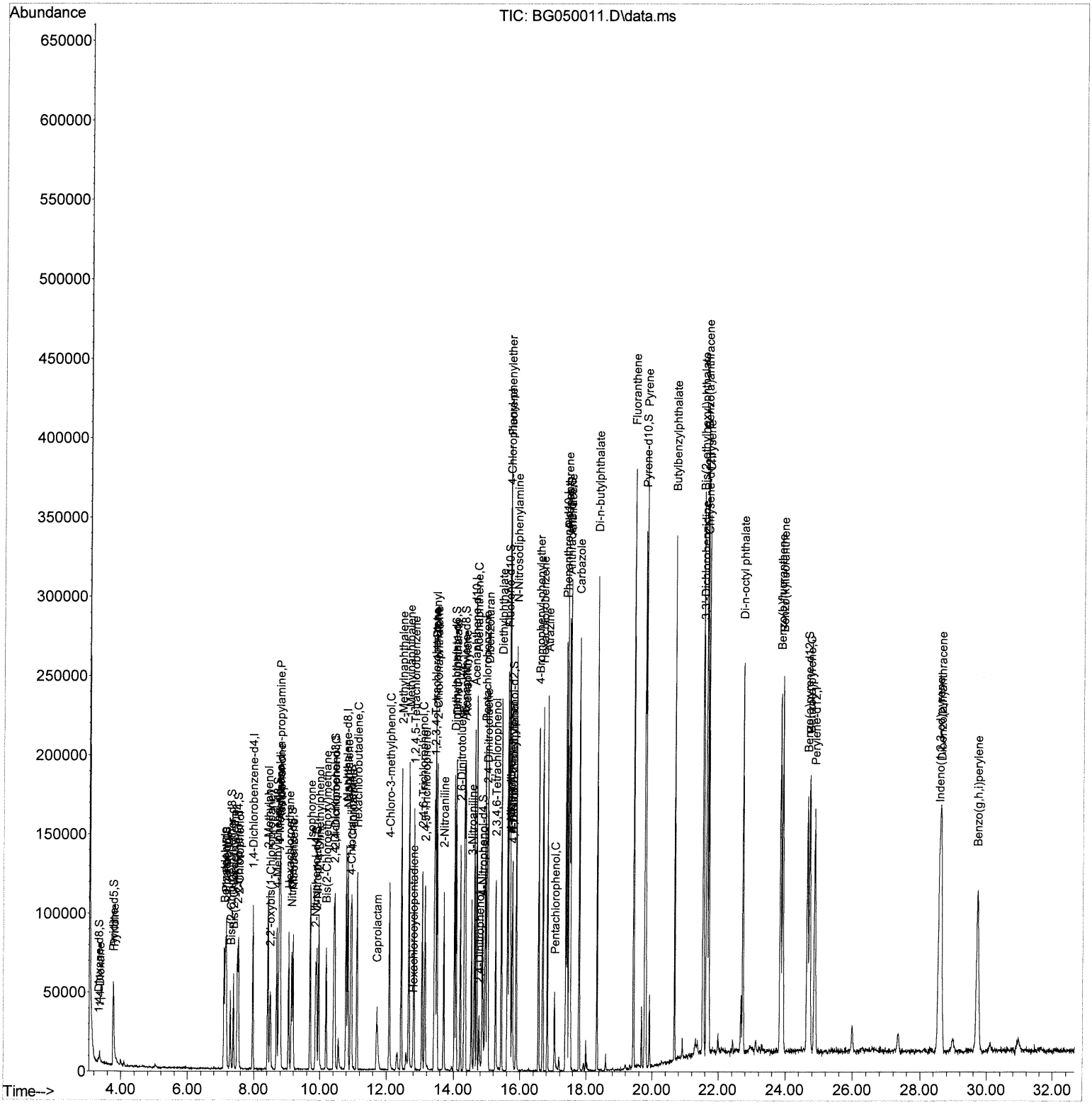
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM

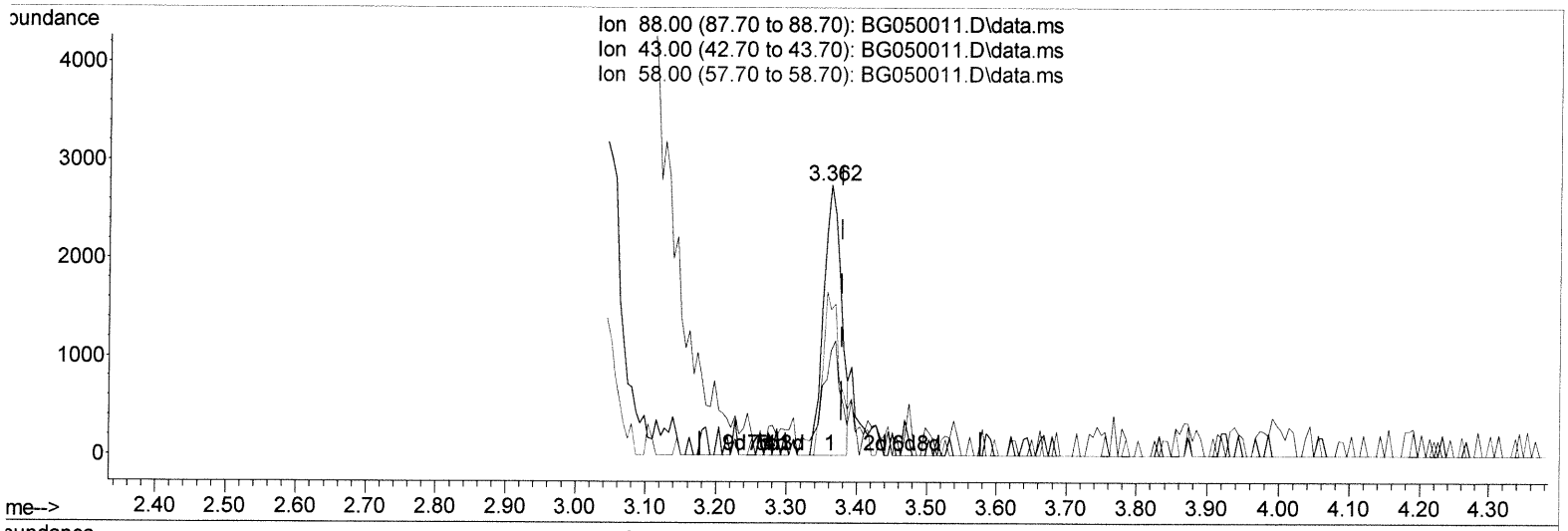


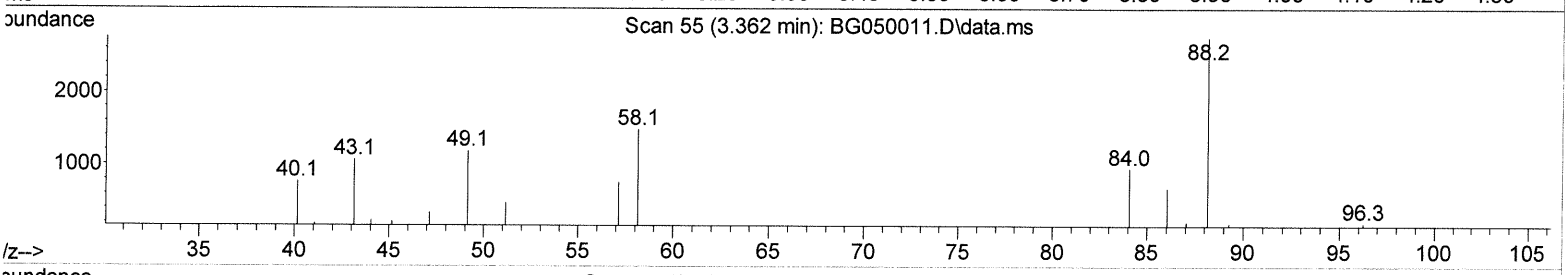
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

