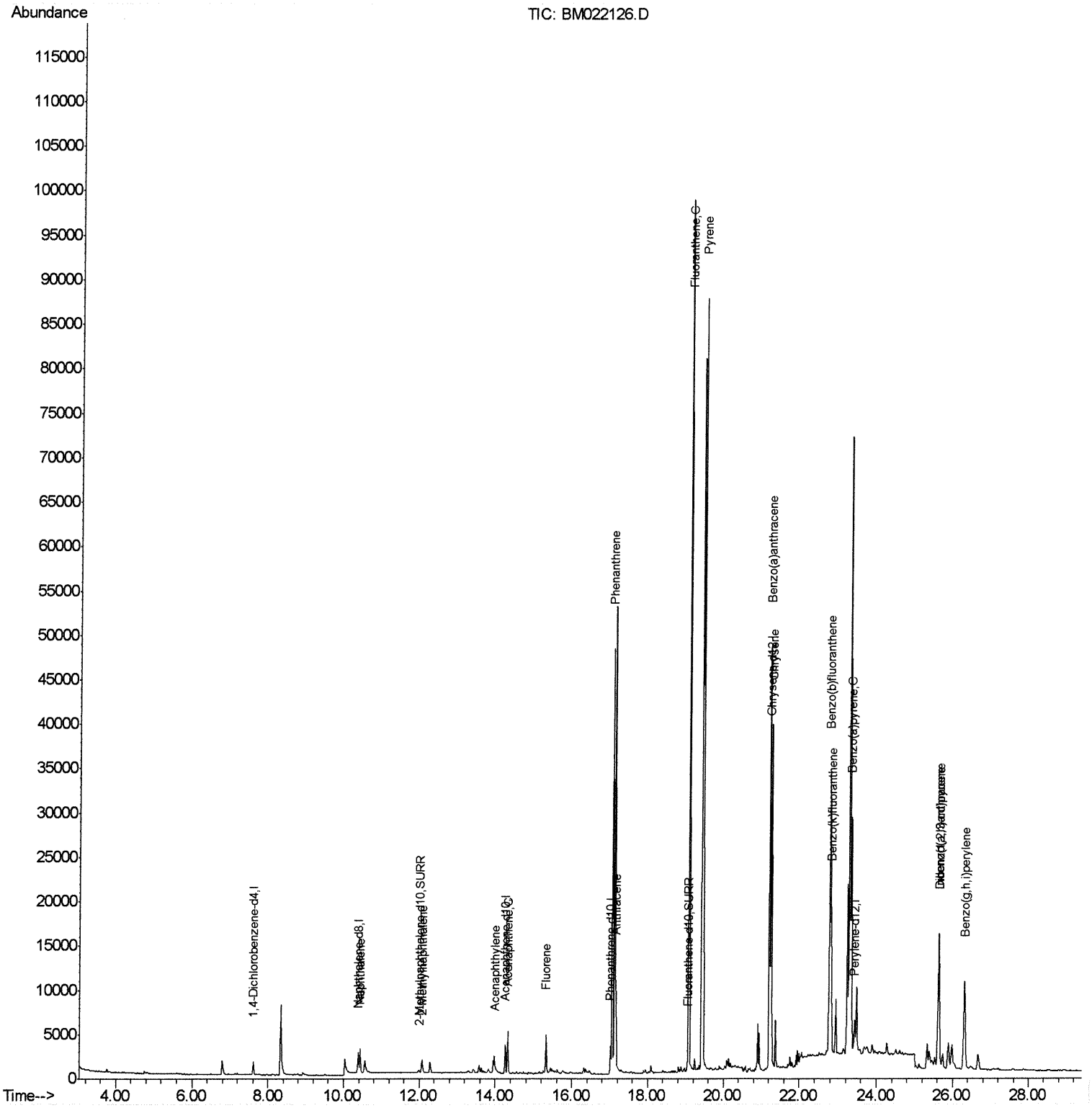
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022126.D
Acq On : 15 Aug 2019 03:22
Operator : HP/JU
Sample : K4304-08DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 15 12:30:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N9DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:59 PM

