

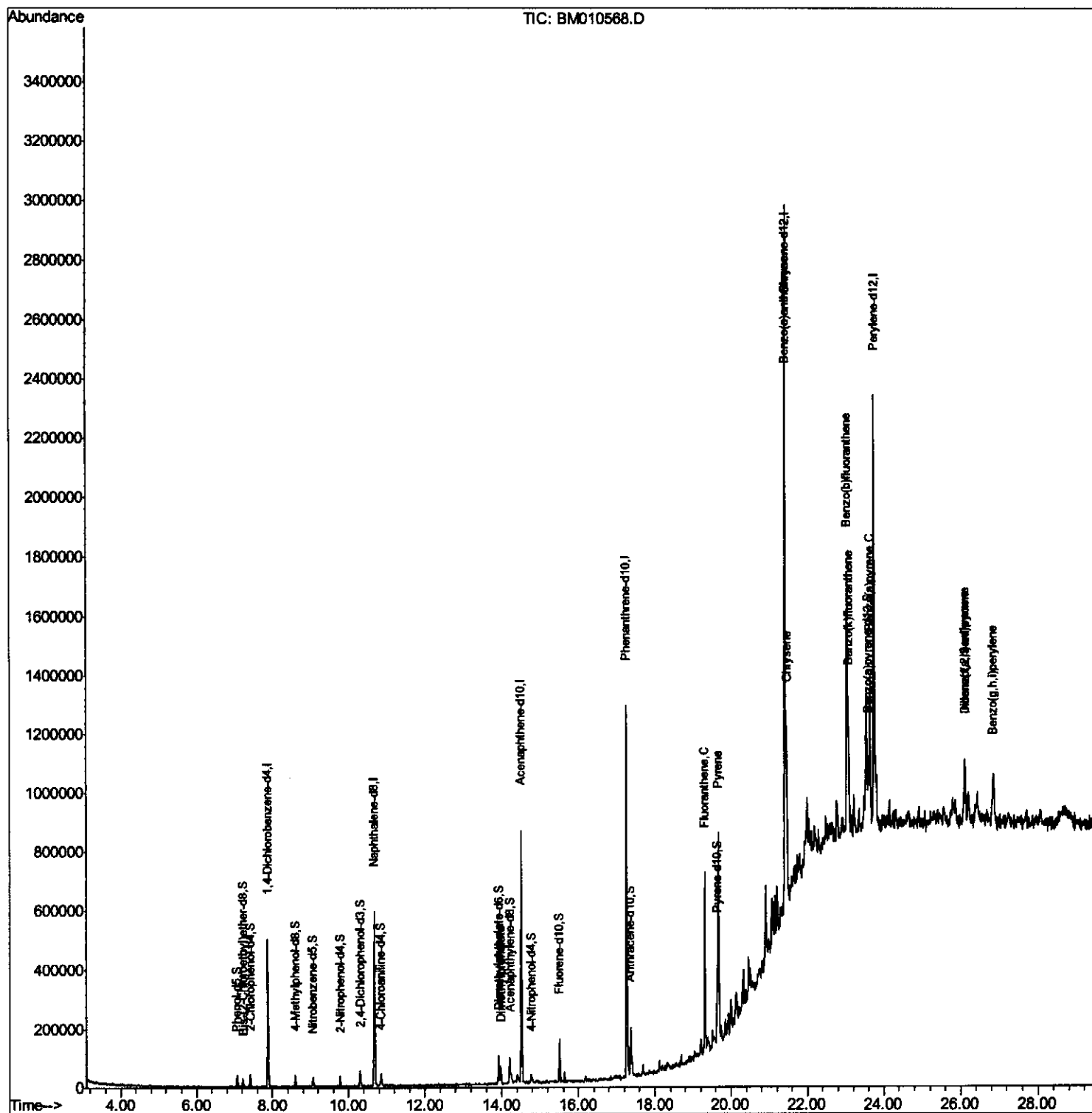
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:44:04 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



