

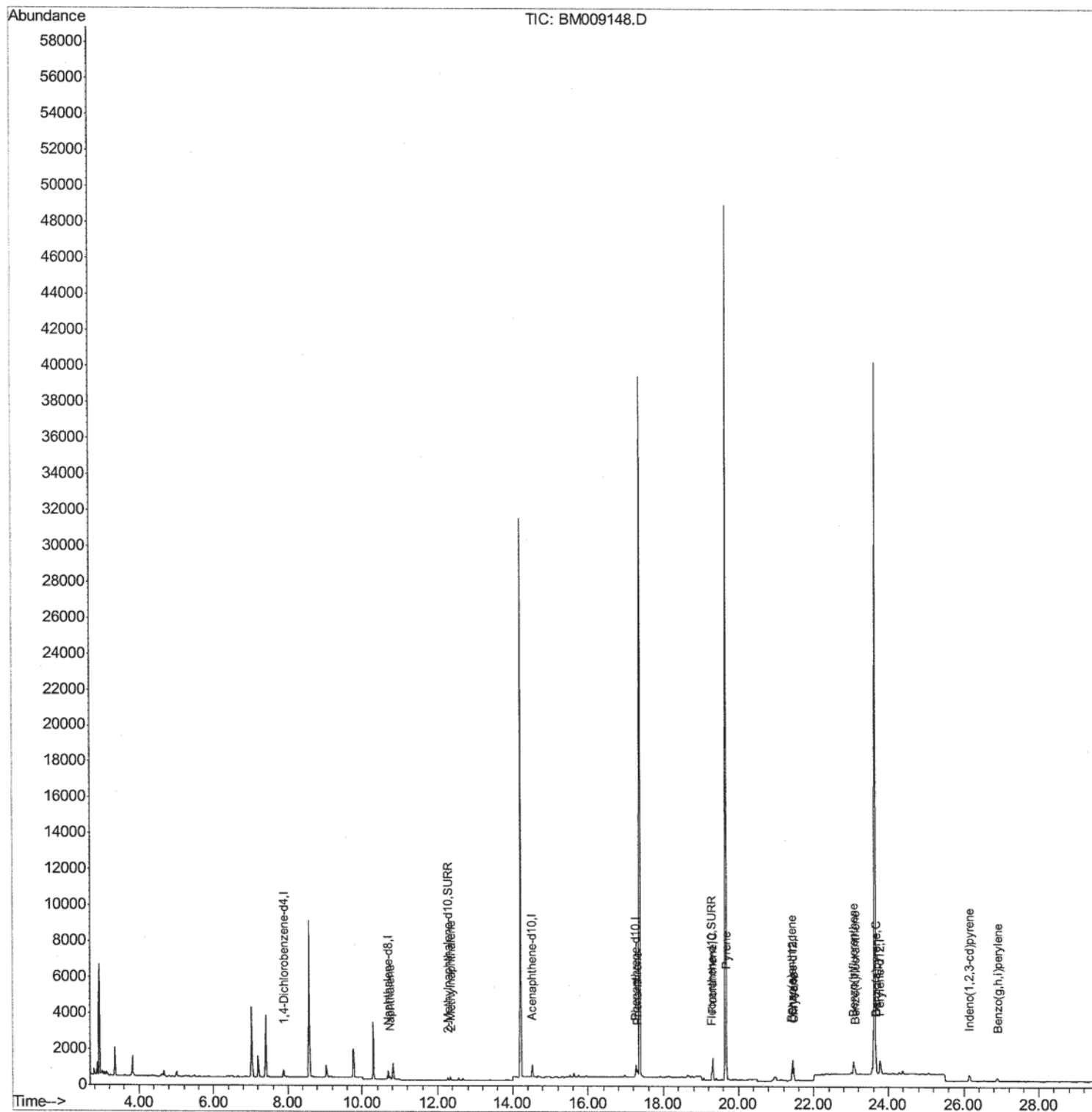
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Quant Time: Mar 09 17:31:45 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

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM



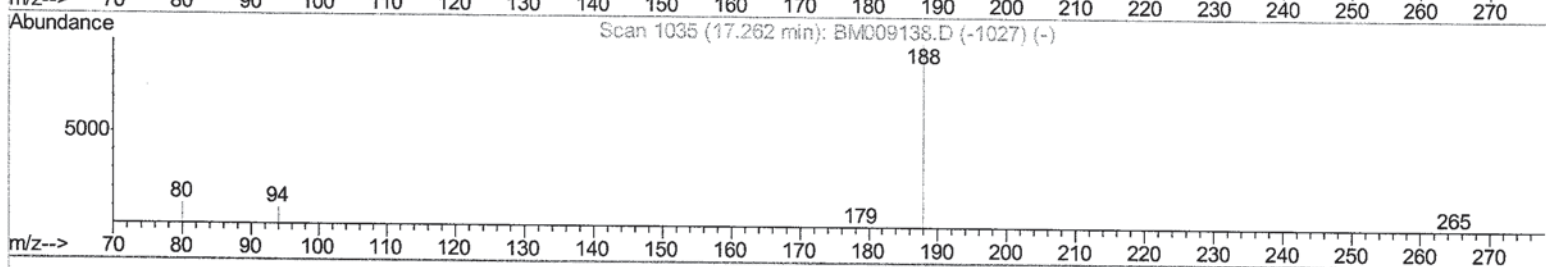
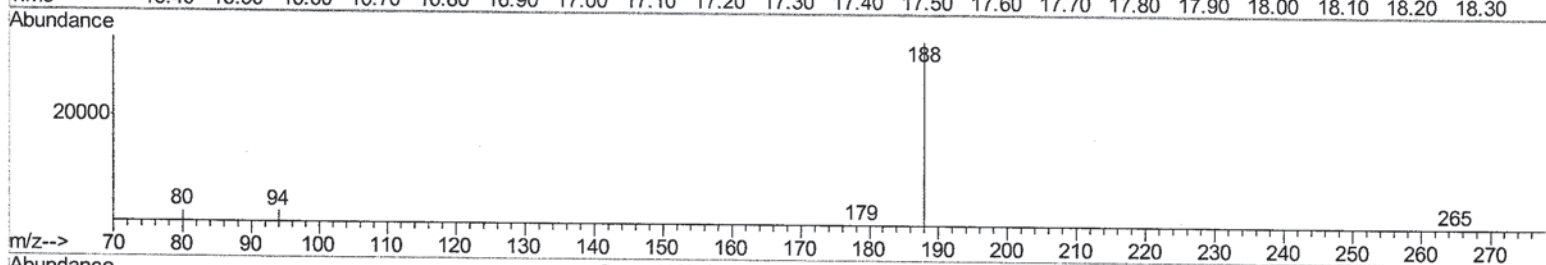
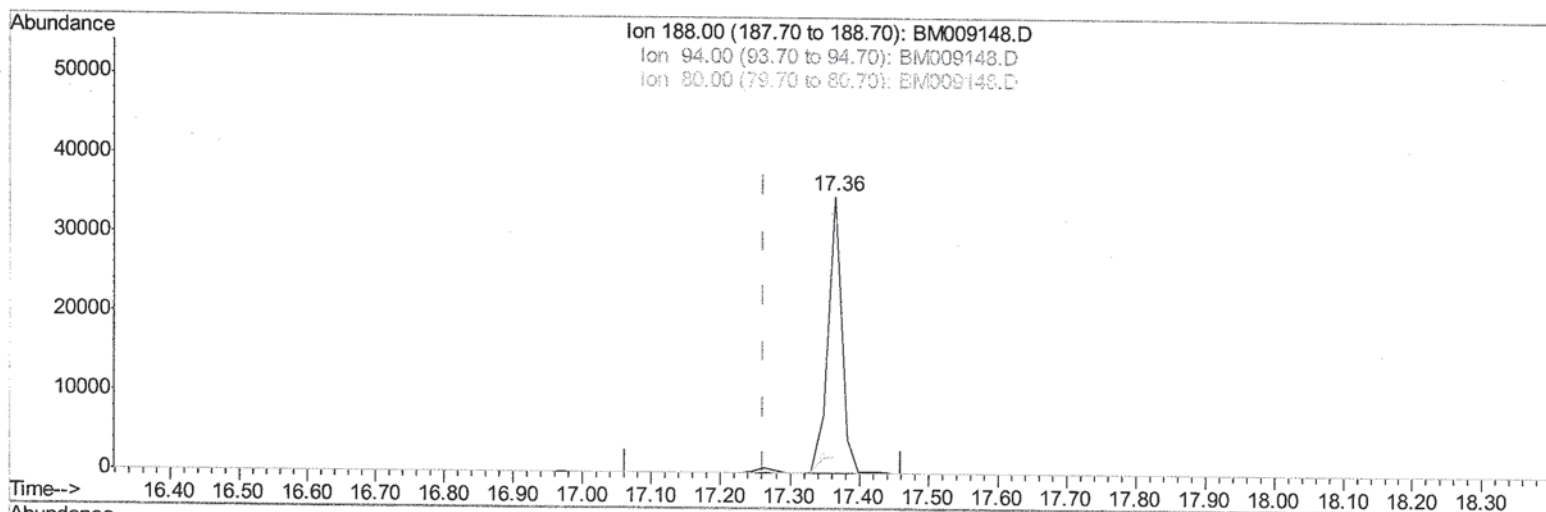
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:23:23 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: BM009148.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 47927

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.10#
80.00	11.80	5.87#
0.00	0.00	0.00

