

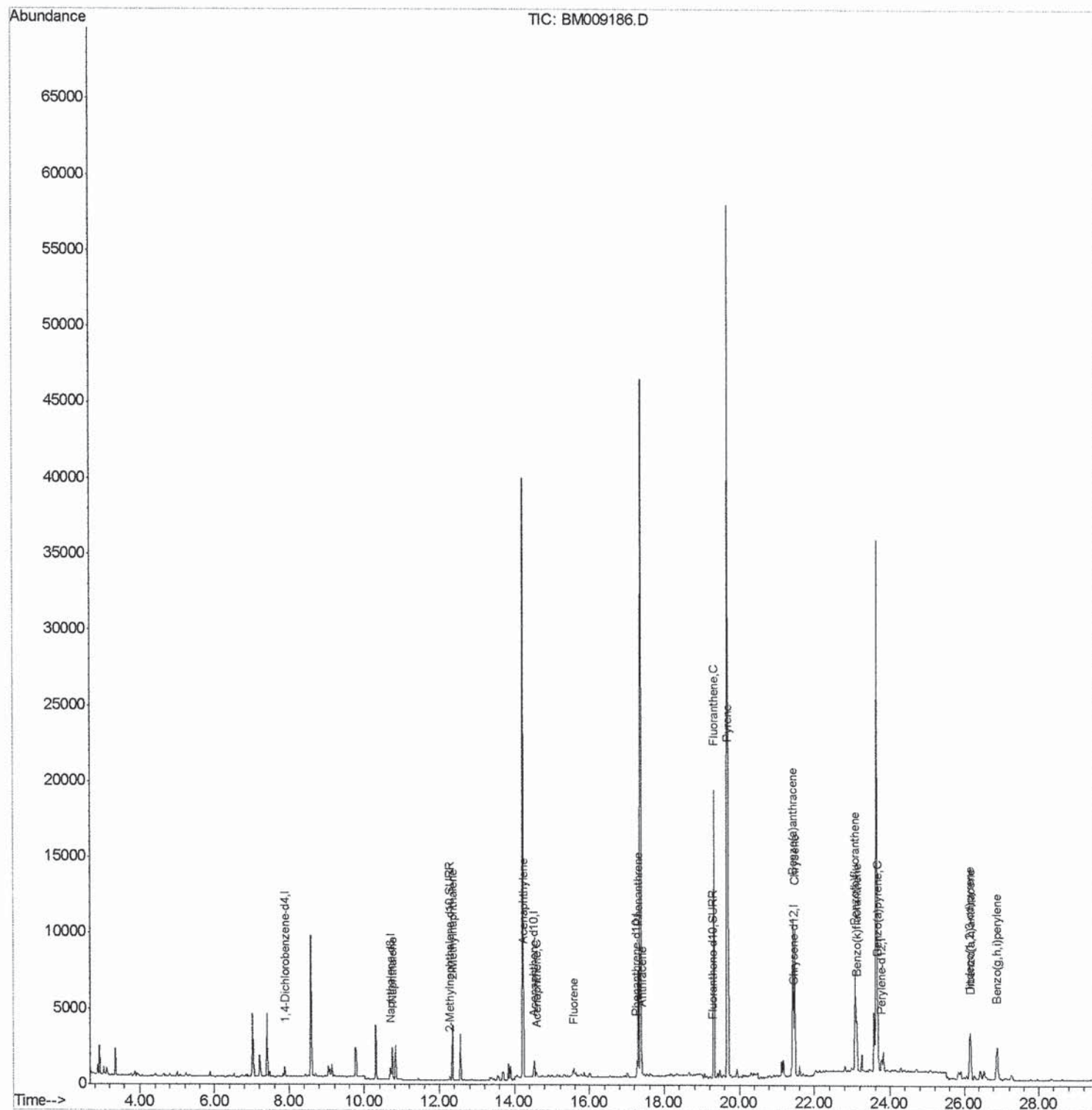
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:32:47 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 11 00:54:34 2017
Response via : Initial Calibration



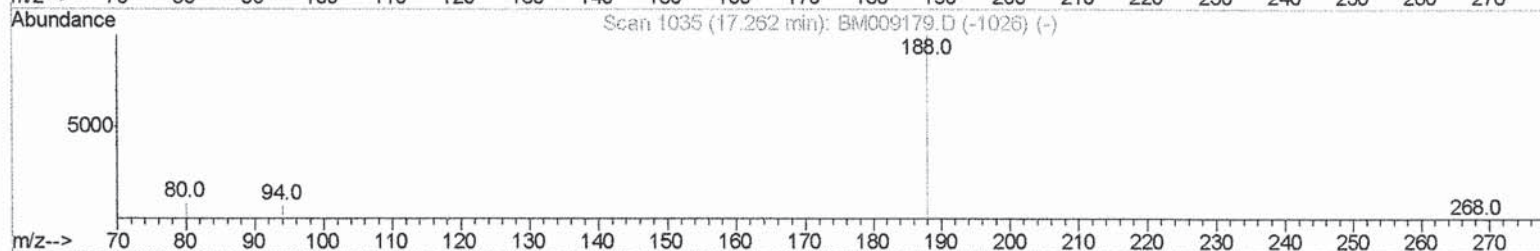
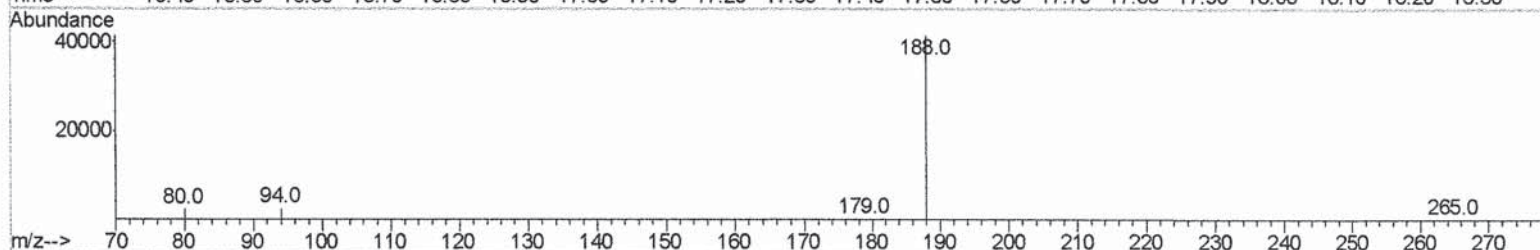
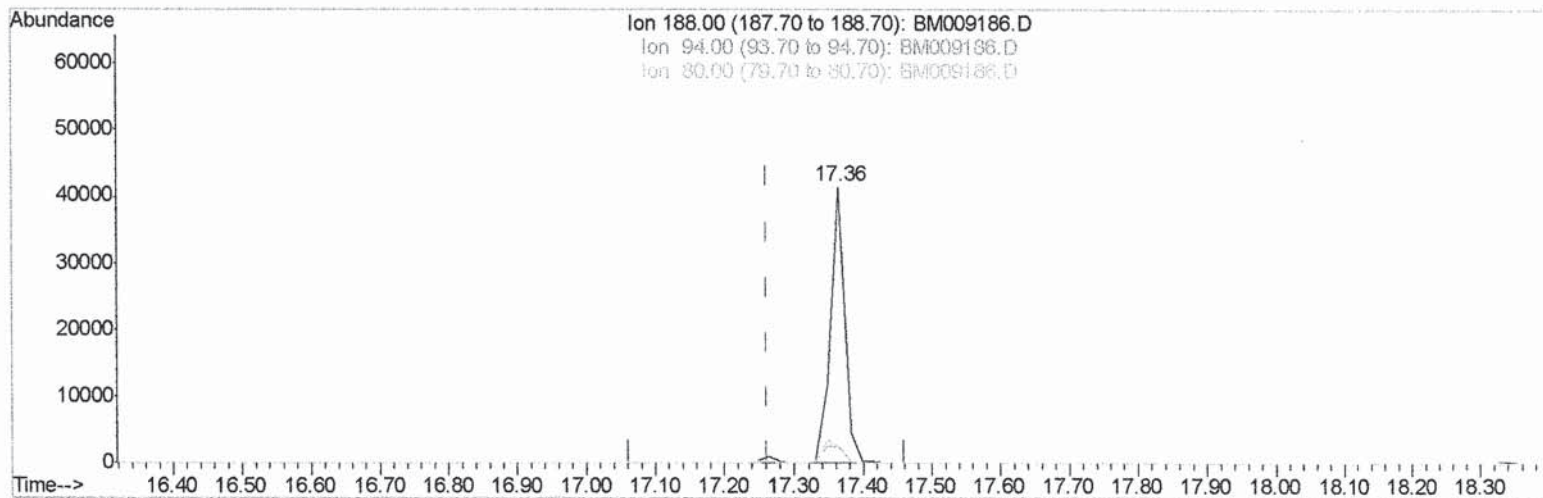
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
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BNA_M
ClientSampleId :
C0AK0

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:03 PM

Quant Time: Mar 11 00:55:26 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 11 00:54:34 2017
Response via : Initial Calibration



TIC: BM009186.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 59287

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.71#
80.00	11.80	5.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

