

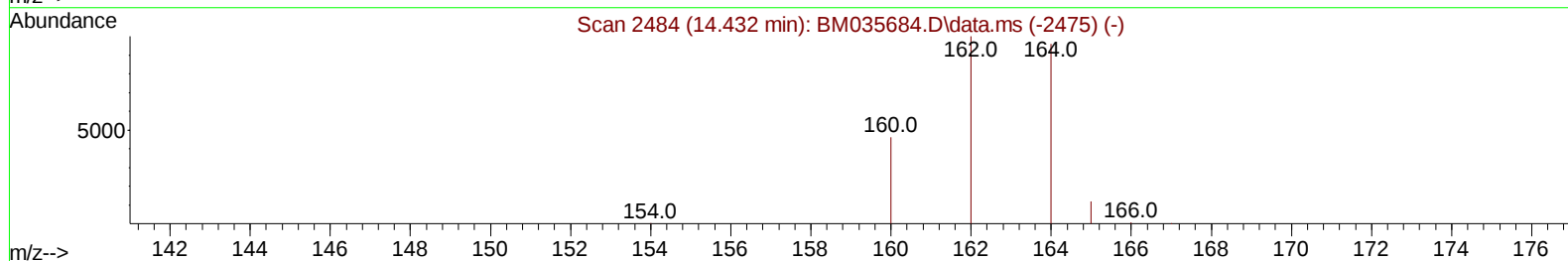
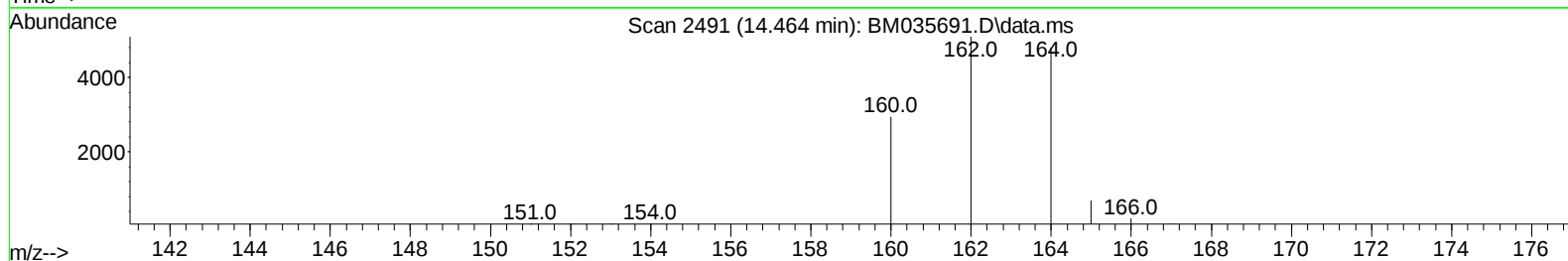
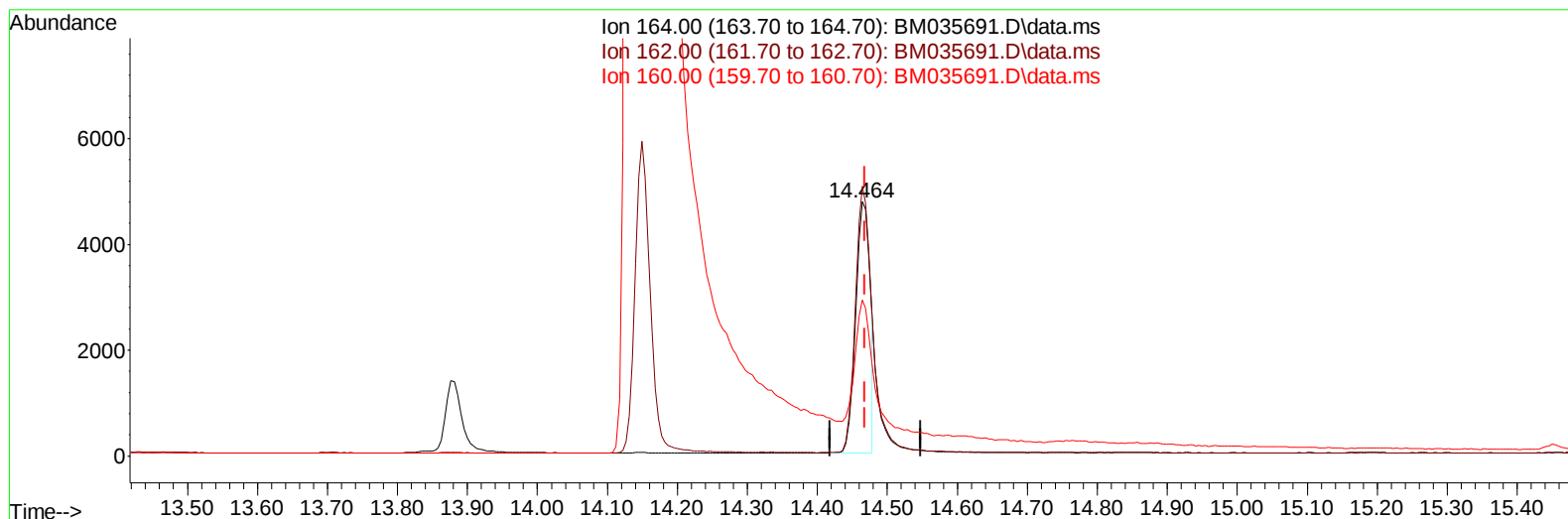
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062722\
 Data File : BM035691.D
 Acq On : 27 Jun 2022 09:37
 Operator : CG/JU
 Sample : PB145703BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 01:17:43 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM062522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 01:17:21 2022
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/29/2022
 Supervised By :mohammad ahmed 07/01/2022



