

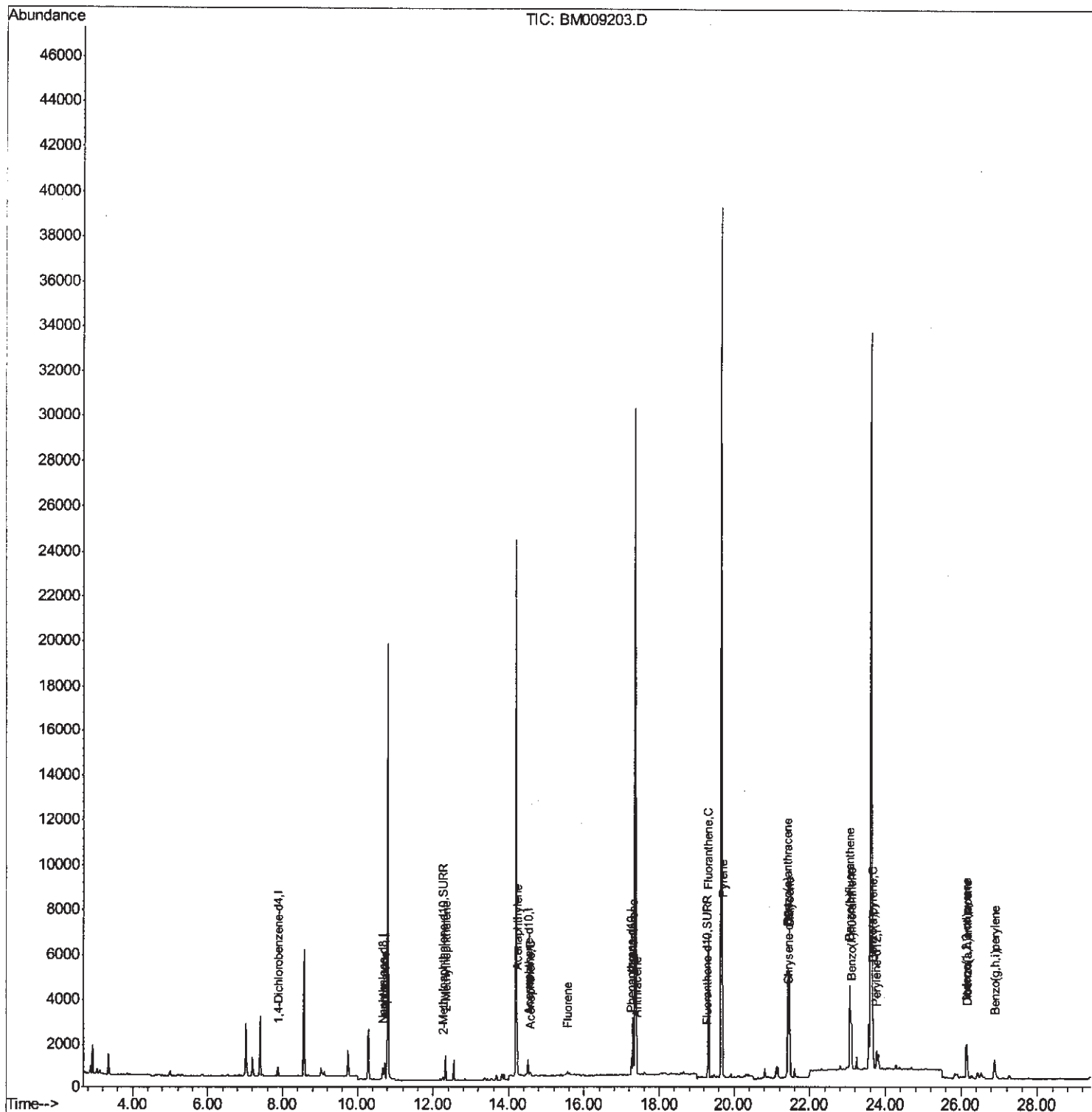
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:26:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



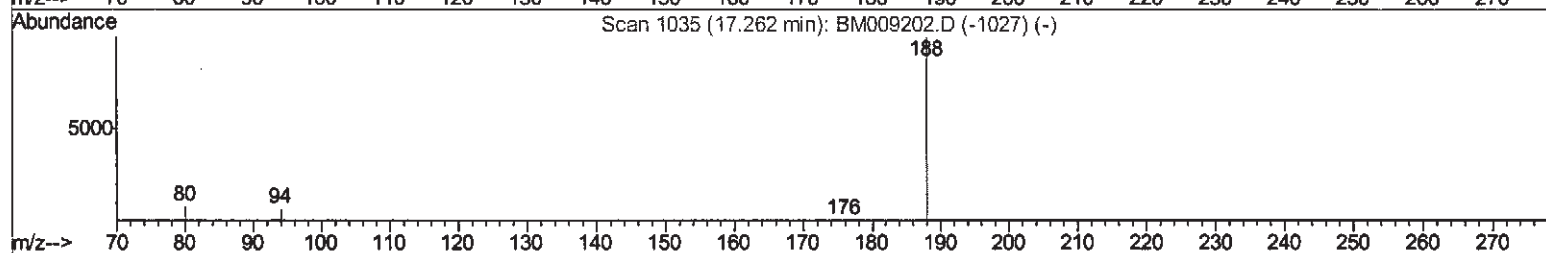
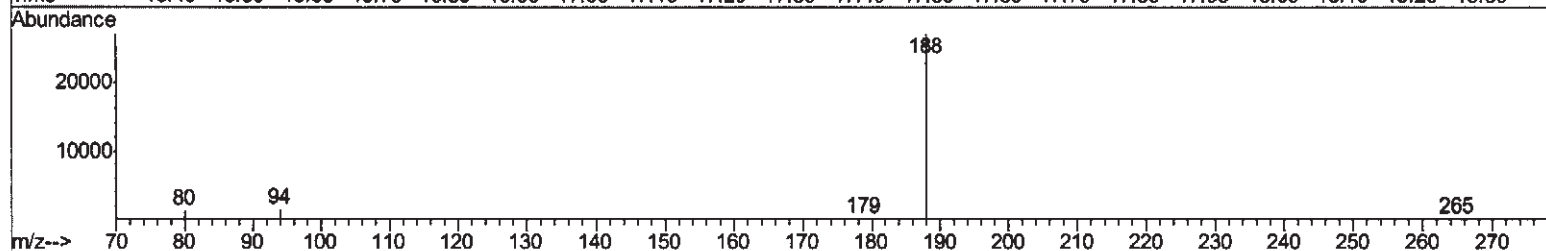
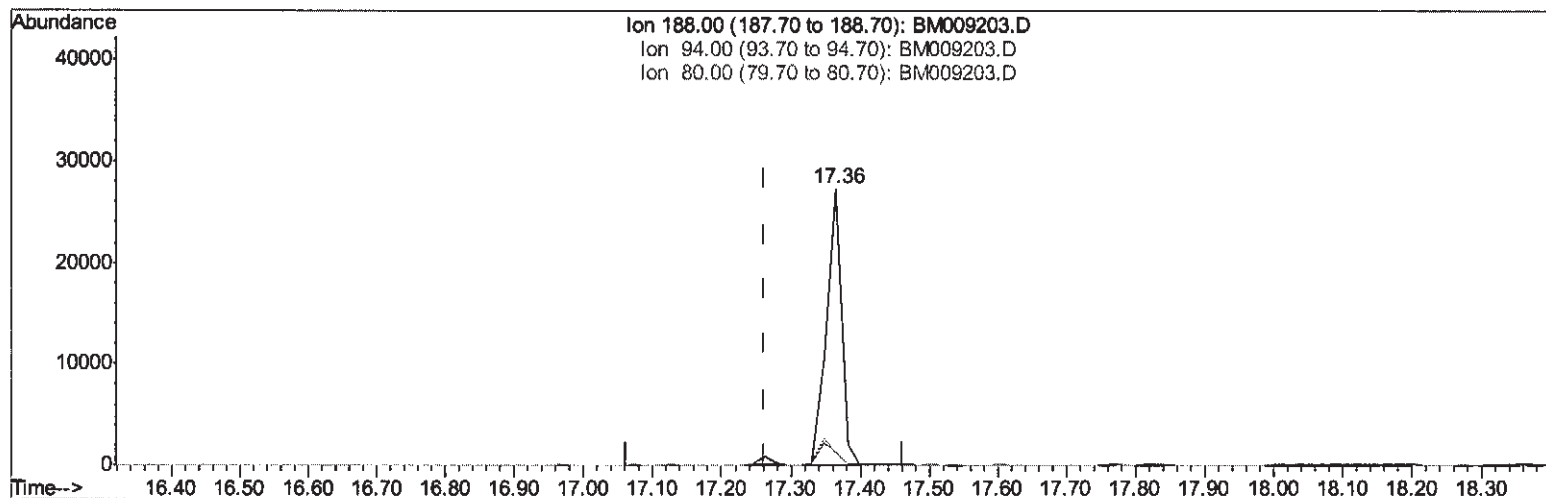
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
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Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:21:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
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TIC: BM009203.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 41305

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.08#
80.00	11.80	4.61#
0.00	0.00	0.00

