Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 13 18:02:15 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 :
BENW9DL

Manual Integrations APPROVED
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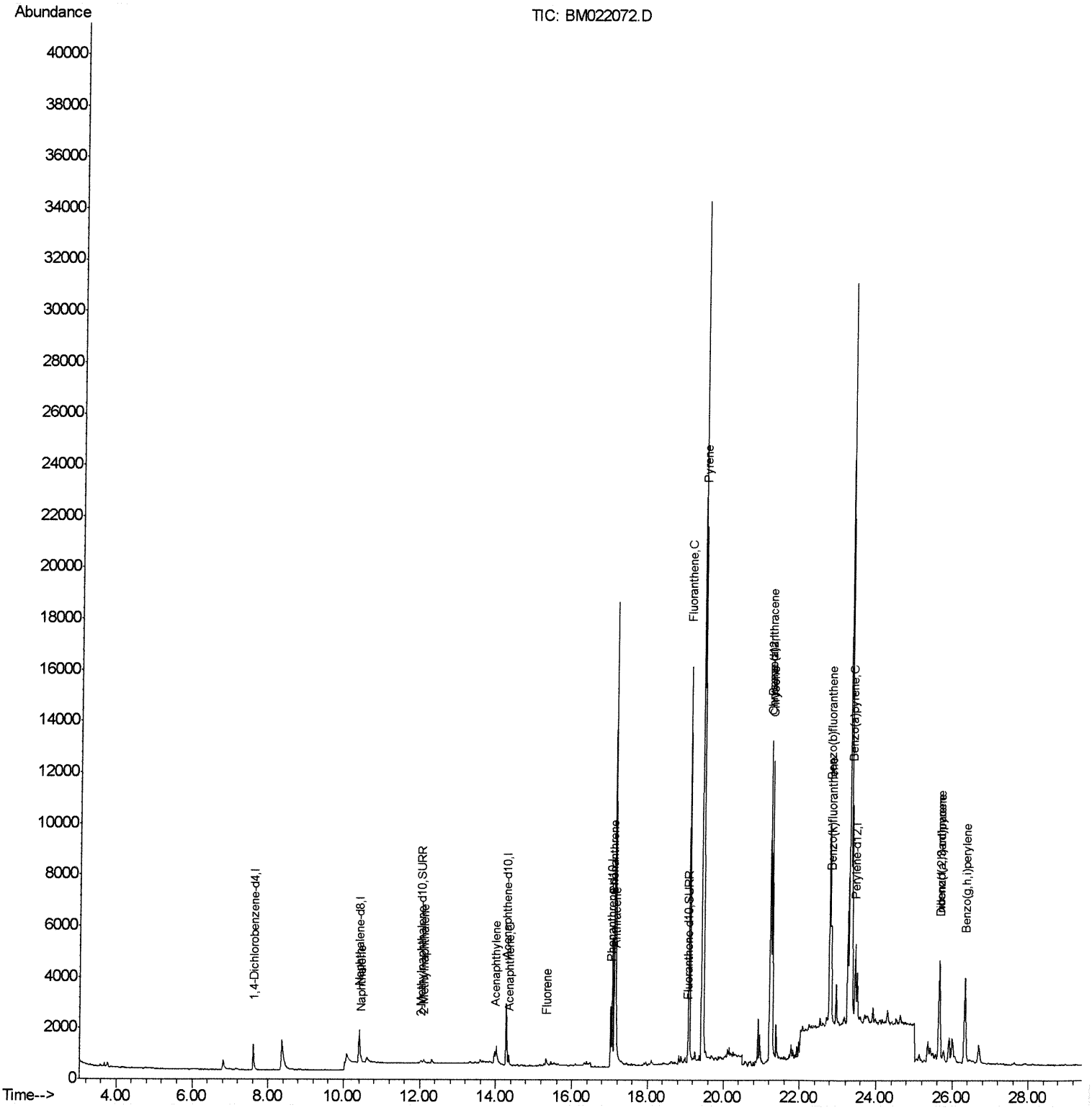

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 13 17:57:32 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW9DL

