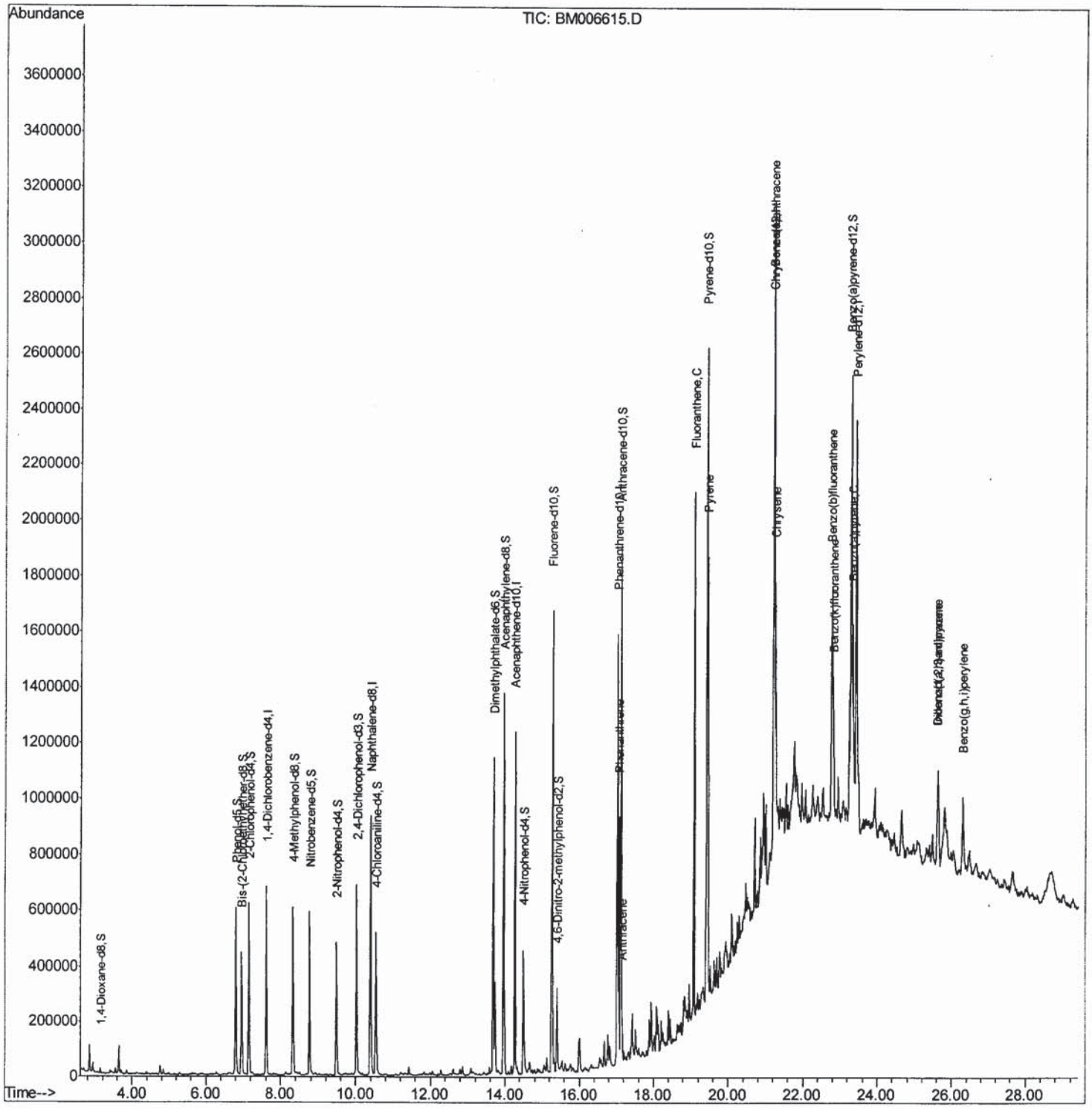
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:23:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations
APPROVED
umangi
7/22/2016 6:25:01 PM



Quantitation Report (Qedit)

