Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 21 03:12:37 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131706.D 5 =BF131707.D 10 =BF131708.D 20 =BF131709.D 40 =BF131710.D 50 =BF131711.D 60 =BF131712.D 80 =BF1317
13.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.567	0.582	0.579	0.558	0.530	0.546	0.522	0.555	4.19
3)		Pyridine		1.565	1.620	1.678	1.600	1.545	1.572	1.499	1.583	3.62
4)		n-Nitrosodimet...		0.701	0.730	0.731	0.728	0.704	0.721	0.697	0.716	2.04
5)	S	2-Fluorophenol		1.210	1.239	1.276	1.181	1.140	1.164	1.105	1.188	4.94
6)		Aniline		1.994	2.050	2.132	1.972	1.916	1.941	1.810	1.974	5.16
7)	S	Phenol-d6		1.647	1.684	1.711	1.575	1.531	1.568	1.475	1.599	5.35
8)		2-Chlorophenol		1.296	1.344	1.371	1.260	1.223	1.242	1.193	1.276	5.07
9)		Benzaldehyde		1.251	1.272	1.194	0.904	0.931	0.884		1.073	17.20
10)	C	Phenol		1.971	2.009	2.064	1.895	1.832	1.855	1.734	1.909	5.96
11)		bis(2-Chloroet...		1.368	1.438	1.441	1.375	1.319	1.347	1.274	1.366	4.43
12)		1,3-Dichlorobe...		1.532	1.500	1.531	1.430	1.380	1.394	1.327	1.442	5.59
13)	C	1,4-Dichlorobe...		1.534	1.555	1.569	1.449	1.414	1.434	1.364	1.474	5.34
14)		1,2-Dichlorobe...		1.460	1.455	1.504	1.342	1.325	1.327	1.247	1.380	6.76
15)		Benzyl Alcohol		1.452	1.476	1.551	1.418	1.387	1.408	1.303	1.428	5.42
16)		2,2'-oxybis(1-...		1.792	1.856	1.904	1.713	1.673	1.697	1.558	1.742	6.76
17)		2-Methylphenol		1.249	1.269	1.271	1.190	1.163	1.183	1.105	1.204	5.11
18)		Hexachloroethane		0.593	0.606	0.623	0.575	0.571	0.577	0.546	0.584	4.34
19)	P	n-Nitroso-di-n...	1.176	1.178	1.211	1.240	1.134	1.109	1.131	1.046	1.153	5.33
20)		3+4-Methylphenols		1.615	1.644	1.659	1.531	1.478	1.514	1.410	1.550	5.97
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.596	0.596	0.615	0.580	0.555	0.574	0.569	0.584	3.49
23)	S	Nitrobenzene-d5		0.495	0.489	0.509	0.497	0.476	0.493	0.489	0.493	1.99
24)		Nitrobenzene		0.509	0.496	0.521	0.506	0.486	0.500	0.488	0.501	2.43
25)		Isophorone		0.824	0.841	0.867	0.830	0.809	0.850	0.835	0.837	2.23
26)	C	2-Nitrophenol		0.183	0.190	0.205	0.197	0.193	0.201	0.201	0.196	3.89
27)		2,4-Dimethylph...		0.279	0.277	0.292	0.277	0.268	0.279	0.280	0.279	2.56
28)		bis(2-Chloroet...		0.441	0.452	0.457	0.444	0.434	0.447	0.435	0.444	1.92
29)	C	2,4-Dichloroph...		0.327	0.339	0.355	0.336	0.325	0.339	0.335	0.337	2.89
30)		1,2,4-Trichlor...		0.398	0.394	0.411	0.398	0.379	0.396	0.393	0.396	2.42
