Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Apr 22 03:30:56 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF132965.D 5 =BF132966.D 10 =BF132967.D 20 =BF132968.D 40 =BF132969.D 50 =BF132970.D 60 =BF132971.D 80 =BF1329
72.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.714	0.644	0.646	0.612	0.569	0.575	0.539	0.614	9.67
3)		Pyridine		1.675	1.643	1.752	1.673	1.573	1.614	1.488	1.631	5.17
4)		n-Nitrosodimet...		0.933	0.888	0.890	0.847	0.789	0.804	0.765	0.845	7.30
5)	S	2-Fluorophenol		1.587	1.456	1.437	1.322	1.200	1.180	1.085	1.324	13.53
6)		Aniline		2.341	2.241	2.314	2.197	2.008	2.006	1.709	2.117	10.60
7)	S	Phenol-d6		1.918	1.800	1.795	1.629	1.504	1.492	1.366	1.643	12.25
8)		2-Chlorophenol		1.575	1.485	1.479	1.354	1.225	1.208	1.084	1.344	13.31
9)		Benzaldehyde			1.115	1.002	0.762	0.683	0.640	0.545	0.791	28.00
10)	C	Phenol		2.117	1.981	1.990	1.822	1.664	1.643	1.474	1.813	12.70
11)		bis(2-Chloroet...		1.563	1.433	1.459	1.366	1.265	1.252	1.185	1.360	9.85
12)		1,3-Dichlorobe...		1.682	1.566	1.562	1.426	1.310	1.287	1.171	1.429	12.82
13)	C	1,4-Dichlorobe...		1.706	1.570	1.567	1.453	1.297	1.279	1.154	1.432	13.71
14)		1,2-Dichlorobe...		1.599	1.477	1.491	1.324	1.187	1.160	1.007	1.321	16.16
15)		Benzyl Alcohol		1.293	1.244	1.263	1.180	1.060	1.020	0.886	1.135	13.27
16)		2,2'-oxybis(1-...		2.695	2.537	2.568	2.379	2.181	2.176	2.004	2.363	10.63
17)		2-Methylphenol		1.399	1.313	1.314	1.238	1.135	1.140	1.078	1.231	9.56
18)		Hexachloroethane		0.562	0.541	0.544	0.500	0.465	0.454	0.419	0.498	10.80
19)	P	n-Nitroso-di-n...	1.129	1.150	1.087	1.086	1.001	0.913	0.933	0.885	1.023	10.15
20)		3+4-Methylphenols		1.803	1.697	1.649	1.438	1.266	1.209	1.085	1.450	18.90
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.563	0.525	0.502	0.454	0.411	0.407	0.381	0.463	14.72
23)	S	Nitrobenzene-d5		0.407	0.381	0.389	0.379	0.350	0.356	0.332	0.371	6.88
24)		Nitrobenzene		0.411	0.391	0.396	0.382	0.359	0.357	0.331	0.375	7.29
25)		Isophorone		0.754	0.706	0.717	0.710	0.665	0.696	0.677	0.704	4.09
26)	C	2-Nitrophenol		0.172	0.172	0.187	0.192	0.181	0.186	0.179	0.181	4.15
27)		2,4-Dimethylph...		0.344	0.320	0.323	0.319	0.289	0.296	0.284	0.311	6.98
28)		bis(2-Chloroet...		0.470	0.437	0.434	0.420	0.391	0.391	0.370	0.416	8.26
29)	C	2,4-Dichloroph...		0.306	0.291	0.299	0.292	0.268	0.271	0.252	0.283	6.83
30)		1,2,4-Trichlor...		0.335	0.305	0.313	0.295	0.273	0.276	0.253	0.293	9.43
