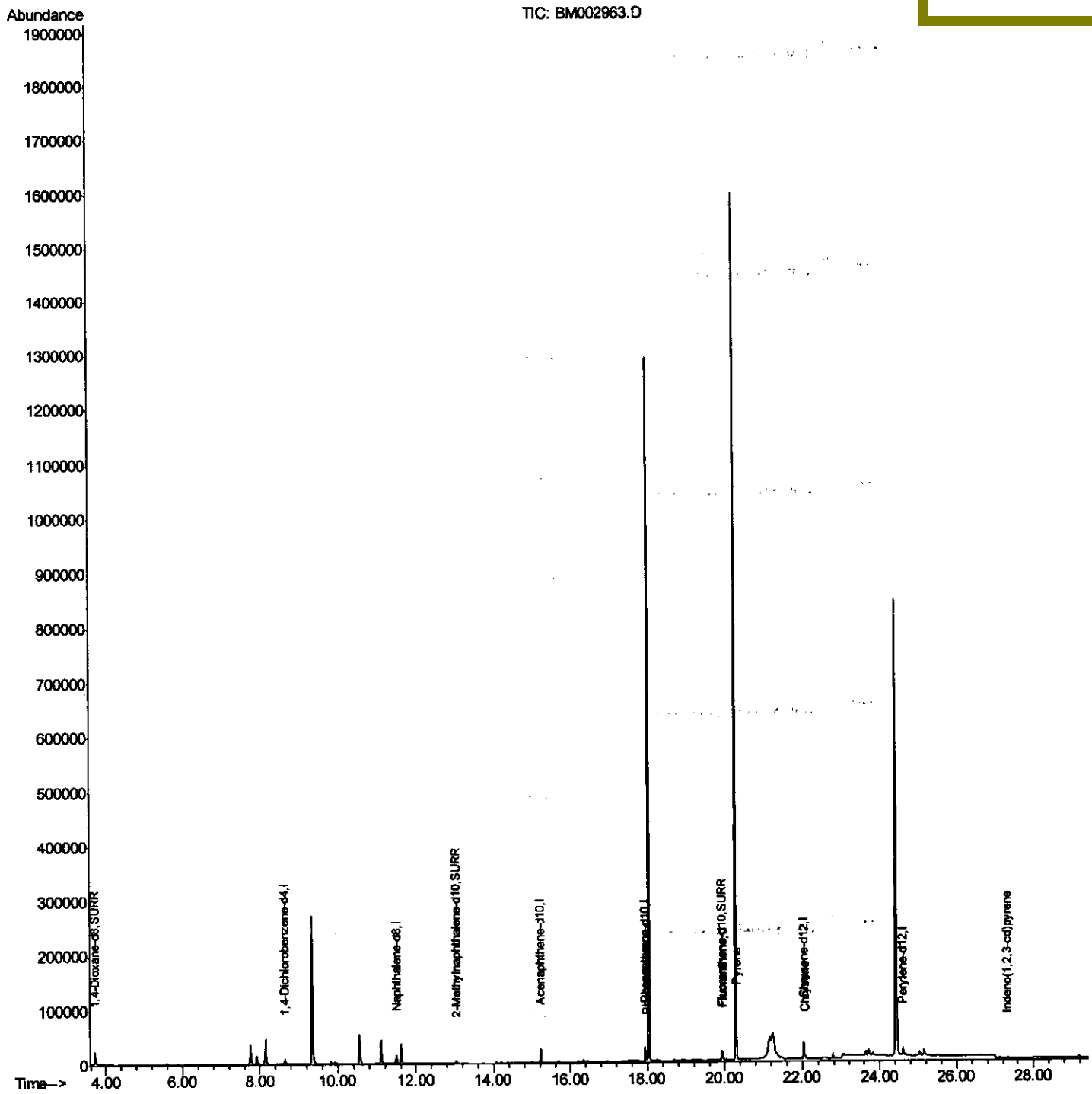
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002963.D
Acq On : 22 Oct 2015 00:37
Operator : UM/IZ
Sample : G4075-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 13:22:33 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 :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



