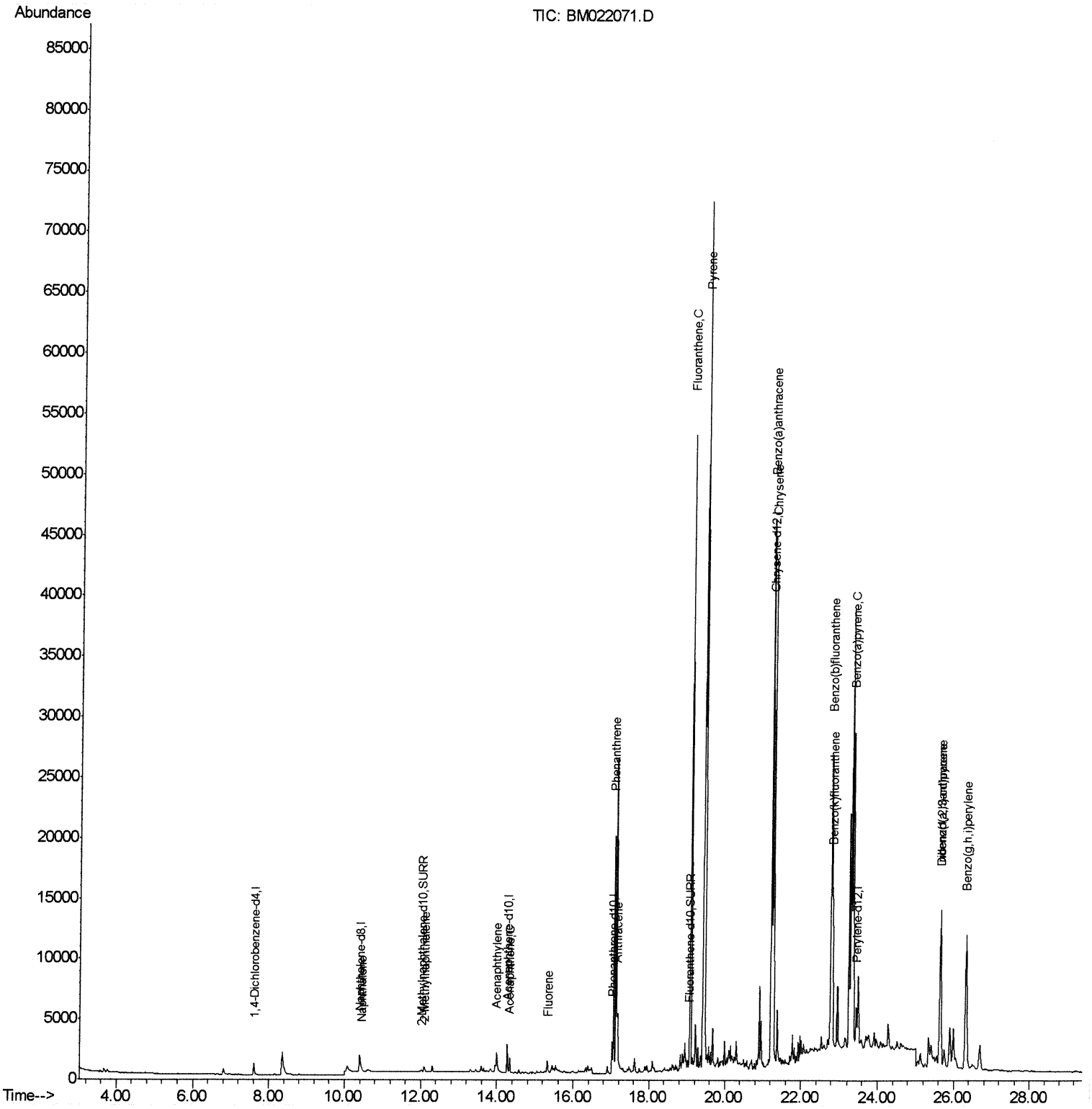
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022071.D
Acq On : 13 Aug 2019 15:44
Operator : HP/JU
Sample : K4041-15DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 13 17:50:44 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW8DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:23 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022071.D
Acq On : 13 Aug 2019 15:44
Operator : HP/JU
Sample : K4041-15DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 13 17:49:03 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW8DL

