

Quantitation Report (QT Reviewed)

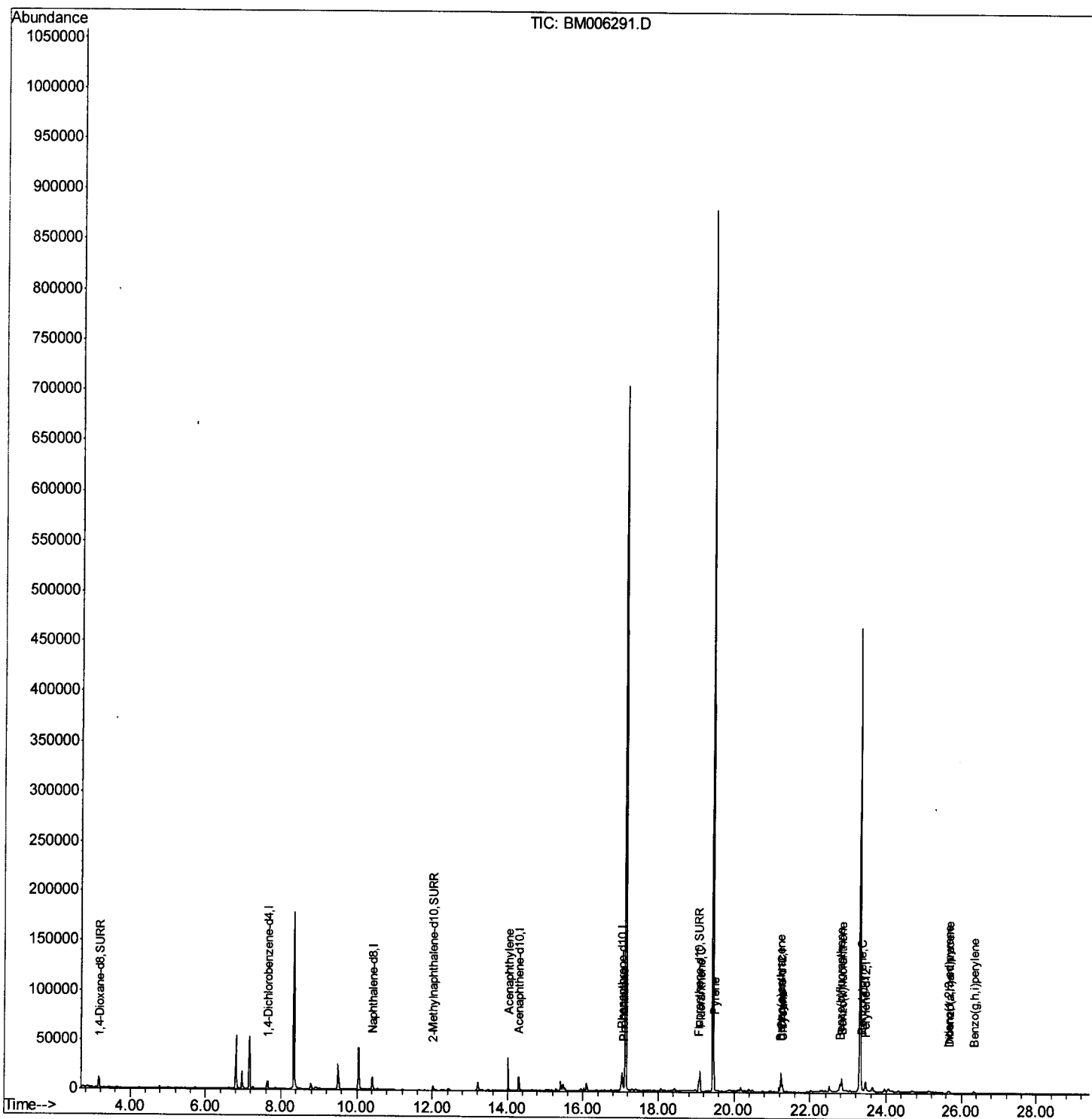
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integration

Quant Time: Jul 07 11:06:58 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
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Quantitation Report (Qedit)

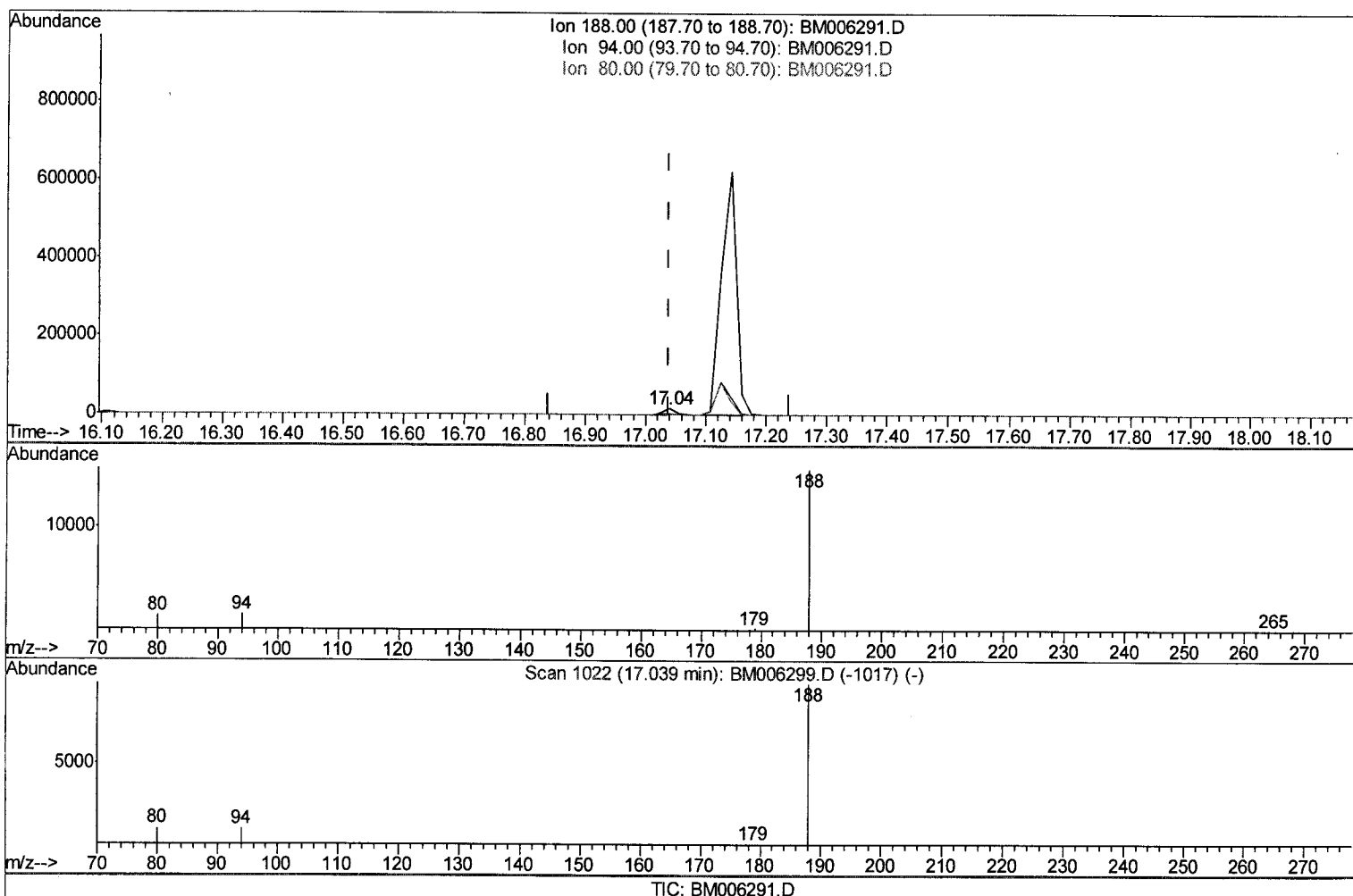
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integration

Quant Time: Jul 07 11:02:15 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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(12) Phenanthrene-d10 (I)

17.039min (+0.000) 0.40ng/ul m *U.M*
07/11/16

response 22986

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	9.71
80.00	11.90	9.04#
0.00	0.00	0.00

Quantitation Report (Qedit)

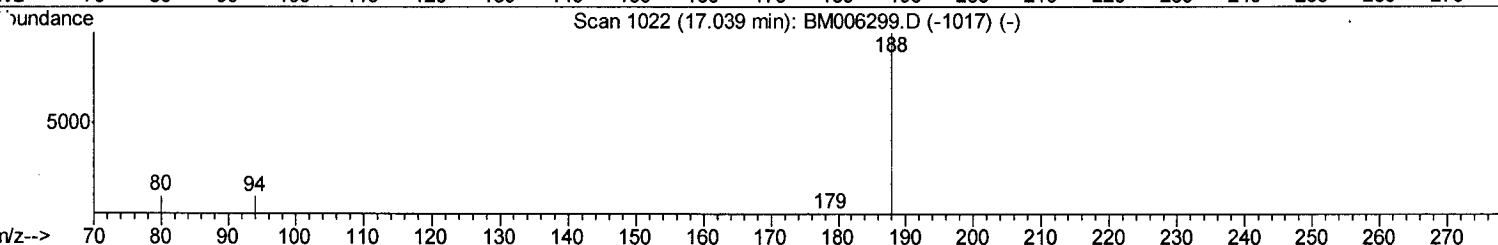
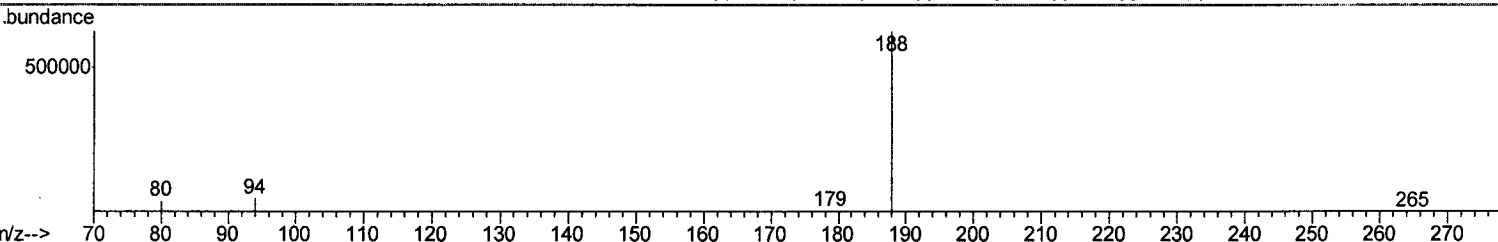
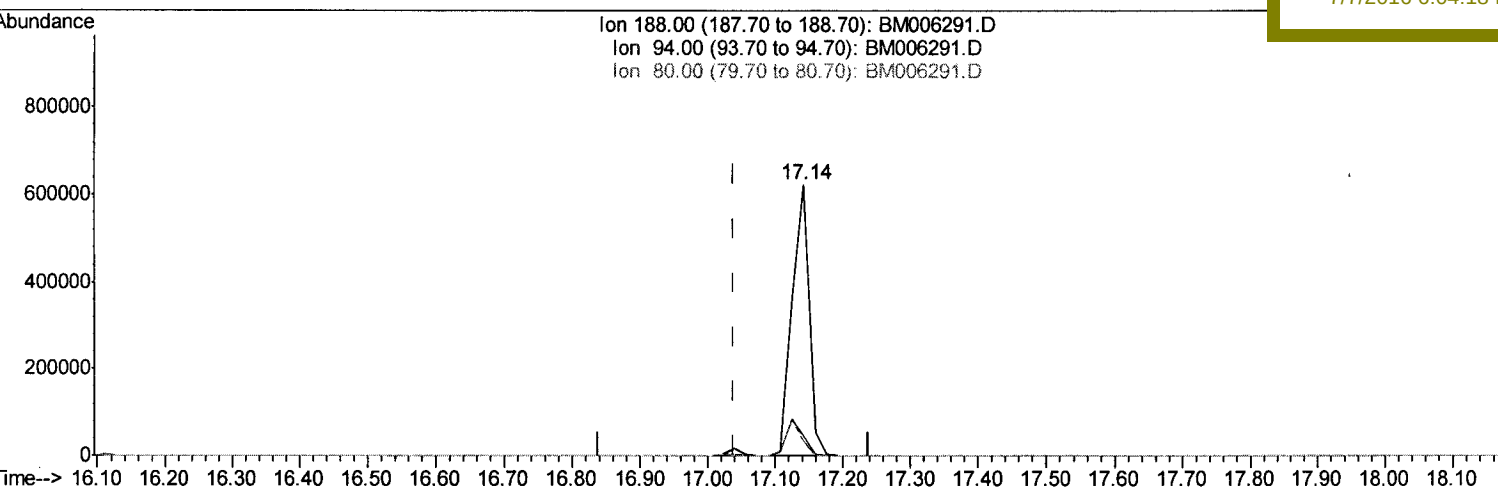
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006291.D
Acq On : 06 Jul 2016 20:14
Operator : UM/SJ
Sample : H3811-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integration

