

{QT Reviewed}

```

Data Path   : Z:\HPCHEM1\BNA_M\Data\BM021215\
Data File   : BM000506.D
Acq On      : 12 Feb 2015   17:15
Operator    : TP/IZ
Sample      : G1249-21
Misc        :
ALS Vial    : 27      Sample Multiplier: 1

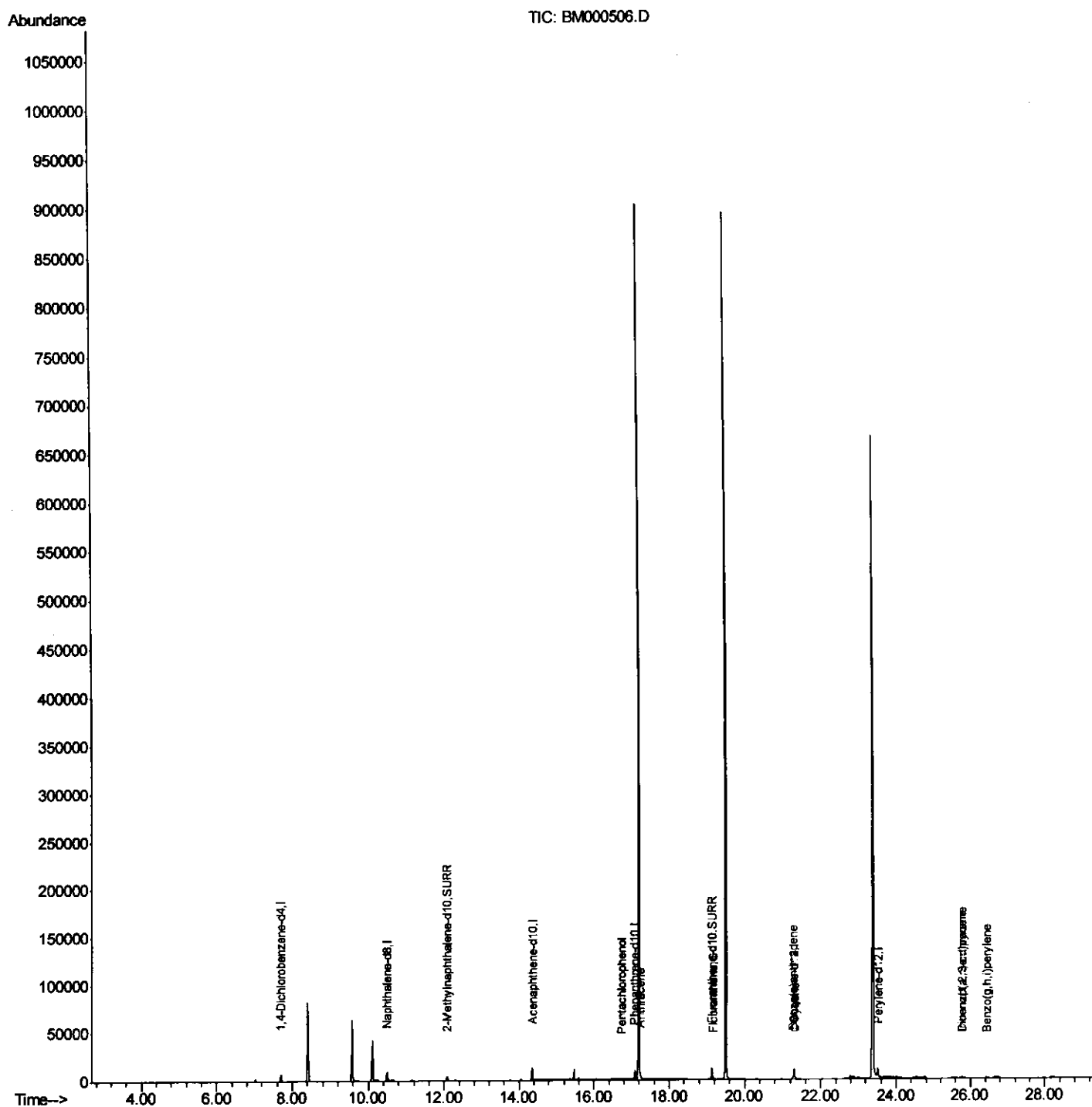
```

Instrument :
BNA_M
ClientSampleId :
A4FN4

Manual Integrations

mohammad
2/13/2015 5:41:13 PM

Quant Time: Feb 13 10:25:52 2015
Quant Method : Z:\HPCHEM\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 12 16:45:55 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

