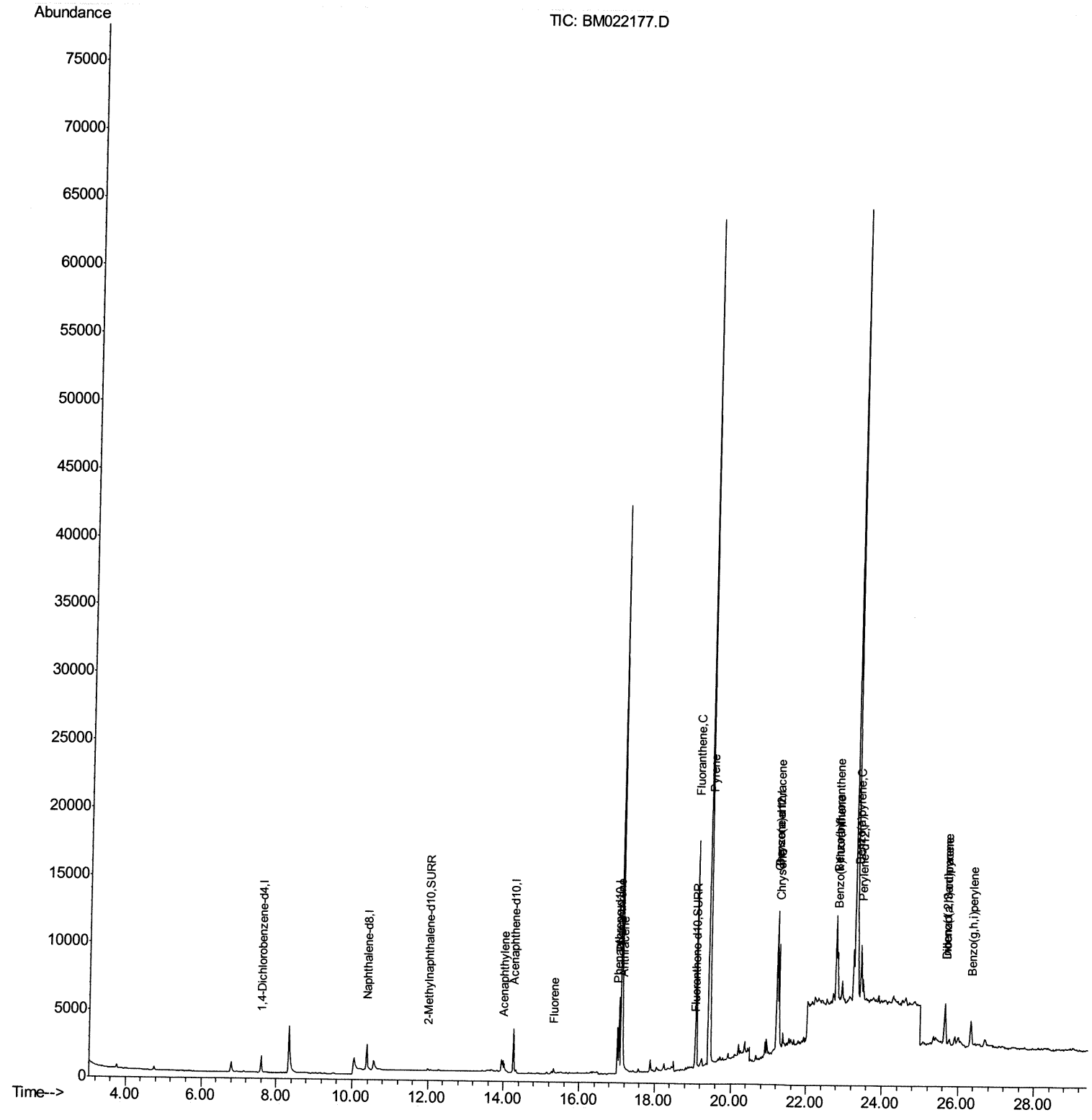
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 17 04:46:32 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 :
C0AF5DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:20 PM

