Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP120424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 05 01:54:03 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP023329.D 5 =BP023330.D 10 =BP023331.D 20 =BP023332.D 40 =BP023333.D 50 =BP023334.D 60 =BP023335.D 80 =BP0233
36.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.597	0.572	0.543	0.450	0.404	0.424	0.410	0.486	16.94
3)		Pyridine		1.189	1.229	1.295	1.247	1.071	1.167	1.152	1.193	6.10
4)		n-Nitrosodimet...		0.710	0.686	0.676	0.612	0.558	0.617	0.563	0.632	9.52
5)	S	2-Fluorophenol		0.992	1.011	1.039	1.027	0.967	1.137	1.086	1.037	5.56
6)		Aniline		1.215	1.302	1.267	1.327	0.925	0.966		1.167	15.07
7)	S	Phenol-d6		1.430	1.387	1.477	1.582	1.346	1.571	1.518	1.473	6.11
8)		2-Chlorophenol		1.104	1.065	1.086	1.128	0.956	1.128	1.091	1.080	5.47
9)		Benzaldehyde		1.046	0.968	0.989	0.662	0.576	0.447		0.781	32.21
10)	C	Phenol		1.446	1.412	1.499	1.581	1.354	1.571	1.517	1.483	5.63
11)		bis(2-Chloroet...		1.229	1.177	1.178	1.218	1.080	1.240	1.212	1.191	4.55
12)		1,3-Dichlorobe...		1.521	1.471	1.417	1.402	1.341	1.388	1.348	1.412	4.60
13)	C	1,4-Dichlorobe...		1.618	1.424	1.439	1.435	1.386	1.419	1.382	1.443	5.55
14)		1,2-Dichlorobe...		1.528	1.415	1.397	1.390	1.315	1.353	1.344	1.392	4.97
15)		Benzyl Alcohol		1.095	1.062	1.087	1.254	1.093	1.196	1.151	1.134	6.14
16)		2,2'-oxybis(1-...		1.595	1.488	1.495	1.419	1.238	1.363	1.220	1.403	9.87
17)		2-Methylphenol		0.982	0.927	0.989	1.066	0.940	1.004	0.985	0.985	4.63
18)		Hexachloroethane		0.598	0.566	0.574	0.547	0.517	0.537	0.515	0.551	5.56
19)	P	n-Nitroso-di-n...	1.135	1.082	1.079	1.095	1.163	0.941	1.025	0.983	1.063	7.09
20)		3+4-Methylphenols		1.253	1.279	1.339	1.515	1.303	1.389	1.383	1.351	6.53
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.552	0.547	0.546	0.530	0.524	0.548	0.514	0.537	2.69
