

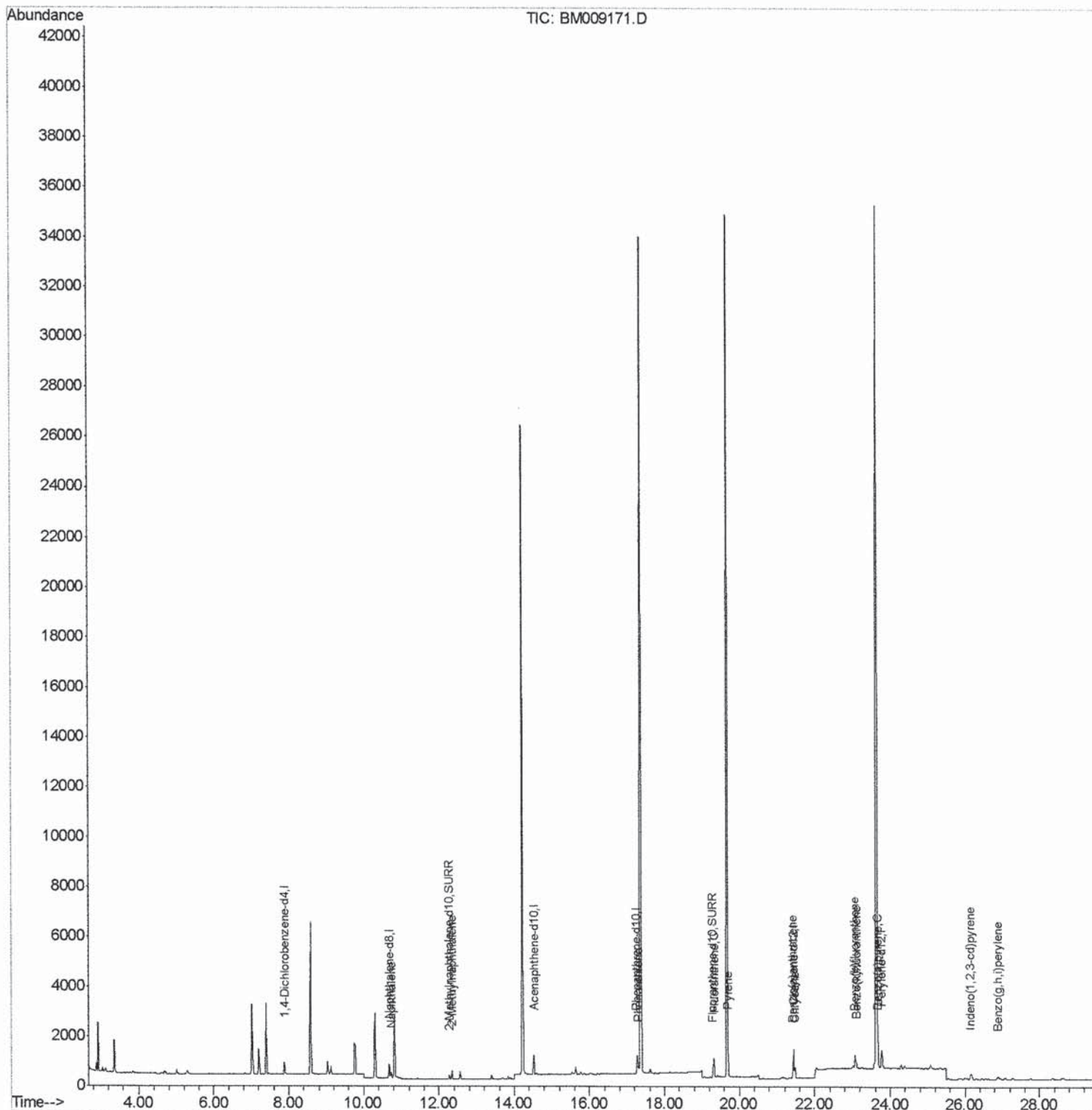
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:37:29 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



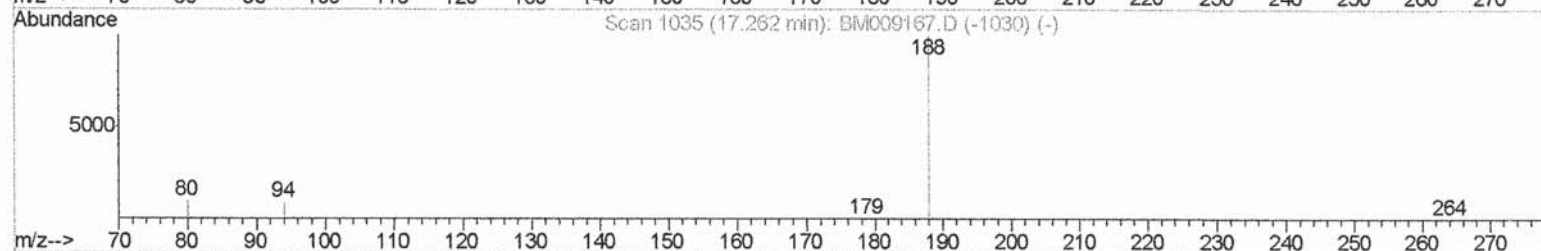
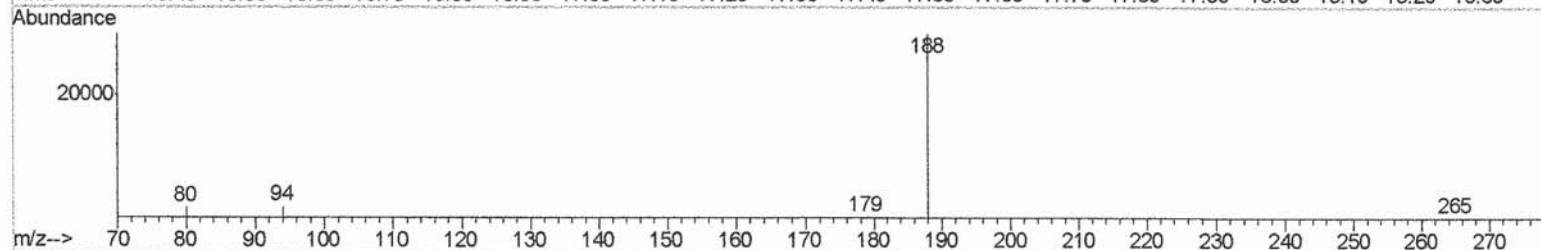
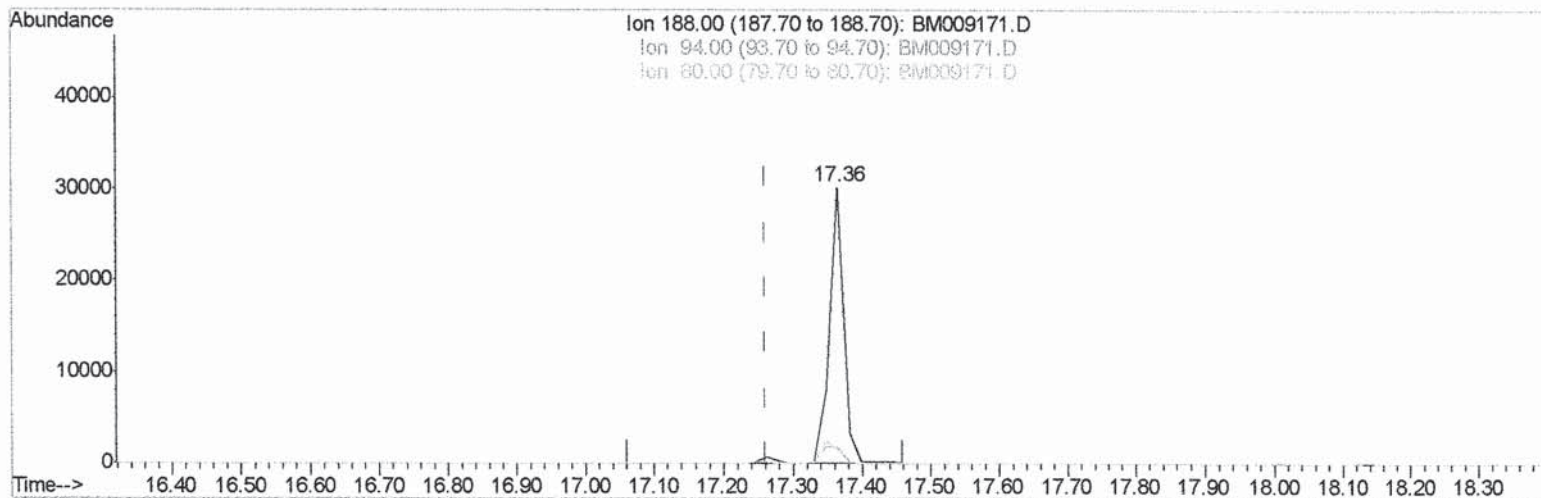
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:33:19 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: BM009171.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 42717

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.91#
80.00	11.80	5.56#
0.00	0.00	0.00

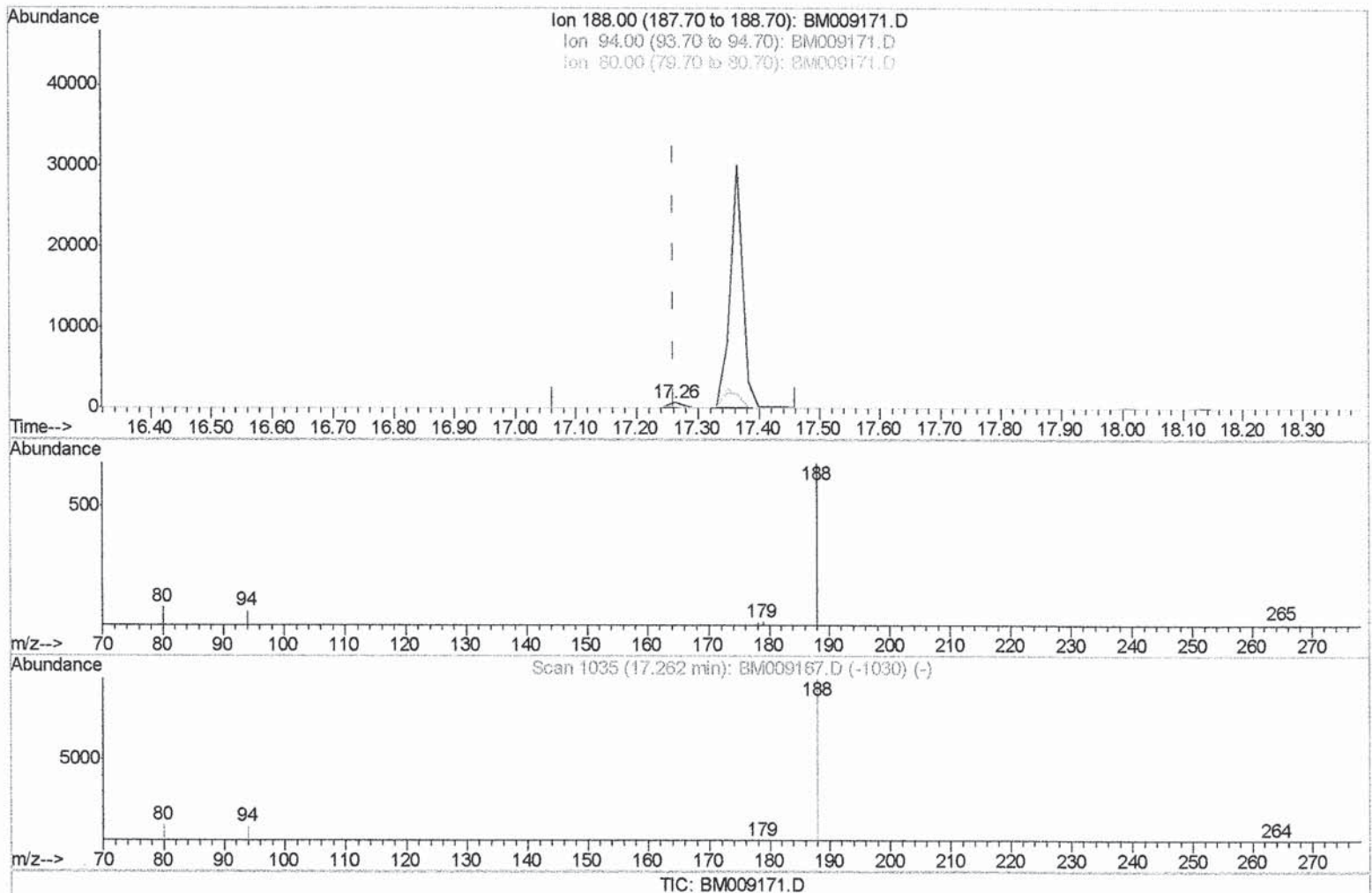
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
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Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:33:19 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)

