

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021620.D
 Acq On : 07 Sep 2022 09:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020335

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Quant Time: Sep 07 10:15:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	216789	20.000	ng/u1	0.00
20) Naphthalene-d8	10.893	136	984868	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	600445	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1234661	20.000	ng/u1	0.00
79) Chrysene-d12	21.663	240	1059277	20.000	ng/u1	0.00
88) Perylene-d12	24.180	264	990121	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	41412	7.172	ng/uL	0.00
4) Pyridine-d5	3.793	84	301594	19.165	ng/u1	0.00
7) Phenol-d5	7.210	99	367388	18.685	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	231569	19.457	ng/u1	0.00
11) 2-Chlorophenol-d4	7.581	132	283231	19.799	ng/u1	0.00
15) 4-Methylphenol-d8	8.775	113	294987	19.121	ng/u1	0.00
21) Nitrobenzene-d5	9.240	128	146344	21.810	ng/u1	0.00
24) 2-Nitrophenol-d4	9.963	143	145370	24.255	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.510	165	279253	21.039	ng/u1	0.00
31) 4-Chloroaniline-d4	11.028	131	418961	18.586	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	819083	19.958	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	975706	20.393	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	150915	18.479	ng/u1	0.00
60) Fluorene-d10	15.710	176	705610	19.759	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	118753	24.047	ng/u1	0.00
73) Anthracene-d10	17.569	188	1061154	19.503	ng/u1	0.00
81) Pyrene-d10	19.863	212	1154912	22.926	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.015	264	985606	21.001	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	45046	7.575	ng/uL	94
5) Pyridine	3.817	79	305446	19.290	ng/u1	88
6) Benzaldehyde	7.187	77	198999	23.294	ng/u1	95
8) Phenol	7.240	94	379226	18.664	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.475	93	315135	19.452	ng/u1	96
12) 2-Chlorophenol	7.616	128	297919	19.413	ng/u1	98
13) 2-Methylphenol	8.505	108	286829	18.580	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.599	45	412875	20.205	ng/u1	97
16) Acetophenone	8.893	105	457575	18.753	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.875	70	239737	19.732	ng/u1	92
18) 4-Methylphenol	8.840	108	321882	18.981	ng/u1	100
19) Hexachloroethane	9.152	117	119905	19.602	ng/u1	86
22) Nitrobenzene	9.281	77	350235	21.181	ng/u1	96
23) Isophorone	9.804	82	682275	20.038	ng/u1	99
25) 2-Nitrophenol	9.999	139	170960	24.351	ng/u1	93
26) 2,4-Dimethylphenol	10.052	107	343432	19.755	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.293	93	444046	20.825	ng/u1	99
29) 2,4-Dichlorophenol	10.534	162	278889	20.054	ng/u1	100
30) Naphthalene	10.946	128	995242	19.407	ng/u1	98
32) 4-Chloroaniline	11.057	127	438484	18.770	ng/u1	96
33) Hexachlorobutadiene	11.222	225	158499	19.783	ng/u1	98
34) Caprolactam	11.816	113	94504	17.765	ng/u1	85
35) 4-Chloro-3-methylphenol	12.175	107	322920	20.603	ng/u1	98
36) 2-Methylnaphthalene	12.551	142	677362	19.526	ng/u1	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021620.D
 Acq On : 07 Sep 2022 09:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020335

