Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
07/17/2025
Supervised By :Jagrut Upadhyay
07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	155046	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	589623	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	296871	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	461806	20.000	ng		0.00
76) Chrysene-d12	14.127	240	242870	20.000	ng		0.00
86) Perylene-d12	15.633	264	288284	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	985165	100.389	ng		0.02
7) Phenol-d6	6.587	99	1187920	96.301	ng		0.00
23) Nitrobenzene-d5	7.522	82	868402	82.622	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	335959	126.918	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1531577	68.578	ng		0.00
79) Terphenyl-d14	13.074	244	1141518	68.707	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.051	88	158532	32.453	ng	#	88
3) Pyridine	3.746	79	359677	29.076	ng		99
4) n-Nitrosodimethylamine	3.657	42	235146	36.690	ng		99
6) Aniline	6.628	93	248322	14.295	ng		99
8) 2-Chlorophenol	6.751	128	399351	40.503	ng		98
9) Benzaldehyde	6.516	77	208065	22.136	ng		99
10) Phenol	6.604	94	474280	35.516	ng		100
11) bis(2-Chloroethyl)ether	6.698	93	401788	38.865	ng		100
12) 1,3-Dichlorobenzene	6.910	146	401439	36.039	ng		99
13) 1,4-Dichlorobenzene	6.986	146	403710	36.025	ng		99
14) 1,2-Dichlorobenzene	7.139	146	390356	36.527	ng		100
15) Benzyl Alcohol	7.098	79	377846	41.339	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	712236	37.375	ng		99
17) 2-Methylphenol	7.210	107	341828	40.174	ng		99
18) Hexachloroethane	7.486	117	140139	38.414	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	303492	40.159	ng		99
20) 3+4-Methylphenols	7.363	107	420120	40.262	ng		97
22) Acetophenone	7.369	105	555372	39.074	ng	#	93
24) Nitrobenzene	7.545	77	436738	43.043	ng		99
25) Isophorone	7.781	82	836111	41.156	ng		99
26) 2-Nitrophenol	7.857	139	183091	45.388	ng		97
27) 2,4-Dimethylphenol	7.892	122	393628	41.746	ng		99
28) bis(2-Chloroethoxy)met...	7.992	93	511274	41.502	ng		99
29) 2,4-Dichlorophenol	8.098	162	331282	42.946	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	342733	39.150	ng		98
31) Naphthalene	8.269	128	1148259	39.217	ng		100
33) 4-Chloroaniline	8.310	127	45970	3.904	ng		98
34) Hexachlorobutadiene	8.392	225	205545	39.259	ng		99
35) Caprolactam	8.663	113	86853m	36.057	ng		
36) 4-Chloro-3-methylphenol	8.786	107	366909	42.700	ng		98
37) 2-Methylnaphthalene	8.963	142	713317	40.837	ng		100
38) 1-Methylnaphthalene	9.063	142	735969	40.624	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	345751	39.964	ng		99
41) Hexachlorocyclopentadiene	9.122	237	383185	79.887	ng		98
