Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jan 10 00:32:25 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF131955.D 5 =BF131956.D 10 =BF131957.D 20 =BF131958.D 40 =BF131959.D 50 =BF131960.D 60 =BF131961.D 80 =BF131962.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.569	0.537	0.537	0.542	0.535	0.499	0.491	0.530	5.02
3)		Pyridine		1.472	1.462	1.529	1.566	1.536	1.439	1.410	1.488	3.83
4)		n-Nitrosodimet...		0.695	0.688	0.720	0.735	0.717	0.675	0.663	0.699	3.71
5)	S	2-Fluorophenol		1.337	1.221	1.249	1.239	1.209	1.129	1.113	1.214	6.24
6)		Aniline		2.317	2.206	2.194	2.161	2.099	1.955	1.890	2.117	7.06
7)	S	Phenol-d6		1.814	1.654	1.657	1.638	1.588	1.485	1.429	1.609	7.85
8)		2-Chlorophenol		1.287	1.244	1.269	1.251	1.227	1.134	1.113	1.218	5.53
9)		Benzaldehyde			1.244	1.176	1.052	0.989	0.892		1.071	13.21
10)	C	Phenol		1.938	1.877	1.873	1.818	1.780	1.655	1.626	1.795	6.51
11)		bis(2-Chloroet...		1.458	1.380	1.392	1.393	1.353	1.275	1.222	1.353	5.89
12)		1,3-Dichlorobe...		1.507	1.359	1.379	1.391	1.341	1.279	1.237	1.356	6.38
13)	C	1,4-Dichlorobe...		1.492	1.392	1.431	1.403	1.368	1.276	1.245	1.372	6.29
14)		1,2-Dichlorobe...		1.484	1.337	1.347	1.318	1.275	1.190	1.171	1.303	8.12
15)		Benzyl Alcohol		1.516	1.450	1.482	1.454	1.388	1.292	1.228	1.401	7.53
16)		2,2'-oxybis(1-...		1.905	1.794	1.819	1.759	1.673	1.549	1.456	1.708	9.29
17)		2-Methylphenol		1.334	1.253	1.245	1.224	1.182	1.114	1.083	1.205	7.16
18)		Hexachloroethane		0.612	0.573	0.575	0.583	0.564	0.540	0.525	0.568	5.05
