Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:46:02 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 :
BENW6DL

Manual Integrations APPROVED
mohammad
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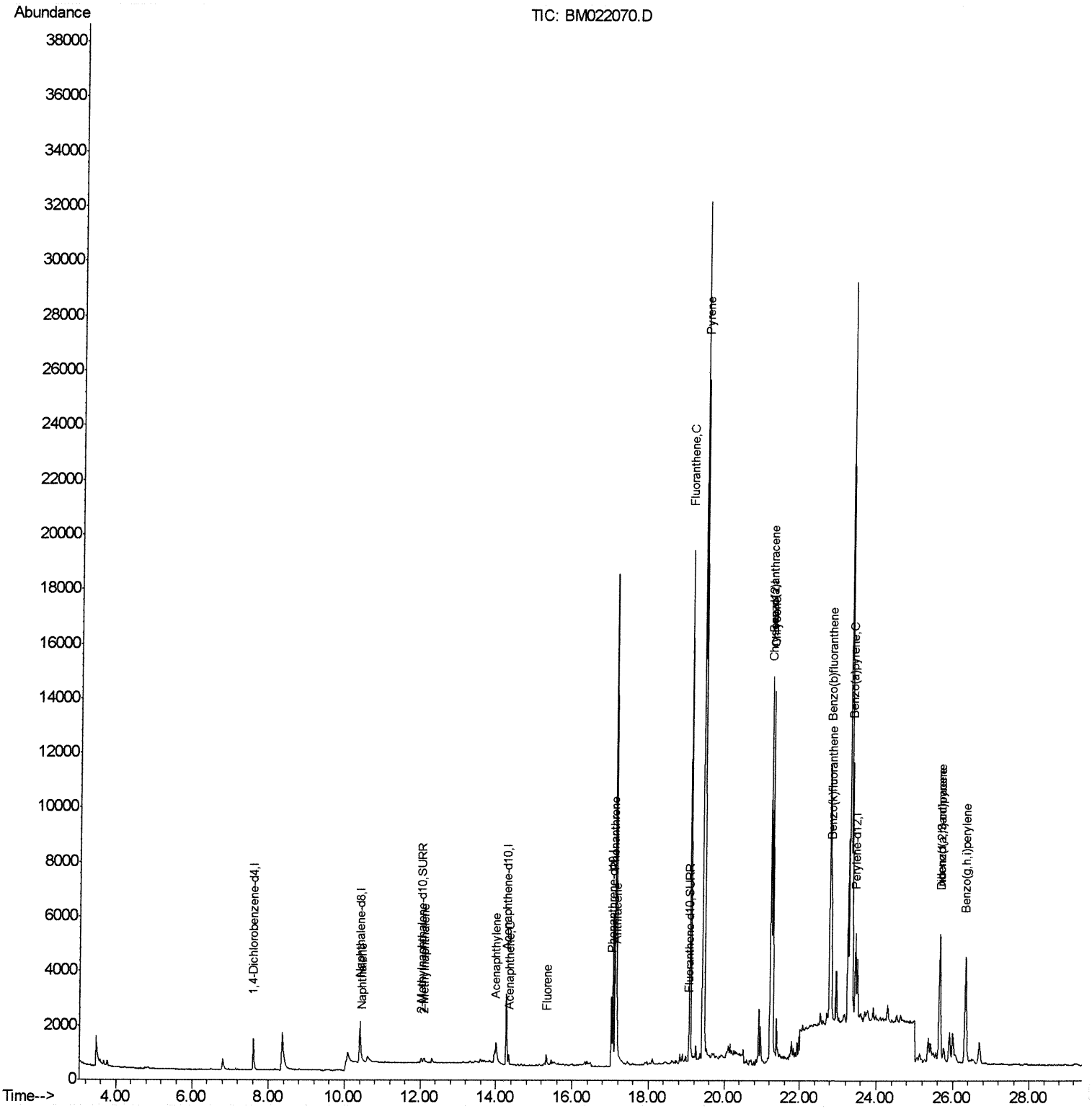

Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:44:30 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 :
BENW6DL

