

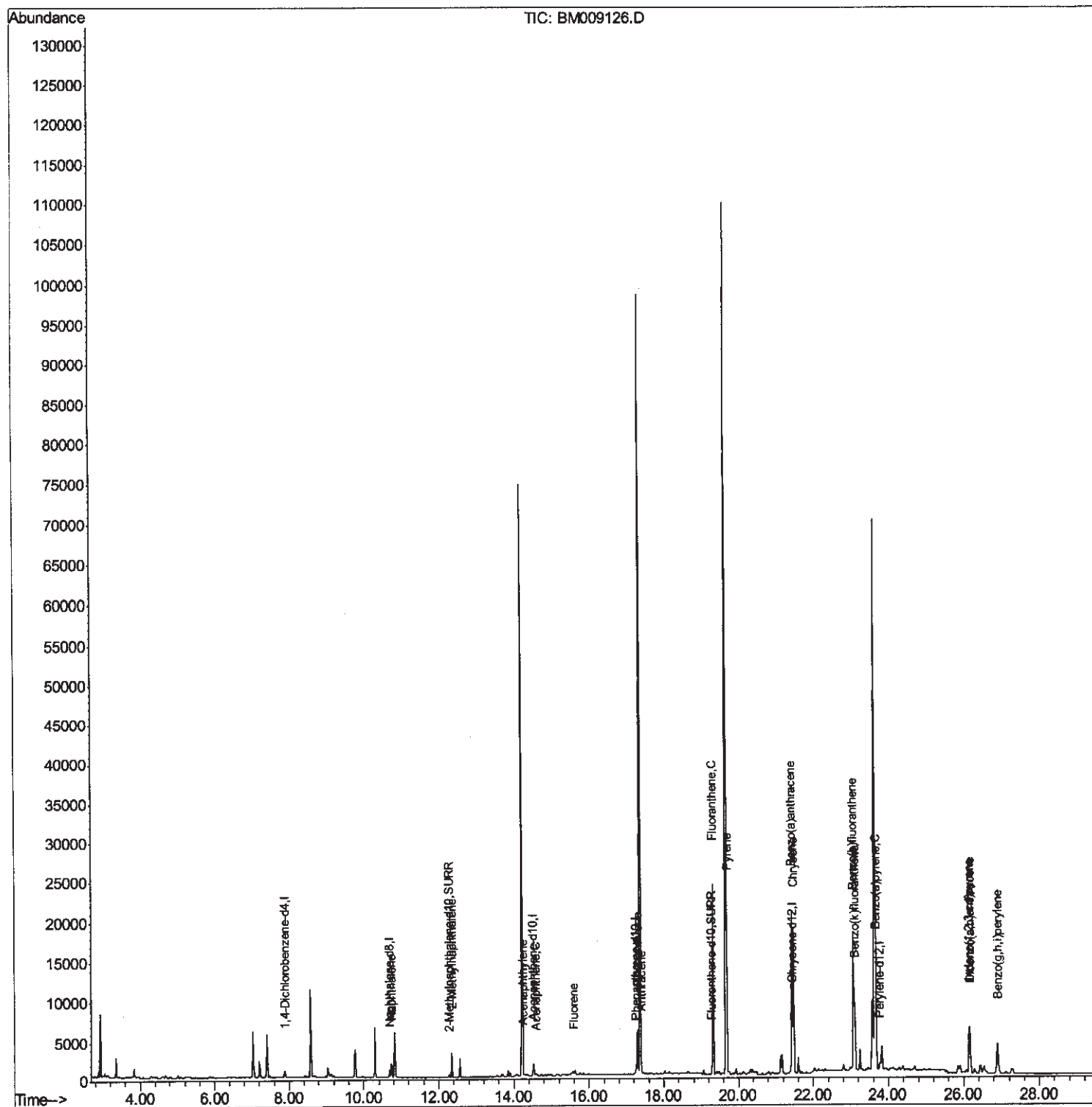
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:45:04 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



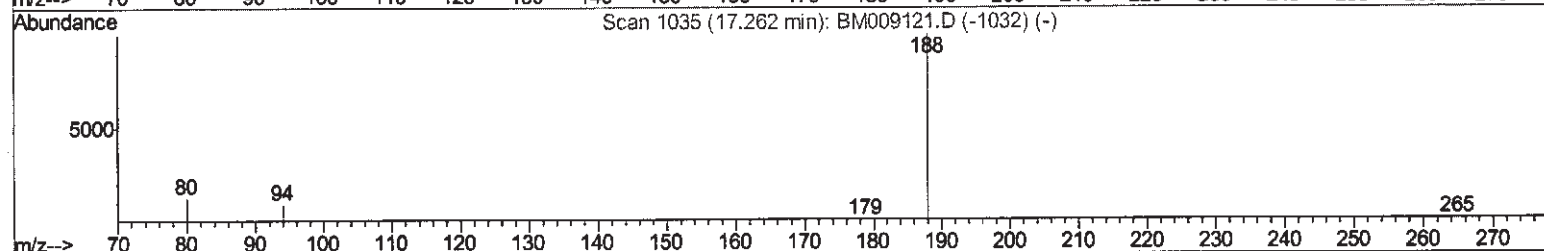
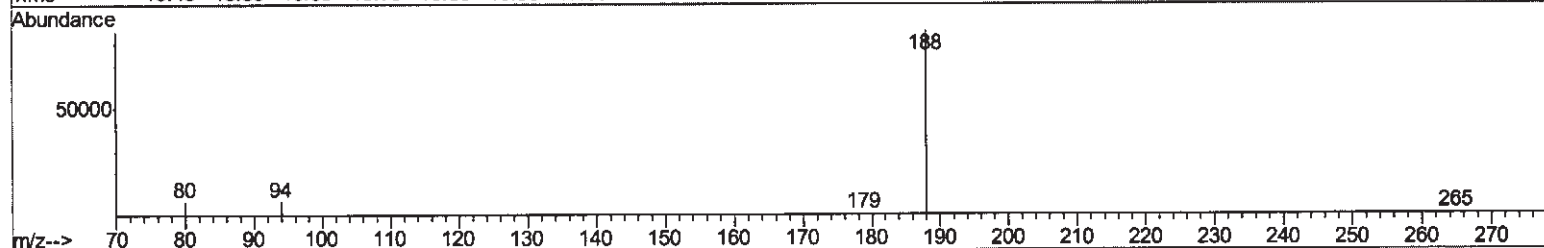
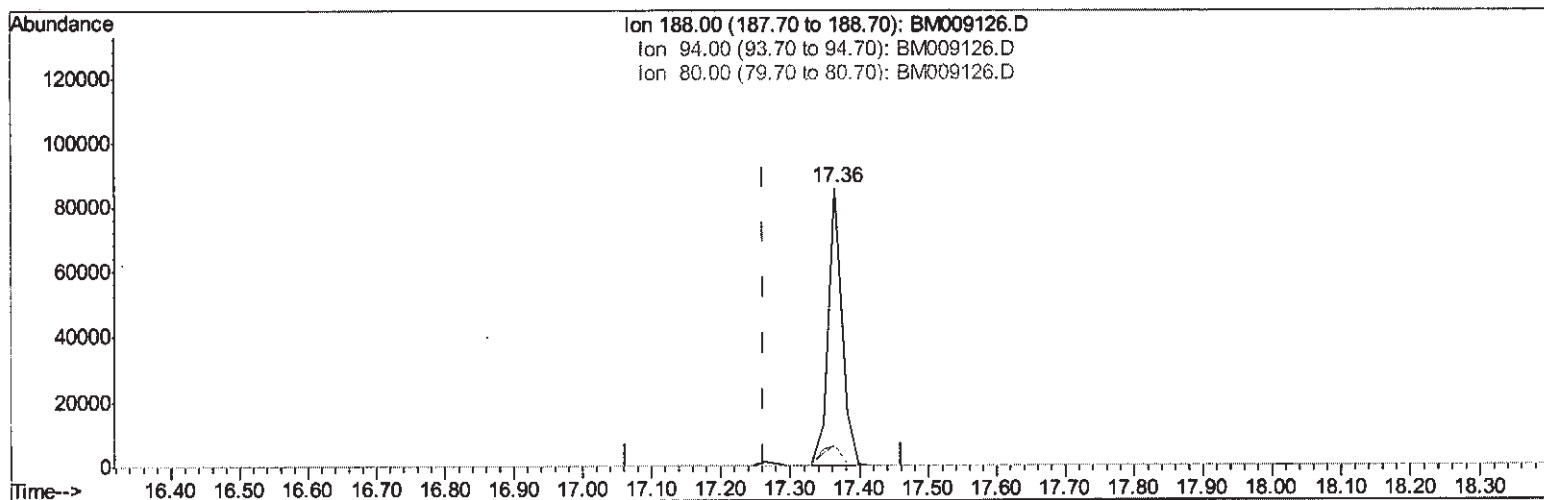
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 04:52:18 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 118342

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.30#
80.00	11.80	7.30#
0.00	0.00	0.00

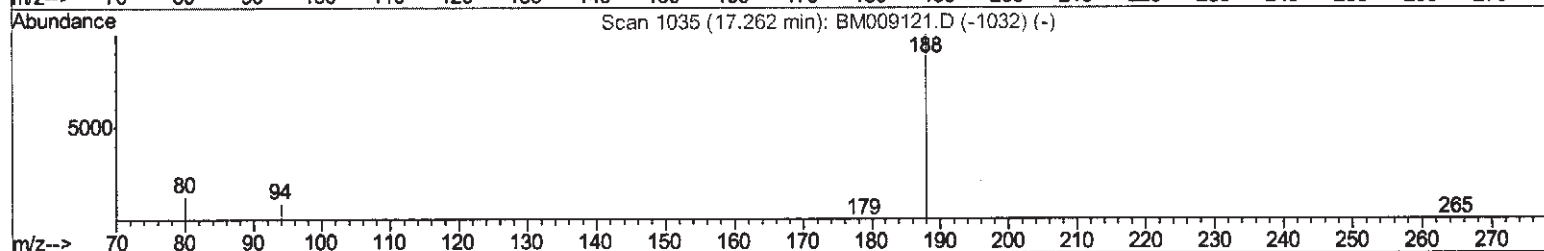
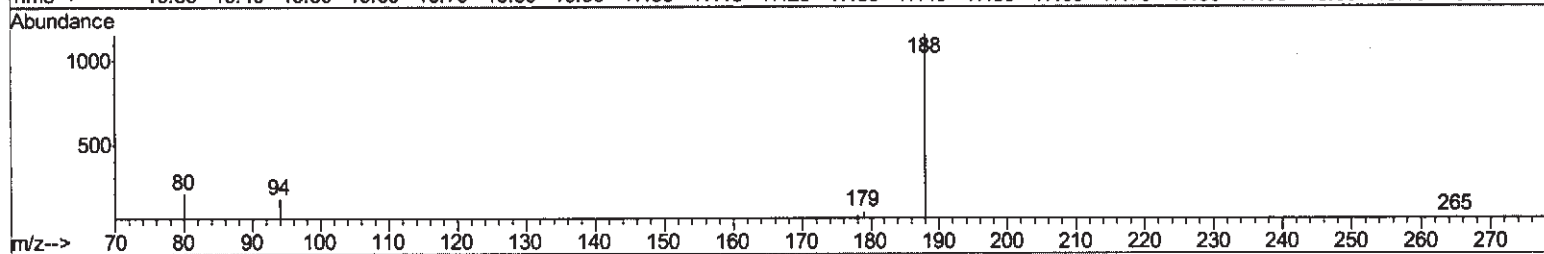
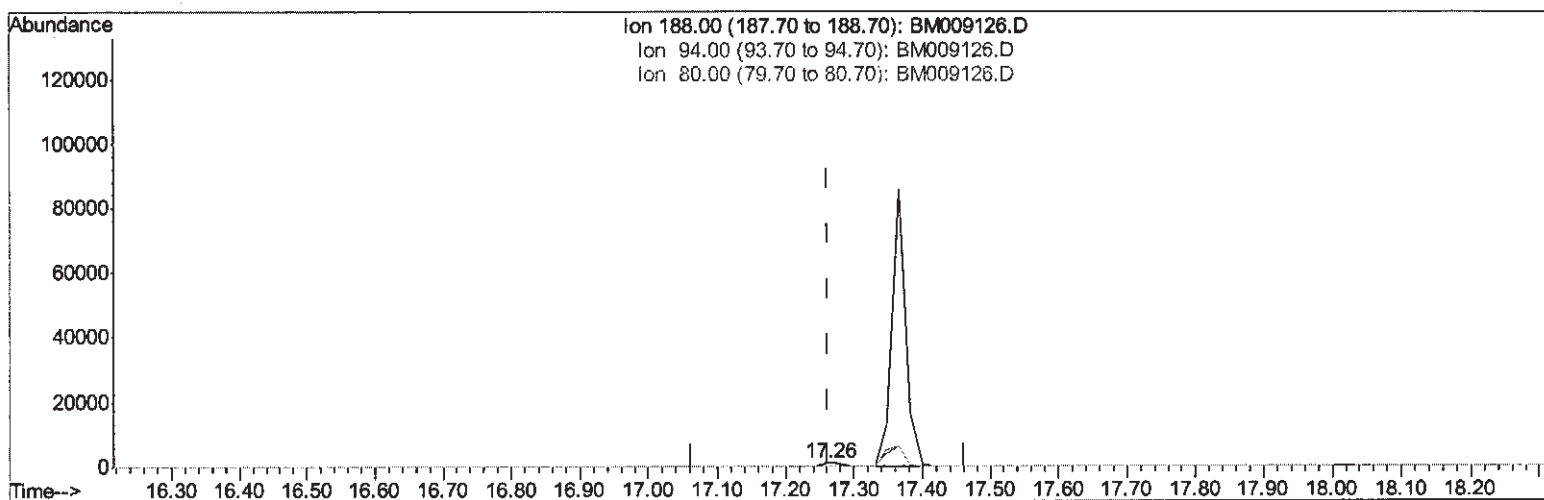
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 04:52:18 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m 53 3/16/17

response 1893

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.56#
80.00	11.80	17.05#
0.00	0.00	0.00

