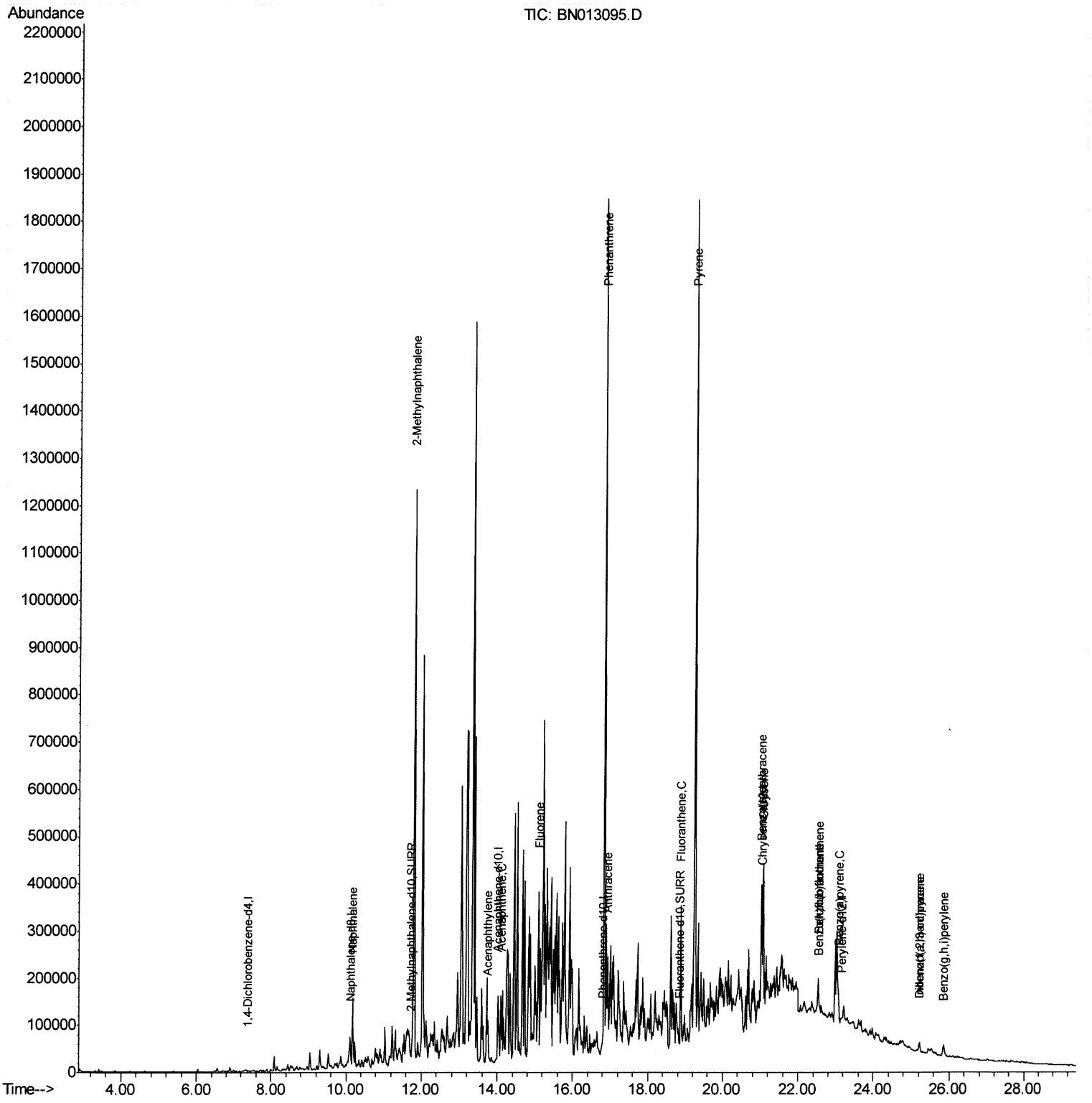
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:20:04 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM

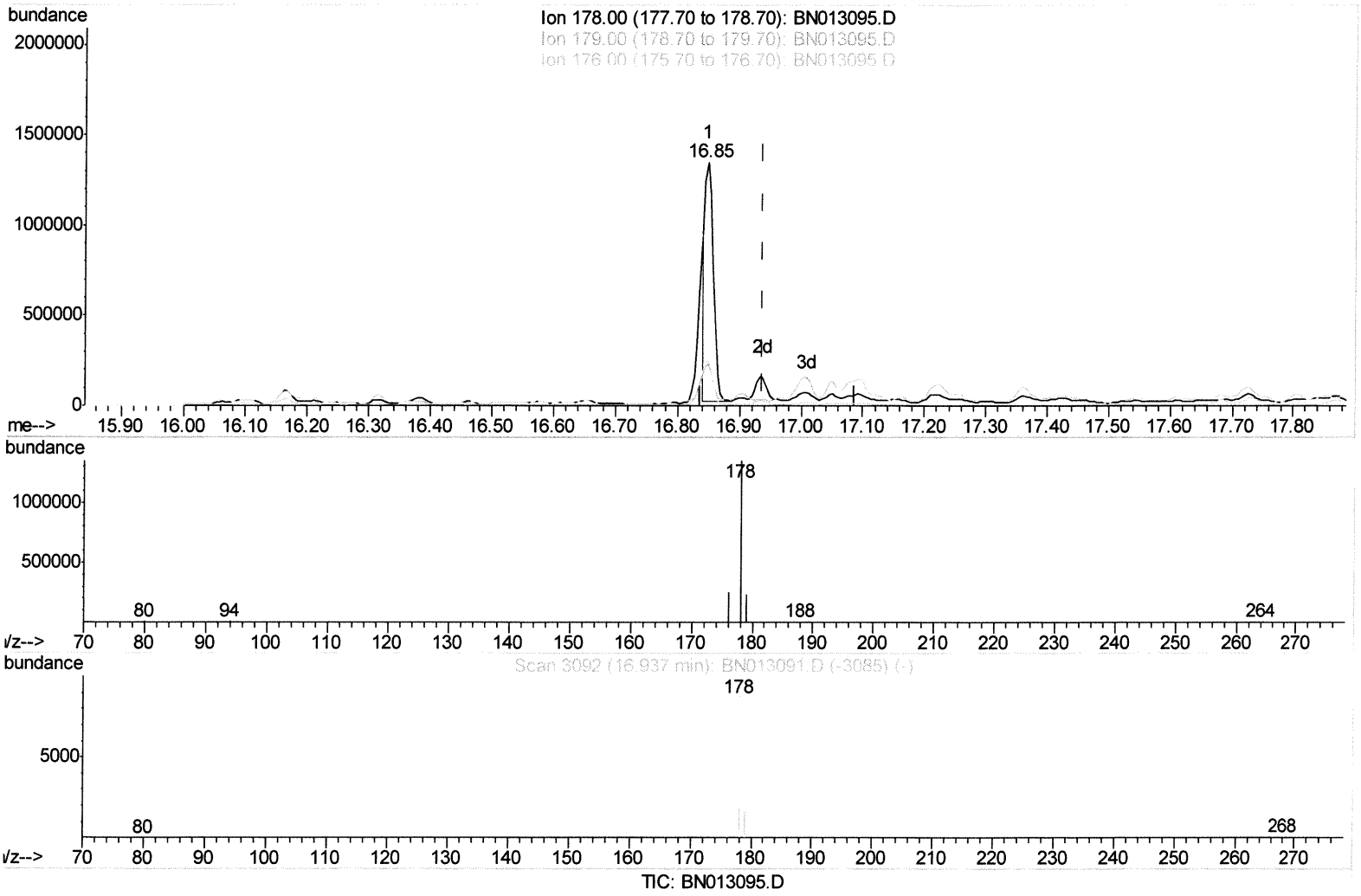


Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:12:46 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



TIC: BN013095.D

(13) Anthracene

16.848min (-0.089) 88.86ng/ul

response 1255185

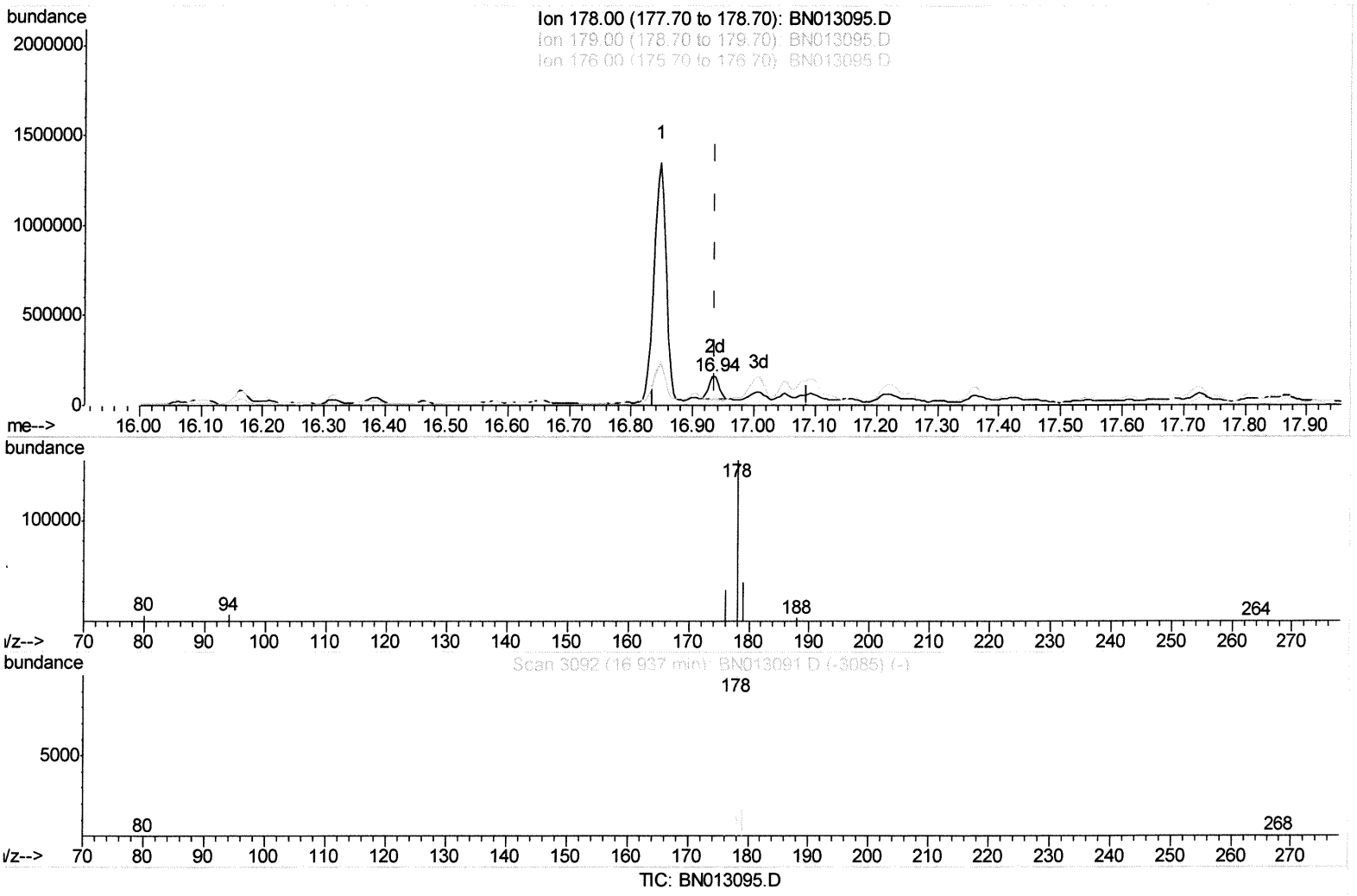
Ion	Exp%	Act%
178.00	100	100
179.00	18.20	17.11
176.00	21.40	18.77
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:12:46 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



