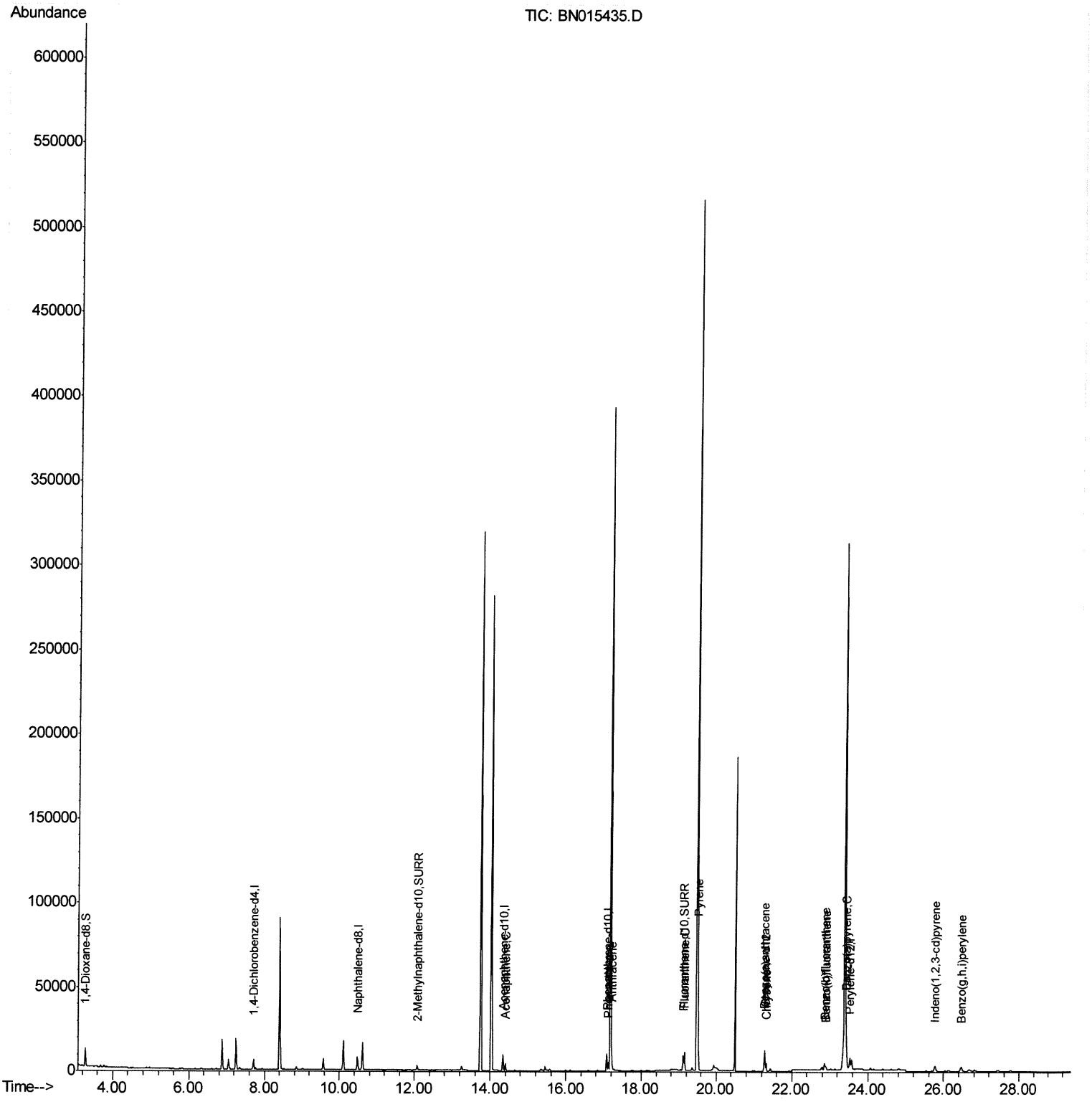
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:58:14 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:34:23 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
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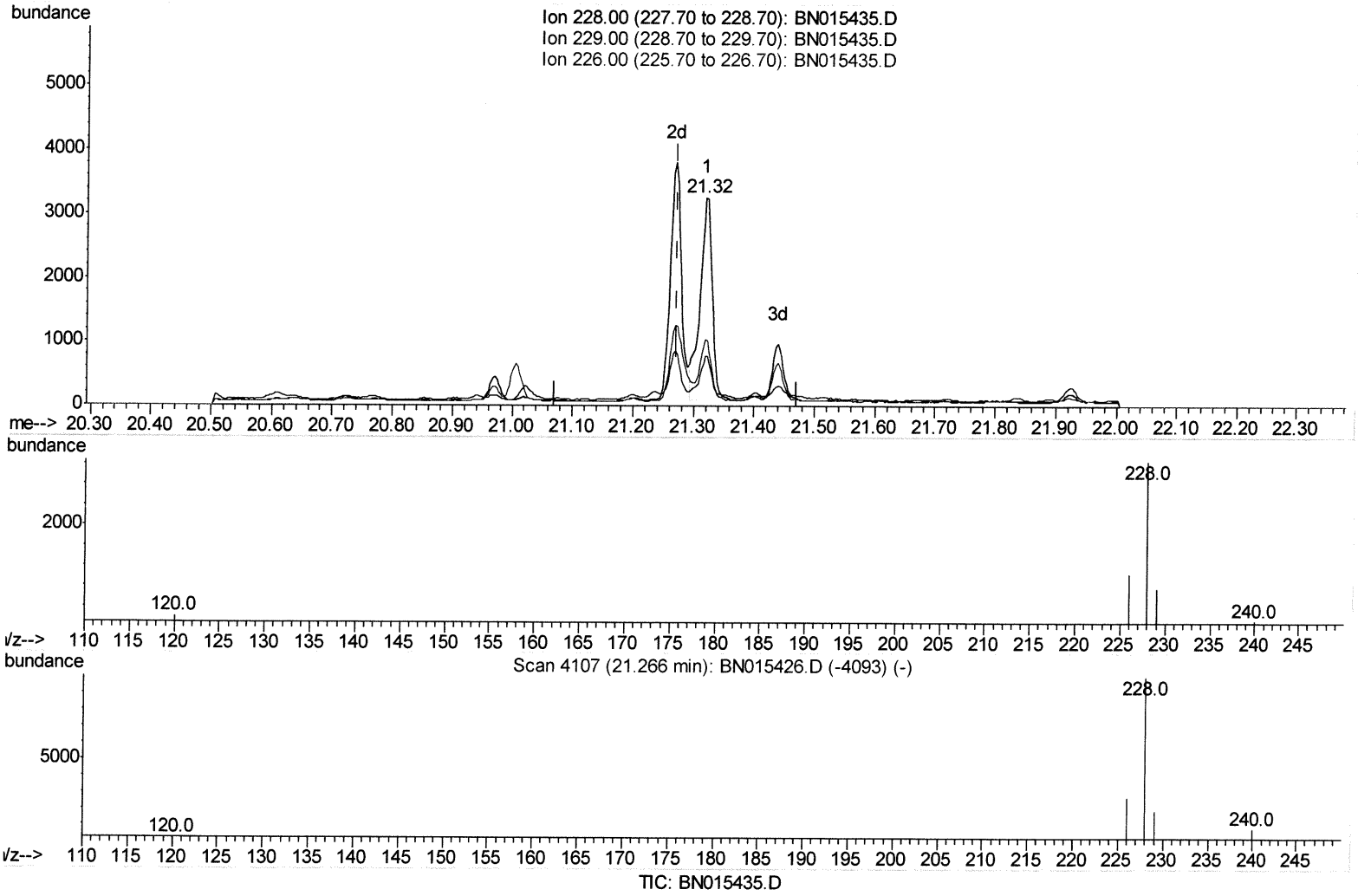

