

Quantitation Report (QT Reviewed)

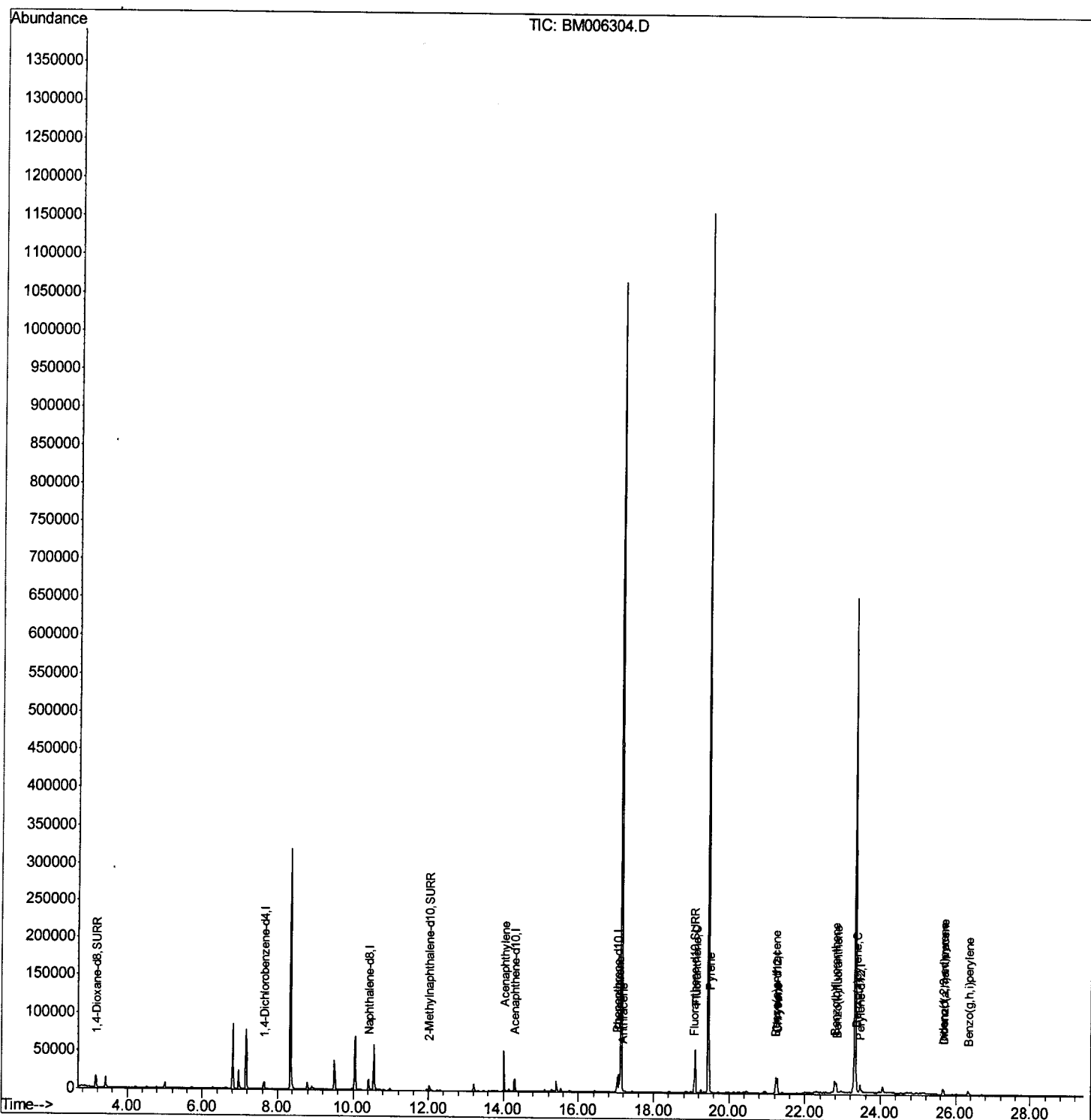
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

Quant Time: Jul 07 12:47:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

APPROVED
 umangi
 7/7/2016 6:06:14 PM



Quantitation Report (Qedit)

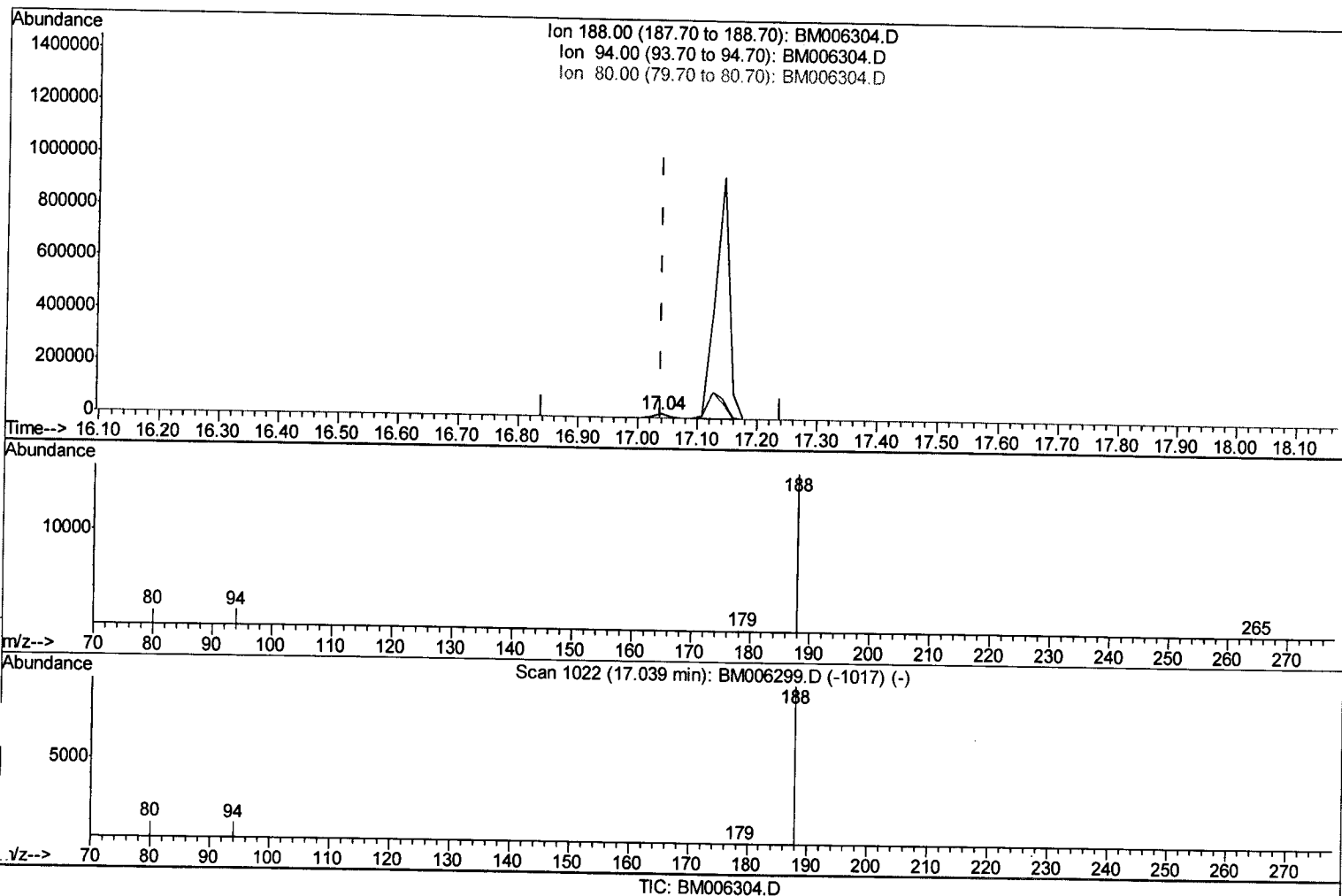
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integration

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Quant Time: Jul 07 12:43:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
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(12) Phenanthrene-d10 (I)

17.039min (+0.000) 0.40ng/ul m

response 24027

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	9.73
80.00	11.90	9.33#
0.00	0.00	0.00

V.M
 07/11/16

Quantitation Report (Qedit)

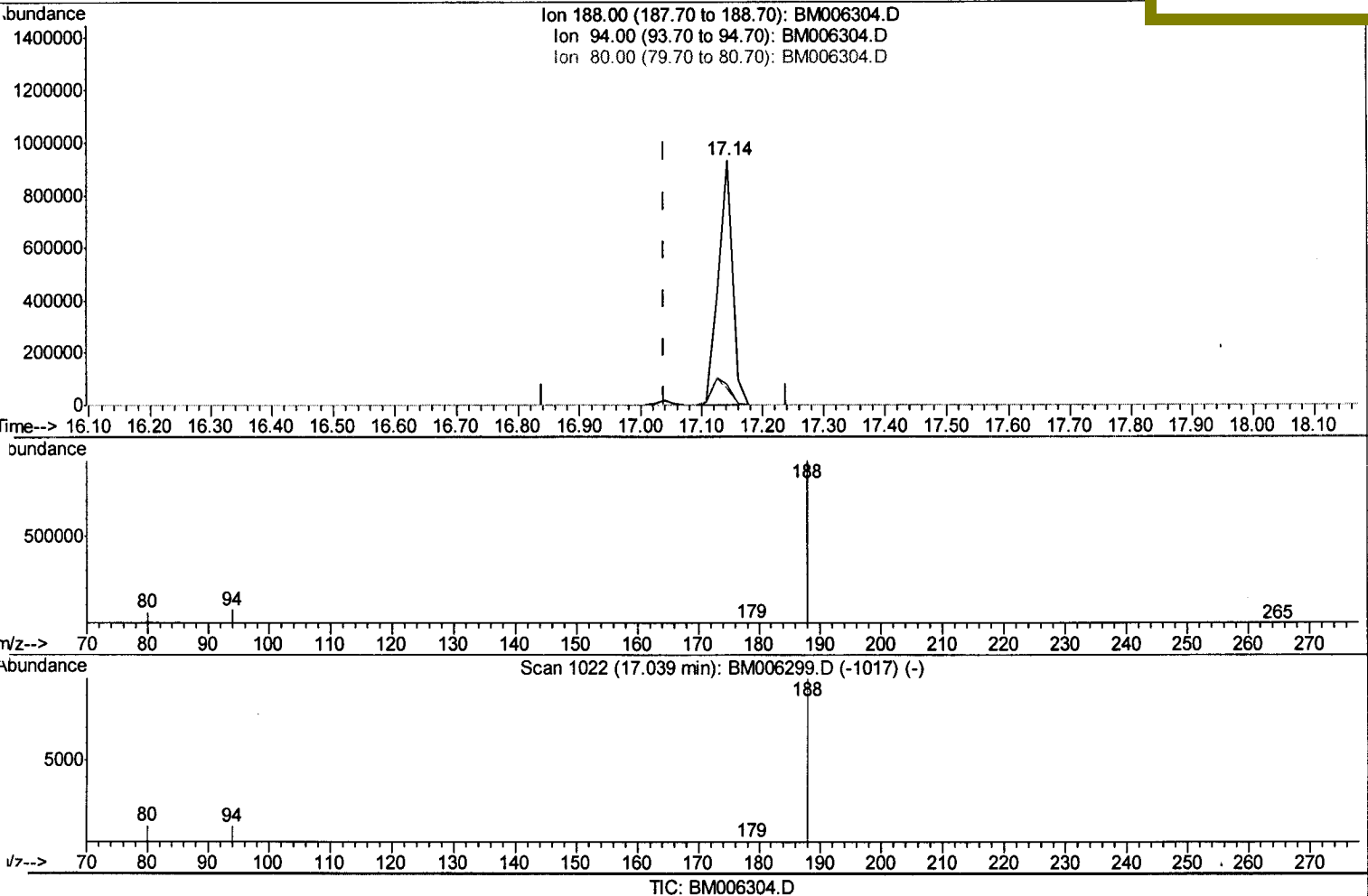
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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Manual Integration

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Quant Time: Jul 07 12:43:39 2016
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(12) Phenanthrene-d10 (I)

17.142min (+0.103) 0.40ng/ul

response 1496073

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	8.13#
80.00	11.90	6.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

