Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG091823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 19 02:12:59 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG059080.D 5 =BG059081.D 10 =BG059082.D 20 =BG059083.D 40 =BG059084.D 50 =BG059085.D 60 =BG059086.D 80 =BG0590
87.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.657	0.799	0.618	0.571	0.521	0.624	0.582	0.624	14.17
3)		Pyridine		1.668	2.196	1.669	1.745	1.573	1.886	1.765	1.786	11.49
4)		n-Nitrosodimet...		0.826	1.083	0.826	0.911	0.783	0.920	0.906	0.893	11.05
5)	S	2-Fluorophenol		1.275	1.209	1.292	1.304	1.198	1.356	1.328	1.280	4.56
6)		Aniline		2.486	2.166	2.393	2.493	2.447	2.599	2.576	2.451	5.89
7)	S	Phenol-d6		1.797	1.692	1.936	1.955	1.868	2.049	2.021	1.903	6.65
8)		2-Chlorophenol		1.381	1.322	1.448	1.453	1.422	1.593	1.537	1.451	6.29
9)		Benzaldehyde		1.189	1.070	1.123	1.076	0.933	0.969	0.859	1.031	11.20
10)	C	Phenol		1.672	1.608	1.879	1.932	1.867	2.039	2.030	1.861	8.92
11)		bis(2-Chloroet...		1.411	1.354	1.513	1.509	1.462	1.543	1.546	1.477	4.89
12)		1,3-Dichlorobe...		1.481	1.359	1.446	1.491	1.429	1.612	1.524	1.478	5.36
13)	C	1,4-Dichlorobe...		1.414	1.392	1.519	1.528	1.421	1.536	1.547	1.479	4.55
14)		1,2-Dichlorobe...		1.411	1.288	1.475	1.438	1.413	1.537	1.509	1.439	5.69
15)		Benzyl Alcohol		1.187	1.222	1.434	1.369	1.374	1.475	1.470	1.362	8.49
16)		2,2'-oxybis(1-...		2.782	2.782	3.046	3.064	2.907	3.133	3.109	2.975	5.04
17)		2-Methylphenol		1.377	1.285	1.462	1.441	1.444	1.547	1.553	1.444	6.48
18)		Hexachloroethane		0.509	0.464	0.538	0.533	0.500	0.547	0.545	0.520	5.81
19)	P	n-Nitroso-di-n...	1.179	1.194	1.130	1.261	1.220	1.213	1.271	1.282	1.219	4.21
20)		3+4-Methylphenols		1.738	1.737	1.988	2.015	1.962	2.096	2.146	1.955	8.24
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.487	0.481	0.548	0.507	0.517	0.516	0.549	0.515	5.20
23)	S	Nitrobenzene-d5		0.348	0.341	0.384	0.383	0.376	0.383	0.402	0.374	5.74
24)		Nitrobenzene		0.321	0.344	0.372	0.361	0.364	0.369	0.385	0.359	5.92
25)		Isophorone		0.714	0.712	0.796	0.771	0.756	0.762	0.797	0.758	4.56
26)	C	2-Nitrophenol		0.141	0.147	0.167	0.170	0.175	0.174	0.186	0.166	9.64
27)		2,4-Dimethylph...		0.306	0.284	0.317	0.320	0.318	0.322	0.335	0.315	5.05
28)		bis(2-Chloroet...		0.425	0.418	0.452	0.428	0.424	0.425	0.441	0.430	2.76
29)	C	2,4-Dichloroph...		0.273	0.255	0.302	0.299	0.293	0.305	0.319	0.292	7.33
