

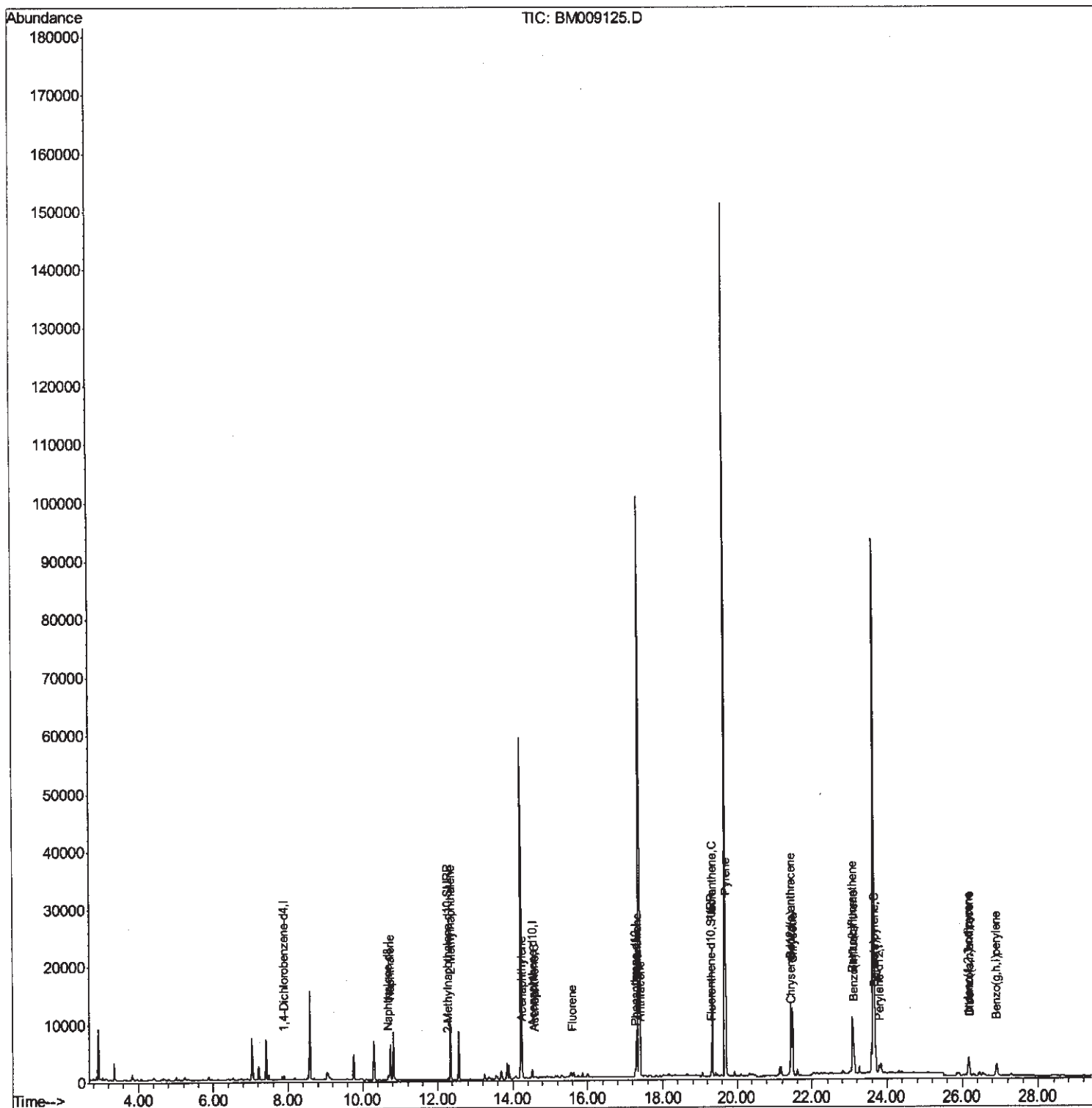
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:41:18 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



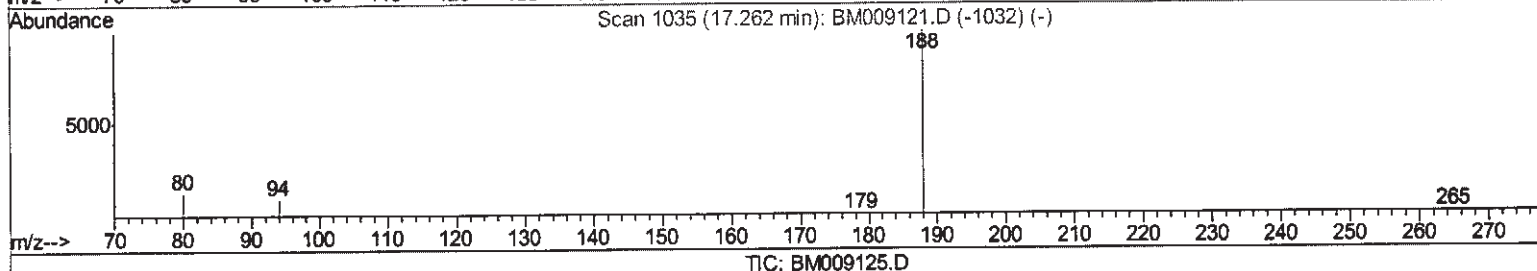
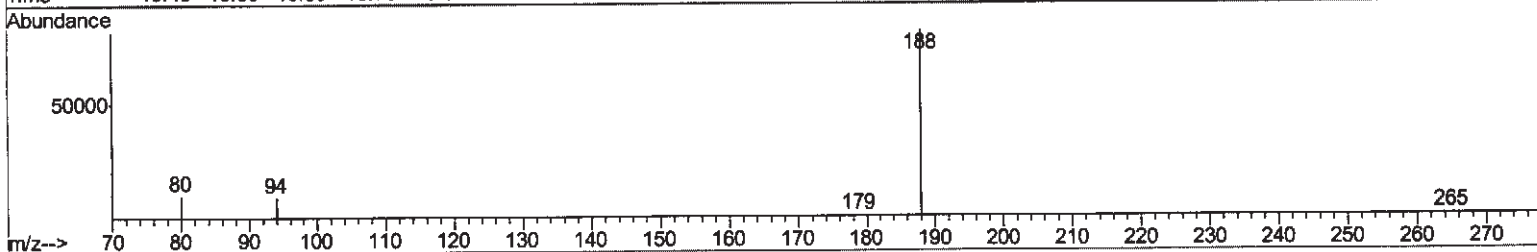
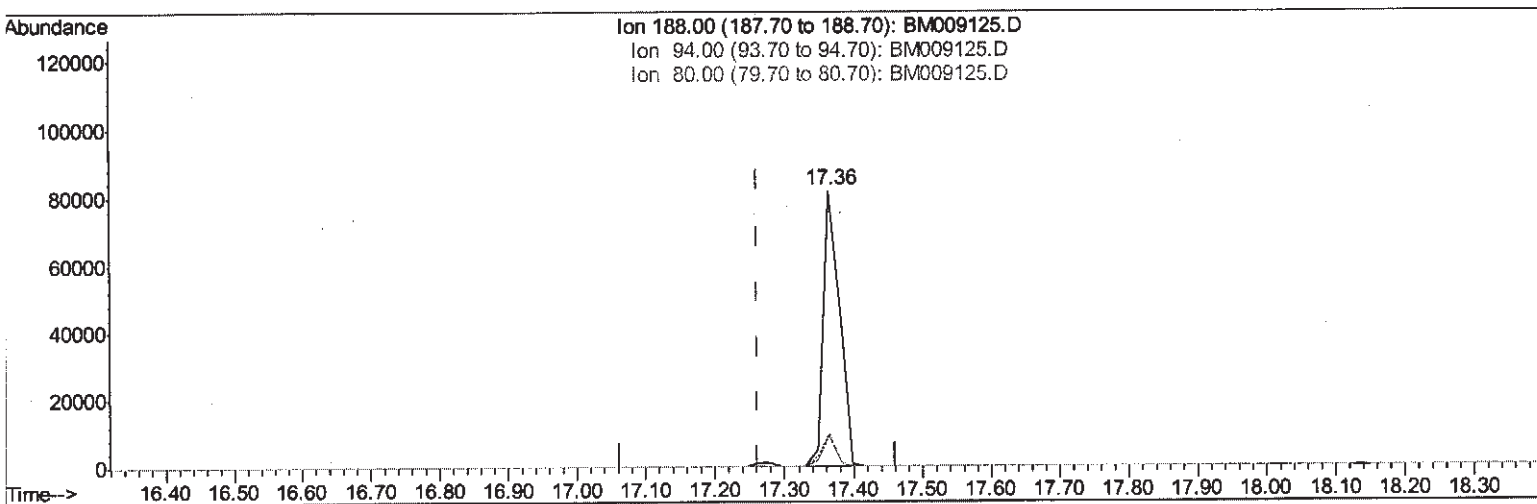
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 04:52:10 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: BM009125.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 133887

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.77
80.00	11.80	11.81
0.00	0.00	0.00

