

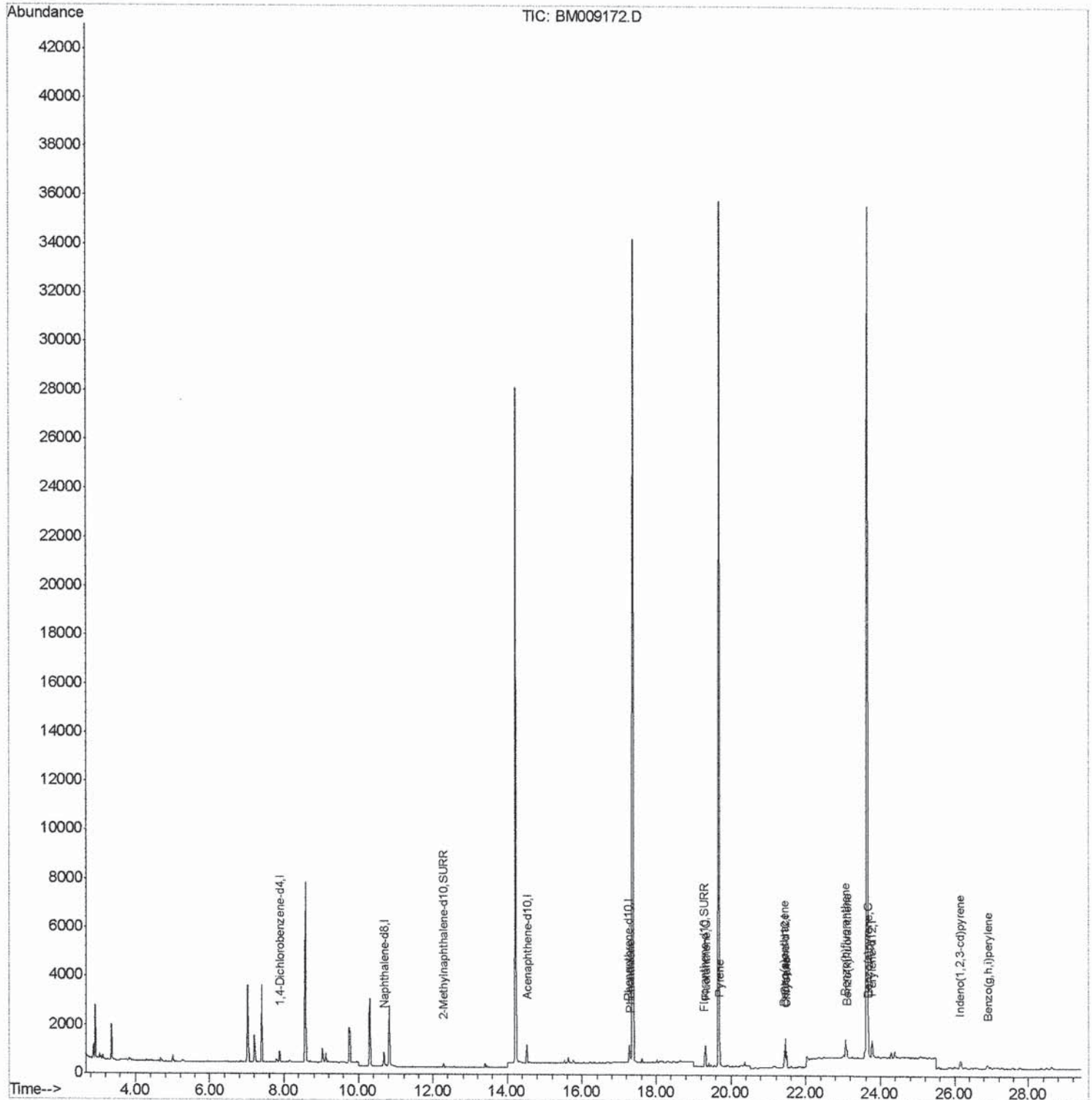
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:42:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



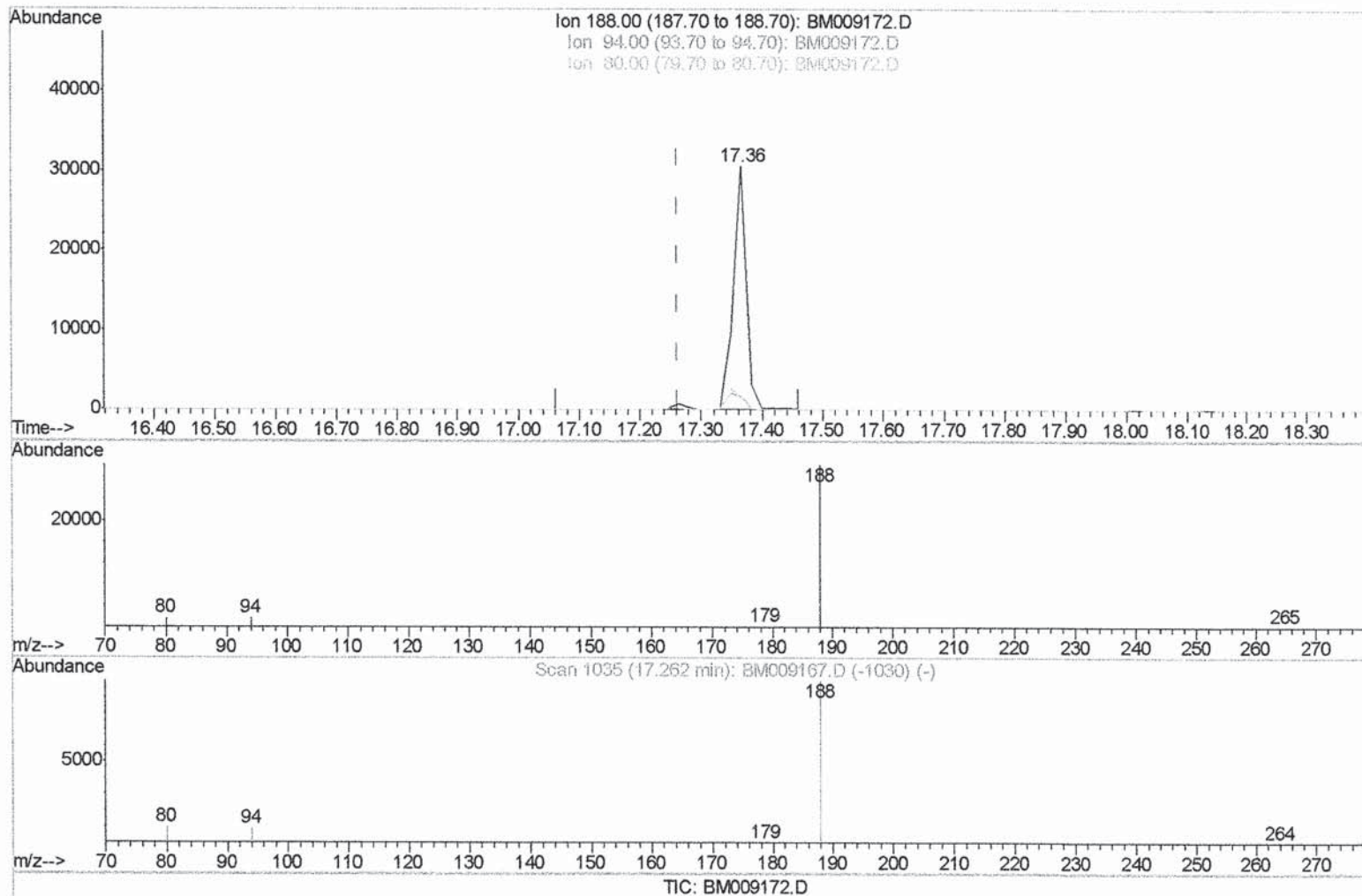
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:38:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



(10) Phenanthrene-d10 (i)

17.365min (+0.103) 0.40ng/ul

response 44657

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.55#
80.00	11.80	5.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

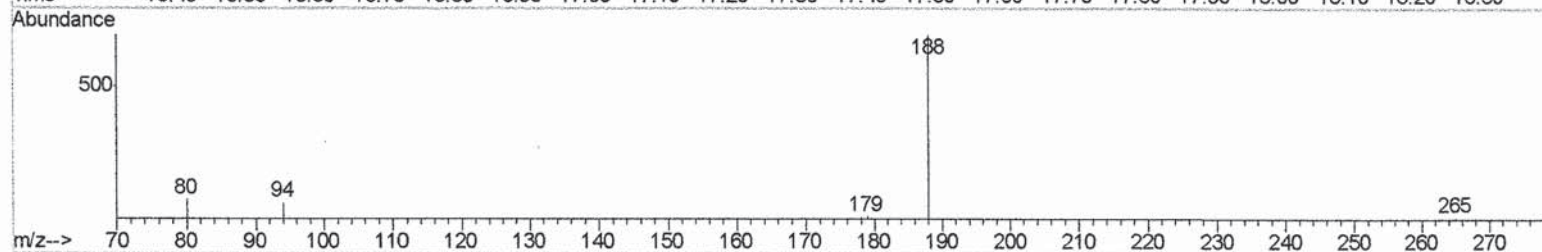
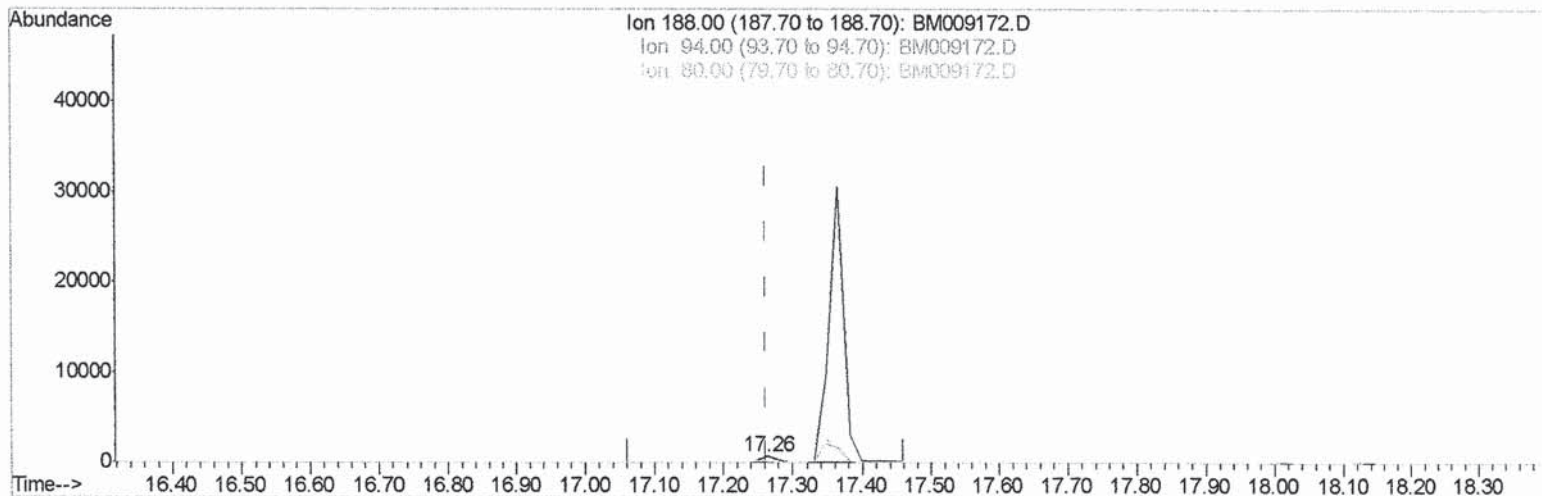
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009172.D
 Acq On : 10 Mar 2017 12:47
 Operator : SJ/MA
 Sample : I2107-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ8