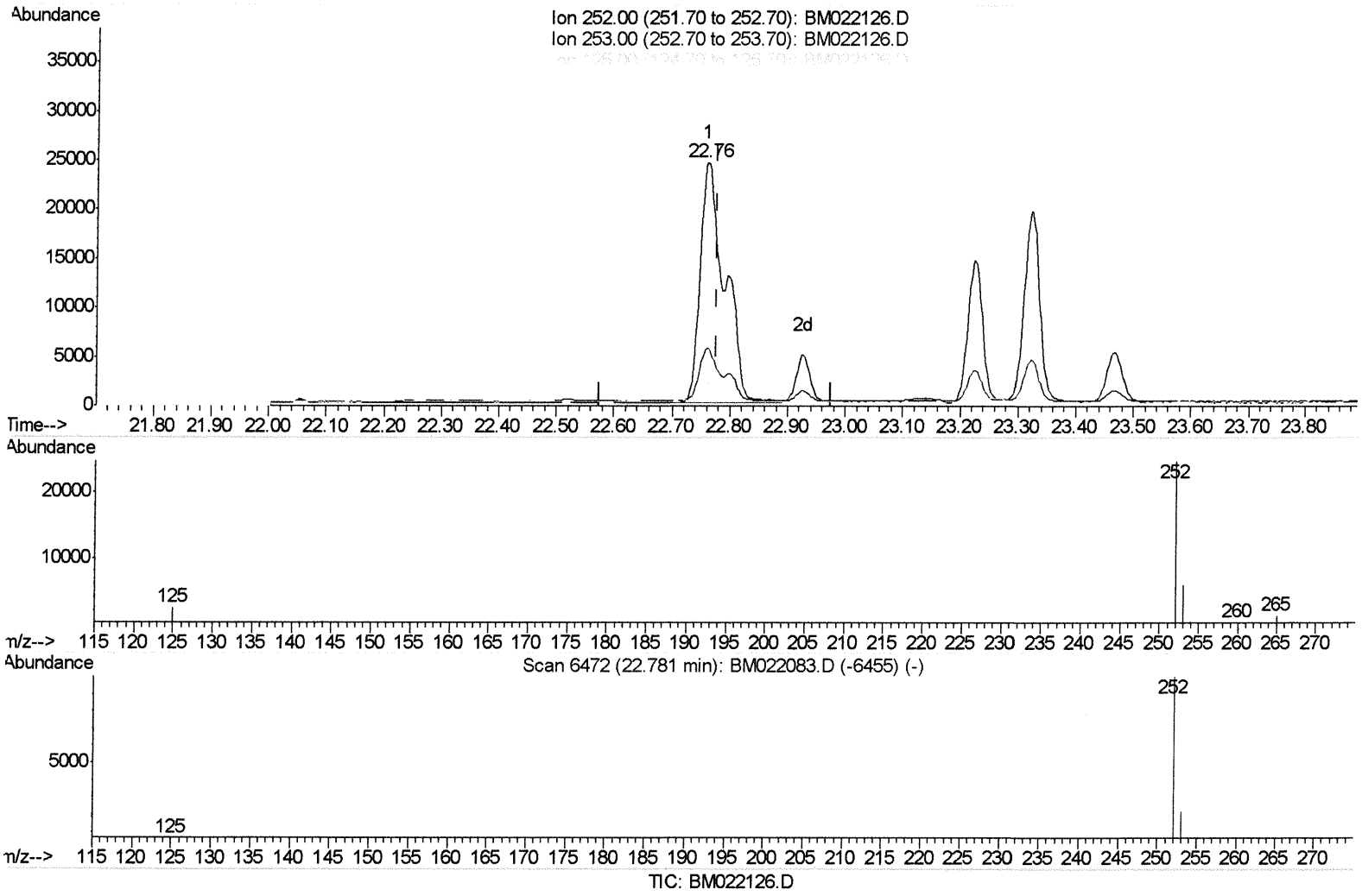


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022126.D
Acq On : 15 Aug 2019 03:22
Operator : HP/JU
Sample : K4304-08DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 15 12:29:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N9DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:59 PM