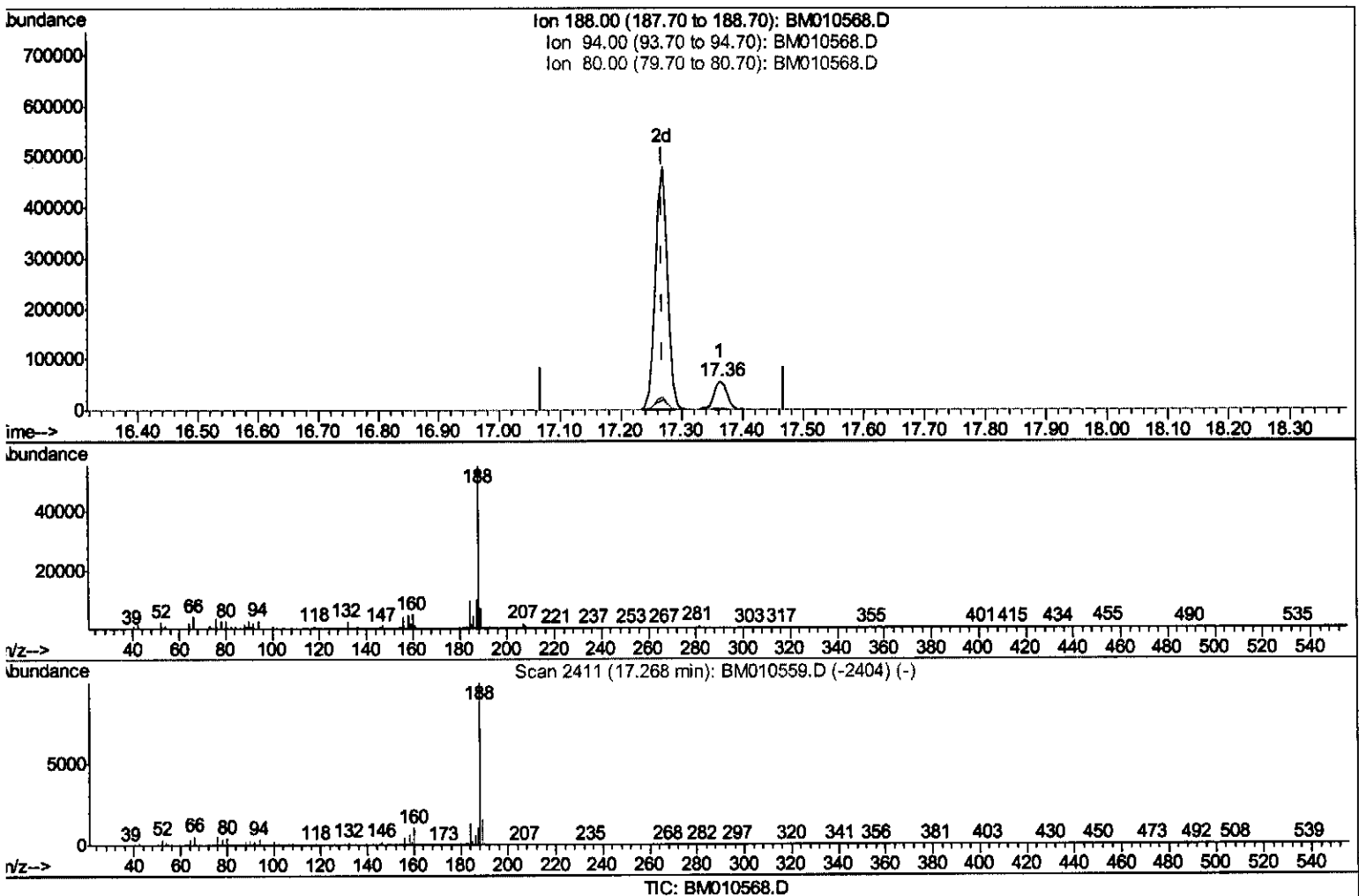
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 01:49:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.363min (+0.094) 20.00ng/ul

response 77338

Ion	Exp%	Act%
188.00	100	100
94.00	5.50	5.53
80.00	6.60	6.13
0.00	0.00	0.00

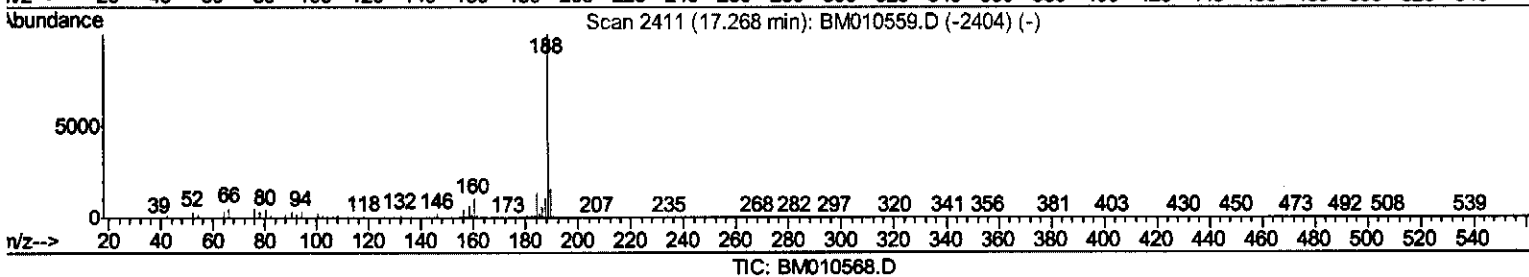
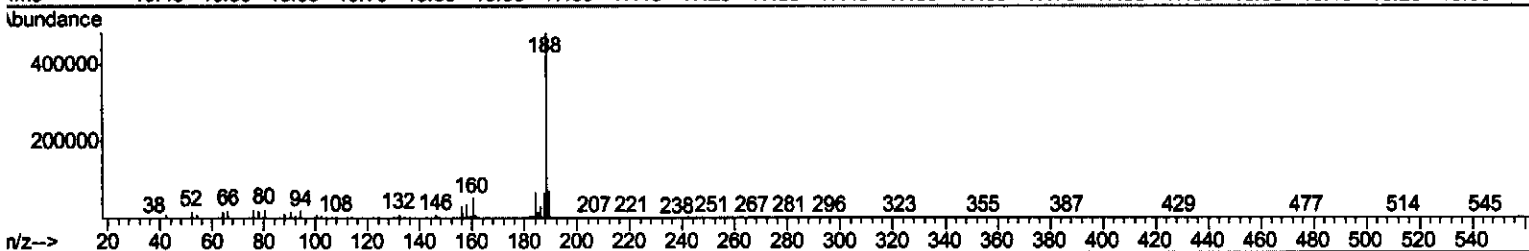
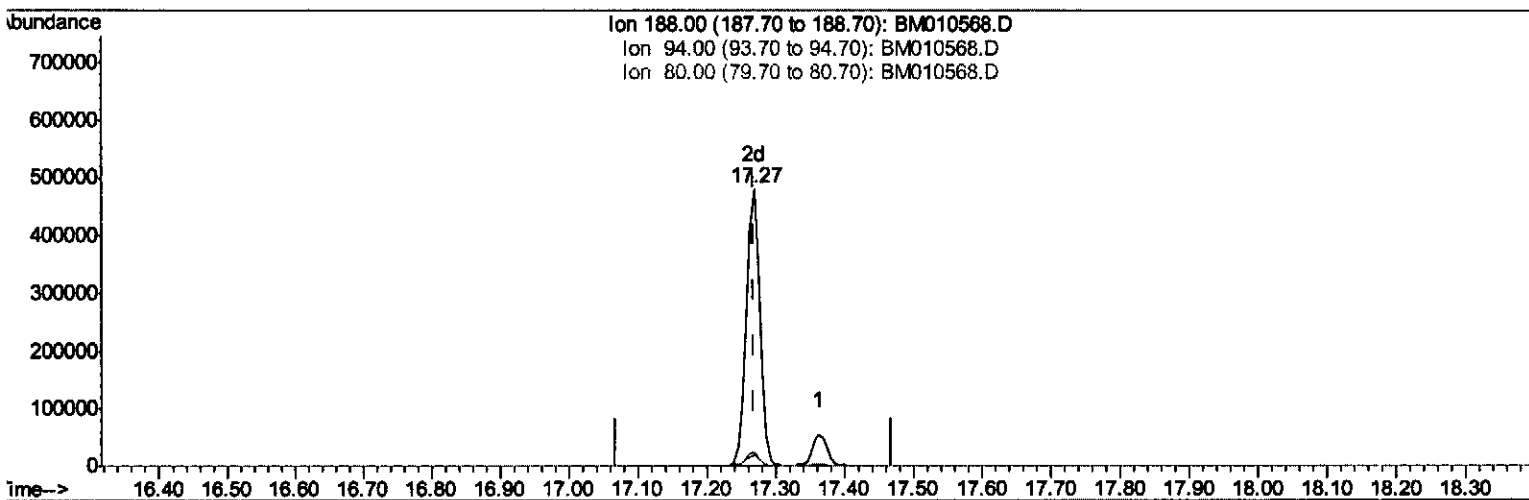
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 01:49:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.268min (+0.000) 20.00ng/ul m

