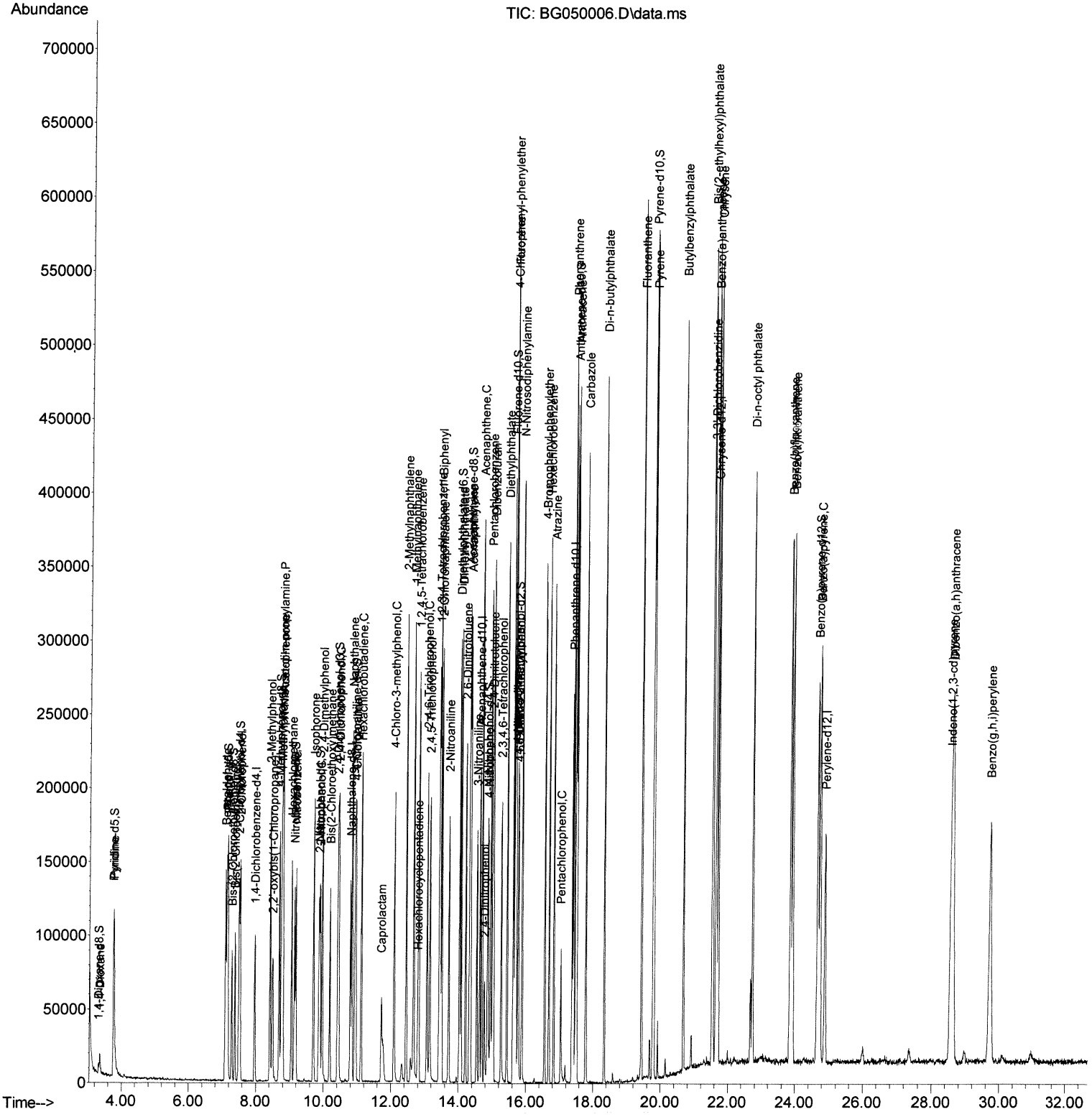
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
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ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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
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Instrument :
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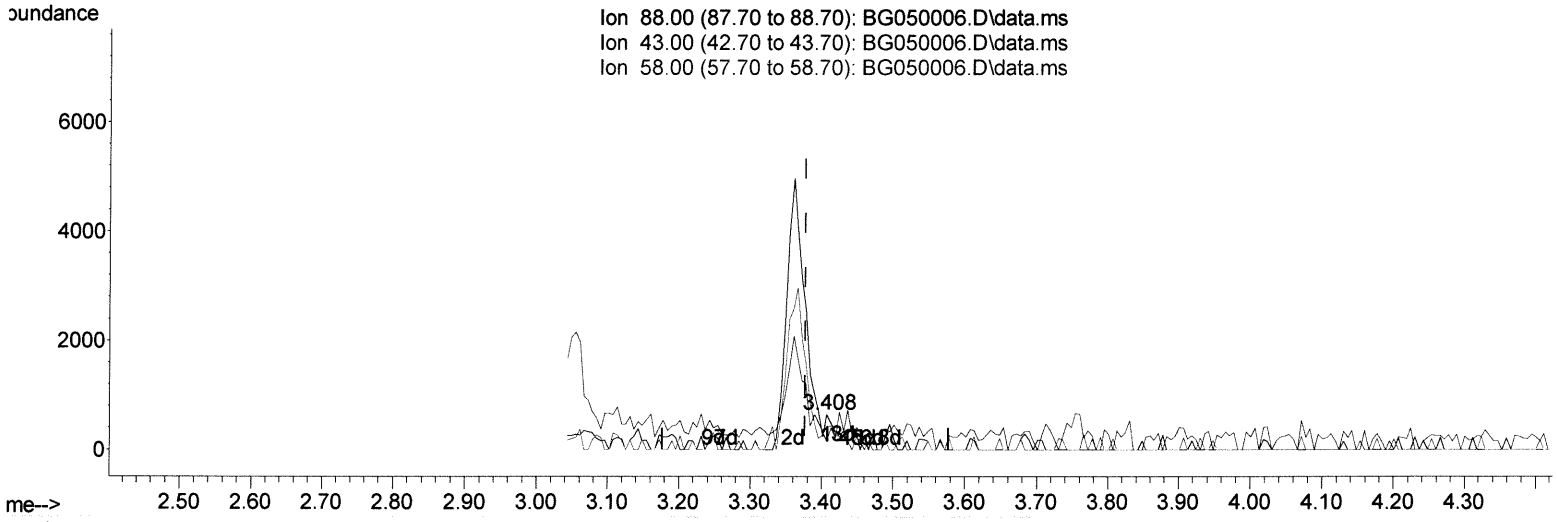
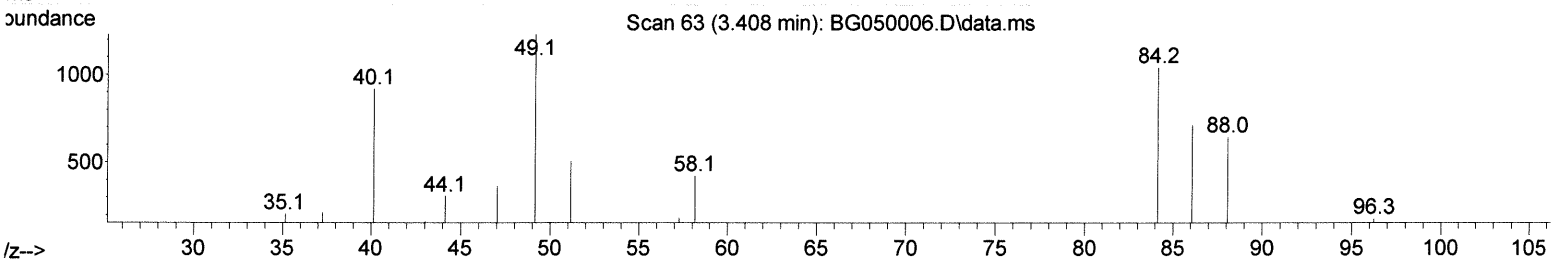
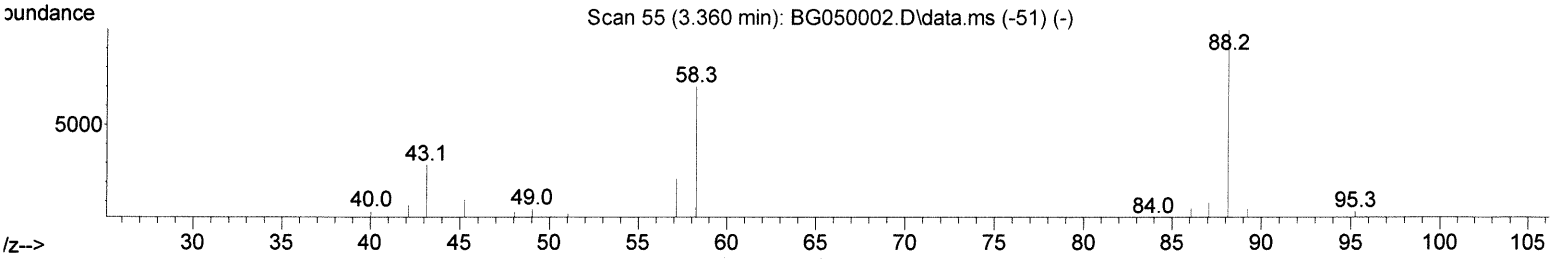
ClientSampleId :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM







