

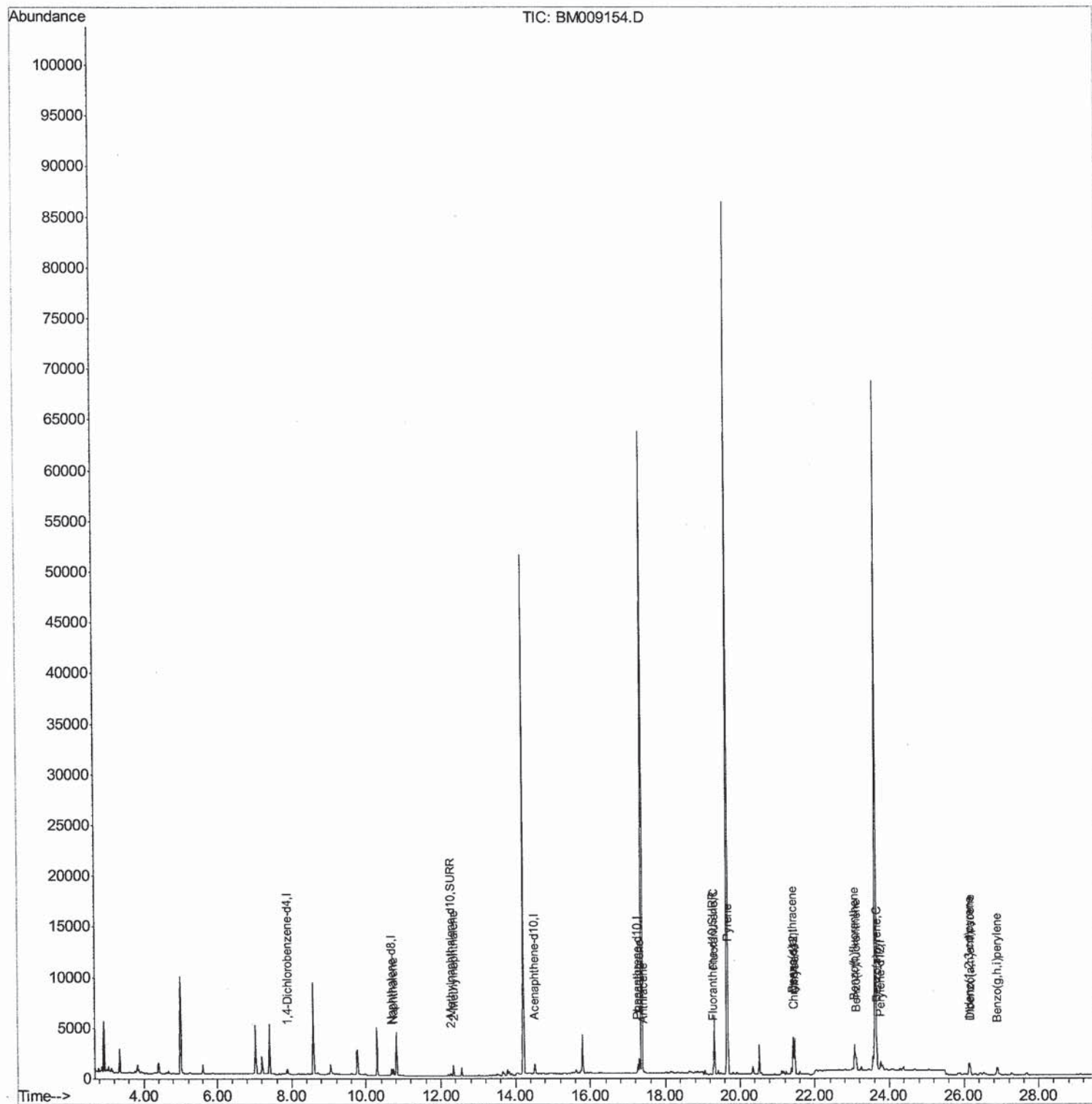
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:27:54 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



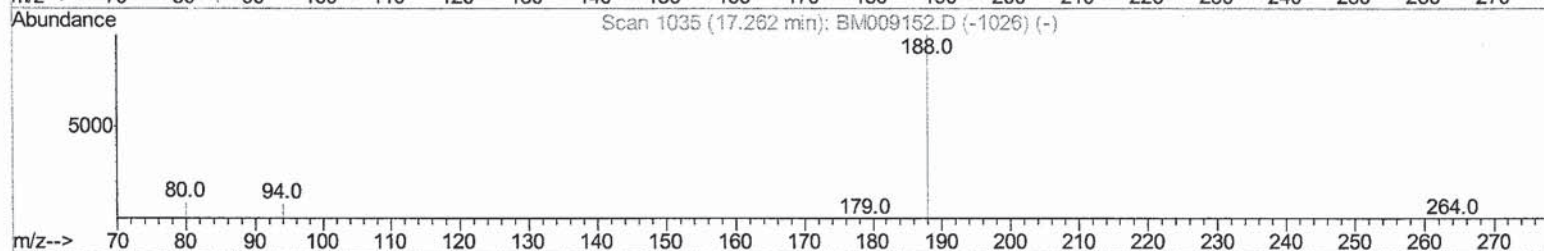
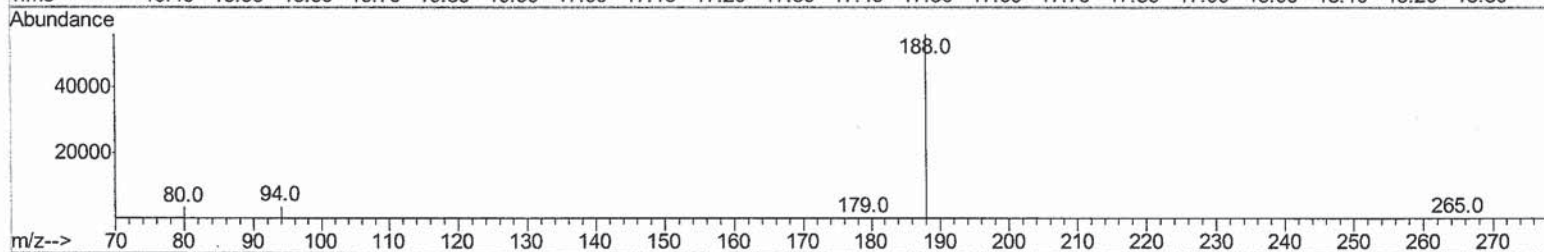
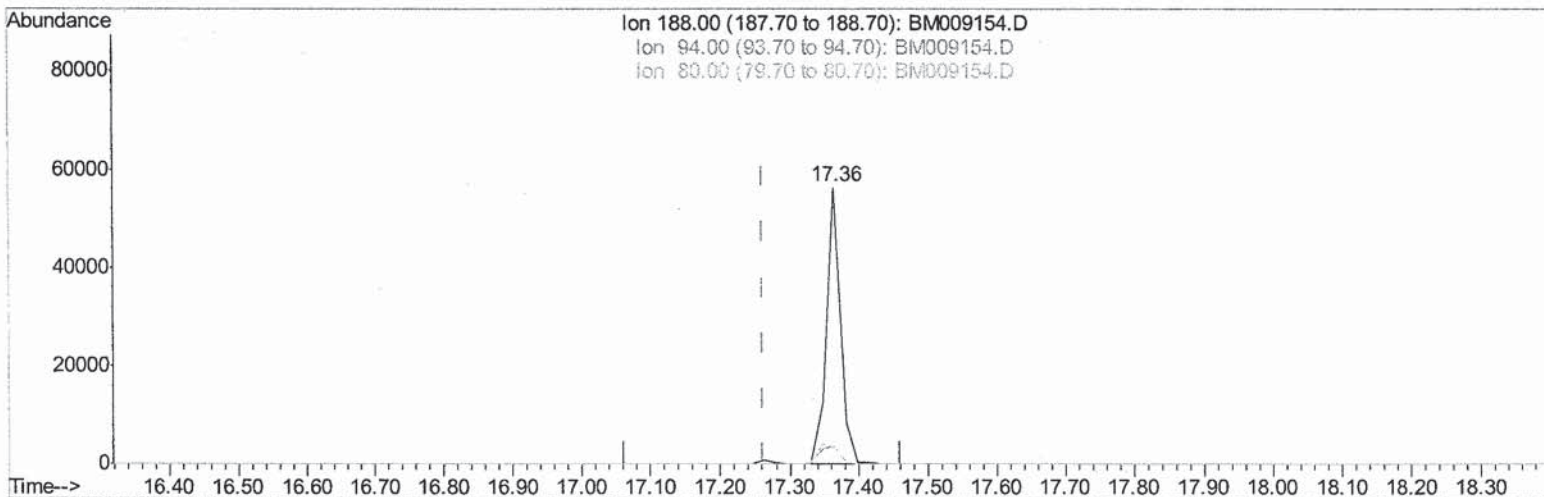
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
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Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:17:12 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: BM009154.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 79379

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.35#
80.00	11.80	6.13#
0.00	0.00	0.00

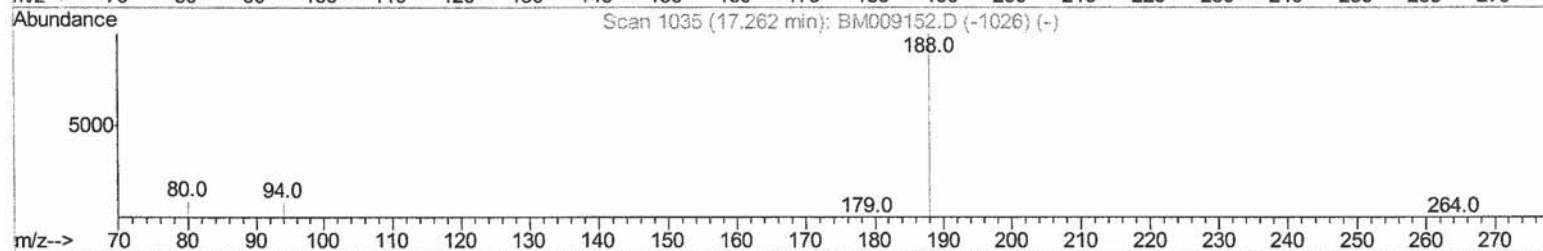
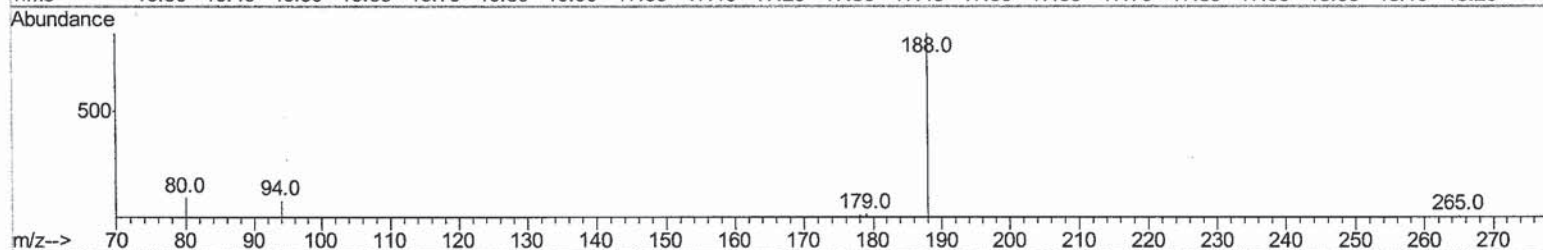
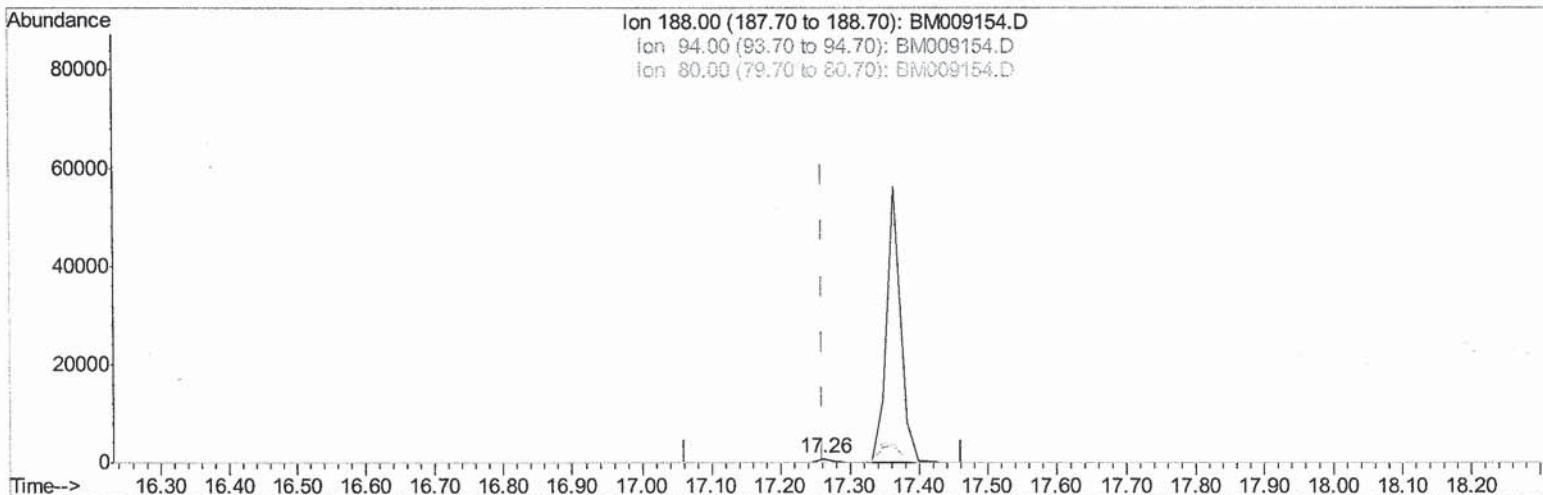
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
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Quant Time: Mar 10 03:17:12 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: BM009154.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