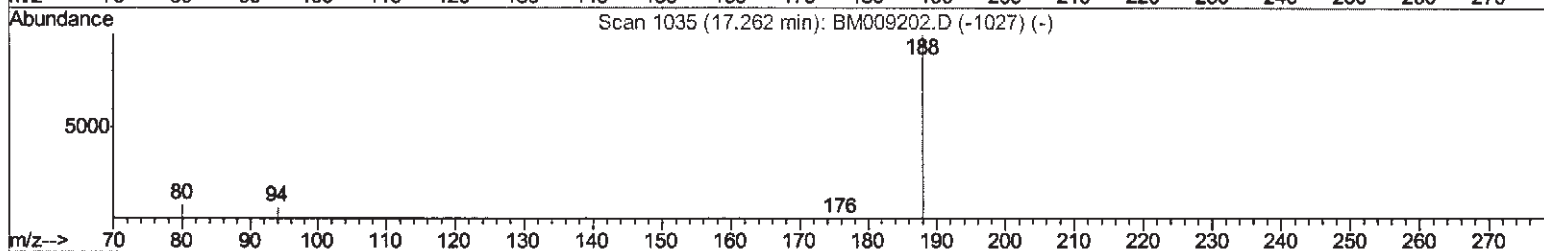
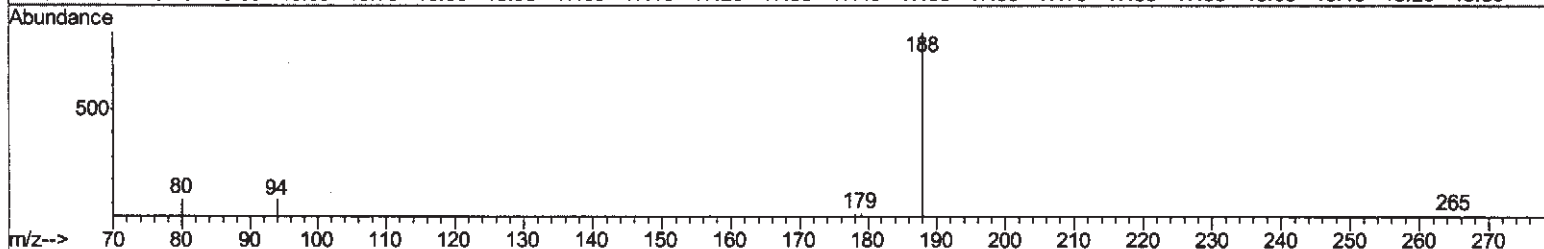
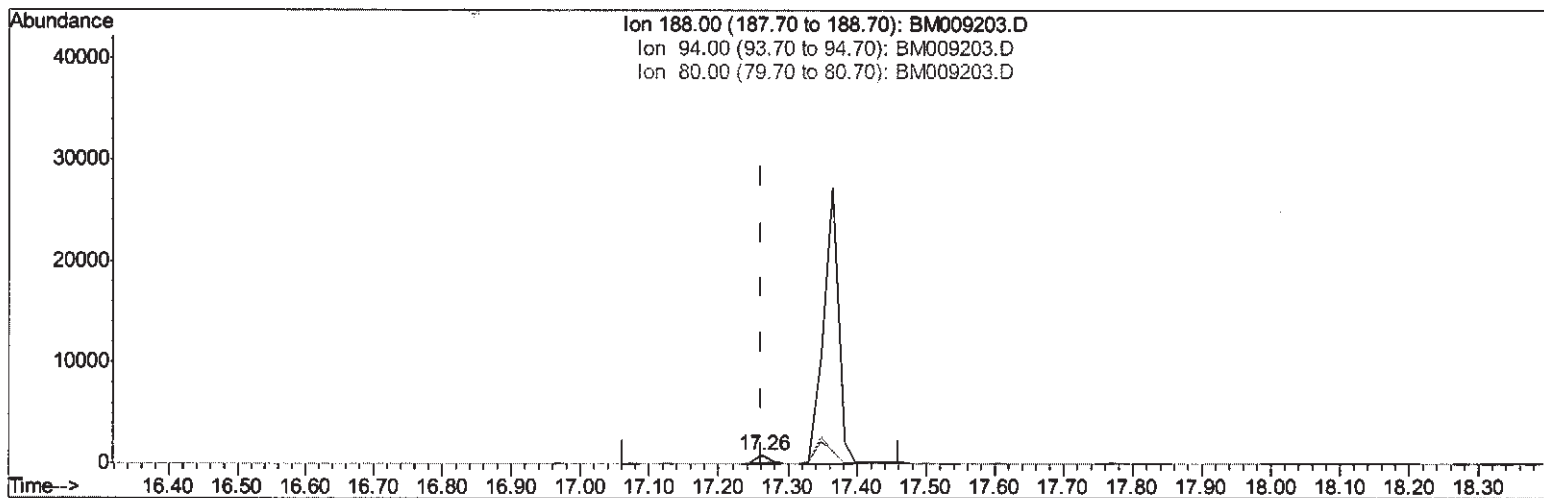
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

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3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:21:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009203.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m

SJ 3/16/17

response 1101

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.84#
80.00	11.80	14.20#
0.00	0.00	0.00

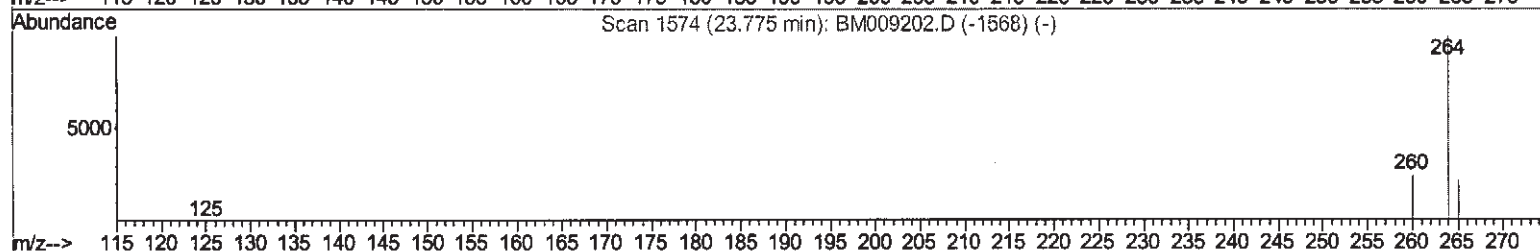
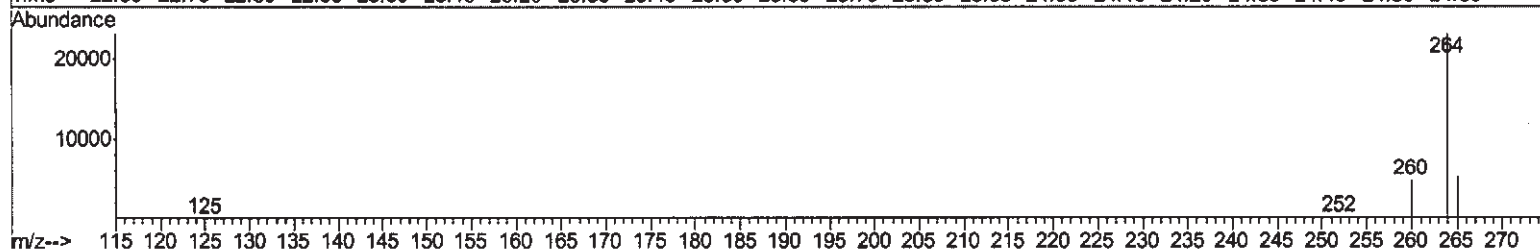
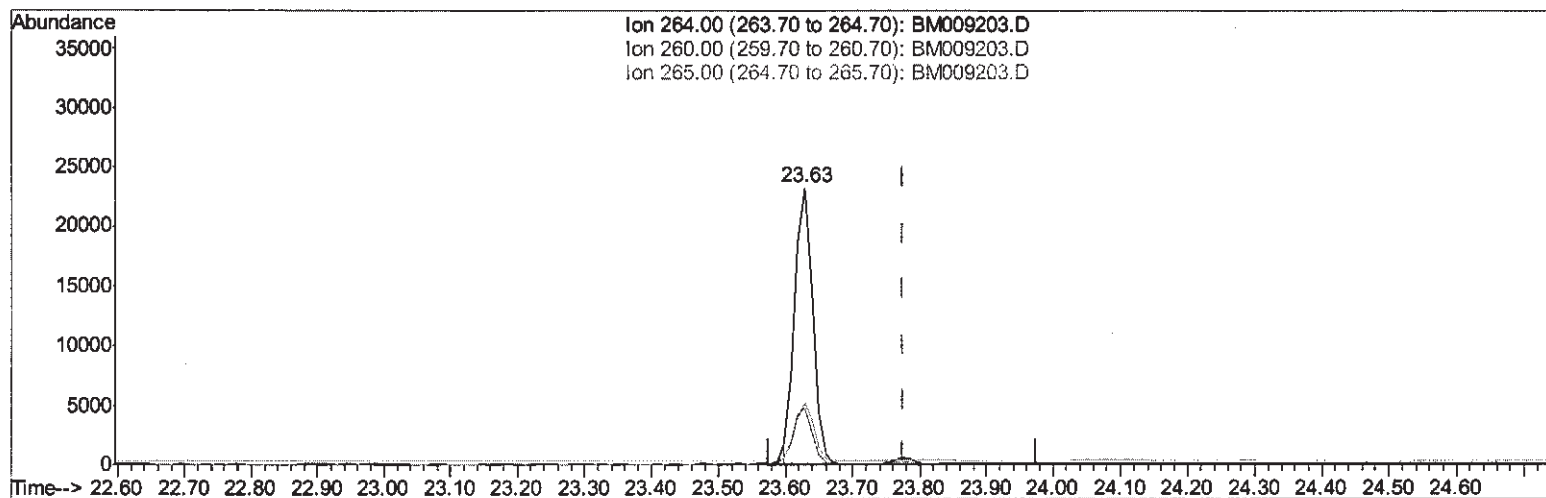
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:22:35 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



TIC: BM009203.D

(20) Perylene-d12 (I)

23.628min (-0.146) 0.40ng/ul

response 42937

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.59#
265.00	103.50	22.68#
0.00	0.00	0.00

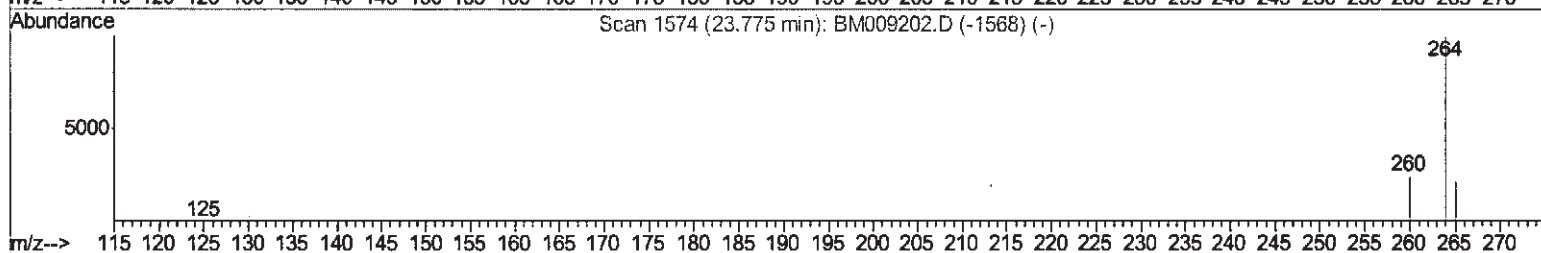
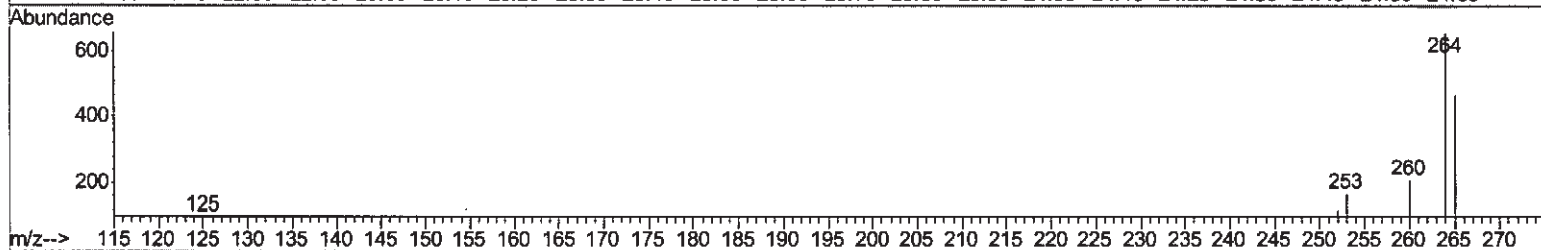
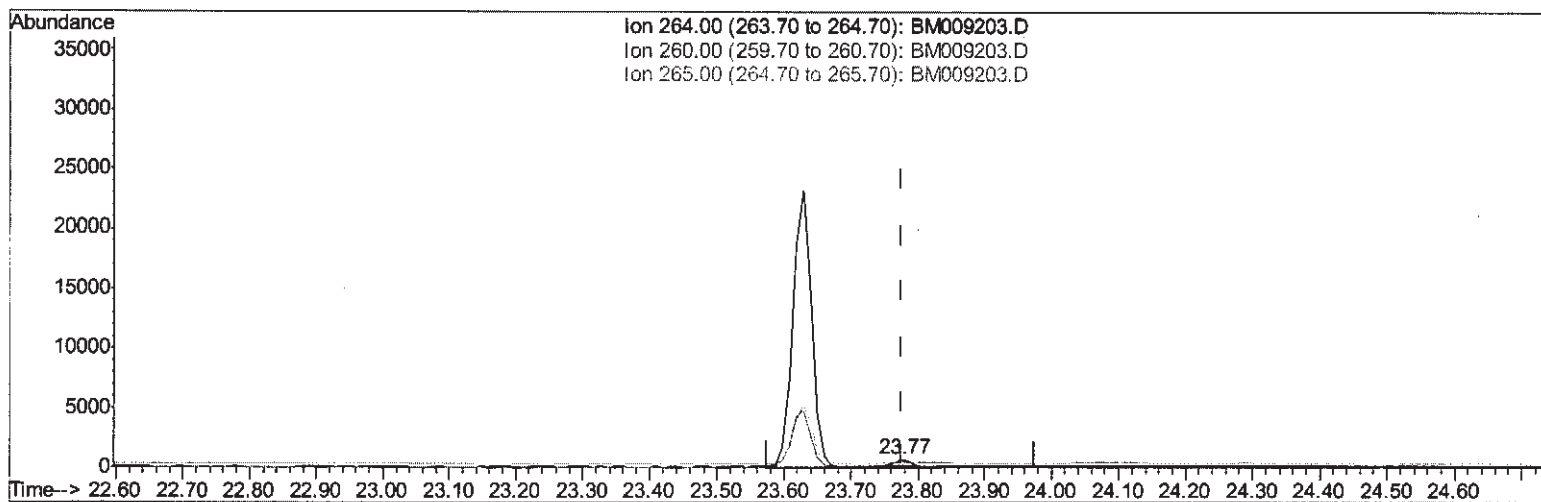
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Mar 13 11:22:35 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BM009203.D

