Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF090823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 09 03:05:29 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF135148.D 5 =BF135149.D 10 =BF135150.D 20 =BF135151.D 40 =BF135152.D 50 =BF135153.D 60 =BF135154.D 80 =BF1351
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.581	0.584	0.570	0.496	0.487	0.527	0.504	0.535	7.82
3)		Pyridine		1.457	1.506	1.535	1.303	1.334	1.418	1.387	1.420	6.03
4)		n-Nitrosodimet...		0.683	0.727	0.781	0.663	0.683	0.740	0.699	0.711	5.73
5)	S	2-Fluorophenol		1.427	1.451	1.432	1.181	1.176	1.233	1.146	1.292	10.64
6)		Aniline		2.273	2.225	2.187	1.826	1.844	1.873	1.755	1.998	11.03
7)	S	Phenol-d6		1.817	1.824	1.789	1.490	1.480	1.547	1.436	1.626	10.78
8)		2-Chlorophenol		1.544	1.482	1.462	1.217	1.208	1.275	1.148	1.334	11.86
9)		Benzaldehyde		1.150	1.083	1.018	0.813	0.785	0.805	0.730	0.912	18.31
10)	C	Phenol		1.943	1.947	1.871	1.551	1.538	1.605	1.456	1.701	12.39
11)		bis(2-Chloroet...		1.386	1.383	1.377	1.147	1.165	1.242	1.120	1.260	9.51
12)		1,3-Dichlorobe...		1.574	1.501	1.481	1.234	1.241	1.306	1.204	1.363	11.11
13)	C	1,4-Dichlorobe...		1.588	1.495	1.483	1.247	1.263	1.306	1.202	1.369	10.95
14)		1,2-Dichlorobe...		1.511	1.446	1.421	1.165	1.157	1.192	1.079	1.282	13.41
15)		Benzyl Alcohol		1.312	1.304	1.284	1.071	1.045	1.092	0.968	1.154	12.35
16)		2,2'-oxybis(1-...		2.346	2.275	2.229	1.870	1.879	1.962	1.763	2.046	11.32
17)		2-Methylphenol		1.330	1.301	1.247	1.085	1.085	1.130	1.055	1.176	9.68
18)		Hexachloroethane		0.560	0.528	0.544	0.472	0.463	0.489	0.456	0.502	8.36
19)	P	n-Nitroso-di-n...	1.123	1.112	1.077	1.034	0.876	0.863	0.916	0.847	0.981	11.95
20)		3+4-Methylphenols		1.688	1.648	1.594	1.277	1.257	1.292	1.164	1.417	15.32
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.518	0.509	0.495	0.414	0.434	0.443	0.416	0.461	9.72
23)	S	Nitrobenzene-d5		0.388	0.393	0.389	0.335	0.356	0.364	0.346	0.367	6.33
24)		Nitrobenzene		0.398	0.402	0.398	0.340	0.355	0.372	0.346	0.373	7.13
25)		Isophorone		0.723	0.727	0.729	0.623	0.658	0.689	0.655	0.686	6.13
26)	C	2-Nitrophenol		0.180	0.185	0.194	0.171	0.180	0.187	0.177	0.182	4.12
27)		2,4-Dimethylph...		0.314	0.308	0.308	0.264	0.277	0.273	0.270	0.288	7.35
28)		bis(2-Chloroet...		0.438	0.428	0.431	0.367	0.379	0.396	0.369	0.401	7.72
29)	C	2,4-Dichloroph...		0.308	0.298	0.302	0.256	0.266	0.275	0.259	0.281	7.74
