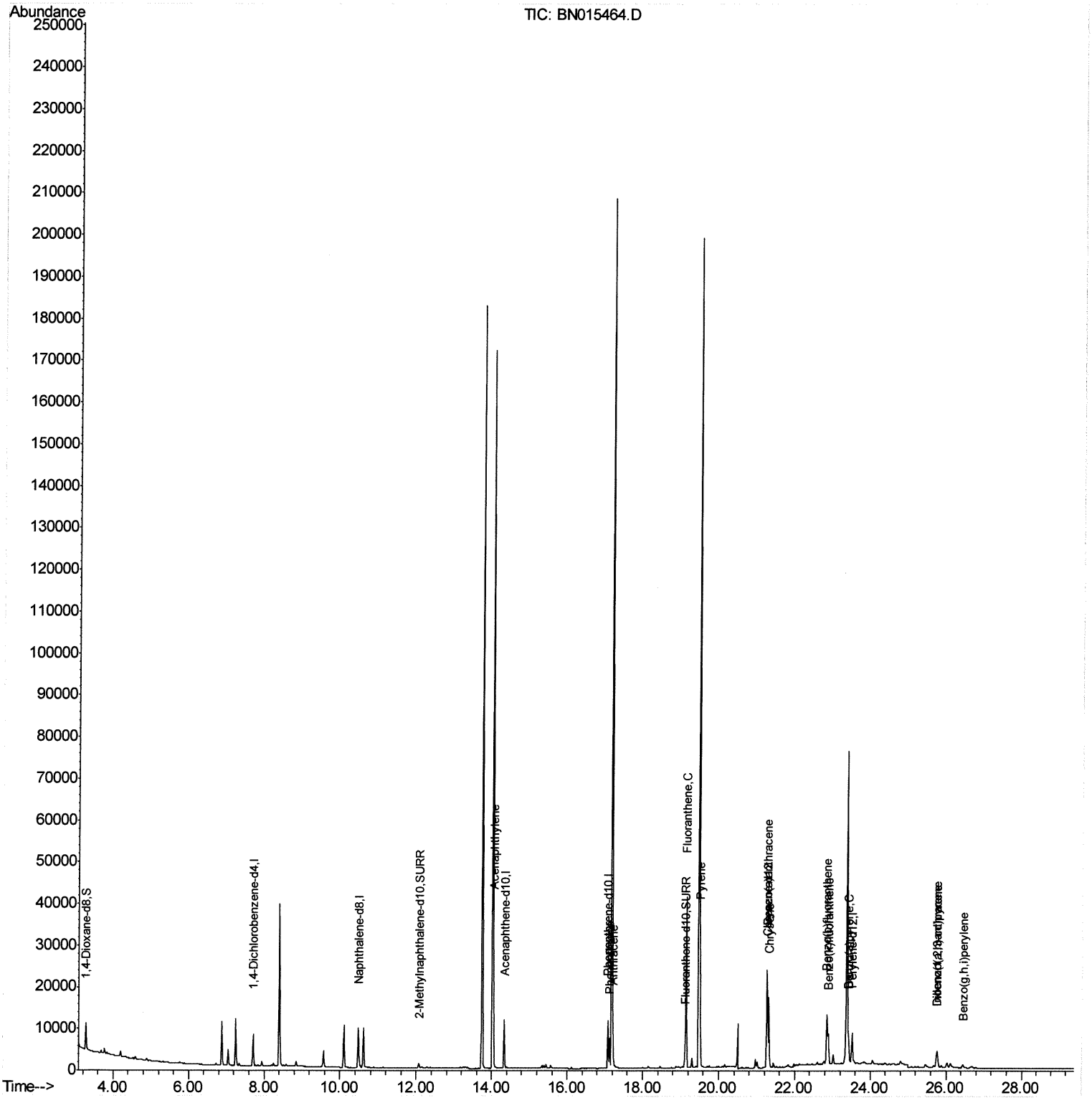
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015464.D
Acq On : 10 Jul 2021 02:39
Operator : CG/JU
Sample : M2854-19DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 10 03:32:39 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 10 02:55:19 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDW3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:40 AM

