Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG062723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 28 01:12:33 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG057865.D 5 =BG057866.D 10 =BG057867.D 20 =BG057868.D 40 =BG057869.D 50 =BG057870.D 60 =BG057871.D 80 =BG0578
72.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.723	0.629	0.638	0.584	0.569	0.549	0.503	0.599	11.91
3)		Pyridine		1.728	1.810	1.851	1.706	1.679	1.700	1.628	1.729	4.45
4)		n-Nitrosodimet...		0.741	0.750	0.749	0.701	0.686	0.700	0.661	0.713	4.84
5)	S	2-Fluorophenol		1.365	1.389	1.409	1.296	1.251	1.260	1.181	1.307	6.39
6)		Aniline		2.552	2.561	2.617	2.337	2.344	2.396	2.287	2.442	5.39
7)	S	Phenol-d6		1.998	2.072	2.133	1.905	1.865	1.914	1.796	1.955	6.09
8)		2-Chlorophenol		1.348	1.369	1.451	1.284	1.234	1.286	1.213	1.312	6.30
9)		Benzaldehyde			1.331	1.249	1.020	0.957	0.917		1.095	16.83
10)	C	Phenol		1.927	2.016	2.076	1.854	1.819	1.867	1.738	1.899	6.12
11)		bis(2-Chloroet...		1.499	1.525	1.529	1.387	1.362	1.407	1.316	1.432	5.95
12)		1,3-Dichlorobe...		1.481	1.438	1.433	1.325	1.257	1.292	1.221	1.350	7.49
13)	C	1,4-Dichlorobe...		1.469	1.463	1.431	1.330	1.274	1.302	1.222	1.356	7.27
14)		1,2-Dichlorobe...		1.399	1.419	1.412	1.280	1.242	1.258	1.175	1.312	7.42
15)		Benzyl Alcohol		1.452	1.509	1.542	1.367	1.382	1.453	1.376	1.440	4.76
16)		2,2'-oxybis(1-...		2.577	2.557	2.580	2.265	2.227	2.304	2.183	2.385	7.49
17)		2-Methylphenol		1.432	1.501	1.518	1.359	1.335	1.386	1.326	1.408	5.51
18)		Hexachloroethane		0.471	0.500	0.512	0.468	0.451	0.464	0.441	0.472	5.34
19)	P	n-Nitroso-di-n...	1.417	1.327	1.392	1.438	1.209	1.206	1.271	1.202	1.308	7.60
20)		3+4-Methylphenols		1.958	2.084	2.108	1.885	1.865	1.969	1.866	1.962	5.13
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.578	0.582	0.581	0.558	0.522	0.553	0.523	0.557	4.66
23)	S	Nitrobenzene-d5		0.414	0.406	0.419	0.413	0.393	0.414	0.398	0.408	2.37
24)		Nitrobenzene		0.403	0.413	0.427	0.417	0.388	0.418	0.400	0.410	3.19
25)		Isophorone		0.909	0.908	0.928	0.855	0.829	0.887	0.851	0.881	4.16
26)	C	2-Nitrophenol		0.146	0.153	0.170	0.174	0.169	0.179	0.177	0.167	7.47
27)		2,4-Dimethylph...		0.330	0.329	0.332	0.324	0.303	0.321	0.312	0.322	3.26
28)		bis(2-Chloroet...		0.476	0.490	0.506	0.466	0.443	0.473	0.460	0.474	4.35
29)	C	2,4-Dichloroph...		0.301	0.314	0.327	0.319	0.304	0.331	0.312	0.316	3.52
30)		1,2,4-Trichlor...		0.334	0.350	0.353	0.344	0.325	0.343	0.329	0.340	3.10
