

Quantitation Report (QT Reviewed)

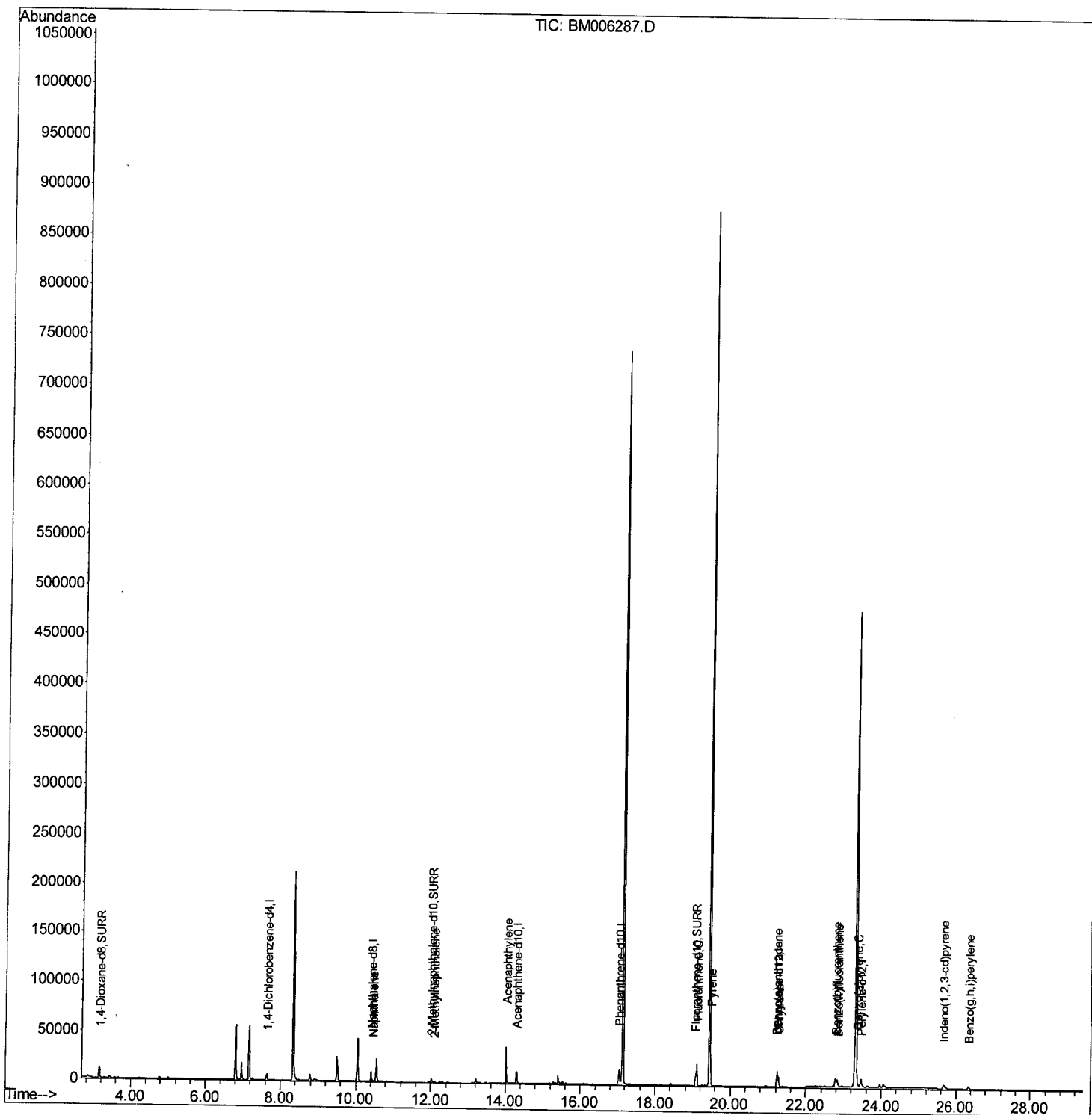
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

Quant Time: Jul 07 10:44:44 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 6:04:30 PM



Quantitation Report (Qedit)

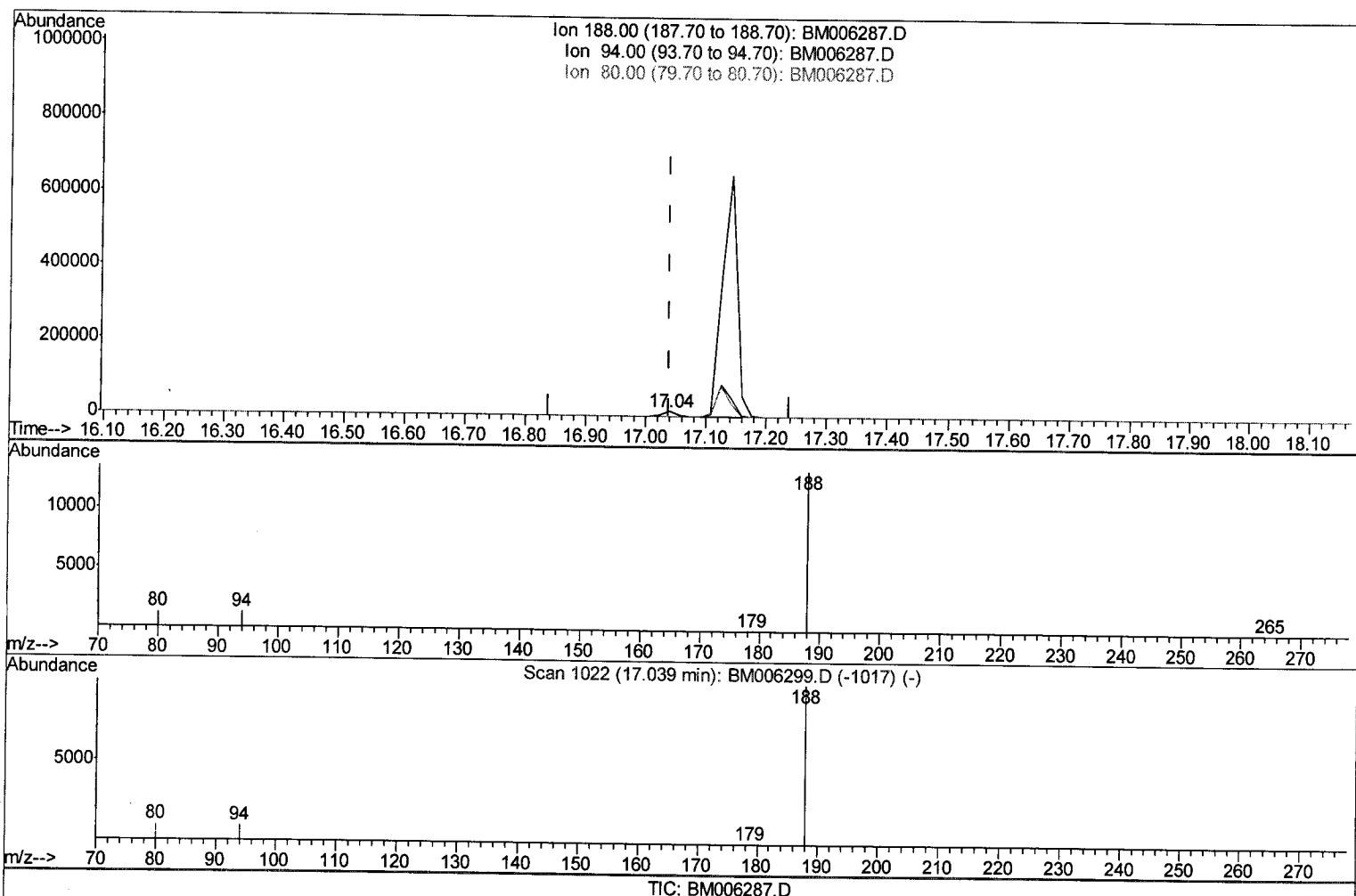
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

Quant Time: Jul 07 10:36:33 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 6:04:30 PM



(12) Phenanthrene-d10 (I)

17.039min (+0.000) 0.40ng/ul m

response 19146

U. M
 07/11/16

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	9.82
80.00	11.90	9.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

