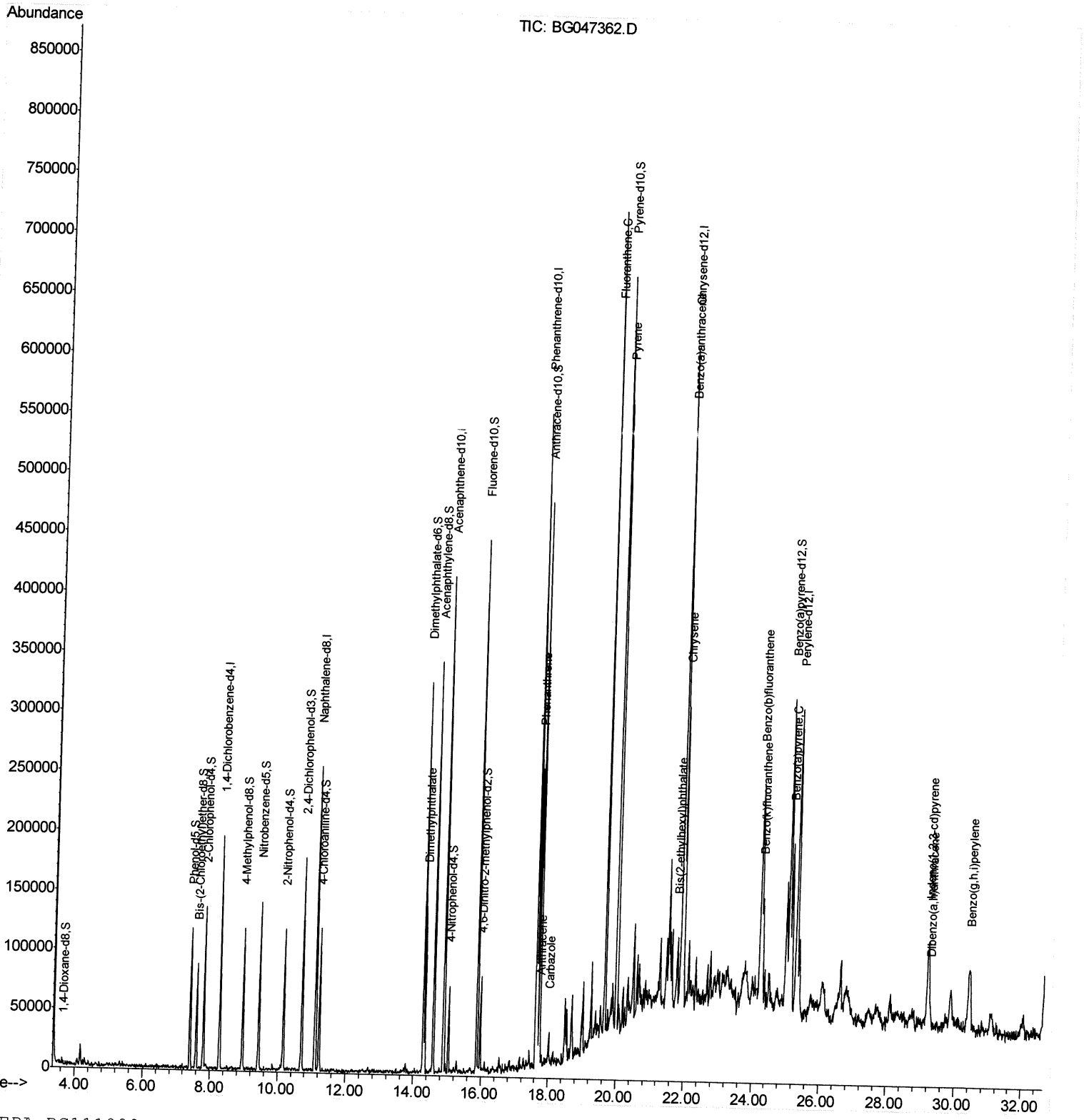
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:52:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM

