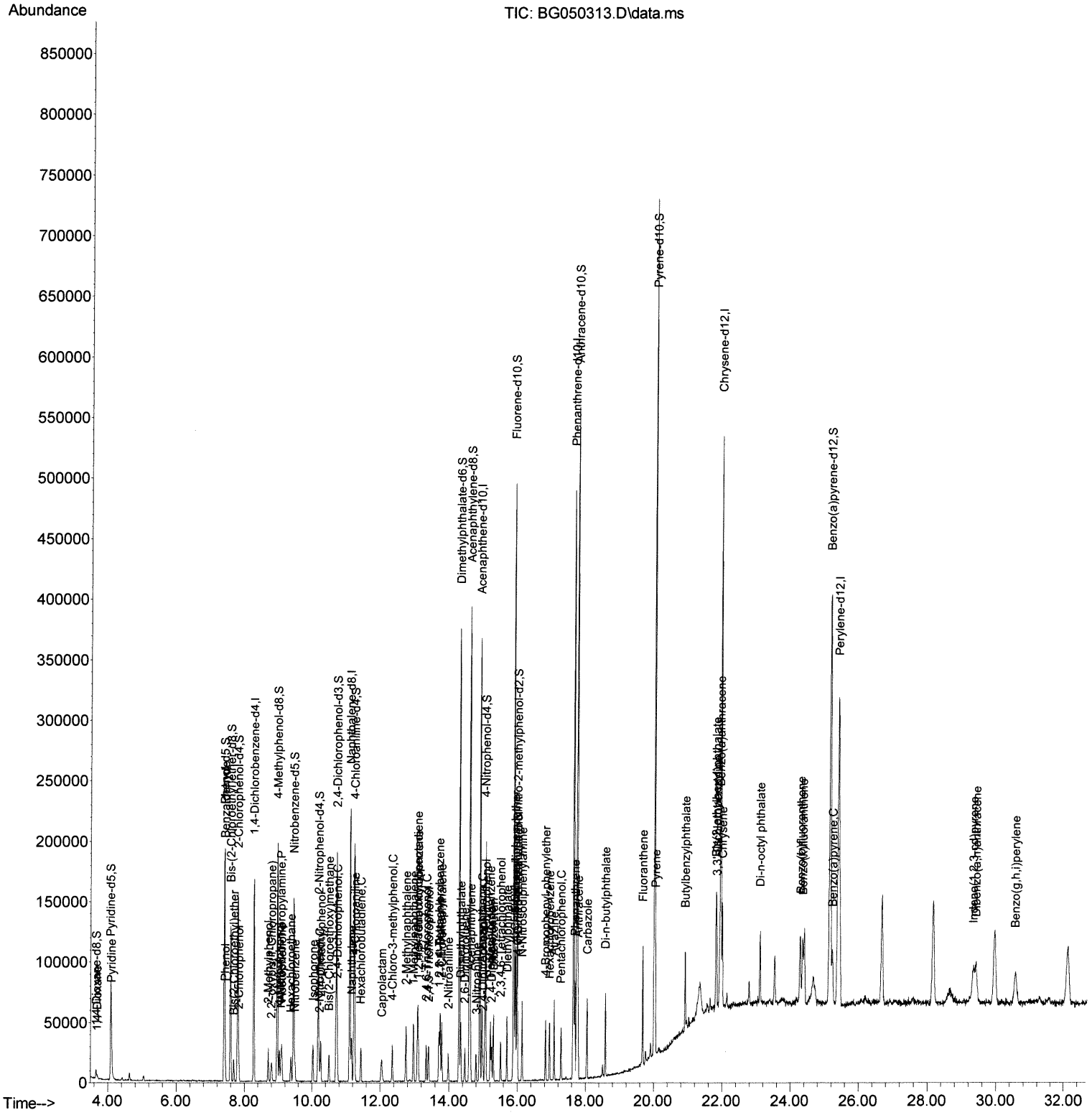
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
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Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
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QLast Update : Wed Sep 29 10:57:11 2021
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ClientSampleId :
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Manual Integrations APPROVED
mohammad
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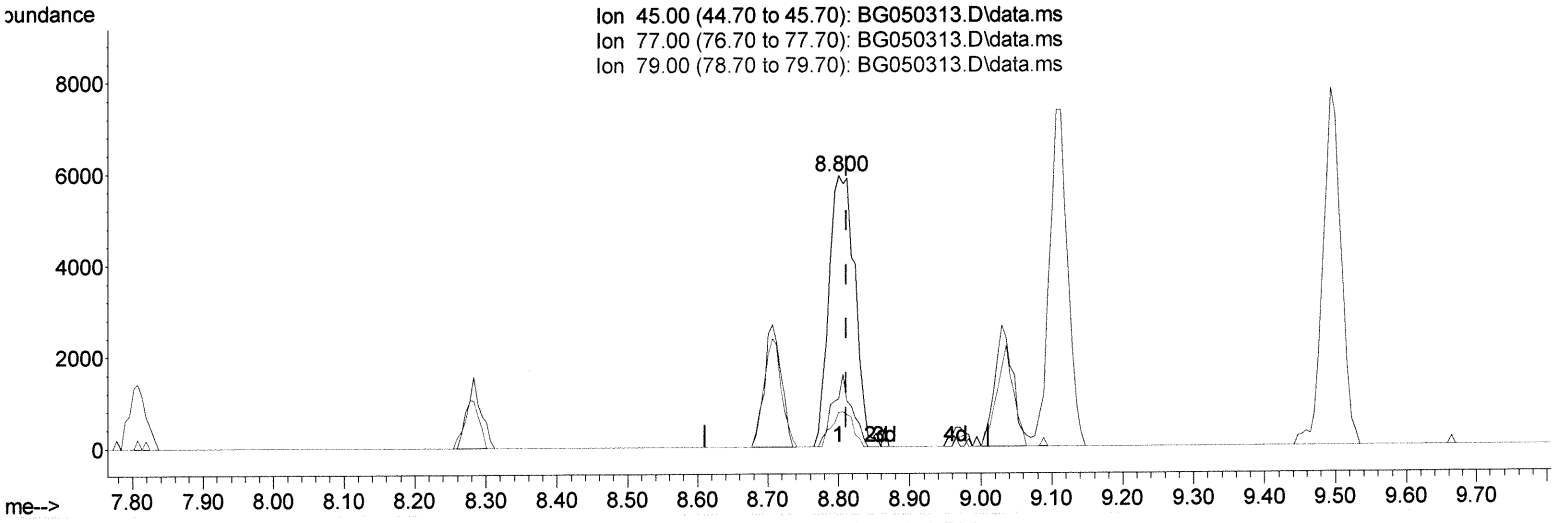