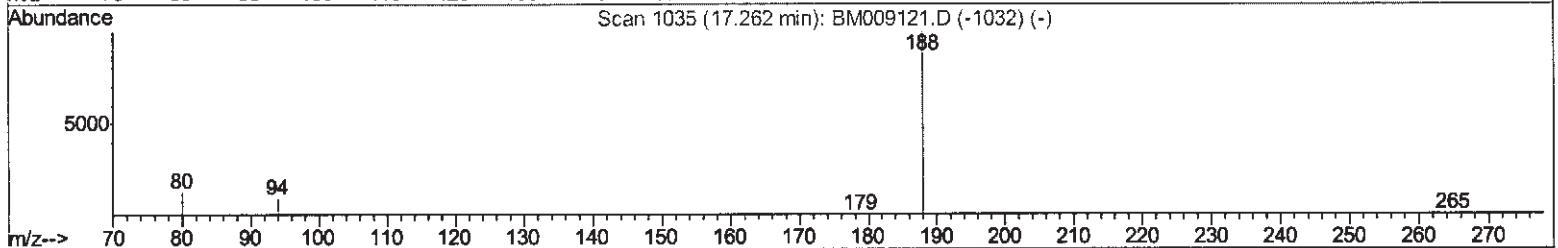
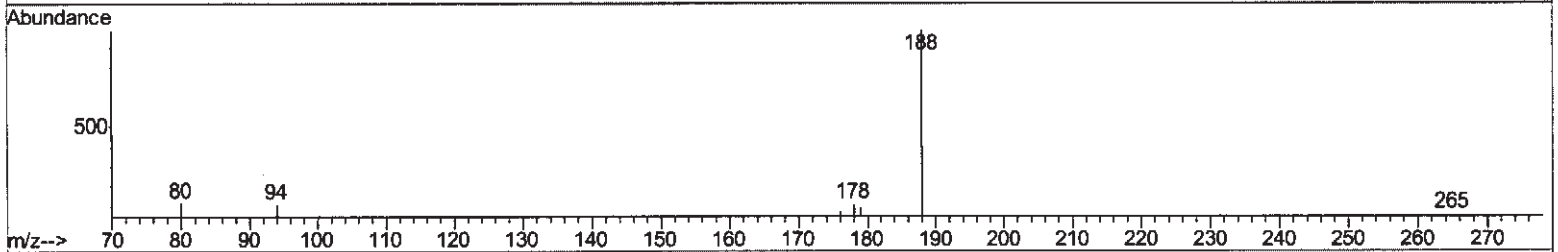
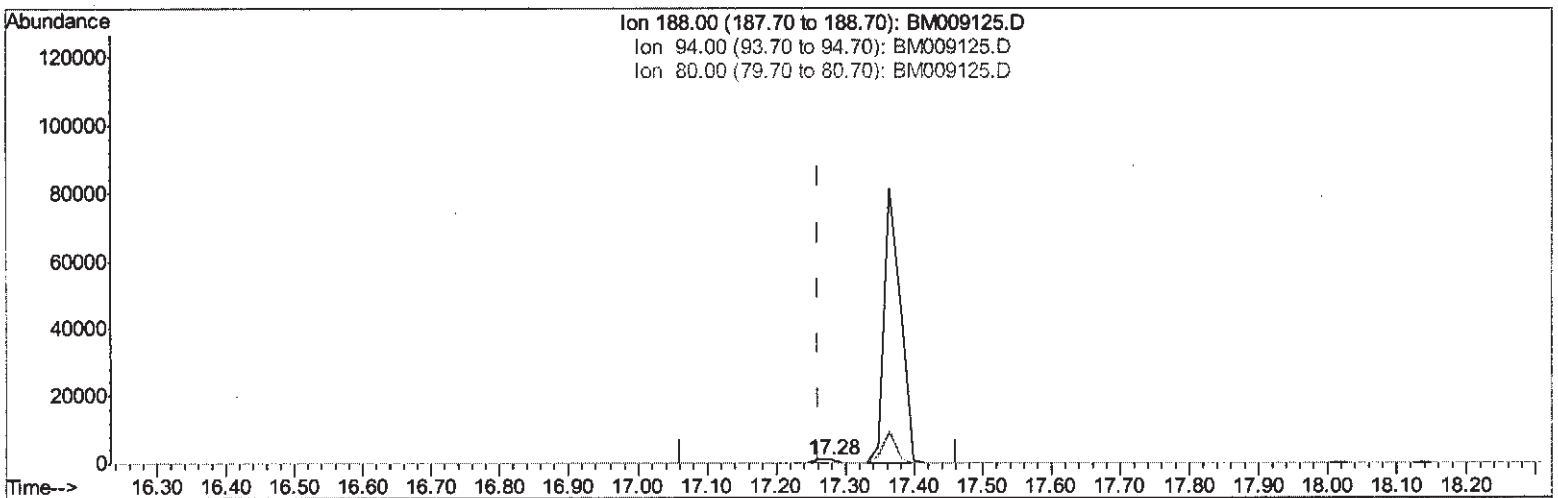
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 04:52:10 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: BM009125.D

(10) Phenanthrene-d10 (I)

17.279min (+0.017) 0.40ng/ul m

SJ 3/16/17

response 2058

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.87
80.00	11.80	11.69
0.00	0.00	0.00

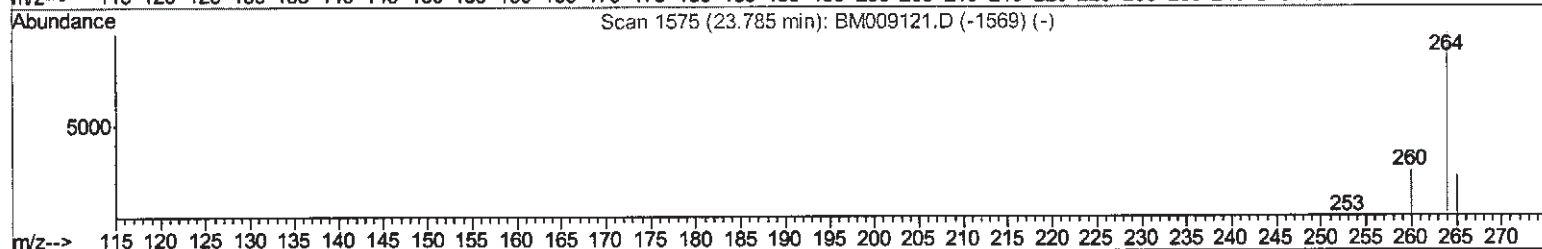
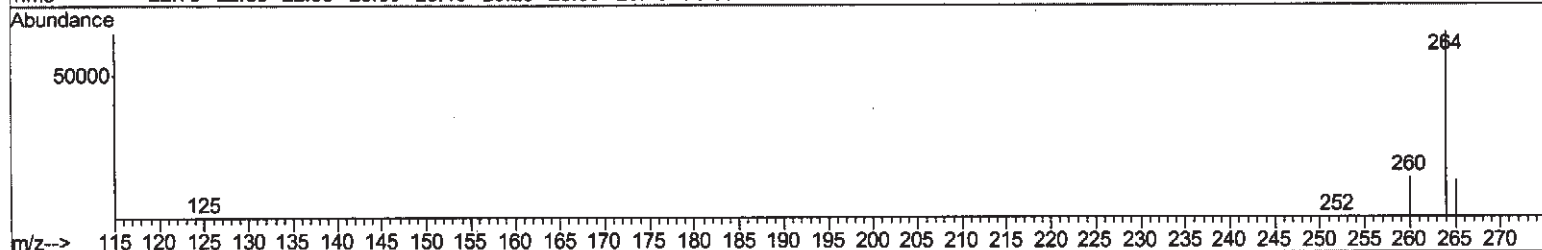
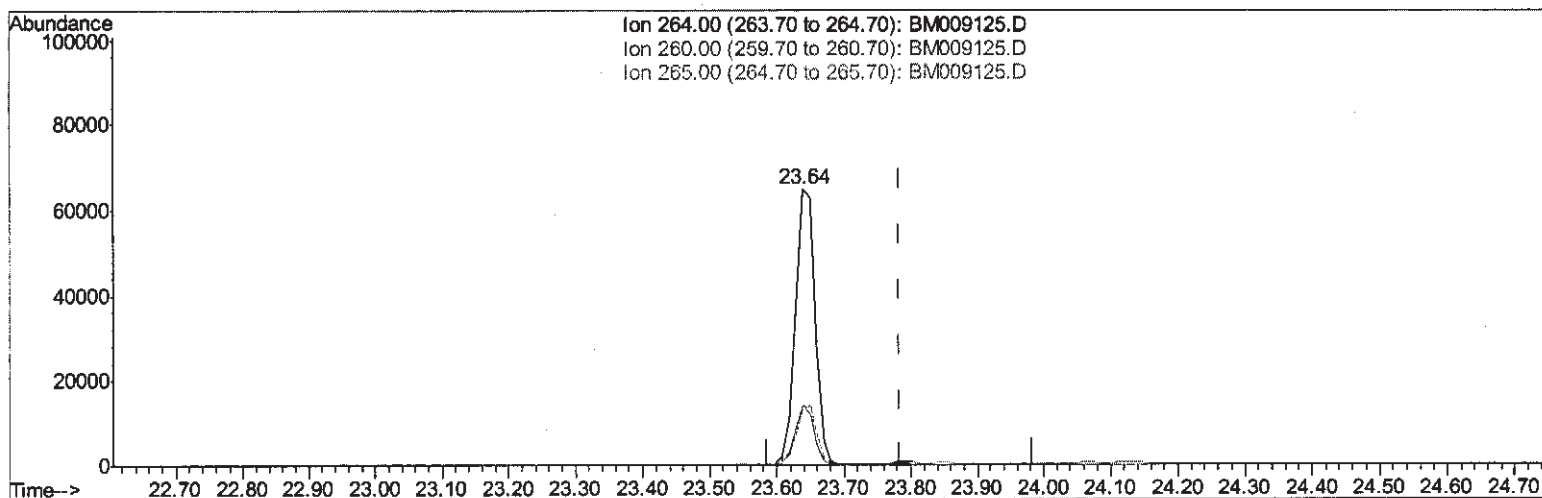
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 04:52:10 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: BM009125.D

(20) Perylene-d12 (I)

23.639min (-0.146) 0.40ng/ul

response 130124

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.78#
265.00	103.50	20.53#
0.00	0.00	0.00

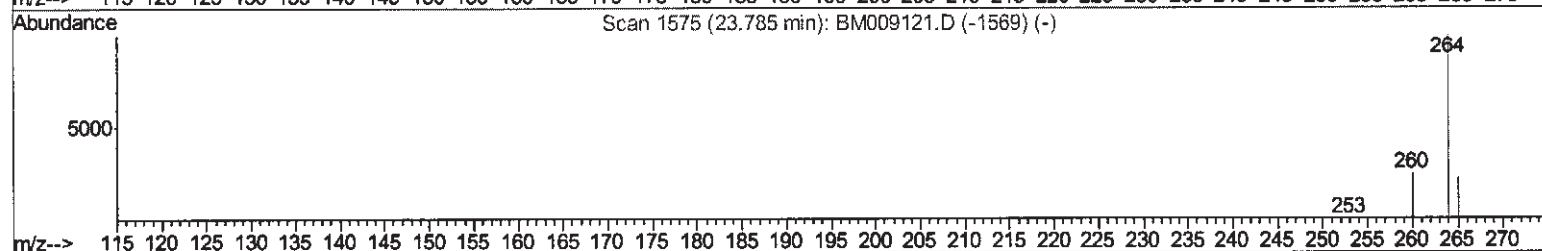
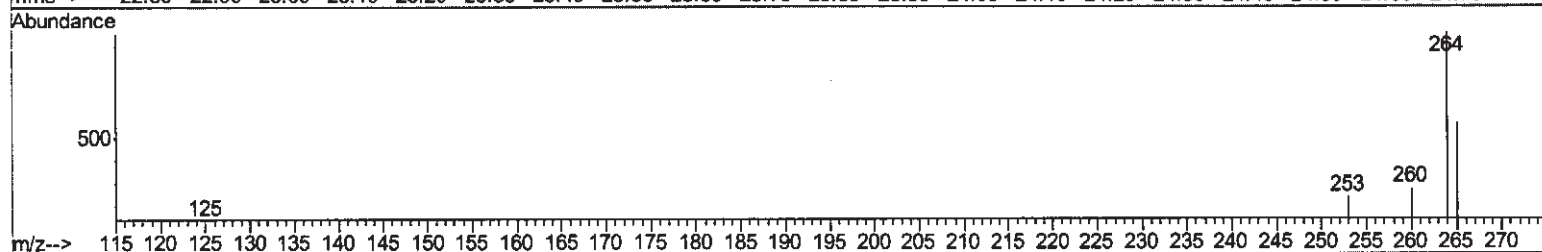
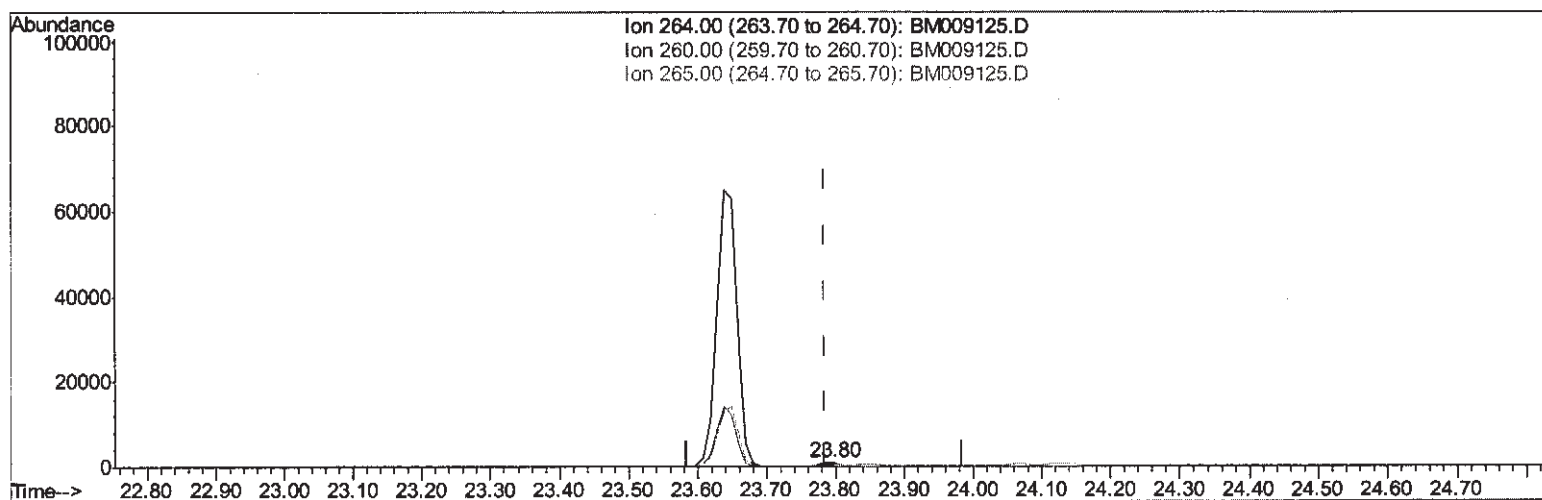
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 04:52:10 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: BM009125.D