5/8/2017

response 656205

Ion	Exp%	Act%
188.00	100	100
94.00	5.50	4.05#
80.00	6.60	5.14#
0.00	0.00	0.00

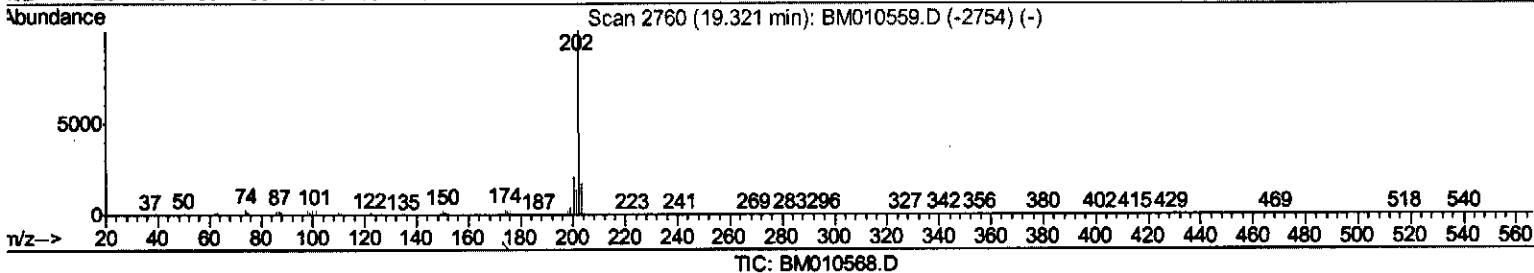
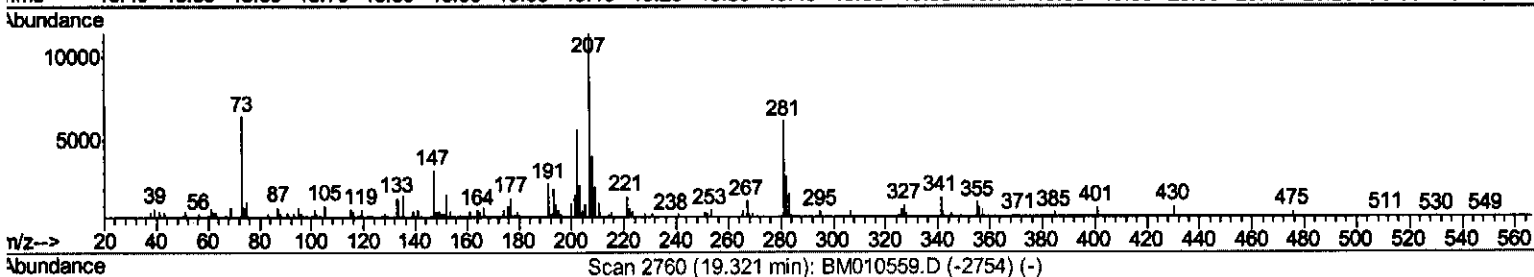
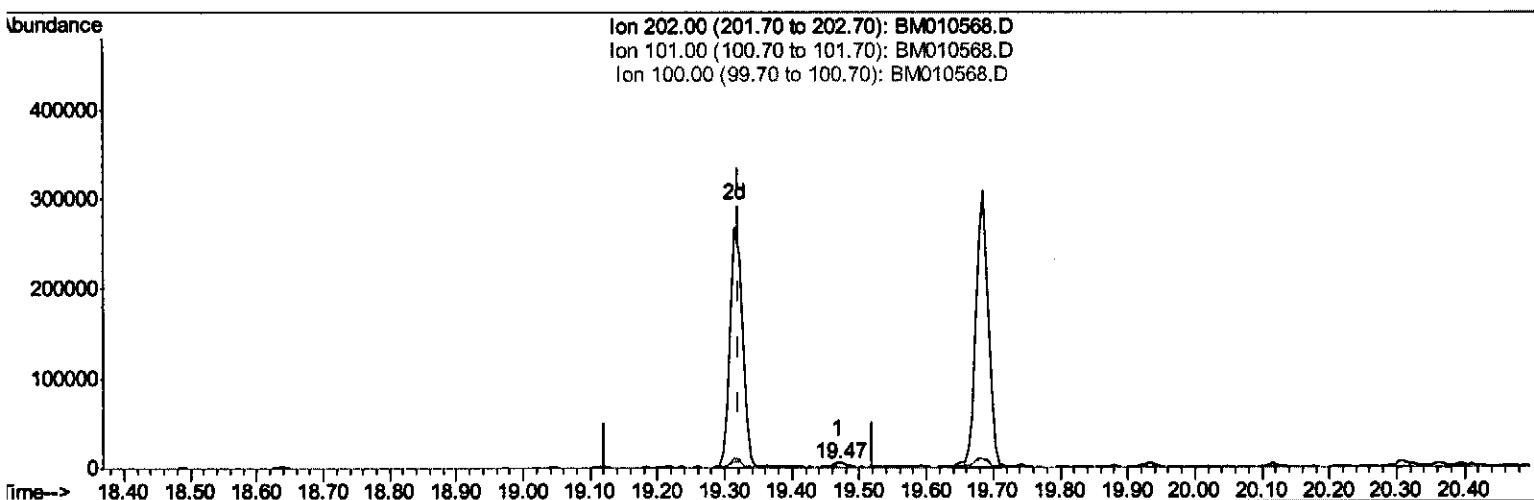
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:42:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(74) Fluoranthene (C)

