

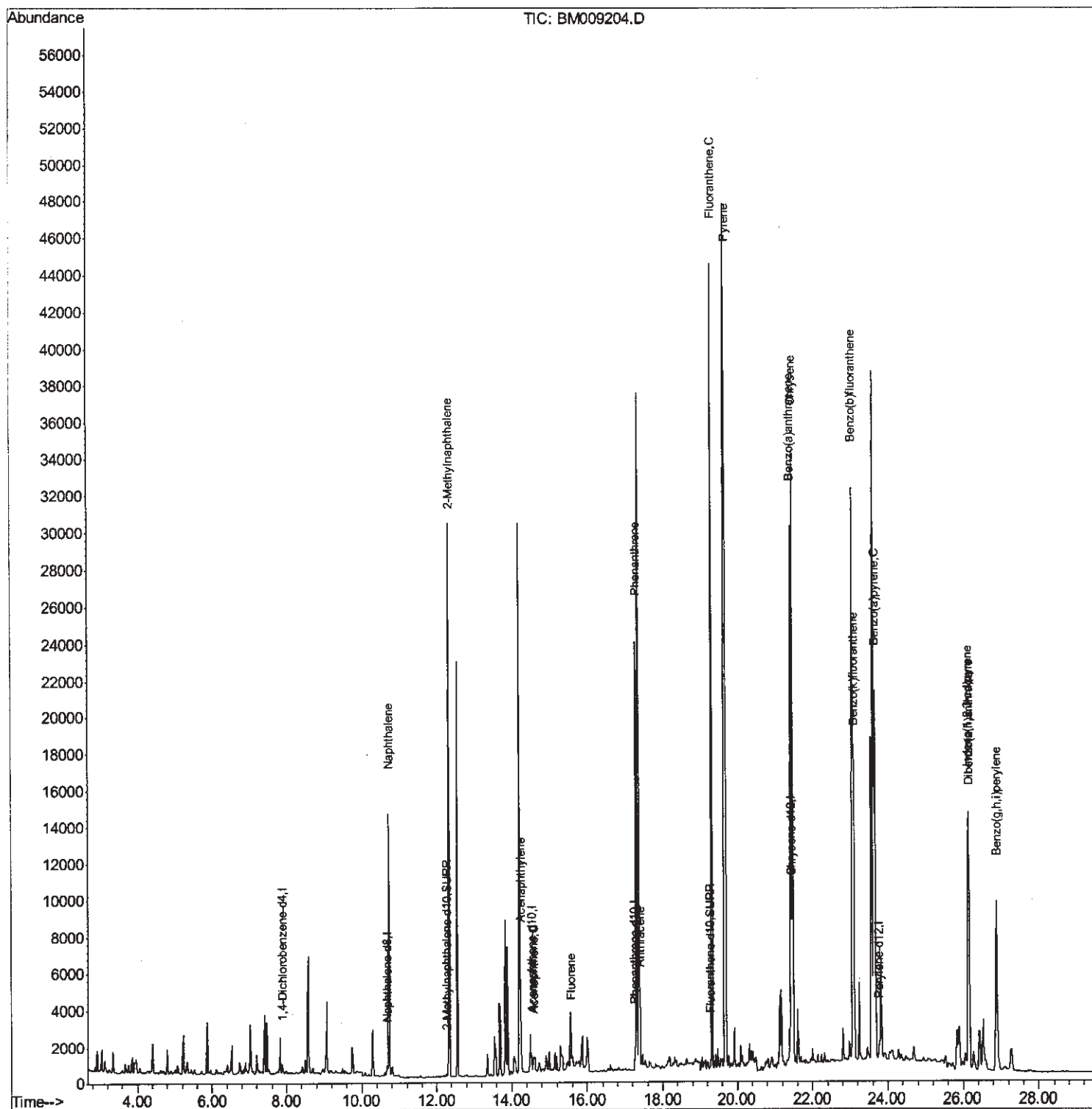
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:34:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



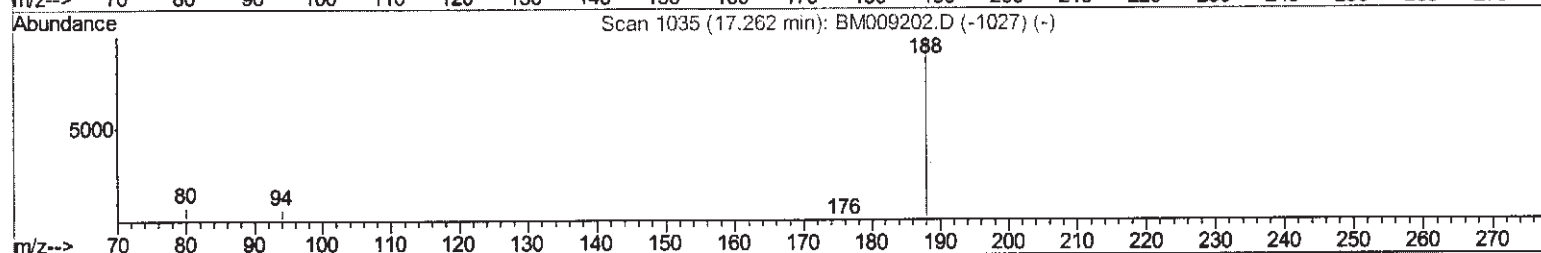
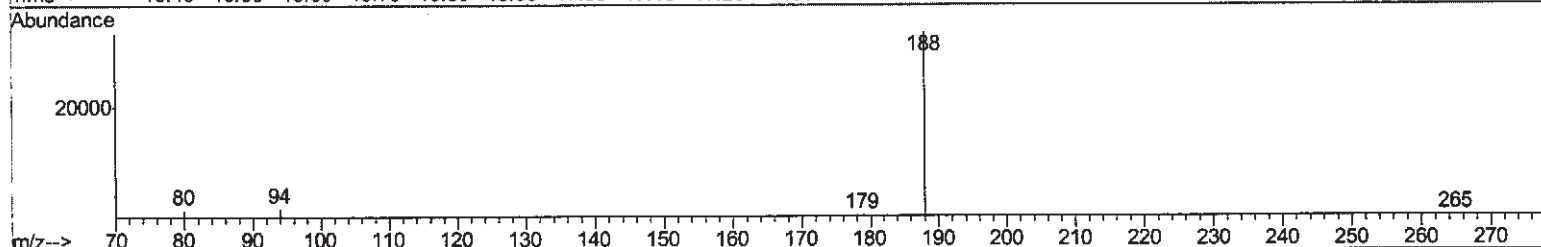
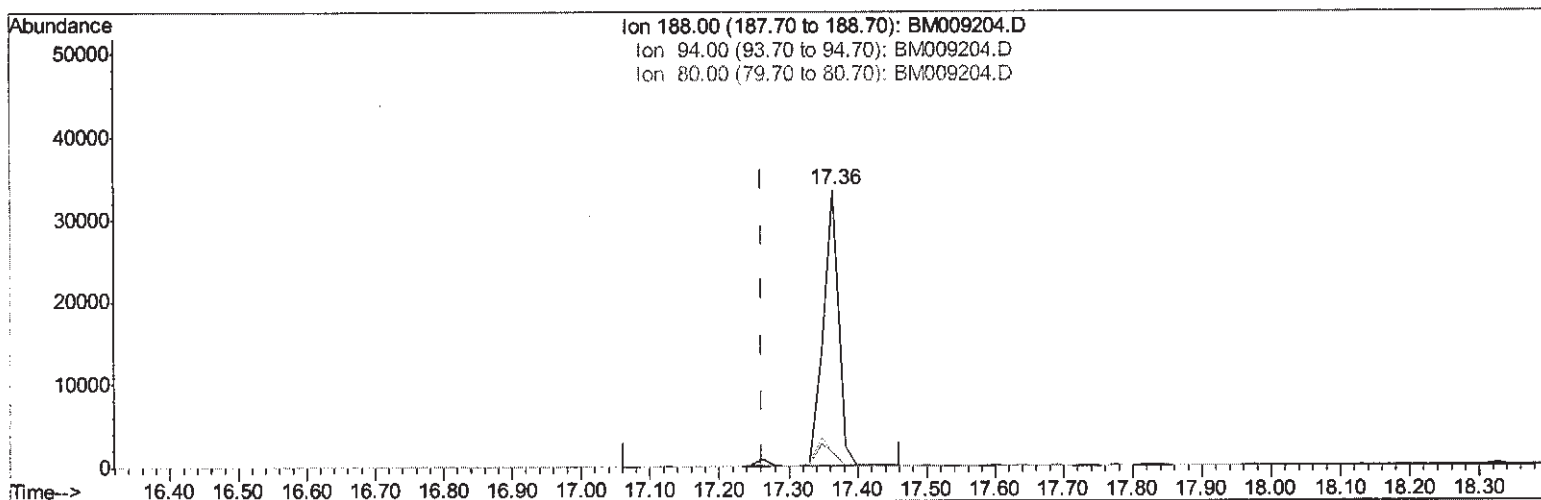
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
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Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:28:14 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



TIC: BM009204.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 51285

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.10#
80.00	11.80	4.51#
0.00	0.00	0.00

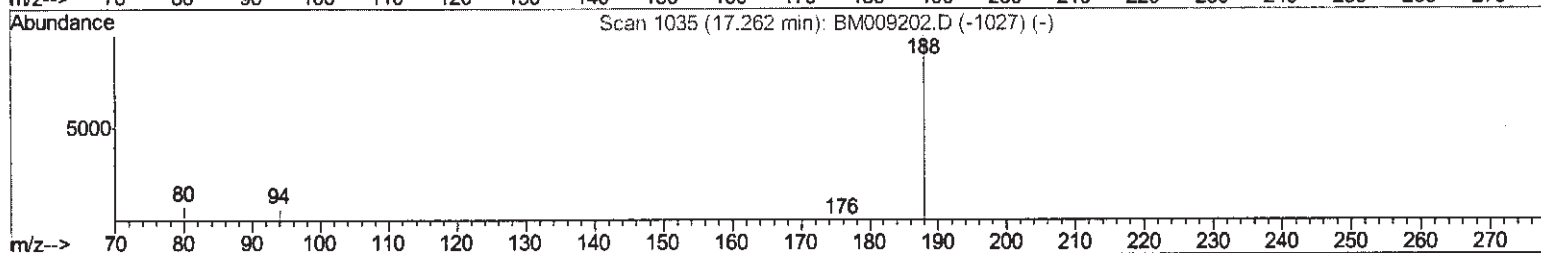
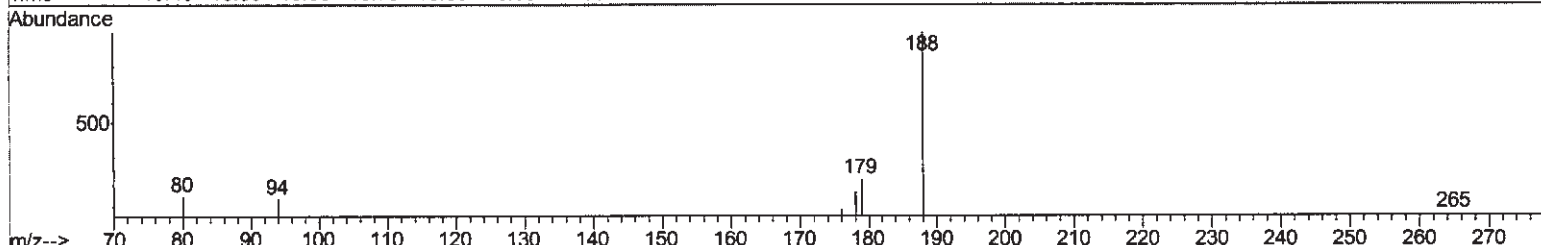
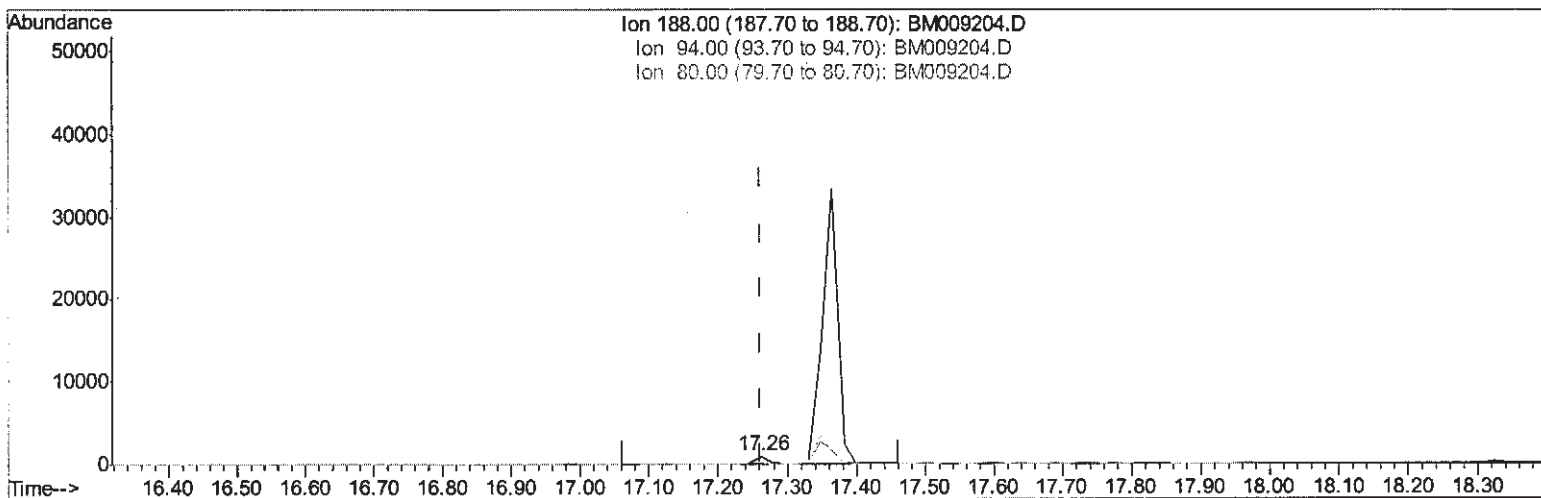
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:28:14 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009204.D