(20) Perylene-d12 (I)

23.795min (+0.011) 0.40ng/ul m

SJ 3/16/17

response 1659

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.38
265.00	103.50	57.91#
0.00	0.00	0.00

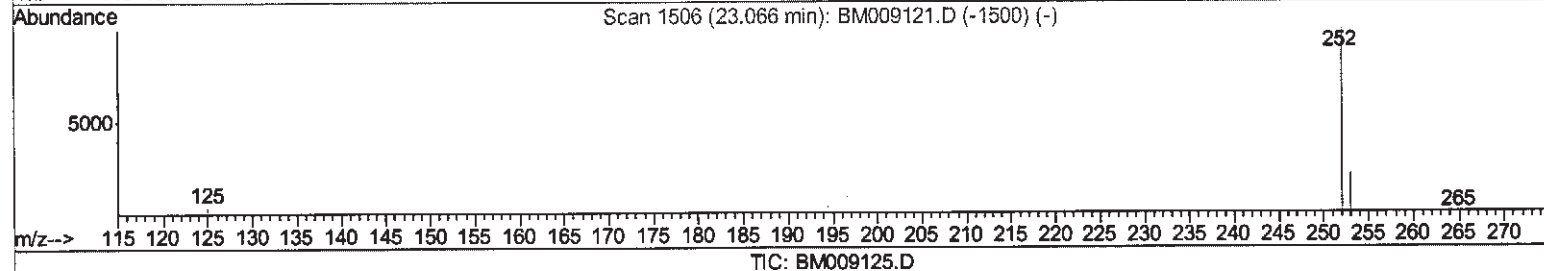
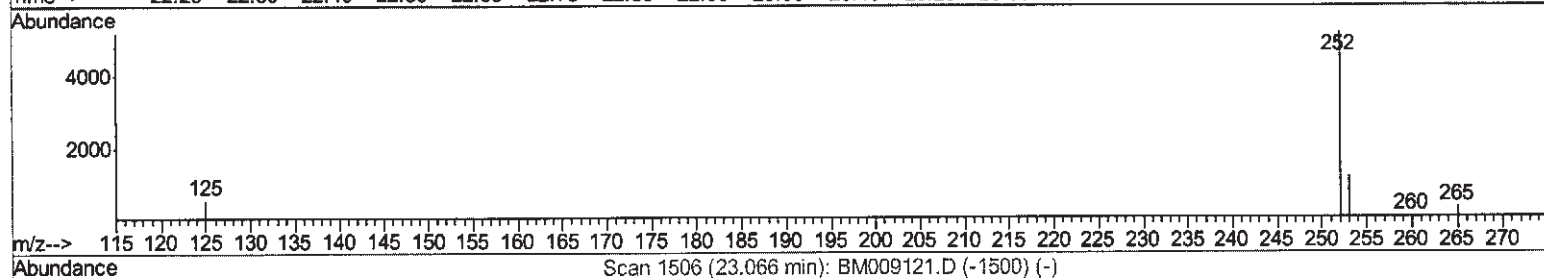
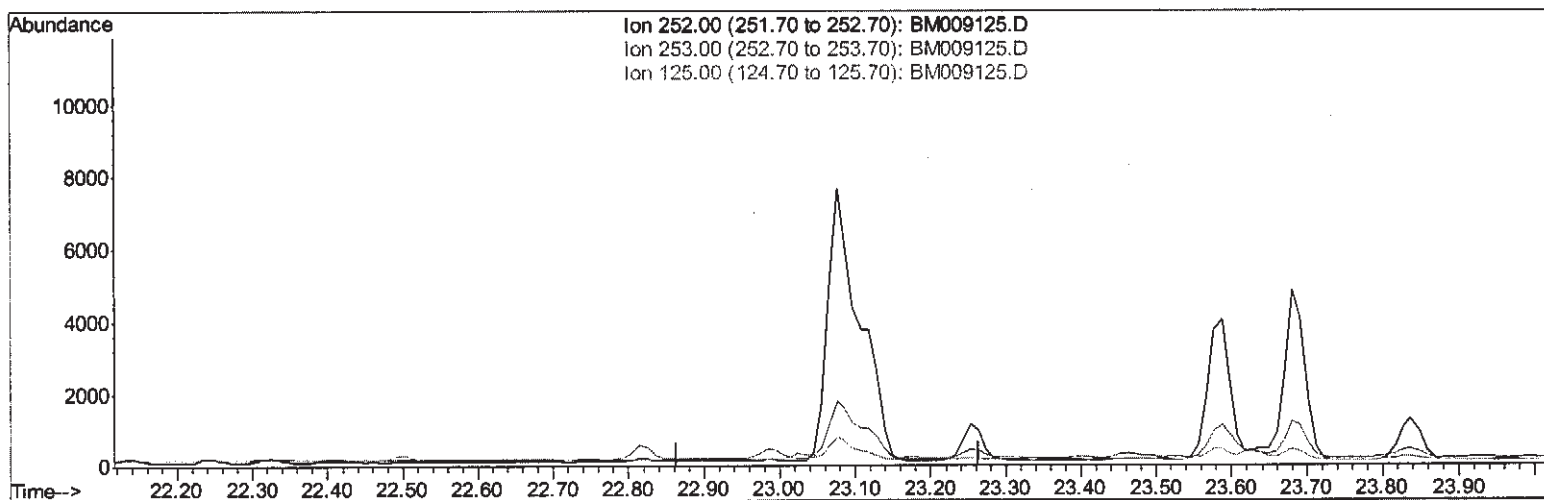
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

23.066min (-23.066) 0.00ng/ul

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

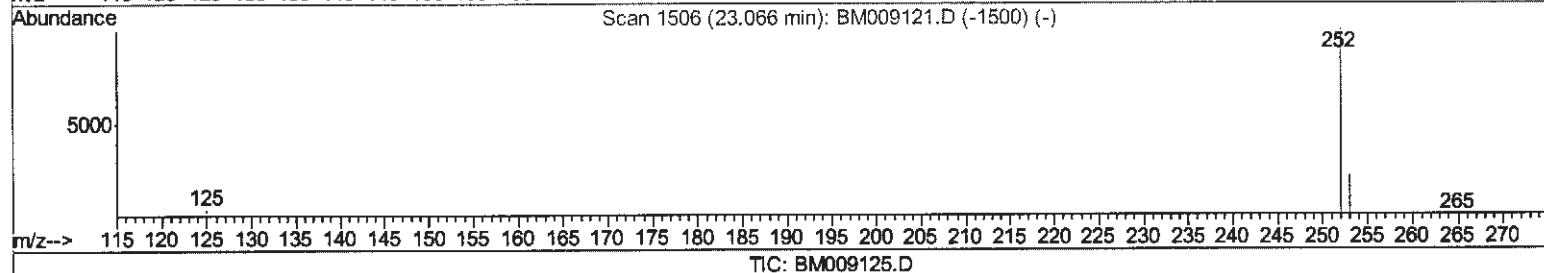
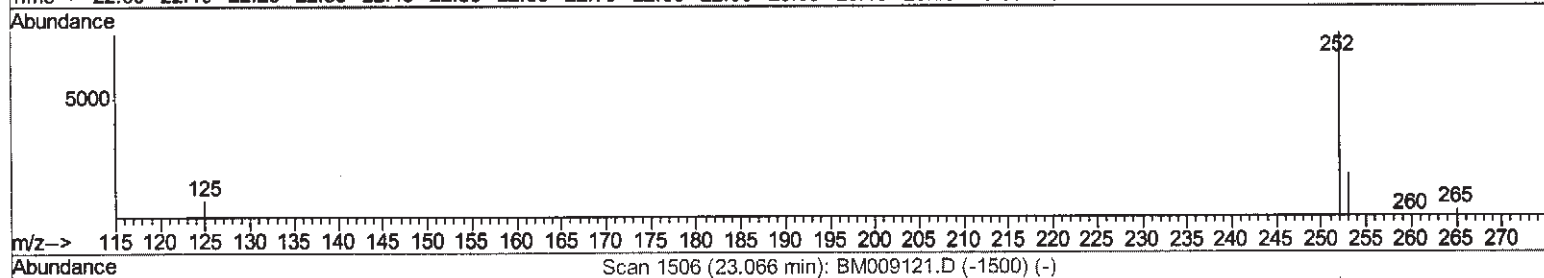
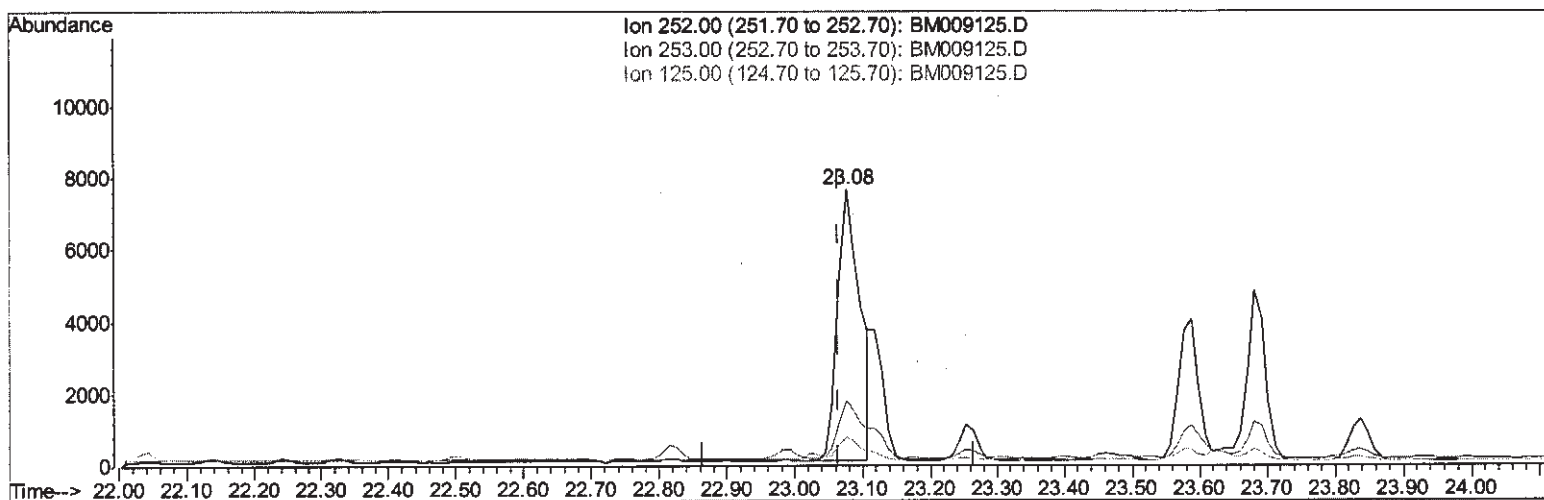
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

