

Quantitation Report (QT Reviewed)

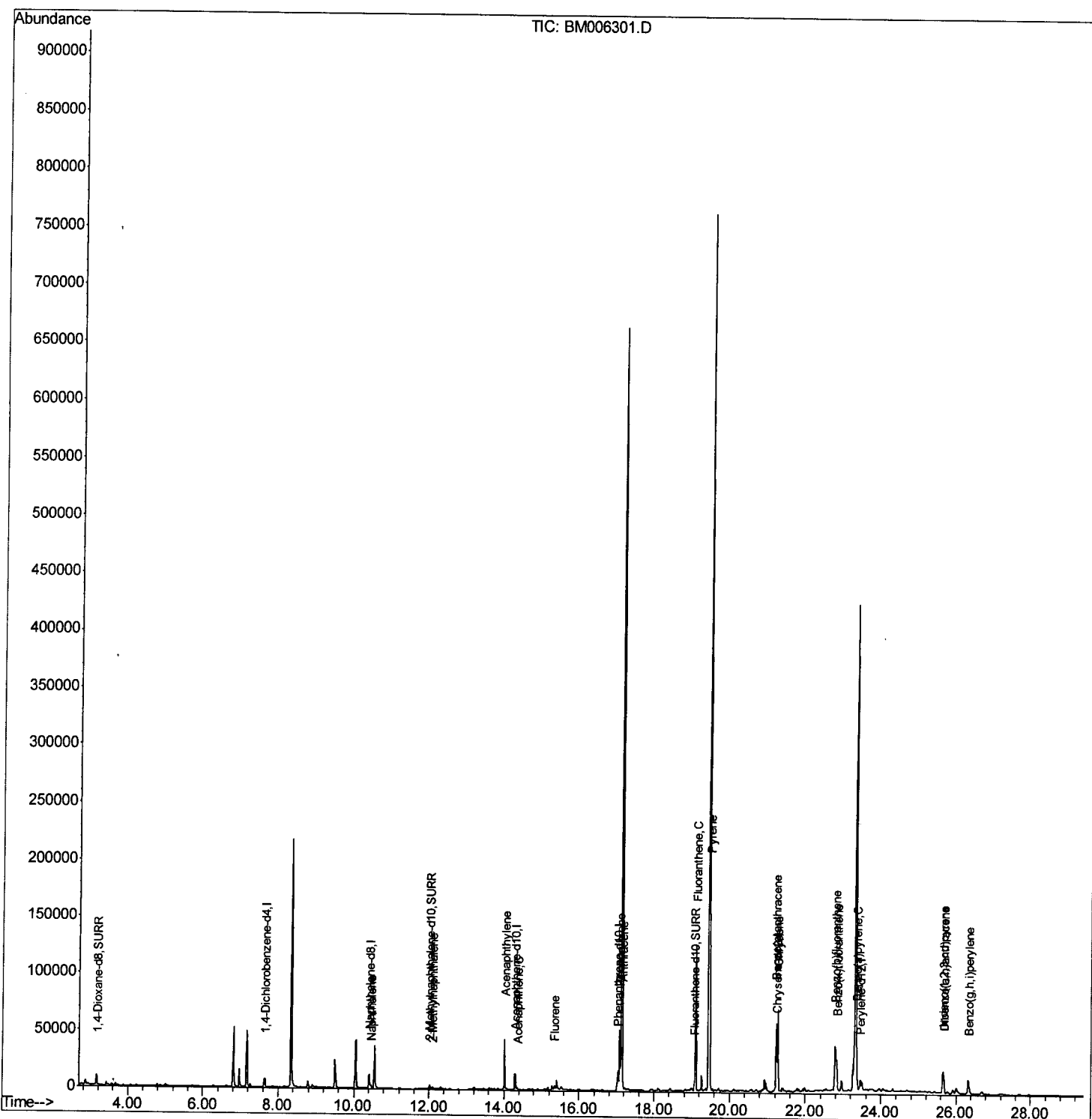
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5

Manual Integration

Quant Time: Jul 07 11:58:45 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 6:06:20 PM



Quantitation Report (Qedit)

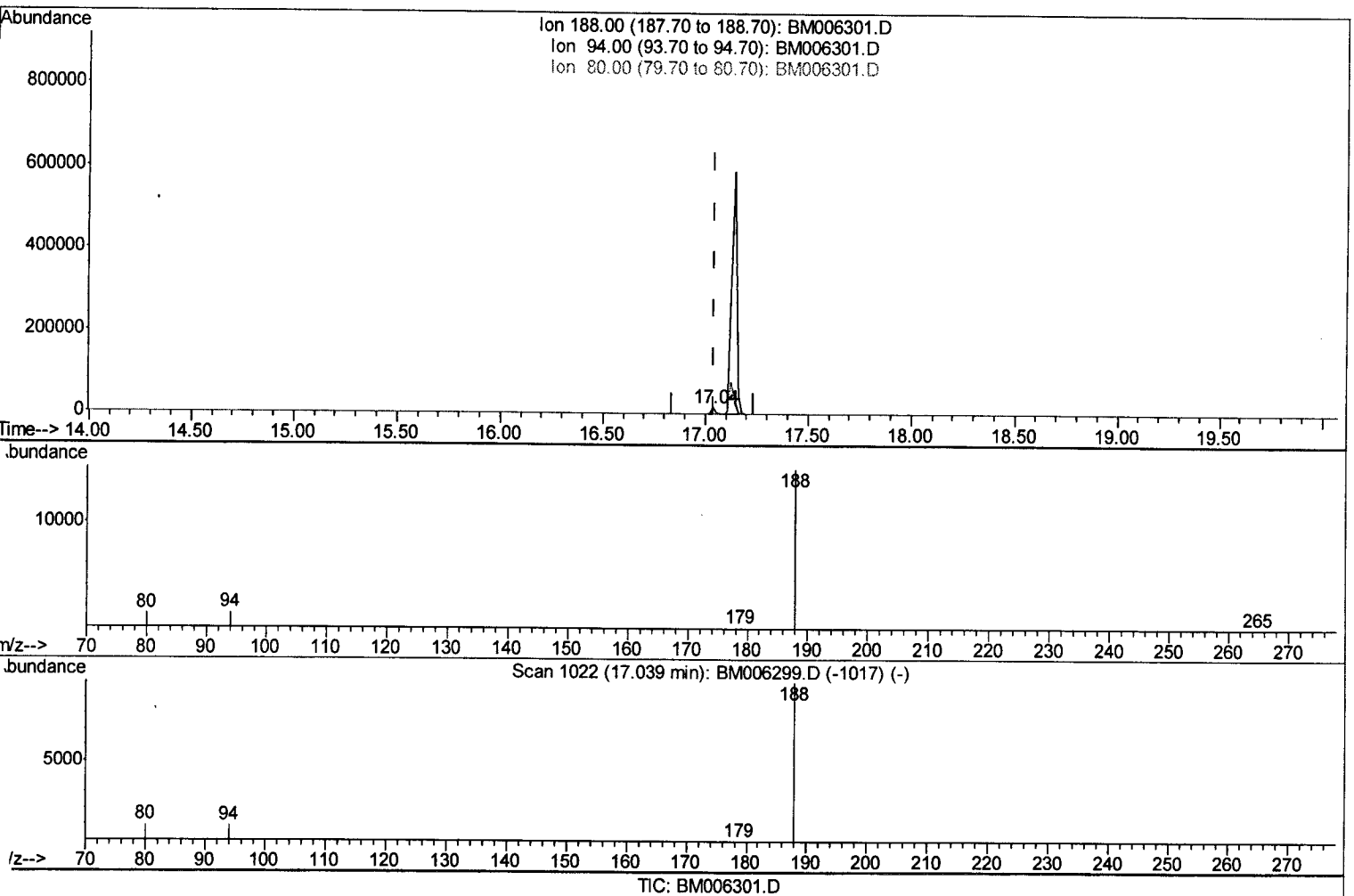
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
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 Operator : UM/SJ
 Sample : H3811-17
 Misc :
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Instrument :
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Manual Integration

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Quant Time: Jul 07 11:45:52 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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(12) Phenanthrene-d10 (I)

17.039min (+0.000) 0.40ng/ul m

response 22149

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	9.24#
80.00	11.90	9.09#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

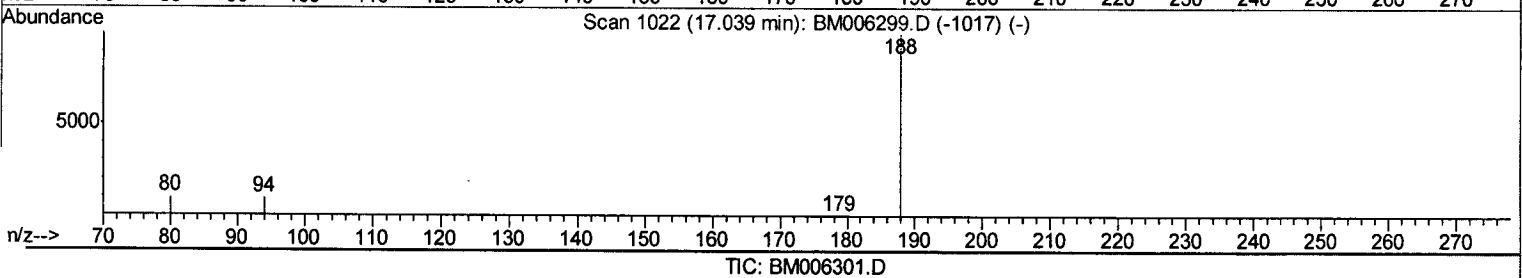
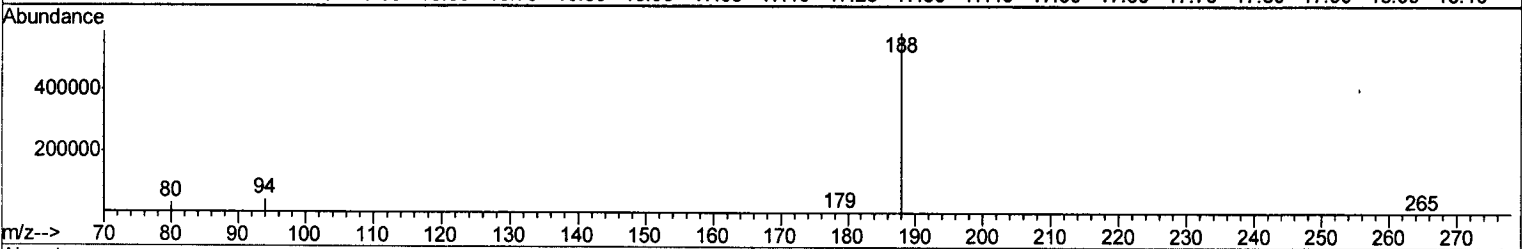
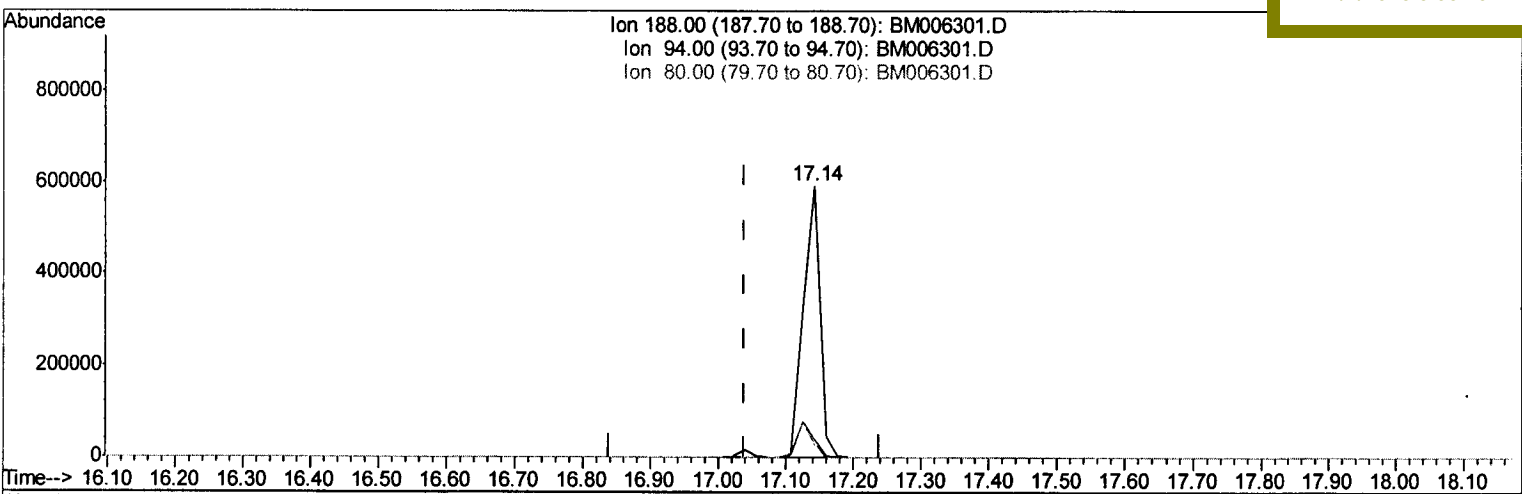
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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(12) Phenanthrene-d10 (I)