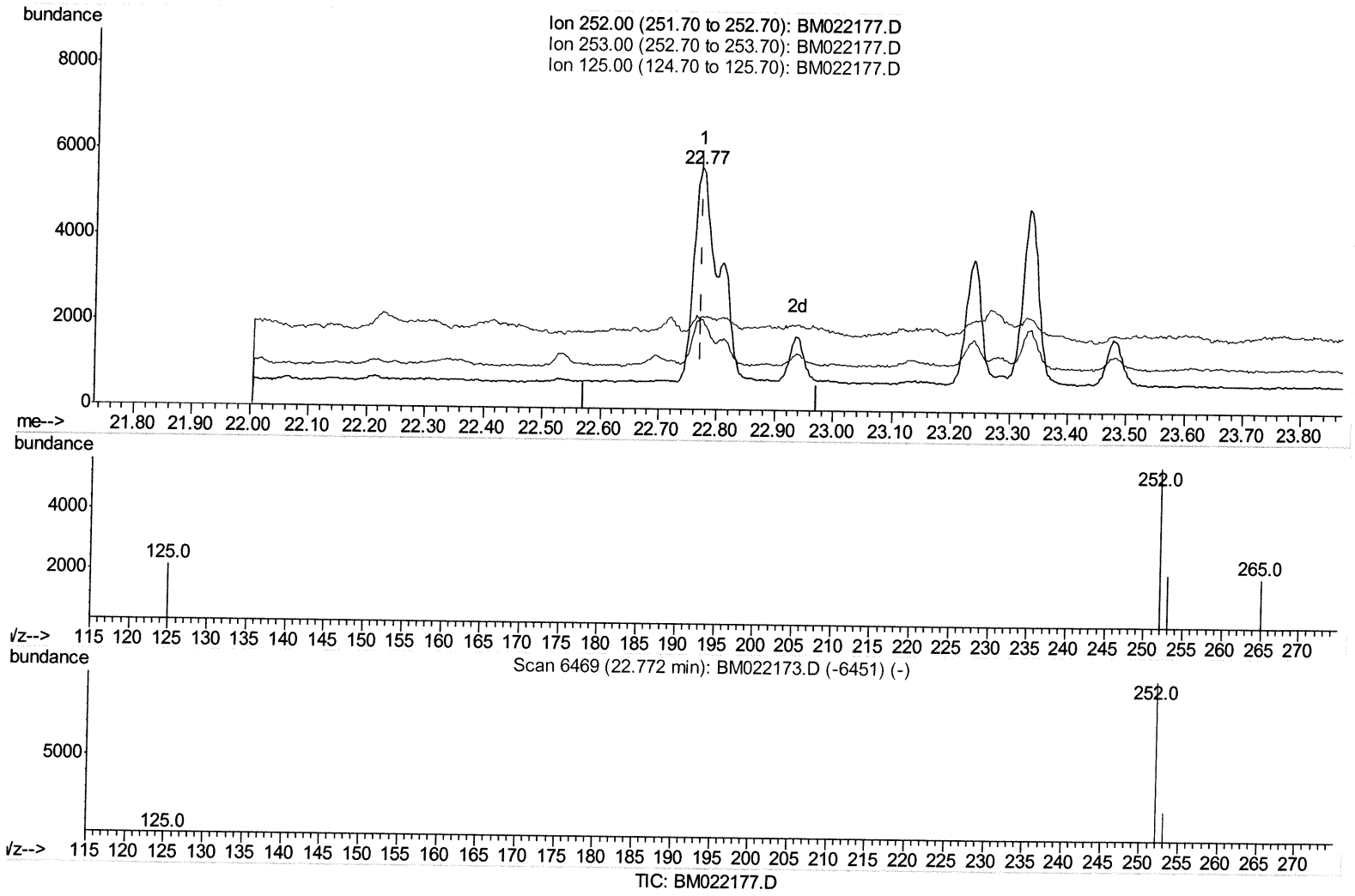


Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 17 04:44:58 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 :
C0AF5DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:20 PM



