

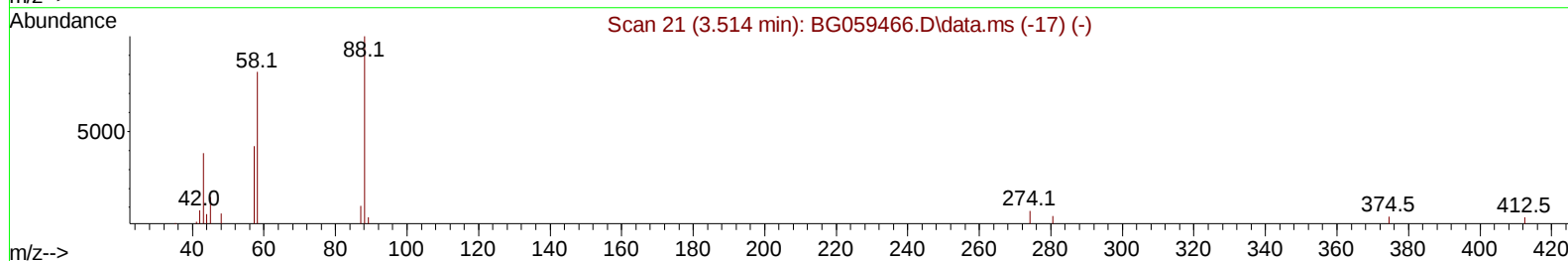
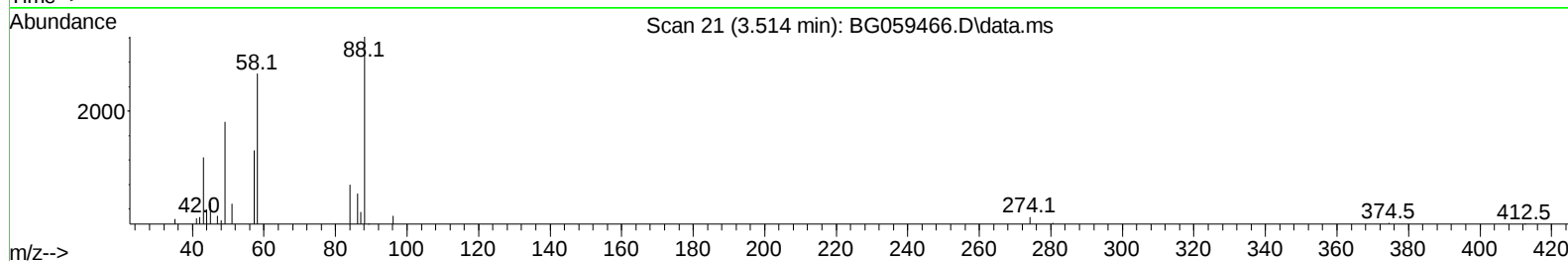
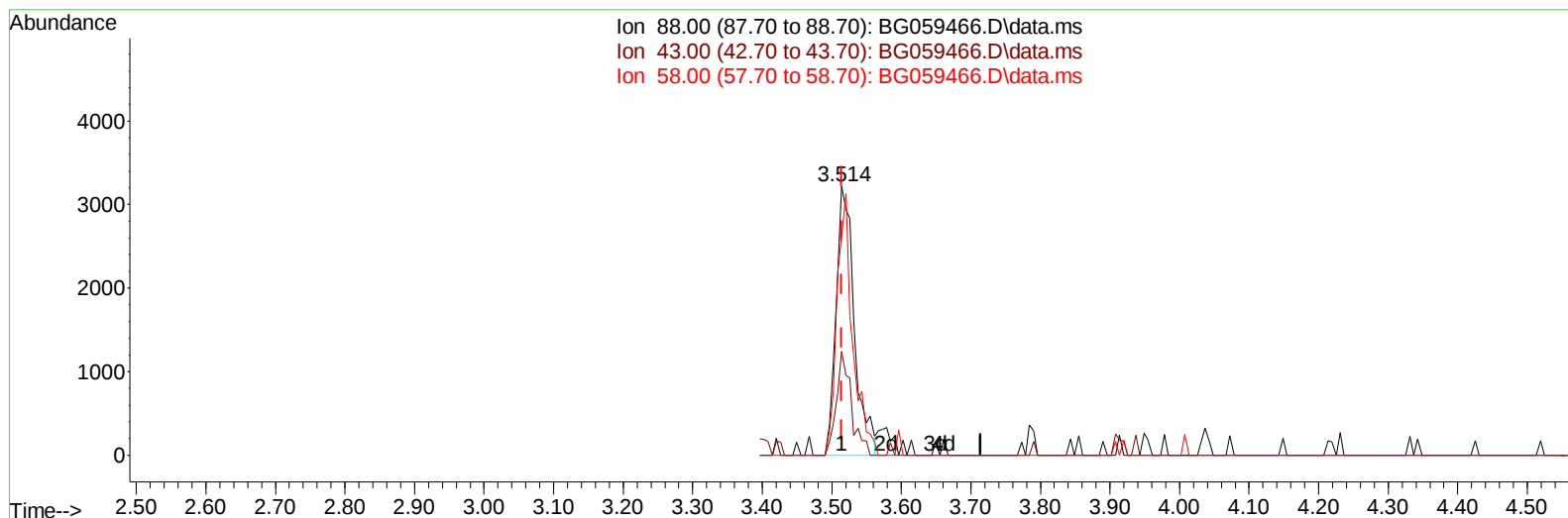
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
Data File : BG059466.D
Acq On : 17 Oct 2023 20:20
Operator : MA/JU
Sample : SSTD02051
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:11:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 18 03:51:17 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(2) 1,4-Dioxane

3.514min (0.000) 6.19 ng/uL

response 5897

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	38.50	38.51
58.00	81.20	81.21
0.00	0.00	0.00