17.142min (+0.103) 0.40ng/ul

response 1003193

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	6.98#
80.00	11.90	5.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

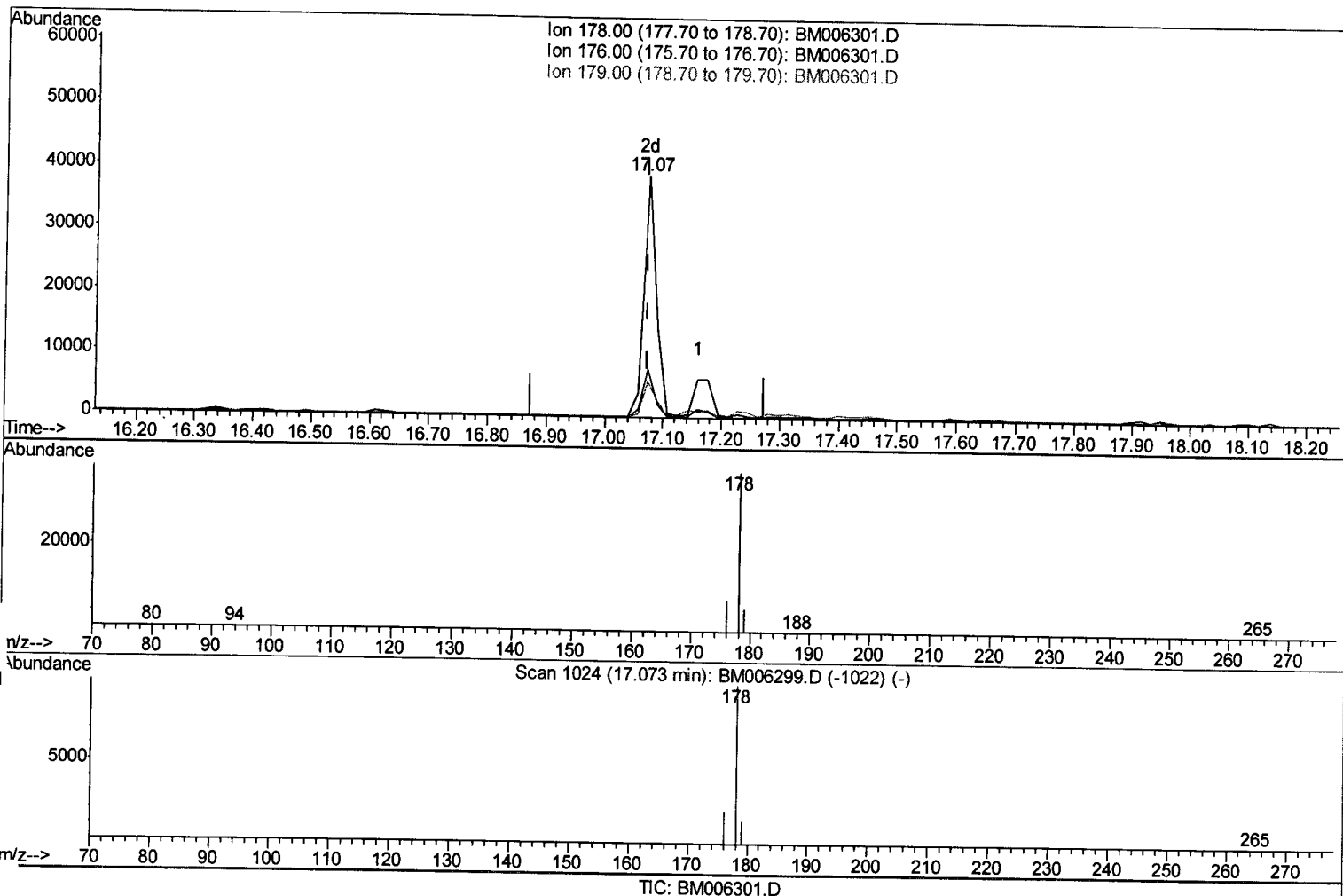
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
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Quant Time: Jul 07 11:54:37 2016
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(14) Phenanthrene

17.073min (+0.000) 0.97ng/ul m

response 59635

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Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.21#
179.00	17.70	14.81
0.00	0.00	0.00

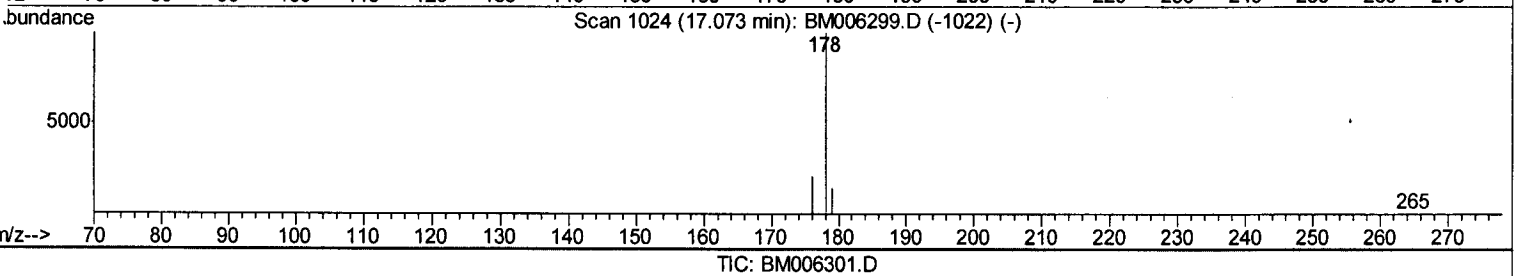
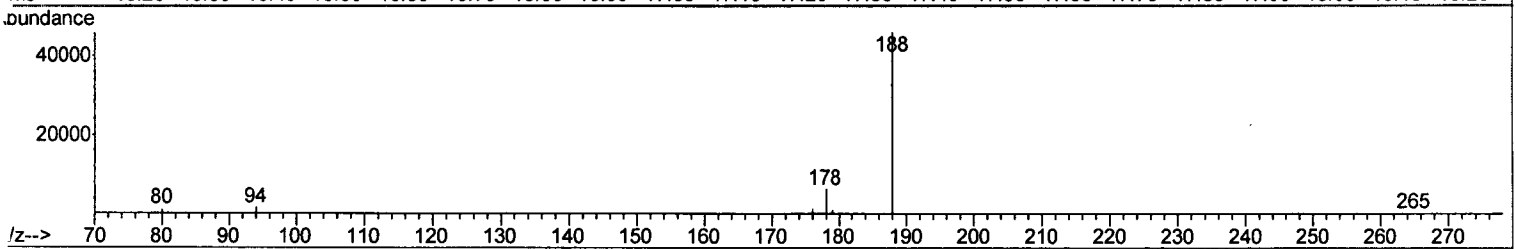
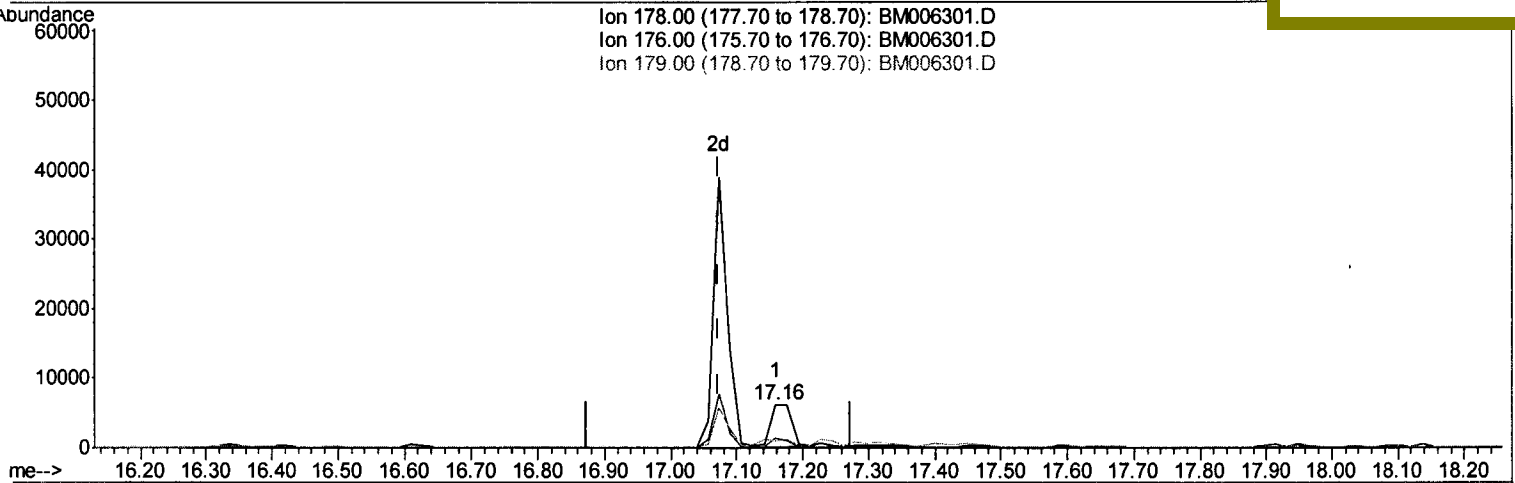
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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(14) Phenanthrene

17.159min (+0.086) 0.23ng/ul

response 14005

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	22.92#
179.00	17.70	17.33
0.00	0.00	0.00

Quantitation Report (Qedit)

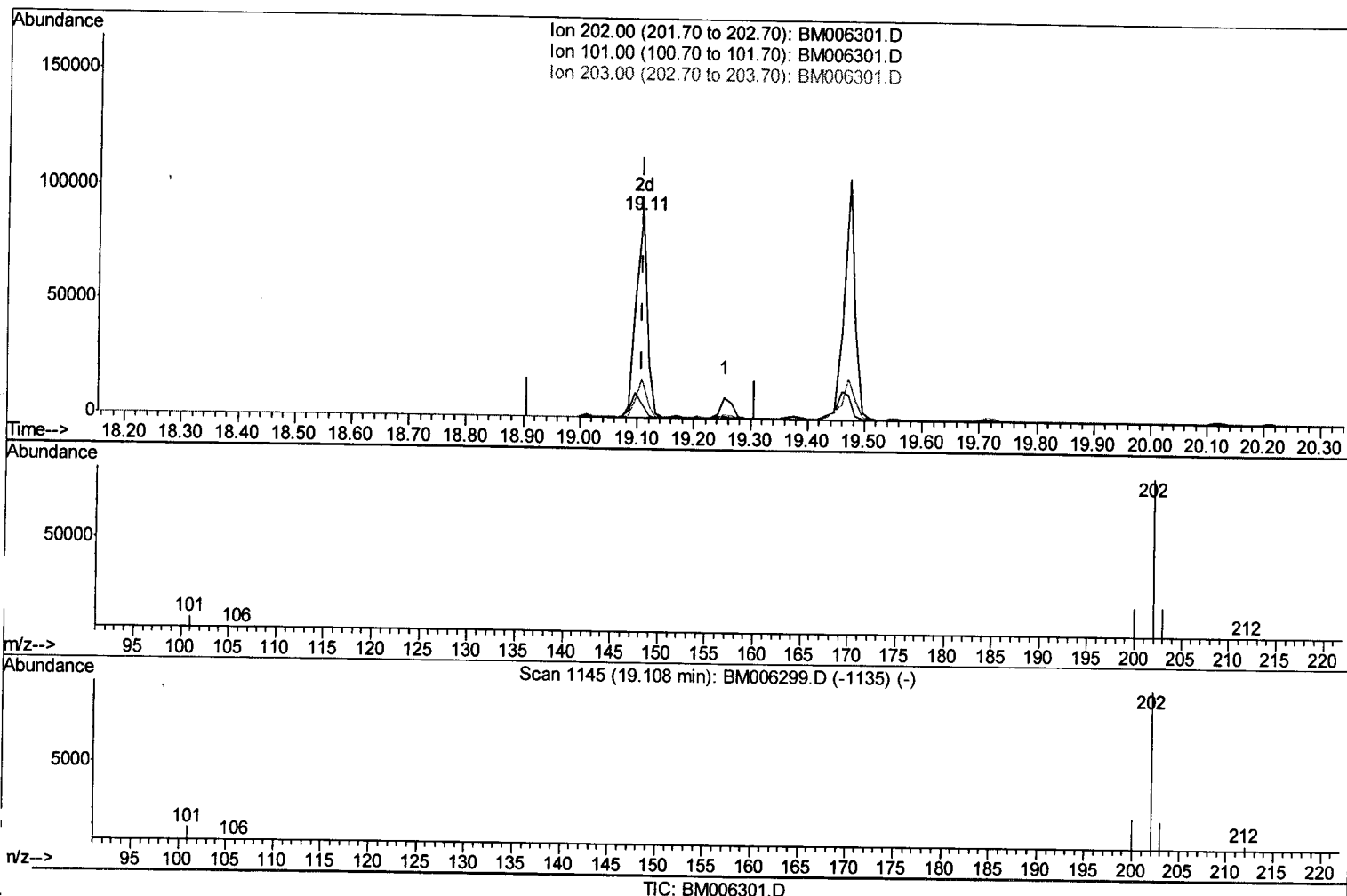
Data Path: Z:\HPCHEM1\BNA_M\Data\BM070716\
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(17) Fluoranthene (C)