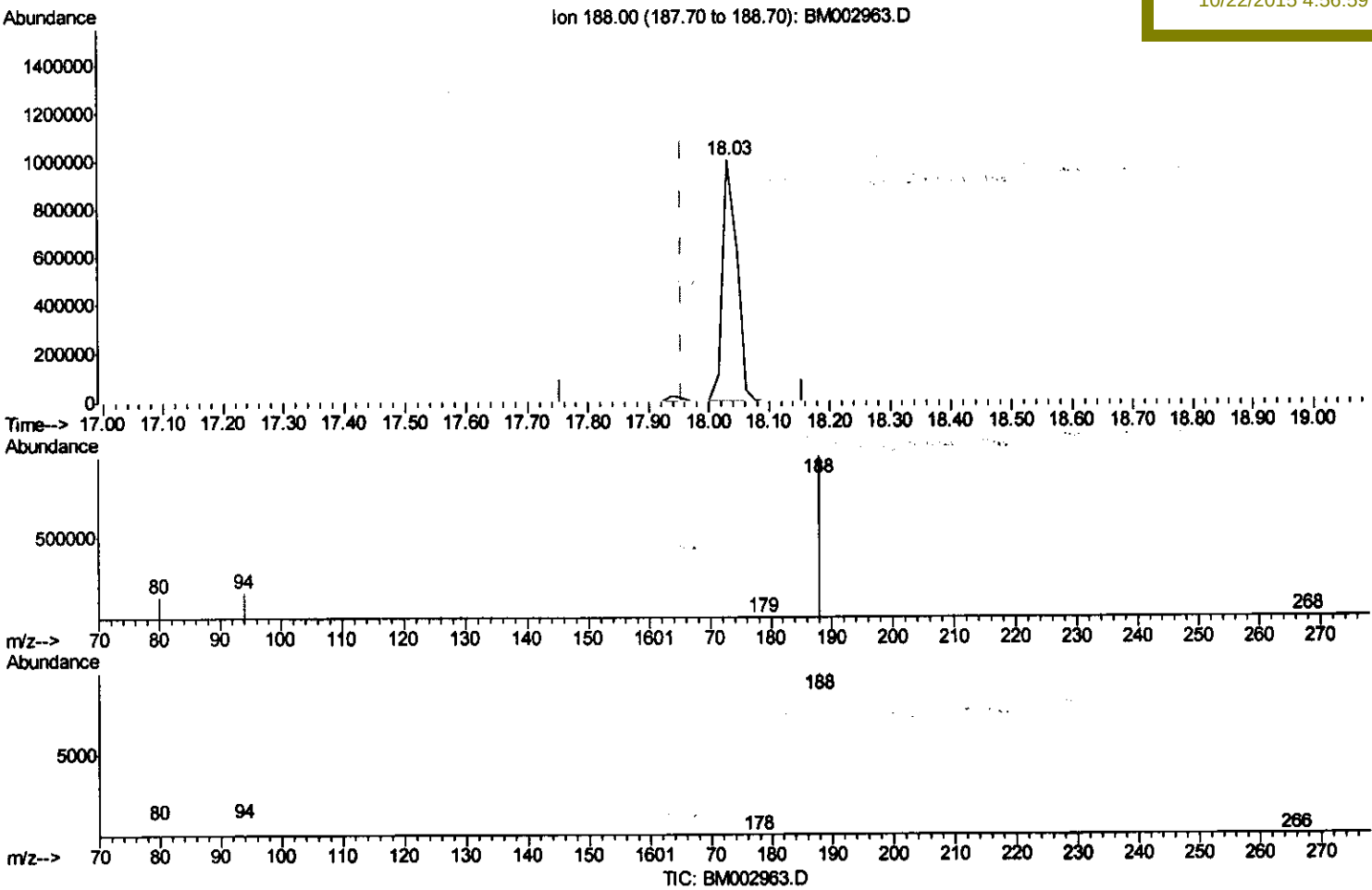
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002963.D
Acq On : 22 Oct 2015 00:37
Operator : UM/IZ
Sample : G4075-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 12:05:10 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



(12) Phenanthrene-d10 (I)

18.031min (+0.077) 0.40ng/ul

response 1652915

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.94#
80.00	8.90	13.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