17.262min (-0.000) 0.40ng/ul m

response 928

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	15.02#
80.00	11.80	17.12#
0.00	0.00	0.00

SJ
03/13/17

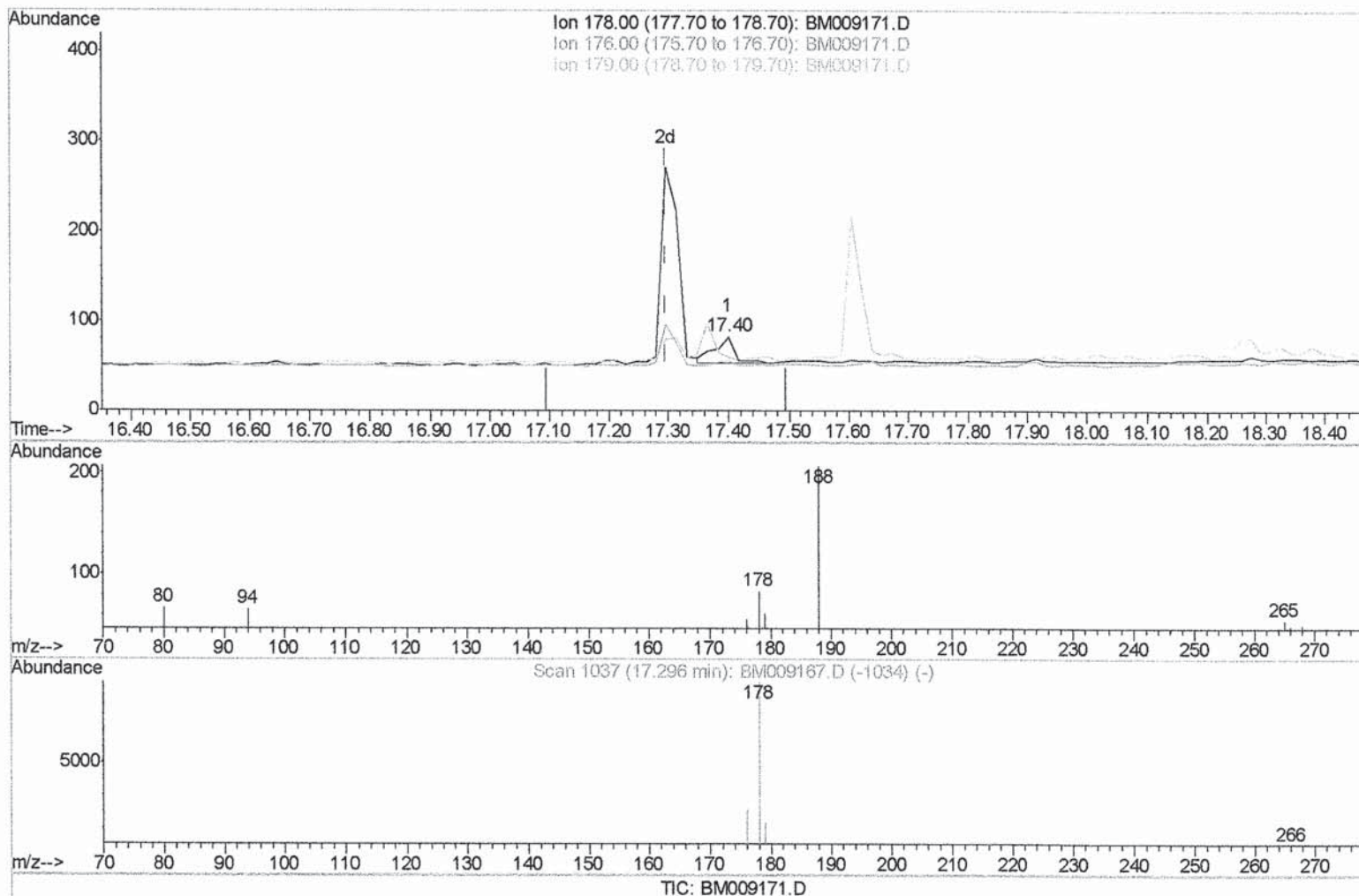
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:34:25 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



(12) Phenanthrene

17.399min (+0.103) 0.02ng/ul

response 70

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	67.47#
179.00	17.00	73.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

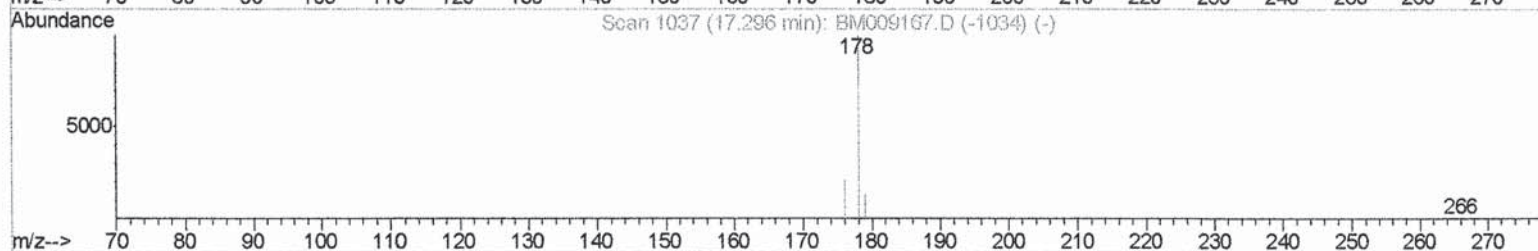
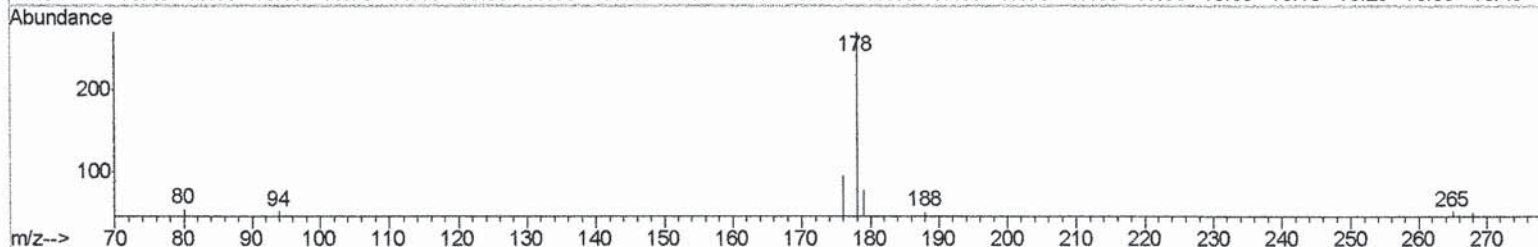
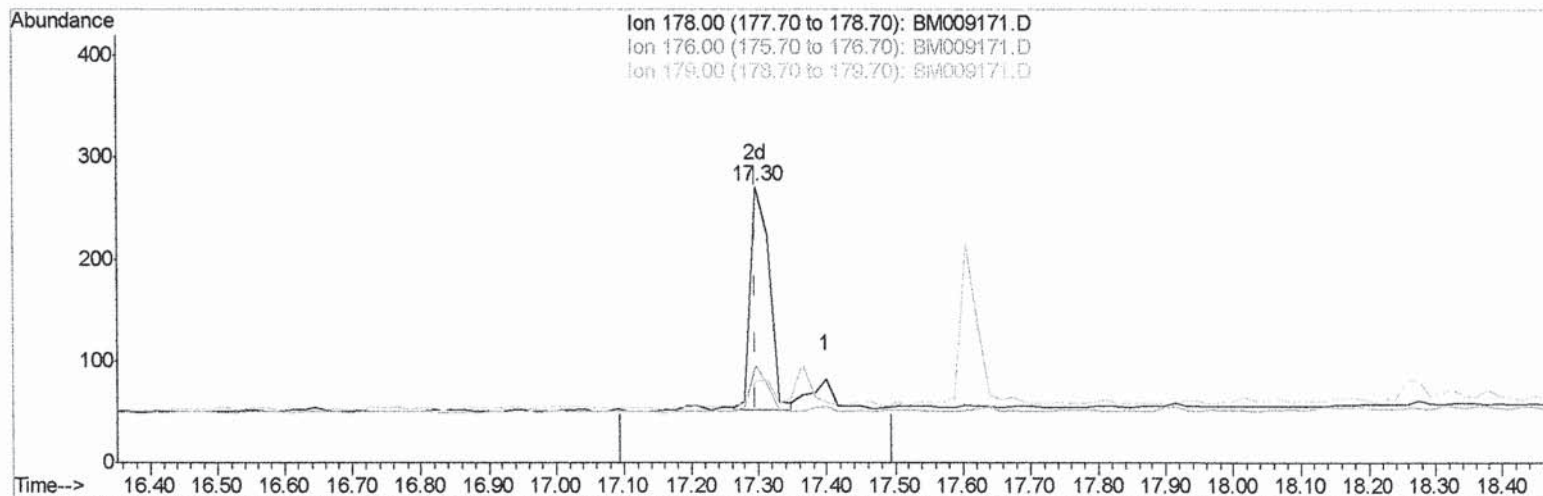
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009171.D
 Acq On : 10 Mar 2017 12:11
 Operator : SJ/MA
 Sample : I2107-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAL0