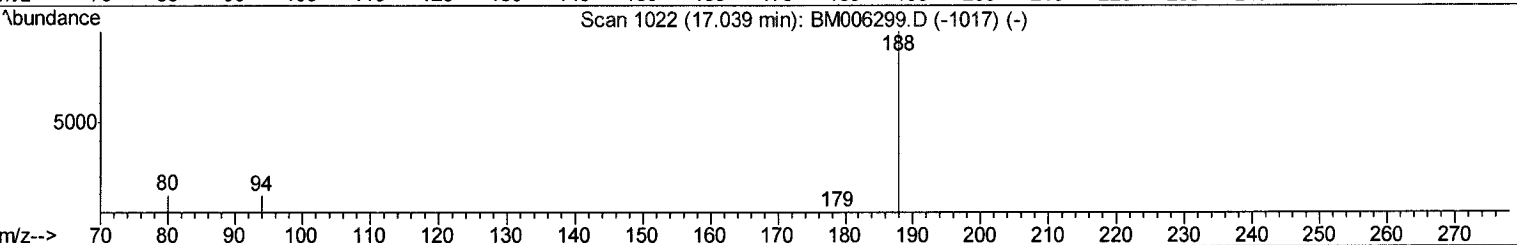
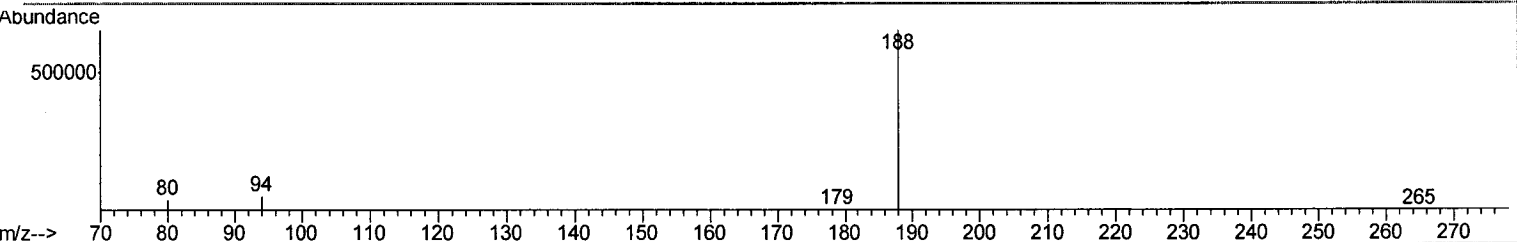
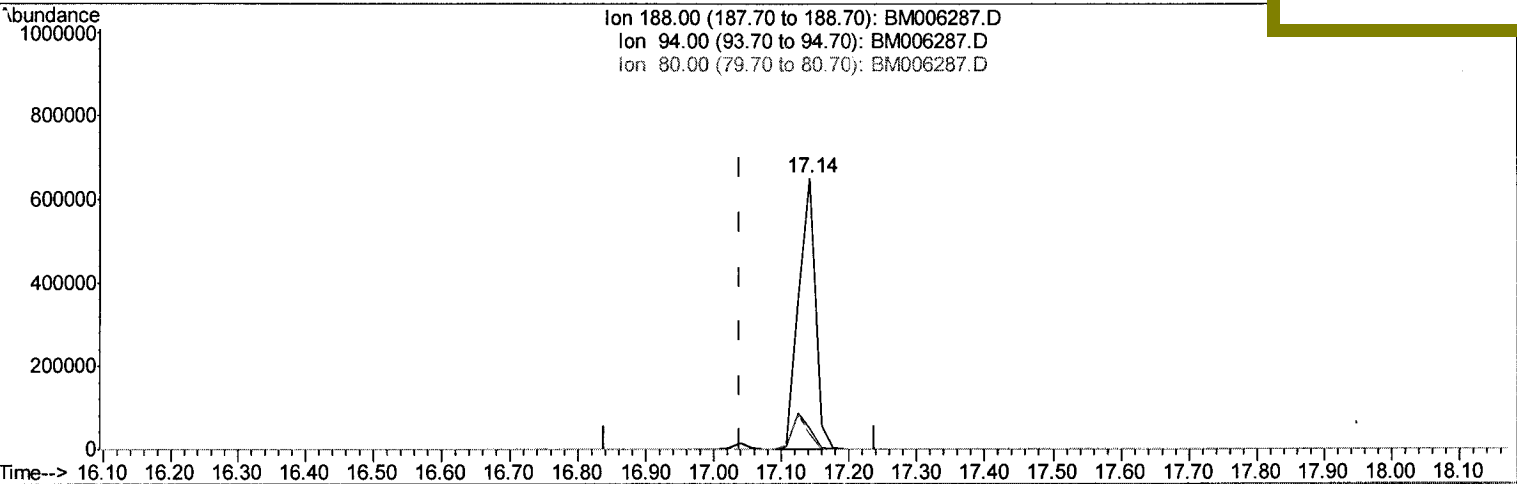
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:36:33 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



TIC: BM006287.D

(12) Phenanthrene-d10 (I)

17.142min (+0.103) 0.40ng/ul

response 1117826

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.57#
80.00	11.90	5.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

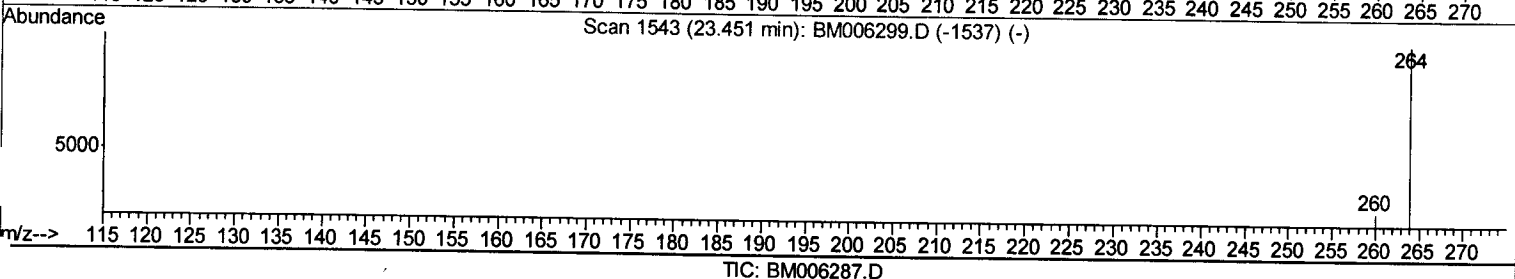
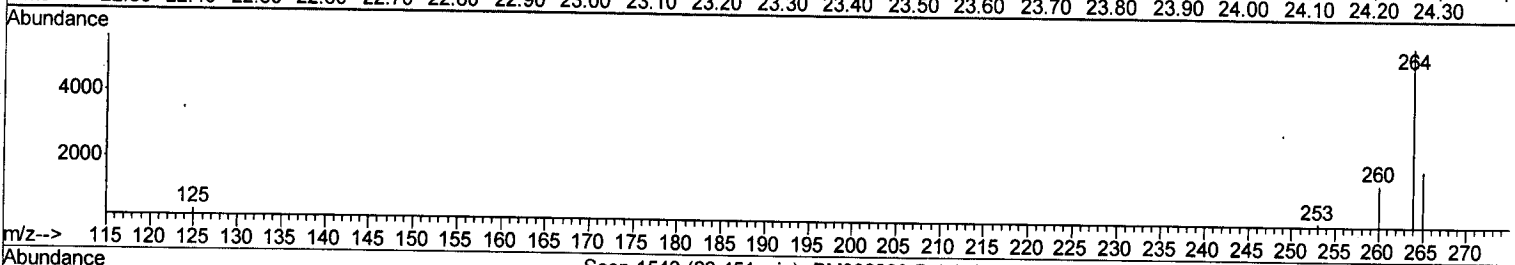
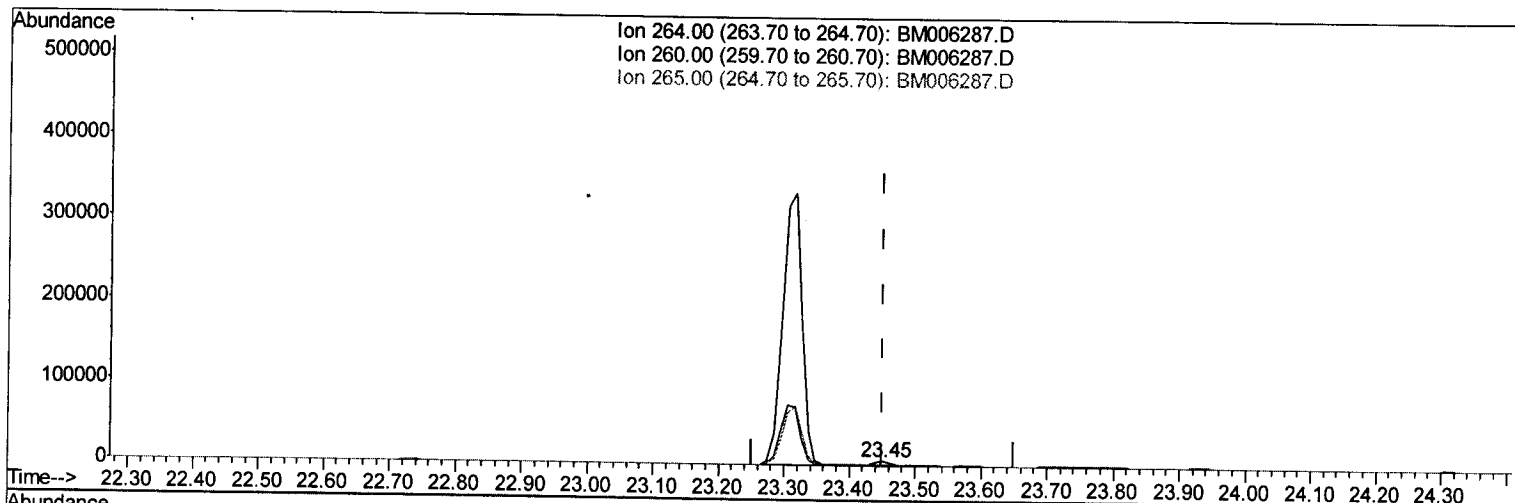
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample Id :
 A4TV1

