

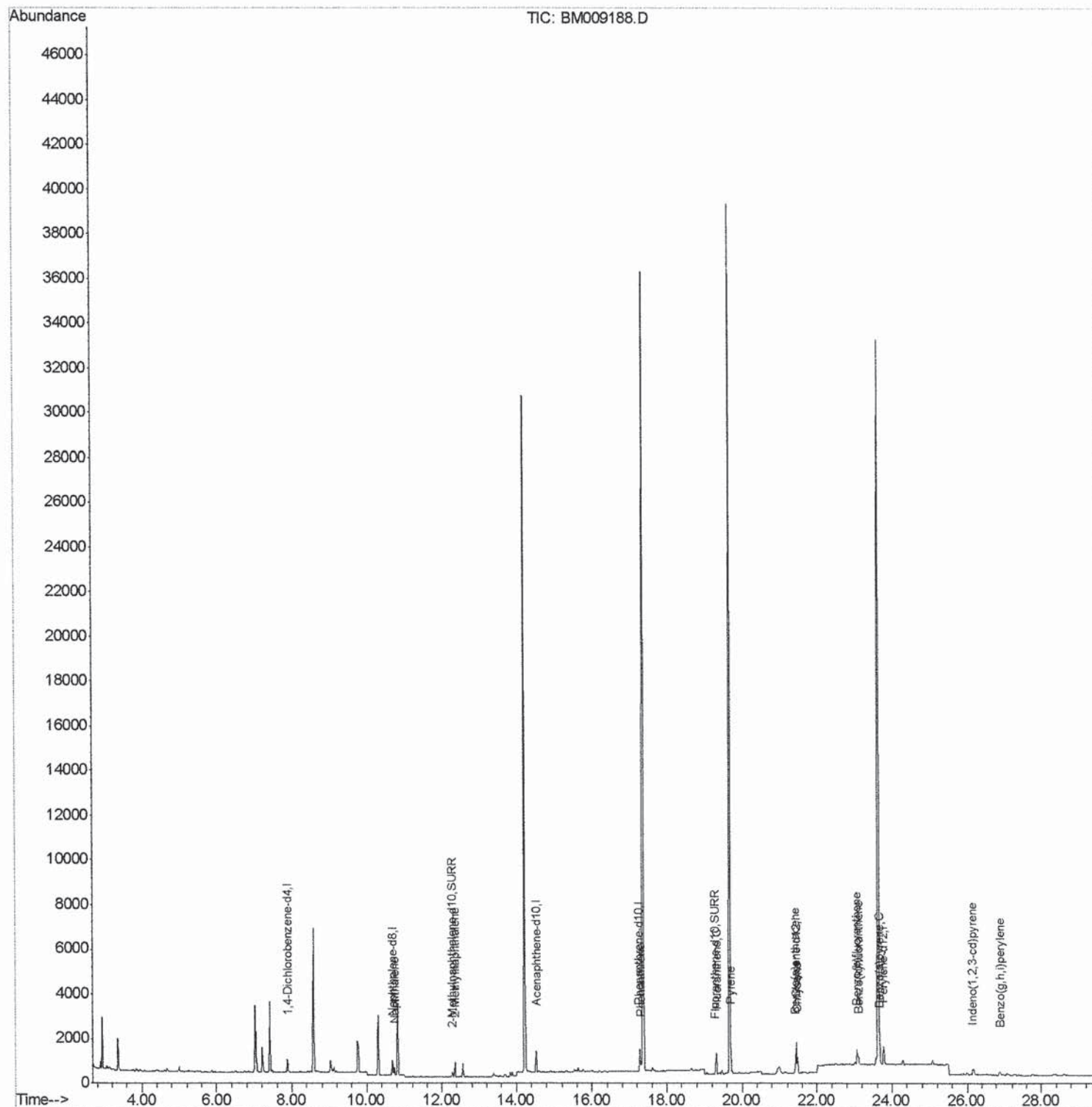
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK9

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:22 PM

Quant Time: Mar 11 02:15:39 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



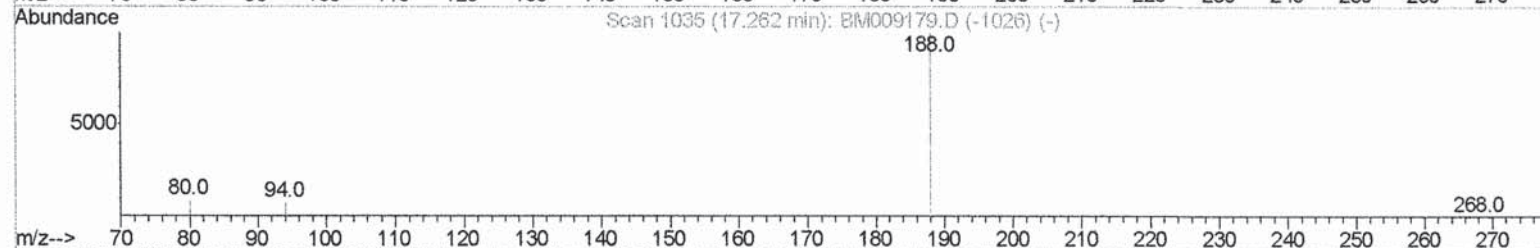
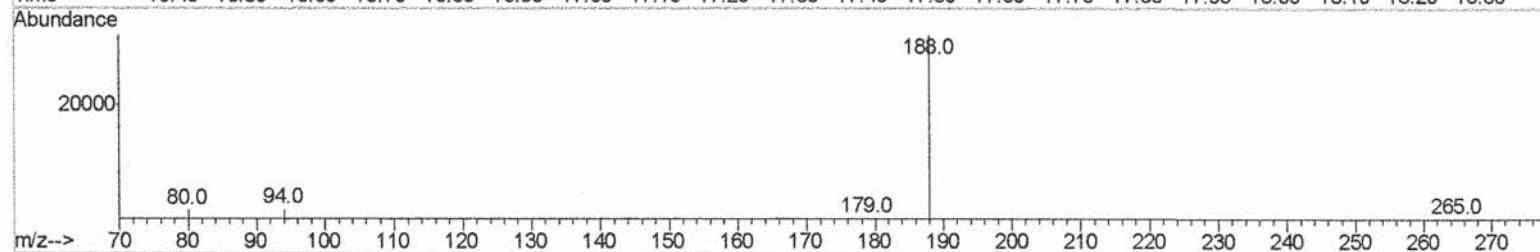
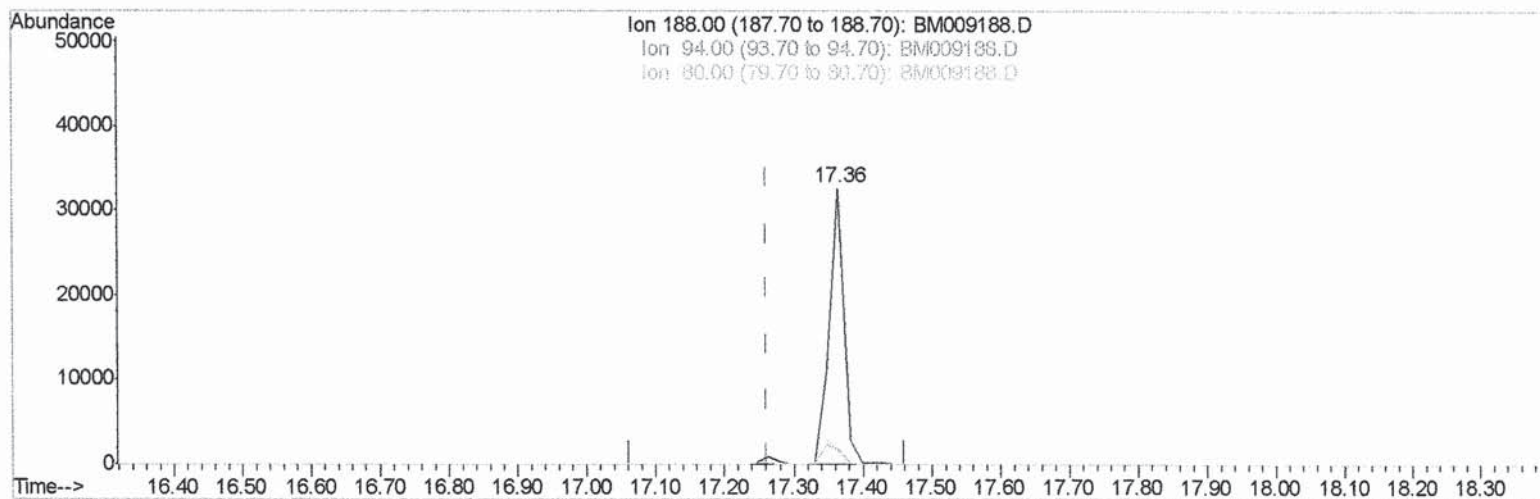
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK9

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:22 PM

Quant Time: Mar 11 00:55:41 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: BM009188.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 48066

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.29#
80.00	11.80	4.85#
0.00	0.00	0.00

