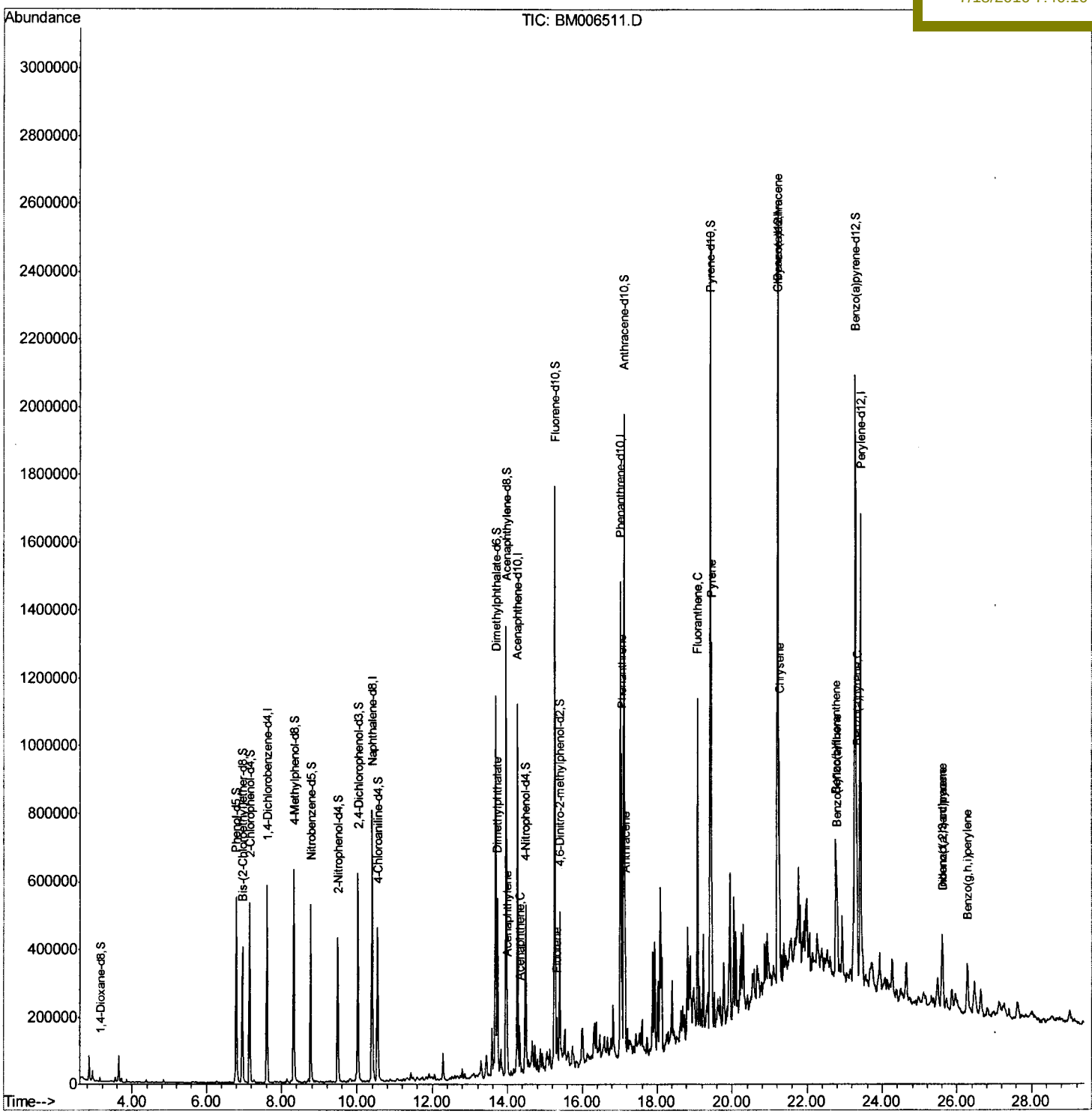
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jul 18 08:45:40 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio
APPROVED
sohil
7/18/2016 7:40:10 PM



