

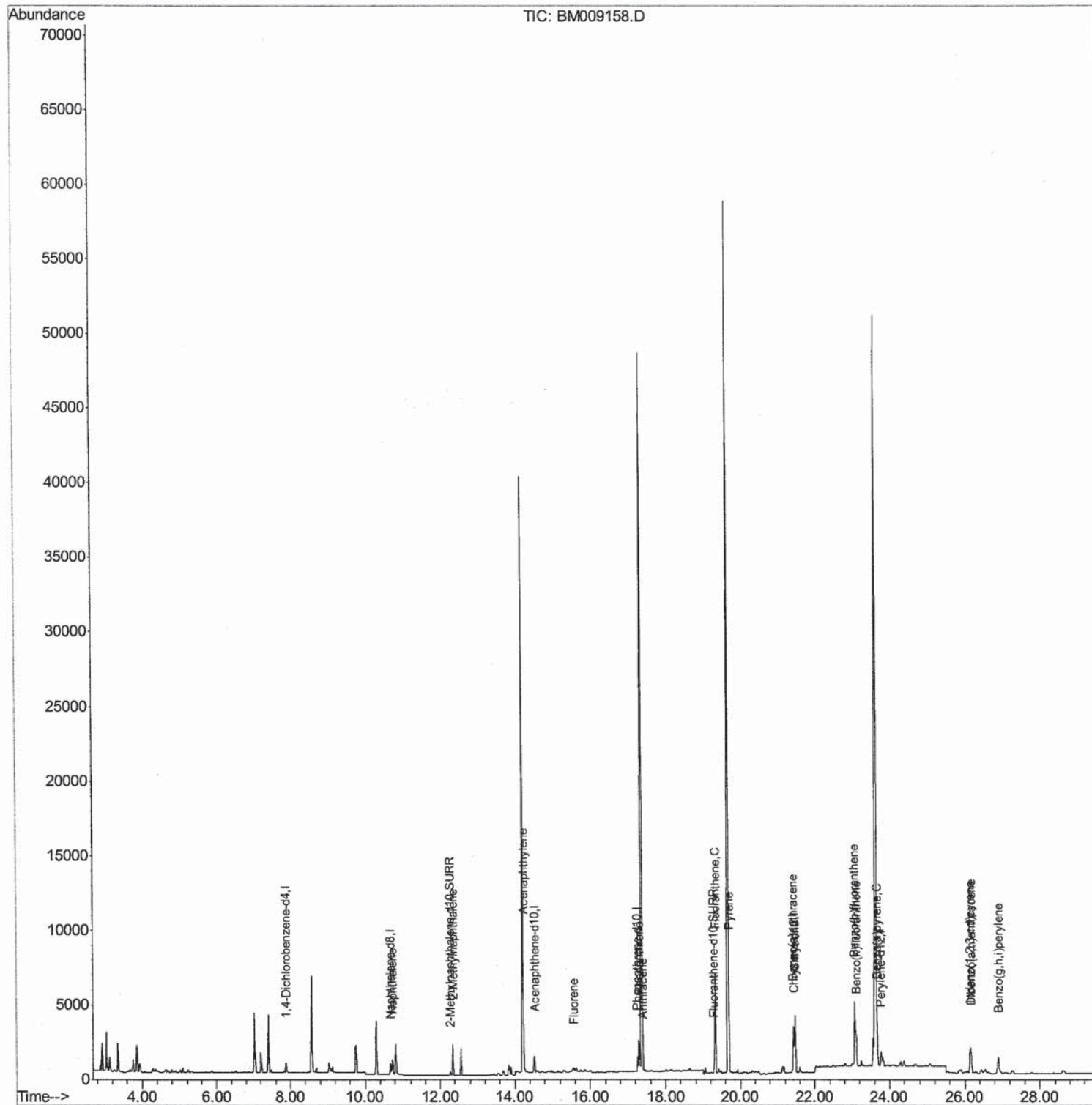
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:38 PM

Quant Time: Mar 10 03:49:02 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



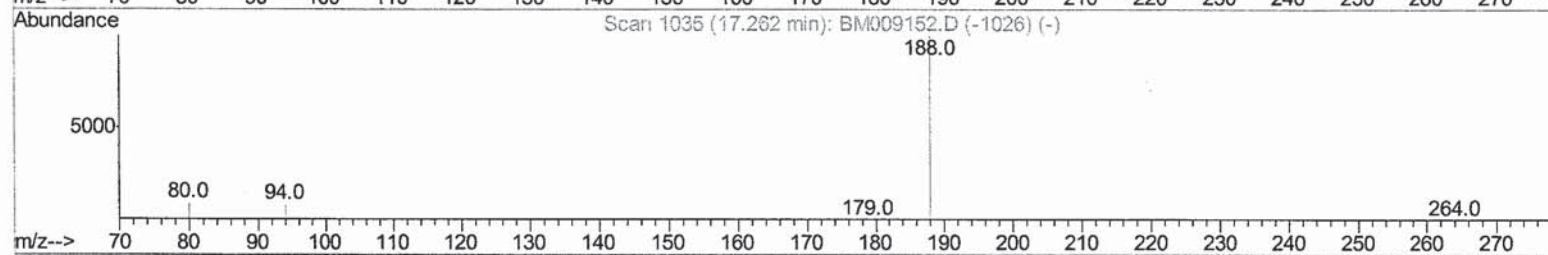
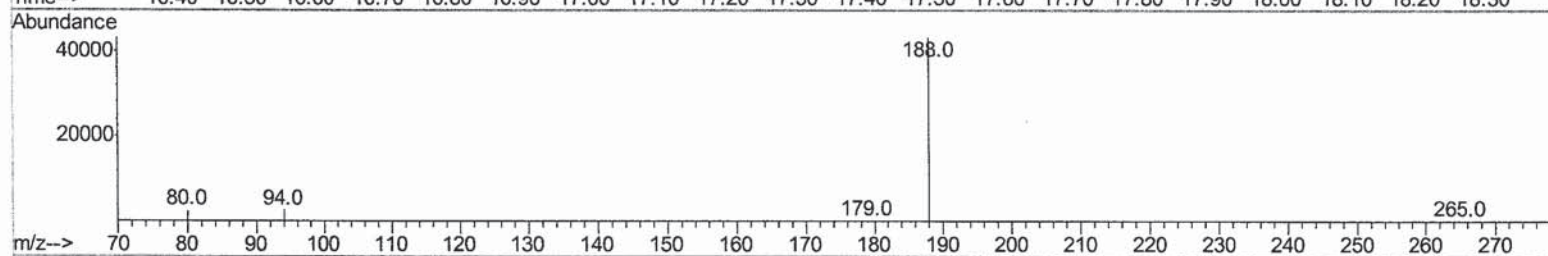
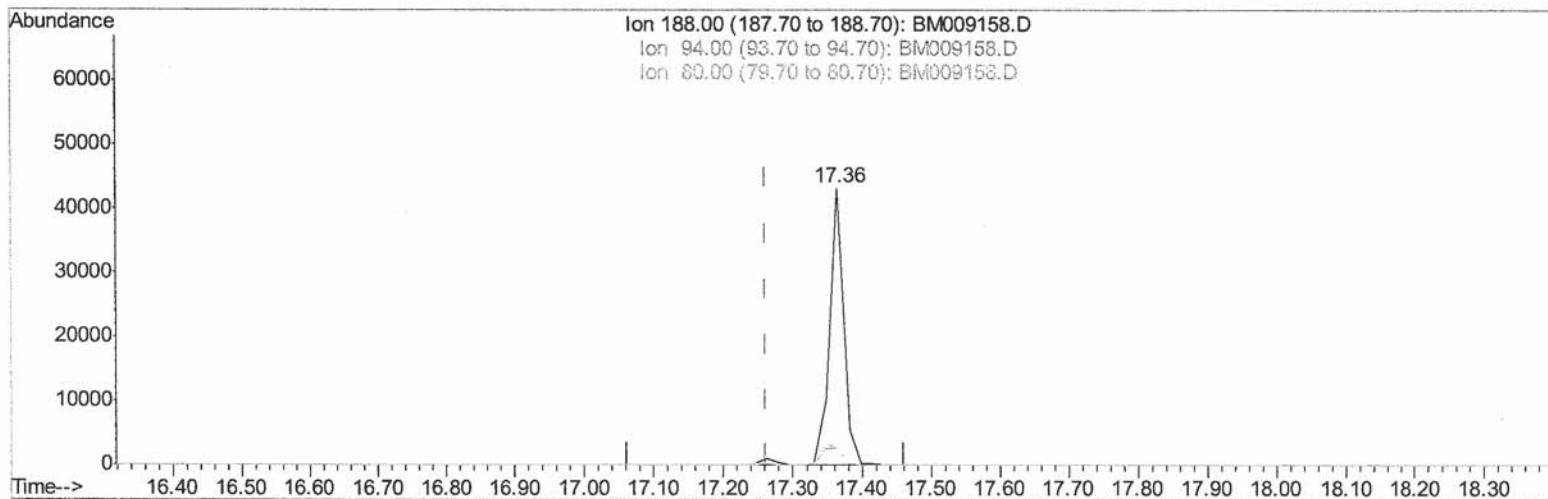
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
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Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:38 PM

Quant Time: Mar 10 03:17:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
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TIC: BM009158.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 60610

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.04#
80.00	11.80	5.72#
0.00	0.00	0.00

