Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 12 06:52:52 2022
Response Via : Initial Calibration

Calibration Files
5 =BF130611.D 10 =BF130612.D 20 =BF130613.D 40 =BF130614.D 50 =BF130615.D 60 =BF130616.D 80 =BF130617.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.804	0.704	0.770	0.701	0.612	0.629	0.479	0.671	16.30
3)		Pyridine	1.145	1.206	1.206	1.439	1.154	1.083	1.173	1.201	9.43
4)		n-Nitrosodimet...	0.585	0.530	0.590	0.655	0.523	0.505	0.572	0.566	9.08
5)	S	2-Fluorophenol	1.165	1.131	1.175	1.199	1.064	0.981	1.051	1.110	7.17
6)		Aniline	1.788	1.728	1.750	1.660	1.614	1.622	1.528	1.670	5.43
7)	S	Phenol-d6	1.506	1.431	1.469	1.385	1.301	1.391	1.282	1.395	5.93
8)		2-Chlorophenol	1.364	1.339	1.376	1.317	1.238	1.288	1.212	1.305	4.77
9)		Benzaldehyde	1.079	0.983	0.965	0.865	0.778	0.795	0.672	0.876	16.04
10)	C	Phenol	1.742	1.679	1.719	1.594	1.555	1.559	1.451	1.614	6.47
11)		bis(2-Chloroet...	1.232	1.198	1.230	1.180	1.102	1.194	1.072	1.172	5.31
12)		1,3-Dichlorobe...	1.526	1.448	1.483	1.462	1.364	1.384	1.334	1.429	4.89
13)	C	1,4-Dichlorobe...	1.559	1.502	1.530	1.529	1.238	1.432	1.354	1.449	8.05
14)		1,2-Dichlorobe...	1.483	1.443	1.448	1.509	1.155	1.169	1.242	1.350	11.46
15)		Benzyl Alcohol	1.004	1.015	1.090	1.156	0.886	0.897	0.963	1.002	9.78
16)		2,2'-oxybis(1-...	1.643	1.600	1.622	1.691	1.324	1.351	1.328	1.508	10.96
17)		2-Methylphenol	1.138	1.097	1.083	1.132	0.910	0.950	0.956	1.038	9.26
18)		Hexachloroethane	0.564	0.563	0.573	0.620	0.514	0.488	0.515	0.548	8.24
19)	P	n-Nitroso-di-n...	0.960	0.947	0.940	0.992	0.788	0.864	0.809	0.900	8.84
20)		3+4-Methylphenols	1.550	1.470	1.450	1.512	1.202	1.306	1.245	1.391	9.91
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.479	0.452	0.489	0.510	0.410	0.558	0.460	0.480	9.78
23)	S	Nitrobenzene-d5	0.360	0.346	0.377	0.388	0.338	0.401	0.355	0.366	6.27
