

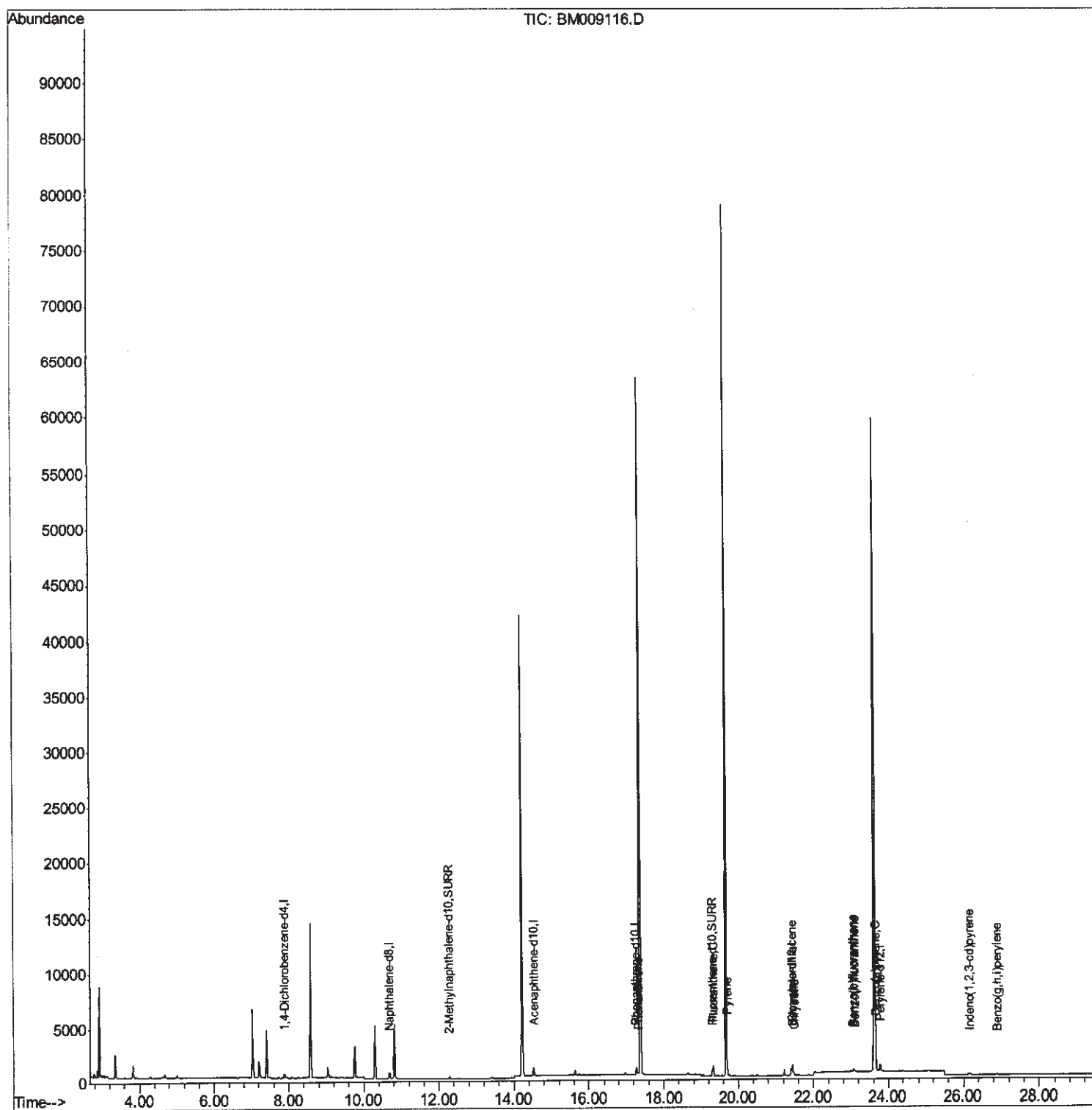
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:23:00 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



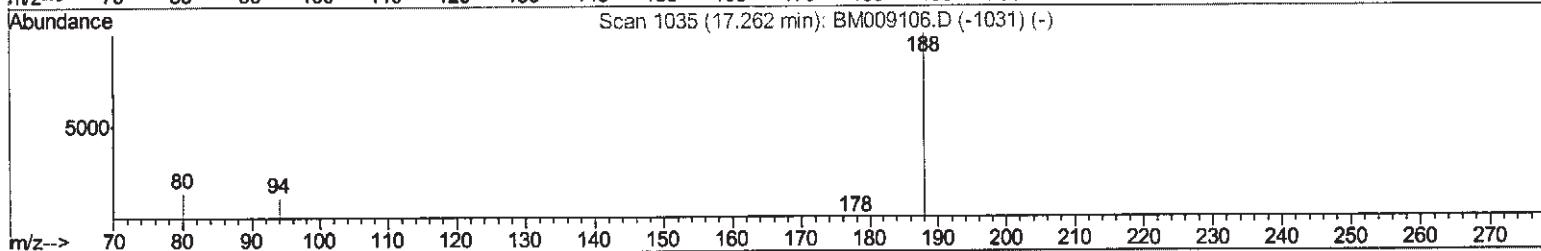
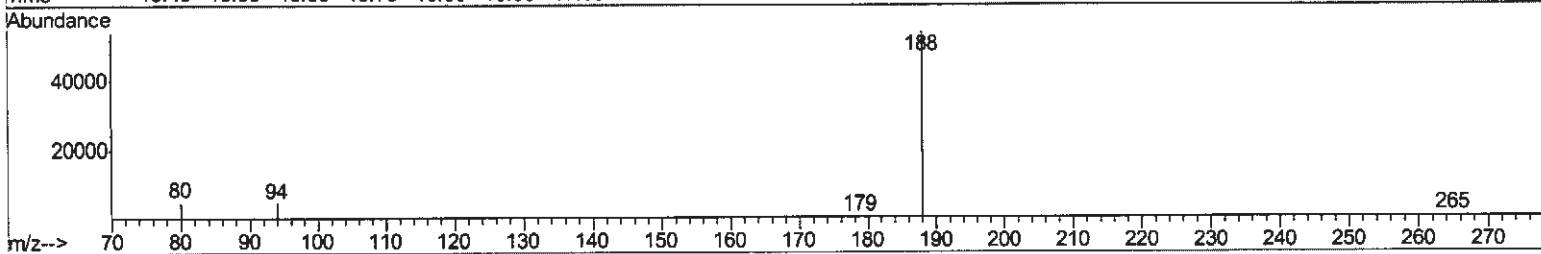
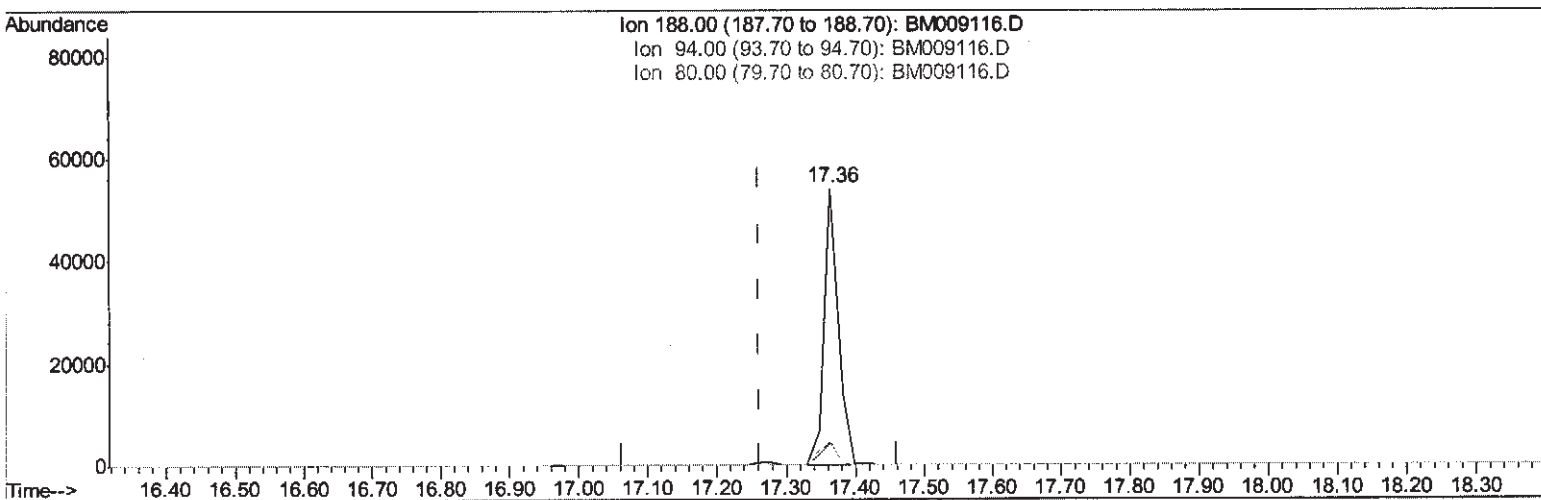
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 01:20:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



TIC: BM009116.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 76852

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.11#
80.00	11.80	8.47#
0.00	0.00	0.00