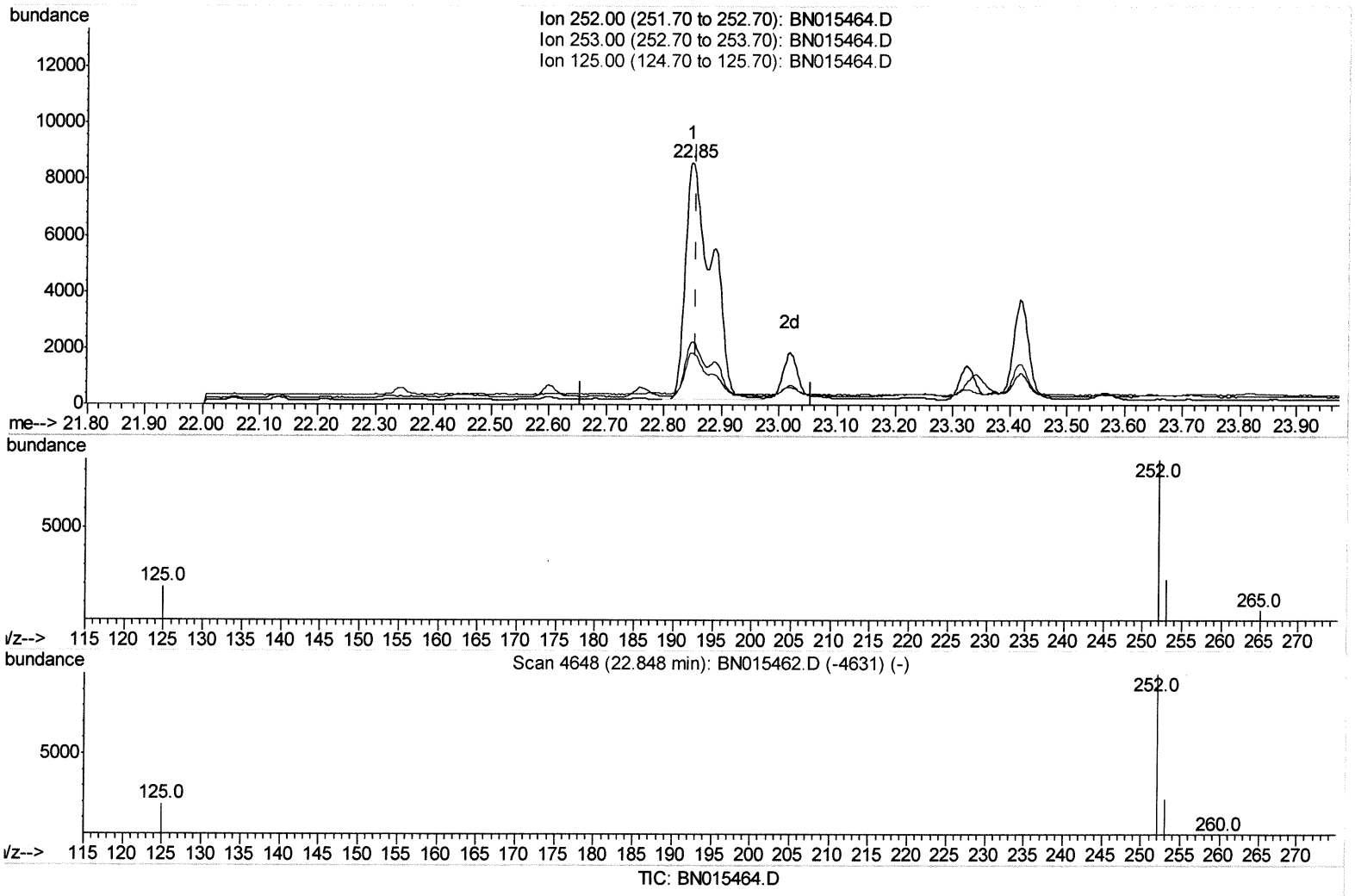


Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015464.D
Acq On : 10 Jul 2021 02:39
Operator : CG/JU
Sample : M2854-19DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 10 03:30:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 10 02:55:19 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDW3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:40 AM



