

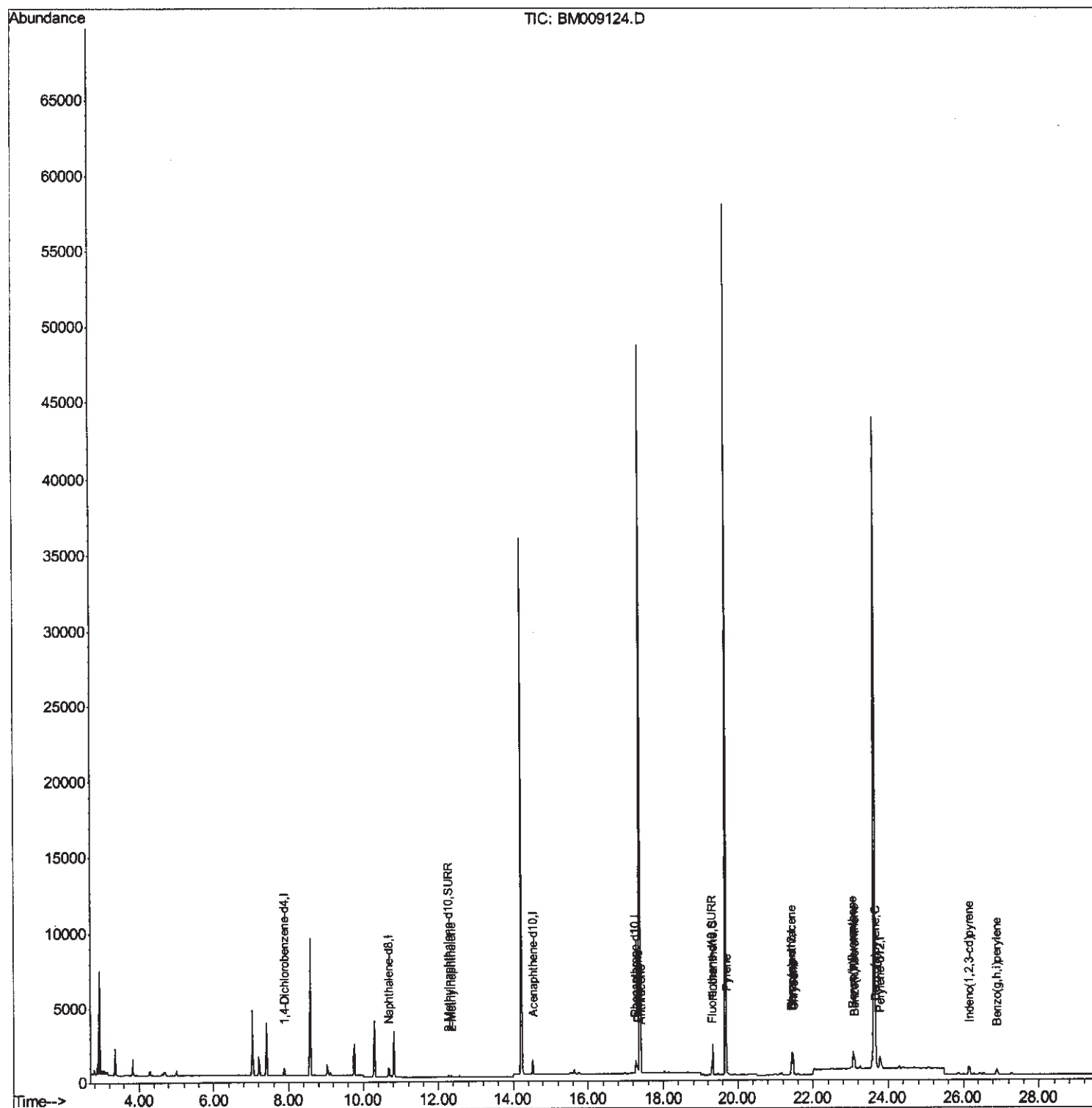
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:02:25 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



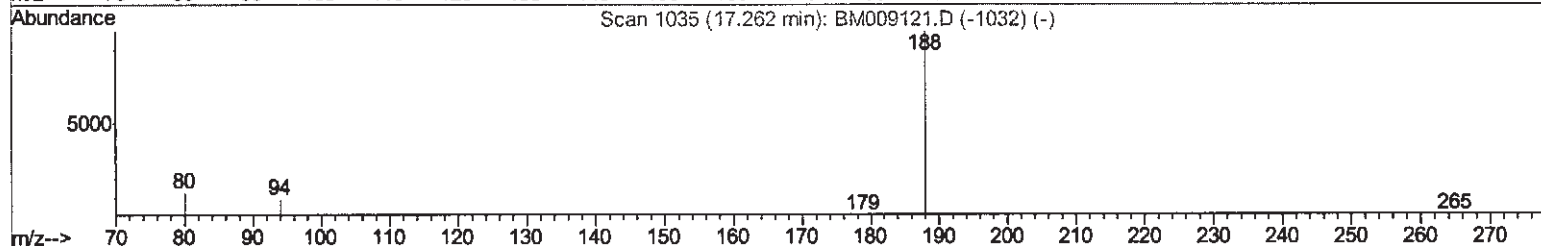
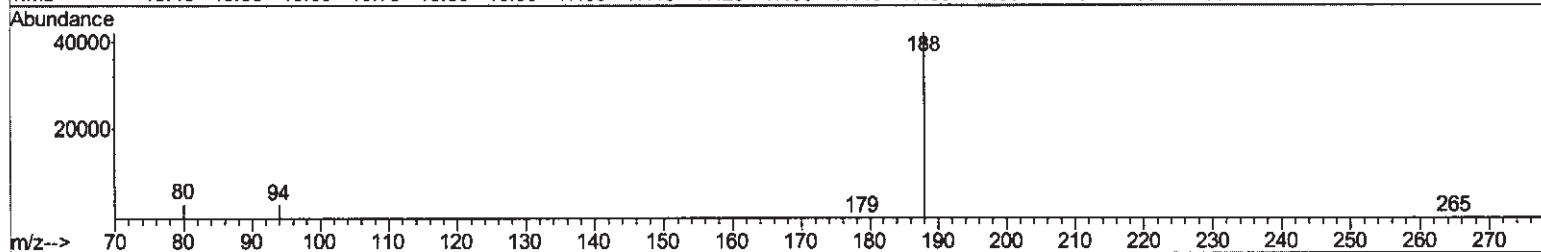
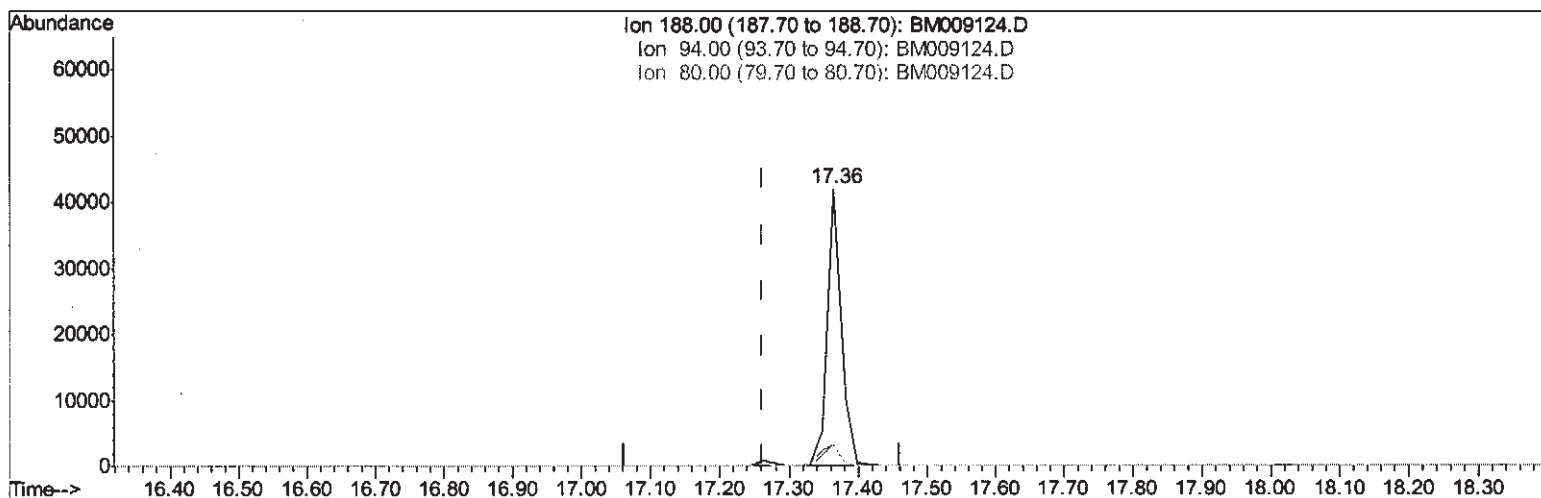
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 02:45:40 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: BM009124.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 58819

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.63#
80.00	11.80	7.64#
0.00	0.00	0.00

