

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040724\
 Data File : BN030753.D
 Acq On : 07 Apr 2024 23:16
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020348

Quant Time: Apr 08 02:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Mar 31 12:24:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/08/2024
 Supervised By :mohammad ahmed 04/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	171484	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.469	136	809378	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.328	164	568706	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.075	188	1250092	20.000	ng/u1	-0.01
79) Chrysene-d12	21.316	240	1270116	20.000	ng/u1	-0.01
88) Perylene-d12	24.251	264	1455866	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	29735	8.130	ng/uL	-0.01
4) Pyridine-d5	3.593	84	233398	21.283	ng/u1	0.00
7) Phenol-d5	6.852	99	296832	21.398	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.022	67	178392	20.820	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.216	132	239250	22.735	ng/u1	-0.01
15) 4-Methylphenol-d8	8.387	113	253702	21.821	ng/u1	-0.01
21) Nitrobenzene-d5	8.840	128	124754	22.220	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.557	143	126803	24.688	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.087	165	256523	22.813	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.610	131	396968	21.444	ng/u1	-0.01
46) Dimethylphthalate-d6	13.745	166	845569	22.269	ng/u1	-0.01
49) Acenaphthylene-d8	14.022	160	985268	22.569	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.534	143	163584	22.523	ng/u1	0.00
60) Fluorene-d10	15.322	176	740382	22.283	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.445	200	115962	21.016	ng/u1	0.00
73) Anthracene-d10	17.175	188	1196371	22.212	ng/u1	-0.01
81) Pyrene-d10	19.474	212	1457317	21.341	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.045	264	1478781	22.044	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.222	88	31429	8.022	ng/uL	94
5) Pyridine	3.616	79	233867	21.135	ng/u1	99
6) Benzaldehyde	6.834	77	170665	26.418	ng/u1	98
8) Phenol	6.881	94	305205	21.119	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.116	93	255150	21.651	ng/u1	98
12) 2-Chlorophenol	7.252	128	250648	22.203	ng/u1	96
13) 2-Methylphenol	8.122	108	241730	21.707	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.204	45	333429	20.093	ng/u1	97
16) Acetophenone	8.504	105	403931	22.005	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.493	70	201561	21.801	ng/u1	96
18) 4-Methylphenol	8.451	108	268576	21.544	ng/u1	96
19) Hexachloroethane	8.751	117	103389	21.844	ng/u1	98
22) Nitrobenzene	8.881	77	296789	21.654	ng/u1	100
23) Isophorone	9.404	82	587934	21.509	ng/u1	99
25) 2-Nitrophenol	9.587	139	145506	24.104	ng/u1	97
26) 2,4-Dimethylphenol	9.646	107	294601	21.958	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.887	93	369857	21.282	ng/u1	99
29) 2,4-Dichlorophenol	10.116	162	260701	22.714	ng/u1	99
30) Naphthalene	10.516	128	890305	21.447	ng/u1	98
32) 4-Chloroaniline	10.634	127	385523	21.609	ng/u1	98
33) Hexachlorobutadiene	10.798	225	156532	21.667	ng/u1	96
34) Caprolactam	11.404	113	91788	21.407	ng/u1	92
35) 4-Chloro-3-methylphenol	11.757	107	293002	22.666	ng/u1	99
36) 2-Methylnaphthalene	12.134	142	633846	21.864	ng/u1	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040724\
 Data File : BN030753.D
 Acq On : 07 Apr 2024 23:16
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020348

