

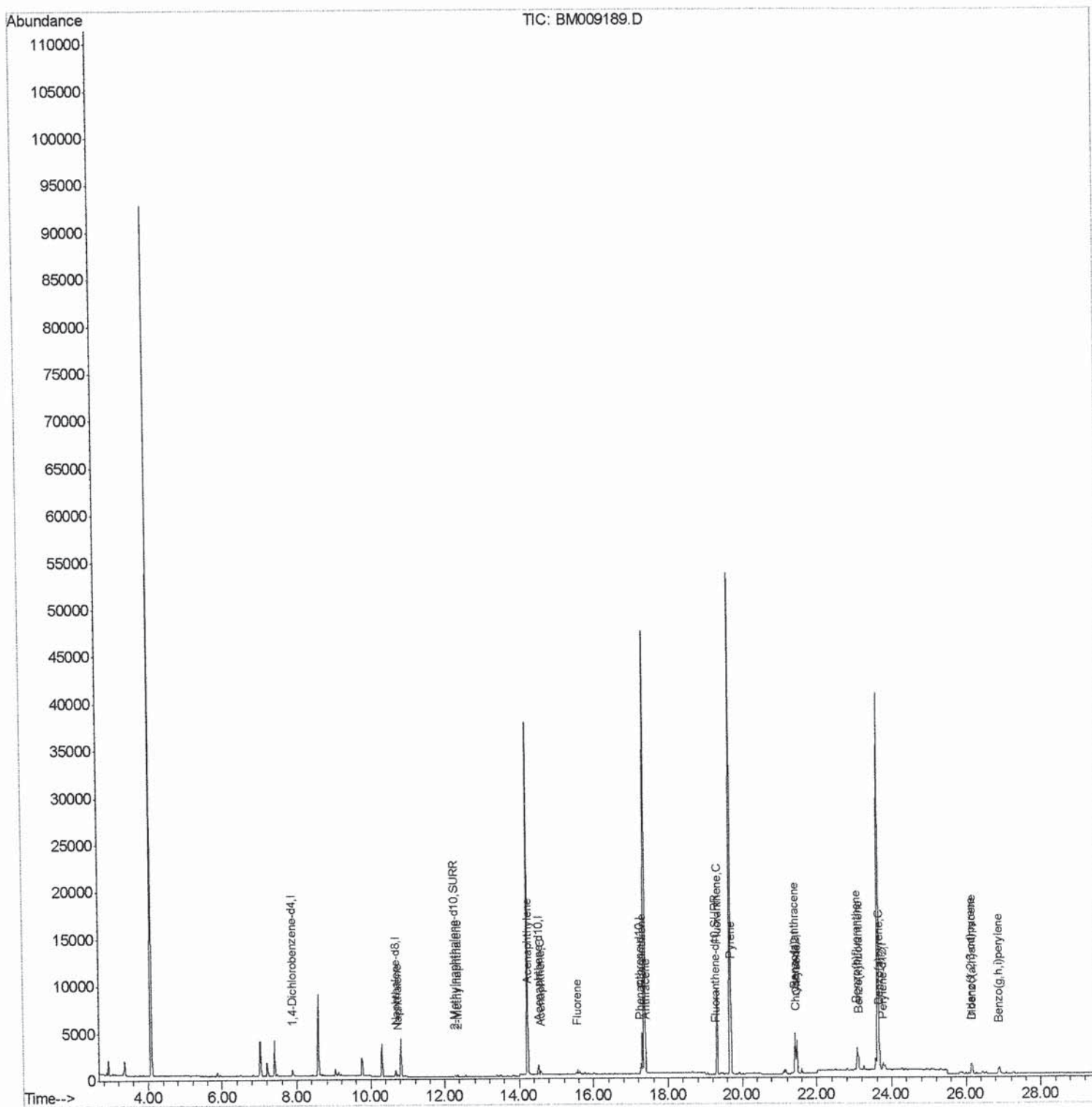
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009189.D
Acq On : 10 Mar 2017 23:32
Operator : SJ/MA
Sample : I2107-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL3

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:18:55 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



Quantitation Report (Qedit)

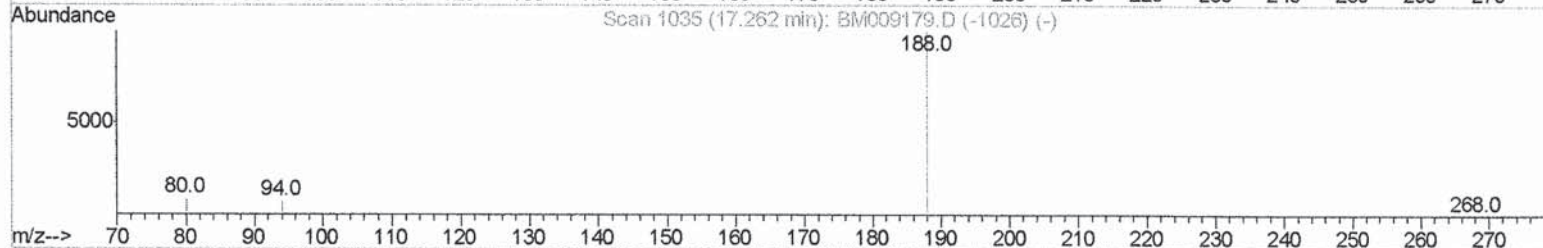
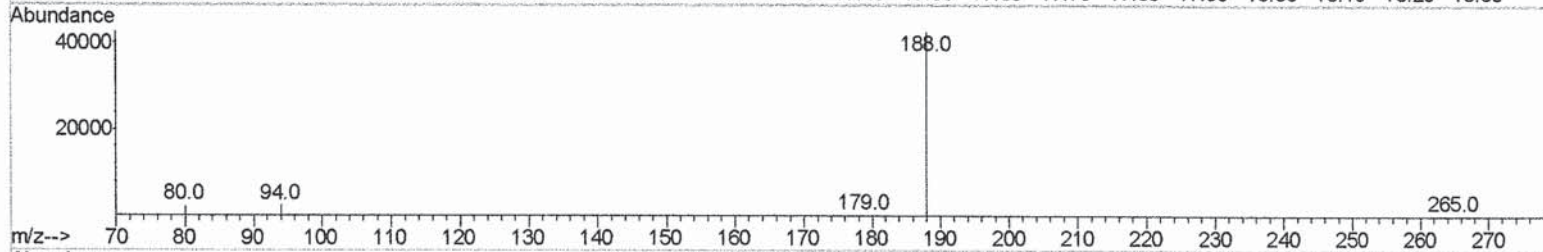
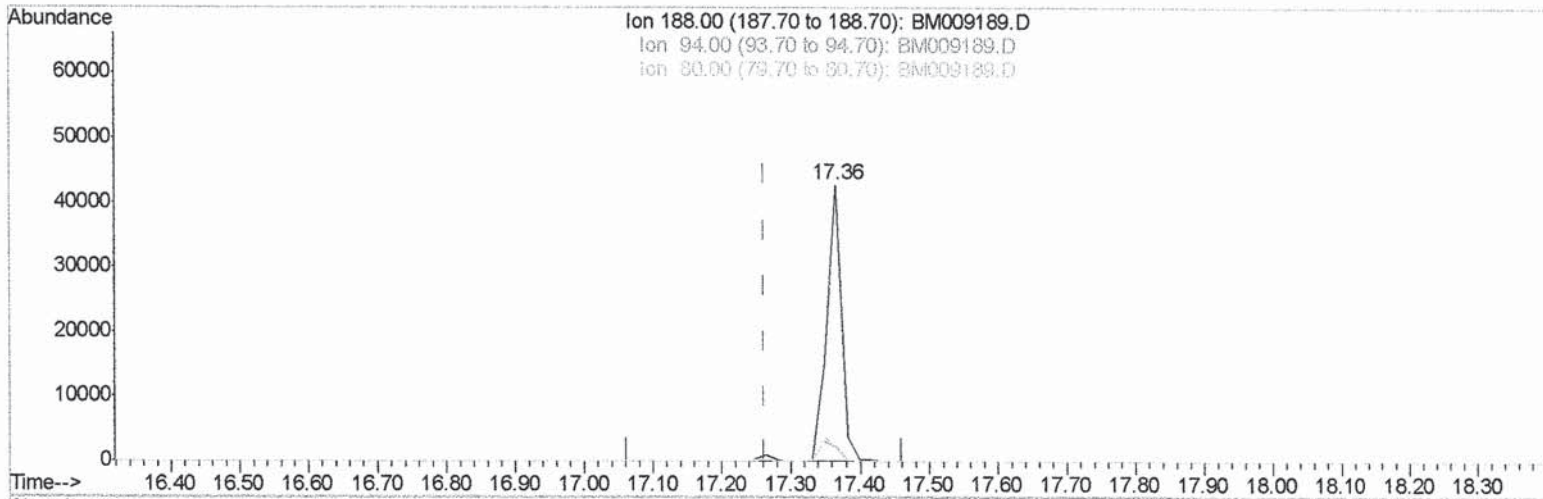
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
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 BNA_M
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 C0AL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 00:55:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009189.D

(10) Phenanthrene-d10 (I)
 17.365min (+0.103) 0.40ng/ul
 response 63224

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.42#
80.00	11.80	4.91#
0.00	0.00	0.00