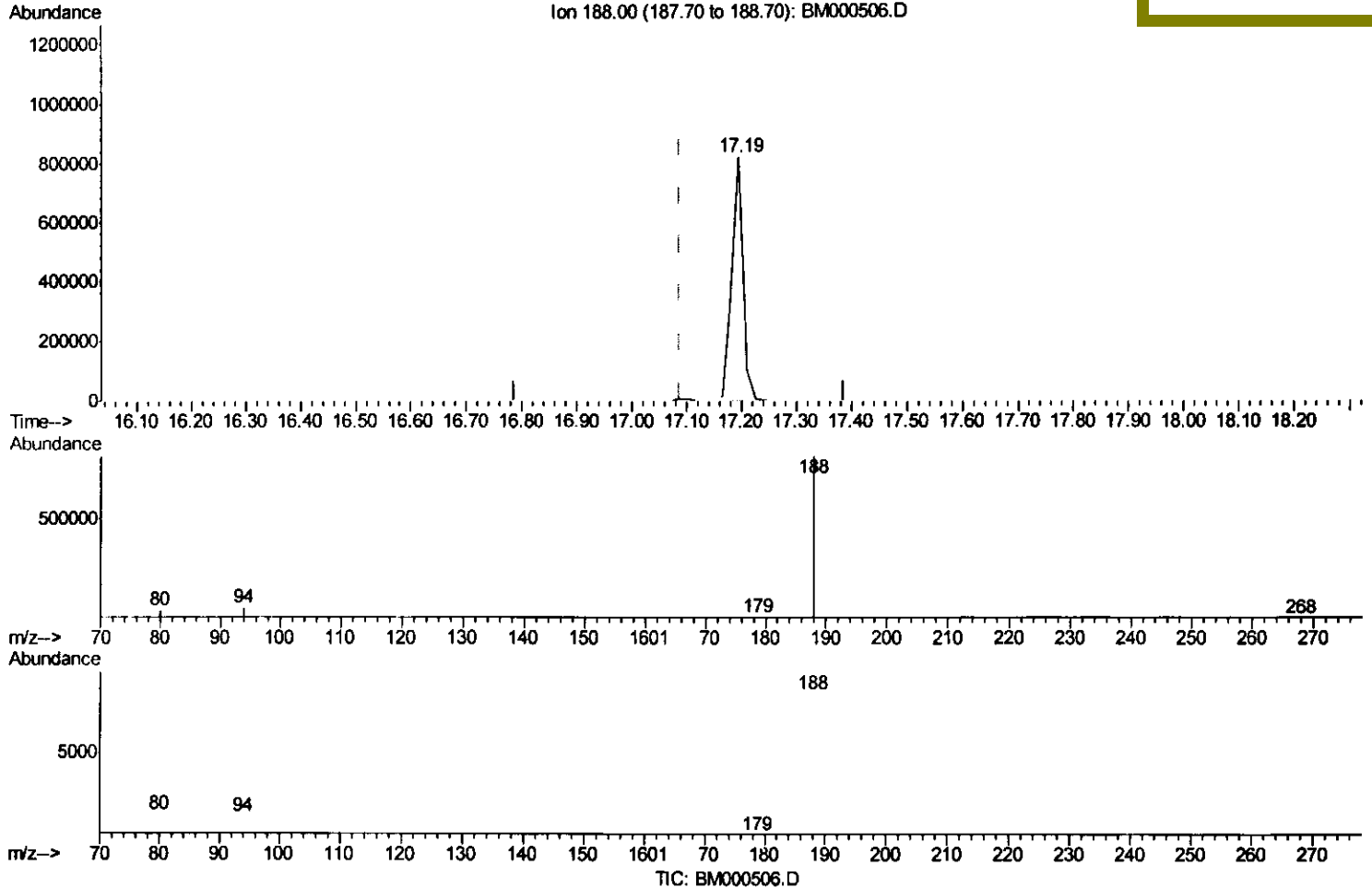
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Quant Time: Feb 13 10:22:38 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 12 16:45:55 2015
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Manual Integrations
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(10) Phenanthrene-d10 (I)

17.195min (+0.108) 0.40ng/ul

response 1158725

Ion	Exp%	Act%
188.00	100	100
94.00	11.90	5.73#
80.00	13.10	4.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

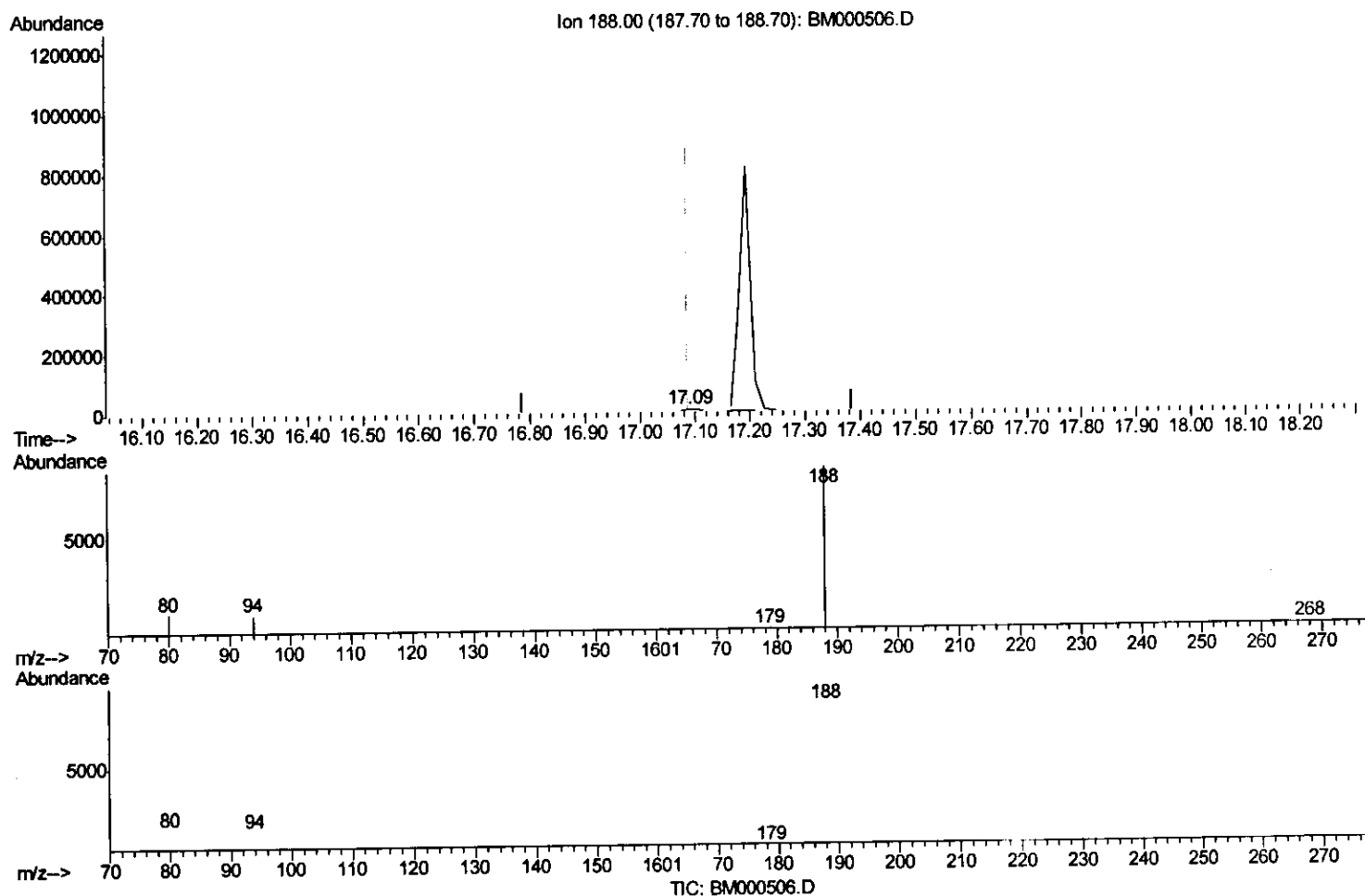
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Manual Integrations
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(10) Phenanthrene-d10 (I)