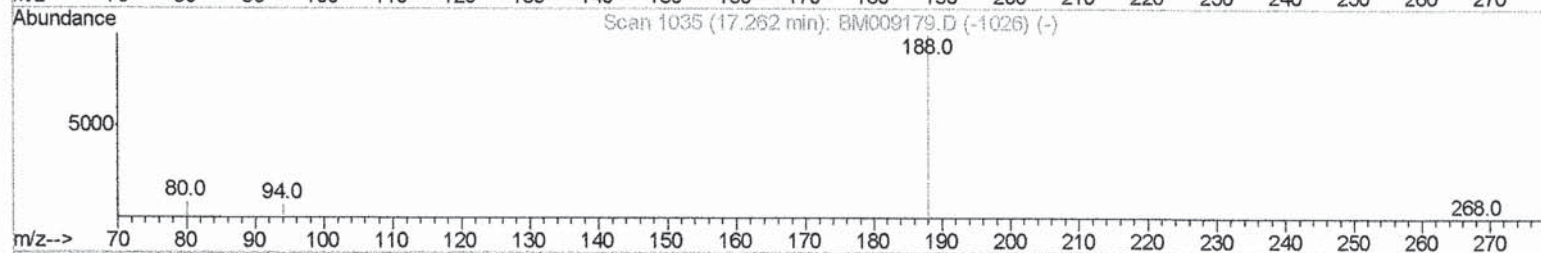
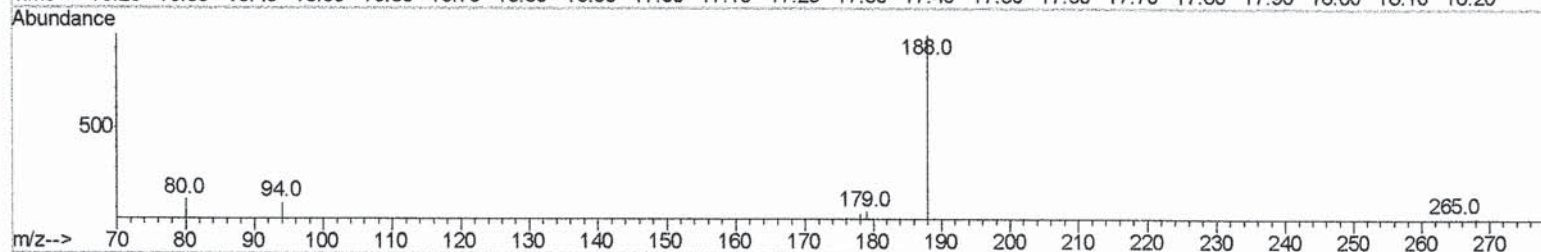
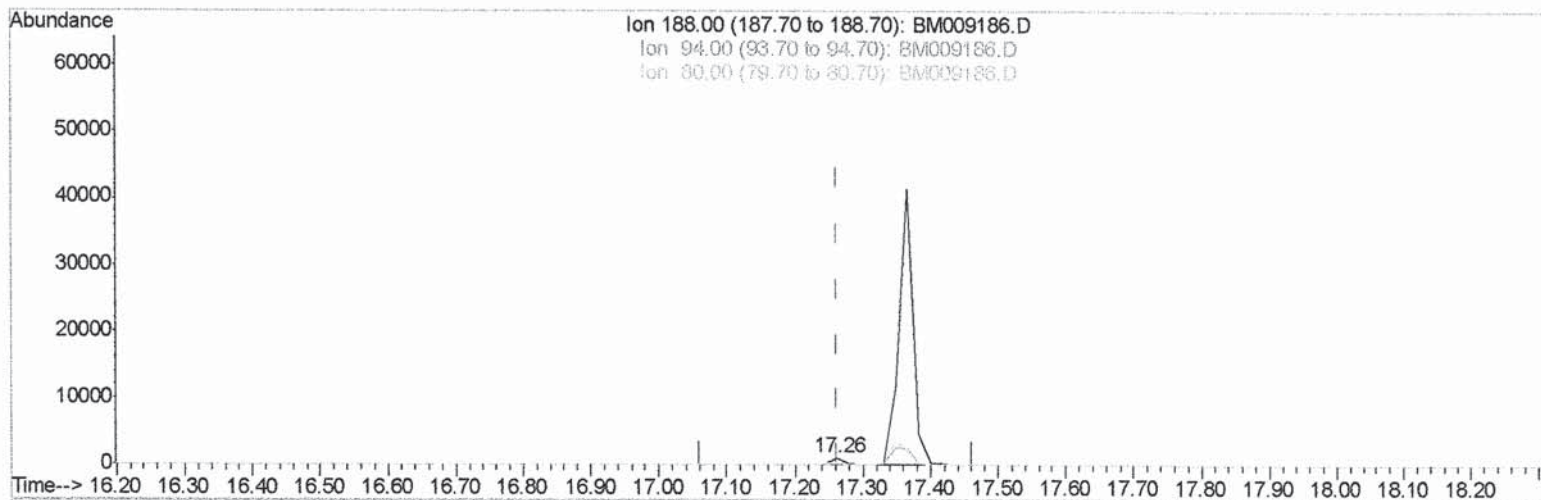
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 00:55:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m

response 1373

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.78
80.00	11.80	14.54#
0.00	0.00	0.00

SJ
 03/13/17

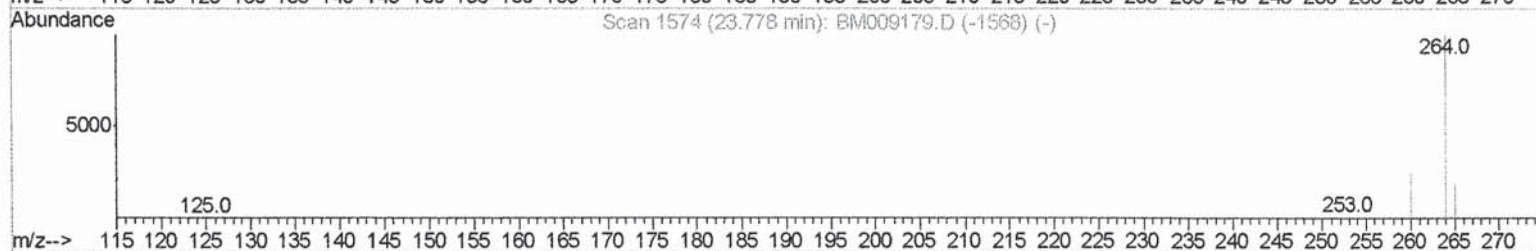
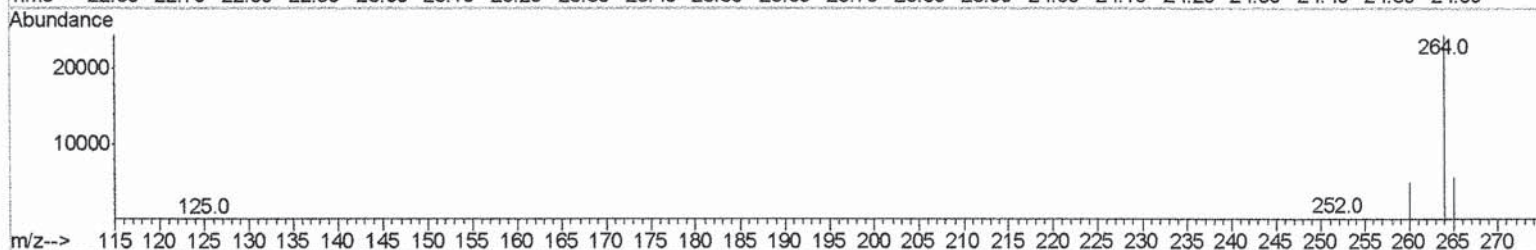
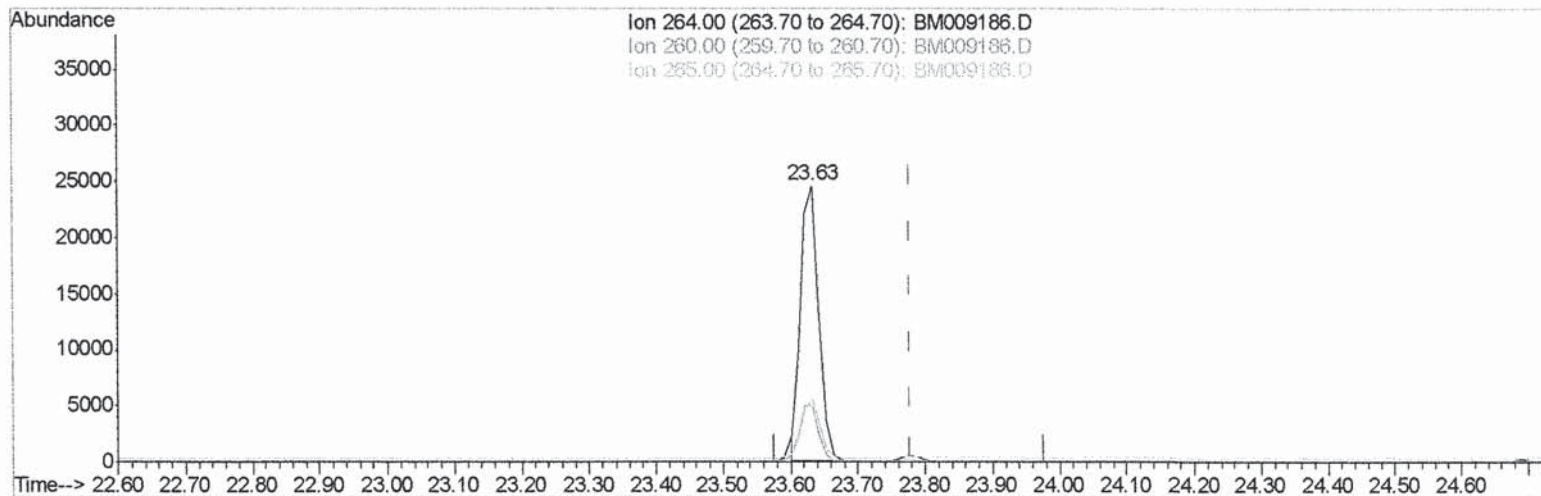
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
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mohammad
3/13/2017 2:14:03 PM

Quant Time: Mar 11 00:55:26 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 11 00:54:34 2017
Response via : Initial Calibration



TIC: BM009186.D

(20) Perylene-d12 (I)

23.632min (-0.146) 0.40ng/ul

response 46249

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.52#
265.00	103.50	23.19#
0.00	0.00	0.00

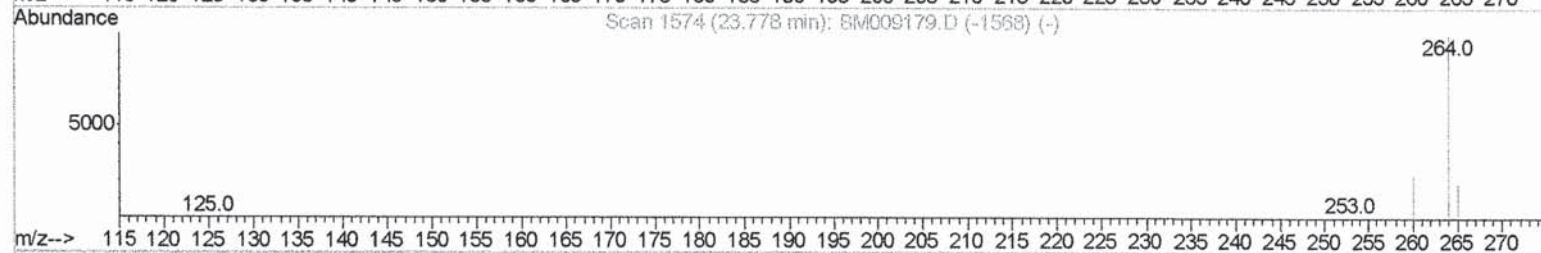
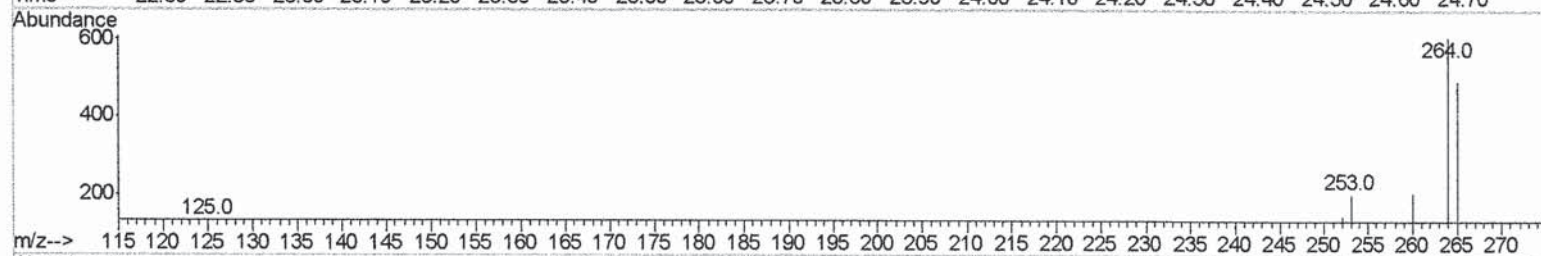
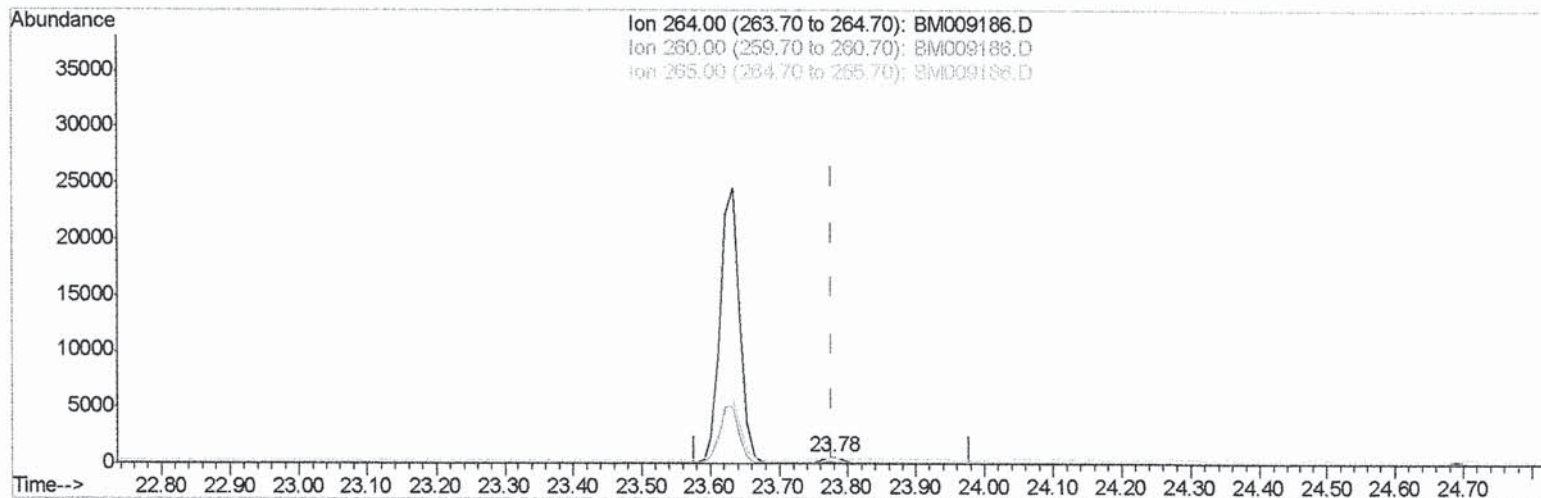
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
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mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 00:55:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