(20) Perylene-d12 (I)

23.774min (-0.000) 0.40ng/ul m

SJ 3/16/17

response 1150

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.51
265.00	103.50	70.78#
0.00	0.00	0.00

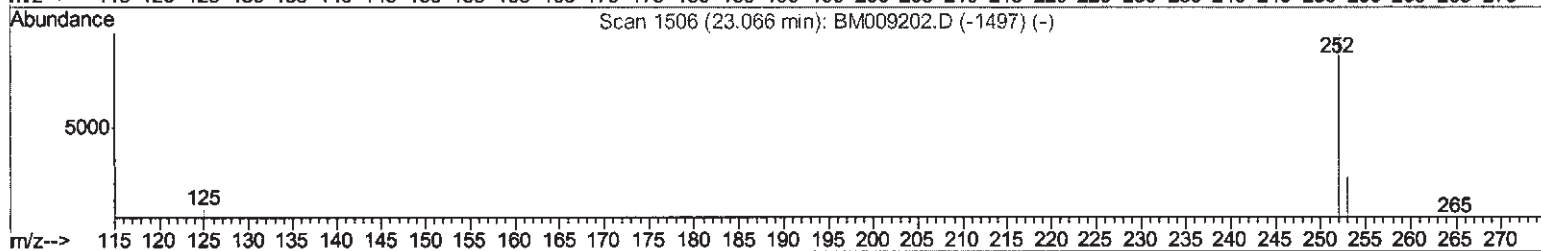
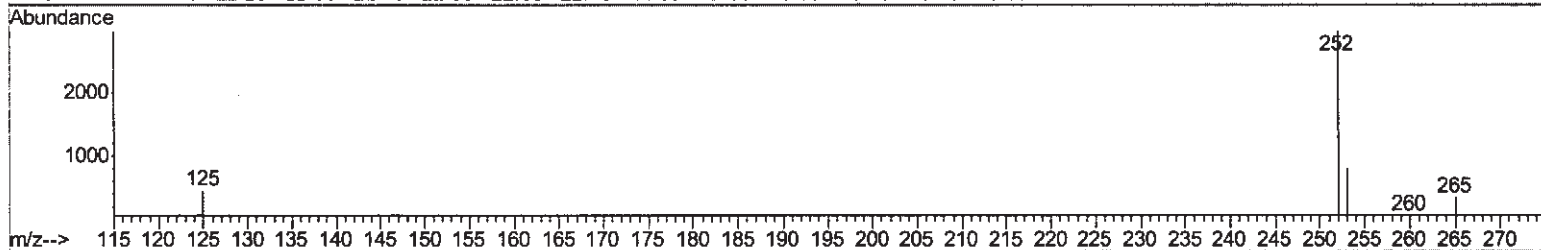
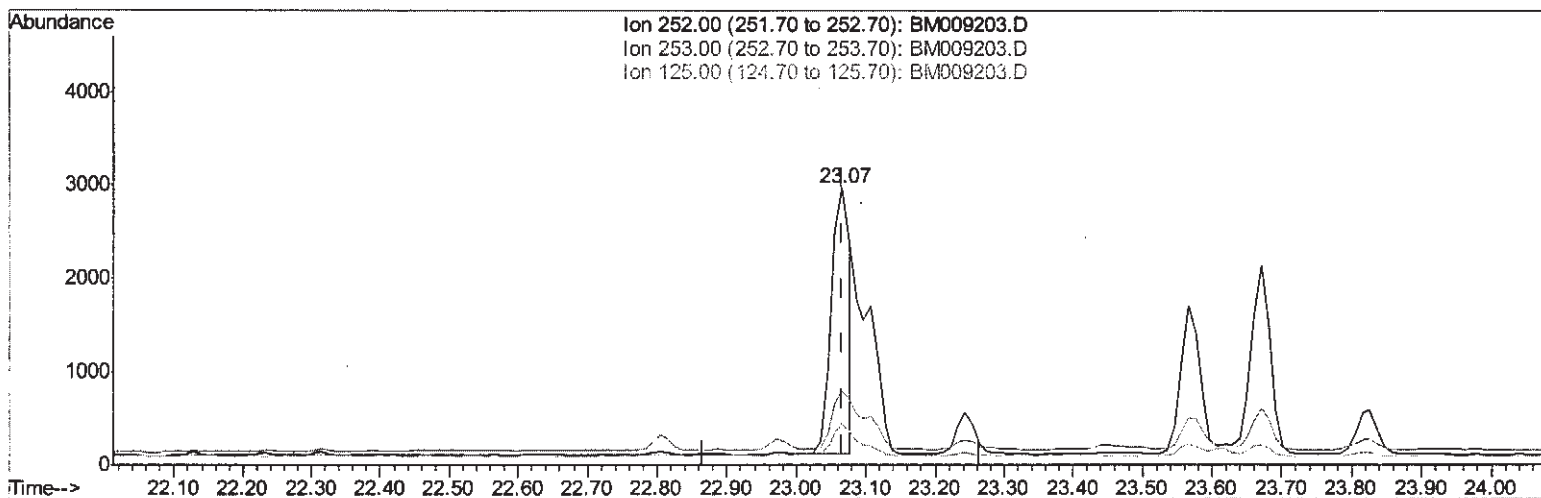
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

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Quant Time: Mar 13 11:23:13 2017
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TIC: BM009203.D

(21) Benzo(b)fluoranthene

23.066min (-0.000) 1.19ng/ul

response 5354

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.97
125.00	17.50	14.83
0.00	0.00	0.00

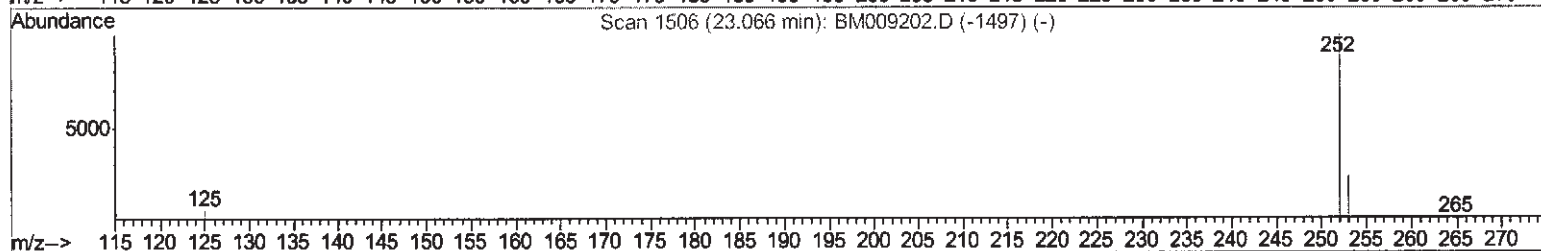
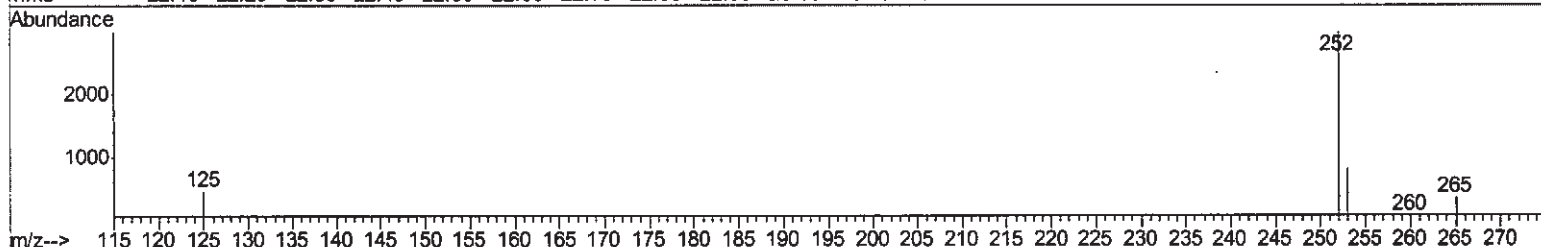
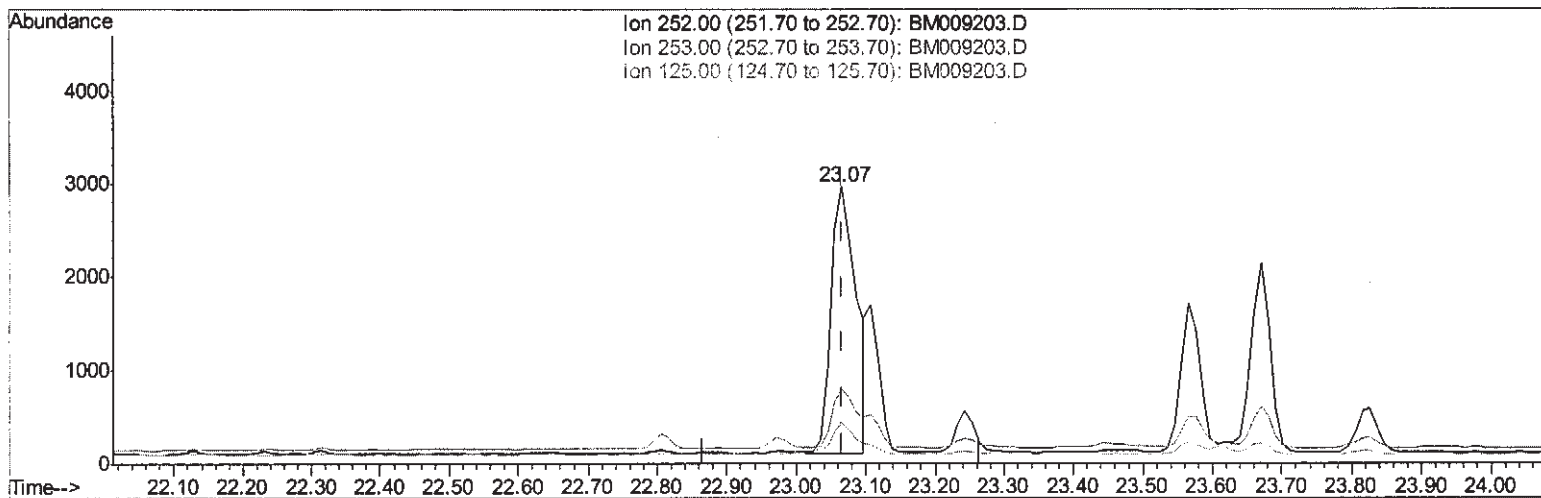
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
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Quant Time: Mar 13 11:23:13 2017
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TIC: BM009203.D

