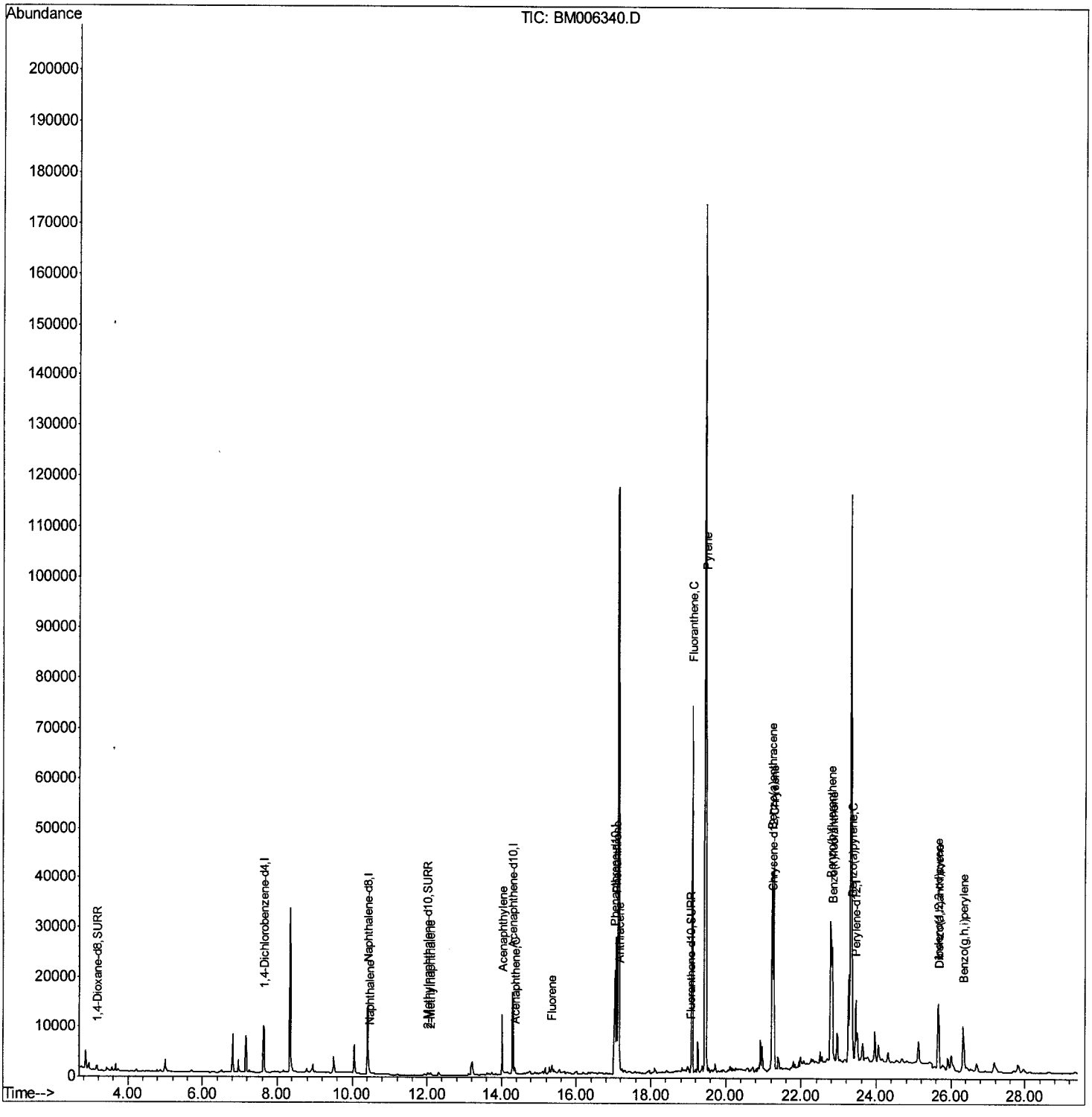
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:39:21 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVE
umangi
7/8/2016 7:14:25 PM



