

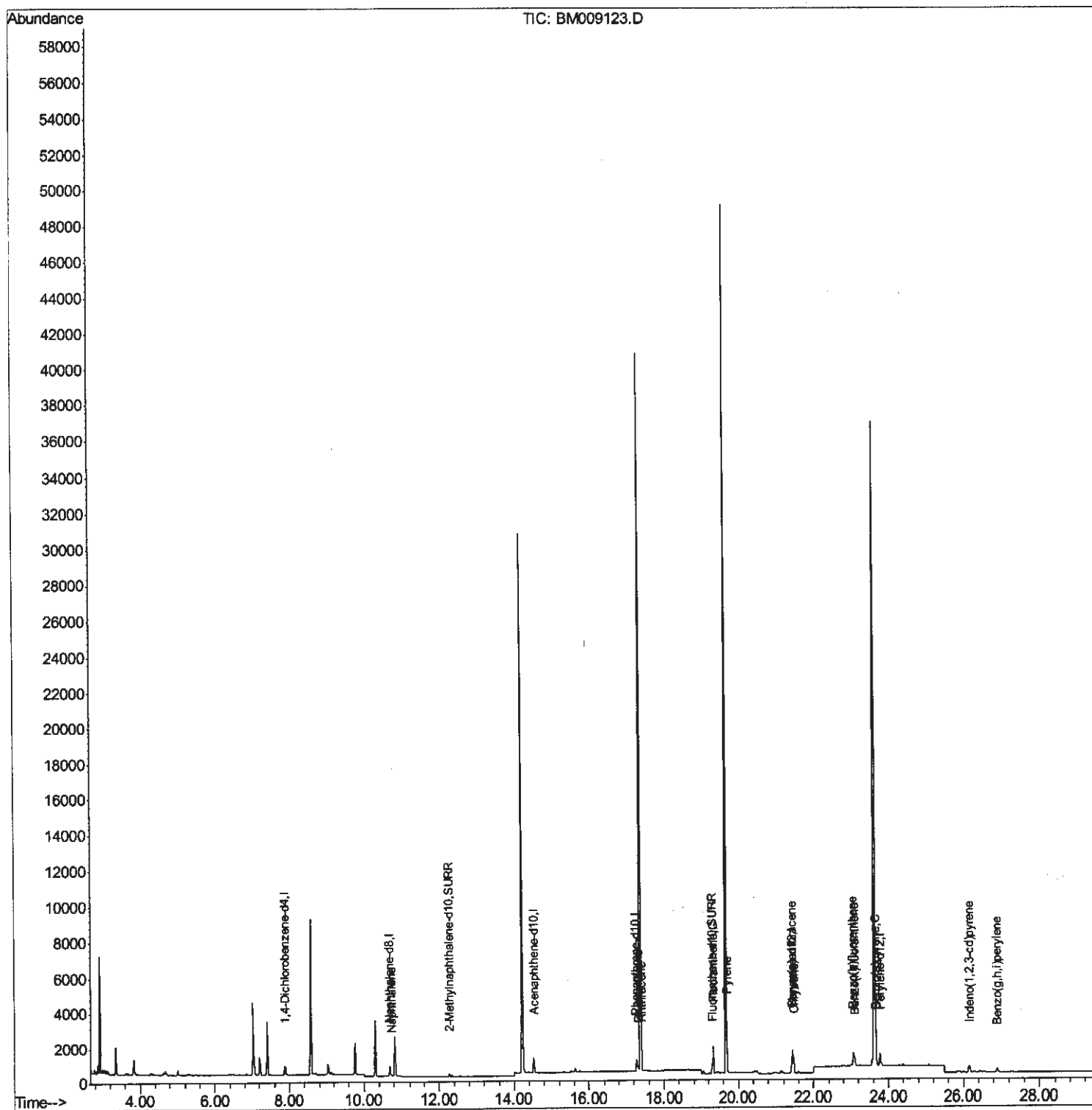
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:57:17 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



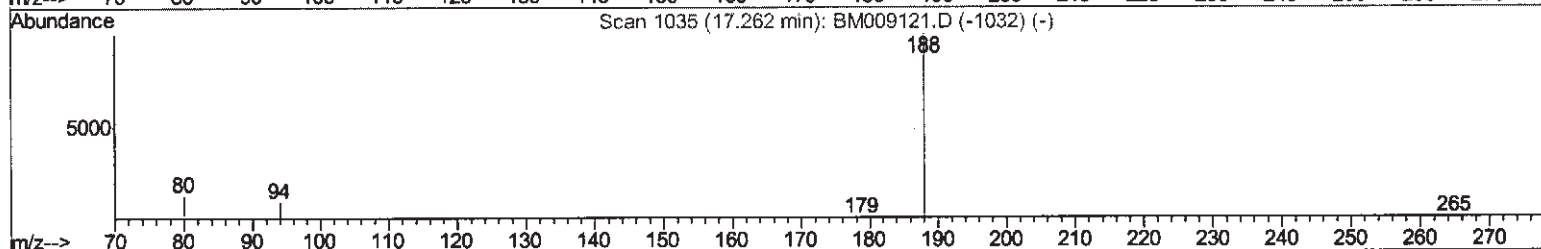
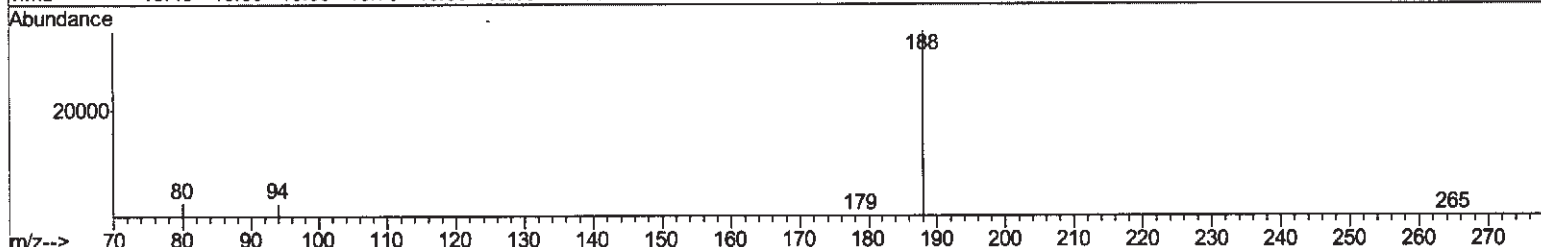
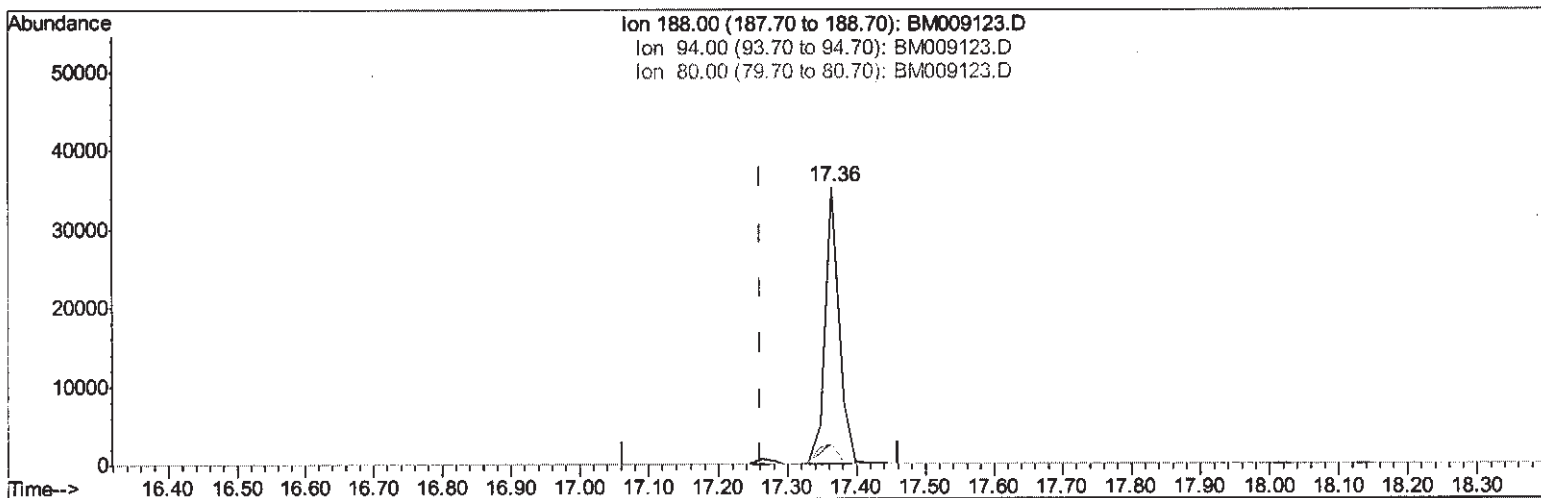
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
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C0AK4

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:45:34 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: BM009123.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 49470

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.33#
80.00	11.80	7.46#
0.00	0.00	0.00

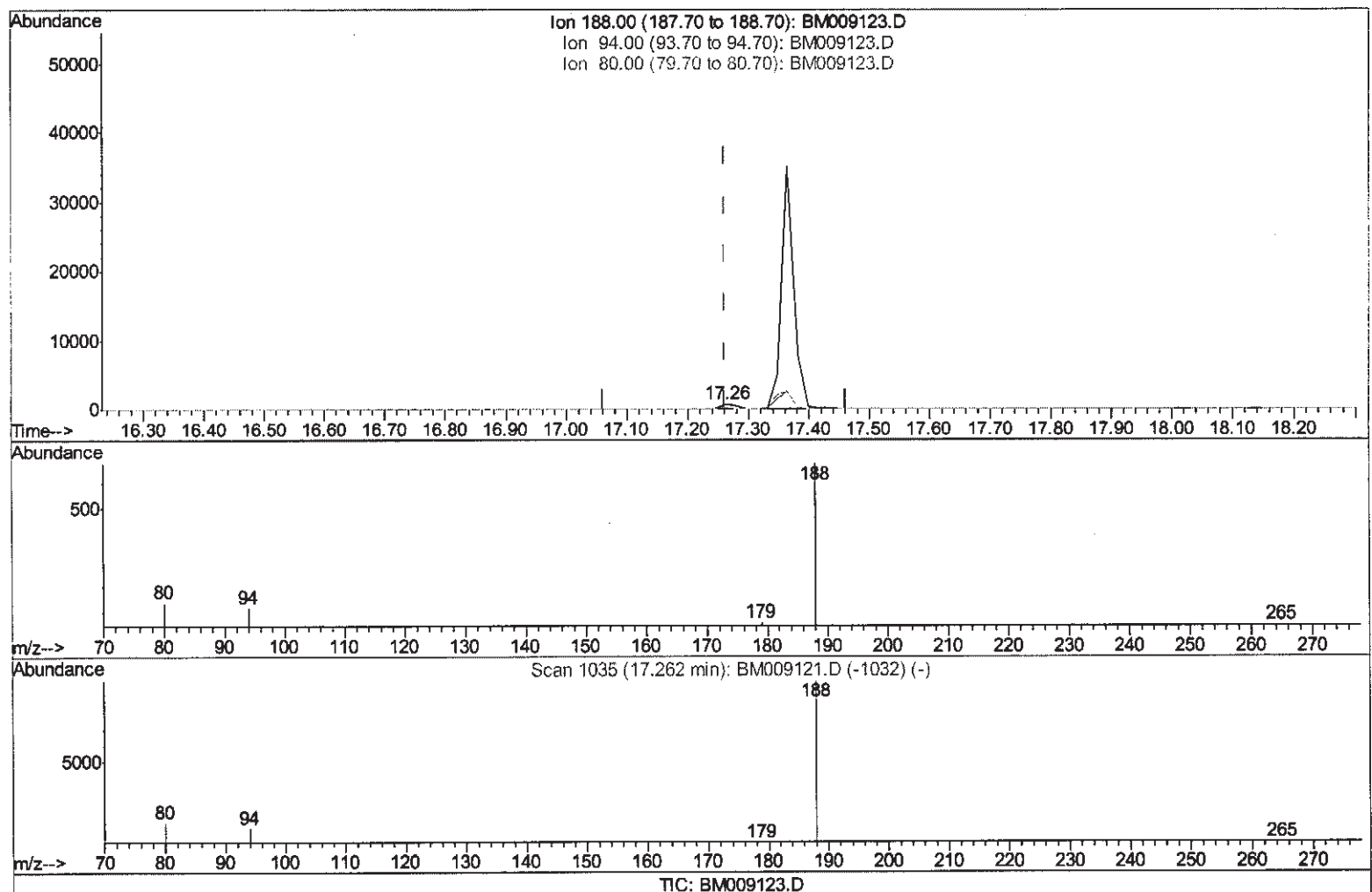
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
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Instrument :
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C0AK4