31)		Naphthalene		1.196	1.094	1.079	1.011	0.898	0.910	0.811	1.000	13.40
32)		Benzoic acid		0.144	0.152	0.181	0.211	0.214	0.224	0.217	0.192	17.13
33)		4-Chloroaniline		0.456	0.442	0.444	0.402	0.367	0.374	0.341	0.404	11.08
34)	C	Hexachlorobuta...		0.182	0.174	0.172	0.164	0.150	0.153	0.142	0.162	9.08
35)		Caprolactam		0.096	0.093	0.097	0.100	0.092	0.097	0.092	0.095	3.23
36)	C	4-Chloro-3-met...		0.330	0.317	0.316	0.312	0.284	0.298	0.278	0.305	6.30
37)		2-Methylnaphth...		0.823	0.760	0.739	0.689	0.614	0.616	0.545	0.684	14.25
38)		1-Methylnaphth...		0.776	0.702	0.692	0.641	0.578	0.575	0.513	0.640	14.21

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.611	0.578	0.583	0.541	0.495	0.495	0.460	0.538	10.41
41)	P	Hexachlorocycl...	0.286	0.296	0.334	0.334	0.313	0.324	0.307	0.314	5.86
42)	S	2,4,6-Tribromo...	0.211	0.203	0.214	0.208	0.191	0.197	0.184	0.201	5.42
43)	C	2,4,6-Trichlor...	0.396	0.372	0.396	0.381	0.353	0.363	0.343	0.372	5.54
44)		2,4,5-Trichlor...	0.464	0.437	0.452	0.444	0.411	0.418	0.384	0.430	6.33
45)	S	2-Fluorobiphenyl		1.476	1.430	1.210	1.081	1.054	0.922	1.195	18.41
46)		1,1'-Biphenyl	1.887	1.771	1.752	1.598	1.440	1.390	1.263	1.586	14.48
47)		2-Chloronaphth...	1.344	1.228	1.260	1.168	1.074	1.073	0.979	1.161	10.91
48)		2-Nitroaniline	0.373	0.379	0.407	0.402	0.372	0.386	0.366	0.384	4.04
49)		Acenaphthylene	2.146	2.002	2.049	1.893	1.709	1.681	1.504	1.855	12.45
50)		Dimethylphthalate	1.577	1.470	1.496	1.409	1.289	1.296	1.226	1.395	9.19
51)		2,6-Dinitrotol...	0.320	0.312	0.332	0.321	0.304	0.312	0.295	0.314	3.89
52)	C	Acenaphthene	1.448	1.334	1.352	1.258	1.138	1.139	1.026	1.242	11.90
53)		3-Nitroaniline	0.372	0.372	0.394	0.391	0.365	0.371	0.348	0.373	4.23
54)	P	2,4-Dinitrophenol	0.116	0.125	0.157	0.175	0.172	0.180	0.179	0.158	16.93
55)		Dibenzofuran	2.046	1.864	1.856	1.699	1.535	1.516	1.346	1.695	14.39
56)	P	4-Nitrophenol	0.282	0.281	0.303	0.309	0.286	0.285	0.278	0.289	4.10
57)		2,4-Dinitrotol...	0.408	0.398	0.428	0.424	0.389	0.397	0.358	0.400	5.84
58)		Fluorene	1.579	1.434	1.383	1.209	1.094	1.055	0.937	1.241	18.65
59)		2,3,4,6-Tetrac...	0.369	0.342	0.356	0.338	0.316	0.320	0.293	0.333	7.75
60)		Diethylphthalate	1.503	1.395	1.422	1.334	1.224	1.221	1.121	1.317	10.20
61)		4-Chlorophenyl...	0.744	0.689	0.688	0.596	0.535	0.523	0.459	0.605	17.34
62)		4-Nitroaniline	0.351	0.350	0.377	0.347	0.322	0.338	0.316	0.343	5.93