Manual Integrations
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mohammad
 3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:34:25 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: BM009171.D

(12) Phenanthrene

17.296min (-0.000) 0.15ng/ul m

response 426

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	35.42#
179.00	17.00	29.52#
0.00	0.00	0.00

SJ
 03/13/17

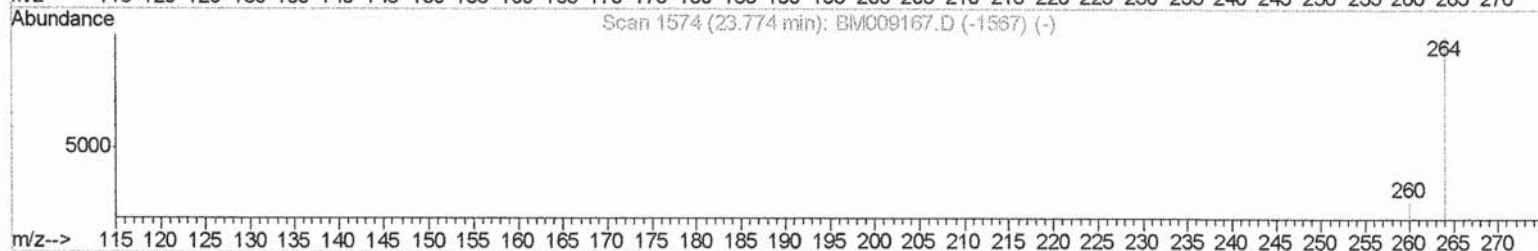
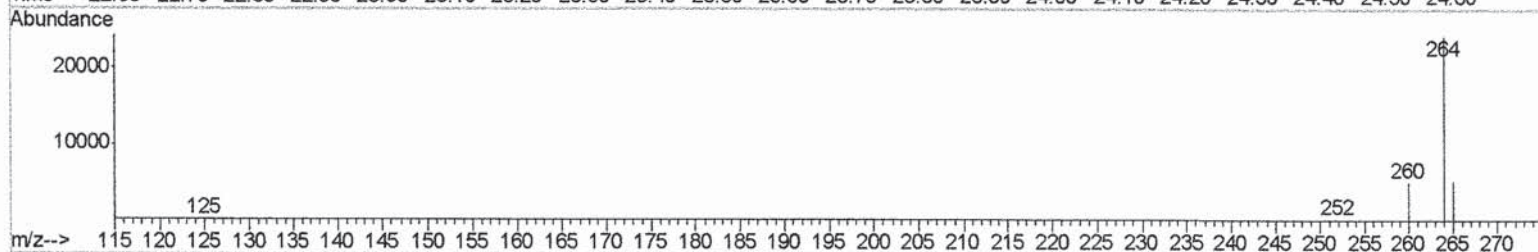
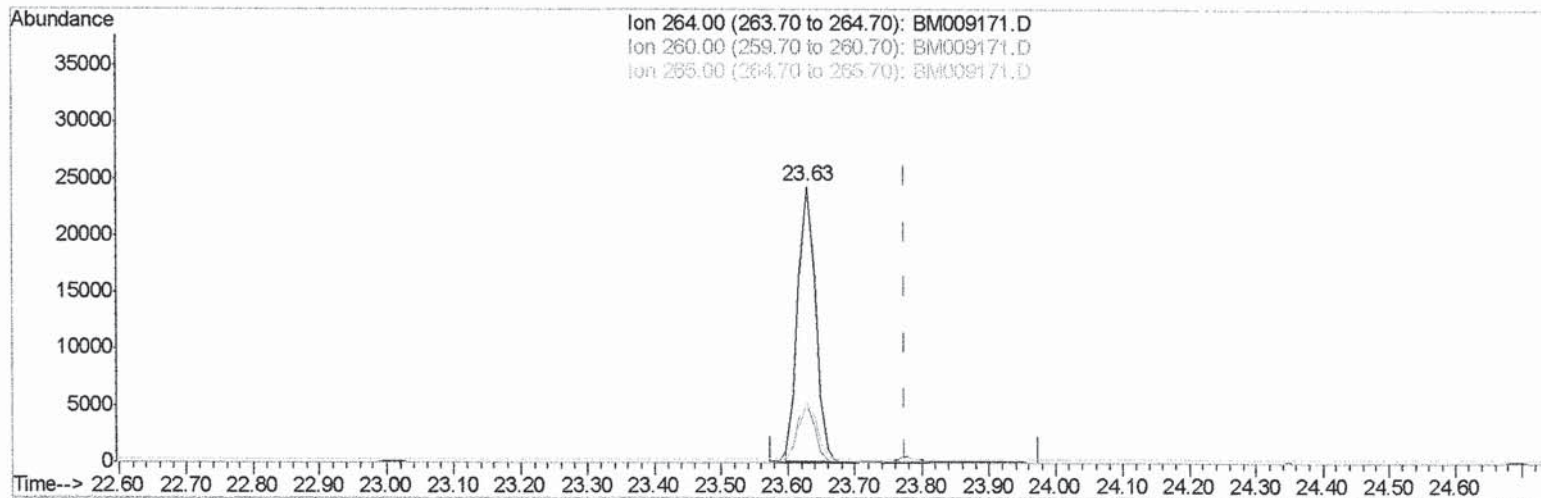
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:34:25 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: BM009171.D

(20) Perylene-d12 (I)

23.628min (-0.146) 0.40ng/ul

response 43920

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.06#
265.00	103.50	22.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

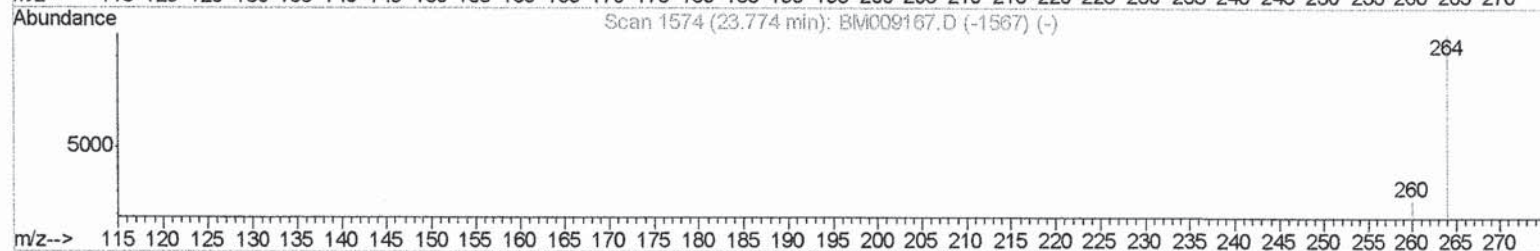
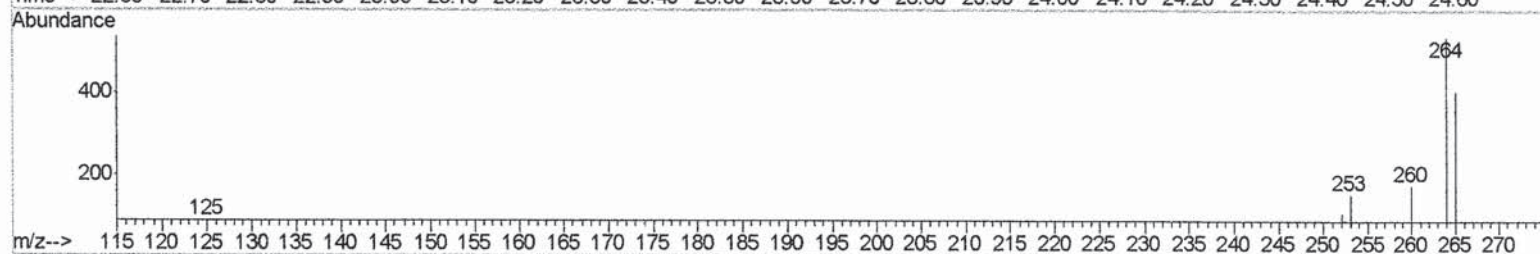
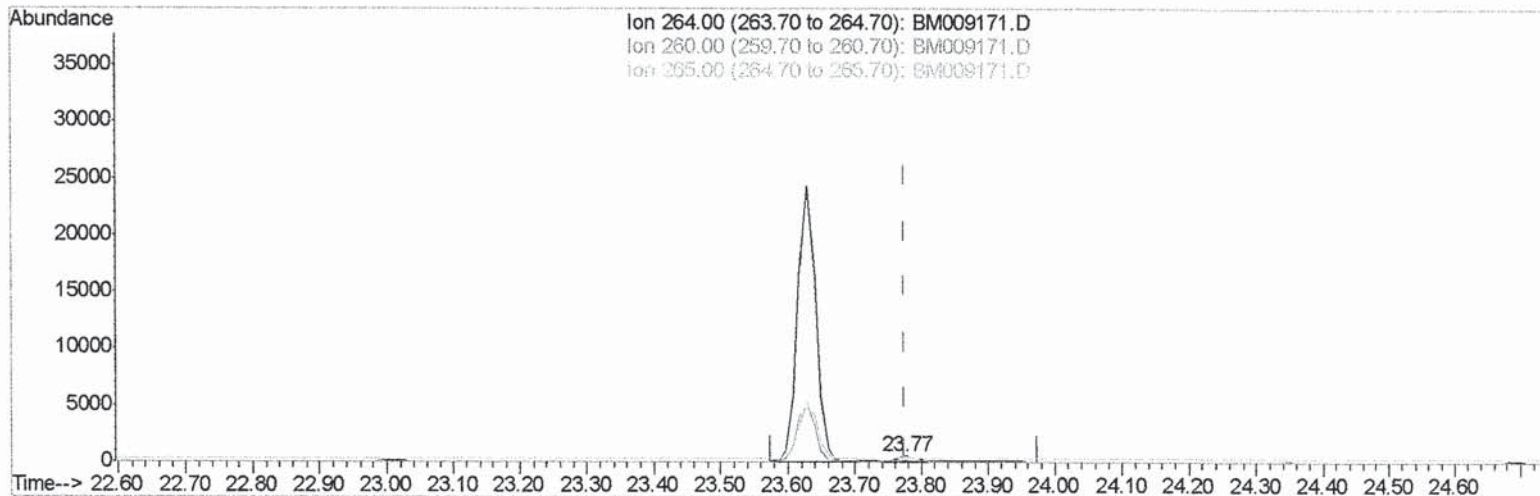
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009171.D
 Acq On : 10 Mar 2017 12:11
 Operator : SJ/MA
 Sample : I2107-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COALO

Manual Integrations
 APPROVED

mohammad
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Quant Time: Mar 10 15:34:25 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: BM009171.D

(20) Perylene-d12 (I)

23.774min (-0.000) 0.40ng/ul m

response 963

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.98
265.00	103.50	75.42#
0.00	0.00	0.00