Manual Integrations
 APPROVED

mohammad
 3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:38:08 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 10 15:19:24 2017
 Response via : Initial Calibration



TIC: BM009172.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

response 946

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.92#
80.00	11.80	16.25#
0.00	0.00	0.00

SJ
 03/13/17

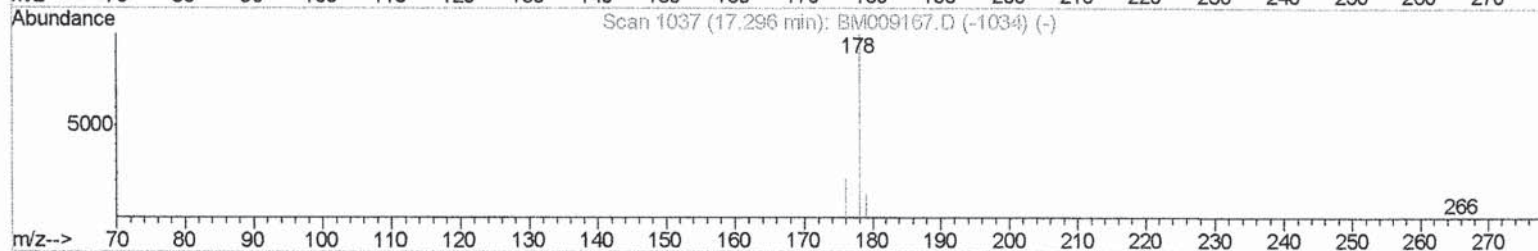
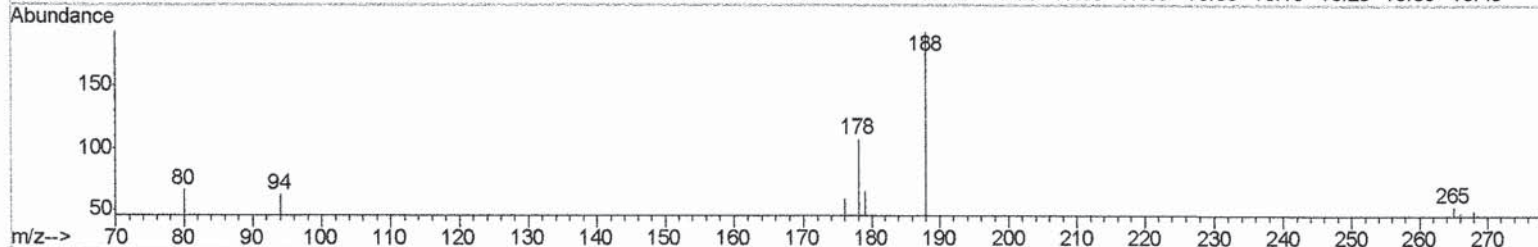
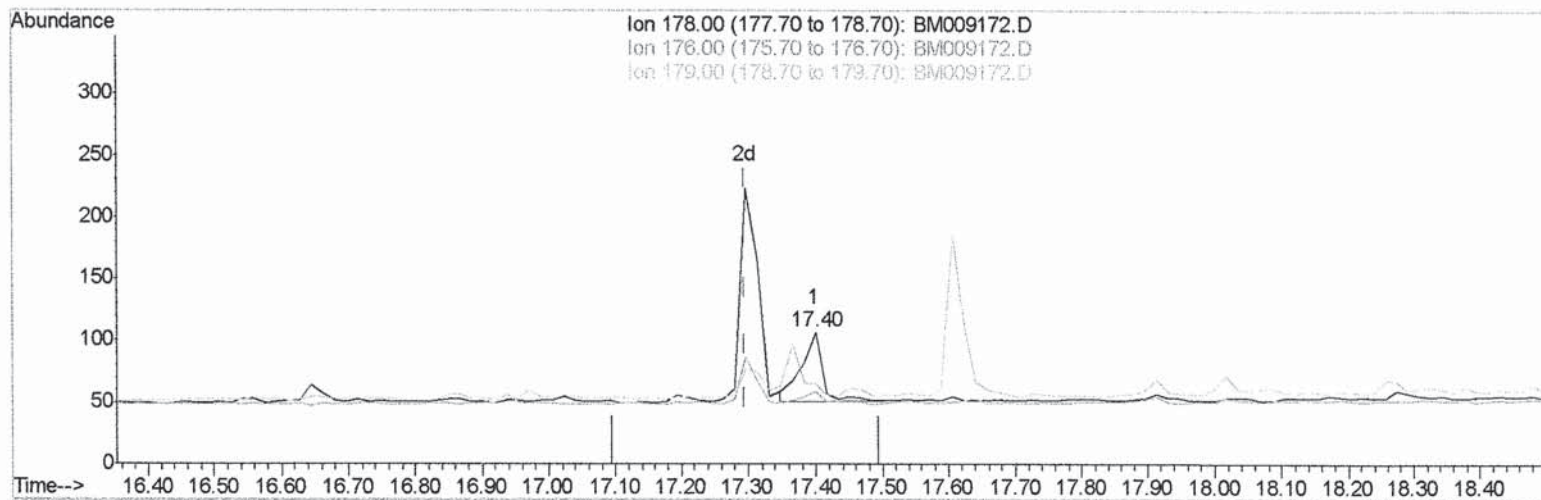
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:39:06 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(12) Phenanthrene

17.399min (+0.103) 0.04ng/ul

response 120

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	55.14#
179.00	17.00	60.75#
0.00	0.00	0.00

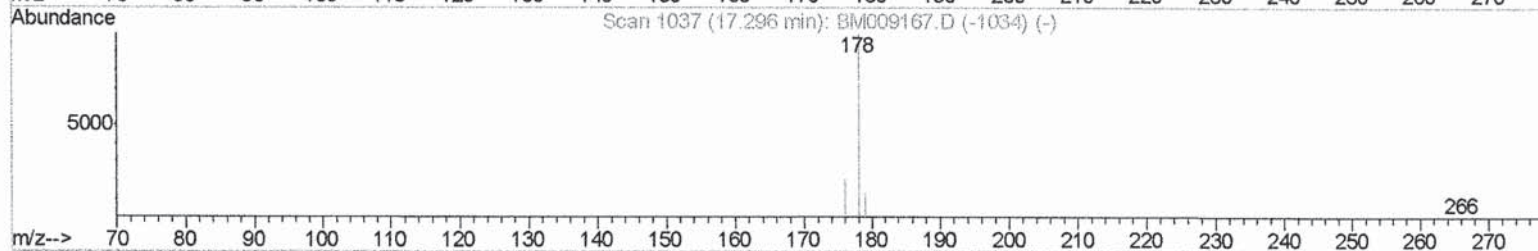
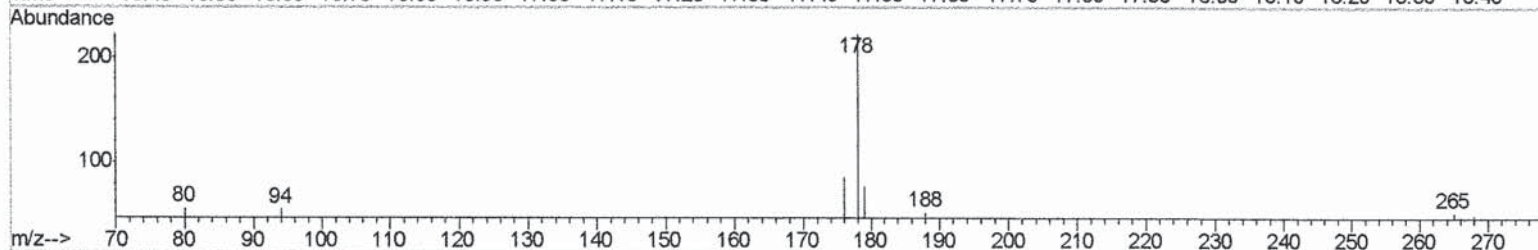
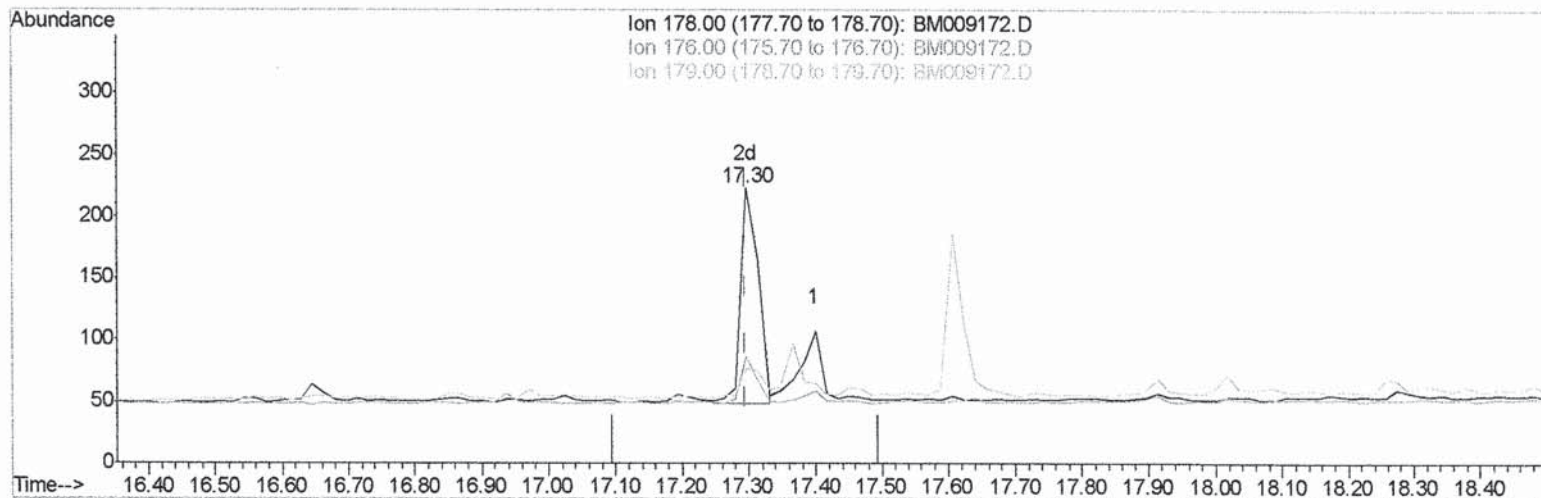
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:39:06 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(12) Phenanthrene

17.296min (+0.000) 0.11ng/ul m

response 320

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	38.57#
179.00	17.00	34.53#
0.00	0.00	0.00

