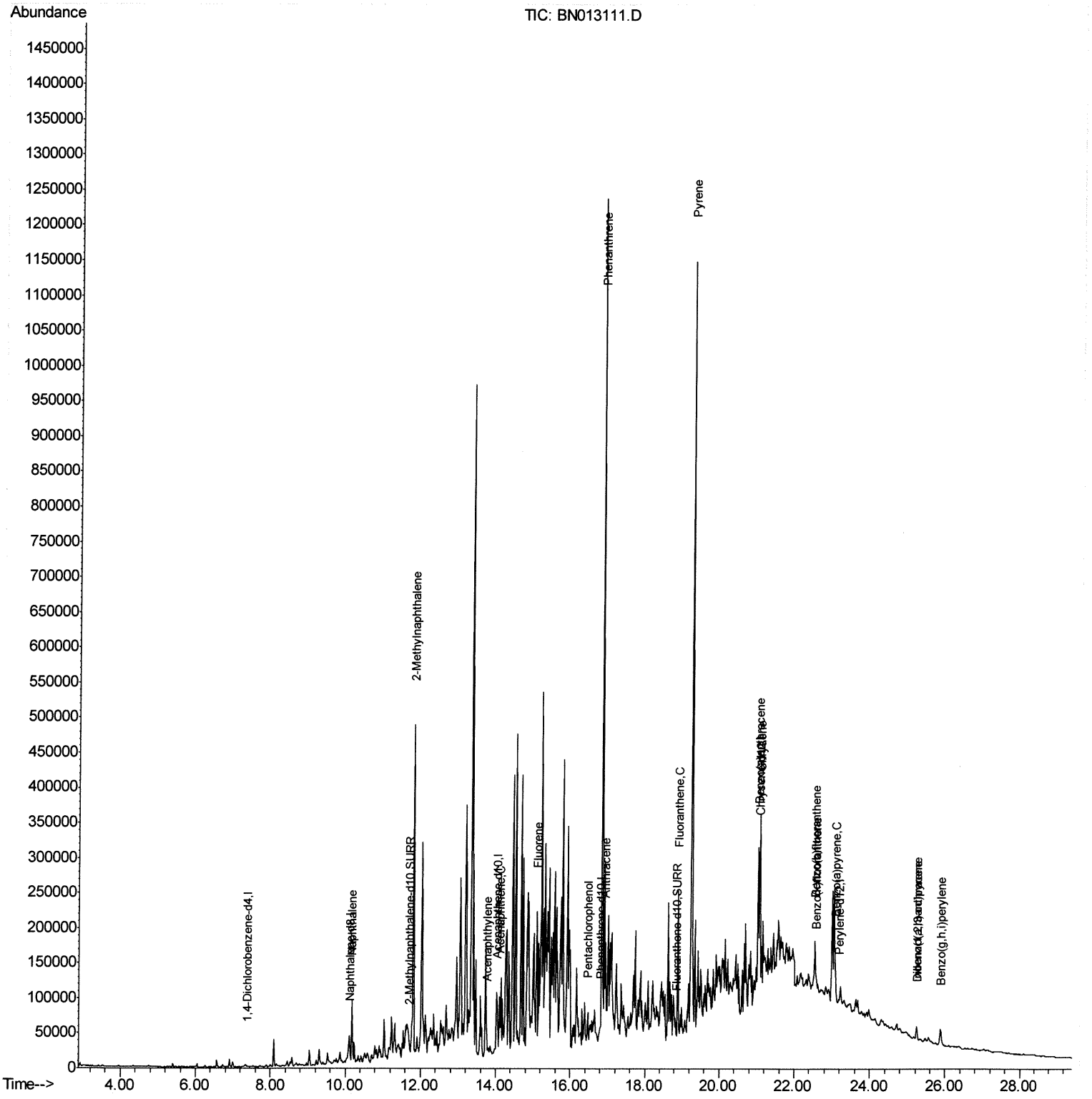
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013111.D
Acq On : 14 Dec 2020 11:53
Operator : CG/JU
Sample : L5063-08RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 12:24:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 11:29:45 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AE0RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:26 PM

