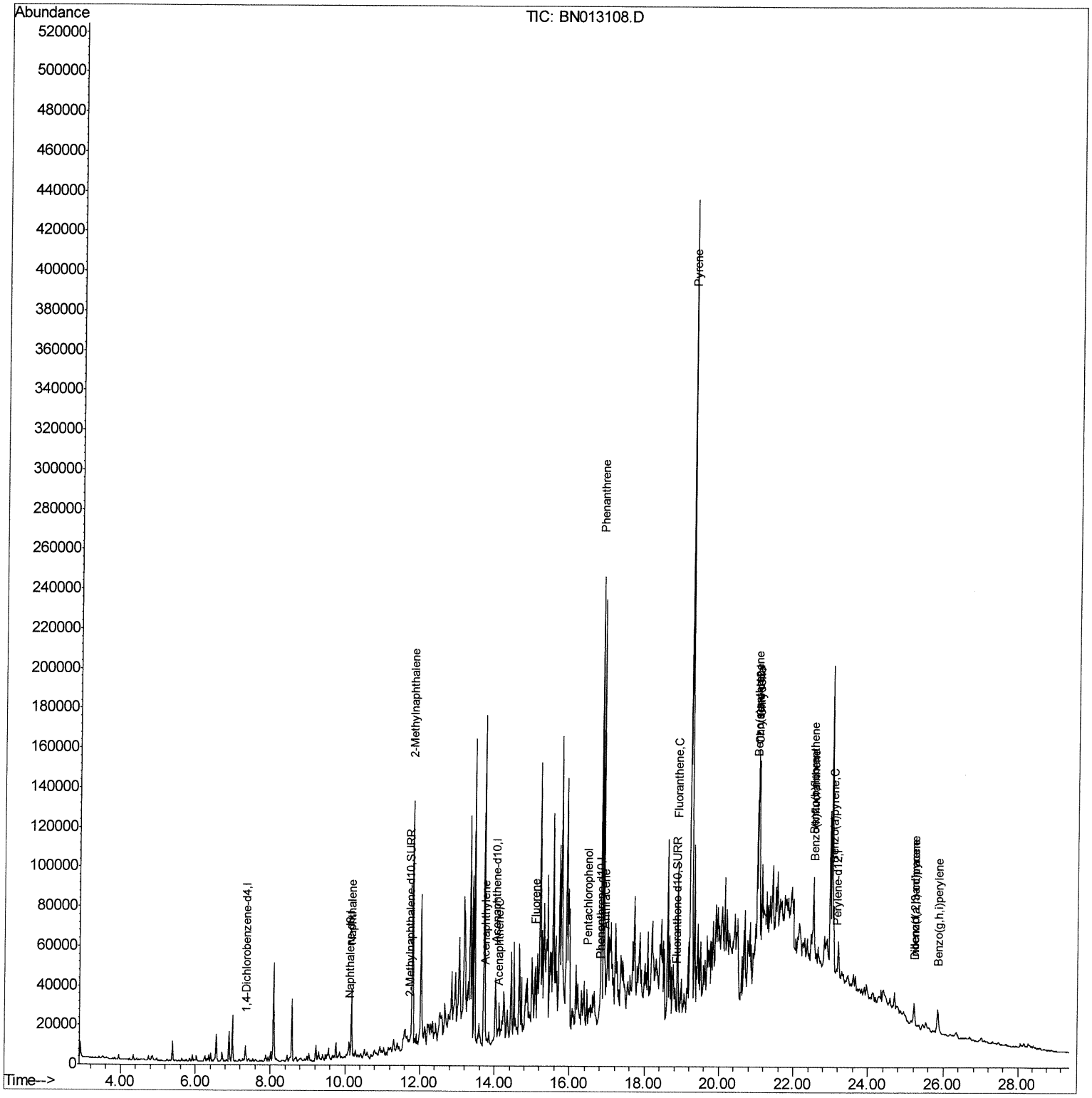
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 14 11:16:40 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 10:24:28 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD8RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:11 PM