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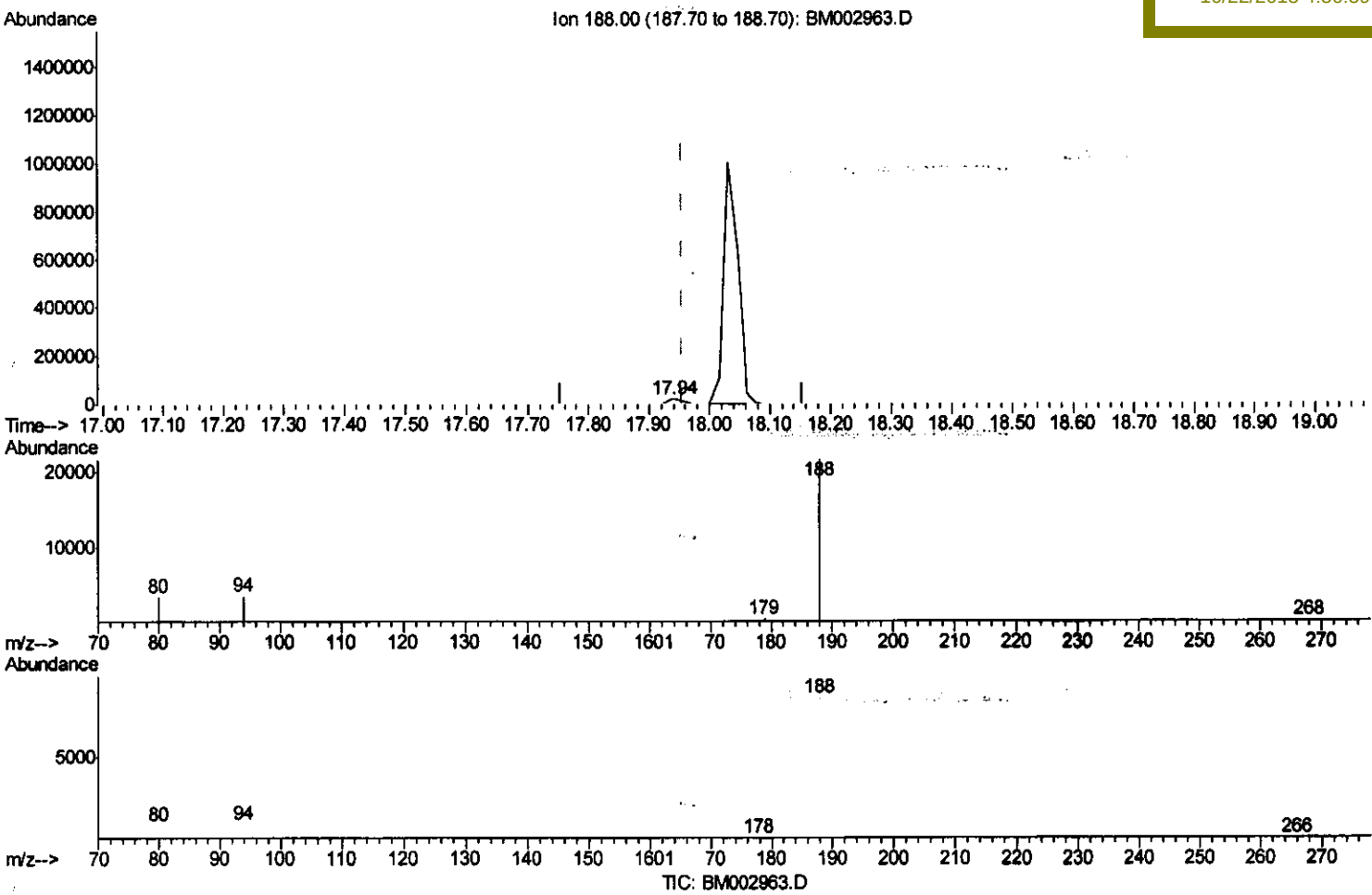
Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



(12) Phenanthrene-d10 (I)

17.938min (-0.016) 0.40ng/ul m

response 36146

U.M. 10/23/15

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	16.36#
80.00	8.90	15.62#
0.00	0.00	0.00