Manual Integrations APPROVED
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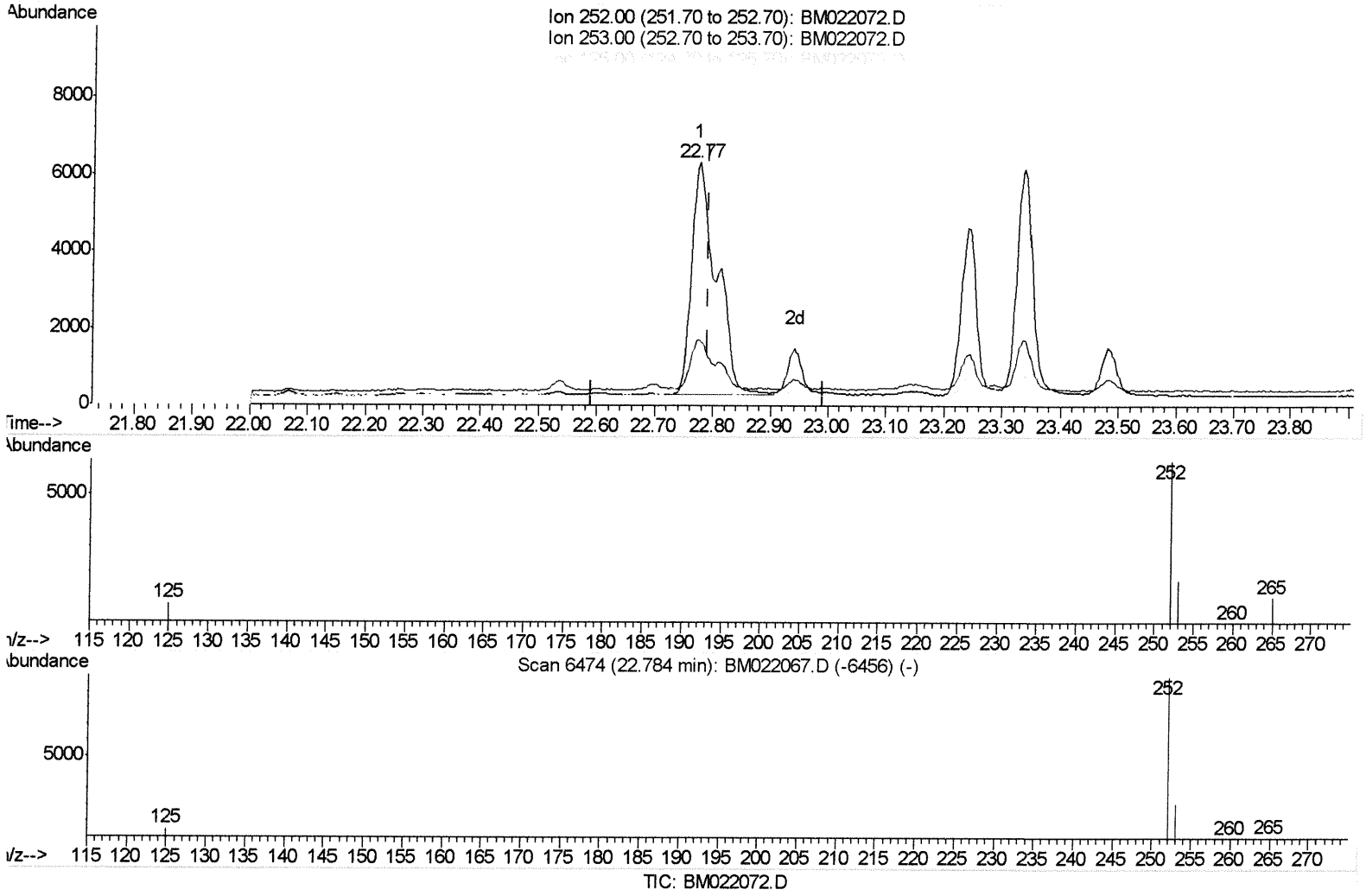

TIC: BM022072.D

(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.54ng/ul

response 18123

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.98
125.00	15.50	12.43
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 13 17:57:32 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 : Tue Aug 13 17:32:37 2019
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Instrument :
BNA_M
ClientSampleId :
BENW9DL

