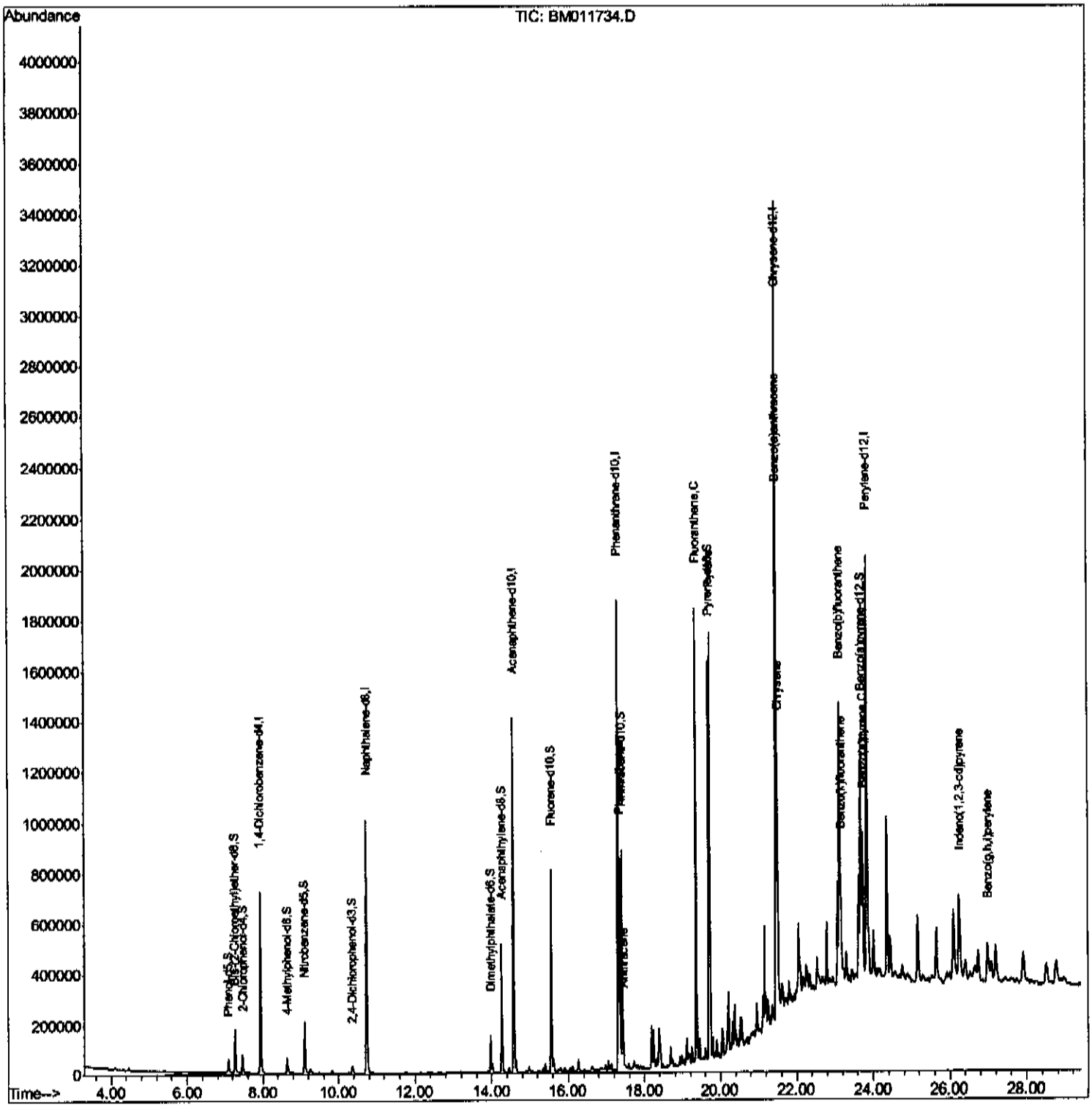
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 28 04:29:30 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3F3

Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 28 04:07:20 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
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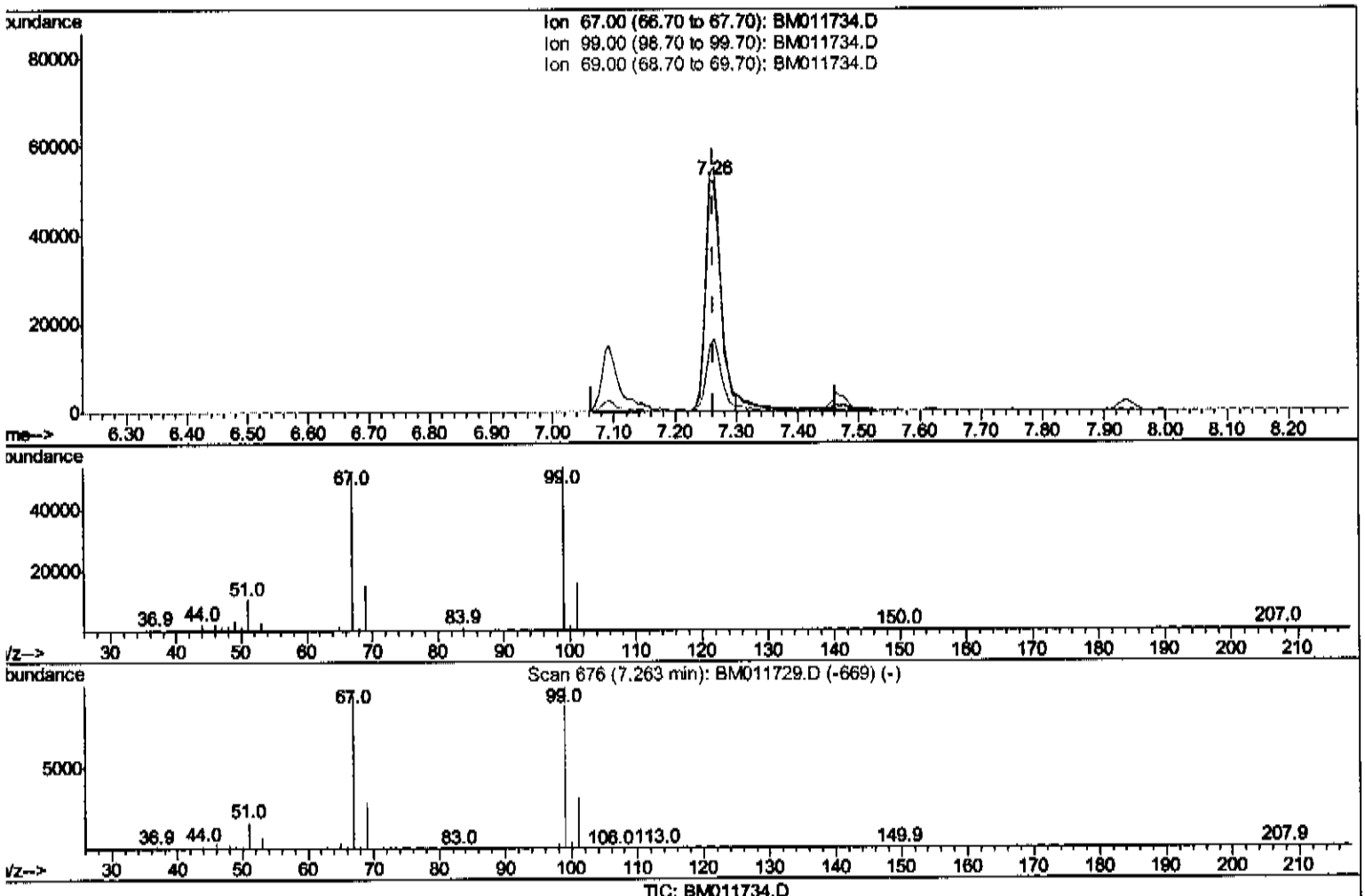
Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.257min (-0.006) 7.31ng/ul

response 90807

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	103.00
69.00	36.30	28.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