SJ
03/13/17

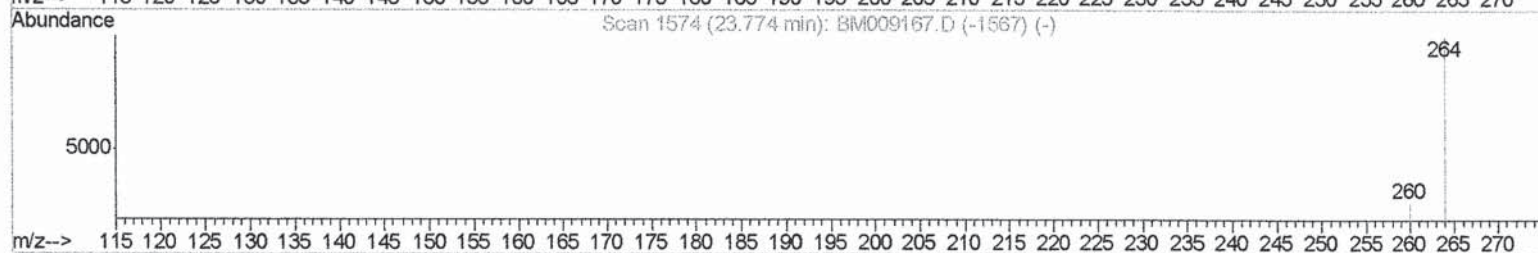
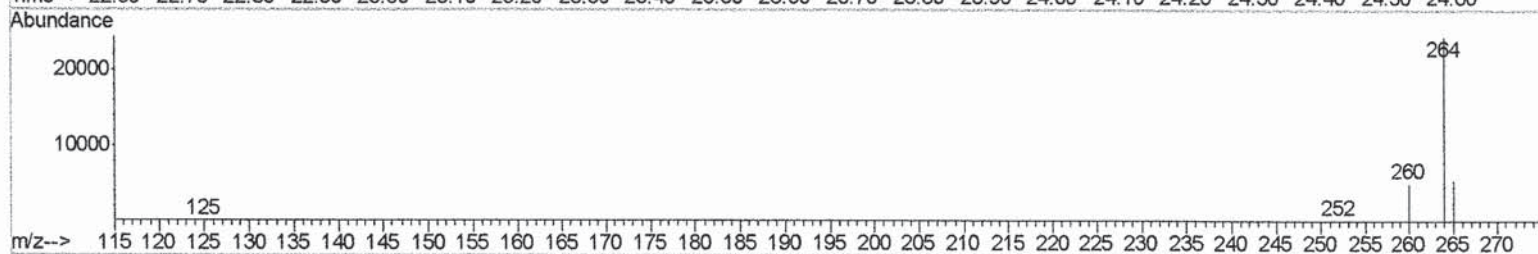
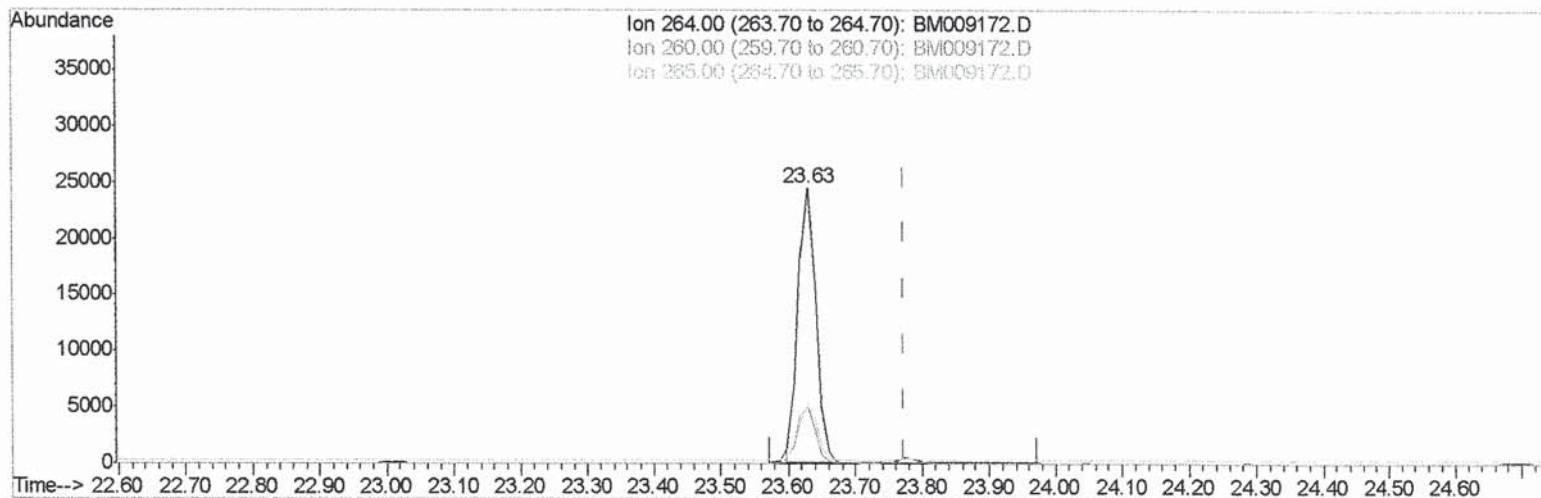
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

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Quant Time: Mar 10 15:39:06 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(20) Perylene-d12 (I)
23.629min (-0.146) 0.40ng/ul
response 44601

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.68#
265.00	103.50	22.47#
0.00	0.00	0.00

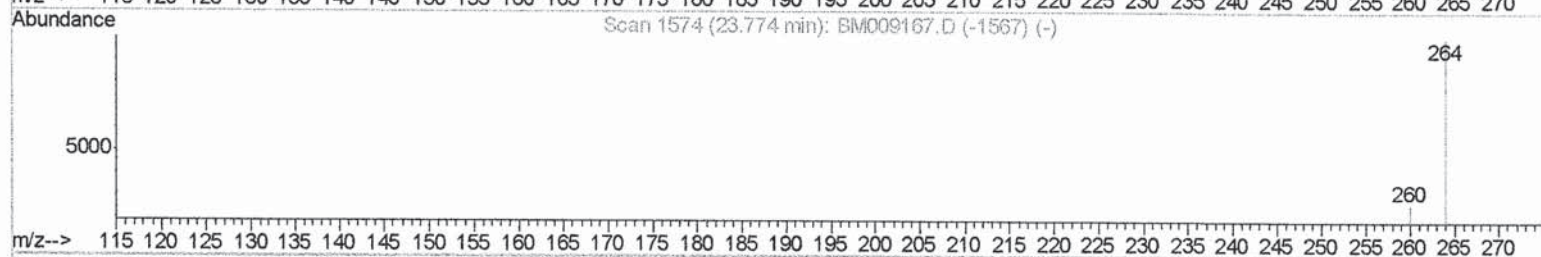
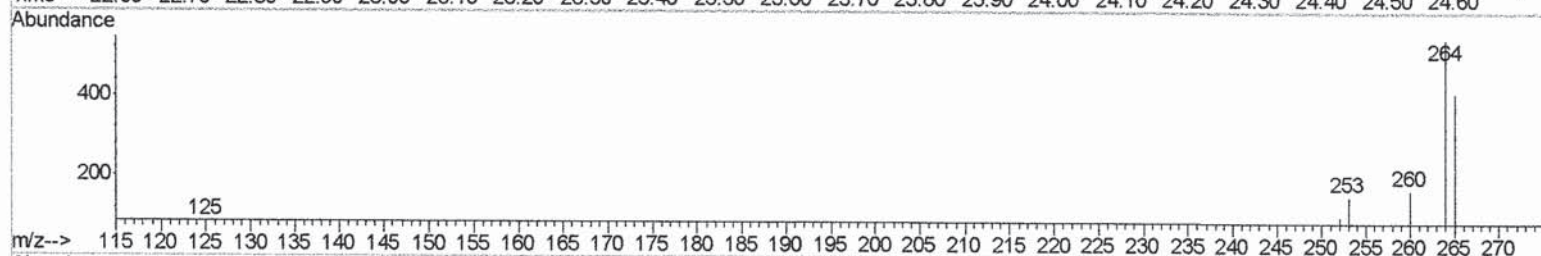
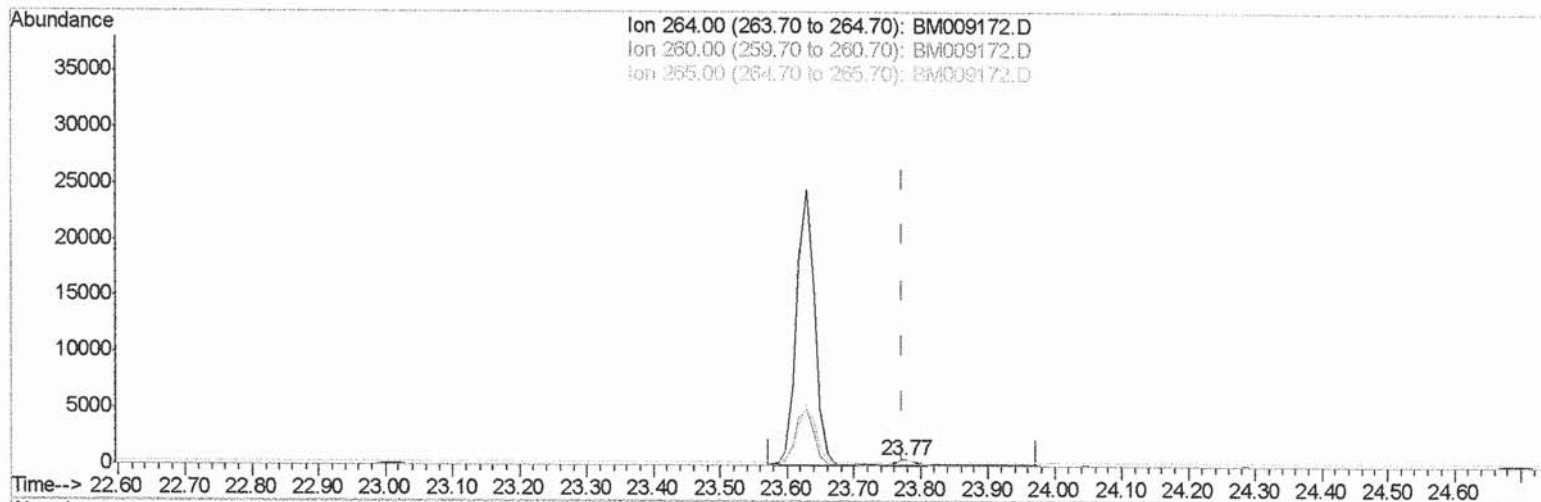
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:39:06 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(20) Perylene-d12 (I)

23.775min (+0.000) 0.40ng/ul m

response 913

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.32
265.00	103.50	75.46#
0.00	0.00	0.00

