Response Factor Report BNA_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE091724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 17 16:03:42 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101344.D 5 =BE101345.D 10 =BE101346.D 20 =BE101347.D 40 =BE101348.D 50 =BE101349.D 60 =BE101350.D 80 =BE1013
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.471	0.435	0.454	0.426	0.423	0.435	0.405	0.436	4.94
3)		Pyridine		1.070	1.160	1.263	1.314	1.302	1.353	1.320	1.255	8.17
4)		n-Nitrosodimet...		0.433	0.404	0.460	0.454	0.469	0.476	0.460	0.451	5.52
5)	S	2-Fluorophenol		1.148	1.112	1.158	1.144	1.138	1.185	1.123	1.144	2.09
6)		Aniline		1.352	1.373	1.321	1.343	1.314	1.407	1.413	1.360	2.88
7)	S	Phenol-d6		1.520	1.519	1.619	1.664	1.658	1.712	1.658	1.622	4.61
8)		2-Chlorophenol		1.361	1.330	1.375	1.377	1.371	1.430	1.379	1.375	2.17
9)		Benzaldehyde		0.738	0.837	0.873	0.787	0.718	0.689	0.575	0.745	13.35
10)	C	Phenol		1.439	1.715	1.819	1.842	1.861	1.936	1.864	1.782	9.27
11)		bis(2-Chloroet...		1.495	1.511	1.591	1.602	1.374	1.573	1.413	1.508	5.86
12)		1,3-Dichlorobe...		1.595	1.514	1.511	1.452	1.422	1.463	1.384	1.477	4.71
13)	C	1,4-Dichlorobe...		1.632	1.557	1.528	1.484	1.448	1.476	1.410	1.505	4.91
14)		1,2-Dichlorobe...		1.581	1.510	1.522	1.474	1.455	1.490	1.408	1.491	3.67
15)		Benzyl Alcohol		0.739	0.798	0.971	1.052	1.058	1.098	1.044	0.966	14.59
16)		2,2'-oxybis(1-...		2.012	1.918	1.948	1.886	1.851	1.897	1.796	1.901	3.62
17)		2-Methylphenol		1.078	1.080	1.188	1.214	1.213	1.276	1.218	1.181	6.31
18)		Hexachloroethane		0.494	0.473	0.502	0.494	0.488	0.511	0.485	0.492	2.47
19)	P	n-Nitroso-di-n...	0.933	0.990	1.096	1.188	1.225	1.239	1.275	1.209	1.144	10.92
20)		3+4-Methylphenols		1.510	1.482	1.640	1.732	1.736	1.804	1.728	1.662	7.39
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.446	0.451	0.469	0.474	0.466	0.481	0.459	0.464	2.70
23)	S	Nitrobenzene-d5		0.288	0.295	0.320	0.324	0.325	0.334	0.322	0.315	5.39
24)		Nitrobenzene		0.323	0.320	0.341	0.343	0.340	0.350	0.340	0.337	3.34
25)		Isophorone		0.591	0.605	0.650	0.672	0.663	0.685	0.655	0.646	5.40
26)	C	2-Nitrophenol		0.129	0.134	0.154	0.167	0.170	0.180	0.178	0.159	12.96
27)		2,4-Dimethylph...		0.187	0.193	0.205	0.210	0.207	0.216	0.211	0.204	5.13
28)		bis(2-Chloroet...		0.364	0.386	0.402	0.400	0.393	0.402	0.387	0.391	3.45
29)	C	2,4-Dichloroph...		0.253	0.259	0.277	0.289	0.286	0.300	0.292	0.279	6.19
