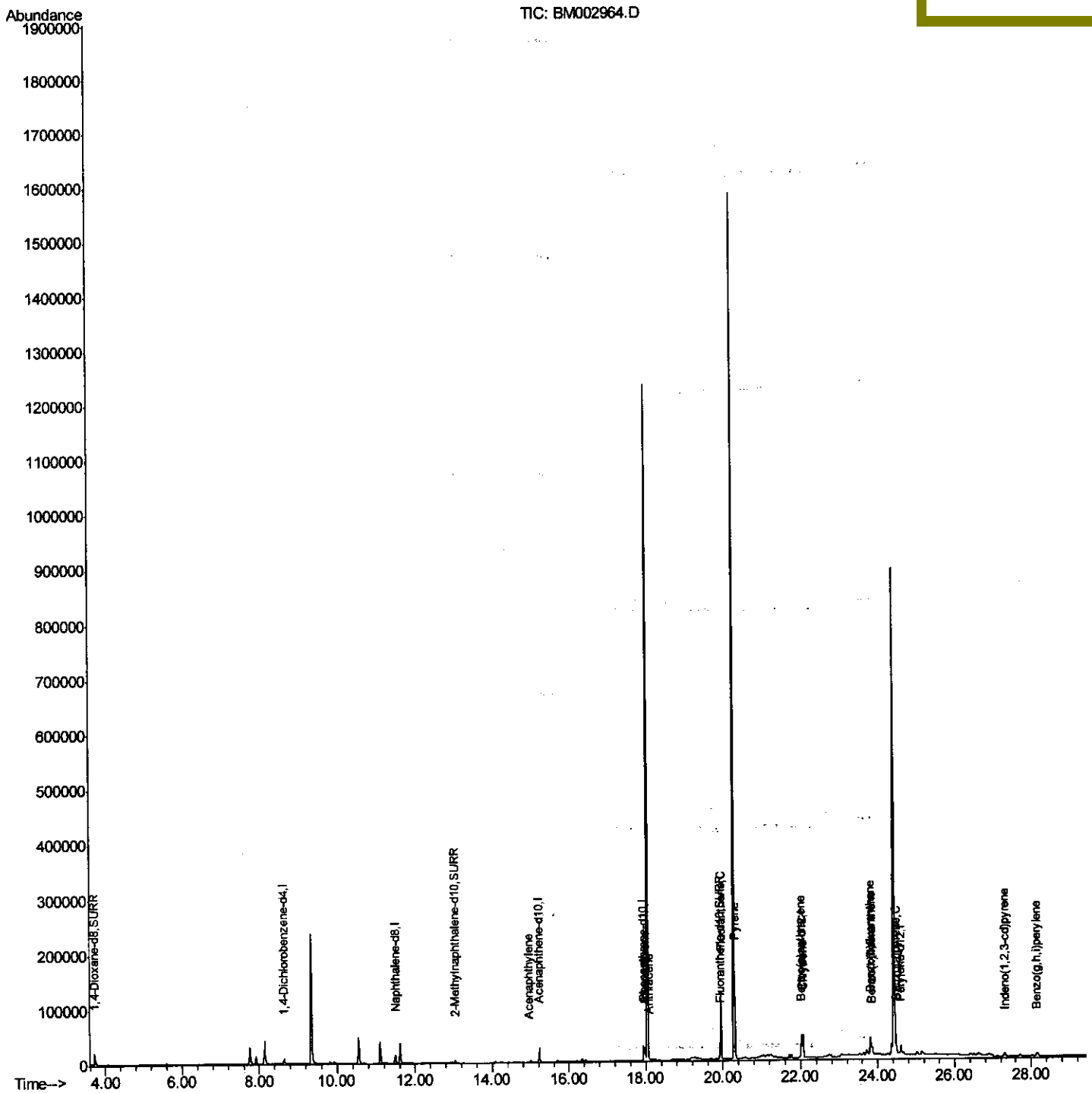
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002964.D
Acq On : 22 Oct 2015 01:13
Operator : UM/IZ
Sample : G4075-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 22 13:27:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K9

