Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG101322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 13 05:14:13 2022
Response Via : Initial Calibration

Calibration Files
5 =BG055143.D 10 =BG055144.D 20 =BG055145.D 40 =BG055146.D 50 =BG055147.D 60 =BG055148.D 80 =BG055149.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.461	0.429	0.468	0.423	0.387	0.429	0.430	0.433	6.15
3)		Pyridine	1.315	1.300	1.428	1.436	1.319	1.383	1.367	1.364	4.03
4)		n-Nitrosodimet...	0.730	0.715	0.774	0.749	0.691	0.710	0.698	0.724	4.07
5)	S	2-Fluorophenol	1.009	0.999	1.083	1.062	0.973	1.021	1.009	1.022	3.70
6)		Aniline	1.895	1.896	2.007	2.102	1.908	1.897	1.887	1.942	4.22
7)	S	Phenol-d6	1.491	1.492	1.547	1.630	1.479	1.496	1.451	1.512	3.91
8)		2-Chlorophenol	1.211	1.235	1.320	1.321	1.218	1.218	1.203	1.247	4.11
9)		Benzaldehyde	1.181	1.150	1.133	1.027	0.926	0.880	0.822	1.017	14.10
10)	C	Phenol	1.638	1.645	1.711	1.835	1.668	1.651	1.611	1.680	4.45
11)		bis(2-Chloroet...	1.188	1.209	1.226	1.281	1.147	1.158	1.110	1.188	4.75
12)		1,3-Dichlorobe...	1.521	1.464	1.484	1.514	1.370	1.419	1.370	1.449	4.39
13)	C	1,4-Dichlorobe...	1.488	1.456	1.551	1.534	1.403	1.415	1.391	1.463	4.38
14)		1,2-Dichlorobe...	1.424	1.413	1.464	1.487	1.336	1.363	1.319	1.401	4.55
15)		Benzyl Alcohol	1.271	1.288	1.406	1.480	1.357	1.331	1.329	1.352	5.32
16)		2,2'-oxybis(1-...	2.021	2.026	2.037	2.138	1.933	1.930	1.821	1.986	5.10
17)		2-Methylphenol	1.137	1.182	1.252	1.322	1.209	1.193	1.167	1.209	5.08
18)		Hexachloroethane	0.488	0.505	0.507	0.523	0.484	0.491	0.474	0.496	3.32
19)	P	n-Nitroso-di-n...	1.168	1.227	1.238	1.362	1.234	1.174	1.141	1.220	5.96
20)		3+4-Methylphenols	1.623	1.706	1.774	1.898	1.752	1.703	1.683	1.734	5.02
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.500	0.482	0.512	0.521	0.476	0.498	0.477	0.495	3.58
23)	S	Nitrobenzene-d5	0.372	0.359	0.384	0.391	0.362	0.378	0.365	0.373	3.15
24)		Nitrobenzene	0.397	0.362	0.391	0.407	0.380	0.389	0.376	0.386	3.85
25)		Isophorone	0.708	0.699	0.726	0.781	0.714	0.727	0.716	0.724	3.69
26)	C	2-Nitrophenol	0.164	0.166	0.179	0.201	0.185	0.195	0.189	0.183	7.61
27)		2,4-Dimethylph...	0.266	0.260	0.282	0.300	0.274	0.287	0.277	0.278	4.71
28)		bis(2-Chloroet...	0.353	0.359	0.364	0.381	0.350	0.360	0.346	0.359	3.21
29)	C	2,4-Dichloroph...	0.305	0.313	0.340	0.355	0.330	0.345	0.339	0.332	5.38
30)		1,2,4-Trichlor...	0.363	0.346	0.362	0.376	0.348	0.365	0.349	0.358	3.14
31)		Naphthalene	1.051	1.010	1.076	1.120	1.015	1.067	1.023	1.052	3.79
32)		Benzoic acid		0.135	0.192	0.239	0.237	0.246	0.255	0.217	20.99
33)		4-Chloroaniline	0.429	0.418	0.456	0.485	0.448	0.465	0.464	0.452	5.06
34)	C	Hexachlorobuta...	0.231	0.220	0.233	0.238	0.221	0.235	0.222	0.229	3.17
35)		Caprolactam	0.147	0.131	0.144	0.136	0.126	0.132	0.140	0.137	5.54
36)	C	4-Chloro-3-met...	0.339	0.350	0.383	0.405	0.373	0.384	0.388	0.375	6.14
37)		2-Methylnaphth...	0.761	0.761	0.794	0.840	0.779	0.795	0.783	0.788	3.44
38)		1-Methylnaphth...	0.741	0.736	0.786	0.823	0.756	0.778	0.760	0.768	3.93