30)		1,2,4-Trichlor...		0.313	0.303	0.306	0.298	0.293	0.304	0.296	0.302	2.29
31)		Naphthalene		1.083	1.031	1.030	1.001	0.979	0.996	0.943	1.009	4.40
32)		Benzoic acid			0.119	0.156	0.202	0.209	0.226	0.238	0.192	23.75
33)		4-Chloroaniline		0.355	0.364	0.387	0.401	0.395	0.408	0.393	0.386	4.99
34)	C	Hexachlorobuta...		0.187	0.174	0.178	0.174	0.169	0.175	0.171	0.175	3.33
35)		Caprolactam		0.090	0.105	0.110	0.121	0.120	0.124	0.120	0.113	10.61
36)	C	4-Chloro-3-met...		0.290	0.314	0.333	0.342	0.340	0.350	0.341	0.330	6.34
37)		2-Methylnaphth...		0.767	0.737	0.746	0.741	0.729	0.741	0.705	0.738	2.50
38)		1-Methylnaphth...		0.772	0.748	0.748	0.744	0.729	0.740	0.702	0.740	2.88

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.496	0.465	0.486	0.478	0.475	0.490	0.483	0.482	2.13
41)	P	Hexachlorocycl...	0.136	0.135	0.162	0.167	0.164	0.171	0.171	0.158	9.95
42)	S	2,4,6-Tribromo...	0.318	0.330	0.345	0.344	0.341	0.346	0.331	0.336	3.15
43)	C	2,4,6-Trichlor...	0.299	0.321	0.344	0.352	0.353	0.361	0.359	0.341	6.67
44)		2,4,5-Trichlor...	0.342	0.354	0.388	0.395	0.400	0.410	0.405	0.385	6.85
45)	S	2-Fluorobiphenyl	1.319	1.255	1.249	1.158	1.105	1.062	0.952	1.157	11.04
46)		1,1'-Biphenyl	1.451	1.380	1.410	1.346	1.323	1.327	1.250	1.355	4.86
47)		2-Chloronaphth...	1.113	1.062	1.093	1.061	1.048	1.067	1.019	1.066	2.84
48)		2-Nitroaniline	0.215	0.238	0.291	0.311	0.312	0.323	0.318	0.287	14.99
49)		Acenaphthylene	1.636	1.619	1.664	1.596	1.573	1.573	1.474	1.591	3.86
50)		Dimethylphthalate	1.568	1.532	1.515	1.428	1.394	1.381	1.283	1.443	6.98
51)		2,6-Dinitrotol...	0.289	0.309	0.332	0.331	0.331	0.338	0.329	0.323	5.41
52)	C	Acenaphthene	1.134	1.069	1.082	1.042	1.026	1.024	0.964	1.049	5.07
53)		3-Nitroaniline	0.259	0.311	0.340	0.350	0.355	0.363	0.348	0.332	10.96
54)	P	2,4-Dinitrophenol		0.135	0.173	0.201	0.210	0.216	0.218	0.192	16.87
55)		Dibenzofuran	1.813	1.743	1.748	1.635	1.605	1.584	1.466	1.656	7.19
56)	P	4-Nitrophenol	0.205	0.247	0.288	0.292	0.294	0.309	0.298	0.276	13.32
57)		2,4-Dinitrotol...	0.348	0.410	0.455	0.461	0.467	0.473	0.463	0.440	10.31
58)		Fluorene	1.507	1.460	1.470	1.392	1.370	1.338	1.232	1.396	6.74
59)		2,3,4,6-Tetrac...	0.343	0.356	0.370	0.369	0.366	0.378	0.365	0.364	3.09
60)		Diethylphthalate	1.615	1.607	1.585	1.502	1.446	1.425	1.302	1.497	7.70
61)		4-Chlorophenyl...	0.727	0.701	0.707	0.680	0.669	0.672	0.635	0.685	4.41
62)		4-Nitroaniline	0.245	0.312	0.364	0.374	0.378	0.381	0.369	0.346	14.51