SJ
03/13/17

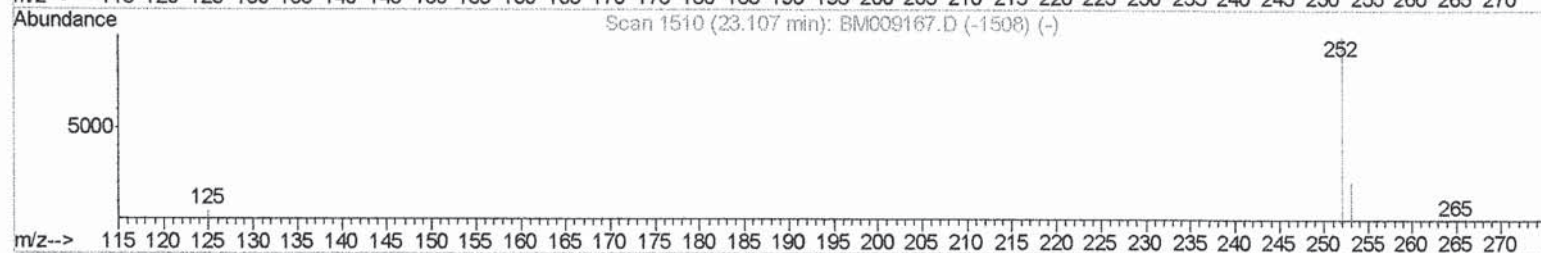
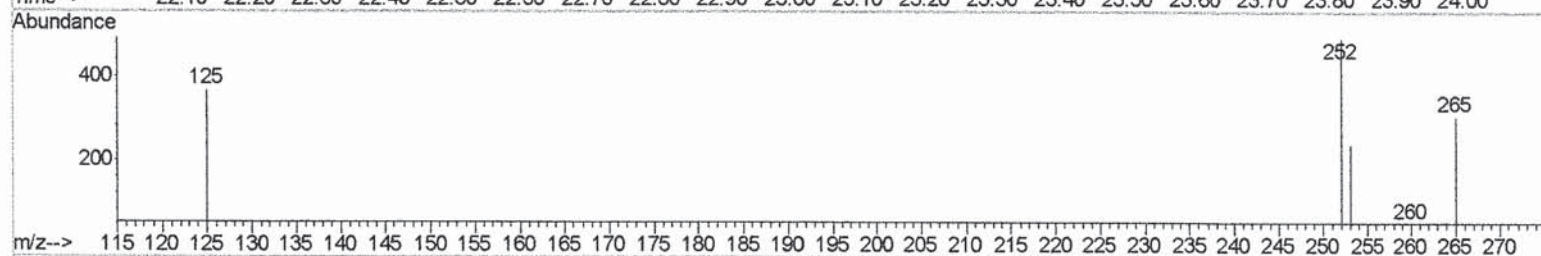
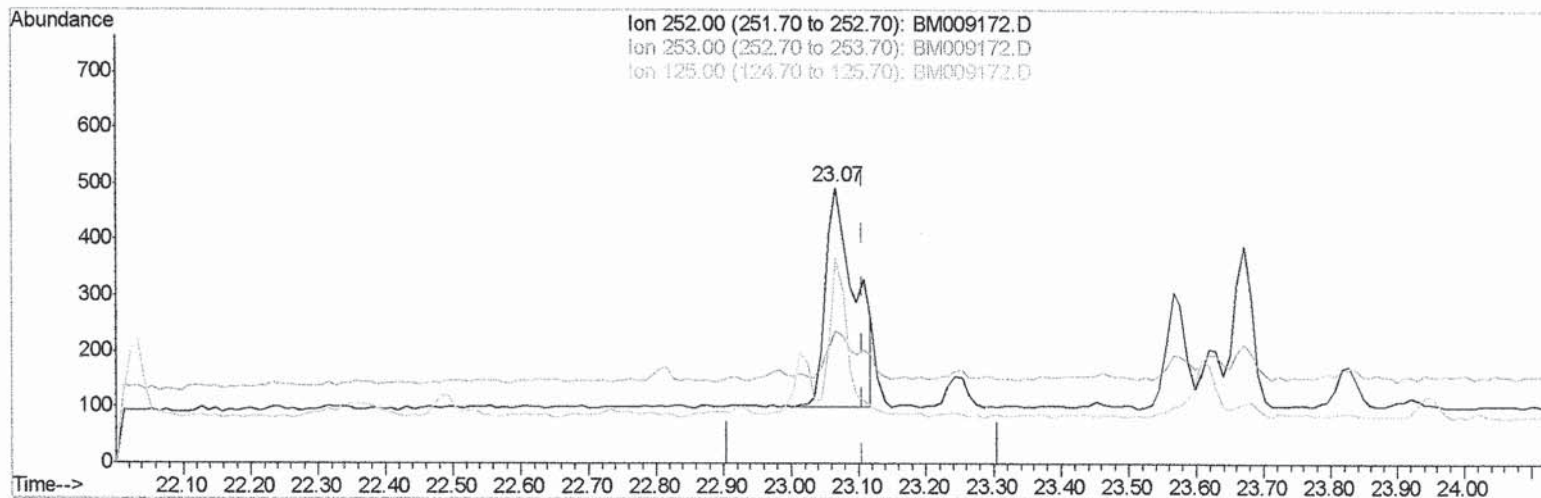
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(22) Benzo(k)fluoranthene

23.066min (-0.042) 0.38ng/ul

response 1202

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	48.28#
125.00	17.10	74.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

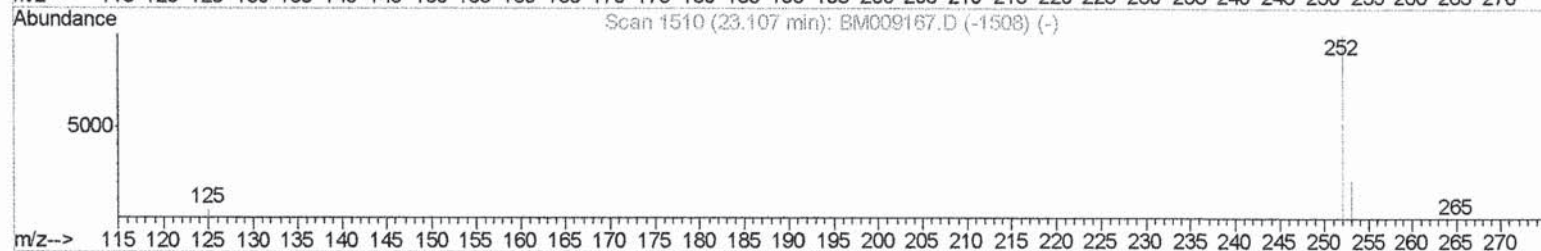
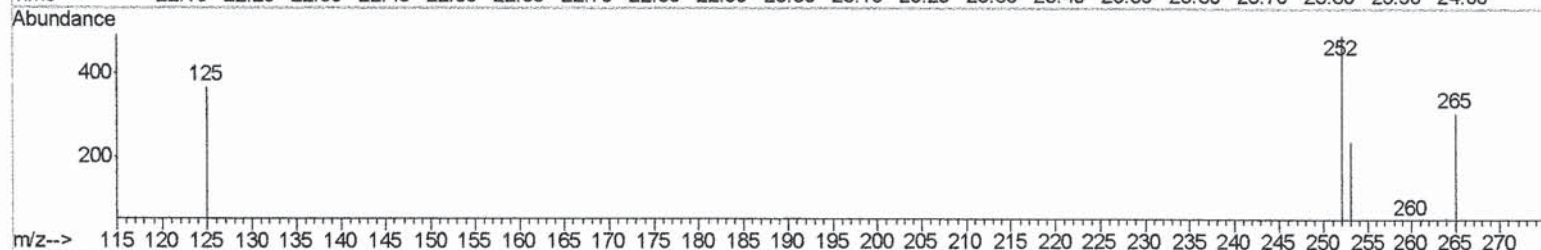
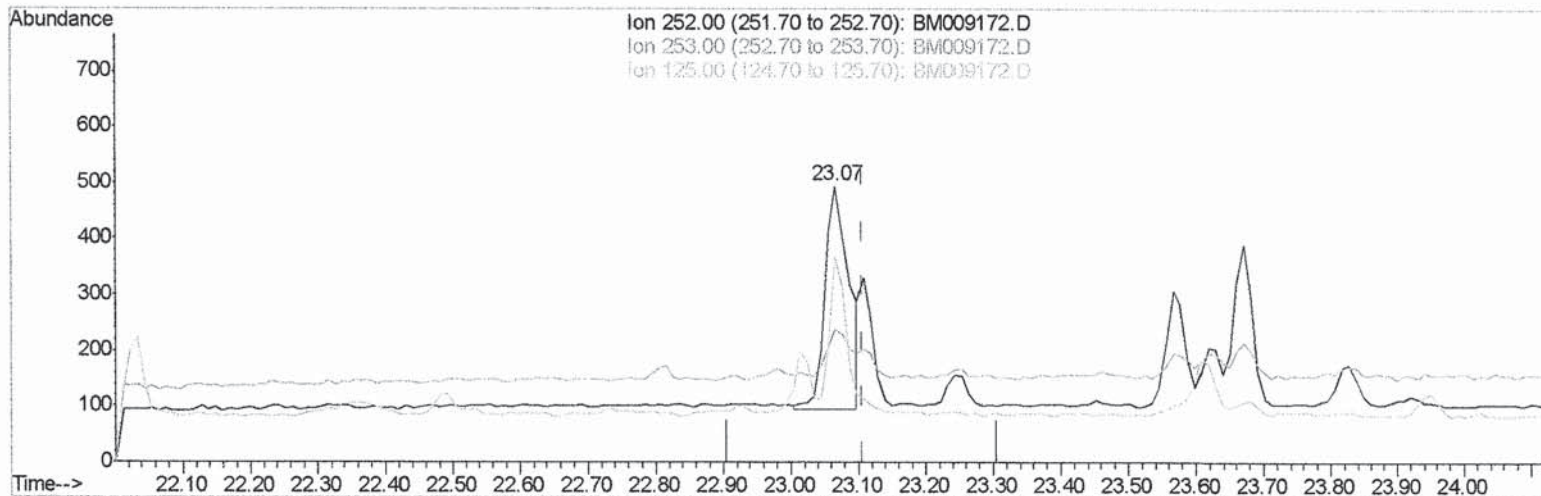
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009172.D
 Acq On : 10 Mar 2017 12:47
 Operator : SJ/MA
 Sample : I2107-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ8

Manual Integrations
 APPROVED

mohammad
 3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 10 15:19:24 2017
 Response via : Initial Calibration



TIC: BM009172.D

(22) Benzo(k)fluoranthene

23.066min (-0.042) 0.31ng/ul m

response 992

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	48.28#
125.00	17.10	74.44#
0.00	0.00	0.00