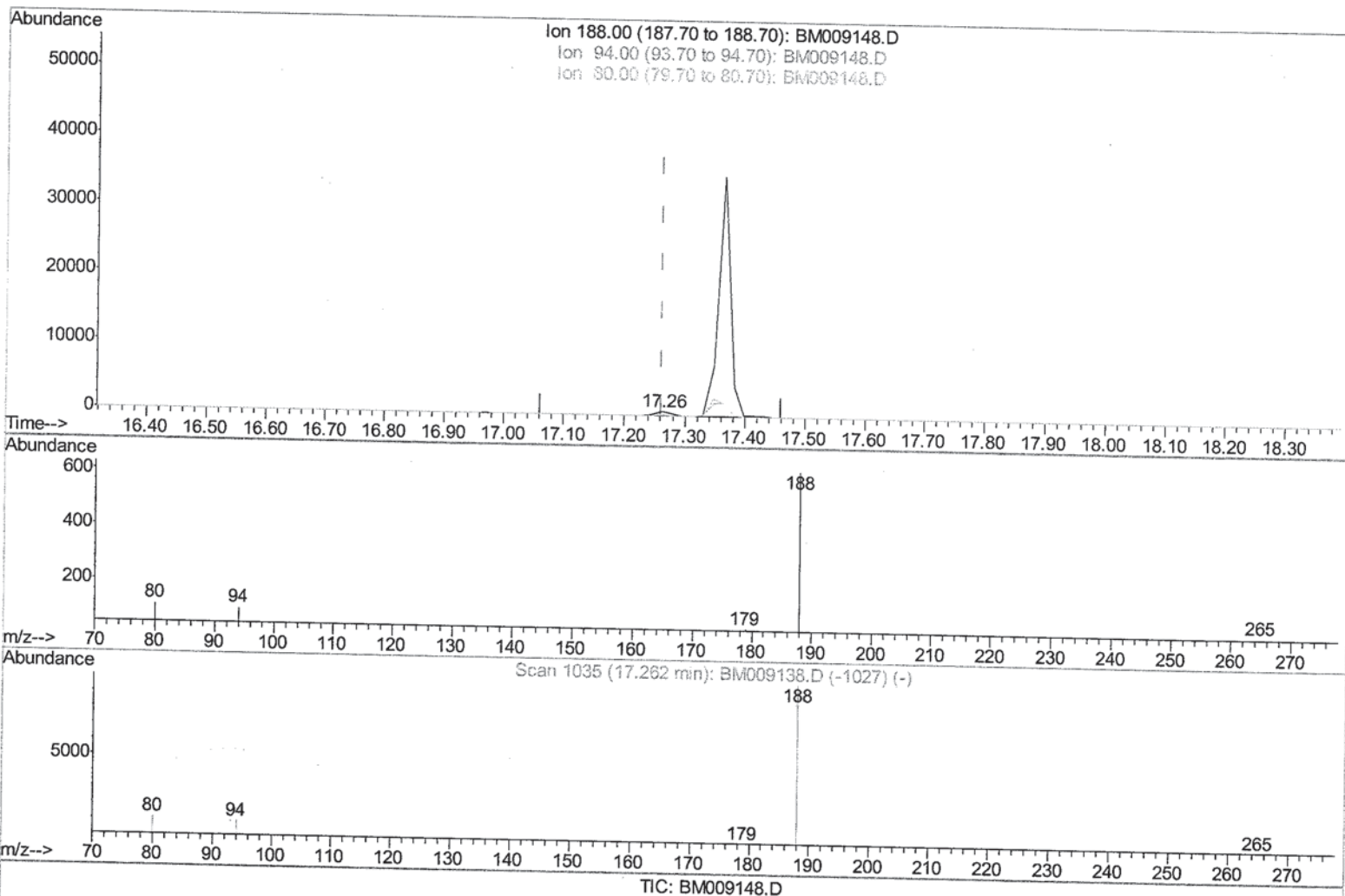
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:23:23 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



(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m

SJ 3/13/17

response 907

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	15.89#
80.00	11.80	17.98#
0.00	0.00	0.00

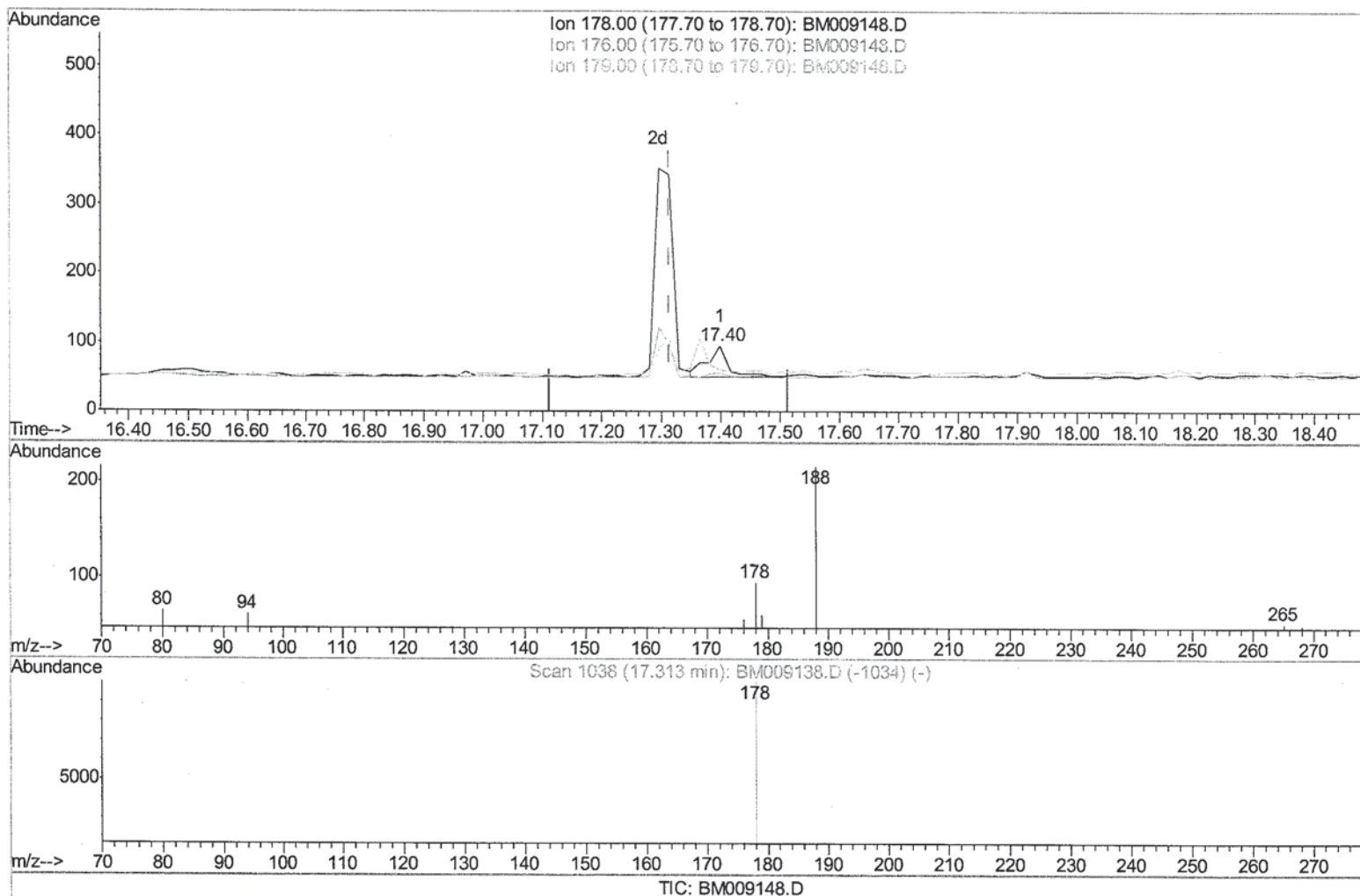
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:25:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



(12) Phenanthrene

17.399min (+0.086) 0.04ng/ul

response 107

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	58.95#
179.00	17.00	64.21#
0.00	0.00	0.00

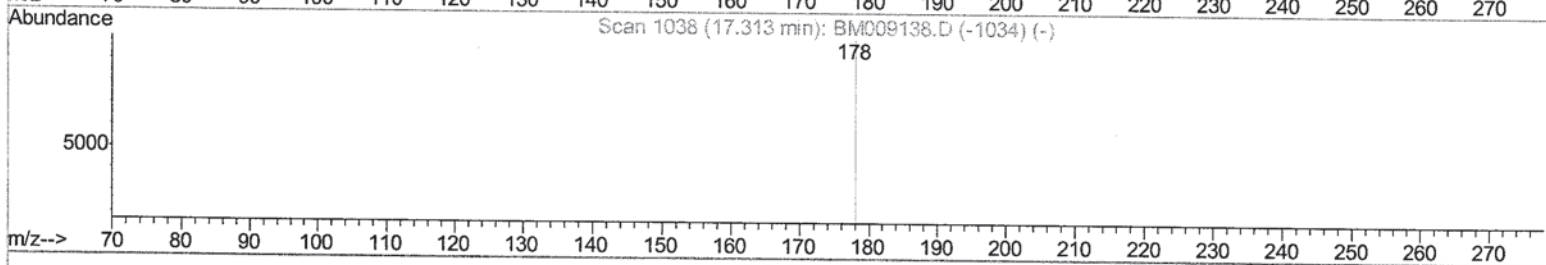
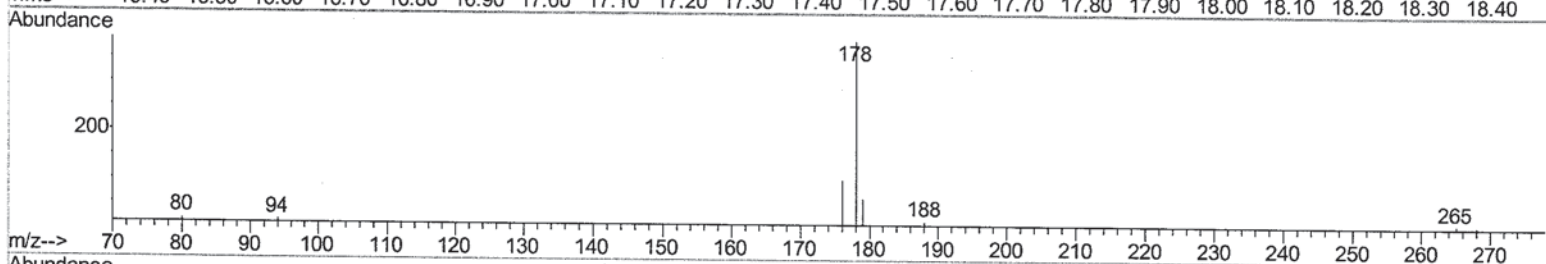
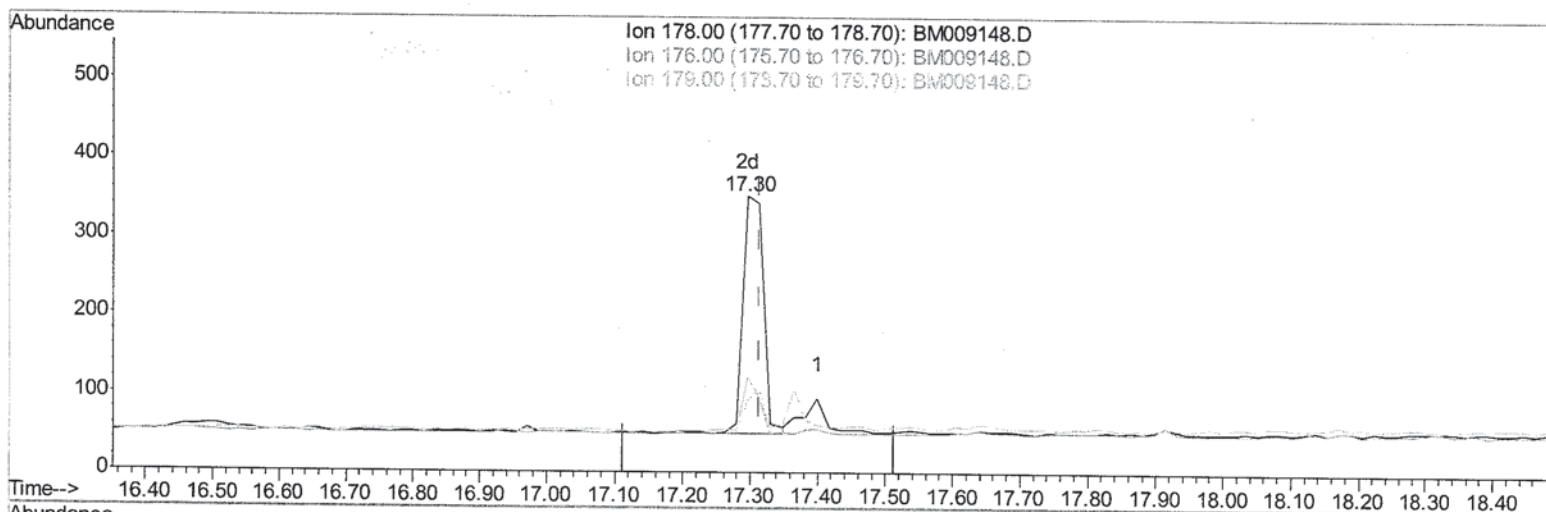
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:25:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009148.D