TIC: BG050006.D\data.ms

(2) 1,4-Dioxane

3.408min (+ 0.030) 0.78 ng/uL

response 515

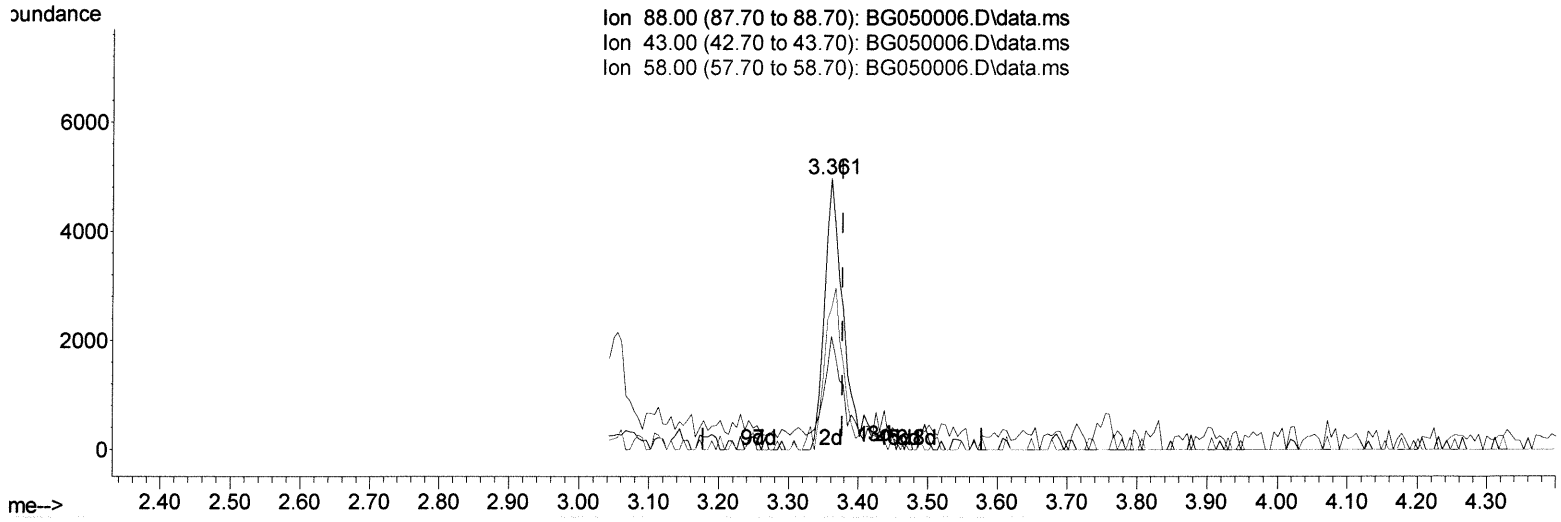
Ion	Exp%	Act%
88.00	100.00	100.00
43.00	27.00	25.00
58.00	65.00	65.37
0.00	0.00	0.00

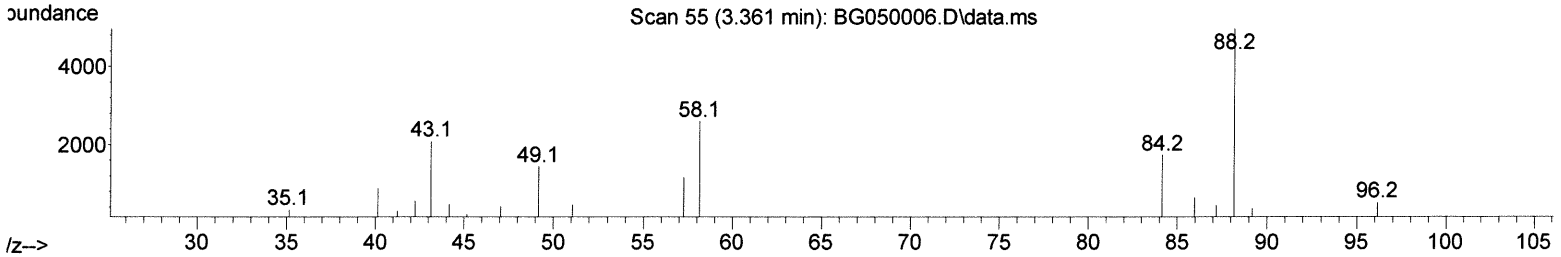
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

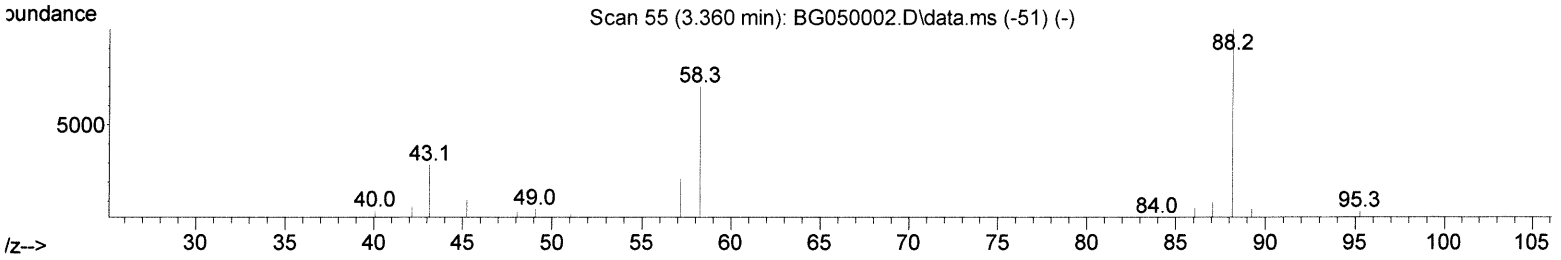
Quant Time: Aug 27 23:36:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM







TIC: BG050006.D\data.ms

(2) 1,4-Dioxane

3.361min (-0.017) 13.45 ng/uL m

JU 8/31/21

response 8935

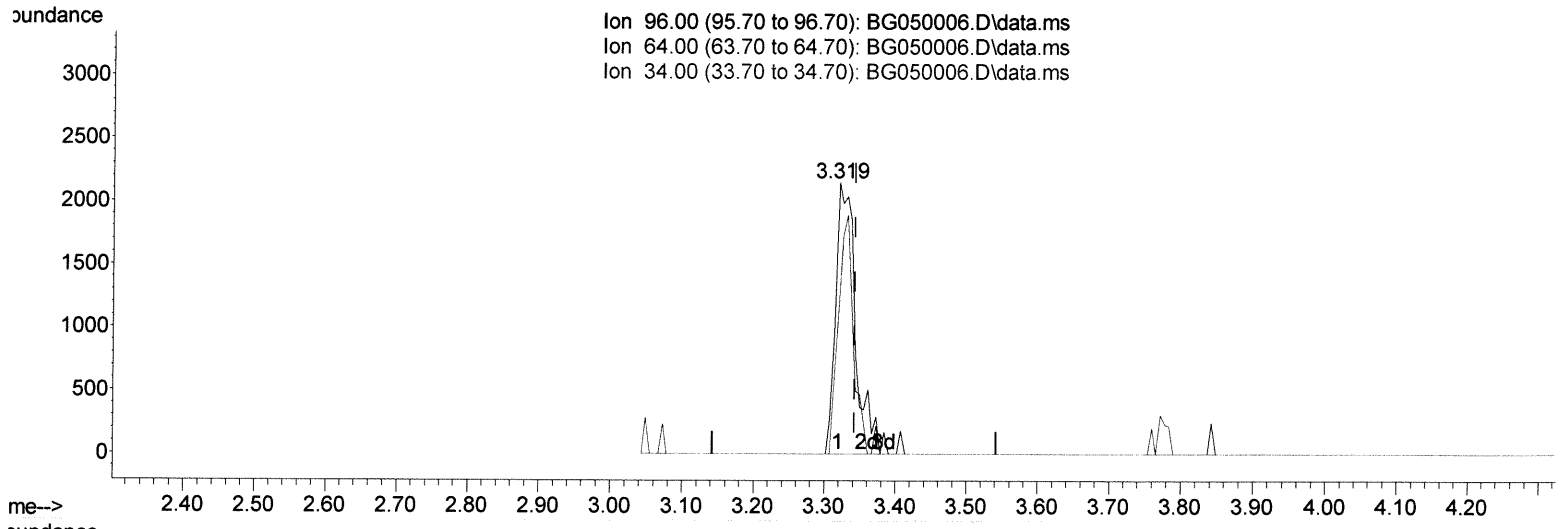
Ion	Exp%	Act%
88.00	100.00	100.00
43.00	27.00	41.96#
58.00	65.00	52.22
0.00	0.00	0.00

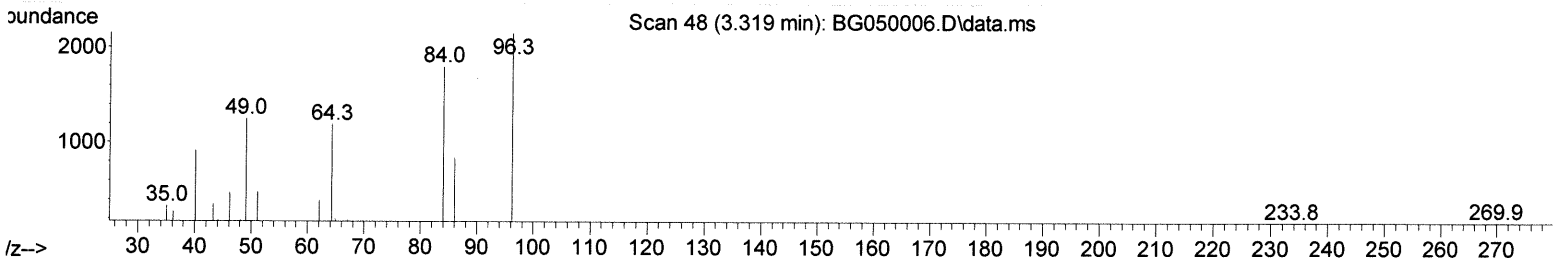
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

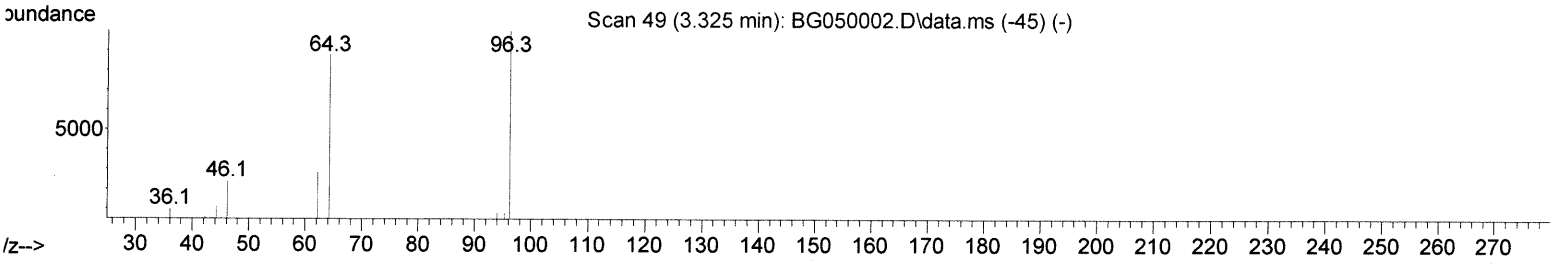
Quant Time: Aug 27 23:36:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM







TIC: BG050006.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.319min (-0.023) 3.47 ng/uL

response 1889

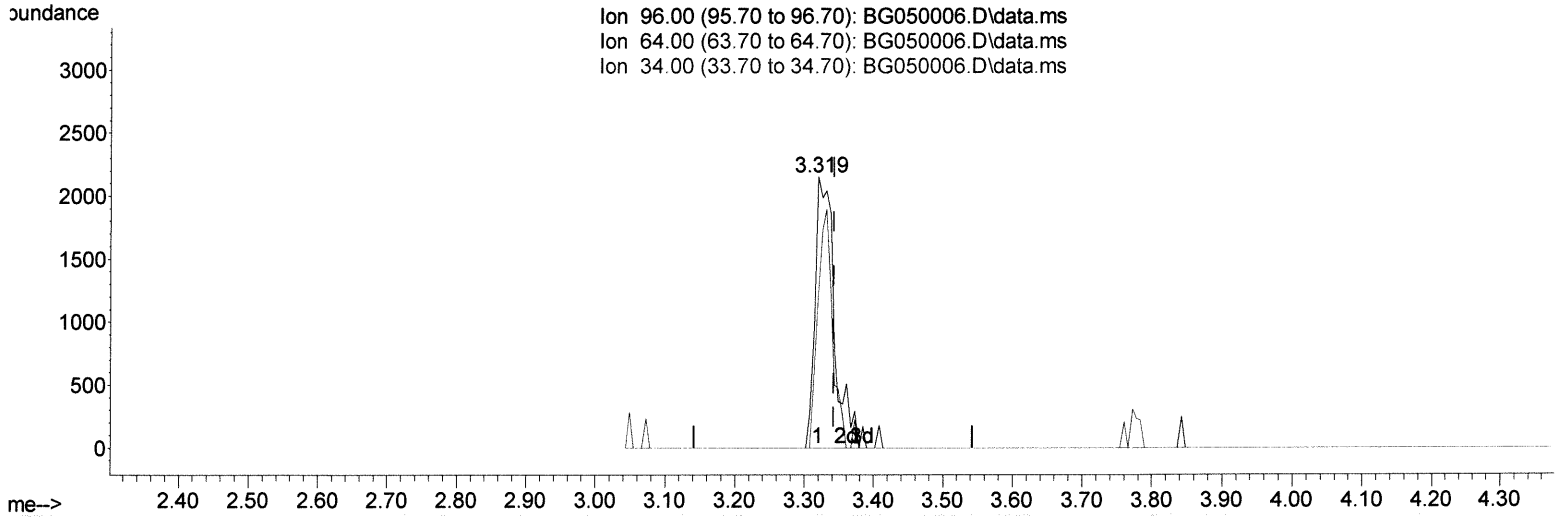
Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	55.26
34.00	0.00	0.00
0.00	0.00	0.00