19.108min (+0.000) 1.85ng/ul m

response 124829

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	6.89
203.00	16.30	18.85
0.00	0.00	0.00

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Quantitation Report (Qedit)

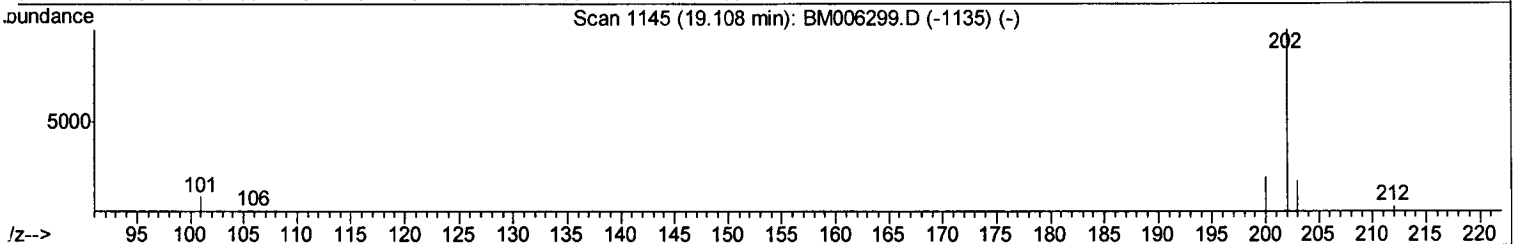
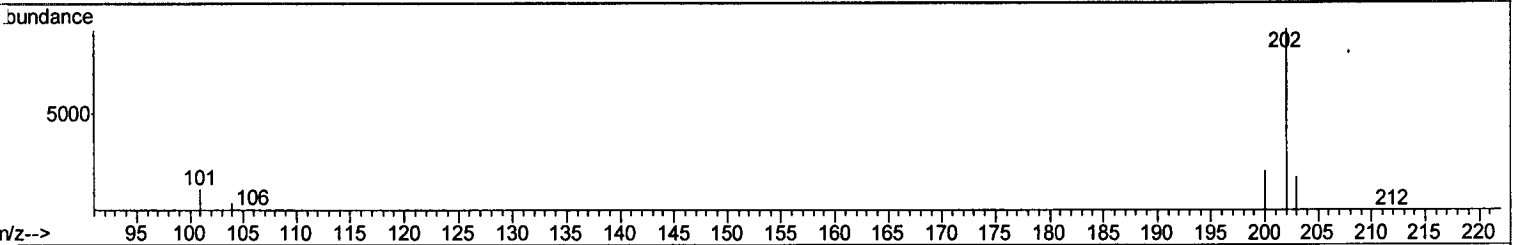
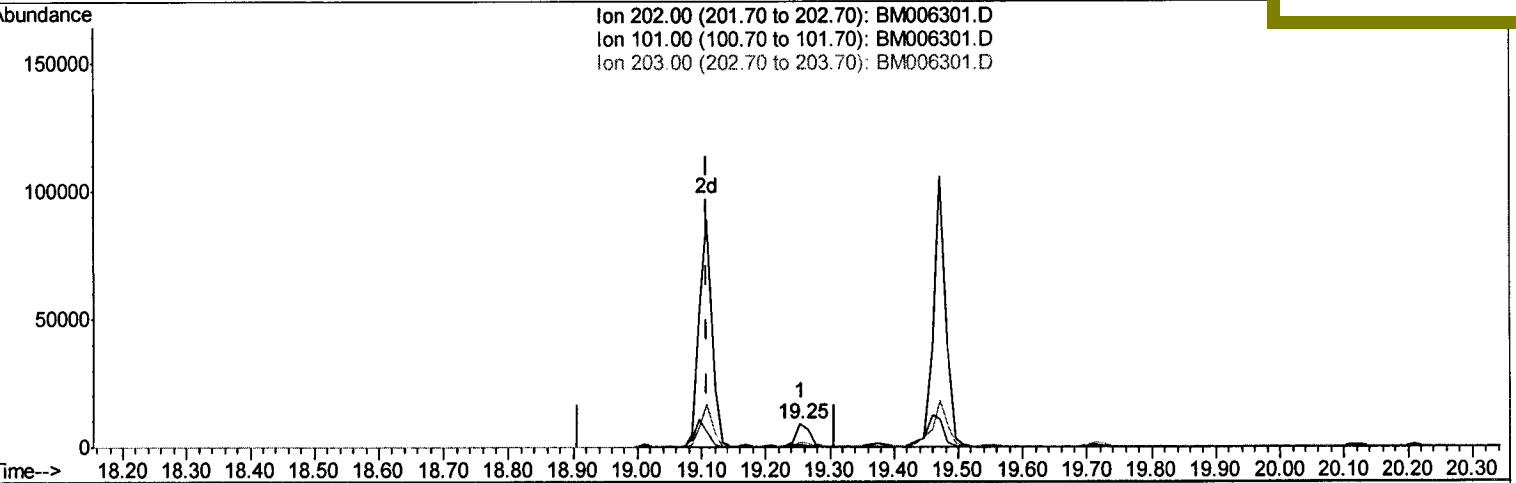
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
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 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BM006301.D

(17) Fluoranthene (C)

19.254min (+0.145) 0.22ng/ul

response 14608

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	12.70
203.00	16.30	19.59
0.00	0.00	0.00

Quantitation Report (Qedit)

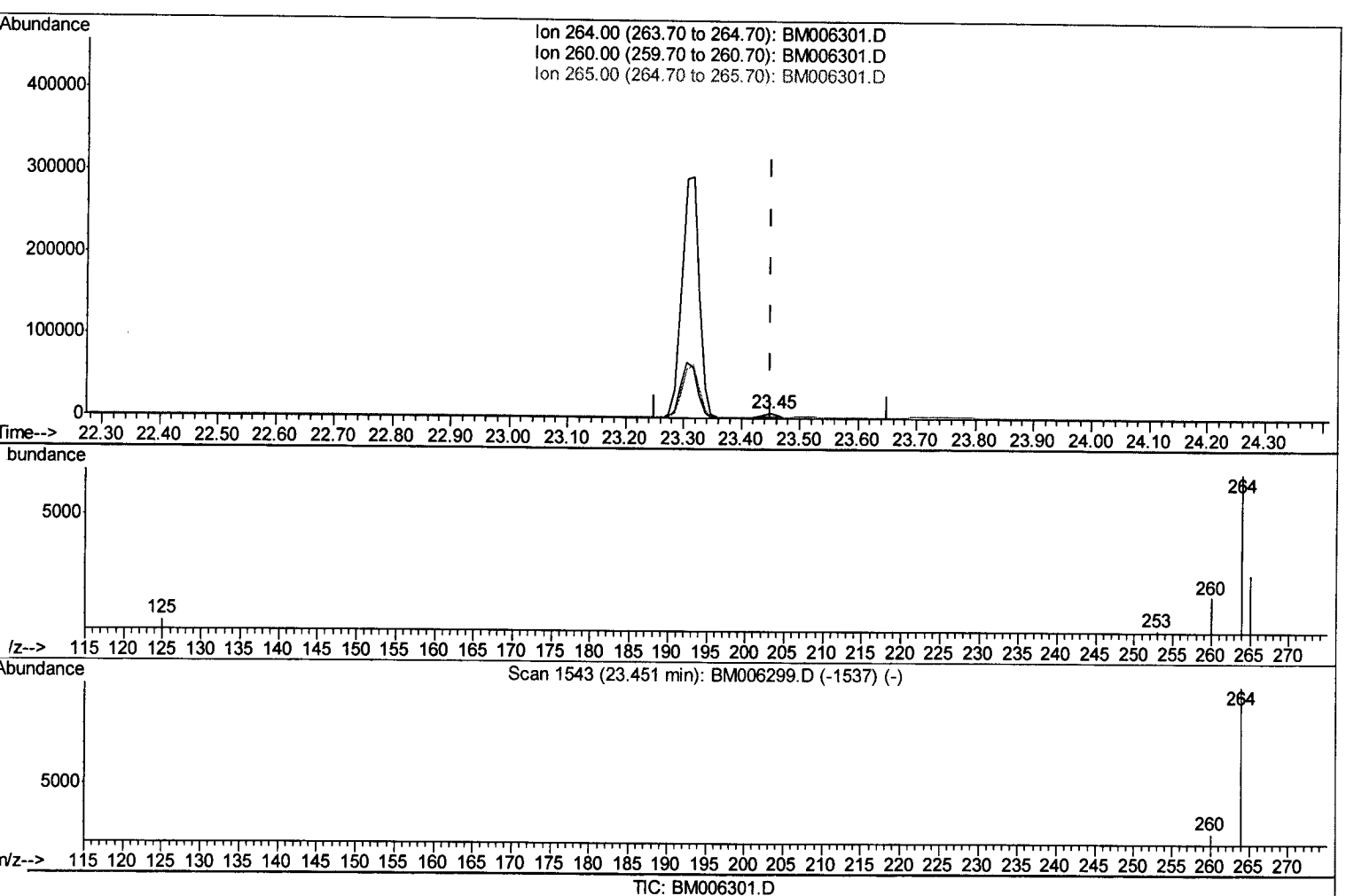
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 A4TW5

Manual Integration

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(22) Perylene-d12 (I)

23.451min (+0.000) 0.40ng/ul m

response 12097

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	27.30
265.00	38.20	40.26
0.00	0.00	0.00

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 07/11/16

Quantitation Report (Qedit)