(12) Phenanthrene

17.296min (-0.017) 0.23ng/ul m

SJ 3/13/17

response 651

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	34.38#
179.00	17.00	25.85#
0.00	0.00	0.00

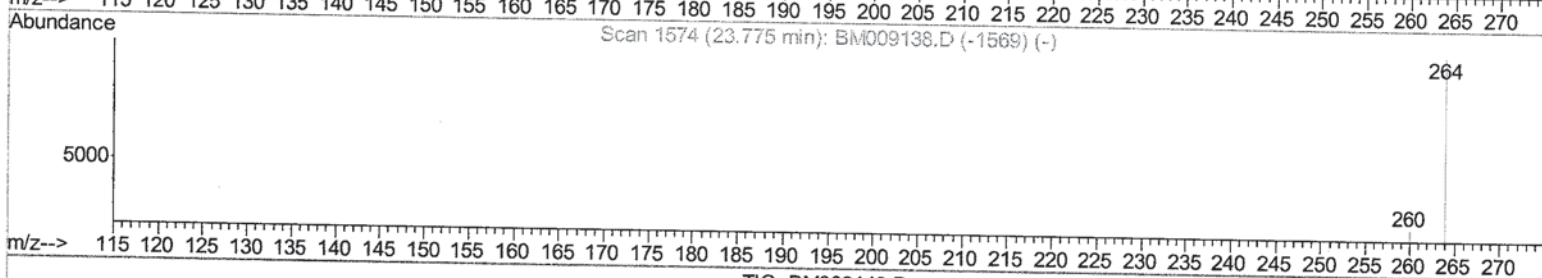
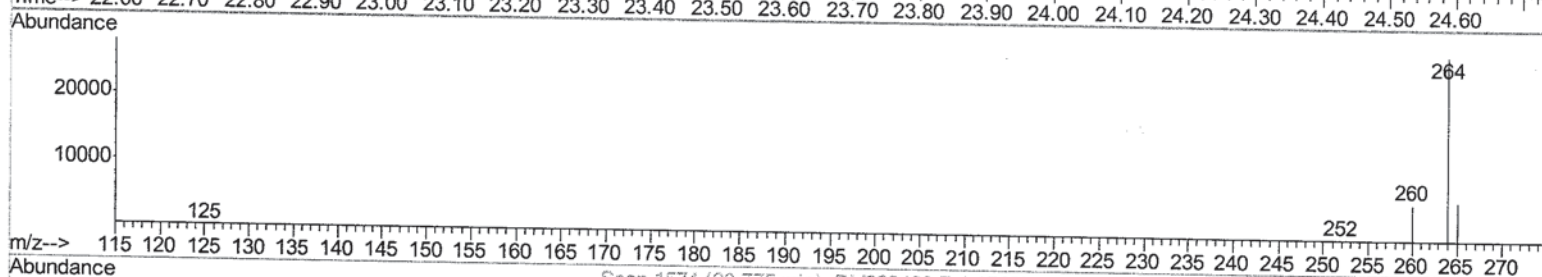
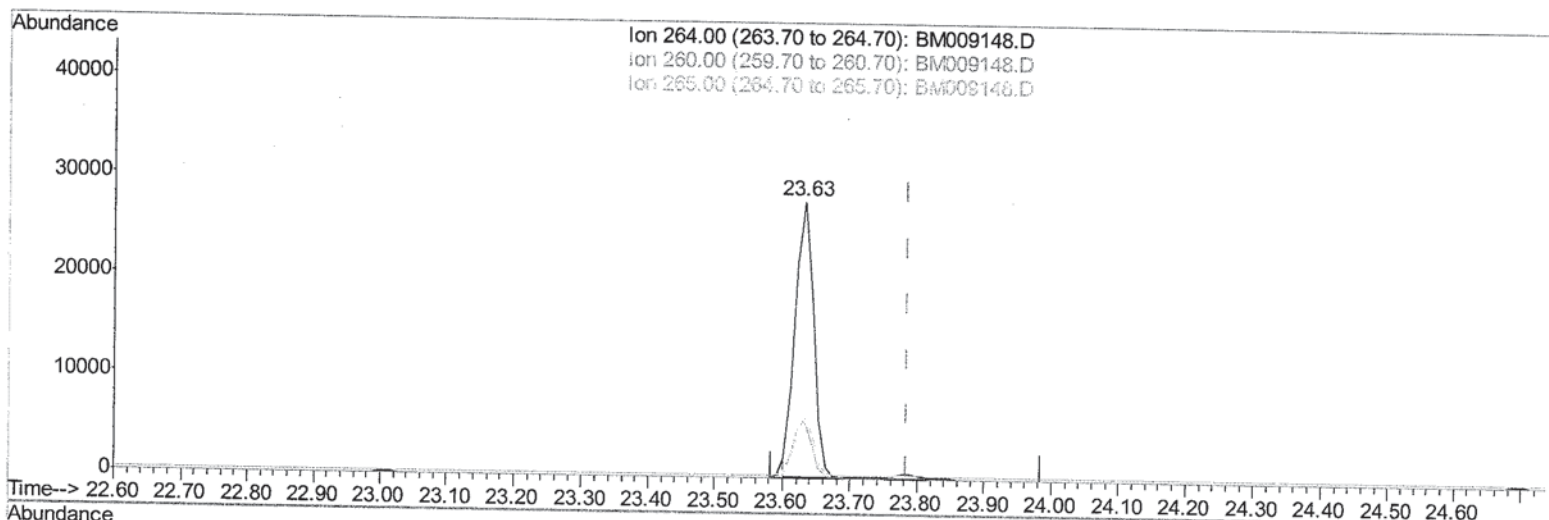
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:25:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009148.D

(20) Perylene-d12 (I)

23.632min (-0.153) 0.40ng/ul

response 52179

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.56#
265.00	103.50	21.96#
0.00	0.00	0.00

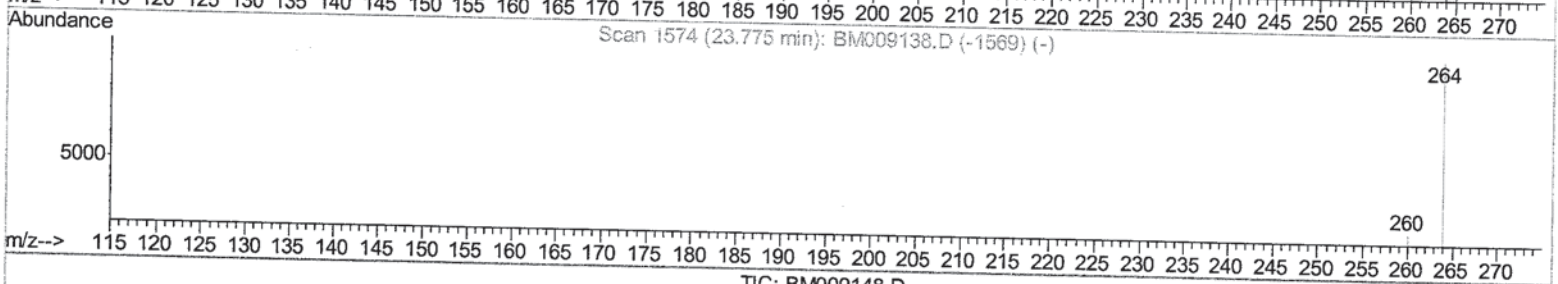
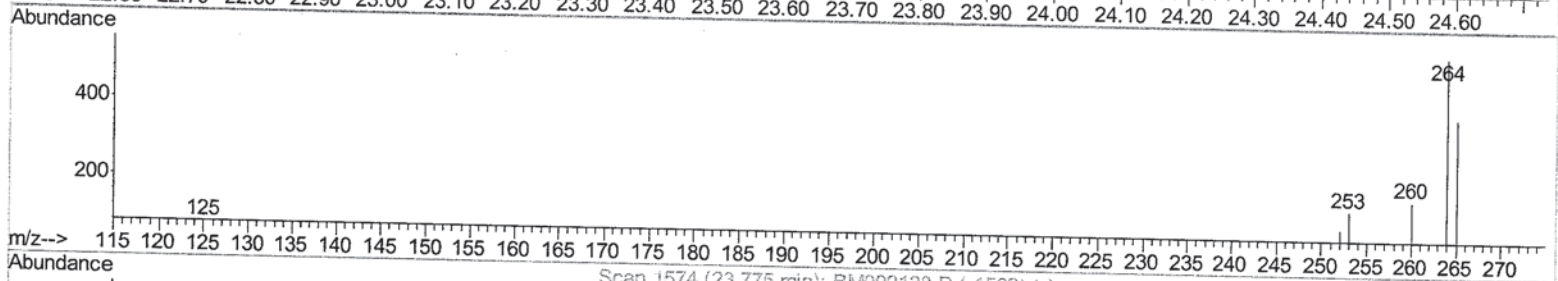
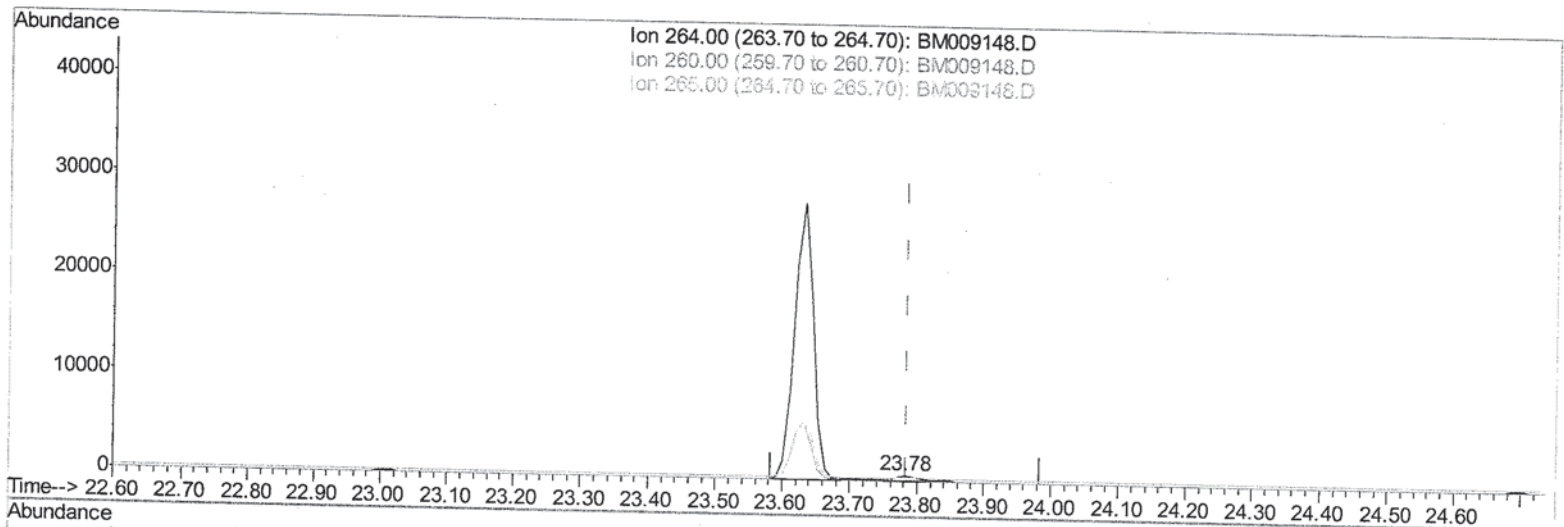
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:25:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 02:44:03 2017
Response via : Initial Calibration