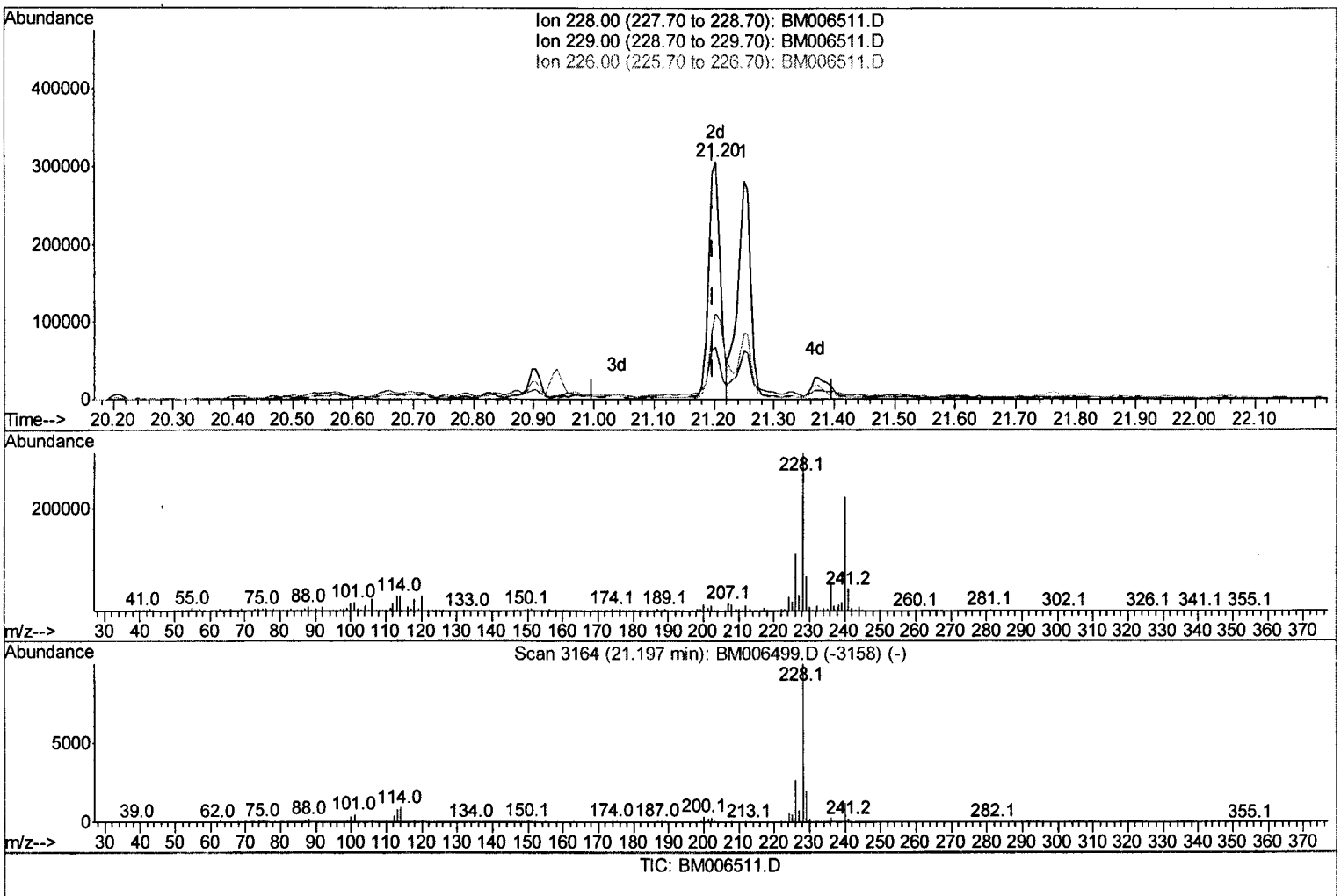
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jul 18 07:44:10 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio
APPROVED
sohil
7/18/2016 7:40:10 PM



TIC: BM006511.D

(80) Benzo(a)anthracene

21.203min (+0.006) 7.44ng/ul m U.M

response 422076

07/26/16

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	22.02
226.00	26.80	36.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