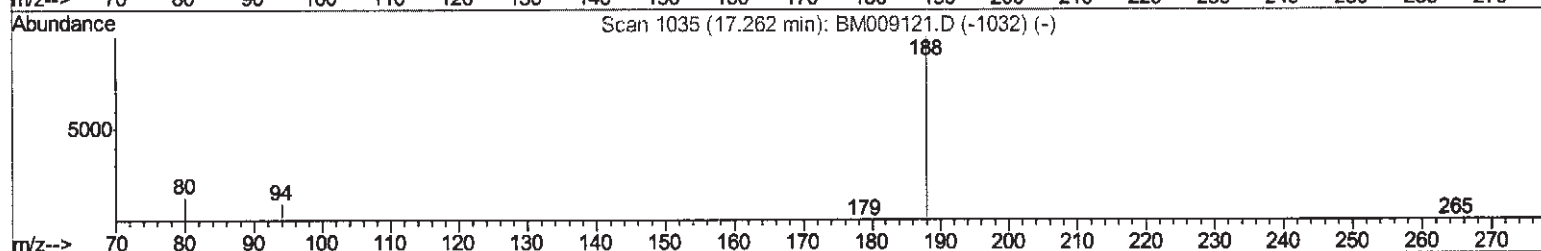
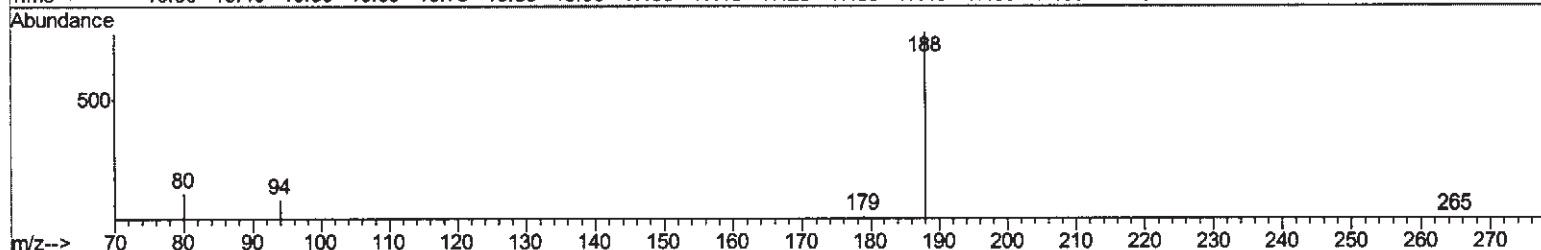
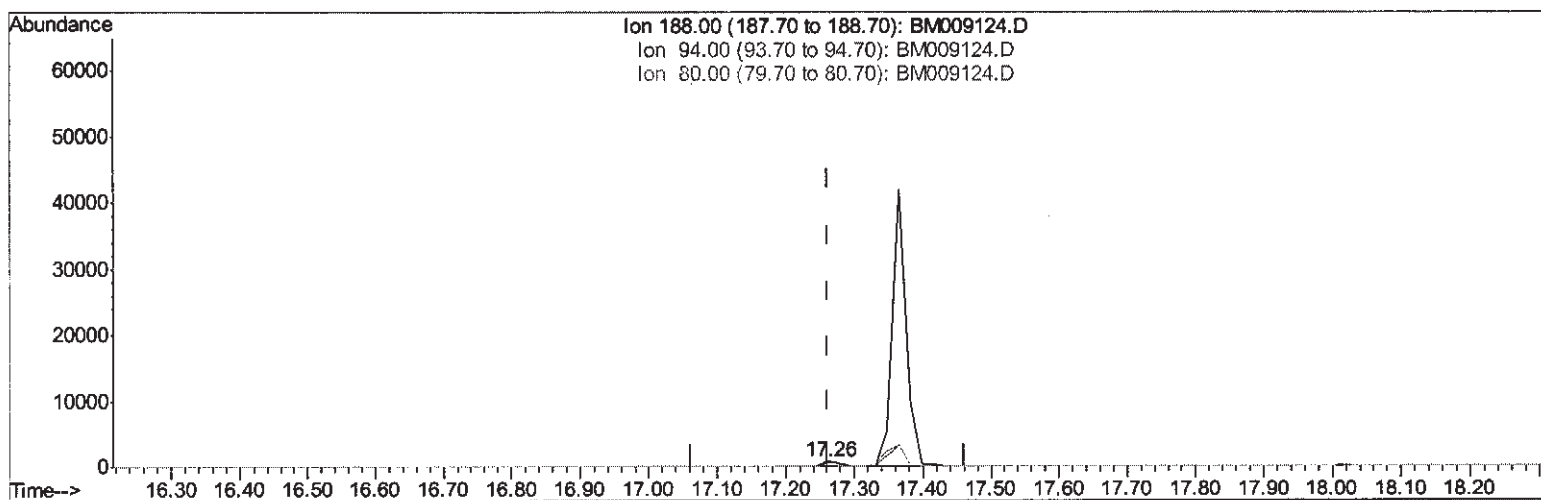
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 02:45:40 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: BM009124.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

SJ 3/16/17

response 1279

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	15.96#
80.00	11.80	19.13#
0.00	0.00	0.00

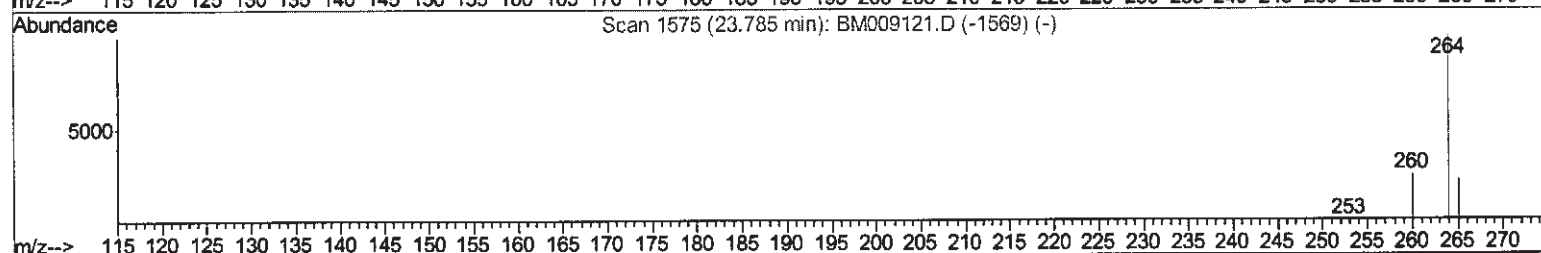
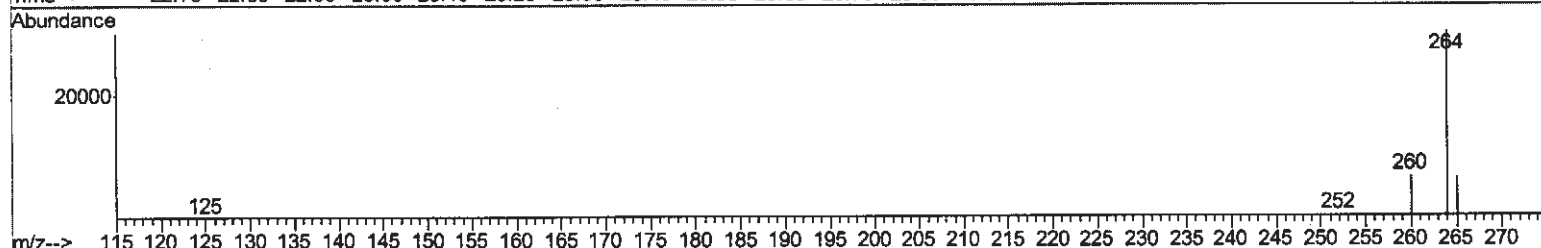
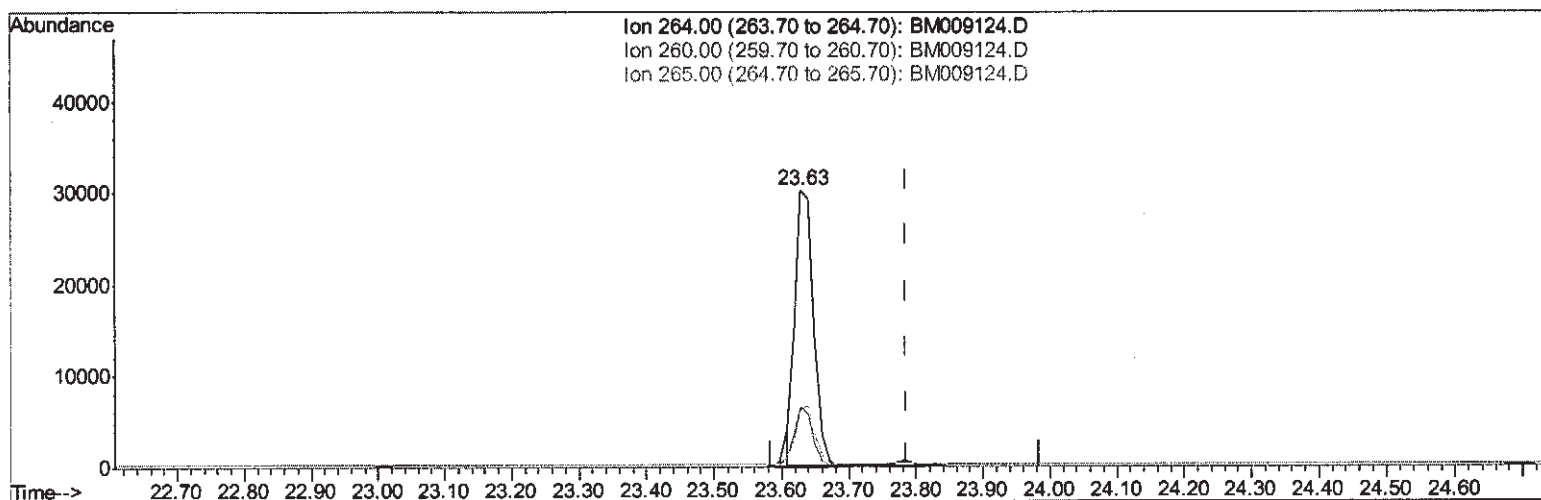
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 02:45:40 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: BM009124.D

(20) Perylene-d12 (I)

23.629min (-0.156) 0.40ng/ul

response 58555

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.06#
265.00	103.50	20.90#
0.00	0.00	0.00

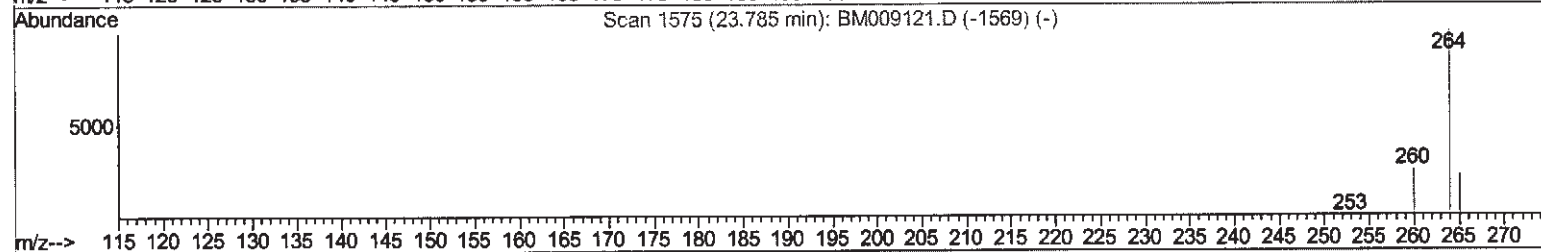
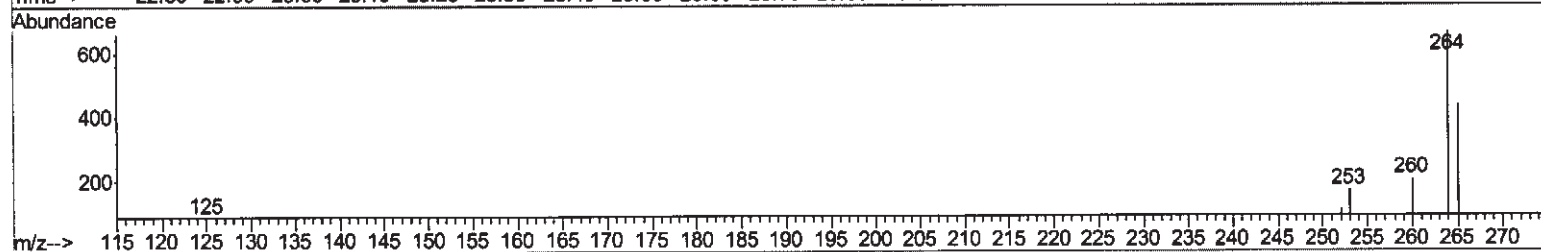
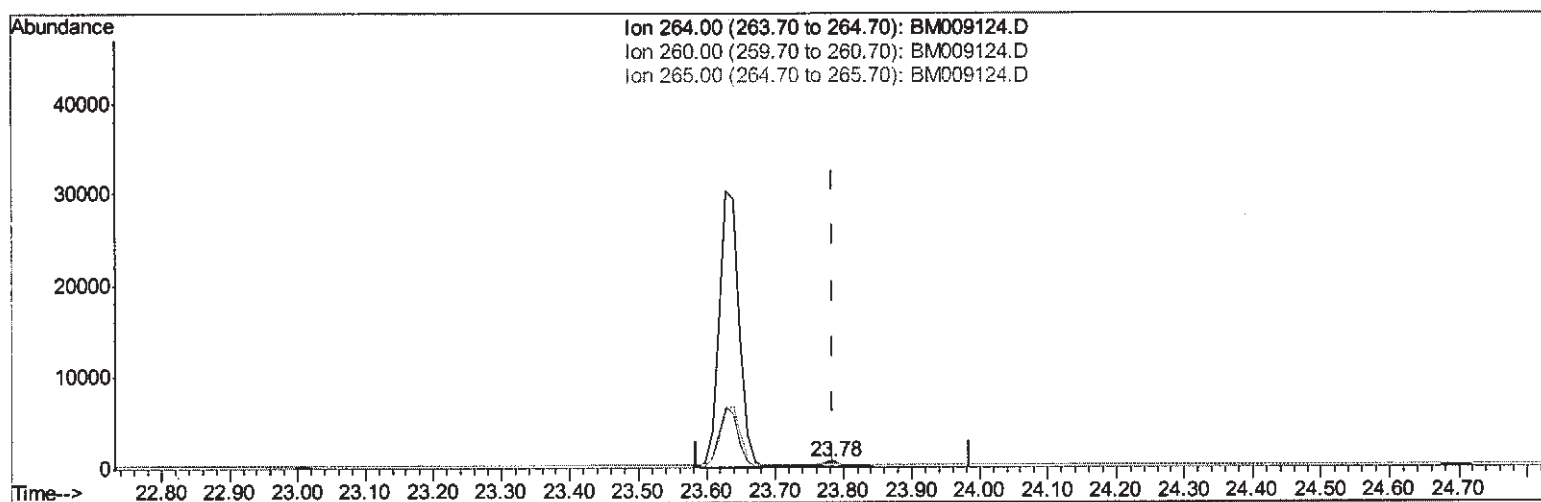
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 02:45:40 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: BM009124.D