(10) Phenanthrene-d10 (I)

17.262min (0.000) 0.40ng/ul m

SJ 3/16/17

response 1232

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.89#
80.00	11.80	15.38#
0.00	0.00	0.00

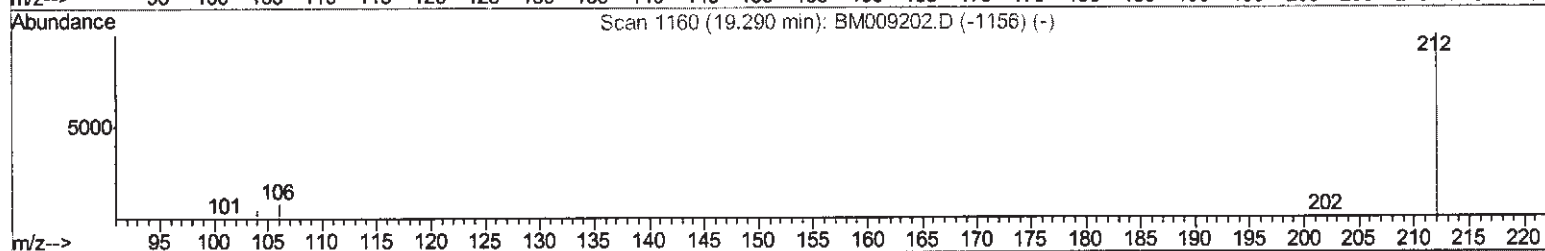
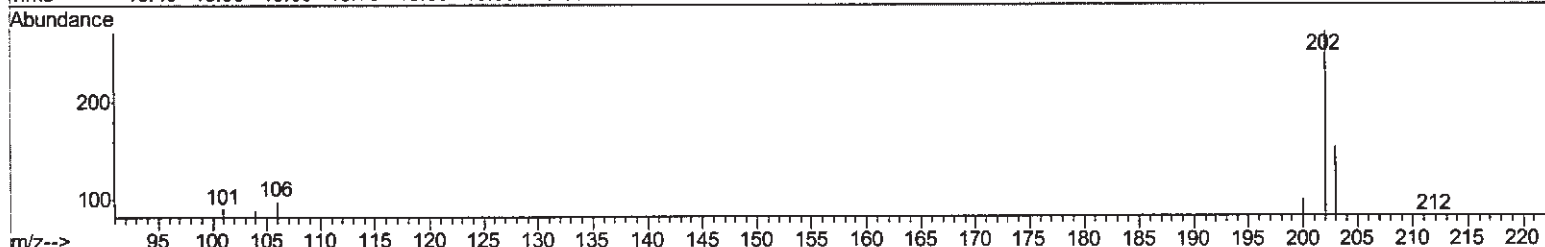
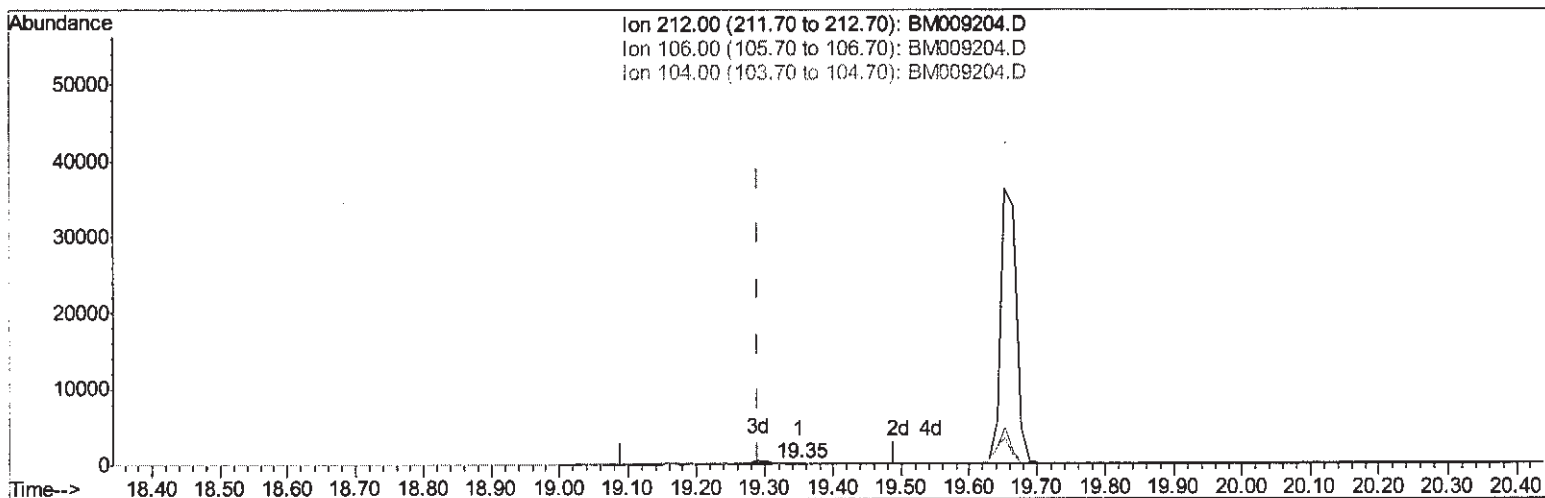
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:29:19 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: BM009204.D

(14) Fluoranthene-d10 (SURR)

19.350min (+0.061) 0.01ng/ul

response 30

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	46.67#
0.00	0.00	0.00

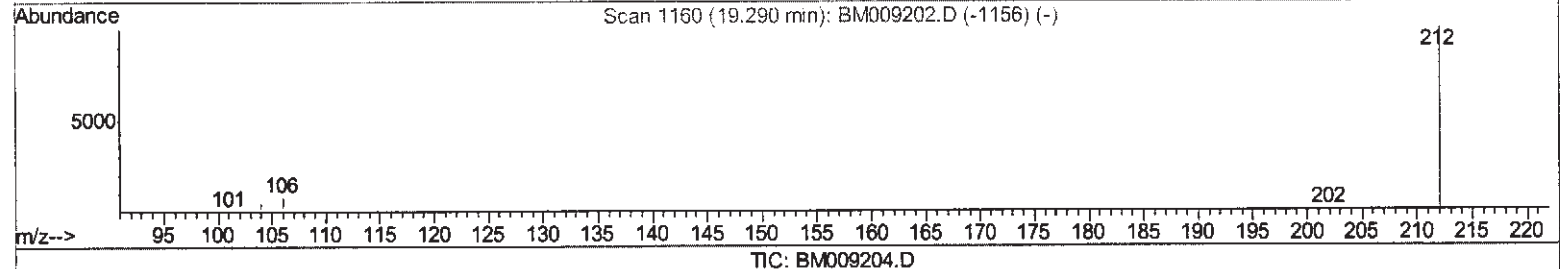
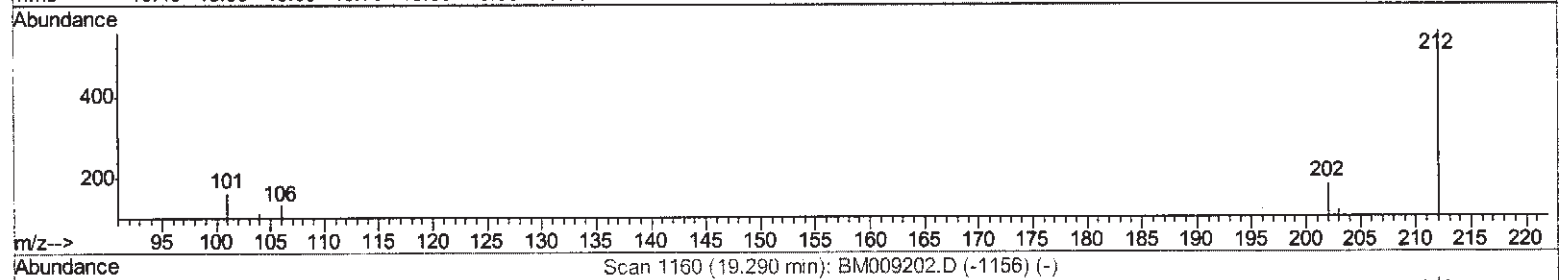
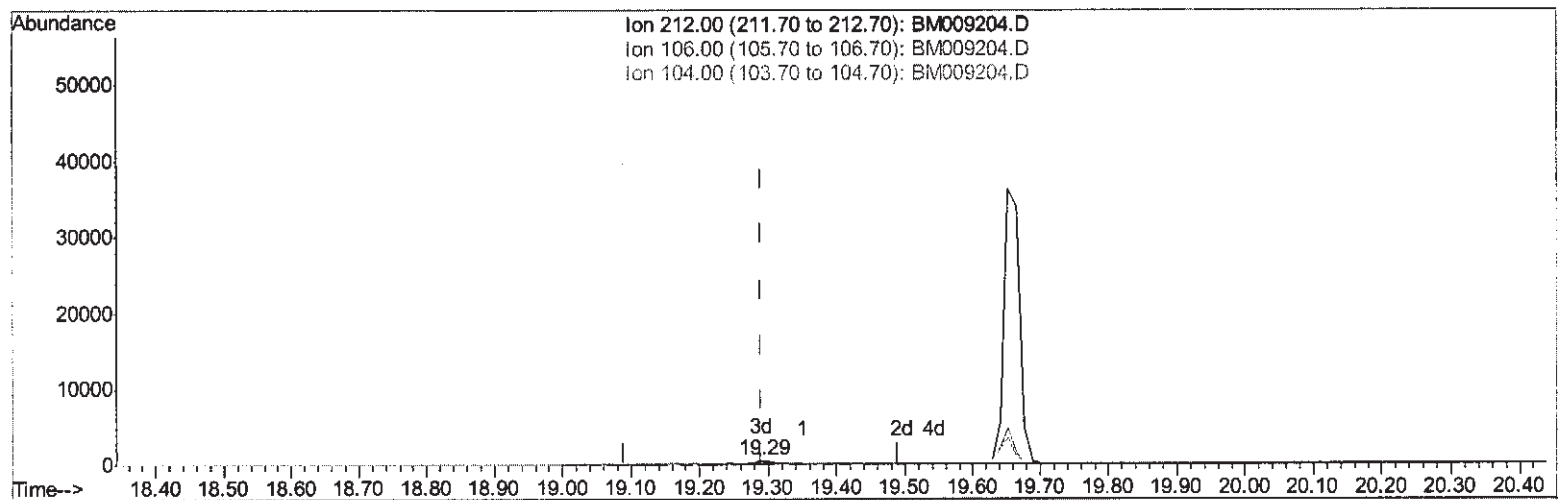
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:29:19 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.290min (0.000) 0.17ng/ul m 51 316119