Quant Time: Apr 08 02:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Mar 31 12:24:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/08/2024
 Supervised By :mohammad ahmed 04/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.357	142	638483	21.696	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.504	216	324172	22.088	ng/ul	96
40) Hexachlorocyclopentadiene	12.481	237	160775	19.290	ng/ul	98
41) 2,4,6-Trichlorophenol	12.751	196	210470	22.949	ng/ul	91
42) 2,4,5-Trichlorophenol	12.822	196	237424	22.923	ng/ul	94
43) 1,1'-Biphenyl	13.157	154	842651	21.738	ng/ul	98
44) 2-Chloronaphthalene	13.198	162	666747	21.850	ng/ul	98
45) 2-Nitroaniline	13.410	65	183323	22.575	ng/ul	95
47) Dimethylphthalate	13.792	163	867796	22.125	ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	170506	23.446	ng/ul	99
50) Acenaphthylene	14.045	152	1136493	22.531	ng/ul	100
51) 3-Nitroaniline	14.239	138	180295	23.358	ng/ul	100
52) Acenaphthene	14.392	153	755261	22.468	ng/ul	99
53) 2,4-Dinitrophenol	14.445	184	63841	19.113	ng/ul	97
55) 4-Nitrophenol	14.545	109	127507	22.159	ng/ul	98
56) Dibenzofuran	14.728	168	1027414	21.988	ng/ul	98
57) 2,4-Dinitrotoluene	14.698	165	256708	24.179	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.957	232	204962	23.827	ng/ul	97
59) Diethylphthalate	15.163	149	894690	22.453	ng/ul	99
61) Fluorene	15.381	166	838373	22.573	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.381	204	405505	22.254	ng/ul	99
63) 4-Nitroaniline	15.404	138	191661	25.541	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.457	198	128952	21.750	ng/ul	95
67) N-Nitrosodiphenylamine	15.592	169	743261	21.832	ng/ul	99
68) 4-Bromophenyl-phenylether	16.275	248	256824	21.635	ng/ul	99
69) Hexachlorobenzene	16.375	284	302307	21.627	ng/ul	98
70) Atrazine	16.551	200	259056	21.954	ng/ul	97
71) Pentachlorophenol	16.722	266	184788	22.422	ng/ul	94
72) Phenanthrene	17.116	178	1426019	22.203	ng/ul	100
74) Anthracene	17.210	178	1446523	22.279	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.116	216	327520	21.326	ng/uL	99
76) Pentachlorobenzene	14.645	250	330402	21.180	ng/uL	95
77) Carbazole	17.480	167	1360088	23.887	ng/ul	99
78) Di-n-butylphthalate	18.051	149	1642488	23.646	ng/ul	100
80) Fluoranthene	19.139	202	1699672	20.938	ng/ul	97
82) Pyrene	19.504	202	1795274	20.941	ng/ul	100
83) Butylbenzylphthalate	20.416	149	781277	23.864	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.227	252	577062	24.726	ng/ul	100
85) Benzo(a)anthracene	21.292	228	1860699	21.951	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.227	149	1149648	23.811	ng/ul	99
87) Chrysene	21.357	228	1752262	21.901	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	1980209	21.478	ng/ul	100
90) Benzo(b)fluoranthene	23.321	252	1826809	21.321	ng/ul	97
91) Benzo(k)fluoranthene	23.380	252	1880865	21.616	ng/ul	99
93) Benzo(a)pyrene	24.110	252	1723004	21.288	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.551	276	1942617m	22.203	ng/ul	
95) Dibenzo(a,h)anthracene	27.609	278	1633656	22.180	ng/ul	95
96) Benzo(g,h,i)perylene	28.574	276	1559529	22.705	ng/ul	96