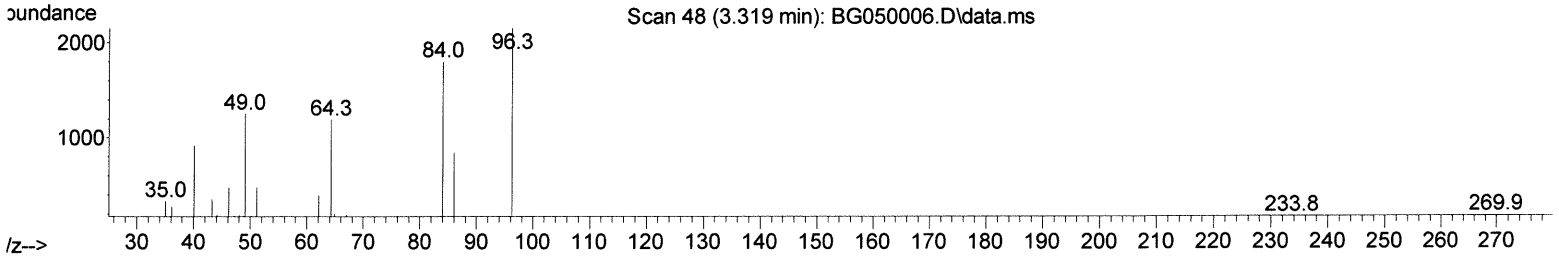
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

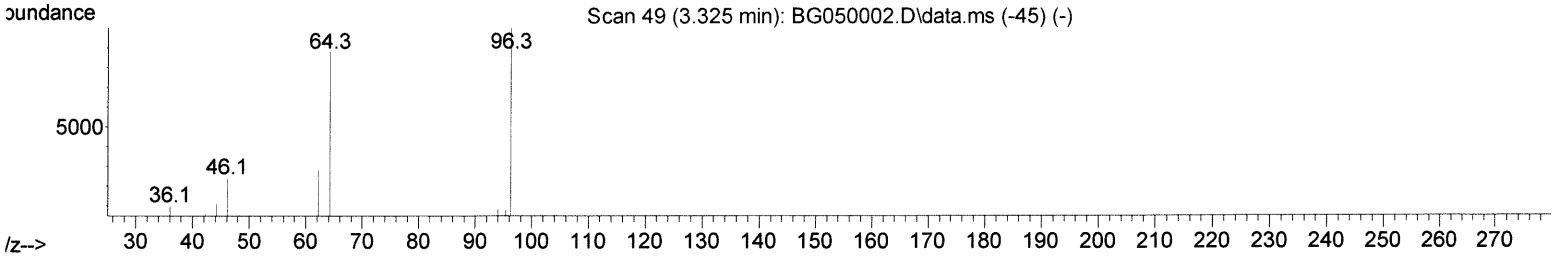
Quant Time: Aug 27 23:36:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM







TIC: BG050006.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.319min (-0.023) 7.58 ng/uL m JU 8/31/21

response 4129

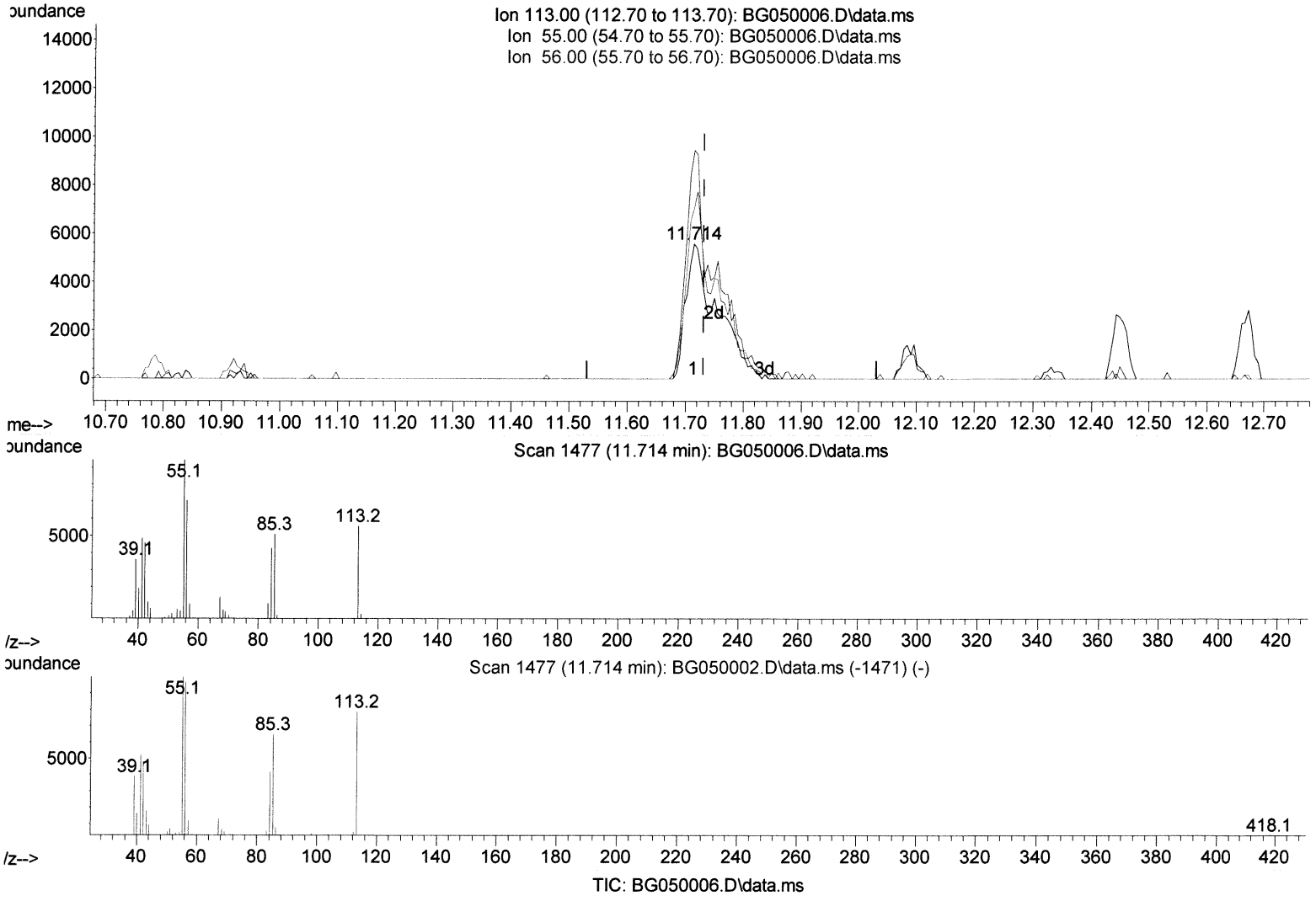
Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	55.26
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM



TIC: BG050006.D\data.ms

(34) Caprolactam

11.714min (-0.017) 21.70 ng/ul

response 12930

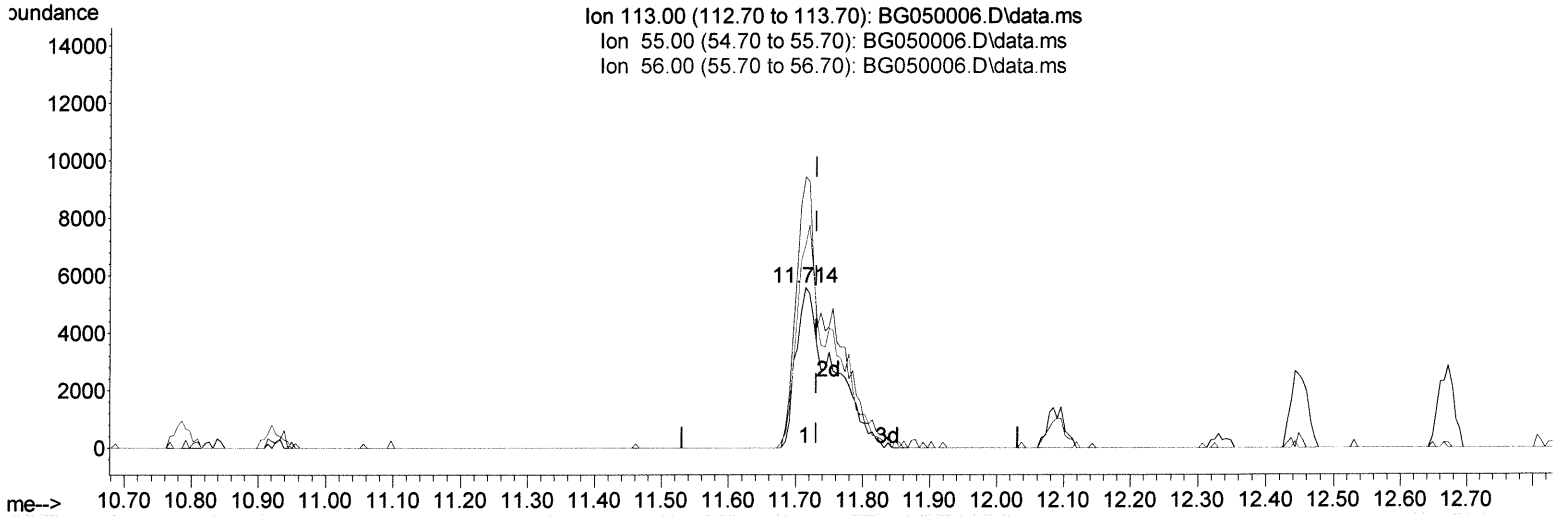
Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	169.03
56.00	134.20	126.97
0.00	0.00	0.00

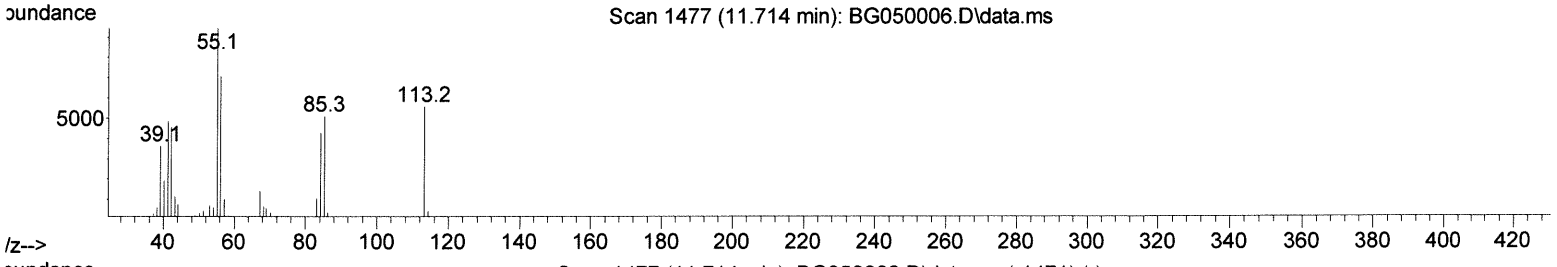
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

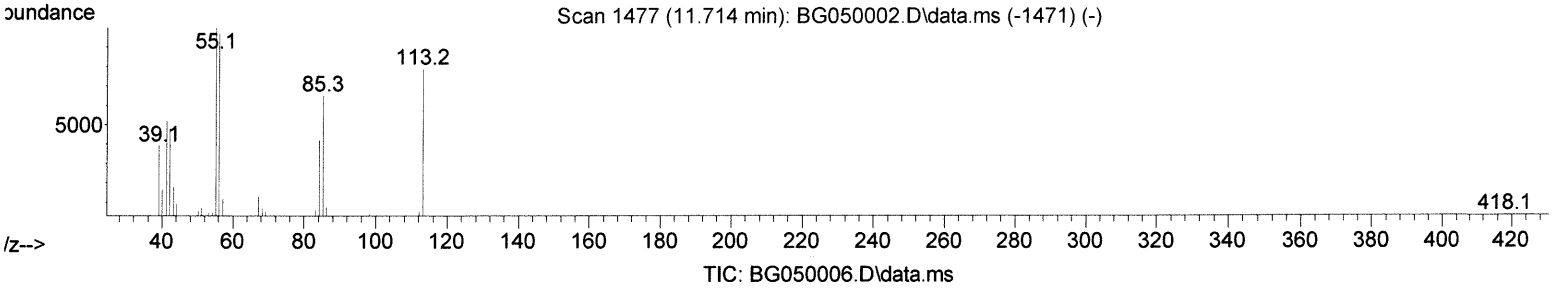
Quant Time: Aug 27 23:36:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM







TIC: BG050006.D\data.ms

(34) Caprolactam

11.714min (-0.017) 34.90 ng/ul m JU 8/31/21

response 20792

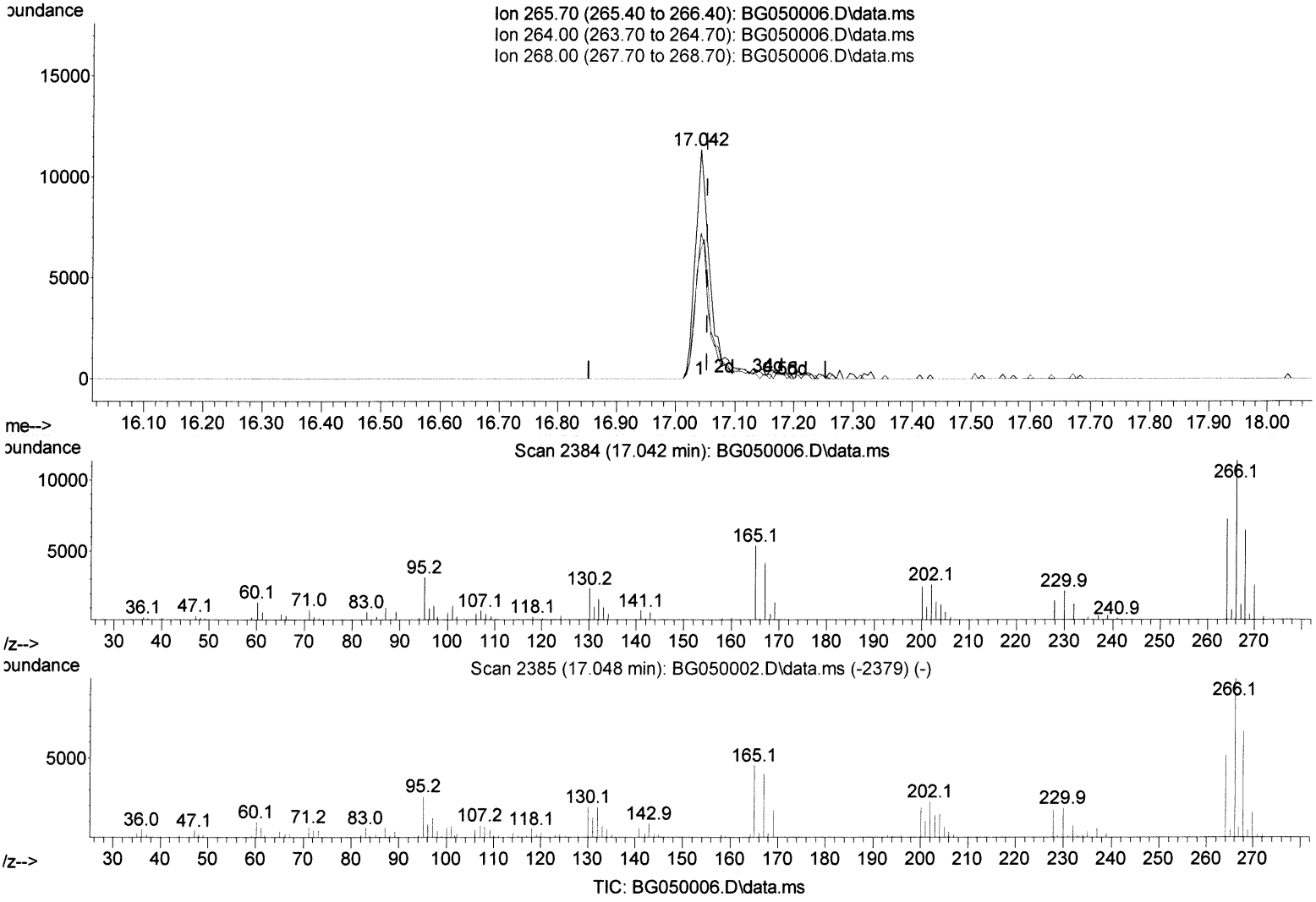
Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	169.03
56.00	134.20	126.97
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM



(71) Pentachlorophenol (C)

17.042min (-0.011) 20.50 ng/ul

response 18269

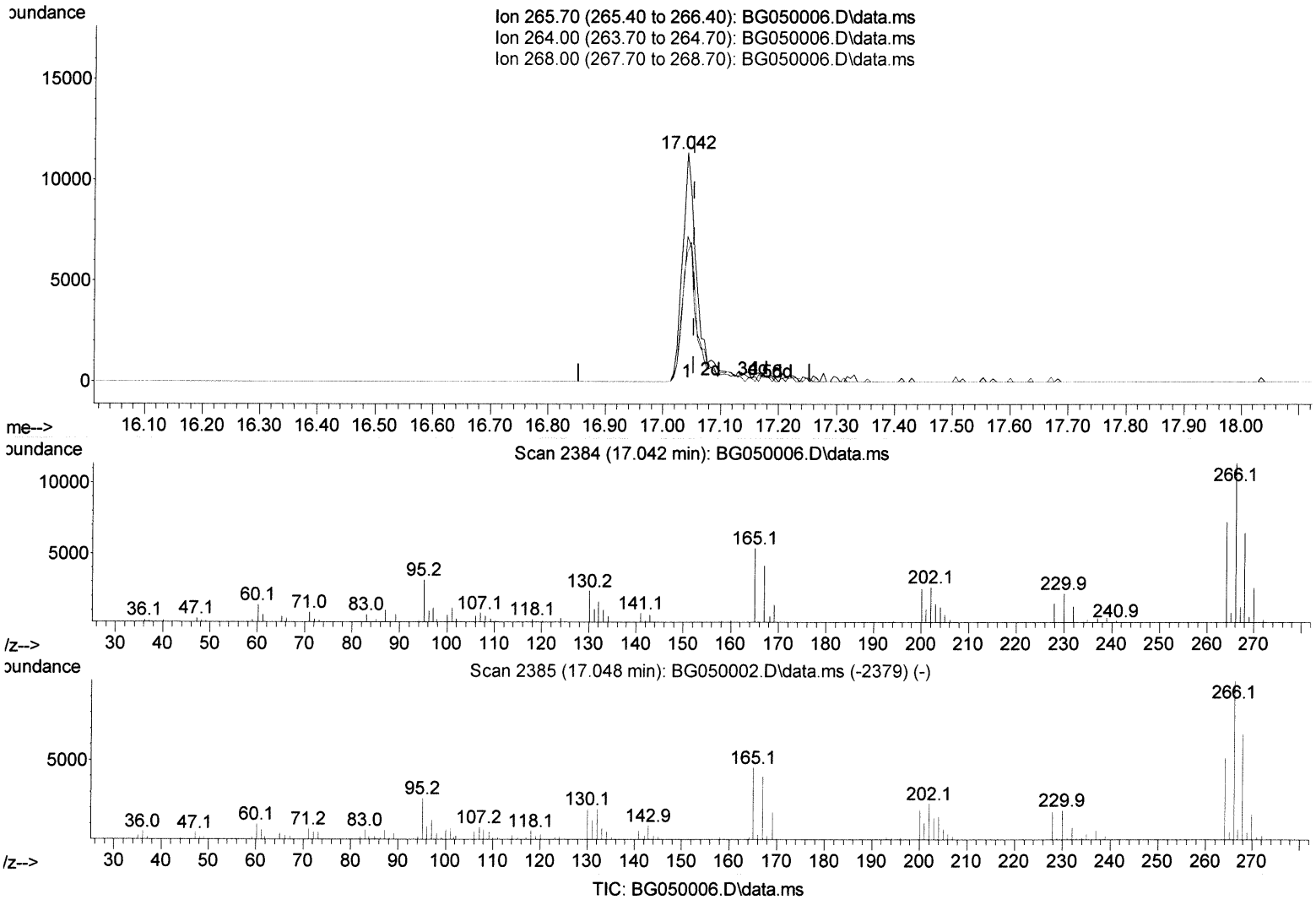
Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.60	63.44
268.00	65.70	56.76
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM



(71) Pentachlorophenol (C)