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:45:34 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



(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m

SJ 3/16/17

response 1140

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	16.99#
80.00	11.80	19.94#
0.00	0.00	0.00

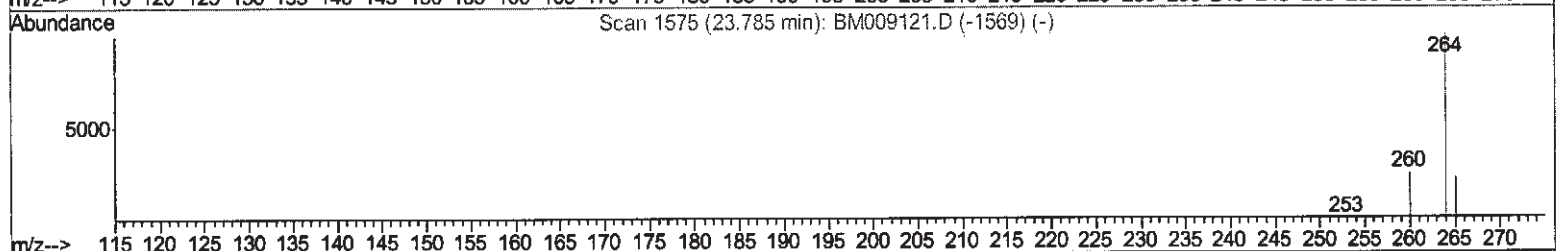
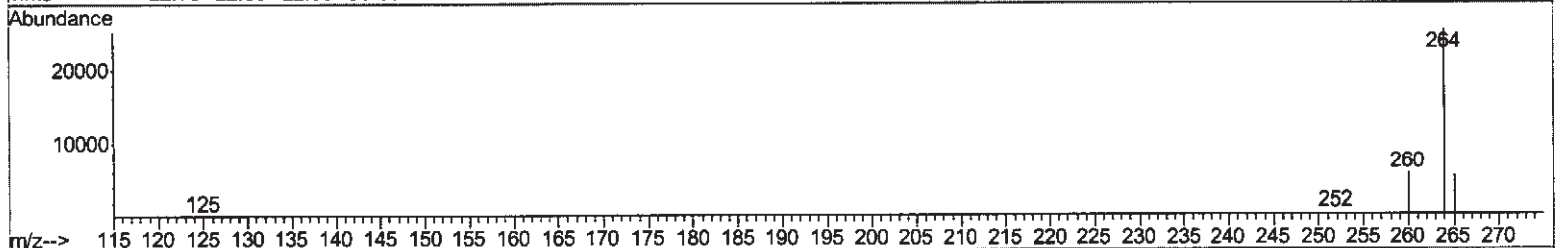
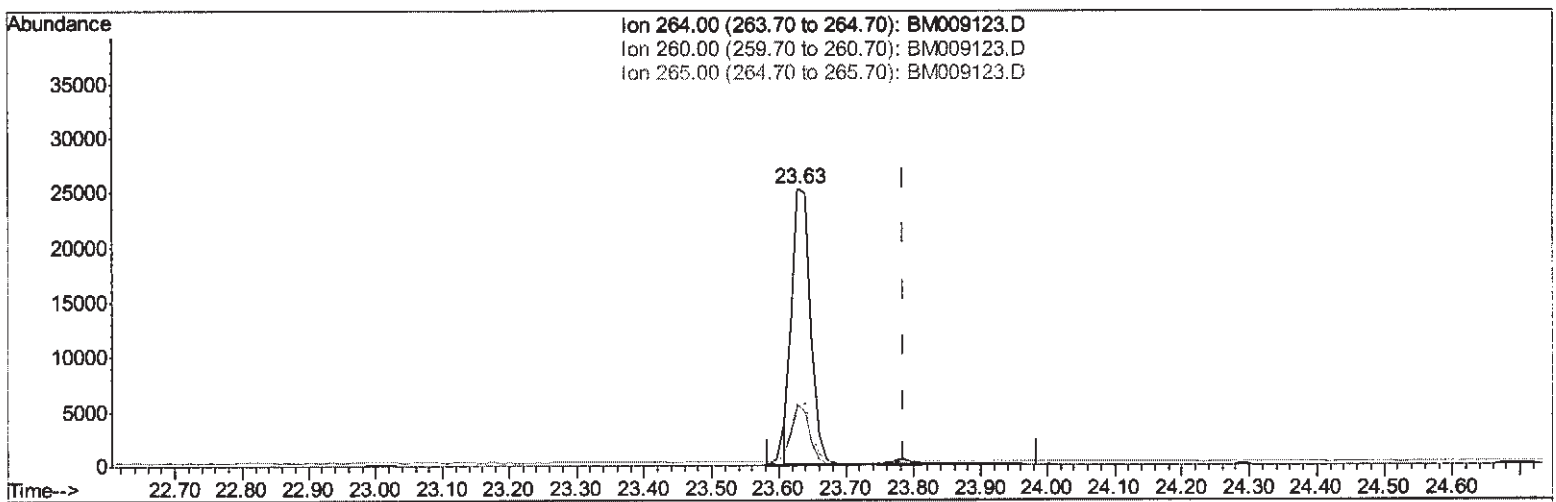
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
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Quant Time: Mar 09 02:45:34 2017
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TIC: BM009123.D

(20) Perylene-d12 (I)

23.628min (-0.156) 0.40ng/ul

response 49484

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.19#
265.00	103.50	21.05#
0.00	0.00	0.00

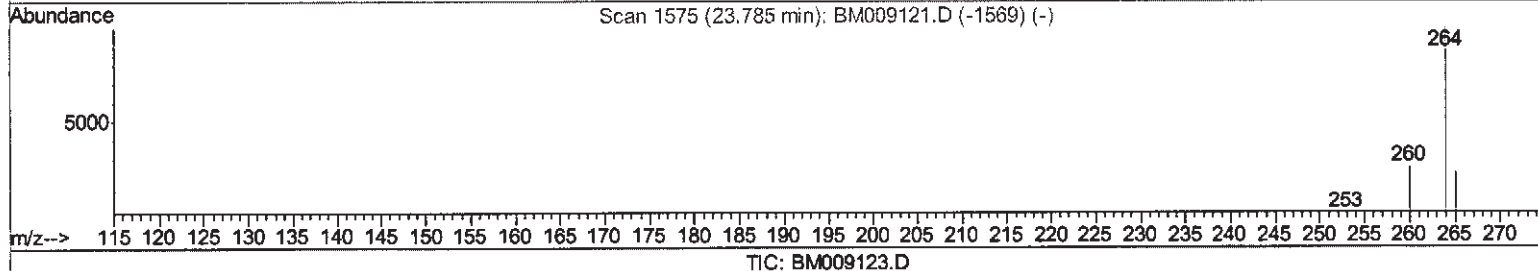
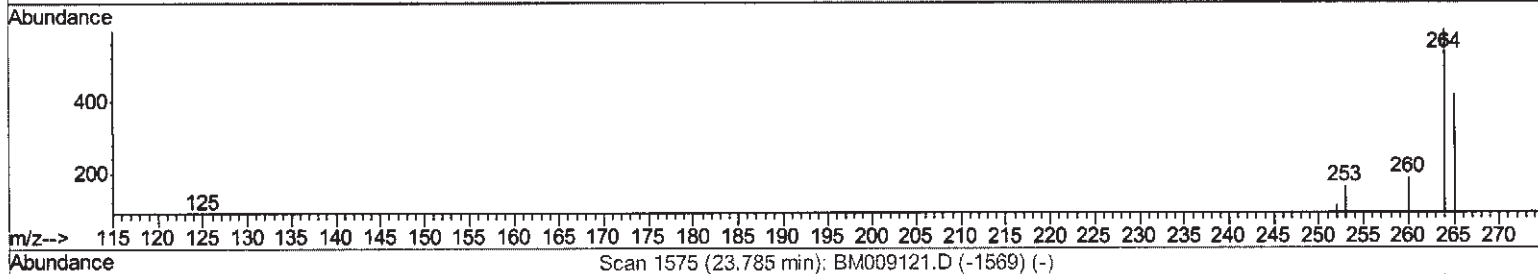
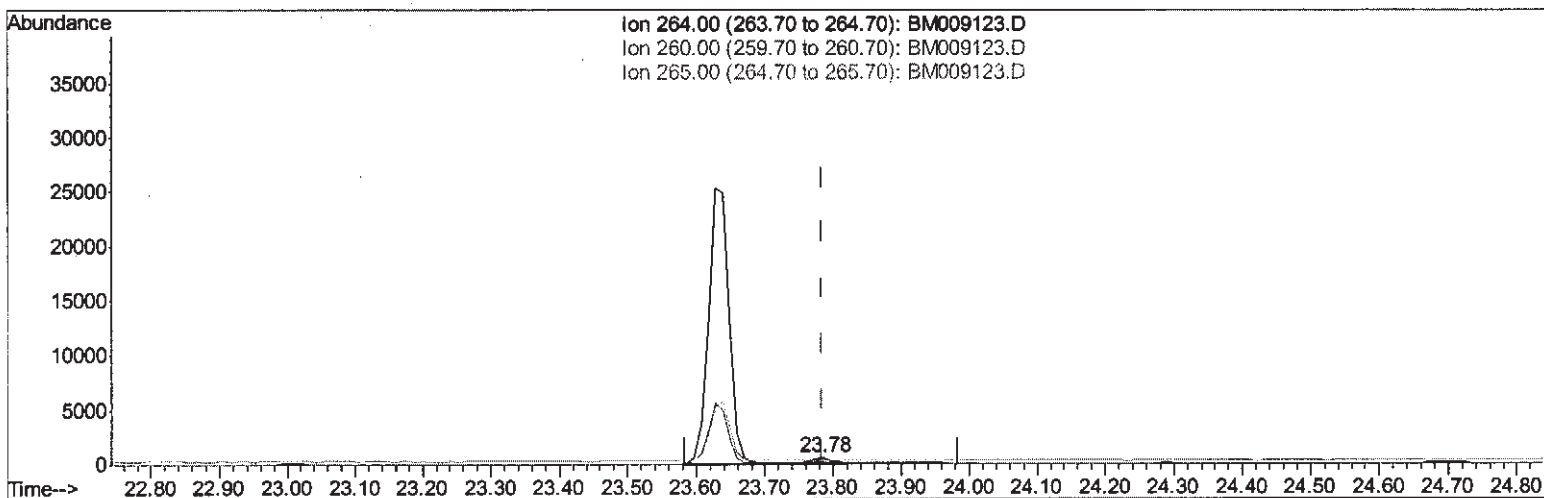
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
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Quant Time: Mar 09 02:45:34 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