(21) Benzo(b)fluoranthene

23.066min (-0.000) 1.62ng/ul m

SJ 3/16/17

response 7327

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.97
125.00	17.50	14.83
0.00	0.00	0.00

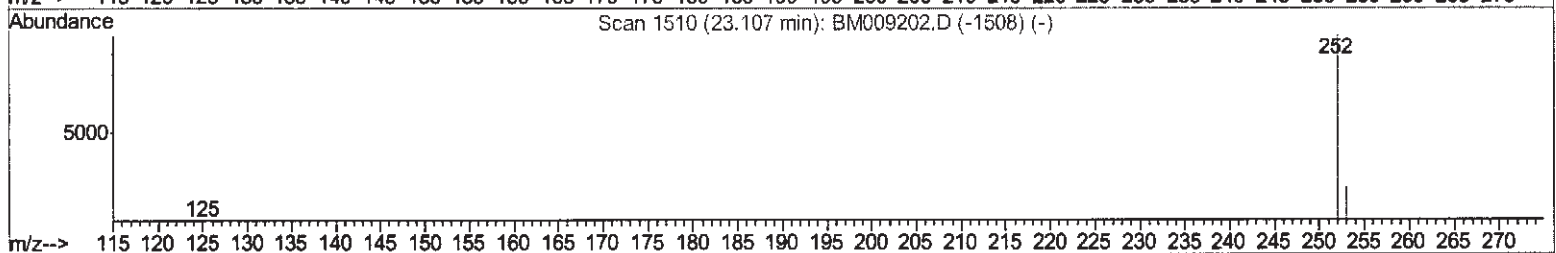
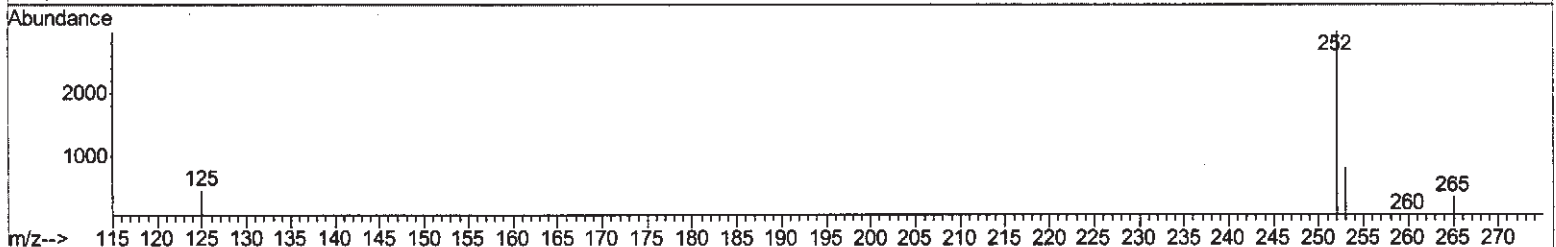
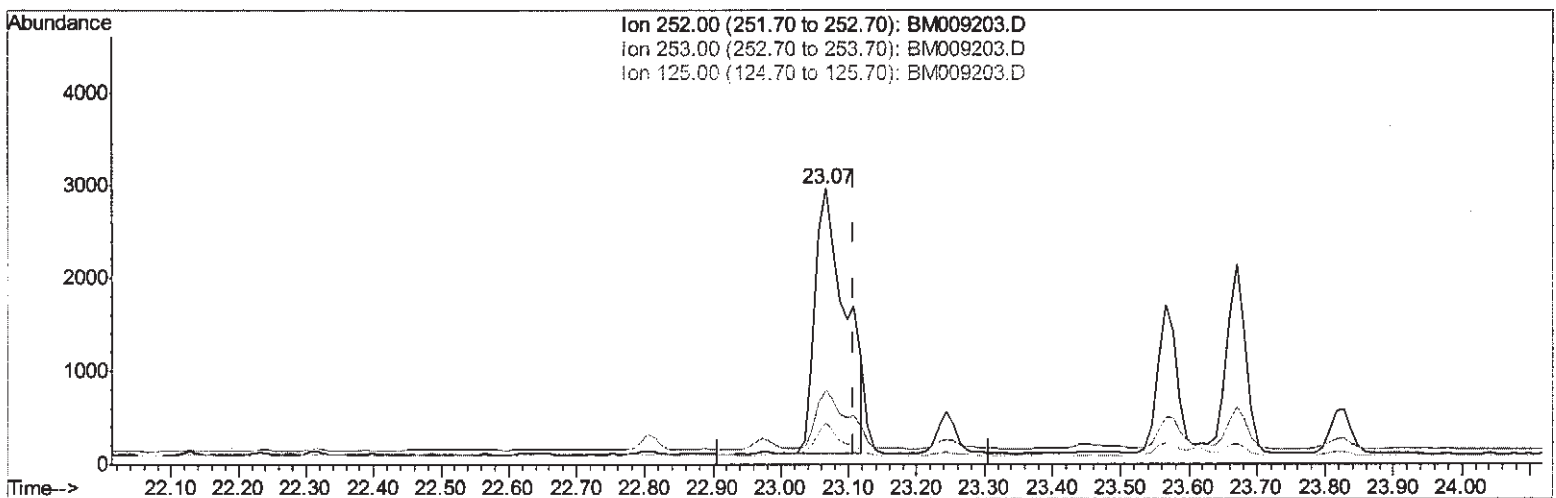
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
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3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009203.D

(22) Benzo(k)fluoranthene

23.066min (-0.042) 2.23ng/ul

response 8912

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.97
125.00	17.10	14.83
0.00	0.00	0.00

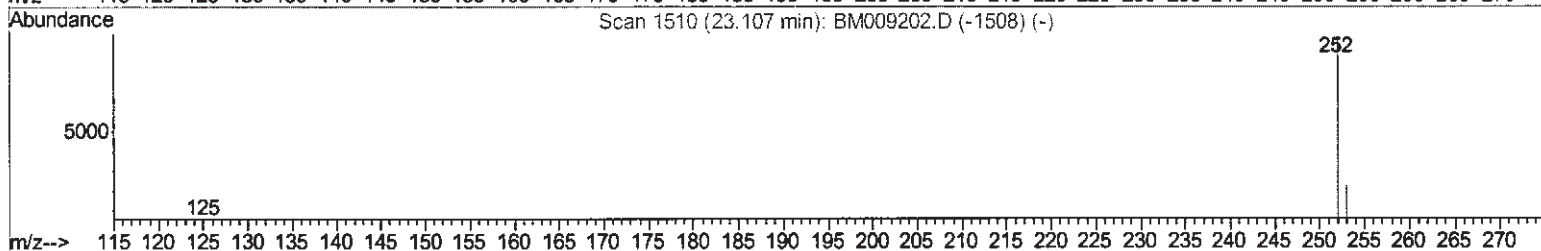
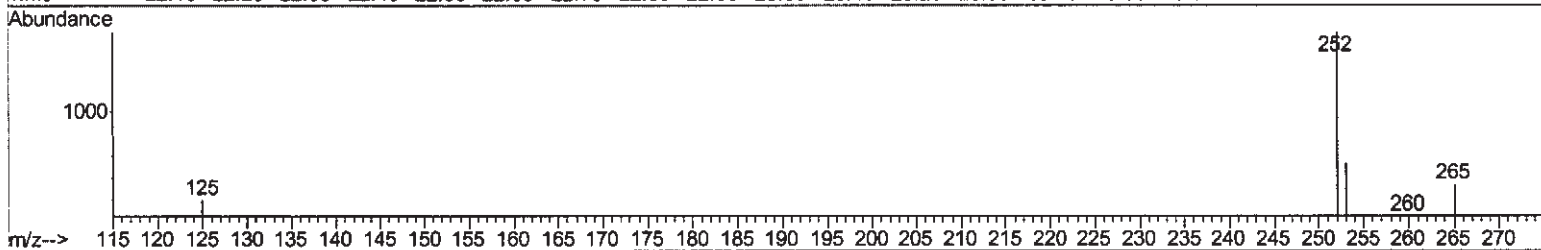
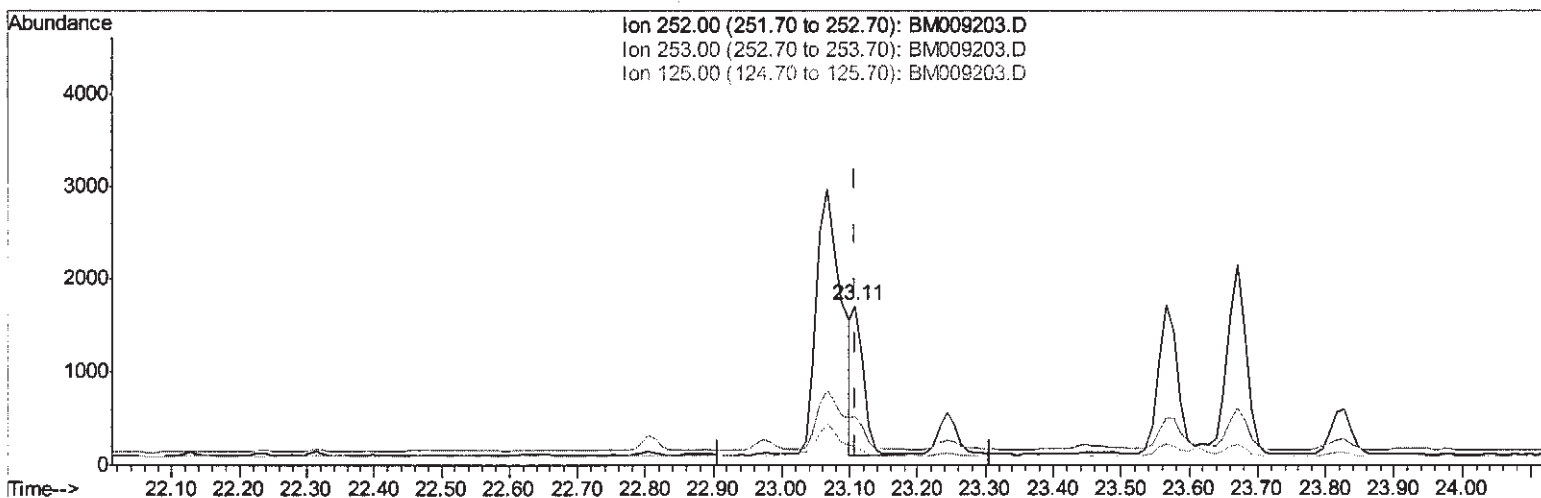
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009203.D