17.086min (-0.000) 0.40ng/ul m

response 15127

Ion	Exp%	Act%
188.00	100	100
94.00	11.90	11.81
80.00	13.10	12.56
0.00	0.00	0.00

T.P.
 2/17/15

Quantitation Report (Qedit)

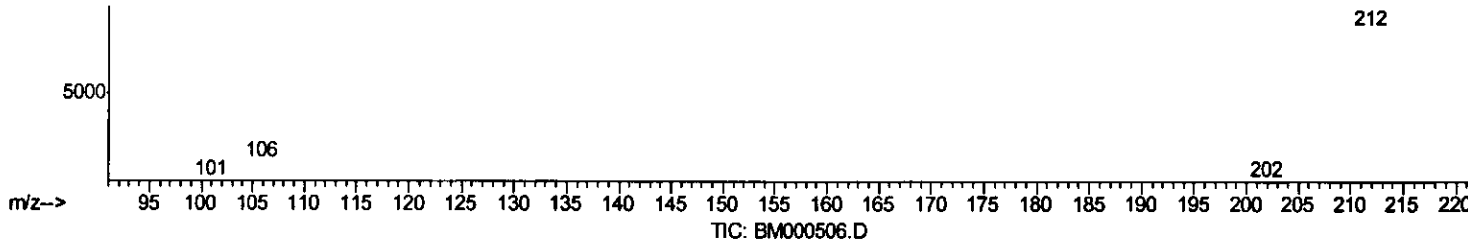
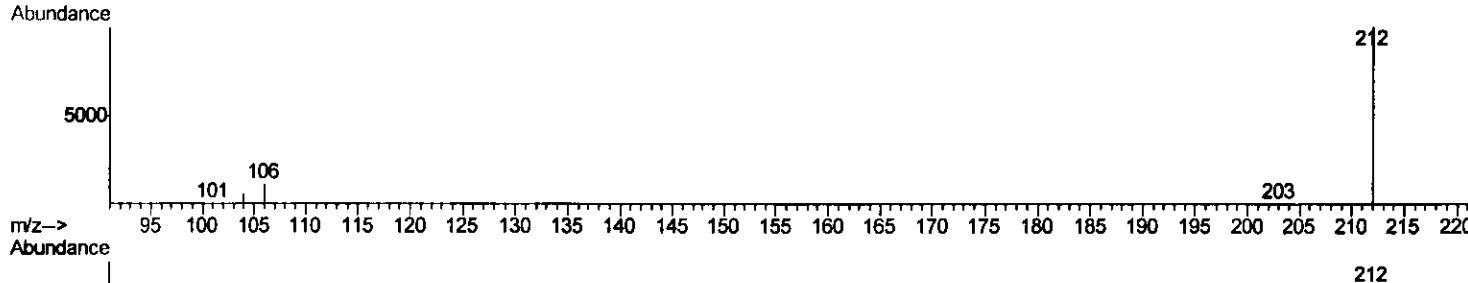
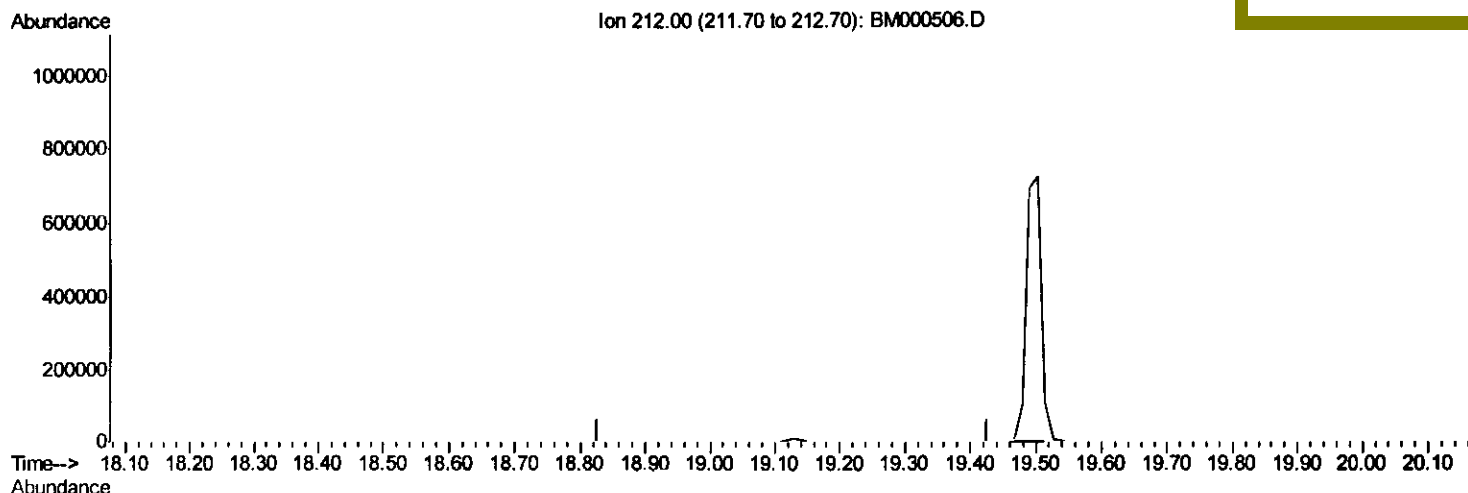
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
Data File : BM000506.D
Acq On : 12 Feb 2015 17:15
Operator : TP/IZ
Sample : G1249-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4FN4

Quant Time: Feb 13 10:23:16 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.127min (-19.127) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	11.30	0.00#
104.00	7.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

