Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 26 18:11:40 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047344.D 5 =BM047345.D 10 =BM047346.D 20 =BM047347.D 40 =BM047348.D 50 =BM047349.D 60 =BM047350.D 80 =BM0473
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.453	0.449	0.424	0.390	0.402	0.389	0.427	8.19
3)		Pyridine		1.216	1.177	1.260	1.199	1.133	1.176	1.129	1.184	3.89
4)		n-Nitrosodimet...		0.483	0.481	0.511	0.495	0.462	0.481	0.464	0.482	3.52
5)	S	2-Fluorophenol		1.147	1.083	1.102	1.042	0.963	0.995	0.965	1.042	6.85
6)		Aniline		1.333	1.336	1.435	1.326	1.239	1.268	1.065	1.286	8.97
7)	S	Phenol-d6		1.441	1.447	1.508	1.436	1.356	1.390	1.363	1.420	3.79
8)		2-Chlorophenol		1.236	1.207	1.249	1.171	1.099	1.127	1.078	1.167	5.77
9)		Benzaldehyde		1.024	0.958	0.926	0.756	0.666	0.618	0.532	0.783	24.14
10)	C	Phenol		1.415	1.436	1.487	1.403	1.325	1.369	1.345	1.397	4.01
11)		bis(2-Chloroet...		1.262	1.223	1.275	1.225	1.160	1.182	1.150	1.211	4.02
12)		1,3-Dichlorobe...		1.552	1.471	1.494	1.451	1.336	1.372	1.310	1.427	6.24
13)	C	1,4-Dichlorobe...		1.559	1.496	1.523	1.468	1.356	1.387	1.326	1.445	6.17
14)		1,2-Dichlorobe...		1.486	1.439	1.478	1.386	1.271	1.296	1.230	1.369	7.61
15)		Benzyl Alcohol		0.851	0.921	1.060	1.031	0.999	1.028	1.001	0.985	7.43
16)		2,2'-oxybis(1-...		1.472	1.512	1.580	1.501	1.398	1.402	1.298	1.452	6.42
17)		2-Methylphenol		0.928	0.958	1.063	1.007	0.951	0.966	0.922	0.971	5.08
18)		Hexachloroethane		0.570	0.544	0.576	0.549	0.515	0.526	0.501	0.540	5.12
19)	P	n-Nitroso-di-n...	1.043	0.975	1.017	1.083	0.971	0.918	0.928	0.875	0.976	7.11
20)		3+4-Methylphenols		1.272	1.334	1.473	1.400	1.328	1.351	1.288	1.350	5.09
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.498	0.485	0.484	0.471	0.433	0.450	0.428	0.464	5.90
23)	S	Nitrobenzene-d5		0.370	0.371	0.375	0.374	0.341	0.353	0.339	0.360	4.38
24)		Nitrobenzene		0.383	0.377	0.389	0.388	0.351	0.363	0.344	0.371	4.95
25)		Isophorone		0.698	0.680	0.729	0.701	0.652	0.674	0.636	0.681	4.62
26)	C	2-Nitrophenol		0.165	0.172	0.188	0.195	0.181	0.192	0.184	0.182	5.95
27)		2,4-Dimethylph...		0.200	0.202	0.217	0.214	0.201	0.208	0.199	0.206	3.54
28)		bis(2-Chloroet...		0.427	0.424	0.442	0.433	0.397	0.409	0.388	0.417	4.68
29)	C	2,4-Dichloroph...		0.283	0.308	0.333	0.342	0.318	0.332	0.319	0.319	6.22
30)		1,2,4-Trichlor...		0.385	0.372	0.379	0.380	0.353	0.364	0.349	0.369	3.79
