

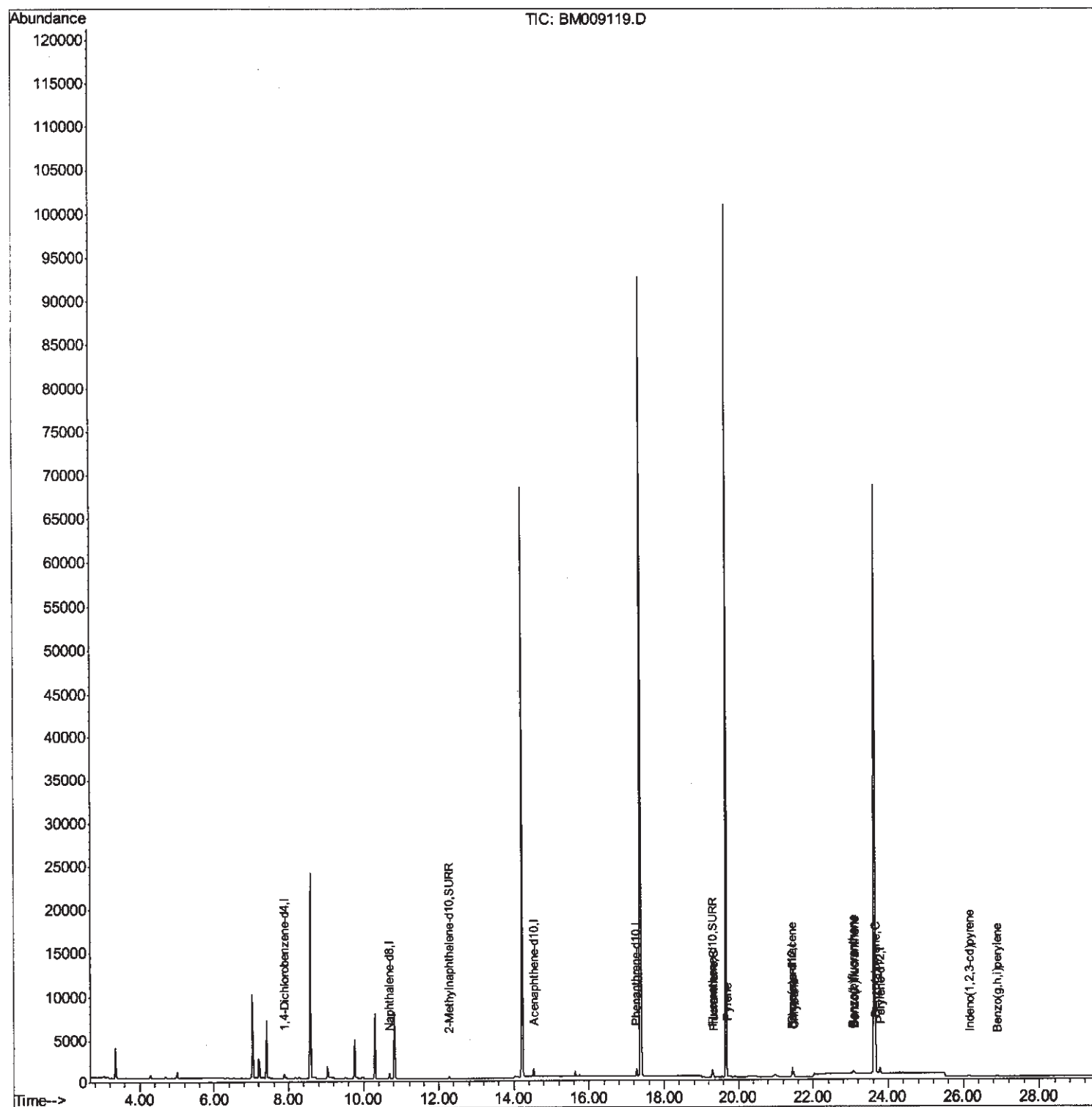
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:36:25 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



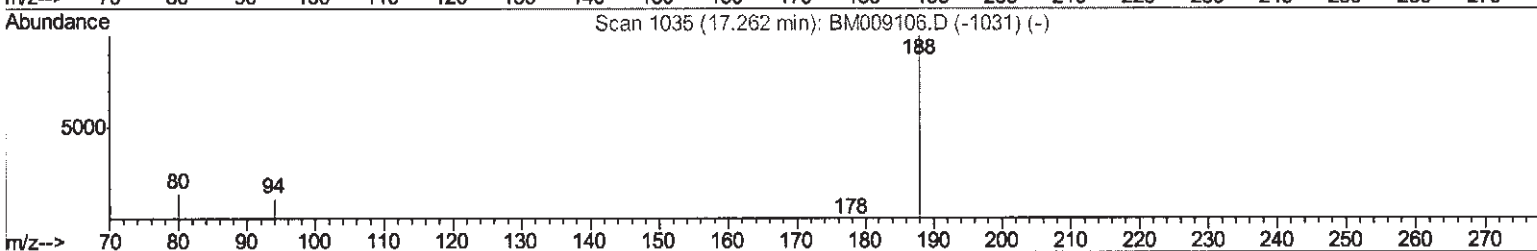
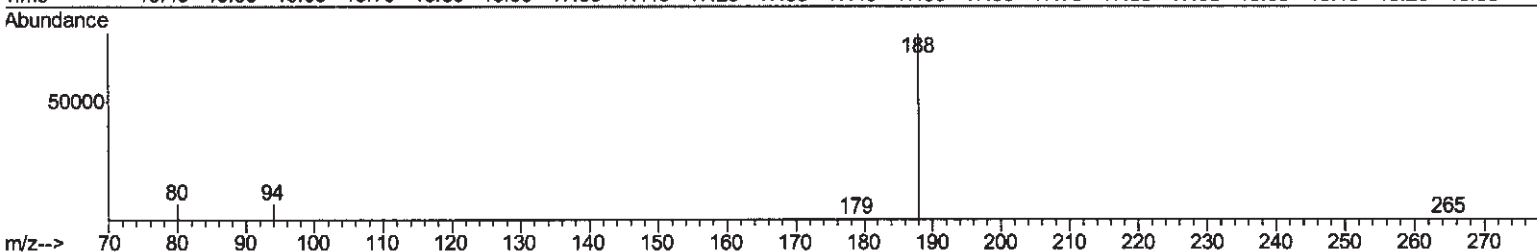
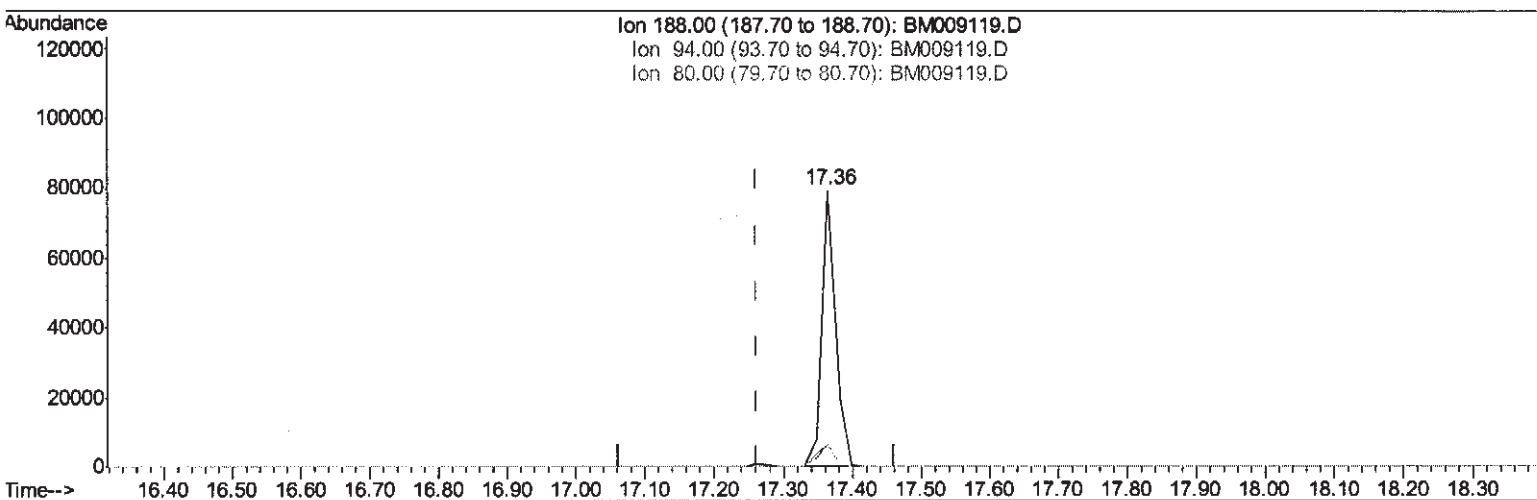
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 01:20:47 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: BM009119.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 109979

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.04#
80.00	11.80	8.22#
0.00	0.00	0.00