(20) Perylene-d12 (I)

23.785min (+0.000) 0.40ng/ul m SJ 3/16/17

response 1253

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.26
265.00	103.50	64.90#
0.00	0.00	0.00

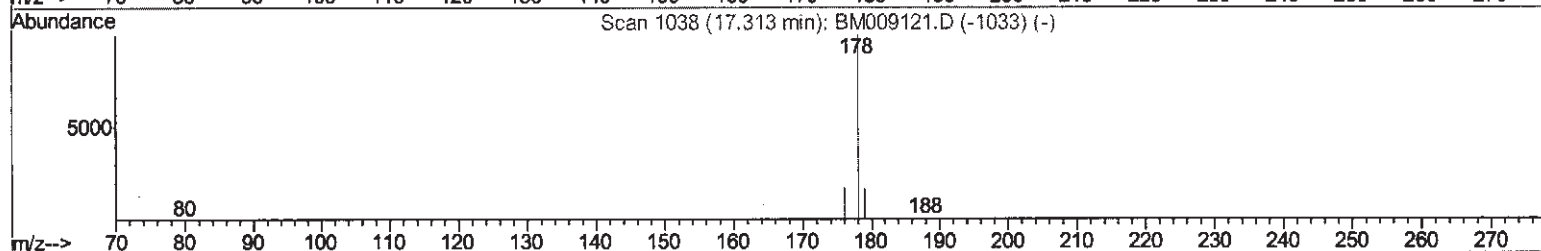
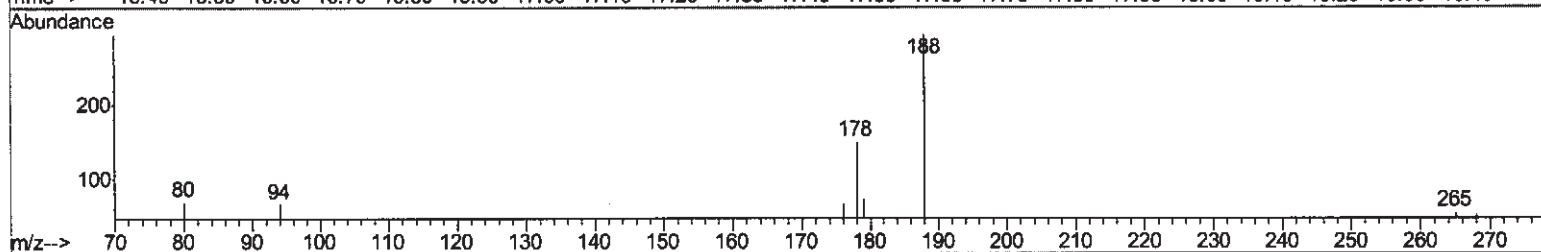
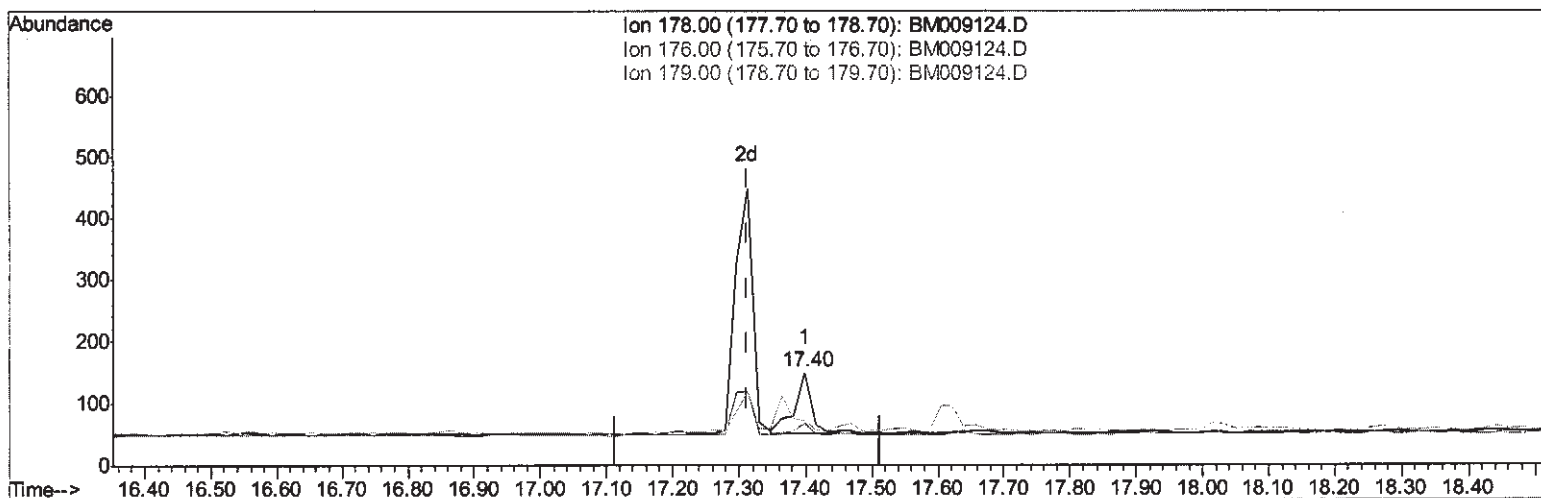
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

(12) Phenanthrene

17.399min (+0.086) 0.05ng/ul

response 181

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	44.67#
179.00	17.00	47.33#
0.00	0.00	0.00

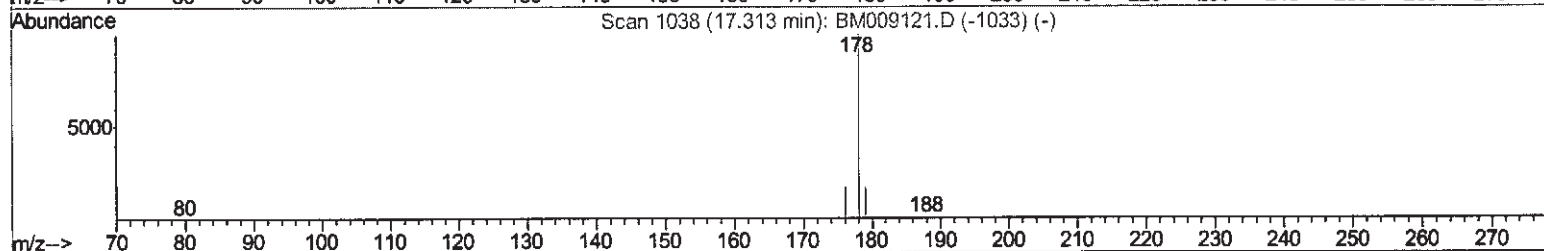
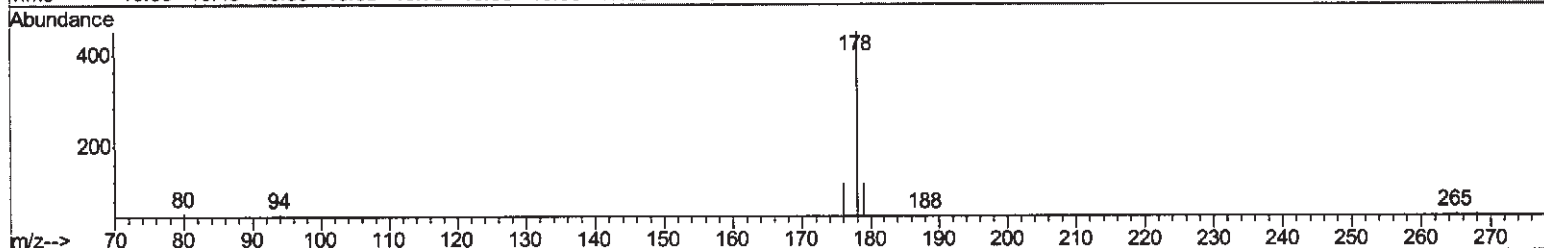
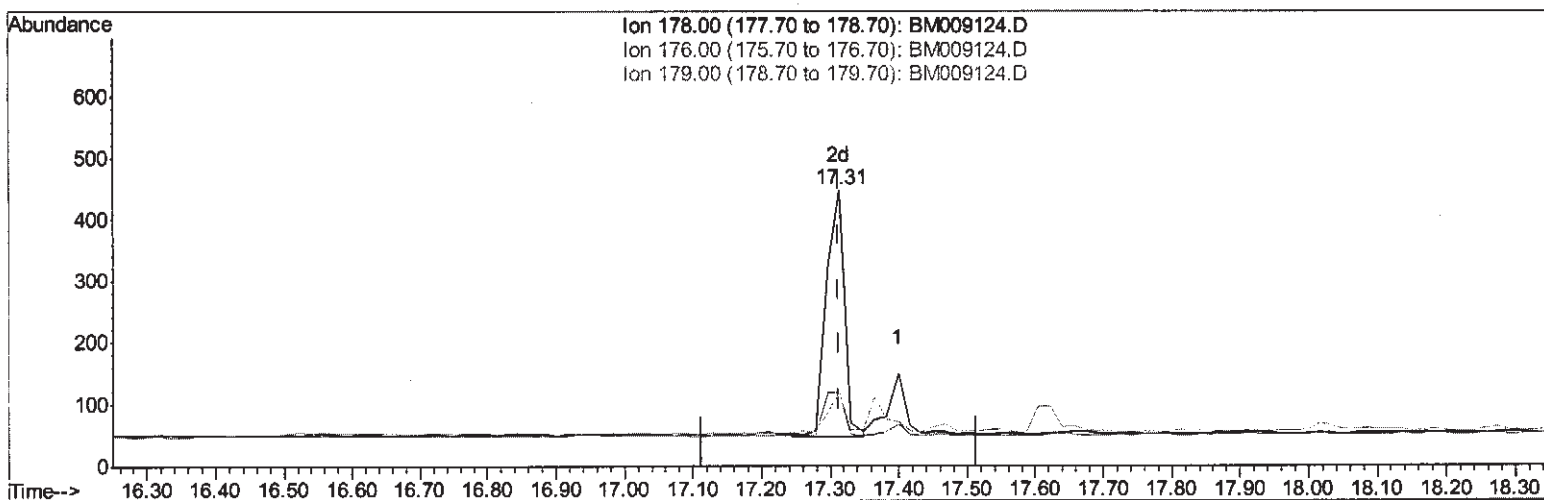
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