Manual Integration

Quant Time: Jul 07 10:40:25 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

umangi
 7/7/2016 6:04:30 PM



TIC: BM006287.D

(22) Perylene-d12 (I)

23.451min (+0.000) 0.40ng/ul m

response 9580

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.28
265.00	38.20	34.23
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

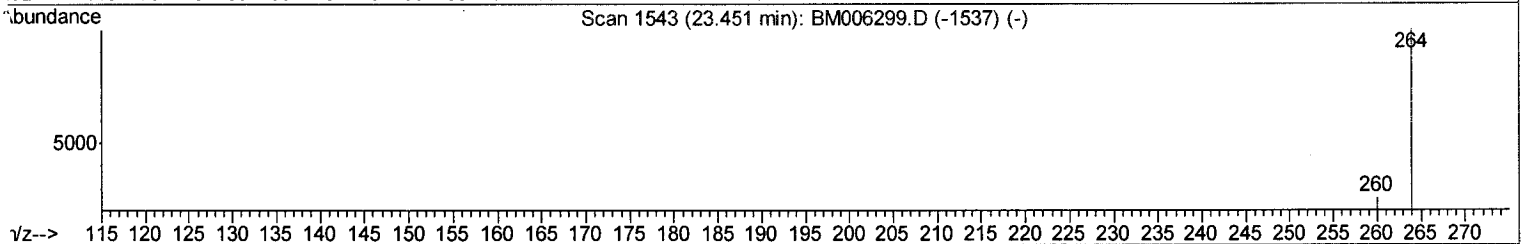
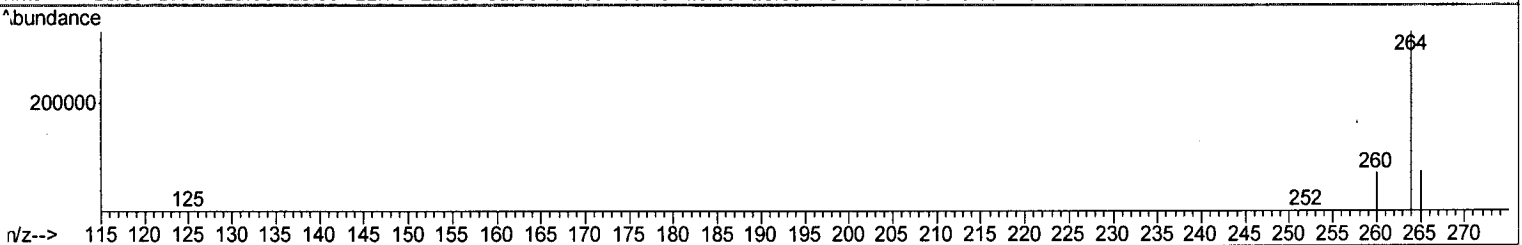
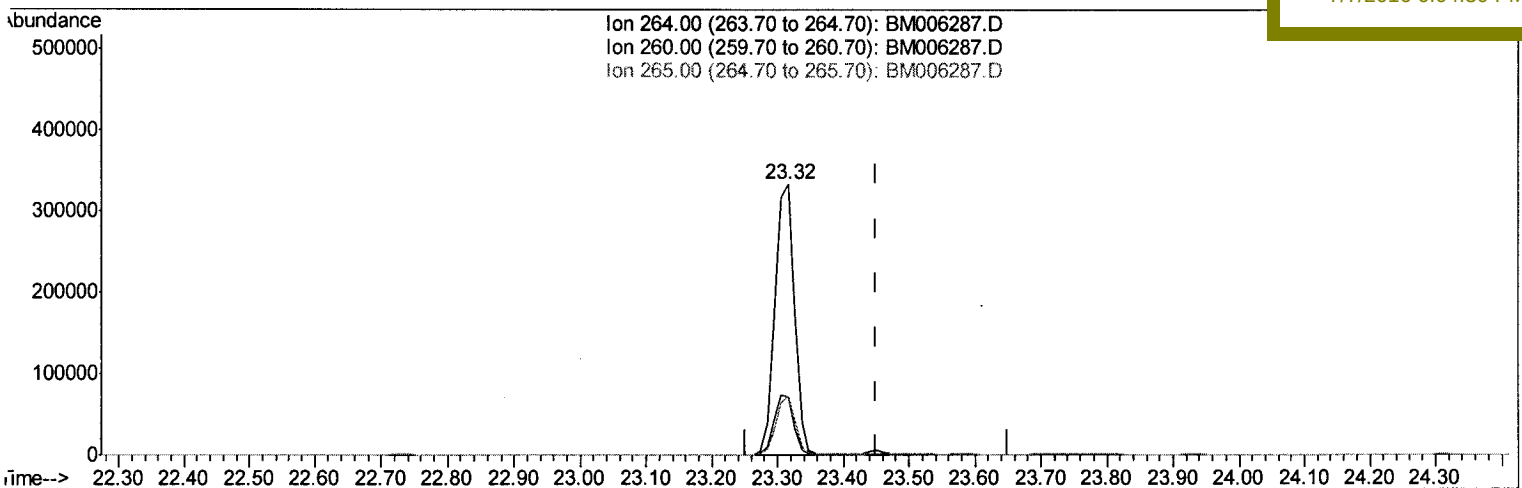
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:40:25 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



TIC: BM006287.D

(22) Perylene-d12 (I)

23.316min (-0.135) 0.40ng/ul

response 666209

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.36
265.00	38.20	22.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

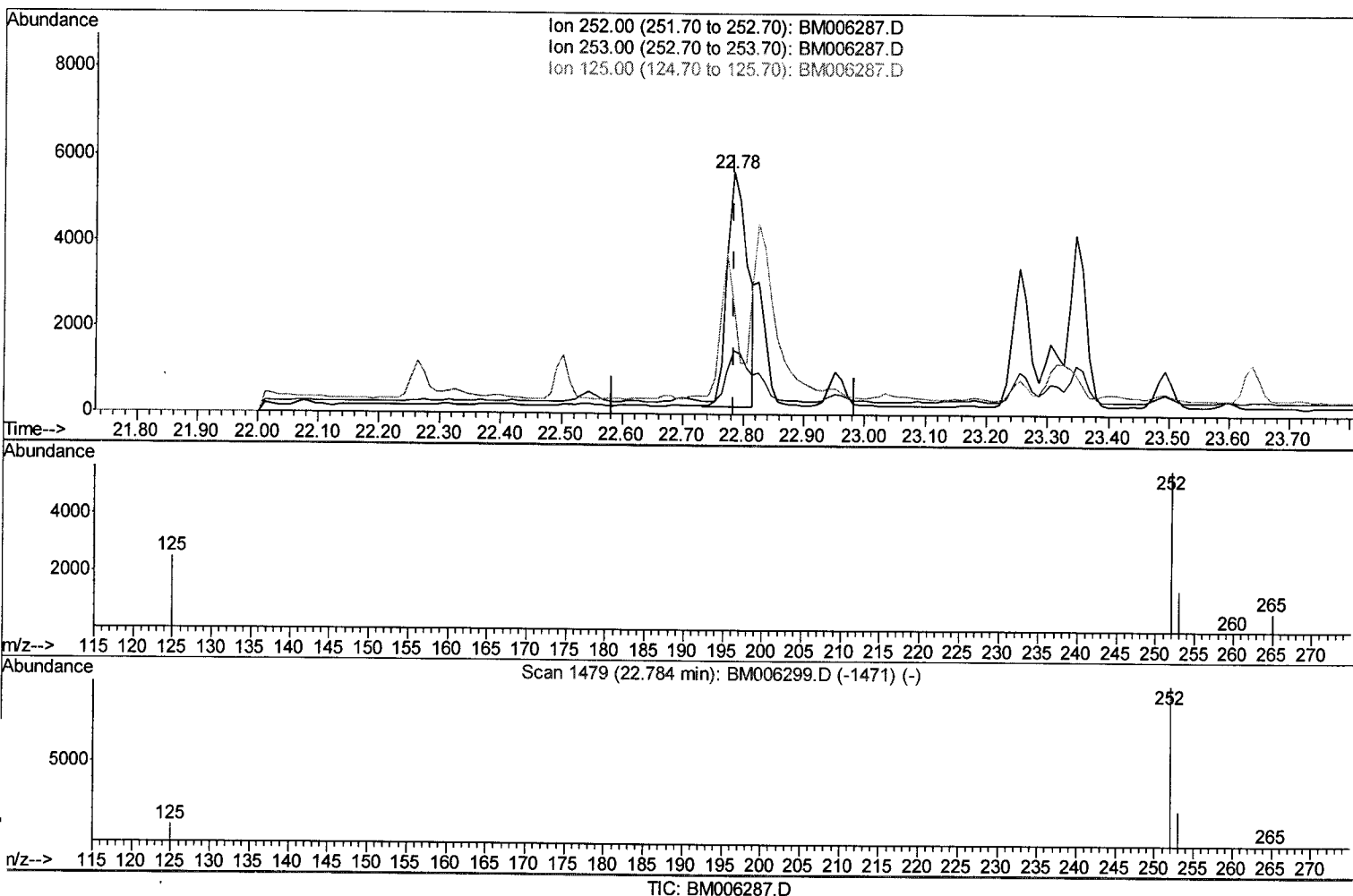
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

