Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 26 05:13:34 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131820.D 5 =BF131821.D 10 =BF131822.D 20 =BF131823.D 40 =BF131824.D 50 =BF131825.D 60 =BF131826.D 80 =BF1318
27.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.585	0.568	0.588	0.572	0.539	0.545	0.520	0.560	4.54
3)		Pyridine		1.523	1.599	1.638	1.660	1.510	1.597	1.485	1.573	4.29
4)		n-Nitrosodimet...		0.730	0.752	0.764	0.761	0.711	0.747	0.714	0.740	2.97
5)	S	2-Fluorophenol		1.224	1.280	1.272	1.235	1.149	1.183	1.105	1.207	5.35
6)		Aniline		1.967	2.019	2.028	1.951	1.855	1.881	1.759	1.923	5.02
7)	S	Phenol-d6		1.647	1.670	1.662	1.598	1.507	1.554	1.460	1.586	5.14
8)		2-Chlorophenol		1.276	1.342	1.358	1.297	1.197	1.249	1.181	1.271	5.30
9)		Benzaldehyde		1.261	1.203	1.153	0.941	0.905	0.895	0.764	1.017	18.39
10)	C	Phenol		1.967	1.952	2.021	1.920	1.791	1.847	1.718	1.888	5.68
11)		bis(2-Chloroet...		1.380	1.409	1.421	1.364	1.290	1.331	1.257	1.350	4.51
12)		1,3-Dichlorobe...		1.485	1.552	1.552	1.464	1.373	1.403	1.342	1.453	5.75
13)	C	1,4-Dichlorobe...		1.486	1.547	1.540	1.488	1.395	1.445	1.350	1.464	4.99
14)		1,2-Dichlorobe...		1.433	1.477	1.456	1.382	1.306	1.320	1.258	1.376	6.07
15)		Benzyl Alcohol		1.433	1.437	1.466	1.429	1.340	1.362	1.267	1.390	5.06
16)		2,2'-oxybis(1-...		1.823	1.799	1.856	1.752	1.638	1.662	1.533	1.723	6.75
17)		2-Methylphenol		1.171	1.224	1.233	1.177	1.109	1.150	1.073	1.162	4.96
18)		Hexachloroethane		0.597	0.630	0.615	0.601	0.567	0.577	0.551	0.591	4.69
19)	P	n-Nitroso-di-n...	1.234	1.136	1.160	1.170	1.103	1.056	1.081	1.018	1.120	6.19
20)		3+4-Methylphenols		1.569	1.635	1.602	1.533	1.444	1.465	1.369	1.517	6.26
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.603	0.585	0.604	0.588	0.557	0.592	0.576	0.586	2.75
23)	S	Nitrobenzene-d5		0.500	0.502	0.510	0.510	0.480	0.509	0.495	0.501	2.20
