Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 20 04:16:58 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136630.D 5 =BF136631.D 10 =BF136632.D 20 =BF136633.D 40 =BF136634.D 50 =BF136635.D 60 =BF136636.D 80 =BF1366
37.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.547	0.546	0.561	0.524	0.504	0.516	0.504	0.529	4.28
3)		Pyridine		1.375	1.293	1.396	1.276	1.272	1.259	1.226	1.300	4.80
4)		n-Nitrosodimet...		0.694	0.700	0.747	0.694	0.679	0.702	0.689	0.701	3.10
5)	S	2-Fluorophenol		1.400	1.349	1.411	1.275	1.219	1.204	1.160	1.288	7.76
6)		Aniline		1.781	1.720	1.818	1.623	1.541	1.545	1.455	1.640	8.30
7)	S	Phenol-d6		1.791	1.716	1.780	1.637	1.551	1.566	1.500	1.649	7.04
8)		2-Chlorophenol		1.509	1.497	1.512	1.411	1.322	1.330	1.278	1.408	7.06
9)		Benzaldehyde		1.114	1.056	1.081	0.917	0.782			0.990	13.96
10)	C	Phenol		1.906	1.832	1.924	1.720	1.669	1.658	1.594	1.758	7.39
11)		bis(2-Chloroet...		1.412	1.372	1.433	1.391	1.287	1.326	1.269	1.356	4.65
12)		1,3-Dichlorobe...		1.645	1.604	1.647	1.517	1.440	1.445	1.400	1.528	6.80
13)	C	1,4-Dichlorobe...		1.705	1.612	1.674	1.530	1.461	1.474	1.403	1.552	7.39
14)		1,2-Dichlorobe...		1.583	1.540	1.598	1.427	1.372	1.334	1.282	1.448	8.74
15)		Benzyl Alcohol		1.194	1.167	1.288	1.167	1.092	1.093	1.035	1.148	7.24
16)		2,2'-oxybis(1-...		2.349	2.300	2.439	2.238	2.091	2.098	2.012	2.218	7.04
17)		2-Methylphenol		1.241	1.142	1.253	1.151	1.092	1.091	1.053	1.146	6.67
18)		Hexachloroethane		0.587	0.578	0.615	0.571	0.534	0.538	0.522	0.563	5.92
19)	P	n-Nitroso-di-n...	1.087	1.060	1.073	1.106	1.028	0.952	0.954	0.919	1.022	6.96
20)		3+4-Methylphenols		1.600	1.550	1.614	1.429	1.341	1.309	1.259	1.443	10.10
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.542	0.532	0.530	0.498	0.466	0.478	0.457	0.500	6.91
23)	S	Nitrobenzene-d5		0.396	0.389	0.403	0.391	0.367	0.382	0.367	0.385	3.62
24)		Nitrobenzene		0.401	0.403	0.406	0.394	0.368	0.391	0.375	0.391	3.66
25)		Isophorone		0.760	0.733	0.756	0.729	0.665	0.708	0.678	0.718	5.11
26)	C	2-Nitrophenol		0.180	0.178	0.197	0.191	0.179	0.191	0.181	0.185	4.10
27)		2,4-Dimethylph...		0.249	0.239	0.246	0.231	0.216	0.232	0.216	0.233	5.63
28)		bis(2-Chloroet...		0.476	0.435	0.451	0.443	0.407	0.425	0.407	0.435	5.66
29)	C	2,4-Dichloroph...		0.296	0.294	0.308	0.294	0.274	0.285	0.268	0.288	4.75
30)		1,2,4-Trichlor...		0.347	0.337	0.345	0.329	0.299	0.314	0.299	0.325	6.35