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002964.D
Acq On : 22 Oct 2015 01:13
Operator : UM/IZ
Sample : G4075-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 22 12:05:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
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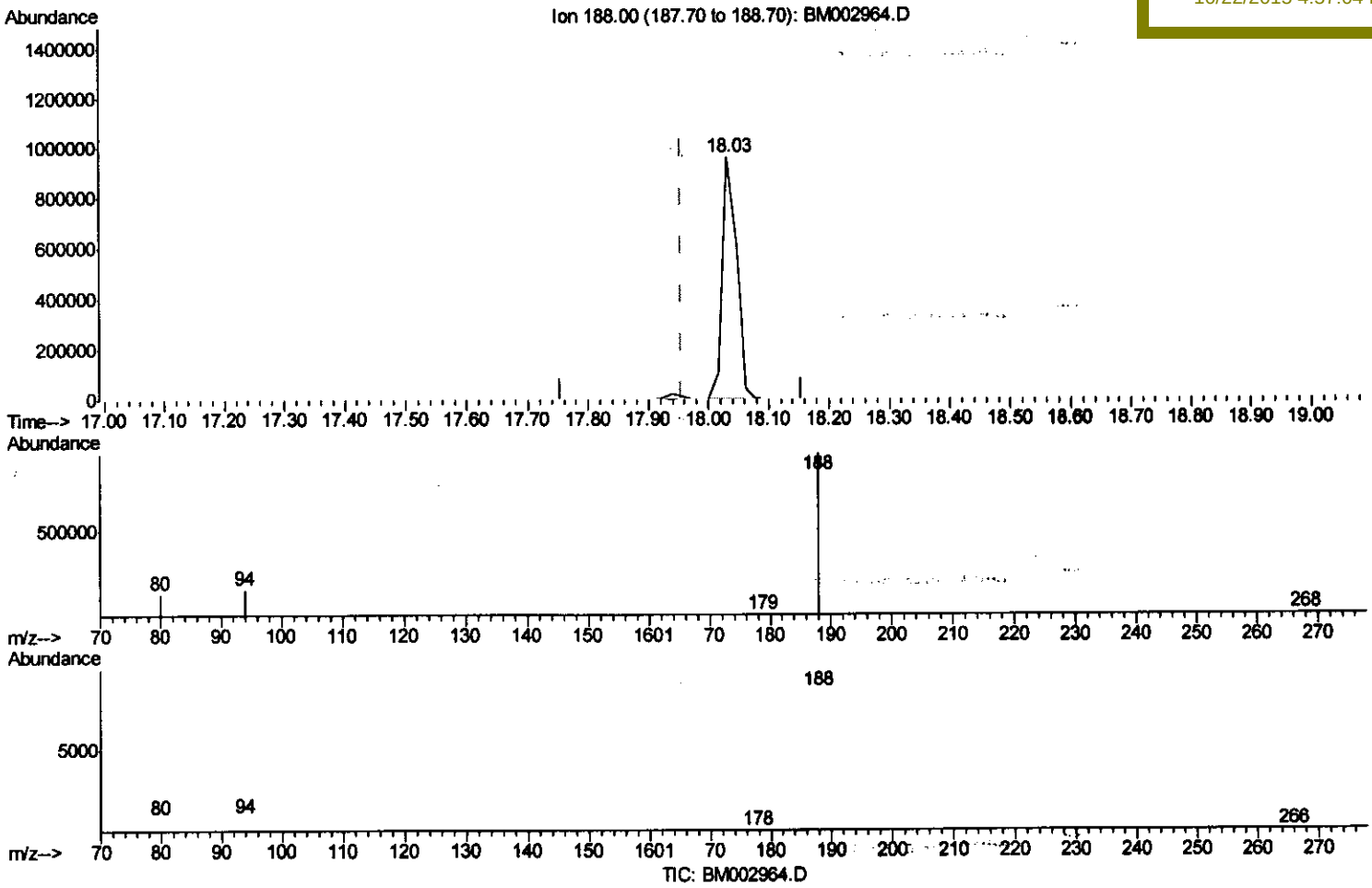
Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