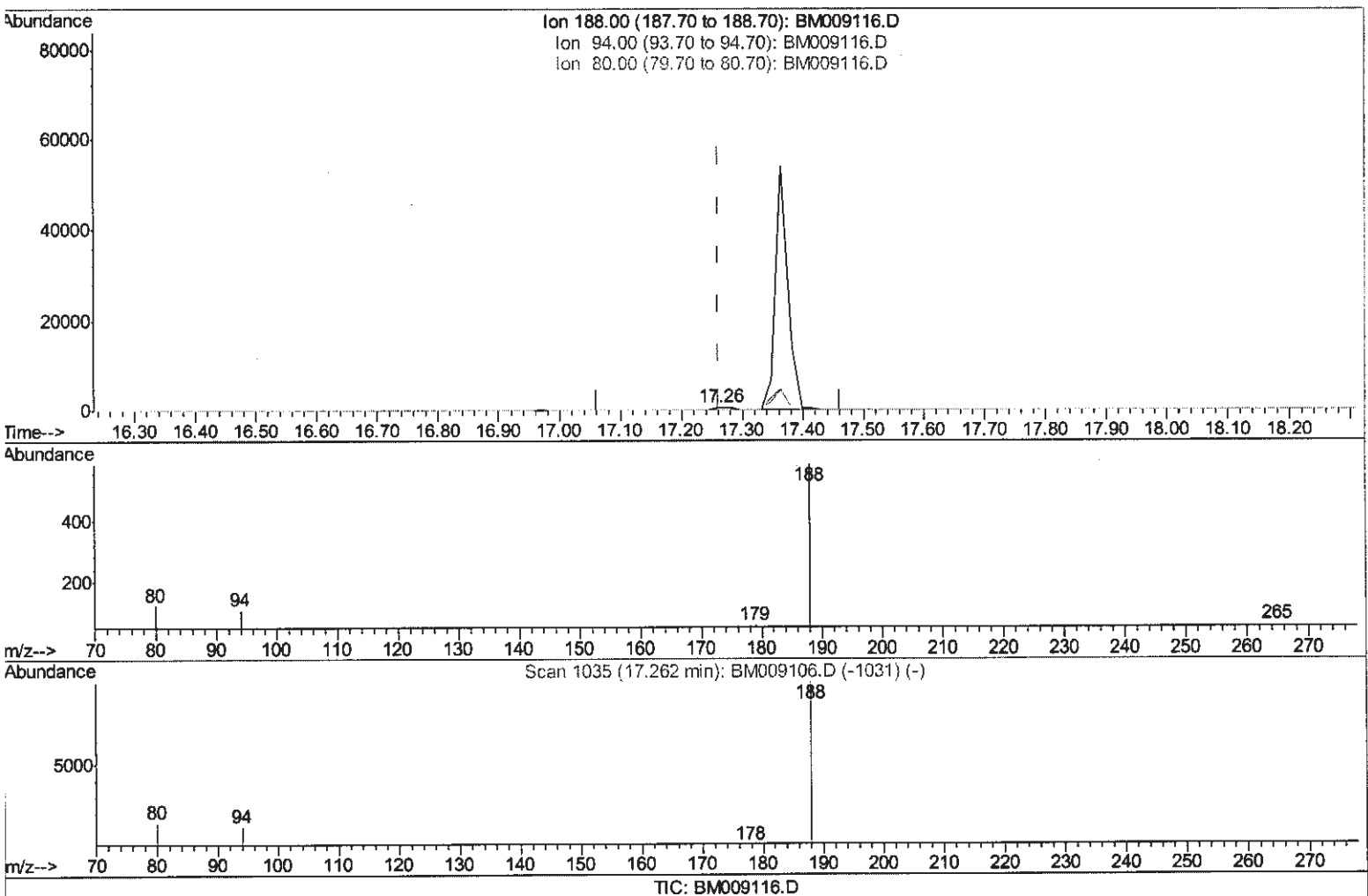
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 01:20:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(10) Phenanthrene-d10 (l)

17.262min (+0.000) 0.40ng/ul m

response 1012

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	17.60#
80.00	11.80	20.30#
0.00	0.00	0.00

SJ
03/16/17

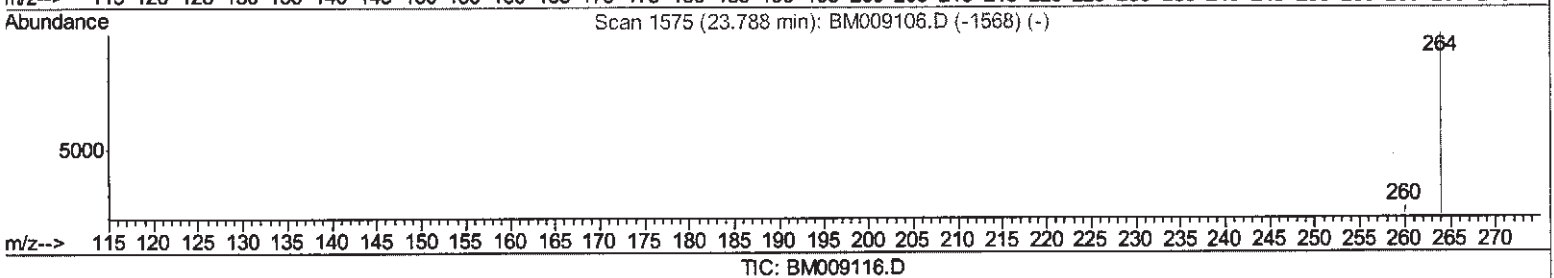
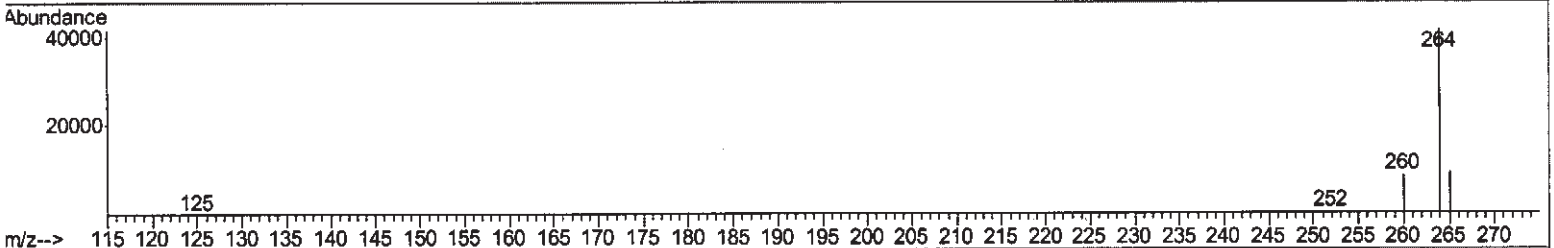
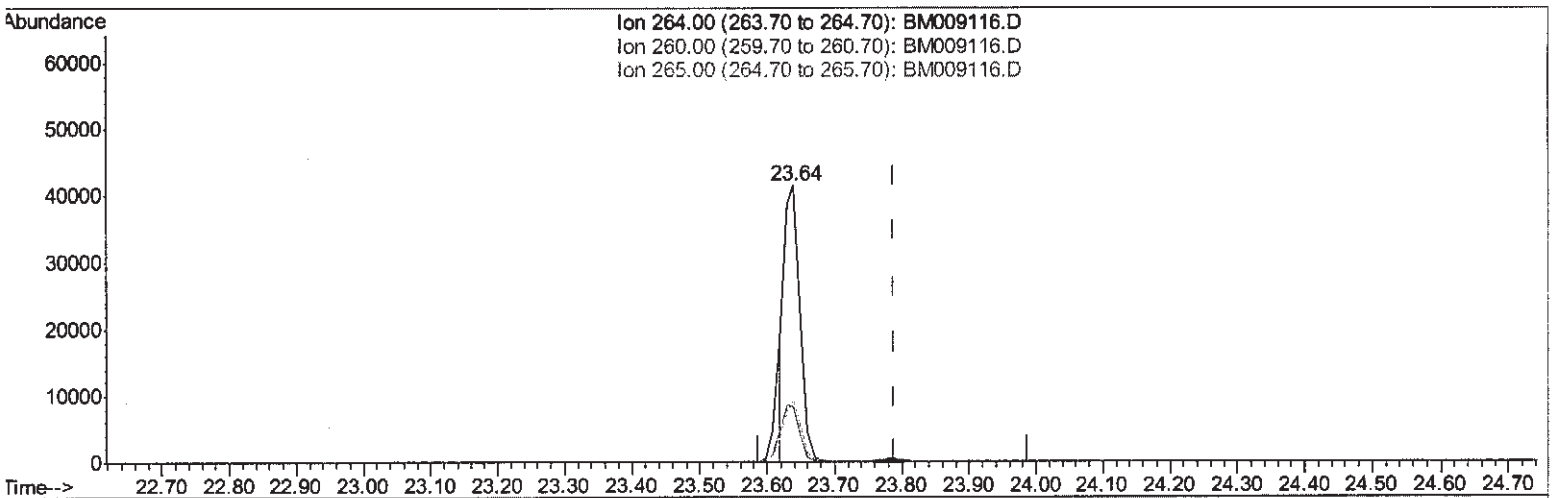
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 01:20:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.639min (-0.149) 0.40ng/ui

response 66164

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.22#
265.00	103.50	22.14#
0.00	0.00	0.00

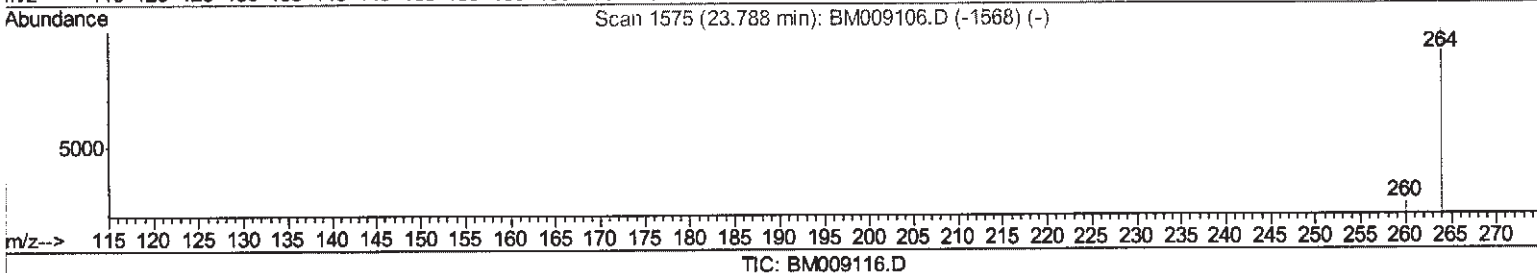
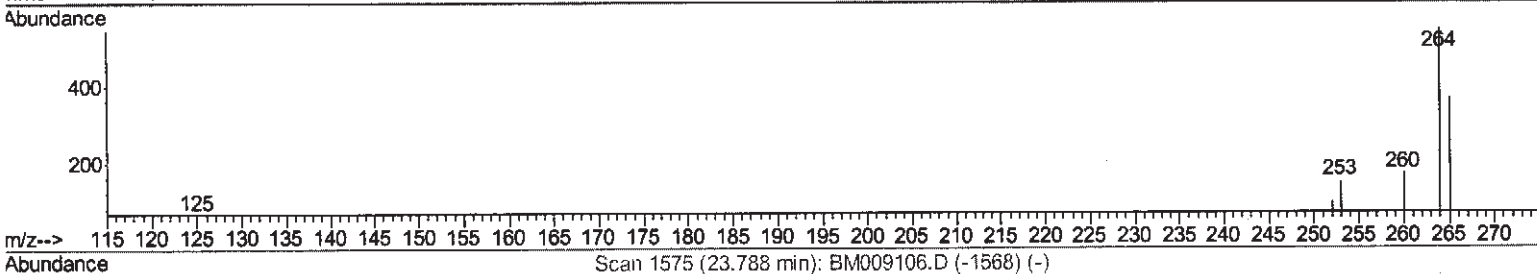
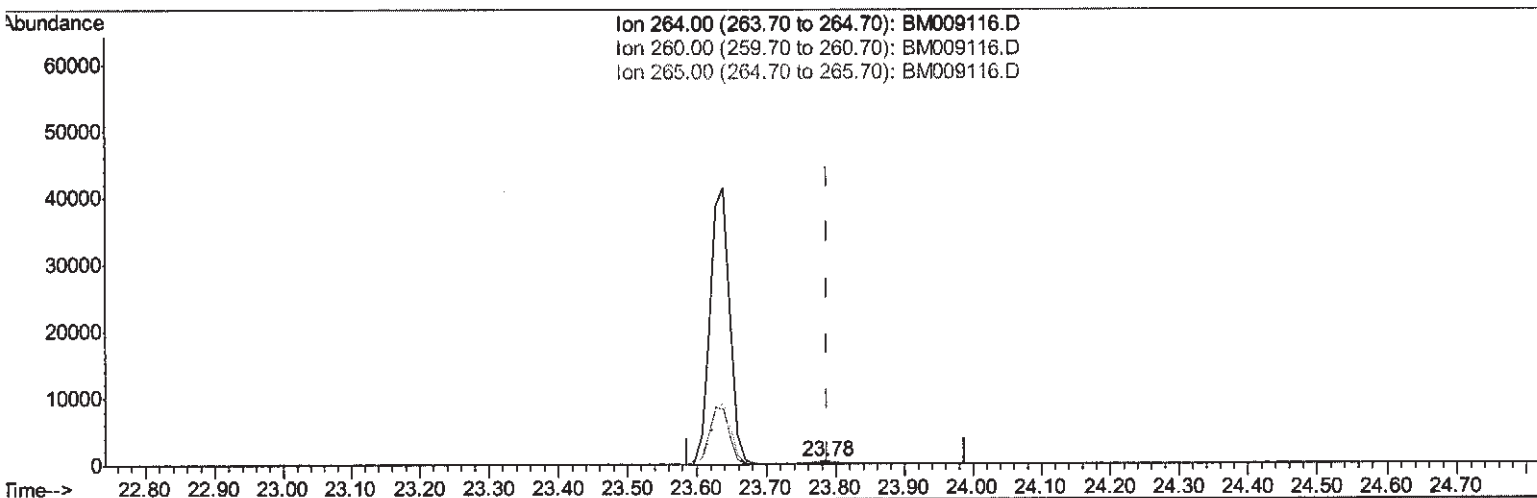
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 01:20:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.785min (-0.003) 0.40ng/ul m