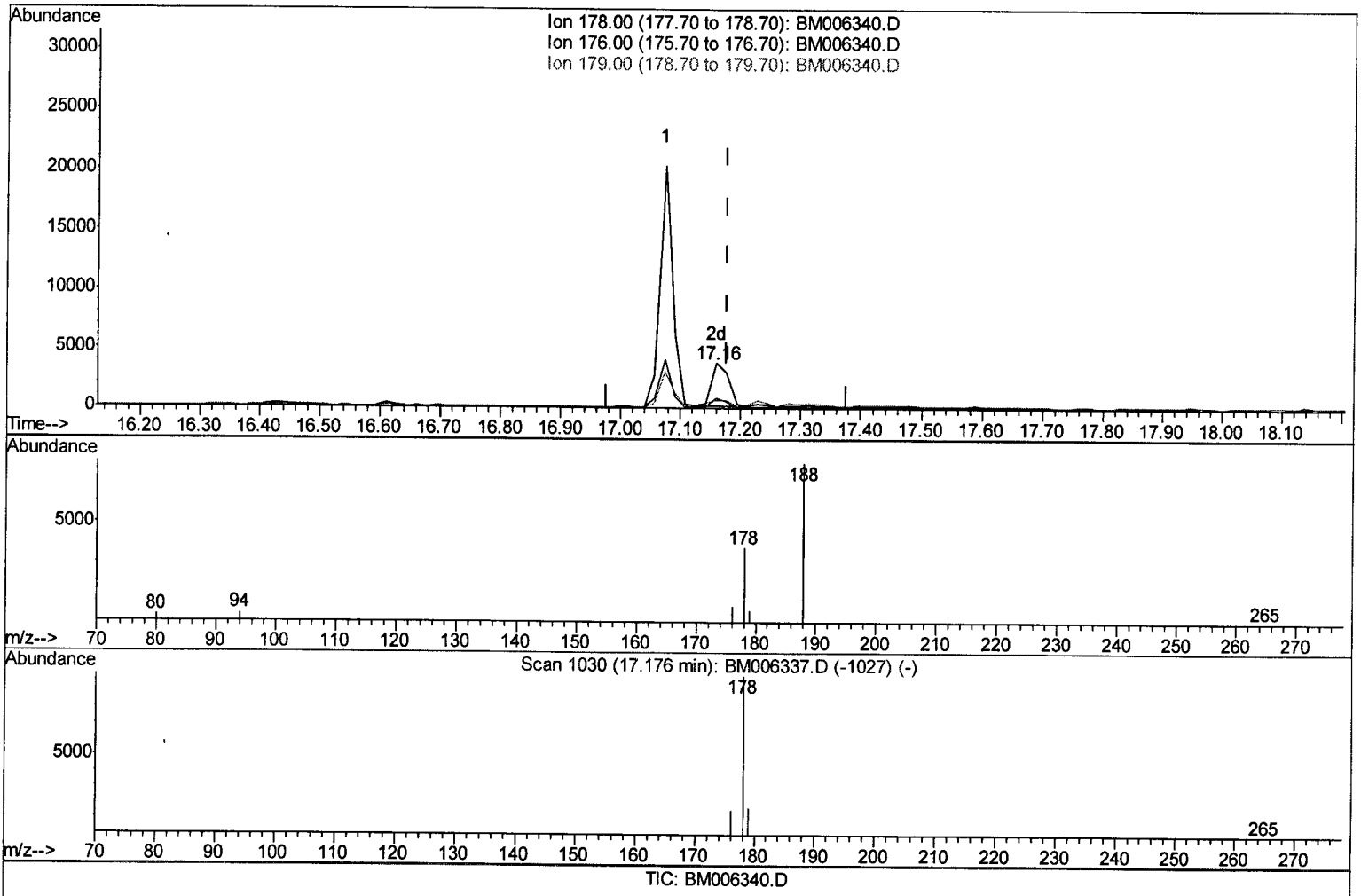
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:22:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVED
umangi
7/8/2016 7:14:25 PM



