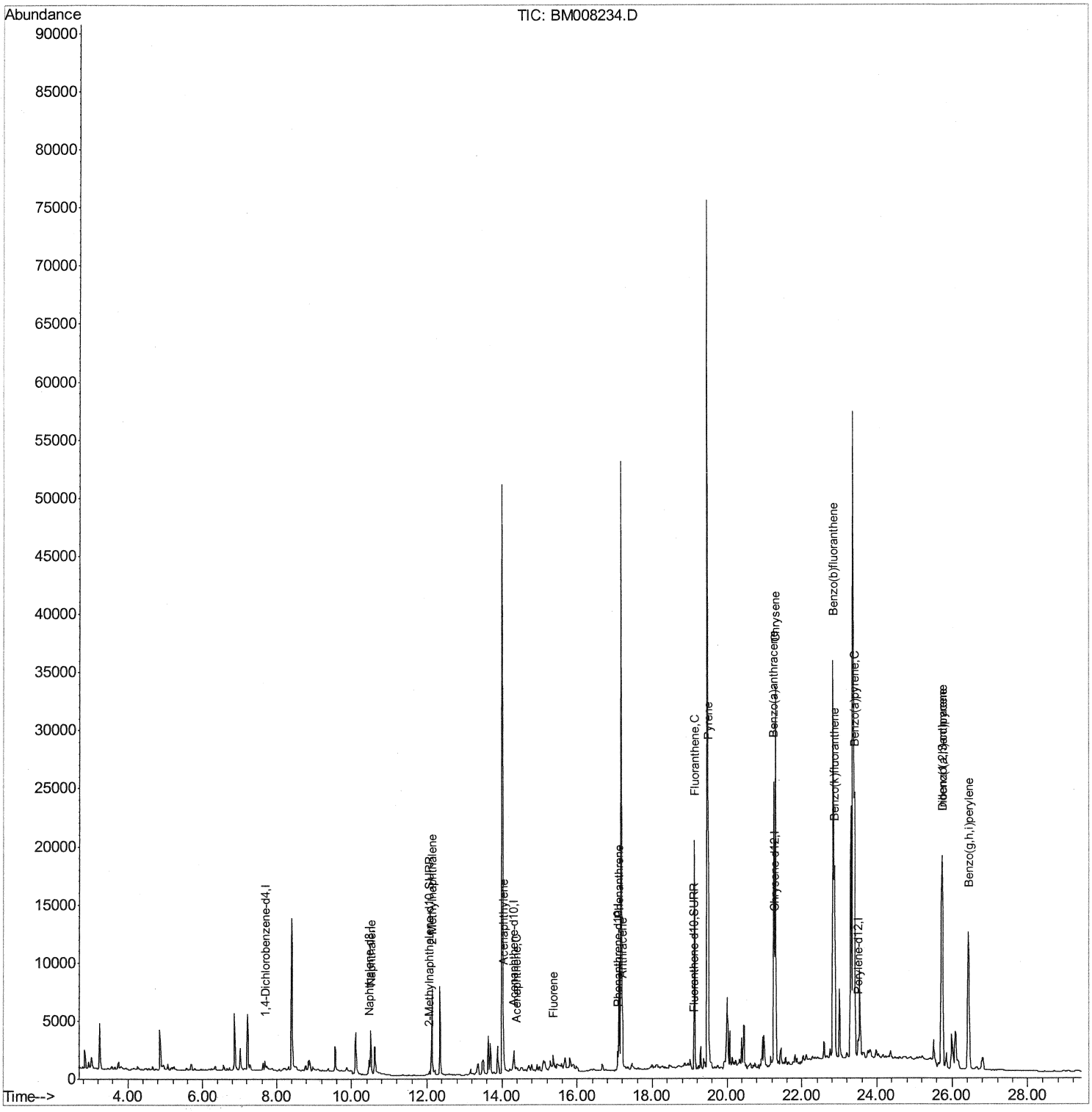
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:39:02 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