TIC: BM035691.D\data.ms

(9) Acenaphthene-d10 (I)

14.464min (-0.005) 0.40 ng/u1

response 6882

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	104.10	105.97
160.00	48.90	61.24#
0.00	0.00	0.00

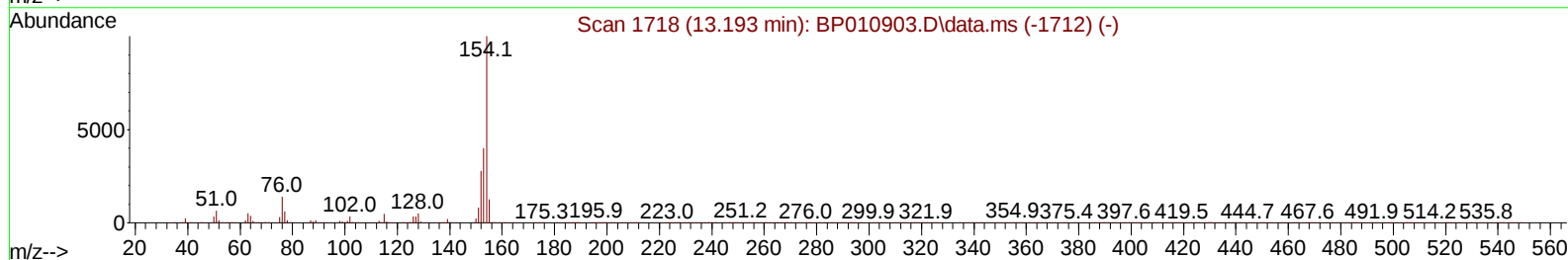
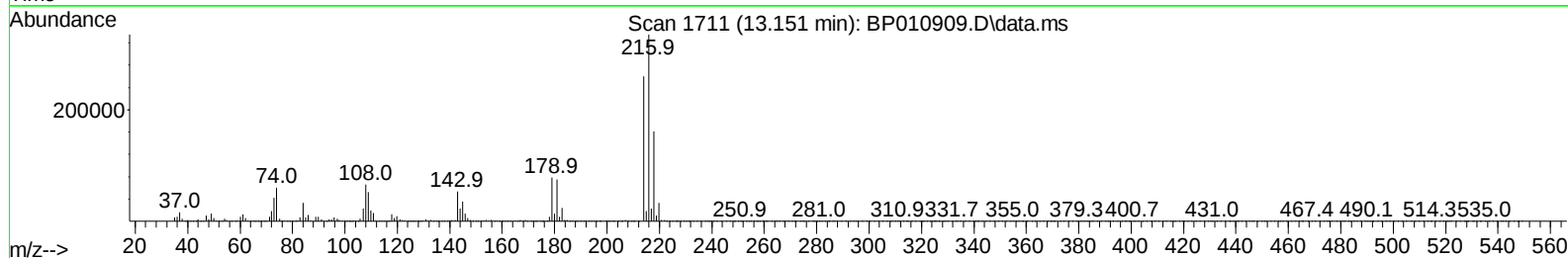
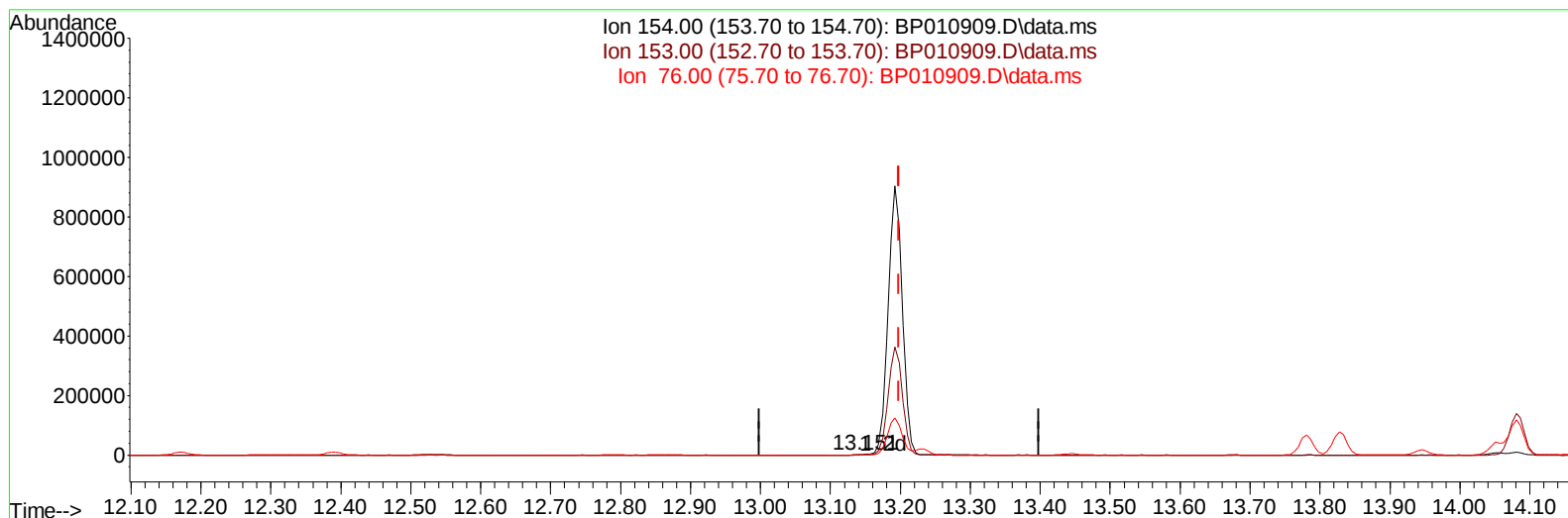
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062822\
 Data File : BP010909.D
 Acq On : 28 Jun 2022 17:43
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 23:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062322.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 23:12:49 2022
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/29/2022
 Supervised By :mohammad ahmed 07/01/2022



TIC: BP010909.D\data.ms

(43) 1,1'-Biphenyl

13.151min (-0.047) 0.05 ng/u1

response 3209

Ion	Exp%	Act%
154.00	100.00	100.00
153.00	39.90	35.87
76.00	11.50	9.29
0.00	0.00	0.00