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Quant Time: Jul 07 11:02:15 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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TIC: BM006291.D

(12) Phenanthrene-d10 (I)

17.142min (+0.103) 0.40ng/ul

response 1085748

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.49#
80.00	11.90	5.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

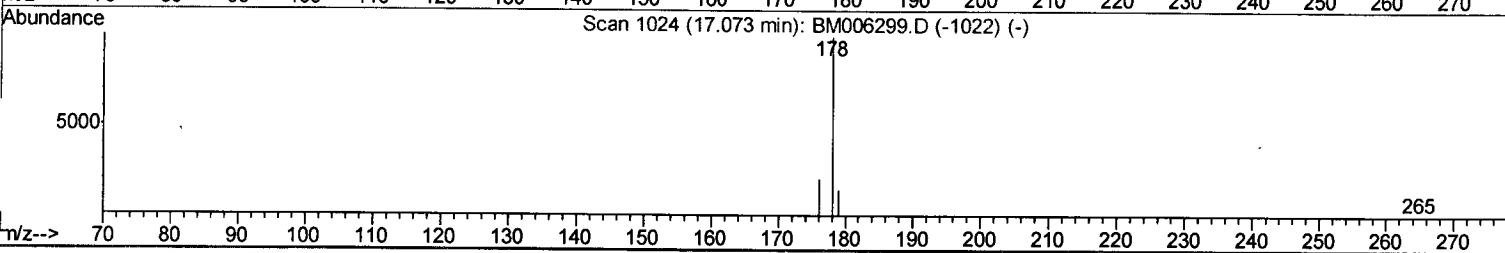
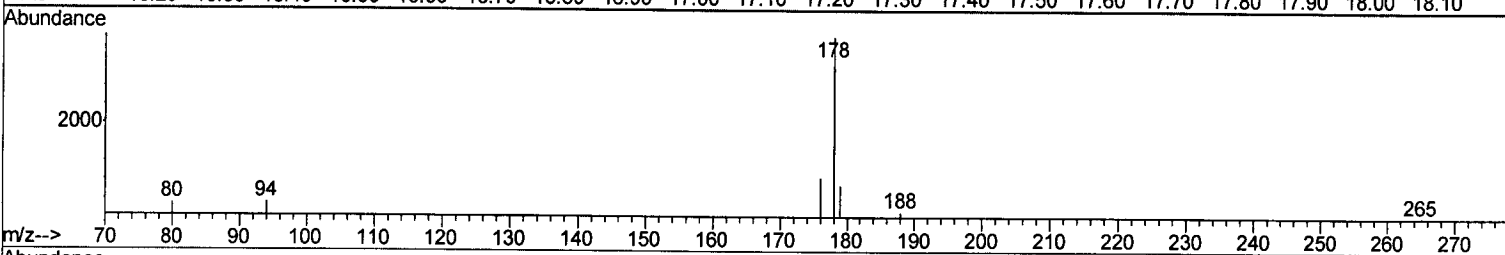
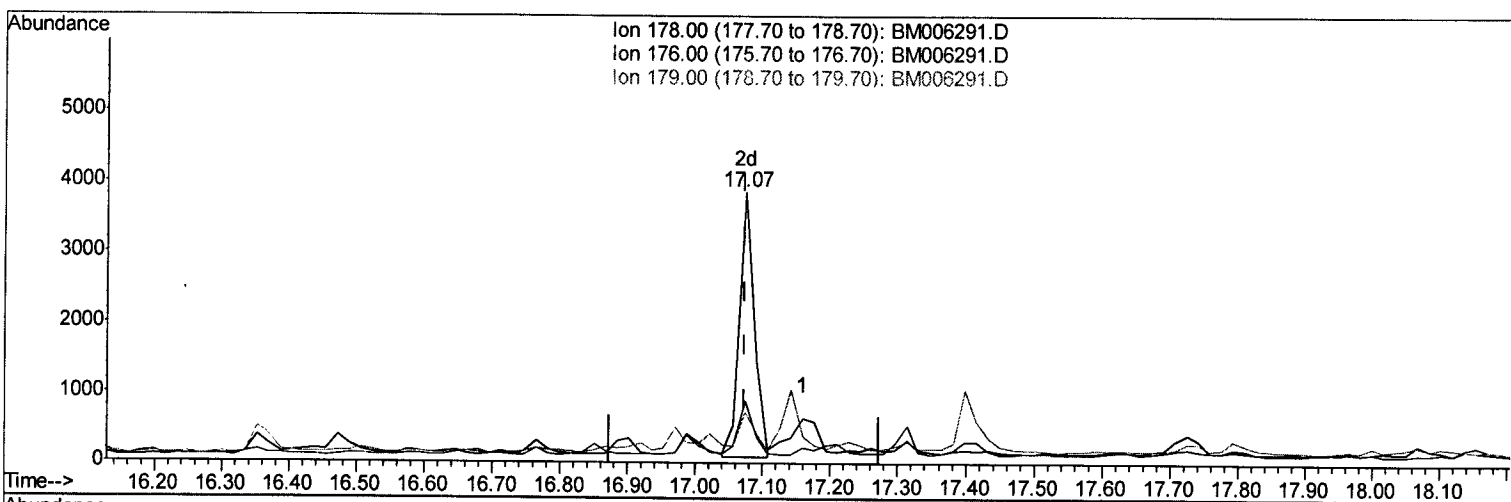
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integration

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Quant Time: Jul 07 11:03:17 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: BM006291.D

(14) Phenanthrene

17.073min (+0.000) 0.09ng/ul m

response 5858

Ion Exp% Act%

178.00 100 100

176.00 16.20 23.22#

179.00 17.70 19.15

0.00 0.00 0.00

U.M
 07/11/16

Quantitation Report (Qedit)

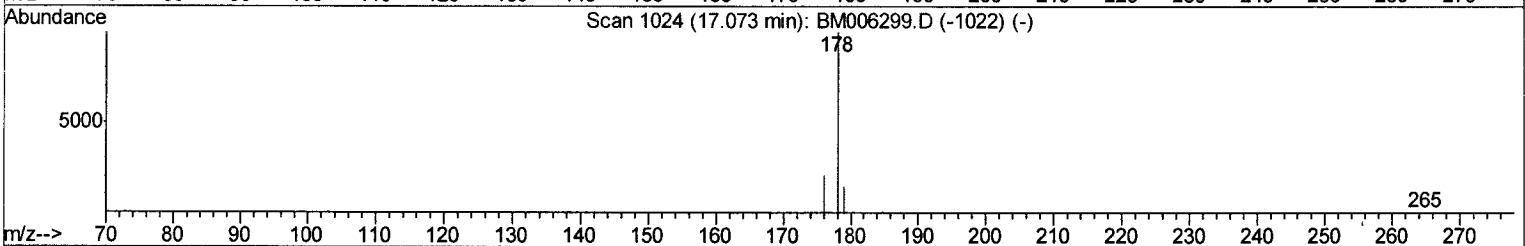
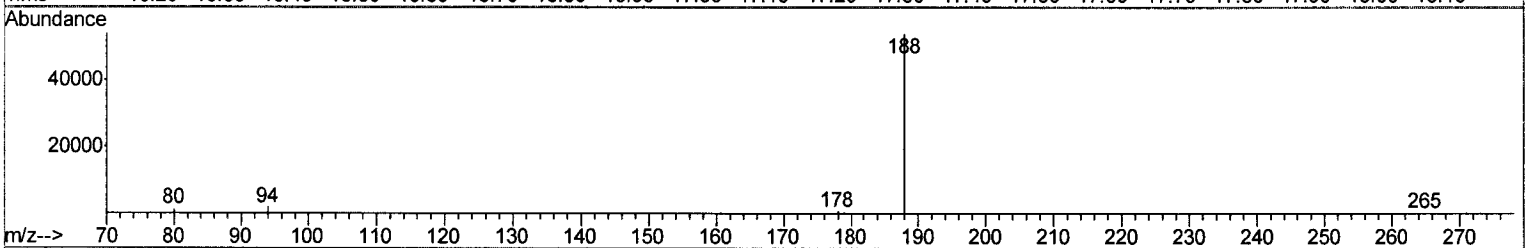
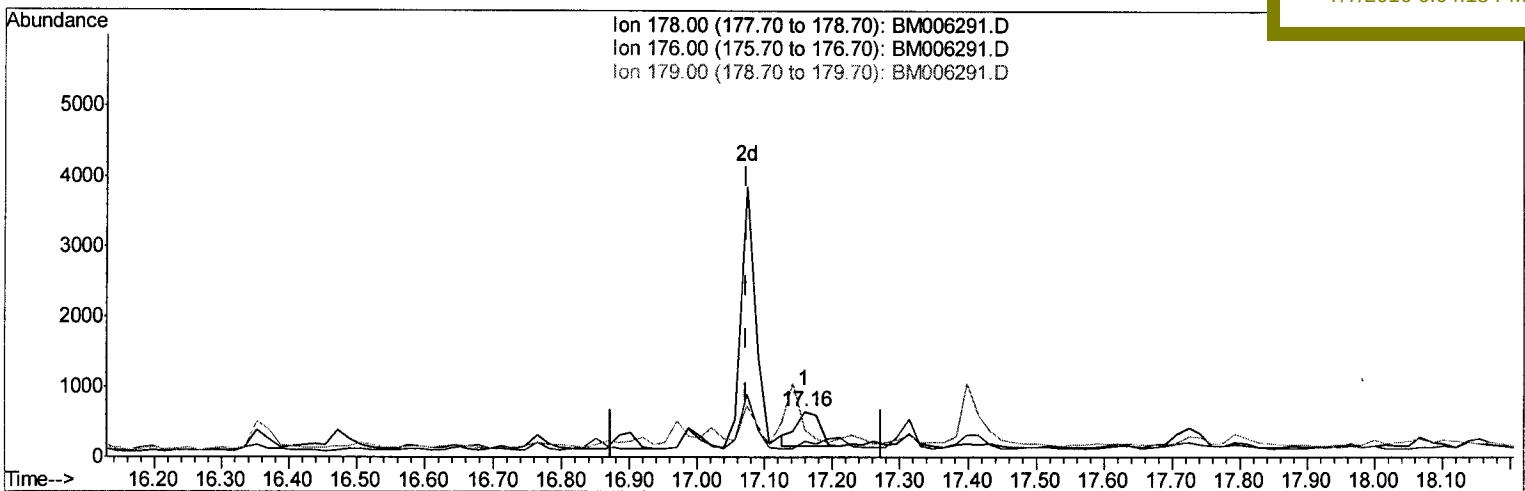
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Jul 07 11:03:17 2016
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TIC: BM006291.D

(14) Phenanthrene

17.159min (+0.086) 0.02ng/ul

response 1184

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	34.46#
179.00	17.70	58.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