(13) Anthracene

16.937min (-0.000) 10.54ng/ul m JJ 12/28/20

response 148944

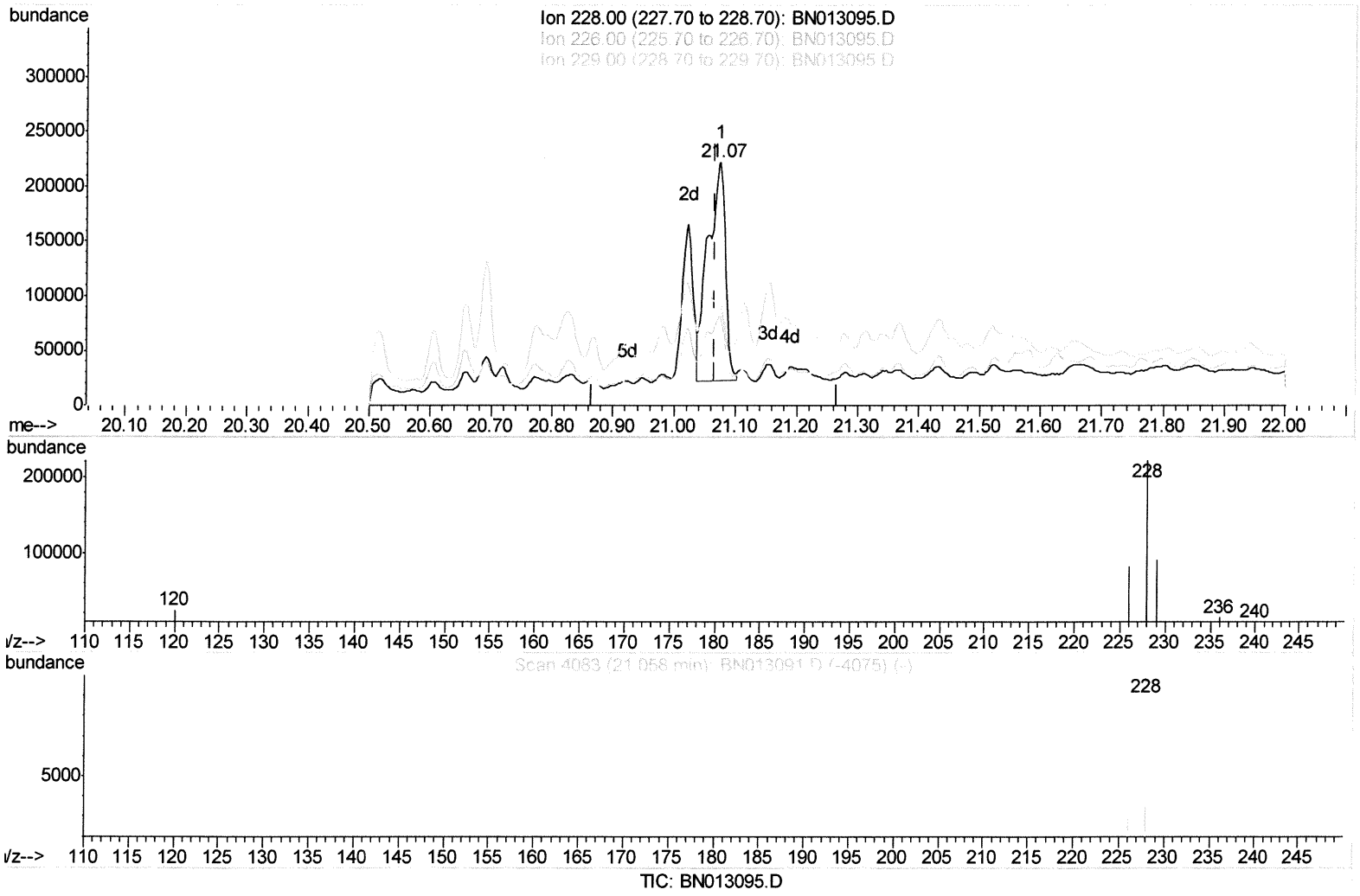
Ion	Exp%	Act%
178.00	100	100
179.00	18.20	24.23#
176.00	21.40	19.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:14:16 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