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

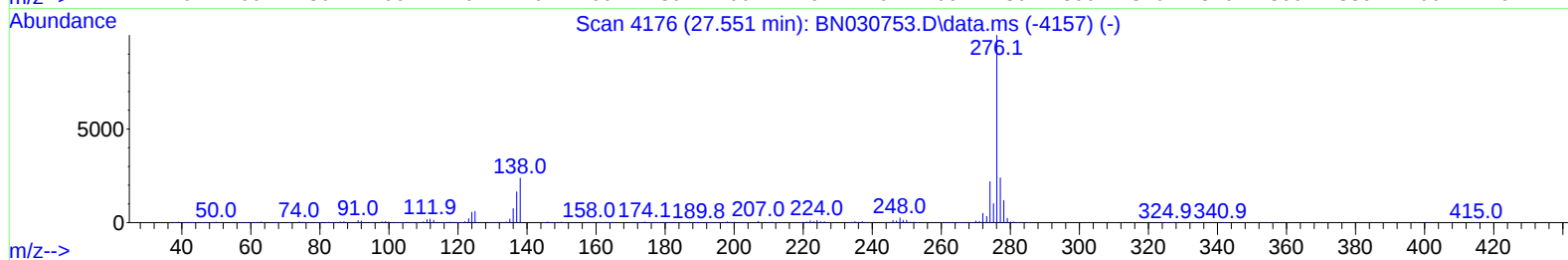
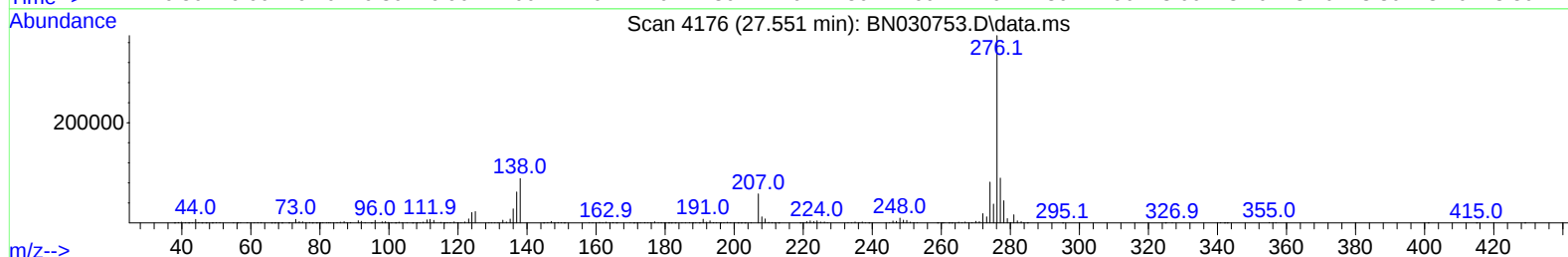
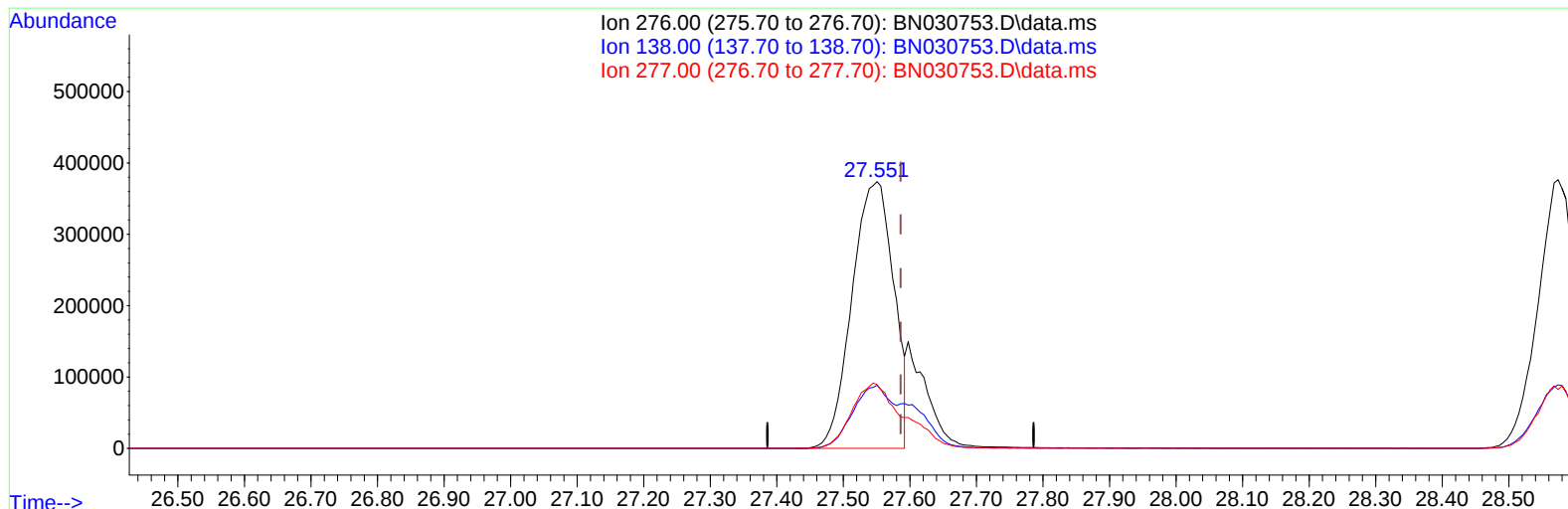
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040724\
Data File : BN030753.D
Acq On : 07 Apr 2024 23:16
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD020348

Quant Time: Apr 09 08:36:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Mar 31 12:24:07 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BN030753.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

27.551min (-0.036) 18.55 ng/u1

response 1623232

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	22.30	23.69
277.00	23.00	23.92
0.00	0.00	0.00