(22) Benzo(k)fluoranthene

23.107min (-0.000) 0.48ng/ul m SJ 3/16/17

response 1908

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.26
125.00	17.10	11.65#
0.00	0.00	0.00

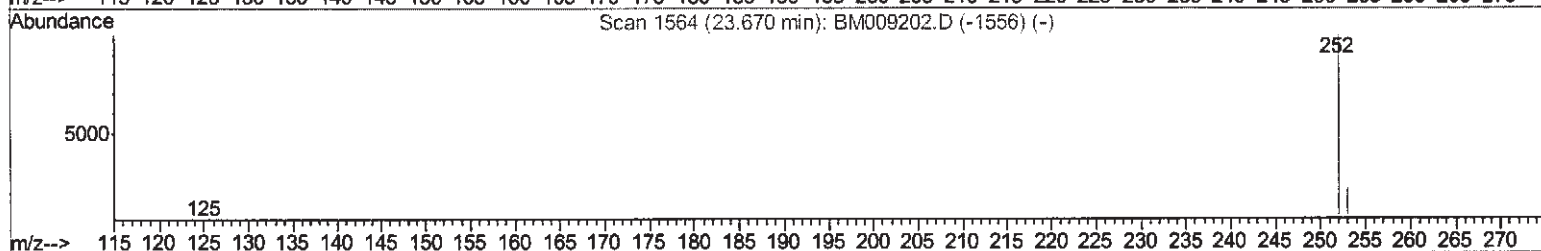
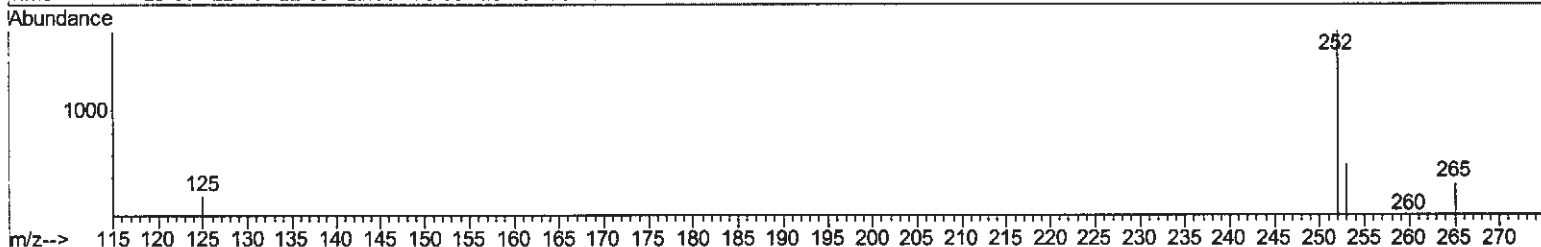
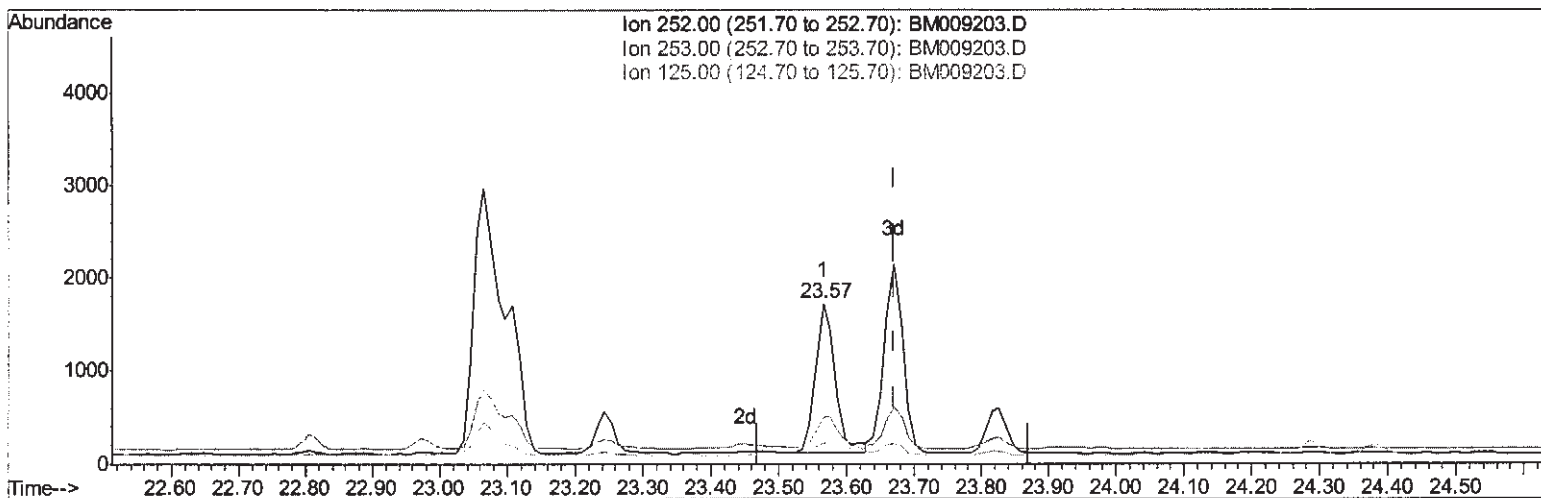
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009203.D

(23) Benzo(a)pyrene (C)

23.566min (-0.104) 0.80ng/ul

response 3265

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.51
125.00	22.60	13.39#
0.00	0.00	0.00

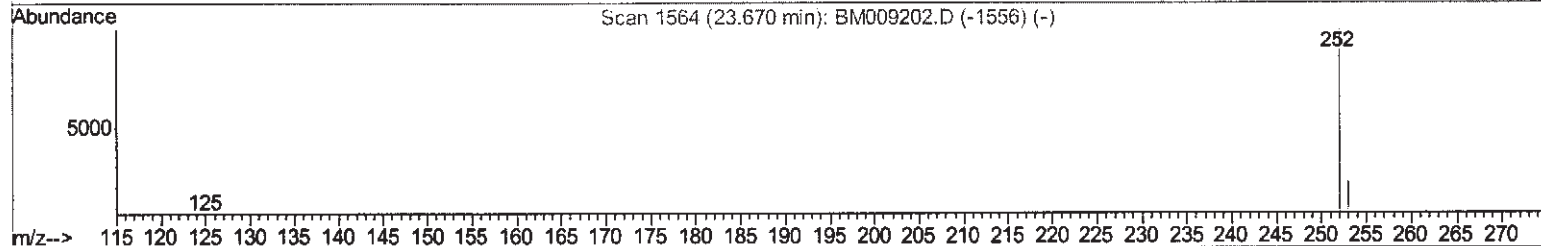
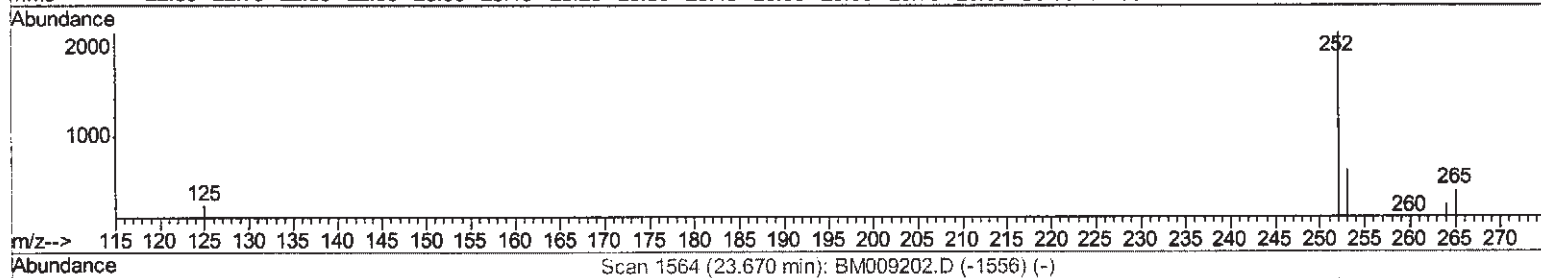
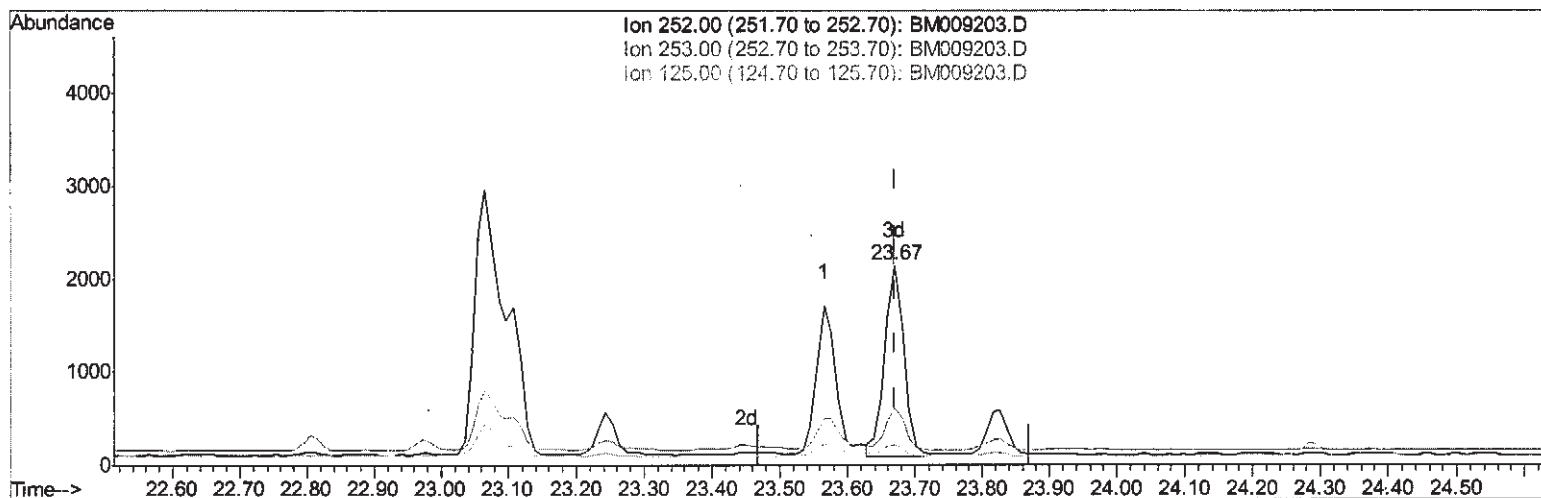
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
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Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009203.D