(19) Chrysene

21.075min (+0.008) 8.95ng/ul

response 395160

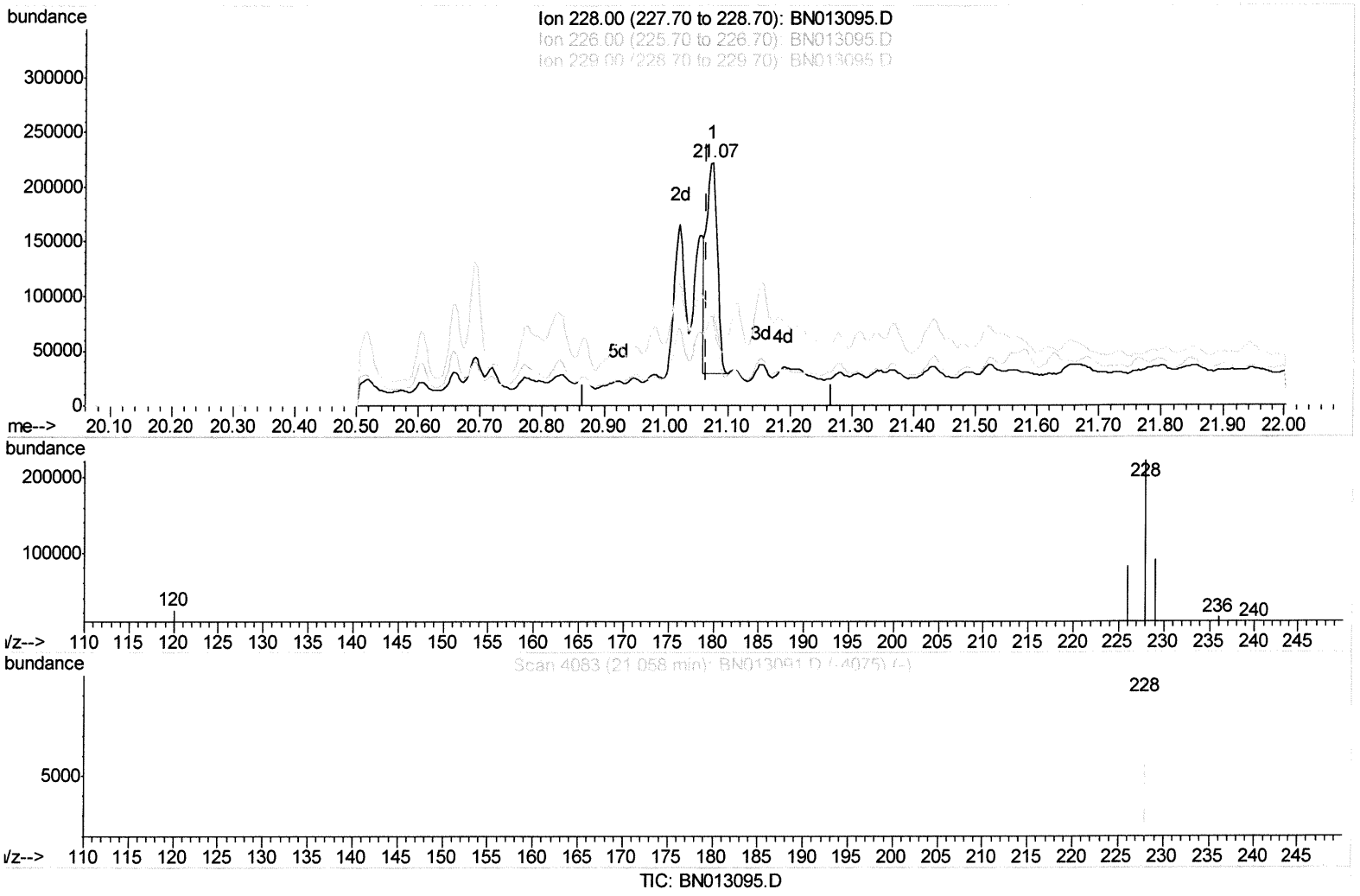
Ion	Exp%	Act%
228.00	100	100
226.00	31.30	36.80
229.00	20.50	41.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:14:16 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



(19) Chrysene

21.075min (+0.008) 5.25ng/ul m

response 231631

JG 12/28/20

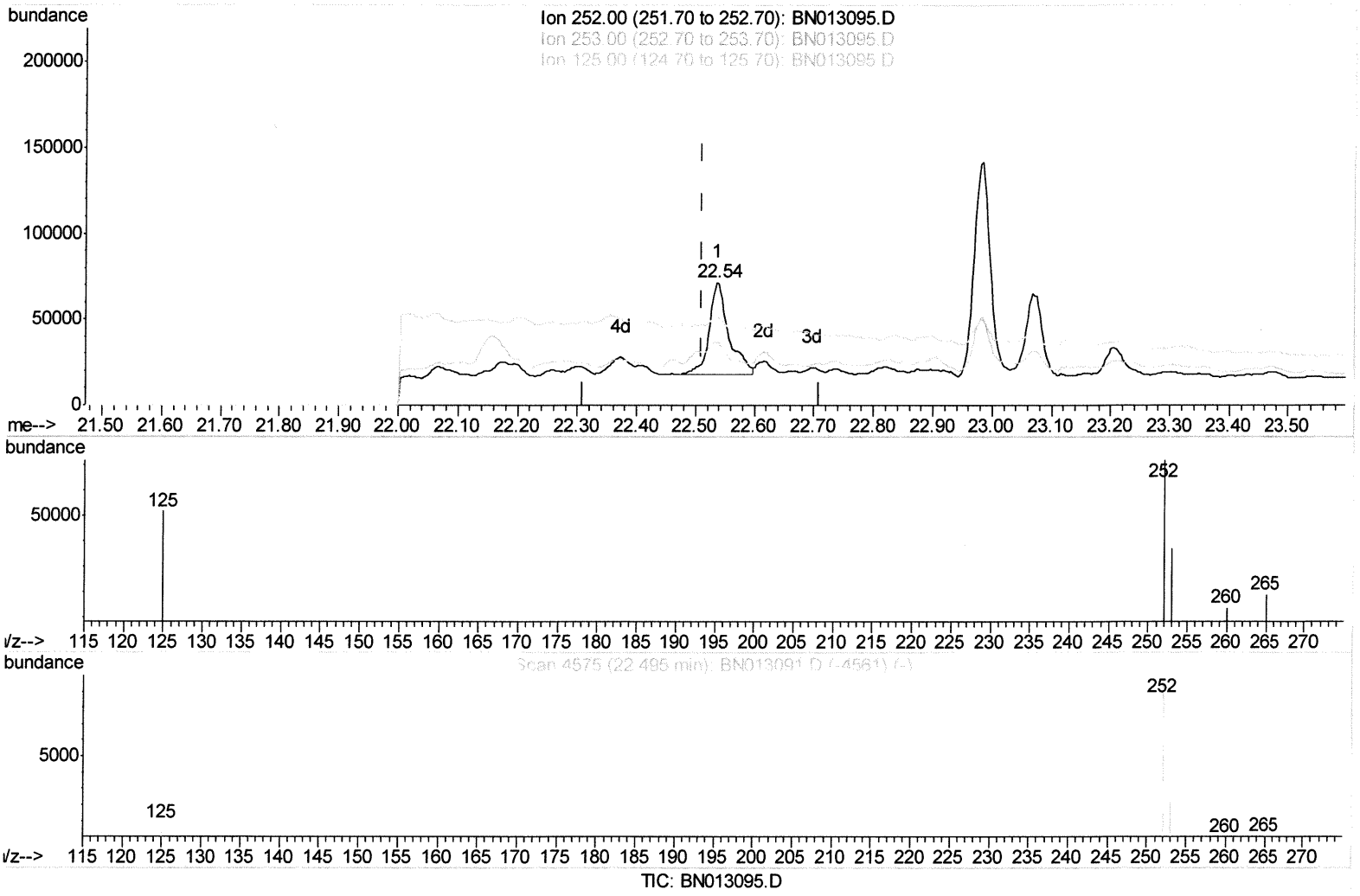
Ion	Exp%	Act%
228.00	100	100
226.00	31.30	36.80
229.00	20.50	41.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:14:16 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