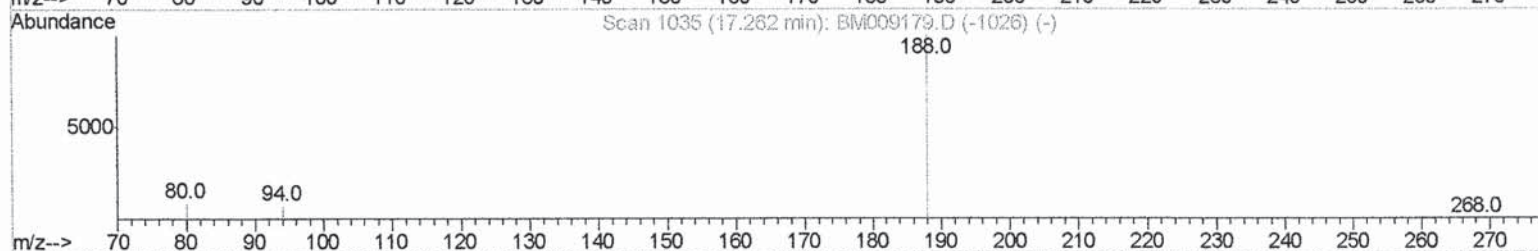
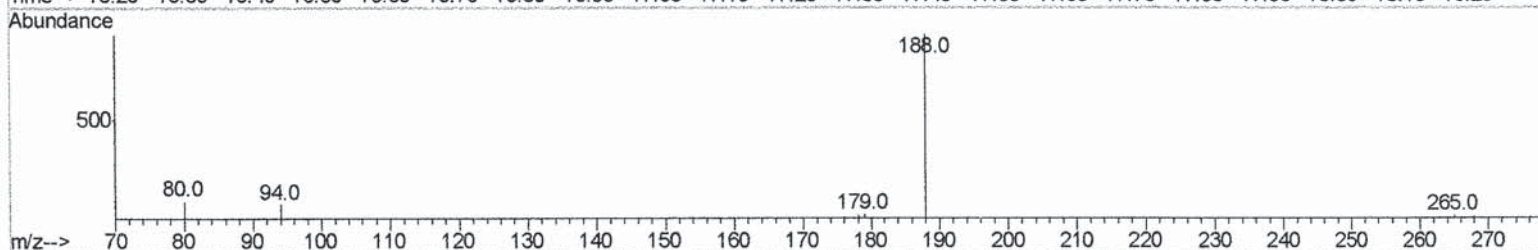
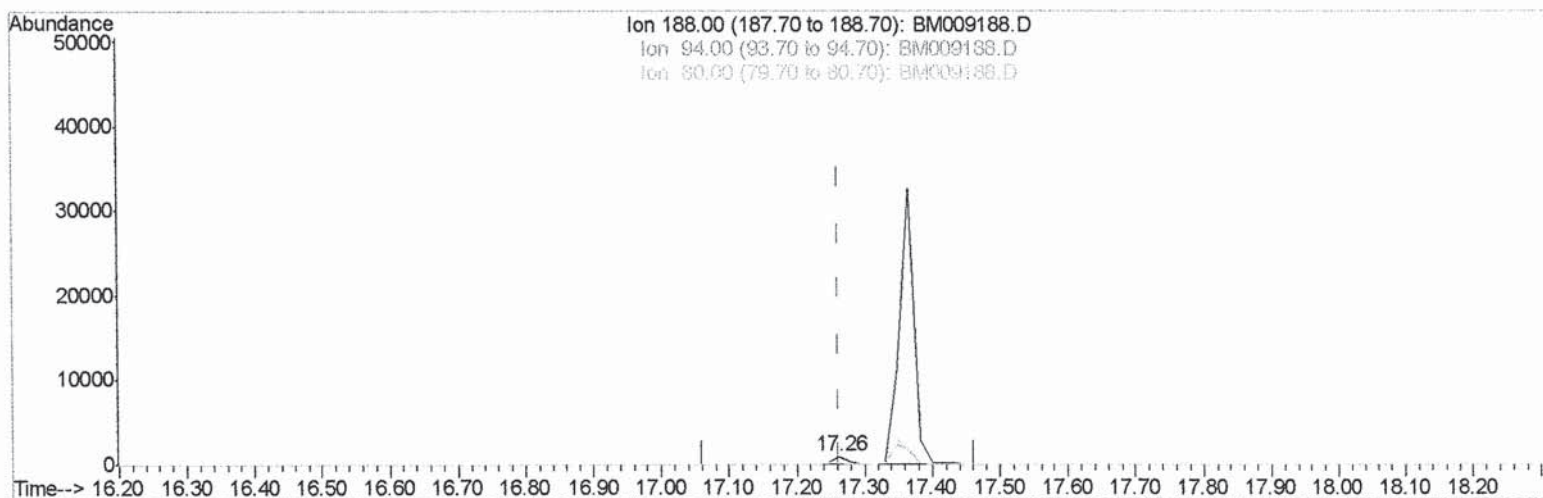
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:22 PM

Quant Time: Mar 11 00:55:41 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: BM009188.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m

response 1287

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.22
80.00	11.80	13.78
0.00	0.00	0.00

> $\frac{1.3}{0.313117}$

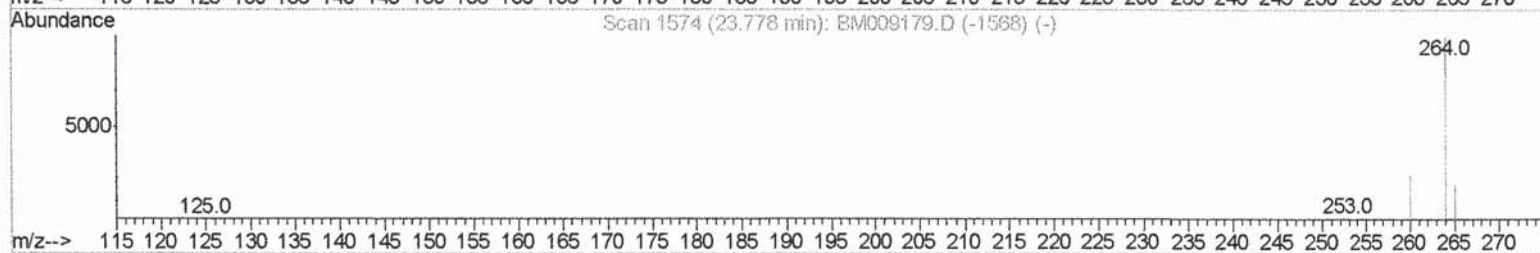
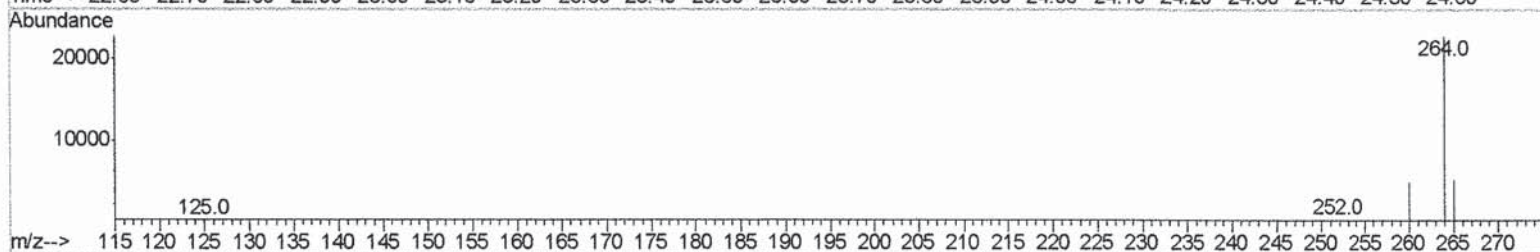
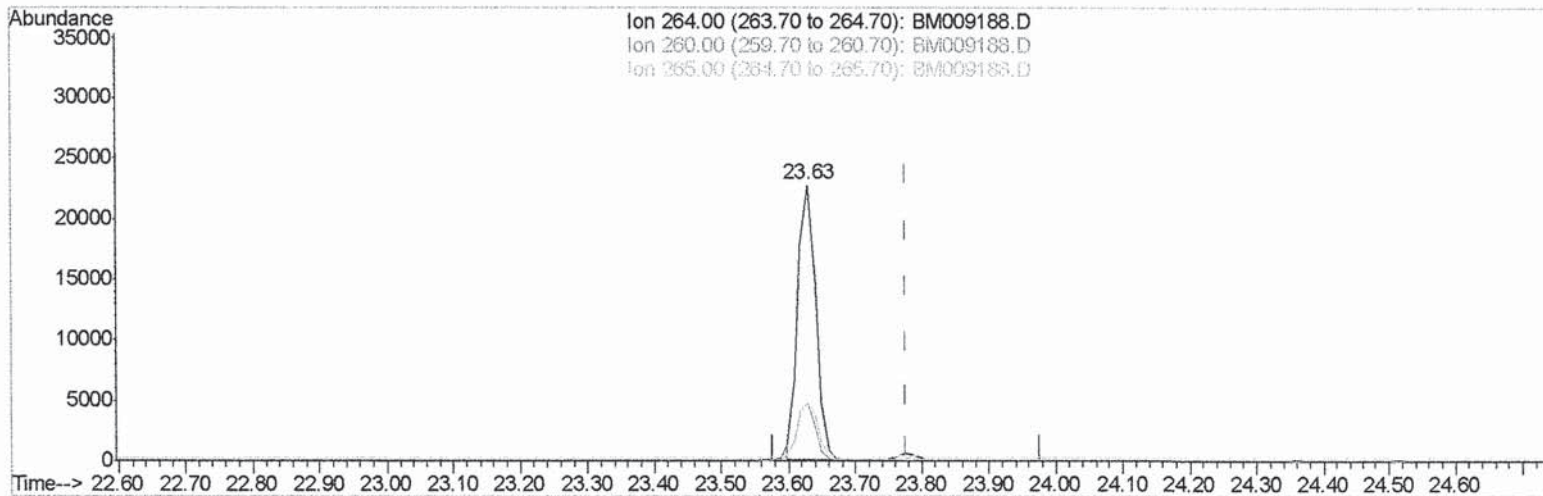
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Mar 11 00:55:41 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: BM009188.D

(20) Perylene-d12 (I)

23.629min (-0.149) 0.40ng/ul

response 42219

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.93#
265.00	103.50	22.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