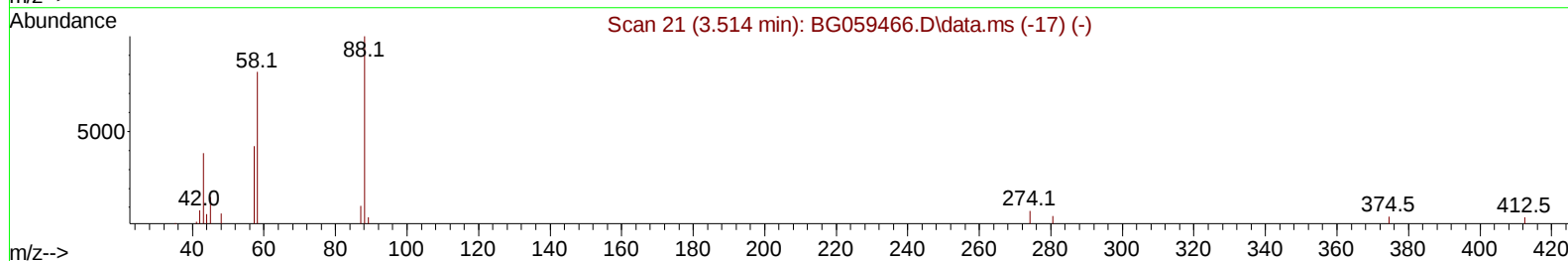
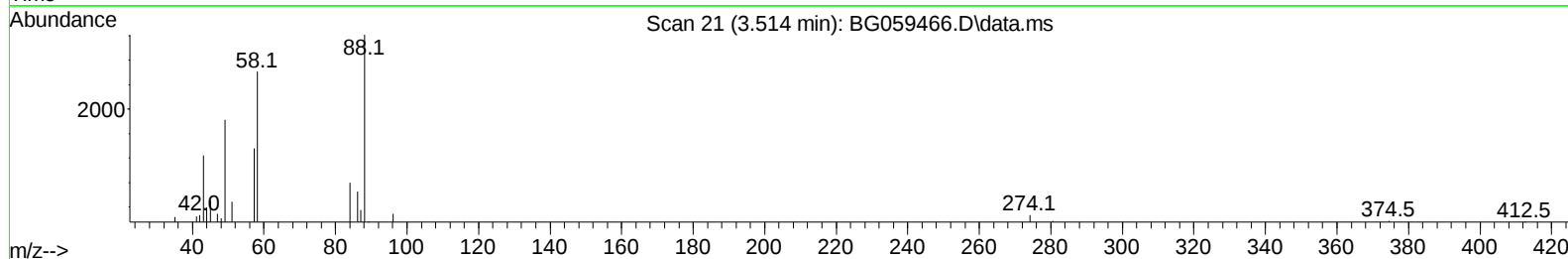
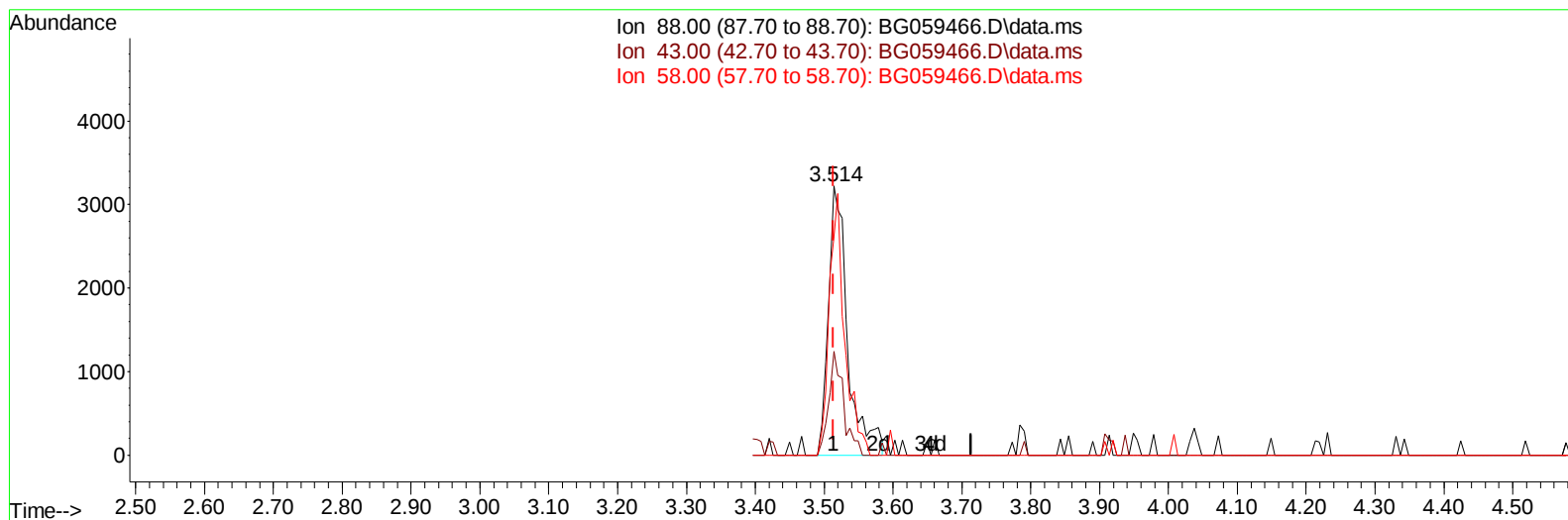
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SSTD02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:11:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(2) 1,4-Dioxane

3.514min (0.000) 6.60 ng/uL m

response 6283

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	38.50	38.51
58.00	81.20	81.21
0.00	0.00	0.00

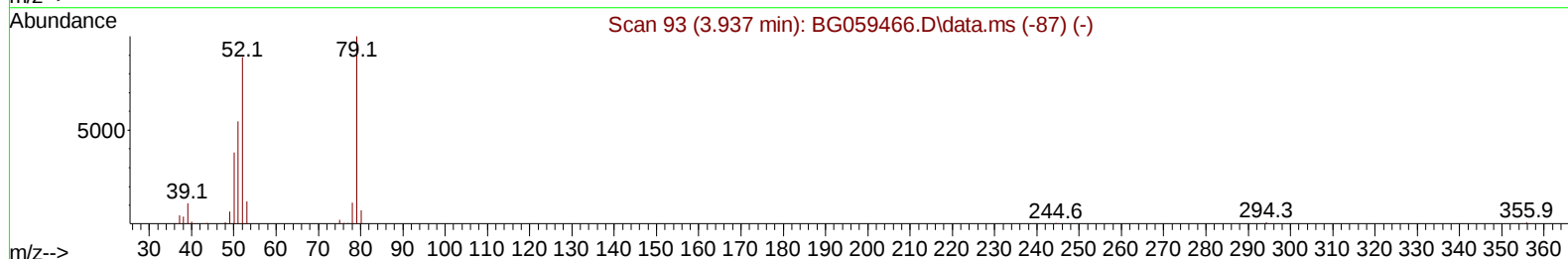
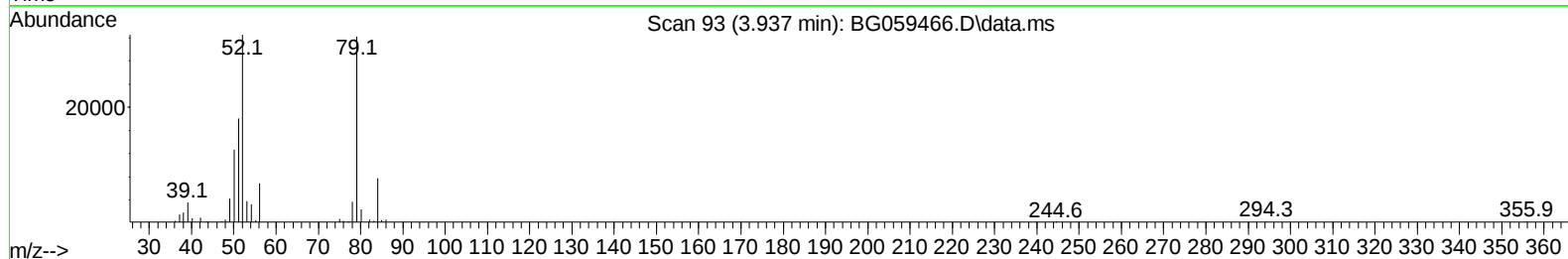
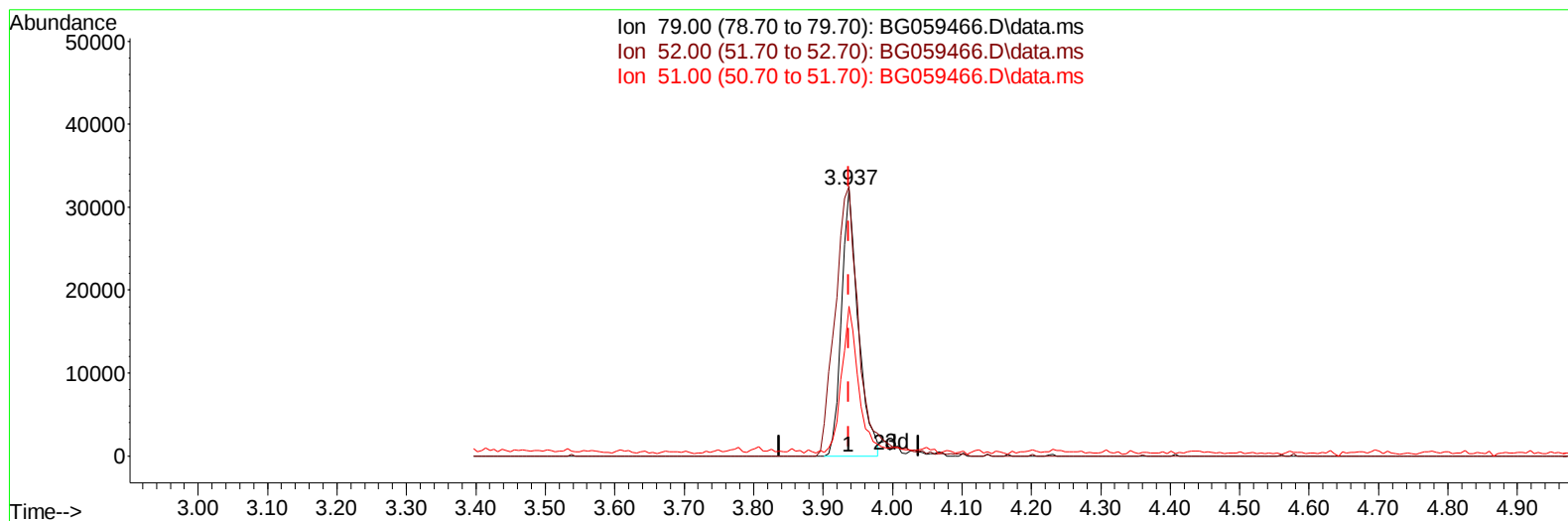
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SST02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:25:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(5) Pyridine