TIC: BM006340.D

(15) Anthracene

17.159min (-0.017) 0.10ng/ul m UM 07/13/16

response 6934

Ion	Exp%	Act%
178.00	100	100
176.00	17.50	22.93#
179.00	16.10	17.78
0.00	0.00	0.00

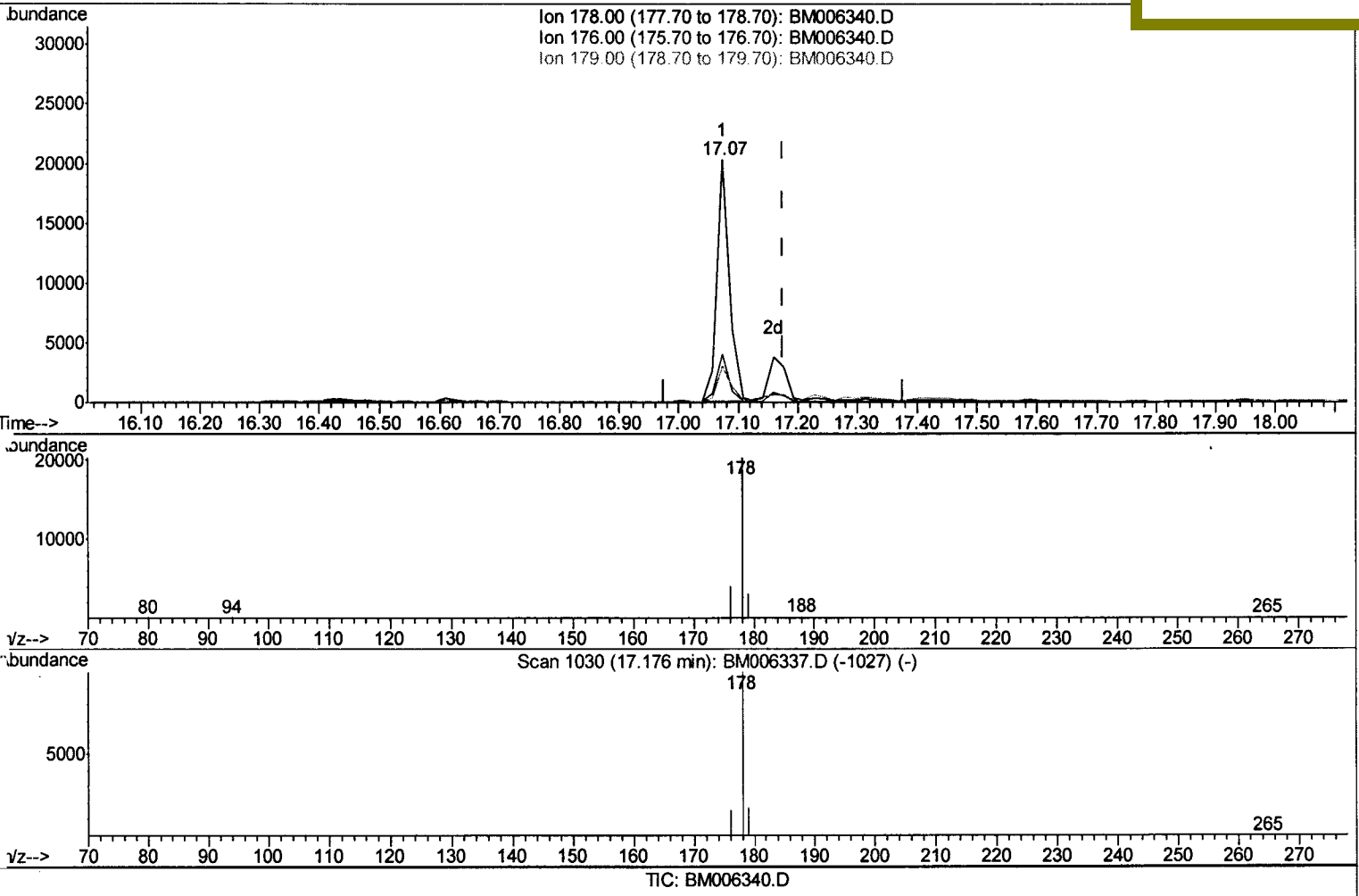
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:22:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVE
umangi
7/8/2016 7:14:25 PM