response 993

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.77
265.00	103.50	66.48#
0.00	0.00	0.00

> SJ
03/16/17

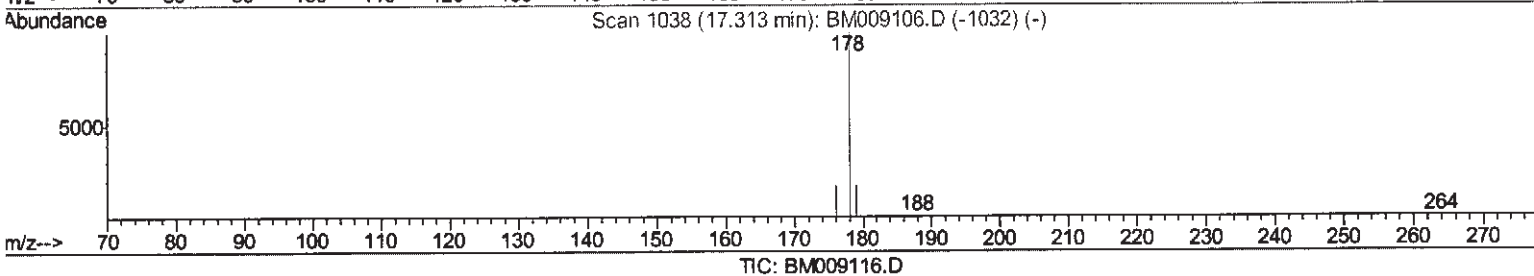
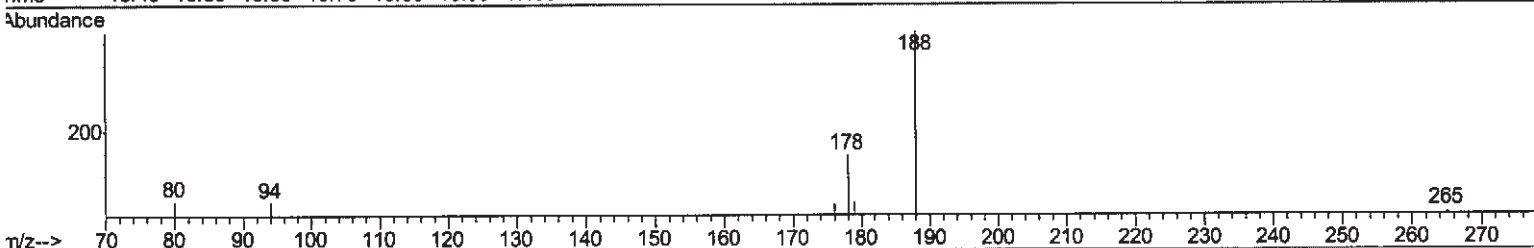
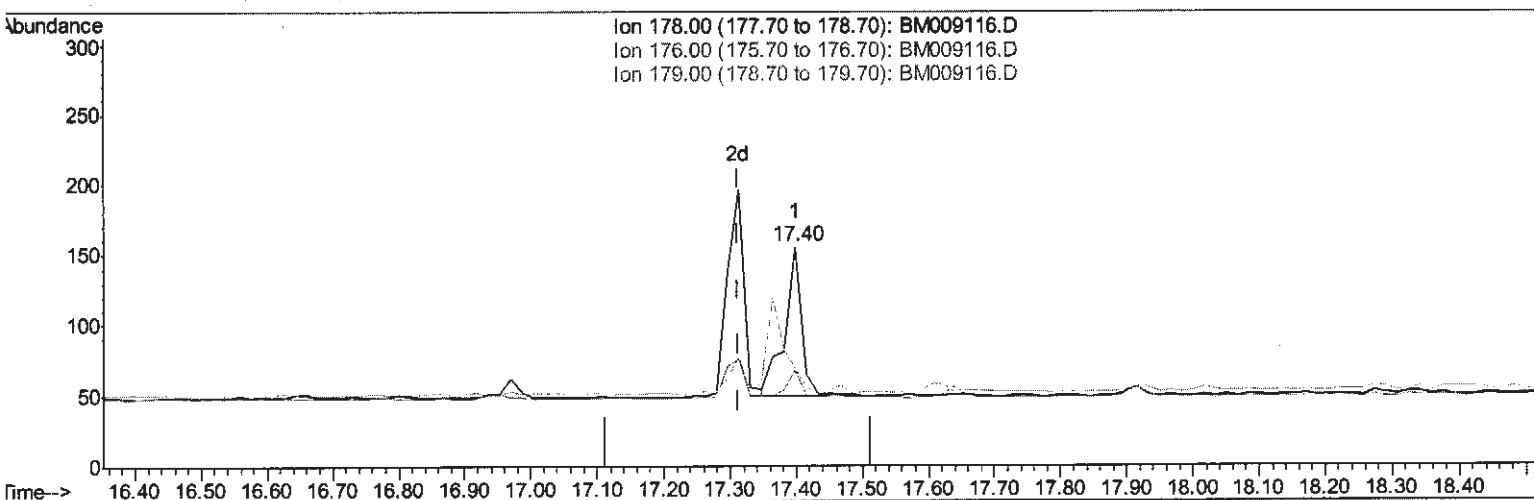
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

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Quant Time: Mar 09 02:15:49 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(12) Phenanthrene

17.399min (+0.086) 0.06ng/ul

response 190

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	43.59#
179.00	17.00	44.87#
0.00	0.00	0.00

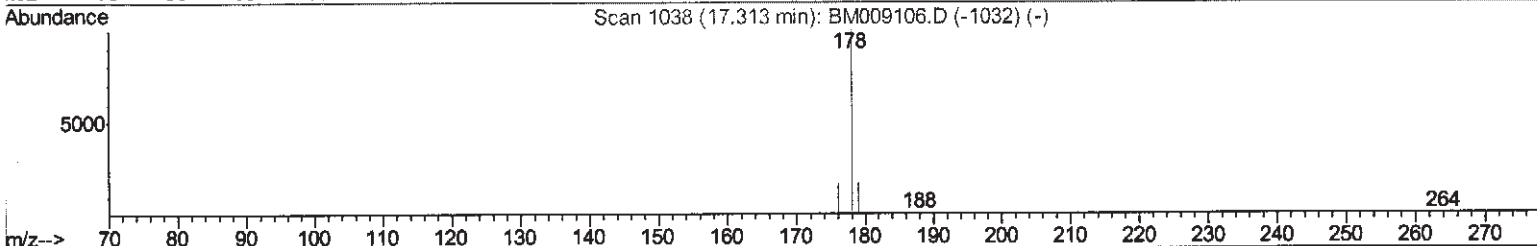
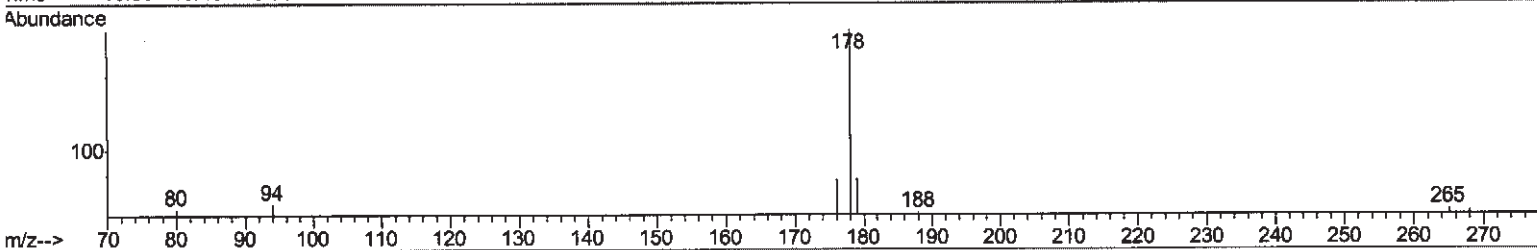
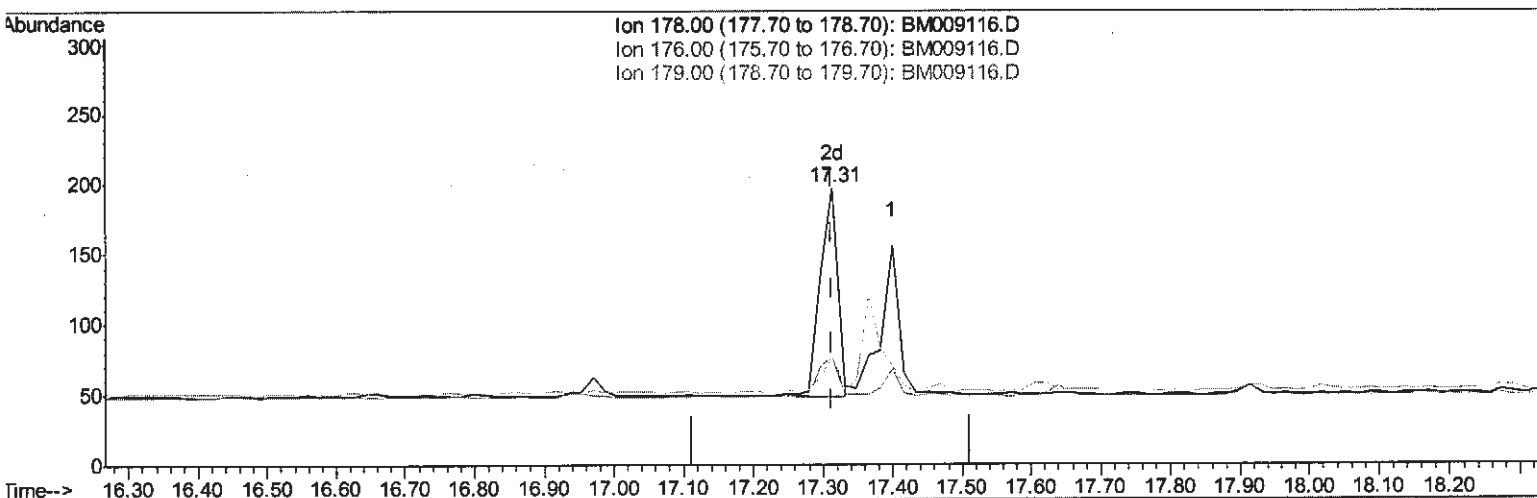
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:15:49 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