23.076min (+0.011) 2.69ng/ul m

SJ 3/16/17

response 17530

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.88
125.00	17.50	10.30
0.00	0.00	0.00

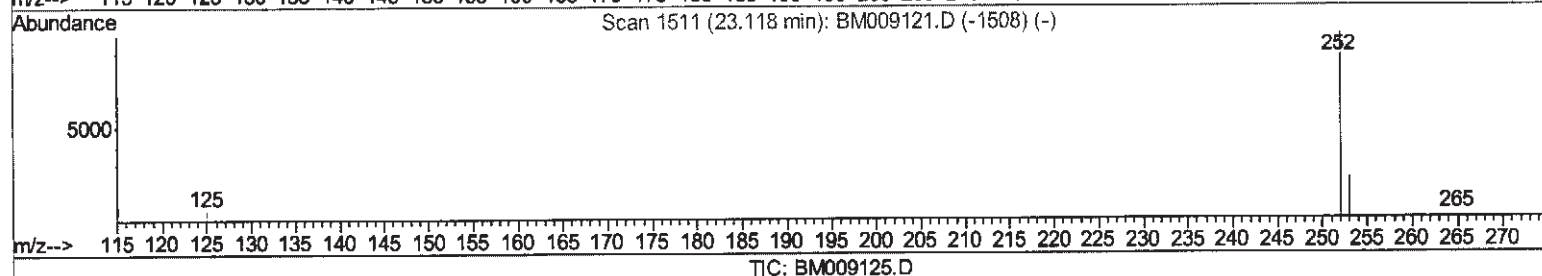
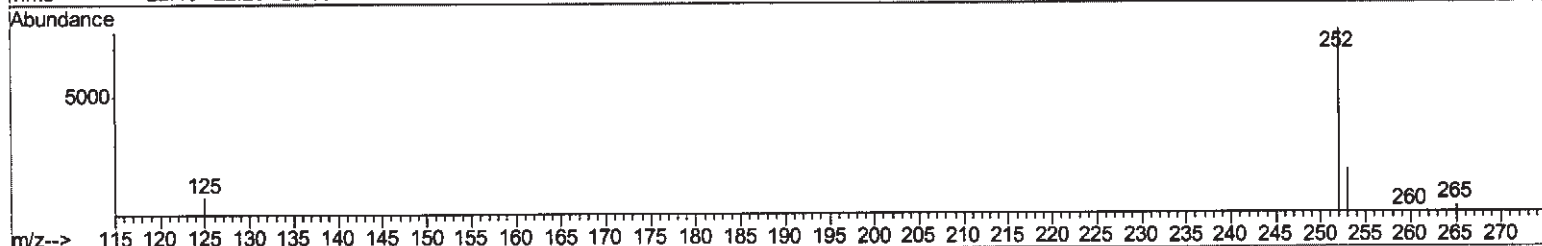
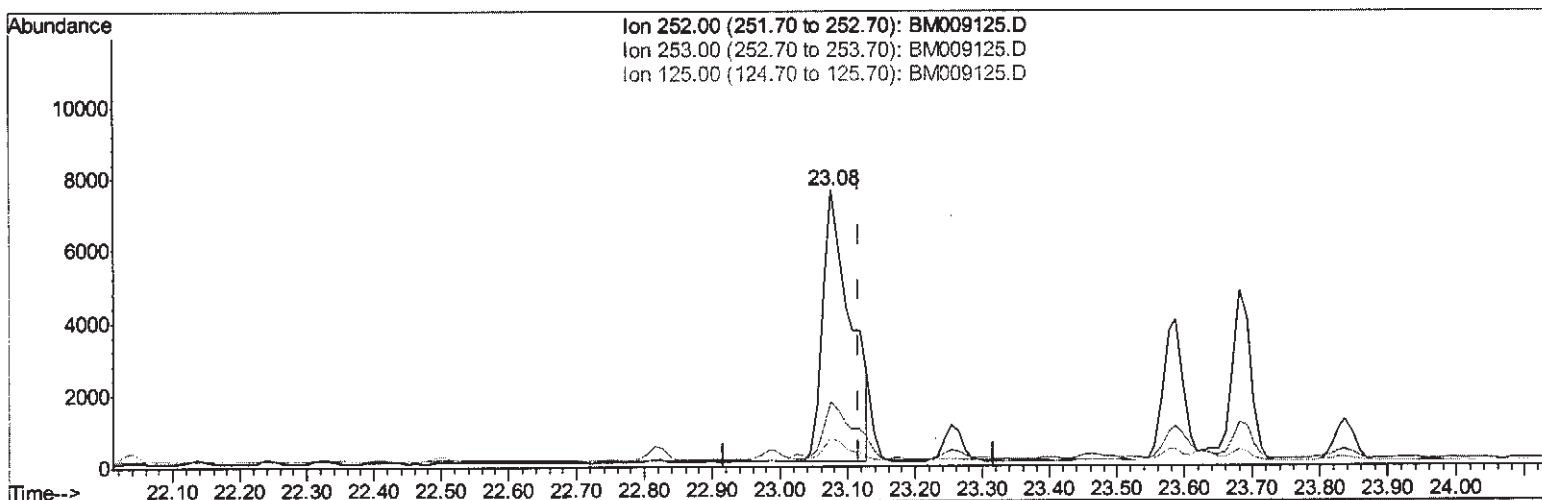
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

23.076min (-0.042) 3.73ng/ui

response 21507

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.88#
125.00	17.10	10.30#
0.00	0.00	0.00

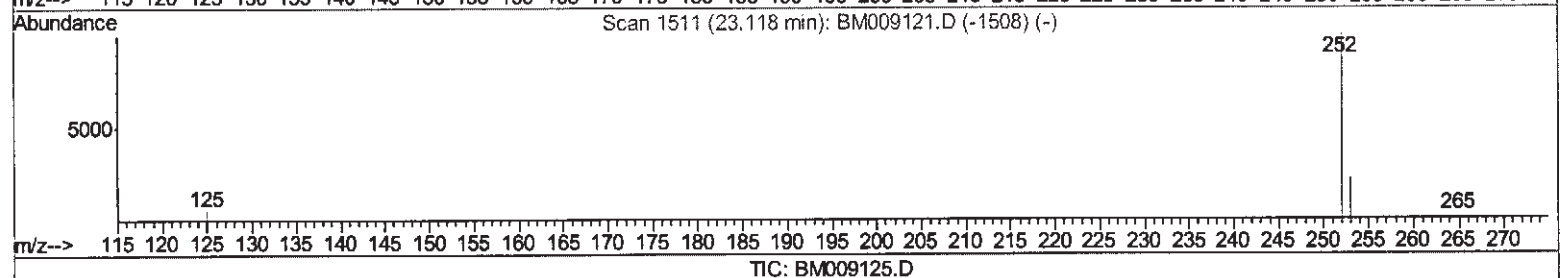
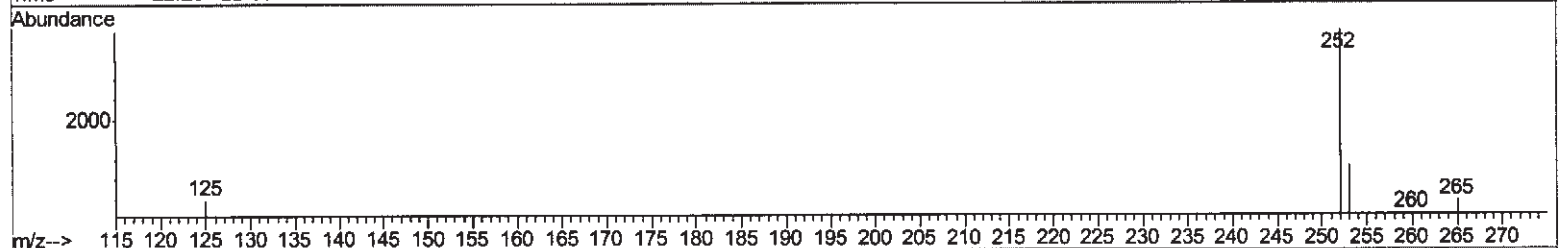
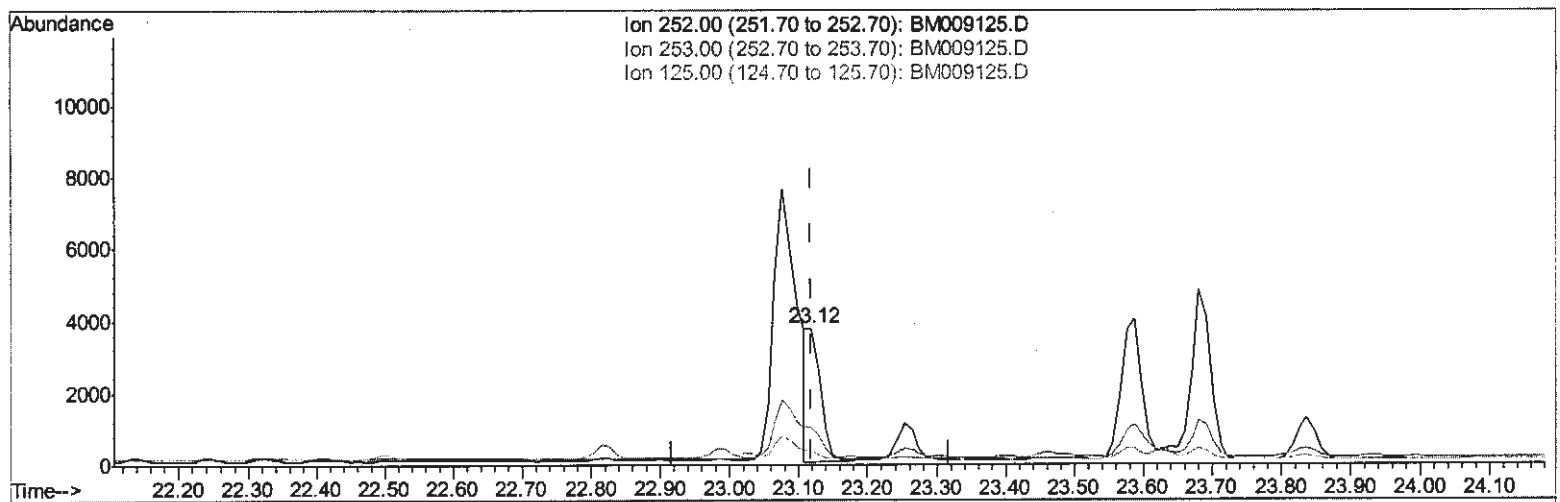
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

