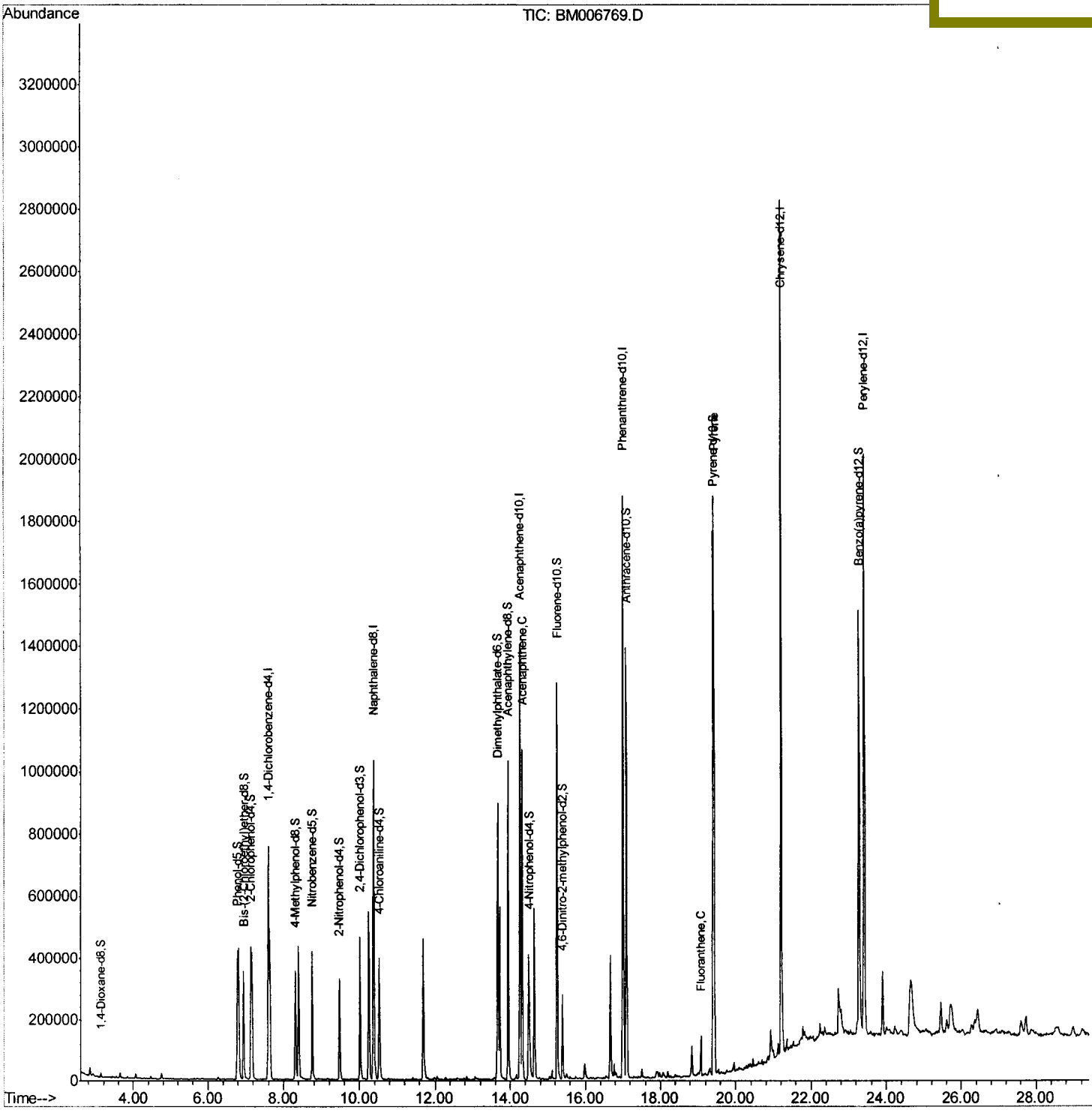
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073016\
Data File : BM006769.D
Acq On : 30 Jul 2016 12:28
Operator : UM/SJ
Sample : H4192-07MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 01 05:23:31 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA0E3MS