19.468min (+0.147) 0.18ng/ul

response 7838

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	23.60#
100.00	4.30	8.73#
0.00	0.00	0.00

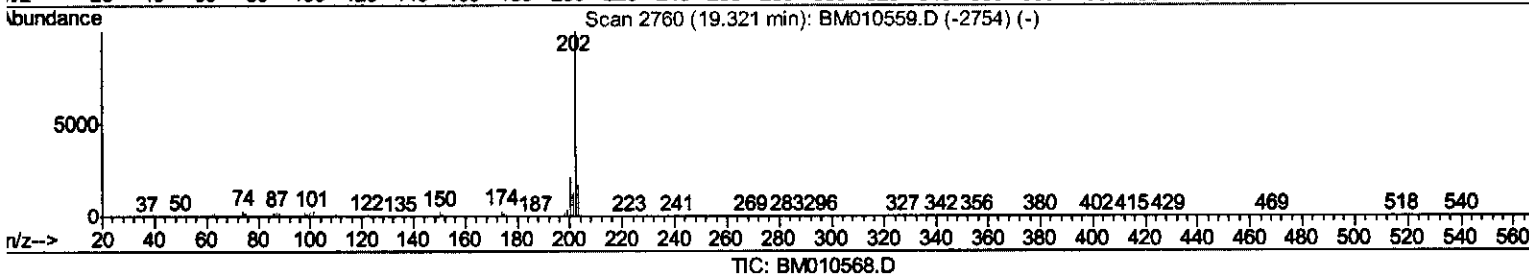
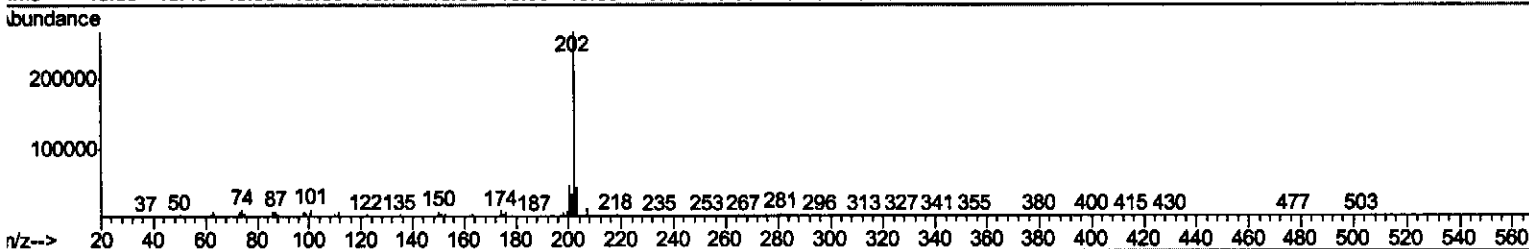
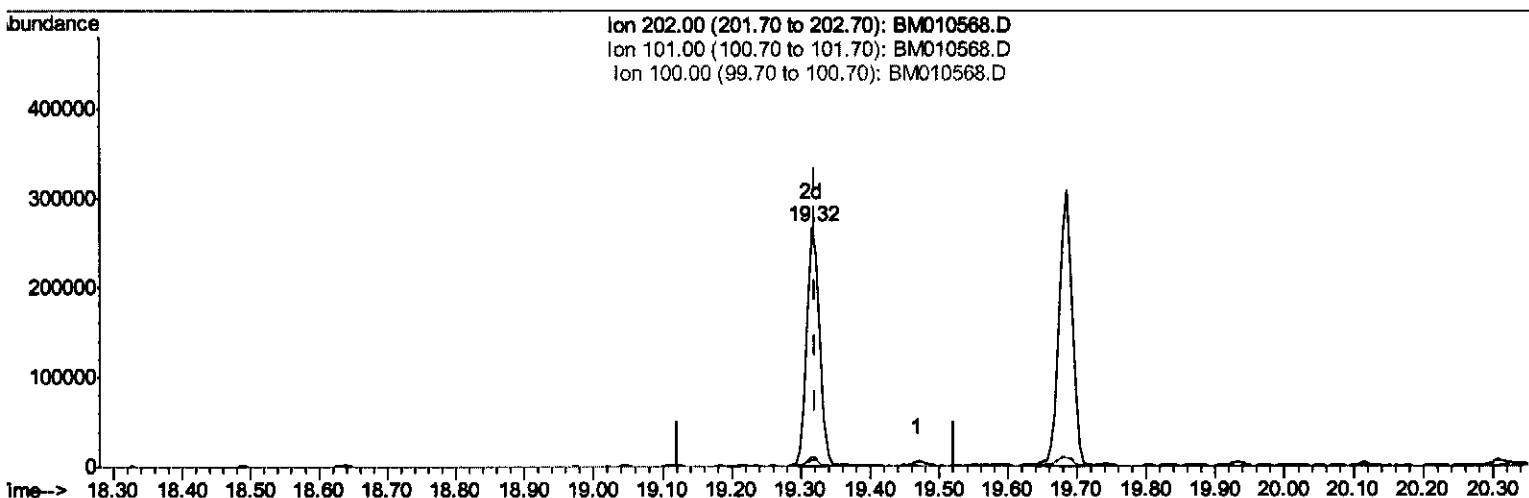
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:42:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(74) Fluoranthene (C)