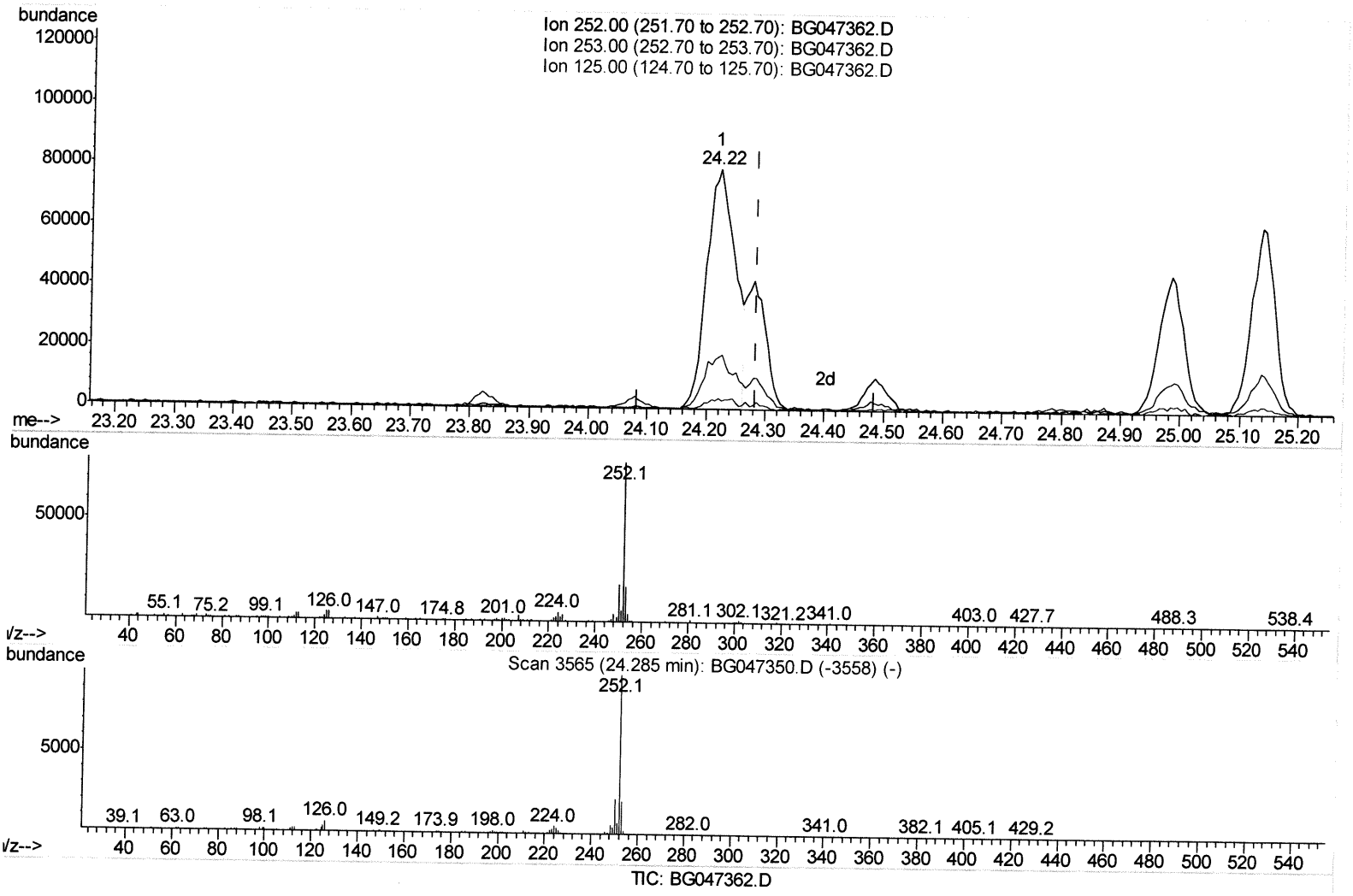


Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:02:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



(89) Benzo(k)fluoranthene

24.221min (-0.064) 12.12ng/ul

response 268084

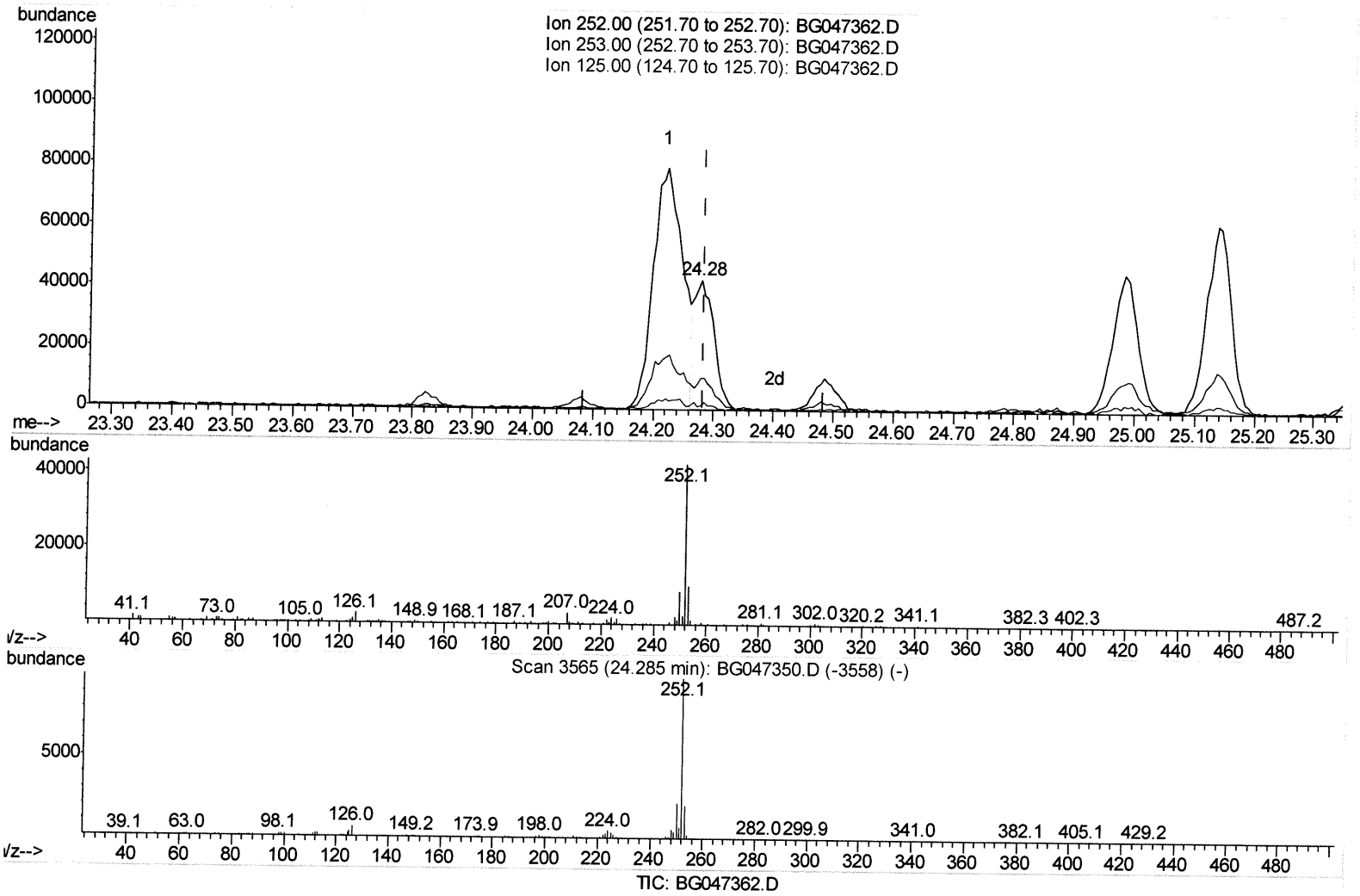
Ion	Exp%	Act%
252.00	100	100
253.00	20.90	21.93
125.00	3.20	4.71#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:02:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