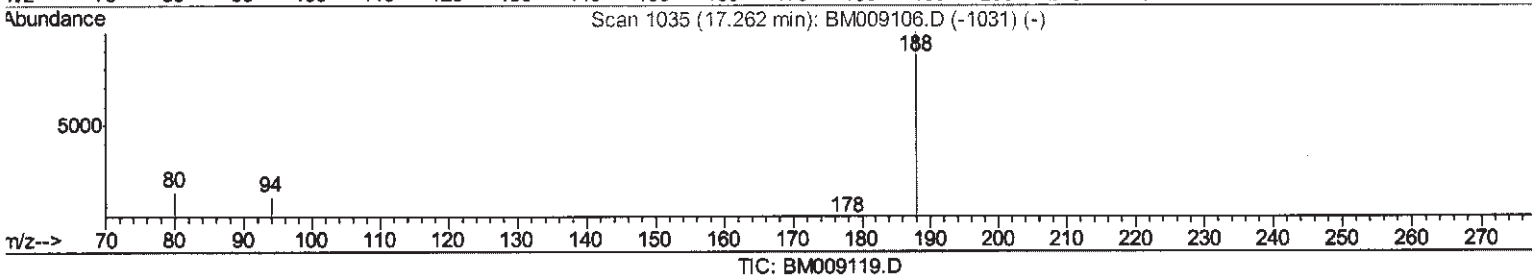
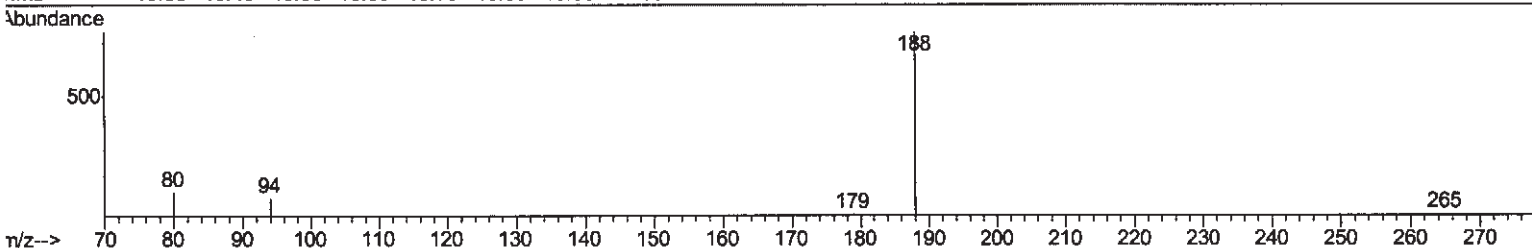
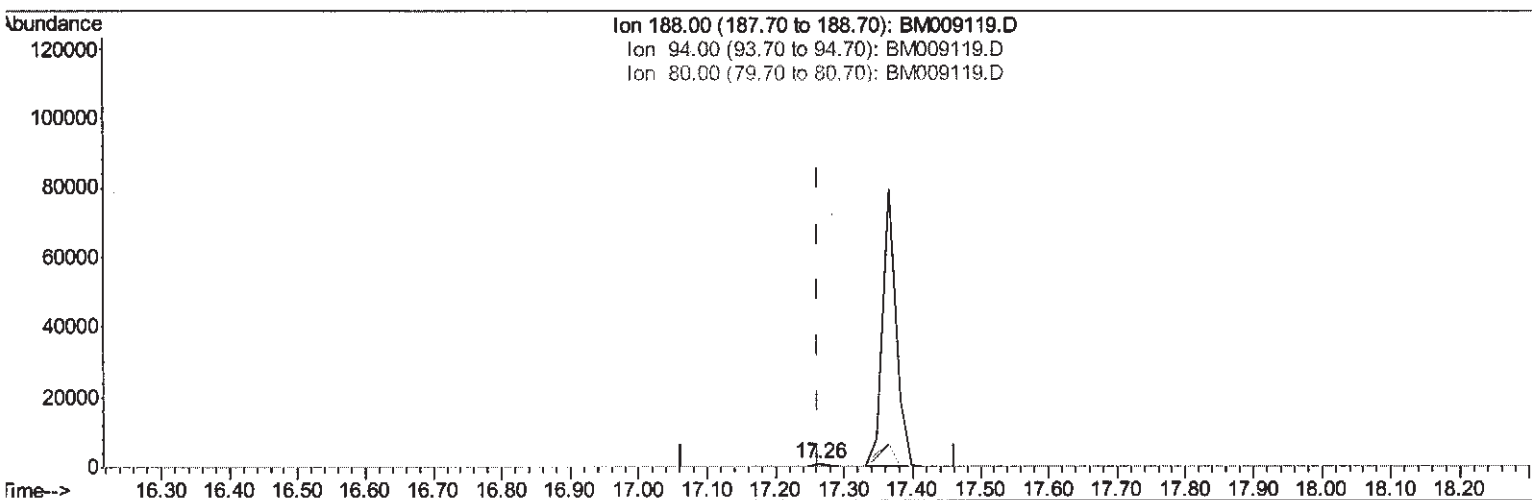
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 01:20:47 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 (I)

17.262min (+0.000) 0.40ng/ul m

response 1252

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	15.48#
80.00	11.80	18.44#
0.00	0.00	0.00

SJ
03/16/17

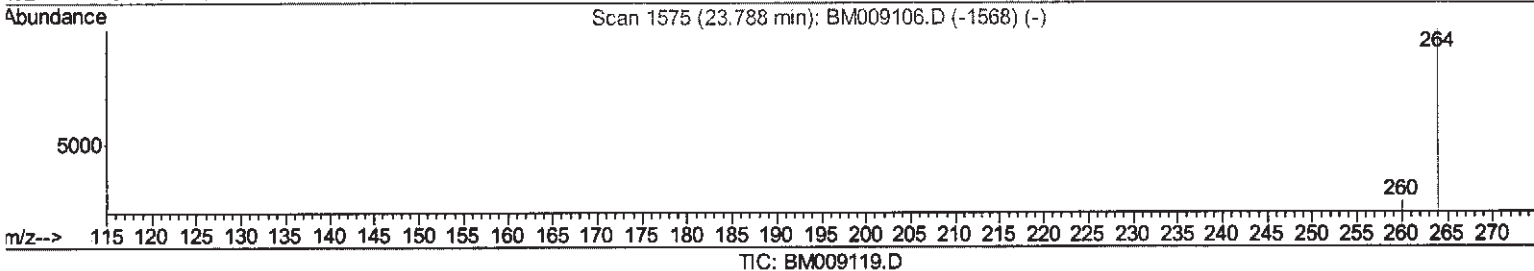
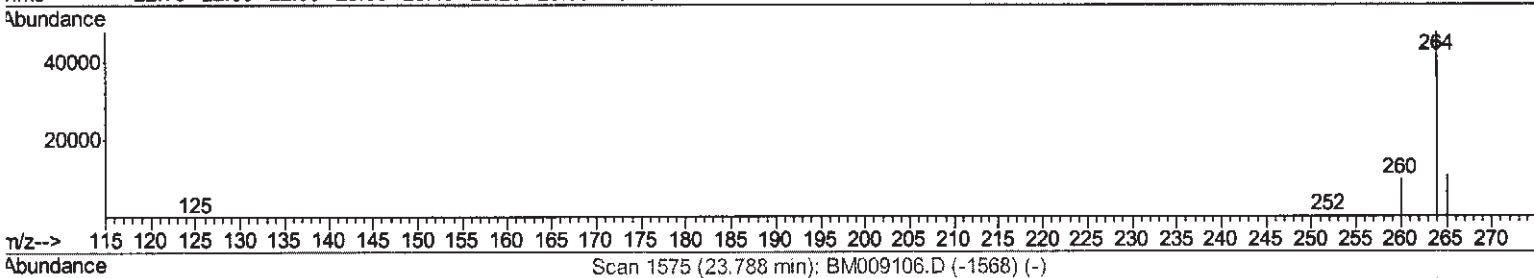
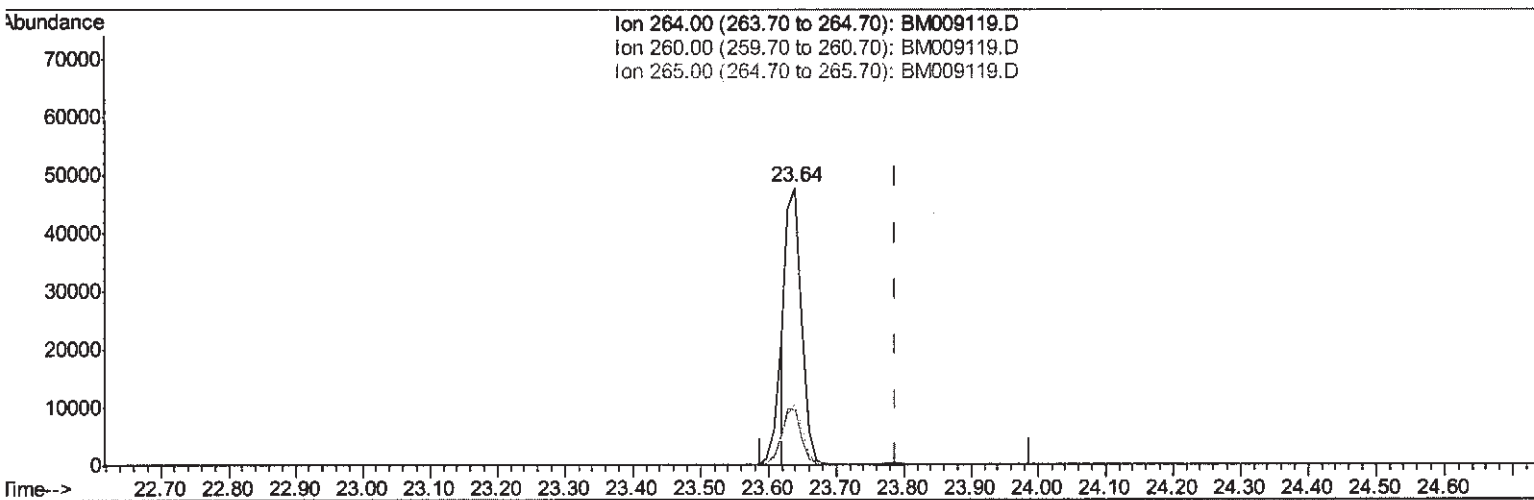
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 01:20:47 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 77755

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.10#
265.00	103.50	22.30#
0.00	0.00	0.00