(23) Benzo(a)pyrene (C)

23.670min (-0.000) 0.99ng/ul m SJ 3/16/17

response 4013

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.15#
125.00	22.60	10.34#
0.00	0.00	0.00

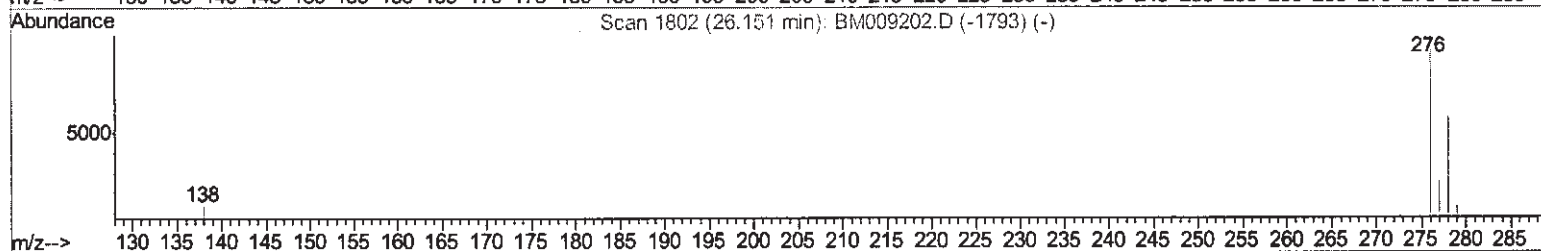
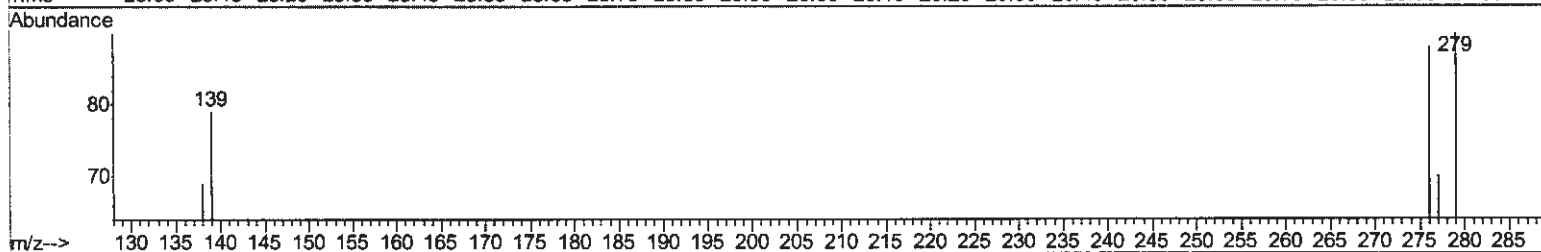
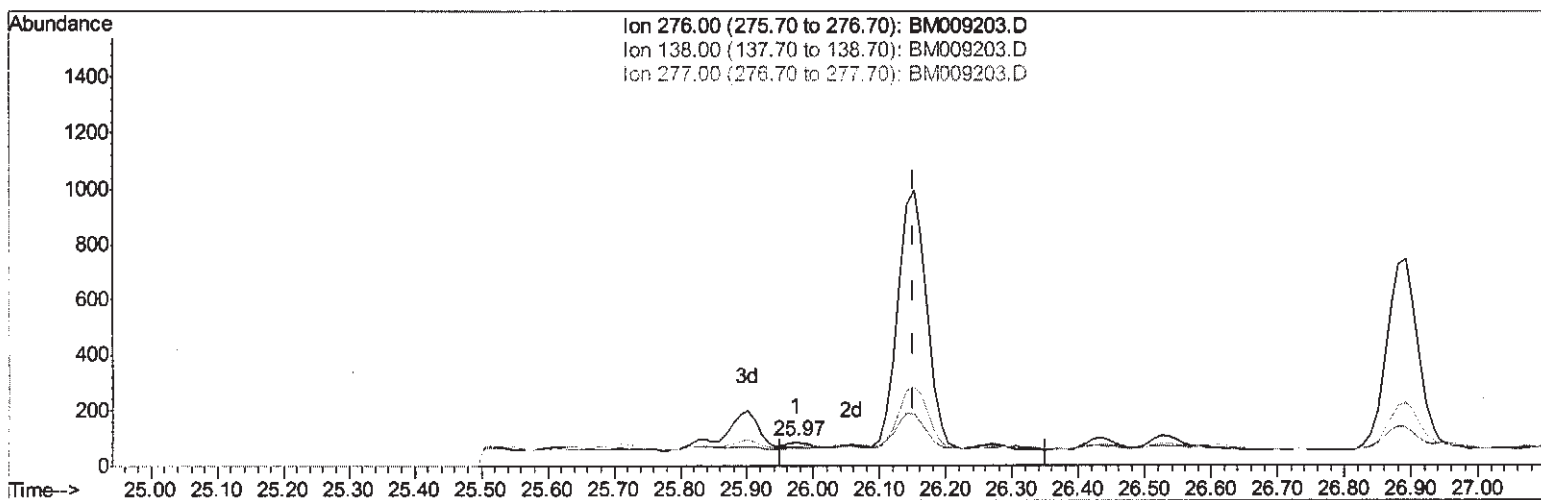
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
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TIC: BM009203.D

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

25.974min (-0.177) 0.01ng/ul

response 56

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	64.29#
277.00	24.50	46.43#
0.00	0.00	0.00

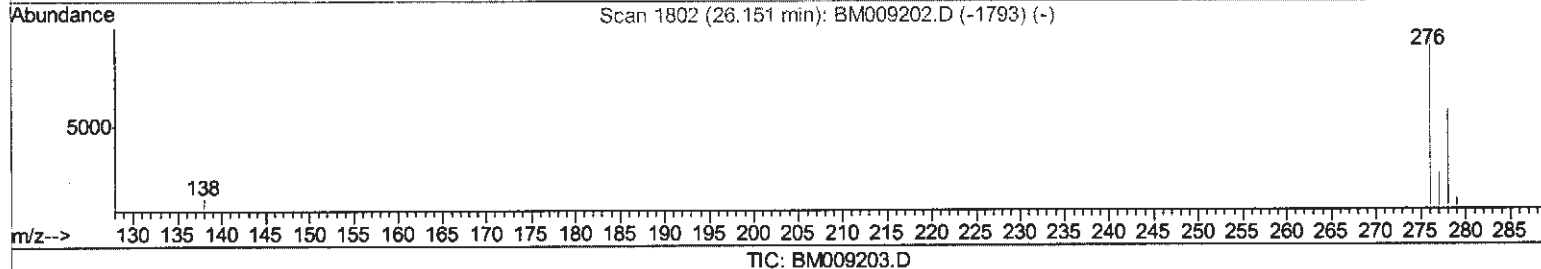
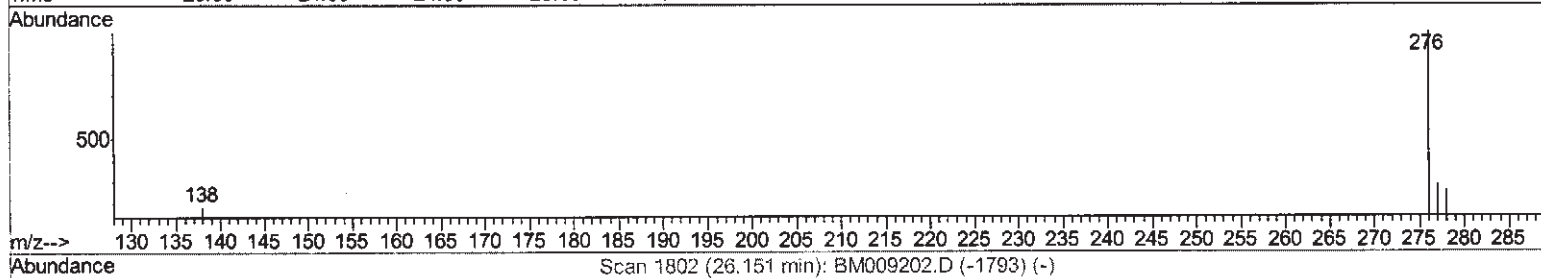
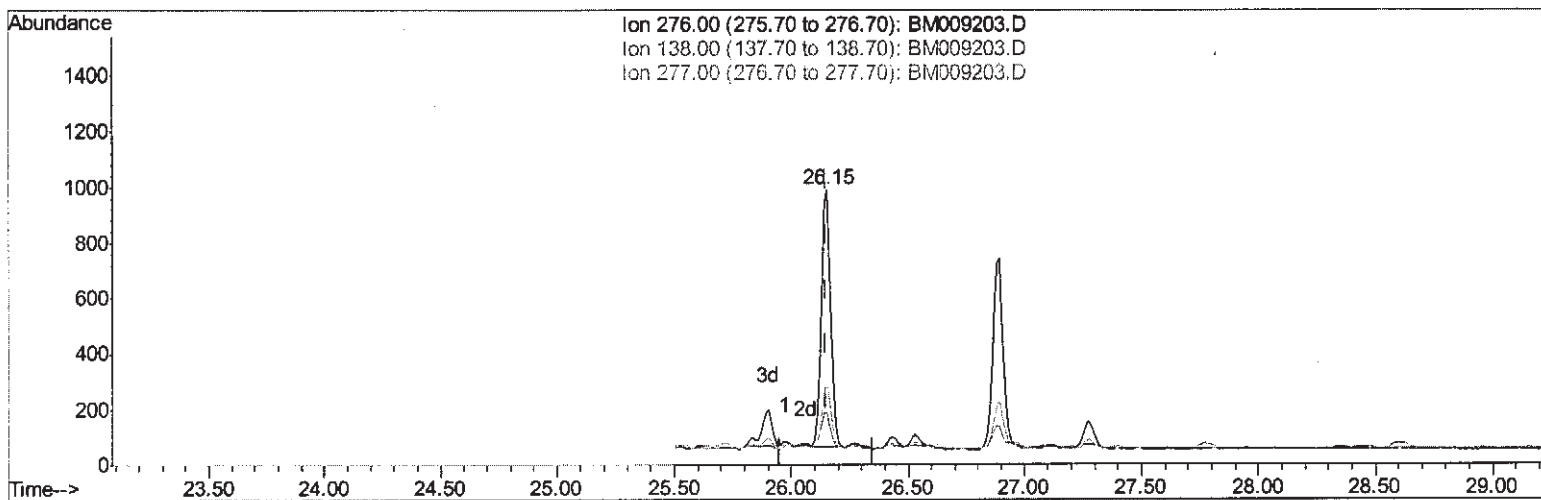
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



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

26.151min (-0.000) 0.54ng/ul m

SJ 3/16/17

response 2770

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	1.30#
277.00	24.50	0.94#
0.00	0.00	0.00