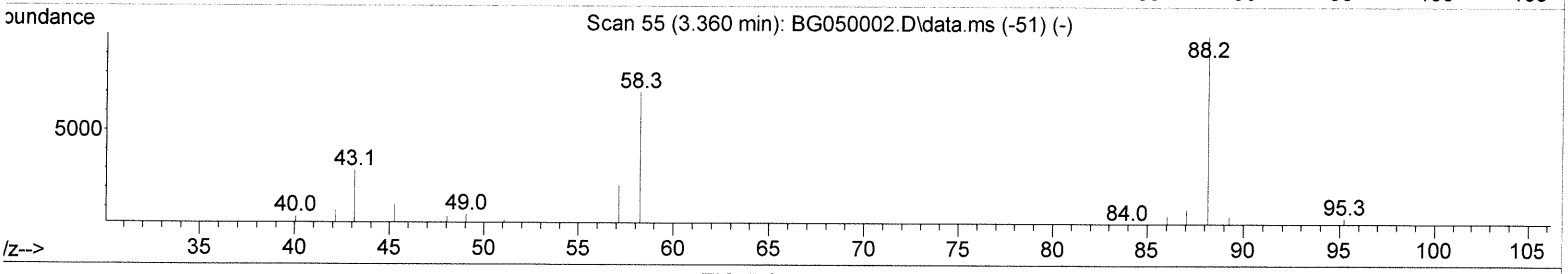
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(2) 1,4-Dioxane

3.362min (-0.015) 7.25 ng/uL

response 4817

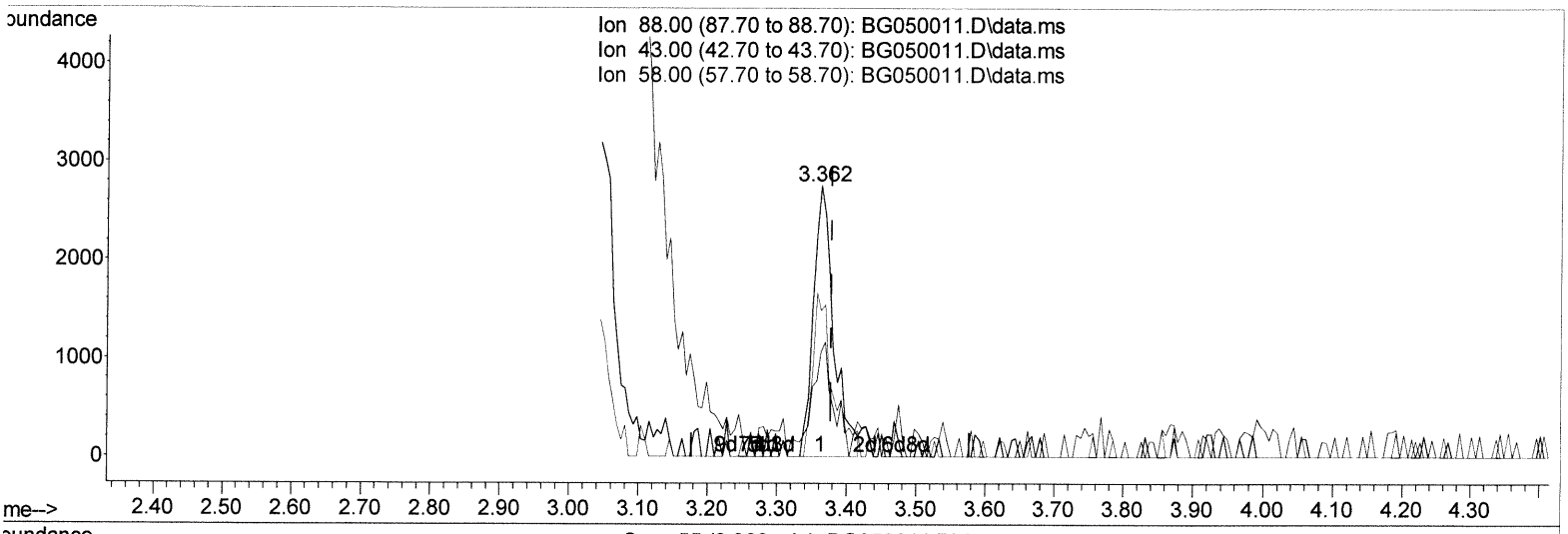
Ion	Exp%	Act%
88.00	100.00	100.00
43.00	27.00	38.58#
58.00	65.00	53.83
0.00	0.00	0.00

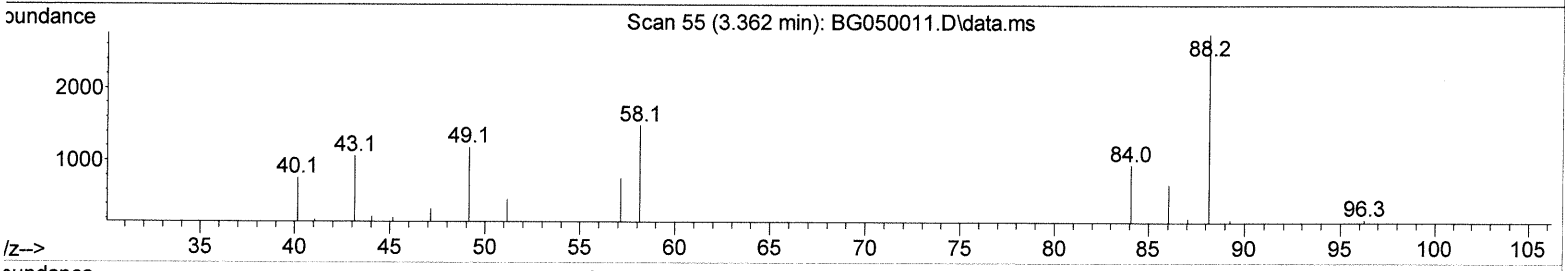
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

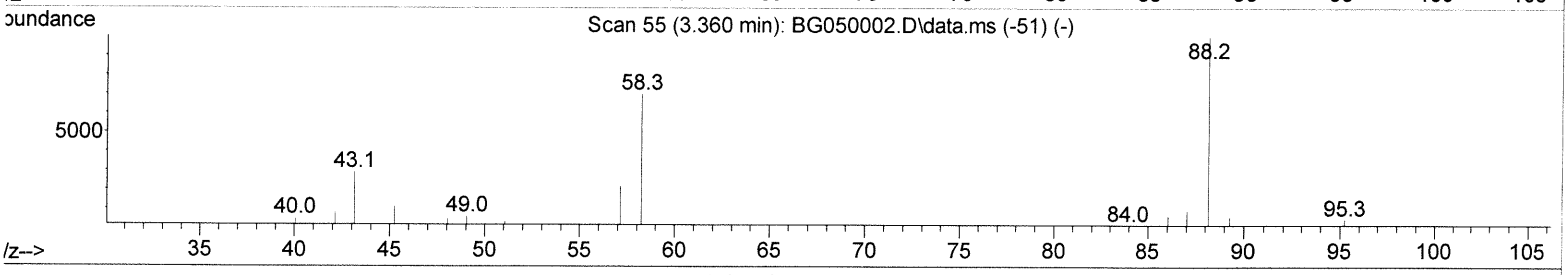
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(2) 1,4-Dioxane

3.362min (-0.015) 8.37 ng/uL m

JU 8/31/21

response 5563

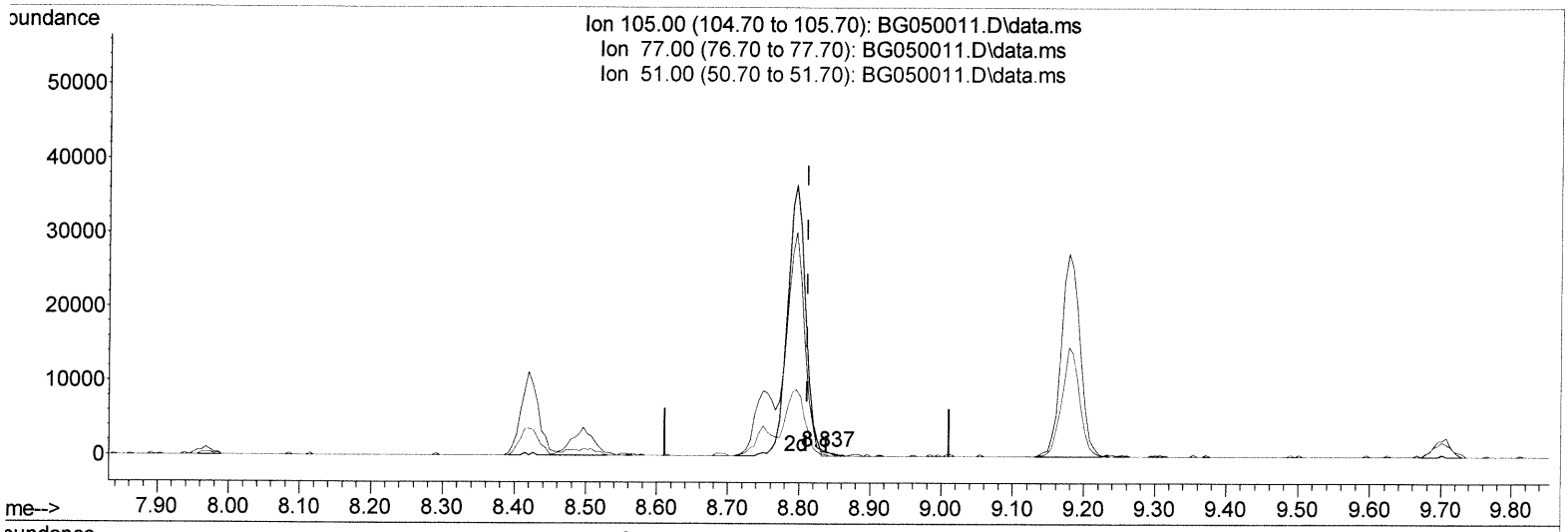
Ion	Exp%	Act%
88.00	100.00	100.00
43.00	27.00	38.58#
58.00	65.00	53.83
0.00	0.00	0.00