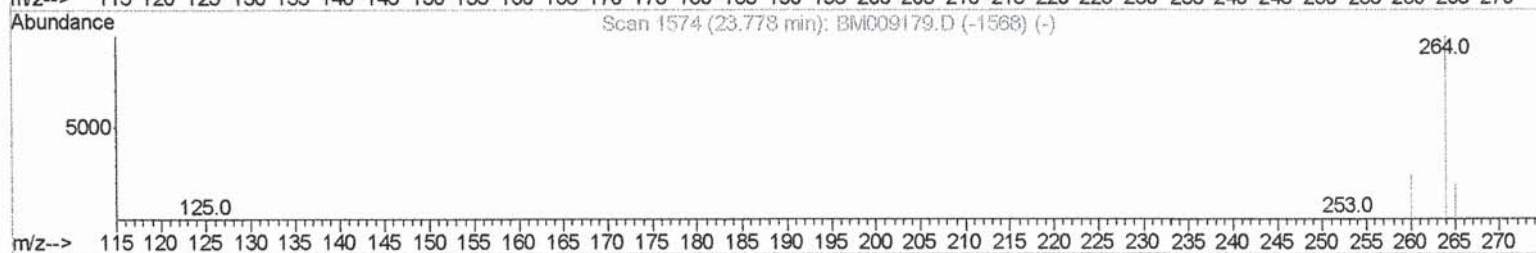
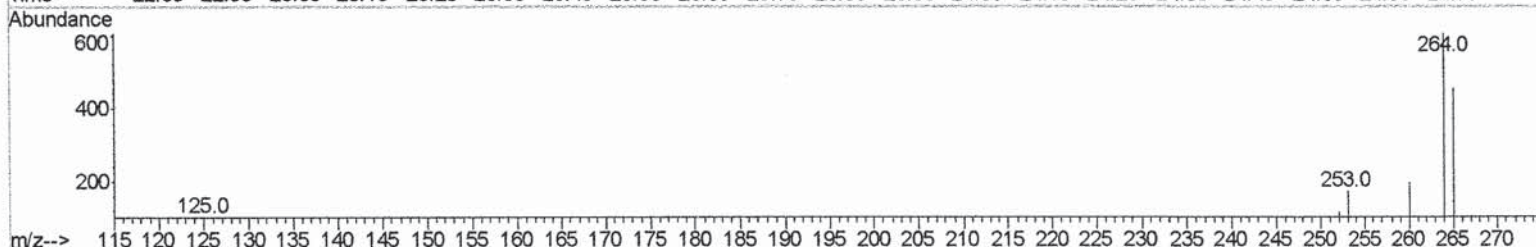
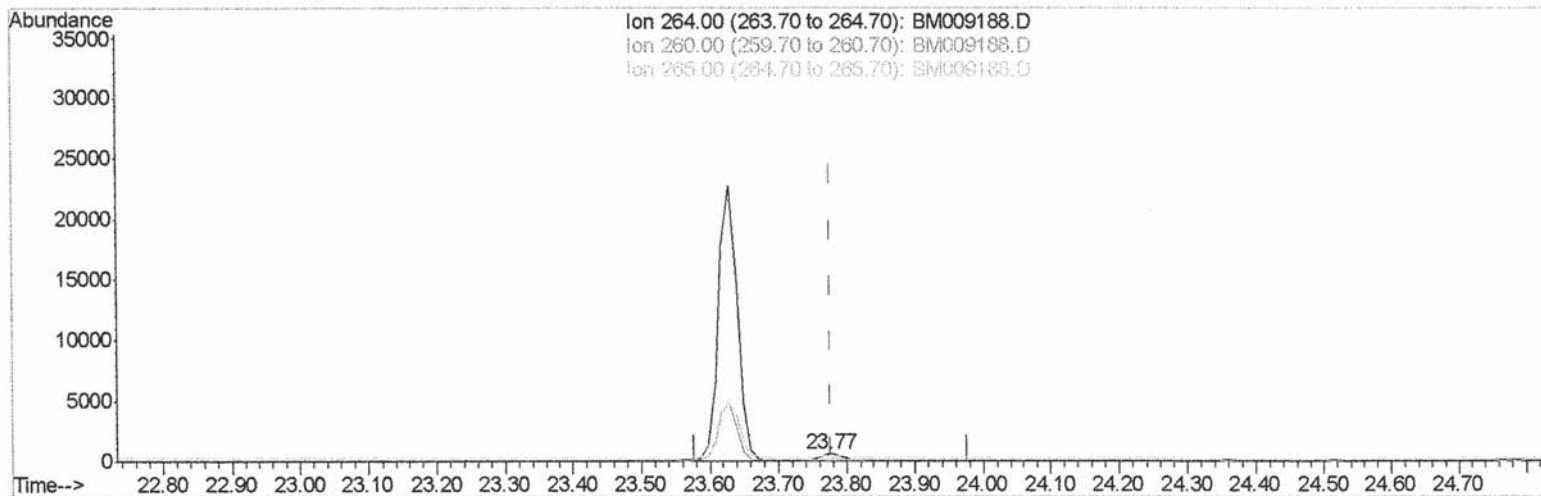
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 00:55:41 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: BM009188.D

(20) Perylene-d12 (I)

23.775min (-0.003) 0.40ng/ul m

response 1195

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.34
265.00	103.50	75.25#
0.00	0.00	0.00

JJ
 03/13/17

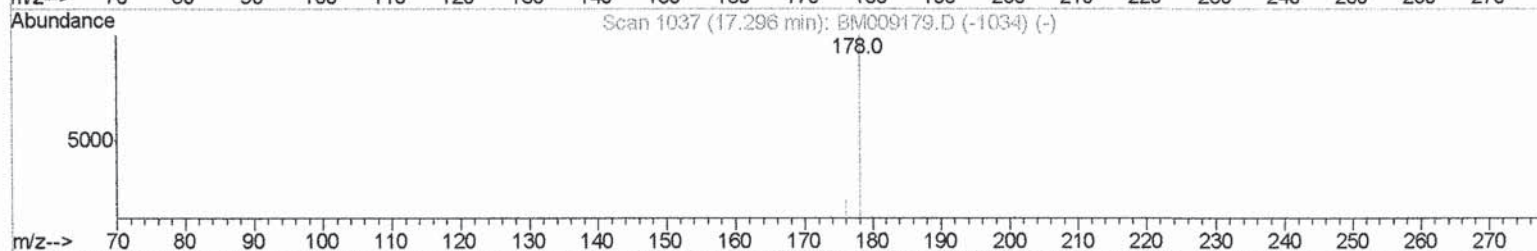
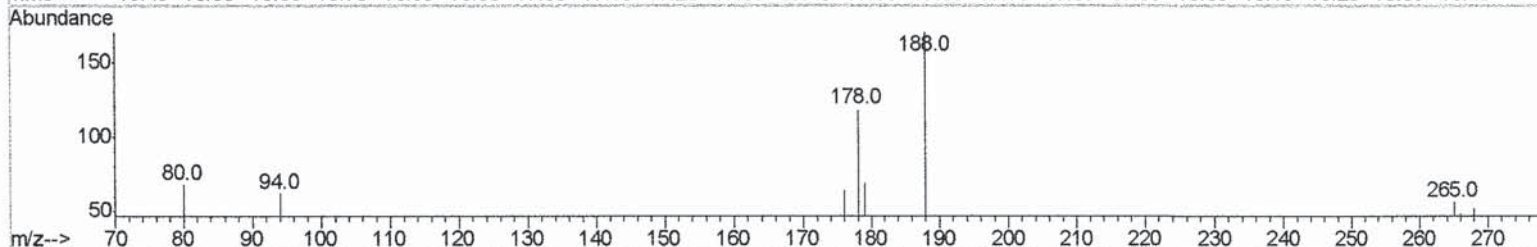
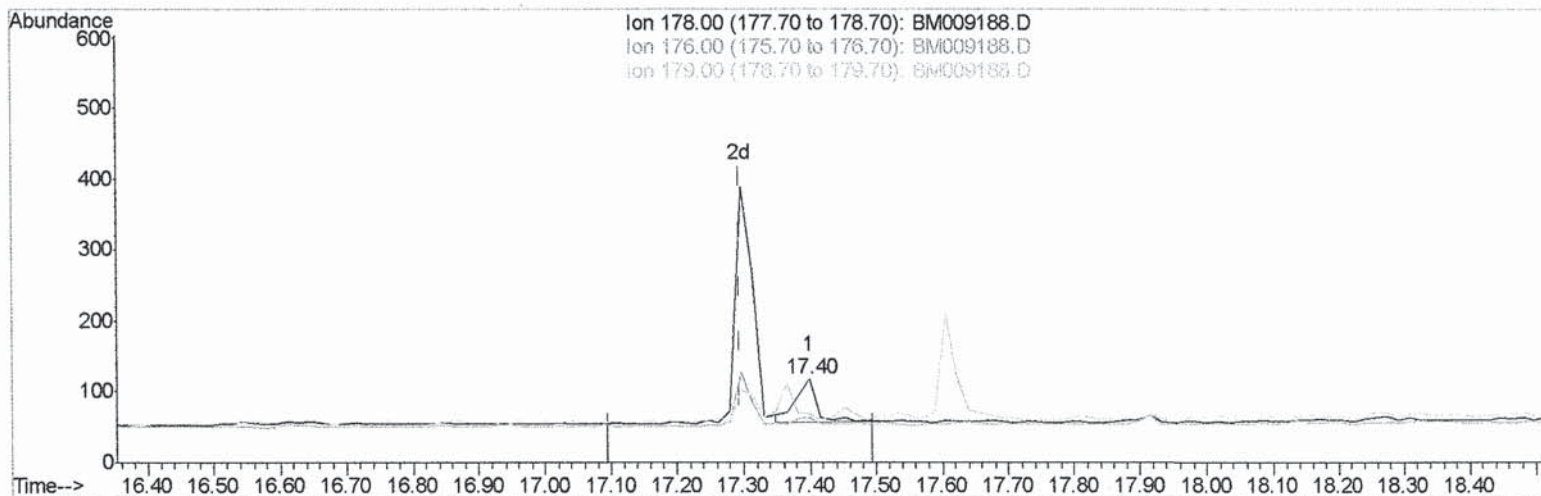
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK9

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:37:49 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: BM009188.D

(12) Phenanthrene

17.399min (+0.103) 0.03ng/ul

response 137

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	54.24#
179.00	17.00	58.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

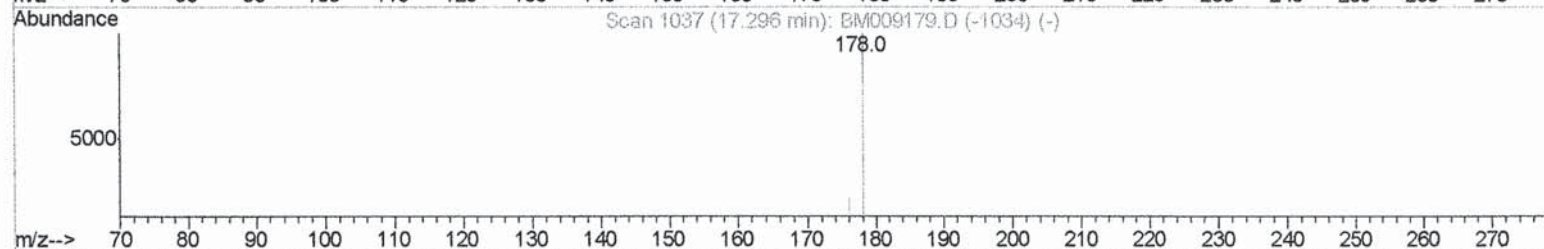
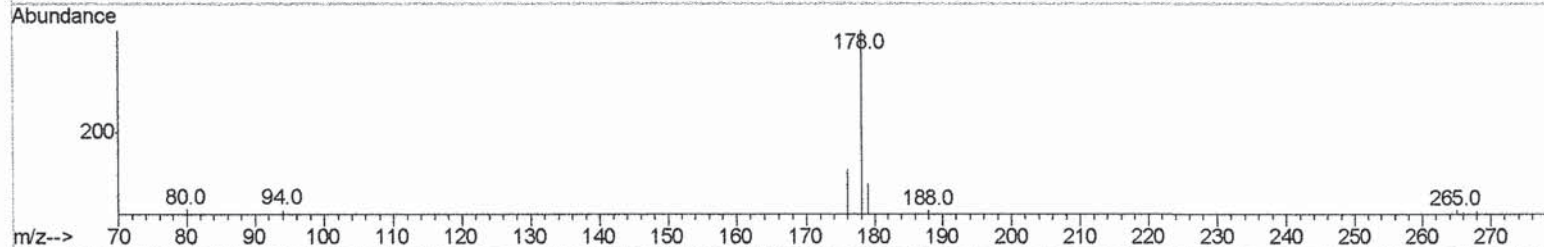
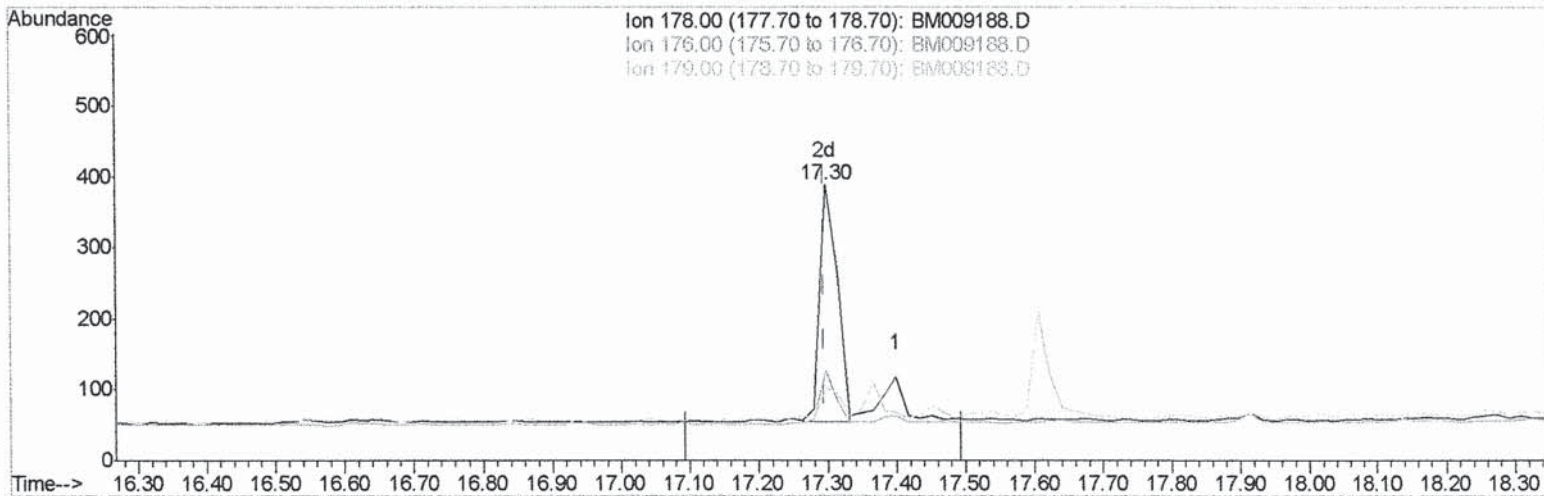
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:37:49 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: BM009188.D