SJ 3/13/17

response 1133

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.20#
80.00	11.80	15.88#
0.00	0.00	0.00

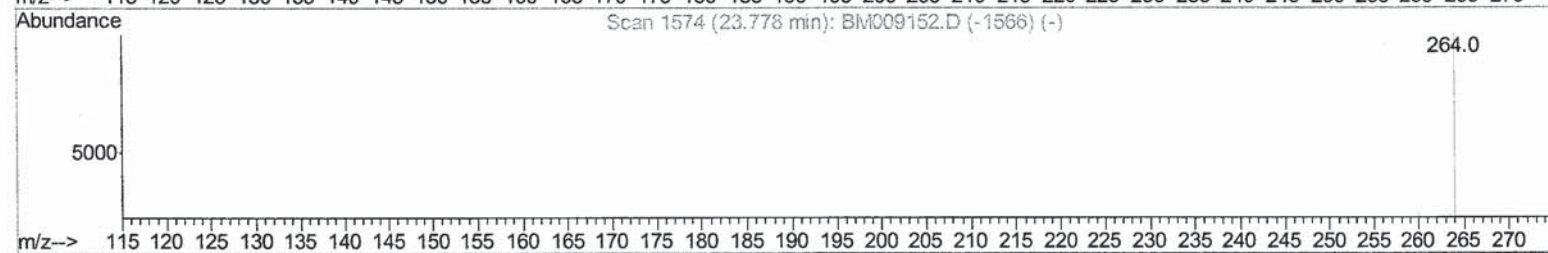
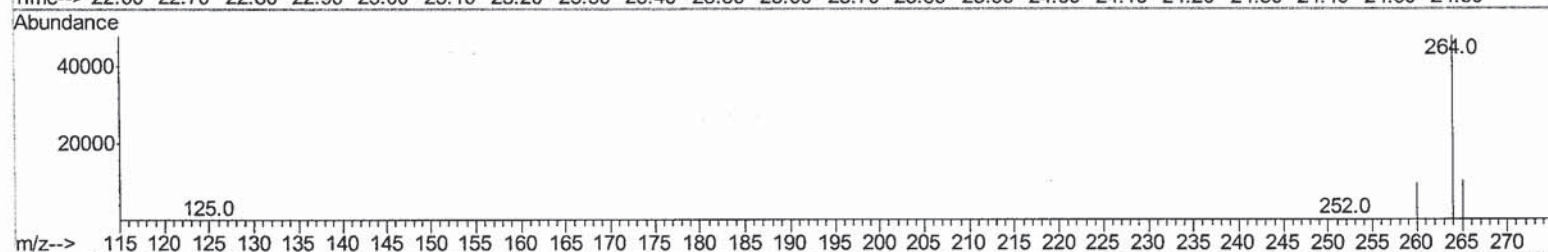
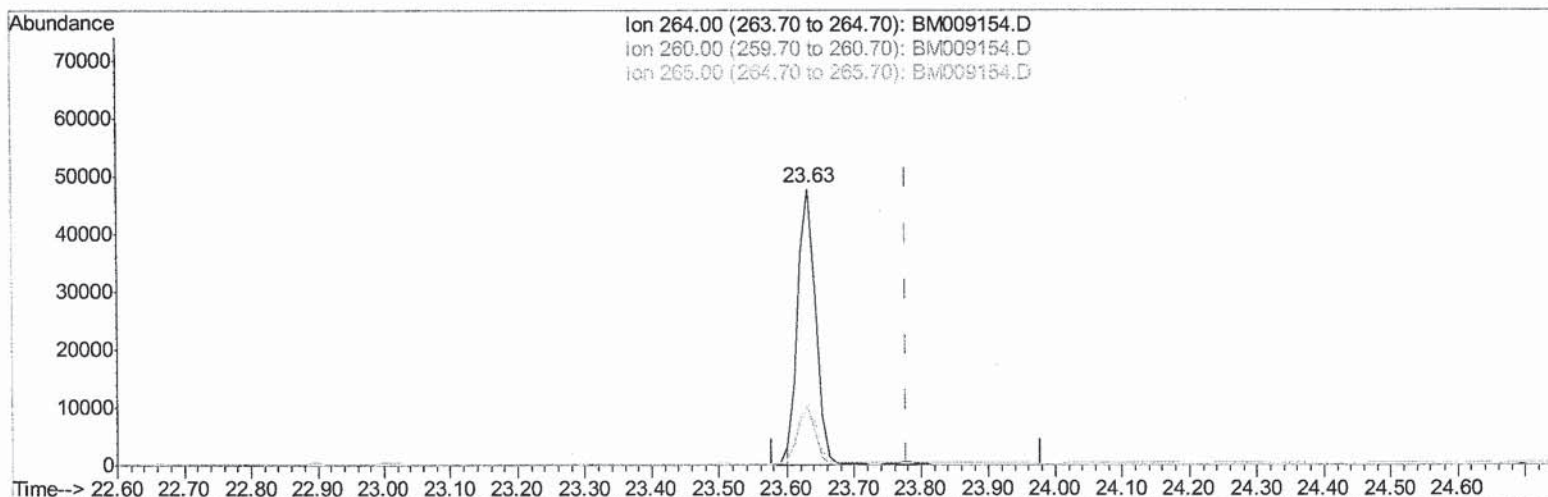
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
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Quant Time: Mar 10 03:17:12 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: BM009154.D

(20) Perylene-d12 (I)

23.632min (-0.146) 0.40ng/ul

response 86527

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.45#
265.00	103.50	21.84#
0.00	0.00	0.00

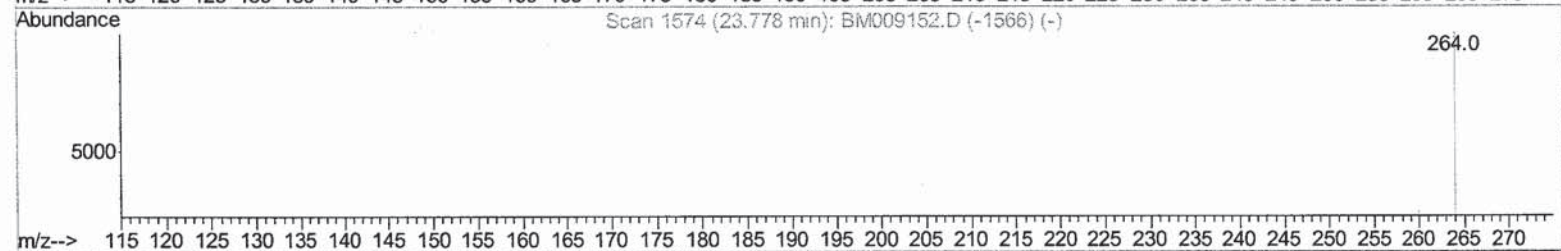
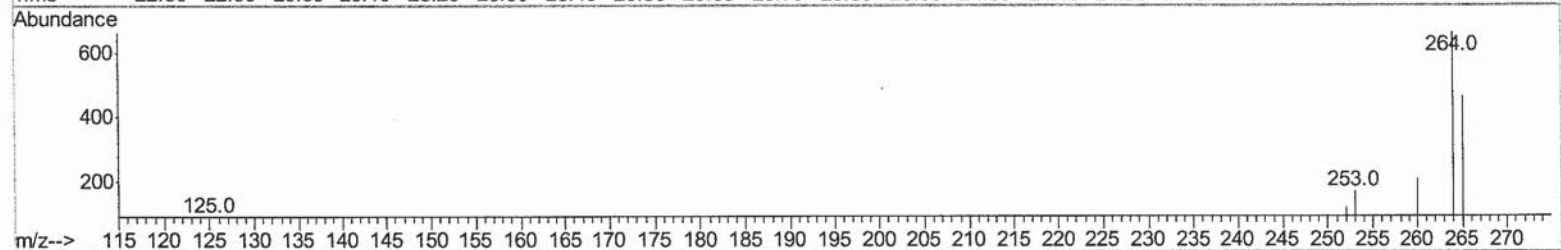
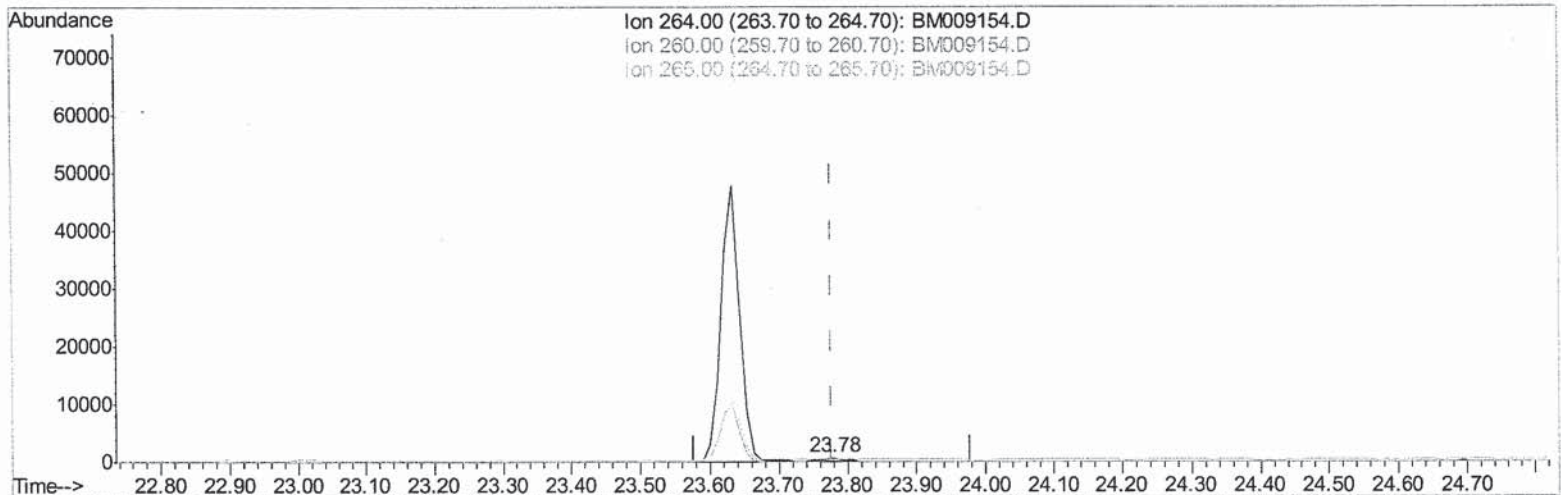
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

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Quant Time: Mar 10 03:17:12 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: BM009154.D

(20) Perylene-d12 (I)

23.778min (+0.000) 0.40ng/ul m

SJ 3/13/17

response 1203

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.37
265.00	103.50	69.68#
0.00	0.00	0.00