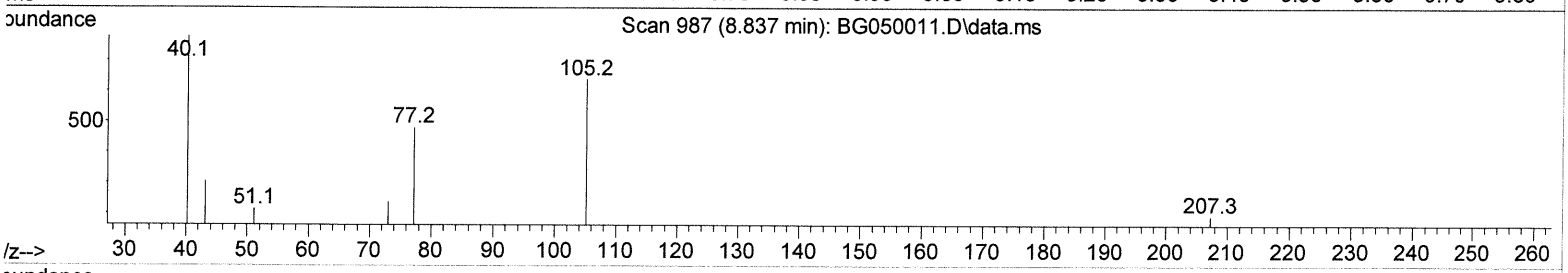
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

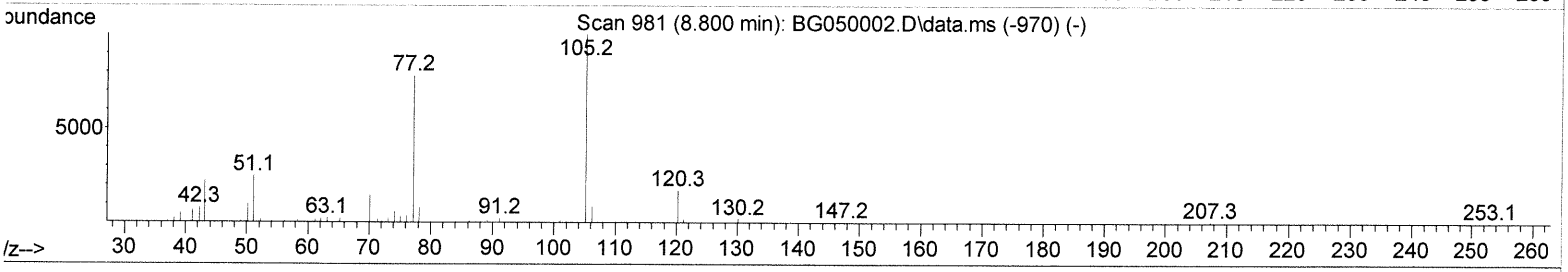
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(16) Acetophenone

8.837min (+ 0.026) 0.16 ng/ul

response 480

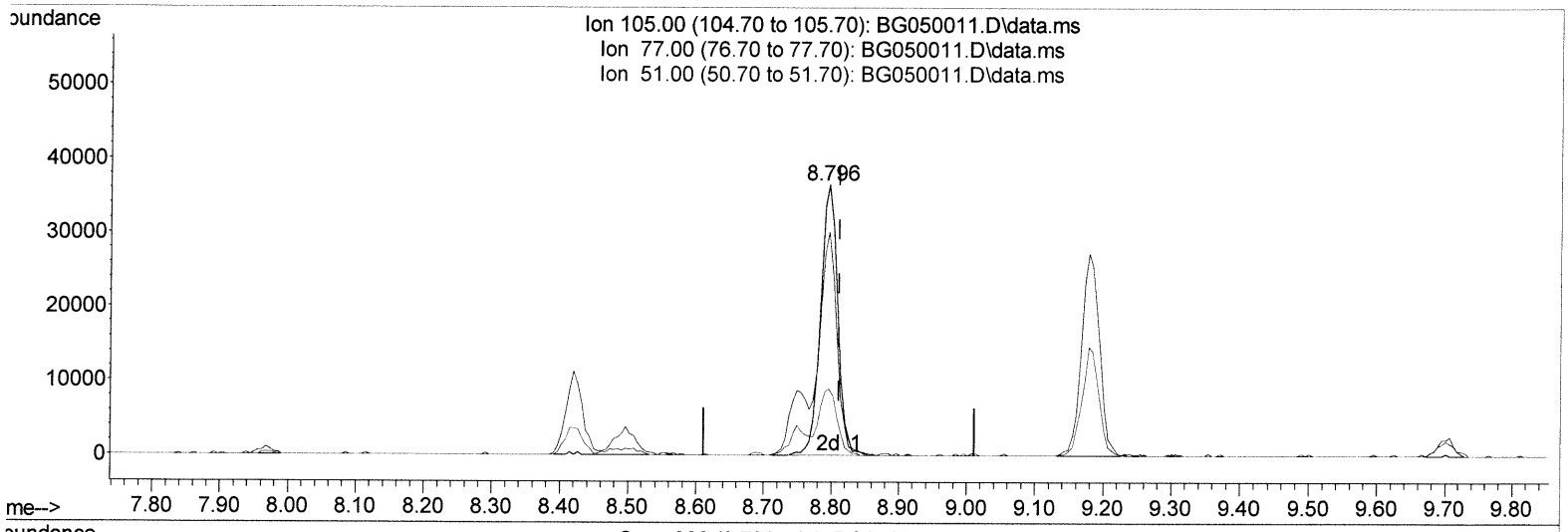
Ion	Exp%	Act%
105.00	100.00	100.00
77.00	84.60	75.24
51.00	31.60	33.54
0.00	0.00	0.00

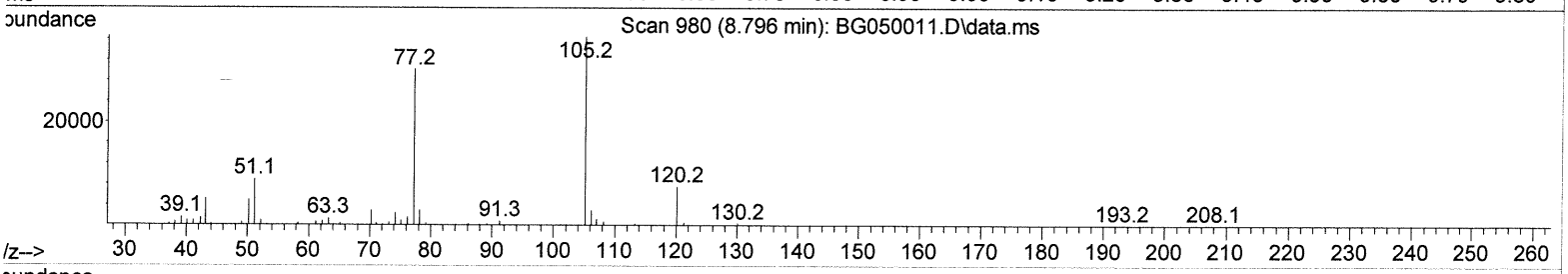
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