(12) Phenanthrene

17.296min (-0.000) 0.15ng/ul m

response 593

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	32.90#
179.00	17.00	26.48#
0.00	0.00	0.00

SJ
03/13/17

Quantitation Report (Qedit)

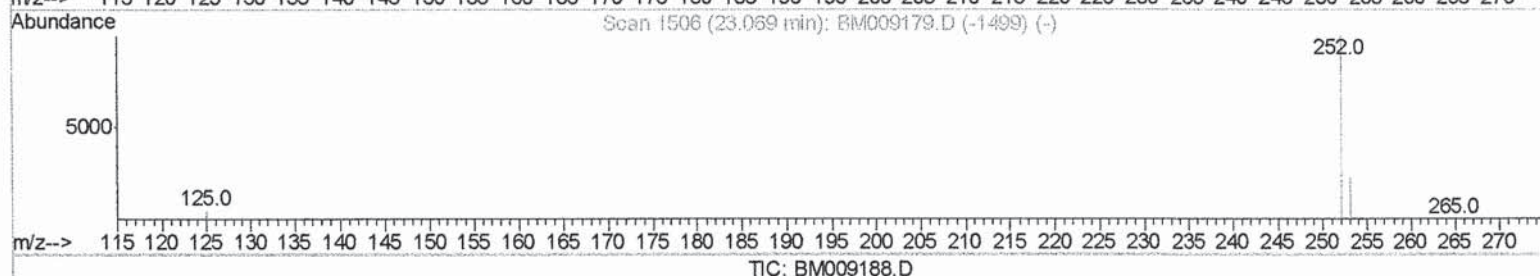
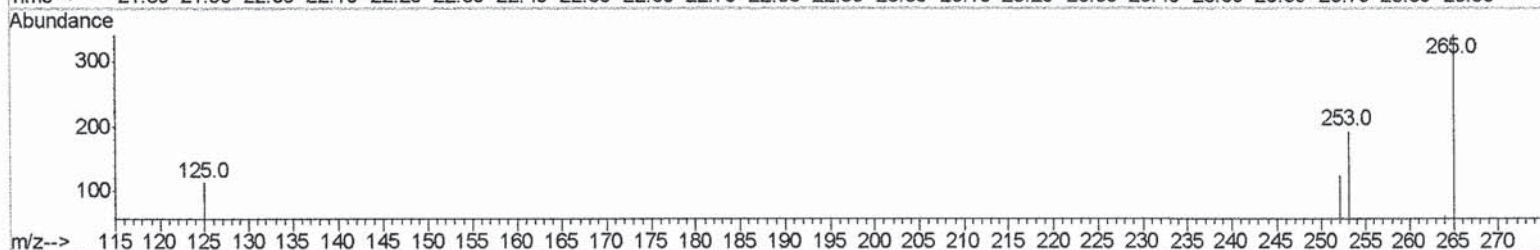
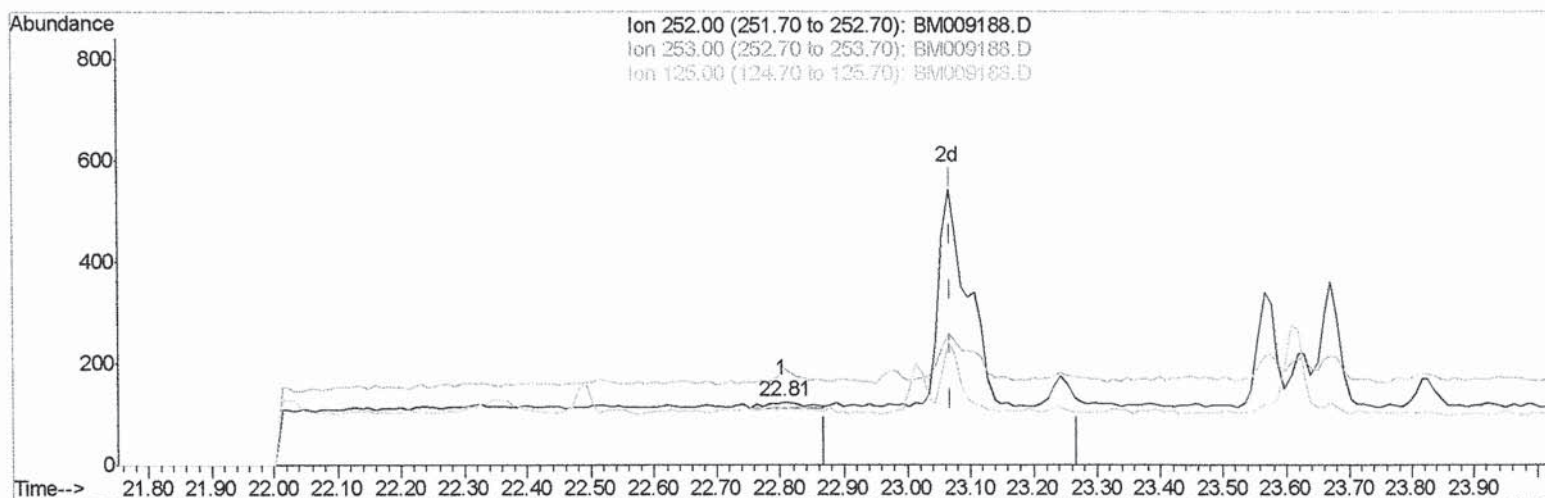
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 22.805min (-0.264) 0.01ng/ul
 response 53

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	154.84#
125.00	17.50	91.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

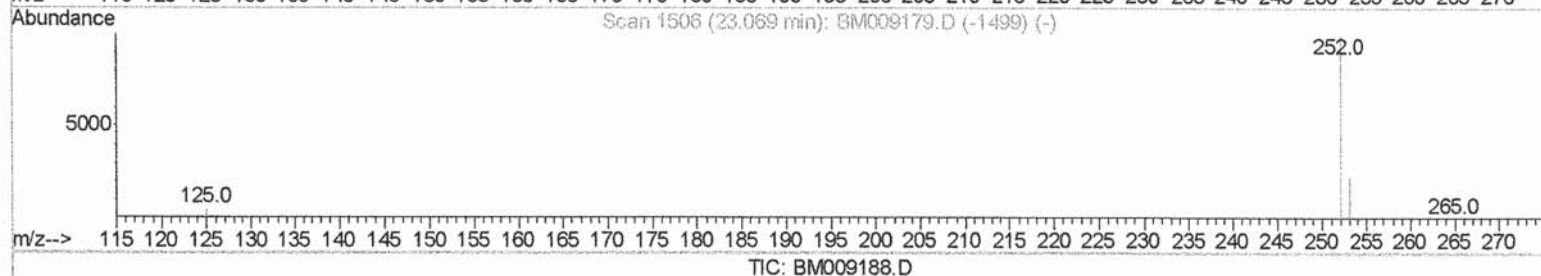
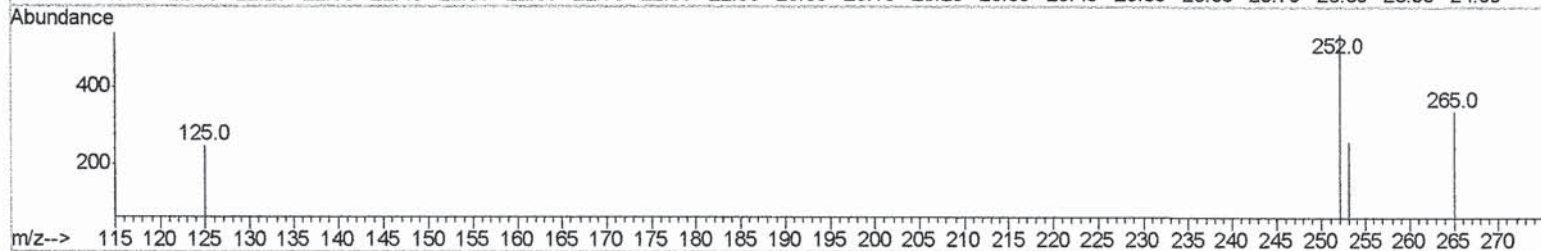
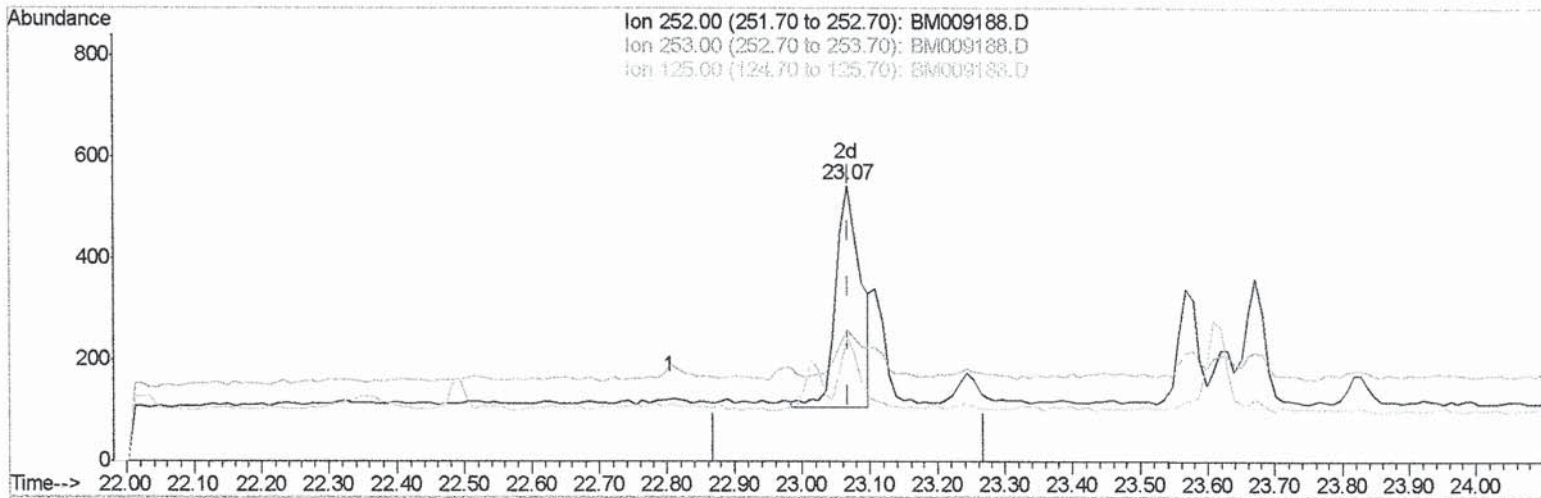
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.066min (-0.003) 0.24ng/ul m