(20) Perylene-d12 (I)

23.785min (-0.000) 0.40ng/ul m

SJ 3/14/17

response 1120

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.77
265.00	103.50	69.40#
0.00	0.00	0.00

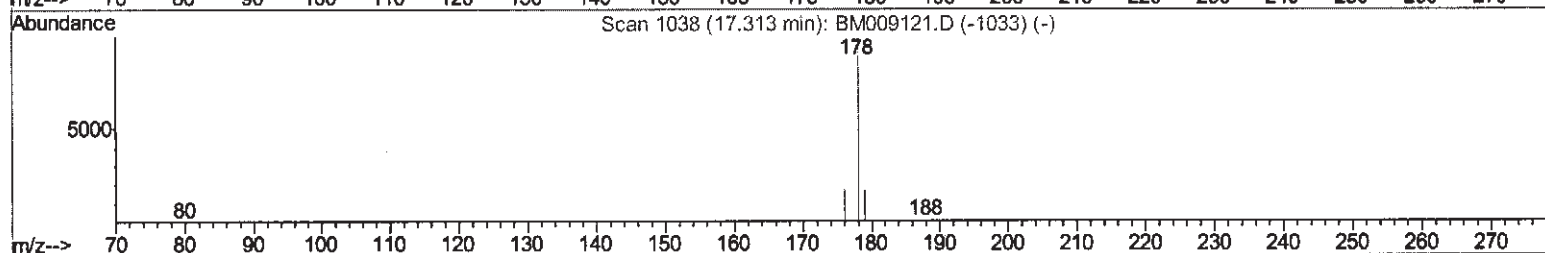
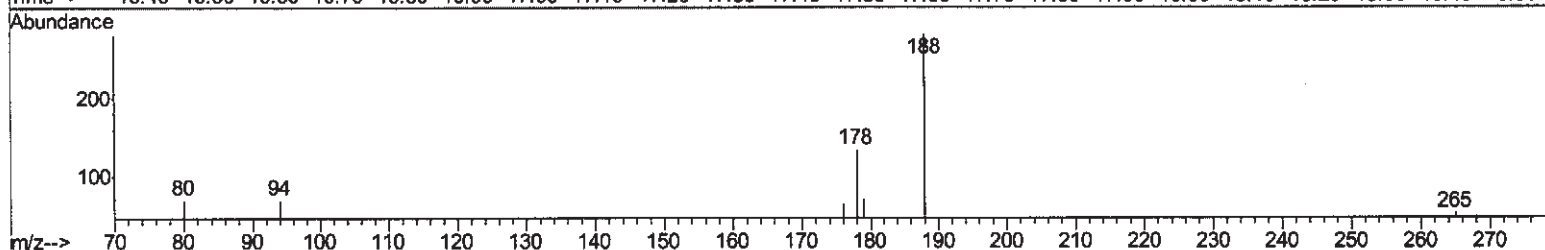
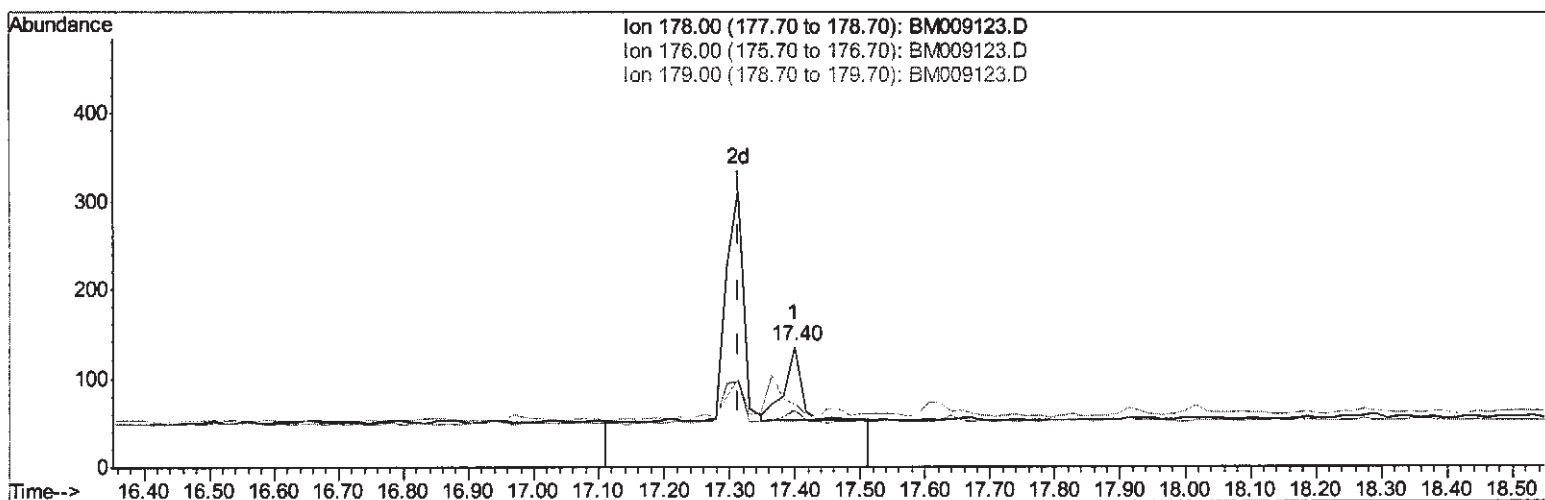
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
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Sample : I2062-18
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Instrument :
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Manual Integrations
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TIC: BM009123.D

(12) Phenanthrene

17.399min (+0.086) 0.04ng/ul

response 155

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	47.41#
179.00	17.00	52.59#
0.00	0.00	0.00

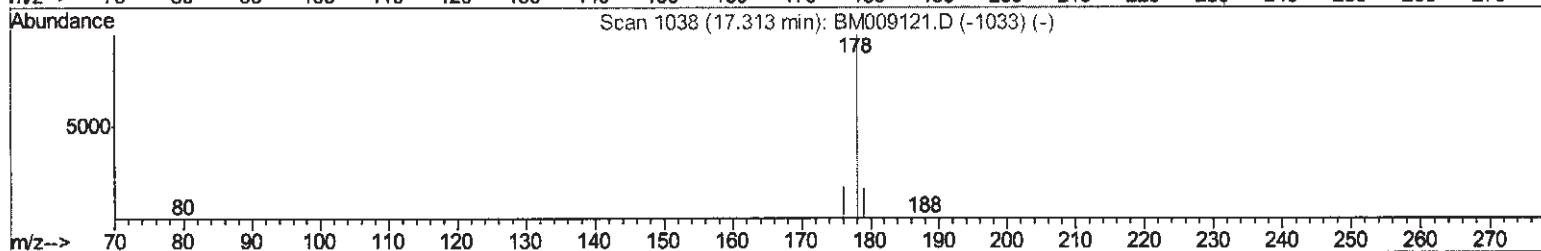
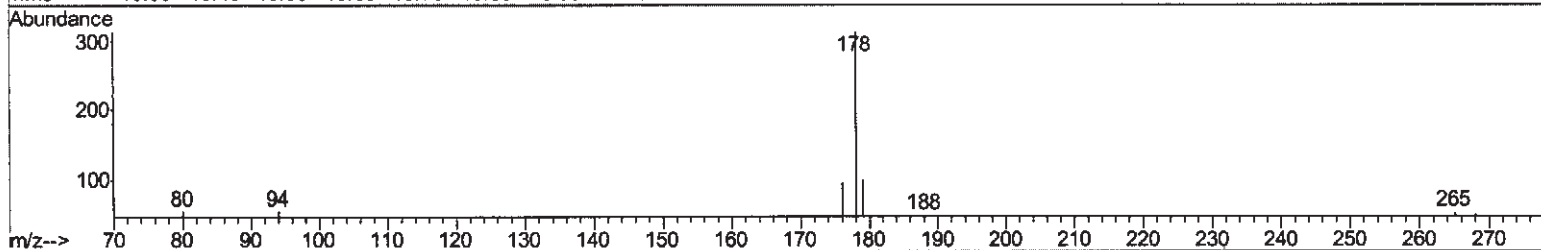
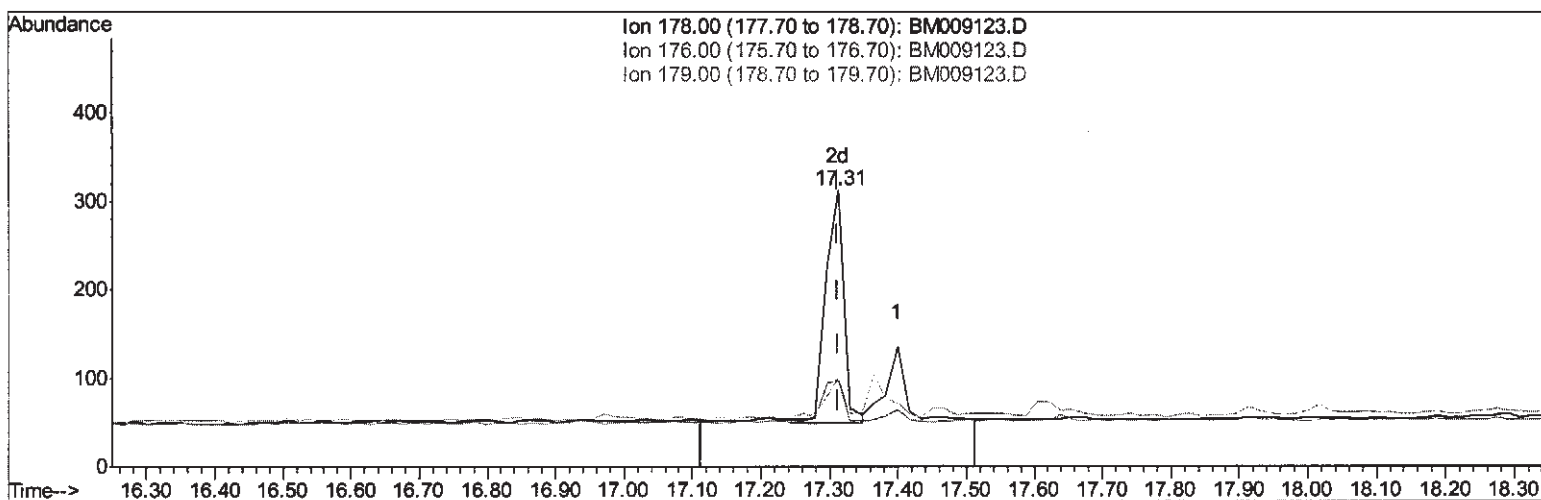
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