response 657

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	2.13#
0.00	0.00	0.00

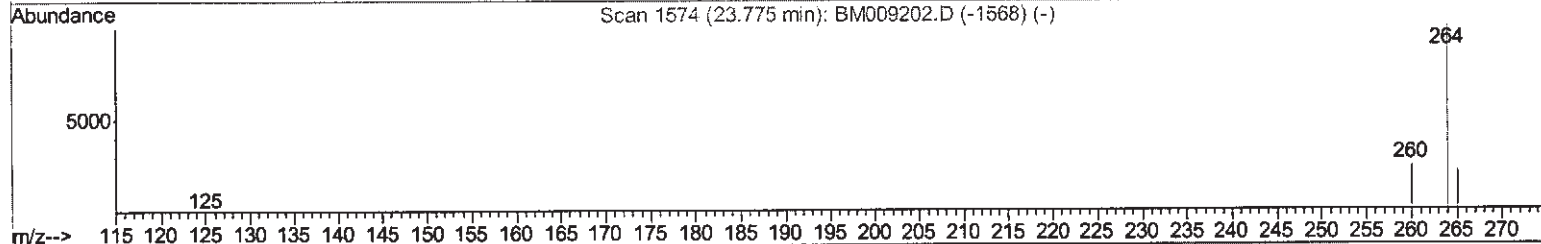
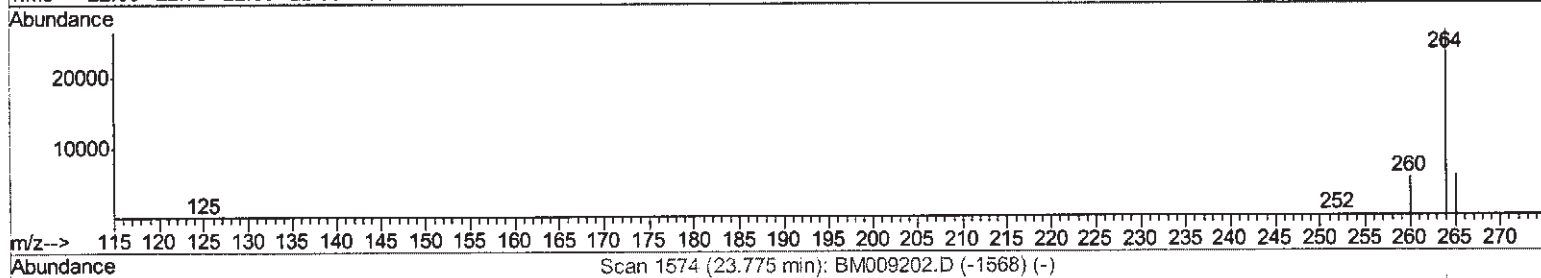
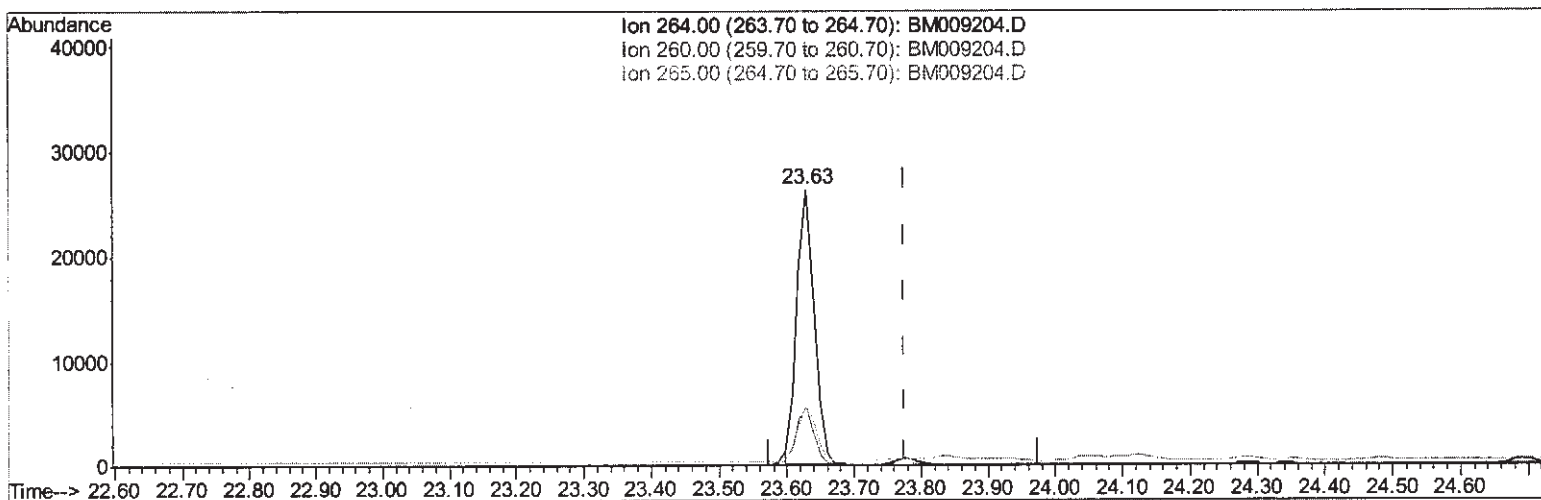
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

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Quant Time: Mar 13 11:29:19 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(20) Perylene-d12 (I)

23.629min (-0.146) 0.40ng/ul

response 48119

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.98#
265.00	103.50	22.40#
0.00	0.00	0.00

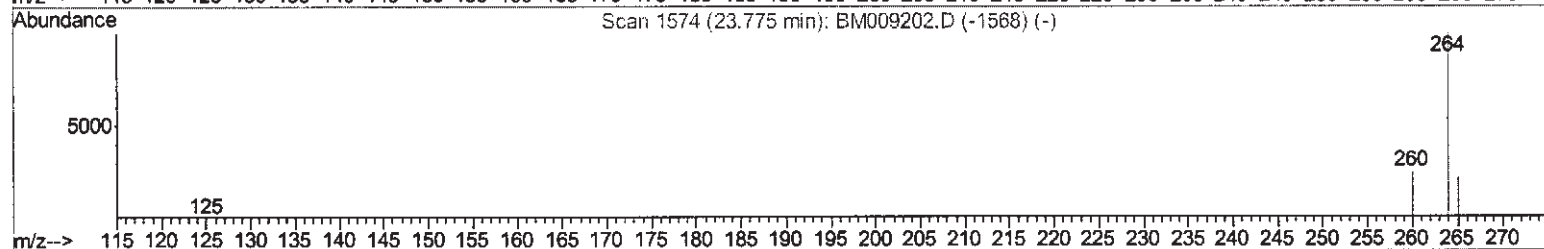
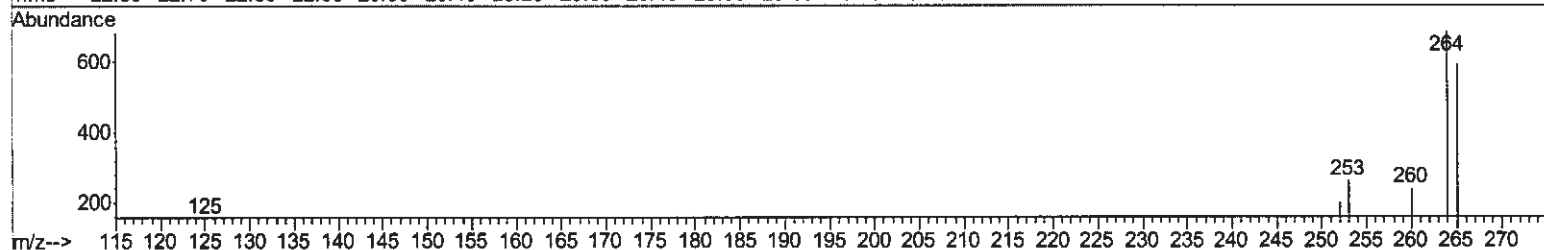
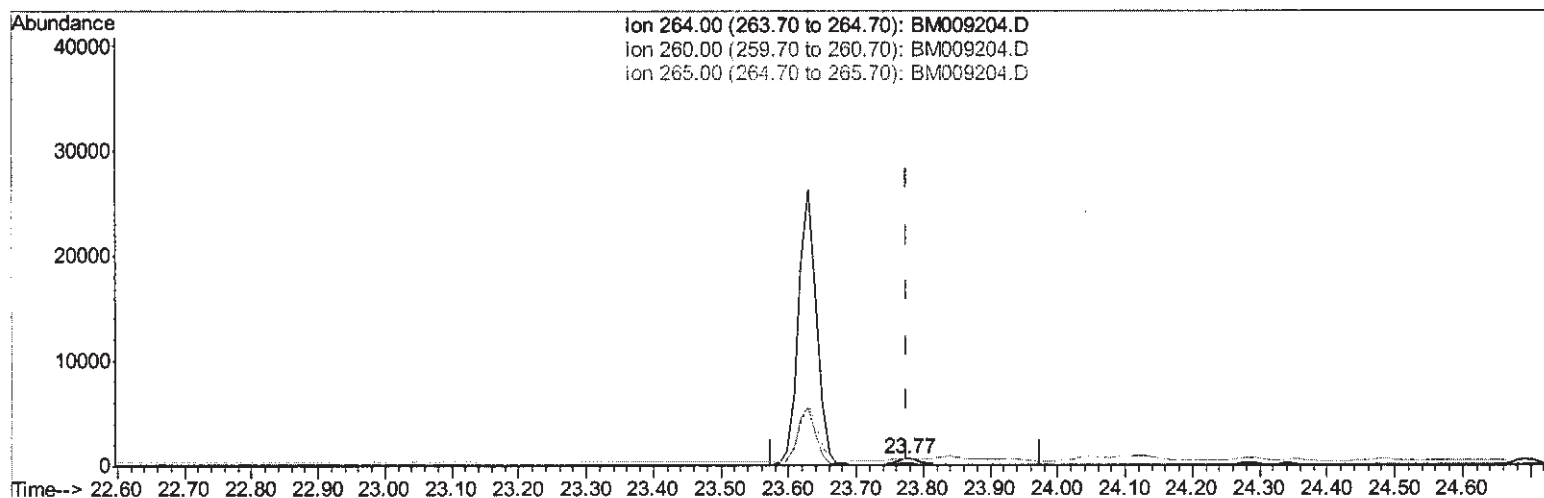
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
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Quant Time: Mar 13 11:29:19 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009204.D

(20) Perylene-d12 (I)

23.775min (0.000) 0.40ng/ul m

SJ 3/16/17

response 1124

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	34.80
265.00	103.50	86.26
0.00	0.00	0.00