> *SJ*
03/13/17

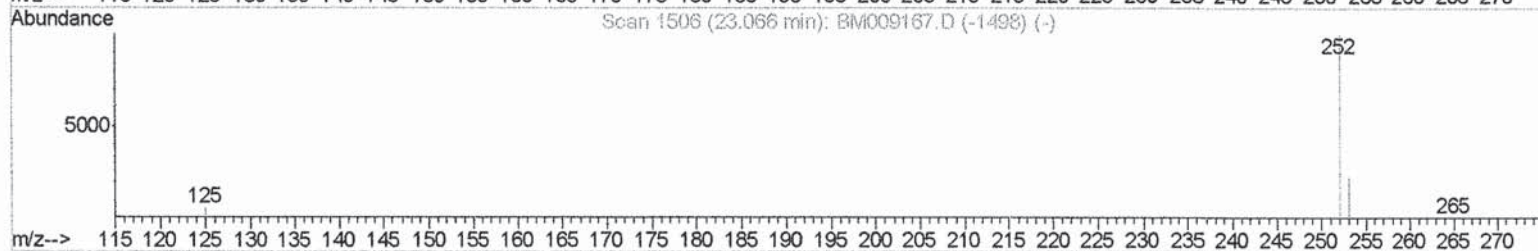
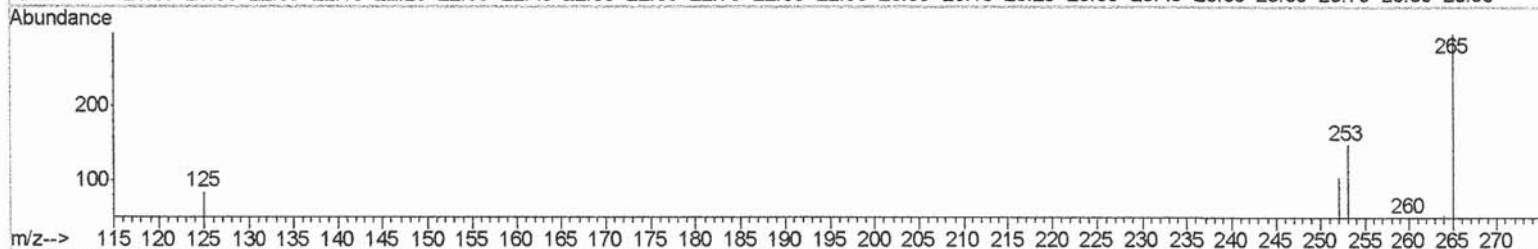
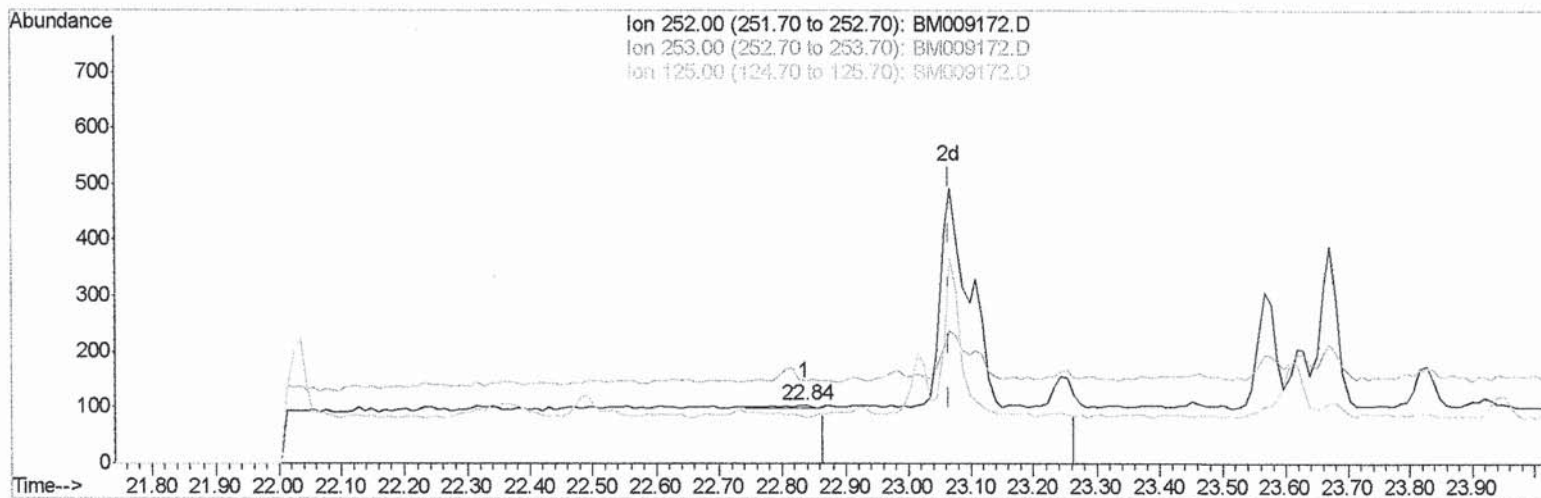
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(21) Benzo(b)fluoranthene

22.836min (-0.229) 0.01ng/ui

response 28

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	141.90#
125.00	17.50	79.05#
0.00	0.00	0.00

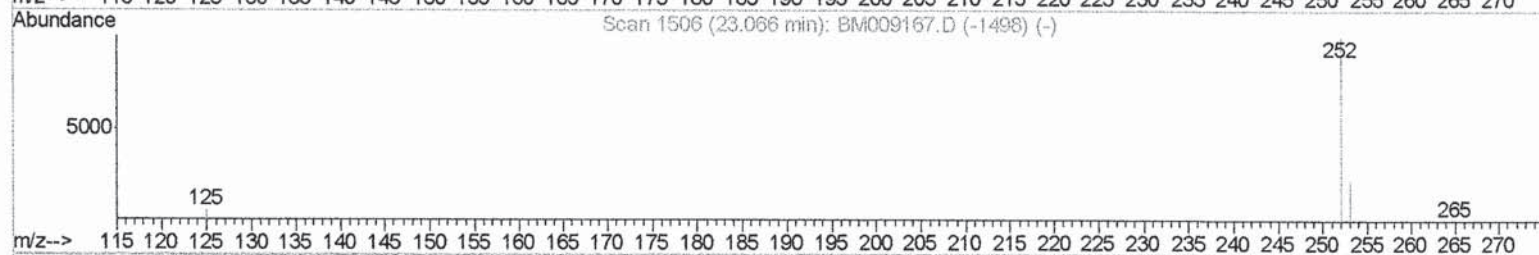
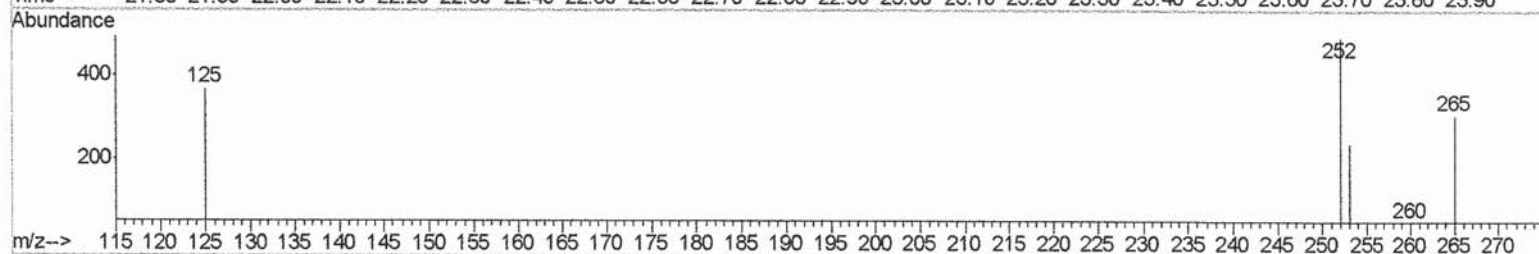
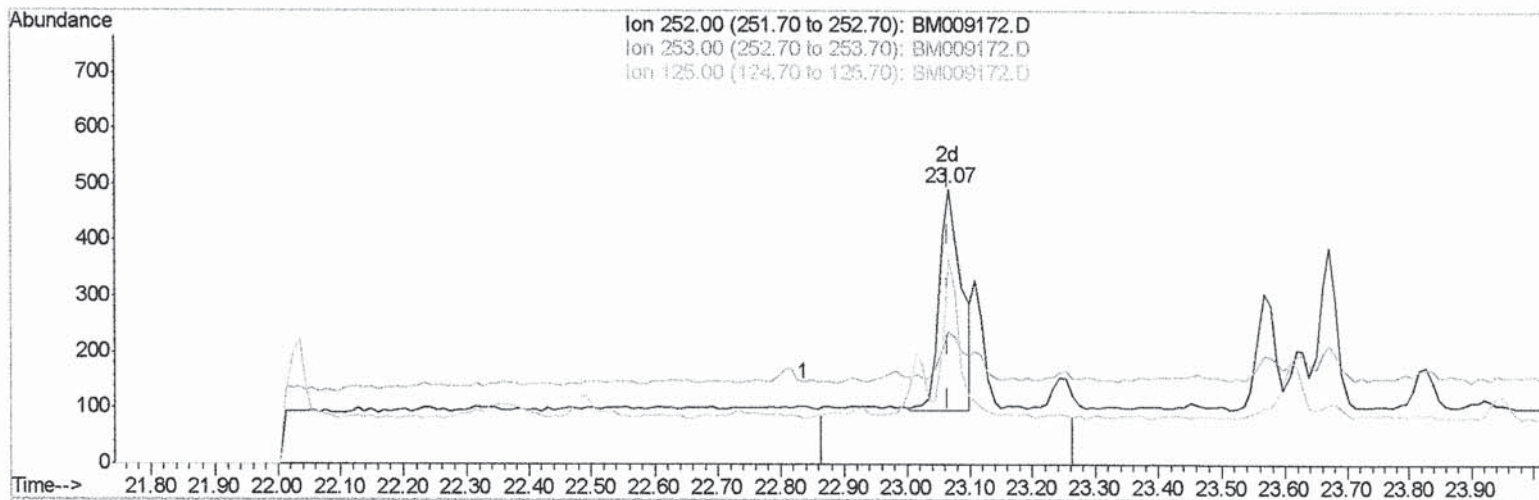
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(21) Benzo(b)fluoranthene

23.066min (+0.000) 0.27ng/ul m

response 986

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	48.28
125.00	17.50	74.44#
0.00	0.00	0.00

SJ
03/13/17

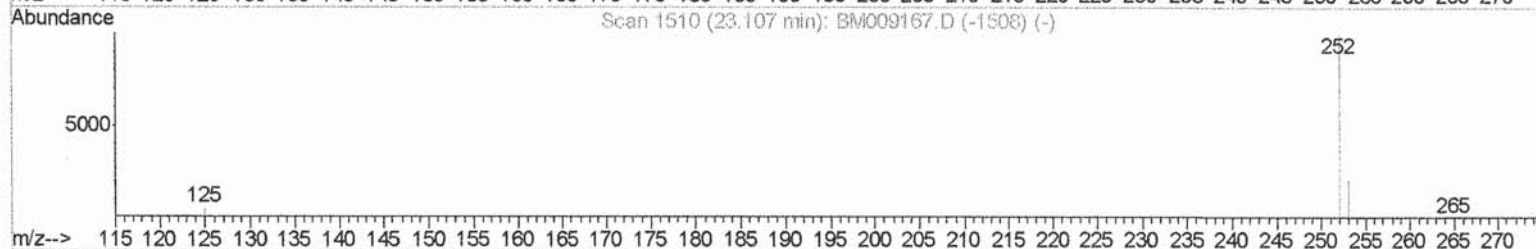
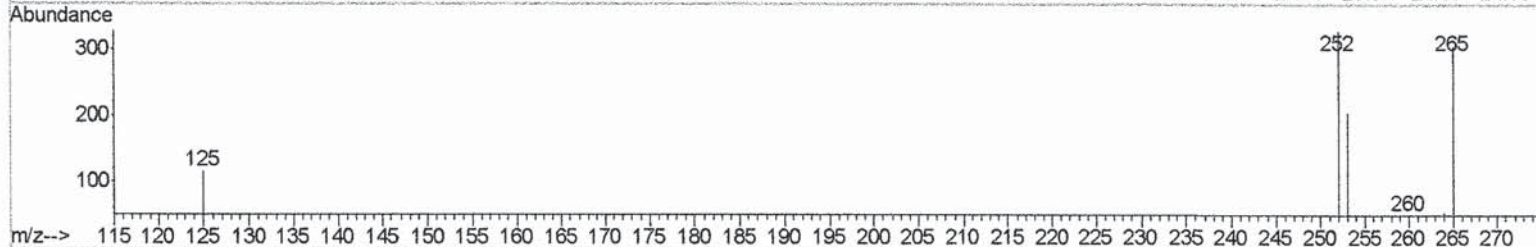
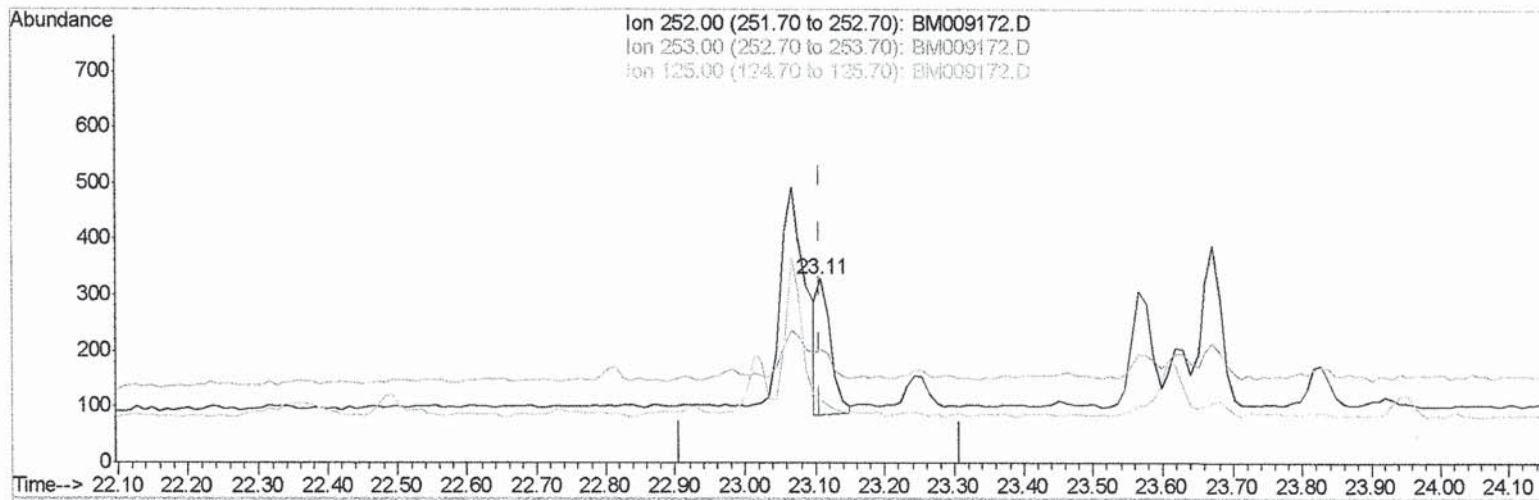
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