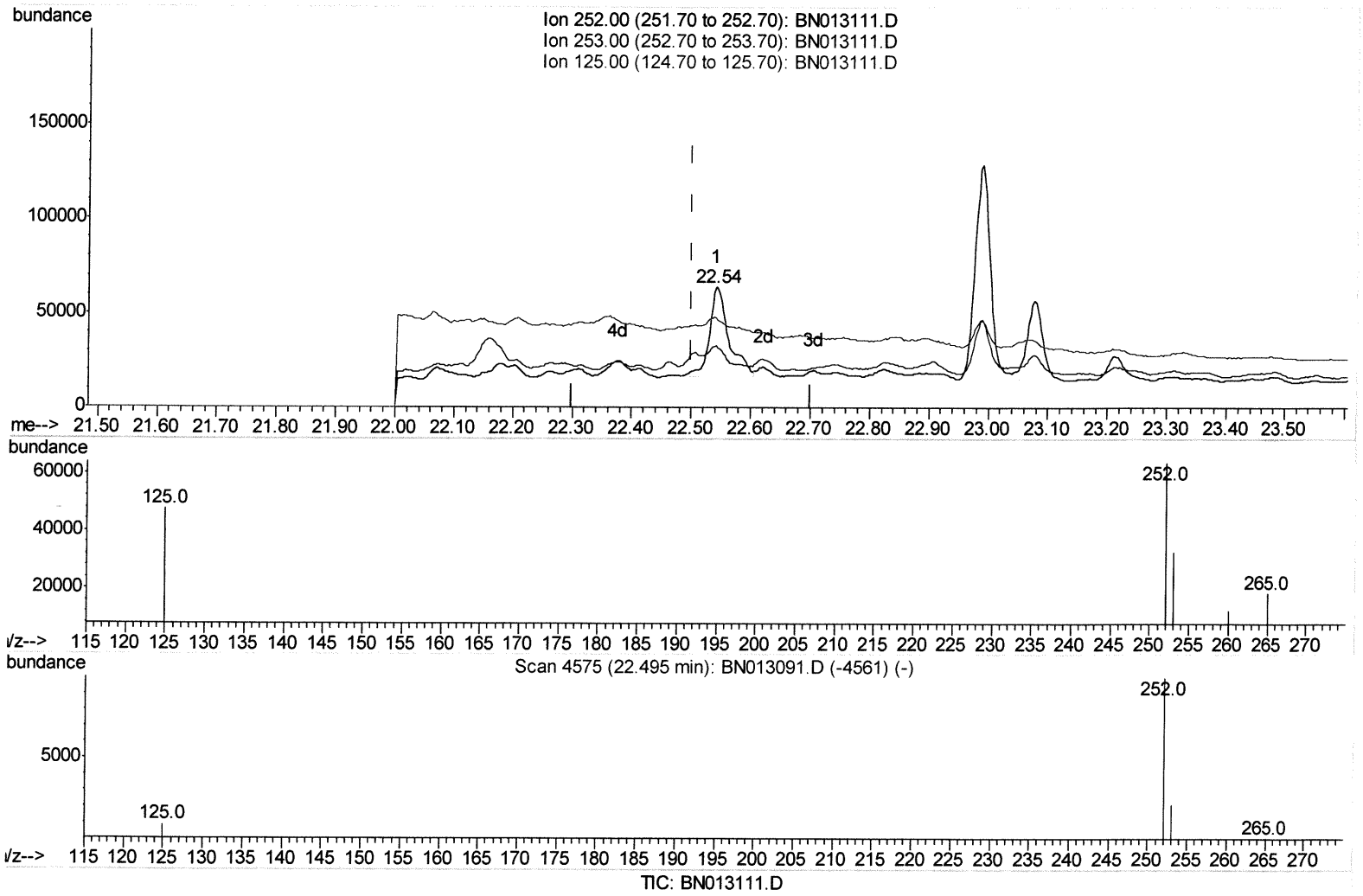


Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013111.D
Acq On : 14 Dec 2020 11:53
Operator : CG/JU
Sample : L5063-08RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 12:22:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 11:29:45 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AE0RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:26 PM