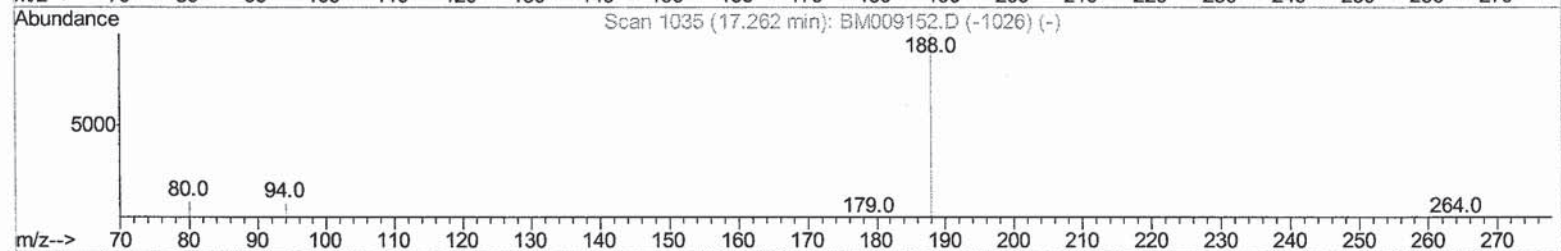
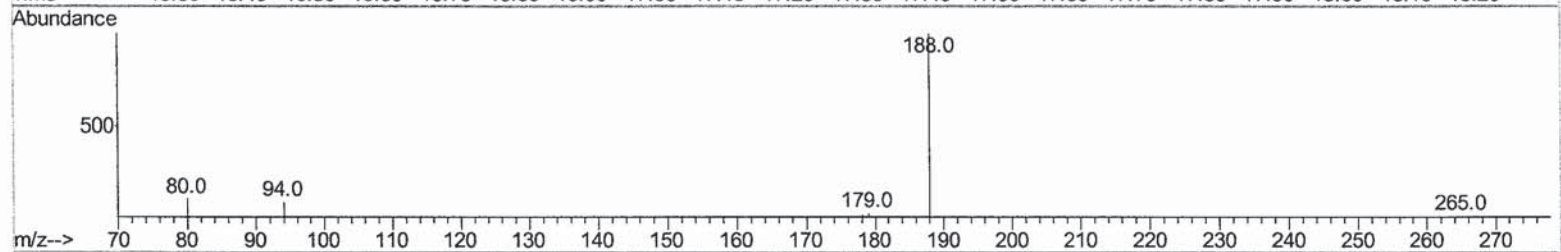
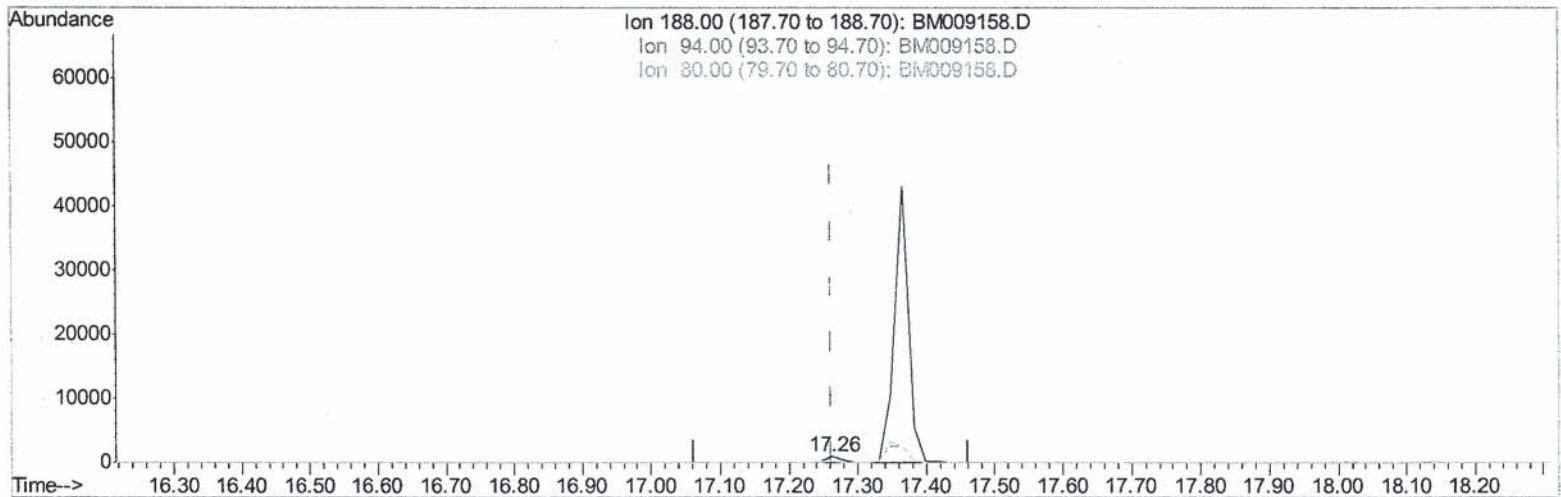
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Mar 10 03:17:40 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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TIC: BM009158.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

SJ 3/13/17

response 1486

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.73
80.00	11.80	14.60#
0.00	0.00	0.00

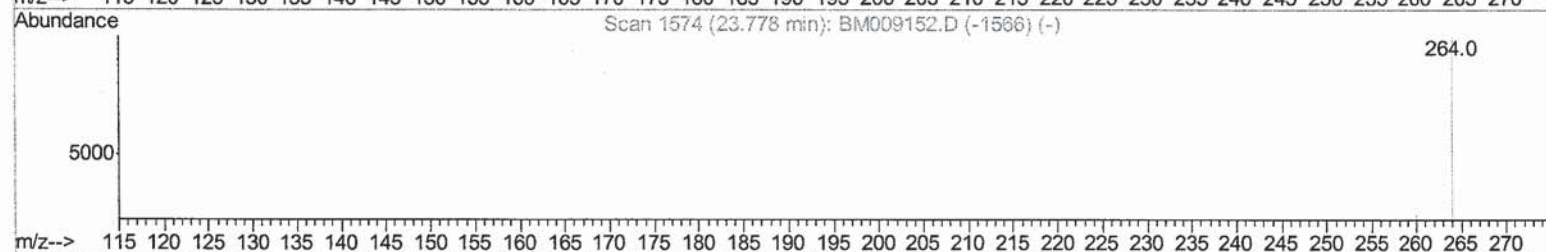
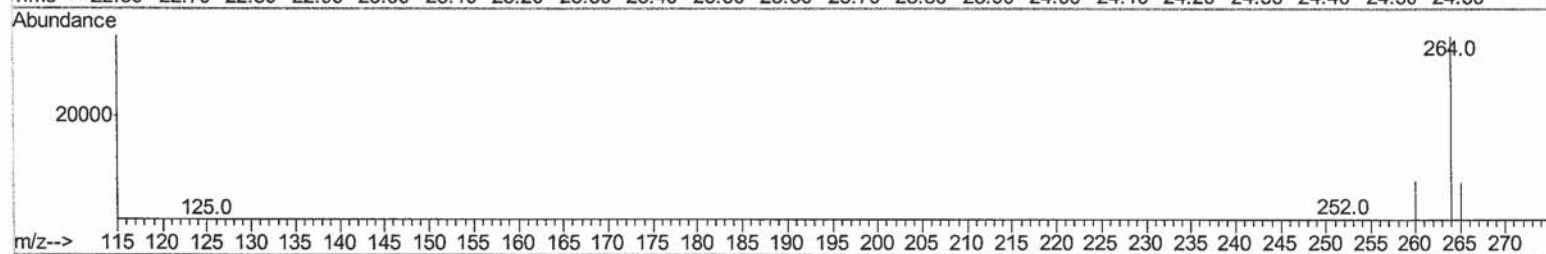
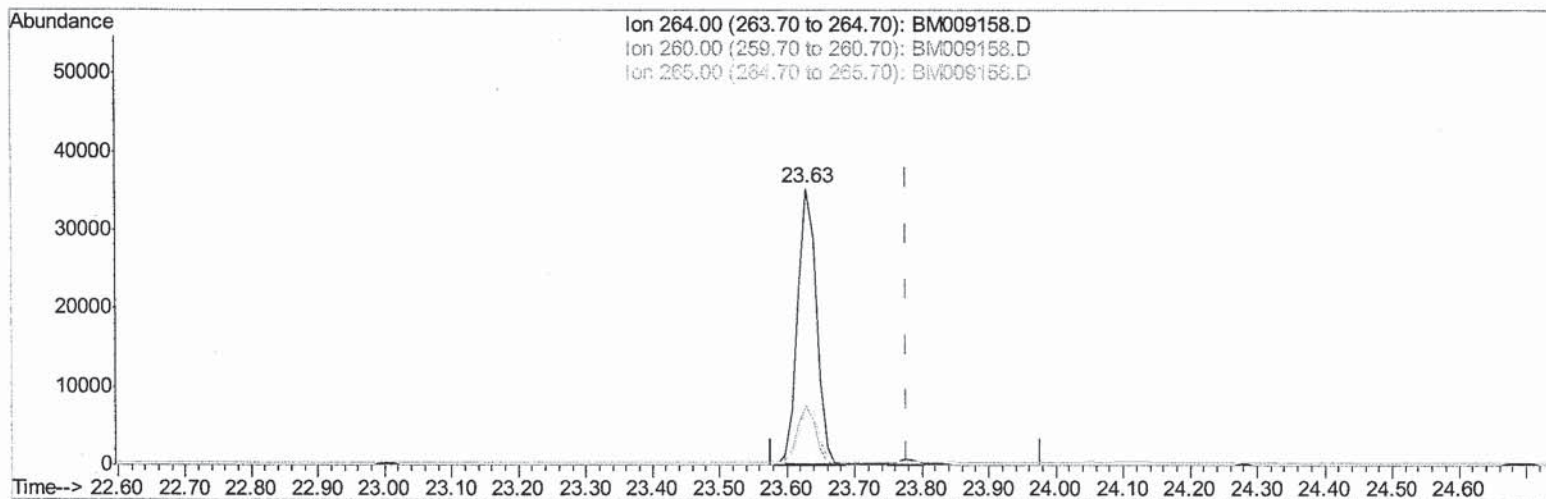
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Mar 10 03:17:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009158.D

(20) Perylene-d12 (I)

23.629min (-0.149) 0.40ng/ul

response 66648

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.59#
265.00	103.50	21.41#
0.00	0.00	0.00

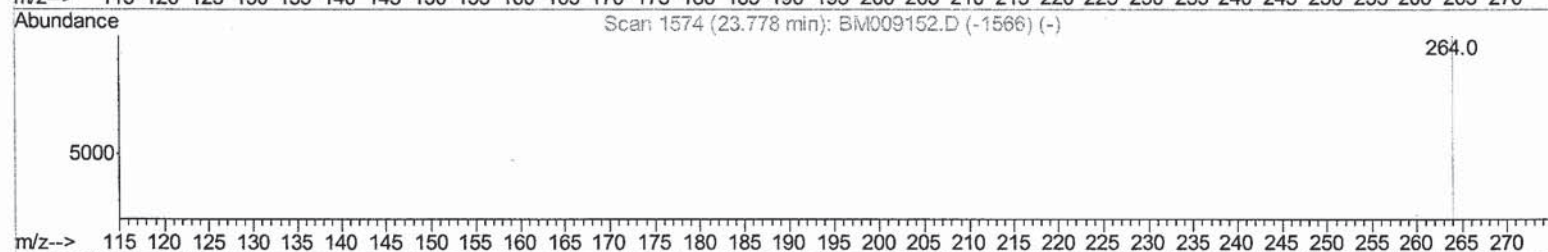
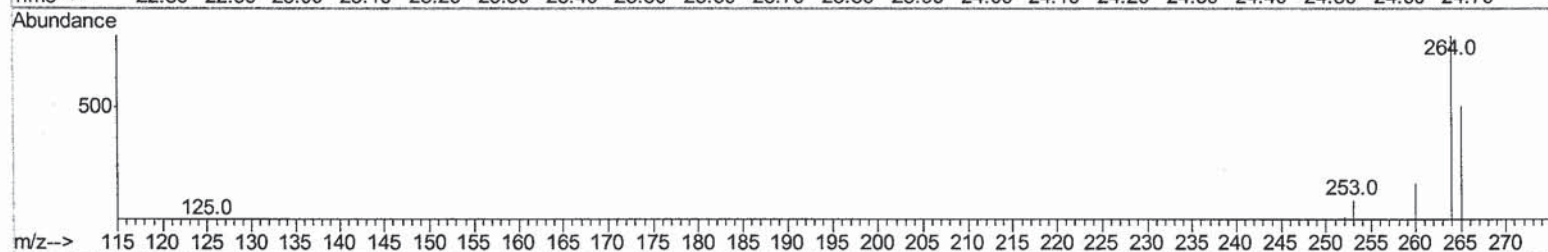
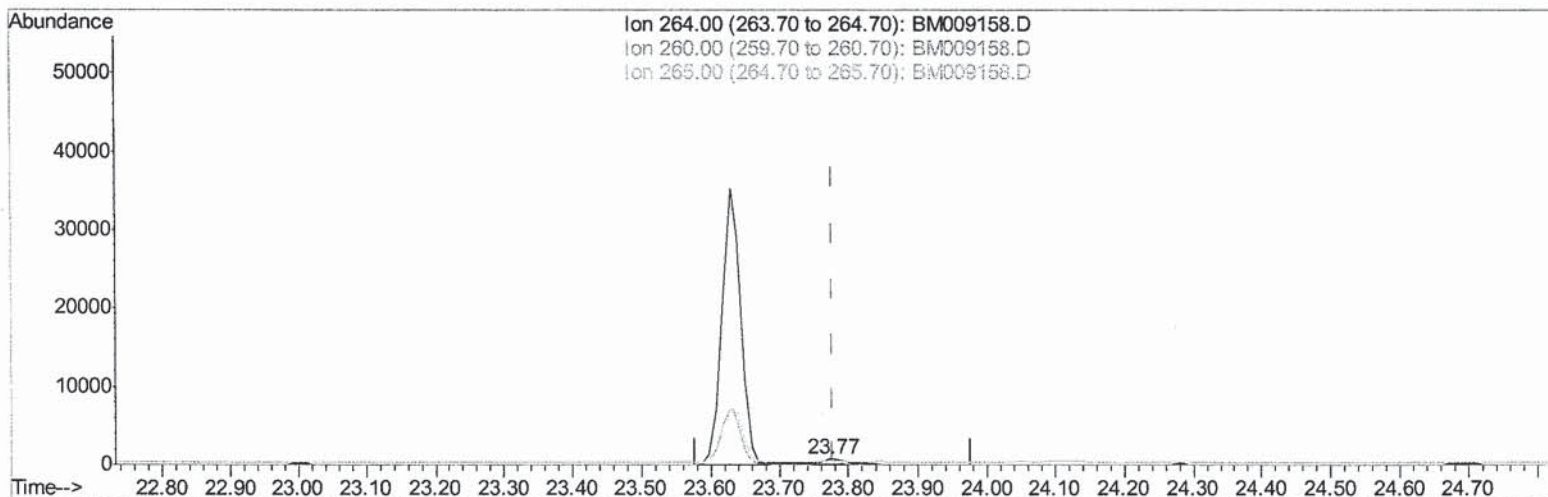
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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TIC: BM009158.D

