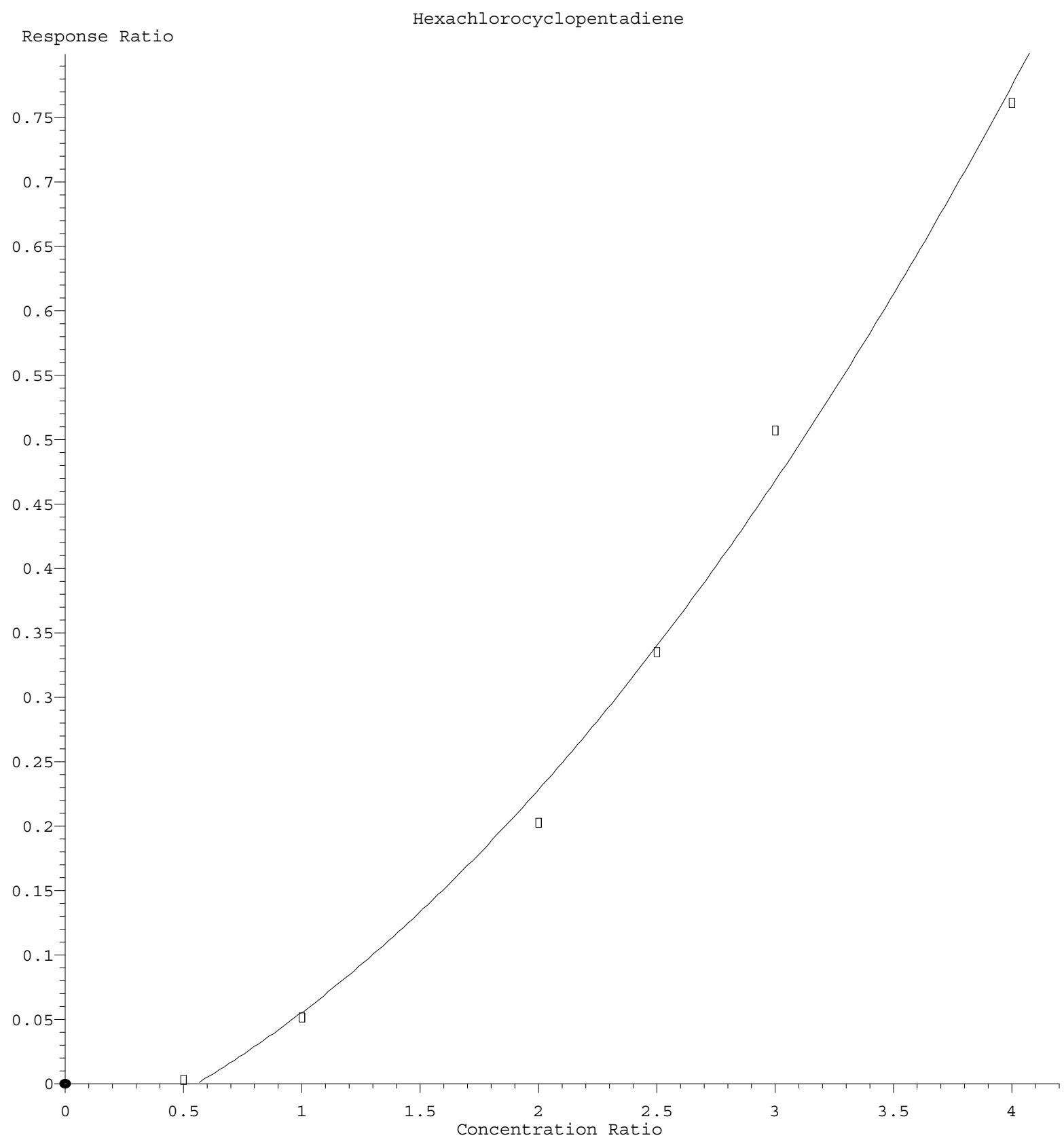
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.303	1.337	1.382	1.277	1.311	1.425	1.355	1.342	3.78
88)		Benzo(b)fluora...	1.149	1.165	1.214	1.167	1.162	1.209	1.157	1.175	2.20
89)		Benzo(k)fluora...	1.229	1.223	1.254	1.154	1.117	1.221	1.157	1.194	4.23
90)	C	Benzo(a)pyrene	1.118	1.142	1.190	1.124	1.101	1.195	1.122	1.142	3.21
91)		Dibenzo(a,h)an...	1.097	1.110	1.154	1.060	1.107	1.192	1.128	1.121	3.77
92)		Benzo(g,h,i)pe...	1.098	1.106	1.139	0.993	1.092	1.153	1.087	1.095	4.71