24)		Nitrobenzene	0.363	0.353	0.376	0.389	0.341	0.401	0.356	0.368	5.75
25)		Isophorone	0.608	0.584	0.620	0.626	0.509	0.732	0.589	0.610	10.89
26)	C	2-Nitrophenol	0.173	0.172	0.188	0.201	0.164	0.186	0.182	0.181	6.79
27)		2,4-Dimethylph...	0.251	0.241	0.259	0.286	0.226	0.254	0.246	0.252	7.28
28)		bis(2-Chloroet...	0.354	0.350	0.363	0.389	0.322	0.354	0.340	0.353	5.82
29)	C	2,4-Dichloroph...	0.284	0.278	0.299	0.279	0.264	0.290	0.280	0.282	3.86
30)		1,2,4-Trichlor...	0.303	0.302	0.316	0.301	0.291	0.310	0.304	0.304	2.58
31)		Naphthalene	1.074	1.040	1.062	1.095	0.979	1.013	0.984	1.035	4.36
32)		Benzoic acid		0.112	0.141	0.189	0.160	0.179	0.175	0.159	17.94
33)		4-Chloroaniline	0.411	0.407	0.419	0.429	0.381	0.386	0.375	0.401	5.19
34)	C	Hexachlorobuta...	0.189	0.183	0.194	0.197	0.172	0.192	0.192	0.189	4.40
35)		Caprolactam	0.078	0.091	0.087	0.097	0.071	0.087	0.083	0.085	10.14
36)	C	4-Chloro-3-met...	0.309	0.336	0.315	0.336	0.248	0.304	0.292	0.306	9.86
37)		2-Methylnaphth...	0.706	0.743	0.704	0.566	0.535	0.665	0.641	0.652	11.80
38)		1-Methylnaphth...	0.685	0.738	0.676	0.548	0.519	0.642	0.619	0.632	12.26

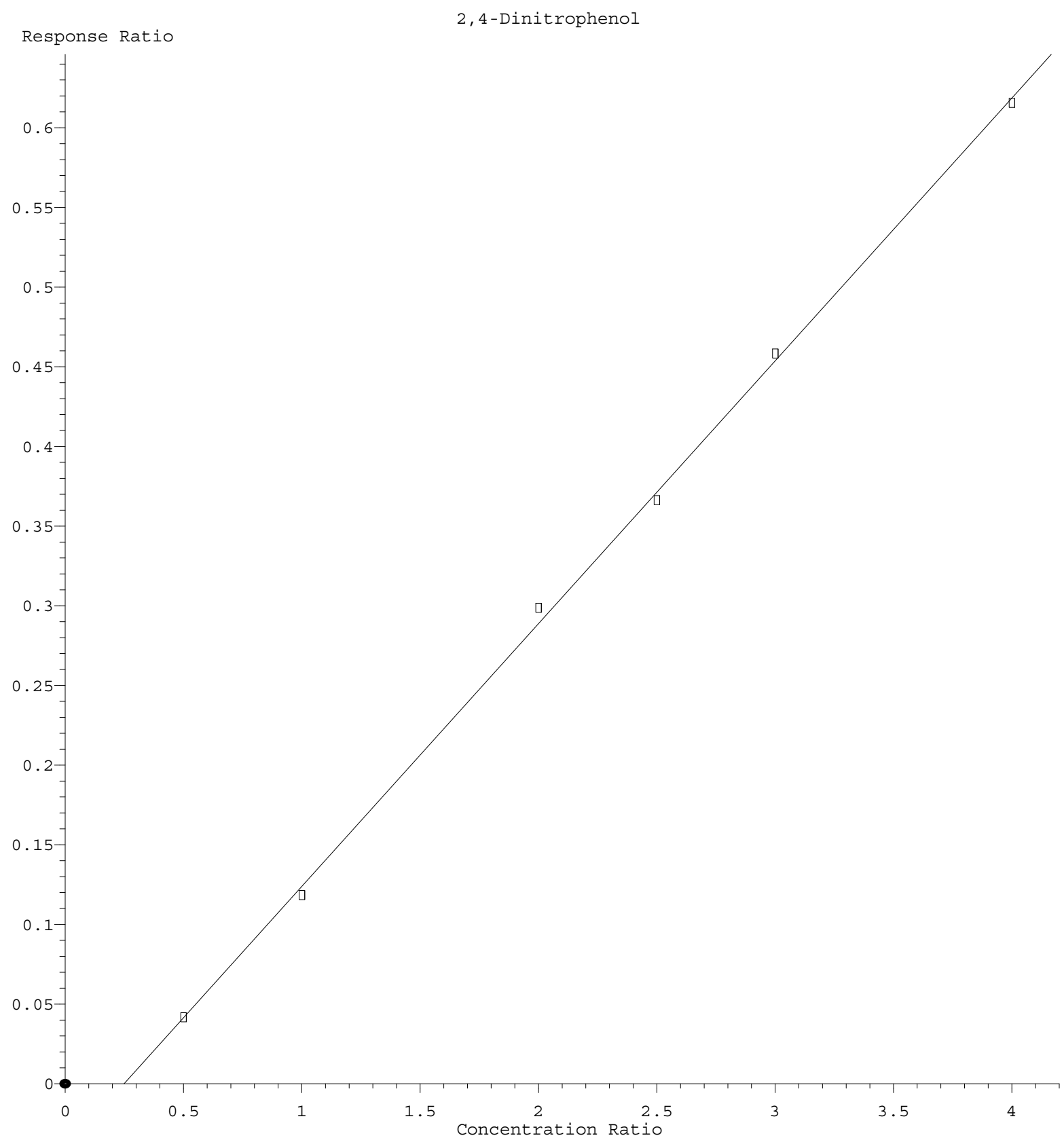
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101122.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.532	0.532	0.559	0.568	0.516	0.540	0.552	0.543	3.34
41)	P	Hexachlorocycl...		0.058	0.114	0.174	0.171	0.198	0.215	0.155	37.76
42)	S	2,4,6-Tribromo...	0.193	0.152	0.200	0.218	0.199	0.205	0.202	0.196	10.64
43)	C	2,4,6-Trichlor...	0.346	0.343	0.373	0.387	0.354	0.374	0.372	0.364	4.51
44)		2,4,5-Trichlor...	0.360	0.383	0.412	0.430	0.394	0.414	0.412	0.401	5.87
45)	S	2-Fluorobiphenyl	1.399	1.304	1.362	1.373	1.225	1.301	1.279	1.320	4.60
46)		1,1'-Biphenyl	1.483	1.433	1.500	1.526	1.372	1.428	1.405	1.449	3.81
47)		2-Chloronaphth...	1.204	1.180	1.225	1.231	1.119	1.173	1.160	1.185	3.30