SJ
03/13/17

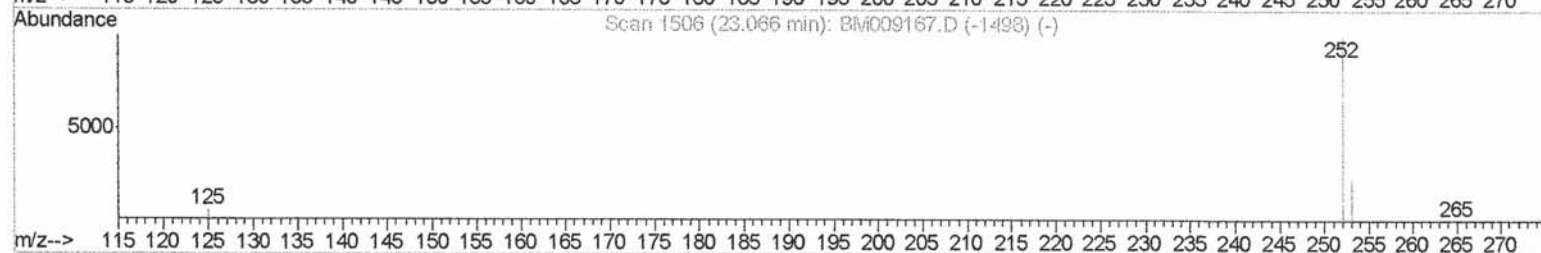
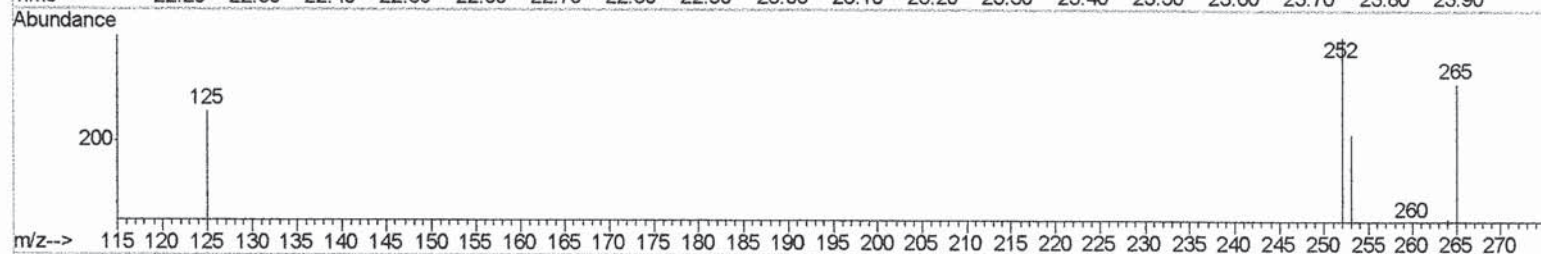
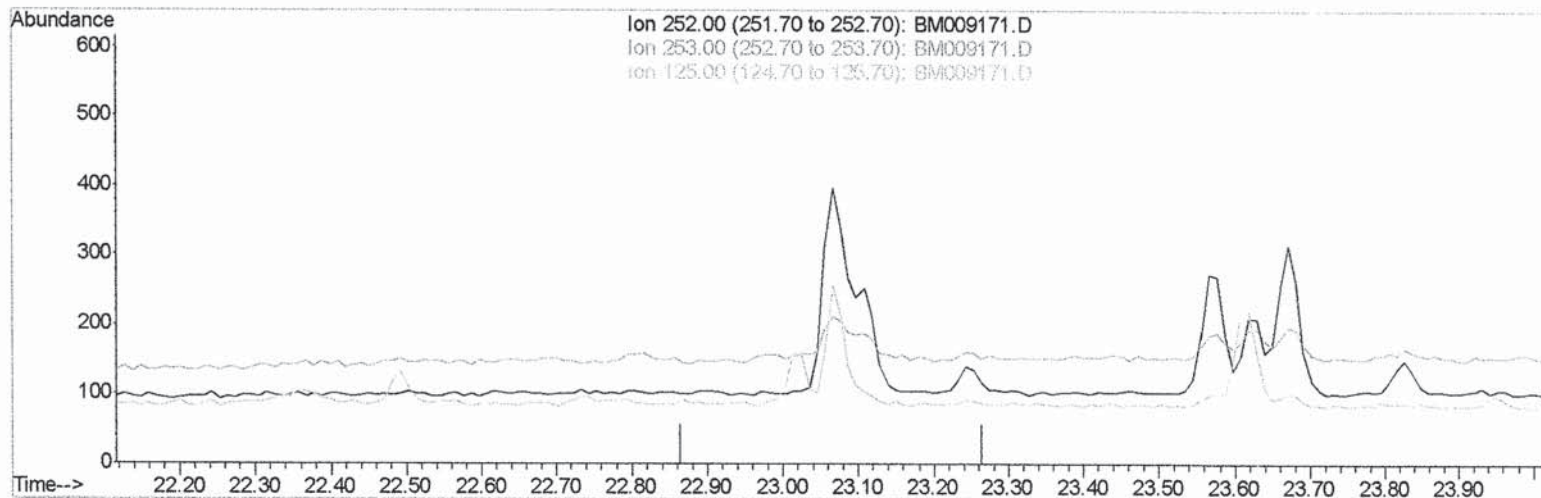
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
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Quant Time: Mar 10 15:35:33 2017
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TIC: BM009171.D

(21) Benzo(b)fluoranthene

23.066min (-23.066) 0.00ng/ul d

response 0

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

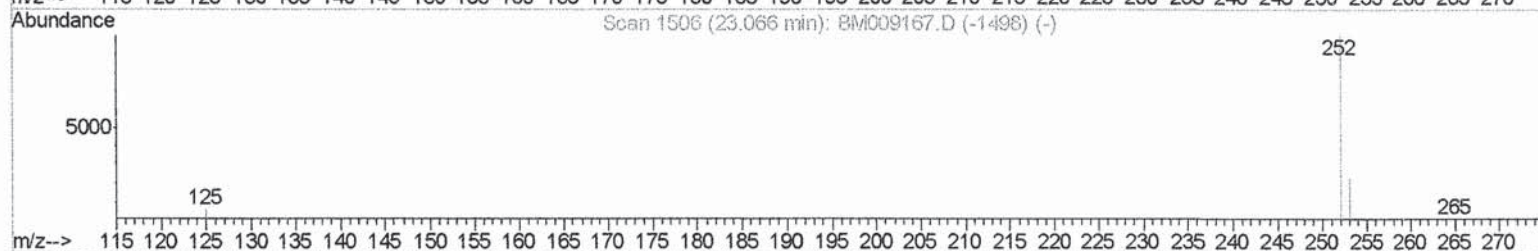
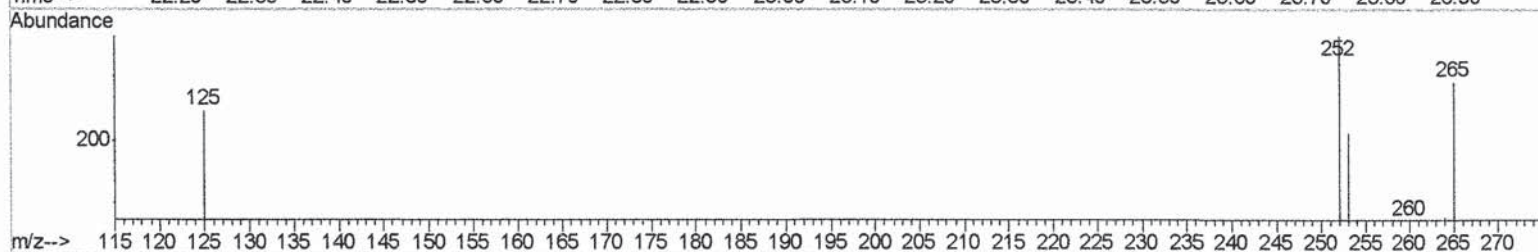
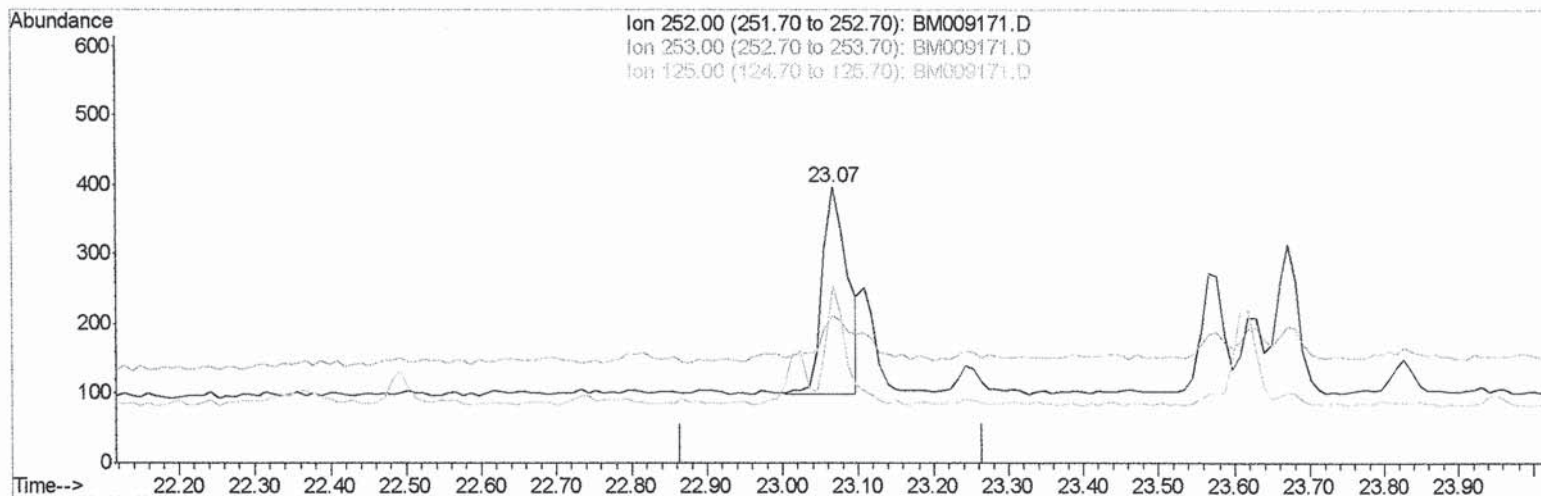
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 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: BM009171.D

(21) Benzo(b)fluoranthene

23.065min (-0.000) 0.19ng/ul m

response 712

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	53.79
125.00	17.50	64.39#
0.00	0.00	0.00