(20) Perylene-d12 (I)

23.775min (-0.003) 0.40ng/ul m SJ 3/13/17

response 1541

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.53
265.00	103.50	67.47#
0.00	0.00	0.00

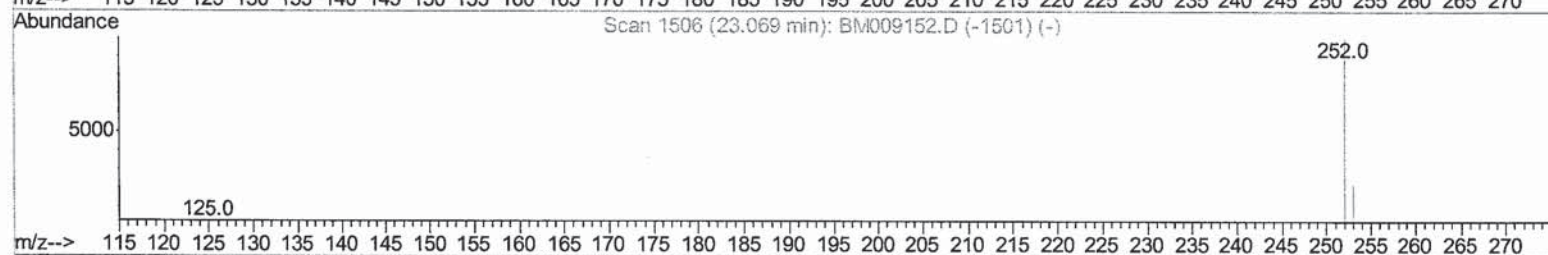
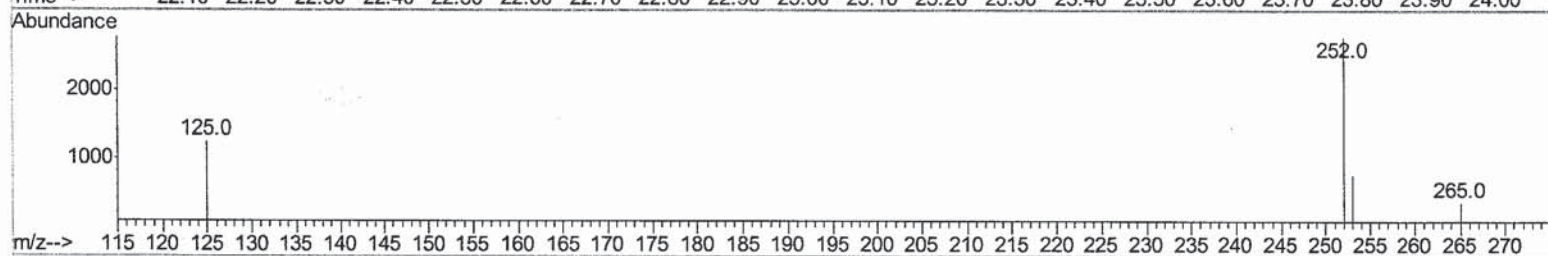
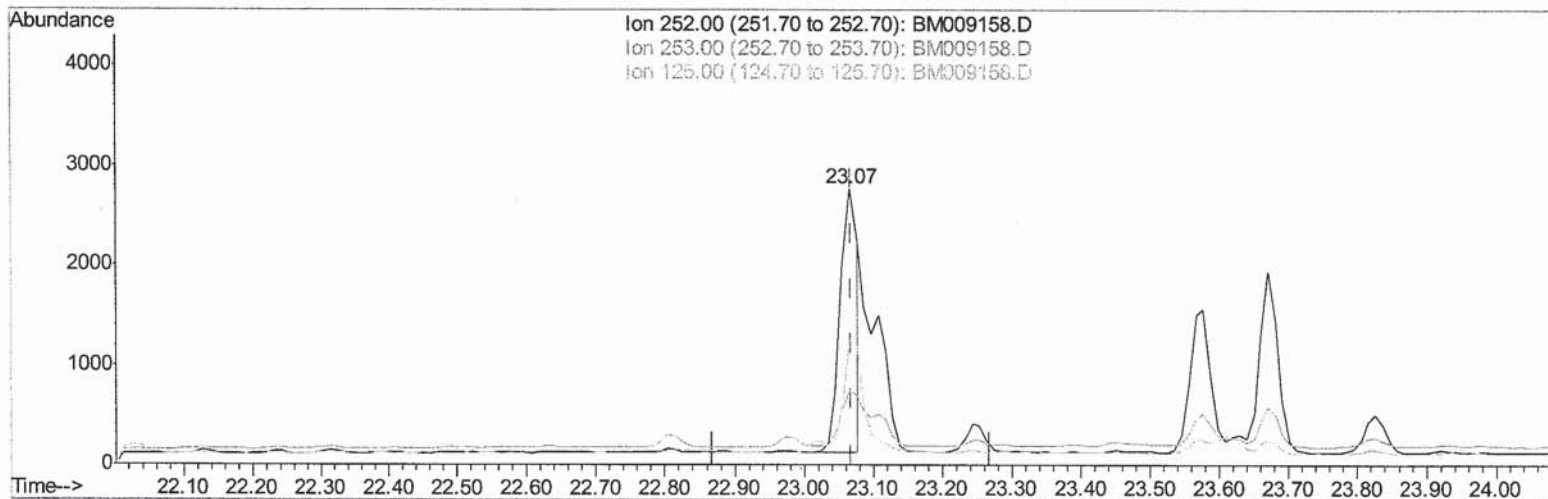
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
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Quant Time: Mar 10 03:47:09 2017
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TIC: BM009158.D

(21) Benzo(b)fluoranthene

23.066min (-0.003) 0.76ng/ul

response 4600

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.91
125.00	17.50	44.85#
0.00	0.00	0.00

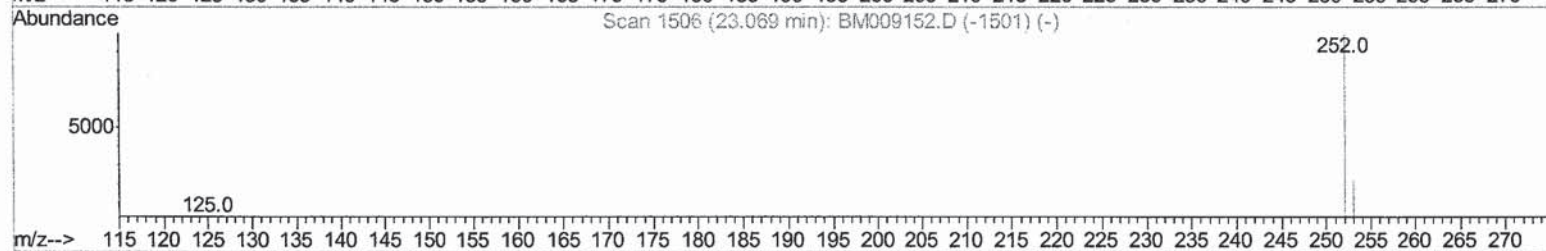
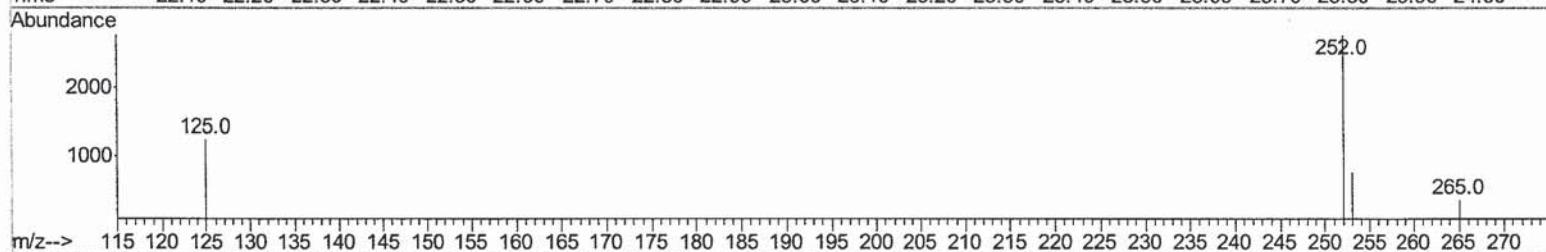
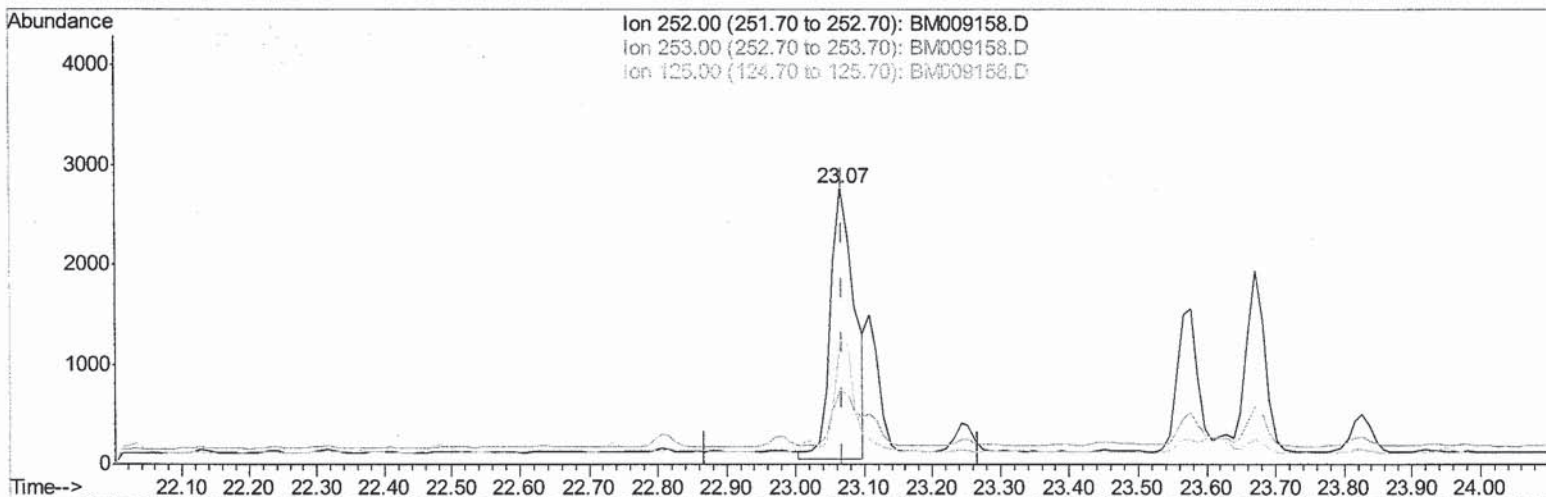
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
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Quant Time: Mar 10 03:47:09 2017
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TIC: BM009158.D