TIC: BM009148.D

(20) Perylene-d12 (I)

23.778min (-0.007) 0.40ng/ul m 52 3/13/17

response 1087

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	33.03
265.00	103.50	71.63#
0.00	0.00	0.00

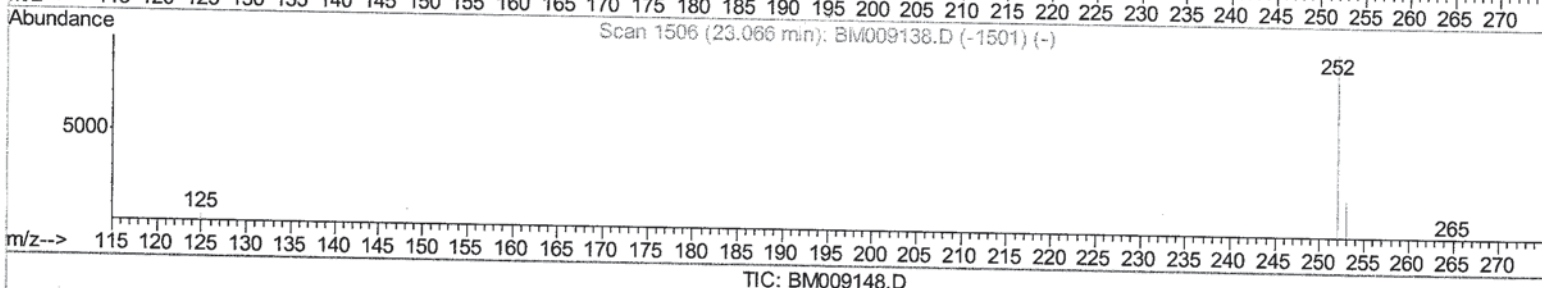
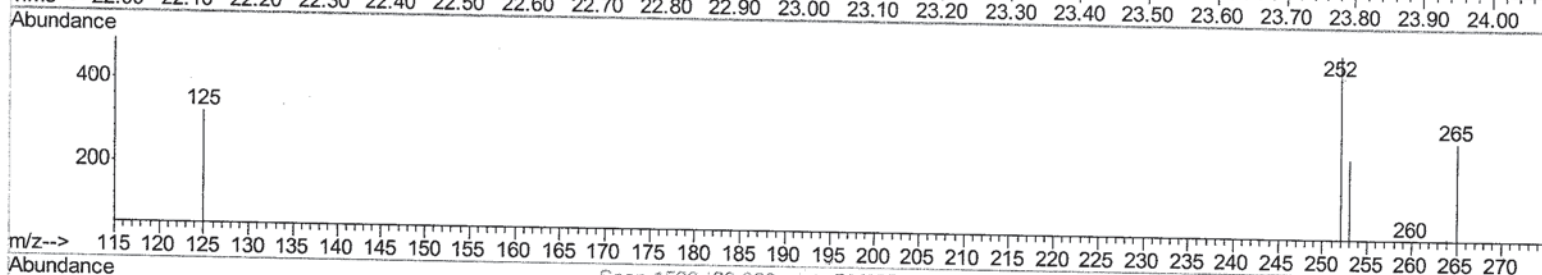
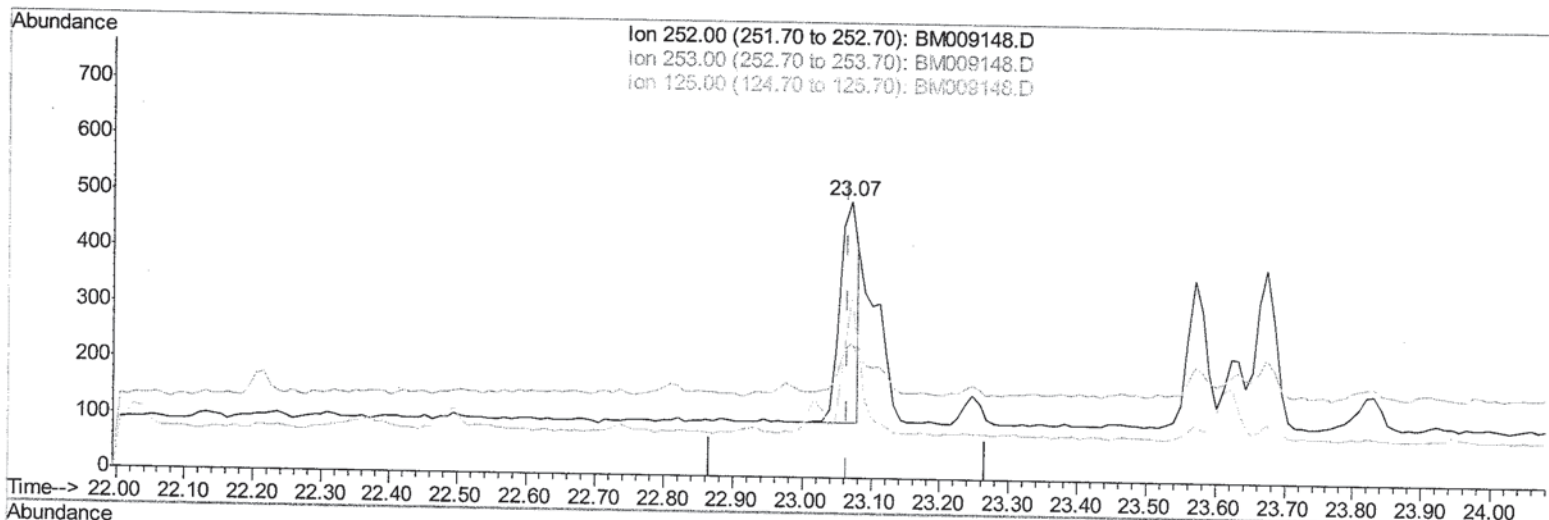
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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



(21) Benzo(b)fluoranthene

23.069min (+0.003) 0.18ng/ul

response 772

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	49.29
125.00	17.50	64.65#
0.00	0.00	0.00

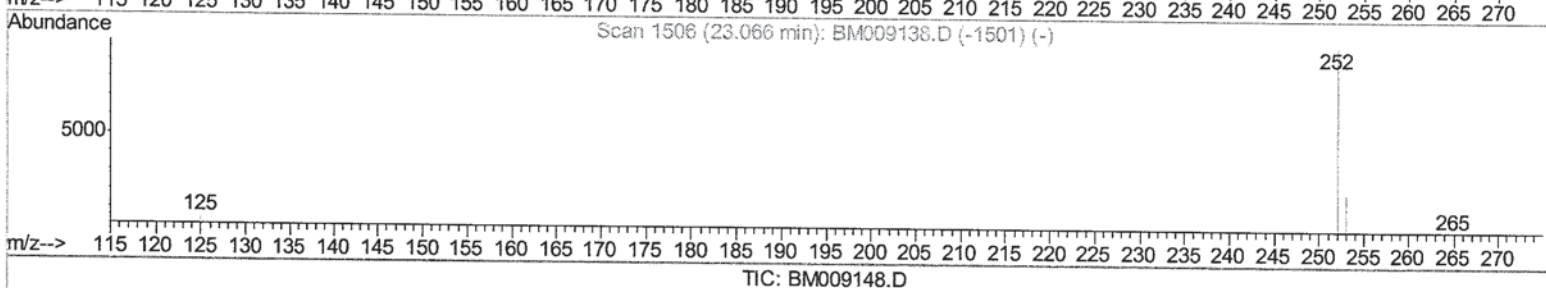
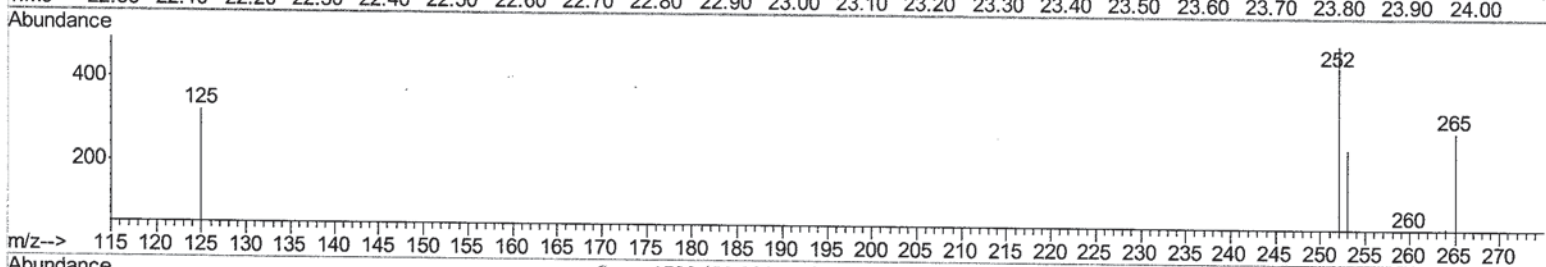
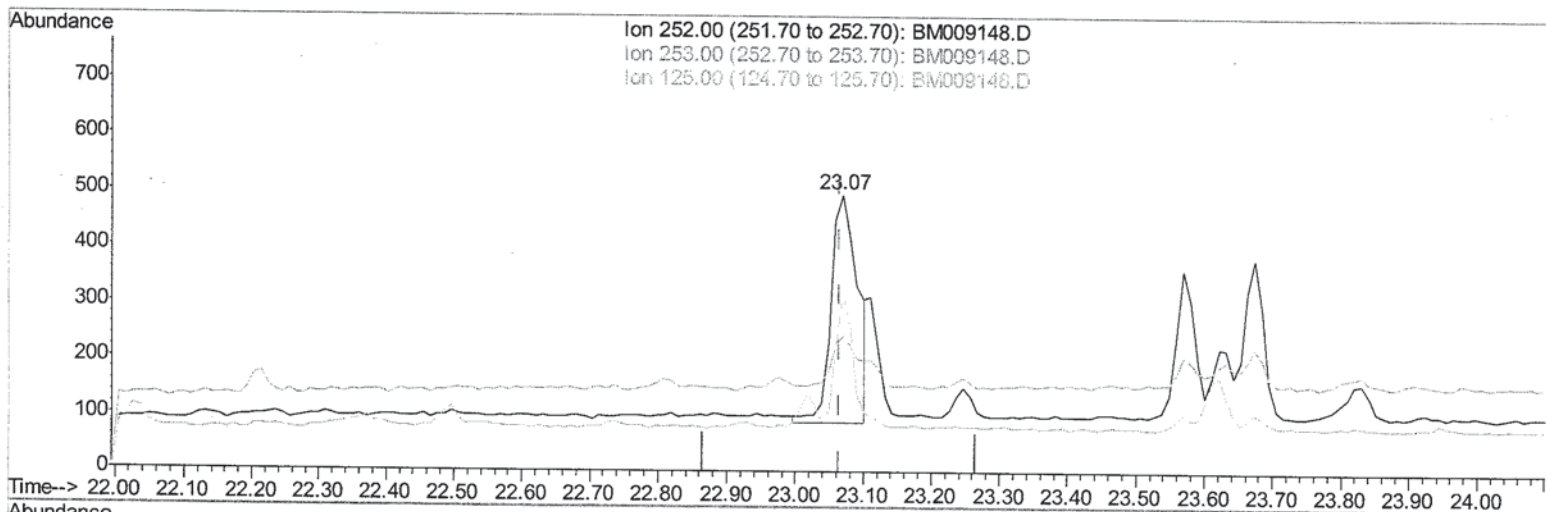
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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: BM009148.D

