

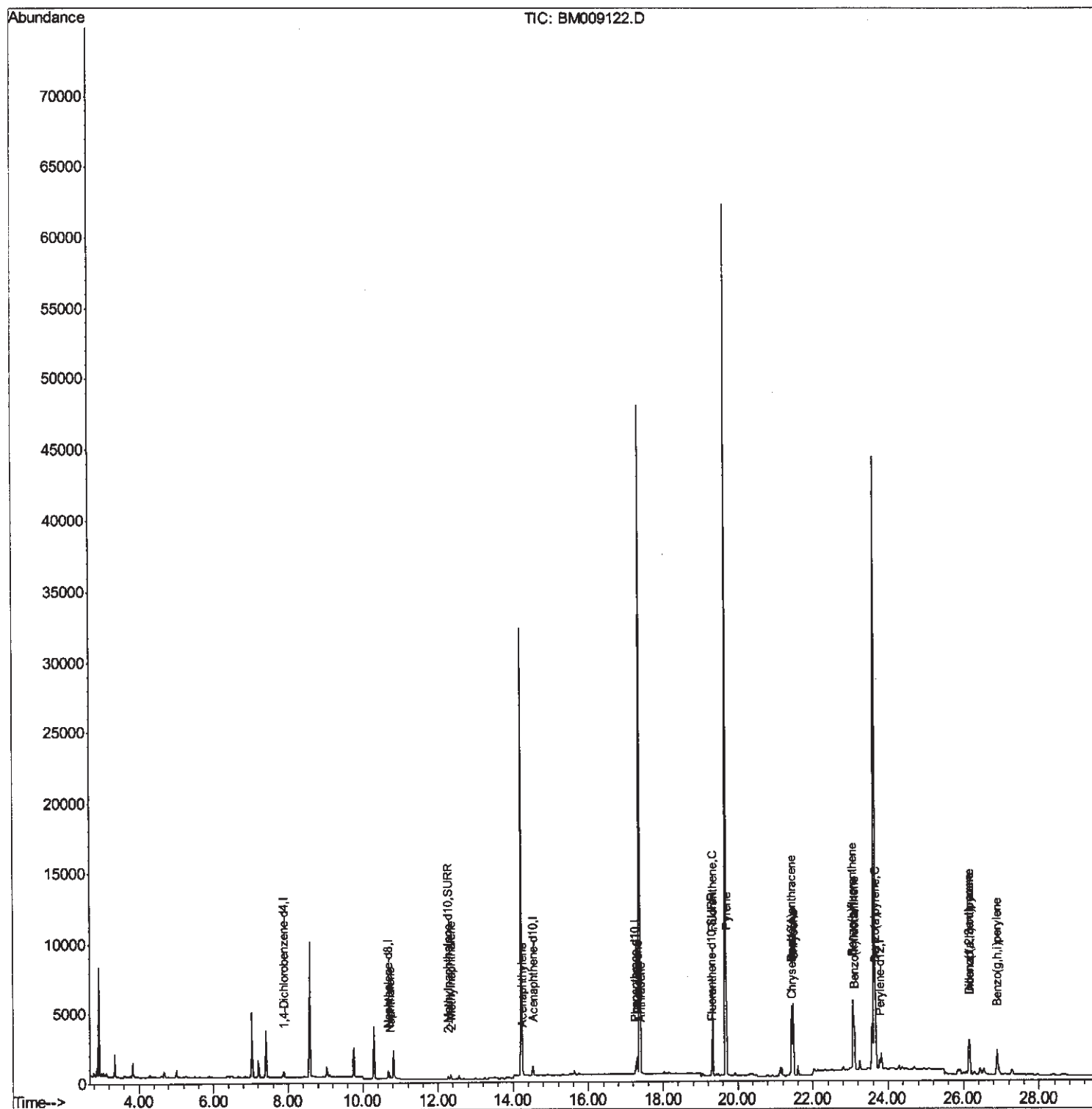
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:51:44 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



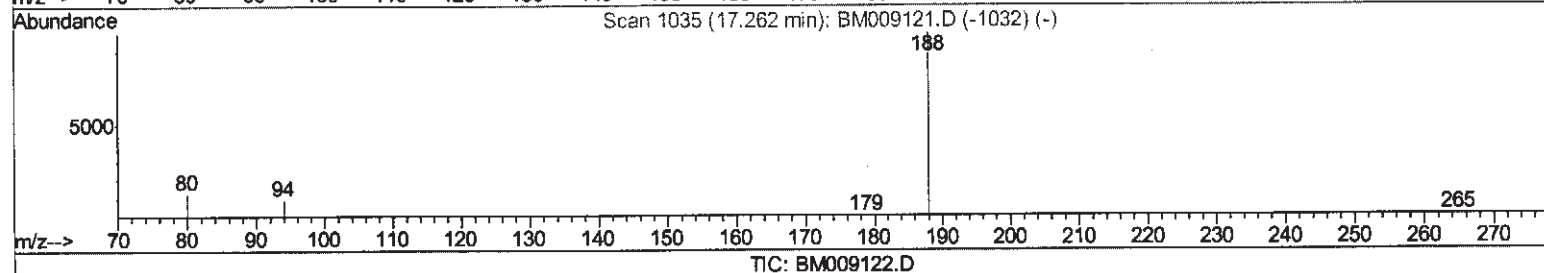
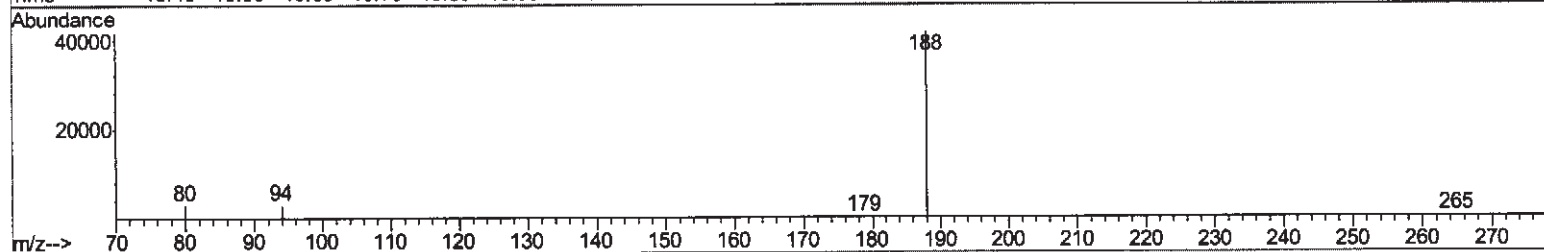
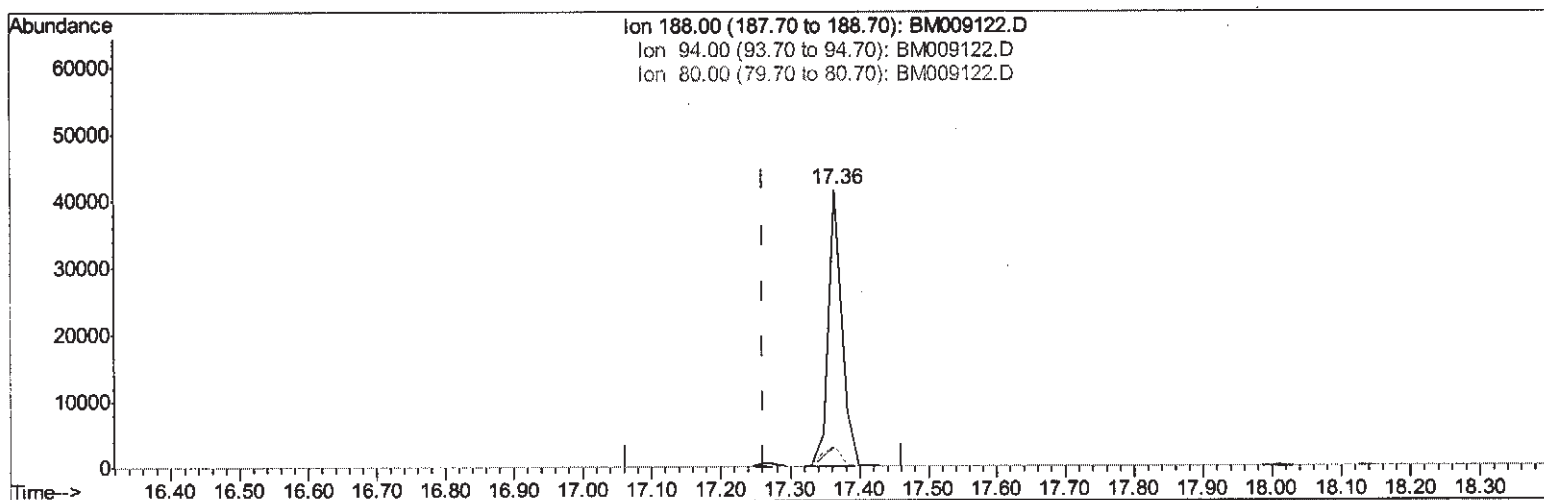
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
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Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:45:25 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: BM009122.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 56554

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.18#
80.00	11.80	7.34#
0.00	0.00	0.00

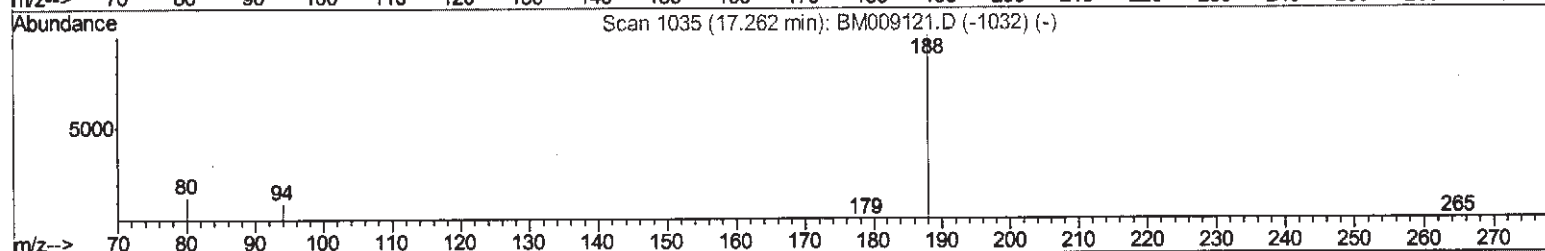
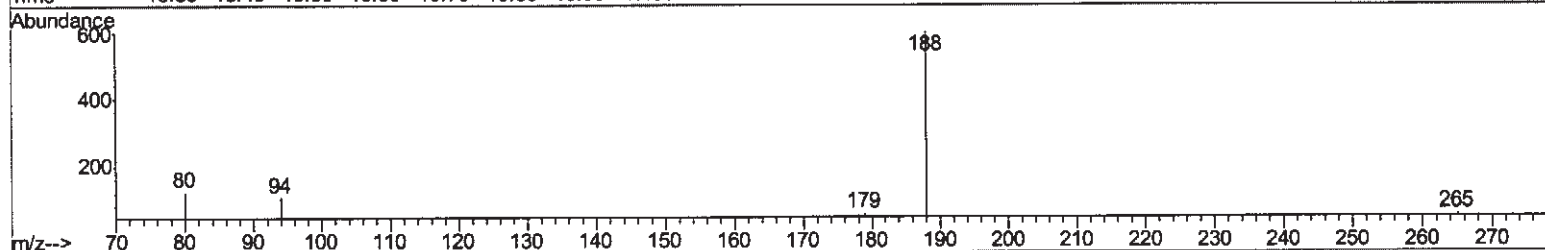
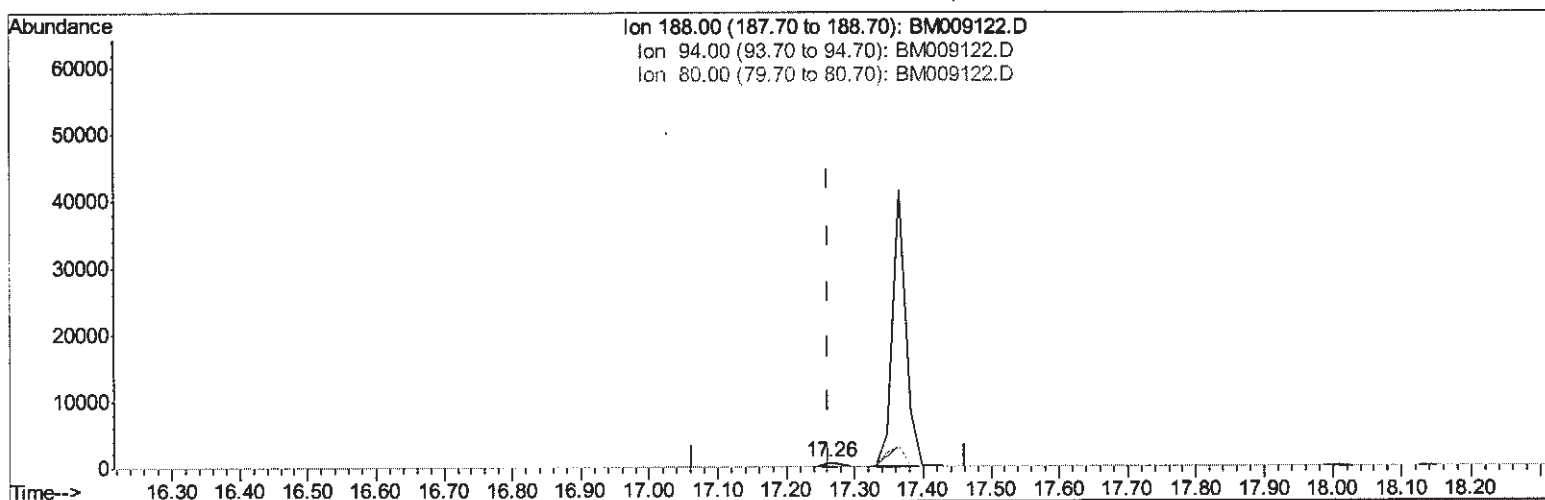
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:45:25 2017
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TIC: BM009122.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

response 1026

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	17.64#
80.00	11.80	20.63#
0.00	0.00	0.00