31)		Naphthalene		1.035	1.011	1.017	0.991	0.917	0.958	0.910	0.977	5.07
32)		Benzoic acid			0.205	0.247	0.258	0.250	0.263	0.252	0.246	8.52
33)		4-Chloroaniline		0.349	0.358	0.388	0.378	0.355	0.369	0.345	0.363	4.33
34)	C	Hexachlorobuta...		0.235	0.227	0.236	0.239	0.220	0.231	0.224	0.230	2.95
35)		Caprolactam		0.101	0.094	0.116	0.105	0.103	0.106	0.099	0.103	6.59
36)	C	4-Chloro-3-met...		0.310	0.314	0.353	0.337	0.319	0.328	0.308	0.324	5.03
37)		2-Methylnaphth...		0.726	0.726	0.754	0.725	0.679	0.704	0.672	0.712	4.07
38)		1-Methylnaphth...		0.726	0.723	0.748	0.717	0.666	0.694	0.657	0.704	4.74

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.599	0.590	0.587	0.622	0.569	0.592	0.586	0.592	2.68
41)	P	Hexachlorocycl...		0.154	0.173	0.205	0.189	0.198	0.202	0.187	10.65
42)	S	2,4,6-Tribromo...	0.250	0.239	0.262	0.246	0.232	0.236	0.224	0.241	5.10
43)	C	2,4,6-Trichlor...	0.382	0.387	0.415	0.428	0.402	0.416	0.412	0.406	4.09
44)		2,4,5-Trichlor...	0.433	0.434	0.463	0.474	0.443	0.459	0.449	0.451	3.43
45)	S	2-Fluorobiphenyl	1.419	1.345	1.315	1.341	1.221	1.249	1.222	1.302	5.68
46)		1,1'-Biphenyl	1.494	1.433	1.423	1.432	1.312	1.351	1.330	1.397	4.76
47)		2-Chloronaphth...	1.170	1.129	1.128	1.116	1.027	1.056	1.035	1.094	5.02
48)		2-Nitroaniline	0.293	0.296	0.328	0.324	0.301	0.309	0.296	0.307	4.66
49)		Acenaphthylene	1.665	1.626	1.661	1.641	1.502	1.543	1.497	1.591	4.66
50)		Dimethylphthalate	1.462	1.385	1.457	1.401	1.313	1.344	1.285	1.378	4.93
51)		2,6-Dinitrotol...	0.317	0.309	0.340	0.334	0.315	0.322	0.309	0.321	3.72
52)	C	Acenaphthene	1.065	1.037	1.045	1.030	0.951	0.984	0.955	1.010	4.54
53)		3-Nitroaniline	0.279	0.278	0.321	0.311	0.293	0.302	0.289	0.296	5.35
54)	P	2,4-Dinitrophenol		0.152	0.198	0.208	0.206	0.210	0.211	0.198	11.51
55)		Dibenzofuran	1.763	1.679	1.701	1.653	1.518	1.562	1.508	1.626	6.02
56)	P	4-Nitrophenol		0.187	0.245	0.240	0.237	0.245	0.236	0.231	9.67
57)		2,4-Dinitrotol...	0.416	0.410	0.457	0.426	0.403	0.409	0.386	0.415	5.31
58)		Fluorene	1.447	1.352	1.398	1.332	1.235	1.256	1.194	1.316	6.97
59)		2,3,4,6-Tetrac...	0.363	0.355	0.395	0.383	0.364	0.373	0.360	0.370	3.90
60)		Diethylphthalate	1.461	1.355	1.487	1.375	1.289	1.307	1.242	1.359	6.61
61)		4-Chlorophenyl...	0.729	0.673	0.698	0.675	0.633	0.648	0.632	0.670	5.33
62)		4-Nitroaniline	0.255	0.252	0.314	0.286	0.272	0.276	0.263	0.274	7.82