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations
APPROVED
umangi
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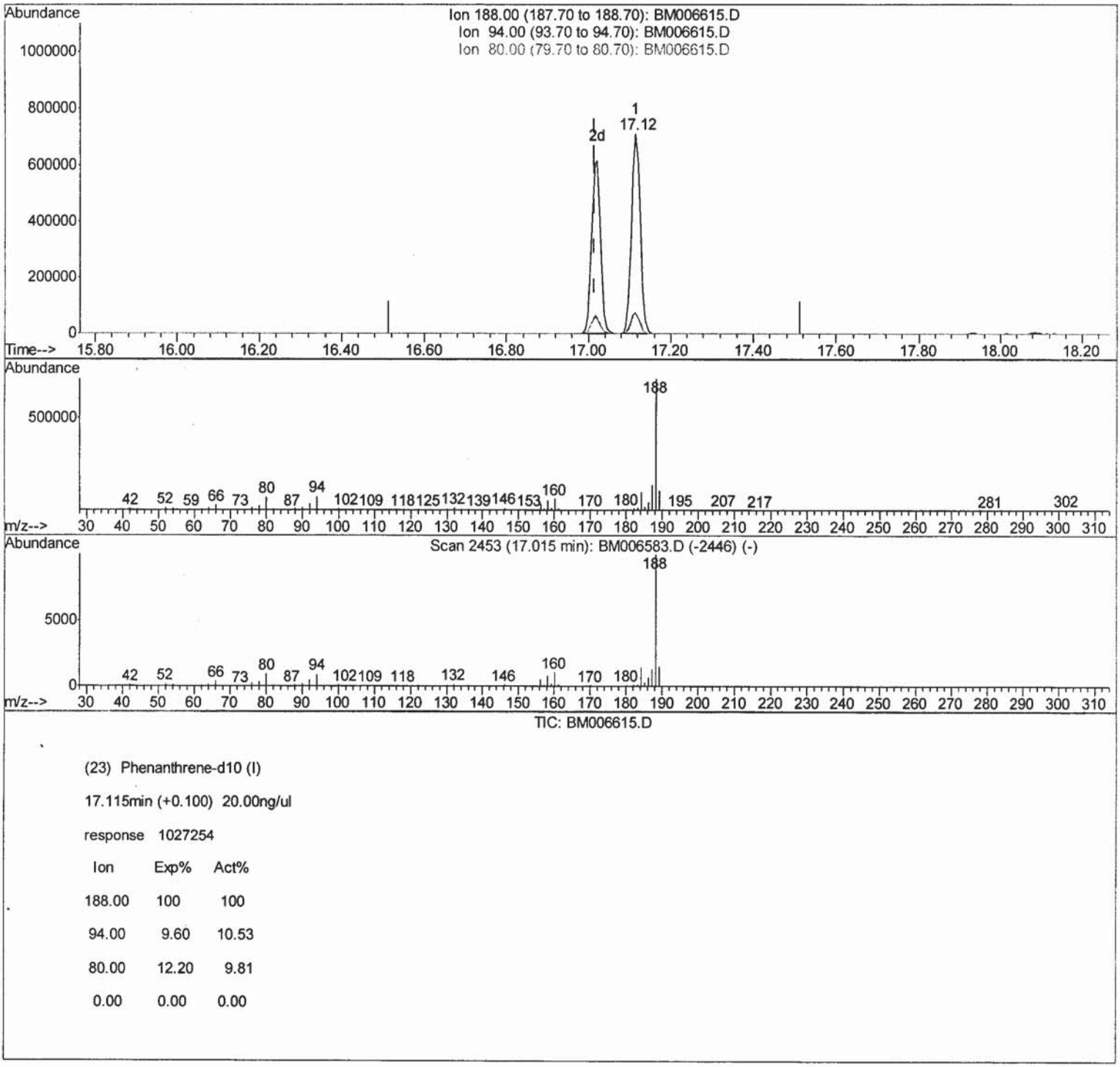
Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration



TIC: BM006615.D

(23) Phenanthrene-d10 (I)

17.115min (+0.100) 20.00ng/ul

response 1027254

Ion	Exp%	Act%
188.00	100	100
94.00	9.60	10.53
80.00	12.20	9.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
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Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
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Quant Time: Jul 22 11:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
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Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations APPROVED
umangi
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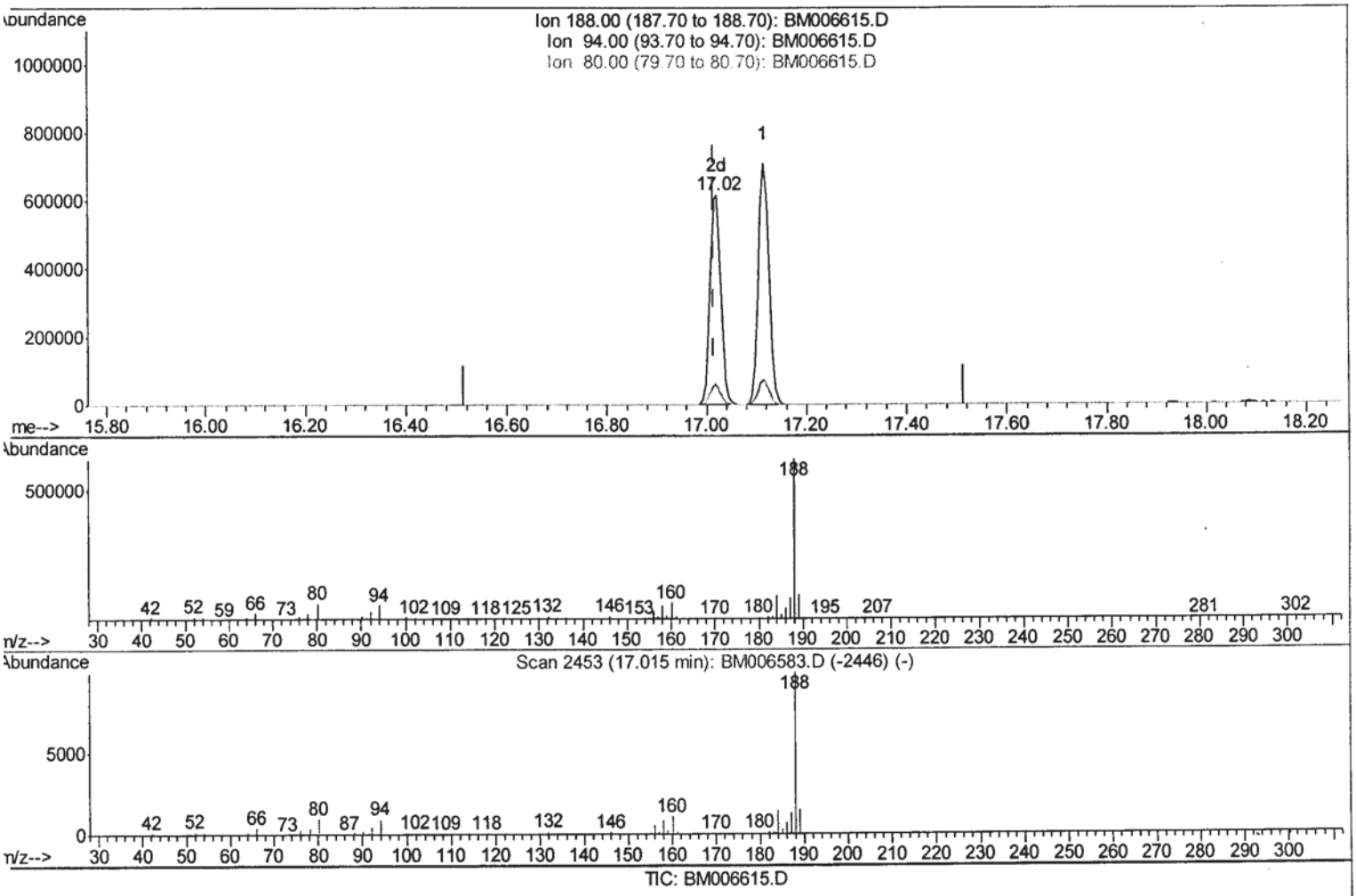