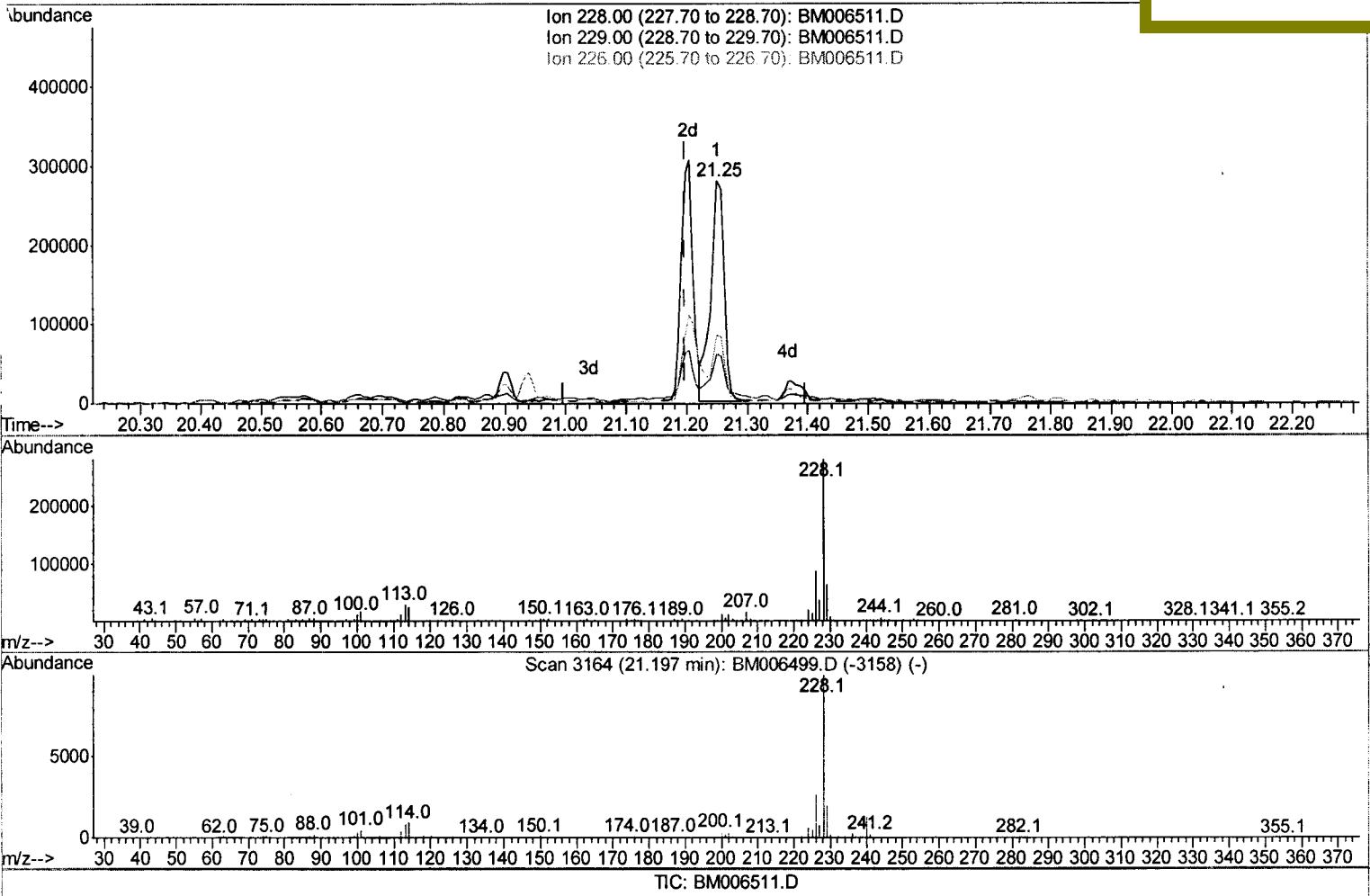
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jul 18 07:44:10 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio

APPROVED
sohil
7/18/2016 7:40:10 PM



TIC: BM006511.D

(80) Benzo(a)anthracene

21.250min (+0.053) 7.45ng/ul

response 422158

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	22.41
226.00	26.80	30.75
0.00	0.00	0.00

