Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF042125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 22 02:14:30 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142199.D 5 =BF142200.D 10 =BF142201.D 20 =BF142202.D 40 =BF142203.D 50 =BF142204.D 60 =BF142205.D 80 =BF1422
06.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.473	0.440	0.466	0.415	0.418	0.417	0.403	0.433	6.30
3)		Pyridine		0.827	0.976	1.056	0.951	0.942	0.941	0.886	0.940	7.58
4)		n-Nitrosodimet...		0.356	0.367	0.412	0.382	0.395	0.389	0.371	0.382	4.93
5)	S	2-Fluorophenol		1.110	1.107	1.166	1.048	1.044	1.031	0.960	1.067	6.28
6)		Aniline		1.307	1.359	1.418	1.224	1.142	1.115	1.070	1.234	10.71
7)	S	Phenol-d6		1.396	1.432	1.457	1.293	1.293	1.290	1.191	1.336	7.13
8)		2-Chlorophenol		1.254	1.271	1.335	1.207	1.196	1.187	1.098	1.221	6.14
9)		Benzaldehyde		0.888	0.847	0.827	0.683	0.684	0.670	0.534	0.733	17.11
10)	C	Phenol		1.457	1.483	1.532	1.383	1.372	1.377	1.259	1.409	6.38
11)		bis(2-Chloroet...		1.097	1.094	1.128	1.018	1.043	1.058	1.000	1.063	4.36
12)		1,3-Dichlorobe...		1.488	1.460	1.519	1.343	1.336	1.315	1.224	1.384	7.75
13)	C	1,4-Dichlorobe...		1.589	1.508	1.531	1.368	1.356	1.341	1.241	1.419	8.80
14)		1,2-Dichlorobe...		1.471	1.428	1.435	1.276	1.258	1.232	1.142	1.320	9.41
15)		Benzyl Alcohol		0.936	0.985	1.077	0.970	0.982	0.970	0.900	0.974	5.56
16)		2,2'-oxybis(1-...		1.097	1.082	1.108	0.998	1.011	0.999	0.915	1.030	6.73
17)		2-Methylphenol		0.923	0.912	0.975	0.903	0.907	0.924	0.889	0.919	2.99
18)		Hexachloroethane		0.509	0.502	0.518	0.465	0.467	0.472	0.442	0.482	5.76
19)	P	n-Nitroso-di-n...	0.779	0.841	0.807	0.791	0.713	0.721	0.715	0.676	0.755	7.52
20)		3+4-Methylphenols		1.194	1.205	1.280	1.131	1.120	1.086	0.985	1.143	8.31
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.468	0.468	0.479	0.427	0.417	0.419	0.396	0.439	7.31
23)	S	Nitrobenzene-d5		0.324	0.333	0.344	0.313	0.308	0.311	0.297	0.318	5.07
24)		Nitrobenzene		0.318	0.319	0.336	0.316	0.310	0.312	0.298	0.315	3.60
25)		Isophorone		0.549	0.541	0.562	0.523	0.522	0.529	0.516	0.535	3.10
26)	C	2-Nitrophenol		0.134	0.151	0.169	0.172	0.174	0.182	0.179	0.166	10.47
27)		2,4-Dimethylph...		0.201	0.206	0.225	0.217	0.220	0.226	0.215	0.216	4.31
28)		bis(2-Chloroet...		0.358	0.364	0.372	0.345	0.344	0.344	0.329	0.351	4.17
29)	C	2,4-Dichloroph...		0.281	0.292	0.309	0.295	0.296	0.296	0.284	0.293	3.15