(#) = Out of Range



R = 3.344e-002 A*A + 7.260e-002 A - 5.069e-002
Coef of Det (r^2) = 0.994035 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG060823.M
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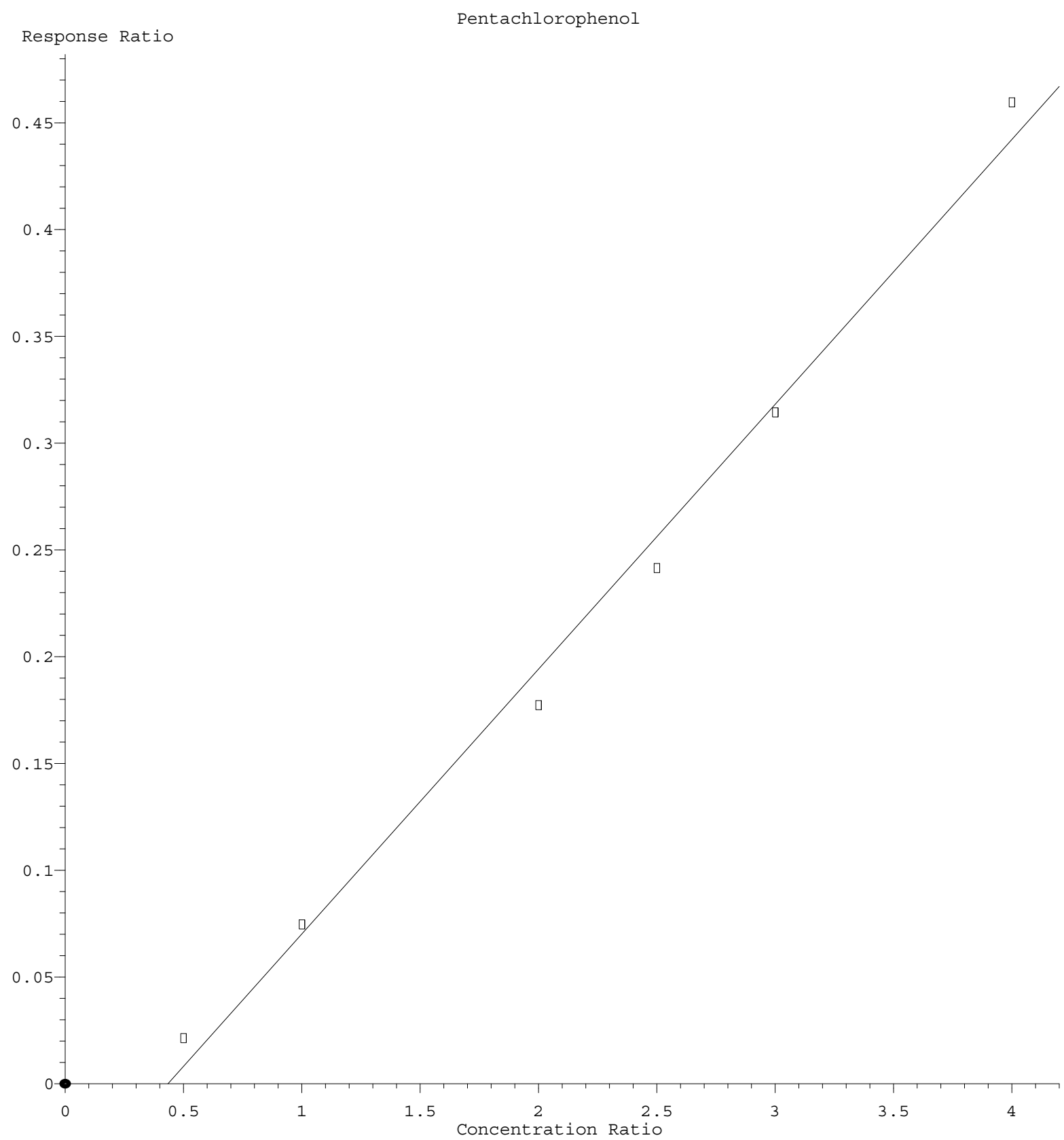

Response = 1.239e-001 * Amt - 5.375e-002
Coef of Det (r^2) = 0.992154 Curve Fit: Linear
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