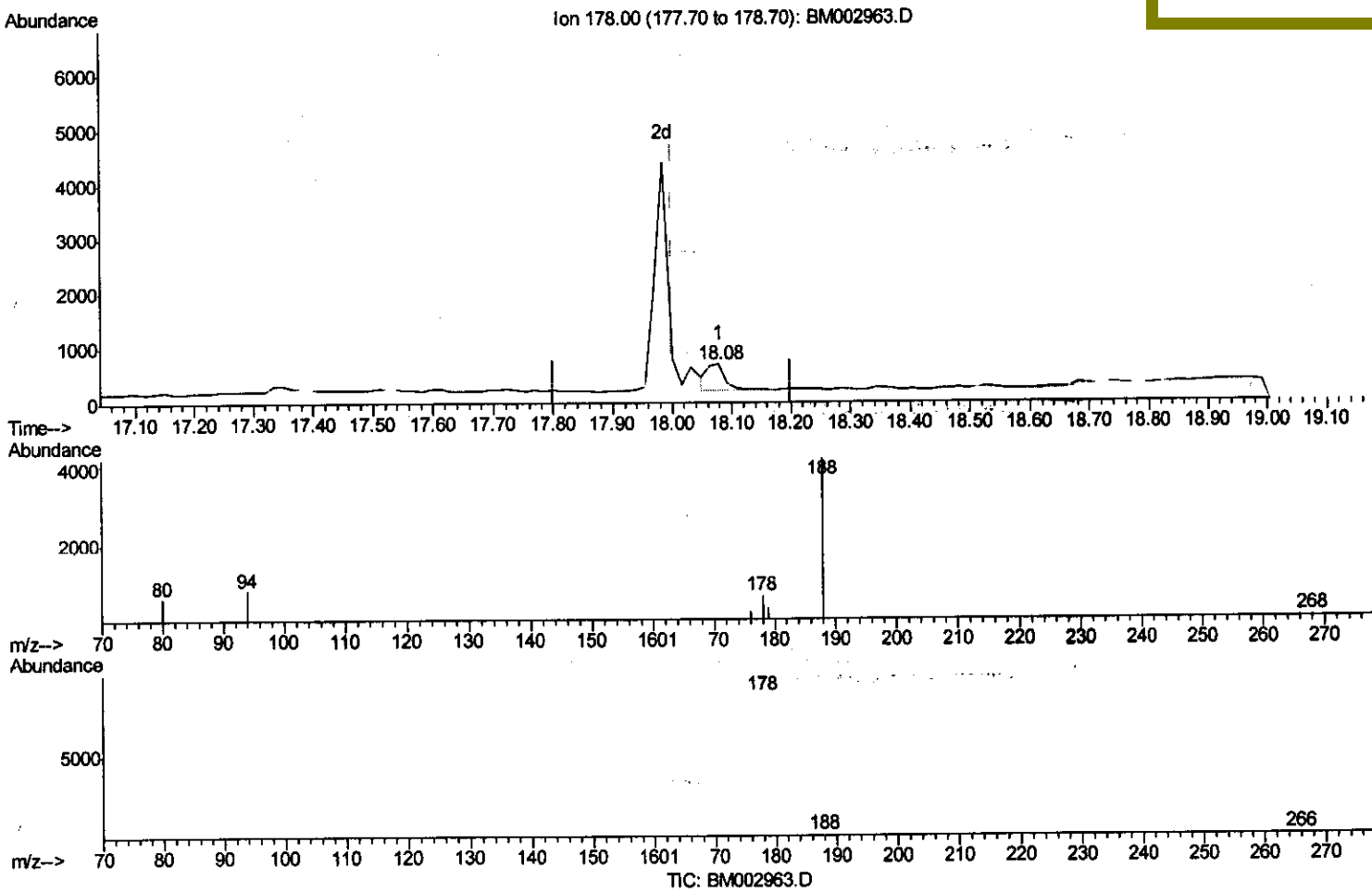
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002963.D
Acq On : 22 Oct 2015 00:37
Operator : UM/IZ
Sample : G4075-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 13:18:34 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 :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