3.937min (0.000) 23.94 ng/u1

response 53535

Ion	Exp%	Act%
79.00	100.00	100.00
52.00	101.10	101.12
51.00	56.20	56.19
0.00	0.00	0.00

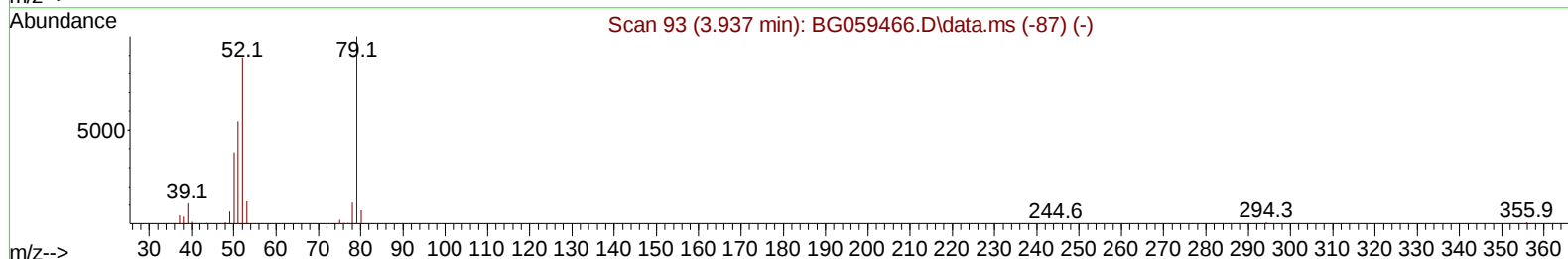
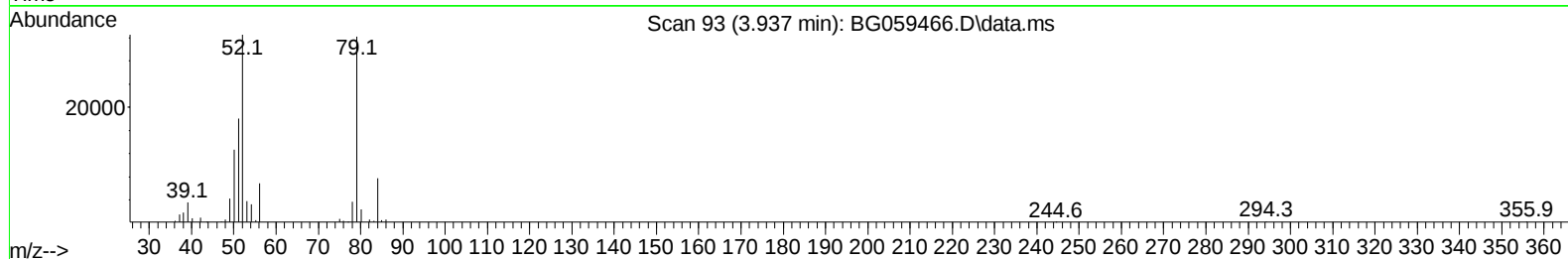
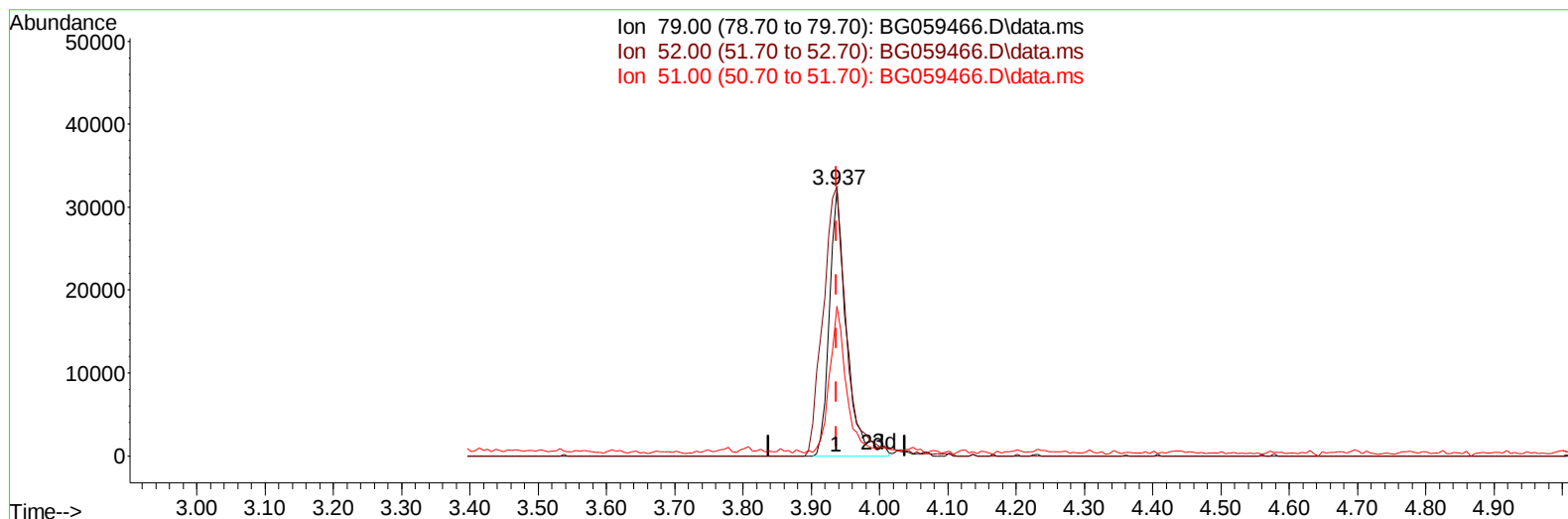
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SST02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:25:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(5) Pyridine

3.937min (0.000) 25.00 ng/ul m

response 55918

Ion	Exp%	Act%
79.00	100.00	100.00
52.00	101.10	101.12
51.00	56.20	56.19
0.00	0.00	0.00