(21) Benzo(a)anthracene

21.319min (+0.047) 0.13ng/ul

response 4429

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	23.65
226.00	27.30	32.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:34:23 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
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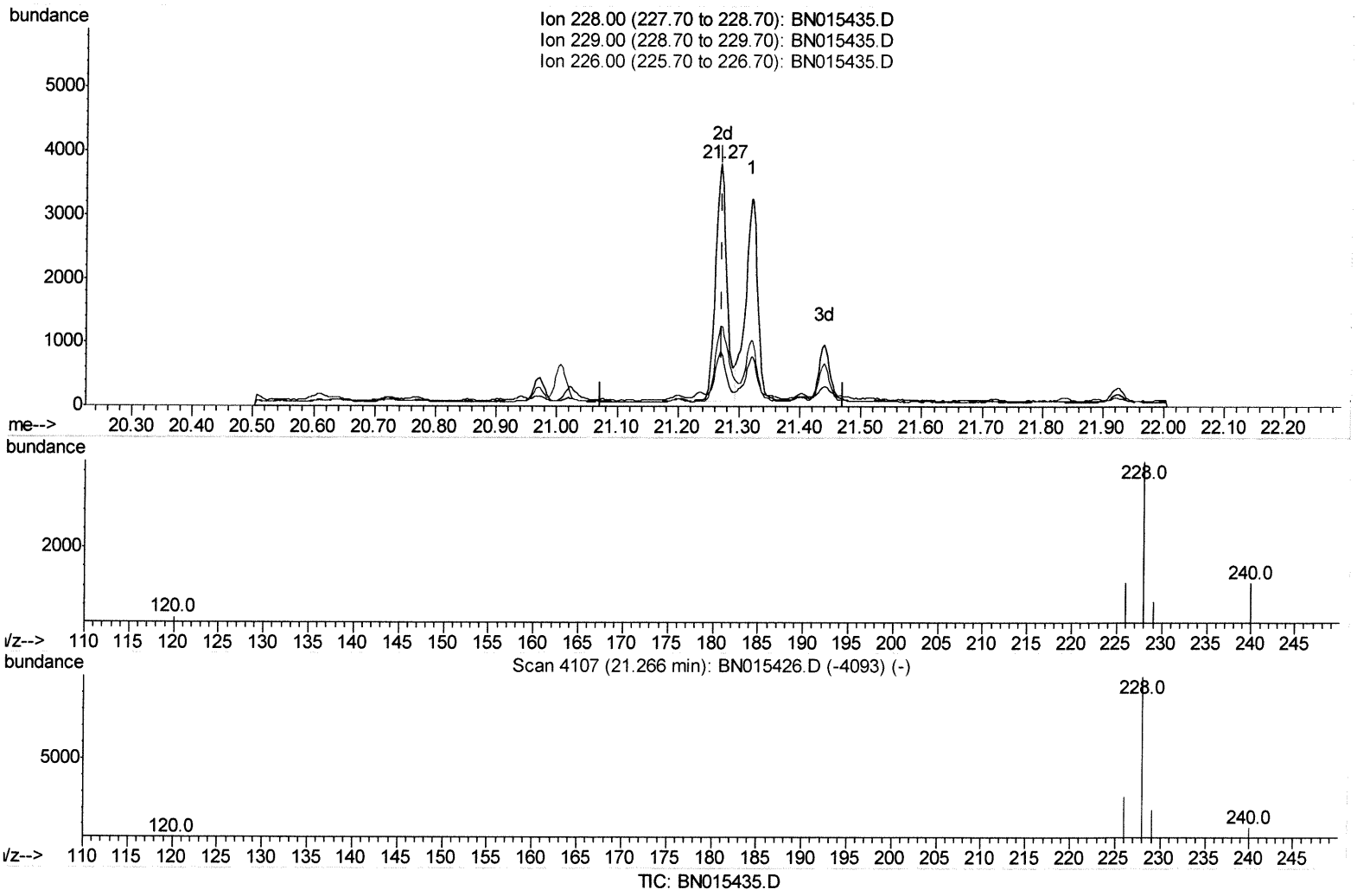