19.315min (-0.006) 7.98ng/ul m

response 343900

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	4.37#
100.00	4.30	2.51#
0.00	0.00	0.00

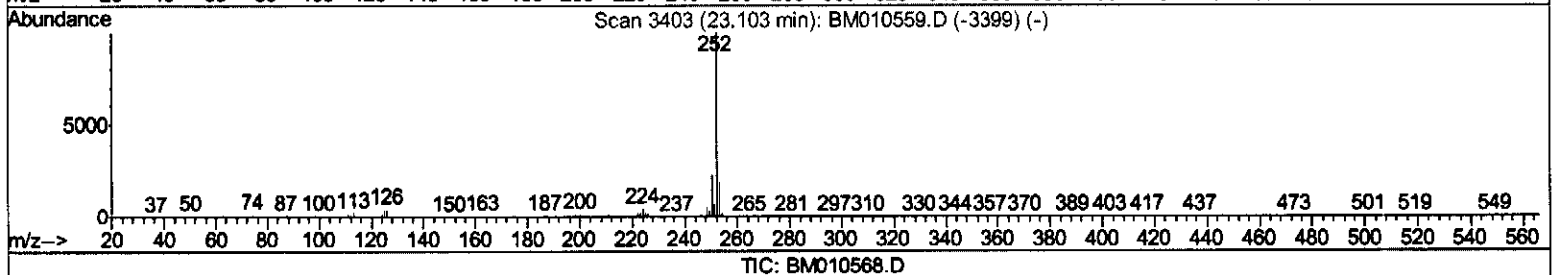
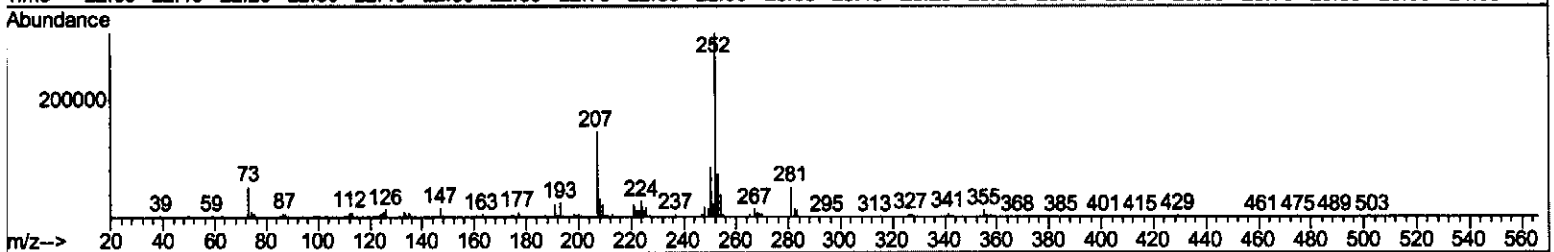
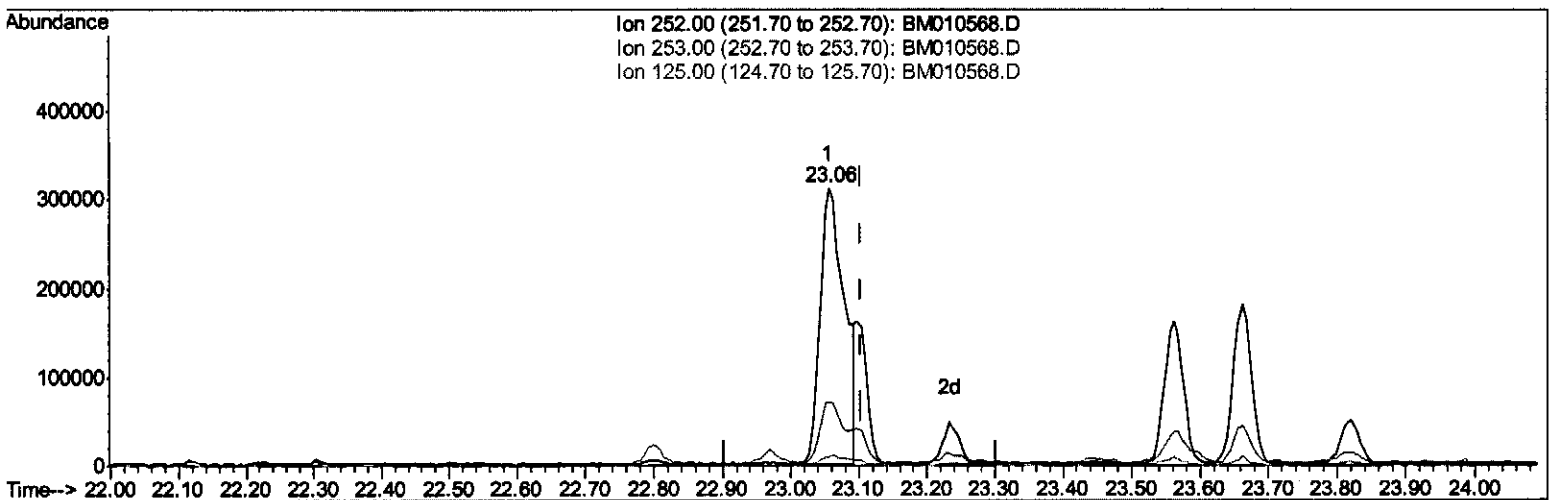
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:42:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.056min (-0.047) 13.33ng/ul

response 782955

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.31
125.00	4.30	3.02#
0.00	0.00	0.00