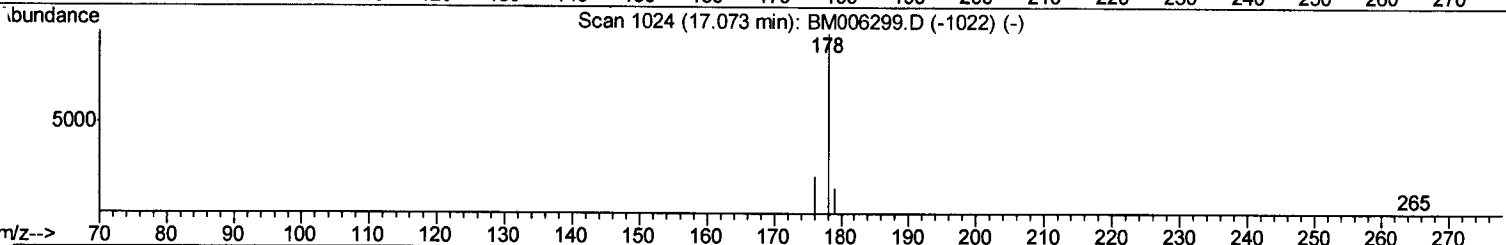
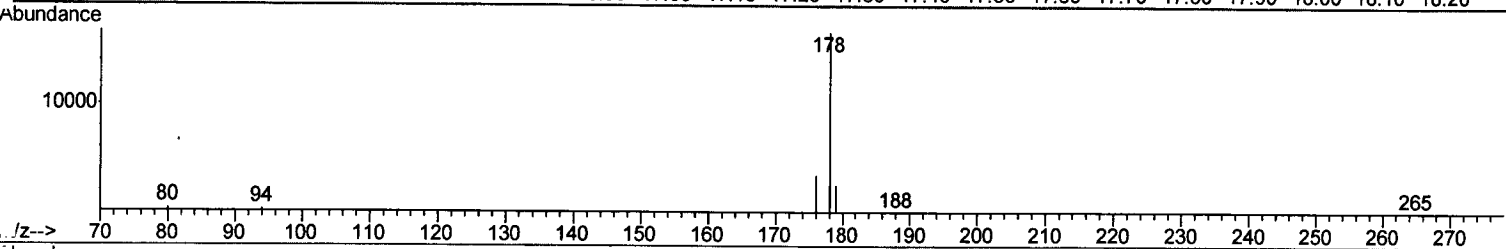
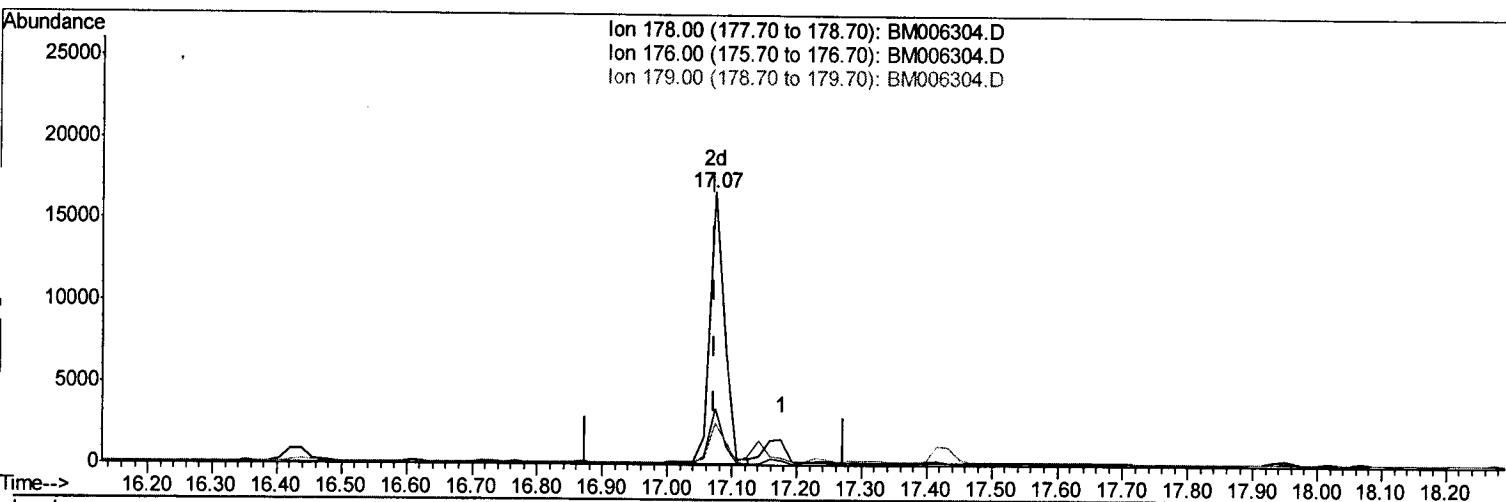
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

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Quant Time: Jul 07 12:44:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM006304.D

(14) Phenanthrene

17.073min (+0.000) 0.40ng/ul m

response 26491

Ion Exp% Act%

178.00 100 100

176.00 16.20 20.89#

179.00 17.70 15.50

0.00 0.00 0.00

U.M
 07/11/16

Quantitation Report (Qedit)

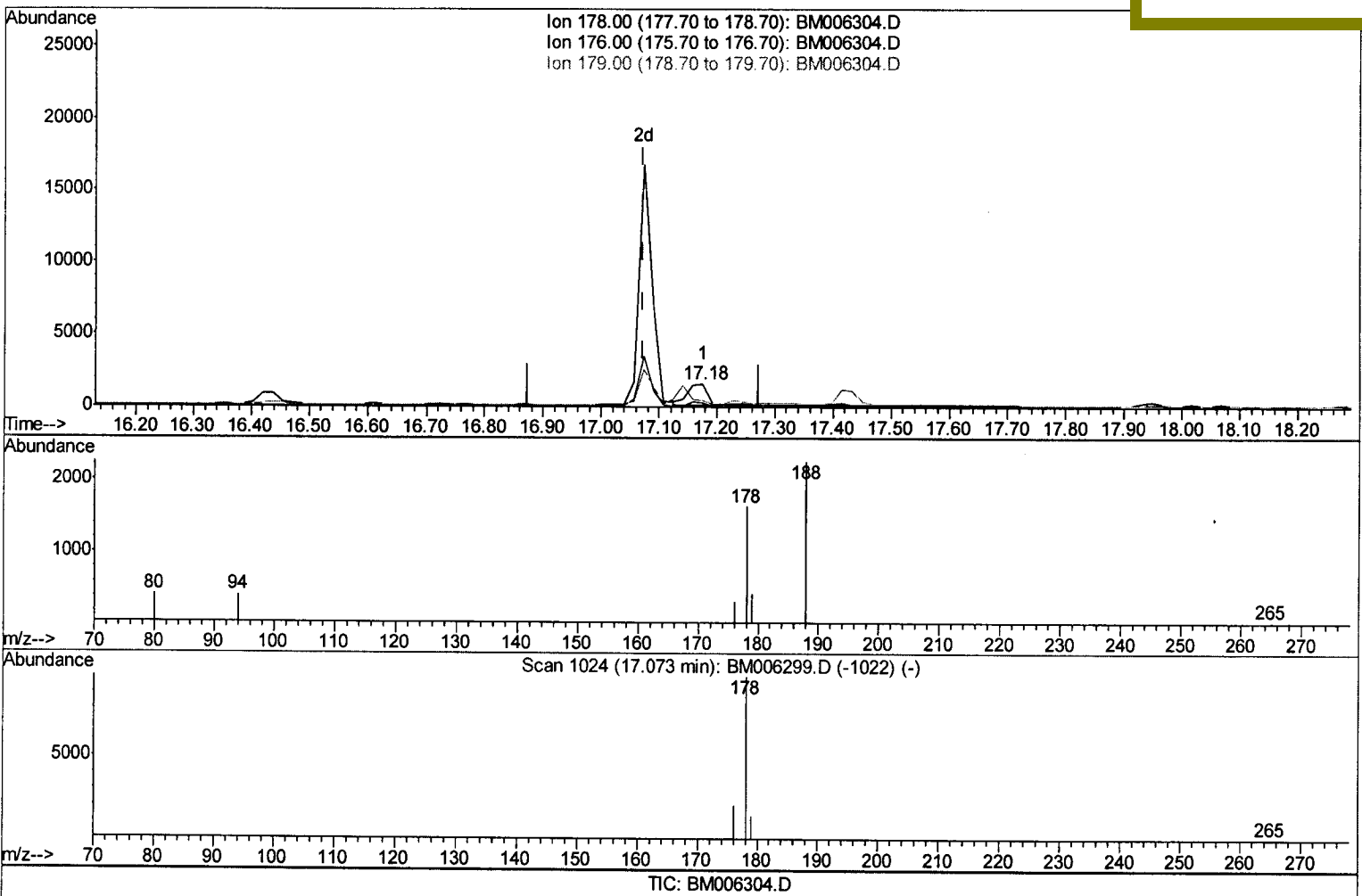
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
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(14) Phenanthrene

17.176min (+0.103) 0.05ng/ul

response 3644

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.71#
179.00	17.70	27.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

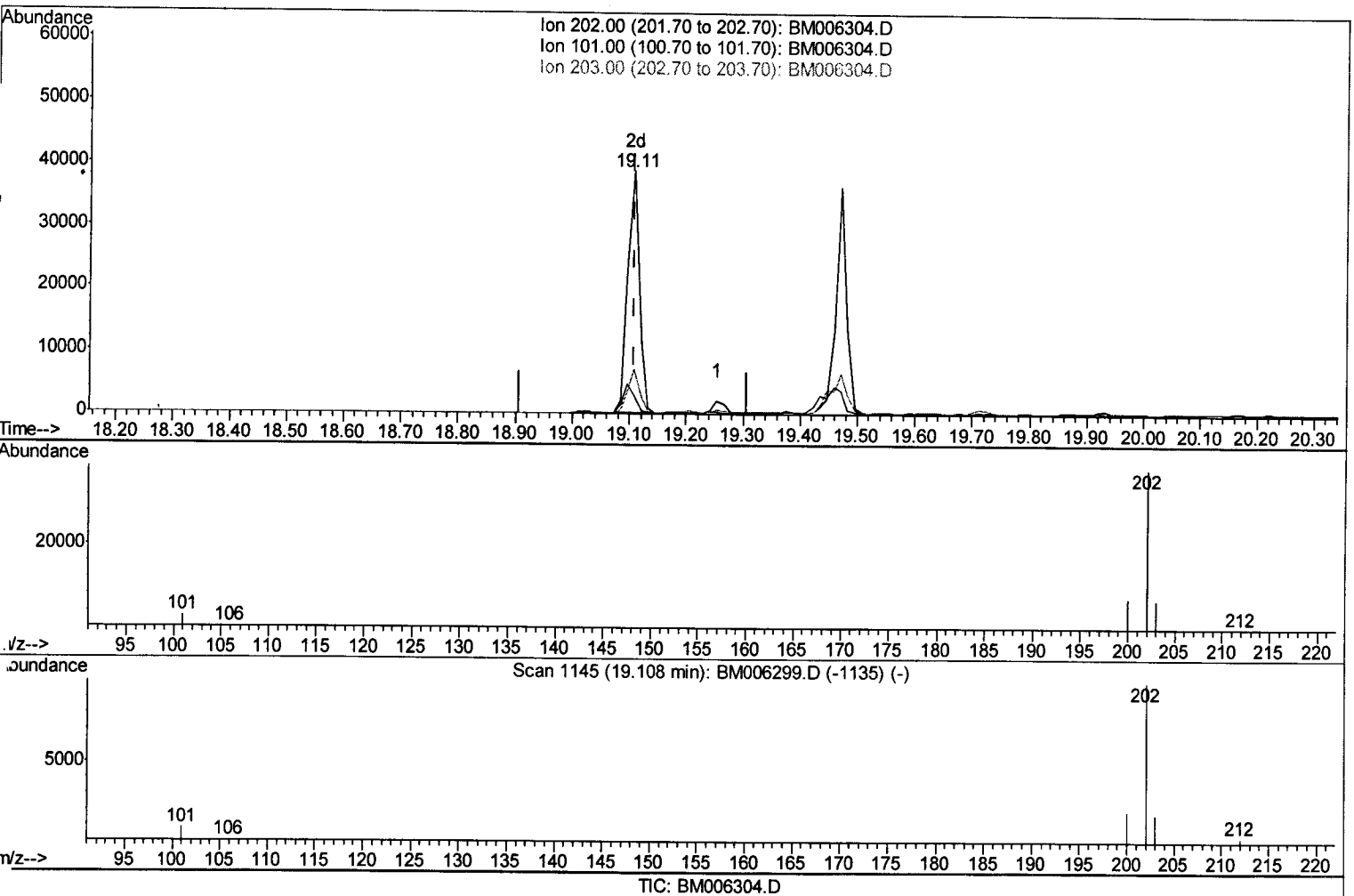
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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(17) Fluoranthene (C)

19.108min (+0.000) 0.76ng/ul m

response 55569

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	7.54
203.00	16.30	18.41
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

