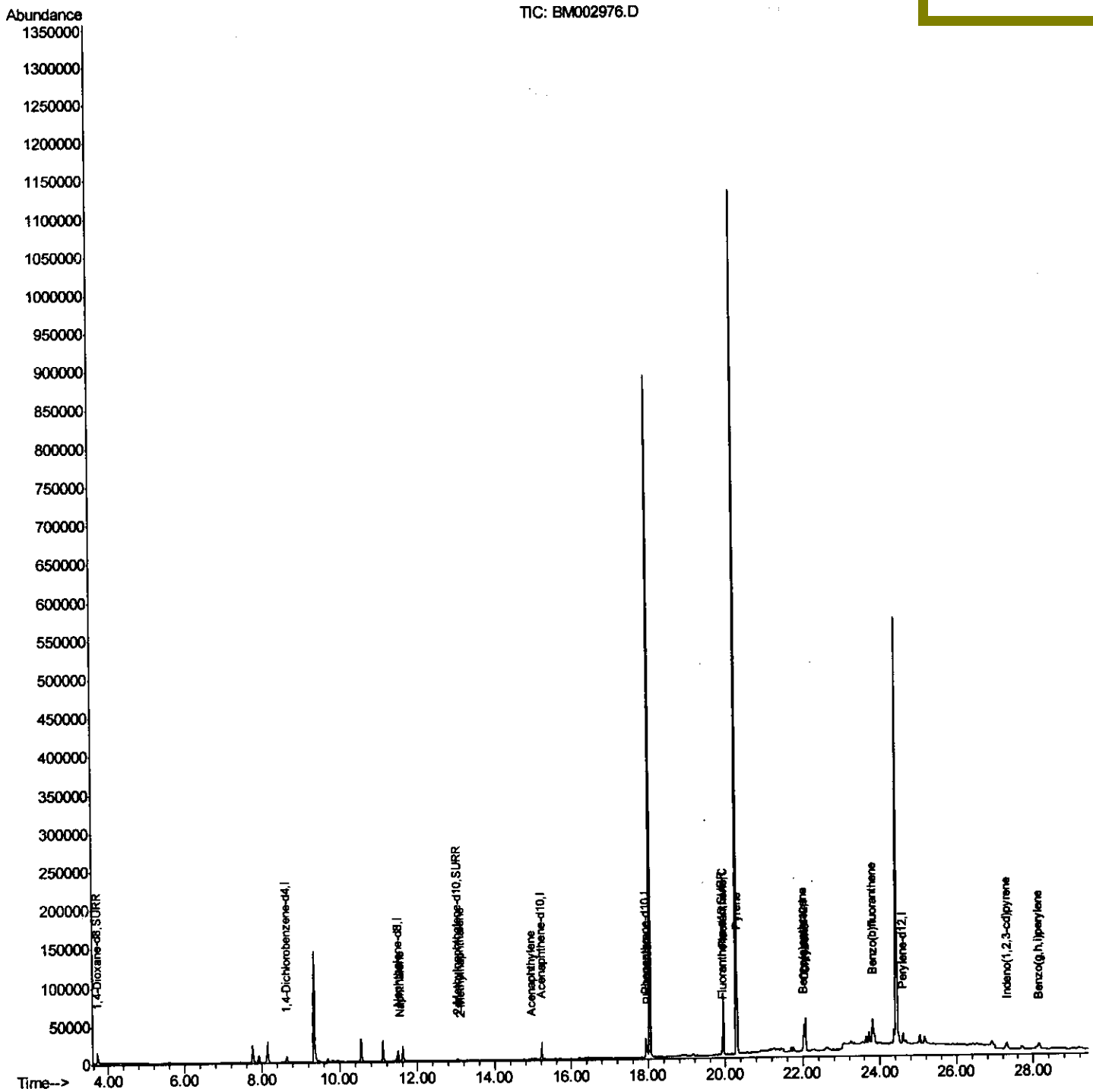
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 03:06:10 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 : Fri Oct 23 01:01:42 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K3