(21) Benzo(b)fluoranthene

22.542min (+0.041) 4.53ng/ul

response 109461

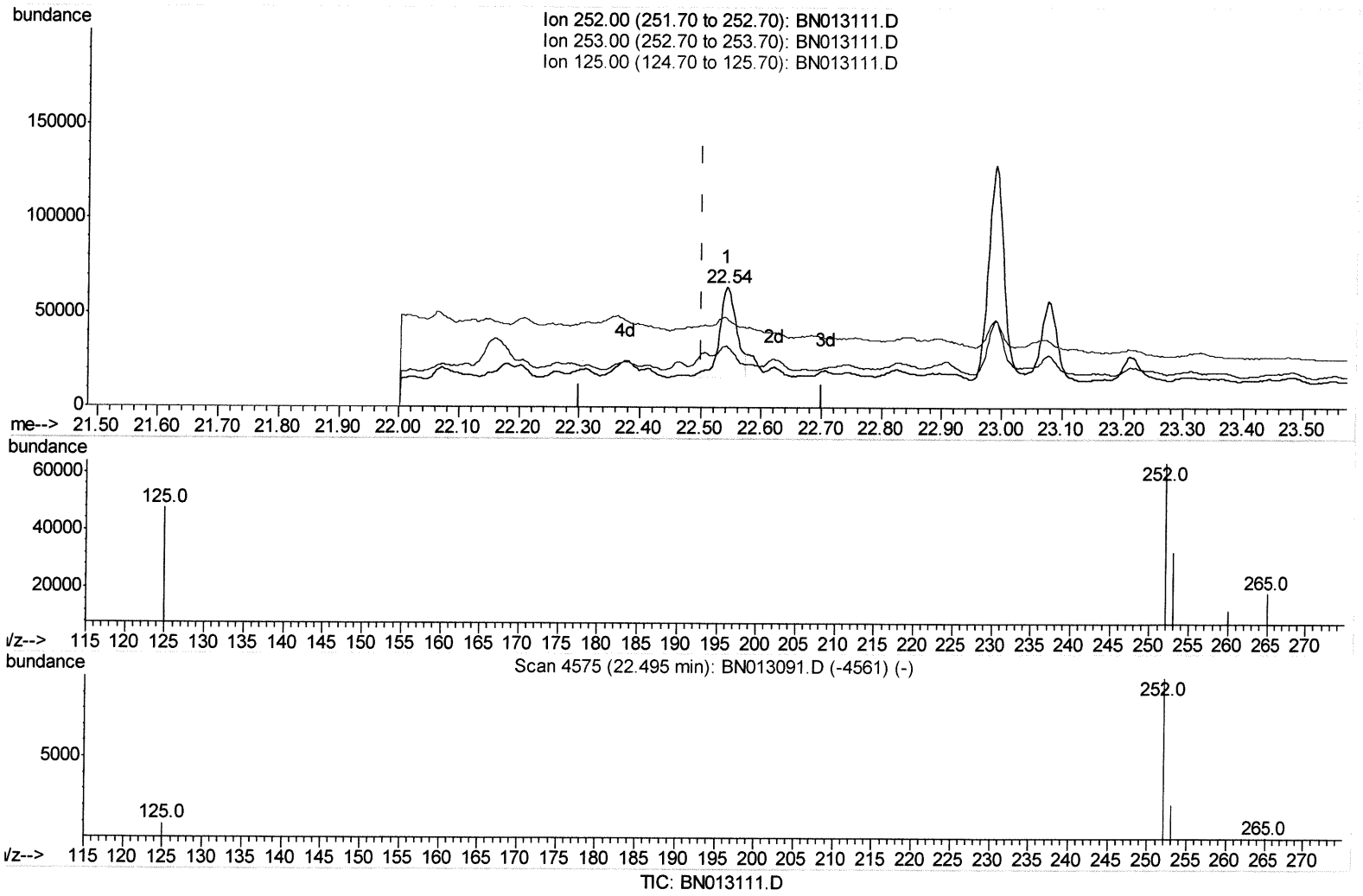
Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.50
125.00	13.00	74.70#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013111.D
Acq On : 14 Dec 2020 11:53
Operator : CG/JU
Sample : L5063-08RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 12:22:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 11:29:45 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AE0RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:26 PM