(21) Benzo(b)fluoranthene

23.069min (+0.003) 0.26ng/ul m

SJ 3/10/17

response 1120

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	49.29
125.00	17.50	64.65#
0.00	0.00	0.00

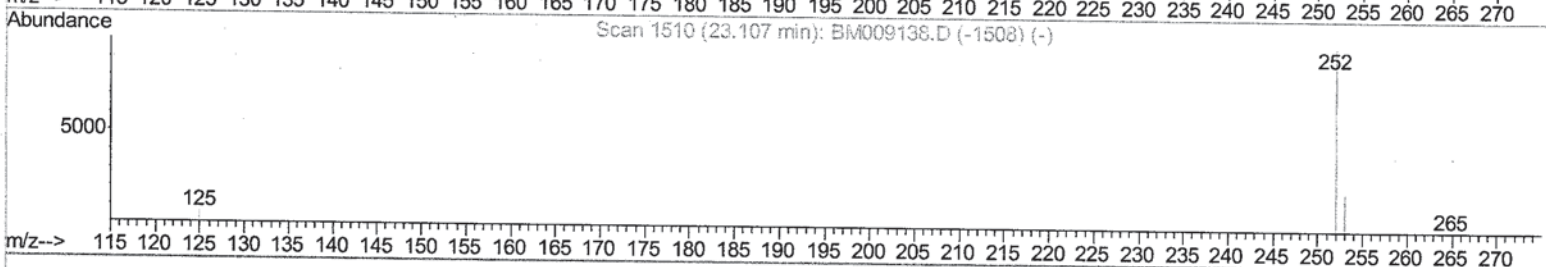
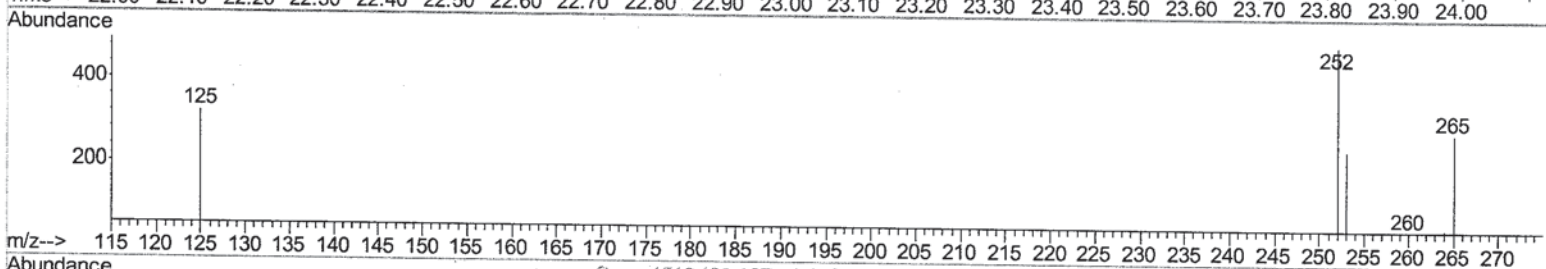
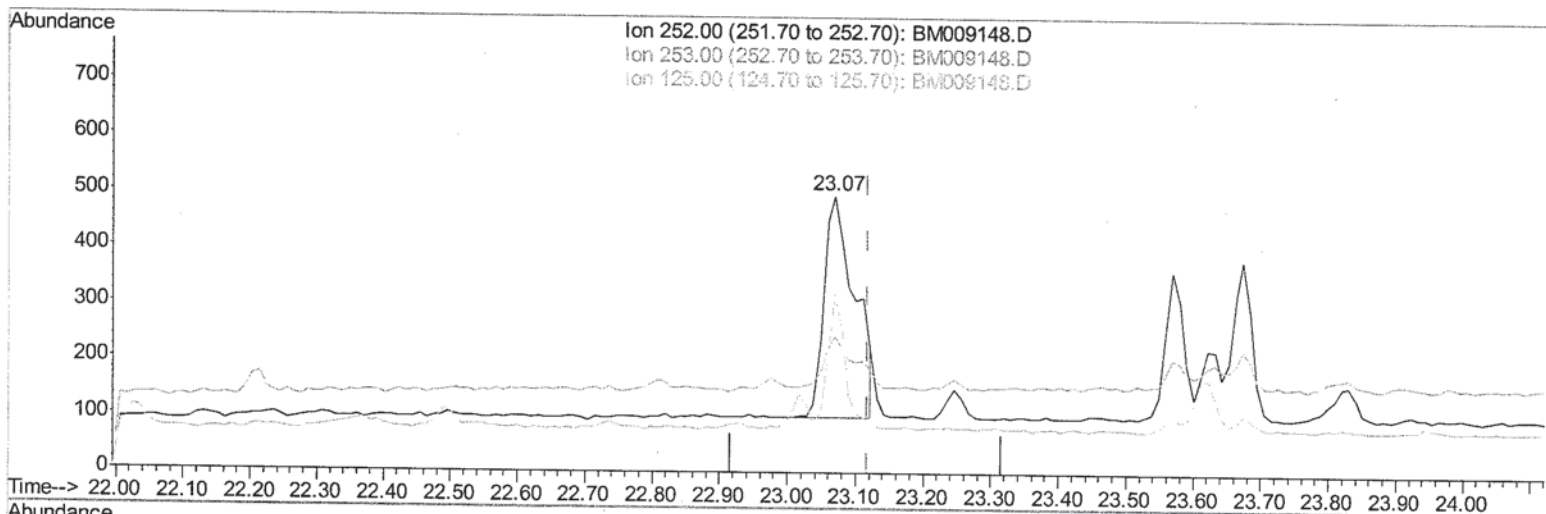
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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: BM009148.D

(22) Benzo(k)fluoranthene

23.069min (-0.049) 0.33ng/ul

response 1263

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	49.29#
125.00	17.10	64.65#
0.00	0.00	0.00

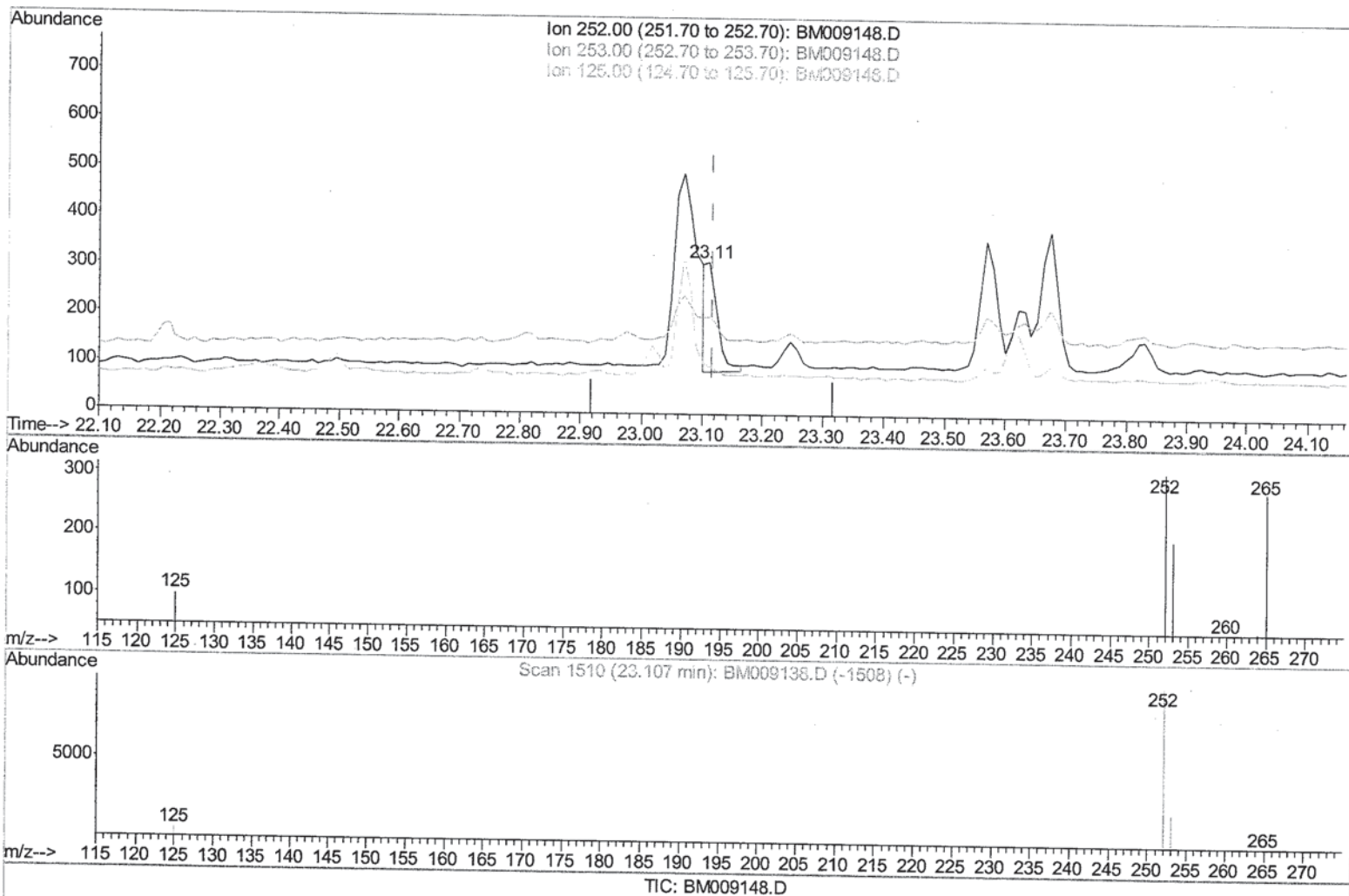
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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



(22) Benzo(k)fluoranthene

23.111min (-0.007) 0.07ng/ul m

SJ 3/13/17

response 280

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	64.42#
125.00	17.10	31.73#
0.00	0.00	0.00