(21) Benzo(b)fluoranthene

23.066min (-0.003) 1.10ng/ul m

SJ 3/13/17

response 6635

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.91
125.00	17.50	44.85#
0.00	0.00	0.00

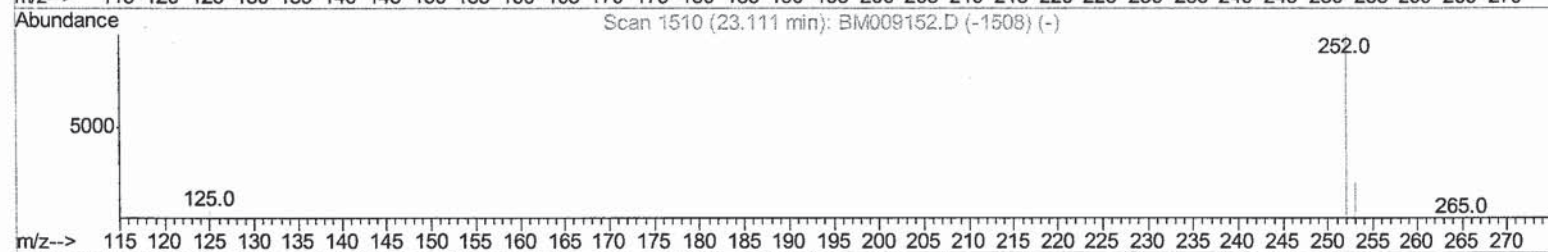
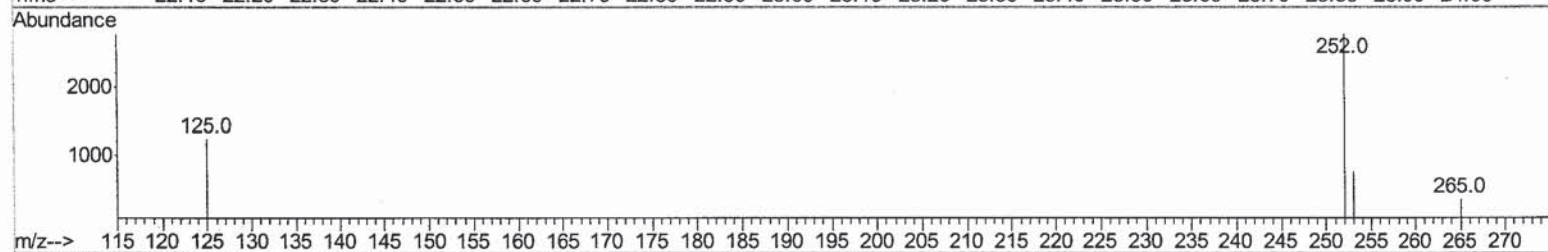
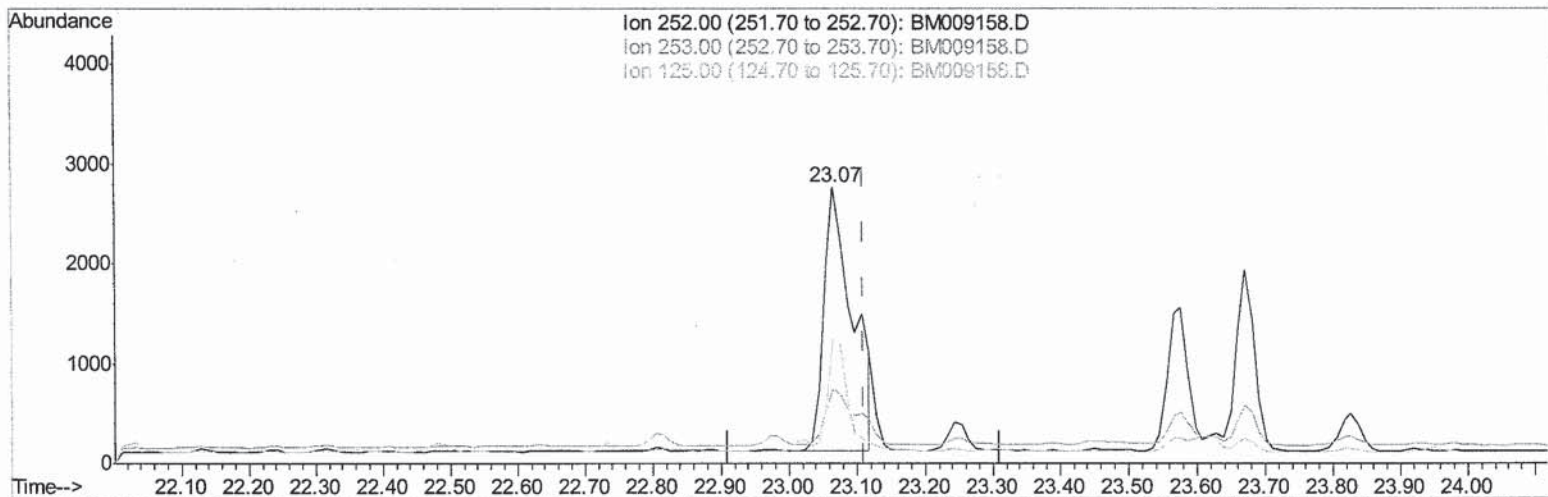
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
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Quant Time: Mar 10 03:47:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009158.D

(22) Benzo(k)fluoranthene

23.066min (-0.045) 1.45ng/ul

response 7743

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.91
125.00	17.10	44.85#
0.00	0.00	0.00

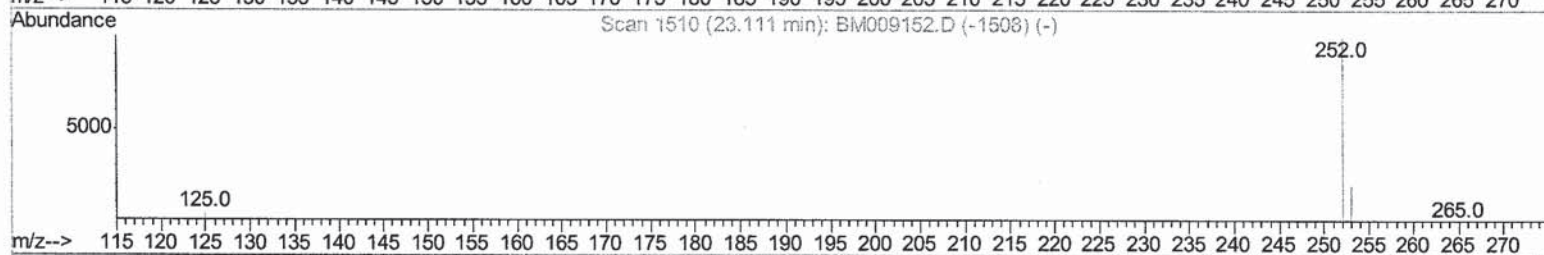
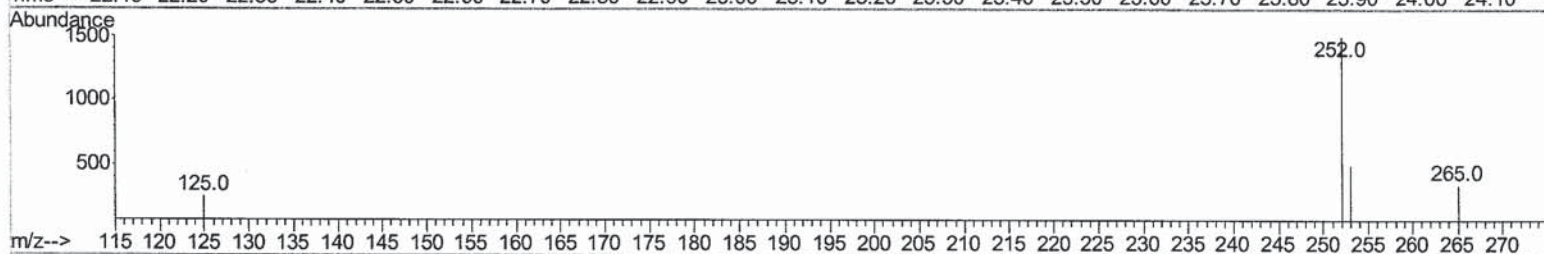
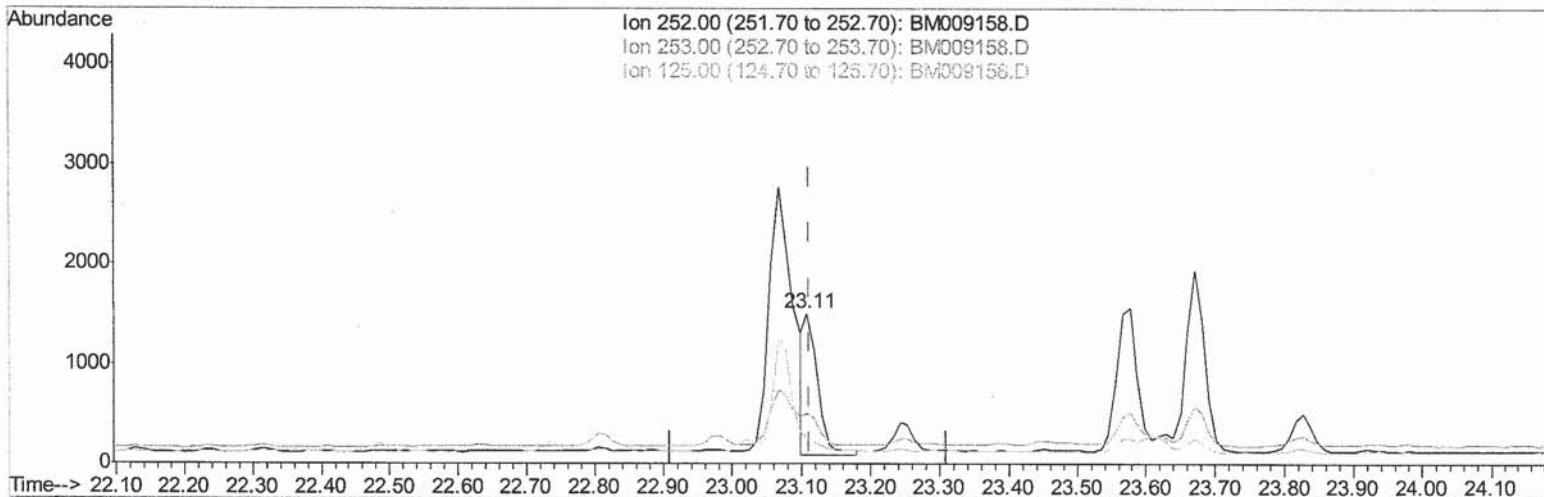
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
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Quant Time: Mar 10 03:47:09 2017
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TIC: BM009158.D