(89) Benzo(k)fluoranthene

24.279min (-0.005) 4.30ng/ul m

response 95146

JU 11/24/20

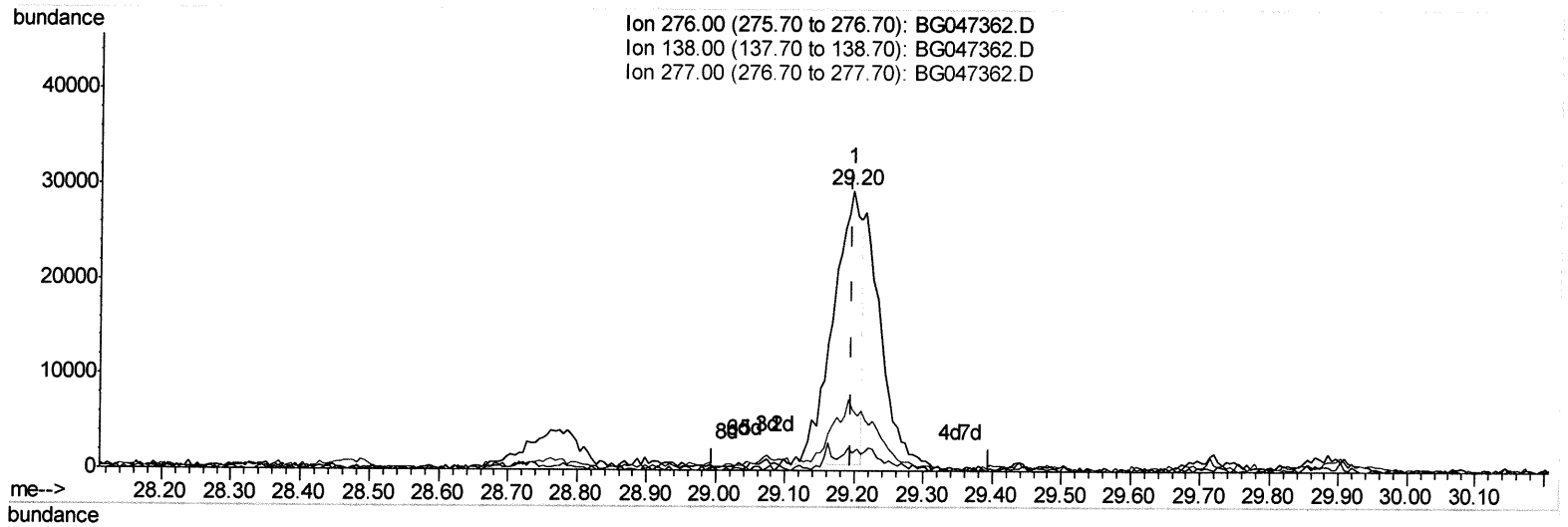
Ion	Exp%	Act%
252.00	100	100
253.00	20.90	24.49
125.00	3.20	3.43
0.00	0.00	0.00