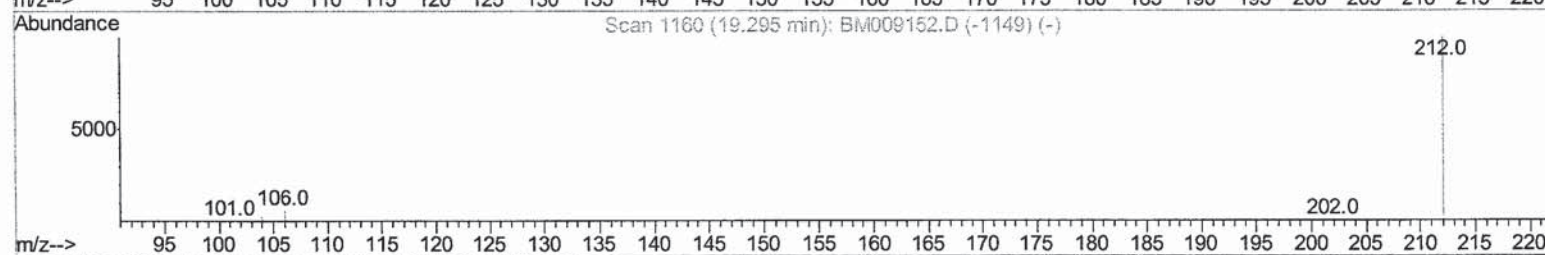
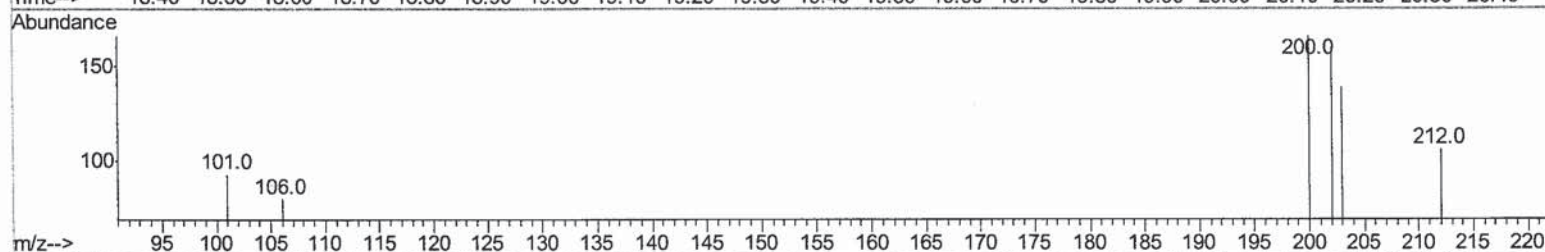
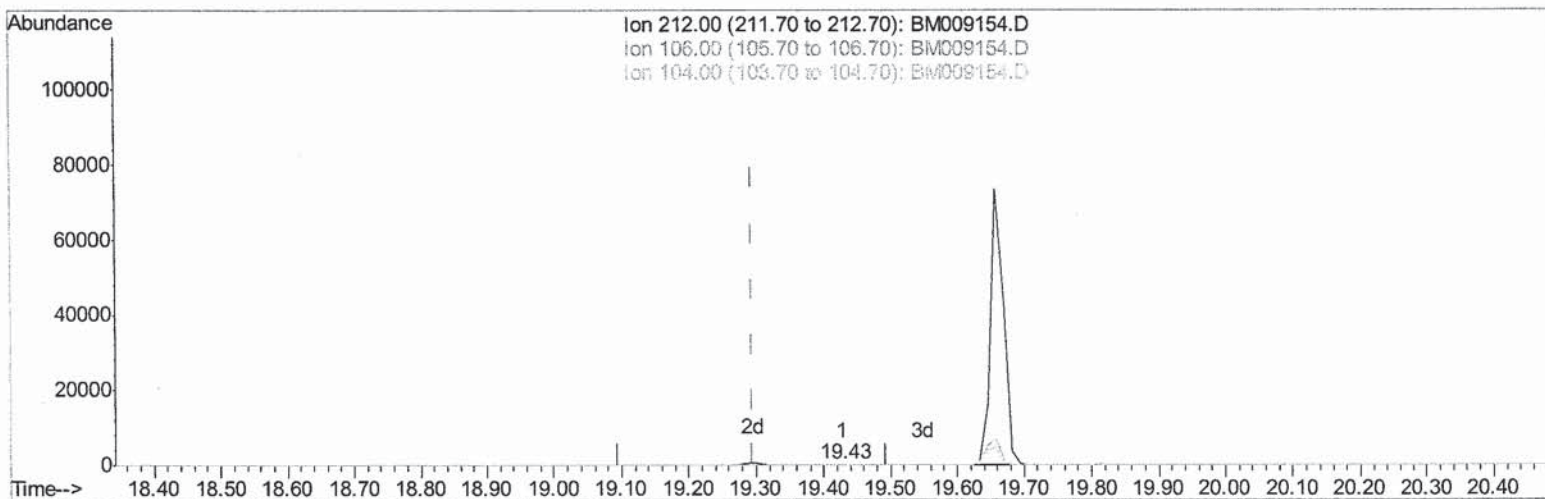
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

(14) Fluoranthene-d10 (SURR)

19.428min (+0.133) 0.02ng/ul

response 72

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	47.22#
104.00	15.60	27.78#
0.00	0.00	0.00

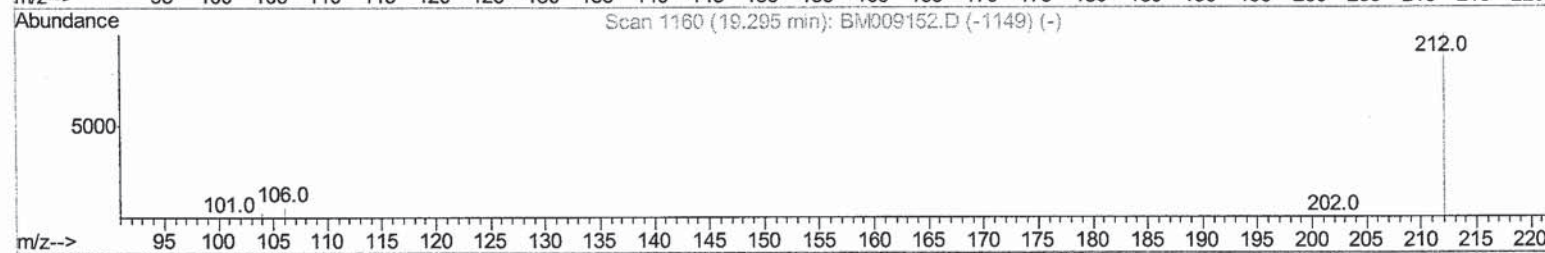
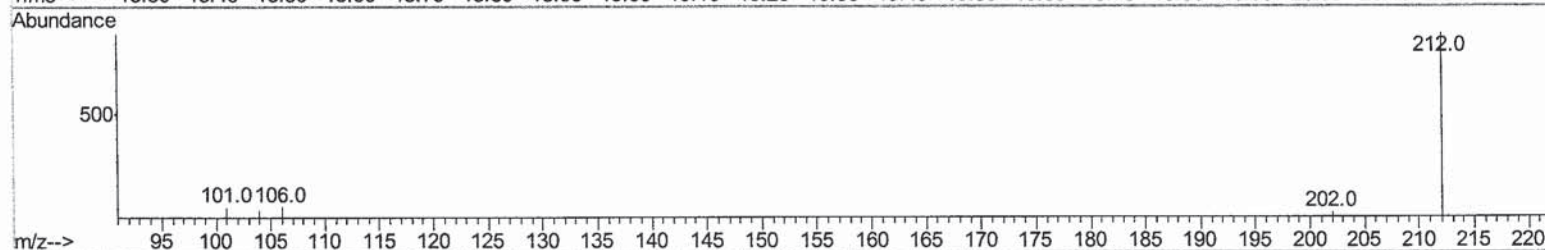
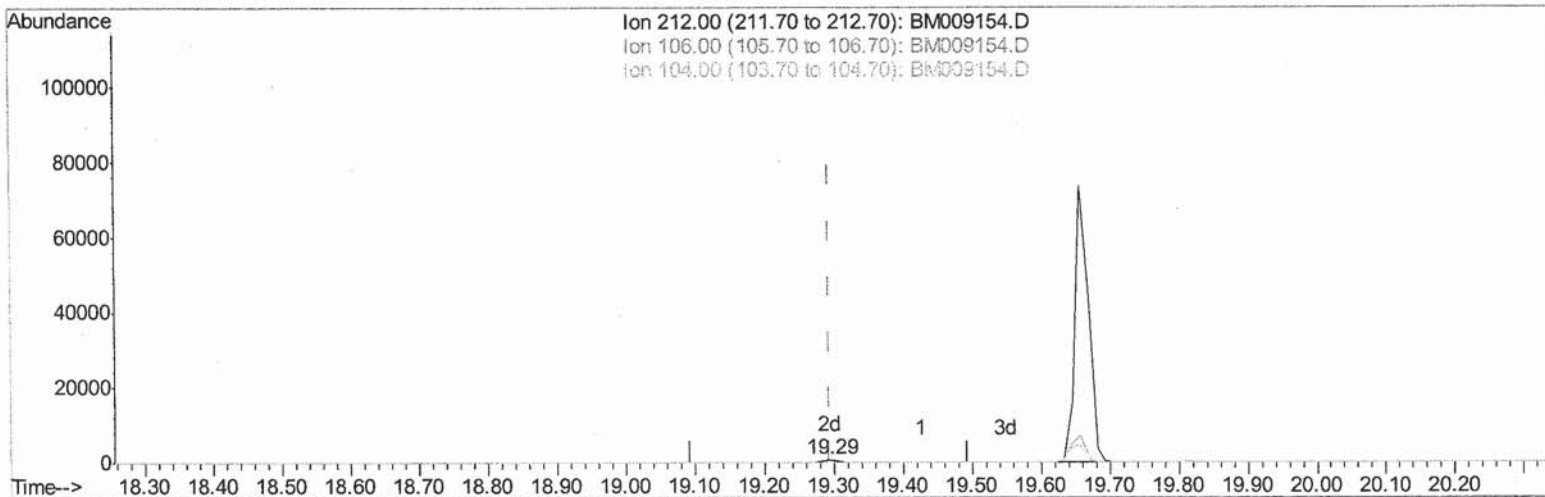
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

(14) Fluoranthene-d10 (SURR)

19.295min (+0.000) 0.32ng/ul m

SJ 3/13/17

response 1129

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	3.01#
104.00	15.60	1.77#
0.00	0.00	0.00