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:03:42 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 : Fri Oct 23 01:01:42 2015
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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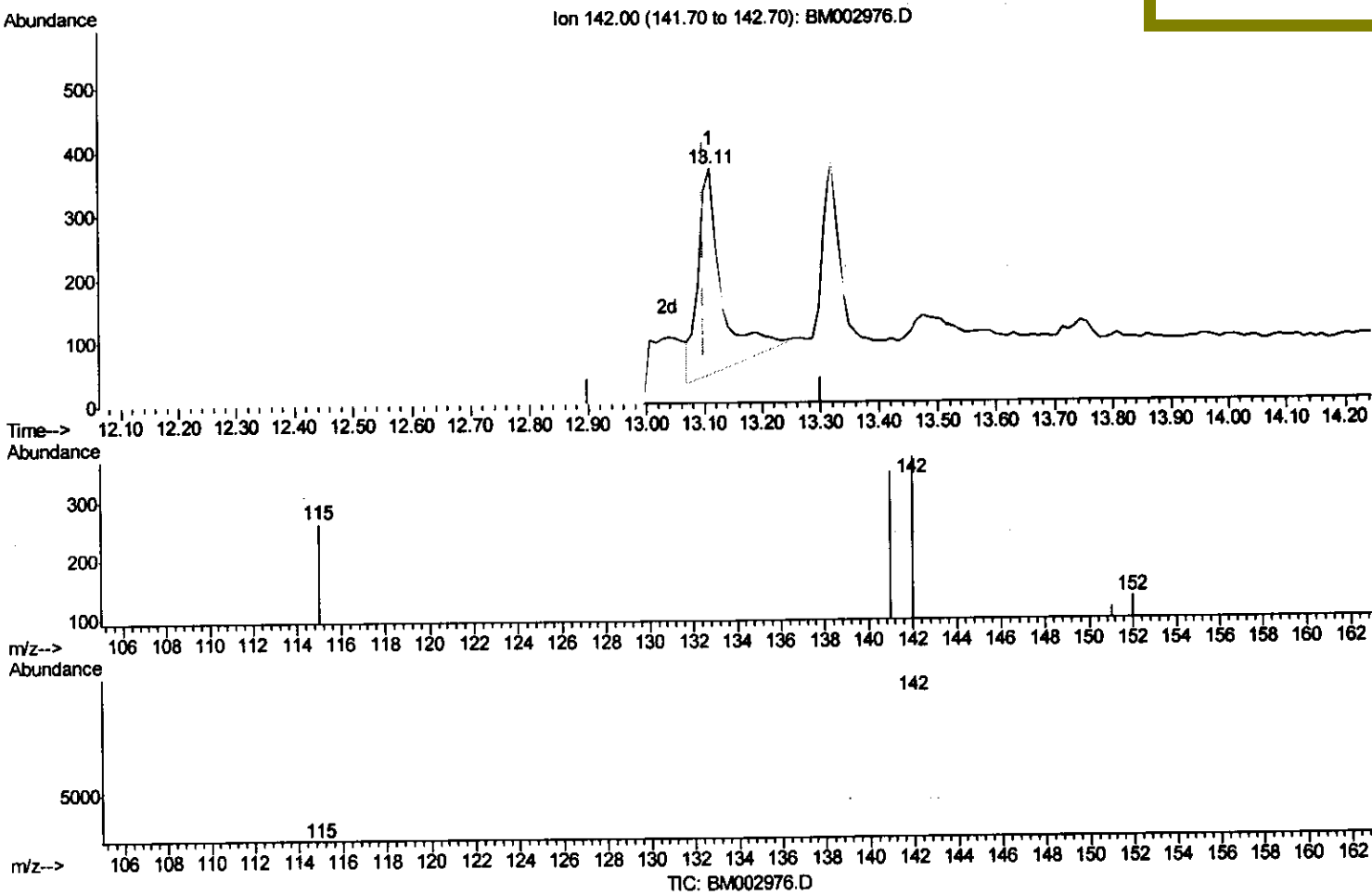
mmdadoda
10/23/2015 4:43:27 PM