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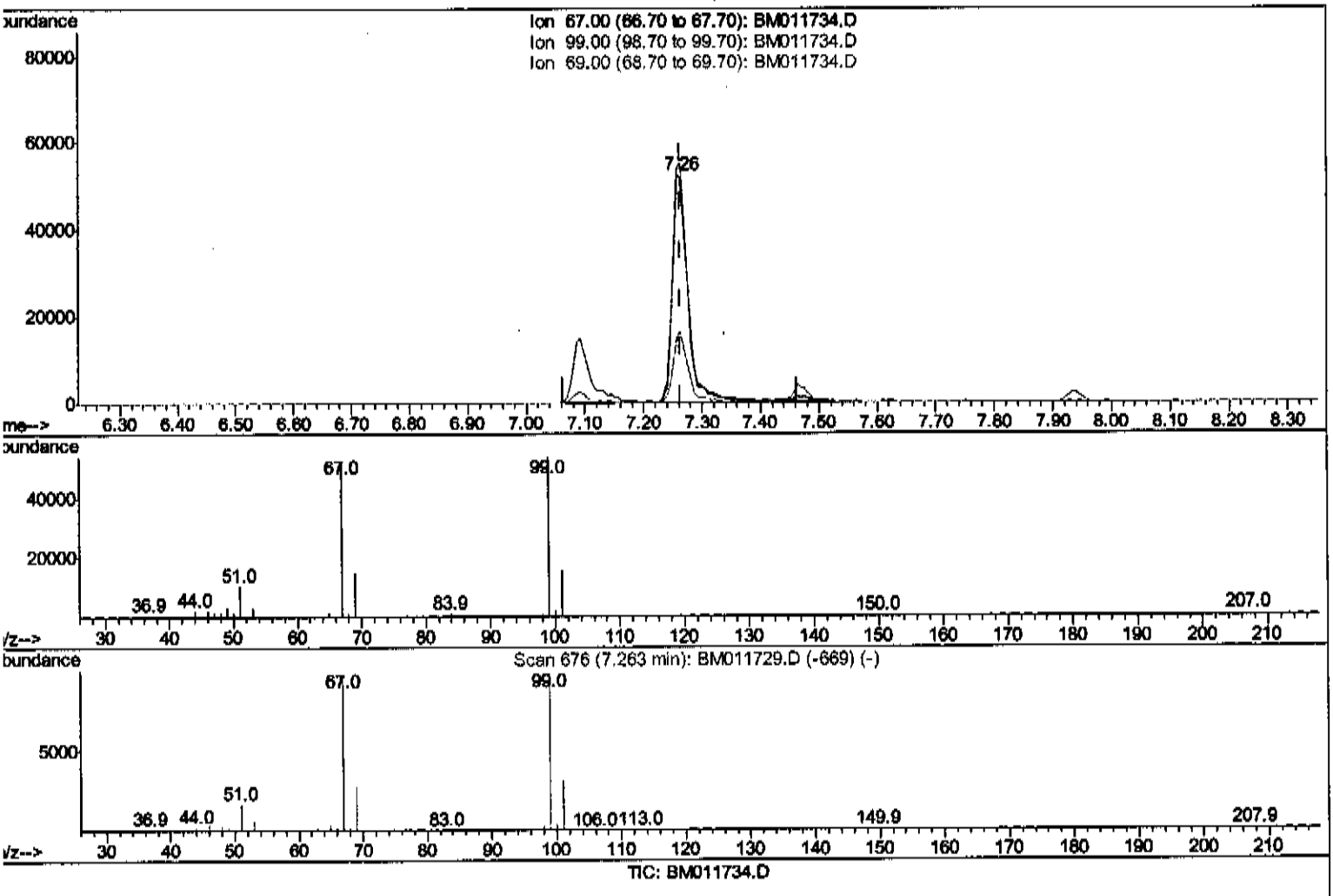
Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.257min (-0.006) 7.73ng/ul m SJU 10/5/17

response 96009

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	103.00
69.00	36.30	28.80#
0.00	0.00	0.00