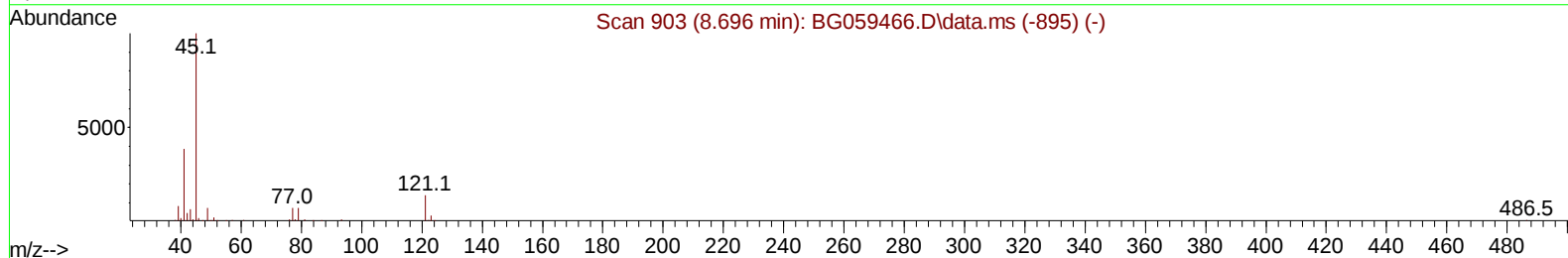
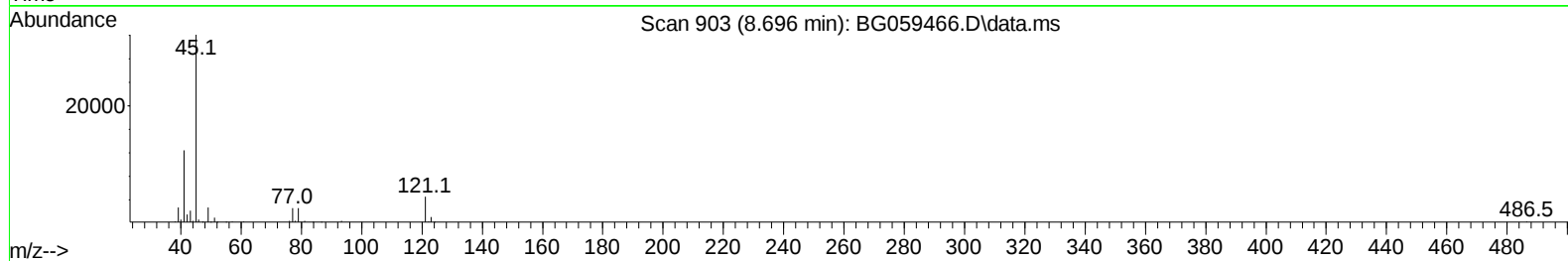
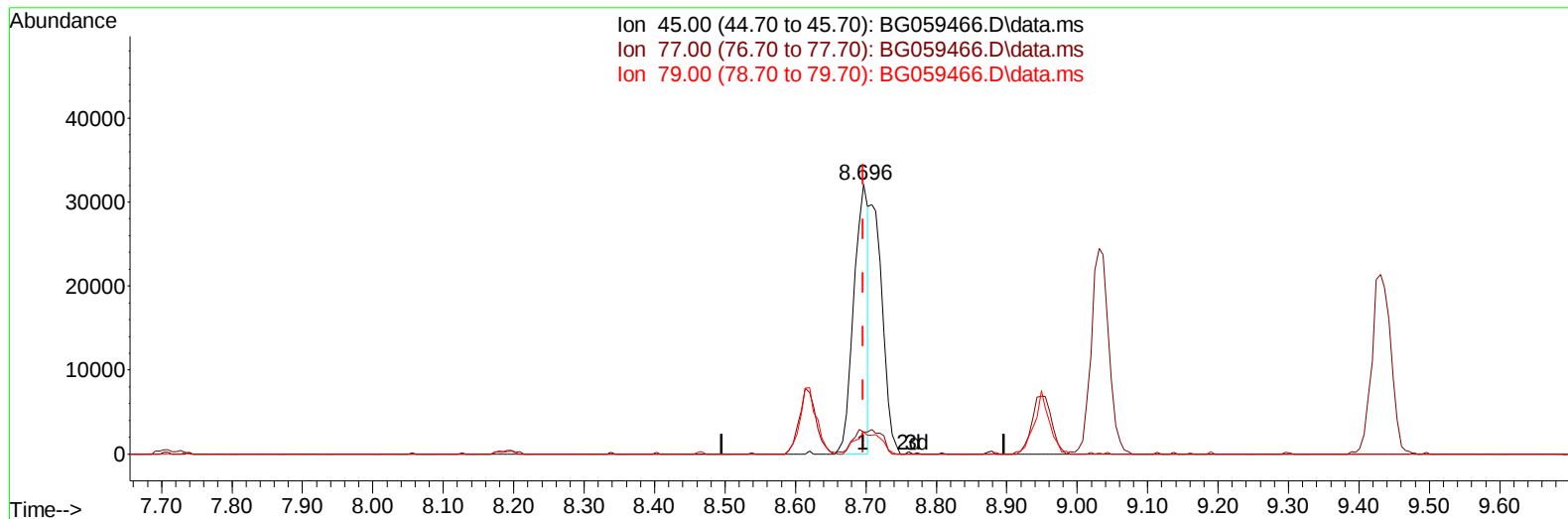
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SSTD02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 03:56:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.696min (0.000) 10.58 ng/u1

response 46027

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	8.00	8.04
79.00	8.00	8.04
0.00	0.00	0.00

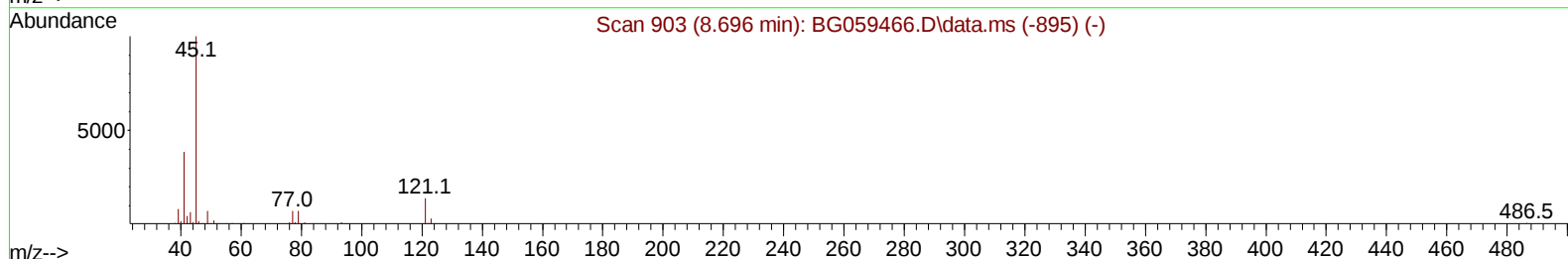
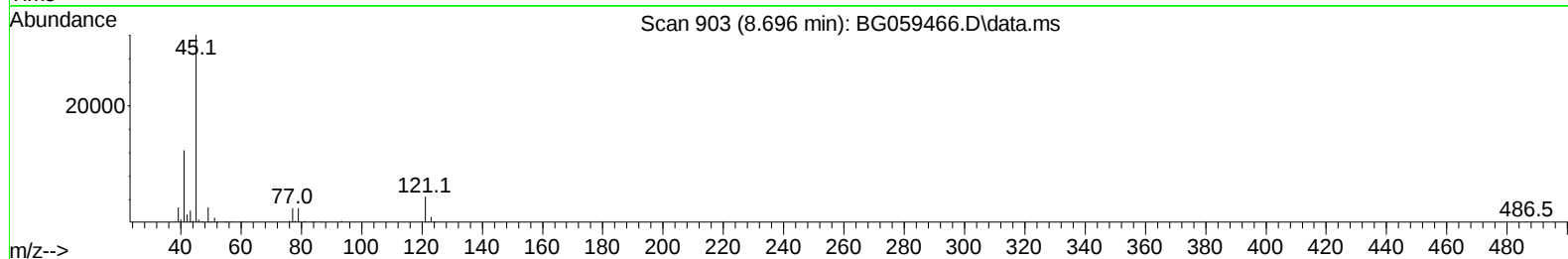
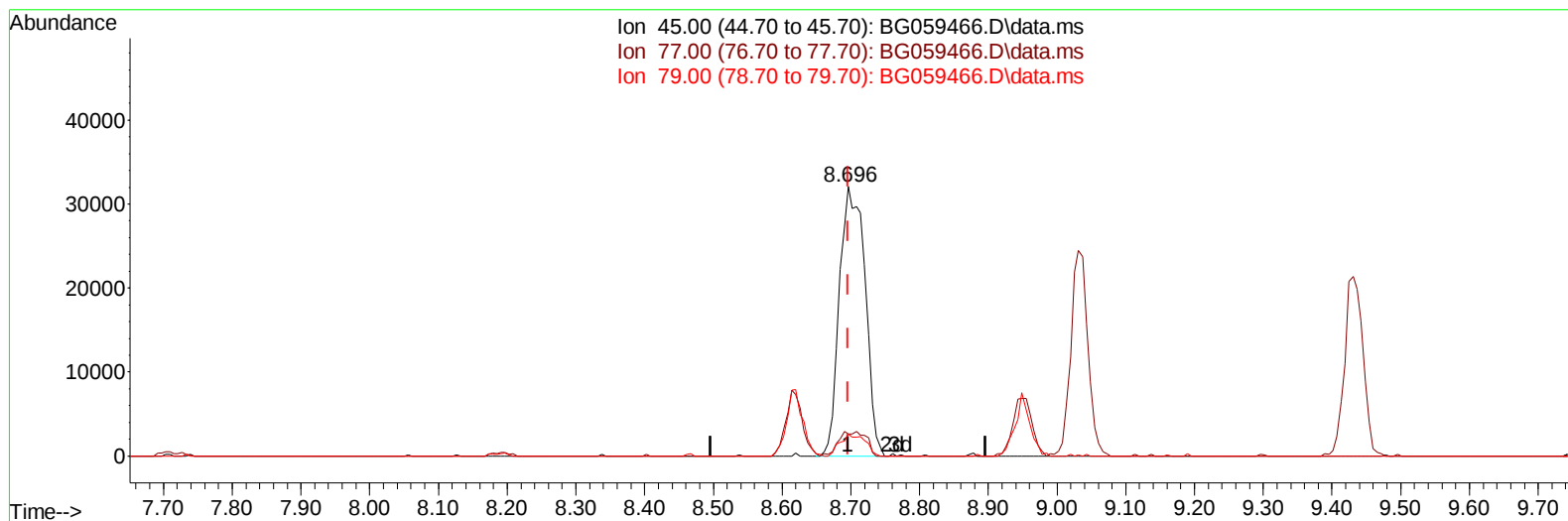
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SSTD02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 03:56:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
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TIC: BG059466.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.696min (0.000) 19.12 ng/ul m