43) 2,4,6-Trichlorophenol	9.233	196	237559	44.192	ng		98
44) 2,4,5-Trichlorophenol	9.275	196	243096	43.128	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.428	154	957169	40.430	ng		99
47) 2-Chloronaphthalene	9.451	162	694587	39.937	ng		99
48) 2-Nitroaniline	9.539	65	227895	44.159	ng		96
49) Acenaphthylene	9.869	152	1183859	40.849	ng		99
50) Dimethylphthalate	9.722	163	822343	44.031	ng		100
51) 2,6-Dinitrotoluene	9.780	165	167499	45.539	ng		91
52) Acenaphthene	10.039	154	682900	39.930	ng		100
53) 3-Nitroaniline	9.945	138	97193	24.084	ng		99
54) 2,4-Dinitrophenol	10.045	184	22054	24.116	ng	#	1
55) Dibenzofuran	10.210	168	1040598	40.822	ng		99
56) 4-Nitrophenol	10.098	139	226579	70.644	ng		97
57) 2,4-Dinitrotoluene	10.180	165	214229	46.591	ng		99
58) Fluorene	10.557	166	764679	40.011	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	199674	44.577	ng		98
60) Diethylphthalate	10.422	149	771529	42.818	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	381957	41.698	ng		99
62) 4-Nitroaniline	10.557	138	152045	43.324	ng		98
63) Azobenzene	10.704	77	841015	42.203	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	29165	22.144	ng		98
66) n-Nitrosodiphenylamine	10.663	169	682136	42.051	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	230049	43.804	ng		98
68) Hexachlorobenzene	11.104	284	243166	43.638	ng		97
69) Atrazine	11.180	200	192588	46.405	ng		96
70) Pentachlorophenol	11.292	266	218021	71.314	ng		99
71) Phenanthrene	11.516	178	1028670	41.274	ng		100
72) Anthracene	11.569	178	1040808	41.528	ng		99
73) Carbazole	11.716	167	918194	40.894	ng		100
74) Di-n-butylphthalate	12.051	149	973531	47.235	ng		100
75) Fluoranthene	12.704	202	940517	41.503	ng		99
77) Benzidine	12.816	184	133752	16.165	ng		99
78) Pyrene	12.933	202	913146	40.522	ng		99
80) Butylbenzylphthalate	13.545	149	226545	49.895	ng		98
81) Benzo(a)anthracene	14.121	228	700338	43.273	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	72202	15.363	ng		99
83) Chrysene	14.157	228	626869	42.056	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	344266	50.248	ng		100
85) Di-n-octyl phthalate	14.727	149	680638	52.034	ng		98
87) Indeno(1,2,3-cd)pyrene	17.180	276	928932	43.324	ng		99
88) Benzo(b)fluoranthene	15.192	252	707624	42.554	ng		99
89) Benzo(k)fluoranthene	15.221	252	722763	45.560	ng		100
90) Benzo(a)pyrene	15.574	252	704754	44.811	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	764803	43.634	ng		99
92) Benzo(g,h,i)perylene	17.645	276	746877	41.795	ng		99

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

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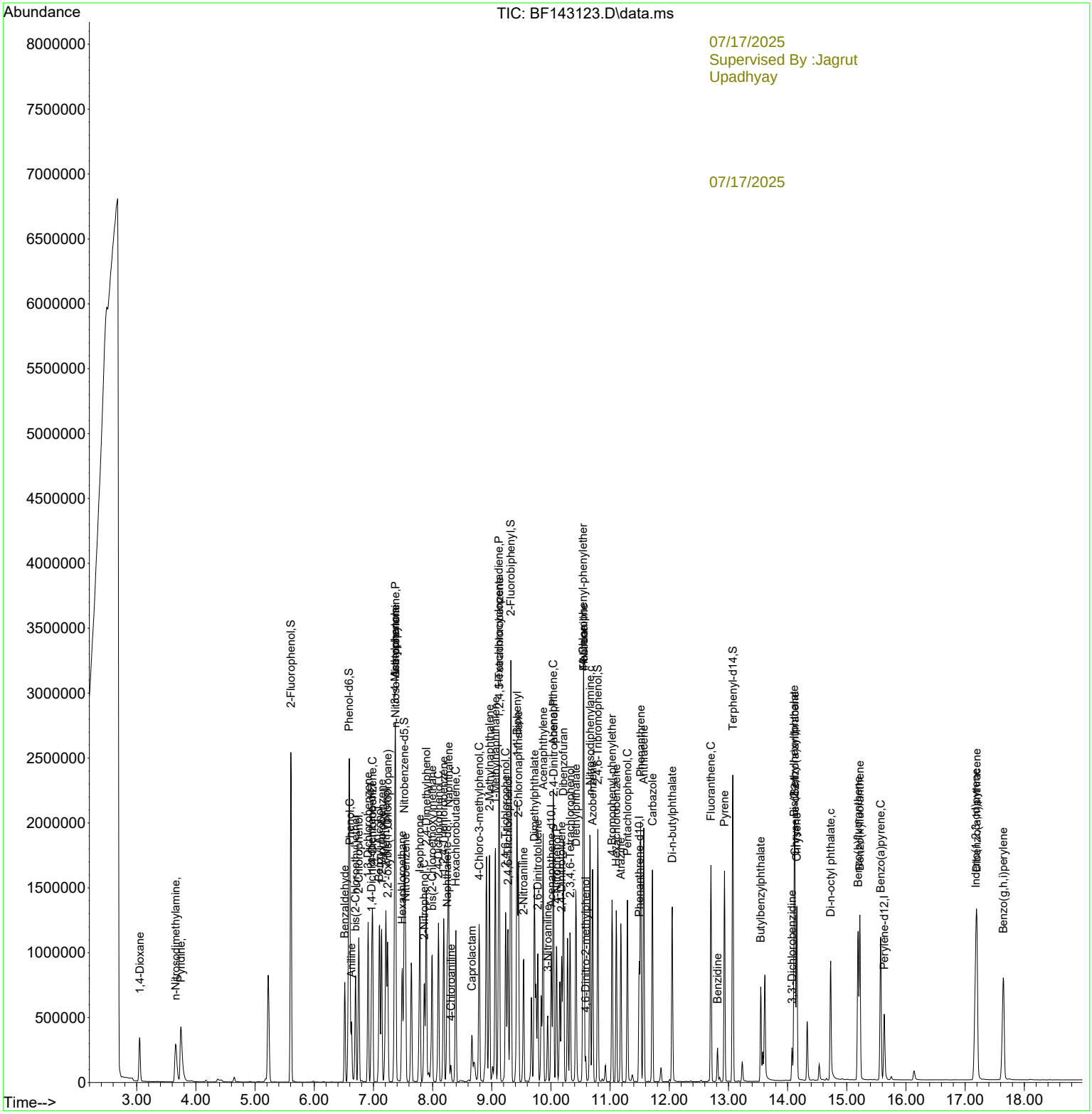
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