SJ
03/13/17

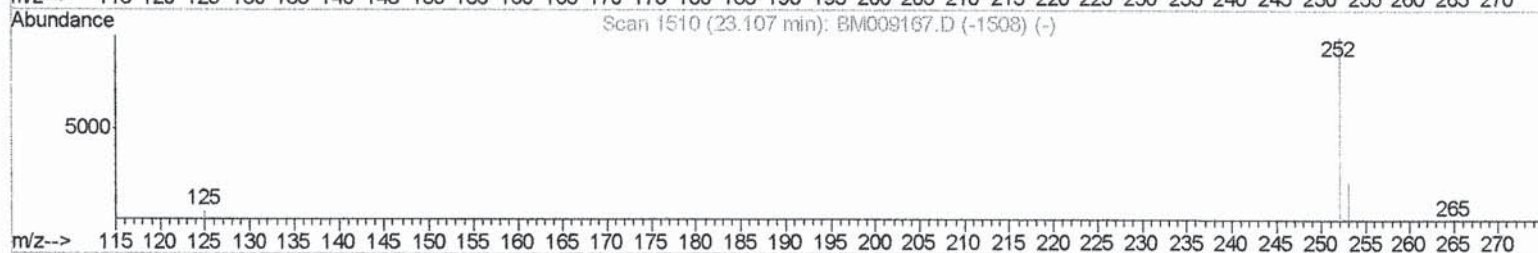
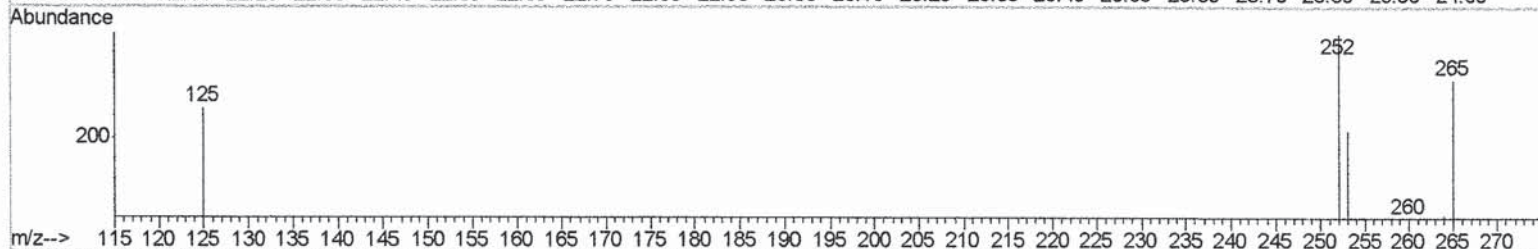
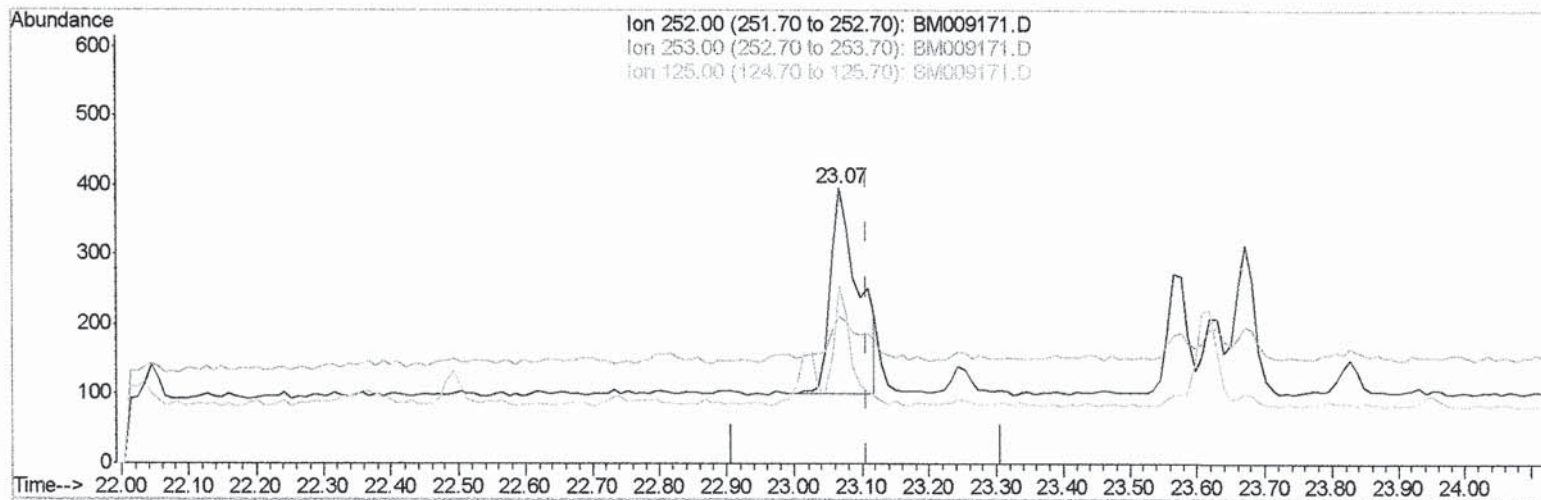
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
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3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration



TIC: BM009171.D

(22) Benzo(k)fluoranthene

23.065min (-0.042) 0.26ng/ul

response 874

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	53.79#
125.00	17.10	64.39#
0.00	0.00	0.00

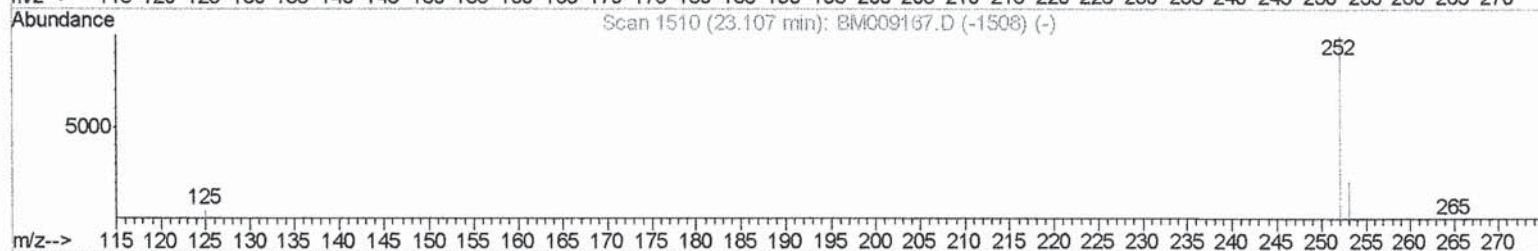
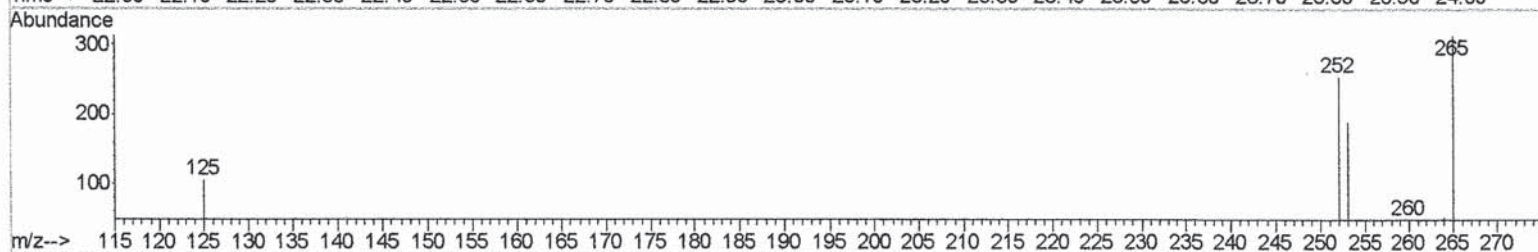
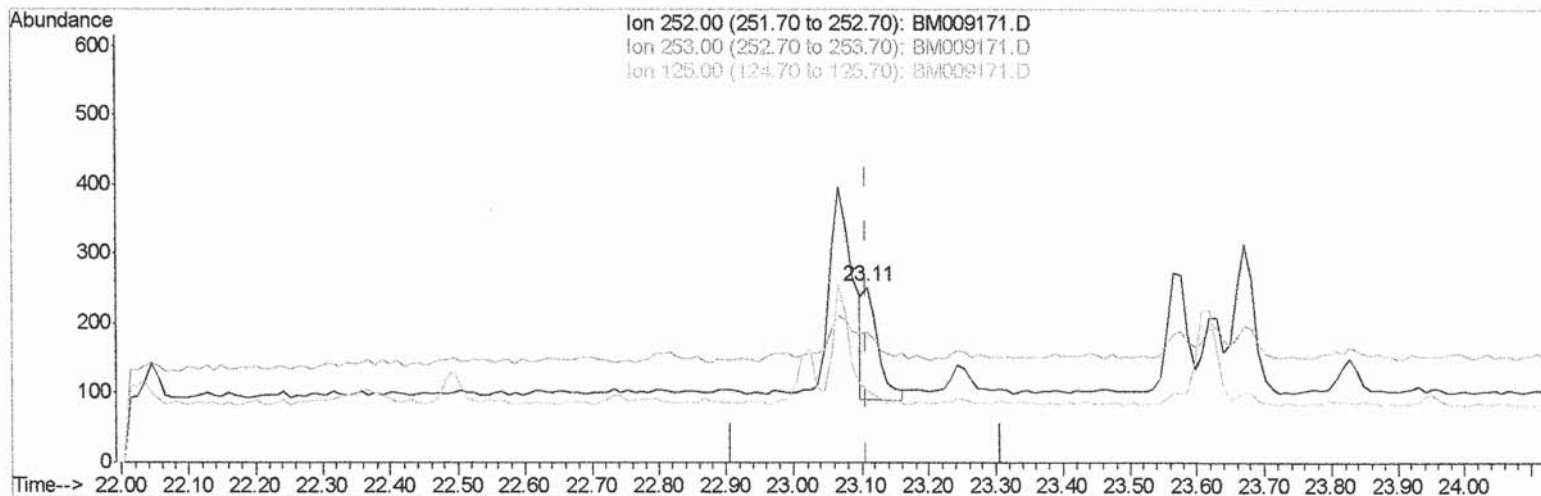
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
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3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009171.D

(22) Benzo(k)fluoranthene

23.107min (-0.000) 0.07ng/ul m

response 243

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	74.31#
125.00	17.10	41.50#
0.00	0.00	0.00