TIC: BM002976.D

(7) 2-Methylnaphthalene

13.110min (+0.010) 0.02ng/ul

response 921

Ion	Exp%	Act%
142.00	100	100
141.00	87.90	101.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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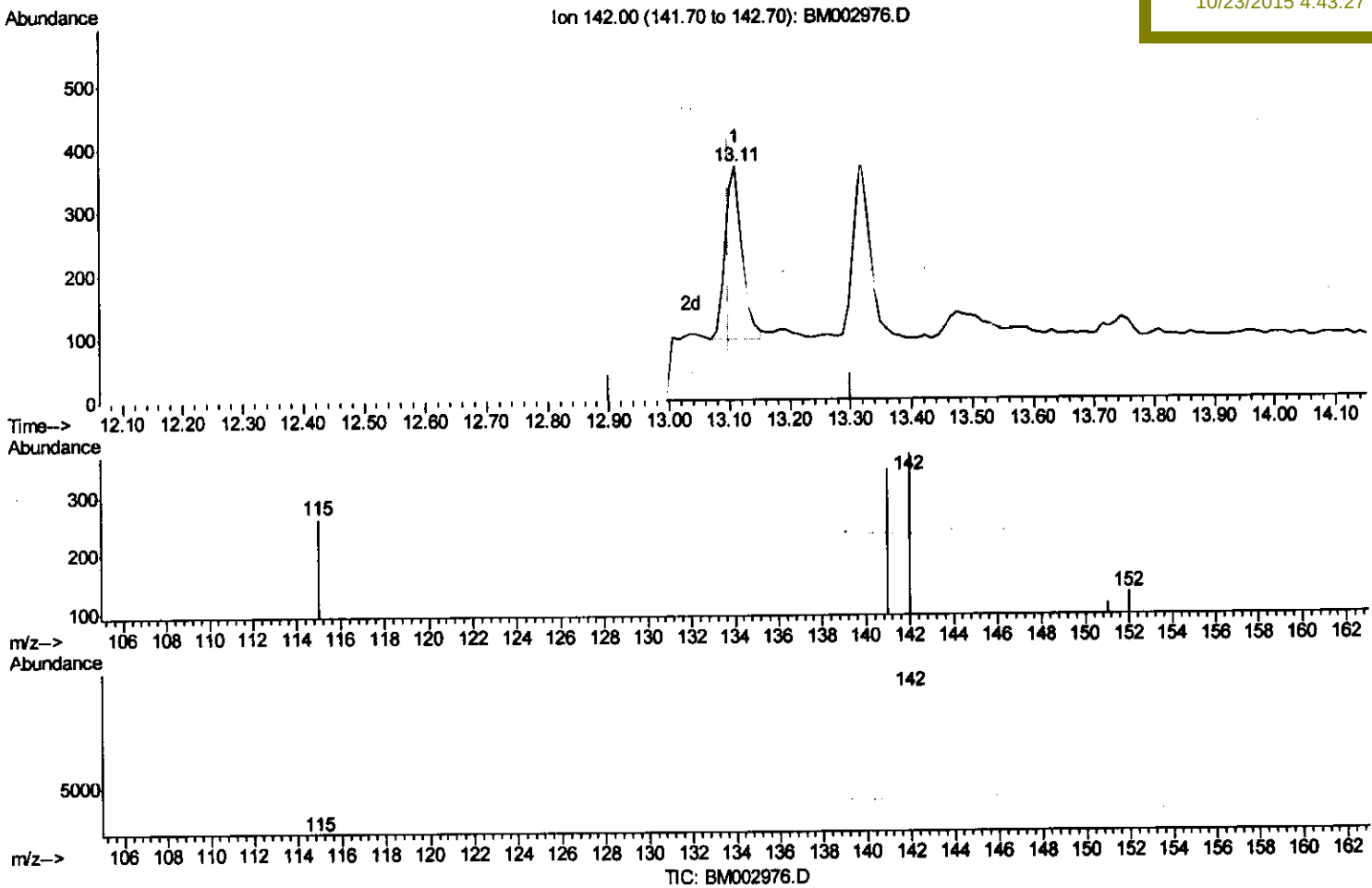
Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



(7) 2-Methylnaphthalene

13.110min (+0.010) 0.01ng/ul m U.M 10/27/15

response 534

Ion	Exp%	Act%
142.00	100	100
141.00	87.90	175.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
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Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:03:42 2015
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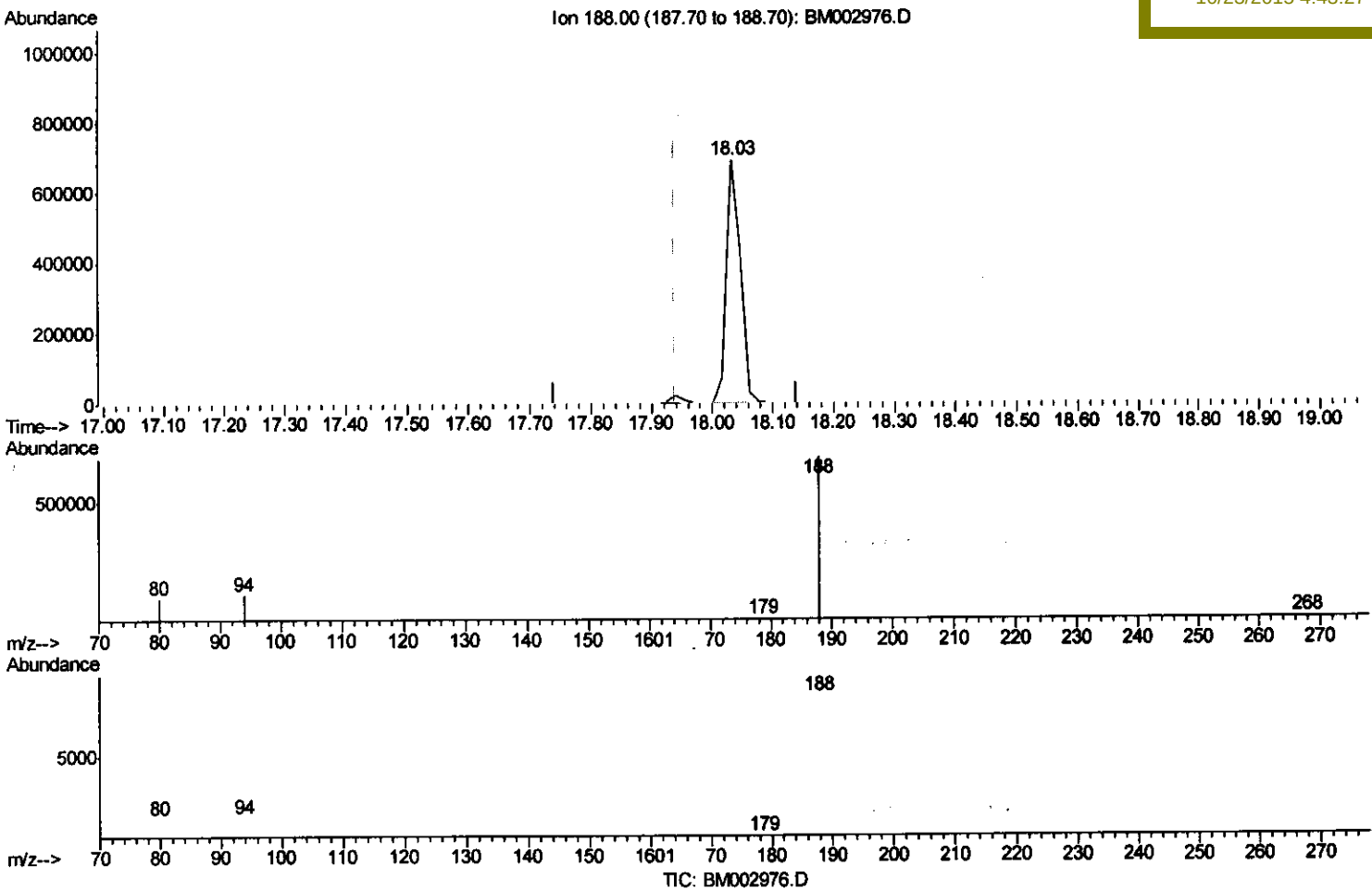
BNA_M
ClientSampleId :
JG9K3