31)		Naphthalene		1.199	1.139	1.154	1.102	1.011	1.046	0.998	1.093	7.01
32)		Benzoic acid		0.174	0.188	0.232	0.227	0.229	0.239	0.221	0.216	11.43
33)		4-Chloroaniline		0.429	0.418	0.424	0.412	0.380	0.401	0.382	0.407	4.81
34)	C	Hexachlorobuta...		0.217	0.203	0.209	0.202	0.184	0.191	0.182	0.198	6.51
35)		Caprolactam		0.103	0.098	0.105	0.093	0.091	0.095	0.090	0.096	5.94
36)	C	4-Chloro-3-met...		0.343	0.337	0.347	0.337	0.309	0.323	0.302	0.328	5.30
37)		2-Methylnaphth...		0.776	0.728	0.746	0.710	0.646	0.676	0.635	0.702	7.48
38)		1-Methylnaphth...		0.774	0.728	0.735	0.696	0.632	0.657	0.622	0.692	8.26

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121923.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.644	0.608	0.639	0.620	0.578	0.585	0.574	0.607	4.78
41)	P	Hexachlorocycl...		0.109	0.154	0.195	0.189	0.200	0.206	0.176	21.34
42)	S	2,4,6-Tribromo...	0.261	0.241	0.251	0.231	0.220	0.219	0.209	0.233	8.10
43)	C	2,4,6-Trichlor...	0.408	0.404	0.418	0.409	0.380	0.389	0.379	0.398	3.86
44)		2,4,5-Trichlor...	0.457	0.435	0.468	0.456	0.418	0.423	0.415	0.439	4.91
45)	S	2-Fluorobiphenyl	1.690	1.569	1.557	1.460	1.360	1.326	1.286	1.464	10.14
46)		1,1'-Biphenyl	1.850	1.730	1.775	1.693	1.556	1.570	1.528	1.672	7.35
47)		2-Chloronaphth...	1.352	1.274	1.335	1.288	1.196	1.207	1.186	1.263	5.34
48)		2-Nitroaniline	0.413	0.400	0.422	0.401	0.385	0.387	0.387	0.399	3.53
49)		Acenaphthylene	2.119	2.014	2.083	1.960	1.819	1.833	1.744	1.939	7.37
50)		Dimethylphthalate	1.574	1.454	1.507	1.426	1.351	1.385	1.342	1.434	5.90
51)		2,6-Dinitrotol...	0.352	0.333	0.348	0.321	0.311	0.314	0.309	0.327	5.49
52)	C	Acenaphthene	1.346	1.228	1.287	1.194	1.131	1.122	1.085	1.199	7.91
53)		3-Nitroaniline	0.373	0.363	0.371	0.346	0.331	0.338	0.336	0.351	5.02
54)	P	2,4-Dinitrophenol		0.126	0.162	0.175	0.171	0.183	0.183	0.167	12.82
55)		Dibenzofuran	2.064	1.907	1.946	1.812	1.681	1.667	1.577	1.808	9.68
56)	P	4-Nitrophenol	0.236	0.234	0.251	0.246	0.236	0.243	0.231	0.239	3.04
57)		2,4-Dinitrotol...	0.454	0.432	0.457	0.423	0.403	0.398	0.378	0.421	7.03
58)		Fluorene	1.635	1.538	1.546	1.420	1.330	1.332	1.244	1.435	9.90
59)		2,3,4,6-Tetrac...	0.363	0.340	0.379	0.341	0.327	0.327	0.313	0.342	6.63
60)		Diethylphthalate	1.696	1.550	1.574	1.471	1.406	1.394	1.349	1.491	8.20
61)		4-Chlorophenyl...	0.799	0.727	0.753	0.686	0.631	0.638	0.604	0.691	10.34
62)		4-Nitroaniline	0.377	0.356	0.370	0.342	0.331	0.342	0.313	0.347	6.42