(24) Benzo(b)fluoranthene

22.848min (-0.008) 0.59ng/ul

response 26986

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	26.08
125.00	14.20	21.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015464.D
Acq On : 10 Jul 2021 02:39
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ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 10 03:30:15 2021
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QLast Update : Sat Jul 10 02:55:19 2021
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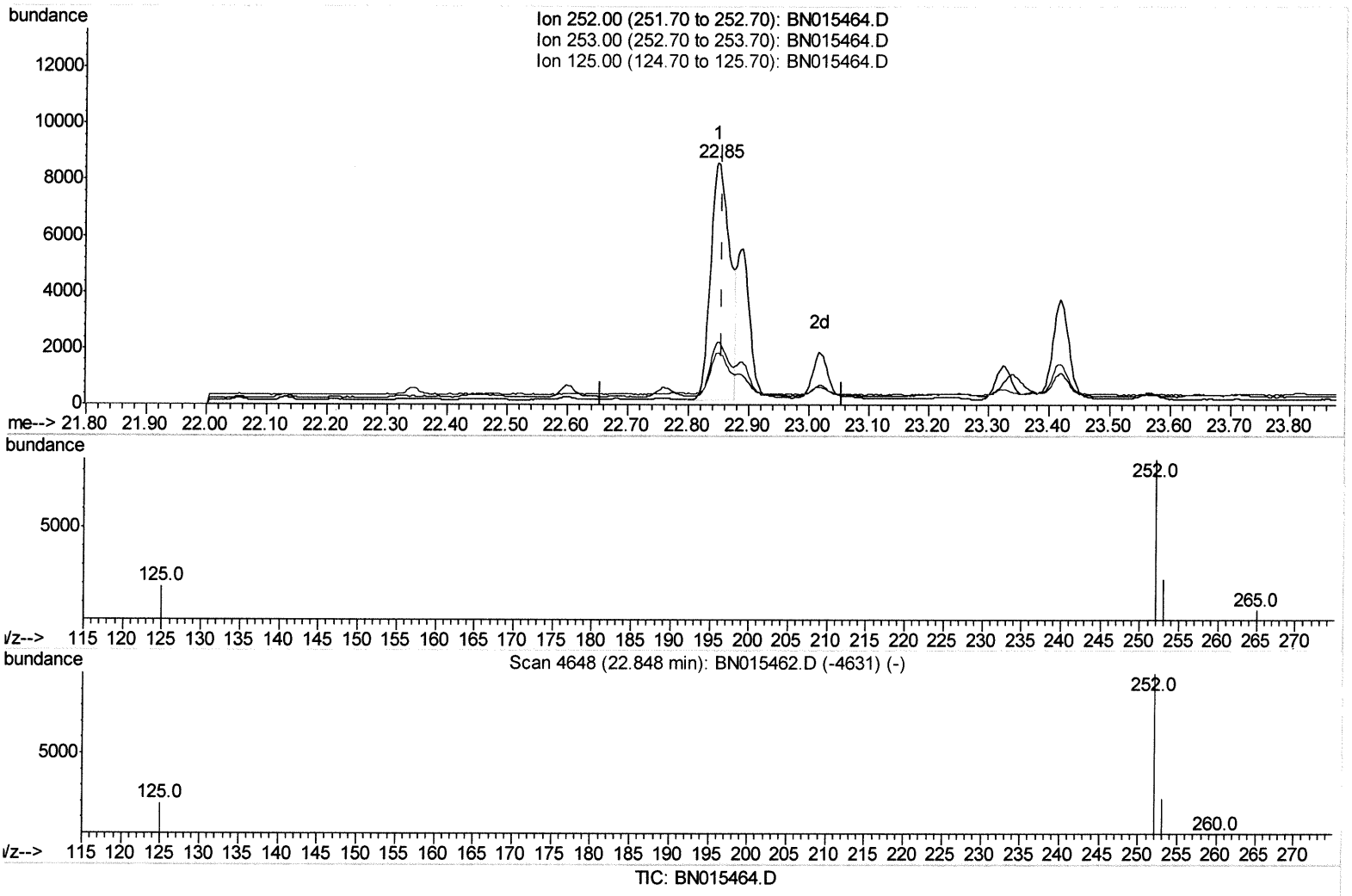
Instrument :
BNA_N
ClientSampleId :
BGDW3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:40 AM