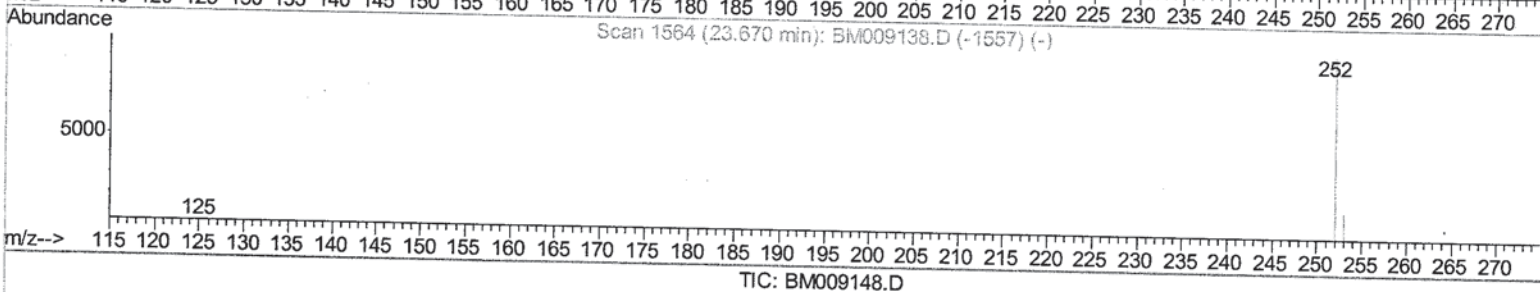
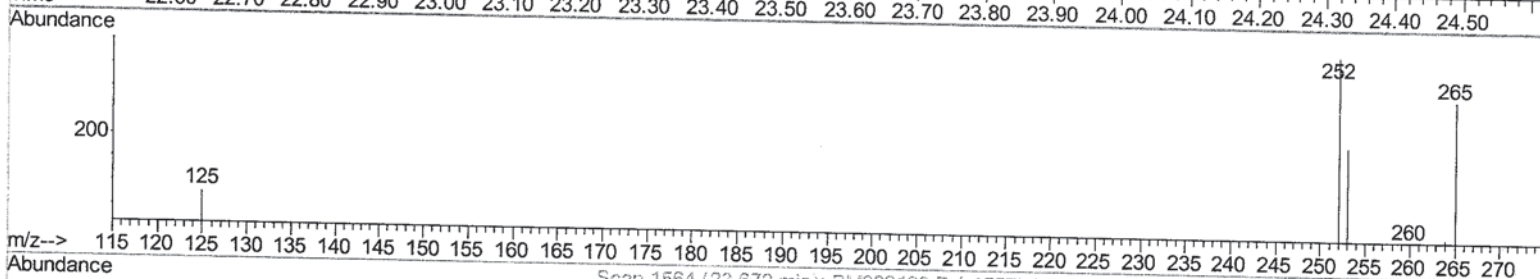
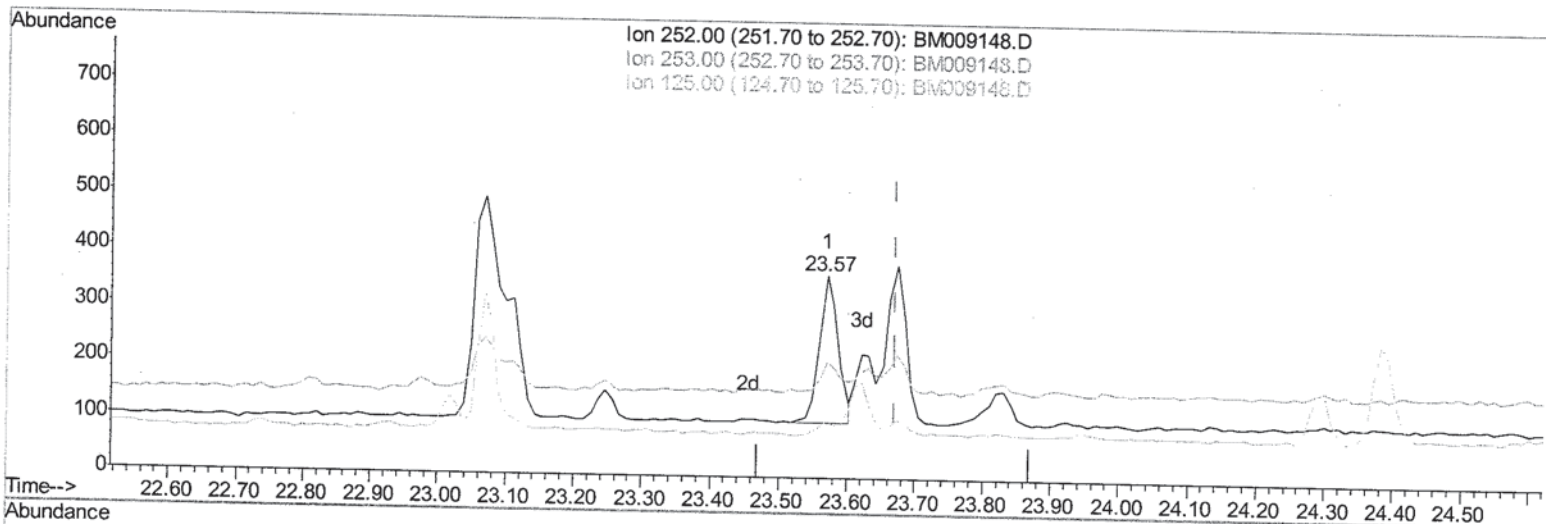
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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



(23) Benzo(a)pyrene (C)

23.569min (-0.101) 0.13ng/ul

response 510

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	57.46#
125.00	22.60	28.45#
0.00	0.00	0.00

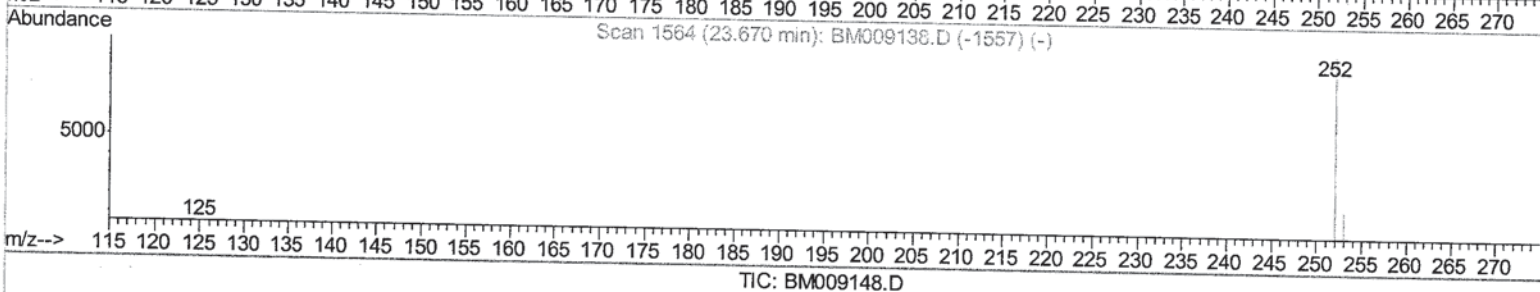
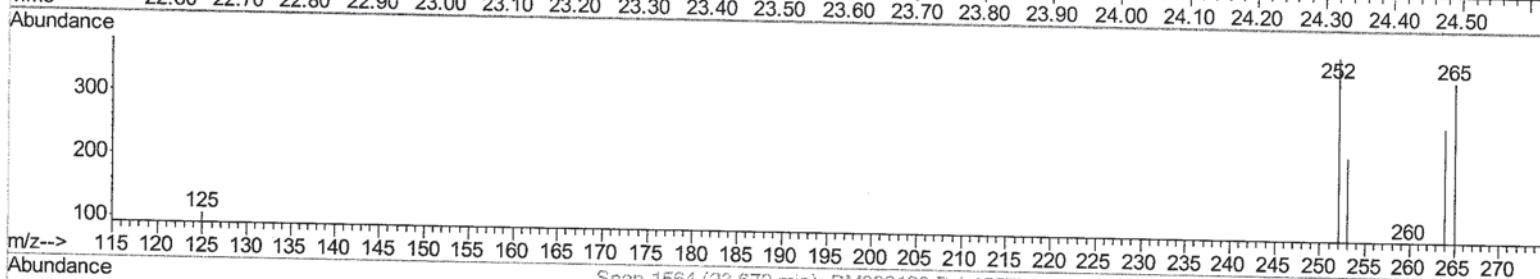
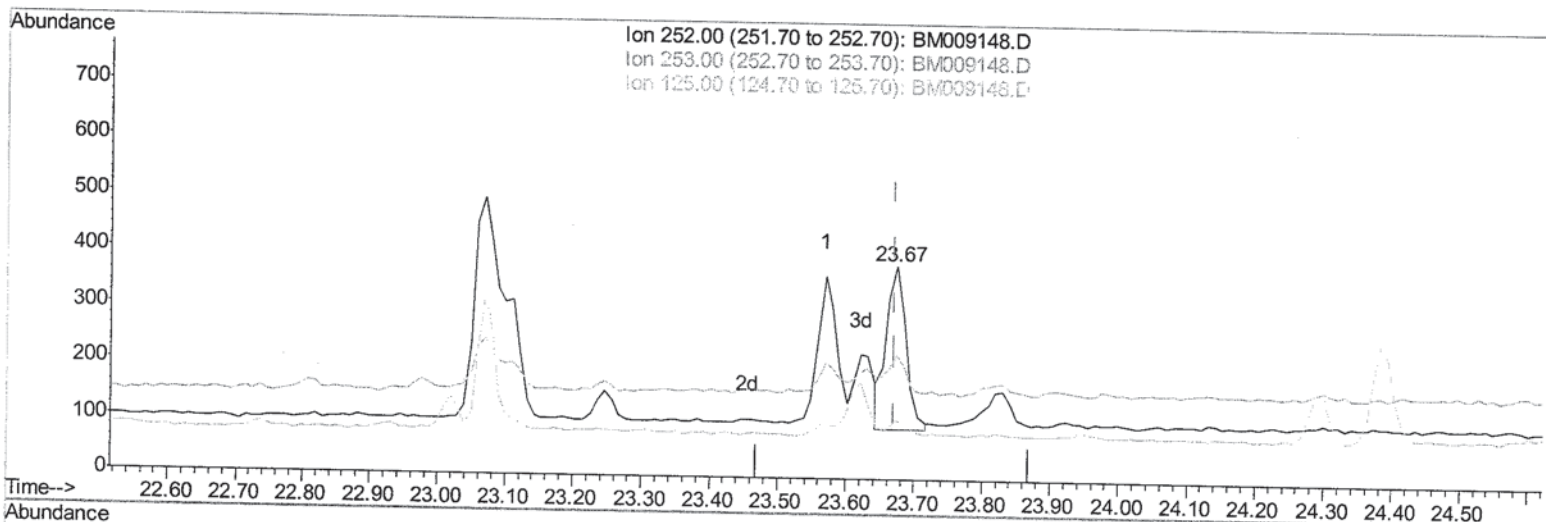
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

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3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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



(23) Benzo(a)pyrene (C)

23.674min (+0.003) 0.15ng/ul m

SJ 3/13/17

response 583

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	58.38#
125.00	22.60	27.49#
0.00	0.00	0.00