(22) Benzo(k)fluoranthene

23.107min (-0.003) 0.37ng/ul m

SJ 3/13/17

response 1992

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.58
125.00	17.10	16.92
0.00	0.00	0.00

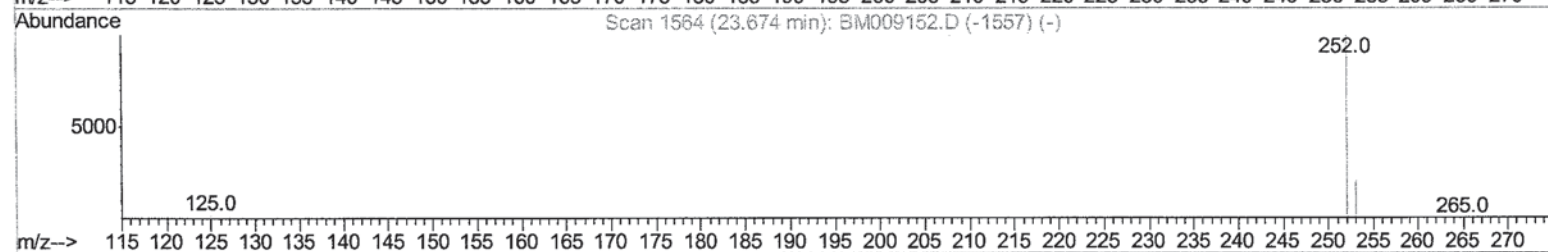
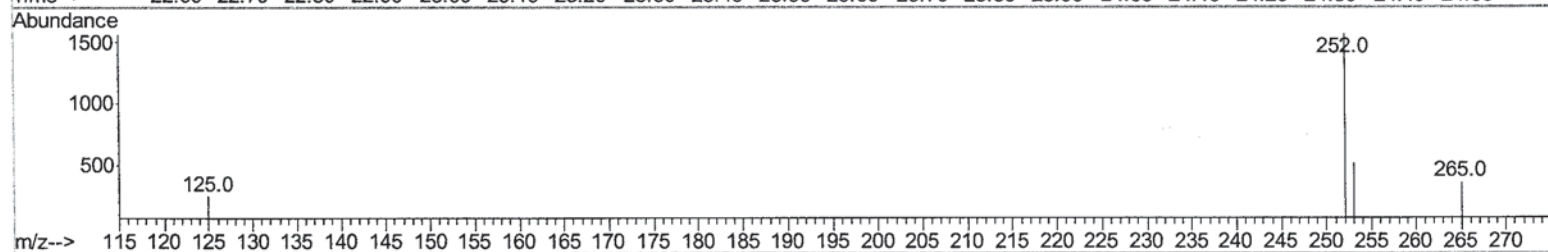
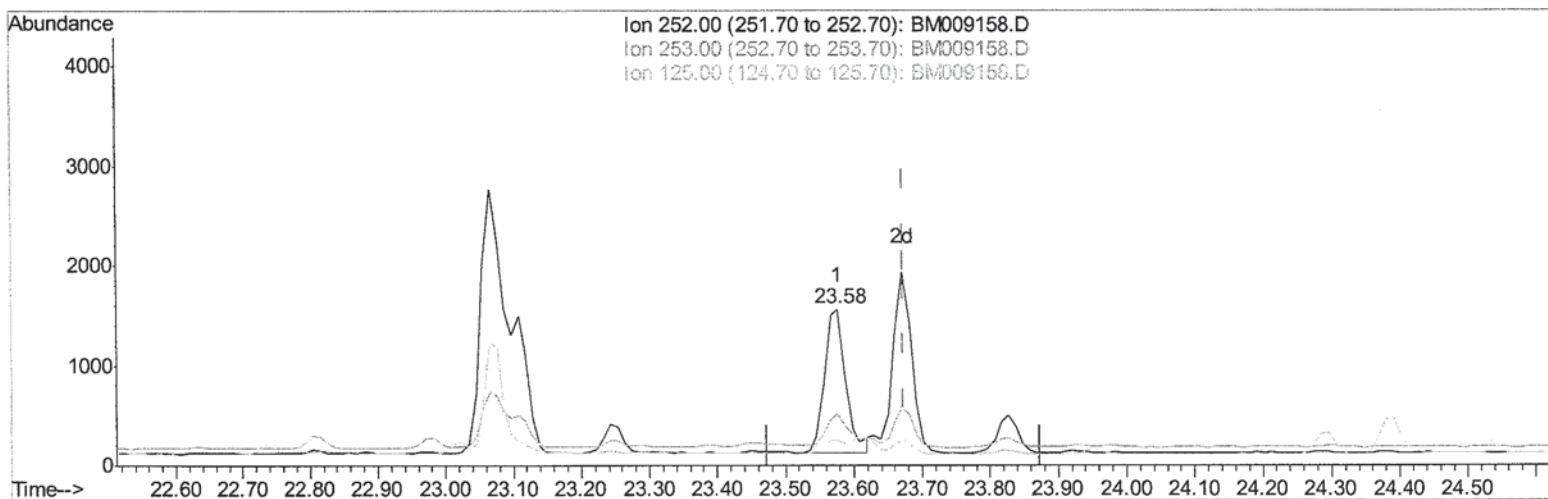
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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3/10/2017 6:01:38 PM

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TIC: BM009158.D

(23) Benzo(a)pyrene (C)

23.576min (-0.097) 0.56ng/ul

response 3055

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.35
125.00	22.60	15.81#
0.00	0.00	0.00

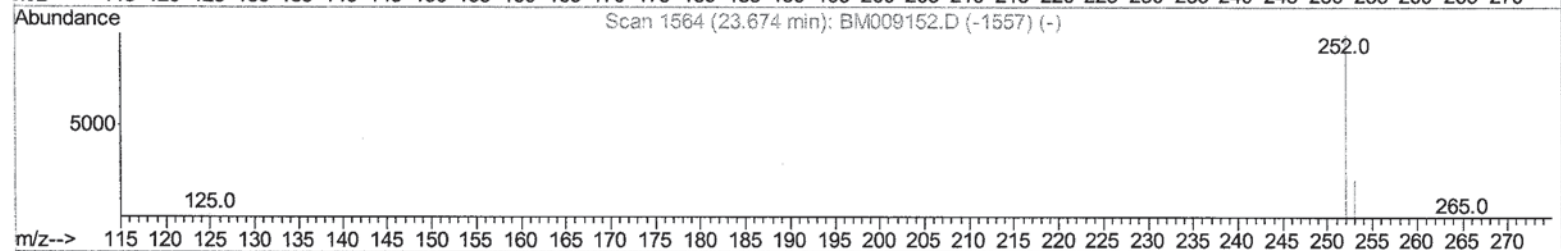
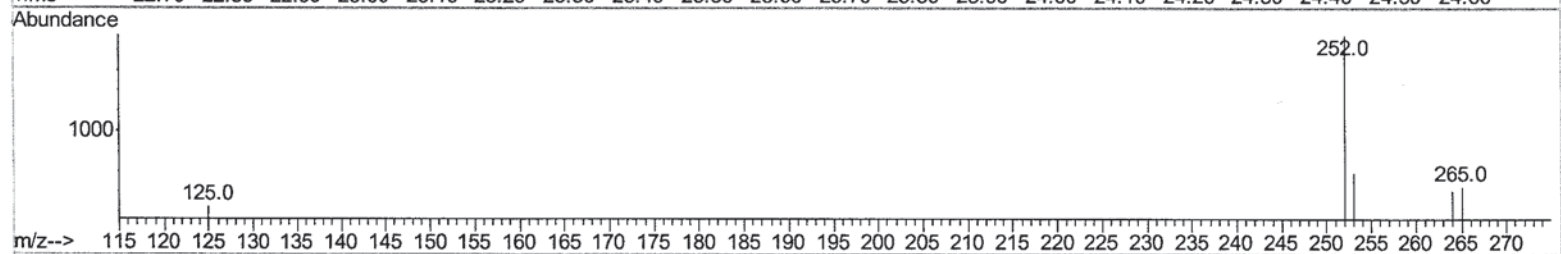
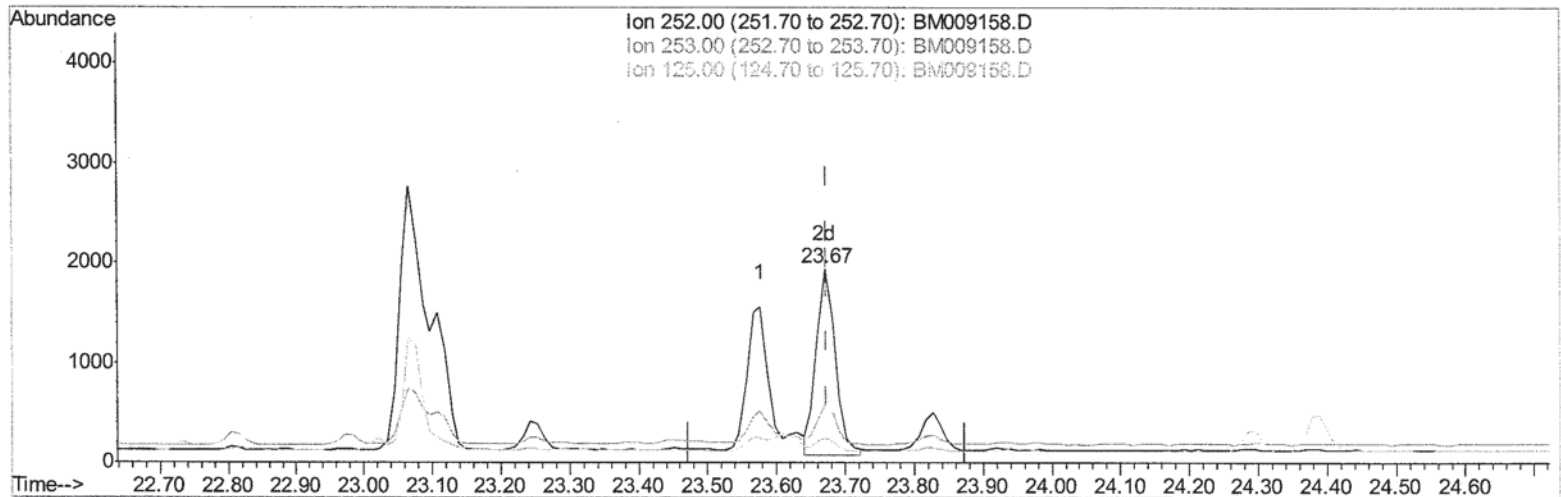
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
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Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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TIC: BM009158.D