Manual Integrations APPROVED
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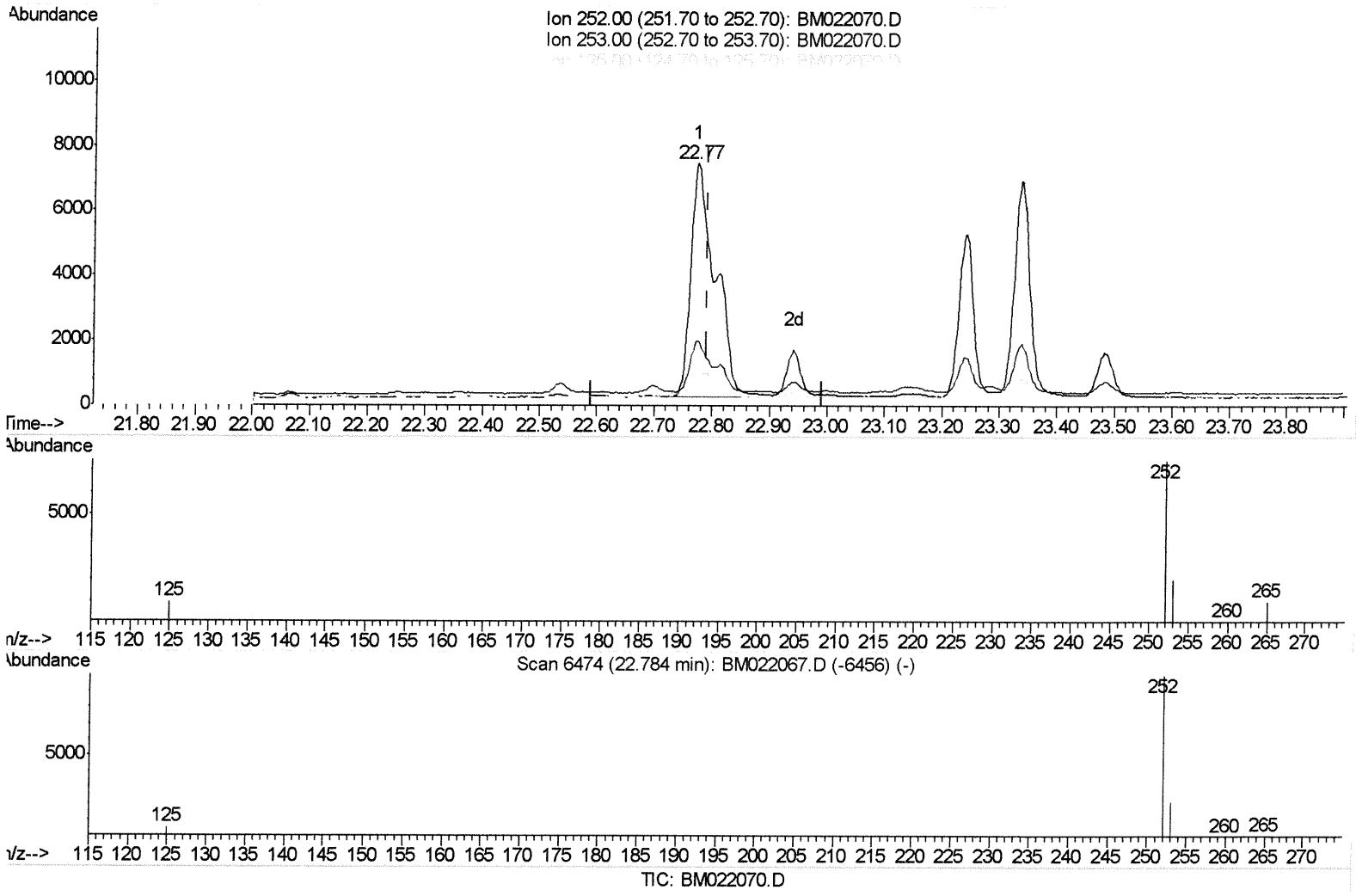


TIC: BM022070.D

(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.72ng/ul

response 21507

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.65
125.00	15.50	12.91
0.00	0.00	0.00

