Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP013024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 31 01:55:36 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP019481.D 5 =BP019482.D 10 =BP019483.D 20 =BP019484.D 40 =BP019485.D 50 =BP019486.D 60 =BP019487.D 80 =BP0194
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.530	0.513	0.534	0.471	0.490	0.503	0.469	0.501	5.23
3)		Pyridine		1.509	1.376	1.448	1.401	1.422	1.392	1.511	1.437	3.82
4)		n-Nitrosodimet...		0.811	0.773	0.779	0.754	0.798	0.799	0.808	0.789	2.63
5)	S	2-Fluorophenol		1.357	1.330	1.376	1.239	1.294	1.313	1.284	1.313	3.53
6)		Aniline		1.845	1.737	1.775	1.714	1.801	1.708	1.893	1.782	3.88
7)	S	Phenol-d6		1.841	1.775	1.817	1.698	1.819	1.762	1.901	1.802	3.60
8)		2-Chlorophenol		1.407	1.339	1.379	1.248	1.350	1.327	1.372	1.346	3.78
9)		Benzaldehyde		1.381	1.244	1.143	0.889	0.874			1.106	20.05
10)	C	Phenol		1.895	1.767	1.793	1.695	1.808	1.766	1.882	1.801	3.87
11)		bis(2-Chloroet...		1.412	1.336	1.335	1.265	1.373	1.325	1.369	1.345	3.43
12)		1,3-Dichlorobe...		1.676	1.596	1.641	1.456	1.564	1.597	1.563	1.585	4.40
13)	C	1,4-Dichlorobe...		1.644	1.607	1.648	1.494	1.600	1.621	1.589	1.600	3.24
14)		1,2-Dichlorobe...		1.641	1.552	1.580	1.429	1.548	1.544	1.546	1.549	4.07
15)		Benzyl Alcohol		1.624	1.493	1.504	1.457	1.557	1.465	1.655	1.536	5.08
16)		2,2'-oxybis(1-...		1.896	1.805	1.715	1.602	1.772	1.731	1.736	1.751	5.12
17)		2-Methylphenol		1.276	1.202	1.195	1.141	1.235	1.169	1.289	1.215	4.48
18)		Hexachloroethane		0.667	0.645	0.664	0.594	0.640	0.670	0.632	0.645	4.15
19)	P	n-Nitroso-di-n...	1.247	1.409	1.273	1.176	1.186	1.296	1.202	1.343	1.266	6.42
20)		3+4-Methylphenols		1.809	1.626	1.639	1.584	1.679	1.595	1.796	1.676	5.51
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.621	0.599	0.608	0.571	0.600	0.618	0.610	0.604	2.78
23)	S	Nitrobenzene-d5		0.484	0.489	0.500	0.480	0.499	0.512	0.505	0.495	2.37
24)		Nitrobenzene		0.496	0.495	0.511	0.481	0.498	0.515	0.512	0.501	2.42
25)		Isophorone		0.924	0.890	0.834	0.849	0.861	0.869	0.903	0.876	3.62
26)	C	2-Nitrophenol		0.159	0.174	0.180	0.177	0.189	0.194	0.197	0.181	7.30
27)		2,4-Dimethylph...		0.243	0.235	0.240	0.225	0.233	0.237	0.243	0.237	2.71
28)		bis(2-Chloroet...		0.486	0.475	0.462	0.442	0.466	0.473	0.462	0.466	2.98
29)	C	2,4-Dichloroph...		0.328	0.344	0.344	0.329	0.339	0.352	0.355	0.341	3.10