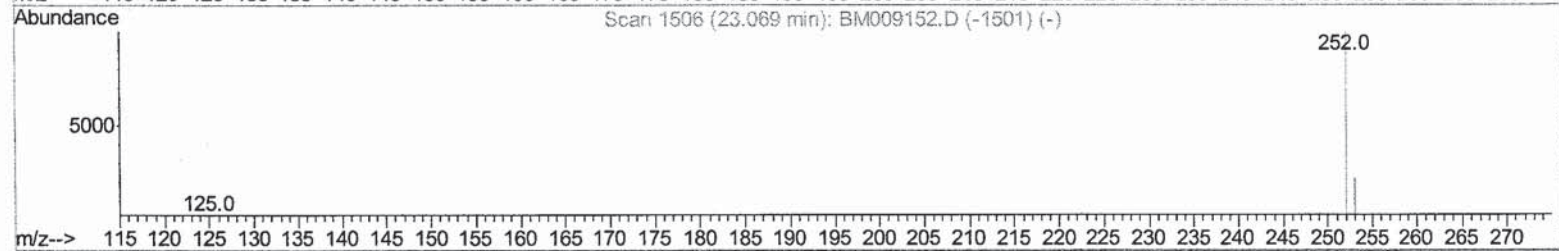
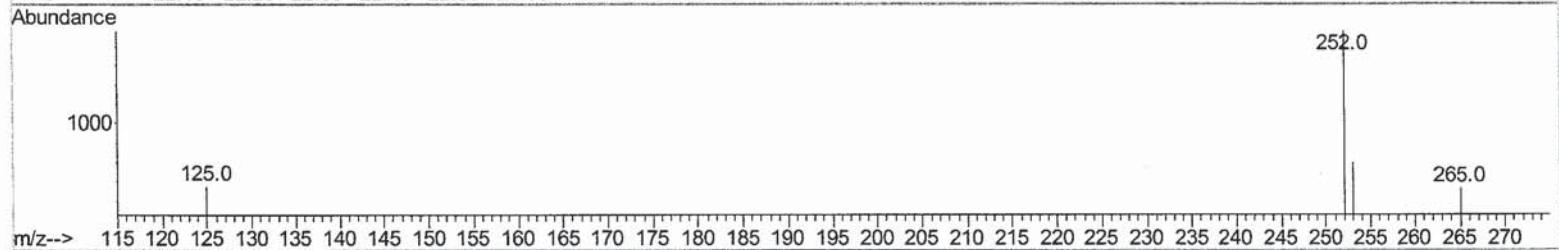
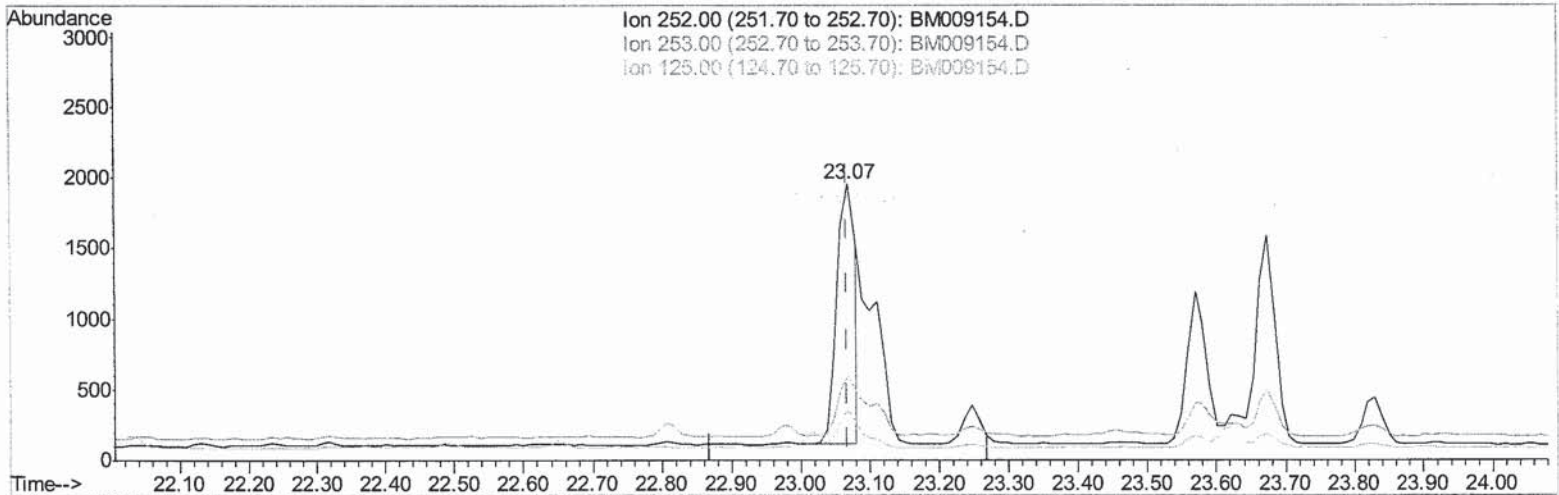
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
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Quant Time: Mar 10 03:25:08 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: BM009154.D

(21) Benzo(b)fluoranthene
23.069min (+0.000) 0.73ng/ul
response 3447

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	30.54
125.00	17.50	18.28
0.00	0.00	0.00

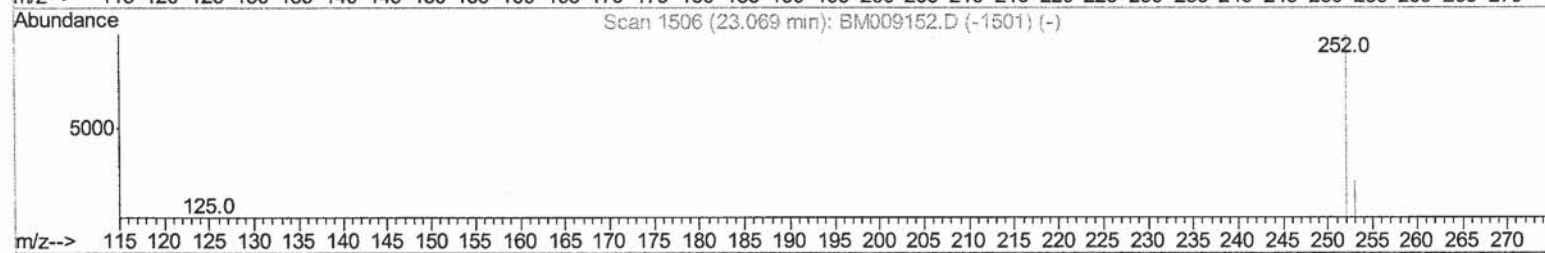
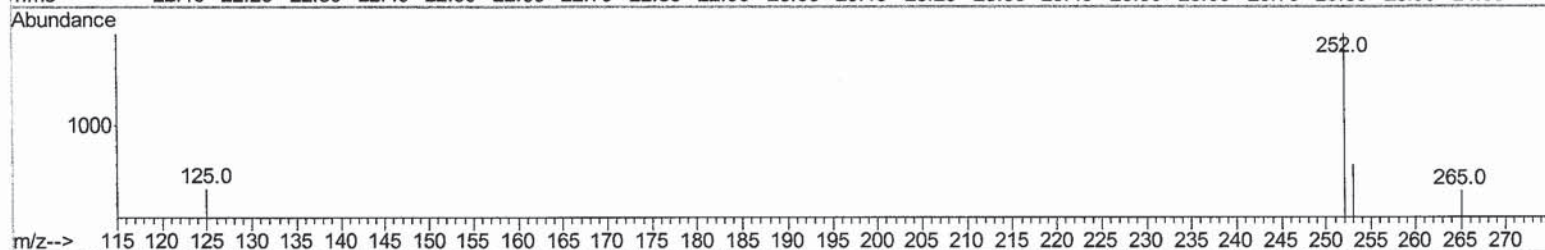
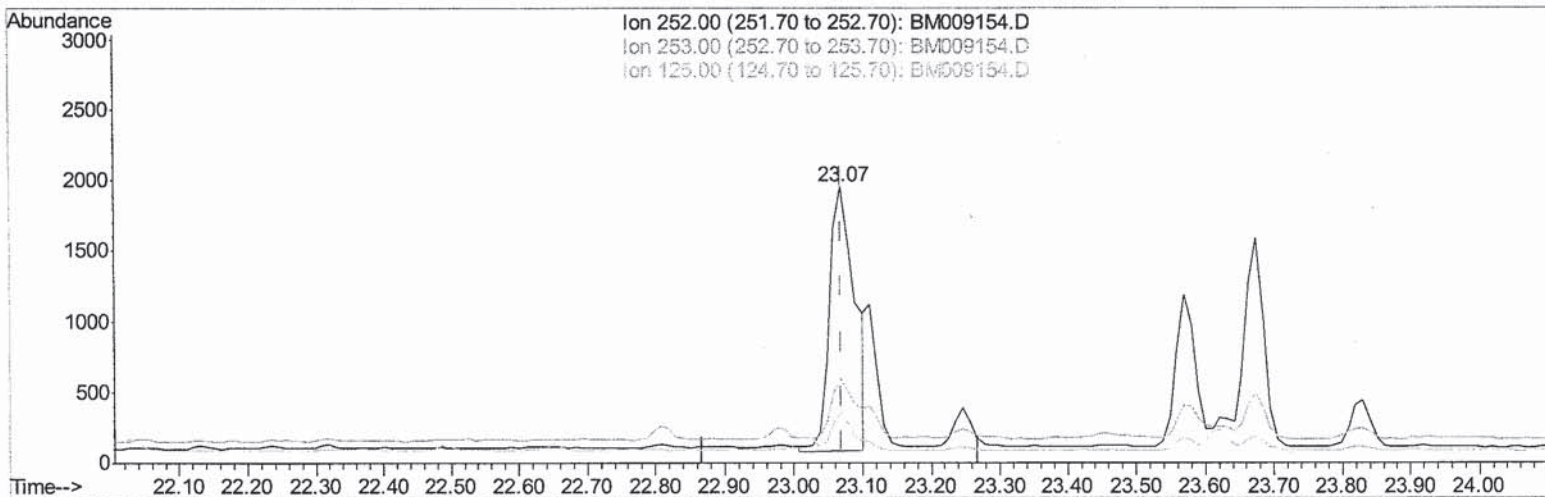
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ3

Manual Integrations
APPROVED

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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

(21) Benzo(b)fluoranthene

23.069min (+0.000) 1.03ng/ui m

SI 3/13/17

response 4850

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	30.54
125.00	17.50	18.28
0.00	0.00	0.00

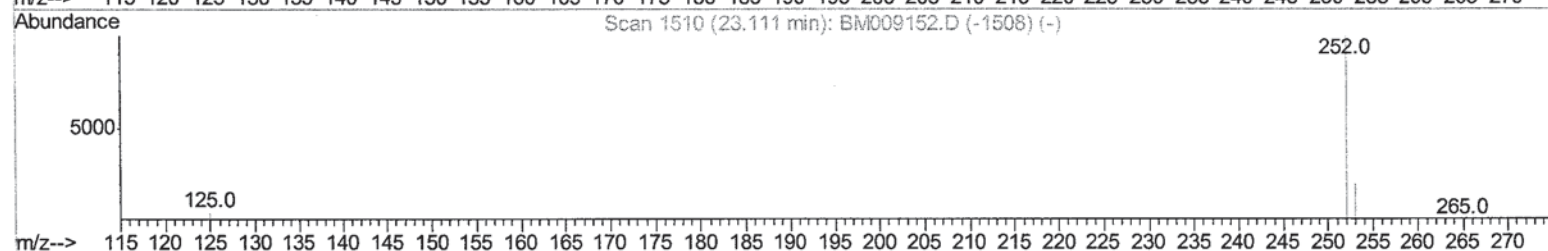
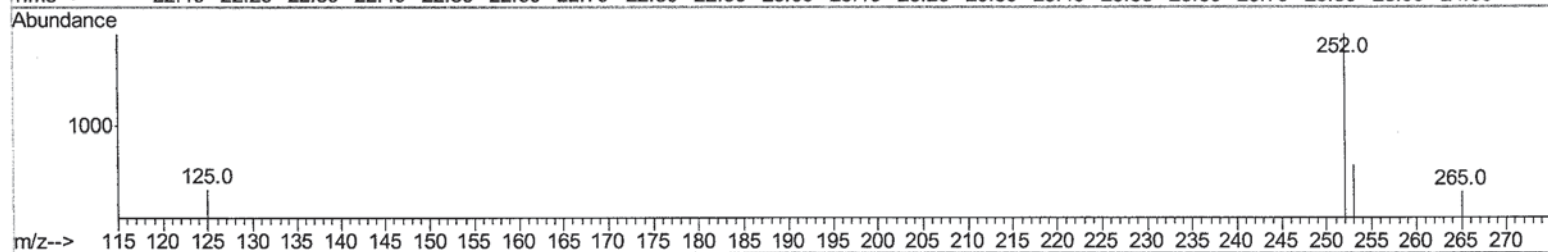
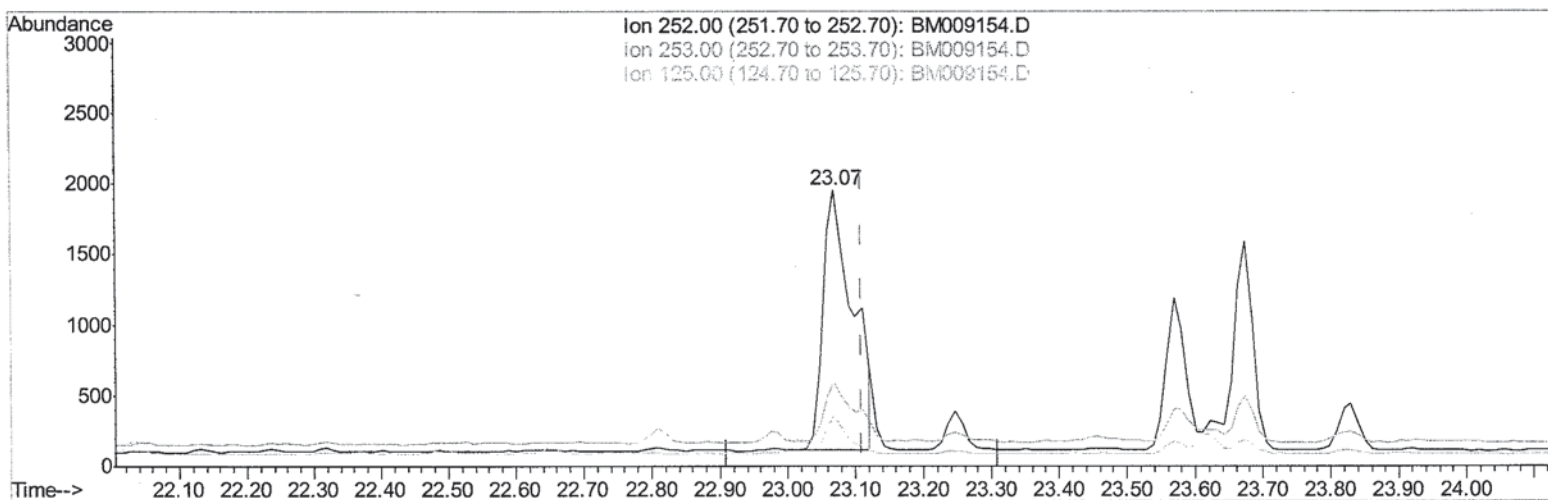
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