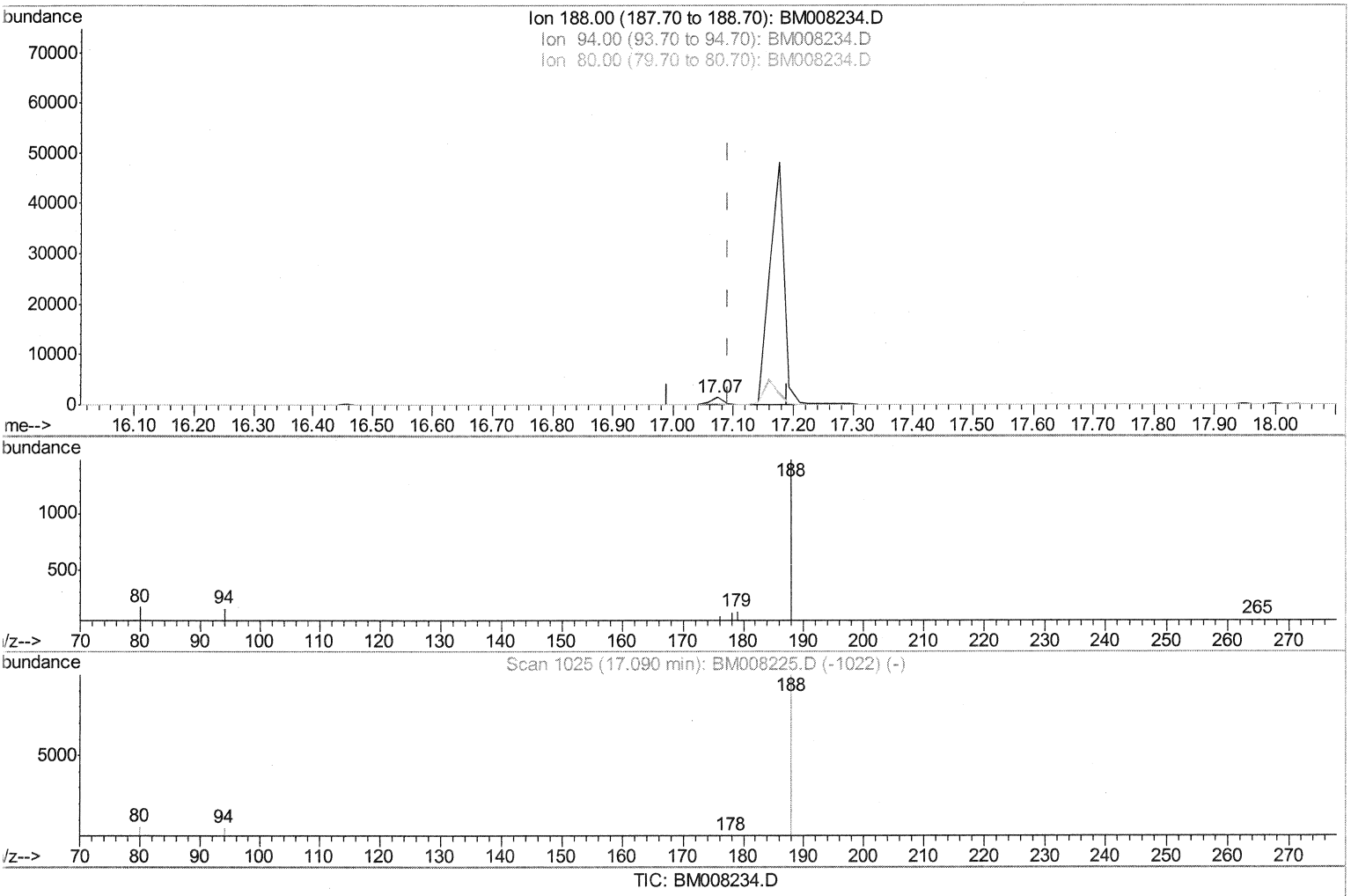
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 02:48:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



TIC: BM008234.D

(10) Phenanthrene-d10 (I)

17.073min (-0.017) 0.40ng/ul

response 1970

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.72
80.00	11.80	11.67
0.00	0.00	0.00

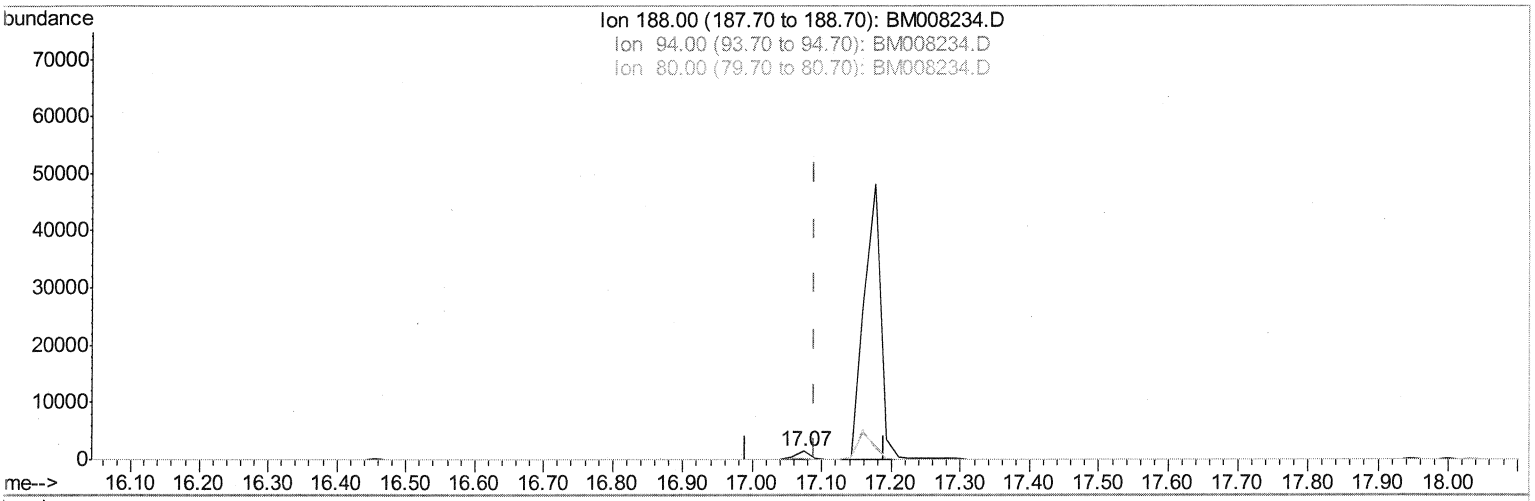
Quantitation Report (Qedit)