SJ
03/13/17

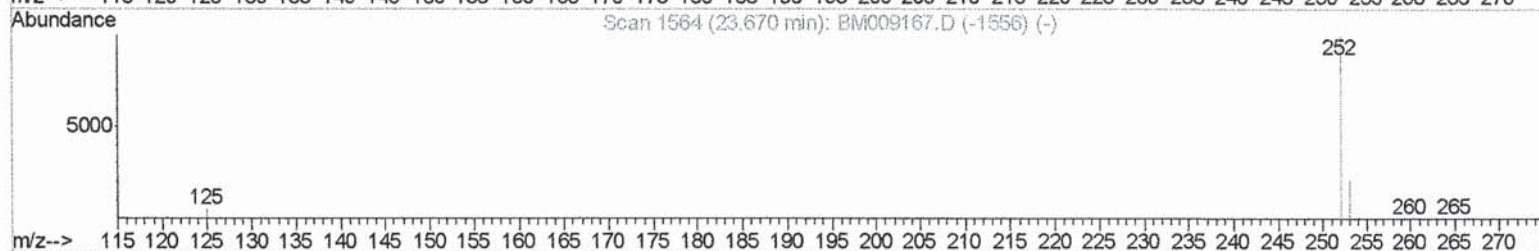
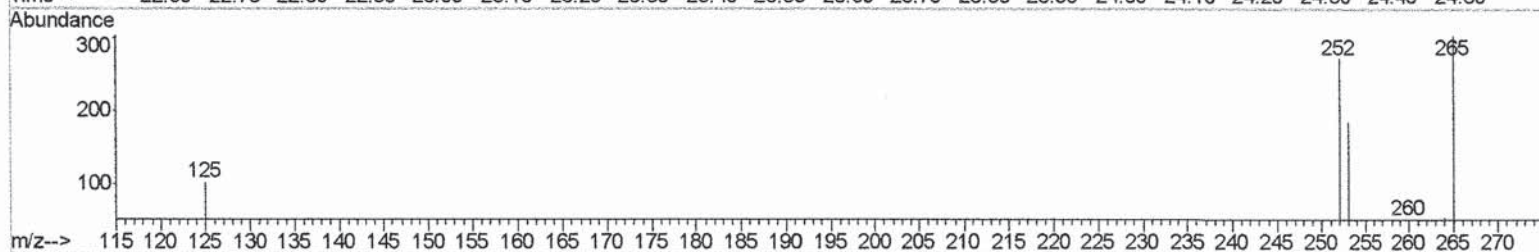
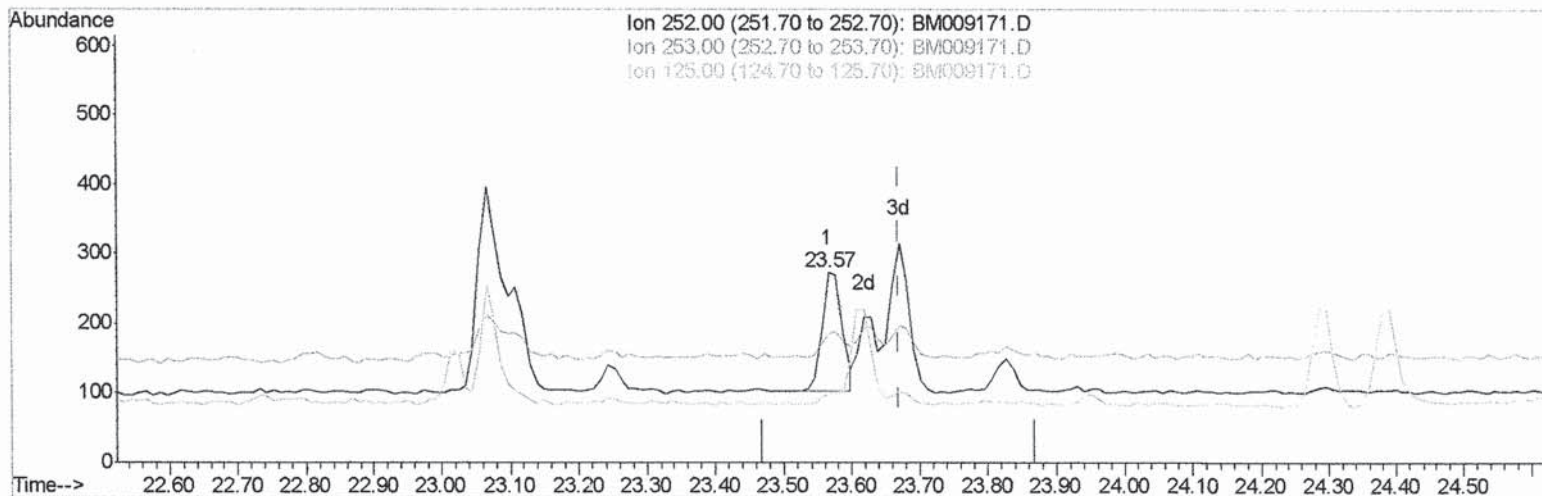
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Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
COAL0

Manual Integrations
APPROVED

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3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009171.D

(23) Benzo(a)pyrene (C)

23.566min (-0.104) 0.10ng/ul

response 353

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	67.77#
125.00	22.60	37.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

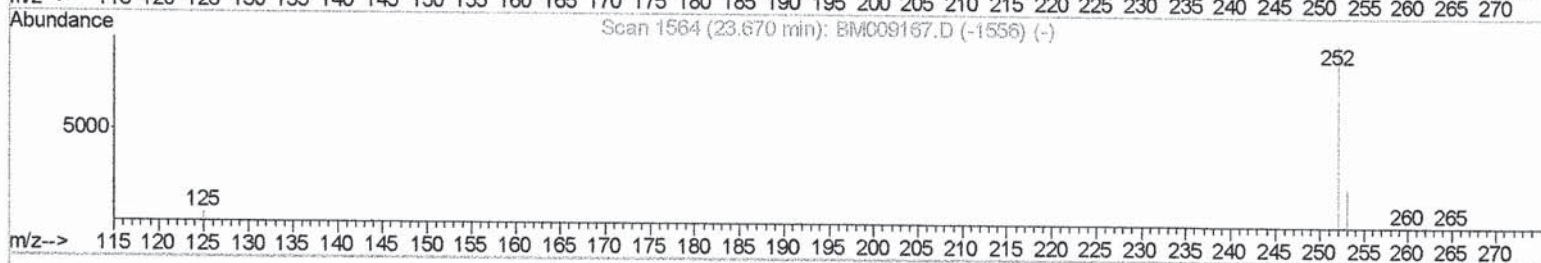
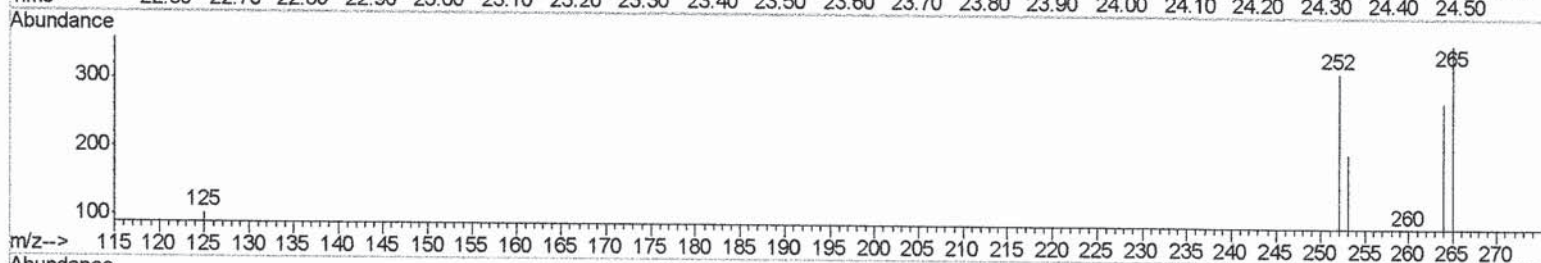
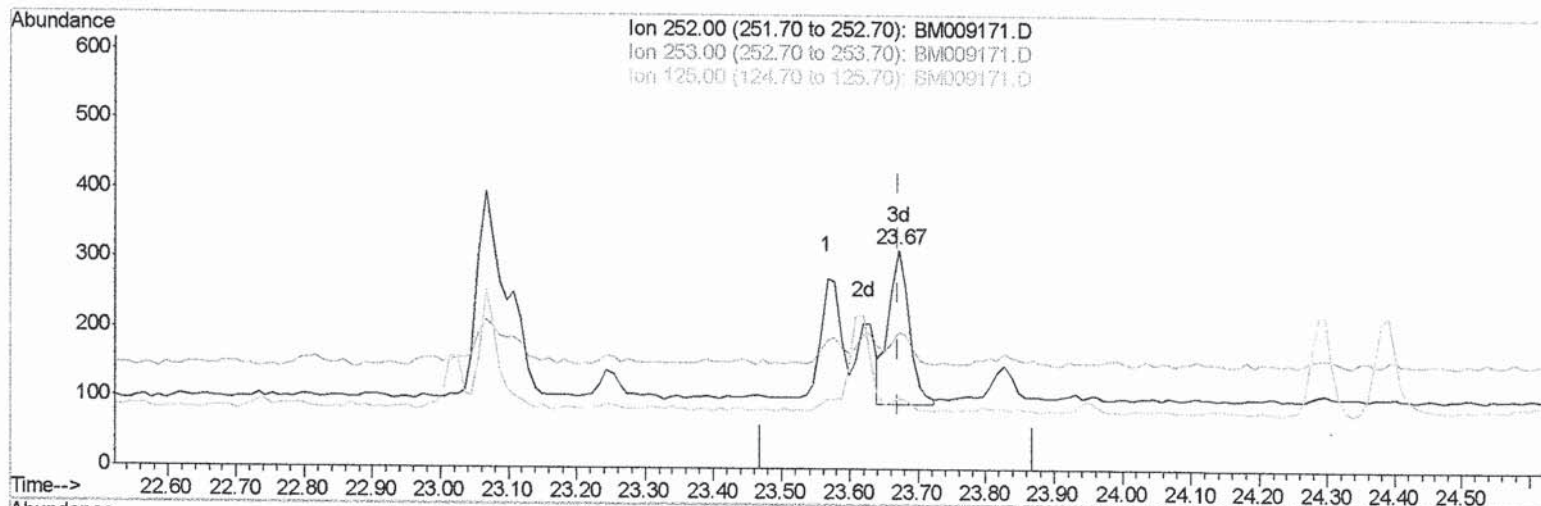
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009171.D
 Acq On : 10 Mar 2017 12:11
 Operator : SJ/MA
 Sample : I2107-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 COAL0

Manual Integrations
 APPROVED

mohammad
 3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 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: BM009171.D

(23) Benzo(a)pyrene (C)

23.670min (-0.000) 0.14ng/ul m

response 471

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	62.66#
125.00	22.60	32.28#
0.00	0.00	0.00