23.118min (+0.000) 0.80ng/ul m

SJ 3/16/17

response 4637

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.11
125.00	17.10	9.85#
0.00	0.00	0.00

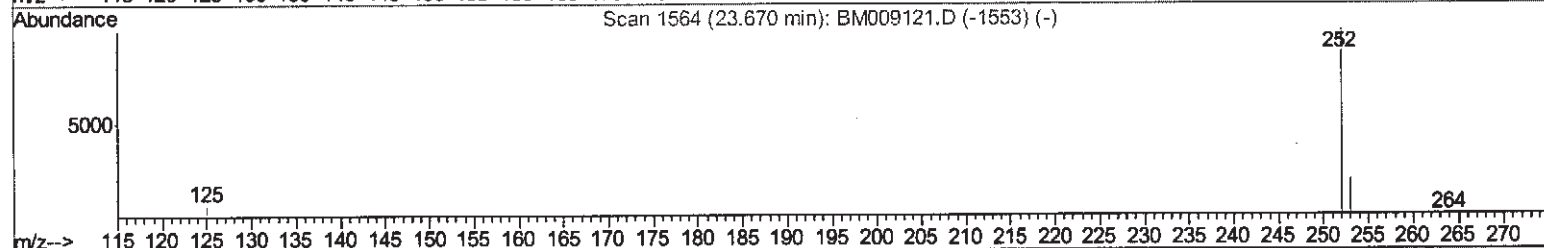
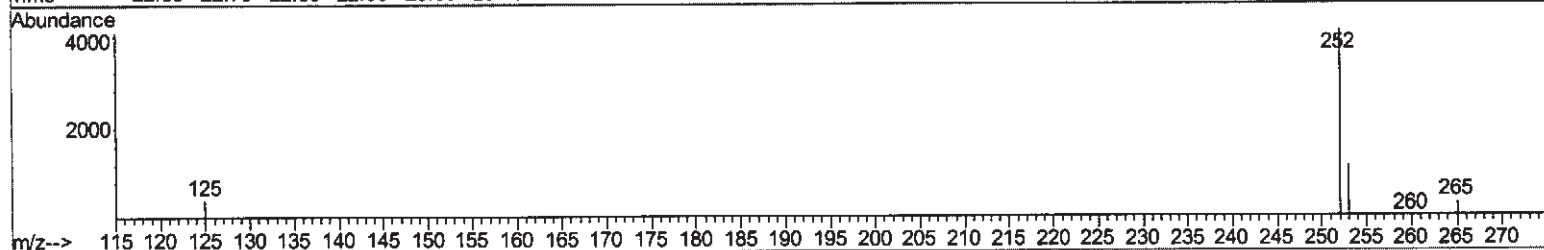
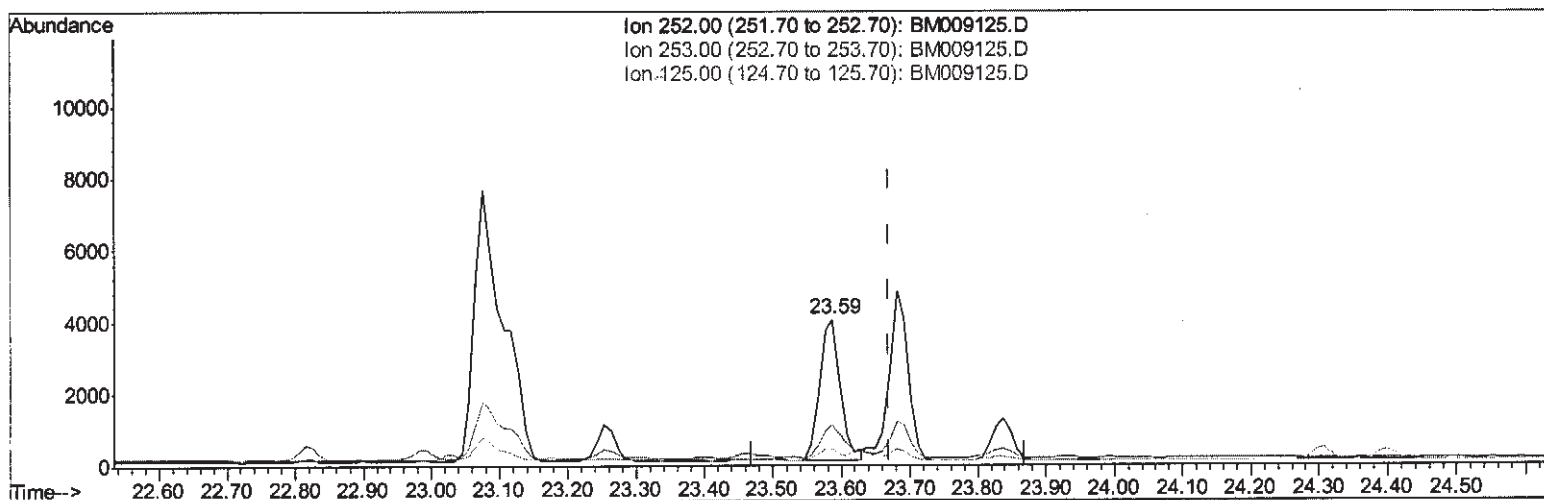
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

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3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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: BM009125.D

(23) Benzo(a)pyrene (C)

23.587min (-0.083) 1.40ng/ul

response 8218

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.79#
125.00	22.60	11.02#
0.00	0.00	0.00

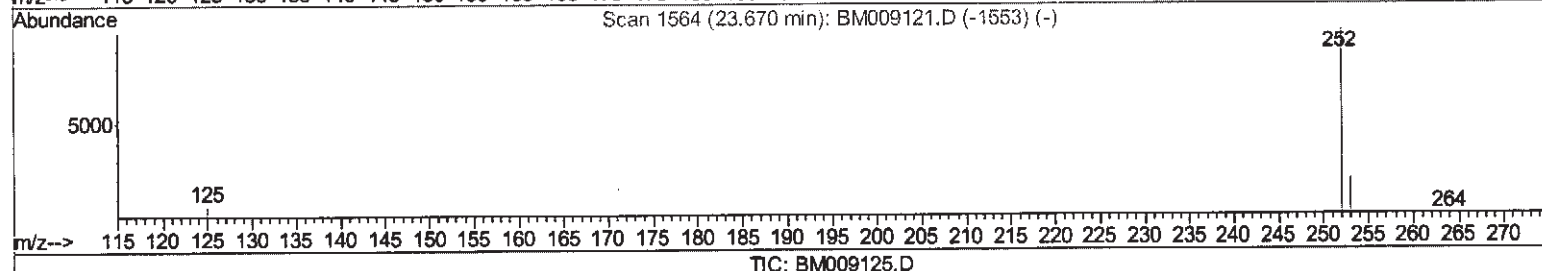
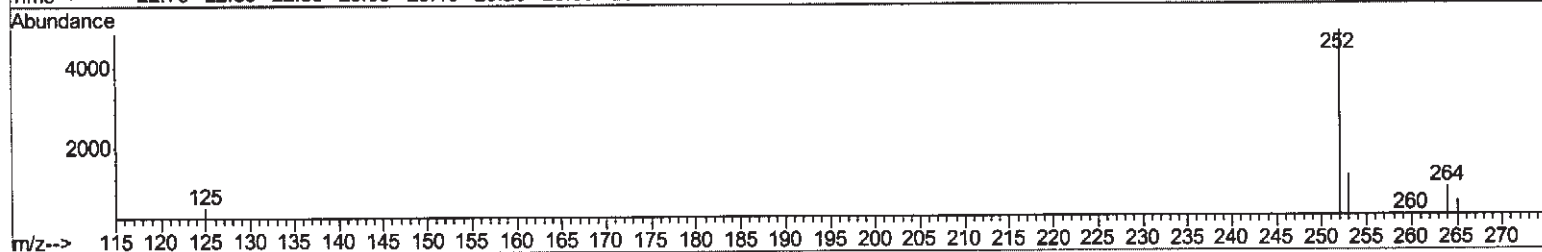
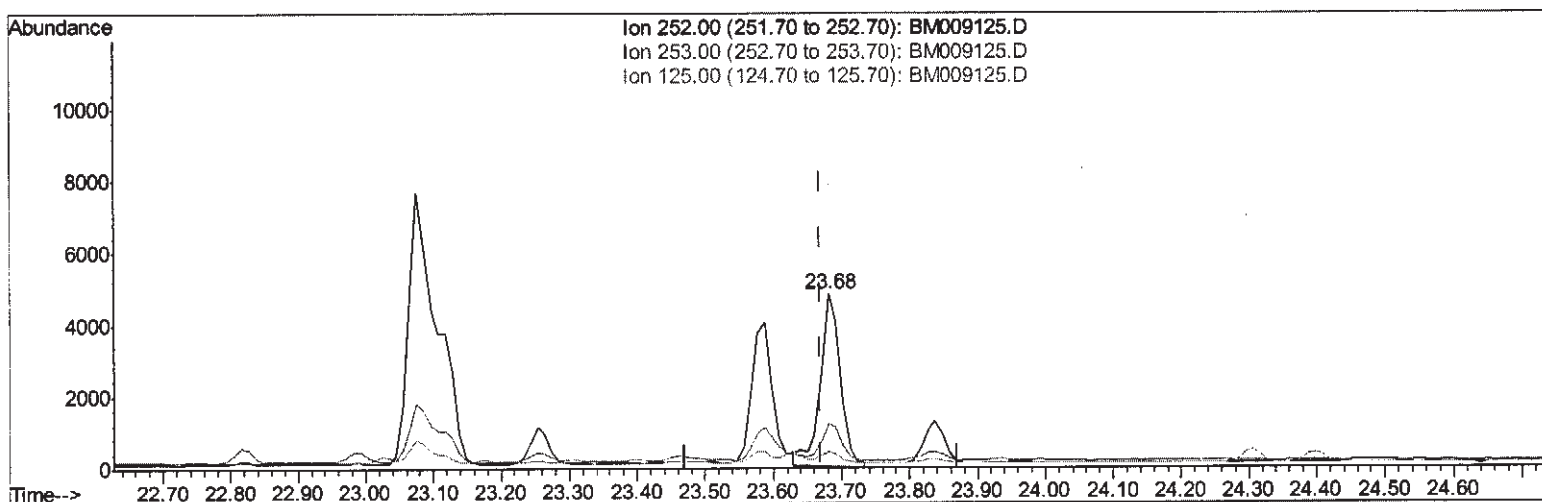
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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: BM009125.D