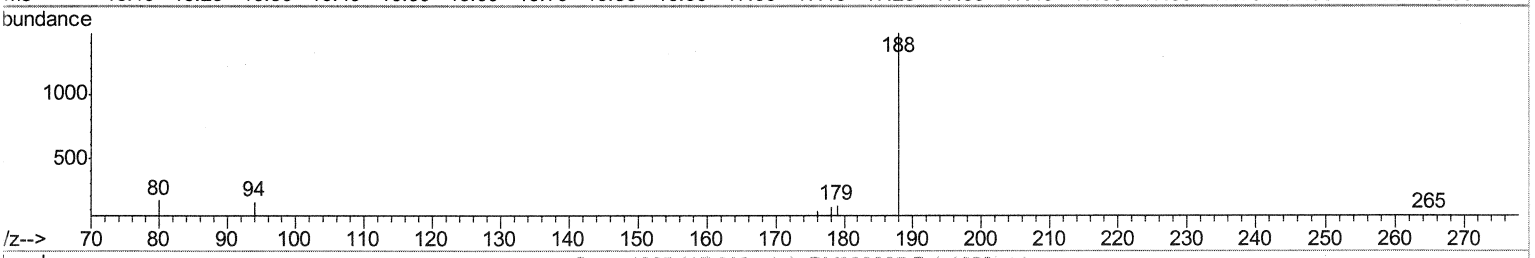
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

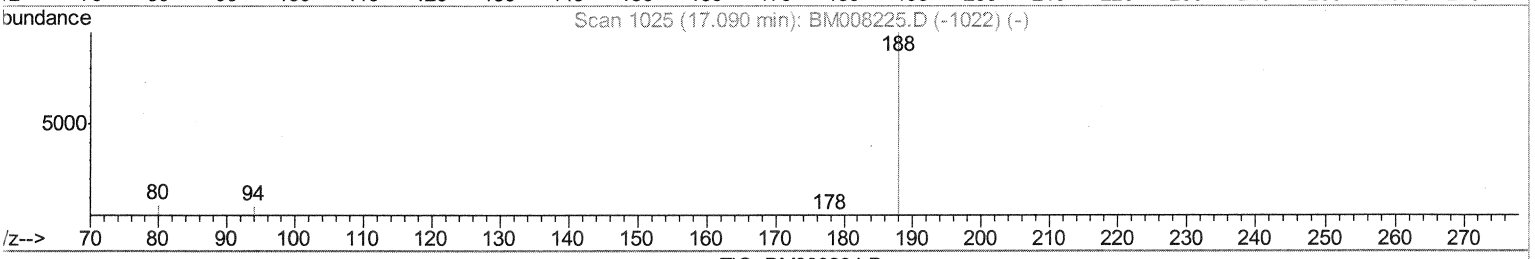
Quant Time: Dec 12 02:48:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM







TIC: BM008234.D

(10) Phenanthrene-d10 (I)