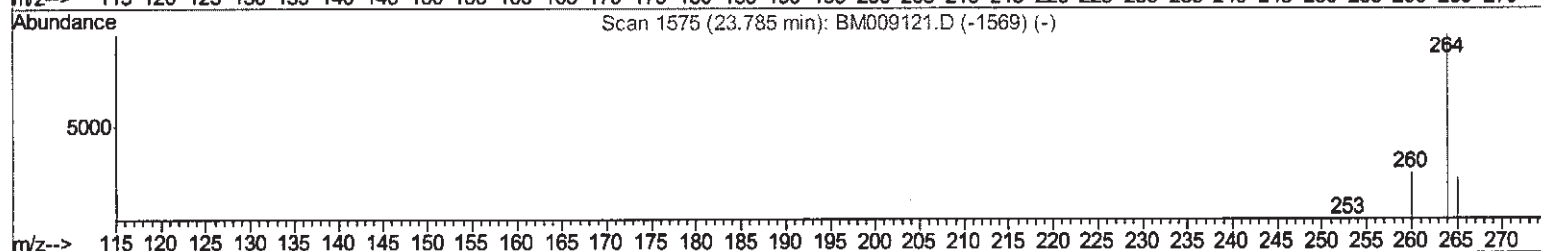
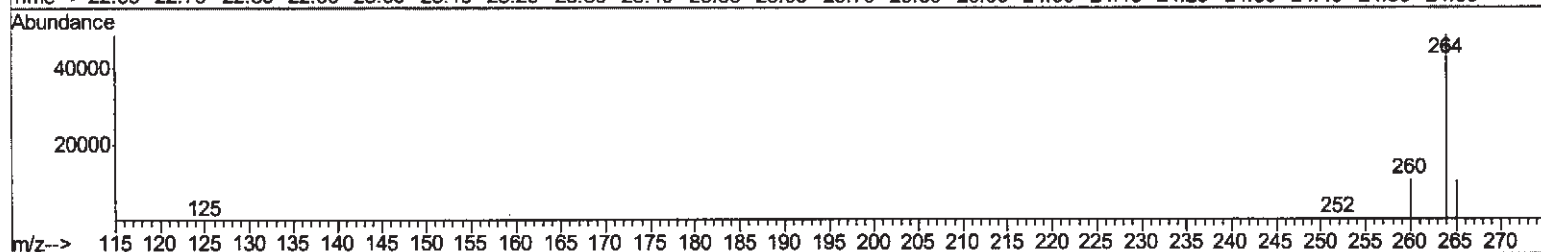
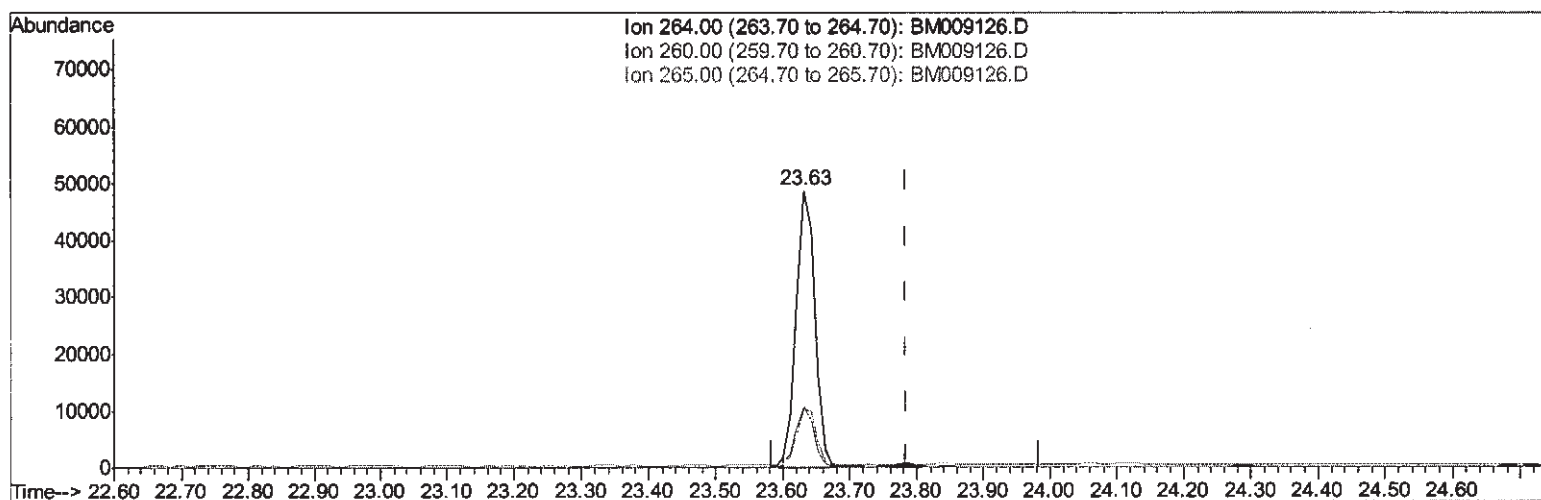
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 04:52:18 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(20) Perylene-d12 (I)

23.632min (-0.153) 0.40ng/ul

response 93000

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.79#
265.00	103.50	21.25#
0.00	0.00	0.00

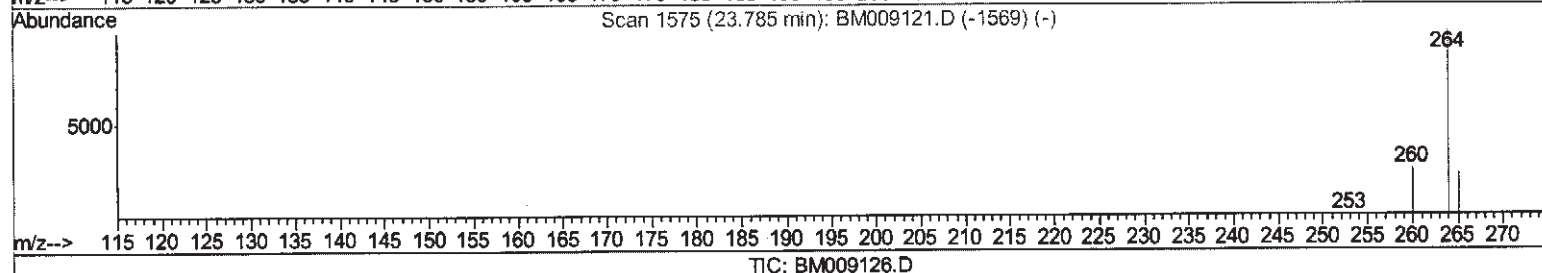
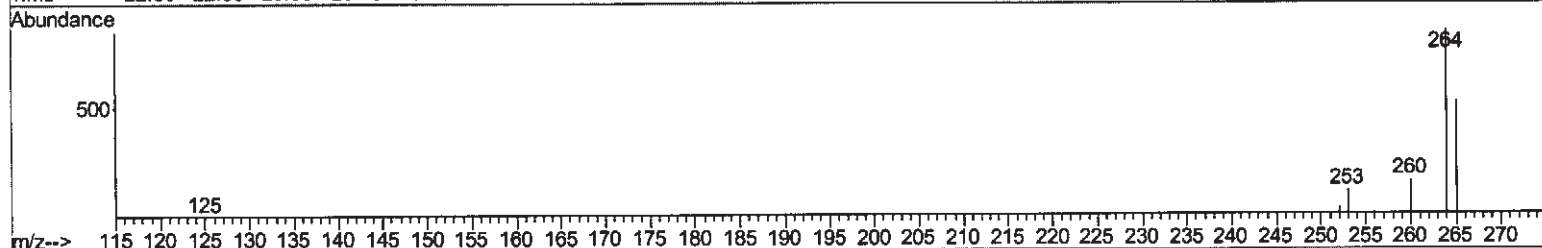
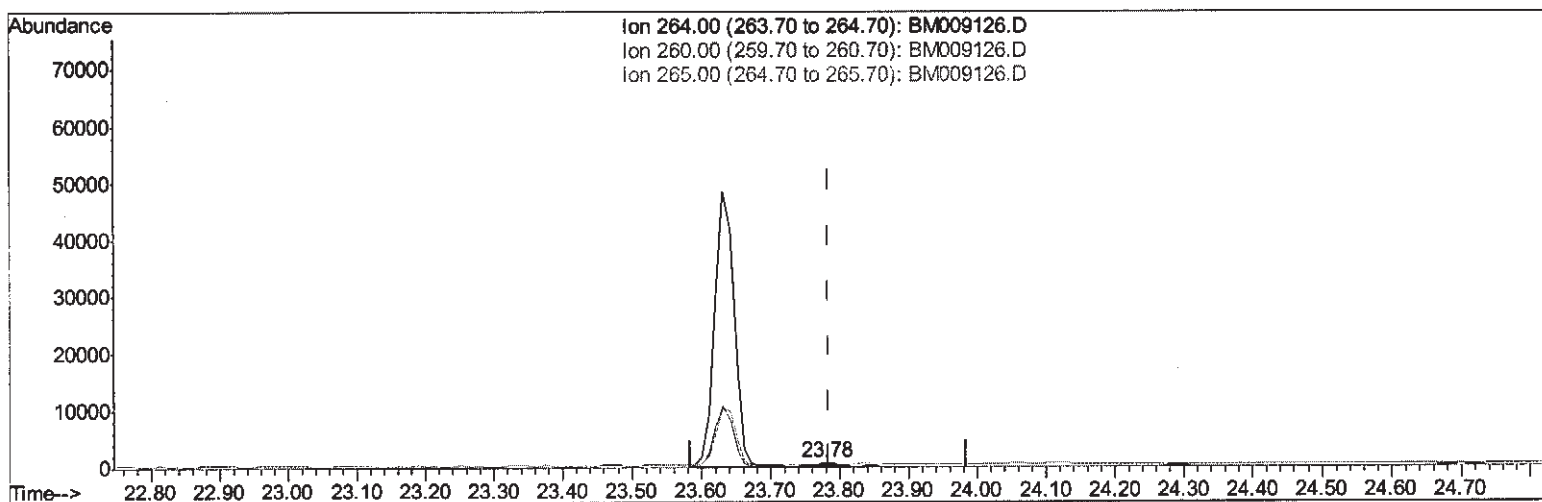
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 04:52:18 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.778min (-0.007) 0.40ng/ul m

SJ 3/16/17

response 1436

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.83
265.00	103.50	66.84#
0.00	0.00	0.00