Quant Time: Jul 07 10:41:28 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



(23) Benzo(b)fluoranthene

22.784min (+0.000) 0.38ng/ul m U.M
 response 13087 07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.42
125.00	14.40	44.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

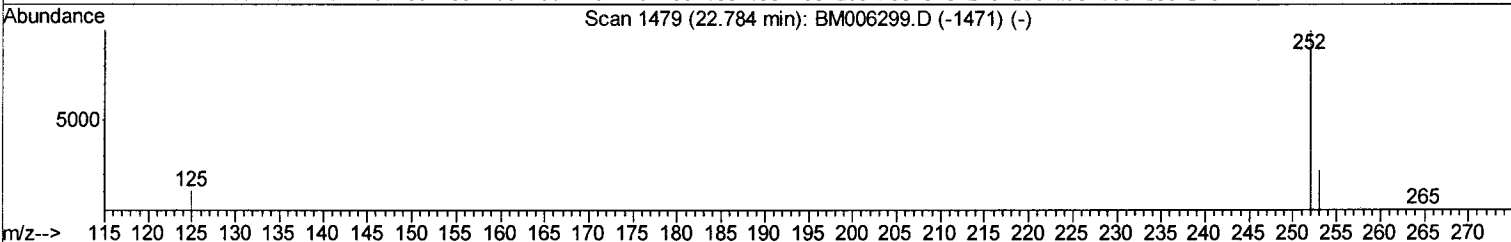
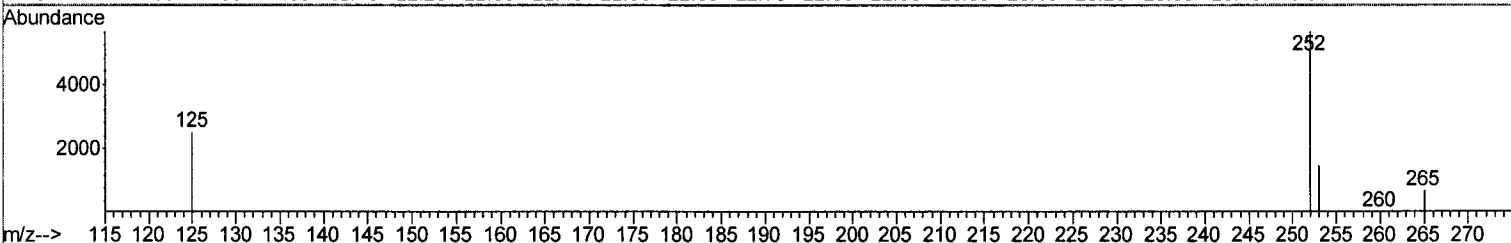
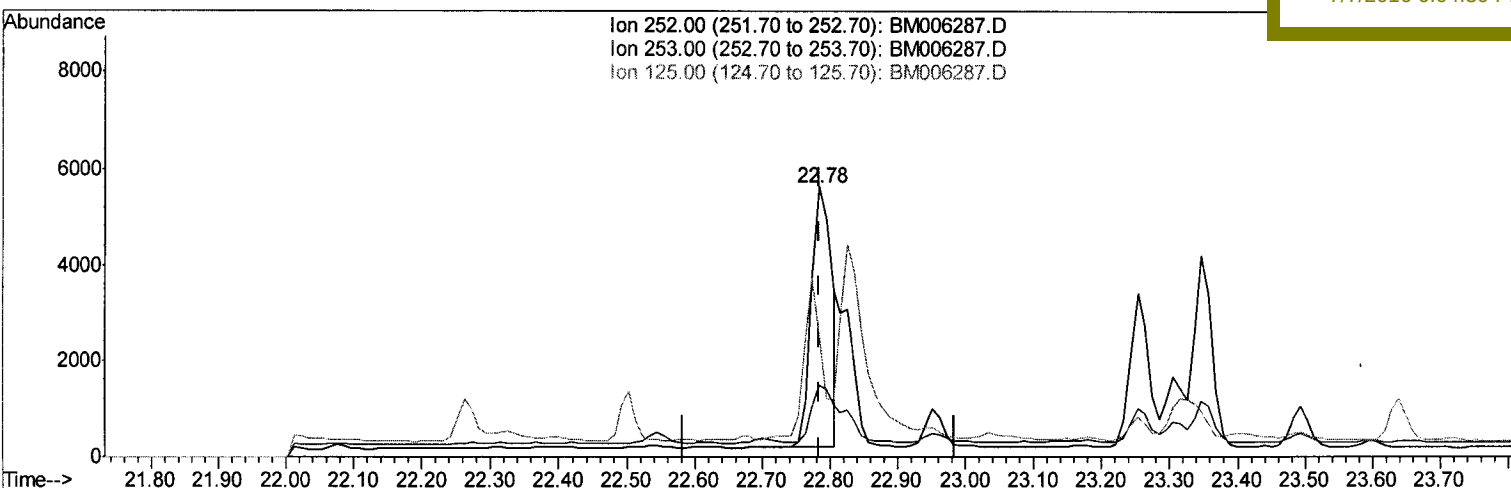
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:41:28 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



TIC: BM006287.D

(23) Benzo(b)fluoranthene

22.784min (+0.000) 0.33ng/ul

response 11264

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.42
125.00	14.40	44.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

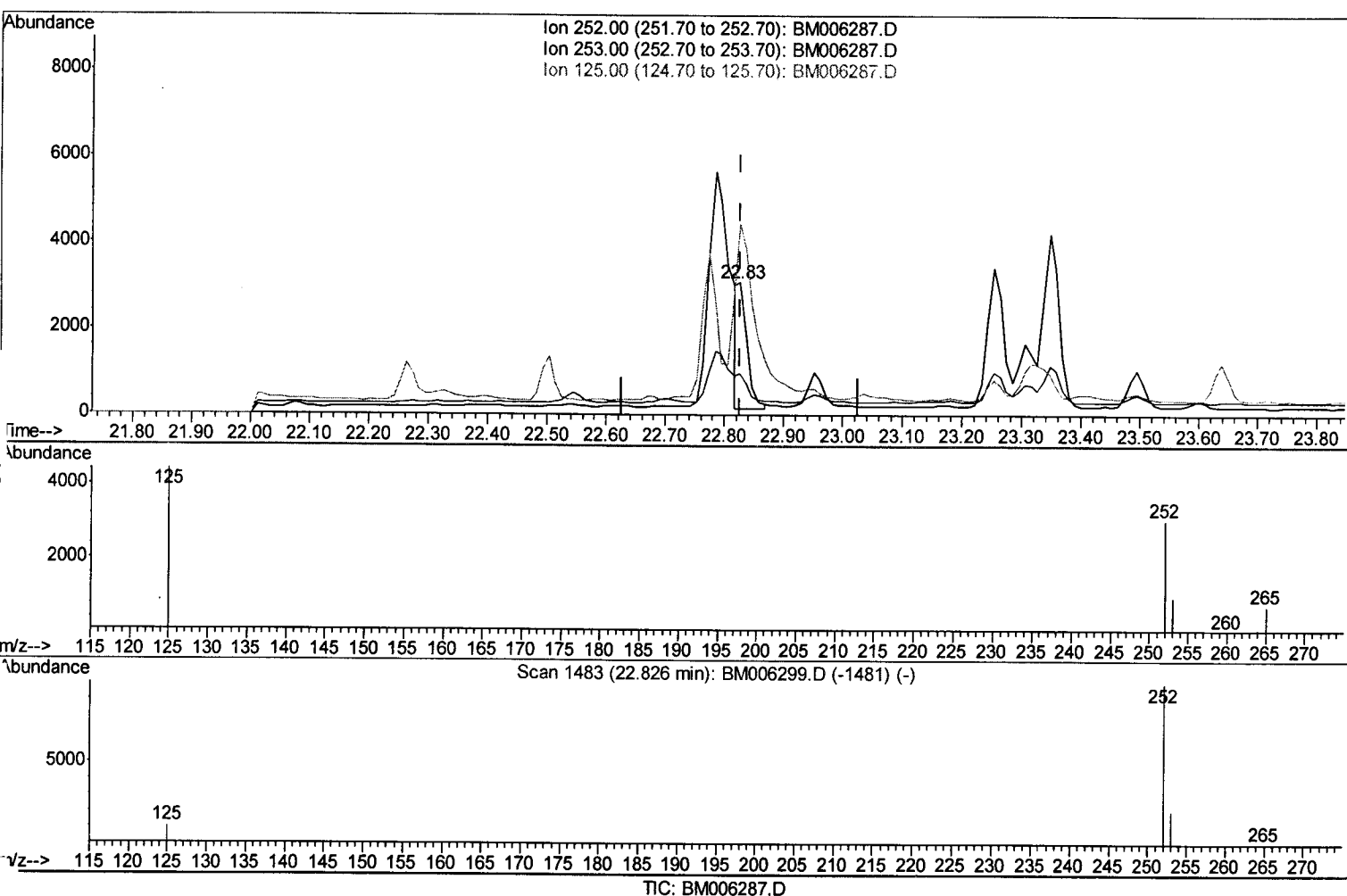
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

umangi
 7/7/2016 6:04:30 PM

Quant Time: Jul 07 10:41:28 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