(23) Phenanthrene-d10 (I)

17.021min (+0.006) 20.00ng/ul m U.M 07/26/16

response 928278

Ion	Exp%	Act%
188.00	100	100
94.00	9.60	8.92
80.00	12.20	9.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:21:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations APPROVED
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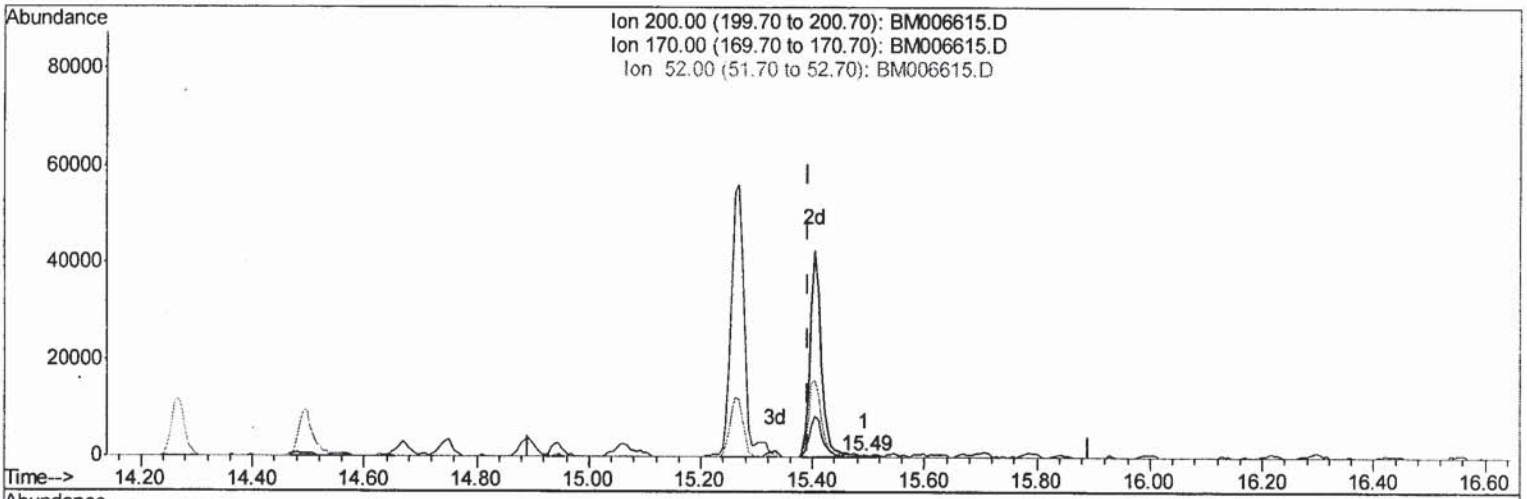