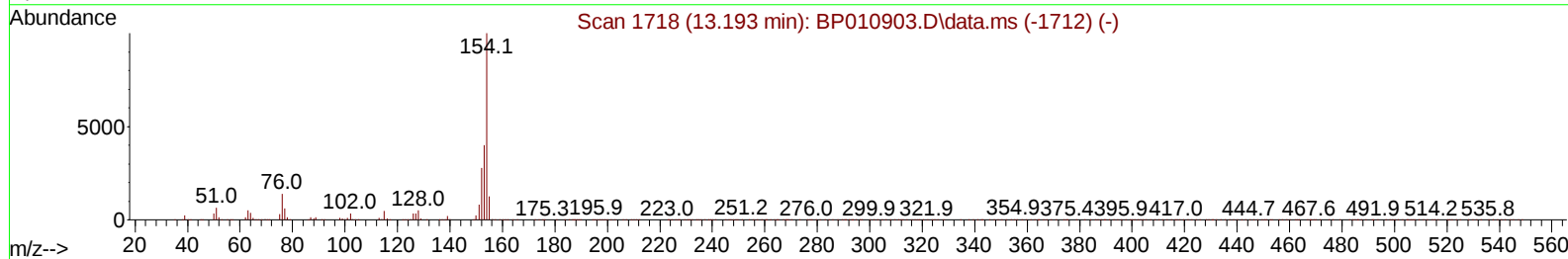
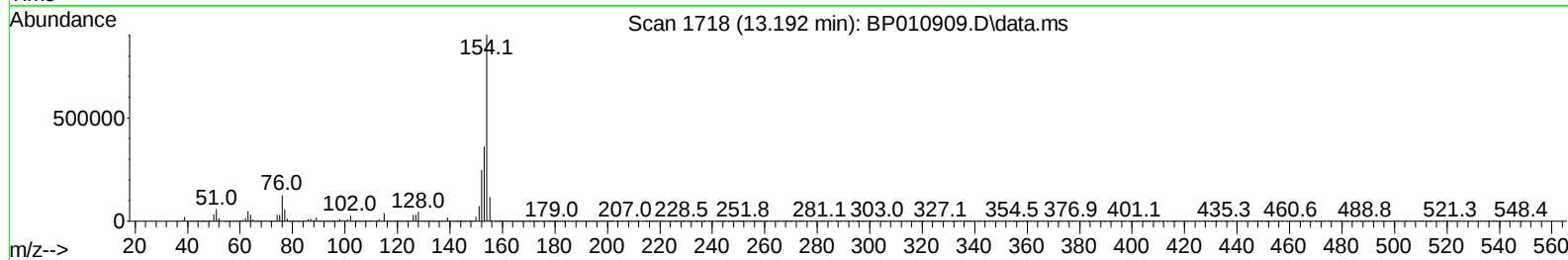
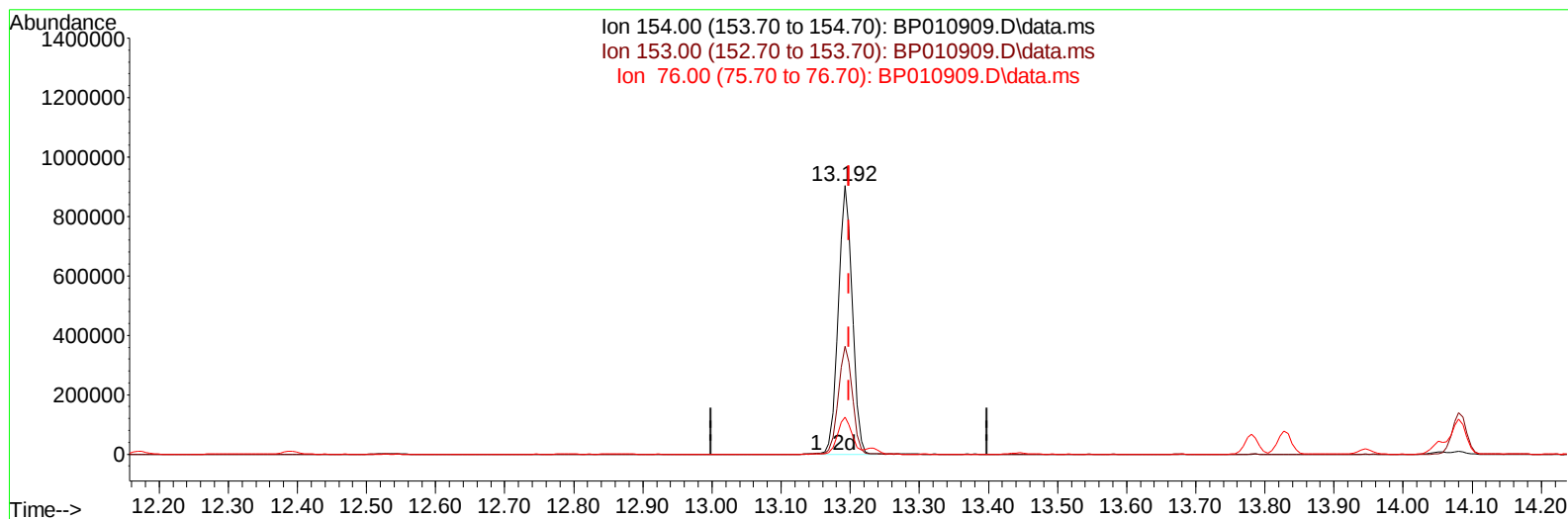
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062822\
 Data File : BP010909.D
 Acq On : 28 Jun 2022 17:43
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 23:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062322.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 23:12:49 2022
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 Supervised By :mohammad ahmed 07/01/2022