(24) Benzo(k)fluoranthene

22.826min (+0.000) 0.10ng/ul m

response 3342

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	31.31#
125.00	13.00	144.05#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

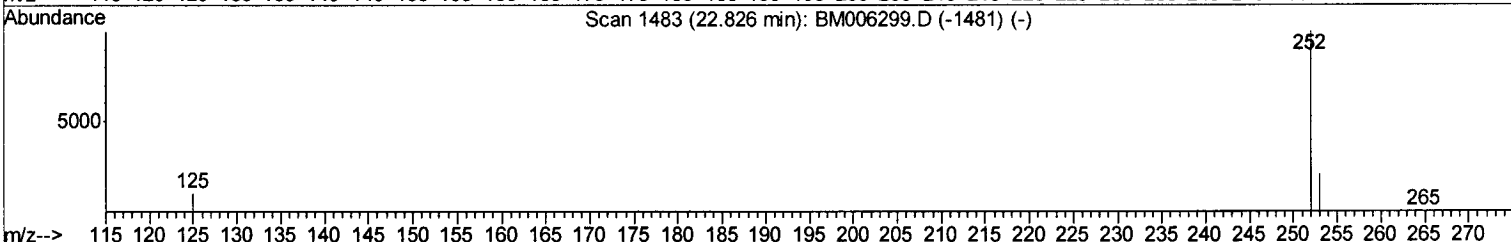
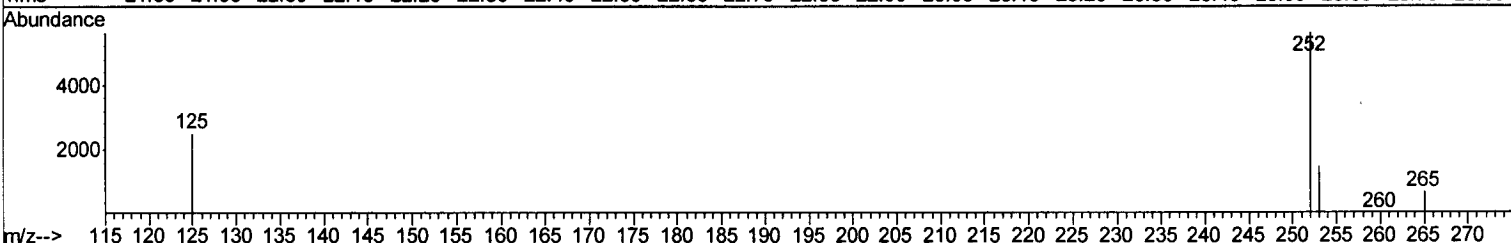
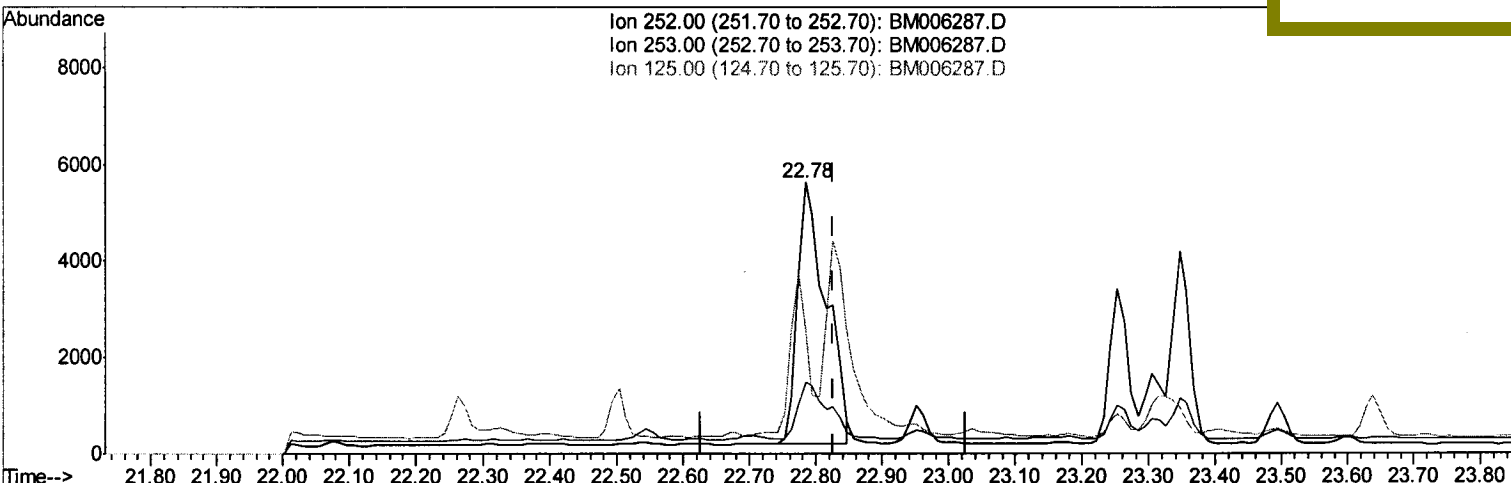
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006287.D
Acq On : 06 Jul 2016 17:49
Operator : UM/SJ
Sample : H3811-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TV1

Quant Time: Jul 07 10:41:28 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

APPROVED
umangi
7/7/2016 6:04:30 PM



TIC: BM006287.D

(24) Benzo(k)fluoranthene

22.784min (-0.042) 0.51ng/ul

response 16150

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	26.42
125.00	13.00	44.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

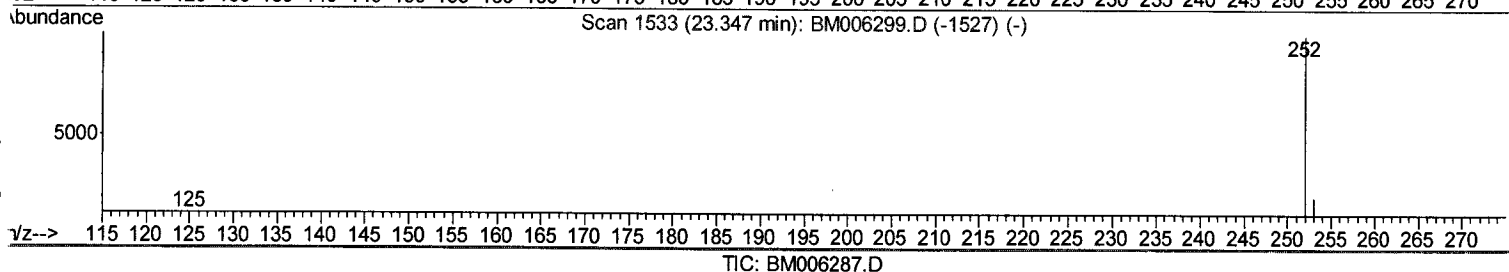
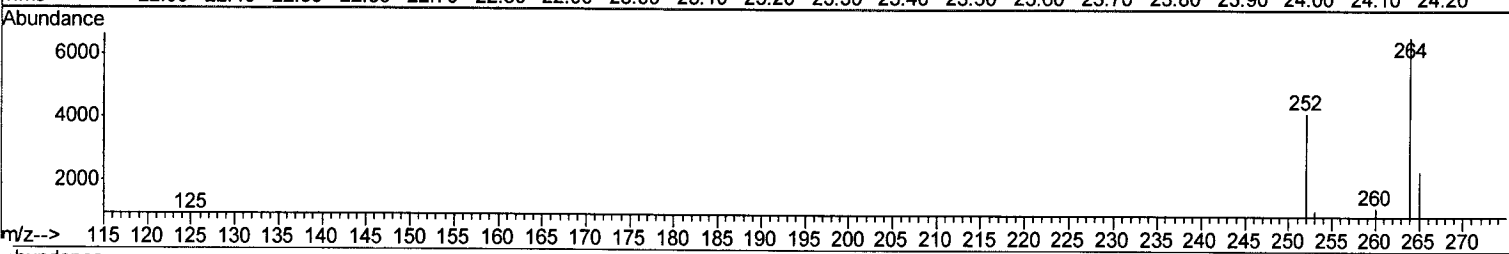
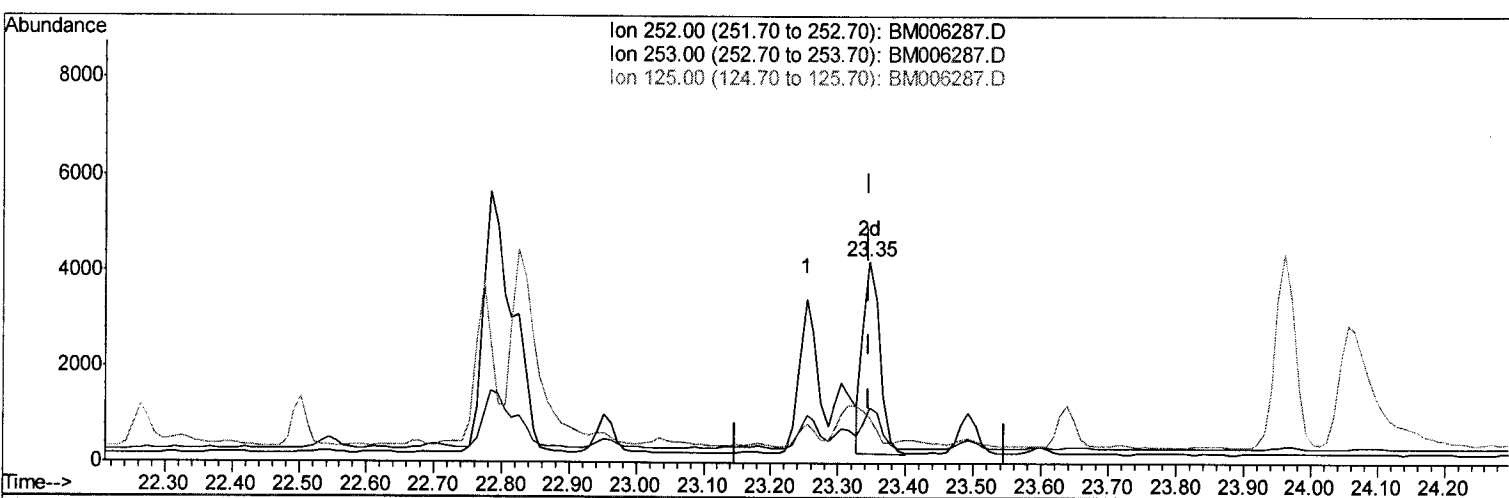
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