Manual Integrations APPROVED
sohil
8/1/2016 7:04:45 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073016\
Data File : BM006769.D
Acq On : 30 Jul 2016 12:28
Operator : UM/SJ
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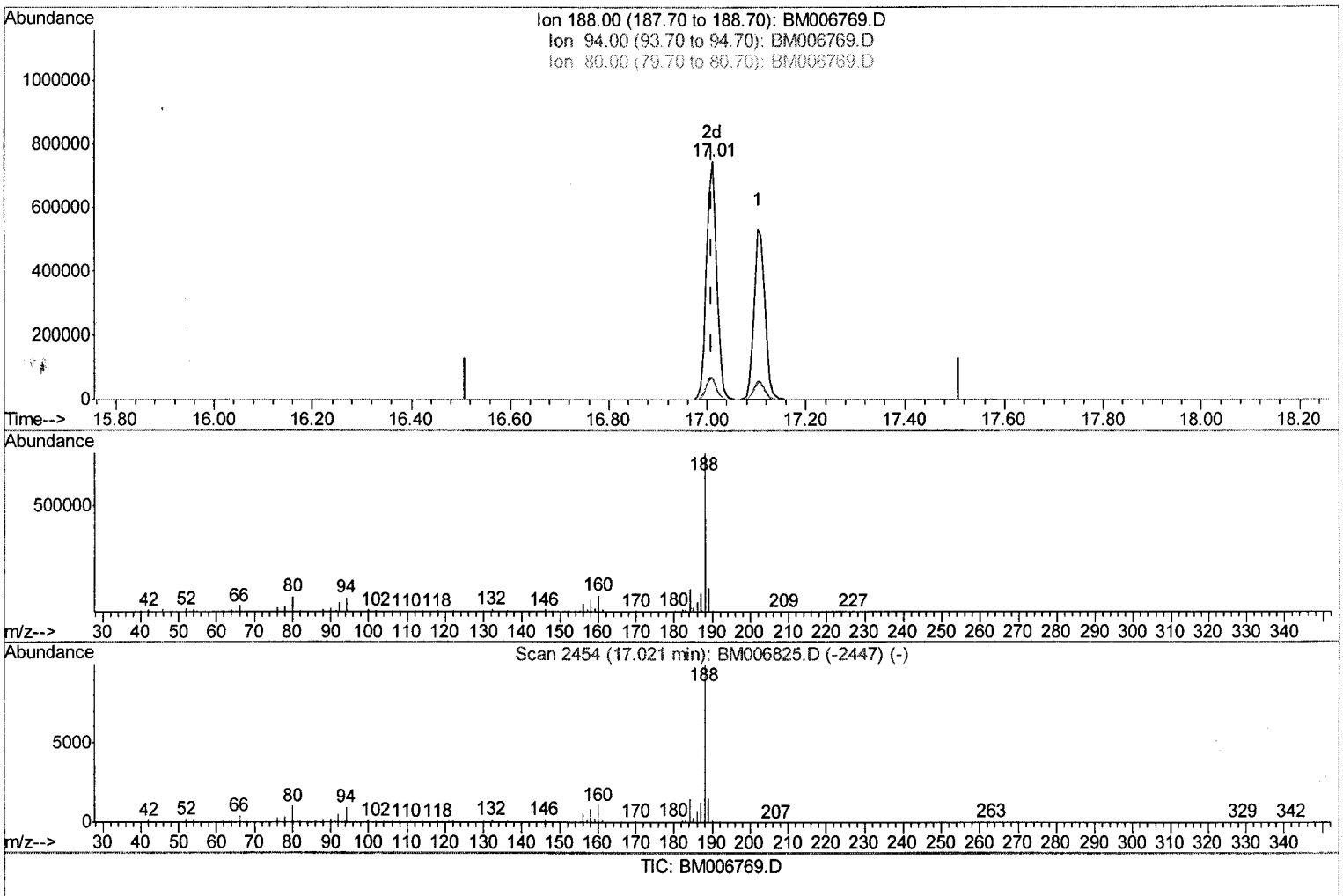
Manual Integrations APPROVED
sohil
8/1/2016 7:04:45 PM