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Quant Time: Mar 09 02:54:22 2017
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TIC: BM009123.D

(12) Phenanthrene

17.313min (-0.000) 0.14ng/ul m

SJ 3/16/17

response 491

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	30.77#
179.00	17.00	32.05#
0.00	0.00	0.00

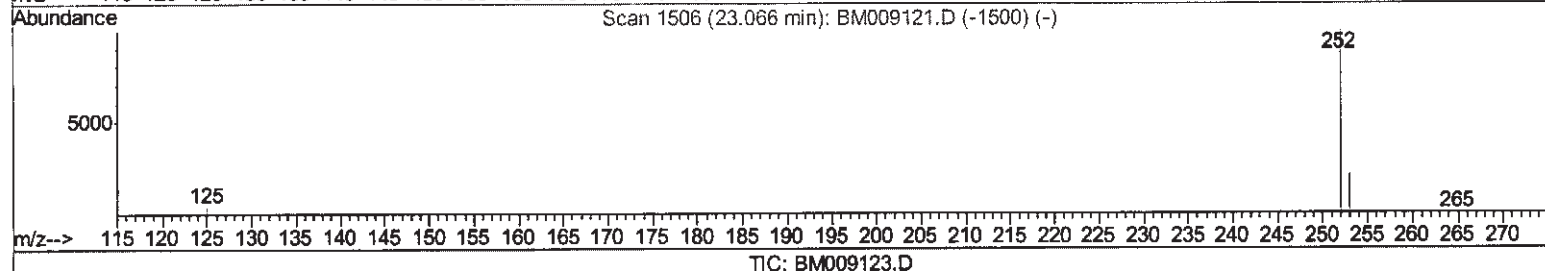
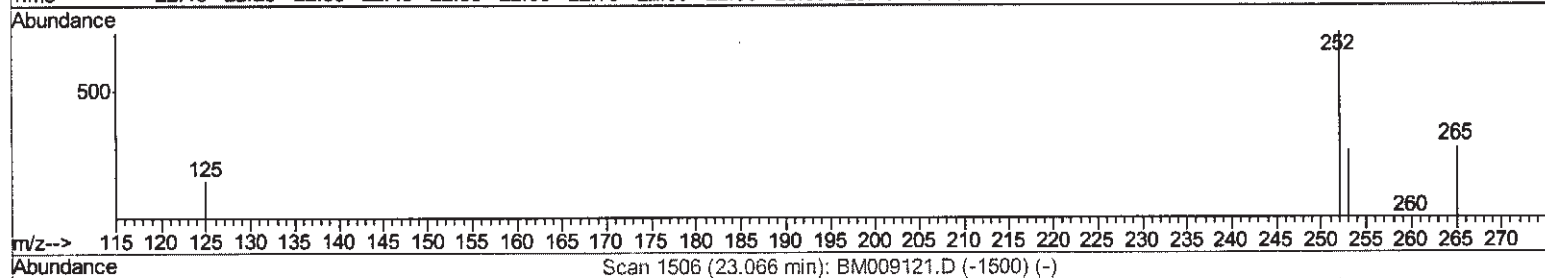
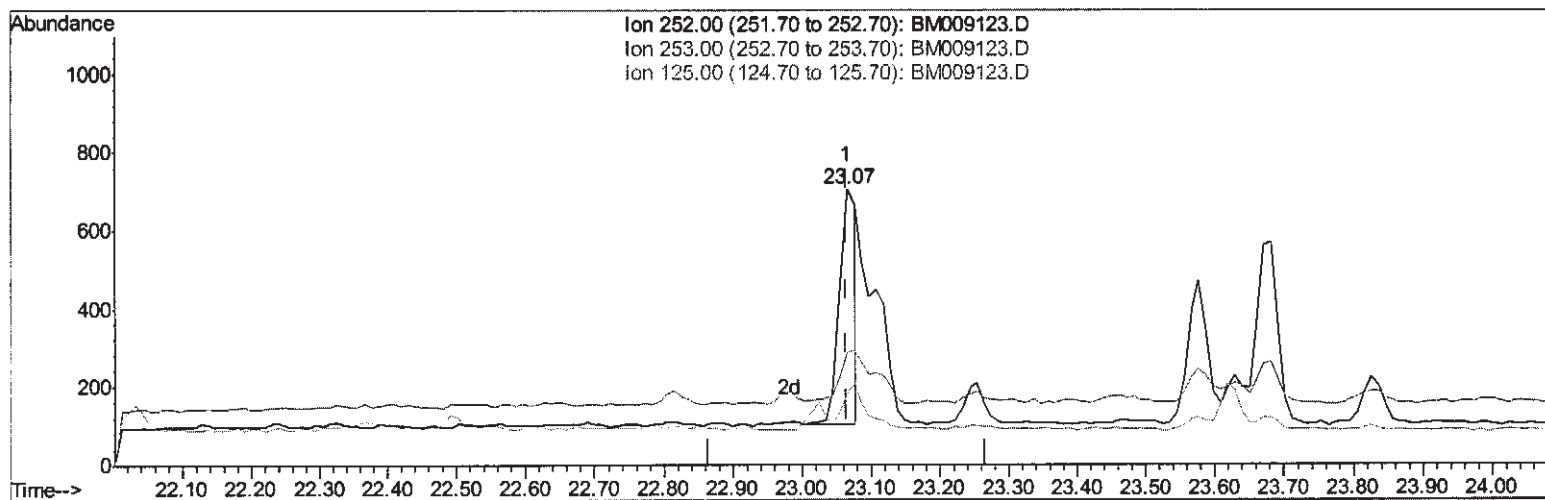
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Mar 09 02:54:22 2017
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(21) Benzo(b)fluoranthene

23.066min (-0.000) 0.23ng/ul

response 1015

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	41.02
125.00	17.50	26.03
0.00	0.00	0.00

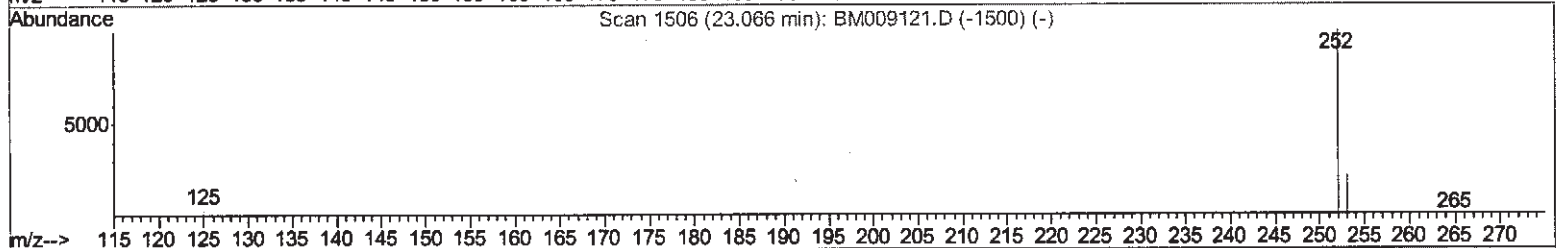
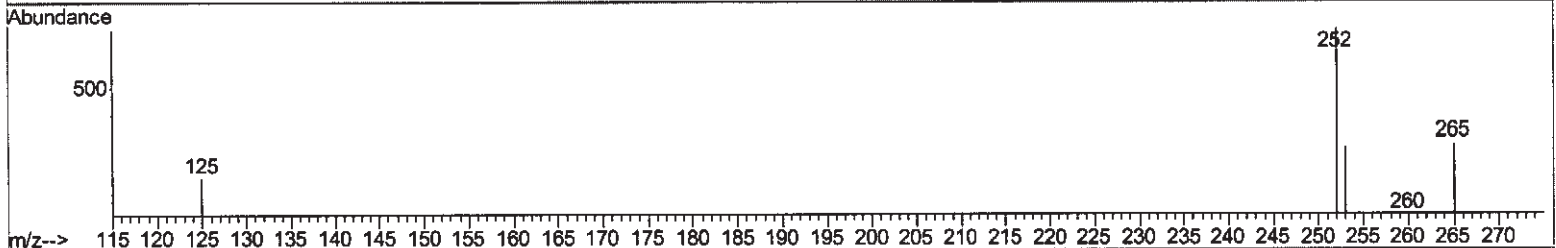
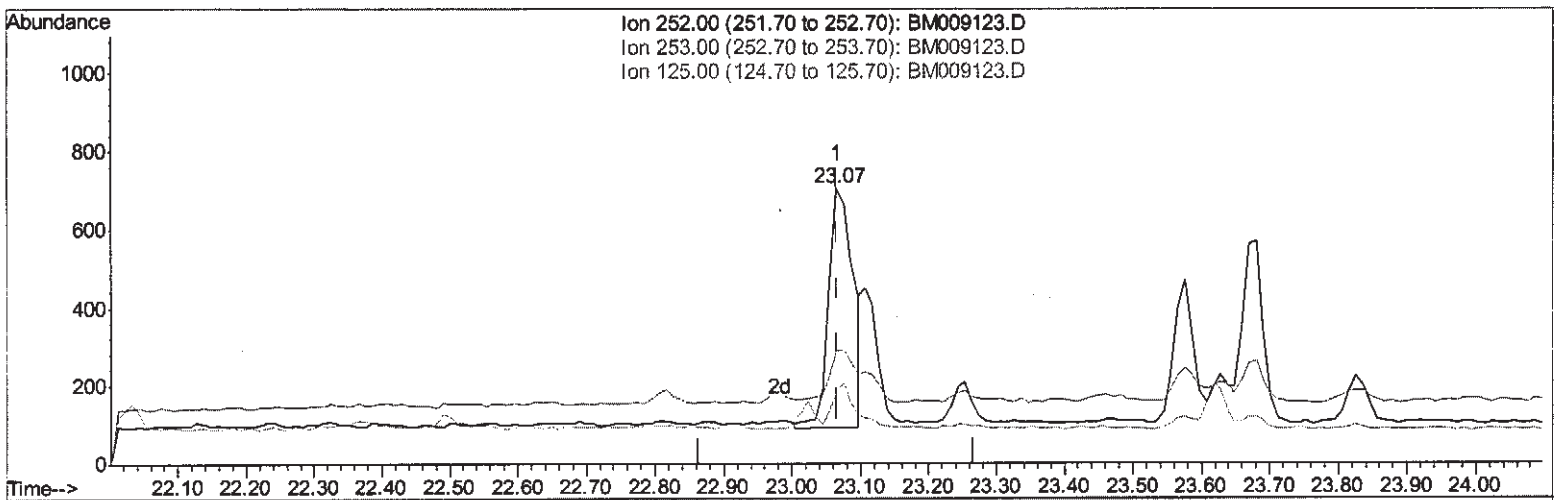
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