response 83178

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	8.00	8.04
79.00	8.00	8.04
0.00	0.00	0.00

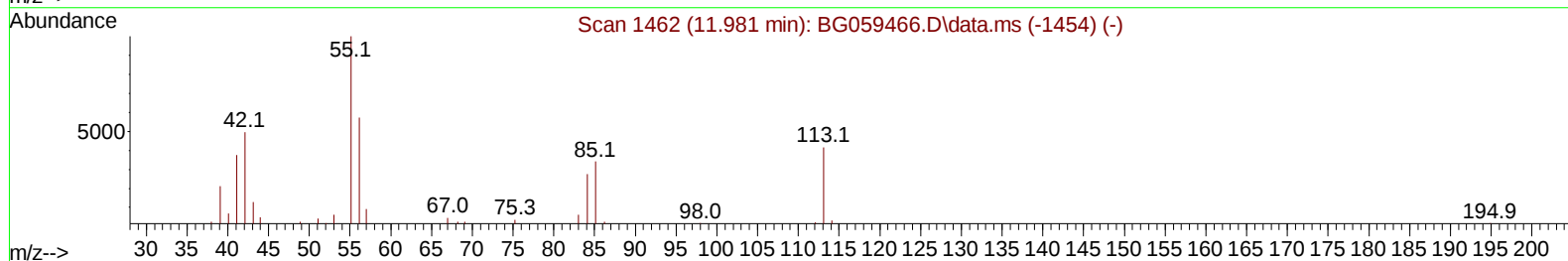
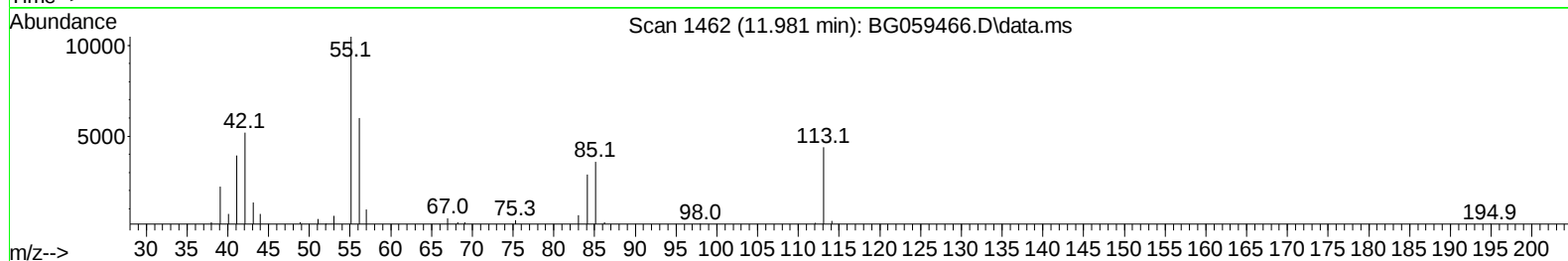
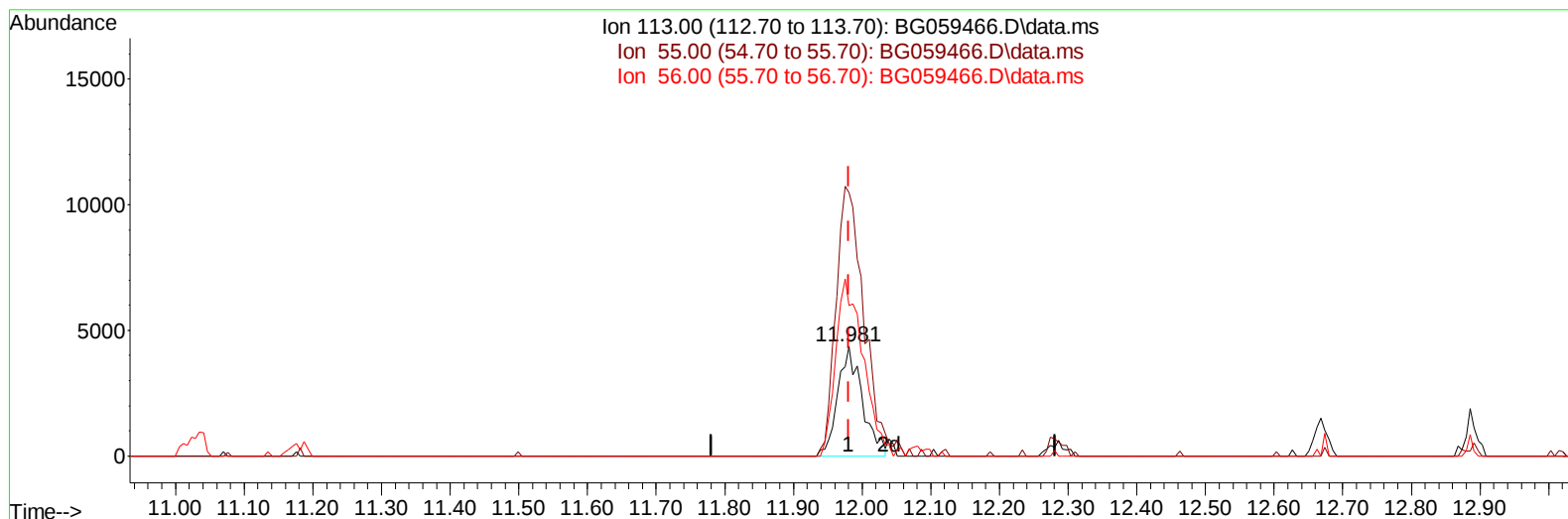
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SSTD02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:08:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(34) Caprolactam

11.981min (0.000) 17.91 ng/ul

response 10799

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	239.70	239.67
56.00	137.00	137.02
0.00	0.00	0.00