(12) Phenanthrene

17.313min (+0.000) 0.19ng/ul m

SJ 3/16/17

response 750

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	26.28
179.00	17.00	26.28#
0.00	0.00	0.00

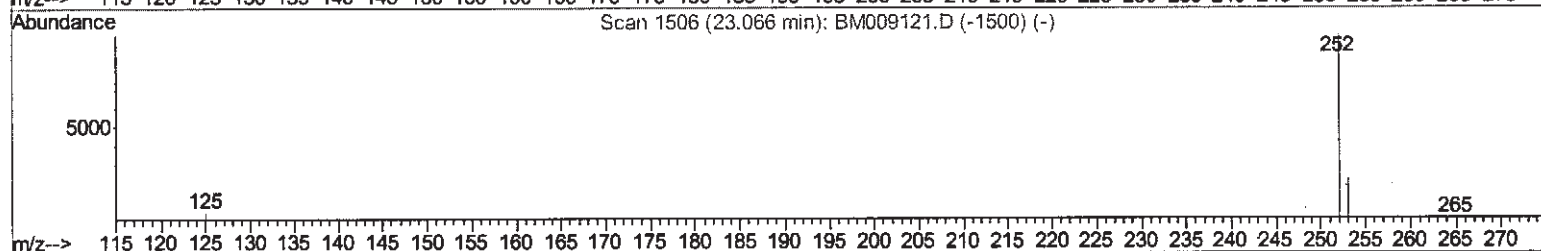
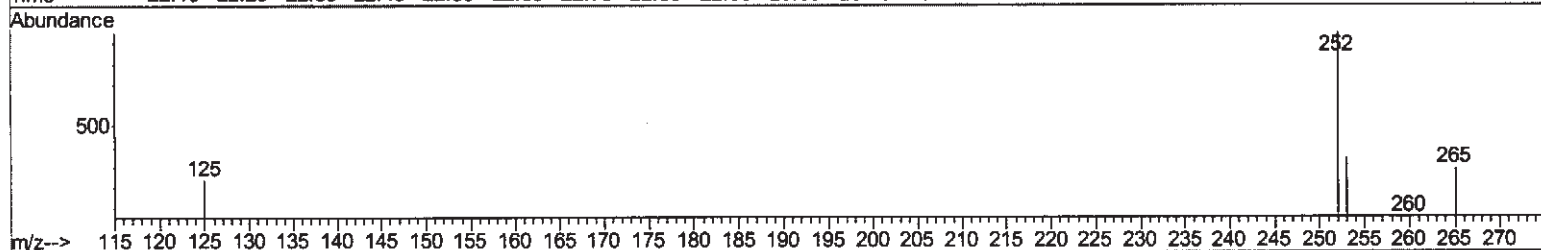
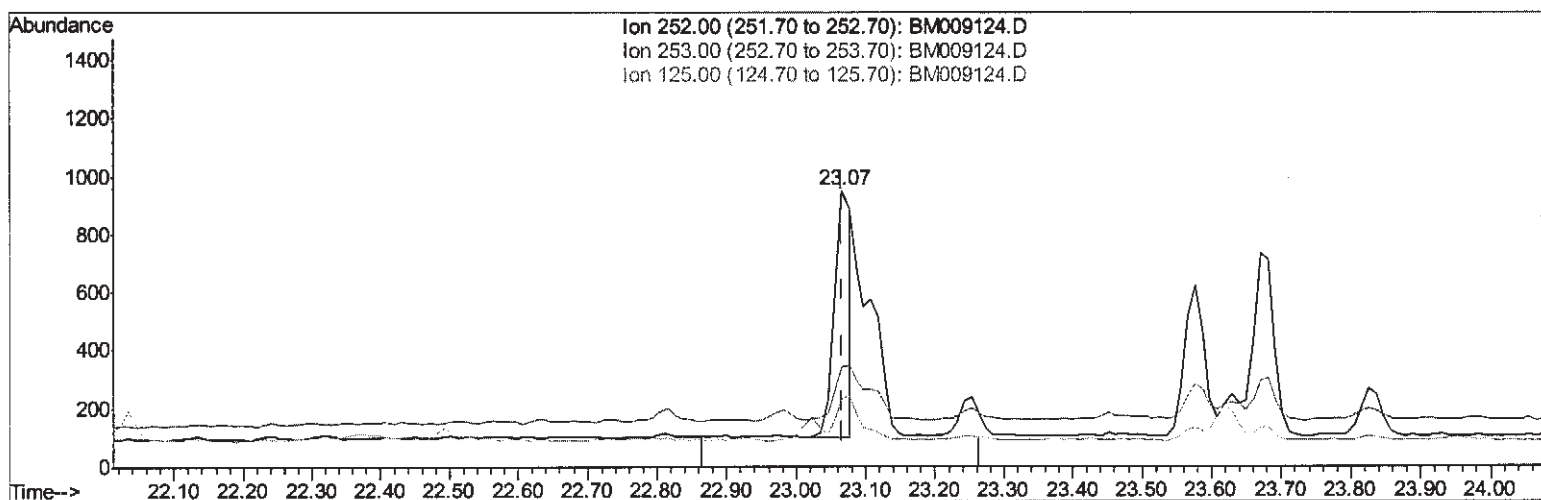
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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 (+0.000) 0.29ng/ul

response 1412

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	35.75
125.00	17.50	24.71
0.00	0.00	0.00

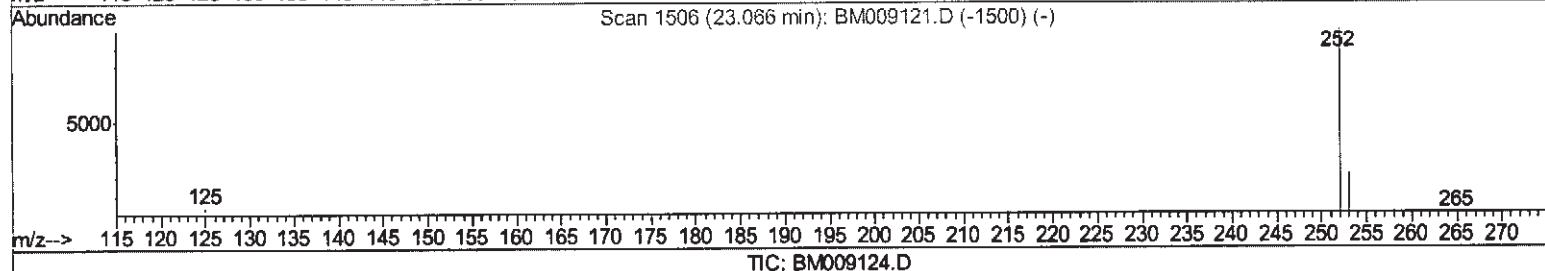
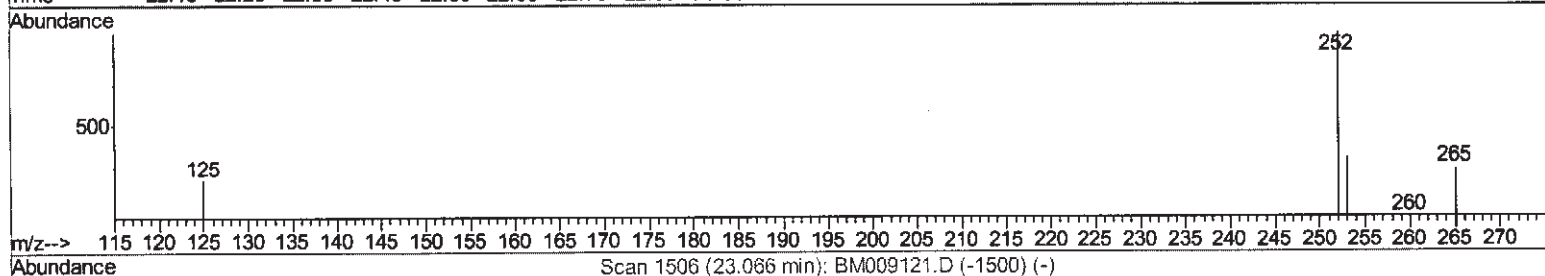
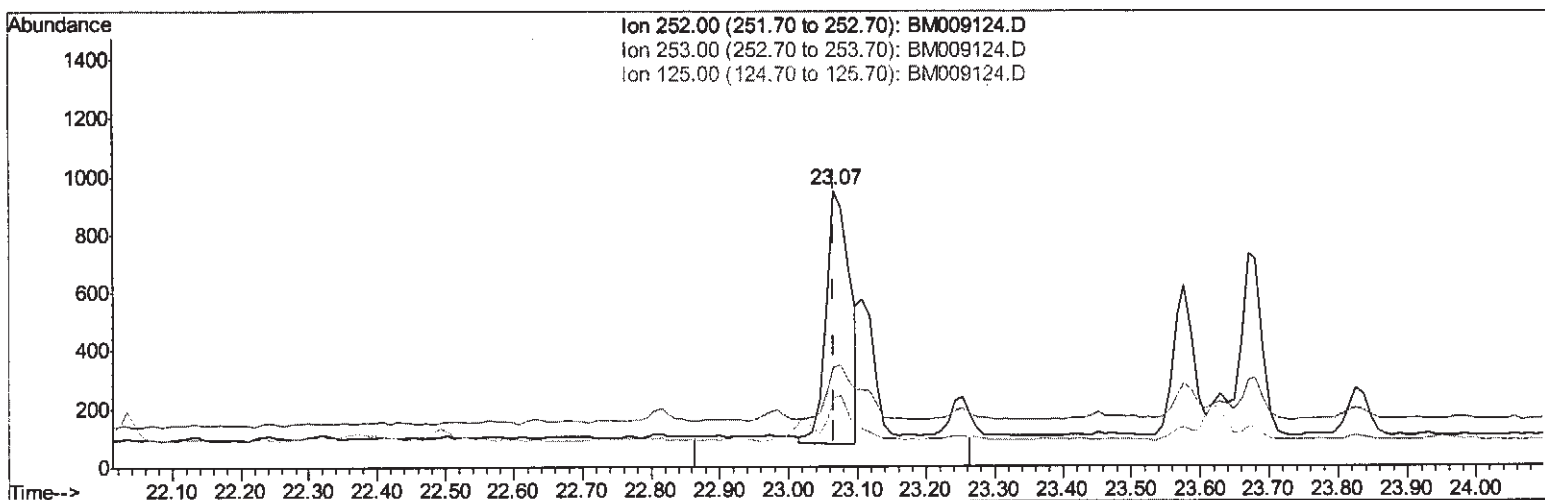
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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 (+0.000) 0.44ng/ul m