63)		Azobenzene	1.228	1.221	1.292	1.208	1.119	1.136	1.084	1.184	6.18
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.099	0.109	0.131	0.136	0.126	0.131	0.125	0.123	10.93
66)	c	n-Nitrosodiphe...	0.559	0.567	0.565	0.574	0.517	0.533	0.517	0.547	4.45
67)		4-Bromophenyl-...	0.211	0.213	0.216	0.221	0.201	0.210	0.206	0.211	3.10
68)		Hexachlorobenzene	0.254	0.247	0.249	0.254	0.232	0.238	0.232	0.244	3.89
69)		Atrazine	0.198	0.193	0.195	0.161	0.148		0.179		12.73
70)	C	Pentachlorophenol	0.138	0.148	0.164	0.170	0.157	0.164	0.162	0.158	6.90
71)		Phenanthrene	1.034	1.006	1.004	0.997	0.915	0.935	0.907	0.971	5.25
72)		Anthracene	0.980	0.984	0.990	0.982	0.893	0.916	0.883	0.947	5.01
73)		Carbazole	0.969	0.927	0.970	0.939	0.846	0.869	0.841	0.909	6.14
74)		Di-n-butylphth...	1.155	1.117	1.201	1.154	1.039	1.058	1.023	1.106	6.13
75)	C	Fluoranthene	1.269	1.170	1.215	1.163	1.039	1.073	1.053	1.140	7.68
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.298	0.251	0.259	0.507	0.206	0.410	0.407	0.334	32.62
78)		Pyrene	1.480	1.491	1.575	1.598	1.526	1.564	1.503	1.534	2.98
79)	S	Terphenyl-d14	1.074	1.100	1.170	1.176	1.105	1.143	1.096	1.124	3.52
80)		Butylbenzylpht...	0.551	0.567	0.631	0.642	0.597	0.622	0.592	0.600	5.63
81)		Benzo(a)anthra...	1.337	1.284	1.355	1.356	1.241	1.296	1.261	1.304	3.52
82)		3,3'-Dichlorob...	0.457	0.431	0.459	0.479	0.393	0.436	0.417	0.439	6.56
83)		Chrysene	1.283	1.230	1.259	1.266	1.156	1.213	1.180	1.227	3.82
84)		Bis(2-ethylhex...	0.856	0.828	0.874	0.892	0.821	0.848	0.819	0.848	3.28
85)	c	Di-n-octyl pht...	1.457	1.372	1.398	1.521	1.383	1.446	1.418	1.428	3.61

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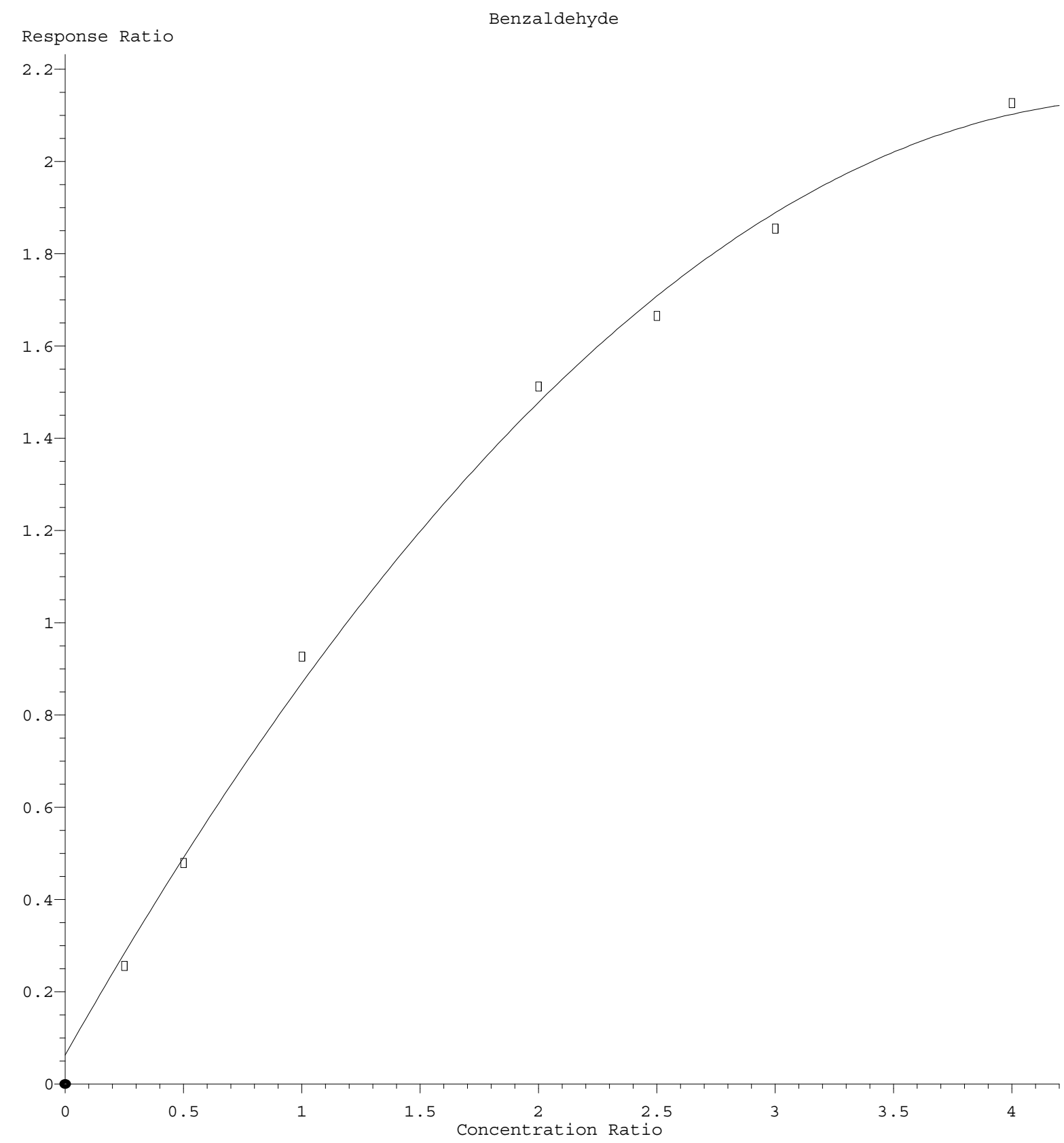
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.317	1.245	1.213	1.314	1.194	1.246	1.234	1.252	3.77
88)		Benzo(b)fluora...	1.154	1.156	1.219	1.216	1.131	1.151	1.141	1.167	3.05
89)		Benzo(k)fluora...	1.161	1.123	1.183	1.130	1.032	1.089	1.026	1.106	5.46
90)	C	Benzo(a)pyrene	1.024	1.002	1.040	1.053	0.963	1.005	0.978	1.009	3.21
91)		Dibenzo(a,h)an...	1.078	1.021	0.993	1.061	0.959	1.003	0.984	1.014	4.20
92)		Benzo(g,h,i)pe...	1.111	1.036	1.012	1.110	1.005	1.065	1.043	1.054	4.09

(#) = Out of Range



R = -9.880e-002 A*A + 9.050e-001 A + 6.301e-002
Coef of Det (r^2) = 0.997086 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM082624.M
Calibration Table Last Updated: Mon Aug 26 18:11:40 2024