63)		Azobenzene	1.504	1.433	1.470	1.408	1.326	1.333	1.278	1.393	5.96
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.095	0.106	0.125	0.130	0.121	0.127	0.123	0.118	10.95
66)	c	n-Nitrosodiphe...	0.725	0.676	0.683	0.676	0.611	0.628	0.602	0.657	6.79
67)		4-Bromophenyl-...	0.239	0.229	0.232	0.235	0.211	0.216	0.204	0.224	5.97
68)		Hexachlorobenzene	0.267	0.254	0.263	0.259	0.234	0.240	0.230	0.249	5.97
69)		Atrazine	0.187	0.178	0.167	0.136	0.114			0.156	19.43
70)	C	Pentachlorophenol	0.108	0.119	0.128	0.133	0.120	0.125	0.116	0.121	6.94
71)		Phenanthrene	1.160	1.084	1.091	1.039	0.957	0.987	0.913	1.033	8.34
72)		Anthracene	1.165	1.109	1.098	1.054	0.964	0.985	0.936	1.044	8.15
73)		Carbazole	1.113	1.047	1.047	0.970	0.887	0.925	0.859	0.978	9.62
74)		Di-n-butylphth...	1.325	1.256	1.260	1.206	1.130	1.130	1.061	1.195	7.76
75)	C	Fluoranthene	1.310	1.212	1.190	1.076	0.990	1.002	0.927	1.101	12.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	1.126	0.912	0.264	0.541	0.391	0.337	0.299	0.553	60.79
78)		Pyrene	1.938	1.882	2.082	2.154	1.850	2.031	1.873	1.973	5.95
79)	S	Terphenyl-d14	1.519	1.399	1.513	1.500	1.318	1.403	1.290	1.420	6.63
80)		Butylbenzylpht...	0.671	0.656	0.719	0.748	0.687	0.729	0.692	0.700	4.71
81)		Benzo(a)anthra...	1.549	1.429	1.453	1.413	1.267	1.337	1.258	1.387	7.60
82)		3,3'-Dichlorob...	0.436	0.413	0.406	0.388	0.346	0.330	0.310	0.376	12.60
83)		Chrysene	1.441	1.345	1.404	1.376	1.264	1.299	1.249	1.340	5.39
84)		Bis(2-ethylhex...	0.857	0.788	0.893	0.949	0.884	0.890	0.868	0.875	5.53
85)	c	Di-n-octyl pht...	1.262	1.164	1.340	1.479	1.433	1.405	1.468	1.364	8.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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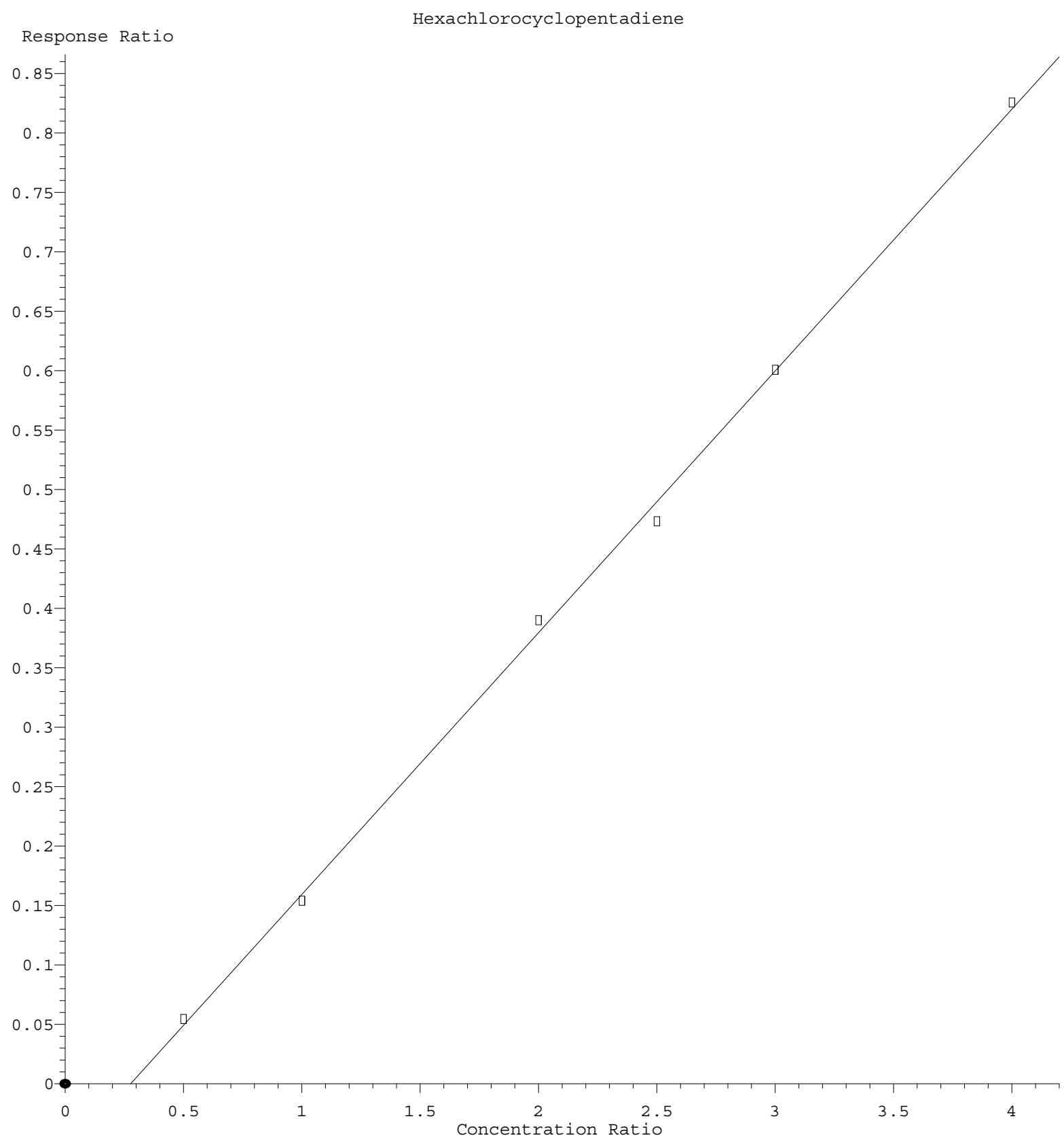
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.265	1.222	1.425	1.556	1.473	1.537	1.476	1.422	9.14
88)		Benzo(b)fluora...	1.492	1.412	1.395	1.392	1.261	1.277	1.171	1.343	8.21
89)		Benzo(k)fluora...	1.372	1.352	1.358	1.225	1.139	1.206	1.140	1.256	8.20
90)	C	Benzo(a)pyrene	1.224	1.153	1.178	1.150	1.077	1.106	1.057	1.135	5.15
91)		Dibenzo(a,h)an...	1.035	1.022	1.187	1.280	1.201	1.249	1.188	1.166	8.58
92)		Benzo(g,h,i)pe...	1.037	1.021	1.199	1.334	1.247	1.306	1.255	1.200	10.38

(#) = Out of Range



Response = 2.204e-001 * Amt - 6.114e-002
Coef of Det (r^2) = 0.998848 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121923.M
Calibration Table Last Updated: Wed Dec 20 04:16:58 2023