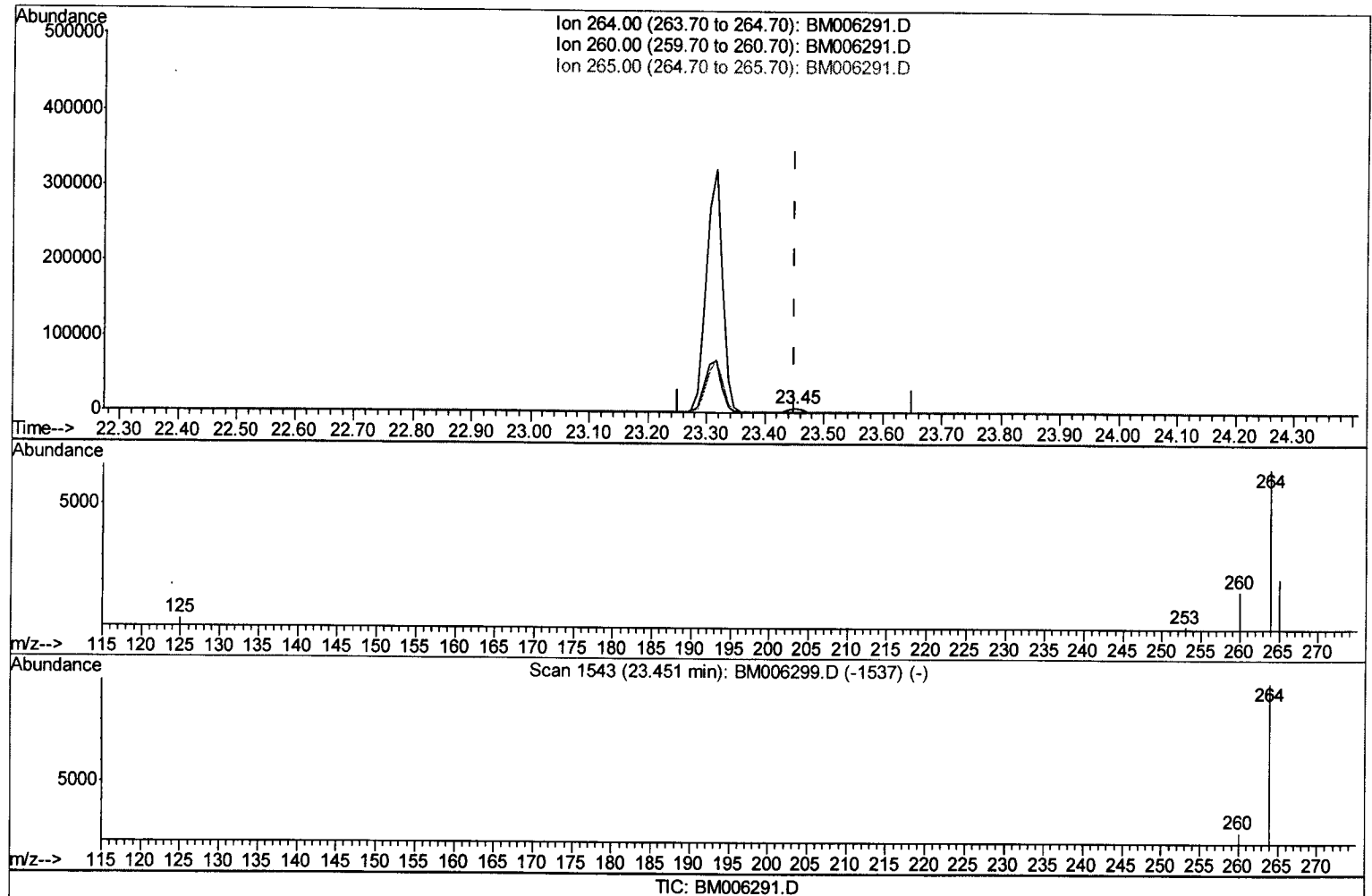
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integration

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(22) Perylene-d12 (I)

23.451min (+0.000) 0.40ng/ul m

response 11190

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.68
265.00	38.20	33.97
0.00	0.00	0.00

U.M
 07/11/16

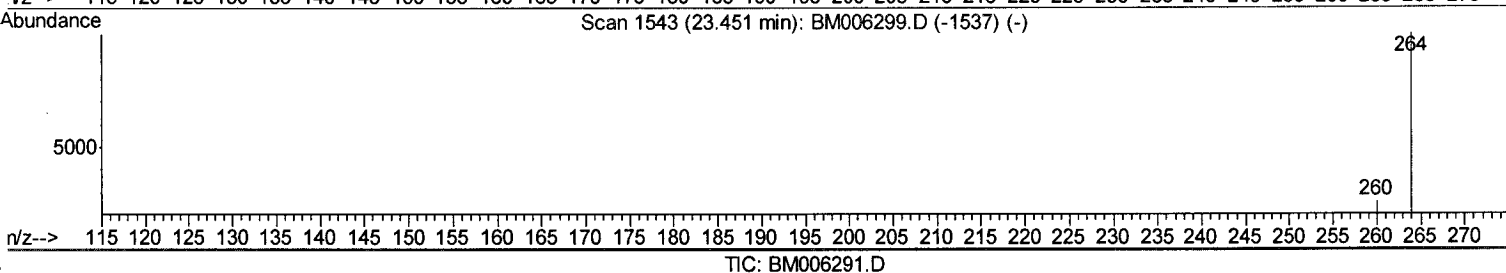
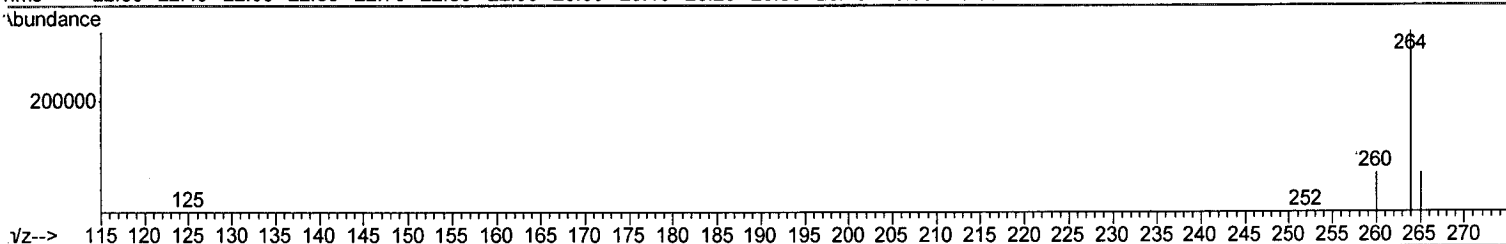
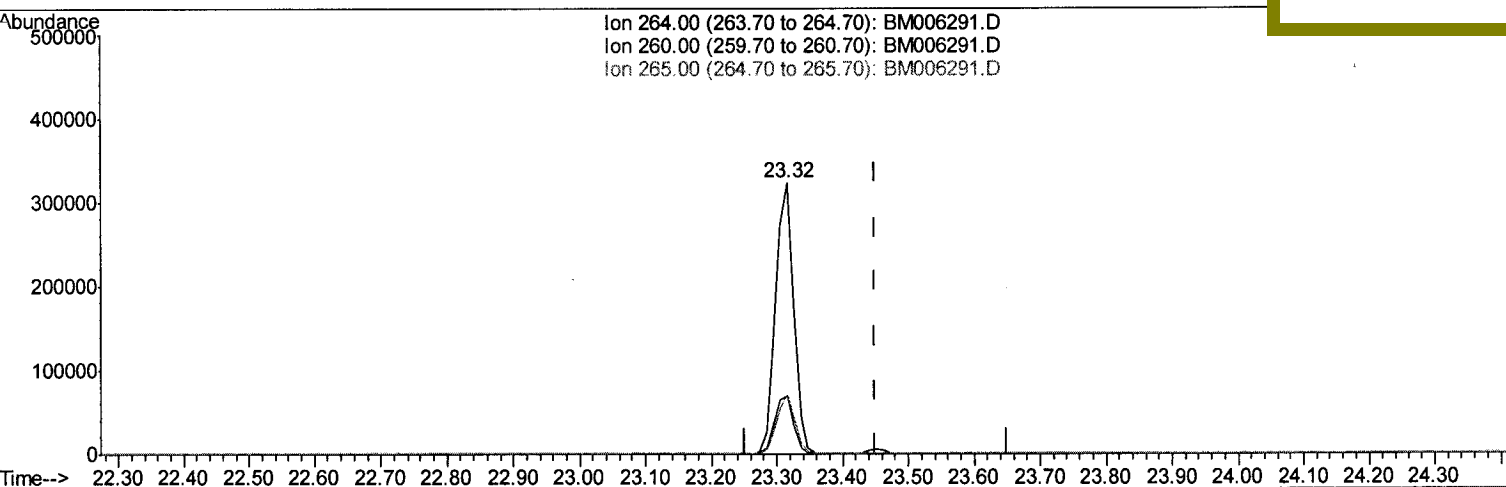
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006291.D
Acq On : 06 Jul 2016 20:14
Operator : UM/SJ
Sample : H3811-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TV5

Quant Time: Jul 07 11:03:17 2016
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Manual Integration

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(22) Perylene-d12 (I)

23.316min (-0.135) 0.40ng/ul

response 606844

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.53
265.00	38.20	21.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

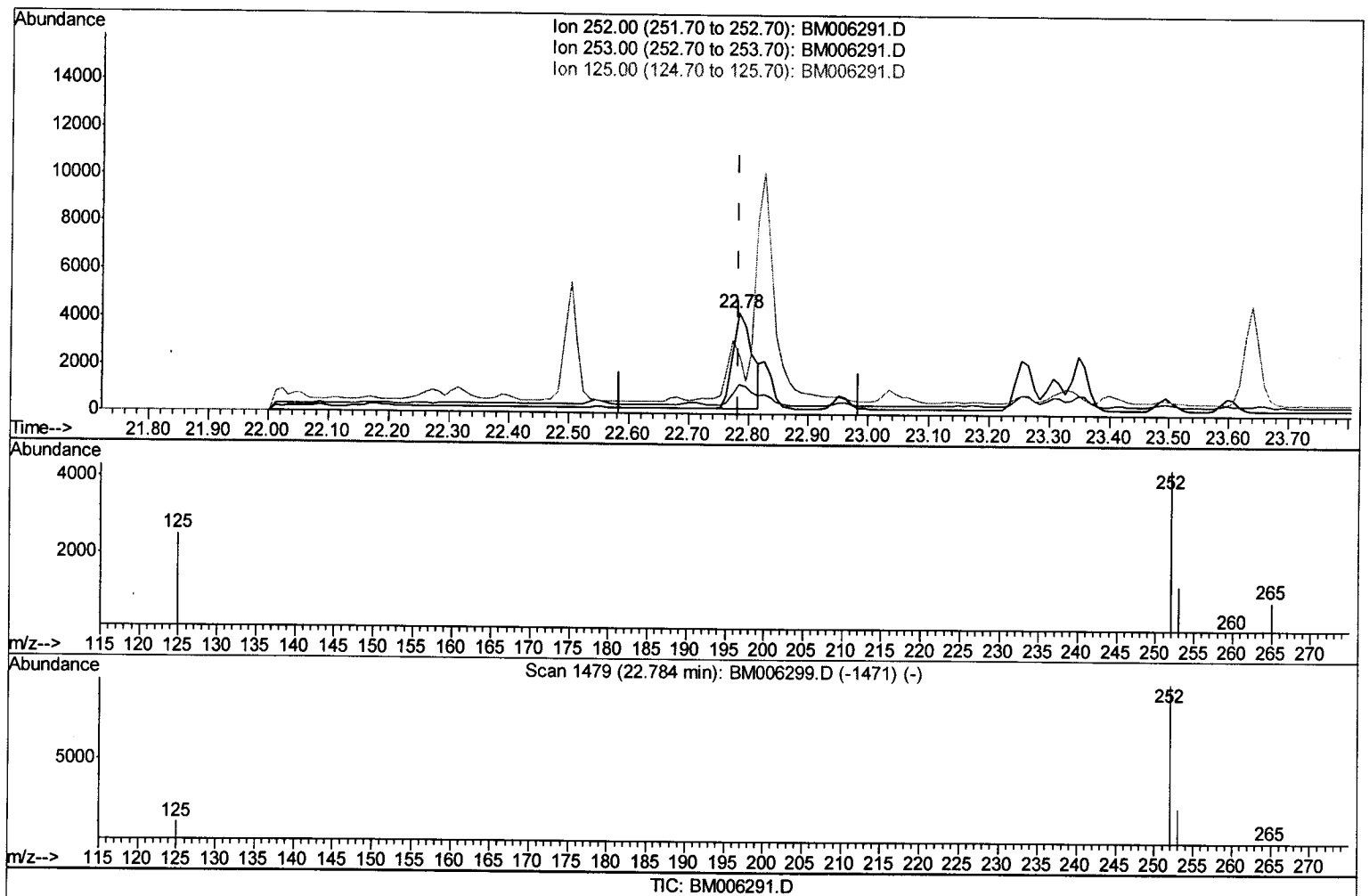
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integration

