

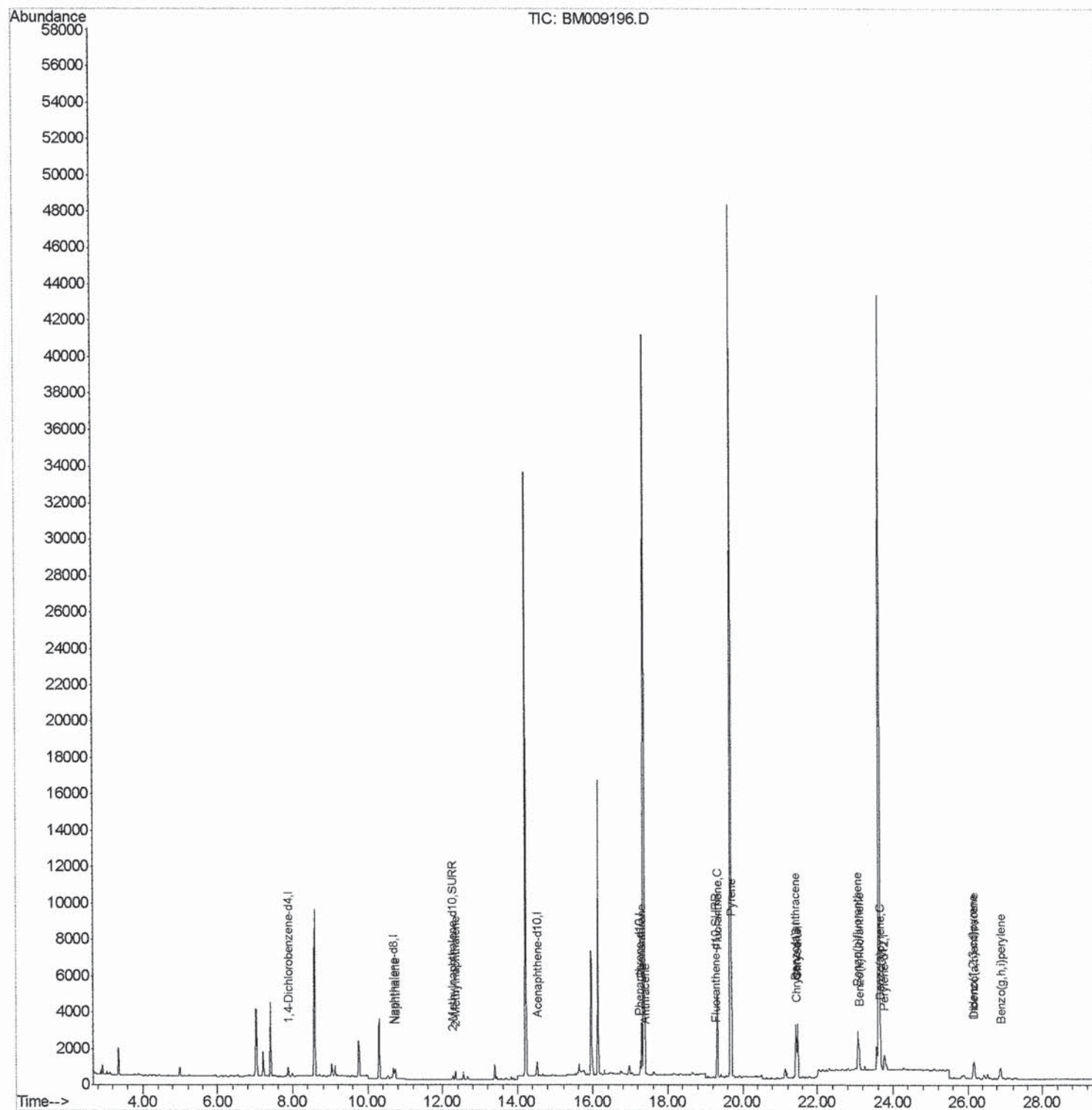
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:30:36 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 02:23:19 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

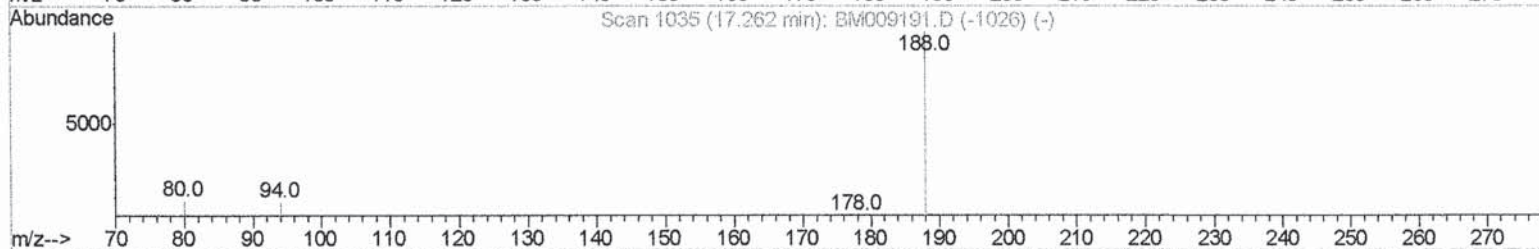
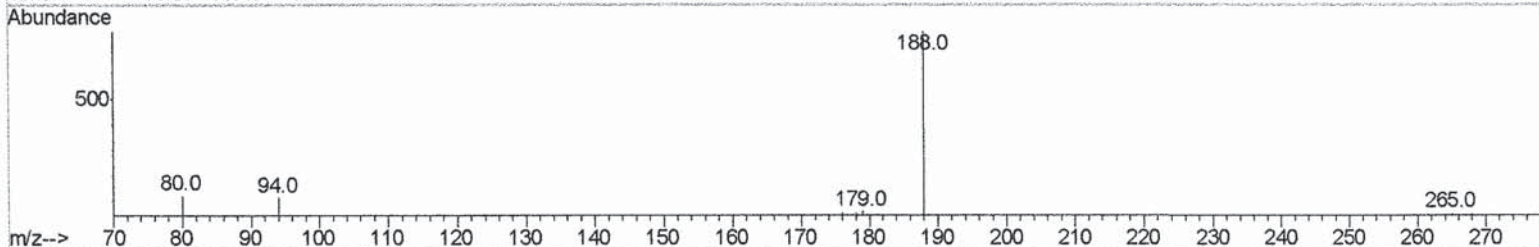
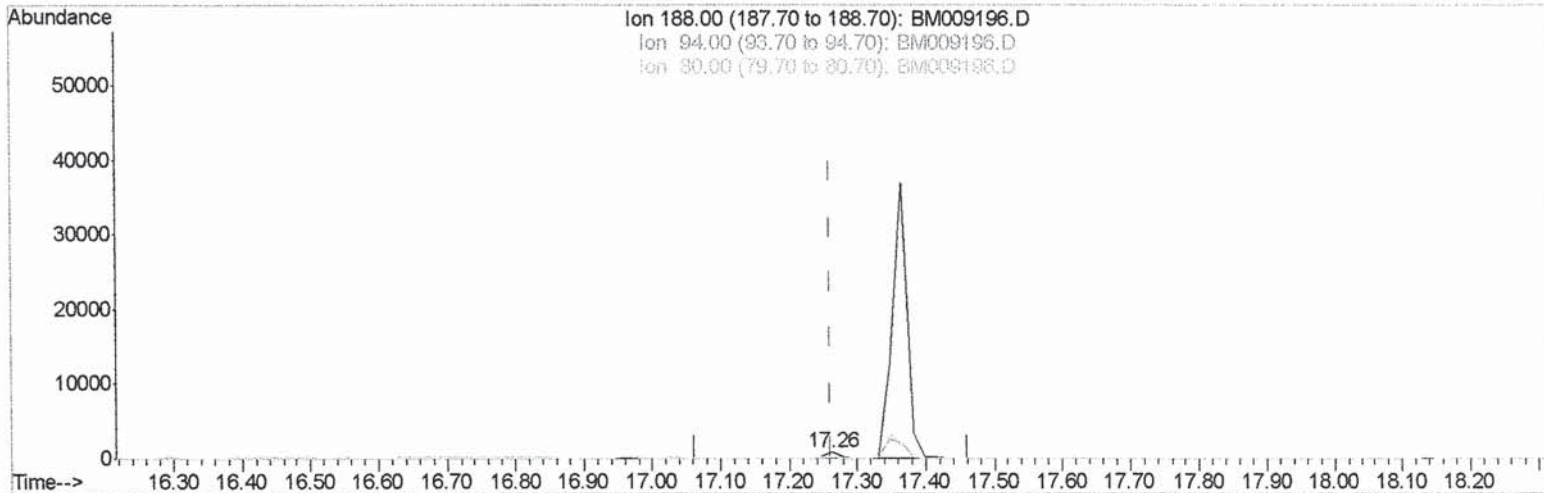
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:26:24 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 02:23:19 2017
 Response via : Initial Calibration



TIC: BM009196.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m

response 1042

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.94#
80.00	11.80	16.12#
0.00	0.00	0.00

SJ
 03/13/17

Quantitation Report (Qedit)

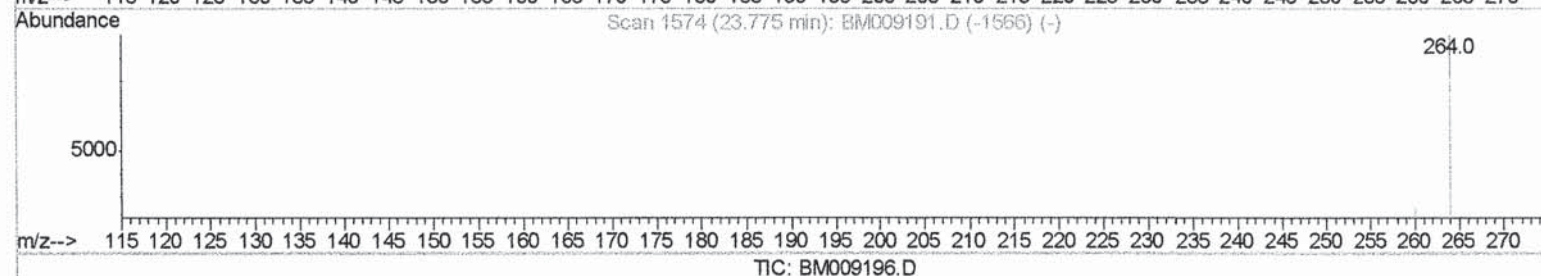
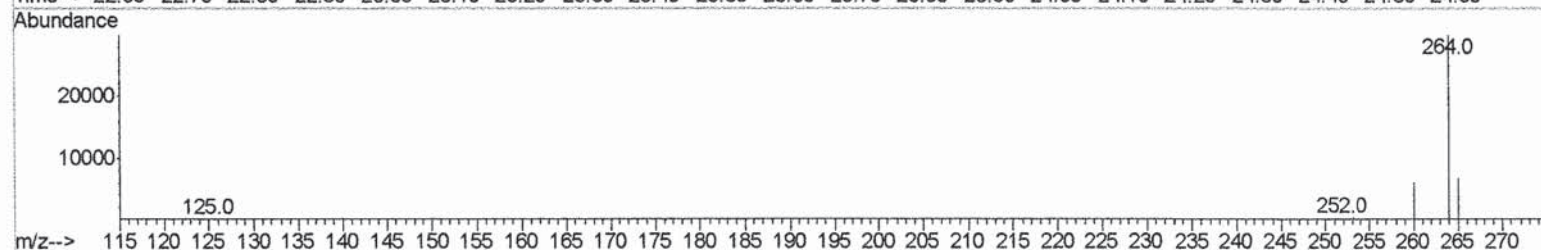
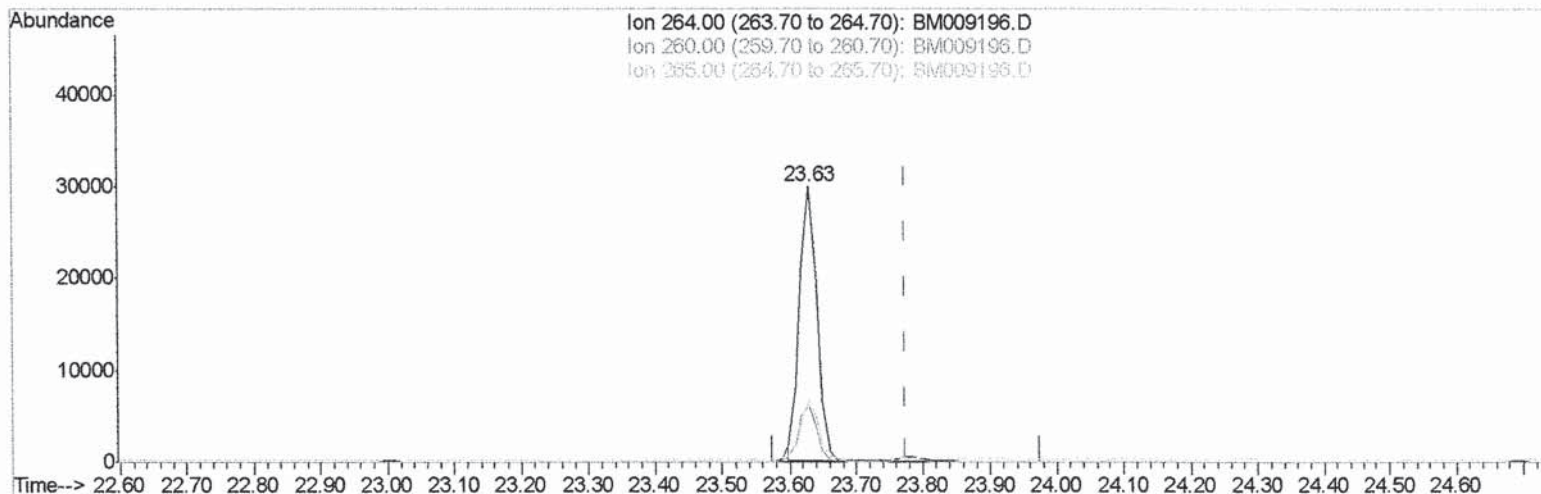
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:26:24 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 02:23:19 2017
 Response via : Initial Calibration