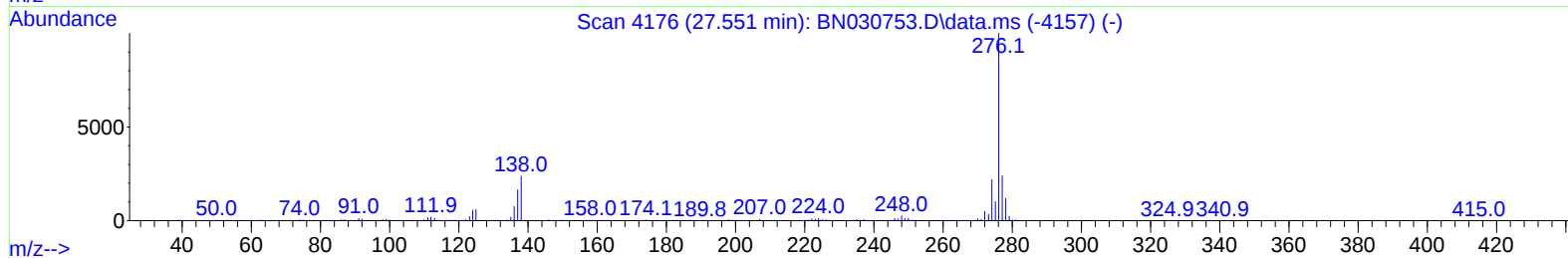
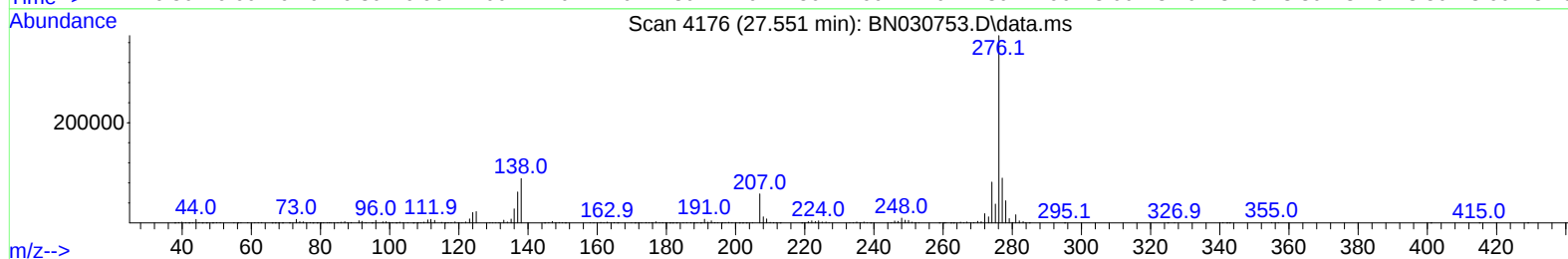
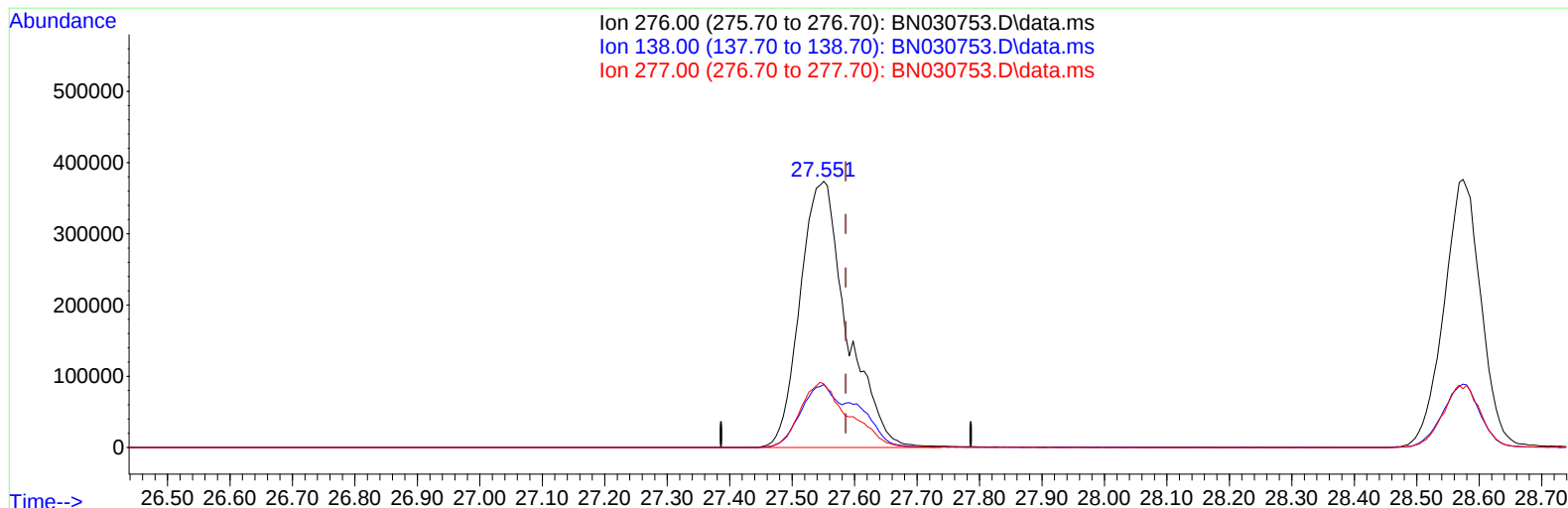
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040724\
Data File : BN030753.D
Acq On : 07 Apr 2024 23:16
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD020348