23)	S	Nitrobenzene-d5		0.459	0.460	0.466	0.446	0.437	0.463	0.425	0.451	3.42
24)		Nitrobenzene		0.470	0.466	0.480	0.456	0.450	0.471	0.439	0.462	3.03
25)		Isophorone		0.756	0.748	0.767	0.792	0.716	0.767	0.731	0.754	3.34
26)	C	2-Nitrophenol		0.142	0.158	0.163	0.178	0.179	0.185	0.183	0.170	9.35
27)		2,4-Dimethylph...		0.195	0.182	0.193	0.204	0.198	0.204	0.200	0.196	3.99
28)		bis(2-Chloroet...		0.422	0.422	0.446	0.432	0.412	0.440	0.409	0.426	3.19
29)	C	2,4-Dichloroph...		0.304	0.305	0.330	0.359	0.344	0.354	0.360	0.337	7.21
30)		1,2,4-Trichlor...		0.456	0.437	0.439	0.444	0.450	0.443	0.438	0.444	1.60
31)		Naphthalene		1.074	1.032	1.015	0.991	0.983	1.014	0.976	1.012	3.34
32)		Benzoic acid			0.163	0.199	0.259	0.236	0.249	0.260	0.227	17.06
33)		4-Chloroaniline		0.303	0.323	0.327	0.363	0.316	0.304	0.277	0.316	8.35
34)	C	Hexachlorobuta...		0.357	0.336	0.329	0.326	0.335	0.323	0.325	0.333	3.50
35)		Caprolactam		0.077	0.095	0.089	0.120	0.097	0.103	0.110	0.099	14.31
36)	C	4-Chloro-3-met...		0.315	0.364	0.373	0.422	0.370	0.388	0.397	0.376	8.80
37)		2-Methylnaphth...		0.726	0.724	0.742	0.771	0.722	0.745	0.740	0.739	2.32
38)		1-Methylnaphth...		0.724	0.730	0.729	0.787	0.712	0.731	0.729	0.735	3.27

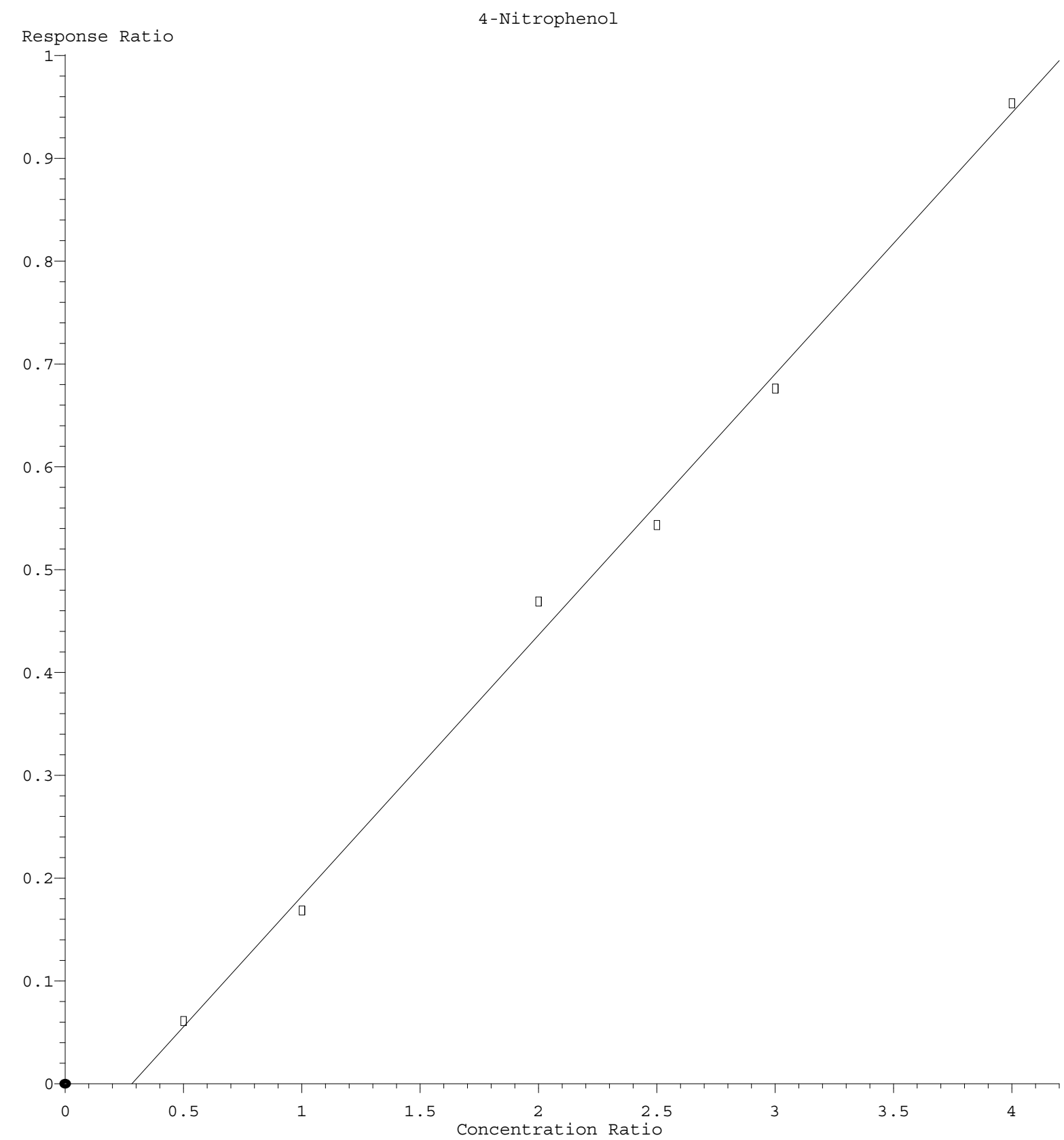
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP120424.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.728	0.657	0.700	0.660	0.708	0.695	0.683	0.690	3.70
41)	P	Hexachlorocycl...	0.128	0.145	0.189	0.186	0.218	0.215	0.196	0.182	18.65
42)	S	2,4,6-Tribromo...	0.306	0.315	0.303	0.397	0.360	0.332	0.394	0.344	11.68
43)	C	2,4,6-Trichlor...	0.375	0.377	0.414	0.433	0.441	0.448	0.445	0.419	7.52
44)		2,4,5-Trichlor...	0.407	0.423	0.457	0.484	0.488	0.488	0.510	0.465	8.13
45)	S	2-Fluorobiphenyl	1.495	1.349	1.442	1.339	1.413	1.421	1.357	1.402	4.06
46)		1,1'-Biphenyl	1.435	1.334	1.387	1.286	1.335	1.377	1.293	1.349	3.96