31)		Naphthalene		1.122	1.107	1.115	1.064	1.007	1.054	1.004	1.068	4.61
32)		Benzoic acid			0.215	0.220	0.248	0.252	0.293	0.283	0.252	12.72
33)		4-Chloroaniline		0.493	0.516	0.525	0.495	0.481	0.512	0.494	0.502	3.13
34)	C	Hexachlorobuta...		0.206	0.220	0.219	0.211	0.199	0.208	0.204	0.210	3.64
35)		Caprolactam		0.136	0.147	0.147	0.133	0.130	0.136	0.129	0.137	5.40
36)	C	4-Chloro-3-met...		0.420	0.444	0.441	0.406	0.393	0.420	0.408	0.419	4.46
37)		2-Methylnaphth...		0.810	0.824	0.834	0.766	0.744	0.782	0.749	0.787	4.60
38)		1-Methylnaphth...		0.765	0.787	0.793	0.719	0.698	0.739	0.705	0.744	5.18

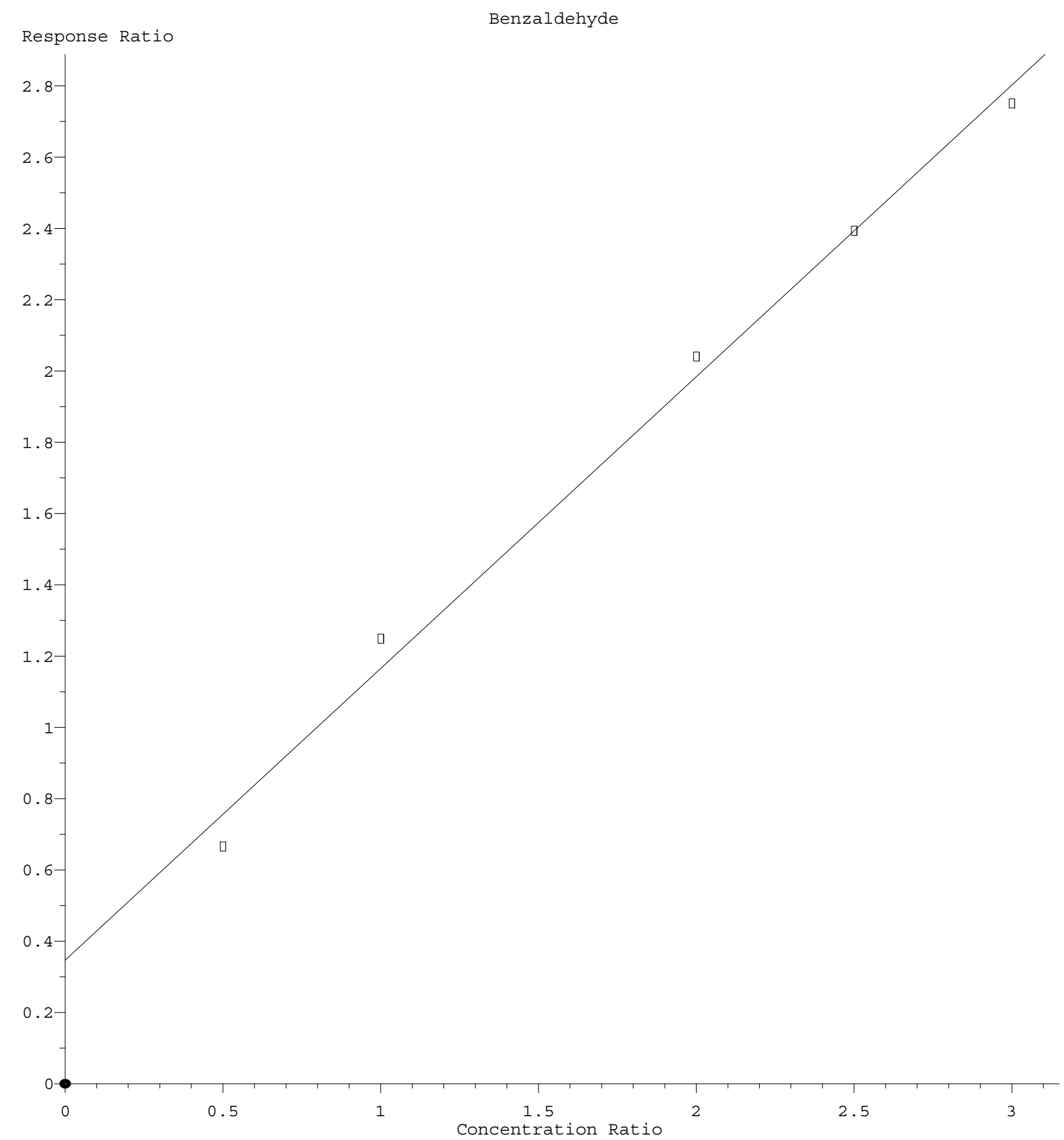
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG062723.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.573	0.566	0.587	0.570	0.537	0.552	0.532	0.560	3.57
41)	P	Hexachlorocycl...	0.265	0.274	0.310	0.320	0.307	0.316	0.314	0.301	7.31
42)	S	2,4,6-Tribromo...	0.335	0.354	0.352	0.345	0.330	0.326	0.310	0.336	4.69
43)	C	2,4,6-Trichlor...	0.401	0.406	0.433	0.420	0.402	0.416	0.409	0.412	2.77
44)		2,4,5-Trichlor...	0.472	0.480	0.520	0.503	0.485	0.498	0.478	0.491	3.45
45)	S	2-Fluorobiphenyl	1.445	1.409	1.397	1.308	1.223	1.232	1.160	1.311	8.36
46)		1,1'-Biphenyl	1.438	1.431	1.434	1.356	1.299	1.321	1.256	1.362	5.42
47)		2-Chloronaphth...	1.082	1.085	1.098	1.052	1.000	1.019	0.988	1.046	4.22
48)		2-Nitroaniline	0.377	0.396	0.424	0.436	0.421	0.439	0.426	0.417	5.36
49)		Acenaphthylene	1.905	1.937	1.952	1.823	1.759	1.786	1.681	1.835	5.48
50)		Dimethylphthalate	1.648	1.702	1.717	1.571	1.496	1.517	1.445	1.585	6.69
51)		2,6-Dinitrotol...	0.293	0.329	0.346	0.342	0.331	0.337	0.327	0.329	5.35
52)	C	Acenaphthene	1.094	1.116	1.157	1.074	1.022	1.049	0.991	1.072	5.30
53)		3-Nitroaniline	0.344	0.384	0.403	0.387	0.368	0.377	0.356	0.374	5.30
54)	P	2,4-Dinitrophenol		0.144	0.170	0.190	0.190	0.199	0.199	0.182	11.87
55)		Dibenzofuran	1.938	1.955	2.003	1.833	1.729	1.758	1.652	1.838	7.15
56)	P	4-Nitrophenol	0.274	0.307	0.331	0.335	0.305	0.304	0.290	0.307	6.87
57)		2,4-Dinitrotol...	0.434	0.466	0.506	0.509	0.483	0.483	0.461	0.478	5.53
58)		Fluorene	1.606	1.616	1.619	1.477	1.394	1.376	1.298	1.484	8.90
59)		2,3,4,6-Tetrac...	0.441	0.465	0.476	0.449	0.433	0.435	0.417	0.445	4.50
60)		Diethylphthalate	1.784	1.791	1.801	1.685	1.586	1.570	1.479	1.671	7.66
61)		4-Chlorophenyl...	0.828	0.857	0.867	0.785	0.752	0.759	0.723	0.796	6.96