17.073min (-0.017) 0.40ng/ul m SJ 12/12/16

response 1984

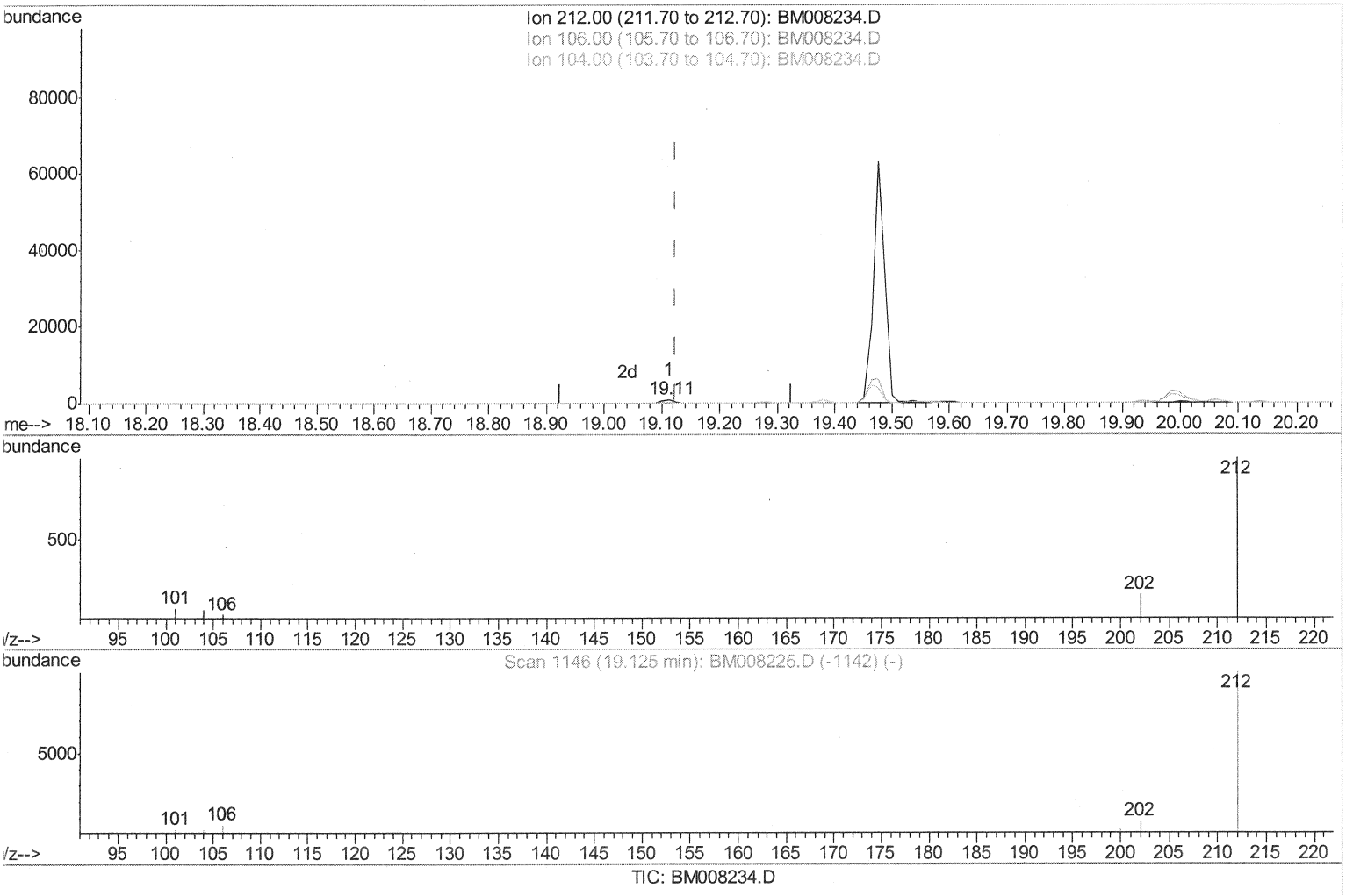
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.72
80.00	11.80	11.67
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:37:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



TIC: BM008234.D

(14) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.27ng/ul

response 1505

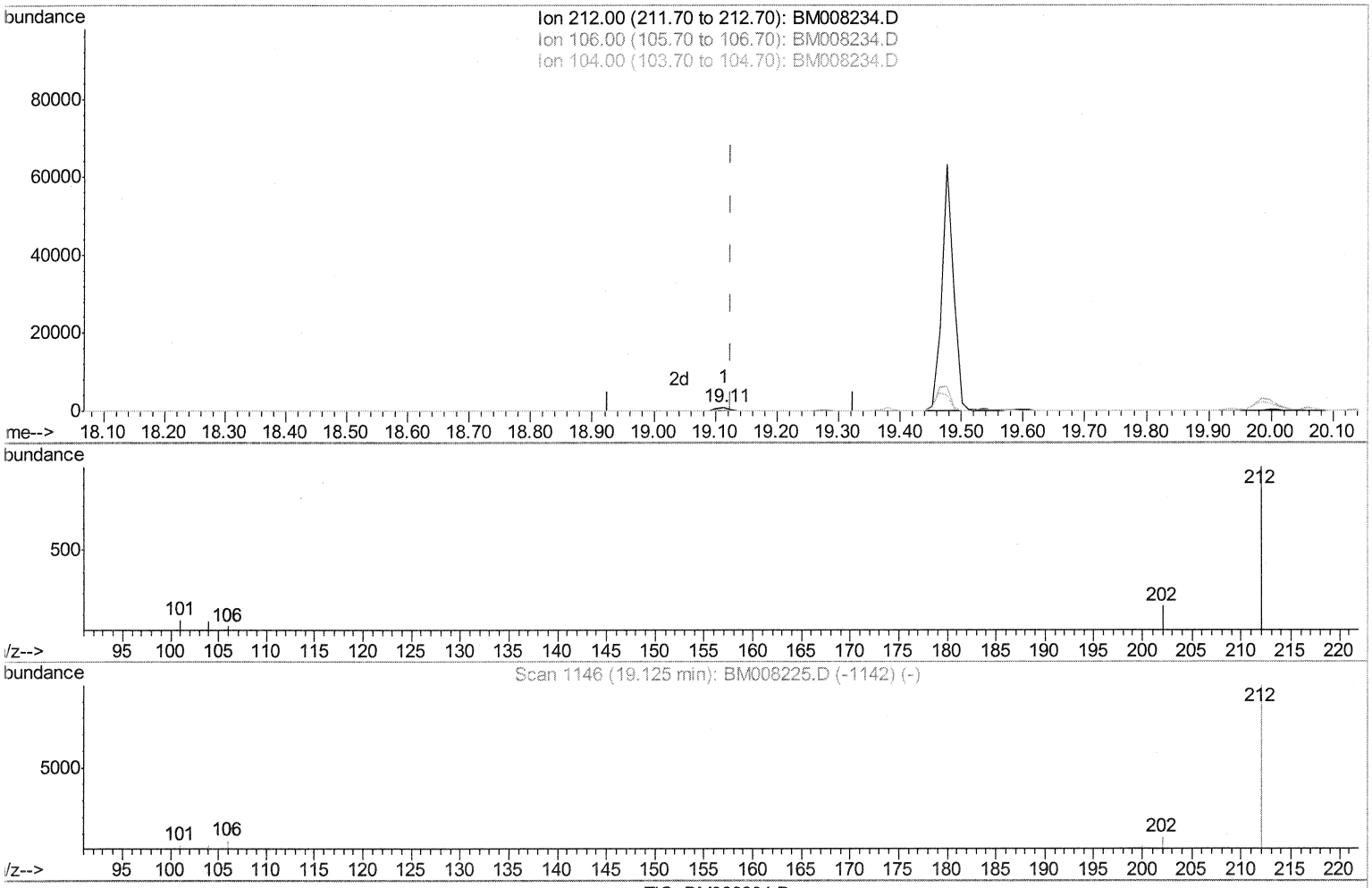
Ion	Exp%	Act%
212.00	100	100
106.00	18.30	35.08#
104.00	15.60	38.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:37:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