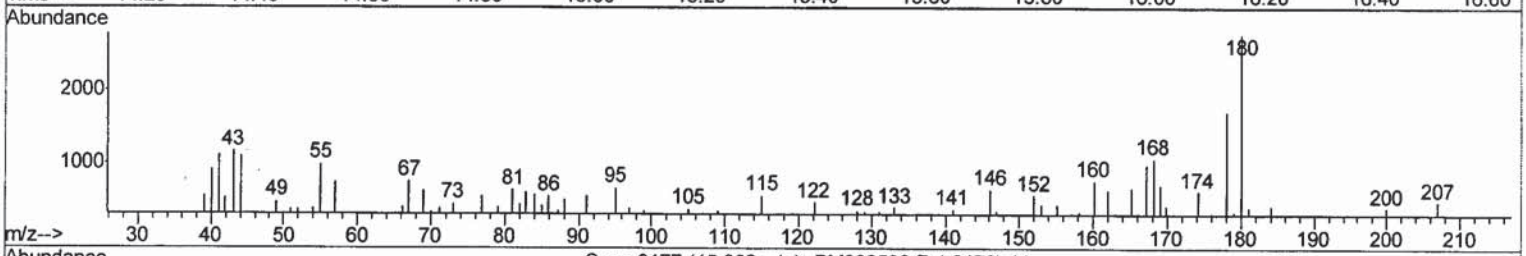

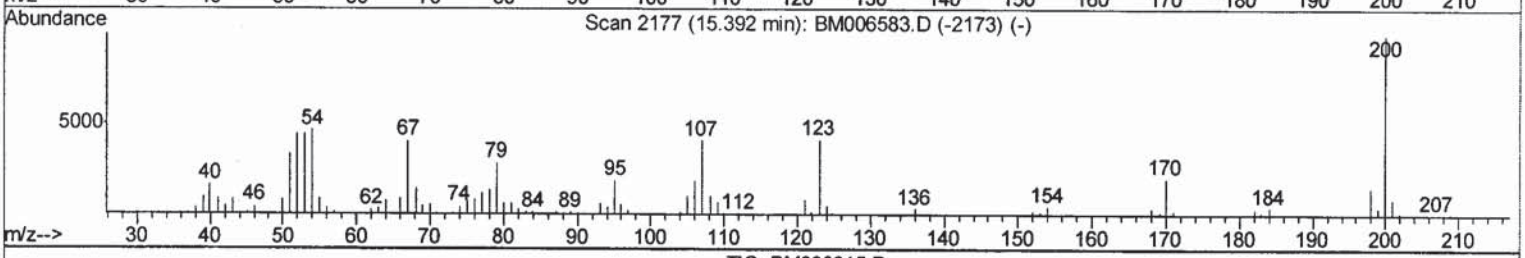

TIC: BM006615.D

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

15.492min (+0.100) 0.03ng/ul

response 143

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	104.21#
52.00	53.20	94.06#
0.00	0.00	0.00

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Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:21:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations
APPROVED
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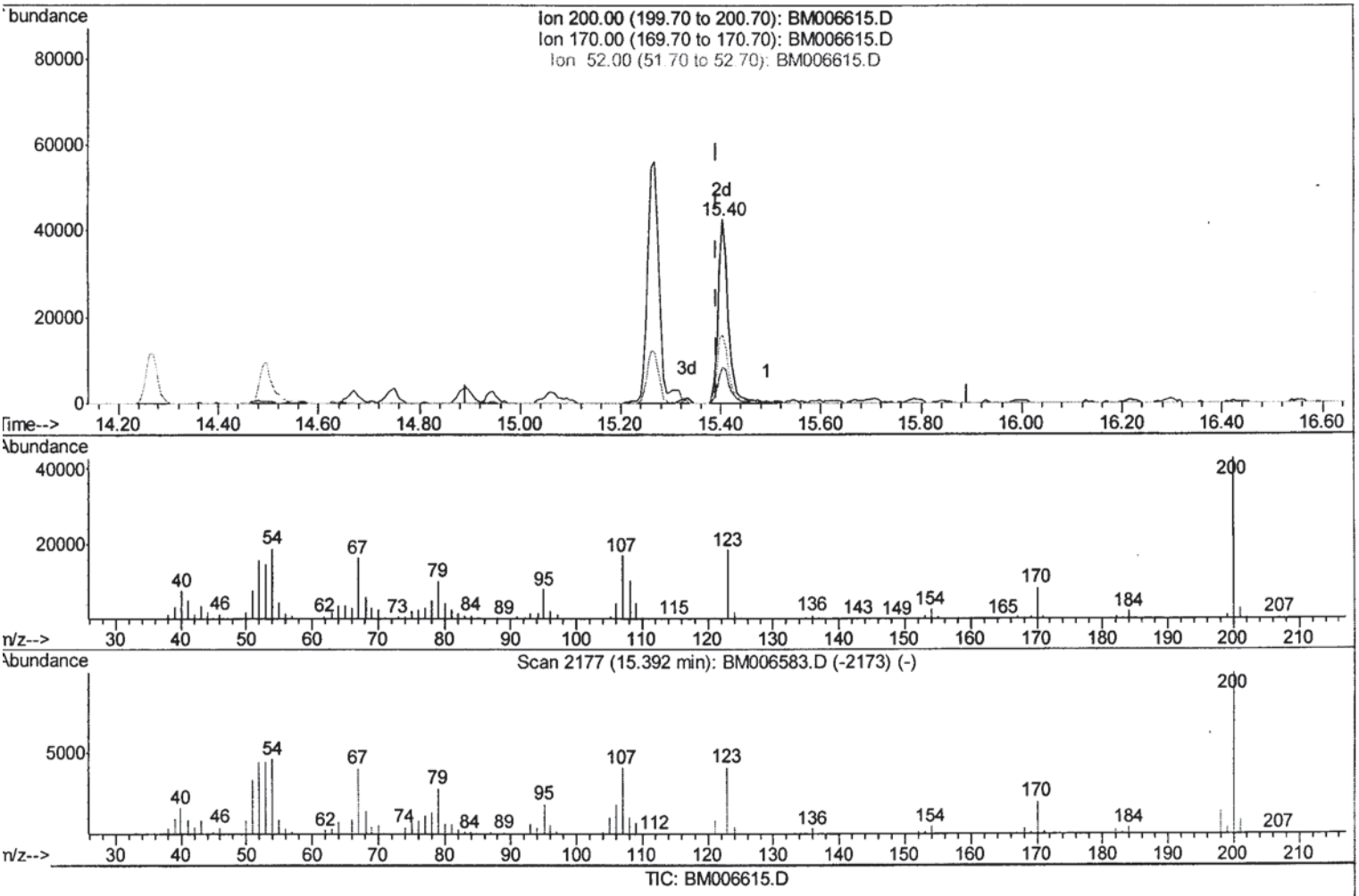