30)		1,2,4-Trichlor...		0.256	0.278	0.290	0.287	0.277	0.286	0.304	0.283	5.21
31)		Naphthalene		0.964	0.944	1.058	1.032	1.000	1.056	1.104	1.022	5.54
32)		Benzoic acid			0.157	0.225	0.221	0.237	0.250		0.218	16.53
33)		4-Chloroaniline		0.428	0.406	0.482	0.451	0.458	0.474	0.511	0.458	7.61
34)	C	Hexachlorobuta...		0.185	0.163	0.169	0.168	0.163	0.172	0.179	0.171	4.87
35)		Caprolactam		0.108	0.106	0.126	0.111	0.113	0.119	0.122	0.115	6.73
36)	C	4-Chloro-3-met...		0.316	0.302	0.344	0.338	0.351	0.351	0.381	0.340	7.55
37)		2-Methylnaphth...		0.704	0.642	0.751	0.720	0.726	0.739	0.799	0.726	6.59
38)		1-Methylnaphth...		0.646	0.621	0.711	0.670	0.683	0.703	0.753	0.684	6.38

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.495	0.469	0.494	0.495	0.493	0.535	0.532	0.502	4.64
41)	P	Hexachlorocycl...	0.249	0.248	0.262	0.274	0.281	0.296	0.308	0.274	8.33
42)	S	2,4,6-Tribromo...	0.209	0.219	0.249	0.229	0.224	0.243	0.238	0.230	6.09
43)	C	2,4,6-Trichlor...	0.303	0.337	0.382	0.366	0.369	0.399	0.414	0.367	10.24
44)		2,4,5-Trichlor...	0.396	0.375	0.447	0.430	0.443	0.477	0.482	0.436	9.02
45)	S	2-Fluorobiphenyl	1.301	1.279	1.381	1.315	1.317	1.407	1.376	1.339	3.58
46)		1,1'-Biphenyl	1.340	1.350	1.452	1.378	1.389	1.494	1.493	1.414	4.62
47)		2-Chloronaphth...	1.033	1.028	1.119	1.101	1.082	1.161	1.168	1.099	5.07
48)		2-Nitroaniline	0.330	0.339	0.433	0.401	0.413	0.431	0.446	0.399	11.66
49)		Acenaphthylene	1.677	1.725	1.891	1.799	1.777	1.929	1.924	1.817	5.48
50)		Dimethylphthalate	1.500	1.470	1.607	1.506	1.503	1.606	1.602	1.542	3.89
51)		2,6-Dinitrotol...	0.274	0.279	0.320	0.304	0.313	0.341	0.345	0.311	8.88
52)	C	Acenaphthene	0.961	0.960	1.078	1.049	1.014	1.082	1.094	1.034	5.48
53)		3-Nitroaniline	0.316	0.337	0.371	0.366	0.361	0.400	0.410	0.366	9.06
54)	P	2,4-Dinitrophenol		0.135	0.161	0.170	0.172	0.190	0.205	0.172	13.89
55)		Dibenzofuran	1.672	1.652	1.871	1.809	1.780	1.886	1.884	1.793	5.49
56)	P	4-Nitrophenol	0.235	0.254	0.293	0.283	0.295	0.308	0.321	0.284	10.57
57)		2,4-Dinitrotol...	0.330	0.366	0.432	0.434	0.436	0.458	0.477	0.419	12.43
58)		Fluorene	1.432	1.357	1.528	1.474	1.449	1.546	1.537	1.475	4.65
59)		2,3,4,6-Tetrac...	0.311	0.336	0.370	0.366	0.367	0.386	0.389	0.361	7.71
60)		Diethylphthalate	1.523	1.458	1.646	1.510	1.483	1.552	1.563	1.533	4.01
61)		4-Chlorophenyl...	0.602	0.633	0.715	0.678	0.658	0.694	0.689	0.667	5.85
62)		4-Nitroaniline	0.328	0.332	0.386	0.360	0.365	0.390	0.401	0.366	7.70