SJ
03/16/17

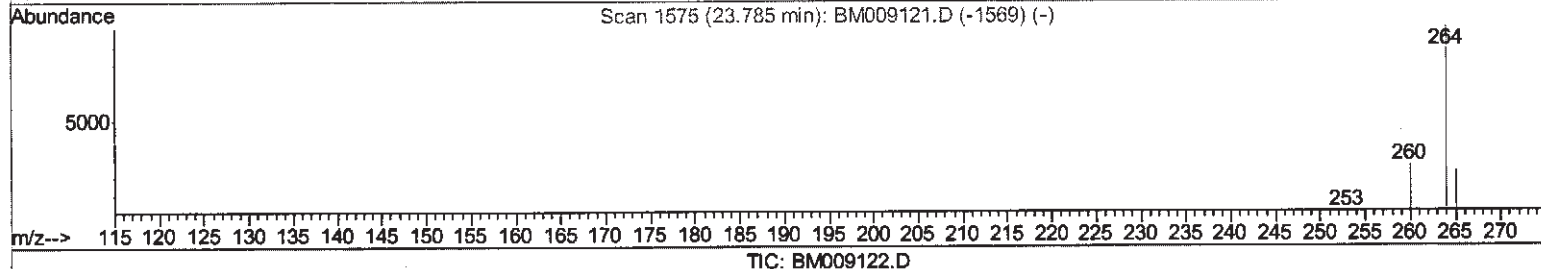
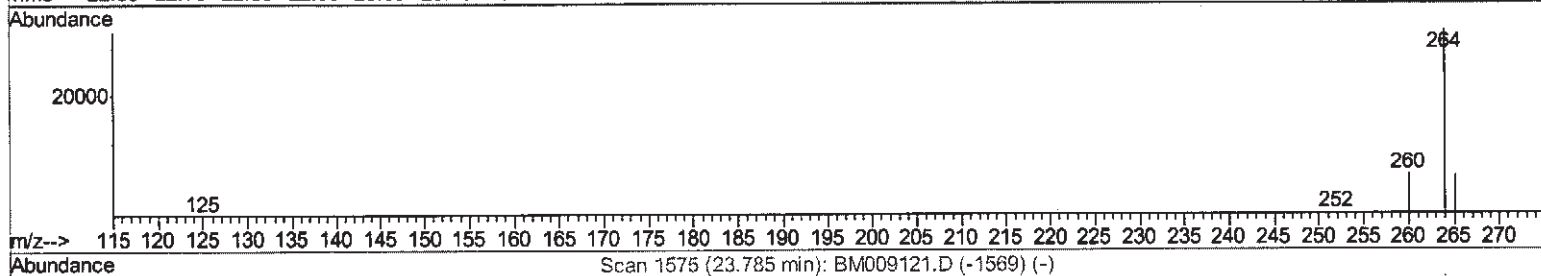
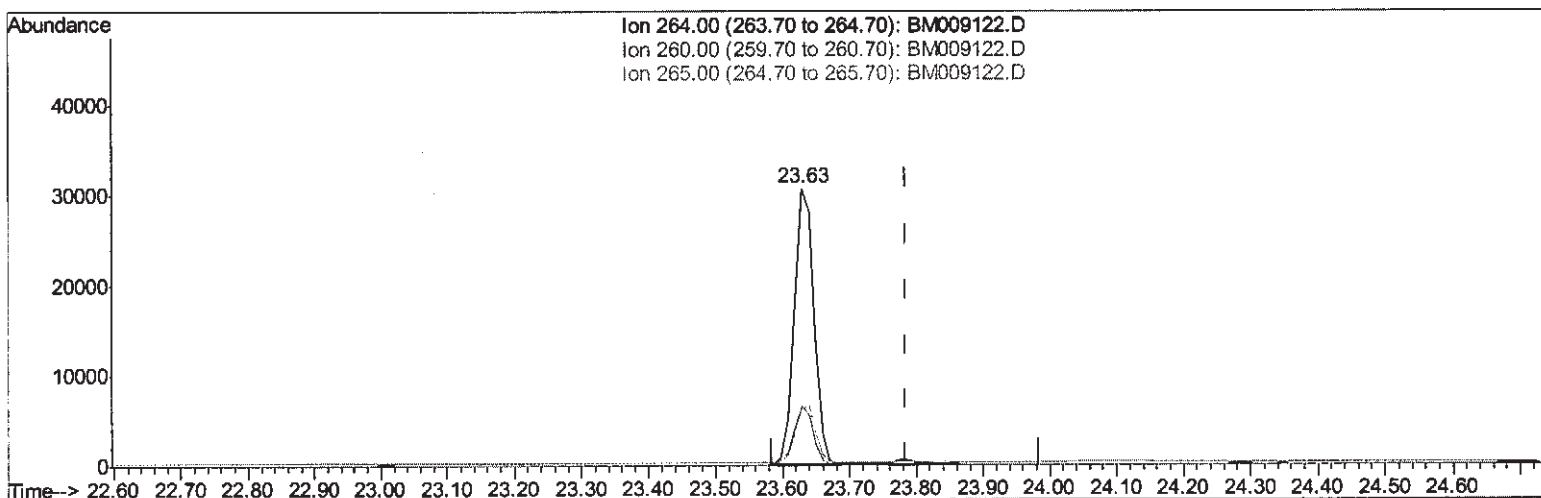
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:45:25 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



(20) Perylene-d12 (I)

23.629min (-0.156) 0.40ng/ui

response 61419

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.55#
265.00	103.50	21.13#
0.00	0.00	0.00

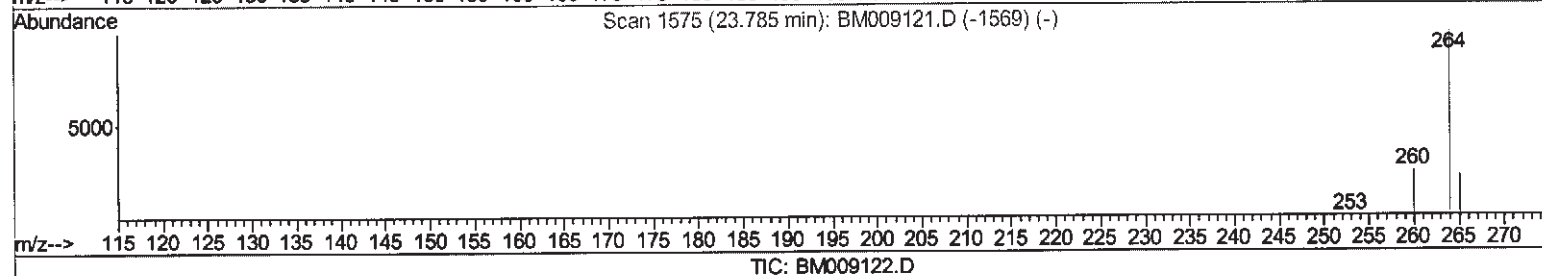
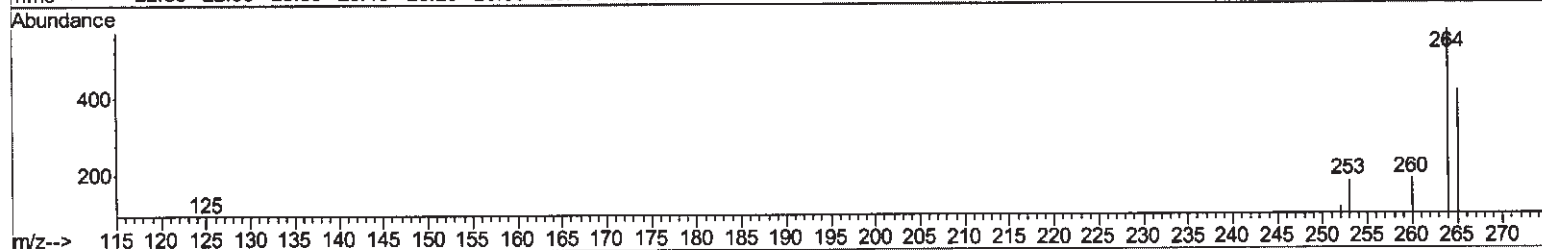
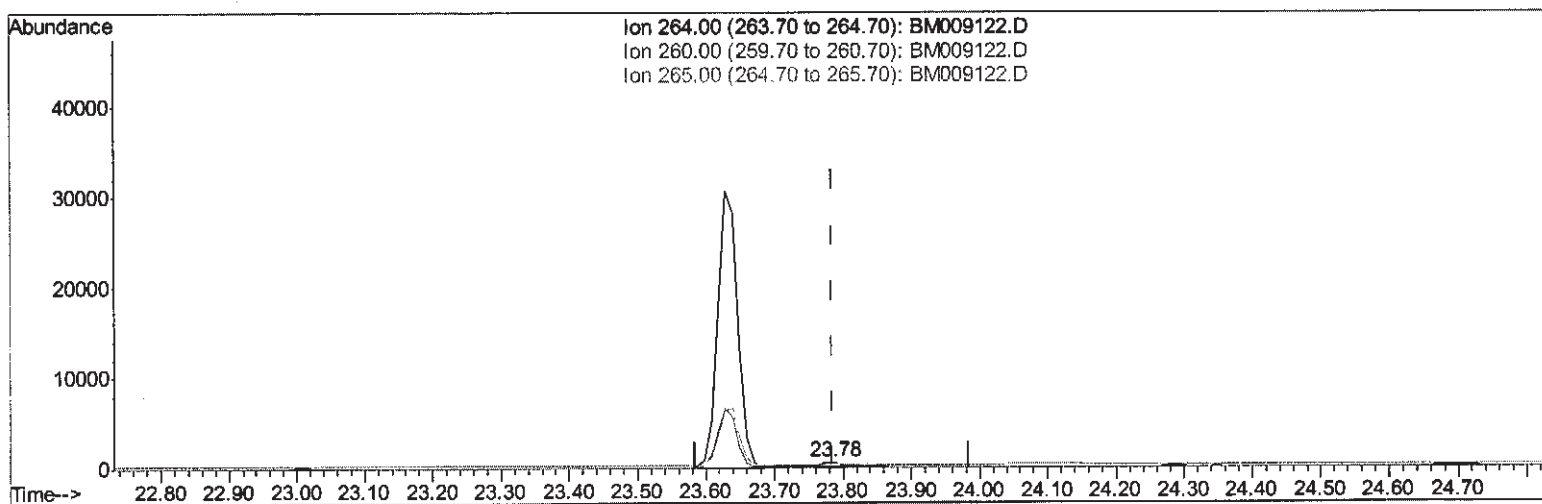
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:45:25 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

response 1054

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.94
265.00	103.50	72.77#
0.00	0.00	0.00

