

Quantitation Report (QT Reviewed)

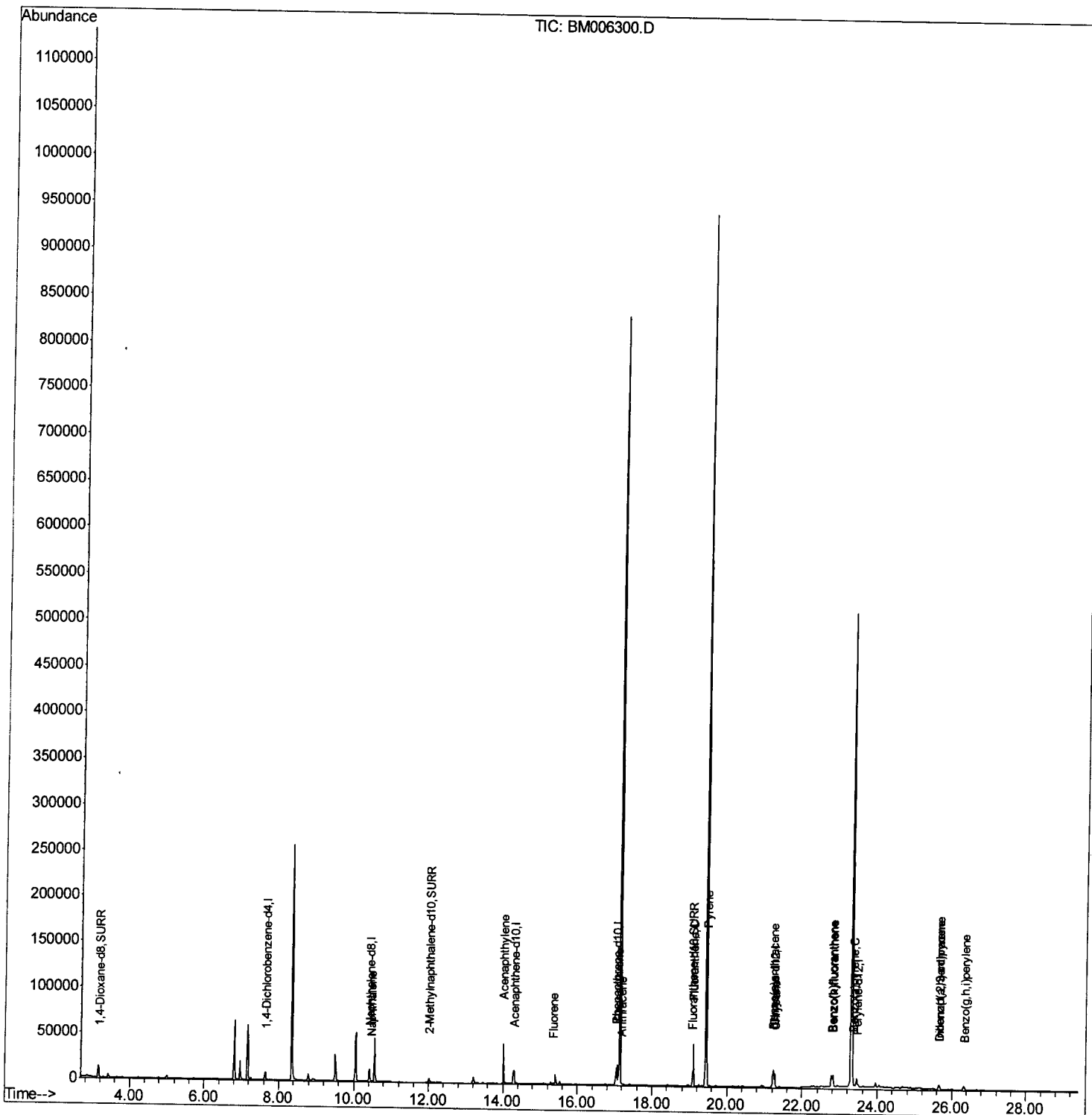
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

umangi
 7/7/2016 6:06:23 PM

Quant Time: Jul 07 11:45:18 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



Quantitation Report (Qedit)

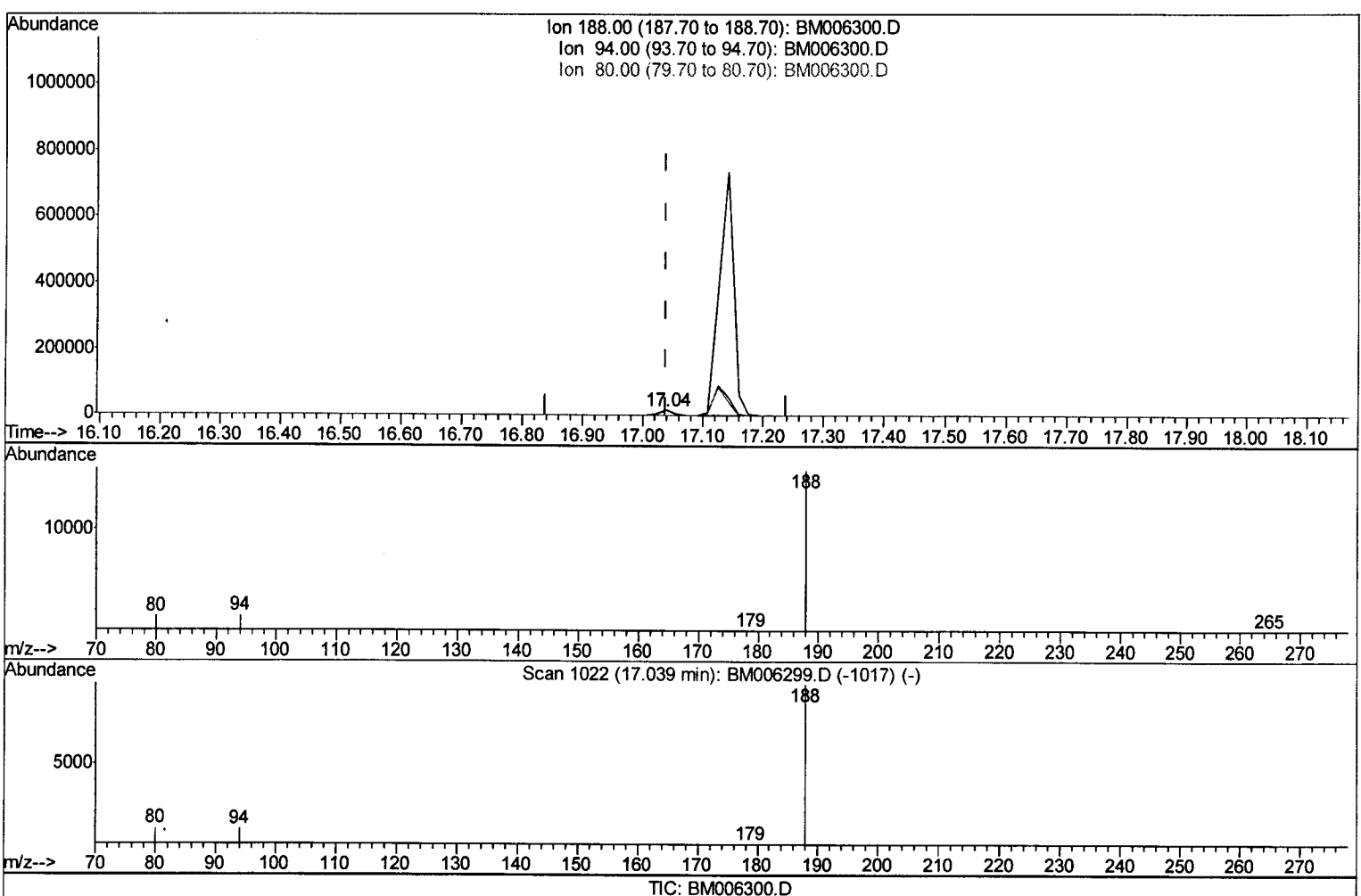
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4TW1

Manual Integration

Quant Time: Jul 07 11:41:22 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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TIC: BM006300.D

(12) Phenanthrene-d10 (I)

17.039min (-0.000) 0.40ng/ul m

response 23653

U.M
 07/11/16

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	9.20#
80.00	11.90	9.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

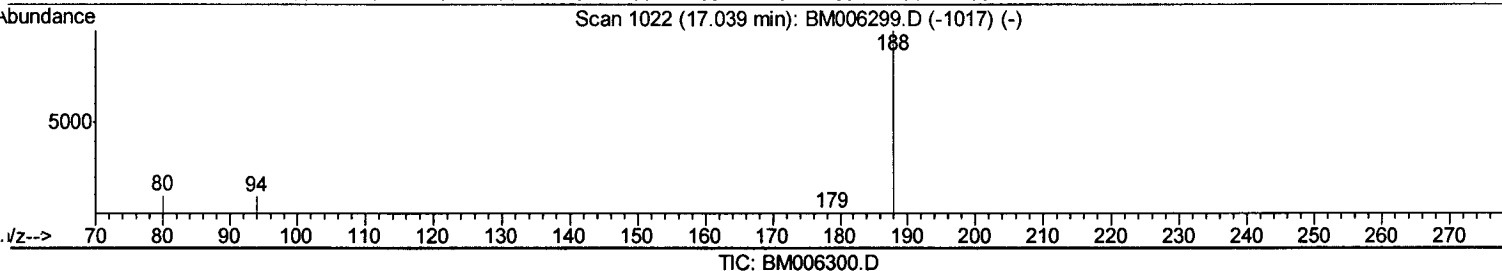
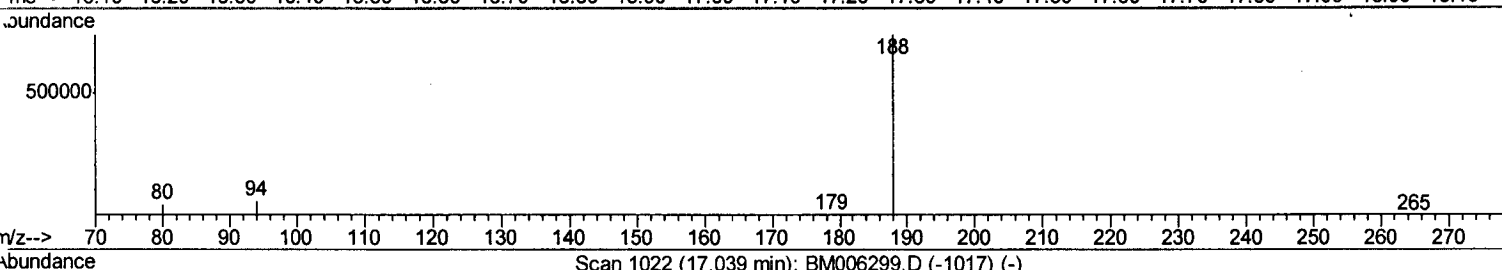
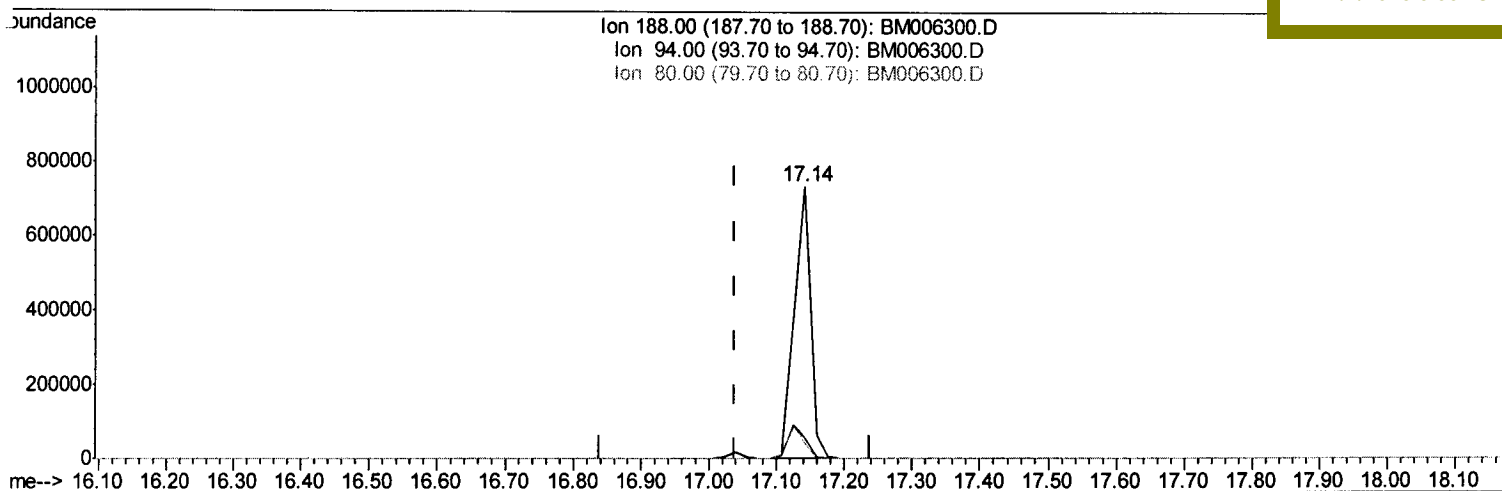
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006300.D
Acq On : 07 Jul 2016 02:17
Operator : UM/SJ
Sample : H3811-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TW1