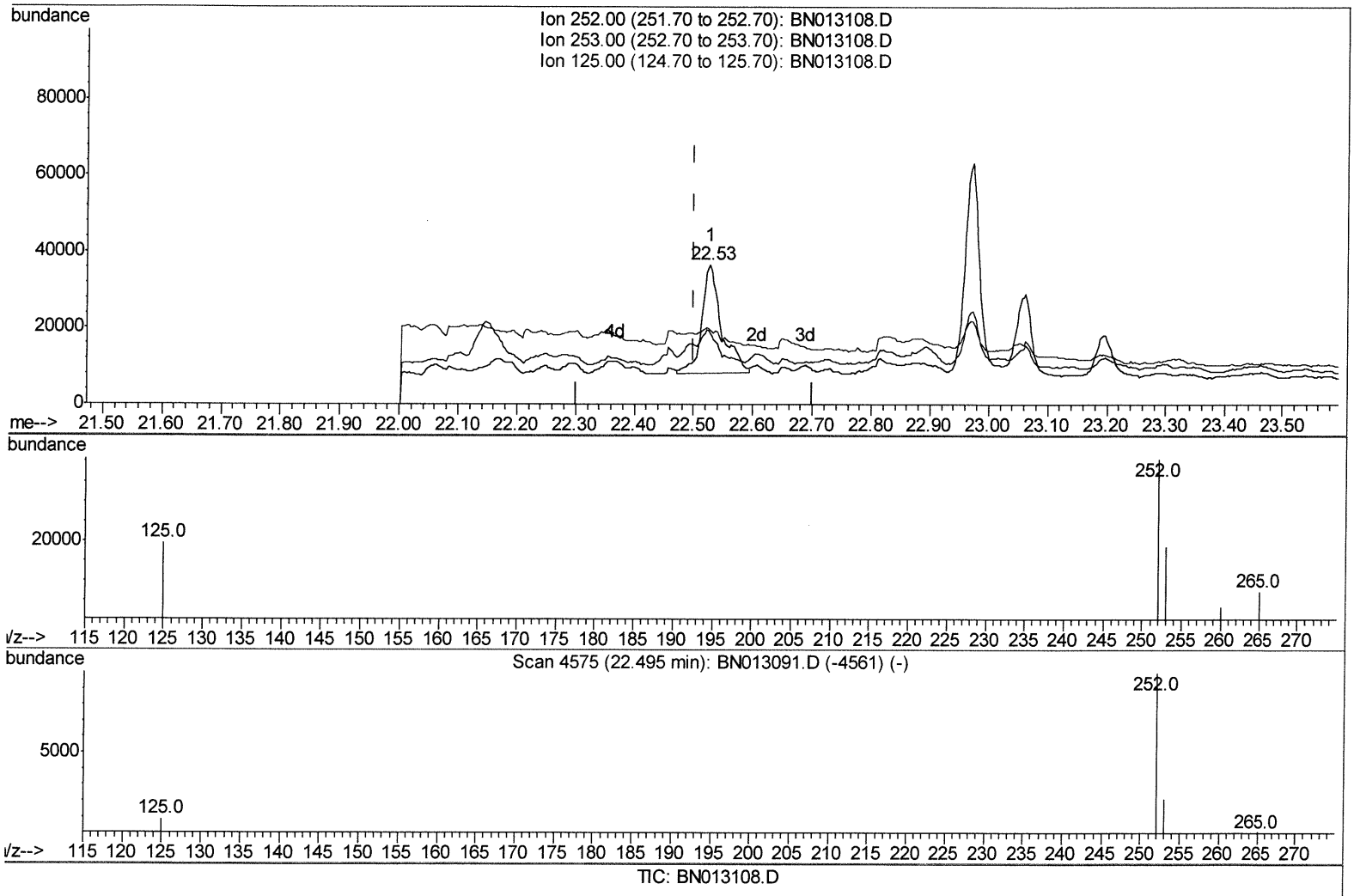


Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 14 11:14:04 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 10:24:28 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD8RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:11 PM