SJ
03/16/17

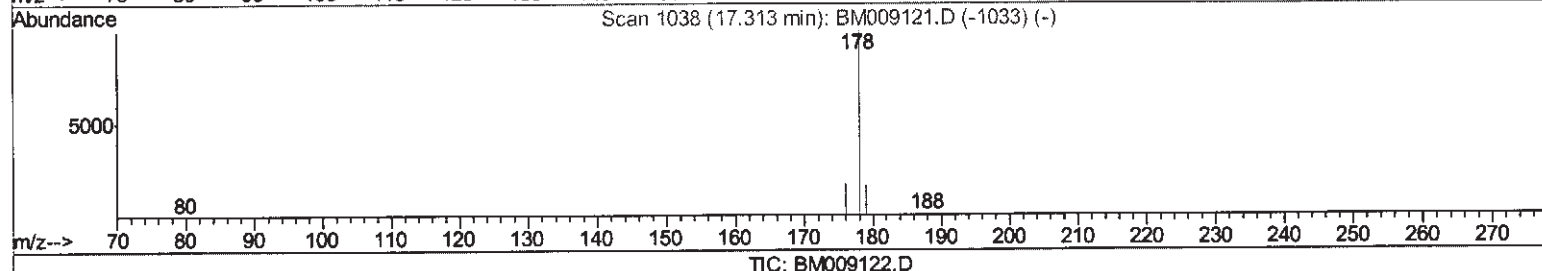
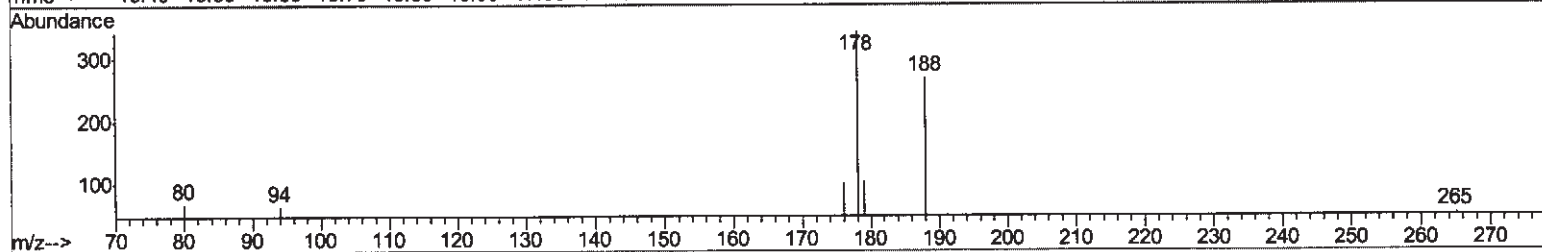
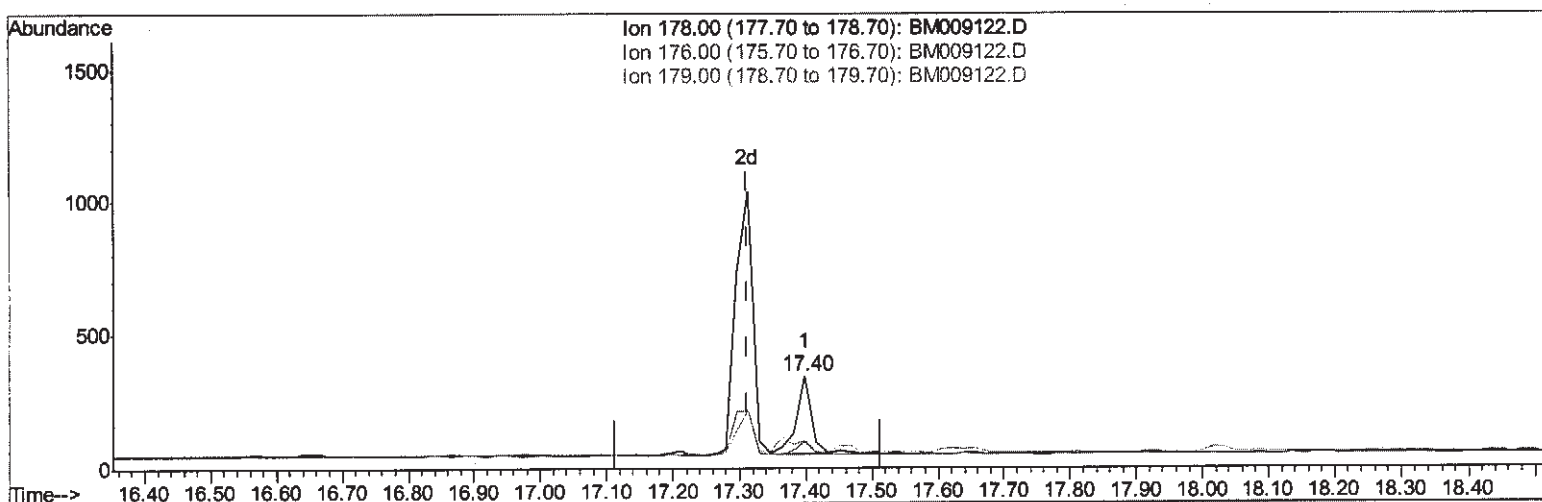
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
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Sample : I2062-17
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Instrument :
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Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 2017
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(12) Phenanthrene

17.399min (+0.086) 0.15ng/ul

response 484

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	29.15#
179.00	17.00	29.74#
0.00	0.00	0.00

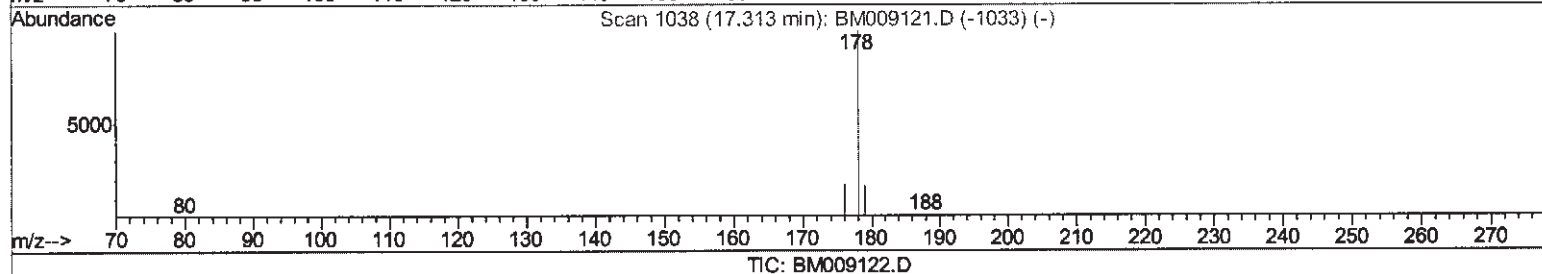
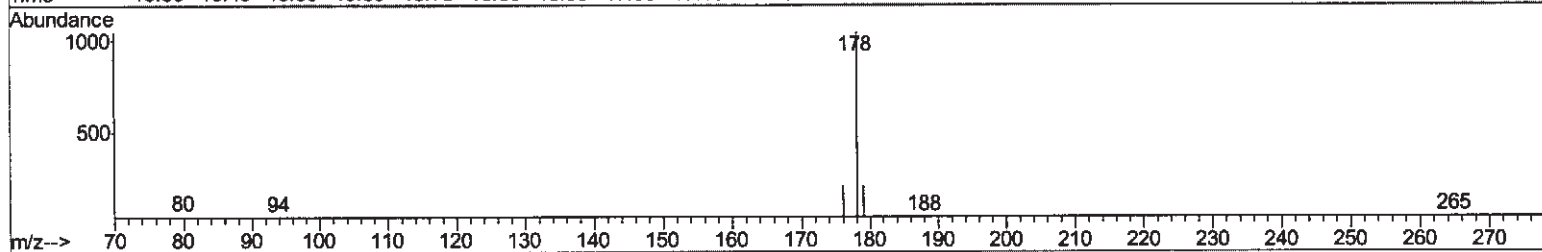
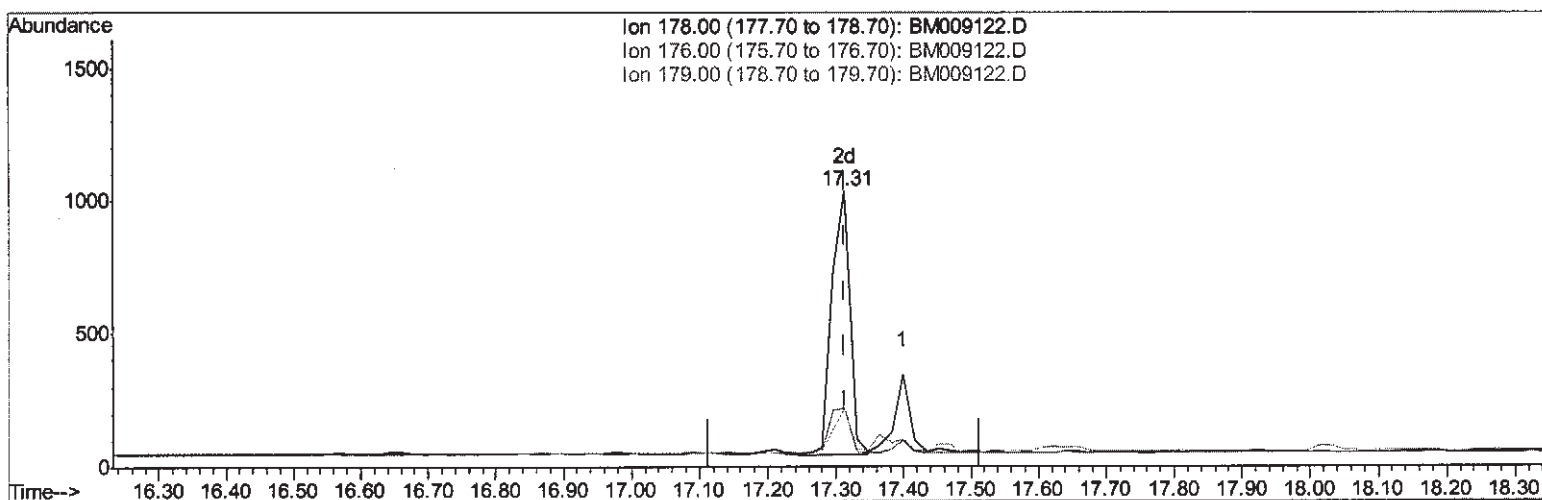
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 2017
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Response via : Initial Calibration



(12) Phenanthrene

17.313min (+0.000) 0.57ng/ul m >

response 1838

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	21.06
179.00	17.00	20.87#
0.00	0.00	0.00