Quant Time: Jul 07 11:41:22 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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Manual Integration

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(12) Phenanthrene-d10 (I)

17.142min (+0.103) 0.40ng/ul

response 1222779

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.59#
80.00	11.90	5.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

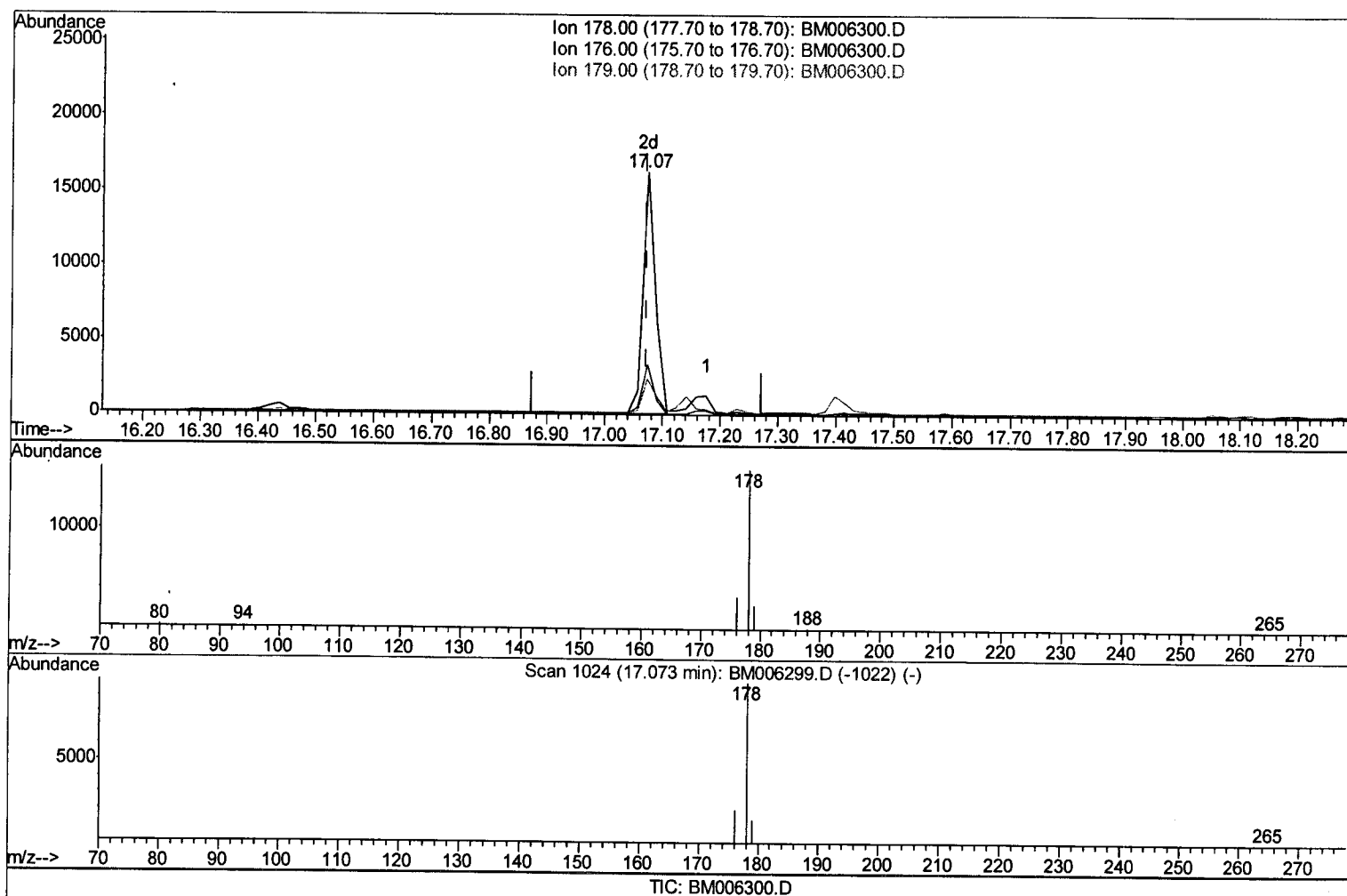
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

Quant Time: Jul 07 11:42:00 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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(14) Phenanthrene

17.073min (-0.000) 0.38ng/ul m U.M

response 24811

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.73#
179.00	17.70	15.11
0.00	0.00	0.00

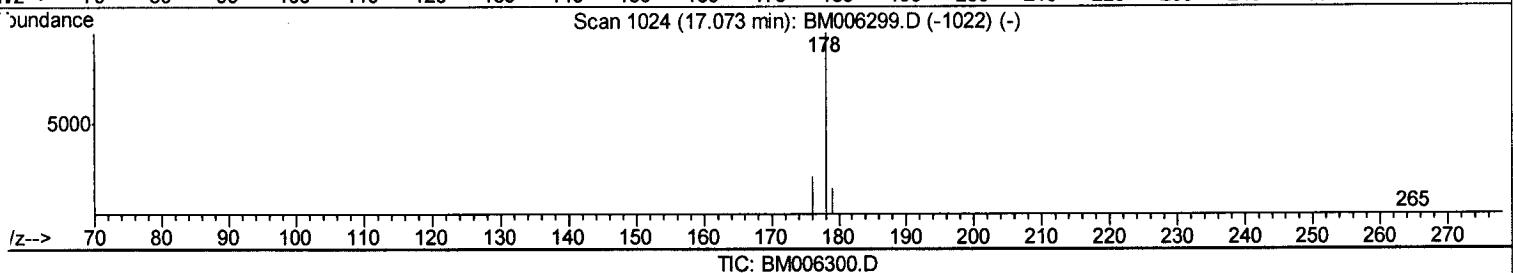
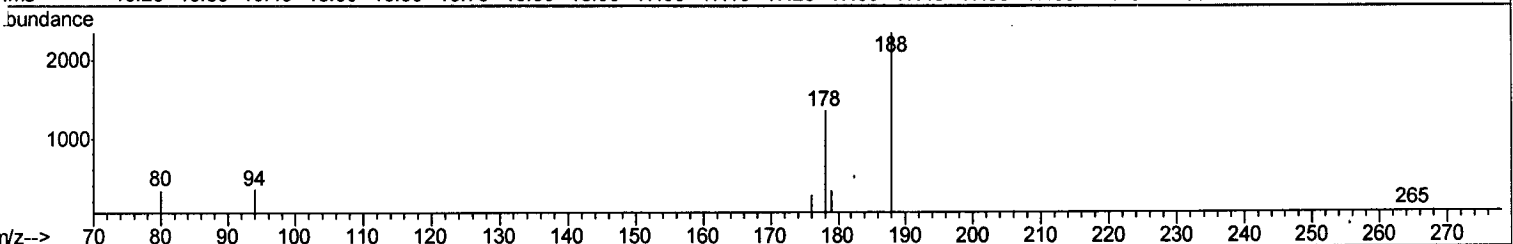
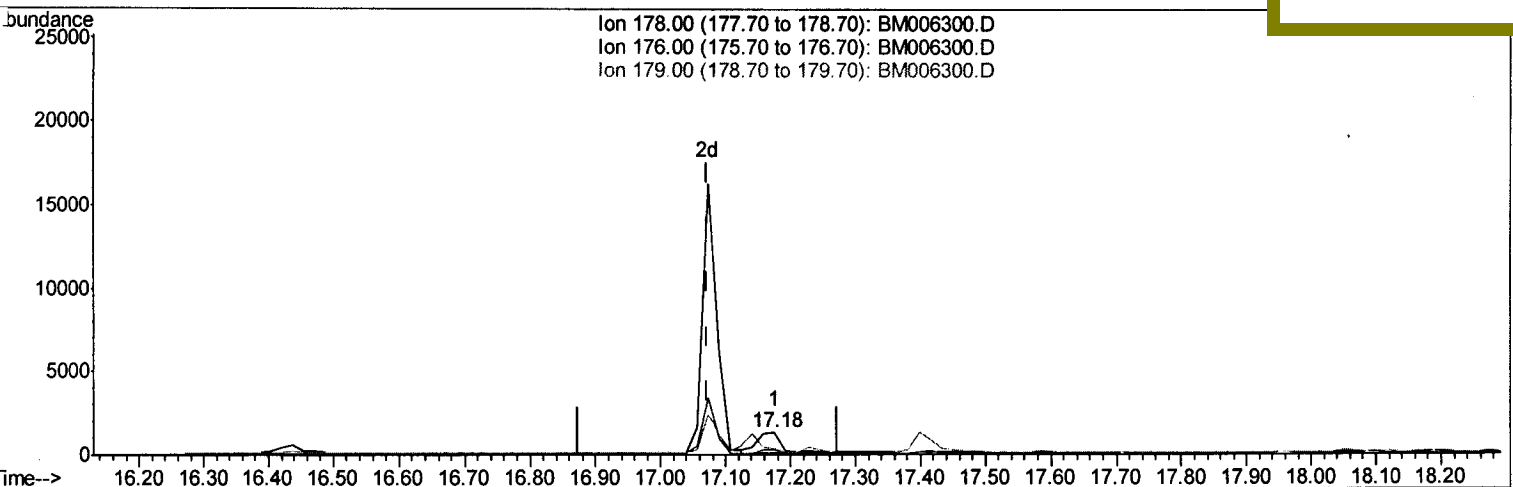
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006300.D
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Operator : UM/SJ
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TIC: BM006300.D

(14) Phenanthrene

17.176min (+0.103) 0.05ng/ul

response 3018

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.10#
179.00	17.70	25.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

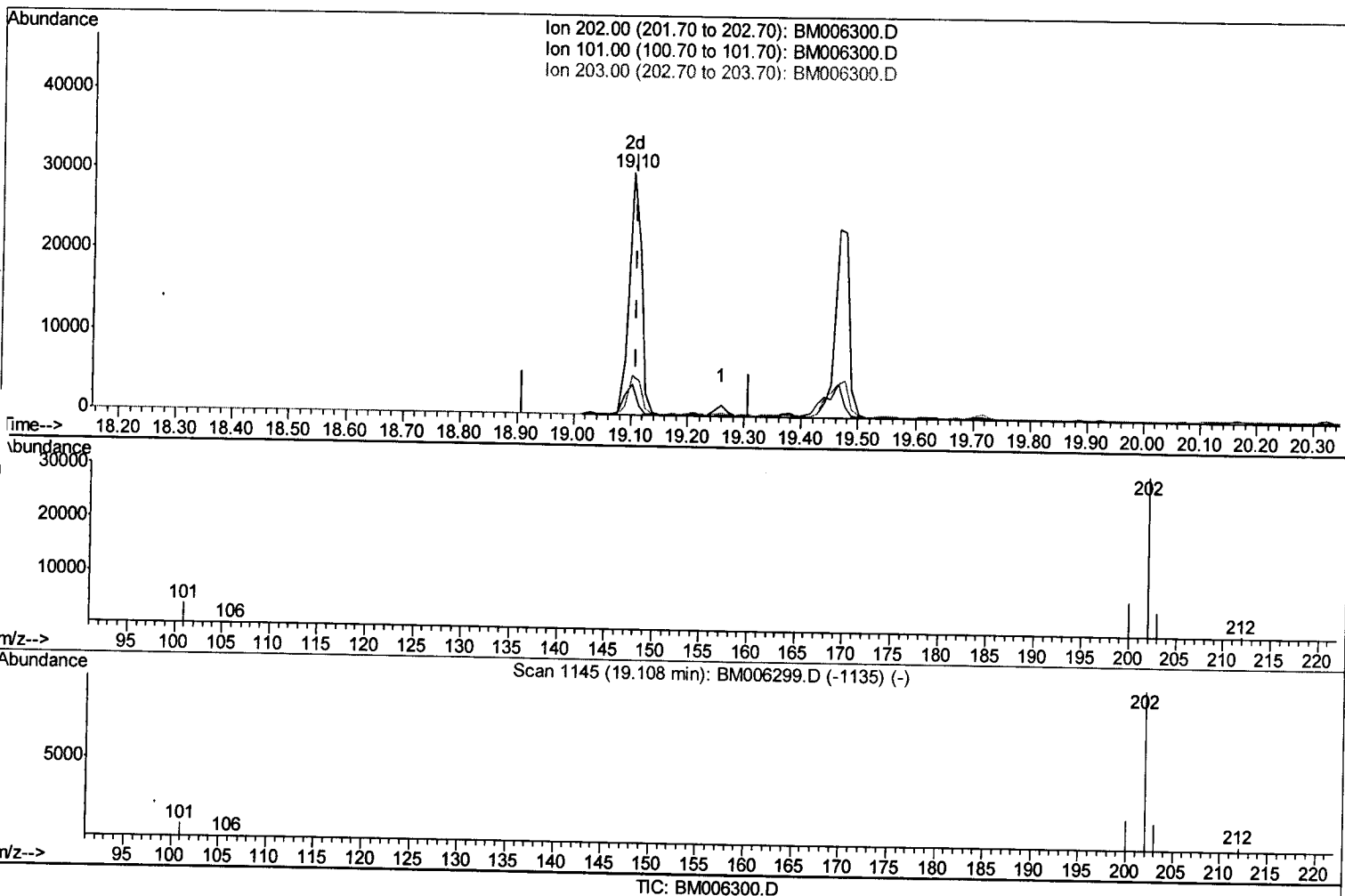
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
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 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(17) Fluoranthene (C)