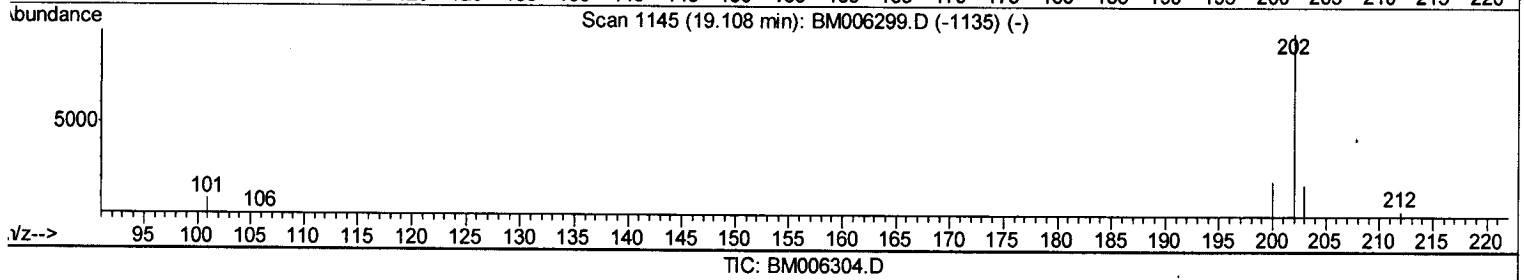
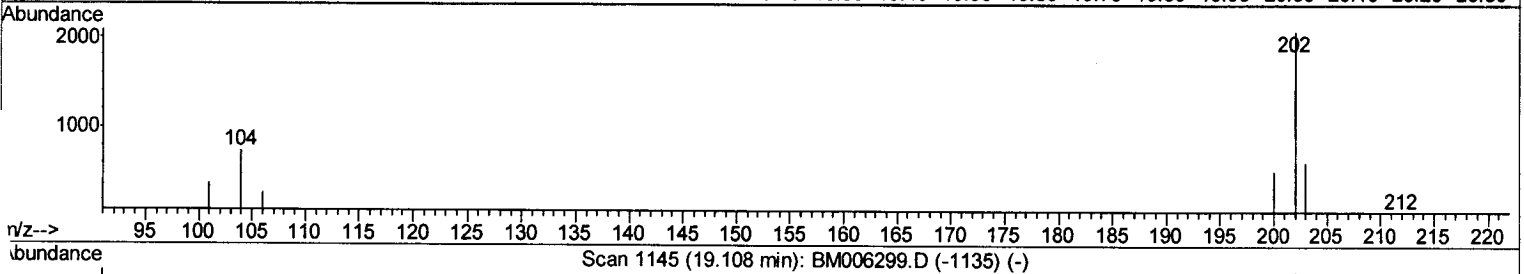
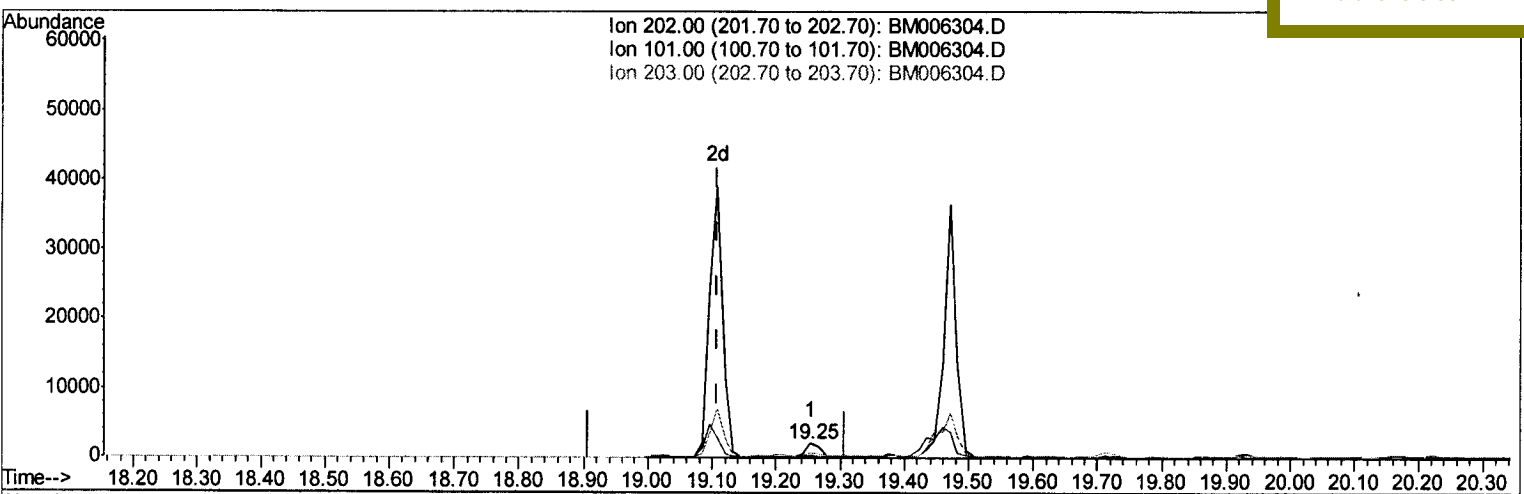
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(17) Fluoranthene (C)
 19.254min (+0.145) 0.04ng/ul
 response 3037

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	18.87
203.00	16.30	30.72
0.00	0.00	0.00

Quantitation Report (Qedit)

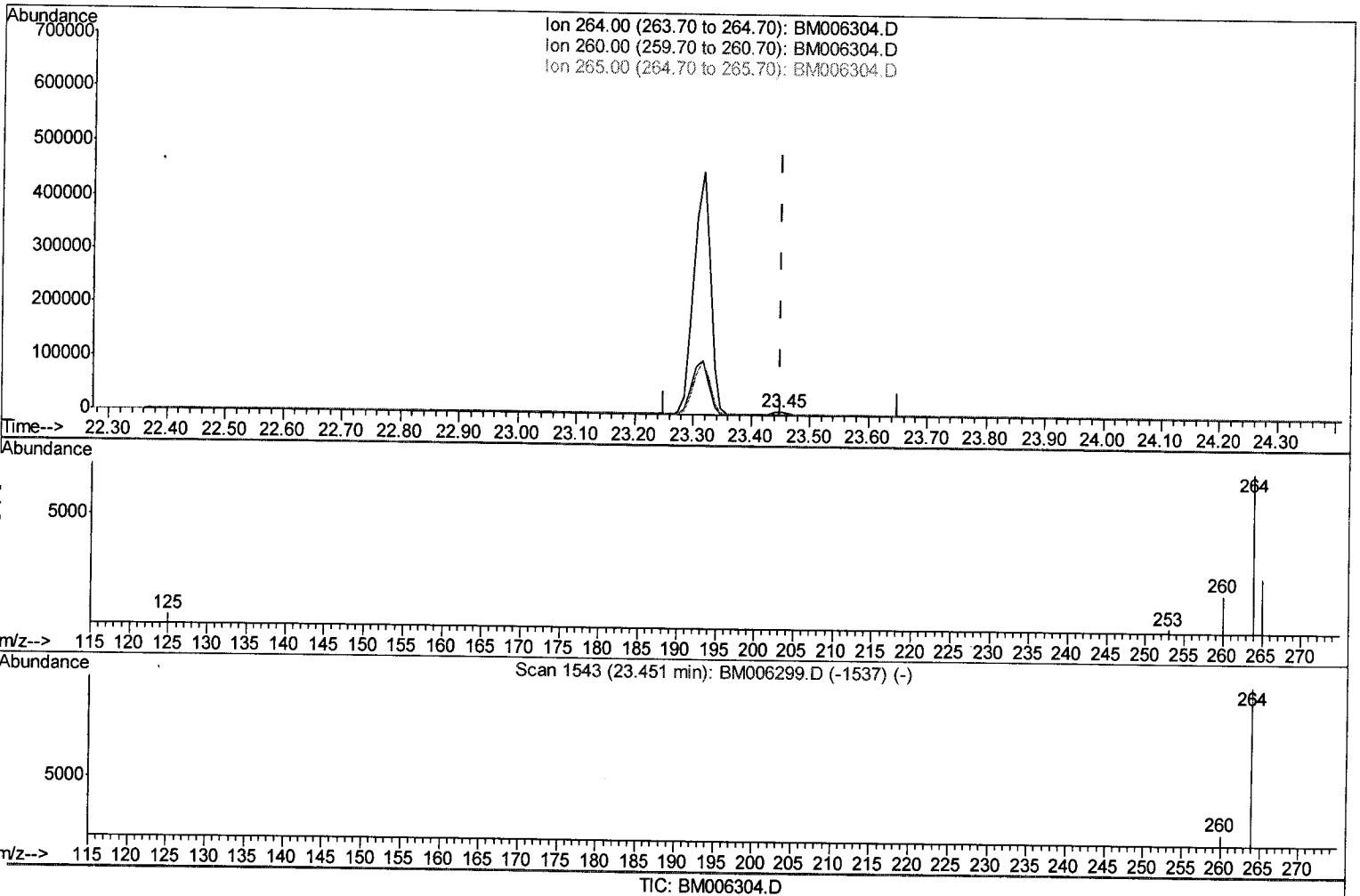
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

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(22) Perylene-d12 (I)

23.451min (+0.000) 0.40ng/ul m

response 11981

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.99
265.00	38.20	37.44
0.00	0.00	0.00

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Quantitation Report (Qedit)

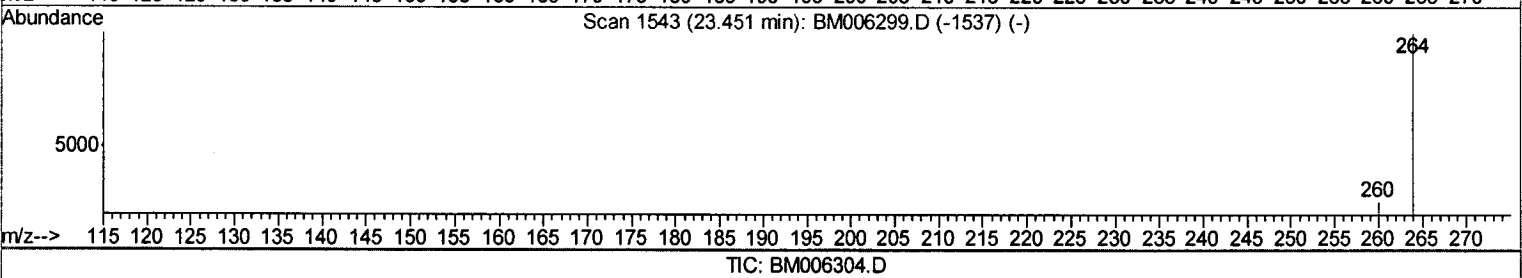
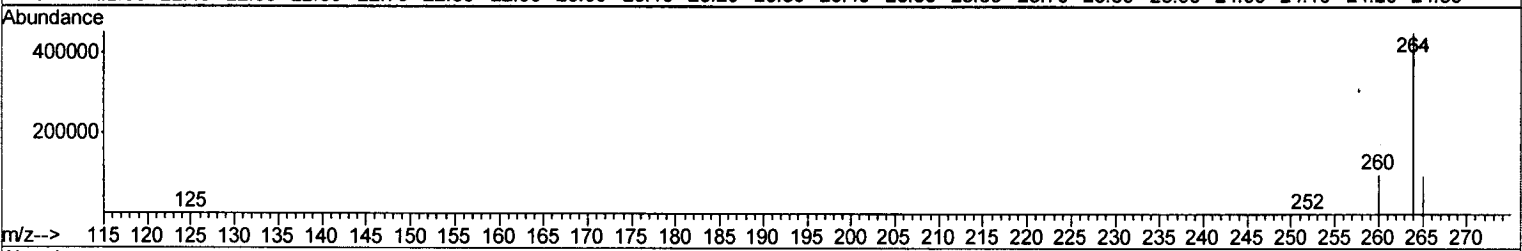
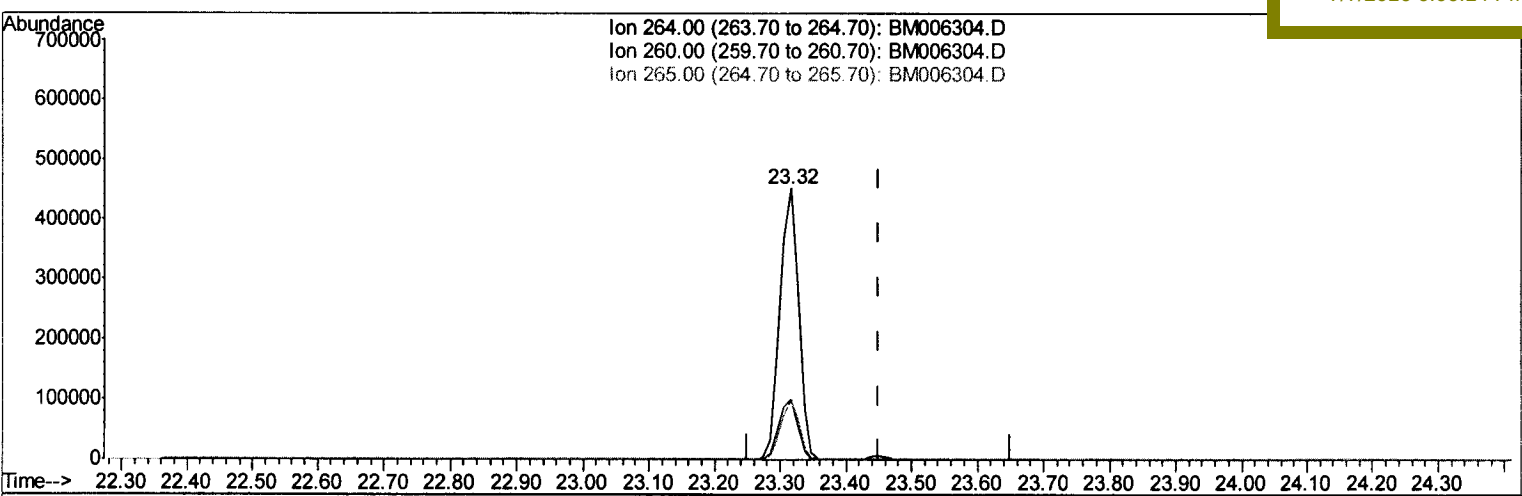
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integration