Quant Time: Jul 07 11:04:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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(23) Benzo(b)fluoranthene

22.784min (+0.000) 0.23ng/ul m U.M
 response 9261 07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	29.26
125.00	14.40	58.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

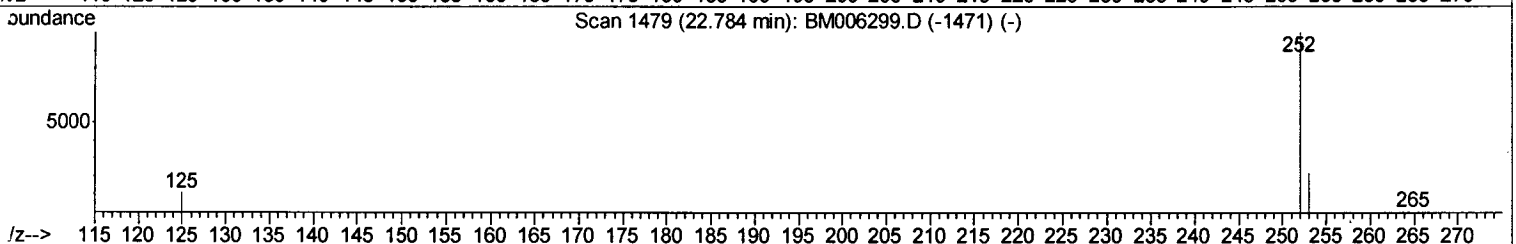
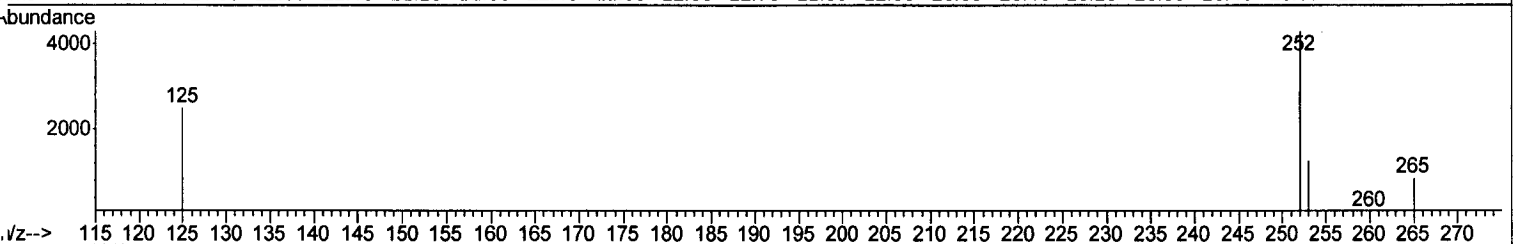
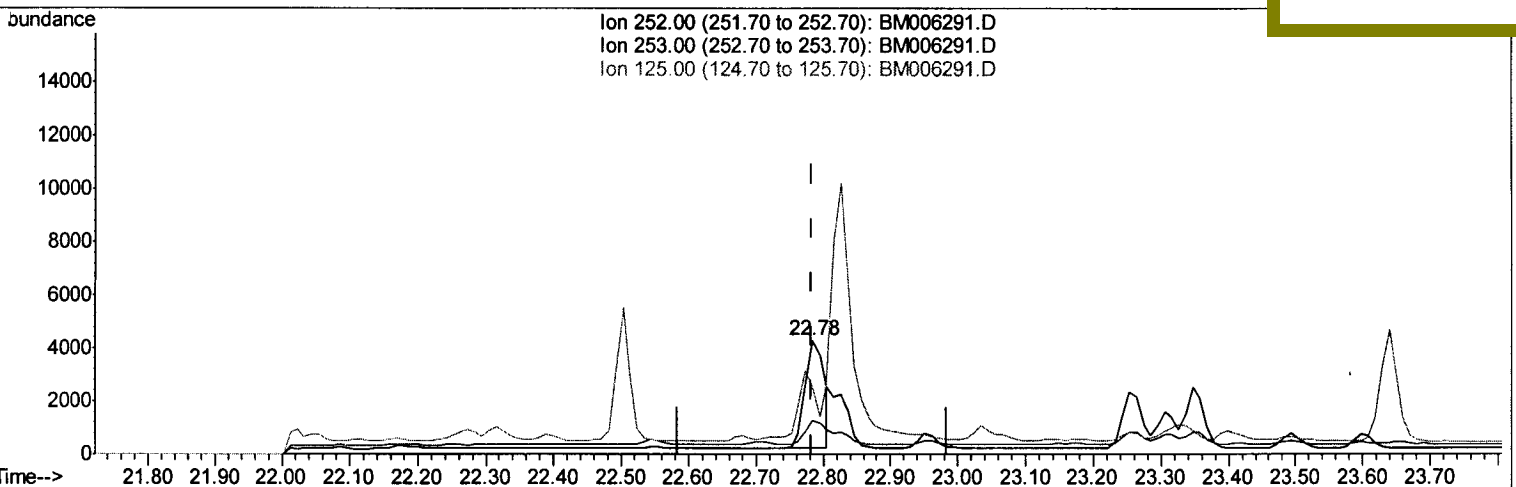
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integrati

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Quant Time: Jul 07 11:04:29 2016
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TIC: BM006291.D

(23) Benzo(b)fluoranthene

22.784min (+0.000) 0.20ng/ul

response 8016

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	29.26
125.00	14.40	58.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

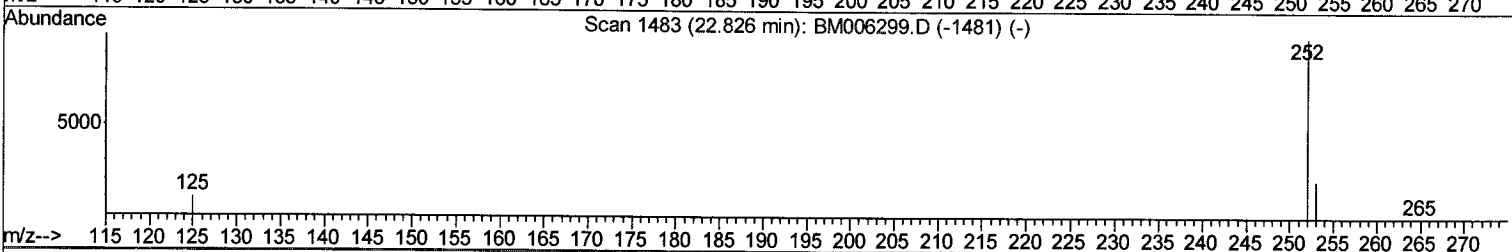
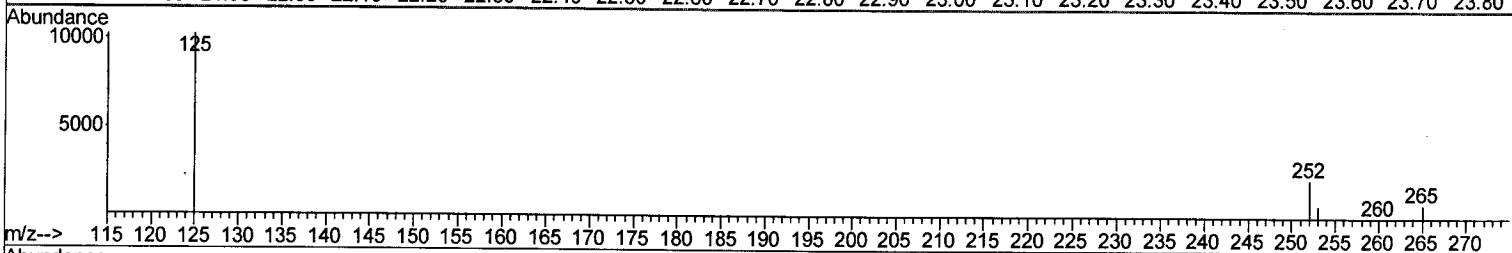
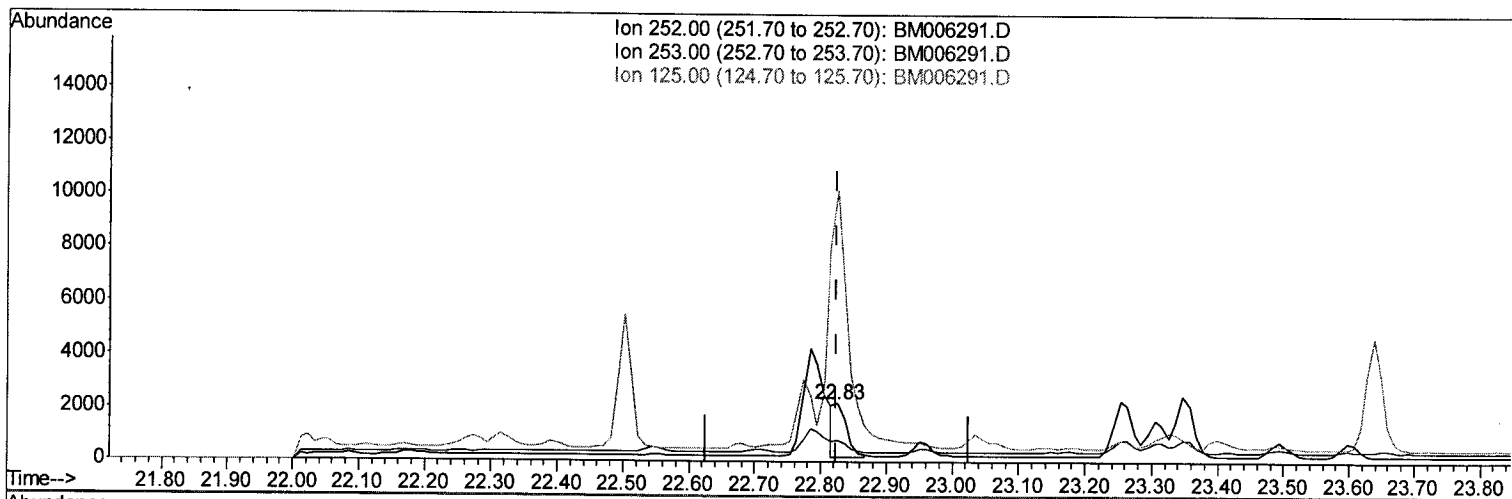
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 A4TV5

Manual Integration

Quant Time: Jul 07 11:04:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
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 Response via : Initial Calibration

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(24) Benzo(k)fluoranthene

22.826min (+0.000) 0.07ng/ul m U.M
 response 2664 07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	37.03#
125.00	13.00	459.46#
0.00	0.00	0.00