TIC: BM006340.D

(15) Anthracene

17.073min (-0.103) 0.44ng/ul

response 30126

Ion	Exp%	Act%
178.00	100	100
176.00	17.50	20.22
179.00	16.10	15.08
0.00	0.00	0.00

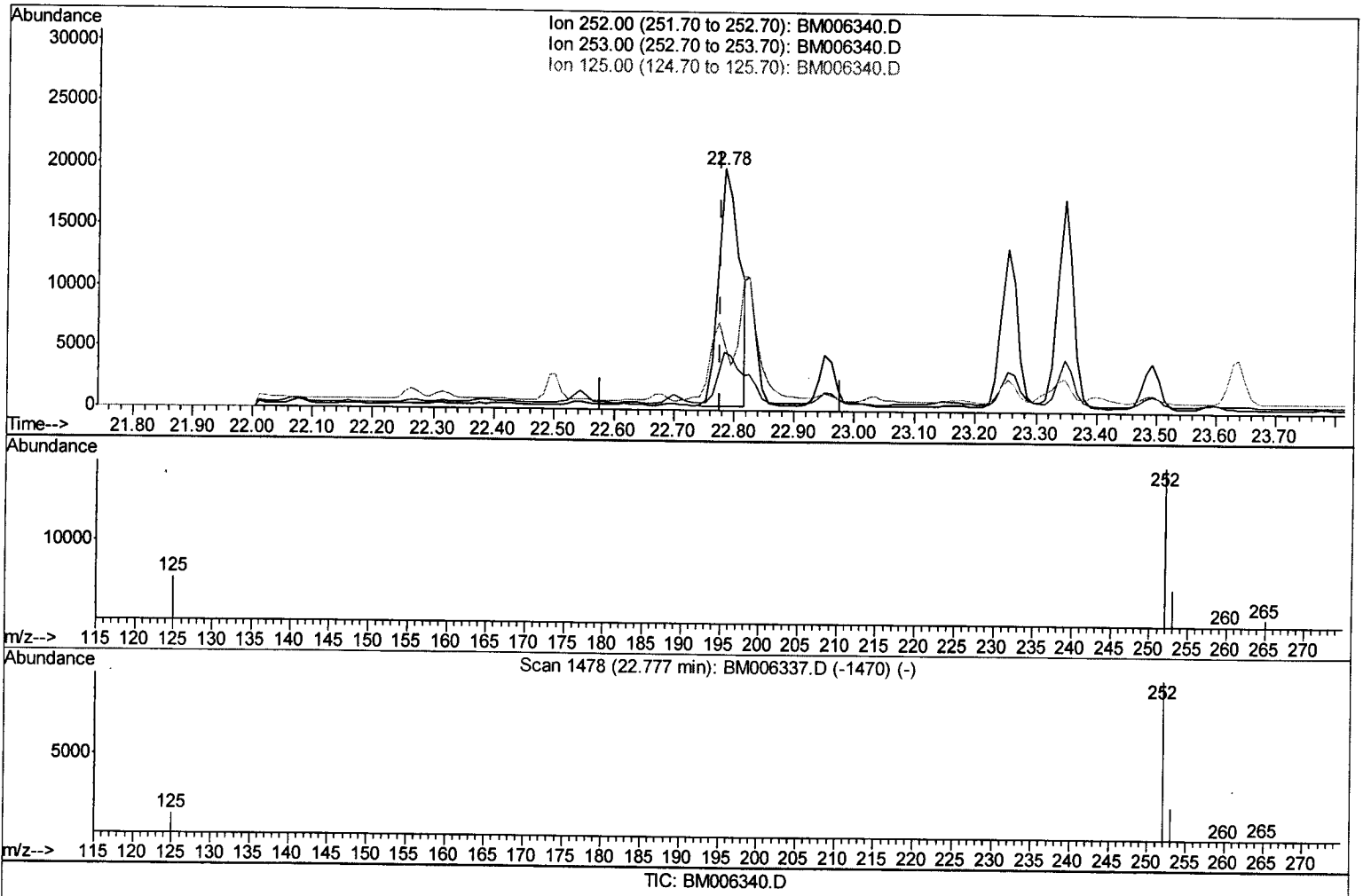
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:22:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVED
umangi
7/8/2016 7:14:25 PM