(24) Benzo(b)fluoranthene

22.848min (-0.008) 0.41ng/ul m

7/12/21

response 18758

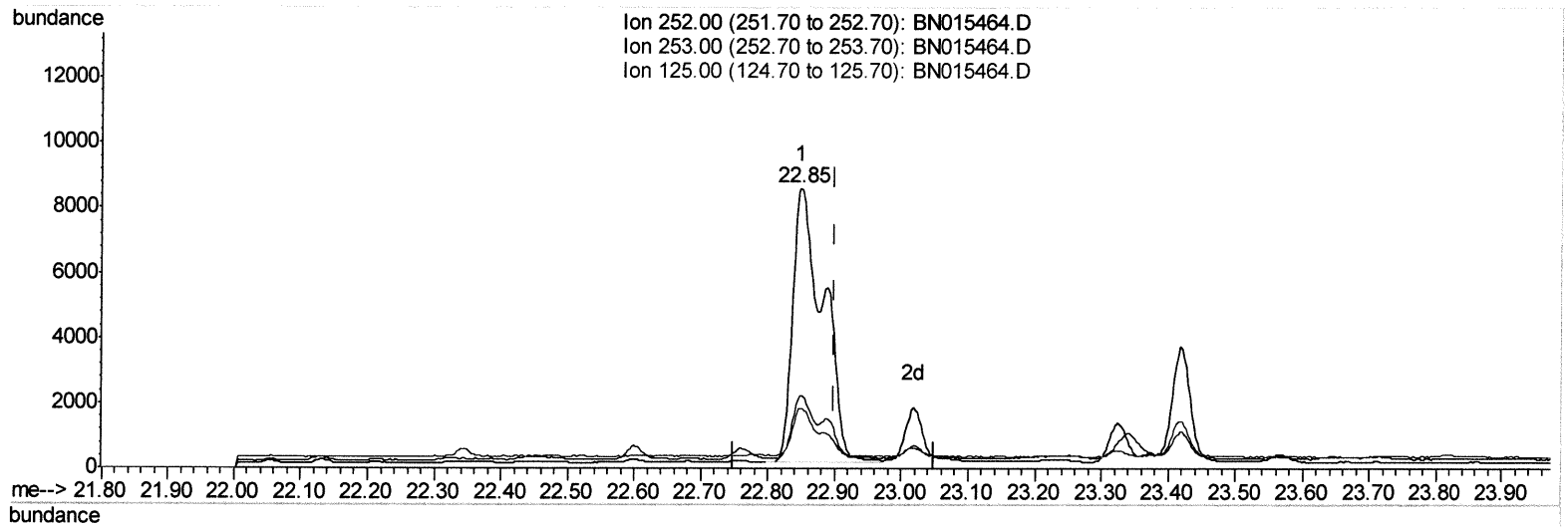
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	26.08
125.00	14.20	21.50
0.00	0.00	0.00

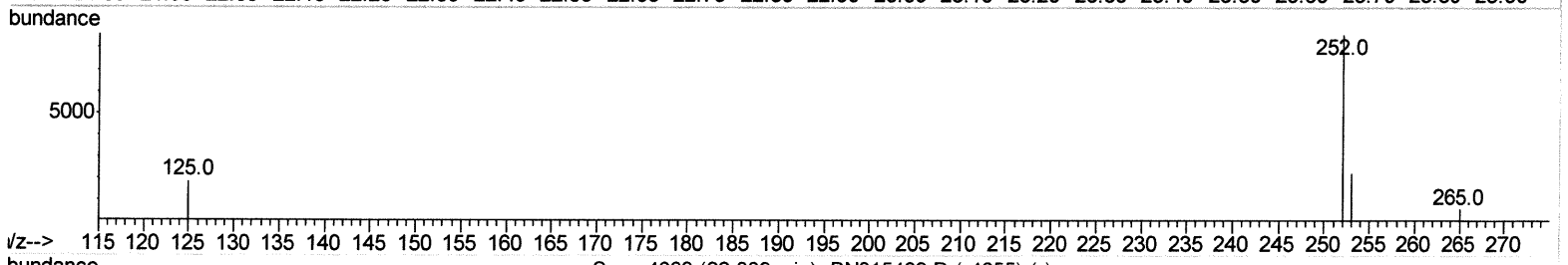
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015464.D
Acq On : 10 Jul 2021 02:39
Operator : CG/JU
Sample : M2854-19DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