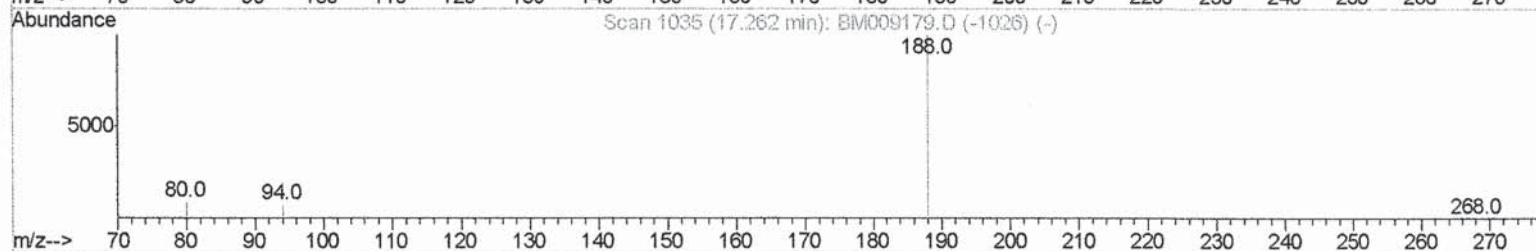
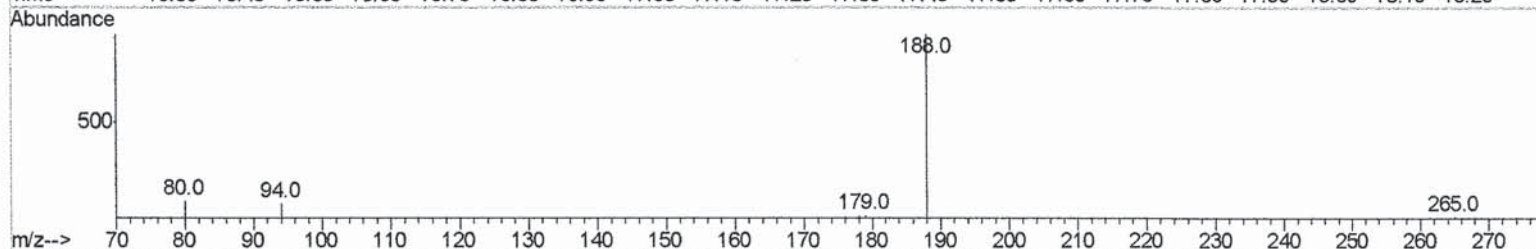
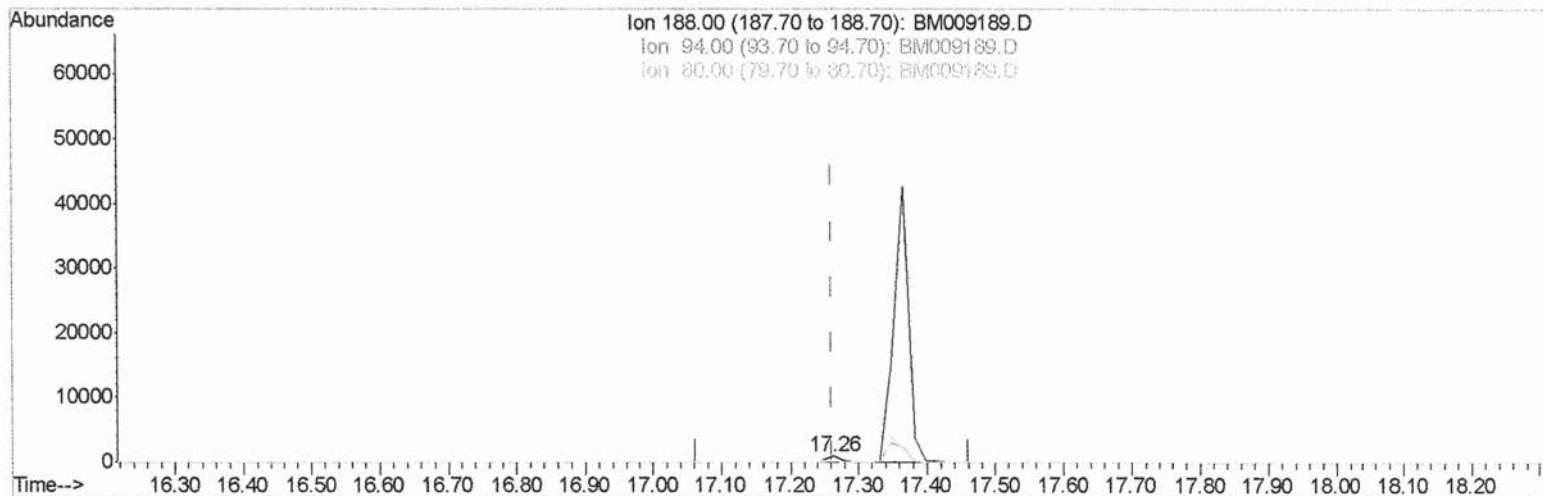
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
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Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:24 PM

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TIC: BM009189.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

response 1278

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.42
80.00	11.80	13.83
0.00	0.00	0.00

53
03/13/17

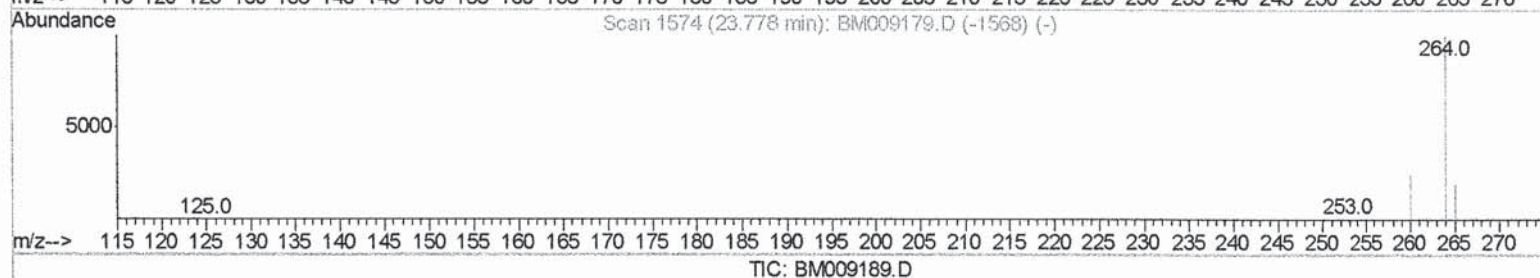
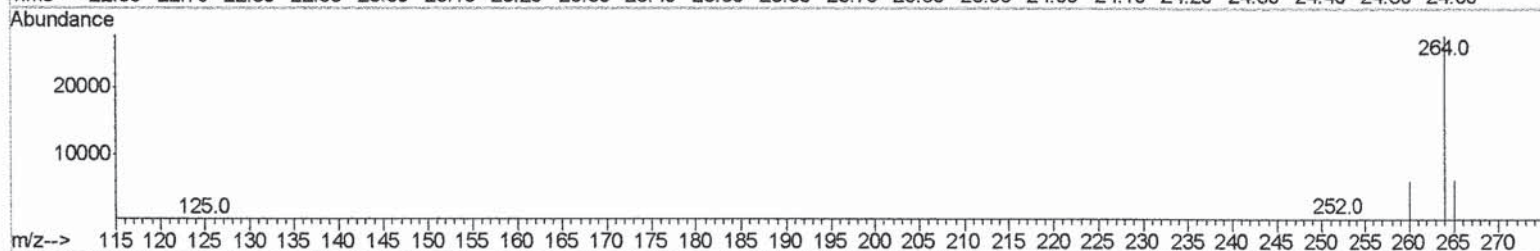
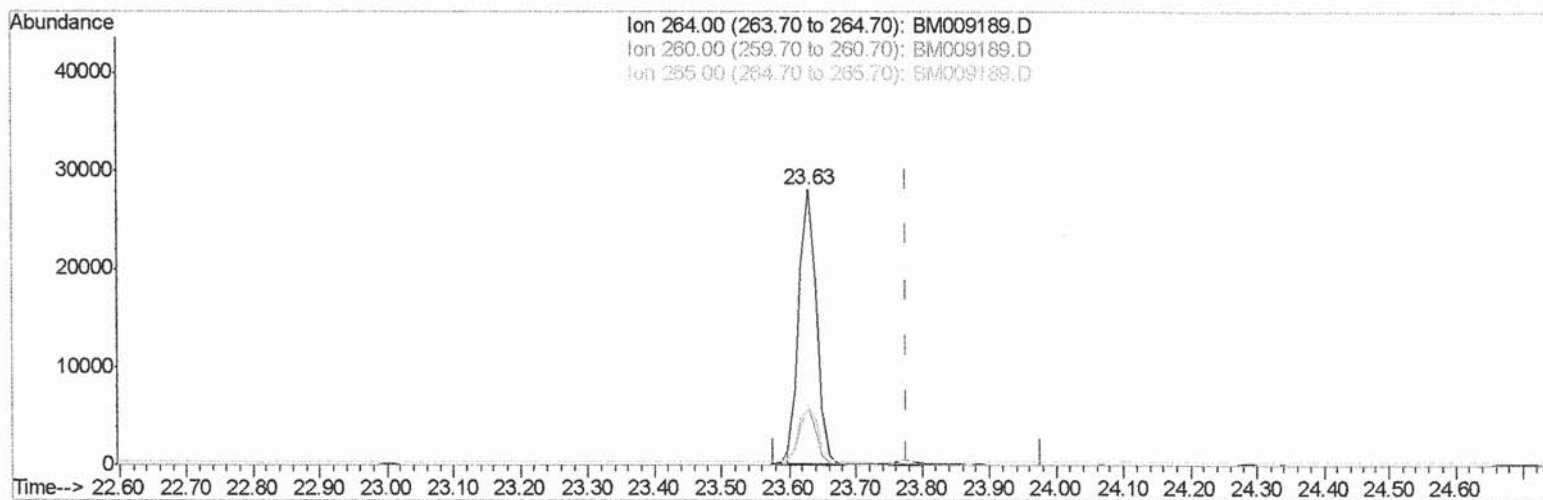
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009189.D
Acq On : 10 Mar 2017 23:32
Operator : SJ/MA
Sample : I2107-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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mohammad
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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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(20) Perylene-d12 (I)

23.629min (-0.149) 0.40ng/ul

response 50355

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.00#
265.00	103.50	21.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

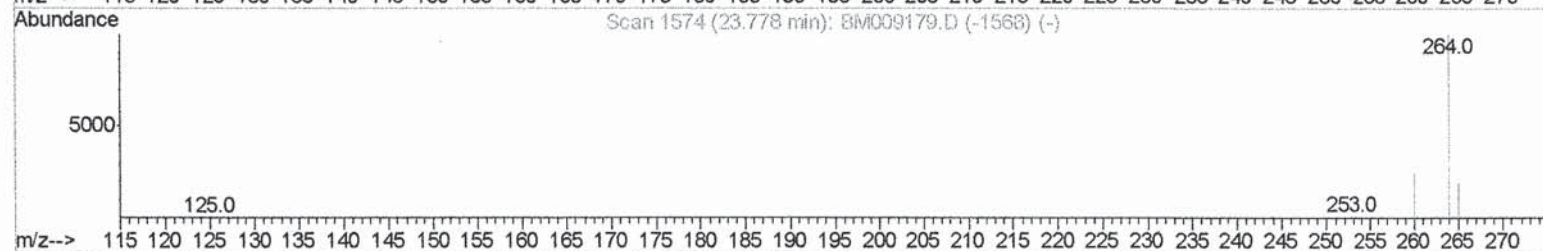
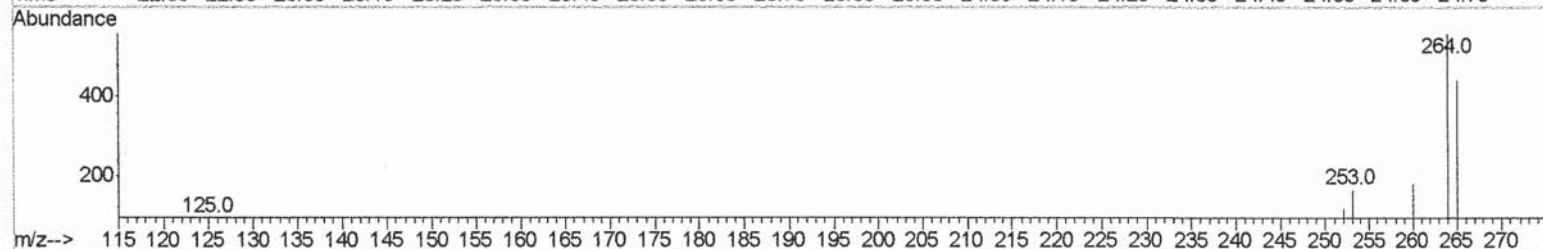
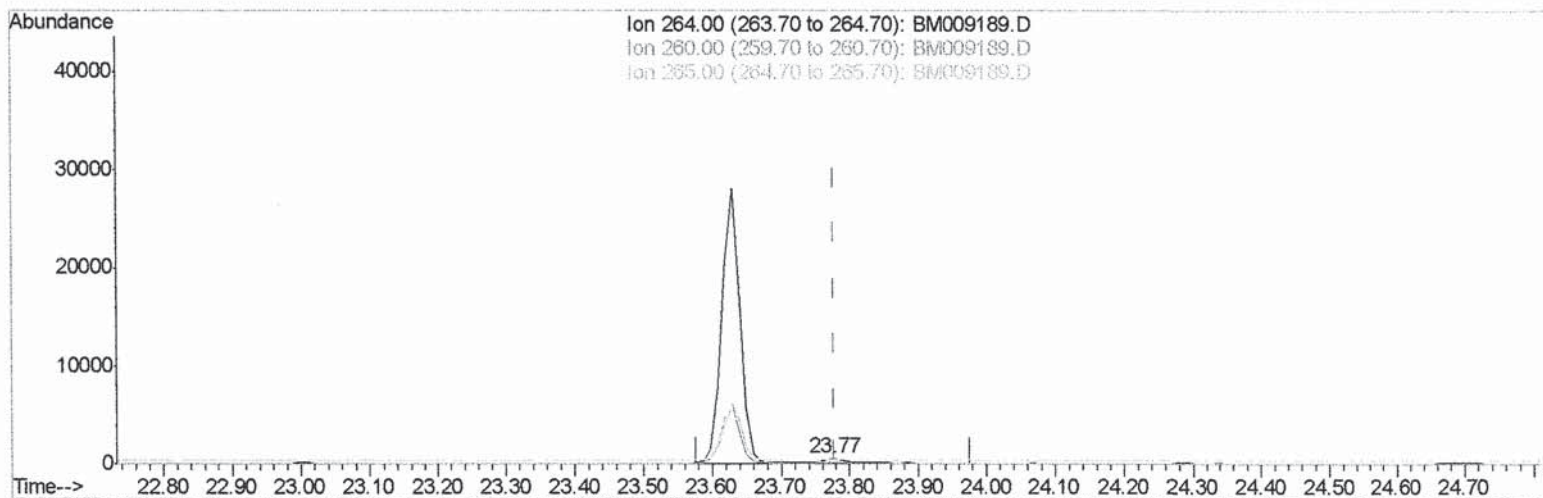
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
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Quant Time: Mar 11 00:55:46 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: BM009189.D