TIC: BM006769.D

(23) Phenanthrene-d10 (I)

17.009min (-0.000) 20.00ng/ul m U.M

response 1078205 08/02/16

Ion	Exp%	Act%
188.00	100	100
94.00	9.60	9.08
80.00	12.20	9.72#
0.00	0.00	0.00

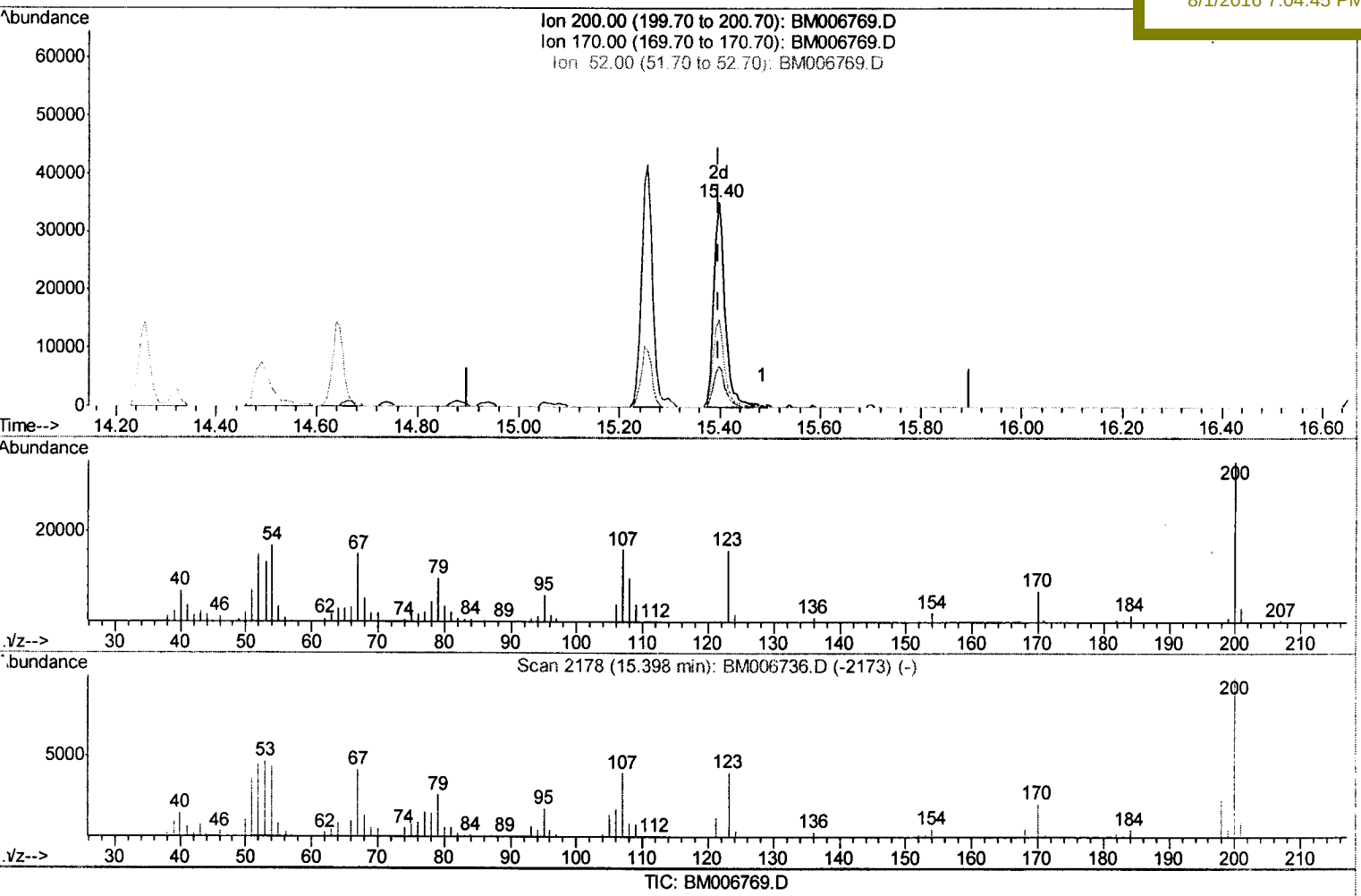
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073016\
Data File : BM006769.D
Acq On : 30 Jul 2016 12:28
Operator : UM/SJ
Sample : H4192-07MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 01 05:22:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA0E3MS