(22) Benzo(k)fluoranthene
23.069min (-0.042) 1.36ng/ul
response 5675

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.54
125.00	17.10	18.28
0.00	0.00	0.00

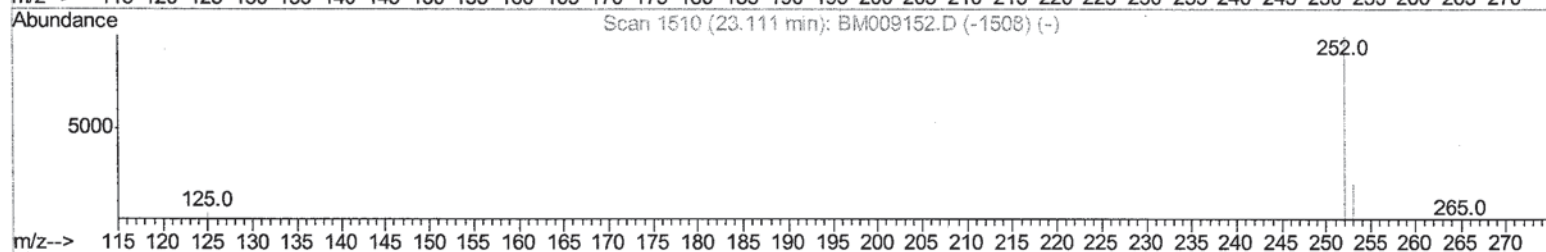
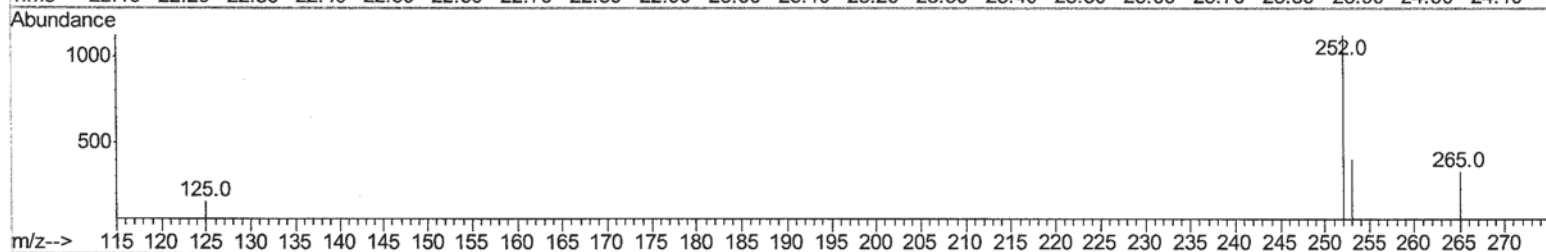
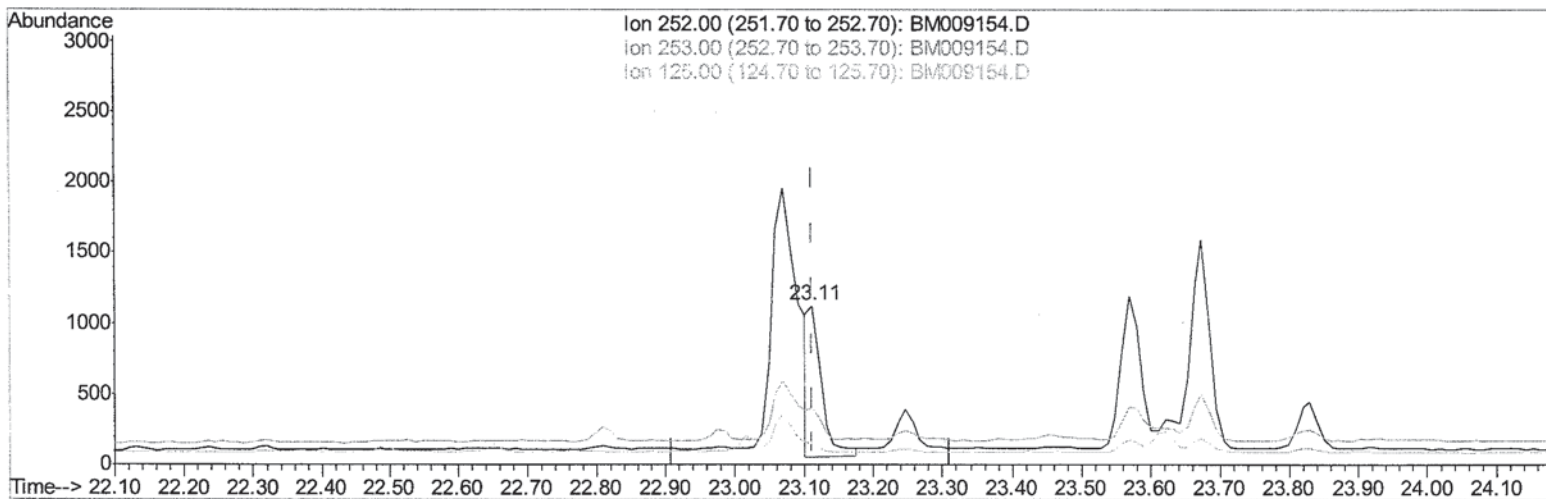
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration



TIC: BM009154.D

(22) Benzo(k)fluoranthene

23.111min (+0.000) 0.32ng/ul m

SJ 3/13/17

response 1358

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	36.06
125.00	17.10	13.71
0.00	0.00	0.00

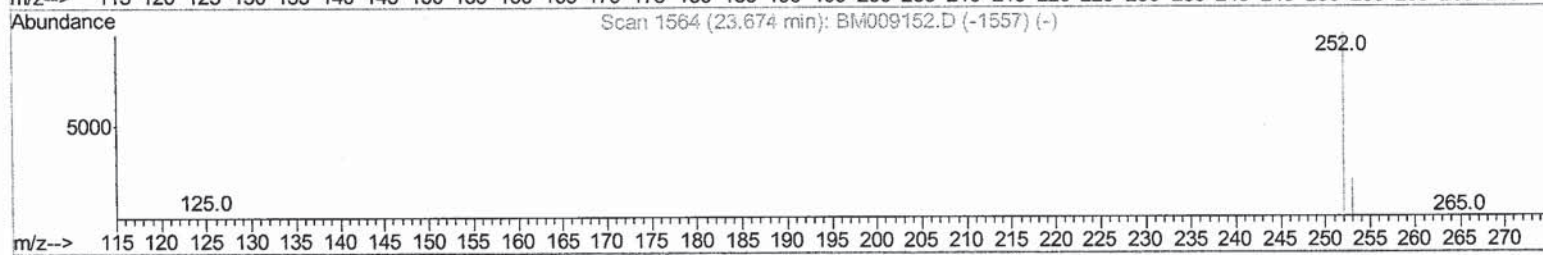
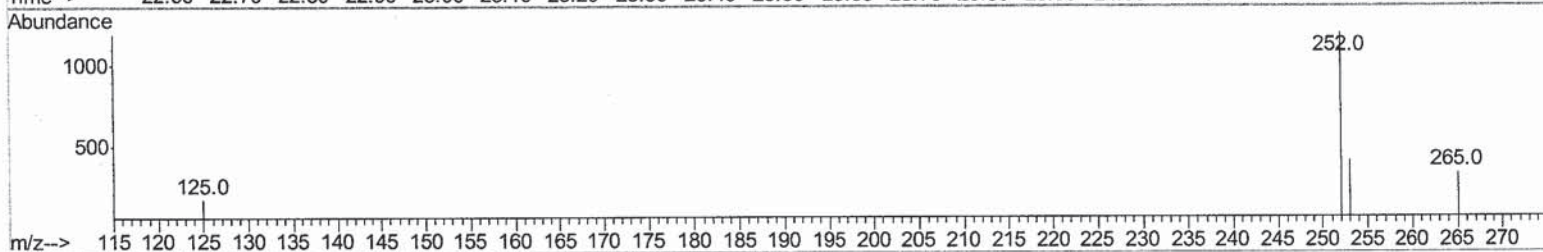
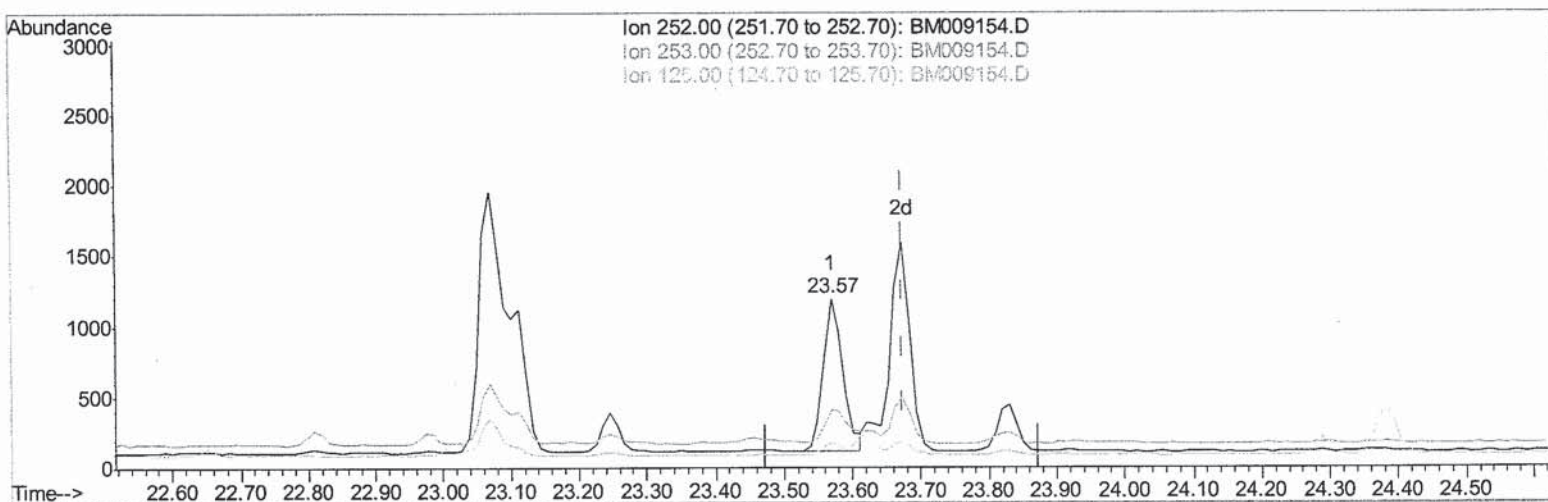
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Time: Mar 10 03:25:08 2017
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TIC: BM009154.D

(23) Benzo(a)pyrene (C)

23.569min (-0.104) 0.52ng/ul

response 2215

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.92
125.00	22.60	14.62#
0.00	0.00	0.00