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.539	0.581	0.589	0.554	0.570	0.522	0.564	4.71
41)	P	Hexachlorocycl...	0.248	0.247	0.279	0.317	0.292	0.313	0.277	0.282	9.91
42)	S	2,4,6-Tribromo...	0.284	0.272	0.307	0.292	0.275	0.291	0.290	0.287	4.07
43)	C	2,4,6-Trichlor...	0.399	0.380	0.421	0.442	0.407	0.424	0.397	0.410	4.98
44)		2,4,5-Trichlor...	0.431	0.428	0.475	0.491	0.450	0.465	0.445	0.455	5.11
45)	S	2-Fluorobiphenyl	1.303	1.215	1.276	1.285	1.182	1.210	1.100	1.224	5.78
46)		1,1'-Biphenyl	1.366	1.299	1.370	1.396	1.293	1.341	1.230	1.328	4.29
47)		2-Chloronaphth...	1.098	1.044	1.107	1.125	1.052	1.083	1.010	1.074	3.79
48)		2-Nitroaniline	0.368	0.351	0.402	0.398	0.380	0.396	0.387	0.383	4.83
49)		Acenaphthylene	1.825	1.759	1.889	1.879	1.748	1.810	1.712	1.803	3.72
50)		Dimethylphthalate	1.710	1.593	1.702	1.628	1.523	1.588	1.510	1.608	4.89
51)		2,6-Dinitrotol...	0.316	0.320	0.339	0.344	0.324	0.340	0.333	0.331	3.32
52)	C	Acenaphthene	1.120	1.115	1.205	1.230	1.153	1.197	1.145	1.166	3.82
53)		3-Nitroaniline	0.381	0.364	0.412	0.391	0.364	0.390	0.383	0.384	4.41
54)	P	2,4-Dinitrophenol		0.146	0.196	0.211	0.205	0.223	0.227	0.201	14.66
55)		Dibenzofuran	1.873	1.791	1.912	1.890	1.752	1.804	1.716	1.820	4.07
56)	P	4-Nitrophenol	0.275	0.280	0.329	0.305	0.283	0.308	0.310	0.299	6.58
57)		2,4-Dinitrotol...	0.460	0.449	0.521	0.500	0.470	0.496	0.496	0.485	5.29
58)		Fluorene	1.563	1.467	1.591	1.530	1.416	1.470	1.422	1.494	4.58
59)		2,3,4,6-Tetrac...	0.423	0.418	0.463	0.474	0.439	0.473	0.453	0.449	5.13
60)		Diethylphthalate	1.835	1.681	1.829	1.677	1.568	1.650	1.614	1.693	6.04
61)		4-Chlorophenyl...	0.820	0.782	0.834	0.825	0.769	0.801	0.770	0.800	3.36
62)		4-Nitroaniline	0.467	0.395	0.455	0.404	0.377	0.401	0.399	0.414	8.06
63)		Azobenzene	1.474	1.424	1.523	1.479	1.367	1.419	1.377	1.438	3.96
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.093	0.098	0.115	0.130	0.127	0.129	0.131	0.118	13.74
66)	c	n-Nitrosodiphe...	0.516	0.515	0.525	0.570	0.528	0.531	0.508	0.528	3.88
67)		4-Bromophenyl-...	0.197	0.211	0.213	0.239	0.222	0.225	0.219	0.218	5.88
68)		Hexachlorobenzene	0.245	0.247	0.247	0.268	0.249	0.252	0.246	0.251	3.13
69)		Atrazine	0.261	0.213	0.219	0.212	0.186	0.188	0.177	0.208	13.52
70)	C	Pentachlorophenol	0.122	0.130	0.150	0.166	0.156	0.161	0.160	0.149	11.30
71)		Phenanthrene	1.075	1.026	1.070	1.096	1.001	1.012	0.982	1.037	4.15
72)		Anthracene	1.053	1.017	1.044	1.069	0.977	0.985	0.952	1.014	4.31
73)		Carbazole	1.035	0.947	0.986	0.973	0.884	0.903	0.879	0.944	6.15
74)		Di-n-butylphth...	1.350	1.156	1.212	1.174	1.072	1.099	1.070	1.162	8.51
75)	C	Fluoranthene	1.521	1.315	1.358	1.309	1.194	1.211	1.169	1.297	9.39
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.616	0.572	0.448	0.443	0.363	0.347	0.350	0.449	24.18
78)		Pyrene	1.353	1.339	1.400	1.408	1.284	1.312	1.236	1.333	4.61
79)	S	Terphenyl-d14	1.055	1.020	1.052	1.039	0.936	0.959	0.890	0.993	6.53
80)		Butylbenzylpht...	0.505	0.482	0.527	0.542	0.504	0.519	0.503	0.512	3.79
81)		Benzo(a)anthra...	1.318	1.243	1.321	1.344	1.240	1.278	1.214	1.280	3.84
82)		3,3'-Dichlorob...	0.452	0.428	0.453	0.465	0.425	0.433	0.417	0.439	4.02
83)		Chrysene	1.246	1.194	1.230	1.267	1.172	1.194	1.147	1.207	3.51
84)		Bis(2-ethylhex...	0.764	0.703	0.741	0.761	0.706	0.730	0.699	0.729	3.75
85)	c	Di-n-octyl pht...	1.232	1.173	1.247	1.279	1.185	1.223	1.169	1.215	3.41