TIC: BM022126.D

(21) Benzo(b)fluoranthene

22.759min (-0.017) 5.03ng/ul

response 72657

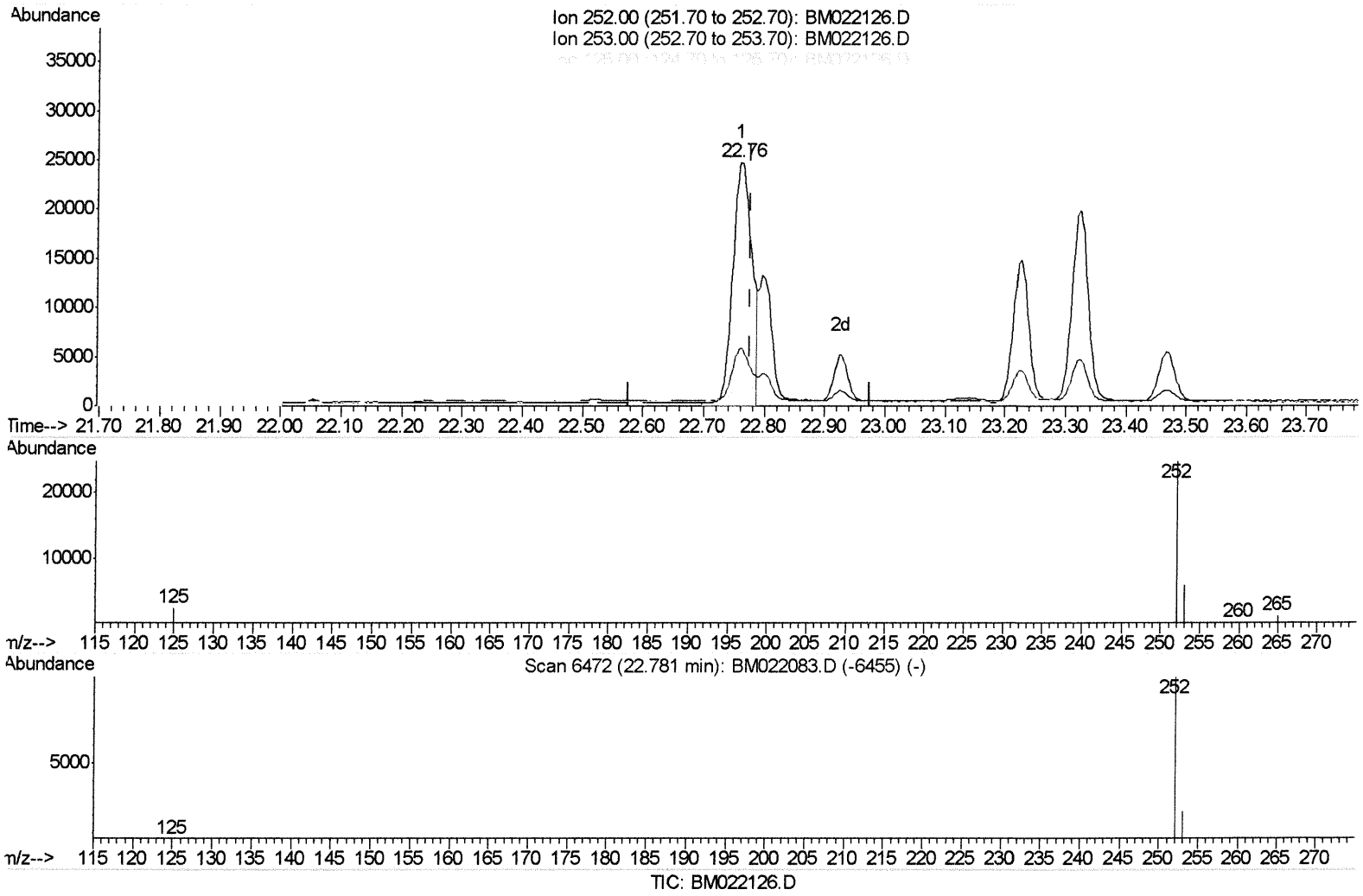
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.55
125.00	15.50	9.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022126.D
Acq On : 15 Aug 2019 03:22
Operator : HP/JU
Sample : K4304-08DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 15 12:29:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N9DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:59 PM