(20) Perylene-d12 (I)
 23.629min (-0.146) 0.40ng/ul
 response 54228

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.50#
265.00	103.50	22.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

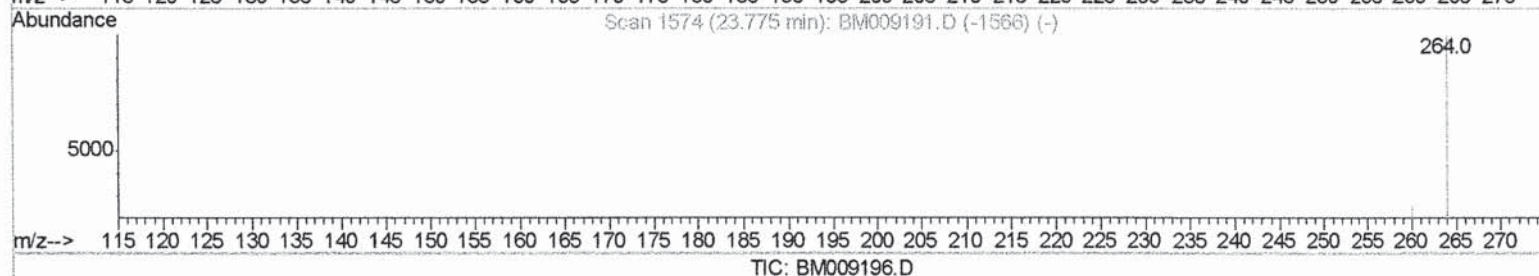
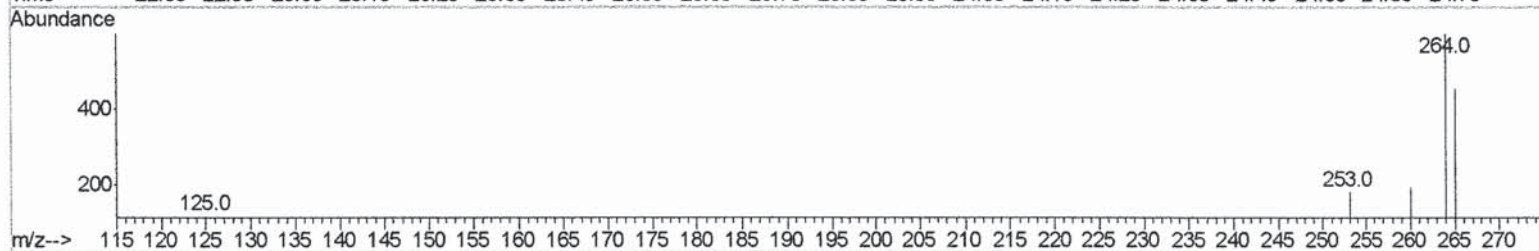
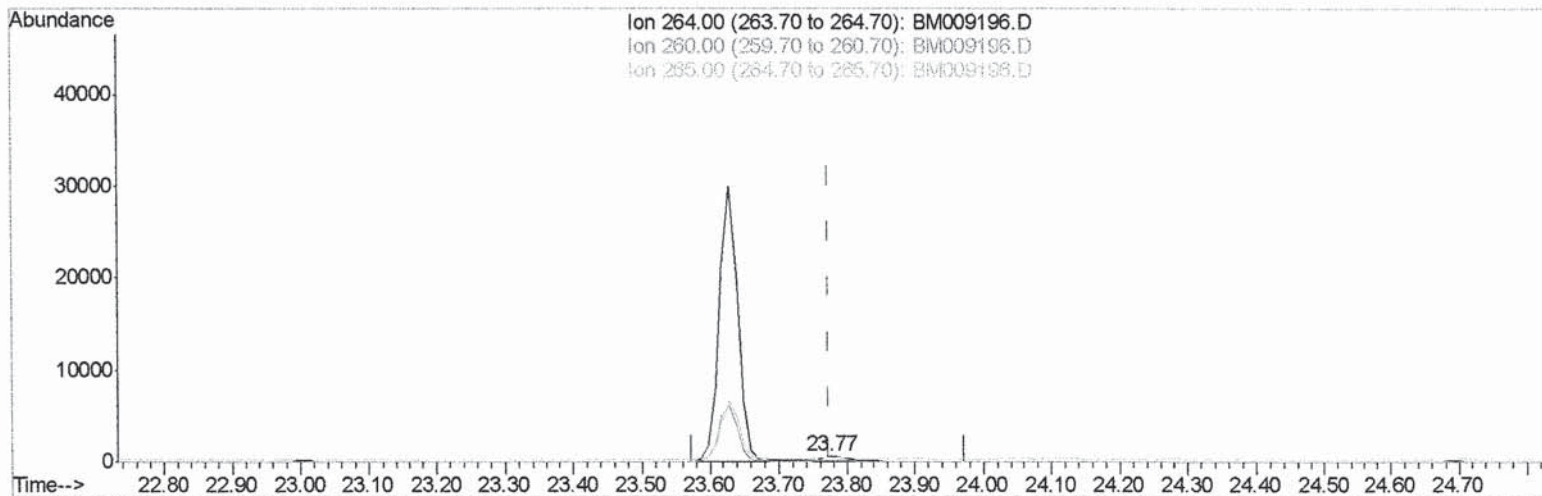
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:26:24 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 02:23:19 2017
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.774min (-0.000) 0.40ng/ul m

response 1237

Ion Exp% Act%

264.00 100 100

260.00 30.10 32.33

265.00 103.50 75.33#

0.00 0.00 0.00

> SJ
 03/13/17

Quantitation Report (Qedit)

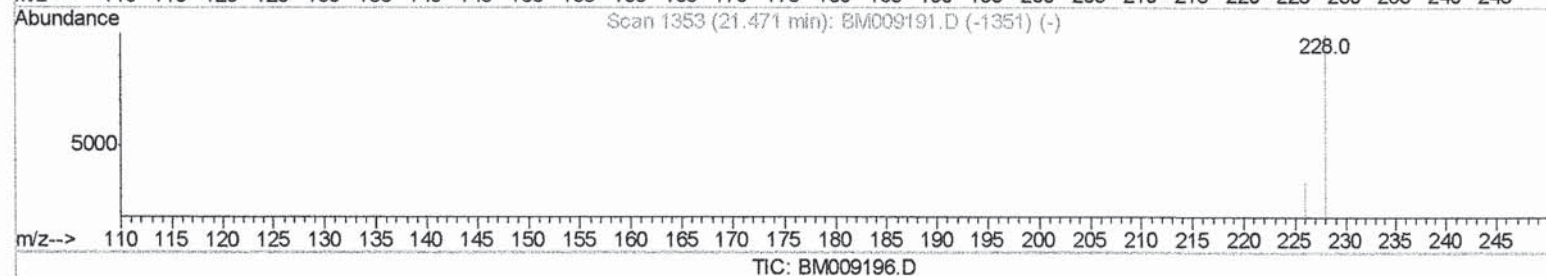
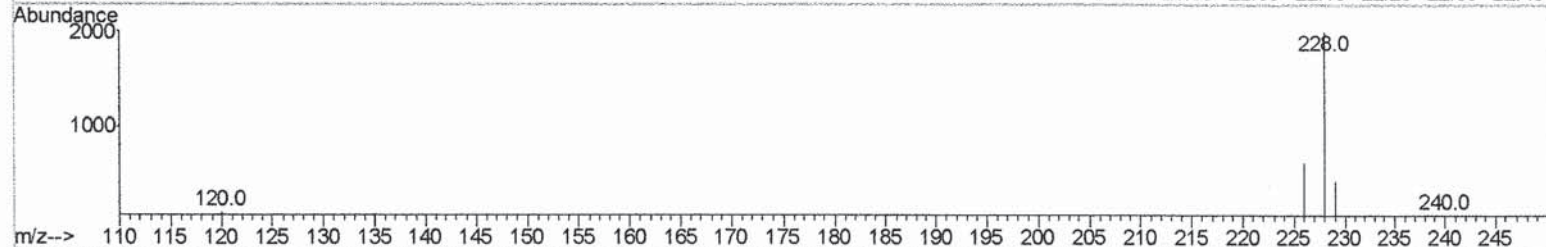
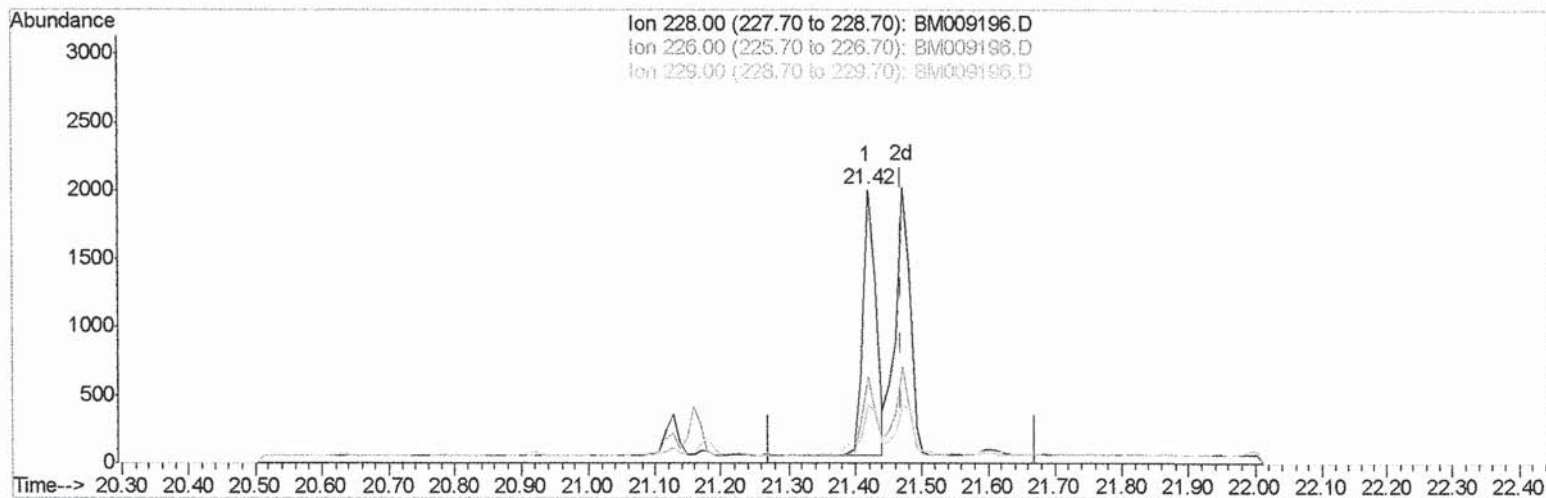
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
 Response via : Initial Calibration