19)	P	n-Nitroso-di-n...	1.136	1.321	1.223	1.221	1.171	1.140	1.067	1.035	1.164	7.86
20)		3+4-Methylphenols		1.695	1.619	1.635	1.590	1.510	1.421	1.359	1.547	7.89
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.614	0.581	0.593	0.590	0.579	0.563	0.556	0.582	3.29
23)	S	Nitrobenzene-d5		0.493	0.478	0.493	0.490	0.485	0.474	0.459	0.482	2.59
24)		Nitrobenzene		0.500	0.488	0.508	0.499	0.496	0.477	0.467	0.491	2.91
25)		Isophorone		0.913	0.885	0.914	0.914	0.914	0.888	0.874	0.900	1.93
26)	C	2-Nitrophenol		0.188	0.185	0.199	0.196	0.197	0.195	0.189	0.193	2.73
27)		2,4-Dimethylph...		0.331	0.320	0.325	0.324	0.326	0.318	0.312	0.322	1.95
28)		bis(2-Chloroet...		0.518	0.495	0.510	0.506	0.497	0.488	0.474	0.498	2.93
29)	C	2,4-Dichloroph...		0.340	0.322	0.334	0.334	0.334	0.327	0.319	0.330	2.26
30)		1,2,4-Trichlor...		0.381	0.367	0.387	0.385	0.382	0.373	0.370	0.378	2.09
31)		Naphthalene		1.114	1.060	1.074	1.072	1.053	1.032	0.994	1.057	3.52
32)		Benzoic acid			0.145	0.173	0.200	0.202	0.199	0.202	0.187	12.62
33)		4-Chloroaniline		0.459	0.444	0.456	0.440	0.433	0.423	0.397	0.436	4.86
34)	C	Hexachlorobuta...		0.262	0.255	0.263	0.269	0.266	0.261	0.258	0.262	1.80
35)		Caprolactam		0.101	0.098	0.096	0.097	0.095	0.090	0.101	0.097	3.97
36)	C	4-Chloro-3-met...		0.398	0.390	0.401	0.392	0.383	0.379	0.368	0.387	2.99
37)		2-Methylnaphth...		0.783	0.760	0.777	0.769	0.762	0.730	0.732	0.759	2.74
38)		1-Methylnaphth...		0.745	0.707	0.720	0.709	0.696	0.679	0.667	0.703	3.65