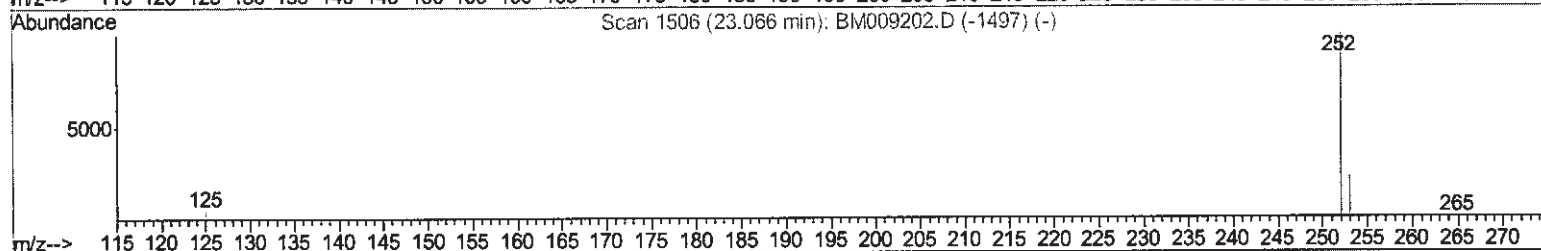
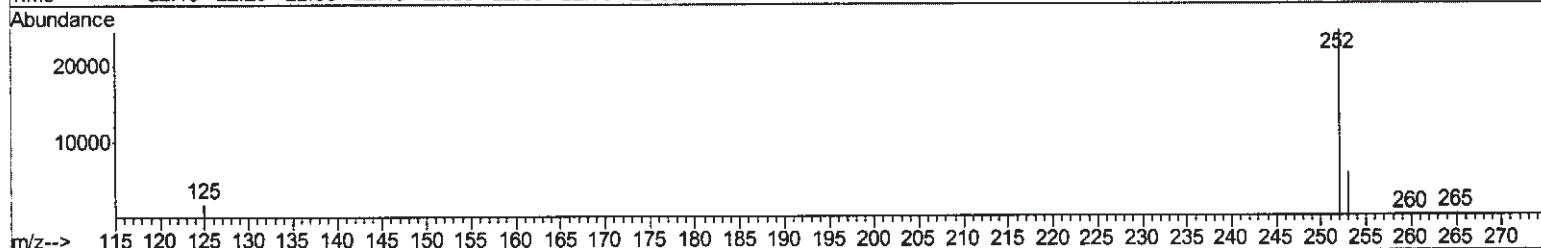
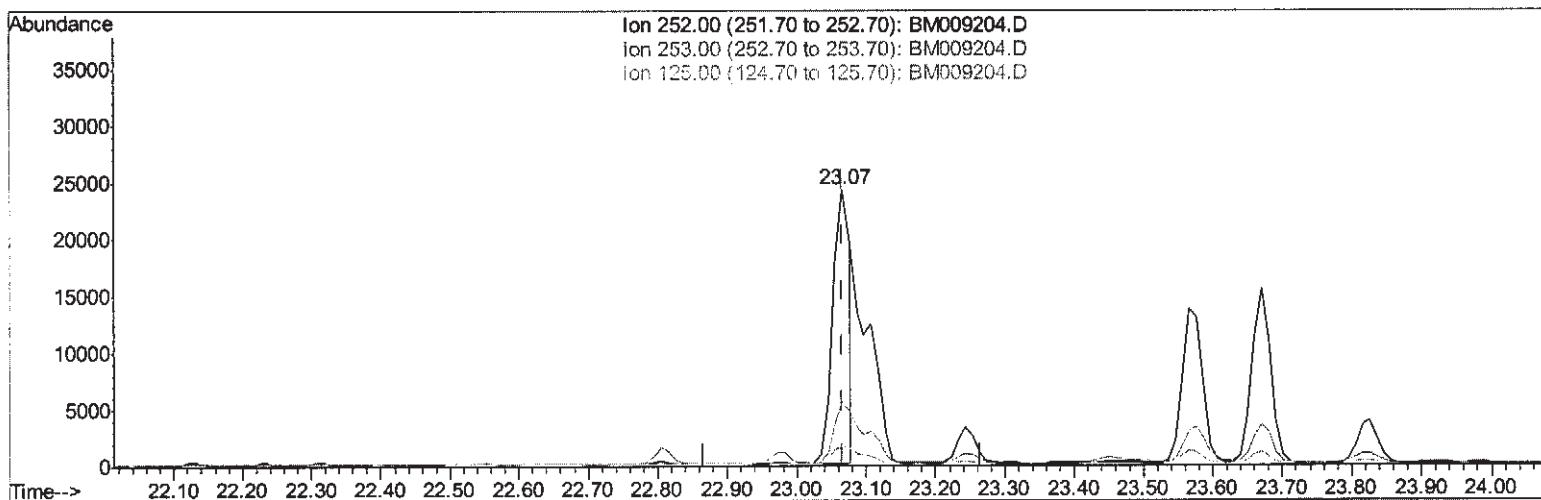
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Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.066min (0.000) 9.63ng/ul

response 42506

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.02
125.00	17.50	7.45
0.00	0.00	0.00

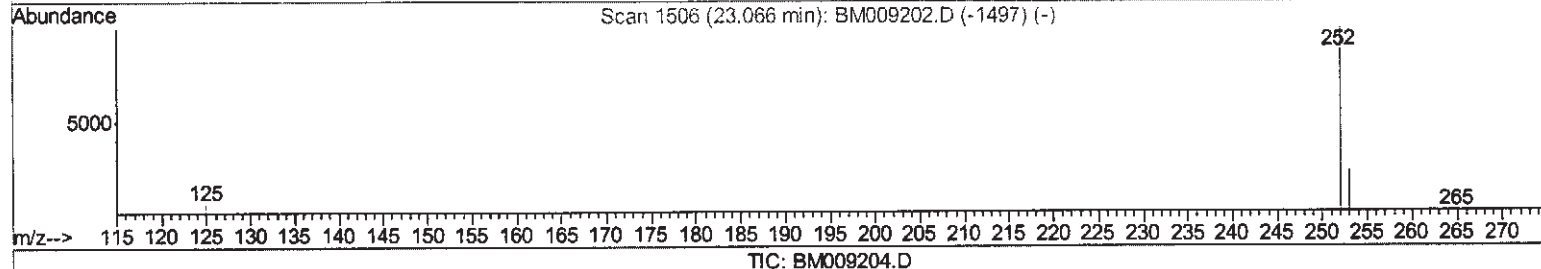
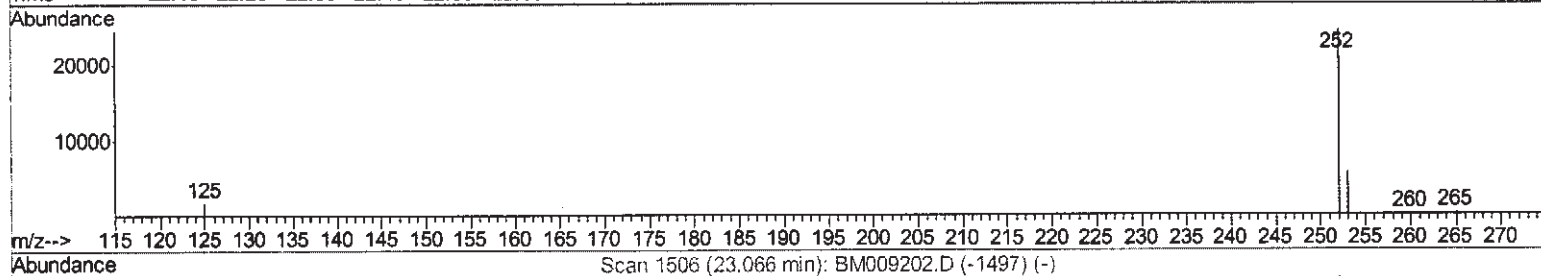
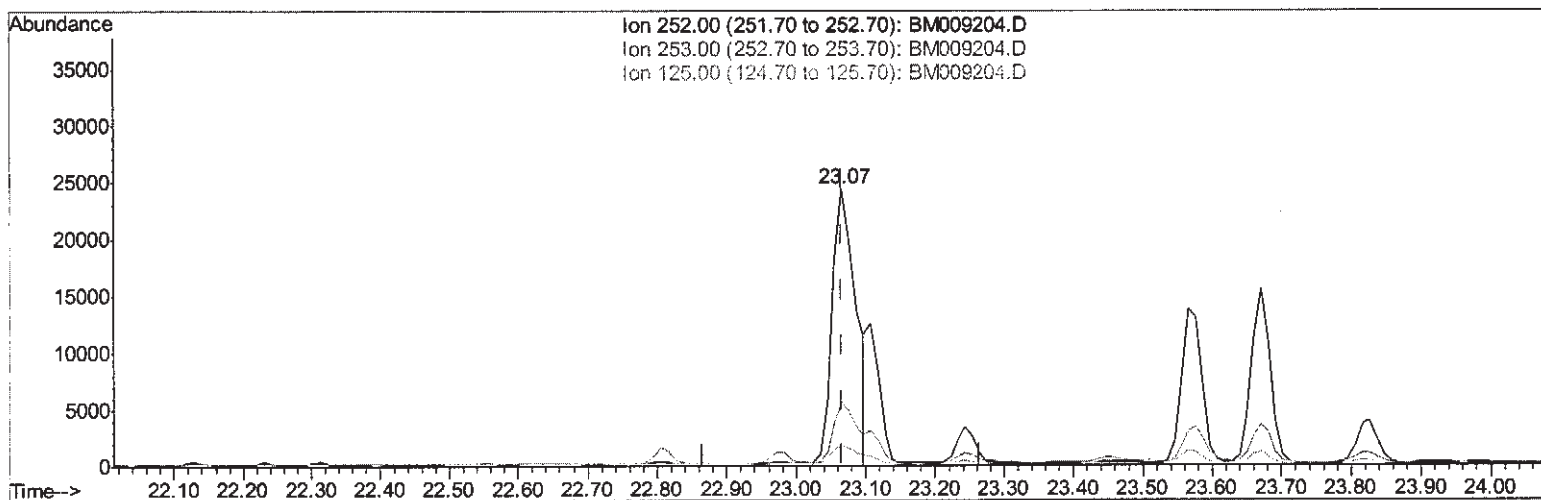
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 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



(21) Benzo(b)fluoranthene

23.066min (0.000) 13.32ng/ul m

SJ 3/16/17

response 58816

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.02
125.00	17.50	7.45
0.00	0.00	0.00

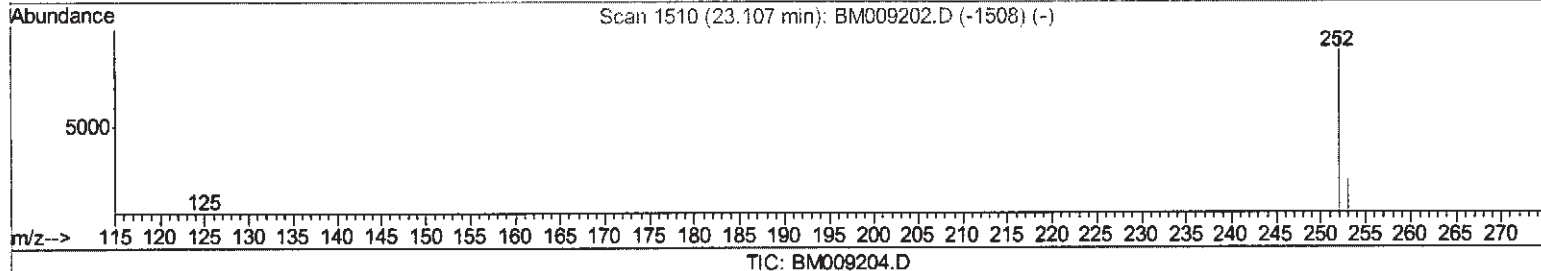
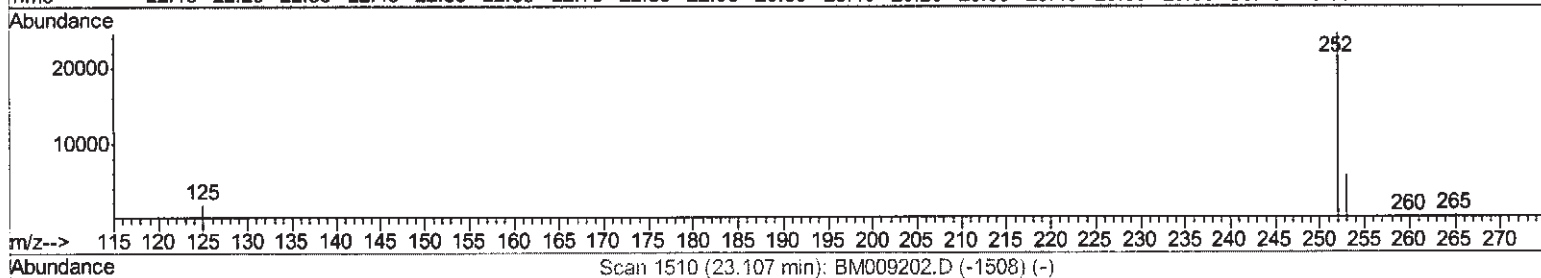
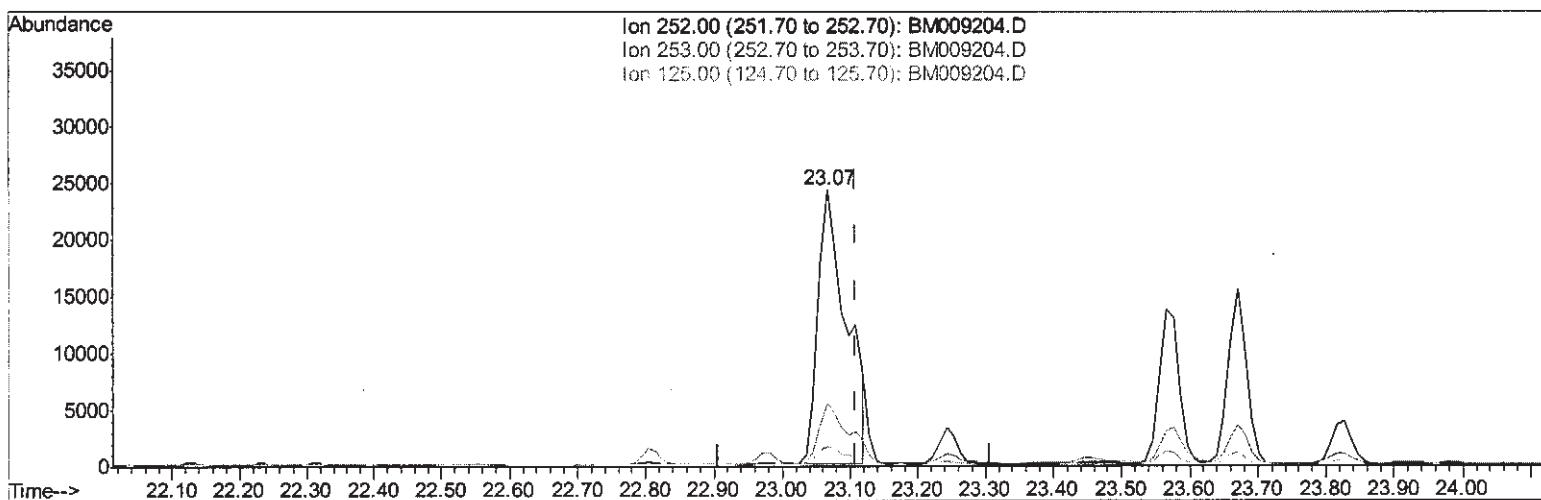
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.066min (-0.042) 18.13ng/ul

response 70787

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.02#
125.00	17.10	7.45#
0.00	0.00	0.00