48)		2-Nitroaniline	0.345	0.351	0.364	0.384	0.346	0.358	0.347	0.357	3.95
49)		Acenaphthylene	1.845	1.783	1.830	1.863	1.691	1.716	1.698	1.775	4.12
50)		Dimethylphthalate	1.430	1.349	1.428	1.460	1.297	1.377	1.350	1.384	4.15
51)		2,6-Dinitrotol...	0.291	0.300	0.310	0.323	0.297	0.302	0.304	0.304	3.42
52)	C	Acenaphthene	1.111	1.036	1.109	1.131	1.044	1.064	1.032	1.075	3.80
53)		3-Nitroaniline	0.338	0.313	0.345	0.356	0.326	0.329	0.323	0.333	4.35
54)	P	2,4-Dinitrophenol		0.083	0.118	0.149	0.147	0.153	0.154	0.134	20.95
55)		Dibenzofuran	1.721	1.602	1.685	1.702	1.614	1.584	1.559	1.638	3.87
56)	P	4-Nitrophenol	0.133	0.153	0.188	0.213	0.204	0.203	0.192	0.184	15.97
57)		2,4-Dinitrotol...	0.397	0.367	0.405	0.415	0.389	0.388	0.372	0.390	4.40
58)		Fluorene	1.417	1.288	1.386	1.414	1.357	1.288	1.277	1.347	4.58
59)		2,3,4,6-Tetrac...	0.285	0.300	0.330	0.344	0.338	0.317	0.323	0.319	6.60
60)		Diethylphthalate	1.405	1.299	1.414	1.450	1.469	1.334	1.298	1.381	5.11
61)		4-Chlorophenyl...	0.625	0.570	0.627	0.638	0.607	0.600	0.595	0.609	3.81
62)		4-Nitroaniline	0.319	0.307	0.322	0.335	0.343	0.314	0.286	0.318	5.87
63)		Azobenzene	1.316	1.275	1.312	1.361	1.402	1.234	1.205	1.301	5.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.102	0.109	0.127	0.136	0.136	0.131	0.134	0.125	11.11
66)	c	n-Nitrosodiphe...	0.658	0.659	0.670	0.680	0.670	0.653	0.667	0.665	1.35
67)		4-Bromophenyl-...	0.229	0.201	0.234	0.240	0.208	0.233	0.240	0.226	6.91
68)		Hexachlorobenzene	0.254	0.227	0.262	0.267	0.249	0.264	0.269	0.256	5.73
69)		Atrazine	0.190	0.170	0.192	0.196	0.181	0.173	0.166	0.181	6.61
70)	C	Pentachlorophenol		0.069	0.092	0.109	0.104	0.108	0.115	0.100	17.00
71)		Phenanthrene	1.147	1.125	1.137	1.148	1.060	1.068	1.072	1.108	3.58
72)		Anthracene	1.103	1.082	1.107	1.121	1.067	1.044	1.051	1.082	2.73
73)		Carbazole	1.007	1.012	0.998	0.983	0.951	0.912	0.896	0.966	4.85
