

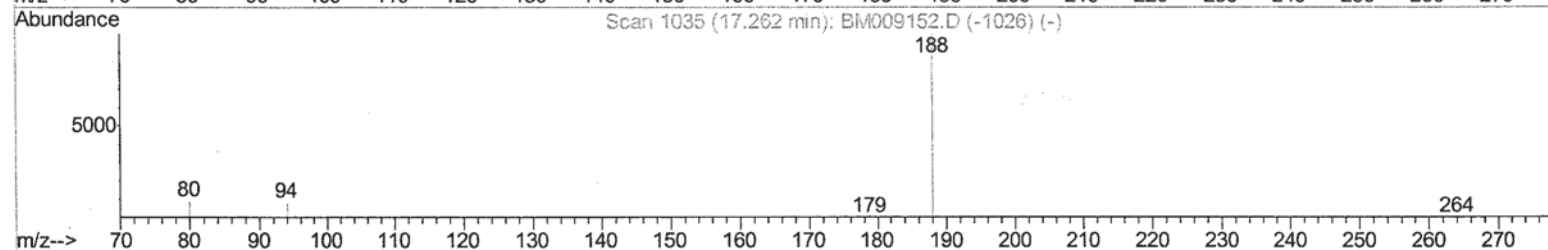
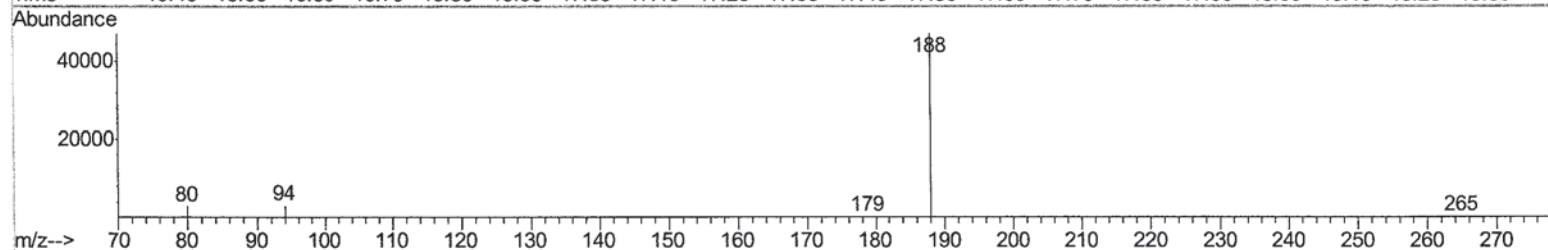
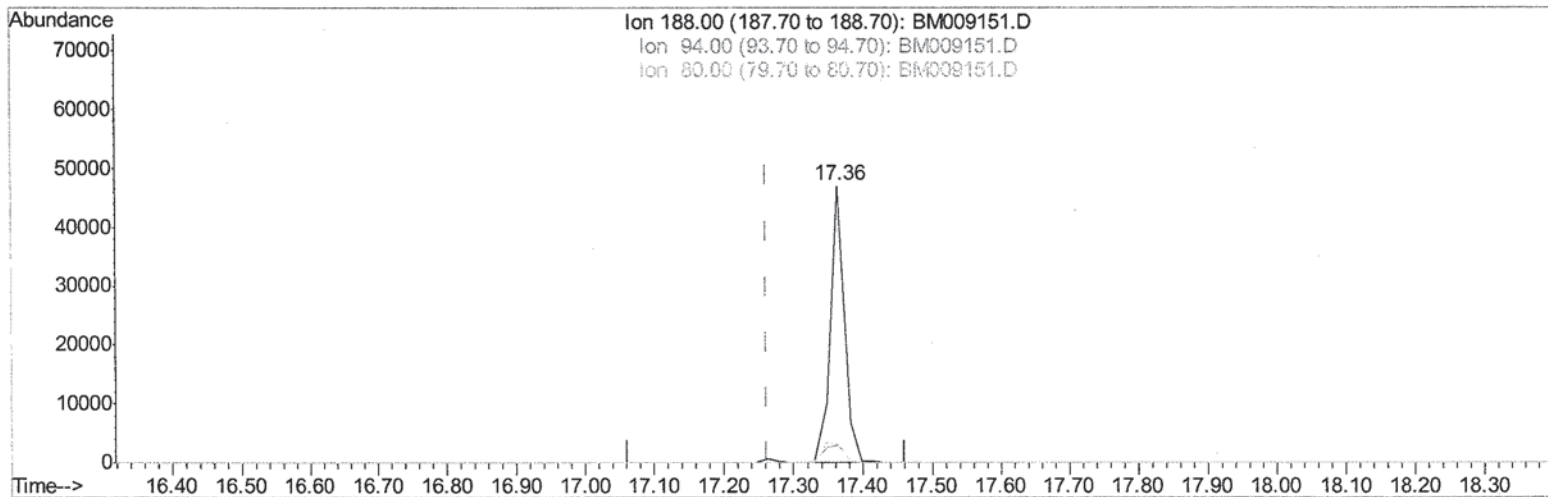
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:29:37 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 65679

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.40#
80.00	11.80	6.24#
0.00	0.00	0.00

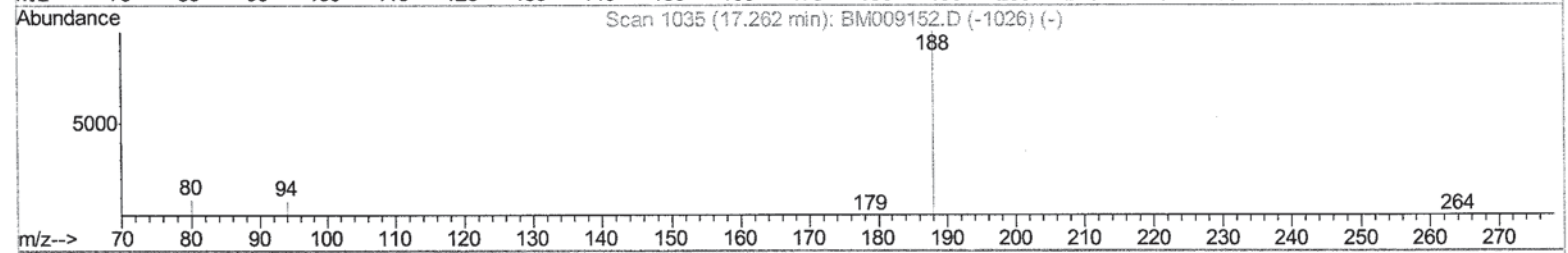
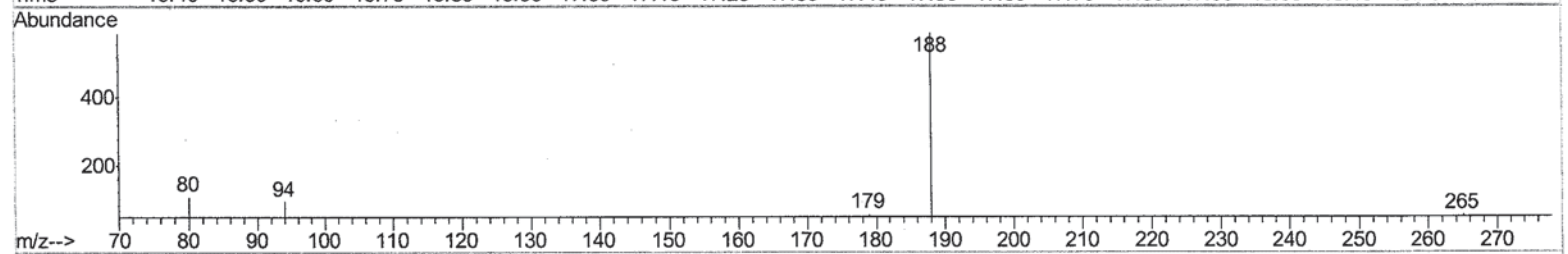
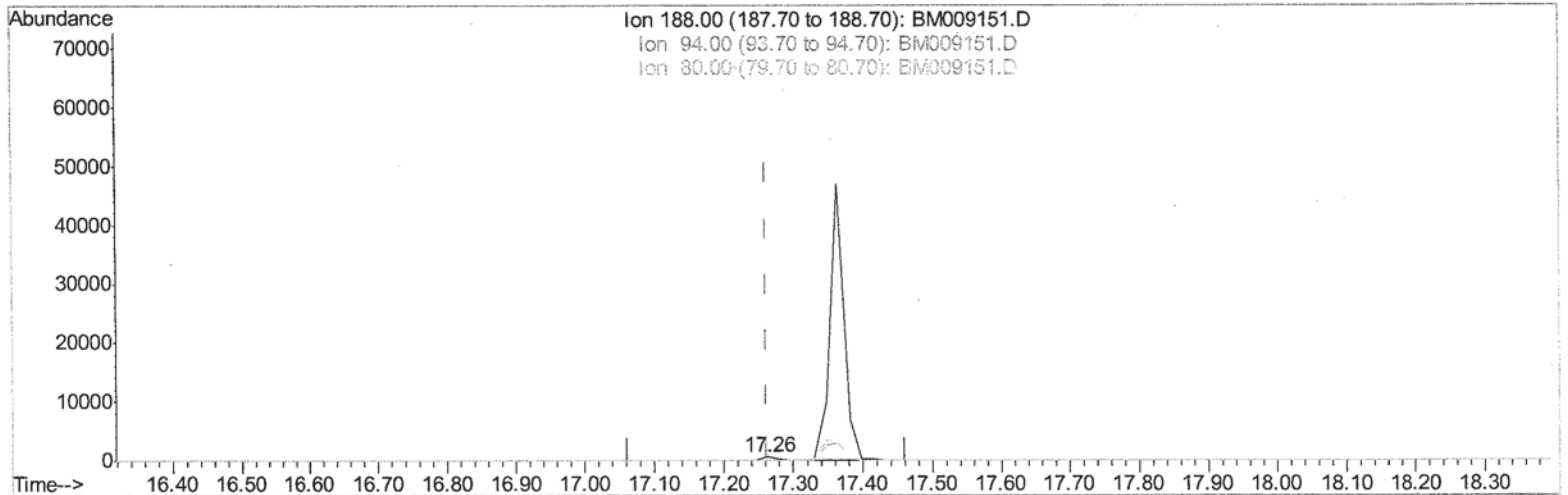
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:29:37 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m 51 3/13/17

response 833

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	16.05#
80.00	11.80	18.07#
0.00	0.00	0.00