TIC: BN013108.D

(21) Benzo(b)fluoranthene

22.527min (+0.027) 4.70ng/ul

response 65891

Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.40
125.00	13.00	53.59#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 14 11:14:04 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 10:24:28 2020
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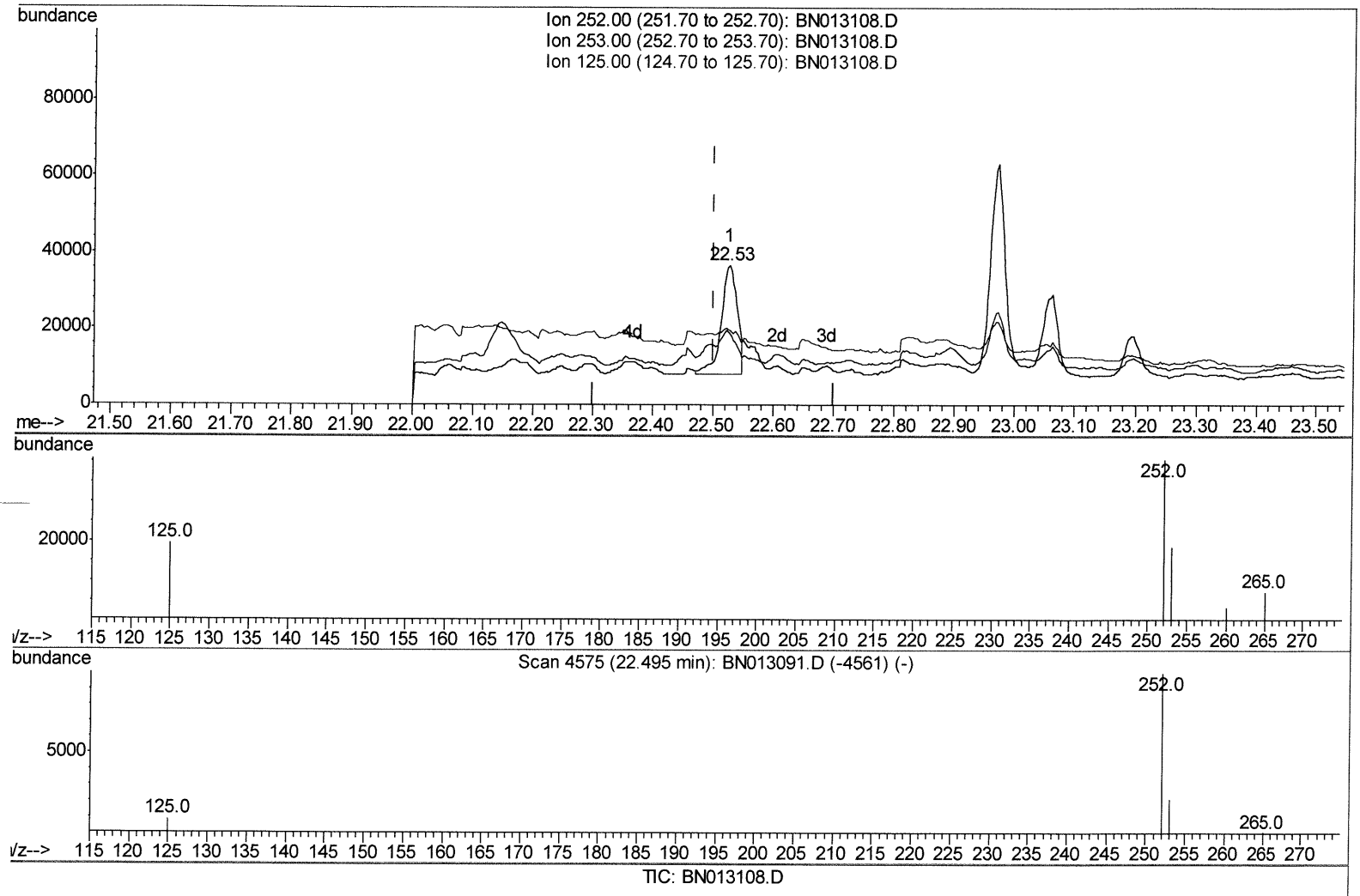
Instrument :
BNA_N
ClientSampleId :
C0AD8RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:11 PM