SJ 3/16/17

response 2158

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	35.75
125.00	17.50	24.71
0.00	0.00	0.00

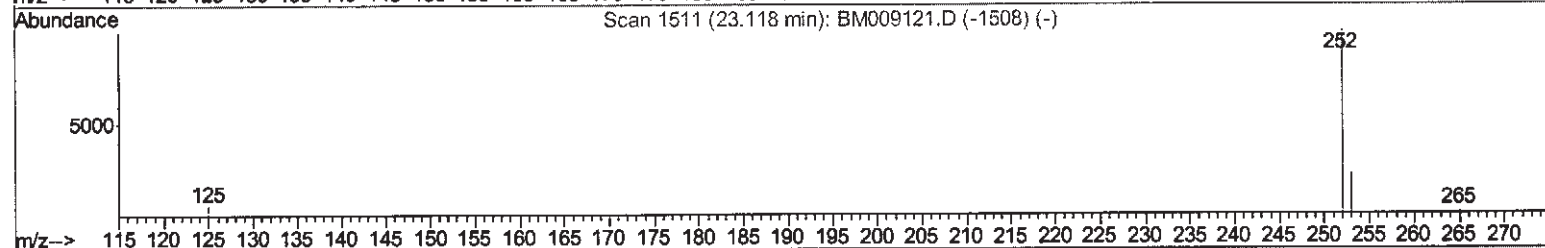
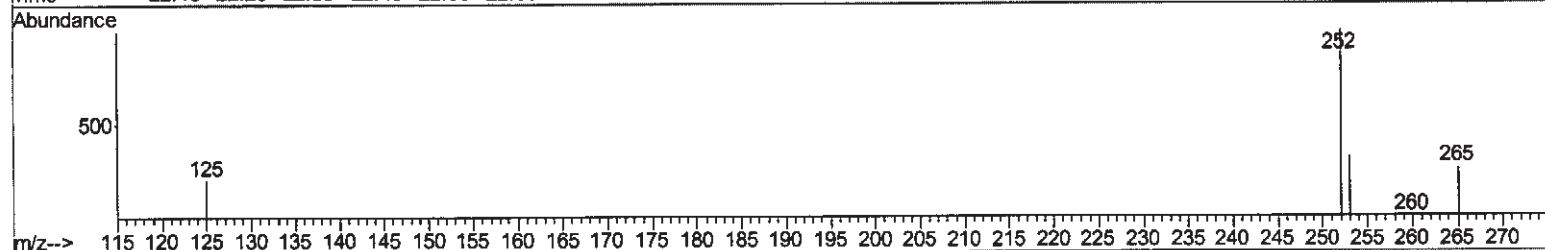
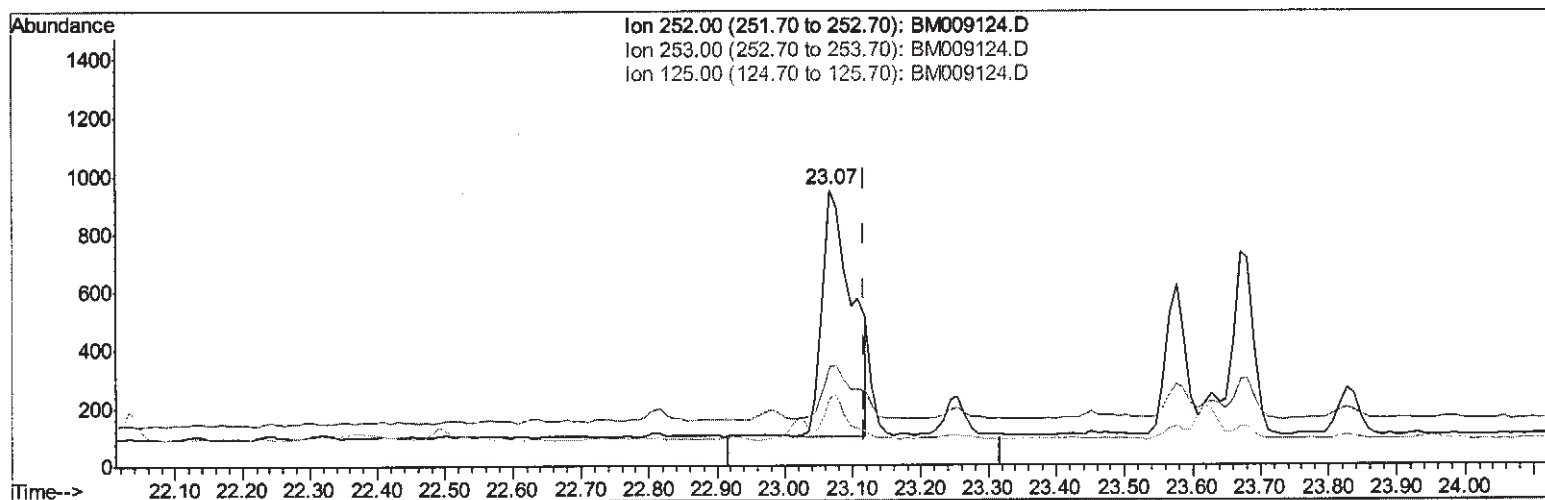
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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

23.066min (-0.052) 0.60ng/ul

response 2610

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	35.75
125.00	17.10	24.71#
0.00	0.00	0.00

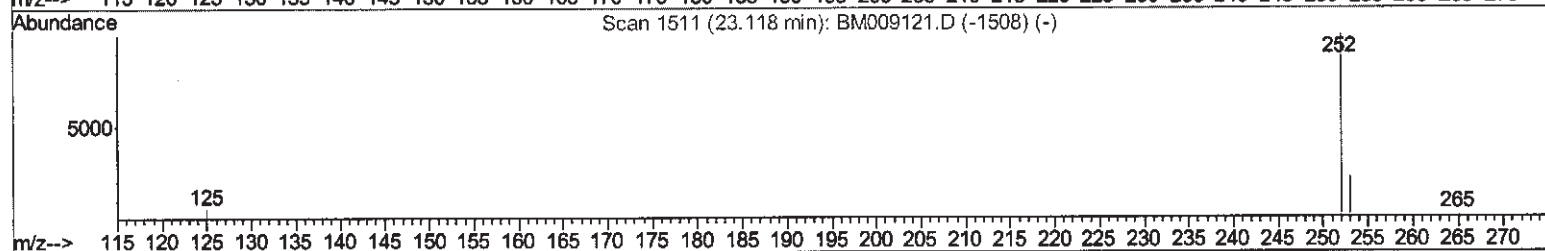
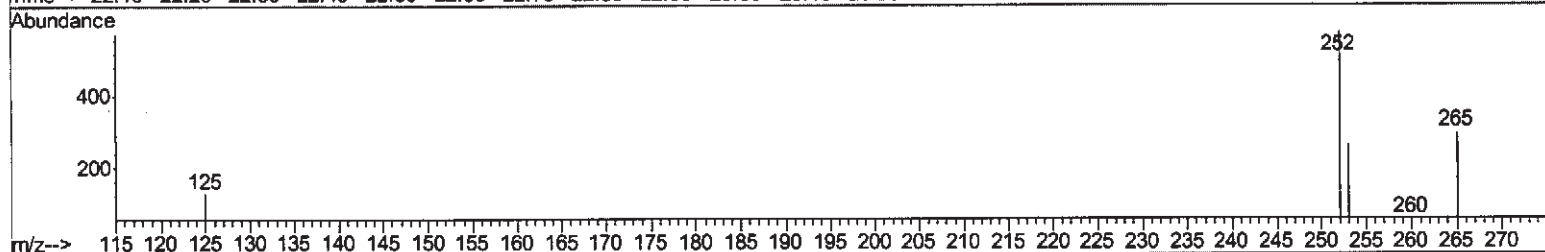
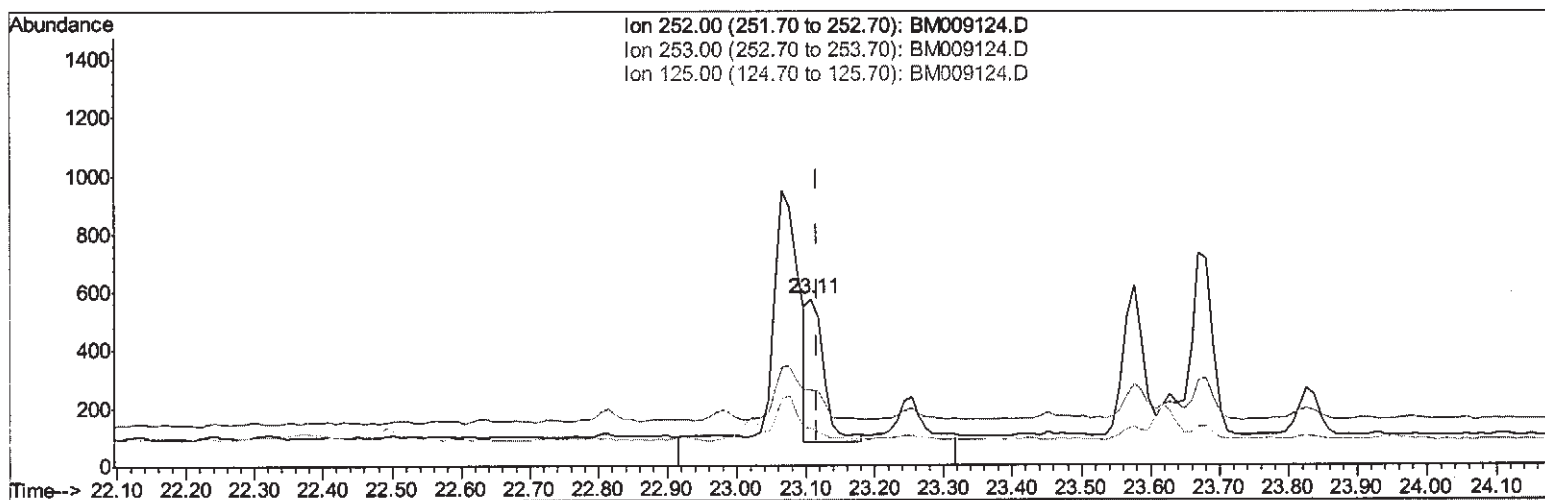
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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