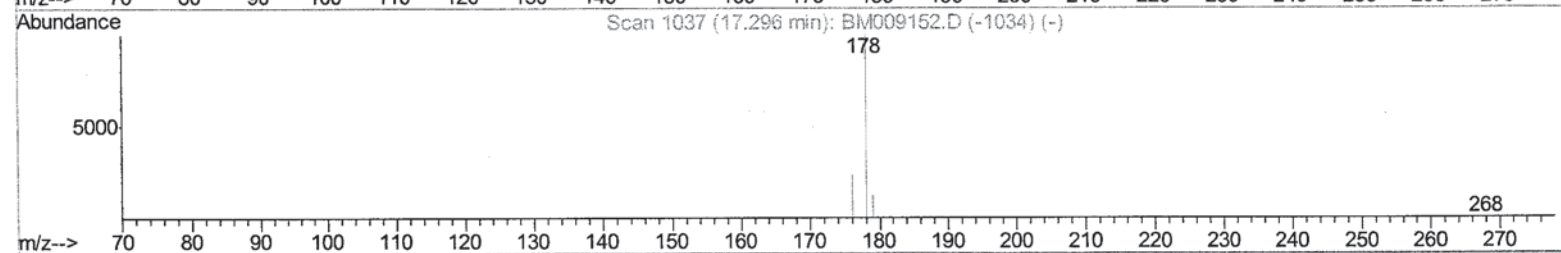
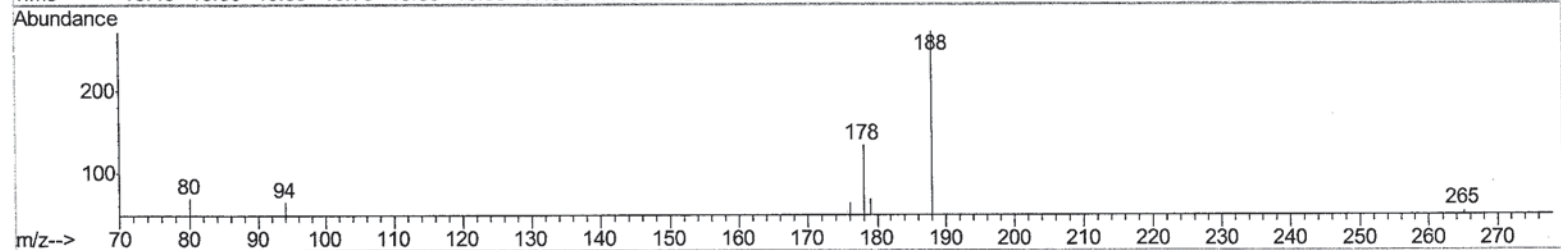
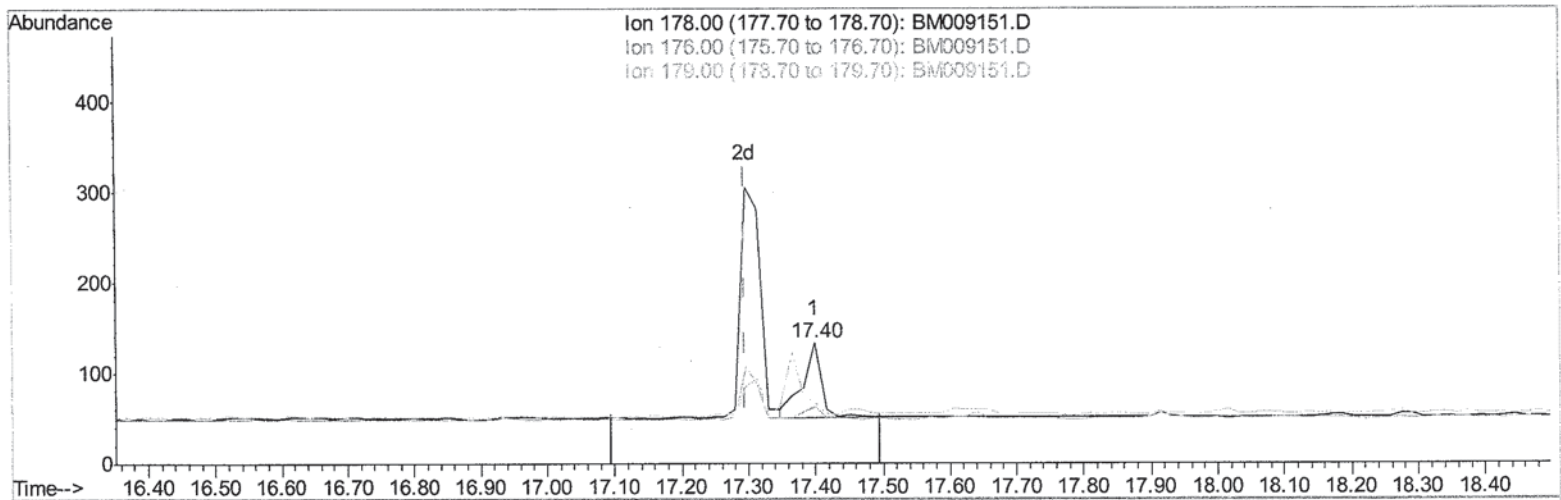
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:49:35 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(12) Phenanthrene

17.399min (+0.103) 0.06ng/ul

response 163

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	47.37#
179.00	17.00	50.38#
0.00	0.00	0.00

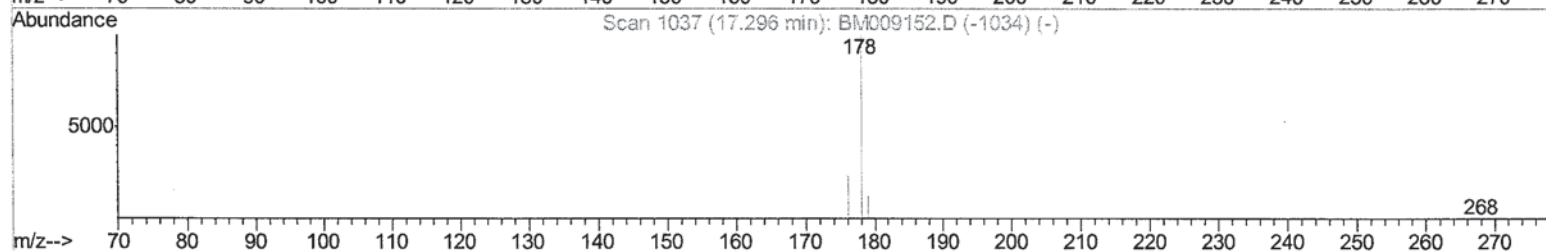
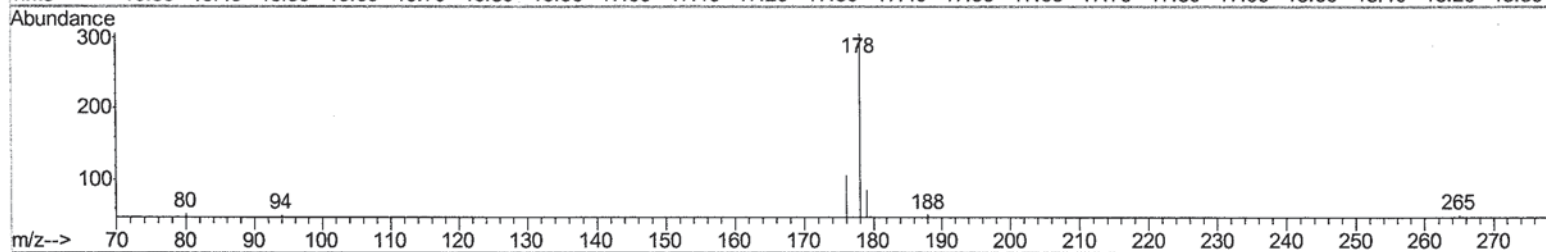
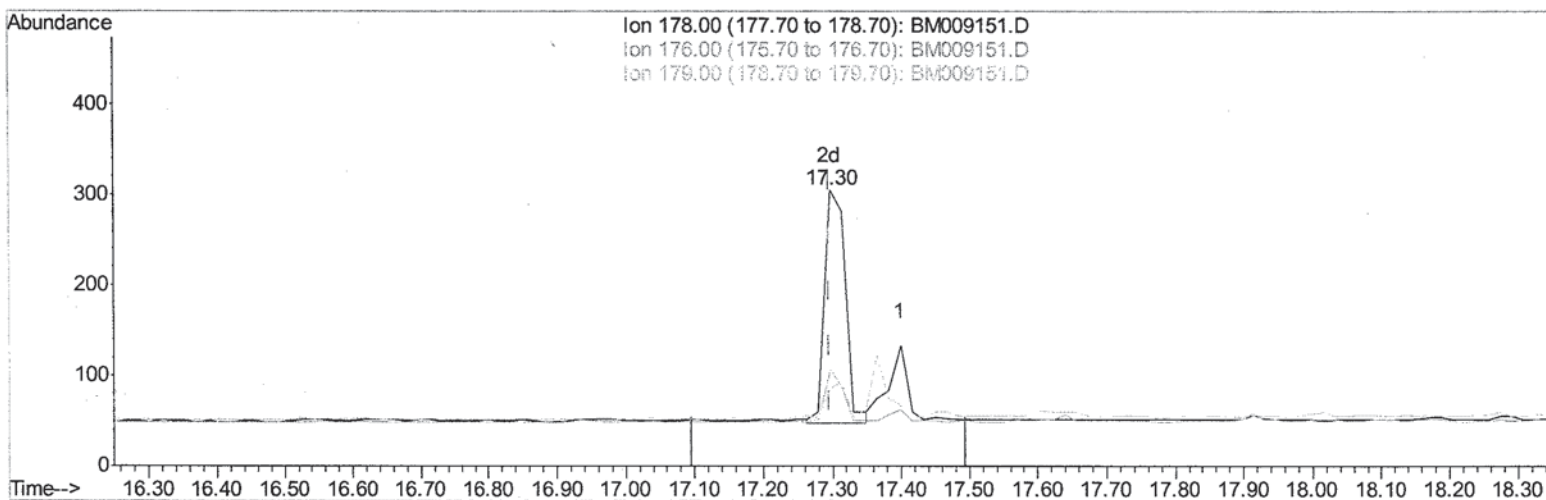
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:49:35 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(12) Phenanthrene

17.296min (+0.000) 0.21ng/ul m SJ 3/13/17

response 545

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	35.08#
179.00	17.00	28.20#
0.00	0.00	0.00