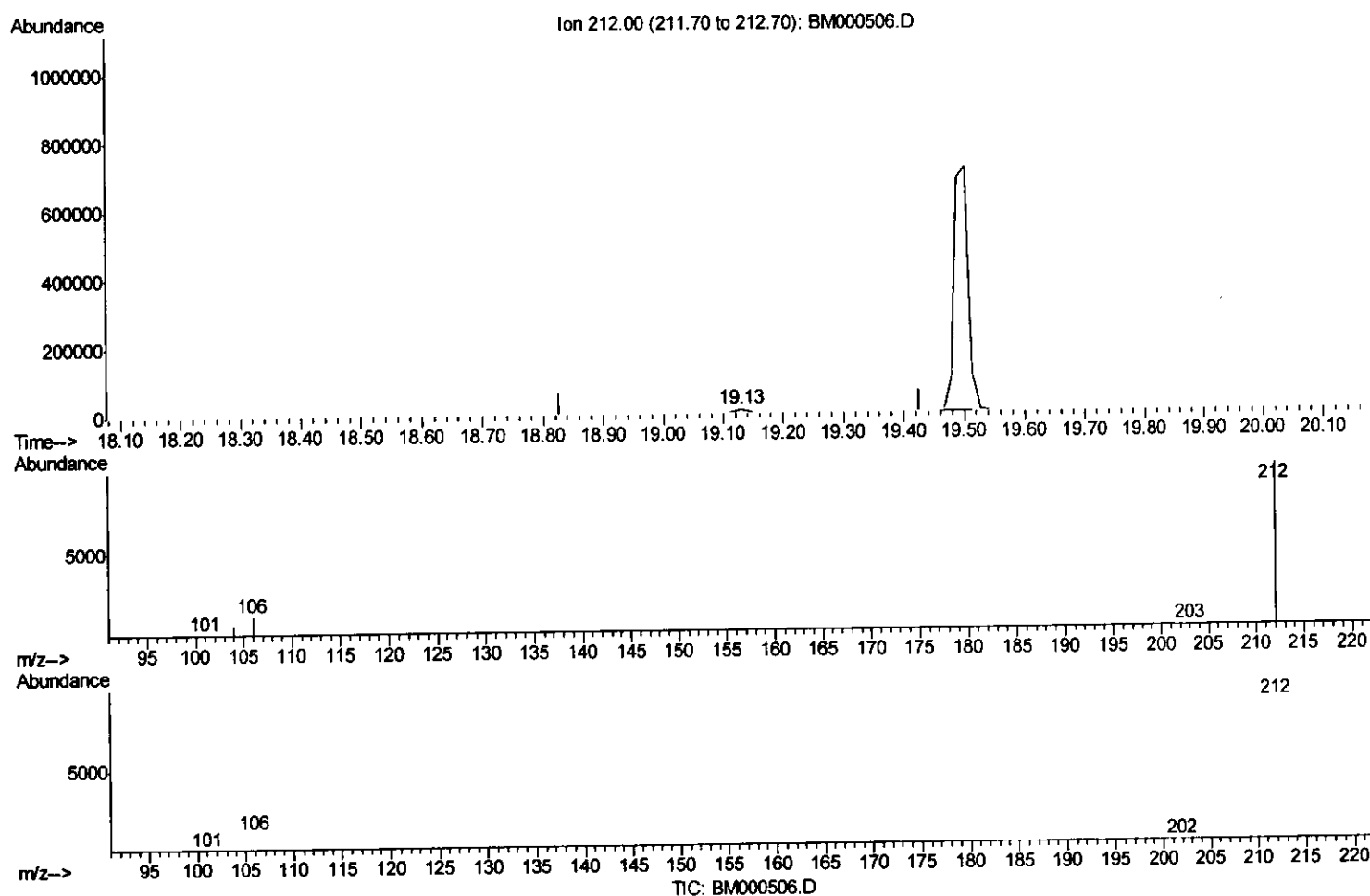
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Manual Integrations
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Quant Time: Feb 13 10:23:16 2015
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(14) Fluoranthene-d10 (SURR)

19.127min (-0.000) 0.44ng/ul m

response 14014

Ion	Exp%	Act%
212.00	100	100
106.00	11.30	0.00#
104.00	7.10	0.00#
0.00	0.00	0.00

T.P.
 2/17/15

Quantitation Report (Qedit)

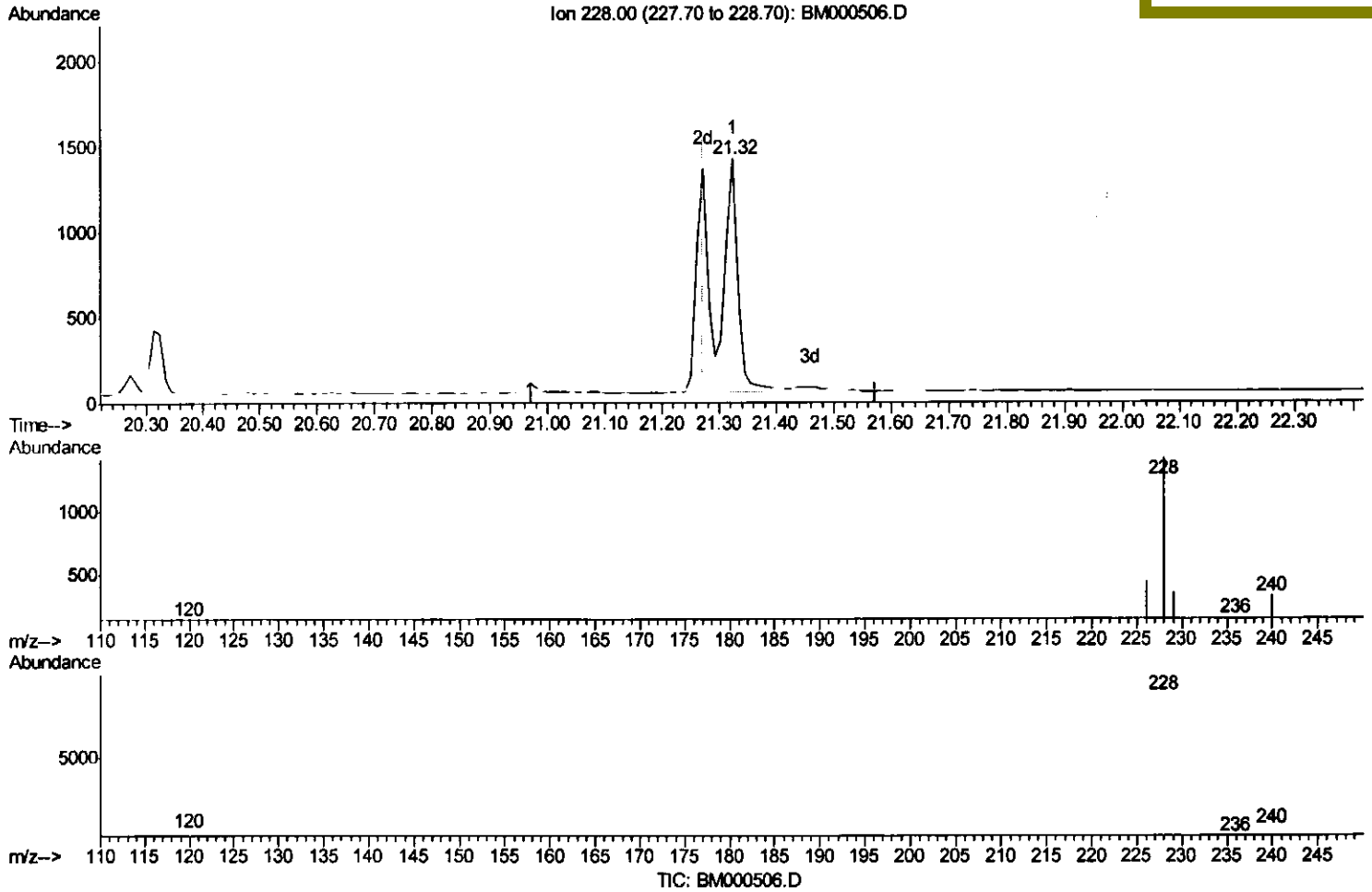
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Quant Time: Feb 13 10:23:16 2015
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Manual Integrations
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(18) Benzo(a)anthracene