(19) Chrysene

21.419min (-0.052) 0.73ng/ul

response 2650

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	31.62
229.00	22.10	21.70
0.00	0.00	0.00

Quantitation Report (Qedit)

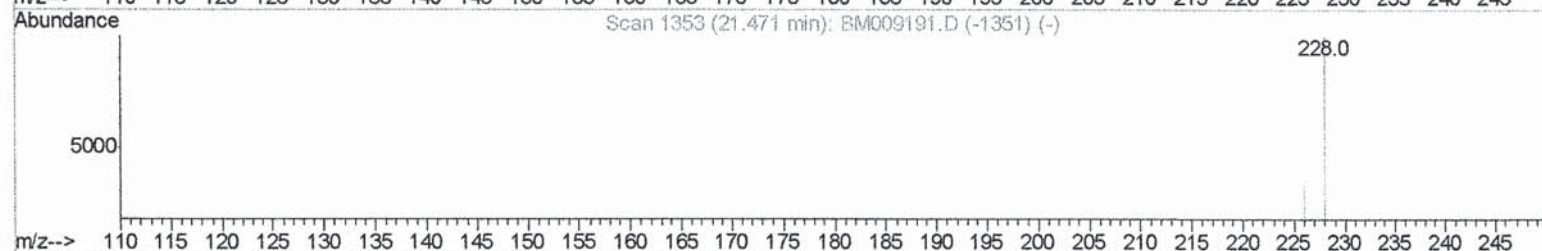
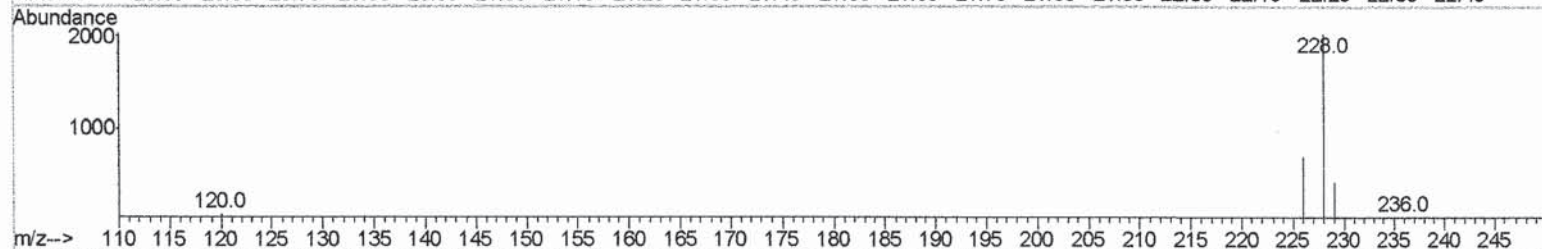
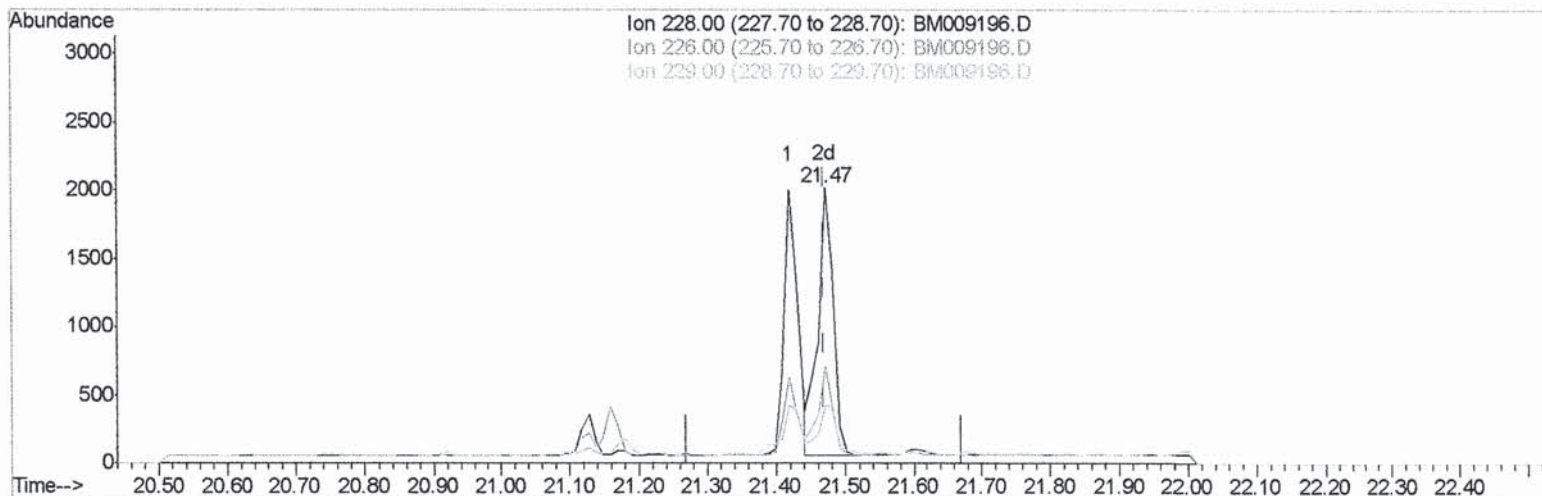
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
 Response via : Initial Calibration



TIC: BM009196.D

(19) Chrysene

21.471min (-0.000) 0.86ng/ul m

response 3100

Ion Exp% Act%

228.00 100 100

226.00 29.20 35.10#

229.00 22.10 21.58

0.00 0.00 0.00

> $\frac{55}{03/13/17}$

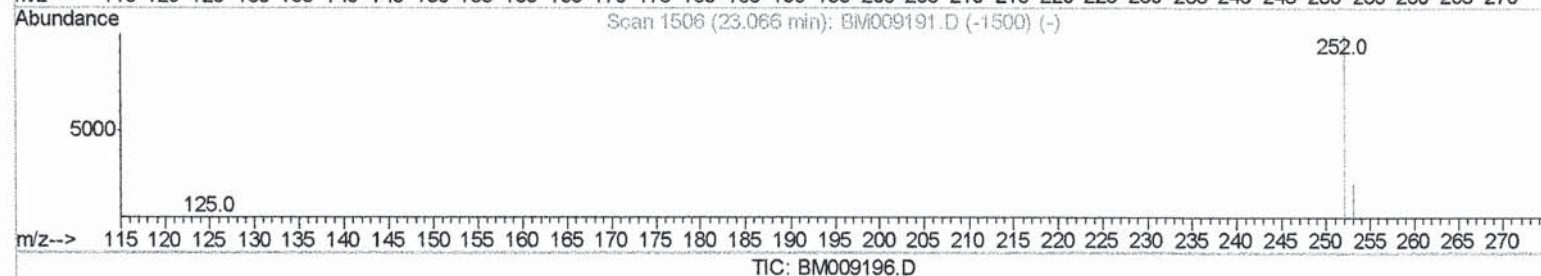
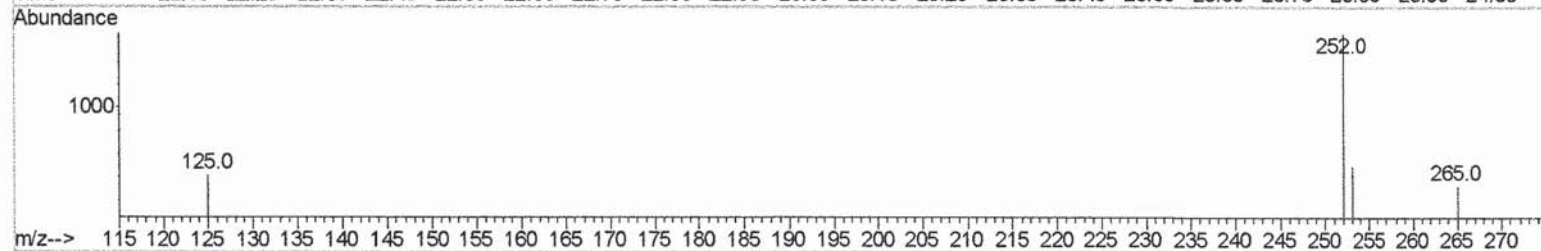
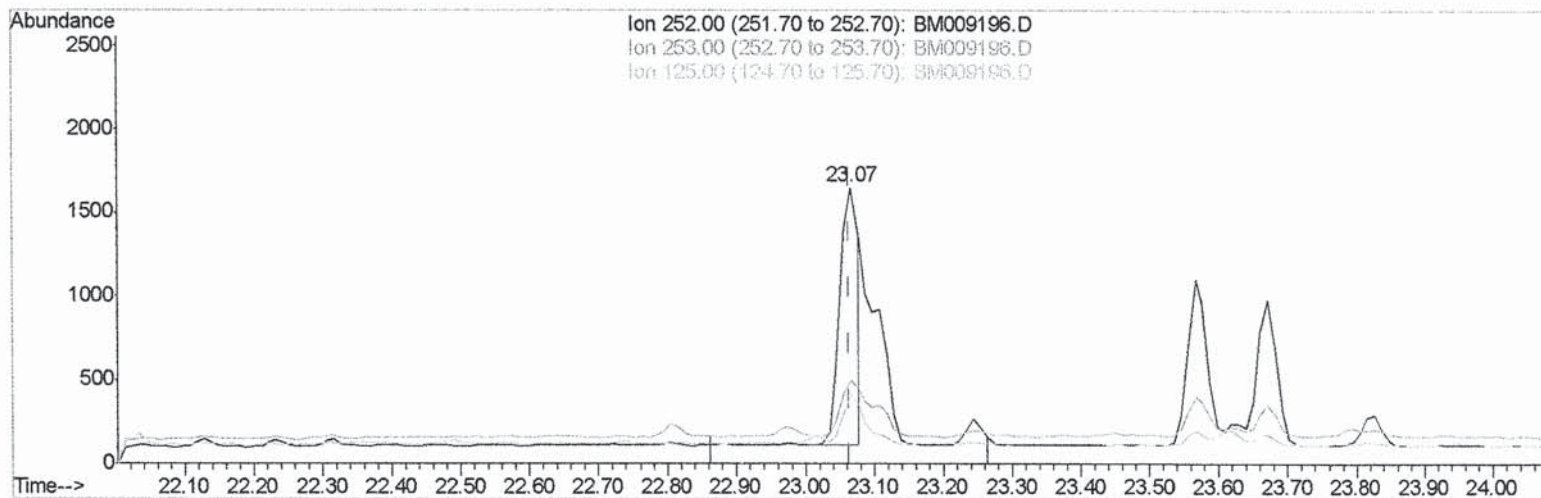
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.066min (-0.000) 0.60ng/ui

response 2893

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	30.68
125.00	17.50	25.33
0.00	0.00	0.00