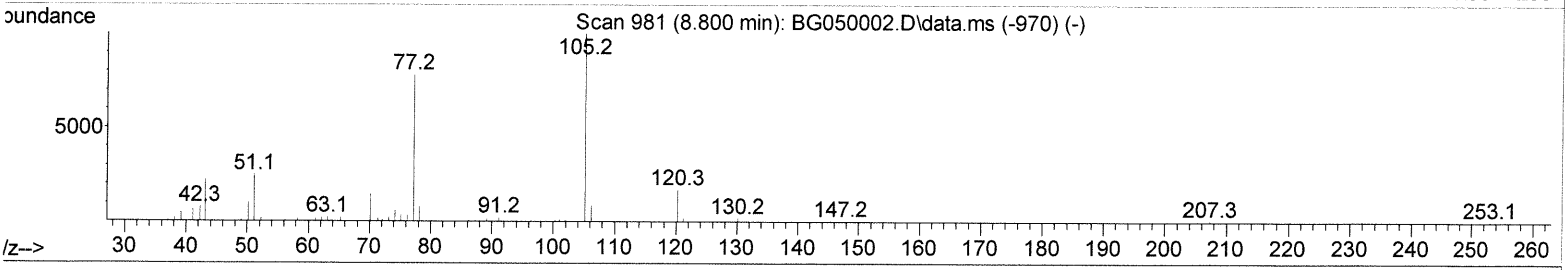
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(16) Acetophenone

8.796min (-0.015) 21.16 ng/ul m JU 8/31/21

response 64847

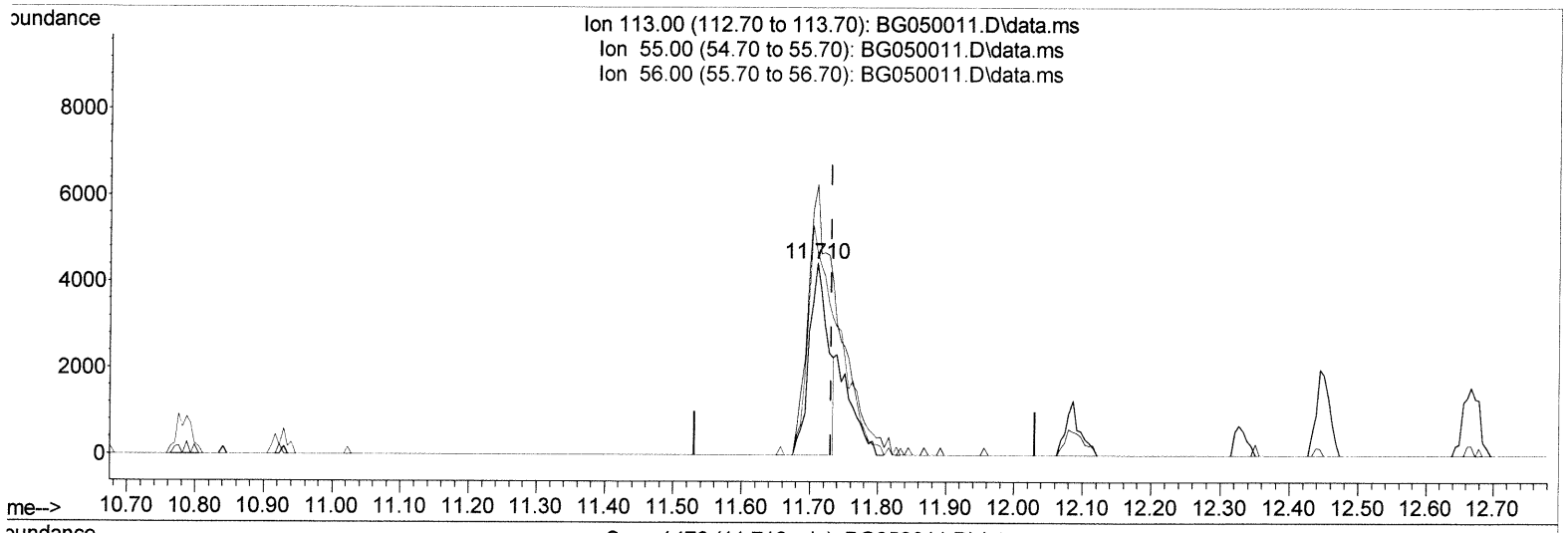
Ion	Exp%	Act%
105.00	100.00	100.00
77.00	84.60	82.73
51.00	31.60	24.40#
0.00	0.00	0.00

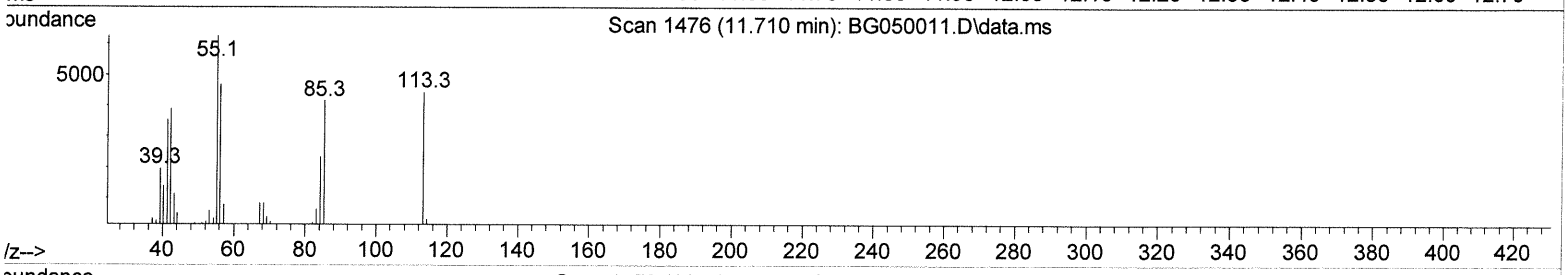
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

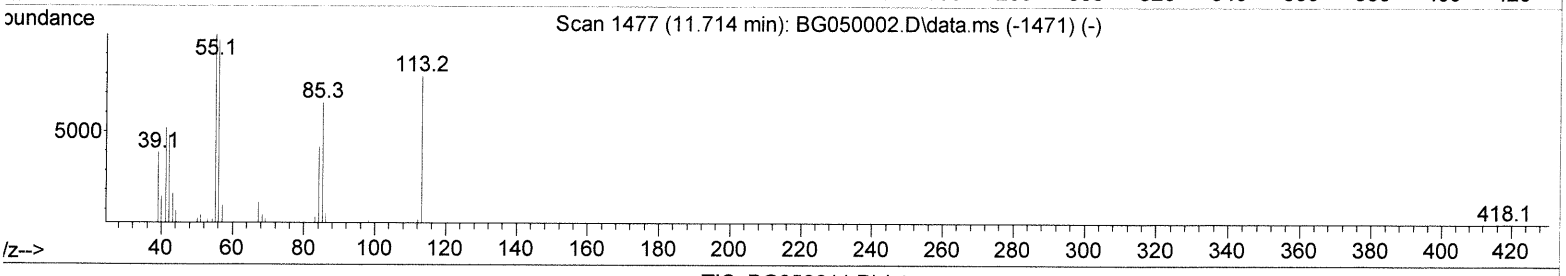
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(34) Caprolactam

11.710min (-0.021) 13.98 ng/ul

response 8507

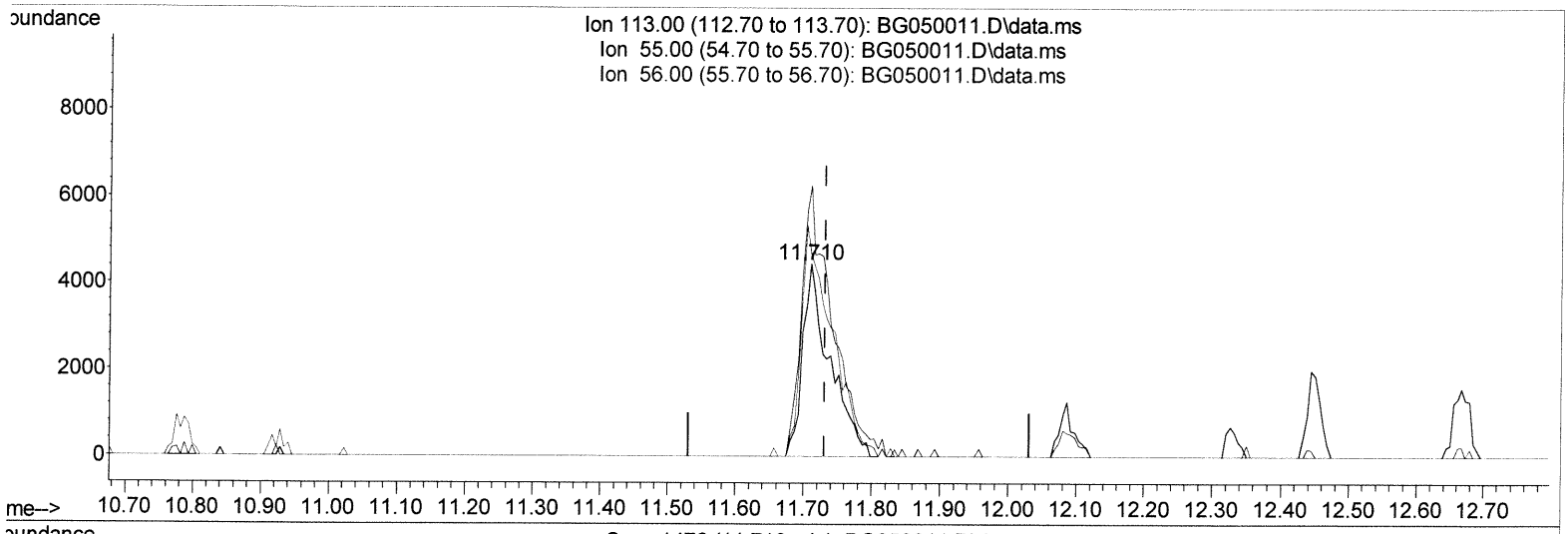
Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	140.81
56.00	134.20	105.31#
0.00	0.00	0.00