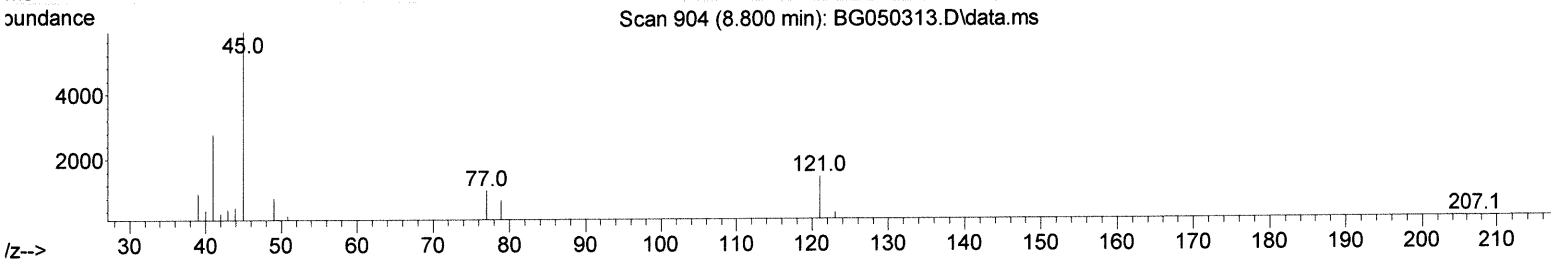

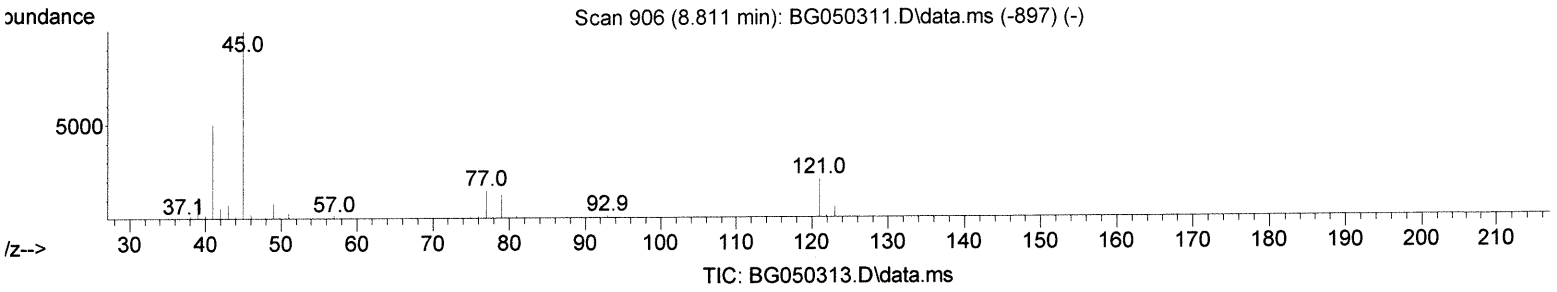

TIC: BG050313.D\data.ms

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

8.800min (-0.011) 2.54 ng/ul

response 8914

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	21.10	17.67
79.00	13.70	12.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
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Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
mohammad
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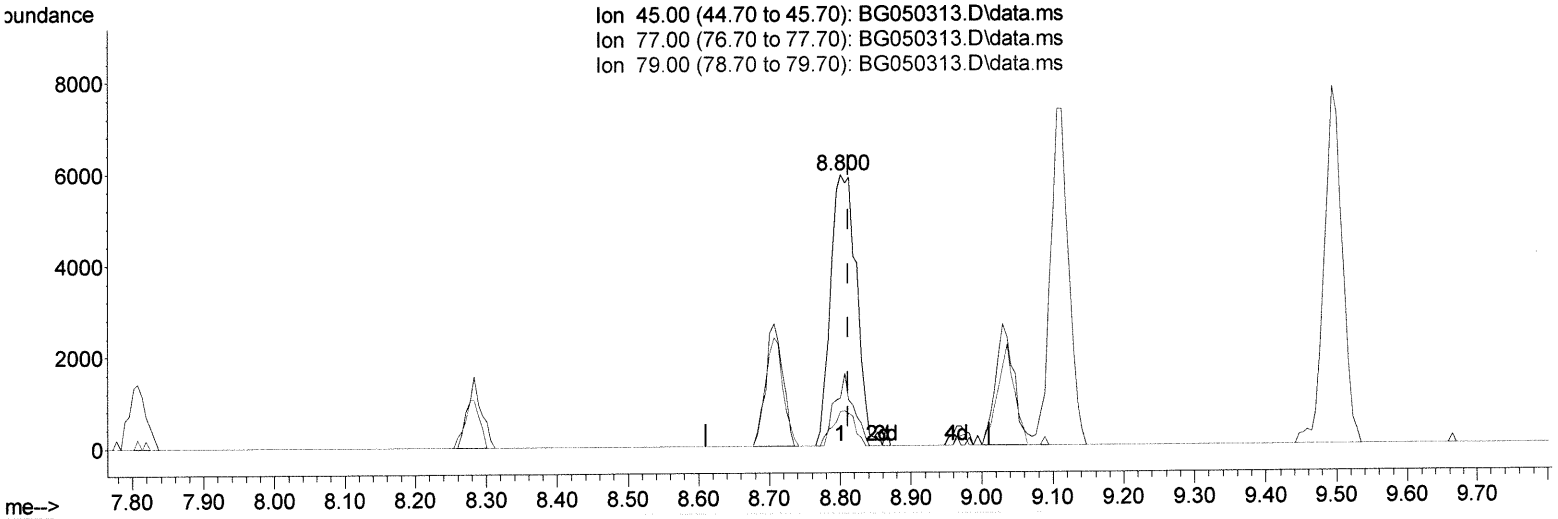