SJ
 03/13/17

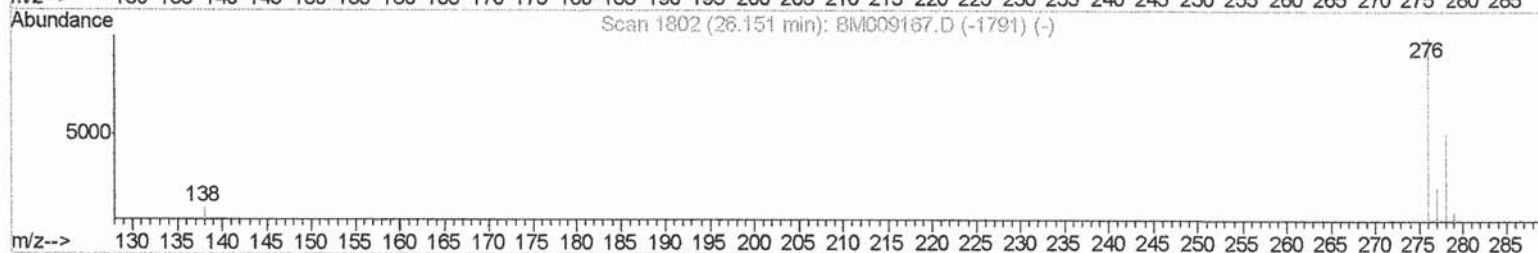
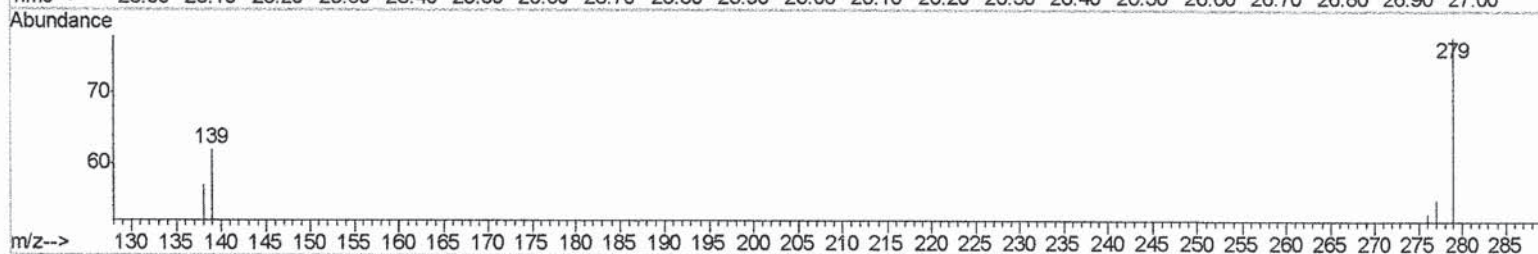
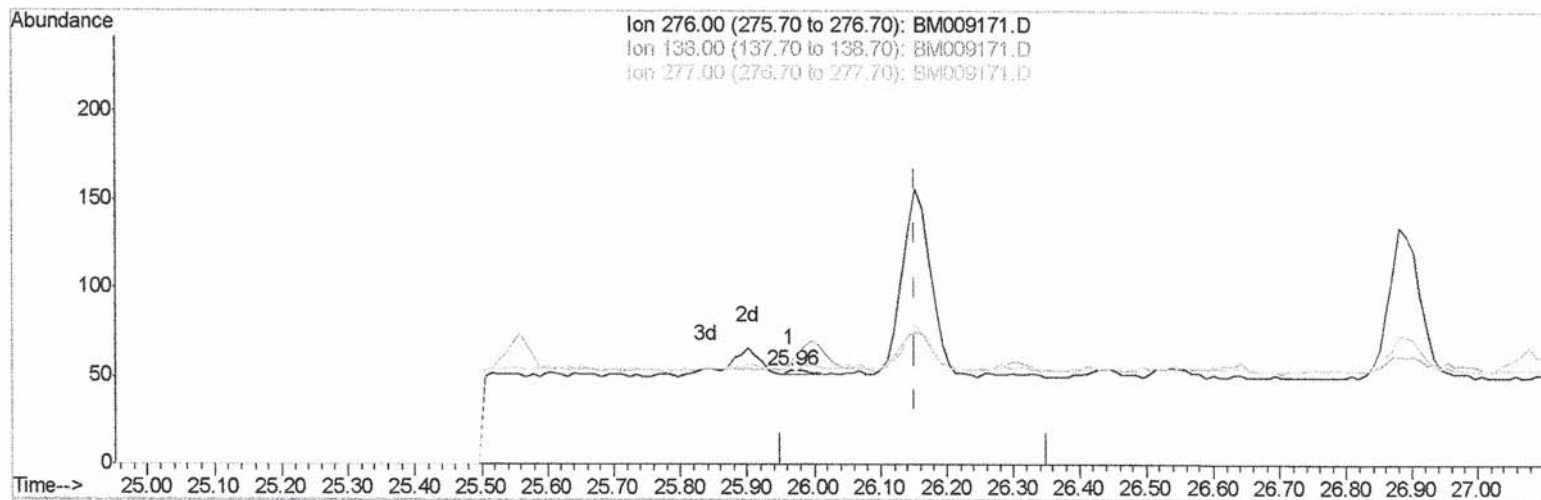
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Instrument :
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ClientSampleId :
COAL0

Manual Integrations
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TIC: BM009171.D

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

25.963min (-0.188) 0.00ng/ul

response 5

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

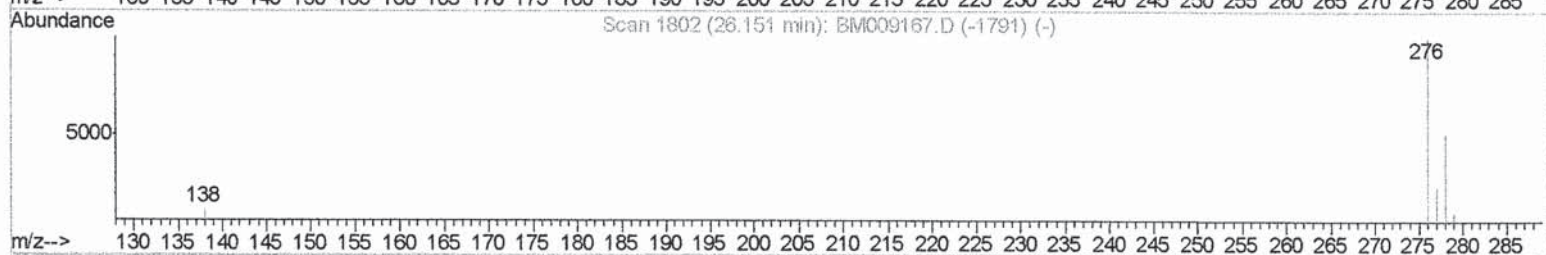
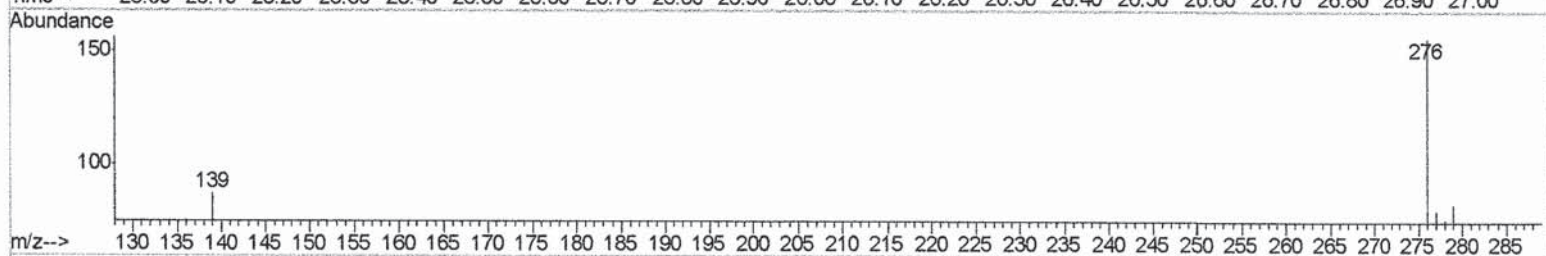
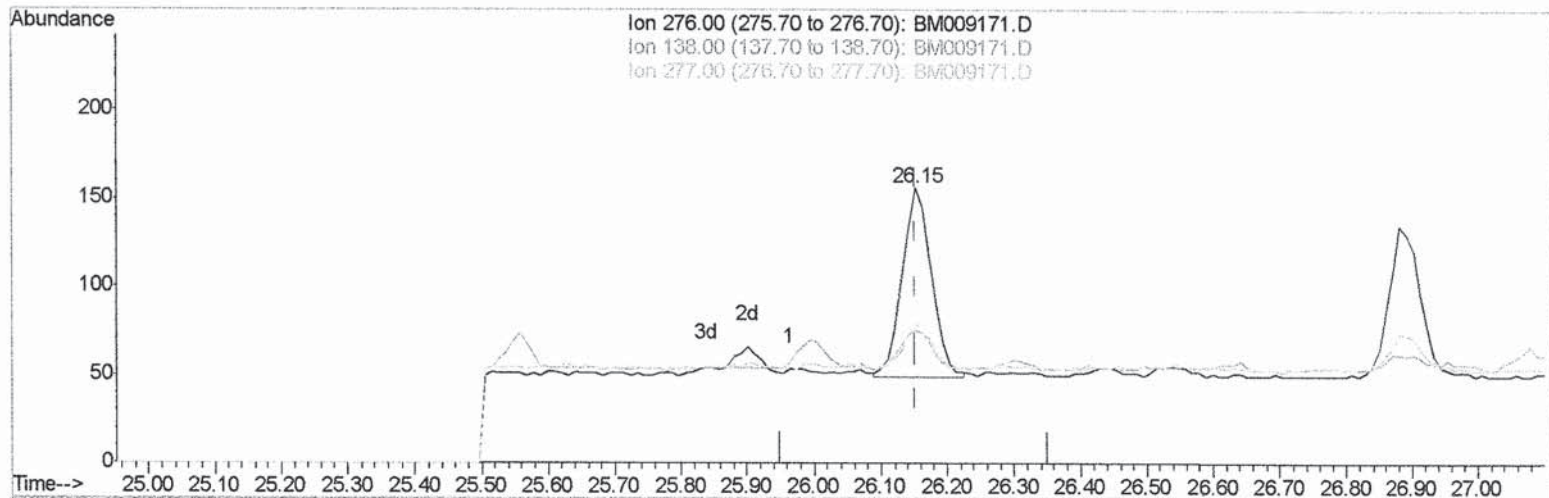
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Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 2017
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TIC: BM009171.D