TIC: BM006615.D

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

15.404min (+0.012) 12.24ng/ul m U.M 07/26/16

response 58996

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	19.97
52.00	53.20	37.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:21:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations APPROVED
umangi
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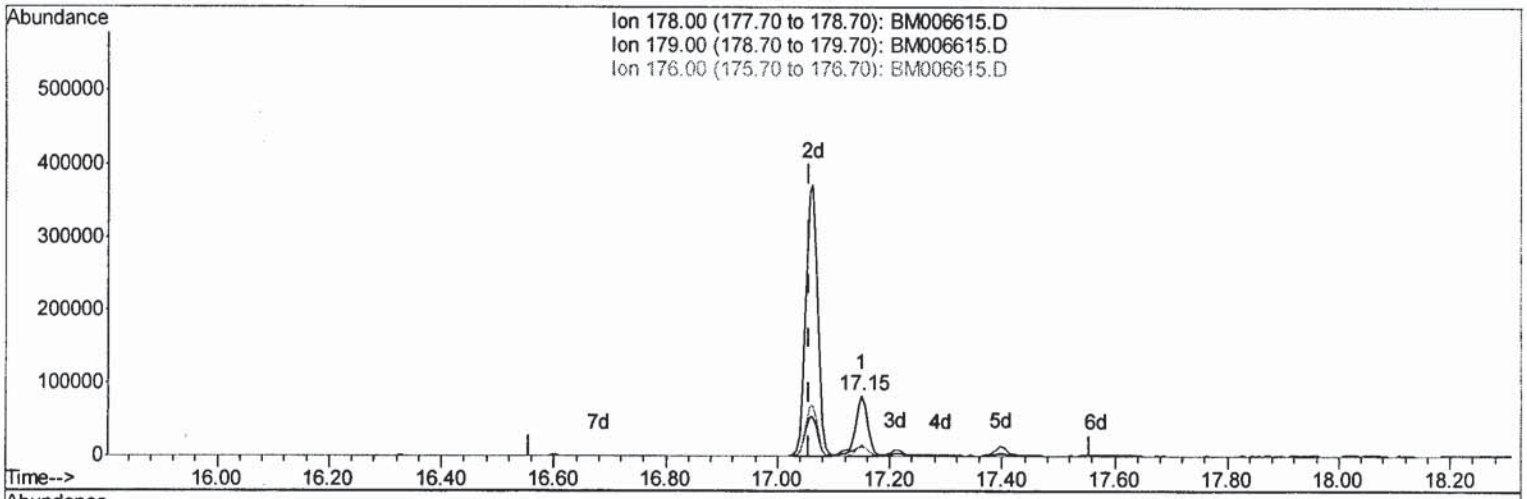