response 1140

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	47.61
125.00	17.50	45.22#
0.00	0.00	0.00

SJ
03/13/17

Quantitation Report (Qedit)

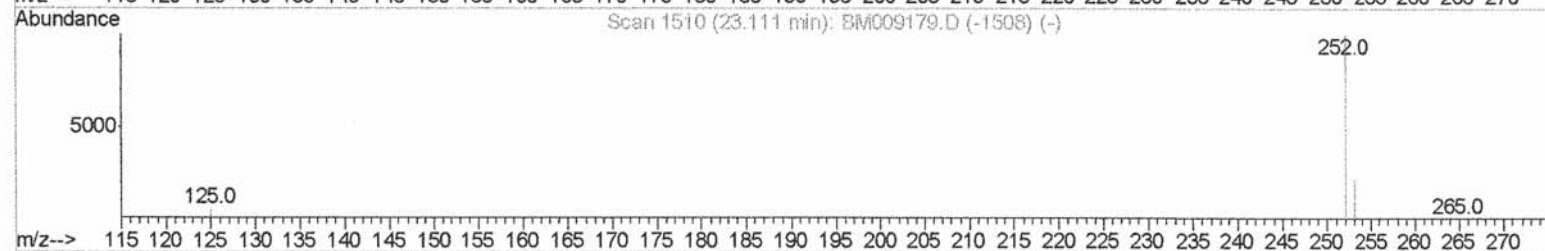
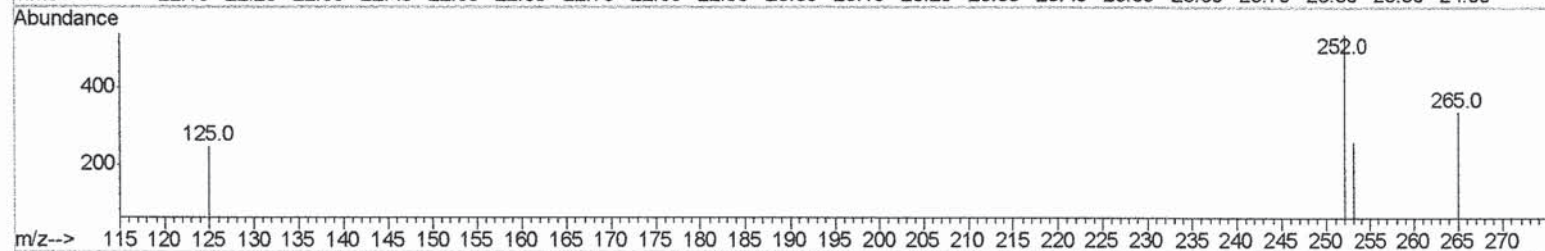
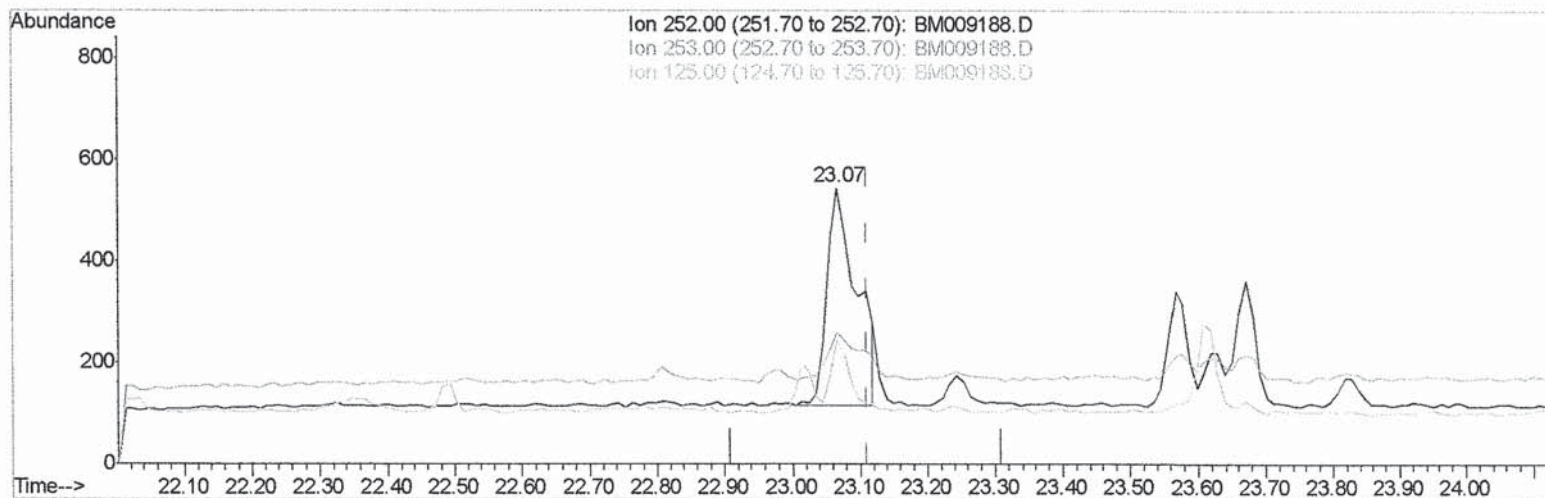
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
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mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009188.D

(22) Benzo(k)fluoranthene
 23.066min (-0.045) 0.32ng/ul
 response 1310

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	47.61#
125.00	17.10	45.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

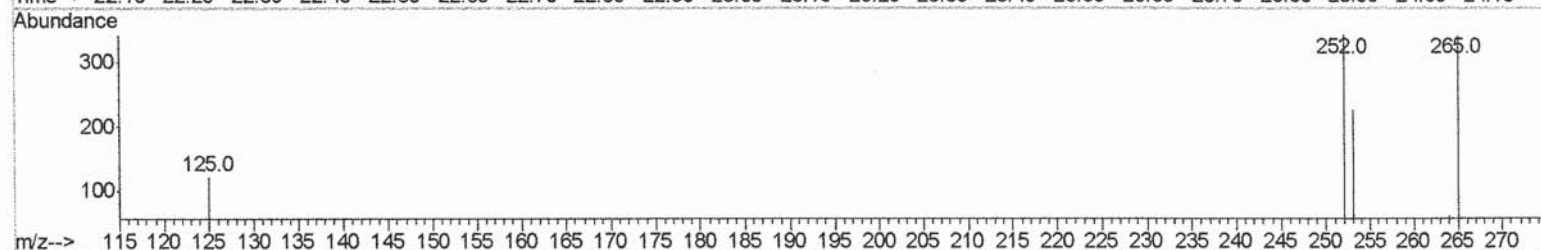
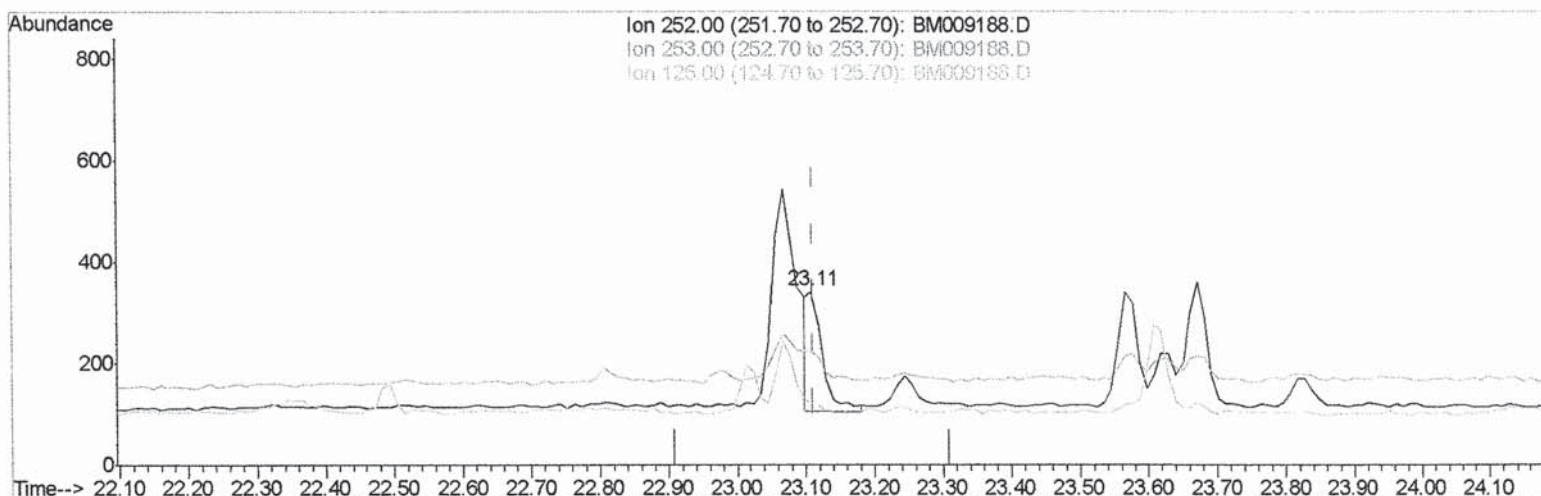
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.107min (-0.003) 0.08ng/ul m

response 345

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	65.50#
125.00	17.10	35.67#
0.00	0.00	0.00