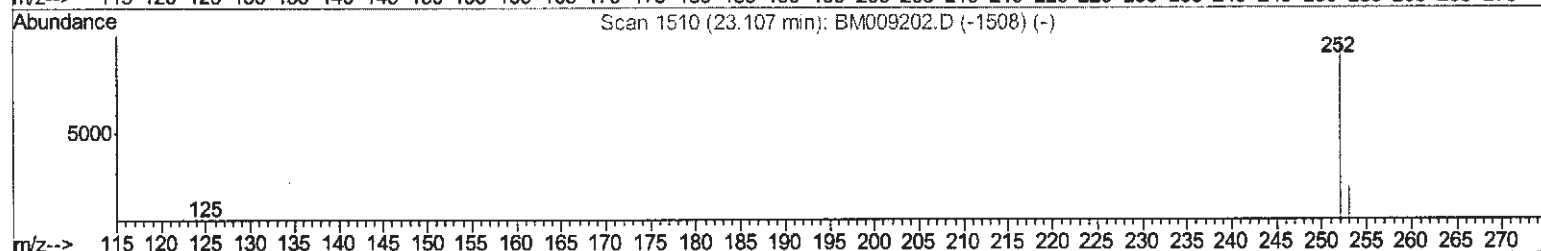
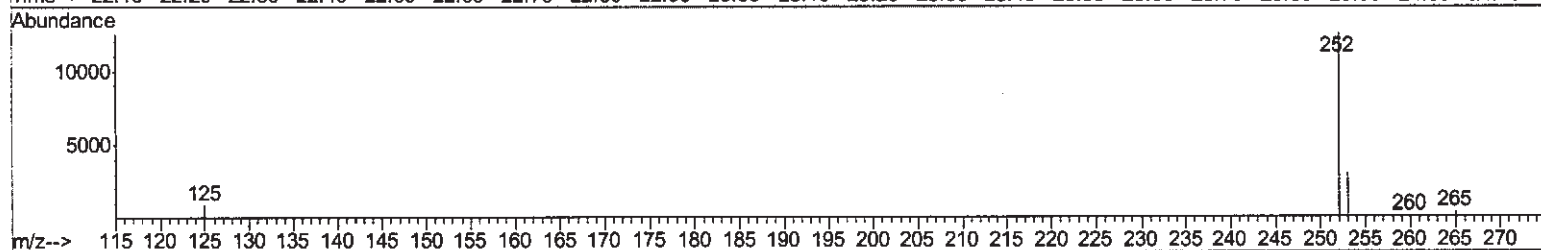
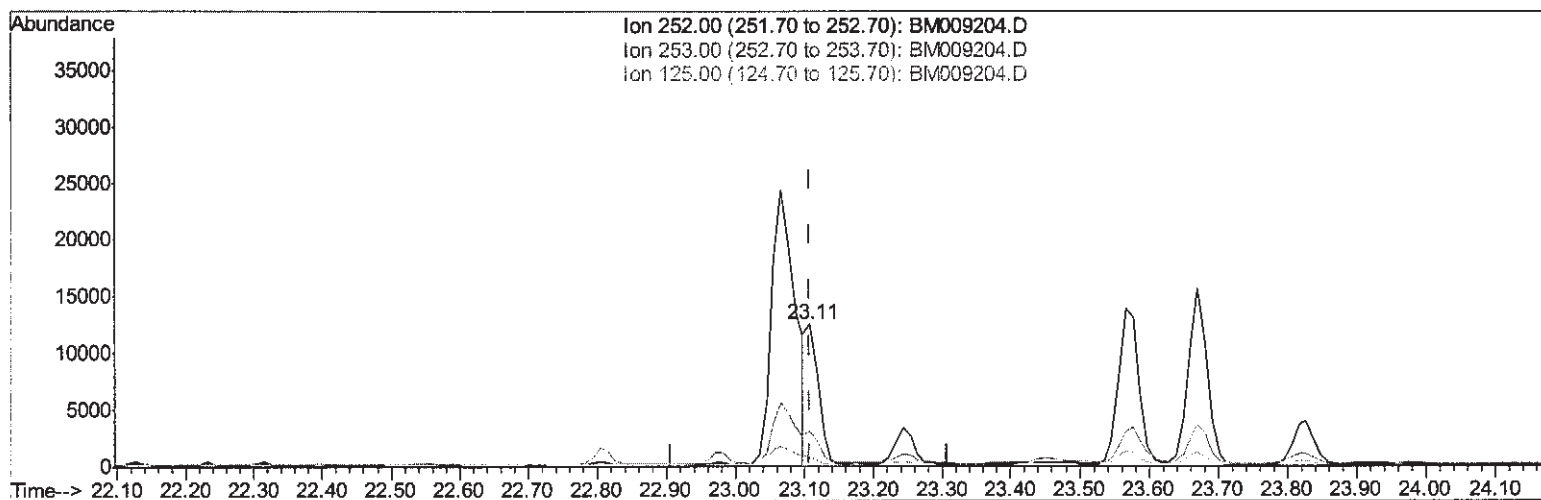
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009204.D

(22) Benzo(k)fluoranthene

23.107min (0.000) 4.01ng/ul m

SJ 3/16/17

response 15638

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.72
125.00	17.10	7.29#
0.00	0.00	0.00

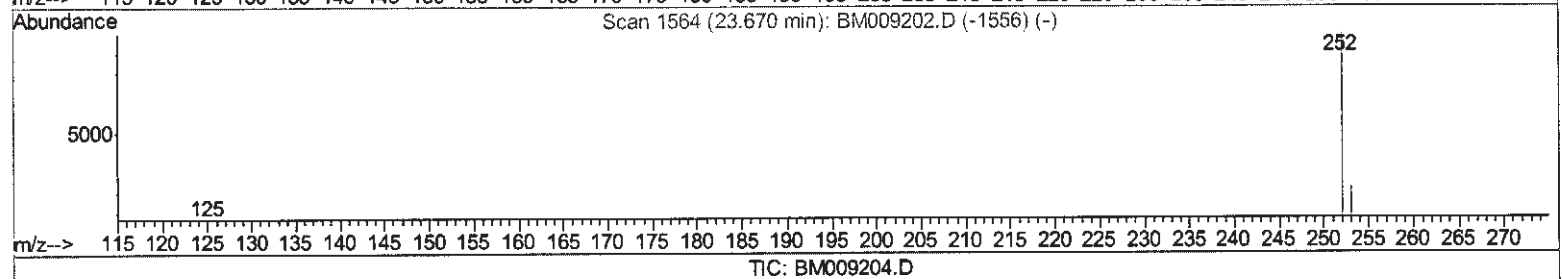
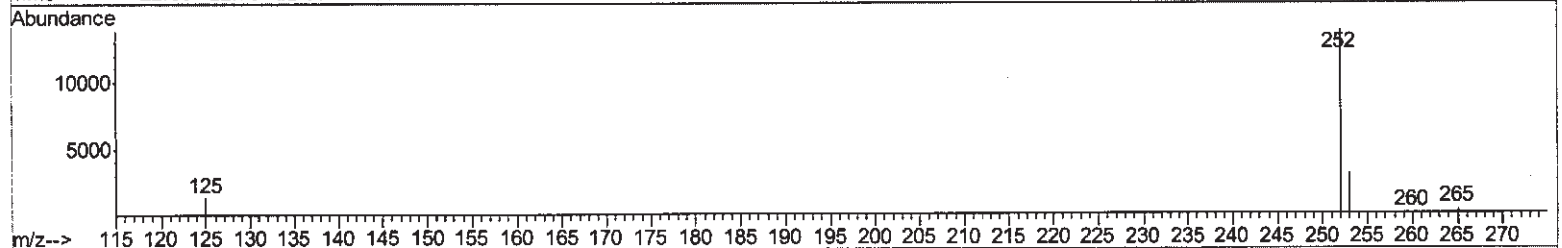
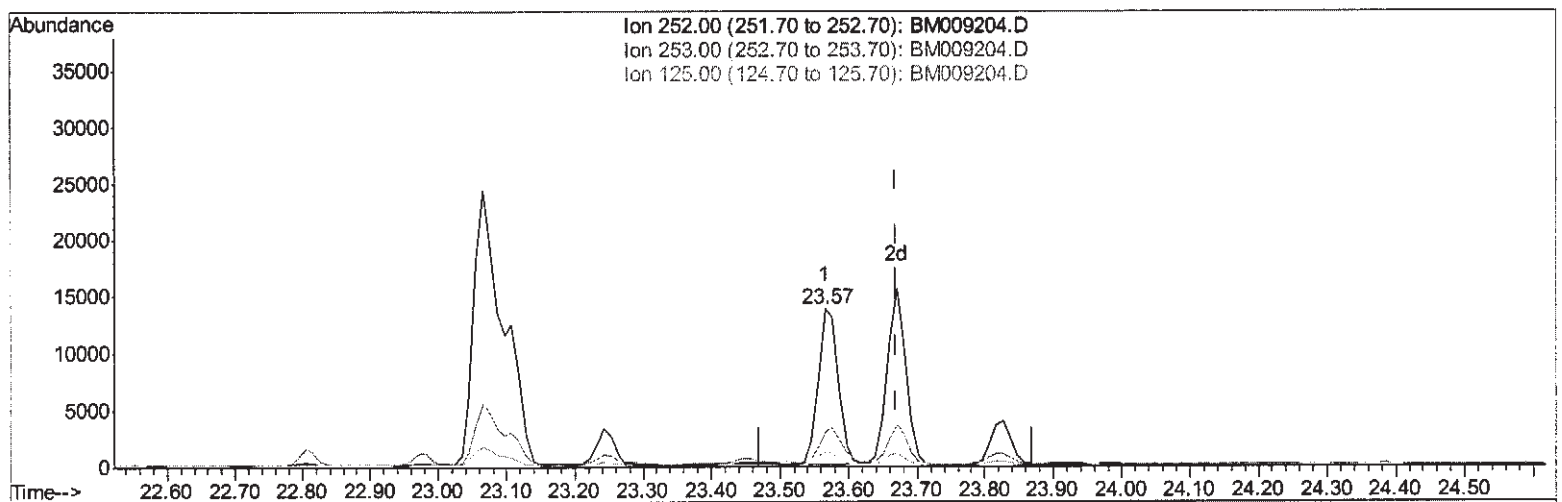
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Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

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Quant Time: Mar 13 11:31:21 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(23) Benzo(a)pyrene (C)

23.566min (-0.104) 6.98ng/ui

response 27744

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.54#
125.00	22.60	10.01#
0.00	0.00	0.00