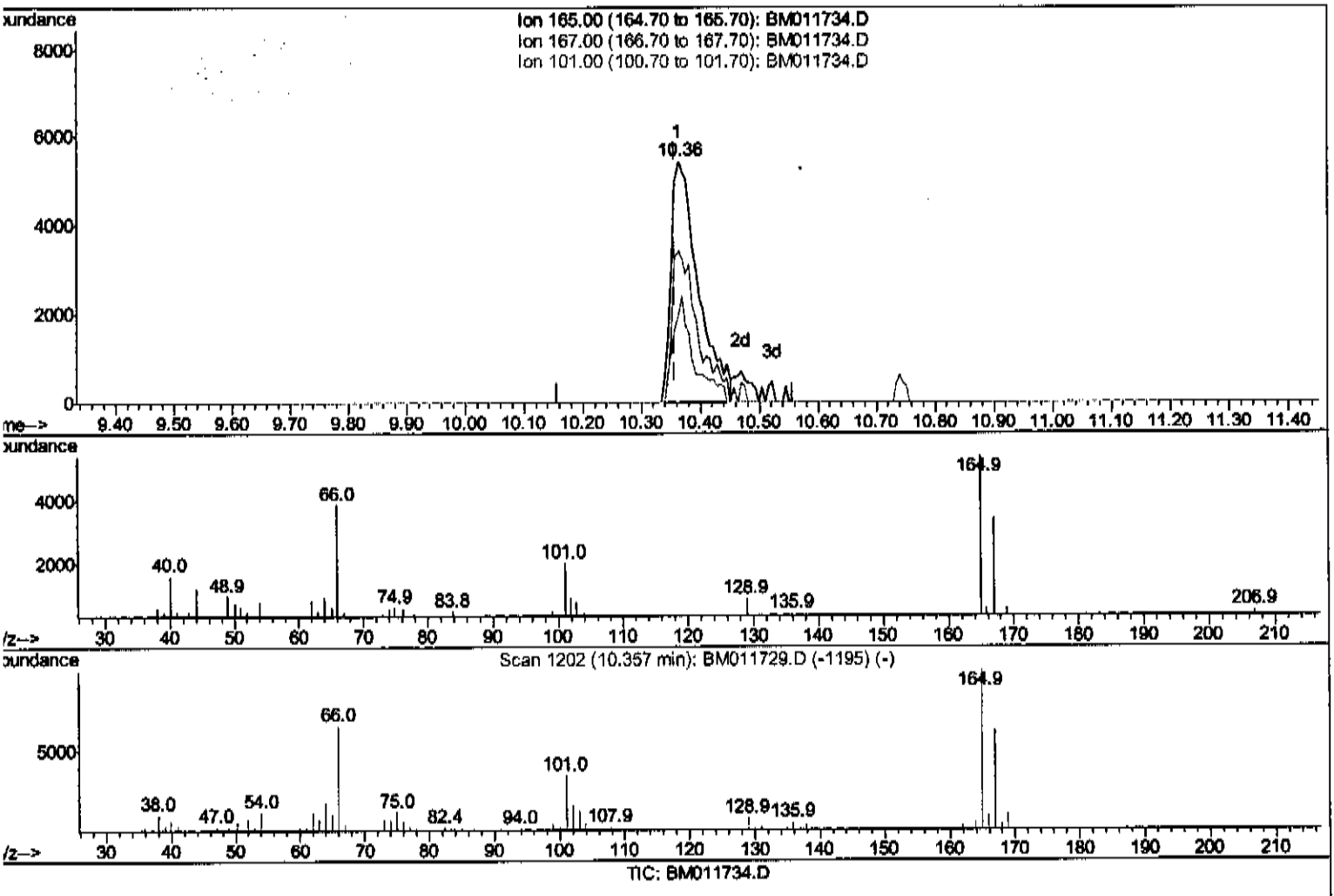
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 28 04:26:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3F3

Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



(26) 2,4-Dichlorophenol-d3 (S)

10.363min (+0.006) 1.41ng/ul

response 17282

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	62.73
101.00	29.30	37.01#
0.00	0.00	0.00