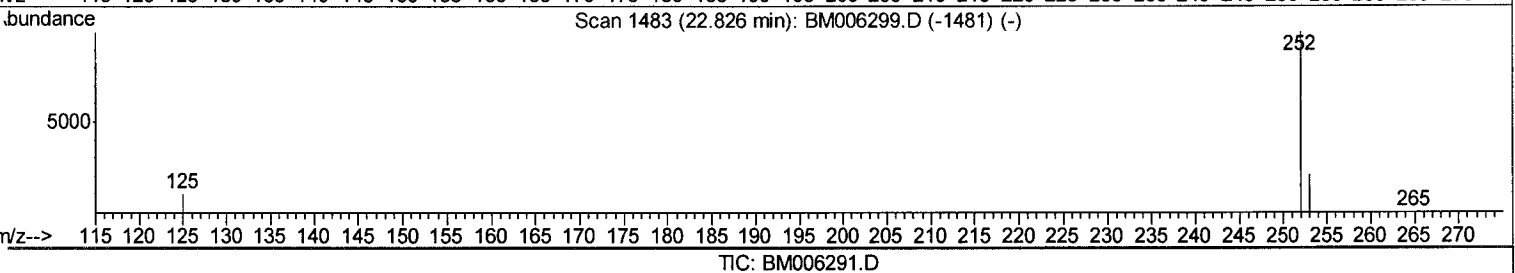
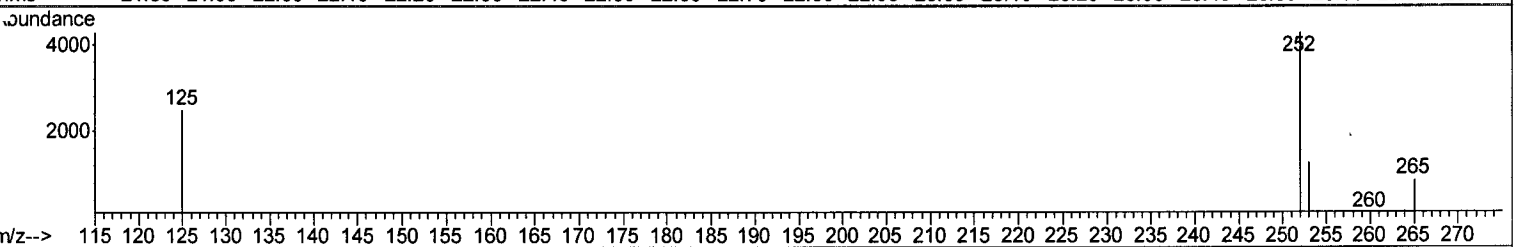
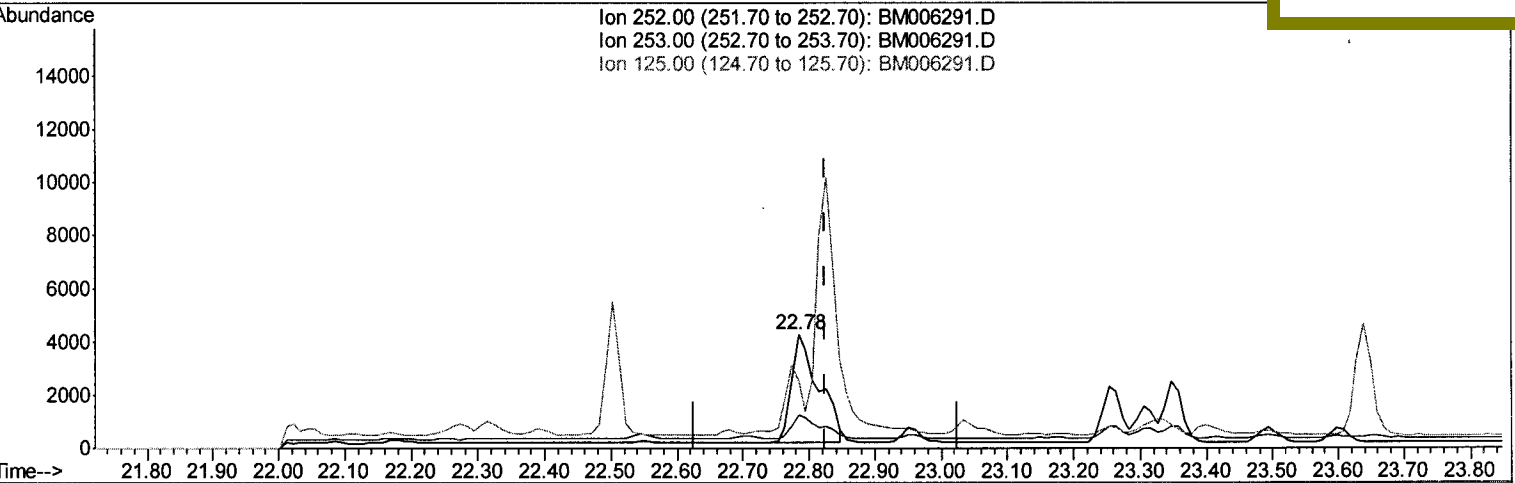
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006291.D
Acq On : 06 Jul 2016 20:14
Operator : UM/SJ
Sample : H3811-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TV5

Manual Integration

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Quant Time: Jul 07 11:04:29 2016
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Response via : Initial Calibration



(24) Benzo(k)fluoranthene

22.784min (-0.042) 0.31ng/ul

response 11586

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	29.26
125.00	13.00	58.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

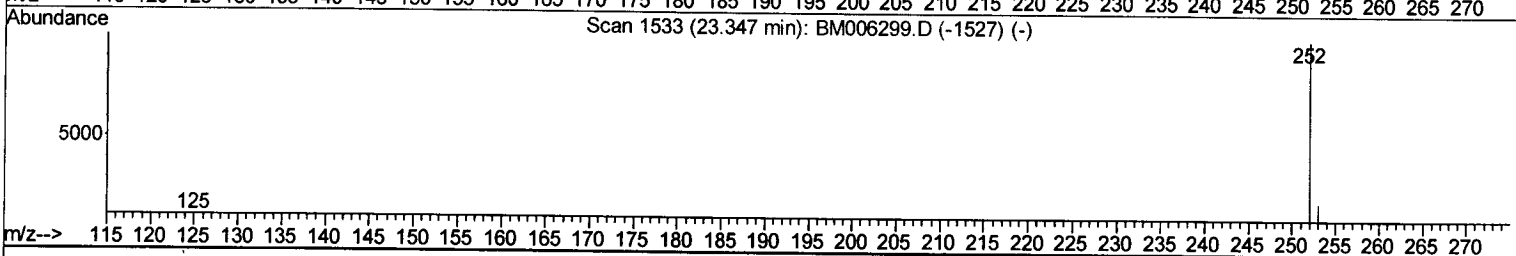
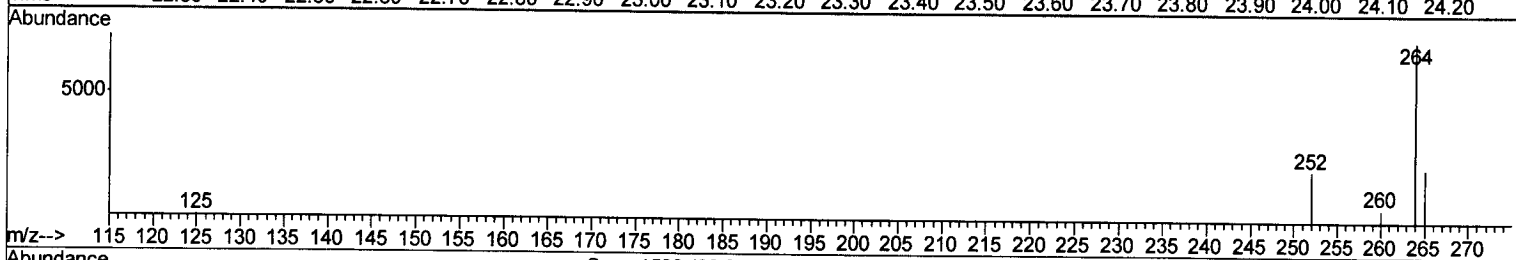
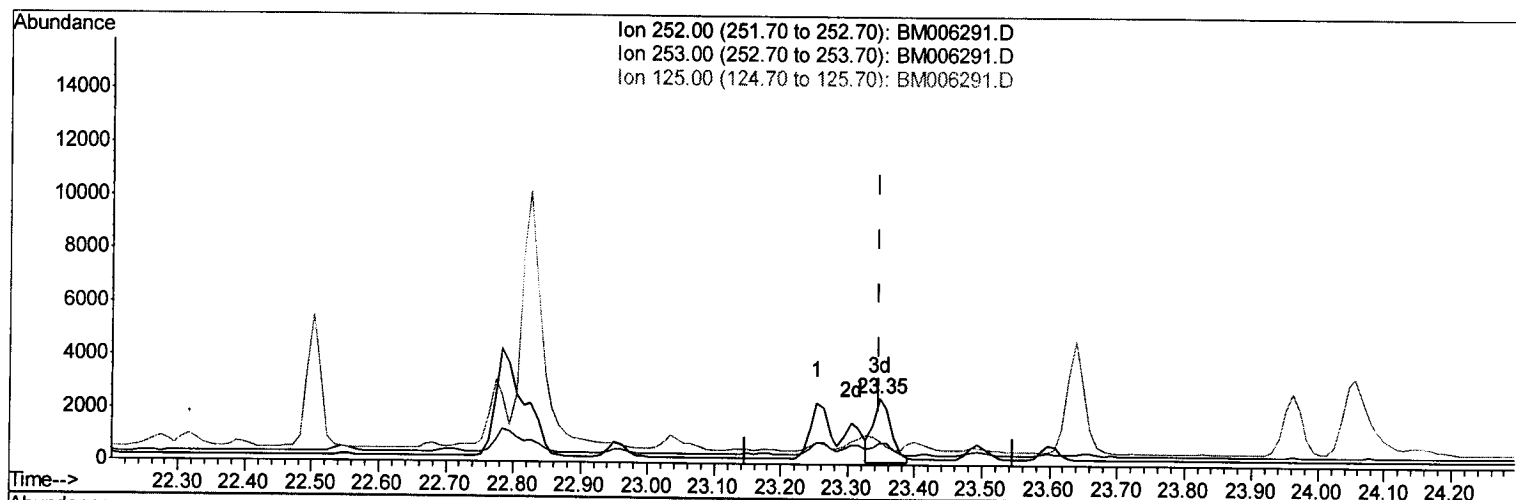
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
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 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integration

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(25) Benzo(a)pyrene (C)

23.347min (+0.000) 0.12ng/ul m U.M
 response 4509 07/11/16

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	33.40#
125.00	15.90	34.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