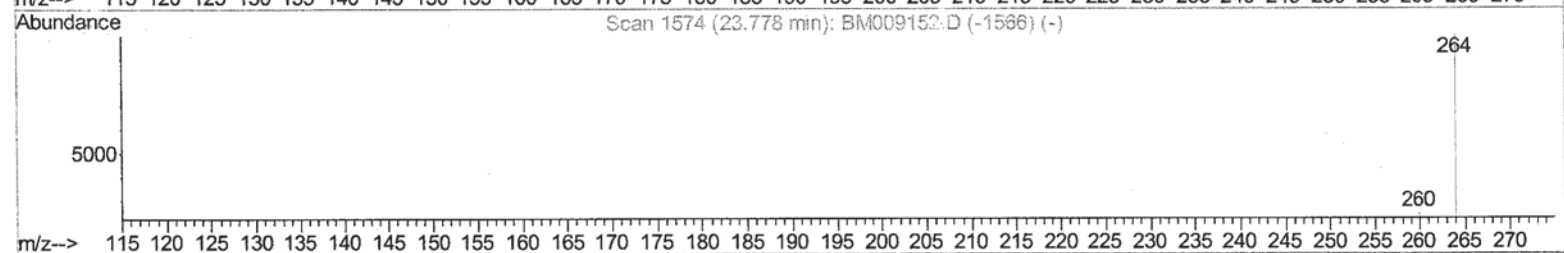
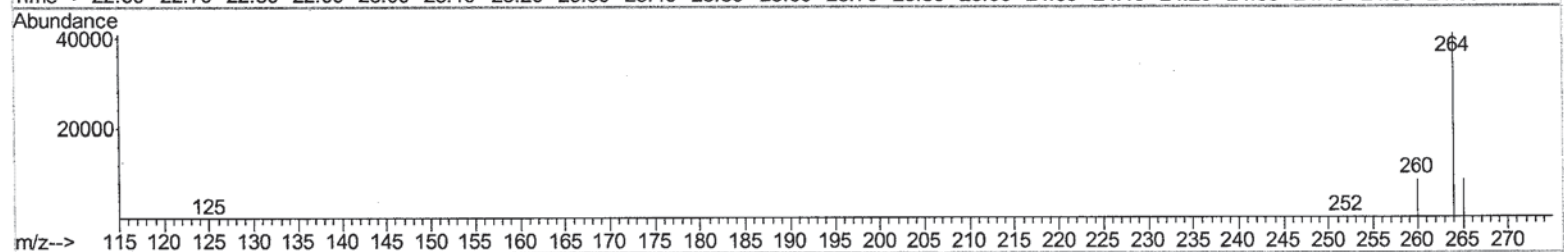
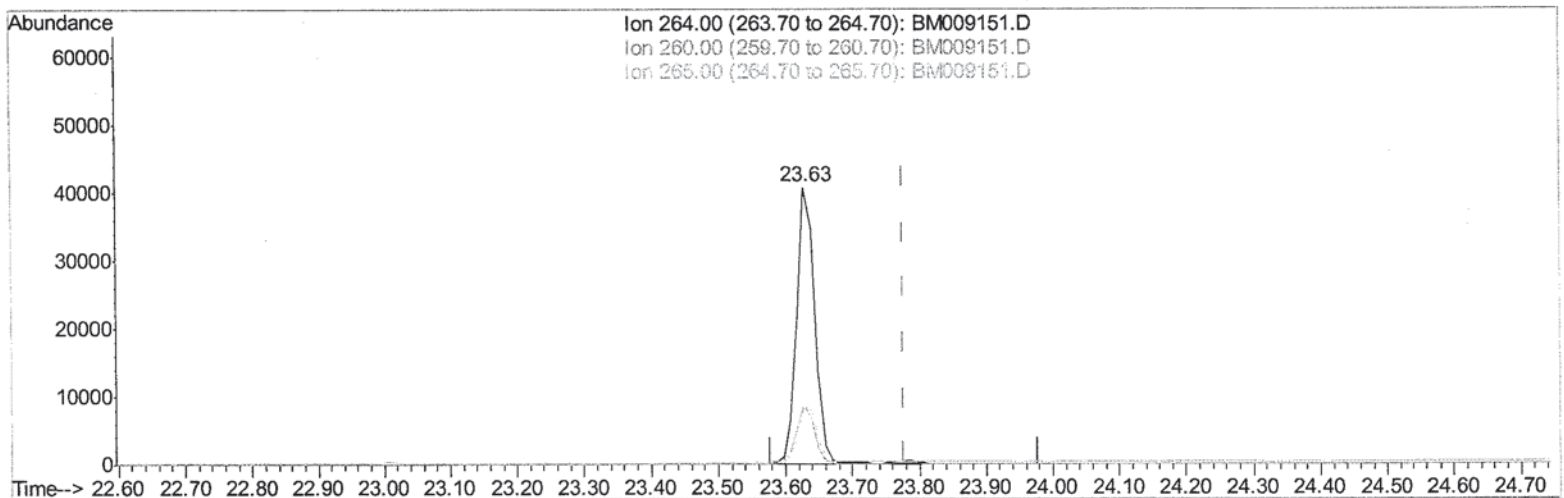
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:49:35 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(20) Perylene-d12 (I)

23.629min (-0.149) 0.40ng/ul

response 75903

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.17#
265.00	103.50	21.01#
0.00	0.00	0.00

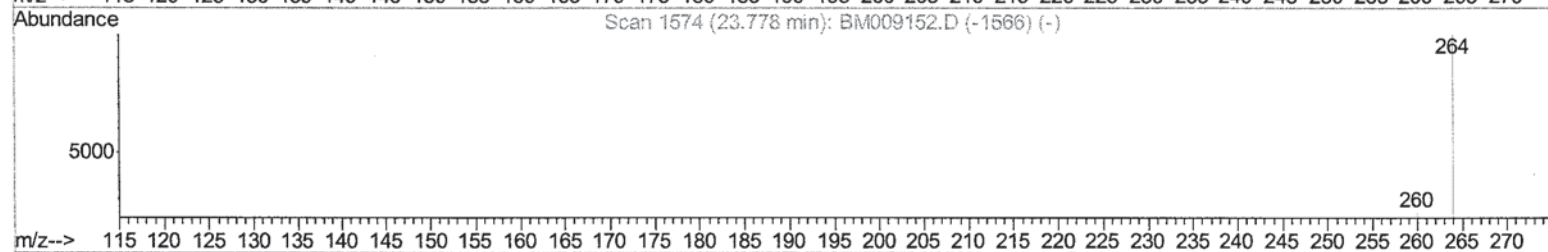
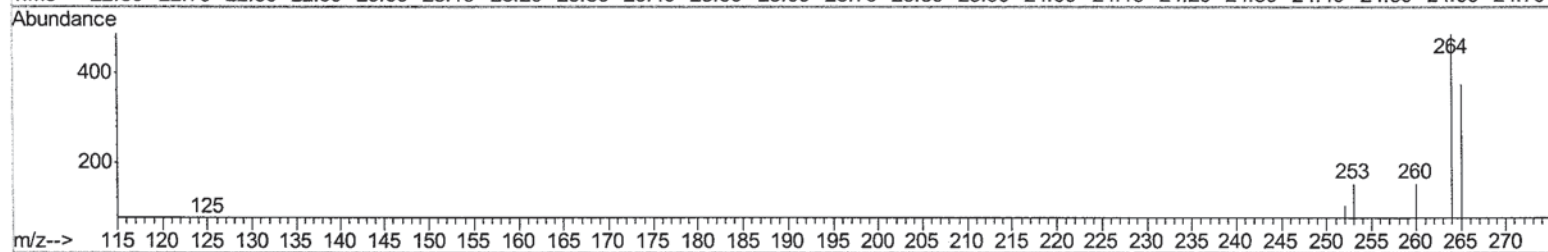
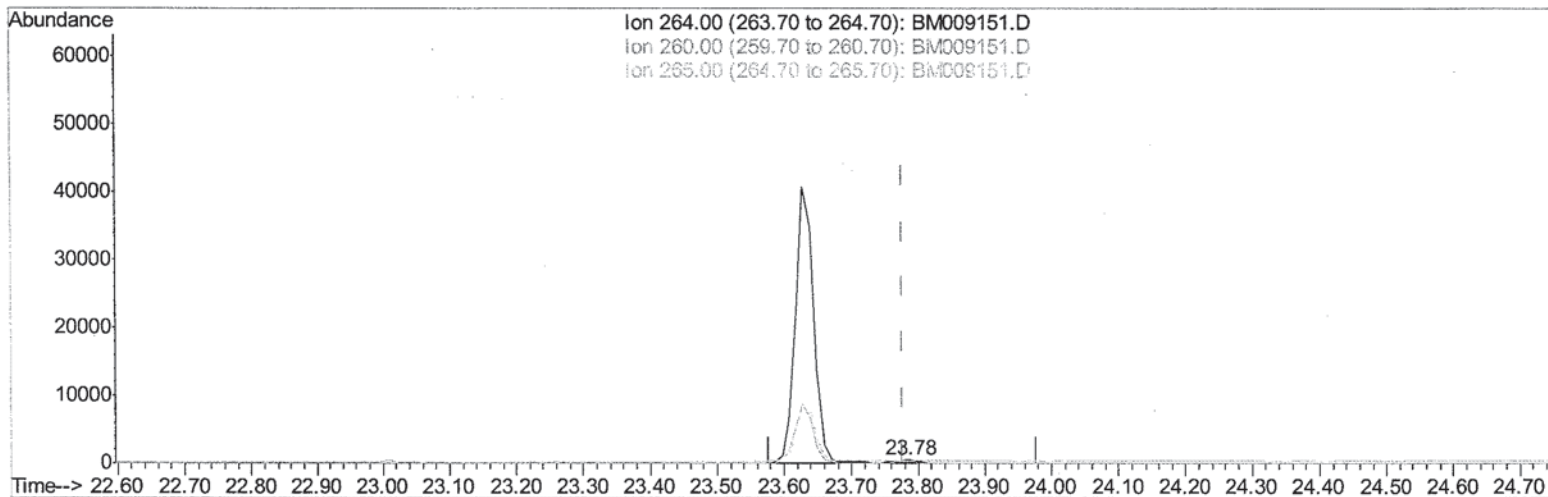
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:49:35 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(20) Perylene-d12 (I)

23.785min (+0.007) 0.40ng/ul m

SJ 3/13/17

response 833

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.15
265.00	103.50	76.84#
0.00	0.00	0.00