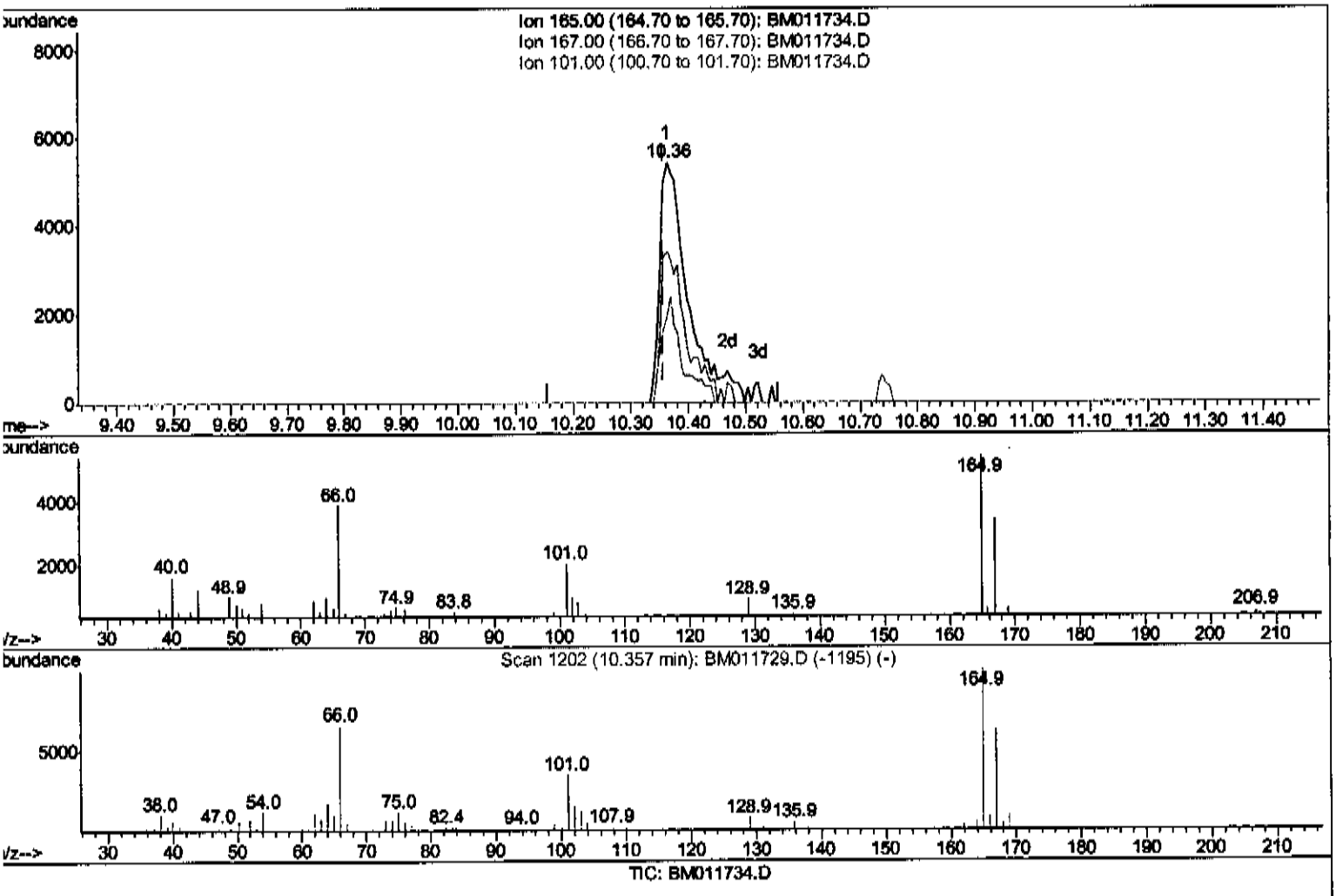
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 28 04:26:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3F3

Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



(26) 2,4-Dichlorophenol-d3 (S)

10.363min (+0.006) 1.51ng/ul m JU 10/5/17

response 18553

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	62.73
101.00	29.30	37.01#
0.00	0.00	0.00