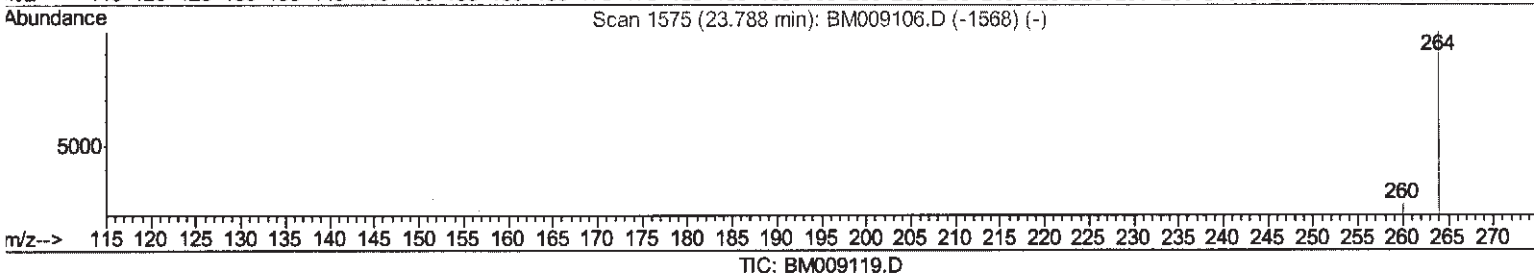
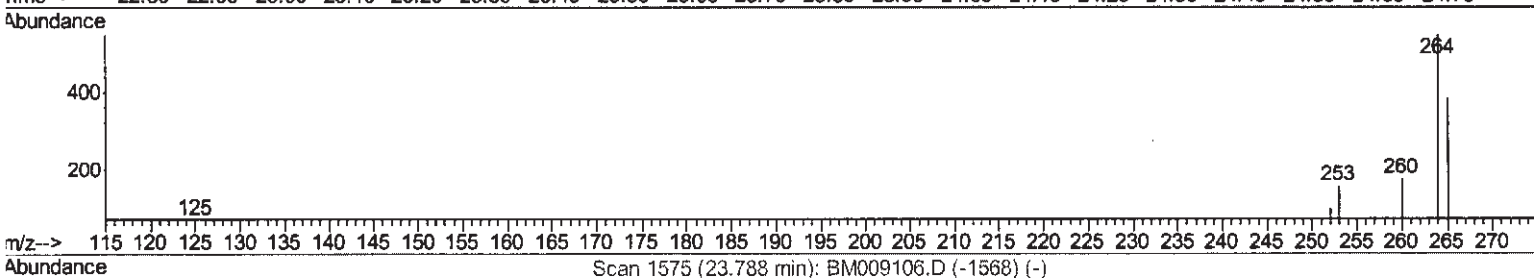
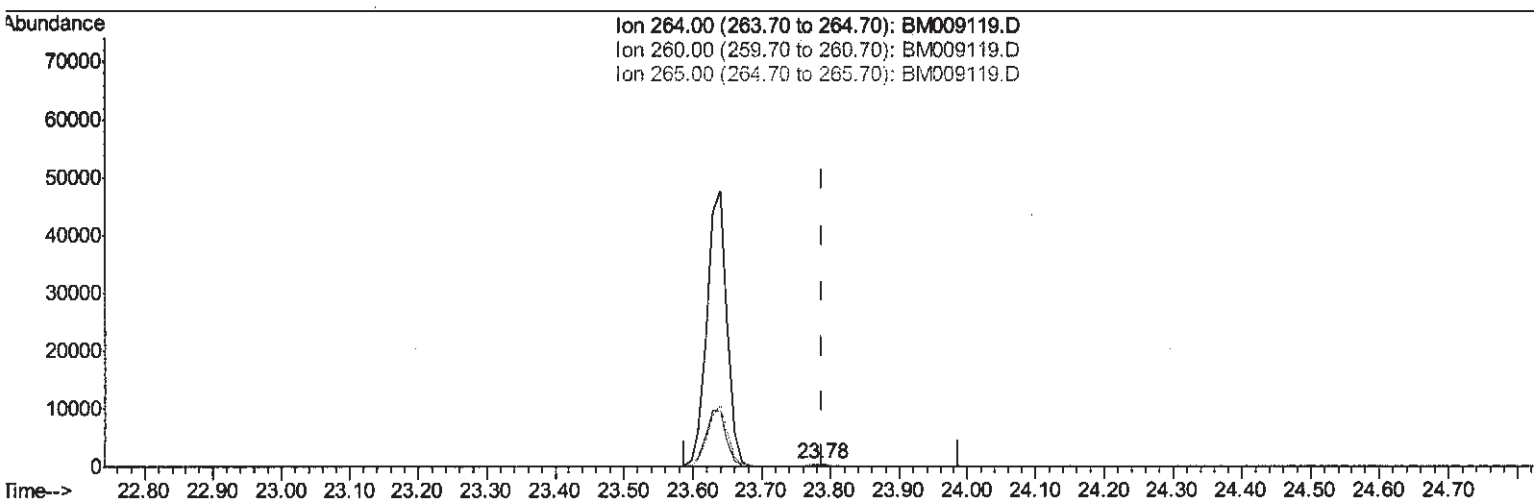
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 01:20:47 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 1006

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.88
265.00	103.50	69.58#
0.00	0.00	0.00

SJ
03/16/17

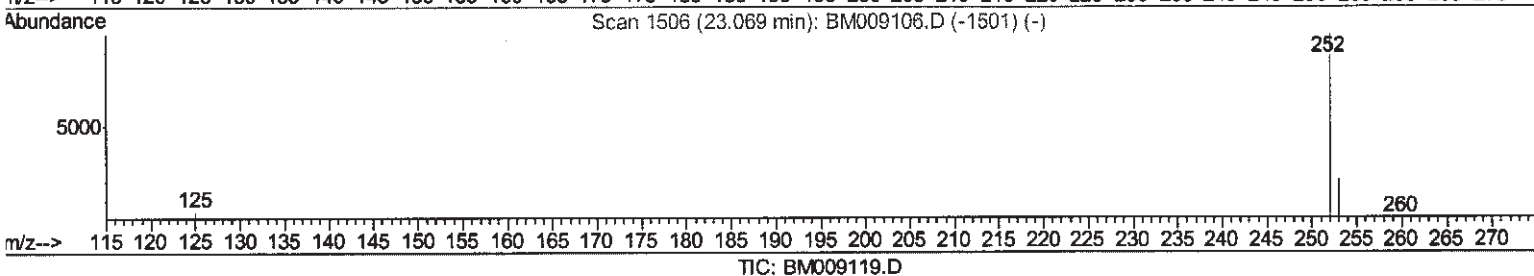
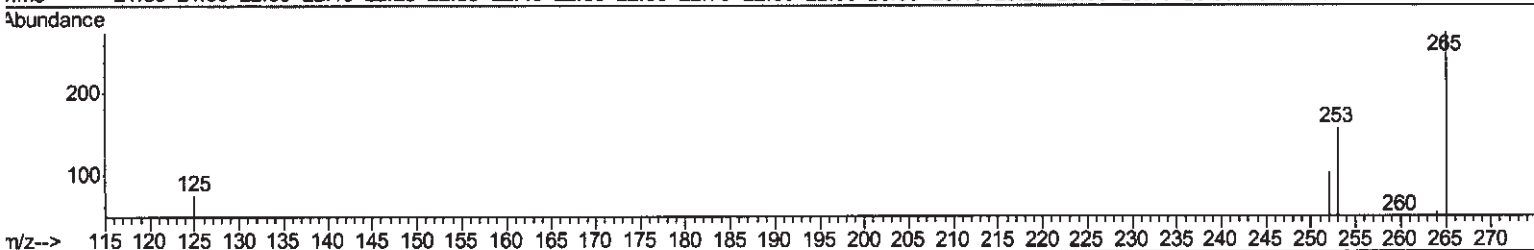
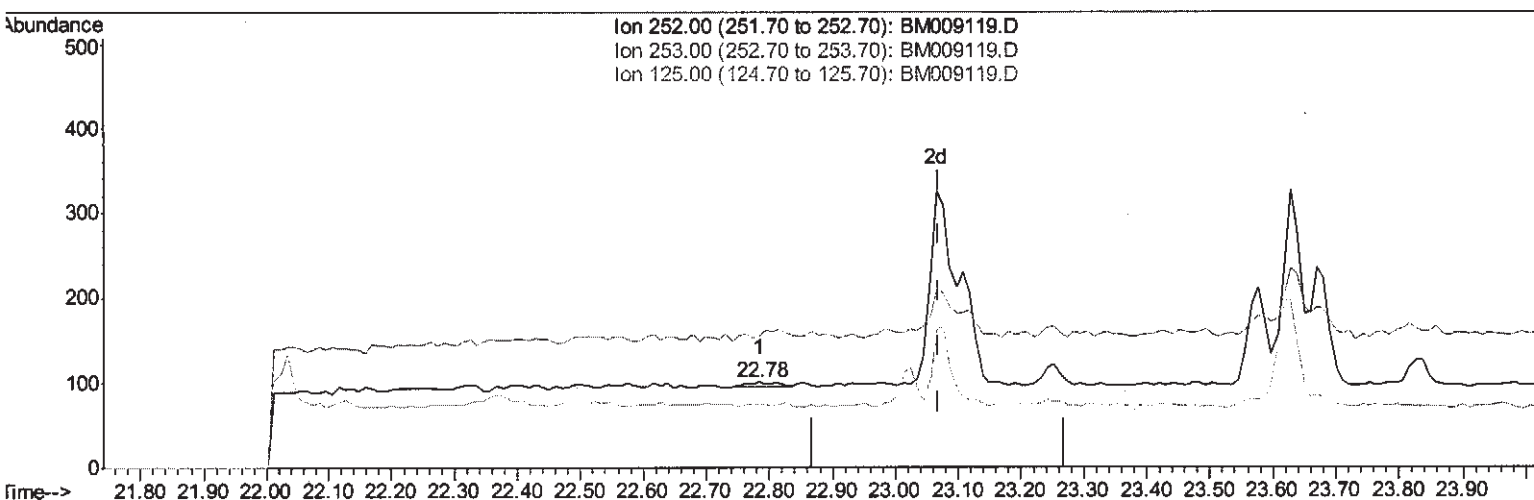
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

