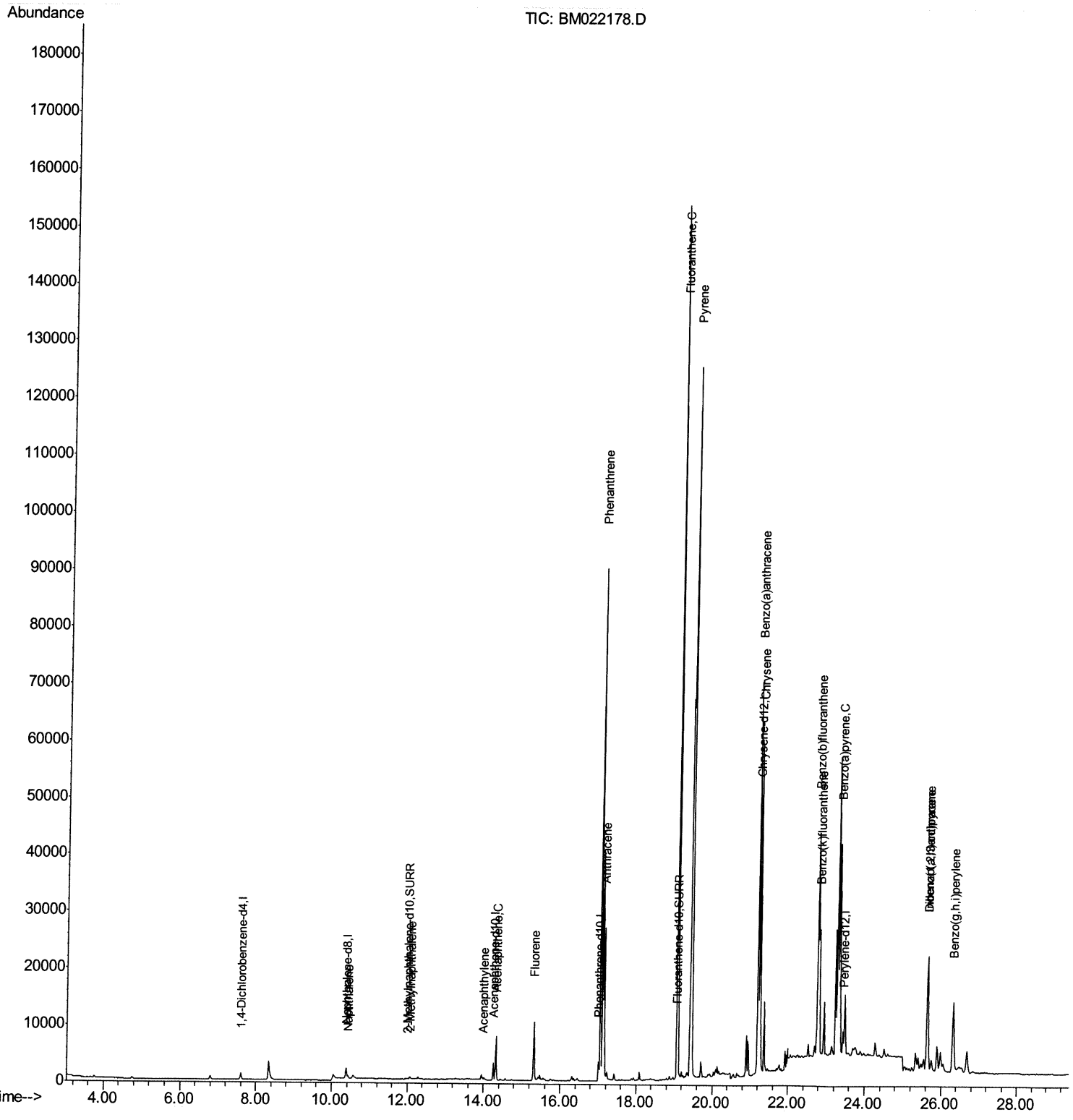
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022178.D
Acq On : 16 Aug 2019 20:02
Operator : HP/JU
Sample : K4242-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 04:51:04 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 : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG6DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:23 PM