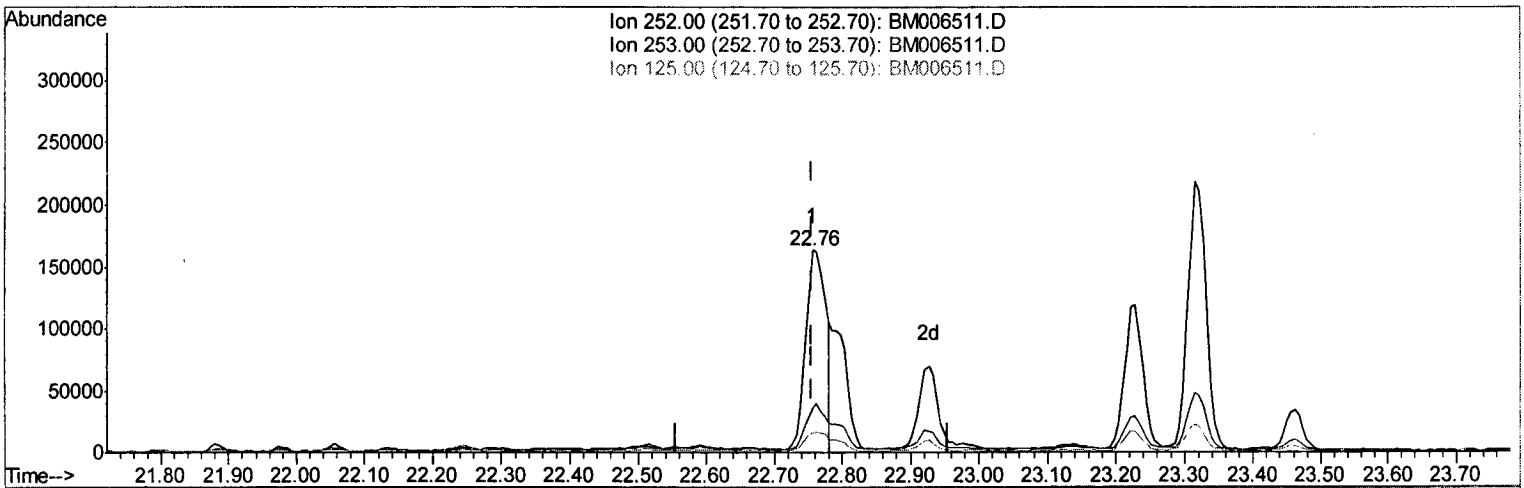
Quantitation Report (Qedit)

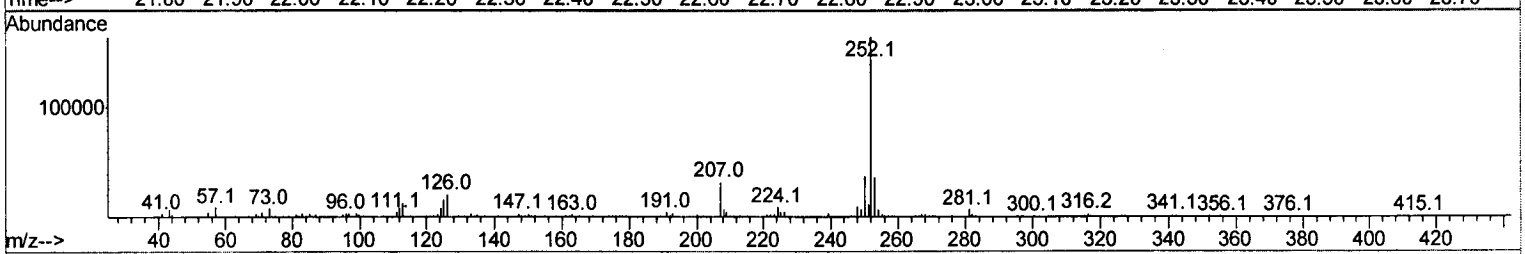
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

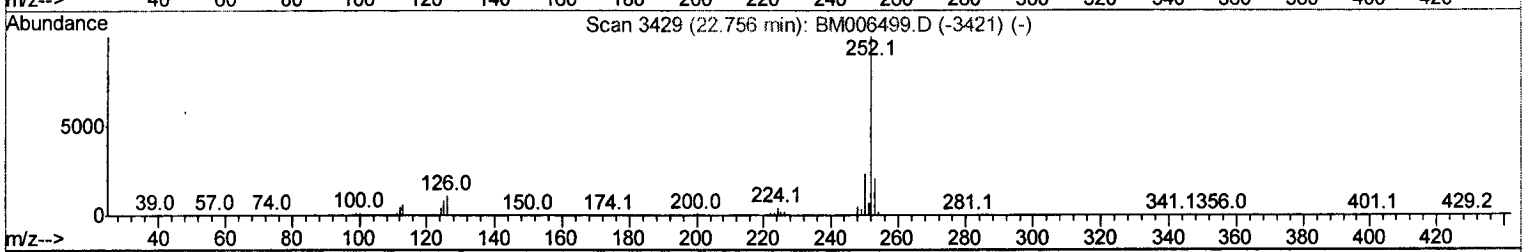
Quant Time: Jul 18 08:43:32 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio
APPROVED
sohil
7/18/2016 7:40:10 PM