(21) Benzo(b)fluoranthene

22.759min (-0.017) 3.75ng/ul m JU 08/15/19

response 54078

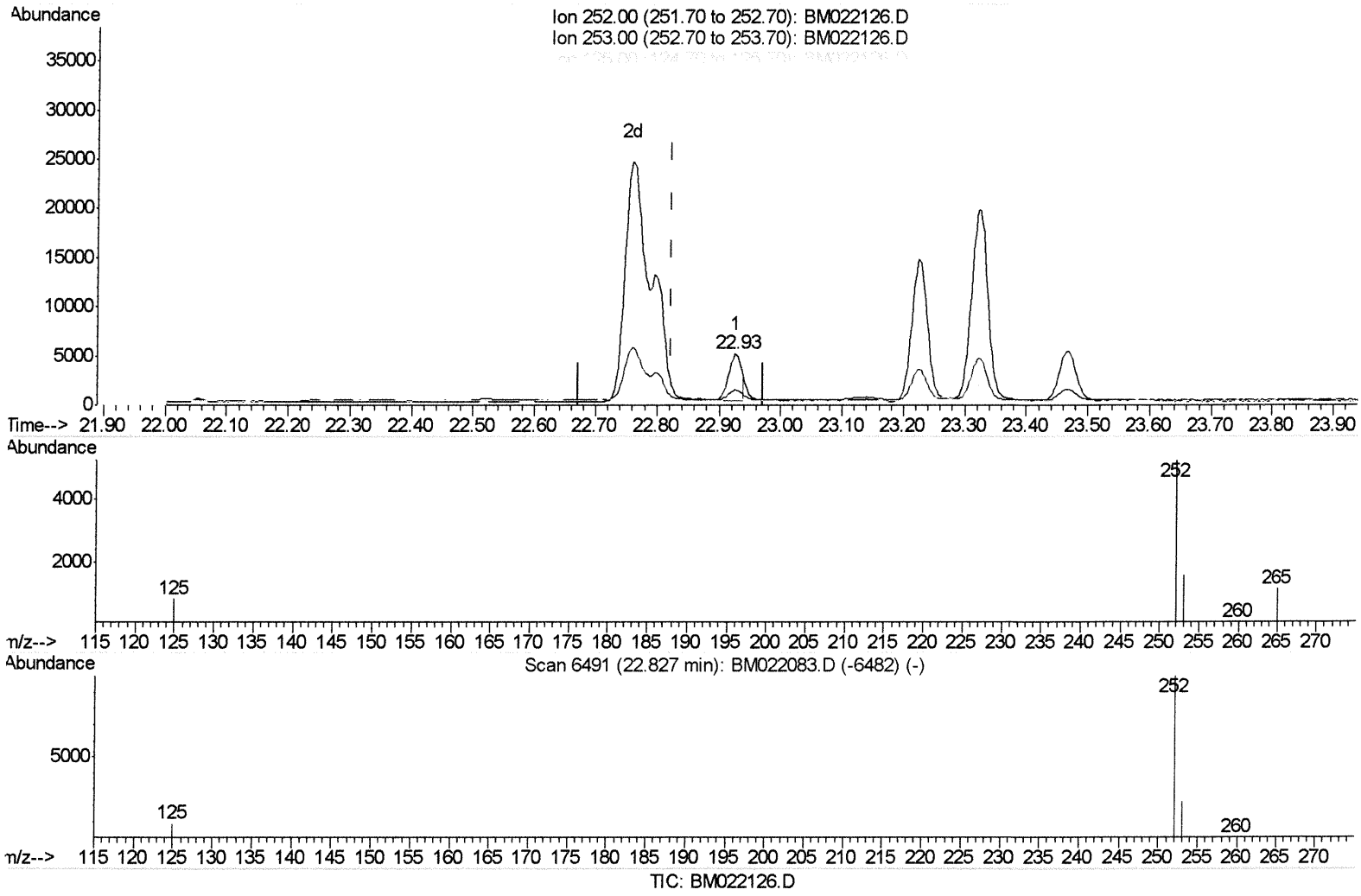
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.55
125.00	15.50	9.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022126.D
Acq On : 15 Aug 2019 03:22
Operator : HP/JU
Sample : K4304-08DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 15 12:29:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N9DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:59 PM



(22) Benzo(k)fluoranthene

22.926min (+0.104) 0.41ng/ul

response 6673

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.71
125.00	15.20	16.32
0.00	0.00	0.00