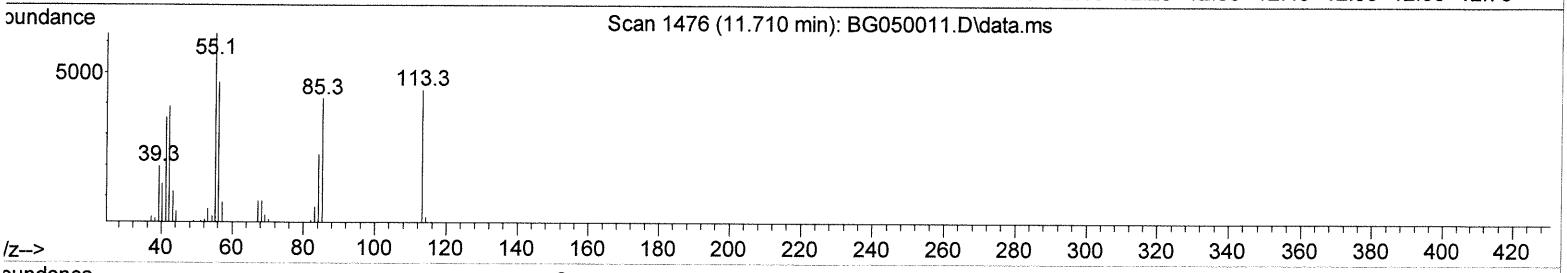
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

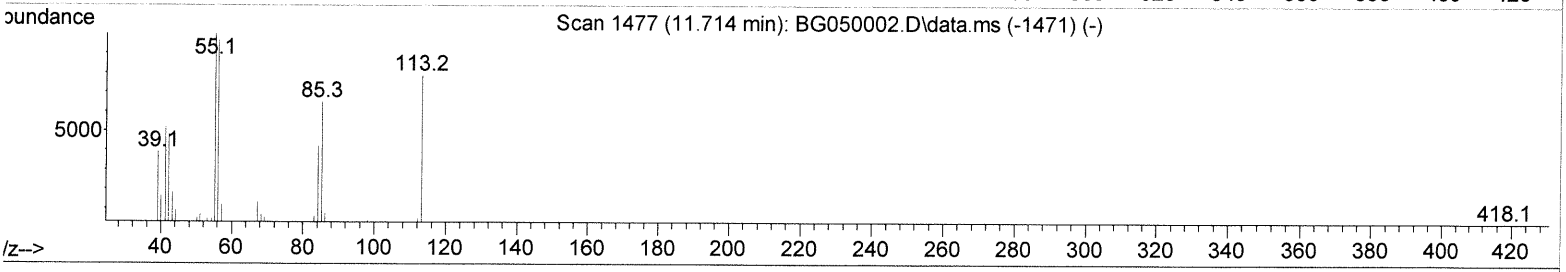
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(34) Caprolactam

11.710min (-0.021) 20.31 ng/ul m

JU 8/31/21

response 12362

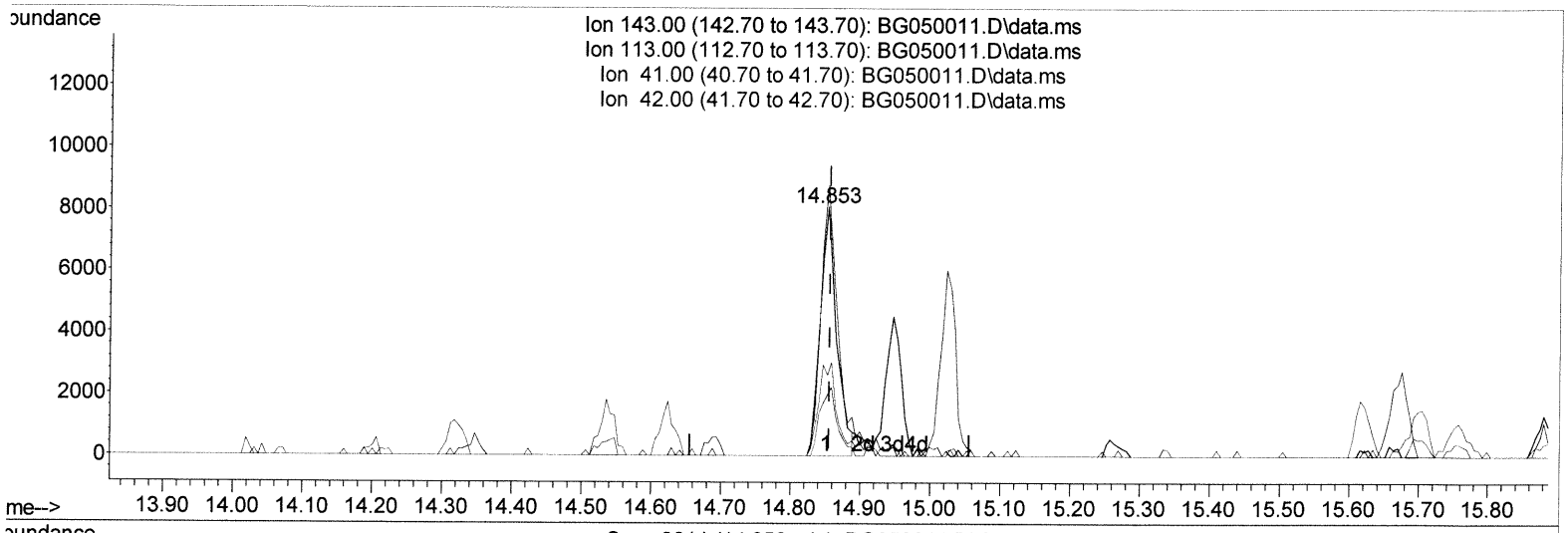
Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	140.81
56.00	134.20	105.31#
0.00	0.00	0.00

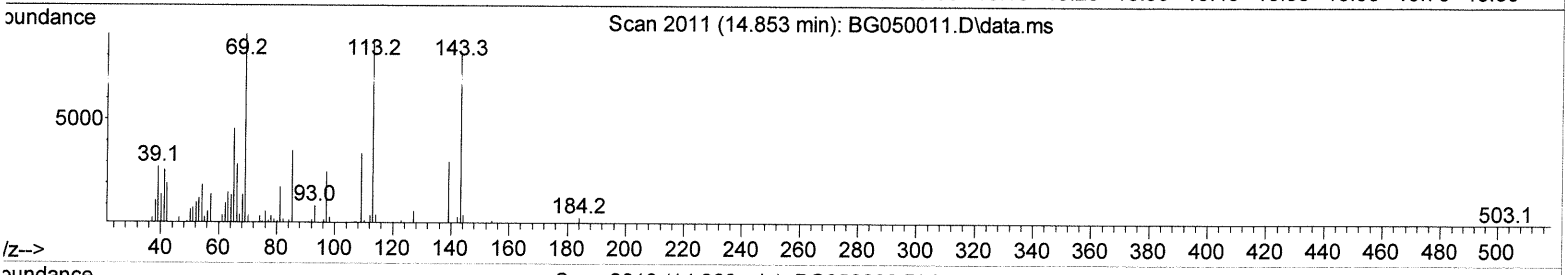
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