Quant Time: Apr 08 02:04:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Mar 31 12:24:07 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BN030753.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

27.551min (-0.036) 22.20 ng/u1 m

response 1942617

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	22.30	23.69
277.00	23.00	23.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040724\
 Data File : BN030753.D
 Acq On : 07 Apr 2024 23:16
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020348

Quant Time: Apr 08 02:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Mar 31 12:24:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/08/2024
 Supervised By :mohammad ahmed 04/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	171484	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.469	136	809378	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.328	164	568706	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.075	188	1250092	20.000	ng/u1	-0.01
79) Chrysene-d12	21.316	240	1270116	20.000	ng/u1	-0.01
88) Perylene-d12	24.251	264	1455866	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	29735	8.130	ng/uL	-0.01
4) Pyridine-d5	3.593	84	233398	21.283	ng/u1	0.00
7) Phenol-d5	6.852	99	296832	21.398	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.022	67	178392	20.820	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.216	132	239250	22.735	ng/u1	-0.01
15) 4-Methylphenol-d8	8.387	113	253702	21.821	ng/u1	-0.01
21) Nitrobenzene-d5	8.840	128	124754	22.220	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.557	143	126803	24.688	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.087	165	256523	22.813	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.610	131	396968	21.444	ng/u1	-0.01
46) Dimethylphthalate-d6	13.745	166	845569	22.269	ng/u1	-0.01
49) Acenaphthylene-d8	14.022	160	985268	22.569	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.534	143	163584	22.523	ng/u1	0.00
60) Fluorene-d10	15.322	176	740382	22.283	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.445	200	115962	21.016	ng/u1	0.00
73) Anthracene-d10	17.175	188	1196371	22.212	ng/u1	-0.01
81) Pyrene-d10	19.474	212	1457317	21.341	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.045	264	1478781	22.044	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.222	88	31429	8.022	ng/uL	94
5) Pyridine	3.616	79	233867	21.135	ng/u1	99
6) Benzaldehyde	6.834	77	170665	26.418	ng/u1	98
8) Phenol	6.881	94	305205	21.119	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.116	93	255150	21.651	ng/u1	98
12) 2-Chlorophenol	7.252	128	250648	22.203	ng/u1	96
13) 2-Methylphenol	8.122	108	241730	21.707	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.204	45	333429	20.093	ng/u1	97
16) Acetophenone	8.504	105	403931	22.005	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.493	70	201561	21.801	ng/u1	96
18) 4-Methylphenol	8.451	108	268576	21.544	ng/u1	96
19) Hexachloroethane	8.751	117	103389	21.844	ng/u1	98
22) Nitrobenzene	8.881	77	296789	21.654	ng/u1	100
23) Isophorone	9.404	82	587934	21.509	ng/u1	99
25) 2-Nitrophenol	9.587	139	145506	24.104	ng/u1	97
26) 2,4-Dimethylphenol	9.646	107	294601	21.958	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.887	93	369857	21.282	ng/u1	99
29) 2,4-Dichlorophenol	10.116	162	260701	22.714	ng/u1	99
30) Naphthalene	10.516	128	890305	21.447	ng/u1	98
32) 4-Chloroaniline	10.634	127	385523	21.609	ng/u1	98
33) Hexachlorobutadiene	10.798	225	156532	21.667	ng/u1	96
34) Caprolactam	11.404	113	91788	21.407	ng/u1	92
35) 4-Chloro-3-methylphenol	11.757	107	293002	22.666	ng/u1	99
36) 2-Methylnaphthalene	12.134	142	633846	21.864	ng/u1	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040724\
 Data File : BN030753.D
 Acq On : 07 Apr 2024 23:16
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020348