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(22) Perylene-d12 (I)

23.316min (-0.135) 0.40ng/ul

response 880793

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	22.18
265.00	38.20	21.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

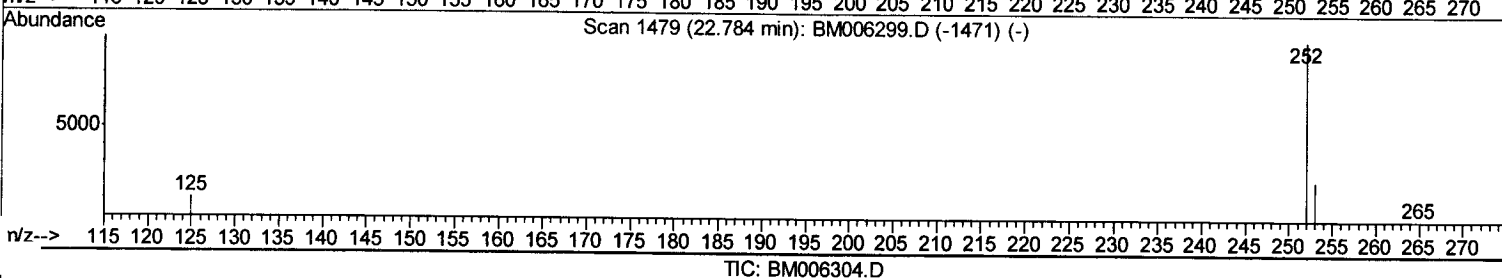
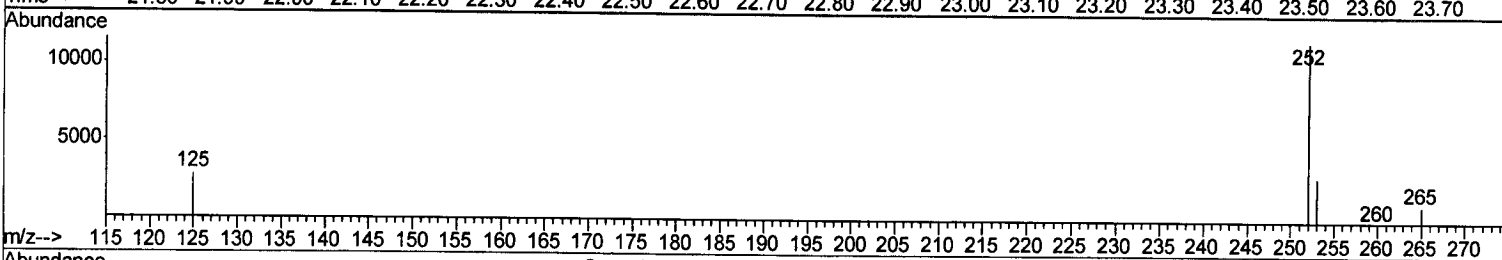
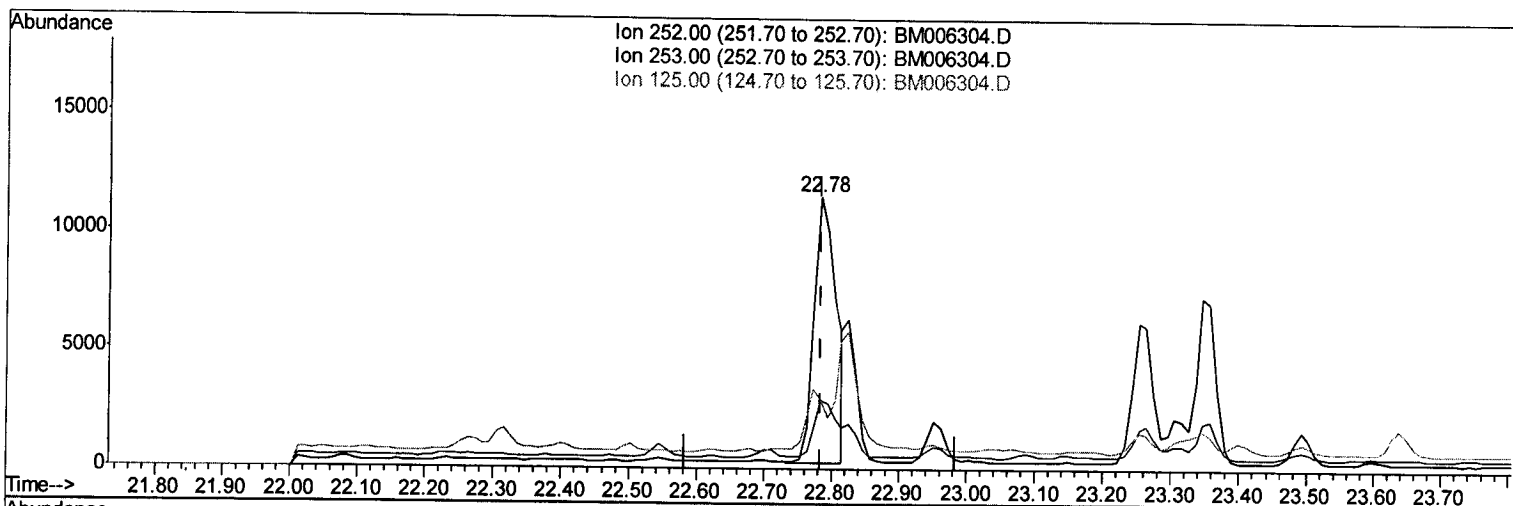
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

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 umangi
 7/7/2016 6:06:14 PM



(23) Benzo(b)fluoranthene

22.784min (+0.000) 0.60ng/ul m *U.M*
07/11/16
 response 25940

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.10
125.00	14.40	24.83
0.00	0.00	0.00

Quantitation Report (Qedit)

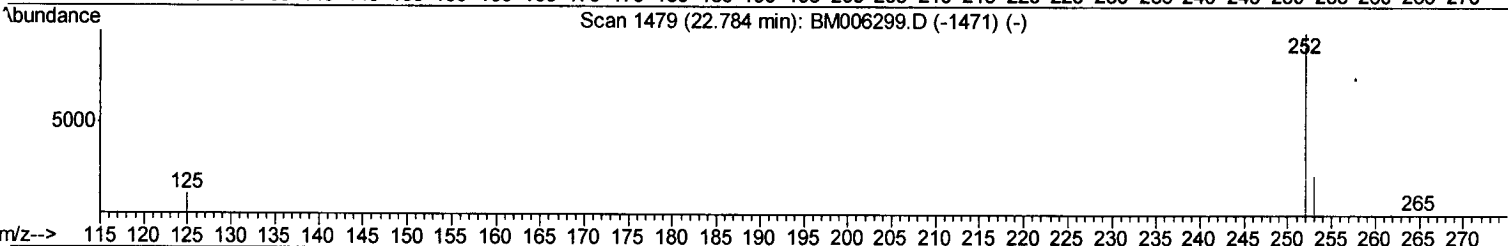
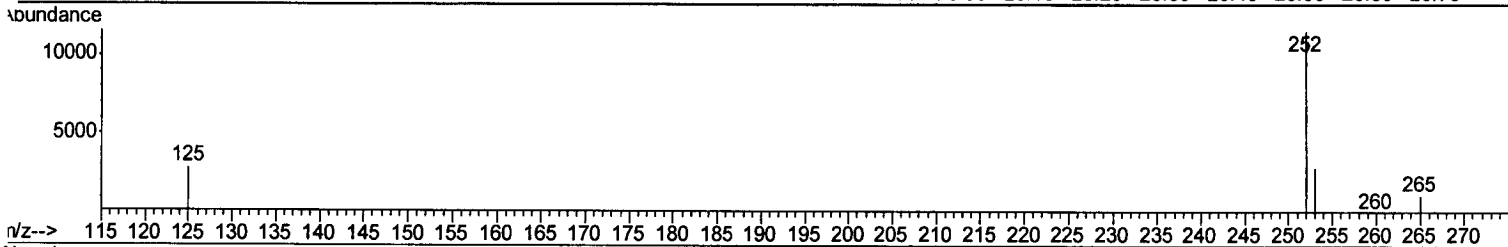
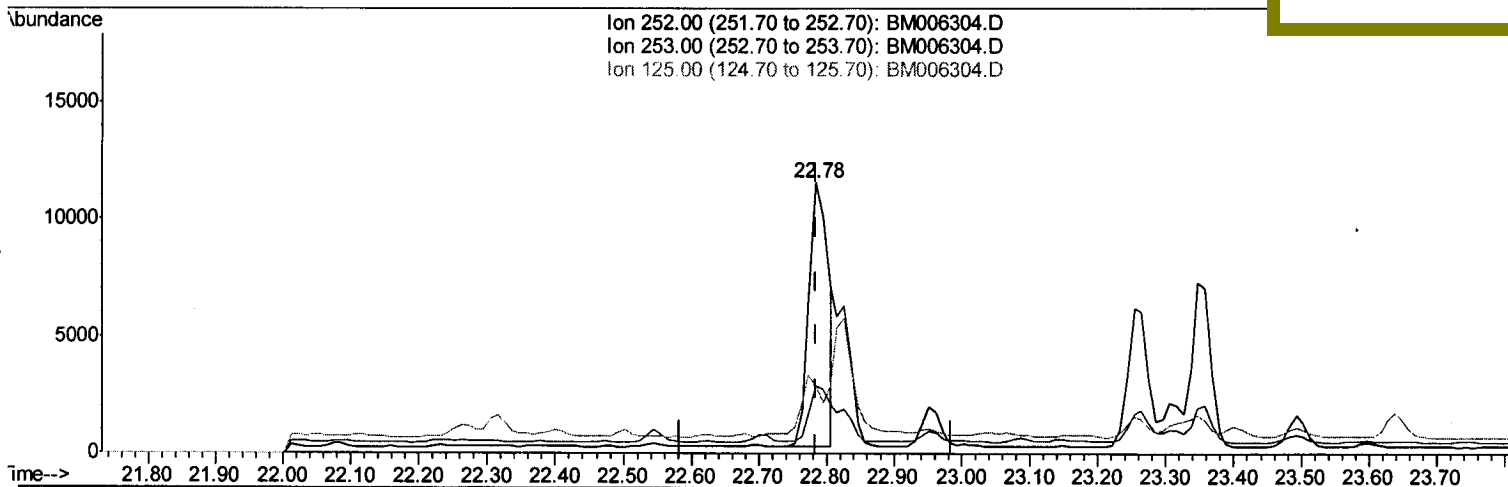
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integration

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TIC: BM006304.D

(23) Benzo(b)fluoranthene

22.784min (+0.000) 0.52ng/ul

response 22284

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.10
125.00	14.40	24.83
0.00	0.00	0.00

Quantitation Report (Qedit)