63)		Azobenzene	1.309	1.349	1.356	1.288	1.256	1.243	1.155	1.279	5.43
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.103	0.118	0.120	0.128	0.128	0.114	14.68
66)	c	n-Nitrosodiphe...	0.551	0.535	0.548	0.542	0.525	0.530	0.501	0.533	3.16
67)		4-Bromophenyl-...	0.209	0.201	0.207	0.210	0.205	0.214	0.209	0.208	1.95
68)		Hexachlorobenzene	0.269	0.262	0.266	0.273	0.267	0.276	0.267	0.269	1.64
69)		Atrazine	0.191	0.195	0.189	0.176	0.166	0.164	0.151	0.176	9.33
70)	C	Pentachlorophenol	0.122	0.142	0.155	0.172	0.172	0.182	0.178	0.160	13.68
71)		Phenanthrene	1.058	1.022	1.005	0.956	0.917	0.893	0.798	0.950	9.34
72)		Anthracene	0.982	0.974	0.984	0.945	0.902	0.887	0.797	0.924	7.36
73)		Carbazole	1.008	1.008	1.010	0.959	0.921	0.903	0.820	0.947	7.53
74)		Di-n-butylphth...	1.077	1.152	1.166	1.081	1.004	0.958	0.843	1.040	10.98
75)	C	Fluoranthene	1.331	1.288	1.259	1.153	1.064	1.025	0.885	1.144	14.14
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.326	0.342	0.342	0.391	0.342	0.375	0.206	0.332	18.12
78)		Pyrene	1.234	1.213	1.208	1.126	1.068	1.027	0.911	1.112	10.62
79)	S	Terphenyl-d14	1.063	1.028	0.960	0.767	0.692			0.902	18.17
80)		Butylbenzylpht...	0.455	0.479	0.517	0.514	0.503	0.507	0.471	0.492	4.85
81)		Benzo(a)anthra...	1.271	1.245	1.248	1.137	1.059	1.008	0.895	1.123	12.69
82)		3,3'-Dichlorob...	0.389	0.424	0.466	0.475	0.458	0.458	0.411	0.440	7.33
83)		Chrysene	1.256	1.220	1.199	1.069	0.999	0.960	0.850	1.079	14.10
84)		Bis(2-ethylhex...	0.596	0.641	0.703	0.692	0.669	0.656	0.602	0.651	6.35
85)	c	Di-n-octyl pht...	1.072	1.120	1.198	1.105	1.057	1.001	0.887	1.063	9.28

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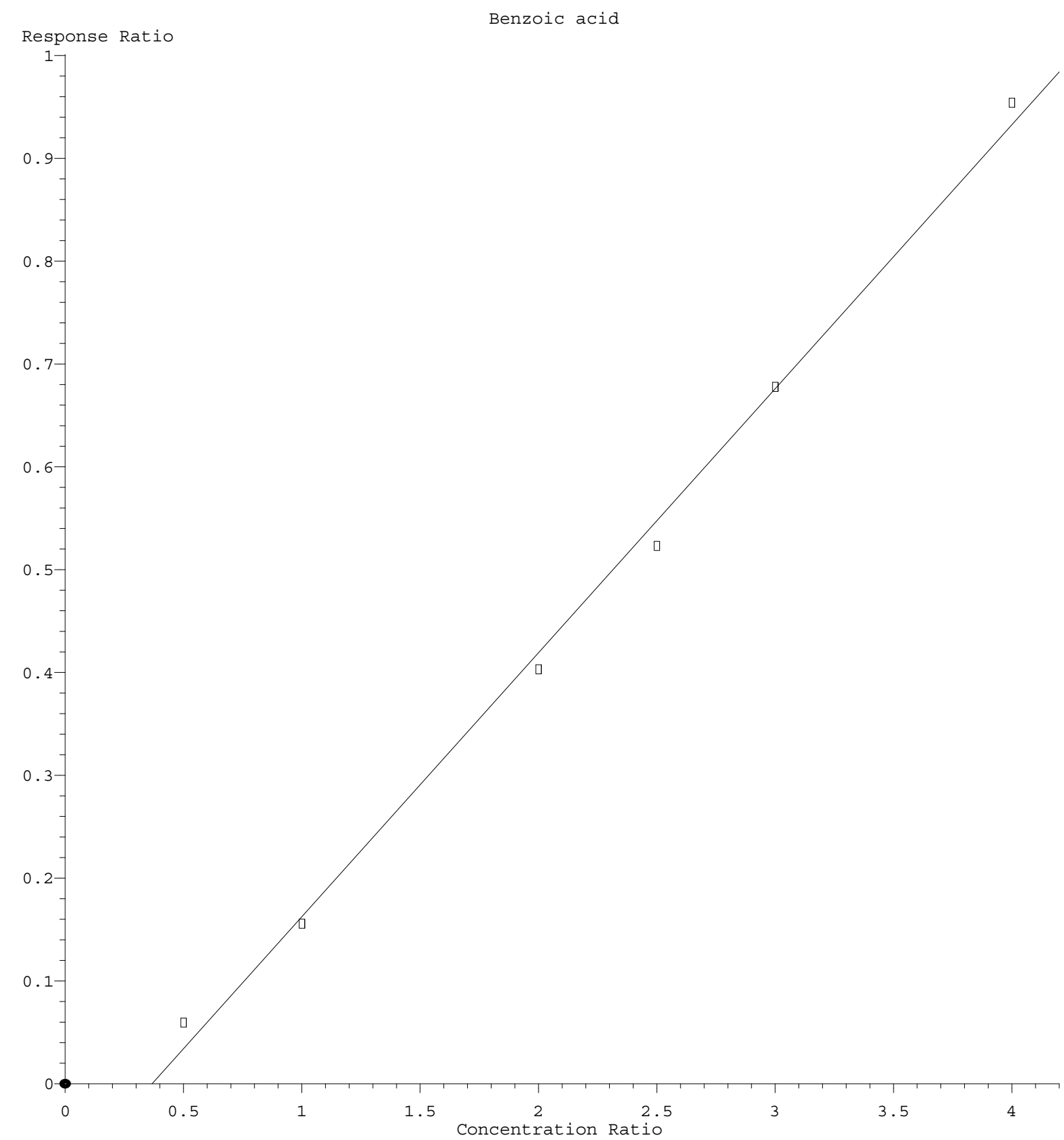
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.344	1.347	1.377	1.341	1.309	1.292	1.214	1.318	4.06
88)		Benzo(b)fluora...	1.150	1.122	1.120	1.040	0.980	0.968	0.870	1.036	9.87
89)		Benzo(k)fluora...	1.059	1.059	1.062	0.988	0.956	0.907	0.812	0.978	9.65
90)	C	Benzo(a)pyrene	0.944	0.946	0.965	0.929	0.905	0.889	0.820	0.914	5.33
91)		Dibenzo(a,h)an...	1.124	1.133	1.158	1.140	1.100	1.079	0.989	1.103	5.16
92)		Benzo(g,h,i)pe...	1.145	1.116	1.147	1.137	1.112	1.124	1.060	1.120	2.65

(#) = Out of Range



Response = 2.568e-001 * Amt - 9.430e-002
Coef of Det (r^2) = 0.996357 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-BE091724.M
Calibration Table Last Updated: Tue Sep 17 16:03:42 2024