(23) Benzo(a)pyrene (C)

23.681min (+0.011) 1.66ng/ul m

SJ 3/16/17

response 9724

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.10#
125.00	22.60	9.39#
0.00	0.00	0.00

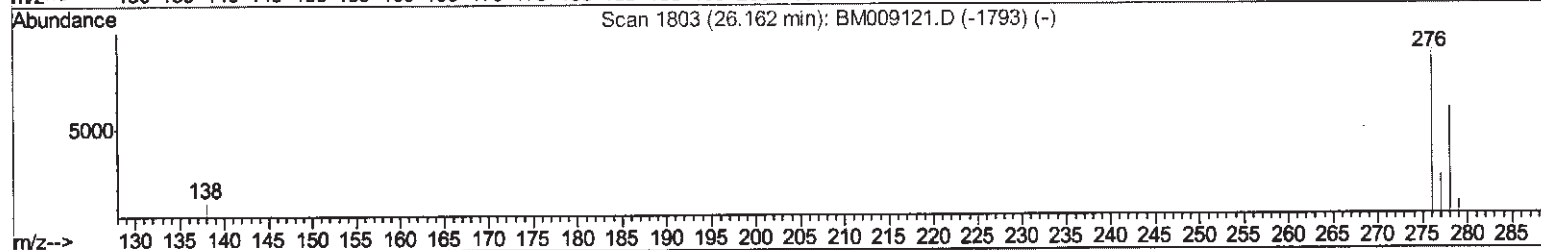
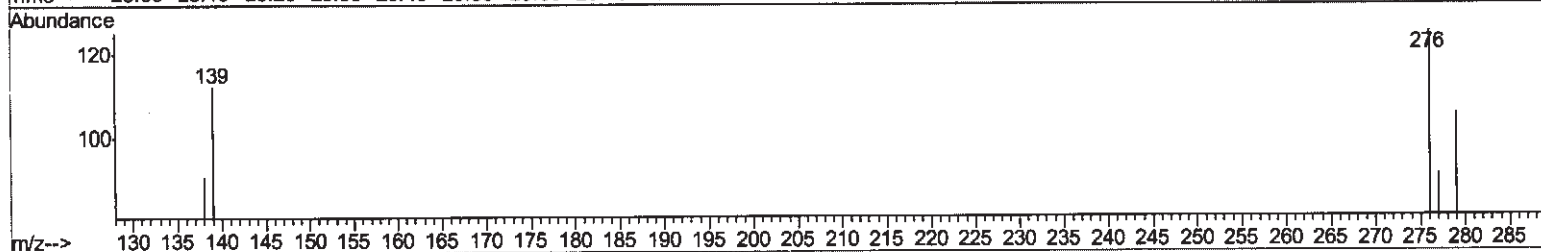
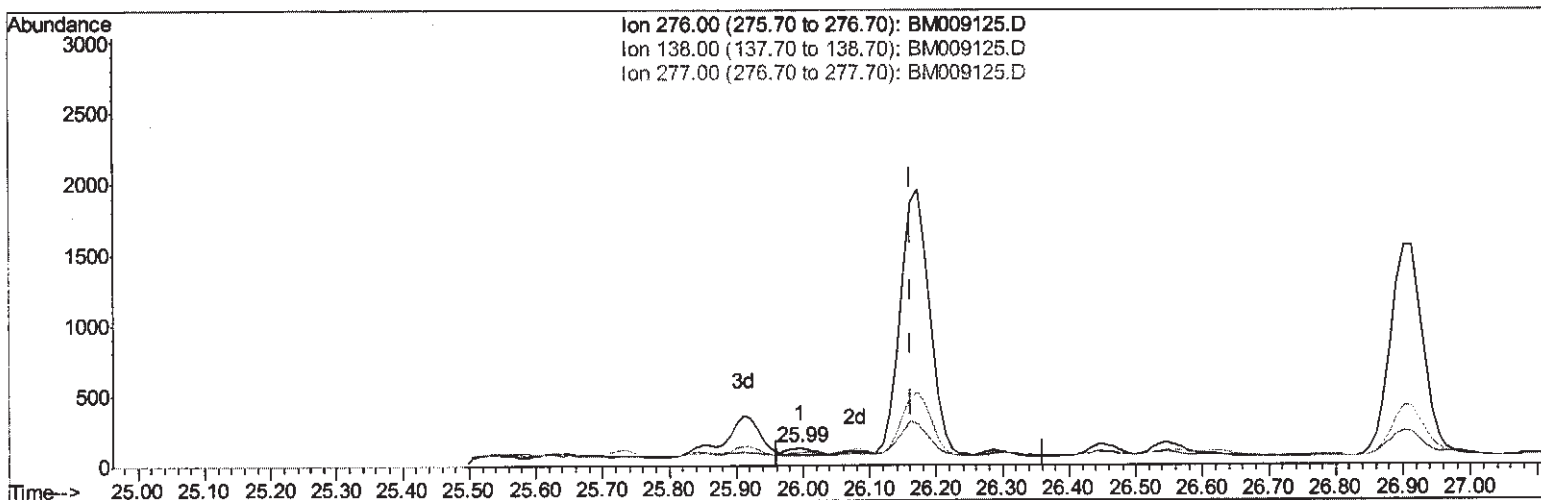
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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: BM009125.D

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

25.995min (-0.167) 0.02ng/ul

response 124

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

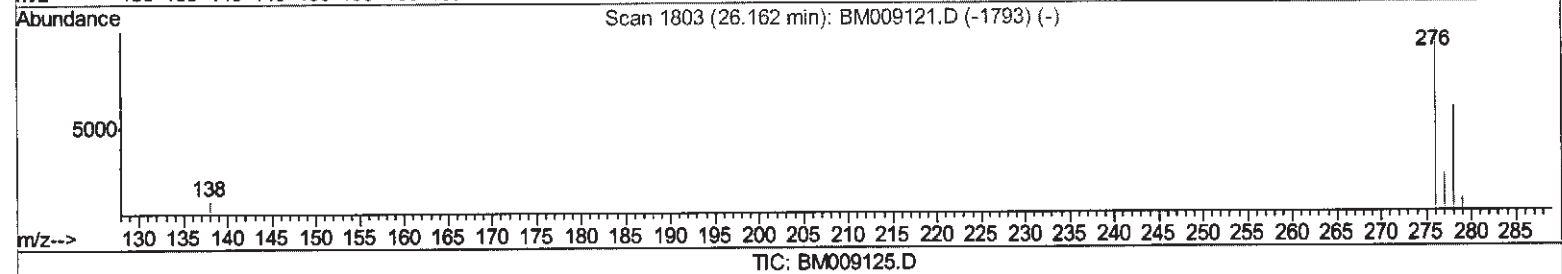
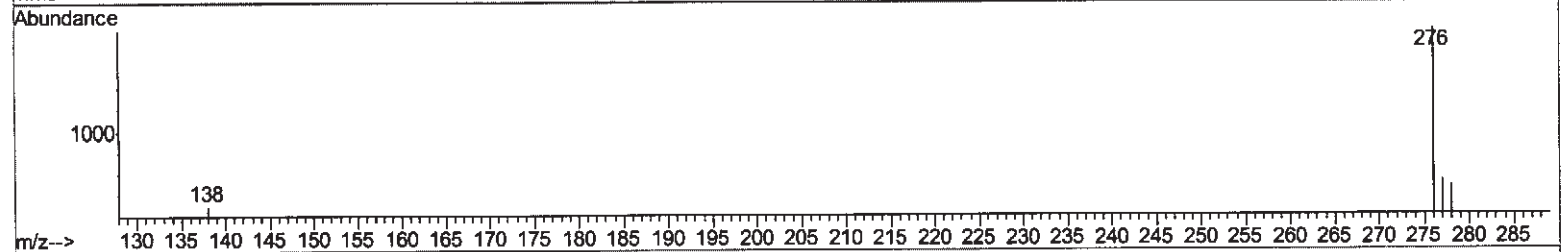
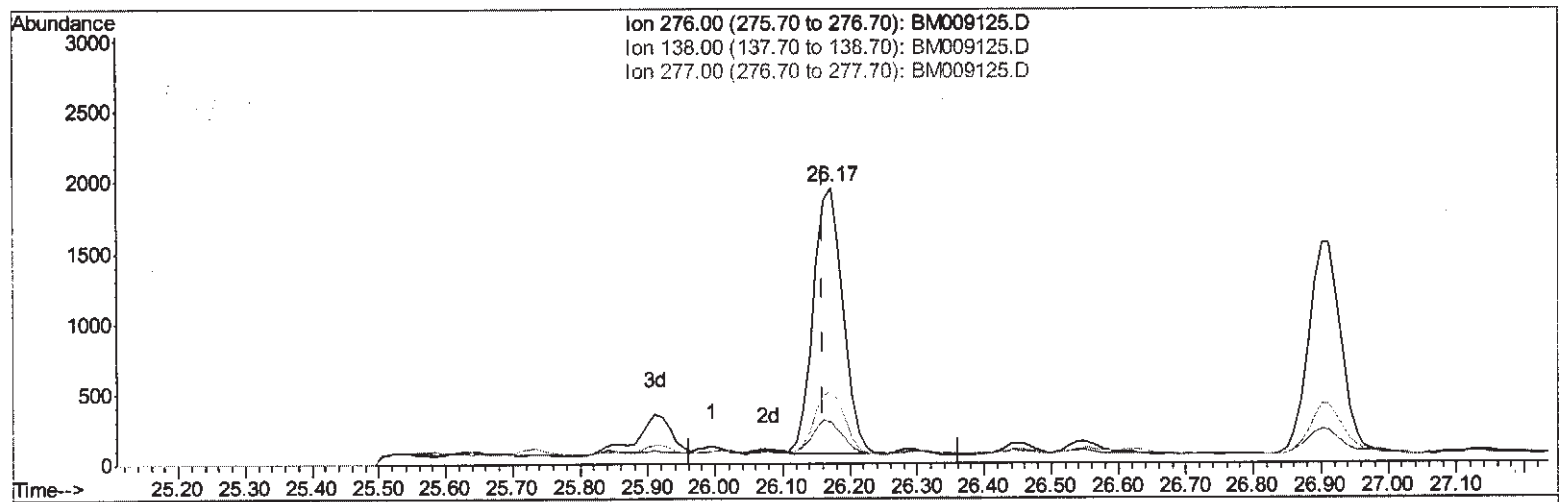
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