TIC: BN013095.D

(21) Benzo(b)fluoranthene

22.536min (+0.026) 5.10ng/ul

response 126343

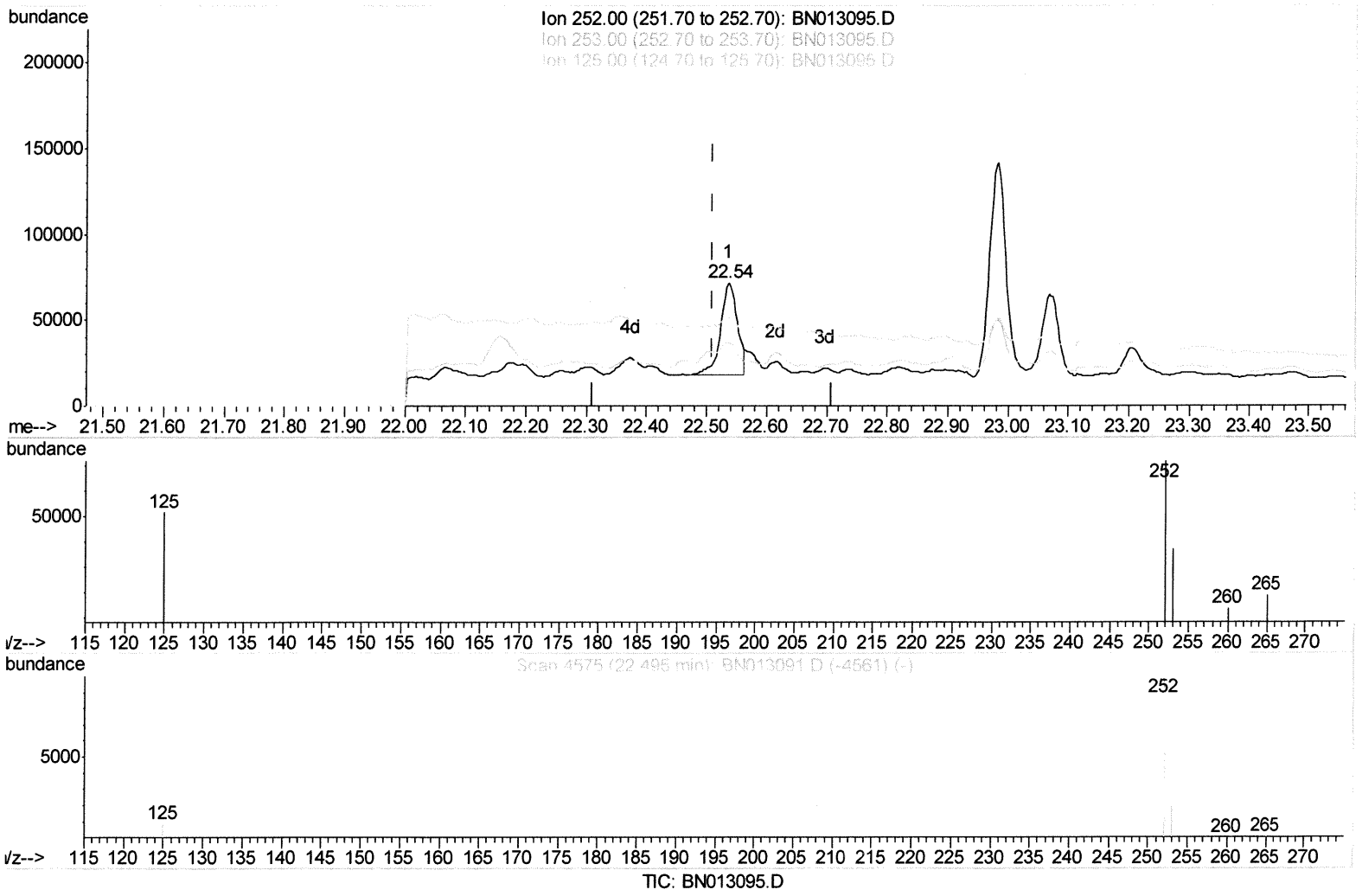
Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.22
125.00	13.00	71.82#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:17:34 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