TIC: BM006340.D

(23) Benzo(b)fluoranthene

22.784min (+0.007) 0.82ng/ul m U.M 07/13/16

response 47465

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.13
125.00	14.40	27.52
0.00	0.00	0.00

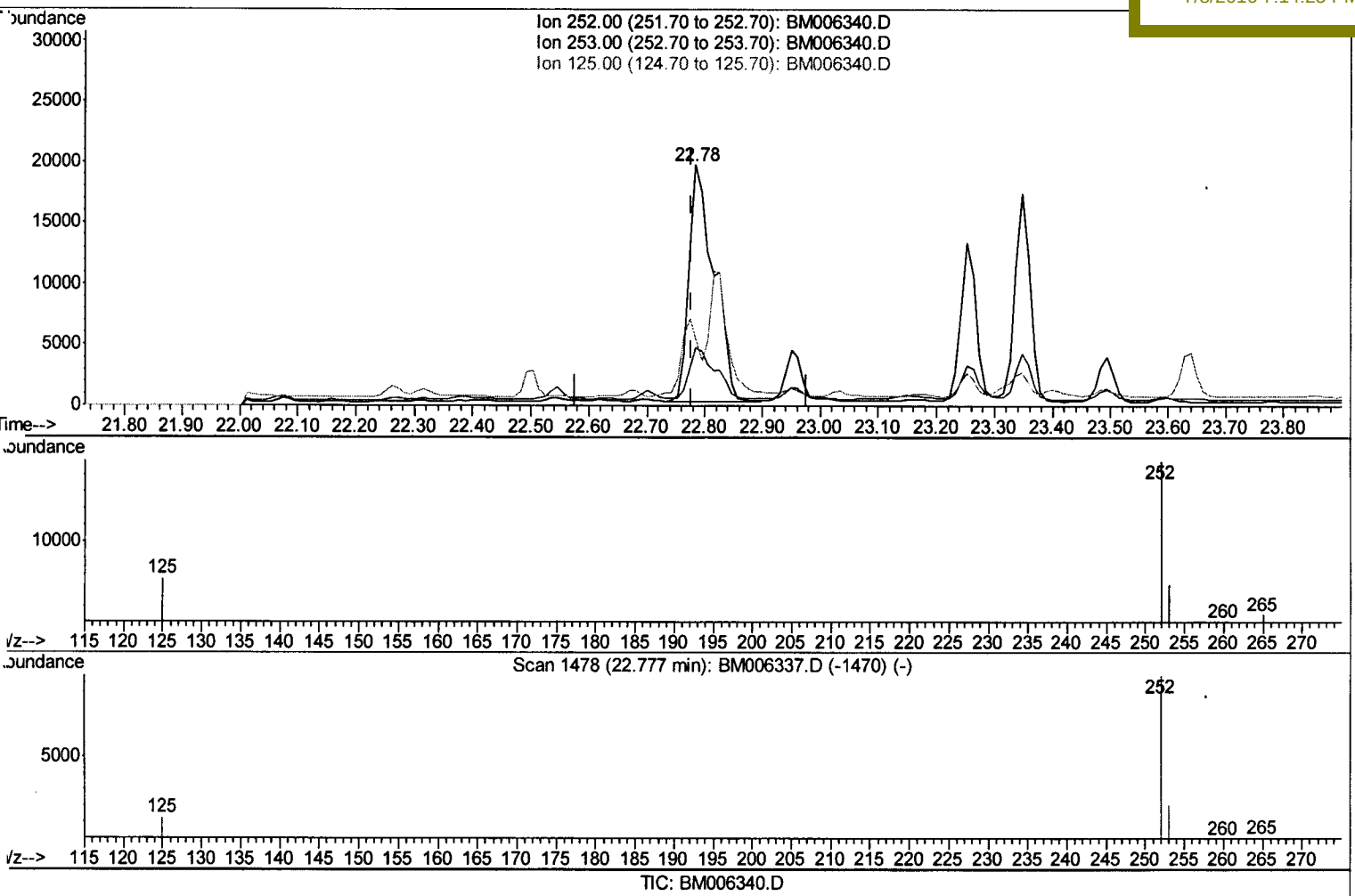
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:22:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVE
umangi
7/8/2016 7:14:25 PM