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Quant Time: Sep 07 10:15:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.769	142	675327	19.370	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.916	216	311608	20.238	ng/ul	97
40) Hexachlorocyclopentadiene	12.893	237	204060	22.261	ng/ul	91
41) 2,4,6-Trichlorophenol	13.151	196	217702	22.788	ng/ul	97
42) 2,4,5-Trichlorophenol	13.222	196	233095	22.237	ng/ul	94
43) 1,1'-Biphenyl	13.551	154	885814	20.187	ng/ul	99
44) 2-Chloronaphthalene	13.598	162	683659	20.351	ng/ul	98
45) 2-Nitroaniline	13.804	65	198967	23.614	ng/ul	91
47) Dimethylphthalate	14.169	163	844061	20.107	ng/ul	99
48) 2,6-Dinitrotoluene	14.292	165	168197	23.354	ng/ul	98
50) Acenaphthylene	14.440	152	1109916	20.095	ng/ul	99
51) 3-Nitroaniline	14.628	138	179134	22.327	ng/ul	98
52) Acenaphthene	14.781	153	716986	20.090	ng/ul	100
53) 2,4-Dinitrophenol	14.828	184	81362	23.077	ng/ul	98
55) 4-Nitrophenol	14.928	109	119057	18.186	ng/ul	93
56) Dibenzofuran	15.116	168	1018371	19.860	ng/ul	97
57) 2,4-Dinitrotoluene	15.075	165	240851	23.027	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.339	232	186869	23.226	ng/ul	96
59) Diethylphthalate	15.534	149	852490	20.137	ng/ul	99
61) Fluorene	15.763	166	771172	19.069	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.757	204	368563	19.770	ng/ul	99
63) 4-Nitroaniline	15.786	138	167096	20.753	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.839	198	124175	23.735	ng/ul	98
67) N-Nitrosodiphenylamine	15.969	169	685399	19.807	ng/ul	96
68) 4-Bromophenyl-phenylether	16.651	248	231844	21.114	ng/ul	96
69) Hexachlorobenzene	16.769	284	249668	19.101	ng/ul#	89
70) Atrazine	16.922	200	232994	19.028	ng/ul	96
71) Pentachlorophenol	17.116	266	156228	21.468	ng/ul	93
72) Phenanthrene	17.510	178	1245544	19.099	ng/ul	98
74) Anthracene	17.604	178	1286875	19.817	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.522	216	328325	20.893	ng/uL	94
76) Pentachlorobenzene	15.034	250	310495	20.742	ng/uL	97
77) Carbazole	17.875	167	1184634	19.304	ng/ul	99
78) Di-n-butylphthalate	18.428	149	1414042	20.438	ng/ul	99
80) Fluoranthene	19.527	202	1398612	23.018	ng/ul#	94
82) Pyrene	19.892	202	1433551	22.636	ng/ul#	93
83) Butylbenzylphthalate	20.780	149	630908	26.321	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.574	252	380341	18.831	ng/ul#	95
85) Benzo(a)anthracene	21.645	228	1286061	20.164	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.557	149	904587	24.648	ng/ul#	98
87) Chrysene	21.698	228	1289775	20.887	ng/ul	97
89) Di-n-octyl phthalate	22.521	149	1515296	26.127	ng/ul	100
90) Benzo(b)fluoranthene	23.404	252	1270216	21.087	ng/ul#	95
91) Benzo(k)fluoranthene	23.457	252	1231009	22.845	ng/ul	98
93) Benzo(a)pyrene	24.063	252	1207836	20.957	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.827	276	1193444	16.867	ng/ul	94
95) Dibenzo(a,h)anthracene	26.851	278	1005212m	16.834	ng/ul	
96) Benzo(g,h,i)perylene	27.645	276	1006571	16.303	ng/ul#	91