TIC: BM008234.D

(14) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.18ng/ul m SJ 12/12/16

response 1020

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	51.76#
104.00	15.60	56.27#
0.00	0.00	0.00

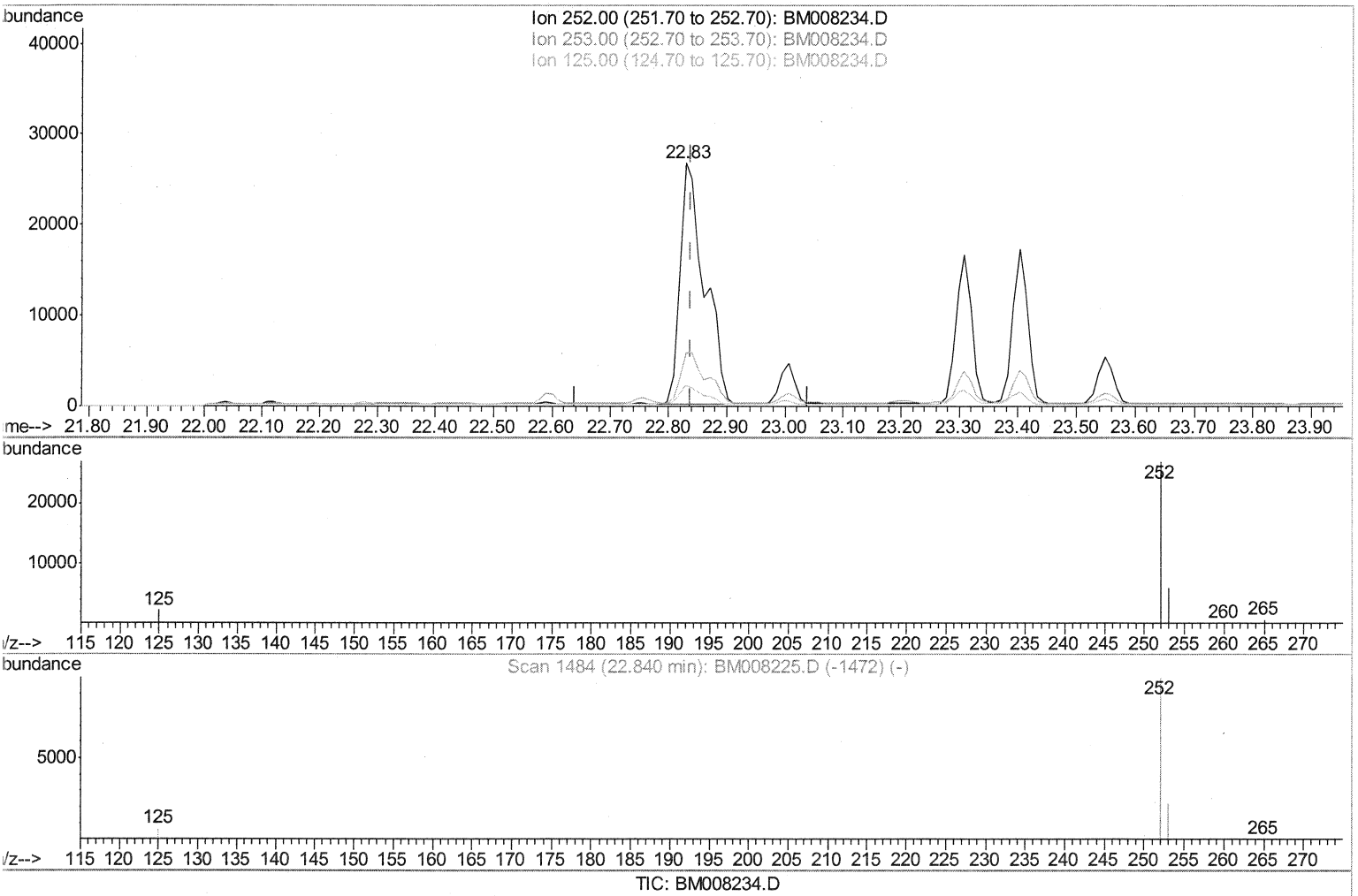
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:37:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