21.323min (+0.052) 0.06ng/ul

response 2121

Ion	Exp%	Act%
228.00	100	100
226.00	25.80	30.55
229.00	20.40	24.11
0.00	0.00	0.00

Quantitation Report (Qedit)

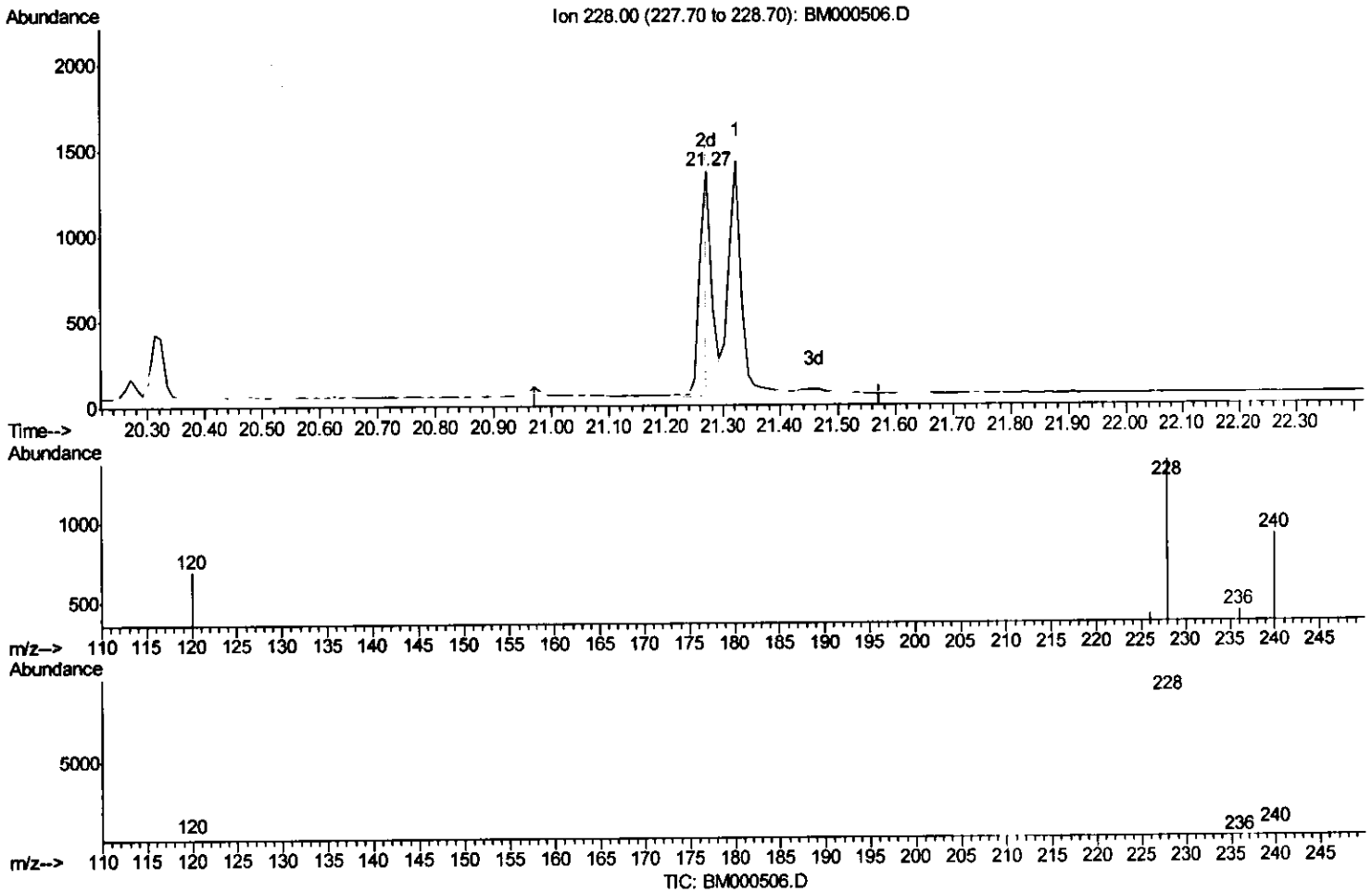
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Manual Integrations
 APPROVED

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Quant Time: Feb 13 10:23:16 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
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(18) Benzo(a)anthracene

21.271min (-0.000) 0.05ng/ul m T.P.

response 1887

Ion	Exp%	Act%
228.00	100	100
226.00	25.80	29.64
229.00	20.40	25.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