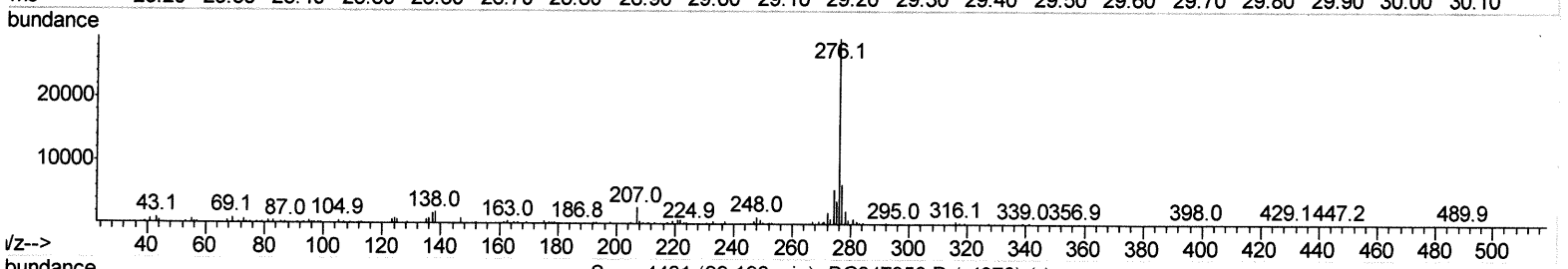
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:41:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

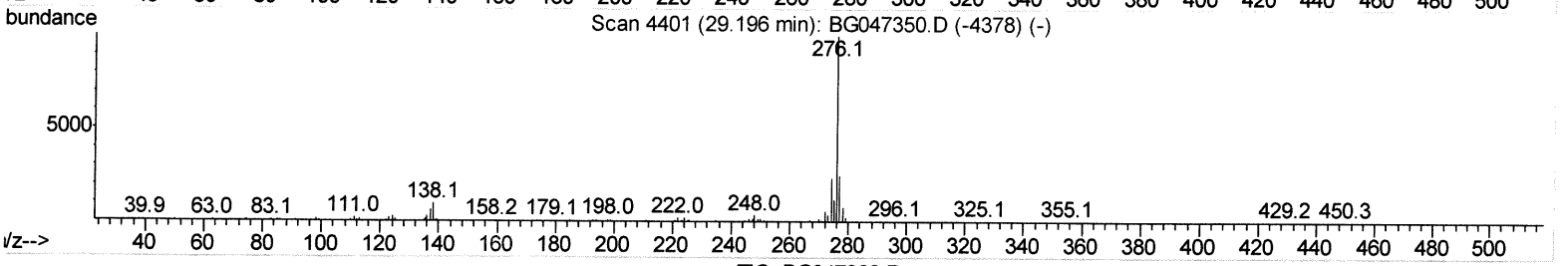
Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM





Scan 4401 (29.196 min): BG047350.D (-4378) (-)



TIC: BG047362.D

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

29.197min (+0.001) 3.38ng/ul

response 82377

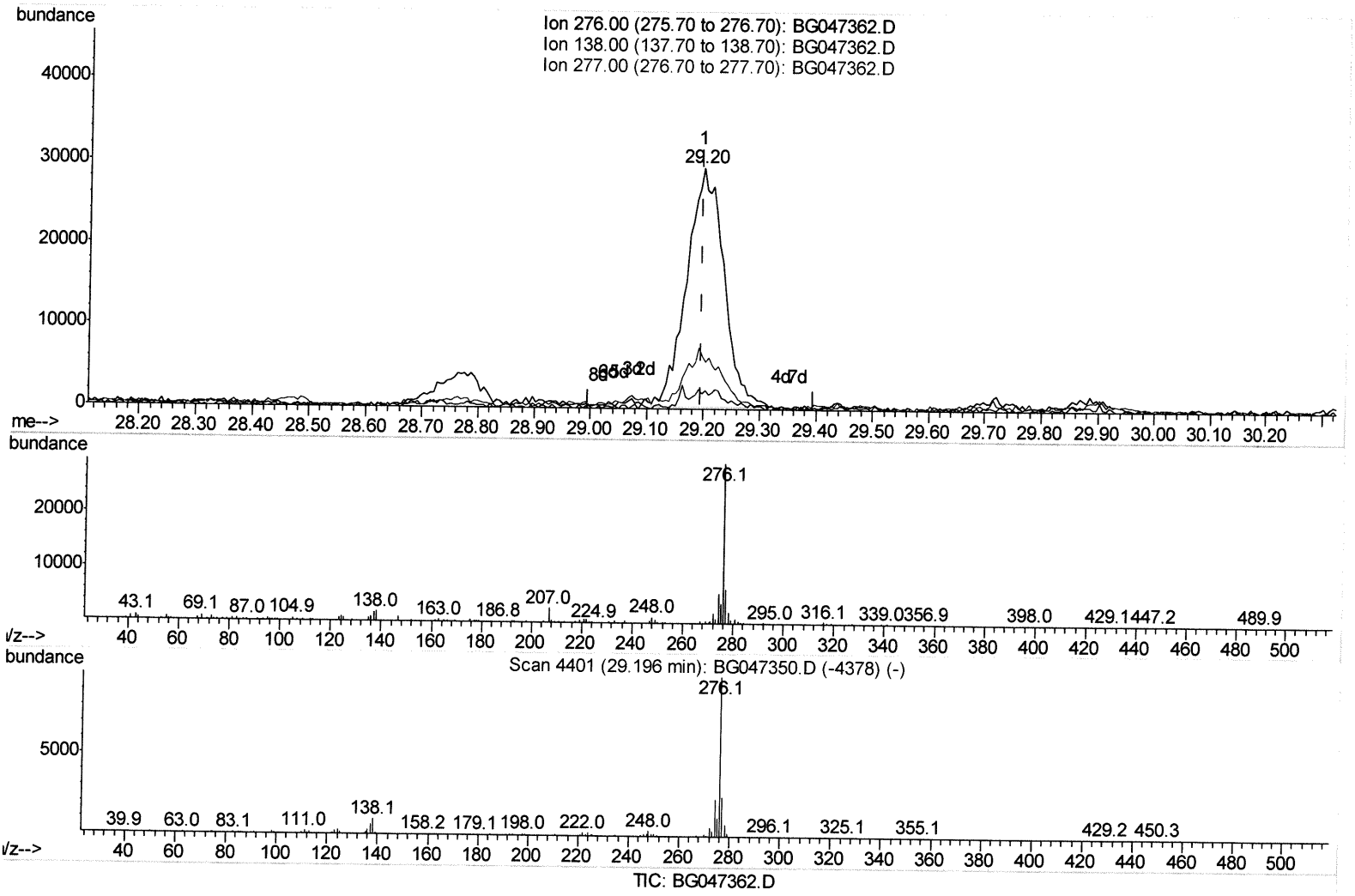
Ion	Exp%	Act%
276.00	100	100
138.00	9.40	6.41#
277.00	24.90	21.67
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:41:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