Manual Integrations APPROVED
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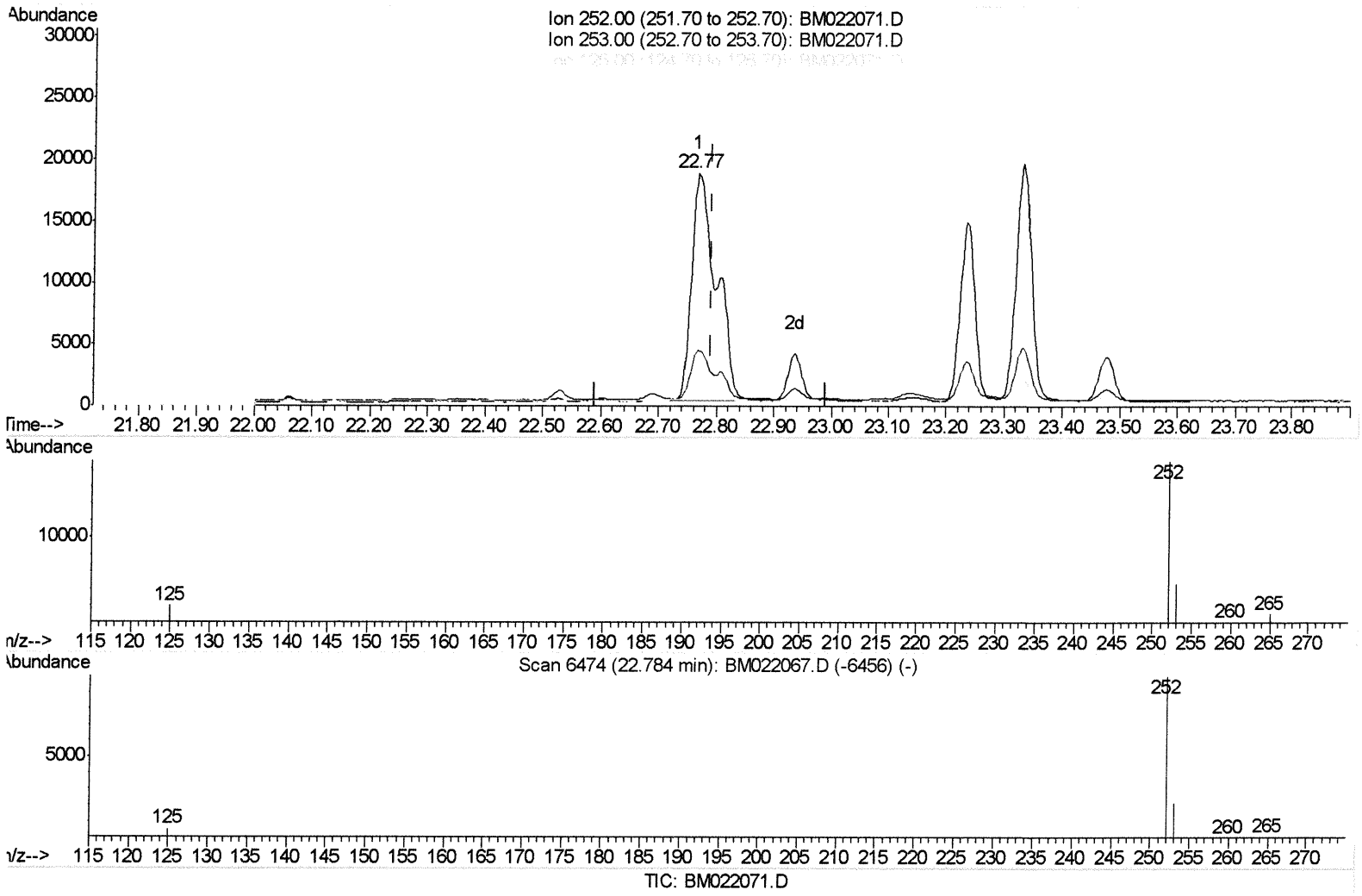


TIC: BM022071.D

(21) Benzo(b)fluoranthene

22.766min (-0.024) 4.25ng/ul

response 55613

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.16
125.00	15.50	10.61
0.00	0.00	0.00

