Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP090924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 10 00:09:47 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021859.D 5 =BP021860.D 10 =BP021861.D 20 =BP021862.D 40 =BP021863.D 50 =BP021864.D 60 =BP021865.D 80 =BP0218
66.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.922	0.631	0.865	0.797	0.560	0.765		0.757	18.23
3)		Pyridine		2.296	1.652	2.301	2.233	1.602	2.204	1.496	1.969	18.56
4)		n-Nitrosodimet...		0.873	0.617	0.807	0.733	0.532	0.707	0.581	0.693	17.78
5)	S	2-Fluorophenol		1.870	1.172	1.363	1.793	1.354	1.361	1.367	1.469	17.59
6)		Aniline		1.704	1.748	1.783	2.318	1.690	1.592	1.500	1.762	14.95
7)	S	Phenol-d6		1.802	1.884	1.959	2.552	1.966	1.900	1.953	2.002	12.44
8)		2-Chlorophenol		1.295	1.311	1.357	1.729	1.301	1.306	1.312	1.373	11.52
9)		Benzaldehyde		1.202	1.248	1.126	1.366	0.968	0.815		1.121	17.82
10)	C	Phenol		1.836	1.929	1.930	2.559	1.989	1.873	1.938	2.008	12.35
11)		bis(2-Chloroet...		1.486	1.577	1.527	2.022	1.497	1.429	1.411	1.564	13.40
12)		1,3-Dichlorobe...		1.569	1.517	1.546	1.585	1.411	1.464	1.401	1.499	4.98
13)	C	1,4-Dichlorobe...		1.572	1.529	1.539	1.506	1.426	1.493	1.436	1.500	3.59
14)		1,2-Dichlorobe...		1.510	1.463	1.495	1.455	1.367	1.417	1.355	1.437	4.17
15)		Benzyl Alcohol		1.238	1.270	1.351	1.324	1.346	1.315	1.340	1.312	3.22
16)		2,2'-oxybis(1-...		1.382	1.483	1.459	1.327	1.310	1.290	1.274	1.361	6.10
17)		2-Methylphenol		1.132	1.209	1.307	1.285	1.294	1.261	1.293	1.255	5.03
18)		Hexachloroethane		0.688	0.505	0.669	0.609	0.538	0.641	0.604	0.608	10.97
19)	P	n-Nitroso-di-n...	1.100	1.076	1.126	1.165	1.081	1.075	1.068	1.041	1.091	3.53
20)		3+4-Methylphenols		1.602	1.667	1.865	1.787	1.533	1.833	1.845	1.733	7.61
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.455	0.622	0.496	0.705	0.578	0.460	0.569	0.555	16.48
23)	S	Nitrobenzene-d5		0.318	0.320	0.358	0.466	0.436	0.345	0.412	0.379	15.44
24)		Nitrobenzene		0.332	0.331	0.364	0.469	0.437	0.351	0.409	0.385	14.11
25)		Isophorone		0.736	0.545	0.796	0.801	0.795	0.799	0.737	0.744	12.41
26)	C	2-Nitrophenol		0.124	0.100	0.146	0.164	0.159	0.172	0.170	0.148	18.05
27)		2,4-Dimethylph...		0.202	0.156	0.224	0.229	0.225	0.228	0.224	0.213	12.54
28)		bis(2-Chloroet...		0.497	0.368	0.527	0.501	0.502	0.499	0.459	0.479	11.01
29)	C	2,4-Dichloroph...		0.250	0.202	0.288	0.306	0.290	0.307	0.295	0.277	13.72