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

29.197min (+0.001) 5.54ng/ul m JU 11/24/20

response 134861

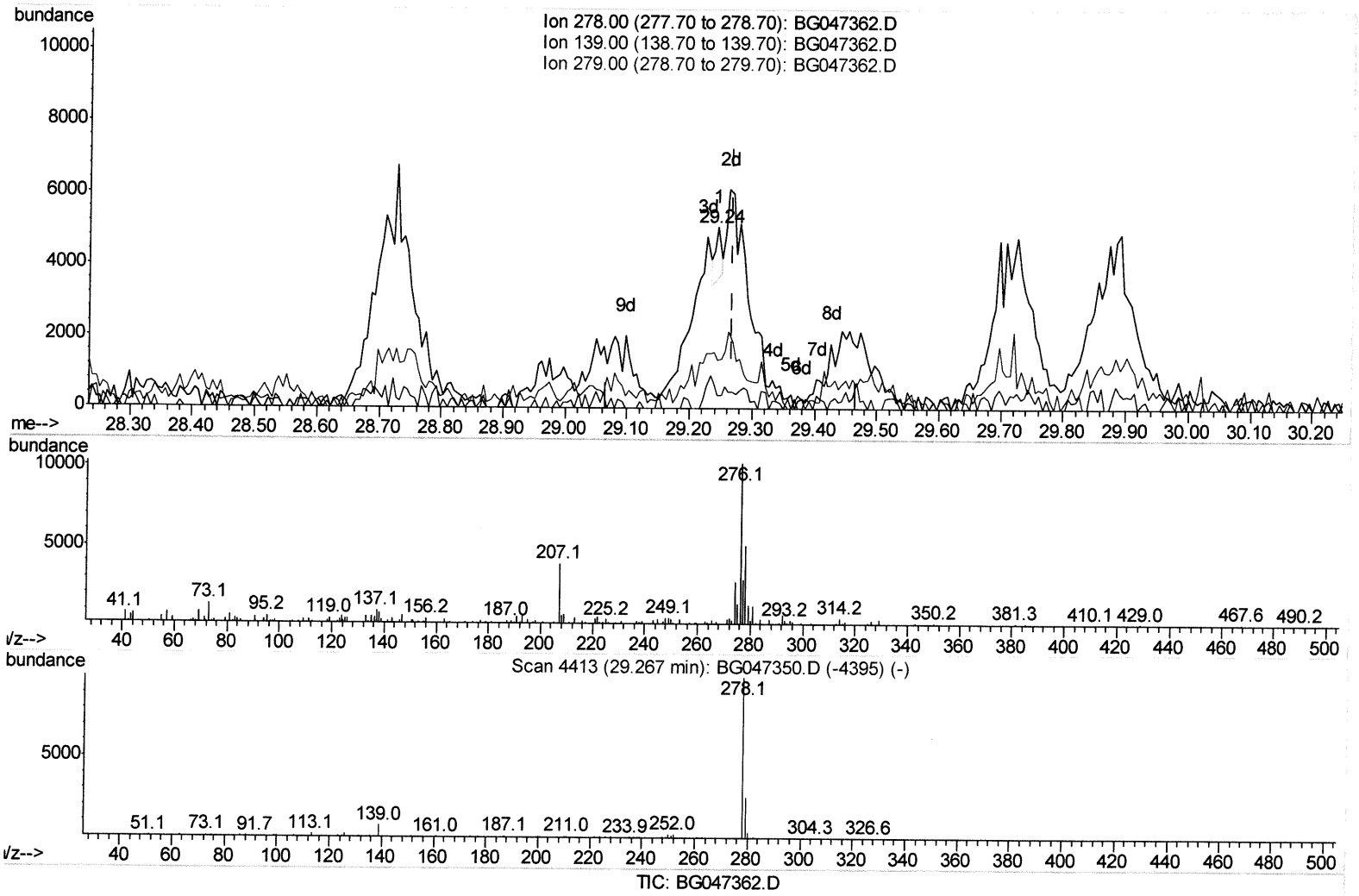
Ion	Exp%	Act%
276.00	100	100
138.00	9.40	6.41#
277.00	24.90	21.67
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:49:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