23.107min (-0.010) 0.18ng/ul m

SJ 3/16/17

response 800

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	45.58#
125.00	17.10	22.18#
0.00	0.00	0.00

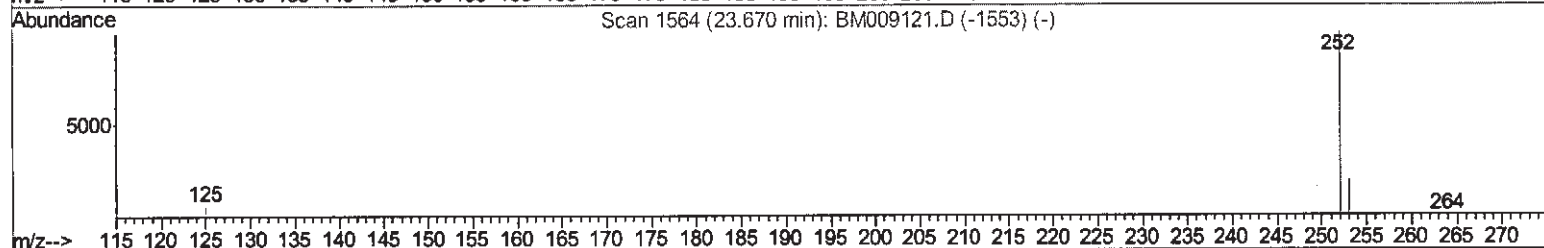
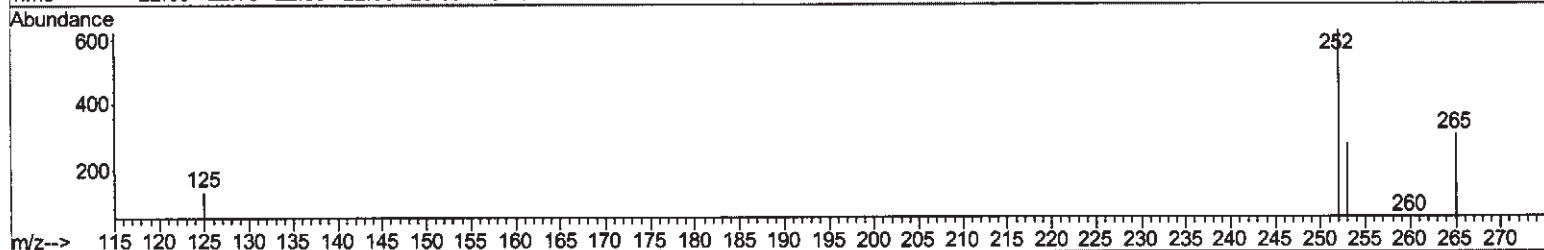
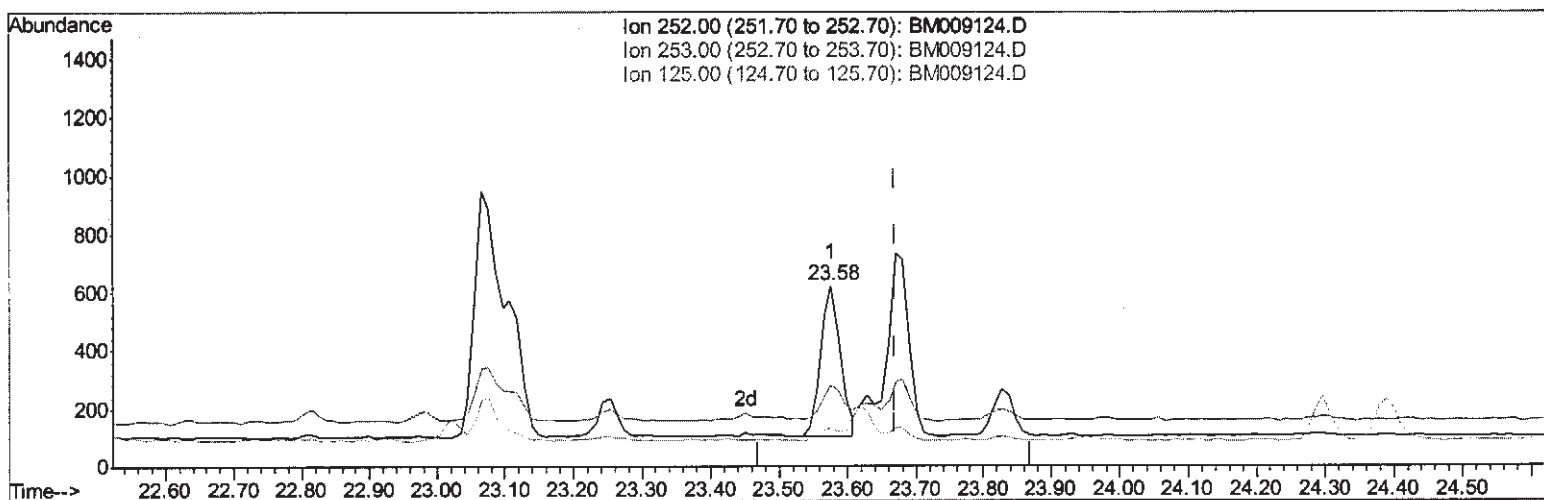
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

(23) Benzo(a)pyrene (C)

23.576min (-0.094) 0.24ng/ul

response 1054

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	44.78#
125.00	22.60	21.19
0.00	0.00	0.00

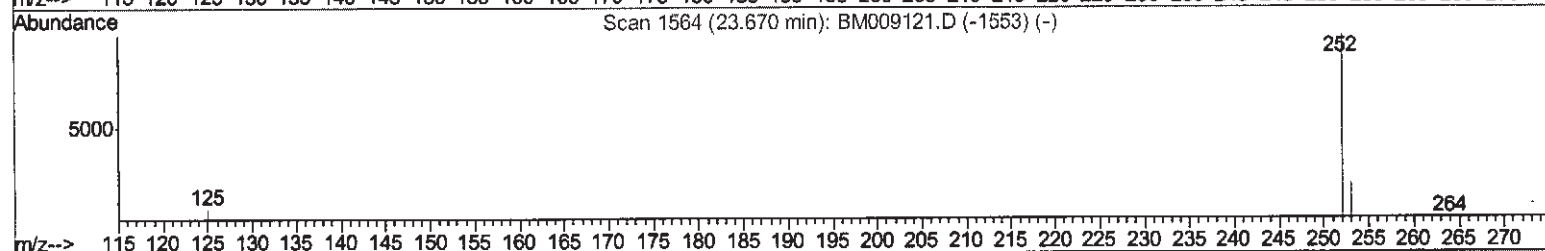
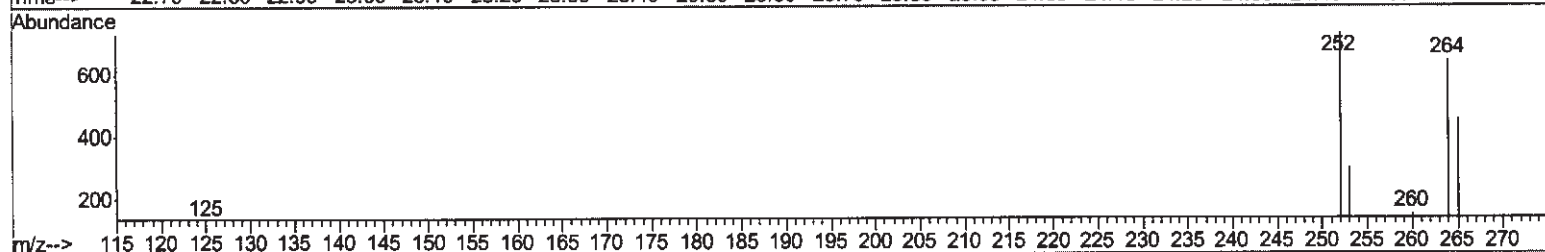
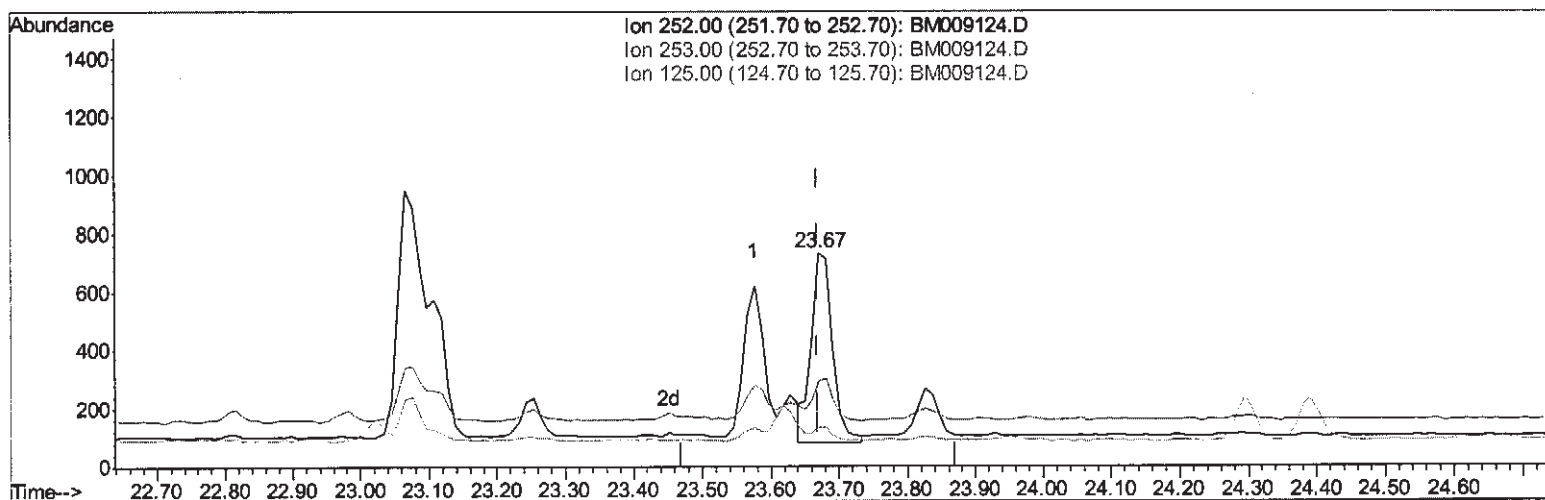
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

(23) Benzo(a)pyrene (C)

23.670min (+0.000) 0.32ng/ul m

SJ 3/16/17

response 1417

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	40.11
125.00	22.60	18.42
0.00	0.00	0.00