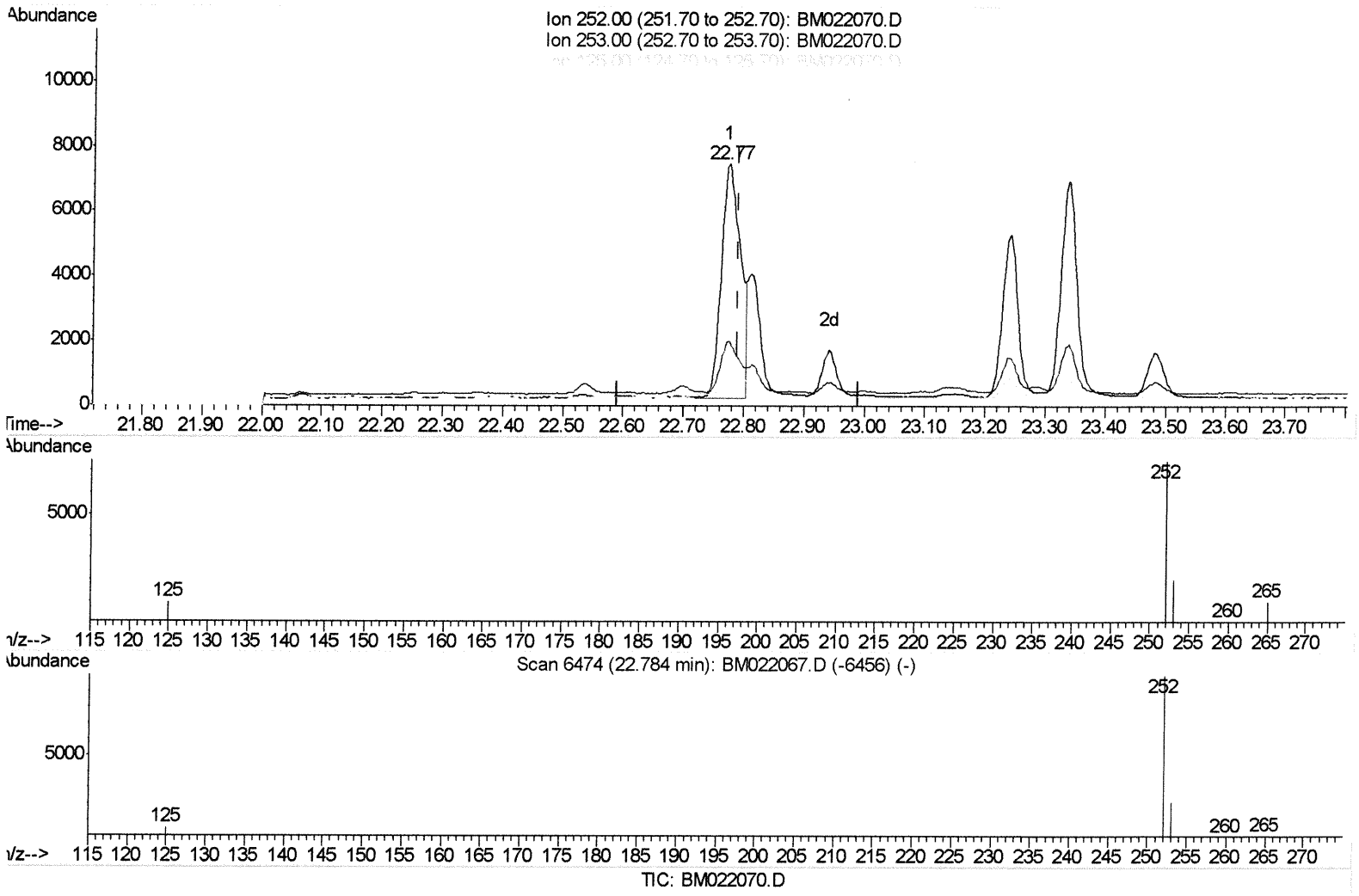
Quantitation Report (Qual)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:44:30 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 :
BENW6DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:19 PM



TIC: BM022070.D

(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.28ng/ul m JU 08/14/19

response 15949

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.65
125.00	15.50	12.91
0.00	0.00	0.00