Manual Integrations APPROVED
sohil
8/1/2016 7:04:45 PM



(24) 4,6-Dinitro-2-methylphenol-d2 (S)

15.398min (0.000) 10.00ng/ul m U.M

response 55983 08/02/16

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	20.03
52.00	53.20	42.13#
0.00	0.00	0.00

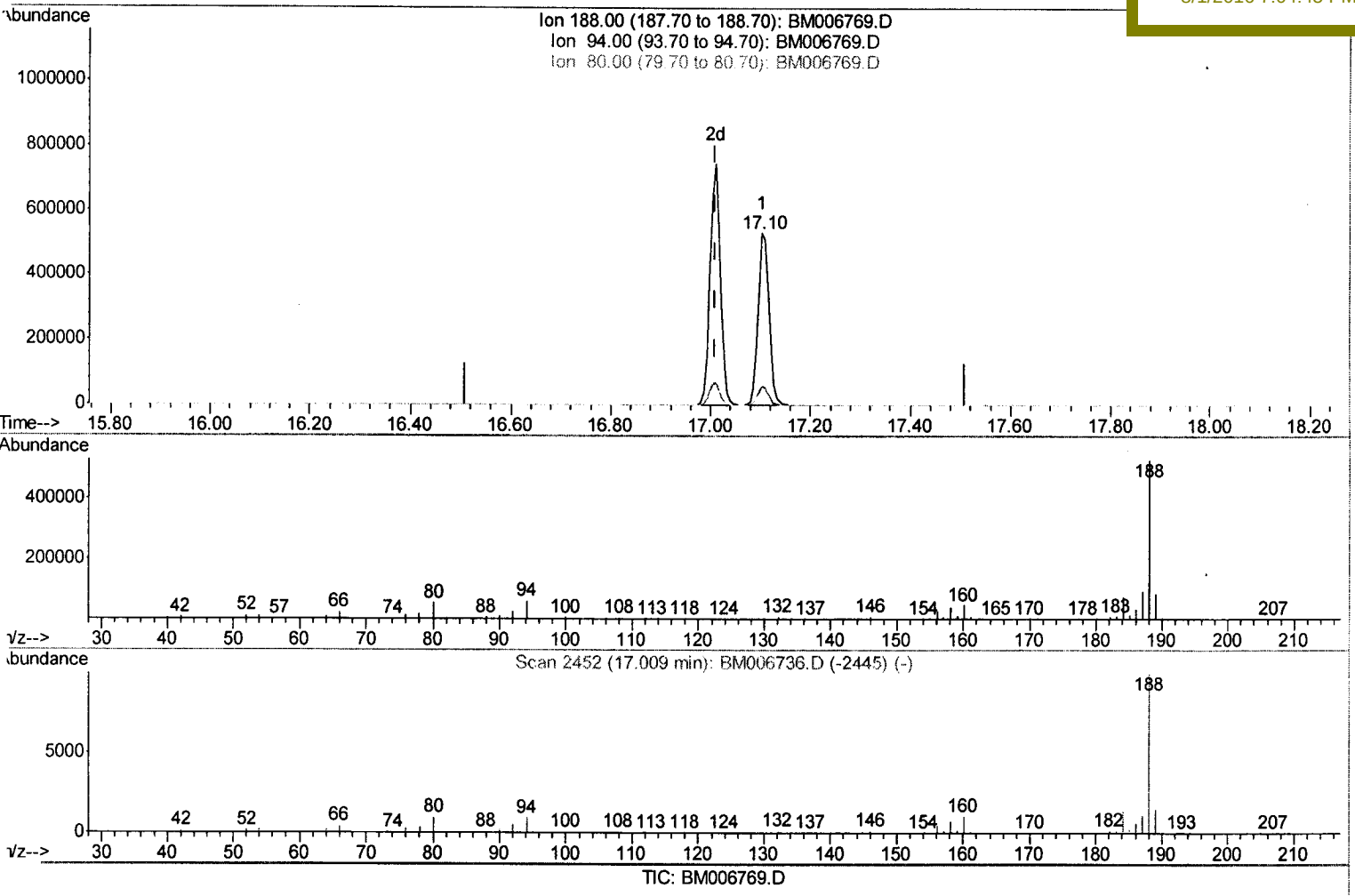
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073016\
Data File : BM006769.D
Acq On : 30 Jul 2016 12:28
Operator : UM/SJ
Sample : H4192-07MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 01 04:25:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA0E3MS

