Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF138680.D 5 =BF138681.D 10 =BF138682.D 20 =BF138683.D 40 =BF138684.D 50 =BF138685.D 60 =BF138686.D 80 =BF1386
87.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.563	0.544	0.567	3.20
3)		Pyridine		1.373	1.365	1.453	1.381	1.380	1.358	1.308	1.374	3.13
4)		n-Nitrosodimet...		0.813	0.817	0.829	0.814	0.804	0.849	0.803	0.818	1.94
5)	S	2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.256	1.183	1.296	6.00
6)		Aniline		1.656	1.626	1.704	1.532	1.487	1.480	1.375	1.551	7.47
7)	S	Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.684	1.575	1.740	7.19
8)		2-Chlorophenol		1.471	1.418	1.443	1.325	1.308	1.325	1.252	1.363	5.94
9)		Benzaldehyde		1.230	1.119	1.099	0.904	0.862			1.043	14.84
10)	C	Phenol		2.012	1.946	1.913	1.775	1.739	1.771	1.664	1.832	6.89
11)		bis(2-Chloroet...		1.494	1.476	1.434	1.363	1.348	1.416	1.335	1.409	4.46
12)		1,3-Dichlorobe...		1.687	1.609	1.608	1.475	1.445	1.468	1.389	1.526	7.12
13)	C	1,4-Dichlorobe...		1.689	1.615	1.620	1.496	1.482	1.470	1.407	1.540	6.61
14)		1,2-Dichlorobe...		1.621	1.511	1.532	1.408	1.358	1.361	1.284	1.439	8.25
15)		Benzyl Alcohol		1.326	1.287	1.334	1.218	1.213	1.246	1.151	1.254	5.27
16)		2,2'-oxybis(1-...		2.695	2.576	2.592	2.350	2.311	2.317	2.138	2.426	8.17
17)		2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.130	1.045	1.126	4.91
18)		Hexachloroethane		0.619	0.614	0.598	0.568	0.554	0.564	0.540	0.580	5.31
19)	P	n-Nitroso-di-n...	1.109	1.130	1.087	1.123	0.992	0.970	1.025	0.970	1.051	6.56
20)		3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.365	1.277	1.444	10.02
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.538	0.510	0.508	0.482	0.457	0.475	0.458	0.490	6.14
23)	S	Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.405	0.392	0.409	3.33
24)		Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.409	0.401	0.416	3.31
25)		Isophorone		0.735	0.710	0.735	0.681	0.655	0.697	0.677	0.699	4.31
26)	C	2-Nitrophenol		0.169	0.176	0.188	0.184	0.175	0.184	0.179	0.179	3.75
27)		2,4-Dimethylph...		0.219	0.217	0.221	0.214	0.207	0.215	0.207	0.214	2.55
28)		bis(2-Chloroet...		0.448	0.433	0.449	0.418	0.402	0.416	0.410	0.425	4.31
29)	C	2,4-Dichloroph...		0.279	0.276	0.293	0.276	0.264	0.276	0.264	0.275	3.55
30)		1,2,4-Trichlor...		0.344	0.324	0.329	0.316	0.304	0.308	0.299	0.318	4.96