62)		4-Nitroaniline	0.377	0.420	0.419	0.422	0.381	0.375	0.353	0.392	7.04
63)		Azobenzene	1.634	1.723	1.740	1.601	1.517	1.529	1.441	1.598	6.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.087	0.102	0.112	0.111	0.119	0.115	0.108	10.97
66)	c	n-Nitrosodiphe...	0.535	0.521	0.537	0.501	0.488	0.507	0.484	0.510	4.17
67)		4-Bromophenyl-...	0.218	0.210	0.220	0.205	0.203	0.215	0.207	0.211	3.06
68)		Hexachlorobenzene	0.232	0.224	0.233	0.222	0.214	0.222	0.214	0.223	3.40
69)		Atrazine	0.211	0.205	0.207	0.187	0.181	0.173	0.163	0.190	9.83
70)	C	Pentachlorophenol	0.152	0.166	0.177	0.176	0.174	0.178	0.171	0.170	5.41
71)		Phenanthrene	1.034	1.011	1.028	0.964	0.912	0.912	0.859	0.960	7.06
72)		Anthracene	1.054	1.052	1.058	1.000	0.937	0.942	0.887	0.990	6.93
73)		Carbazole	1.018	1.003	1.006	0.981	0.891	0.877	0.814	0.941	8.50
74)		Di-n-butylphth...	1.249	1.247	1.256	1.215	1.110	1.079	0.989	1.164	9.00
75)	C	Fluoranthene	1.339	1.309	1.315	1.261	1.129	1.098	1.015	1.209	10.54
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.542	0.490	0.518	0.455	0.418	0.392	0.469	12.40
78)		Pyrene	1.553	1.527	1.526	1.404	1.350	1.362	1.275	1.428	7.53
79)	S	Terphenyl-d14	1.243	1.213	1.203	1.075	1.009	1.006	0.930	1.097	11.19
80)		Butylbenzylpht...	0.591	0.586	0.608	0.591	0.564	0.572	0.543	0.579	3.70
81)		Benzo(a)anthra...	1.468	1.438	1.470	1.388	1.312	1.340	1.273	1.384	5.66
82)		3,3'-Dichlorob...	0.520	0.517	0.535	0.493	0.472	0.469	0.441	0.492	6.86
83)		Chrysene	1.378	1.373	1.393	1.301	1.251	1.266	1.208	1.310	5.51
84)		Bis(2-ethylhex...	0.885	0.863	0.885	0.821	0.778	0.783	0.740	0.822	6.98
85)	c	Di-n-octyl pht...	1.475	1.487	1.531	1.473	1.410	1.421	1.360	1.451	3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG062723.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.355	1.356	1.374	1.337	1.271	1.319	1.263	1.325	3.26
88)		Benzo(b)fluora...	1.121	1.130	1.147	1.097	1.049	1.080	1.013	1.091	4.35
89)		Benzo(k)fluora...	1.145	1.170	1.152	1.111	1.038	1.076	1.026	1.102	5.18
90)	C	Benzo(a)pyrene	1.118	1.130	1.122	1.091	1.034	1.063	1.006	1.081	4.44
91)		Dibenzo(a,h)an...	1.139	1.132	1.142	1.105	1.051	1.082	1.042	1.099	3.80
92)		Benzo(g,h,i)pe...	1.105	1.122	1.125	1.099	1.055	1.095	1.045	1.092	2.84

(#) = Out of Range



Response = 8.185e-001 * Amt + 3.465e-001
Coef of Det (r^2) = 0.992754 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG062723.M
Calibration Table Last Updated: Wed Jun 28 01:12:33 2023