(12) Phenanthrene-d10 (I)

18.031min (+0.077) 0.40ng/ul

response 1588140

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.93#
80.00	8.90	13.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

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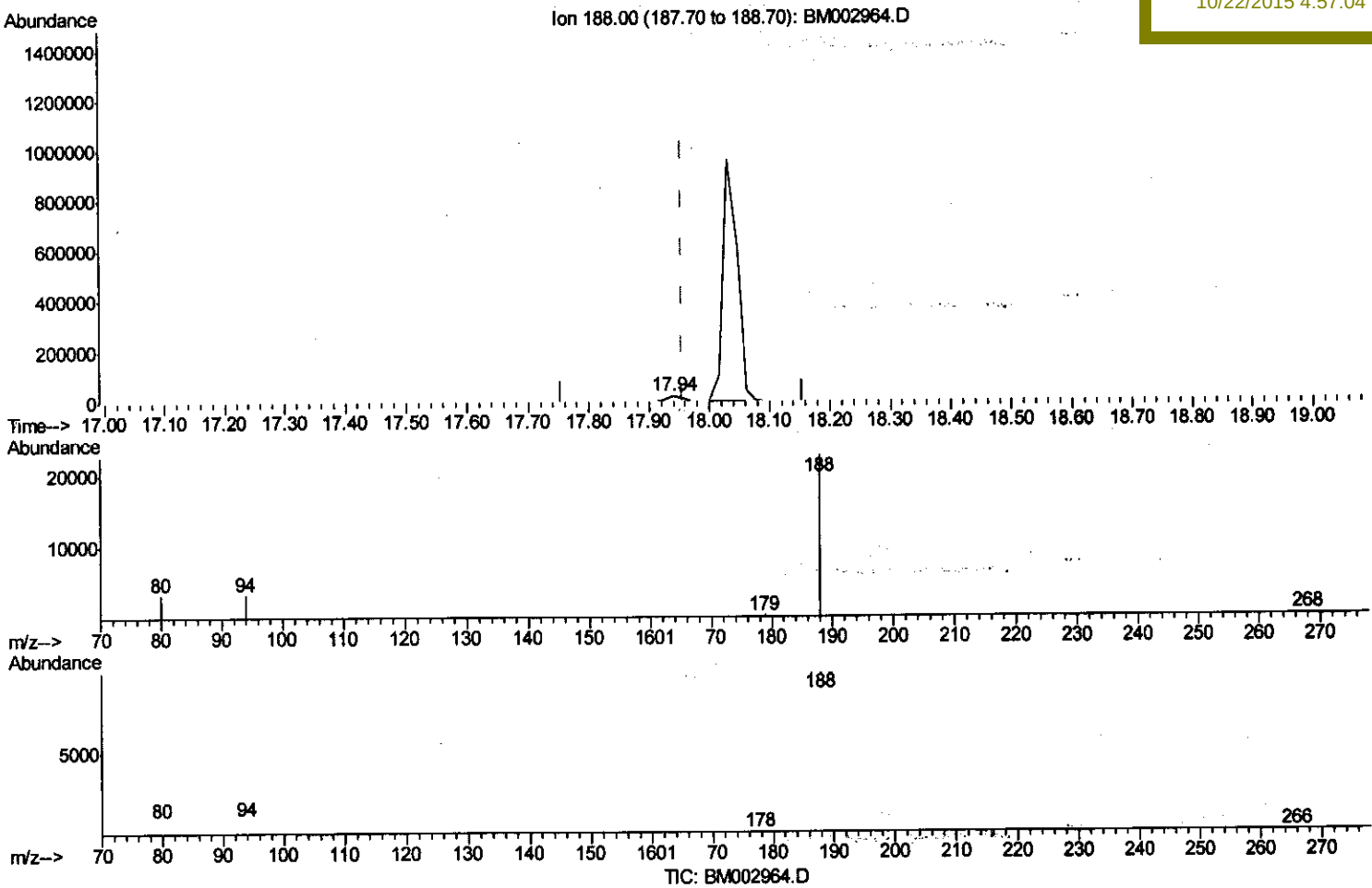
Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