31)		Naphthalene		1.124	1.102	1.110	1.044	1.000	1.014	0.976	1.053	5.63
32)		Benzoic acid			0.136	0.158	0.166	0.166	0.190	0.194	0.168	12.72
33)		4-Chloroaniline		0.354	0.363	0.369	0.346	0.337	0.358	0.348	0.353	3.09
34)	C	Hexachlorobuta...		0.205	0.197	0.200	0.190	0.187	0.187	0.181	0.192	4.39
35)		Caprolactam		0.078	0.084	0.088	0.078	0.076	0.087	0.085	0.082	5.59
36)	C	4-Chloro-3-met...		0.326	0.319	0.343	0.307	0.290	0.314	0.303	0.315	5.37
37)		2-Methylnaphth...		0.723	0.699	0.709	0.649	0.619	0.640	0.615	0.665	6.71
38)		1-Methylnaphth...		0.713	0.685	0.692	0.636	0.606	0.631	0.597	0.652	6.95

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.606	0.560	0.581	0.550	0.542	0.534	0.515	0.556	5.48
41)	P	Hexachlorocycl...		0.064	0.101	0.127	0.138	0.146	0.147	0.120	27.08
42)	S	2,4,6-Tribromo...	0.168	0.164	0.176	0.159	0.156	0.166	0.158	0.164	4.19
43)	C	2,4,6-Trichlor...	0.338	0.338	0.353	0.336	0.330	0.341	0.334	0.339	2.10
44)		2,4,5-Trichlor...	0.368	0.379	0.387	0.368	0.361	0.368	0.360	0.370	2.63
45)	S	2-Fluorobiphenyl	1.512	1.424	1.402	1.306	1.260	1.242	1.172	1.331	8.95
46)		1,1'-Biphenyl	1.714	1.635	1.630	1.539	1.507	1.497	1.442	1.566	6.12
47)		2-Chloronaphth...	1.263	1.206	1.213	1.151	1.119	1.114	1.089	1.165	5.46
48)		2-Nitroaniline	0.394	0.403	0.414	0.389	0.380	0.395	0.390	0.395	2.74
49)		Acenaphthylene	1.796	1.744	1.743	1.637	1.573	1.587	1.486	1.652	6.79
50)		Dimethylphthalate	1.336	1.297	1.367	1.229	1.208	1.278	1.237	1.279	4.57
51)		2,6-Dinitrotol...	0.286	0.288	0.304	0.288	0.277	0.300	0.277	0.289	3.57
52)	C	Acenaphthene	1.217	1.173	1.169	1.082	1.049	1.069	1.016	1.111	6.77
53)		3-Nitroaniline	0.308	0.300	0.317	0.288	0.286	0.303	0.286	0.298	4.09
54)	P	2,4-Dinitrophenol		0.097	0.142	0.127	0.131	0.152	0.148	0.133	14.84
55)		Dibenzofuran	1.729	1.680	1.666	1.515	1.484	1.488	1.412	1.568	7.75
56)	P	4-Nitrophenol		0.156	0.186	0.175	0.176	0.197	0.187	0.179	7.86
57)		2,4-Dinitrotol...	0.377	0.376	0.402	0.362	0.342	0.371	0.348	0.368	5.41
58)		Fluorene	1.374	1.326	1.351	1.206	1.166	1.189	1.127	1.249	7.97
59)		2,3,4,6-Tetrac...	0.270	0.279	0.297	0.274	0.280	0.300	0.282	0.283	3.99
60)		Diethylphthalate	1.268	1.259	1.321	1.155	1.113	1.216	1.156	1.213	6.16
61)		4-Chlorophenyl...	0.662	0.664	0.662	0.589	0.580	0.591	0.551	0.614	7.67
62)		4-Nitroaniline	0.284	0.292	0.313	0.272	0.265	0.292	0.267	0.284	6.04