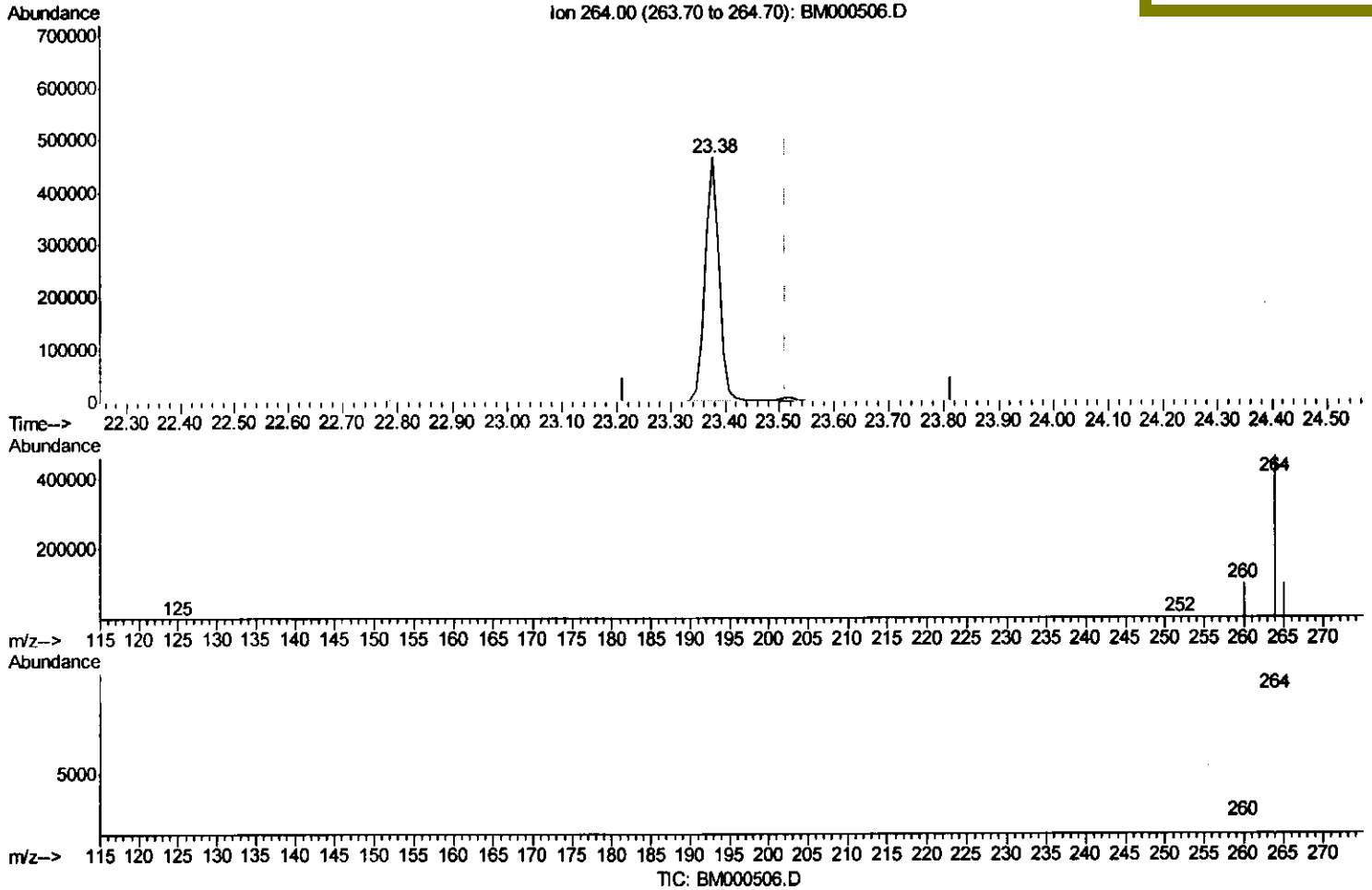
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4FN4

Quant Time: Feb 13 10:23:16 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
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Manual Integrations
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(20) Perylene-d12 (I)

23.377min (-0.136) 0.40ng/ul

response 852528

Ion	Exp%	Act%
264.00	100	100
260.00	27.00	21.27#
265.00	29.60	20.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

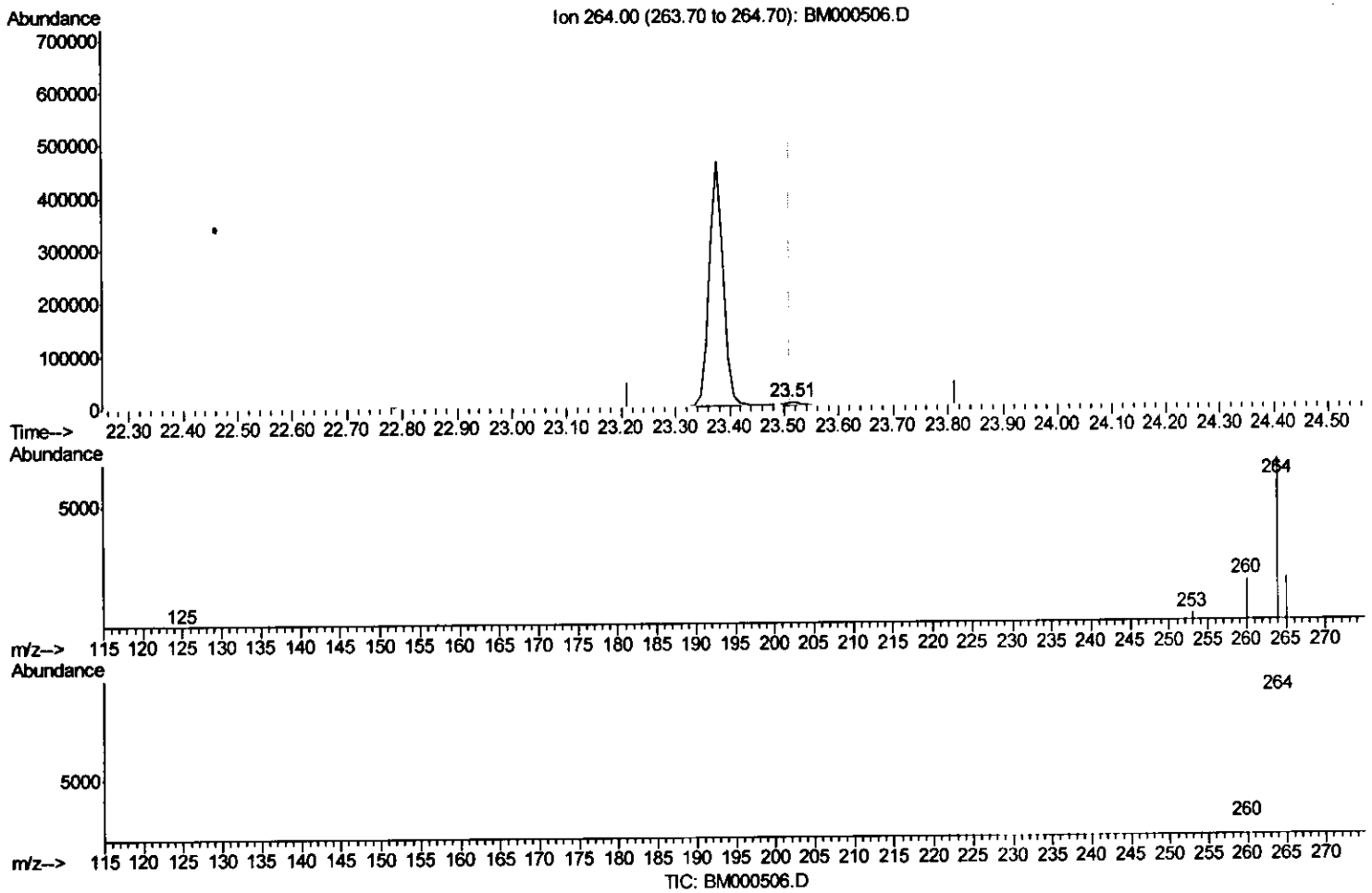
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Manual Integrations
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Quant Time: Feb 13 10:23:16 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
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(20) Perylene-d12 (I)