24)		Nitrobenzene		0.487	0.505	0.522	0.513	0.486	0.512	0.489	0.502	2.90
25)		Isophorone		0.799	0.809	0.832	0.826	0.797	0.841	0.822	0.818	2.05
26)	C	2-Nitrophenol		0.180	0.190	0.203	0.200	0.191	0.204	0.198	0.195	4.35
27)		2,4-Dimethylph...		0.258	0.278	0.291	0.285	0.273	0.285	0.279	0.278	3.80
28)		bis(2-Chloroet...		0.435	0.444	0.445	0.442	0.431	0.443	0.432	0.439	1.41
29)	C	2,4-Dichloroph...		0.326	0.332	0.342	0.340	0.327	0.346	0.335	0.335	2.25
30)		1,2,4-Trichlor...		0.395	0.402	0.411	0.404	0.382	0.400	0.390	0.398	2.42
31)		Naphthalene		1.105	1.124	1.133	1.104	1.049	1.098	1.053	1.095	2.98
32)		Benzoic acid		0.146	0.175	0.192	0.221	0.215	0.240	0.236	0.204	16.91
33)		4-Chloroaniline		0.415	0.426	0.434	0.430	0.407	0.428	0.402	0.420	2.92
34)	C	Hexachlorobuta...		0.274	0.274	0.277	0.274	0.262	0.273	0.270	0.272	1.76
35)		Caprolactam		0.096	0.094	0.100	0.102	0.099	0.105	0.099	0.099	3.41
36)	C	4-Chloro-3-met...		0.367	0.370	0.395	0.388	0.366	0.387	0.380	0.379	2.99
37)		2-Methylnaphth...		0.732	0.745	0.756	0.739	0.712	0.737	0.726	0.735	1.93
38)		1-Methylnaphth...		0.713	0.715	0.733	0.719	0.691	0.724	0.704	0.714	1.89

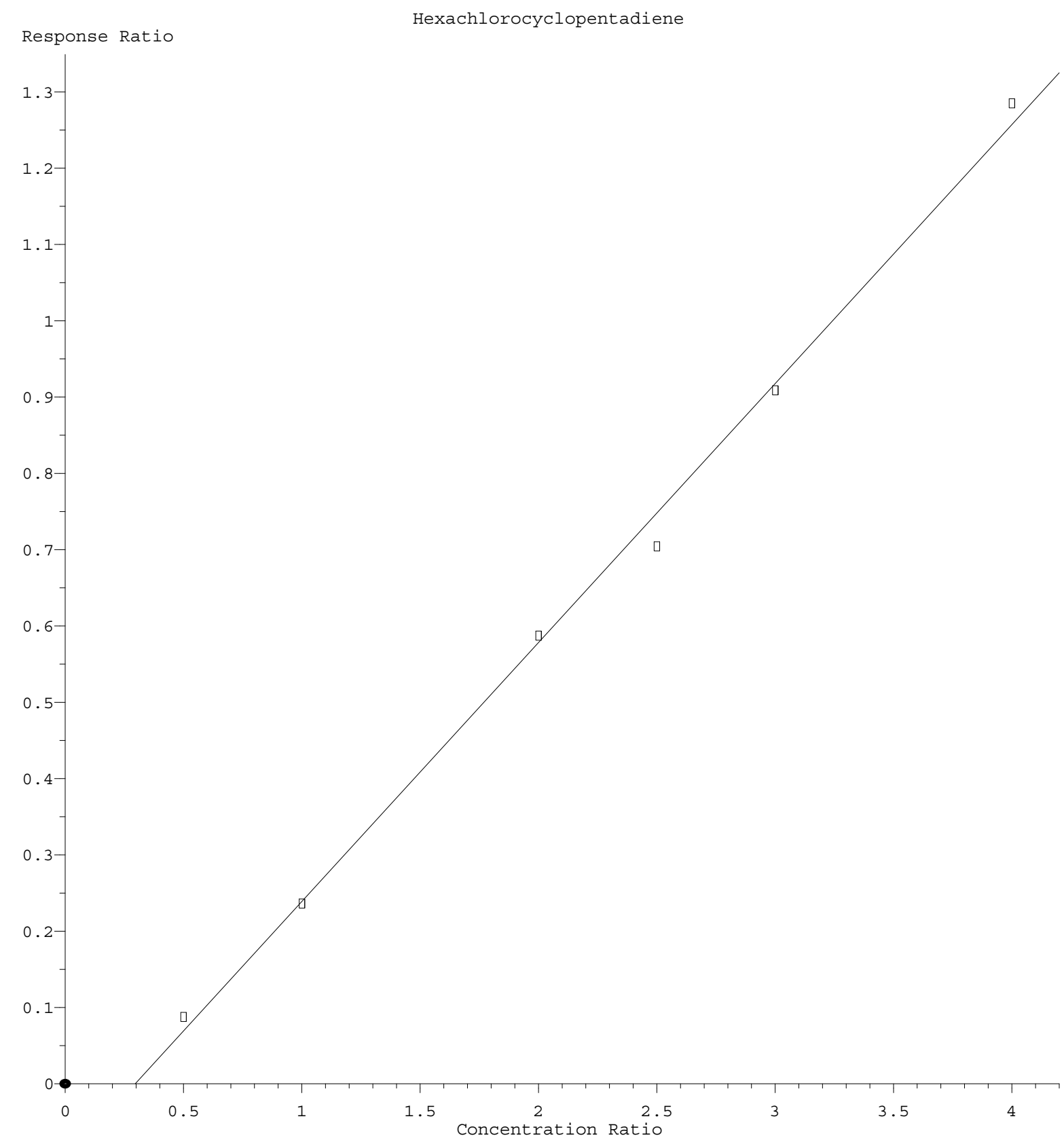
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122422.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.709	0.715	0.722	0.727	0.667	0.686	0.689	0.702	3.09
41)	P	Hexachlorocycl...		0.175	0.236	0.294	0.282	0.303	0.321	0.268	20.09
42)	S	2,4,6-Tribromo...	0.199	0.204	0.220	0.232	0.217	0.223	0.226	0.217	5.54
43)	C	2,4,6-Trichlor...	0.432	0.457	0.459	0.477	0.435	0.446	0.442	0.450	3.48
44)		2,4,5-Trichlor...	0.473	0.482	0.498	0.517	0.470	0.481	0.483	0.486	3.38
45)	S	2-Fluorobiphenyl	1.506	1.517	1.500	1.506	1.386	1.411	1.395	1.460	4.07
46)		1,1'-Biphenyl	1.549	1.556	1.594	1.589	1.459	1.485	1.486	1.531	3.54
47)		2-Chloronaphth...	1.277	1.288	1.303	1.328	1.211	1.232	1.229	1.267	3.44