TIC: BM006511.D

(85) Benzo(b)fluoranthene

22.756min (+0.000) 5.70ng/ul m U.M 07/26/16

response 340367

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.11
125.00	8.40	9.99
0.00	0.00	0.00

Quantitation Report (Qedit)

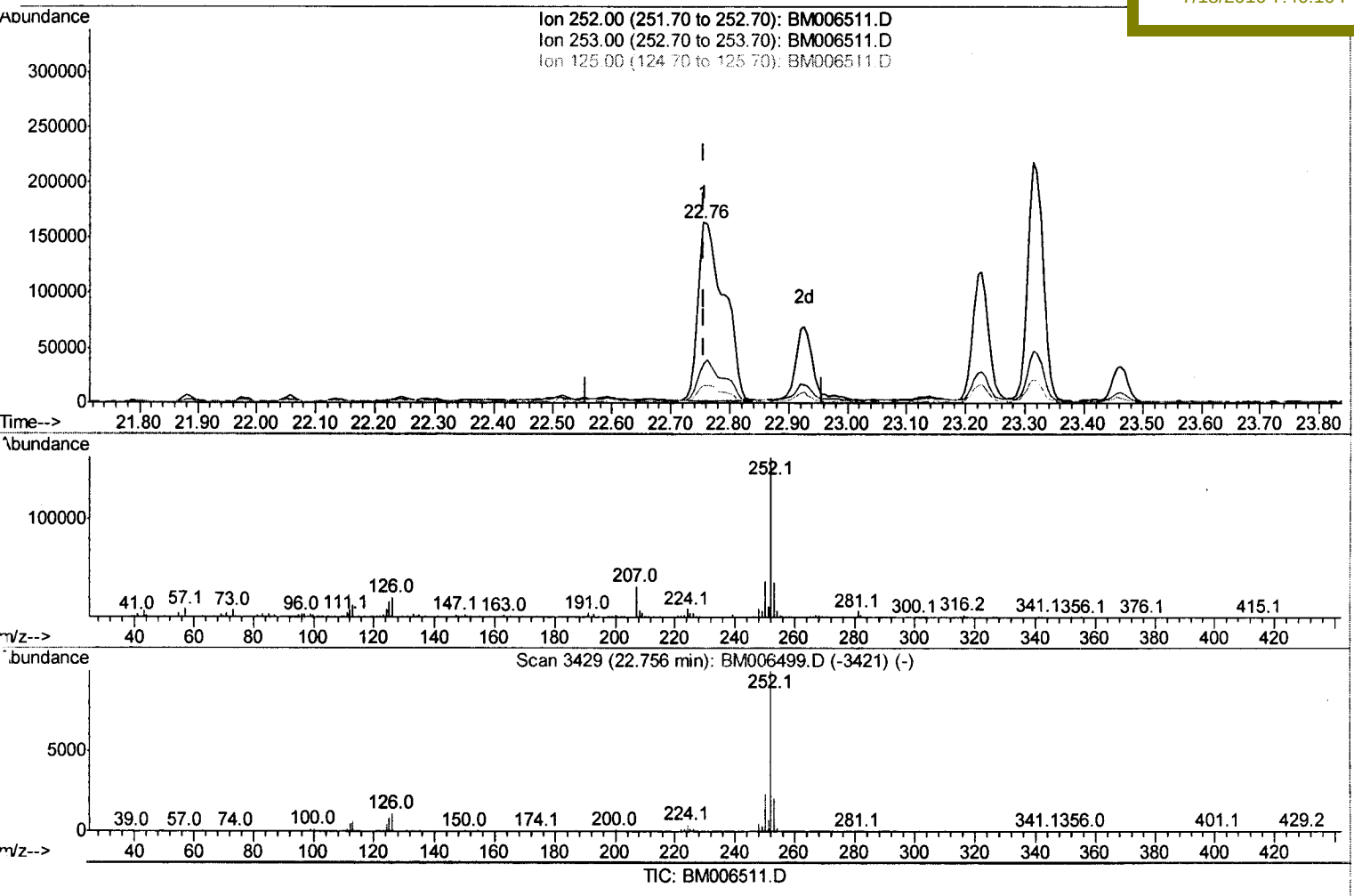
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jul 18 08:43:32 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio

APPROVE
sohil
7/18/2016 7:40:10 PM



TIC: BM006511.D

(85) Benzo(b)fluoranthene

22.756min (+0.000) 8.28ng/ul

response 494492

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.11
125.00	8.40	9.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

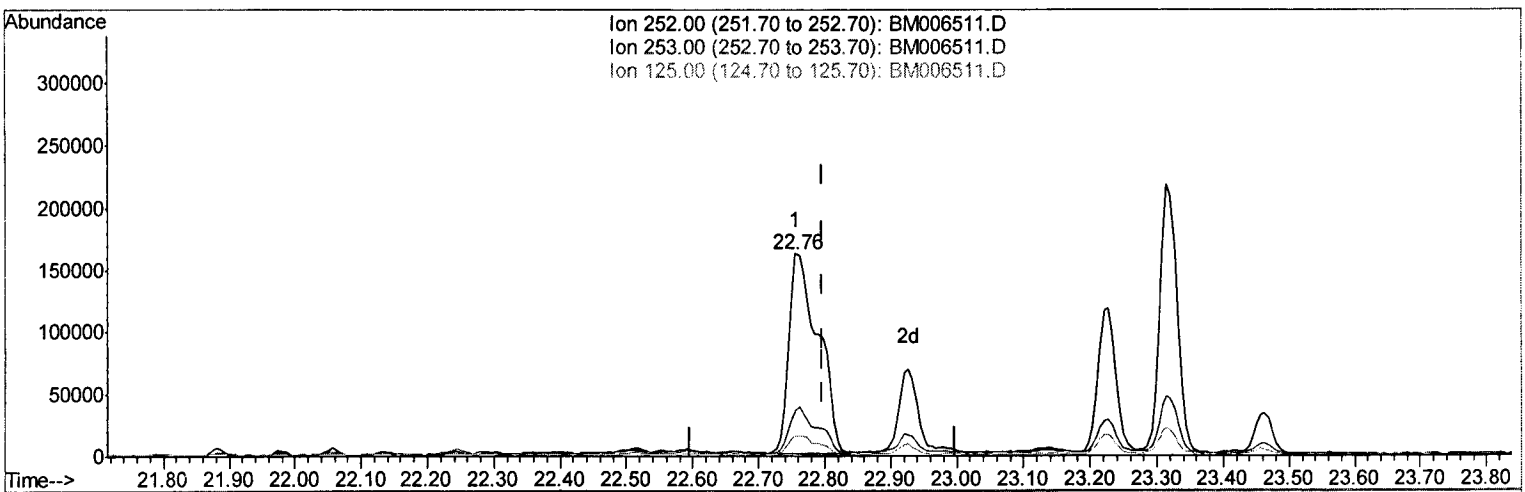
Instrument :
BNA_M
ClientSampleId :
BDJ51