23.512min (-0.000) 0.40ng/ul m

response 10007

Ion	Exp%	Act%
264.00	100	100
260.00	27.00	26.40
265.00	29.60	27.34
0.00	0.00	0.00

T.P.
 2/17/15

Quantitation Report (Qedit)

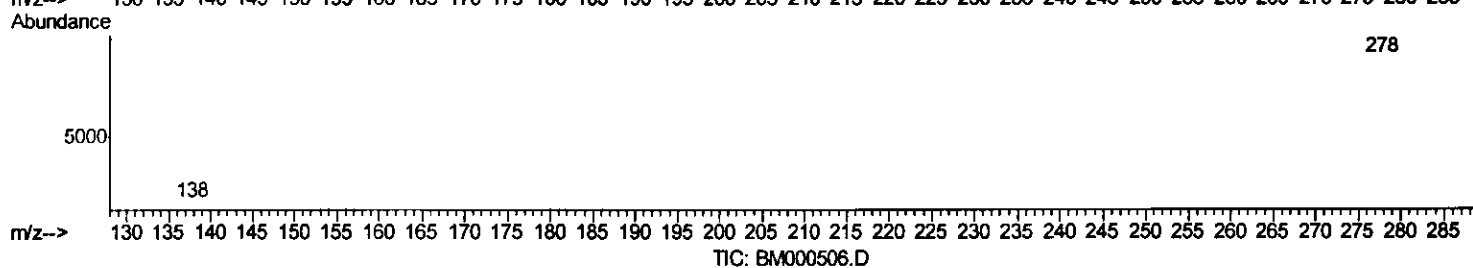
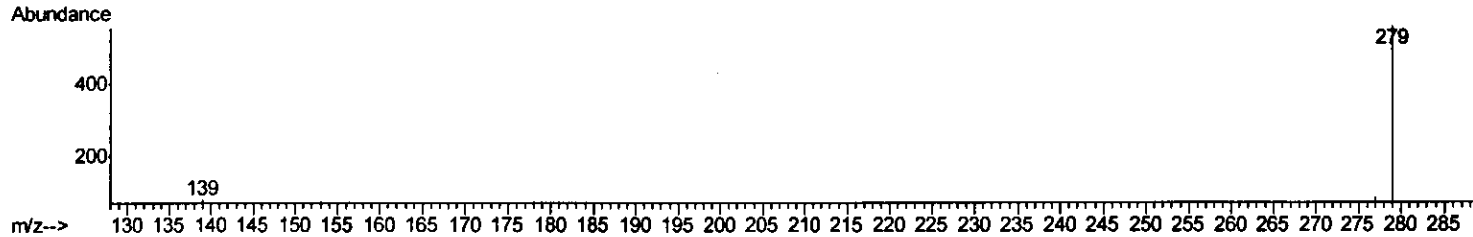
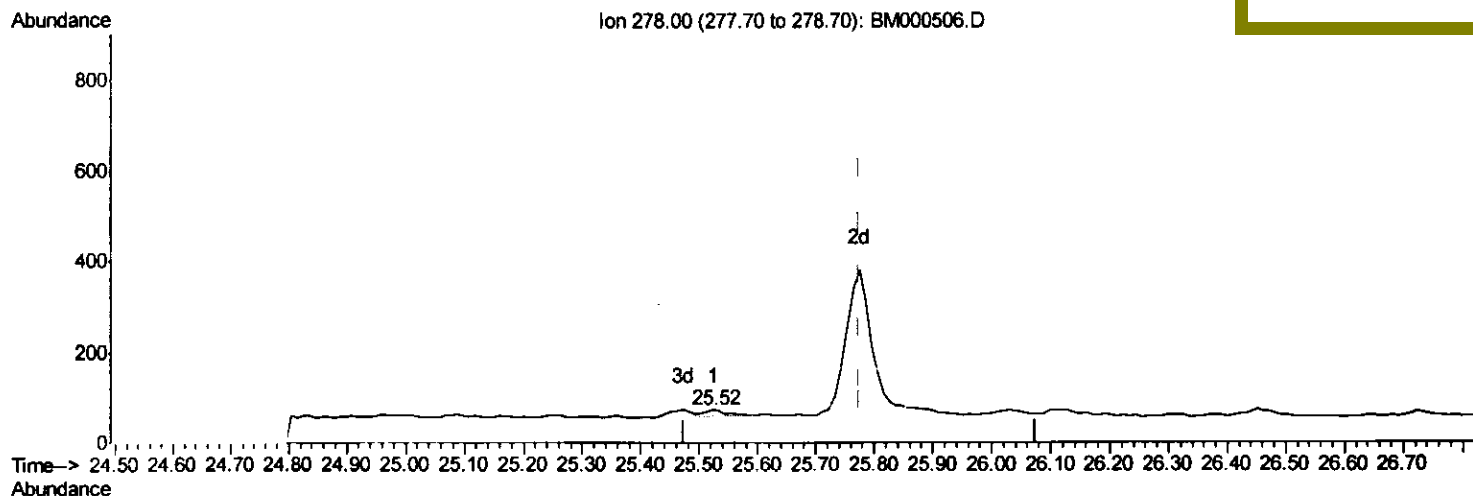
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Quant Time: Feb 13 10:24:43 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(25) Dibenzo(a,h)anthracene