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



(12) Phenanthrene-d10 (I)

18.031min (+0.093) 0.40ng/ul

response 1133510

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.61#
80.00	8.90	13.04#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
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Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:03:42 2015
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BNA_M
ClientSampleId :
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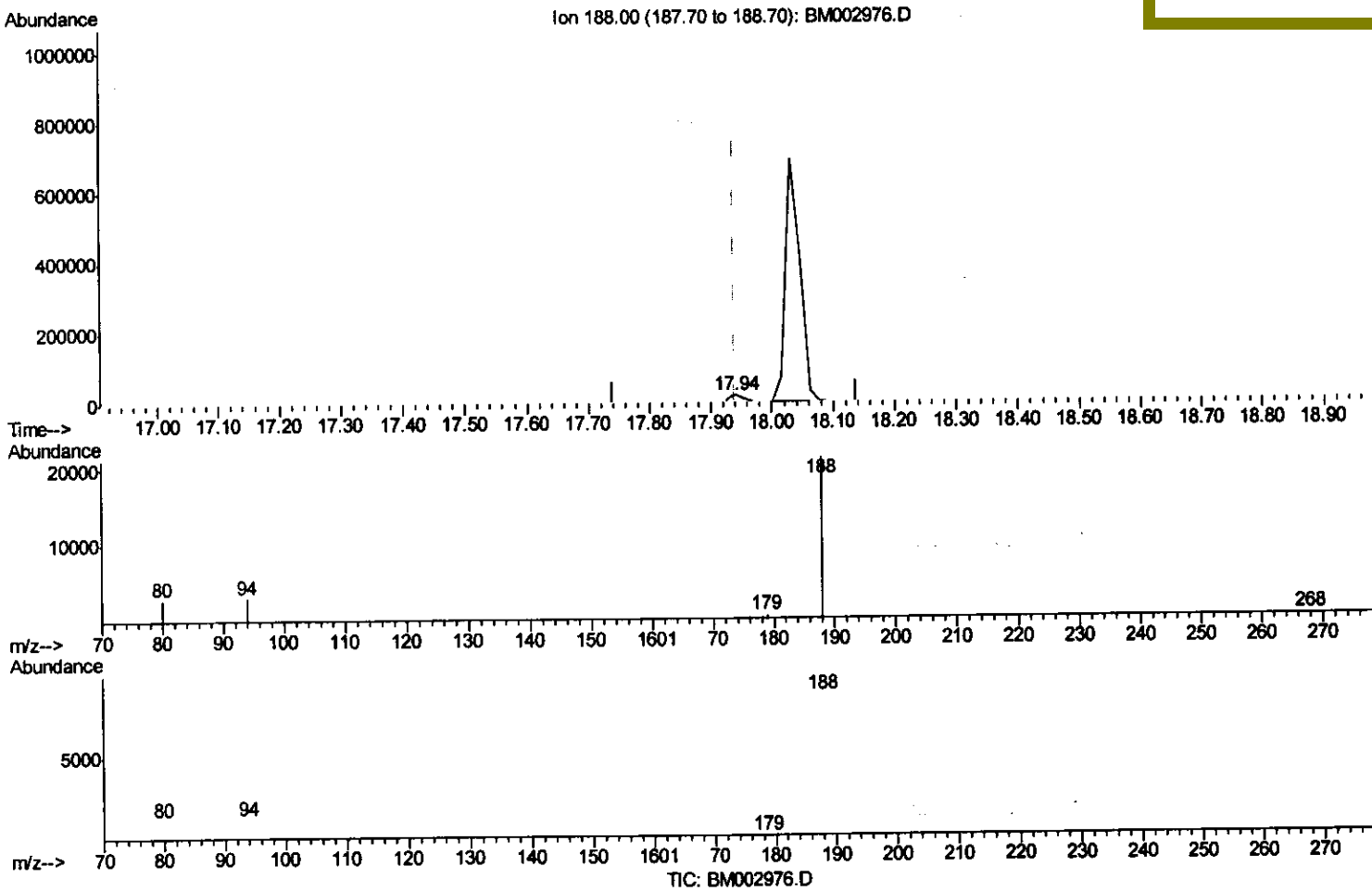
Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