TIC: BM009116.D

(12) Phenanthrene

17.313min (+0.000) 0.08ng/ul m

response 258

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	38.58#
179.00	17.00	39.09#
0.00	0.00	0.00

> SJ
03/16/17

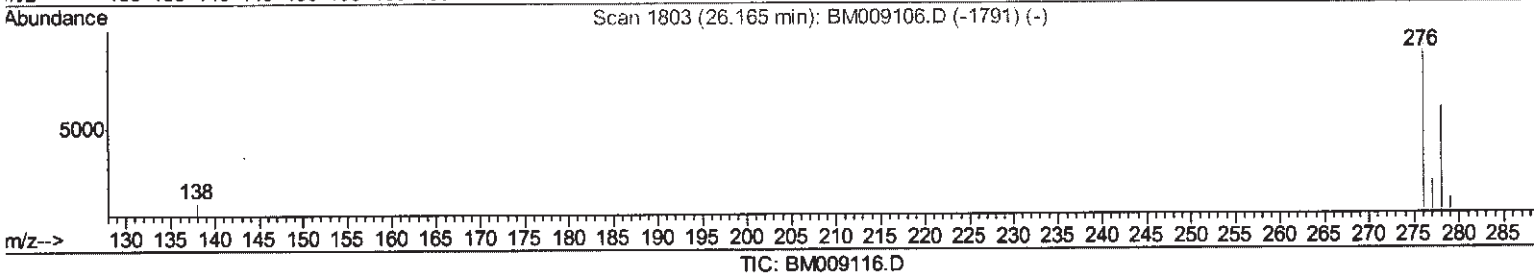
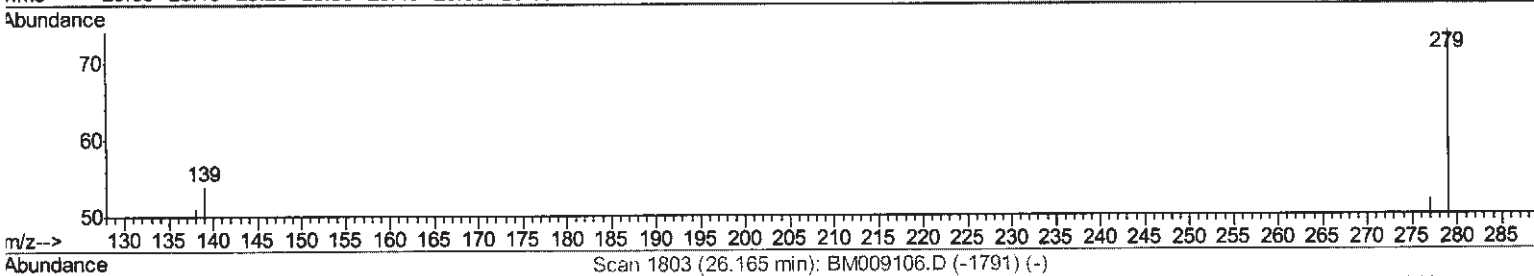
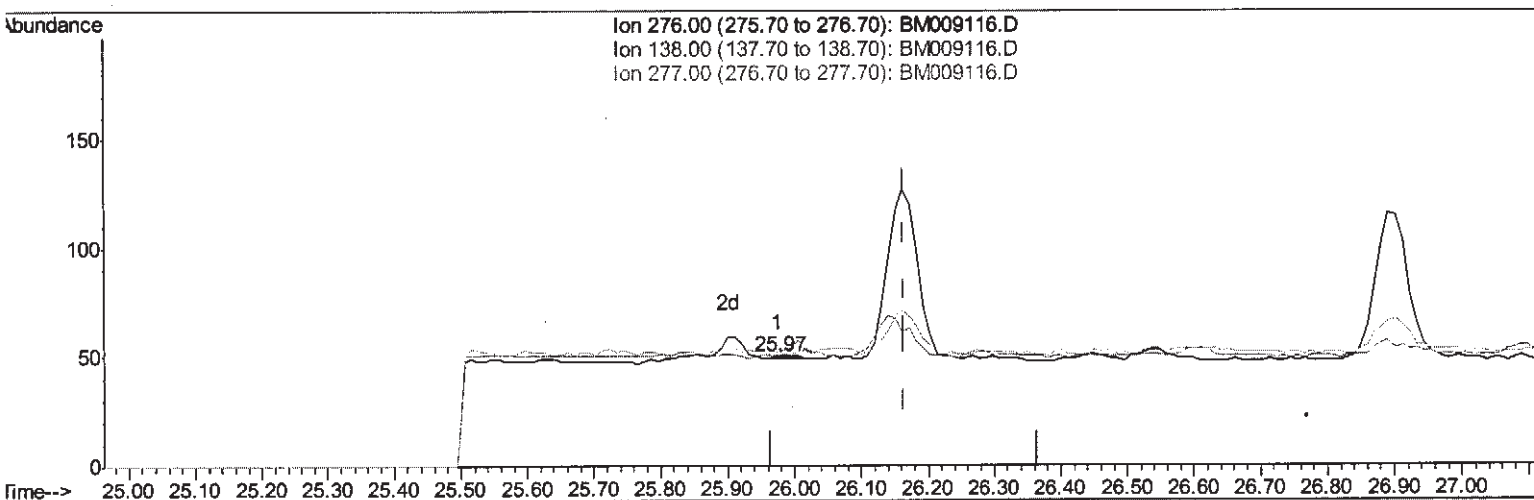
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
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3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:16:40 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



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

25.974min (-0.191) 0.00ng/ul

response 3

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	33.33#
0.00	0.00	0.00

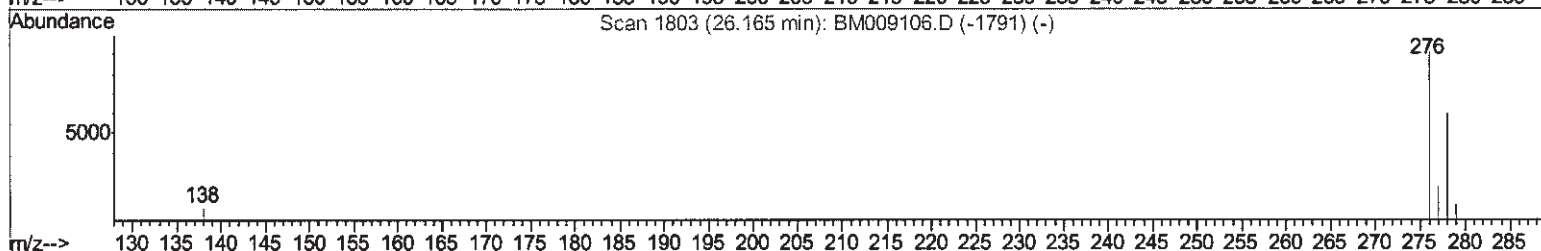
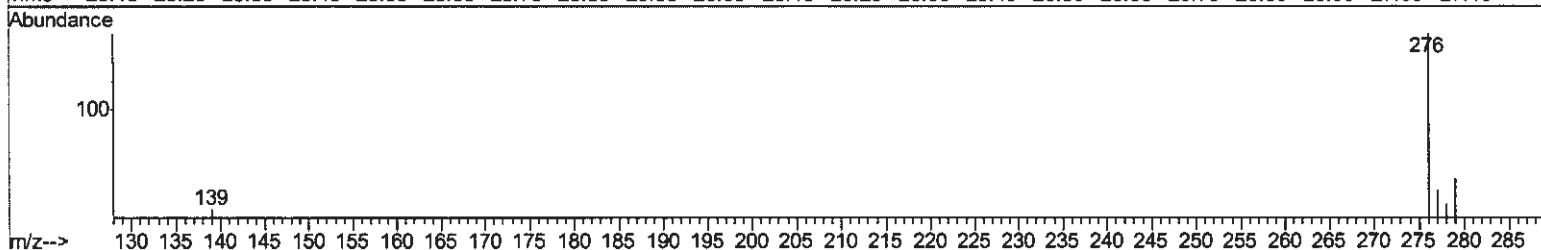
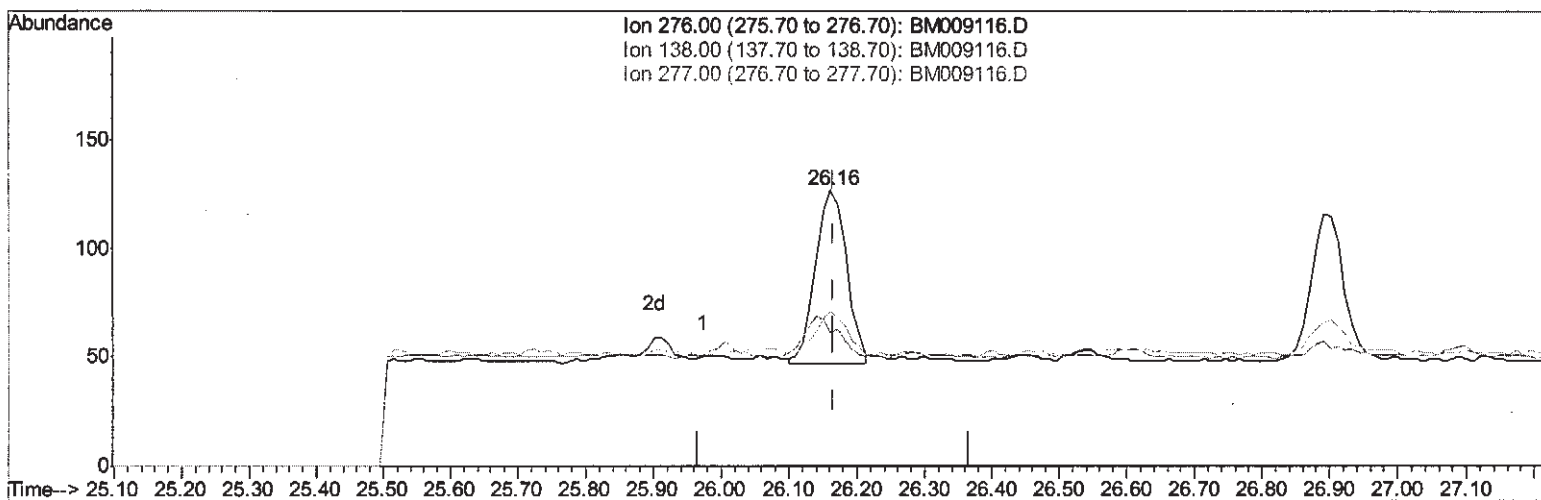
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:16:40 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