SJ
03/16/17

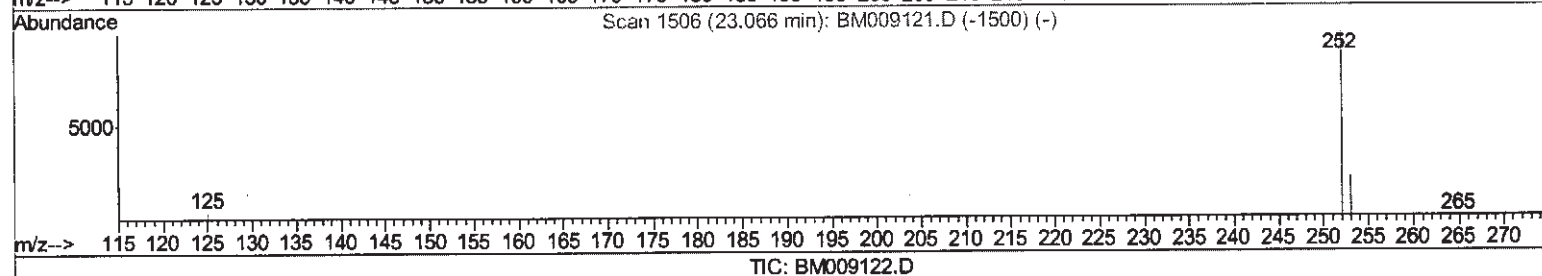
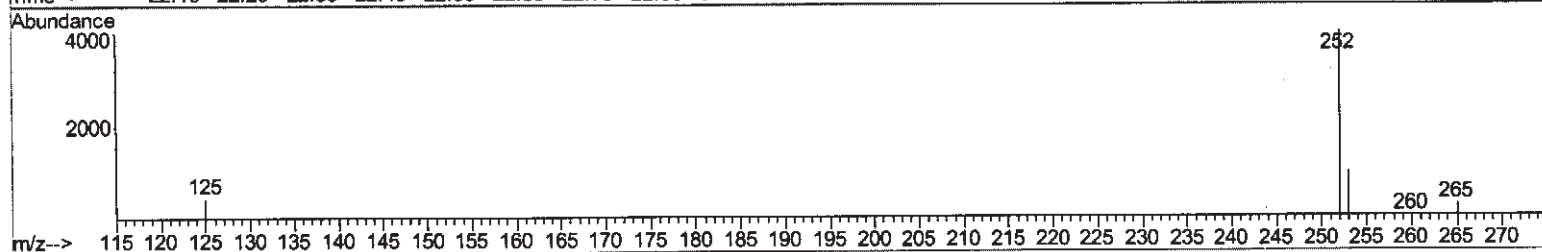
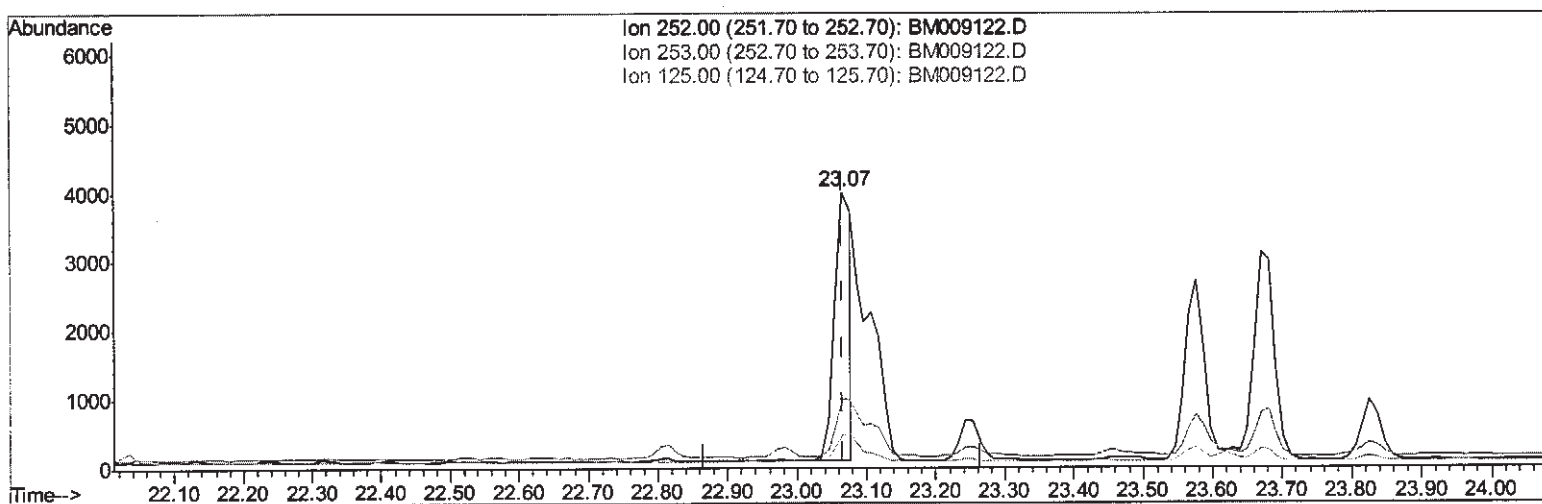
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 2017
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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) 1.58ng/ul

response 6547

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	25.16
125.00	17.50	11.82
0.00	0.00	0.00

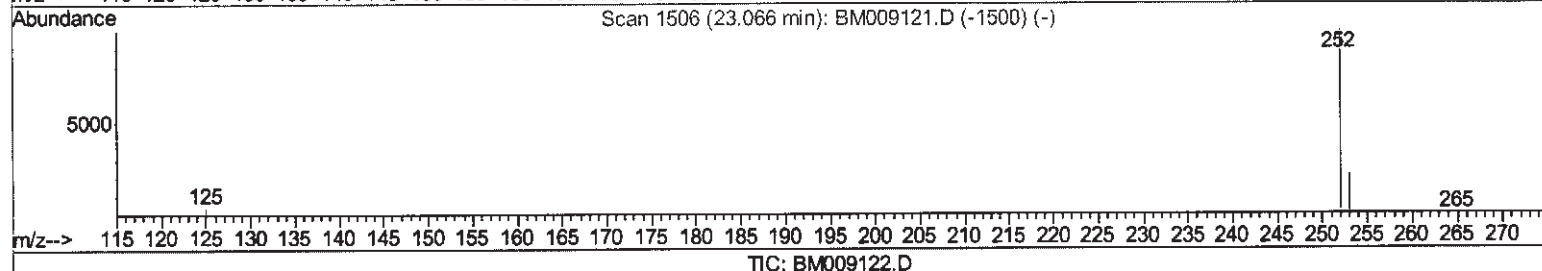
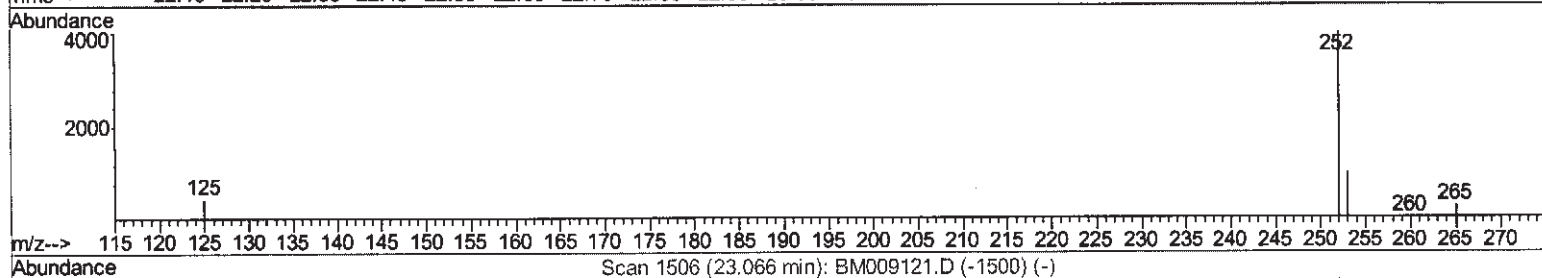
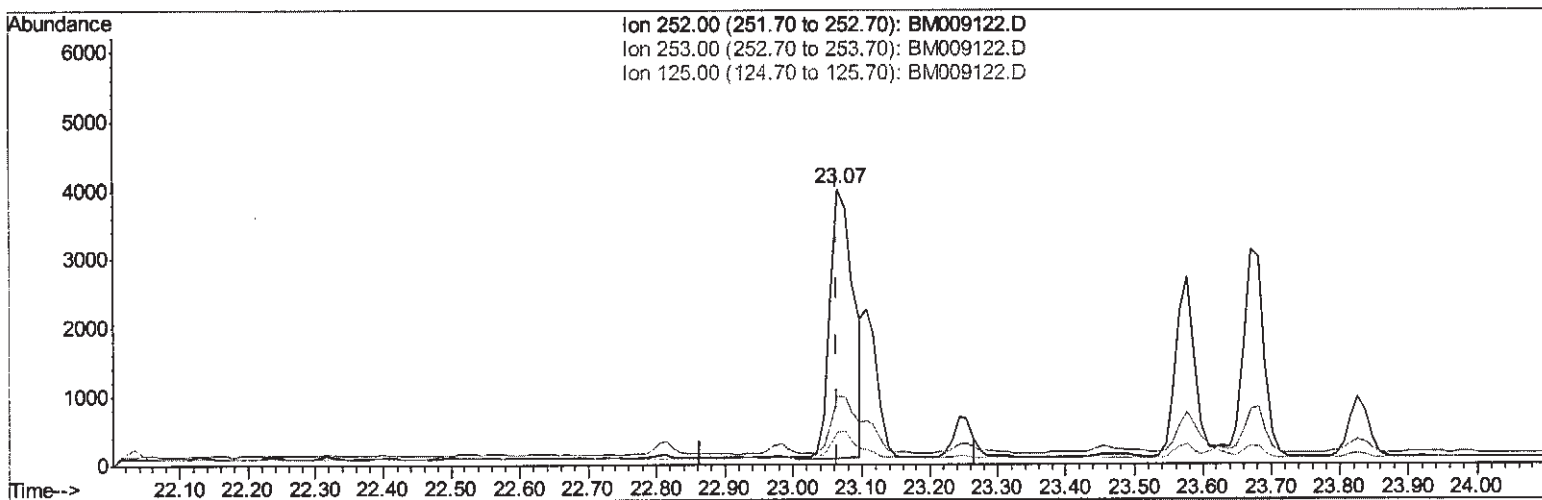
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 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



(21) Benzo(b)fluoranthene

23.066min (+0.000) 2.28ng/ul m

response 9460

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	25.16
125.00	17.50	11.82
0.00	0.00	0.00

SJ
03/16/17

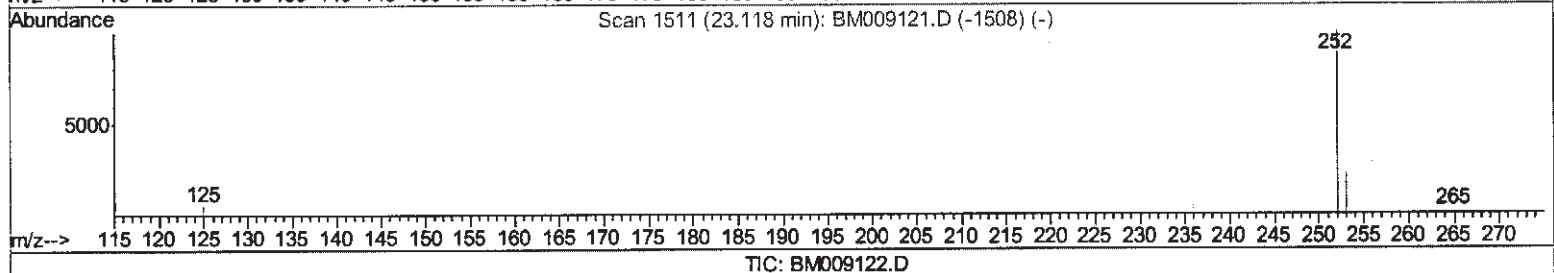
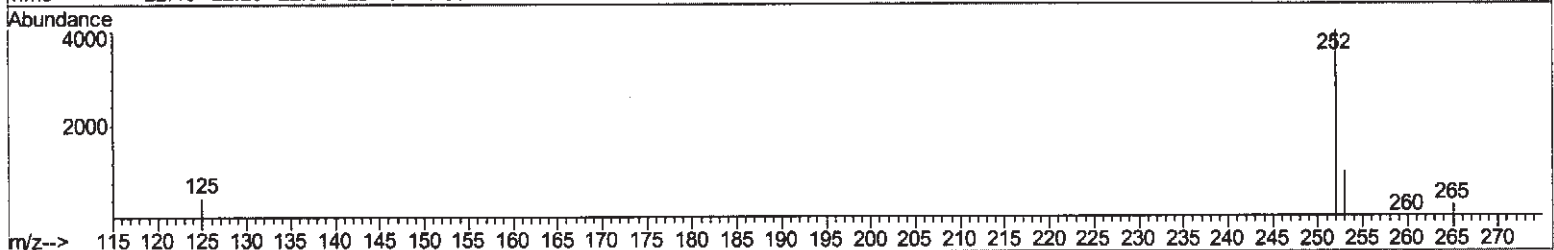
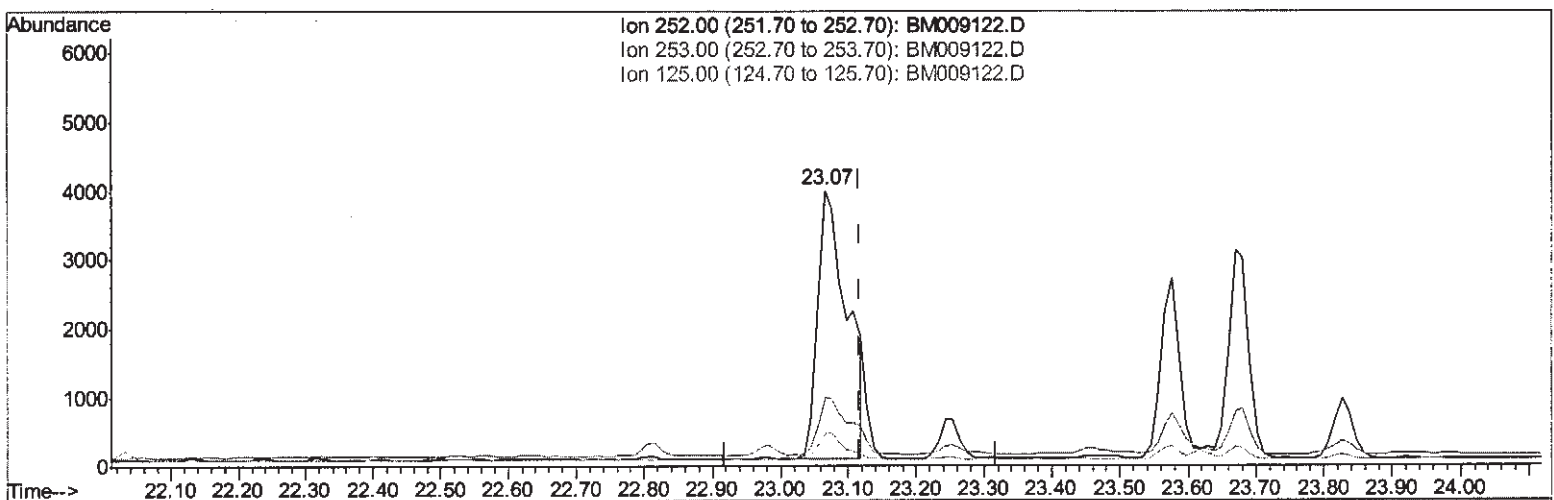
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 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