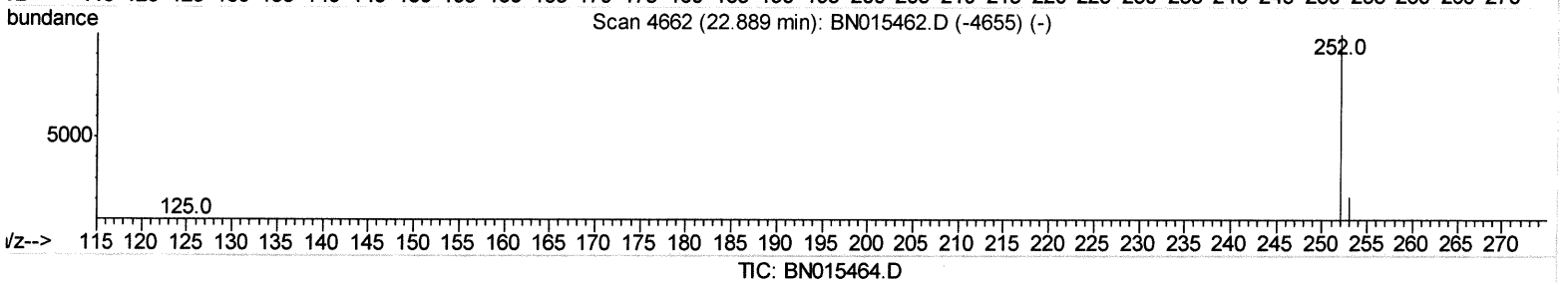
Quant Time: Jul 10 03:31:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 10 02:55:19 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDW3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:40 AM