19.101min (-0.007) 0.61ng/ul m U.M
 response 43930 27/11/16

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	12.64
203.00	16.30	16.29
0.00	0.00	0.00

Quantitation Report (Qedit)

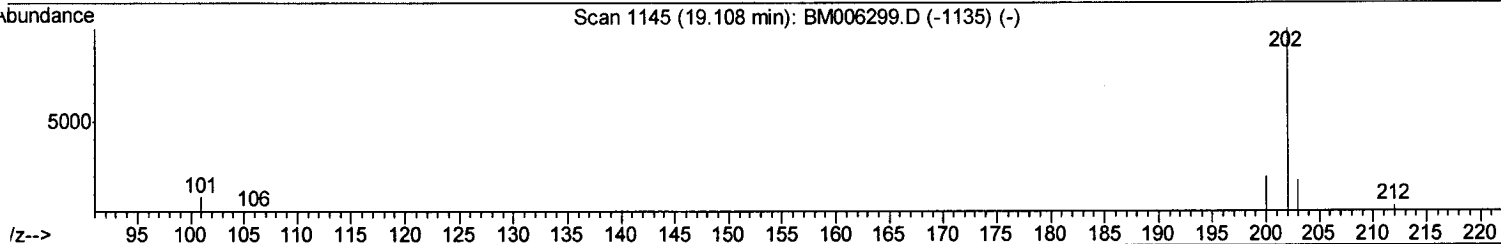
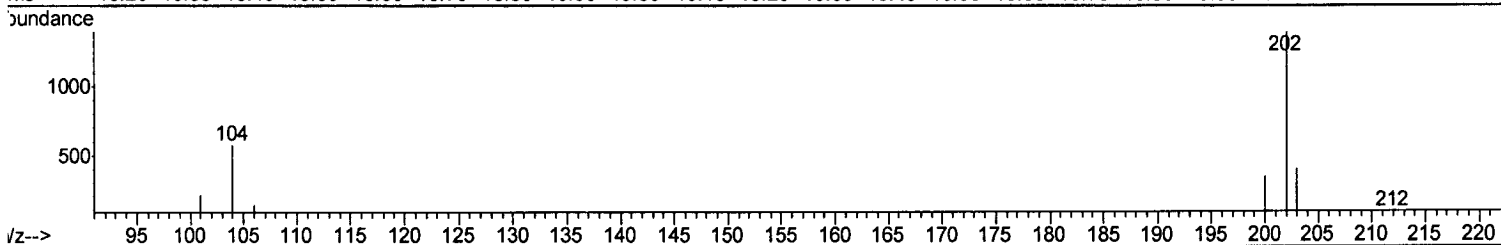
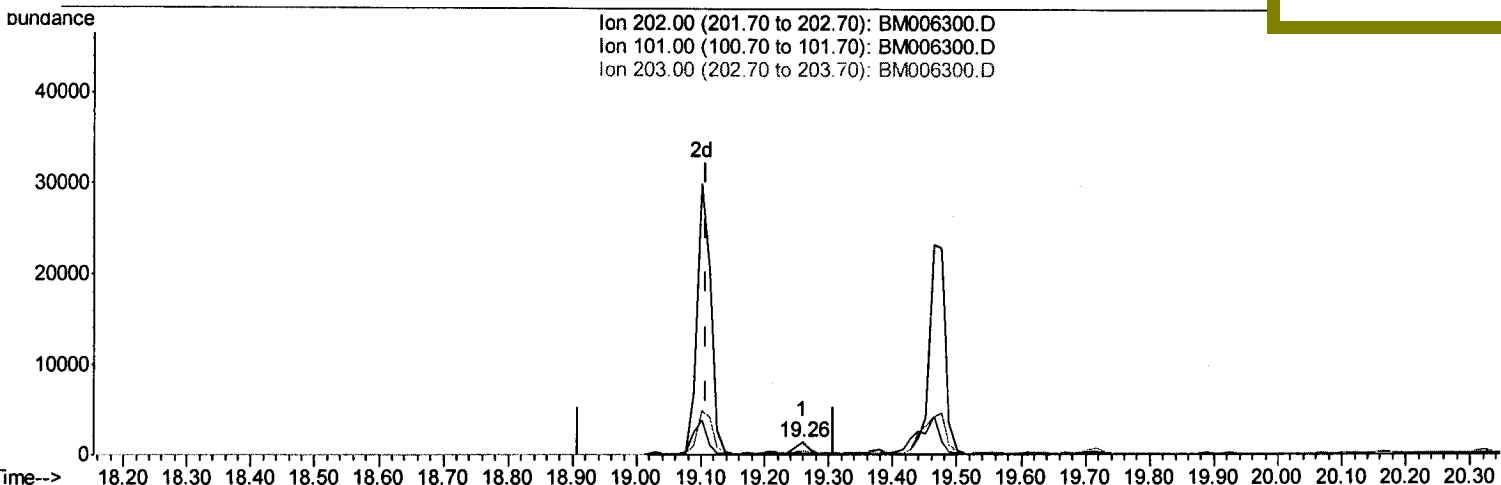
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrati

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TIC: BM006300.D

(17) Fluoranthene (C)

19.258min (+0.150) 0.02ng/ul

response 1766

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	14.75
203.00	16.30	28.44
0.00	0.00	0.00

Quantitation Report (Qedit)

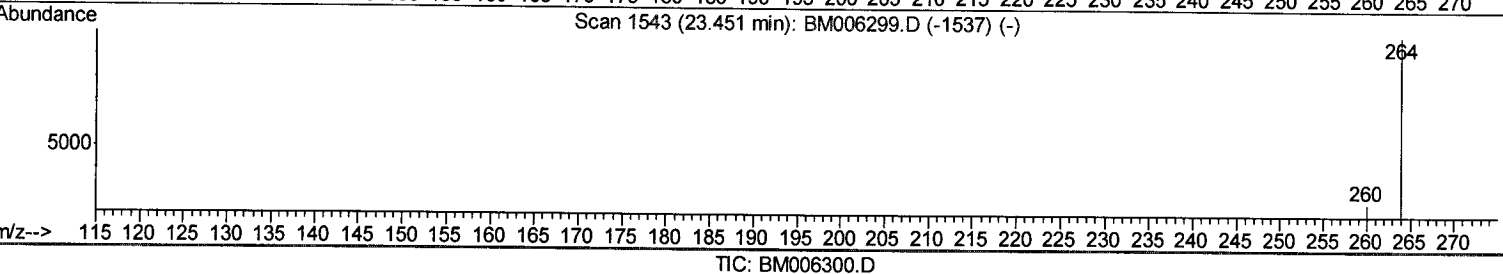
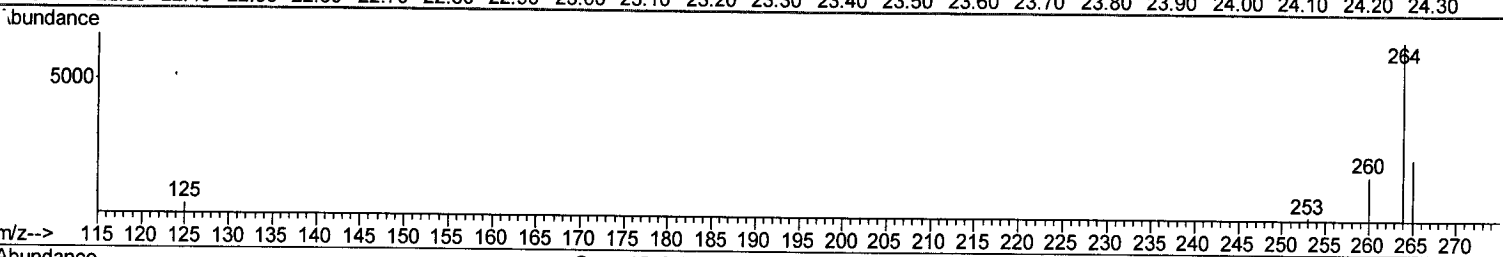
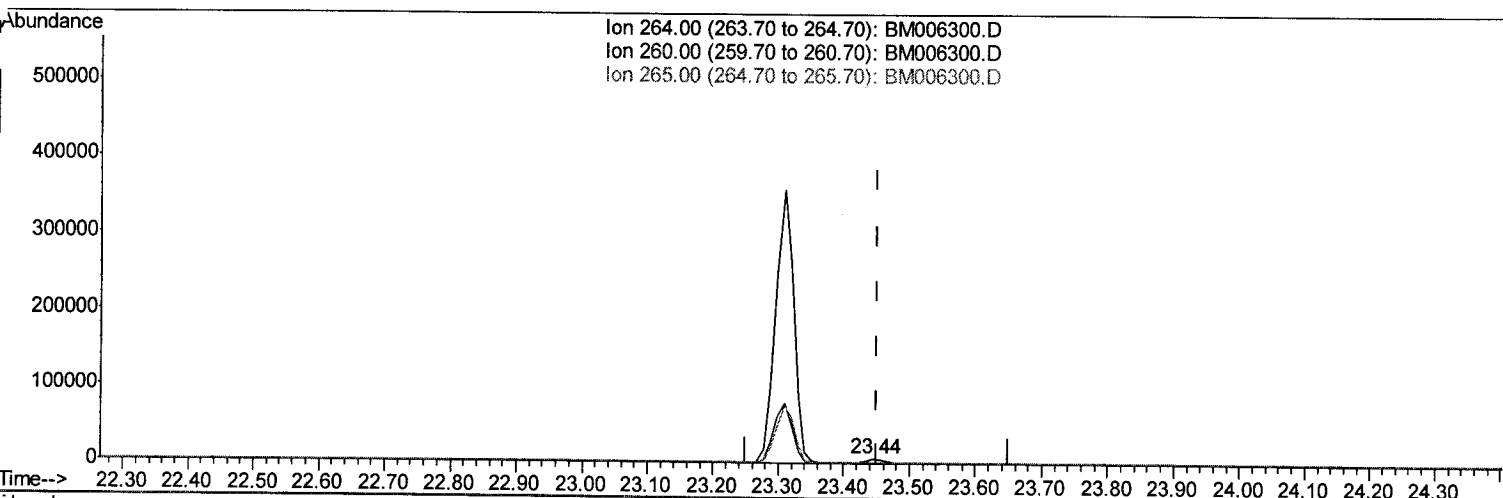
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

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Quant Time: Jul 07 11:42:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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(22) Perylene-d12 (I)

23.444min (-0.007) 0.40ng/ul m

response 11507

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	28.12
265.00	38.20	36.82
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