Manual Integrations APPROVED
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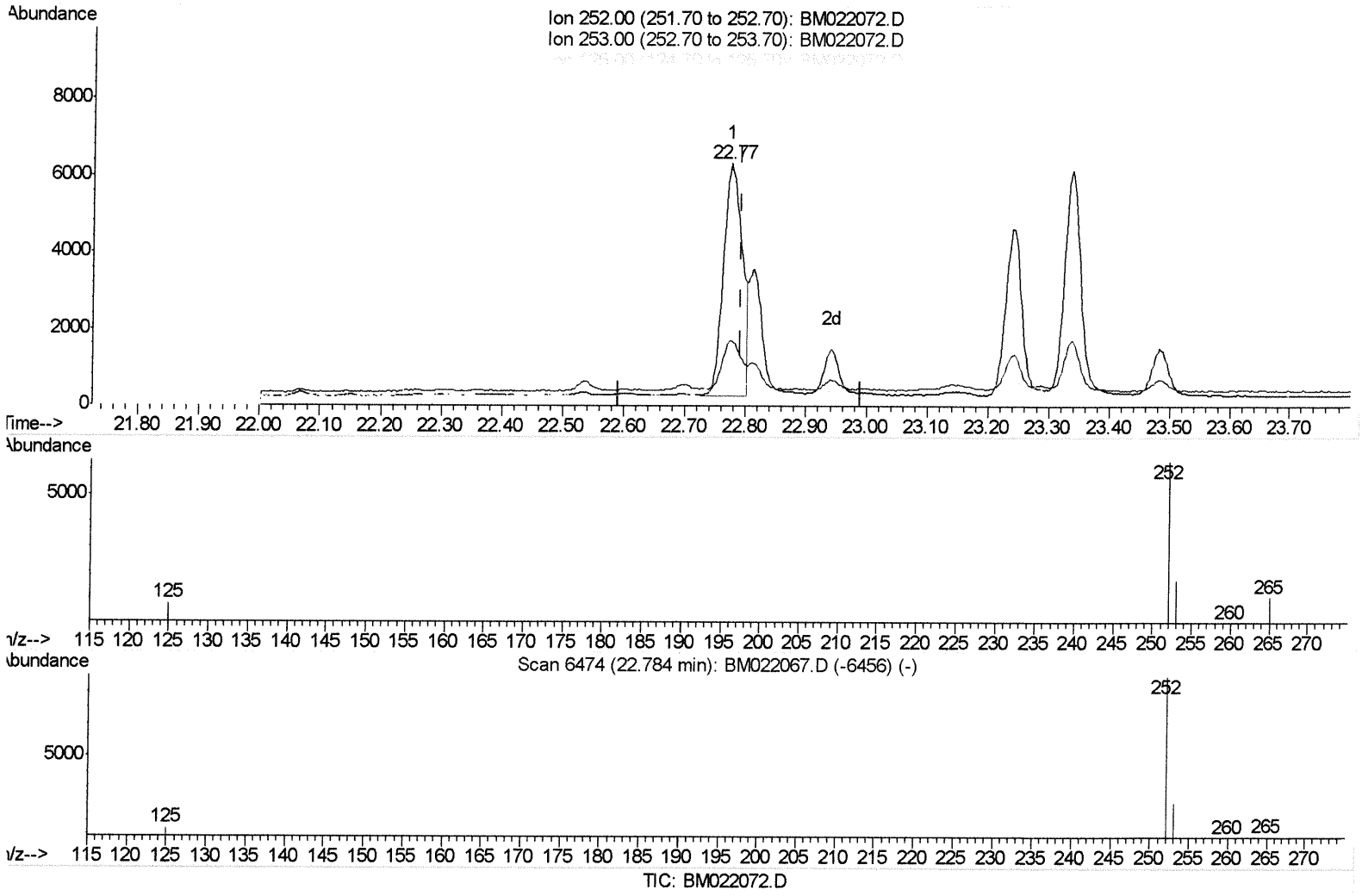
8/15/2019 5:07:25 PM



TIC: BM022072.D

(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.11ng/ul m JU 08/14/19

response 13014

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.98
125.00	15.50	12.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 13 17:57:32 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW9DL