(21) Benzo(b)fluoranthene

22.772min (+0.000) 0.83ng/ul

response 14955

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	37.12
125.00	15.50	38.25#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 17 04:44:58 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
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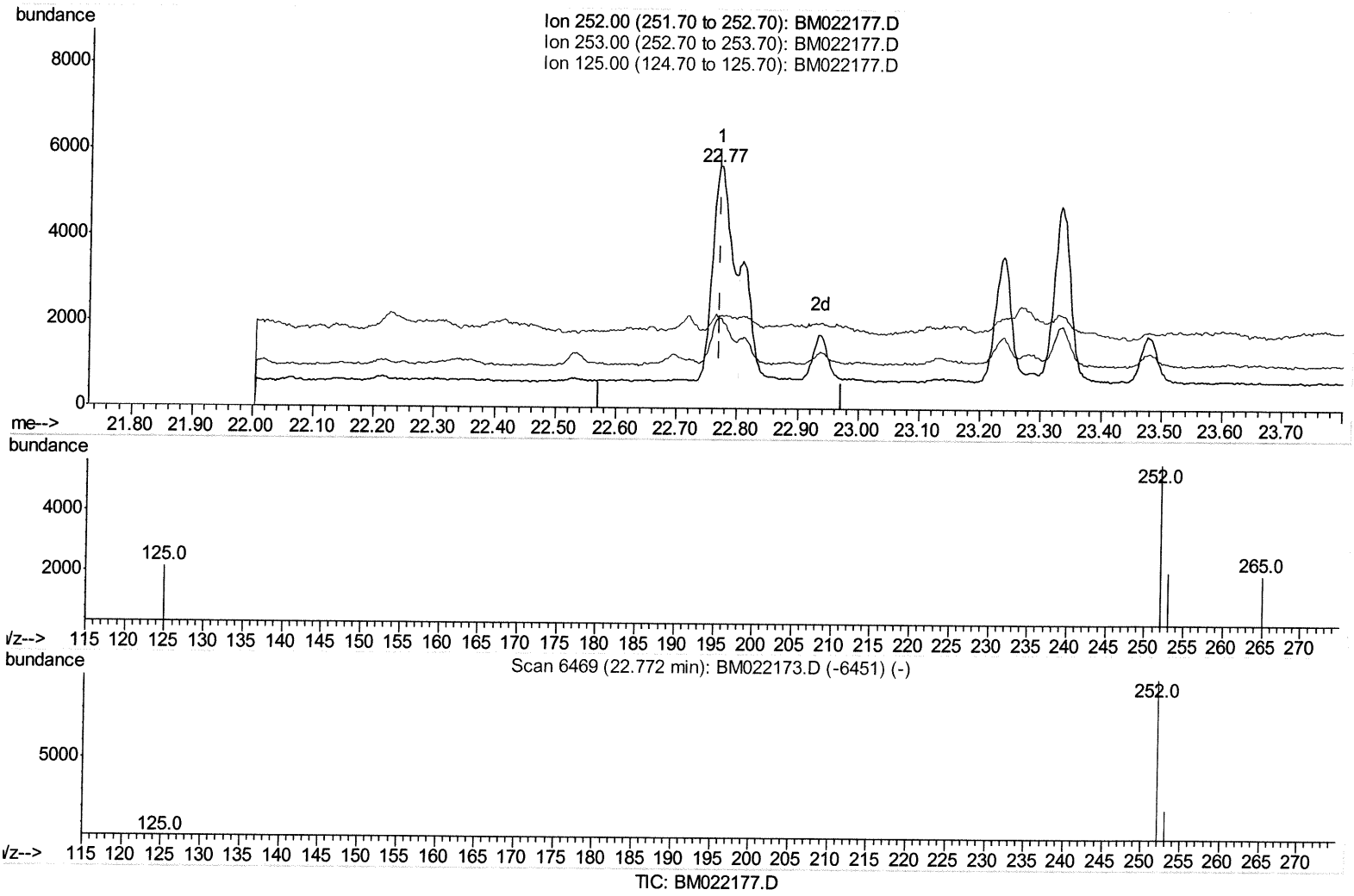
Instrument :
BNA_M
ClientSampleId :
C0AF5DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:20 PM