(21) Benzo(b)fluoranthene

22.542min (+0.041) 3.99ng/ul m JU 12/28/20

response 96228

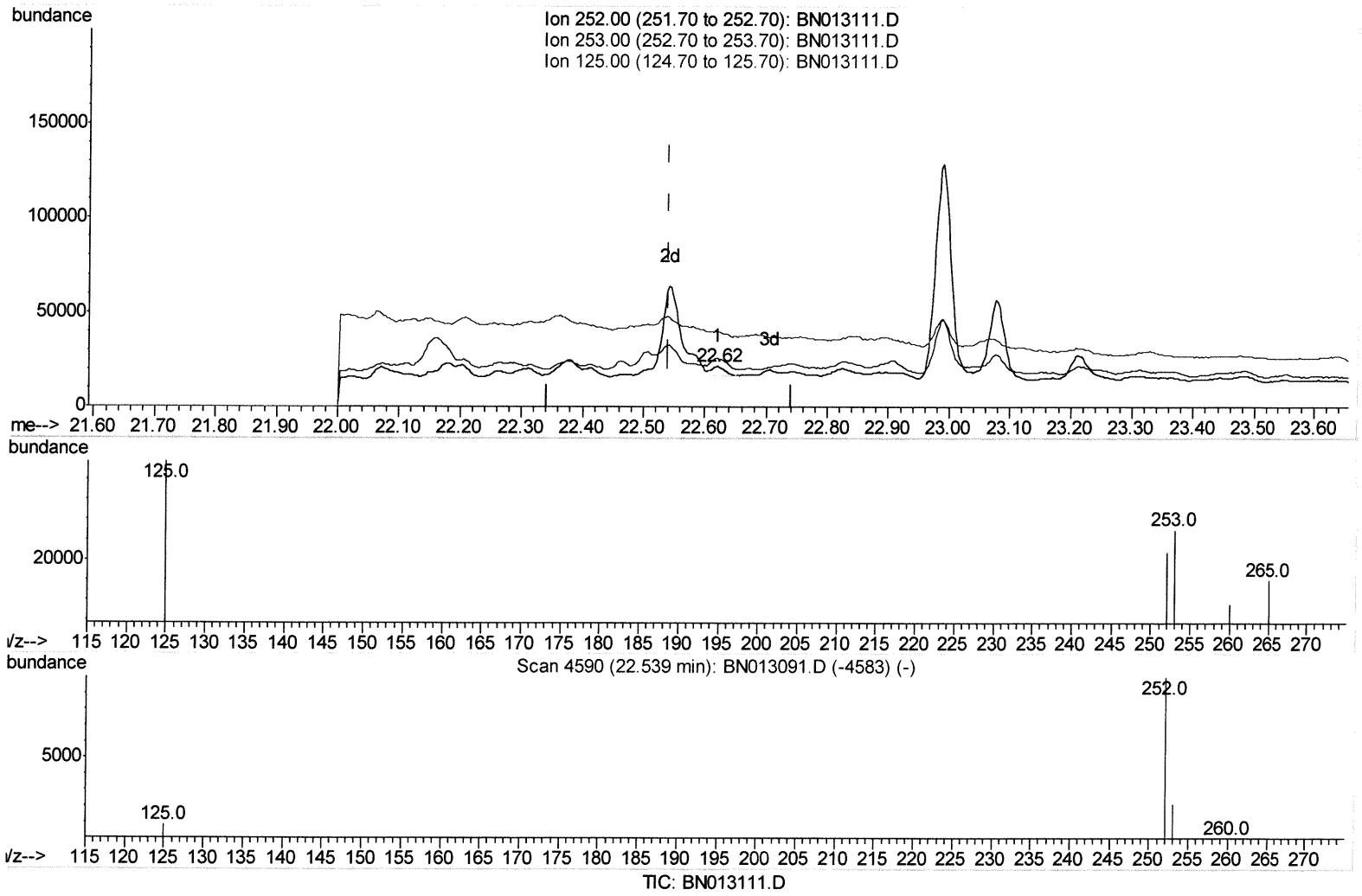
Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.50
125.00	13.00	74.70#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013111.D
Acq On : 14 Dec 2020 11:53
Operator : CG/JU
Sample : L5063-08RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 12:22:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 11:29:45 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AE0RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:26 PM