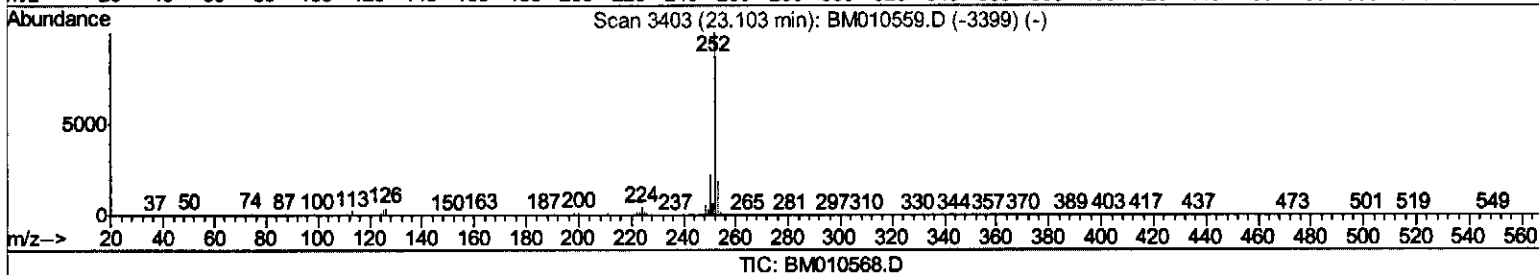
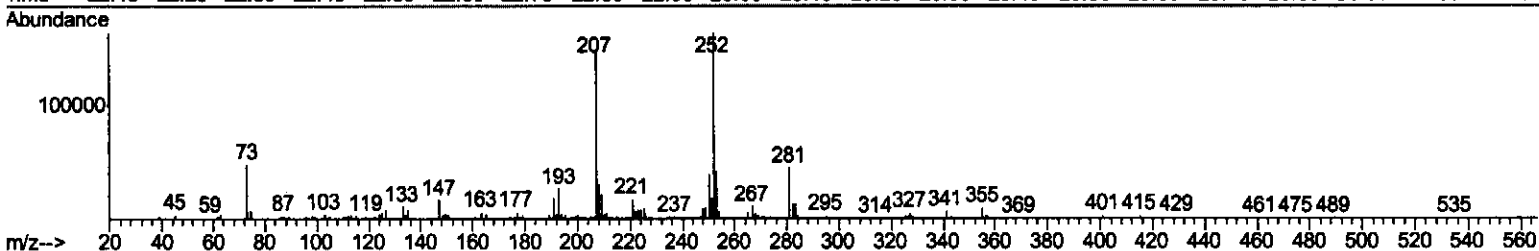
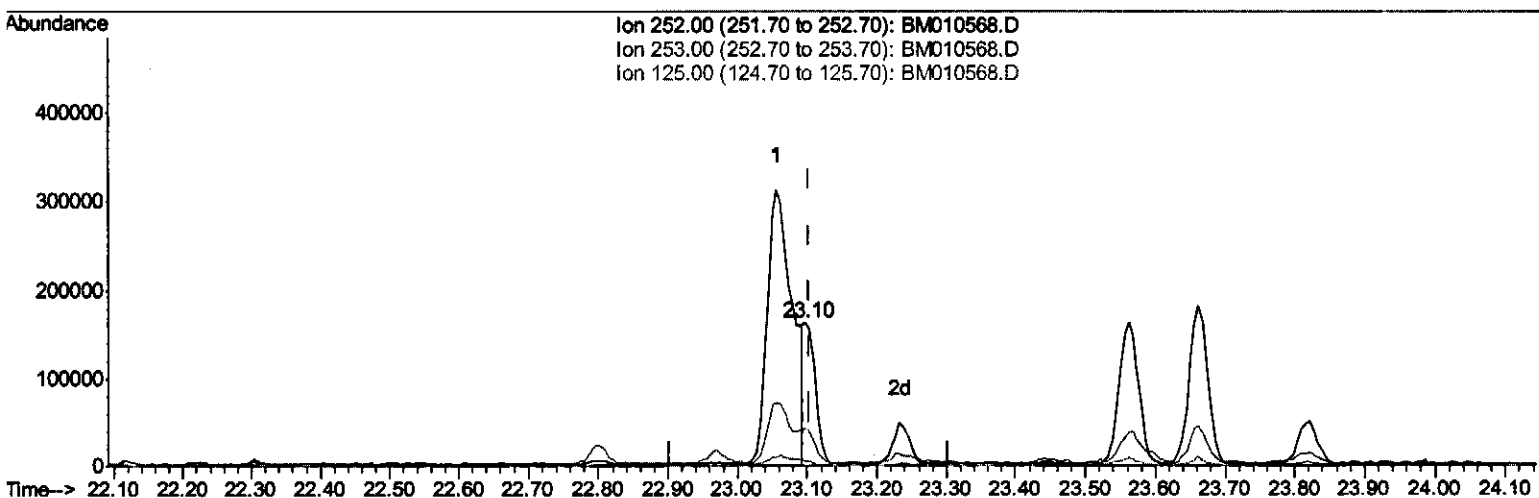
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:42:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.098min (-0.006) 3.24ng/ul m

response 190500

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	26.42#
125.00	4.30	3.51
0.00	0.00	0.00