30)		1,2,4-Trichlor...		0.338	0.264	0.337	0.336	0.309	0.339	0.319	0.320	8.50
31)		Naphthalene		1.078	1.076	1.086	1.073	1.006	1.033	1.014	1.052	3.19
32)		Benzoic acid			0.144	0.230	0.257	0.266	0.281	0.284	0.244	21.59
33)		4-Chloroaniline		0.365	0.385	0.407	0.413	0.385	0.396	0.369	0.389	4.61
34)	C	Hexachlorobuta...		0.215	0.211	0.209	0.218	0.188	0.214	0.202	0.208	4.84
35)		Caprolactam		0.100	0.107	0.119	0.127	0.128	0.130	0.126	0.120	9.70
36)	C	4-Chloro-3-met...		0.348	0.378	0.415	0.443	0.424	0.419	0.432	0.409	8.22
37)		2-Methylnaphth...		0.699	0.706	0.729	0.730	0.540	0.707	0.690	0.686	9.61
38)		1-Methylnaphth...		0.704	0.712	0.729	0.724	0.526	0.702	0.682	0.683	10.38

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.544	0.532	0.545	0.564	0.392	0.562	0.537	0.525	11.42
41)	P	Hexachlorocycl...	0.159	0.168	0.176	0.197	0.135	0.190	0.172	0.171	11.85
42)	S	2,4,6-Tribromo...	0.203	0.215	0.232	0.254	0.221	0.279	0.243	0.235	10.99
43)	C	2,4,6-Trichlor...	0.299	0.318	0.351	0.382	0.273	0.379	0.364	0.338	12.47
44)		2,4,5-Trichlor...	0.345	0.365	0.393	0.435	0.314	0.427	0.417	0.385	11.78
45)	S	2-Fluorobiphenyl	1.334	1.288	1.290	1.312	0.931	1.220	1.215	1.227	11.24
46)		1,1'-Biphenyl	1.448	1.400	1.410	1.453	1.027	1.350	1.355	1.349	10.95
47)		2-Chloronaphth...	1.133	1.092	1.116	1.131	0.806	1.071	1.048	1.057	10.86
48)		2-Nitroaniline	0.315	0.337	0.366	0.399	0.308	0.387	0.376	0.355	10.04
49)		Acenaphthylene	1.522	1.566	1.664	1.691	1.563	1.608	1.621	1.605	3.70
50)		Dimethylphthalate	1.414	1.383	1.434	1.488	1.297	1.383	1.369	1.395	4.23
51)		2,6-Dinitrotol...	0.265	0.289	0.314	0.332	0.306	0.326	0.324	0.308	7.79
52)	C	Acenaphthene	1.045	1.044	1.077	1.090	0.985	1.020	1.025	1.041	3.43
53)		3-Nitroaniline	0.243	0.279	0.319	0.347	0.312	0.337	0.319	0.308	11.66
54)	P	2,4-Dinitrophenol		0.116	0.138	0.169	0.161	0.178	0.183	0.157	16.36
55)		Dibenzofuran	1.724	1.685	1.702	1.718	1.539	1.608	1.601	1.654	4.30
56)	P	4-Nitrophenol	0.204	0.241	0.274	0.304	0.285	0.298	0.297	0.272	13.55
57)		2,4-Dinitrotol...	0.328	0.376	0.423	0.478	0.442	0.459	0.466	0.425	12.81
58)		Fluorene	1.405	1.380	1.388	1.451	1.268	1.327	1.331	1.364	4.41
59)		2,3,4,6-Tetrac...	0.320	0.333	0.347	0.376	0.337	0.372	0.352	0.348	5.90
60)		Diethylphthalate	1.453	1.442	1.465	1.592	1.369	1.426	1.457	1.458	4.63
61)		4-Chlorophenyl...	0.691	0.675	0.677	0.698	0.621	0.673	0.643	0.668	4.06
62)		4-Nitroaniline	0.270	0.300	0.345	0.383	0.349	0.363	0.365	0.339	11.82