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.709	0.677	0.710	0.709	0.709	0.723	0.697	0.705	2.08
41)	P	Hexachlorocycl...		0.148	0.227	0.294	0.328	0.338	0.354	0.281	28.18
42)	S	2,4,6-Tribromo...	0.230	0.225	0.233	0.227	0.232	0.233	0.228	0.230	1.36
43)	C	2,4,6-Trichlor...	0.398	0.412	0.430	0.433	0.436	0.442	0.419	0.424	3.63
44)		2,4,5-Trichlor...	0.481	0.479	0.501	0.496	0.504	0.505	0.491	0.494	2.13
45)	S	2-Fluorobiphenyl	1.562	1.504	1.504	1.454	1.475	1.466	1.406	1.482	3.29
46)		1,1'-Biphenyl	1.595	1.543	1.580	1.517	1.551	1.526	1.494	1.544	2.28
47)		2-Chloronaphth...	1.219	1.191	1.220	1.191	1.209	1.204	1.153	1.198	1.93
48)		2-Nitroaniline	0.437	0.435	0.445	0.433	0.445	0.431	0.420	0.435	1.94
49)		Acenaphthylene	1.956	1.896	1.922	1.824	1.843	1.823	1.750	1.859	3.77
50)		Dimethylphthalate	1.632	1.598	1.583	1.532	1.560	1.522	1.486	1.559	3.18
51)		2,6-Dinitrotol...	0.332	0.335	0.336	0.329	0.325	0.325	0.313	0.328	2.38
52)	C	Acenaphthene	1.174	1.141	1.136	1.098	1.108	1.084	1.072	1.116	3.21
53)		3-Nitroaniline	0.325	0.327	0.335	0.314	0.319	0.313	0.294	0.318	4.12
54)	P	2,4-Dinitrophenol		0.123	0.155	0.171	0.176	0.182	0.180	0.165	13.71
55)		Dibenzofuran	1.891	1.808	1.804	1.725	1.743	1.715	1.629	1.759	4.76
56)	P	4-Nitrophenol	0.157	0.162	0.183	0.184	0.192	0.192	0.184	0.179	7.81
57)		2,4-Dinitrotol...	0.469	0.451	0.454	0.430	0.438	0.424	0.403	0.438	5.04
58)		Fluorene	1.511	1.444	1.433	1.360	1.391	1.376	1.322	1.405	4.46
59)		2,3,4,6-Tetrac...	0.332	0.358	0.378	0.376	0.390	0.374	0.368	0.368	5.11
60)		Diethylphthalate	1.673	1.572	1.571	1.498	1.517	1.484	1.416	1.533	5.34