TIC: BP010909.D\data.ms

(43) 1,1'-Biphenyl

13.192min (-0.006) 19.55 ng/ul m

response 1273554

Ion	Exp%	Act%
154.00	100.00	100.00
153.00	39.90	40.14
76.00	11.50	13.92#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062822\
 Data File : BP010909.D
 Acq On : 28 Jun 2022 17:43
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 23:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062322.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.704	152	410525	20.000	ng/ul	0.00
20) Naphthalene-d8	10.498	136	1611159	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.363	164	827662	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.128	188	1562833	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.239	240	1632306	20.000	ng/ul	# 0.00
88) Perylene-d12	23.598	264	1766078	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	91055	8.390	ng/uL	0.00
4) Pyridine-d5	3.611	84	578068	20.011	ng/ul	0.00
7) Phenol-d5	6.887	99	641386	19.737	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.046	67	411000	19.338	ng/ul	0.00
11) 2-Chlorophenol-d4	7.240	132	546670	20.276	ng/ul	0.00
15) 4-Methylphenol-d8	8.422	113	502723	19.569	ng/ul	0.00
21) Nitrobenzene-d5	8.869	128	237504	23.156	ng/ul	0.00
24) 2-Nitrophenol-d4	9.587	143	227189	26.774	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	426587	20.346	ng/ul	0.00
31) 4-Chloroaniline-d4	10.646	131	658848	19.251	ng/ul	0.00
46) Dimethylphthalate-d6	13.781	166	1058994	18.679	ng/ul	0.00
49) Acenaphthylene-d8	14.051	160	1372559	18.969	ng/ul	0.00
54) 4-Nitrophenol-d4	14.581	143	198101	22.371	ng/ul	0.00
60) Fluorene-d10	15.363	176	929661	19.108	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	114036	22.024	ng/ul	0.00
73) Anthracene-d10	17.228	188	1344590	19.338	ng/ul	0.00
81) Pyrene-d10	19.474	212	1564512	17.593	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.451	264	1729275	19.815	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	94501	8.165	ng/ul#	85
5) Pyridine	3.628	79	588631	20.115	ng/ul#	72
6) Benzaldehyde	6.852	77	377368	22.008	ng/ul	95
8) Phenol	6.910	94	694366	19.978	ng/ul#	85
10) Bis(2-Chloroethyl)ether	7.140	93	548620	19.653	ng/ul	88
12) 2-Chlorophenol	7.269	128	568714	20.434	ng/ul	92
13) 2-Methylphenol	8.157	108	498041	19.247	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.246	45	711172	18.988	ng/ul#	97
16) Acetophenone	8.534	105	768161	19.470	ng/ul#	86
17) N-Nitroso-di-n-propyla...	8.522	70	364638	18.278	ng/ul	90
18) 4-Methylphenol	8.487	108	528321	19.606	ng/ul	99
19) Hexachloroethane	8.781	117	219419	19.467	ng/ul#	85
22) Nitrobenzene	8.910	77	561962	21.955	ng/ul	91
23) Isophorone	9.440	82	948320	17.667	ng/ul	97
25) 2-Nitrophenol	9.616	139	261118	25.411	ng/ul#	82
26) 2,4-Dimethylphenol	9.687	107	547289	19.494	ng/ul	95
27) Bis(2-Chloroethoxy)met...	9.928	93	646545	19.094	ng/ul	97
29) 2,4-Dichlorophenol	10.151	162	441709	20.274	ng/ul	100
30) Naphthalene	10.551	128	1663788	19.814	ng/ul	99
32) 4-Chloroaniline	10.669	127	666339	19.651	ng/ul	99
33) Hexachlorobutadiene	10.834	225	266121	19.120	ng/ul	97
34) Caprolactam	11.451	113	119702	17.490	ng/ul	88
35) 4-Chloro-3-methylphenol	11.804	107	450818	19.092	ng/ul	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062822\
 Data File : BP010909.D
 Acq On : 28 Jun 2022 17:43
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 23:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062322.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 23:12:49 2022
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/29/2022