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3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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

22.784min (-0.285) 0.00ng/ui

response 19

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	153.47#
125.00	17.50	73.27#
0.00	0.00	0.00

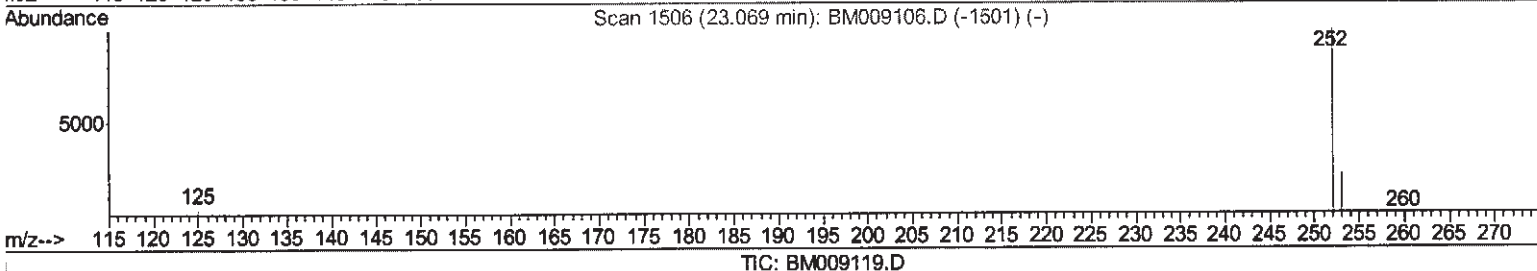
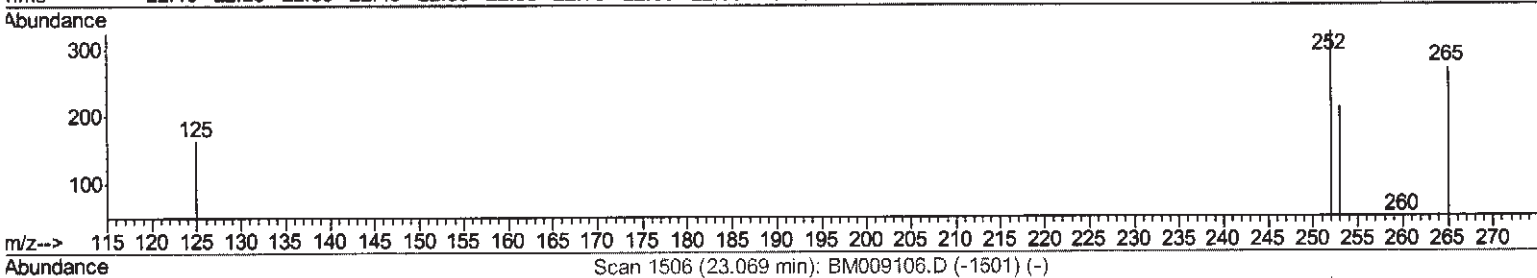
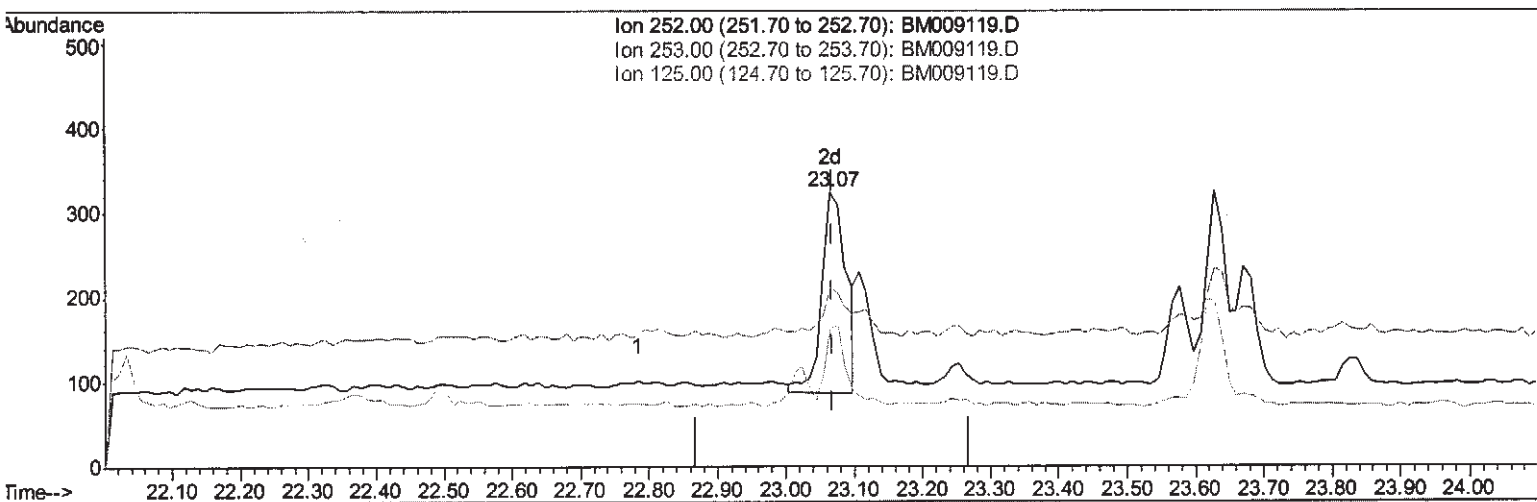
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
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3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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) 0.15ng/ul m

response 599

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	64.92#
125.00	17.50	50.46#
0.00	0.00	0.00

SJ
03/16/17

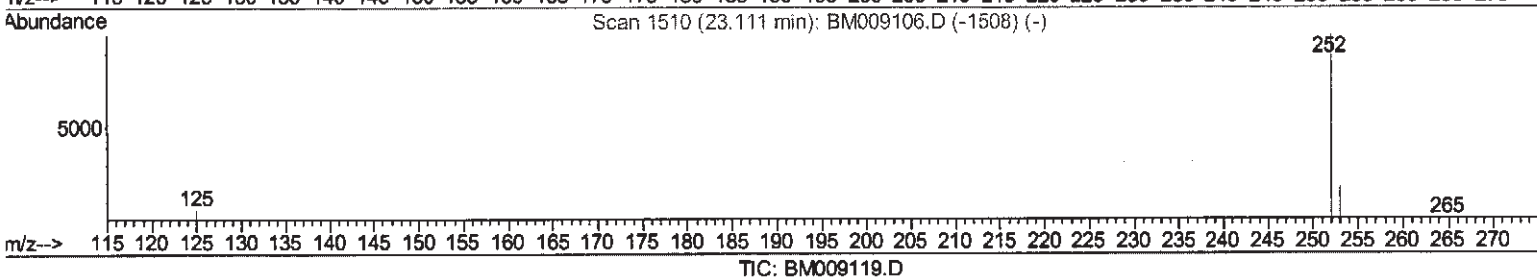
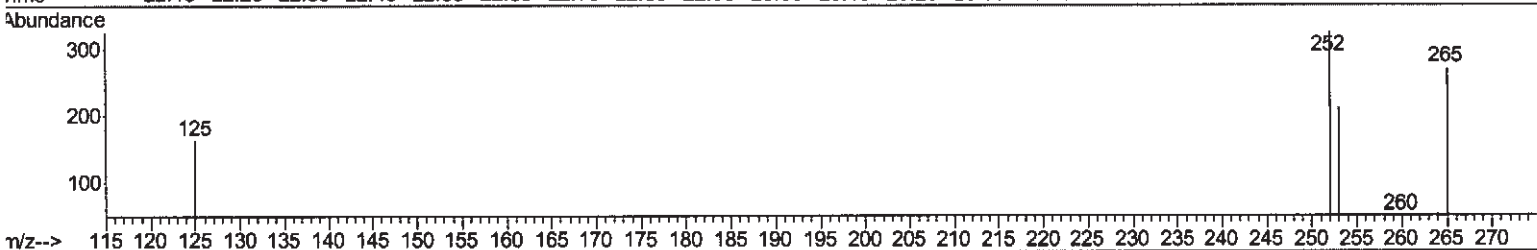
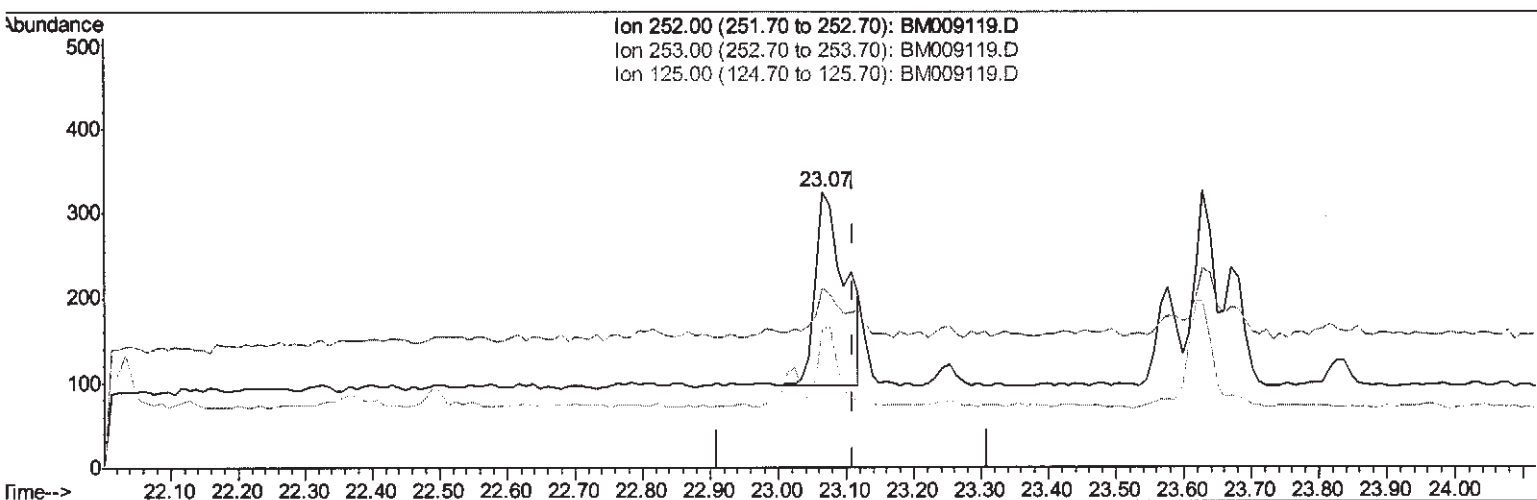
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