(12) Phenanthrene-d10 (I)

17.938min (-0.016) 0.40ng/ul m

response 36365

U.M. 10/23/15

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	14.46#
80.00	8.90	14.46#
0.00	0.00	0.00

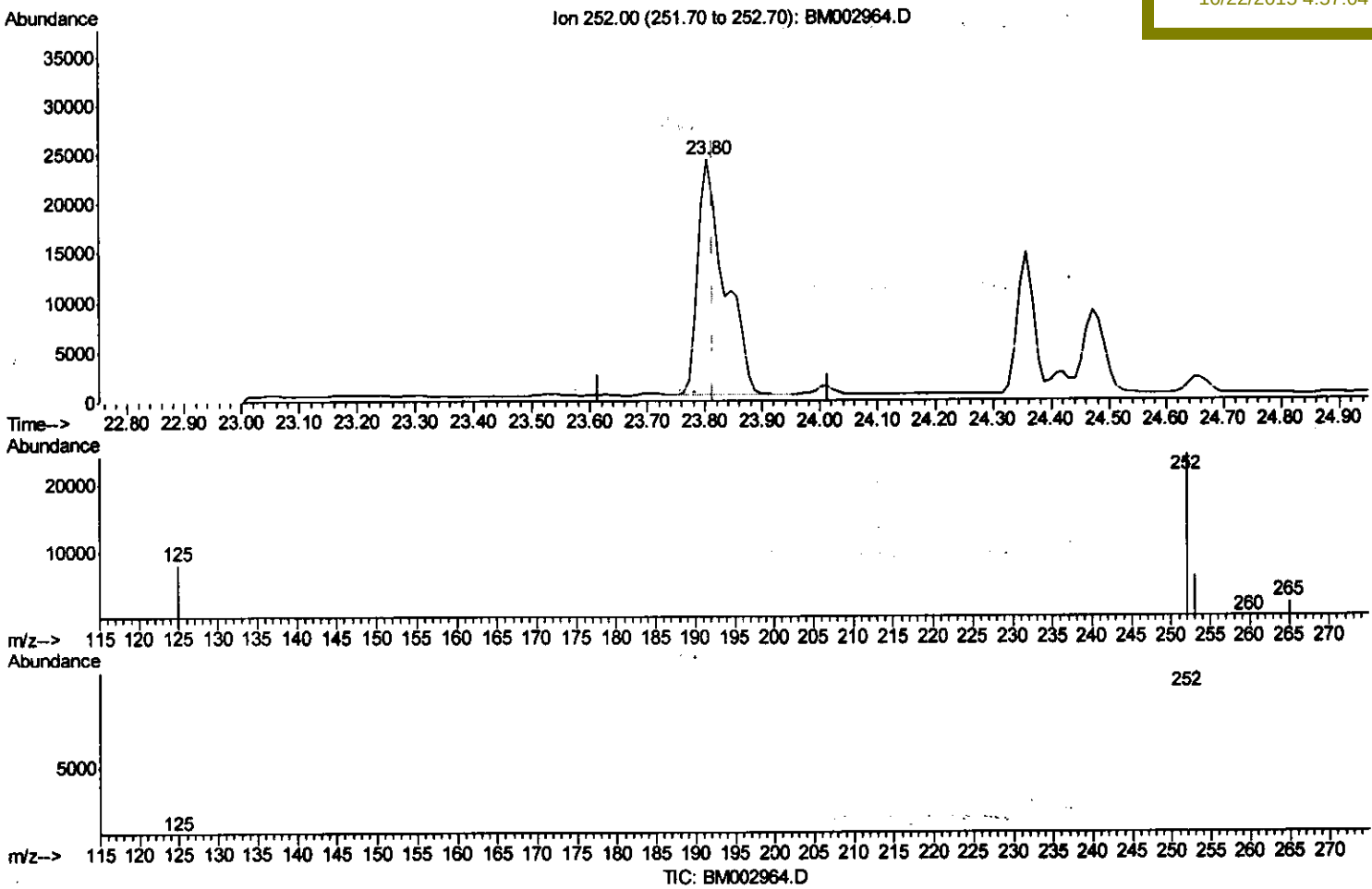
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002964.D
Acq On : 22 Oct 2015 01:13
Operator : UM/IZ
Sample : G4075-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 22 13:24:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K9