TIC: BM006340.D

(23) Benzo(b)fluoranthene

22.784min (+0.007) 1.02ng/ul

response 58785

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.13
125.00	14.40	27.52
0.00	0.00	0.00

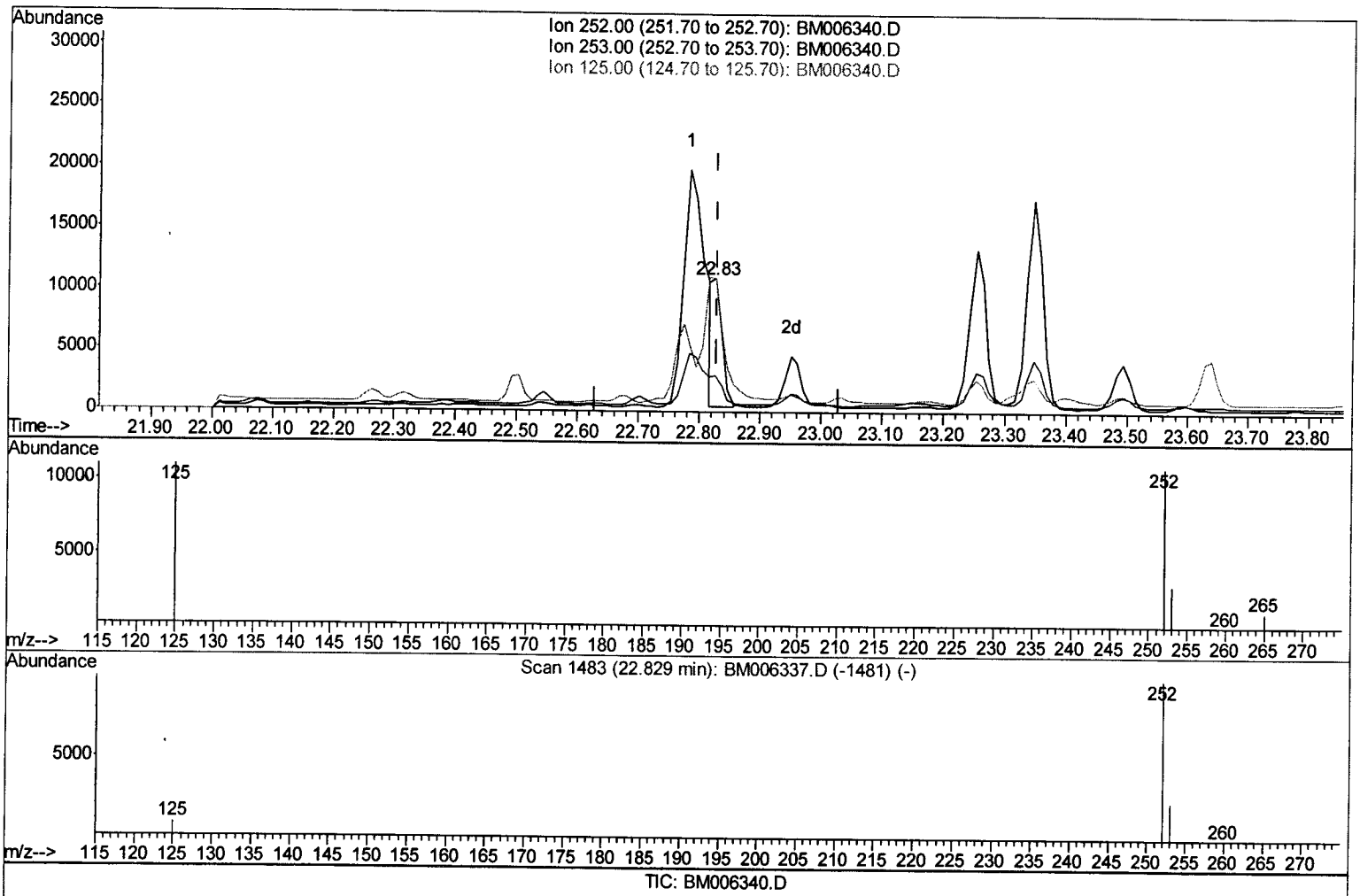
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:22:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVED
umangi
7/8/2016 7:14:25 PM