48)		2-Nitroaniline	0.430	0.462	0.478	0.496	0.452	0.472	0.459	0.464	4.48
49)		Acenaphthylene	1.888	1.933	1.953	1.998	1.799	1.836	1.798	1.886	4.16
50)		Dimethylphthalate	1.476	1.550	1.541	1.593	1.452	1.489	1.491	1.513	3.26
51)		2,6-Dinitrotol...	0.304	0.327	0.336	0.352	0.327	0.324	0.322	0.328	4.40
52)	C	Acenaphthene	1.146	1.142	1.161	1.198	1.091	1.129	1.102	1.138	3.17
53)		3-Nitroaniline	0.306	0.326	0.342	0.359	0.329	0.342	0.332	0.334	4.93
54)	P	2,4-Dinitrophenol		0.146	0.173	0.200	0.193	0.206	0.213	0.188	13.25
55)		Dibenzofuran	1.741	1.803	1.843	1.844	1.666	1.704	1.678	1.754	4.33
56)	P	4-Nitrophenol	0.201	0.214	0.238	0.258	0.233	0.246	0.247	0.234	8.58
57)		2,4-Dinitrotol...	0.414	0.438	0.465	0.482	0.441	0.453	0.443	0.448	4.81
58)		Fluorene	1.453	1.431	1.470	1.505	1.368	1.406	1.392	1.432	3.33
59)		2,3,4,6-Tetrac...	0.373	0.391	0.410	0.425	0.391	0.400	0.403	0.399	4.09
60)		Diethylphthalate	1.401	1.471	1.516	1.539	1.419	1.430	1.419	1.456	3.66
61)		4-Chlorophenyl...	0.722	0.755	0.767	0.782	0.726	0.737	0.721	0.744	3.26
62)		4-Nitroaniline	0.320	0.351	0.357	0.373	0.342	0.350	0.342	0.348	4.72
63)		Azobenzene	1.616	1.657	1.690	1.693	1.549	1.583	1.525	1.616	4.15
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.107	0.124	0.141	0.144	0.143	0.147	0.147	0.136	11.09
66)	c	n-Nitrosodiphe...	0.620	0.611	0.625	0.617	0.588	0.607	0.603	0.610	2.02
67)		4-Bromophenyl-...	0.233	0.231	0.237	0.233	0.223	0.231	0.234	0.232	1.85
68)		Hexachlorobenzene	0.256	0.259	0.258	0.257	0.244	0.252	0.256	0.255	1.94
69)		Atrazine	0.217	0.216	0.210	0.209	0.191	0.188	0.175	0.201	8.06
70)	C	Pentachlorophenol	0.092	0.111	0.128	0.138	0.134	0.137	0.141	0.126	14.18
71)		Phenanthrene	1.137	1.117	1.127	1.109	1.048	1.081	1.079	1.100	2.85
72)		Anthracene	1.093	1.083	1.108	1.089	1.031	1.068	1.060	1.076	2.35
73)		Carbazole	0.945	0.976	0.985	0.967	0.909	0.952	0.915	0.950	3.08