TIC: BM002963.D

(14) Phenanthrene

18.078min (+0.077) 0.01ng/ul

response 1042

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	40.90#
179.00	16.00	55.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
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Operator : UM/IZ
Sample : G4075-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 13:18:34 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
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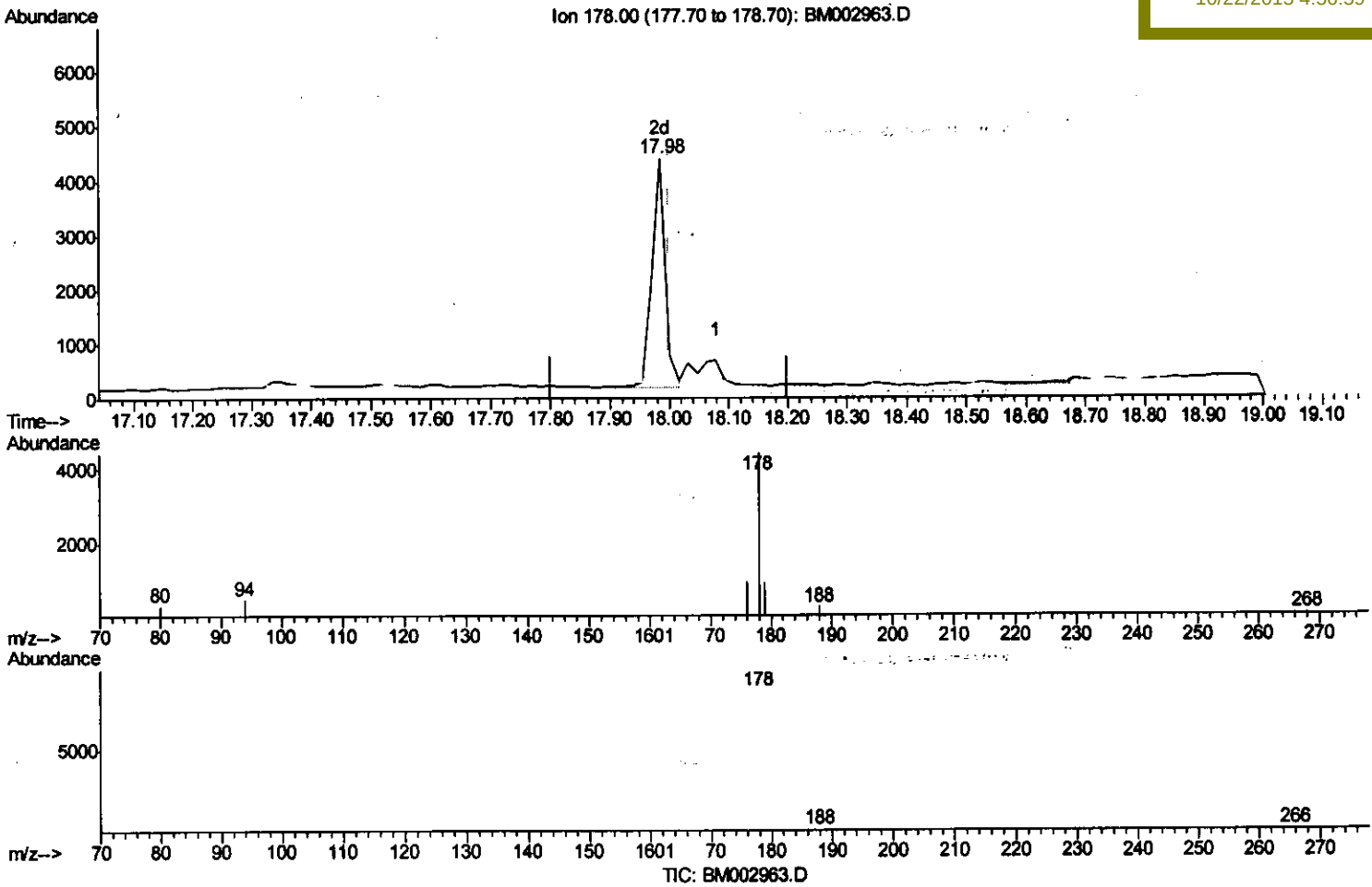
Instrument :
BNA_M
ClientSampleId :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



(14) Phenanthrene

17.985min (-0.016) 0.06ng/ul m

response 6341

U. M.
10/23/15

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	21.97
179.00	16.00	21.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