26.172min (+0.011) 0.77ng/ul m

57 3/16/17

response 5713

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

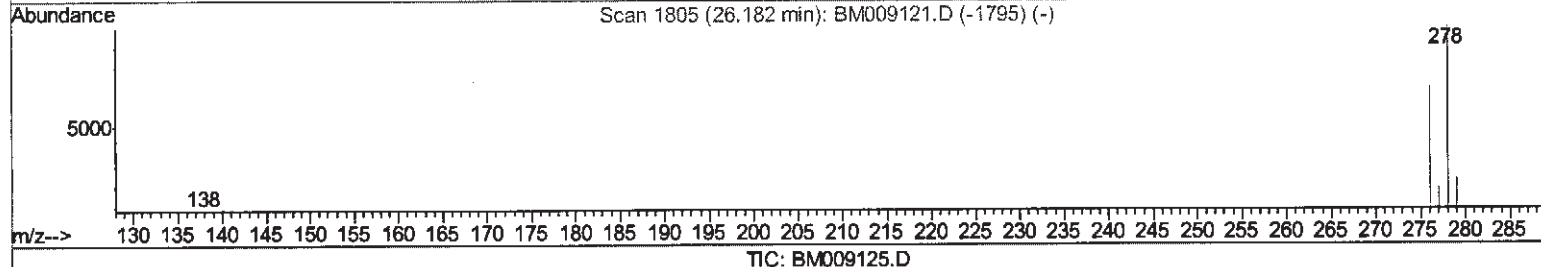
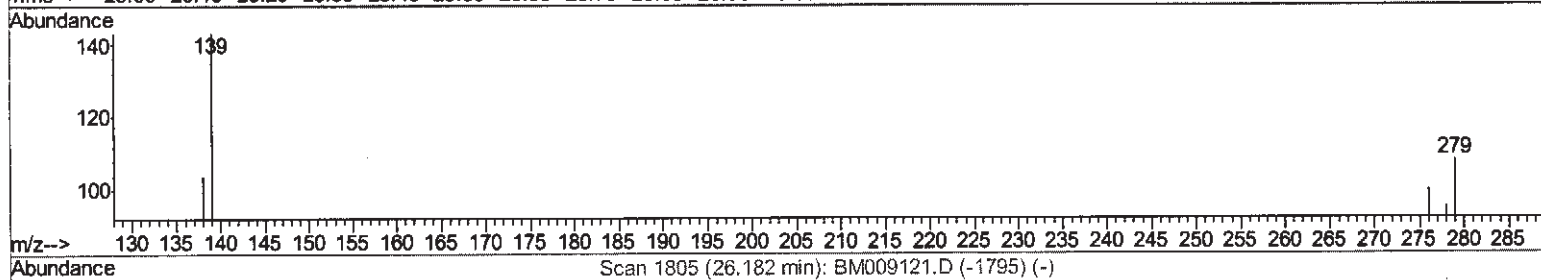
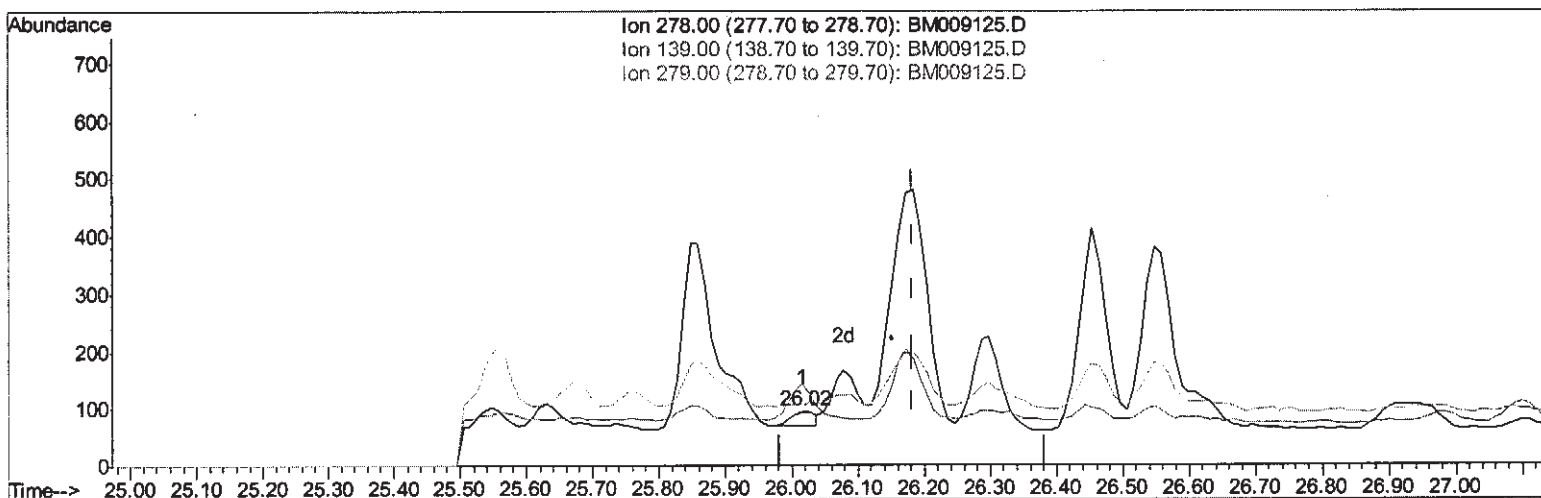
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

26.016min (-0.167) 0.01ng/ul

response 66

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	150.53#
279.00	32.40	113.68#
0.00	0.00	0.00

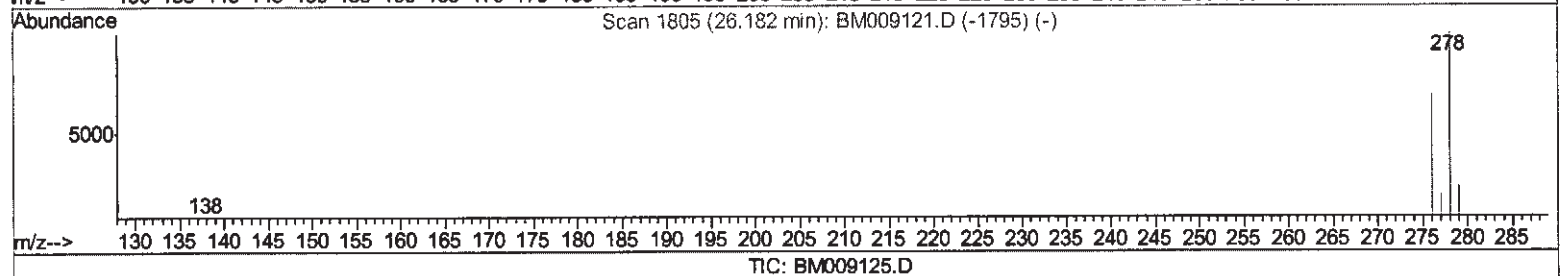
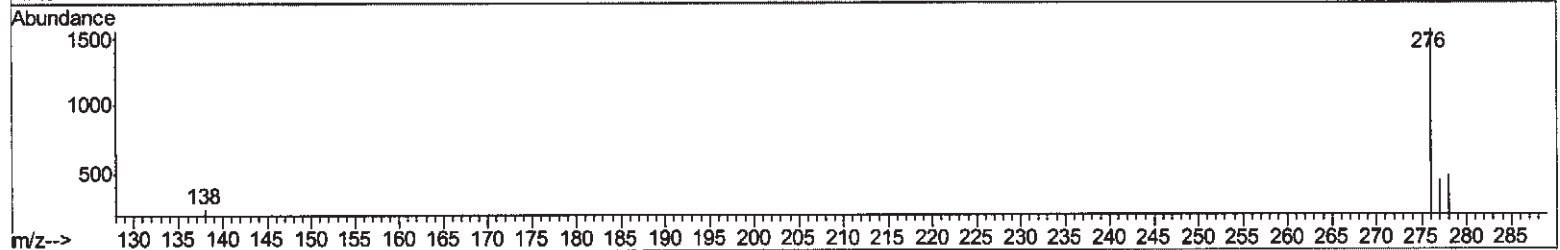
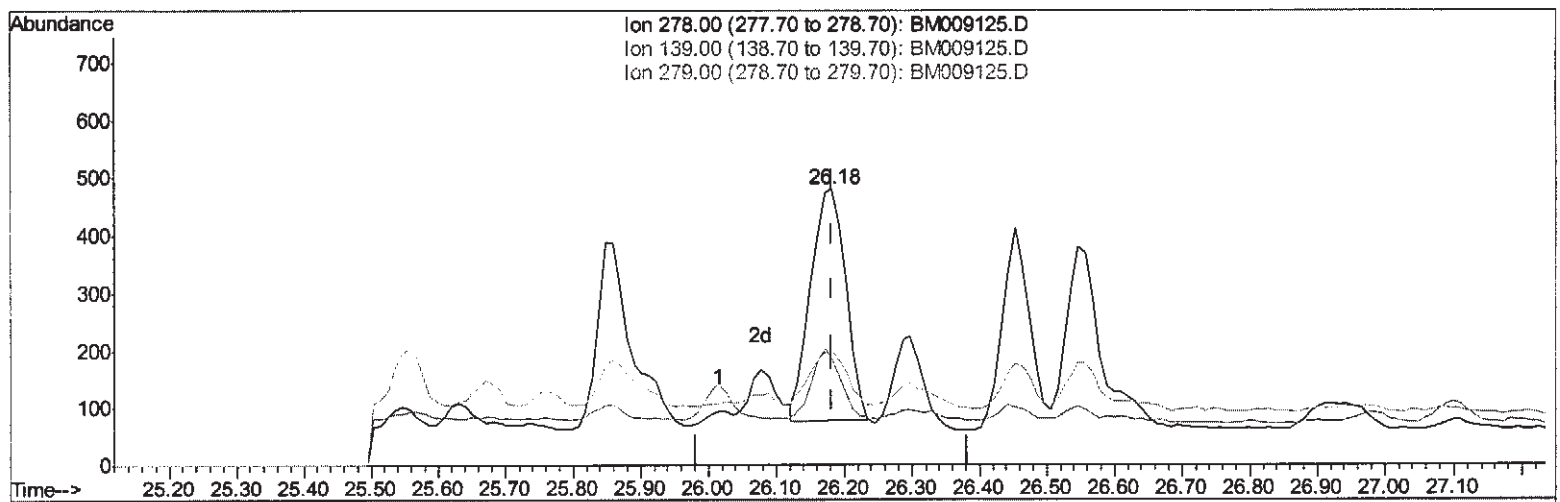
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

26.183min (+0.000) 0.23ng/ui m

SJ 3/16/17

response 1449

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	38.67#
279.00	32.40	41.37#
0.00	0.00	0.00