85
06/20/17

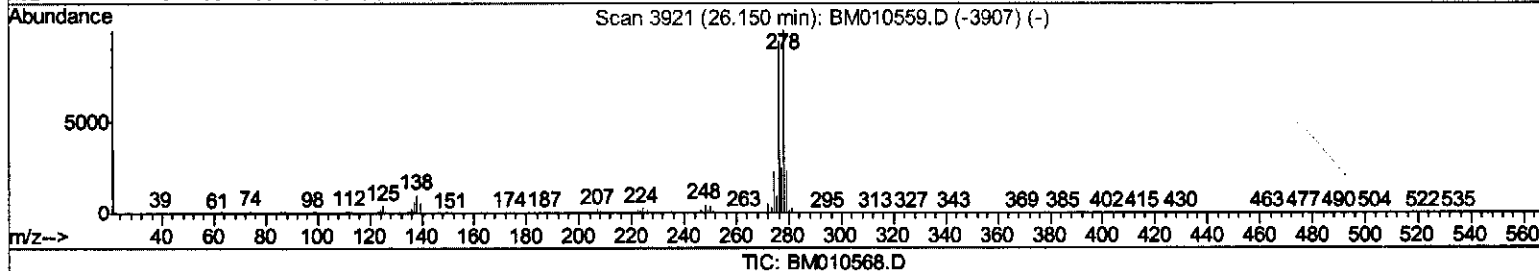
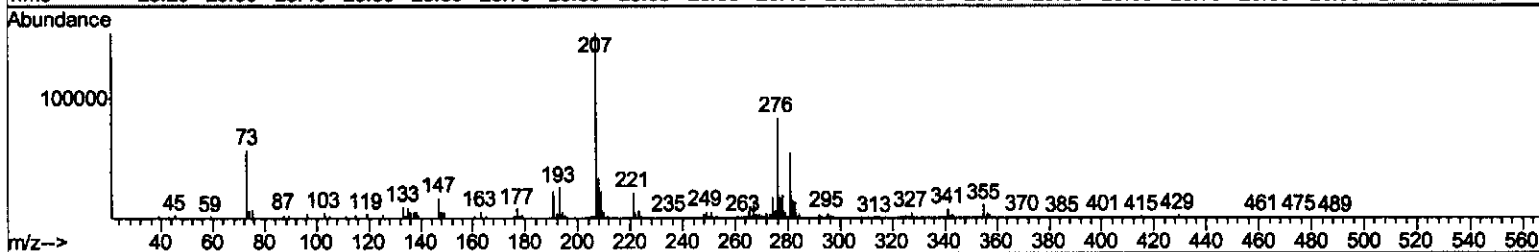
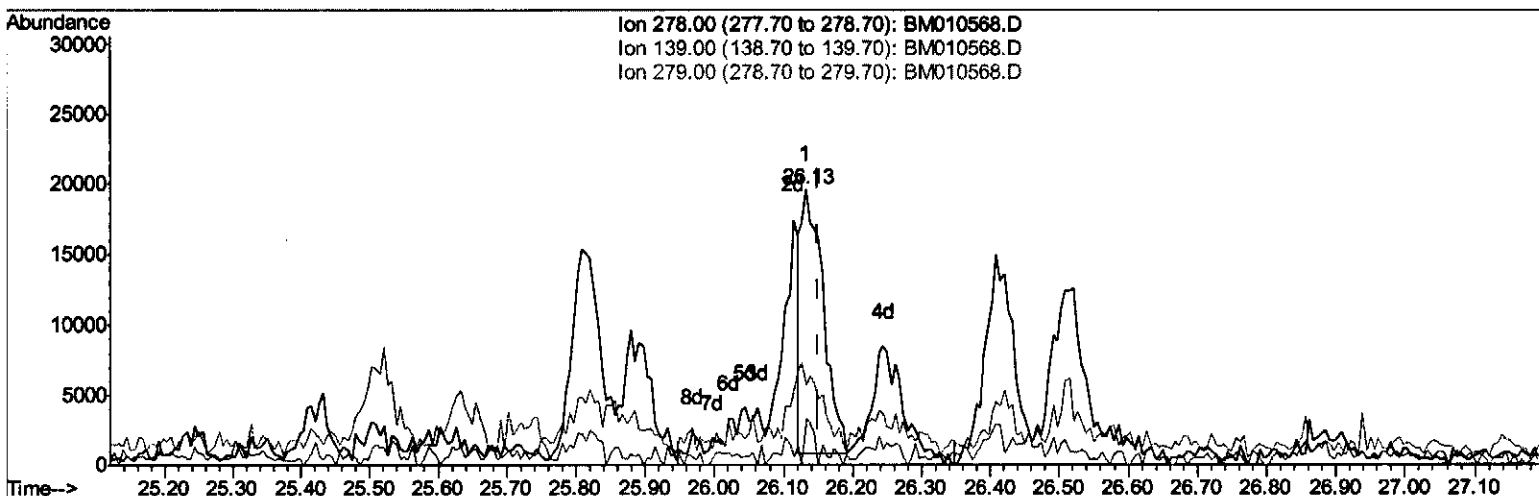
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:42:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

26.133min (-0.018) 0.62ng/ul

response 41213

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	16.81#
279.00	23.20	29.32#
0.00	0.00	0.00