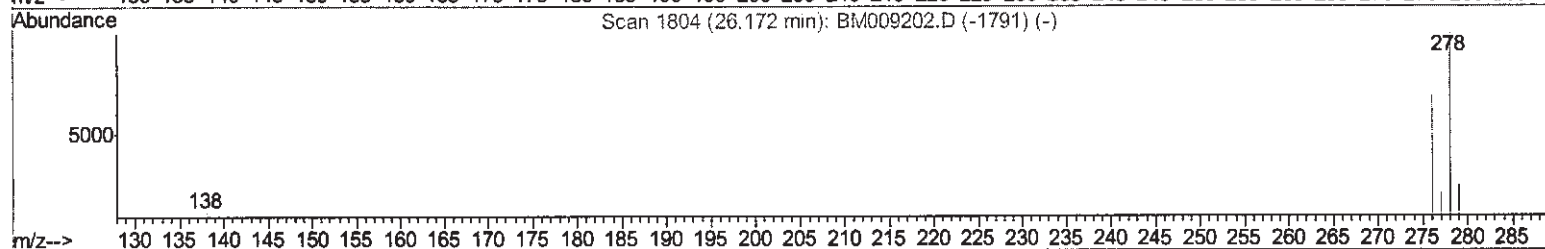
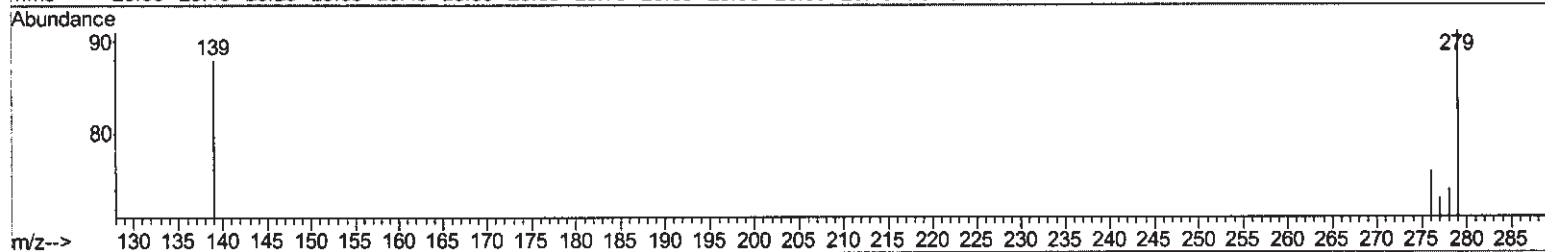
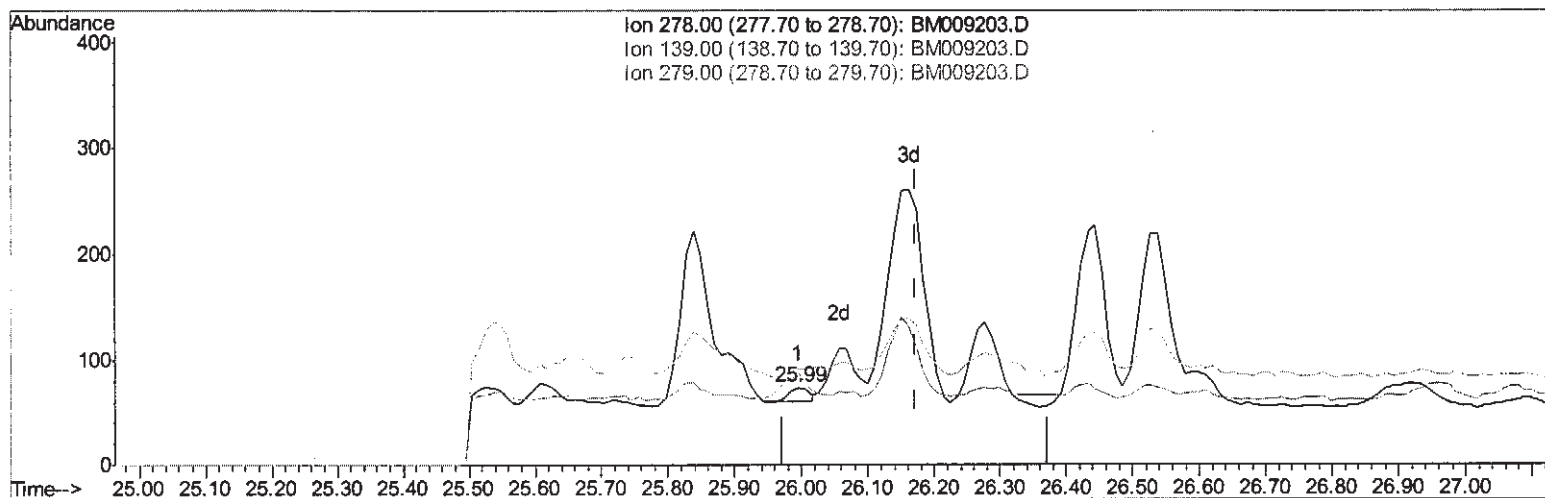
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Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
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Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

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TIC: BM009203.D

(25) Dibenzo(a,h)anthracene

25.995min (-0.177) 0.01ng/ul

response 26

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	118.92#
279.00	32.40	122.97#
0.00	0.00	0.00

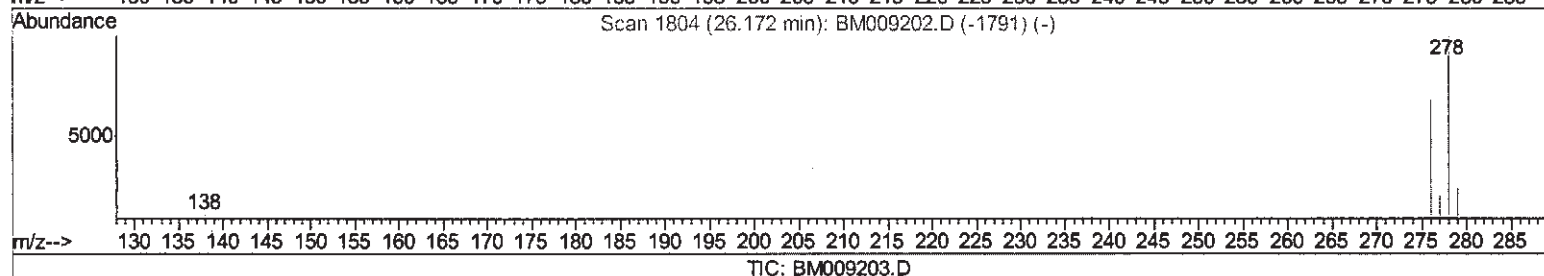
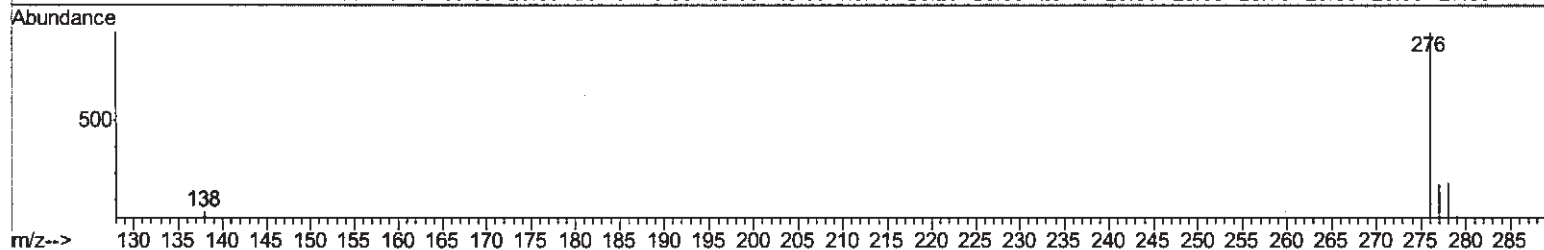
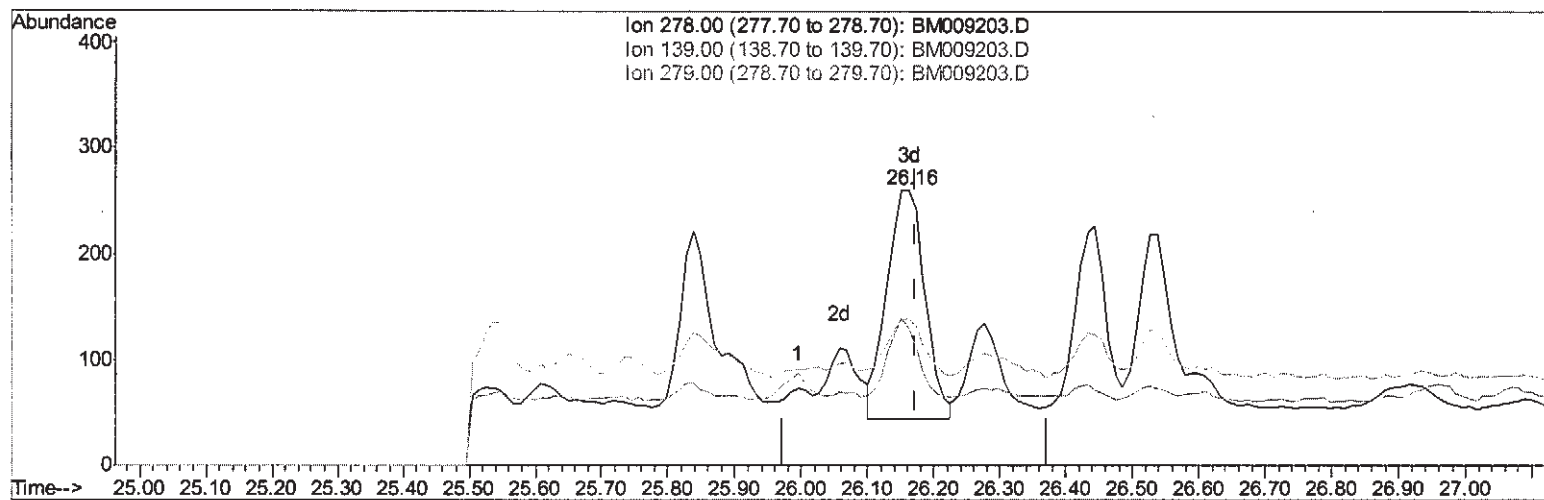
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
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mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.162min (-0.010) 0.20ng/ul m

SJ 3/16/17

response 859

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	50.19#
279.00	32.40	53.64#
0.00	0.00	0.00