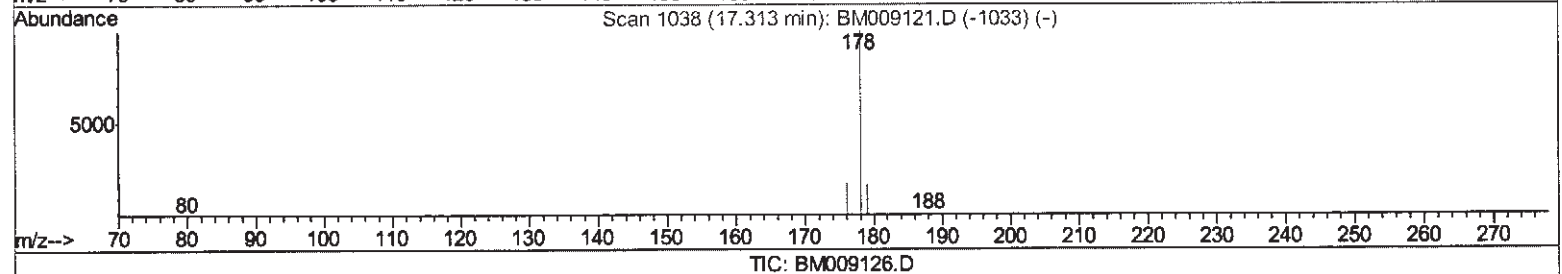
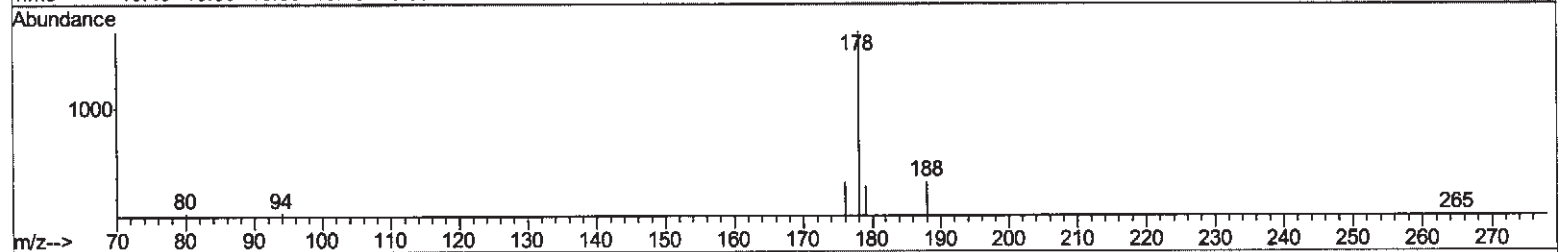
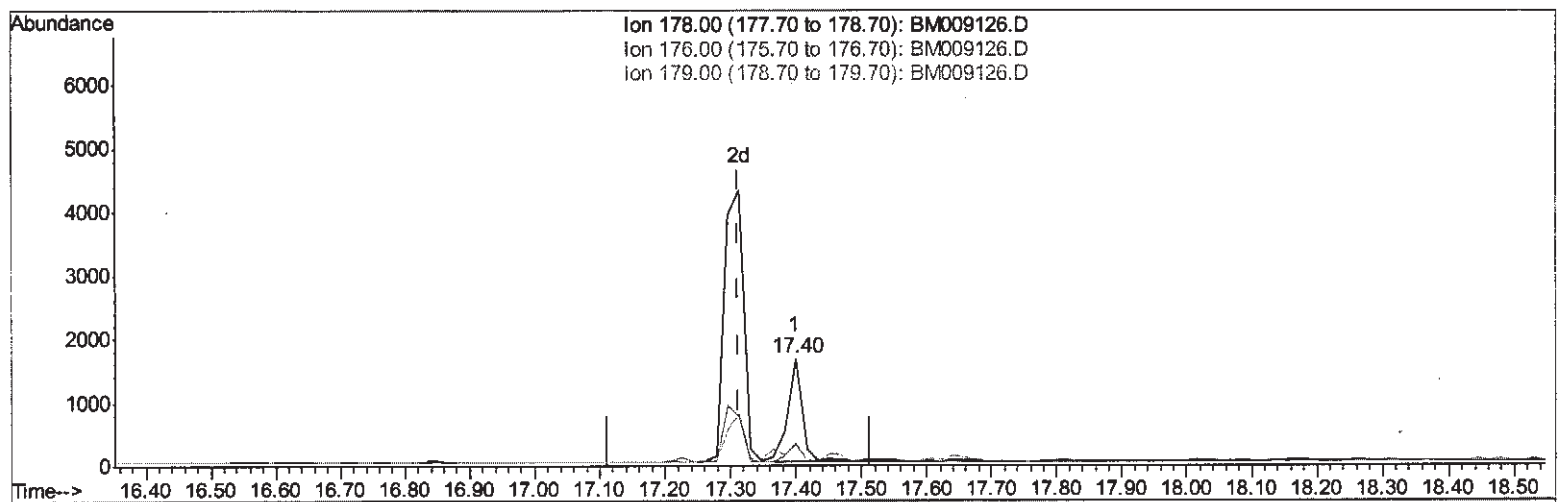
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(12) Phenanthrene

17.399min (+0.086) 0.42ng/ul

response 2498

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	20.66
179.00	17.00	19.01
0.00	0.00	0.00

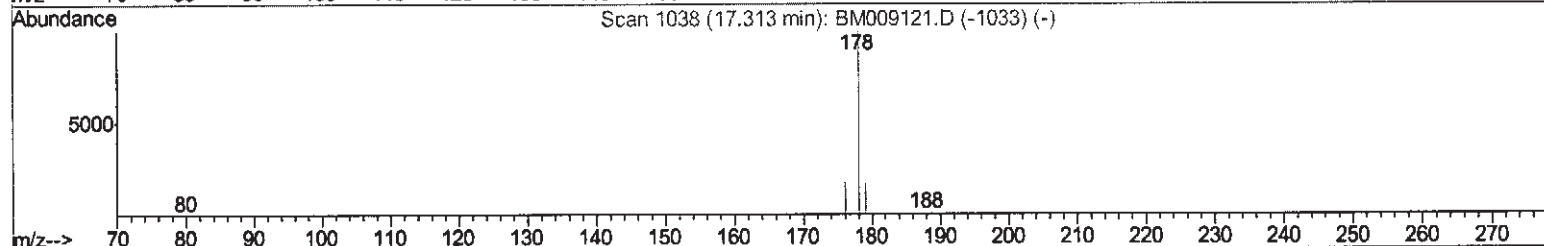
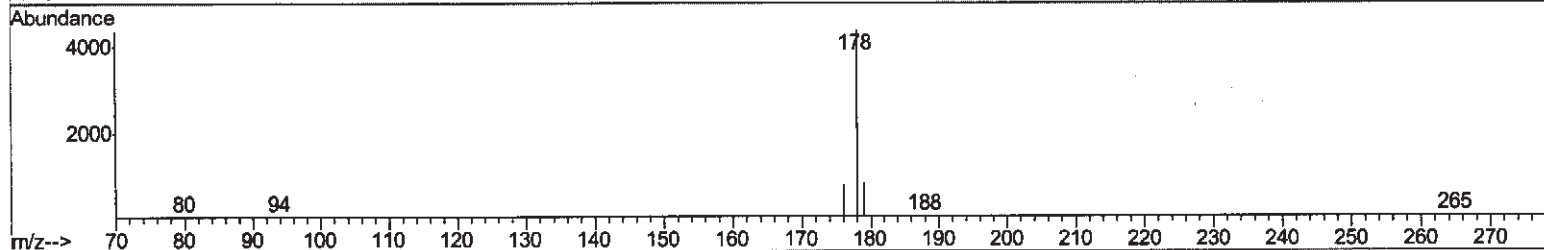
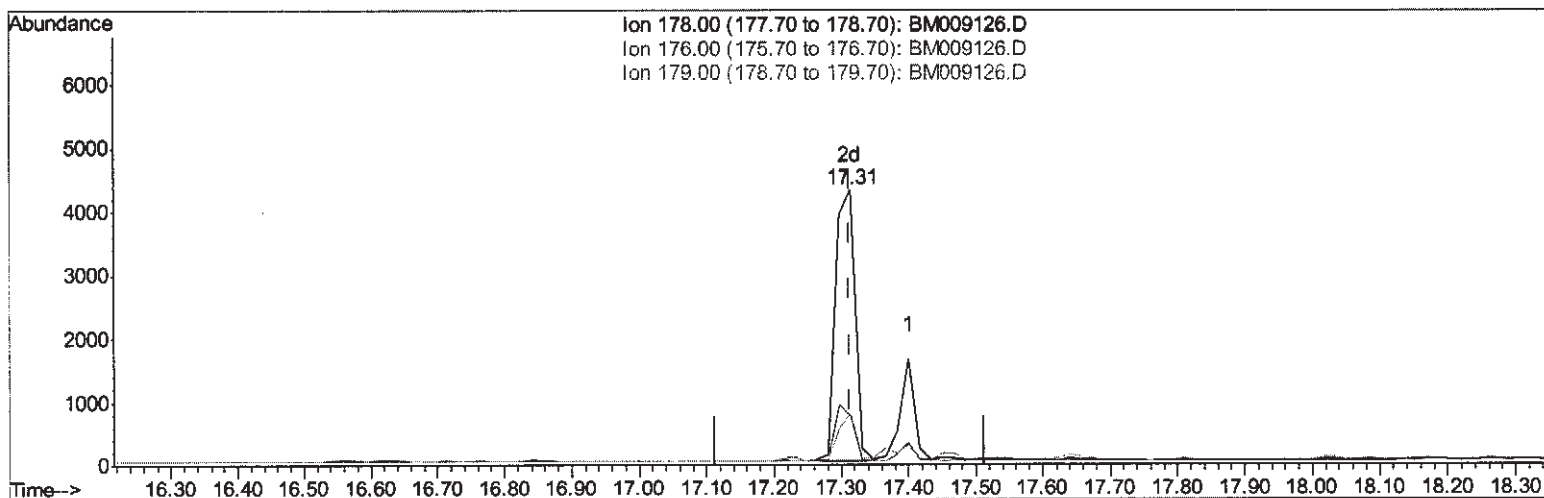
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(12) Phenanthrene

17.313min (+0.000) 1.48ng/ul m 53 3/16/17

response 8803

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	17.75#
179.00	17.00	18.57
0.00	0.00	0.00

