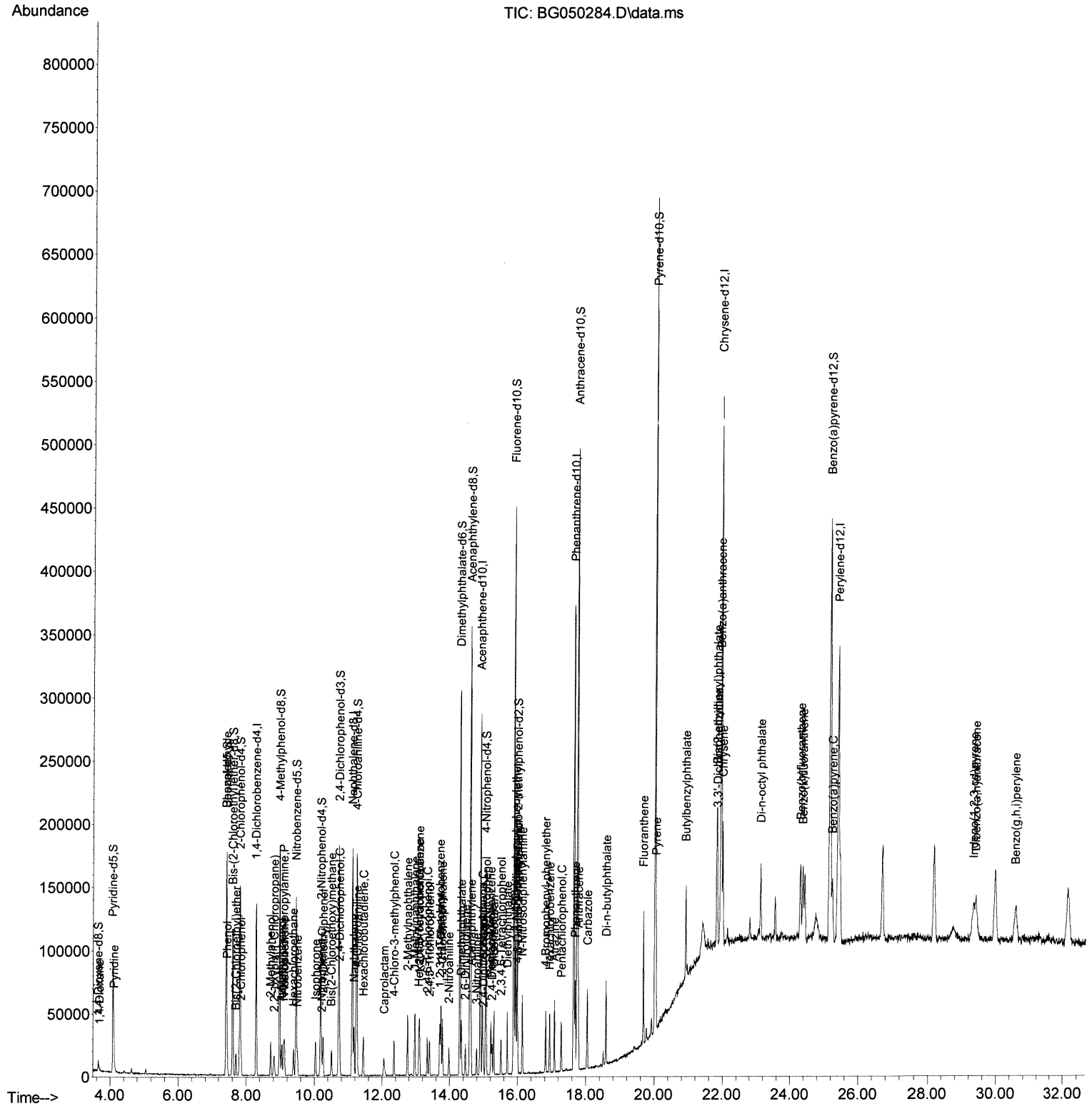
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM

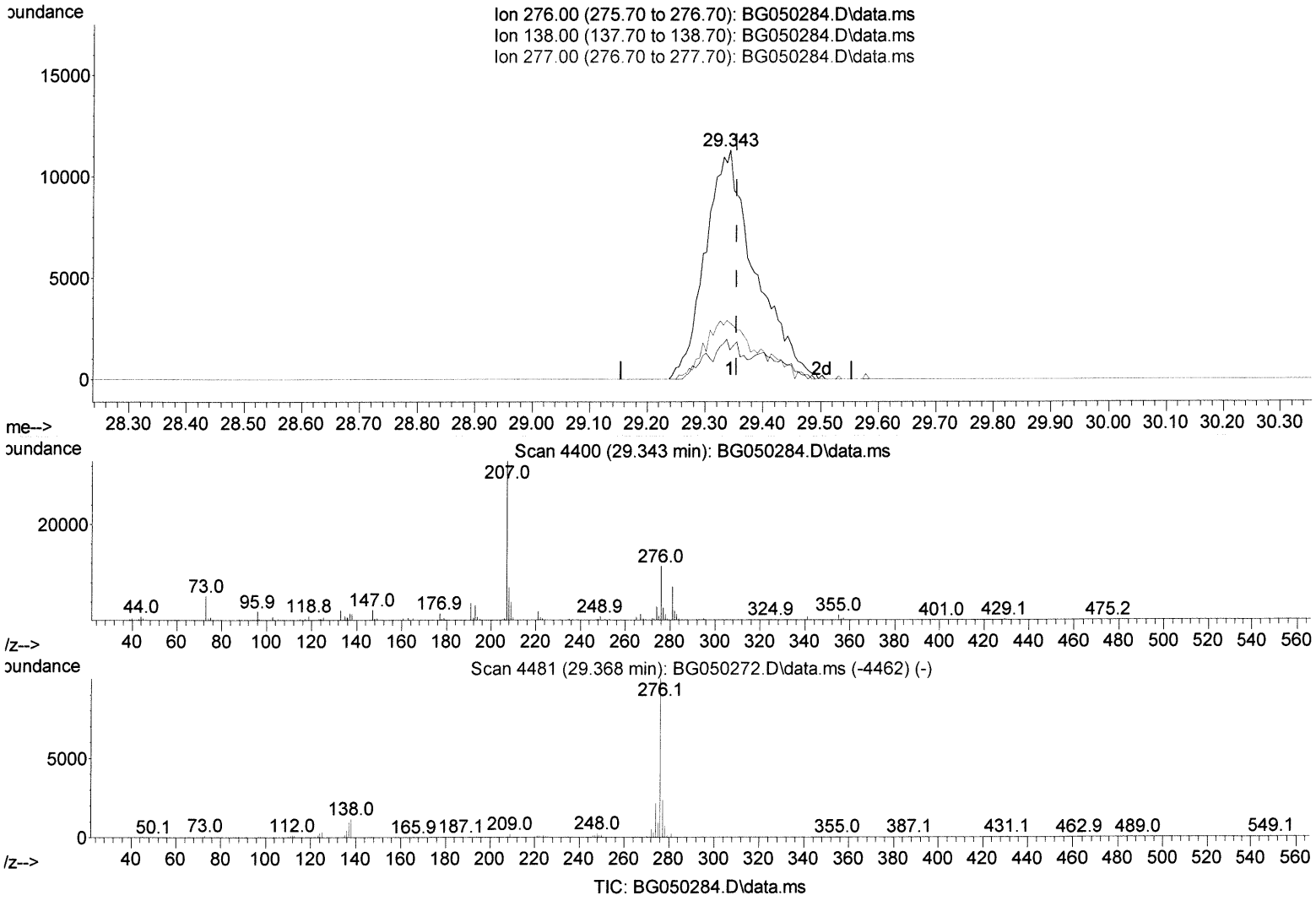


Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM



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

29.343min (-0.011) 2.38 ng/ul

response 41331

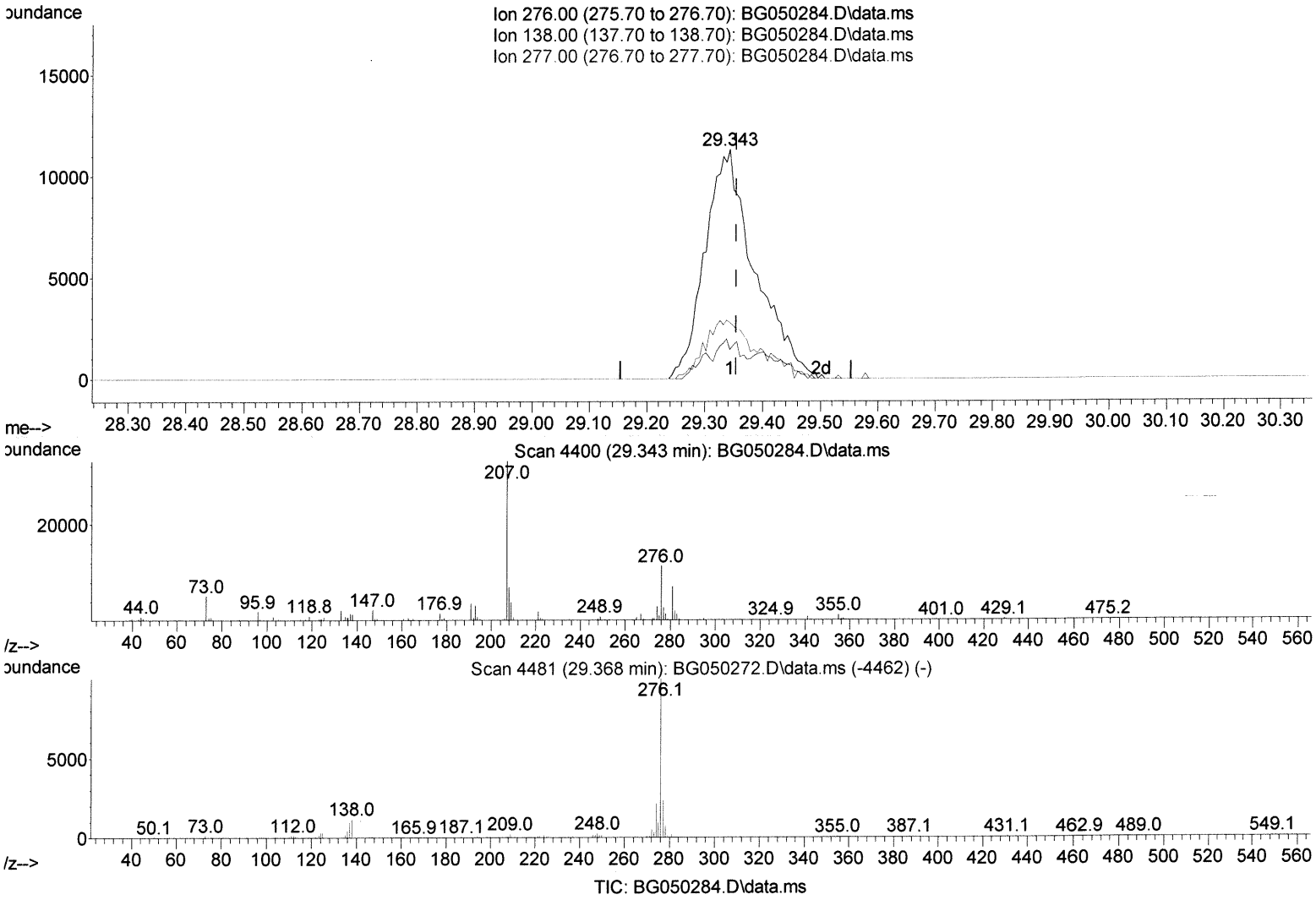
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	12.65#
277.00	23.20	24.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM



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

29.343min (-0.011) 3.88 ng/ul m

response 67245

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	12.65#
277.00	23.20	24.37
0.00	0.00	0.00