(20) Perylene-d12 (I)

23.775min (-0.003) 0.40ng/ul m

response 1012

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.80
265.00	103.50	79.03#
0.00	0.00	0.00

17
 03/13/17

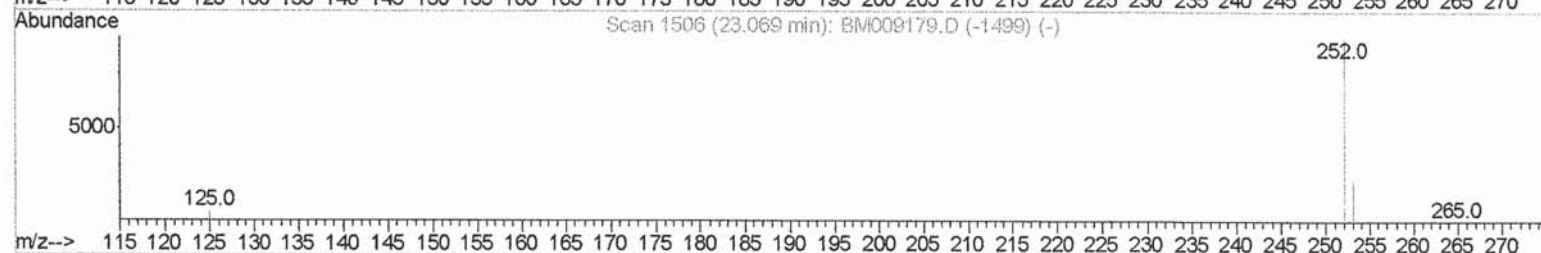
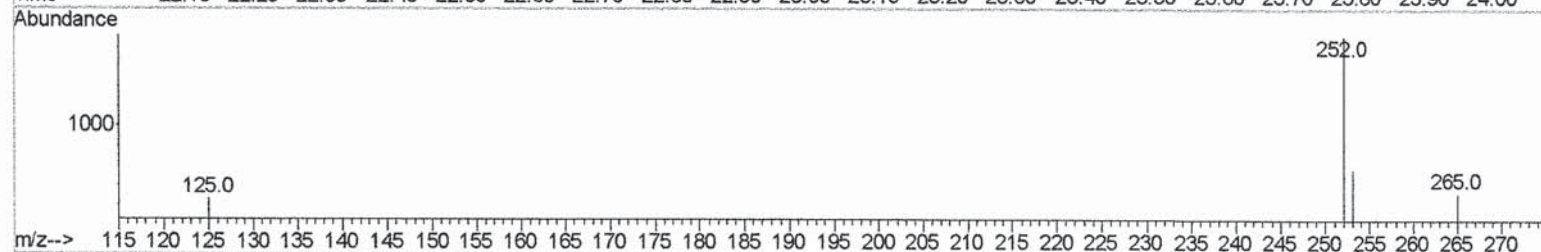
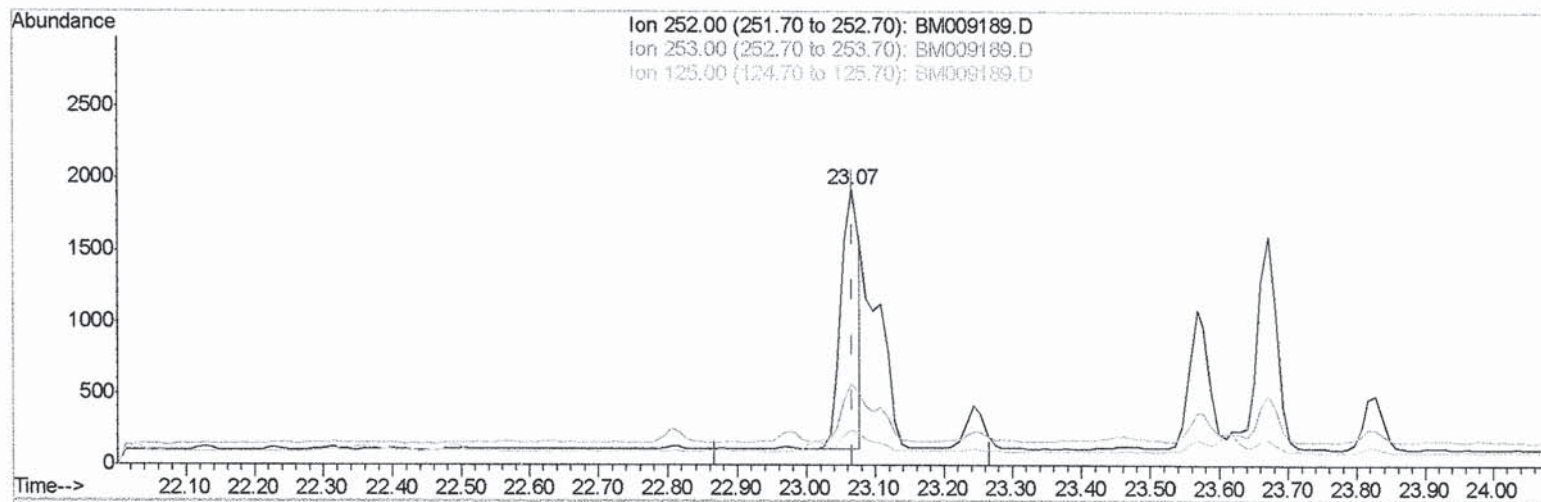
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009189.D
Acq On : 10 Mar 2017 23:32
Operator : SJ/MA
Sample : I2107-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AL3

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:16:53 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: BM009189.D

(21) Benzo(b)fluoranthene

23.066min (-0.003) 0.84ng/ul

response 3344

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	29.45
125.00	17.50	13.30
0.00	0.00	0.00

Quantitation Report (Qedit)

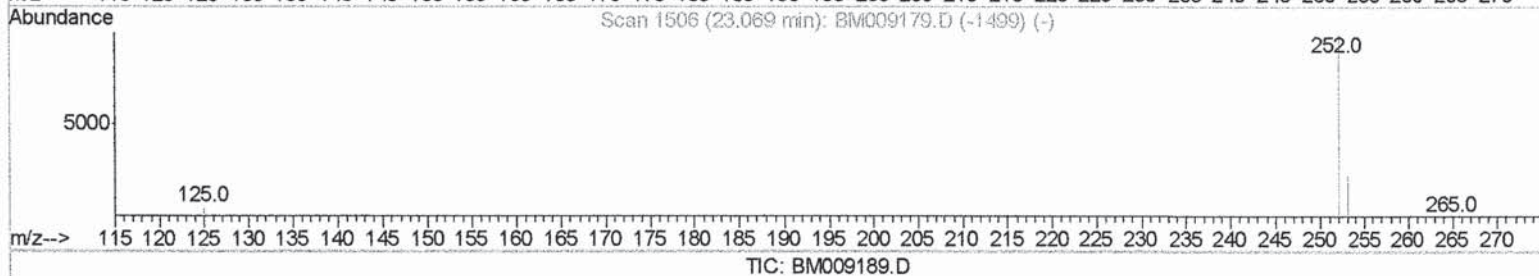
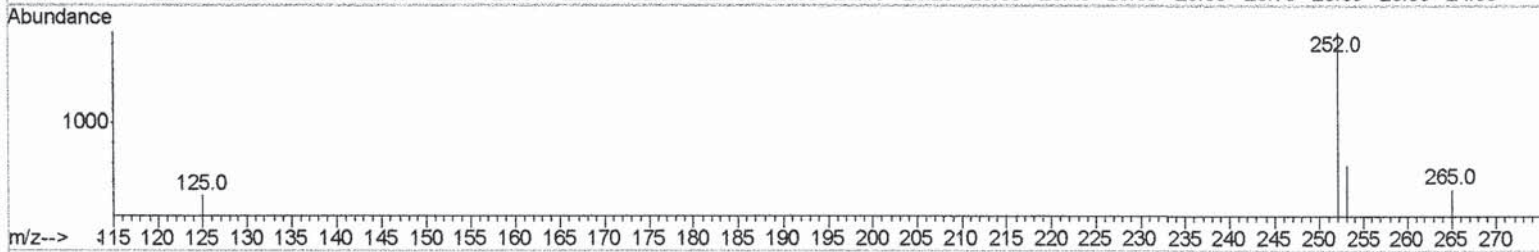
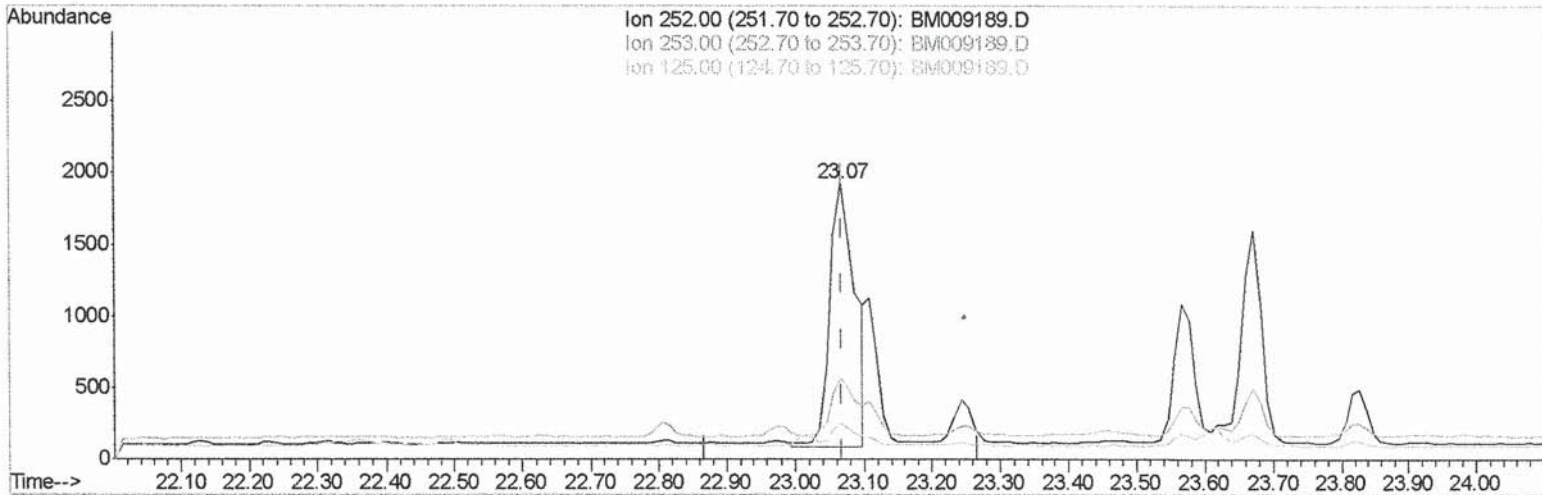
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:16:53 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