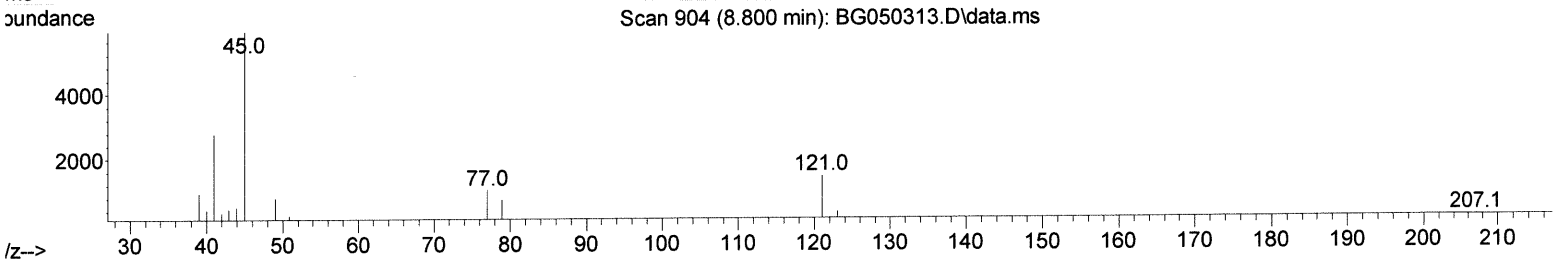

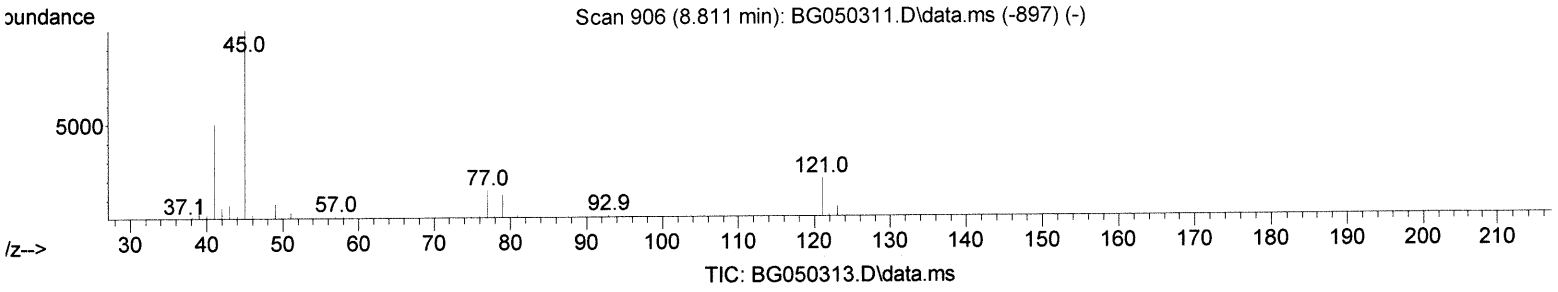

TIC: BG050313.D\data.ms

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

8.800min (-0.011) 4.31 ng/ul m JU 10/04/21

response 15114

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	21.10	17.67
79.00	13.70	12.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
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QLast Update : Wed Sep 29 10:57:11 2021
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Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
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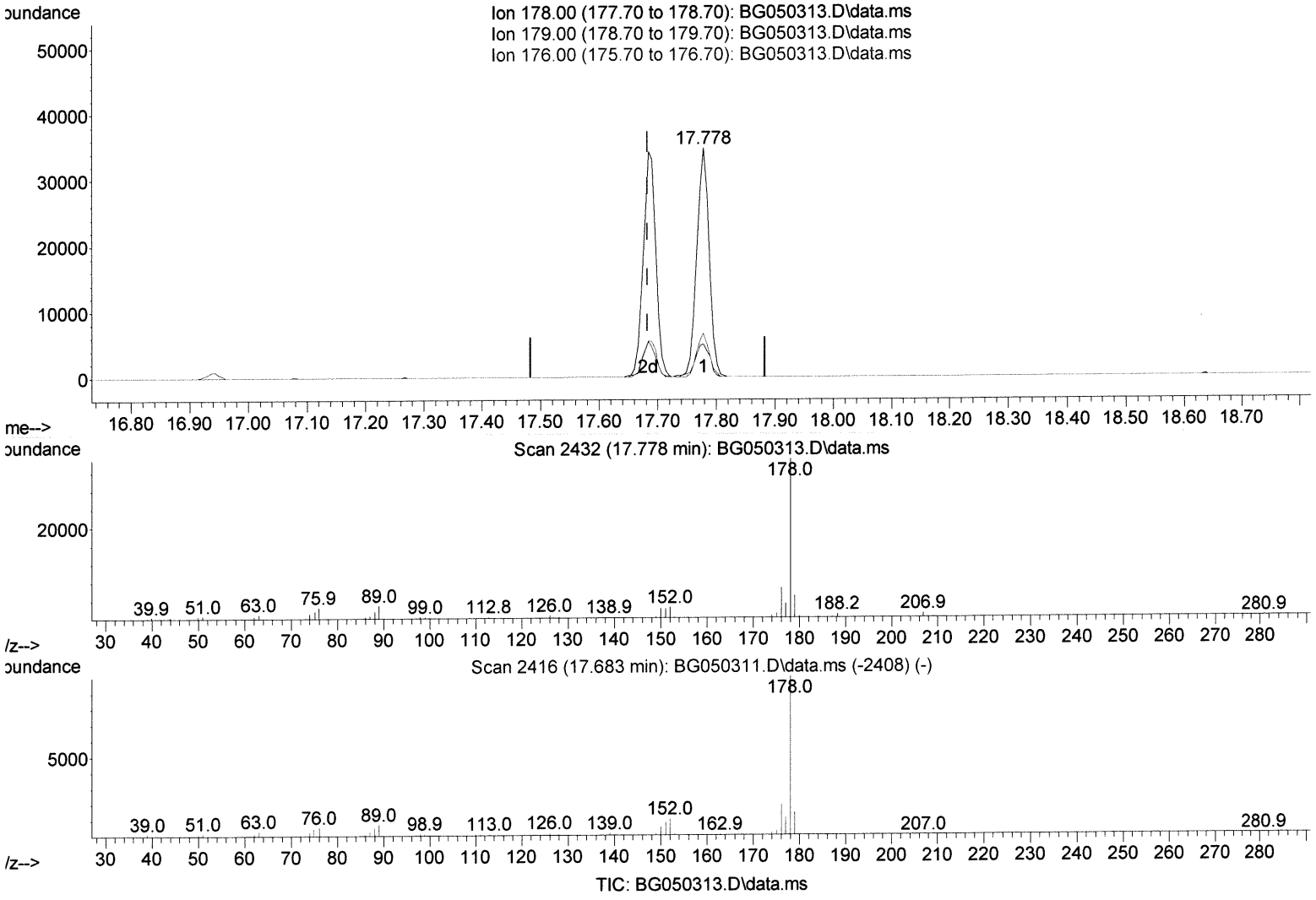

(72) Phenanthrene

17.778min (+ 0.095) 3.48 ng/ul

response 50882

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.60	14.37
176.00	20.20	18.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
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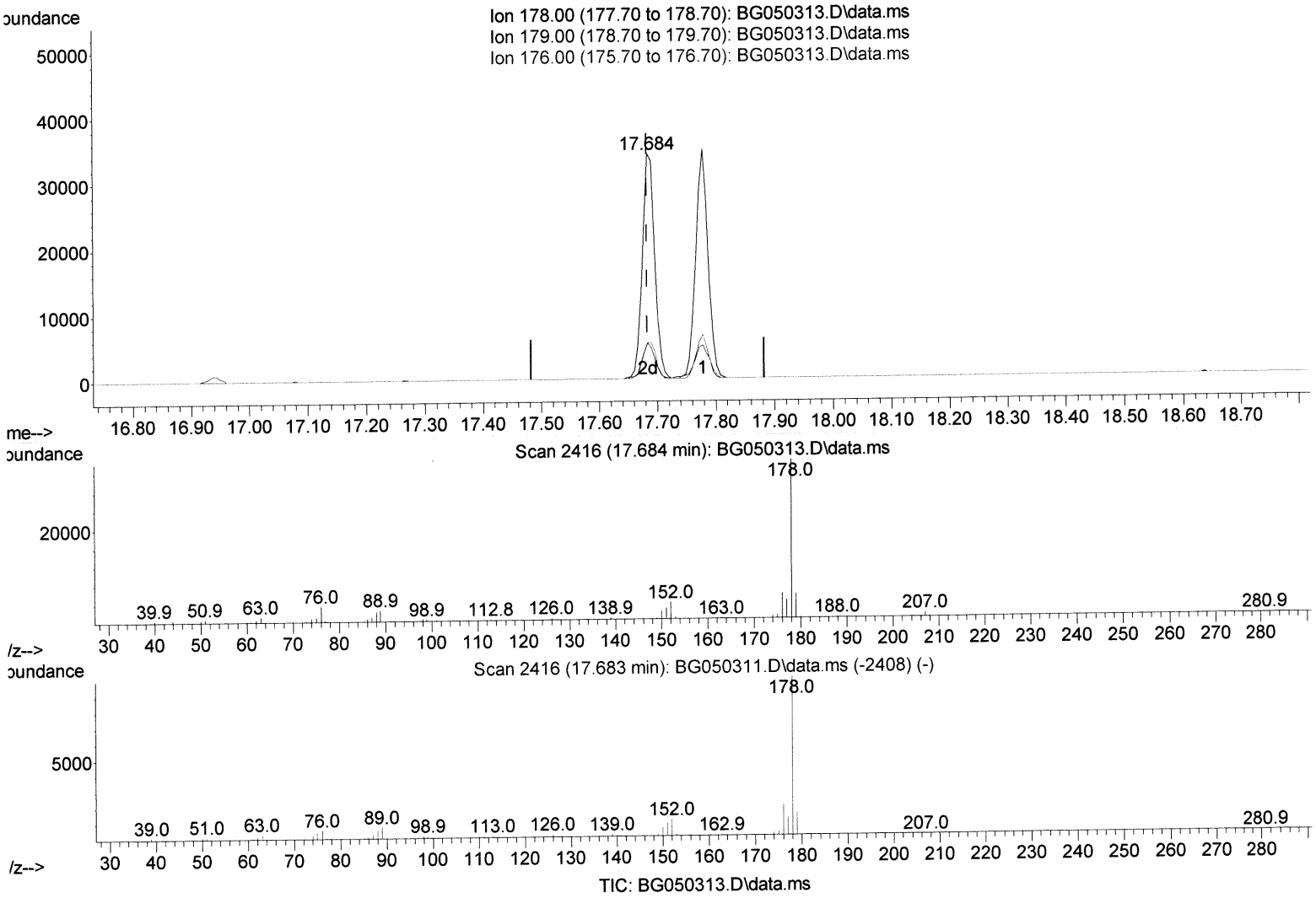
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM



(72) Phenanthrene

17.684min (+ 0.001) 3.50 ng/ul m

response 51154

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.60	15.66
176.00	20.20	15.93#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
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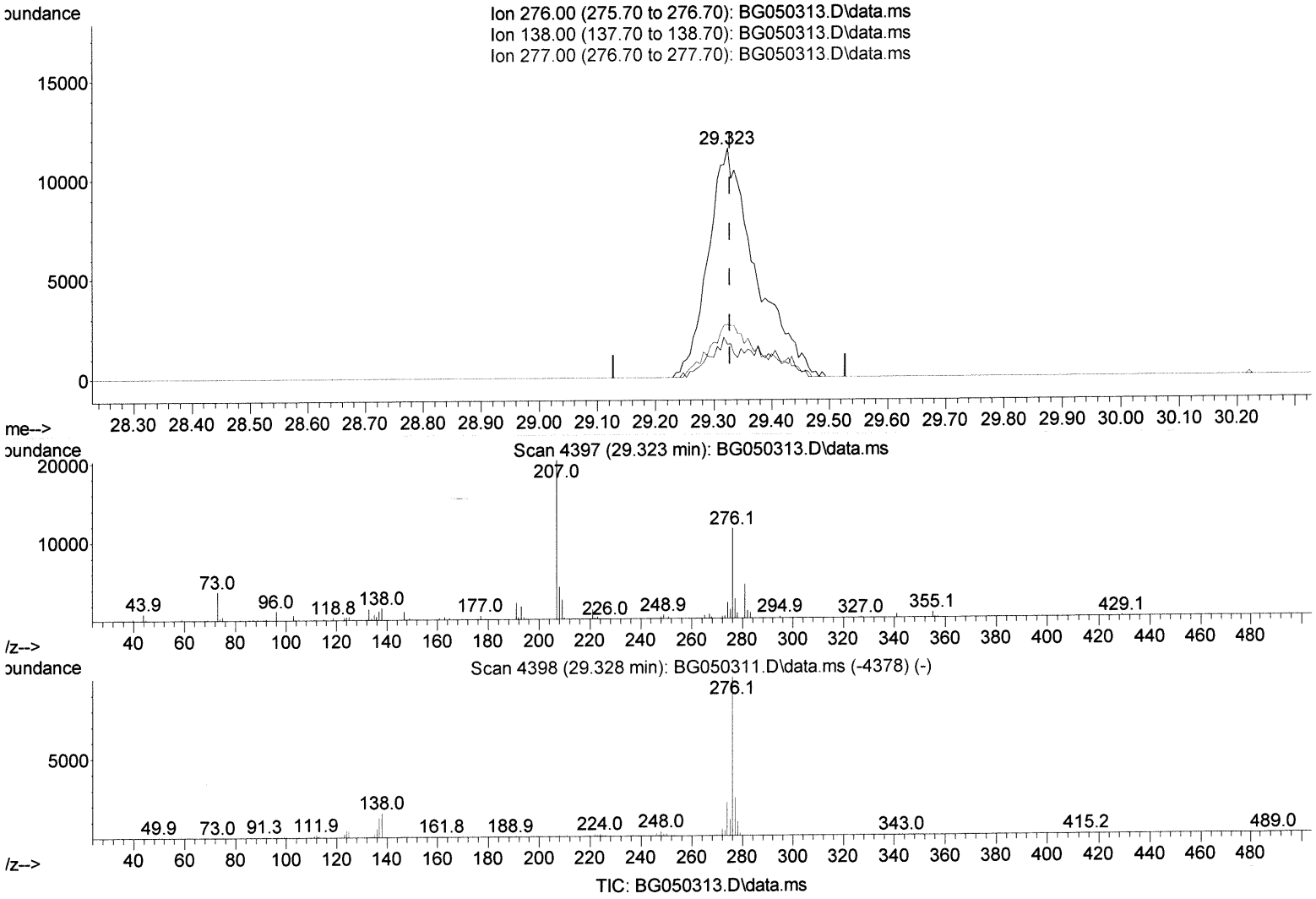
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM



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

29.323min (-0.005) 1.64 ng/ul

response 31481

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	14.23#
277.00	23.20	22.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
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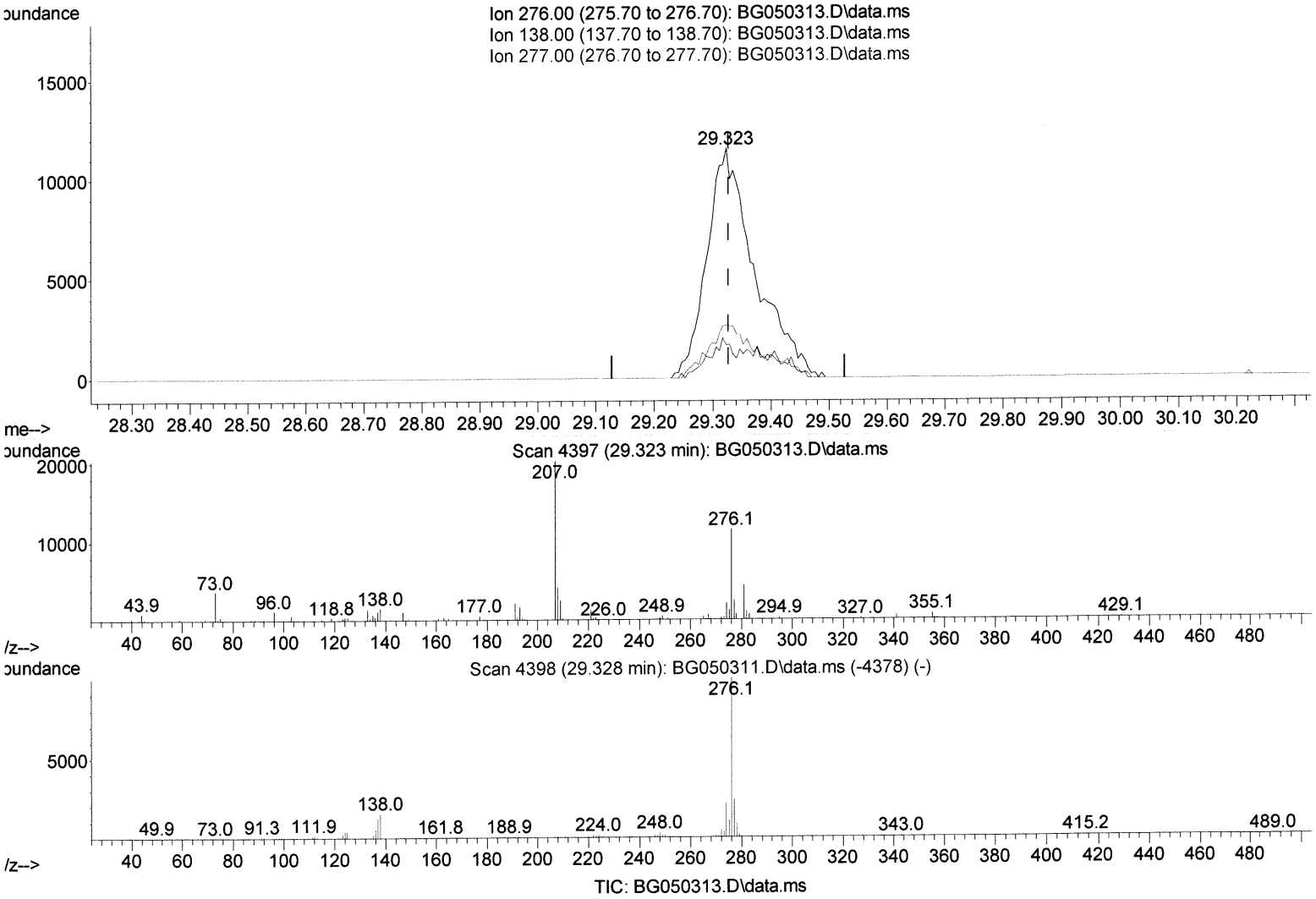


(94) Indeno(1,2,3-cd)pyrene

29.323min (-0.005) 3.42 ng/ul m JJP 10/4/21

response 65523

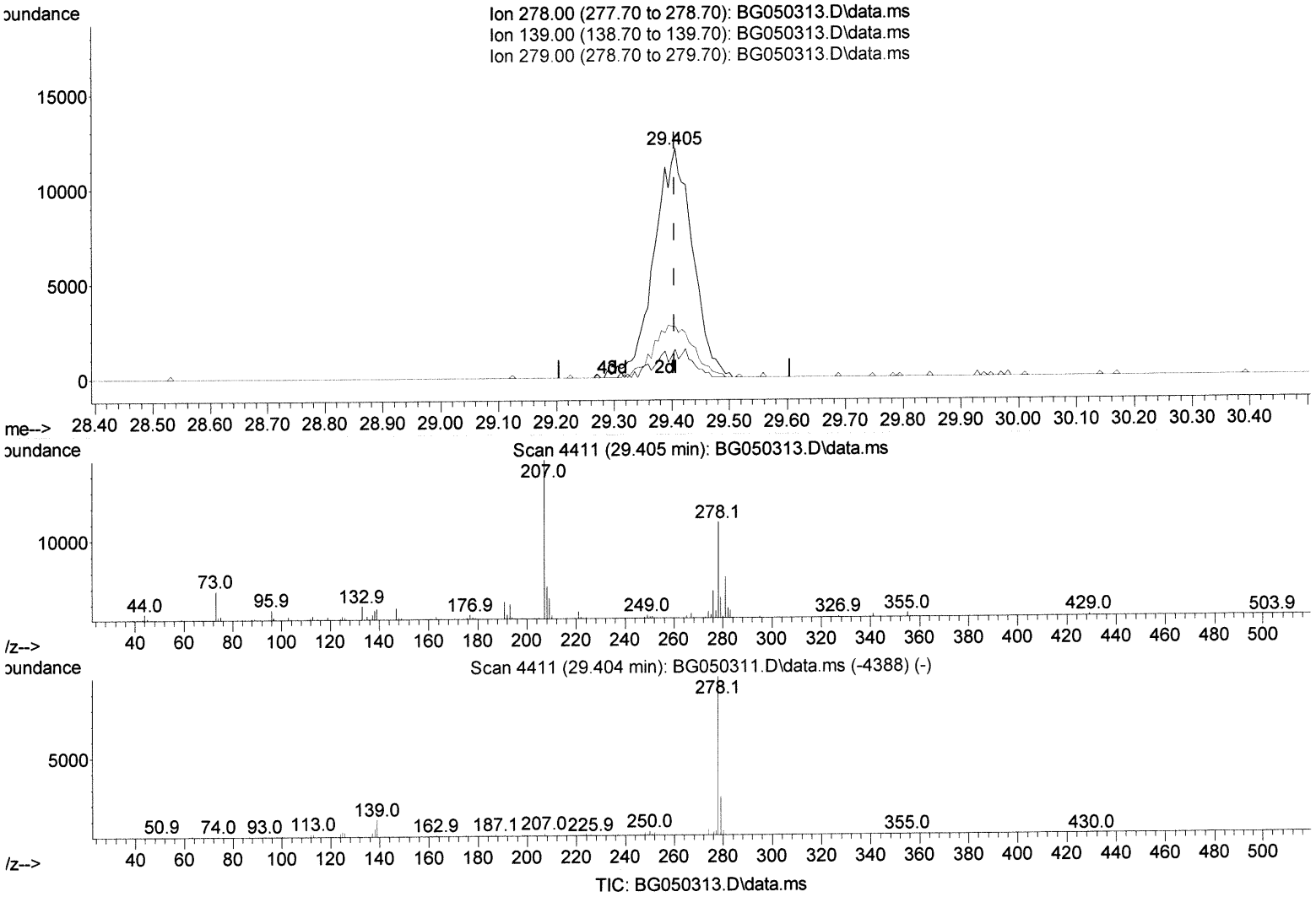
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	14.23#
277.00	23.20	22.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM



(95) Dibenzo(a,h)anthracene

29.405min (+ 0.001) 1.95 ng/ul

response 32226

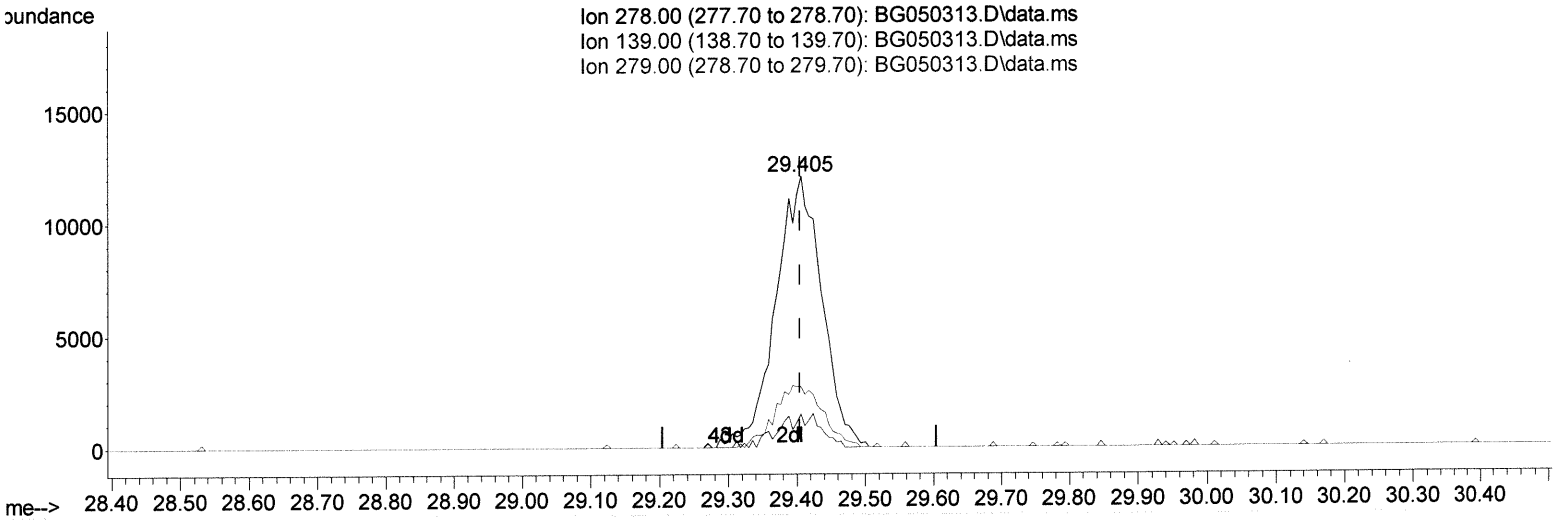
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	12.24#
279.00	23.70	22.32
0.00	0.00	0.00

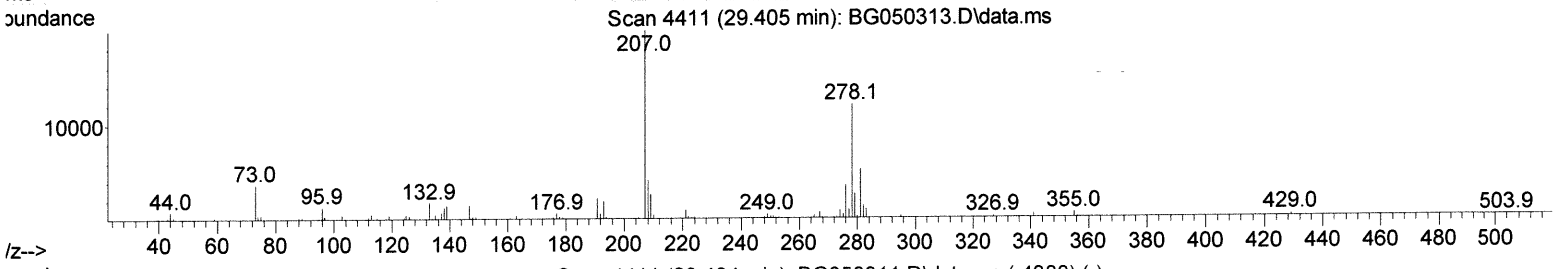
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

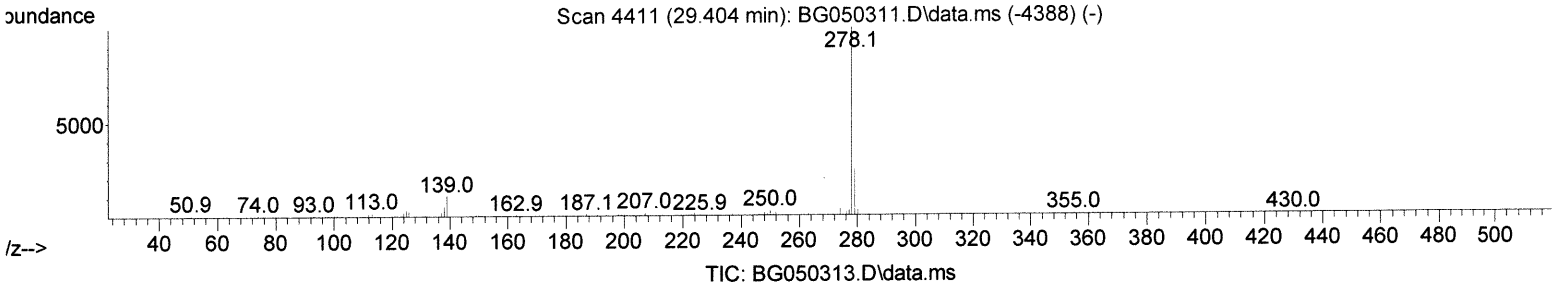
Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM







TIC: BG050313.D\data.ms

(95) Dibenzo(a,h)anthracene

29.405min (+ 0.001) 3.39 ng/ul m JTC 10/29/21

response 56017

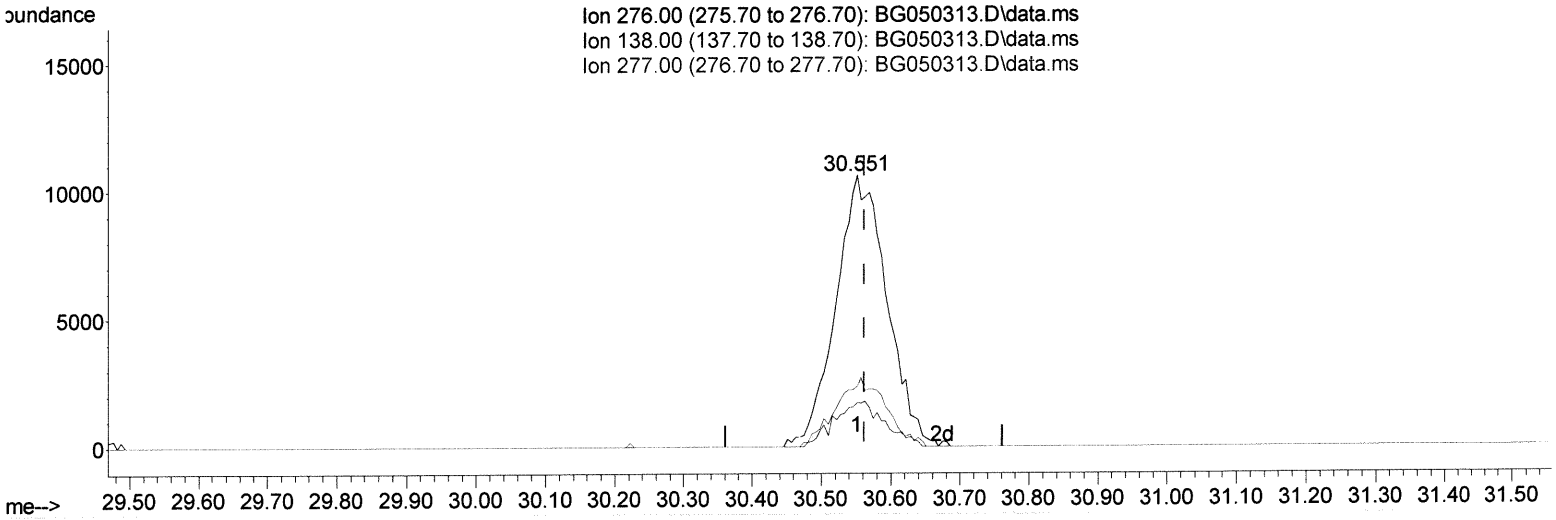
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	12.24#
279.00	23.70	22.32
0.00	0.00	0.00