TIC: BN013095.D

(21) Benzo(b)fluoranthene

22.536min (+0.026) 4.28ng/ul m JH 12/28/20

response 106143

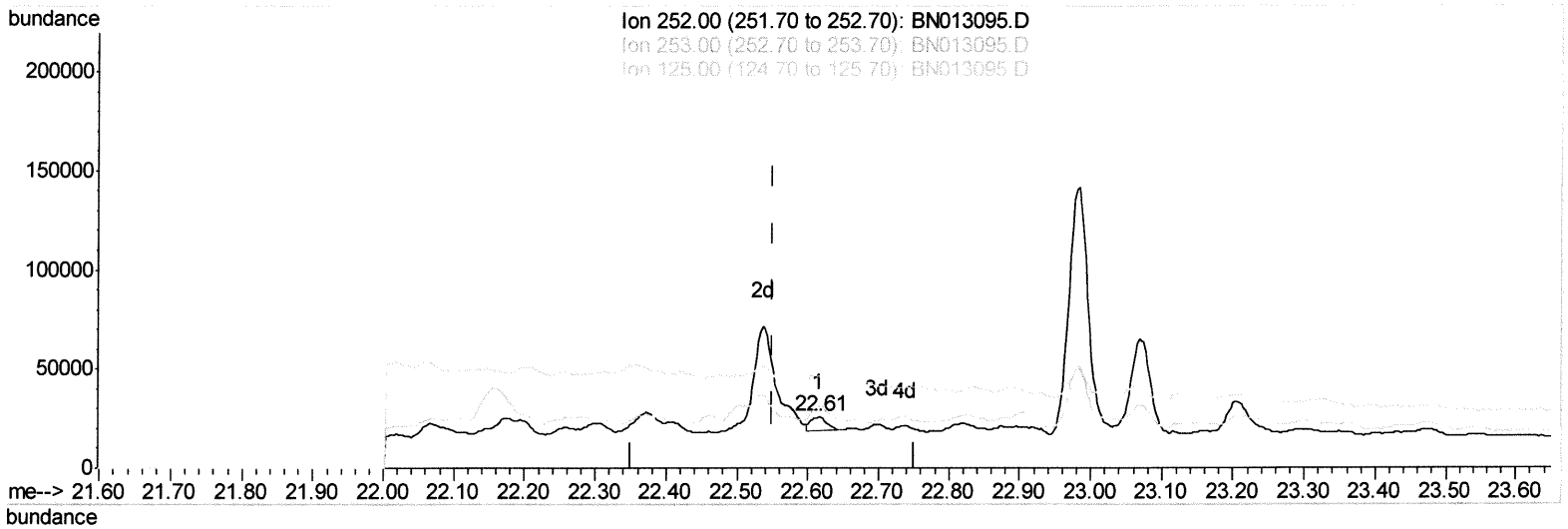
Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.22
125.00	13.00	71.82#
0.00	0.00	0.00

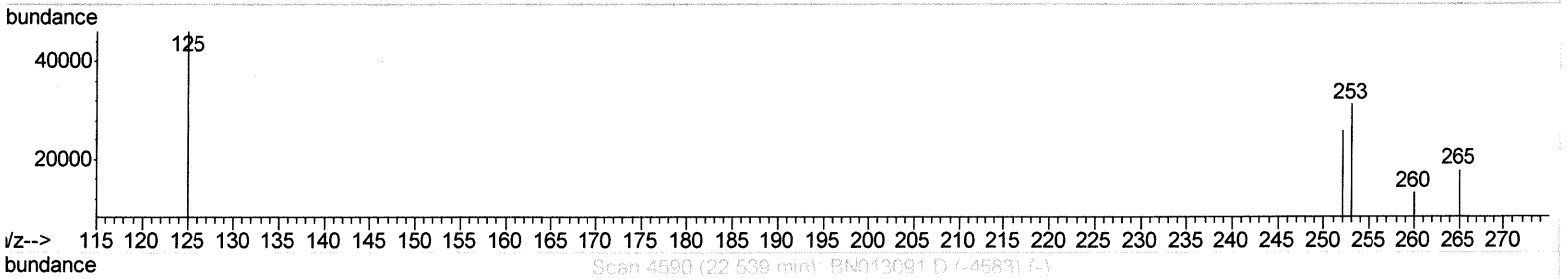
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

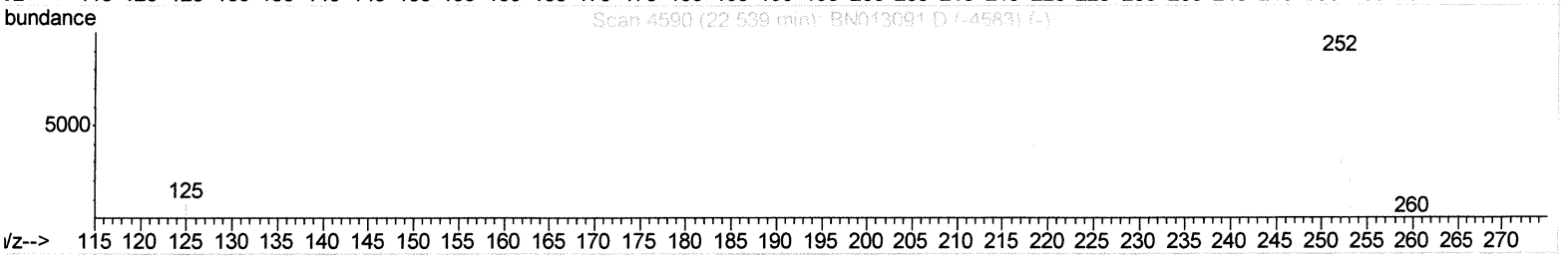
Quant Time: Dec 14 01:17:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM







TIC: BN013095.D

(22) Benzo(k)fluoranthene

22.615min (+0.064) 0.39ng/ul

response 10578

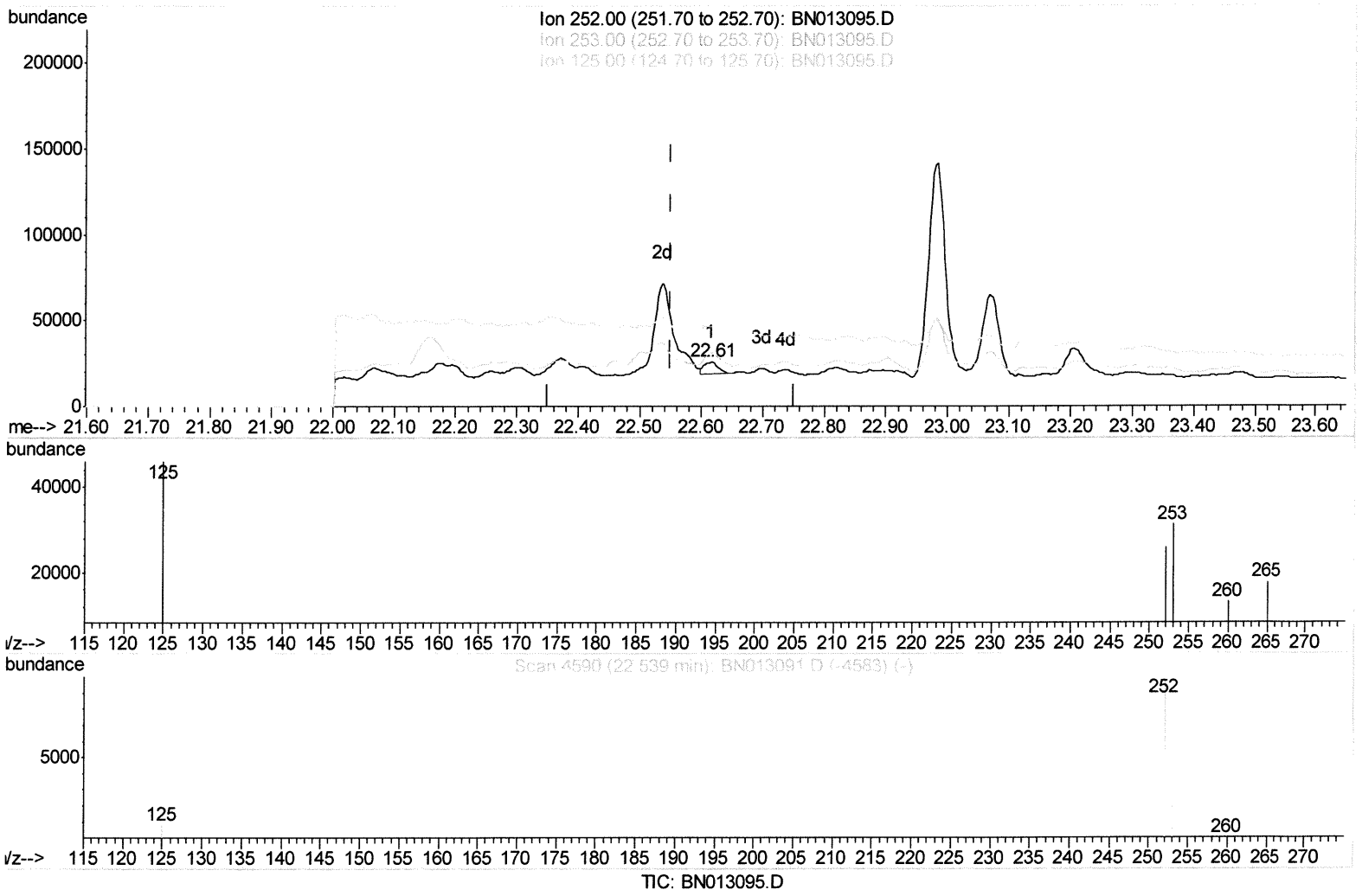
Ion	Exp%	Act%
252.00	100	100
253.00	29.30	121.28#
125.00	13.90	178.41#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:18:35 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