(20) Perylene-d12 (I)

23.778min (-0.000) 0.40ng/ul m

response 1137

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	33.88
265.00	103.50	81.09#
0.00	0.00	0.00

SJ
03/13/17

Quantitation Report (Qedit)

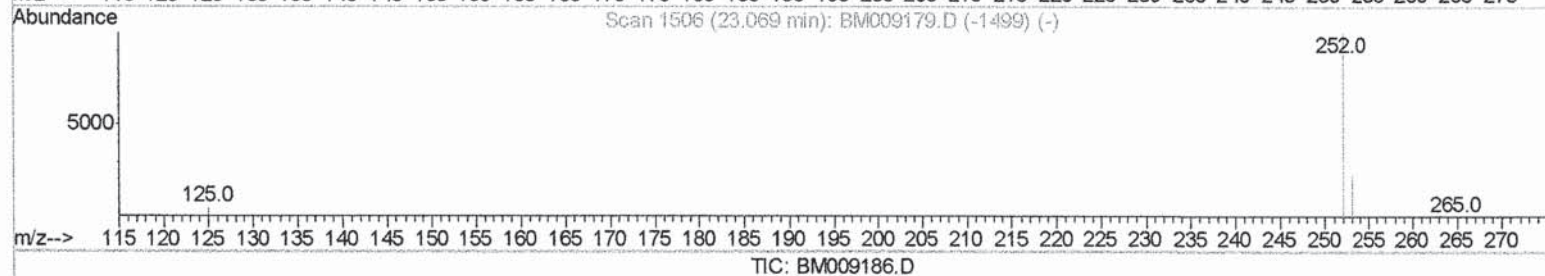
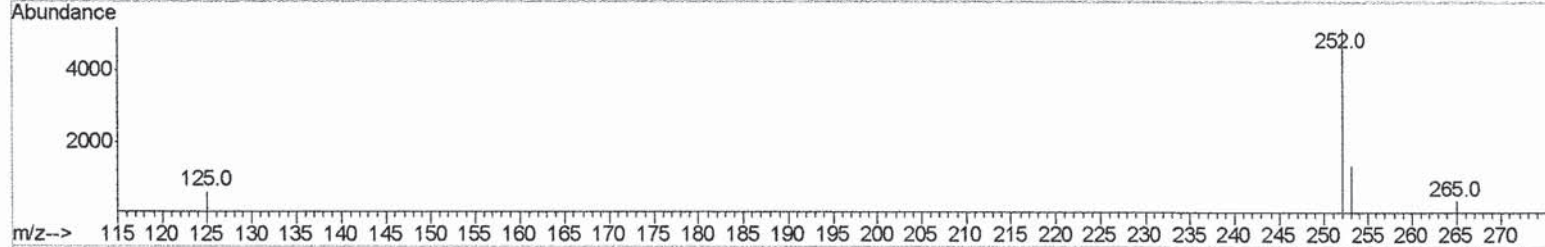
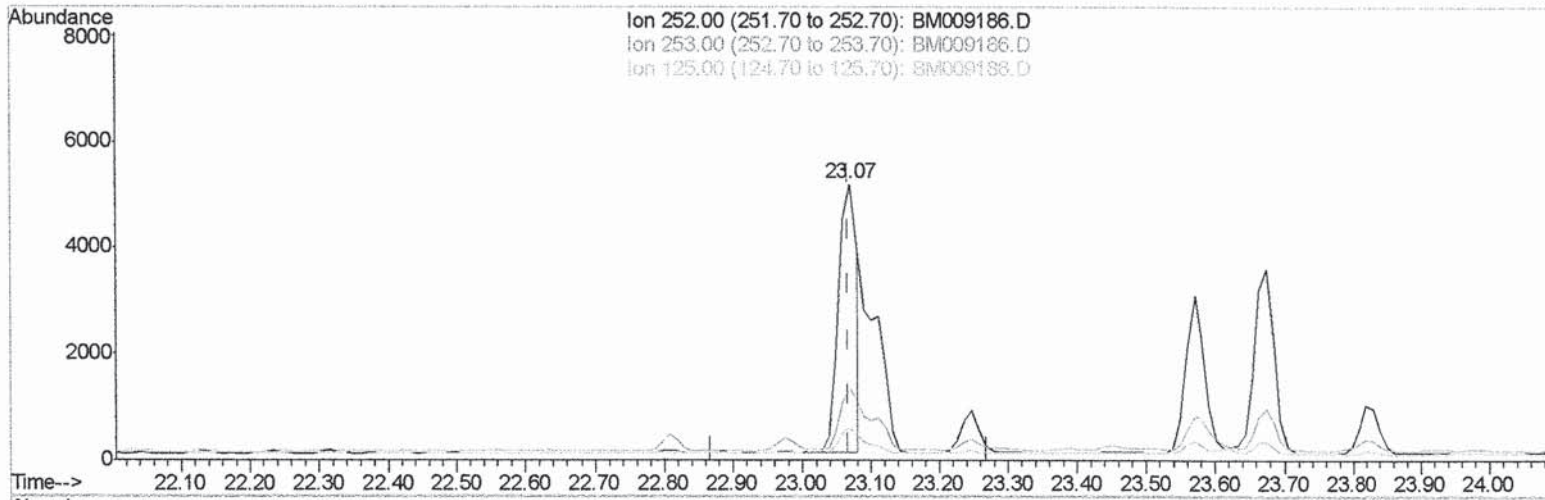
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 C0AK0

Manual Integrations
 APPROVED

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Quant Time: Mar 11 01:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 23.069min (-0.000) 2.13ng/ul
 response 9533

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.39
125.00	17.50	11.82
0.00	0.00	0.00

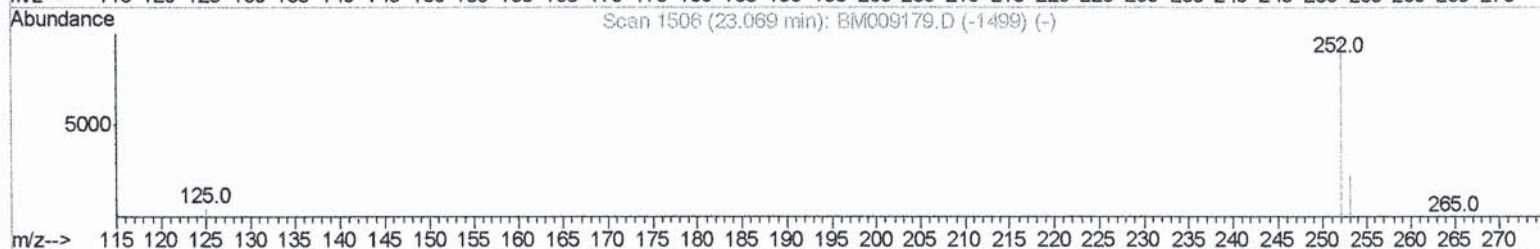
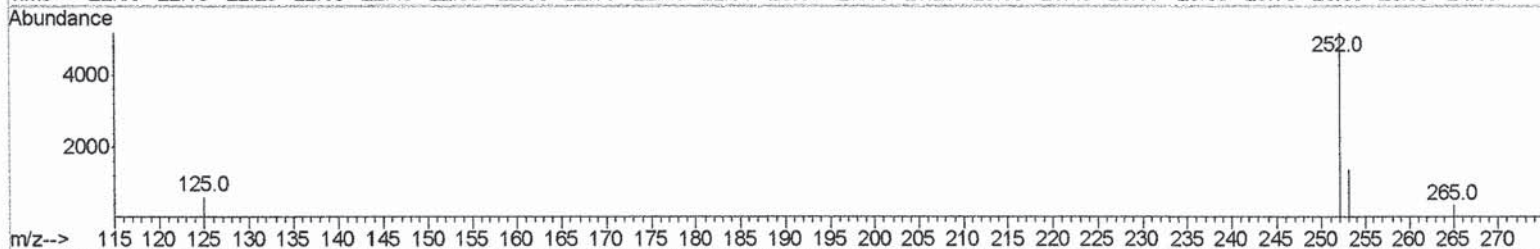
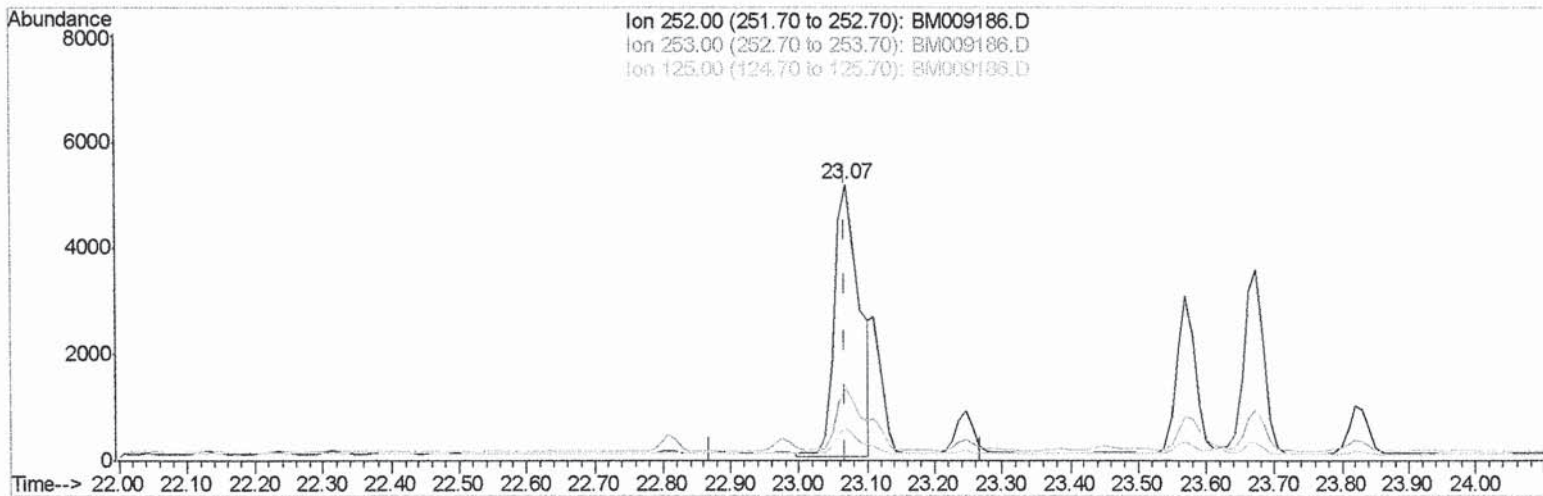
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
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mohammad
3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 11 00:54:34 2017
Response via : Initial Calibration