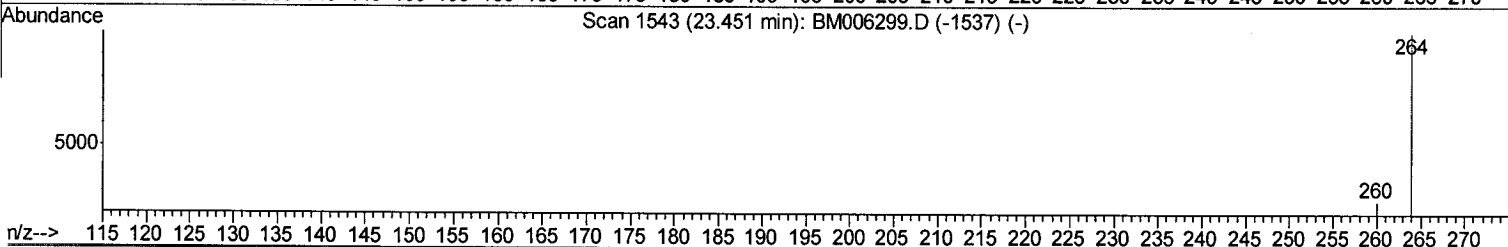
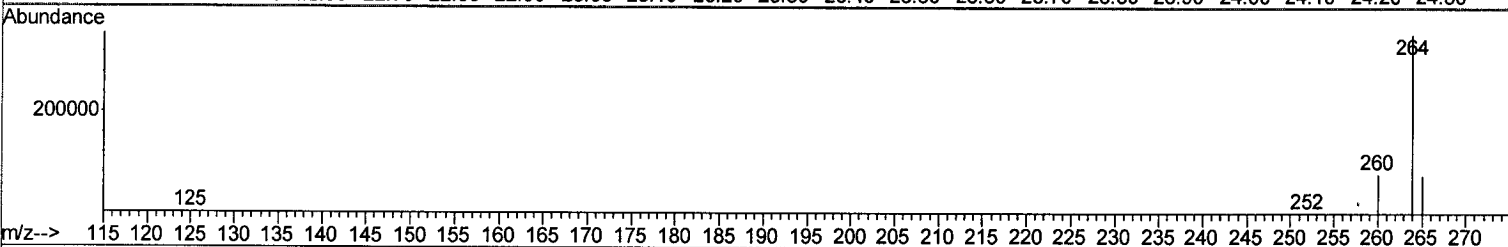
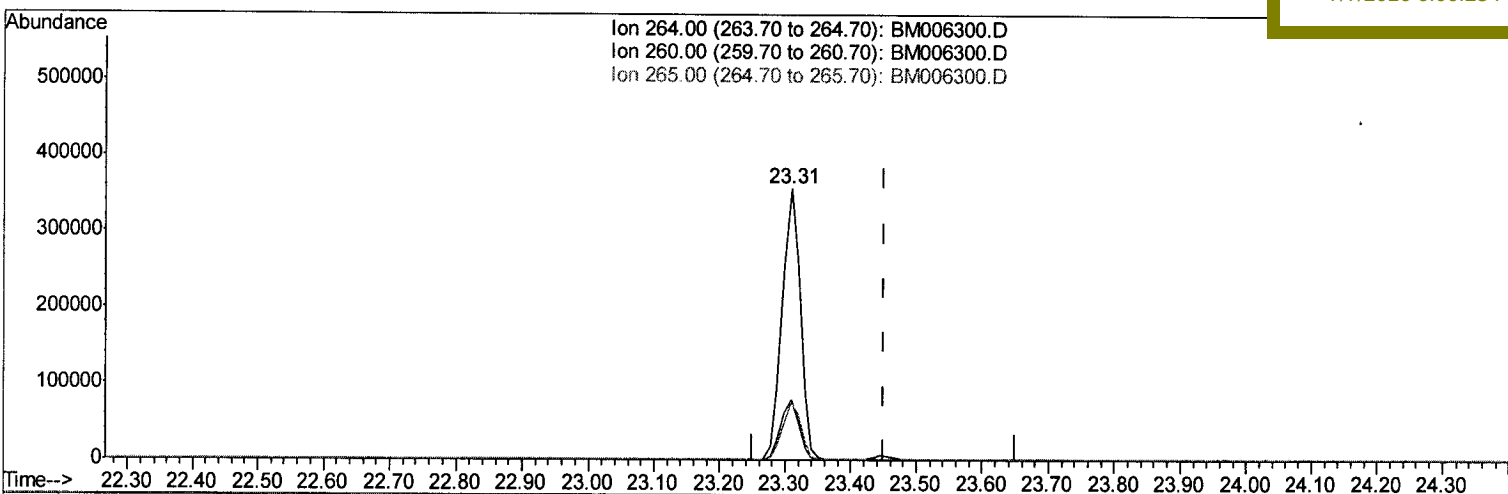
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 11:42:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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Manual Integration

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TIC: BM006300.D

(22) Perylene-d12 (I)

23.309min (-0.143) 0.40ng/ul

response 681328

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	22.36
265.00	38.20	21.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

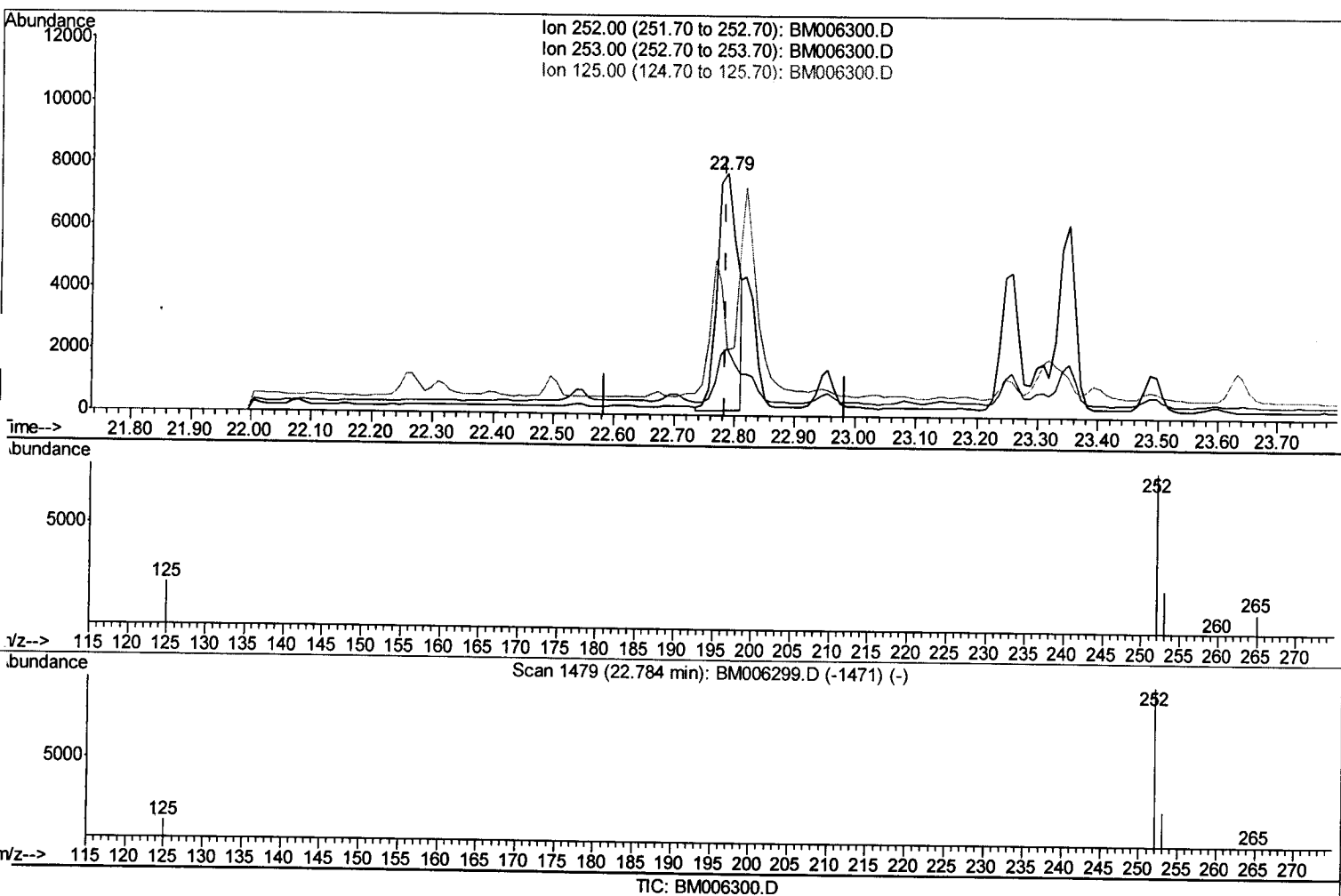
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

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 7/7/2016 6:06:23 PM

Quant Time: Jul 07 11:43:17 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



(23) Benzo(b)fluoranthene

22.787min (+0.003) 0.44ng/ul m

response 17987

U.M
 07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	27.65
125.00	14.40	27.50
0.00	0.00	0.00

Quantitation Report (Qedit)

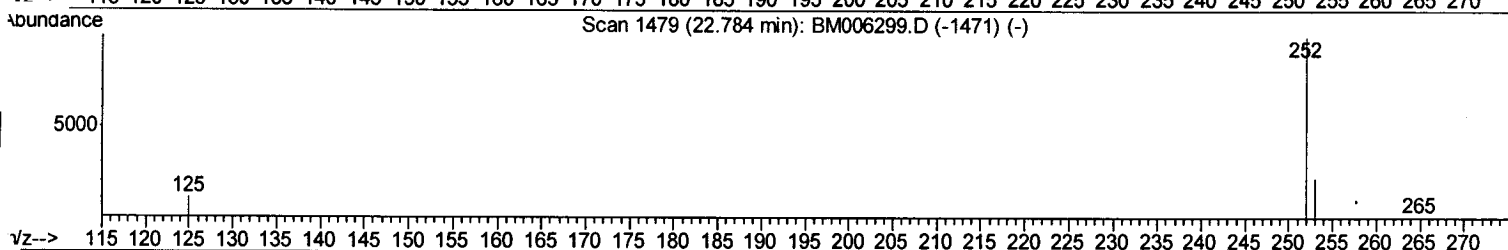
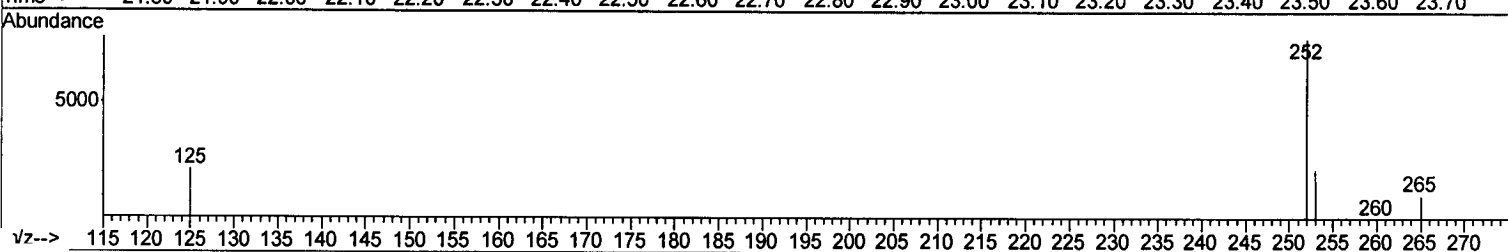
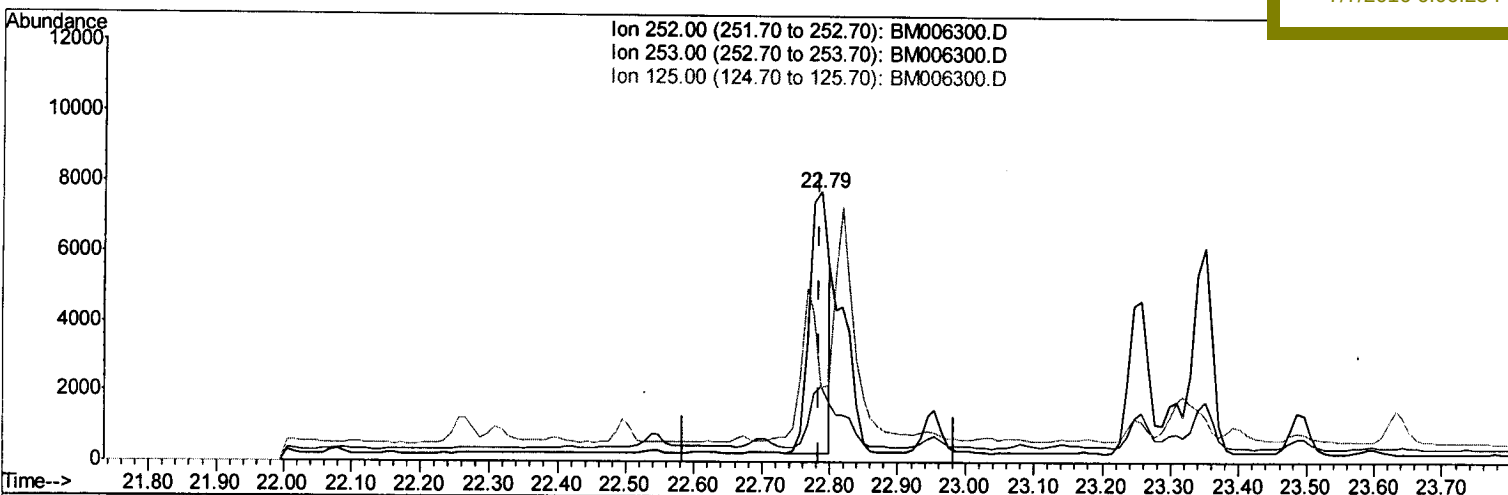
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 11:43:17 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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(23) Benzo(b)fluoranthene