(23) Benzo(a)pyrene (C)

23.670min (-0.003) 0.66ng/ul m

SJ 3/13/17

response 3620

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.89
125.00	22.60	12.76#
0.00	0.00	0.00

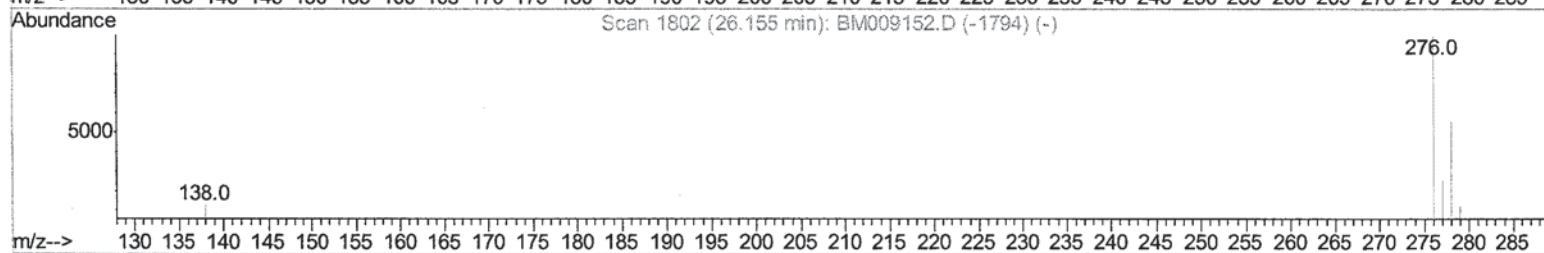
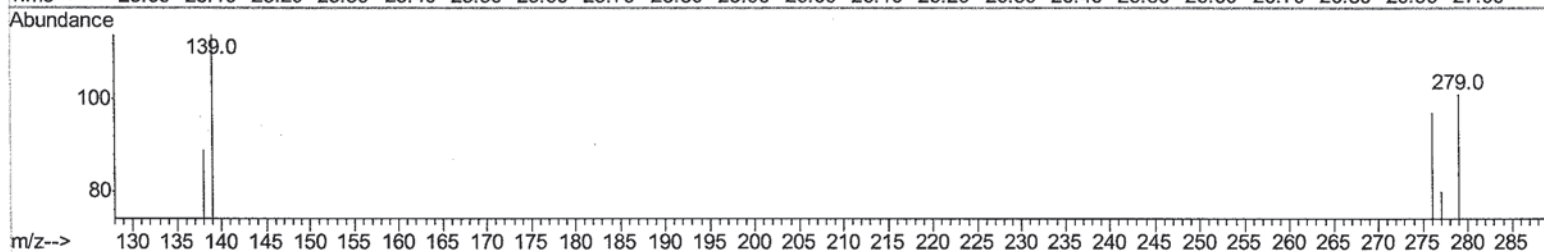
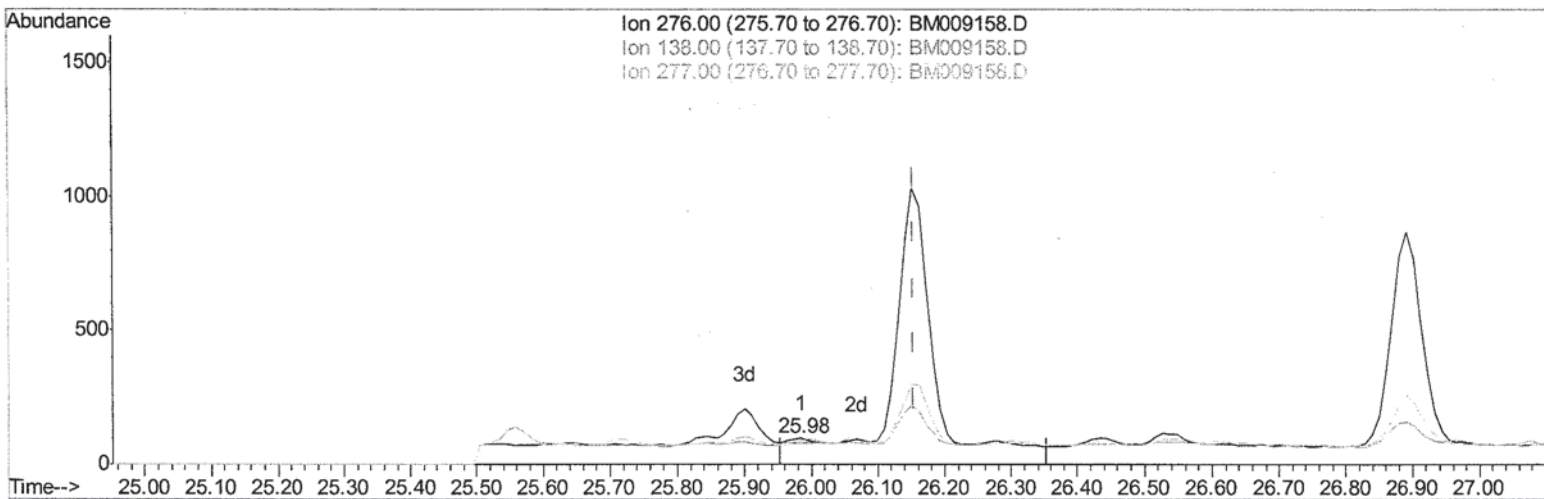
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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TIC: BM009158.D

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

25.985min (-0.170) 0.01ng/ul

response 44

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	59.09#
0.00	0.00	0.00

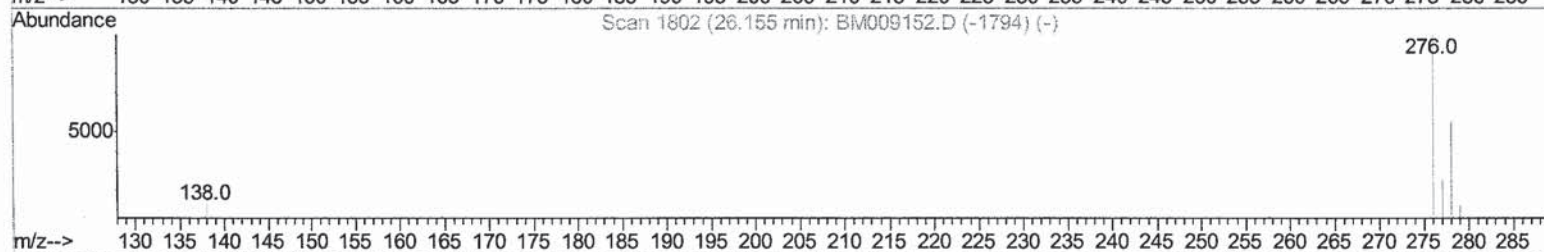
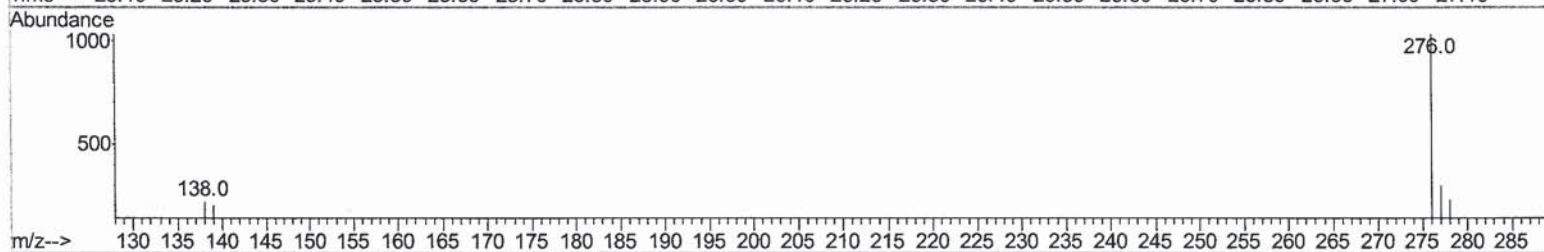
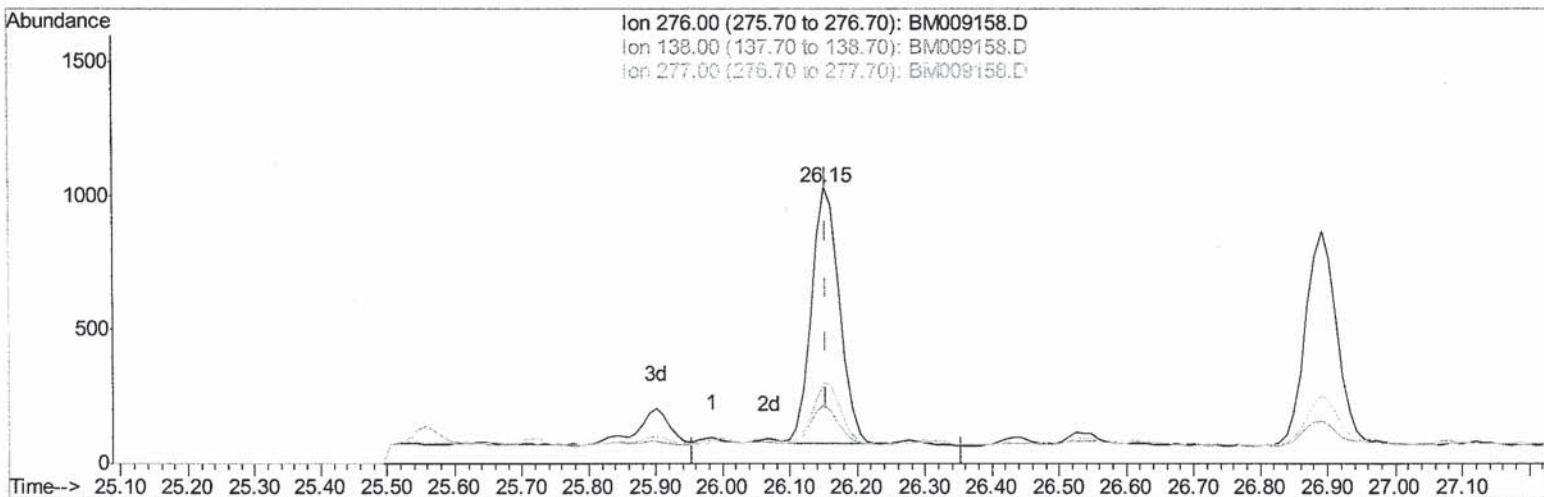
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK8