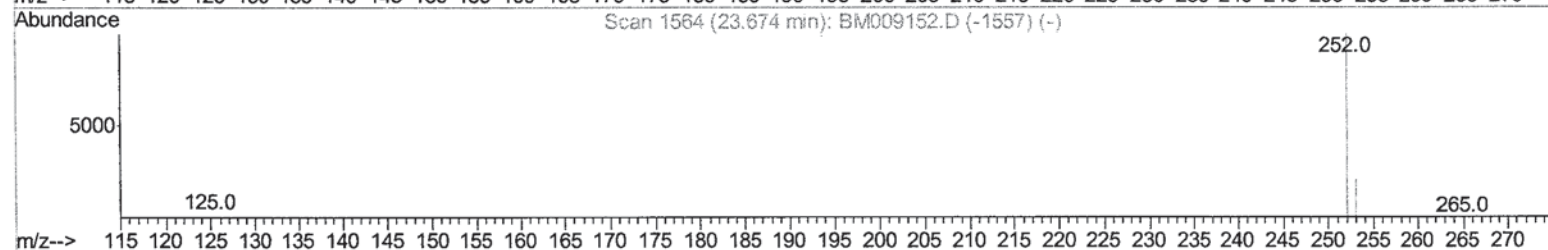
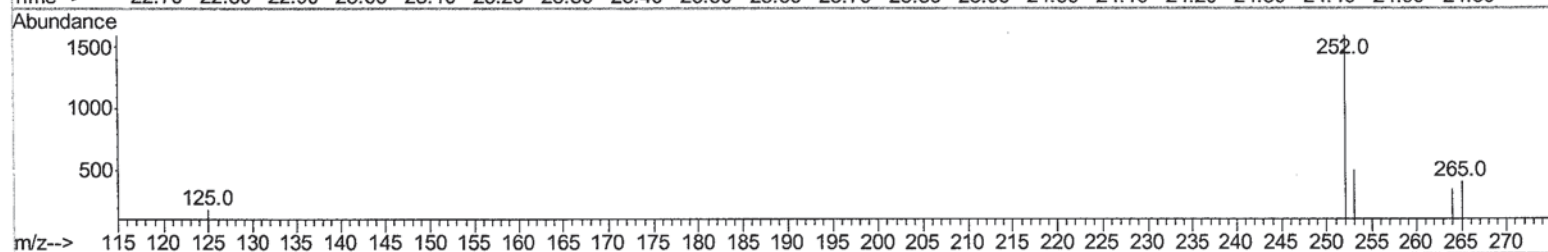
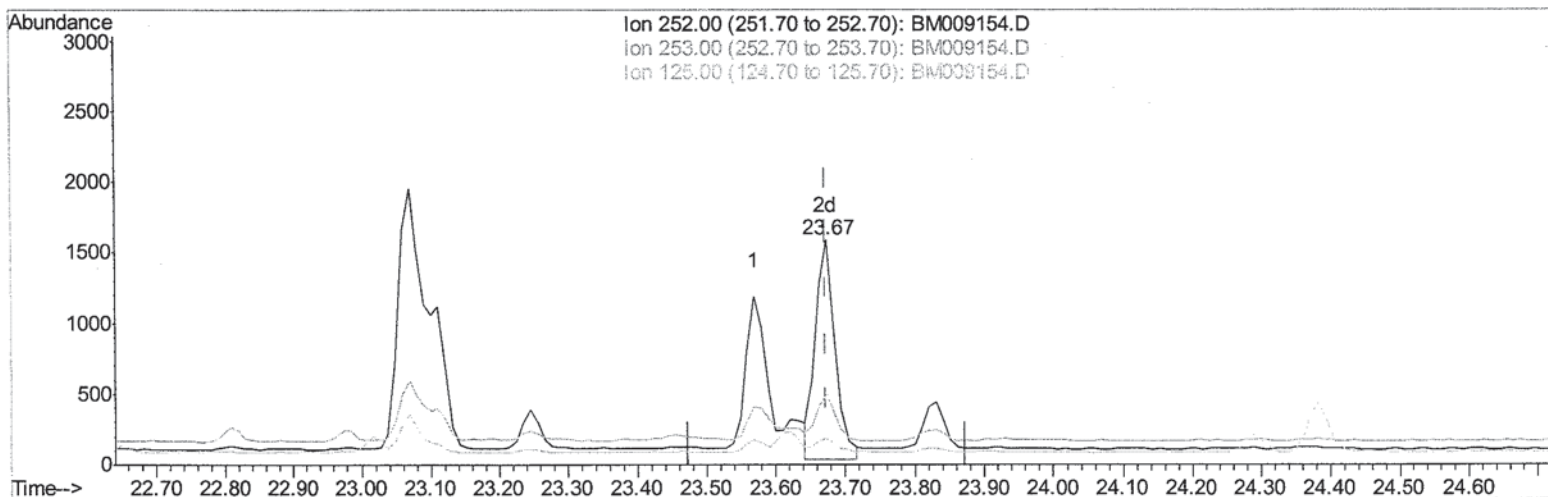
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
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Quant Time: Mar 10 03:25:08 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
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TIC: BM009154.D

(23) Benzo(a)pyrene (C)

23.674min (+0.000) 0.72ng/ul m

SJ 3/13/17

response 3066

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	31.39
125.00	22.60	11.86#
0.00	0.00	0.00

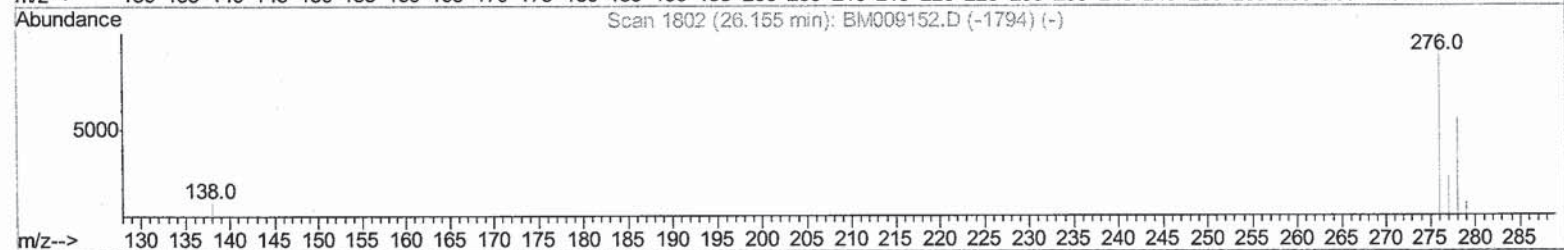
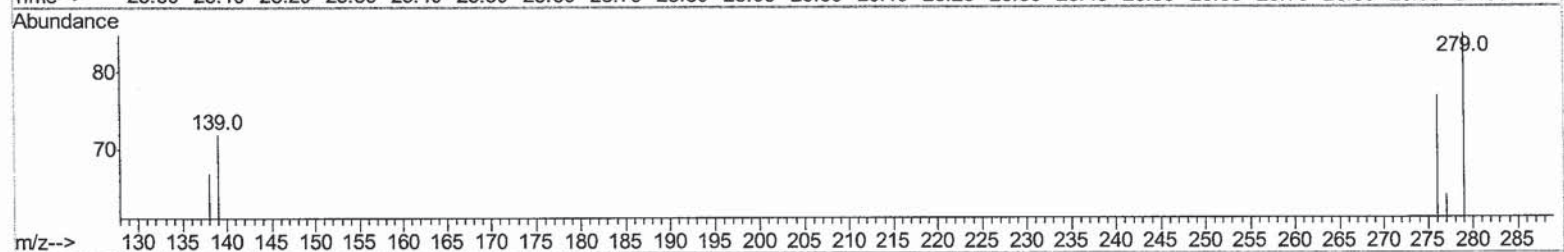
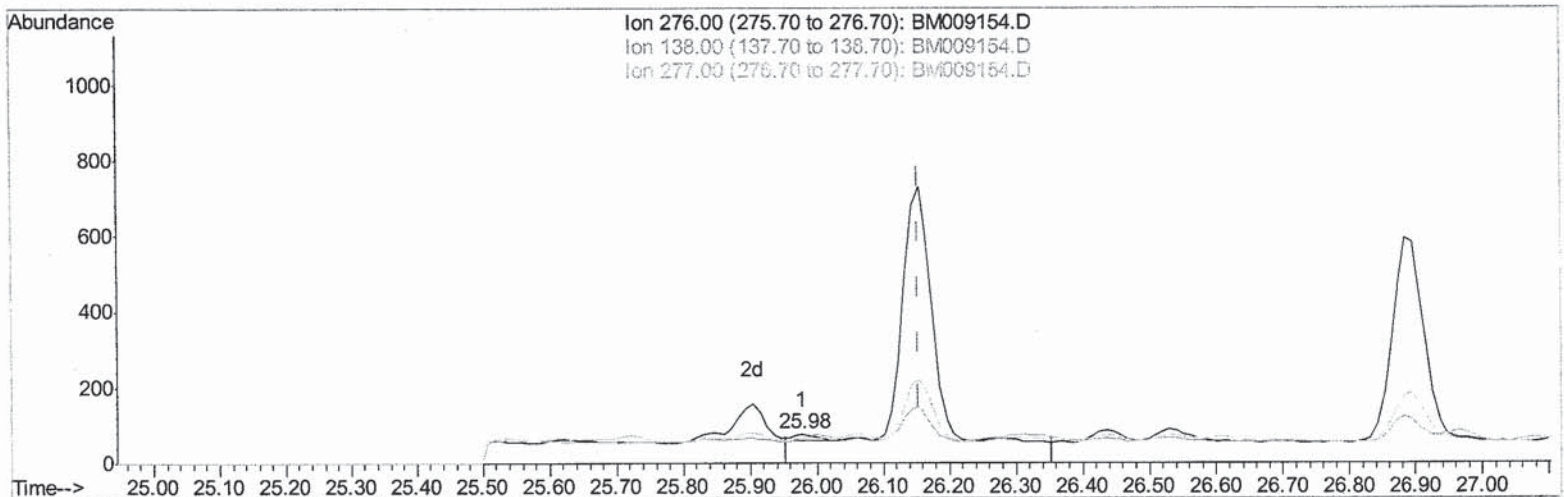
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
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Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: BM009154.D

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

25.977min (-0.177) 0.01ng/ul

response 42

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

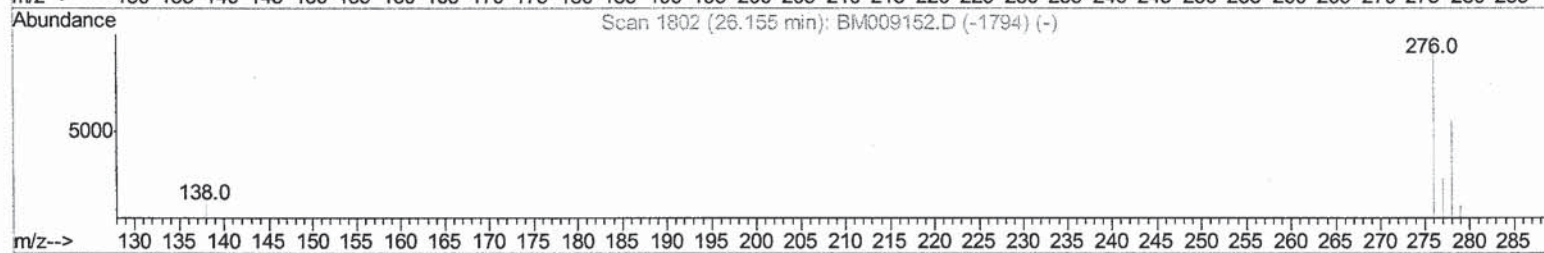
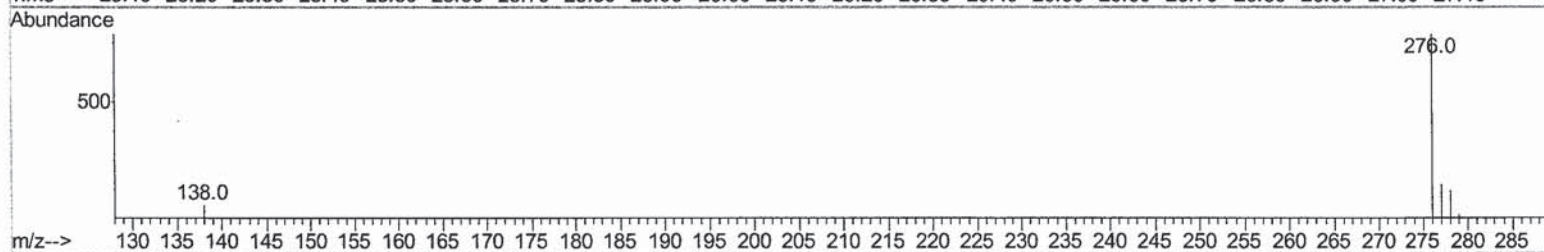
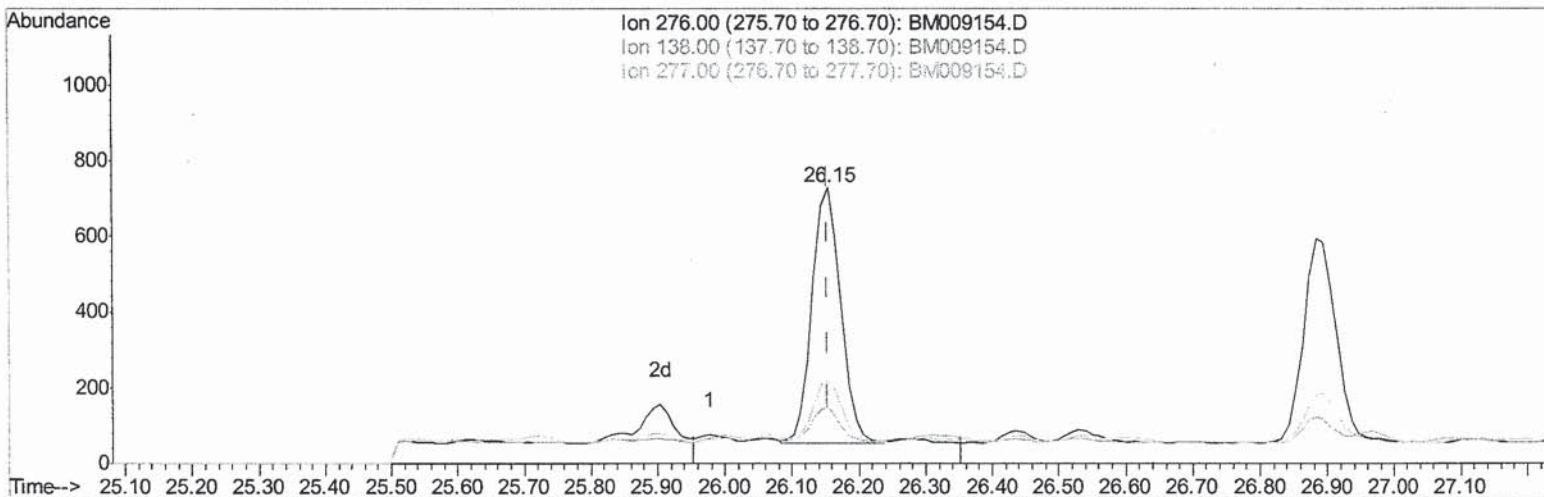
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