30)		1,2,4-Trichlor...		0.362	0.350	0.365	0.336	0.333	0.336	0.318	0.343	4.98
31)		Naphthalene		1.079	1.063	1.070	0.917	0.882	0.852	0.751	0.945	13.57
32)		Benzoic acid			0.098	0.152	0.181	0.198	0.211	0.213	0.175	25.30
33)		4-Chloroaniline		0.341	0.356	0.367	0.339	0.332	0.331	0.328	0.342	4.24
34)	C	Hexachlorobuta...		0.232	0.231	0.242	0.224	0.218	0.222	0.215	0.226	4.12
35)		Caprolactam		0.068	0.073	0.081	0.079	0.083	0.085	0.079	0.078	7.65
36)	C	4-Chloro-3-met...		0.292	0.297	0.307	0.294	0.292	0.298	0.286	0.295	2.26
37)		2-Methylnaphth...		0.720	0.702	0.713	0.642	0.629	0.607	0.557	0.653	9.38
38)		1-Methylnaphth...		0.717	0.679	0.682	0.613	0.604	0.587	0.544	0.632	9.74

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.687	0.678	0.704	0.640	0.624	0.638	0.611	0.654	5.35
41)	P	Hexachlorocycl...	0.128	0.161	0.214	0.226	0.216	0.228	0.232	0.201	19.97
42)	S	2,4,6-Tribromo...	0.246	0.265	0.289	0.274	0.280	0.288	0.270	0.273	5.44
43)	C	2,4,6-Trichlor...	0.337	0.367	0.409	0.389	0.389	0.396	0.388	0.382	6.20
44)		2,4,5-Trichlor...	0.377	0.389	0.423	0.410	0.415	0.432	0.422	0.410	4.81
45)	S	2-Fluorobiphenyl	1.486	1.417	1.372	1.101	1.014	0.973		1.227	18.23
46)		1,1'-Biphenyl	1.634	1.583	1.616	1.396	1.325	1.296	1.189	1.434	12.33
47)		2-Chloronaphth...	1.225	1.176	1.228	1.082	1.046	1.064	0.973	1.113	8.77
48)		2-Nitroaniline	0.232	0.250	0.282	0.264	0.265	0.275	0.259	0.261	6.34
49)		Acenaphthylene	1.790	1.701	1.771	1.530	1.474	1.439	1.309	1.573	11.66
50)		Dimethylphthalate	1.352	1.322	1.401	1.250	1.218	1.258	1.176	1.282	6.16
51)		2,6-Dinitrotol...	0.274	0.283	0.309	0.291	0.286	0.292	0.280	0.288	3.90
52)	C	Acenaphthene	1.230	1.168	1.233	1.099	1.082	1.102	1.022	1.134	7.00
53)		3-Nitroaniline	0.254	0.277	0.297	0.284	0.276	0.269	0.274	0.276	4.80
54)	P	2,4-Dinitrophenol		0.094	0.131	0.143	0.153	0.166	0.159	0.141	18.58
55)		Dibenzofuran	1.834	1.765	1.788	1.551	1.455	1.452	1.282	1.590	13.16
56)	P	4-Nitrophenol		0.156	0.206	0.205	0.216	0.223	0.205	0.202	11.81
57)		2,4-Dinitrotol...	0.340	0.367	0.398	0.376	0.375	0.392	0.355	0.372	5.43
58)		Fluorene	1.381	1.339	1.363	1.187	1.156	1.148	1.034	1.230	10.75
59)		2,3,4,6-Tetrac...	0.330	0.351	0.378	0.368	0.377	0.390	0.369	0.366	5.43
60)		Diethylphthalate	1.257	1.266	1.327	1.187	1.155	1.153	1.036	1.197	7.99
61)		4-Chlorophenyl...	0.737	0.710	0.731	0.661	0.639	0.653	0.608	0.677	7.29
62)		4-Nitroaniline	0.237	0.249	0.286	0.269	0.272	0.277	0.246	0.262	6.92