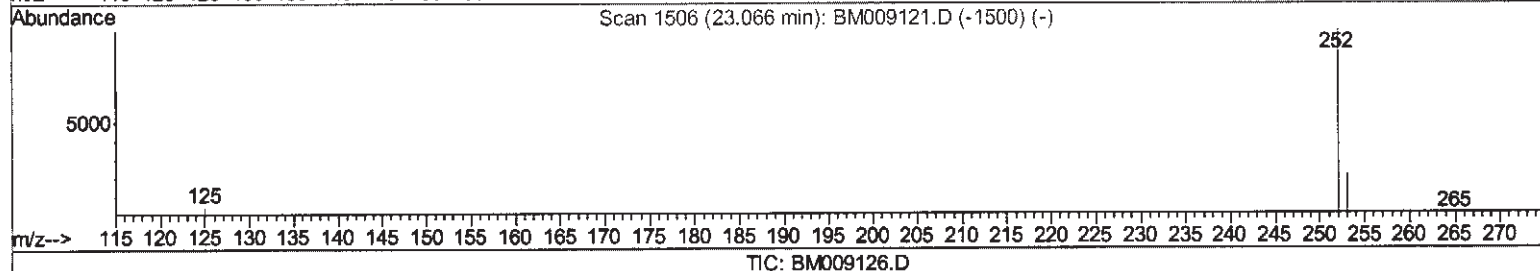
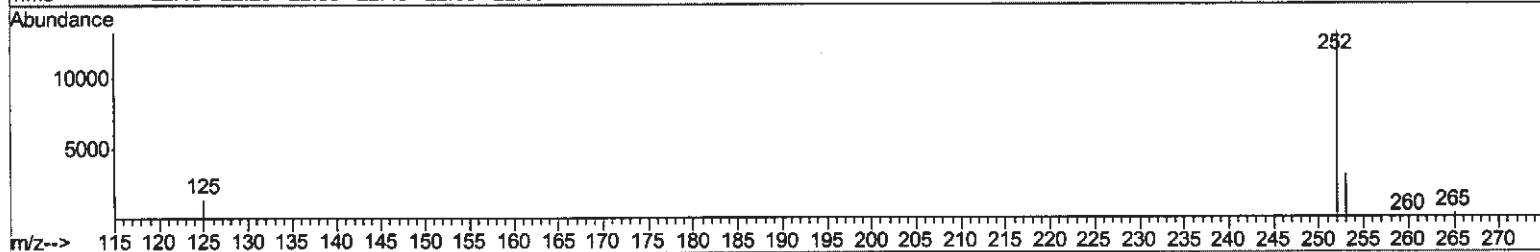
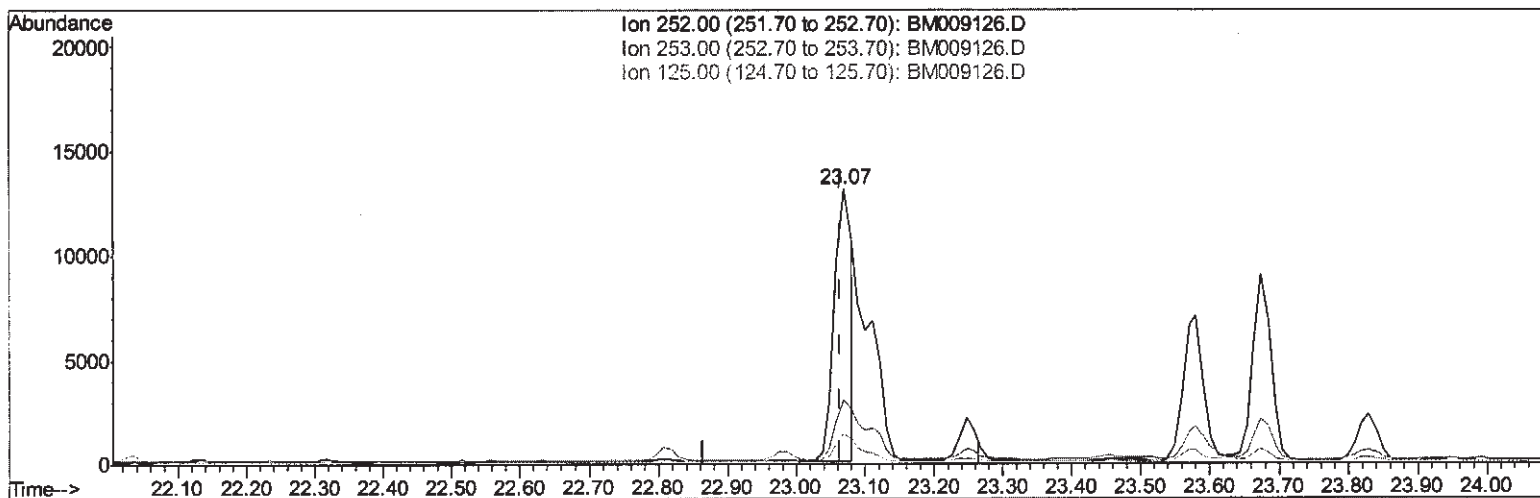
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

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3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.069min (+0.003) 4.07ng/ul

response 22933

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.55
125.00	17.50	10.93
0.00	0.00	0.00

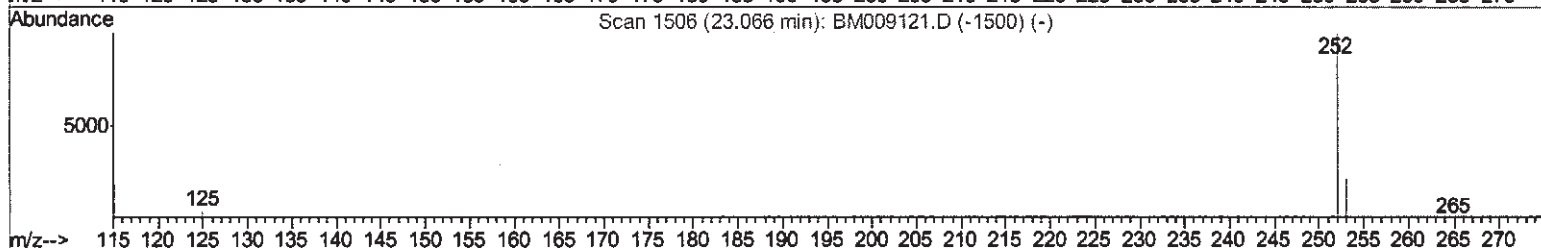
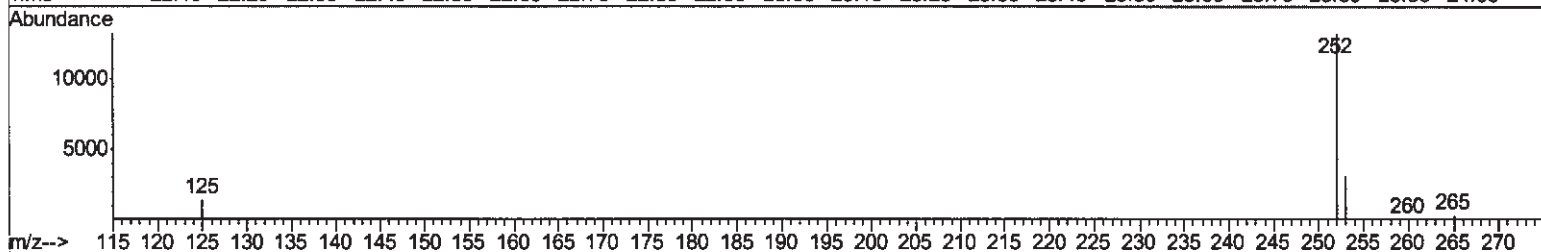
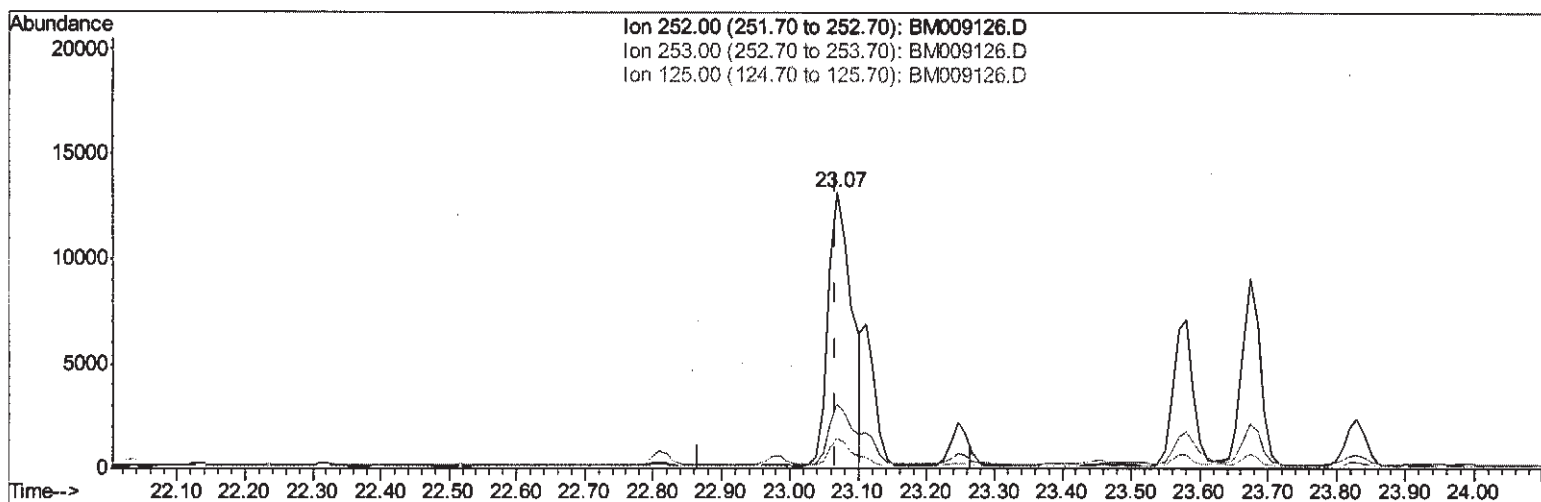
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(21) Benzo(b)fluoranthene

23.069min (+0.003) 5.75ng/ul m

SD 3/16/17

response 32450

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.55
125.00	17.50	10.93
0.00	0.00	0.00

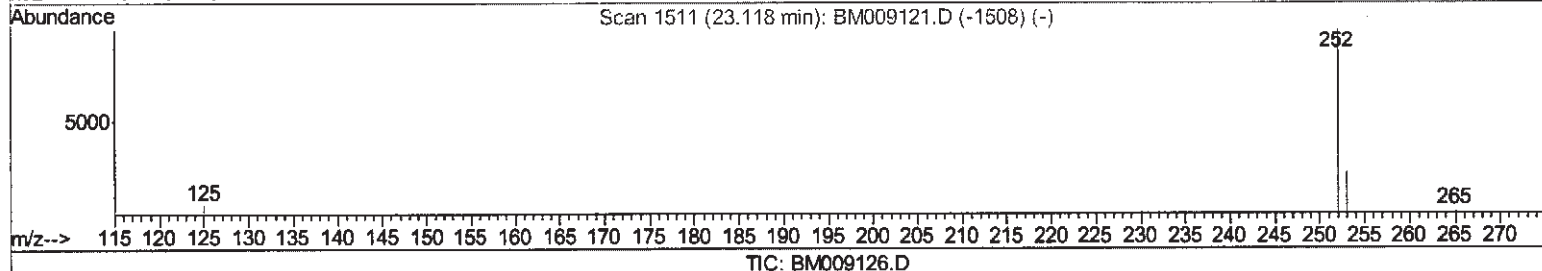
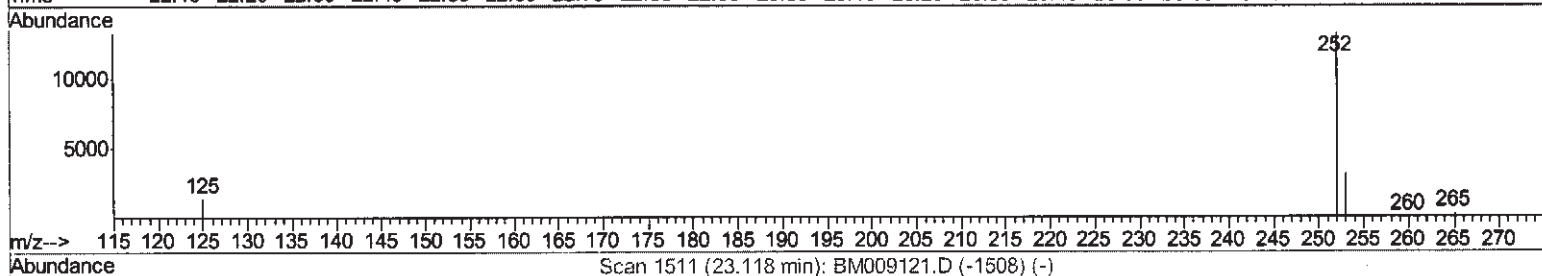
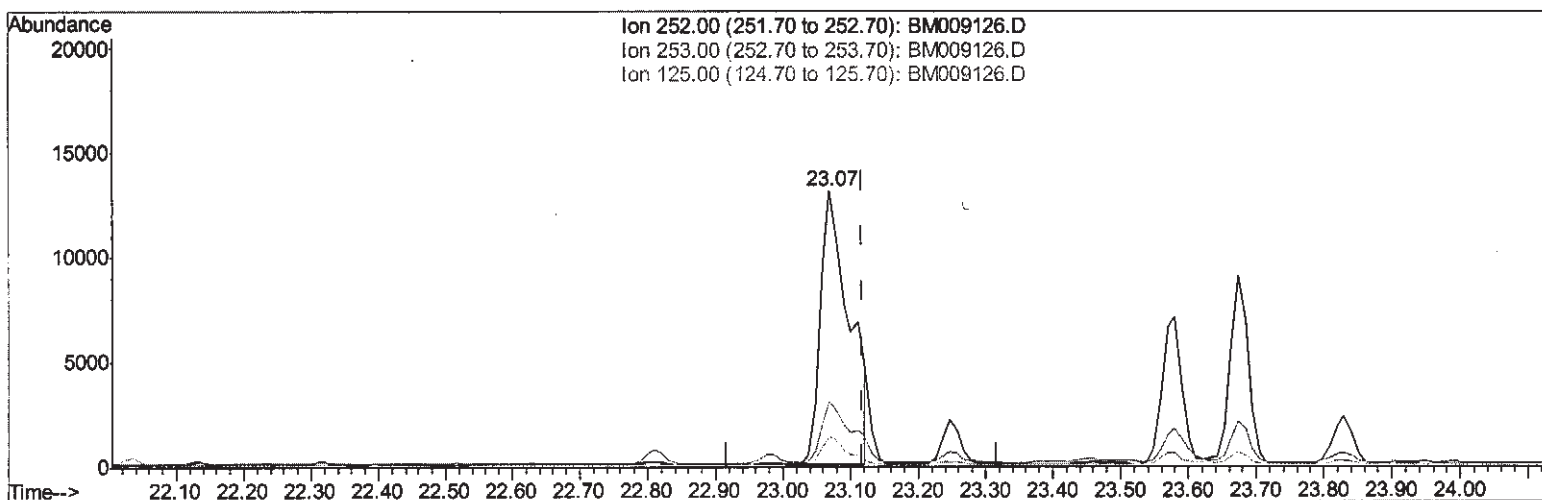
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