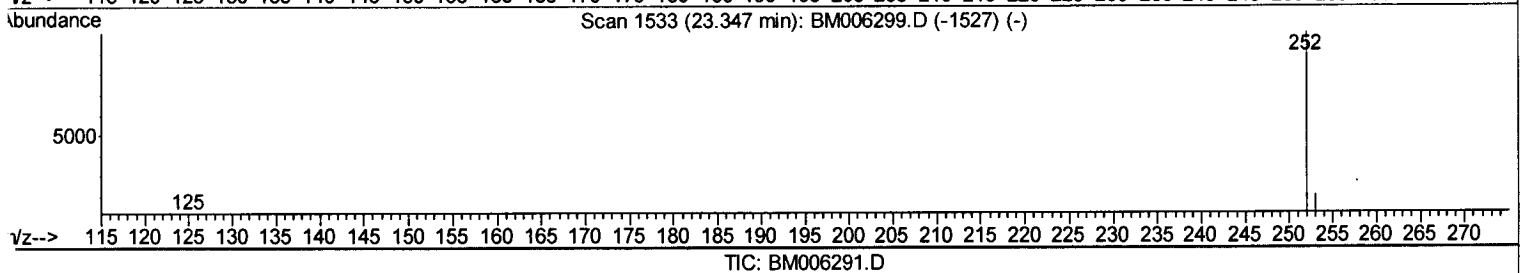
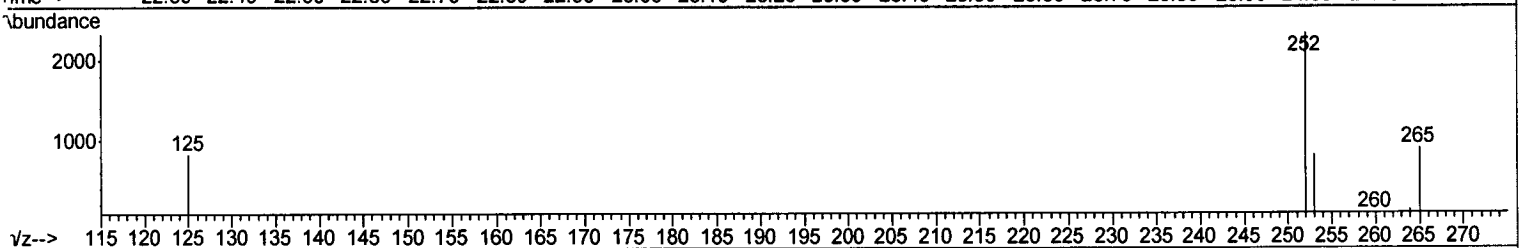
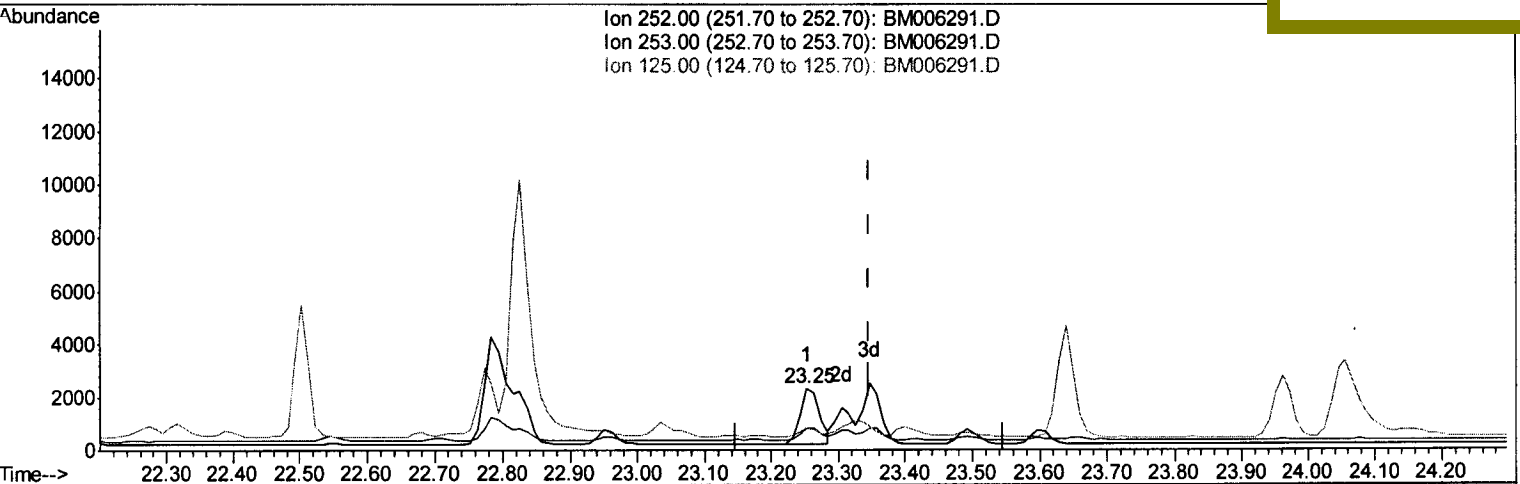
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006291.D
Acq On : 06 Jul 2016 20:14
Operator : UM/SJ
Sample : H3811-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TV5

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(25) Benzo(a)pyrene (C)

23.253min (-0.094) 0.11ng/ul

response 4191

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	34.89#
125.00	15.90	35.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

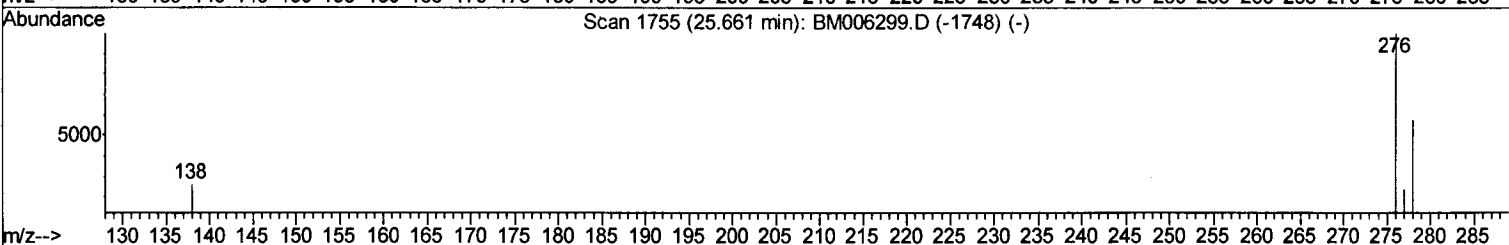
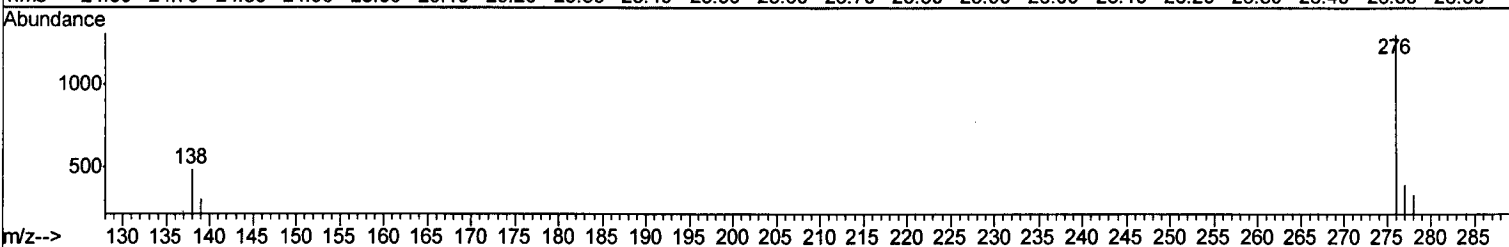
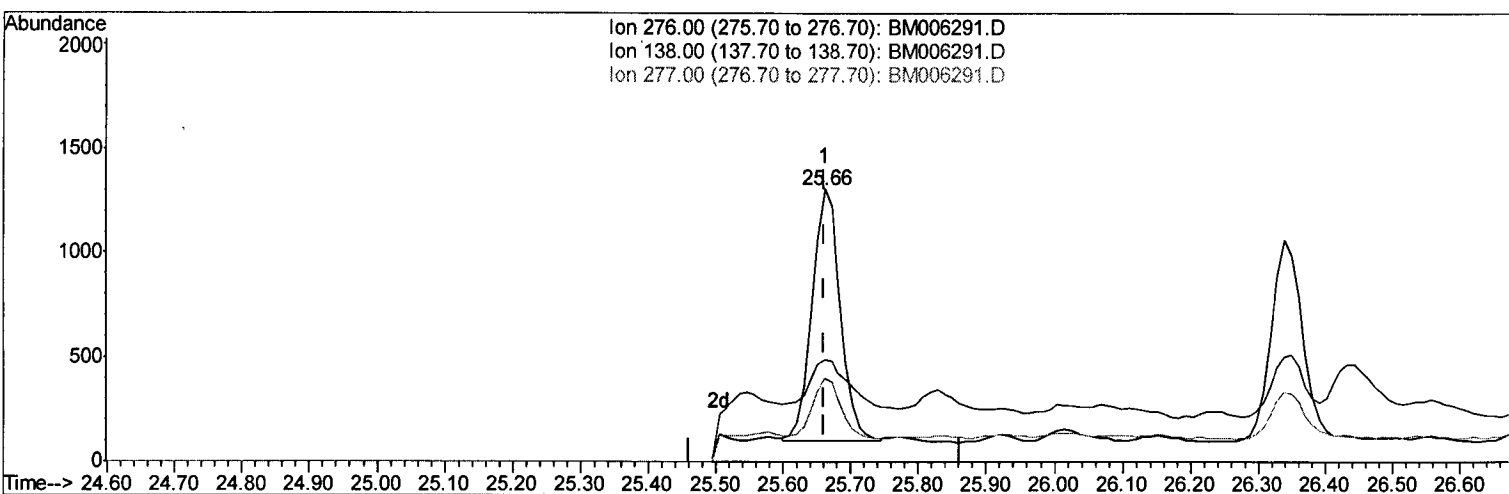
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TIC: BM006291.D

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

25.661min (+0.000) 0.08ng/ul m *U.M*

response 3507

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	12.80#
277.00	24.80	15.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

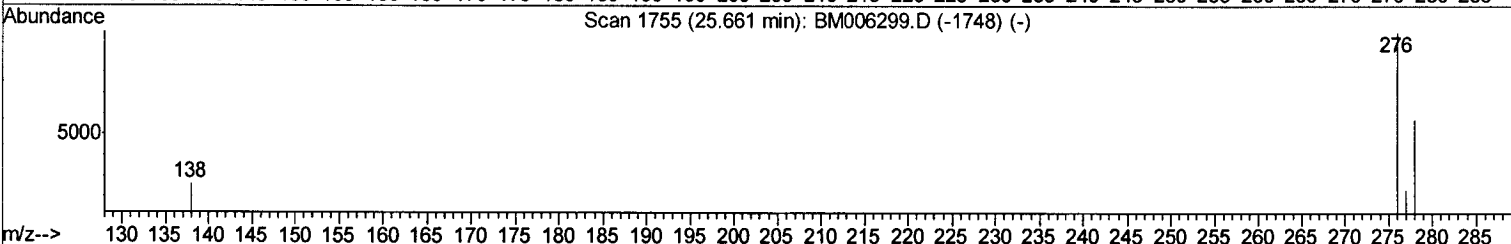
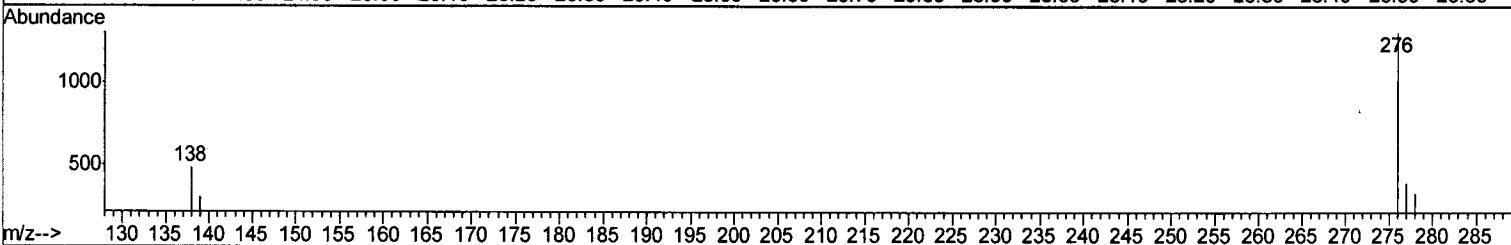
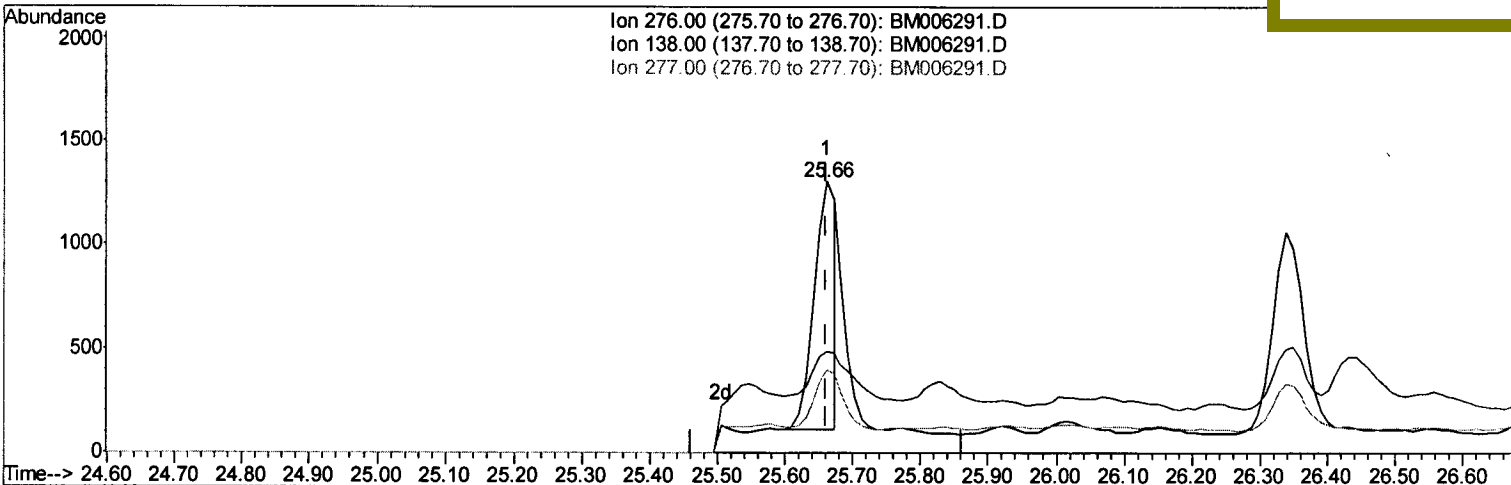
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 Data File : BM006291.D
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 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BM006291.D