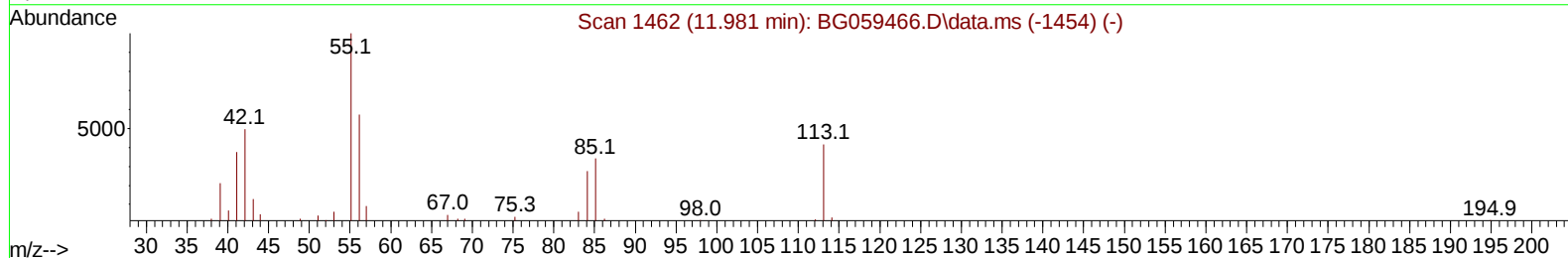
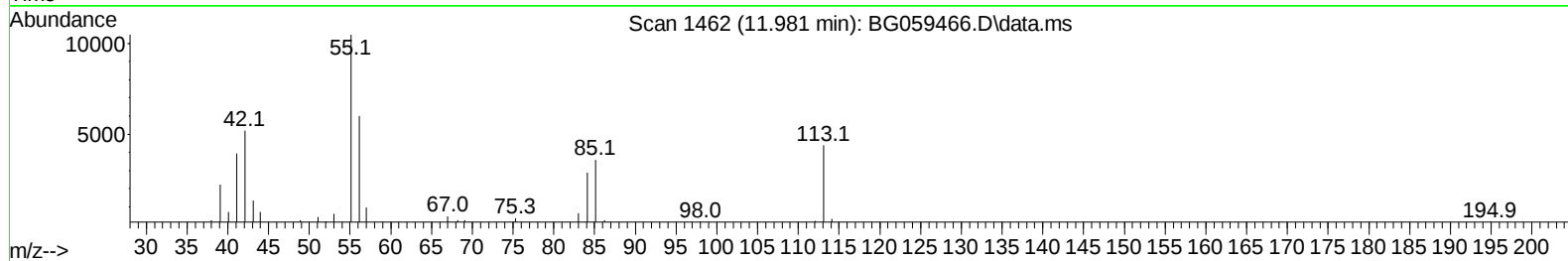
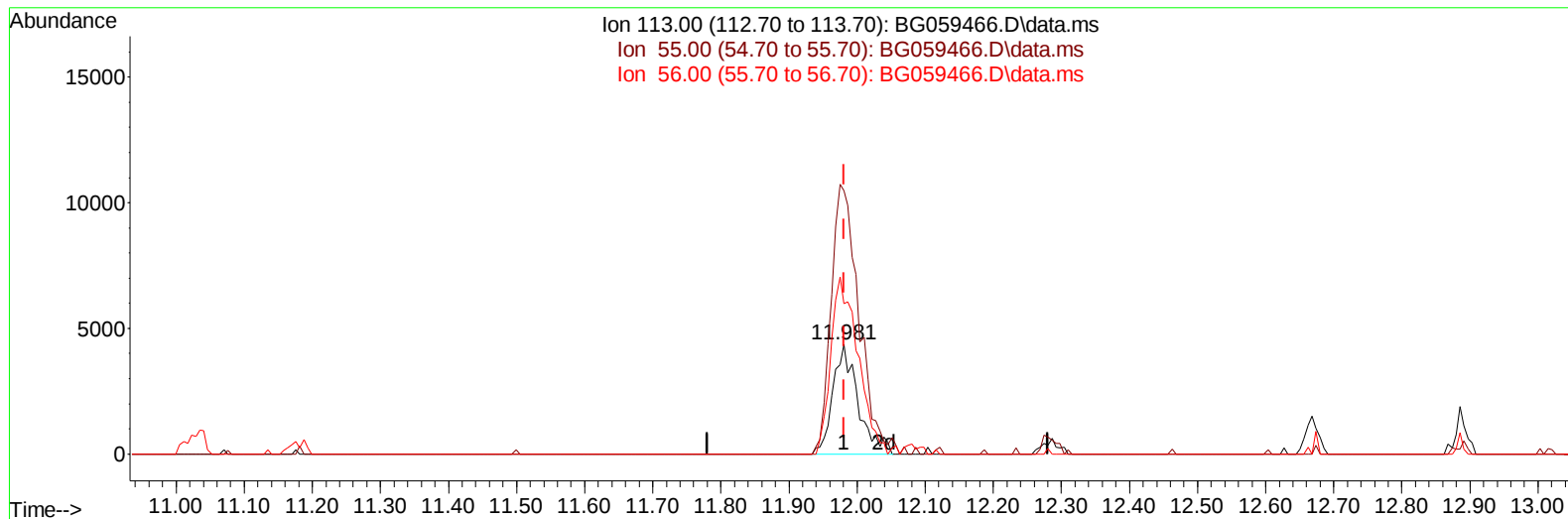
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SST02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:08:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(34) Caprolactam

11.981min (0.000) 18.57 ng/ul m

response 11197

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	239.70	239.67
56.00	137.00	137.02
0.00	0.00	0.00