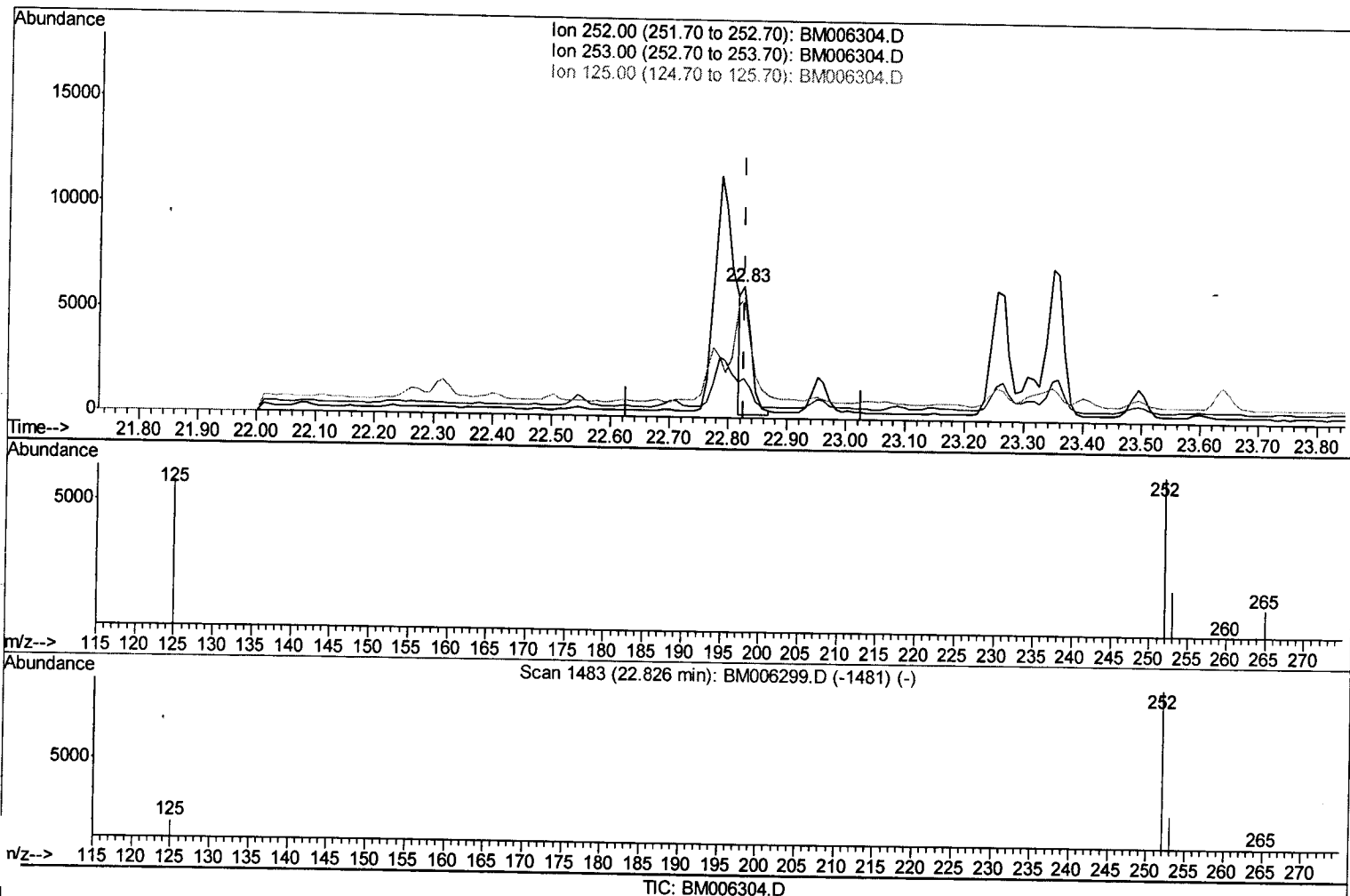
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File.: BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

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Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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(24) Benzo(k)fluoranthene

22.826min (+0.000) 0.18ng/ul m

response 7180

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	29.74
125.00	13.00	91.30#
0.00	0.00	0.00

U.M
 07/11/16

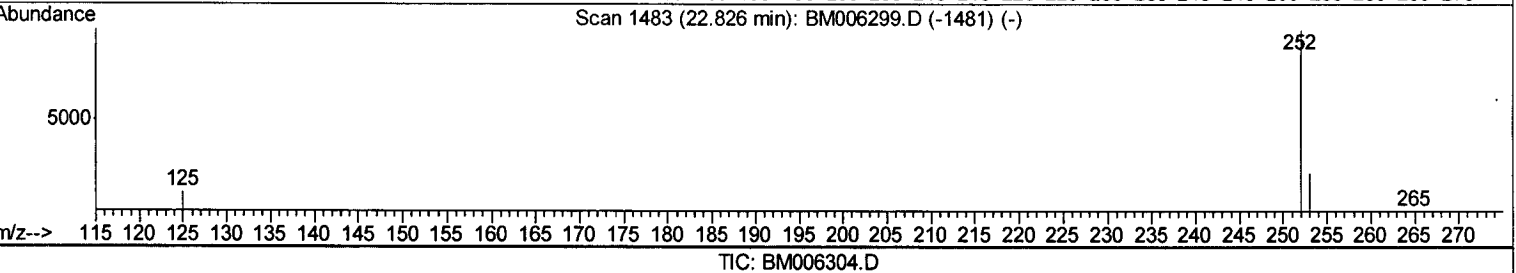
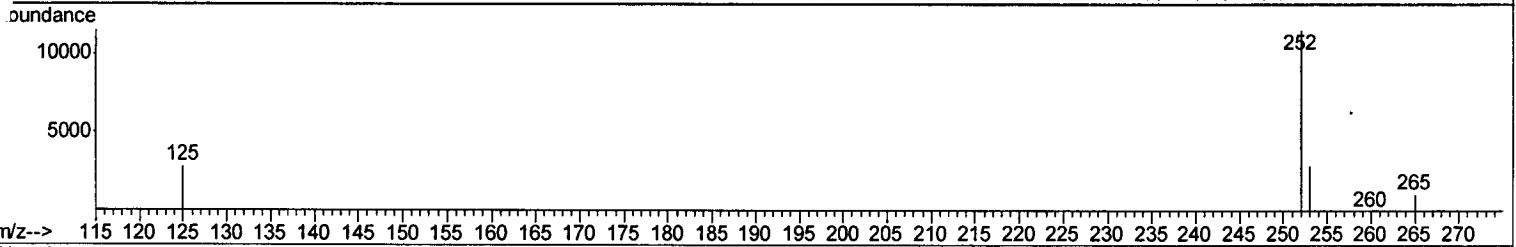
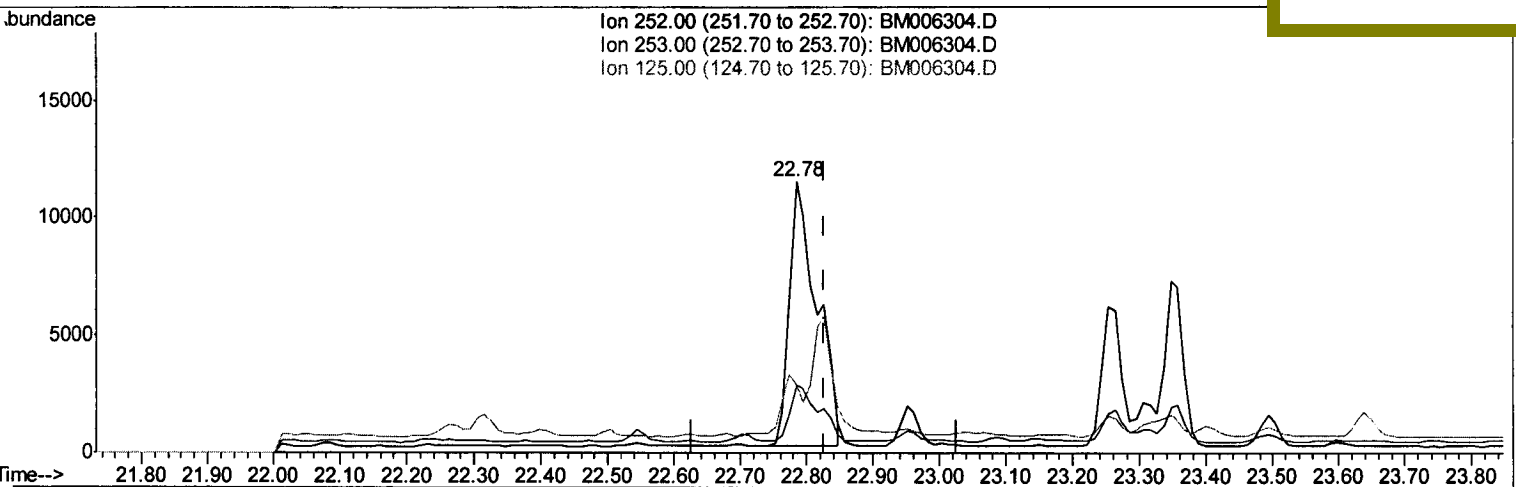
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006304.D
Acq On : 07 Jul 2016 04:41
Operator : UM/SJ
Sample : H3811-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TW8

Manual Integration

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Quant Time: Jul 07 12:45:28 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 05:51:09 2016
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

22.784min (-0.042) 0.81ng/ul

response 32363

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	25.10
125.00	13.00	24.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

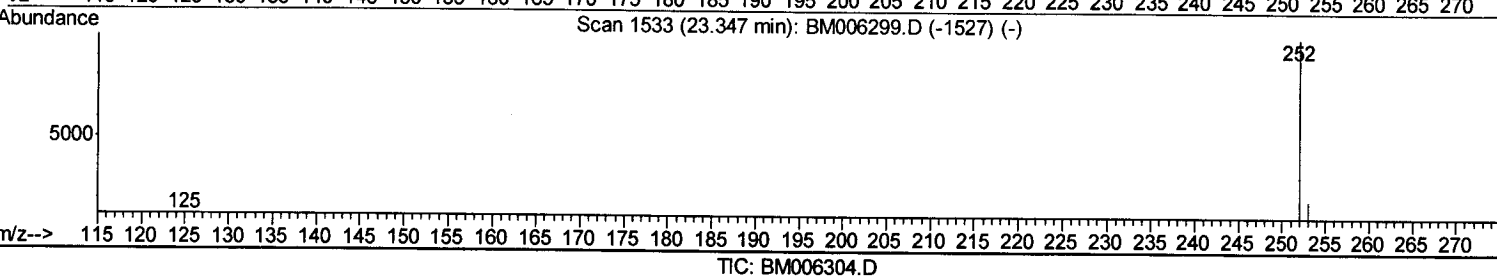
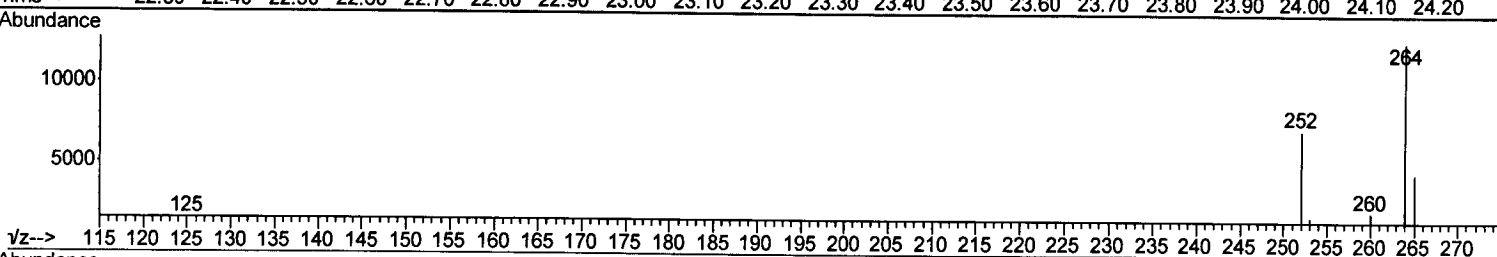
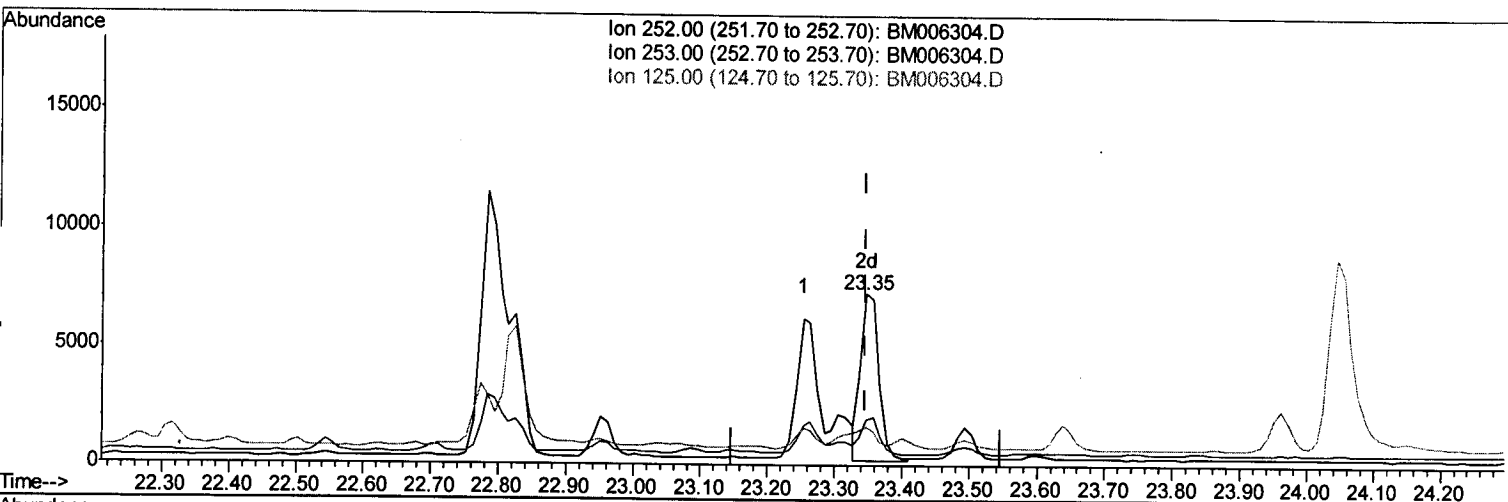
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TIC: BM006304.D