(22) Benzo(k)fluoranthene

23.066min (-0.052) 3.24ng/ul

response 11864

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.16
125.00	17.10	11.82#
0.00	0.00	0.00

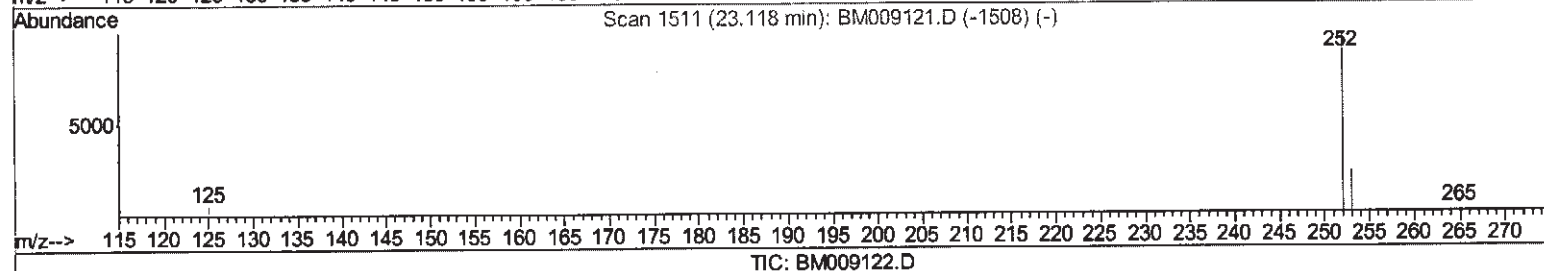
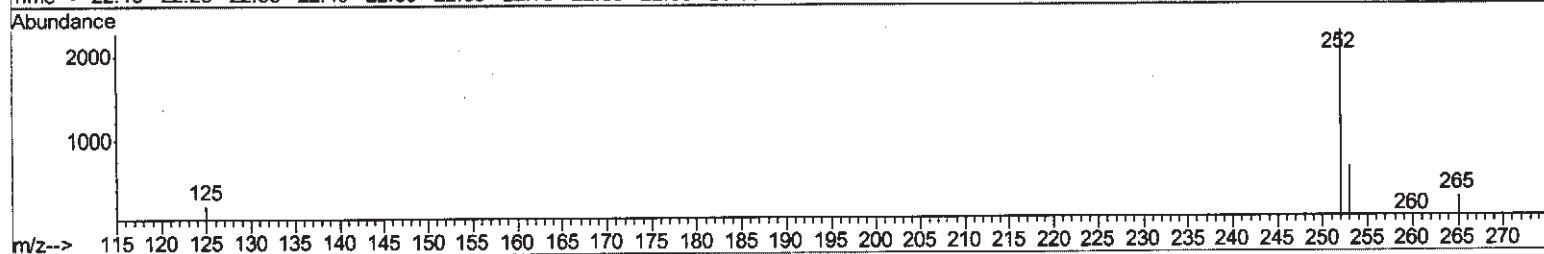
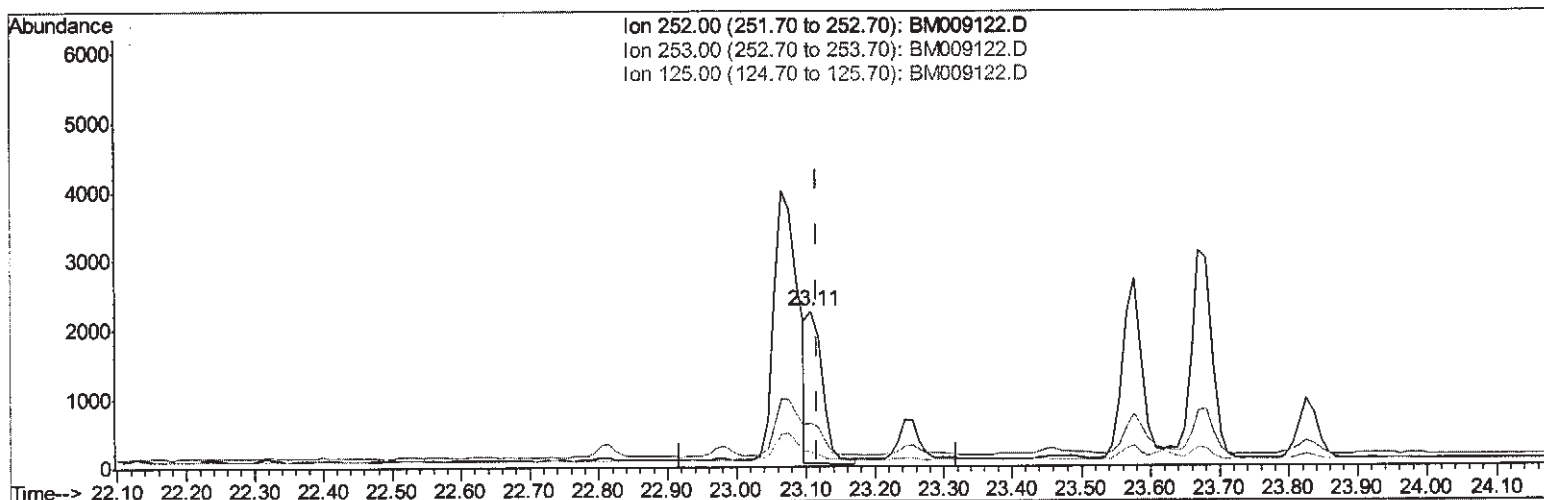
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
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Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 2017
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(22) Benzo(k)fluoranthene

23.107min (-0.010) 0.91ng/ul m

response 3332

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.48
125.00	17.10	9.83#
0.00	0.00	0.00

SJ
03/16/17

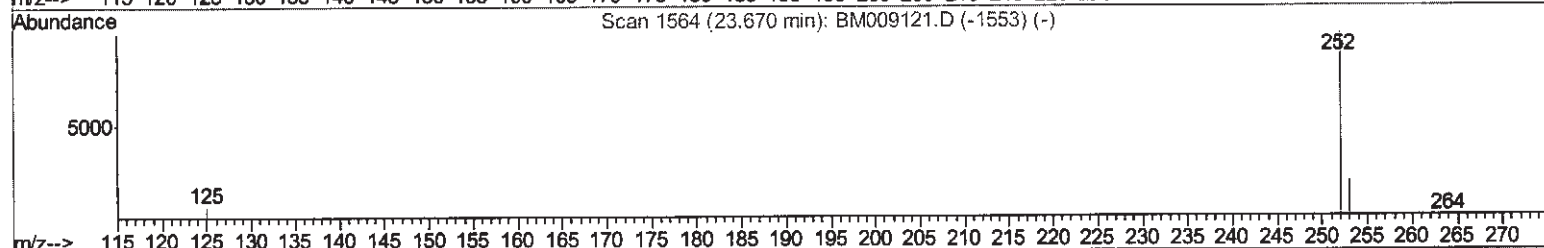
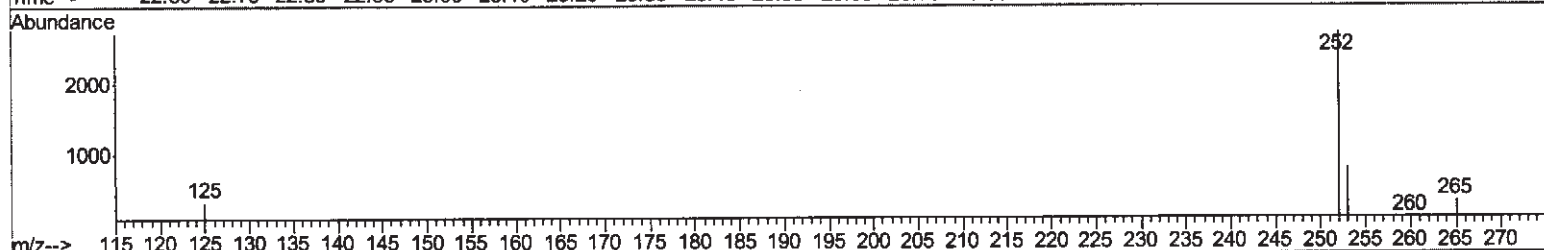
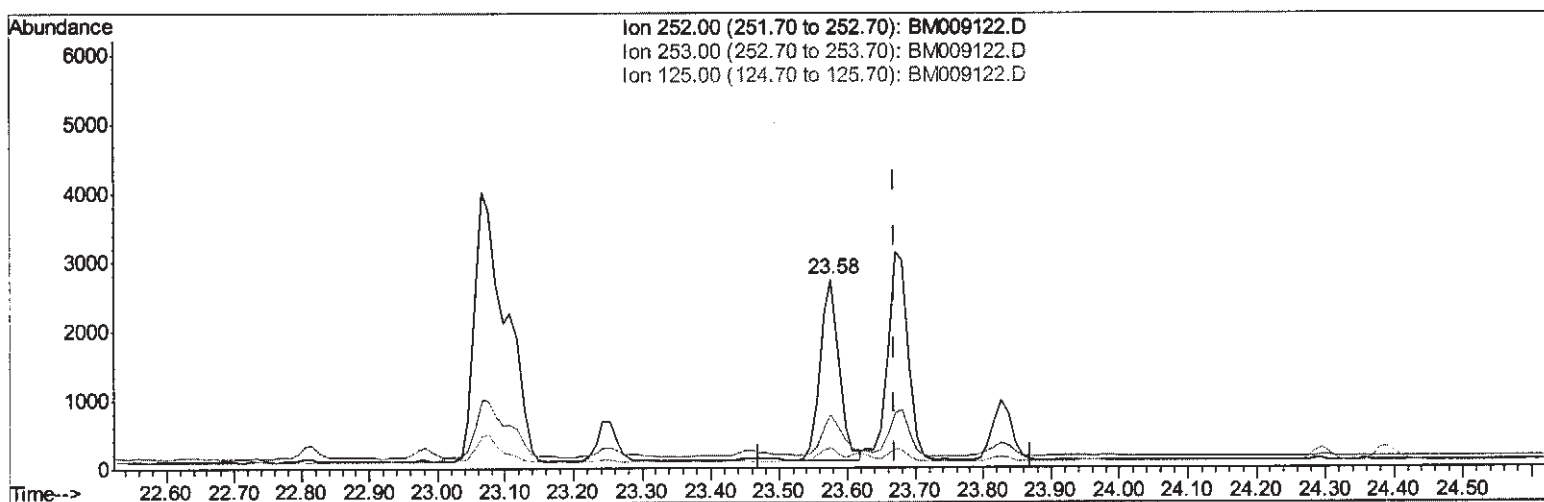
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
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Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
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Manual Integrations
APPROVED

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3/9/2017 2:01:39 PM

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(23) Benzo(a)pyrene (C)

23.576min (-0.094) 1.36ng/ul

response 5082

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.91#
125.00	22.60	10.81#
0.00	0.00	0.00