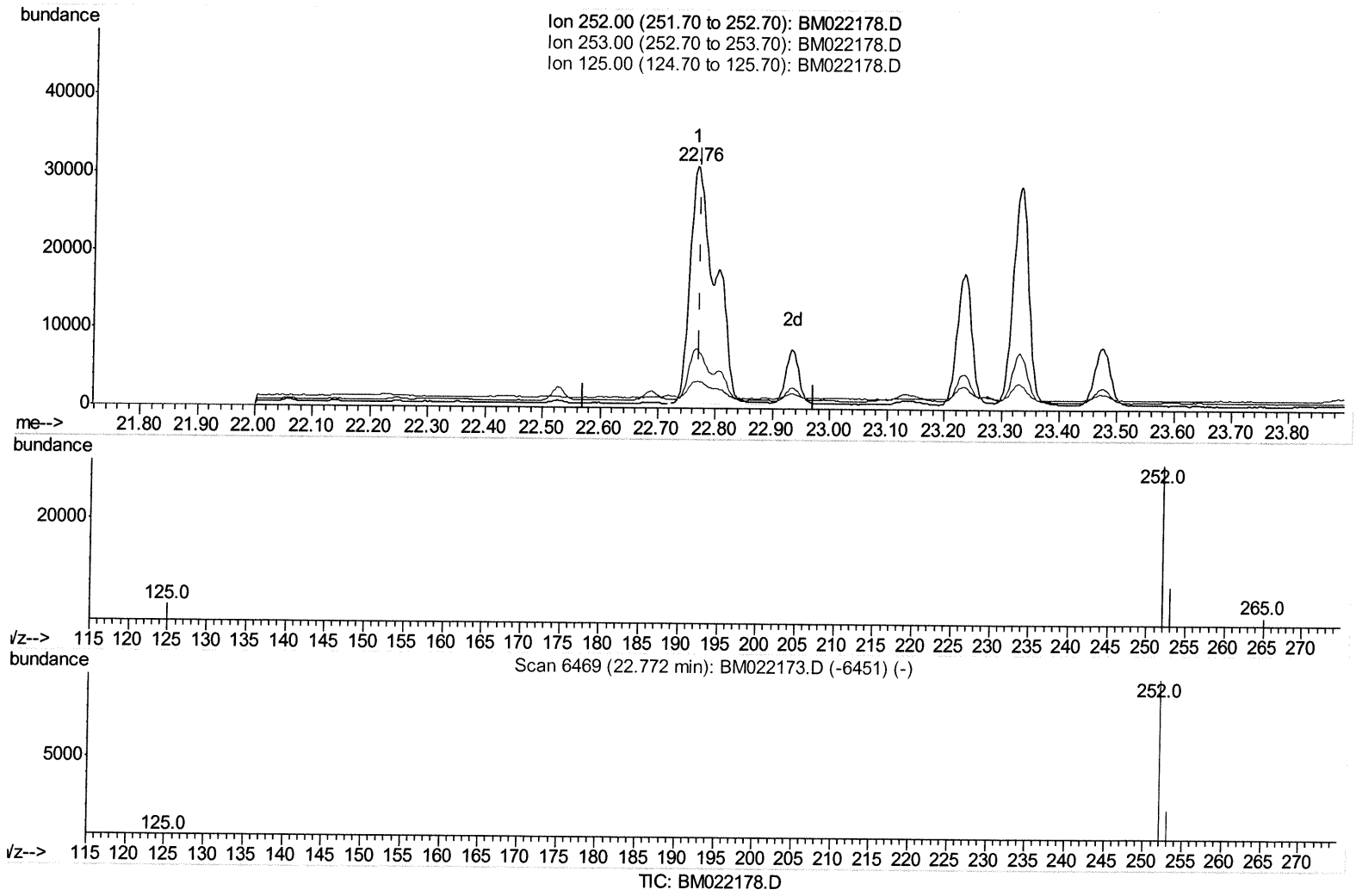


Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022178.D
Acq On : 16 Aug 2019 20:02
Operator : HP/JU
Sample : K4242-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 04:49:59 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 : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG6DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:23 PM