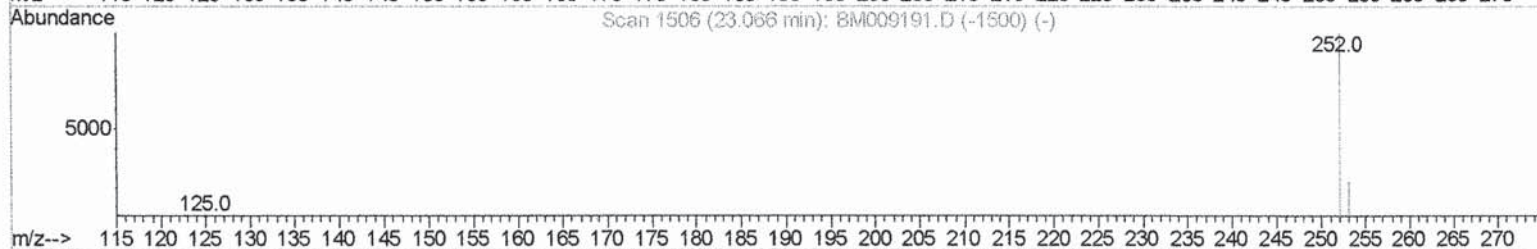
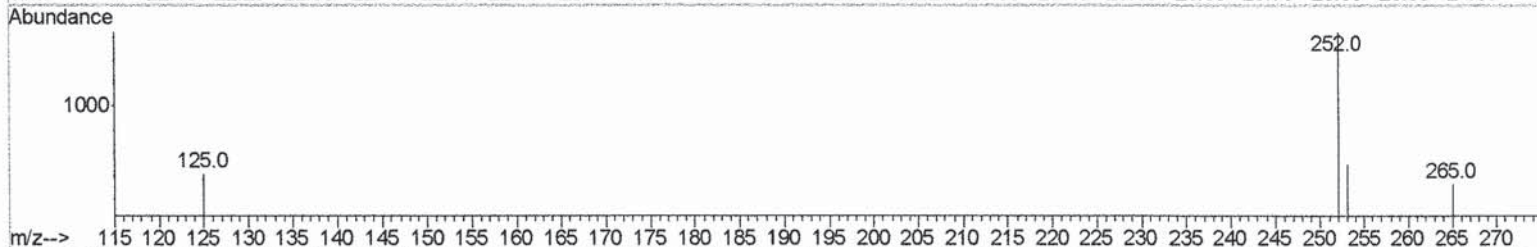
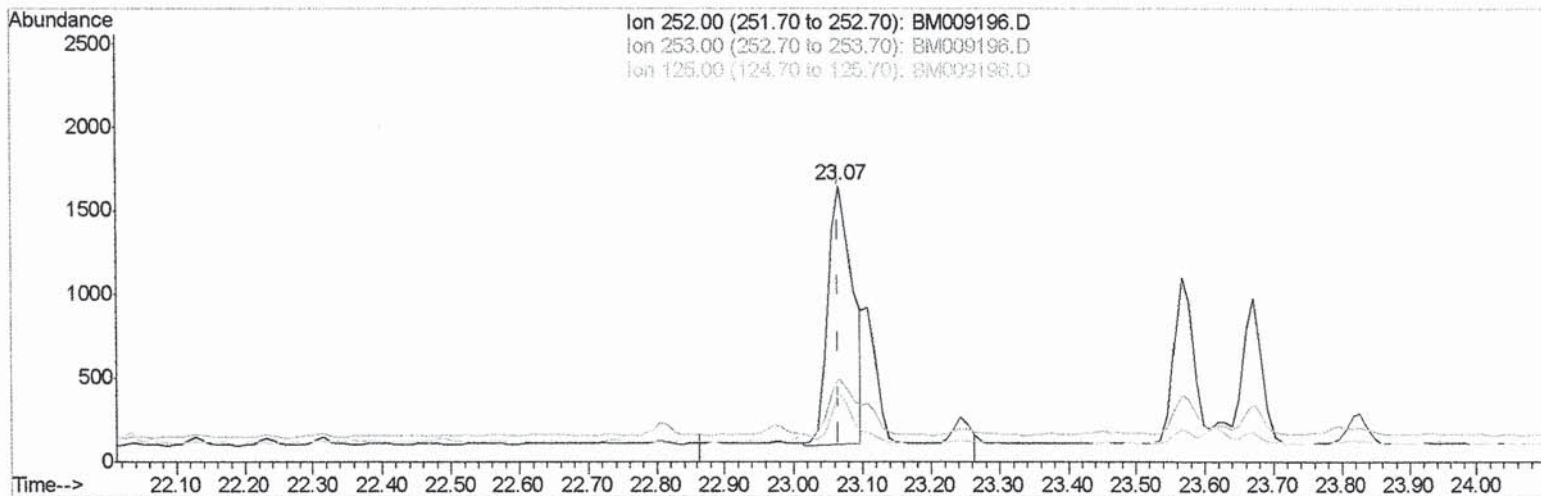
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



TIC: BM009196.D

(21) Benzo(b)fluoranthene

23.066min (-0.000) 0.82ng/ul m

response 3995

Ion	Exp%	Act%
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252.00	100	100
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253.00	32.10	30.68
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125.00	17.50	25.33
--------	-------	-------

0.00	0.00	0.00
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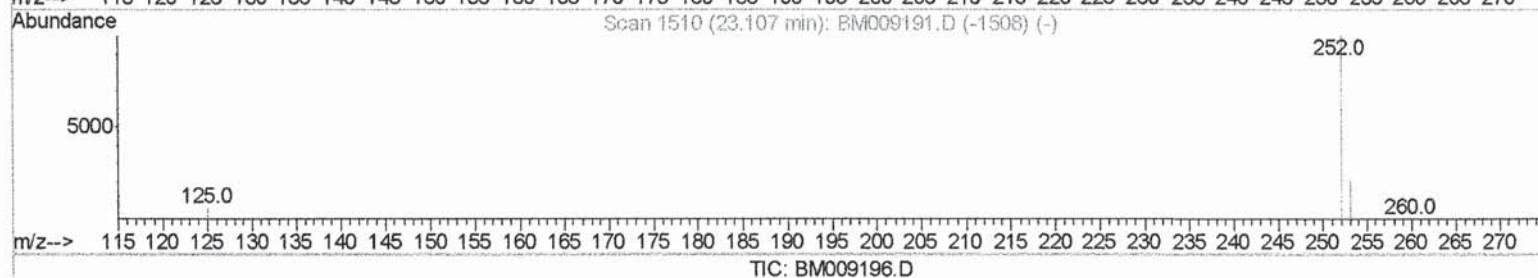
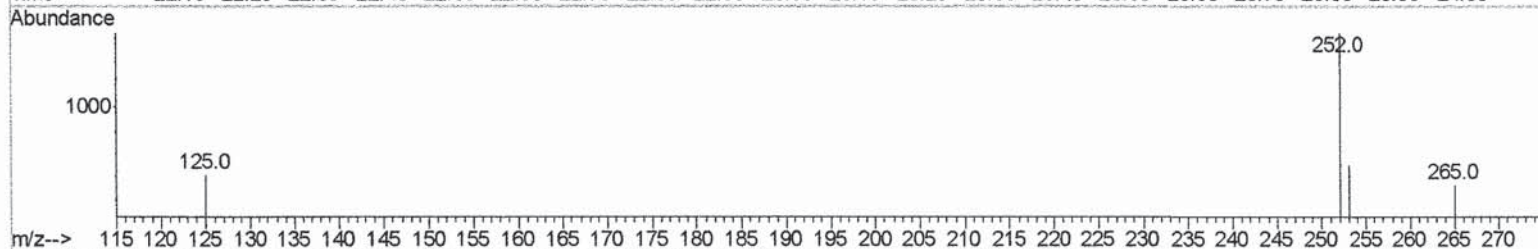
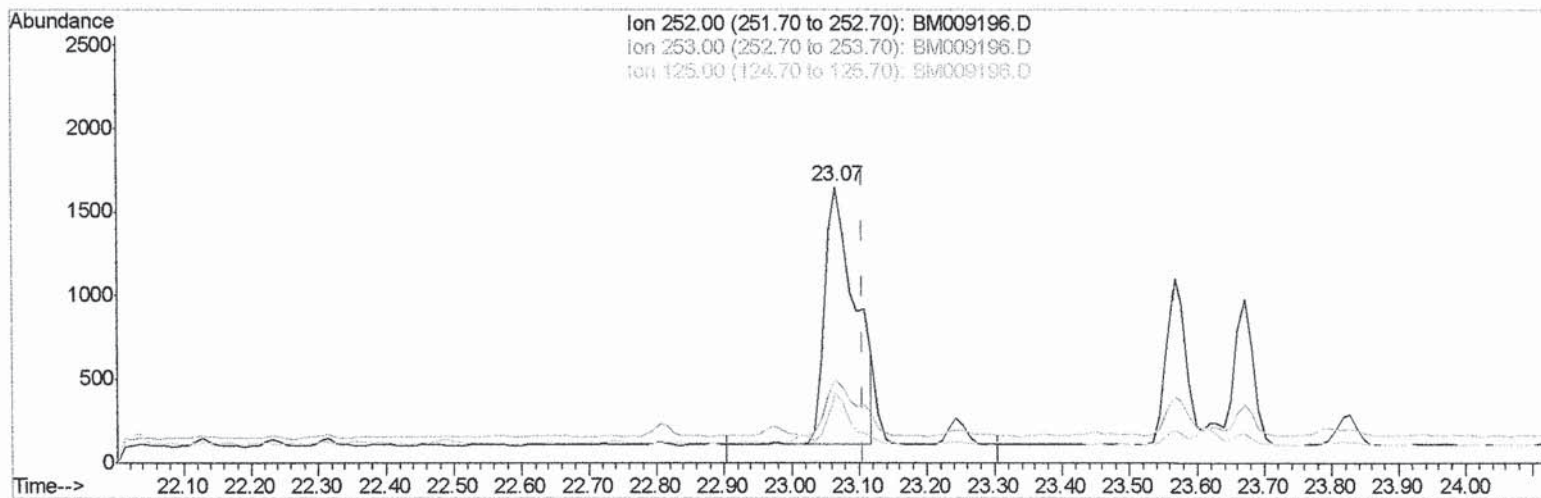
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene
23.066min (-0.042) 1.11ng/ul
response 4790

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.68
125.00	17.10	25.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

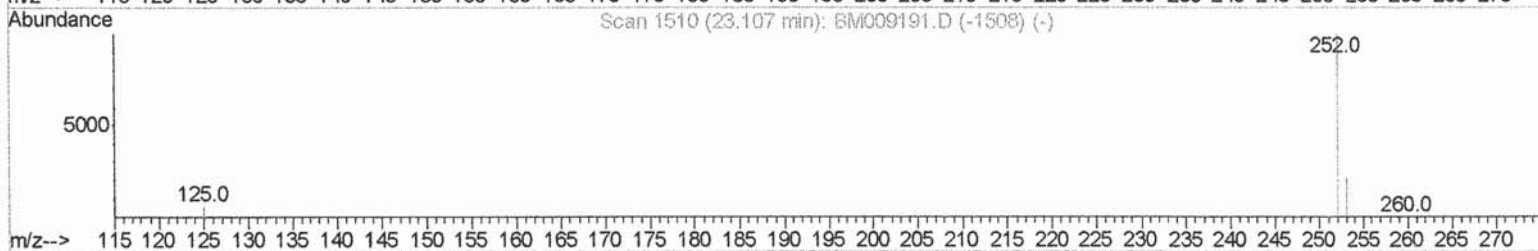
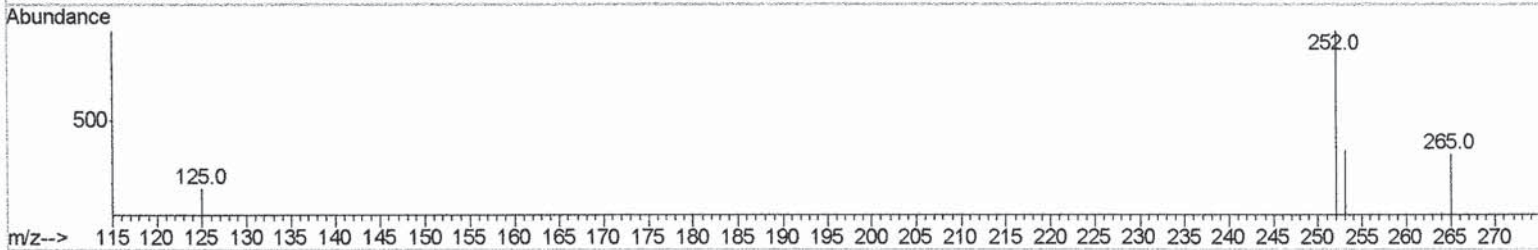
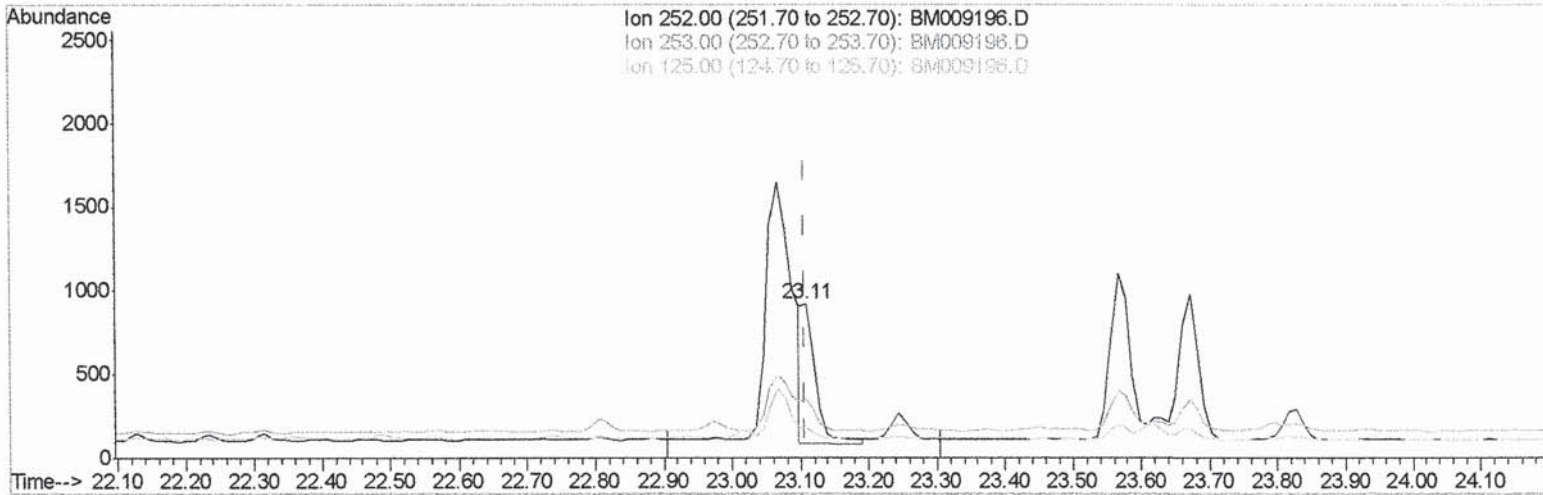
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
 Response via : Initial Calibration