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009158.D

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

26.151min (-0.003) 0.40ng/ul m

SJ 3/13/17

response 2780

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.94#
0.00	0.00	0.00

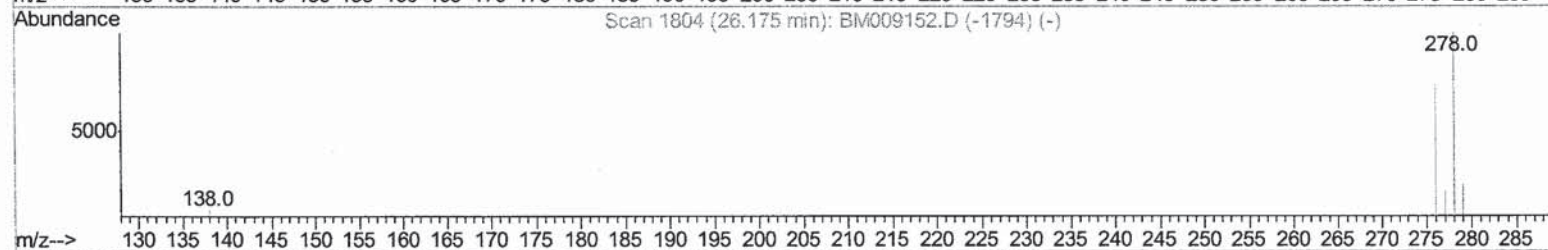
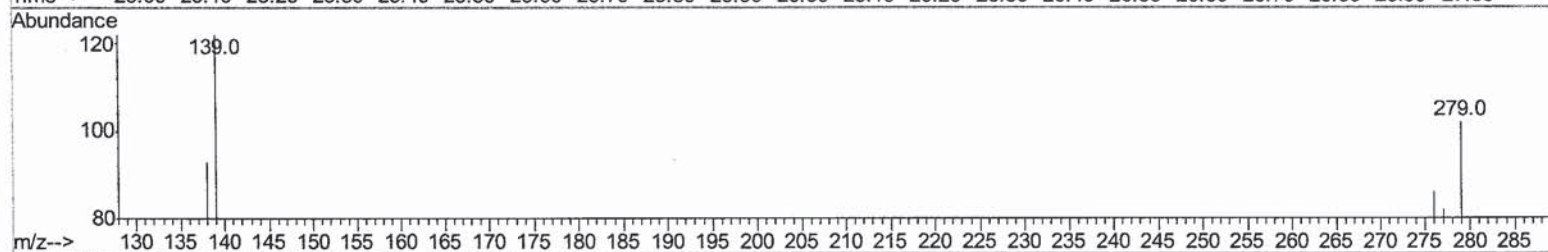
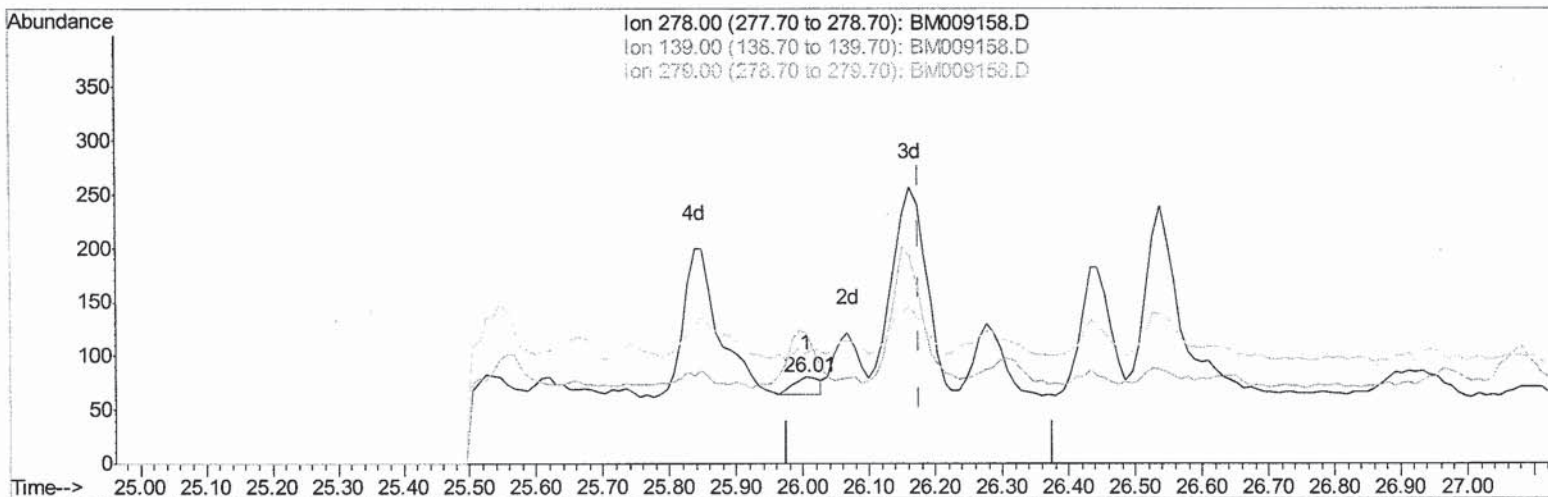
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
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Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

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TIC: BM009158.D

(25) Dibenzo(a,h)anthracene

26.005min (-0.170) 0.01ng/ul

response 45

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	152.50#
279.00	32.40	127.50#
0.00	0.00	0.00

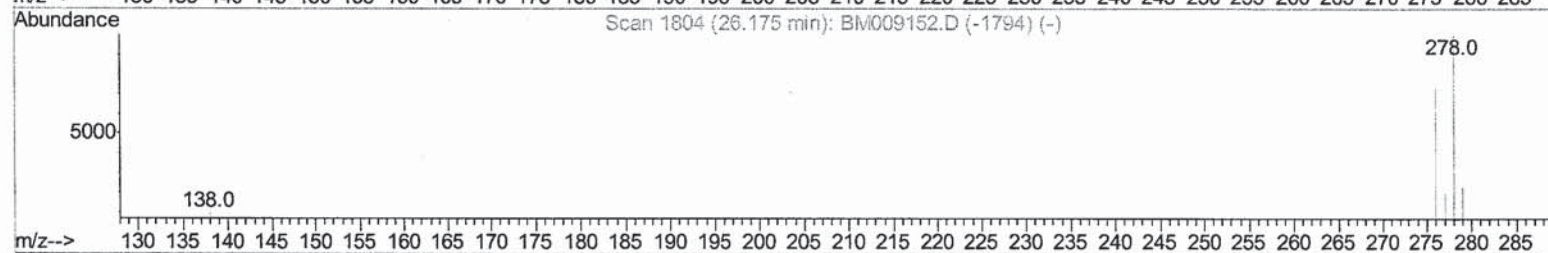
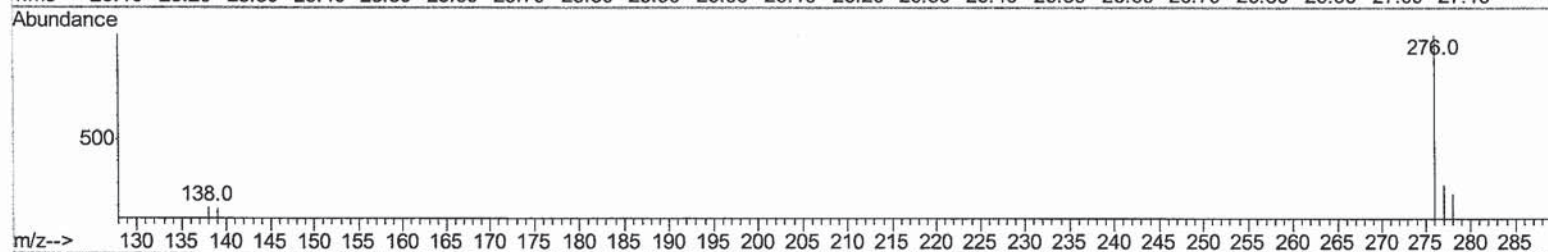
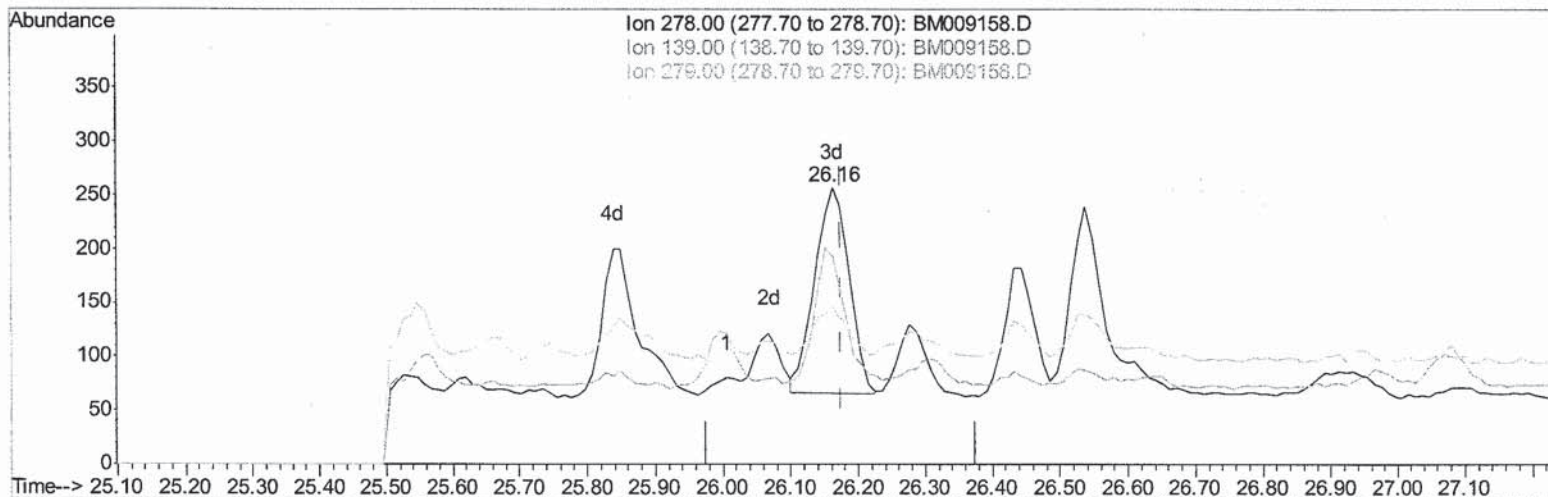
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Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK8

Manual Integrations
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mohammad
3/10/2017 6:01:38 PM

Quant Time: Mar 10 03:47:09 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: BM009158.D

(25) Dibenzo(a,h)anthracene

26.162min (-0.014) 0.12ng/ul m

51 3/13/17

response 680

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	75.10#
279.00	32.40	56.81#
0.00	0.00	0.00