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3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:54:22 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009123.D

(21) Benzo(b)fluoranthene

23.066min (-0.000) 0.35ng/ul m

SJ 3/16/17

response 1551

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	41.02
125.00	17.50	26.03
0.00	0.00	0.00

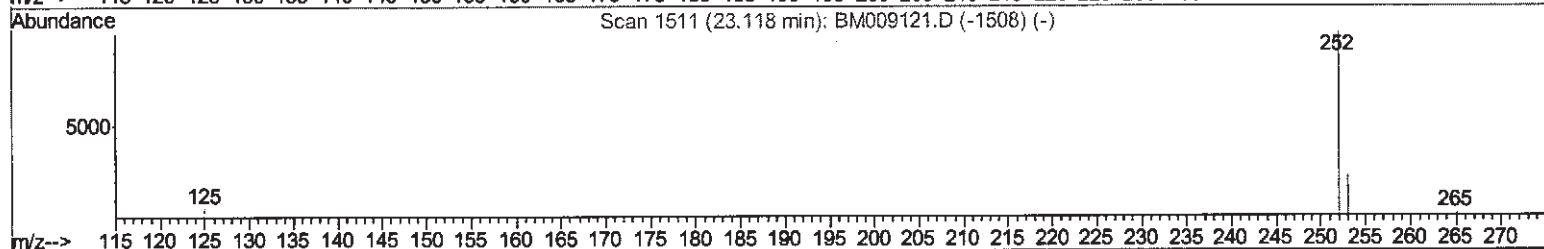
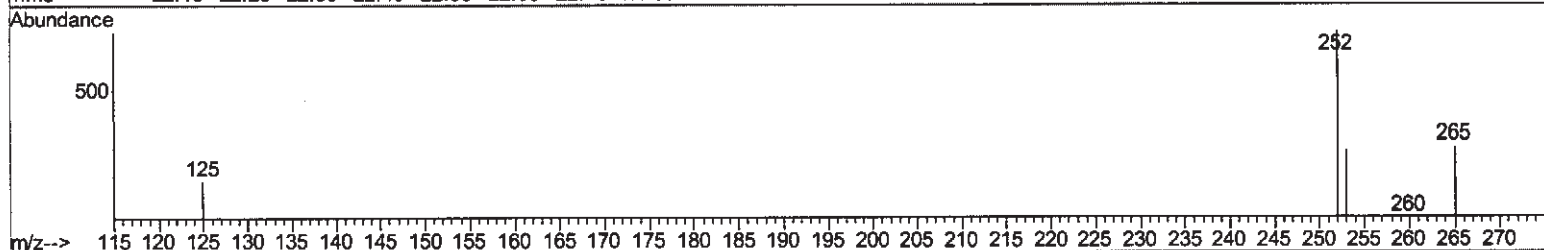
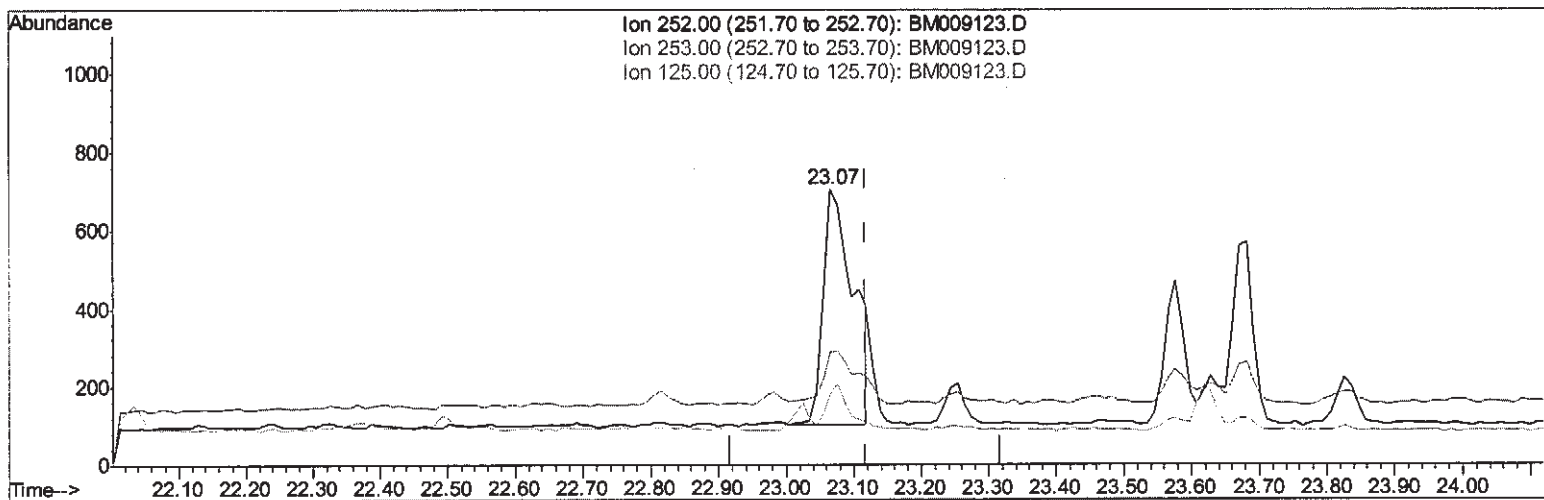
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

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3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:54:22 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.066min (-0.052) 0.49ng/ul

response 1892

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	41.02#
125.00	17.10	26.03#
0.00	0.00	0.00

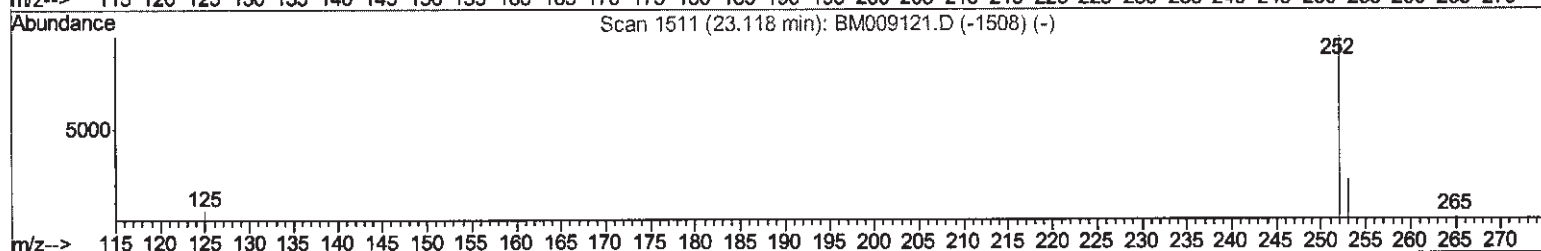
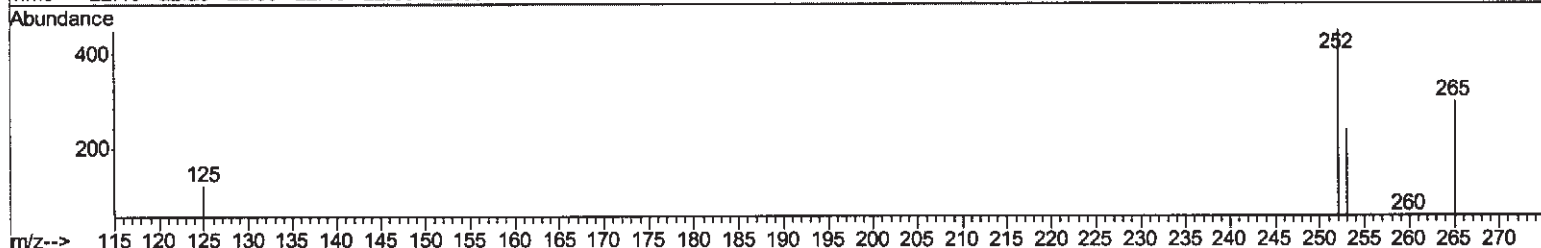
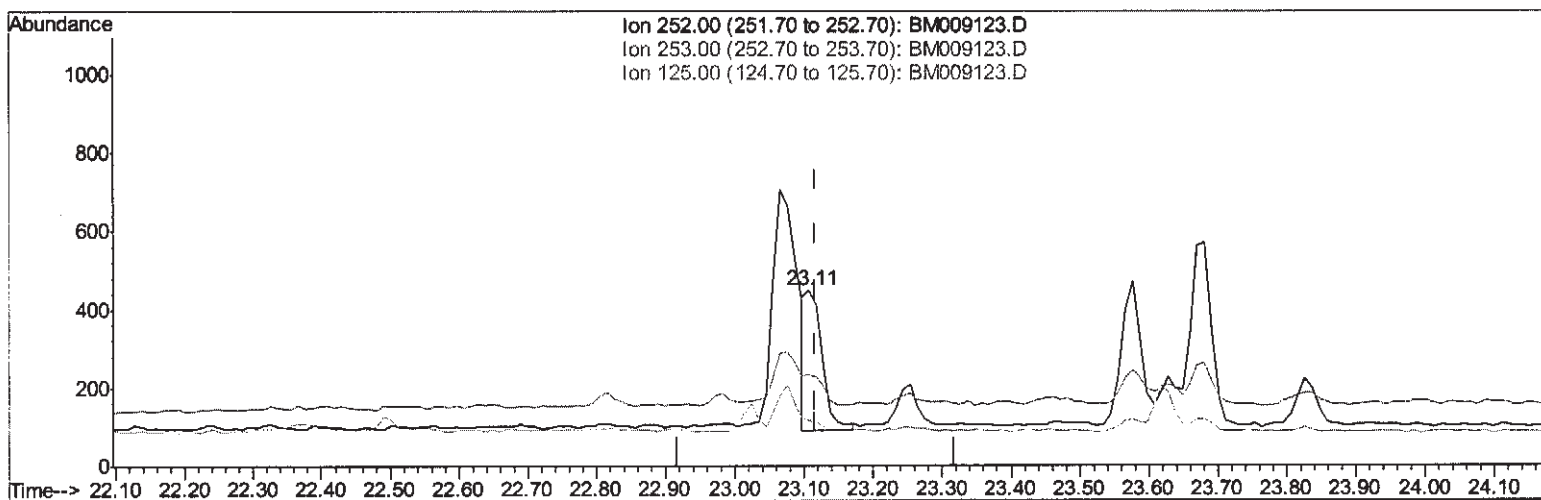
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