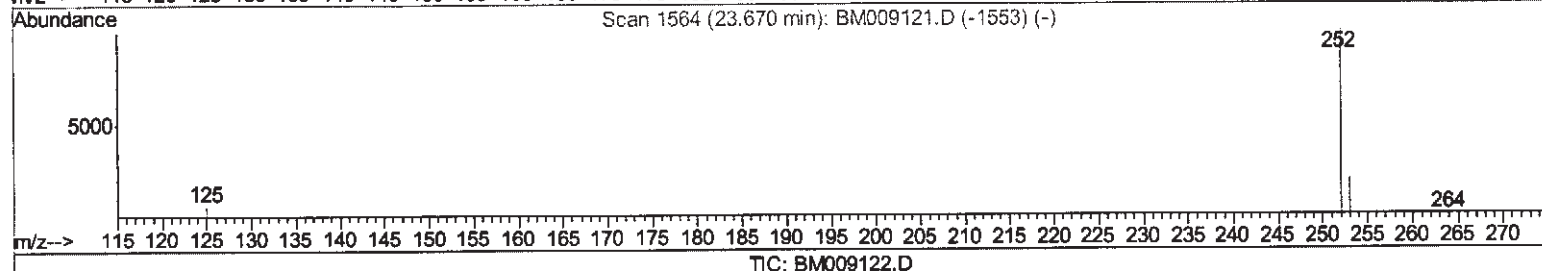
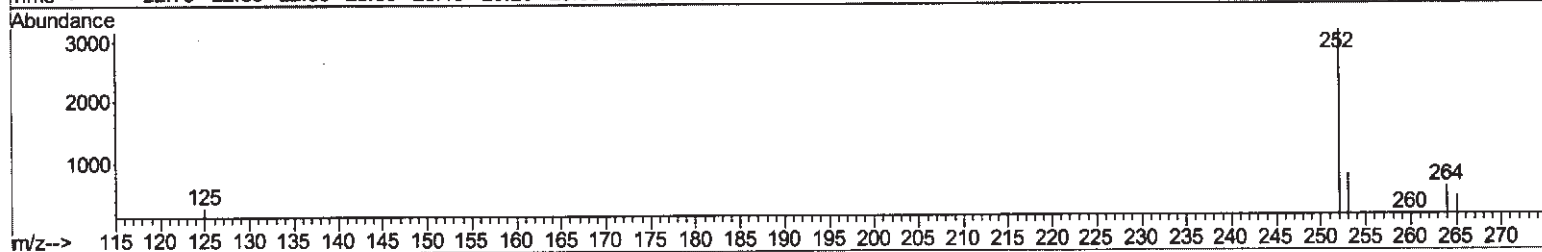
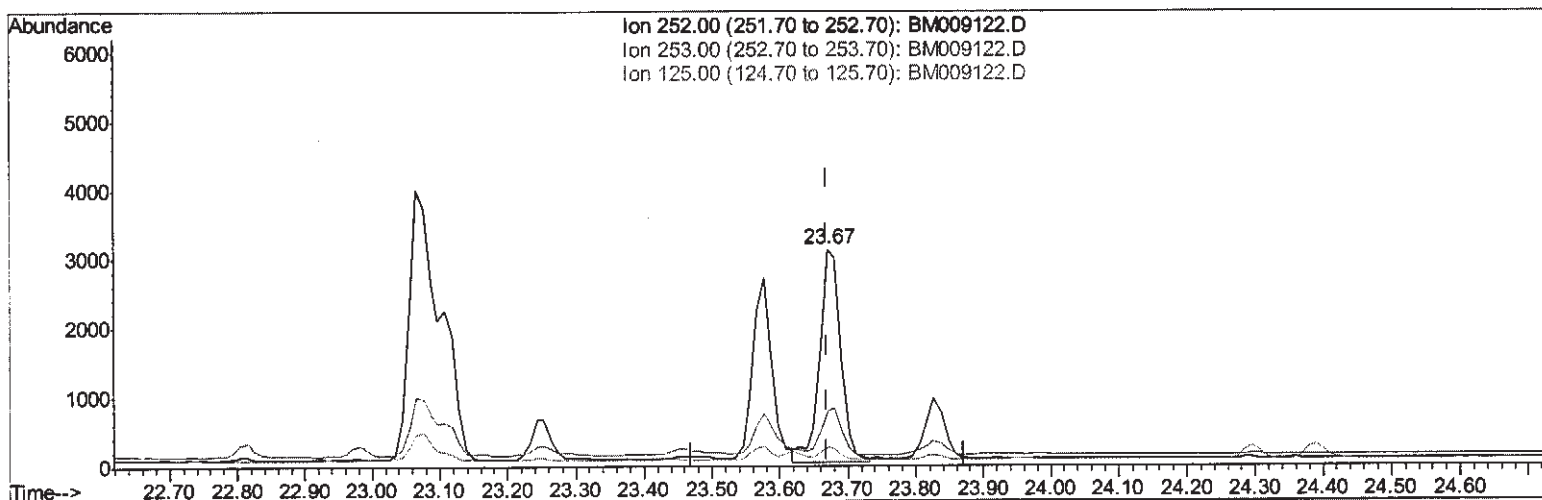
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Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

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Manual Integrations
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mohammad
3/9/2017 2:01:39 PM

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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Response via : Initial Calibration



TIC: BM009122.D

(23) Benzo(a)pyrene (C)

23.670min (+0.000) 1.79ng/ul m

response 6663

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.80#
125.00	22.60	9.02#
0.00	0.00	0.00

SJ
03/16/17

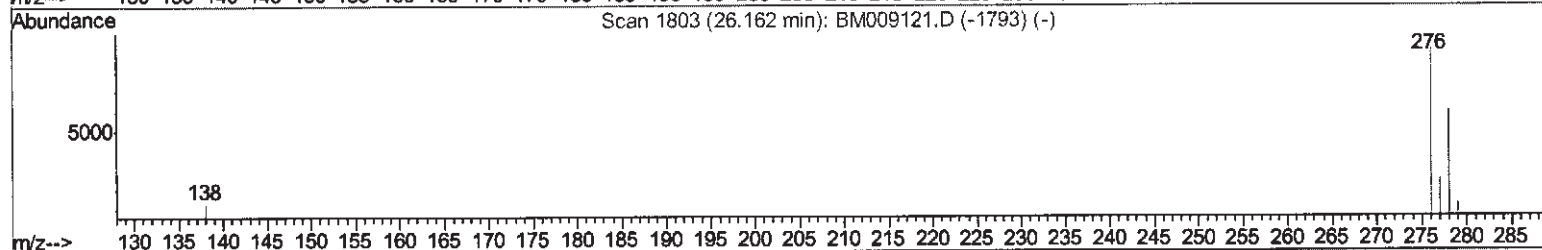
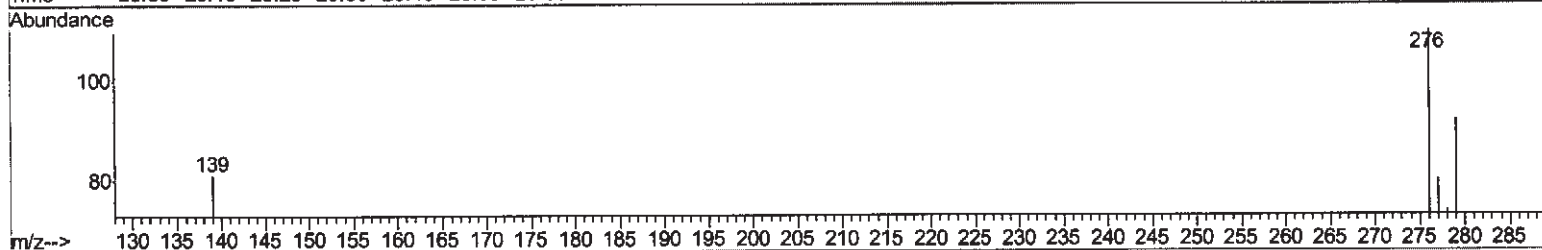
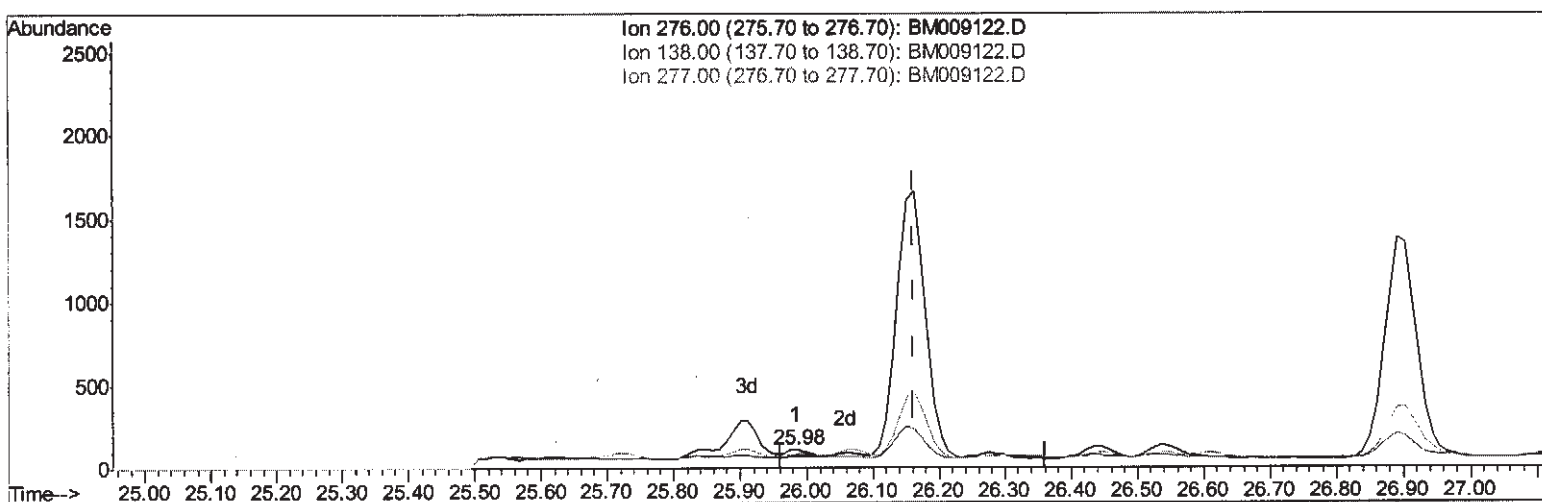
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TIC: BM009122.D

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

25.984min (-0.177) 0.02ng/ul

response 97

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	52.58#
277.00	24.50	51.55#
0.00	0.00	0.00

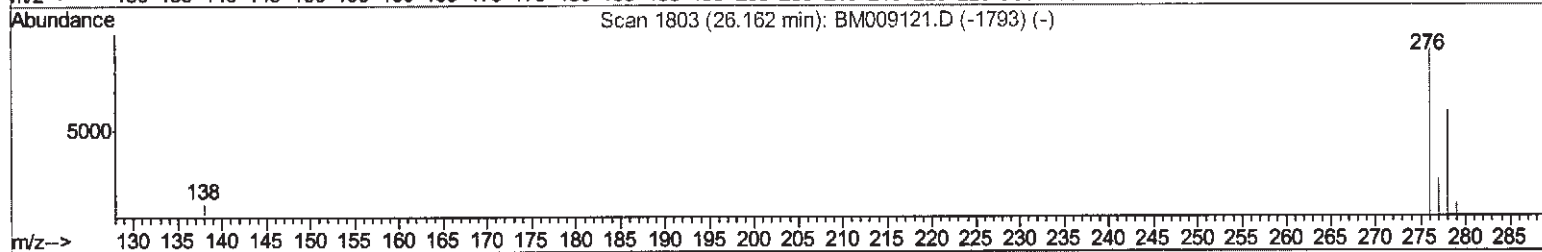
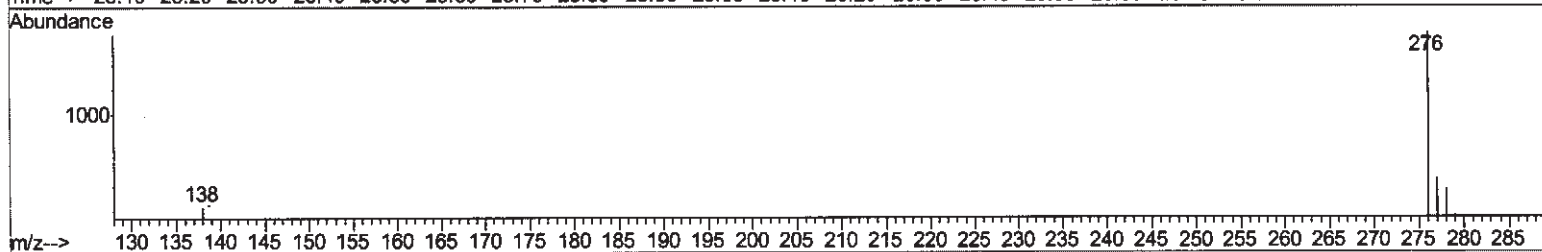
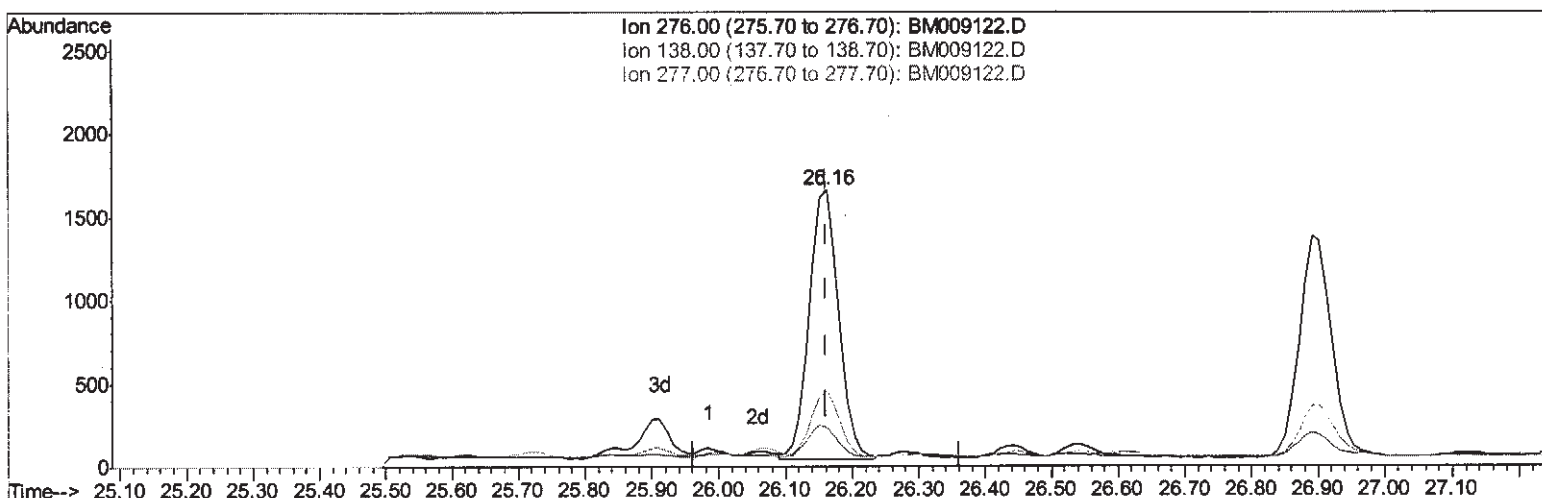
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 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: BM009122.D