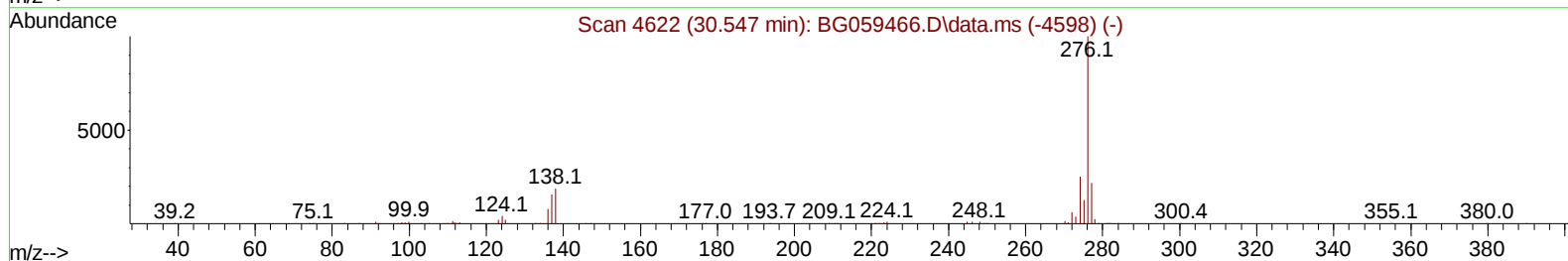
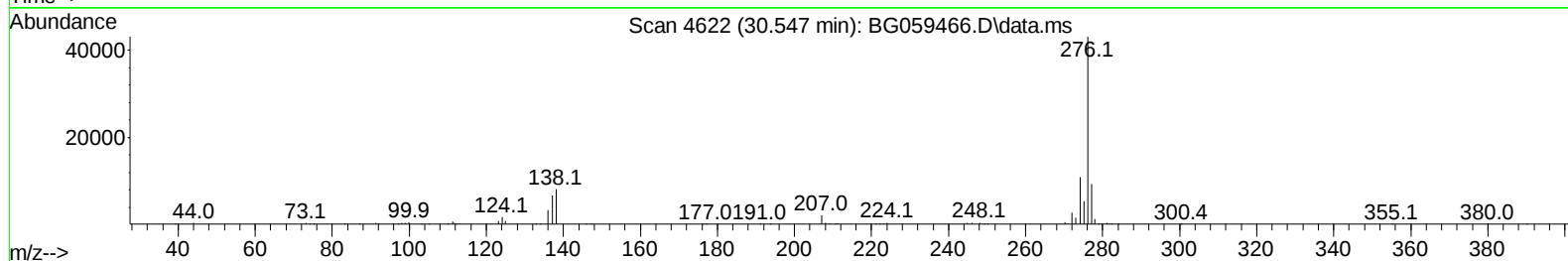
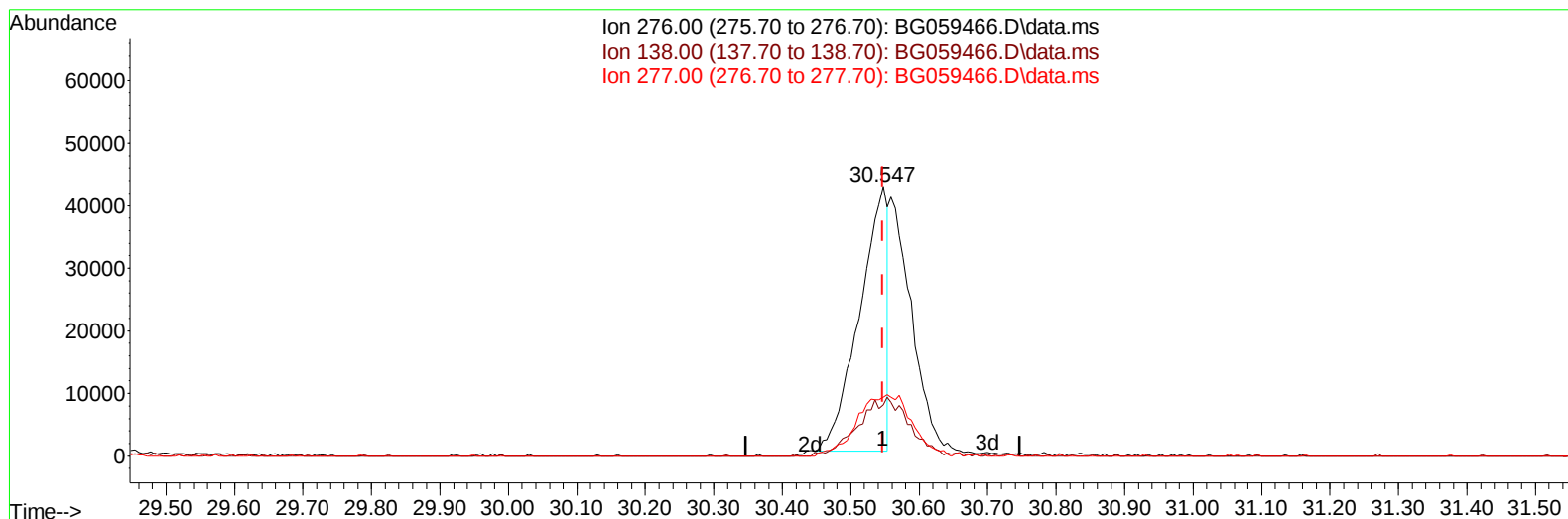
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
Data File : BG059466.D
Acq On : 17 Oct 2023 20:20
Operator : MA/JU
Sample : SSTD02051
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:09:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 18 03:51:17 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(96) Benzo(g,h,i)perylene

30.547min (0.000) 11.28 ng/u1

response 120271

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.90	18.93
277.00	21.80	21.81
0.00	0.00	0.00

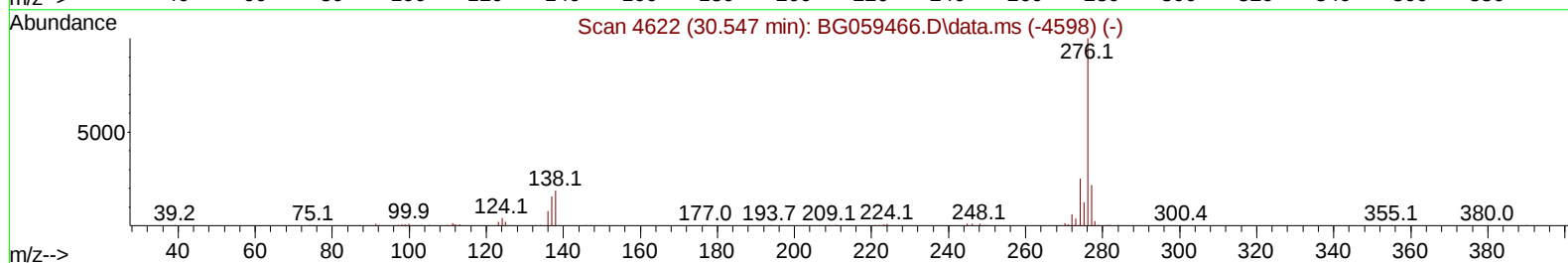
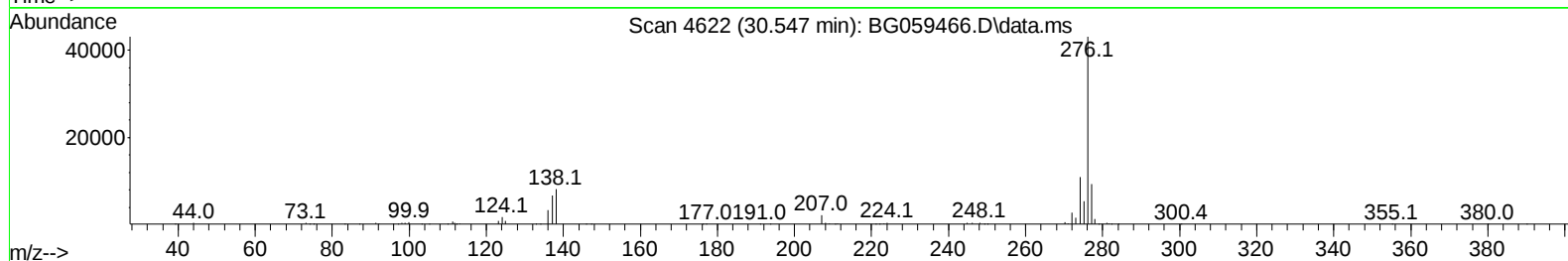
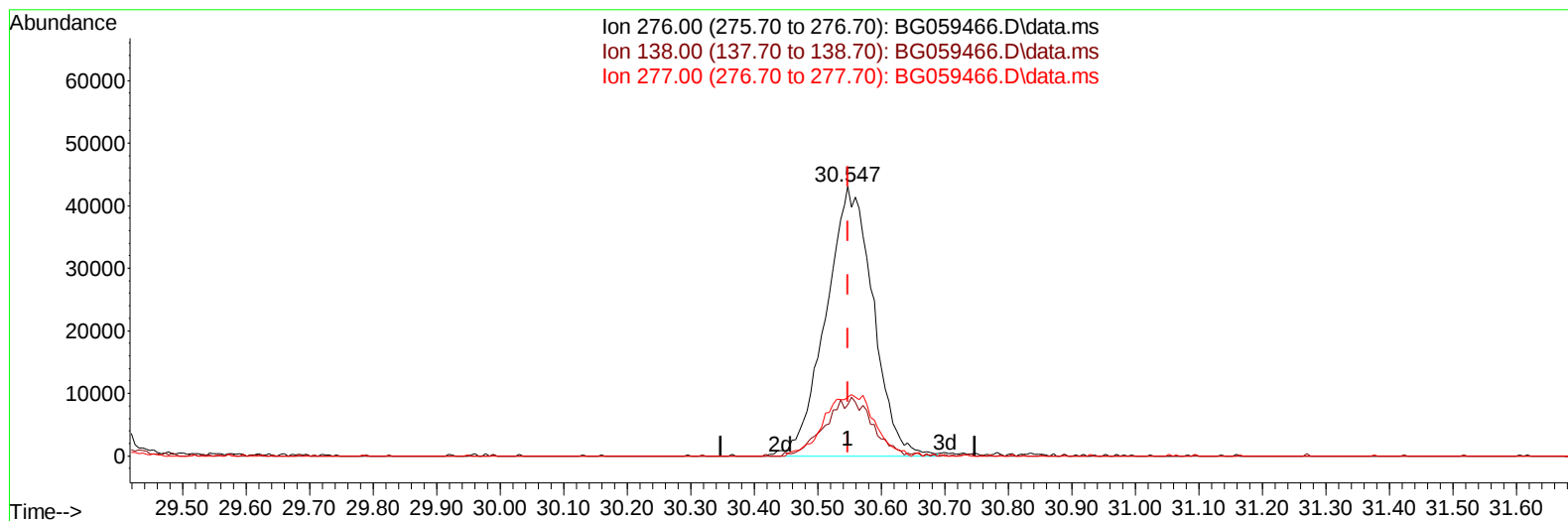
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
Data File : BG059466.D
Acq On : 17 Oct 2023 20:20
Operator : MA/JU
Sample : SSTD02051
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:09:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 18 03:51:17 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