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

26.162min (-0.003) 0.06ng/ul m

response 254

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.39#
0.00	0.00	0.00

> SJ
08/16/17

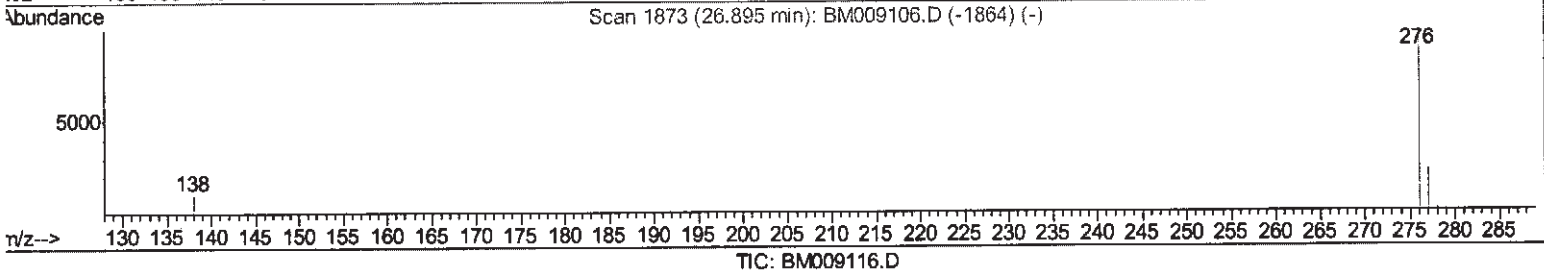
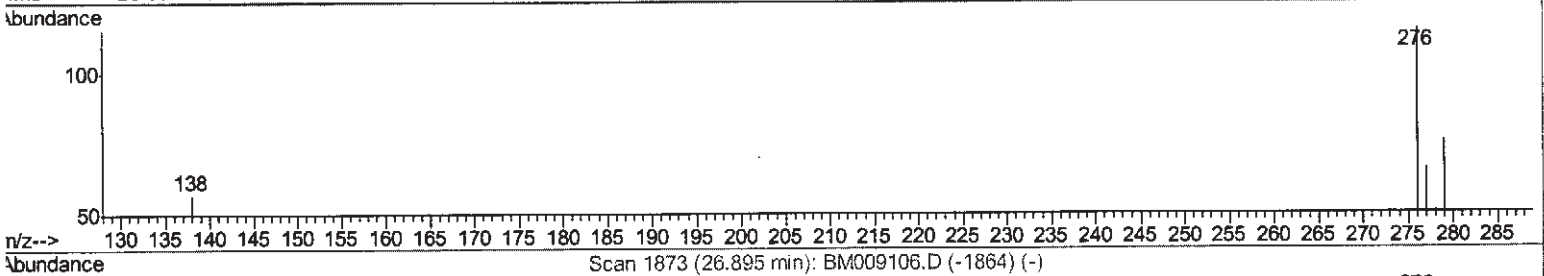
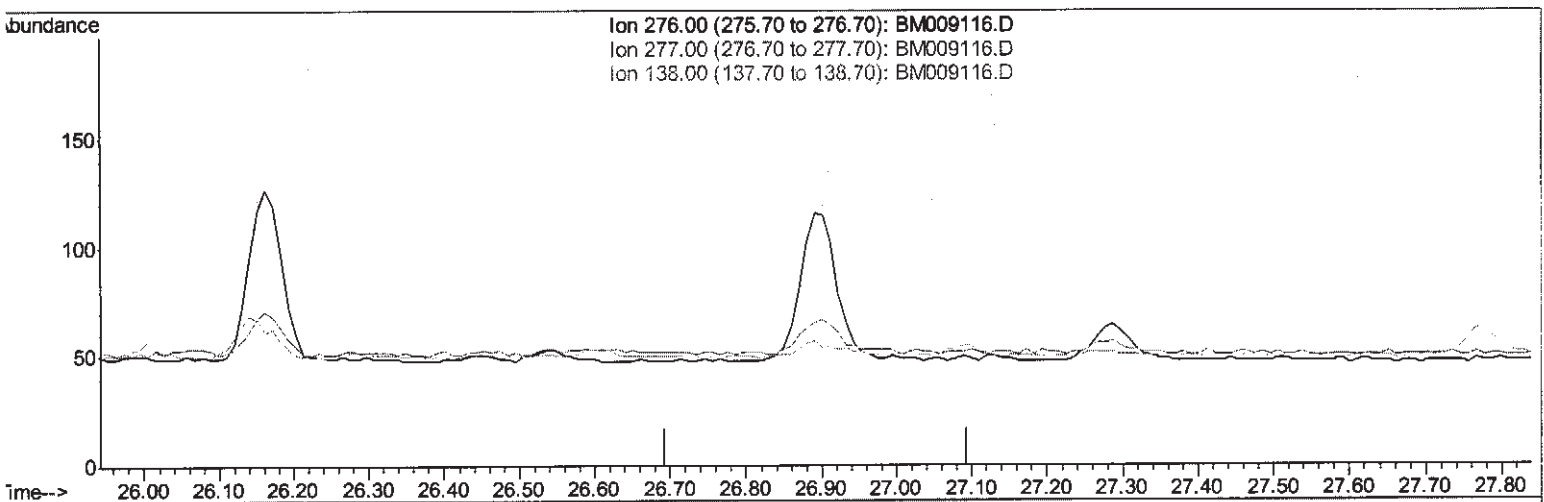
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

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3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:16:40 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



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

26.895min (-26.895) 0.00ng/ui

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	27.30	0.00#
138.00	25.60	0.00#
0.00	0.00	0.00

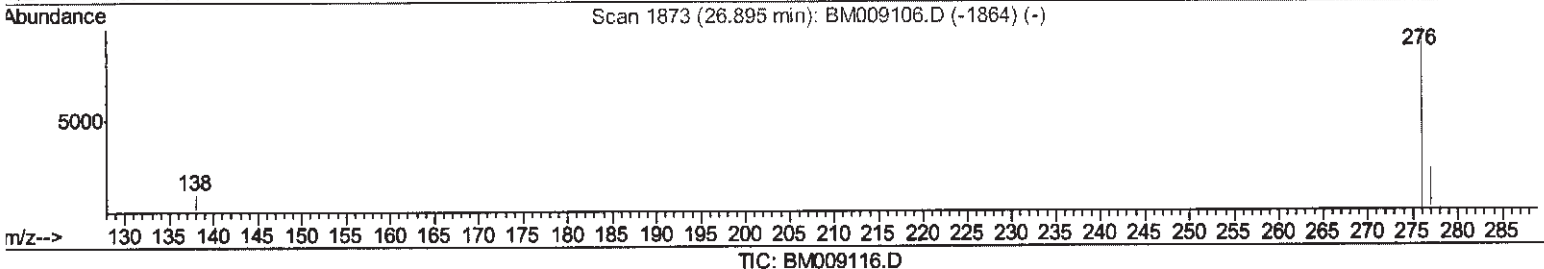
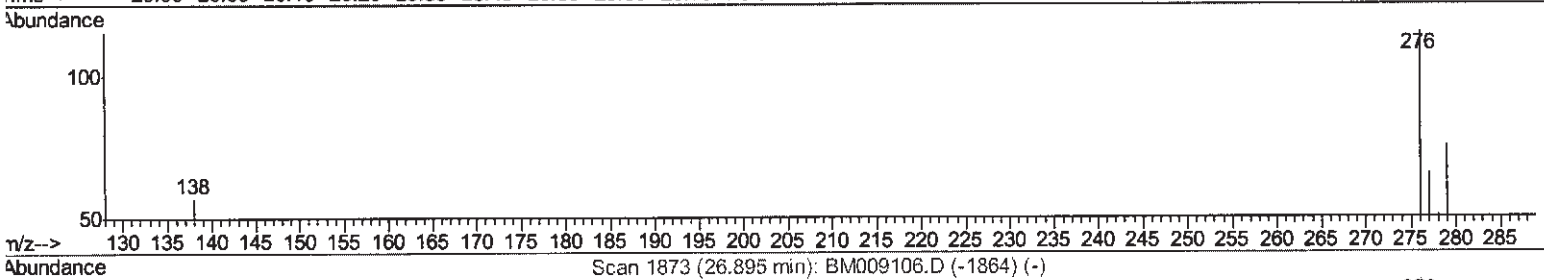
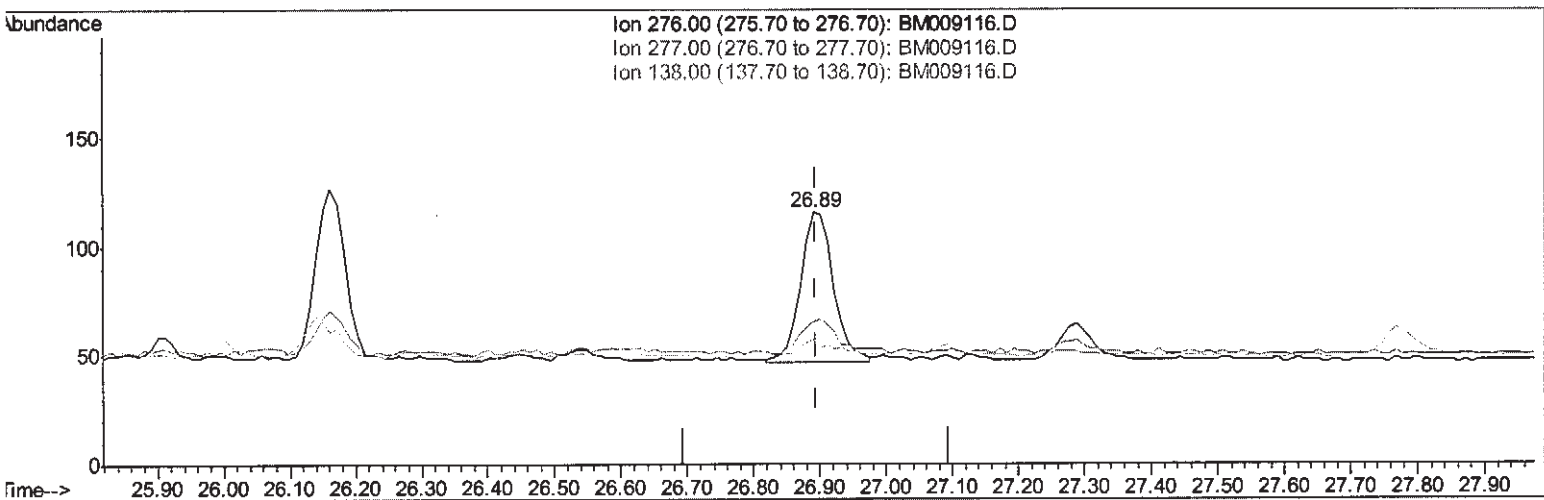
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