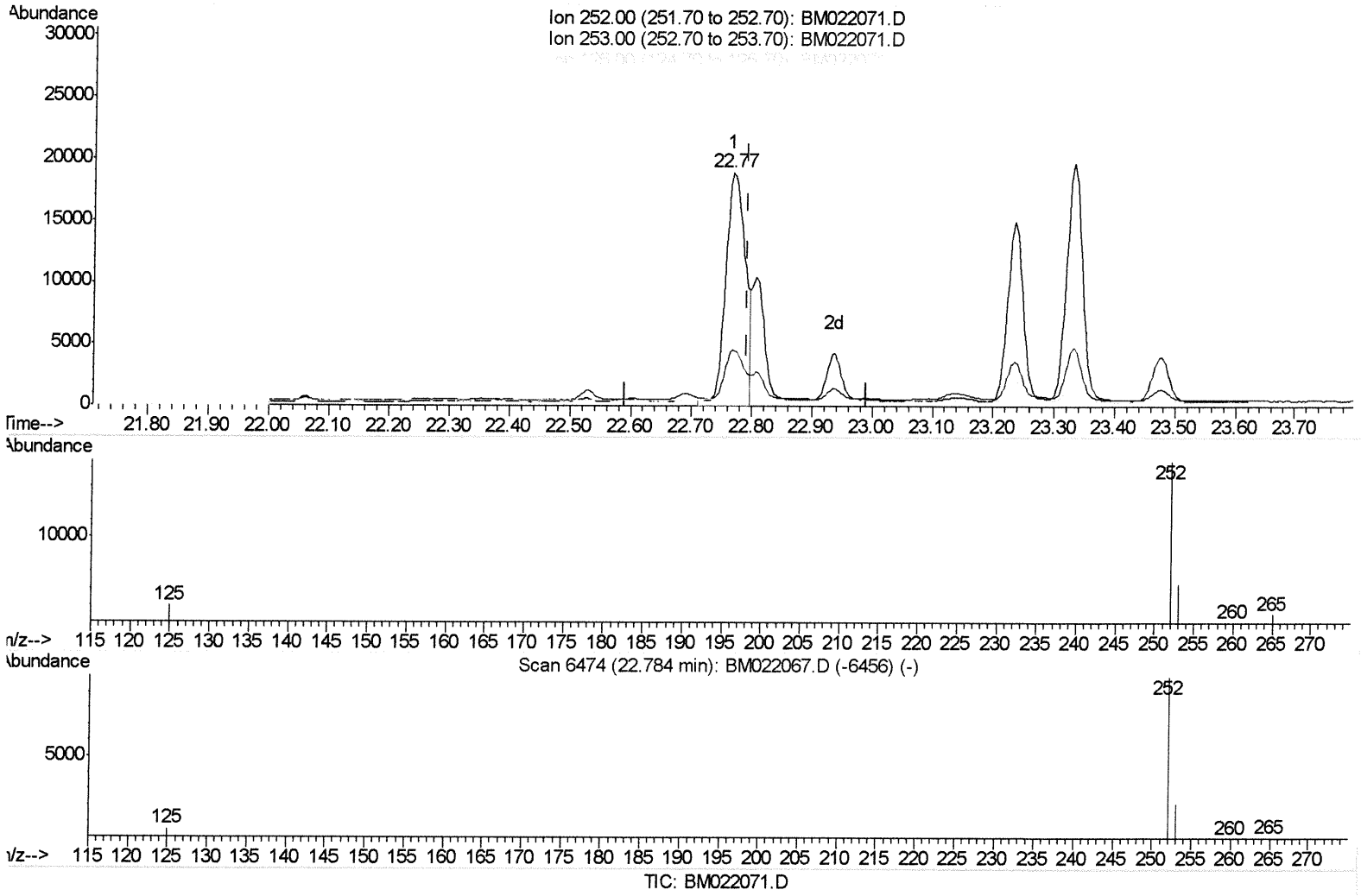
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022071.D
Acq On : 13 Aug 2019 15:44
Operator : HP/JU
Sample : K4041-15DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 13 17:49:03 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW8DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:23 PM



TIC: BM022071.D

(21) Benzo(b)fluoranthene

22.766min (-0.024) 3.25ng/ul m JU 08/14/19

response 42566

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.16
125.00	15.50	10.61
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022071.D
Acq On : 13 Aug 2019 15:44
Operator : HP/JU
Sample : K4041-15DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 13 17:49:03 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW8DL