63)		Azobenzene	1.605	1.502	1.513	1.404	1.294	1.284	1.165	1.395	11.15
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.094	0.105	0.125	0.134	0.128	0.131	0.131	0.121	12.81
66)	c	n-Nitrosodiphe...	0.746	0.703	0.704	0.645	0.598	0.597	0.548	0.649	11.04
67)		4-Bromophenyl-...	0.237	0.226	0.229	0.219	0.205	0.209	0.193	0.217	6.98
68)		Hexachlorobenzene	0.236	0.231	0.236	0.225	0.210	0.215	0.203	0.222	5.95
69)		Atrazine	0.203	0.199	0.197	0.194	0.174	0.177	0.164	0.187	8.05
70)	C	Pentachlorophenol	0.150	0.154	0.164	0.170	0.156	0.161	0.153	0.158	4.43
71)		Phenanthrene	1.314	1.187	1.153	1.062	0.972	0.972	0.865	1.075	14.28
72)		Anthracene	1.314	1.214	1.194	1.099	0.992	0.999	0.888	1.100	13.59
73)		Carbazole	1.120	1.068	1.044	0.991	0.896	0.919	0.819	0.980	10.90
74)		Di-n-butylphth...	1.186	1.160	1.191	1.152	1.057	1.046	0.968	1.109	7.68
75)	C	Fluoranthene	1.251	1.164	1.164	1.094	0.992	0.982	0.904	1.079	11.46
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.313	0.374	0.425	0.340	0.288	0.289		0.338	15.86
78)		Pyrene	1.801	1.685	1.720	1.762	1.659	1.722	1.651	1.714	3.18
79)	S	Terphenyl-d14	1.290	1.208	1.208	1.173	1.078	1.119	1.041	1.160	7.41
80)		Butylbenzylpht...	0.487	0.516	0.592	0.665	0.639	0.679	0.671	0.607	12.86
81)		Benzo(a)anthra...	1.506	1.401	1.466	1.417	1.298	1.305	1.234	1.375	7.18
82)		3,3'-Dichlorob...	0.375	0.382	0.423	0.411	0.374	0.382	0.312	0.380	9.23
83)		Chrysene	1.501	1.402	1.426	1.413	1.302	1.322	1.259	1.375	6.10
84)		Bis(2-ethylhex...	0.727	0.743	0.806	0.817	0.759	0.768	0.714	0.762	5.05
85)	c	Di-n-octyl pht...	1.065	1.096	1.296	1.351	1.273	1.319	1.298	1.242	9.14

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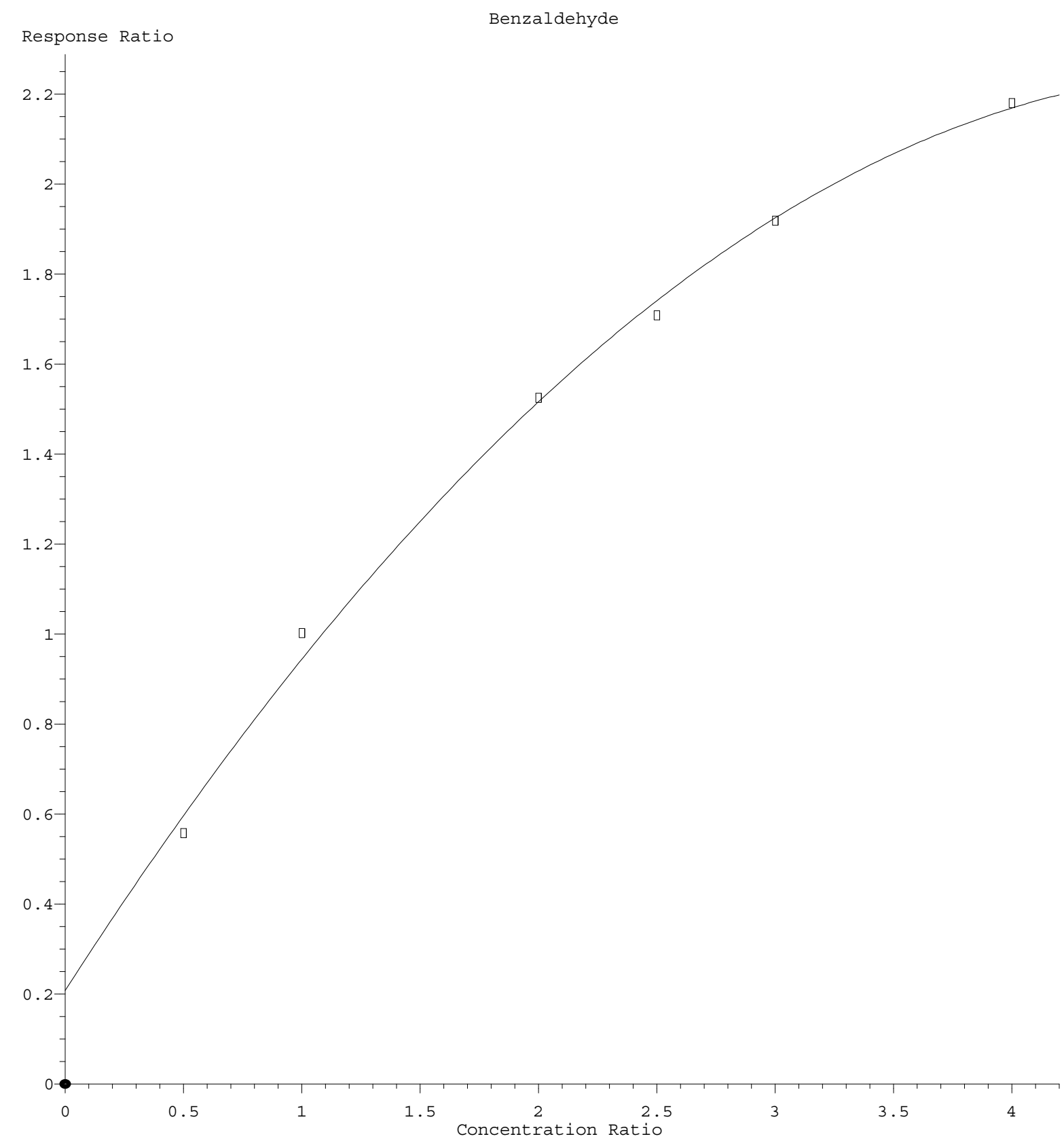
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.036	0.939	1.052	1.207	1.180	1.278	1.271	1.138	11.41
88)		Benzo(b)fluora...	1.321	1.257	1.295	1.334	1.247	1.223	1.230	1.272	3.48
89)		Benzo(k)fluora...	1.317	1.332	1.424	1.289	1.177	1.219	1.071	1.261	9.17
90)	C	Benzo(a)pyrene	1.181	1.145	1.203	1.202	1.127	1.150	1.099	1.158	3.37
91)		Dibenzo(a,h)an...	0.856	0.786	0.885	1.022	0.980	1.065	1.047	0.949	11.27
92)		Benzo(g,h,i)pe...	0.827	0.732	0.853	1.005	0.989	1.077	1.075	0.937	14.29

(#) = Out of Range



R = -8.193e-002 A*A + 8.180e-001 A + 2.080e-001
Coef of Det (r^2) = 0.996593 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF042123.M
Calibration Table Last Updated: Sat Apr 22 03:30:56 2023