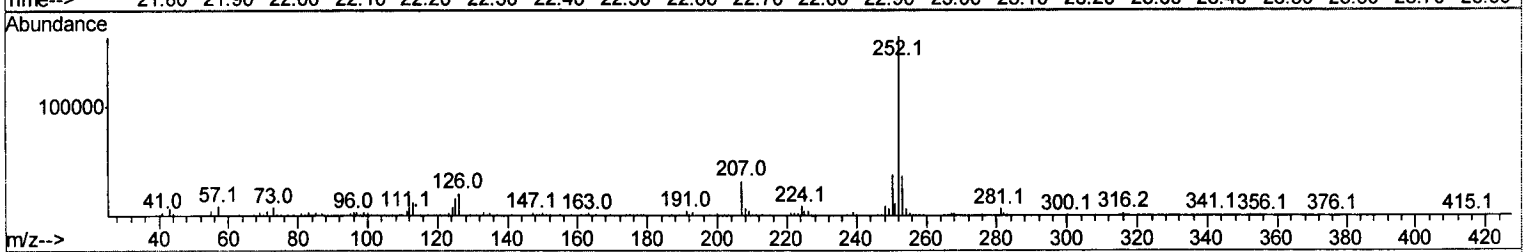
Manual Integratio

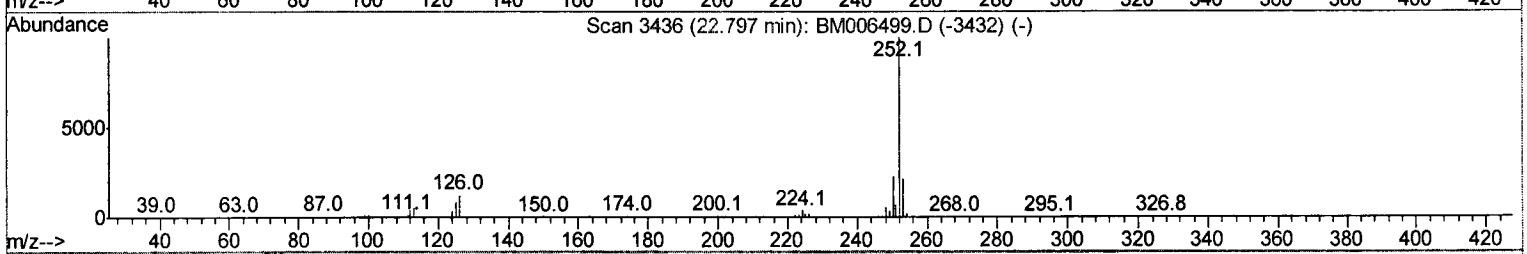
APPROVED

sohil
7/18/2016 7:40:10 PM

Quant Time: Jul 18 08:43:32 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration







TIC: BM006511.D

(86) Benzo(k)fluoranthene

22.756min (-0.041) 8.80ng/ul

response 494492

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.11
125.00	8.70	9.99
0.00	0.00	0.00

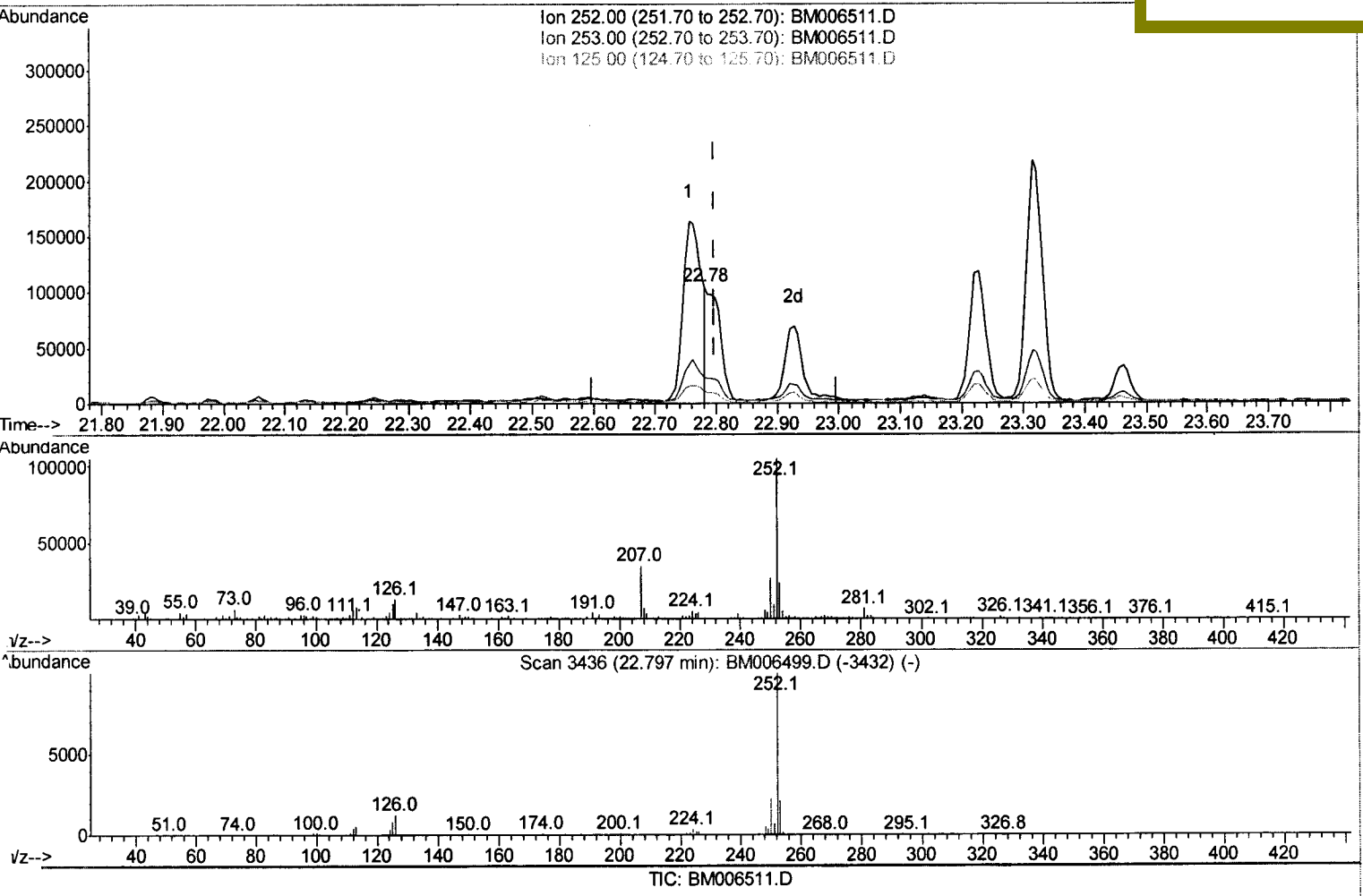
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jul 18 08:43:32 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio
APPROVE
sohil
7/18/2016 7:40:10 PM