(22) Benzo(k)fluoranthene

22.621min (+0.079) 0.28ng/ul

response 7364

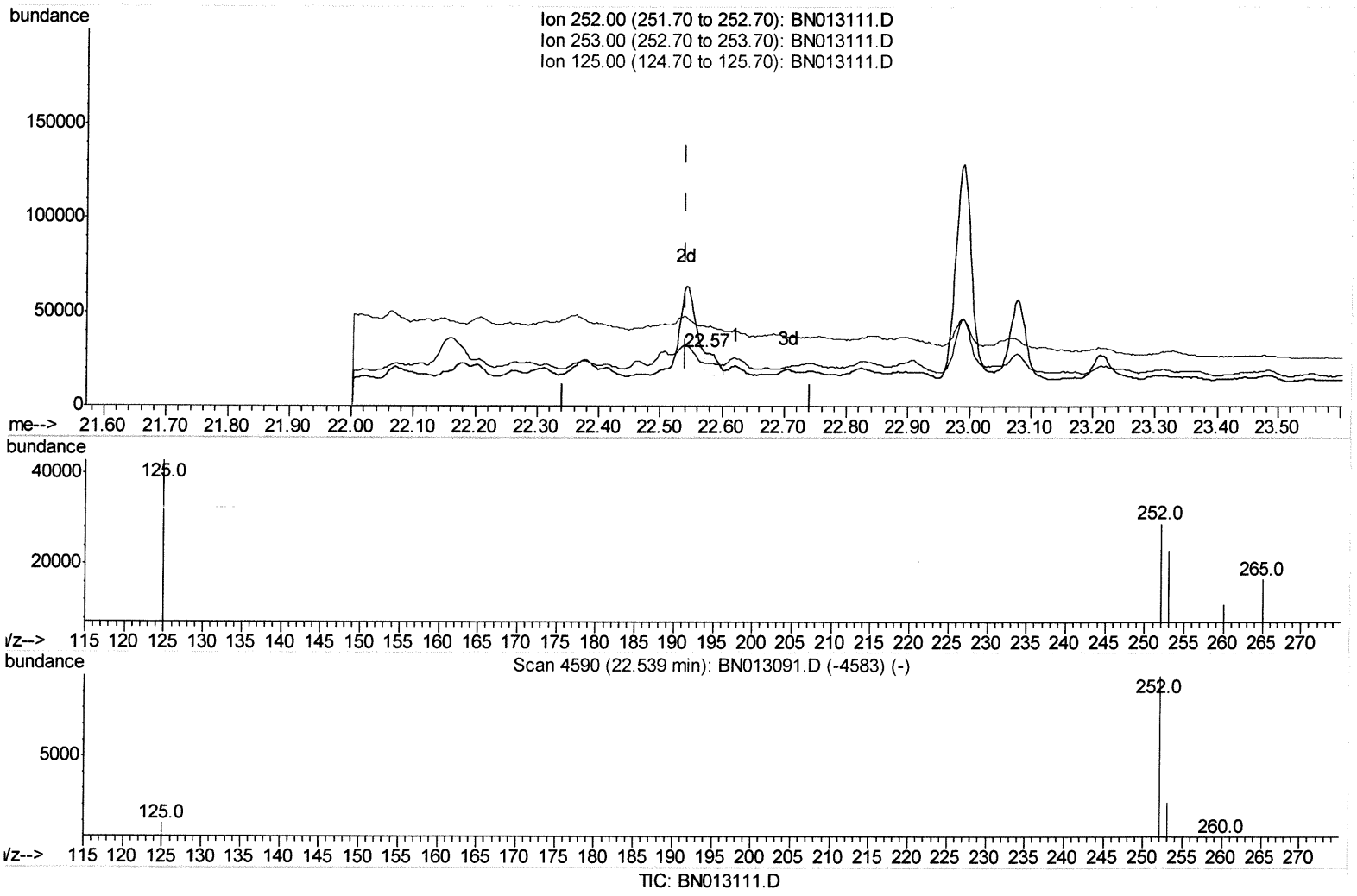
Ion	Exp%	Act%
252.00	100	100
253.00	29.30	121.07#
125.00	13.90	184.52#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013111.D
Acq On : 14 Dec 2020 11:53
Operator : CG/JU
Sample : L5063-08RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 12:22:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 11:29:45 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AE0RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:26 PM