Manual Integrations APPROVED
mohammad
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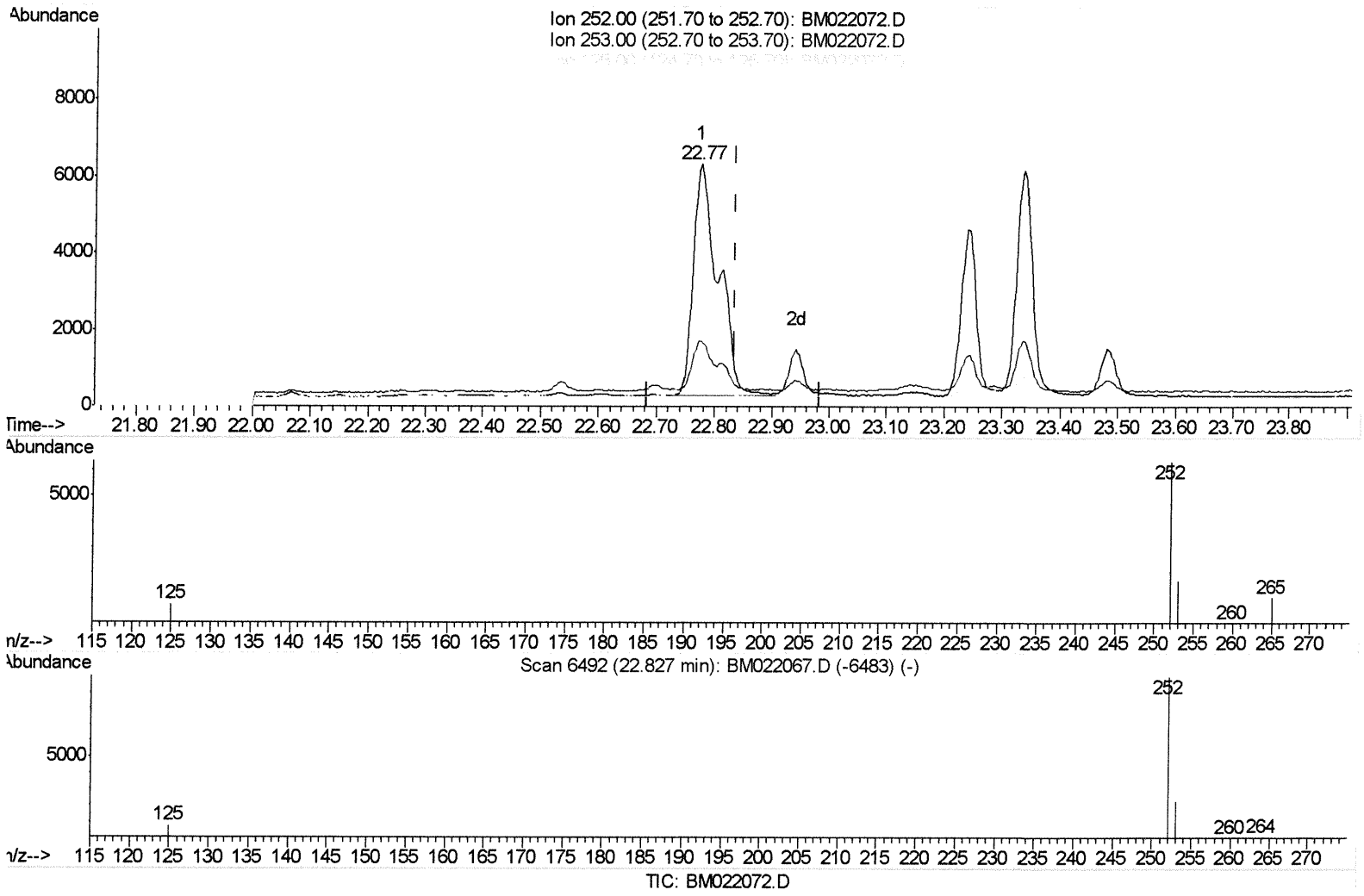

TIC: BM022072.D

(22) Benzo(k)fluoranthene

22.774min (-0.060) 1.36ng/ul

response 18123

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.98
125.00	15.20	12.43
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 13 17:57:32 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENW9DL