TIC: BN015464.D

(25) Benzo(k)fluoranthene

22.848min (-0.052) 0.53ng/ul

response 26986

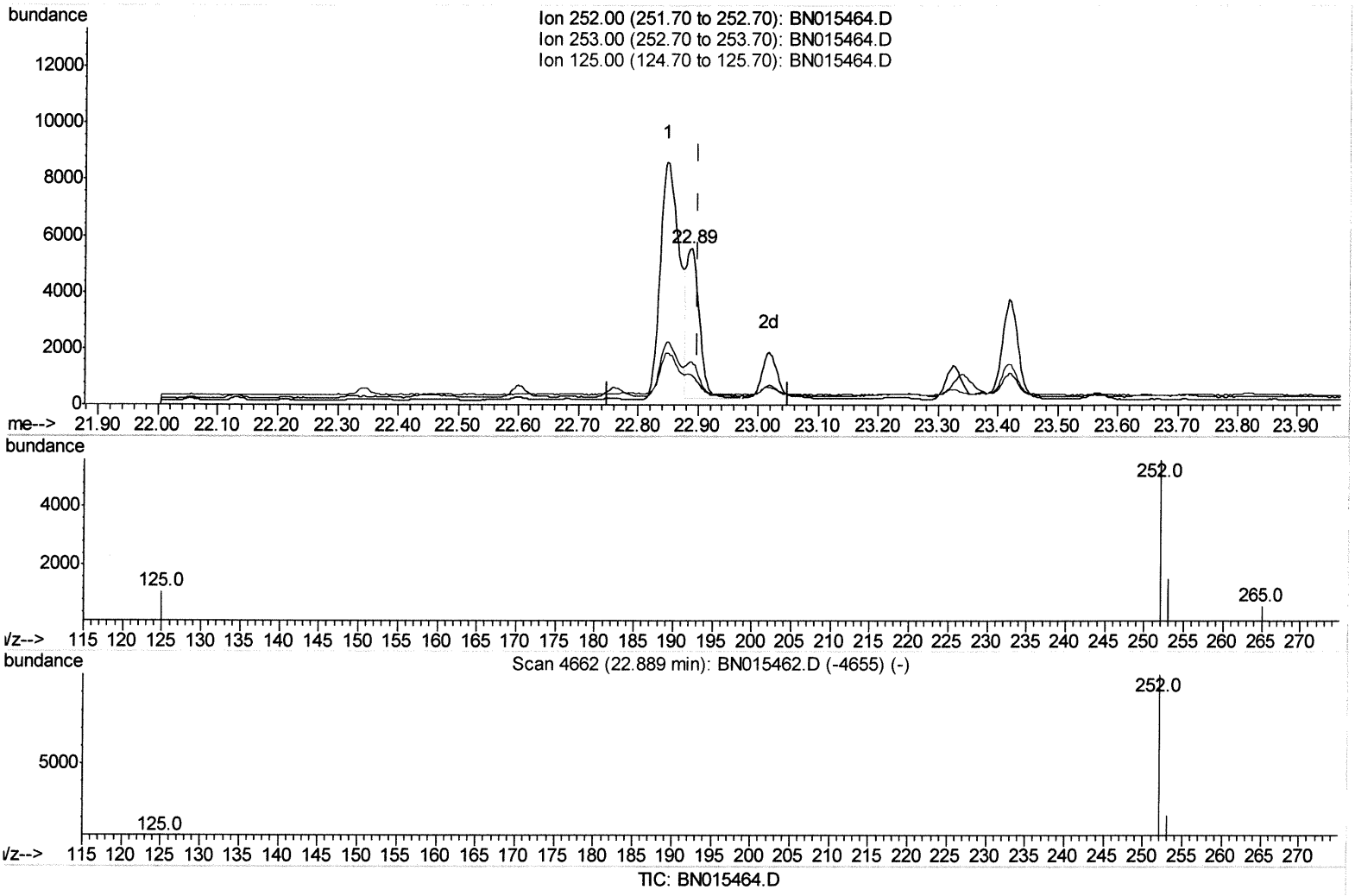
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	26.08
125.00	14.40	21.50#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015464.D
Acq On : 10 Jul 2021 02:39
Operator : CG/JU
Sample : M2854-19DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 10 03:31:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 10 02:55:19 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDW3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:40 AM



TIC: BN015464.D

(25) Benzo(k)fluoranthene

22.889min (-0.011) 0.16ng/ul m

response 8041

JG 7/14/21

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	27.35#
125.00	14.40	19.20#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015464.D
Acq On : 10 Jul 2021 02:39
Operator : CG/JU
Sample : M2854-19DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BGDW3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:40 AM

Quant Time: Jul 10 03:32:39 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 10 02:55:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3620	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	12393	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.34	164	6332	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.08	188	12513	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	10478	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	9713	0.40	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	4437	1.09	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.07	152	1467	0.08	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	2972	0.09	ng/ul	0.00
Target Compounds						Qvalue
10) Acenaphthylene	14.05	152	1324	0.040	ng/ul#	90
15) Phenanthrene	17.12	178	7425	0.163	ng/ul	97
16) Anthracene	17.22	178	4821	0.120	ng/ul	98
19) Fluoranthene	19.15	202	34125	0.705	ng/ul	98
20) Pyrene	19.51	202	21559	0.444	ng/ul	98
21) Benzo(a)anthracene	21.26	228	18129	0.467	ng/ul	96
22) Chrysene	21.32	228	15919	0.343	ng/ul	98
24) Benzo(b)fluoranthene	22.85	252	18758m	0.413	ng/ul	
25) Benzo(k)fluoranthene	22.89	252	8041m	0.157	ng/ul	JU 7/14/21
26) Benzo(a)pyrene	23.42	252	6622	0.174	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	25.76	276	5563	0.121	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.77	278	3036	0.084	ng/ul#	82
29) Benzo(g,h,i)perylene	26.45	276	1482	0.035	ng/ul#	71

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