63)		Azobenzene	1.435	1.431	1.619	1.485	1.476	1.551	1.568	1.509	4.74
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.090	0.108	0.119	0.117	0.125	0.134	0.116	13.01
66)	c	n-Nitrosodiphe...	0.536	0.545	0.620	0.602	0.599	0.609	0.643	0.593	6.62
67)		4-Bromophenyl-...	0.185	0.184	0.200	0.191	0.192	0.198	0.207	0.194	4.26
68)		Hexachlorobenzene	0.198	0.179	0.211	0.197	0.199	0.204	0.216	0.201	6.03
69)		Atrazine	0.210	0.197	0.204	0.178	0.178	0.184	0.187	0.191	6.60
70)	C	Pentachlorophenol	0.133	0.135	0.164	0.156	0.159	0.166	0.172	0.155	9.88
71)		Phenanthrene	1.022	0.986	1.117	1.045	1.033	1.094	1.127	1.061	4.98
72)		Anthracene	1.018	1.026	1.142	1.101	1.081	1.119	1.142	1.090	4.69
73)		Carbazole	0.992	0.980	1.100	1.016	1.016	1.046	1.084	1.034	4.38
74)		Di-n-butylphth...	1.310	1.260	1.314	1.255	1.200	1.247	1.281	1.267	3.10
75)	C	Fluoranthene	1.234	1.214	1.333	1.239	1.203	1.224	1.285	1.248	3.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.484	0.450	0.391	0.413	0.441	0.379	0.405	0.423	8.68
78)		Pyrene	1.261	1.343	1.466	1.469	1.406	1.440	1.494	1.411	5.86
79)	S	Terphenyl-d14	1.066	1.075	1.168	1.093	1.013	1.016	1.010	1.063	5.37
80)		Butylbenzylpht...	0.532	0.544	0.592	0.595	0.592	0.600	0.638	0.585	6.12
81)		Benzo(a)anthra...	1.271	1.307	1.399	1.374	1.323	1.368	1.450	1.356	4.44
82)		3,3'-Dichlorob...	0.439	0.461	0.506	0.506	0.490	0.496	0.522	0.489	5.88
83)		Chrysene	1.220	1.245	1.351	1.313	1.274	1.314	1.382	1.300	4.42
84)		Bis(2-ethylhex...	0.823	0.813	0.922	0.893	0.878	0.920	0.975	0.889	6.46
85)	c	Di-n-octyl pht...	1.351	1.379	1.515	1.555	1.524	1.557	1.677	1.508	7.41

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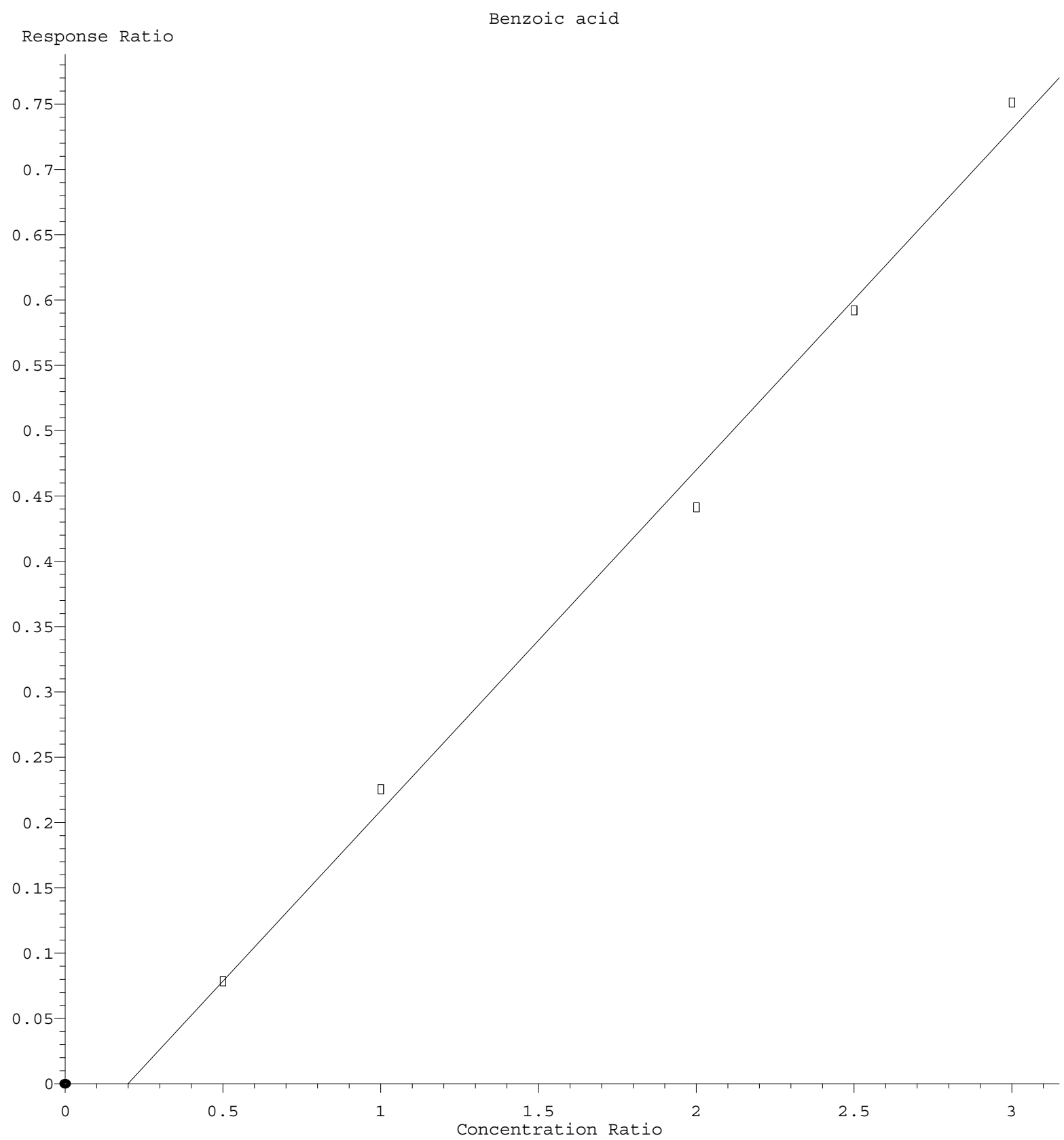
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.178	1.192	1.303	1.308	1.275	1.352	1.422	1.290	6.64
88)		Benzo(b)fluora...	1.084	1.078	1.207	1.165	1.129	1.198	1.237	1.157	5.35
89)		Benzo(k)fluora...	1.095	1.079	1.235	1.203	1.186	1.262	1.263	1.189	6.34
90)	C	Benzo(a)pyrene	1.048	1.054	1.168	1.151	1.123	1.184	1.222	1.136	5.74
91)		Dibenzo(a,h)an...	0.881	0.919	1.091	1.087	1.055	1.118	1.164	1.045	10.05
92)		Benzo(g,h,i)pe...	0.997	1.011	1.074	1.074	1.059	1.107	1.158	1.069	5.14

(#) = Out of Range



Response = 2.609e-001 * Amt - 5.189e-002
Coef of Det (r^2) = 0.994652 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG091823.M
Calibration Table Last Updated: Tue Sep 19 02:12:59 2023