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



TIC: BM002964.D

(23) Benzo(b)fluoranthene

23.804min (-0.011) 0.74ng/ul

response 76282

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	25.87
125.00	18.30	33.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002964.D
Acq On : 22 Oct 2015 01:13
Operator : UM/IZ
Sample : G4075-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 22 13:24:00 2015
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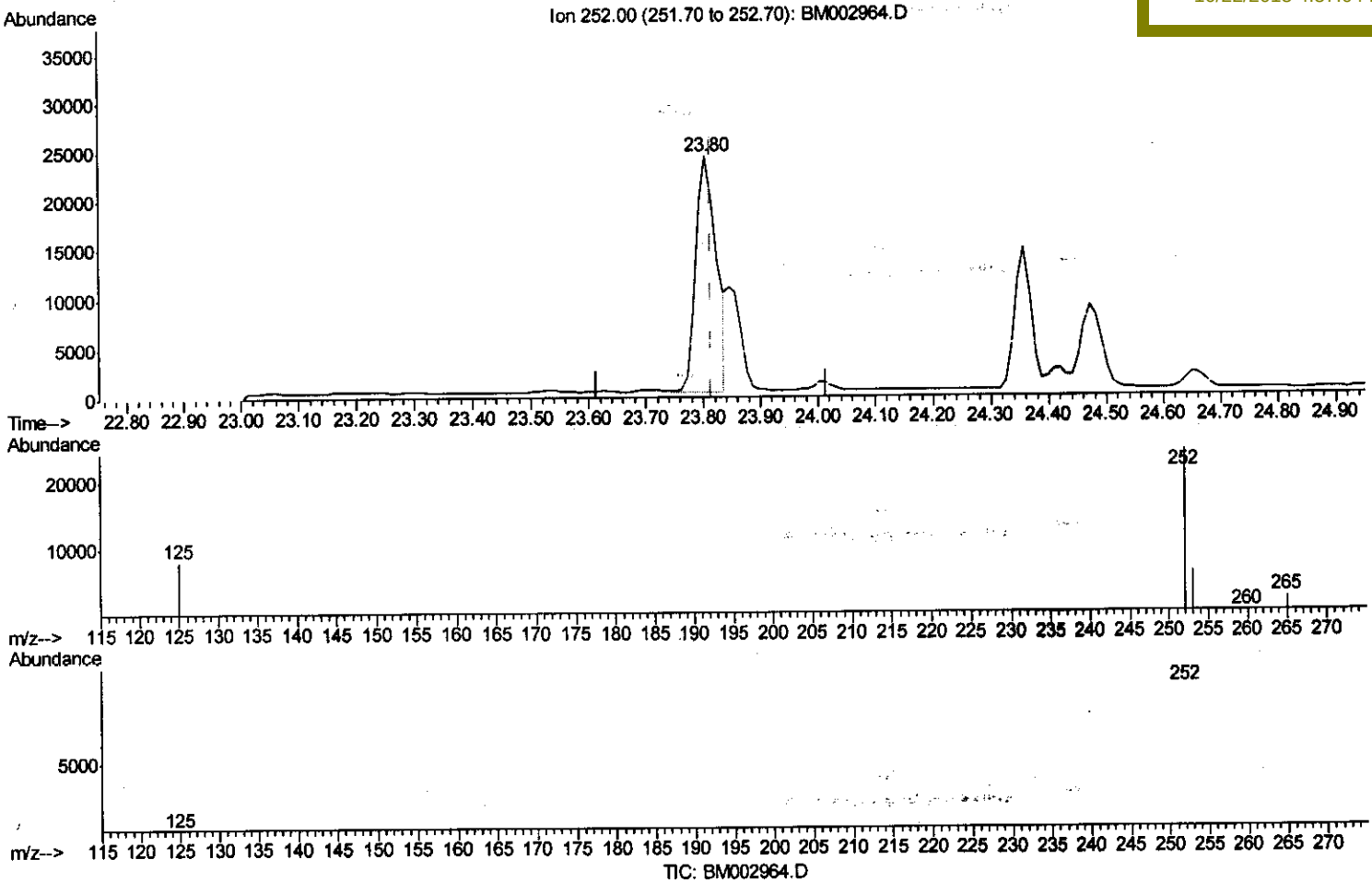
Instrument :
BNA_M
ClientSampleId :
JG9K9