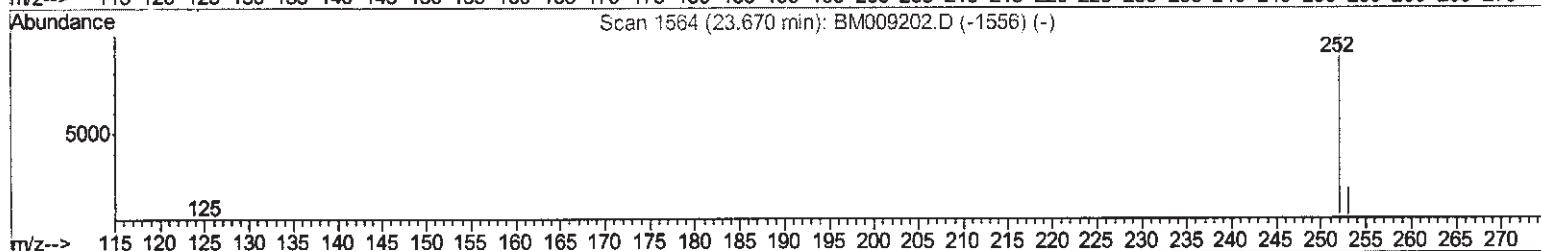
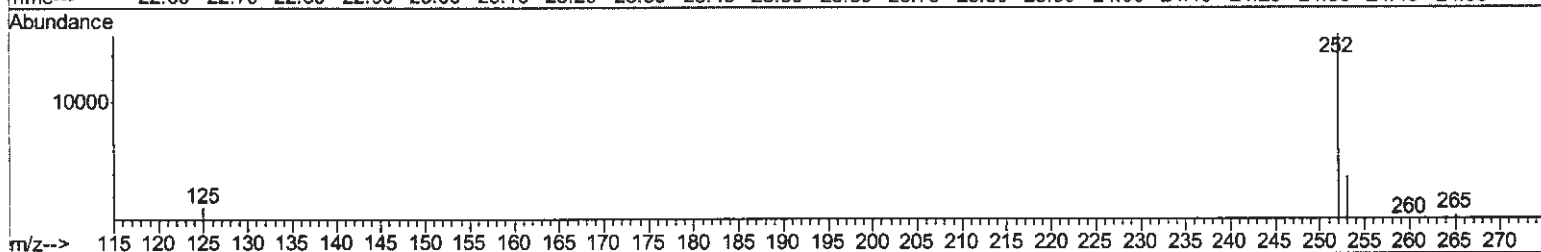
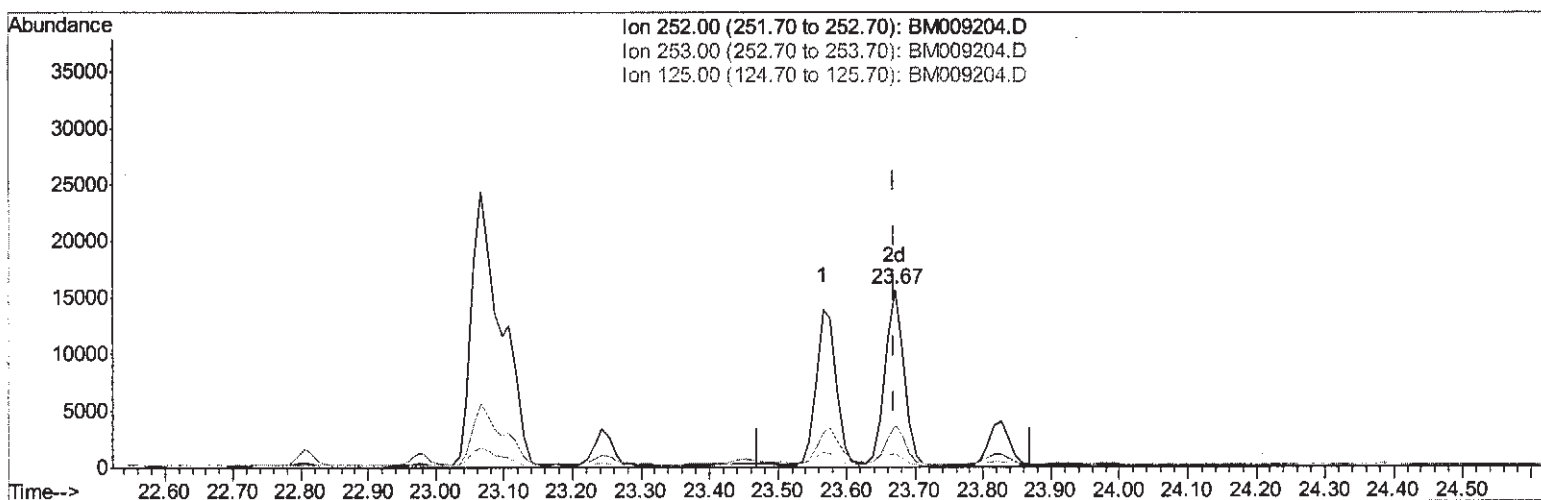
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
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Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

mohammad
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Quant Time: Mar 13 11:31:21 2017
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TIC: BM009204.D

(23) Benzo(a)pyrene (C)

23.670min (0.000) 7.67ng/ul m SJ 3/16/17

response 30475

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.64#
125.00	22.60	7.51#
0.00	0.00	0.00

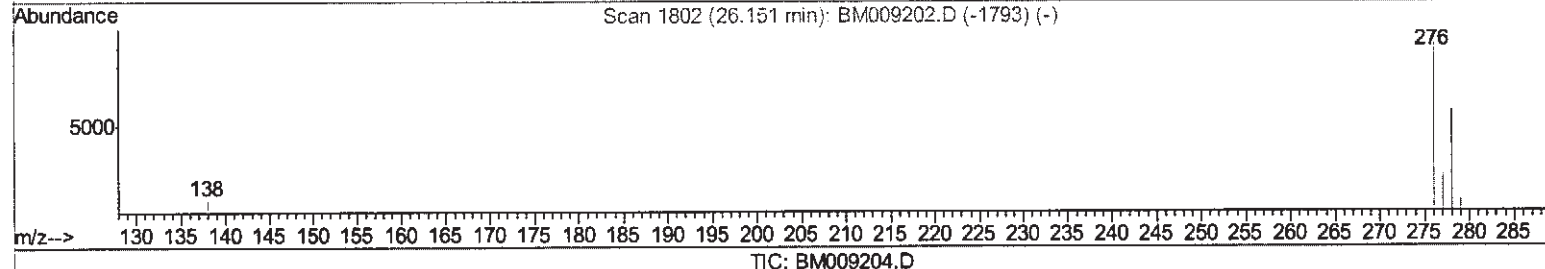
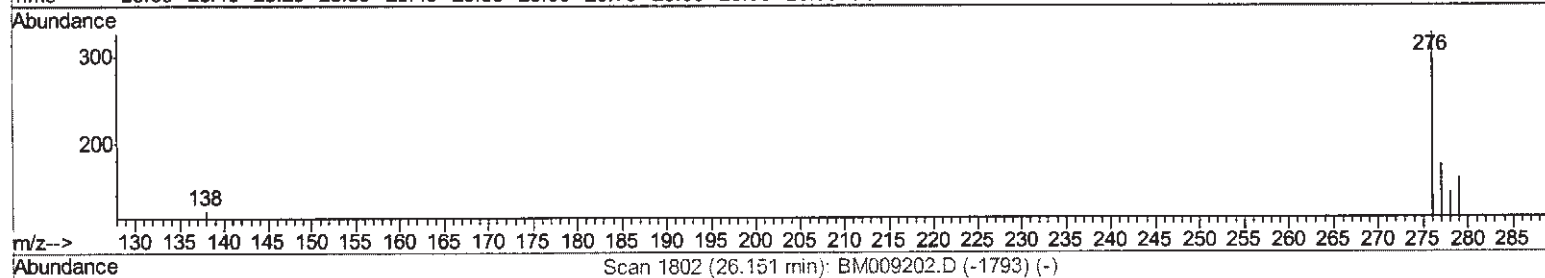
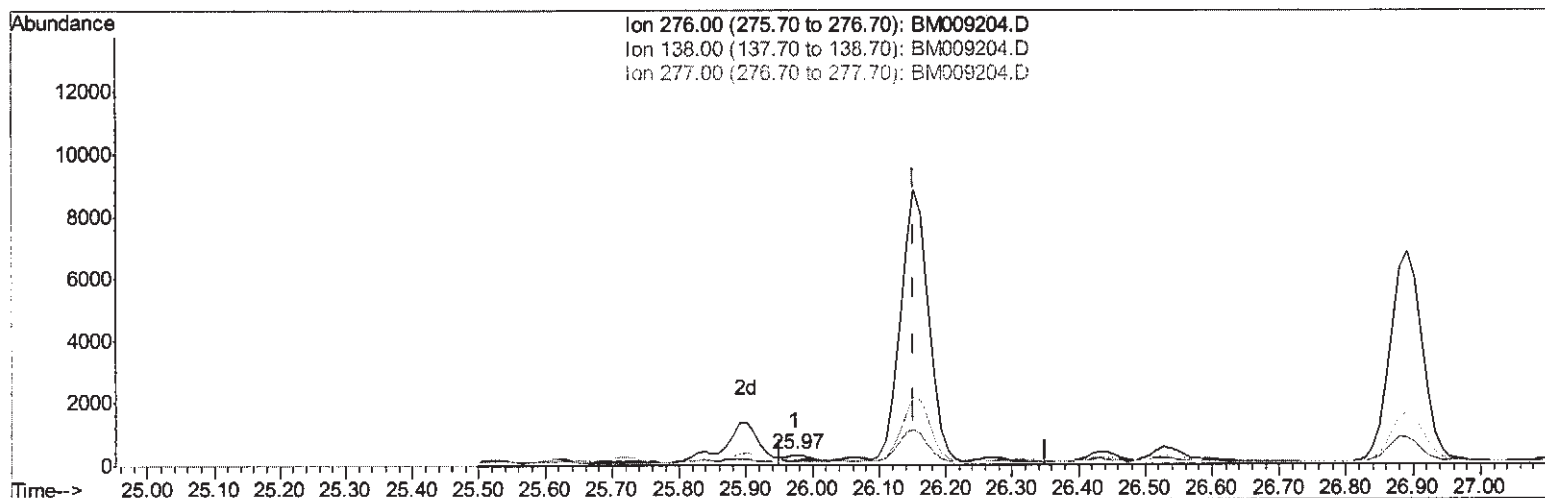
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Data File : BM009204.D
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Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

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

25.974min (-0.177) 0.08ng/ul

response 422

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	17.30#
277.00	24.50	0.00#
0.00	0.00	0.00

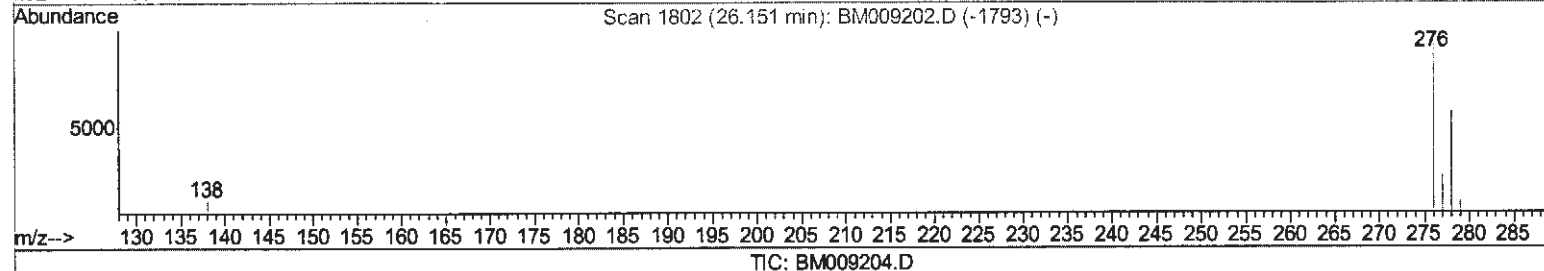
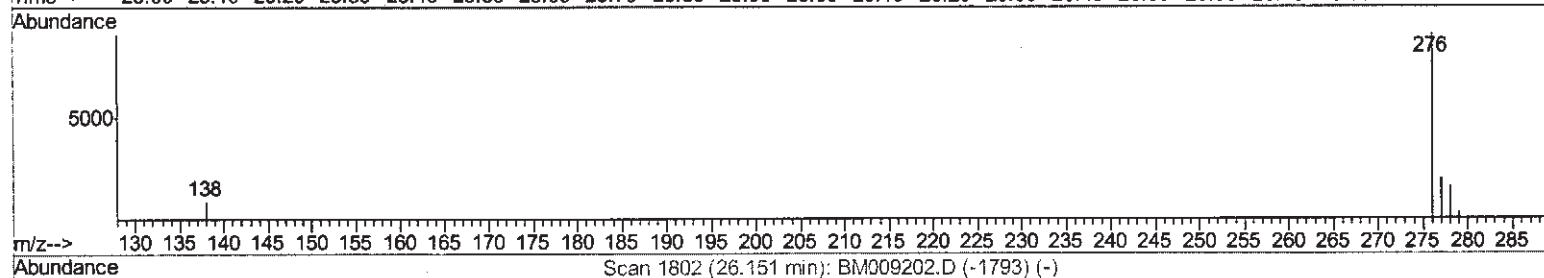
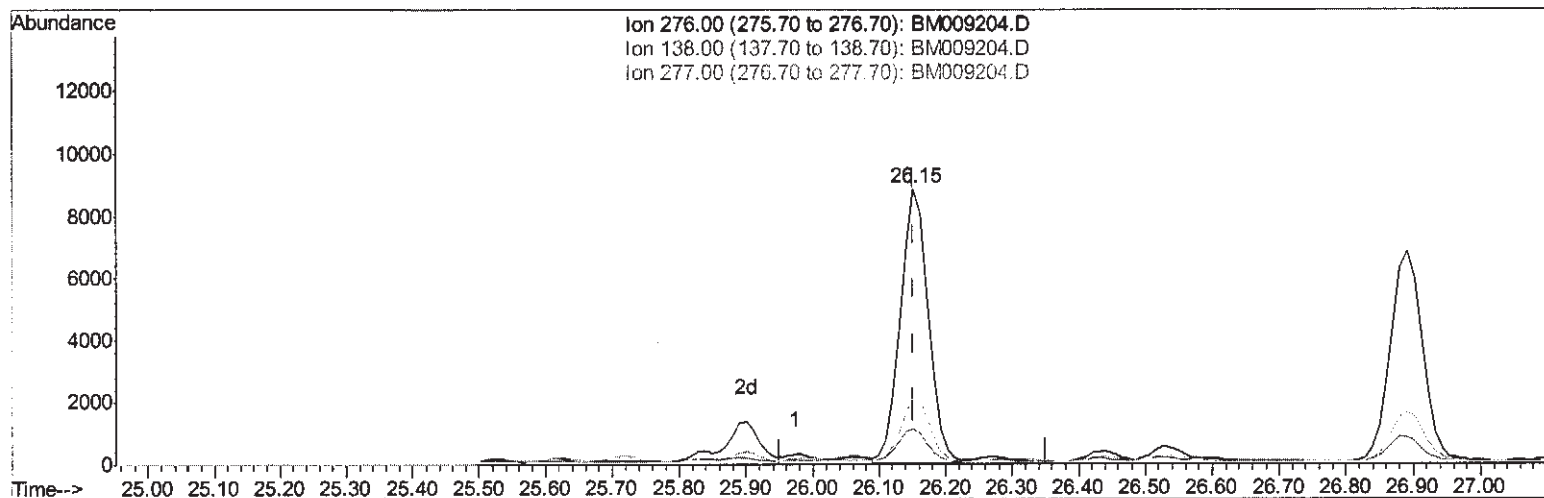
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
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mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