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

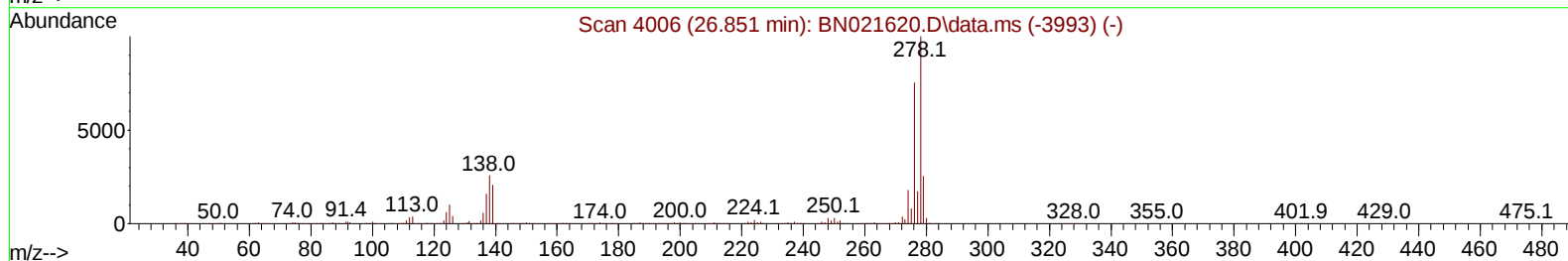
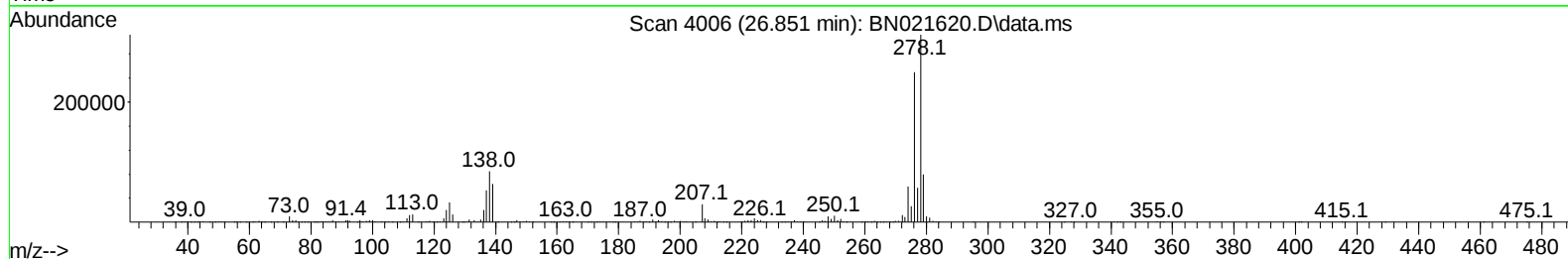
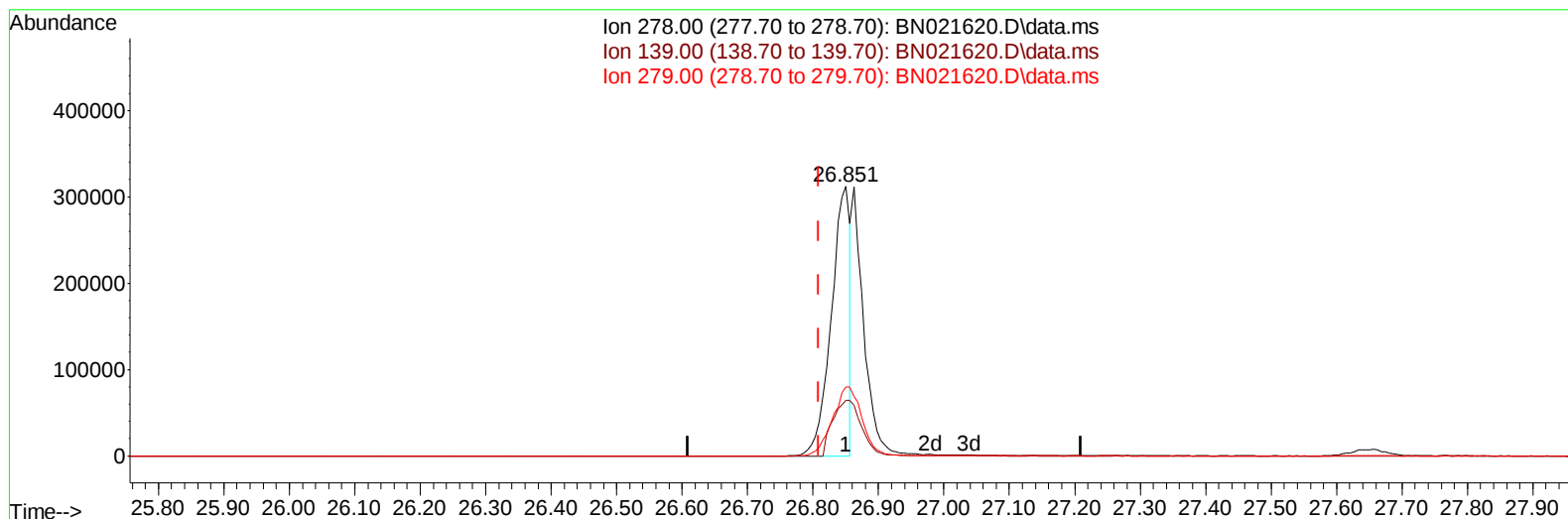
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
Data File : BN021620.D
Acq On : 07 Sep 2022 09:18
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD020335

Quant Time: Sep 20 01:14:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 17 00:17:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
Supervised By :mohammad ahmed 09/08/2022



TIC: BN021620.D\data.ms

(95) Dibenzo(a,h)anthracene

26.851min (+ 0.041) 10.44 ng/u1

response 623194

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	17.30	20.54
279.00	22.90	25.54
0.00	0.00	0.00