TIC: BM022178.D

(21) Benzo(b)fluoranthene

22.764min (-0.008) 5.60ng/ul

response 93912

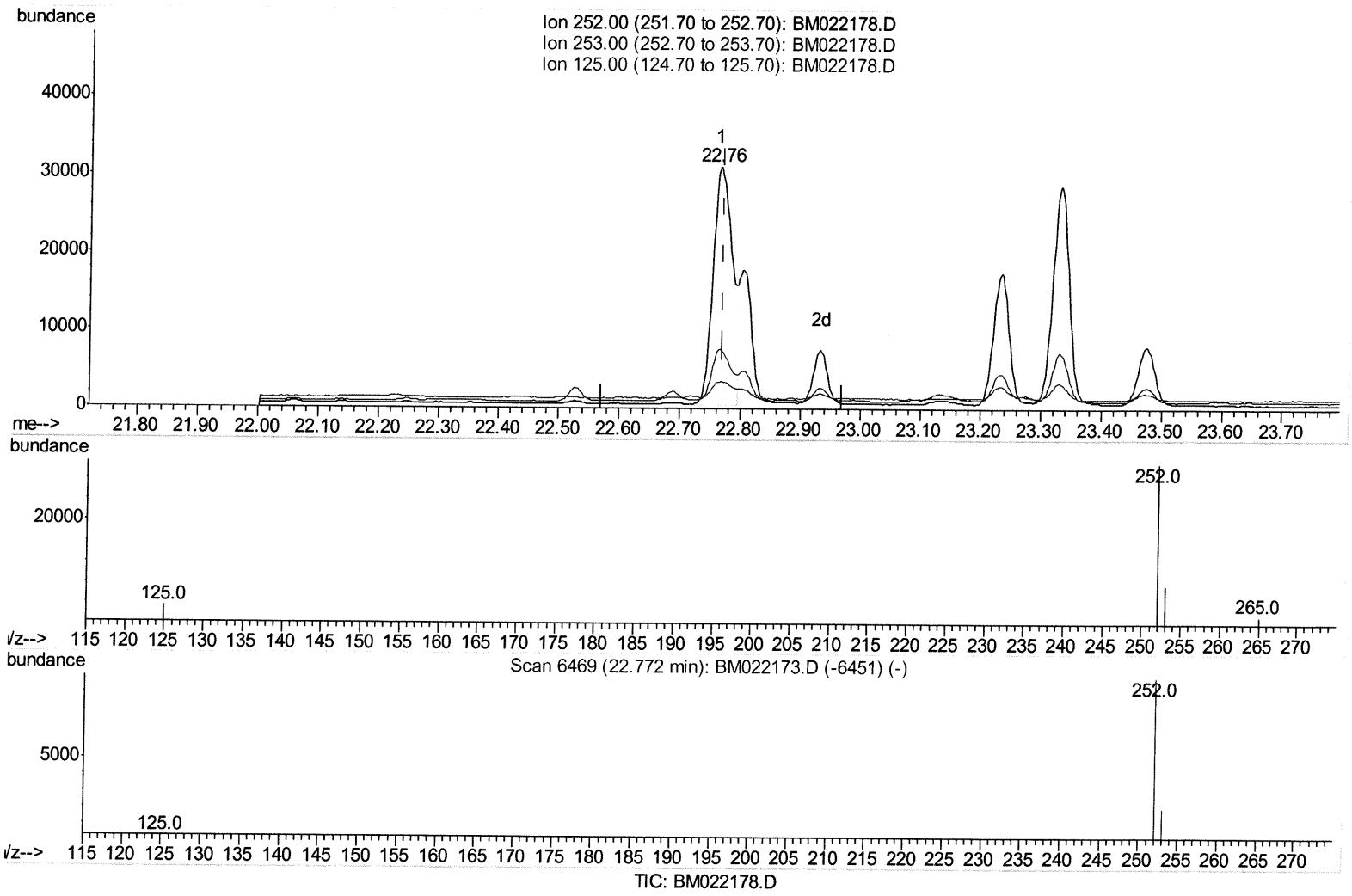
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.48
125.00	15.50	11.08
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022178.D
Acq On : 16 Aug 2019 20:02
Operator : HP/JU
Sample : K4242-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 04:49:59 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 : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG6DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:23 PM