30)		1,2,4-Trichlor...		0.336	0.333	0.331	0.276	0.292	0.297	0.278	0.306	8.67
31)		Naphthalene		1.119	1.084	1.081	0.888	0.929	0.945	0.889	0.991	10.09
32)		Benzoic acid		0.190	0.210	0.241	0.212	0.229	0.249	0.234	0.224	9.31
33)		4-Chloroaniline		0.477	0.458	0.474	0.392	0.407	0.425	0.386	0.432	8.92
34)	C	Hexachlorobuta...		0.193	0.192	0.190	0.161	0.166	0.171	0.159	0.176	8.52
35)		Caprolactam		0.098	0.092	0.094	0.083	0.087	0.095	0.087	0.091	6.10
36)	C	4-Chloro-3-met...		0.338	0.339	0.341	0.289	0.301	0.309	0.289	0.315	7.53
37)		2-Methylnaphth...		0.755	0.758	0.732	0.611	0.628	0.631	0.589	0.672	10.90
38)		1-Methylnaphth...		0.710	0.694	0.675	0.558	0.583	0.595	0.542	0.623	11.06

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.613	0.619	0.613	0.520	0.544	0.546	0.518	0.567	8.05
41)	P	Hexachlorocycl...		0.127	0.186	0.198	0.229	0.227	0.251	0.203	21.66
42)	S	2,4,6-Tribromo...	0.252	0.245	0.246	0.206	0.211	0.215	0.200	0.225	9.73
43)	C	2,4,6-Trichlor...	0.396	0.406	0.409	0.343	0.364	0.370	0.348	0.376	7.18
44)		2,4,5-Trichlor...	0.475	0.460	0.474	0.396	0.424	0.422	0.398	0.436	7.78
45)	S	2-Fluorobiphenyl	1.494	1.460	1.412	1.139	1.167	1.168	1.076	1.274	13.69
46)		1,1'-Biphenyl	1.747	1.732	1.711	1.410	1.441	1.460	1.361	1.552	10.95
47)		2-Chloronaphth...	1.237	1.264	1.266	1.050	1.101	1.108	1.038	1.152	8.72
48)		2-Nitroaniline	0.411	0.423	0.437	0.375	0.402	0.410	0.391	0.407	5.04
49)		Acenaphthylene	2.020	2.016	1.968	1.622	1.654	1.663	1.519	1.780	11.93
50)		Dimethylphthalate	1.560	1.545	1.537	1.307	1.359	1.394	1.332	1.433	7.67
51)		2,6-Dinitrotol...	0.331	0.337	0.336	0.288	0.307	0.308	0.289	0.314	6.78
52)	C	Acenaphthene	1.233	1.235	1.219	1.008	1.043	1.091	0.993	1.117	9.75
53)		3-Nitroaniline	0.364	0.373	0.384	0.326	0.348	0.352	0.328	0.354	6.14
54)	P	2,4-Dinitrophenol		0.110	0.140	0.140	0.157	0.167	0.164	0.146	14.47
55)		Dibenzofuran	1.883	1.853	1.805	1.465	1.498	1.495	1.366	1.624	13.24
56)	P	4-Nitrophenol	0.230	0.237	0.251	0.222	0.232	0.244	0.229	0.235	4.24
57)		2,4-Dinitrotol...	0.421	0.439	0.452	0.361	0.374	0.373	0.334	0.393	11.18
58)		Fluorene	1.512	1.452	1.412	1.139	1.170	1.175	1.058	1.274	14.08
59)		2,3,4,6-Tetrac...	0.360	0.378	0.375	0.308	0.324	0.317	0.298	0.337	9.84
60)		Diethylphthalate	1.508	1.479	1.469	1.224	1.259	1.288	1.191	1.345	10.01
61)		4-Chlorophenyl...	0.741	0.721	0.693	0.560	0.573	0.576	0.521	0.626	14.19
62)		4-Nitroaniline	0.356	0.363	0.379	0.320	0.335	0.345	0.322	0.346	6.33