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3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:54:22 2017
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TIC: BM009123.D

(22) Benzo(k)fluoranthene

23.107min (-0.011) 0.15ng/ul m *SJ 3/16/17*

response 584

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	52.34#
125.00	17.10	26.06#
0.00	0.00	0.00

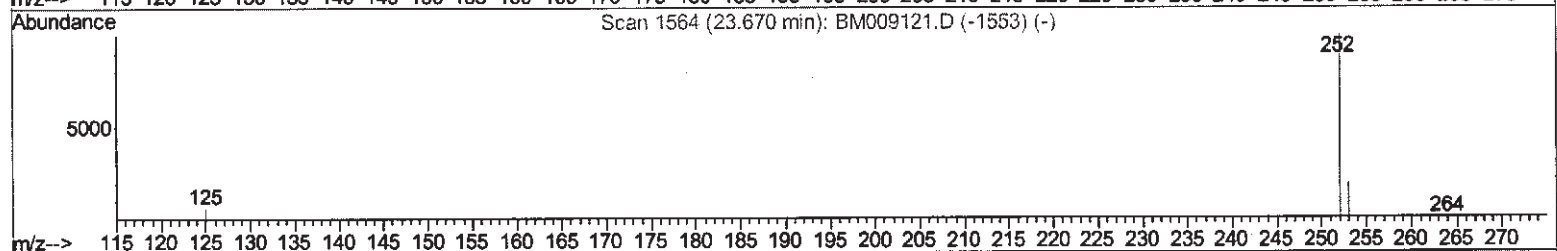
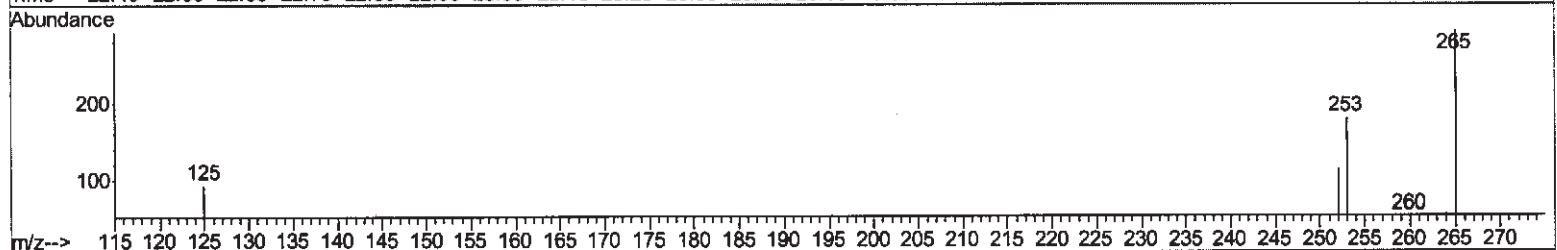
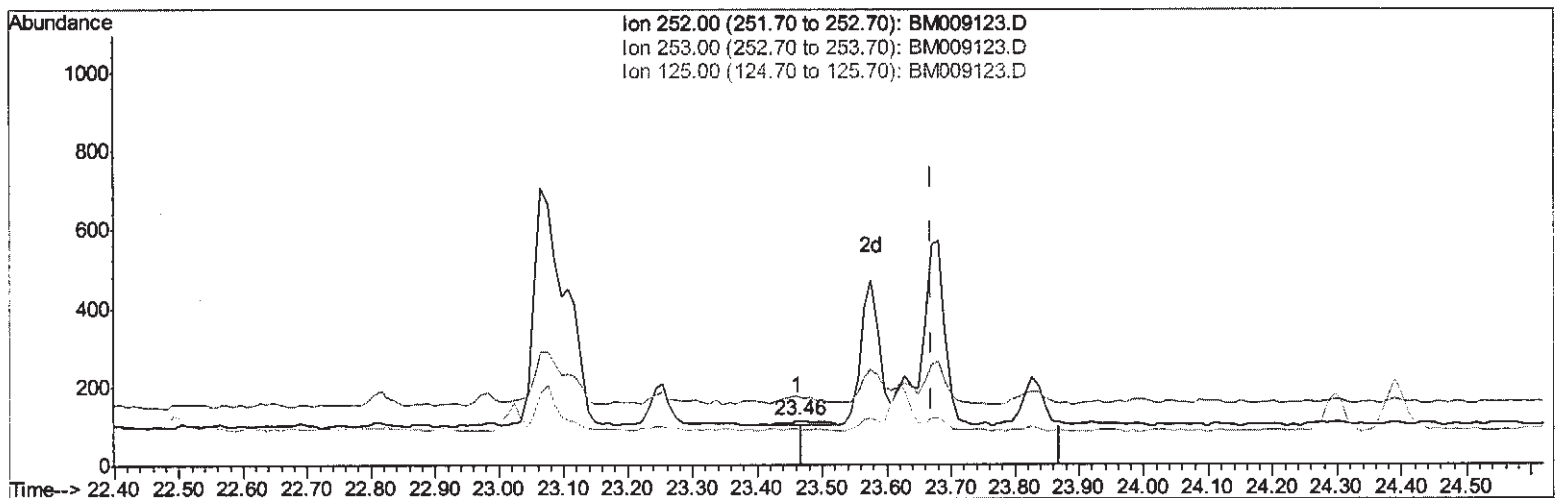
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
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Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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TIC: BM009123.D

(23) Benzo(a)pyrene (C)

23.462min (-0.209) 0.01ng/ul

response 42

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	156.14#
125.00	22.60	82.46#
0.00	0.00	0.00

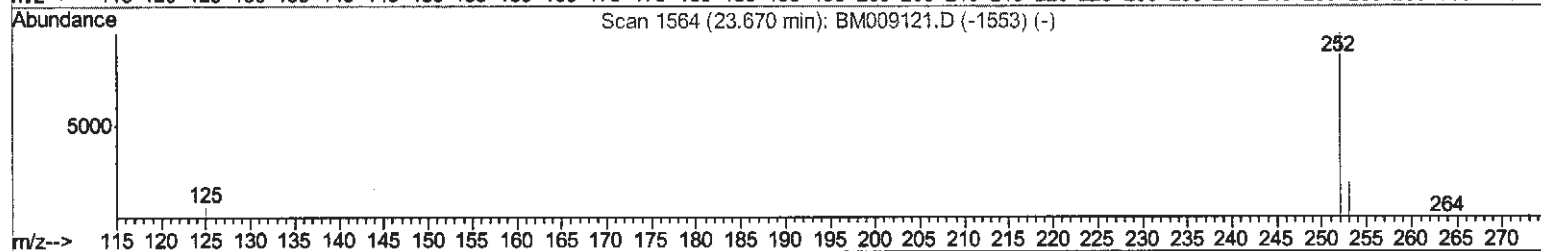
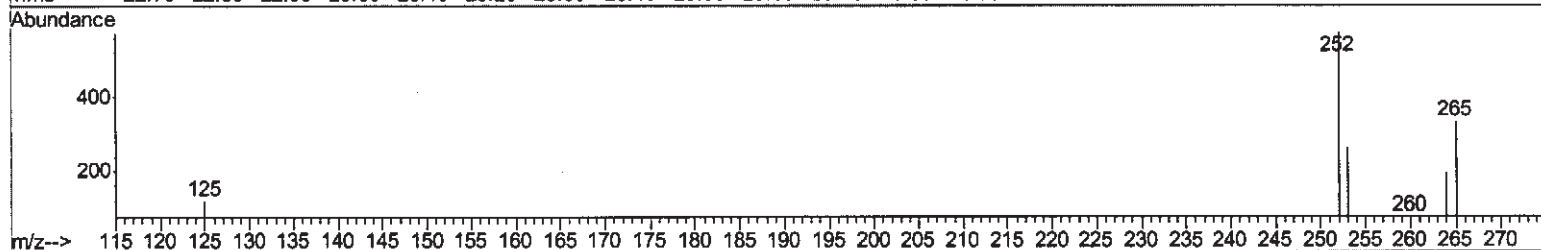
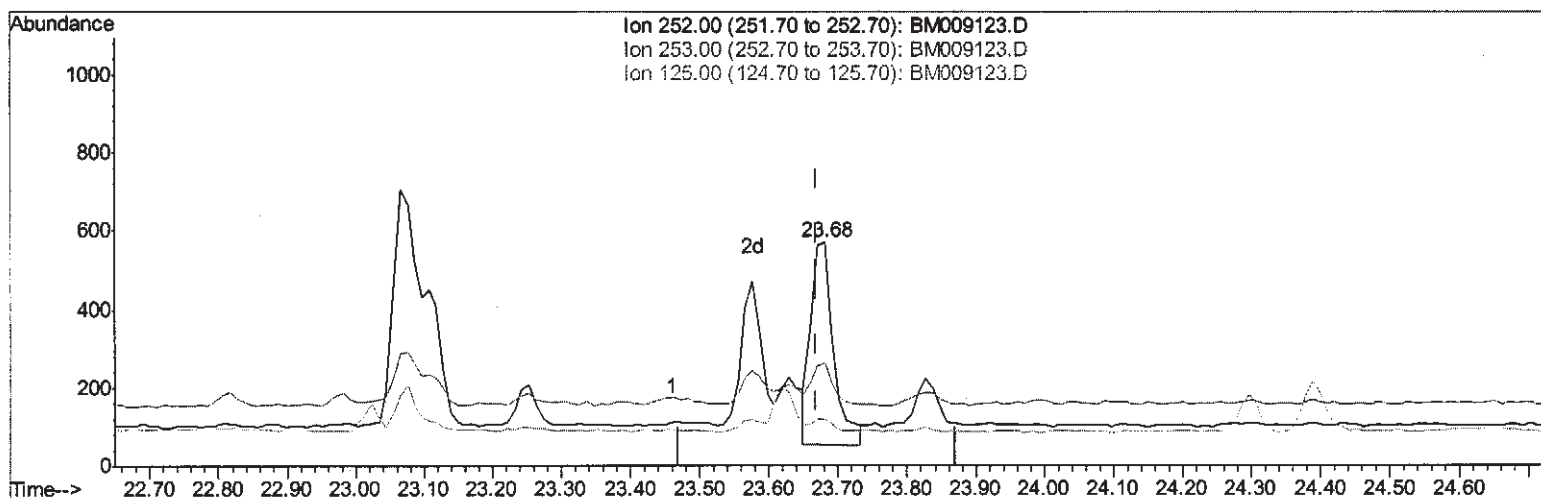
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Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: BM009123.D

(23) Benzo(a)pyrene (C)