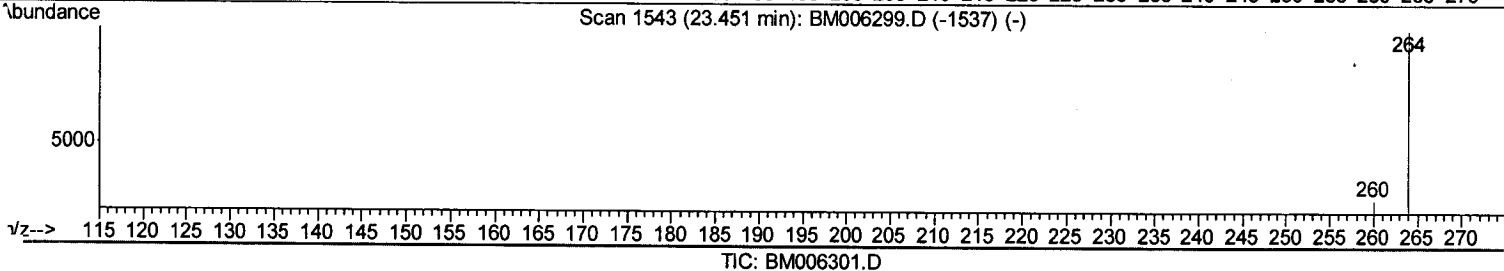
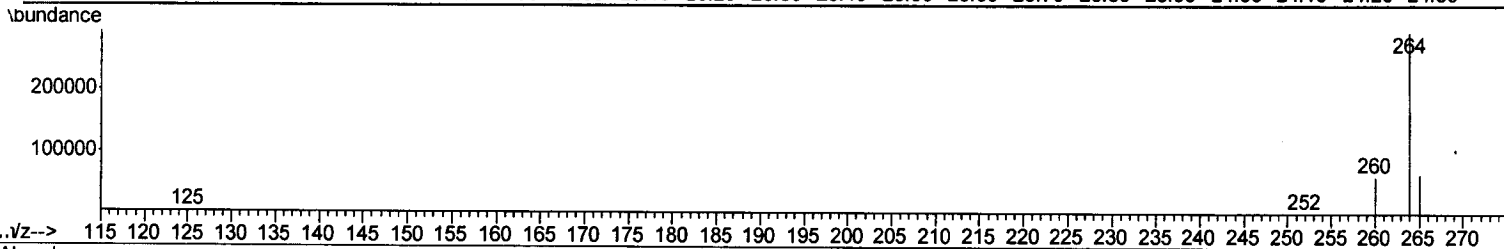
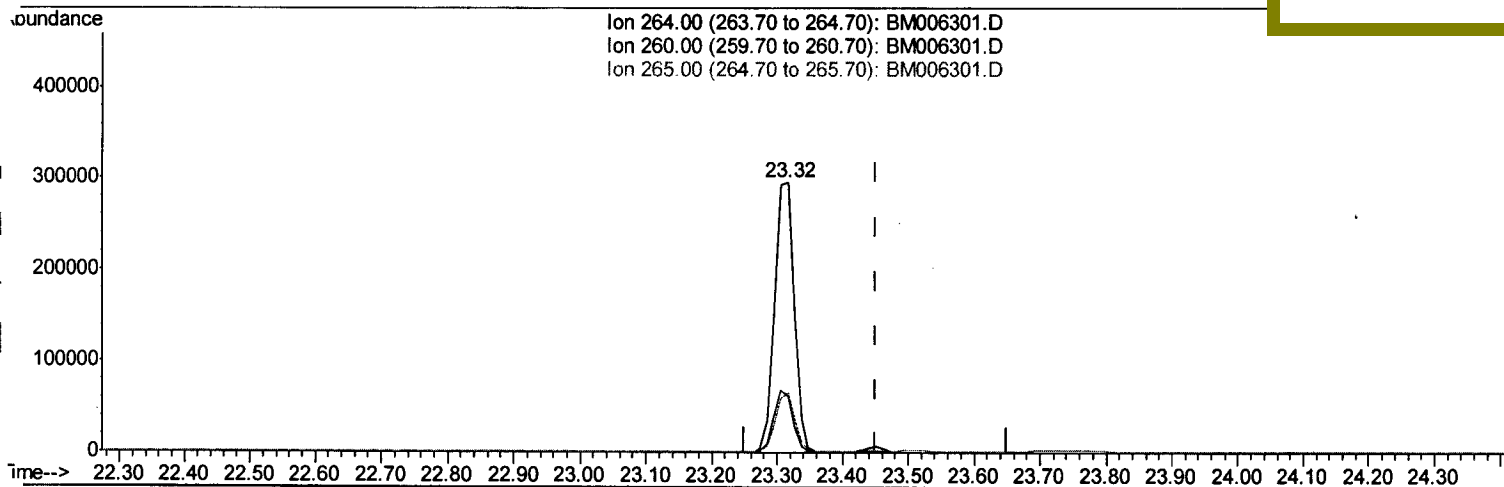
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrati

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(22) Perylene-d12 (I)

23.316min (-0.135) 0.40ng/ul

response 598036

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.10
265.00	38.20	22.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

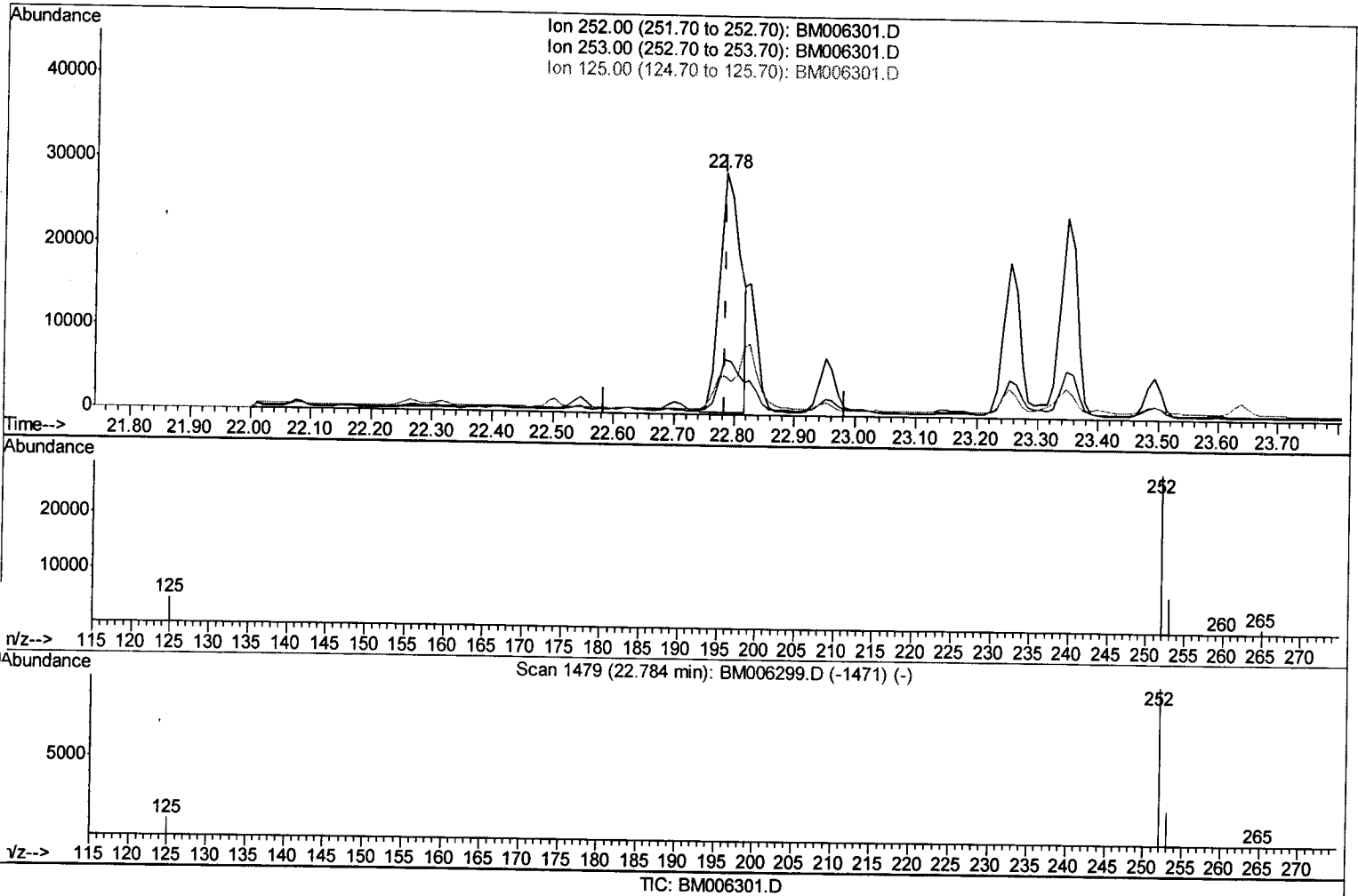
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(23) Benzo(b)fluoranthene

22.784min (+0.000) 1.62ng/ul m

response 70217

U.M
 07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.86
125.00	14.40	15.81
0.00	0.00	0.00

Quantitation Report (Qedit)

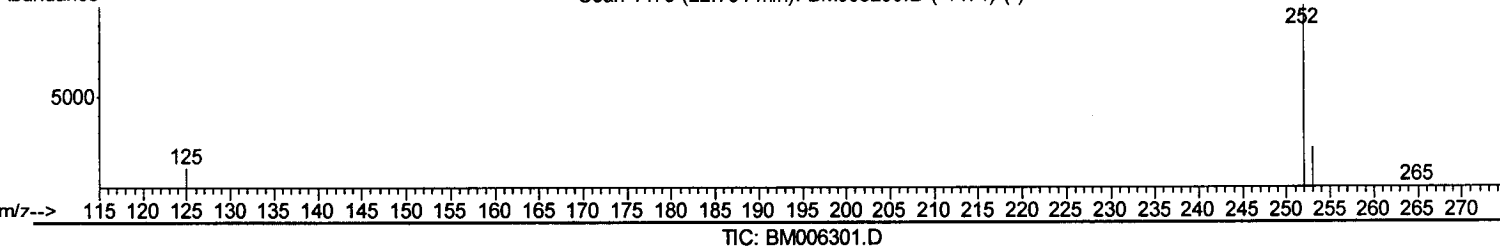
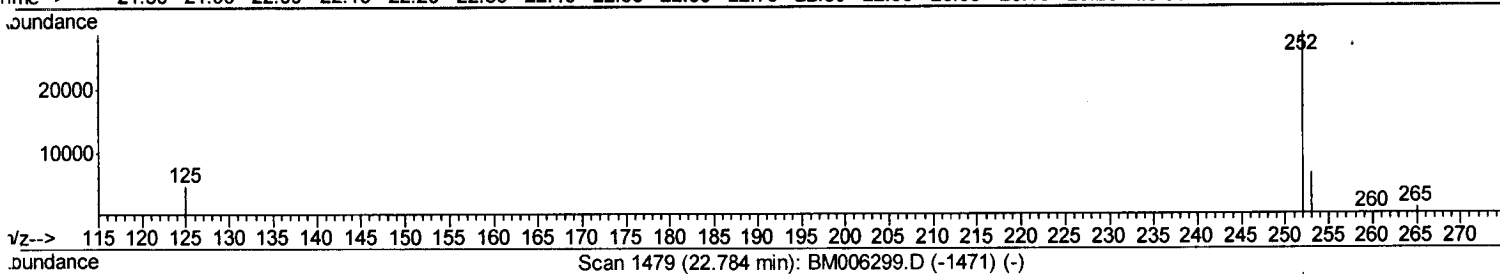
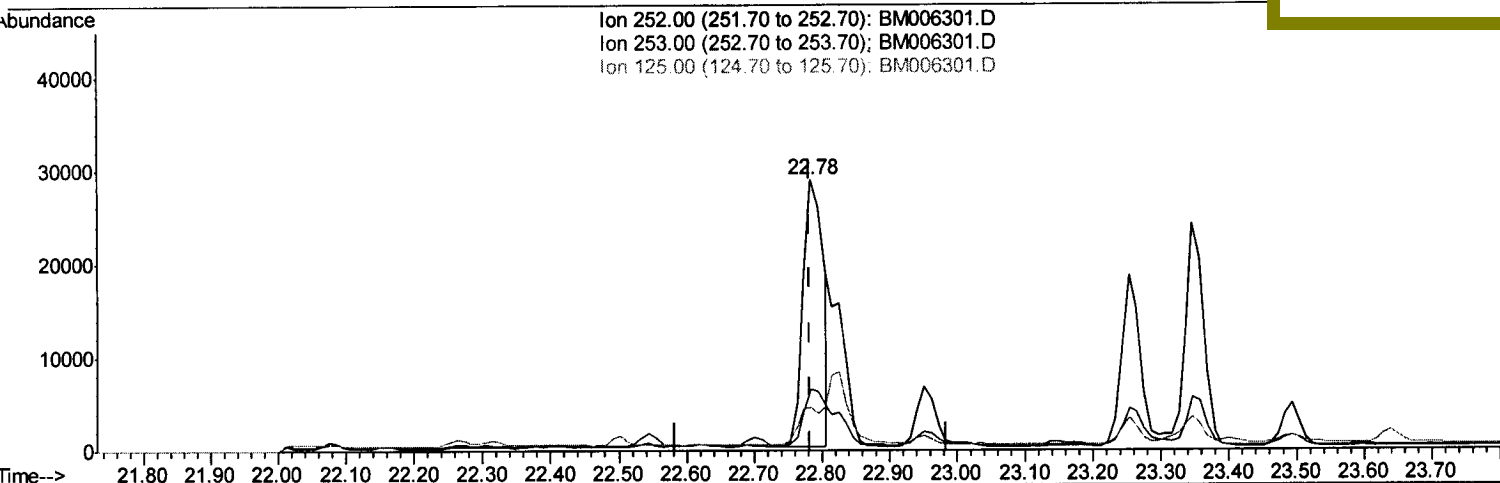
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5