22.787min (+0.003) 0.36ng/ul

response 14950

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	27.65
125.00	14.40	27.50
0.00	0.00	0.00

Quantitation Report (Qedit)

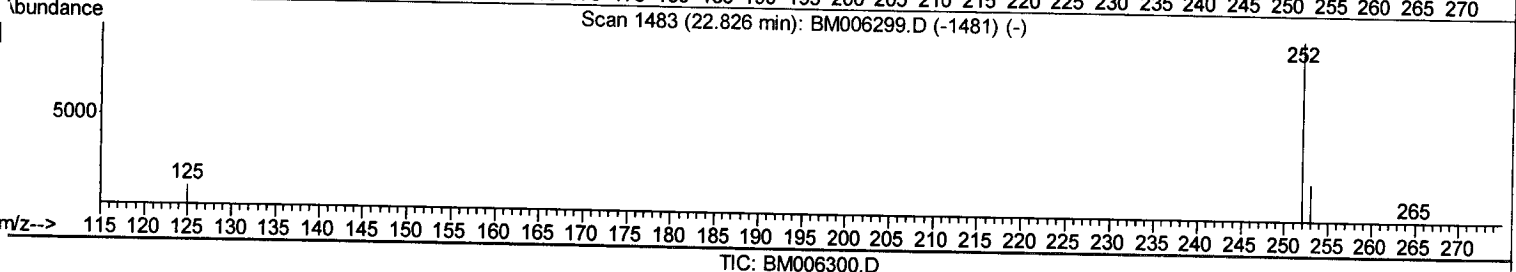
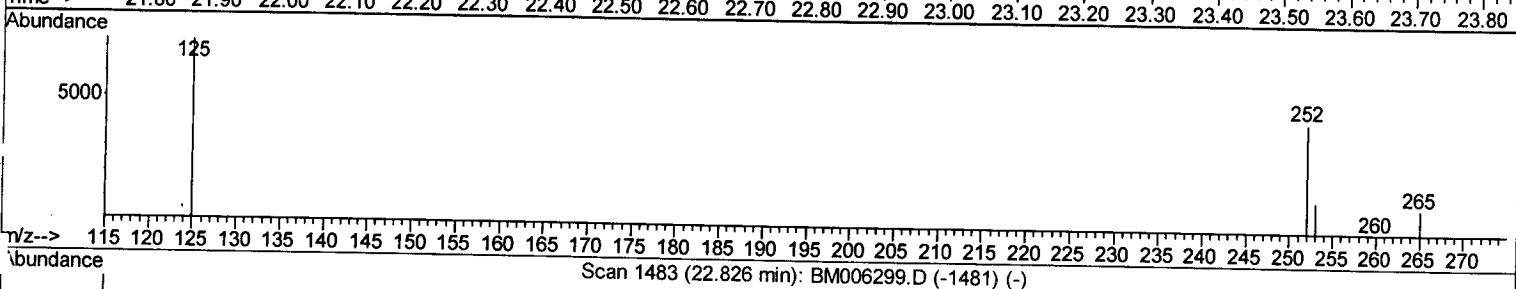
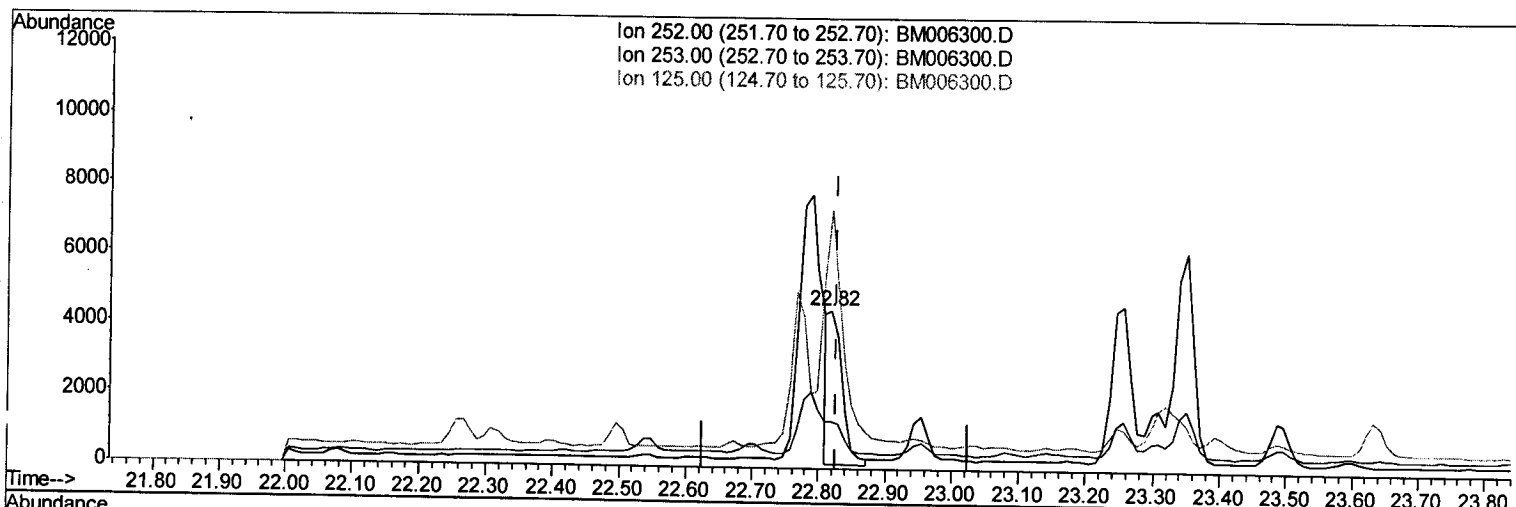
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
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 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

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 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

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(24) Benzo(k)fluoranthene

22.819min (-0.007) 0.17ng/ul m

response 6389

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	30.31#
125.00	13.00	164.44#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

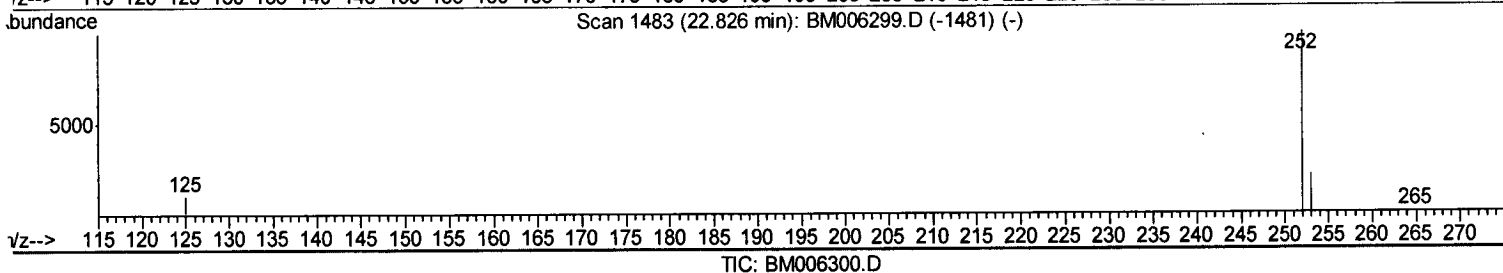
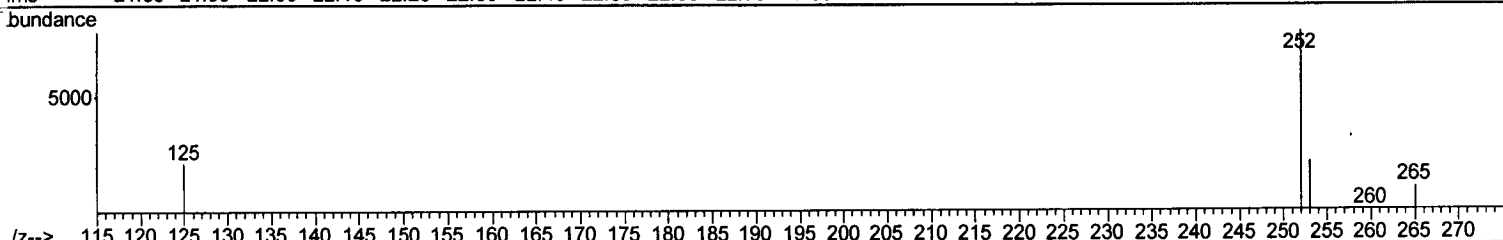
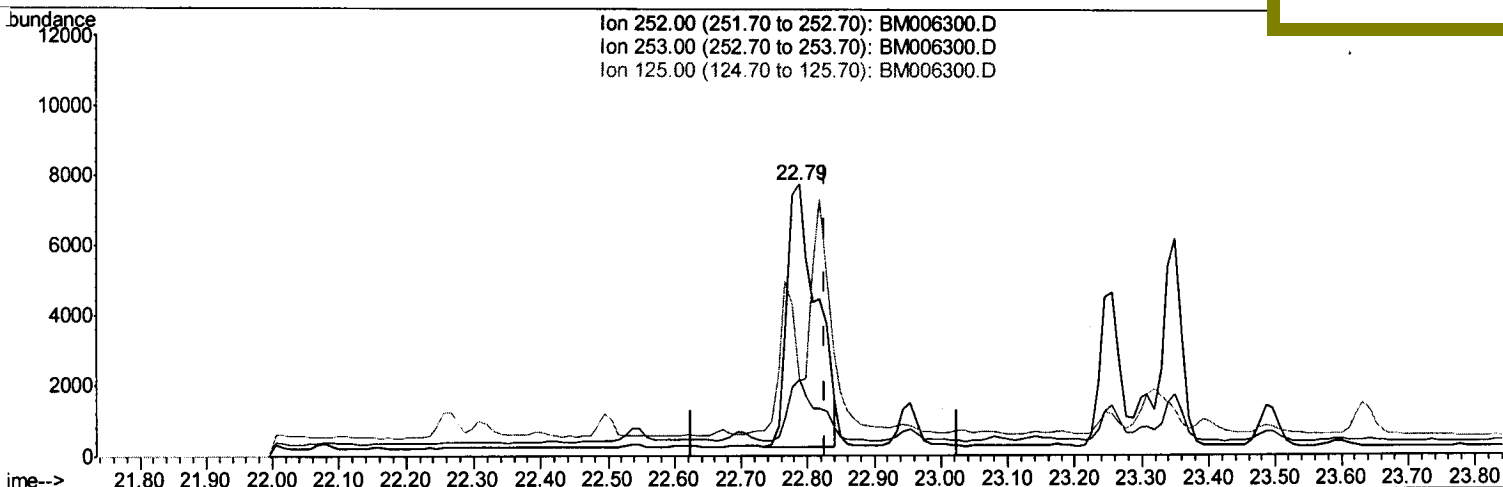
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 11:43:17 2016
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 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Manual Integrati

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 7/7/2016 6:06:23 PM



(24) Benzo(k)fluoranthene

22.787min (-0.038) 0.60ng/ul

response 23122

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	27.65
125.00	13.00	27.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