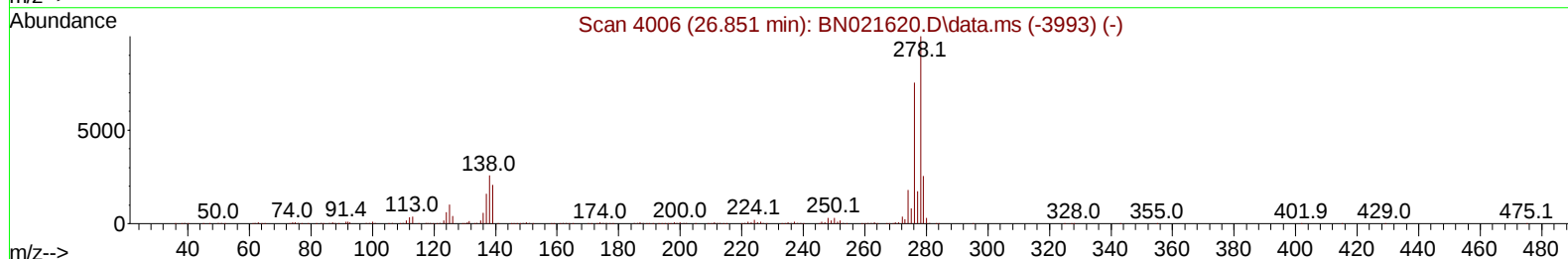
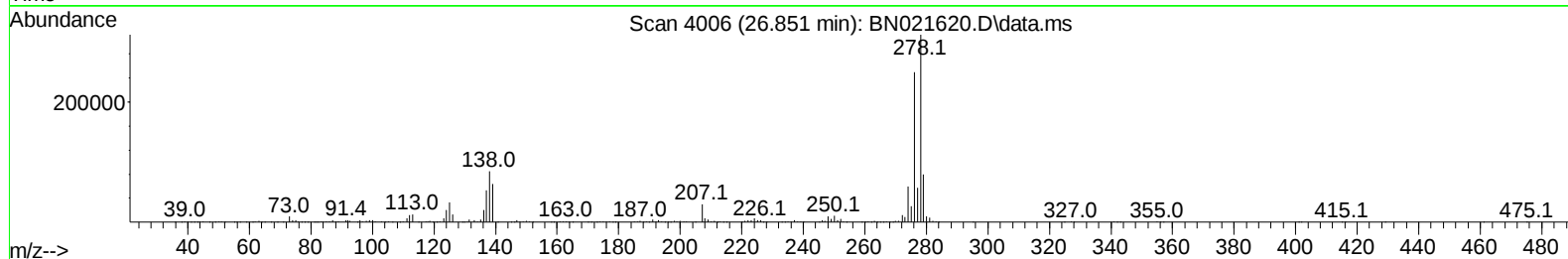
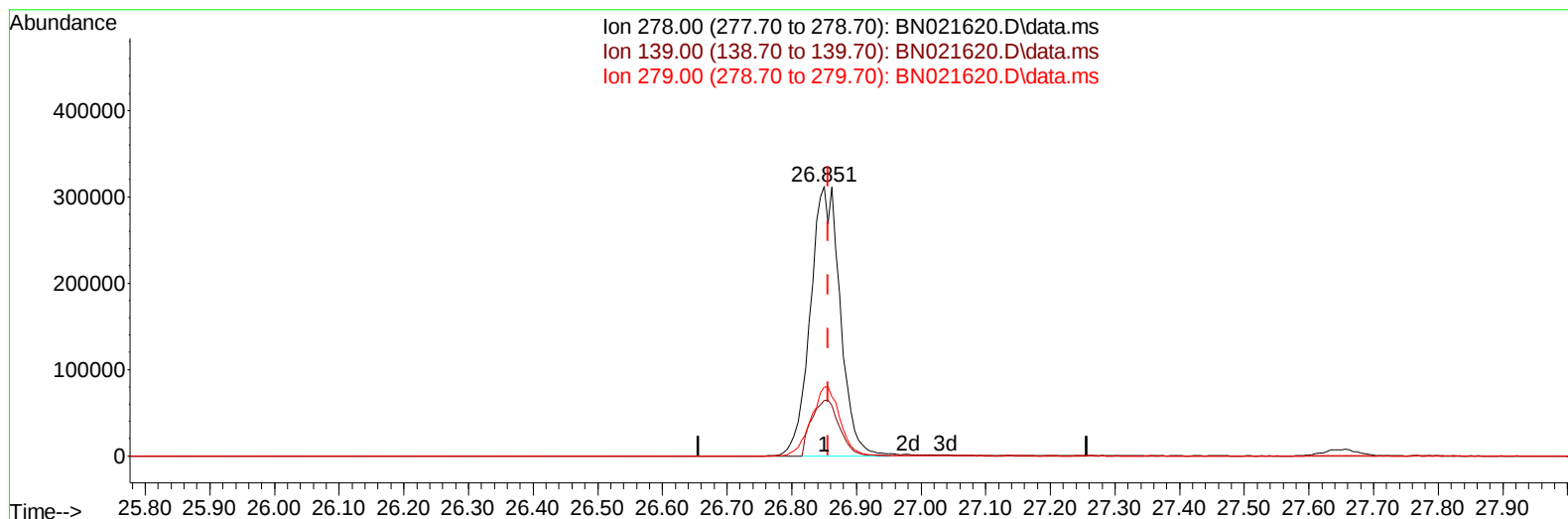
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
Data File : BN021620.D
Acq On : 07 Sep 2022 09:18
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD020335