47)		2-Chloronaphth...	1.171	1.082	1.144	1.047	1.099	1.127	1.065	1.105	4.02
48)		2-Nitroaniline	0.268	0.312	0.340	0.351	0.331	0.364	0.337	0.329	9.60
49)		Acenaphthylene	1.552	1.522	1.582	1.541	1.521	1.567	1.516	1.543	1.64
50)		Dimethylphthalate	1.472	1.475	1.433	1.462	1.379	1.424	1.437	1.440	2.32
51)		2,6-Dinitrotol...	0.303	0.309	0.315	0.346	0.324	0.331	0.333	0.323	4.58
52)	C	Acenaphthene	1.026	0.998	1.024	0.985	0.981	1.004	0.976	0.999	2.01
53)		3-Nitroaniline	0.206	0.228	0.249	0.285	0.254	0.255	0.241	0.245	10.06
54)	P	2,4-Dinitrophenol		0.147	0.165	0.222	0.209	0.219	0.226	0.198	16.86
55)		Dibenzofuran	1.836	1.742	1.751	1.758	1.710	1.731	1.727	1.751	2.34
56)	P	4-Nitrophenol		0.122	0.169	0.234	0.217	0.225	0.238	0.201	23.00
57)		2,4-Dinitrotol...	0.391	0.443	0.440	0.509	0.471	0.490	0.500	0.463	8.96
58)		Fluorene	1.420	1.430	1.417	1.496	1.404	1.485	1.445	1.442	2.44
59)		2,3,4,6-Tetrac...	0.425	0.435	0.415	0.486	0.460	0.444	0.485	0.450	6.21
60)		Diethylphthalate	1.472	1.475	1.431	1.515	1.397	1.474	1.447	1.459	2.61
61)		4-Chlorophenyl...	0.848	0.836	0.830	0.877	0.842	0.858	0.872	0.852	2.09
62)		4-Nitroaniline	0.188	0.231	0.215	0.291	0.266	0.279	0.288	0.251	15.92
63)		Azobenzene	1.461	1.499	1.469	1.391	1.281	1.380	1.291	1.396	6.18
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.090	0.101	0.114	0.124	0.130	0.133	0.133	0.118	14.39
66)	c	n-Nitrosodiphe...	0.515	0.480	0.516	0.474	0.496	0.508	0.487	0.496	3.44
67)		4-Bromophenyl-...	0.243	0.220	0.243	0.235	0.243	0.238	0.236	0.237	3.48
68)		Hexachlorobenzene	0.299	0.269	0.287	0.287	0.297	0.285	0.302	0.289	3.88
69)		Atrazine	0.199	0.191	0.135	0.155	0.152	0.203	0.199	0.176	15.84
70)	C	Pentachlorophenol	0.154	0.157	0.166	0.191	0.188	0.183	0.200	0.177	10.06
71)		Phenanthrene	0.996	0.960	0.967	0.936	0.955	0.972	0.956	0.963	1.91
72)		Anthracene	0.936	0.897	0.929	0.915	0.935	0.936	0.916	0.923	1.59