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3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:16:40 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



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

26.891min (-0.003) 0.06ng/ul m

response 239

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	56.90#
138.00	25.60	49.14#
0.00	0.00	0.00

SJ
03/16/17

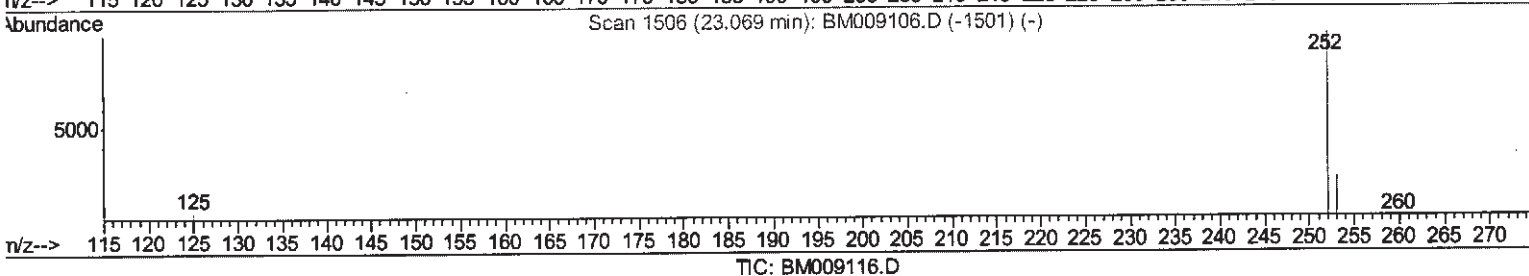
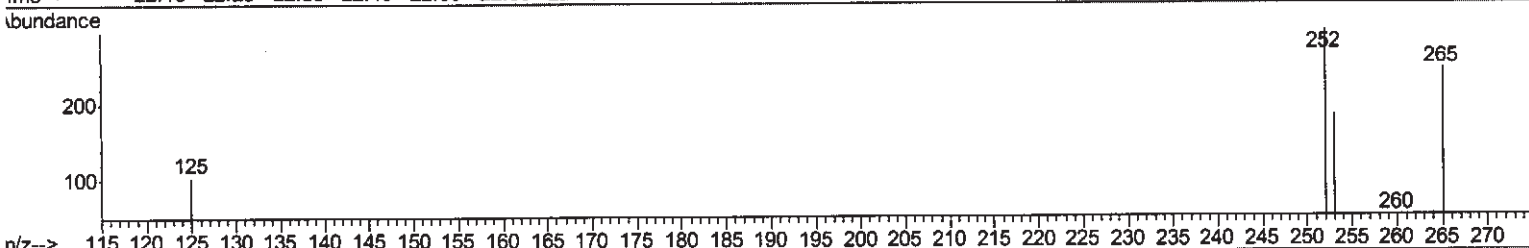
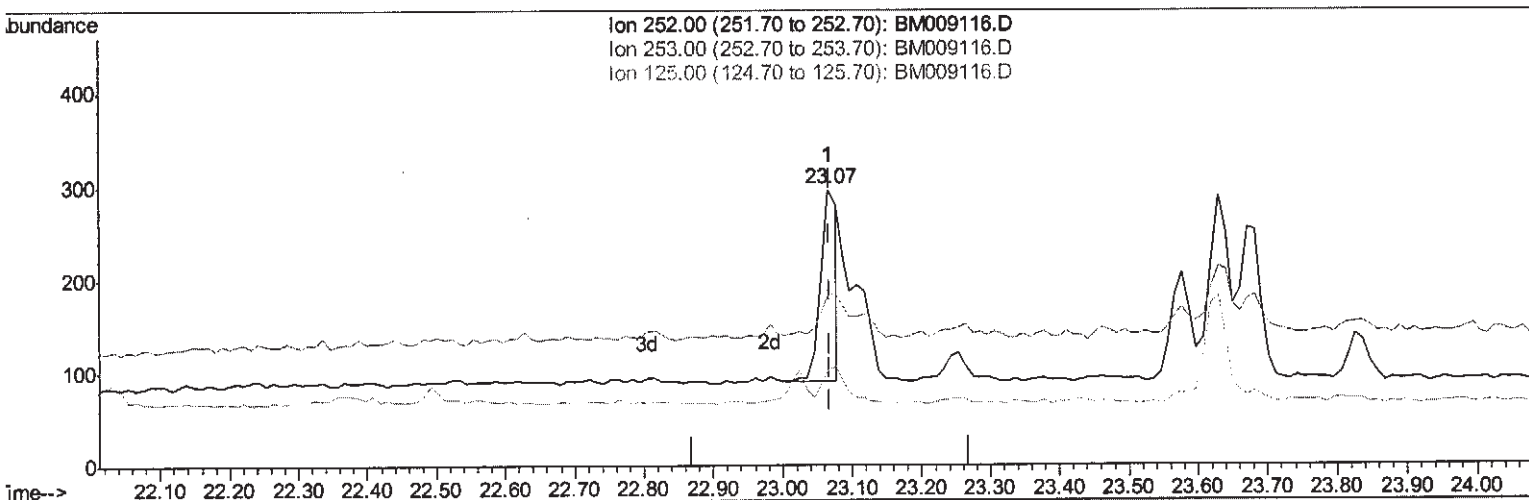
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
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3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:20:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.066min (-0.003) 0.09ng/ul

response 338

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	61.62
125.00	17.50	34.68
0.00	0.00	0.00

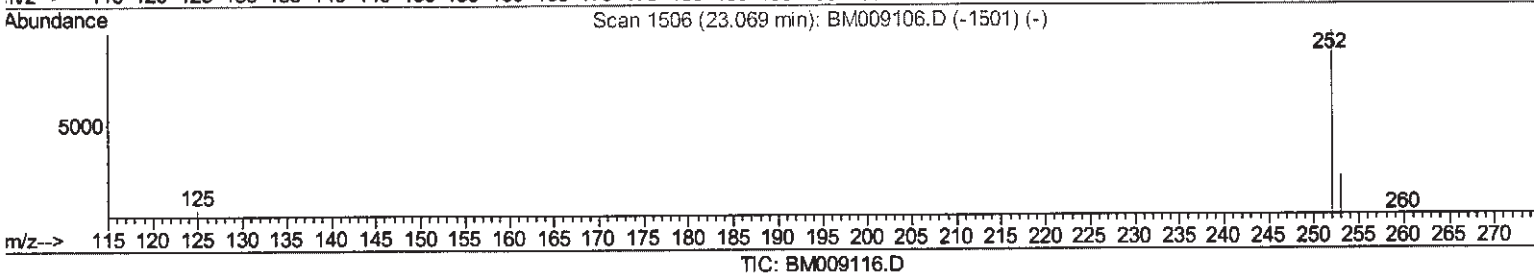
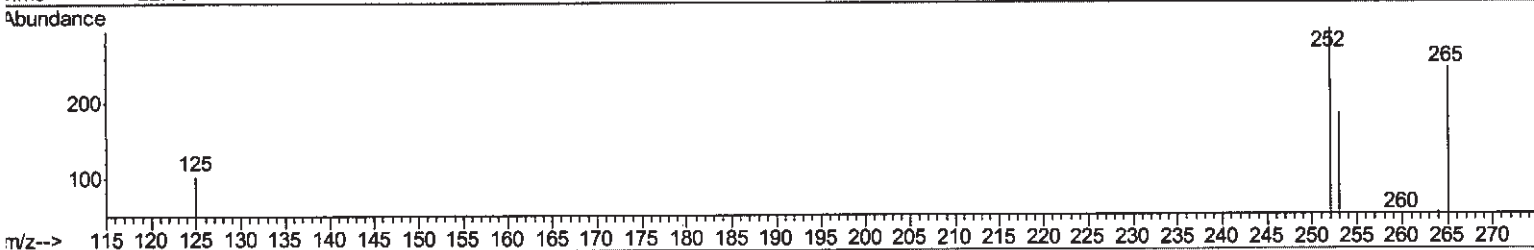
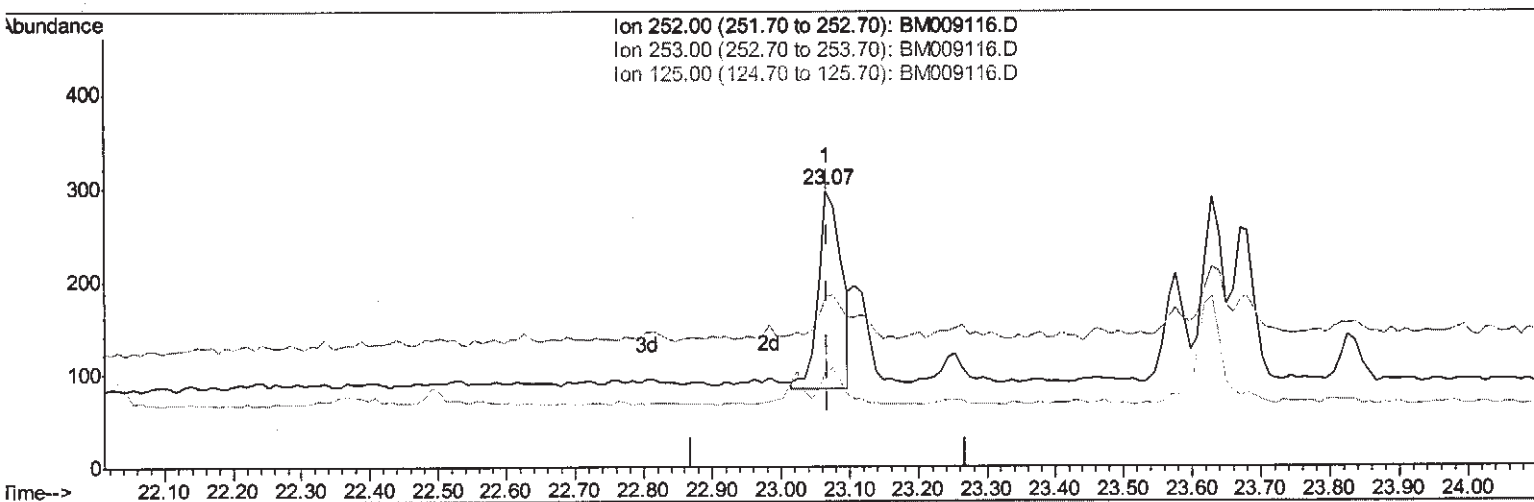
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:20:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



TIC: BM009116.D

(21) Benzo(b)fluoranthene

23.066min (-0.003) 0.13ng/ul m

response 514

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	61.62
125.00	17.50	34.68
0.00	0.00	0.00