74)		Di-n-butylphth...	1.188	1.165	1.224	1.233	1.120	1.145	1.113	1.170	4.06
75)	C	Fluoranthene	1.163	1.135	1.142	1.130	0.888	1.019	0.977	1.065	9.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.691	0.716	0.507	0.493	0.340	0.404	0.389	0.506	29.17
78)		Pyrene	1.587	1.768	1.744	1.838	1.613	1.779	1.750	1.725	5.30
79)	S	Terphenyl-d14	1.126	1.245	1.212	1.293	1.110	1.215	1.235	1.205	5.42
80)		Butylbenzylpht...	0.579	0.652	0.673	0.716	0.637	0.703	0.685	0.663	6.98
81)		Benzo(a)anthra...	1.340	1.293	1.380	1.401	1.303	1.368	1.350	1.348	2.92
82)		3,3'-Dichlorob...	0.388	0.382	0.419	0.407	0.370	0.391	0.369	0.389	4.74
83)		Chrysene	1.272	1.230	1.311	1.327	1.232	1.297	1.277	1.278	2.90
84)		Bis(2-ethylhex...	0.692	0.708	0.793	0.850	0.828	0.884	0.874	0.804	9.62
85)	c	Di-n-octyl pht...	0.996	1.049	1.172	1.283	1.143	1.570	1.410	1.232	16.55

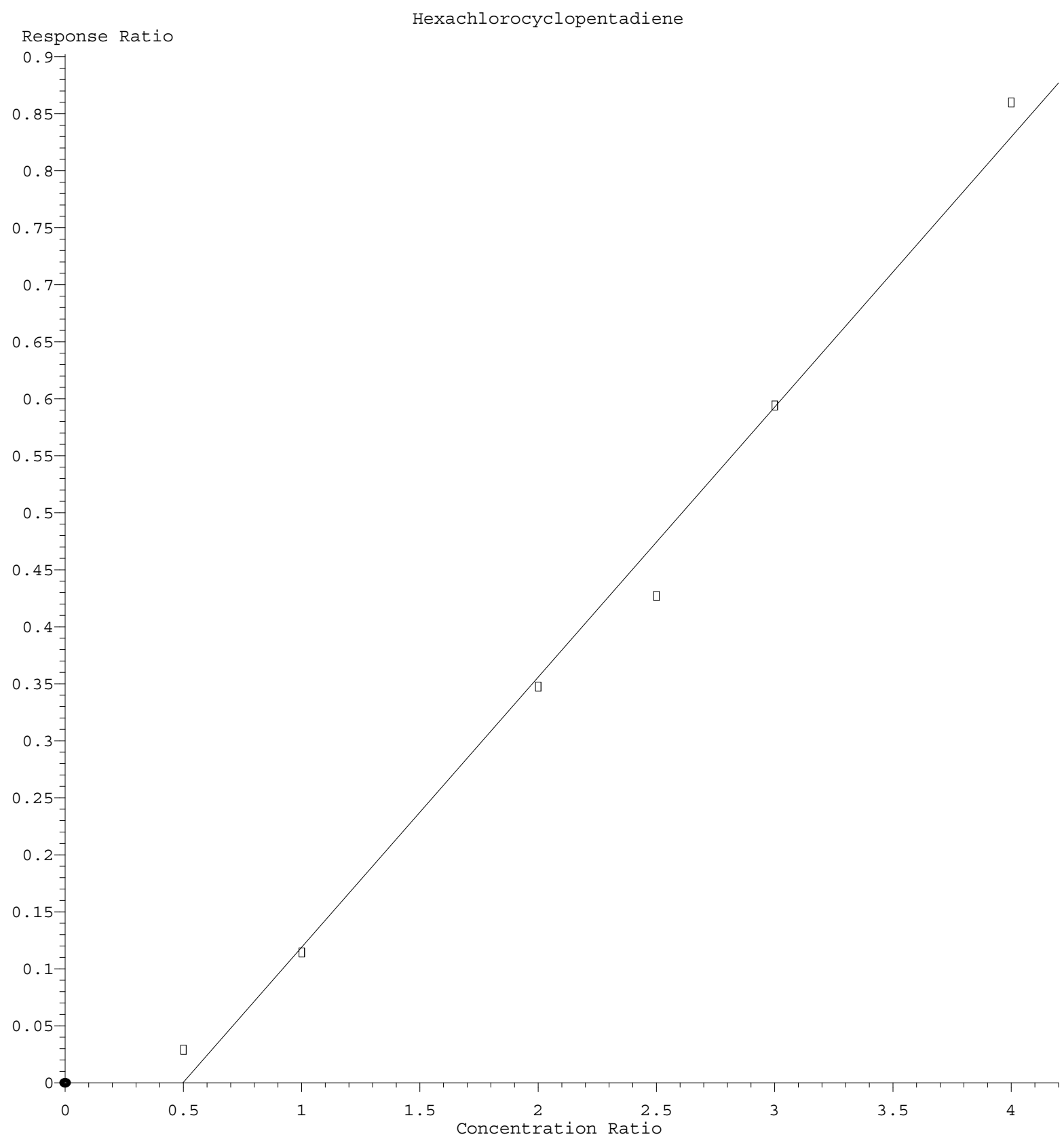
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101122.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.194	1.109	1.470	1.711	1.626	1.678	1.690	1.497	16.72
88)		Benzo(b)fluora...	1.282	1.263	1.420	1.347	1.099	1.262	1.192	1.266	8.14
89)		Benzo(k)fluora...	1.377	1.346	1.295	1.406	1.179	1.204	1.219	1.290	7.00
90)	C	Benzo(a)pyrene	1.039	1.028	1.081	1.129	1.023	1.040	1.038	1.054	3.62
91)		Dibenzo(a,h)an...	0.971	0.909	1.221	1.411	1.327	1.362	1.388	1.227	16.80
92)		Benzo(g,h,i)pe...	0.943	0.904	1.214	1.419	1.027	1.083	1.410	1.143	18.44

(#) = Out of Range



Response = 1.650e-001 * Amt - 4.103e-002
Coef of Det (r^2) = 0.999198 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101122.M
Calibration Table Last Updated: Wed Oct 12 06:52:52 2022



Response = 2.369e-001 * Amt - 1.180e-001
Coef of Det (r^2) = 0.991414 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101122.M
Calibration Table Last Updated: Wed Oct 12 06:52:52 2022