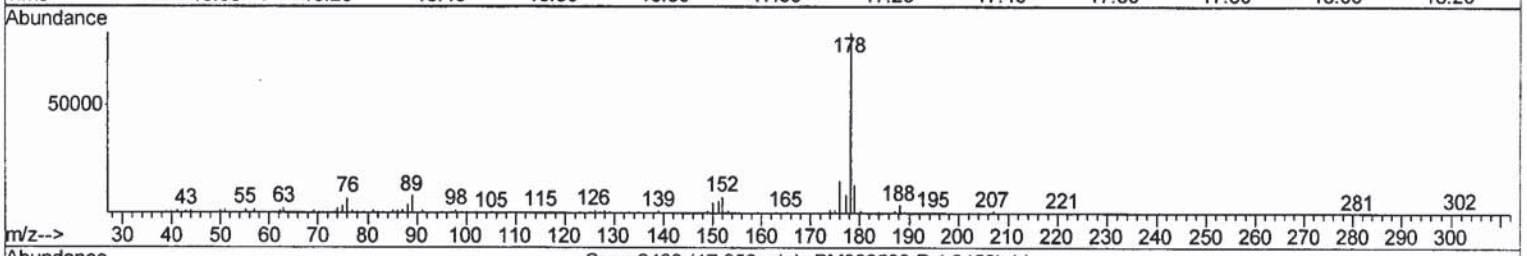

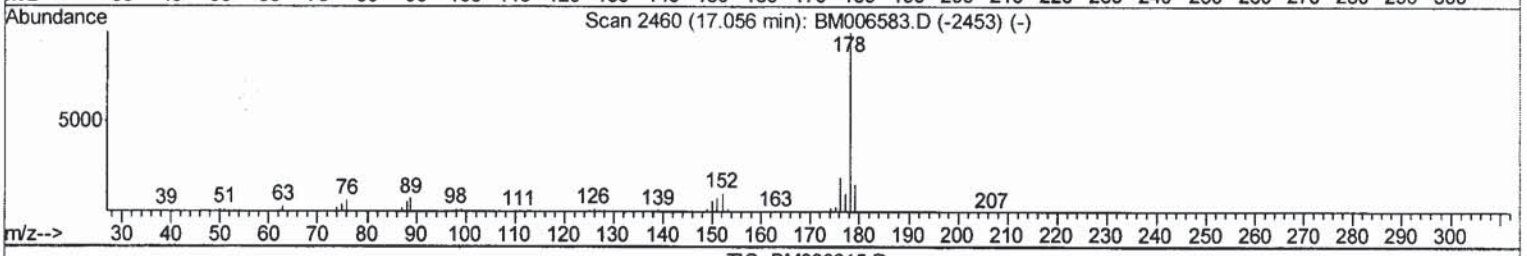

TIC: BM006615.D

(25) Phenanthrene

17.151min (+0.094) 2.30ng/ul

response 119908

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	15.99
176.00	18.50	17.97
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:21:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations
APPROVED
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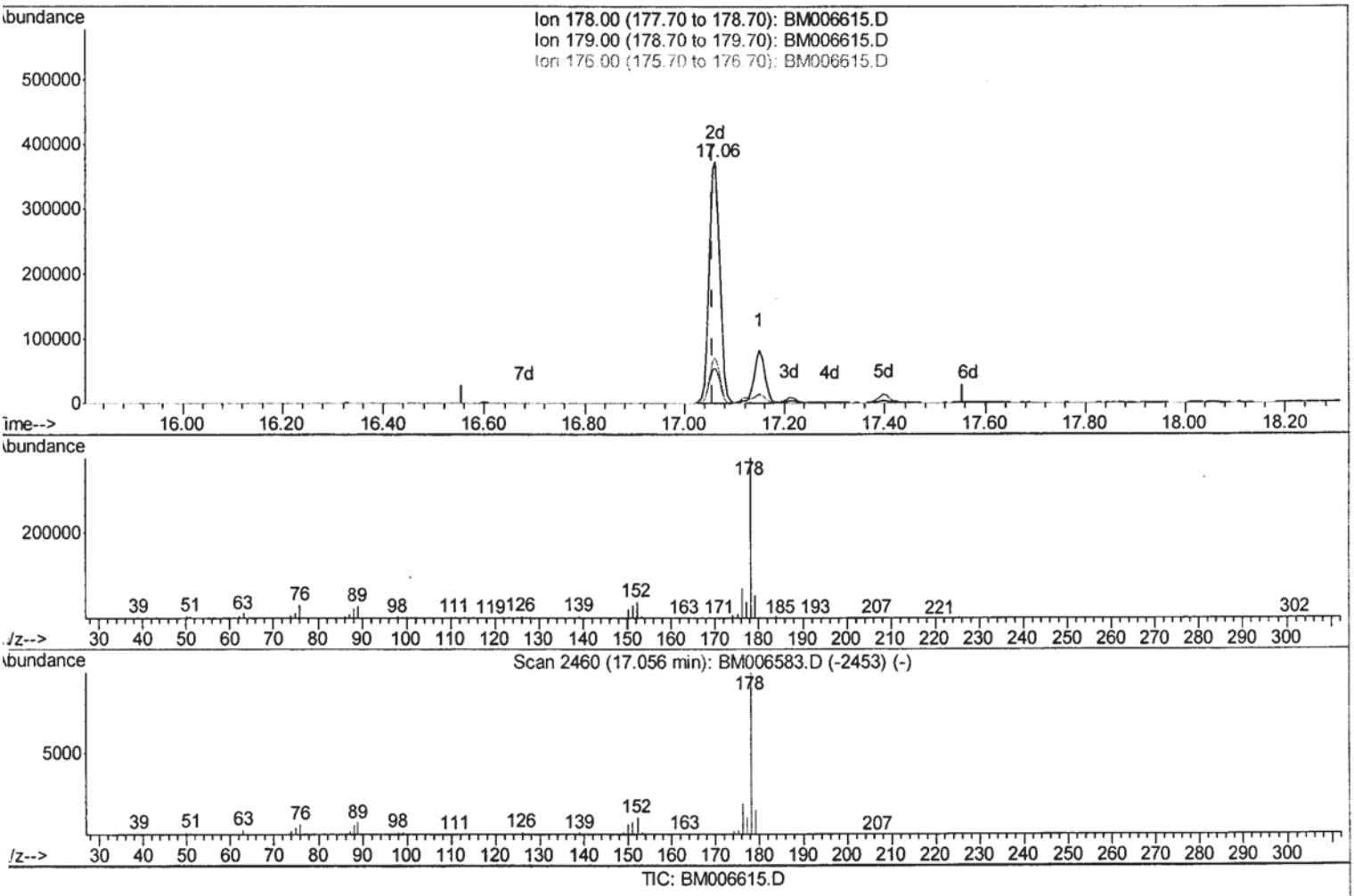