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3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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) 0.20ng/ul

response 702

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	64.92#
125.00	17.10	50.46#
0.00	0.00	0.00

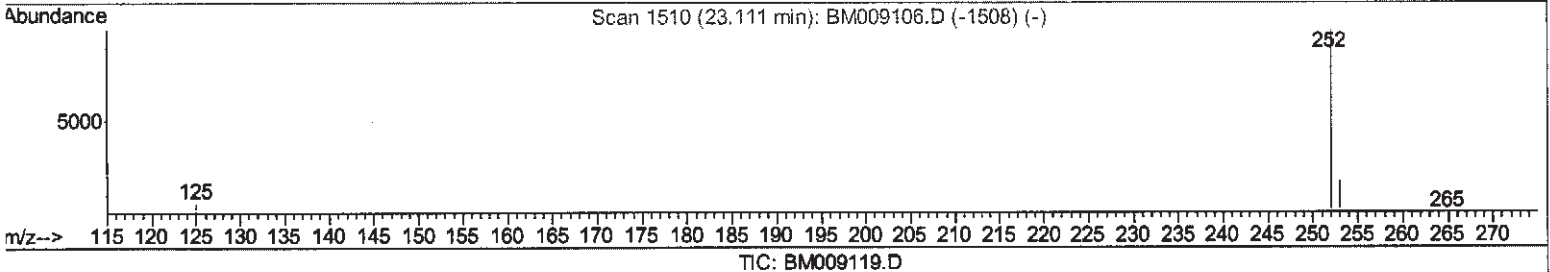
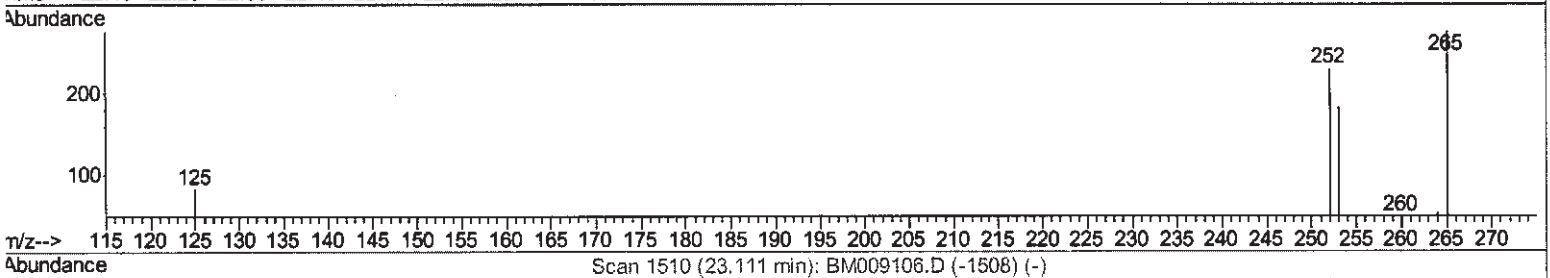
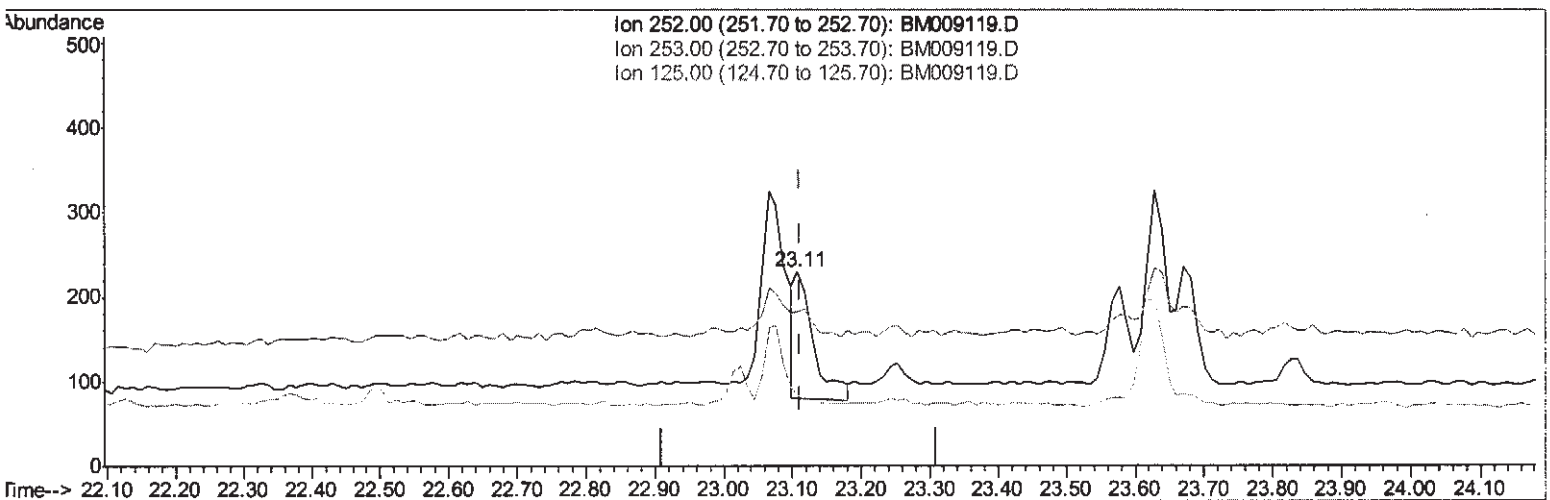
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

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3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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) 0.08ng/ul m

response 294

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	79.57#
125.00	17.10	36.09#
0.00	0.00	0.00

SJ
03/16/17

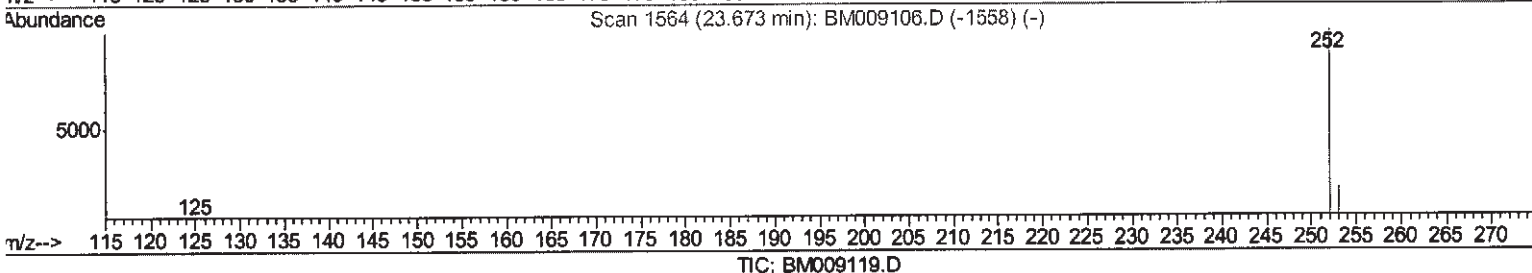
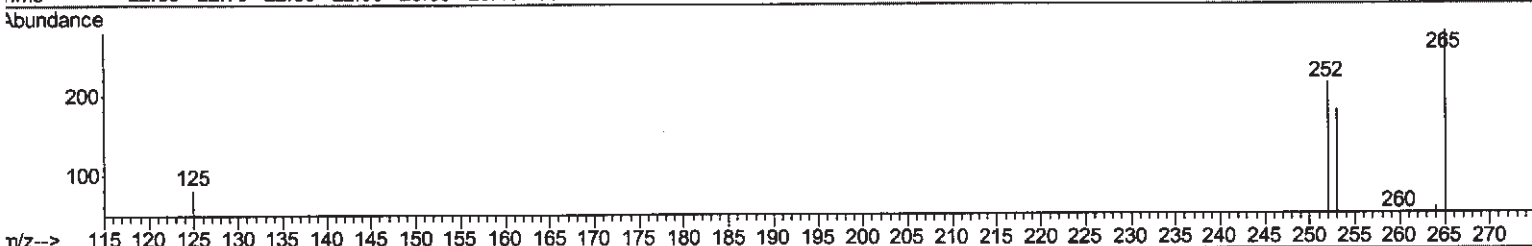
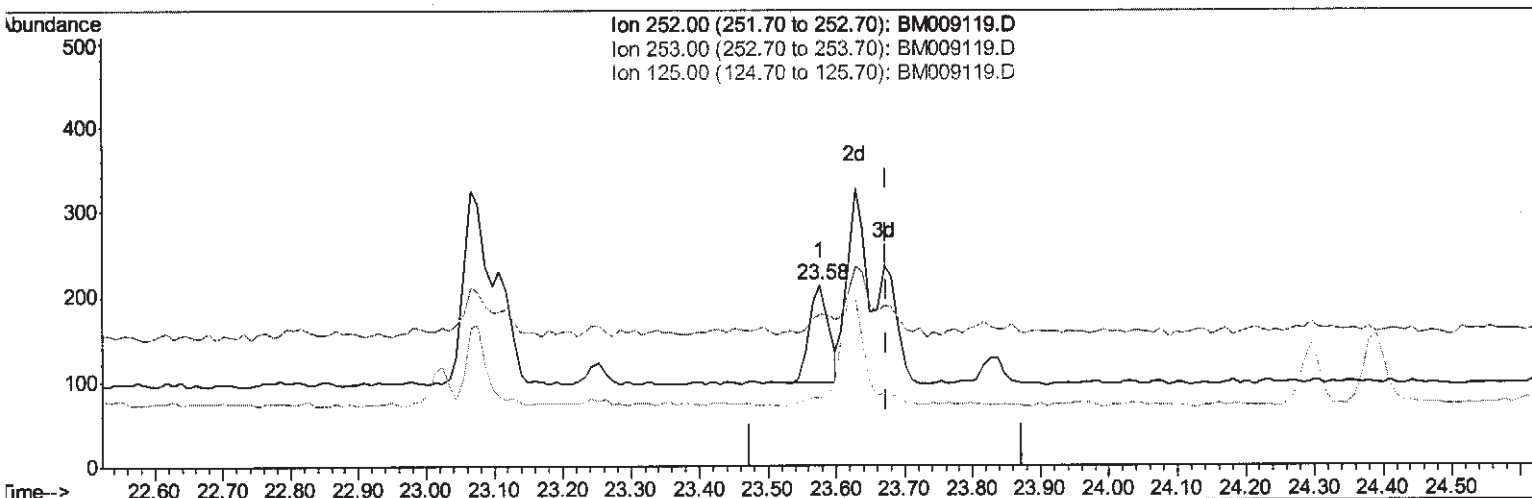
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
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mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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: BM009119.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	83.57#
125.00	22.60	38.03#
0.00	0.00	0.00