(21) Benzo(b)fluoranthene

22.772min (+0.000) 0.62ng/ul m JU 08/20/19

response 11234

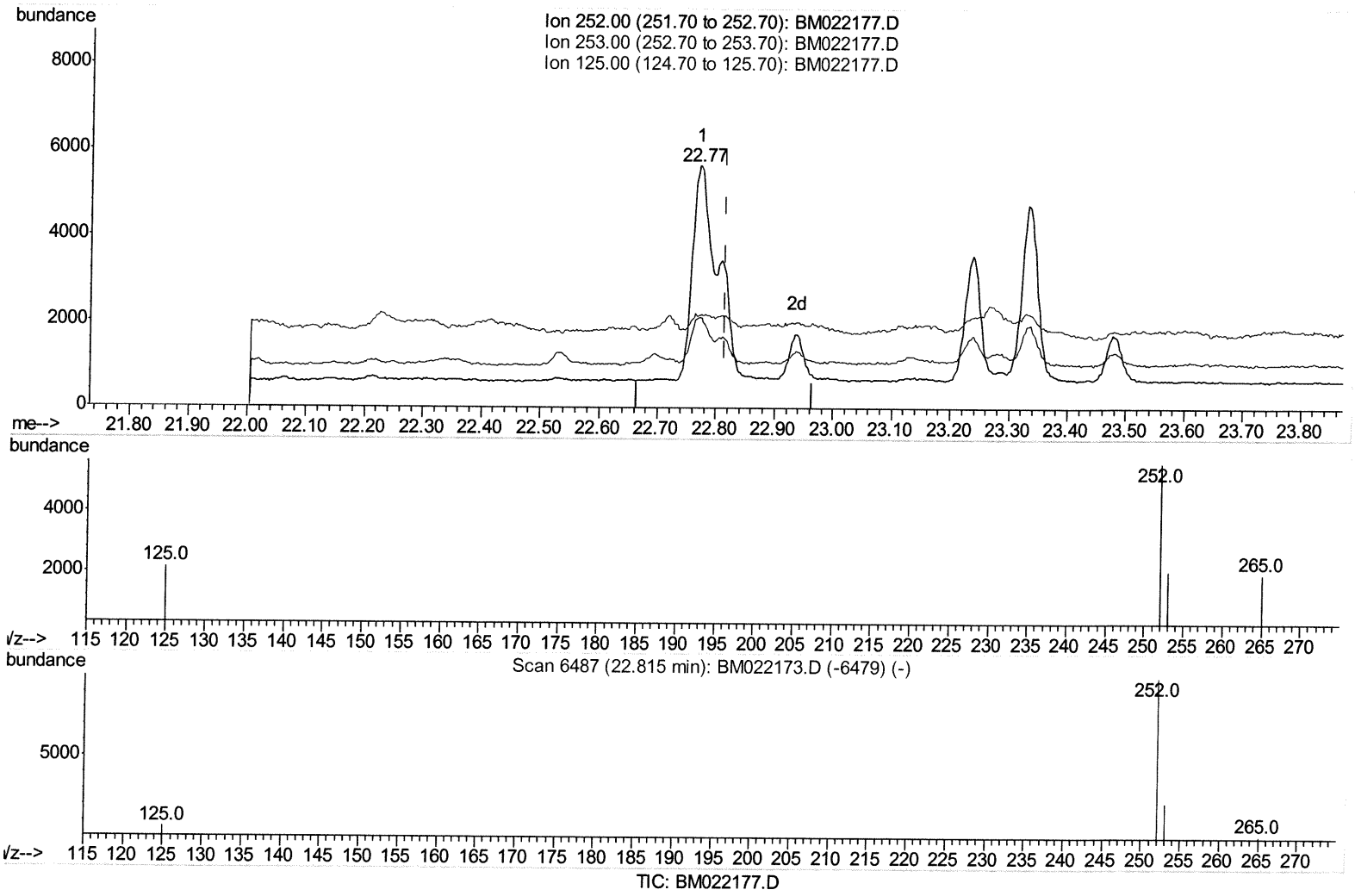
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	37.12
125.00	15.50	38.25#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 17 04:44:58 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 :
C0AF5DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:20 PM