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3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(22) Benzo(k)fluoranthene

23.107min (+0.000) 0.10ng/ul m

response 329

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	62.31#
125.00	17.10	34.95#
0.00	0.00	0.00

57
03/13/17

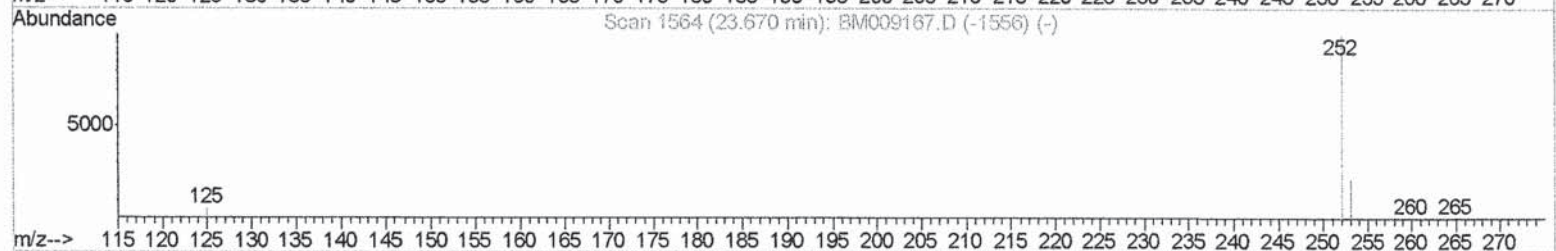
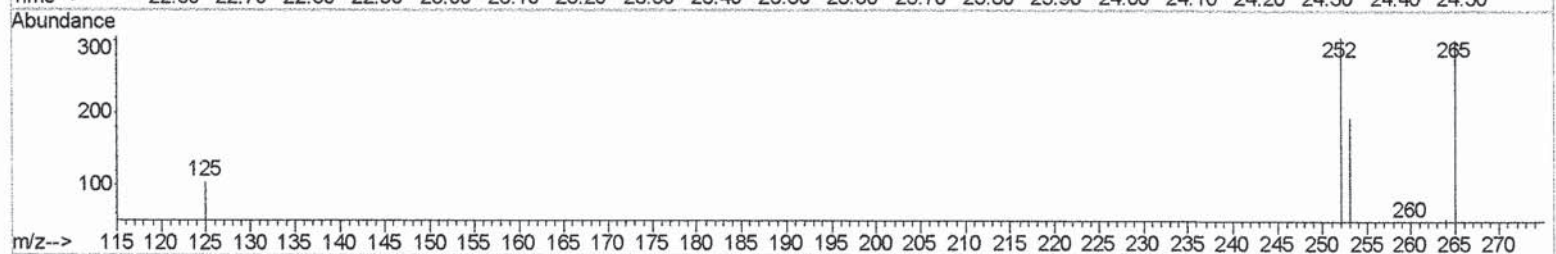
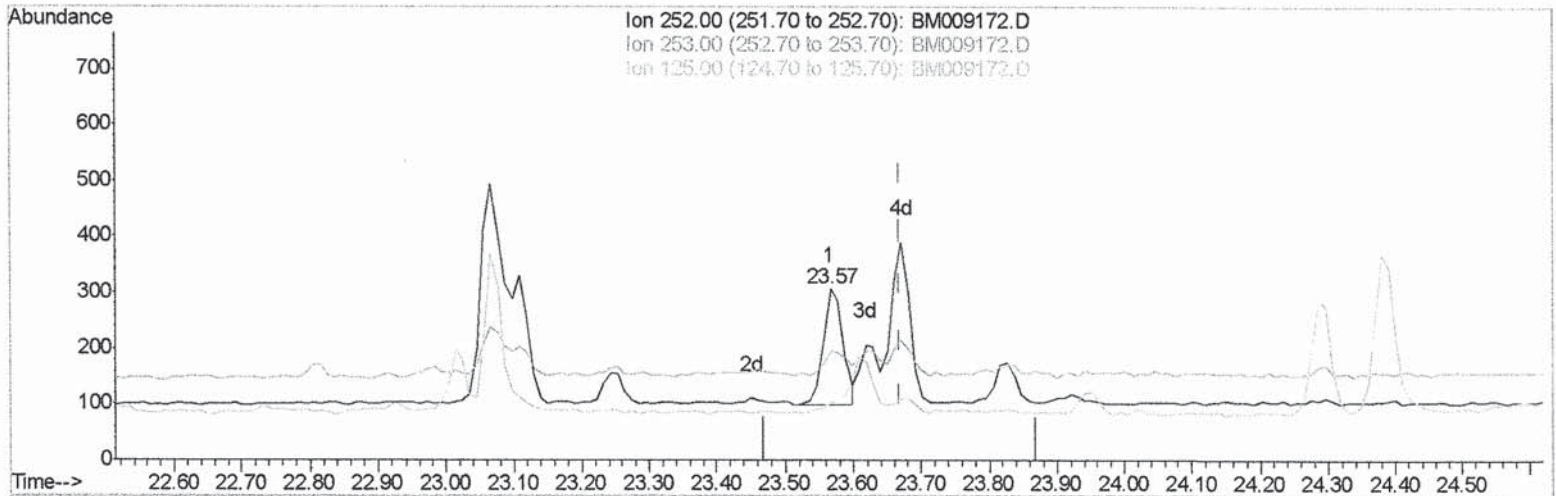
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(23) Benzo(a)pyrene (C)

23.566min (-0.104) 0.13ng/ul

response 422

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	63.40#
125.00	22.60	33.99#
0.00	0.00	0.00

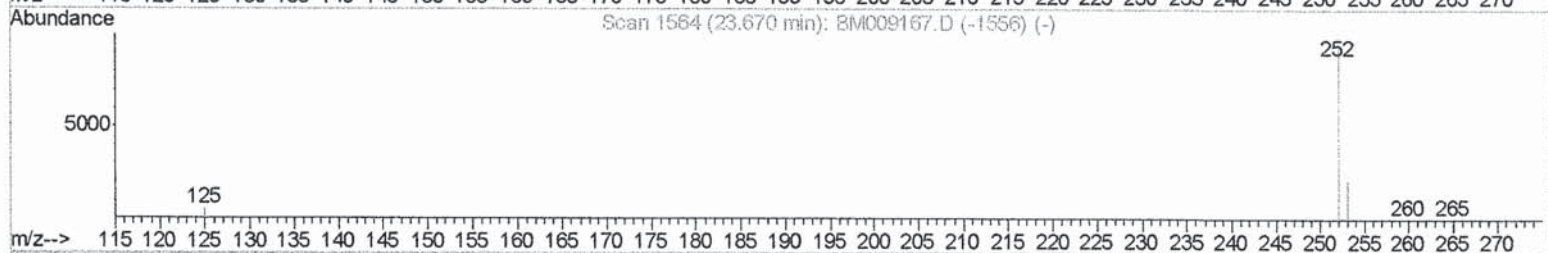
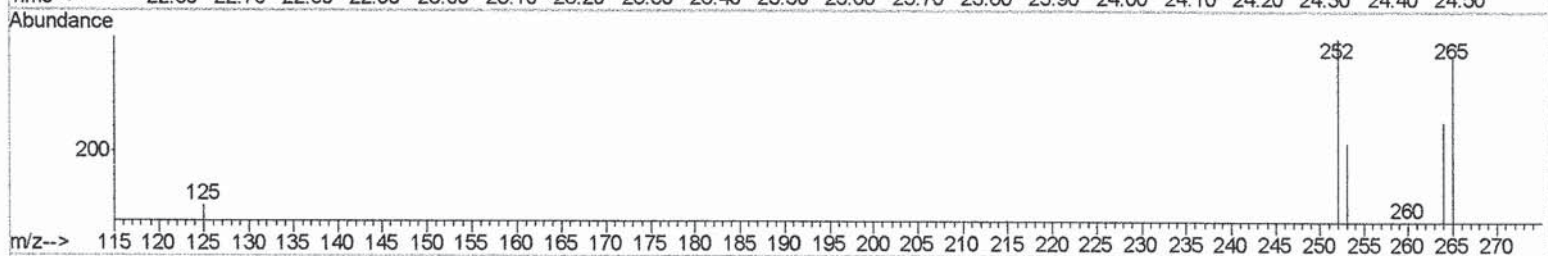
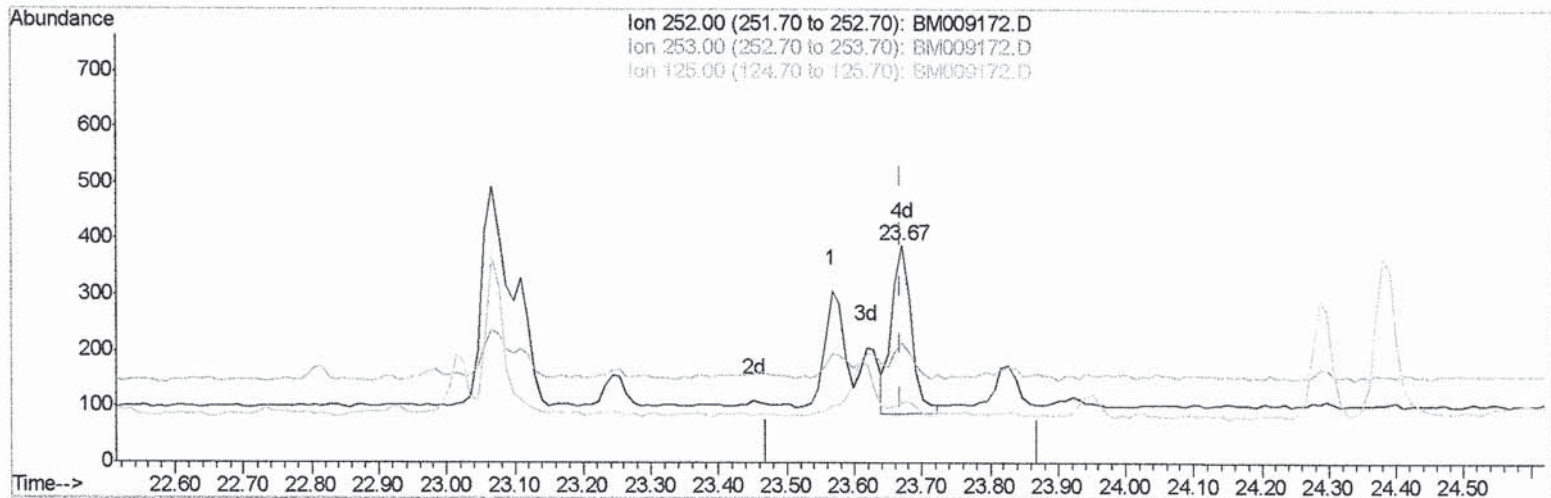
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