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



(23) Benzo(b)fluoranthene

23.804min (-0.011) 0.57ng/ul m

response 59215

U.M. 10/23/15

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	25.87
125.00	18.30	33.39
0.00	0.00	0.00

Quantitation Report (Qedit)

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ALS Vial : 19 Sample Multiplier: 1

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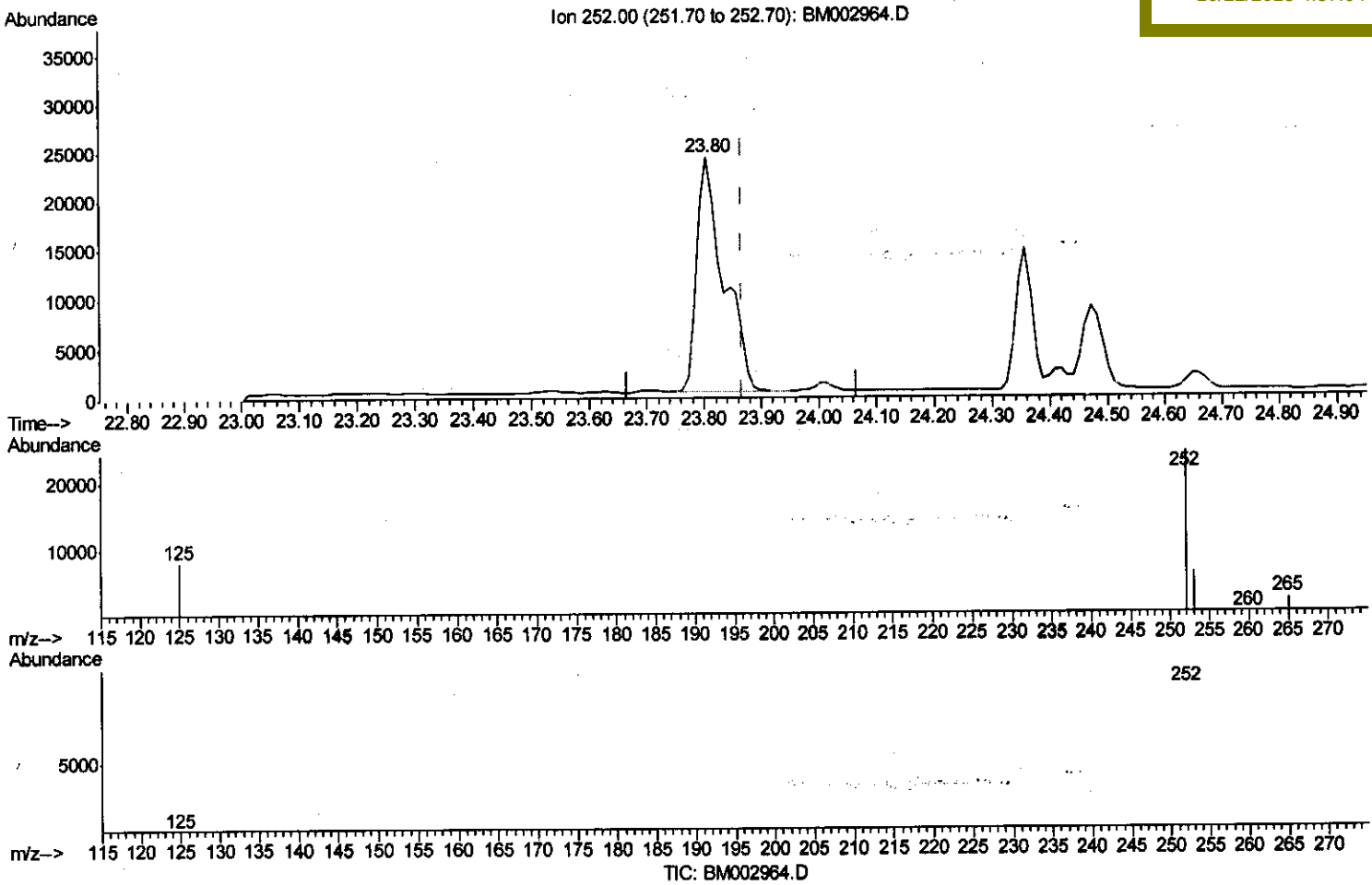
Instrument :
BNA_M
ClientSampleId :
JG9K9