TIC: BM008234.D

(21) Benzo(b)fluoranthene

22.829min (-0.010) 9.92ng/ul

response 77522

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	21.96
125.00	17.50	8.45
0.00	0.00	0.00

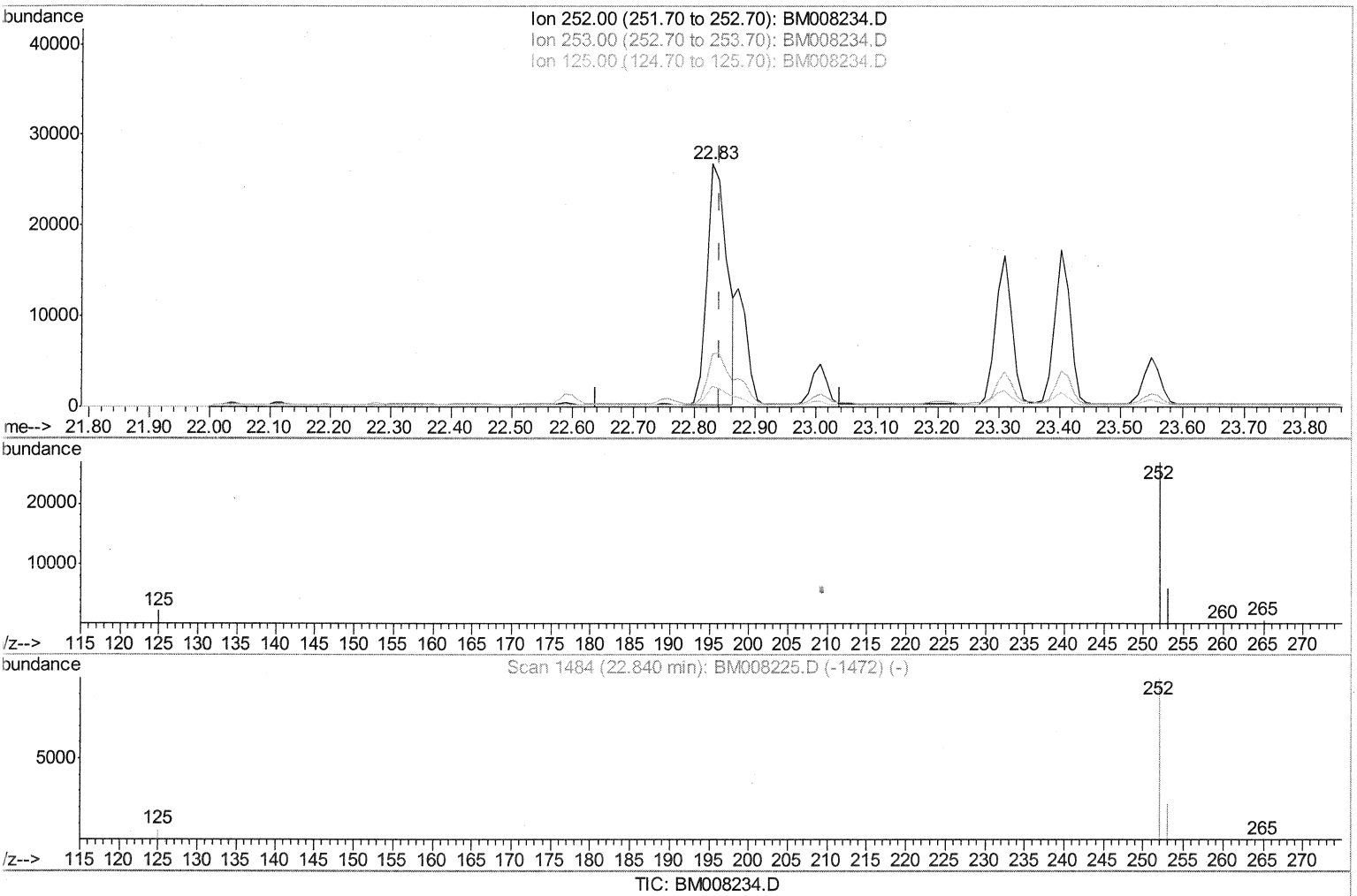
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:37:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



