

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
 Data File : BF143271.D
 Acq On : 30 Jul 2025 16:22
 Operator : RC/JU
 Sample : PB168971BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168971BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/31/2025
 Supervised By :mohammad ahmed 07/31/2025

Quant Time: Jul 30 16:43:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	110955	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	433977	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	229633	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	407884	20.000	ng	0.00
76) Chrysene-d12	14.133	240	252100	20.000	ng	0.01
86) Perylene-d12	15.633	264	223360	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	749966	106.962	ng	0.02
7) Phenol-d6	6.592	99	954260	108.128	ng	0.00
23) Nitrobenzene-d5	7.522	82	652339	74.928	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	305877	128.940	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1220344	72.680	ng	0.00
79) Terphenyl-d14	13.074	244	1284148	75.801	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.910	88	107983	32.548	ng	100
3) Pyridine	3.657	79	293747	34.112	ng	99
4) n-Nitrosodimethylamine	3.604	42	179091	40.281	ng	96
6) Aniline	6.622	93	360015	29.270	ng	# 89
8) 2-Chlorophenol	6.751	128	311447	42.377	ng	97
9) Benzaldehyde	6.510	77	196594	29.707	ng	97
10) Phenol	6.610	94	399386	41.541	ng	84
11) bis(2-Chloroethyl)ether	6.692	93	297654	40.435	ng	99
12) 1,3-Dichlorobenzene	6.904	146	329364	41.253	ng	99
13) 1,4-Dichlorobenzene	6.981	146	333259	41.449	ng	99
14) 1,2-Dichlorobenzene	7.134	146	318527	41.653	ng	100
15) Benzyl Alcohol	7.098	79	294997	43.777	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	535096	39.185	ng	97
17) 2-Methylphenol	7.210	107	260245	42.113	ng	98
18) Hexachloroethane	7.475	117	120447	43.273	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	229920	40.607	ng	99
20) 3+4-Methylphenols	7.363	107	314028	41.884	ng	# 76
22) Acetophenone	7.369	105	421349	41.009	ng	# 97
24) Nitrobenzene	7.539	77	346666	42.709	ng	99
25) Isophorone	7.781	82	633987	41.250	ng	98
26) 2-Nitrophenol	7.857	139	169188	48.028	ng	99
27) 2,4-Dimethylphenol	7.892	122	292468	40.730	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	377136	40.927	ng	99
29) 2,4-Dichlorophenol	8.098	162	262205	43.299	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	276608	42.281	ng	99
31) Naphthalene	8.263	128	895946	41.920	ng	100
32) Benzoic acid	8.010	122	172605	43.247	ng	99
33) 4-Chloroaniline	8.304	127	188358	21.583	ng	100
34) Hexachlorobutadiene	8.386	225	170235	42.596	ng	99
35) Caprolactam	8.681	113	89151m	48.719	ng	
36) 4-Chloro-3-methylphenol	8.792	107	289254	43.947	ng	98
37) 2-Methylnaphthalene	8.957	142	552386	42.473	ng	100
38) 1-Methylnaphthalene	9.057	142	570488	42.597	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	276636	41.726	ng	99
41) Hexachlorocyclopentadiene	9.116	237	340771	78.996	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	192511	41.956	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	205487	44.771	ng	98
46) 1,1'-Biphenyl	9.422	154	758765	42.351	ng	99
47) 2-Chloronaphthalene	9.445	162	554925	41.861	ng	99
48) 2-Nitroaniline	9.533	65	196618	47.296	ng	99
49) Acenaphthylene	9.863	152	946833	42.620	ng	100
50) Dimethylphthalate	9.716	163	671368	44.853	ng	100
51) 2,6-Dinitrotoluene	9.775	165	148794	48.866	ng	99
52) Acenaphthene	10.039	154	624989	47.598	ng	99
53) 3-Nitroaniline	9.945	138	113421	31.846	ng	100
54) 2,4-Dinitrophenol	10.057	184	159701	112.746	ng	# 1
55) Dibenzofuran	10.210	168	820871	42.107	ng	99
56) 4-Nitrophenol	10.110	139	246829	92.807	ng	98
57) 2,4-Dinitrotoluene	10.186	165	202868	53.104	ng	94
58) Fluorene	10.551	166	640925	43.805	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	175383	46.130	ng	99
60) Diethylphthalate	10.422	149	676727	45.742	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	317005	43.512	ng	99
62) 4-Nitroaniline	10.563	138	155962	51.094	ng	94
63) Azobenzene	10.698	77	663535	43.033	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	108295	50.348	ng	99
66) n-Nitrosodiphenylamine	10.657	169	577533	40.210	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	202276	41.613	ng	97
68) Hexachlorobenzene	11.104	284	210766	41.484	ng	99
69) Atrazine	11.180	200	189565	47.874	ng	99
70) Pentachlorophenol	11.298	266	256885	85.977	ng	99
71) Phenanthrene	11.516	178	921087	42.530	ng	100
72) Anthracene	11.569	178	931236	42.160	ng	100
73) Carbazole	11.716	167	858650	44.519	ng	99
74) Di-n-butylphthalate	12.045	149	1035670	47.457	ng	100
75) Fluoranthene	12.704	202	957182	48.151	ng	99
77) Benzidine	12.816	184	317193	32.657	ng	98
78) Pyrene	12.933	202	949653	44.138	ng	100
80) Butylbenzylphthalate	13.539	149	373061	56.625	ng	100
81) Benzo(a)anthracene	14.121	228	745315	44.159	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	145029	25.782	ng	99
83) Chrysene	14.157	228	657731	43.343	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	478245	47.959	ng	98
85) Di-n-octyl phthalate	14.715	149	742465	41.075	ng	98
87) Indeno(1,2,3-cd)pyrene	17.186	276	686196	43.568	ng	97
88) Benzo(b)fluoranthene	15.192	252	611193	44.792	ng	99
89) Benzo(k)fluoranthene	15.221	252	608953	50.011	ng	99
90) Benzo(a)pyrene	15.574	252	582015	46.294	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	560266	43.705	ng	99
92) Benzo(g,h,i)perylene	17.651	276	541871	43.697	ng	97

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