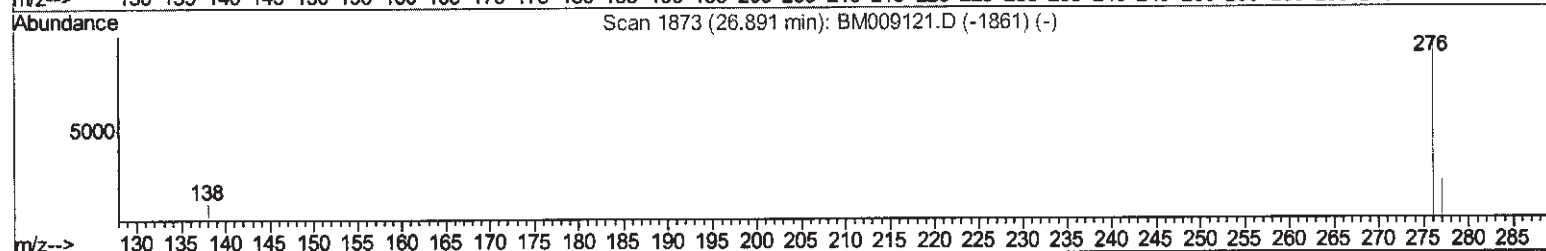
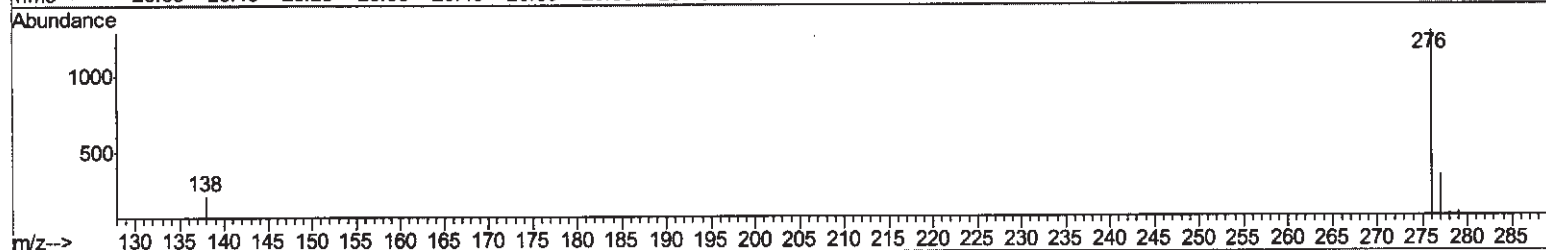
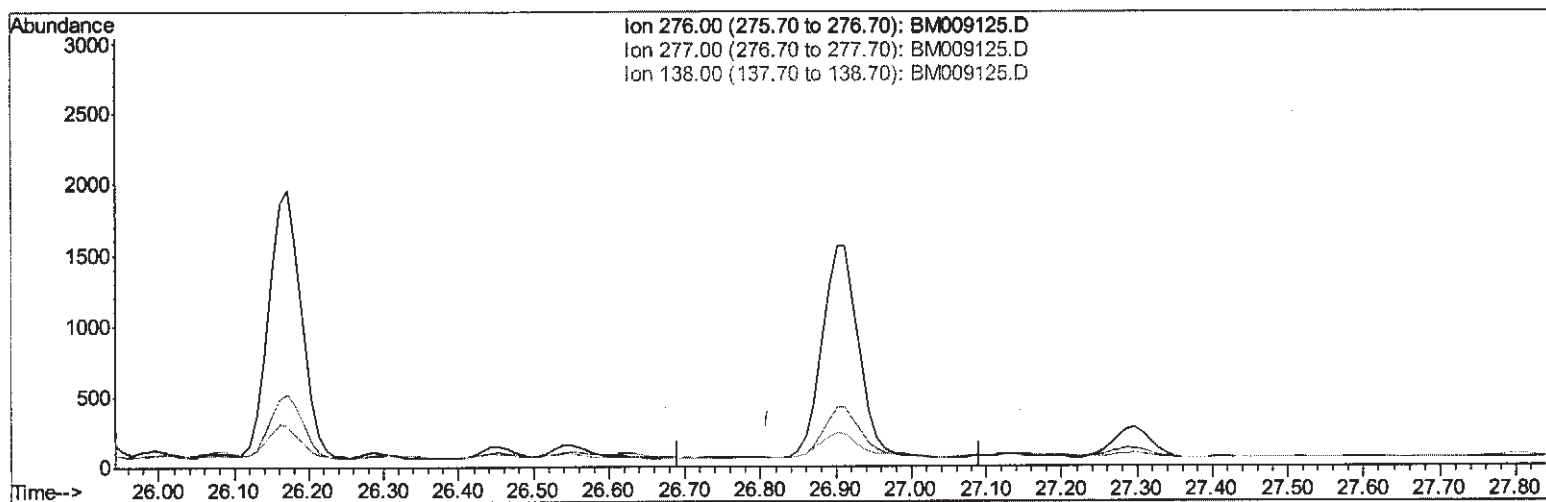
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

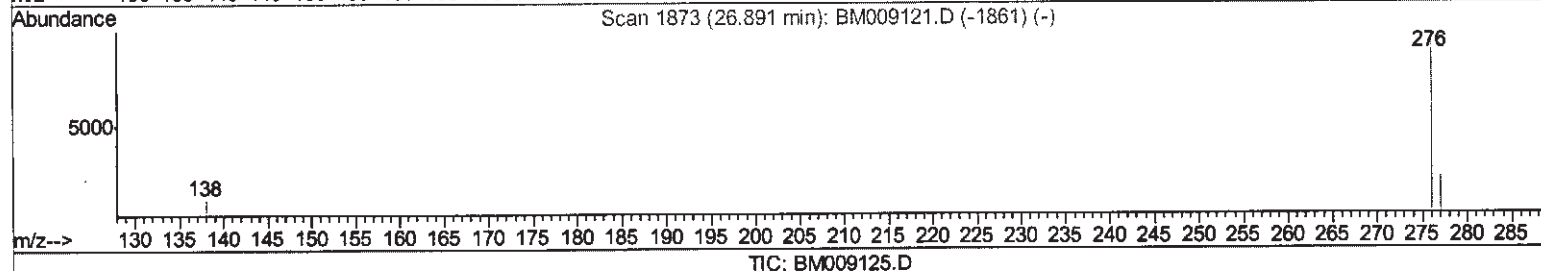
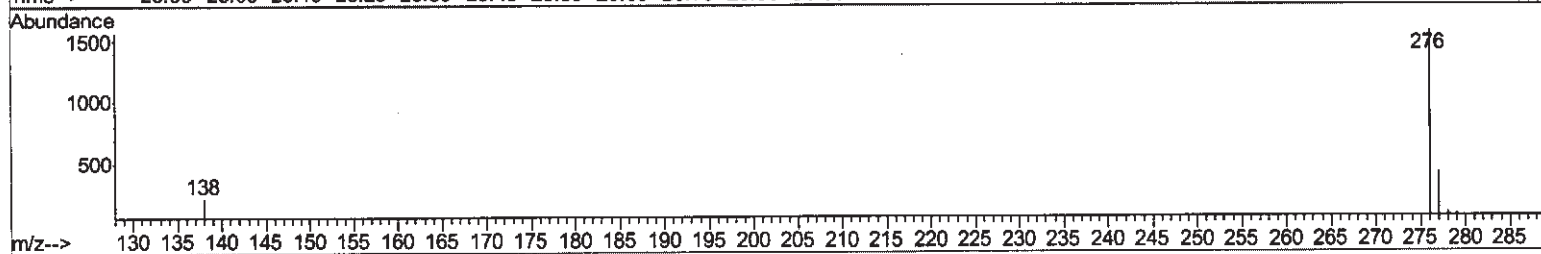
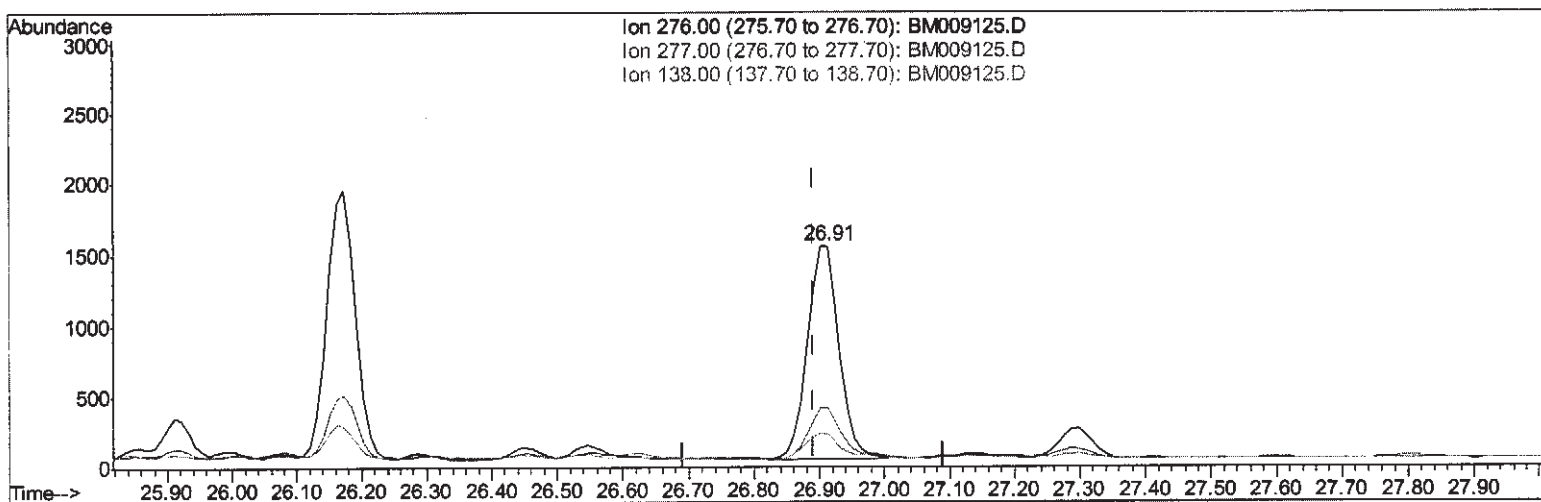
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009125.D
Acq On : 09 Mar 2017 02:48
Operator : SJ/MA
Sample : I2062-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK6

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:38:57 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

26.912min (+0.021) 0.80ng/ul m

response 5064

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	26.97
138.00	25.60	14.67#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009125.D
 Acq On : 09 Mar 2017 02:48
 Operator : SJ/MA
 Sample : I2062-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK6

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:53 PM

Quant Time: Mar 09 05:41:18 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	358	0.40	ng/ul	0.02
2) Naphthalene-d8	10.69	136	1248	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	805	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	2058m	0.40	ng/ul	0.02
16) Chrysene-d12	21.45	240	2354	0.40	ng/ul	0.00
20) Perylene-d12	23.80	264	1659m	0.40	ng/ul	0.01

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	531	0.26	ng/ul	0.01
14) Fluoranthene-d10	19.30	212	1857	0.29	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.74	128	8261	2.30	ng/ul	95
5) 2-Methylnaphthalene	12.35	142	7108	2.75	ng/ul	100
7) Acenaphthylene	14.25	152	631	0.15	ng/ul#	66
8) Acenaphthene	14.59	153	289	0.09	ng/ul#	85
9) Fluorene	15.58	166	289	0.08	ng/ul#	82
12) Phenanthrene	17.31	178	9350	1.45	ng/ul	96
13) Anthracene	17.40	178	1313	0.21	ng/ul#	93
15) Fluoranthene	19.33	202	17996	2.14	ng/ul	93
17) Pyrene	19.69	202	18586	2.30	ng/ul	97
18) Benzo(a)anthracene	21.43	228	11039	1.41	ng/ul	100
19) Chrysene	21.48	228	11658	1.57	ng/ul	97
21) Benzo(b)fluoranthene	23.08	252	17530m	2.69	ng/ul	
22) Benzo(k)fluoranthene	23.12	252	4637m	0.80	ng/ul	
23) Benzo(a)pyrene	23.68	252	9724m	1.66	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.17	276	5713m	0.77	ng/ul	
25) Dibenzo(a,h)anthracene	26.18	278	1449m	0.23	ng/ul	
26) Benzo(g,h,i)perylene	26.91	276	5064m	0.80	ng/ul	

} SJ 3/16/17

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