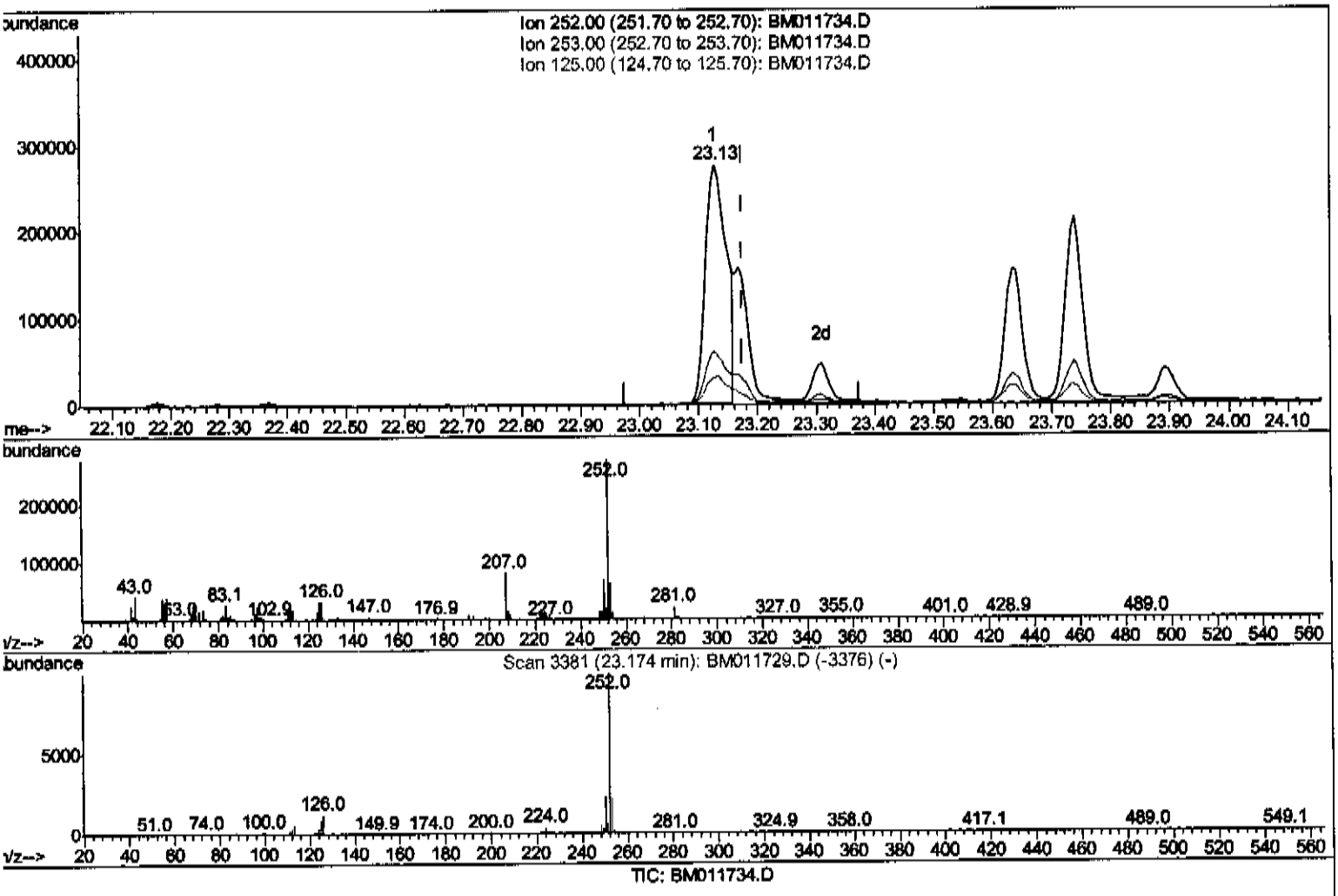
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 28 04:27:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3F3

Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



(86) Benzo(k)fluoranthene

23.127min (-0.047) 8.93ng/ul

response 678625

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.46
125.00	4.30	11.55#
0.00	0.00	0.00