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

26.151min (-0.000) 0.08ng/ul m

response 328

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

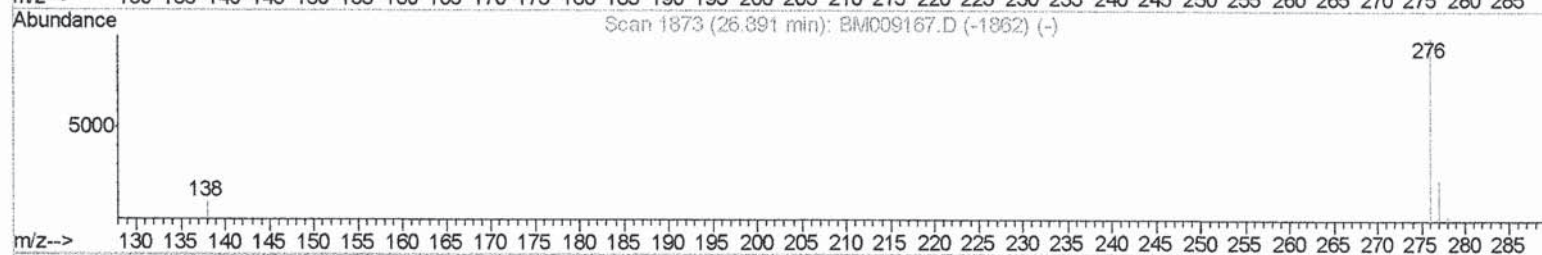
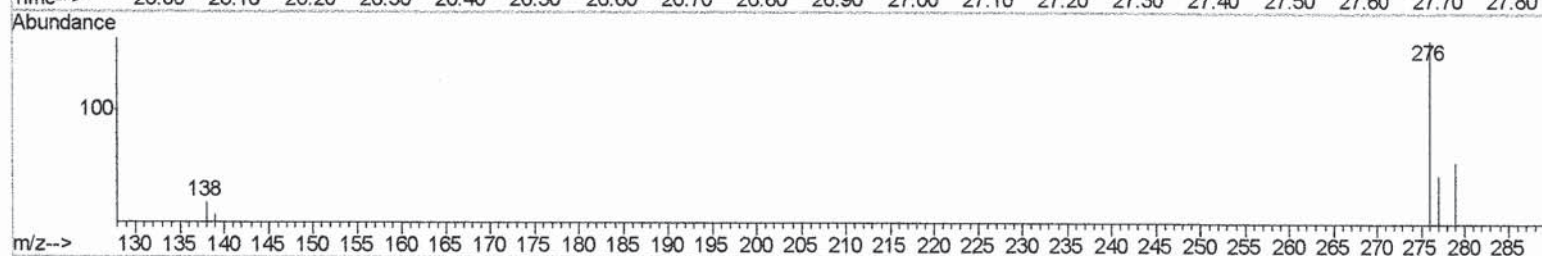
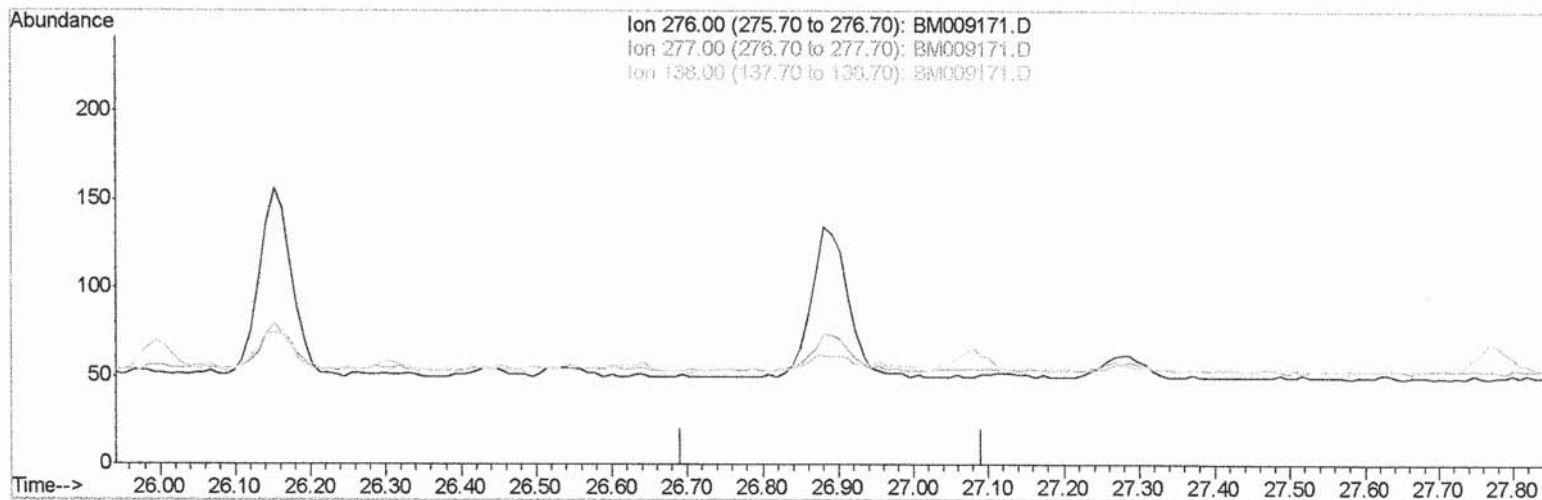
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 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: BM009171.D

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

26.891min (-26.891) 0.00ng/ui

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

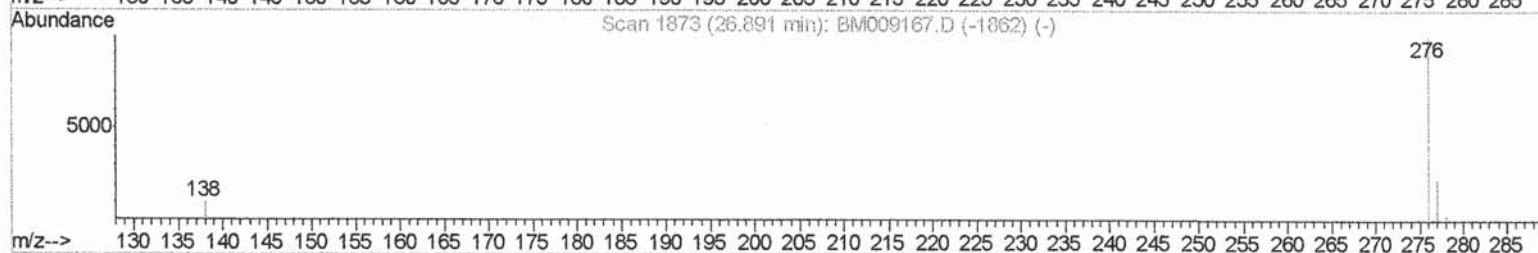
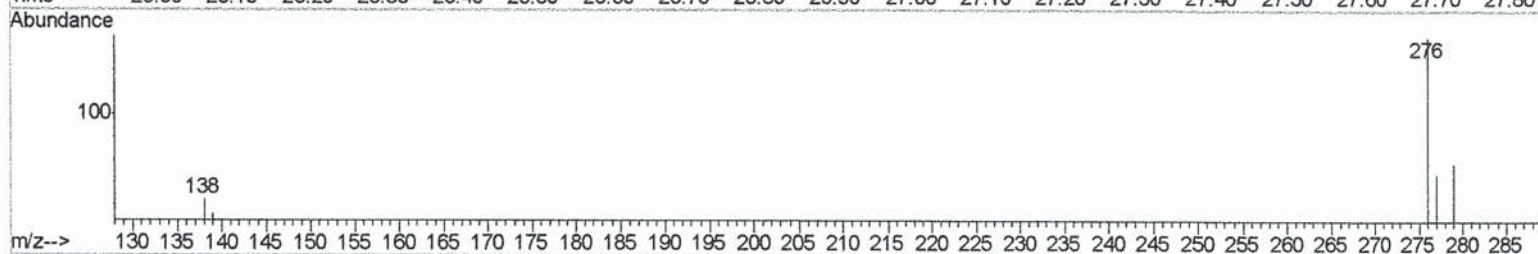
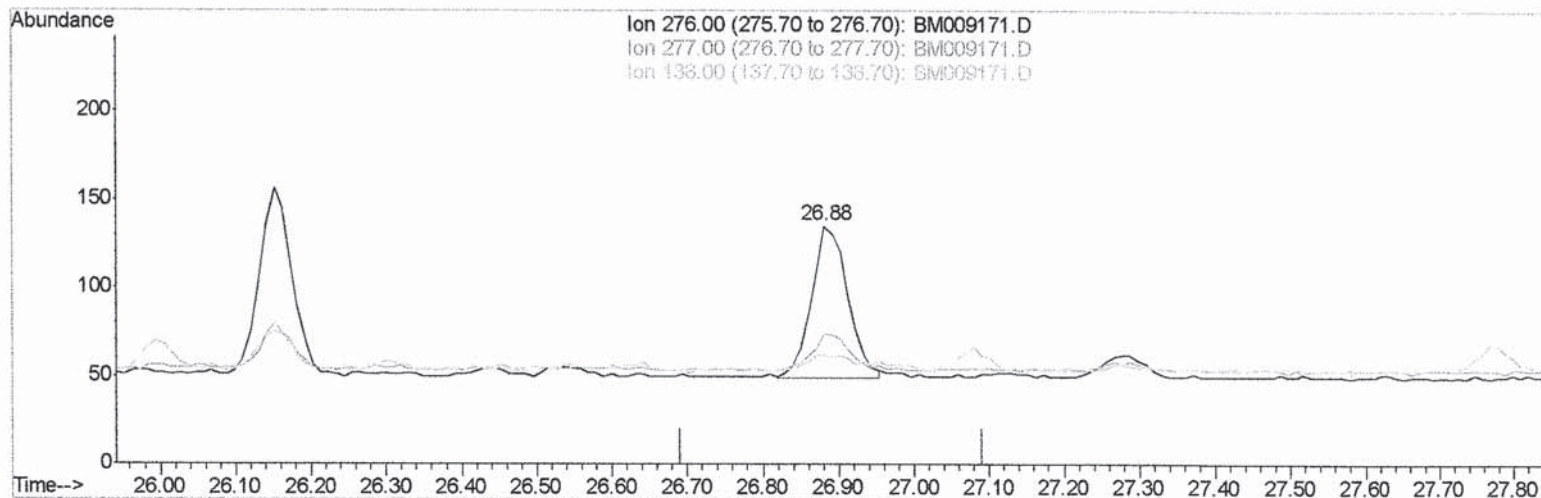
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009171.D
Acq On : 10 Mar 2017 12:11
Operator : SJ/MA
Sample : I2107-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COAL0

Manual Integrations
APPROVED

mohammad
3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:35:33 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: BM009171.D

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

26.881min (-0.010) 0.08ng/ul m

response 287

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	54.81#
138.00	25.60	45.93#
0.00	0.00	0.00

SJ
03/13/17

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009171.D
 Acq On : 10 Mar 2017 12:11
 Operator : SJ/MA
 Sample : I2107-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COALO

Manual Integrations
 APPROVED

mohammad
 3/13/2017 12:49:06 PM

Quant Time: Mar 10 15:37:29 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	228	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	724	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	423	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	928m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1064	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	963m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	200	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	554	0.19	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.73	128	282	0.14	ng/ul#	59
5) 2-Methylnaphthalene	12.34	142	231	0.15	ng/ul	100
12) Phenanthrene	17.30	178	426m	0.15	ng/ul	
15) Fluoranthene	19.33	202	793	0.21	ng/ul	87
17) Pyrene	19.69	202	805	0.22	ng/ul#	85
18) Benzo(a)anthracene	21.42	228	409	0.12	ng/ul#	75
19) Chrysene	21.47	228	528	0.16	ng/ul#	77
21) Benzo(b)fluoranthene	23.07	252	712m	0.19	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	243m	0.07	ng/ul	
23) Benzo(a)pyrene	23.67	252	471m	0.14	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	328m	0.08	ng/ul	
26) Benzo(g,h,i)perylene	26.88	276	287m	0.08	ng/ul	

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