(25) Benzo(a)pyrene (C)

23.347min (+0.000) 0.34ng/ul m

response 13390

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	26.33
125.00	15.90	22.07#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

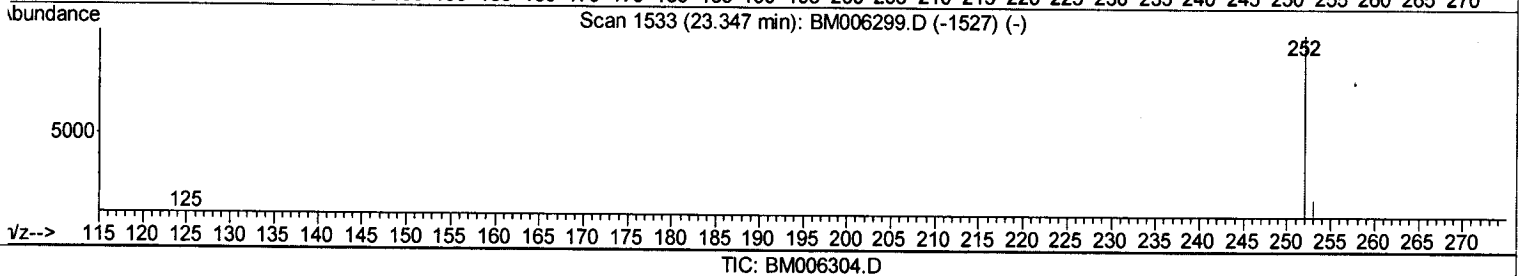
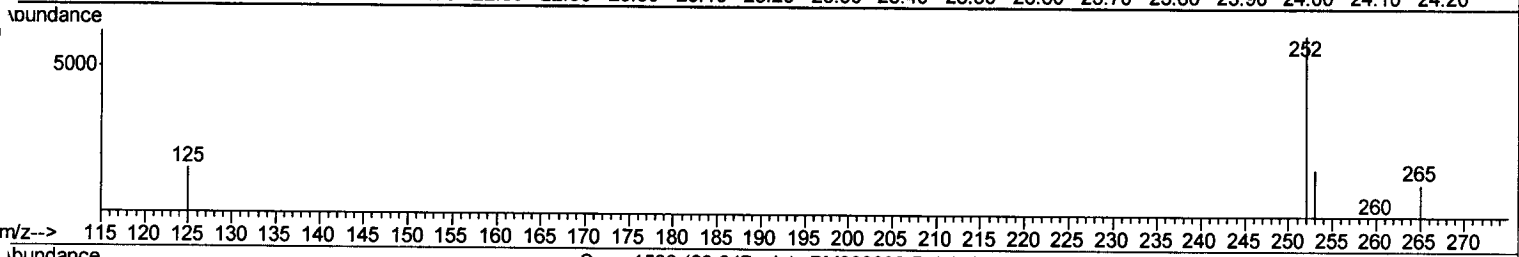
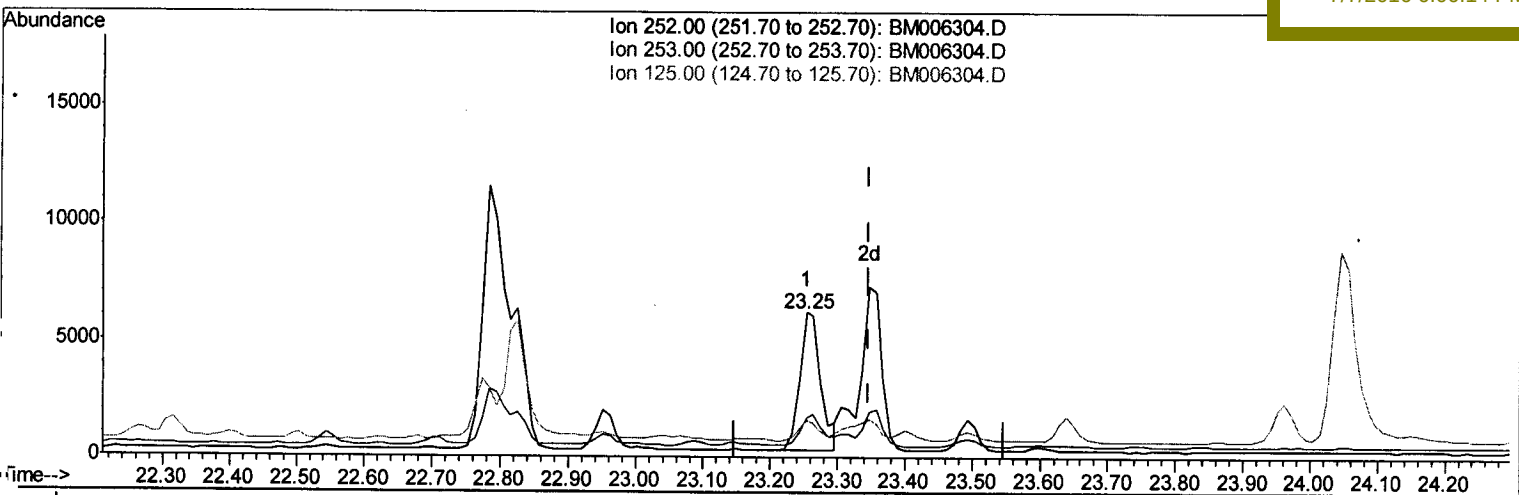
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(25) Benzo(a)pyrene (C)

23.253min (-0.094) 0.32ng/ul

response 12711

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	27.37
125.00	15.90	25.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

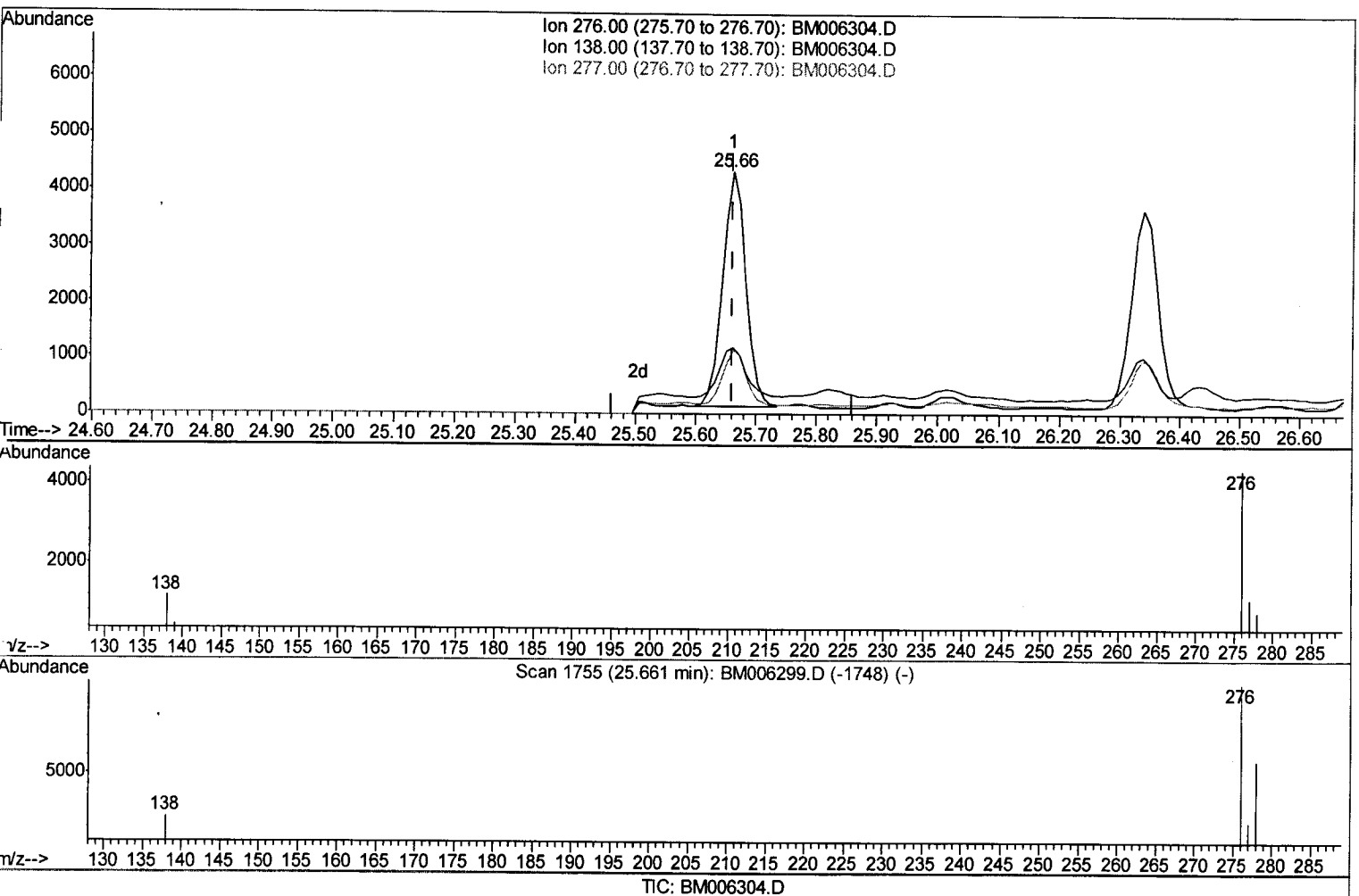
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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 Operator : UM/SJ
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(26) Indeno(1,2,3-cd)pyrene

25.661min (+0.000) 0.25ng/ul m

response 11275

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	18.19
277.00	24.80	17.03#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

