Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047140.D 5 =BM047141.D 10 =BM047142.D 20 =BM047143.D 40 =BM047144.D 50 =BM047145.D 60 =BM047146.D 80 =BM0471
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.519	0.490	0.495	0.438	0.436	0.442	0.426	0.464	7.88
3)		Pyridine		1.448	1.390	1.458	1.302	1.299	1.322	1.301	1.360	5.22
4)		n-Nitrosodimet...		0.643	0.612	0.629	0.570	0.564	0.583	0.558	0.594	5.71
5)	S	2-Fluorophenol		1.215	1.184	1.197	1.071	1.050	1.071	1.046	1.119	6.73
6)		Aniline		1.546	1.516	1.583	1.428	1.401	1.395	1.334	1.458	6.27
7)	S	Phenol-d6		1.643	1.599	1.652	1.478	1.470	1.494	1.462	1.542	5.52
8)		2-Chlorophenol		1.306	1.271	1.324	1.185	1.167	1.166	1.127	1.221	6.38
9)		Benzaldehyde		1.187	1.048	1.024	0.776	0.750	0.641		0.904	23.43
10)	C	Phenol		1.695	1.600	1.645	1.453	1.450	1.477	1.453	1.539	6.80
11)		bis(2-Chloroet...		1.431	1.361	1.407	1.283	1.267	1.266	1.211	1.318	6.24
12)		1,3-Dichlorobe...		1.567	1.506	1.537	1.408	1.394	1.393	1.350	1.451	5.81
13)	C	1,4-Dichlorobe...		1.581	1.532	1.562	1.429	1.405	1.412	1.360	1.469	5.95
14)		1,2-Dichlorobe...		1.526	1.468	1.514	1.314	1.308	1.309	1.261	1.386	8.10
15)		Benzyl Alcohol		1.083	1.074	1.189	1.098	1.076	1.101	1.063	1.098	3.88
16)		2,2'-oxybis(1-...		1.904	1.777	1.859	1.659	1.616	1.547	1.477	1.691	9.48
17)		2-Methylphenol		1.064	1.055	1.115	1.003	0.998	0.993	0.959	1.027	5.20
18)		Hexachloroethane		0.609	0.577	0.600	0.551	0.553	0.560	0.533	0.569	4.84
19)	P	n-Nitroso-di-n...	1.087	1.169	1.095	1.138	0.982	0.965	0.959	0.916	1.039	9.12
20)		3+4-Methylphenols		1.462	1.442	1.570	1.411	1.405	1.405	1.352	1.435	4.77
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.547	0.517	0.510	0.462	0.450	0.452	0.441	0.483	8.55
23)	S	Nitrobenzene-d5		0.423	0.417	0.420	0.390	0.378	0.382	0.372	0.397	5.53
24)		Nitrobenzene		0.425	0.427	0.428	0.393	0.380	0.378	0.369	0.400	6.44
25)		Isophorone		0.712	0.706	0.732	0.688	0.668	0.679	0.656	0.692	3.84
26)	C	2-Nitrophenol		0.156	0.166	0.180	0.182	0.182	0.189	0.185	0.177	6.56
27)		2,4-Dimethylph...		0.200	0.209	0.217	0.209	0.206	0.209	0.204	0.207	2.64
28)		bis(2-Chloroet...		0.461	0.461	0.458	0.435	0.421	0.414	0.396	0.435	5.97
29)	C	2,4-Dichloroph...		0.289	0.300	0.318	0.312	0.310	0.317	0.308	0.308	3.28
30)		1,2,4-Trichlor...		0.357	0.352	0.359	0.346	0.340	0.347	0.337	0.348	2.34
31)		Naphthalene		1.075	1.041	1.042	0.966	0.949	0.964	0.938	0.996	5.48