(21) Benzo(a)anthracene

21.270min (-0.002) 0.14ng/ul m 07/12/21 JU

response 4807

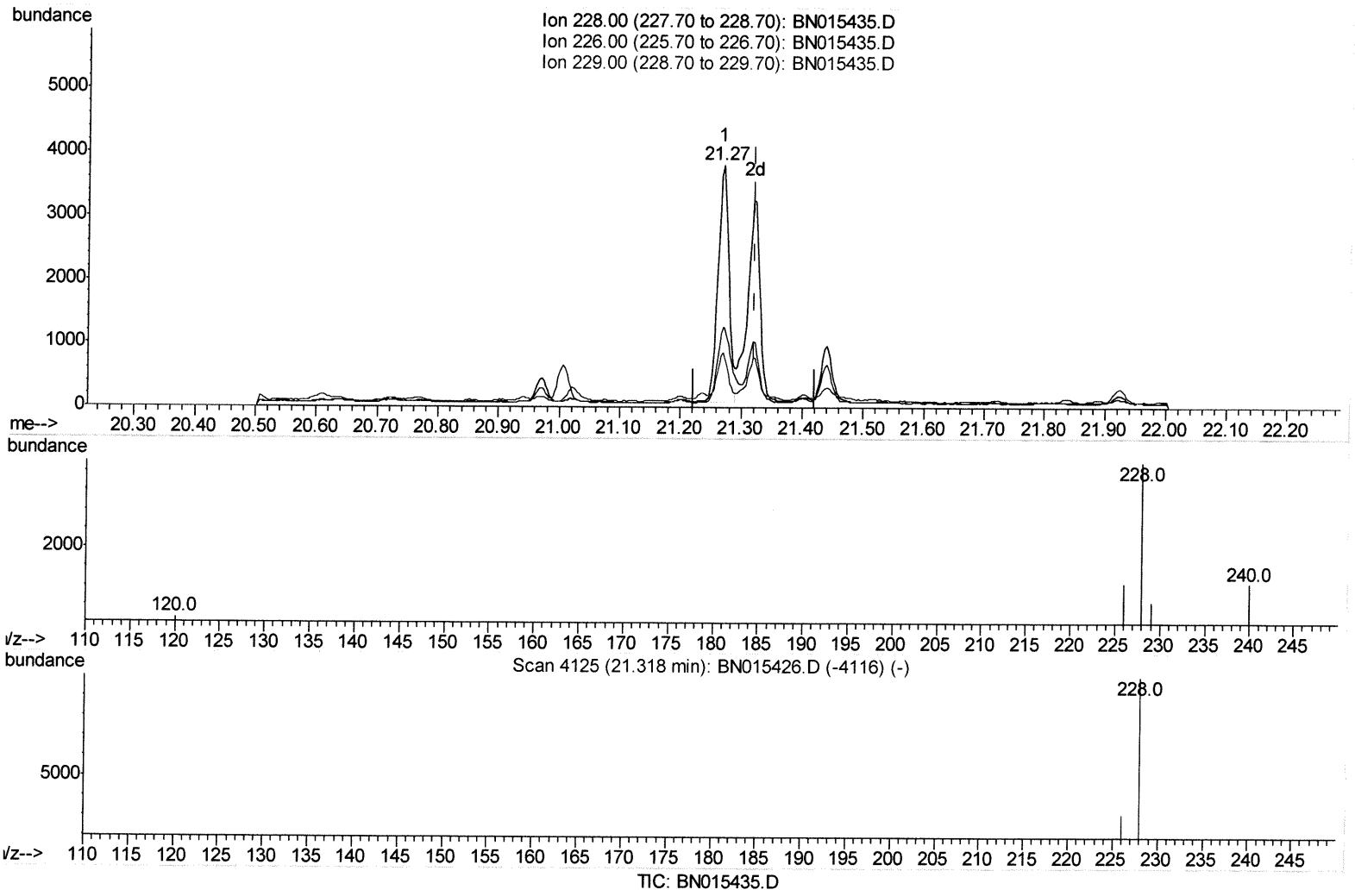
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	22.62
226.00	27.30	33.09#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:54:46 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM



(22) Chrysene

21.270min (-0.052) 0.11ng/ul

response 4679

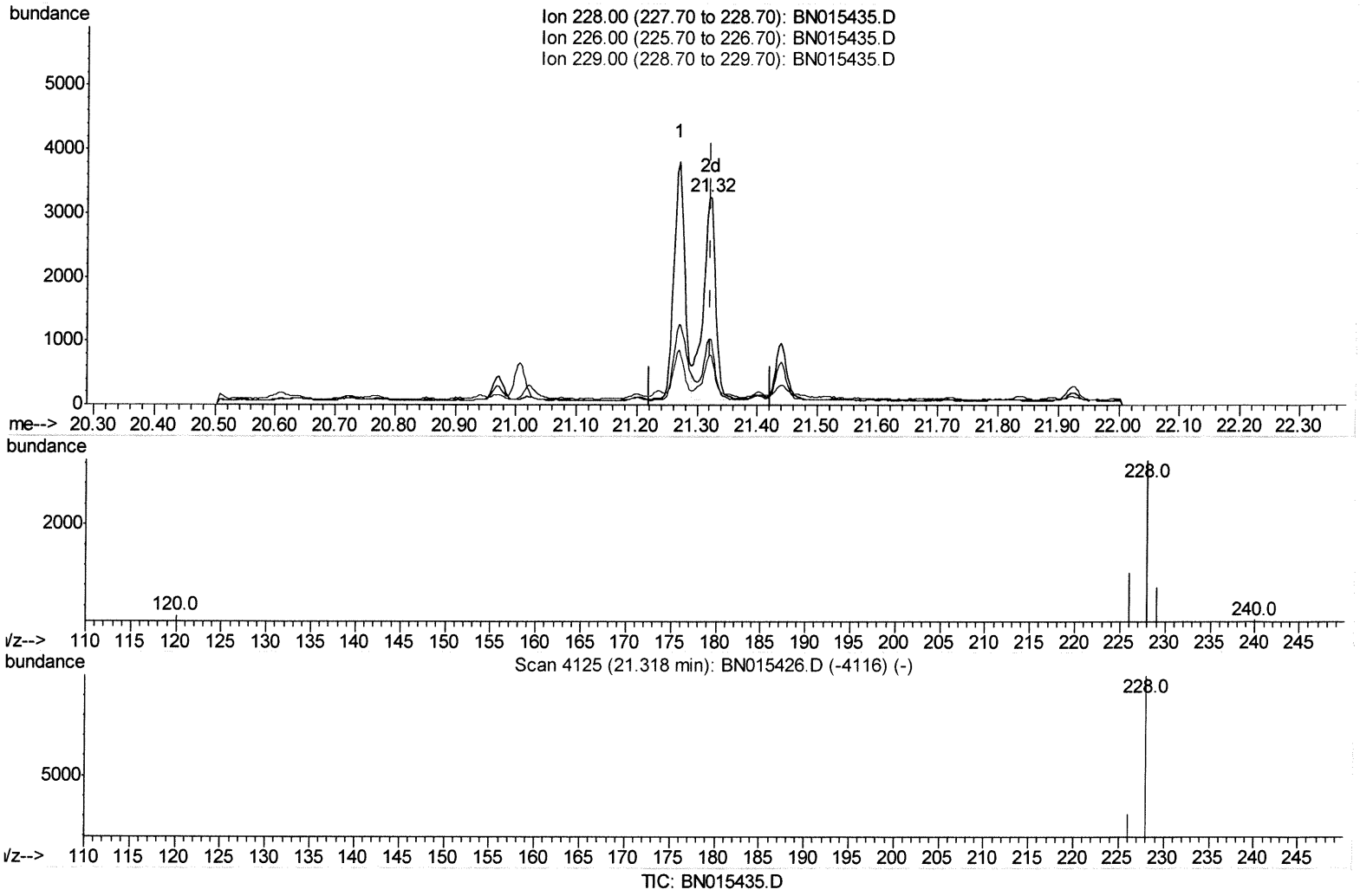
Ion	Exp%	Act%
228.00	100	100
226.00	30.80	33.09
229.00	19.60	22.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:54:46 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM



(22) Chrysene

21.319min (-0.002) 0.11ng/ul m 07/12/21 JU

response 4534

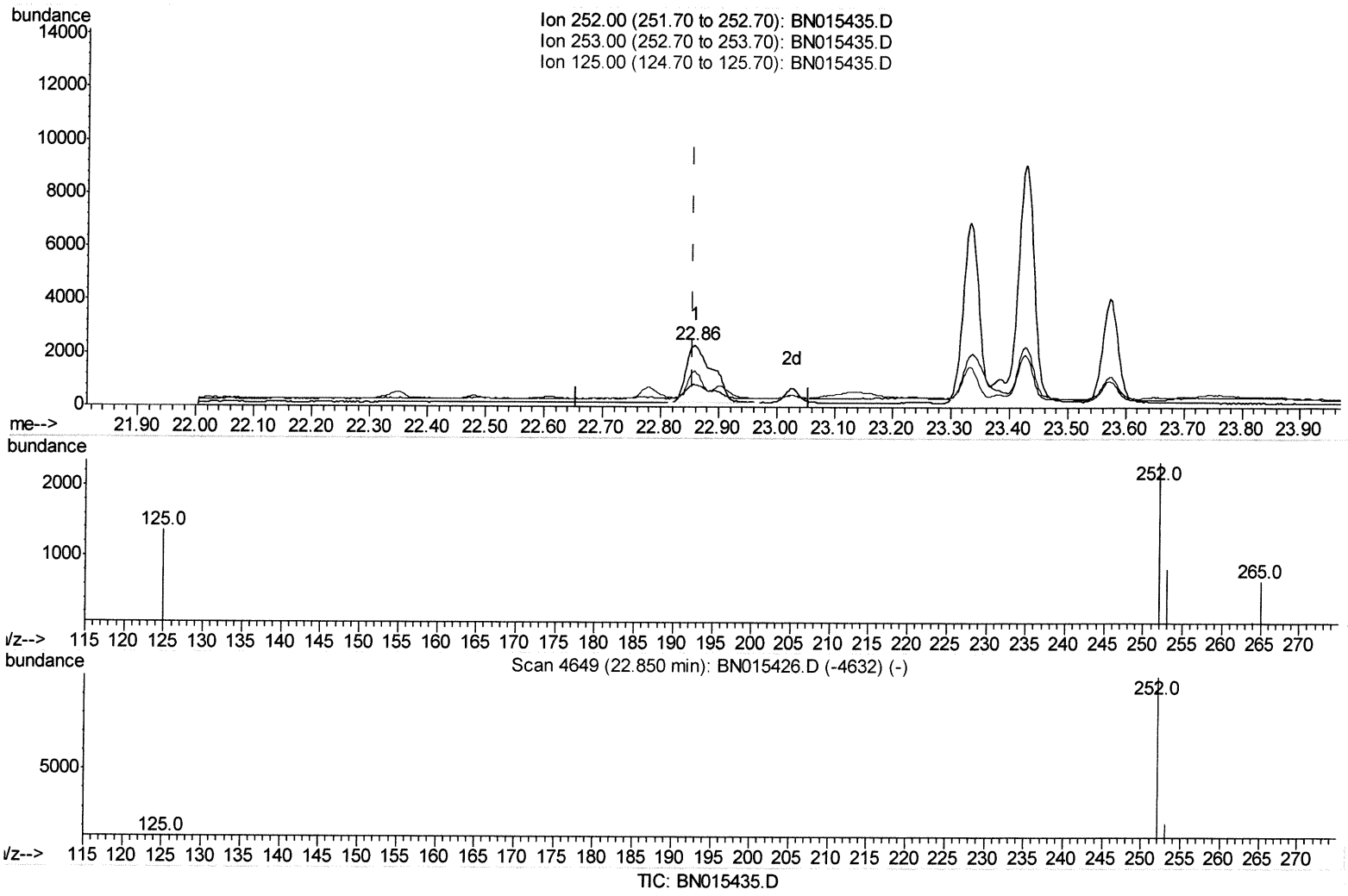
Ion	Exp%	Act%
228.00	100	100
226.00	30.80	32.11
229.00	19.60	23.65#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:55:30 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM



TIC: BN015435.D

(24) Benzo(b)fluoranthene

22.859min (+0.003) 0.16ng/ul

response 6869

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	35.28
125.00	14.20	57.97#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:55:30 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
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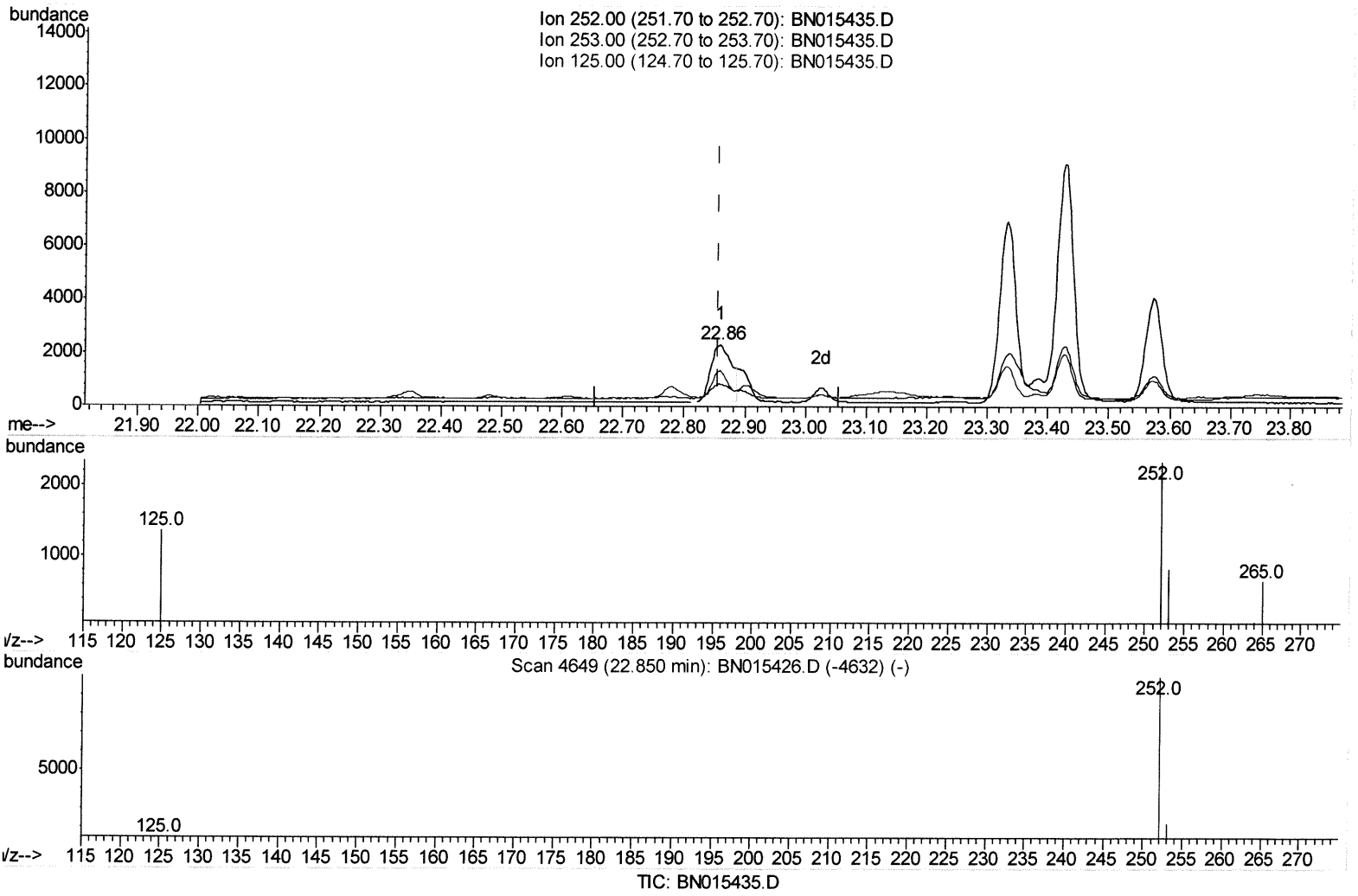