Manual Integration

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(23) Benzo(b)fluoranthene

22.784min (+0.000) 1.38ng/ui

response 59862

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.86
125.00	14.40	15.81
0.00	0.00	0.00

Quantitation Report (Qedit)

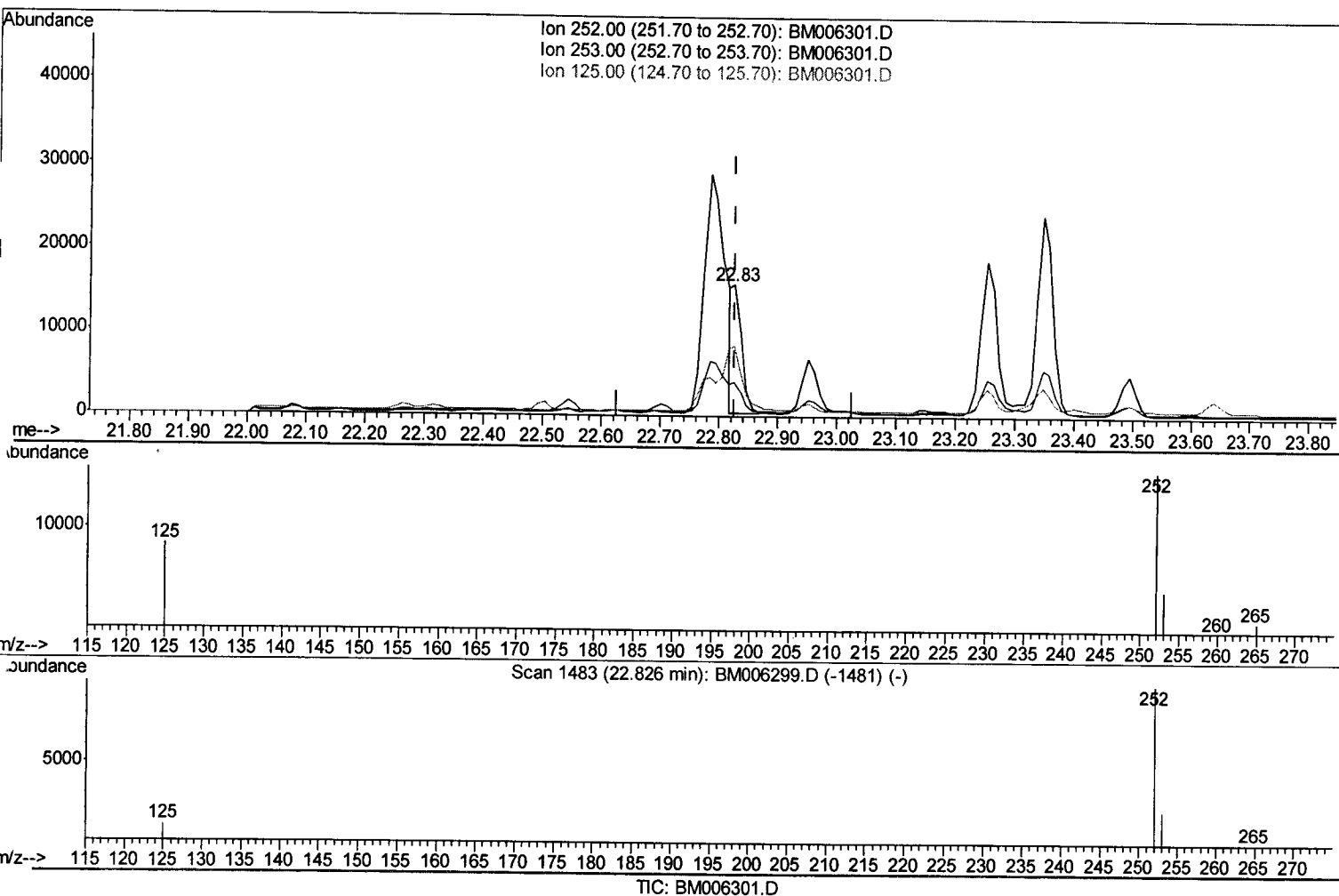
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(24) Benzo(k)fluoranthene

22.826min (+0.000) 0.44ng/ul m

response 17766

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	25.69
125.00	13.00	53.10#
0.00	0.00	0.00

U.M
 07/11/16

Quantitation Report (Qedit)

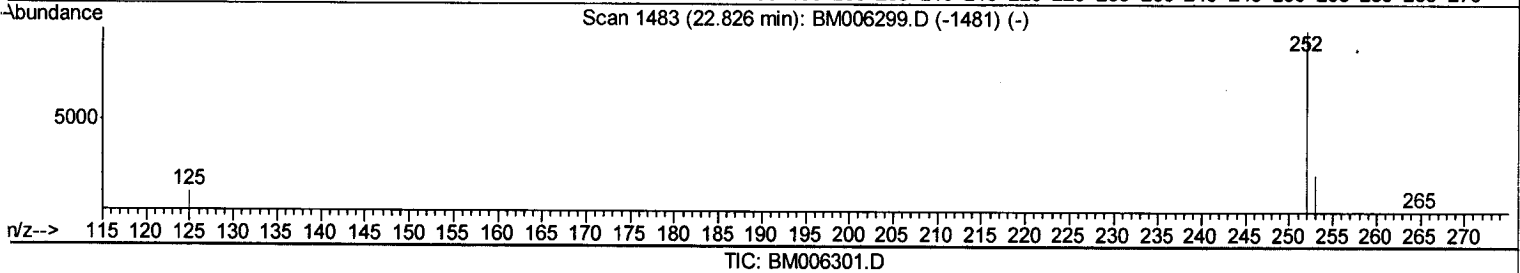
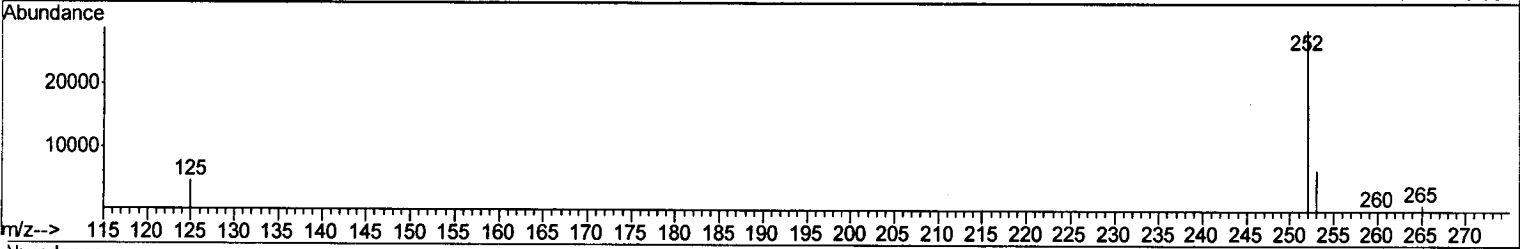
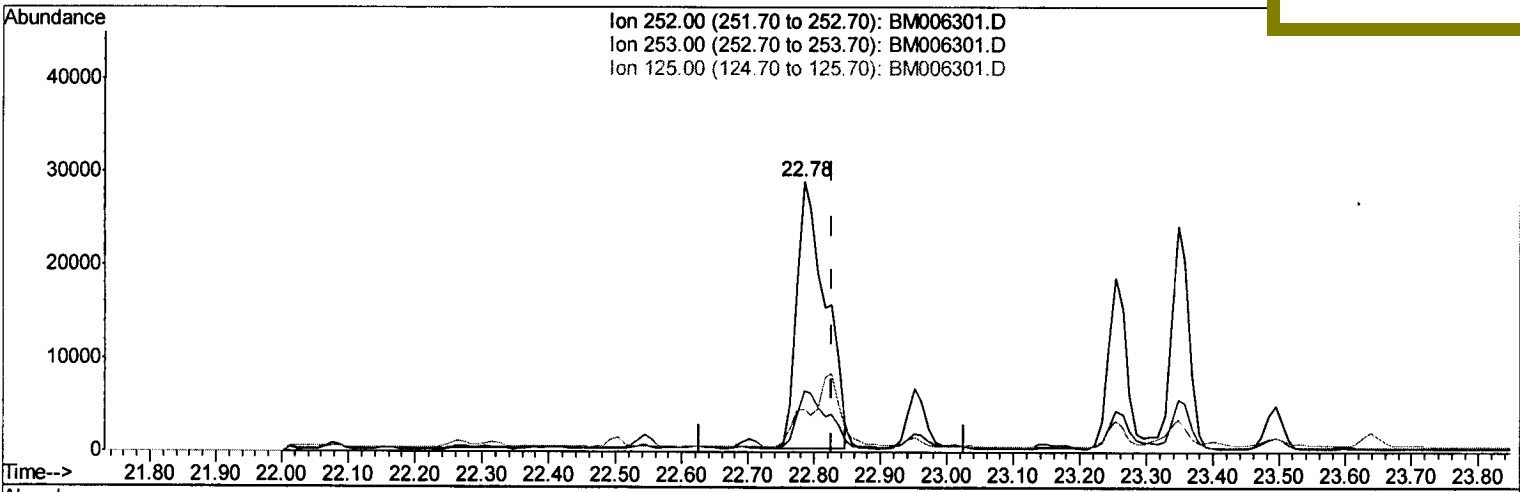
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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(24) Benzo(k)fluoranthene
 22.784min (-0.041) 2.14ng/ul
 response 86363

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	22.86
125.00	13.00	15.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

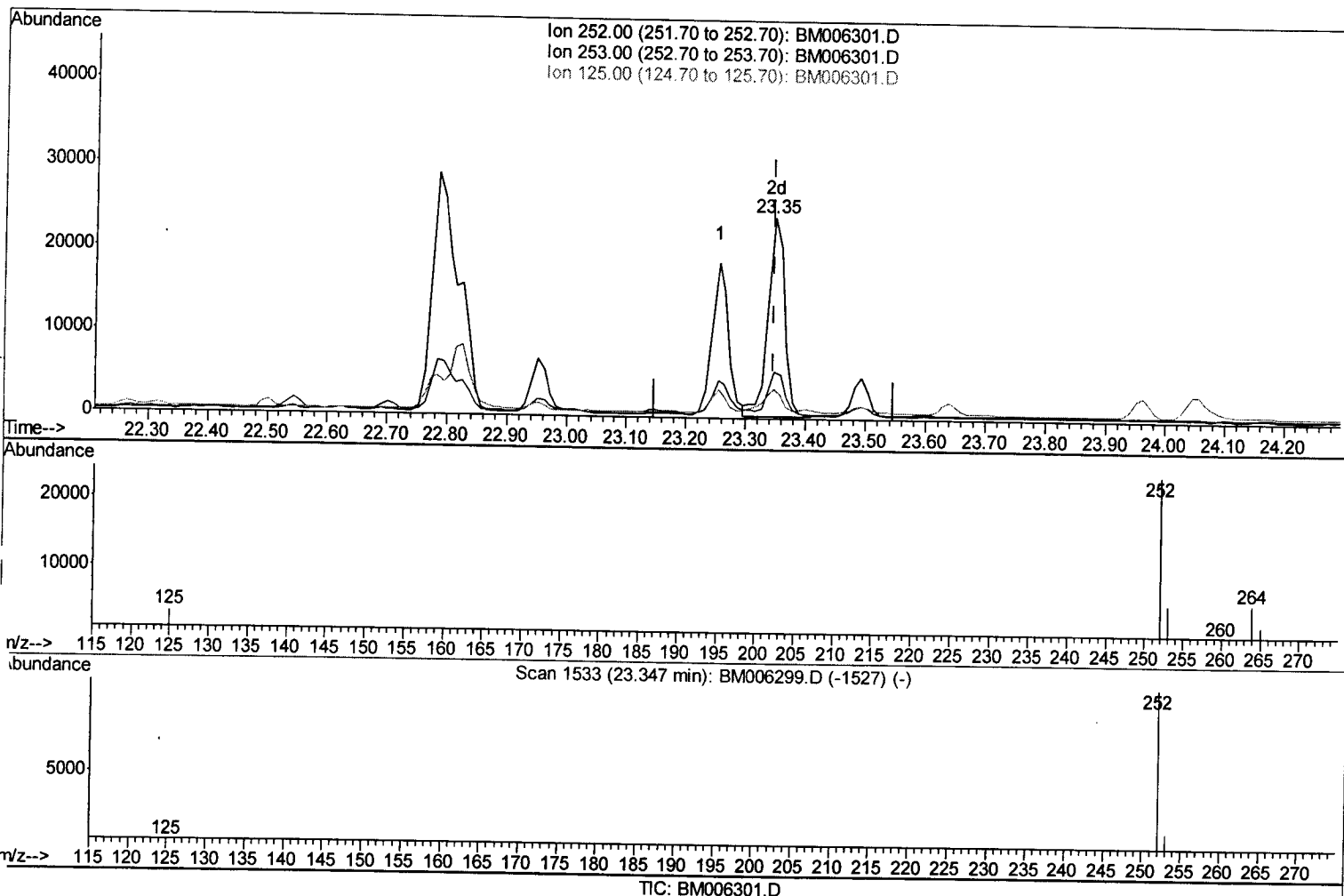
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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(25) Benzo(a)pyrene (C)