Manual Integrations APPROVED
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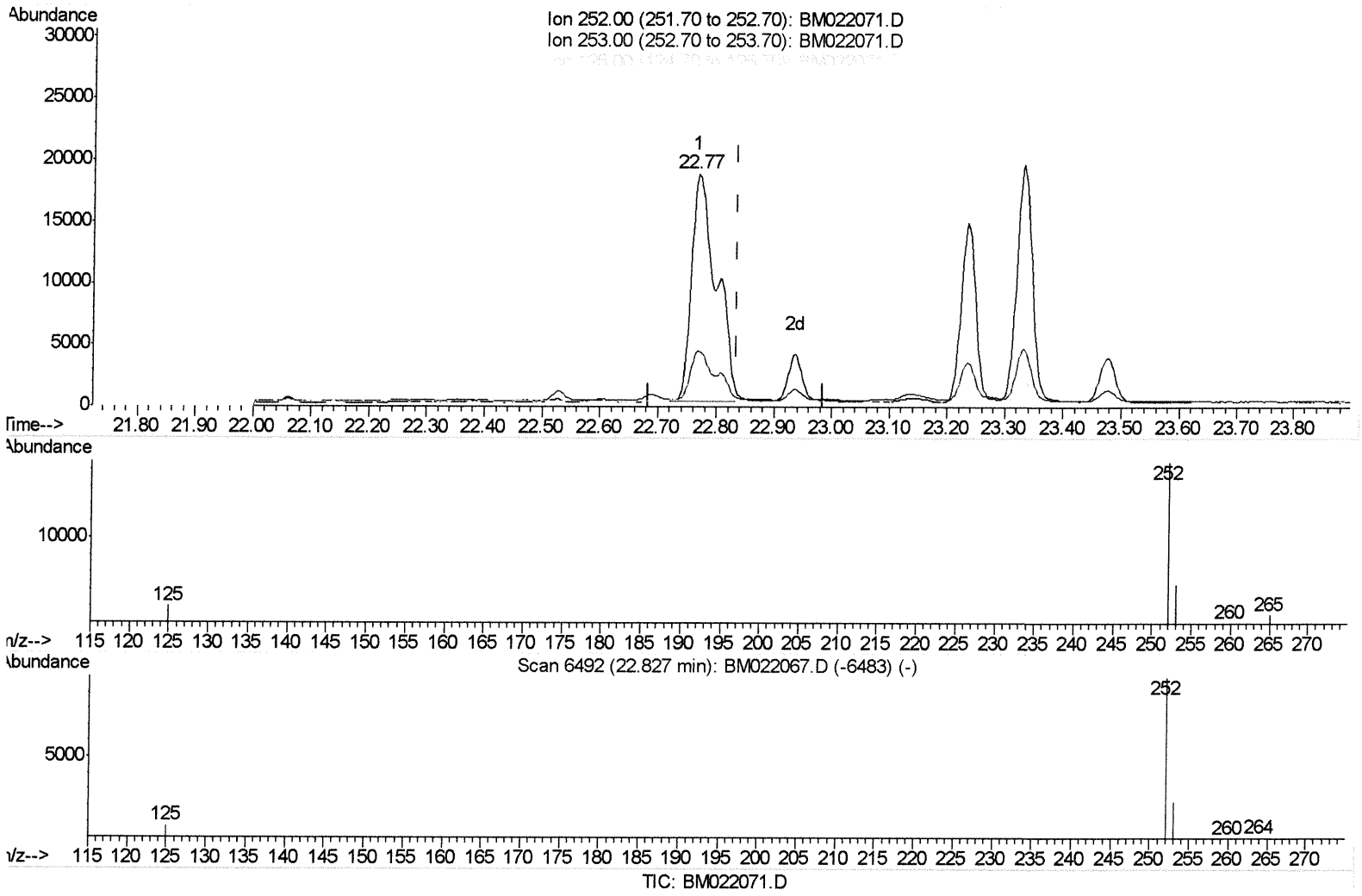

TIC: BM022071.D

(22) Benzo(k)fluoranthene

22.766min (-0.068) 3.75ng/ul

response 55600

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.16#
125.00	15.20	10.61#
0.00	0.00	0.00

Quantitation Report (Quant)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022071.D
Acq On : 13 Aug 2019 15:44
Operator : HP/JU
Sample : K4041-15DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 13 17:49:03 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW8DL