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
Supervised By :mohammad ahmed 09/08/2022

Quant Time: Sep 07 10:15:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 07 01:01:49 2022
Response via : Initial Calibration



TIC: BN021620.D\data.ms

(95) Dibenzo(a,h)anthracene

26.851min (-0.006) 16.83 ng/ul m

response 1005212

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	17.30	20.54
279.00	22.90	25.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021620.D
 Acq On : 07 Sep 2022 09:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD020335

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Quant Time: Sep 07 10:15:43 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Sep 07 01:01:49 2022

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	216789	20.000	ng/ul	0.00
20) Naphthalene-d8	10.893	136	984868	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	600445	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.469	188	1234661	20.000	ng/ul	0.00
79) Chrysene-d12	21.663	240	1059277	20.000	ng/ul	0.00
88) Perylene-d12	24.180	264	990121	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	41412	7.172	ng/uL	0.00
4) Pyridine-d5	3.793	84	301594	19.165	ng/ul	0.00
7) Phenol-d5	7.210	99	367388	18.685	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	231569	19.457	ng/ul	0.00
11) 2-Chlorophenol-d4	7.581	132	283231	19.799	ng/ul	0.00
15) 4-Methylphenol-d8	8.775	113	294987	19.121	ng/ul	0.00
21) Nitrobenzene-d5	9.240	128	146344	21.810	ng/ul	0.00
24) 2-Nitrophenol-d4	9.963	143	145370	24.255	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.510	165	279253	21.039	ng/ul	0.00
31) 4-Chloroaniline-d4	11.028	131	418961	18.586	ng/ul	0.00
46) Dimethylphthalate-d6	14.122	166	819083	19.958	ng/ul	0.00
49) Acenaphthylene-d8	14.416	160	975706	20.393	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	150915	18.479	ng/ul	0.00
60) Fluorene-d10	15.710	176	705610	19.759	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	118753	24.047	ng/ul	0.00
73) Anthracene-d10	17.569	188	1061154	19.503	ng/ul	0.00
81) Pyrene-d10	19.863	212	1154912	22.926	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.015	264	985606	21.001	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	45046	7.575	ng/uL	94
5) Pyridine	3.817	79	305446	19.290	ng/ul	88
6) Benzaldehyde	7.187	77	198999	23.294	ng/ul	95
8) Phenol	7.240	94	379226	18.664	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.475	93	315135	19.452	ng/ul	96
12) 2-Chlorophenol	7.616	128	297919	19.413	ng/ul	98
13) 2-Methylphenol	8.505	108	286829	18.580	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.599	45	412875	20.205	ng/ul	97
16) Acetophenone	8.893	105	457575	18.753	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.875	70	239737	19.732	ng/ul	92
18) 4-Methylphenol	8.840	108	321882	18.981	ng/ul	100
19) Hexachloroethane	9.152	117	119905	19.602	ng/ul	86
22) Nitrobenzene	9.281	77	350235	21.181	ng/ul	96
23) Isophorone	9.804	82	682275	20.038	ng/ul	99
25) 2-Nitrophenol	9.999	139	170960	24.351	ng/ul	93
26) 2,4-Dimethylphenol	10.052	107	343432	19.755	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.293	93	444046	20.825	ng/ul	99
29) 2,4-Dichlorophenol	10.534	162	278889	20.054	ng/ul	100
30) Naphthalene	10.946	128	995242	19.407	ng/ul	98
32) 4-Chloroaniline	11.057	127	438484	18.770	ng/ul	96
33) Hexachlorobutadiene	11.222	225	158499	19.783	ng/ul	98
34) Caprolactam	11.816	113	94504	17.765	ng/ul	85
35) 4-Chloro-3-methylphenol	12.175	107	322920	20.603	ng/ul	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021620.D
 Acq On : 07 Sep 2022 09:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020335