TIC: BM006340.D

(24) Benzo(k)fluoranthene

22.826min (-0.003) 0.21ng/ul m U.M 07/13/16

response 11093

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	27.50
125.00	13.00	100.06#
0.00	0.00	0.00

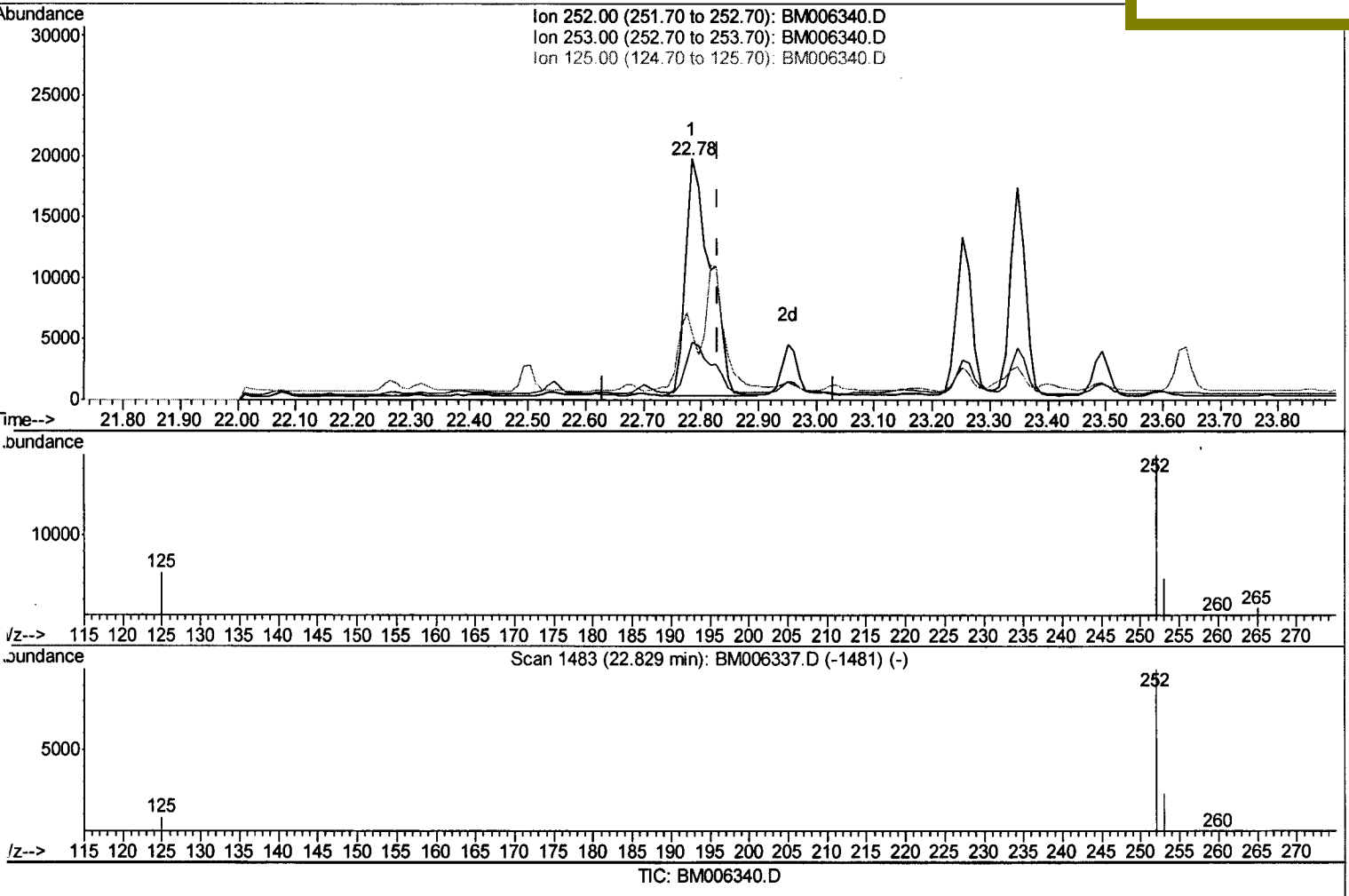
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 08 08:22:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integrati
APPROVE
umangi
7/8/2016 7:14:25 PM