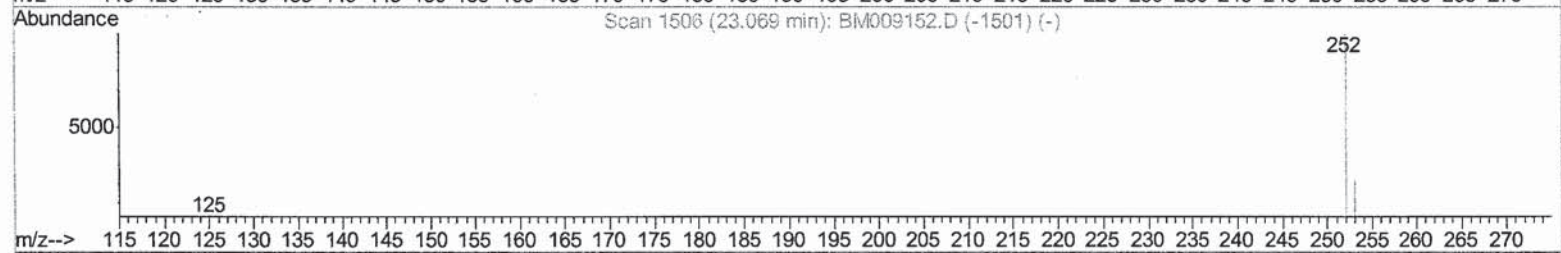
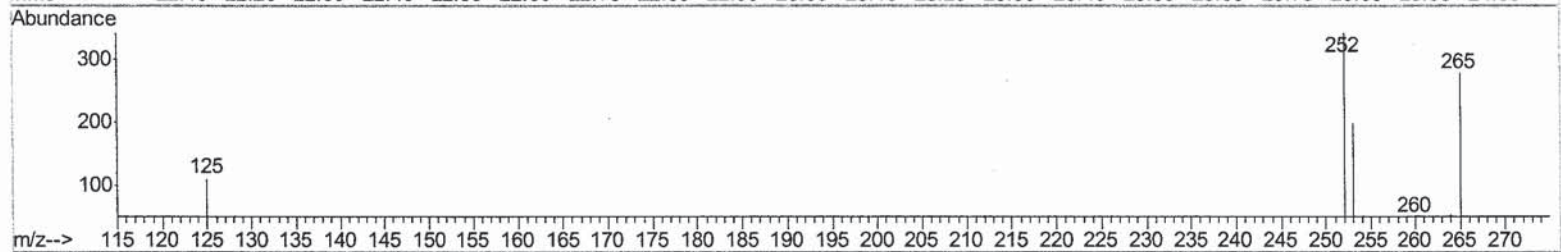
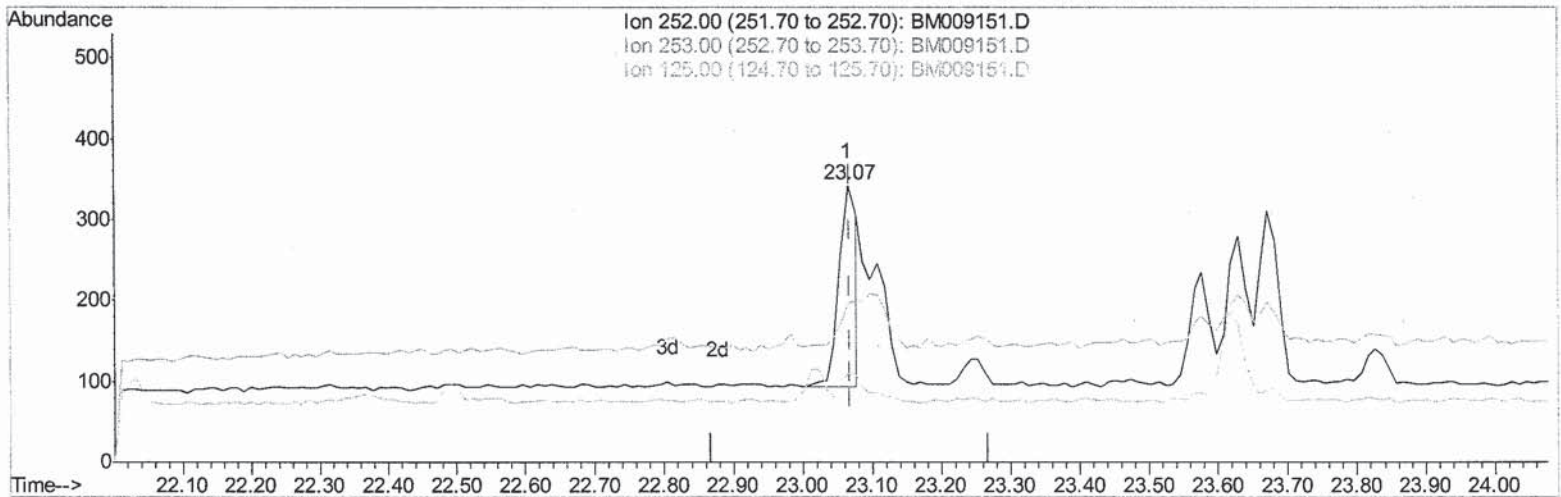
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(21) Benzo(b)fluoranthene
23.066min (-0.003) 0.13ng/ul
response 435

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	57.89
125.00	17.50	32.16
0.00	0.00	0.00

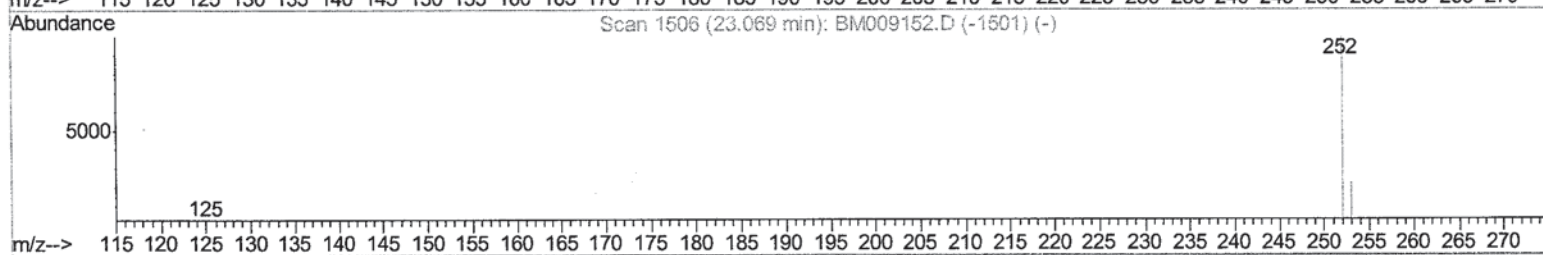
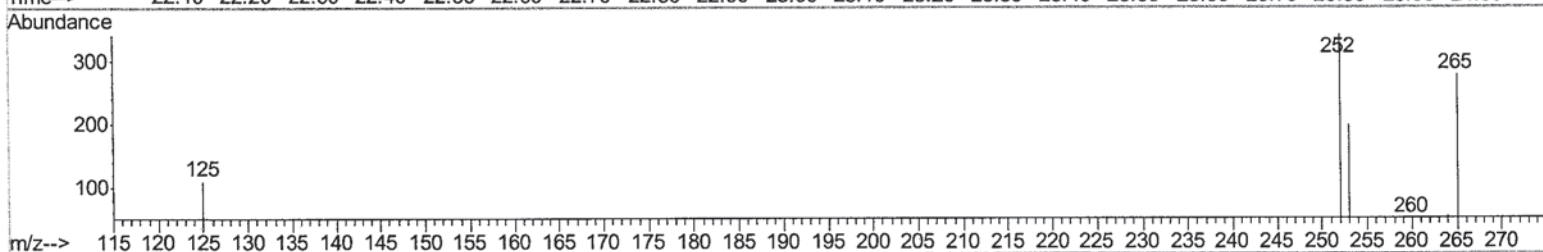
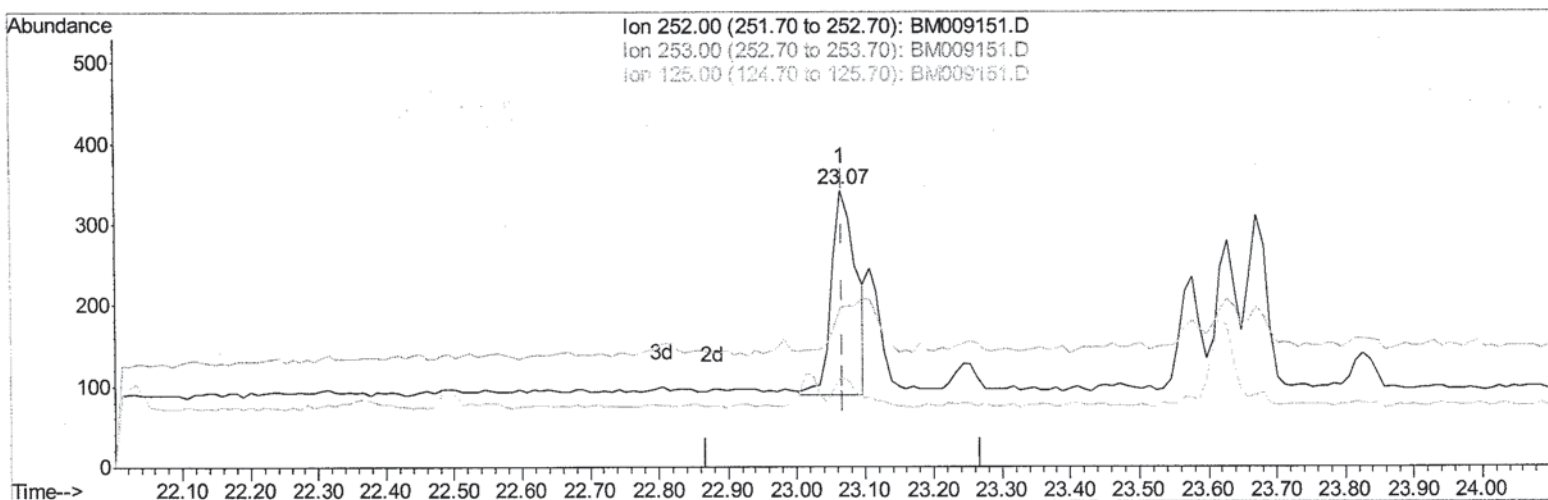
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(21) Benzo(b)fluoranthene

23.066min (-0.003) 0.19ng/ul m

SJ 3/13/17

response 637

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	57.89
125.00	17.50	32.16
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