61)		4-Chlorophenyl...	0.846	0.822	0.826	0.787	0.795	0.788	0.767	0.804	3.43
62)		4-Nitroaniline	0.298	0.292	0.298	0.285	0.286	0.281	0.263	0.286	4.29
63)		Azobenzene	1.752	1.697	1.694	1.590	1.601	1.554	1.495	1.626	5.61
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.105	0.118	0.129	0.138	0.139	0.139	0.136	0.129	10.28
66)	c	n-Nitrosodiphe...	0.636	0.616	0.626	0.634	0.637	0.624	0.618	0.627	1.35
67)		4-Bromophenyl-...	0.249	0.243	0.251	0.253	0.256	0.254	0.246	0.250	1.78
68)		Hexachlorobenzene	0.255	0.249	0.252	0.256	0.257	0.256	0.248	0.253	1.45
69)		Atrazine	0.236	0.234	0.230	0.226	0.231	0.225	0.216	0.228	2.99
70)	C	Pentachlorophenol		0.088	0.108	0.126	0.129	0.135	0.134	0.120	15.48
71)		Phenanthrene	1.089	1.055	1.035	1.052	1.033	1.037	0.997	1.043	2.69
72)		Anthracene	1.120	1.092	1.081	1.077	1.068	1.049	1.026	1.073	2.82
73)		Carbazole	0.940	0.918	0.899	0.890	0.881	0.858	0.833	0.889	4.02
74)		Di-n-butylphth...	1.302	1.241	1.245	1.236	1.245	1.214	1.178	1.237	3.02
75)	C	Fluoranthene	1.274	1.215	1.198	1.166	1.153	1.141	1.061	1.173	5.69
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.803	0.699	0.679	0.614	0.643	0.548		0.664	12.97
78)		Pyrene	1.705	1.679	1.753	1.868	1.897	1.881	1.985	1.824	6.19
79)	S	Terphenyl-d14	1.321	1.291	1.336	1.420	1.452	1.454	1.494	1.395	5.62
80)		Butylbenzylpht...	0.681	0.685	0.708	0.759	0.769	0.773	0.779	0.736	5.88
81)		Benzo(a)anthra...	1.505	1.420	1.458	1.469	1.465	1.431	1.438	1.455	1.96
82)		3,3'-Dichlorob...	0.503	0.481	0.487	0.458	0.437	0.414	0.399	0.454	8.57