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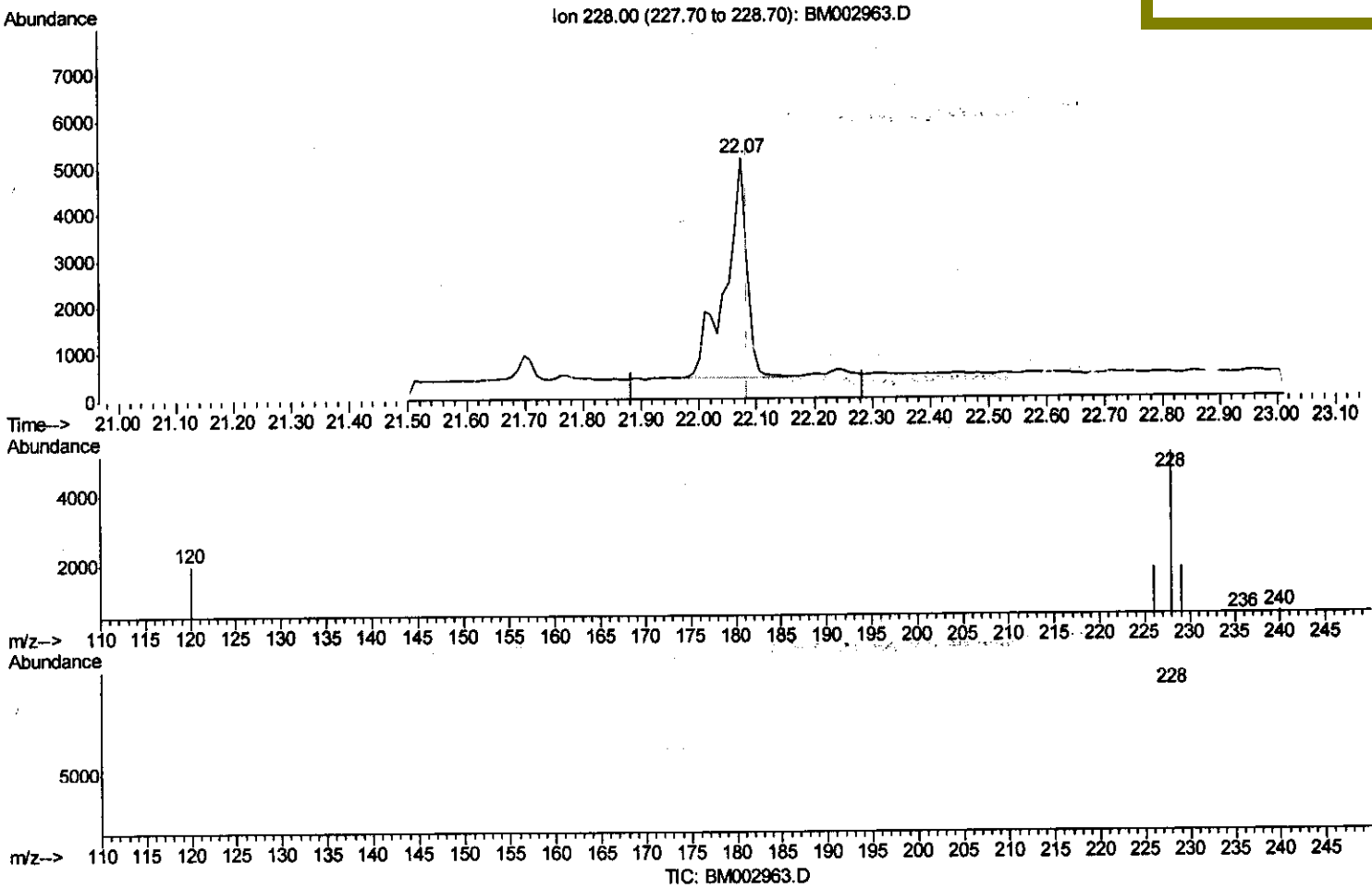
Data File : BM002963.D
Acq On : 22 Oct 2015 00:37
Operator : UM/IZ
Sample : G4075-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 13:21:08 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 :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