TIC: BM002976.D

(12) Phenanthrene-d10 (I)

17.938min (-0.000) 0.40ng/ul m U.M 10/27/15

response 32414

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	14.44#
80.00	8.90	13.53#
0.00	0.00	0.00

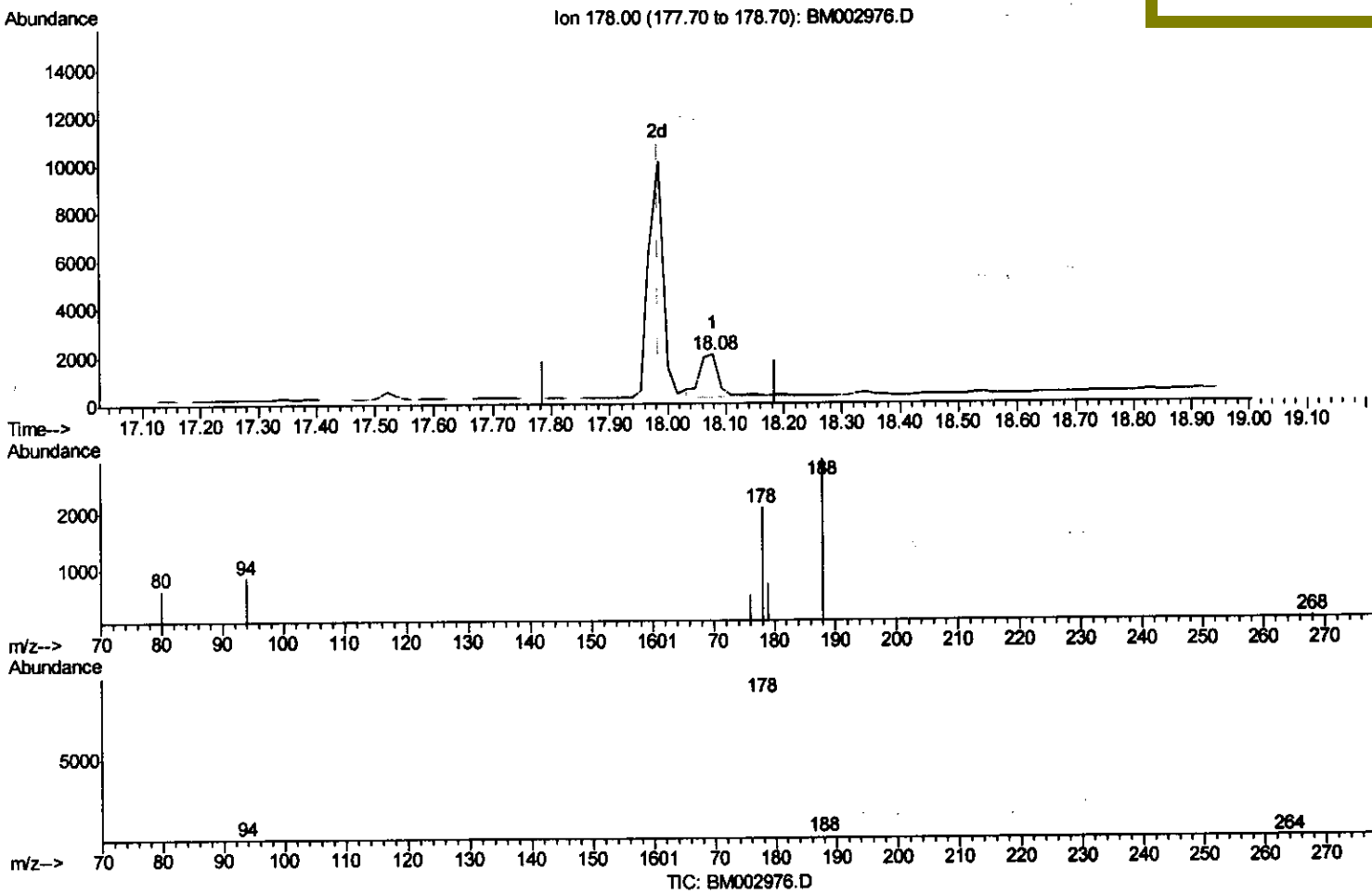
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:30:31 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 : Fri Oct 23 01:01:42 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K3