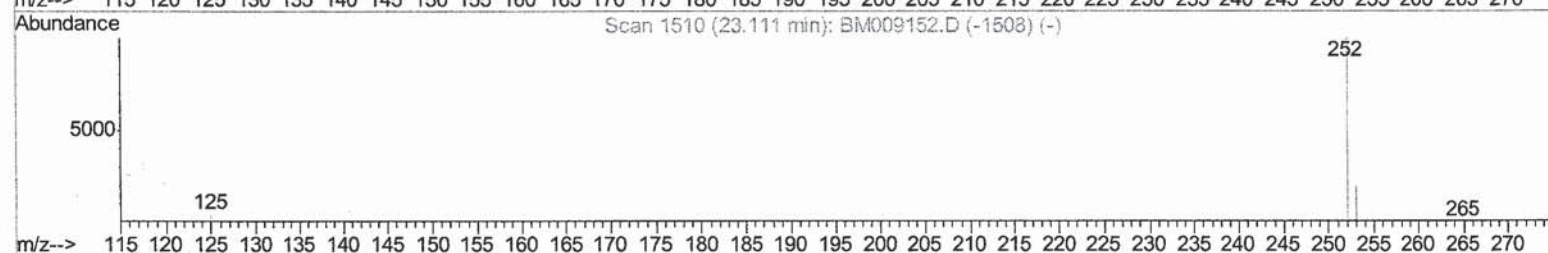
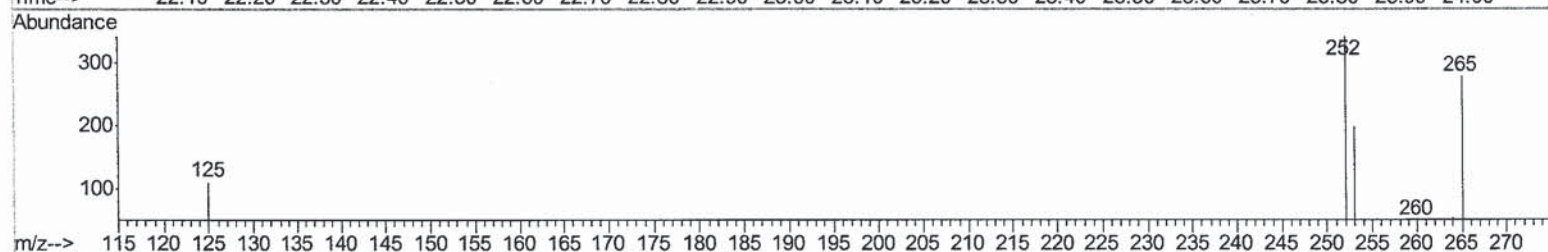
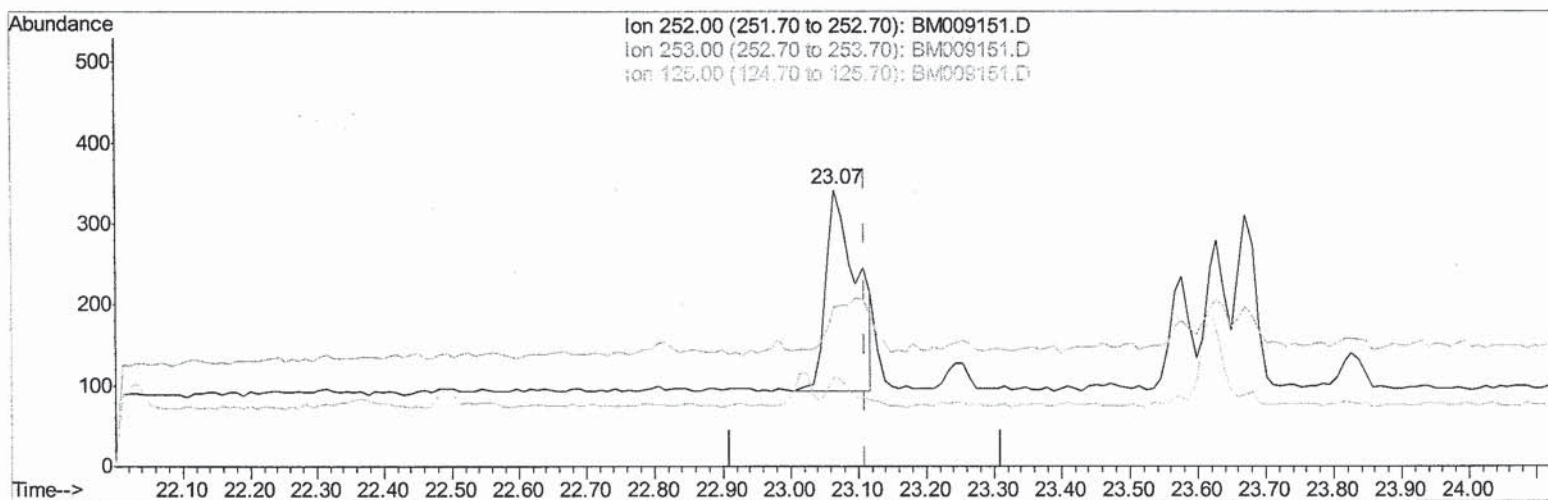
Quant Time: Mar 10 09:50:50 2017

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 03:16:46 2017

Response via : Initial Calibration



TIC: BM009151.D

(22) Benzo(k)fluoranthene

23.066min (-0.045) 0.27ng/ul

response 786

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	57.89#
125.00	17.10	32.16#
0.00	0.00	0.00

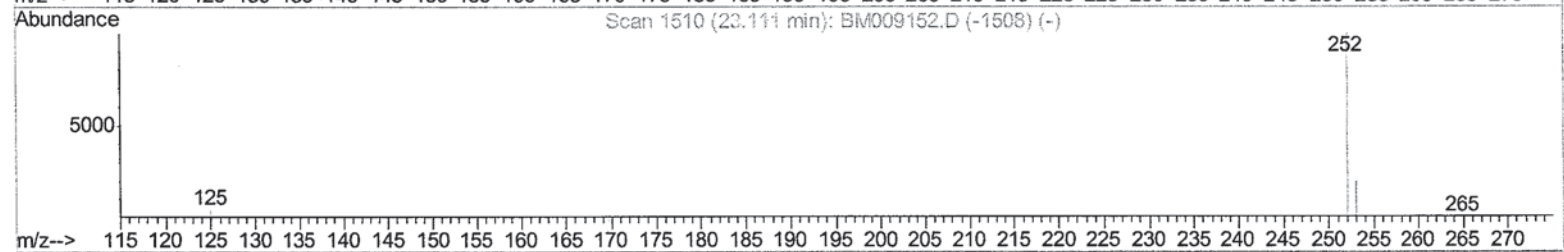
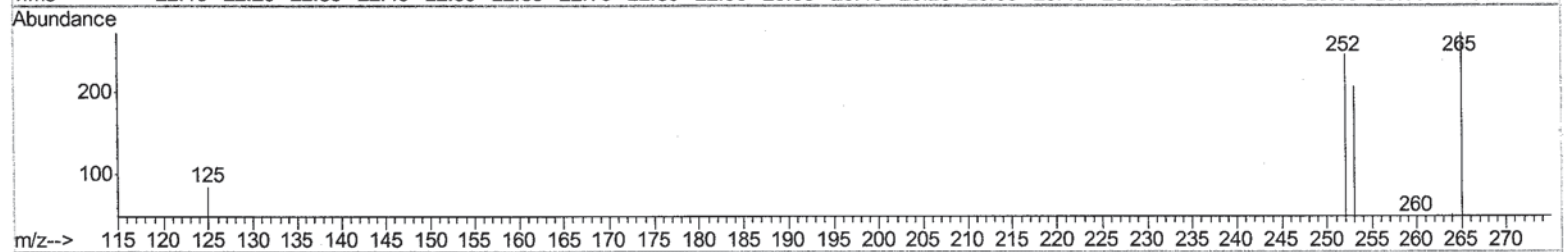
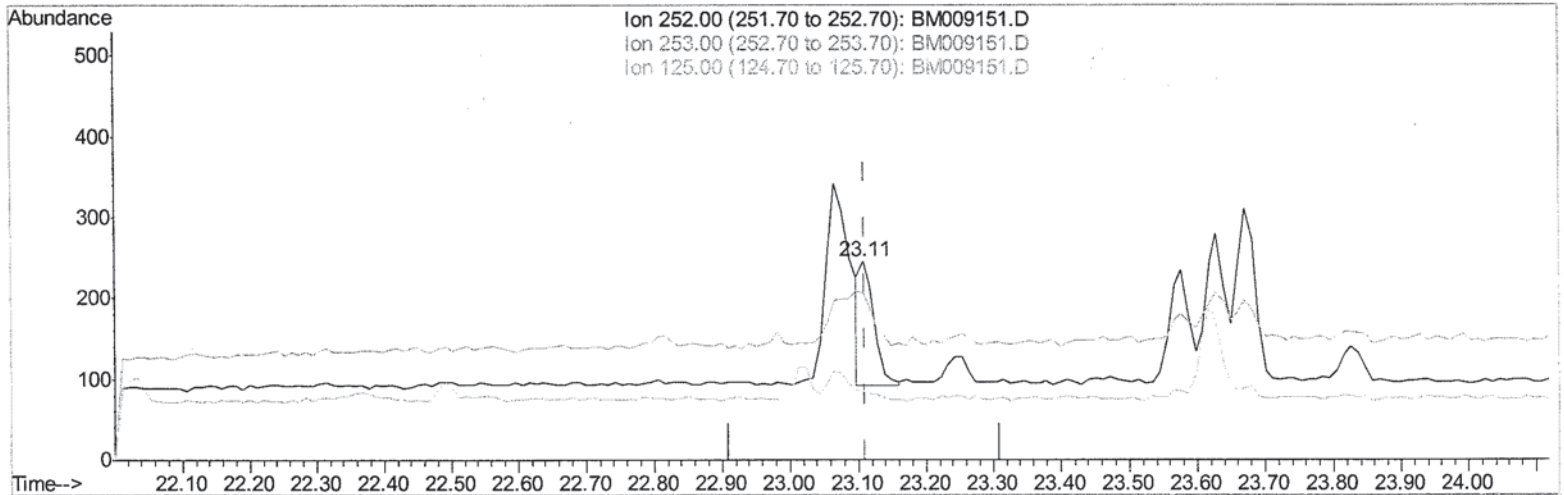
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(22) Benzo(k)fluoranthene

23.107min (-0.003) 0.08ng/ul m

SJ 3/13/17

response 223

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	84.08#
125.00	17.10	34.69#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