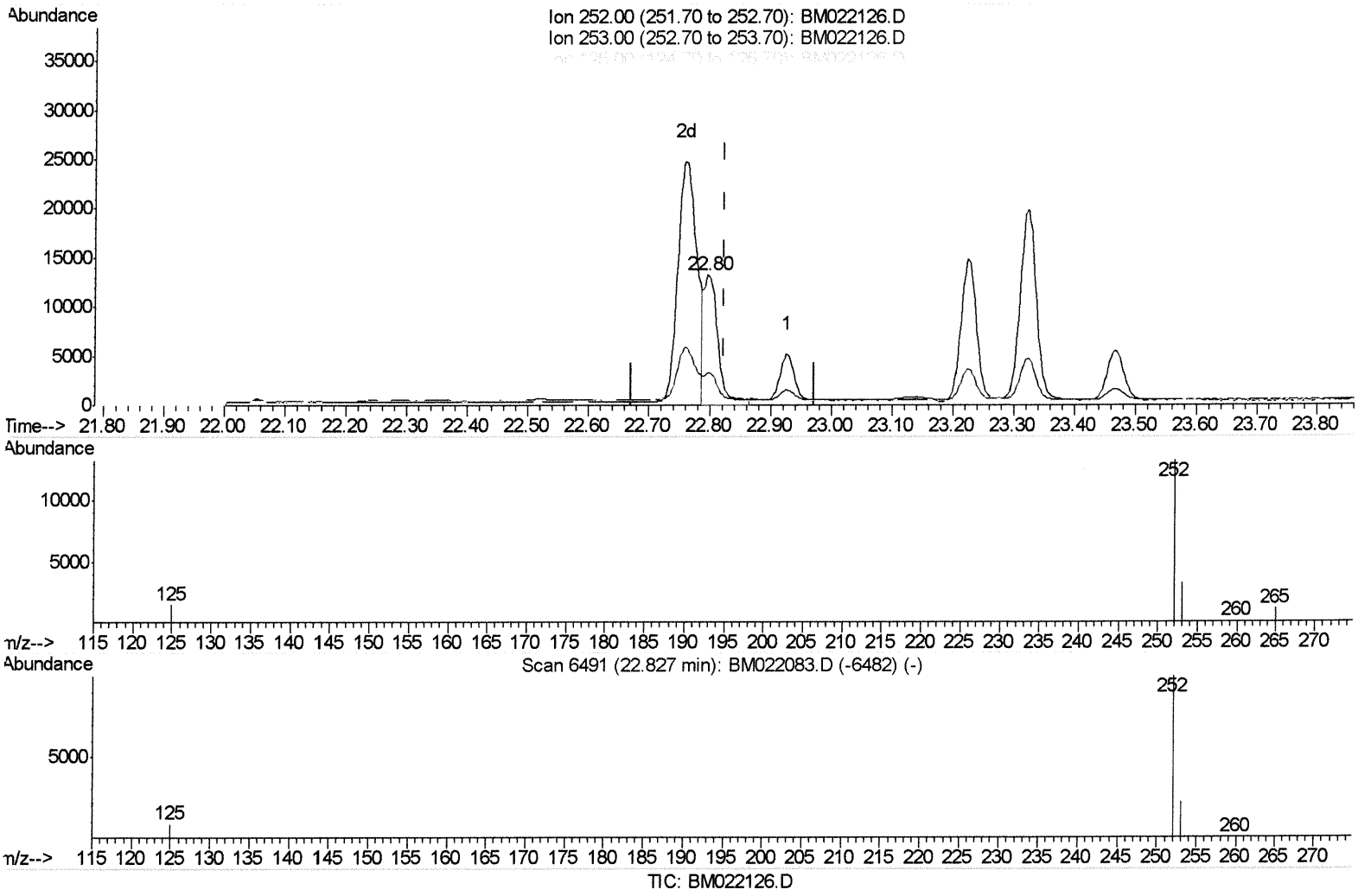
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022126.D
Acq On : 15 Aug 2019 03:22
Operator : HP/JU
Sample : K4304-08DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 15 12:29:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N9DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:59 PM



TIC: BM022126.D

(22) Benzo(k)fluoranthene

22.796min (-0.027) 1.34ng/ul m JU 08/15/19

response 21952

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.99#
125.00	15.20	11.64#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022126.D
Acq On : 15 Aug 2019 03:22
Operator : HP/JU
Sample : K4304-08DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB5N9DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:59 PM

Quant Time: Aug 15 12:30:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	842	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3462	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1825	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	3953	0.40	ng/ul	-0.02
16) Chrysene-d12	21.21	240	3934	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4282	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	492	0.09	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	1132	0.08	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.43	128	4226	0.432	ng/ul	95
5) 2-Methylnaphthalene	12.07	142	1459	0.224	ng/ul	96
7) Acenaphthylene	13.98	152	2397	0.282	ng/ul#	84
8) Acenaphthene	14.32	153	3007	0.432	ng/ul	95
9) Fluorene	15.31	166	3187	0.412	ng/ul	99
12) Phenanthrene	17.05	178	51277	4.458	ng/ul	96
13) Anthracene	17.15	178	11179	1.139	ng/ul	96
15) Fluoranthene	19.08	202	86856	5.637	ng/ul	96
17) Pyrene	19.44	202	74602	4.615	ng/ul	99
18) Benzo(a)anthracene	21.20	228	40584	2.884	ng/ul	98
19) Chrysene	21.25	228	39894	2.204	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	54078m→	3.745	ng/ul→	2 JU 08/15/19
22) Benzo(k)fluoranthene	22.80	252	21952m→	1.343	ng/ul→	
23) Benzo(a)pyrene	23.32	252	36054	2.455	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.62	276	25116	1.432	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.62	278	6565	0.463	ng/ul	95
26) Benzo(g,h,i)perylene	26.30	276	21113	1.338	ng/ul	99

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