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

26.151min (0.000) 5.08ng/ul m

SJ 3/16/17

response 25667

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.28#
277.00	24.50	0.00#
0.00	0.00	0.00

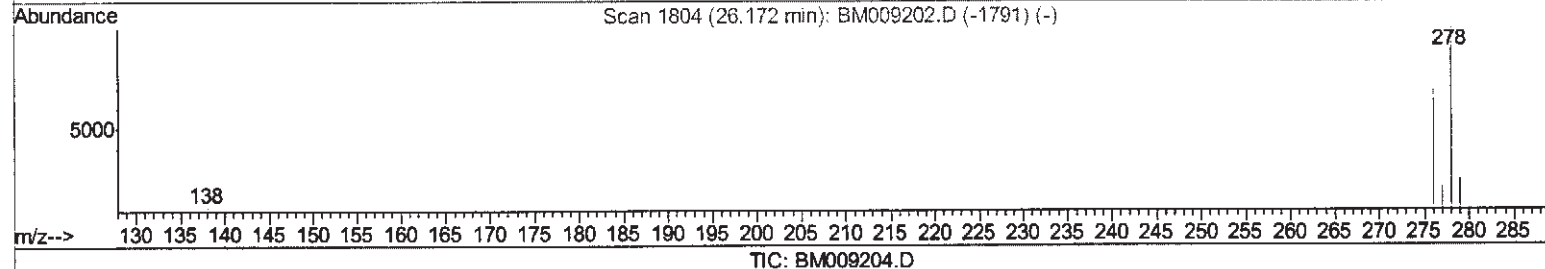
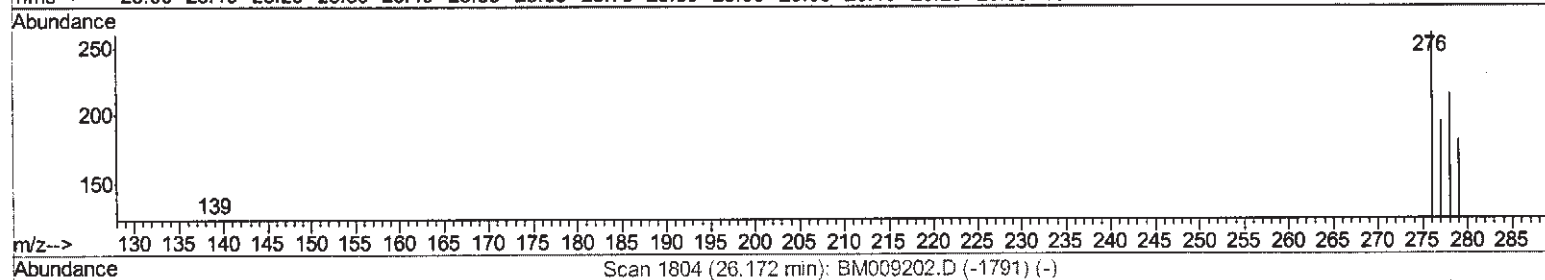
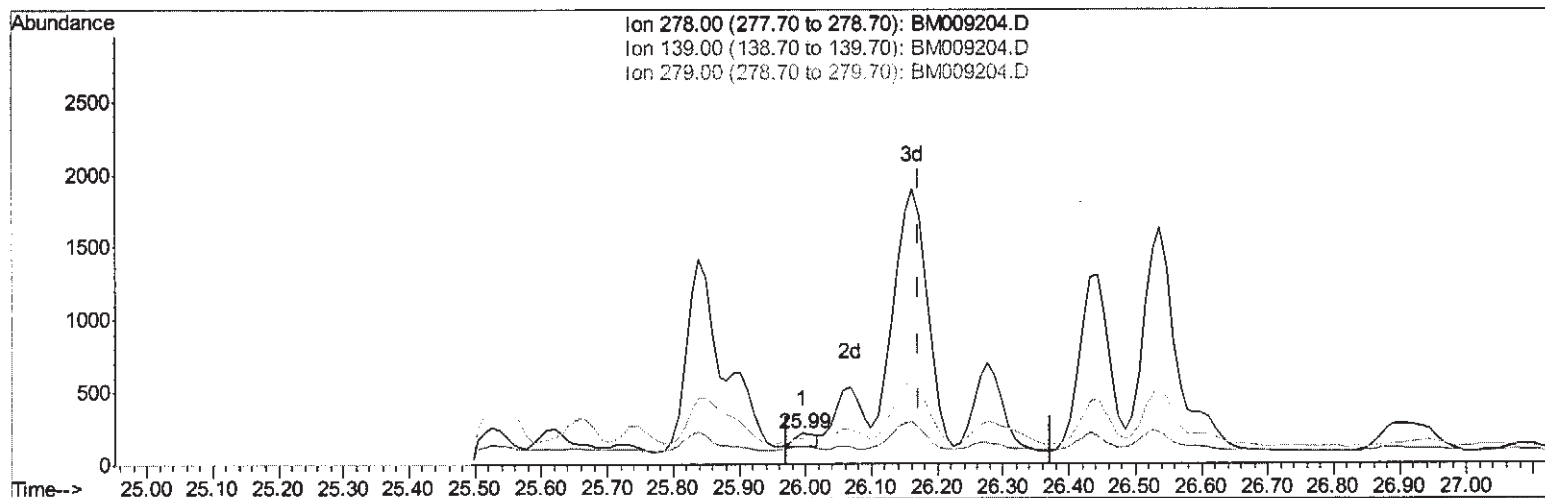
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.995min (-0.177) 0.05ng/ul

response 226

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	58.14#
279.00	32.40	84.65#
0.00	0.00	0.00

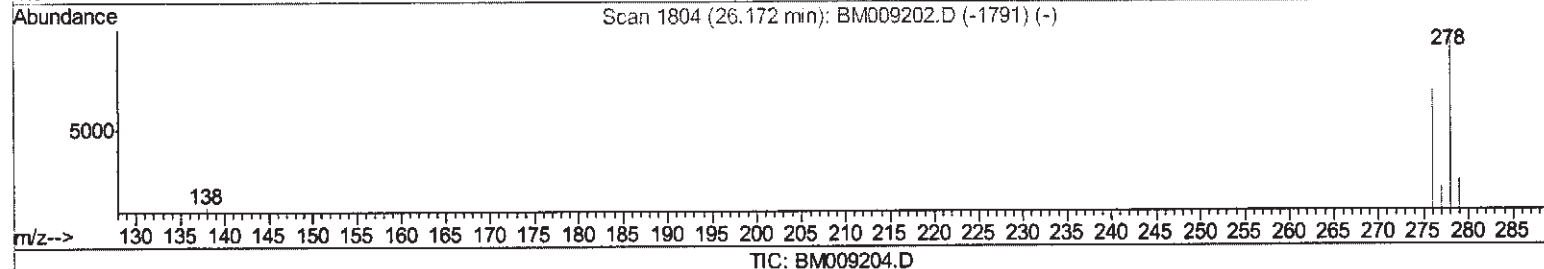
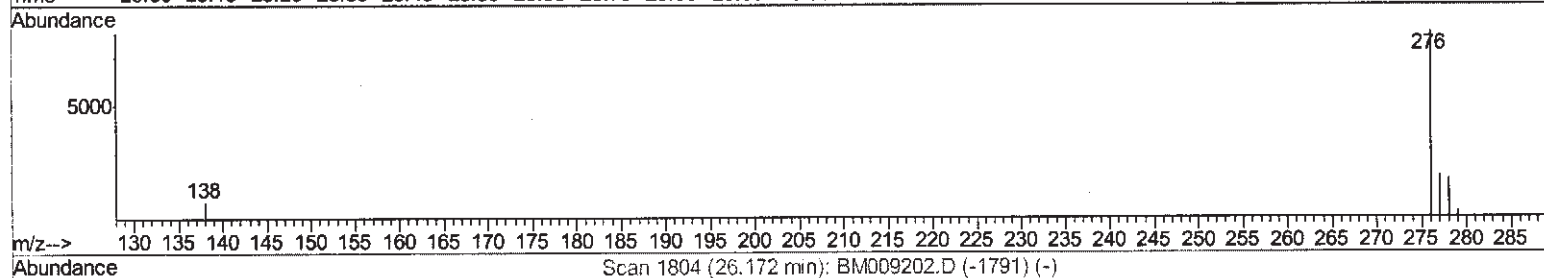
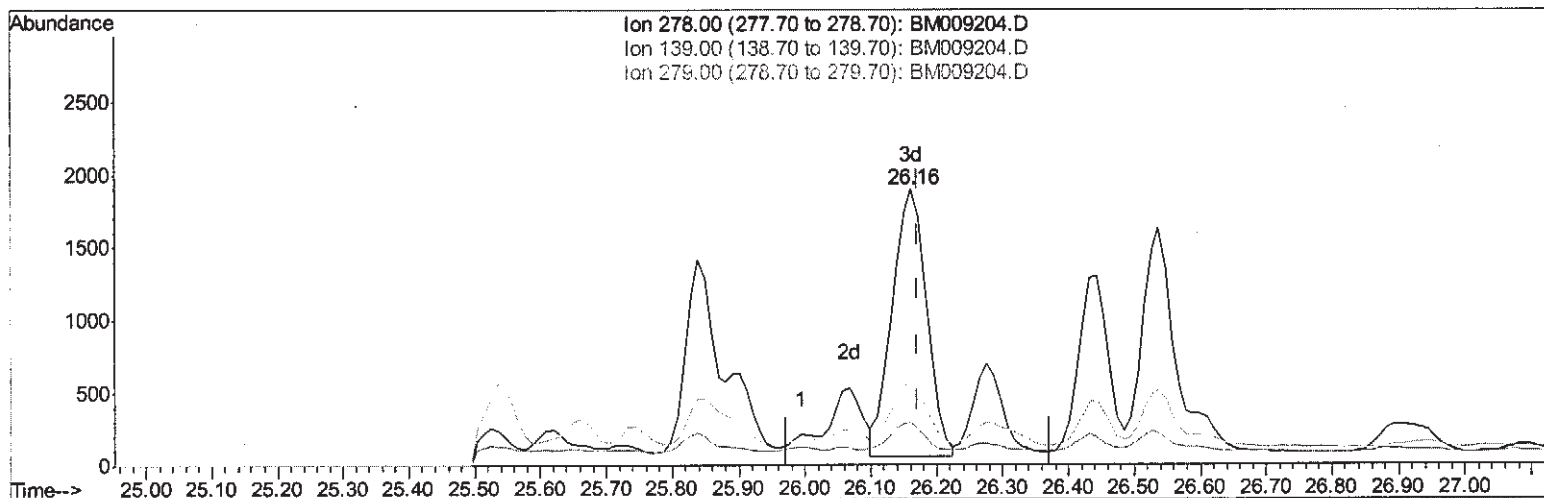
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.162min (-0.010) 1.58ng/ul m