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



(14) Phenanthrene

18.078min (+0.093) 0.04ng/ul

response 4037

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	26.46#
179.00	16.00	35.20#
0.00	0.00	0.00

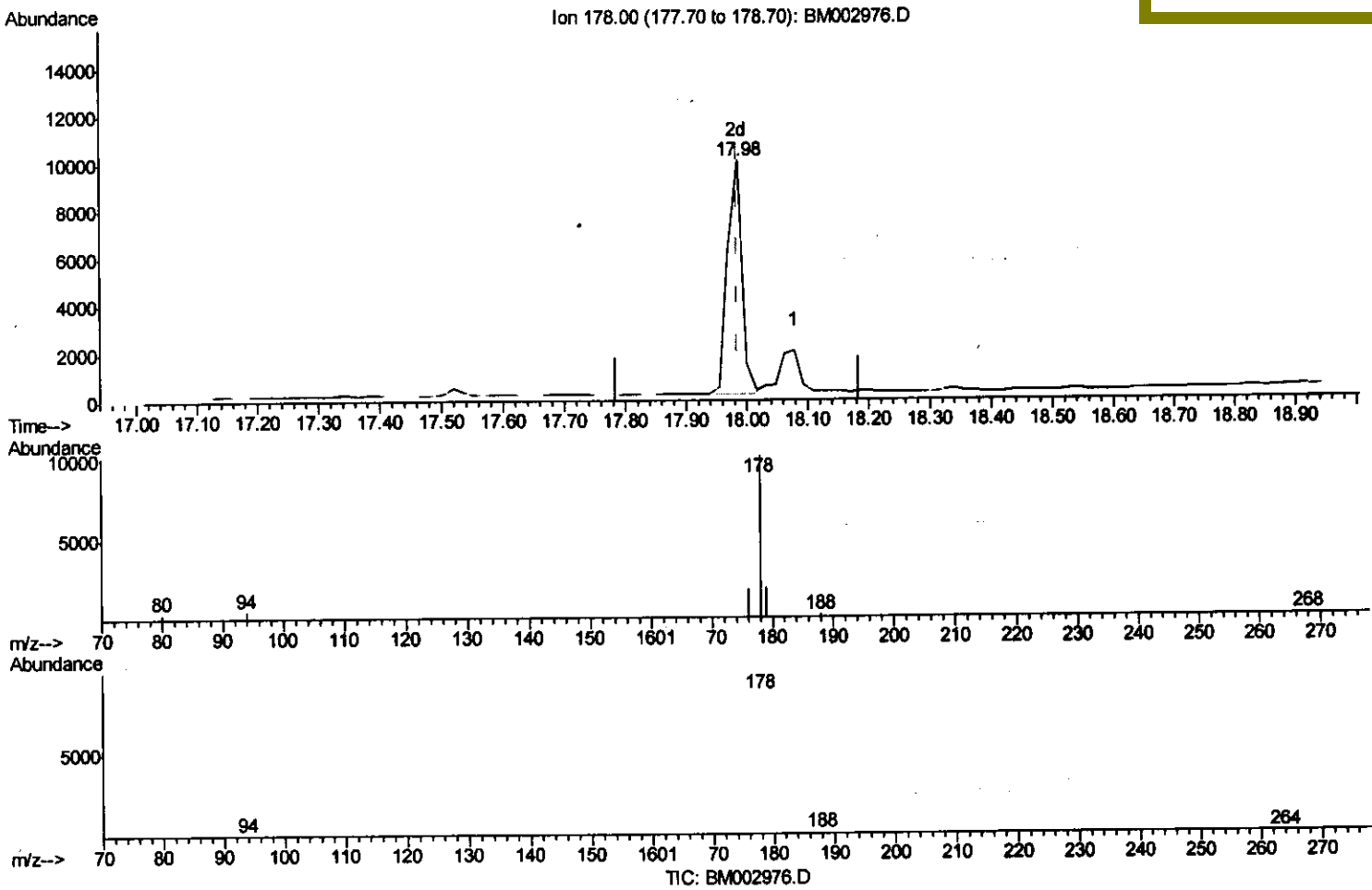
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:30:31 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 : Fri Oct 23 01:01:42 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K3