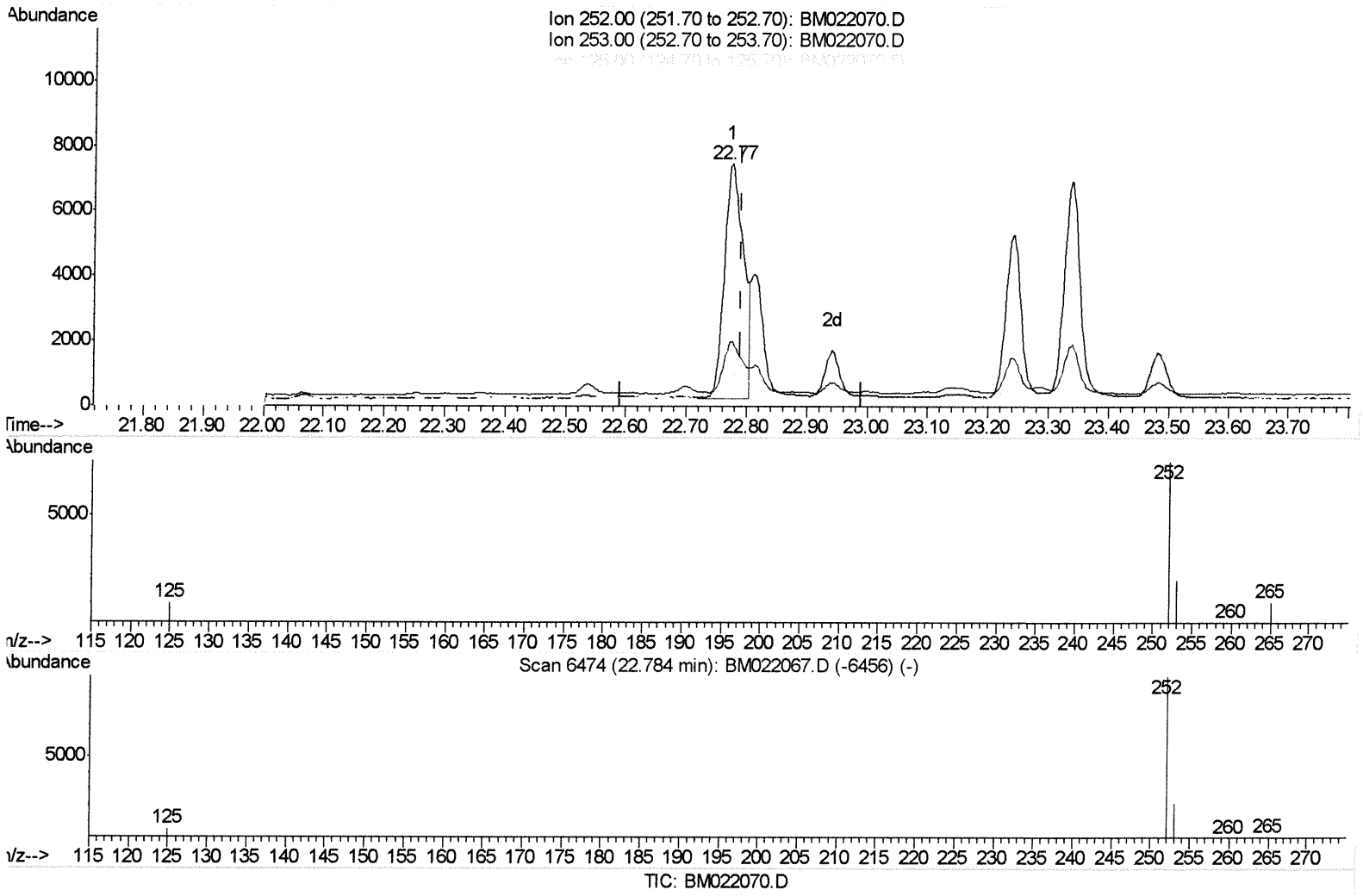
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:44:30 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 :
BENW6DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:19 PM



TIC: BM022070.D

(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.28ng/ul m JU 08/14/19

response 15949

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.65
125.00	15.50	12.91
0.00	0.00	0.00