23.347min (+0.000) 1.15ng/ul m U.M

response 46513

07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	23.30
125.00	15.90	14.56
0.00	0.00	0.00

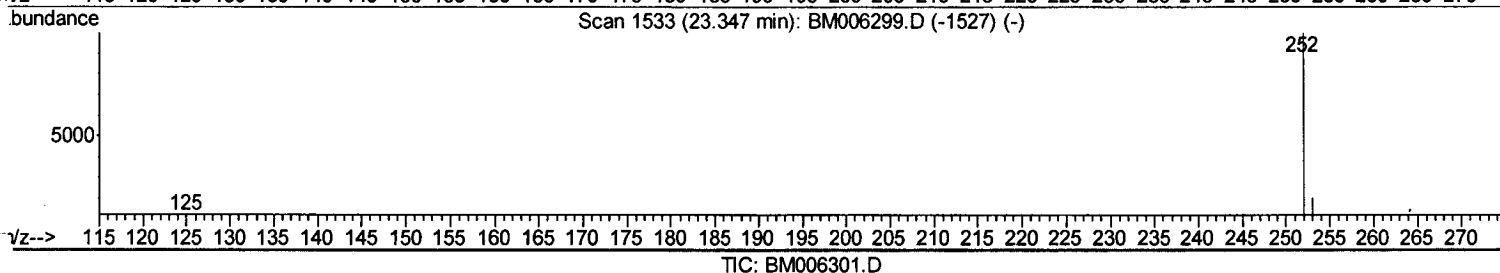
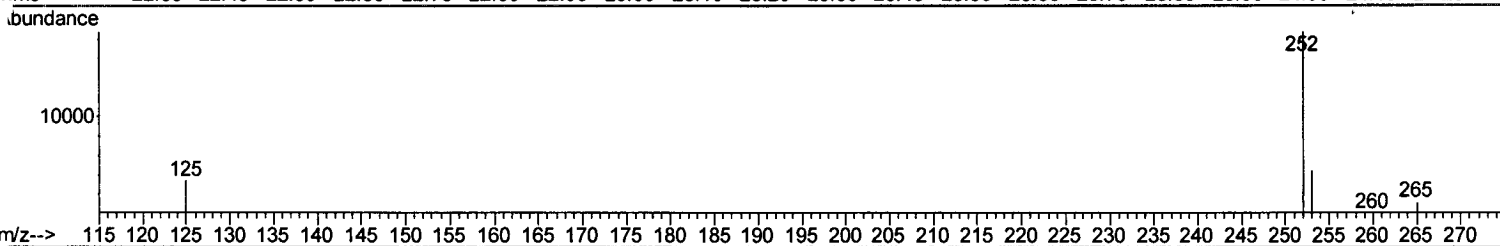
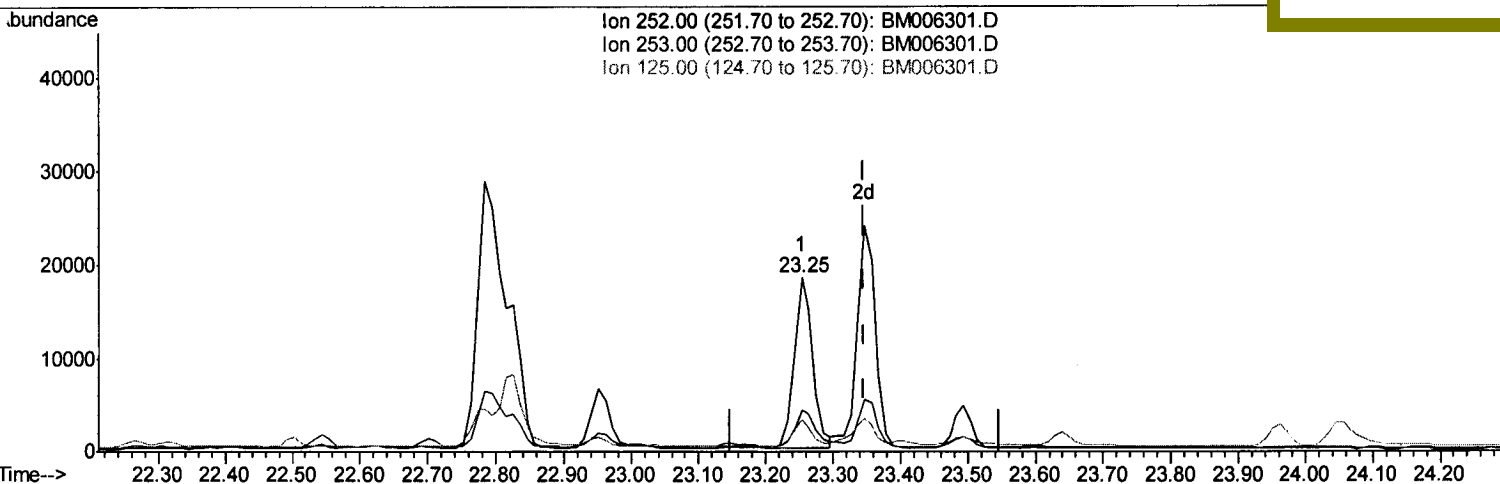
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TIC: BM006301.D

(25) Benzo(a)pyrene (C)

23.253min (-0.094) 0.86ng/ul

response 34649

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	23.60
125.00	15.90	18.31
0.00	0.00	0.00

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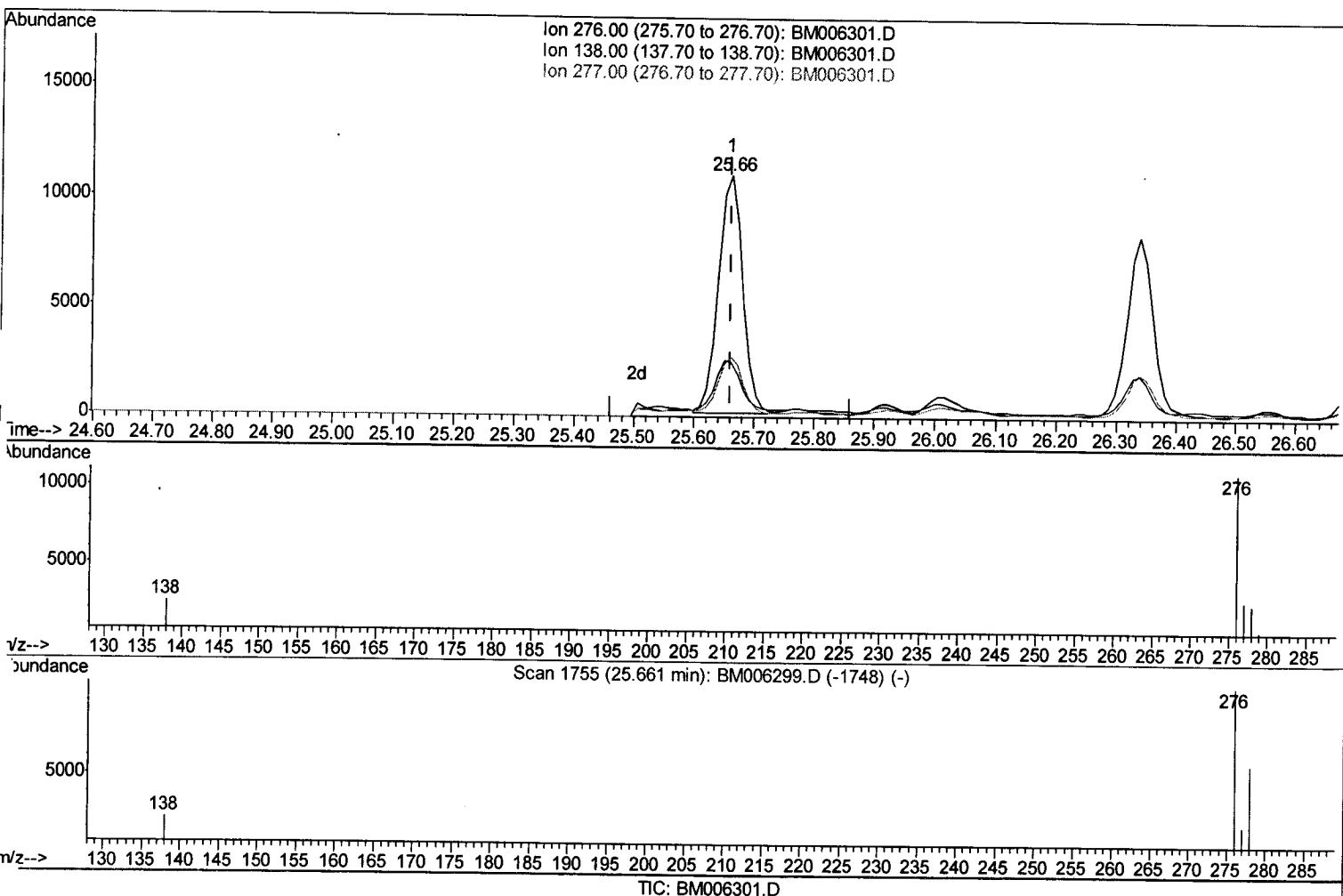
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(26) Indeno(1,2,3-cd)pyrene

25.661min (+0.000) 0.69ng/ul m

response 30710

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	18.34
277.00	24.80	18.17#
0.00	0.00	0.00