31)		Naphthalene		1.134	1.106	1.142	1.084	1.043	1.074	1.062	1.092	3.38
32)		Benzoic acid		0.174	0.188	0.220	0.239	0.239	0.247	0.256	0.223	13.95
33)		4-Chloroaniline		0.434	0.431	0.447	0.424	0.412	0.426	0.408	0.426	3.12
34)	C	Hexachlorobuta...		0.267	0.265	0.279	0.265	0.258	0.265	0.264	0.266	2.34
35)		Caprolactam		0.100	0.098	0.102	0.100	0.103	0.106	0.102	0.101	2.57
36)	C	4-Chloro-3-met...		0.367	0.385	0.404	0.383	0.379	0.393	0.380	0.384	3.00
37)		2-Methylnaphth...		0.749	0.761	0.784	0.733	0.718	0.742	0.730	0.745	2.95
38)		1-Methylnaphth...		0.751	0.728	0.753	0.708	0.693	0.718	0.700	0.722	3.28

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122022.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.681	0.685	0.690	0.724	0.651	0.685	0.673	0.684	3.20
41)	P	Hexachlorocycl...		0.237	0.284	0.345	0.314	0.337	0.343	0.310	13.80
42)	S	2,4,6-Tribromo...	0.204	0.218	0.231	0.224	0.215	0.220	0.221	0.219	3.76
43)	C	2,4,6-Trichlor...	0.435	0.440	0.462	0.472	0.428	0.454	0.438	0.447	3.59
44)		2,4,5-Trichlor...	0.463	0.482	0.496	0.515	0.472	0.485	0.474	0.484	3.56
45)	S	2-Fluorobiphenyl	1.469	1.480	1.476	1.476	1.333	1.404	1.356	1.428	4.41
46)		1,1'-Biphenyl	1.504	1.521	1.552	1.584	1.422	1.491	1.456	1.504	3.66
47)		2-Chloronaphth...	1.239	1.241	1.254	1.300	1.176	1.228	1.185	1.232	3.40
48)		2-Nitroaniline	0.420	0.443	0.458	0.464	0.430	0.458	0.435	0.444	3.72
49)		Acenaphthylene	1.882	1.888	1.906	1.930	1.761	1.817	1.751	1.848	3.88
50)		Dimethylphthalate	1.512	1.519	1.560	1.537	1.459	1.491	1.456	1.505	2.58
51)		2,6-Dinitrotol...	0.313	0.321	0.334	0.339	0.316	0.328	0.316	0.324	3.07
52)	C	Acenaphthene	1.136	1.180	1.161	1.178	1.070	1.113	1.085	1.132	3.88
53)		3-Nitroaniline	0.324	0.335	0.340	0.346	0.320	0.330	0.322	0.331	2.99
54)	P	2,4-Dinitrophenol		0.159	0.187	0.204	0.198	0.206	0.210	0.194	9.85
55)		Dibenzofuran	1.791	1.796	1.809	1.791	1.650	1.679	1.634	1.736	4.47
56)	P	4-Nitrophenol	0.211	0.232	0.247	0.252	0.238	0.243	0.237	0.237	5.64
57)		2,4-Dinitrotol...	0.409	0.438	0.457	0.444	0.434	0.435	0.427	0.435	3.37
58)		Fluorene	1.431	1.434	1.452	1.441	1.340	1.386	1.339	1.403	3.44
59)		2,3,4,6-Tetrac...	0.379	0.409	0.415	0.425	0.396	0.404	0.399	0.404	3.66
60)		Diethylphthalate	1.461	1.481	1.512	1.466	1.409	1.408	1.413	1.450	2.81
61)		4-Chlorophenyl...	0.756	0.780	0.772	0.756	0.714	0.736	0.707	0.746	3.73
62)		4-Nitroaniline	0.317	0.334	0.353	0.343	0.332	0.329	0.325	0.333	3.55