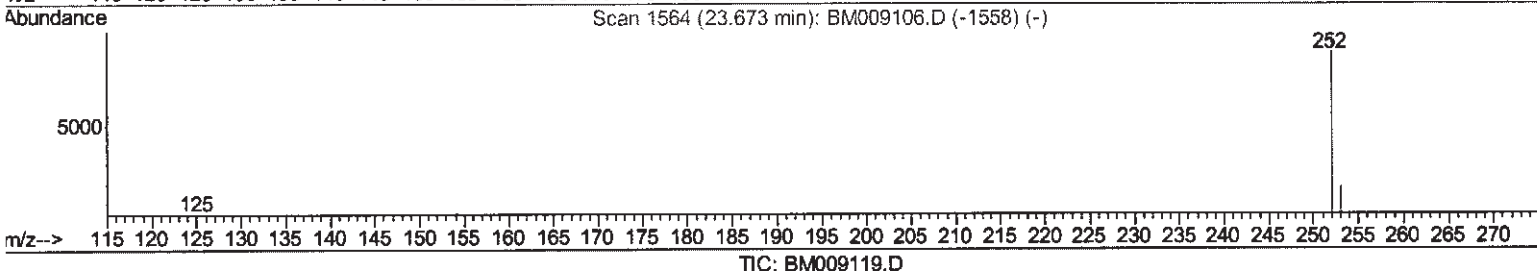
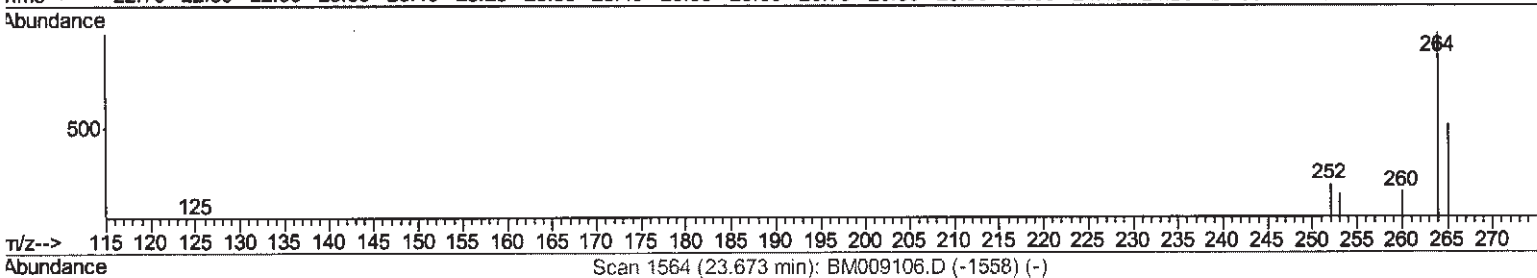
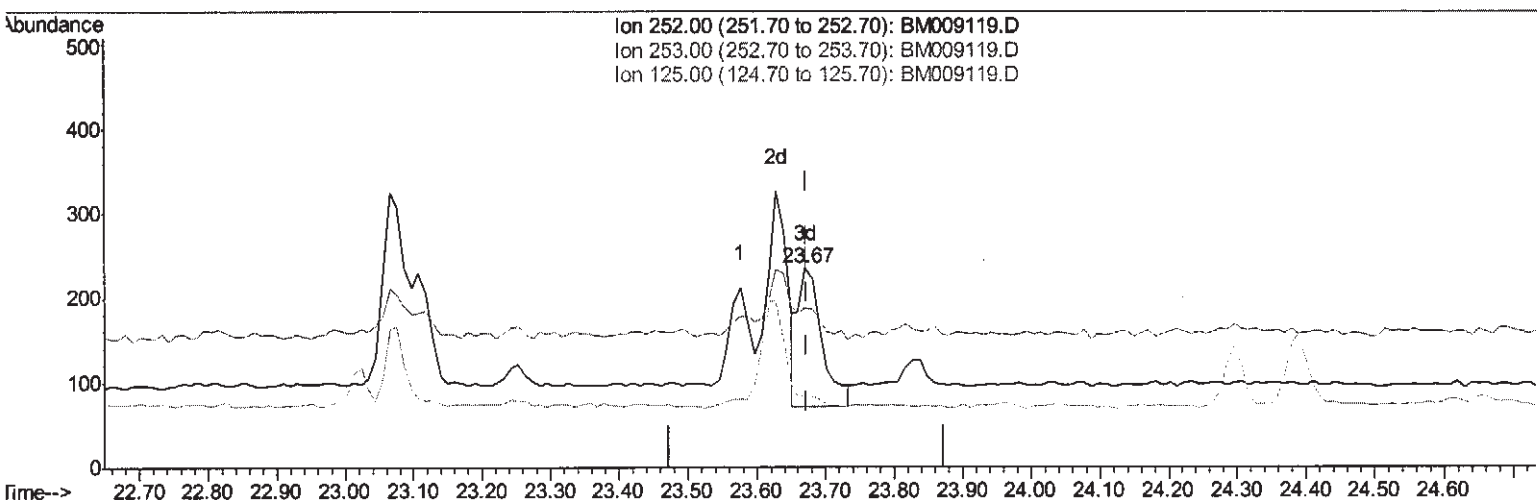
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009119.D
 Acq On : 08 Mar 2017 21:05
 Operator : SJ/MA
 Sample : I2062-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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) 0.11ng/ul m

response 404

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	80.08#
125.00	22.60	36.02#
0.00	0.00	0.00