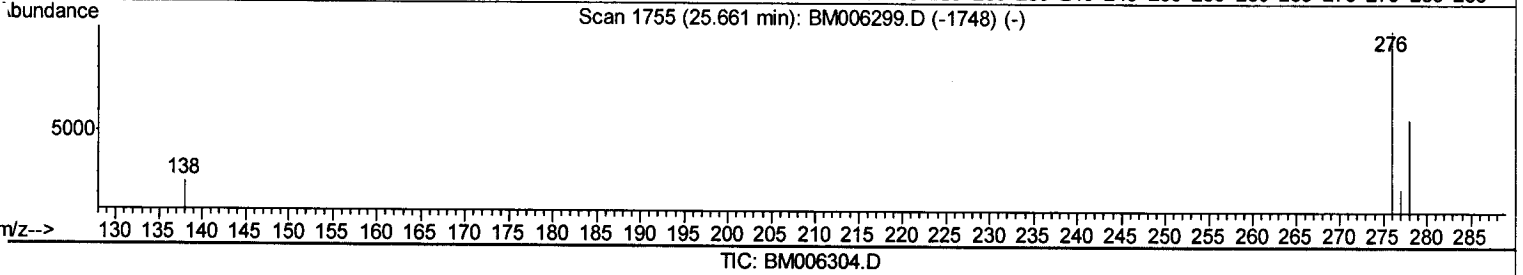
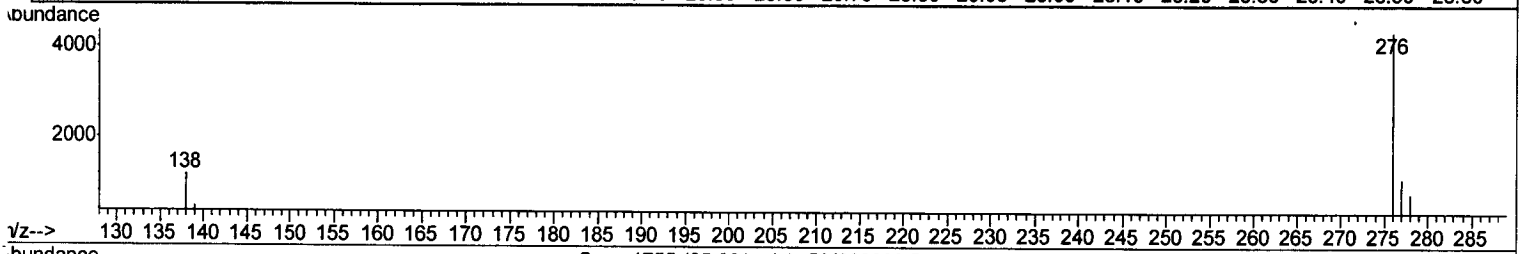
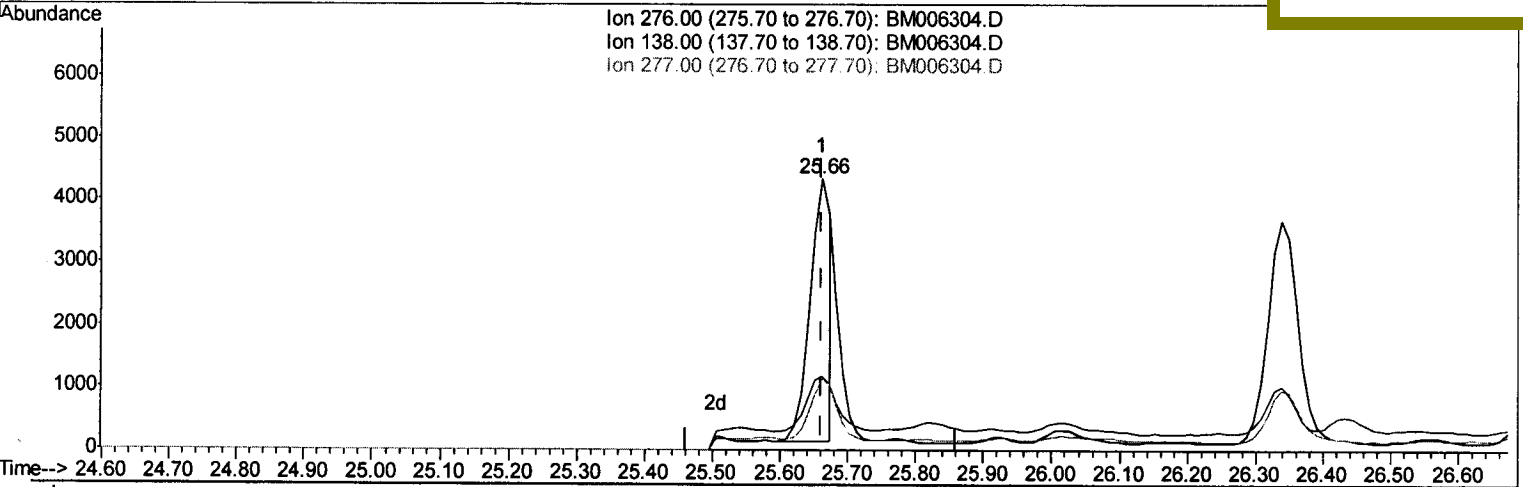
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Manual Integrati

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(26) Indeno(1,2,3-cd)pyrene
 25.661min (+0.000) 0.20ng/ul
 response 8727

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	23.50
277.00	24.80	22.00
0.00	0.00	0.00

Quantitation Report (Qedit)

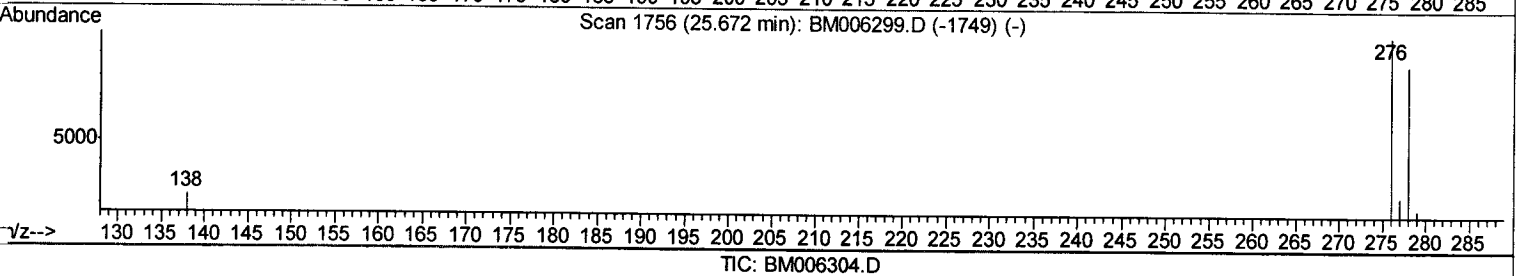
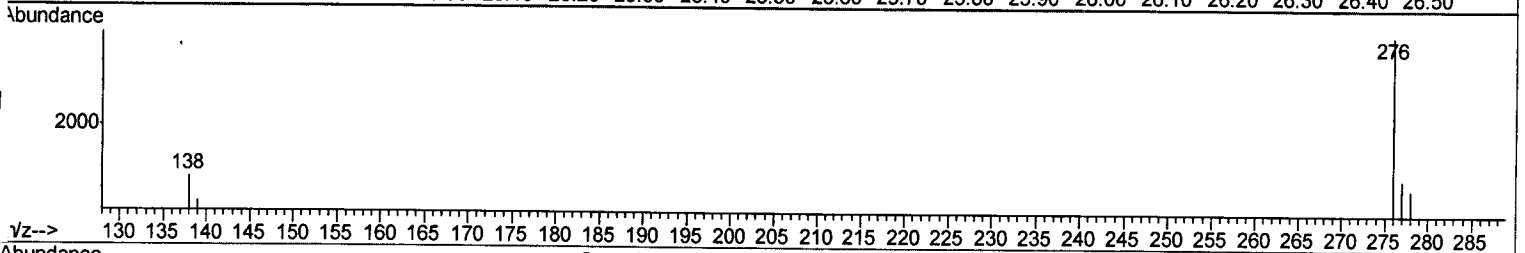
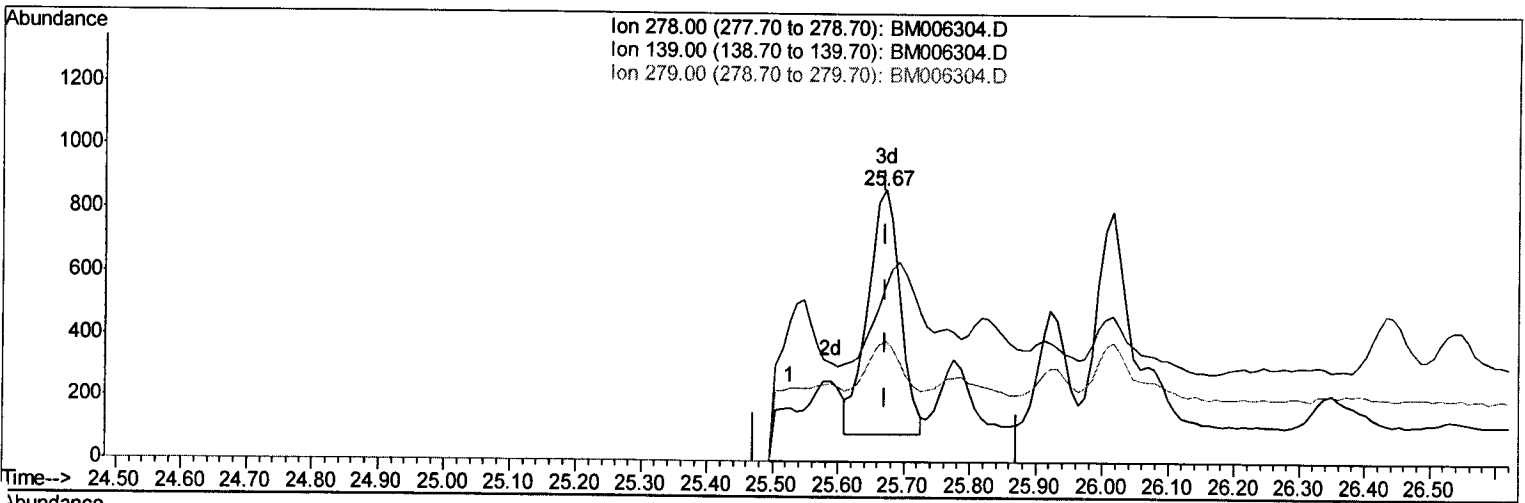
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

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(27) Dibenzo(a,h)anthracene

25.672min (+0.000) 0.08ng/ul m

response 2678

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 07/11/16

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	64.94#
279.00	25.20	44.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

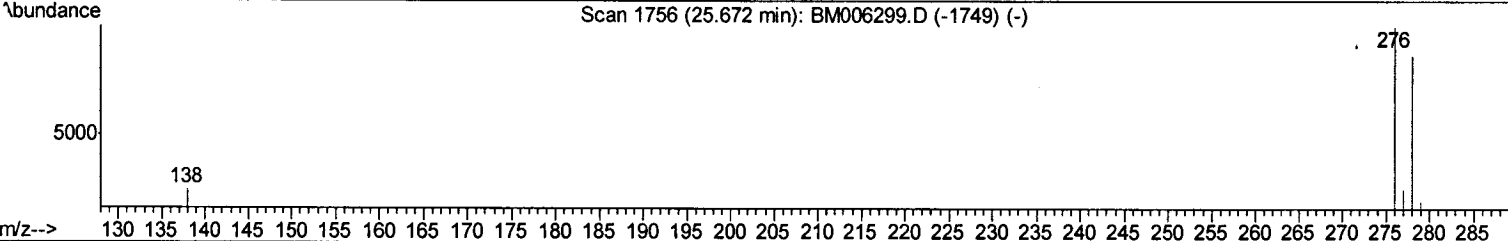
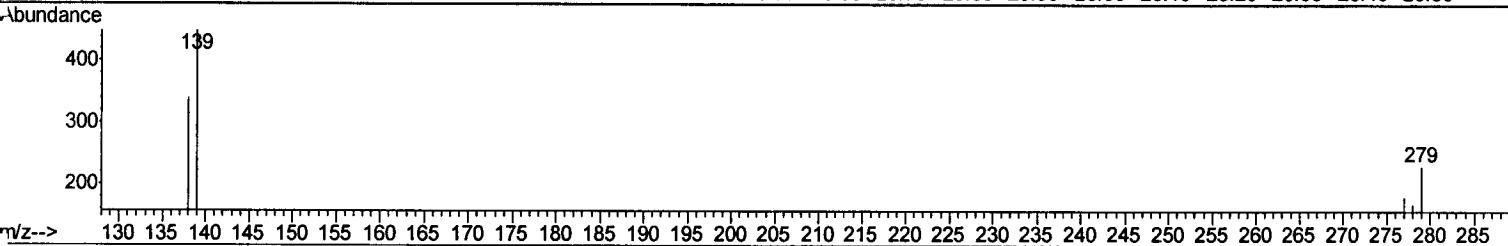
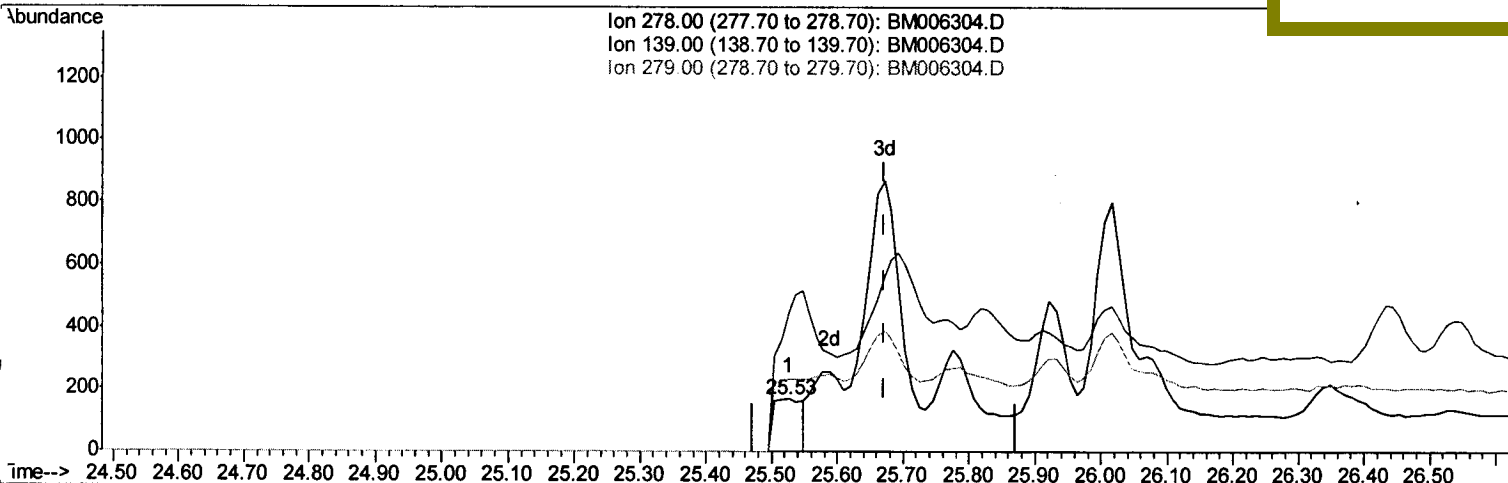
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Manual Integration