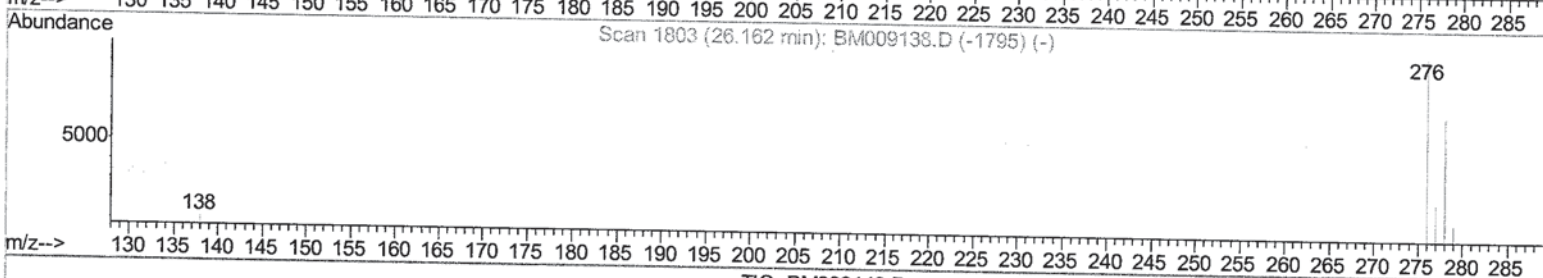
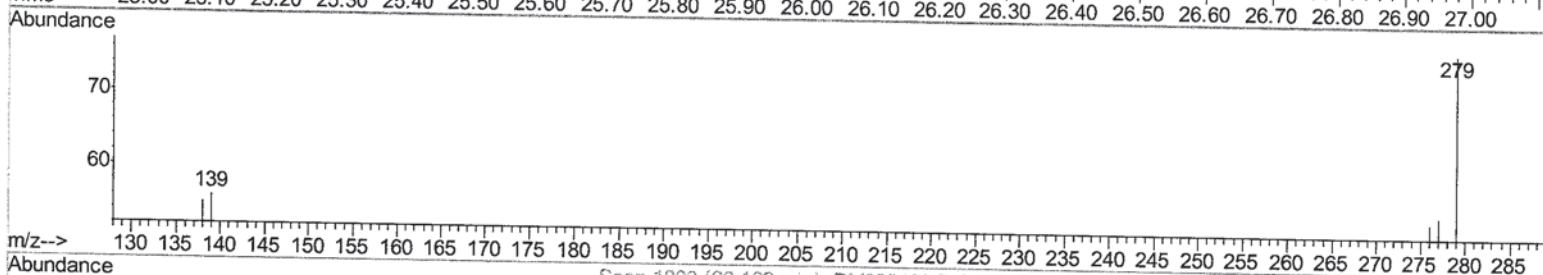
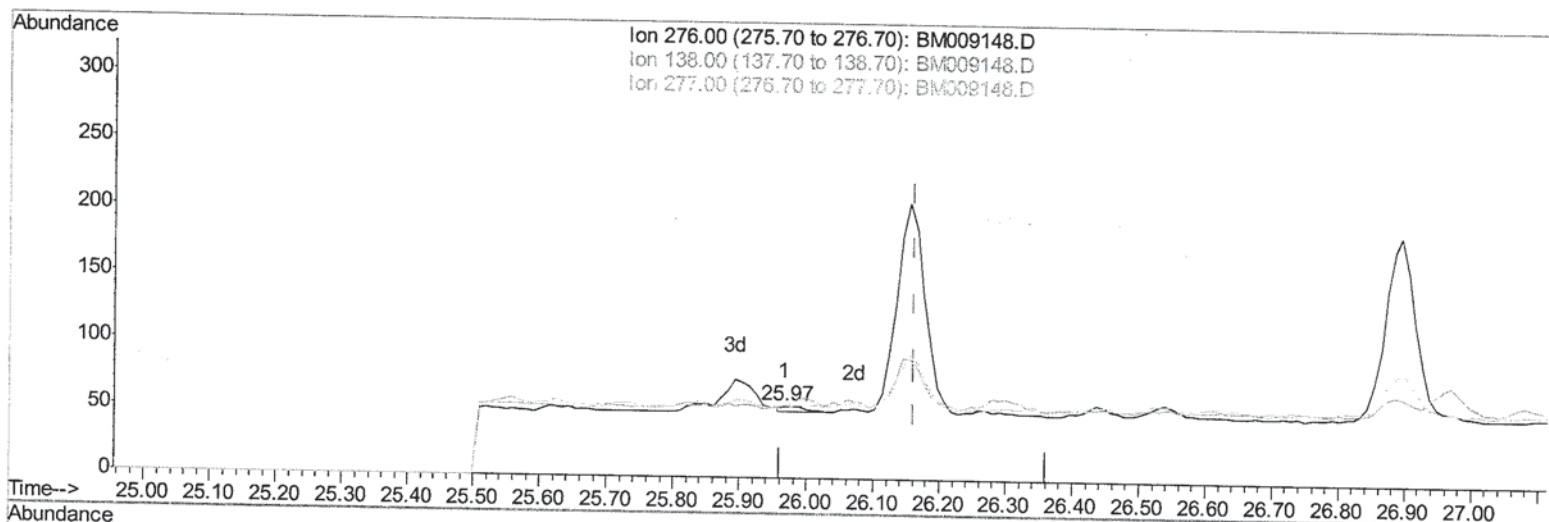
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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: BM009148.D

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

25.967min (-0.195) 0.00ng/ul

response 10

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	30.00#
0.00	0.00	0.00

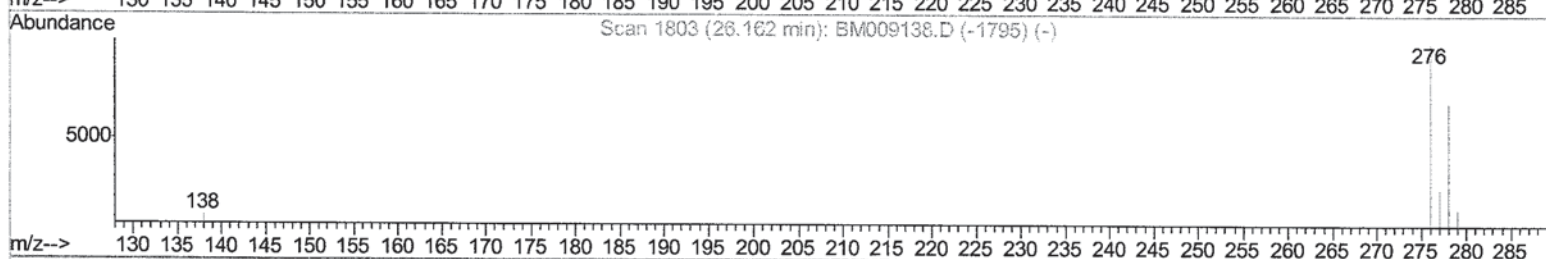
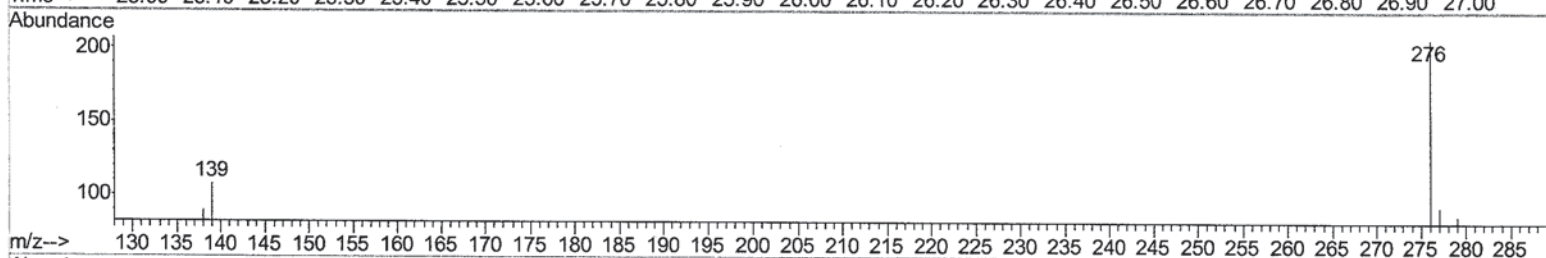
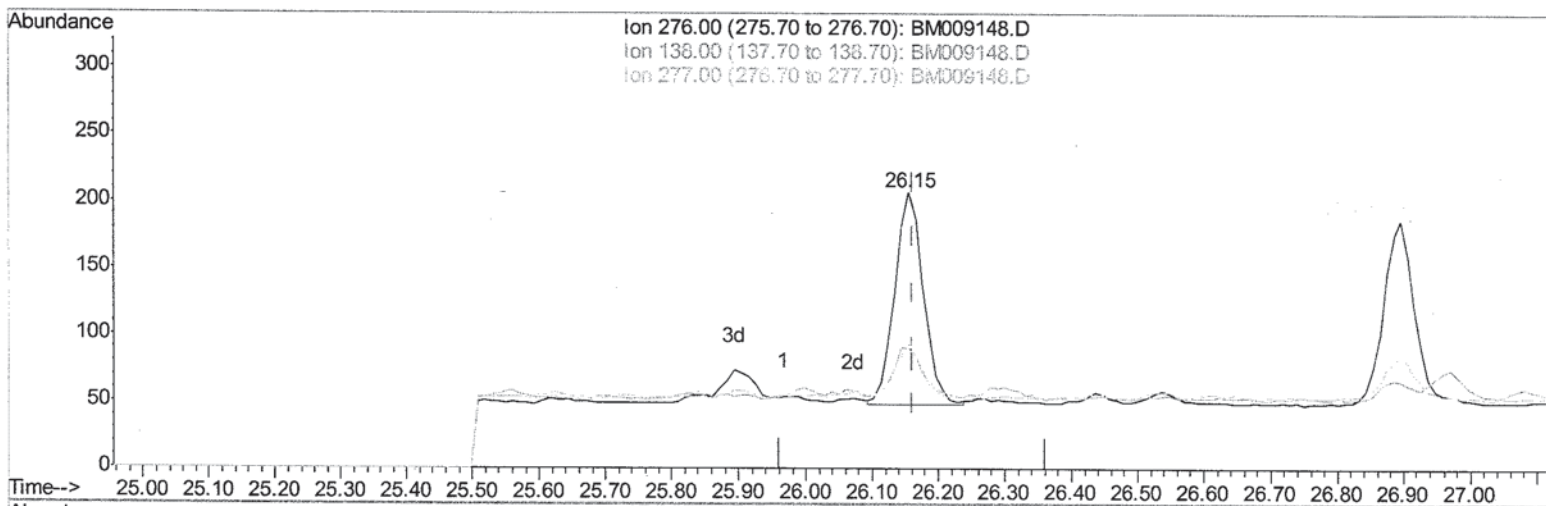
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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: BM009148.D