(25) Phenanthrene

17.062min (+0.006) 10.63ng/ul m U.M 07/26/16

response 554853

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	14.54
176.00	18.50	18.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Instrument : BNA_M
ClientSampleId : D9YQ6

Manual Integrations APPROVED
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Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:21:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
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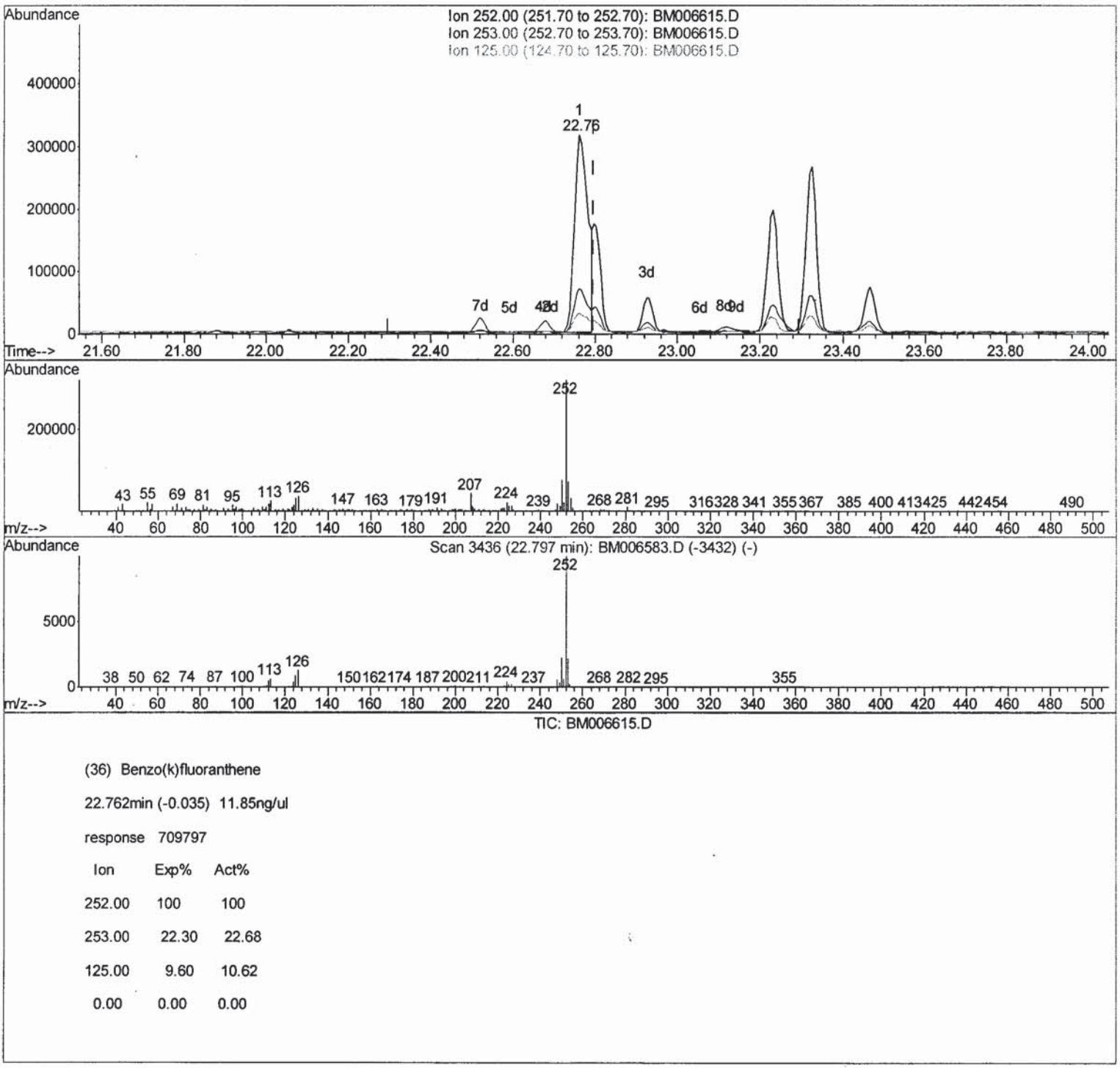

TIC: BM006615.D

(36) Benzo(k)fluoranthene

22.762min (-0.035) 11.85ng/ul

response 709797

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.68
125.00	9.60	10.62
0.00	0.00	0.00