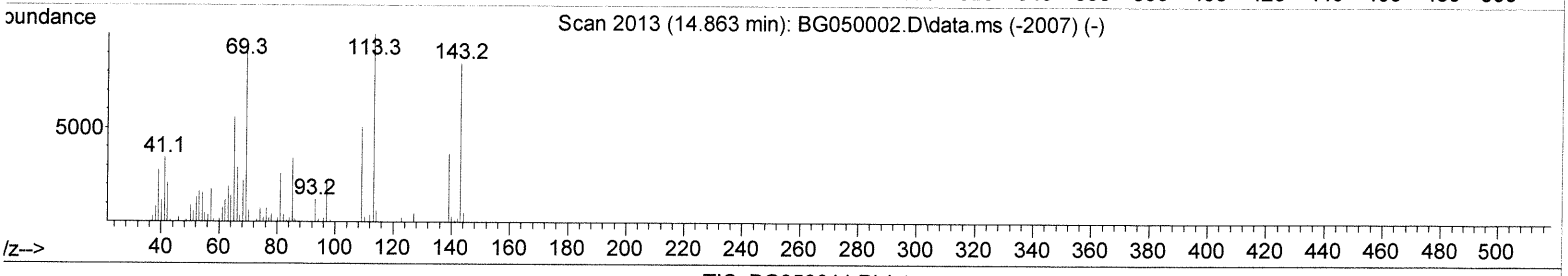
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.853min (-0.004) 14.96 ng/ul

response 13097

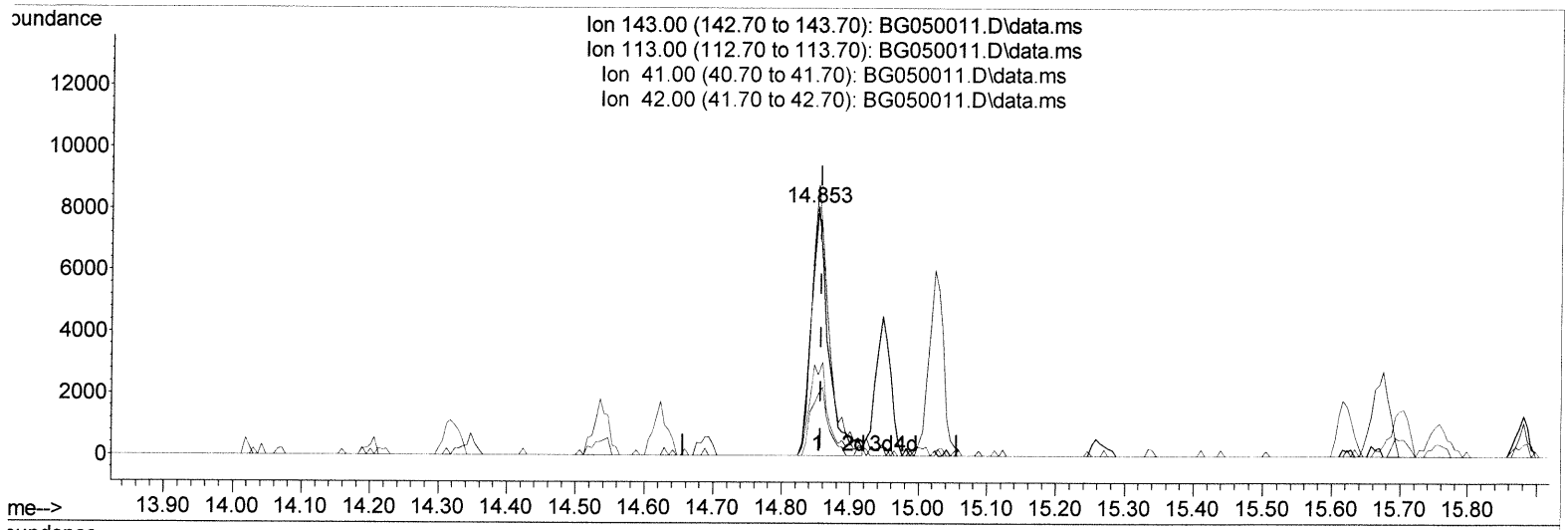
Ion	Exp%	Act%
143.00	100.00	100.00
113.00	121.00	108.65
41.00	45.30	32.31#
42.00	25.60	24.61

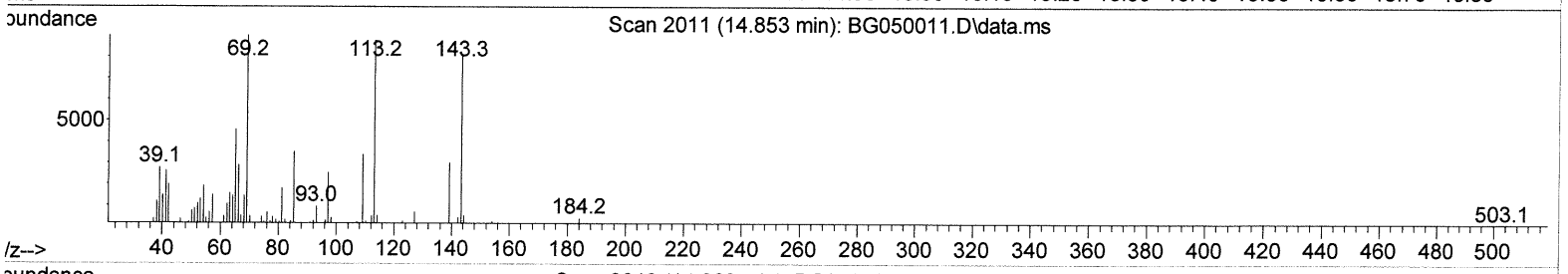
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

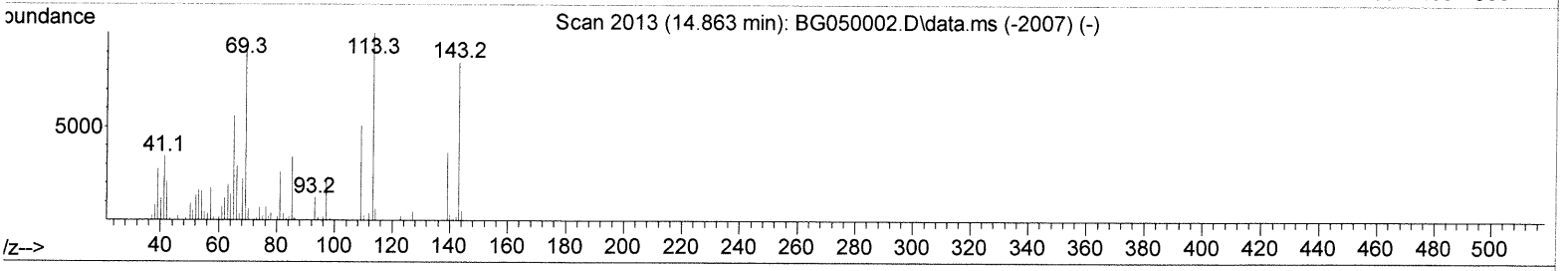
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.853min (-0.004) 15.87 ng/ul m

8/31/21

response 13896

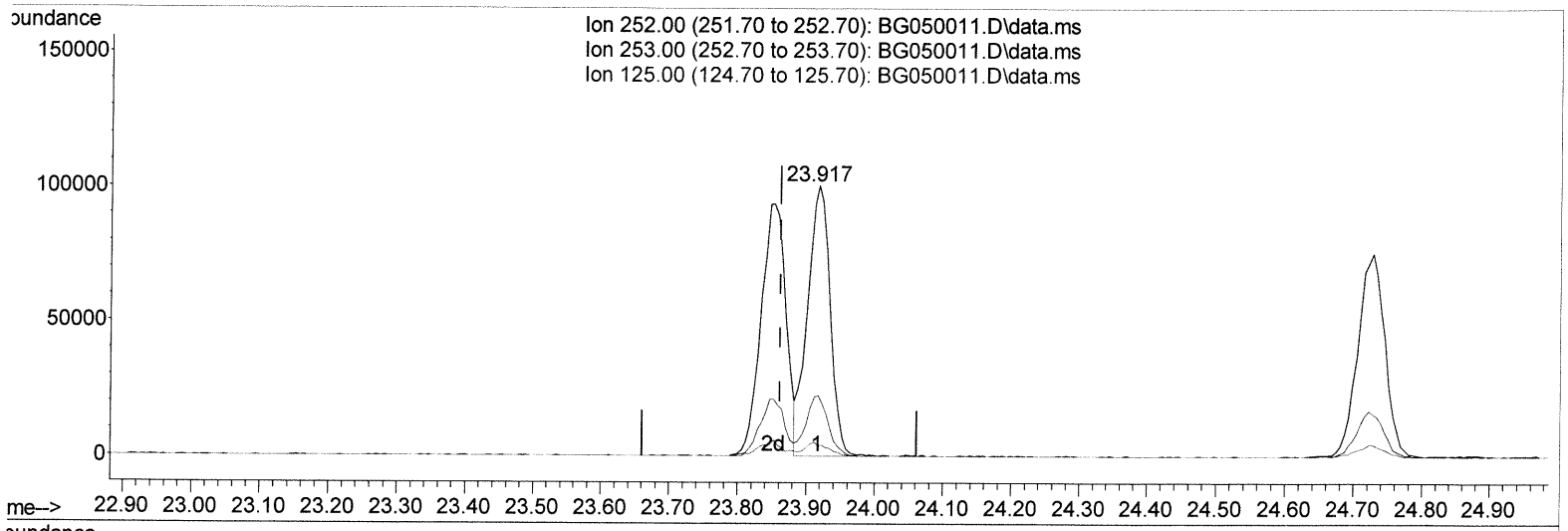
Ion	Exp%	Act%
143.00	100.00	100.00
113.00	121.00	108.65
41.00	45.30	32.31#
42.00	25.60	24.61