TIC: BM022178.D

(21) Benzo(b)fluoranthene

22.764min (-0.008) 4.14ng/ul m JU 08/20/19

response 69360

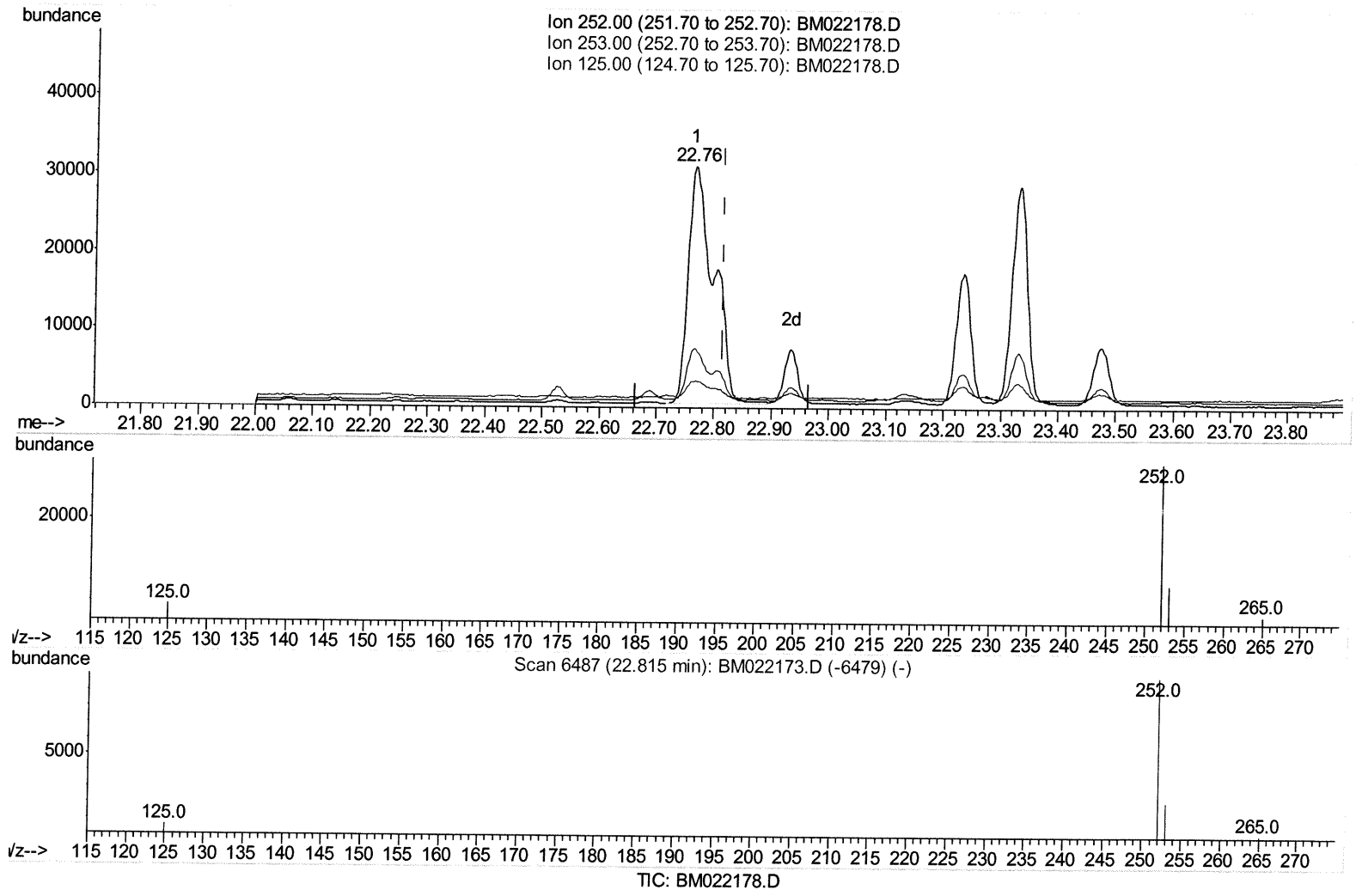
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.48
125.00	15.50	11.08
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022178.D
Acq On : 16 Aug 2019 20:02
Operator : HP/JU
Sample : K4242-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 04:49:59 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 : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG6DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:23 PM