TIC: BM009186.D

(21) Benzo(b)fluoranthene

23.069min (-0.000) 2.98ng/ul m

response 13306

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.39
125.00	17.50	11.82
0.00	0.00	0.00

Quantitation Report (Qedit)

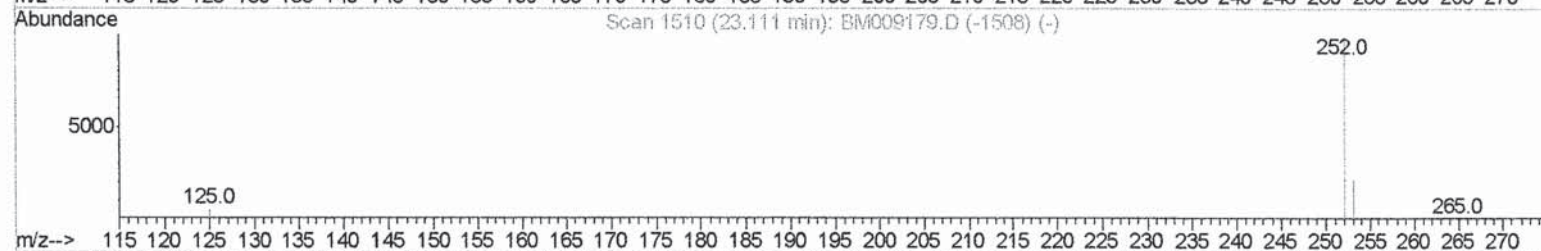
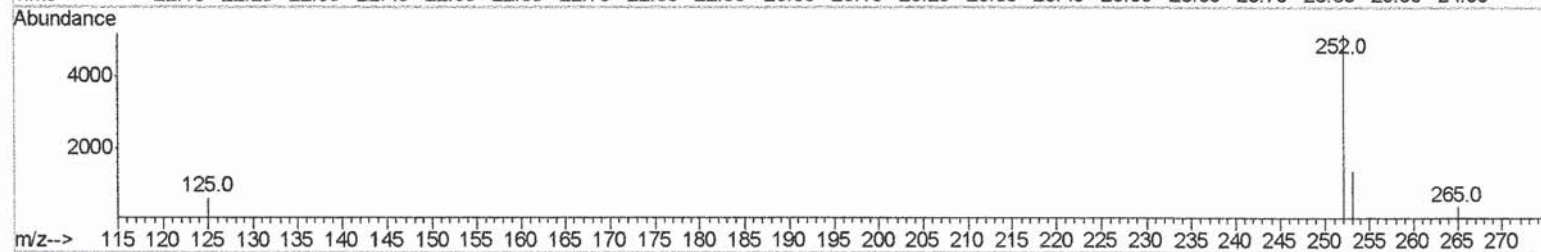
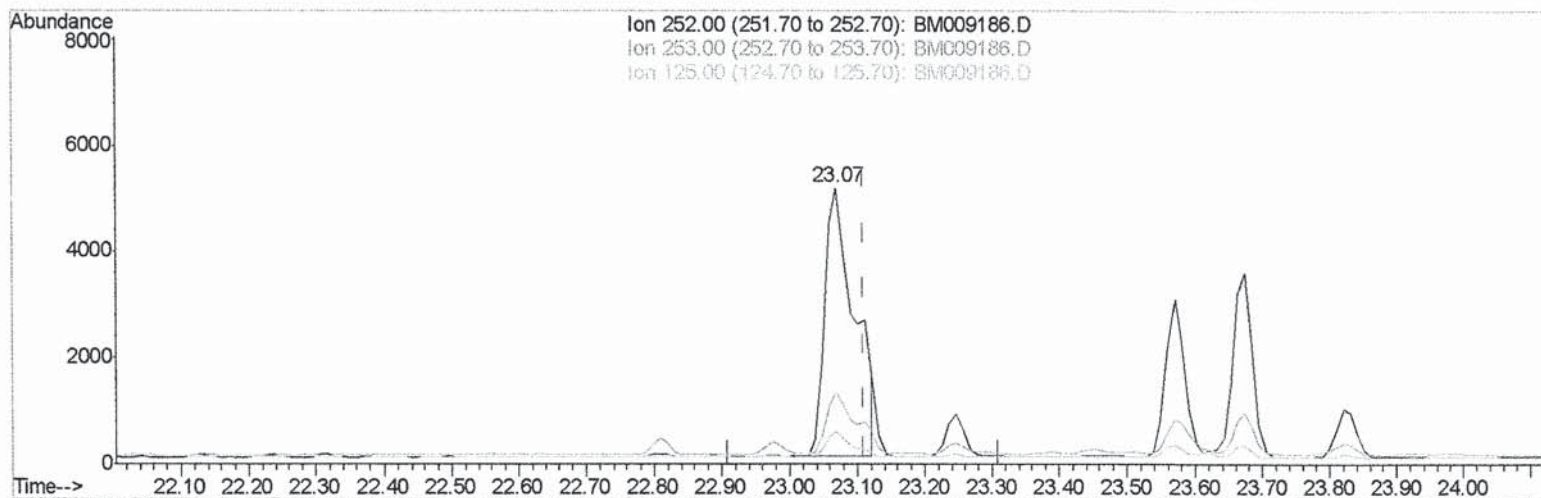
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

(22) Benzo(k)fluoranthene
 23.069min (-0.042) 3.88ng/ul
 response 15329

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.39
125.00	17.10	11.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

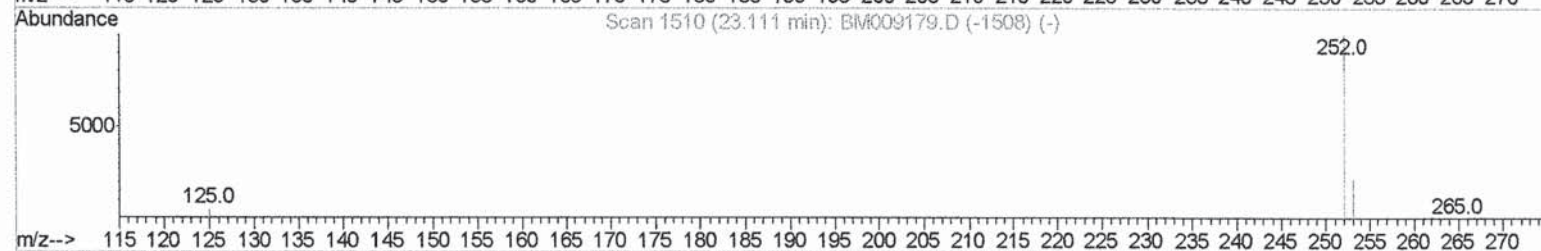
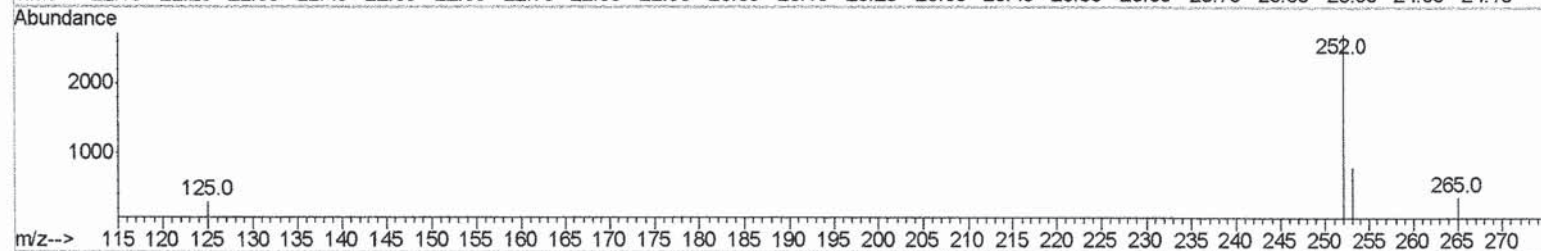
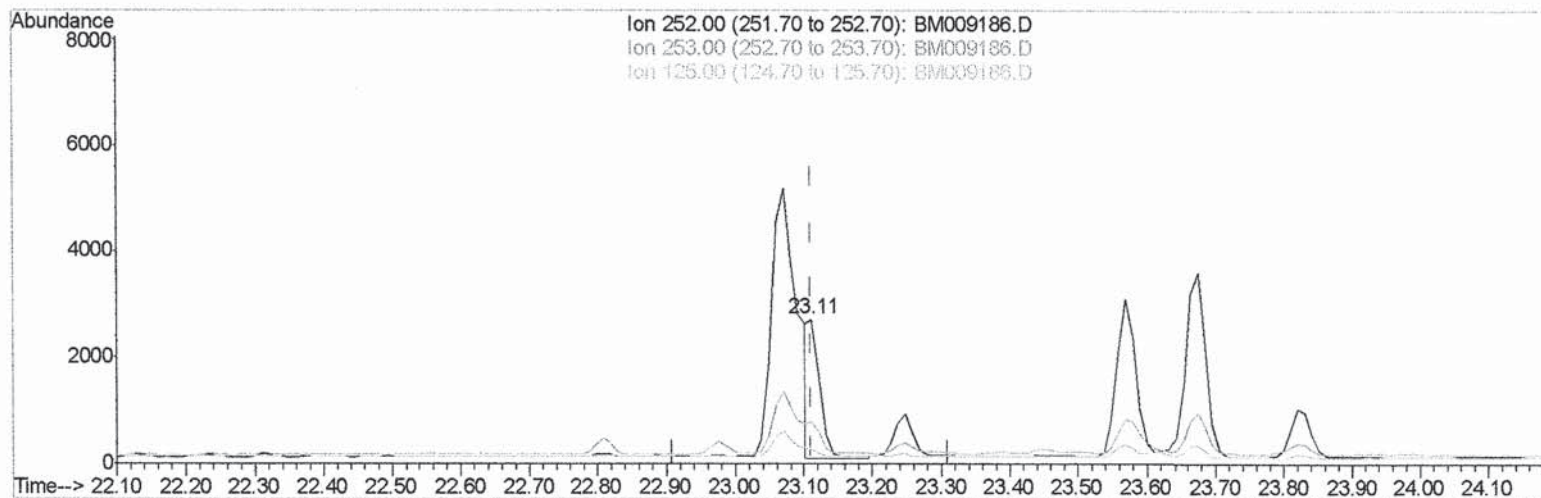
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