TIC: BM009196.D

(22) Benzo(k)fluoranthene

23.107min (-0.000) 0.26ng/ul m

response 1137

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	38.50#
125.00	17.10	19.30
0.00	0.00	0.00

SJ
 03/13/17

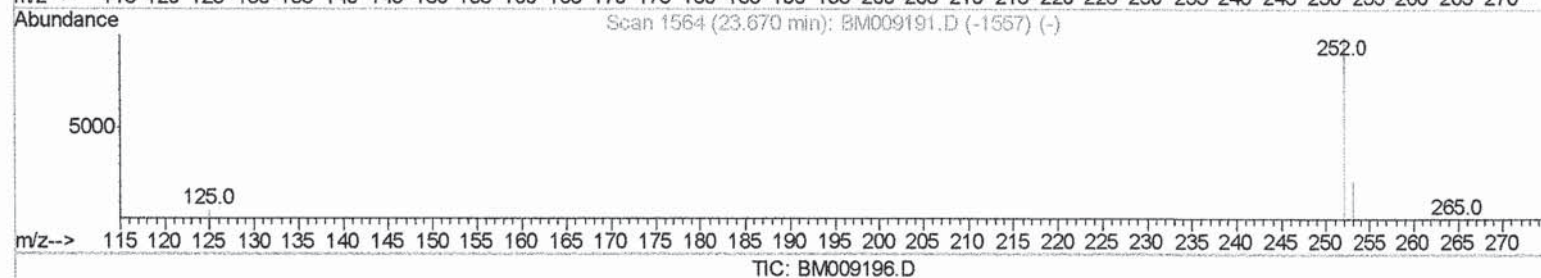
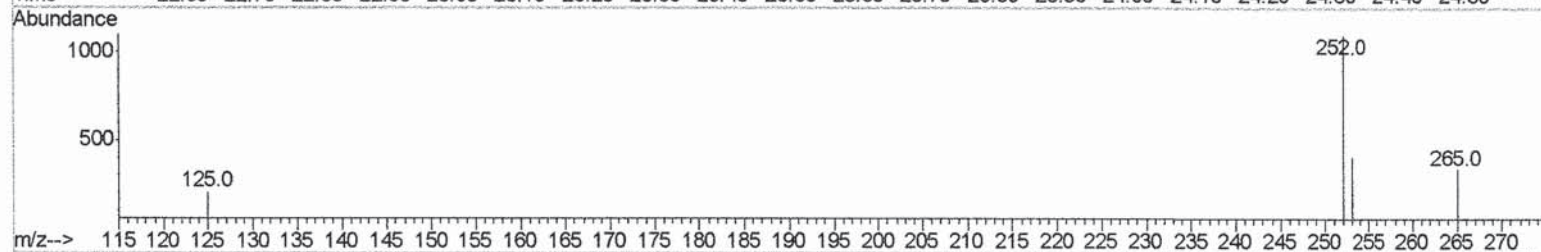
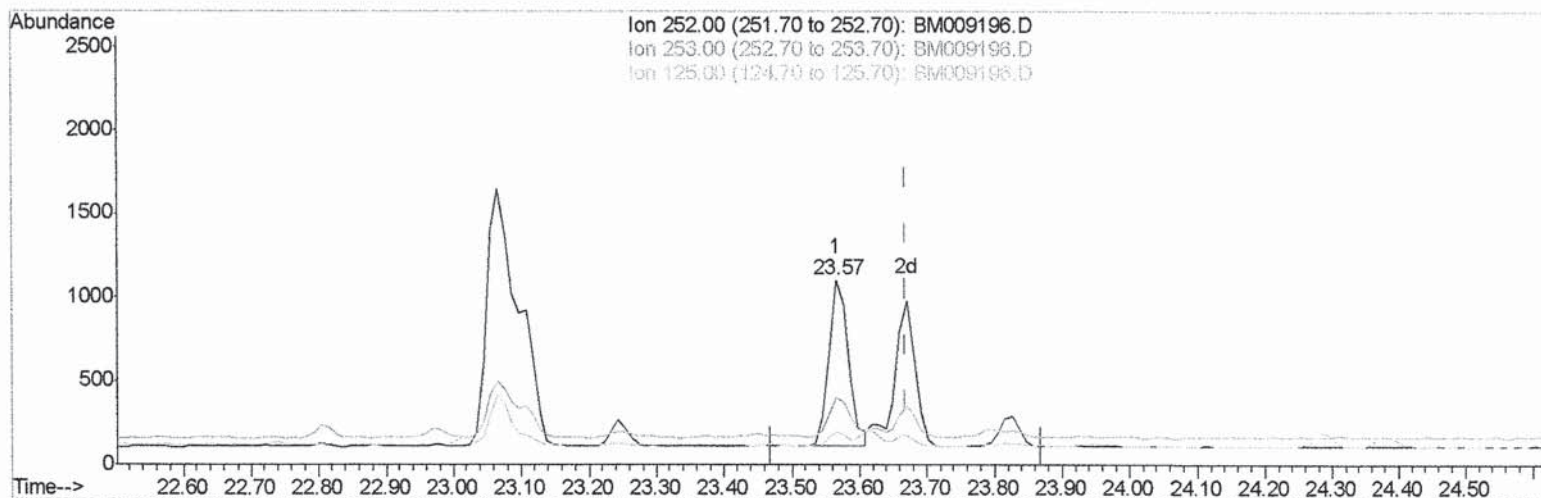
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.566min (-0.104) 0.46ng/ul

response 2000

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	37.00
125.00	22.60	18.27
0.00	0.00	0.00

Quantitation Report (Qedit)

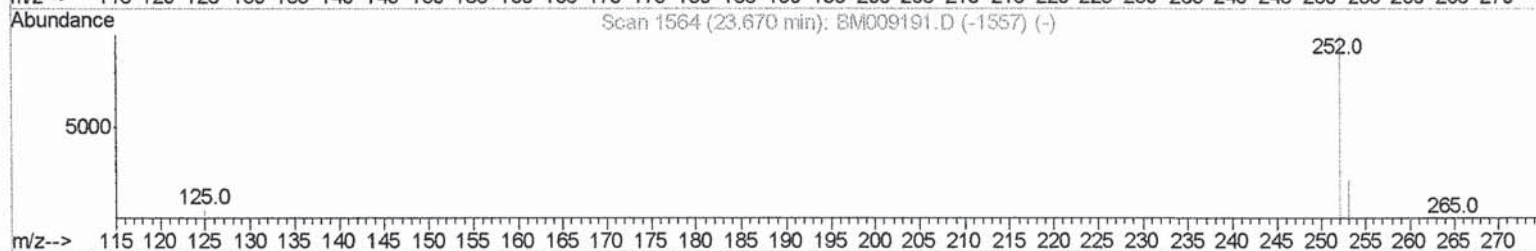
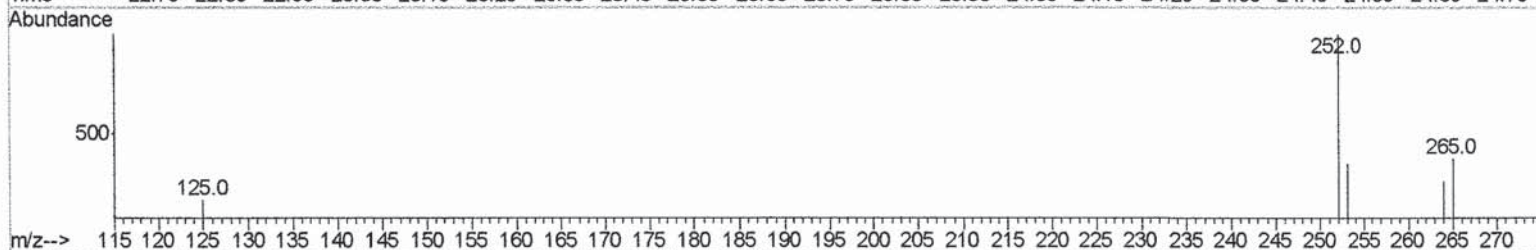
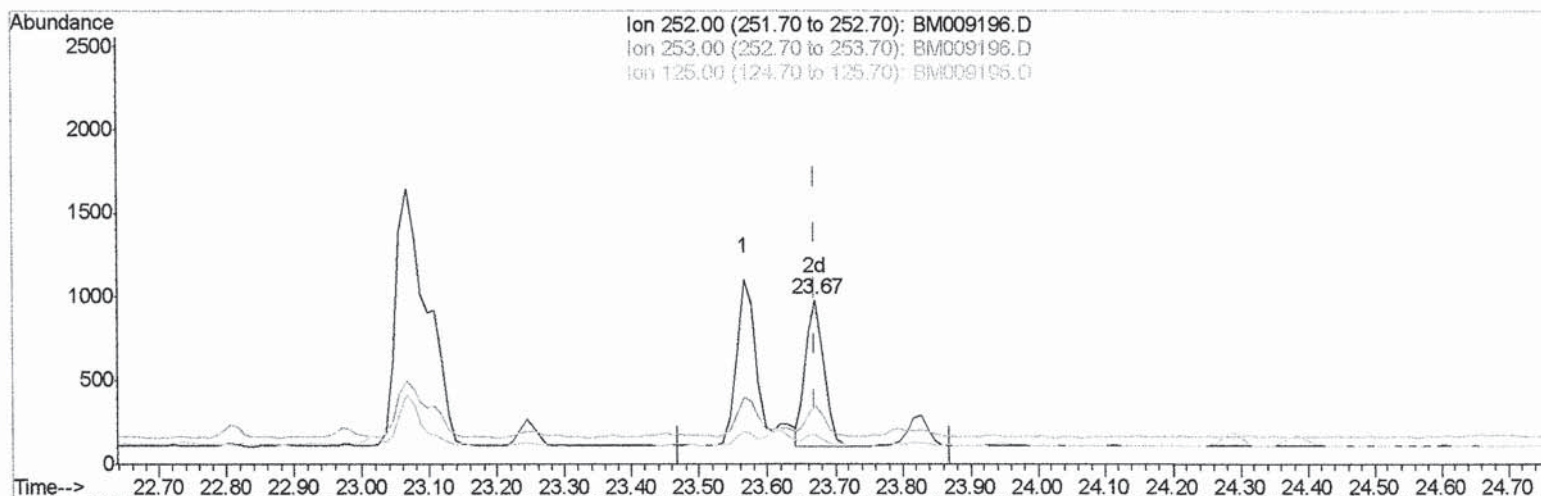
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
 Response via : Initial Calibration



TIC: BM009196.D

(23) Benzo(a)pyrene (C)

23.670min (-0.000) 0.39ng/ul m

response 1714

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	36.15
125.00	22.60	18.02#
0.00	0.00	0.00

> $\frac{57}{03/13/17}$

Quantitation Report (Qedit)