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



(24) Benzo(k)fluoranthene

23.804min (-0.063) 0.76ng/ul

response 76282

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	25.87
125.00	15.30	33.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BM002964.D
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Operator : UM/IZ
Sample : G4075-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 22 13:24:00 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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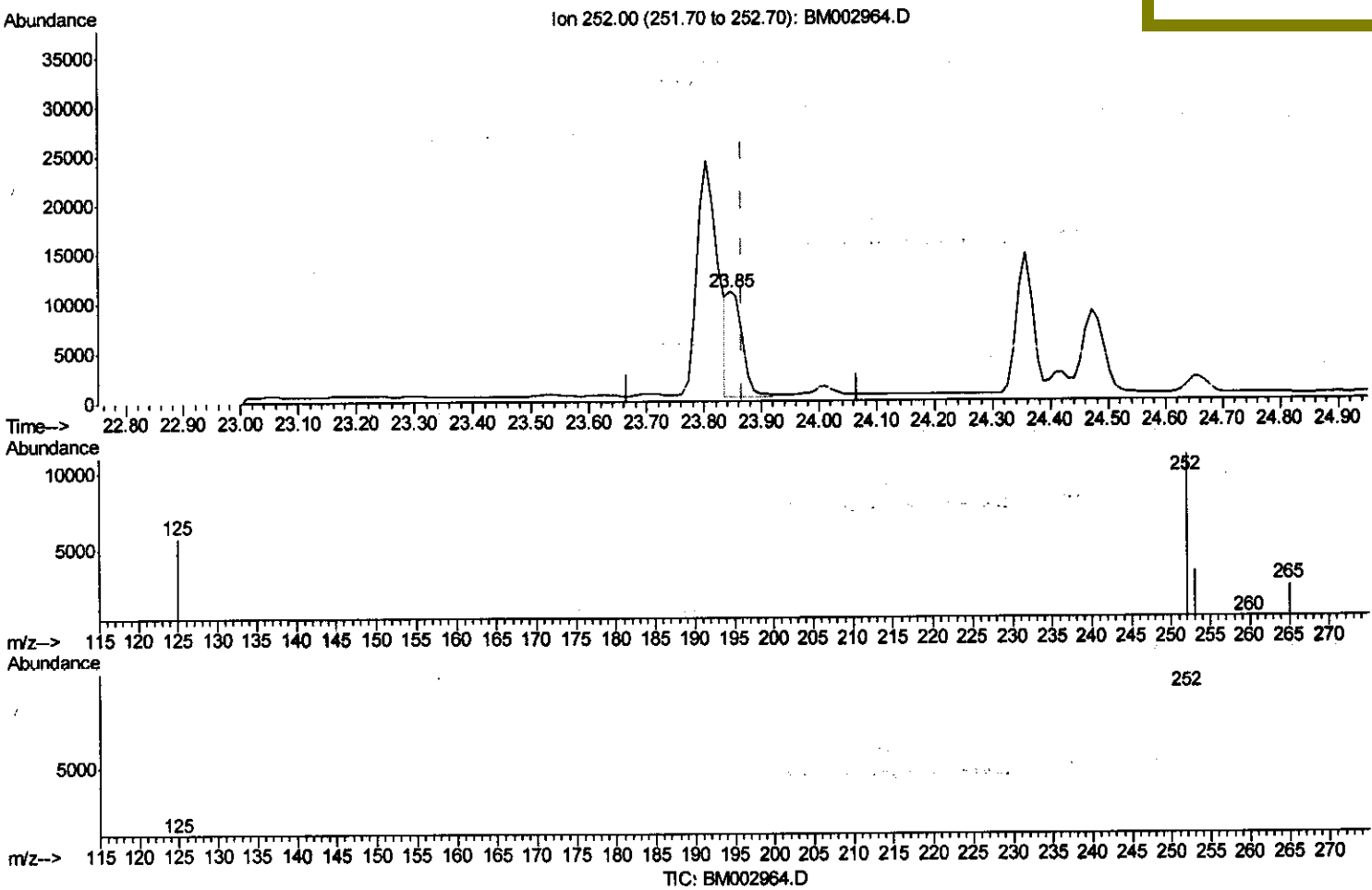
Instrument :
BNA_M
ClientSampleId :
JG9K9

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM



(24) Benzo(k)fluoranthene

23.845min (-0.021) 0.19ng/ul m

response 19048

U.M. 10/23/15

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	30.15
125.00	15.30	51.75#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Instrument : BNA_M
ClientSampleId : JG9K9

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:04 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5970	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.49	136	27577	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	15926	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	36365m	0.40	ng/ul	-0.02
18) Chrysene-d12	22.03	240	35966	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	29193	0.40	ng/ul	-0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	17154	2.69	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	8921	0.19	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	20622	0.21	ng/ul	0.00
Target Compounds						Qvalue
9) Acenaphthylene	14.96	152	1771	0.02	ng/ul#	82
14) Phenanthrene	17.98	178	30262	0.26	ng/ul	96
15) Anthracene	18.08	178	3521	0.03	ng/ul#	78
17) Fluoranthene	19.95	202	115440	0.85	ng/ul	94
19) Pyrene	20.30	202	102428	0.78	ng/ul	97
20) Benzo(a)anthracene	22.01	228	21837	0.18	ng/ul#	95
21) Chrysene	22.07	228	55283	0.46	ng/ul#	91
23) Benzo(b)fluoranthene	23.80	252	59215m	0.57	ng/ul	
24) Benzo(k)fluoranthene	23.85	252	19048m	0.19	ng/ul	
25) Benzo(a)pyrene	24.47	252	21726	0.22	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	27.32	276	14635	0.14	ng/ul	96
28) Benzo(g,h,i)perylene	28.15	276	16187	0.18	ng/ul#	79

U.M. 10/23/15

U.M. 10/23/15

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