Quant Time: Apr 08 02:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Mar 31 12:24:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/08/2024
 Supervised By :mohammad ahmed 04/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.357	142	638483	21.696	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.504	216	324172	22.088	ng/ul	96
40) Hexachlorocyclopentadiene	12.481	237	160775	19.290	ng/ul	98
41) 2,4,6-Trichlorophenol	12.751	196	210470	22.949	ng/ul	91
42) 2,4,5-Trichlorophenol	12.822	196	237424	22.923	ng/ul	94
43) 1,1'-Biphenyl	13.157	154	842651	21.738	ng/ul	98
44) 2-Chloronaphthalene	13.198	162	666747	21.850	ng/ul	98
45) 2-Nitroaniline	13.410	65	183323	22.575	ng/ul	95
47) Dimethylphthalate	13.792	163	867796	22.125	ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	170506	23.446	ng/ul	99
50) Acenaphthylene	14.045	152	1136493	22.531	ng/ul	100
51) 3-Nitroaniline	14.239	138	180295	23.358	ng/ul	100
52) Acenaphthene	14.392	153	755261	22.468	ng/ul	99
53) 2,4-Dinitrophenol	14.445	184	63841	19.113	ng/ul	97
55) 4-Nitrophenol	14.545	109	127507	22.159	ng/ul	98
56) Dibenzofuran	14.728	168	1027414	21.988	ng/ul	98
57) 2,4-Dinitrotoluene	14.698	165	256708	24.179	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.957	232	204962	23.827	ng/ul	97
59) Diethylphthalate	15.163	149	894690	22.453	ng/ul	99
61) Fluorene	15.381	166	838373	22.573	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.381	204	405505	22.254	ng/ul	99
63) 4-Nitroaniline	15.404	138	191661	25.541	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.457	198	128952	21.750	ng/ul	95
67) N-Nitrosodiphenylamine	15.592	169	743261	21.832	ng/ul	99
68) 4-Bromophenyl-phenylether	16.275	248	256824	21.635	ng/ul	99
69) Hexachlorobenzene	16.375	284	302307	21.627	ng/ul	98
70) Atrazine	16.551	200	259056	21.954	ng/ul	97
71) Pentachlorophenol	16.722	266	184788	22.422	ng/ul	94
72) Phenanthrene	17.116	178	1426019	22.203	ng/ul	100
74) Anthracene	17.210	178	1446523	22.279	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.116	216	327520	21.326	ng/uL	99
76) Pentachlorobenzene	14.645	250	330402	21.180	ng/uL	95
77) Carbazole	17.480	167	1360088	23.887	ng/ul	99
78) Di-n-butylphthalate	18.051	149	1642488	23.646	ng/ul	100
80) Fluoranthene	19.139	202	1699672	20.938	ng/ul	97
82) Pyrene	19.504	202	1795274	20.941	ng/ul	100
83) Butylbenzylphthalate	20.416	149	781277	23.864	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.227	252	577062	24.726	ng/ul	100
85) Benzo(a)anthracene	21.292	228	1860699	21.951	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.227	149	1149648	23.811	ng/ul	99
87) Chrysene	21.357	228	1752262	21.901	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	1980209	21.478	ng/ul	100
90) Benzo(b)fluoranthene	23.321	252	1826809	21.321	ng/ul	97
91) Benzo(k)fluoranthene	23.380	252	1880865	21.616	ng/ul	99
93) Benzo(a)pyrene	24.110	252	1723004	21.288	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.551	276	1942617m	22.203	ng/ul	
95) Dibenzo(a,h)anthracene	27.609	278	1633656	22.180	ng/ul	95
96) Benzo(g,h,i)perylene	28.574	276	1559529	22.705	ng/ul	96

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