TIC: BG059466.D\data.ms

(96) Benzo(g,h,i)perylene

30.547min (0.000) 20.82 ng/ul m

response 222063

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.90	18.93
277.00	21.80	21.81
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SST002051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST0020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:26:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.191	152	24734	20.000	ng/ul	0.00
20) Naphthalene-d8	11.029	136	107036	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.830	164	64945	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.580	188	147774	20.000	ng/ul	0.00
79) Chrysene-d12	21.869	240	142261	20.000	ng/ul	0.00
88) Perylene-d12	25.312	264	177124	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.479	96	5440	7.181	ng/uL	0.00
4) Pyridine-d5	3.920	84	54965	23.997	ng/ul	0.00
7) Phenol-d5	7.316	99	49638	18.456	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.509	67	28825	18.962	ng/ul	0.00
11) 2-Chlorophenol-d4	7.703	132	38599	20.062	ng/ul	0.00
15) 4-Methylphenol-d8	8.884	113	37692	18.573	ng/ul	0.00
21) Nitrobenzene-d5	9.390	128	17905	20.332	ng/ul	0.00
24) 2-Nitrophenol-d4	10.106	143	17647	20.464	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.629	165	37643	20.806	ng/ul	0.00
31) 4-Chloroaniline-d4	11.176	131	55424	19.601	ng/ul	0.00
46) Dimethylphthalate-d6	14.225	166	109126	19.858	ng/ul	0.00
49) Acenaphthylene-d8	14.531	160	135592	20.291	ng/ul	0.00
54) 4-Nitrophenol-d4	15.018	143	18885	19.641	ng/ul	0.00
60) Fluorene-d10	15.817	176	105457	20.179	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.929	200	16048	17.884	ng/ul	0.00
73) Anthracene-d10	17.680	188	159463	20.920	ng/ul	0.00
81) Pyrene-d10	19.954	212	183633	20.951	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.071	264	204306	20.789	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.514	88	6283m	6.596	ng/uL	
5) Pyridine	3.937	79	55918m	25.003	ng/ul	
6) Benzaldehyde	7.333	77	26448	22.476	ng/ul	100
8) Phenol	7.345	94	48825	18.349	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.609	93	41632	19.655	ng/ul	100
12) 2-Chlorophenol	7.739	128	41237	20.628	ng/ul	100
13) 2-Methylphenol	8.620	108	36657	18.762	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.696	45	83178m	19.116	ng/ul	
16) Acetophenone	9.031	105	58299	19.023	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.996	70	28298	20.054	ng/ul	100
18) 4-Methylphenol	8.949	108	40727	19.175	ng/ul	100
19) Hexachloroethane	9.272	117	14587	19.200	ng/ul	100
22) Nitrobenzene	9.431	77	40094	20.333	ng/ul	100
23) Isophorone	9.936	82	81427	19.662	ng/ul	100
25) 2-Nitrophenol	10.142	139	19470	20.487	ng/ul	100
26) 2,4-Dimethylphenol	10.165	107	37937	19.485	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.424	93	54281	20.379	ng/ul	100
29) 2,4-Dichlorophenol	10.659	162	36530	20.892	ng/ul	100
30) Naphthalene	11.082	128	134378	20.684	ng/ul	100
32) 4-Chloroaniline	11.199	127	54144	20.116	ng/ul	100
33) Hexachlorobutadiene	11.311	225	23923	20.752	ng/ul	100
34) Caprolactam	11.981	113	11197m	18.568	ng/ul	
35) 4-Chloro-3-methylphenol	12.286	107	33931	19.397	ng/ul	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059466.D
 Acq On : 17 Oct 2023 20:20
 Operator : MA/JU
 Sample : SST02051
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST020415

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:26:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 03:51:17 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.668	142	83527	20.145	ng/ul	100
37) 1-Methylnaphthalene	12.885	142	87425	20.514	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.015	216	45014	21.130	ng/ul	100
40) Hexachlorocyclopentadiene	12.968	237	24327	19.714	ng/ul	100
41) 2,4,6-Trichlorophenol	13.262	196	27205	20.938	ng/ul	100
42) 2,4,5-Trichlorophenol	13.332	196	28677	20.295	ng/ul	100
43) 1,1'-Biphenyl	13.667	154	122478	20.854	ng/ul	100
44) 2-Chloronaphthalene	13.720	162	91713	20.324	ng/ul	100
45) 2-Nitroaniline	13.937	65	24441	20.530	ng/ul	100
47) Dimethylphthalate	14.272	163	109211	19.867	ng/ul	100
48) 2,6-Dinitrotoluene	14.419	165	19135	19.004	ng/ul	100
50) Acenaphthylene	14.560	152	144362	20.524	ng/ul	100
51) 3-Nitroaniline	14.760	138	23688	21.722	ng/ul	100
52) Acenaphthene	14.895	153	100488	20.748	ng/ul	100
53) 2,4-Dinitrophenol	14.954	184	9242	16.903	ng/ul	100
55) 4-Nitrophenol	15.036	109	14422	20.897	ng/ul	100
56) Dibenzofuran	15.224	168	139212	21.144	ng/ul	100
57) 2,4-Dinitrotoluene	15.195	165	31188	21.417	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.435	232	26192	20.454	ng/ul	100
59) Diethylphthalate	15.618	149	105660	19.820	ng/ul	100
61) Fluorene	15.870	166	109768	20.162	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.858	204	57917	20.891	ng/ul	100
63) 4-Nitroaniline	15.923	138	23569	21.992	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.947	198	16562	17.430	ng/ul	100
67) N-Nitrosodiphenylamine	16.076	169	93372	21.361	ng/ul	100
68) 4-Bromophenyl-phenylether	16.752	248	33286	20.658	ng/ul	100
69) Hexachlorobenzene	16.846	284	37358	20.289	ng/ul	100
70) Atrazine	17.010	200	34584	20.322	ng/ul	100
71) Pentachlorophenol	17.204	266	18940	18.080	ng/ul	100
72) Phenanthrene	17.621	178	188575	20.470	ng/ul	100
74) Anthracene	17.709	178	192989	20.432	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.626	216	44600	20.904	ng/uL	100
76) Pentachlorobenzene	15.124	250	44760	21.526	ng/uL	100
77) Carbazole	17.991	167	165171	20.221	ng/ul	100
78) Di-n-butylphthalate	18.497	149	182714	19.843	ng/ul	100
80) Fluoranthene	19.613	202	207199	19.835	ng/ul	100
82) Pyrene	19.983	202	233505	20.815	ng/ul	100
83) Butylbenzylphthalate	20.835	149	76322	20.192	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.763	252	82085	22.046	ng/ul	100
85) Benzo(a)anthracene	21.851	228	230552	20.496	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.681	149	115333	20.933	ng/ul	100
87) Chrysene	21.916	228	213580	20.127	ng/ul	100
89) Di-n-octyl phthalate	22.962	149	190520	18.362	ng/ul	100
90) Benzo(b)fluoranthene	24.196	252	237793	19.851	ng/ul	100
91) Benzo(k)fluoranthene	24.272	252	232585	19.098	ng/ul	100
93) Benzo(a)pyrene	25.148	252	236568	20.364	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.284	276	265339	20.335	ng/ul	100
95) Dibenzo(a,h)anthracene	29.366	278	224016	20.634	ng/ul	100
96) Benzo(g,h,i)perylene	30.547	276	222063m	20.824	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

SSTD020415

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023

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