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3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.069min (-0.049) 7.78ng/ui

response 38800

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.55#
125.00	17.10	10.93#
0.00	0.00	0.00

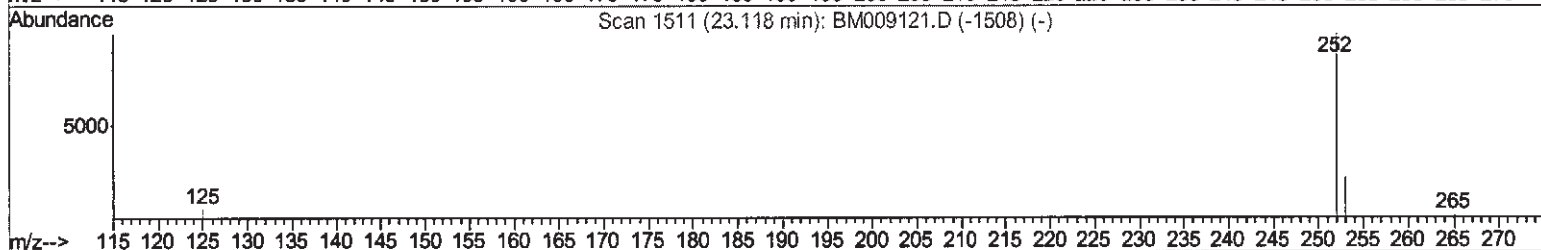
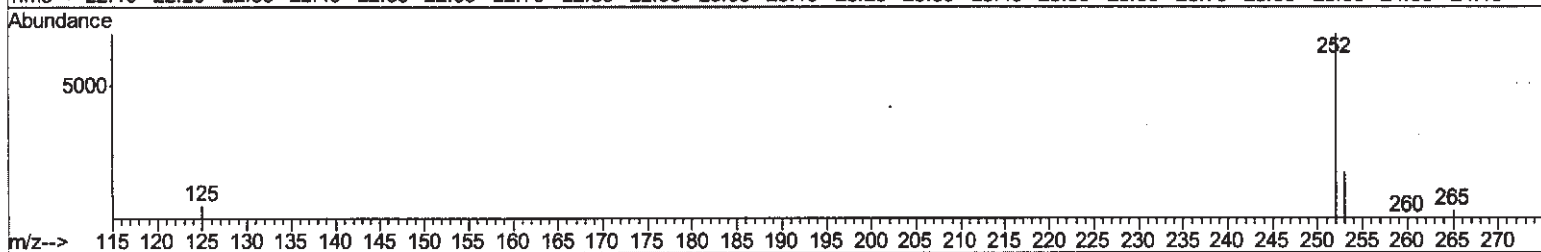
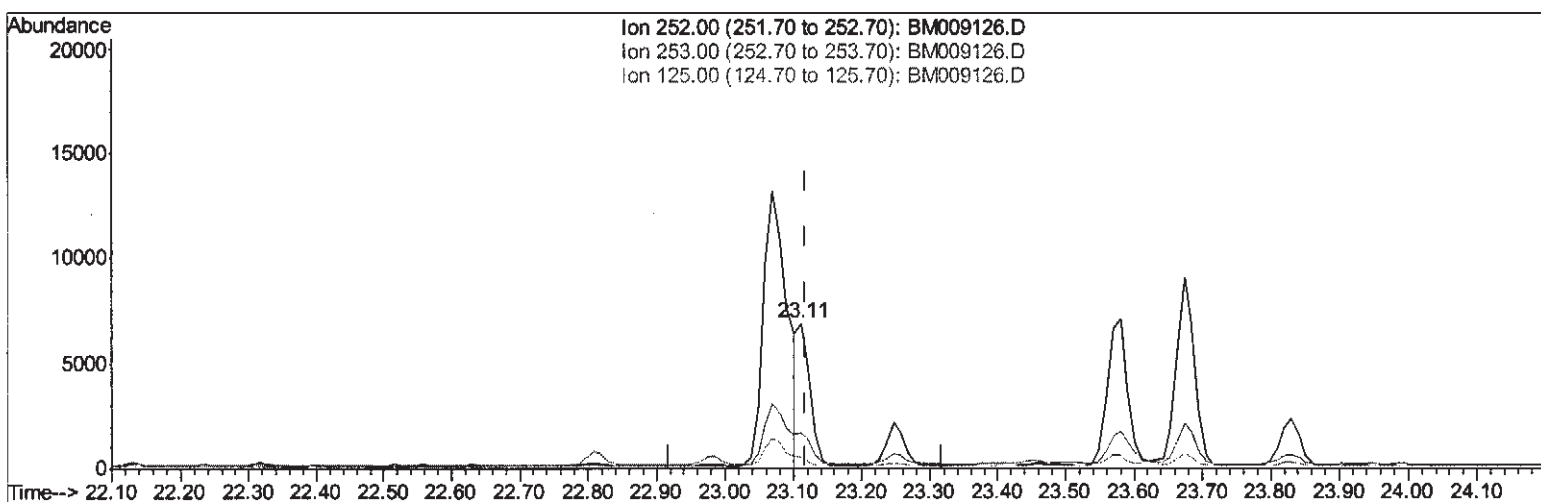
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

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3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(22) Benzo(k)fluoranthene

23.111min (-0.007) 1.85ng/ul m

SJ 3/12/17

response 9205

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.03
125.00	17.10	7.65#
0.00	0.00	0.00

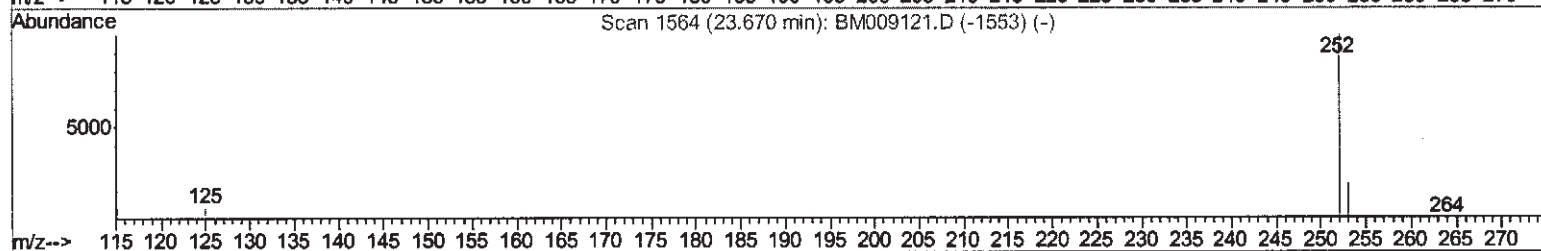
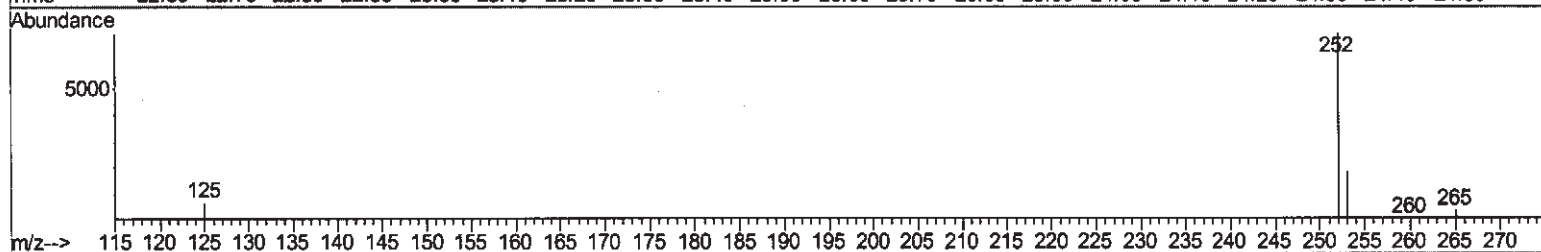
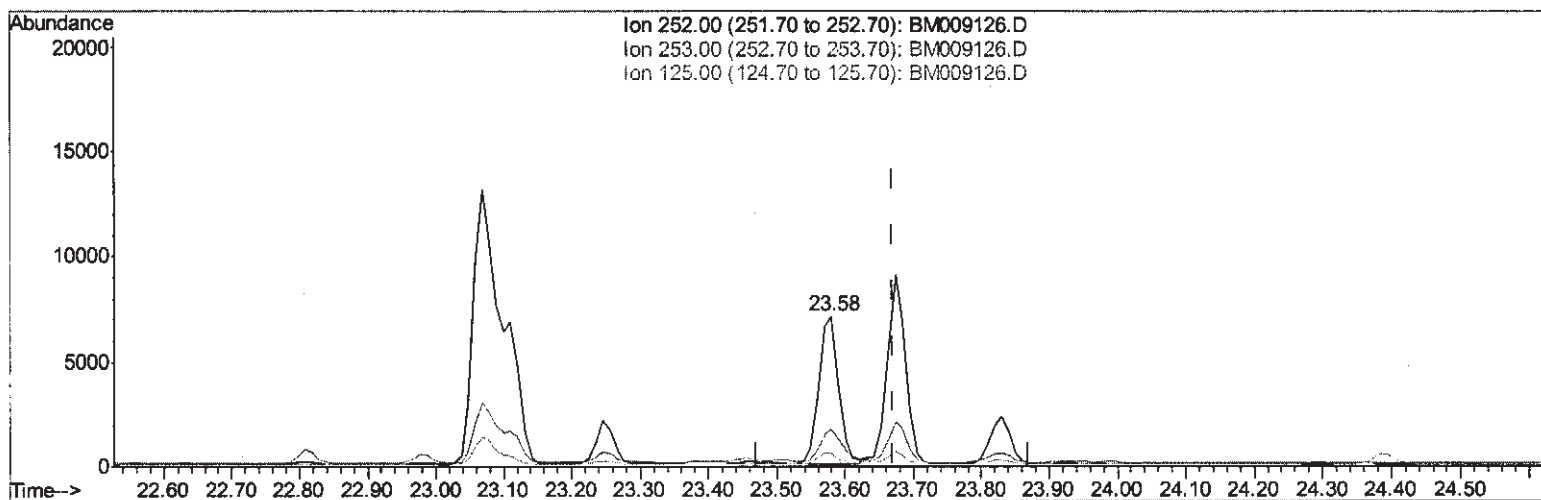
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

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3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 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: BM009126.D

(23) Benzo(a)pyrene (C)

23.580min (-0.090) 2.79ng/ul

response 14159

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.34#
125.00	22.60	9.06#
0.00	0.00	0.00