TIC: BM002963.D

(21) Chrysene

22.074min (-0.011) 0.11ng/ul

response 12056

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	36.13
229.00	19.00	35.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BM002963.D
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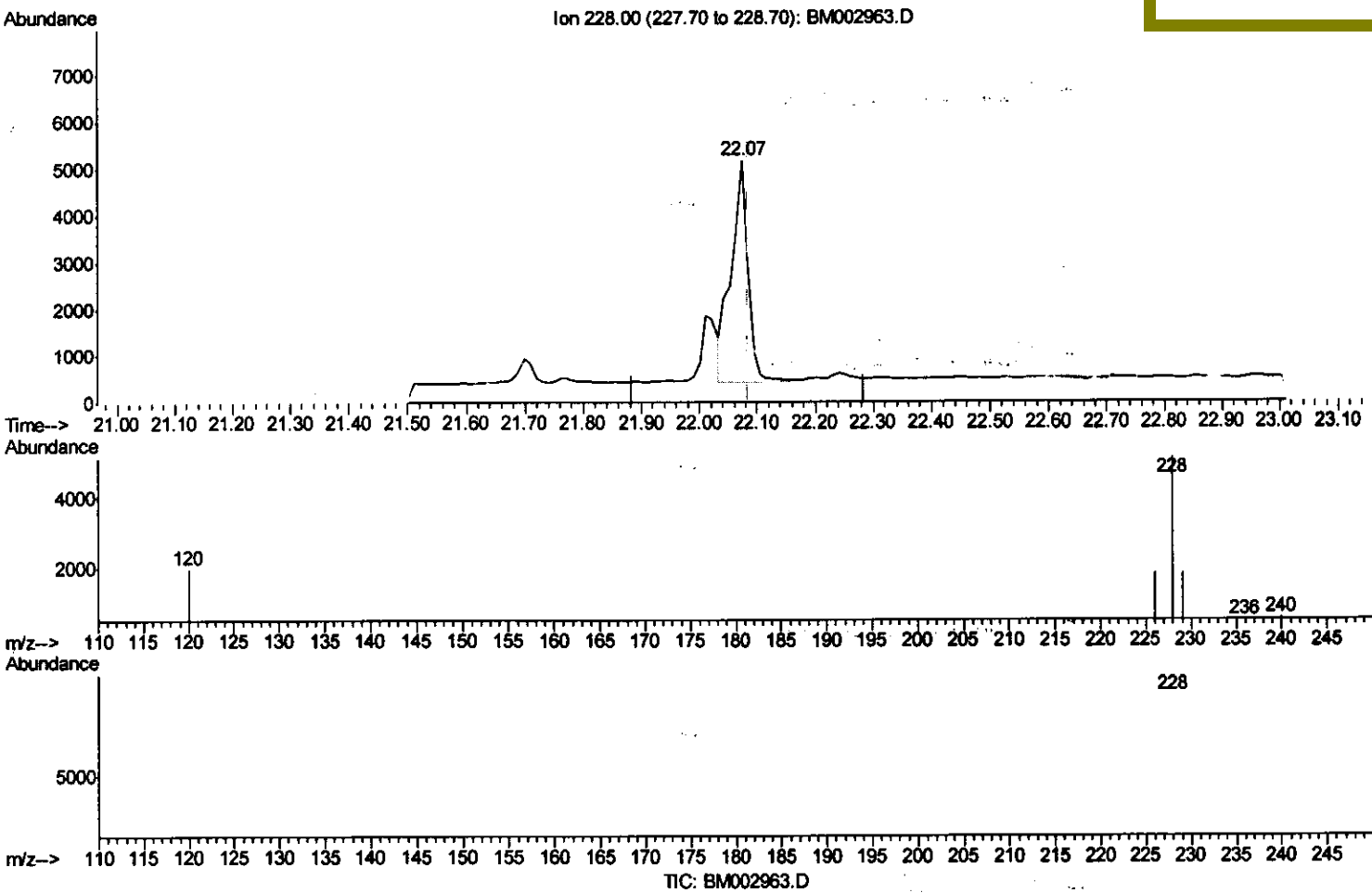
Operator : UM/IZ
Sample : G4075-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 22 13:21:08 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 :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM



TIC: BM002963.D

(21) Chrysene

22.074min (-0.011) 0.09ng/ul m

response 9725

U.M. 10/28/15

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	36.13
229.00	19.00	35.59#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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BNA_M
ClientSampleId :
JG9K8

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:56:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6311	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.49	136	28269	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	15887	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	36146m	0.40	ng/ul	-0.02
18) Chrysene-d12	22.03	240	33235	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	26381	0.40	ng/ul	-0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	19879	2.95	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	9922	0.21	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	21203	0.22	ng/ul	0.00
Target Compounds						Qvalue
14) Phenanthrene	17.98	178	6341m	0.06	ng/ul	
17) Fluoranthene	19.95	202	16498	0.12	ng/ul	89
19) Pyrene	20.30	202	16636	0.14	ng/ul#	90
21) Chrysene	22.07	228	9725m	0.09	ng/ul	
26) Indeno(1,2,3-cd)pyrene	27.33	276	3645	0.04	ng/ul#	55

U.M. 10/23/15

U.M. 10/23/15

U.M. 10/23/15

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