(22) Benzo(k)fluoranthene

22.764min (-0.051) 4.95ng/ul

response 93912

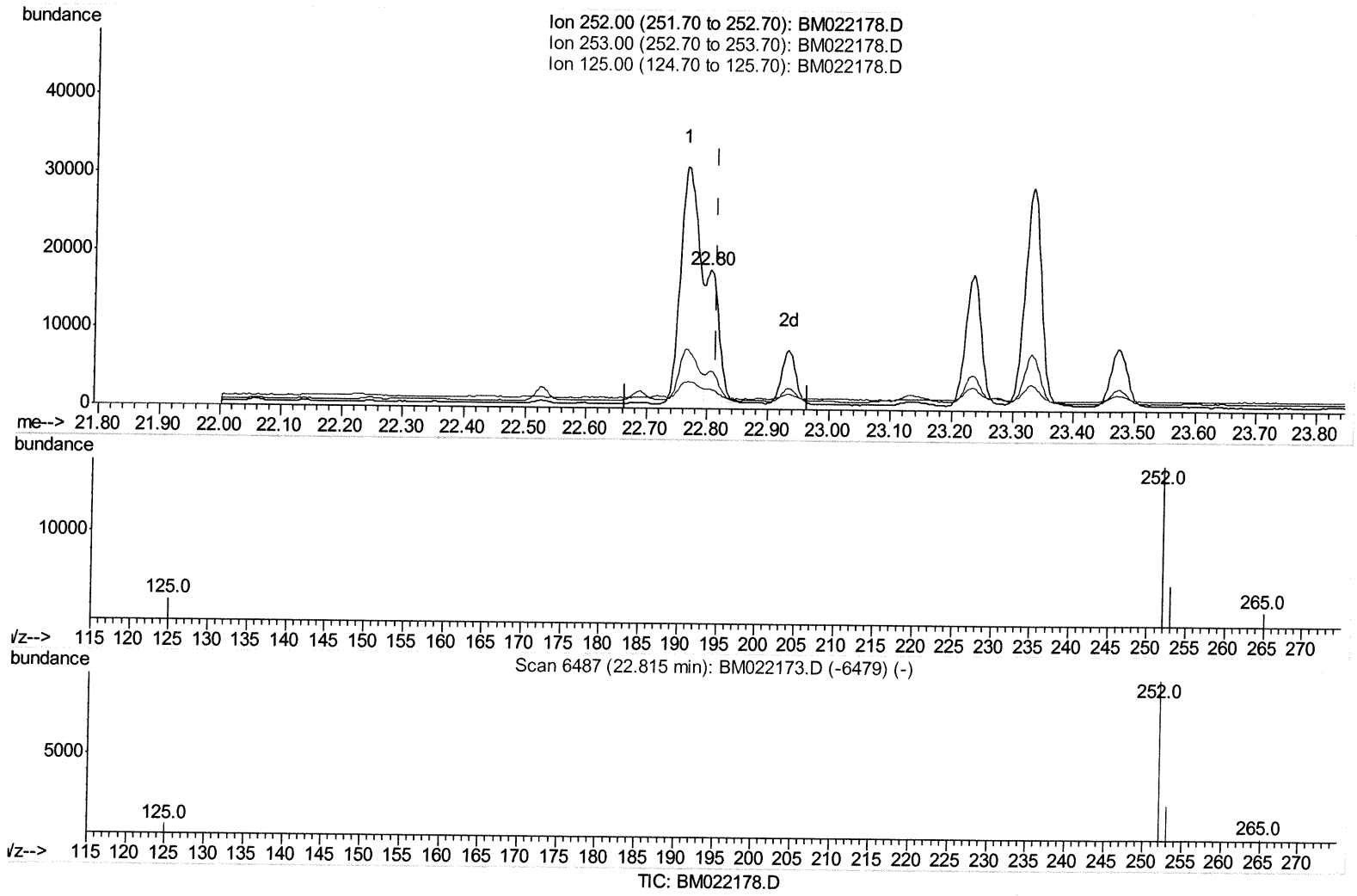
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.48#
125.00	15.20	11.08#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022178.D
Acq On : 16 Aug 2019 20:02
Operator : HP/JU
Sample : K4242-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 04:49:59 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 : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG6DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:23 PM



(22) Benzo(k)fluoranthene

22.803min (-0.012) 1.38ng/ul m JU 08/20/19

response 26210

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.56#
125.00	15.20	14.60
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022178.D
Acq On : 16 Aug 2019 20:02
Operator : HP/JU
Sample : K4242-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG6DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:23 PM

Quant Time: Aug 17 04:51:04 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 : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	752	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	3208	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	1867	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4332	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	4366	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	4970	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	309	0.06	ng/ul	0.02
14) Fluoranthene-d10	19.05	212	849	0.06	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.43	128	684	0.075	ng/ul#	78
5) 2-Methylnaphthalene	12.07	142	497	0.082	ng/ul	95
7) Acenaphthylene	13.98	152	300	0.034	ng/ul#	57
8) Acenaphthene	14.32	153	4925	0.691	ng/ul	95
9) Fluorene	15.31	166	7686	0.971	ng/ul	99
12) Phenanthrene	17.05	178	94824	7.523	ng/ul	96
13) Anthracene	17.15	178	27690	2.575	ng/ul	96
15) Fluoranthene	19.08	202	133873	7.929	ng/ul	94
17) Pyrene	19.45	202	109229	6.088	ng/ul	97
18) Benzo(a)anthracene	21.20	228	60992	3.906	ng/ul	99
19) Chrysene	21.25	228	52215	2.600	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	69360m	4.139	ng/ul	80
22) Benzo(k)fluoranthene	22.80	252	26210m	1.382	ng/ul	80
23) Benzo(a)pyrene	23.33	252	52427	3.076	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	32661	1.605	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.64	278	8164	0.496	ng/ul#	80
26) Benzo(g,h,i)perylene	26.32	276	25872	1.412	ng/ul	97

JU 08/20/19

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