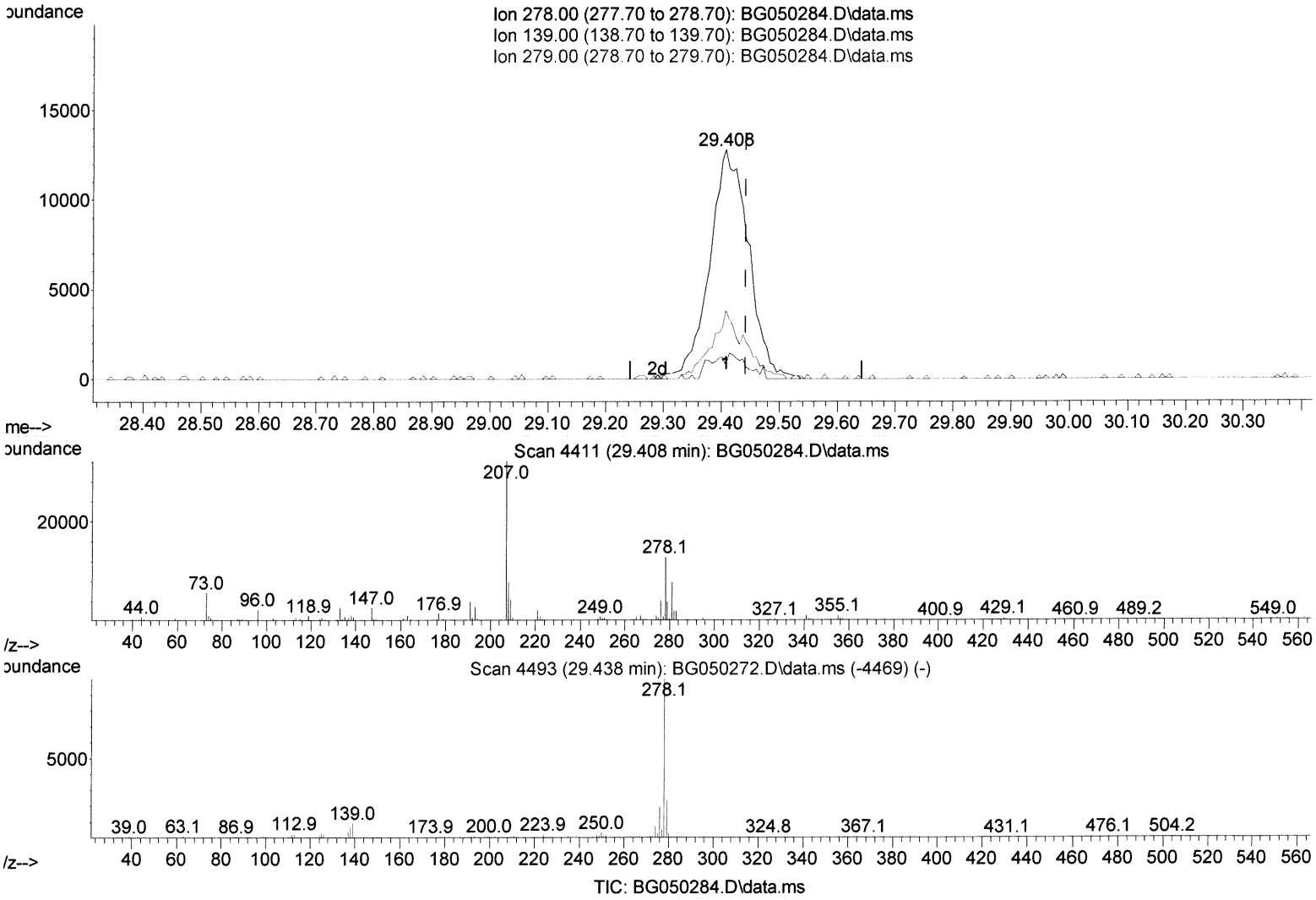
JU 10/04/21

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM



(95) Dibenzo(a,h)anthracene

29.408min (-0.035) 2.27 ng/ul

response 33928

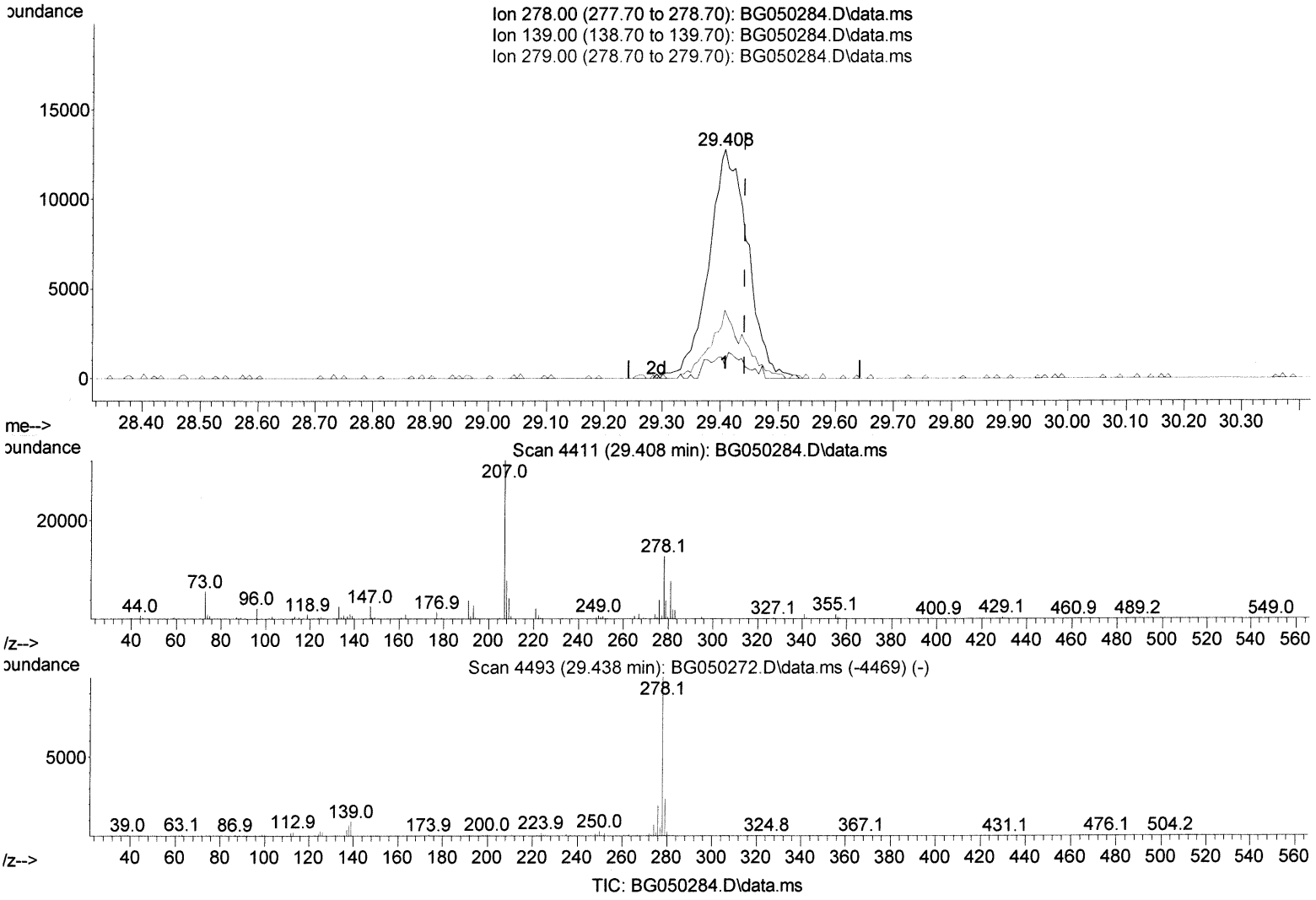
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	6.07
279.00	23.70	29.78#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM



(95) Dibenzo(a,h)anthracene

29.408min (-0.035) 3.98 ng/ul m

response 59473

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	6.07
279.00	23.70	29.78#
0.00	0.00	0.00