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

26.155min (+0.000) 0.37ng/ul m

SJ 3/13/17

response 2005

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

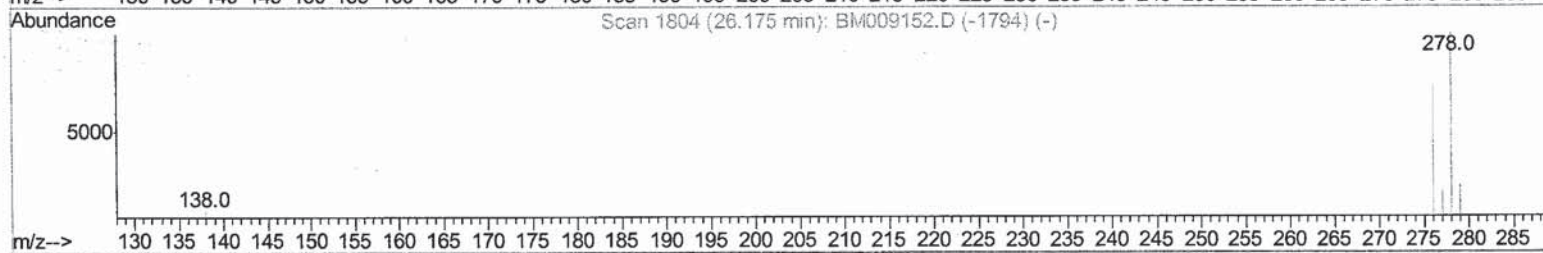
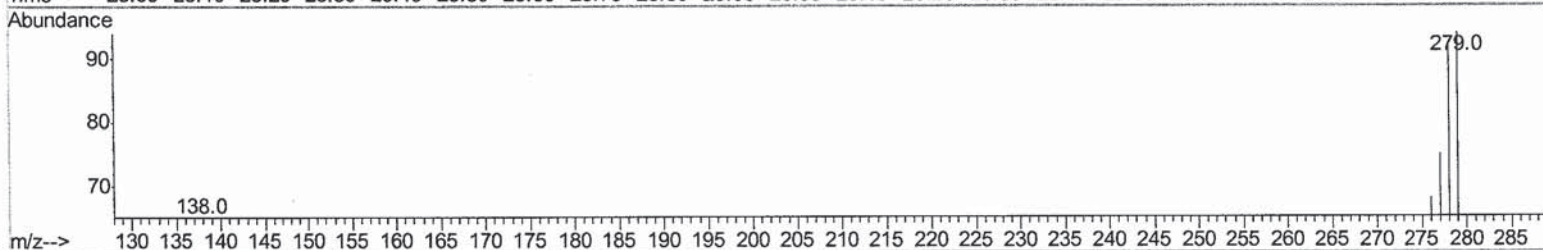
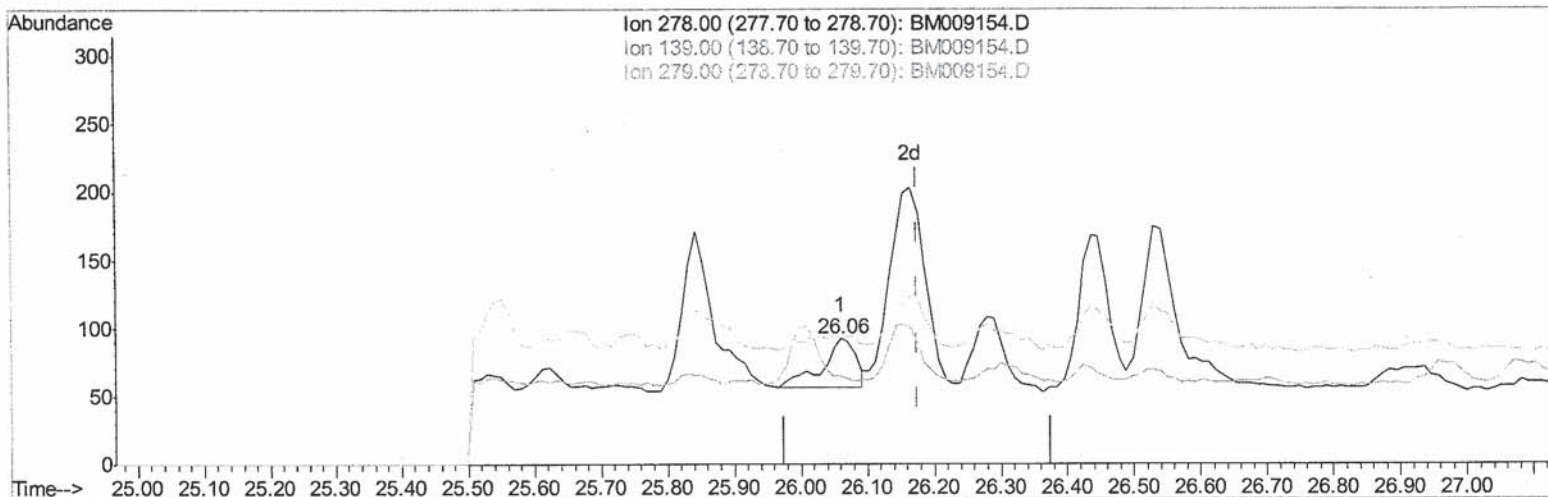
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

(25) Dibenzo(a,h)anthracene

26.061min (-0.115) 0.03ng/ul

response 130

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	70.65#
279.00	32.40	102.17#
0.00	0.00	0.00

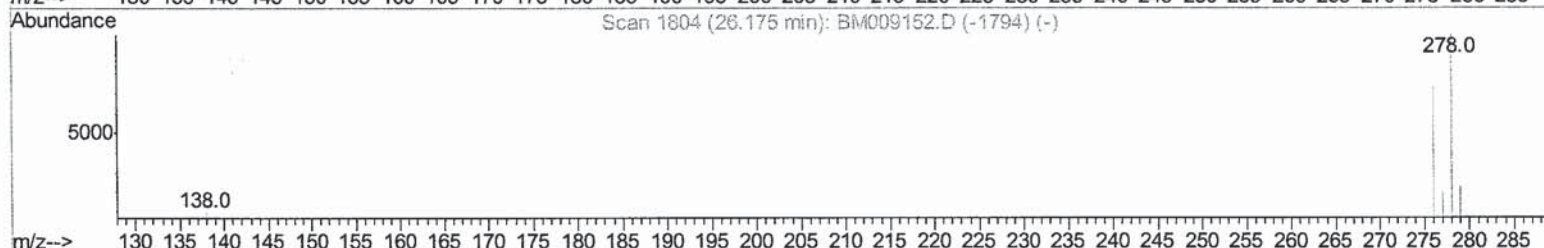
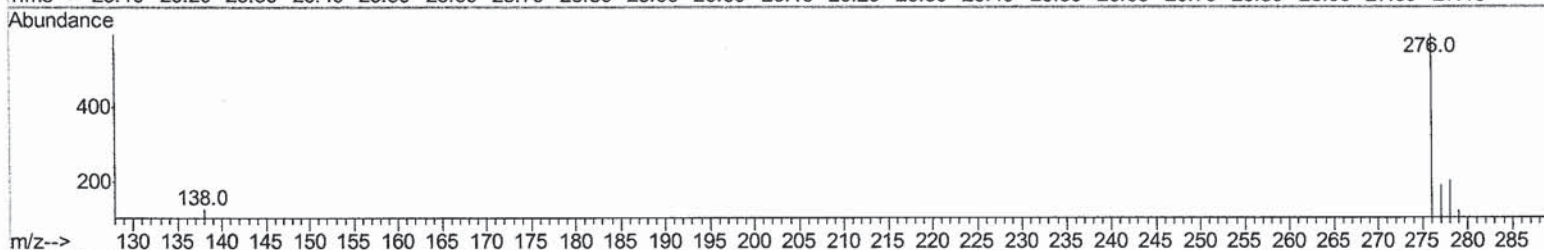
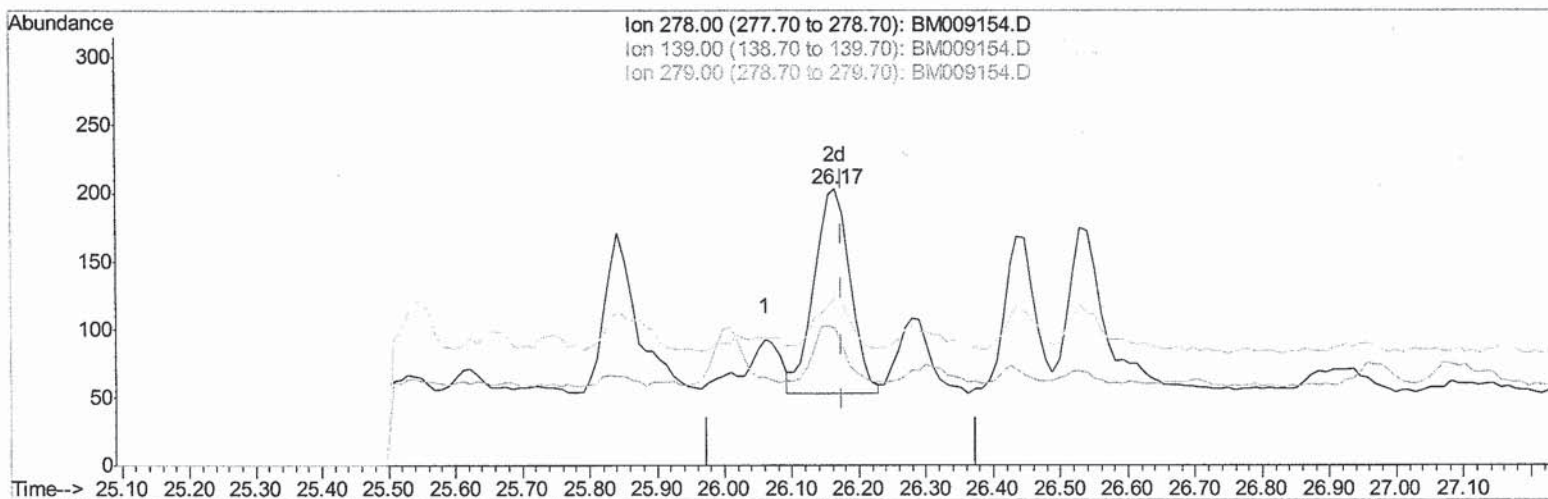
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.D