(22) Benzo(k)fluoranthene

23.111min (-0.000) 0.80ng/ul m

response 3179

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.21
125.00	17.10	10.78#
0.00	0.00	0.00

> $\frac{57}{09/13/17}$

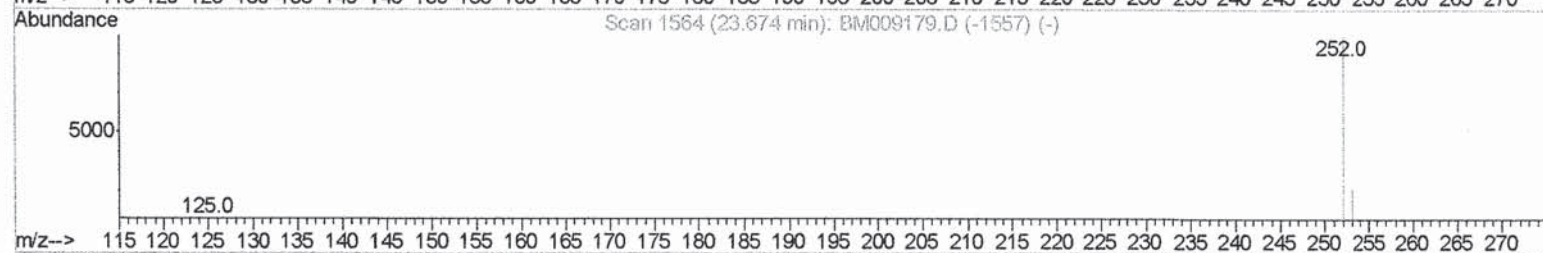
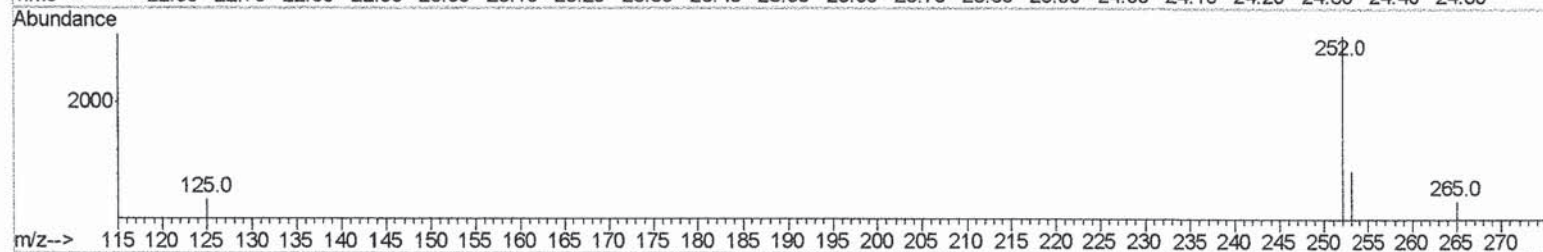
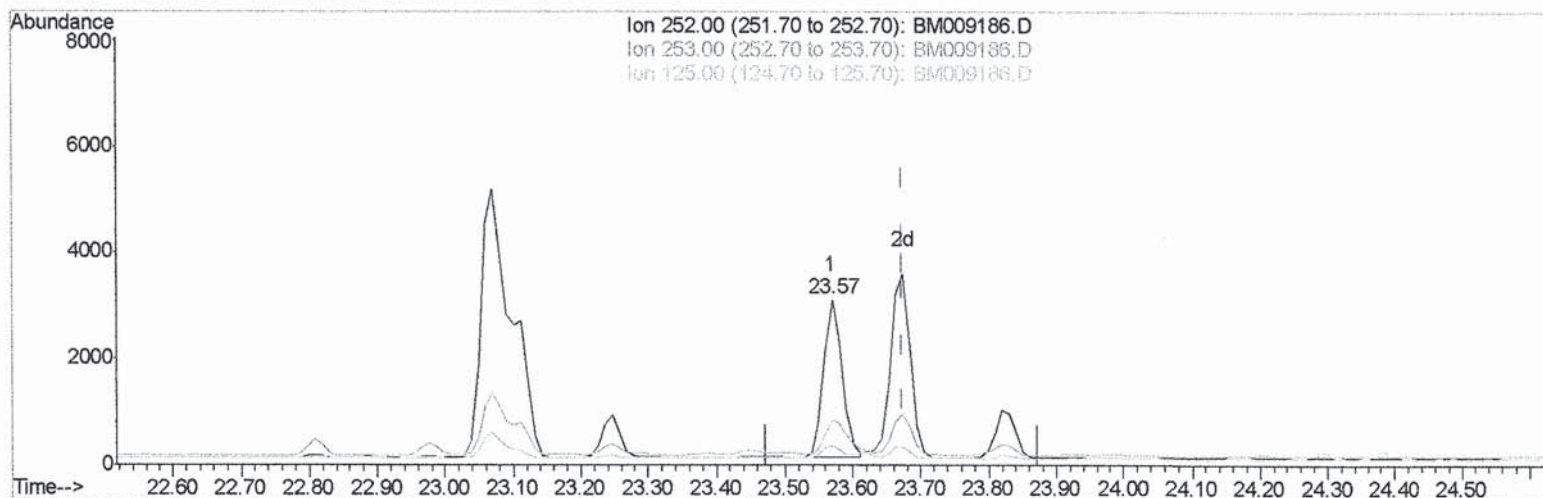
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
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3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 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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TIC: BM009186.D

(23) Benzo(a)pyrene (C)

23.569min (-0.104) 1.43ng/ul

response 5733

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.46#
125.00	22.60	12.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

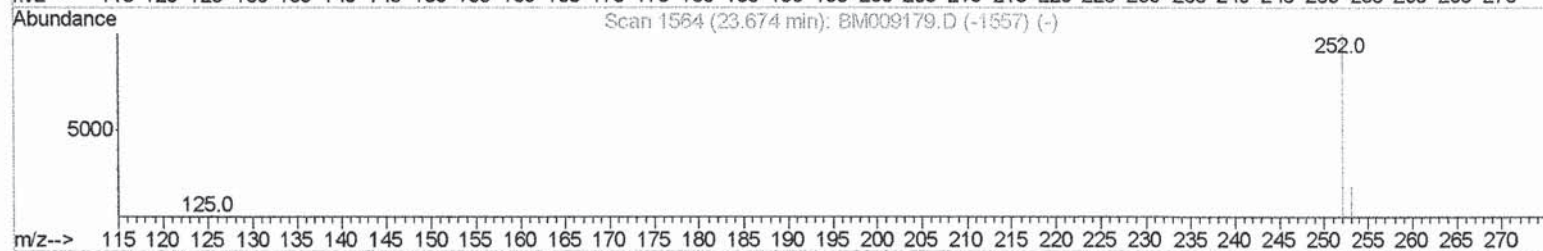
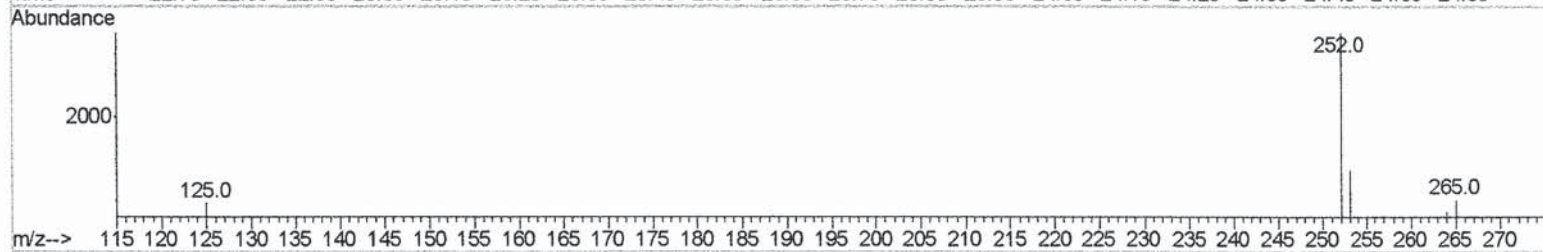
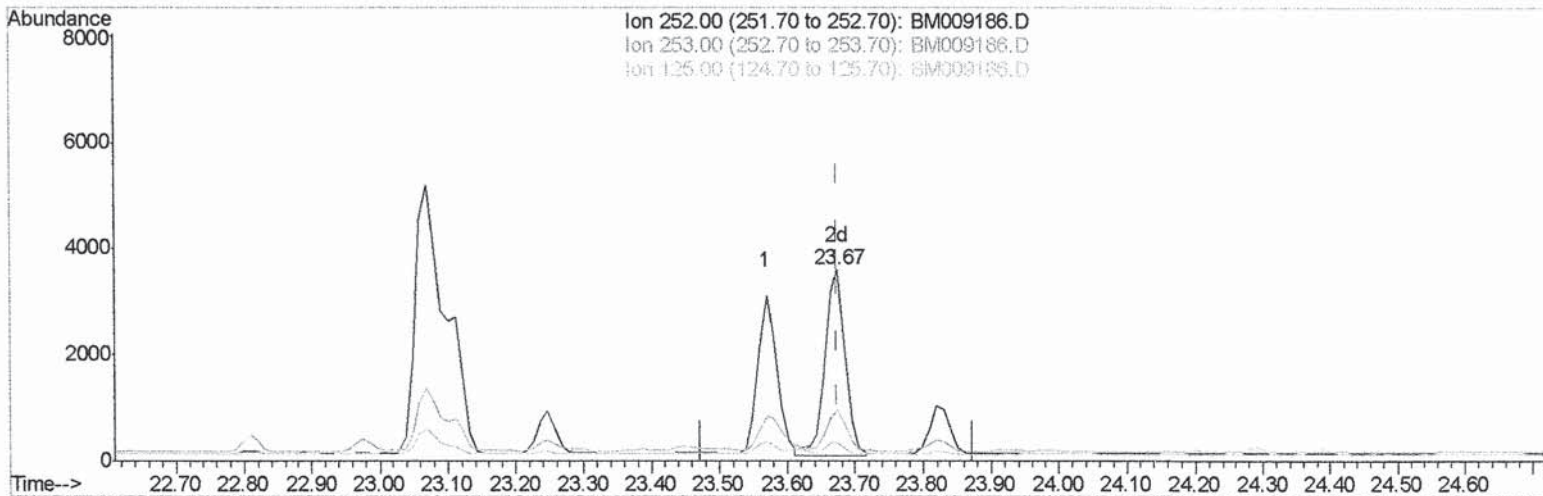
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