63)		Azobenzene	1.427	1.391	1.450	1.300	1.259	1.329	1.258	1.345	5.85
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.107	0.123	0.125	0.123	0.128	0.127	0.122	6.44
66)	c	n-Nitrosodiphe...	0.642	0.645	0.645	0.631	0.606	0.612	0.594	0.625	3.34
67)		4-Bromophenyl-...	0.227	0.219	0.226	0.217	0.211	0.206	0.209	0.217	3.80
68)		Hexachlorobenzene	0.231	0.231	0.234	0.220	0.214	0.219	0.216	0.224	3.73
69)		Atrazine	0.171	0.172	0.176	0.162	0.153	0.153	0.141	0.161	7.84
70)	C	Pentachlorophenol		0.077	0.097	0.102	0.104	0.113	0.111	0.101	12.93
71)		Phenanthrene	1.112	1.109	1.087	1.021	0.970	0.965	0.944	1.030	7.04
72)		Anthracene	1.082	1.077	1.078	1.003	0.965	0.967	0.930	1.015	6.31
73)		Carbazole	0.970	0.938	0.940	0.870	0.810	0.825	0.774	0.875	8.62
74)		Di-n-butylphth...	0.991	0.990	1.040	0.991	0.944	0.992	0.941	0.984	3.41
75)	C	Fluoranthene	1.068	1.045	1.039	0.965	0.899	0.886	0.827	0.961	9.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.491	0.482	0.484	0.535	0.470	0.408		0.478	8.58
78)		Pyrene	1.978	1.958	2.140	1.750	1.694	1.929	1.733	1.883	8.64
79)	S	Terphenyl-d14	1.264	1.265	1.362	1.106	1.072	1.210	1.083	1.195	9.25
80)		Butylbenzylpht...	0.577	0.571	0.605	0.628	0.622	0.620	0.598	0.603	3.71
81)		Benzo(a)anthra...	1.401	1.438	1.410	1.395	1.351	1.351	1.295	1.377	3.49
82)		3,3'-Dichlorob...	0.388	0.364	0.377	0.360	0.346	0.319	0.314	0.352	8.00
83)		Chrysene	1.342	1.228	1.260	1.222	1.203	1.229	1.213	1.243	3.82
84)		Bis(2-ethylhex...	0.876	0.838	0.861	0.948	0.945	0.847	0.866	0.883	5.12
85)	c	Di-n-octyl pht...	1.637	1.524	1.614	1.744	1.742	1.570	1.605	1.634	5.06

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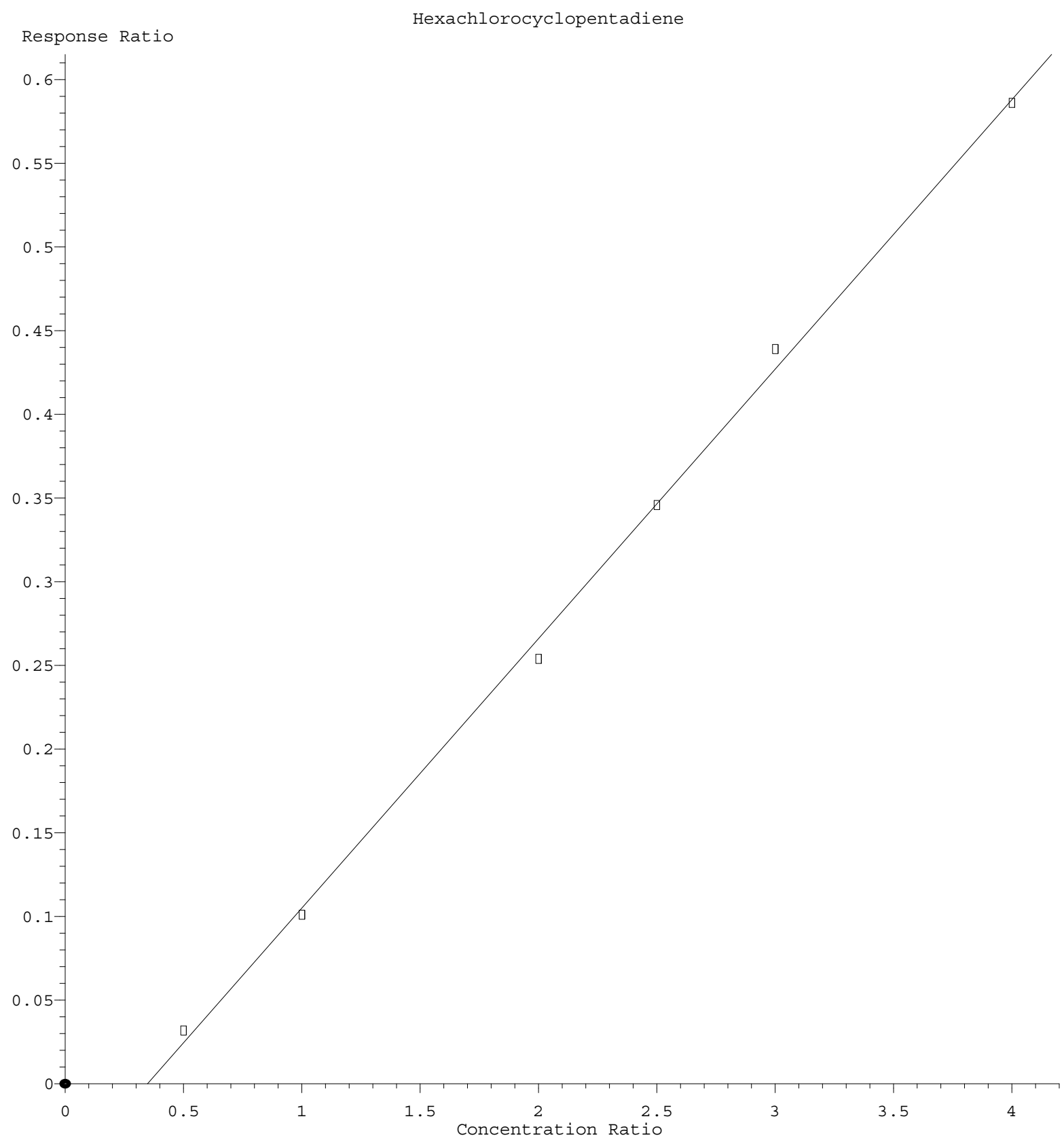
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.469	1.464	1.517	1.395	1.406	1.405	1.377	1.433	3.54
88)		Benzo(b)fluora...	1.287	1.361	1.287	1.229	1.181	1.135	1.200	1.240	6.19
89)		Benzo(k)fluora...	1.202	1.043	1.098	1.002	1.060	1.117	0.992	1.073	6.79
90)	C	Benzo(a)pyrene	1.084	1.047	1.071	1.023	1.026	1.035	1.014	1.043	2.50
91)		Dibenzo(a,h)an...	1.226	1.231	1.253	1.134	1.140	1.147	1.106	1.177	4.94
92)		Benzo(g,h,i)pe...	1.261	1.234	1.289	1.199	1.196	1.198	1.169	1.221	3.46

(#) = Out of Range



Response = 1.611e-001 * Amt - 5.610e-002
Coef of Det (r^2) = 0.998314 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF073024.M
Calibration Table Last Updated: Tue Jul 30 17:50:01 2024