(93) Dibenzo(a,h)anthracene

29.244min (-0.023) 0.05ng/ul

response 1001

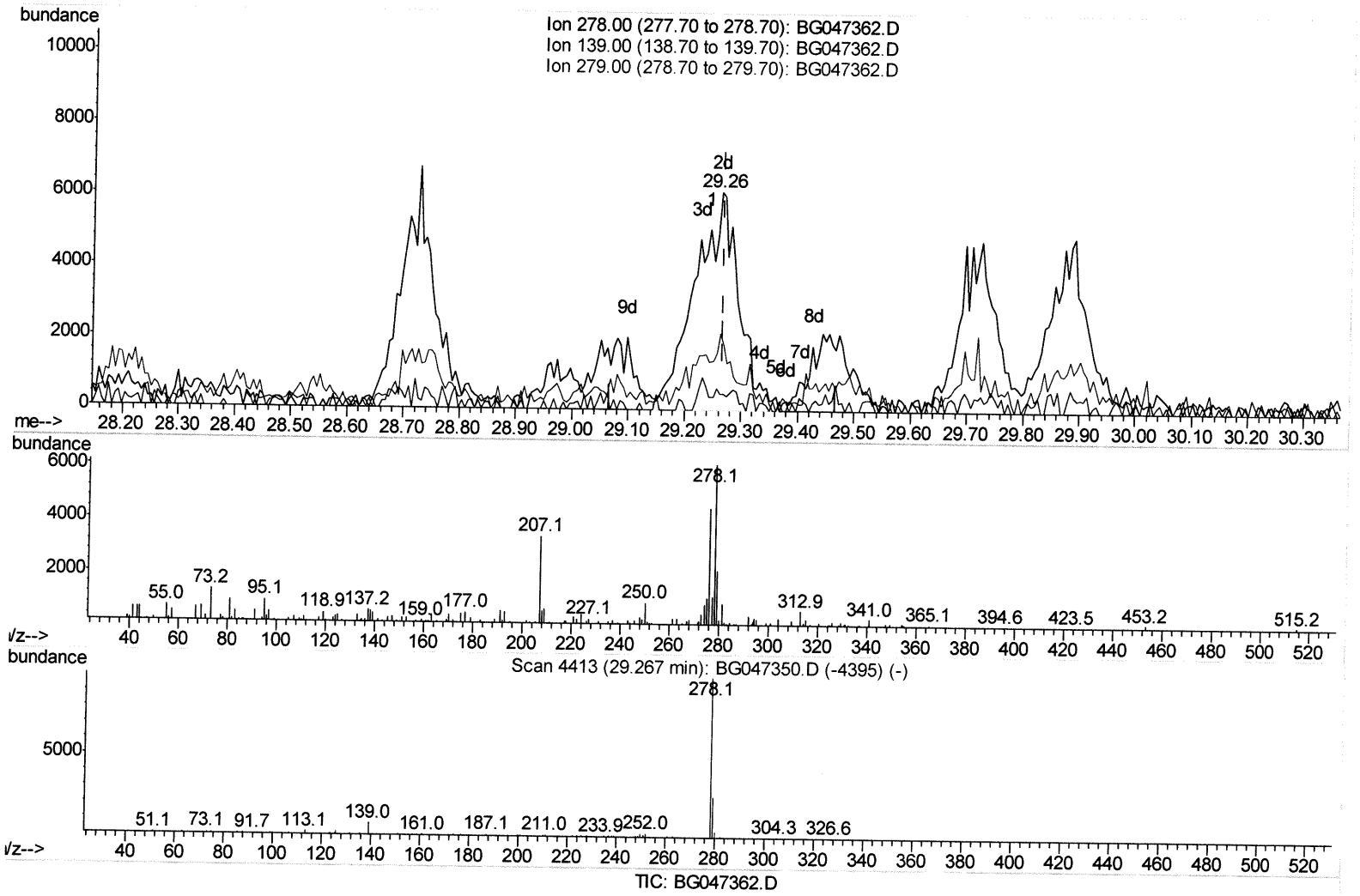
Ion	Exp%	Act%
278.00	100	100
139.00	7.20	7.04
279.00	25.00	26.44
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:49:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