 Supervised By :mohammad ahmed 07/01/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.169	142	1021692	18.789	ng/ul	98
37) 1-Methylnaphthalene	12.392	142	1026048	18.994	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.540	216	472366	19.861	ng/ul	98
40) Hexachlorocyclopentadiene	12.516	237	250110	16.595	ng/ul	97
41) 2,4,6-Trichlorophenol	12.787	196	288826	21.063	ng/ul	98
42) 2,4,5-Trichlorophenol	12.857	196	313700	21.319	ng/ul	99
43) 1,1'-Biphenyl	13.192	154	1273554m	19.546	ng/ul	
44) 2-Chloronaphthalene	13.228	162	980083	19.968	ng/ul	99
45) 2-Nitroaniline	13.445	65	251862	24.185	ng/ul#	81
47) Dimethylphthalate	13.828	163	1068983	18.827	ng/ul	98
48) 2,6-Dinitrotoluene	13.945	165	193155	22.705	ng/ul	98
50) Acenaphthylene	14.081	152	1548337	19.538	ng/ul	99
51) 3-Nitroaniline	14.275	138	226371	22.196	ng/ul	90
52) Acenaphthene	14.428	153	995683	19.472	ng/ul	99
53) 2,4-Dinitrophenol	14.481	184	66989	20.511	ng/ul#	82
55) 4-Nitrophenol	14.592	109	155488	22.082	ng/ul#	78
56) Dibenzofuran	14.763	168	1369842	19.558	ng/ul	95
57) 2,4-Dinitrotoluene	14.734	165	274667	24.163	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	14.992	232	220814	20.955	ng/ul	90
59) Diethylphthalate	15.204	149	1025716	18.171	ng/ul	98
61) Fluorene	15.416	166	1073475	19.221	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.416	204	496697	18.998	ng/ul	97
63) 4-Nitroaniline	15.445	138	231900	24.592	ng/ul#	76
66) 4,6-Dinitro-2-methylph...	15.498	198	115970	20.727	ng/ul	96
67) N-Nitrosodiphenylamine	15.633	169	899870	19.011	ng/ul	99
68) 4-Bromophenyl-phenylether	16.316	248	276237	17.637	ng/ul	95
69) Hexachlorobenzene	16.422	284	322659	17.786	ng/ul	95
70) Atrazine	16.598	200	274965	17.520	ng/ul	97
71) Pentachlorophenol	16.775	266	153899	16.475	ng/ul	99
72) Phenanthrene	17.169	178	1637104	19.671	ng/ul	99
74) Anthracene	17.257	178	1646405	19.669	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.151	216	476935	18.493	ng/uL	97
76) Pentachlorobenzene	14.681	250	417773	18.888	ng/uL	100
77) Carbazole	17.539	167	1560274	20.708	ng/ul	99
78) Di-n-butylphthalate	18.110	149	1548951	17.252	ng/ul	99
80) Fluoranthene	19.151	202	1869967	17.097	ng/ul#	90
82) Pyrene	19.504	202	1967962	17.817	ng/ul#	85
83) Butylbenzylphthalate	20.398	149	741747	19.079	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.163	252	675533	20.042	ng/ul#	98
85) Benzo(a)anthracene	21.221	228	1978036	19.376	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.168	149	1052099	17.089	ng/ul#	97
87) Chrysene	21.274	228	1928677	19.715	ng/ul	99
89) Di-n-octyl phthalate	22.080	149	1864922	17.790	ng/ul	100
90) Benzo(b)fluoranthene	22.880	252	2148937	19.566	ng/ul#	95
91) Benzo(k)fluoranthene	22.927	252	2054649	19.682	ng/ul#	95
93) Benzo(a)pyrene	23.498	252	2130380	19.940	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.051	276	2514993	19.509	ng/ul#	88
95) Dibenzo(a,h)anthracene	26.068	278	2155394	19.491	ng/ul#	92
96) Benzo(g,h,i)perylene	26.803	276	2130309	19.426	ng/ul#	90

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC020EC

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/29/2022
Supervised By :mohammad ahmed 07/01/2022

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062822\
 Data File : BP010909.D
 Acq On : 28 Jun 2022 17:43
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 23:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062322.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 23:12:49 2022
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/29/2022
 Supervised By :mohammad ahmed 07/01/2022