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

25.661min (+0.000) 0.06ng/ul

response 2587

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	17.36
277.00	24.80	21.53
0.00	0.00	0.00

Quantitation Report (Qedit)

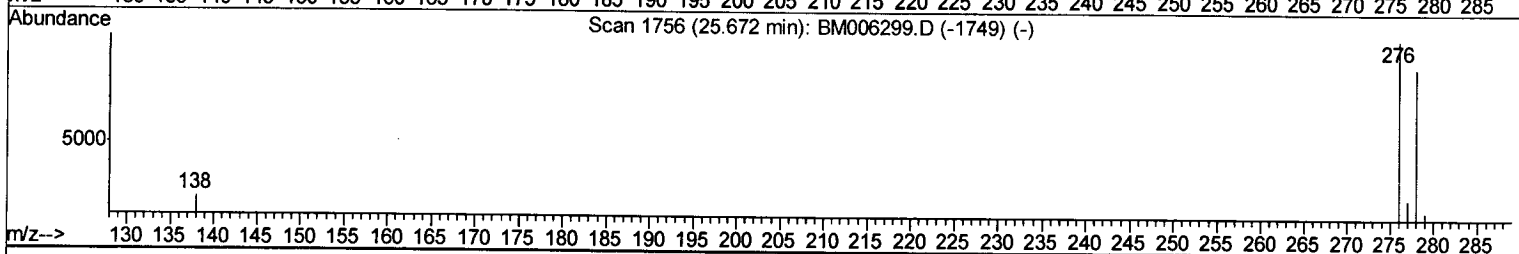
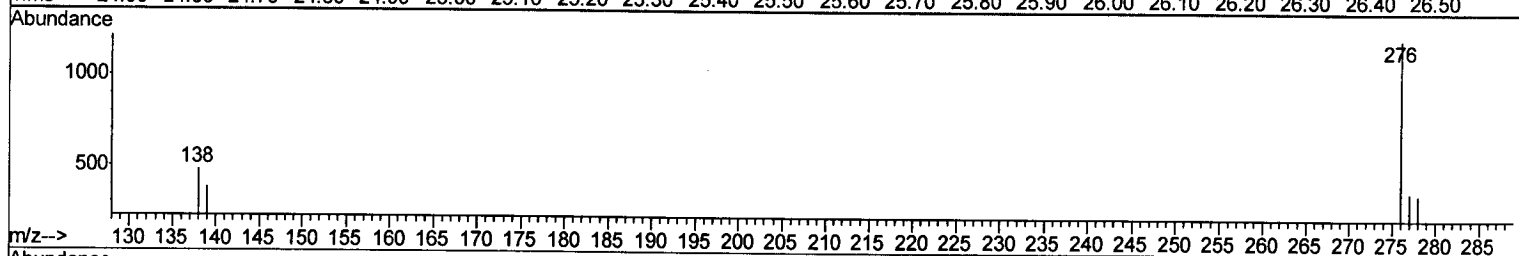
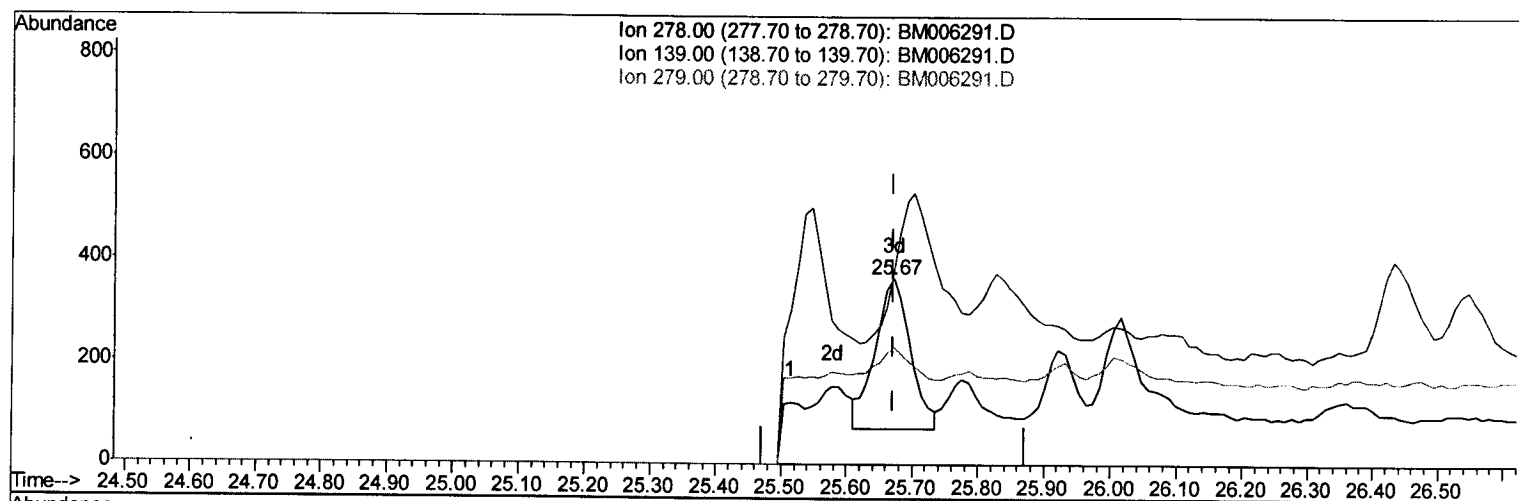
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integration

Quant Time: Jul 07 11:04:29 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 6:04:18 PM



TIC: BM006291.D

(27) Dibenzo(a,h)anthracene

25.672min (+0.000) 0.03ng/ul m *U.M*
07/11/16

response 1091

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	105.23#
279.00	25.20	62.81#
0.00	0.00	0.00

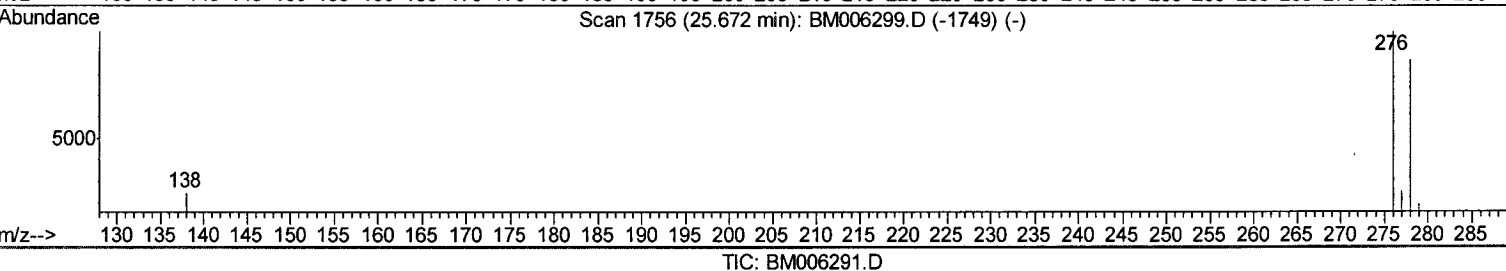
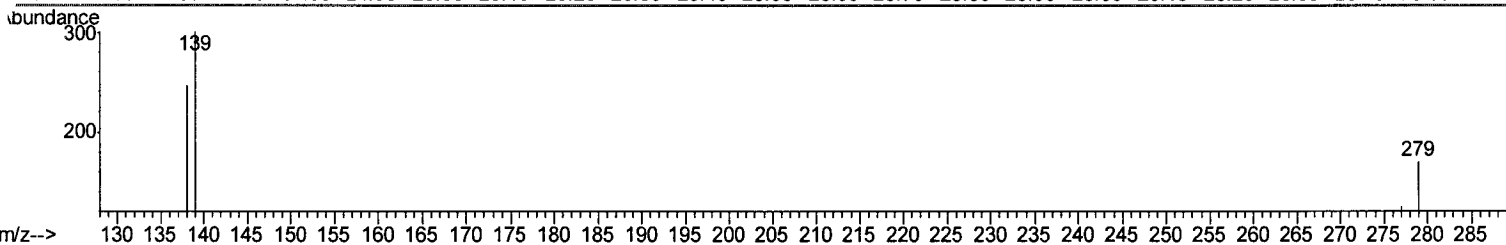
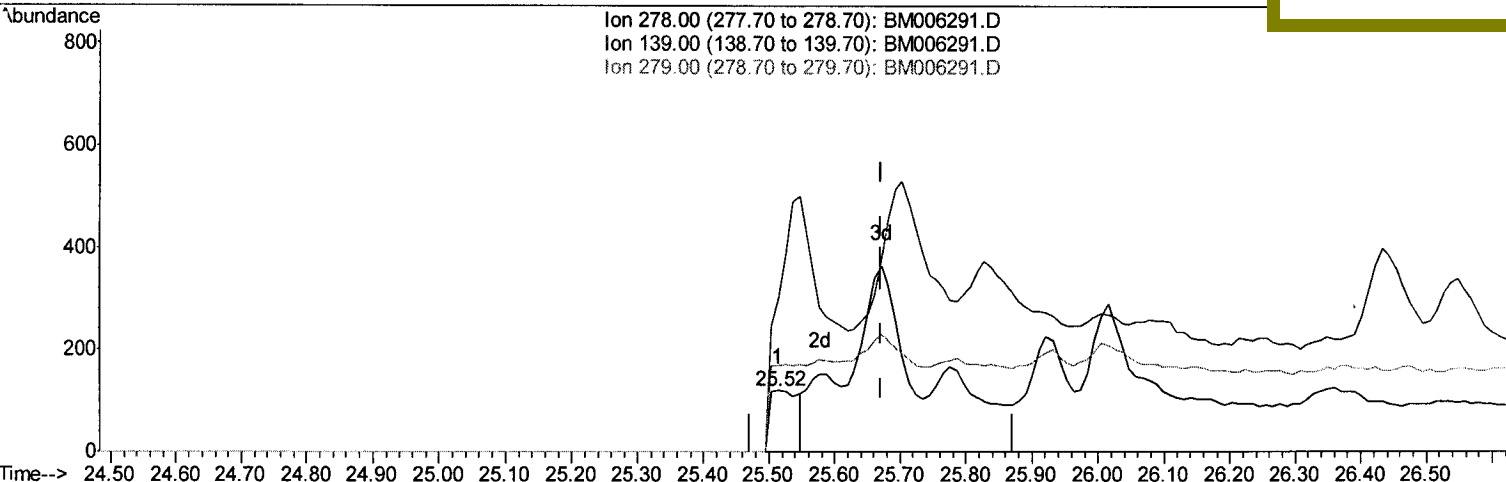
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006291.D
Acq On : 06 Jul 2016 20:14
Operator : UM/SJ
Sample : H3811-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TV5