SJ 3/16/17

response 6705

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	15.26#
279.00	32.40	29.25
0.00	0.00	0.00

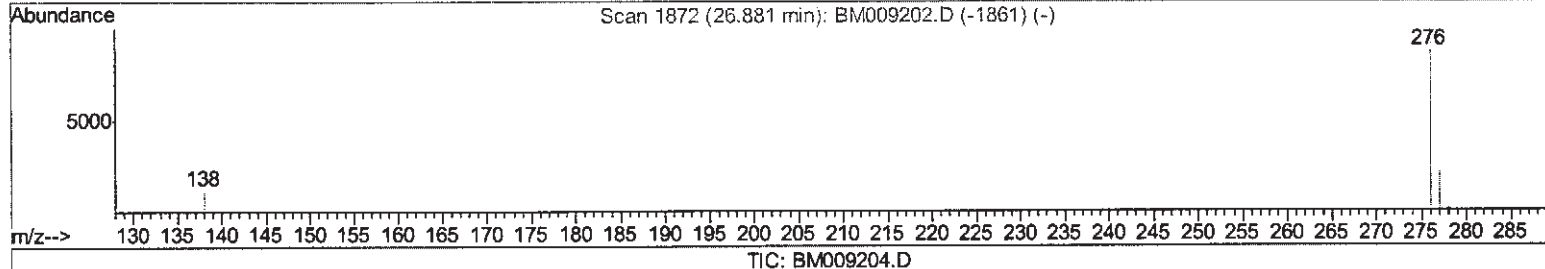
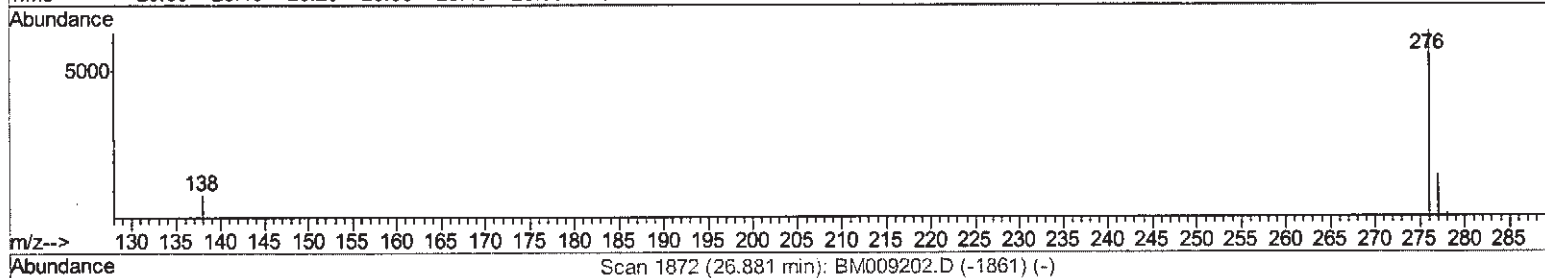
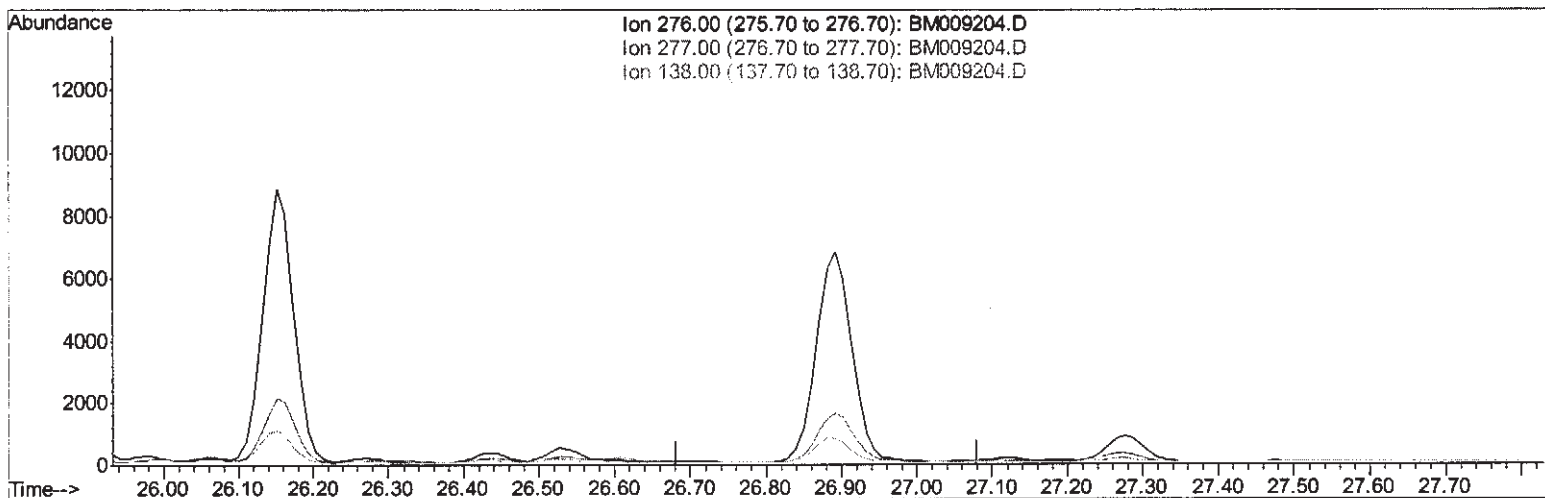
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
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3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



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

26.881min (-26.881) 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

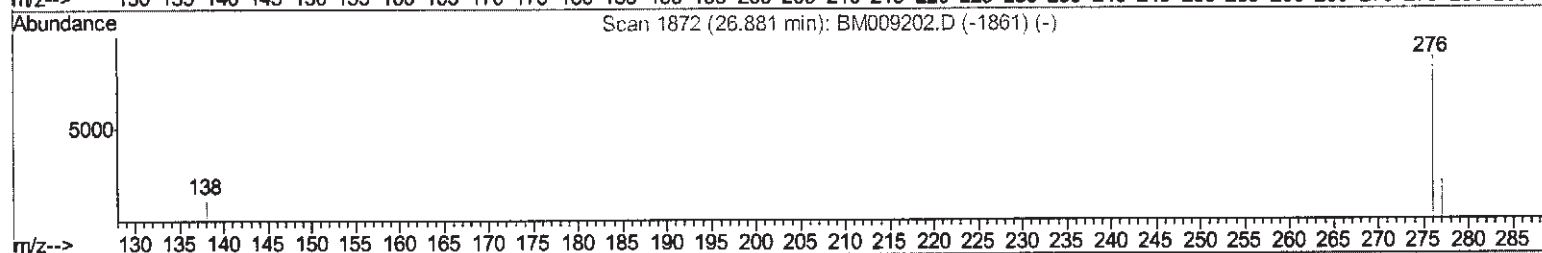
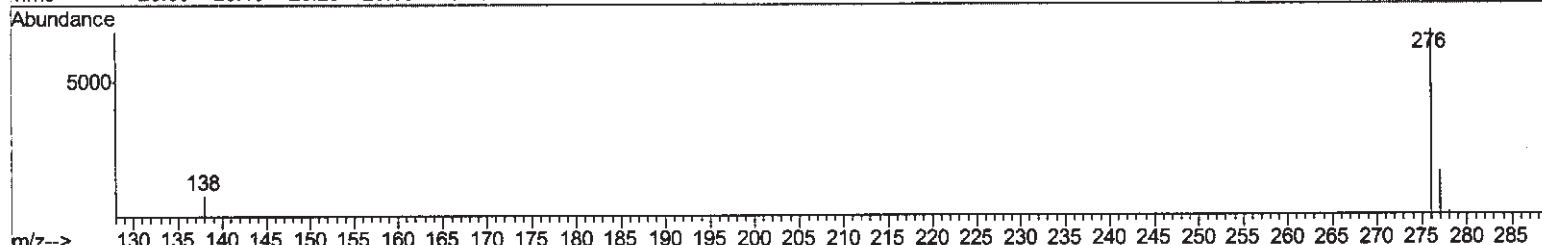
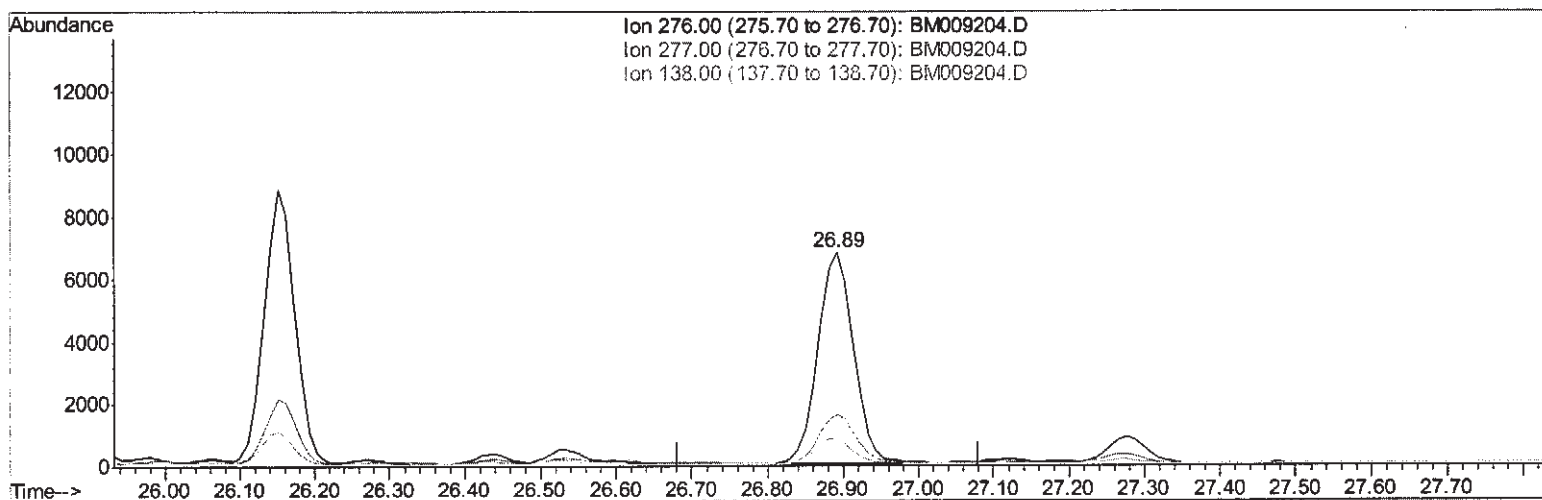
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
Data File : BM009204.D
Acq On : 11 Mar 2017 12:55
Operator : SJ/MA
Sample : I2107-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
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Quant Time: Mar 13 11:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration



TIC: BM009204.D

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

26.891min (+0.010) 5.21ng/ul m

53 3/16/19

response 22466

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	24.31
138.00	25.60	12.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031117\
 Data File : BM009204.D
 Acq On : 11 Mar 2017 12:55
 Operator : SJ/MA
 Sample : I2107-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual Integrations
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 3/13/2017 5:13:20 PM

Quant Time: Mar 13 11:34:11 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 11:21:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	263	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	840	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	607	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1232m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1454	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1124m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	245	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	657m	0.17	ng/ul	0.00

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Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	19960	8.24	ng/ul	94
5) 2-Methylnaphthalene	12.34	142	20635	11.85	ng/ul	100
7) Acenaphthylene	14.23	152	2736	0.87	ng/ul#	83
8) Acenaphthene	14.57	153	886	0.37	ng/ul#	85
9) Fluorene	15.56	166	1193	0.42	ng/ul#	63
12) Phenanthrene	17.30	178	28666	7.41	ng/ul	96
13) Anthracene	17.40	178	4437	1.16	ng/ul	93
15) Fluoranthene	19.33	202	49789	9.87	ng/ul	94
17) Pyrene	19.69	202	46100	9.22	ng/ul	95
18) Benzo(a)anthracene	21.42	228	27651	5.72	ng/ul	98
19) Chrysene	21.47	228	35588	7.77	ng/ul	95
21) Benzo(b)fluoranthene	23.07	252	58816m	13.32	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	15638m	4.01	ng/ul	
23) Benzo(a)pyrene	23.67	252	30475m	7.67	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	25667m	5.08	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	6705m	1.58	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	22466m	5.21	ng/ul	

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