23.681min (+0.010) 0.30ng/ul m SJ 3/16/17

response 1188

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	45.98#
125.00	22.60	20.98
0.00	0.00	0.00

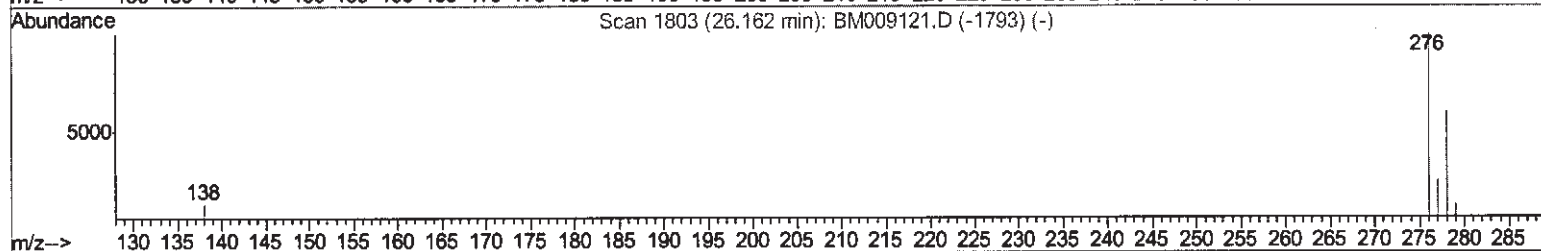
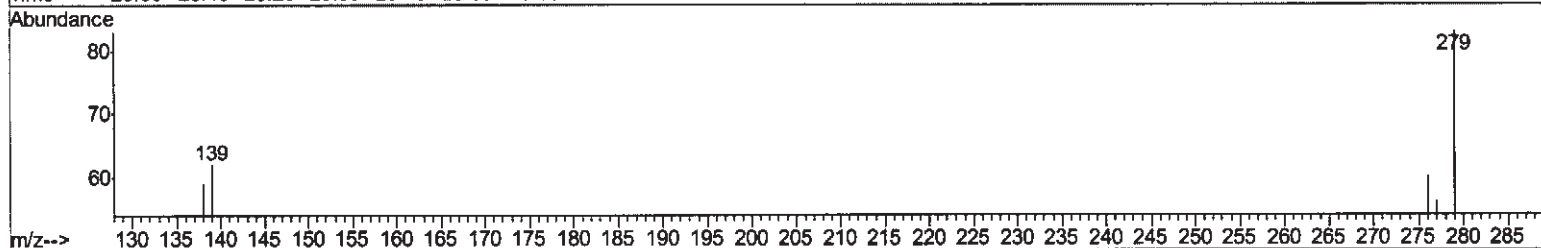
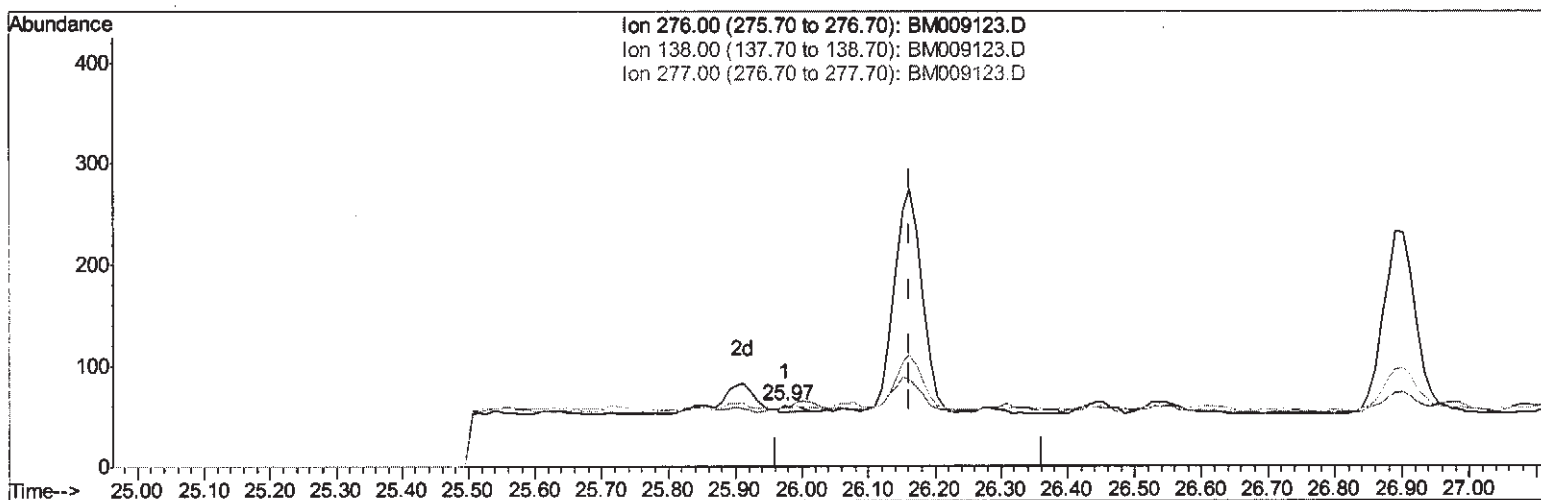
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TIC: BM009123.D

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

25.974min (-0.188) 0.00ng/ul

response 11

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

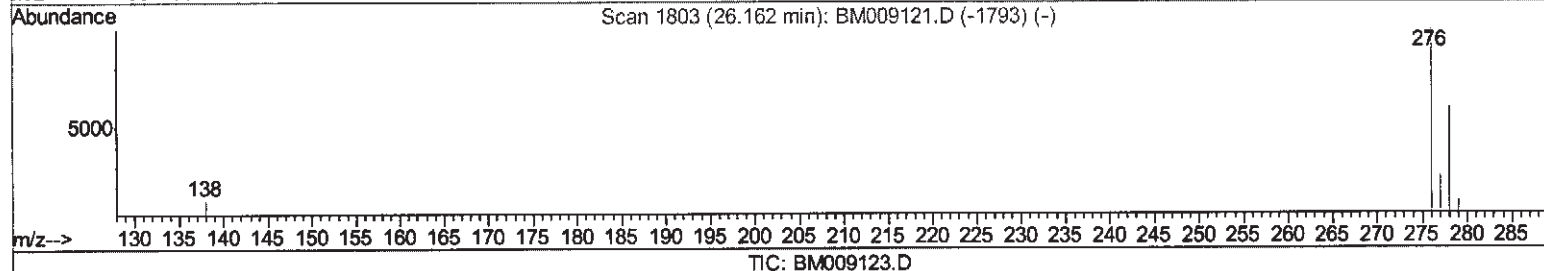
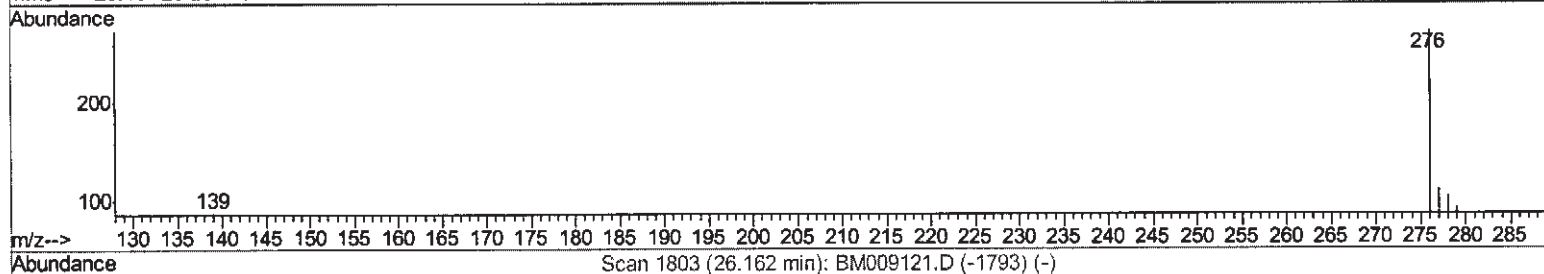
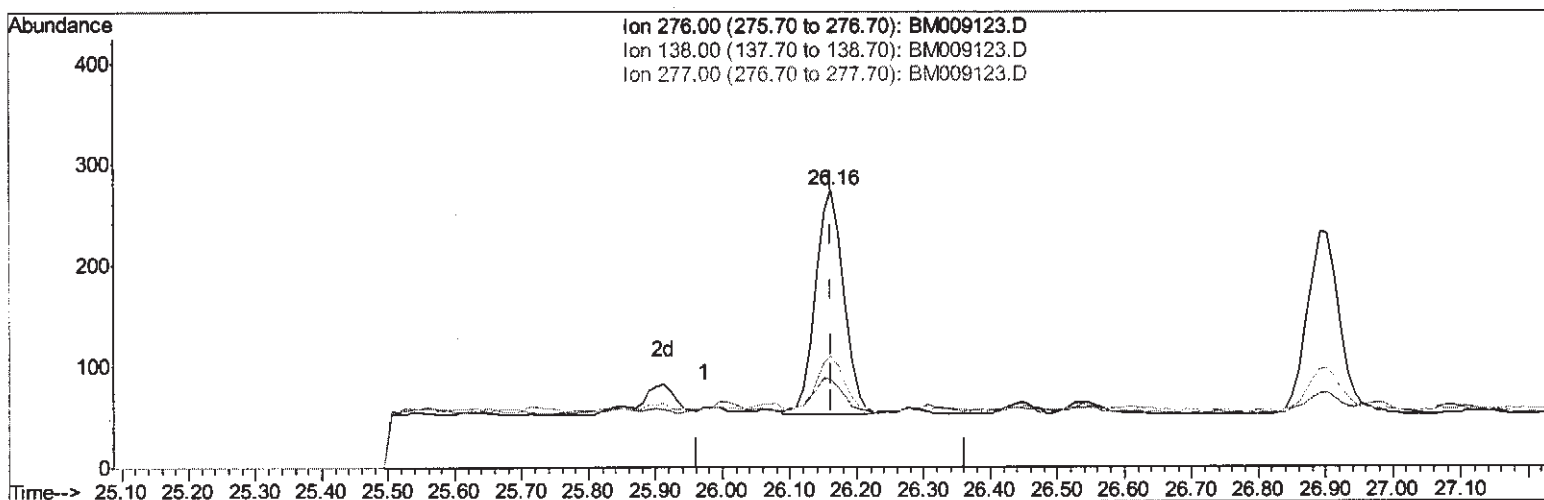
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Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

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QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