83)		Chrysene	1.408	1.348	1.357	1.370	1.340	1.334	1.363	1.360	1.81
84)		Bis(2-ethylhex...	0.933	0.915	0.991	1.030	1.041	1.031	1.040	0.998	5.31
85)	c	Di-n-octyl pht...	1.351	1.296	1.359	1.370	1.380	1.381	1.417	1.365	2.71

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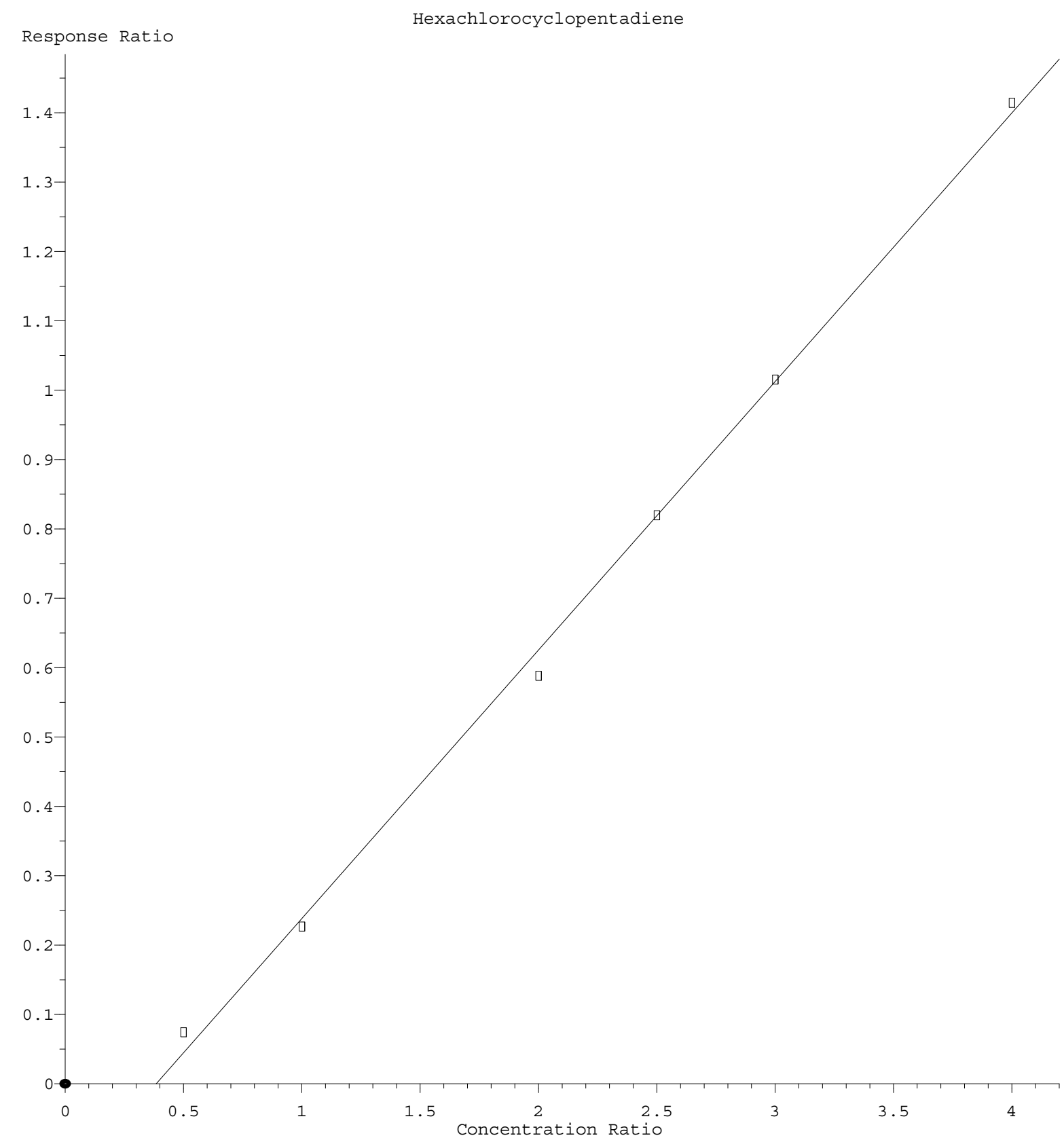
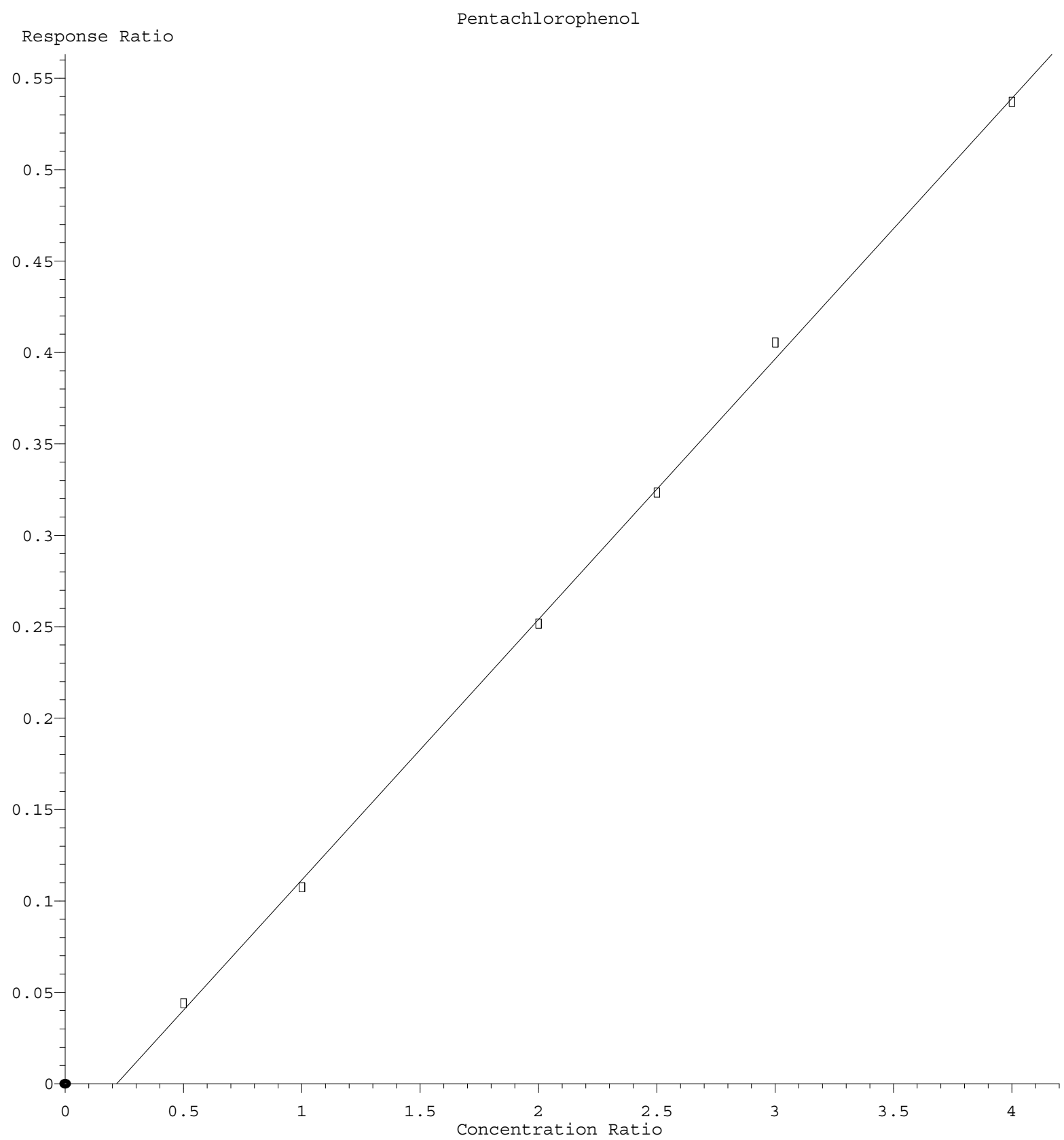
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.017	1.009	1.124	1.321	1.339	1.364	1.411	1.227	13.97
88)		Benzo(b)fluora...	1.359	1.345	1.456	1.403	1.343	1.407	1.289	1.372	3.99
89)		Benzo(k)fluora...	1.409	1.398	1.401	1.388	1.422	1.270	1.295	1.369	4.42
90)	C	Benzo(a)pyrene	1.241	1.207	1.248	1.253	1.250	1.242	1.211	1.236	1.53
91)		Dibenzo(a,h)an...	0.854	0.830	0.941	1.100	1.131	1.154	1.187	1.028	14.56
92)		Benzo(g,h,i)pe...	0.796	0.762	0.893	1.067	1.086	1.115	1.153	0.982	16.42

(#) = Out of Range



Response = 3.871e-001 * Amt - 1.491e-001
Coef of Det (r^2) = 0.997906 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF010923.M
Calibration Table Last Updated: Tue Jan 10 00:32:25 2023



Response = 1.427e-001 * Amt - 3.110e-002
Coef of Det (r^2) = 0.999288 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF010923.M
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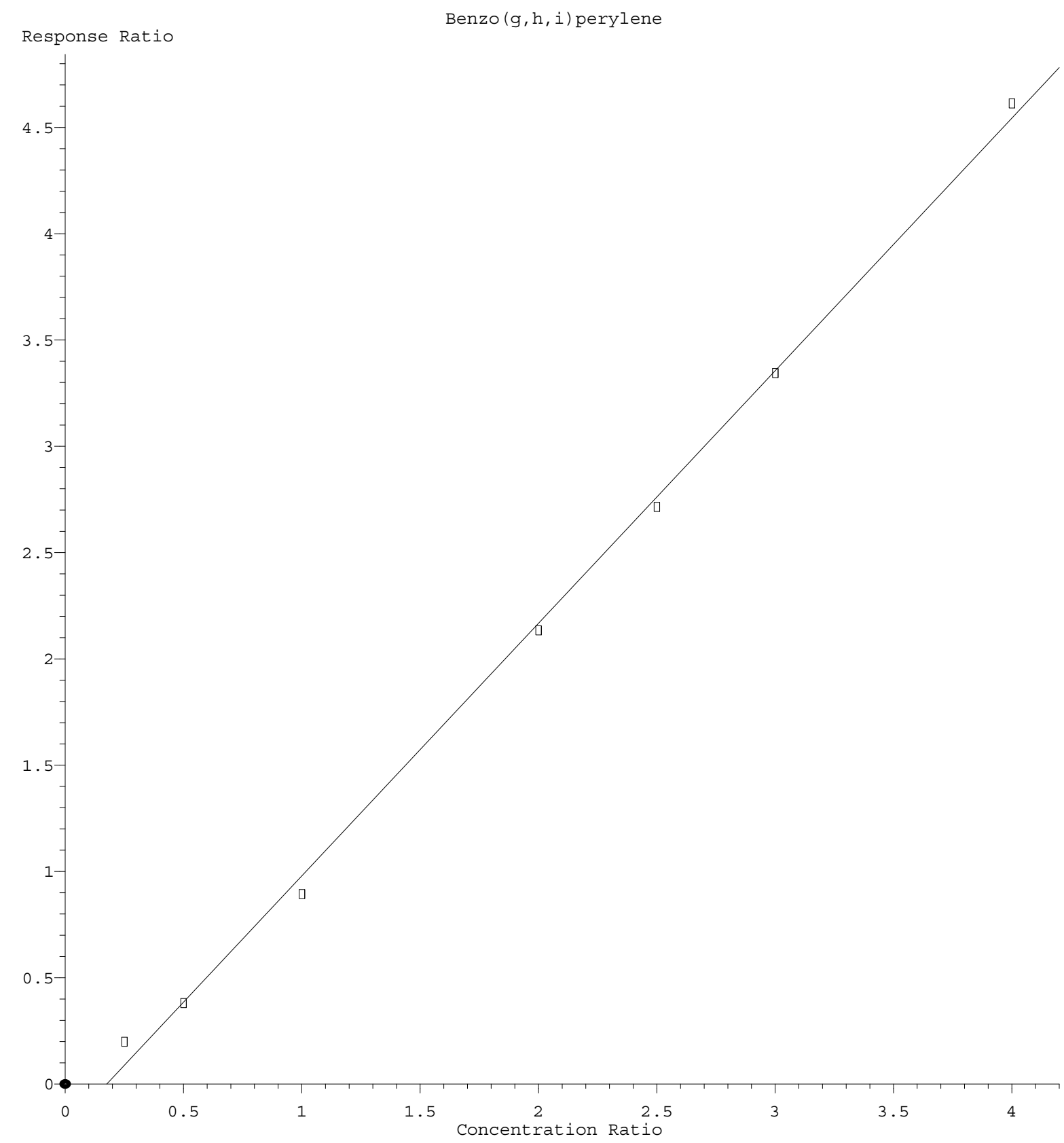

Response = 1.188e+000 * Amt - 2.094e-001
Coef of Det (r^2) = 0.998283 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF010923.M
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