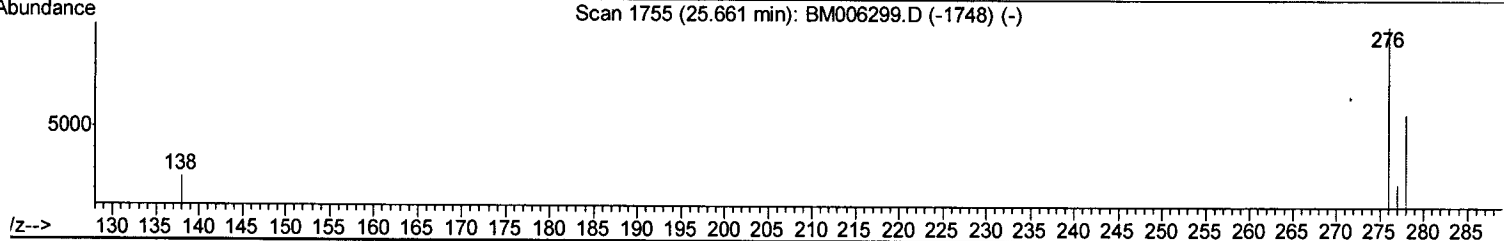
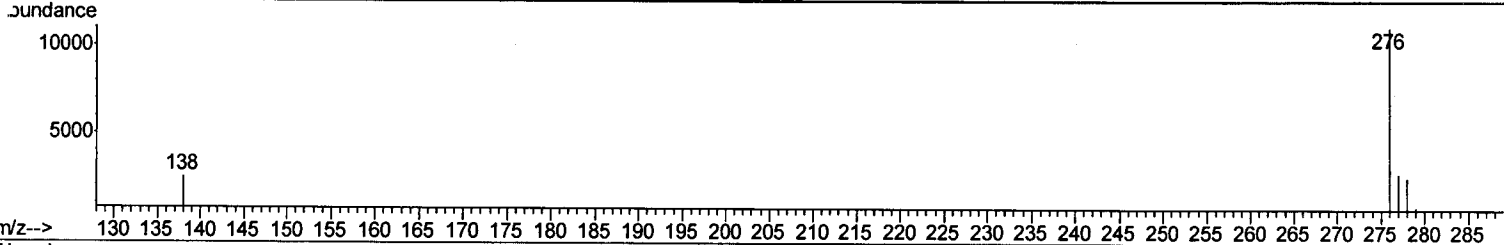
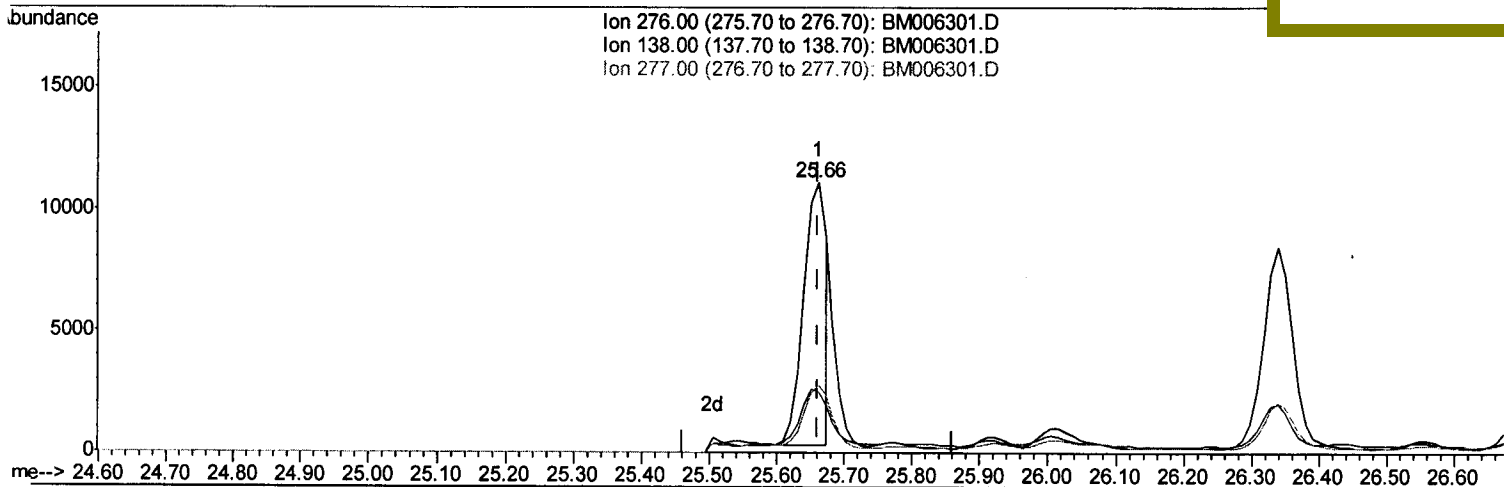
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TIC: BM006301.D

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

25.661min (+0.000) 0.56ng/ul

response 25072

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	22.47
277.00	24.80	22.26
0.00	0.00	0.00

Quantitation Report (Qedit)

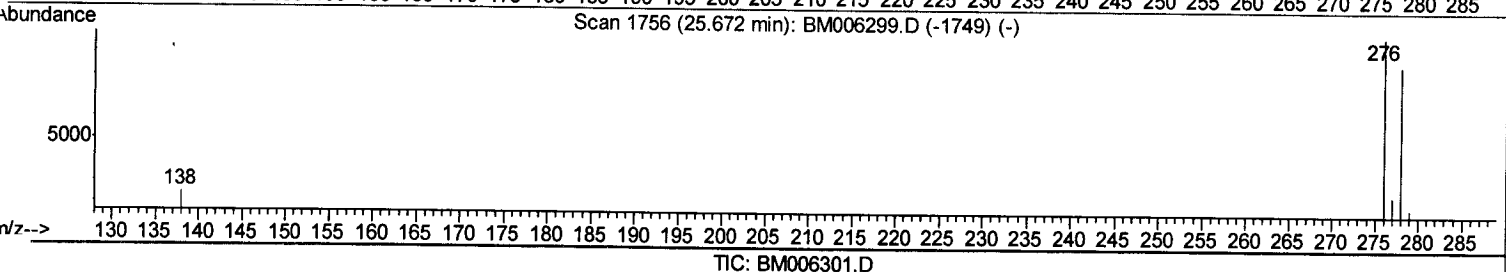
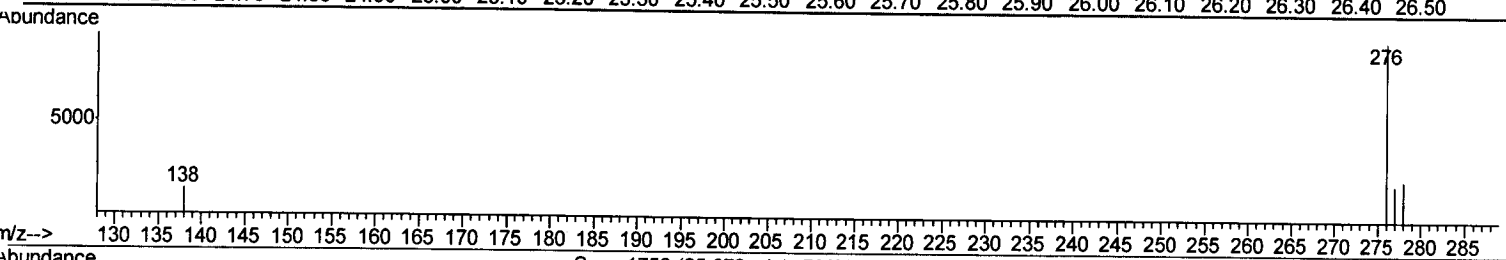
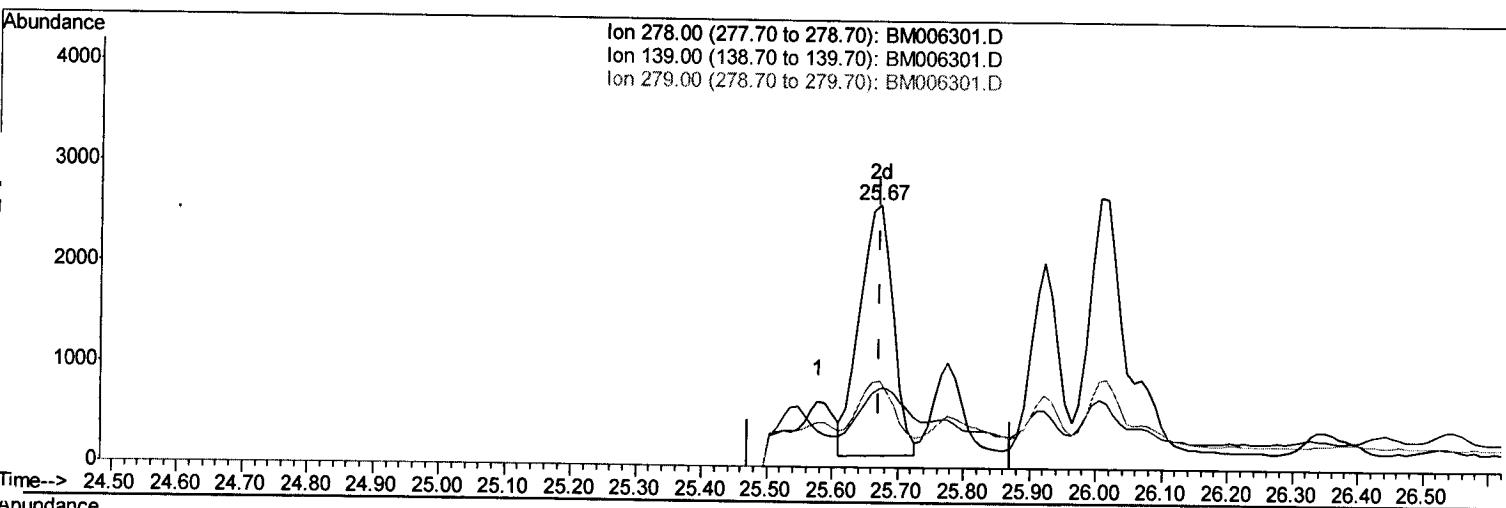
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5

Manual Integration

umangi
 7/7/2016 6:06:20 PM

Quant Time: Jul 07 11:54:37 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: BM006301.D

(27) Dibenzo(a,h)anthracene

25.672min (+0.000) 0.25ng/ul m *U.M*

response 8898

07/11/16

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	30.18#
279.00	25.20	32.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

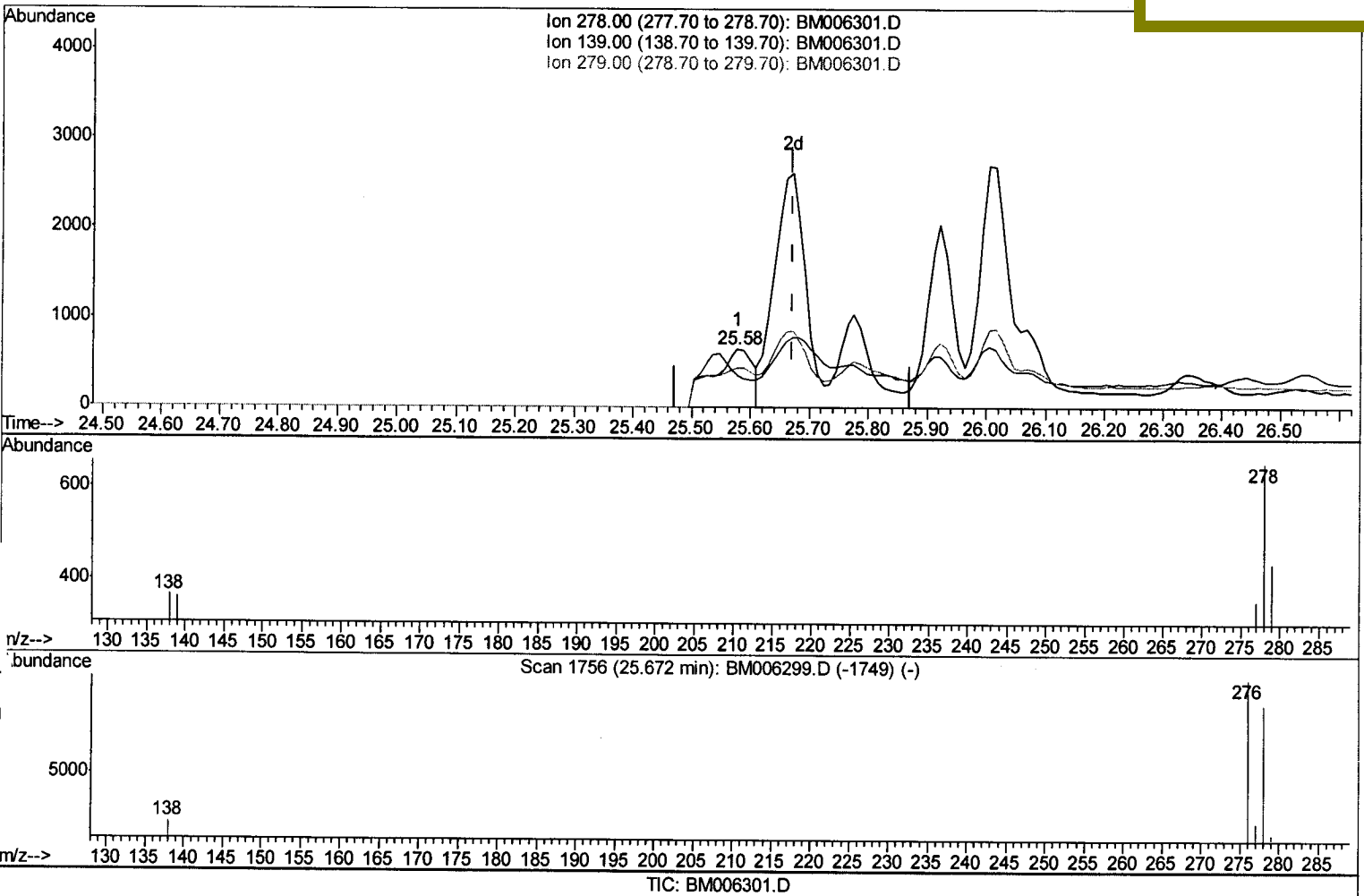
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5