(23) Benzo(a)pyrene (C)

23.670min (+0.000) 0.19ng/ul m

response 615

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	55.53#
125.00	22.60	28.28#
0.00	0.00	0.00

SJ
03/13/17

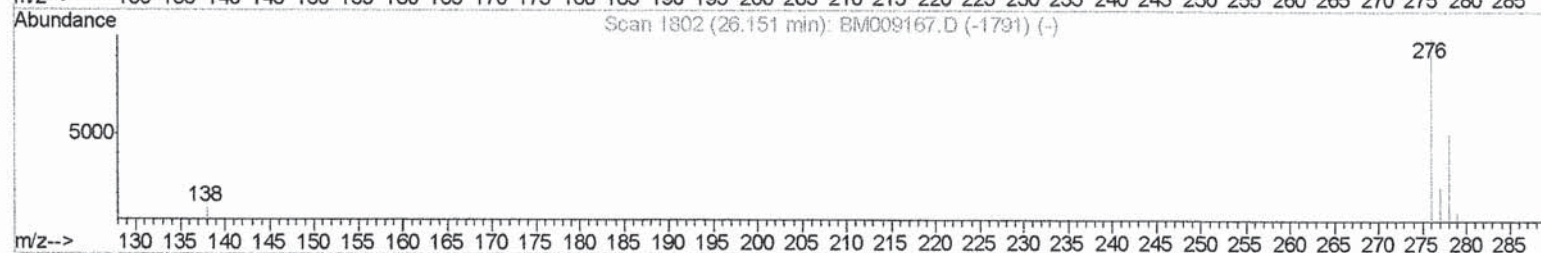
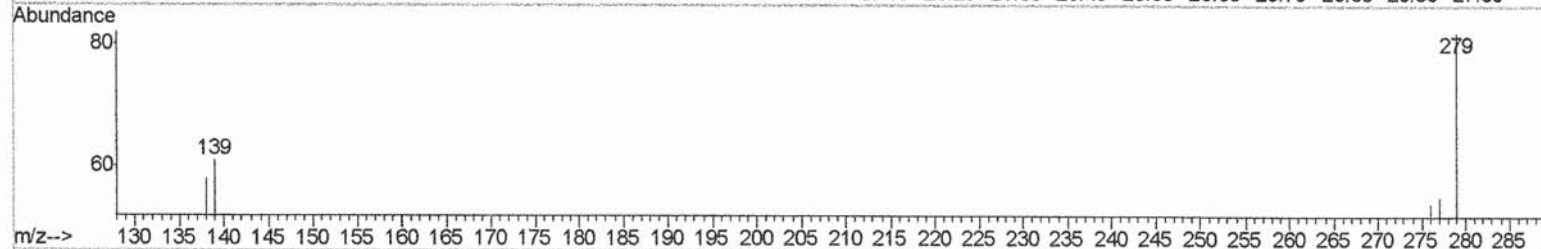
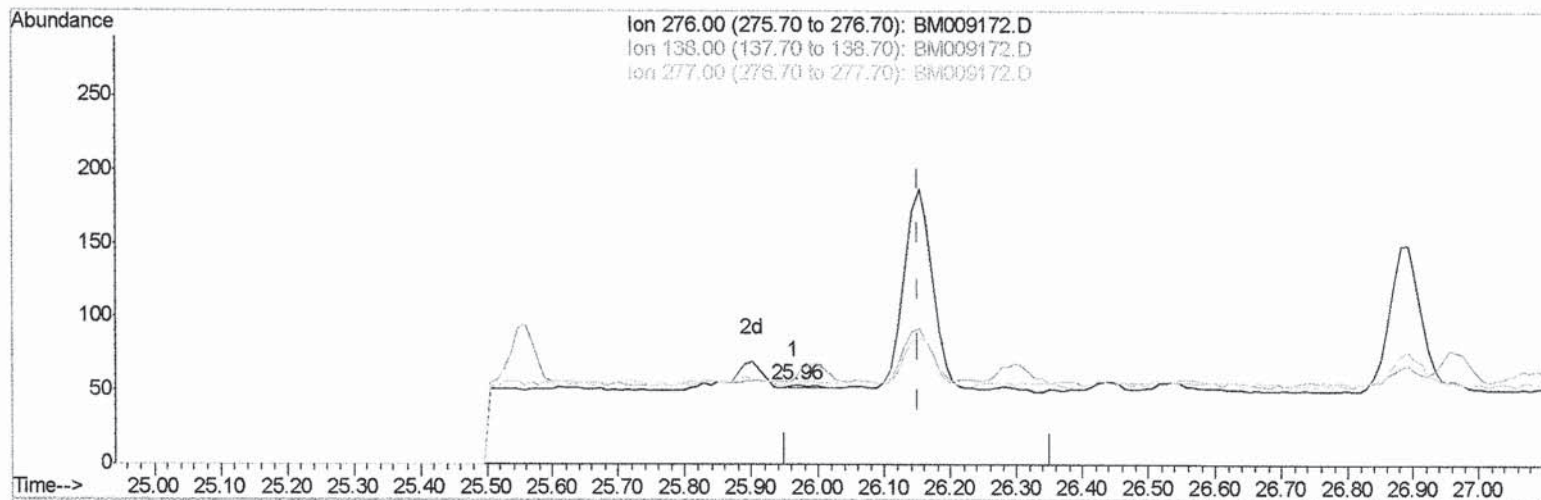
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

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

25.964min (-0.187) 0.00ng/ul

response 6

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

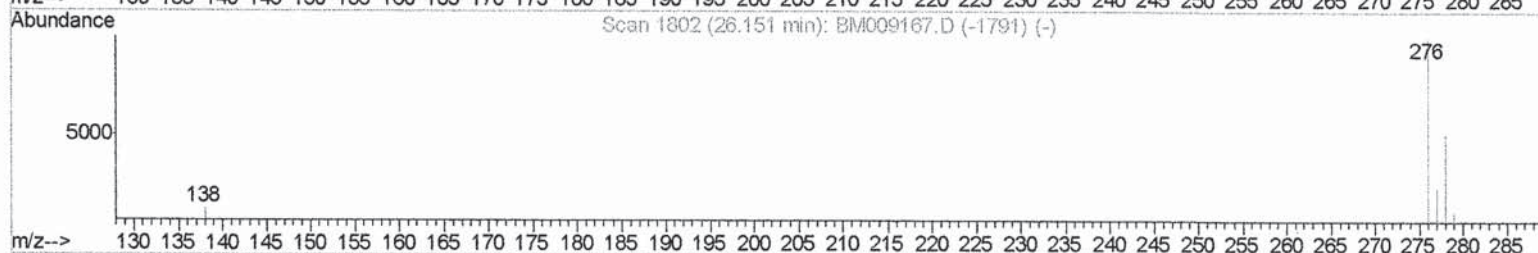
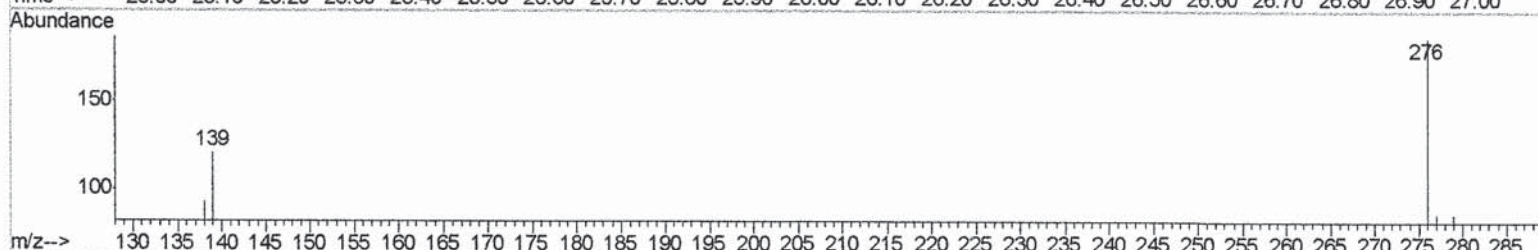
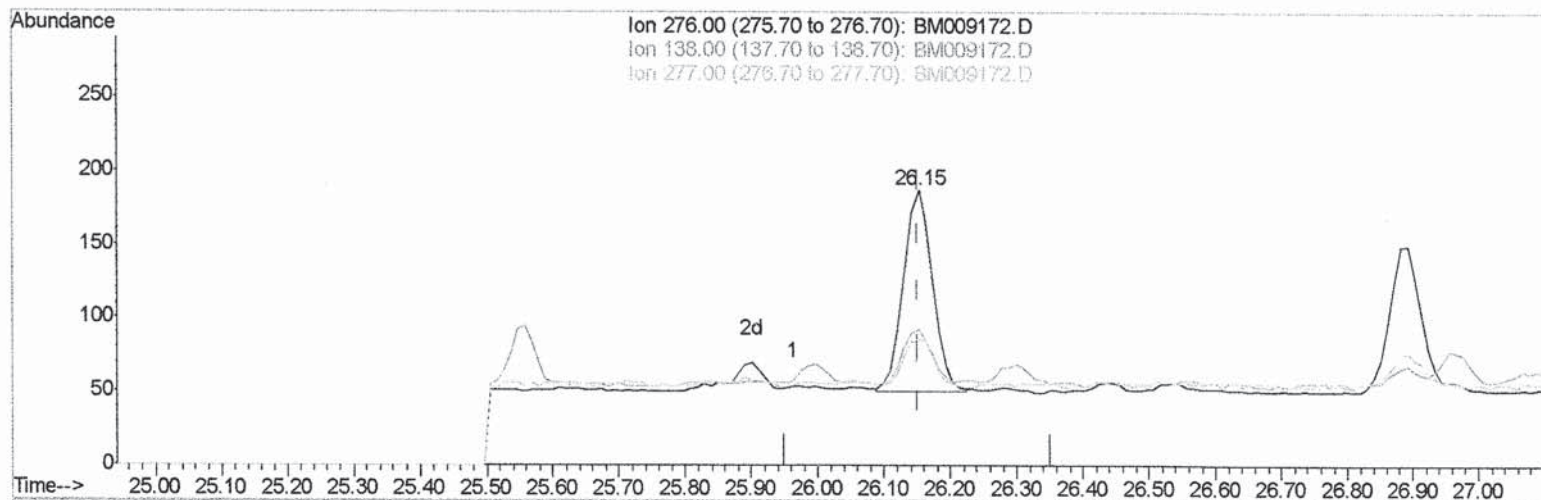
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