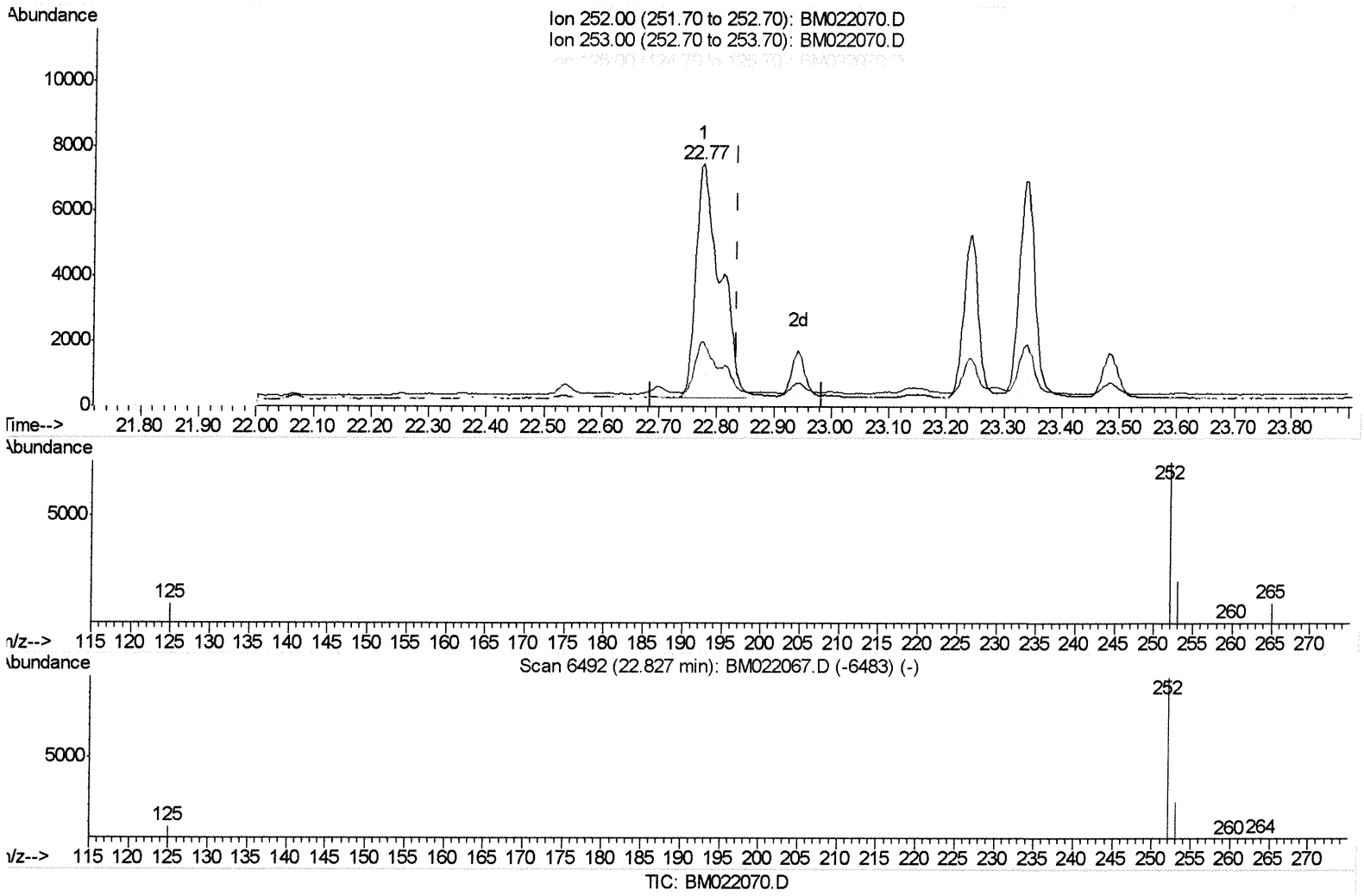
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:44:30 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 :
BENW6DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:19 PM