(93) Dibenzo(a,h)anthracene

29.262min (-0.005) 1.64ng/ul m JU11 | 24/20

response 32653

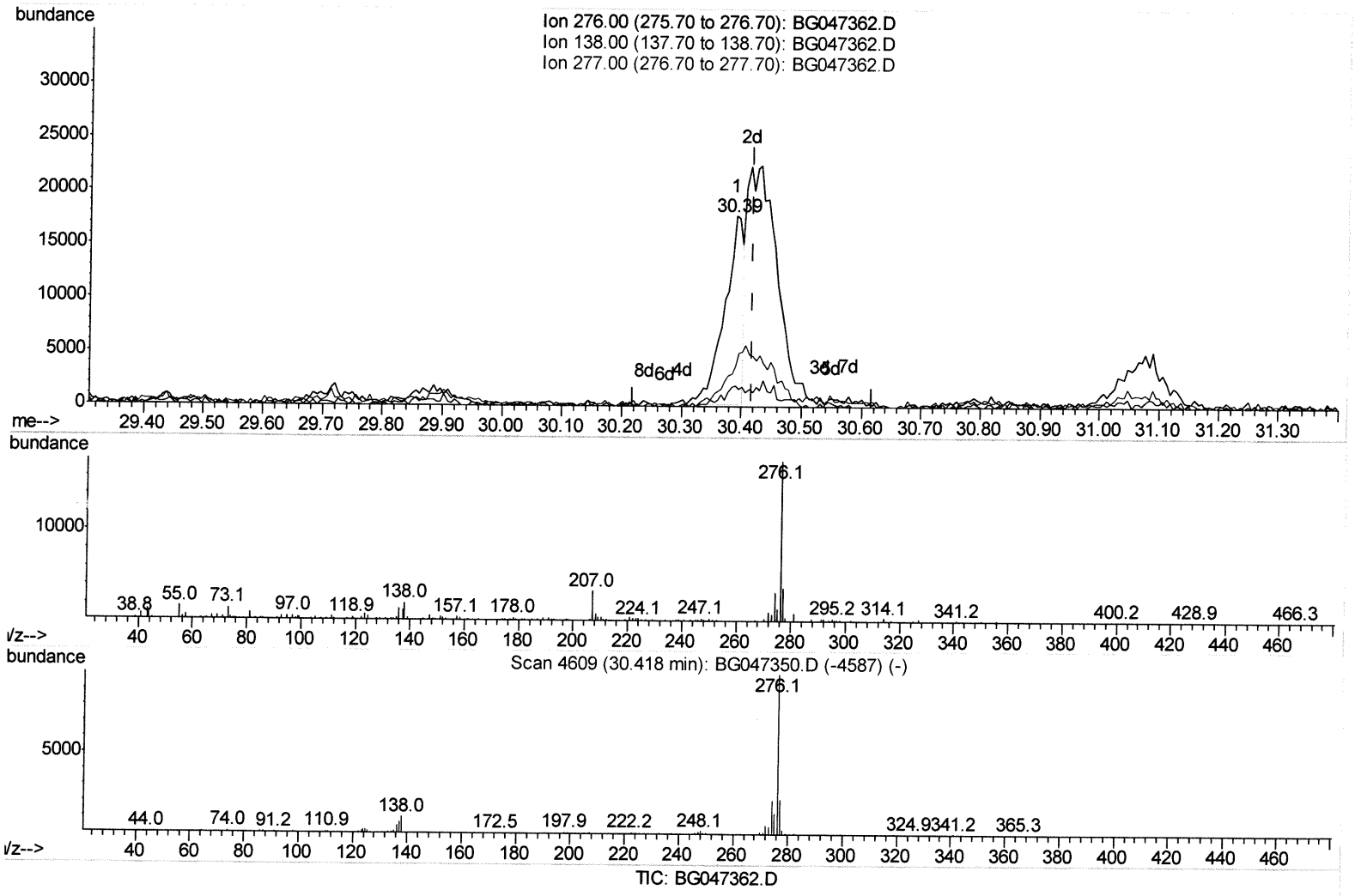
Ion	Exp%	Act%
278.00	100	100
139.00	7.20	7.72
279.00	25.00	35.30#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:49:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