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

26.155min (-0.007) 0.10ng/ul m

SJ 3/13/17

response 475

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.63#
0.00	0.00	0.00

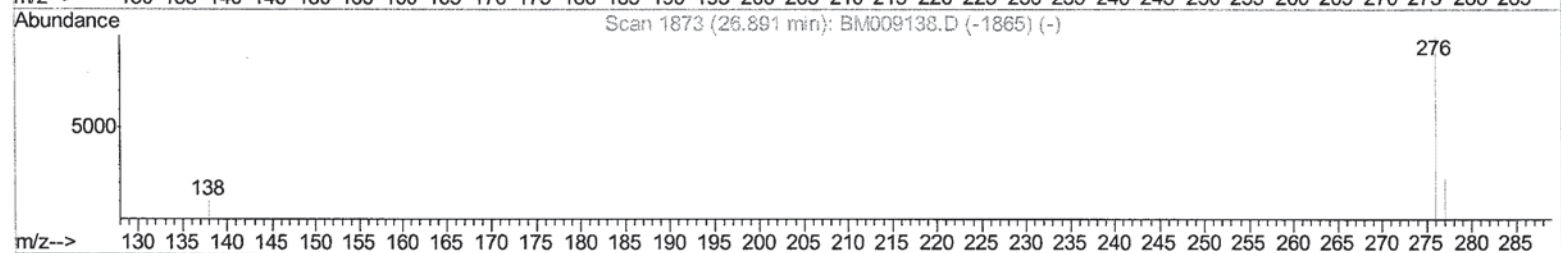
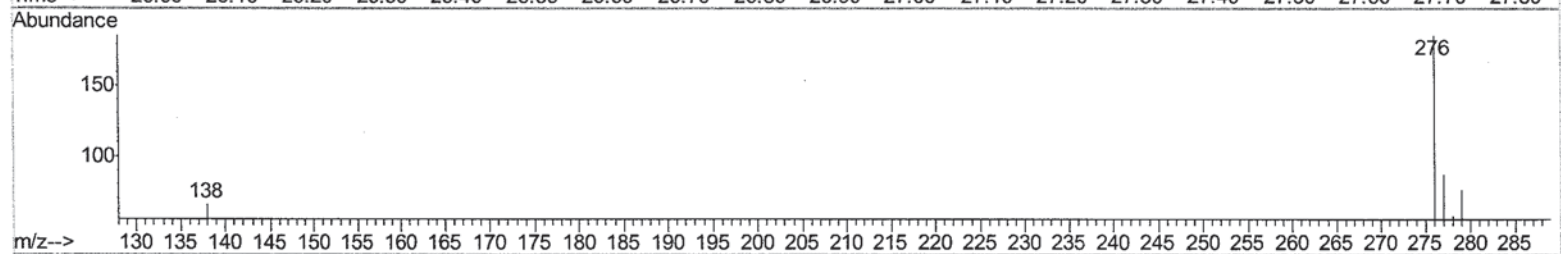
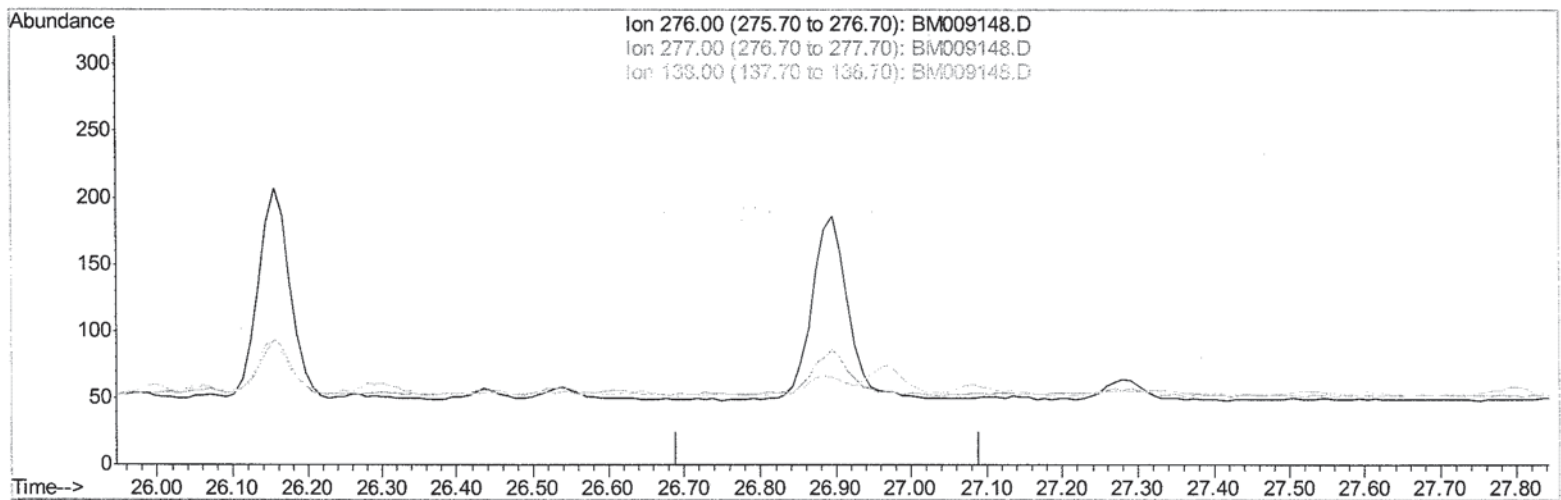
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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: BM009148.D

(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

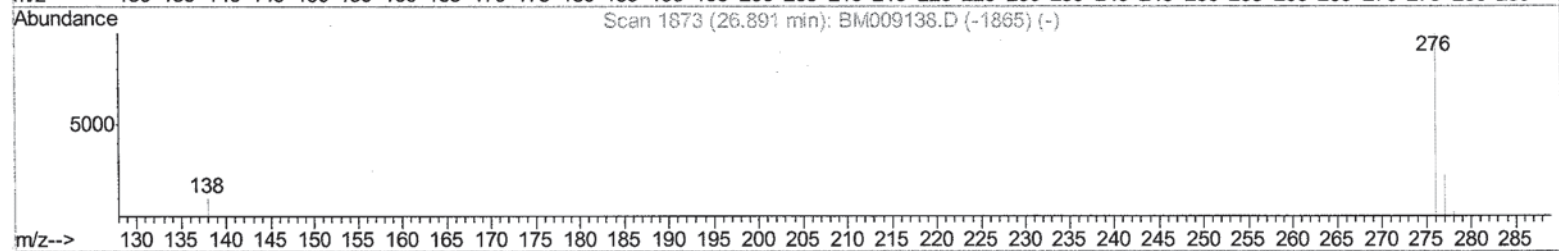
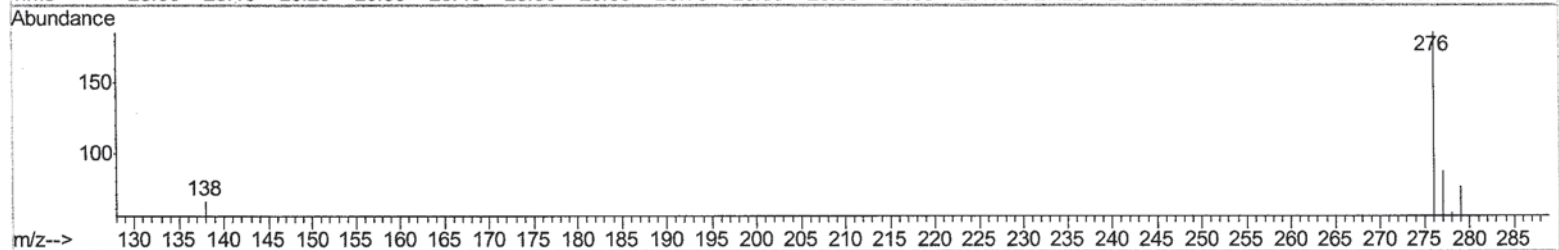
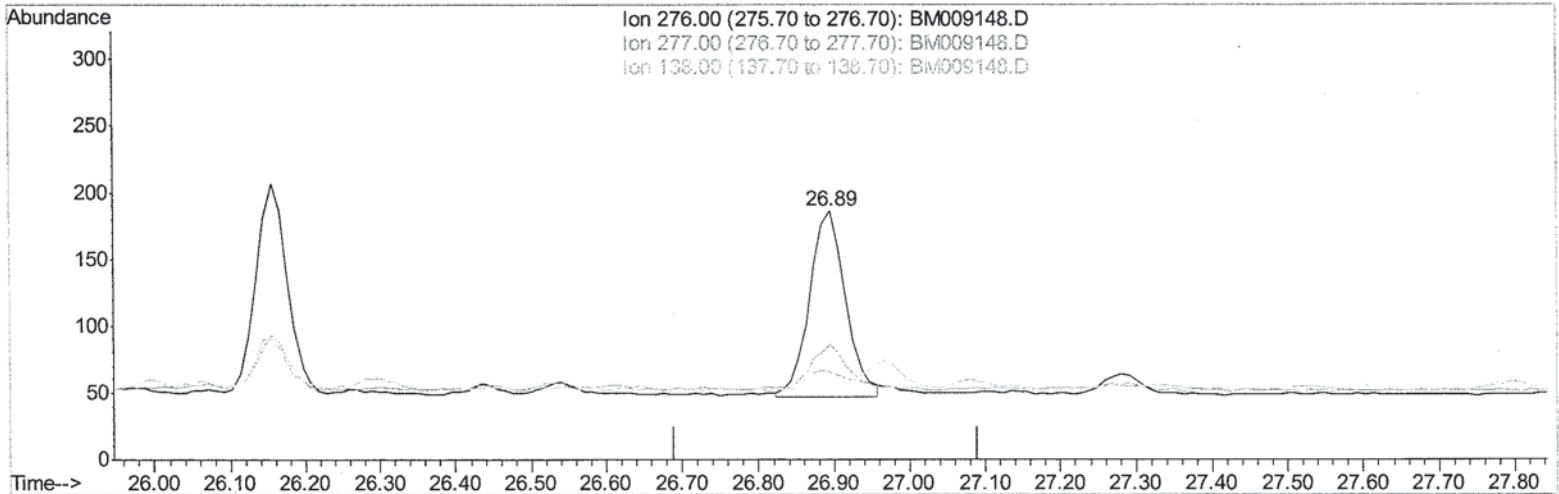
Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
Data File : BM009148.D
Acq On : 09 Mar 2017 16:45
Operator : SJ/MA
Sample : I2069-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA0

Manual Integrations
APPROVED

mohammad
3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:26:25 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: BM009148.D

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

26.895min (+0.003) 0.11ng/ul m 57 3/13/17

response 461

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	46.77#
138.00	25.60	35.48#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030917\
 Data File : BM009148.D
 Acq On : 09 Mar 2017 16:45
 Operator : SJ/MA
 Sample : I2069-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA0

Manual Integrations
 APPROVED

mohammad
 3/10/2017 6:01:09 PM

Quant Time: Mar 09 17:31:45 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	204	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	652	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	907m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	986	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1087m	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	226	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	620	0.22	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	215	0.11	ng/ul#	53
5) 2-Methylnaphthalene	12.34	142	147	0.11	ng/ul	95
12) Phenanthrene	17.30	178	651m	0.23	ng/ul	
15) Fluoranthene	19.32	202	1148	0.31	ng/ul	94
17) Pyrene	19.68	202	1511	0.45	ng/ul	93
18) Benzo(a)anthracene	21.42	228	668	0.20	ng/ul#	88
19) Chrysene	21.47	228	713	0.23	ng/ul#	86
21) Benzo(b)fluoranthene	23.07	252	1120m	0.26	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	280m	0.07	ng/ul	
23) Benzo(a)pyrene	23.67	252	583m	0.15	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	475m	0.10	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	461m	0.11	ng/ul	

SJ 3/13/17

SJ 3/13/17

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