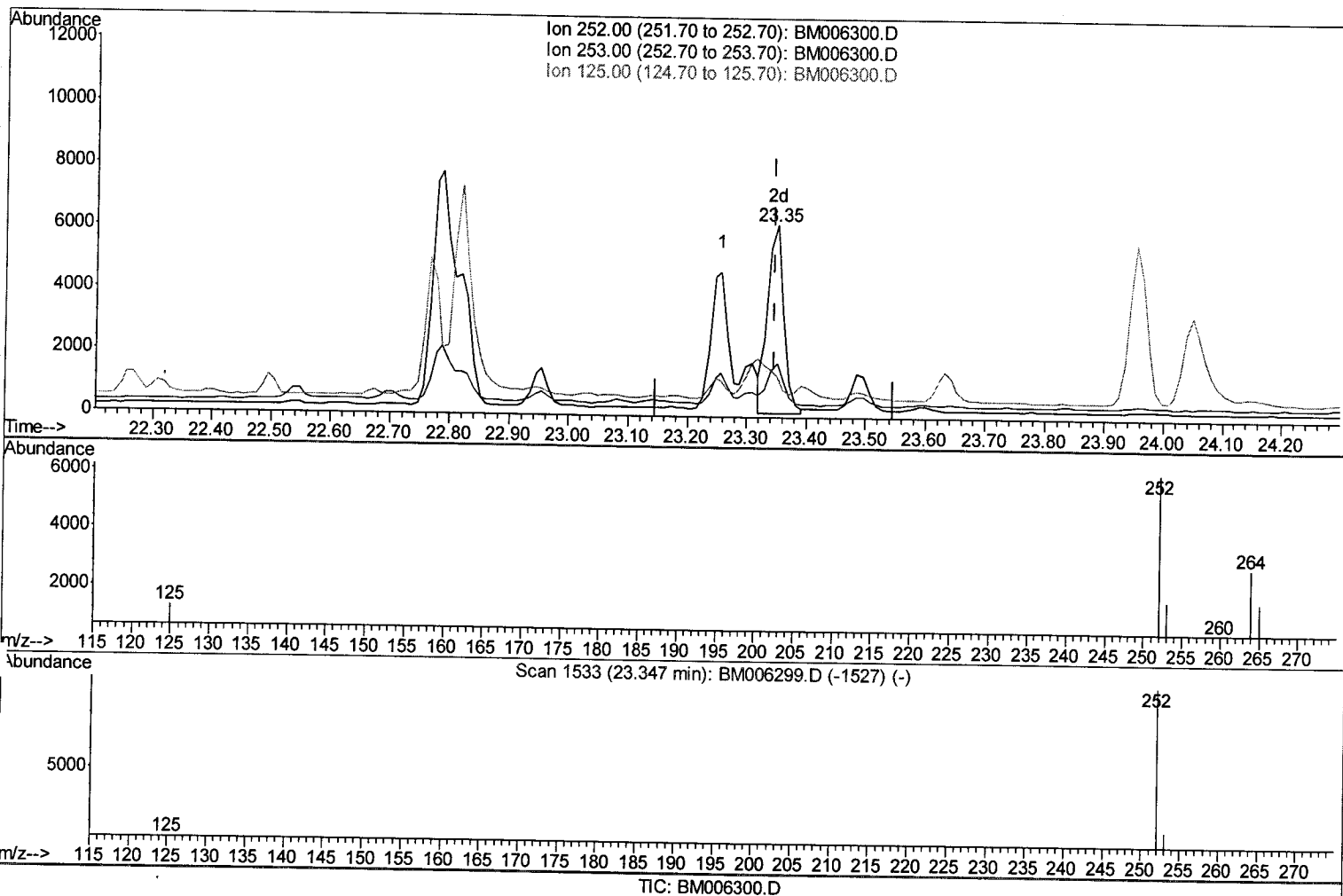
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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(25) Benzo(a)pyrene (C)

23.350min (+0.003) 0.30ng/ul m

response 11420

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	28.27
125.00	15.90	20.98#
0.00	0.00	0.00

U.M
 07/11/16

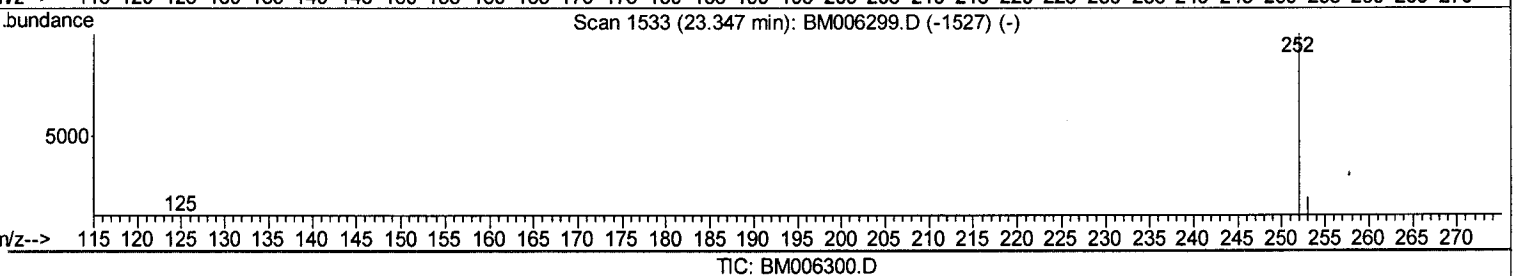
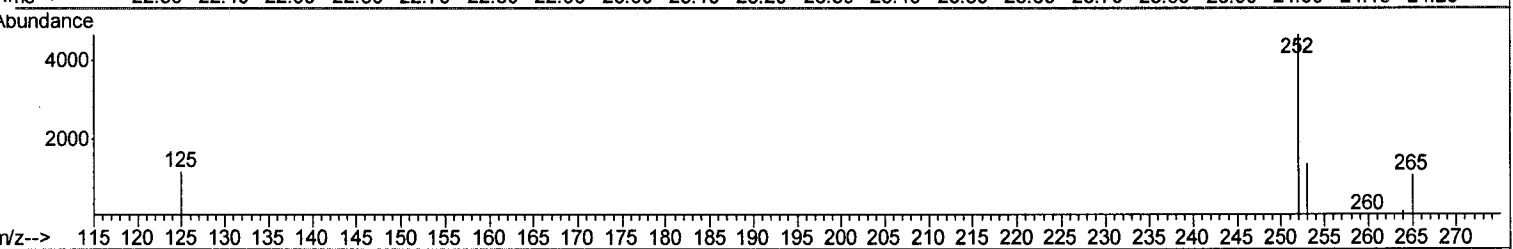
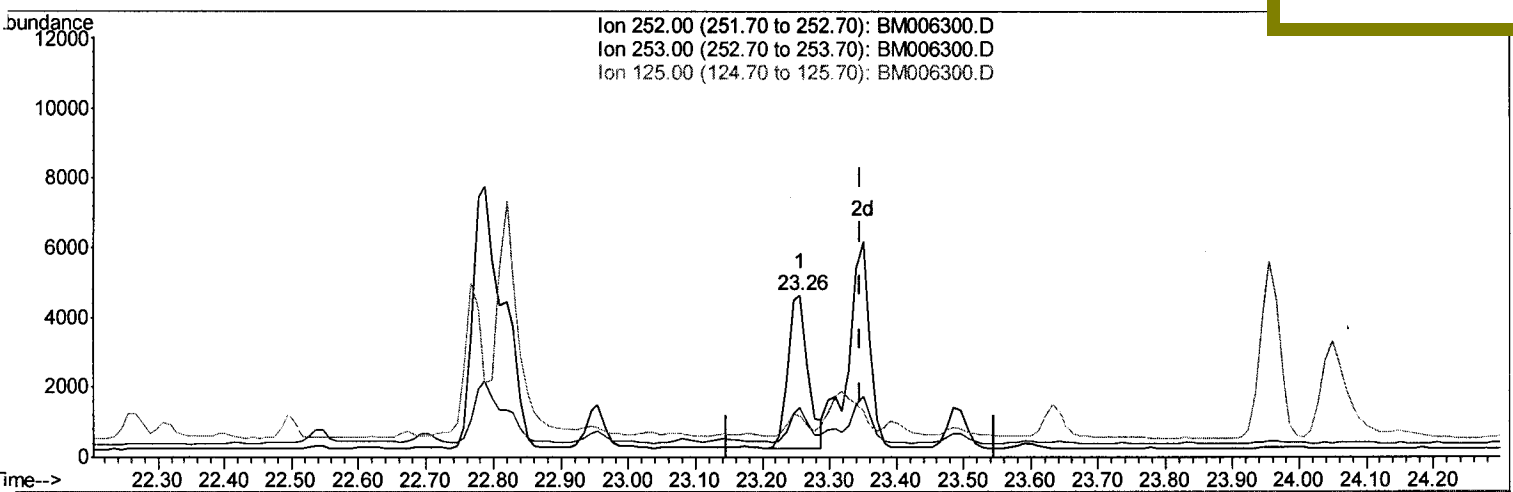
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TIC: BM006300.D

(25) Benzo(a)pyrene (C)

23.256min (-0.090) 0.24ng/ul

response 9182

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	30.16#
125.00	15.90	25.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

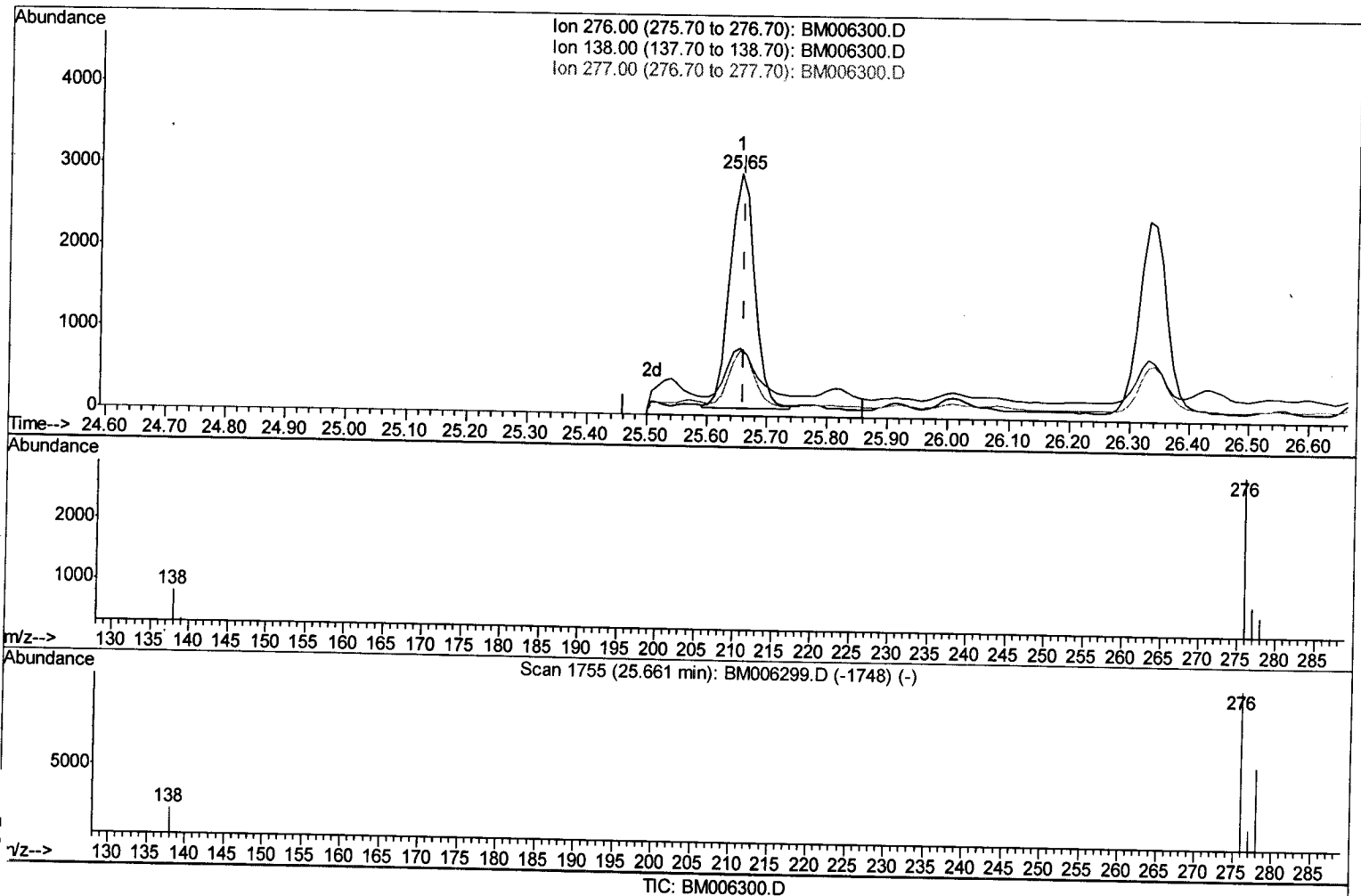
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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 ALS Vial : 21 Sample Multiplier: 1