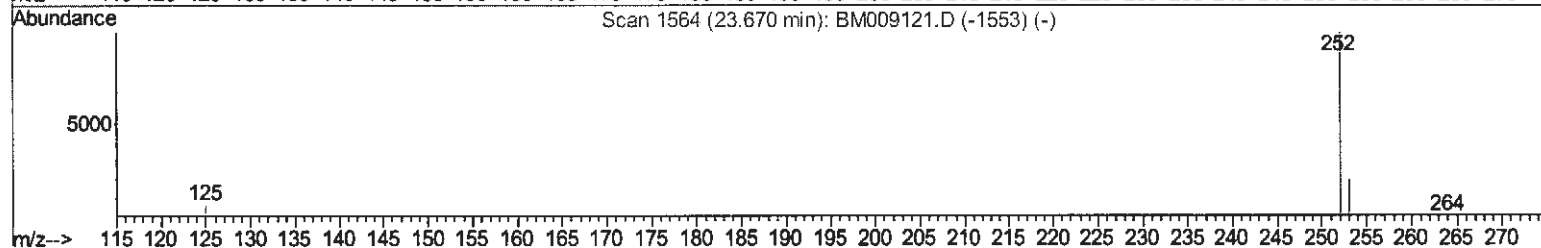
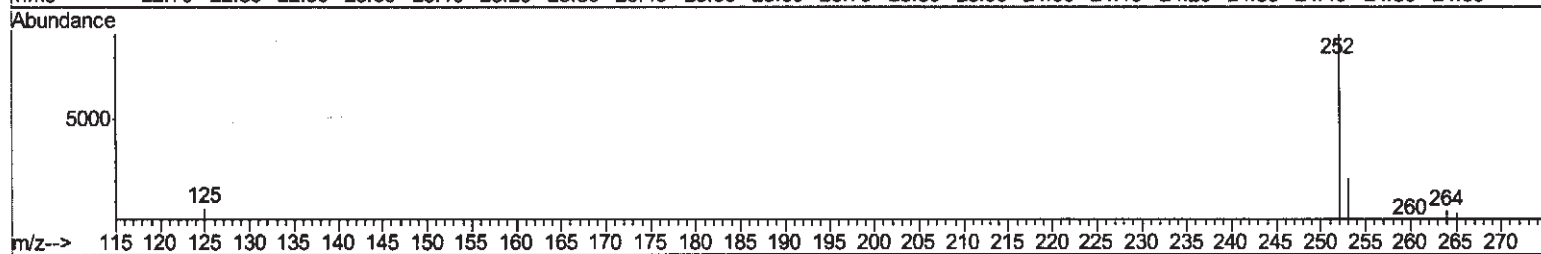
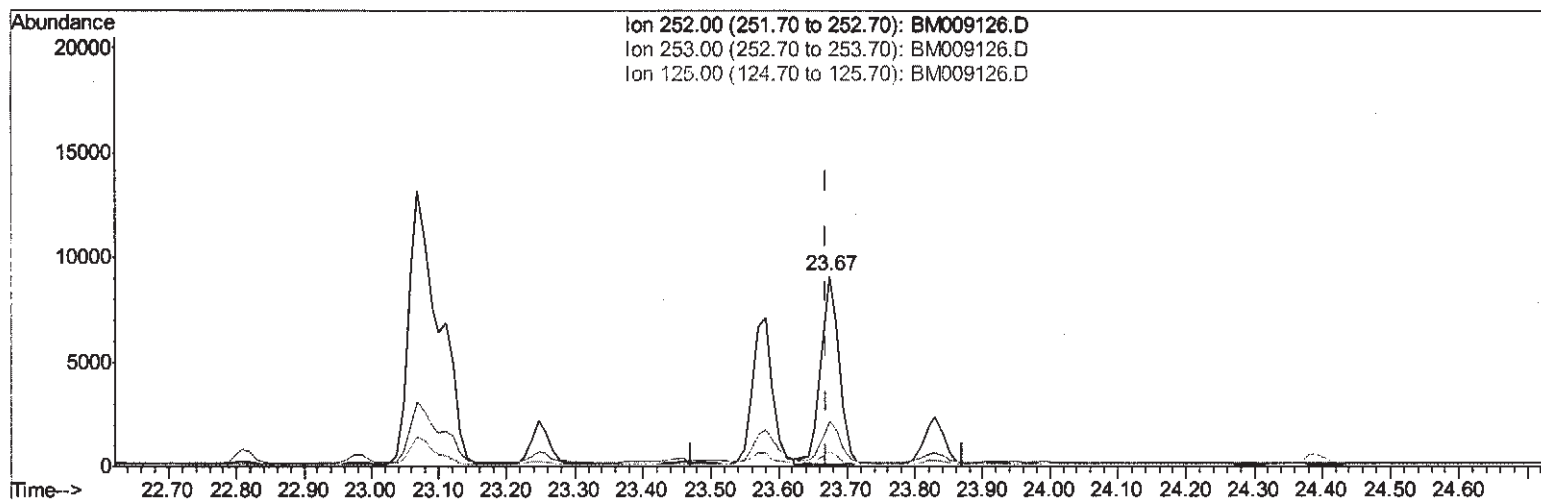
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009126.D

(23) Benzo(a)pyrene (C)

23.674min (+0.003) 3.33ng/ul m

51 3/16/17

response 16889

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.44#
125.00	22.60	7.80#
0.00	0.00	0.00

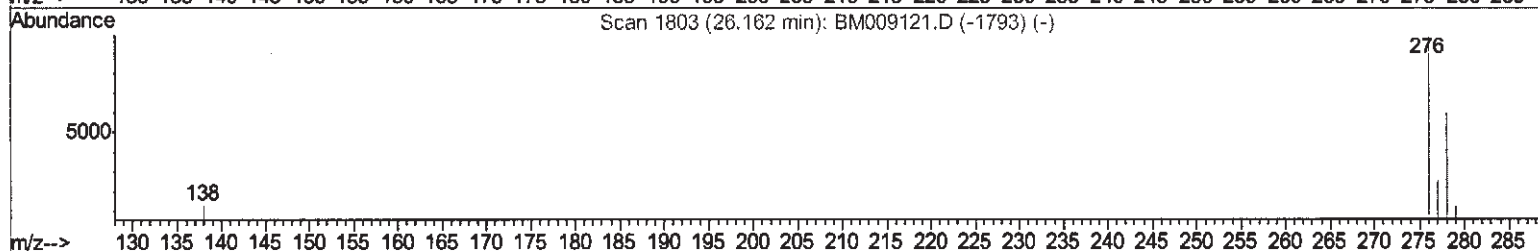
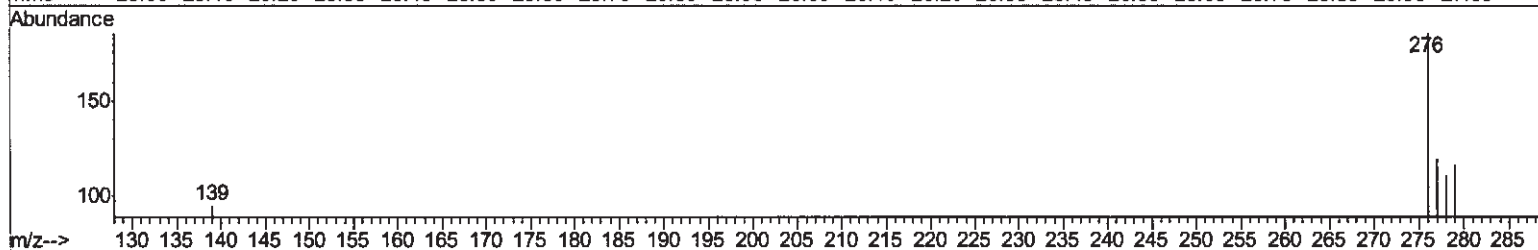
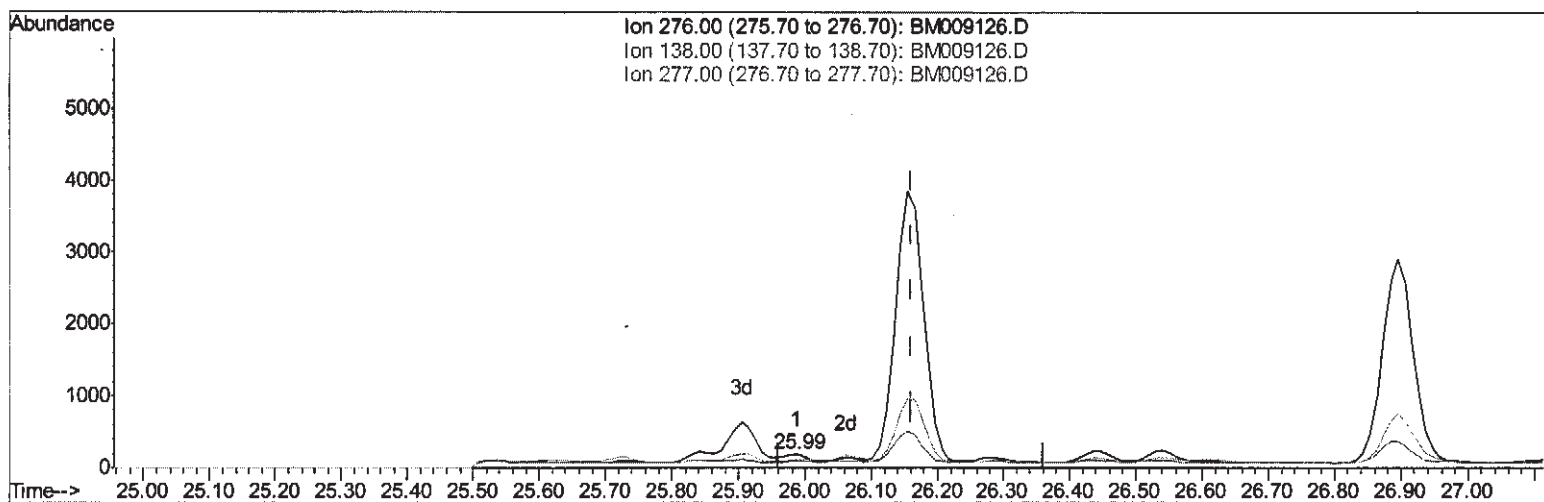
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009126.D

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

25.988min (-0.174) 0.04ng/ul

response 240

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	20.83
277.00	24.50	42.08#
0.00	0.00	0.00

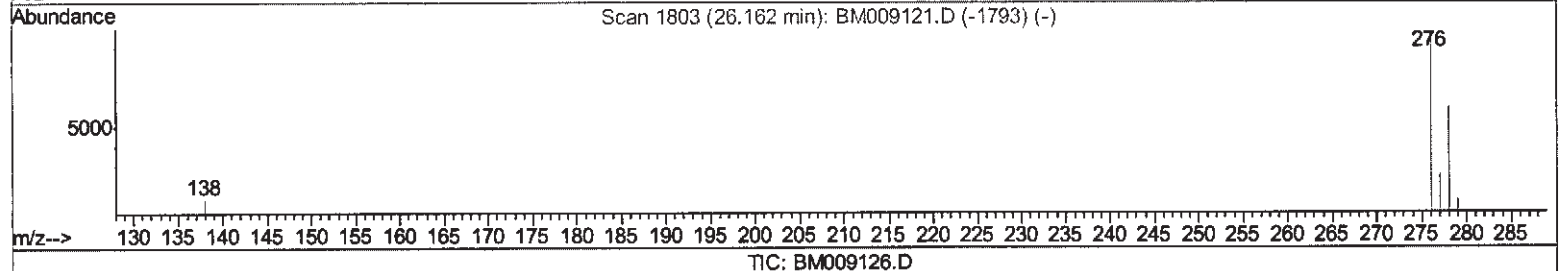
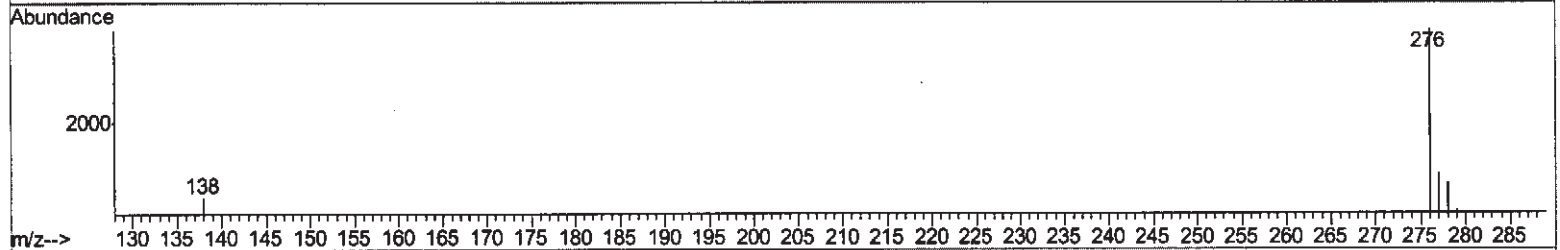
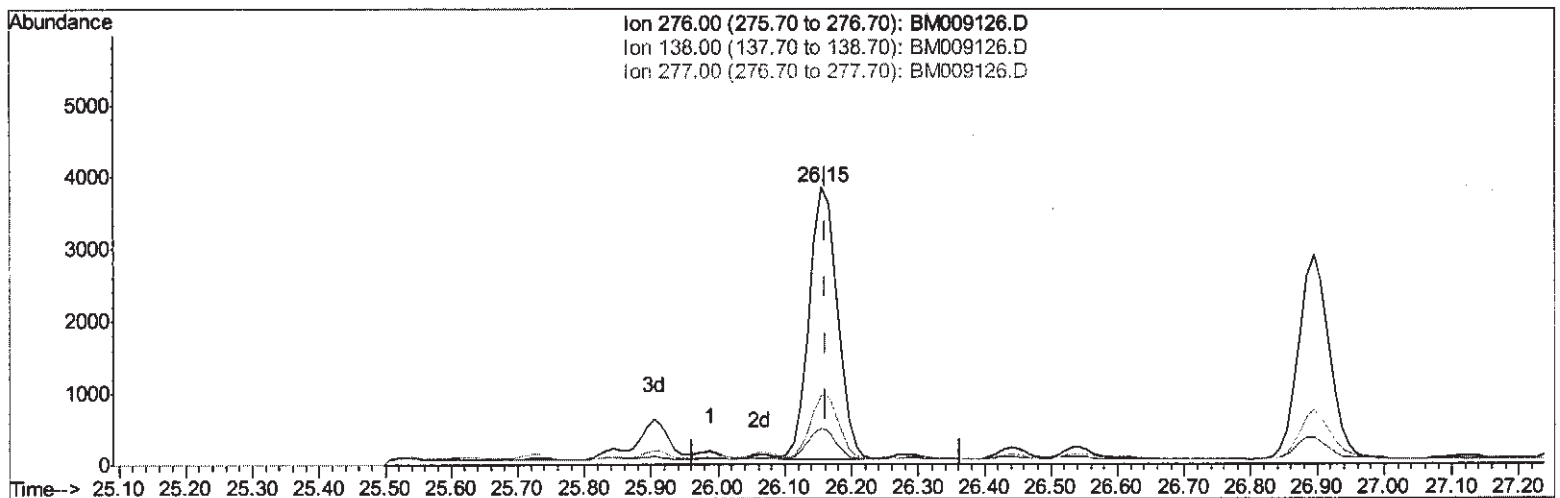
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
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mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