23.066min (-0.003) 1.20ng/ul m

response 4757

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	29.45
125.00	17.50	13.30
0.00	0.00	0.00

57
 03/13/17

Quantitation Report (Qedit)

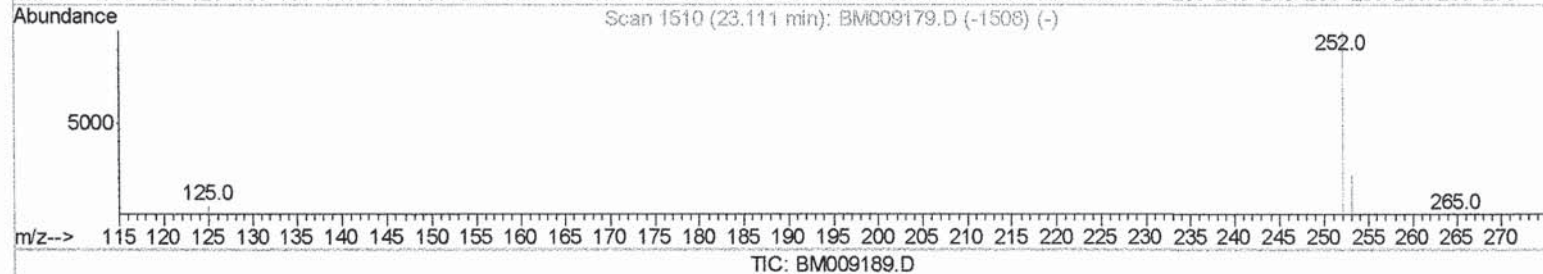
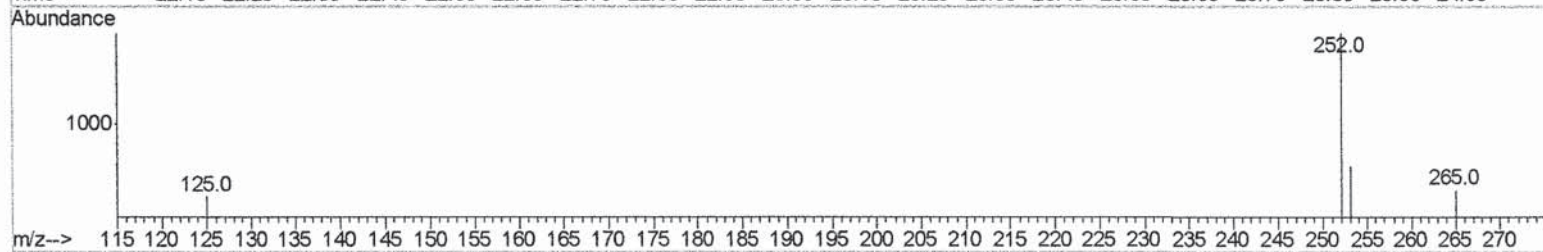
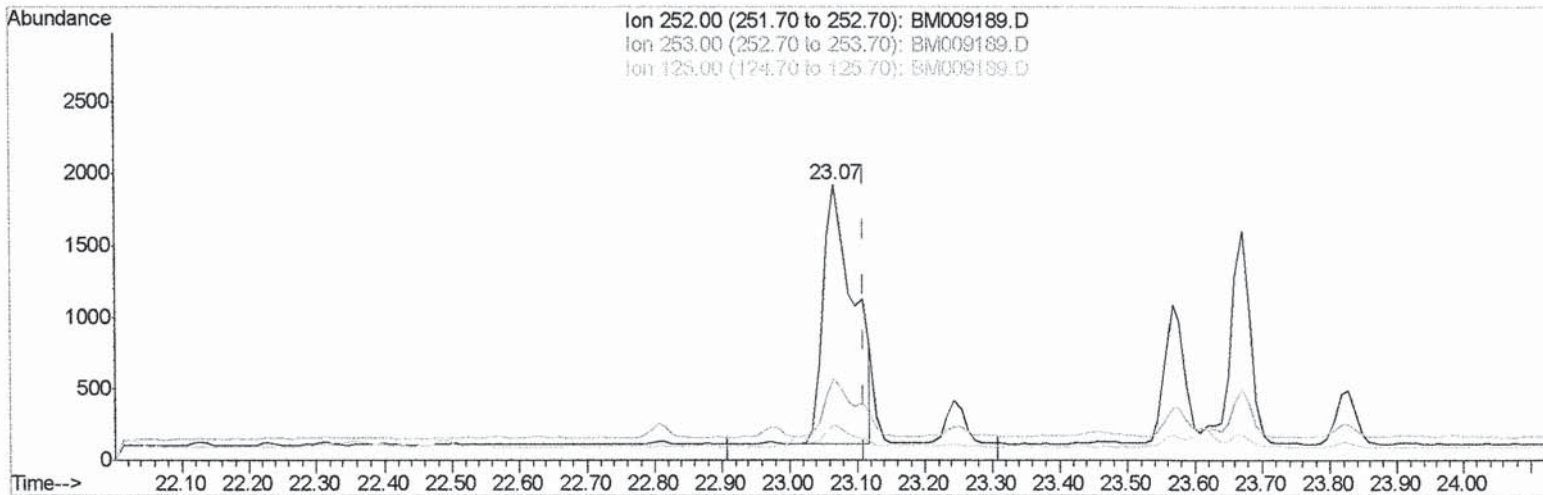
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:16:53 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



(22) Benzo(k)fluoranthene
 23.066min (-0.045) 1.61ng/ul
 response 5657

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.45
125.00	17.10	13.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

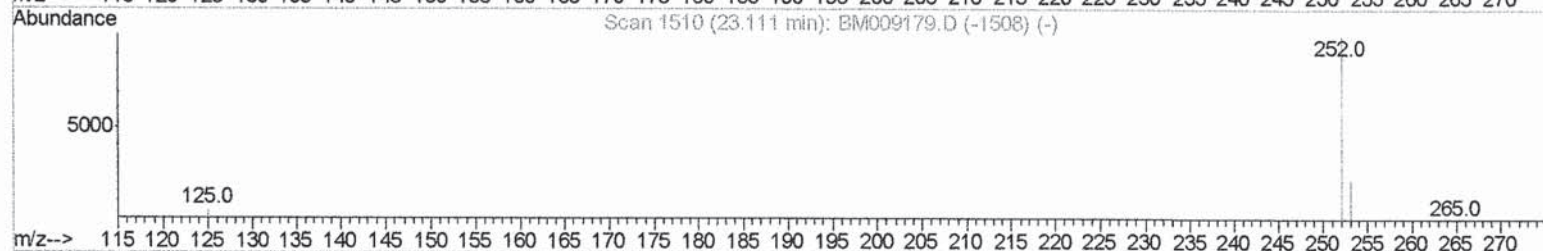
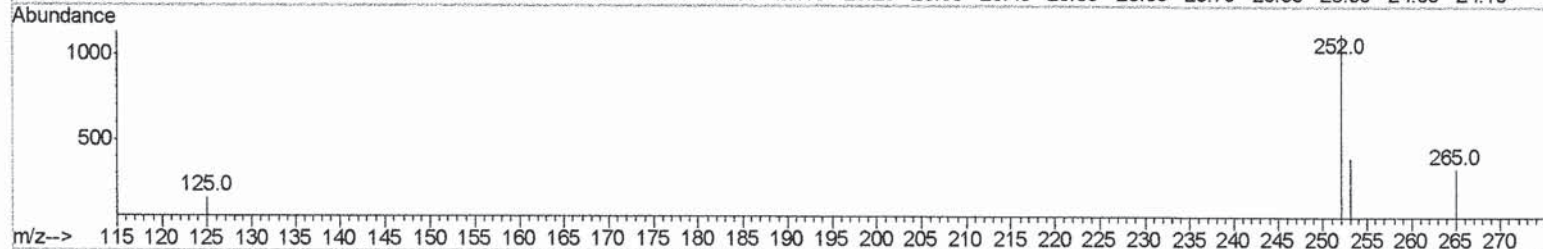
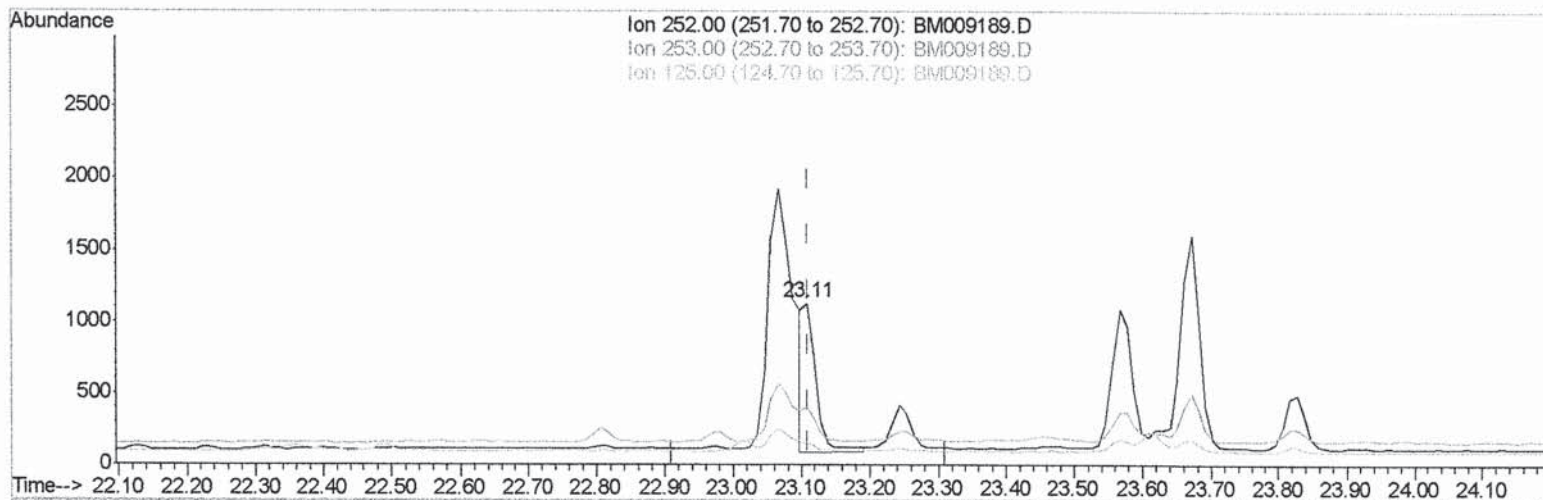
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:16:53 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.107min (-0.003) 0.38ng/ul m

response 1335

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	35.40
125.00	17.10	14.34
0.00	0.00	0.00