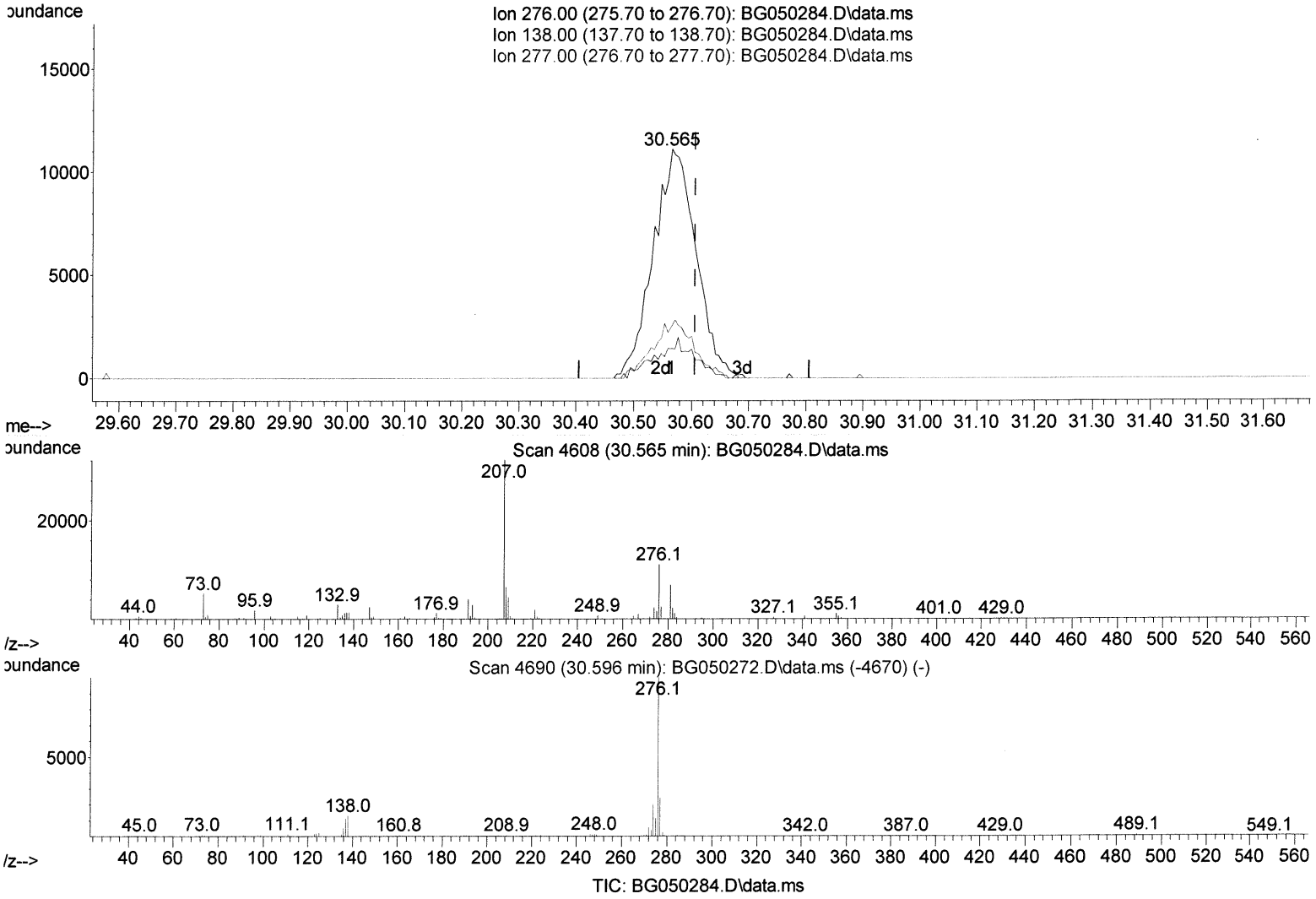
JU 10/04/21

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM



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

30.565min (-0.041) 2.52 ng/ul