(21) Benzo(b)fluoranthene

22.829min (-0.010) 7.71ng/ul m SJ 12/12/16

response 60269

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	21.96
125.00	17.50	8.45
0.00	0.00	0.00

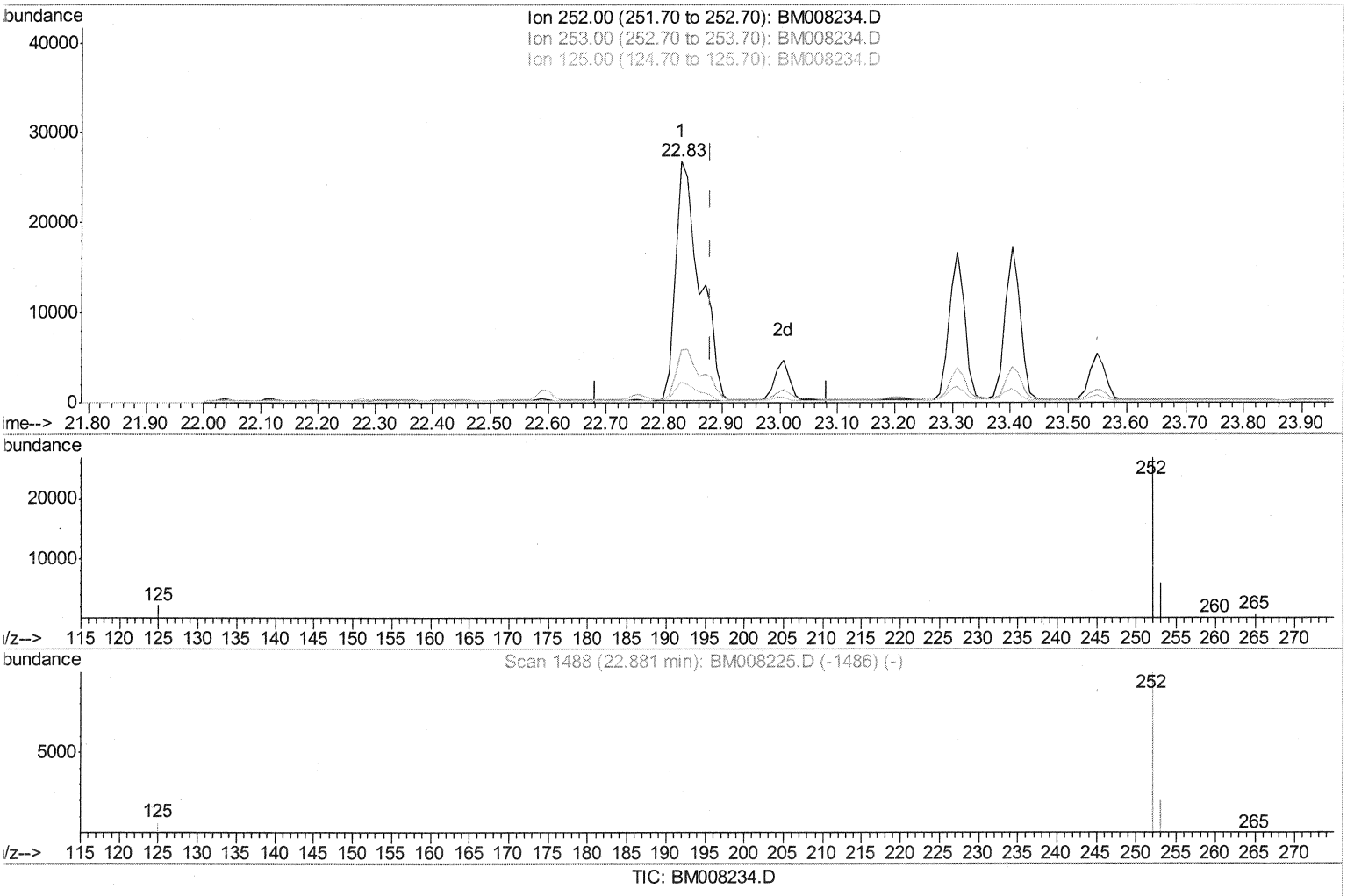
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:37:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



