

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143726.D
 Acq On : 12 Sep 2025 11:42
 Operator : RC/JU
 Sample : PB169661BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169661BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

Quant Time: Sep 12 12:03:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	35028	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	132353	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	72610	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	108626	20.000	ng	0.01
76) Chrysene-d12	14.063	240	67628	20.000	ng	0.02
86) Perylene-d12	15.545	264	78937	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	252024	122.756	ng	0.02
7) Phenol-d6	6.516	99	302897	121.169	ng	0.01
23) Nitrobenzene-d5	7.457	82	184367	86.645	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	92051	125.796	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	410692	85.442	ng	0.00
79) Terphenyl-d14	13.004	244	351324	84.185	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	34880	38.087	ng	95
3) Pyridine	3.516	79	89516	37.839	ng	95
4) n-Nitrosodimethylamine	3.469	42	39551	44.012	ng	99
6) Aniline	6.557	93	114979	34.728	ng	97
8) 2-Chlorophenol	6.681	128	99127	44.705	ng	94
9) Benzaldehyde	6.445	77	40049	19.857	ng	98
10) Phenol	6.534	94	123794	44.800	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	89827	43.525	ng	98
12) 1,3-Dichlorobenzene	6.834	146	111866	44.112	ng	98
13) 1,4-Dichlorobenzene	6.910	146	115061	44.952	ng	99
14) 1,2-Dichlorobenzene	7.063	146	110252	45.613	ng	99
15) Benzyl Alcohol	7.034	79	80834	44.454	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	109211	40.448	ng	96
17) 2-Methylphenol	7.140	107	79290	44.452	ng	99
18) Hexachloroethane	7.410	117	36092	43.650	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	67227	43.788	ng	96
20) 3+4-Methylphenols	7.292	107	102764	43.750	ng	94
22) Acetophenone	7.304	105	138061	46.187	ng	98
24) Nitrobenzene	7.475	77	95840	43.439	ng	97
25) Isophorone	7.716	82	179416	43.972	ng	99
26) 2-Nitrophenol	7.792	139	52390	48.295	ng	94
27) 2,4-Dimethylphenol	7.822	122	91079	46.769	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	110745	44.166	ng	99
29) 2,4-Dichlorophenol	8.028	162	85946	43.873	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	95201	46.909	ng	100
31) Naphthalene	8.198	128	290082	44.274	ng	99
32) Benzoic acid	7.934	122	60184	50.655	ng	99
33) 4-Chloroaniline	8.239	127	58213	25.522	ng	99
34) Hexachlorobutadiene	8.316	225	57333	43.311	ng	98
35) Caprolactam	8.610	113	22813m	43.754	ng	
36) 4-Chloro-3-methylphenol	8.722	107	82750	42.841	ng	95
37) 2-Methylnaphthalene	8.892	142	173118	38.599	ng	99
38) 1-Methylnaphthalene	8.986	142	181729	42.221	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	93226	44.848	ng	98
41) Hexachlorocyclopentadiene	9.045	237	131103	122.848	ng	98
43) 2,4,6-Trichlorophenol	9.163	196	62519	45.041	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	66246	46.946	ng	97
46) 1,1'-Biphenyl	9.357	154	241988	46.293	ng	99
47) 2-Chloronaphthalene	9.381	162	182152	44.449	ng	99
48) 2-Nitroaniline	9.469	65	49555	45.694	ng	95
49) Acenaphthylene	9.798	152	292352	49.803	ng	100
50) Dimethylphthalate	9.657	163	208083	44.046	ng	99
51) 2,6-Dinitrotoluene	9.716	165	44790	49.587	ng	92
52) Acenaphthene	9.969	154	190014	46.974	ng	100
53) 3-Nitroaniline	9.880	138	31295	32.195	ng	98
54) 2,4-Dinitrophenol	9.986	184	48927	99.240	ng	# 49
55) Dibenzofuran	10.139	168	256837	44.156	ng	99
56) 4-Nitrophenol	10.033	139	67608	87.423	ng	97
57) 2,4-Dinitrotoluene	10.116	165	59007	47.999	ng	96
58) Fluorene	10.486	166	199520	43.820	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	53483	46.743	ng	98
60) Diethylphthalate	10.357	149	189860	42.807	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	102471	44.376	ng	98
62) 4-Nitroaniline	10.498	138	39265	42.649	ng	98
63) Azobenzene	10.633	77	170449	43.471	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	29817	53.913	ng	98
66) n-Nitrosodiphenylamine	10.592	169	173695	48.810	ng	98
67) 4-Bromophenyl-phenylether	10.963	248	60427	46.130	ng	95
68) Hexachlorobenzene	11.027	284	64773	46.830	ng	95
69) Atrazine	11.116	200	51467	46.127	ng	98
70) Pentachlorophenol	11.222	266	79604	95.206	ng	98
71) Phenanthrene	11.445	178	272473	45.525	ng	100
72) Anthracene	11.498	178	276146	45.886	ng	100
73) Carbazole	11.651	167	224227	45.495	ng	100
74) Di-n-butylphthalate	11.980	149	264791	44.625	ng	100
75) Fluoranthene	12.633	202	240029	43.686	ng	99
77) Benzidine	12.751	184	63941	28.994	ng	99
78) Pyrene	12.863	202	235380	43.531	ng	99
80) Butylbenzylphthalate	13.480	149	85691	50.580	ng	98
81) Benzo(a)anthracene	14.051	228	203632	46.804	ng	98
82) 3,3'-Dichlorobenzidine	14.016	252	49003	36.611	ng	95
83) Chrysene	14.092	228	185654	46.591	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	126481	52.324	ng	98
85) Di-n-octyl phthalate	14.657	149	239312	55.247	ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	253596	47.073	ng	99
88) Benzo(b)fluoranthene	15.110	252	211593	45.030	ng	99
89) Benzo(k)fluoranthene	15.139	252	203558	47.999	ng	99
90) Benzo(a)pyrene	15.480	252	204835	49.619	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	211974	47.425	ng	99
92) Benzo(g,h,i)perylene	17.504	276	202222	48.370	ng	98

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