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

Quantitation Report (Qedit)

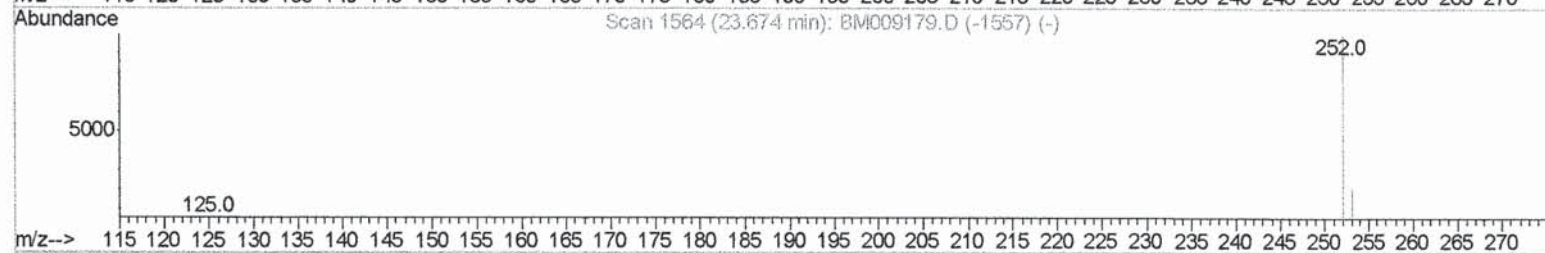
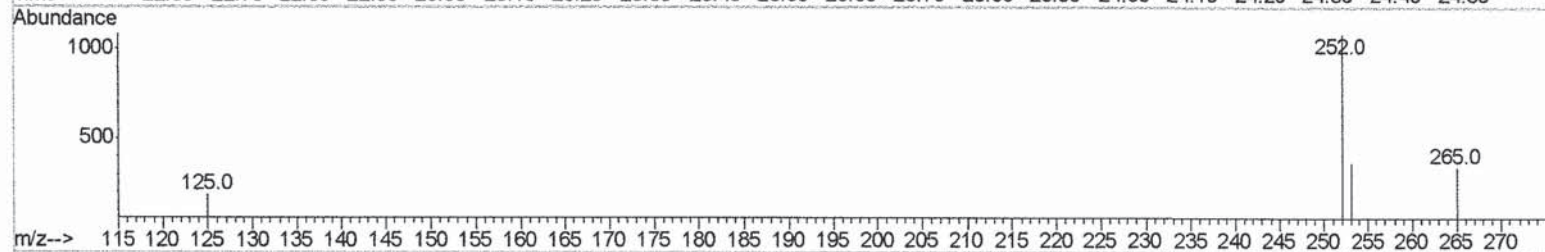
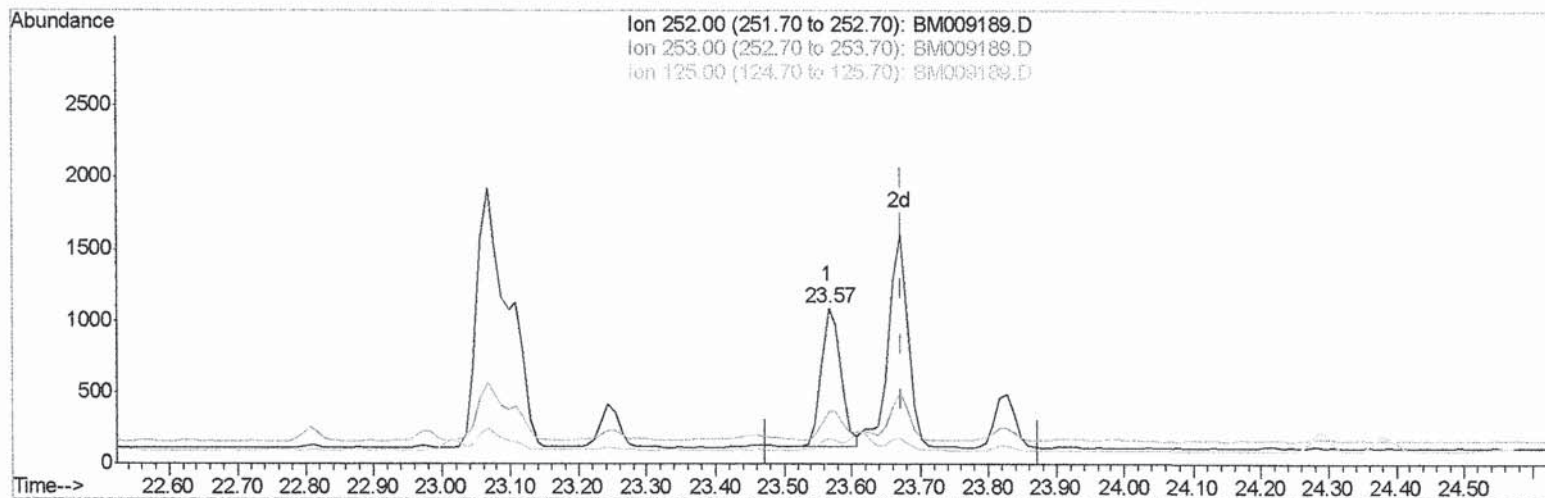
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:16:53 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009189.D

(23) Benzo(a)pyrene (C)

23.566min (-0.108) 0.56ng/ul

response 1989

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.95
125.00	22.60	16.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

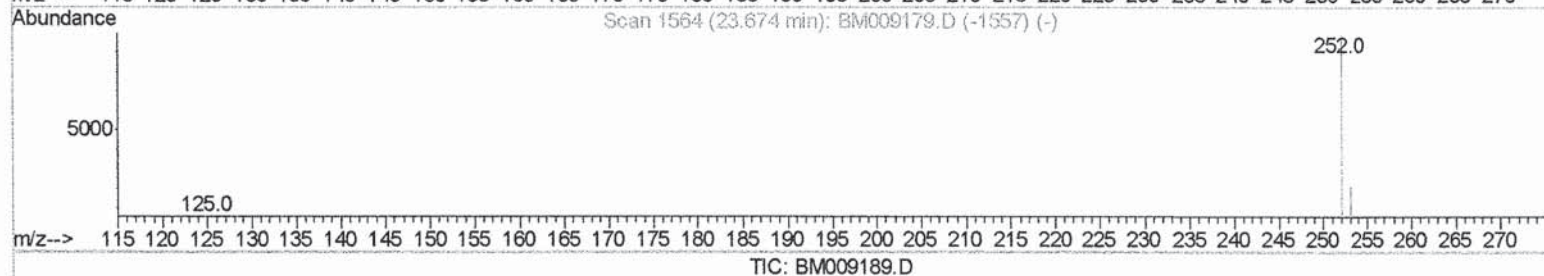
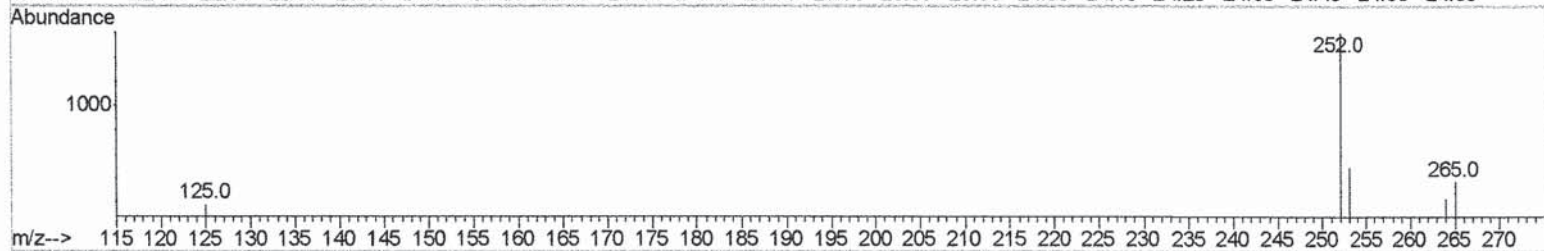
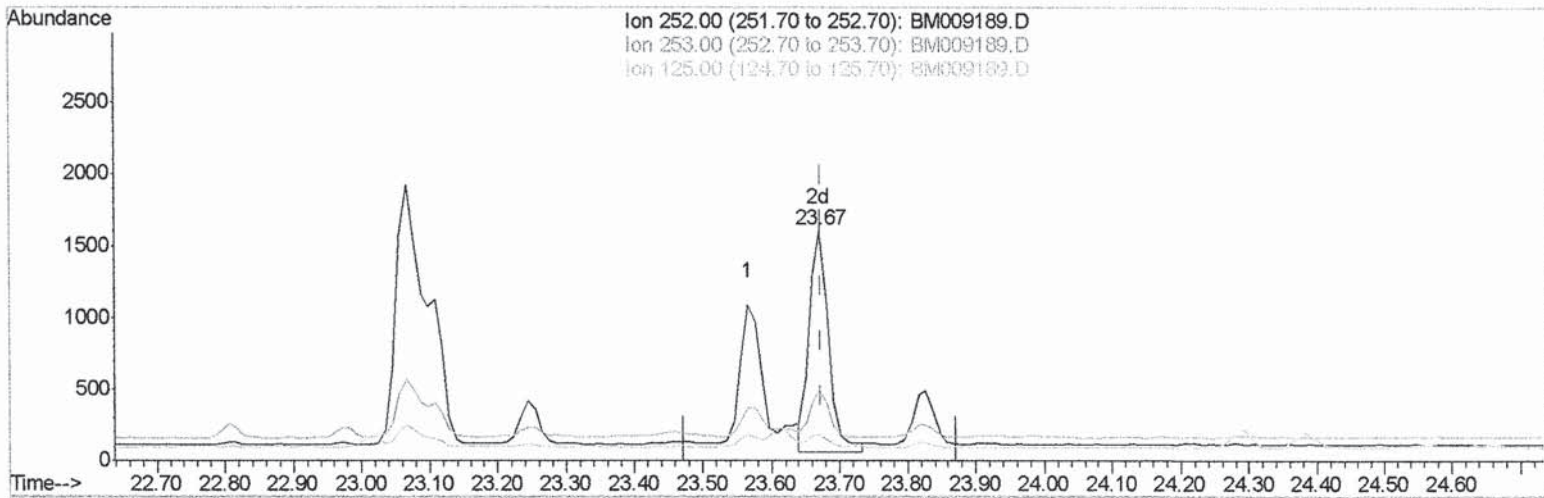
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
 C0AL3