63)		Azobenzene	1.486	1.447	1.455	1.212	1.262	1.300	1.188	1.336	9.32
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.094	0.109	0.124	0.116	0.125	0.131	0.125	0.118	10.62
66)	c	n-Nitrosodiphe...	0.692	0.681	0.671	0.564	0.597	0.602	0.570	0.625	8.71
67)		4-Bromophenyl-...	0.230	0.229	0.228	0.194	0.205	0.207	0.195	0.212	7.52
68)		Hexachlorobenzene	0.244	0.250	0.241	0.207	0.219	0.222	0.211	0.228	7.49
69)		Atrazine	0.203	0.199	0.181	0.115	0.130	0.109	0.114	0.150	28.20
70)	C	Pentachlorophenol	0.116	0.132	0.131	0.115	0.124	0.126	0.122	0.124	5.42
71)		Phenanthrene	1.195	1.175	1.118	0.935	0.983	0.994	0.913	1.045	11.11
72)		Anthracene	1.207	1.200	1.156	0.959	0.996	1.013	0.934	1.067	10.99
73)		Carbazole	1.012	1.023	0.981	0.827	0.857	0.859	0.788	0.907	10.60
74)		Di-n-butylphth...	1.189	1.213	1.170	0.990	1.028	1.028	0.944	1.080	9.98
75)	C	Fluoranthene	1.199	1.181	1.145	0.927	0.948	0.964	0.859	1.032	13.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.579	0.527	0.428	0.345	0.221	0.552	0.186	0.405	39.40
78)		Pyrene	1.925	1.981	2.052	1.842	1.948	2.006	1.815	1.939	4.42
79)	S	Terphenyl-d14	1.373	1.420	1.410	1.207	1.259	1.284	1.139	1.299	8.22
80)		Butylbenzylpht...	0.657	0.684	0.730	0.639	0.686	0.713	0.632	0.677	5.43
81)		Benzo(a)anthra...	1.488	1.462	1.439	1.246	1.295	1.325	1.234	1.356	7.80
82)		3,3'-Dichlorob...	0.425	0.439	0.434	0.392	0.390	0.445	0.372	0.414	6.95
83)		Chrysene	1.414	1.397	1.417	1.213	1.278	1.330	1.218	1.324	6.75
84)		Bis(2-ethylhex...	0.716	0.710	0.746	0.679	0.717	0.741	0.697	0.715	3.26
85)	c	Di-n-octyl pht...	0.948	0.978	1.024	1.066	1.171	1.245	1.252	1.098	11.39

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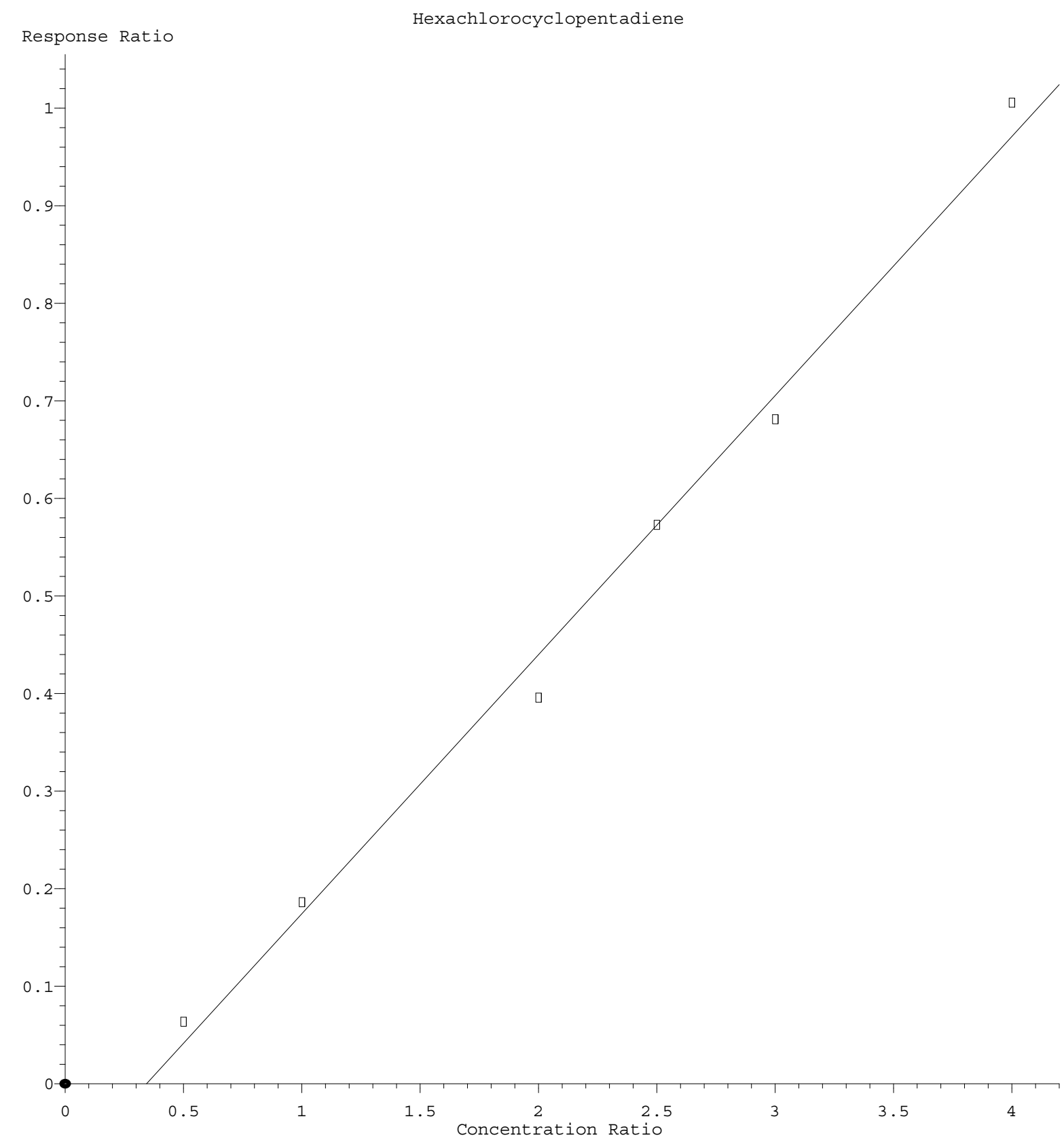
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.350	1.423	1.587	1.396	1.468	1.498	1.448	1.453	5.24
88)		Benzo(b)fluora...	1.344	1.366	1.274	1.089	1.121	1.221	1.096	1.216	9.60
89)		Benzo(k)fluora...	1.347	1.325	1.332	1.037	1.114	1.065	1.048	1.181	12.33
90)	C	Benzo(a)pyrene	1.192	1.195	1.224	1.040	1.105	1.124	1.080	1.137	5.98
91)		Dibenzo(a,h)an...	1.100	1.205	1.300	1.131	1.192	1.219	1.157	1.186	5.52
92)		Benzo(g,h,i)pe...	1.108	1.215	1.338	1.168	1.242	1.273	1.222	1.224	6.00

(#) = Out of Range



Response = 2.656e-001 * Amt - 9.126e-002
Coef of Det (r^2) = 0.992644 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF090823.M
Calibration Table Last Updated: Sat Sep 09 03:05:29 2023