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

30.390min (-0.029) 1.94ng/ul

response 38897

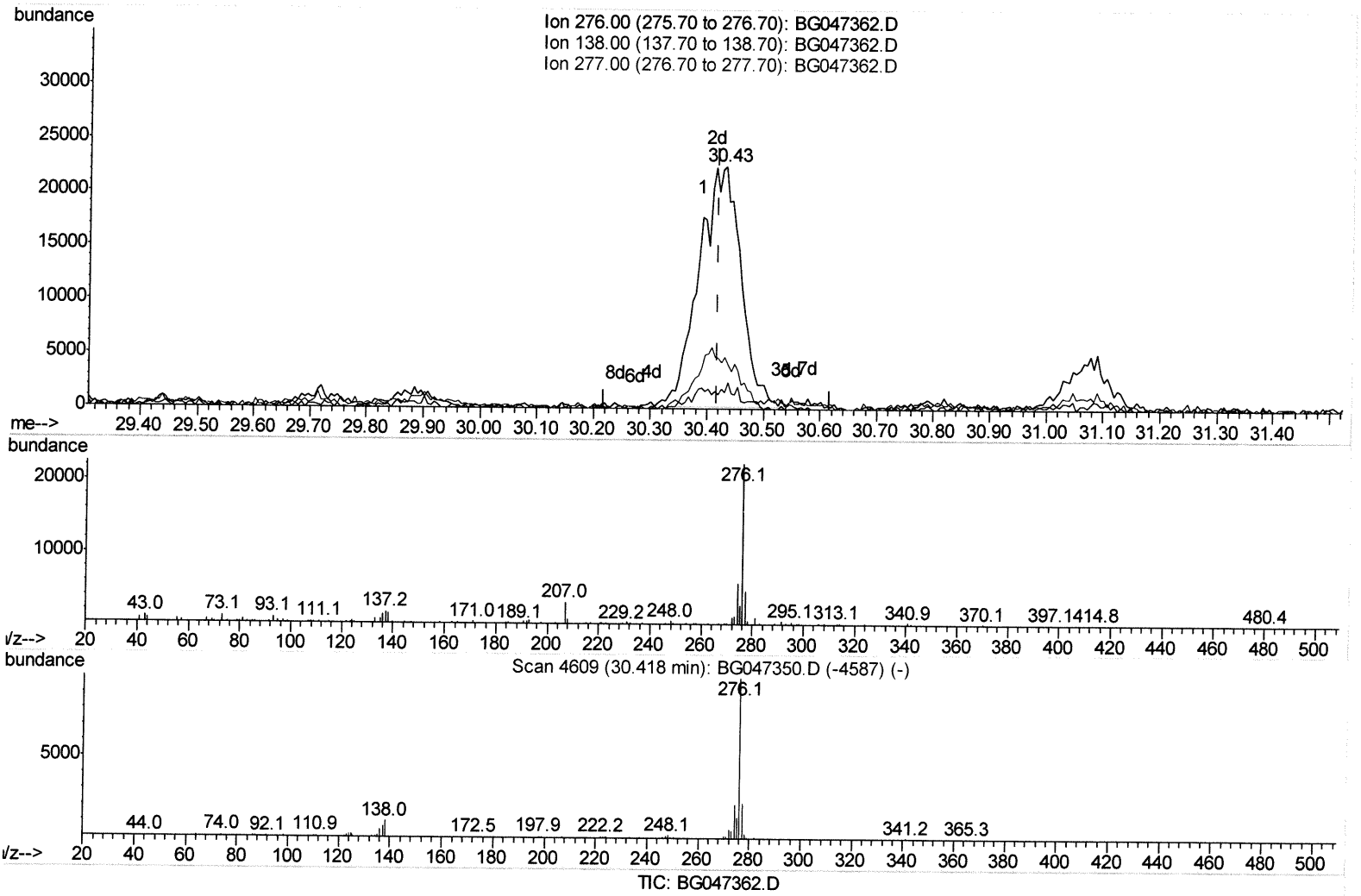
Ion	Exp%	Act%
276.00	100	100
138.00	10.20	11.17
277.00	21.90	21.14
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 20 04:49:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM



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

30.431min (+0.013) 5.78ng/ul m JU 11/24/20

response 116176

Ion	Exp%	Act%
276.00	100	100
138.00	10.20	6.62#
277.00	21.90	21.17
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111920\
Data File : BG047362.D
Acq On : 19 Nov 2020 21:24
Operator : CG/JU
Sample : L4710-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B40

Manual Integrations APPROVED
mohammad
11/23/2020 1:28:48 PM

Quant Time: Nov 20 04:52:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 14:25:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	48915	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	197824	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	148753	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	348478	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	303505	20.00	ng/ul	0.00
86) Perylene-d12	25.30	264	317968	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.62	96	2086	1.55	ng/uL	0.00
5) Phenol-d5	7.41	99	61817	12.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	42952	15.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	48378	14.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	37156	9.86	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	25057	15.33	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	29242	16.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	59666	14.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	51463	12.47	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	191957	15.03	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	252427	17.10	ng/ul	0.00
52) 4-Nitrophenol-d4	15.03	143	13282	6.82	ng/ul	0.00
58) Fluorene-d10	15.87	176	183252	15.67	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	19603	9.88	ng/ul	0.00
71) Anthracene-d10	17.72	188	281571	16.29	ng/ul	0.00
79) Pyrene-d10	19.98	212	313613	17.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	306674	16.76	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	14.32	163	83263	6.392	ng/ul	98
70) Phenanthrene	17.66	178	153850	8.175	ng/ul	98
72) Anthracene	17.75	178	23681	1.250	ng/ul	95
75) Carbazole	18.00	167	15473	1.012	ng/ul#	92
77) Fluoranthene	19.65	202	442431	18.616	ng/ul	99
80) Pyrene	20.01	202	346537	16.119	ng/ul	99
83) Benzo(a)anthracene	21.88	228	176180	8.158	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.78	149	21440	2.037	ng/ul#	87
85) Chrysene	21.95	228	198238	9.646	ng/ul	97
88) Benzo(b)fluoranthene	24.22	252	268084	11.941	ng/ul#	97
89) Benzo(k)fluoranthene	24.28	252	95146m	4.301	ng/ul	> JU 11/24/20
91) Benzo(a)pyrene	25.14	252	172469	8.618	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	29.20	276	134861m	5.540	ng/ul	→ JU 11/24/20
93) Dibenzo(a,h)anthracene	29.26	278	32653m	1.636	ng/ul	
94) Benzo(g,h,i)perylene	30.43	276	116176m	5.784	ng/ul	

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