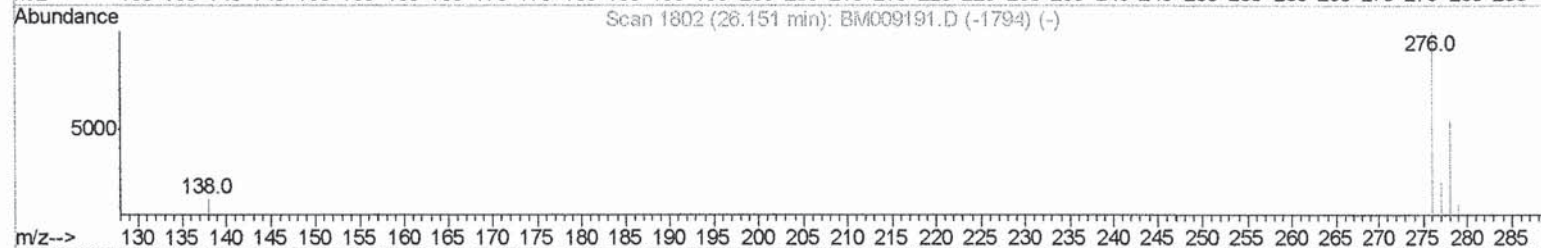
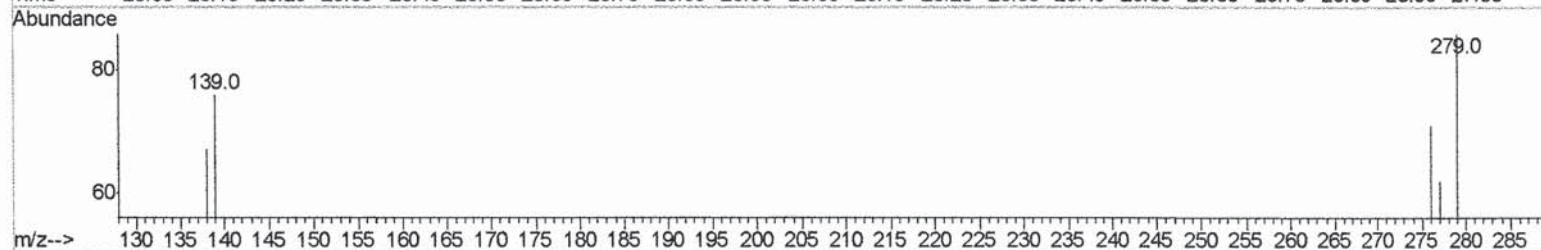
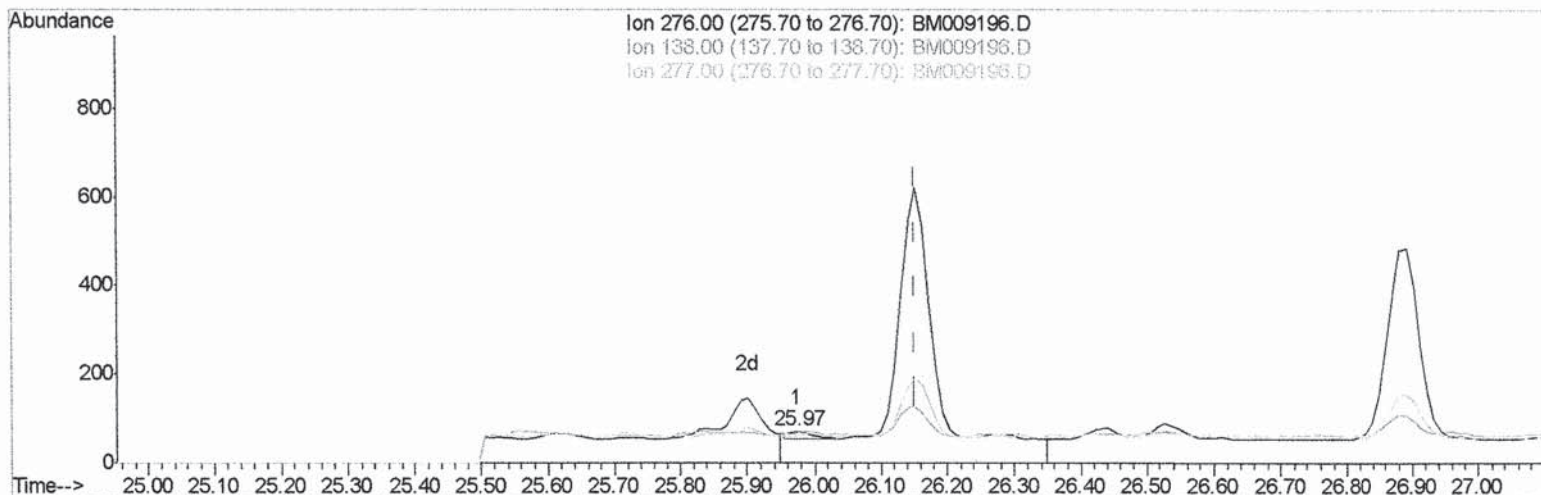
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
 Response via : Initial Calibration



TIC: BM009196.D

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

25.974min (-0.177) 0.01ng/ul

response 38

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	73.68#
277.00	24.50	23.68
0.00	0.00	0.00

Quantitation Report (Qedit)

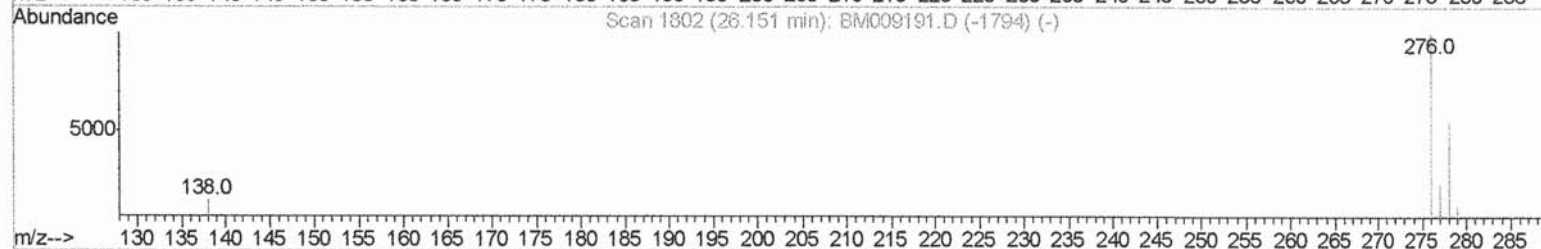
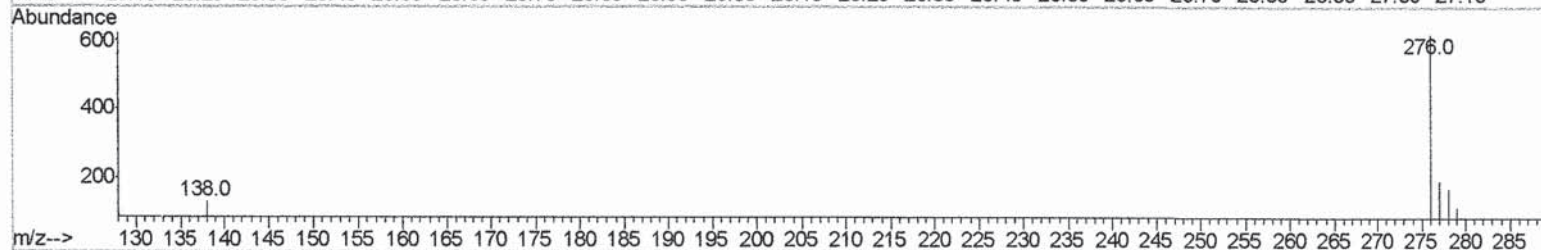
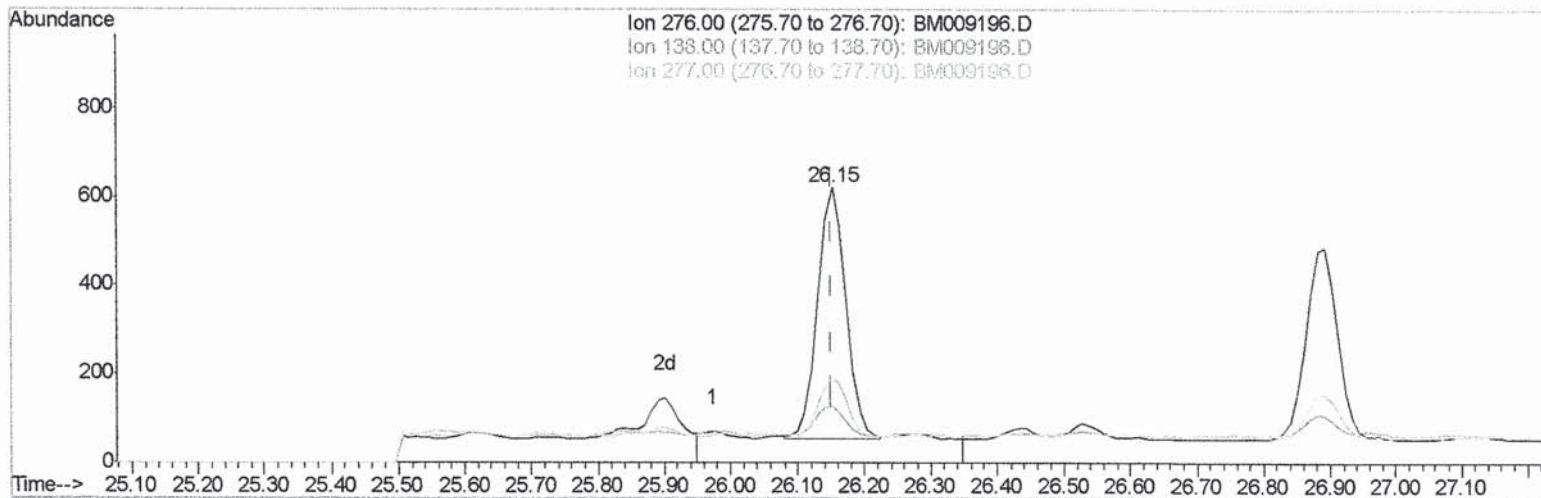
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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: BM009196.D

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

26.151min (-0.000) 0.30ng/ul m

response 1654

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	1.69#
277.00	24.50	0.54#
0.00	0.00	0.00

> $\frac{53}{03113117}$

Quantitation Report (Qedit)