17.042min (-0.011) 22.39 ng/ul m

response 19956

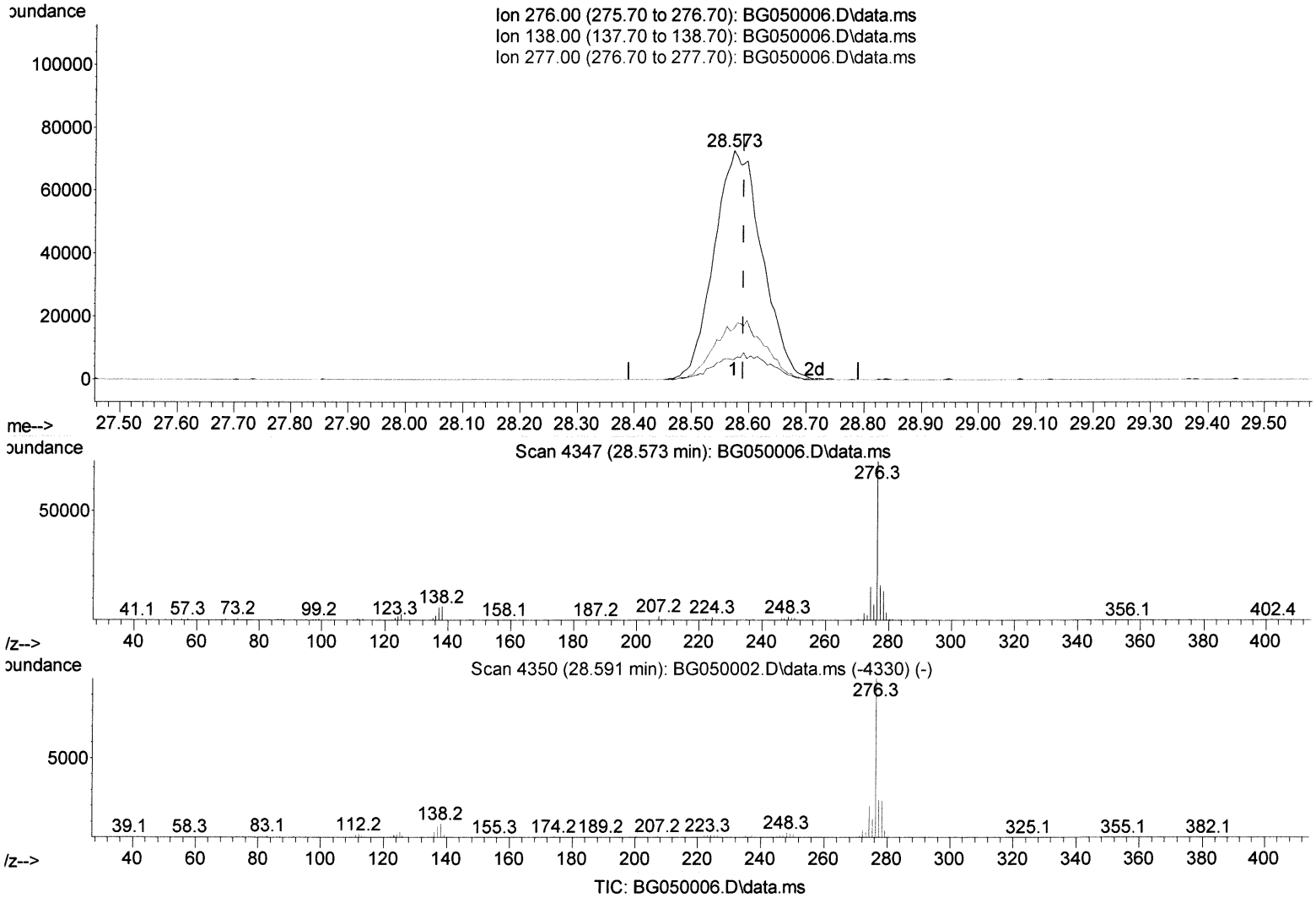
Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.60	63.44
268.00	65.70	56.76
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM



TIC: BG050006.D\data.ms

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

28.573min (-0.017) 20.31 ng/ul

response 240667

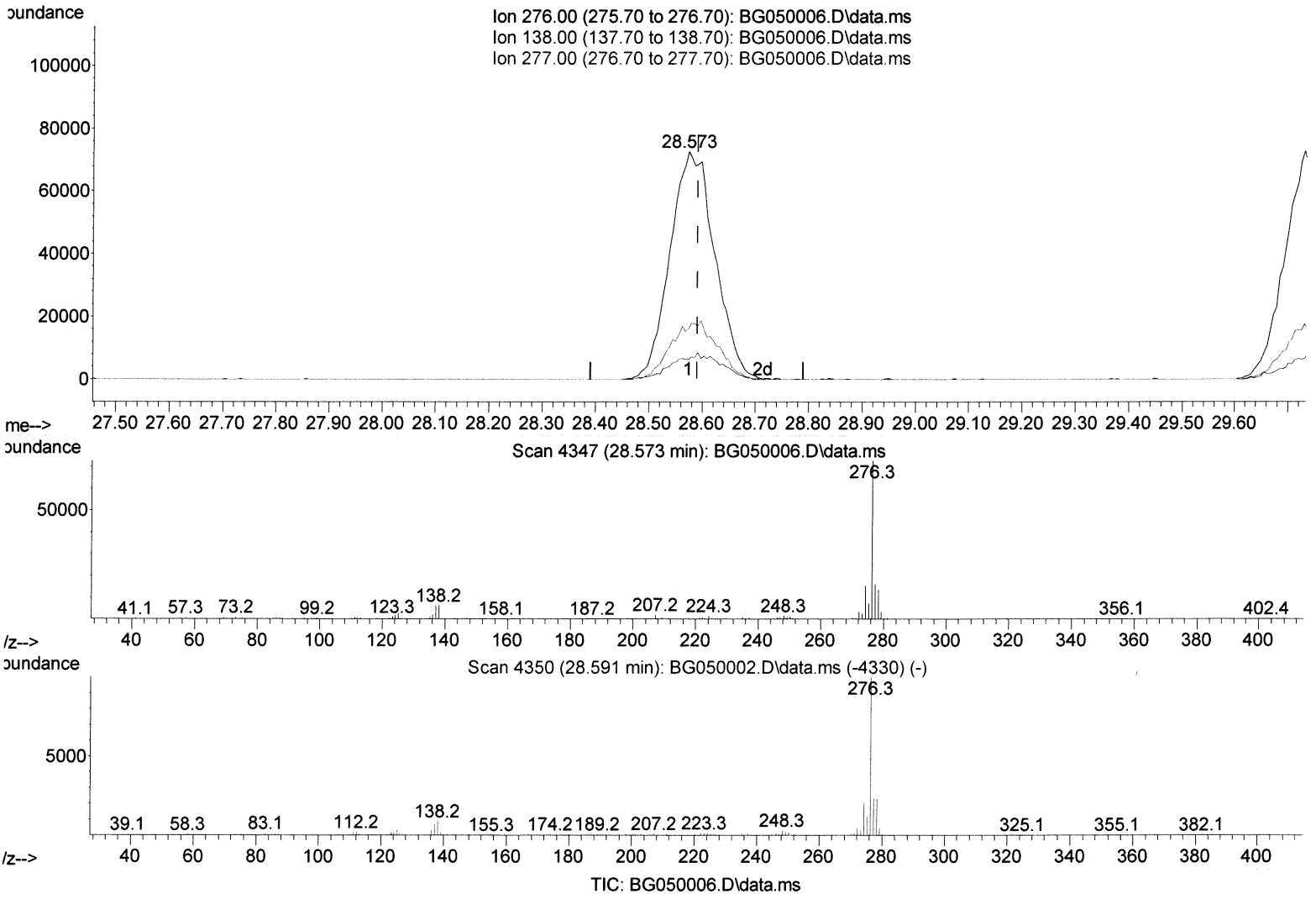
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	8.62#
277.00	23.20	22.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 :
SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM



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

28.573min (-0.017) 35.66 ng/ul m JU 8/31/21

response 422619

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	8.62#
277.00	23.20	22.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM

Quant Time: Aug 27 23:36:52 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	7.972	152	28104	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.786	136	112554	20.000	ng/ul	#-0.02
38) Acenaphthene-d10	14.628	164	75126	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.383	188	164787	20.000	ng/ul	-0.01
79) Chrysene-d12	21.653	240	157001	20.000	ng/ul	-0.01
88) Perylene-d12	24.878	264	161740	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.319	96	4129m	7.576	ng/ul	-0.02
4) Pyridine-d5	3.754	84	52395	31.917	ng/ul	-0.02
7) Phenol-d5	7.138	99	80398	33.689	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.290	67	44320	33.428	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.496	132	63241	35.416	ng/ul	-0.02
15) 4-Methylphenol-d8	8.689	113	60999	32.455	ng/ul	-0.01
21) Nitrobenzene-d5	9.141	128	29739	34.081	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.869	143	37106	35.712	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.416	165	64144	34.612	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.927	131	81641	32.365	ng/ul	-0.01
46) Dimethylphthalate-d6	14.028	166	195533	34.009	ng/ul	-0.01
49) Acenaphthylene-d8	14.322	160	238287	35.347	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.857	143	24096	28.967	ng/ul	0.00
60) Fluorene-d10	15.620	176	168687	34.604	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.756	200	34747	32.775	ng/ul	-0.01
73) Anthracene-d10	17.483	188	258757	34.968	ng/ul	-0.01
81) Pyrene-d10	19.774	212	300504	35.419	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.661	264	292107	34.042	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.361	88	8935m	13.448	ng/ul	
5) Pyridine	3.772	79	58287	32.852	ng/ul	98
6) Benzaldehyde	7.097	77	55144	40.154	ng/ul	98
8) Phenol	7.167	94	83815	34.771	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.379	93	57292	34.430	ng/ul	95
12) 2-Chlorophenol	7.531	128	65098	36.893	ng/ul#	87
13) 2-Methylphenol	8.418	108	63418	34.101	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.495	45	58758	33.673	ng/ul#	93
16) Acetophenone	8.794	105	102227	33.352	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.777	70	51319	33.344	ng/ul	95
18) 4-Methylphenol	8.753	108	67423	33.700	ng/ul	86
19) Hexachloroethane	9.053	117	28057	36.333	ng/ul	91
22) Nitrobenzene	9.182	77	84931	35.920	ng/ul	99
23) Isophorone	9.705	82	141916	33.687	ng/ul#	94
25) 2-Nitrophenol	9.899	139	37515	37.136	ng/ul	93
26) 2,4-Dimethylphenol	9.957	107	74800	33.318	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.187	93	76763	35.286	ng/ul	94
29) 2,4-Dichlorophenol	10.445	162	63518	37.342	ng/ul	97
30) Naphthalene	10.839	128	196635	34.953	ng/ul	98
32) 4-Chloroaniline	10.950	127	75869	31.231	ng/ul	92
33) Hexachlorobutadiene	11.121	225	50435	36.652	ng/ul	87
34) Caprolactam	11.714	113	20792m	34.896	ng/ul	
35) 4-Chloro-3-methylphenol	12.090	107	73104	35.960	ng/ul	98

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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050006.D
Acq On : 27 Aug 2021 20:23
Operator : CG/JU
Sample : PB138646BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 23:36:52 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 : SLCS646

Manual Integrations APPROVED
mohammad
8/30/2021 10:32:50 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.448	142	147654	35.308	ng/ul	96
37) 1-Methylnaphthalene	12.671	142	141271	33.467	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.818	216	82104	37.209	ng/ul#	96
40) Hexachlorocyclopentadiene	12.789	237	13745	13.918	ng/ul	86
41) 2,4,6-Trichlorophenol	13.065	196	50804	36.129	ng/ul	89
42) 2,4,5-Trichlorophenol	13.147	196	51599	35.012	ng/ul	96
43) 1,1'-Biphenyl	13.453	154	189353	36.077	ng/ul	99
44) 2-Chloronaphthalene	13.506	162	148033	35.114	ng/ul	98
45) 2-Nitroaniline	13.711	65	52684	36.807	ng/ul	94
47) Dimethylphthalate	14.075	163	196324	34.503	ng/ul	97
48) 2,6-Dinitrotoluene	14.205	165	42470	36.152	ng/ul#	94
50) Acenaphthylene	14.352	152	218711	35.497	ng/ul	99
51) 3-Nitroaniline	14.540	138	39739	35.056	ng/ul	99
52) Acenaphthene	14.692	153	157379	35.212	ng/ul	96
53) 2,4-Dinitrophenol	14.763	184	16608	27.680	ng/ul	94
55) 4-Nitrophenol	14.868	109	33436	31.703	ng/ul	94
56) Dibenzofuran	15.027	168	218051	35.230	ng/ul	99
57) 2,4-Dinitrotoluene	14.998	165	59806	35.392	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.262	232	42621	34.899	ng/ul#	97
59) Diethylphthalate	15.438	149	201009	34.532	ng/ul	98
61) Fluorene	15.679	166	186641	35.742	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.667	204	97578	35.317	ng/ul	93
63) 4-Nitroaniline	15.703	138	42300	37.393	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.773	198	30707	31.956	ng/ul	95
67) N-Nitrosodiphenylamine	15.885	169	157315	36.261	ng/ul	98
68) 4-Bromophenyl-phenylether	16.560	248	68266	37.449	ng/ul	95
69) Hexachlorobenzene	16.690	284	76992	36.576	ng/ul	97
70) Atrazine	16.831	200	69683	36.154	ng/ul	97
71) Pentachlorophenol	17.042	266	19956m	22.388	ng/ul	JU 8/31/21
72) Phenanthrene	17.424	178	307708	37.456	ng/ul	98
74) Anthracene	17.518	178	295633	35.512	ng/ul	93
75) 1,2,3,4-Tetrachloroben...	13.429	216	86342	39.053	ng/uL	85
76) Pentachlorobenzene	14.951	250	86942	37.113	ng/uL	92
77) Carbazole	17.788	167	269428	36.371	ng/ul	99
78) Di-n-butylphthalate	18.334	149	335355	35.397	ng/ul	98
80) Fluoranthene	19.439	202	377645	36.071	ng/ul	98
82) Pyrene	19.797	202	370567	35.719	ng/ul	98
83) Butylbenzylphthalate	20.672	149	149425	36.498	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.548	252	137697	36.999	ng/ul#	93
85) Benzo(a)anthracene	21.636	228	357048	36.498	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.524	149	208822	37.141	ng/ul	100
87) Chrysene	21.700	228	340406	36.810	ng/ul	96
89) Di-n-octyl phthalate	22.728	149	351515	36.636	ng/ul	100
90) Benzo(b)fluoranthene	23.856	252	372876	36.041	ng/ul	98
91) Benzo(k)fluoranthene	23.921	252	356136	36.214	ng/ul	99
93) Benzo(a)pyrene	24.726	252	326379	36.325	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.573	276	422619m	35.657	ng/ul	JU 8/31/21
95) Dibenzo(a,h)anthracene	28.626	278	350583	35.334	ng/ul	98
96) Benzo(g,h,i)perylene	29.731	276	346979	34.822	ng/ul	95

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