(25) Dibenzo(a,h)anthracene

26.165min (-0.010) 0.12ng/ul m

SJ 3/13/17

response 562

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	49.75#
279.00	32.40	60.59#
0.00	0.00	0.00

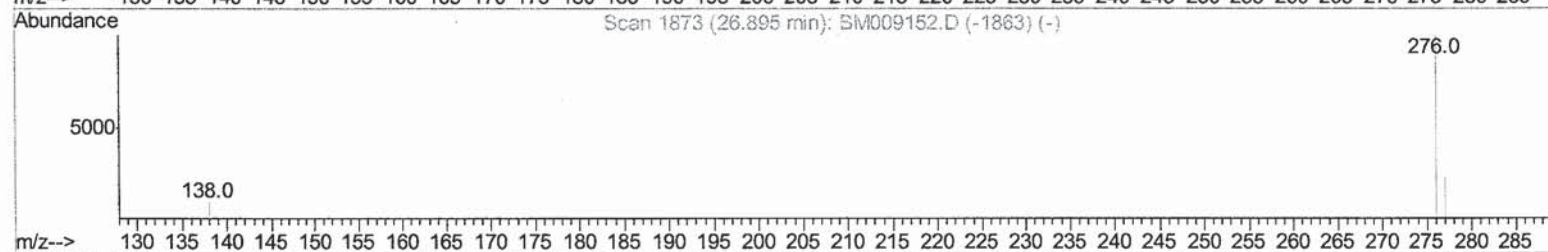
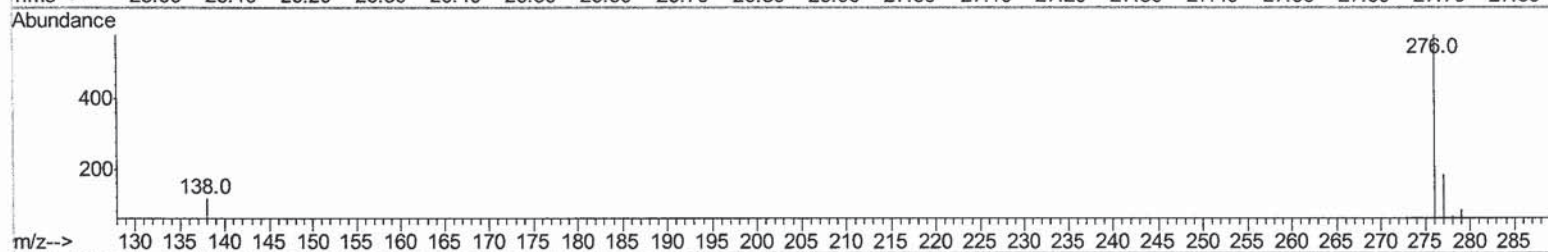
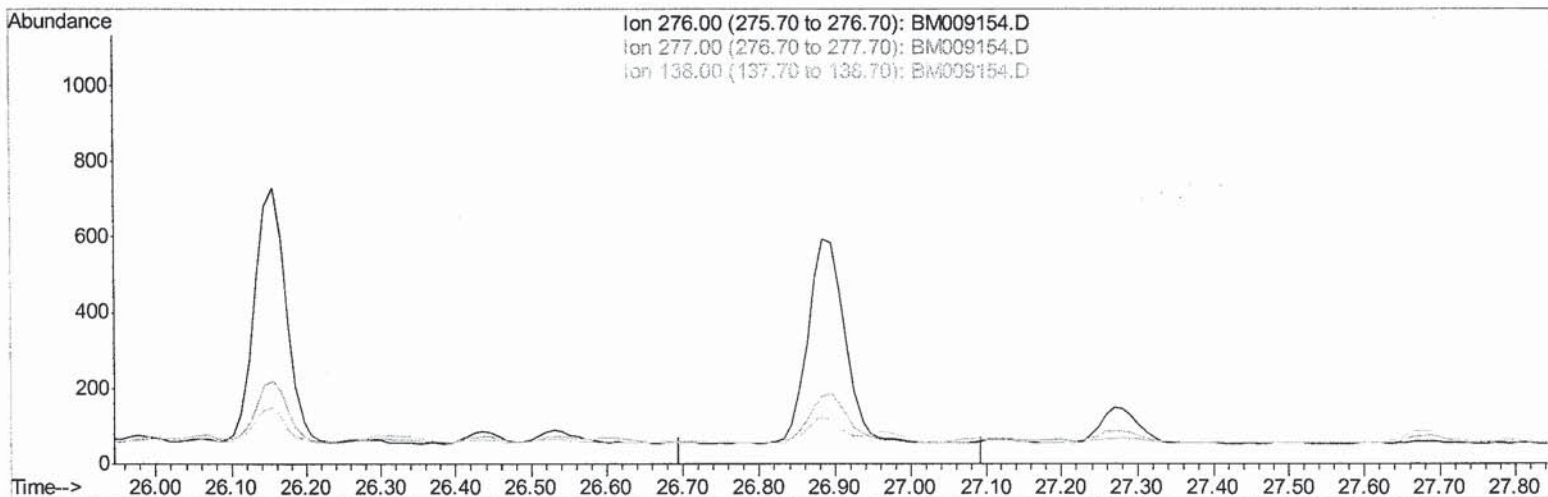
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual Integrations
APPROVED

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3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:25:08 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: BM009154.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

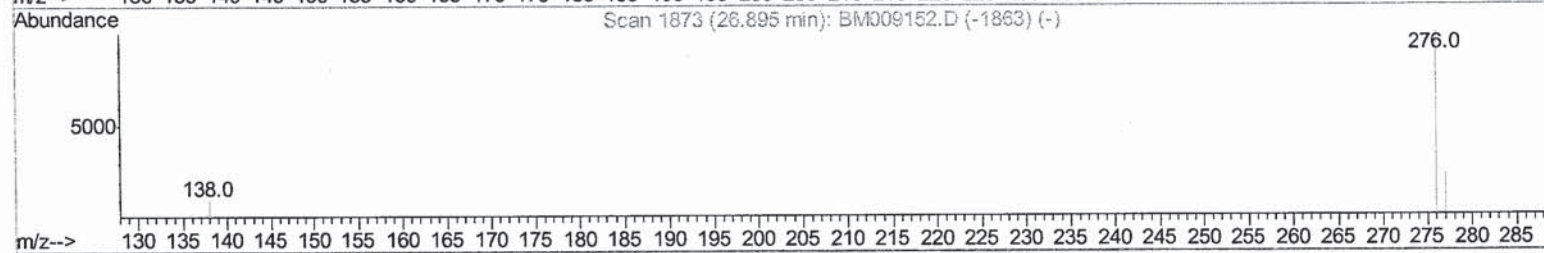
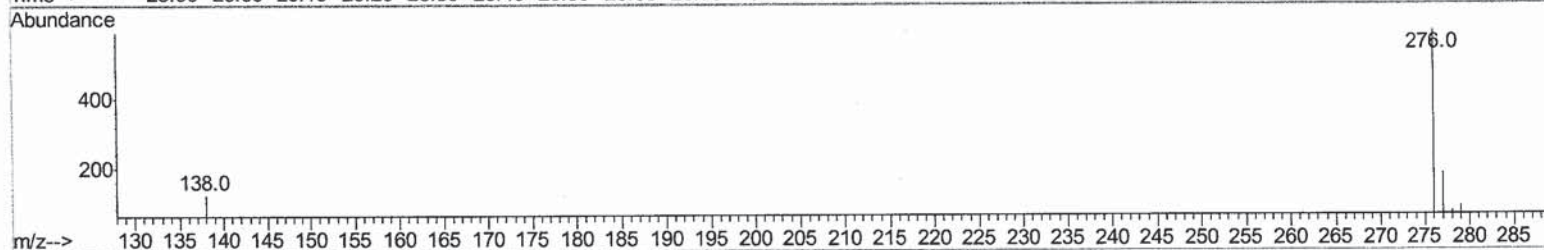
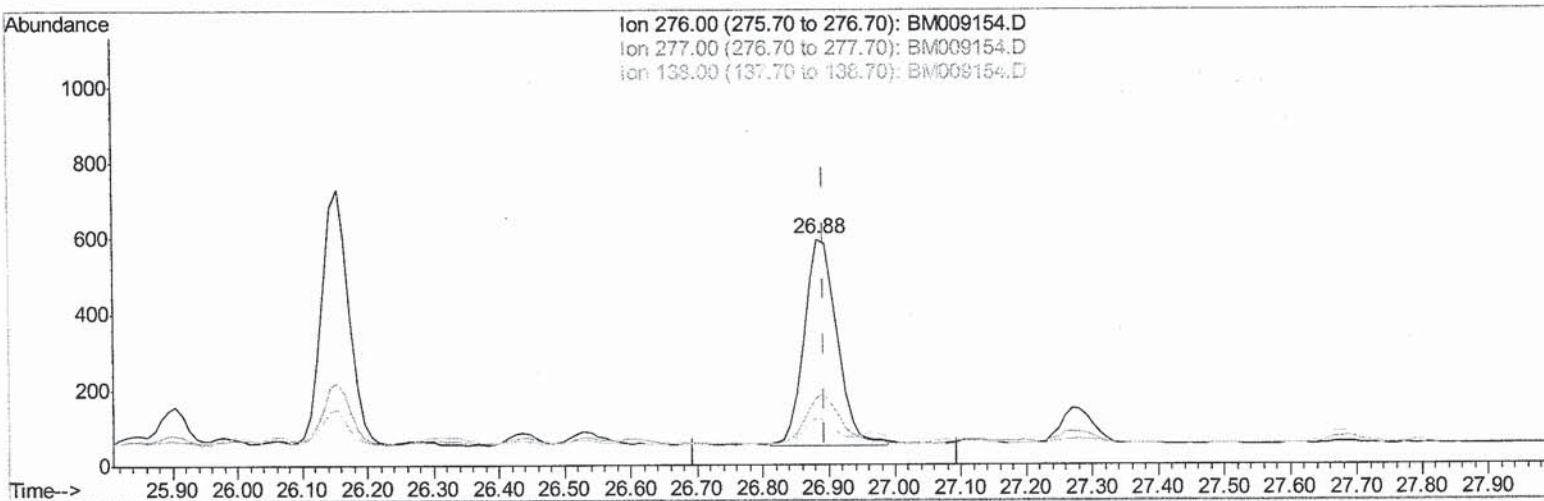
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009154.D
Acq On : 09 Mar 2017 20:21
Operator : SJ/MA
Sample : I2069-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AJ3

Manual Integrations
APPROVED

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Quant Time: Mar 10 03:25:08 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: BM009154.D

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

26.884min (-0.010) 0.40ng/ul m

SJ 3/13/17

response 1868

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	30.08
138.00	25.60	20.67
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009154.D
 Acq On : 09 Mar 2017 20:21
 Operator : SJ/MA
 Sample : I2069-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual Integrations
 APPROVED

mohammad
 3/10/2017 6:01:24 PM

Quant Time: Mar 10 03:27:54 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	250	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	798	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	509	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1133m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1379	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1203m	0.40	ng/ul	0.00

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System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.27	152	358	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1129m	0.32	ng/ul	0.00

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Target Compounds

					Ovalue
3) Naphthalene	10.73	128	922	0.40 ng/ul#	90
5) 2-Methylnaphthalene	12.34	142	661	0.40 ng/ul	99
12) Phenanthrene	17.30	178	2141	0.60 ng/ul	96
13) Anthracene	17.40	178	396	0.11 ng/ul#	74
15) Fluoranthene	19.32	202	5549	1.20 ng/ul	95
17) Pyrene	19.68	202	5287	1.11 ng/ul	97
18) Benzo(a)anthracene	21.42	228	3119	0.68 ng/ul	96
19) Chrysene	21.47	228	3358	0.77 ng/ul	93
21) Benzo(b)fluoranthene	23.07	252	4850m	1.03 ng/ul	
22) Benzo(k)fluoranthene	23.11	252	1358m	0.32 ng/ul	
23) Benzo(a)pyrene	23.67	252	3066m	0.72 ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	2005m	0.37 ng/ul	
25) Dibenzo(a,h)anthracene	26.17	278	562m	0.12 ng/ul	
26) Benzo(g,h,i)perylene	26.88	276	1868m	0.40 ng/ul	

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