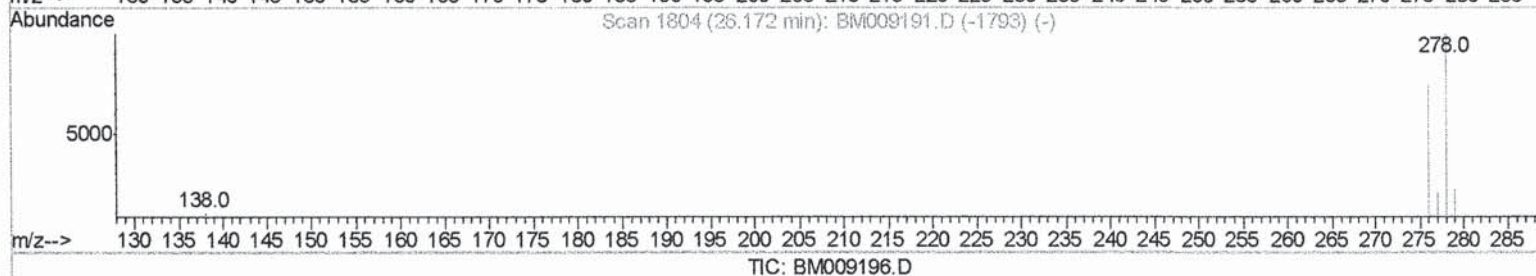
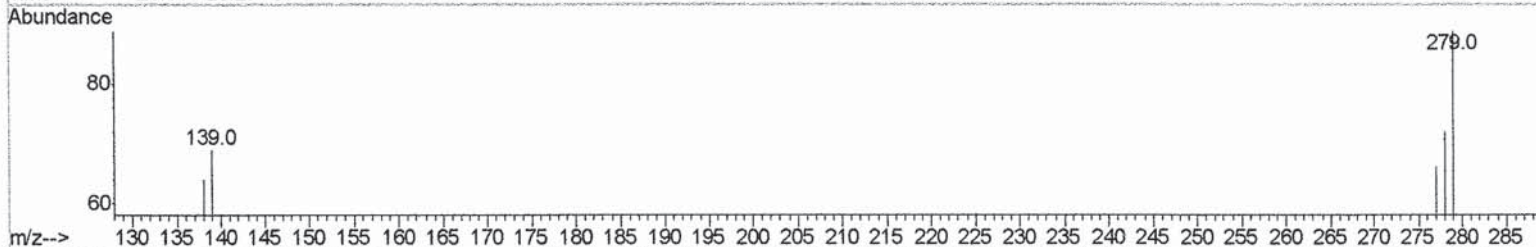
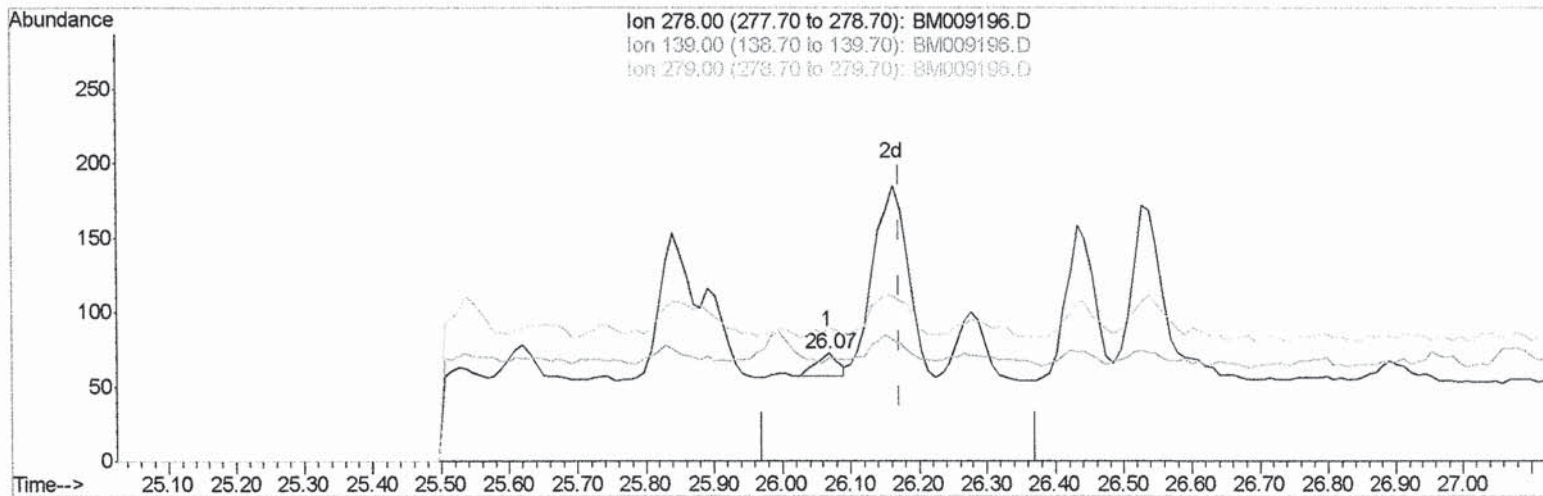
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.068min (-0.104) 0.01ng/ul

response 34

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	95.83#
279.00	32.40	123.61#
0.00	0.00	0.00

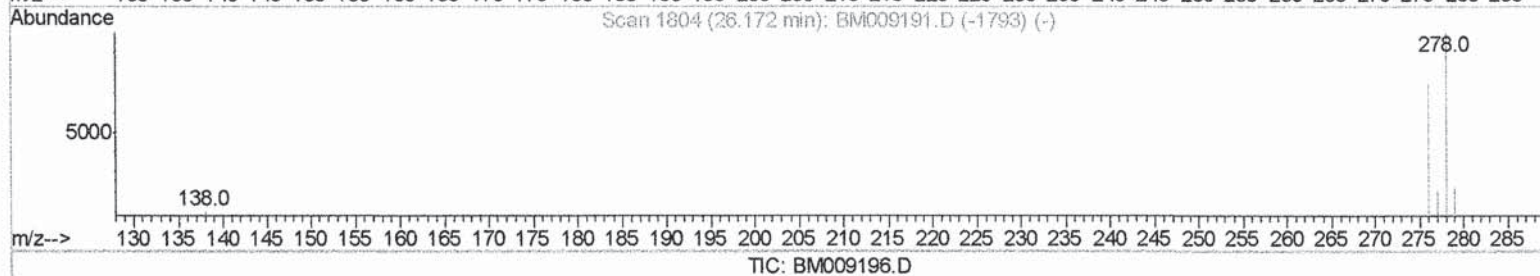
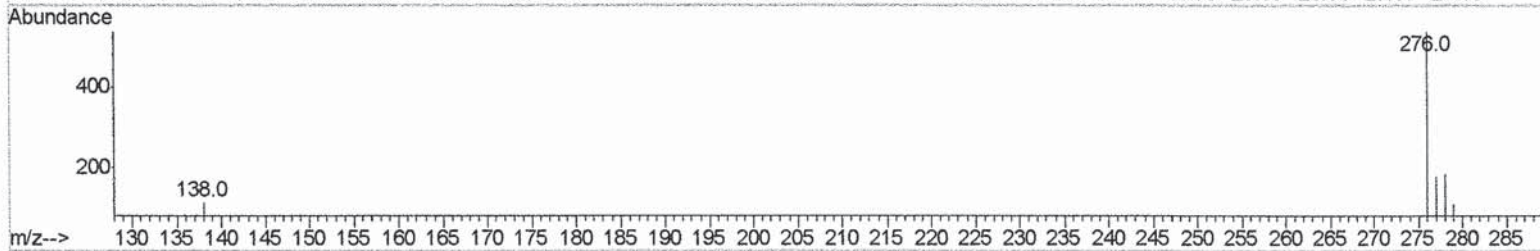
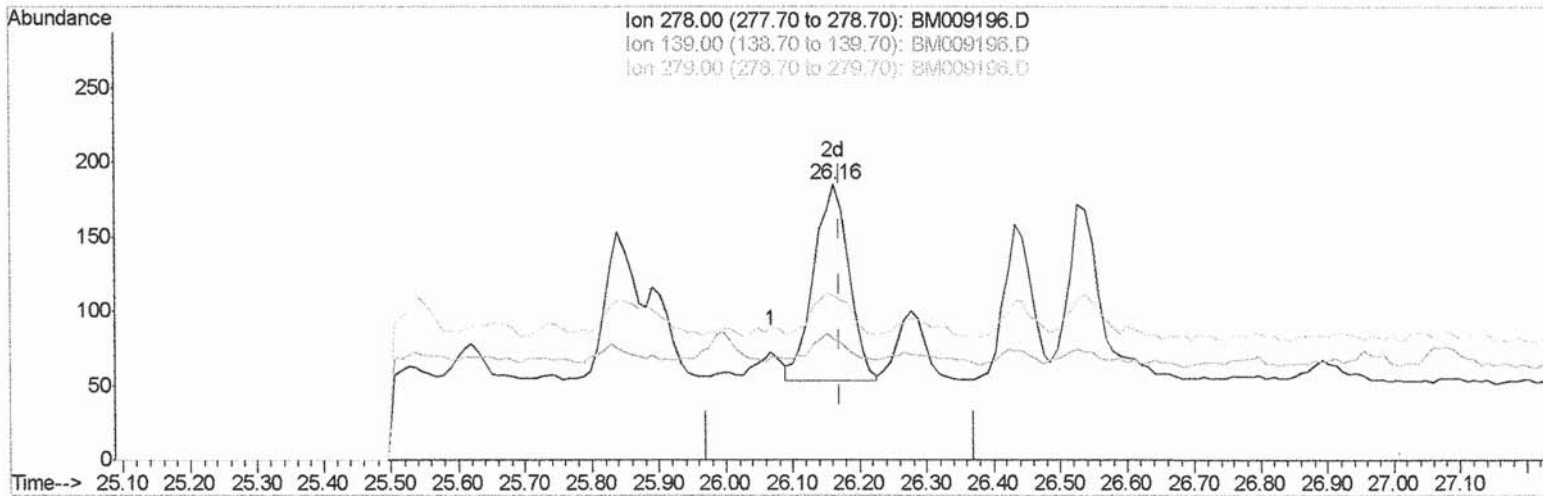
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.162min (-0.010) 0.10ng/ul m

response 483

Ion Exp% Act%

278.00 100 100

139.00 21.70 44.32#

279.00 32.40 60.00#

0.00 0.00 0.00

> $\frac{SJ}{03113117}$

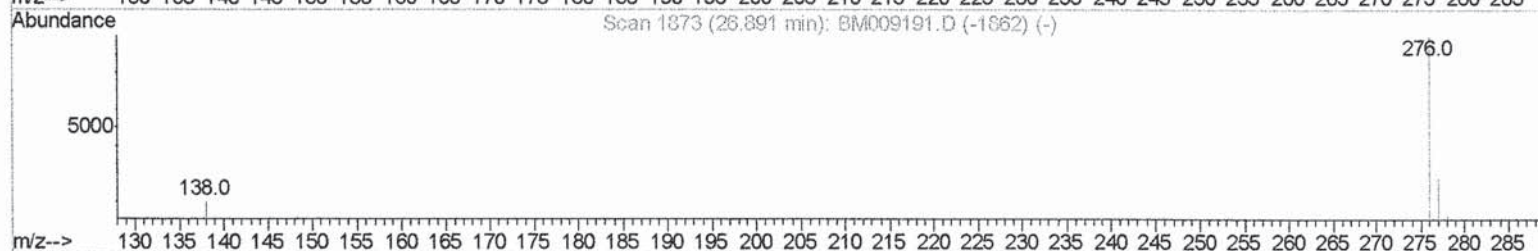
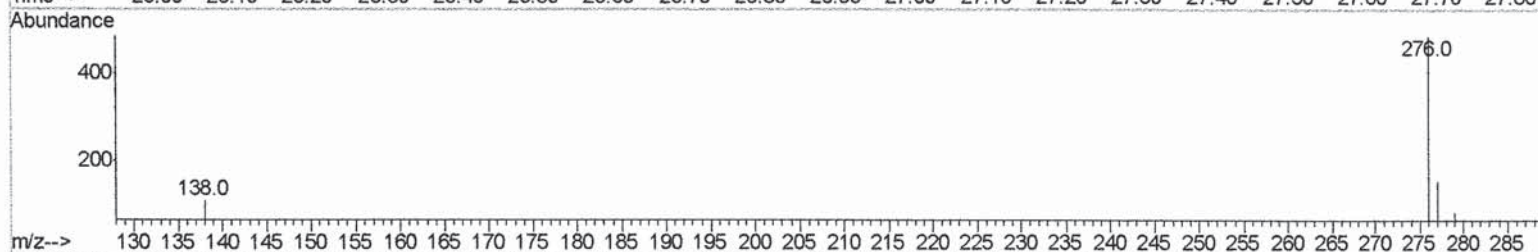
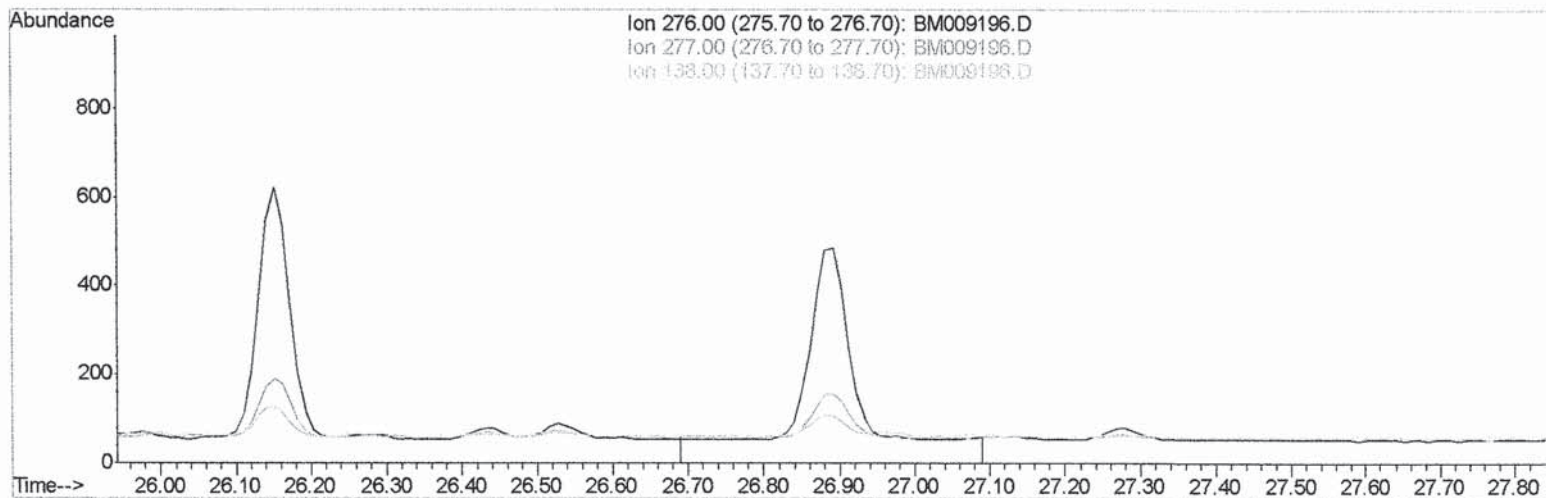
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
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mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