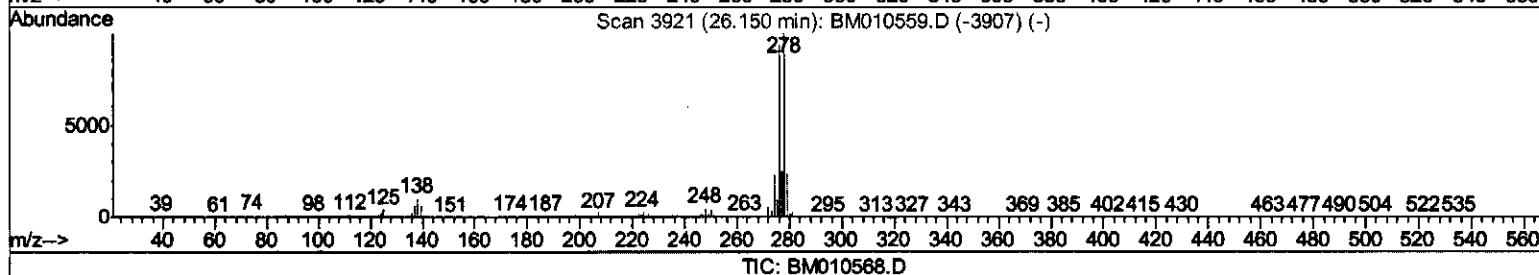
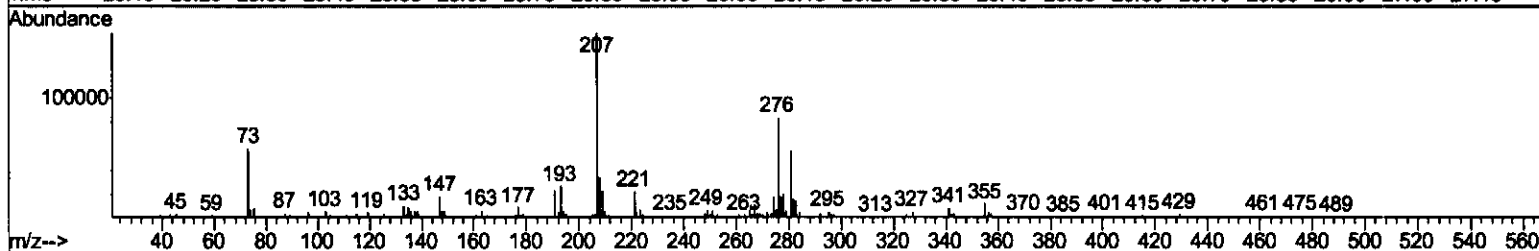
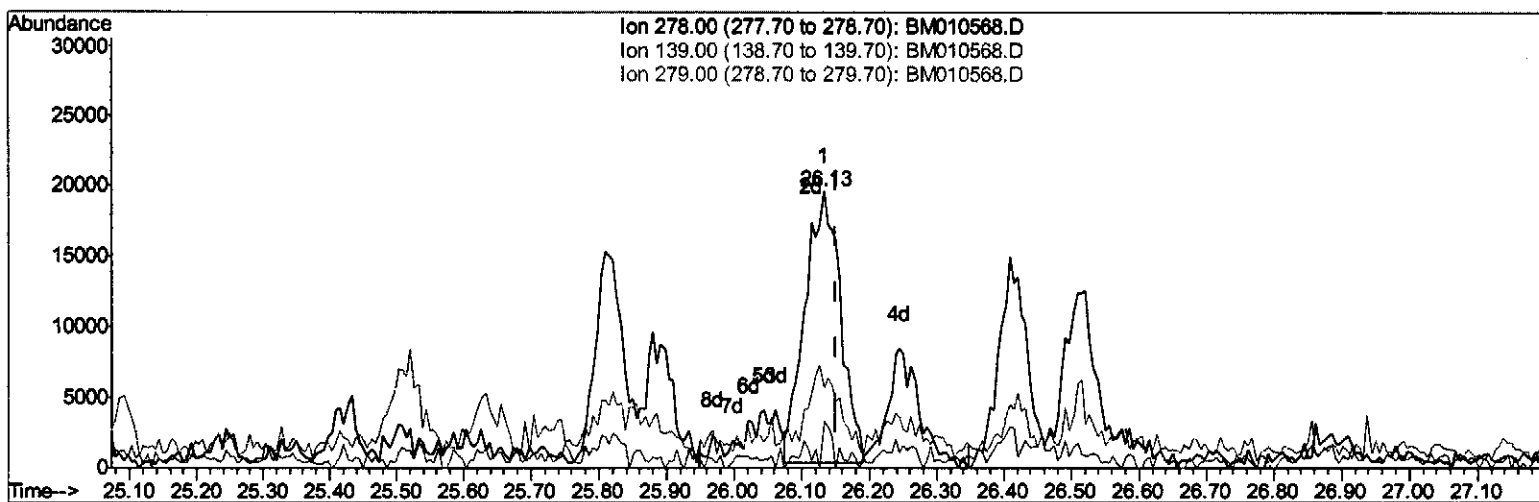
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010568.D
Acq On : 13 Jun 2017 19:55
Operator : SJ/MA
Sample : I3558-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C85DL

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:42:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

26.133min (-0.018) 1.06ng/ul m

response 70071

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	16.81#
279.00	23.20	29.32#
0.00	0.00	0.00

SS
06/20/17

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010568.D
 Acq On : 13 Jun 2017 19:55
 Operator : SJ/MA
 Sample : I3558-12 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C85DL

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:57:31 PM

Quant Time: Jun 14 08:44:04 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	105546	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	368001	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	250136	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	656205m	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1000758	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1056664	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	648	0.25	ng/uL	0.02
5) Phenol-d5	7.06	99	14952	1.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	9318	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	12955	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	12488	1.94	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	6017	2.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	8242	2.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	18174	2.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	16165	2.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	55965	2.69	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	56987	2.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	5936	1.91	ng/ul	0.00
57) Fluorene-d10	15.51	176	50163	2.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.70	200	111	0.02	ng/ul	0.05
70) Anthracene-d10	17.36	188	77338	2.42	ng/ul	0.00
76) Pyrene-d10	19.66	212	109434	2.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	128171	2.61	ng/ul	0.00

Target Compounds

					Qvalue	
44) Dimethylphthalate	13.98	163	31962	1.564	ng/ul#	98
74) Fluoranthene	19.32	202	343900m	7.983	ng/ul	98
77) Pyrene	19.69	202	411877	7.987	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	323470	5.732	ng/ul	99
82) Chrysene	21.47	228	382167	7.491	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	782955	12.734	ng/ul#	98
86) Benzo(k)fluoranthene	23.10	252	190500m	3.243	ng/ul	98
88) Benzo(a)pyrene	23.66	252	336101	5.515	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.13	276	226720	2.944	ng/ul	94
90) Dibenzo(a,h)anthracene	26.13	278	70071m	1.057	ng/ul	94
91) Benzo(g,h,i)perylene	26.88	276	170921	2.694	ng/ul	96

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