(24) Benzo(k)fluoranthene

22.784min (-0.045) 1.09ng/ul

response 58785

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.13
125.00	13.00	27.52#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM070816\
Data File : BM006340.D
Acq On : 08 Jul 2016 04:19
Operator : UM/SJ
Sample : H3811-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Manual Integratio
APPROVE
umangi
7/8/2016 7:14:25 PM

Quant Time: Jul 08 08:39:21 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5913	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	22575	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	12354	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	26711	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	17731	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	16145	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	899	0.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	882	0.03	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	4183	0.07	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.46	128	946	0.02	ng/ul#	71
7) 2-Methylnaphthalene	12.09	142	445	0.01	ng/ul	97
9) Acenaphthylene	14.01	152	7413	0.18	ng/ul#	92
10) Acenaphthene	14.35	153	798	0.02	ng/ul#	86
11) Fluorene	15.34	166	1647	0.04	ng/ul#	83
14) Phenanthrene	17.07	178	30176	0.41	ng/ul#	92
15) Anthracene	17.16	178	6934m	0.10	ng/ul	
17) Fluoranthene	19.11	202	76610	0.94	ng/ul	94
19) Pyrene	19.47	202	84995	1.14	ng/ul	95
20) Benzo(a)anthracene	21.22	228	34159	0.60	ng/ul#	90
21) Chrysene	21.27	228	39657	0.70	ng/ul	96
23) Benzo(b)fluoranthene	22.78	252	47465m	0.82	ng/ul	
24) Benzo(k)fluoranthene	22.83	252	11093m	0.21	ng/ul	
25) Benzo(a)pyrene	23.35	252	31219	0.58	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	25.66	276	23439	0.39	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.67	278	5440	0.12	ng/ul#	65
28) Benzo(g,h,i)perylene	26.34	276	19783	0.39	ng/ul	95

U.M 07/13/16

U.M 07/13/16

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