TIC: BM009196.D

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

26.891min (-26.891) 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

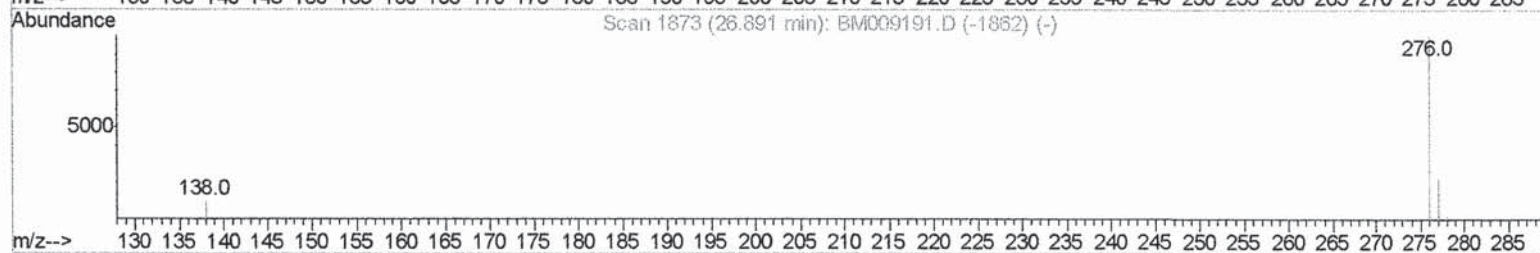
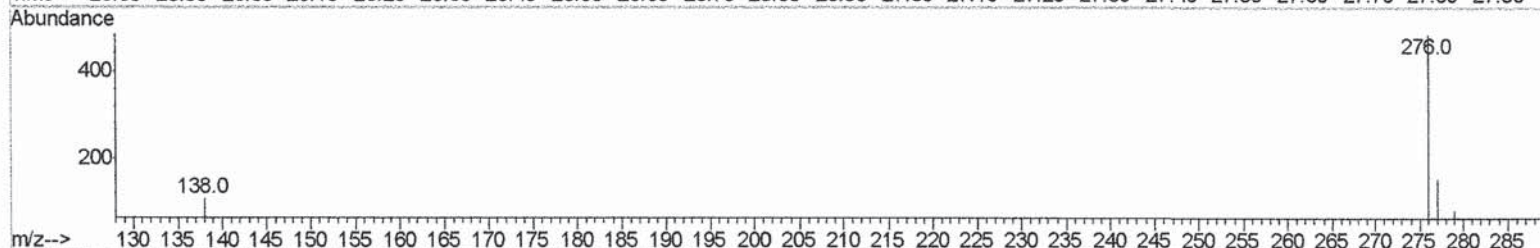
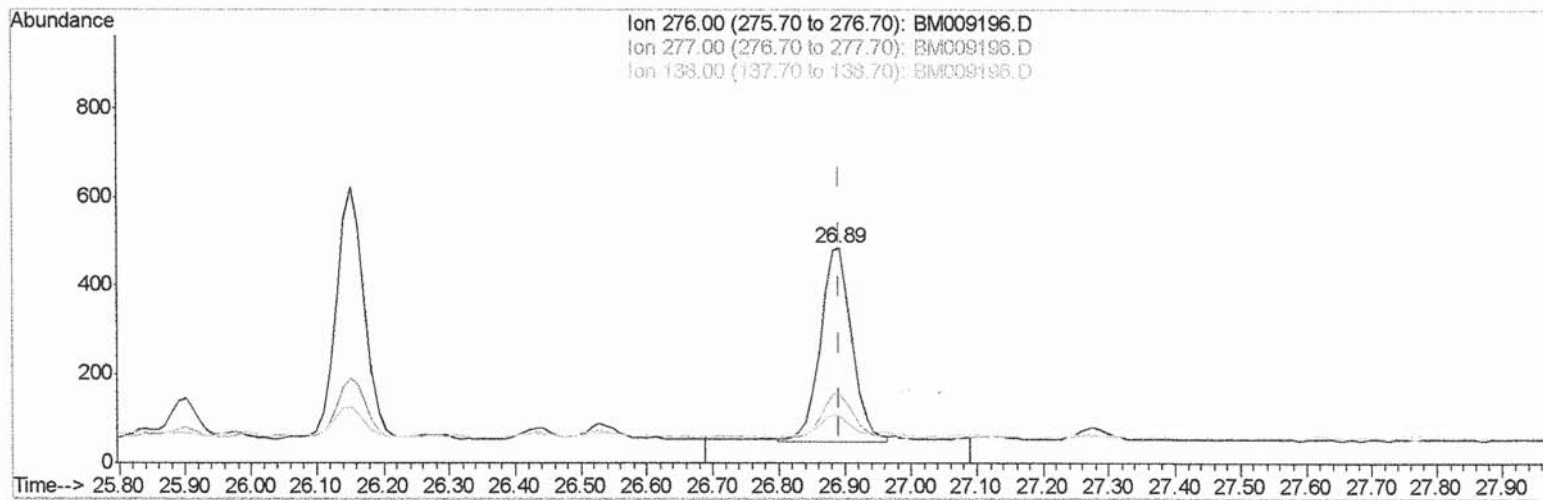
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

mohammad
3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:28:28 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 02:23:19 2017
Response via : Initial Calibration



TIC: BM009196.D

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

26.891min (-0.000) 0.31ng/ul m

response 1472

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	32.16
138.00	25.60	22.27
0.00	0.00	0.00

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03/13/17

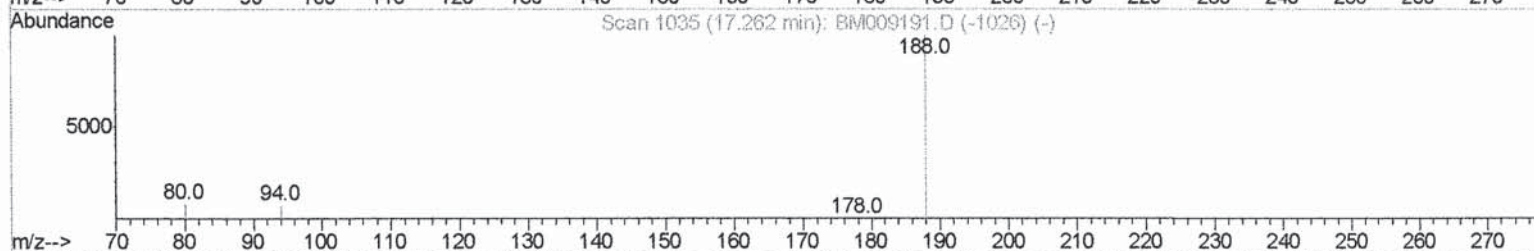
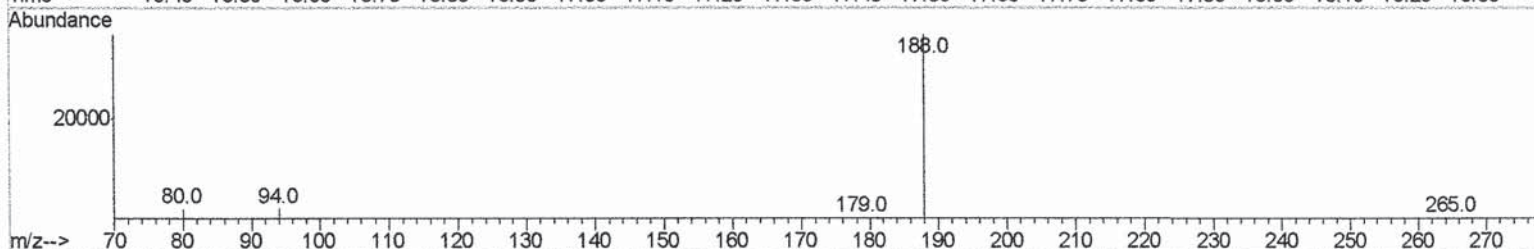
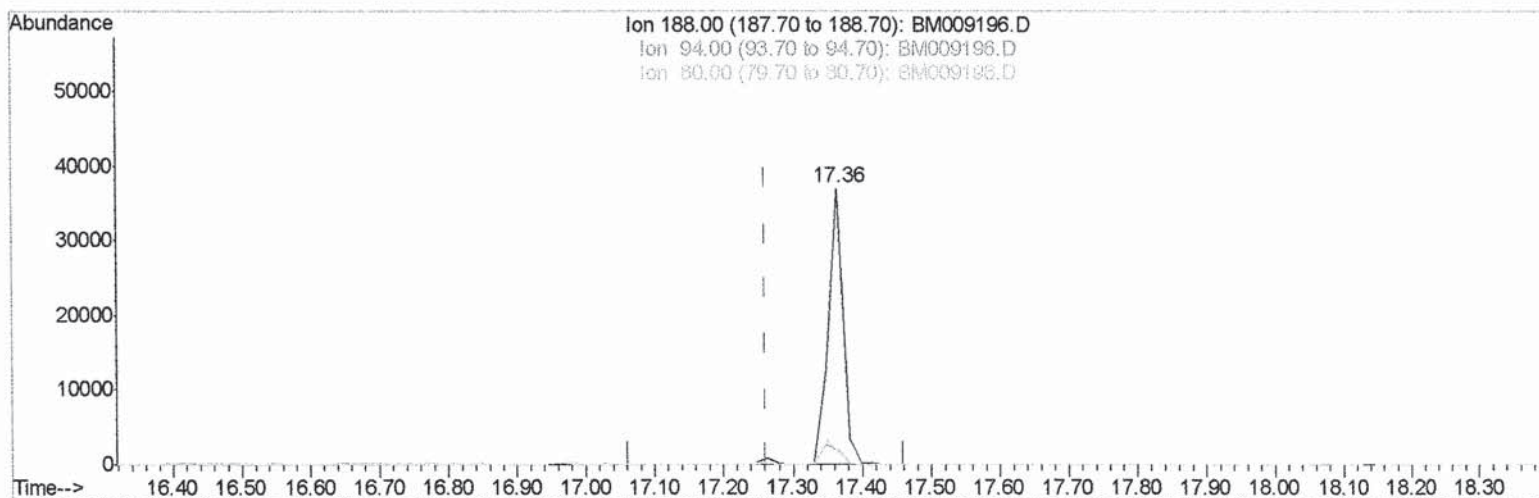
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009196.D
Acq On : 11 Mar 2017 03:43
Operator : SJ/MA
Sample : I2072-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK1

Manual Integrations
APPROVED

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3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:26:24 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 02:23:19 2017
Response via : Initial Calibration



TIC: BM009196.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 54379

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.45#
80.00	11.80	5.02#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009196.D
 Acq On : 11 Mar 2017 03:43
 Operator : SJ/MA
 Sample : I2072-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK1

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:15:20 PM

Quant Time: Mar 11 04:30:36 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 02:23:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	225	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	752	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	437	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1042m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1144	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1237m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	260	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	690	0.21	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.73	128	472	0.22	ng/ul#	75
5) 2-Methylnaphthalene	12.34	142	314	0.20	ng/ul	99
12) Phenanthrene	17.30	178	3671	1.12	ng/ul	98
13) Anthracene	17.40	178	298	0.09	ng/ul#	63
15) Fluoranthene	19.33	202	5179	1.21	ng/ul	93
17) Pyrene	19.69	202	6675	1.70	ng/ul	96
18) Benzo(a)anthracene	21.42	228	2650	0.70	ng/ul	96
19) Chrysene	21.47	228	3100m	0.86	ng/ul	
21) Benzo(b)fluoranthene	23.07	252	3995m	0.82	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	1137m	0.26	ng/ul	
23) Benzo(a)pyrene	23.67	252	1714m	0.39	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	1654m	0.30	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	483m	0.10	ng/ul	
26) Benzo(a,h,i)perylene	26.89	276	1472m	0.31	ng/ul	

SJ
 03/13/17

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 03/13/17

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