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

25.654min (-0.007) 0.20ng/ul m U, M
 response 8348 27/11/16

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	16.63
277.00	24.80	16.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

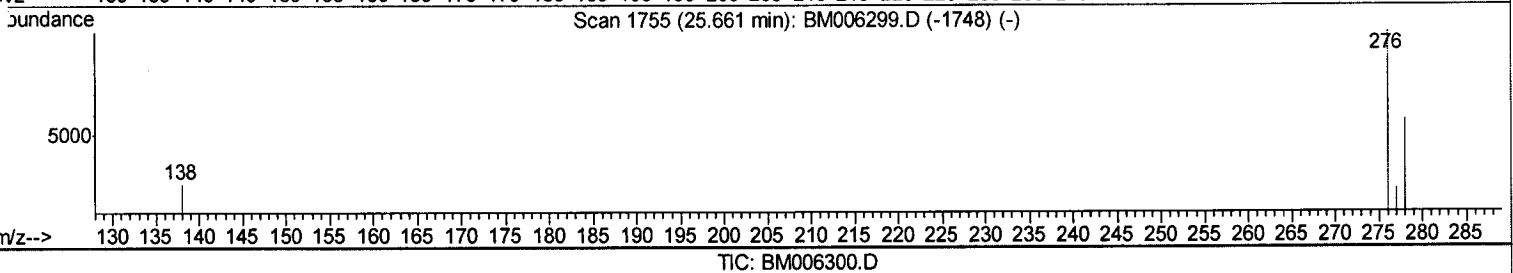
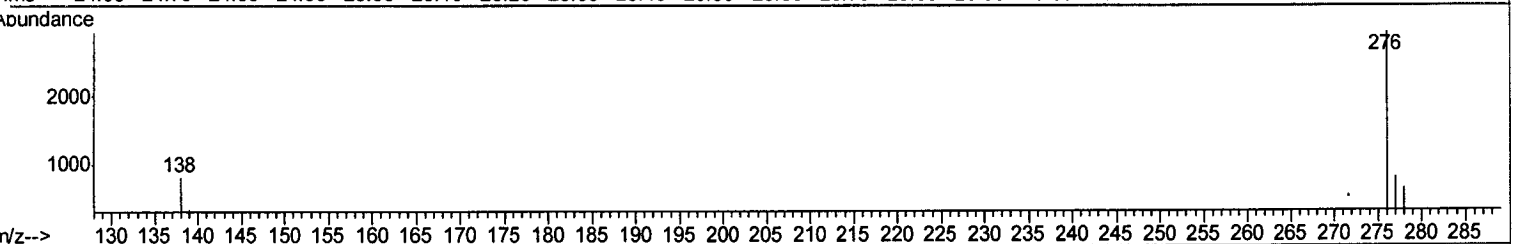
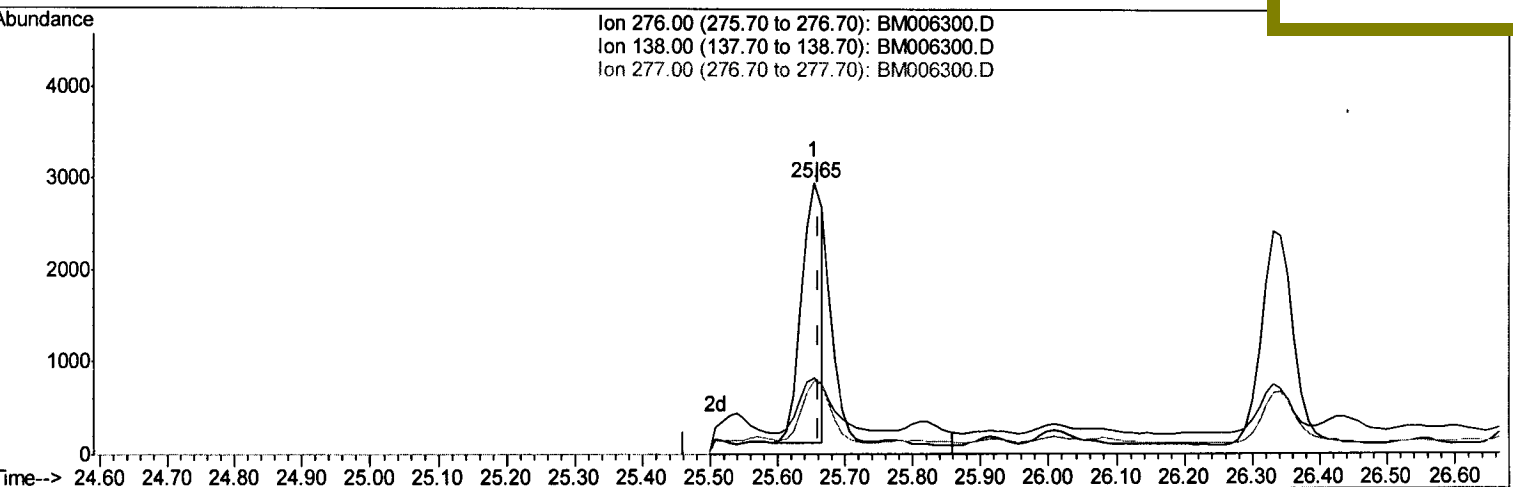
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006300.D
Acq On : 07 Jul 2016 02:17
Operator : UM/SJ
Sample : H3811-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TW1

Manual Integration

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Quant Time: Jul 07 11:43:17 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

25.654min (-0.007) 0.14ng/ul

response 6090

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	22.79
277.00	24.80	22.17
0.00	0.00	0.00

Quantitation Report (Qedit)

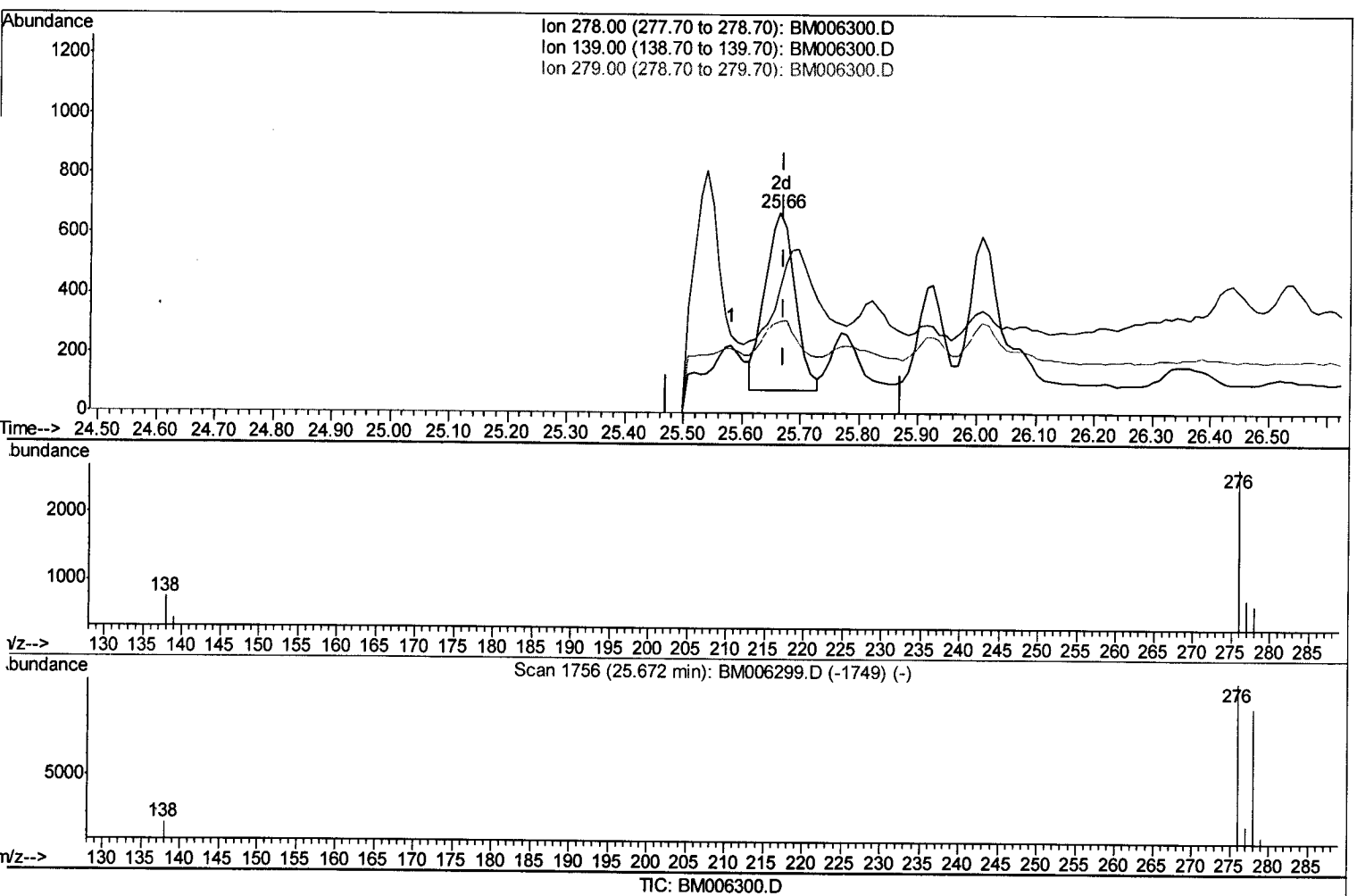
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

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Quant Time: Jul 07 11:43:17 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



(27) Dibenzo(a,h)anthracene

25.665min (-0.007) 0.06ng/ul m

response 2120

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	62.59#
279.00	25.20	46.20#
0.00	0.00	0.00

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Quantitation Report (Qedit)

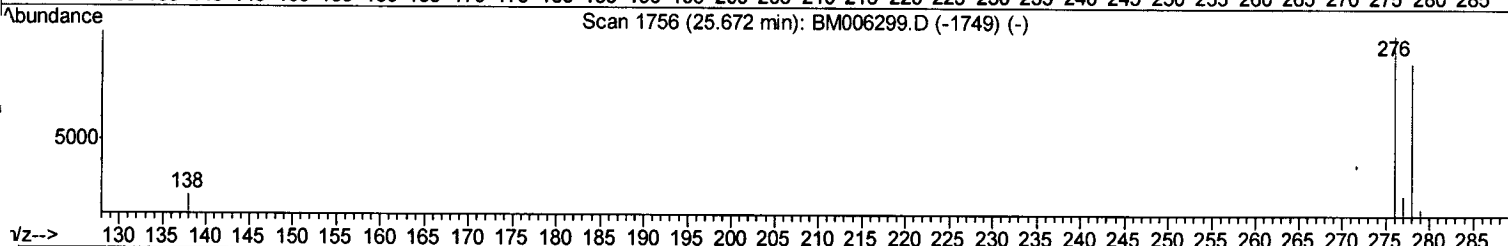
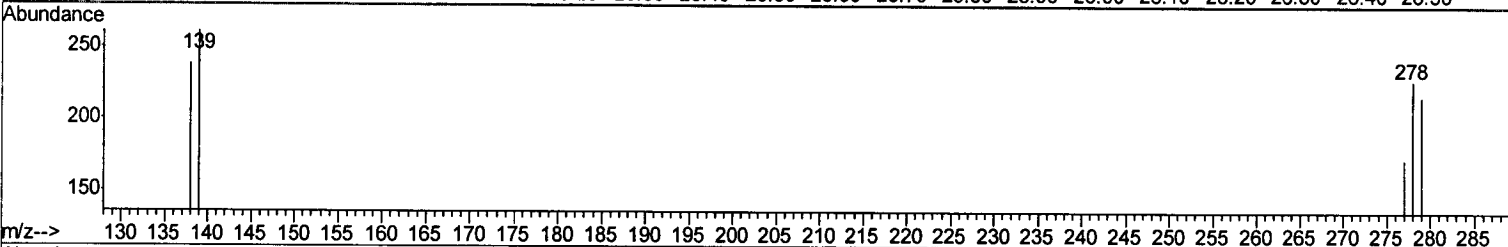
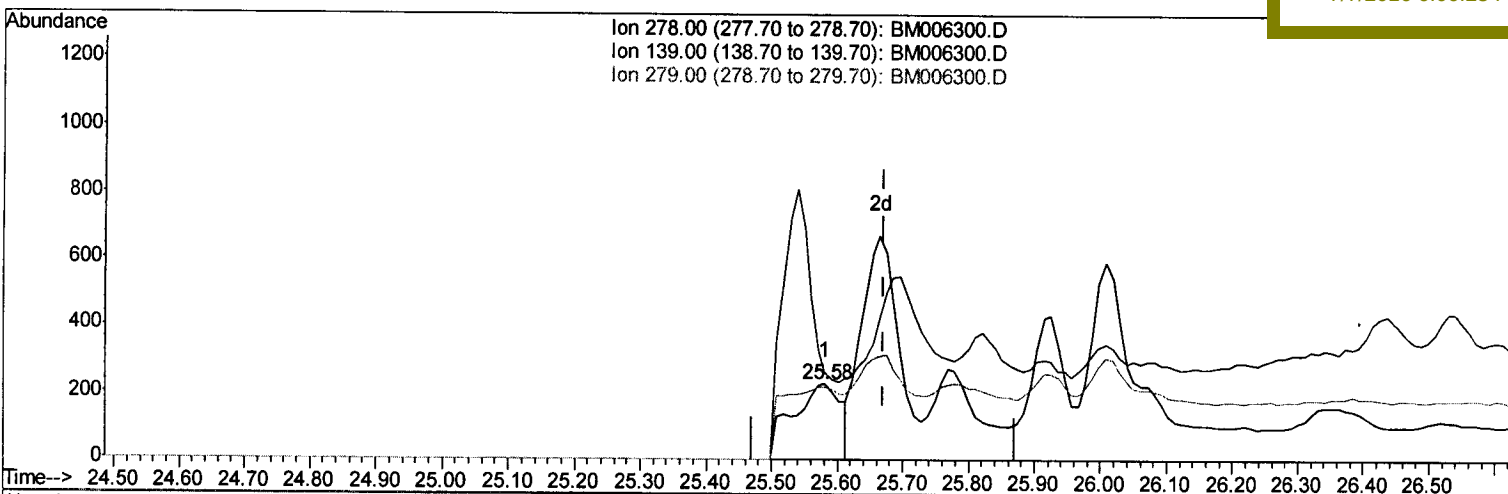
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 11:43:17 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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TIC: BM006300.D