TIC: BN015435.D

(24) Benzo(b)fluoranthene

22.859min (+0.003) 0.12ng/ul m 07/12/21 JU

response 5148

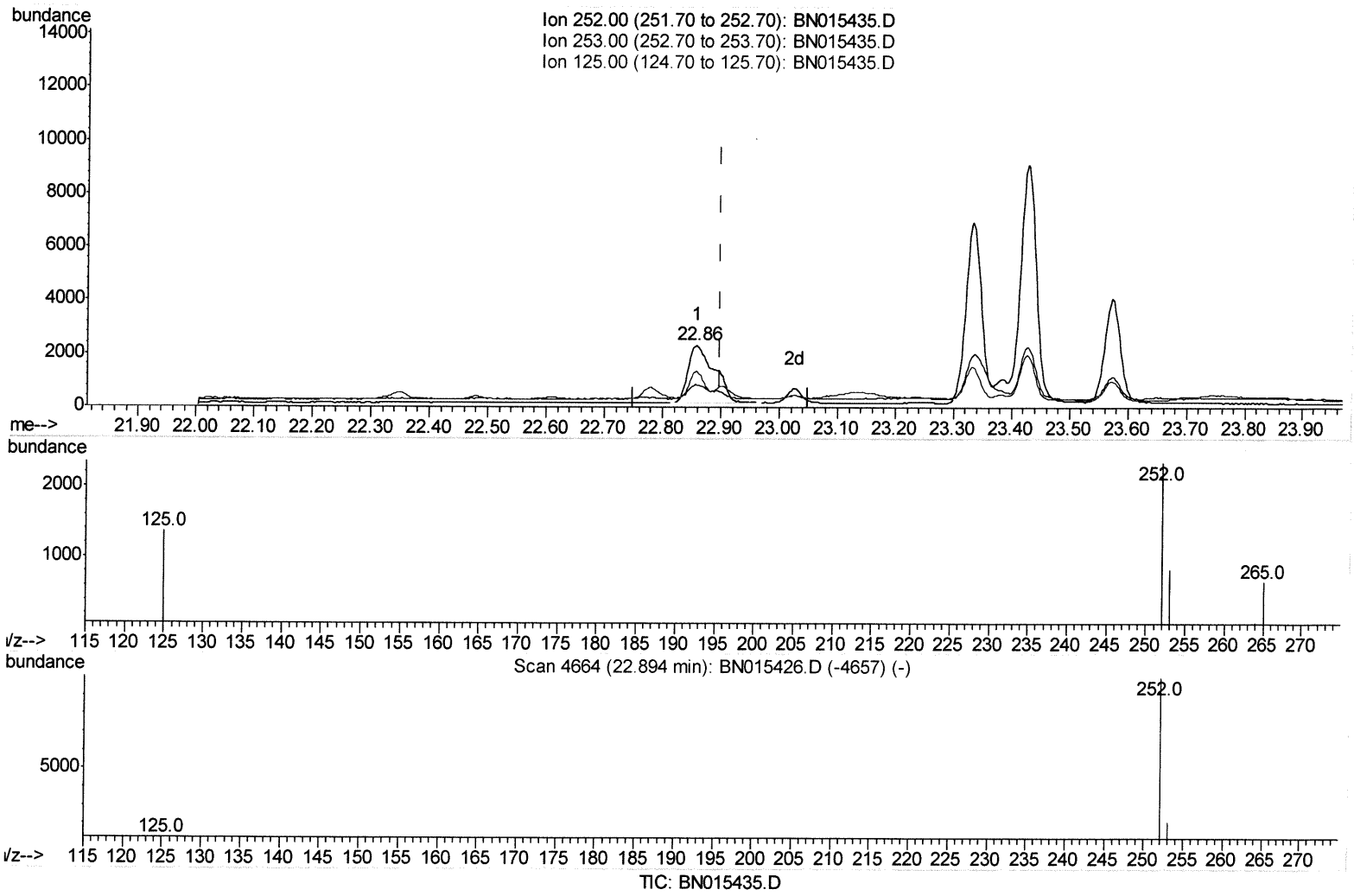
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	35.28
125.00	14.20	57.97#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:56:47 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM



TIC: BN015435.D

(25) Benzo(k)fluoranthene

22.859min (-0.040) 0.15ng/ul

response 6869

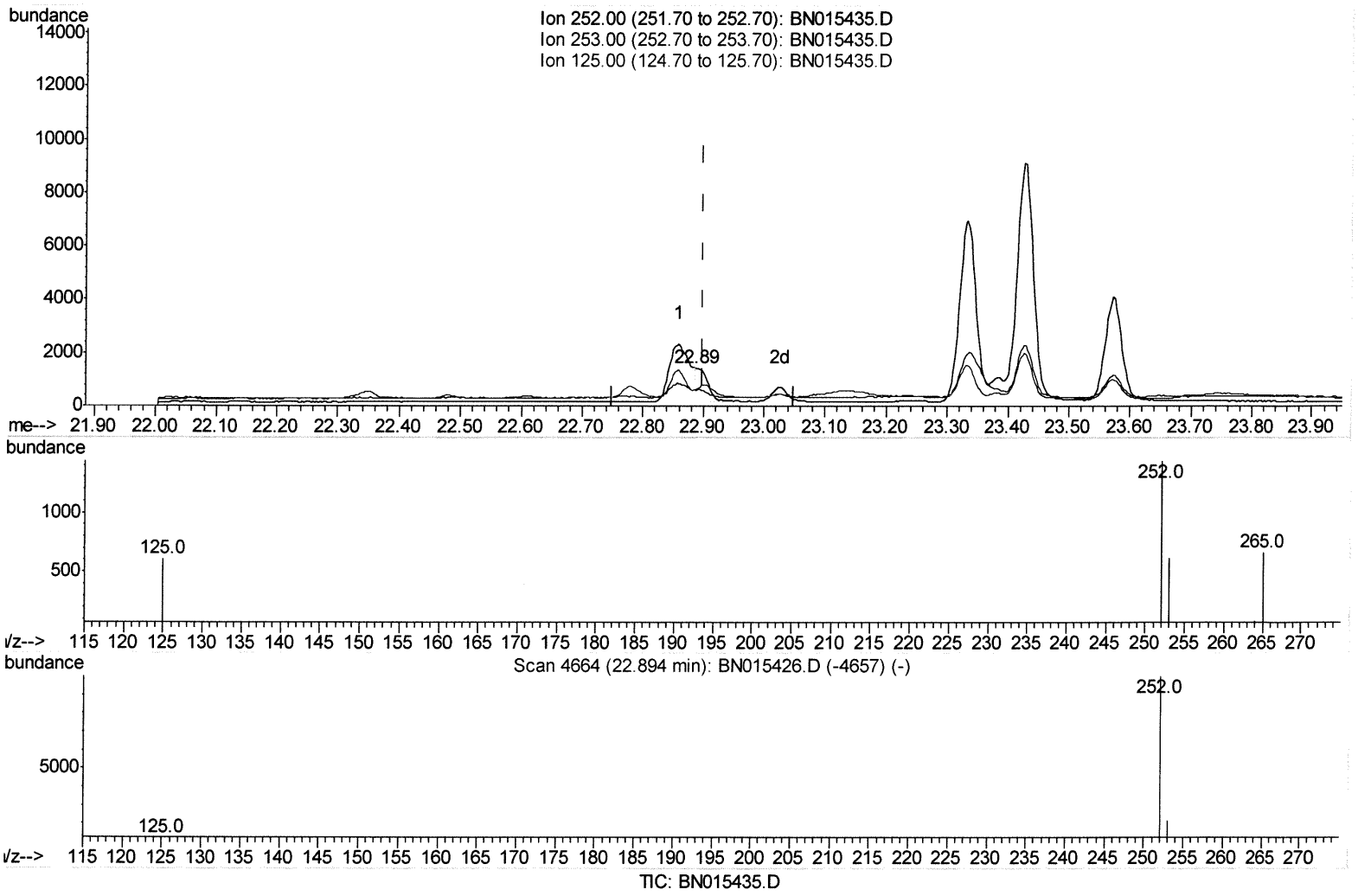
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	35.28#
125.00	14.40	57.97#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 09 08:56:47 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM



(25) Benzo(k)fluoranthene

22.886min (-0.014) 0.04ng/ul m 07/12/21JU

response 1770

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	42.44#
125.00	14.40	42.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015435.D
Acq On : 09 Jul 2021 07:52
Operator : CG/JU
Sample : M2854-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BGDS5

Manual Integrations APPROVED
mohammad
7/9/2021 3:04:38 PM

Quant Time: Jul 09 08:58:14 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 : Fri Jul 09 07:12:00 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2893	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	10124	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.34	164	5455	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.09	188	11201	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	9226	0.40	ng/ul	0.00
23) Perylene-d12	23.53	264	8975	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	7334	2.25	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.07	152	3698	0.23	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	9114	0.30	ng/ul	0.00
Target Compounds						Qvalue
11) Acenaphthene	14.40	153	2479	0.115	ng/ul	98
15) Phenanthrene	17.12	178	5531	0.136	ng/ul	96
16) Anthracene	17.22	178	5381	0.150	ng/ul	96
19) Fluoranthene	19.15	202	8970	0.210	ng/ul	97
20) Pyrene	19.51	202	17812	0.417	ng/ul	97
21) Benzo(a)anthracene	21.27	228	4807m	0.141	ng/ul	
22) Chrysene	21.32	228	4534m	0.111	ng/ul	
24) Benzo(b)fluoranthene	22.86	252	5148m	0.123	ng/ul	
25) Benzo(k)fluoranthene	22.89	252	1770m	0.037	ng/ul	
26) Benzo(a)pyrene	23.43	252	16773	0.476	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.77	276	5649	0.133	ng/ul#	89
29) Benzo(g,h,i)perylene	26.46	276	5571	0.141	ng/ul	92

07/12/21 JU

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