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



(14) Phenanthrene

17.985min (-0.000) 0.16ng/ul m U.M 10/27/15

response 16370

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	18.83
179.00	16.00	19.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:30:31 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
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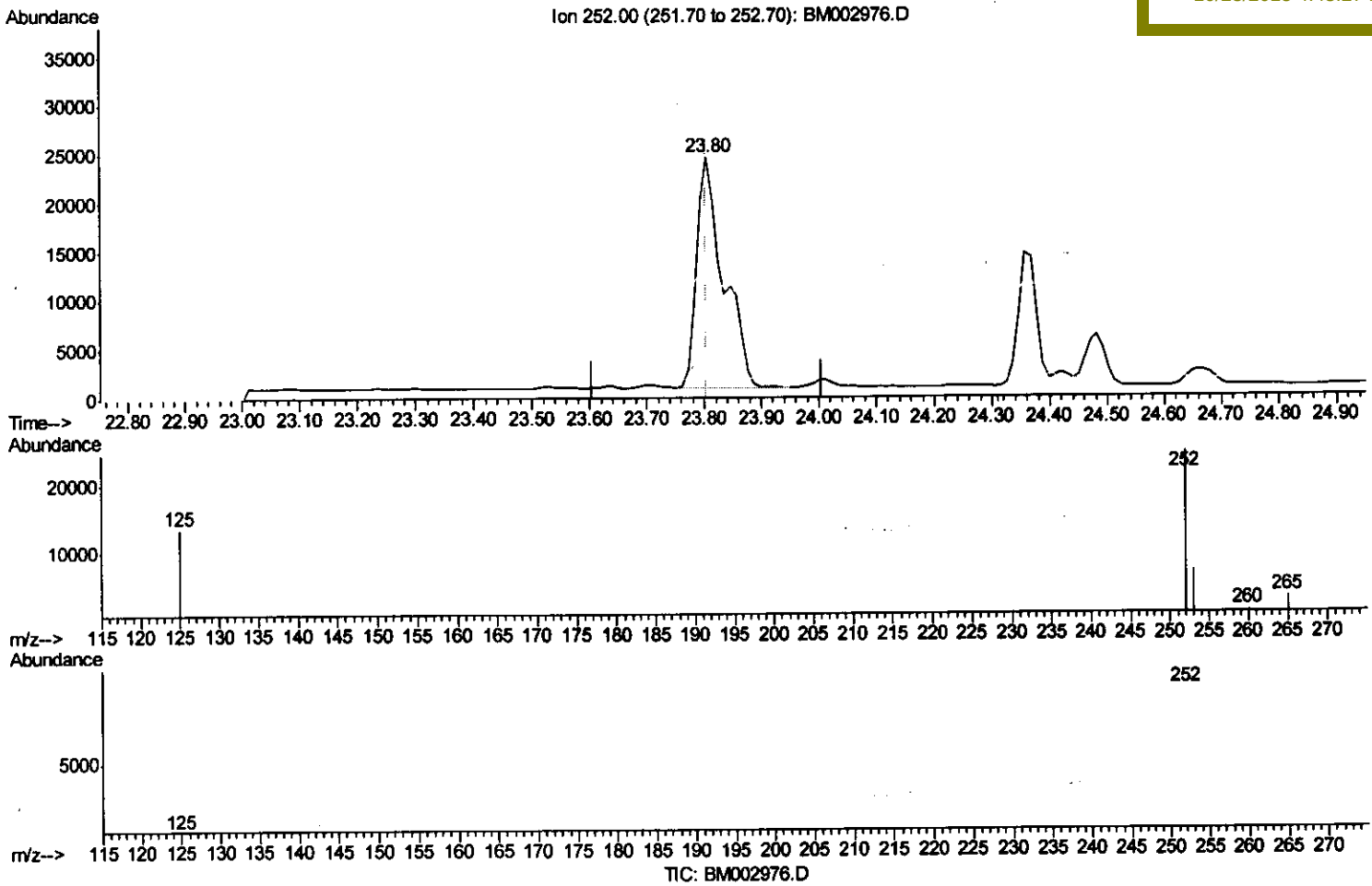
Instrument :
BNA_M
ClientSampleId :
JG9K3