63)		Azobenzene	1.609	1.657	1.660	1.625	1.534	1.552	1.510	1.592	3.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.108	0.129	0.143	0.145	0.140	0.148	0.147	0.137	10.52
66)	c	n-Nitrosodiphe...	0.607	0.628	0.642	0.628	0.598	0.623	0.615	0.620	2.37
67)		4-Bromophenyl-...	0.224	0.236	0.244	0.241	0.229	0.242	0.238	0.236	3.16
68)		Hexachlorobenzene	0.254	0.257	0.265	0.265	0.251	0.264	0.262	0.260	2.19
69)		Atrazine	0.222	0.227	0.218	0.211	0.194	0.194	0.181	0.207	8.34
70)	C	Pentachlorophenol	0.105	0.128	0.144	0.145	0.142	0.151	0.150	0.138	12.00
71)		Phenanthrene	1.111	1.111	1.131	1.083	1.057	1.075	1.067	1.091	2.49
72)		Anthracene	1.078	1.097	1.100	1.063	1.033	1.063	1.042	1.068	2.40
73)		Carbazole	0.942	0.965	0.960	0.906	0.887	0.918	0.889	0.924	3.51
74)		Di-n-butylphth...	1.128	1.186	1.213	1.105	1.133	1.141	1.147	1.150	3.20
75)	C	Fluoranthene	1.267	1.297	1.284	1.177	1.162	1.171	1.145	1.215	5.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.657	0.529	0.393	0.378	0.210	0.216	0.185	0.367	48.80
78)		Pyrene	1.631	1.662	1.781	2.077	1.792	1.924	1.861	1.818	8.45
79)	S	Terphenyl-d14	1.185	1.196	1.250	1.446	1.254	1.325	1.327	1.283	7.07
80)		Butylbenzylpht...	0.561	0.600	0.640	0.695	0.647	0.673	0.673	0.641	7.24
81)		Benzo(a)anthra...	1.432	1.408	1.459	1.522	1.401	1.437	1.424	1.440	2.83
82)		3,3'-Dichlorob...	0.438	0.444	0.425	0.404	0.375	0.379	0.350	0.402	8.83
83)		Chrysene	1.362	1.335	1.353	1.431	1.321	1.356	1.359	1.360	2.55
84)		Bis(2-ethylhex...	0.674	0.722	0.770	0.796	0.786	0.798	0.807	0.765	6.40
85)	c	Di-n-octyl pht...	0.945	1.000	1.041	1.091	1.081	1.149	1.166	1.068	7.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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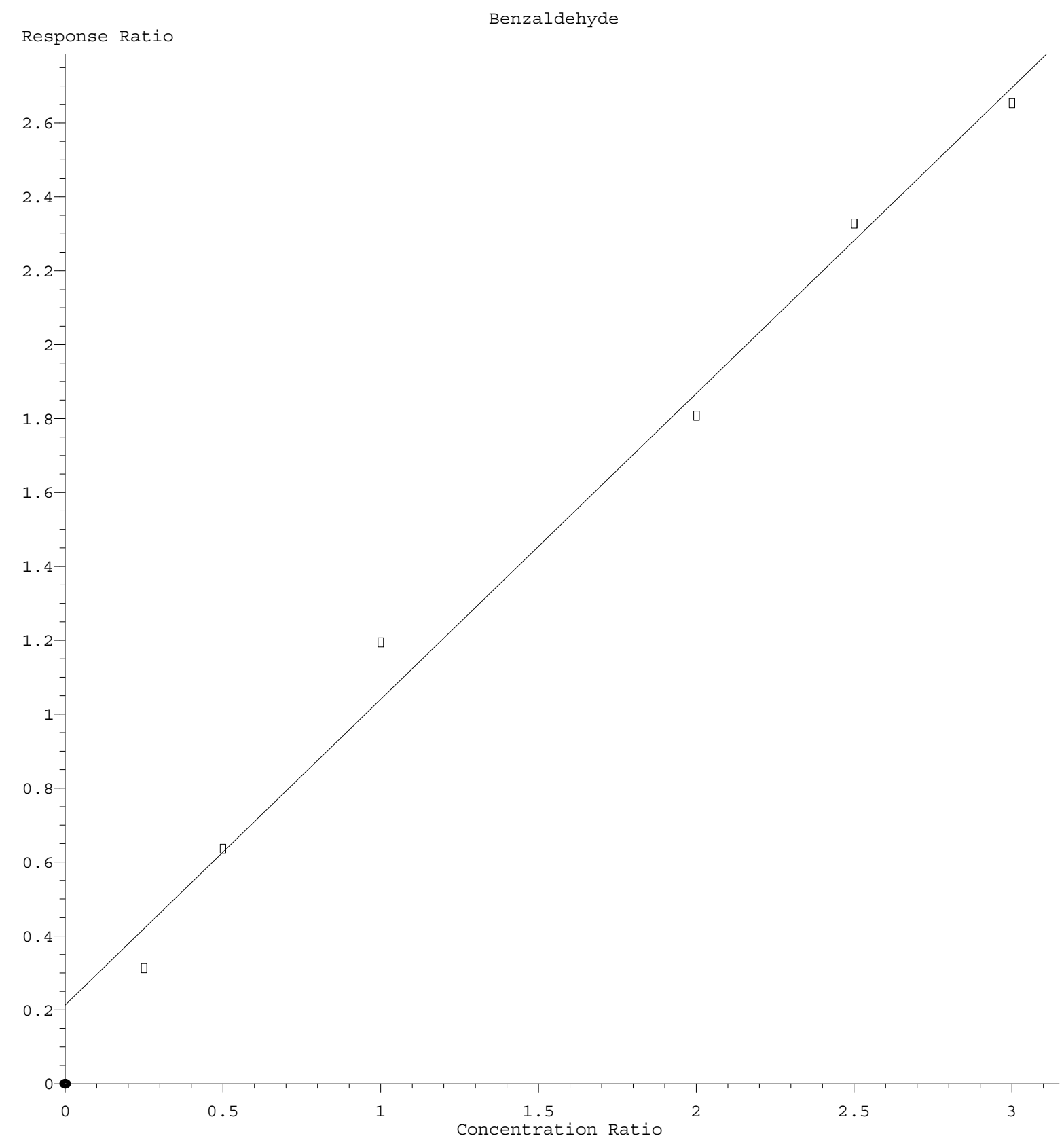
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.091	1.148	1.300	1.472	1.383	1.488	1.521	1.343	12.71
88)		Benzo(b)fluora...	1.420	1.421	1.518	1.346	1.349	1.449	1.402	1.415	4.20
89)		Benzo(k)fluora...	1.386	1.444	1.400	1.331	1.404	1.322	1.379	1.381	3.08
90)	C	Benzo(a)pyrene	1.067	1.112	1.147	1.118	1.109	1.145	1.146	1.121	2.58
91)		Dibenzo(a,h)an...	0.896	0.949	1.086	1.218	1.153	1.215	1.255	1.110	12.63
92)		Benzo(g,h,i)pe...	0.876	0.926	1.063	1.207	1.147	1.213	1.249	1.097	13.42

(#) = Out of Range



Response = 8.274e-001 * Amt + 2.128e-001
Coef of Det (r^2) = 0.990176 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122022.M
Calibration Table Last Updated: Wed Dec 21 03:12:37 2022