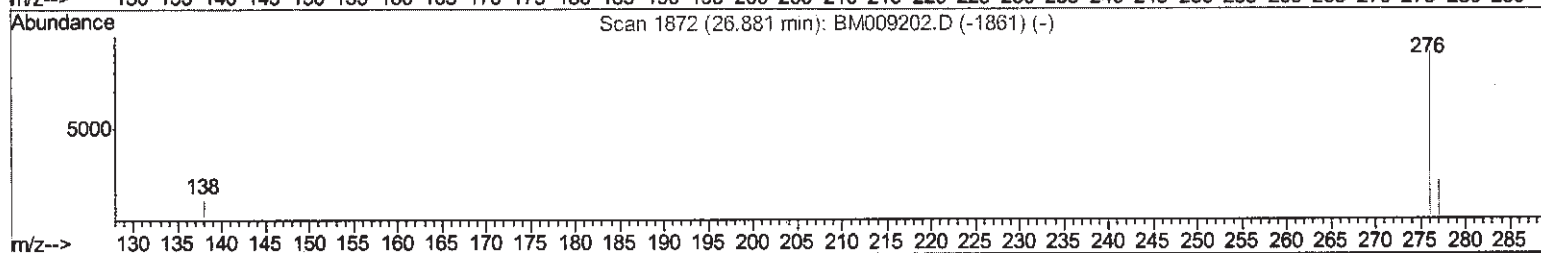
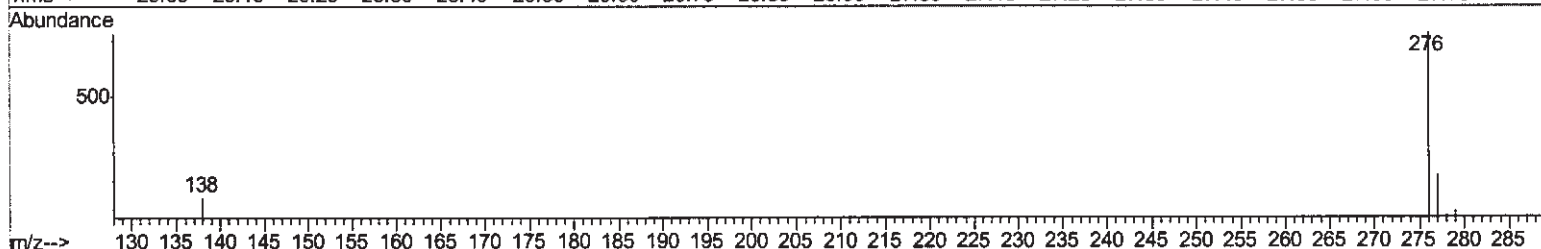
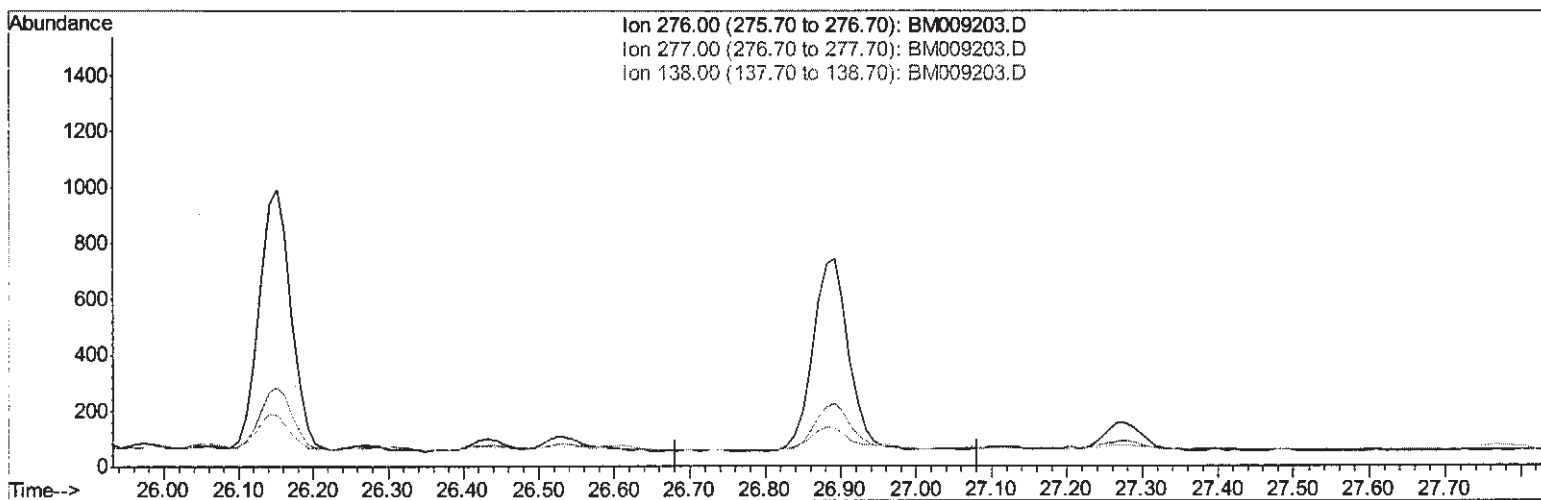
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



TIC: BM009203.D

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

26.881min (-26.881) 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

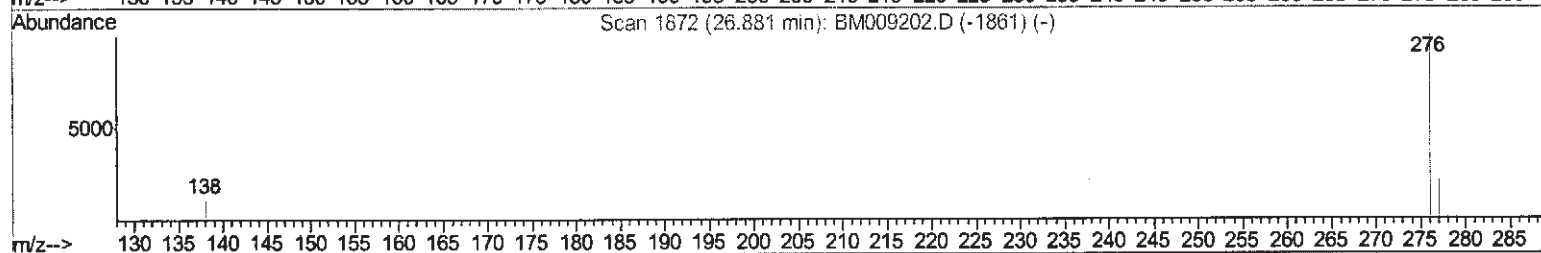
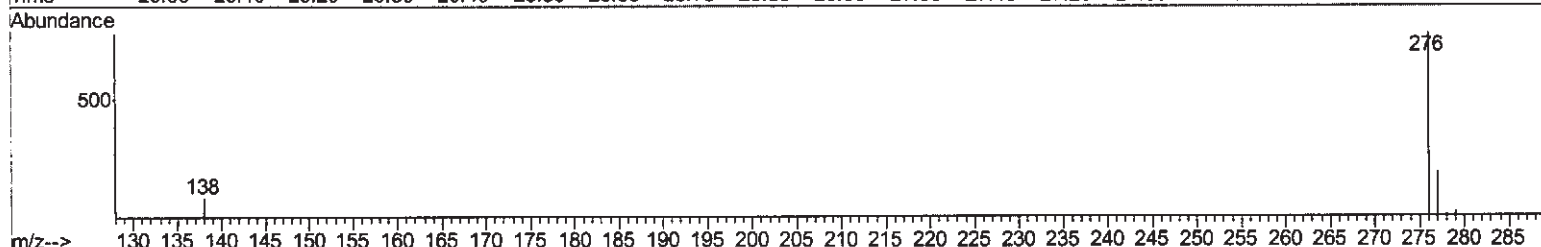
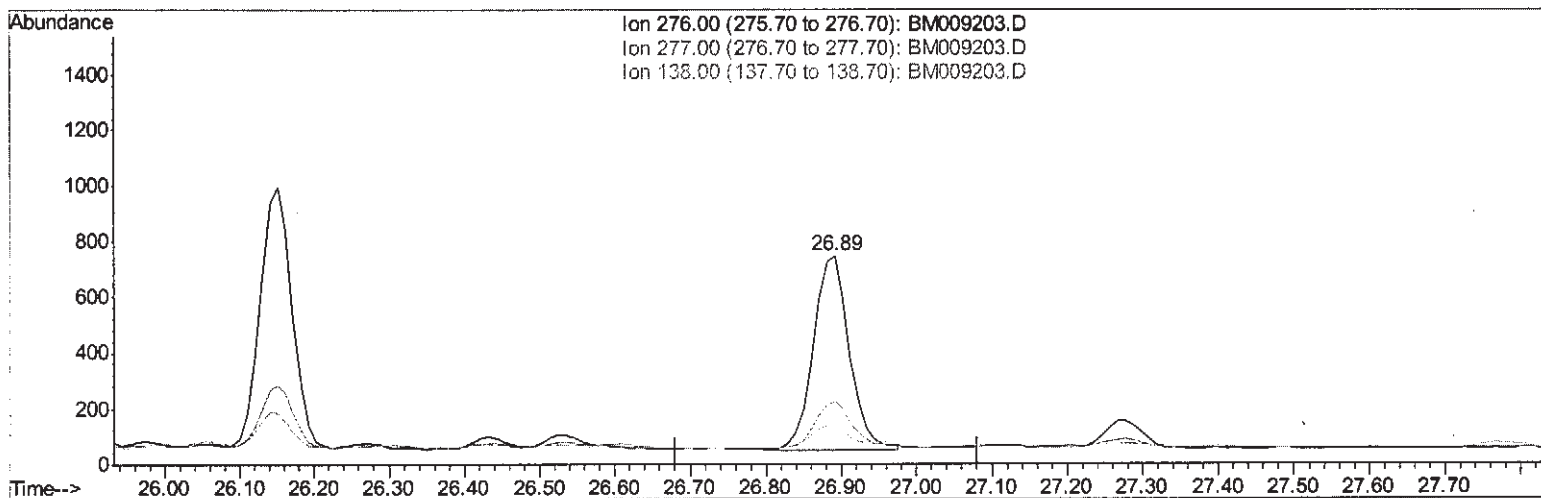
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009203.D
Acq On : 11 Mar 2017 12:20
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:23:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



TIC: BM009203.D

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

26.891min (+0.010) 0.52ng/ul m SJ 3/16/17

response 2299

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	30.48
138.00	25.60	18.05#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
 Data File : BM009203.D
 Acq On : 11 Mar 2017 12:20
 Operator : SJ/MA
 Sample : I2107-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 5:13:17 PM

Quant Time: Mar 13 11:26:13 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 11:21:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	234	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	772	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	488	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1101m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1298	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1150m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	192	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	550	0.16	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	1147	0.52	ng/ul#	93
5) 2-Methylnaphthalene	12.34	142	848	0.53	ng/ul	98
7) Acenaphthylene	14.23	152	307	0.12	ng/ul#	59
8) Acenaphthene	14.57	153	131	0.07	ng/ul#	88
9) Fluorene	15.56	166	153	0.07	ng/ul#	74
12) Phenanthrene	17.30	178	3143	0.91	ng/ul	99
13) Anthracene	17.40	178	766	0.22	ng/ul#	87
15) Fluoranthene	19.31	202	7301	1.62	ng/ul	96
17) Pyrene	19.69	202	7099	1.59	ng/ul	95
18) Benzo(a)anthracene	21.42	228	4386	1.02	ng/ul	98
19) Chrysene	21.47	228	4814	1.18	ng/ul	95
21) Benzo(b)fluoranthene	23.07	252	7327m	1.62	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	1908m	0.48	ng/ul	
23) Benzo(a)pyrene	23.67	252	4013m	0.99	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	2770m	0.54	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	859m	0.20	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	2299m	0.52	ng/ul	

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