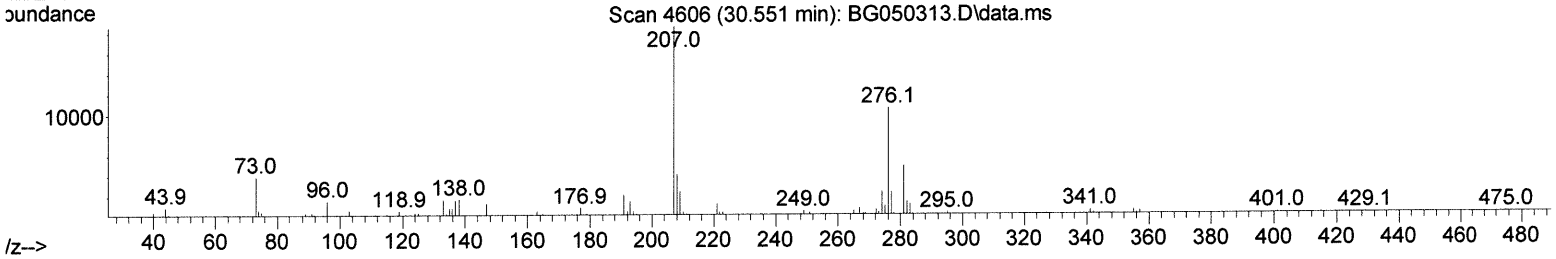
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

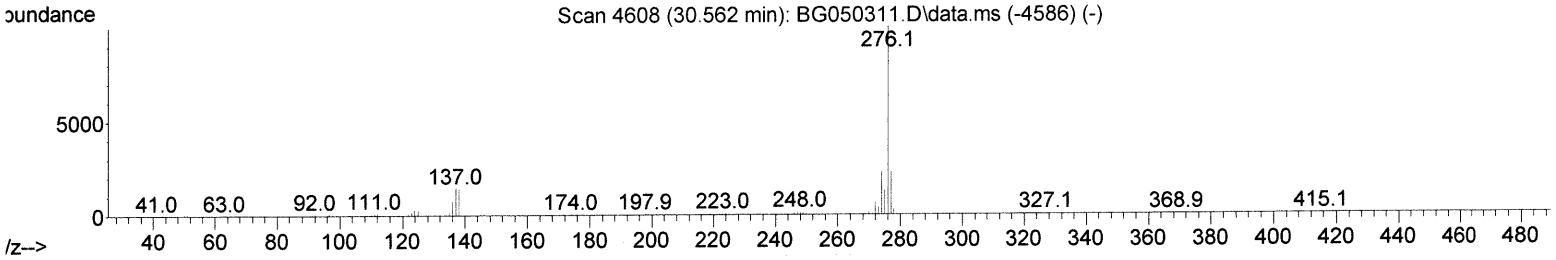
Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM







TIC: BG050313.D\data.ms

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

30.551min (-0.011) 1.55 ng/ul

response 25481

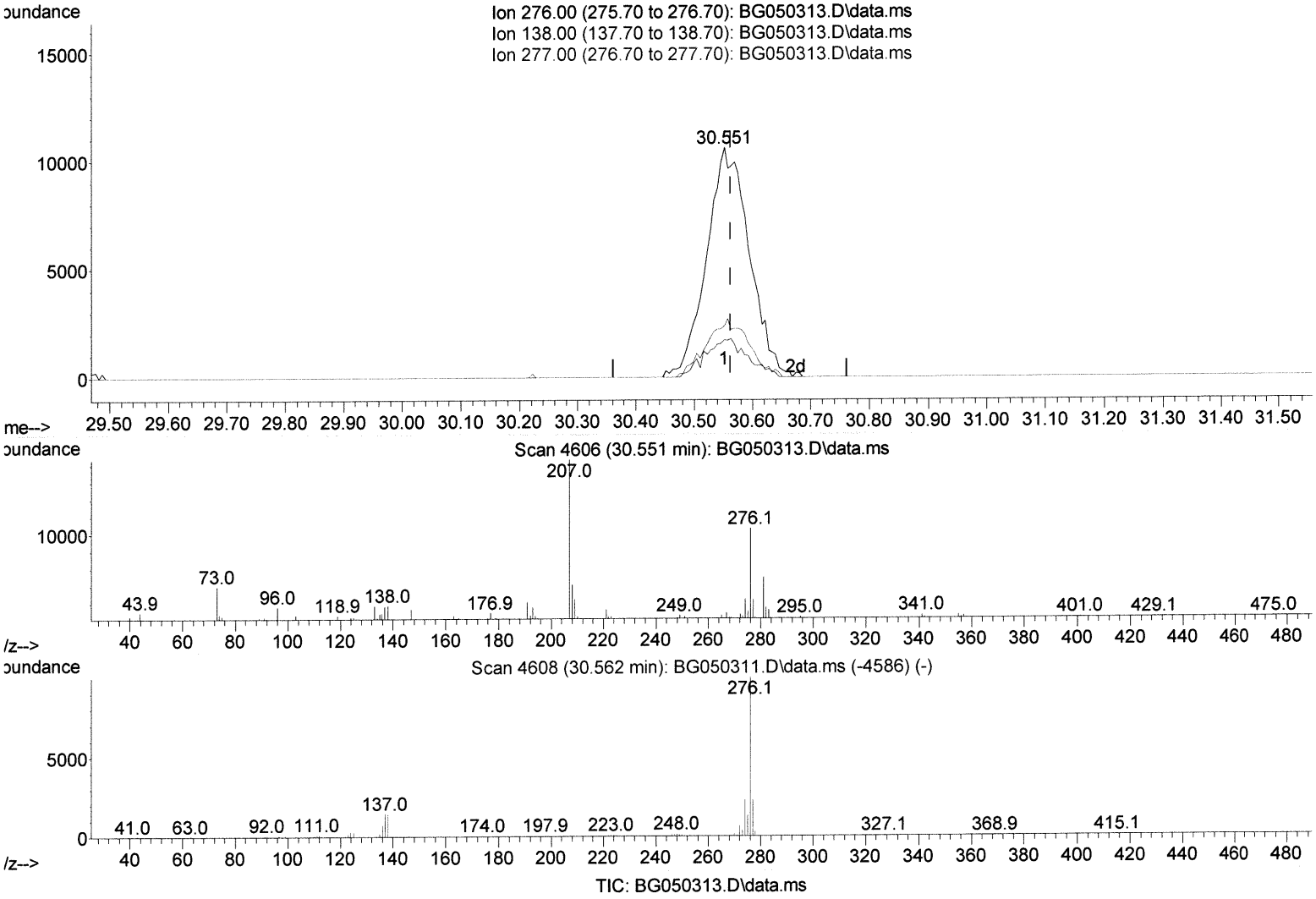
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	16.20#
277.00	21.70	22.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM



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

30.551min (-0.011) 3.28 ng/ul m JU 10/04/21

response 53875

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	16.20#
277.00	21.70	22.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050313.D
Acq On : 29 Sep 2021 14:28
Operator : CG/JU
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.283	152	44378	20.000	ng/ul	0.00
20) Naphthalene-d8	11.109	136	184839	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.899	164	130147	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.643	188	294885	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.949	240	290998	20.000	ng/ul	# 0.00
88) Perylene-d12	25.392	264	295128	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.659	96	5262	5.734	ng/uL	0.00
4) Pyridine-d5	4.082	84	54628	19.751	ng/ul	0.00
7) Phenol-d5	7.414	99	98187	27.866	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.596	67	64550	31.563	ng/ul	0.00
11) 2-Chlorophenol-d4	7.807	132	71255	27.823	ng/ul	0.00
15) 4-Methylphenol-d8	8.971	113	76024	27.389	ng/ul	0.00
21) Nitrobenzene-d5	9.452	128	35099	30.738	ng/ul	0.00
24) 2-Nitrophenol-d4	10.181	143	37526	29.754	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.716	165	71038	24.146	ng/ul	0.00
31) 4-Chloroaniline-d4	11.239	131	100322	25.957	ng/ul	0.00
46) Dimethylphthalate-d6	14.294	166	231579	26.181	ng/ul	0.00
49) Acenaphthylene-d8	14.599	160	271308	24.401	ng/ul	0.00
54) 4-Nitrophenol-d4	15.063	143	41547	27.839	ng/ul	0.00
60) Fluorene-d10	15.886	176	204634	25.268	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.986	200	37642	30.130	ng/ul	0.00
73) Anthracene-d10	17.743	188	325442	25.911	ng/ul	0.00
81) Pyrene-d10	20.016	212	377894	23.985	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.152	264	402990	26.782	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.689	88	1380	1.192	ng/uL#	80
5) Pyridine	4.106	79	12156	4.238	ng/ul#	75
6) Benzaldehyde	7.419	77	9719	4.346	ng/ul	94
8) Phenol	7.437	94	13225	3.705	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.690	93	10086	3.802	ng/ul#	80
12) 2-Chlorophenol	7.842	128	9529	3.531	ng/ul#	89
13) 2-Methylphenol	8.706	108	9164	3.291	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.800	45	15114m	4.307	ng/ul	94
16) Acetophenone	9.112	105	15033	3.545	ng/ul#	93
17) N-Nitroso-di-n-propyla...	9.082	70	9007	3.737	ng/ul	96
18) 4-Methylphenol	9.035	108	9685	3.414	ng/ul#	73
19) Hexachloroethane	9.376	117	4036	3.485	ng/ul	97
22) Nitrobenzene	9.493	77	13616	4.156	ng/ul#	90
23) Isophorone	10.022	82	24519	3.548	ng/ul#	94
25) 2-Nitrophenol	10.210	139	5366	4.074	ng/ul#	77
26) 2,4-Dimethylphenol	10.251	107	11651	3.308	ng/ul#	79
27) Bis(2-Chloroethoxy)met...	10.498	93	13498	3.578	ng/ul	97
29) 2,4-Dichlorophenol	10.739	162	8941	3.154	ng/ul	91
30) Naphthalene	11.162	128	29912	3.155	ng/ul	100
32) 4-Chloroaniline	11.256	127	13450	3.485	ng/ul#	84
33) Hexachlorobutadiene	11.432	225	6741	2.866	ng/ul#	86
34) Caprolactam	12.043	113	4931	5.516	ng/ul#	72
35) 4-Chloro-3-methylphenol	12.349	107	10570	3.438	ng/ul	96

JU 10/04/21

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Data File : BG050313.D
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Operator : CG/JU
Sample : M3263-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-08

Manual Integrations APPROVED
mohammad
9/30/2021 11:30:11 AM

Quant Time: Sep 29 15:03:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 29 10:57:11 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.749	142	21575	3.286	ng/ul	99
37) 1-Methylnaphthalene	12.966	142	21761	3.283	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.101	216	12673	3.093	ng/ul#	86
40) Hexachlorocyclopentadiene	13.083	237	15462	5.470	ng/ul	89
41) 2,4,6-Trichlorophenol	13.336	196	7151	2.960	ng/ul	93
42) 2,4,5-Trichlorophenol	13.401	196	9359	3.600	ng/ul	94
43) 1,1'-Biphenyl	13.736	154	29795	3.375	ng/ul#	92
44) 2-Chloronaphthalene	13.783	162	23654	3.386	ng/ul	91
45) 2-Nitroaniline	13.976	65	6959	4.184	ng/ul	91
47) Dimethylphthalate	14.341	163	29812	3.346	ng/ul	99
48) 2,6-Dinitrotoluene	14.464	165	5158	3.657	ng/ul#	96
50) Acenaphthylene	14.629	152	37220	3.313	ng/ul	97
51) 3-Nitroaniline	14.799	138	5887	3.733	ng/ul	96
52) Acenaphthene	14.964	153	25901	3.522	ng/ul	95
53) 2,4-Dinitrophenol	14.993	184	4839	5.419	ng/ul#	69
55) 4-Nitrophenol	15.075	109	5461	3.561	ng/ul#	50
56) Dibenzofuran	15.298	168	37027	3.364	ng/ul	91
57) 2,4-Dinitrotoluene	15.246	165	7709	3.857	ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.510	232	6889	2.946	ng/ul#	97
59) Diethylphthalate	15.698	149	30006	3.276	ng/ul	99
61) Fluorene	15.945	166	28141	3.264	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.927	204	16076	3.312	ng/ul	90
63) 4-Nitroaniline	15.945	138	5964	3.674	ng/ul#	66
66) 4,6-Dinitro-2-methylph...	16.003	198	4858	3.871	ng/ul#	62
67) N-Nitrosodiphenylamine	16.139	169	24911	3.341	ng/ul	95
68) 4-Bromophenyl-phenylether	16.826	248	9785	3.200	ng/ul#	83
69) Hexachlorobenzene	16.944	284	10893	3.215	ng/ul	92
70) Atrazine	17.079	200	11742	3.569	ng/ul	91
71) Pentachlorophenol	17.278	266	8783	4.063	ng/ul	90
72) Phenanthrene	17.684	178	51154m	3.495	ng/ul	96
74) Anthracene	17.778	178	50882	3.491	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.706	216	13368	3.189	ng/uL	86
76) Pentachlorobenzene	15.210	250	13275	3.284	ng/uL#	86
77) Carbazole	18.042	167	44291	3.435	ng/ul	96
78) Di-n-butylphthalate	18.583	149	49978	3.361	ng/ul	99
80) Fluoranthene	19.682	202	62144	3.111	ng/ul#	90
82) Pyrene	20.046	202	62542	3.184	ng/ul#	93
83) Butylbenzylphthalate	20.915	149	20166	3.048	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.832	252	20428	3.278	ng/ul#	87
85) Benzo(a)anthracene	21.926	228	60927	3.477	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.814	149	30994	3.282	ng/ul#	95
87) Chrysene	21.996	228	58650	3.452	ng/ul	97
89) Di-n-octyl phthalate	23.107	149	51091	3.532	ng/ul	100
90) Benzo(b)fluoranthene	24.288	252	57880	3.350	ng/ul#	97
91) Benzo(k)fluoranthene	24.358	252	58179	3.587	ng/ul#	91
93) Benzo(a)pyrene	25.222	252	52640	3.208	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.323	276	65523m	3.417	ng/ul	
95) Dibenzo(a,h)anthracene	29.405	278	56017m	3.390	ng/ul	
96) Benzo(g,h,i)perylene	30.551	276	53875m	3.284	ng/ul	

JU 10/04/21

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