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 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
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TIC: BM009186.D

(23) Benzo(a)pyrene (C)

23.674min (-0.000) 1.83ng/ul m

response 7361

Ion Exp% Act%

252.00 100 100

253.00 35.60 27.04#

125.00 22.60 9.81#

0.00 0.00 0.00

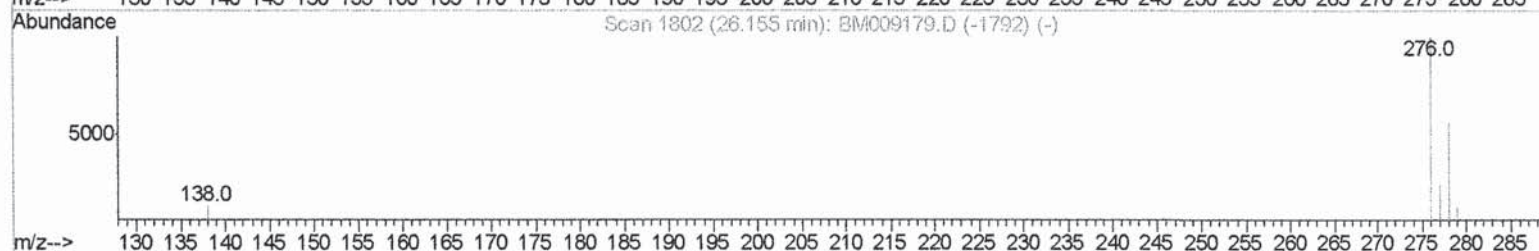
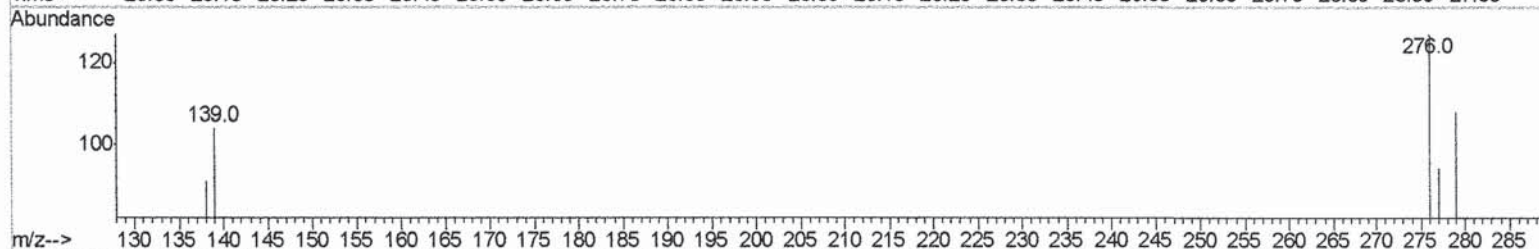
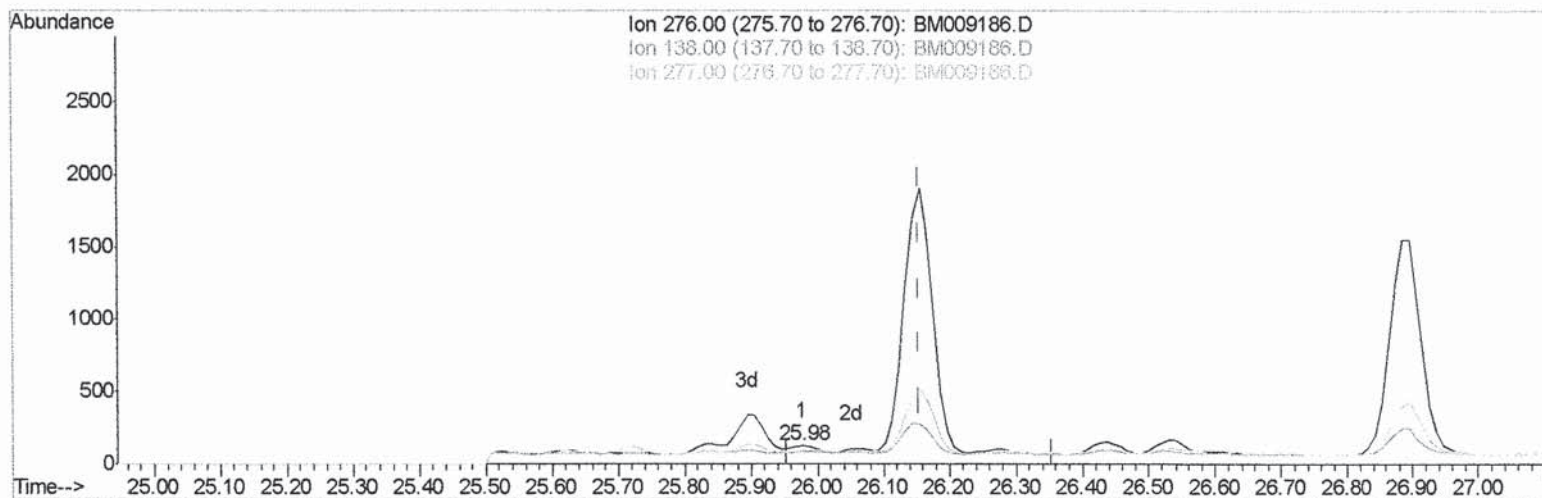
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
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Quant Time: Mar 11 01:30:54 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009186.D

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

25.977min (-0.177) 0.02ng/ul

response 116

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	37.93#
277.00	24.50	32.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

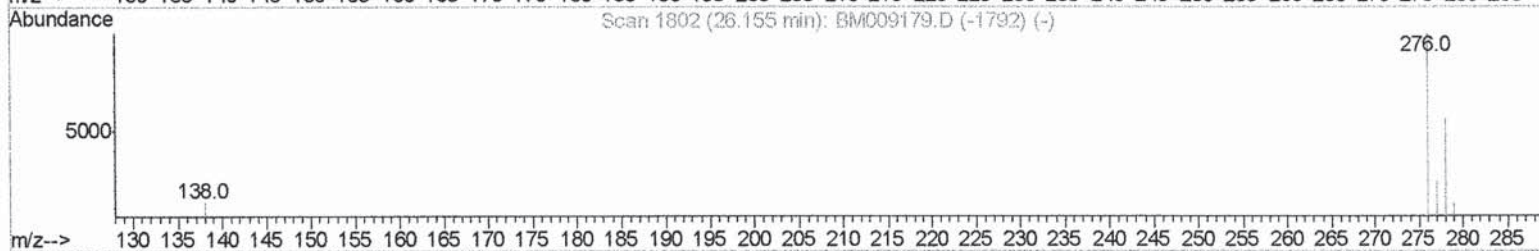
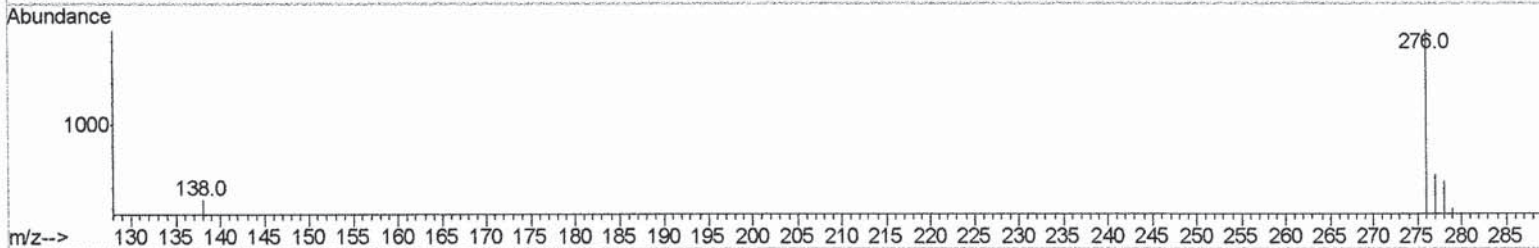
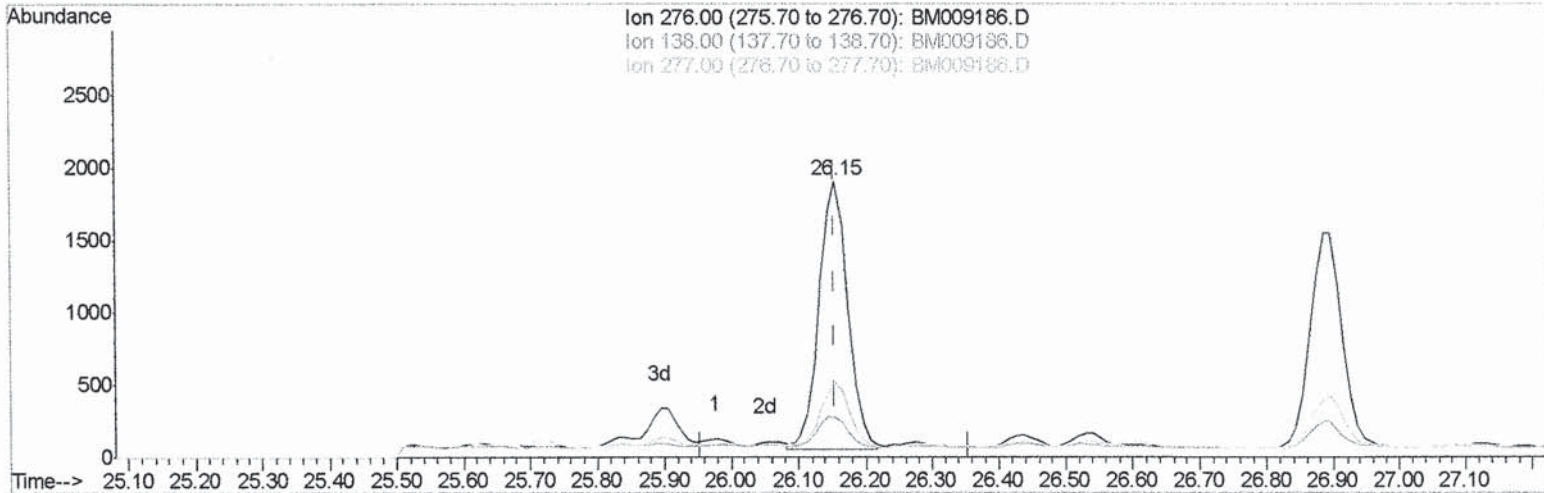
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

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

26.155min (-0.000) 1.09ng/ul m

response 5583

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.79#
277.00	24.50	0.68#
0.00	0.00	0.00