TIC: BM008234.D

(22) Benzo(k)fluoranthene

22.829min (-0.052) 9.62ng/ul

response 77522

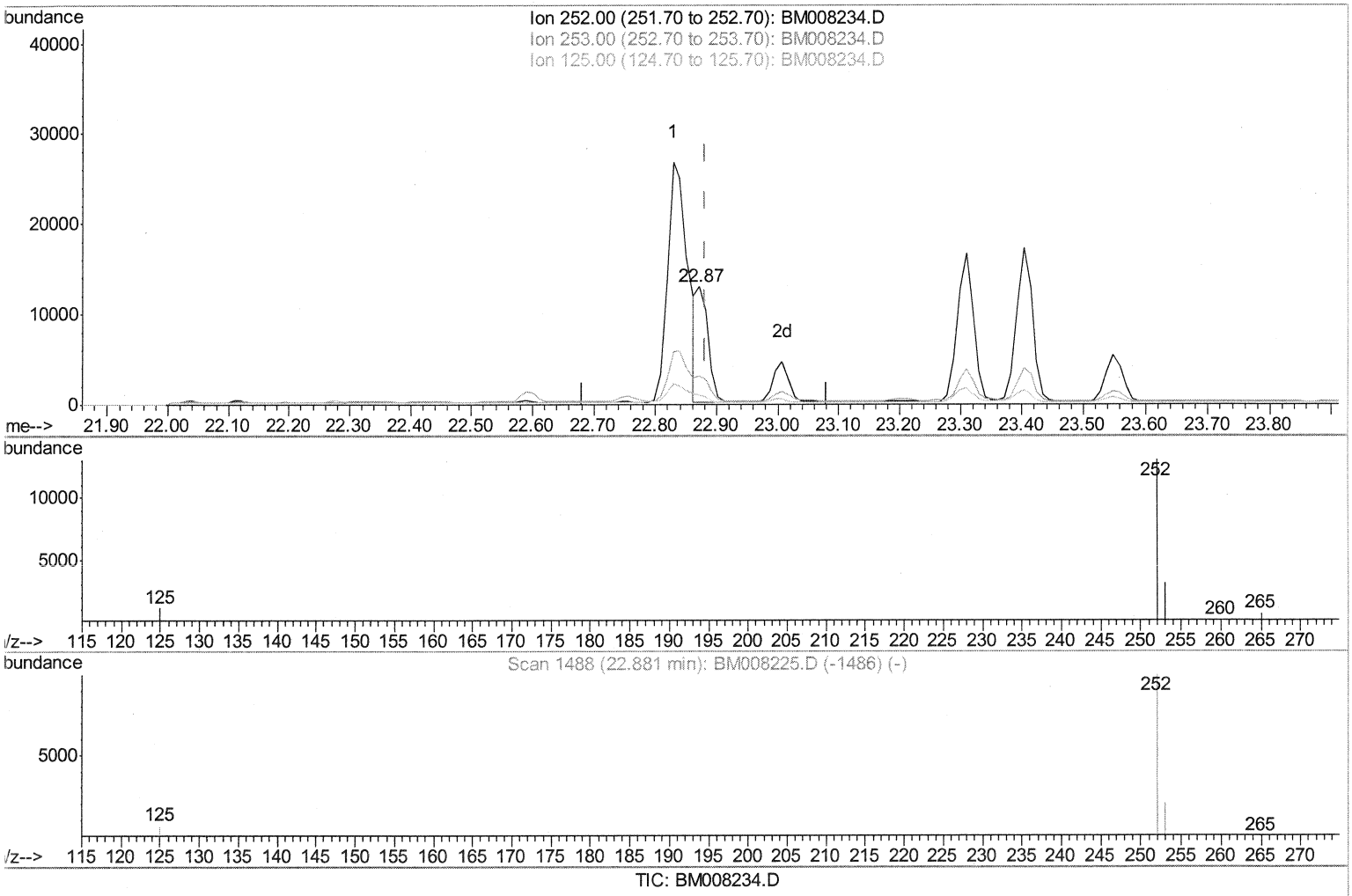
Ion	Exp%	Act%
252.00	100	100
253.00	30.60	21.96#
125.00	17.10	8.45#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 12 03:37:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM



TIC: BM008234.D

(22) Benzo(k)fluoranthene

22.871min (-0.010) 2.12ng/ul m SJ 12/12/16

response 17123

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.08#
125.00	17.10	8.89#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
Acq On : 10 Dec 2016 16:16
Operator : UM/SJ
Sample : H5905-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA809

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:22 PM

Quant Time: Dec 12 03:39:02 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	520	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	1674	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1048	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1984m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1995	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1958	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	477	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1020m	0.18	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.51	128	5366	1.15	ng/ul	96
5) 2-Methylnaphthalene	12.13	142	5902	1.96	ng/ul	96
7) Acenaphthylene	14.04	152	5298	1.12	ng/ul	96
8) Acenaphthene	14.38	153	311	0.09	ng/ul#	90
9) Fluorene	15.38	166	417	0.10	ng/ul#	52
12) Phenanthrene	17.11	178	10577	1.71	ng/ul	97
13) Anthracene	17.21	178	5453	0.94	ng/ul	95
15) Fluoranthene	19.14	202	18581	2.33	ng/ul	95
17) Pyrene	19.50	202	22265	3.21	ng/ul	97
18) Benzo(a)anthracene	21.26	228	24180	3.95	ng/ul	99
19) Chrysene	21.31	228	31722	4.17	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	60269m	7.71	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	17123m	2.12	ng/ul	
23) Benzo(a)pyrene	23.40	252	31258	4.27	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.75	276	31464	3.48	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.75	278	8811	1.22	ng/ul#	93
26) Benzo(g,h,i)perylene	26.44	276	26906	3.35	ng/ul#	88

SJ 12/12/16

SJ 12/12/16

SJ 12/12/16

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