TIC: BM022070.D

(22) Benzo(k)fluoranthene

22.774min (-0.061) 1.52ng/ul

response 21543

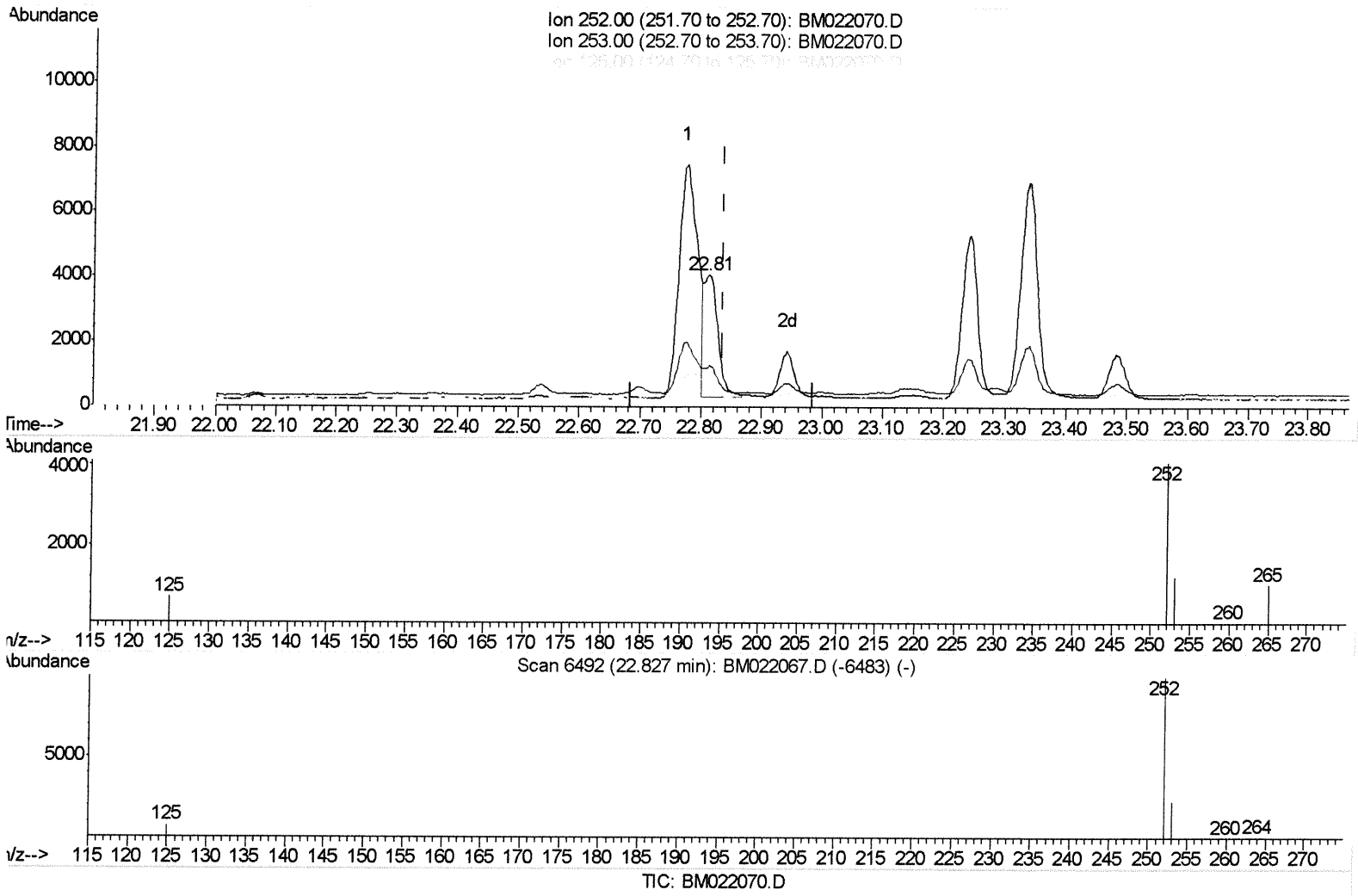
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.65#
125.00	15.20	12.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:44:30 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 :
BENW6DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:19 PM



TIC: BM022070.D

(22) Benzo(k)fluoranthene

22.810min (-0.024) 0.43ng/ul m JU 08/14/19

response 6039

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.23
125.00	15.20	17.38
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 13 17:46:02 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 : BENW6DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:07:19 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	706	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	2975	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	1557	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	3420	0.40	ng/ul	0.02
16) Chrysene-d12	21.22	240	3569	0.40	ng/ul	-0.02
20) Perylene-d12	23.44	264	3705	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	358	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	765	0.07	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.45	128	339	0.040	ng/ul#	48
5) 2-Methylnaphthalene	12.10	142	178	0.032	ng/ul	100
7) Acenaphthylene	13.99	152	954	0.131	ng/ul#	81
8) Acenaphthene	14.33	153	249	0.042	ng/ul#	91
9) Fluorene	15.33	166	319	0.048	ng/ul#	94
12) Phenanthrene	17.06	178	6468	0.650	ng/ul	99
13) Anthracene	17.16	178	1908	0.225	ng/ul	95
15) Fluoranthene	19.09	202	17686	1.327	ng/ul	97
17) Pyrene	19.45	202	21603	1.473	ng/ul	98
18) Benzo(a)anthracene	21.21	228	12066	0.945	ng/ul	98
19) Chrysene	21.26	228	14054	0.856	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	15949m →	1.277	ng/ul	> JU 08/14/19
22) Benzo(k)fluoranthene	22.81	252	6039m →	0.427	ng/ul	> JU 08/14/19
23) Benzo(a)pyrene	23.34	252	12167	0.958	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.64	276	7970	0.525	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.65	278	2173	0.177	ng/ul#	81
26) Benzo(g,h,i)perylene	26.32	276	8331	0.610	ng/ul	99

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