> SJ
 03/13/17

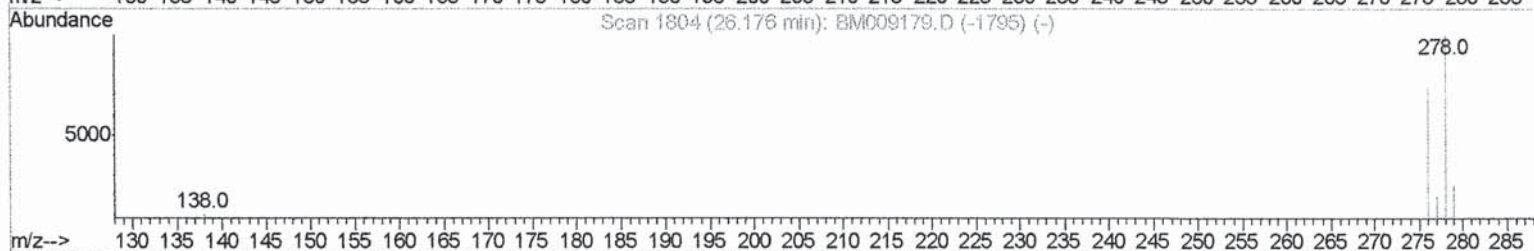
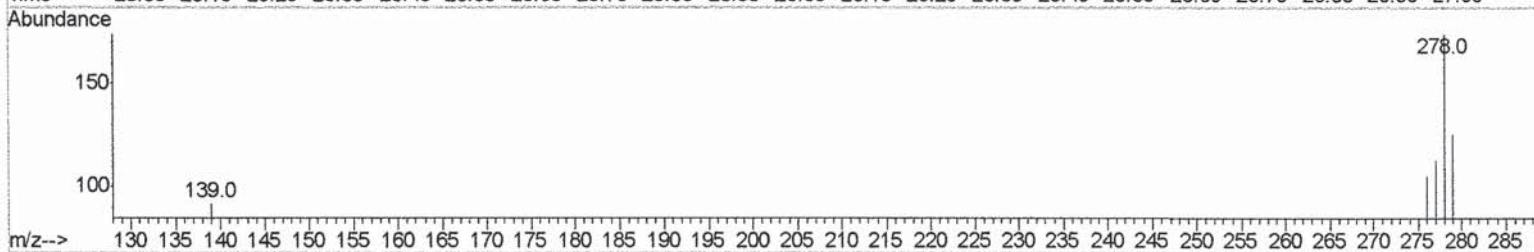
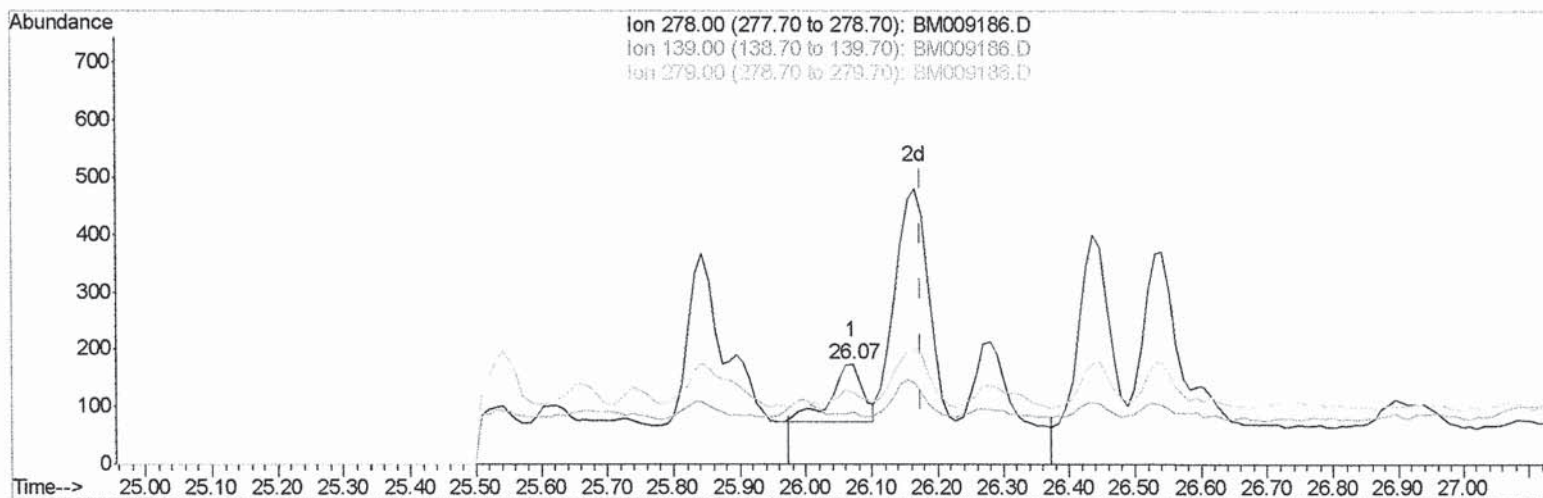
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009186.D

(25) Dibenzo(a,h)anthracene

26.071min (-0.104) 0.08ng/ul

response 355

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	52.87#
279.00	32.40	72.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

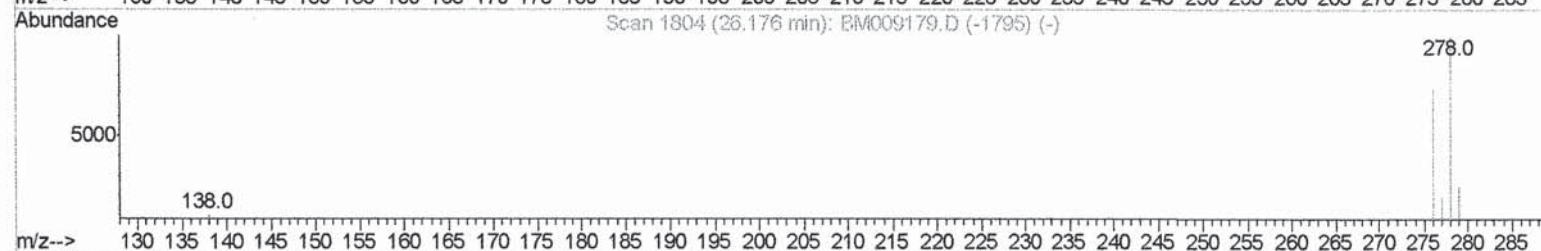
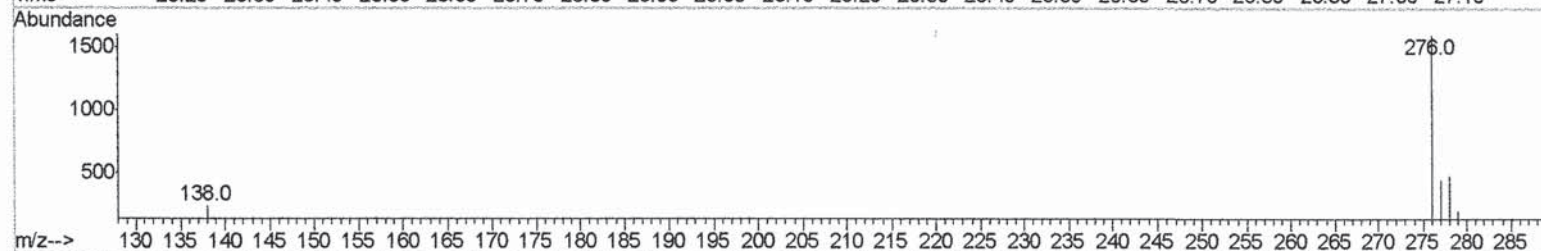
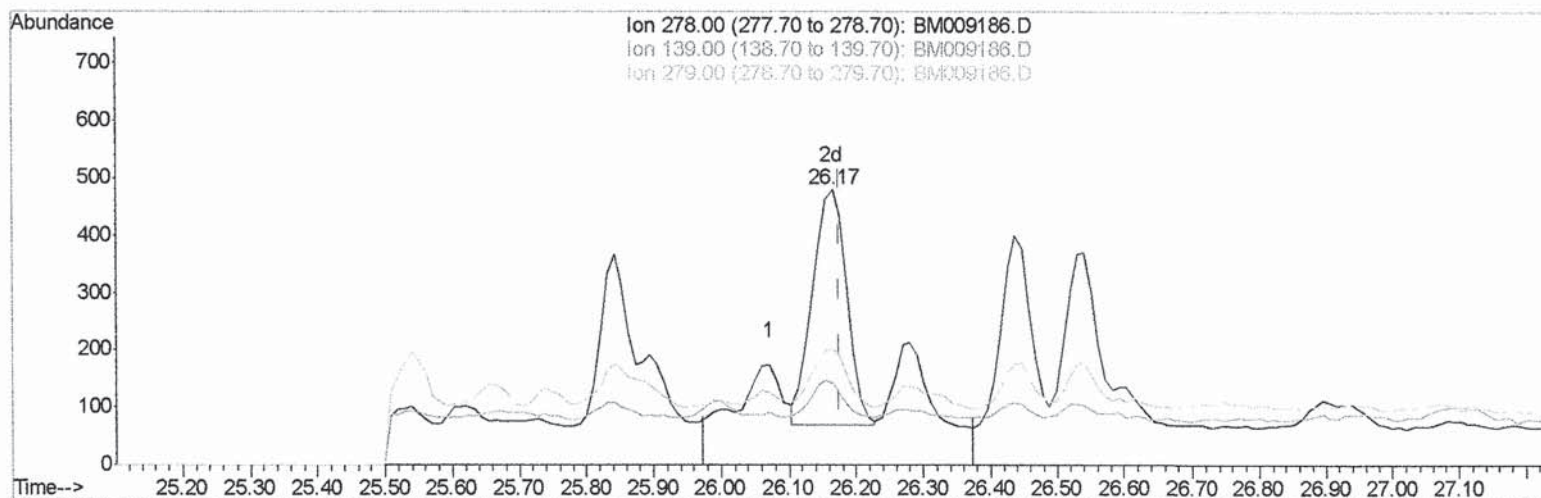
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
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mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