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

26.162min (+0.000) 1.03ng/ul m

response 4886

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	1.04#
277.00	24.50	1.02#
0.00	0.00	0.00

SJ
03/16/17

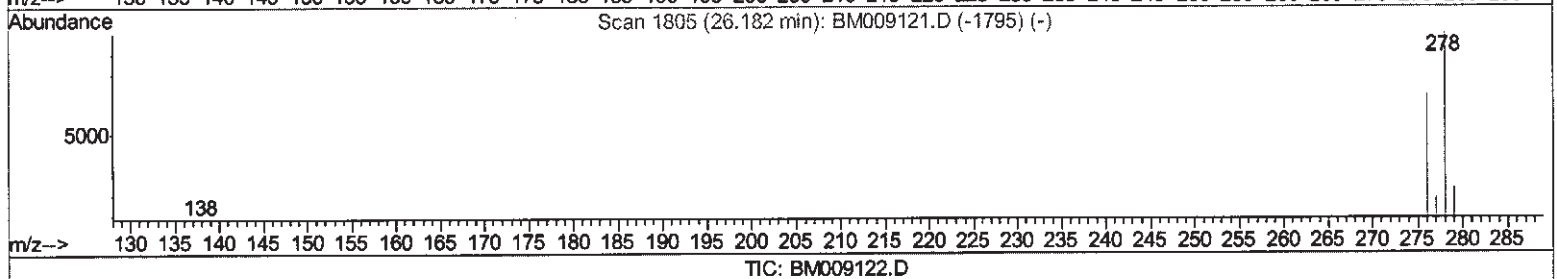
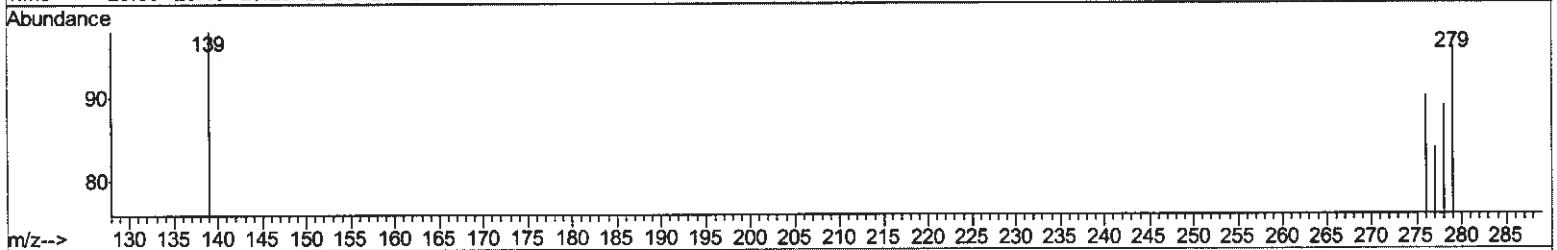
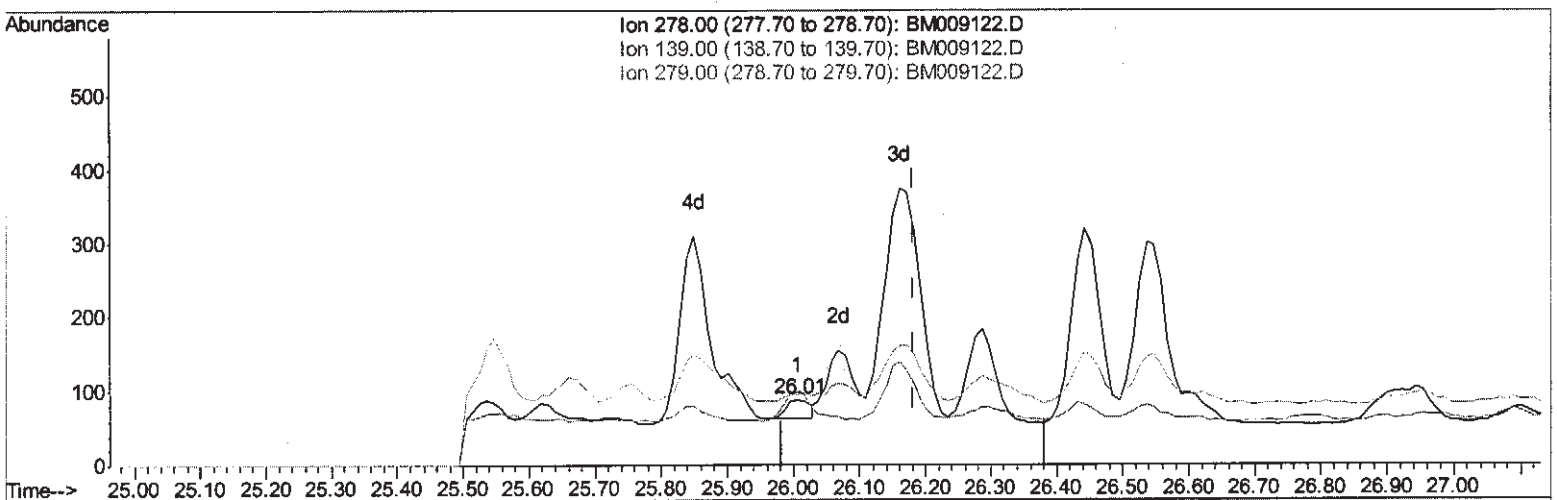
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 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



(25) Dibenzo(a,h)anthracene

26.005min (-0.177) 0.02ng/ul

response 63

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	110.11#
279.00	32.40	107.87#
0.00	0.00	0.00

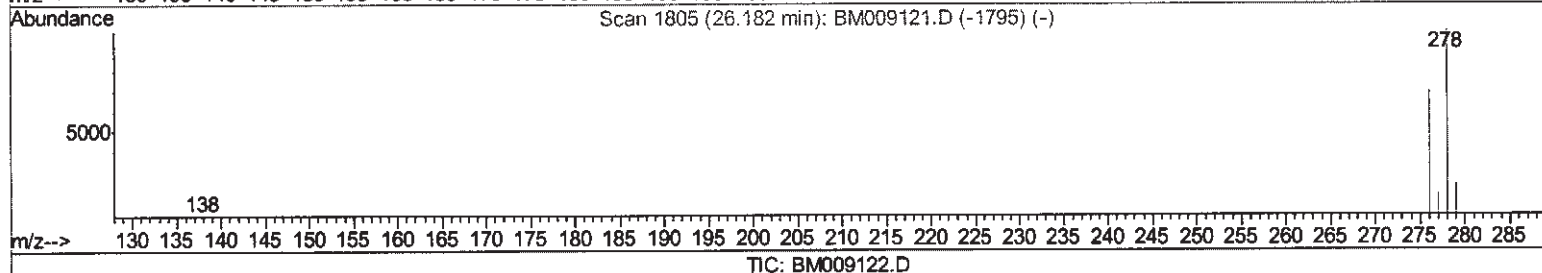
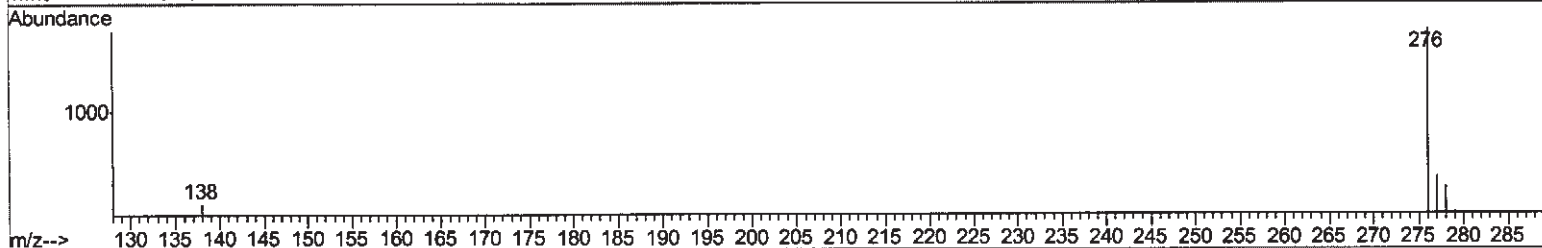
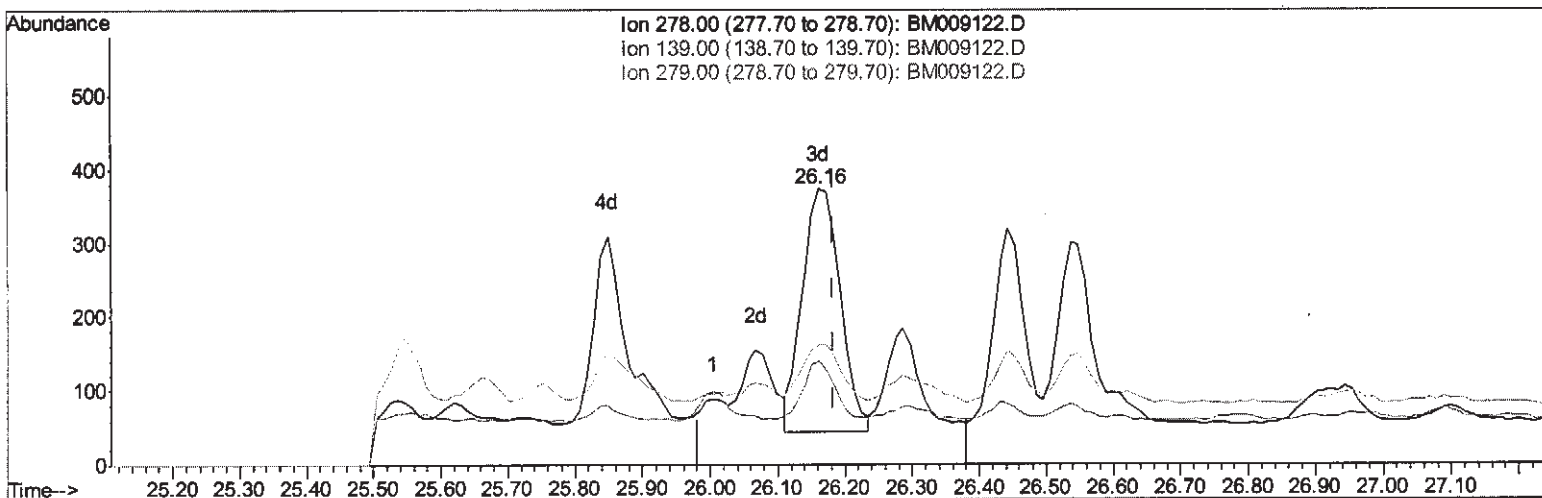
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
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Quant Time: Mar 09 02:49:51 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