TIC: BM022177.D

(22) Benzo(k)fluoranthene

22.772min (-0.044) 0.73ng/ul

response 14955

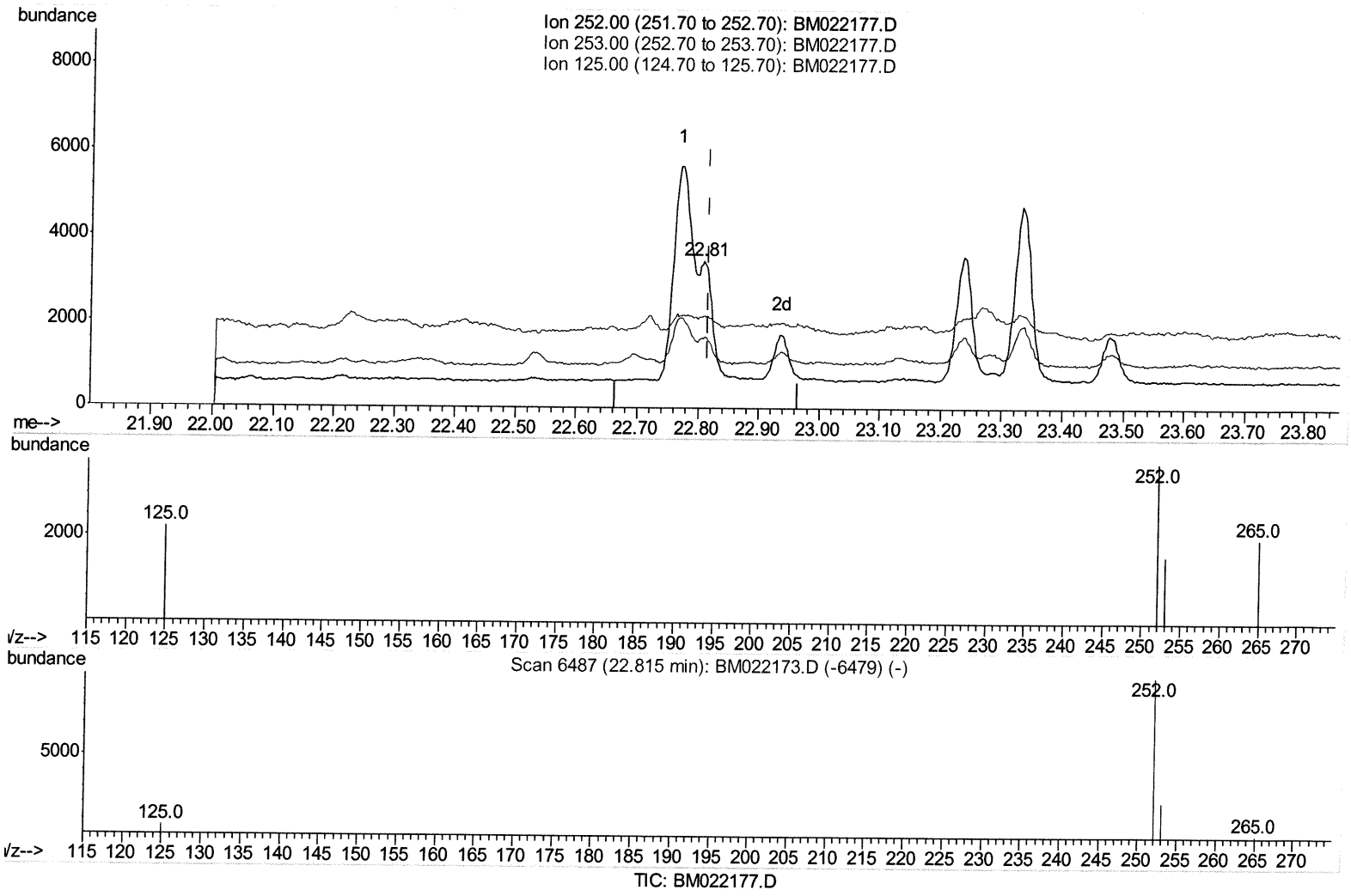
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	37.12
125.00	15.20	38.25#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 17 04:44:58 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 :
C0AF5DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:20 PM



TIC: BM022177.D

(22) Benzo(k)fluoranthene

22.808min (-0.007) 0.18ng/ul m JU 08/20/19

response 3583

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	47.34#
125.00	15.20	62.85#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF5DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:20 PM

Quant Time: Aug 17 04:46:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	738	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	3288	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	1996	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4606	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	4953	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	5347	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	323	0.06	ng/ul	0.02
14) Fluoranthene-d10	19.05	212	1006	0.06	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	13.98	152	1058	0.114	ng/ul#	80
9) Fluorene	15.32	166	357	0.042	ng/ul#	92
12) Phenanthrene	17.06	178	6489	0.484	ng/ul	99
13) Anthracene	17.15	178	1810	0.158	ng/ul#	93
15) Fluoranthene	19.08	202	15480	0.862	ng/ul	96
17) Pyrene	19.45	202	14084	0.692	ng/ul	99
18) Benzo(a)anthracene	21.21	228	9483	0.535	ng/ul#	88
19) Chrysene	21.26	228	7657	0.336	ng/ul#	86
21) Benzo(b)fluoranthene	22.77	252	11234m	0.623	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	3583m	0.176	ng/ul	
23) Benzo(a)pyrene	23.33	252	7814	0.426	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.65	276	5226	0.239	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.64	278	1370	0.077	ng/ul#	1
26) Benzo(g,h,i)perylene	26.33	276	4215	0.214	ng/ul#	61

JU 08/20/19

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