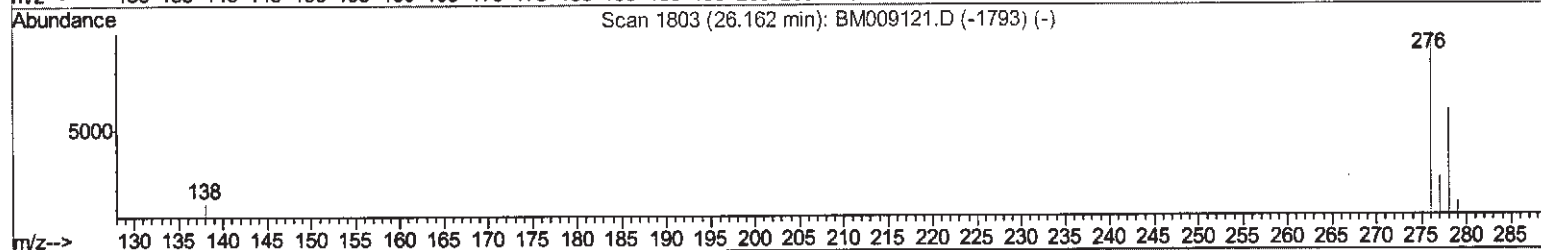
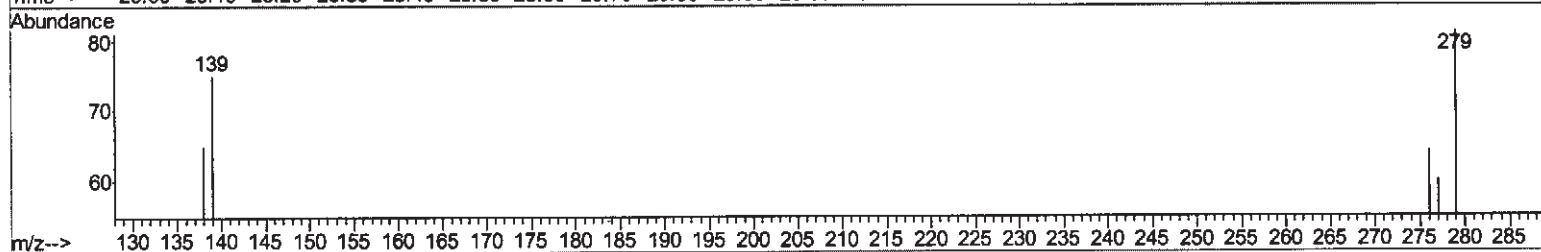
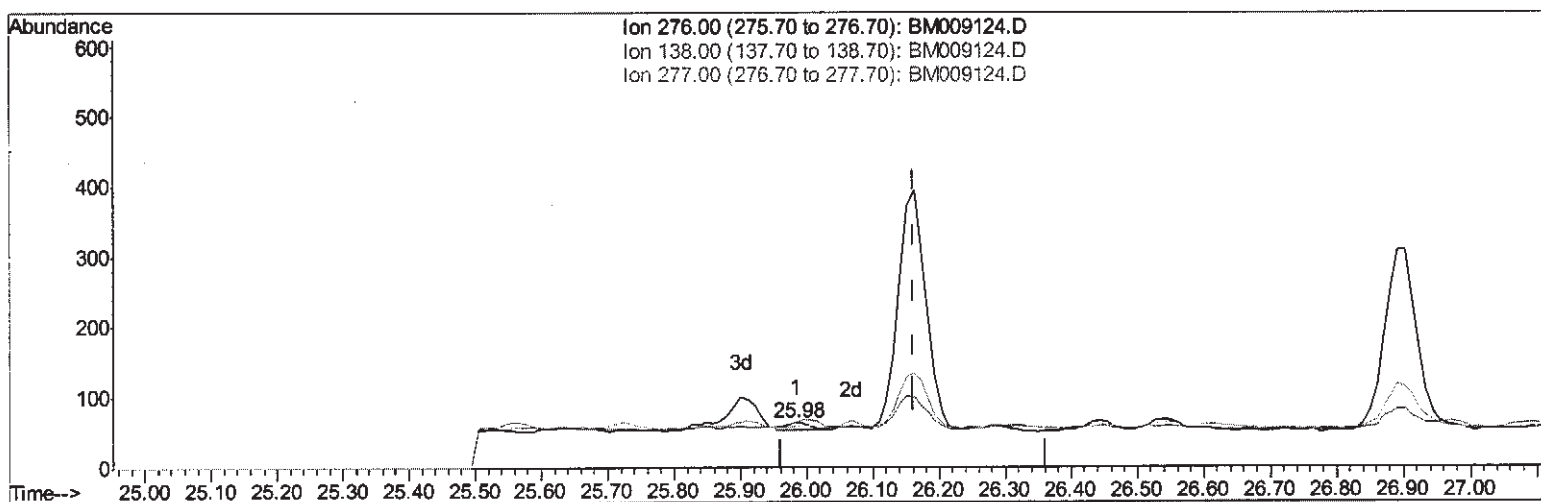
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

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

25.984min (-0.177) 0.00ng/ul

response 25

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	200.00#
277.00	24.50	44.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

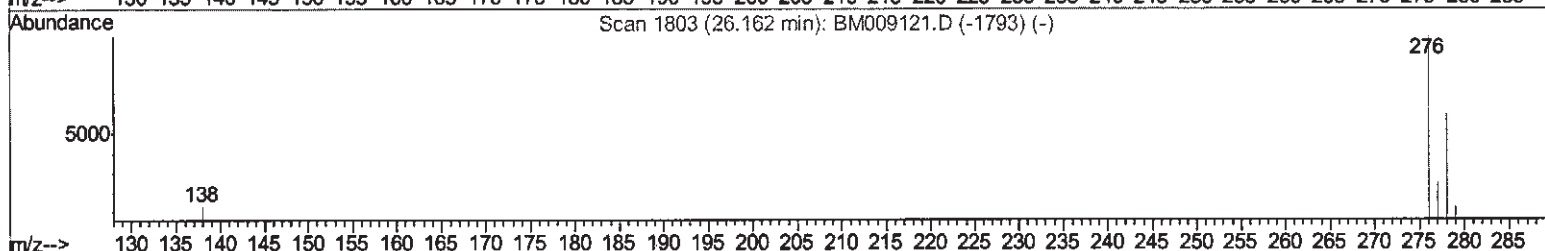
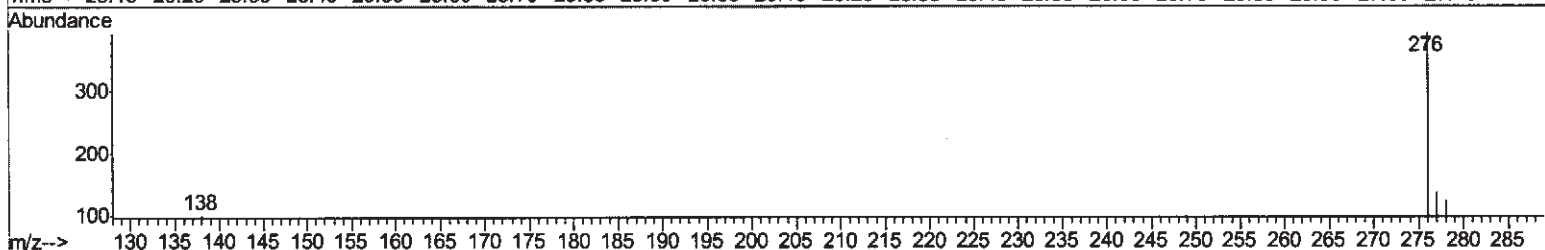
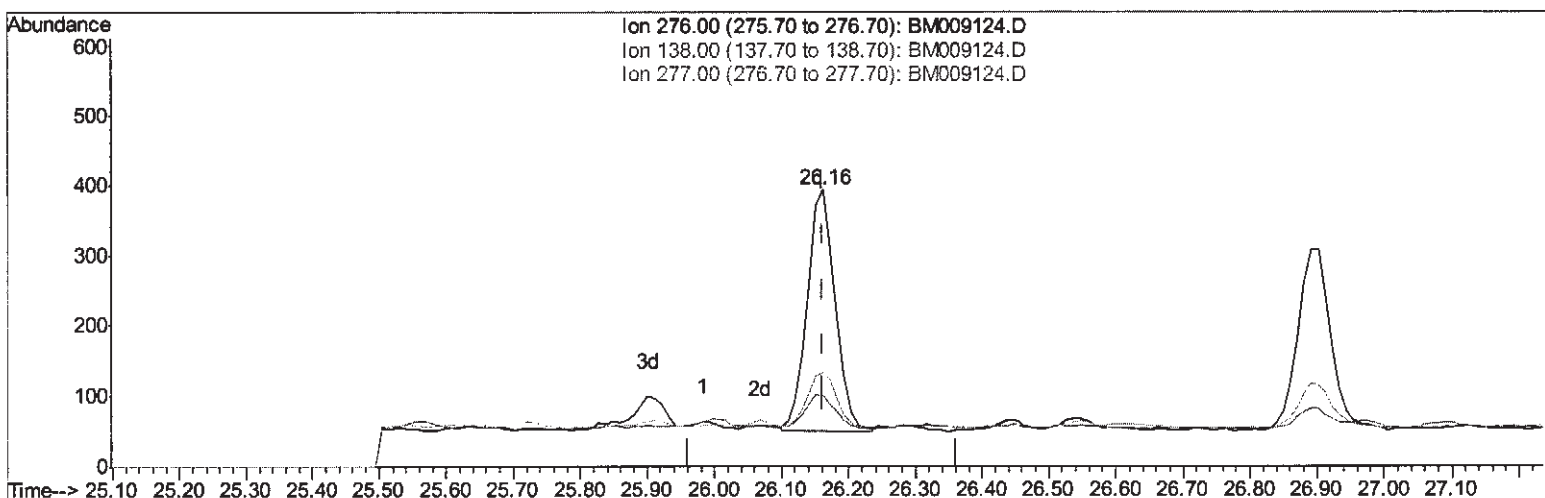
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009124.D
 Acq On : 09 Mar 2017 00:05
 Operator : SJ/MA
 Sample : I2062-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK5

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

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

26.162min (+0.000) 0.18ng/ul m

SJ 3/16/17

response 992

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	5.04#
277.00	24.50	1.11#
0.00	0.00	0.00