response 37368

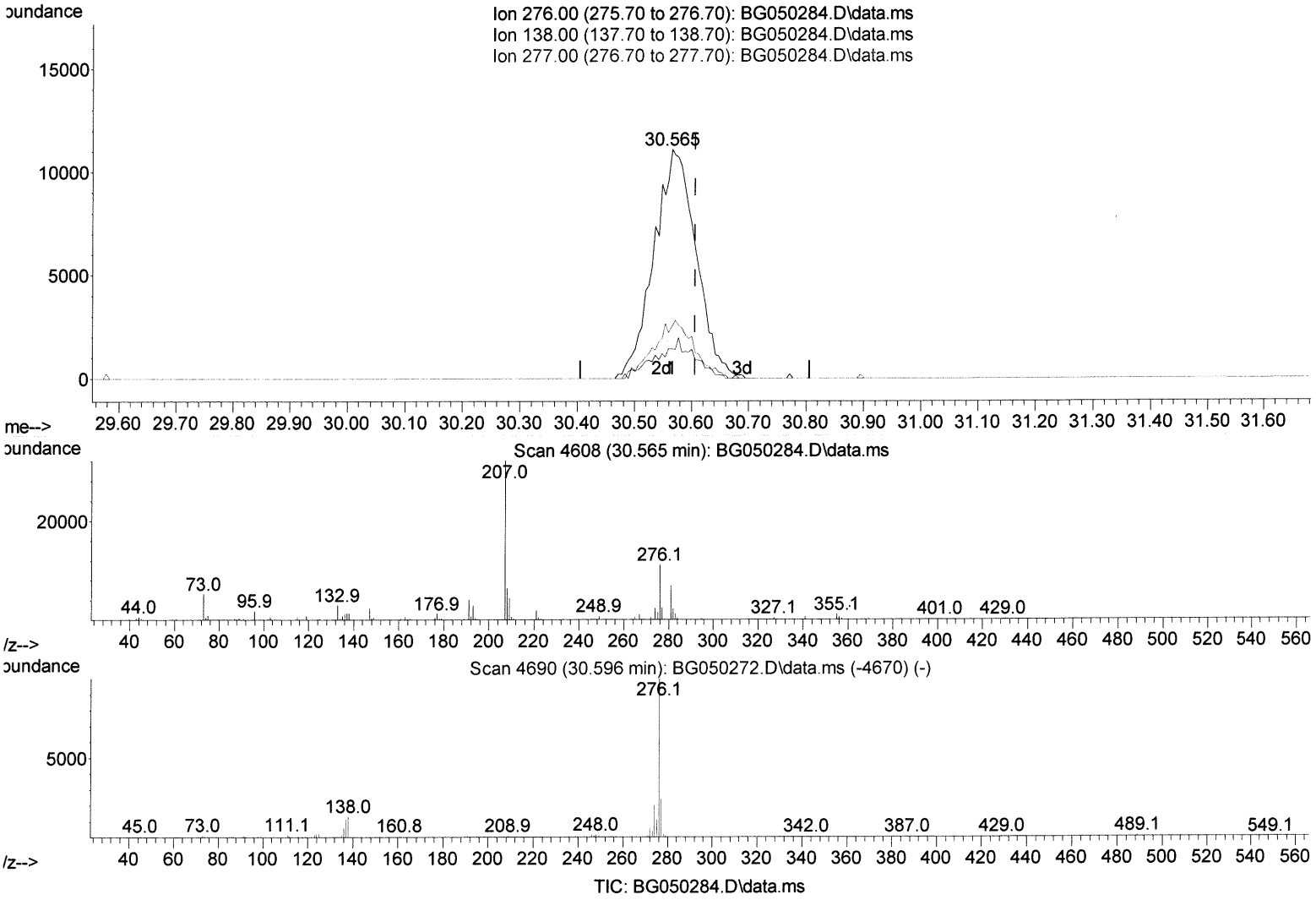
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	12.94
277.00	21.70	22.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM



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

30.565min (-0.041) 3.85 ng/ul m JU 09/04/21

response 57065

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	12.94
277.00	21.70	22.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.285	152	37525	20.000	ng/ul	0.00
20) Naphthalene-d8	11.112	136	150608	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.901	164	102299	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.645	188	238244	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.952	240	266693	20.000	ng/ul	# 0.00
88) Perylene-d12	25.395	264	266789	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.656	96	5104	6.578	ng/uL	0.00
4) Pyridine-d5	4.085	84	58659	25.082	ng/ul	-0.01
7) Phenol-d5	7.416	99	90080	30.234	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.598	67	57587	33.301	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.815	132	66985	30.932	ng/ul	0.00
15) 4-Methylphenol-d8	8.973	113	69868	29.768	ng/ul	-0.01
21) Nitrobenzene-d5	9.461	128	32189	34.597	ng/ul	0.00
24) 2-Nitrophenol-d4	10.183	143	33819	32.909	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.718	165	65705	27.409	ng/ul	0.00
31) 4-Chloroaniline-d4	11.241	131	91668	29.108	ng/ul	0.00
46) Dimethylphthalate-d6	14.302	166	203303	29.241	ng/ul	0.00
49) Acenaphthylene-d8	14.602	160	240950	27.570	ng/ul	0.00
54) 4-Nitrophenol-d4	15.060	143	35496	30.259	ng/ul	-0.01
60) Fluorene-d10	15.888	176	183804	28.875	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.988	200	30812	30.527	ng/ul	0.00
73) Anthracene-d10	17.745	188	296703	29.239	ng/ul	0.00
81) Pyrene-d10	20.019	212	361598	25.043	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.160	264	409849	30.131	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.697	88	1486	1.518	ng/uL#	70
5) Pyridine	4.114	79	11739	4.840	ng/ul#	80
6) Benzaldehyde	7.416	77	9624	5.089	ng/ul#	85
8) Phenol	7.439	94	12790	4.238	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.698	93	9783	4.361	ng/ul	94
12) 2-Chlorophenol	7.845	128	9475	4.152	ng/ul#	76
13) 2-Methylphenol	8.709	108	9521	4.043	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.814	45	14073	4.742	ng/ul#	93
16) Acetophenone	9.114	105	14615	4.076	ng/ul	91
17) N-Nitroso-di-n-propyla...	9.090	70	8049	3.949	ng/ul	97
18) 4-Methylphenol	9.043	108	9455	3.942	ng/ul	86
19) Hexachloroethane	9.378	117	4026	4.111	ng/ul	86
22) Nitrobenzene	9.496	77	12647	4.738	ng/ul#	97
23) Isophorone	10.031	82	21475	3.814	ng/ul#	94
25) 2-Nitrophenol	10.219	139	4800	4.472	ng/ul#	86
26) 2,4-Dimethylphenol	10.254	107	11310	3.941	ng/ul	89
27) Bis(2-Chloroethoxy)met...	10.501	93	12647	4.115	ng/ul	97
29) 2,4-Dichlorophenol	10.741	162	9003	3.898	ng/ul	89
30) Naphthalene	11.164	128	31877	4.126	ng/ul	97
32) 4-Chloroaniline	11.264	127	12514	3.979	ng/ul	96
33) Hexachlorobutadiene	11.446	225	7565	3.948	ng/ul#	73
34) Caprolactam	12.058	113	3530	4.847	ng/ul#	79
35) 4-Chloro-3-methylphenol	12.351	107	9371	3.741	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050284.D
Acq On : 28 Sep 2021 12:34
Operator : CG/JU
Sample : M3263-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 28 13:11:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations APPROVED
mohammad
9/29/2021 12:53:14 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.751	142	21724	4.061	ng/ul	95
37) 1-Methylnaphthalene	12.968	142	21606	4.000	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.103	216	13526	4.200	ng/ul#	87
40) Hexachlorocyclopentadiene	13.086	237	9112	4.101	ng/ul	96
41) 2,4,6-Trichlorophenol	13.338	196	7066	3.720	ng/ul	89
42) 2,4,5-Trichlorophenol	13.403	196	8513	4.166	ng/ul	95
43) 1,1'-Biphenyl	13.744	154	28273	4.074	ng/ul#	97
44) 2-Chloronaphthalene	13.785	162	22291	4.060	ng/ul	98
45) 2-Nitroaniline	13.979	65	6073	4.645	ng/ul	90
47) Dimethylphthalate	14.343	163	27964	3.993	ng/ul#	99
48) 2,6-Dinitrotoluene	14.466	165	4771	4.303	ng/ul	93
50) Acenaphthylene	14.631	152	35550	4.026	ng/ul	97
51) 3-Nitroaniline	14.796	138	4890	3.945	ng/ul	88
52) Acenaphthene	14.966	153	24346	4.212	ng/ul	96
53) 2,4-Dinitrophenol	14.995	184	3793	5.404	ng/ul#	66
55) 4-Nitrophenol	15.078	109	4812	3.992	ng/ul#	58
56) Dibenzofuran	15.301	168	34891	4.033	ng/ul#	85
57) 2,4-Dinitrotoluene	15.242	165	6595	4.198	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.512	232	7102	3.863	ng/ul#	83
59) Diethylphthalate	15.700	149	27259	3.786	ng/ul#	90
61) Fluorene	15.947	166	28469	4.201	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.935	204	15069	3.950	ng/ul#	79
63) 4-Nitroaniline	15.953	138	5109	4.004	ng/ul#	75
66) 4,6-Dinitro-2-methylph...	16.006	198	4419	4.358	ng/ul#	96
67) N-Nitrosodiphenylamine	16.147	169	22999	3.818	ng/ul	92
68) 4-Bromophenyl-phenylether	16.828	248	9000	3.643	ng/ul	93
69) Hexachlorobenzene	16.946	284	10602	3.874	ng/ul	92
70) Atrazine	17.087	200	11261	4.237	ng/ul	93
71) Pentachlorophenol	17.287	266	8282	4.742	ng/ul	95
72) Phenanthrene	17.686	178	47733	4.037	ng/ul	96
74) Anthracene	17.780	178	47549	4.038	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.714	216	13137	3.879	ng/uL#	83
76) Pentachlorobenzene	15.213	250	12012	3.678	ng/uL	92
77) Carbazole	18.045	167	41357	3.970	ng/ul	94
78) Di-n-butylphthalate	18.591	149	47544	3.958	ng/ul	98
80) Fluoranthene	19.684	202	61442	3.356	ng/ul#	93
82) Pyrene	20.048	202	62030	3.446	ng/ul#	89
83) Butylbenzylphthalate	20.924	149	20446	3.372	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.840	252	23769	4.162	ng/ul#	98
85) Benzo(a)anthracene	21.934	228	62702	3.904	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.823	149	31469	3.635	ng/ul	100
87) Chrysene	21.999	228	62986	4.045	ng/ul	96
89) Di-n-octyl phthalate	23.121	149	53267	4.073	ng/ul	100
90) Benzo(b)fluoranthene	24.290	252	62527	4.004	ng/ul#	96
91) Benzo(k)fluoranthene	24.361	252	60755	4.143	ng/ul#	96
93) Benzo(a)pyrene	25.230	252	56604	3.816	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.343	276	67245m	3.880	ng/ul	
95) Dibenzo(a,h)anthracene	29.408	278	59473m	3.981	ng/ul	
96) Benzo(g,h,i)perylene	30.565	276	57065m	3.848	ng/ul	

→ JH 10/04/21

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