(22) Benzo(k)fluoranthene

22.615min (+0.064) 0.39ng/ul JG 12/18/20

response 10578

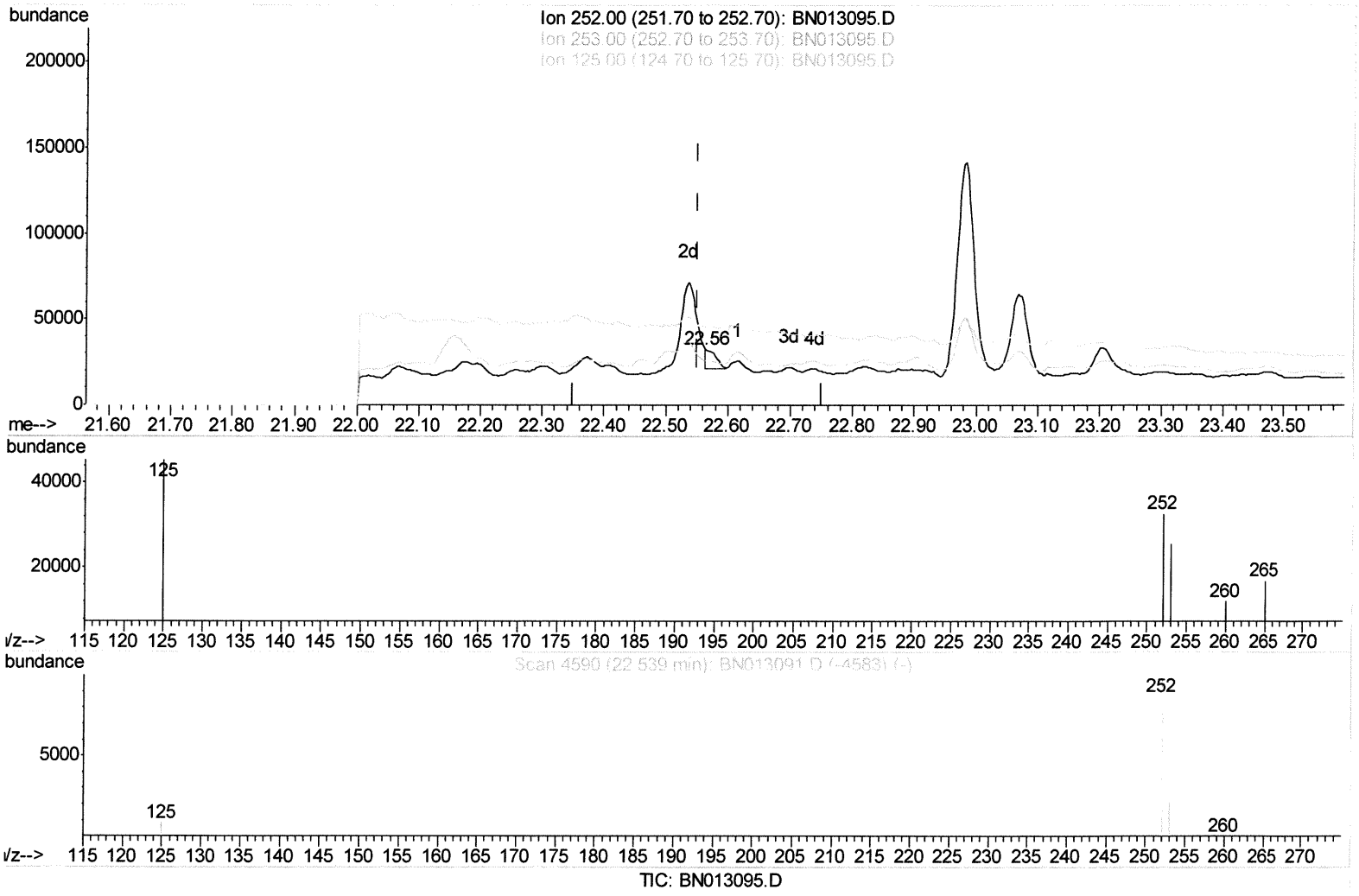
Ion	Exp%	Act%
252.00	100	100
253.00	29.30	121.28#
125.00	13.90	178.41#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 01:18:35 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 00:25:18 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM



(22) Benzo(k)fluoranthene

22.562min (+0.011) 0.46ng/ul m

response 12602

JY 12/28/20

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	78.78#
125.00	13.90	139.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121220\
Data File : BN013095.D
Acq On : 12 Dec 2020 17:22
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AD6

Manual Integrations APPROVED
mohammad
12/15/2020 12:17:06 PM

Quant Time: Dec 14 01:20:04 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 00:25:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	774	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.13	136	3630	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.02	164	12839	0.40	ng/ul	-0.02
10) Phenanthrene-d10	16.80	188	4950	0.40	ng/ul	0.00
16) Chrysene-d12	21.04	240	9654	0.40	ng/ul	0.01
20) Perylene-d12	23.16	264	5357	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	3349	0.62	ng/ul	-0.03
14) Fluoranthene-d10	18.85	212	6494	0.48	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.17	128	157669	15.011	ng/ul	95
5) 2-Methylnaphthalene	11.81	142	803513	116.451	ng/ul	98
7) Acenaphthylene	13.76	152	42930	0.706	ng/ul#	1
8) Acenaphthene	14.10	153	74917	1.503	ng/ul	95
9) Fluorene	15.10	166	143341	2.506	ng/ul#	91
12) Phenanthrene	16.85	178	1825290	109.979	ng/ul	98
13) Anthracene	16.94	178	148944m	10.545	ng/ul	> JU 12/28/20
15) Fluoranthene	18.88	202	255132	12.936	ng/ul	92
17) Pyrene	19.25	202	1523705	33.415	ng/ul	98
18) Benzo(a)anthracene	21.02	228	175479	4.393	ng/ul#	43
19) Chrysene	21.07	228	231631m	5.249	ng/ul	JU 12/28/20
21) Benzo(b)fluoranthene	22.54	252	106143m	4.283	ng/ul	
22) Benzo(k)fluoranthene	22.56	252	12602m	0.460	ng/ul	
23) Benzo(a)pyrene	23.07	252	91935	3.998	ng/ul#	47
24) Indeno(1,2,3-cd)pyrene	25.22	276	28544	0.945	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.22	278	15413	0.645	ng/ul#	1
26) Benzo(g,h,i)perylene	25.86	276	51733	1.893	ng/ul#	71

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