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TIC: BM006304.D

(27) Dibenzo(a,h)anthracene

25.526min (-0.146) 0.01ng/ul

response 511

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	265.68#
279.00	25.20	136.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

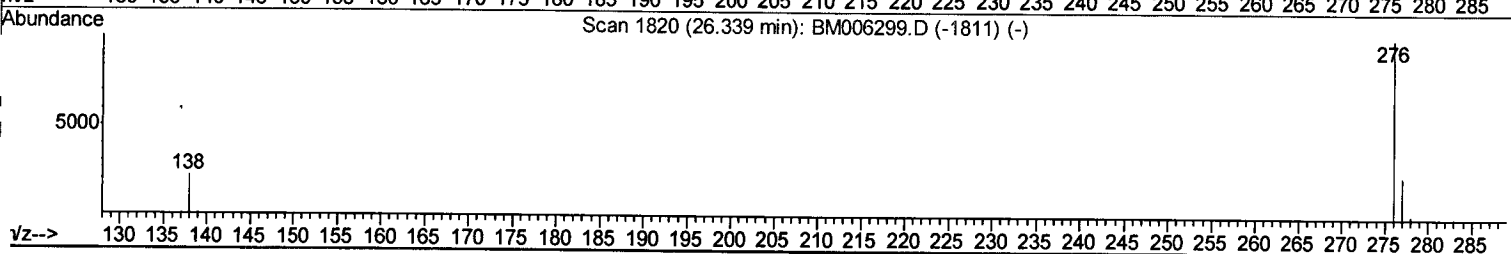
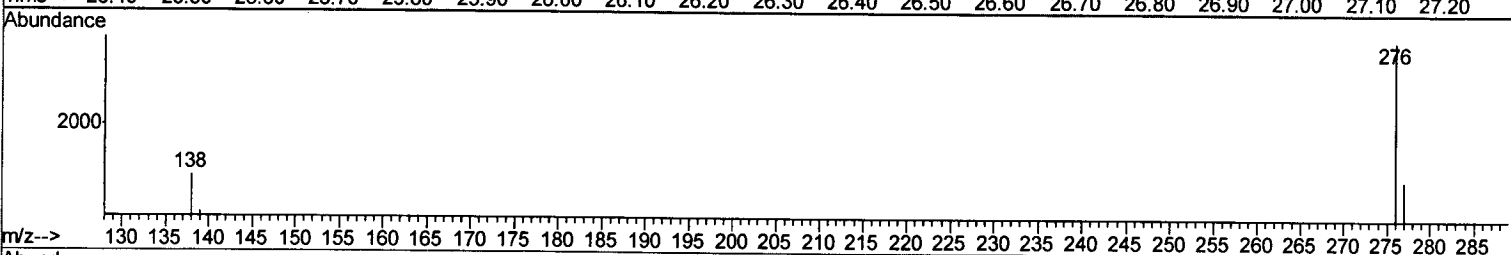
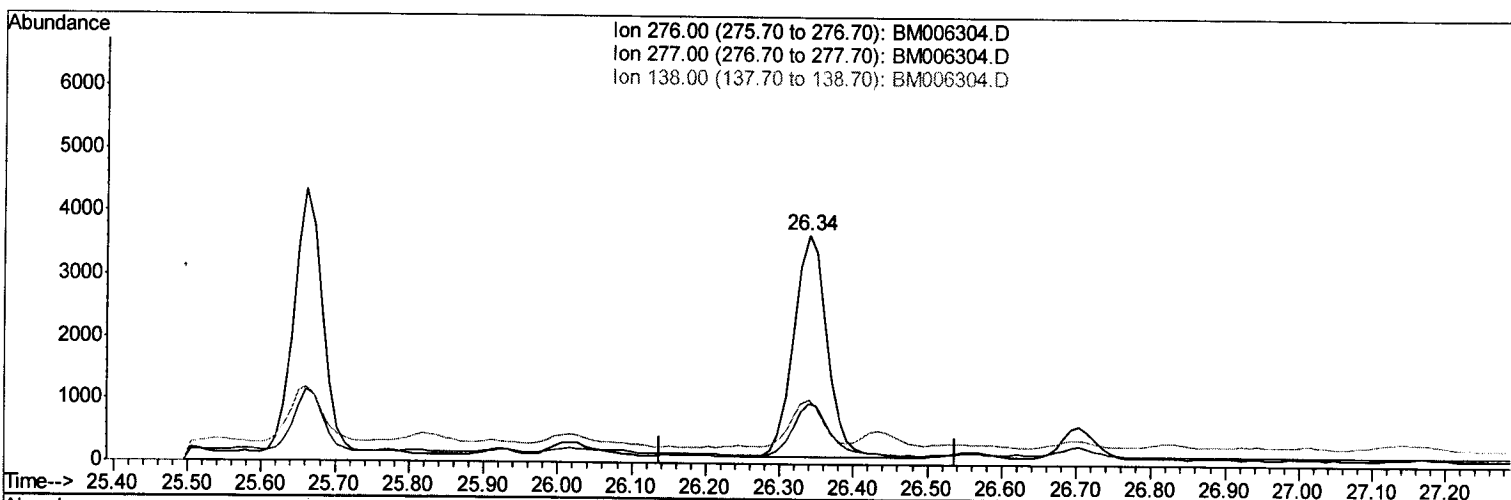
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

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Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration



TIC: BM006304.D

(28) Benzo(g,h,i)perylene

26.339min (+0.000) 0.30ng/ul m

response 11331

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	26.07
138.00	28.10	27.73
0.00	0.00	0.00

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 07/11/16

Quantitation Report (Qedit)

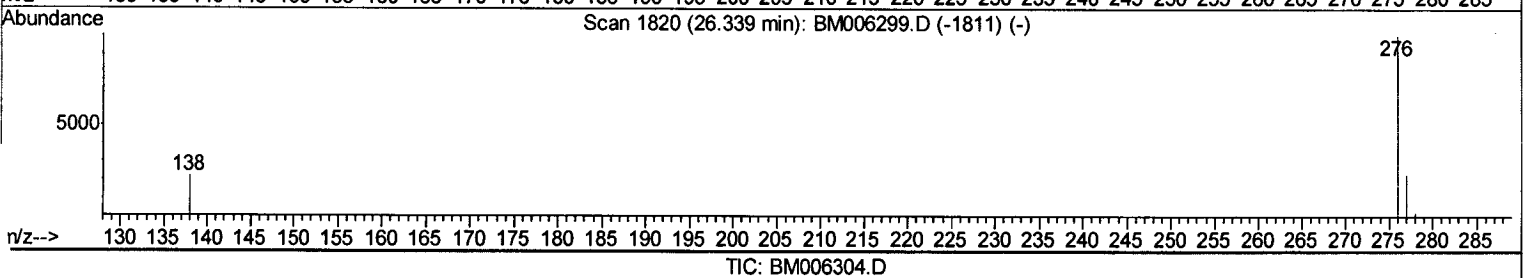
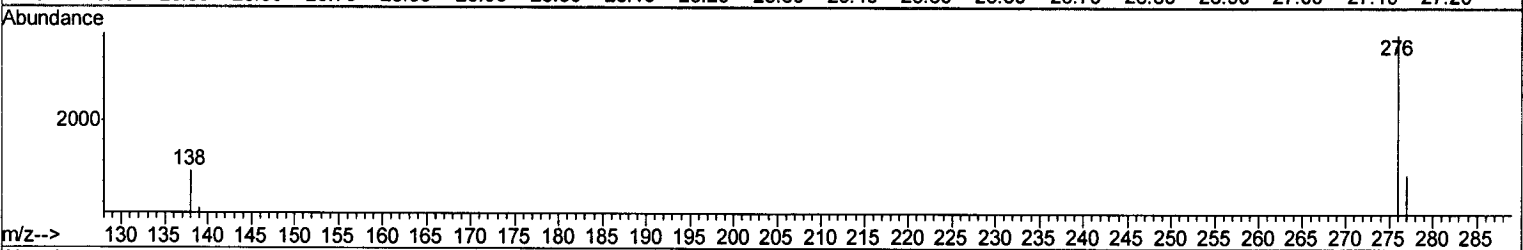
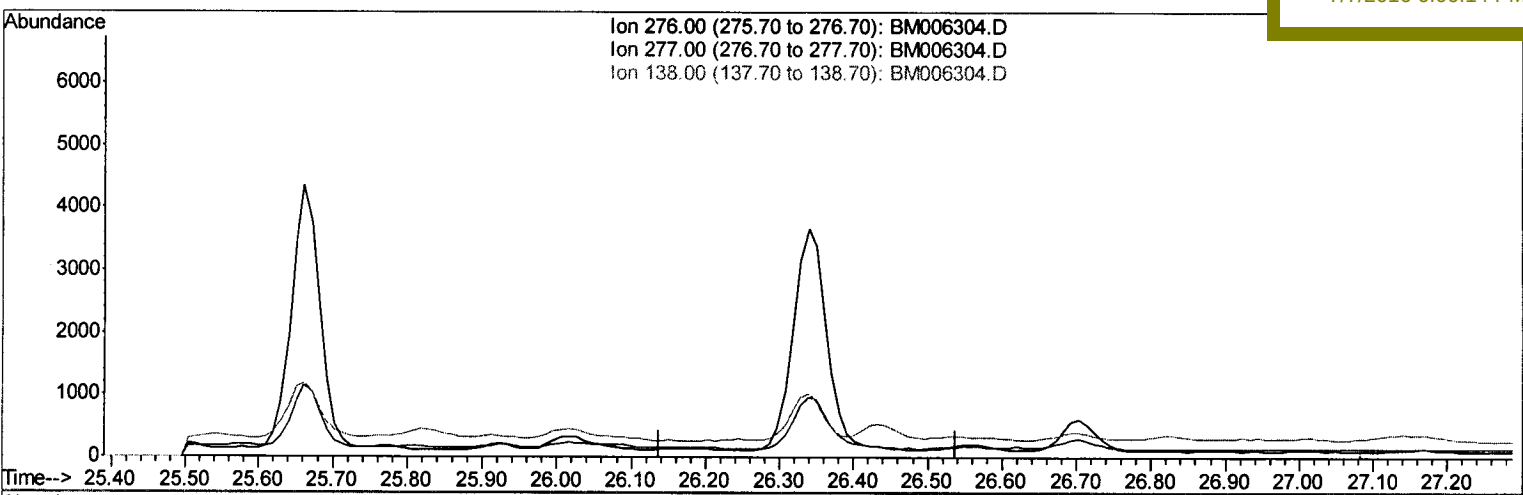
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Quant Time: Jul 07 12:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Manual Integration

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(28) Benzo(g,h,i)perylene

26.339min (-26.339) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	23.60	0.00#
138.00	28.10	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Manual Integration

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Quant Time: Jul 07 12:47:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5131	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20372	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11821	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	24027m	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	15442	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	11981m	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	11811	5.45	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	9944	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	19700	0.39	ng/ul	-0.01

Target Compounds

					Qvalue
9) Acenaphthylene	14.01	152	3884	0.10	ng/ul# 94
14) Phenanthrene	17.07	178	26491m	0.40	ng/ul
15) Anthracene	17.18	178	3308	0.05	ng/ul# 84
17) Fluoranthene	19.11	202	55569m	0.76	ng/ul
19) Pyrene	19.47	202	48853	0.76	ng/ul 96
20) Benzo(a)anthracene	21.22	228	12931	0.26	ng/ul# 89
21) Chrysene	21.27	228	19899	0.41	ng/ul 95
23) Benzo(b)fluoranthene	22.78	252	25940m	0.60	ng/ul
24) Benzo(k)fluoranthene	22.83	252	7180m	0.18	ng/ul
25) Benzo(a)pyrene	23.35	252	13390m	0.34	ng/ul
26) Indeno(1,2,3-cd)pyrene	25.66	276	11275m	0.25	ng/ul
27) Dibenzo(a,h)anthracene	25.67	278	2678m	0.08	ng/ul
28) Benzo(g,h,i)perylene	26.34	276	11331m	0.30	ng/ul

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