> SJ
03/16/17

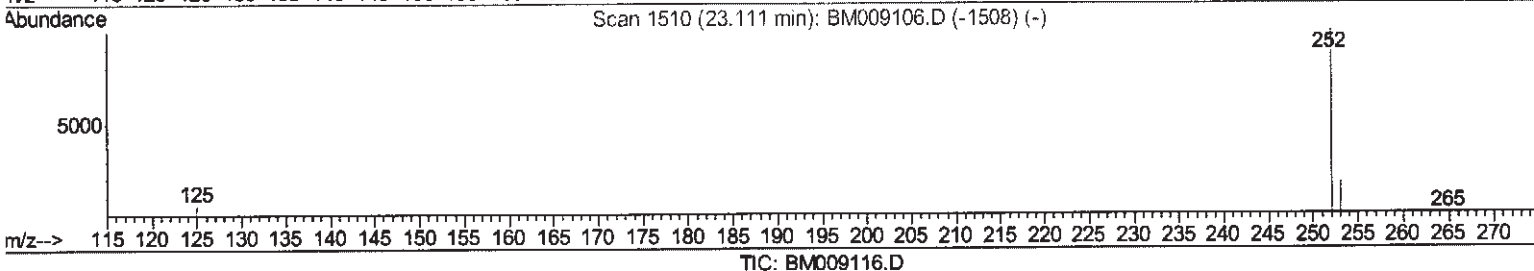
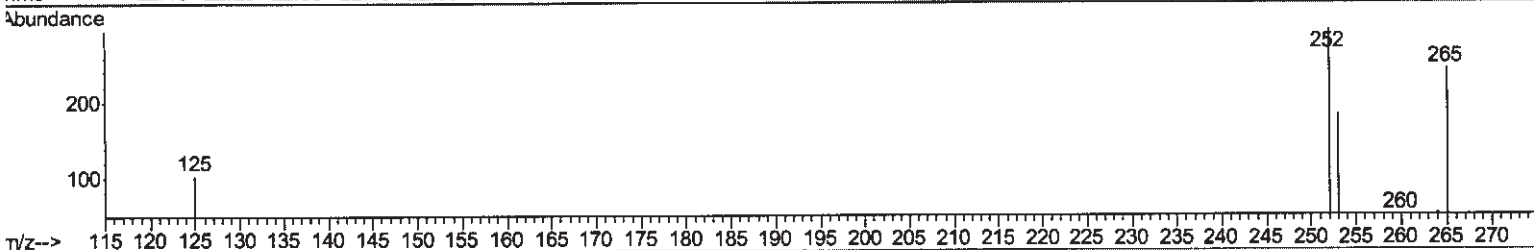
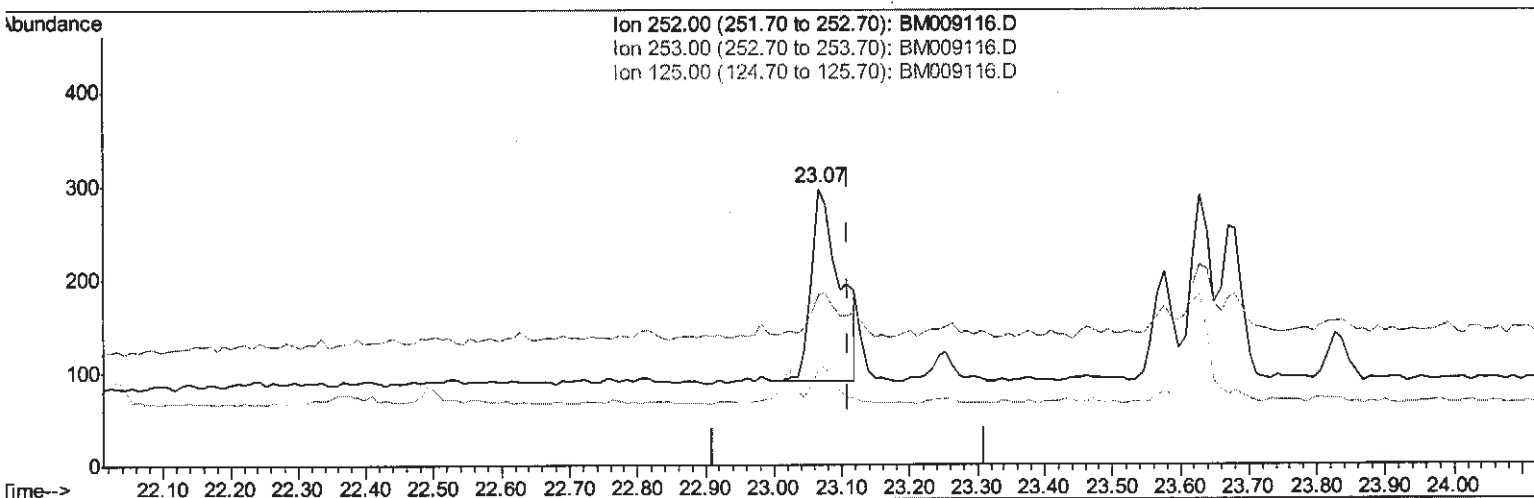
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:20:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.066min (-0.045) 0.18ng/ul

response 604

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	61.62#
125.00	17.10	34.68#
0.00	0.00	0.00

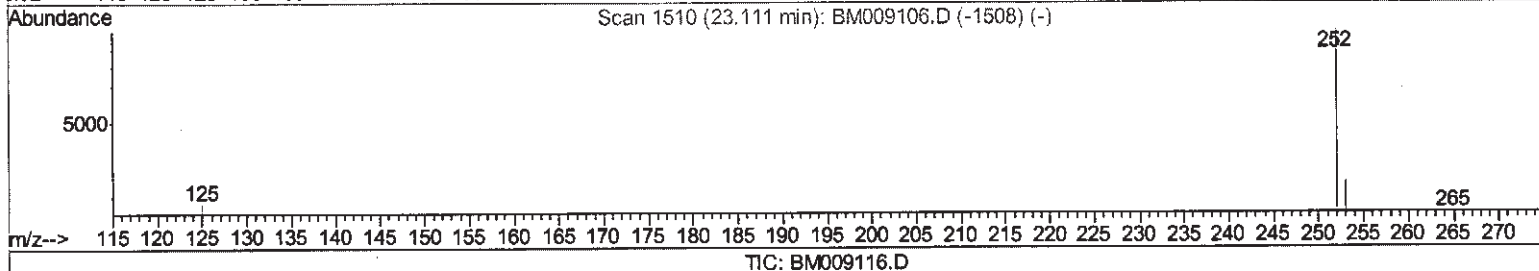
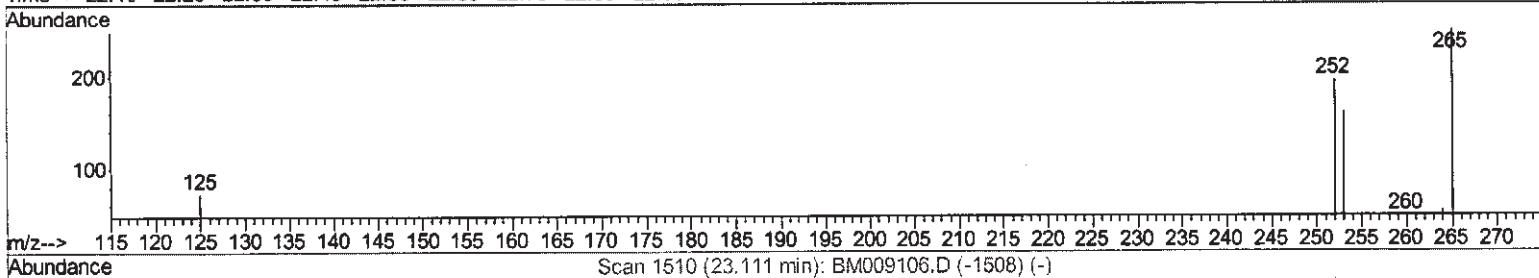
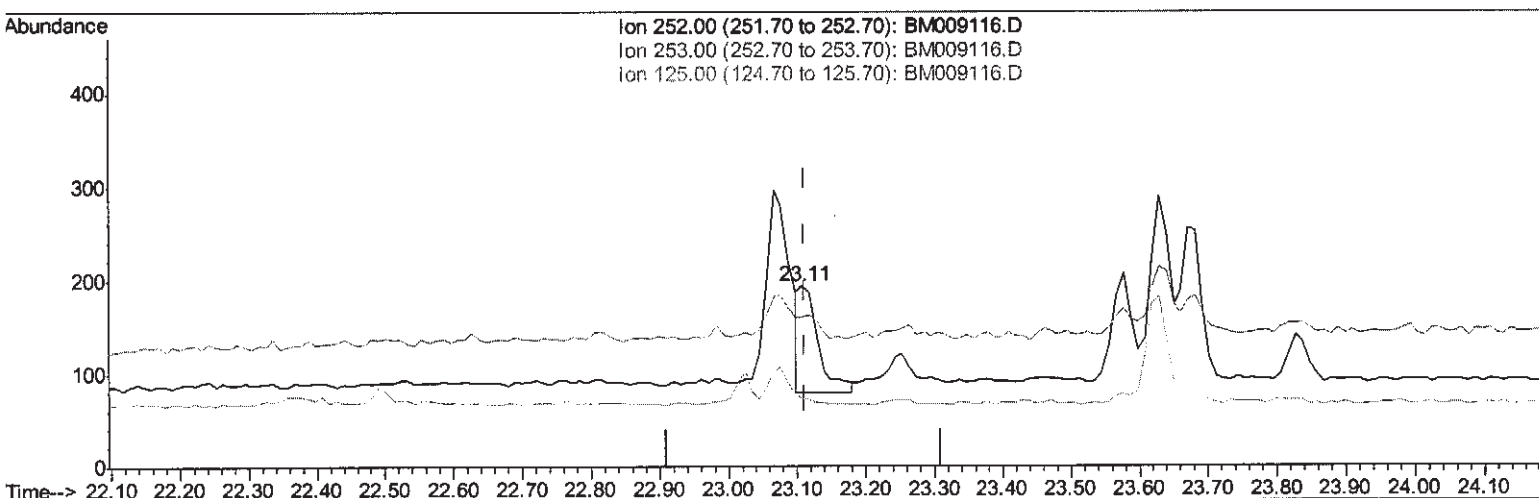
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:20:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.107min (-0.003) 0.07ng/ul m

response 227

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	82.47#
125.00	17.10	37.63#
0.00	0.00	0.00