25.524min (-0.250) 0.00ng/ul

response 43

Ion	Exp%	Act%
278.00	100	100
139.00	15.60	109.59#
279.00	27.70	764.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

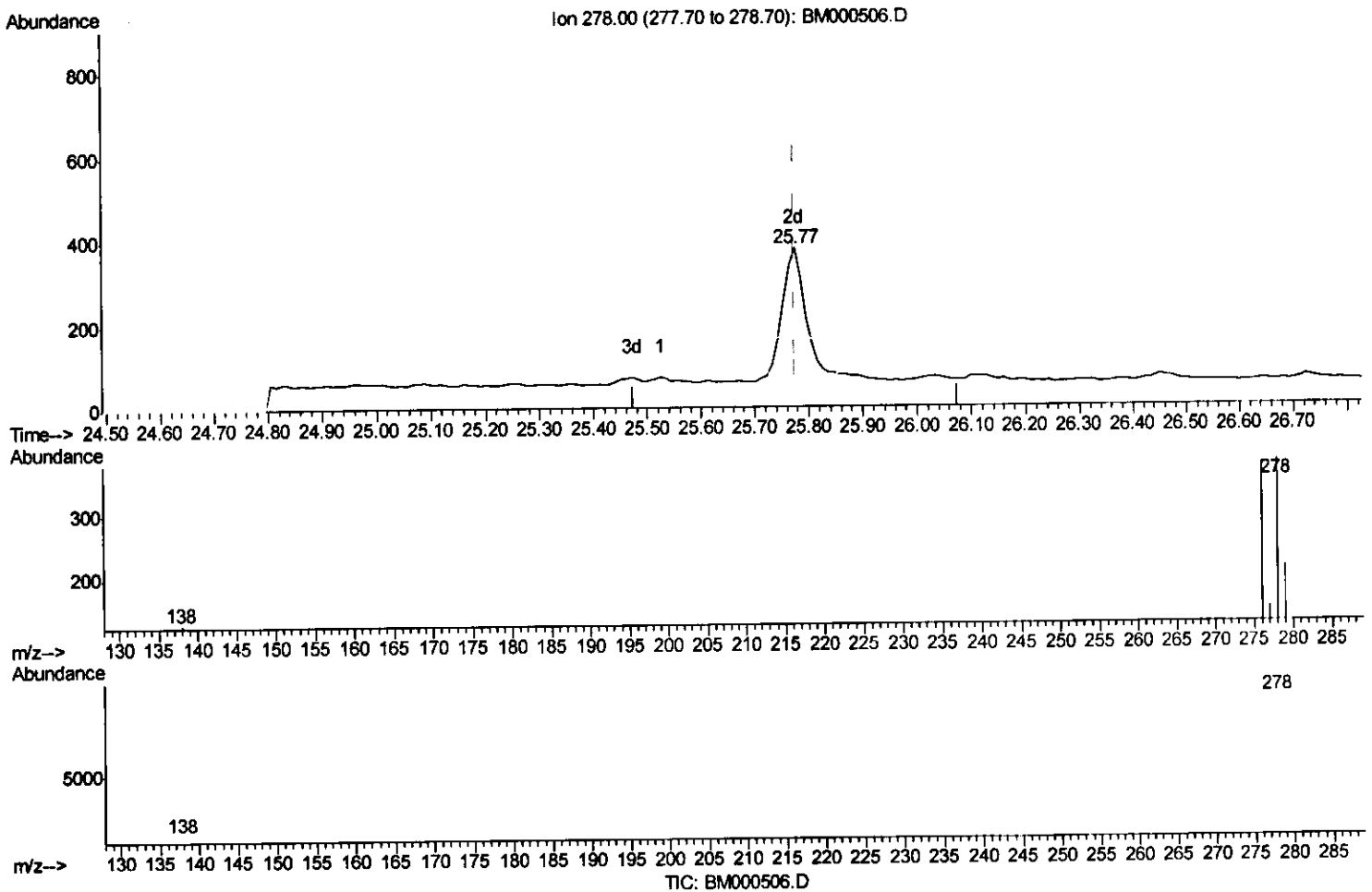
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN4

Manual Integrations
 APPROVED

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Quant Time: Feb 13 10:24:43 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 12 16:45:55 2015
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.774min (-0.000) 0.04ng/ul m

response 998

Ion	Exp%	Act%
278.00	100	100
139.00	15.60	32.72#
279.00	27.70	55.94#
0.00	0.00	0.00

T.P.
 2/17/15

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021215\
 Data File : BM000506.D
 Acq On : 12 Feb 2015 17:15
 Operator : TP/IZ
 Sample : G1249-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3781	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	12692	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	7323	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	15127m	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	12441	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	10007m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	6629	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	14014m	0.44	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Pentachlorophenol	16.75	266	797	0.41	ng/ul	95
13) Anthracene	17.23	178	2018	0.05	ng/ul#	86
15) Fluoranthene	19.15	202	1828	0.04	ng/ul	90
18) Benzo(a)anthracene	21.27	228	1887m	0.05	ng/ul	
19) Chrysene	21.32	228	2121	0.05	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.76	276	1429	0.04	ng/ul	99
25) Dibenzo(a,h)anthracene	25.77	278	998m	0.04	ng/ul	
26) Benzo(g,h,i)perylene	26.44	276	1250	0.04	ng/ul#	75

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