(86) Benzo(k)fluoranthene

22.780min (-0.017) 3.00ng/ul m U.M 07/26/16

response 168395

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.78
125.00	8.70	10.16
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ51

Manual Integratio
APPROVED
sohil
7/18/2016 7:40:10 PM

Quant Time: Jul 18 08:45:40 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	149656	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	650560	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	363689	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	826308	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	928895	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	999760	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	5642	1.59	ng/uL	0.00
5) Phenol-d5	6.79	99	290323	23.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	189177	25.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	235417	23.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	236213	24.24	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	113977	23.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	127802	22.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	228030	21.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	254844	23.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	763973	25.67	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	944605	25.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	119191	23.05	ng/ul	0.00
57) Fluorene-d10	15.26	176	670802	25.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	88767	18.57	ng/ul	0.00
70) Anthracene-d10	17.12	188	1045572	26.77	ng/ul	0.00
76) Pyrene-d10	19.42	212	1194284	28.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1269416	27.77	ng/ul	0.00
Target Compounds						Qvalue
44) Dimethylphthalate	13.73	163	318059	10.53	ng/ul	99
47) Acenaphthylene	13.99	152	74715	1.95	ng/ul#	94
49) Acenaphthene	14.33	153	61415	2.49	ng/ul	98
58) Fluorene	15.32	166	66339	2.31	ng/ul	96
69) Phenanthrene	17.06	178	525136	11.56	ng/ul	98
71) Anthracene	17.15	178	239053	5.12	ng/ul	98
74) Fluoranthene	19.08	202	553899	10.49	ng/ul	99
77) Pyrene	19.44	202	685587	12.36	ng/ul	99
80) Benzo(a)anthracene	21.20	228	422076m	7.44	ng/ul	
82) Chrysene	21.25	228	422158	7.91	ng/ul	96
85) Benzo(b)fluoranthene	22.76	252	340367m	5.70	ng/ul	
86) Benzo(k)fluoranthene	22.78	252	168395m	3.00	ng/ul	
88) Benzo(a)pyrene	23.32	252	395489	6.91	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.60	276	192609	2.89	ng/ul	96
90) Dibenzo(a,h)anthracene	25.60	278	65430	1.18	ng/ul#	88
91) Benzo(g,h,i)perylene	26.28	276	173968	2.96	ng/ul	95

U.M 07/26/16

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