73)		Carbazole	0.799	0.851	0.851	0.863	0.863	0.894	0.861	0.854	3.33
74)		Di-n-butylphth...	0.940	0.987	1.001	1.039	1.005	1.058	0.991	1.003	3.78
75)	C	Fluoranthene	1.294	1.351	1.277	1.344	1.320	1.367	1.329	1.326	2.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.293	0.167	0.512	0.183	0.225	0.328	0.290	40.56
78)		Pyrene	1.171	1.139	1.234	1.211	1.220	1.301	1.292	1.224	4.81
79)	S	Terphenyl-d14	1.054	0.999	1.105	1.103	1.088	1.133	1.115	1.085	4.17
80)		Butylbenzylpht...	0.362	0.379	0.420	0.426	0.423	0.468	0.424	0.414	8.35
81)		Benzo(a)anthra...	1.247	1.232	1.266	1.218	1.263	1.282	1.234	1.249	1.81
82)		3,3'-Dichlorob...	0.426	0.423	0.468	0.502	0.481	0.493	0.504	0.471	7.21
83)		Chrysene	1.243	1.199	1.211	1.149	1.185	1.230	1.178	1.200	2.69
84)		Bis(2-ethylhex...	0.532	0.567	0.612	0.624	0.623	0.691	0.640	0.613	8.34
85)	c	Di-n-octyl pht...	0.968	0.950	1.052	0.993	1.021	1.110	1.018	1.016	5.29

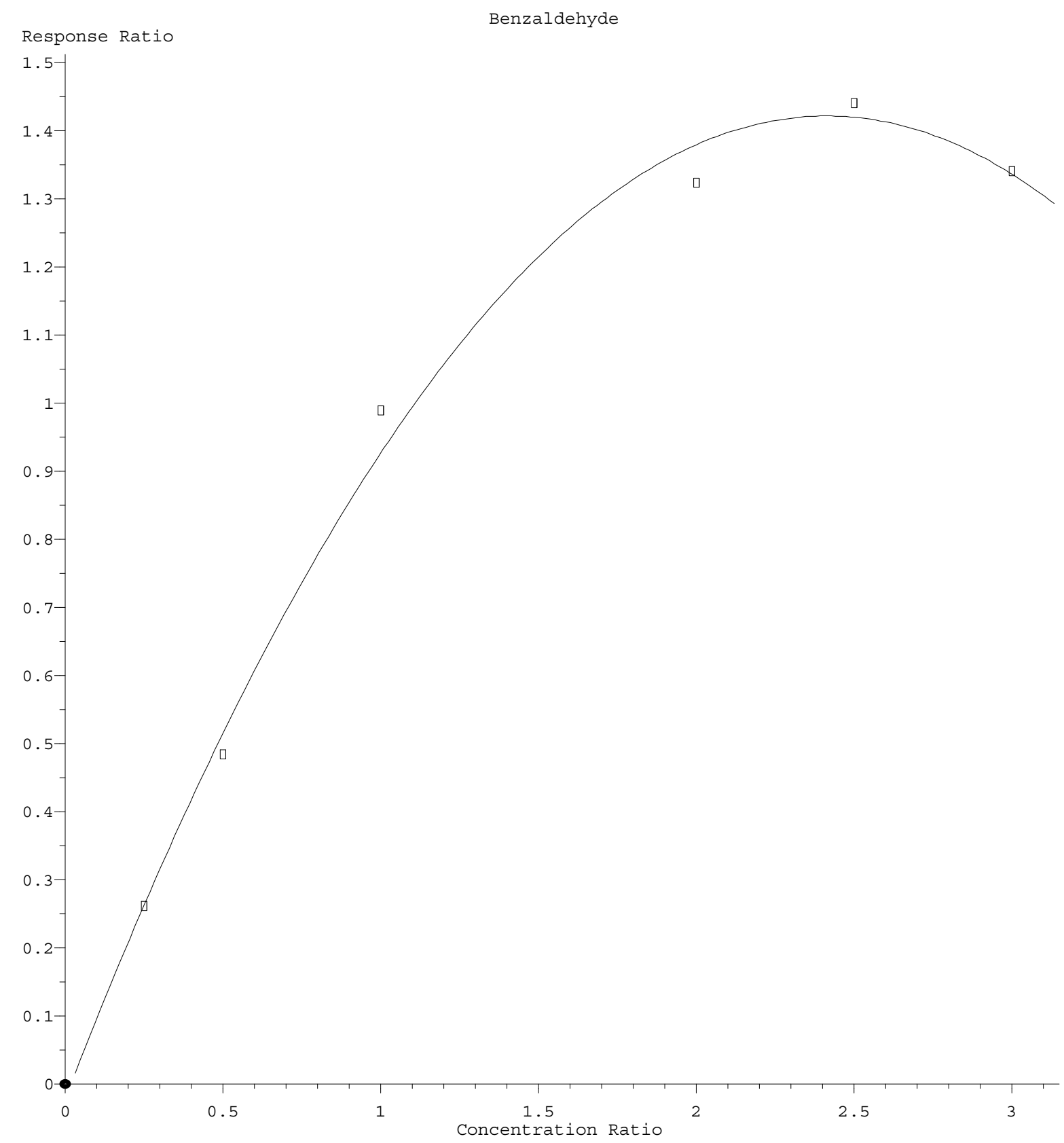
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP120424.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.410	1.231	1.359	1.356	1.377	1.391	1.383	1.358	4.34
88)		Benzo(b)fluora...	1.131	1.161	1.193	1.183	1.195	1.251	1.192	1.186	3.09
89)		Benzo(k)fluora...	1.173	1.117	1.125	1.144	1.099	1.157	1.137	1.136	2.18
90)	C	Benzo(a)pyrene	0.984	0.966	1.011	1.025	1.019	1.064	1.033	1.014	3.18
91)		Dibenzo(a,h)an...	1.166	1.009	1.109	1.112	1.119	1.138	1.132	1.112	4.44
92)		Benzo(g,h,i)pe...	1.188	1.028	1.122	1.120	1.147	1.152	1.139	1.128	4.39

(#) = Out of Range



Response = 2.539e-001 * Amt - 7.166e-002
Coef of Det (r^2) = 0.996341 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP120424.M
Calibration Table Last Updated: Thu Dec 05 01:54:03 2024



R = -2.477e-001 A*A + 1.196e+000 A - 2.095e-002
Coef of Det (r^2) = 0.993129 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP120424.M
Calibration Table Last Updated: Thu Dec 05 01:54:03 2024