(27) Dibenzo(a,h)anthracene

25.581min (-0.090) 0.04ng/ul

response 1167

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	114.98#
279.00	25.20	95.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

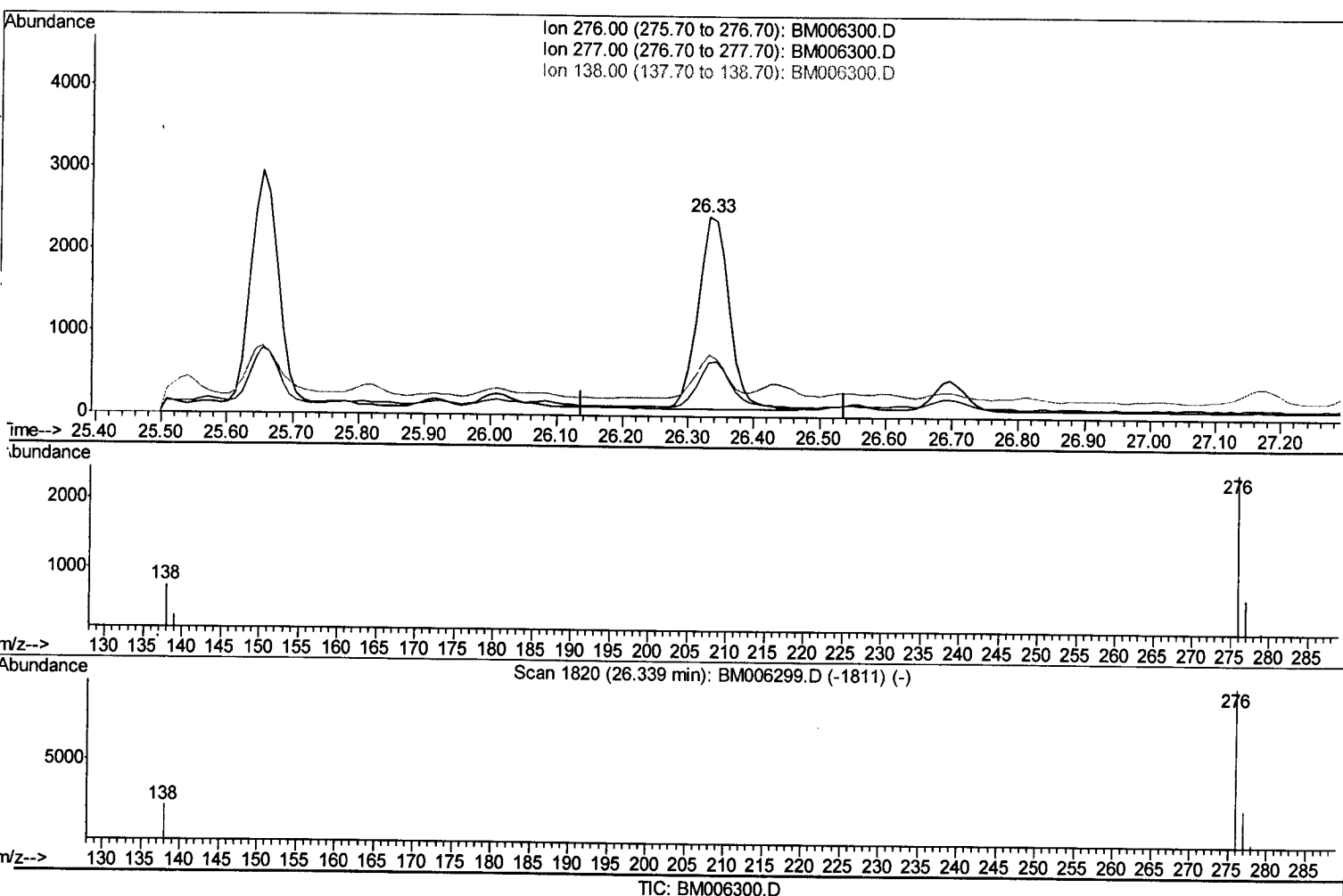
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Manual Integration

Quant Time: Jul 07 11:43:17 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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(28) Benzo(g,h,i)perylene

26.332min (-0.007) 0.22ng/ul m U.M

response 7818

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	26.75
138.00	28.10	31.06
0.00	0.00	0.00

Quantitation Report (Qedit)

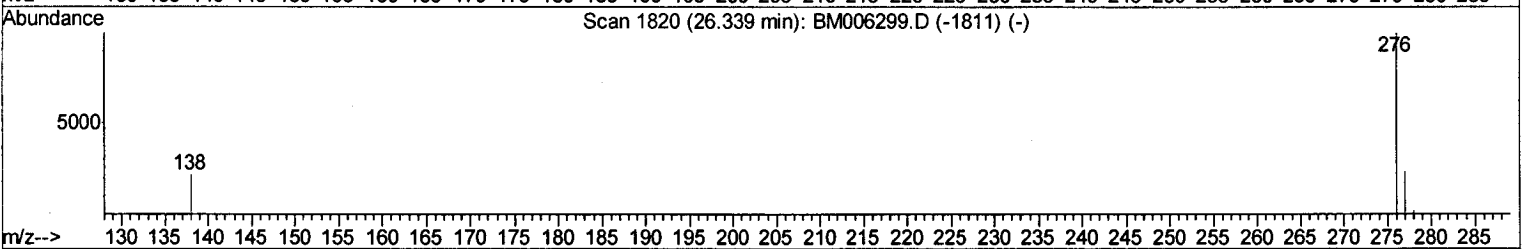
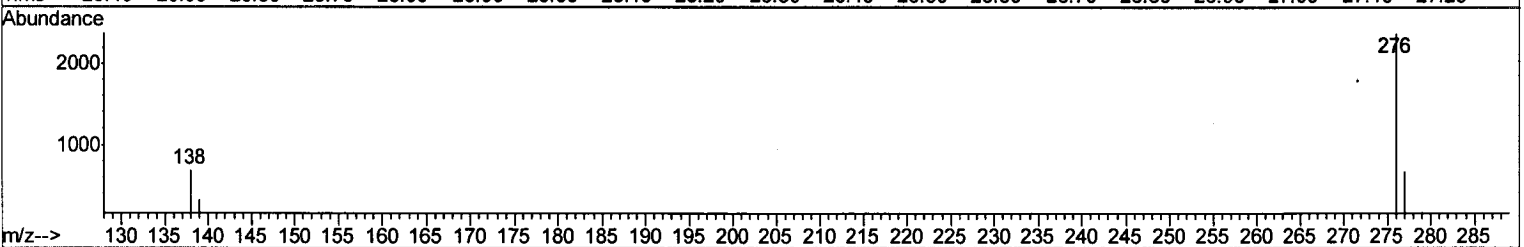
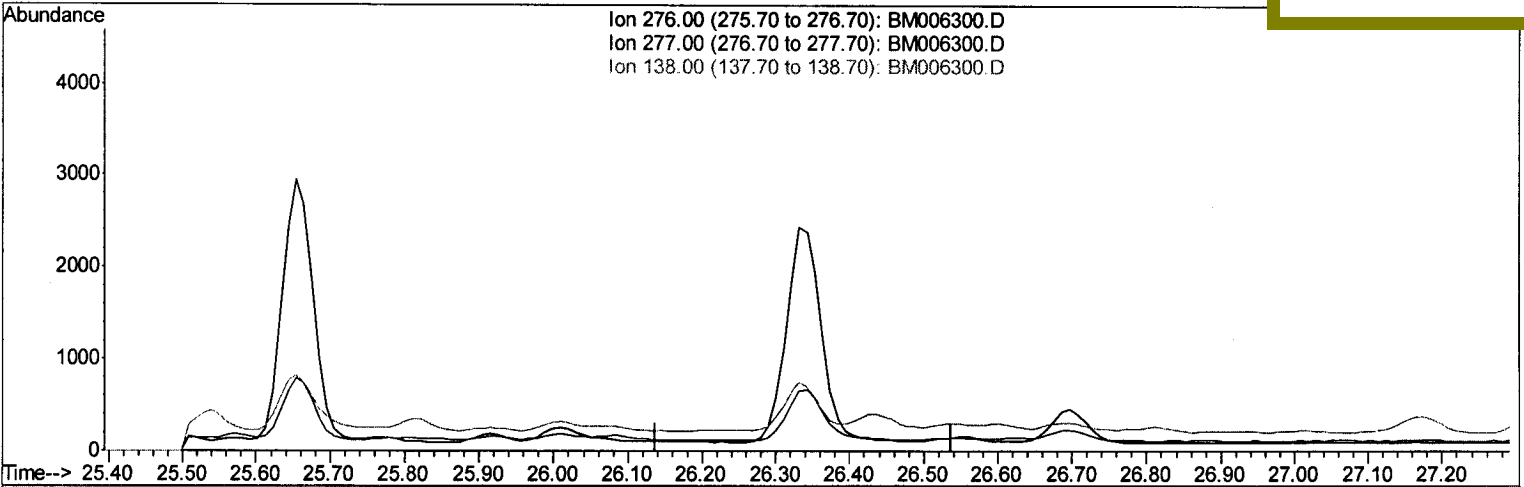
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 11:43:17 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: BM006300.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 : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 11:45:18 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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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4901	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19595	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11149	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	23653m	0.40	ng/ul	0.00
18) Chrysene-d12	21.23	240	15302	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	11507m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	9401	4.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7466	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	14992	0.30	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	1094	0.02	ng/ul#	77
9) Acenaphthylene	14.01	152	2307	0.06	ng/ul#	94
11) Fluorene	15.34	166	1085	0.03	ng/ul#	78
14) Phenanthrene	17.07	178	24811m	0.38	ng/ul	87
15) Anthracene	17.18	178	2726	0.04	ng/ul#	87
17) Fluoranthene	19.10	202	43930m	0.61	ng/ul	97
19) Pyrene	19.46	202	40611	0.63	ng/ul	97
20) Benzo(a)anthracene	21.22	228	12918	0.26	ng/ul#	87
21) Chrysene	21.27	228	15451	0.32	ng/ul#	90
23) Benzo(b)fluoranthene	22.79	252	17987m	0.44	ng/ul	90
24) Benzo(k)fluoranthene	22.82	252	6389m	0.17	ng/ul	90
25) Benzo(a)pyrene	23.35	252	11420m	0.30	ng/ul	90
26) Indeno(1,2,3-cd)pyrene	25.65	276	8348m	0.20	ng/ul	90
27) Dibenzo(a,h)anthracene	25.66	278	2120m	0.06	ng/ul	90
28) Benzo(g,h,i)perylene	26.33	276	7818m	0.22	ng/ul	90

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