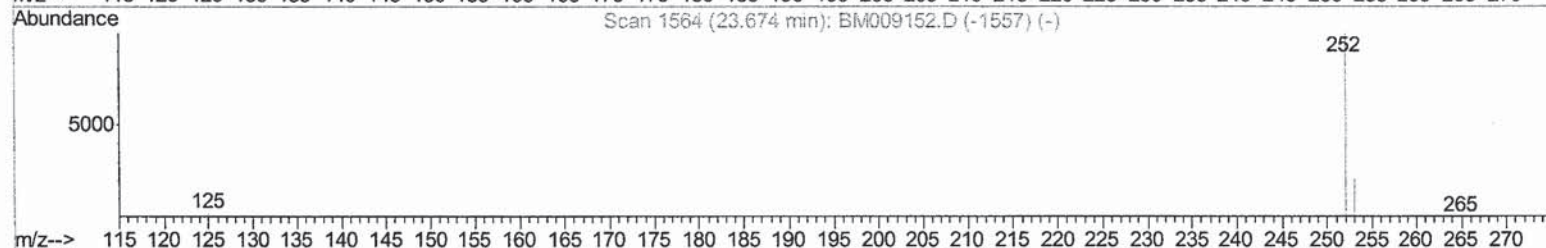
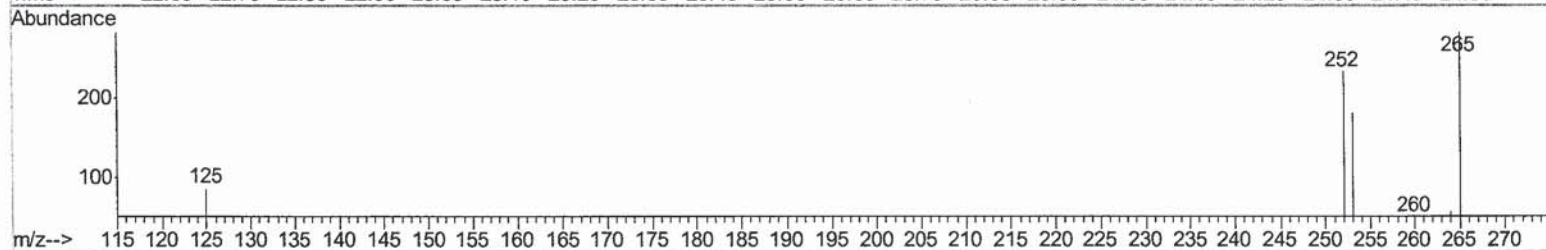
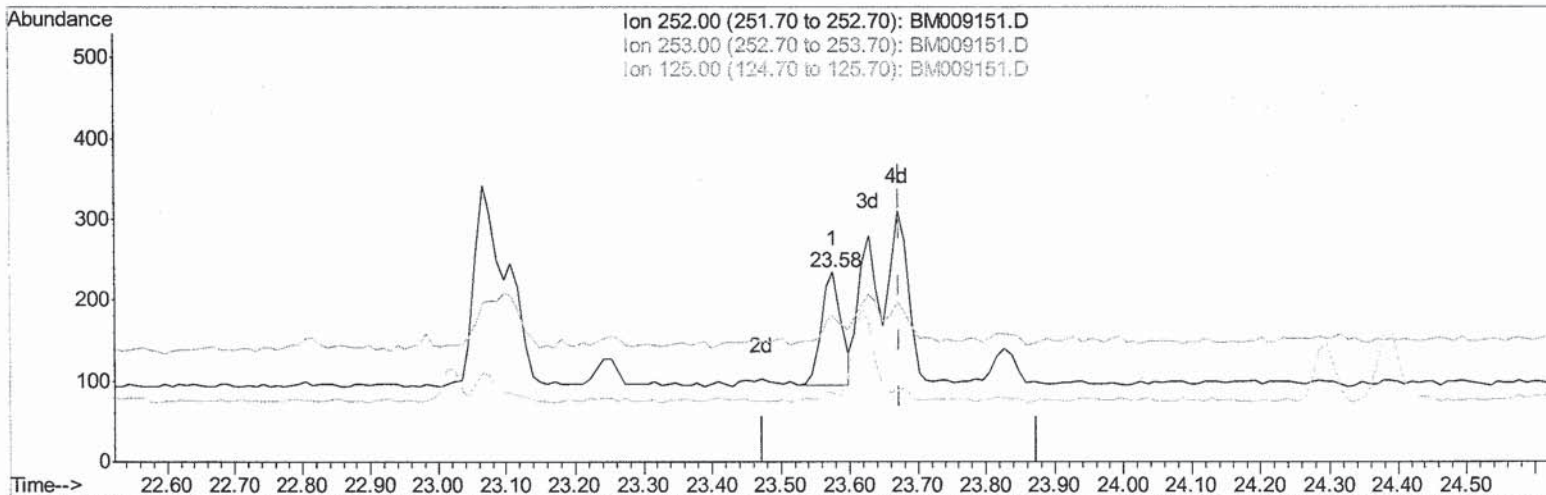
Quant Time: Mar 10 09:50:50 2017

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 03:16:46 2017

Response via : Initial Calibration



TIC: BM009151.D

(23) Benzo(a)pyrene (C)

23.576min (-0.097) 0.10ng/ul

response 282

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	77.35#
125.00	22.60	36.75#
0.00	0.00	0.00

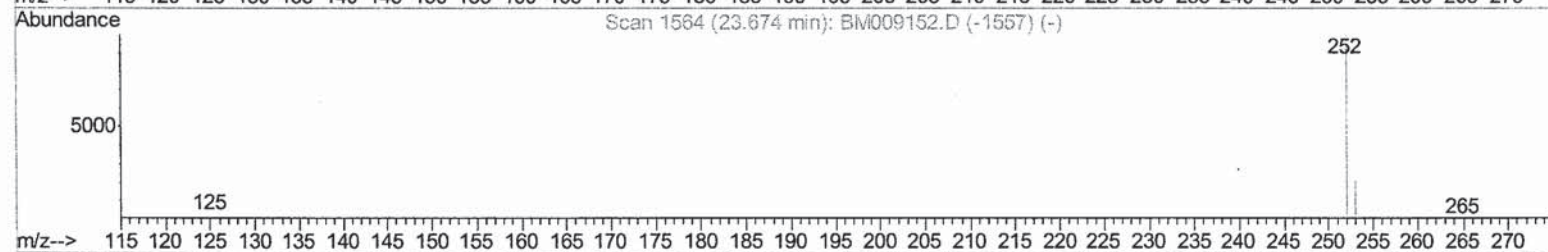
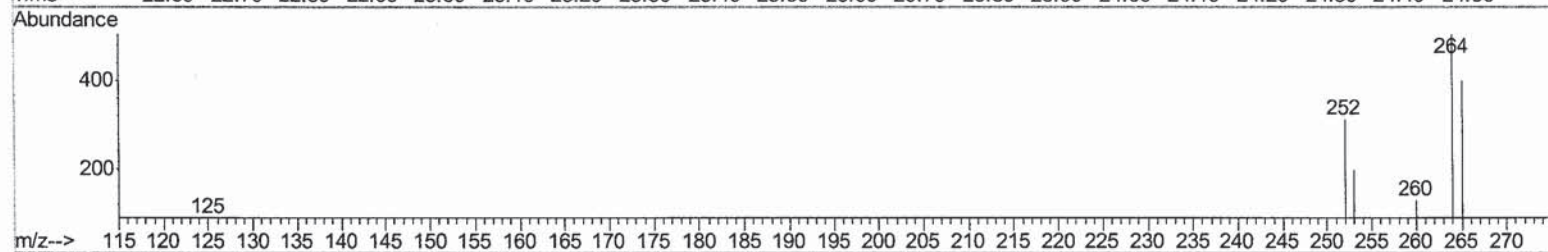
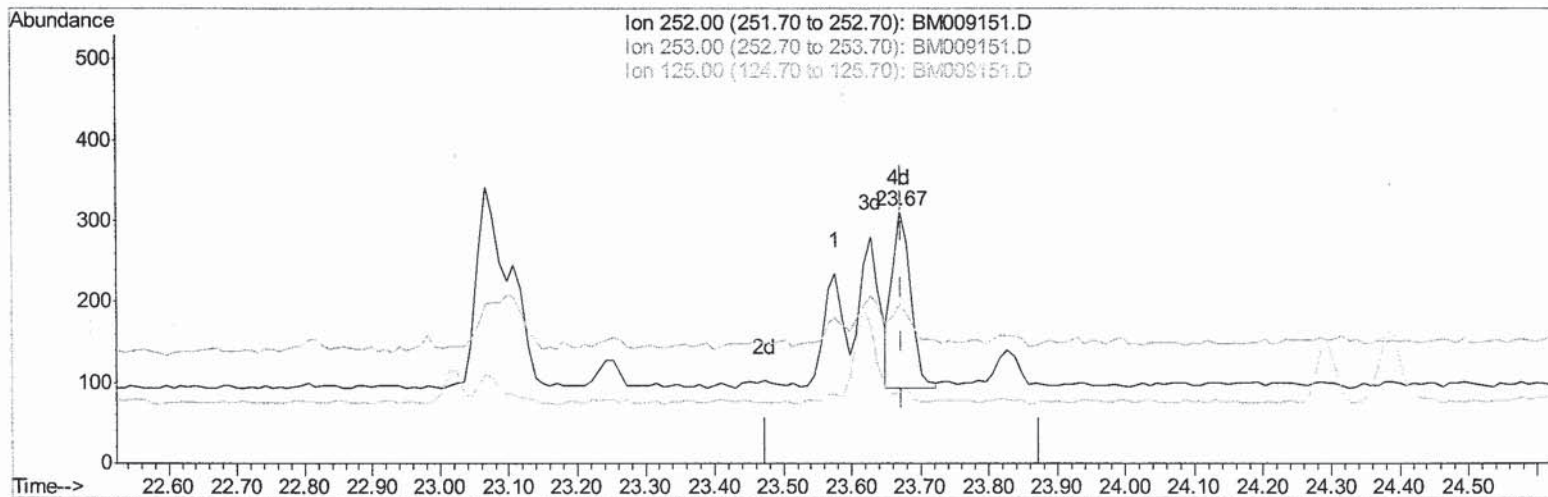
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

(23) Benzo(a)pyrene (C)

23.670min (-0.003) 0.14ng/ul m

SJ 3/13/17

response 407

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	63.67#
125.00	22.60	28.30#
0.00	0.00	0.00