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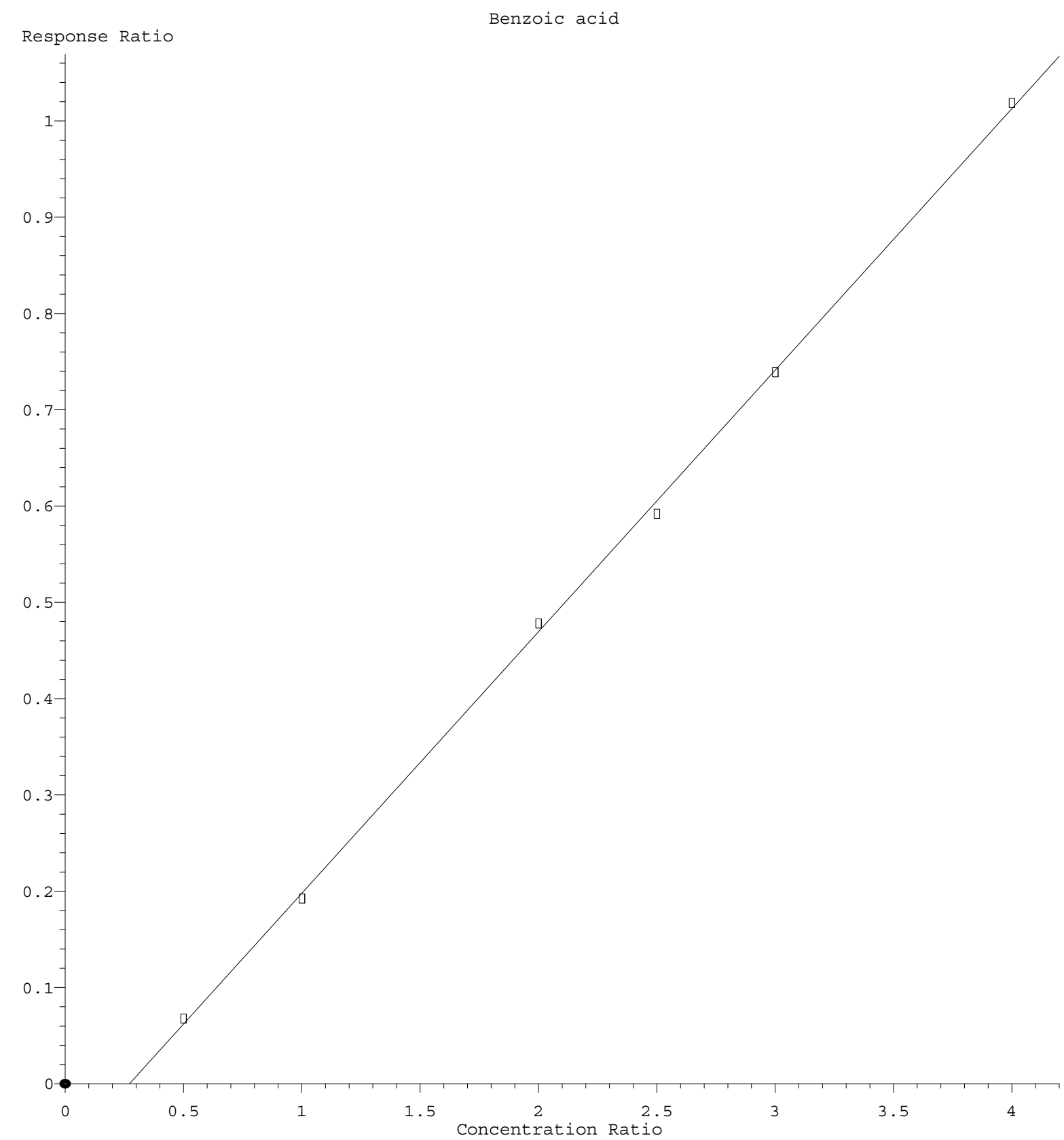
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.509	1.419	1.509	1.548	1.441	1.494	1.450	1.481	3.08
88)		Benzo(b)fluora...	1.211	1.162	1.228	1.243	1.151	1.192	1.158	1.192	3.06
89)		Benzo(k)fluora...	1.245	1.180	1.241	1.242	1.159	1.193	1.124	1.198	3.94
90)	C	Benzo(a)pyrene	1.038	0.987	1.050	1.061	0.988	1.023	0.989	1.019	3.09
91)		Dibenzo(a,h)an...	1.246	1.197	1.257	1.273	1.186	1.233	1.190	1.226	2.86
92)		Benzo(g,h,i)pe...	1.222	1.157	1.226	1.248	1.164	1.213	1.176	1.201	2.93

(#) = Out of Range



Response = 2.716e-001 * Amt - 7.394e-002
Coef of Det (r^2) = 0.999421 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG101322.M
Calibration Table Last Updated: Thu Oct 13 05:14:13 2022