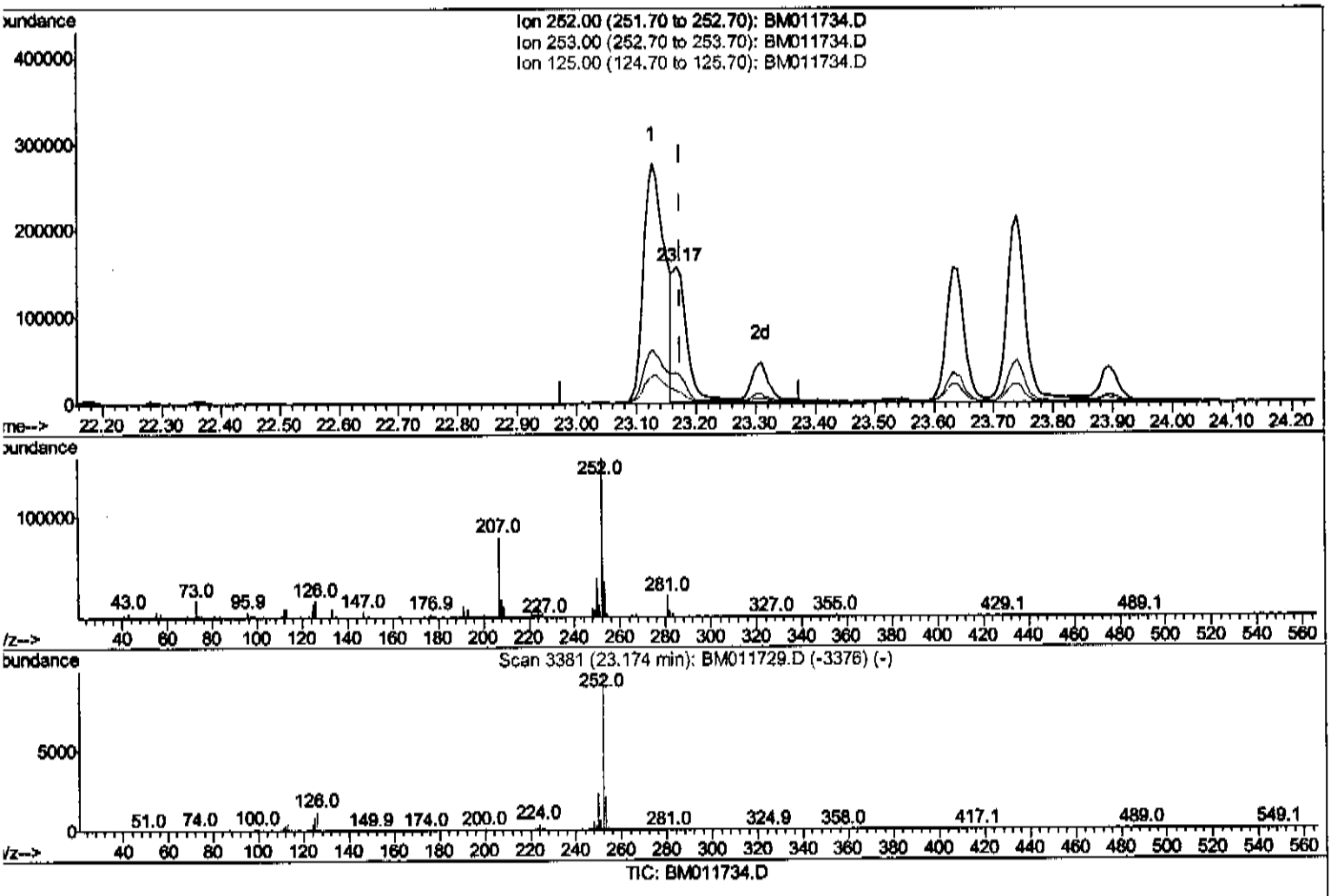
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 28 04:27:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3F3

Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM



(86) Benzo(k)fluoranthene

23.168min (-0.006) 3.43ng/ul m JU 10/5/17

response 260494

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.15
125.00	4.30	8.93#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011734.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5405-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB3F3

Manual Integrations APPROVED
Sohil
9/29/2017 2:22:46 PM

Quant Time: Sep 28 04:29:30 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	174166	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	773176	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	440643	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1005466	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1304213	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1263193	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.36	96	1821	0.47	ng/uL	0.00
5) Phenol-d5	7.09	99	30581	1.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	96009m	7.73	ng/ul	>0.00 JU 10/5/17
9) 2-Chlorophenol-d4	7.47	132	31606	2.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.64	113	28392	2.12	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	43610	7.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	4663	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	18553m	1.51	ng/ul	>0.00 JU 10/5/17
29) 4-Chloroaniline-d4	10.92	131	235	0.02	ng/ul	0.05
43) Dimethylphthalate-d6	13.97	166	99347	2.63	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	345050	7.55	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.56	176	288173	8.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.69	200	266	0.04	ng/ul	0.00
70) Anthracene-d10	17.41	188	482988	9.44	ng/ul	0.00
76) Pyrene-d10	19.70	212	622019	9.99	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	561268	9.28	ng/ul	0.00
Target Compounds						Qvalue
69) Phenanthrene	17.36	178	468057	8.317	ng/ul	98
71) Anthracene	17.44	178	79414	1.370	ng/ul	99
74) Fluoranthene	19.36	202	1018211	14.819	ng/ul#	88
77) Pyrene	19.73	202	973009	12.519	ng/ul#	87
80) Benzo(a)anthracene	21.46	228	558093	7.649	ng/ul	97
82) Chrysene	21.52	228	555403	8.071	ng/ul	98
85) Benzo(b)fluoranthene	23.13	252	678625	9.105	ng/ul#	96
86) Benzo(k)fluoranthene	23.17	252	260494m	3.426	ng/ul	> JU 10/5/17
88) Benzo(a)pyrene	23.74	252	426615	5.926	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.26	276	249428	3.328	ng/ul#	91
91) Benzo(g,h,i)perylene	27.00	276	206615	3.321	ng/ul#	89

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