30)		1,2,4-Trichlor...		0.391	0.401	0.416	0.378	0.402	0.421	0.403	0.402	3.62
31)		Naphthalene		1.143	1.116	1.128	1.058	1.104	1.134	1.132	1.116	2.57
32)		Benzoic acid		0.230	0.219	0.225	0.247	0.244	0.244	0.291	0.243	9.79
33)		4-Chloroaniline		0.452	0.418	0.415	0.422	0.422	0.417	0.454	0.429	3.93
34)	C	Hexachlorobuta...		0.284	0.299	0.295	0.264	0.286	0.315	0.281	0.289	5.45
35)		Caprolactam		0.136	0.112	0.108	0.120	0.106	0.103	0.128	0.116	10.56
36)	C	4-Chloro-3-met...		0.437	0.414	0.399	0.414	0.408	0.401	0.450	0.418	4.54
37)		2-Methylnaphth...		0.799	0.783	0.749	0.740	0.763	0.773	0.803	0.773	3.10
38)		1-Methylnaphth...		0.803	0.752	0.734	0.727	0.756	0.764	0.788	0.761	3.57

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.658	0.704	0.739	0.661	0.716	0.760	0.699	0.705	5.36
41)	P	Hexachlorocycl...	0.265	0.320	0.328	0.292	0.325	0.375	0.301	0.315	11.03
42)	S	2,4,6-Tribromo...	0.279	0.267	0.259	0.278	0.272	0.288	0.303	0.278	5.22
43)	C	2,4,6-Trichlor...	0.426	0.445	0.455	0.440	0.465	0.489	0.467	0.455	4.55
44)		2,4,5-Trichlor...	0.491	0.483	0.517	0.493	0.508	0.531	0.523	0.506	3.60
45)	S	2-Fluorobiphenyl	1.544	1.572	1.619	1.486	1.605	1.680	1.571	1.582	3.85
46)		1,1'-Biphenyl	1.581	1.553	1.611	1.492	1.603	1.667	1.578	1.583	3.40
47)		2-Chloronaphth...	1.229	1.269	1.304	1.220	1.294	1.354	1.285	1.279	3.57
48)		2-Nitroaniline	0.430	0.407	0.443	0.459	0.455	0.463	0.494	0.450	6.09
49)		Acenaphthylene	1.879	1.834	1.908	1.806	1.860	1.918	1.930	1.877	2.44
50)		Dimethylphthalate	1.693	1.618	1.540	1.578	1.549	1.628	1.650	1.608	3.45
51)		2,6-Dinitrotol...	0.358	0.348	0.345	0.355	0.347	0.364	0.378	0.357	3.30
52)	C	Acenaphthene	1.188	1.137	1.162	1.123	1.156	1.178	1.191	1.162	2.22
53)		3-Nitroaniline	0.347	0.328	0.334	0.353	0.334	0.341	0.372	0.344	4.38
54)	P	2,4-Dinitrophenol	0.153	0.165	0.167	0.196	0.193	0.203	0.232	0.187	14.44
55)		Dibenzofuran	1.952	1.873	1.871	1.817	1.862	1.930	1.932	1.891	2.54
56)	P	4-Nitrophenol	0.292	0.269	0.285	0.309	0.275	0.285	0.320	0.291	6.24
57)		2,4-Dinitrotol...	0.483	0.445	0.464	0.510	0.482	0.505	0.544	0.490	6.63
58)		Fluorene	1.592	1.513	1.511	1.515	1.515	1.549	1.616	1.545	2.81
59)		2,3,4,6-Tetrac...	0.425	0.429	0.424	0.423	0.427	0.436	0.453	0.431	2.46
60)		Diethylphthalate	1.776	1.650	1.547	1.653	1.619	1.703	1.729	1.668	4.52
61)		4-Chlorophenyl...	0.838	0.823	0.801	0.810	0.814	0.853	0.857	0.828	2.65
62)		4-Nitroaniline	0.381	0.357	0.362	0.392	0.353	0.365	0.406	0.374	5.32