Quant Time: Jul 07 11:54:37 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 6:06:20 PM



(27) Dibenzo(a,h)anthracene

25.578min (-0.094) 0.09ng/ul

response 3108

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	55.35#
279.00	25.20	66.97#
0.00	0.00	0.00

Quantitation Report (Qedit)

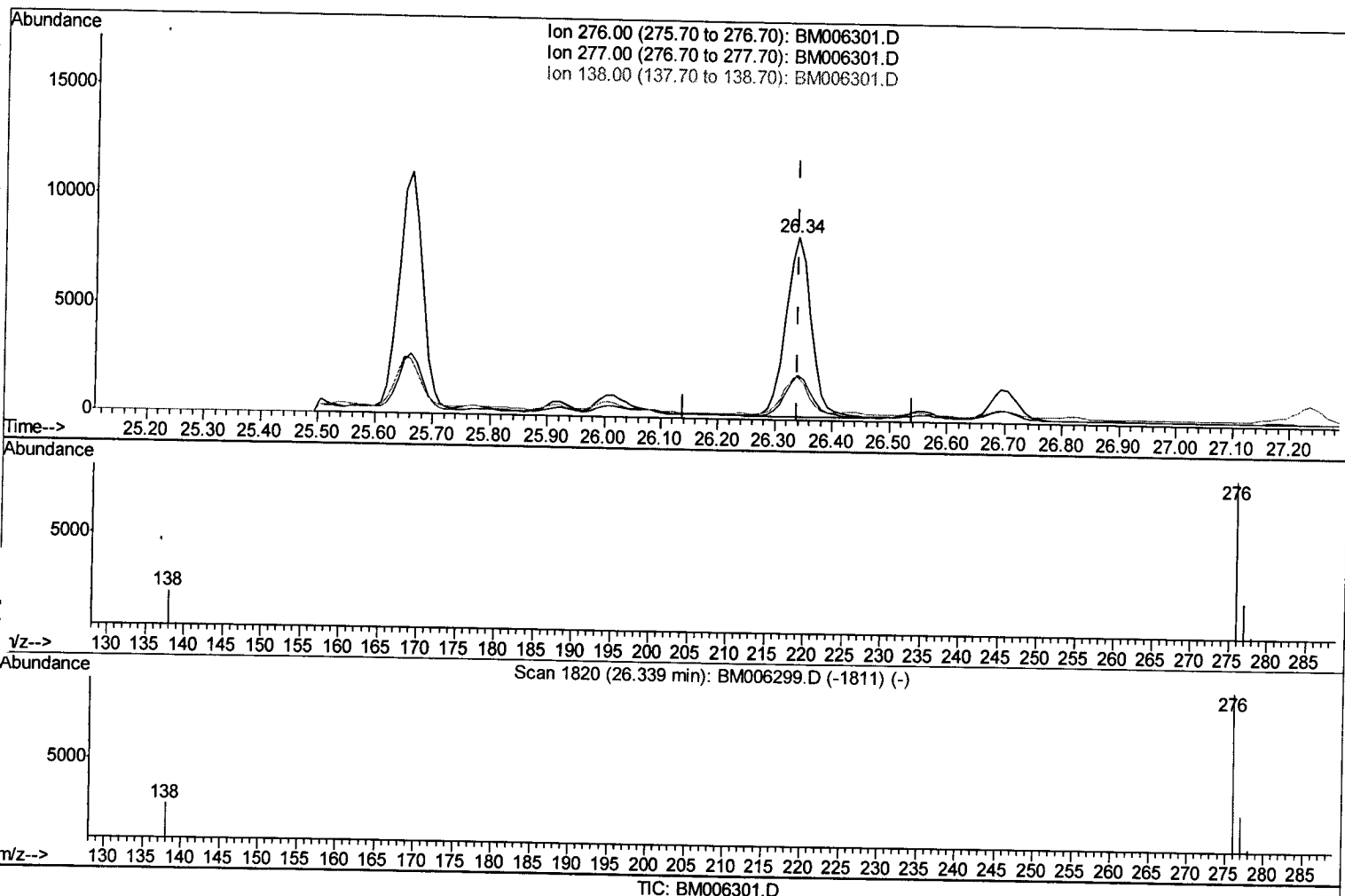
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5

Manual Integration

umangi
 7/7/2016 6:06:20 PM

Quant Time: Jul 07 11:54:37 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



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

26.339min (+0.000) 0.67ng/ul m U.M
 response 25508 07/11/16

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	24.69
138.00	28.10	23.63
0.00	0.00	0.00

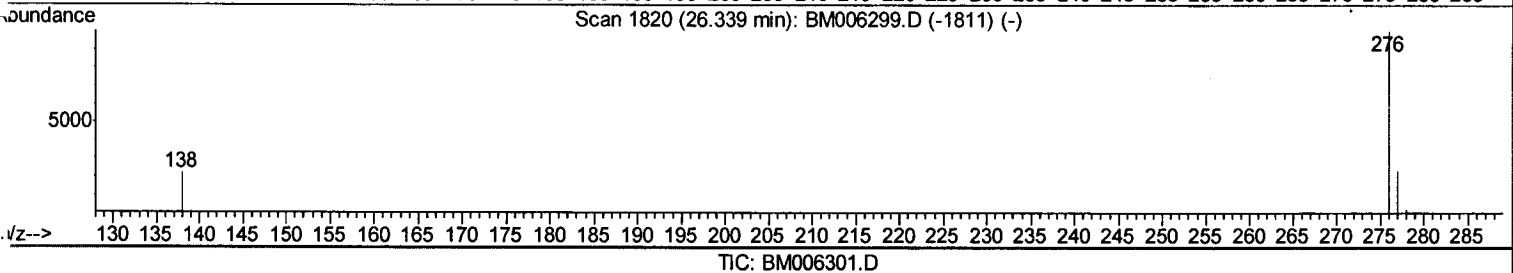
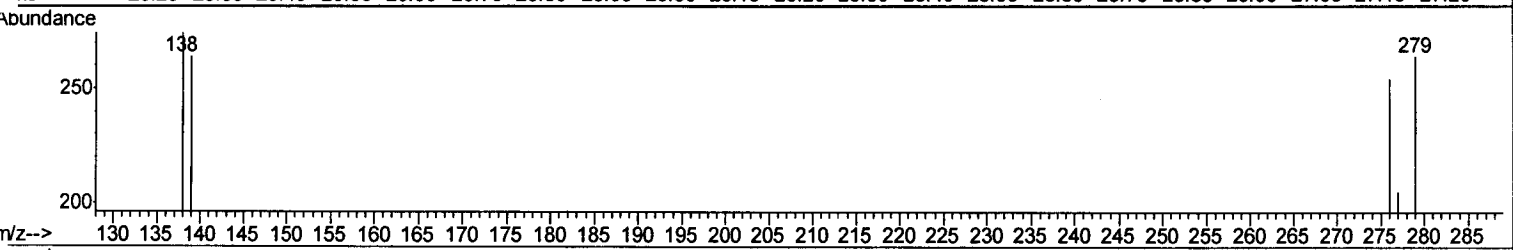
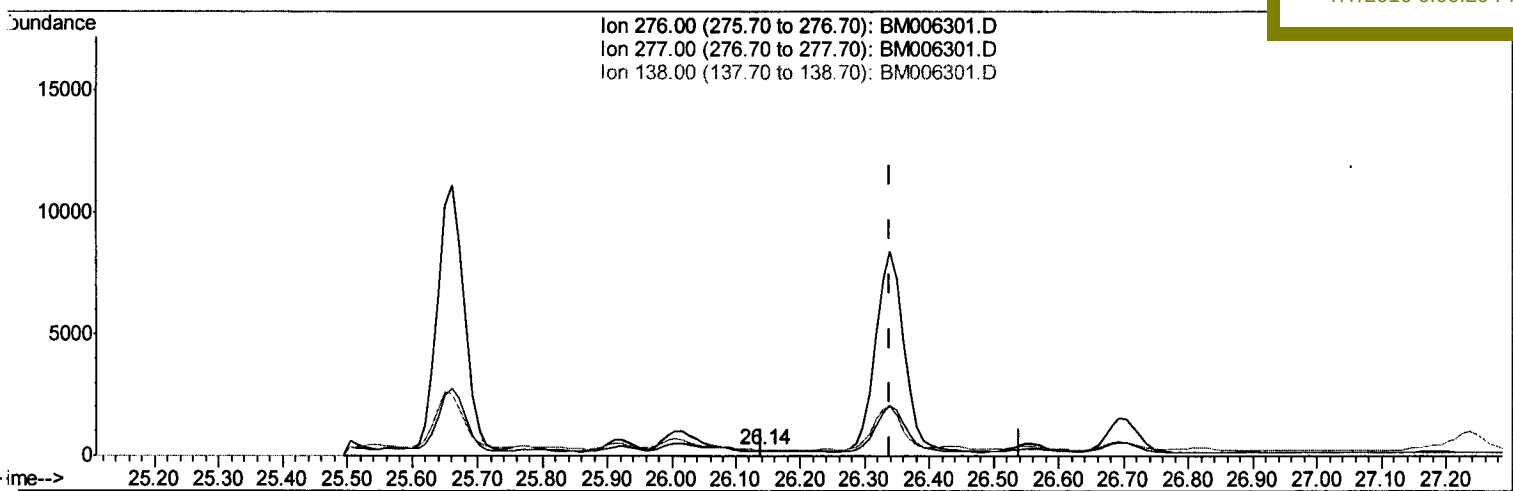
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006301.D
Acq On : 07 Jul 2016 02:53
Operator : UM/SJ
Sample : H3811-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TW5

Manual Integration

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Quant Time: Jul 07 11:54:37 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



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

26.141min (-0.198) 0.01ng/ul

response 243

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	80.71#
138.00	28.10	107.87#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006301.D
 Acq On : 07 Jul 2016 02:53
 Operator : UM/SJ
 Sample : H3811-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 A4TW5

Quant Time: Jul 07 11:58:45 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	4835	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19248	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10800	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	22149m	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	14457	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	12097m	0.40	ng/ul	0.00

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System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	6748	3.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6177	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	12610	0.27	ng/ul	-0.01

Target Compounds

						Qvalue
5) Naphthalene	10.48	128	3414	0.08	ng/ul#	92
7) 2-Methylnaphthalene	12.09	142	1734	0.06	ng/ul	100
9) Acenaphthylene	14.01	152	12264	0.34	ng/ul#	93
10) Acenaphthene	14.35	153	1144	0.03	ng/ul#	87
11) Fluorene	15.34	166	3331	0.08	ng/ul#	79
14) Phenanthrene	17.07	178	59635m	0.97	ng/ul	
15) Anthracene	17.16	178	13705	0.24	ng/ul#	92
17) Fluoranthene	19.11	202	124829m	1.85	ng/ul	
19) Pyrene	19.47	202	141022	2.33	ng/ul	97
20) Benzo(a)anthracene	21.22	228	52292	1.12	ng/ul#	91
21) Chrysene	21.27	228	67313	1.47	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	70217m	1.62	ng/ul	
24) Benzo(k)fluoranthene	22.83	252	17766m	0.44	ng/ul	
25) Benzo(a)pyrene	23.35	252	46513m	1.15	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.66	276	30710m	0.69	ng/ul	
27) Dibenzo(a,h)anthracene	25.67	278	8898m	0.25	ng/ul	
28) Benzo(g,h,i)perylene	26.34	276	25508m	0.67	ng/ul	

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