63)		Azobenzene	1.512	1.585	1.658	1.597	1.532	1.529	1.450	1.552	4.36
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.076	0.080	0.092	0.109	0.106	0.113	0.110	0.098	15.59
66)	c	n-Nitrosodiphe...	0.519	0.529	0.536	0.551	0.510	0.522	0.507	0.525	2.96
67)		4-Bromophenyl-...	0.185	0.182	0.187	0.194	0.184	0.205	0.186	0.189	4.19
68)		Hexachlorobenzene	0.223	0.220	0.227	0.234	0.217	0.252	0.218	0.227	5.42
69)		Atrazine	0.169	0.173	0.146	0.149	0.190			0.165	10.92
70)	C	Pentachlorophenol	0.113	0.129	0.141	0.160	0.148	0.170	0.160	0.146	13.74
71)		Phenanthrene	1.024	1.008	1.012	1.022	0.932	0.974	0.942	0.988	3.89
72)		Anthracene	0.931	0.941	0.962	1.003	0.921	0.955	0.922	0.948	3.04
73)		Carbazole	0.949	0.997	1.001	1.025	0.938	0.965	0.947	0.975	3.41
74)		Di-n-butylphth...	1.002	1.079	1.102	1.225	1.106	1.135	1.135	1.112	6.06
75)	C	Fluoranthene	1.227	1.267	1.274	1.298	1.185	1.269	1.197	1.245	3.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.252	0.359	0.438	0.334	0.388		0.354	19.44
78)		Pyrene	1.211	1.224	1.320	1.344	1.301	1.300	1.333	1.291	4.06
79)	S	Terphenyl-d14	0.957	0.957	0.989	1.027	0.936	0.957	0.997	0.974	3.21
80)		Butylbenzylpht...	0.431	0.479	0.513	0.568	0.545	0.535	0.585	0.522	10.22
81)		Benzo(a)anthra...	1.238	1.257	1.293	1.315	1.233	1.268	1.270	1.268	2.29
82)		3,3'-Dichlorob...	0.354	0.378	0.414	0.445	0.417	0.451	0.420	0.411	8.41
83)		Chrysene	1.227	1.226	1.250	1.248	1.169	1.190	1.191	1.215	2.58
84)		Bis(2-ethylhex...	0.630	0.710	0.749	0.838	0.779	0.754	0.831	0.756	9.51
85)	c	Di-n-octyl pht...	0.990	1.147	1.196	1.395	1.318	1.144	1.431	1.232	12.77

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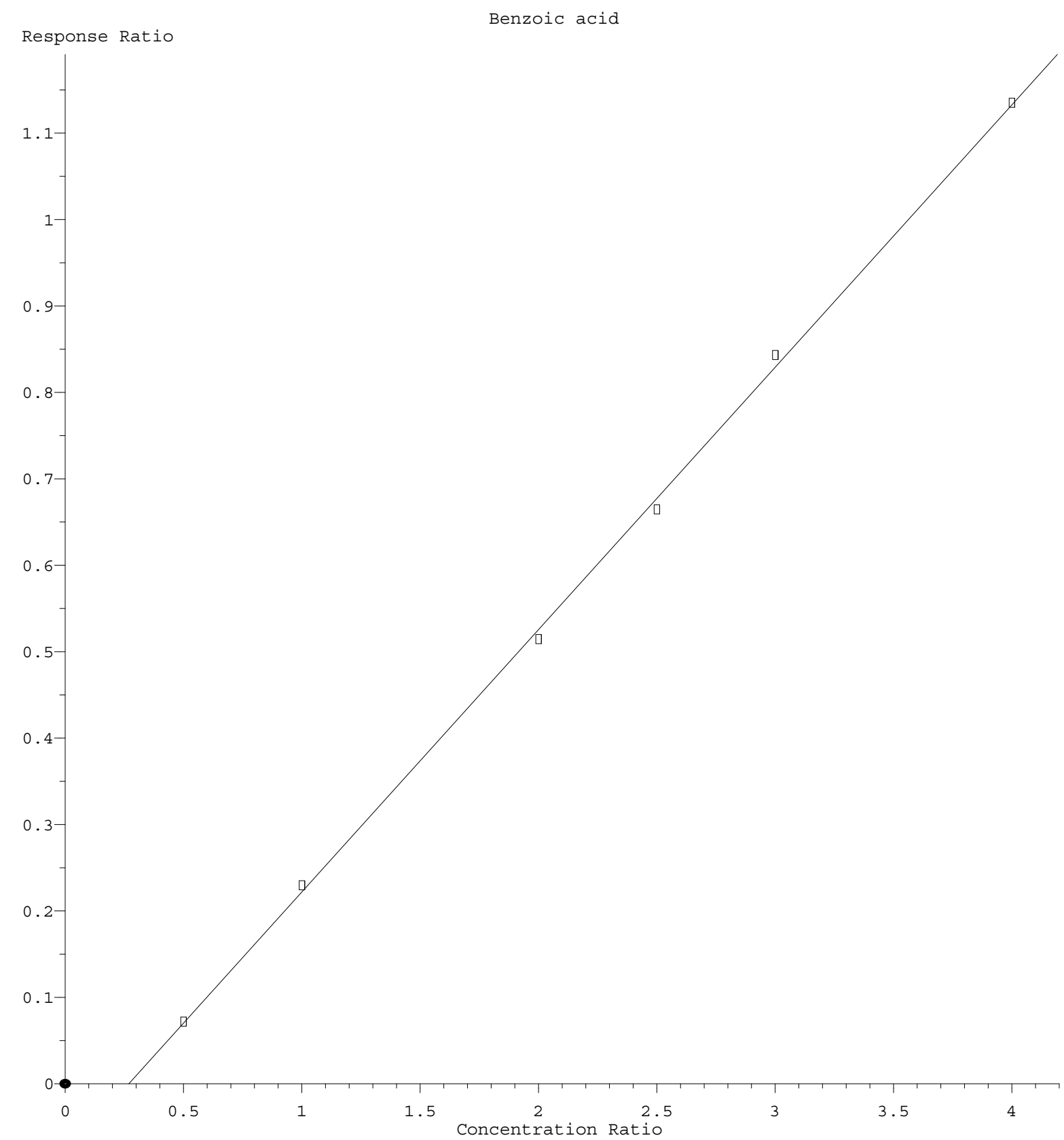
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.280	1.243	1.282	1.306	1.214	1.262	1.239	1.261	2.46
88)		Benzo(b)fluora...	1.116	1.113	1.185	1.200	1.118	1.197	1.186	1.159	3.56
89)		Benzo(k)fluora...	1.098	1.094	1.140	1.154	1.077	1.102	1.076	1.106	2.72
90)	C	Benzo(a)pyrene	0.940	0.941	1.018	1.045	0.979	1.034	1.016	0.996	4.35
91)		Dibenzo(a,h)an...	1.065	1.025	1.062	1.066	0.983	1.032	1.015	1.035	3.02
92)		Benzo(g,h,i)pe...	1.095	1.062	1.093	1.132	1.048	1.091	1.077	1.085	2.50

(#) = Out of Range



Response = 3.038e-001 * Amt - 8.171e-002
Coef of Det (r^2) = 0.999282 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090924.M
Calibration Table Last Updated: Tue Sep 10 00:09:47 2024