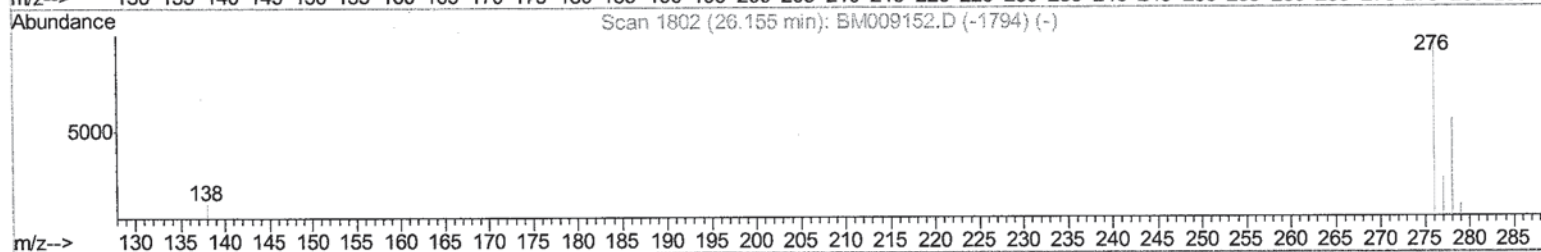
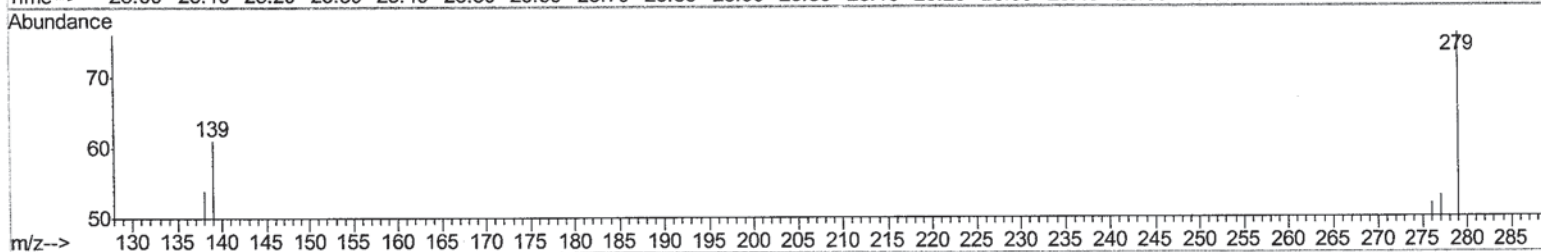
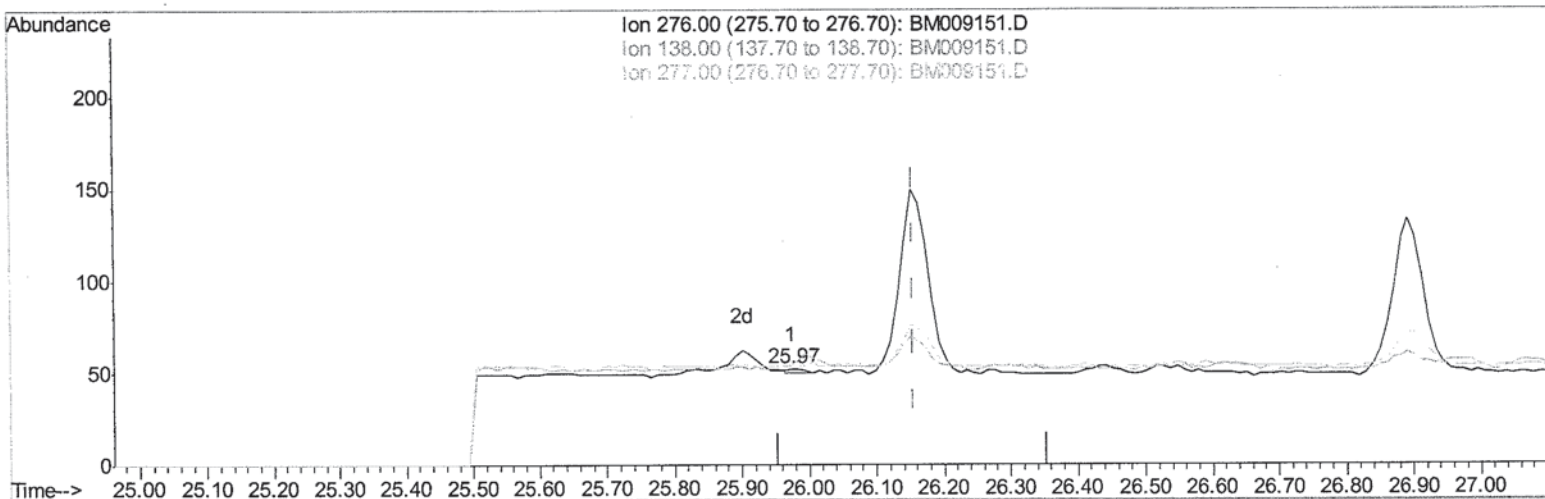
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

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

25.974min (-0.180) 0.00ng/ul

response 3

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\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

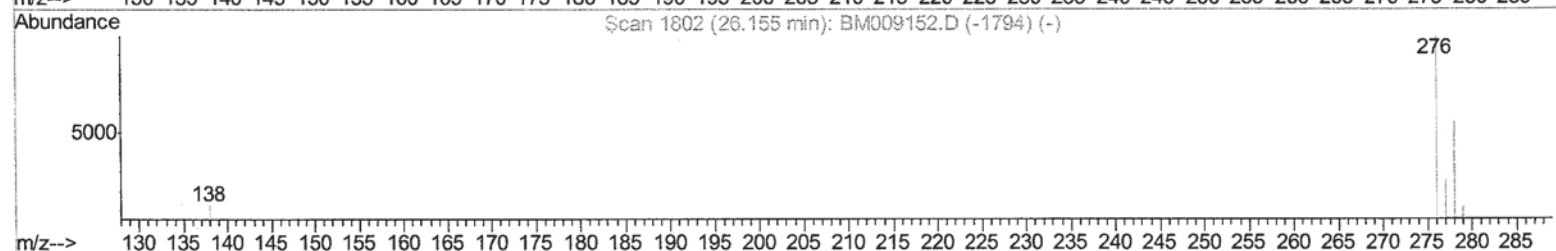
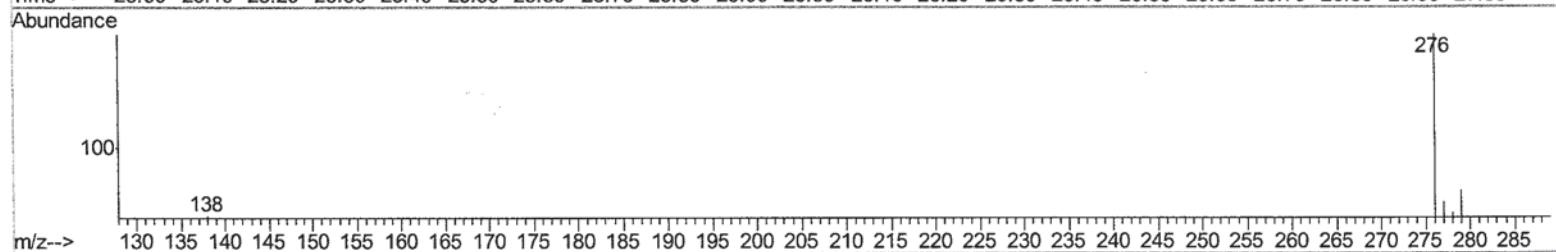
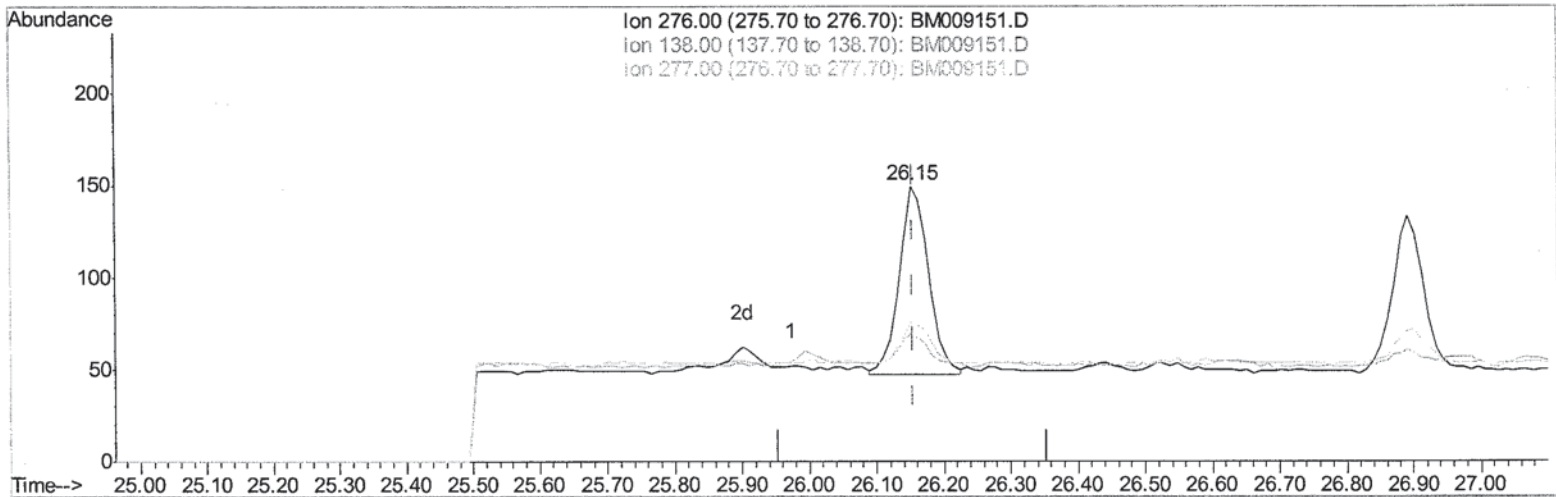
Quant Time: Mar 10 09:50:50 2017