TIC: BN013111.D

(22) Benzo(k)fluoranthene

22.571min (+0.029) 0.59ng/ul m JU 12/28/20

response 15797

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	79.75#
125.00	13.90	147.92#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013111.D
Acq On : 14 Dec 2020 11:53
Operator : CG/JU
Sample : L5063-08RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AE0RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:26 PM

Quant Time: Dec 14 12:24:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
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QLast Update : Mon Dec 14 11:29:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1106	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	4407	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.04	164	11423	0.40	ng/ul	0.01
10) Phenanthrene-d10	16.81	188	5679	0.40	ng/ul	0.02
16) Chrysene-d12	21.05	240	10787	0.40	ng/ul	0.03
20) Perylene-d12	23.17	264	5218	0.40	ng/ul	0.05
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	3097	0.47	ng/ul	-0.01
14) Fluoranthene-d10	18.86	212	4957	0.32	ng/ul	0.02
Target Compounds						Qvalue
3) Naphthalene	10.18	128	96771	7.589	ng/ul	95
5) 2-Methylnaphthalene	11.81	142	320215	38.226	ng/ul	99
7) Acenaphthylene	13.76	152	20715	0.383	ng/ul#	1
8) Acenaphthene	14.10	153	42720	0.963	ng/ul	91
9) Fluorene	15.11	166	67725	1.331	ng/ul#	83
11) Pentachlorophenol	16.48	266	200	0.122	ng/ul#	65
12) Phenanthrene	16.85	178	1174993	61.709	ng/ul	98
13) Anthracene	16.94	178	109000	6.726	ng/ul#	89
15) Fluoranthene	18.89	202	171336	7.572	ng/ul	92
17) Pyrene	19.26	202	958430	18.811	ng/ul	99
18) Benzo(a)anthracene	21.03	228	138500	3.103	ng/ul#	39
19) Chrysene	21.08	228	180605	3.663	ng/ul#	75
21) Benzo(b)fluoranthene	22.54	252	96228m	3.986	ng/ul	
22) Benzo(k)fluoranthene	22.57	252	15797m	0.592	ng/ul	
23) Benzo(a)pyrene	23.08	252	78869	3.521	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	25.24	276	26452	0.899	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.23	278	13441	0.578	ng/ul#	1
26) Benzo(g,h,i)perylene	25.88	276	46296	1.740	ng/ul#	69

12/28/20

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