74)		Di-n-butylphth...	1.122	1.158	1.189	1.166	1.111	1.148	1.142	1.148	2.31
75)	C	Fluoranthene	1.284	1.297	1.341	1.300	1.230	1.262	1.253	1.281	2.85
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.627	0.508	0.370	0.328	0.180	0.159	0.128	0.329	57.50
78)		Pyrene	1.529	1.577	1.625	1.775	1.694	1.765	1.770	1.676	6.00
79)	S	Terphenyl-d14	1.077	1.124	1.152	1.257	1.197	1.238	1.232	1.182	5.65
80)		Butylbenzylpht...	0.529	0.579	0.617	0.671	0.633	0.658	0.665	0.622	8.39
81)		Benzo(a)anthra...	1.424	1.441	1.468	1.526	1.412	1.443	1.422	1.448	2.68
82)		3,3'-Dichlorob...	0.436	0.451	0.467	0.440	0.385	0.390	0.361	0.419	9.48
83)		Chrysene	1.328	1.365	1.394	1.445	1.297	1.347	1.349	1.361	3.52
84)		Bis(2-ethylhex...	0.711	0.720	0.770	0.802	0.740	0.767	0.789	0.757	4.56
85)	c	Di-n-octyl pht...	1.037	0.995	1.065	1.076	0.945	0.991	1.026	1.019	4.48

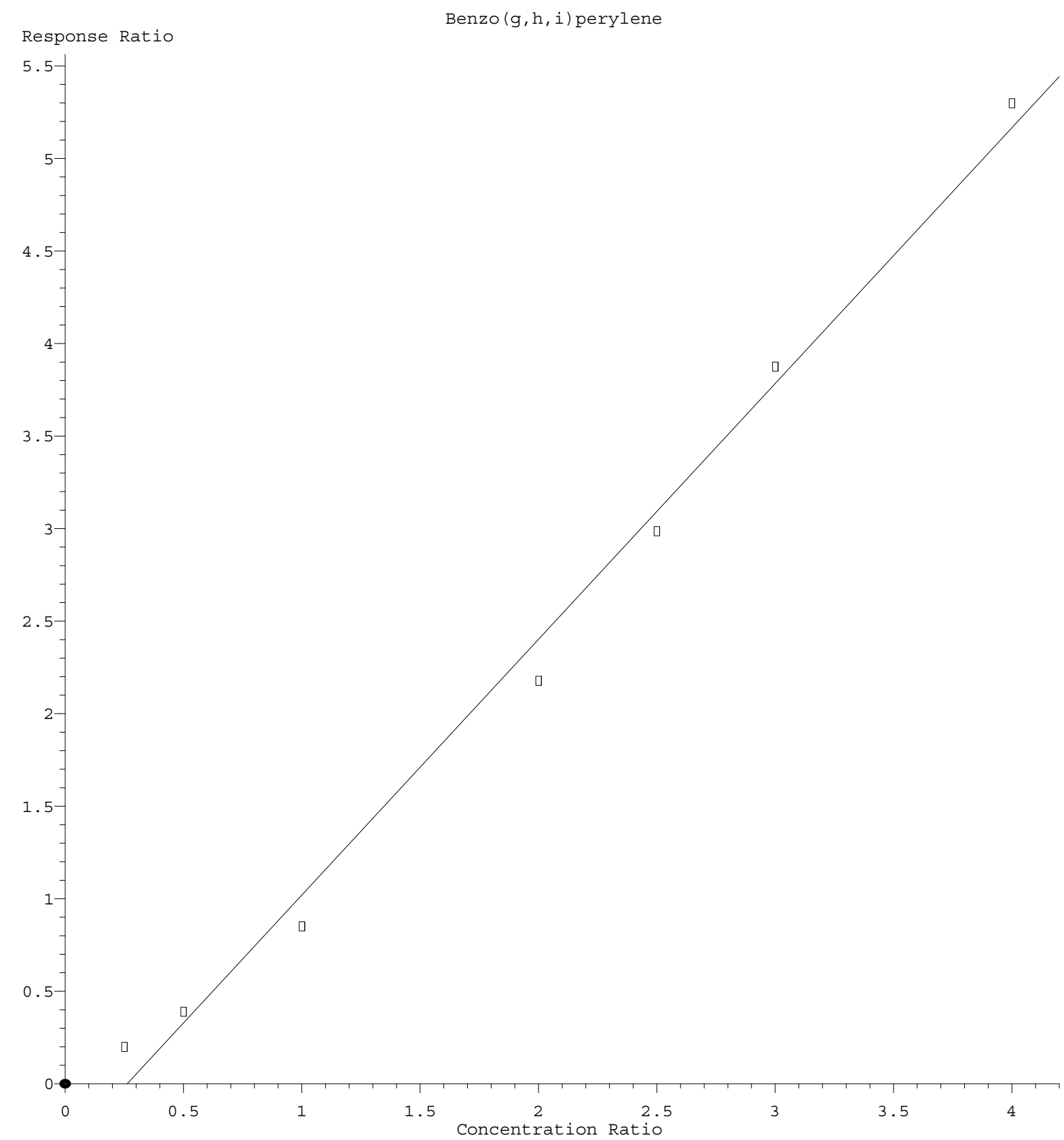
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122422.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.014	0.998	1.057	1.301	1.425	1.533	1.566	1.271	19.45
88)		Benzo(b)fluora...	1.411	1.459	1.482	1.532	1.454	1.432	1.495	1.466	2.76
89)		Benzo(k)fluora...	1.284	1.426	1.531	1.420	1.395	1.468	1.394	1.417	5.34
90)	C	Benzo(a)pyrene	1.093	1.122	1.161	1.139	1.129	1.149	1.155	1.135	2.07
91)		Dibenzo(a,h)an...	0.835	0.823	0.862	1.069	1.141	1.253	1.302	1.041	19.45
92)		Benzo(g,h,i)pe...	0.796	0.779	0.851	1.089	1.194	1.292	1.324	1.046	22.53

(#) = Out of Range



Response = 3.394e-001 * Amt - 1.005e-001
Coef of Det (r^2) = 0.996686 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122422.M
Calibration Table Last Updated: Mon Dec 26 05:13:34 2022



Response = 1.382e+000 * Amt - 3.626e-001
Coef of Det (r^2) = 0.992471 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122422.M
Calibration Table Last Updated: Mon Dec 26 05:13:34 2022