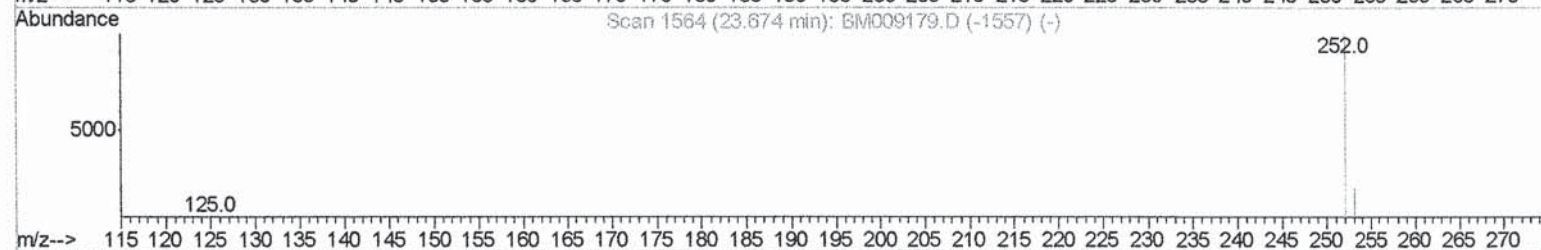
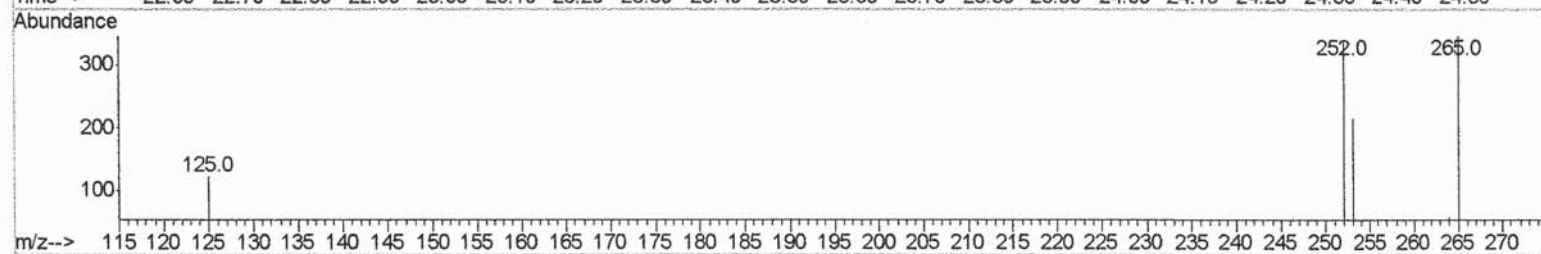
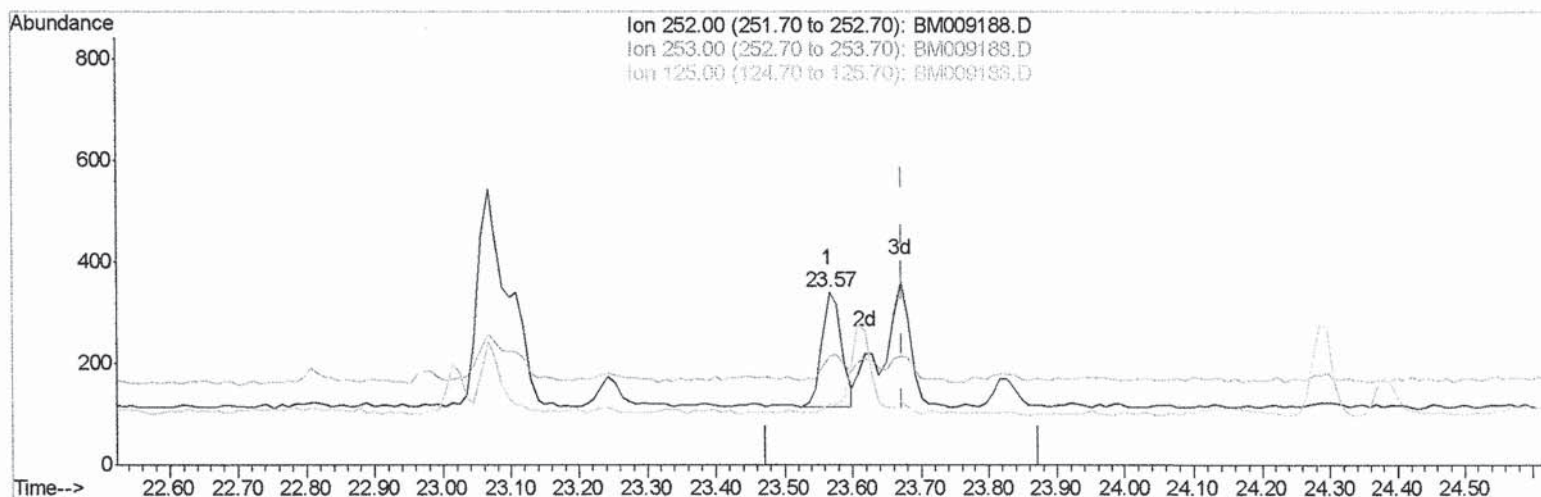
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK9

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 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: BM009188.D

(23) Benzo(a)pyrene (C)

23.566min (-0.108) 0.11ng/ul

response 458

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	63.24#
125.00	22.60	35.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

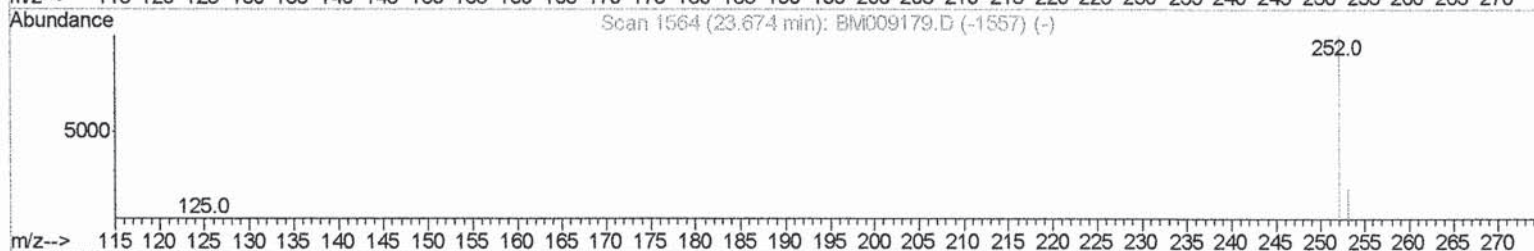
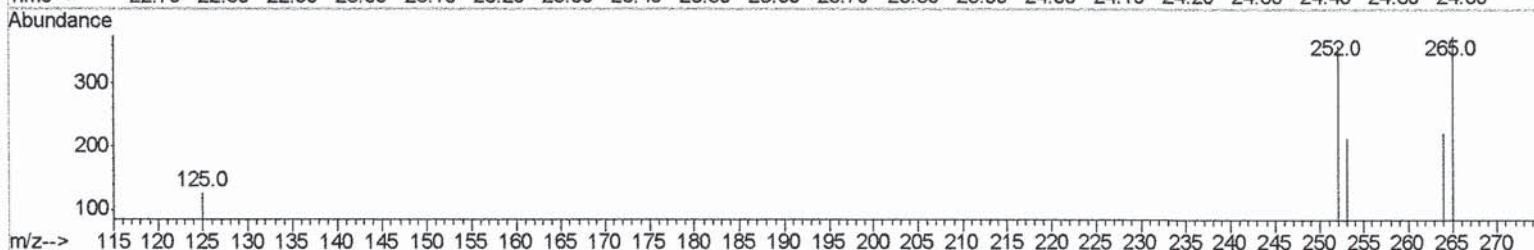
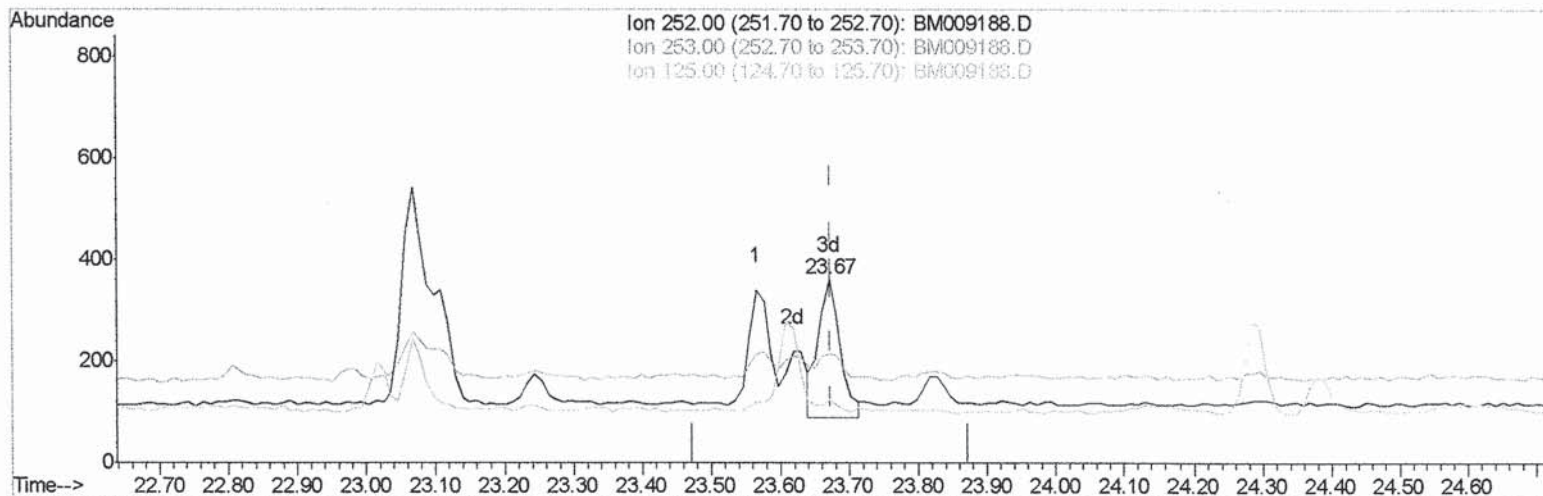
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009188.D

(23) Benzo(a)pyrene (C)

23.670min (-0.003) 0.14ng/ul m

response 598

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	59.56#
125.00	22.60	35.18#
0.00	0.00	0.00

SJ
 03/13/17

Quantitation Report (Qedit)