SJ
 03/16/17

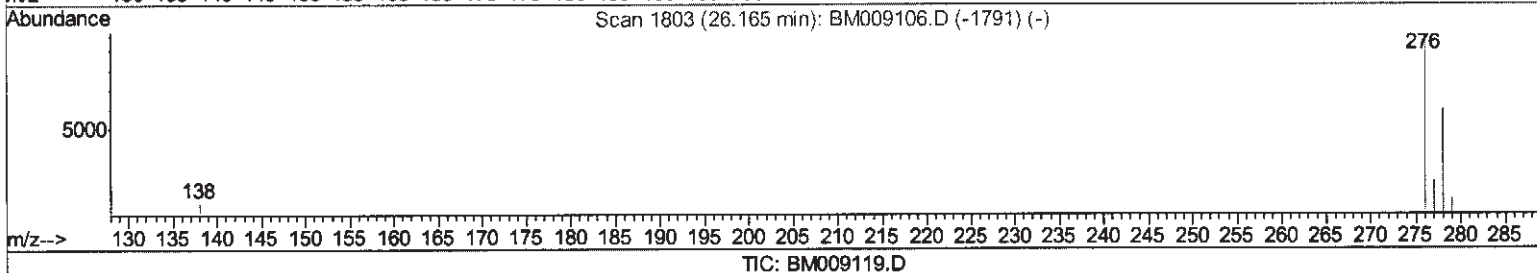
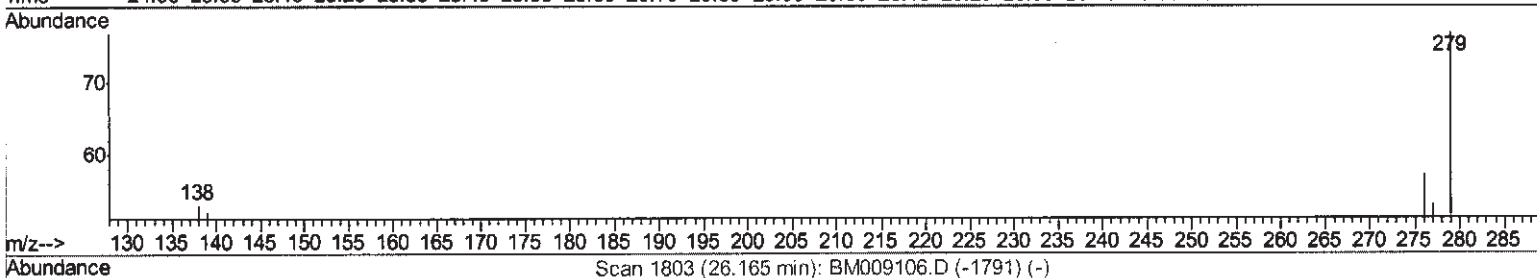
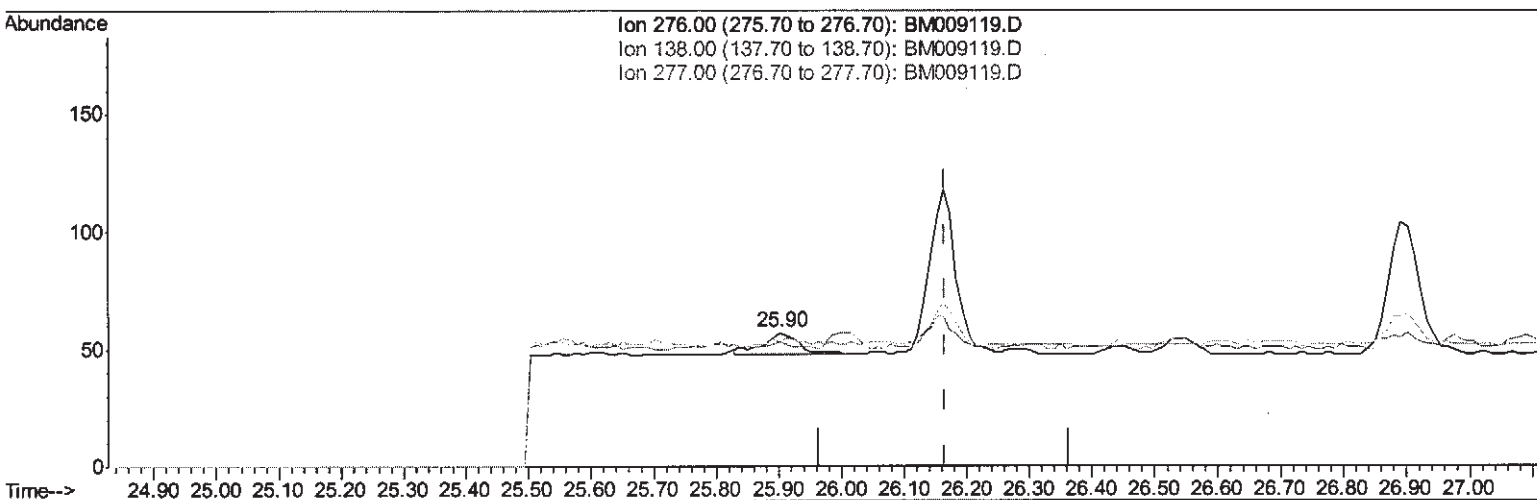
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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

25.901min (-0.264) 0.01ng/ul

response 36

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	22.22
277.00	24.50	36.11#
0.00	0.00	0.00

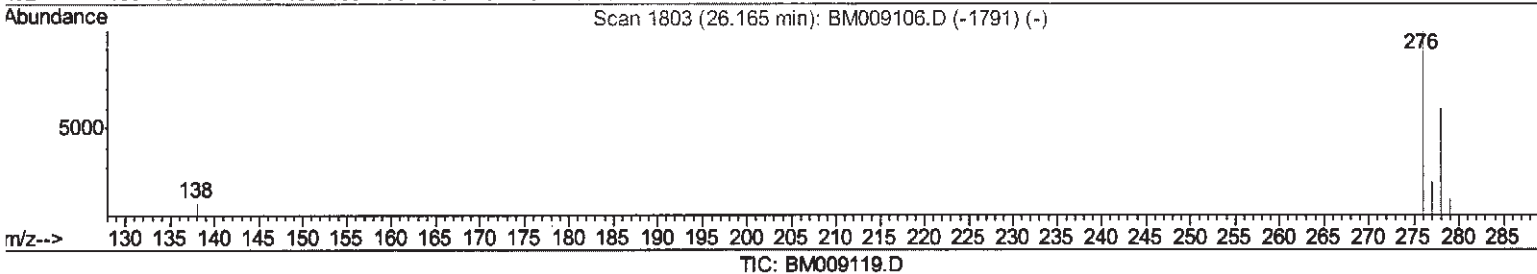
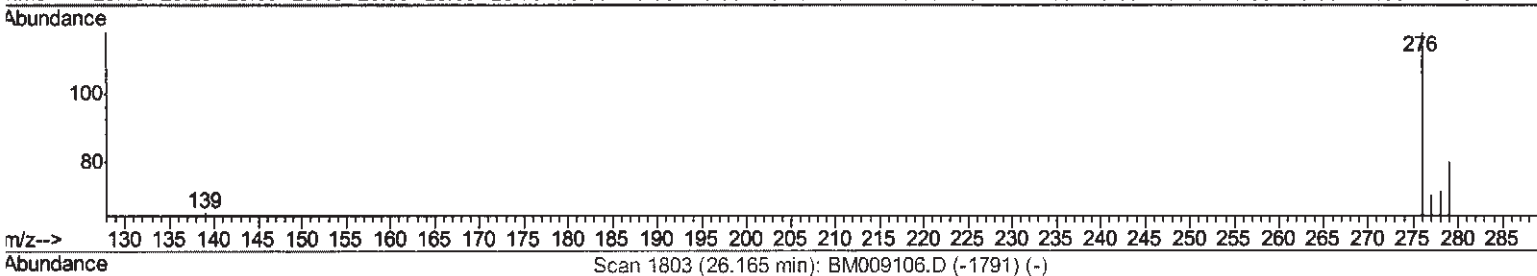
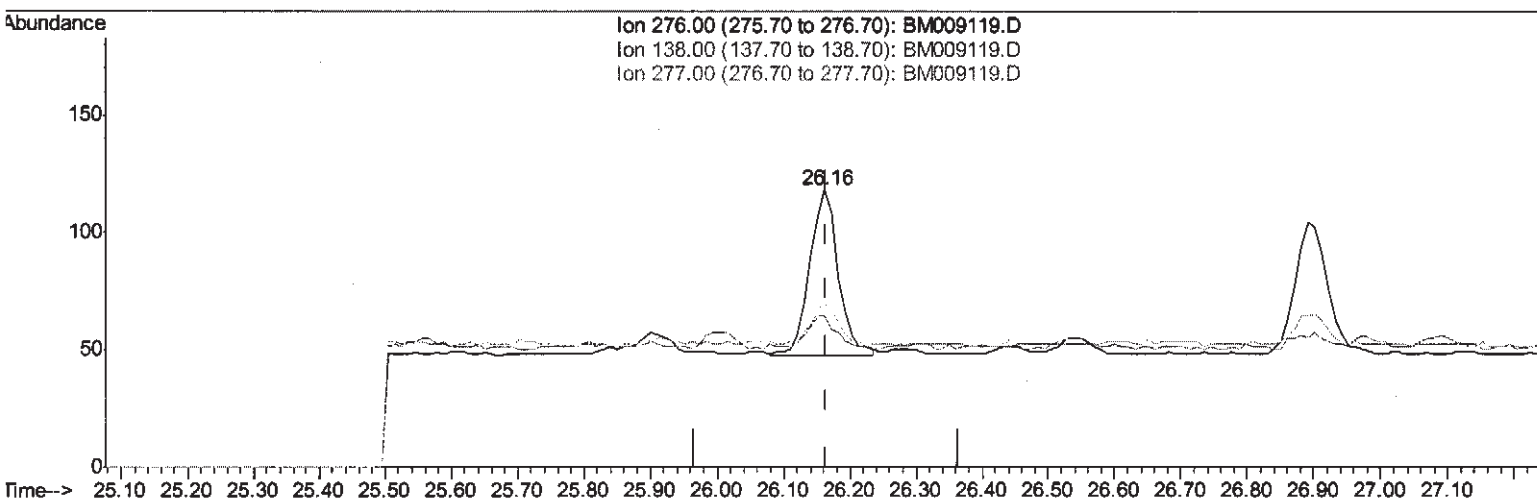
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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) 0.05ng/ul m

response 216

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	3.70#
277.00	24.50	6.02#
0.00	0.00	0.00