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

26.155min (-0.007) 1.72ng/ul m

SJ 3/16/17

response 11115

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.45#
277.00	24.50	0.91#
0.00	0.00	0.00

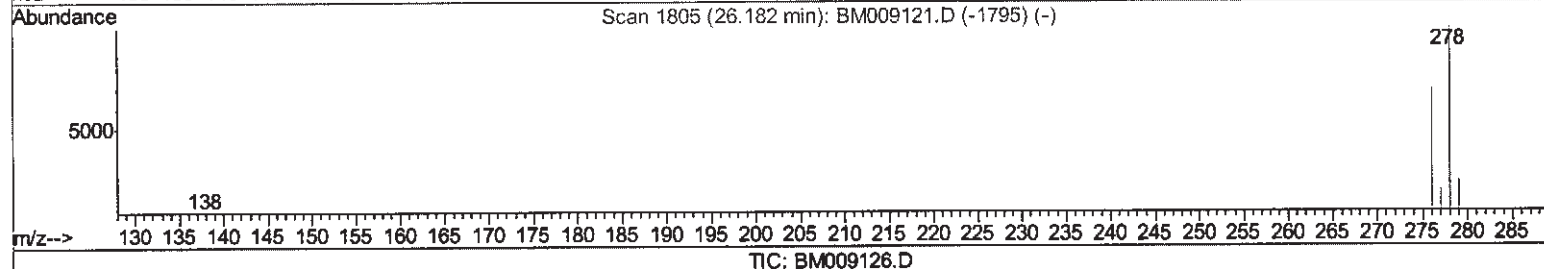
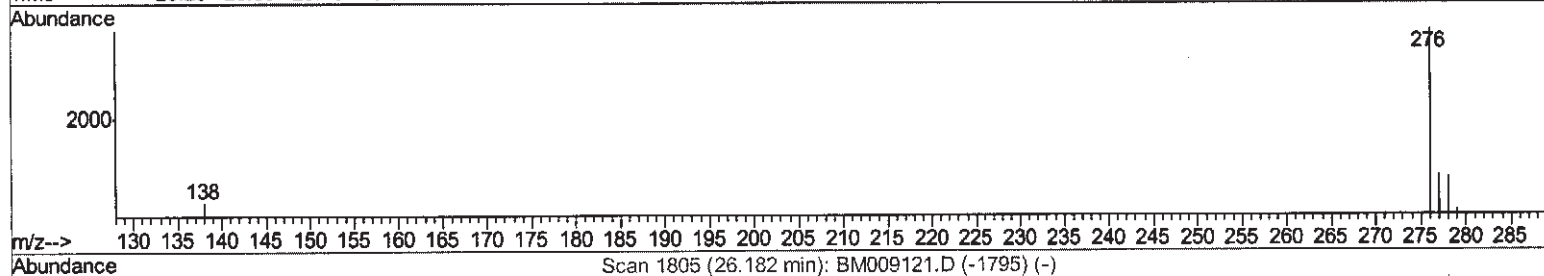
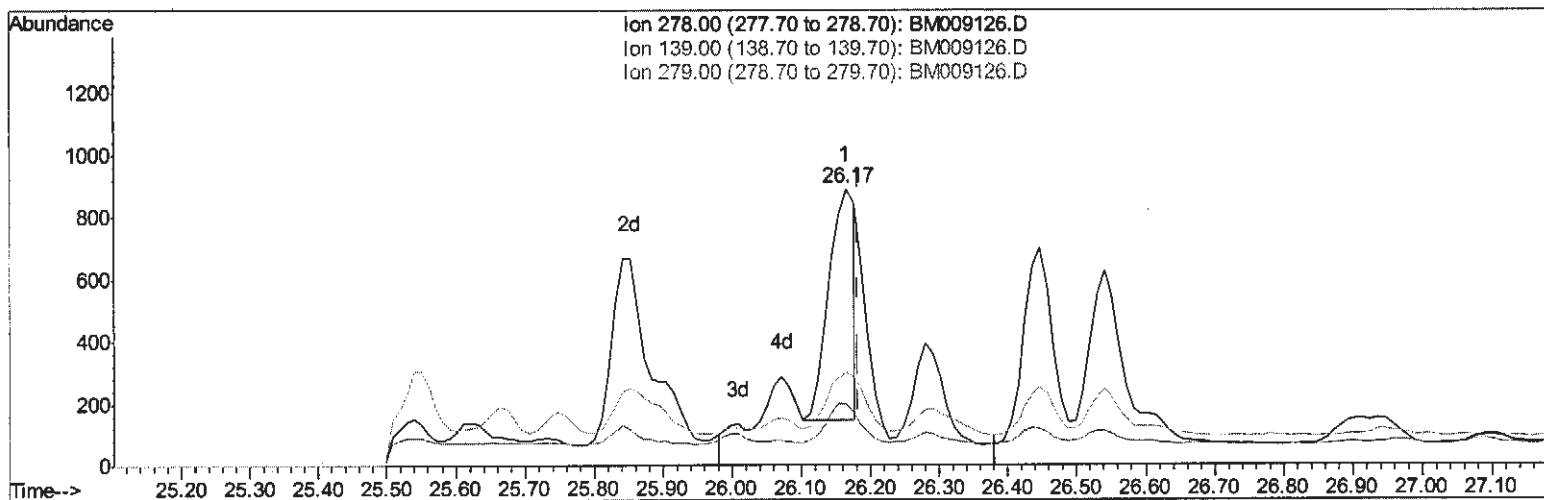
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
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mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.165min (-0.017) 0.36ng/ul

response 1932

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.45
279.00	32.40	33.45
0.00	0.00	0.00

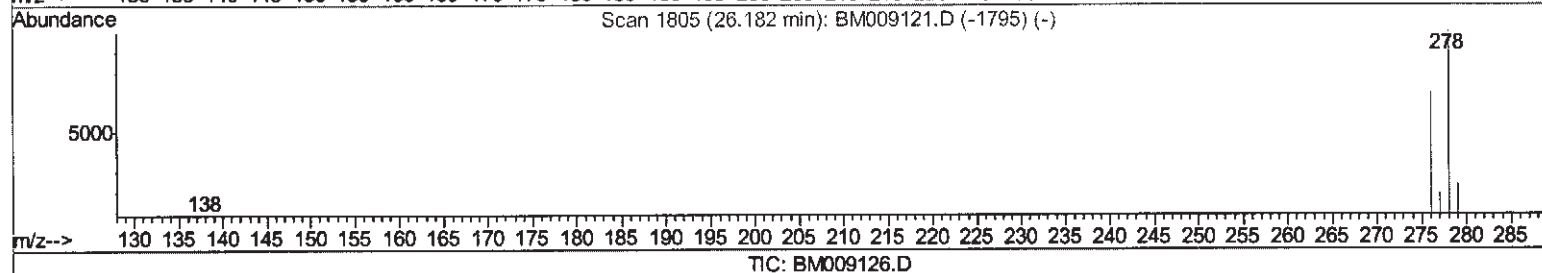
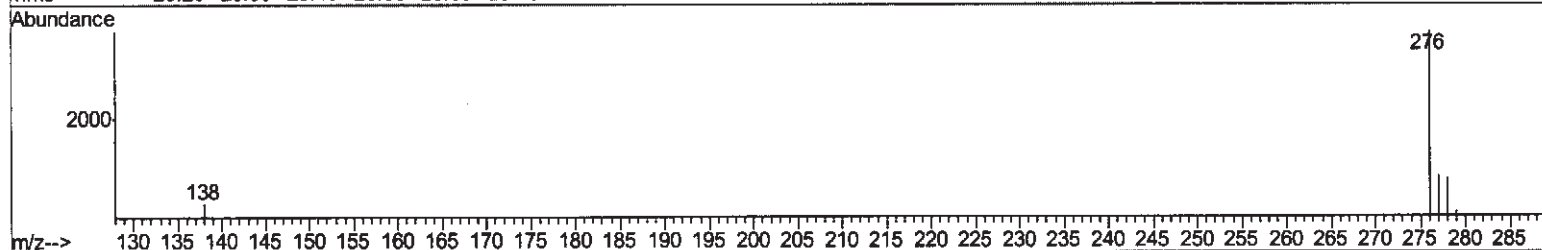
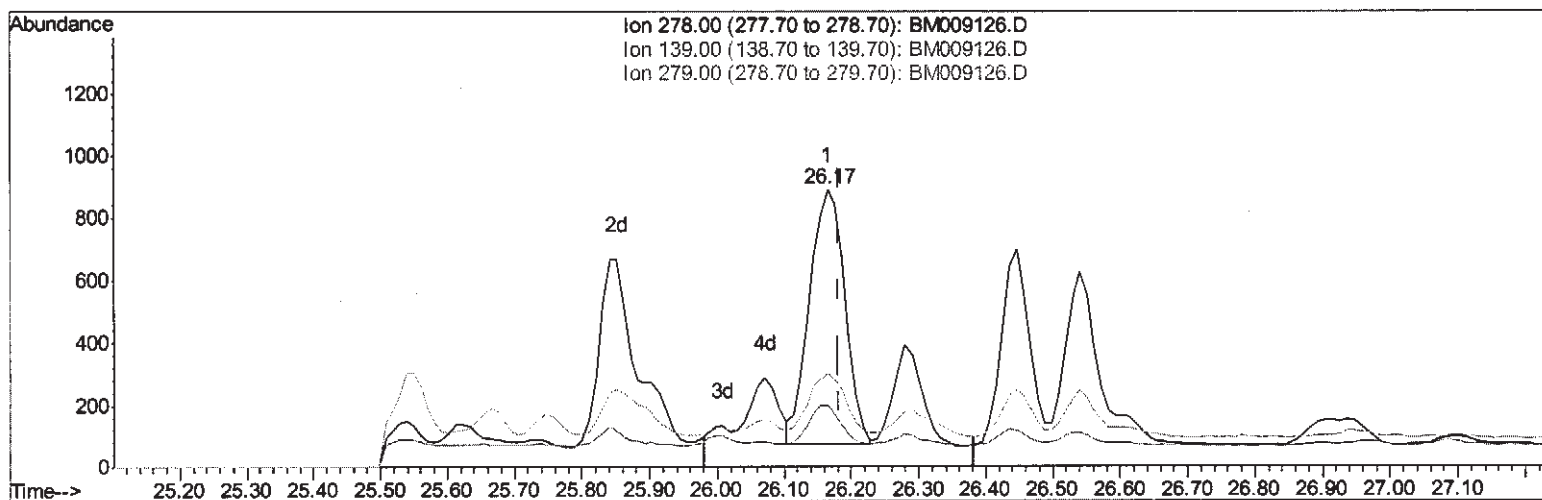
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.165min (-0.017) 0.55ng/ul m SJ 3/16/17

response 2974

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.45
279.00	32.40	33.45
0.00	0.00	0.00