(25) Dibenzo(a,h)anthracene

26.165min (-0.010) 0.34ng/ul m

response 1461

Ion Exp% Act%

278.00 100 100

139.00 21.70 29.58#

279.00 32.40 42.08#

0.00 0.00 0.00

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 03/13/17

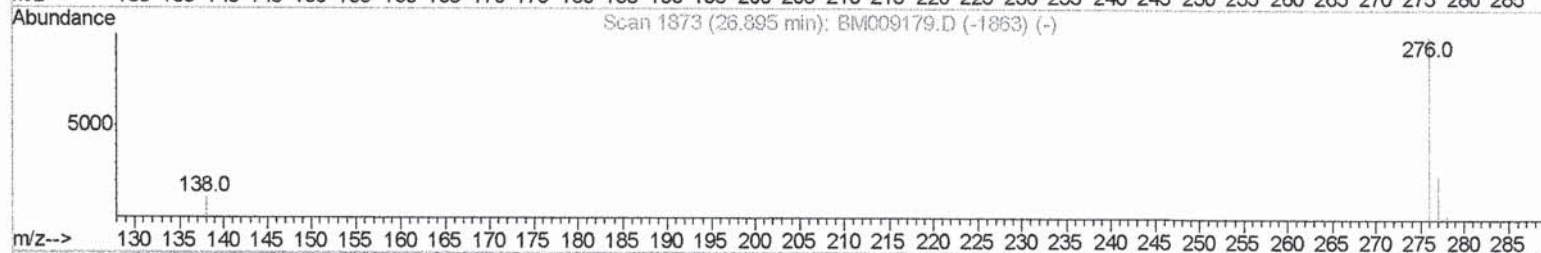
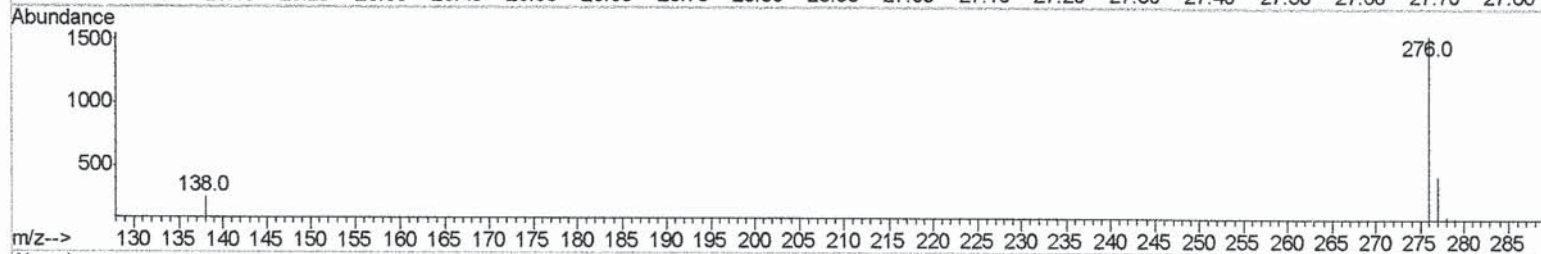
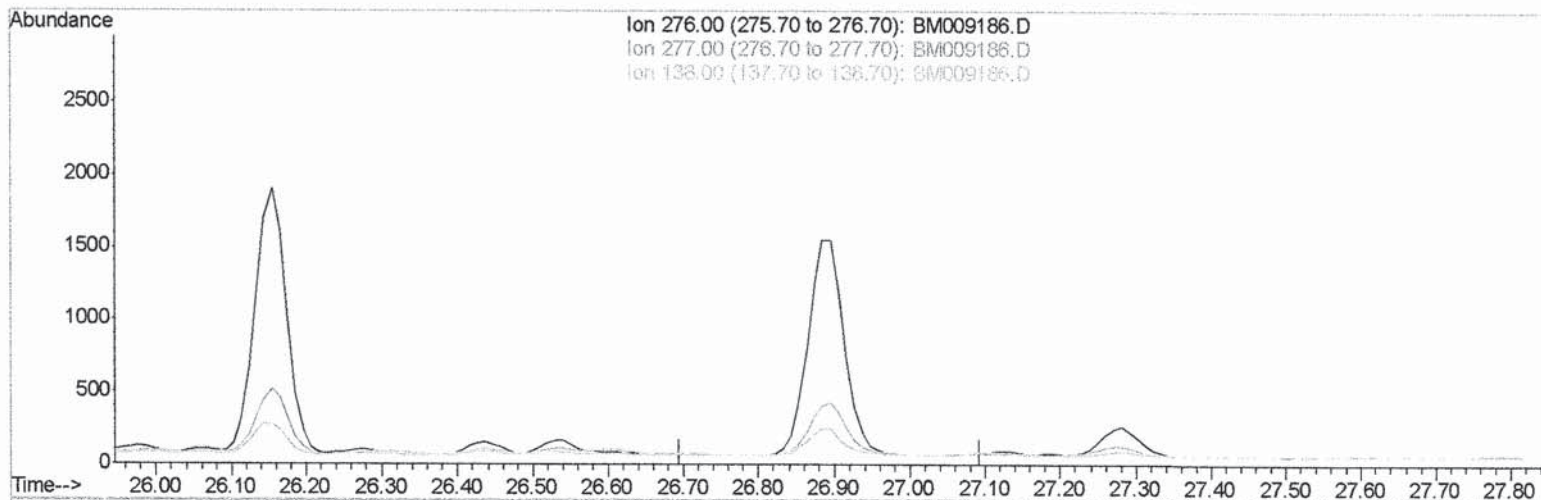
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009186.D
Acq On : 10 Mar 2017 21:45
Operator : SJ/MA
Sample : I2107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 11 00:54:34 2017
Response via : Initial Calibration



TIC: BM009186.D

(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

Quantitation Report (Qedit)

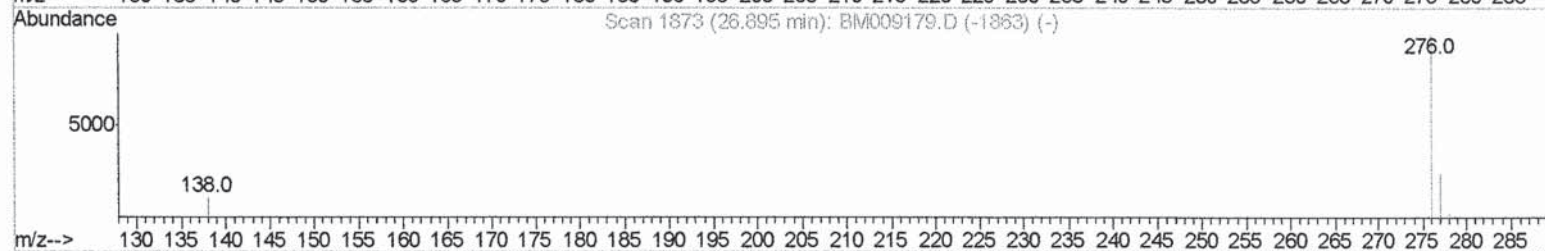
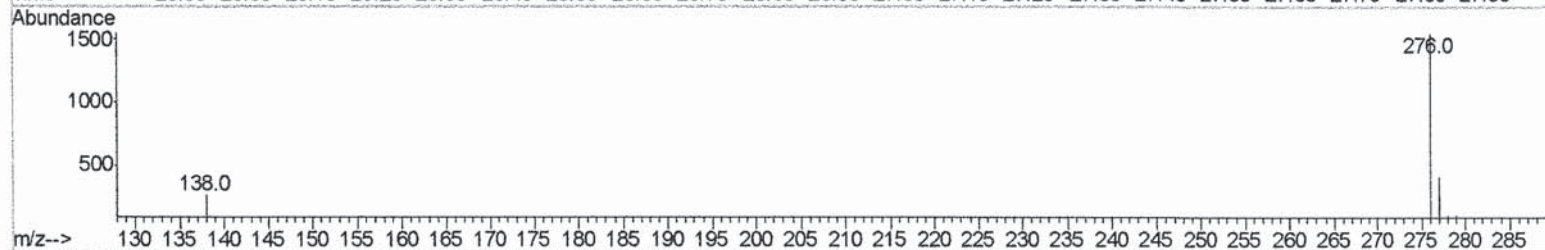
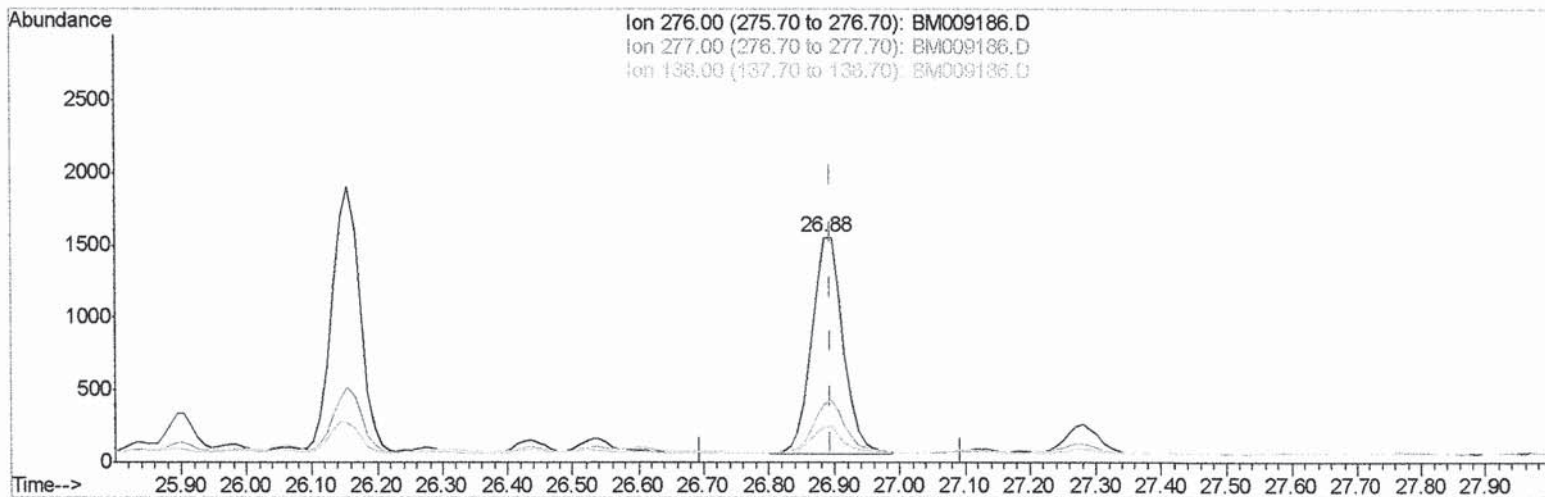
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009186.D

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

26.884min (-0.010) 1.14ng/ul m

response 4982

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	26.42
138.00	25.60	16.43#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:03 PM

Quant Time: Mar 11 01:32:47 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	301	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	981	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	585	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1373m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1286	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1137m	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	310	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	770	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	2807	0.99	ng/ul	99
5) 2-Methylnaphthalene	12.34	142	2528	1.24	ng/ul	100
7) Acenaphthylene	14.23	152	850	0.28	ng/ul#	79
8) Acenaphthene	14.57	153	254	0.11	ng/ul#	87
9) Fluorene	15.56	166	357	0.13	ng/ul#	71
12) Phenanthrene	17.30	178	9162	2.13	ng/ul	98
13) Anthracene	17.40	178	1991	0.47	ng/ul#	93
15) Fluoranthene	19.32	202	17801	3.17	ng/ul	93
17) Pyrene	19.68	202	16674	3.77	ng/ul	97
18) Benzo(a)anthracene	21.42	228	9008	2.11	ng/ul	98
19) Chrysene	21.47	228	9066	2.24	ng/ul	98
21) Benzo(b)fluoranthene	23.07	252	13306m	2.98	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	3179m	0.80	ng/ul	
23) Benzo(a)pyrene	23.67	252	7361m	1.83	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	5583m	1.09	ng/ul	
25) Dibenzo(a,h)anthracene	26.17	278	1461m	0.34	ng/ul	
26) Benzo(a,h,i)perylene	26.88	276	4982m	1.14	ng/ul	

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