> SJ
03/16/17

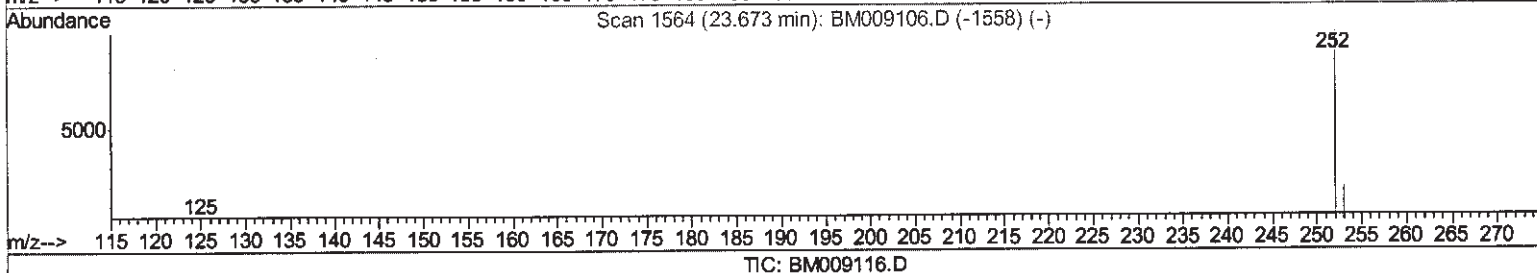
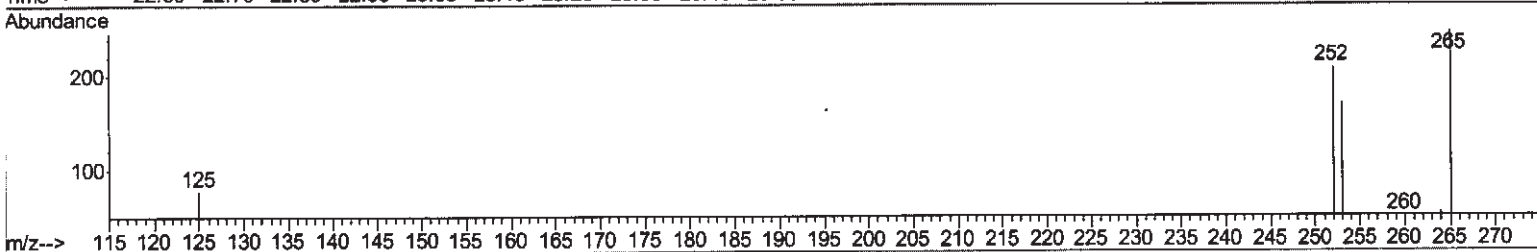
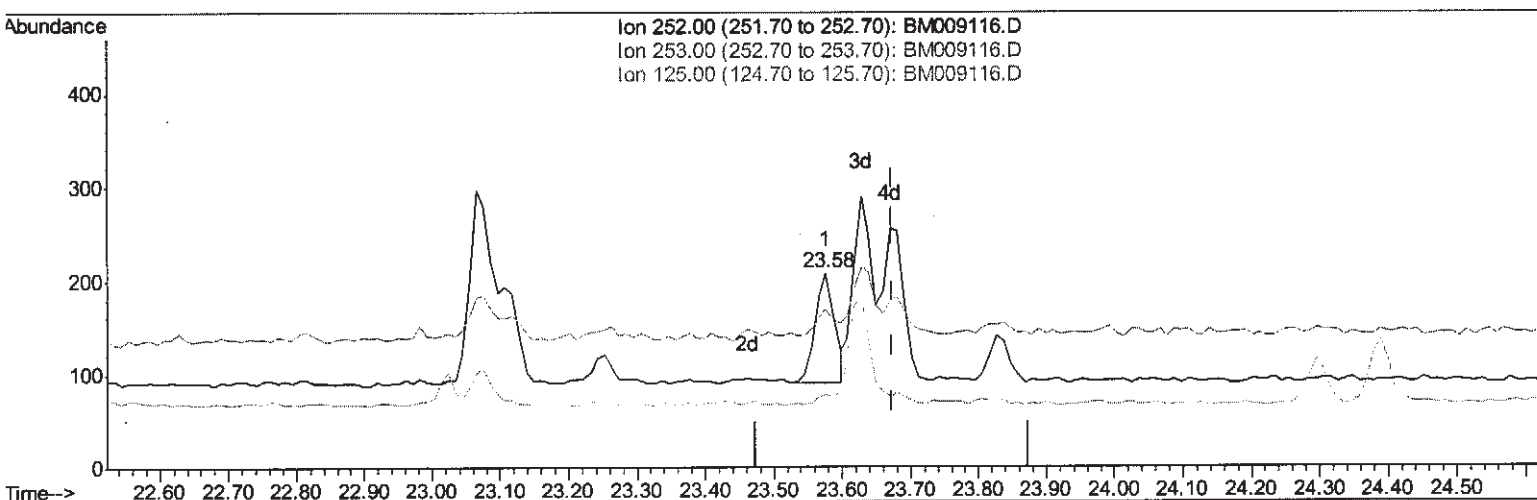
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:22:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



TIC: BM009116.D

(23) Benzo(a)pyrene (C)

23.576min (-0.097) 0.06ng/ul

response 228

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	81.73#
125.00	22.60	37.50#
0.00	0.00	0.00

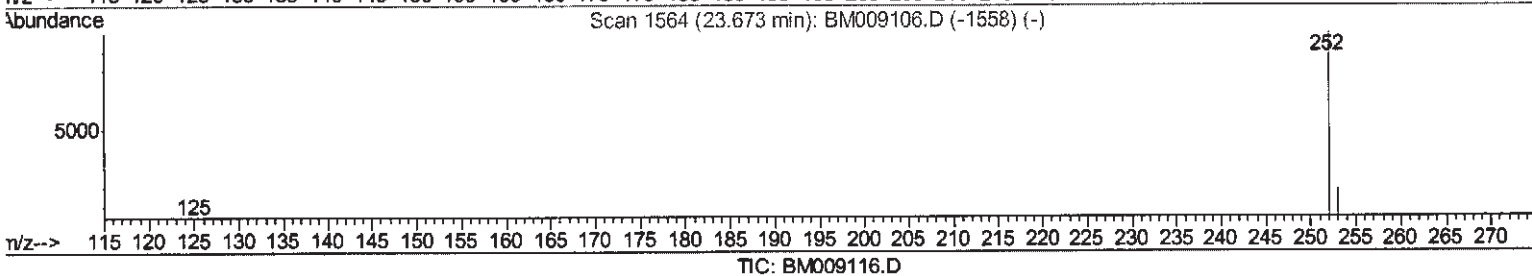
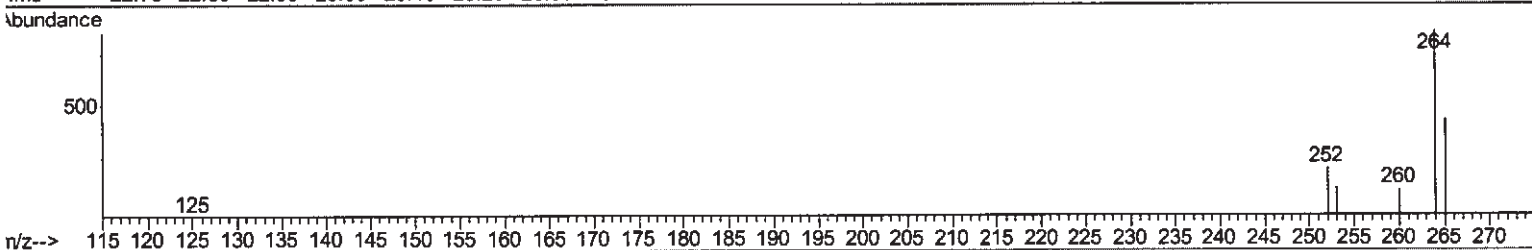
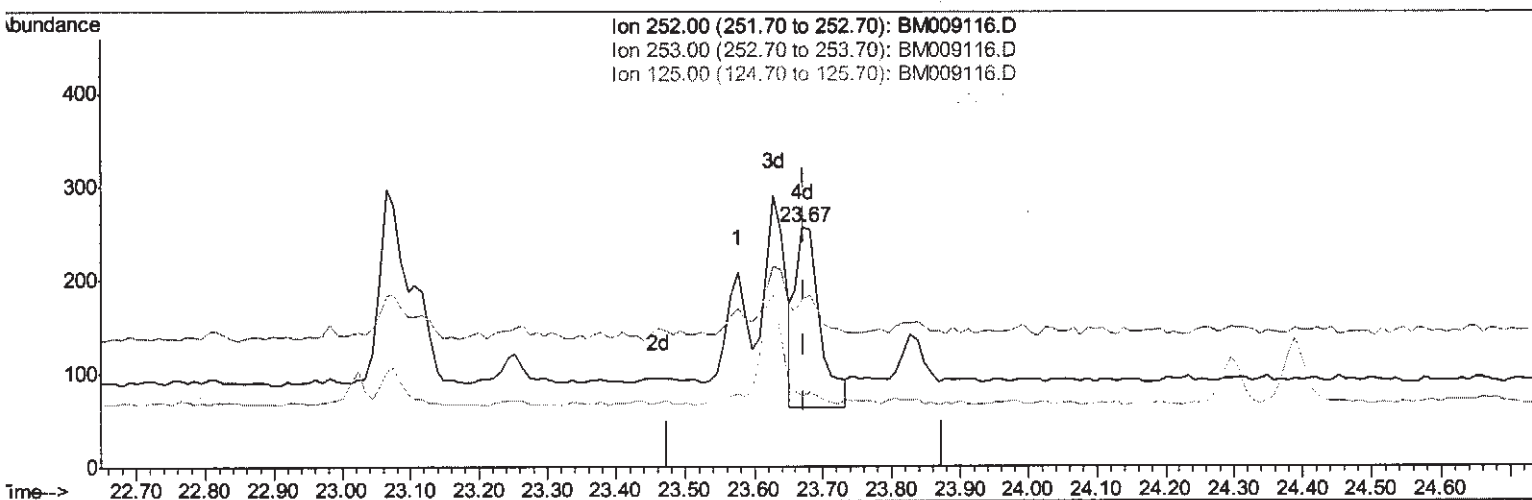
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009116.D
Acq On : 08 Mar 2017 19:17
Operator : SJ/MA
Sample : I2062-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:22:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 01:19:41 2017
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.670min (-0.003) 0.14ng/ul m

response 479

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	70.31#
125.00	22.60	29.69#
0.00	0.00	0.00

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03/16/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009116.D
 Acq On : 08 Mar 2017 19:17
 Operator : SJ/MA
 Sample : I2062-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD5

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:37 PM

Quant Time: Mar 09 02:23:00 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 01:19:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	233	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	696	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	421	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1012m	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	1073	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	993m	0.40	ng/ul	0.00

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System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	316	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	931	0.29	ng/ul	0.00

Target Compounds				Qvalue		
12) Phenanthrene	17.31	178	258m	0.08	ng/ul	
15) Fluoranthene	19.33	202	963	0.23	ng/ul	93
17) Pyrene	19.69	202	977	0.26	ng/ul#	90
18) Benzo(a)anthracene	21.43	228	410	0.11	ng/ul#	78
19) Chrysene	21.48	228	360	0.11	ng/ul#	75
21) Benzo(b)fluoranthene	23.07	252	514m	0.13	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	227m	0.07	ng/ul	
23) Benzo(a)pyrene	23.67	252	479m	0.14	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.16	276	254m	0.06	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	239m	0.06	ng/ul	

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