32)		Benzoic acid		0.182	0.212	0.240	0.251	0.262	0.273	0.268	0.241	13.75
33)		4-Chloroaniline		0.382	0.393	0.409	0.385	0.374	0.375	0.364	0.383	3.81
34)	C	Hexachlorobuta...		0.199	0.200	0.207	0.203	0.203	0.211	0.206	0.204	2.03
35)		Caprolactam		0.098	0.103	0.112	0.109	0.107	0.110	0.109	0.107	4.45
36)	C	4-Chloro-3-met...		0.320	0.324	0.347	0.328	0.323	0.330	0.324	0.328	2.73
37)		2-Methylnaphth...		0.741	0.731	0.742	0.689	0.681	0.698	0.685	0.709	3.85
38)		1-Methylnaphth...		0.737	0.726	0.735	0.681	0.668	0.690	0.671	0.701	4.34

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.539	0.531	0.554	0.543	0.546	0.559	0.546	0.546	1.70
41)	P	Hexachlorocycl...	0.160	0.180	0.191	0.200	0.199	0.209	0.195	0.190	8.53
42)	S	2,4,6-Tribromo...	0.222	0.233	0.248	0.232	0.228	0.234	0.226	0.232	3.60
43)	C	2,4,6-Trichlor...	0.355	0.372	0.394	0.399	0.394	0.404	0.396	0.388	4.52
44)		2,4,5-Trichlor...	0.410	0.410	0.438	0.437	0.436	0.447	0.435	0.430	3.37
45)	S	2-Fluorobiphenyl	1.406	1.341	1.336	1.265	1.247	1.261	1.220	1.297	5.09
46)		1,1'-Biphenyl	1.538	1.482	1.479	1.388	1.361	1.387	1.332	1.424	5.32
47)		2-Chloronaphth...	1.197	1.169	1.176	1.071	1.060	1.074	1.043	1.113	5.84
48)		2-Nitroaniline	0.323	0.346	0.367	0.357	0.352	0.354	0.343	0.349	3.94
49)		Acenaphthylene	1.719	1.699	1.732	1.602	1.575	1.602	1.554	1.640	4.50
50)		Dimethylphthalate	1.472	1.433	1.468	1.379	1.343	1.365	1.318	1.397	4.38
51)		2,6-Dinitrotol...	0.311	0.325	0.337	0.328	0.326	0.335	0.323	0.327	2.62
52)	C	Acenaphthene	1.115	1.079	1.086	1.008	0.991	1.017	0.988	1.041	4.94
53)		3-Nitroaniline	0.310	0.317	0.344	0.331	0.328	0.337	0.325	0.327	3.53
54)	P	2,4-Dinitrophenol		0.152	0.185	0.204	0.204	0.218	0.212	0.196	12.27
55)		Dibenzofuran	1.790	1.731	1.728	1.579	1.559	1.584	1.535	1.644	6.22
56)	P	4-Nitrophenol	0.247	0.268	0.293	0.293	0.291	0.296	0.287	0.282	6.42
57)		2,4-Dinitrotol...	0.400	0.435	0.460	0.441	0.440	0.445	0.430	0.436	4.19
58)		Fluorene	1.469	1.428	1.426	1.309	1.290	1.306	1.265	1.356	6.03
59)		2,3,4,6-Tetrac...	0.333	0.345	0.369	0.355	0.354	0.366	0.355	0.354	3.44
60)		Diethylphthalate	1.505	1.486	1.506	1.398	1.365	1.388	1.337	1.426	4.95
61)		4-Chlorophenyl...	0.681	0.663	0.663	0.621	0.619	0.645	0.627	0.646	3.76
62)		4-Nitroaniline	0.300	0.324	0.346	0.319	0.317	0.329	0.321	0.322	4.24