> $\frac{SJ}{03/16/17}$

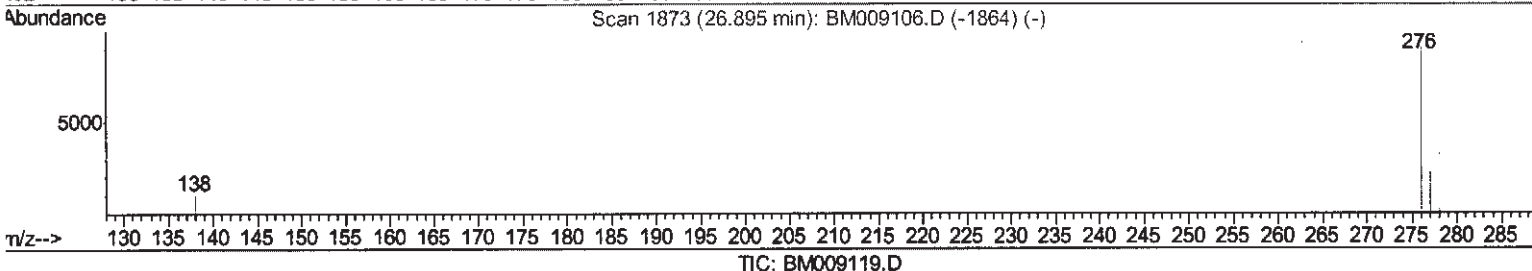
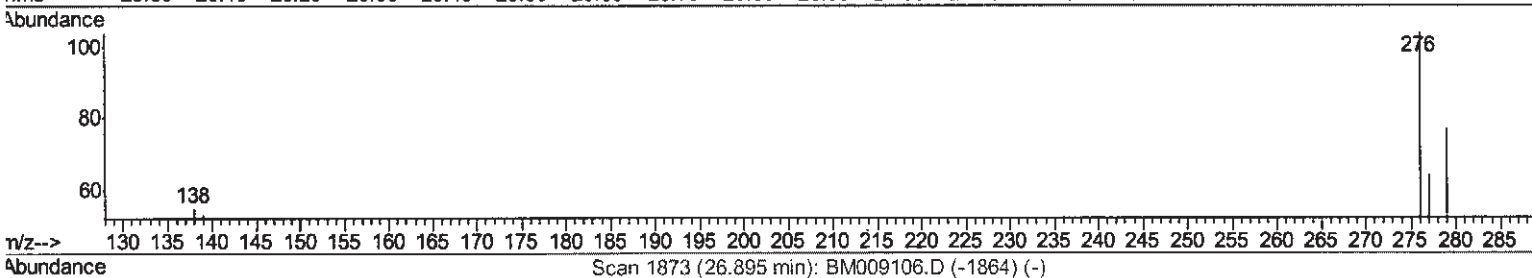
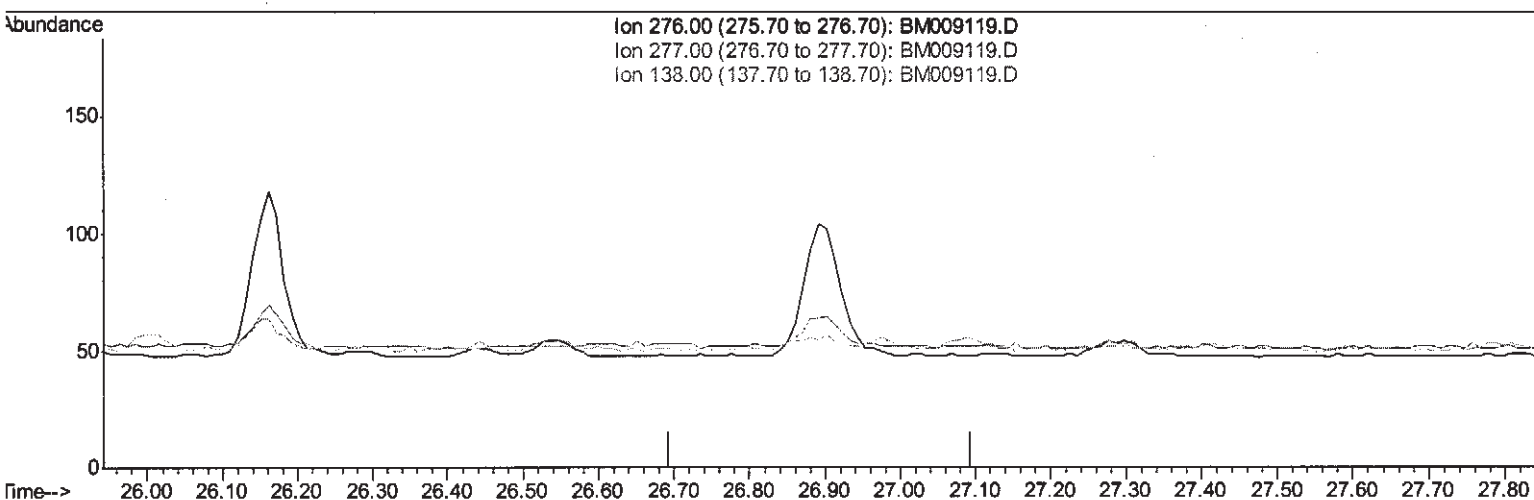
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
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Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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/ul

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

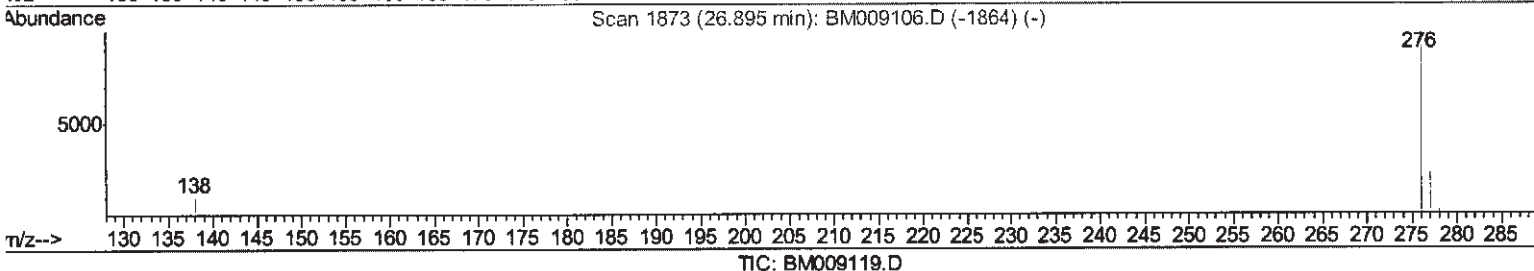
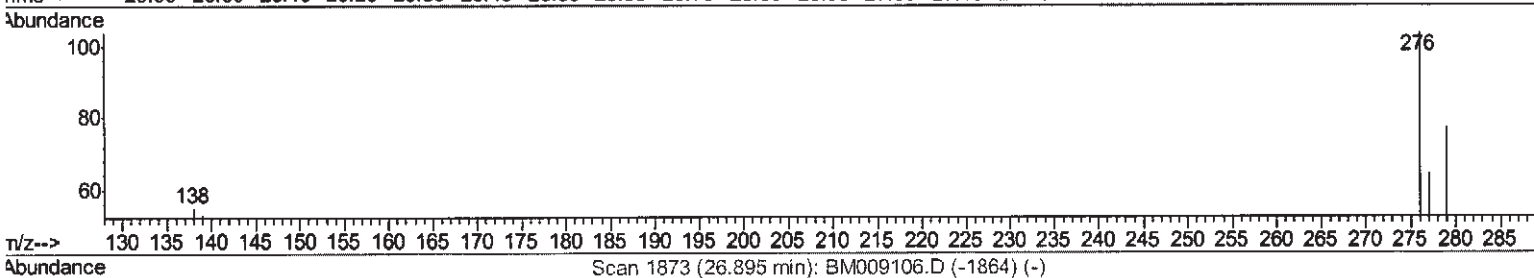
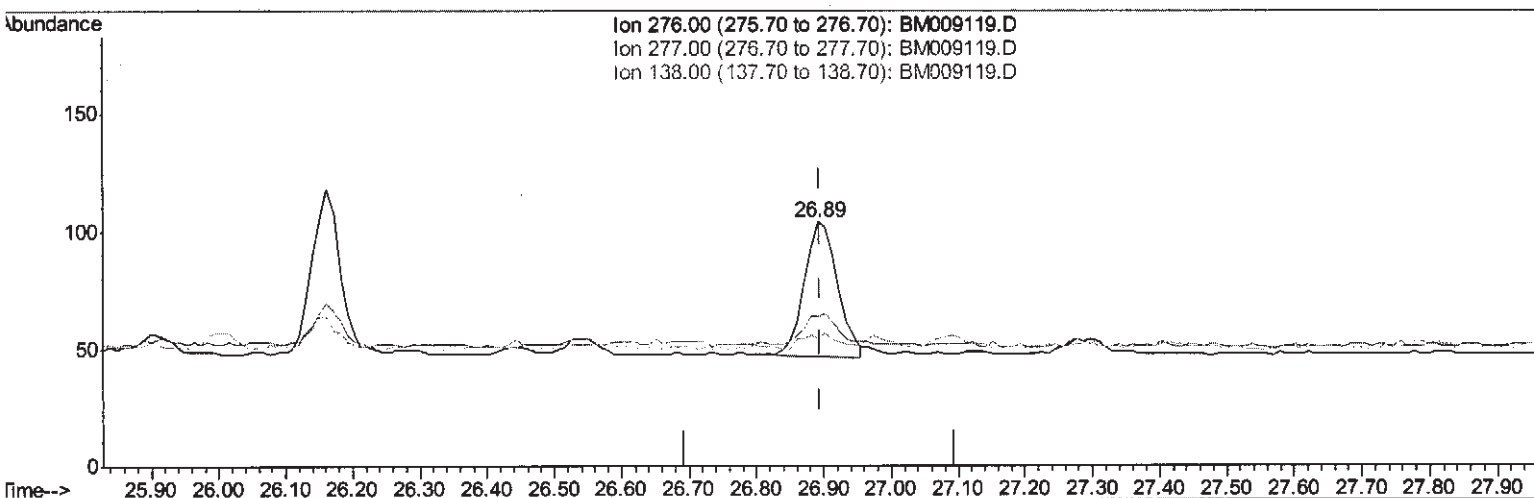
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009119.D
Acq On : 08 Mar 2017 21:05
Operator : SJ/MA
Sample : I2062-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:33:19 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) 0.05ng/ul m

response 202

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	61.54#
138.00	25.60	52.88#
0.00	0.00	0.00

SJ
03/16/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009119.D
 Acq On : 08 Mar 2017 21:05
 Operator : SJ/MA
 Sample : I2062-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:29 PM

Quant Time: Mar 09 02:36:25 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	282	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	928	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	556	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1252m	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	1196	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1006m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	523	0.34	ng/ul	-0.01
14) Fluoranthene-d10	19.30	212	1221	0.31	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Fluoranthene	19.33	202	344	0.07	ng/ul	68
17) Pyrene	19.69	202	504	0.12	ng/ul#	68
18) Benzo(a)anthracene	21.43	228	308	0.08	ng/ul#	65
19) Chrysene	21.48	228	528	0.14	ng/ul#	82
21) Benzo(b)fluoranthene	23.07	252	599m	0.15	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	294m	0.08	ng/ul	
23) Benzo(a)pyrene	23.67	252	404m	0.11	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.16	276	216m	0.05	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	202m	0.05	ng/ul	

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

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 03/16/17

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 03/16/17