Quantitation Report (QedIn)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
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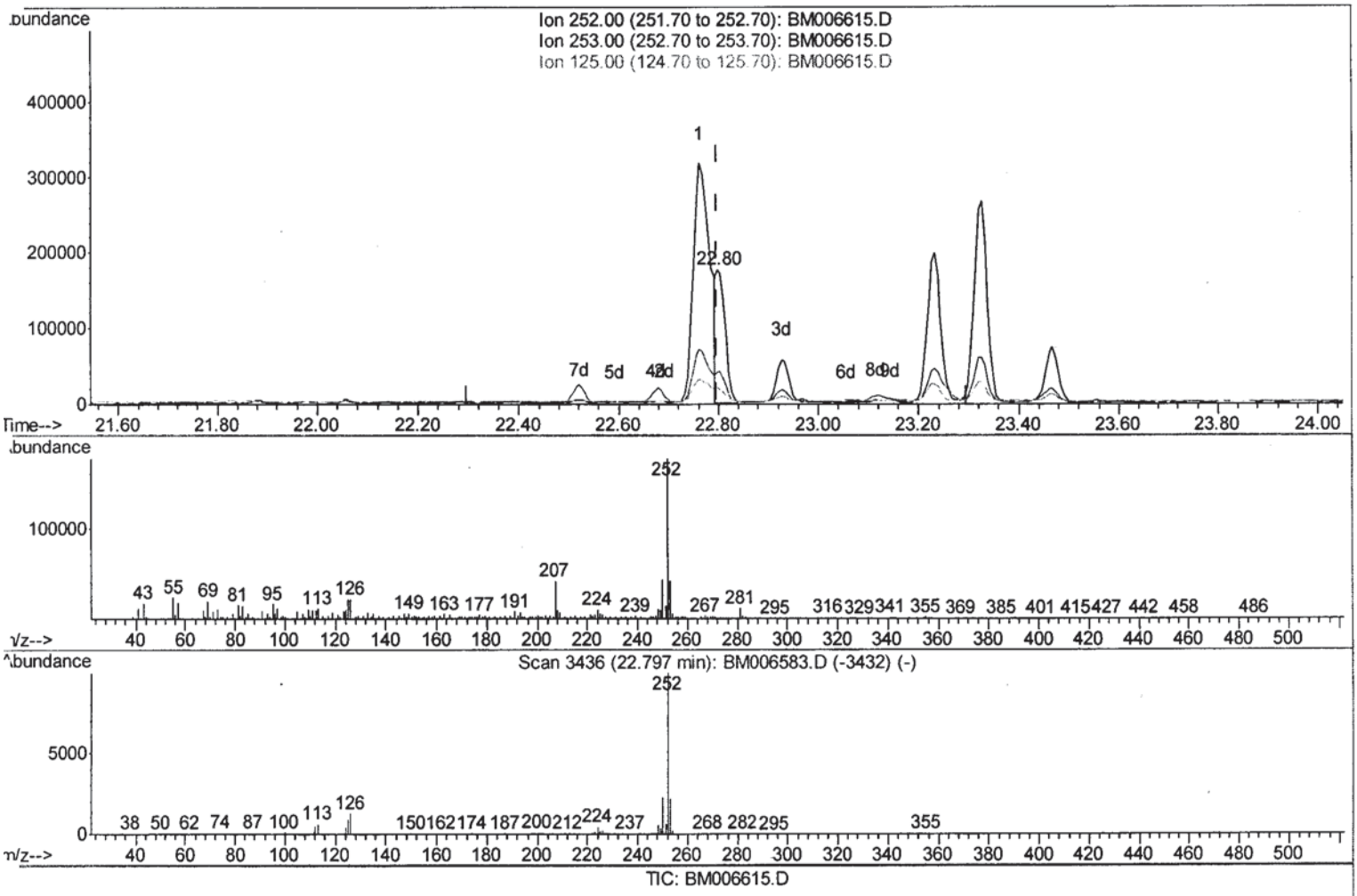
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 22 11:21:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations
APPROVED
umangi
7/22/2016 6:25:01 PM



(36) Benzo(k)fluoranthene

22.797min (0.000) 3.73ng/ul m U.M 07/26/16

response 223436

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.07
125.00	9.60	12.19#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_M
ClientSampleId :
D9YQ6

Manual Integrations APPROVED
umangi
7/22/2016 6:25:01 PM

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072116\
Data File : BM006615.D
Acq On : 22 Jul 2016 08:33
Operator : UM/SJ
Sample : H4076-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	176053	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	751977	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	414619	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	928278m	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	961047	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1033152	20.00	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.13	96	8170	1.88	ng/uL	0.00
3) Phenol-d5	6.80	99	336568	22.47	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	212805	22.94	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	263128	21.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	228629	19.68	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	132413	23.26	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	142655	23.57	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	255439	22.33	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	279402	22.18	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	764167	23.51	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	989863	23.86	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	119123	21.10	ng/ul	0.02
21) Fluorene-d10	15.27	176	684086	23.53	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	58996m	12.24	ng/ul	0.01
26) Anthracene-d10	17.12	188	1027254	23.31	ng/ul	0.00
30) Pyrene-d10	19.42	212	1129826	25.80	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1134866	23.88	ng/ul	0.01
Target Compounds						Qvalue
25) Phenanthrene	17.06	178	554853m	10.63	ng/ul	
27) Anthracene	17.15	178	119908	2.23	ng/ul	98
28) Fluoranthene	19.09	202	1149320	18.74	ng/ul	98
31) Pyrene	19.45	202	955905	16.43	ng/ul	97
32) Benzo(a)anthracene	21.20	228	557611	9.57	ng/ul	97
33) Chrysene	21.26	228	515116	9.59	ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	709797	11.46	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	223436m	3.73	ng/ul	
38) Benzo(a)pyrene	23.33	252	478814	7.94	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.61	276	358841	5.14	ng/ul	97
40) Dibenzo(a,h)anthracene	25.61	278	94903	1.64	ng/ul#	89
41) Benzo(g,h,i)perylene	26.30	276	334579	5.59	ng/ul	97

U.M 07/26/16

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