Manual Integrations
APPROVED

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 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.670min (-0.003) 0.86ng/ul m

response 3078

Ion	Exp%	Act%
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252.00	100	100
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253.00	35.60	31.02
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125.00	22.60	11.67#
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0.00	0.00	0.00
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> $\frac{55}{03/13/17}$

Quantitation Report (Qedit)

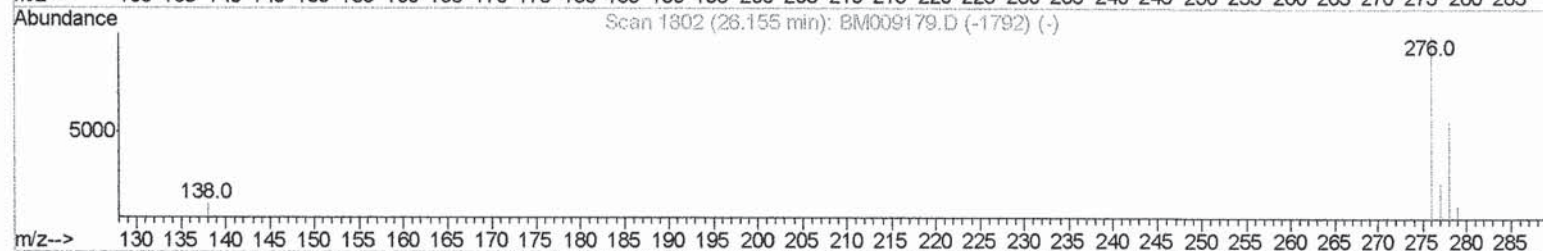
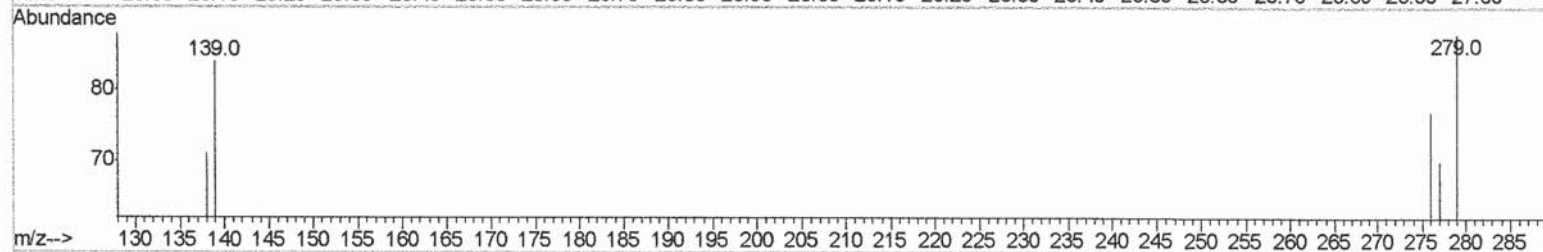
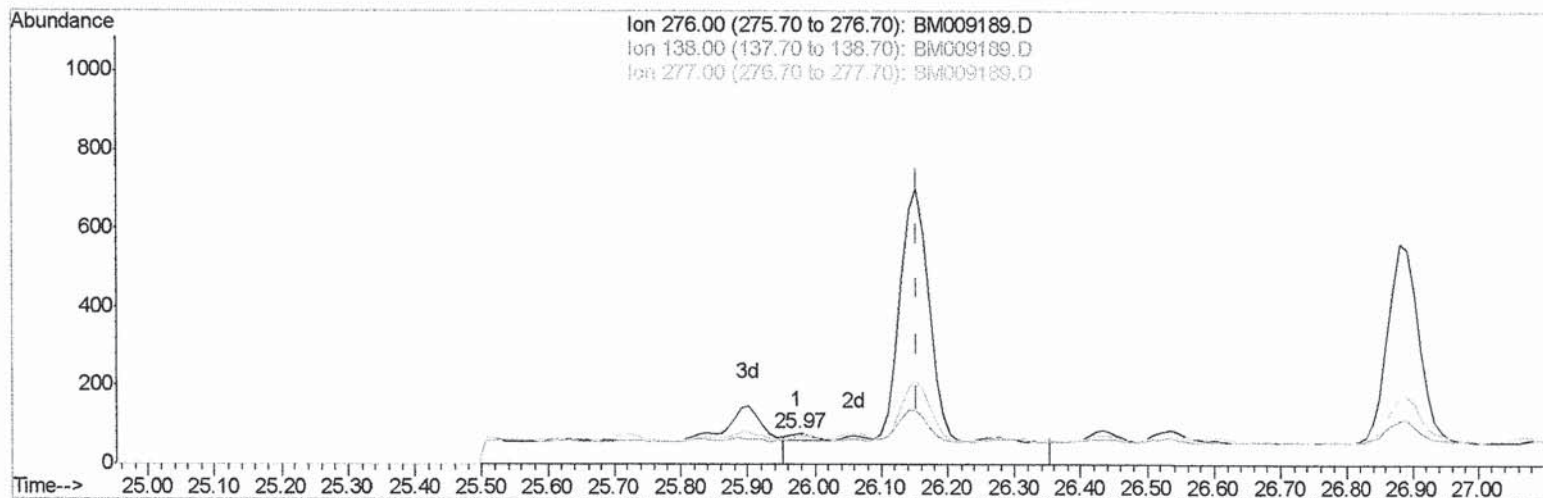
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
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TIC: BM009189.D

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

25.974min (-0.181) 0.01ng/ul

response 33

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	139.39#
277.00	24.50	75.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

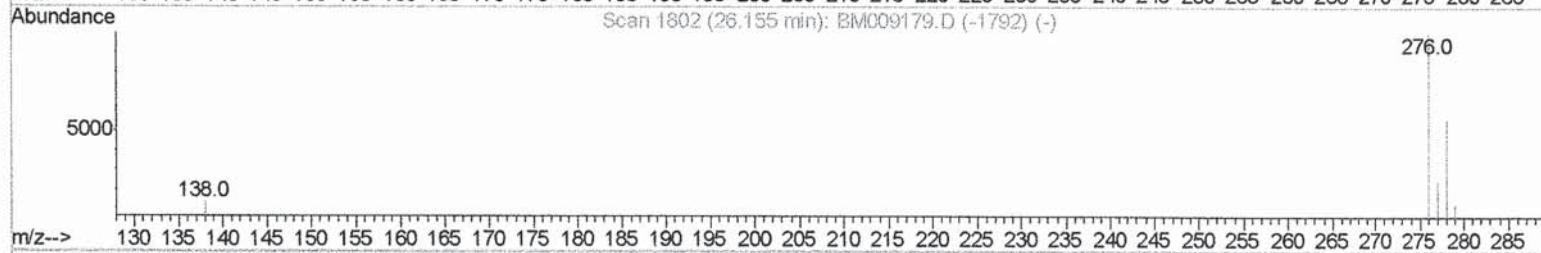
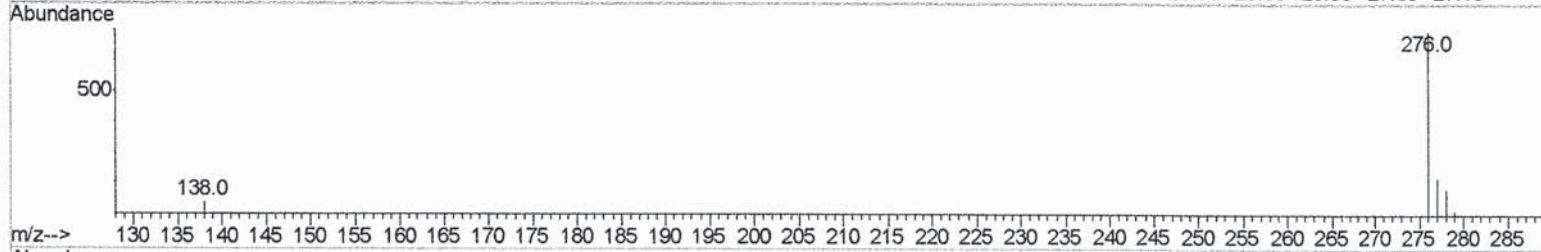
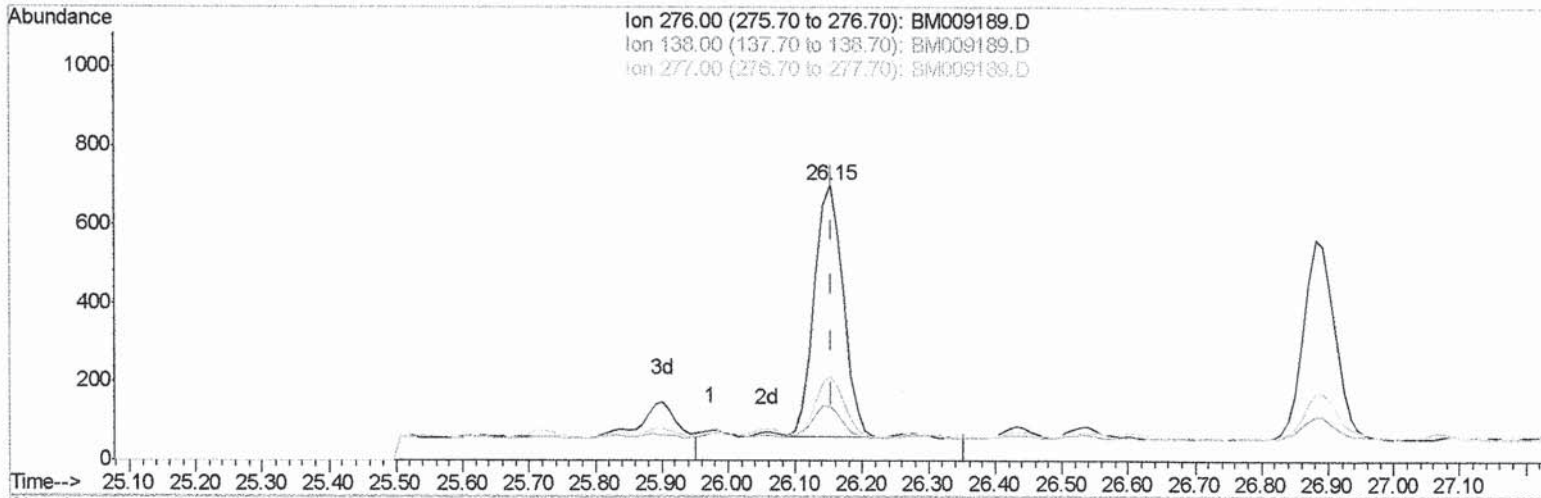
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
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Manual Integrations
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TIC: BM009189.D

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

26.151min (-0.003) 0.42ng/ul m

response 1923

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	2.39#
277.00	24.50	1.30#
0.00	0.00	0.00

SJ
 03/13/17

Quantitation Report (Qedit)