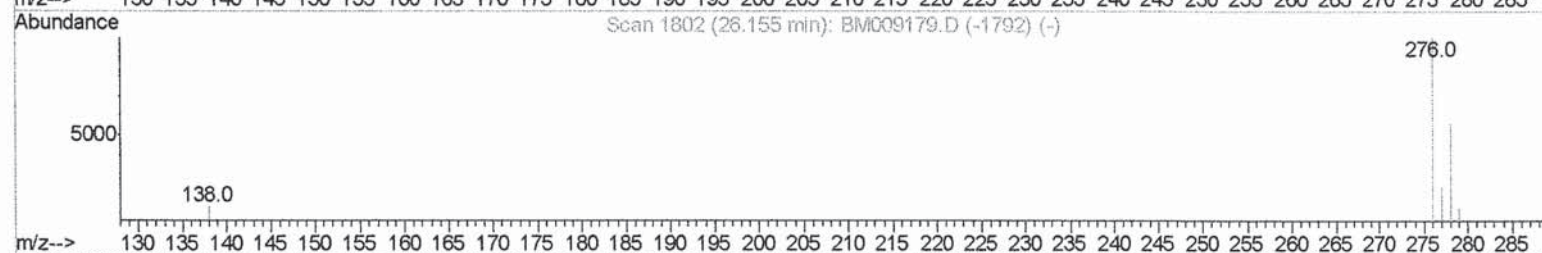
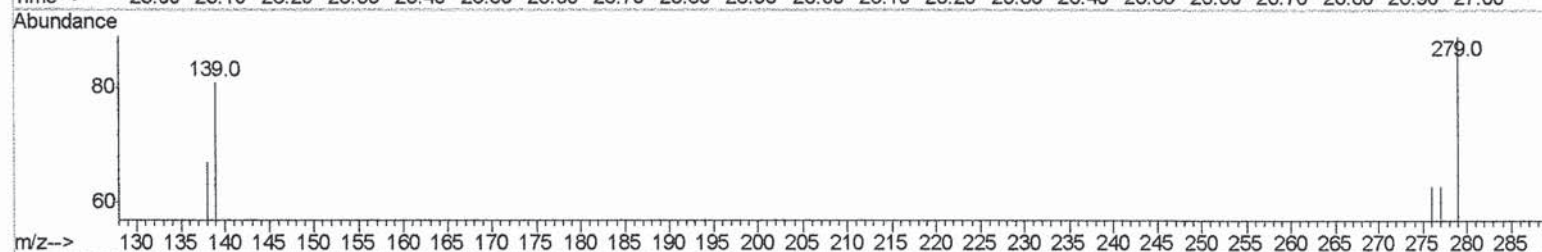
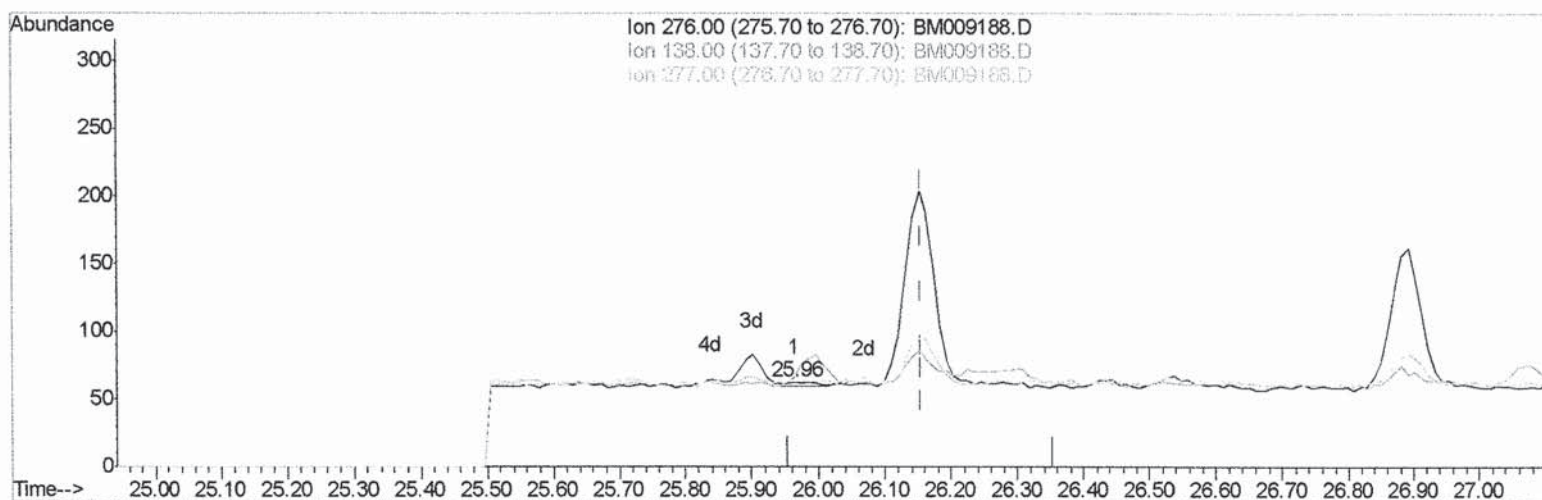
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
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Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

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TIC: BM009188.D

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

25.964min (-0.191) 0.00ng/ul

response 12

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

Quantitation Report (Qedit)

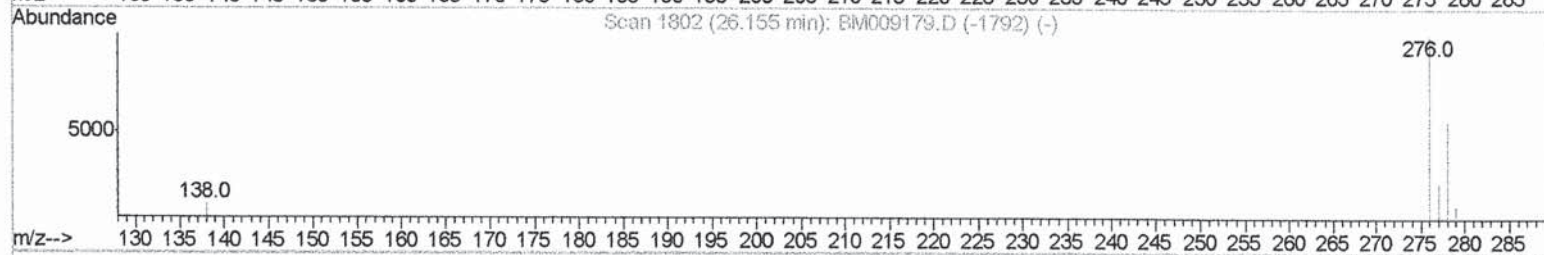
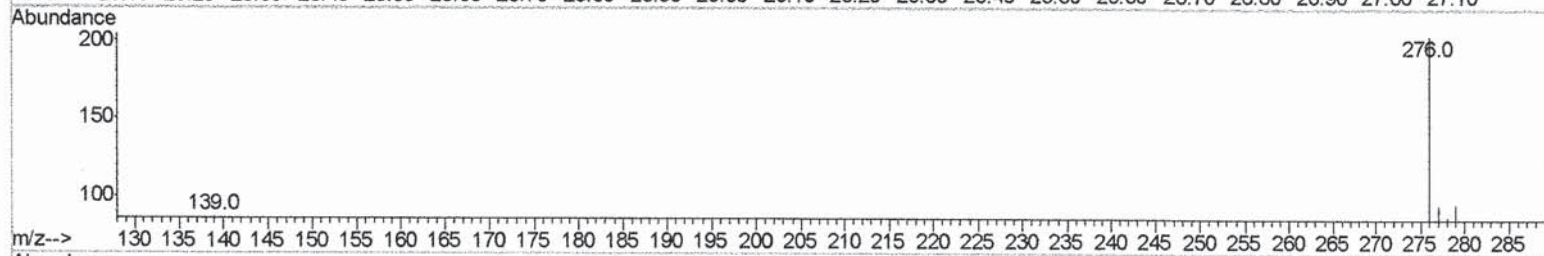
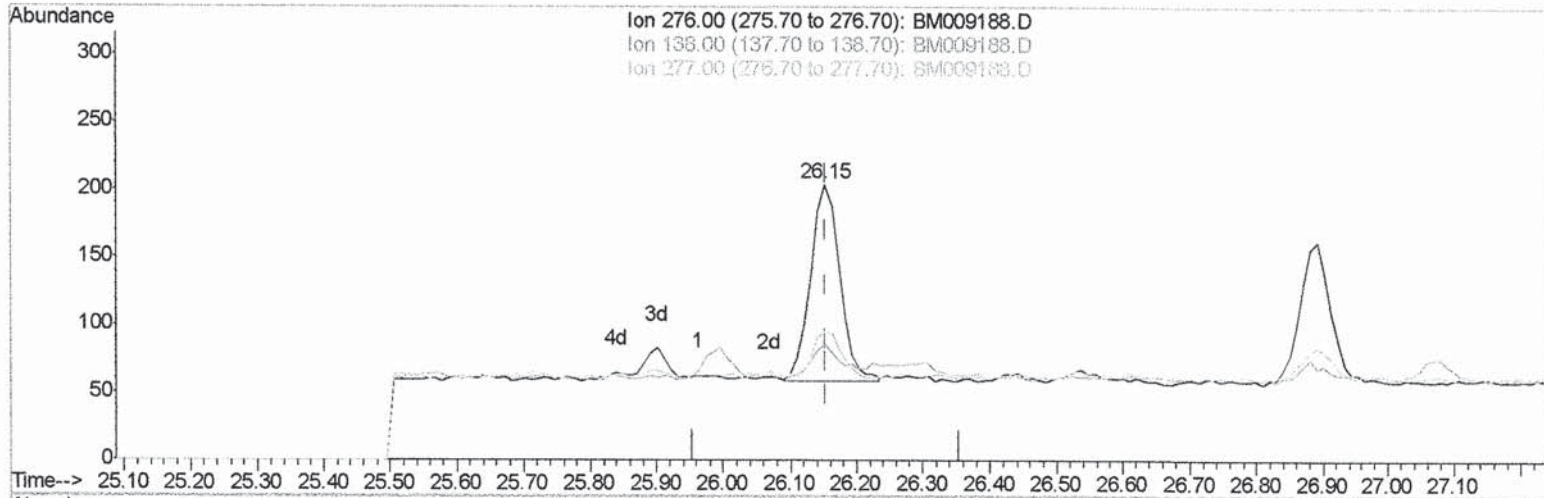
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009188.D