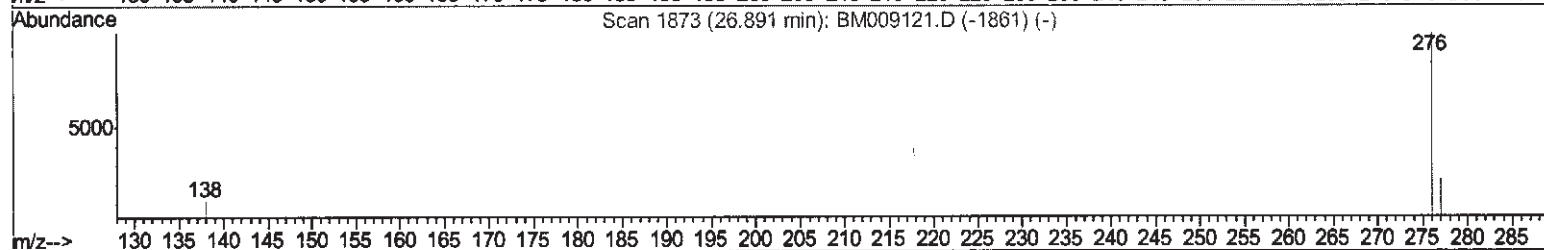
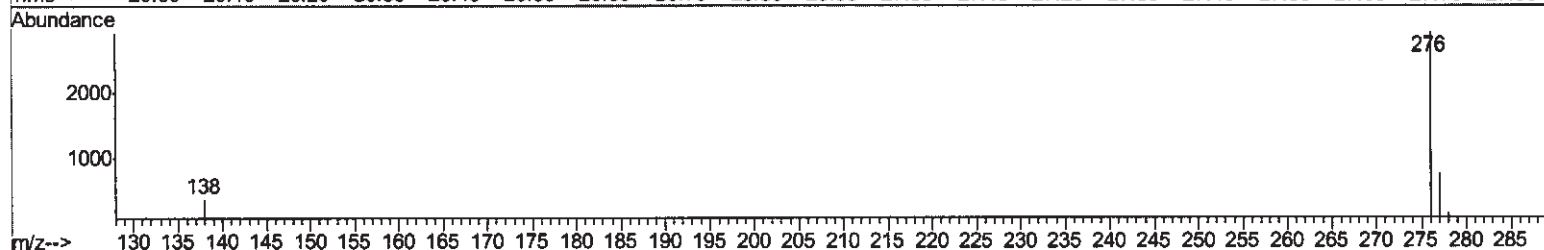
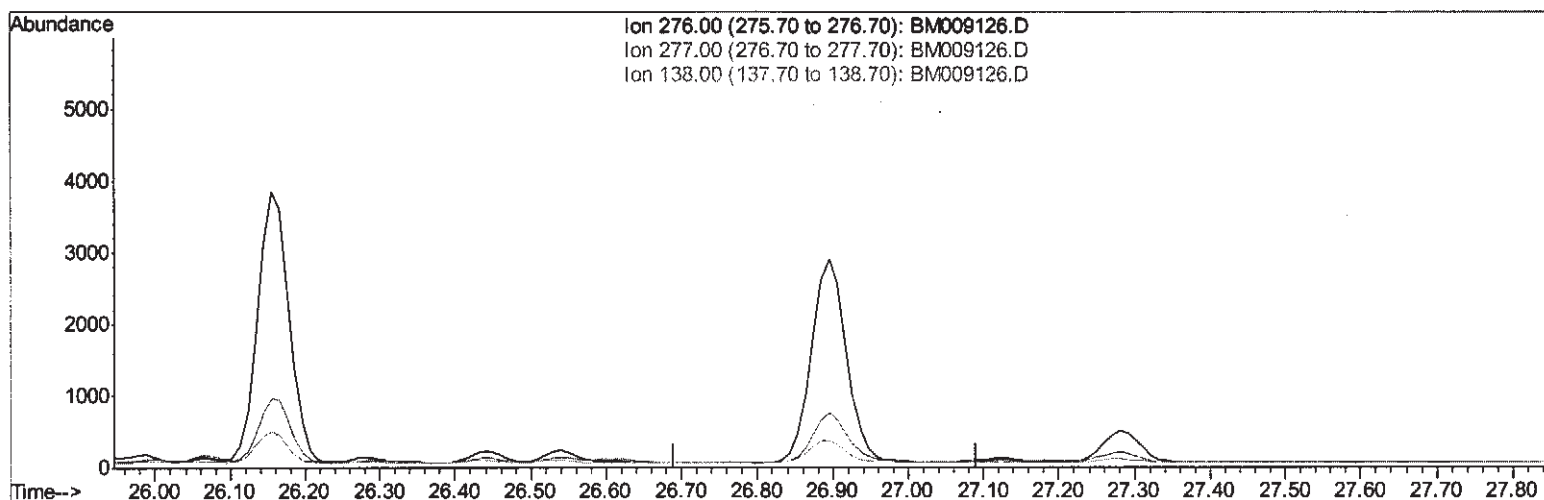
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
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mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(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

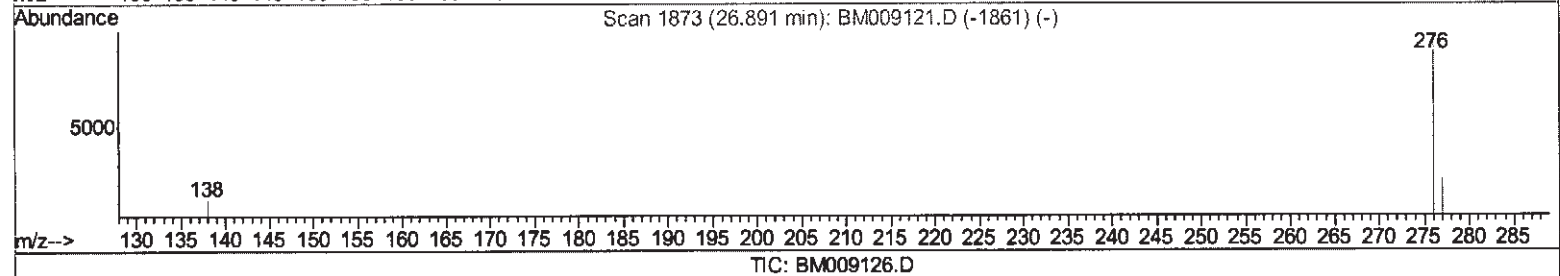
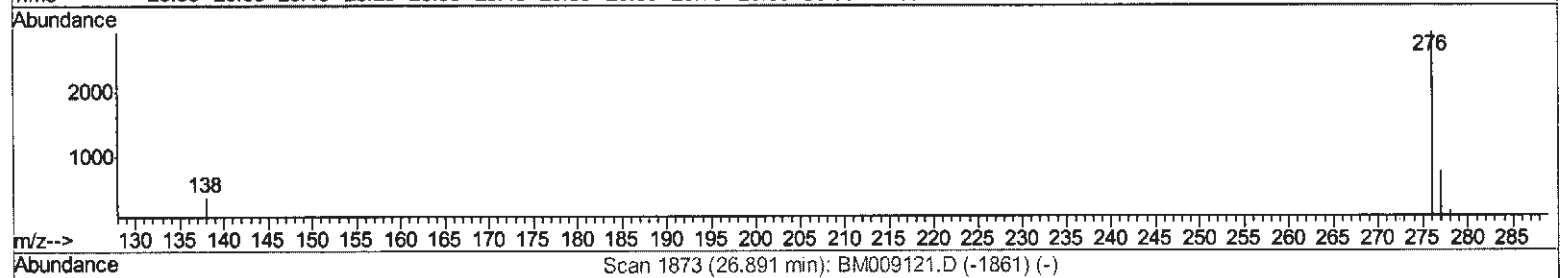
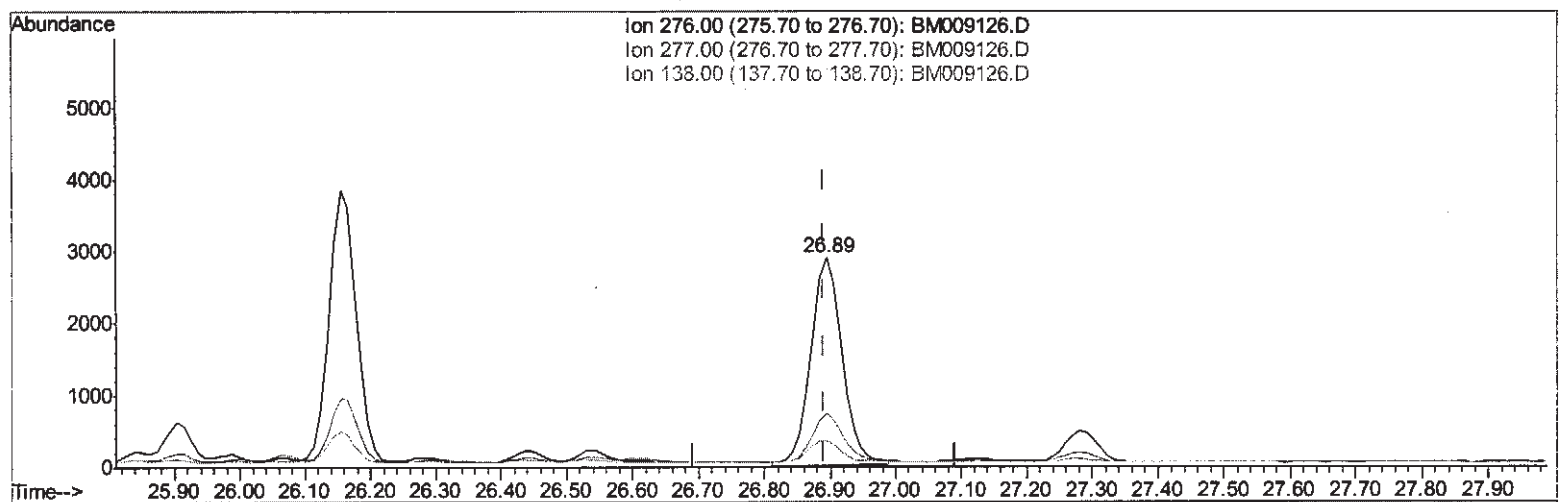
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009126.D
Acq On : 09 Mar 2017 03:23
Operator : SJ/MA
Sample : I2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK7

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:43:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



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

26.895min (+0.003) 1.73ng/ul m

response 9525

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	25.74
138.00	25.60	12.84#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009126.D
 Acq On : 09 Mar 2017 03:23
 Operator : SJ/MA
 Sample : I2062-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK7

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:58 PM

Quant Time: Mar 09 05:45:04 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 02:44:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	404	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	1326	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	857	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1893m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1919	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1436m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	534	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1538	0.26	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	2530	0.66	ng/ul	99
5) 2-Methylnaphthalene	12.34	142	2010	0.73	ng/ul	100
7) Acenaphthylene	14.25	152	1022	0.23	ng/ul#	86
8) Acenaphthene	14.57	153	211	0.06	ng/ul#	80
9) Fluorene	15.58	166	402	0.10	ng/ul#	92
12) Phenanthrene	17.31	178	8803m	1.48	ng/ul	92
13) Anthracene	17.40	178	2461	0.42	ng/ul	97
15) Fluoranthene	19.32	202	24884	3.21	ng/ul	94
17) Pyrene	19.69	202	23746	3.60	ng/ul	95
18) Benzo(a)anthracene	21.42	228	18407	2.89	ng/ul	96
19) Chrysene	21.47	228	19969	3.30	ng/ul	95
21) Benzo(b)fluoranthene	23.07	252	32450m	5.75	ng/ul	95
22) Benzo(k)fluoranthene	23.11	252	9205m	1.85	ng/ul	95
23) Benzo(a)pyrene	23.67	252	16889m	3.33	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	26.15	276	11115m	1.72	ng/ul	95
25) Dibenzo(a,h)anthracene	26.17	278	2974m	0.55	ng/ul	95
26) Benzo(g,h,i)perylene	26.89	276	9525m	1.73	ng/ul	95

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