(25) Dibenzo(a,h)anthracene

26.162min (-0.021) 0.33ng/ul m

response 1293

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	37.43#
279.00	32.40	43.32#
0.00	0.00	0.00

SJ
03/16/17

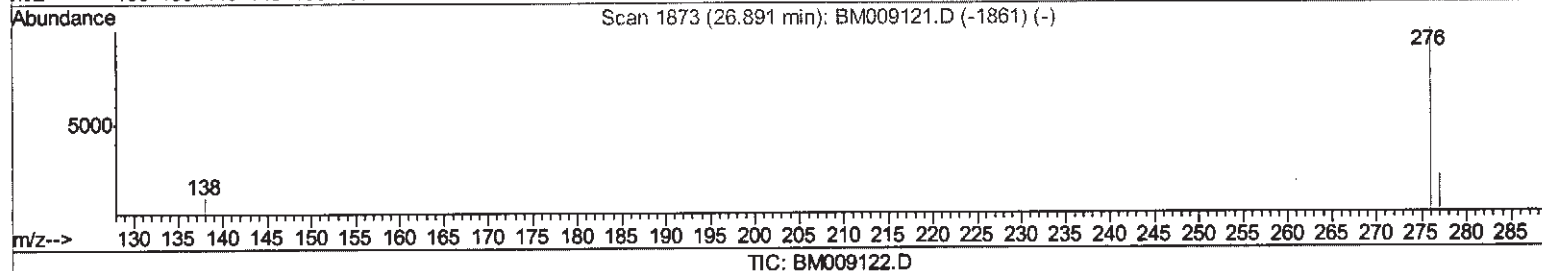
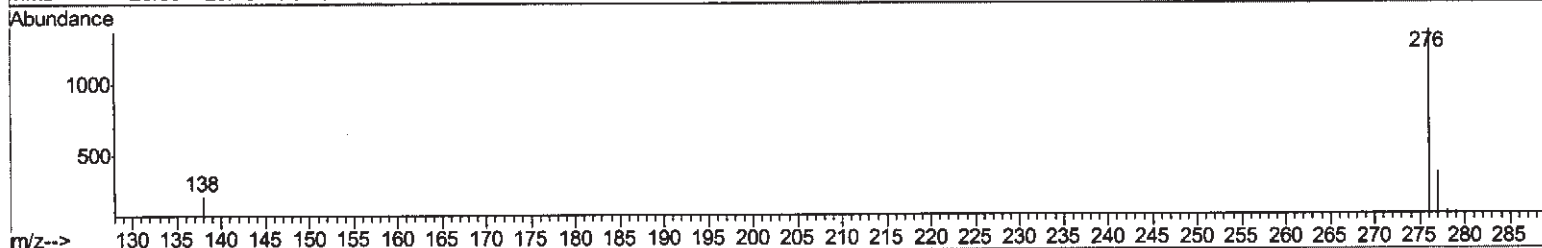
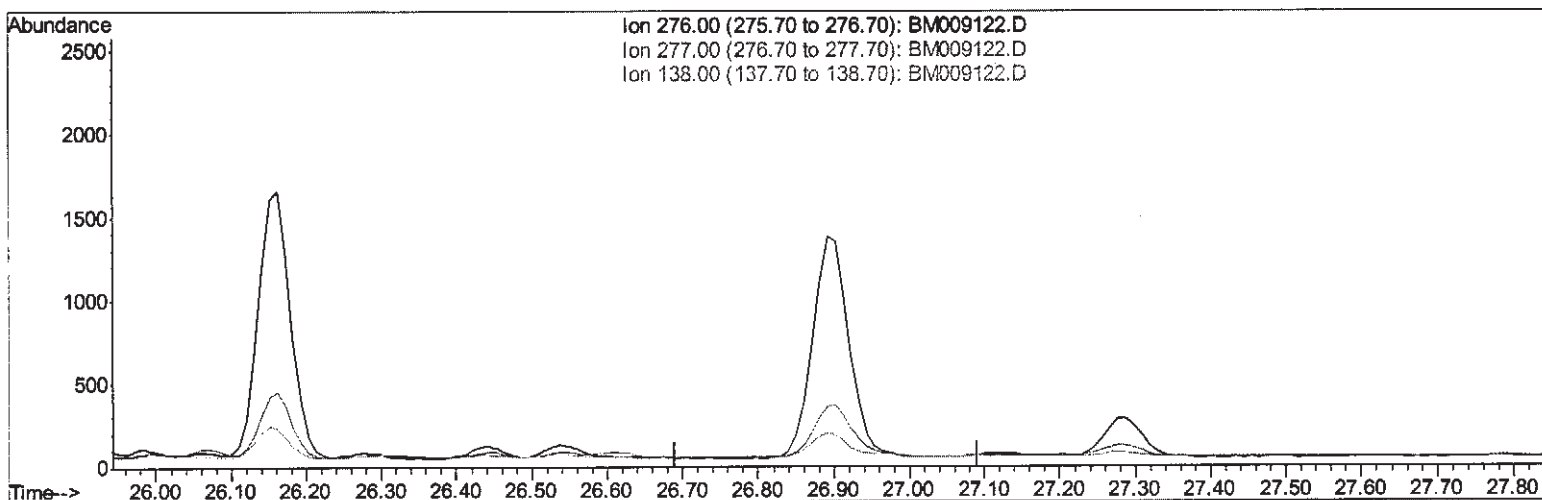
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
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3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 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

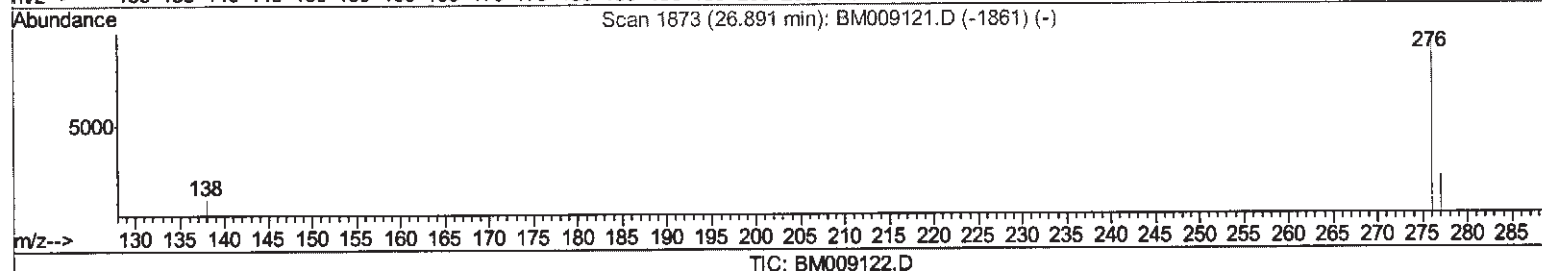
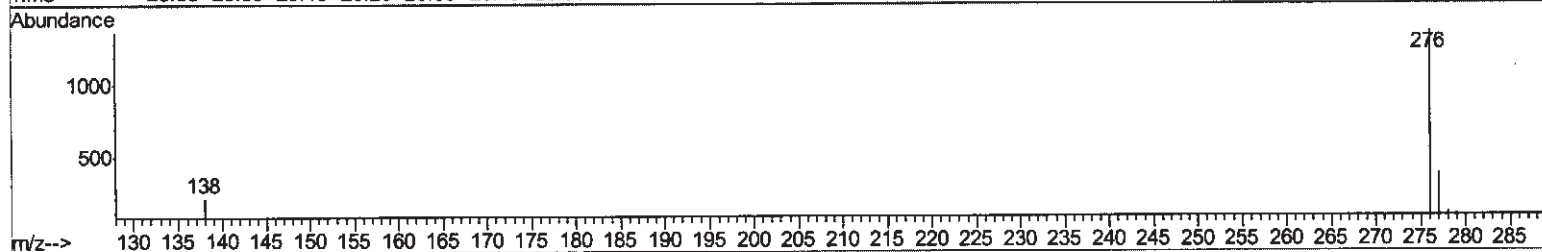
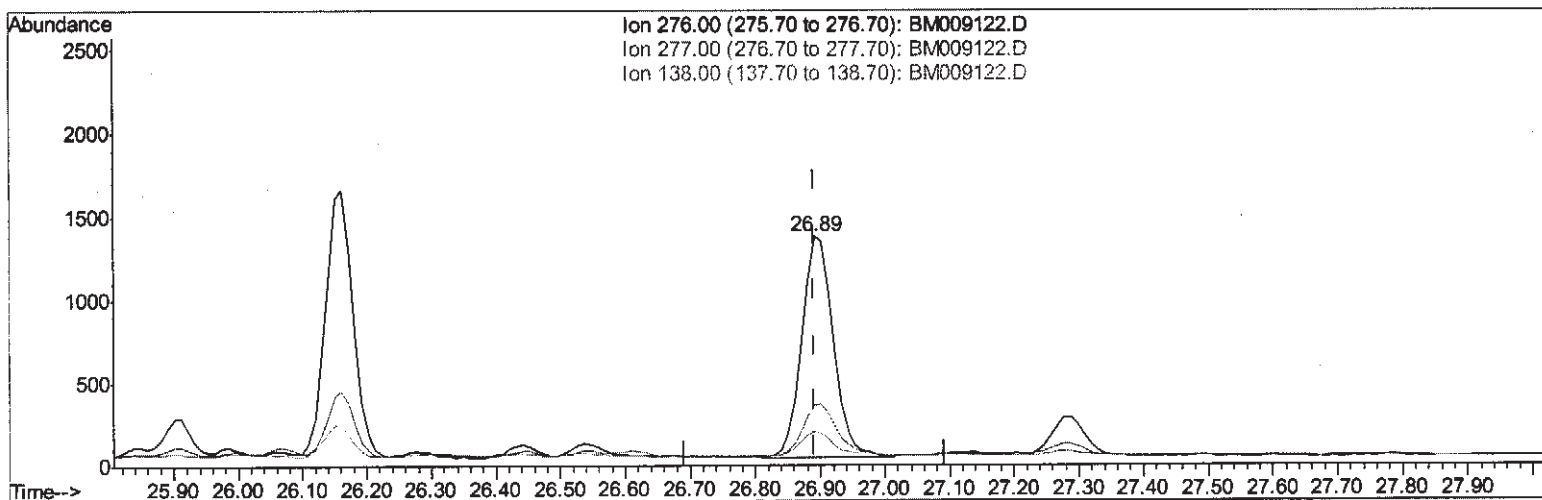
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009122.D
Acq On : 08 Mar 2017 22:53
Operator : SJ/MA
Sample : I2062-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK3

Manual Integrations
APPROVED

mohammad
3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:49:51 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: BM009122.D

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

26.891min (+0.000) 1.11ng/ul m

response 4503

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	26.17
138.00	25.60	14.82#
0.00	0.00	0.00

> SJ
03/16/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009122.D
 Acq On : 08 Mar 2017 22:53
 Operator : SJ/MA
 Sample : I2062-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK3

Manual Integrations
 APPROVED

mohammad
 3/9/2017 2:01:39 PM

Quant Time: Mar 09 02:51:44 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	217	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	658	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	392	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1026m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1124	0.40	ng/ul	-0.01
20) Perylene-d12	23.78	264	1054m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	240	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	733	0.23	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	261	0.14	ng/ul#	56
5) 2-Methylnaphthalene	12.34	142	222	0.16	ng/ul	100
7) Acenaphthylene	14.25	152	202	0.10	ng/ul#	40
12) Phenanthrene	17.31	178	1838m	0.57	ng/ul	
13) Anthracene	17.40	178	479	0.15	ng/ul#	81
15) Fluoranthene	19.33	202	6713	1.60	ng/ul	95
17) Pyrene	19.69	202	6495	1.68	ng/ul	98
18) Benzo(a)anthracene	21.43	228	5541	1.48	ng/ul	95
19) Chrysene	21.48	228	5774	1.63	ng/ul	97
21) Benzo(b)fluoranthene	23.07	252	9460m	2.28	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	3332m	0.91	ng/ul	
23) Benzo(a)pyrene	23.67	252	6663m	1.79	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.16	276	4886m	1.03	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	1293m	0.33	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	4503m	1.11	ng/ul	

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