TIC: BN013108.D

(21) Benzo(b)fluoranthene

22.527min (+0.027) 3.84ng/ul m

response 53848

JU 12/28/20

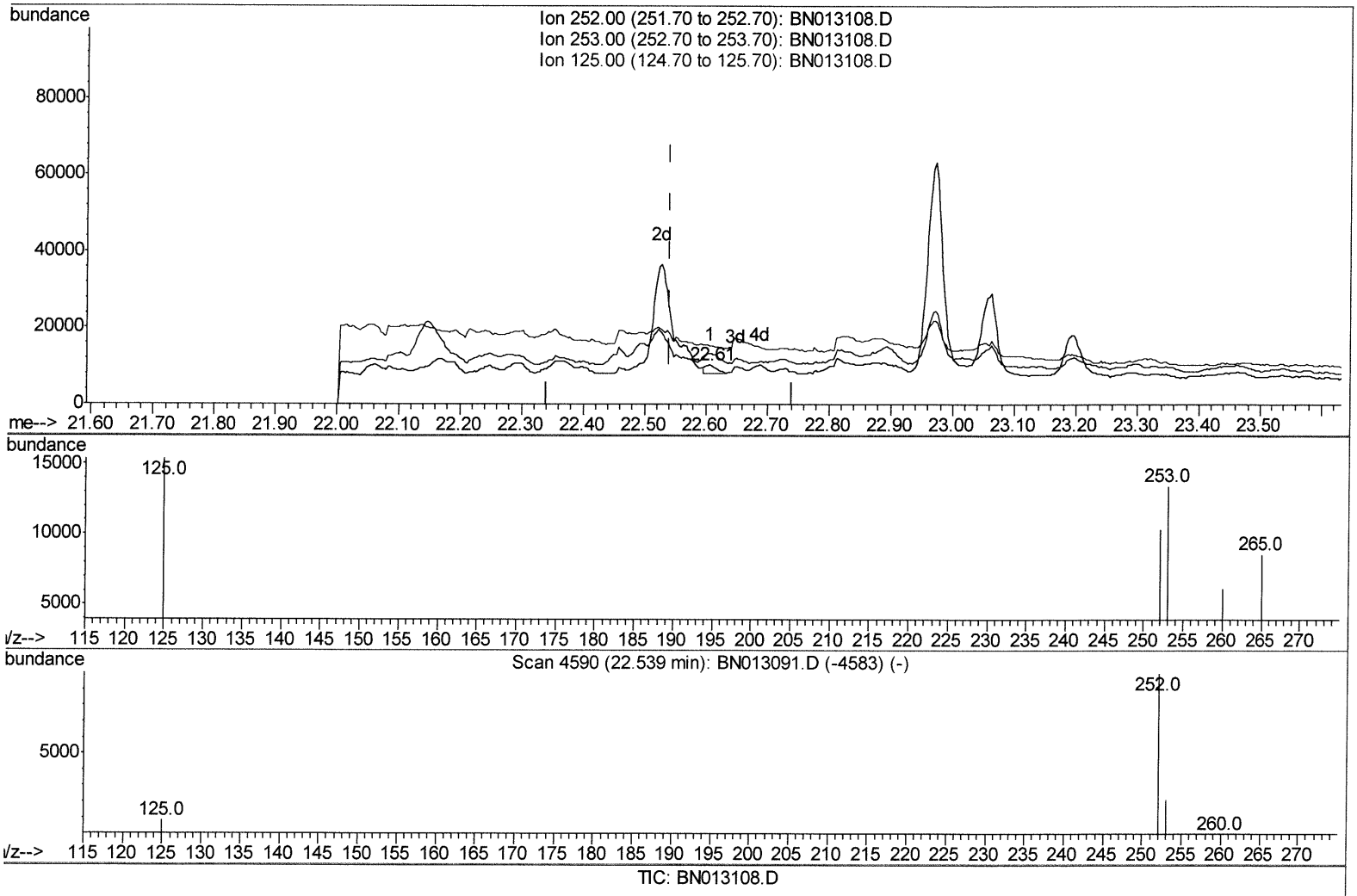
Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.40
125.00	13.00	53.59#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 14 11:14:04 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 10:24:28 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD8RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:11 PM