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



TIC: BM002976.D

(23) Benzo(b)fluoranthene

23.804min (-0.000) 0.89ng/ul

response 75855

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	27.90
125.00	18.30	55.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:30:31 2015
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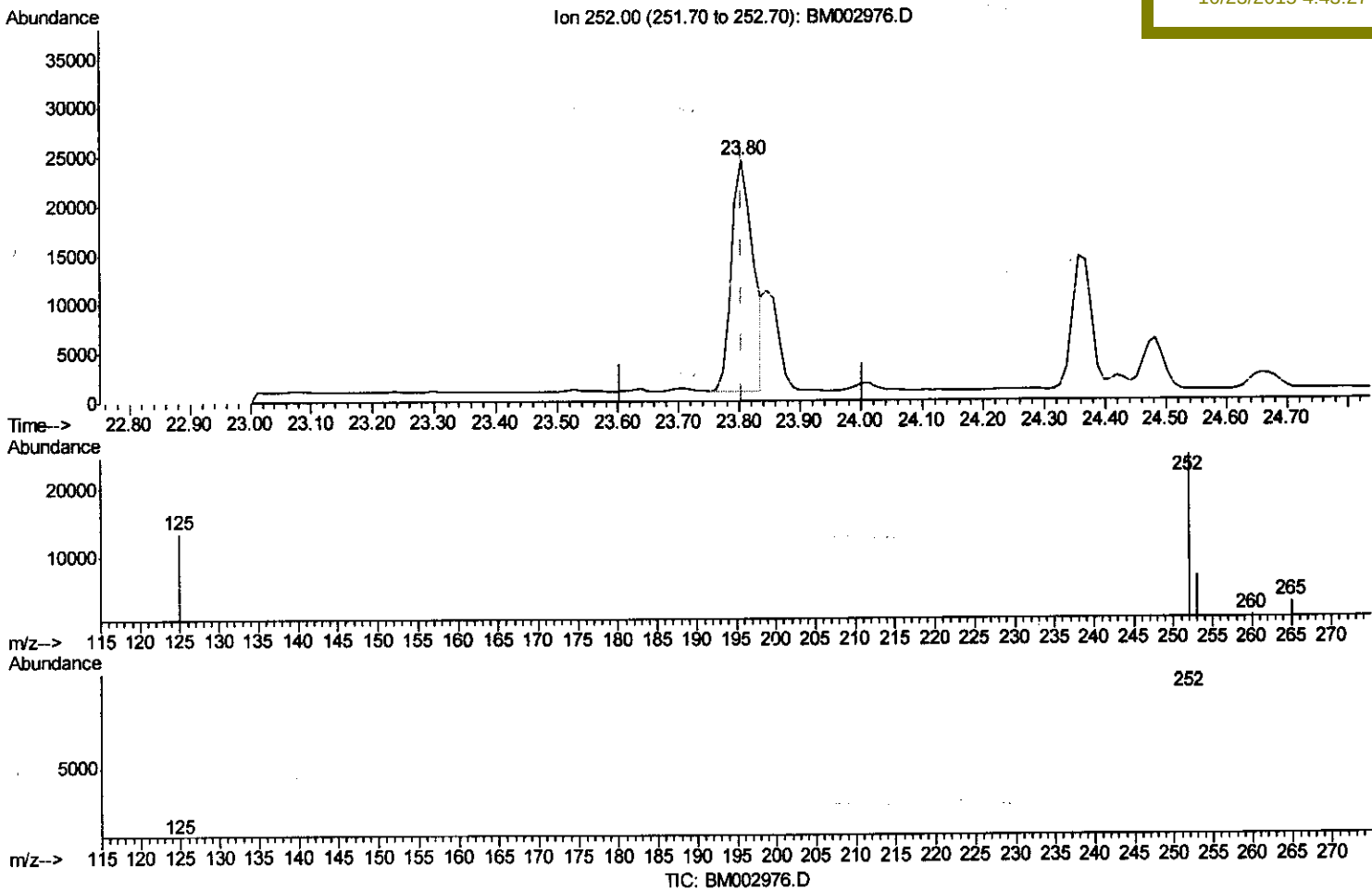
BNA_M
ClientSampleId :
JG9K3

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM



(23) Benzo(b)fluoranthene

23.804min (-0.000) 0.69ng/ul m U.M 10/27/15

response 59155

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	27.90
125.00	18.30	55.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002976.D
Acq On : 22 Oct 2015 13:56
Operator : UM/IZ
Sample : G4074-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:27 PM

Quant Time: Oct 23 03:06:10 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5647	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	24773	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	13914	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	32414m	0.40	ng/ul	0.00
18) Chrysene-d12	22.03	240	28370	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	24114	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	12038	2.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	6135	0.15	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	14646	0.17	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	11.54	128	833	0.01	ng/ul#	58
7) 2-Methylnaphthalene	13.11	142	534m	0.01	ng/ul	
9) Acenaphthylene	14.96	152	2213	0.03	ng/ul#	80
14) Phenanthrene	17.98	178	16370m	0.16	ng/ul	
17) Fluoranthene	19.95	202	77318	0.64	ng/ul	93
19) Pyrene	20.30	202	67291	0.65	ng/ul	97
20) Benzo(a)anthracene	22.01	228	18618	0.20	ng/ul#	83
21) Chrysene	22.07	228	55641	0.58	ng/ul#	90
23) Benzo(b)fluoranthene	23.80	252	59155m	0.69	ng/ul	
26) Indeno(1,2,3-cd)pyrene	27.31	276	17085	0.19	ng/ul#	91
28) Benzo(g,h,i)perylene	28.15	276	18504	0.25	ng/ul#	55

U.M 10/27/15

U.M 10/27/15

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