Manual Integrations APPROVED
sohil
8/1/2016 7:04:45 PM



TIC: BM006769.D

(23) Phenanthrene-d10 (I)

17.104min (+0.094) 20.00ng/ul

response 791700

Ion	Exp%	Act%
188.00	100	100
94.00	9.60	11.18
80.00	12.20	10.03
0.00	0.00	0.00

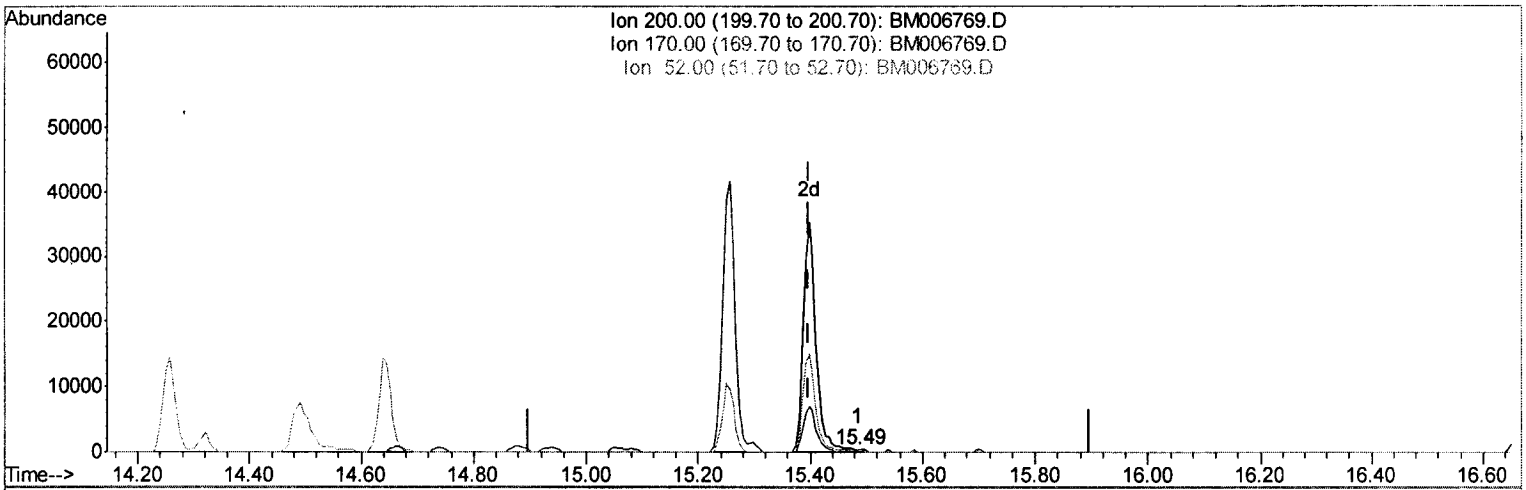
Quantitation Report (Qedit)