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 03:16:46 2017

Response via : Initial Calibration



TIC: BM009151.D

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

26.151min (-0.003) 0.08ng/ul m

SJ 3/13/17

response 315

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

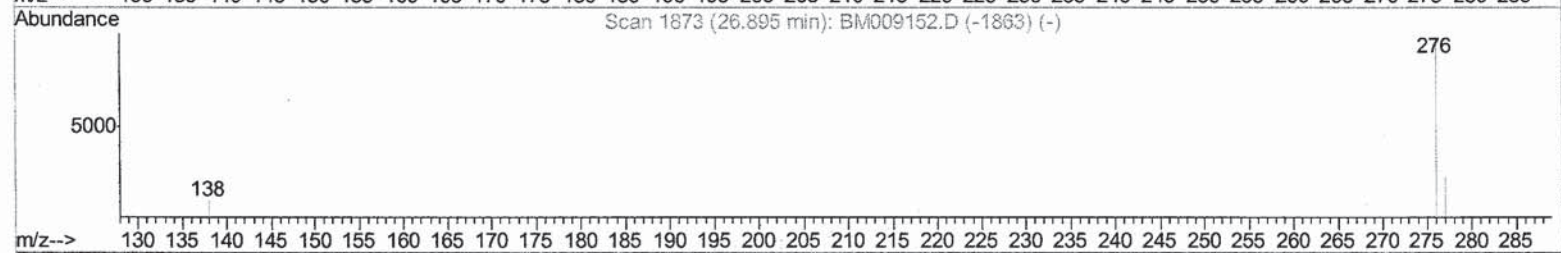
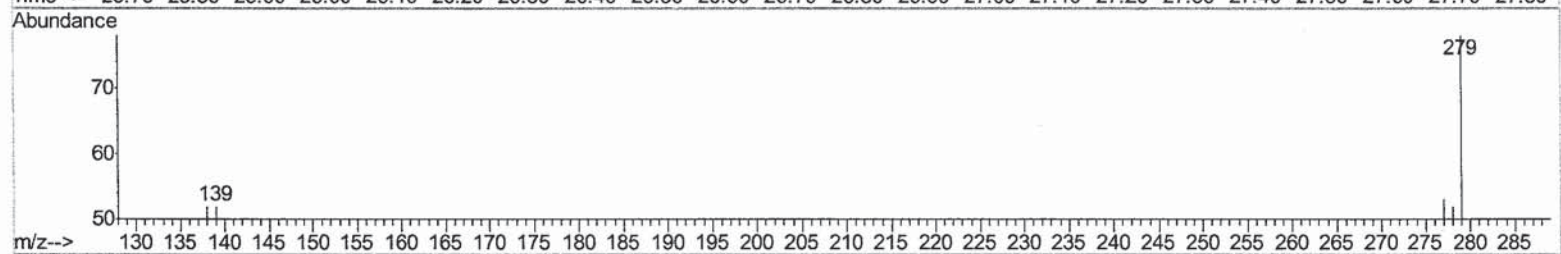
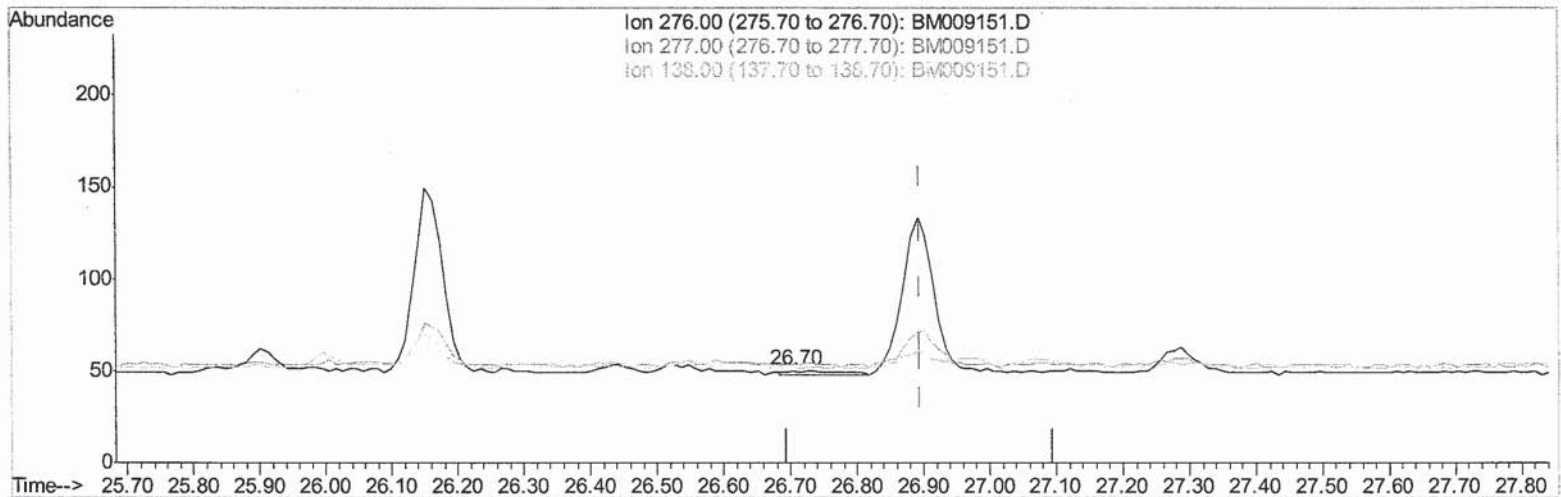
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
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mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

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

26.704min (-0.191) 0.00ng/ul

response 9

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	106.00#
138.00	25.60	104.00#
0.00	0.00	0.00

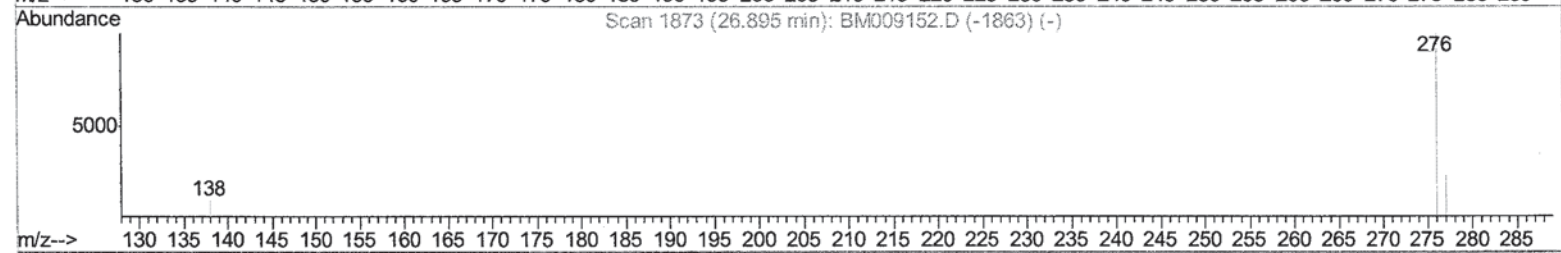
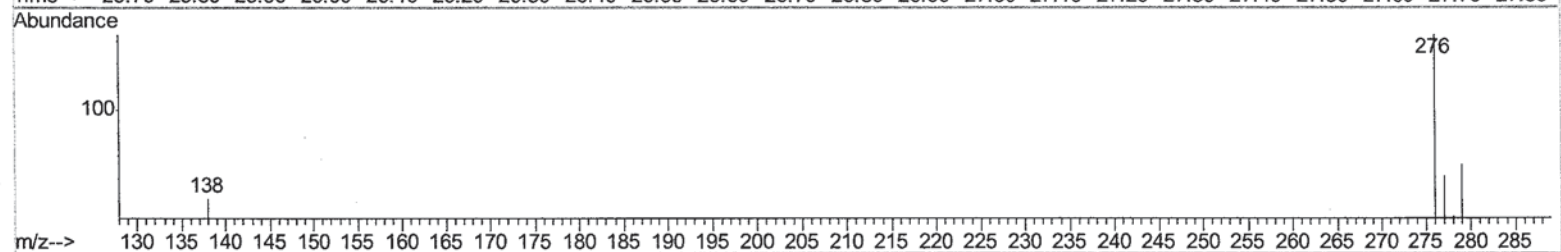
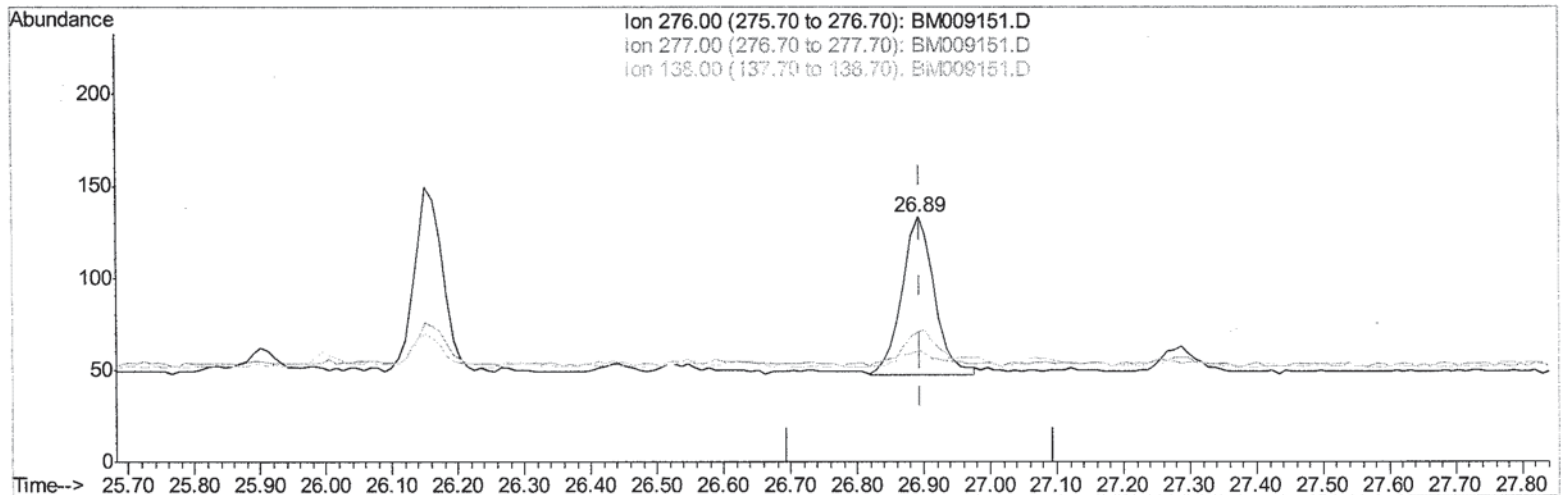
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

Quant Time: Mar 10 09:50:50 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 03:16:46 2017
Response via : Initial Calibration



TIC: BM009151.D

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

26.891min (-0.003) 0.09ng/ul m

SJ 3/13/17

response 291

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	53.38#
138.00	25.60	45.86#
0.00	0.00	0.00

Quantitation Report

(QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 20 09:27:10 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Mar 10 03:16:46 2017

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

C0AJ6

Manual Integrations

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3/10/2017 6:01:15 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	180	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	579	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	362	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	833m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	967	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	833m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	284	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	859	0.33	ng/ul	0.00
Target Compounds						
12) Phenanthrene	17.30	178	545m	0.21	ng/ul	Qvalue
13) Anthracene	17.40	178	157	0.06	ng/ul#	39
15) Fluoranthene	19.33	202	767	0.22	ng/ul	88
17) Pyrene	19.69	202	871	0.26	ng/ul#	89
18) Benzo(a)anthracene	21.42	228	456	0.14	ng/ul#	75
19) Chrysene	21.47	228	408	0.13	ng/ul#	71
21) Benzo(b)fluoranthene	23.07	252	637m	0.19	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	223m	0.08	ng/ul	
23) Benzo(a)pyrene	23.67	252	407m	0.14	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	315m	0.08	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	291m	0.09	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009151.D
Acq On : 09 Mar 2017 18:33
Operator : SJ/MA
Sample : I2069-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 20 09:27:10 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Mar 10 03:16:46 2017

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampled :

C0AJ6

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:15 PM