Quant Time: Jul 07 11:04:29 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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7/7/2016 6:04:18 PM



TIC: BM006291.D

(27) Dibenzo(a,h)anthracene

25.515min (-0.156) 0.01ng/ul

response 362

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	250.83#
279.00	25.20	141.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

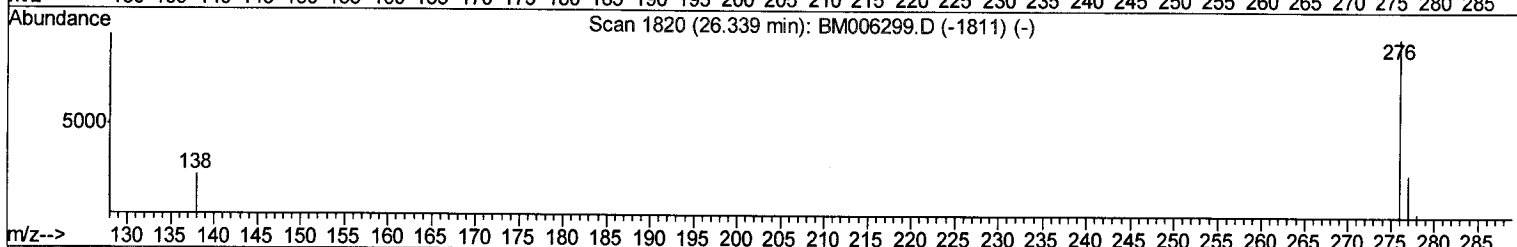
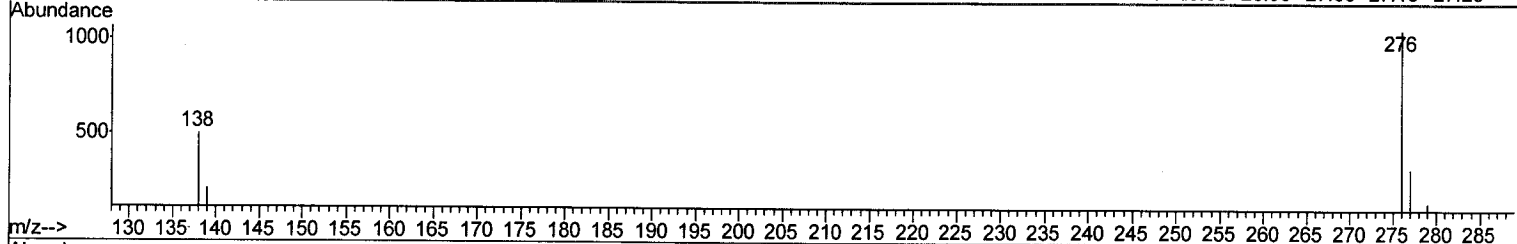
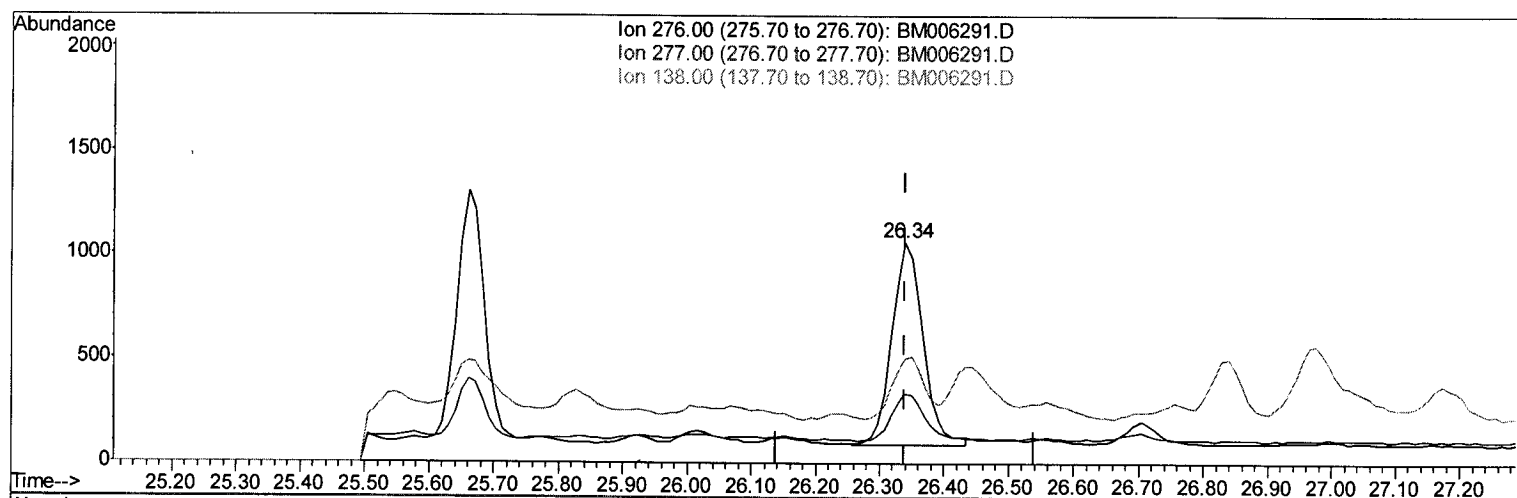
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Manual Integration

Quant Time: Jul 07 11:04:29 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 6:04:18 PM



TIC: BM006291.D

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

26.339min (+0.000) 0.09ng/ul m *U.M*
07/11/16

response 3241

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	31.51#
138.00	28.10	47.13#
0.00	0.00	0.00

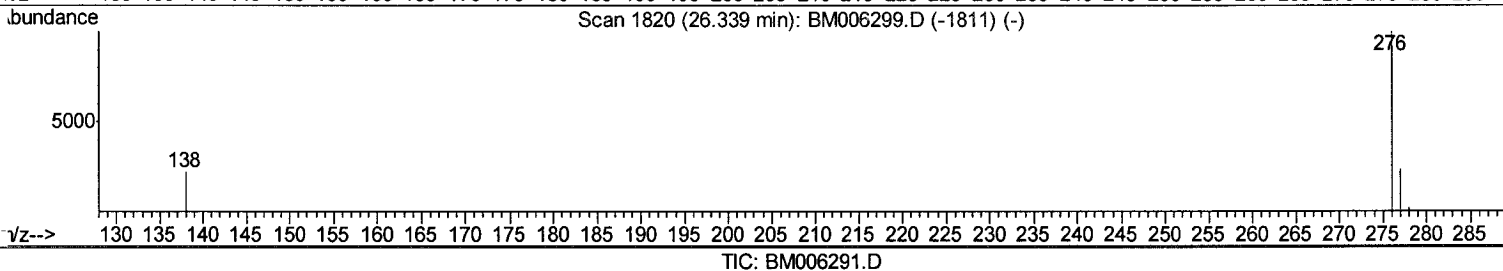
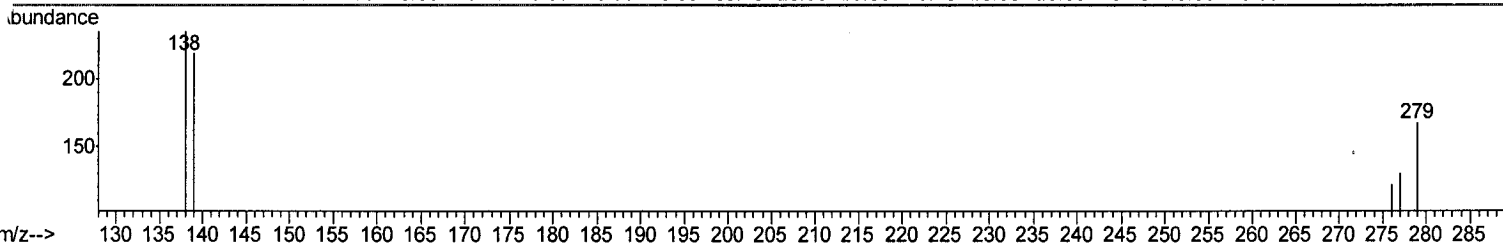
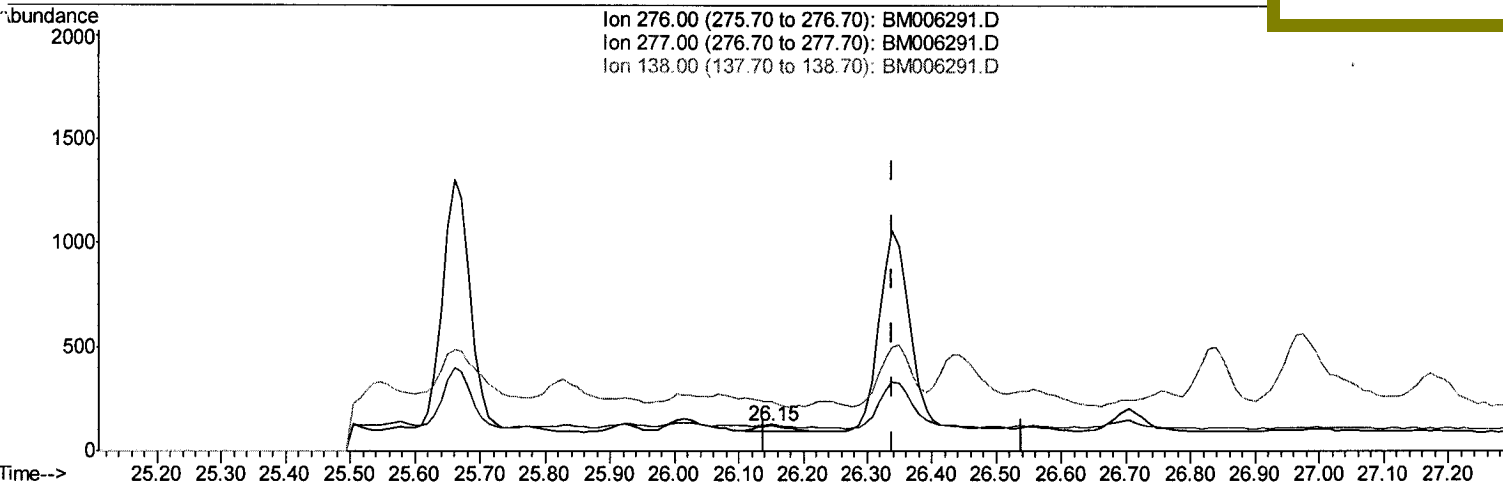
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
Data File : BM006291.D
Acq On : 06 Jul 2016 20:14
Operator : UM/SJ
Sample : H3811-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TV5

Quant Time: Jul 07 11:04:29 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: BM006291.D

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

26.151min (-0.188) 0.00ng/ul

response 112

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	106.56#
138.00	28.10	192.62#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006291.D
 Acq On : 06 Jul 2016 20:14
 Operator : UM/SJ
 Sample : H3811-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV5

Quant Time: Jul 07 11:06:58 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	4656	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18708	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10780	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	22986m	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	15020	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	11190m	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	7935	4.03	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6454	0.29	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	13690	0.28	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Acenaphthylene	14.01	152	853	0.02	ng/ul#	84
14) Phenanthrene	17.07	178	5858m	0.09	ng/ul	93
17) Fluoranthene	19.11	202	19337	0.28	ng/ul	95
19) Pyrene	19.47	202	16969	0.27	ng/ul#	89
20) Benzo(a)anthracene	21.22	228	5263	0.11	ng/ul#	90
21) Chrysene	21.27	228	7378	0.15	ng/ul#	90
23) Benzo(b)fluoranthene	22.78	252	9261m	0.23	ng/ul	
24) Benzo(k)fluoranthene	22.83	252	2664m	0.07	ng/ul	
25) Benzo(a)pyrene	23.35	252	4509m	0.12	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.66	276	3507m	0.08	ng/ul	
27) Dibenzo(a,h)anthracene	25.67	278	1091m	0.03	ng/ul	
28) Benzo(g,h,i)perylene	26.34	276	3241m	0.09	ng/ul	

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