TIC: BN013108.D

(22) Benzo(k)fluoranthene

22.606min (+0.065) 0.20ng/ul

response 3061

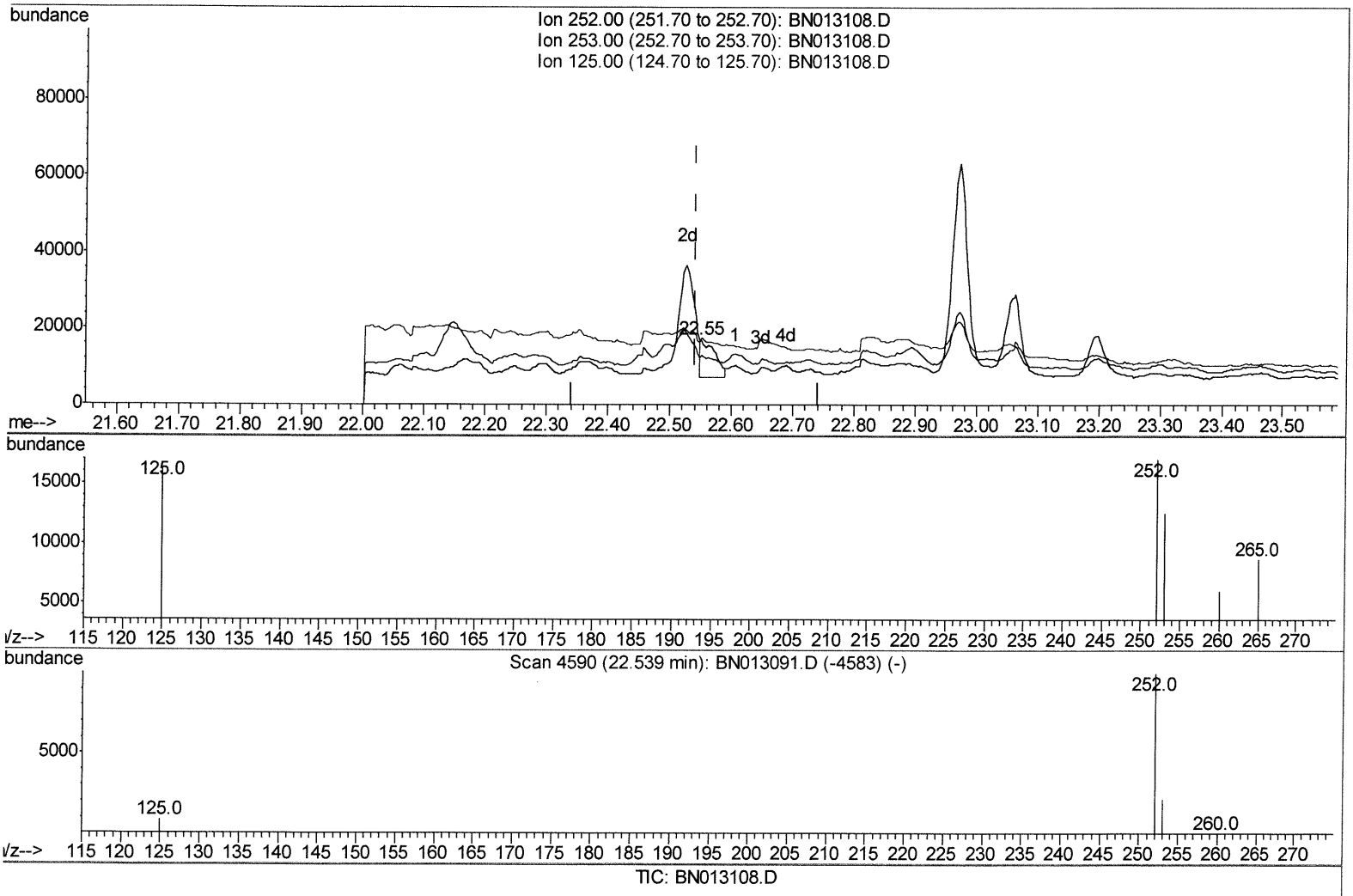
Ion	Exp%	Act%
252.00	100	100
253.00	29.30	129.51#
125.00	13.90	148.25#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 14 11:14:04 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 10:24:28 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD8RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:11 PM



TIC: BN013108.D

(22) Benzo(k)fluoranthene

22.548min (+0.006) 0.99ng/ul m

response 15342

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	73.40#
125.00	13.90	95.79#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AD8RE

Manual Integrations APPROVED
mohammad
12/15/2020 12:12:11 PM

Quant Time: Dec 14 11:16:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
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QLast Update : Mon Dec 14 10:24:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	1211	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	4550	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	5768	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	4922	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	6373	0.40	ng/ul	0.01
20) Perylene-d12	23.15	264	3030	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	2182	0.32	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	4150	0.31	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.17	128	44161	3.354	ng/ul	94
5) 2-Methylnaphthalene	11.80	142	79904	9.239	ng/ul	98
7) Acenaphthylene	13.75	152	5840	0.214	ng/ul#	1
8) Acenaphthene	14.09	153	3218	0.144	ng/ul#	67
9) Fluorene	15.10	166	7351	0.286	ng/ul#	19
11) Pentachlorophenol	16.47	266	181	0.127	ng/ul#	76
12) Phenanthrene	16.84	178	218936	13.267	ng/ul	96
13) Anthracene	16.93	178	12954	0.922	ng/ul#	67
15) Fluoranthene	18.87	202	70157	3.577	ng/ul	91
17) Pyrene	19.25	202	350843	11.655	ng/ul	99
18) Benzo(a)anthracene	21.02	228	50125	1.901	ng/ul#	28
19) Chrysene	21.07	228	63484	2.179	ng/ul#	68
21) Benzo(b)fluoranthene	22.53	252	53848m	3.841	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	15342m	0.990	ng/ul	→ 5412/28/20
23) Benzo(a)pyrene	23.06	252	38374	2.950	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	25.21	276	15698	0.919	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.21	278	7209	0.533	ng/ul#	1
26) Benzo(g,h,i)perylene	25.85	276	24948	1.614	ng/ul#	72

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