Quant Time: Jul 07 10:41:28 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



(25) Benzo(a)pyrene (C)

23.347min (+0.000) 0.22ng/ul m U.M

response 7006

07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	27.58
125.00	15.90	22.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

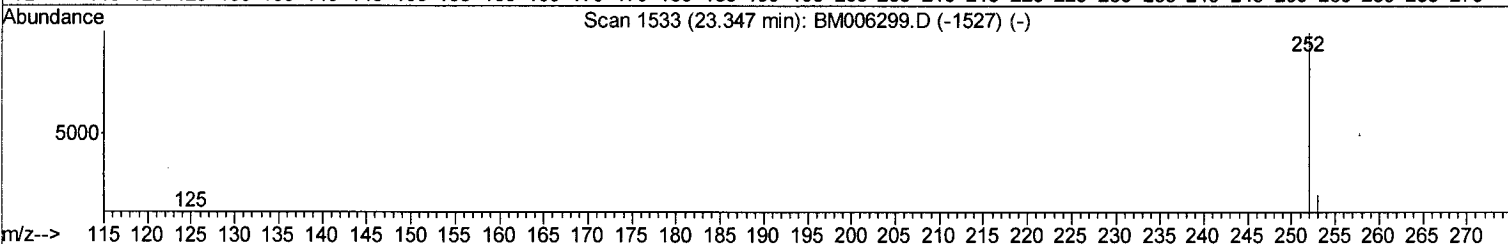
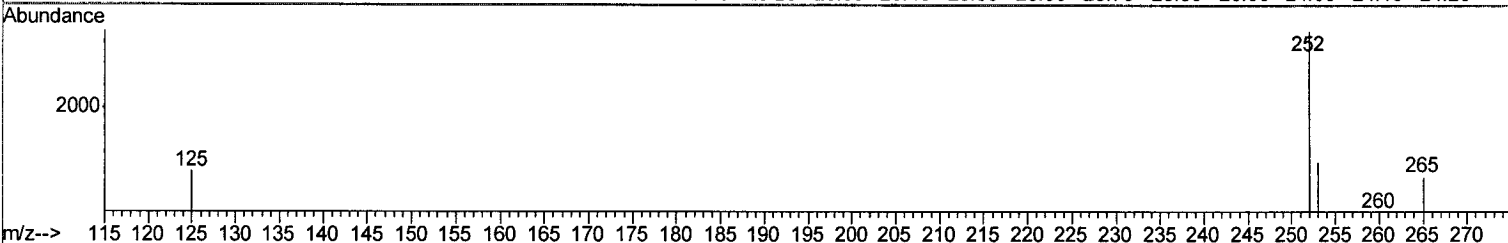
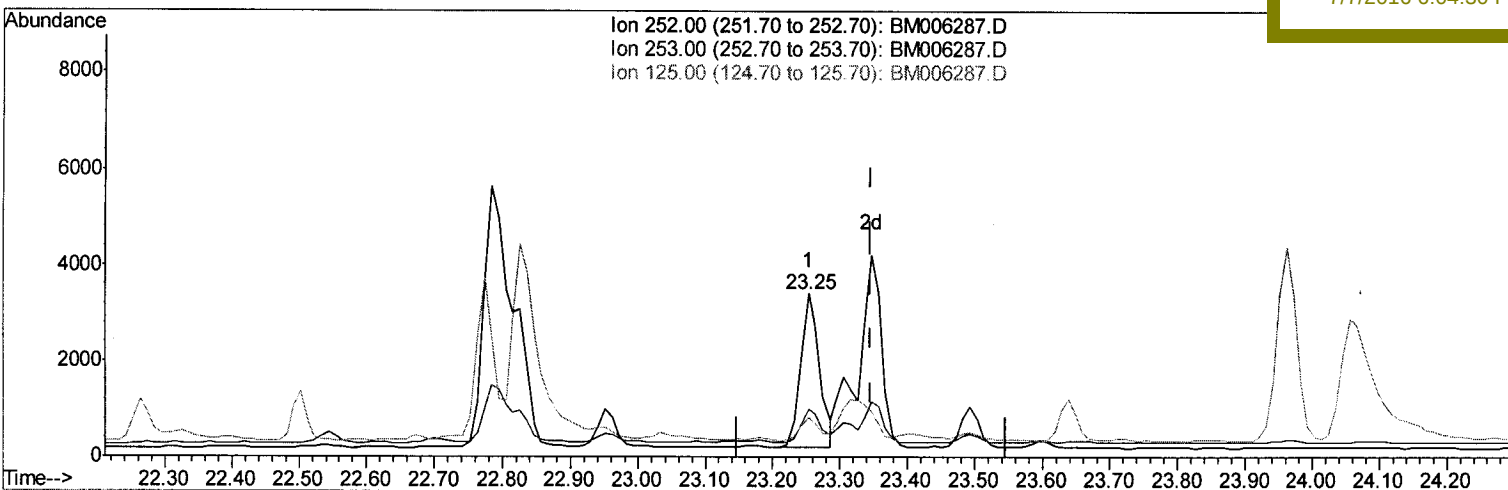
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:41:28 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



TIC: BM006287.D

(25) Benzo(a)pyrene (C)

23.253min (-0.094) 0.19ng/ul

response 6171

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	29.22#
125.00	15.90	24.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

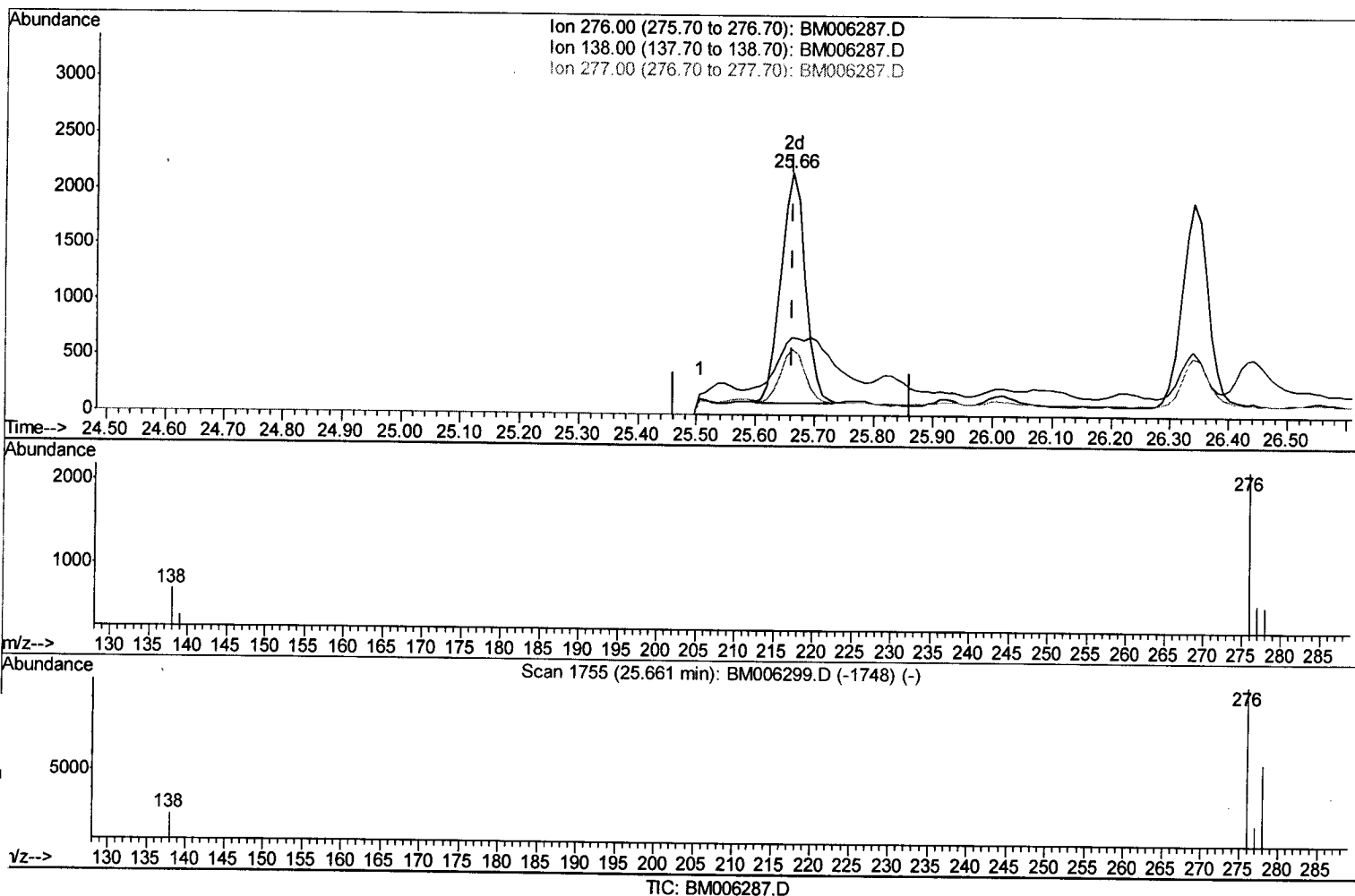
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

