

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142546.D
 Acq On : 23 May 2025 20:25
 Operator : RC/JU
 Sample : Q2109-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-02-MHFMSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/27/2025
 Supervised By :Jagrut Upadhyay 05/27/2025

Quant Time: May 23 22:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	125774	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	433915	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	183522	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	278305	20.000	ng	0.00
76) Chrysene-d12	14.074	240	249276	20.000	ng	0.00
86) Perylene-d12	15.568	264	193062	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	684576	91.700	ng	0.00
7) Phenol-d6	6.528	99	828496	92.193	ng	0.00
23) Nitrobenzene-d5	7.463	82	478640	60.149	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	175296	86.062	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	884875	64.700	ng	-0.01
79) Terphenyl-d14	13.010	244	789414	43.276	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.728	88	102881	34.439	ng	99
3) Pyridine	3.493	79	286356	37.642	ng	100
4) n-Nitrosodimethylamine	3.446	42	161883	40.984	ng	94
6) Aniline	6.563	93	335075	27.730	ng	100
8) 2-Chlorophenol	6.681	128	323821	39.823	ng	98
9) Benzaldehyde	6.451	77	196529	36.360	ng	99
10) Phenol	6.545	94	395271	39.090	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	291719	40.078	ng	100
12) 1,3-Dichlorobenzene	6.840	146	351057	38.690	ng	99
13) 1,4-Dichlorobenzene	6.916	146	350324	38.329	ng	99
14) 1,2-Dichlorobenzene	7.069	146	338097	38.659	ng	99
15) Benzyl Alcohol	7.040	79	259615	39.092	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	470964	38.529	ng	99
17) 2-Methylphenol	7.151	107	248634	39.164	ng	100
18) Hexachloroethane	7.410	117	120062	37.620	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	210574	37.809	ng	99
20) 3+4-Methylphenols	7.304	107	306279	37.673	ng	97
22) Acetophenone	7.310	105	407031	42.375	ng	99
24) Nitrobenzene	7.481	77	304815	42.471	ng	99
25) Isophorone	7.722	82	542109	40.746	ng	98
26) 2-Nitrophenol	7.798	139	168825	44.023	ng	97
27) 2,4-Dimethylphenol	7.834	122	287088	42.450	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	347613	41.826	ng	98
29) 2,4-Dichlorophenol	8.039	162	249102	40.502	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	273810	41.022	ng	98
31) Naphthalene	8.204	128	924796	43.284	ng	100
32) Benzoic acid	7.945	122	175053	42.522	ng	100
33) 4-Chloroaniline	8.251	127	90260	10.426	ng	97
34) Hexachlorobutadiene	8.322	225	170514	40.913	ng	99
35) Caprolactam	8.622	113	73755	42.698	ng	95
36) 4-Chloro-3-methylphenol	8.734	107	229426	36.399	ng	97
37) 2-Methylnaphthalene	8.892	142	532108	39.586	ng	100
38) 1-Methylnaphthalene	8.998	142	552439	39.733	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	246863	46.860	ng	99
41) Hexachlorocyclopentadiene	9.045	237	182543	51.365	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	162563	45.762	ng	97

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44) 2,4,5-Trichlorophenol	9.210	196	158413	42.283	ng	98
46) 1,1'-Biphenyl	9.357	154	668708	46.966	ng	100
47) 2-Chloronaphthalene	9.386	162	468397	44.526	ng	98
48) 2-Nitroaniline	9.481	65	136079	44.754	ng	97
49) Acenaphthylene	9.804	152	773447	43.542	ng	100
50) Dimethylphthalate	9.657	163	560234	46.264	ng	100
51) 2,6-Dinitrotoluene	9.722	165	115296	44.114	ng	97
52) Acenaphthene	9.975	154	498983	46.004	ng	100
53) 3-Nitroaniline	9.886	138	77270	27.068	ng	99
54) 2,4-Dinitrophenol	9.992	184	78350	58.025	ng	# 87
55) Dibenzofuran	10.145	168	683520	43.792	ng	99
56) 4-Nitrophenol	10.045	139	178857	84.915	ng	98
57) 2,4-Dinitrotoluene	10.122	165	145227	42.548	ng	99
58) Fluorene	10.486	166	538806	44.684	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	120920m	38.662	ng	
60) Diethylphthalate	10.357	149	510421	43.159	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	233164	39.362	ng	97
62) 4-Nitroaniline	10.498	138	99158	38.299	ng	97
63) Azobenzene	10.639	77	453716	42.713	ng	96
65) 4,6-Dinitro-2-methylph...	10.528	198	51994	33.476	ng	99
66) n-Nitrosodiphenylamine	10.598	169	413013	43.377	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	134666	40.923	ng	100
68) Hexachlorobenzene	11.033	284	143808	39.511	ng	97
69) Atrazine	11.122	200	123289	48.757	ng	99
70) Pentachlorophenol	11.227	266	188441	91.704	ng	99
71) Phenanthrene	11.451	178	923732	62.107	ng	100
72) Anthracene	11.504	178	714116	47.046	ng	100
73) Carbazole	11.657	167	631894	48.695	ng	100
74) Di-n-butylphthalate	11.986	149	706526	49.741	ng	100
75) Fluoranthene	12.645	202	1033784	74.386	ng	99
77) Benzidine	12.763	184	390295	42.074	ng	100
78) Pyrene	12.874	202	1044033	44.897	ng	99
80) Butylbenzylphthalate	13.486	149	327796	51.015	ng	99
81) Benzo(a)anthracene	14.063	228	831808	49.972	ng	98
82) 3,3'-Dichlorobenzidine	14.021	252	159355	31.563	ng	99
83) Chrysene	14.098	228	739930	49.471	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	461617	56.120	ng	100
85) Di-n-octyl phthalate	14.663	149	752033	46.758	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	505350	34.866	ng	99
88) Benzo(b)fluoranthene	15.127	252	711379	62.258	ng	97
89) Benzo(k)fluoranthene	15.157	252	484127	45.237	ng	97
90) Benzo(a)pyrene	15.504	252	539437	50.085	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	396291	33.712	ng	100
92) Benzo(g,h,i)perylene	17.539	276	410855	34.943	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