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

26.151min (-0.003) 0.08ng/ul m

response 453

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

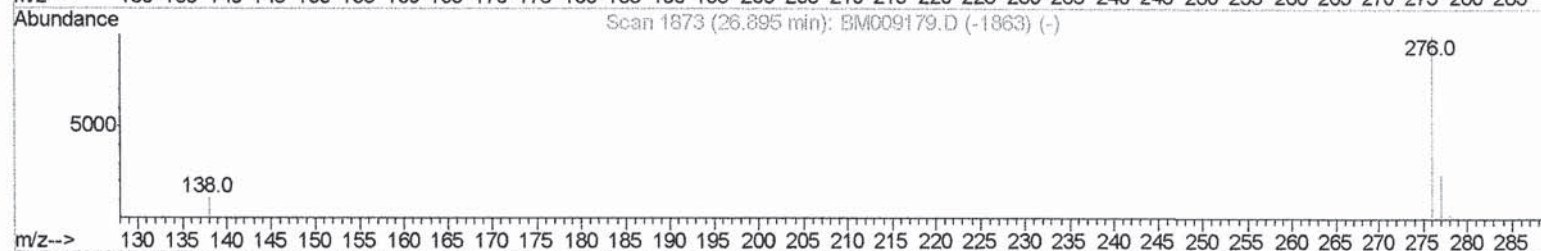
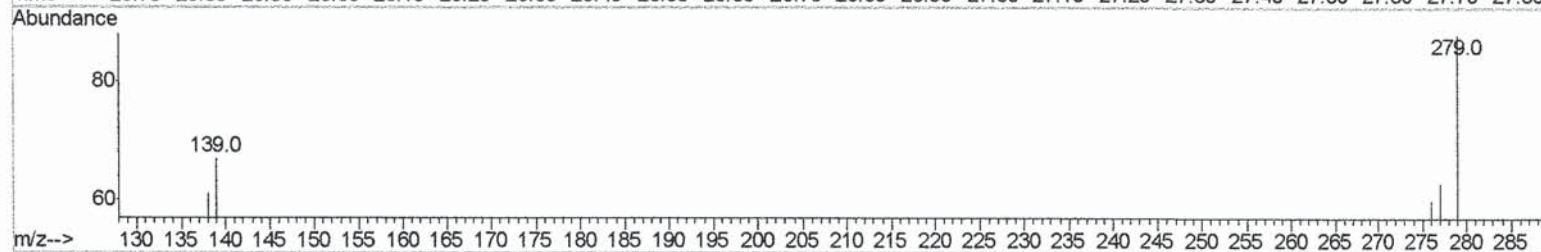
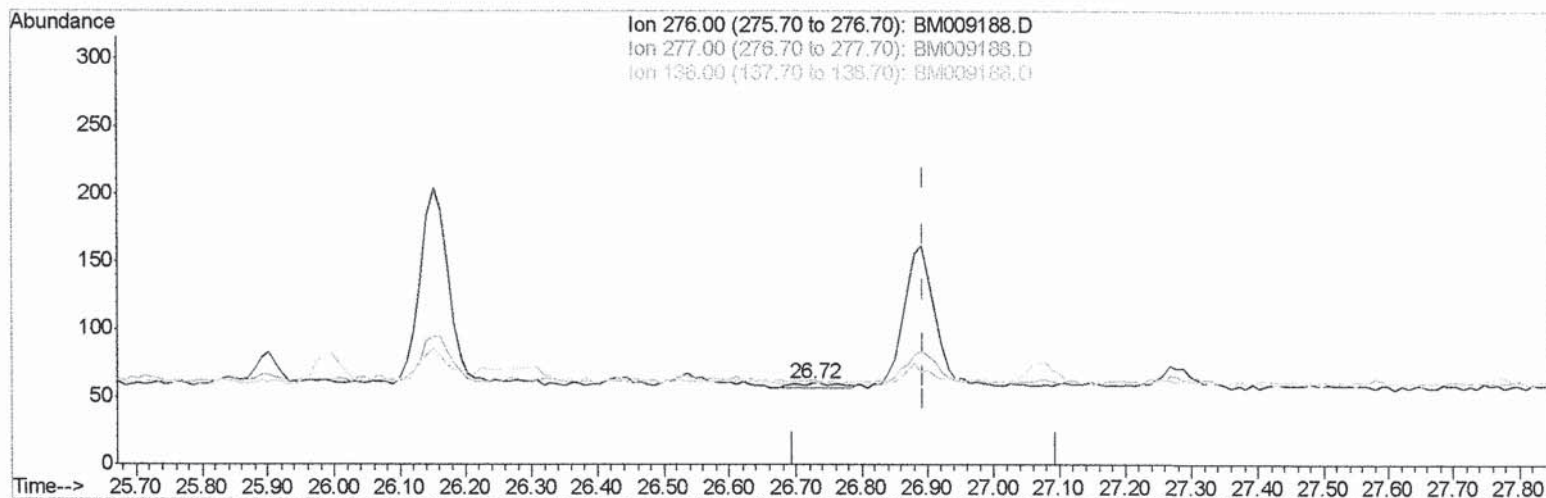
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
Data File : BM009188.D
Acq On : 10 Mar 2017 22:57
Operator : SJ/MA
Sample : I2107-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK9

Manual Integrations
APPROVED

mohammad
3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 11 00:54:34 2017
Response via : Initial Calibration



TIC: BM009188.D

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

26.725min (-0.170) 0.00ng/ul

response 12

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	105.00#
138.00	25.60	101.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

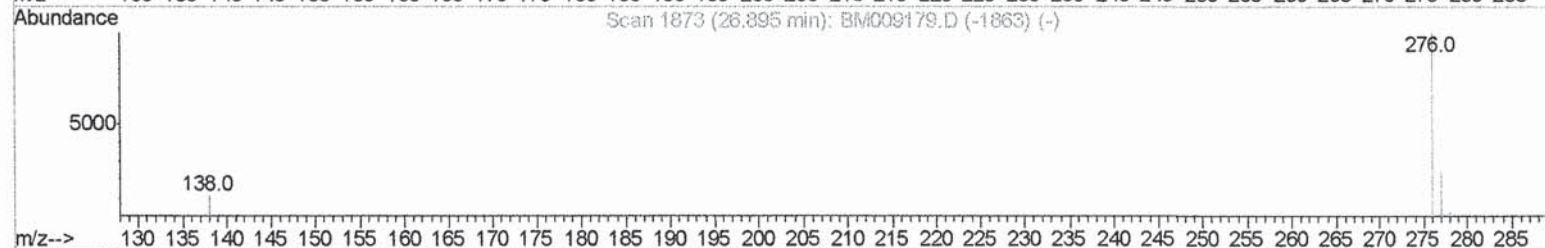
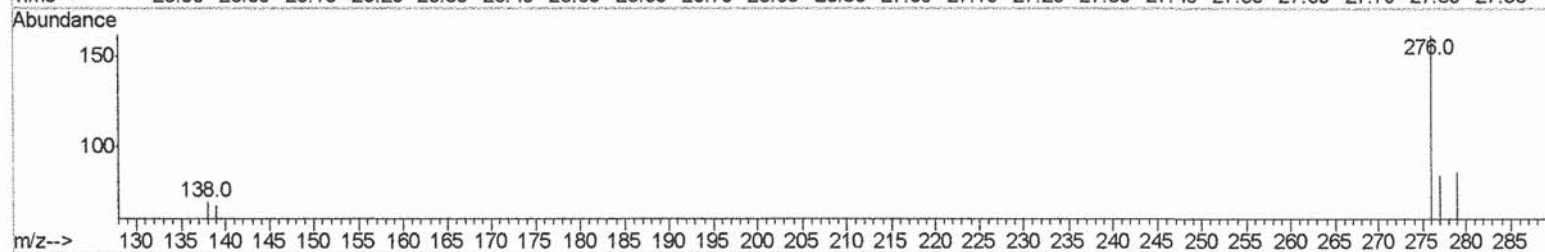
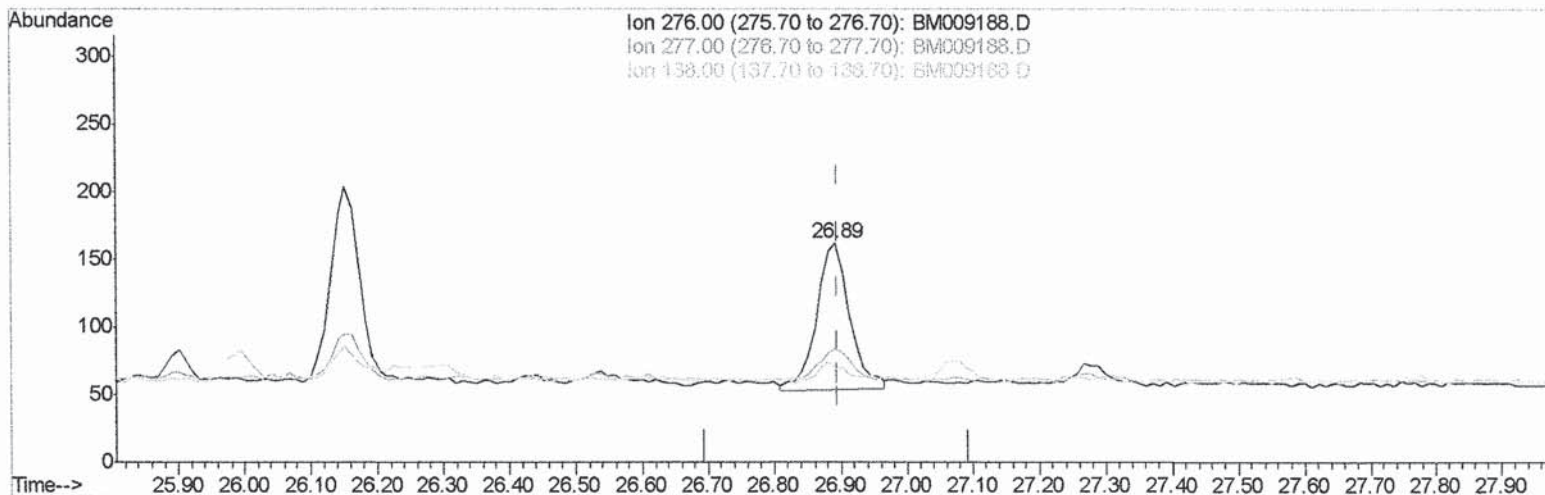
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 01:38:21 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration



TIC: BM009188.D

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

26.891min (-0.003) 0.08ng/ul m

response 375

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	51.85#
138.00	25.60	42.59#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009188.D
 Acq On : 10 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2107-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK9

Manual Integrations
 APPROVED

mohammad
 3/13/2017 2:14:22 PM

Quant Time: Mar 11 02:15:39 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	284	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	891	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	1287m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1197	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1195m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	234	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	616	0.15	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.73	128	486	0.19	ng/ul#	77
5) 2-Methylnaphthalene	12.34	142	443	0.24	ng/ul	98
12) Phenanthrene	17.30	178	593m	0.15	ng/ul	
15) Fluoranthene	19.33	202	1042	0.20	ng/ul	87
17) Pyrene	19.69	202	1069	0.26	ng/ul#	88
18) Benzo(a)anthracene	21.42	228	585	0.15	ng/ul#	76
19) Chrysene	21.47	228	768	0.20	ng/ul#	77
21) Benzo(b)fluoranthene	23.07	252	1140m	0.24	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	345m	0.08	ng/ul	
23) Benzo(a)pyrene	23.67	252	598m	0.14	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	453m	0.08	ng/ul	
26) Benzo(a,h,i)perylene	26.89	276	375m	0.08	ng/ul	

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