Manual Integrations APPROVED
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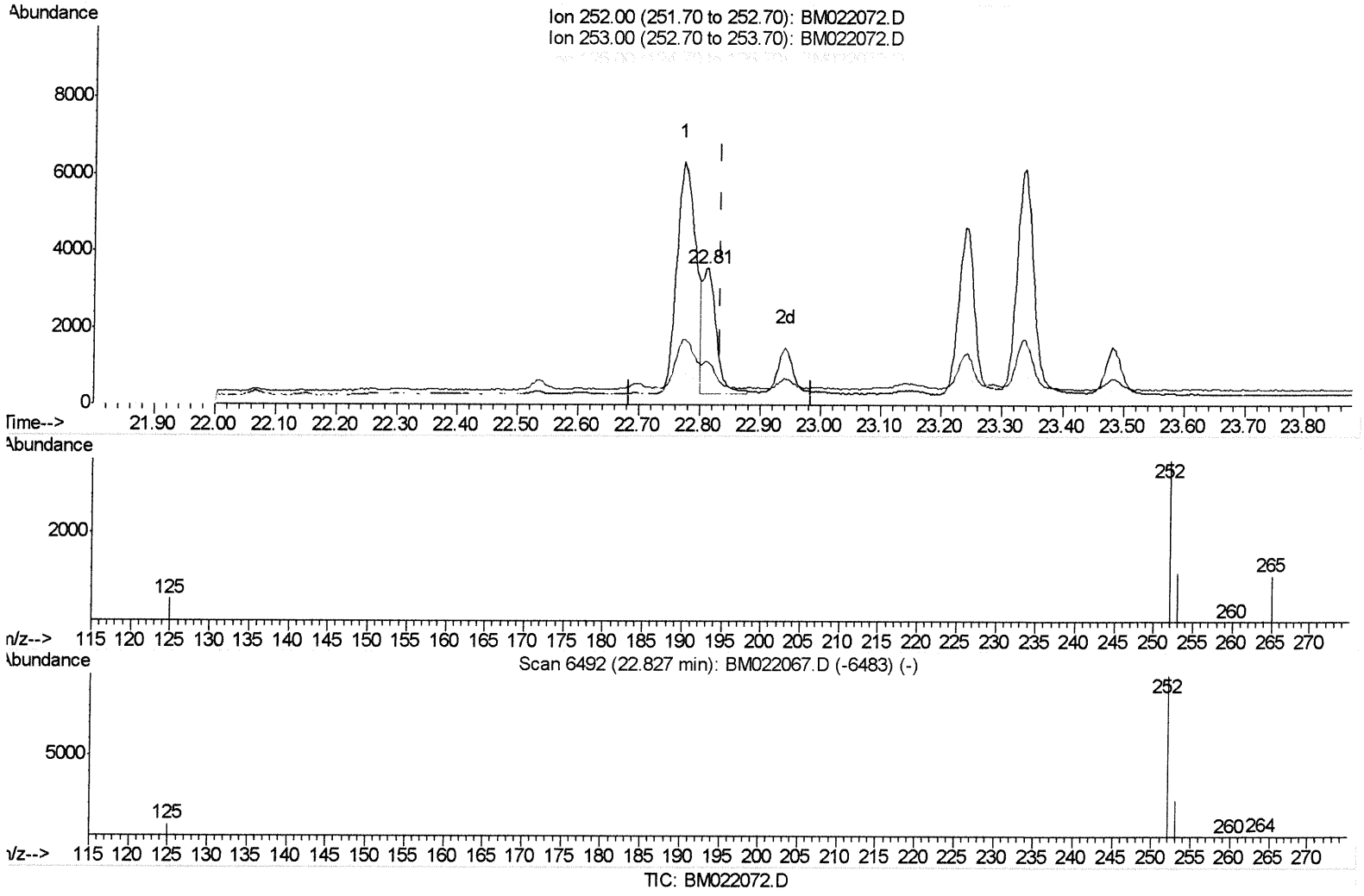

(22) Benzo(k)fluoranthene

22.813min (-0.022) 0.39ng/ul m JU 08/14/19

response 5199

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.70
125.00	15.20	15.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 13 18:02:15 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 : BENW9DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	636	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	2678	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	1444	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3190	0.40	ng/ul	0.02
16) Chrysene-d12	21.22	240	3390	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	3492	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	255	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	597	0.06	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.46	128	271	0.036	ng/ul#	42
5) 2-Methylnaphthalene	12.10	142	143	0.028	ng/ul	100
7) Acenaphthylene	13.99	152	616	0.091	ng/ul#	75
8) Acenaphthene	14.33	153	258	0.047	ng/ul#	90
9) Fluorene	15.33	166	244	0.040	ng/ul#	91
12) Phenanthrene	17.07	178	6067	0.654	ng/ul	98
13) Anthracene	17.16	178	1482	0.187	ng/ul#	93
15) Fluoranthene	19.09	202	14977	1.205	ng/ul	98
17) Pyrene	19.45	202	18828	1.352	ng/ul	99
18) Benzo(a)anthracene	21.21	228	10830	0.893	ng/ul	98
19) Chrysene	21.26	228	10981	0.704	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	13014m→	1.105	ng/ul	98
22) Benzo(k)fluoranthene	22.81	252	5199m→	0.390	ng/ul	98
23) Benzo(a)pyrene	23.34	252	10856	0.907	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.65	276	6796	0.475	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.64	278	1947	0.168	ng/ul#	73
26) Benzo(g,h,i)perylene	26.32	276	7078	0.550	ng/ul	97

=JU 08/14/19

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