APPROVED
 umangi
 7/7/2016 6:04:30 PM

Quant Time: Jul 07 10:41:28 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



(26) Indeno(1,2,3-cd)pyrene

25.661min (+0.000) 0.17ng/ul m

response 5896

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	0.00#
277.00	24.80	6.16#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

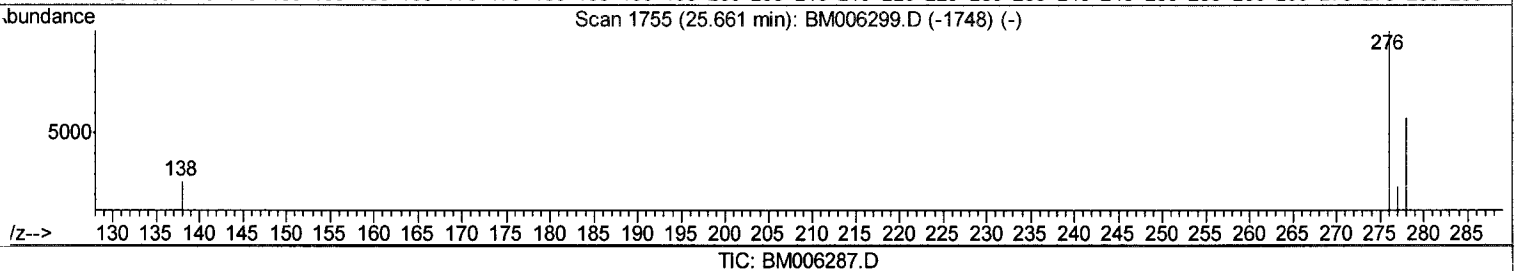
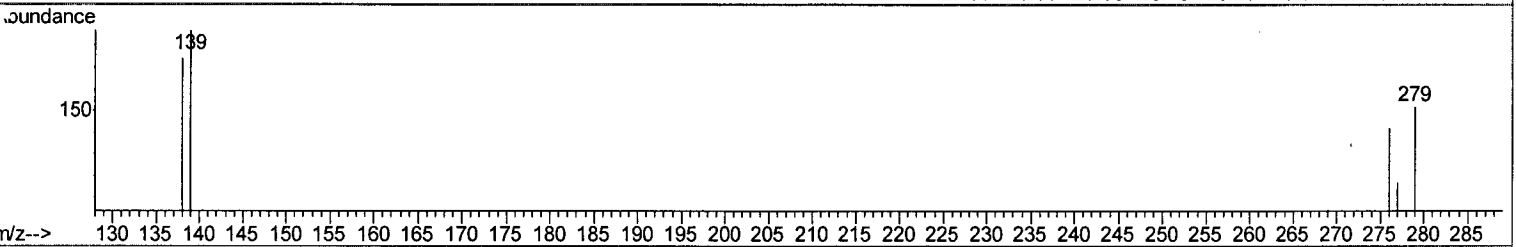
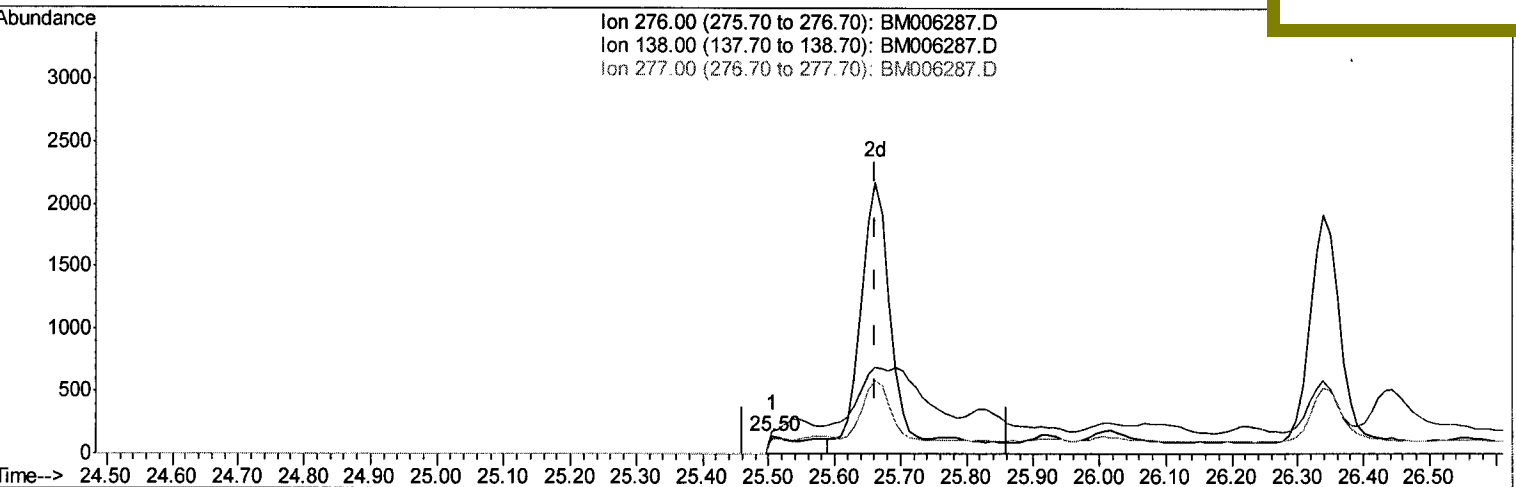
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:41:28 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

umangi
 7/7/2016 6:04:30 PM



(26) Indeno(1,2,3-cd)pyrene

25.505min (-0.156) 0.02ng/ul

response 654

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	0.00#
277.00	24.80	55.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