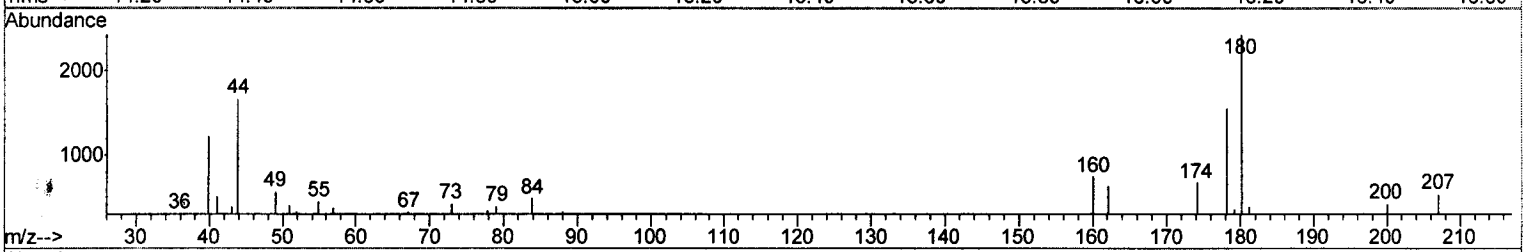
Data Path : Z:\HPCHEM1\BNA_M\Data\BM073016\
Data File : BM006769.D
Acq On : 30 Jul 2016 12:28
Operator : UM/SJ
Sample : H4192-07MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

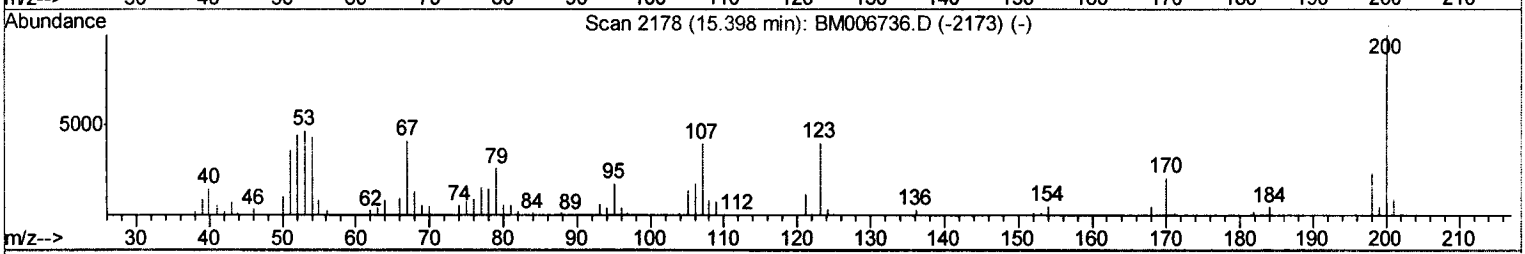
Quant Time: Aug 01 05:22:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA0E3MS

Manual Integrations APPROVED
sohil
8/1/2016 7:04:45 PM







TIC: BM006769.D

(24) 4,6-Dinitro-2-methylphenol-d2 (S)

15.486min (+0.088) 0.07ng/ul

response 408

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	71.13#
52.00	53.20	76.76#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : DA0E3MS

Manual Integrations APPROVED
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8/1/2016 7:04:45 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	196259	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	865354	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	484872	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1078205m	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1261326	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1315318	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.13	96	6090	1.25	ng/uL	0.00
3) Phenol-d5	6.79	99	218376	13.08	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	163415	15.80	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	184334	13.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	131413	10.15	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	95242	14.54	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	96492	13.85	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	175580	13.34	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	217239	14.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	589252	15.50	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	747626	15.41	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	64771	9.81	ng/ul	0.00
21) Fluorene-d10	15.26	176	520316	15.30	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	55983m	10.00	ng/ul	0.00
26) Anthracene-d10	17.10	188	791700	15.46	ng/ul	0.00
30) Pyrene-d10	19.41	212	904500	15.74	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	912172	15.08	ng/ul	-0.01
Target Compounds						Qvalue
19) Acenaphthene	14.32	153	441979	13.23	ng/ul	95
28) Fluoranthene	19.07	202	72137	1.01	ng/ul	97
31) Pyrene	19.44	202	1069291	14.00	ng/ul	97

U.M 08/02/16

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