63)		Azobenzene	1.757	1.667	1.608	1.657	1.647	1.726	1.700	1.680	3.02
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.100	0.105	0.108	0.118	0.126	0.132	0.136	0.118	11.97
66)	c	n-Nitrosodiphe...	0.586	0.587	0.599	0.550	0.604	0.616	0.596	0.591	3.51
67)		4-Bromophenyl-...	0.228	0.229	0.227	0.211	0.236	0.249	0.230	0.230	4.91
68)		Hexachlorobenzene	0.264	0.257	0.256	0.239	0.265	0.271	0.261	0.259	3.94
69)		Atrazine	0.247	0.235	0.214	0.204	0.200	0.201	0.180	0.212	10.81
70)	C	Pentachlorophenol	0.163	0.166	0.170	0.172	0.182	0.189	0.188	0.176	6.03
71)		Phenanthrene	1.070	1.051	1.056	1.012	1.060	1.080	1.070	1.057	2.08
72)		Anthracene	1.068	1.072	1.058	1.023	1.059	1.094	1.074	1.064	2.06
73)		Carbazole	1.035	0.995	1.022	0.988	0.986	1.025	1.020	1.010	1.96
74)		Di-n-butylphth...	1.276	1.276	1.154	1.208	1.233	1.369	1.219	1.248	5.44
75)	C	Fluoranthene	1.404	1.353	1.348	1.338	1.304	1.396	1.327	1.353	2.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.442	0.316	0.541	0.427	0.442	0.485	0.438	0.442	15.44
78)		Pyrene	1.532	1.460	1.430	1.359	1.448	1.474	1.875	1.511	11.15
79)	S	Terphenyl-d14	1.255	1.228	1.136	1.134	1.214	1.282	1.593	1.263	12.33
80)		Butylbenzylpht...	0.601	0.614	0.548	0.563	0.584	0.645	0.692	0.607	8.14
81)		Benzo(a)anthra...	1.449	1.440	1.428	1.362	1.415	1.474	1.483	1.436	2.82
82)		3,3'-Dichlorob...	0.524	0.531	0.534	0.497	0.507	0.542	0.484	0.517	4.15
83)		Chrysene	1.342	1.344	1.359	1.279	1.333	1.401	1.389	1.350	2.97
84)		Bis(2-ethylhex...	0.873	0.948	0.790	0.834	0.862	0.990	0.881	0.882	7.63
85)	c	Di-n-octyl pht...	1.357	1.640	1.421	1.455	1.497	1.718	1.223	1.473	11.36

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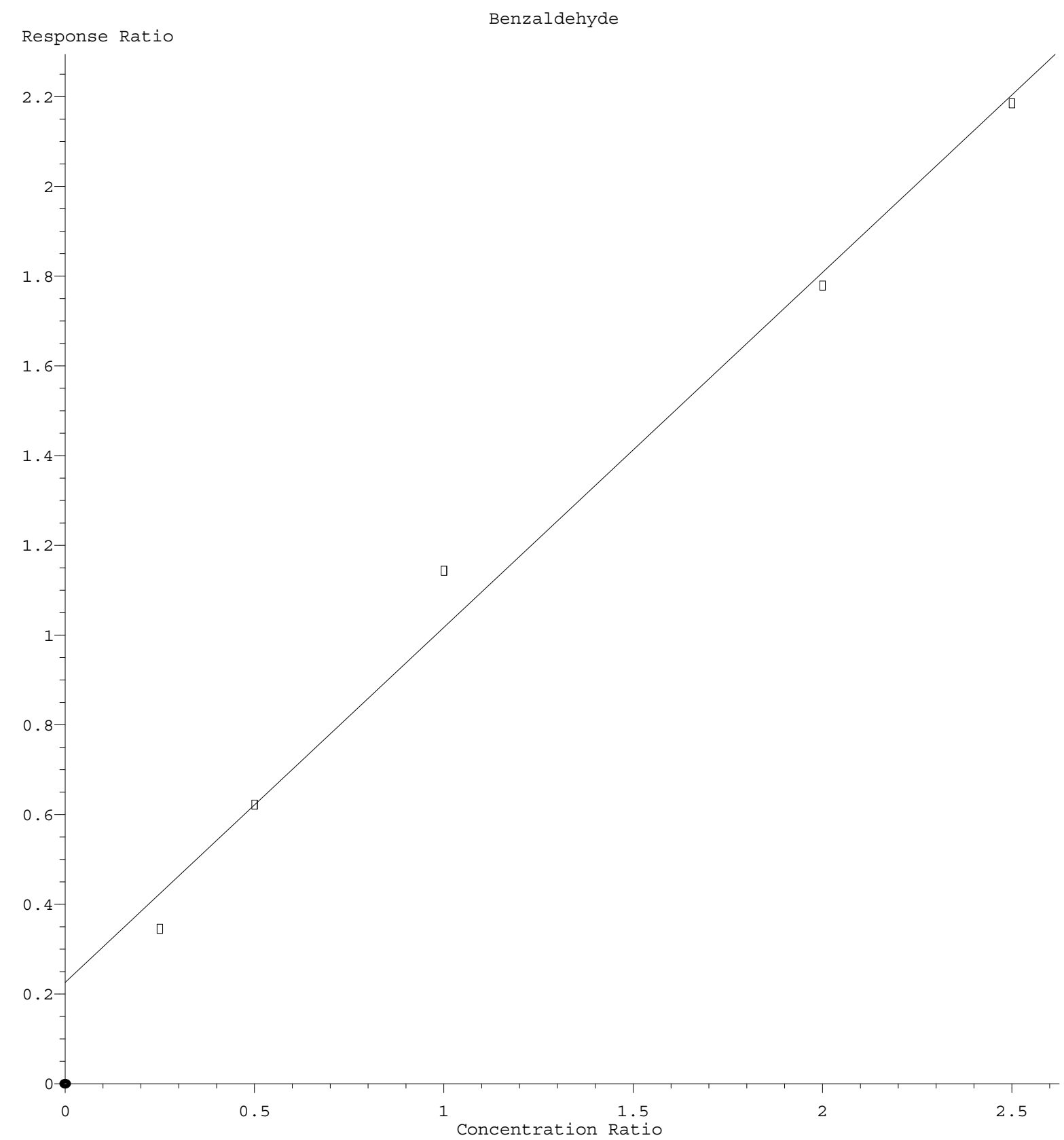
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.261	1.495	1.523	1.401	1.501	1.526	1.509	1.459	6.65
88)		Benzo(b)fluora...	1.339	1.241	1.234	1.247	1.286	1.335	1.356	1.291	4.02
89)		Benzo(k)fluora...	1.292	1.213	1.215	1.152	1.177	1.273	1.276	1.228	4.37
90)	C	Benzo(a)pyrene	1.133	1.134	1.123	1.085	1.128	1.177	1.161	1.135	2.58
91)		Dibenzo(a,h)an...	1.032	1.232	1.240	1.161	1.232	1.276	1.227	1.200	6.80
92)		Benzo(g,h,i)pe...	1.025	1.244	1.284	1.169	1.248	1.270	1.287	1.218	7.72

(#) = Out of Range



Response = 7.914e-001 * Amt + 2.256e-001
Coef of Det (r^2) = 0.990190 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013024.M
Calibration Table Last Updated: Wed Jan 31 01:55:36 2024