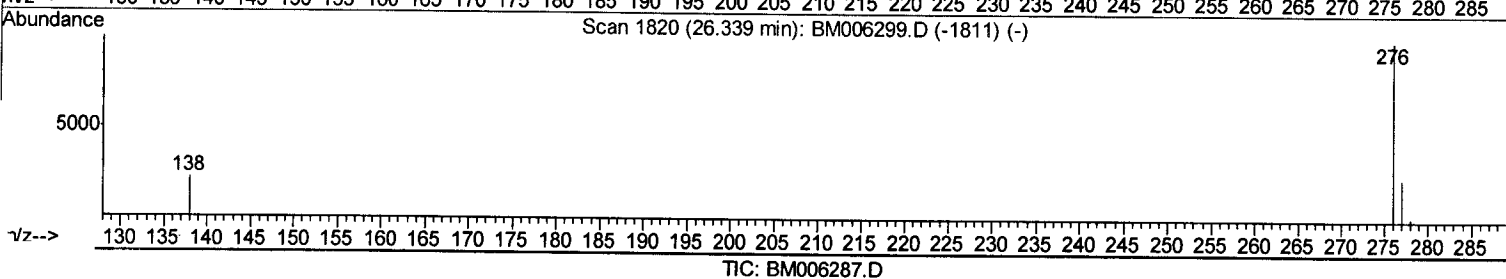
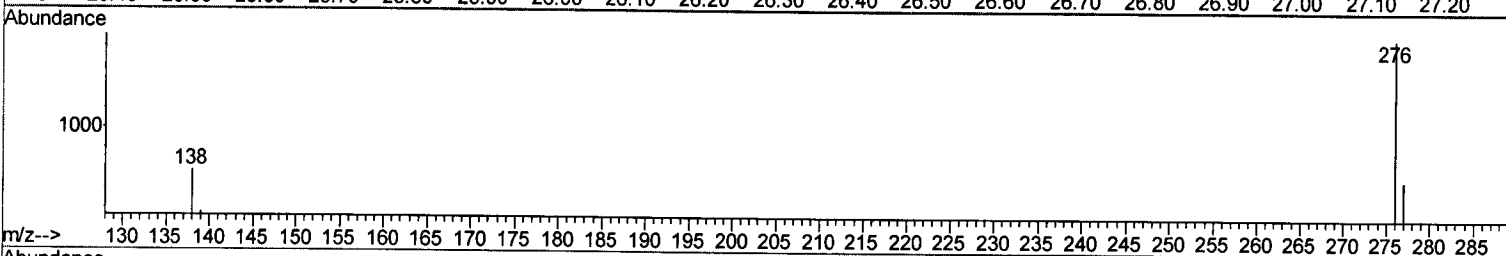
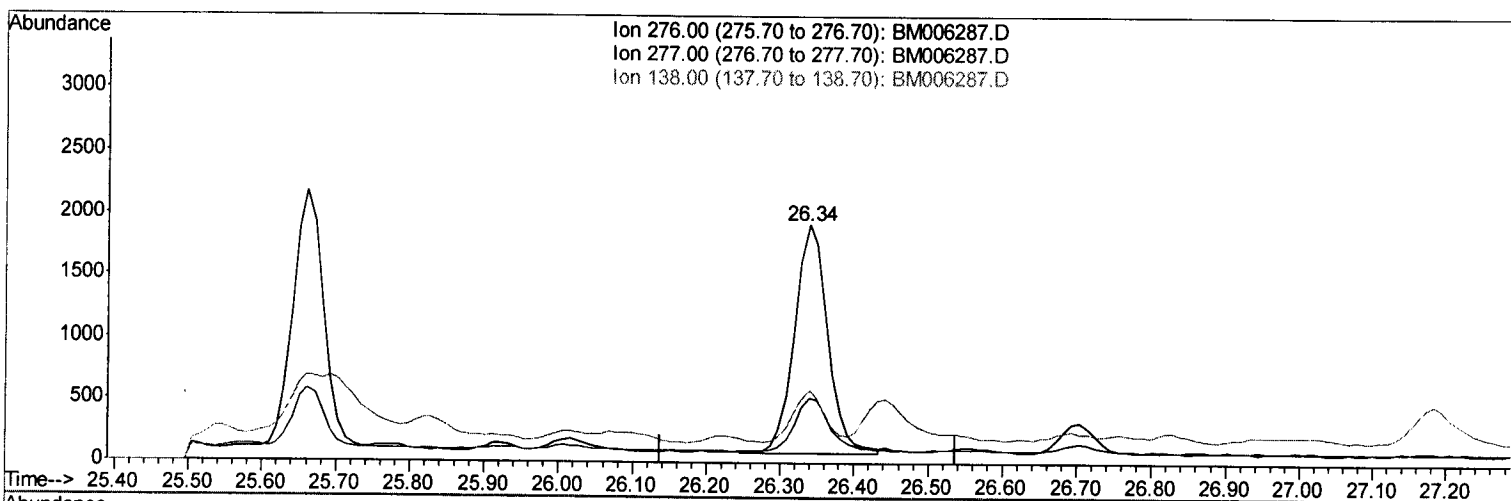
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Manual Integration

Quant Time: Jul 07 10:41:28 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

umangi
 7/7/2016 6:04:30 PM



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

26.339min (+0.000) 0.19ng/ul m U.M

response 5737

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	27.59
138.00	28.10	30.25
0.00	0.00	0.00

07/11/16

Quantitation Report (Qedit)

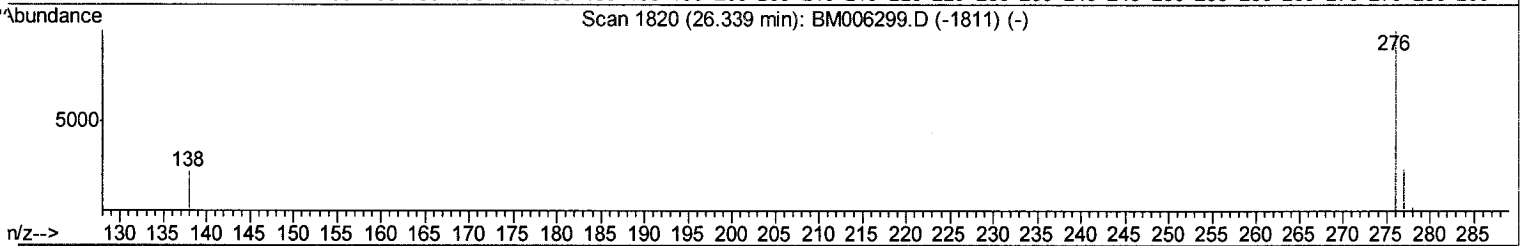
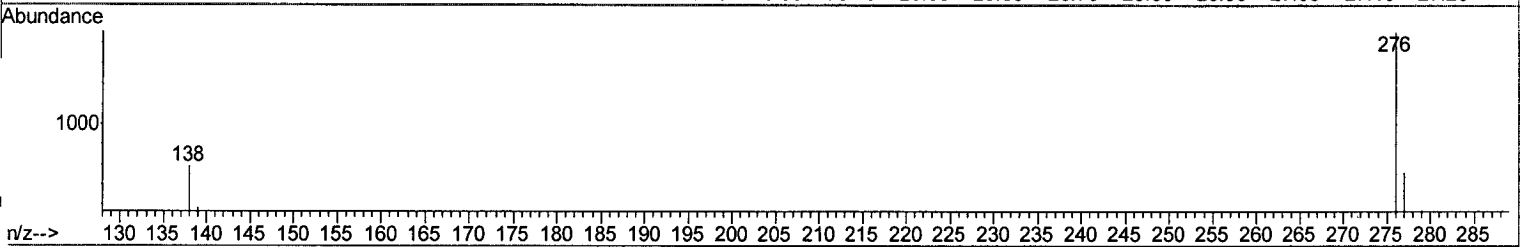
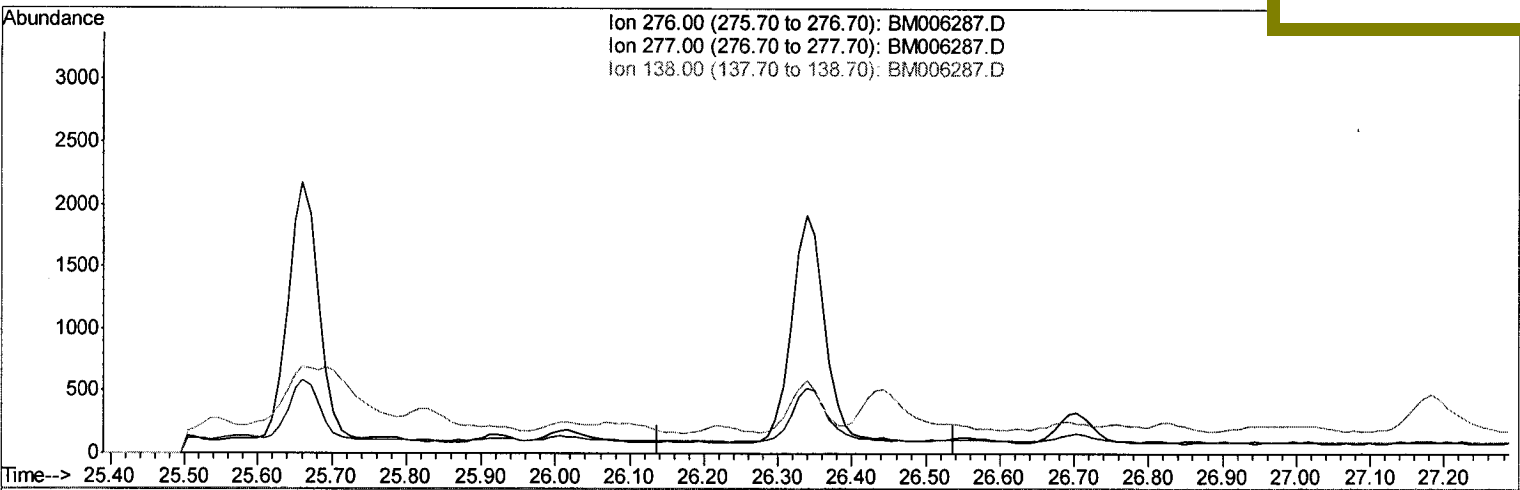
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:41:28 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

APPROVED
 umangi
 7/7/2016 6:04:30 PM



TIC: BM006287.D

(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 : BM006287.D
 Acq On : 06 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H3811-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV1

Quant Time: Jul 07 10:44:44 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

umangi
 7/7/2016 6:04:30 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3828	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	15280	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	9051	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	19146m	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	12795	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	9580m	0.40	ng/ul	0.00

U.M
 07/11/16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	8749	5.41	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6675	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	13542	0.34	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	1209	0.03	ng/ul#	80
7) 2-Methylnaphthalene	12.09	142	679	0.03	ng/ul	98
9) Acenaphthylene	14.01	152	1119	0.04	ng/ul#	88
17) Fluoranthene	19.11	202	21466	0.37	ng/ul	95
19) Pyrene	19.47	202	20858	0.39	ng/ul	96
20) Benzo(a)anthracene	21.22	228	7617	0.18	ng/ul#	92
21) Chrysene	21.27	228	9786	0.24	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	13087m	0.38	ng/ul	
24) Benzo(k)fluoranthene	22.83	252	3342m	0.10	ng/ul	
25) Benzo(a)pyrene	23.35	252	7006m	0.22	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.66	276	5896m	0.17	ng/ul	
28) Benzo(g,h,i)perylene	26.34	276	5737m	0.19	ng/ul	

U.M
 07/11/16

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