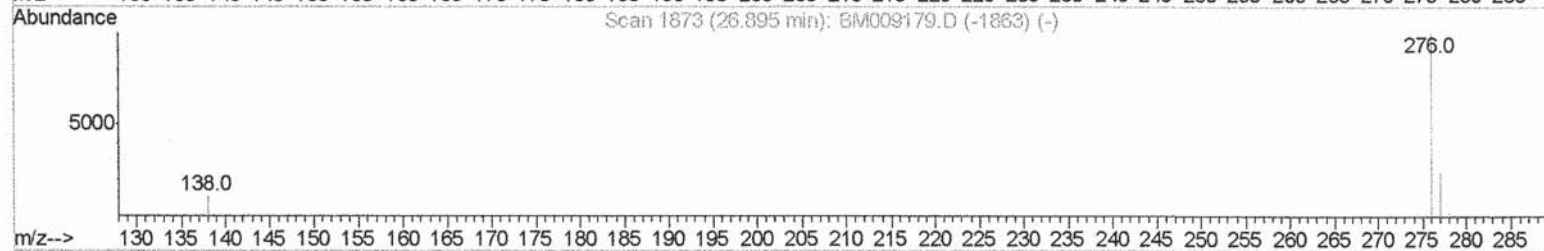
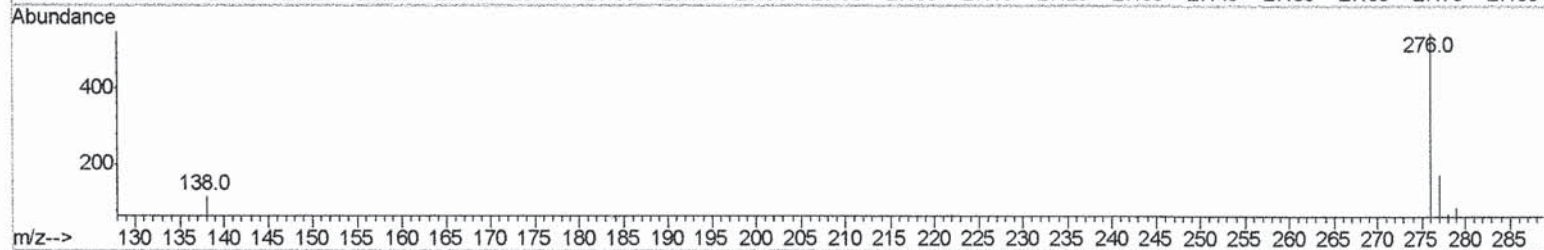
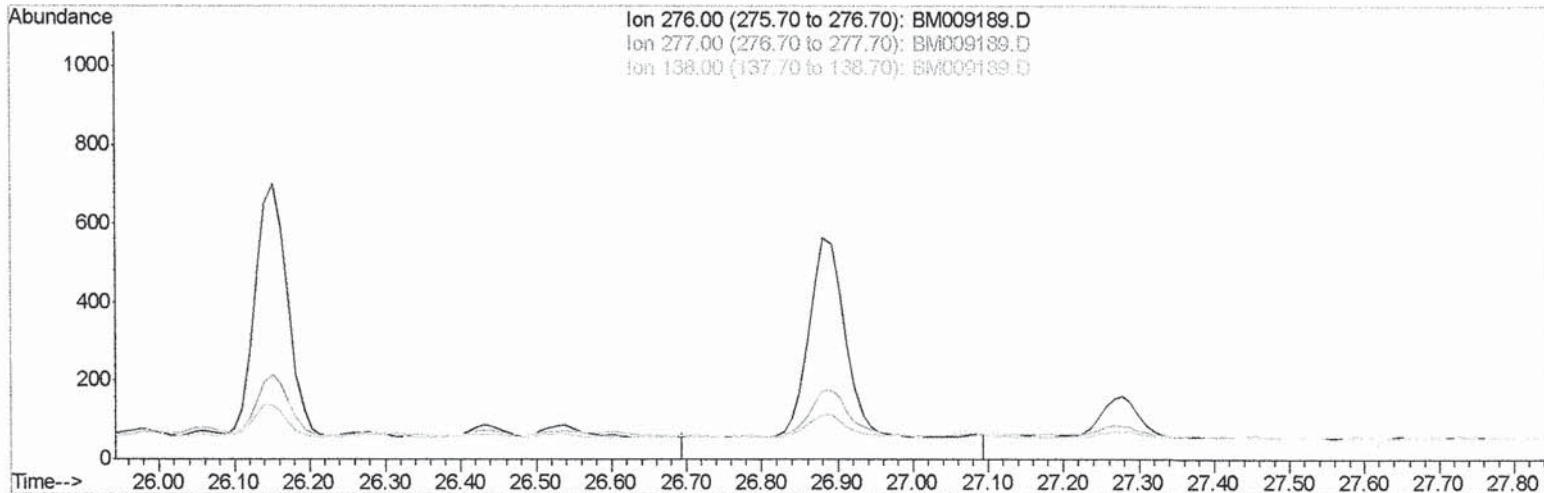
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
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 ALS Vial : 23 Sample Multiplier: 1

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Manual Integrations
 APPROVED

mohammad
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Scan 1873 (26.895 min): BM009179.D (-1863) (-)

TIC: BM009189.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

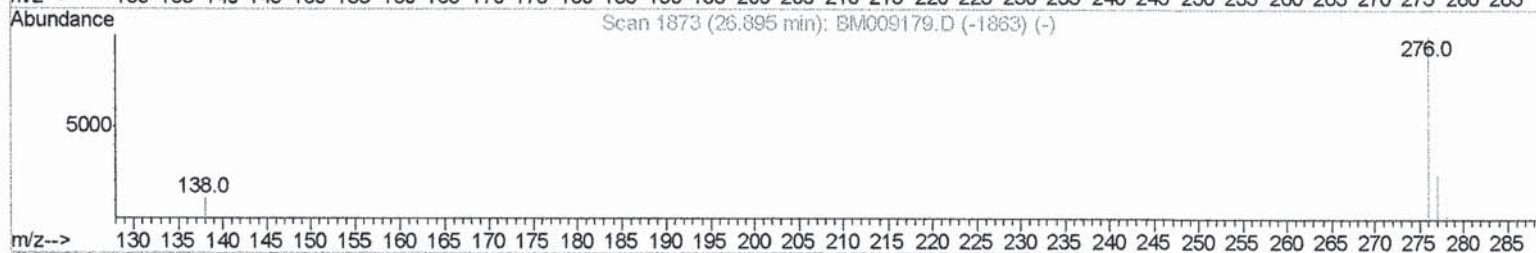
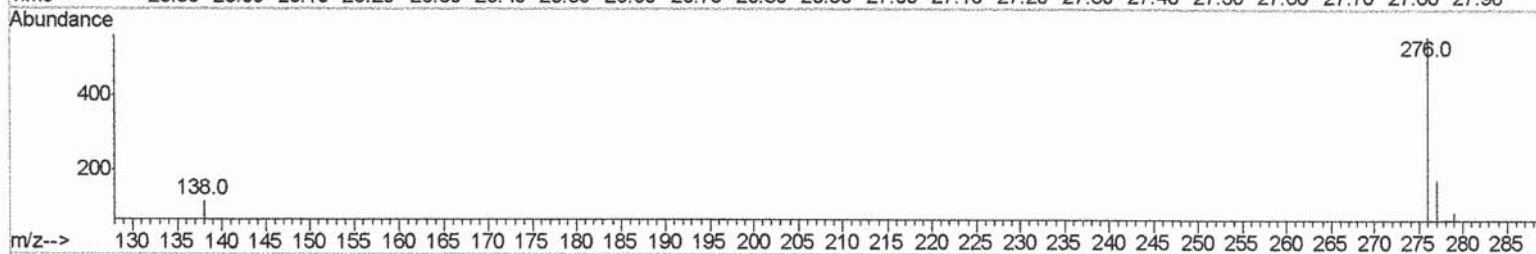
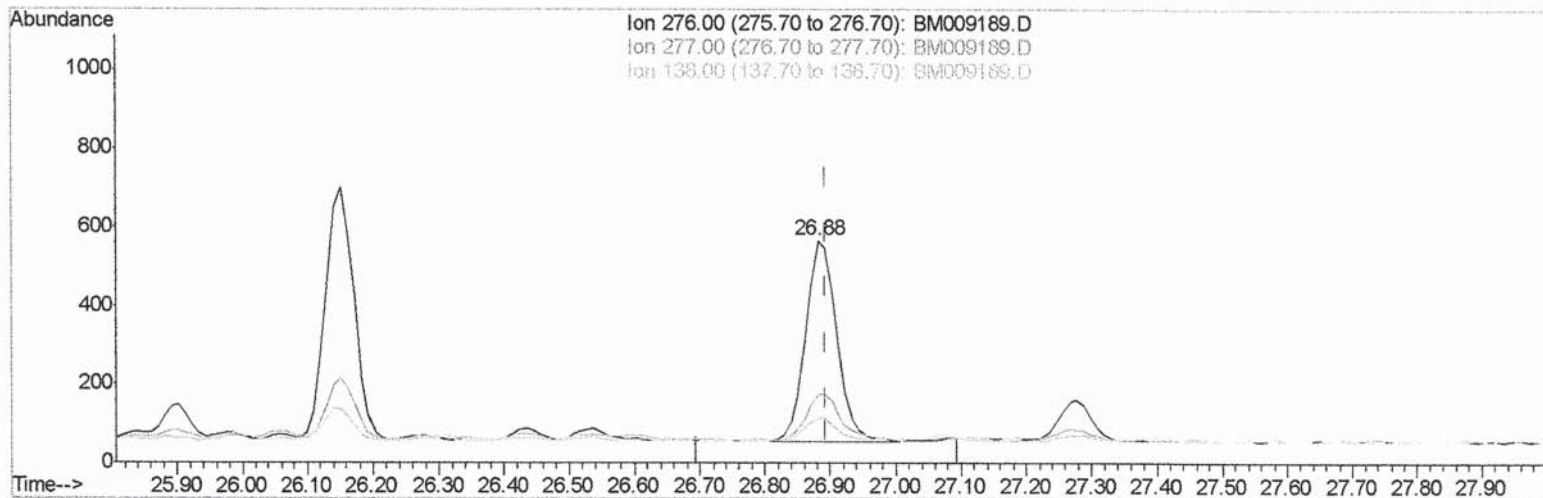
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009189.D
Acq On : 10 Mar 2017 23:32
Operator : SJ/MA
Sample : I2107-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AL3

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:16:53 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: BM009189.D

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

26.881min (-0.014) 0.44ng/ul m

response 1707

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	30.80
138.00	25.60	20.18#
0.00	0.00	0.00

SS
03/13/17

Quantitation Report (Qedit)