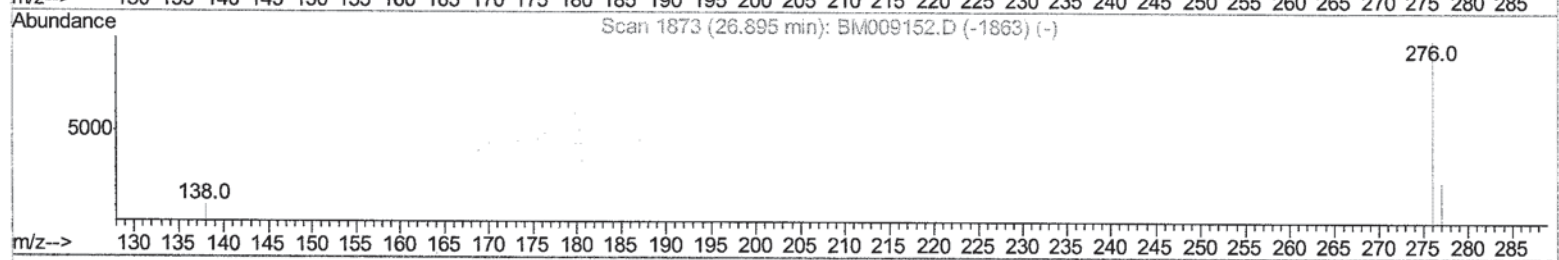
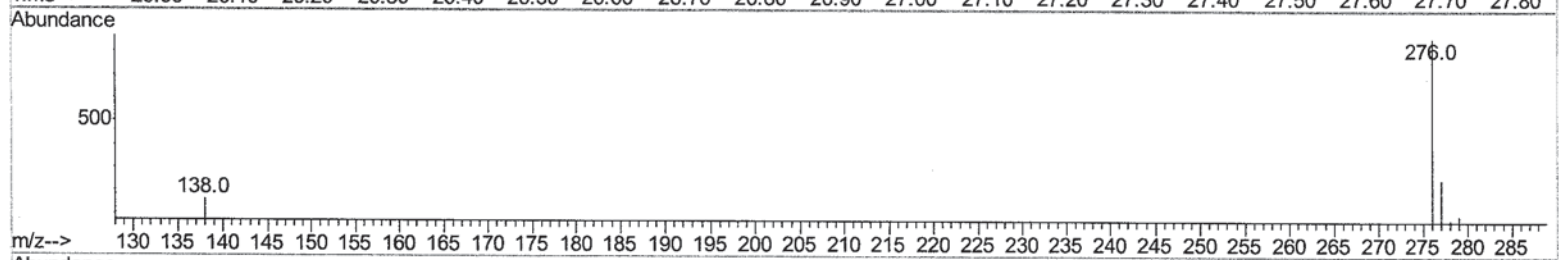
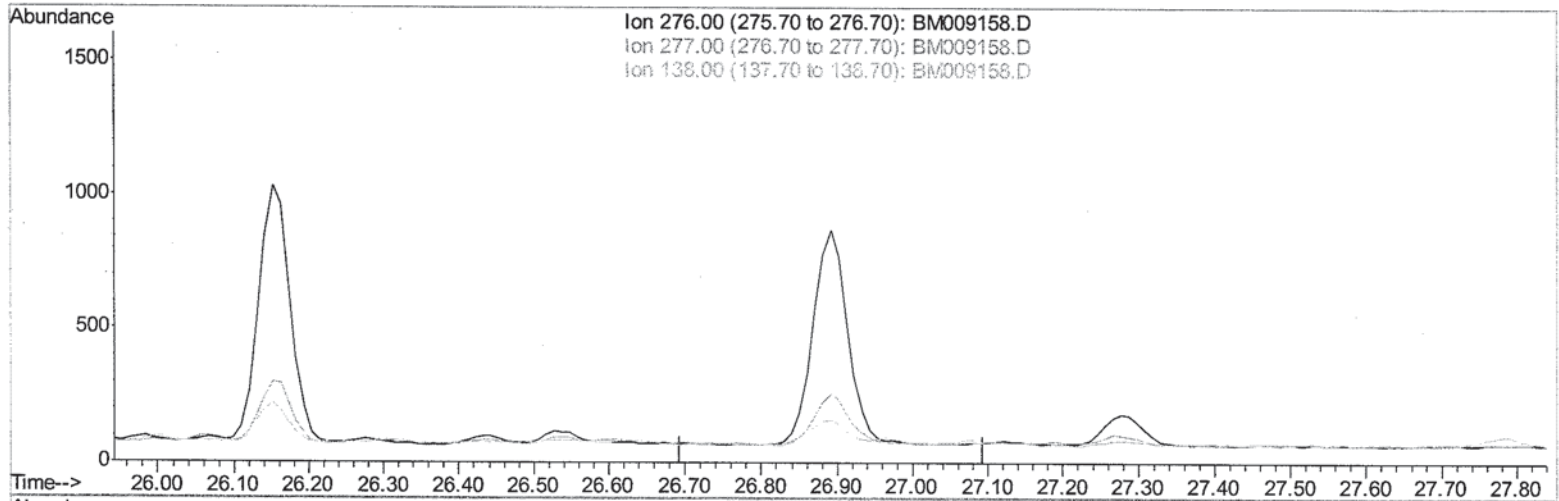
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:38 PM

Quant Time: Mar 10 03:47:09 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: BM009158.D

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

26.895min (-26.895) 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

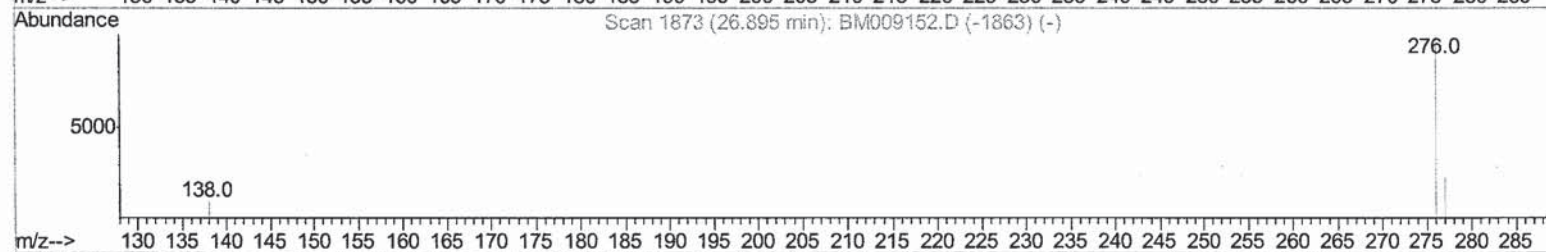
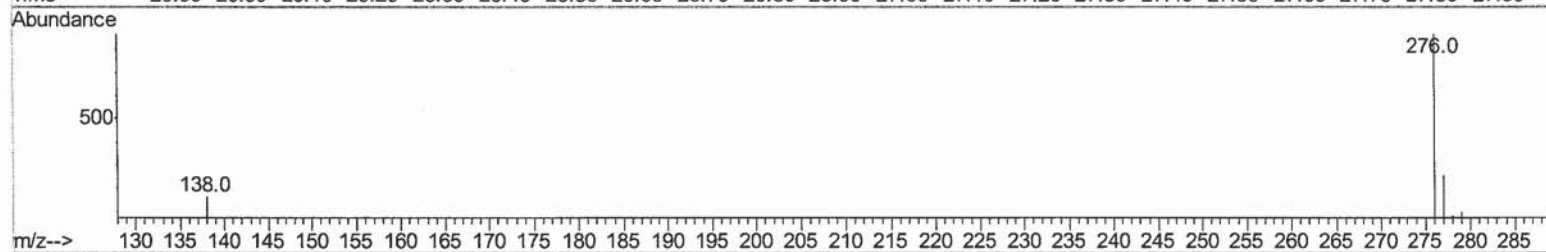
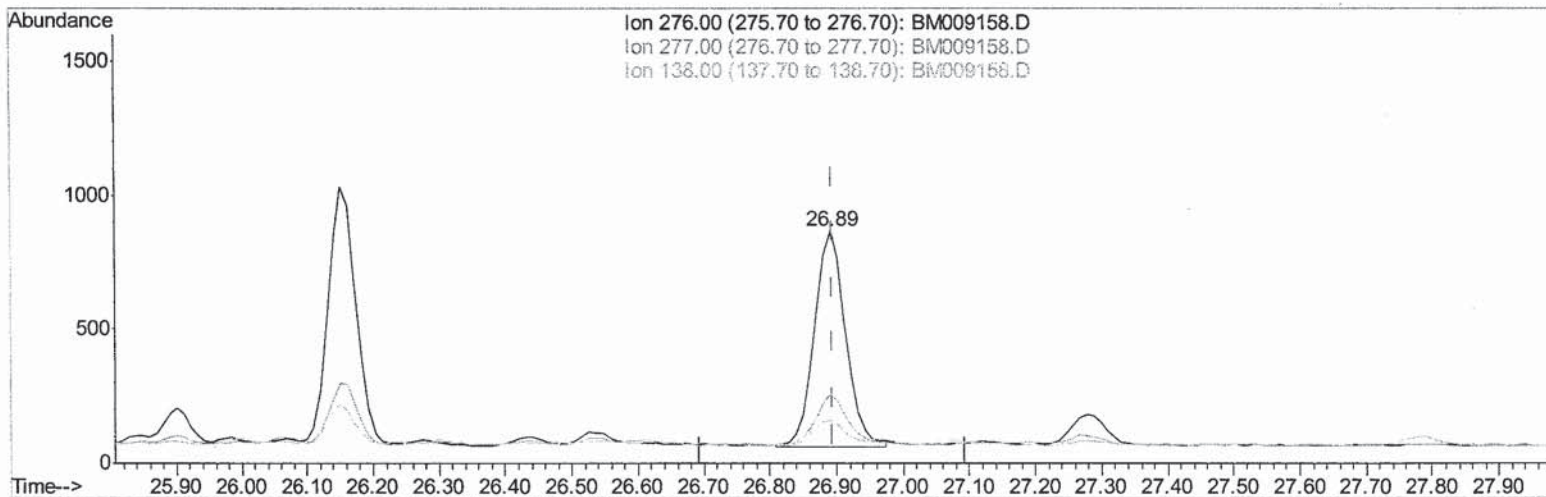
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009158.D
Acq On : 09 Mar 2017 22:45
Operator : SJ/MA
Sample : I2062-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK8

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:38 PM

Quant Time: Mar 10 03:47:09 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: BM009158.D

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

26.891min (-0.003) 0.45ng/ul m SJ 3/13/17

response 2630

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	29.56
138.00	25.60	18.71#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009158.D
 Acq On : 09 Mar 2017 22:45
 Operator : SJ/MA
 Sample : I2062-22
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK8

Manual Integrations
 APPROVED

mohammad
 3/10/2017 6:01:38 PM

Quant Time: Mar 10 03:49:02 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	325	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	1008	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	597	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1486m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1554	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1541m	0.40	ng/ul	0.00

SJ 3/13/17

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.27	152	302	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	847	0.18	ng/ul	0.00

Target Compounds

						Ovalue
3) Naphthalene	10.73	128	1411	0.49	ng/ul	96
5) 2-Methylnaphthalene	12.34	142	1330	0.64	ng/ul	99
7) Acenaphthylene	14.23	152	269	0.09	ng/ul#	37
9) Fluorene	15.56	166	142	0.05	ng/ul#	60
12) Phenanthrene	17.30	178	3043	0.65	ng/ul	98
13) Anthracene	17.40	178	424	0.09	ng/ul#	78
15) Fluoranthene	19.33	202	6808	1.12	ng/ul	95
17) Pyrene	19.69	202	5905	1.10	ng/ul	97
18) Benzo(a)anthracene	21.42	228	3101	0.60	ng/ul	95
19) Chrysene	21.47	228	4231	0.86	ng/ul	94
21) Benzo(b)fluoranthene	23.07	252	6635m	1.10	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	1992m	0.37	ng/ul	
23) Benzo(a)pyrene	23.67	252	3620m	0.66	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	2780m	0.40	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	680m	0.12	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	2630m	0.45	ng/ul	

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