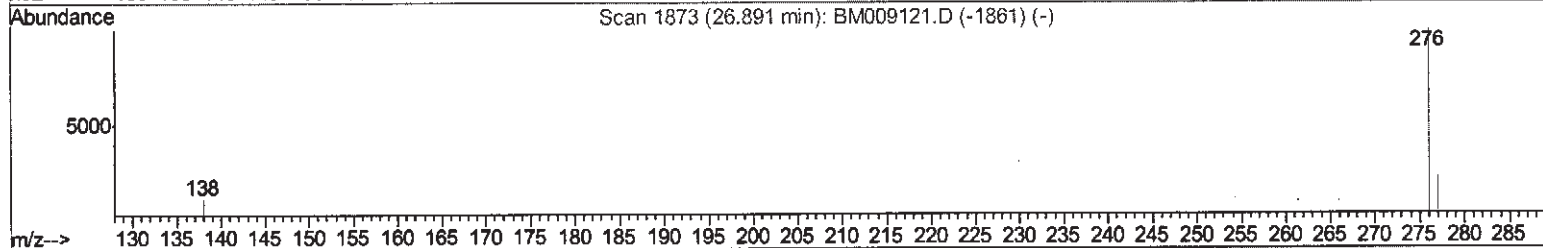
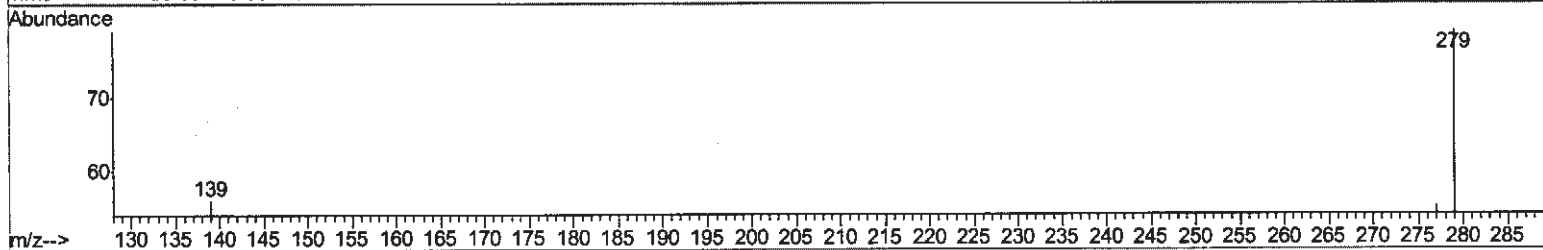
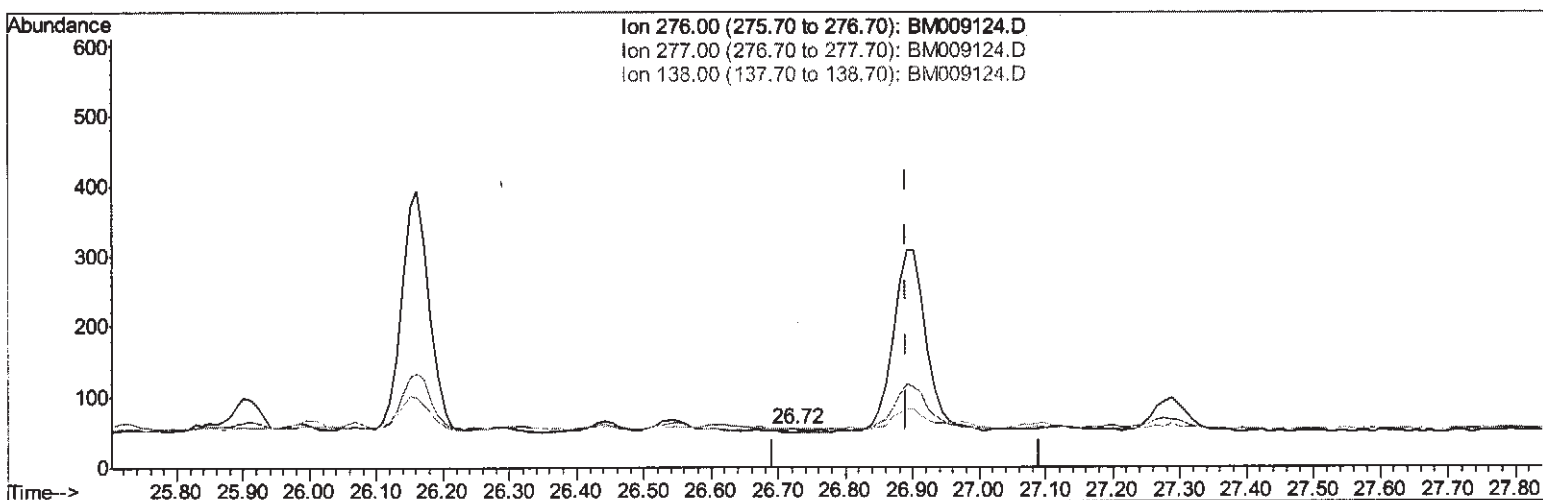
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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: BM009124.D

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

26.725min (-0.167) 0.00ng/ul

response 8

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	101.85#
138.00	25.60	100.00#
0.00	0.00	0.00

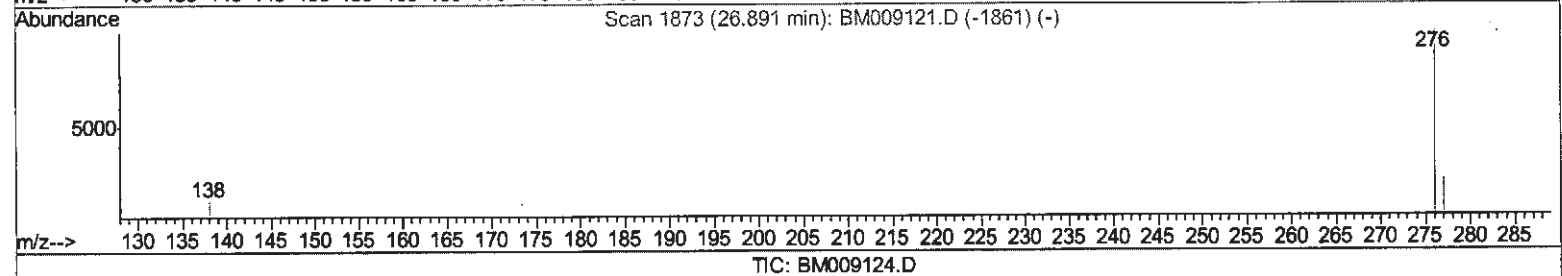
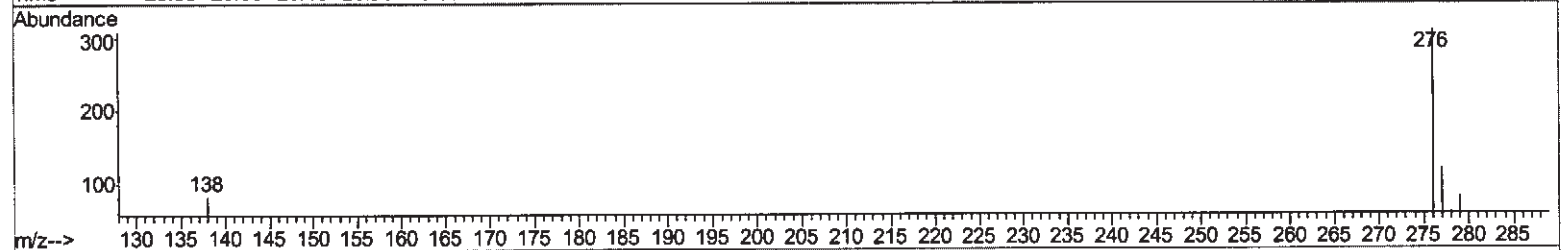
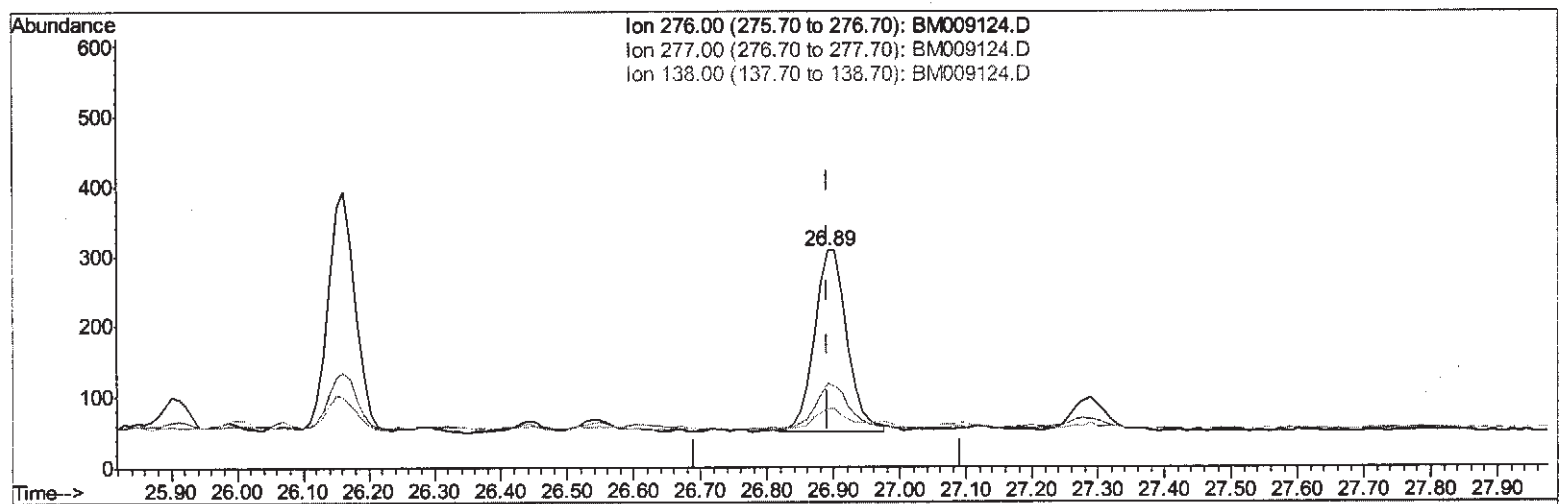
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009124.D
Acq On : 09 Mar 2017 00:05
Operator : SJ/MA
Sample : I2062-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK5

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:00:01 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 (+0.000) 0.18ng/ul m

response 879

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	38.31#
138.00	25.60	26.62
0.00	0.00	0.00

53 3/16/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009124.D
 Acq On : 09 Mar 2017 00:05
 Operator : SJ/MA
 Sample : I2062-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK5

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:45 PM

Quant Time: Mar 09 03:02:25 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	276	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	892	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	541	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1279m	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	1379	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1253m	0.40	ng/ul	0.00

SJ 3/16/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	270	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	736	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) 2-Methylnaphthalene	12.34	142	119	0.06	ng/ul	97
12) Phenanthrene	17.31	178	750m	0.19	ng/ul	
13) Anthracene	17.40	178	176	0.04	ng/ul#	46
15) Fluoranthene	19.33	202	1982	0.38	ng/ul	97
17) Pyrene	19.69	202	1961	0.41	ng/ul	97
18) Benzo(a)anthracene	21.43	228	1248	0.27	ng/ul#	90
19) Chrysene	21.48	228	1482	0.34	ng/ul#	93
21) Benzo(b)fluoranthene	23.07	252	2158m	0.44	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	800m	0.18	ng/ul	
23) Benzo(a)pyrene	23.67	252	1417m	0.32	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.16	276	992m	0.18	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	879m	0.18	ng/ul	

SJ 3/16/17

SJ 3/16/17

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