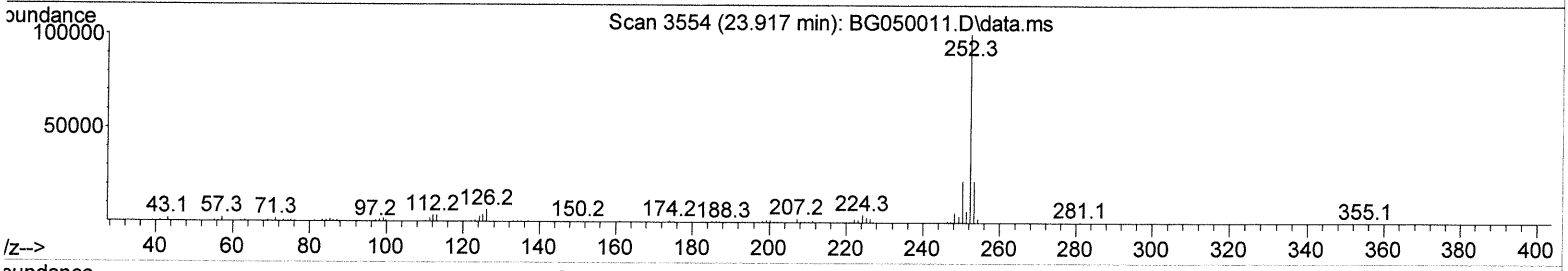
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

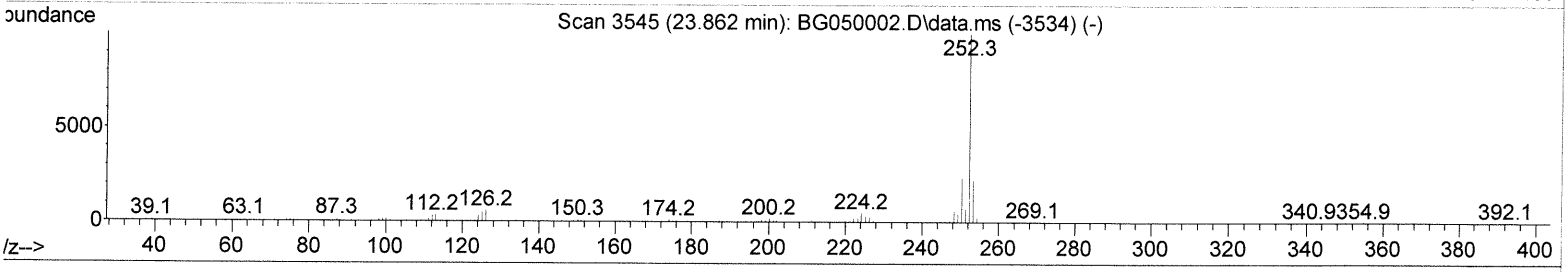
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(90) Benzo(b)fluoranthene

23.917min (+ 0.055) 22.07 ng/ul

response 230813

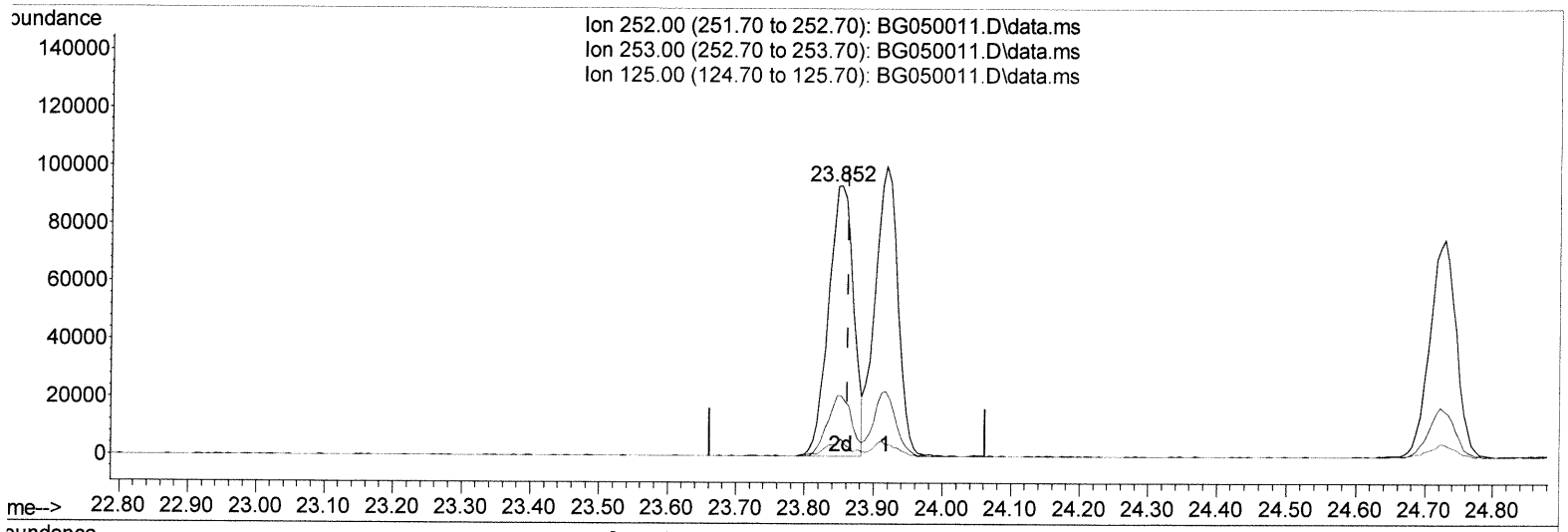
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.60	22.26
125.00	4.20	3.77
0.00	0.00	0.00

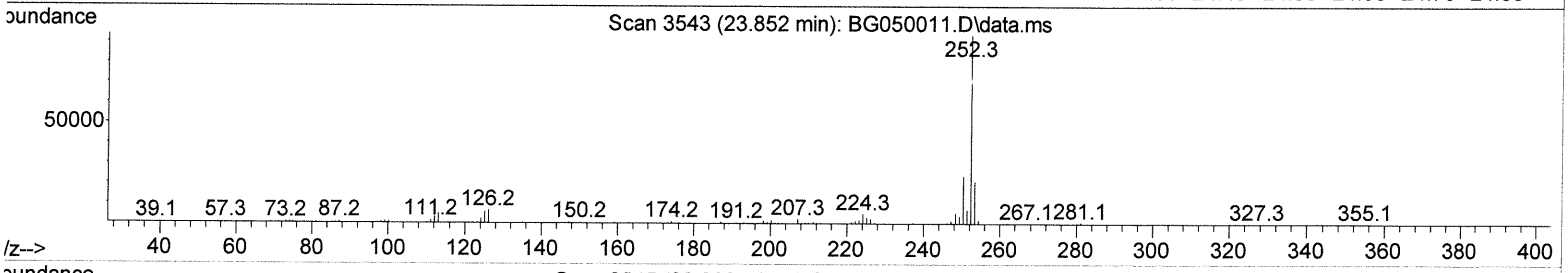
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