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

26.151min (+0.000) 0.10ng/ul m

response 412

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

> SJ
03/13/17

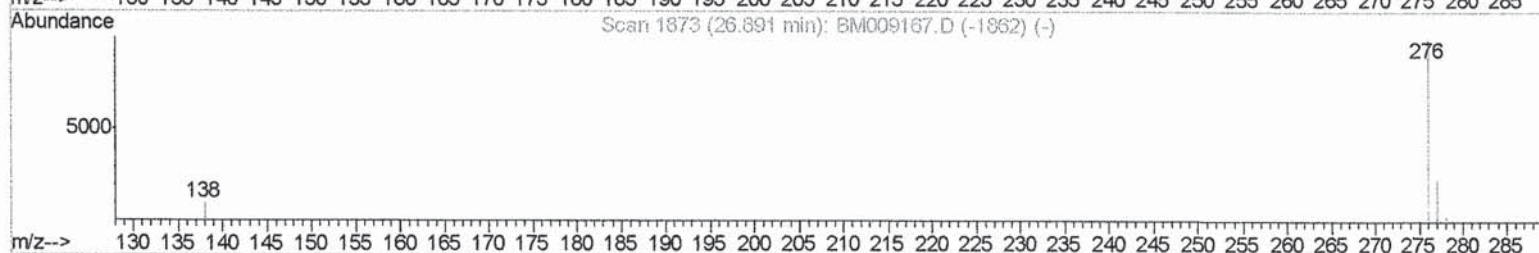
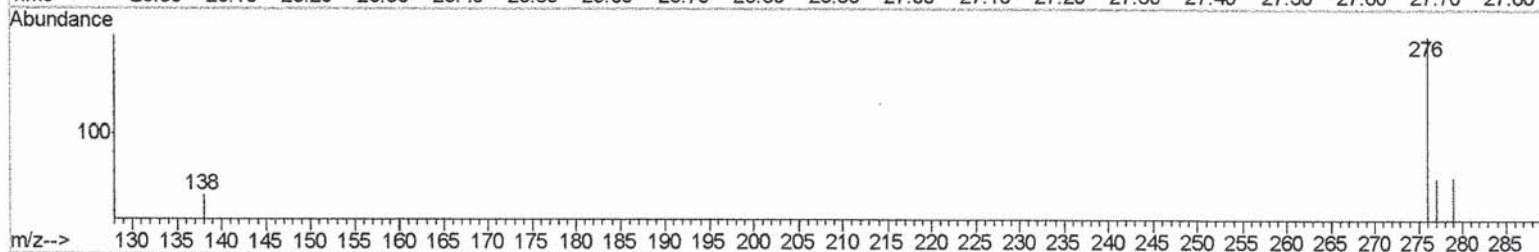
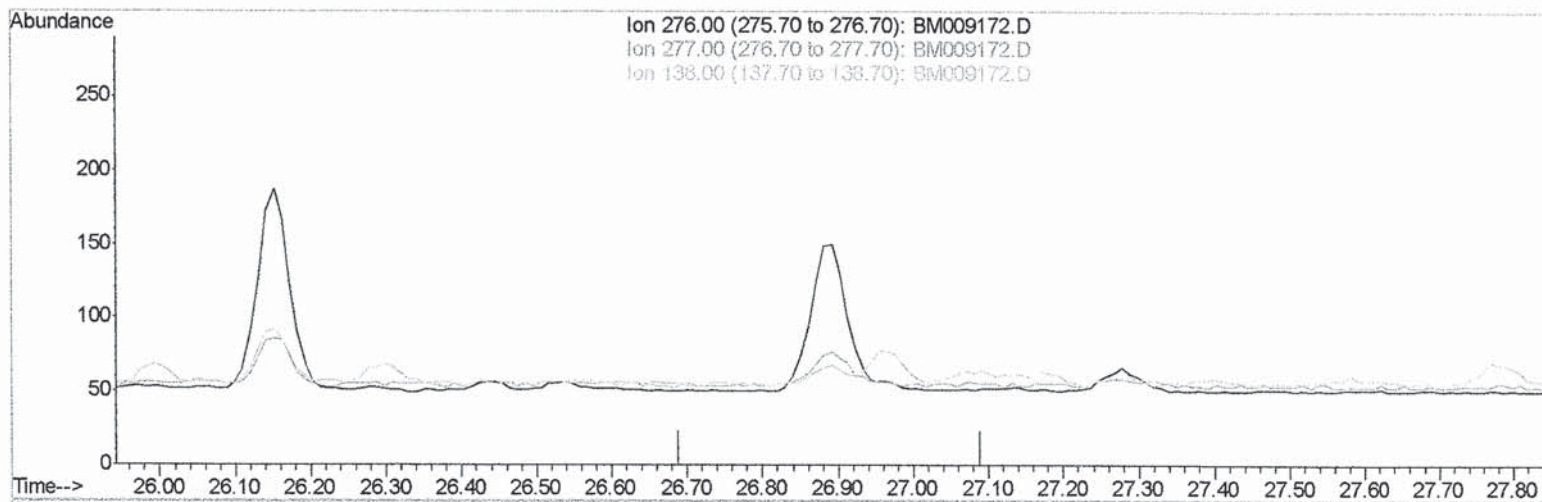
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.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

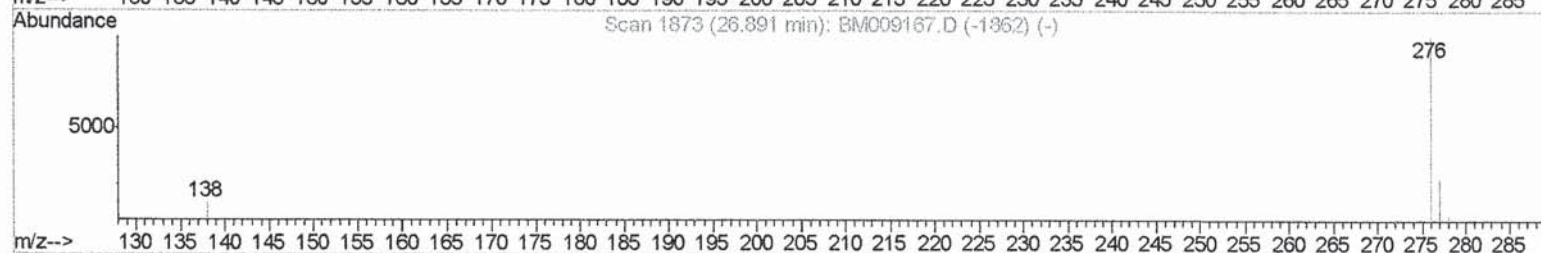
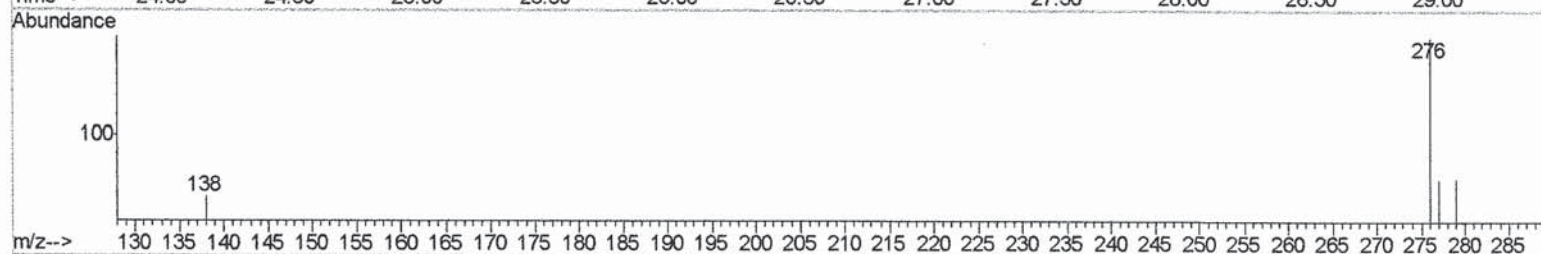
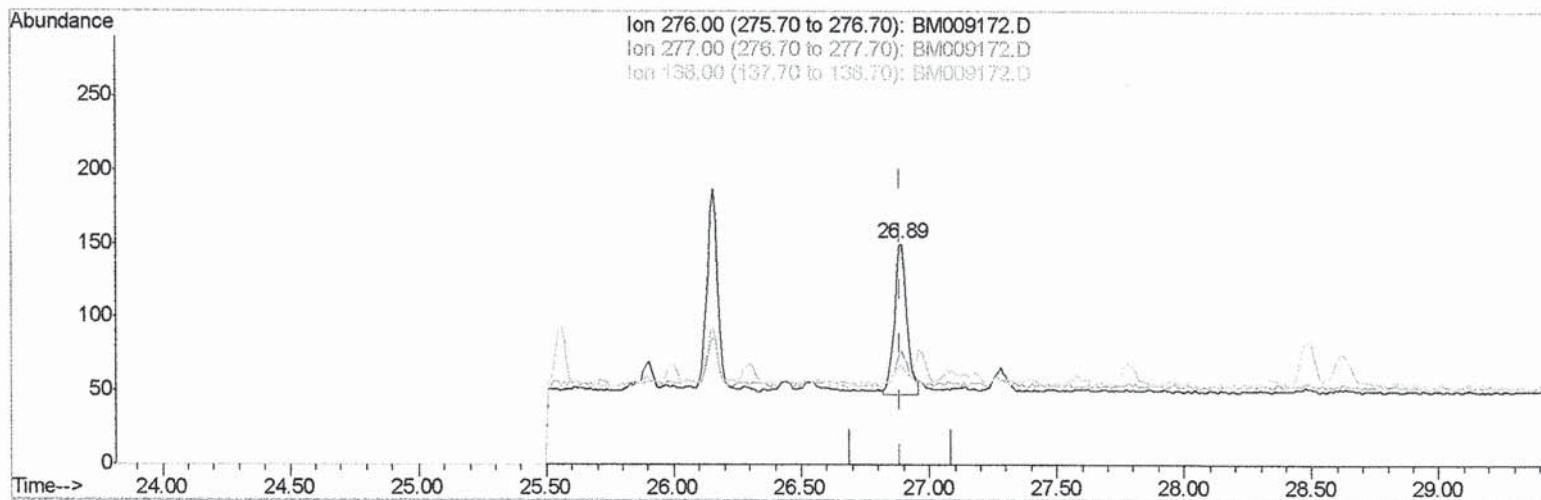
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009172.D
Acq On : 10 Mar 2017 12:47
Operator : SJ/MA
Sample : I2107-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ8

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:40:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009172.D

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

26.891min (+0.000) 0.10ng/ul m

response 357

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	51.33#
138.00	25.60	45.33#
0.00	0.00	0.00

> SJ
03/13/17

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009172.D
 Acq On : 10 Mar 2017 12:47
 Operator : SJ/MA
 Sample : I2107-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ8

Manual Integrations
 APPROVED

mohammad
 3/13/2017 12:49:11 PM

Quant Time: Mar 10 15:42:21 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 10 15:19:24 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	0.00
2) Naphthalene-d8	10.68	136	713	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	430	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	946m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1026	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	913m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	209	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	567	0.19	ng/ul	0.00
Target Compounds						
12) Phenanthrene	17.30	178	320m	0.11	ng/ul	Qvalue
15) Fluoranthene	19.33	202	932	0.24	ng/ul	88
17) Pyrene	19.69	202	1002	0.28	ng/ul#	91
18) Benzo(a)anthracene	21.42	228	611	0.18	ng/ul#	85
19) Chrysene	21.47	228	708	0.22	ng/ul#	82
21) Benzo(b)fluoranthene	23.07	252	986m	0.27	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	329m	0.10	ng/ul	
23) Benzo(a)pyrene	23.67	252	615m	0.19	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	412m	0.10	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	357m	0.10	ng/ul	

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