Manual Integrations APPROVED
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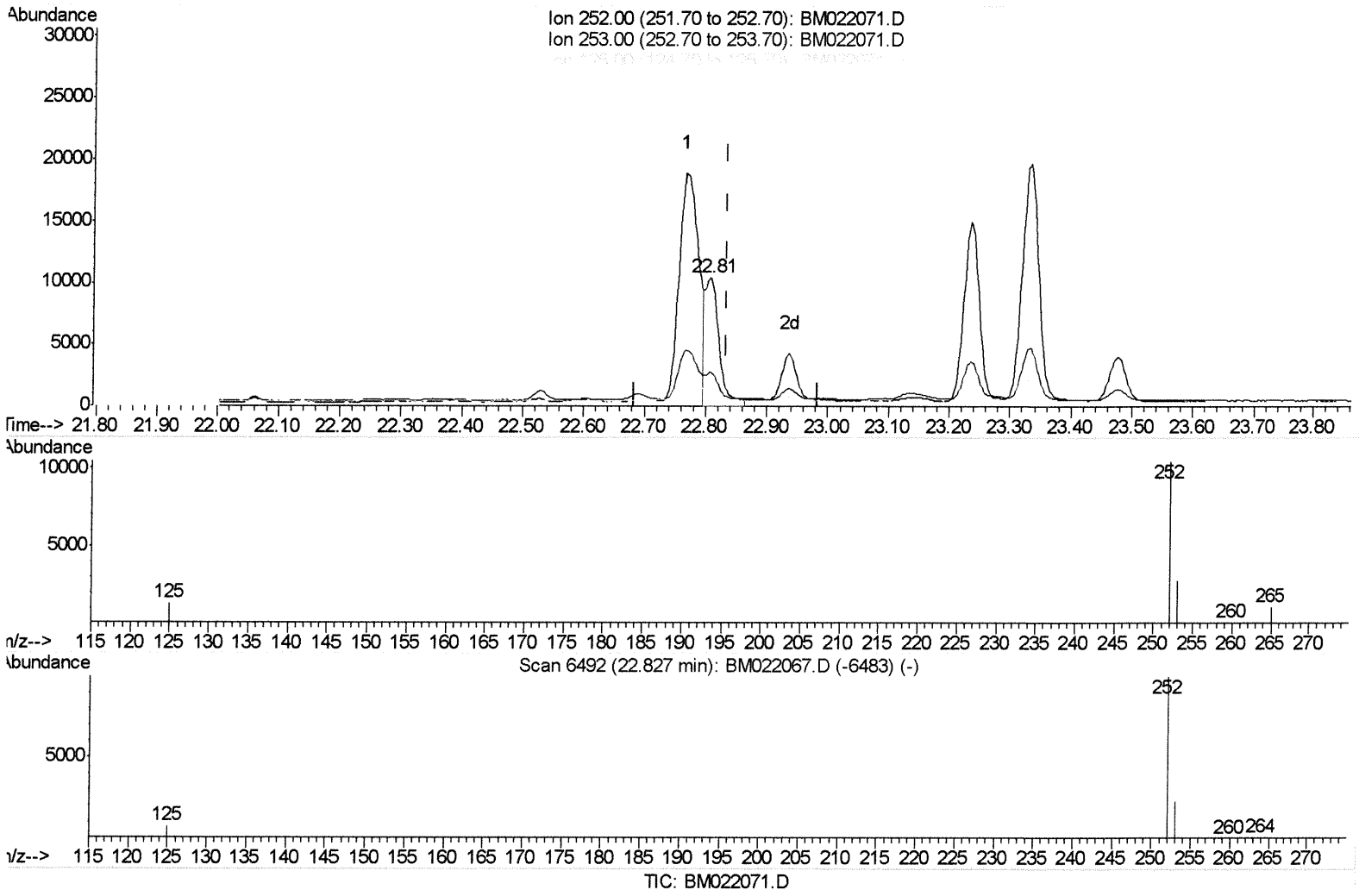

(22) Benzo(k)fluoranthene

22.808min (-0.027) 1.12ng/ul m JU 08/14/19

response 16548

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.55#
125.00	15.20	12.71
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022071.D
Acq On : 13 Aug 2019 15:44
Operator : HP/JU
Sample : K4041-15DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 13 17:50:44 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : BENW8DL

Manual Integrations APPROVED
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8/15/2019 5:07:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	606	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	2591	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	1395	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	3322	0.40	ng/ul	0.02
16) Chrysene-d12	21.22	240	3561	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	3885	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	276	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	744	0.07	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.45	128	660	0.090	ng/ul#	77
5) 2-Methylnaphthalene	12.09	142	458	0.094	ng/ul	96
7) Acenaphthylene	13.99	152	2025	0.311	ng/ul#	84
8) Acenaphthene	14.32	153	842	0.158	ng/ul	94
9) Fluorene	15.33	166	763	0.129	ng/ul#	96
12) Phenanthrene	17.06	178	21195	2.193	ng/ul	96
13) Anthracene	17.15	178	5354	0.649	ng/ul	98
15) Fluoranthene	19.08	202	44733	3.455	ng/ul	97
17) Pyrene	19.45	202	62065	4.241	ng/ul	99
18) Benzo(a)anthracene	21.20	228	37414	2.937	ng/ul	99
19) Chrysene	21.26	228	41879	2.557	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	42566m	3.249	ng/ul	96
22) Benzo(k)fluoranthene	22.81	252	16548m	1.116	ng/ul	96
23) Benzo(a)pyrene	23.33	252	35124	2.636	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.63	276	20546	1.292	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.64	278	6290	0.489	ng/ul	96
26) Benzo(g,h,i)perylene	26.31	276	23462	1.638	ng/ul	98

JU 08/14/19

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