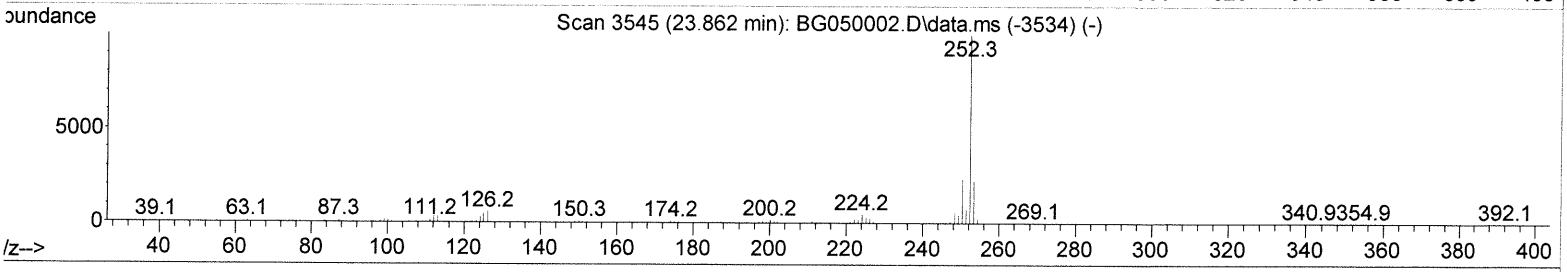
Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM







TIC: BG050011.D\data.ms

(90) Benzo(b)fluoranthene

23.852min (-0.010) 22.44 ng/ul m JU 8/31/21

response 234672

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.60	22.40
125.00	4.20	6.25#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM

Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.962	152	28099	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.788	136	114967	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.624	164	79092	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.379	188	168708	20.000	ng/ul	-0.02
79) Chrysene-d12	21.655	240	158200	20.000	ng/ul	0.00
88) Perylene-d12	24.874	264	163463	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	1535	2.817	ng/uL	-0.02
4) Pyridine-d5	3.756	84	21361	13.015	ng/ul	-0.02
7) Phenol-d5	7.140	99	41716	17.483	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.286	67	24327	18.352	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.498	132	32401	18.148	ng/ul	-0.02
15) 4-Methylphenol-d8	8.685	113	31653	16.844	ng/ul	-0.02
21) Nitrobenzene-d5	9.137	128	16855	18.910	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.859	143	18351	17.291	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.417	165	34974	18.476	ng/ul	0.00
31) 4-Chloroaniline-d4	10.923	131	43412	16.849	ng/ul	-0.02
46) Dimethylphthalate-d6	14.024	166	120454	19.900	ng/ul	-0.02
49) Acenaphthylene-d8	14.318	160	139481	19.653	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.853	143	13896m	15.867	ng/ul	0.00
60) Fluorene-d10	15.622	176	103129	20.095	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	19065	17.565	ng/ul	0.00
73) Anthracene-d10	17.479	188	159069	20.997	ng/ul	-0.02
81) Pyrene-d10	19.770	212	187098	21.885	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.657	264	180159	20.774	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.362	88	5563m	8.374	ng/uL	
5) Pyridine	3.779	79	28399	16.009	ng/ul	88
6) Benzaldehyde	7.098	77	28431	20.706	ng/ul	99
8) Phenol	7.163	94	47764	19.819	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.380	93	34350	20.646	ng/ul	99
12) 2-Chlorophenol	7.533	128	37156	21.061	ng/ul#	87
13) 2-Methylphenol	8.420	108	36151	19.443	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.491	45	34424	19.731	ng/ul	97
16) Acetophenone	8.796	105	64847m	21.160	ng/ul	
17) N-Nitroso-di-n-propyla...	8.773	70	31787	20.657	ng/ul	96
18) 4-Methylphenol	8.755	108	38882	19.438	ng/ul	89
19) Hexachloroethane	9.055	117	16534	21.415	ng/ul	94
22) Nitrobenzene	9.178	77	50364	20.853	ng/ul	97
23) Isophorone	9.701	82	88513	20.570	ng/ul	99
25) 2-Nitrophenol	9.901	139	21408	20.747	ng/ul#	92
26) 2,4-Dimethylphenol	9.959	107	36823	16.058	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.182	93	44445	20.002	ng/ul	91
29) 2,4-Dichlorophenol	10.441	162	36962	21.274	ng/ul	94
30) Naphthalene	10.835	128	113661	19.780	ng/ul#	96
32) 4-Chloroaniline	10.946	127	46414	18.705	ng/ul#	81
33) Hexachlorobutadiene	11.117	225	28447	20.239	ng/ul	92
34) Caprolactam	11.710	113	12362m	20.312	ng/ul	
35) 4-Chloro-3-methylphenol	12.086	107	44595	21.476	ng/ul	92

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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050010.D
Acq On : 27 Aug 2021 23:50
Operator : CG/JU
Sample : M3365-15MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DBKC0MS

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:02 AM

Quant Time: Aug 28 01:31:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.450	142	89167	20.874 ng/ul	95
37) 1-Methylnaphthalene	12.667	142	85995	19.945 ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.820	216	51326	22.094 ng/ul#	97
40) Hexachlorocyclopentadiene	12.791	237	3893	3.744 ng/ul	88
41) 2,4,6-Trichlorophenol	13.067	196	30659	20.710 ng/ul	90
42) 2,4,5-Trichlorophenol	13.149	196	32488	20.939 ng/ul	94
43) 1,1'-Biphenyl	13.455	154	115976	20.989 ng/ul	96
44) 2-Chloronaphthalene	13.502	162	92601	20.864 ng/ul	99
45) 2-Nitroaniline	13.707	65	32895	21.829 ng/ul	95
47) Dimethylphthalate	14.071	163	123942	20.690 ng/ul	97
48) 2,6-Dinitrotoluene	14.201	165	27881	22.543 ng/ul	92
50) Acenaphthylene	14.347	152	136658	21.068 ng/ul	96
51) 3-Nitroaniline	14.535	138	23929	20.051 ng/ul#	75
52) Acenaphthene	14.688	153	99011	21.042 ng/ul	96
53) 2,4-Dinitrophenol	14.770	184	9016	14.273 ng/ul#	68
55) 4-Nitrophenol	14.870	109	19102	17.204 ng/ul	96
56) Dibenzofuran	15.023	168	139230	21.367 ng/ul	100
57) 2,4-Dinitrotoluene	14.999	165	39617	22.269 ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.264	232	27184	21.143 ng/ul#	94
59) Diethylphthalate	15.434	149	128770	21.013 ng/ul	99
61) Fluorene	15.675	166	118741	21.599 ng/ul	90
62) 4-Chlorophenyl-phenyle...	15.663	204	61119	21.012 ng/ul	99
63) 4-Nitroaniline	15.699	138	24745	20.777 ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.769	198	18669	18.977 ng/ul#	96
67) N-Nitrosodiphenylamine	15.881	169	101294	22.805 ng/ul	95
68) 4-Bromophenyl-phenylether	16.562	248	43215	23.155 ng/ul	93
69) Hexachlorobenzene	16.685	284	49198	22.829 ng/ul	99
70) Atrazine	16.826	200	48157	24.405 ng/ul	96
71) Pentachlorophenol	17.044	266	10660	11.681 ng/ul	94
72) Phenanthrene	17.420	178	193446	23.000 ng/ul	96
74) Anthracene	17.514	178	195524	22.941 ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.425	216	51570	22.784 ng/uL	91
76) Pentachlorobenzene	14.953	250	53372	22.253 ng/uL	93
77) Carbazole	17.784	167	173847	22.923 ng/ul	99
78) Di-n-butylphthalate	18.330	149	222310	22.920 ng/ul	98
80) Fluoranthene	19.435	202	244695	23.195 ng/ul	98
82) Pyrene	19.799	202	241050	23.059 ng/ul	98
83) Butylbenzylphthalate	20.674	149	96346	23.355 ng/ul	99
84) 3,3'-Dichlorobenzidine	21.544	252	77674	20.712 ng/ul	94
85) Benzo(a)anthracene	21.632	228	228621	23.193 ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.520	149	134931	23.817 ng/ul	98
87) Chrysene	21.696	228	217307	23.321 ng/ul	97
89) Di-n-octyl phthalate	22.730	149	220459	22.735 ng/ul	100
90) Benzo(b)fluoranthene	23.852	252	234672m	22.443 ng/ul	
91) Benzo(k)fluoranthene	23.917	252	230813	23.223 ng/ul#	99
93) Benzo(a)pyrene	24.727	252	206251	22.713 ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.569	276	267744	22.352 ng/ul#	96
95) Dibenzo(a,h)anthracene	28.616	278	222362	22.175 ng/ul#	96
96) Benzo(g,h,i)perylene	29.721	276	213220	21.173 ng/ul	96

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

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