Quant Time: Sep 07 10:15:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.551	142	677362	19.526	ng/ul	100
37) 1-Methylnaphthalene	12.769	142	675327	19.370	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.916	216	311608	20.238	ng/ul	97
40) Hexachlorocyclopentadiene	12.893	237	204060	22.261	ng/ul	91
41) 2,4,6-Trichlorophenol	13.151	196	217702	22.788	ng/ul	97
42) 2,4,5-Trichlorophenol	13.222	196	233095	22.237	ng/ul	94
43) 1,1'-Biphenyl	13.551	154	885814	20.187	ng/ul	99
44) 2-Chloronaphthalene	13.598	162	683659	20.351	ng/ul	98
45) 2-Nitroaniline	13.804	65	198967	23.614	ng/ul	91
47) Dimethylphthalate	14.169	163	844061	20.107	ng/ul	99
48) 2,6-Dinitrotoluene	14.292	165	168197	23.354	ng/ul	98
50) Acenaphthylene	14.440	152	1109916	20.095	ng/ul	99
51) 3-Nitroaniline	14.628	138	179134	22.327	ng/ul	98
52) Acenaphthene	14.781	153	716986	20.090	ng/ul	100
53) 2,4-Dinitrophenol	14.828	184	81362	23.077	ng/ul	98
55) 4-Nitrophenol	14.928	109	119057	18.186	ng/ul	93
56) Dibenzofuran	15.116	168	1018371	19.860	ng/ul	97
57) 2,4-Dinitrotoluene	15.075	165	240851	23.027	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.339	232	186869	23.226	ng/ul	96
59) Diethylphthalate	15.534	149	852490	20.137	ng/ul	99
61) Fluorene	15.763	166	771172	19.069	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.757	204	368563	19.770	ng/ul	99
63) 4-Nitroaniline	15.786	138	167096	20.753	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.839	198	124175	23.735	ng/ul	98
67) N-Nitrosodiphenylamine	15.969	169	685399	19.807	ng/ul	96
68) 4-Bromophenyl-phenylether	16.651	248	231844	21.114	ng/ul	96
69) Hexachlorobenzene	16.769	284	249668	19.101	ng/ul#	89
70) Atrazine	16.922	200	232994	19.028	ng/ul	96
71) Pentachlorophenol	17.116	266	156228	21.468	ng/ul	93
72) Phenanthrene	17.510	178	1245544	19.099	ng/ul	98
74) Anthracene	17.604	178	1286875	19.817	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.522	216	328325	20.893	ng/uL	94
76) Pentachlorobenzene	15.034	250	310495	20.742	ng/uL	97
77) Carbazole	17.875	167	1184634	19.304	ng/ul	99
78) Di-n-butylphthalate	18.428	149	1414042	20.438	ng/ul	99
80) Fluoranthene	19.527	202	1398612	23.018	ng/ul#	94
82) Pyrene	19.892	202	1433551	22.636	ng/ul#	93
83) Butylbenzylphthalate	20.780	149	630908	26.321	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.574	252	380341	18.831	ng/ul#	95
85) Benzo(a)anthracene	21.645	228	1286061	20.164	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.557	149	904587	24.648	ng/ul#	98
87) Chrysene	21.698	228	1289775	20.887	ng/ul	97
89) Di-n-octyl phthalate	22.521	149	1515296	26.127	ng/ul	100
90) Benzo(b)fluoranthene	23.404	252	1270216	21.087	ng/ul#	95
91) Benzo(k)fluoranthene	23.457	252	1231009	22.845	ng/ul	98
93) Benzo(a)pyrene	24.063	252	1207836	20.957	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.827	276	1193444	16.867	ng/ul	94
95) Dibenzo(a,h)anthracene	26.851	278	1005212m	16.834	ng/ul	
96) Benzo(g,h,i)perylene	27.645	276	1006571	16.303	ng/ul#	91

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

Instrument :

BNA_N

ClientSampleId :

SSTD020335

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
Supervised By :mohammad ahmed 09/08/2022

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021620.D
 Acq On : 07 Sep 2022 09:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020335

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Quant Time: Sep 07 10:15:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