63)		Azobenzene	1.147	1.110	1.139	1.018	1.002	0.993	0.891	1.043	8.98
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.117	0.123	0.131	0.131	0.117	13.90
66)	c	n-Nitrosodiphe...	0.651	0.640	0.648	0.594	0.587	0.595	0.575	0.613	5.25
67)		4-Bromophenyl-...	0.261	0.262	0.272	0.259	0.257	0.263	0.266	0.263	1.92
68)		Hexachlorobenzene	0.323	0.318	0.326	0.304	0.304	0.311	0.307	0.313	2.90
69)		Atrazine	0.168	0.178	0.138	0.101	0.162			0.150	20.71
70)	C	Pentachlorophenol	0.100	0.136	0.165	0.169	0.178	0.185	0.185	0.160	19.54
71)		Phenanthrene	1.127	1.120	1.110	0.952	0.916	0.905	0.822	0.993	12.49
72)		Anthracene	1.114	1.102	1.104	0.967	0.926	0.909	0.830	0.993	11.45
73)		Carbazole	0.952	0.951	0.960	0.844	0.821	0.810	0.734	0.868	10.12
74)		Di-n-butylphth...	0.862	0.981	1.038	0.909	0.881	0.856	0.760	0.898	10.09
75)	C	Fluoranthene	1.176	1.190	1.180	0.991	0.955	0.919	0.815	1.032	14.55
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.230	0.196	0.166	0.385	0.301	0.285	0.243	0.258	28.27
78)		Pyrene	1.783	1.726	1.849	1.592	1.501	1.412	1.255	1.588	13.45
79)	S	Terphenyl-d14	1.390	1.331	1.382	1.106	1.015	0.939		1.194	16.63
80)		Butylbenzylpht...	0.258	0.308	0.403	0.402	0.433	0.448	0.439	0.384	18.96
81)		Benzo(a)anthra...	1.197	1.211	1.357	1.207	1.199	1.190	1.119	1.211	5.90
82)		3,3'-Dichlorob...	0.272	0.329	0.372	0.370	0.386	0.411	0.385	0.361	12.87
83)		Chrysene	1.259	1.232	1.229	1.133	1.119	1.122	1.075	1.167	6.13
84)		Bis(2-ethylhex...	0.351	0.405	0.513	0.539	0.565	0.605	0.622	0.514	19.67
85)	c	Di-n-octyl pht...		0.642	0.831	0.934	0.972	1.031	1.057	0.911	16.92

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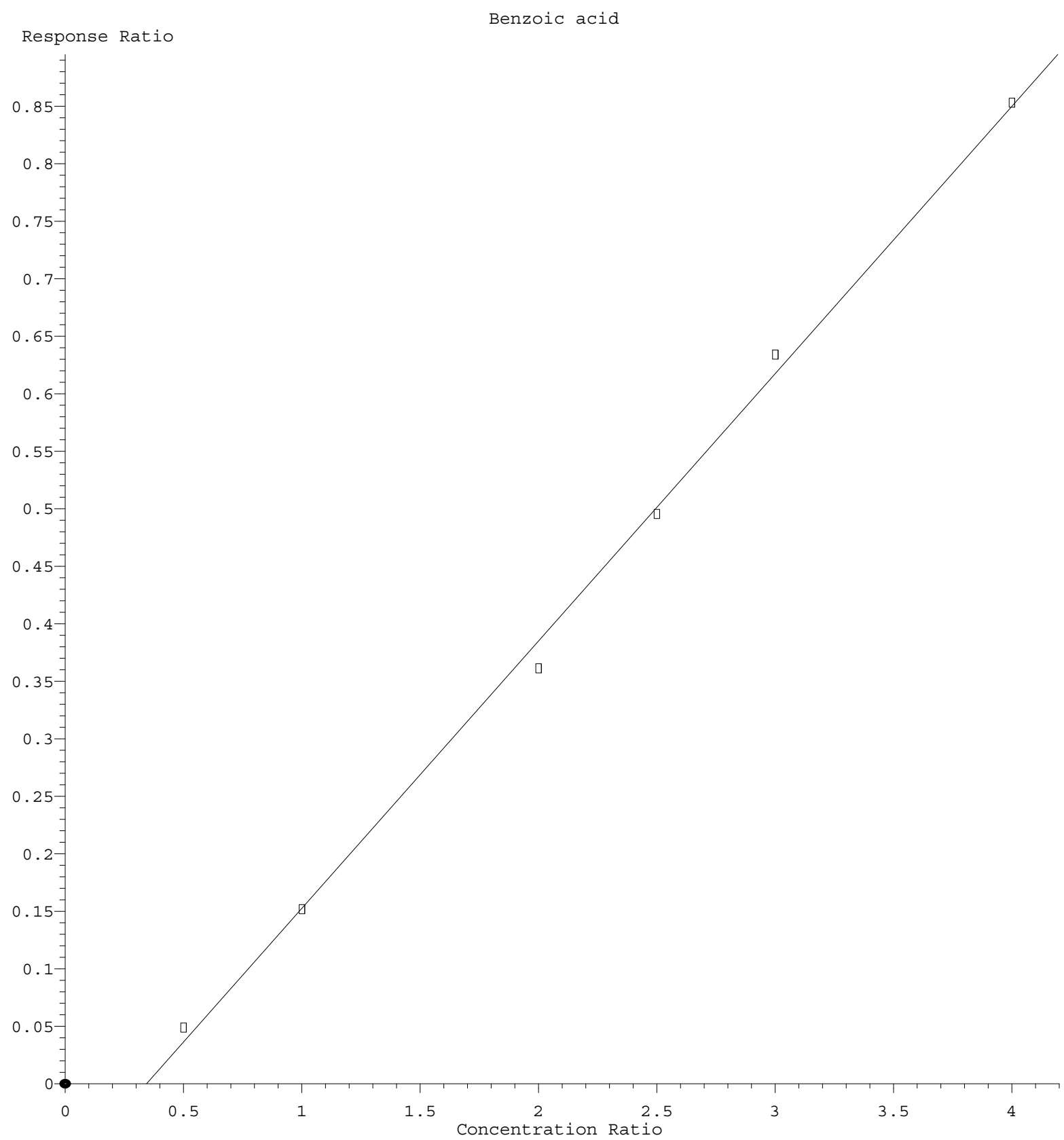
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.378	1.344	1.475	1.405	1.413	1.416	1.391	1.403	2.87
88)		Benzo(b)fluora...	0.993	1.065	1.303	1.134	1.138	1.091	1.130	1.122	8.45
89)		Benzo(k)fluora...	1.273	1.226	1.114	1.055	1.060	1.108	0.922	1.108	10.46
90)	C	Benzo(a)pyrene	0.989	0.999	1.069	0.990	1.002	1.014	0.967	1.004	3.18
91)		Dibenzo(a,h)an...	1.116	1.084	1.215	1.164	1.158	1.155	1.121	1.145	3.68
92)		Benzo(g,h,i)pe...	1.176	1.139	1.239	1.203	1.201	1.210	1.178	1.192	2.68

(#) = Out of Range



Response = 2.326e-001 * Amt - 7.996e-002
Coef of Det (r^2) = 0.997698 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF042125.M
Calibration Table Last Updated: Tue Apr 22 02:14:30 2025