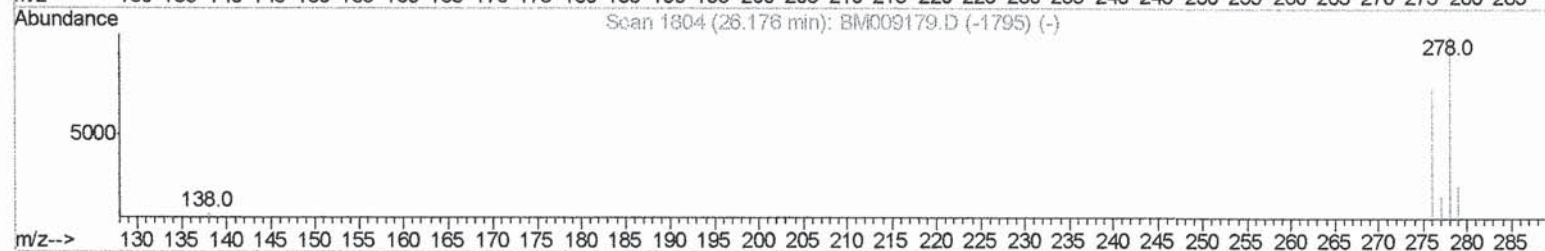
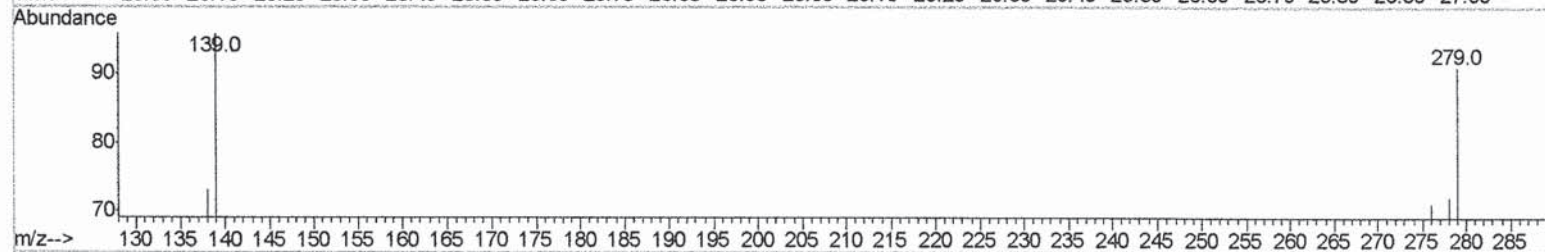
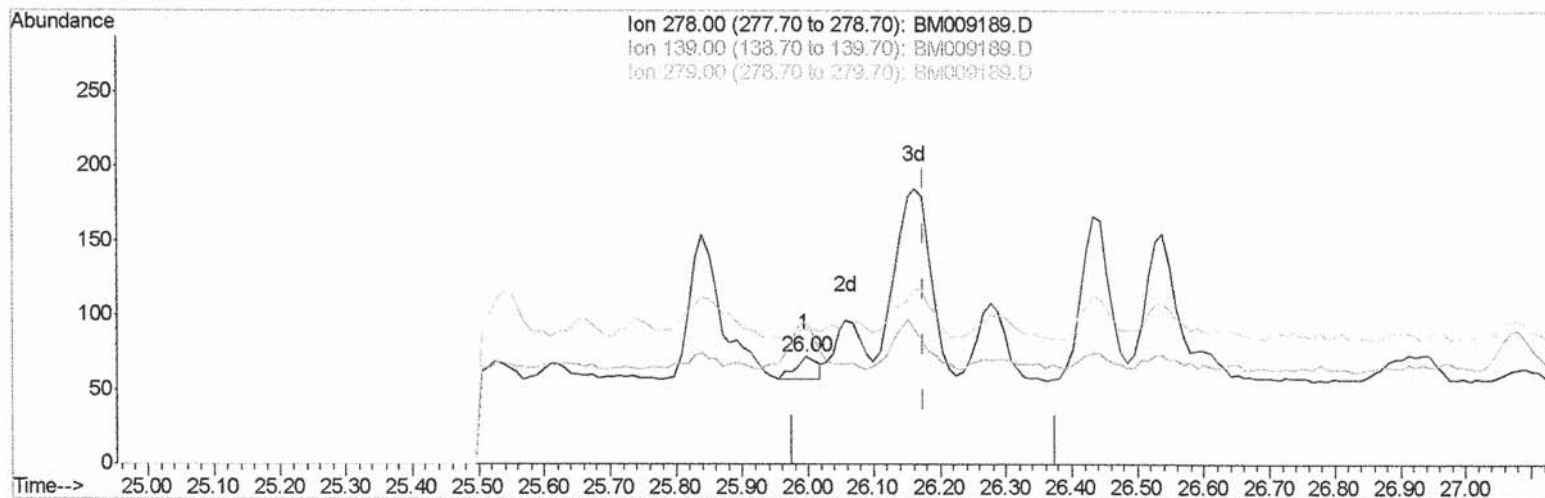
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:18:22 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: BM009189.D

(25) Dibenzo(a,h)anthracene

25.995min (-0.181) 0.01ng/ul

response 36

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	133.33#
279.00	32.40	126.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

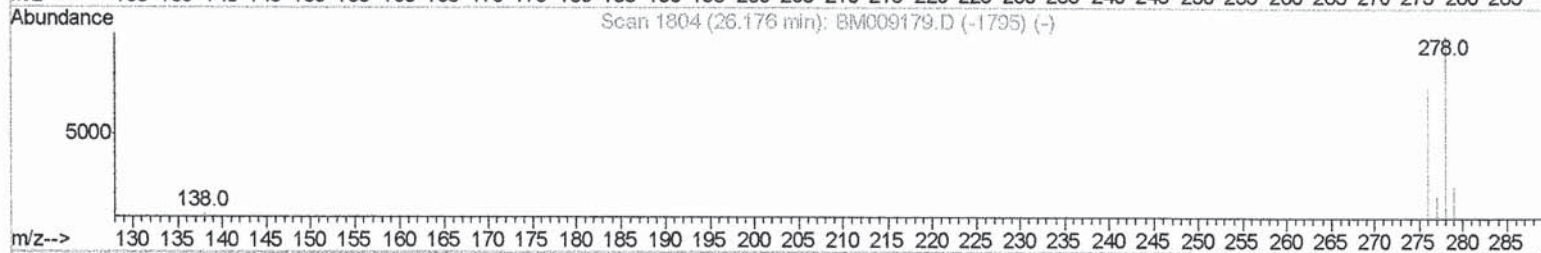
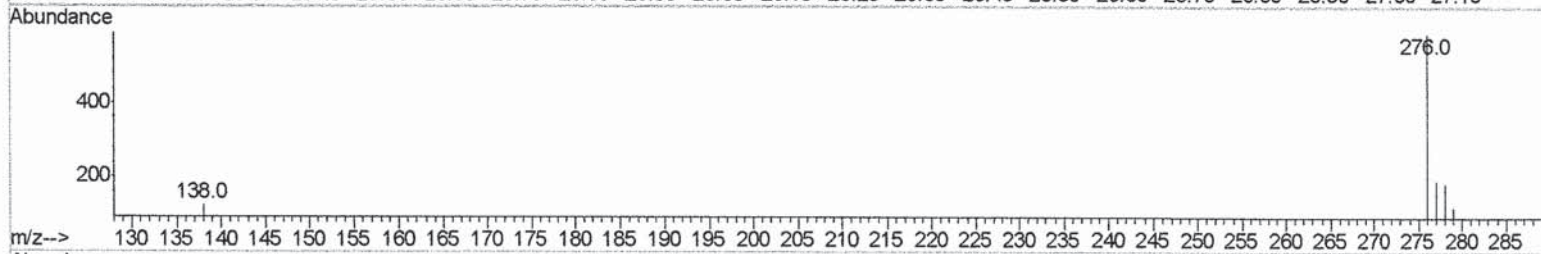
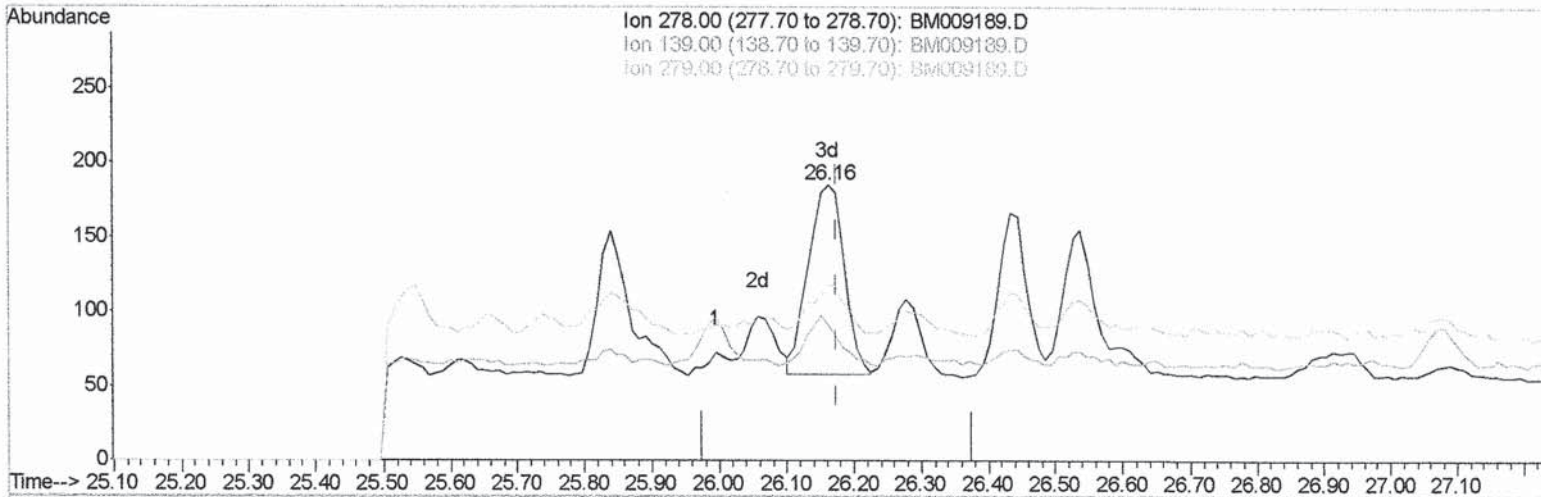
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:18:22 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: BM009189.D

(25) Dibenzo(a,h)anthracene

26.162min (-0.014) 0.12ng/ul m

response 474

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	49.19#
279.00	32.40	64.32#
0.00	0.00	0.00

SJ
 03/13/17

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009189.D
 Acq On : 10 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2107-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAL3

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:24 PM

Quant Time: Mar 11 02:18:55 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	263	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	868	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	544	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1278m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1210	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1012m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	283	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	812	0.20	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	258	0.10	ng/ul#	56
5) 2-Methylnaphthalene	12.34	142	154	0.09	ng/ul	96
7) Acenaphthylene	14.23	152	215	0.08	ng/ul#	44
8) Acenaphthene	14.57	153	228	0.10	ng/ul#	87
9) Fluorene	15.56	166	303	0.12	ng/ul#	81
12) Phenanthrene	17.30	178	5371	1.34	ng/ul	98
13) Anthracene	17.40	178	1147	0.29	ng/ul#	92
15) Fluoranthene	19.33	202	10254	1.96	ng/ul	94
17) Pyrene	19.69	202	8396	2.02	ng/ul	97
18) Benzo(a)anthracene	21.42	228	3759	0.93	ng/ul	98
19) Chrysene	21.47	228	3598	0.94	ng/ul	94
21) Benzo(b)fluoranthene	23.07	252	4757m	1.20	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	1335m	0.38	ng/ul	
23) Benzo(a)pyrene	23.67	252	3078m	0.86	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	1923m	0.42	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	474m	0.12	ng/ul	
26) Benzo(a,h,i)perylene	26.88	276	1707m	0.44	ng/ul	

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