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

26.162min (-0.000) 0.13ng/ul m

SJ 3/10/17

response 649

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

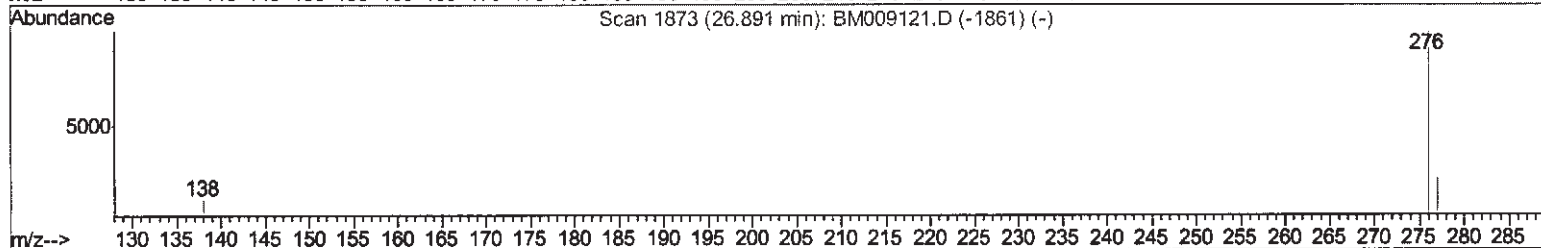
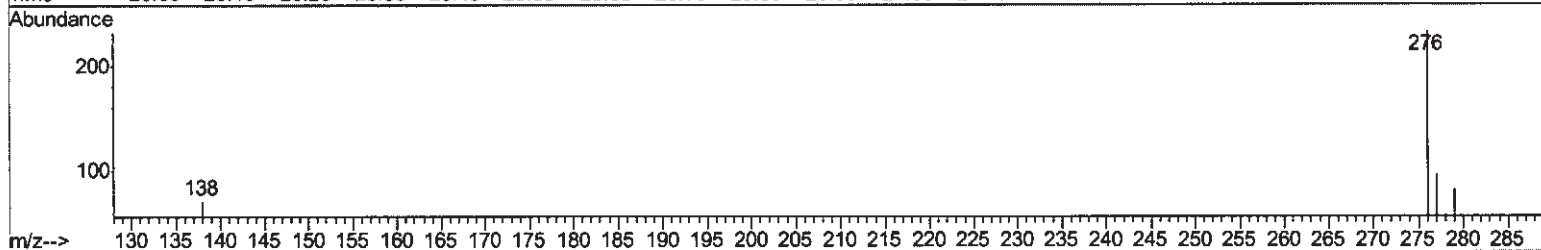
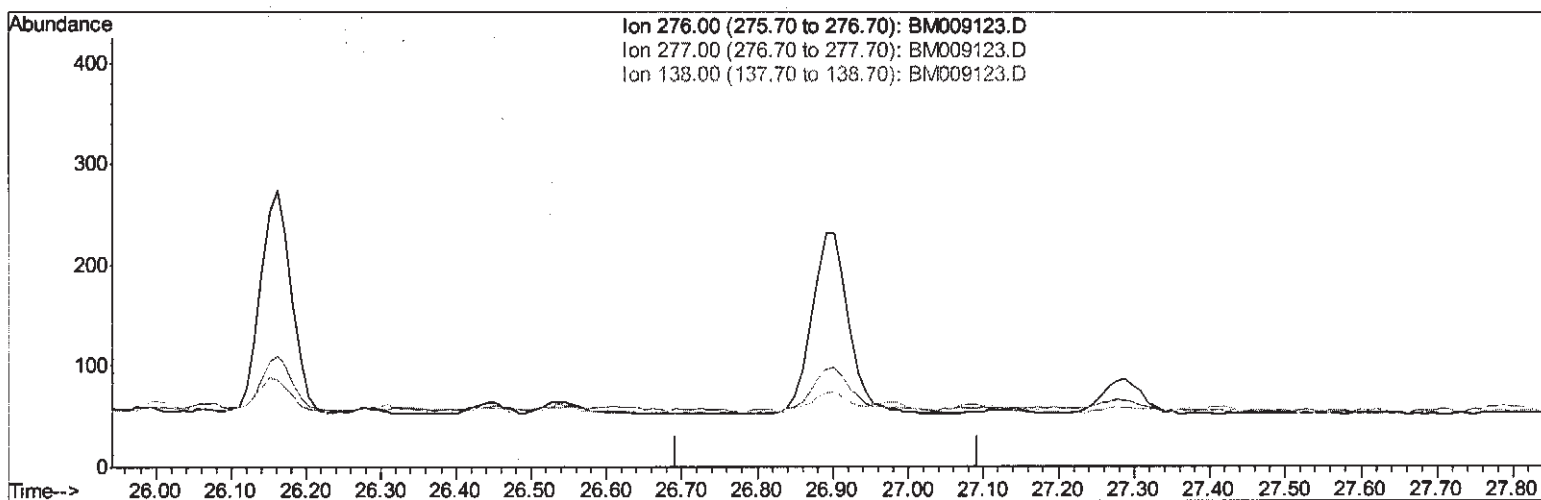
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:54:22 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

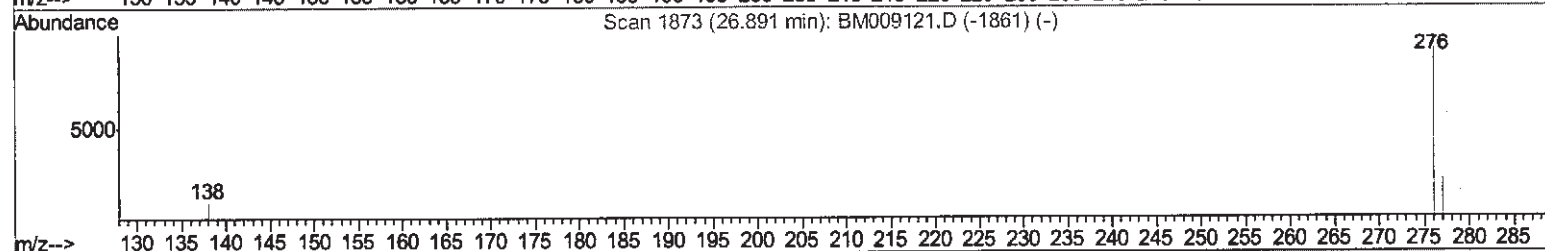
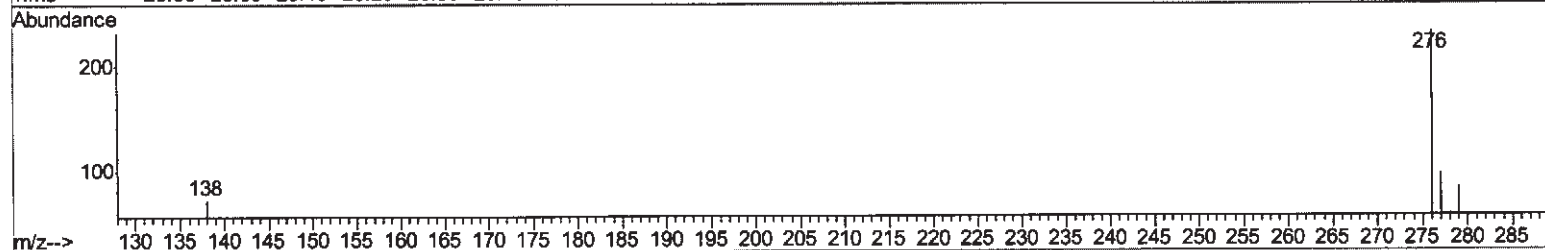
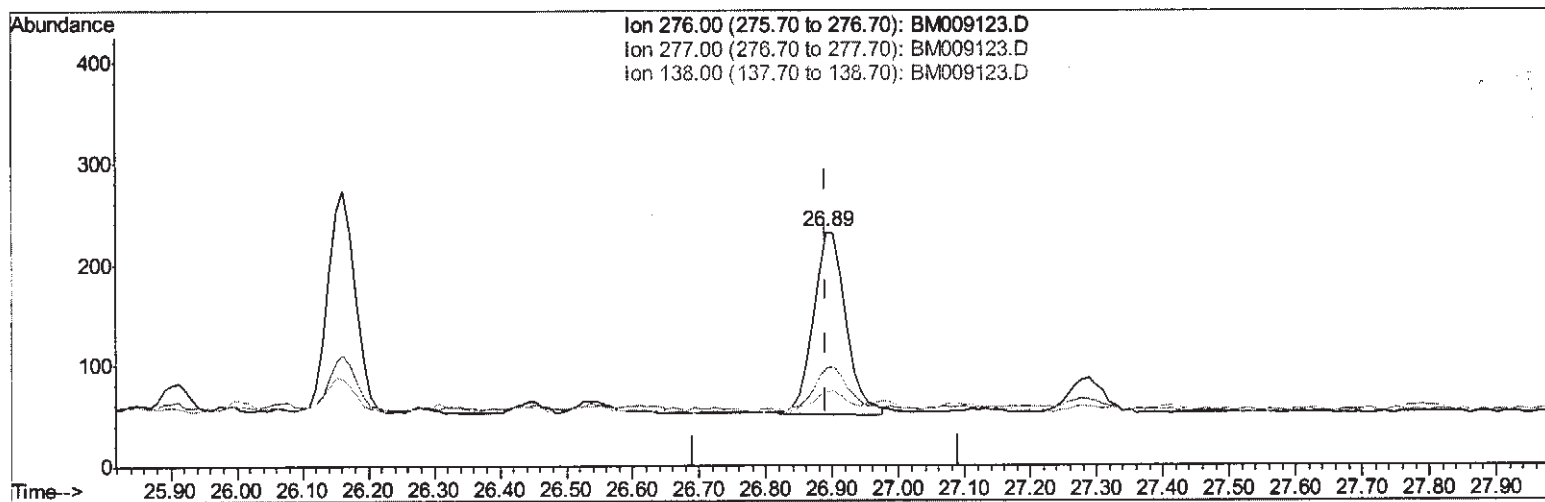
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009123.D
Acq On : 08 Mar 2017 23:29
Operator : SJ/MA
Sample : I2062-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:54:22 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: BM009123.D

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

26.891min (-0.000) 0.14ng/ul m

SJ 3/16/17

response 618

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	41.38#
138.00	25.60	31.03#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009123.D
 Acq On : 08 Mar 2017 23:29
 Operator : SJ/MA
 Sample : I2062-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK4

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:43 PM

Quant Time: Mar 09 02:57:17 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	266	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	849	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	495	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1140m	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	1189	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1120m	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	235	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	636	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	102	0.04	ng/ul#	10
12) Phenanthrene	17.31	178	491m	0.14	ng/ul	
13) Anthracene	17.40	178	162	0.05	ng/ul#	37
15) Fluoranthene	19.33	202	1581	0.34	ng/ul	96
17) Pyrene	19.69	202	1572	0.38	ng/ul	95
18) Benzo(a)anthracene	21.43	228	1153	0.29	ng/ul#	92
19) Chrysene	21.48	228	1008	0.27	ng/ul#	89
21) Benzo(b)fluoranthene	23.07	252	1551m	0.35	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	584m	0.15	ng/ul	
23) Benzo(a)pyrene	23.68	252	1188m	0.30	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.16	276	649m	0.13	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	618m	0.14	ng/ul	

} SJ 3/16/17

} SJ 3/16/17

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