63)		Azobenzene	1.455	1.445	1.457	1.314	1.280	1.285	1.232	1.352	7.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.092	0.107	0.120	0.125	0.126	0.128	0.122	0.117	11.31
66)	c	n-Nitrosodiphe...	0.570	0.561	0.573	0.536	0.526	0.532	0.515	0.545	4.22
67)		4-Bromophenyl-...	0.190	0.190	0.198	0.191	0.191	0.198	0.191	0.193	1.90
68)		Hexachlorobenzene	0.236	0.234	0.240	0.229	0.226	0.229	0.221	0.231	2.73
69)		Atrazine	0.183	0.186	0.182	0.170	0.152	0.145	0.129	0.164	13.50
70)	C	Pentachlorophenol	0.141	0.152	0.165	0.168	0.166	0.174	0.166	0.162	6.91
71)		Phenanthrene	1.090	1.035	1.036	0.976	0.967	0.974	0.949	1.004	5.05
72)		Anthracene	1.024	1.000	1.026	0.953	0.946	0.961	0.926	0.977	4.10
73)		Carbazole	1.071	1.041	1.052	0.971	0.954	0.959	0.933	0.997	5.55
74)		Di-n-butylphth...	1.175	1.187	1.223	1.165	1.134	1.140	1.098	1.160	3.50
75)	C	Fluoranthene	1.294	1.239	1.255	1.199	1.179	1.207	1.172	1.221	3.62
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.226	0.190	0.373	0.489	0.370	0.389	0.337	0.339	29.96
78)		Pyrene	1.456	1.398	1.443	1.425	1.414	1.446	1.414	1.428	1.46
79)	S	Terphenyl-d14	0.924	0.916	0.958	0.937	0.928	0.948	0.922	0.933	1.62
80)		Butylbenzylpht...	0.511	0.552	0.600	0.608	0.599	0.616	0.595	0.583	6.48
81)		Benzo(a)anthra...	1.390	1.331	1.364	1.300	1.291	1.324	1.293	1.328	2.85
82)		3,3'-Dichlorob...	0.373	0.390	0.439	0.443	0.427	0.426	0.409	0.415	6.23
83)		Chrysene	1.350	1.283	1.301	1.224	1.214	1.234	1.211	1.260	4.21
84)		Bis(2-ethylhex...	0.771	0.808	0.867	0.845	0.832	0.846	0.816	0.826	3.81
85)	c	Di-n-octyl pht...	1.212	1.316	1.430	1.457	1.450	1.503	1.466	1.405	7.33

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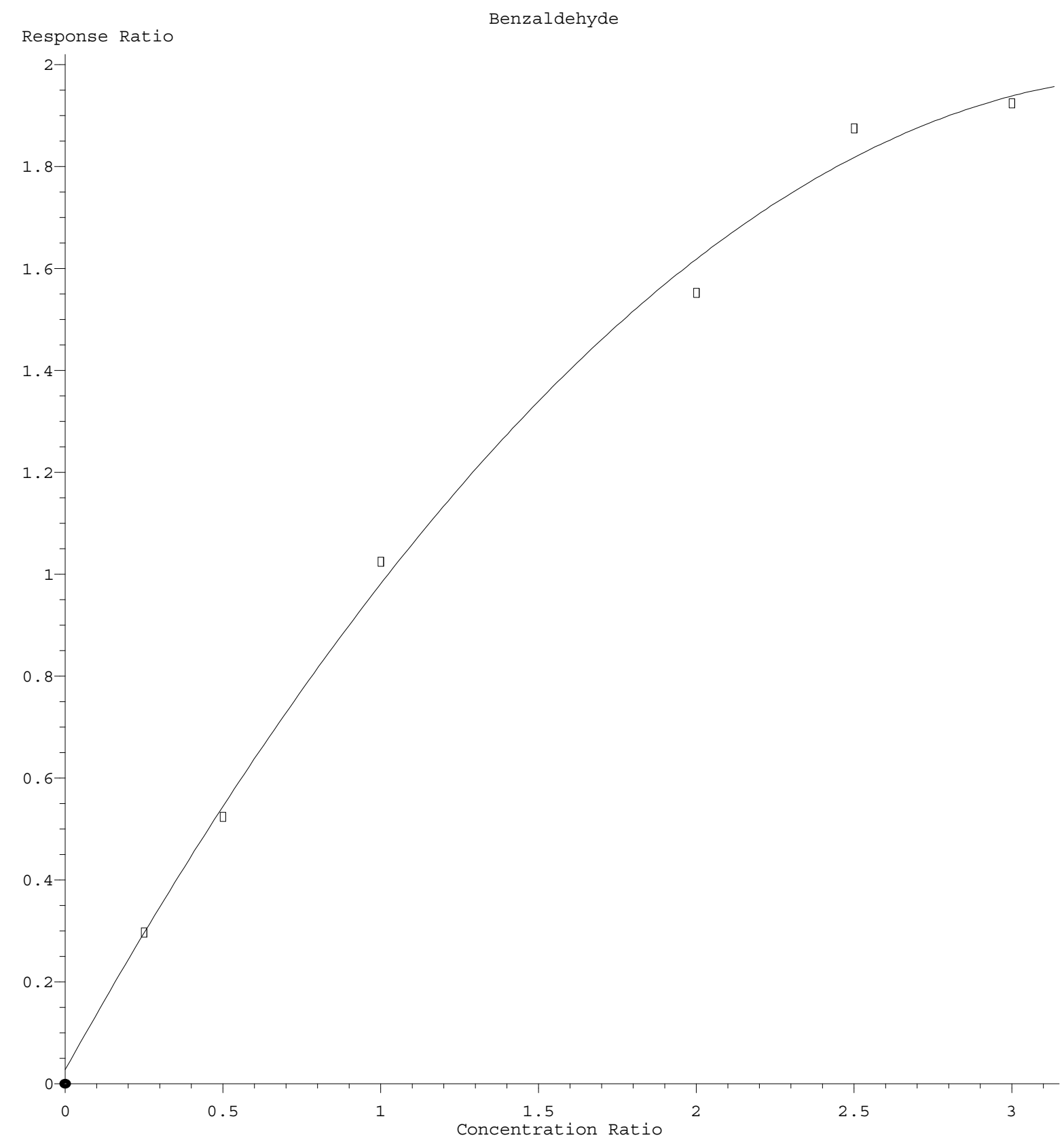
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.326	1.280	1.366	1.279	1.278	1.227	1.294	1.293	3.38
88)		Benzo(b)fluora...	1.182	1.200	1.222	1.161	1.179	1.207	1.164	1.188	1.91
89)		Benzo(k)fluora...	1.192	1.134	1.175	1.097	1.059	1.116	1.080	1.122	4.35
90)	C	Benzo(a)pyrene	1.014	1.015	1.066	1.024	1.012	1.046	1.025	1.029	1.93
91)		Dibenzo(a,h)an...	1.096	1.051	1.119	1.021	1.021	0.986	1.029	1.046	4.44
92)		Benzo(g,h,i)pe...	1.119	1.082	1.162	1.076	1.082	1.005	1.077	1.086	4.41

(#) = Out of Range



R = -1.583e-001 A*A + 1.112e+000 A + 2.780e-002
Coef of Det (r^2) = 0.995802 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM081024.M
Calibration Table Last Updated: Sun Aug 11 23:47:58 2024