

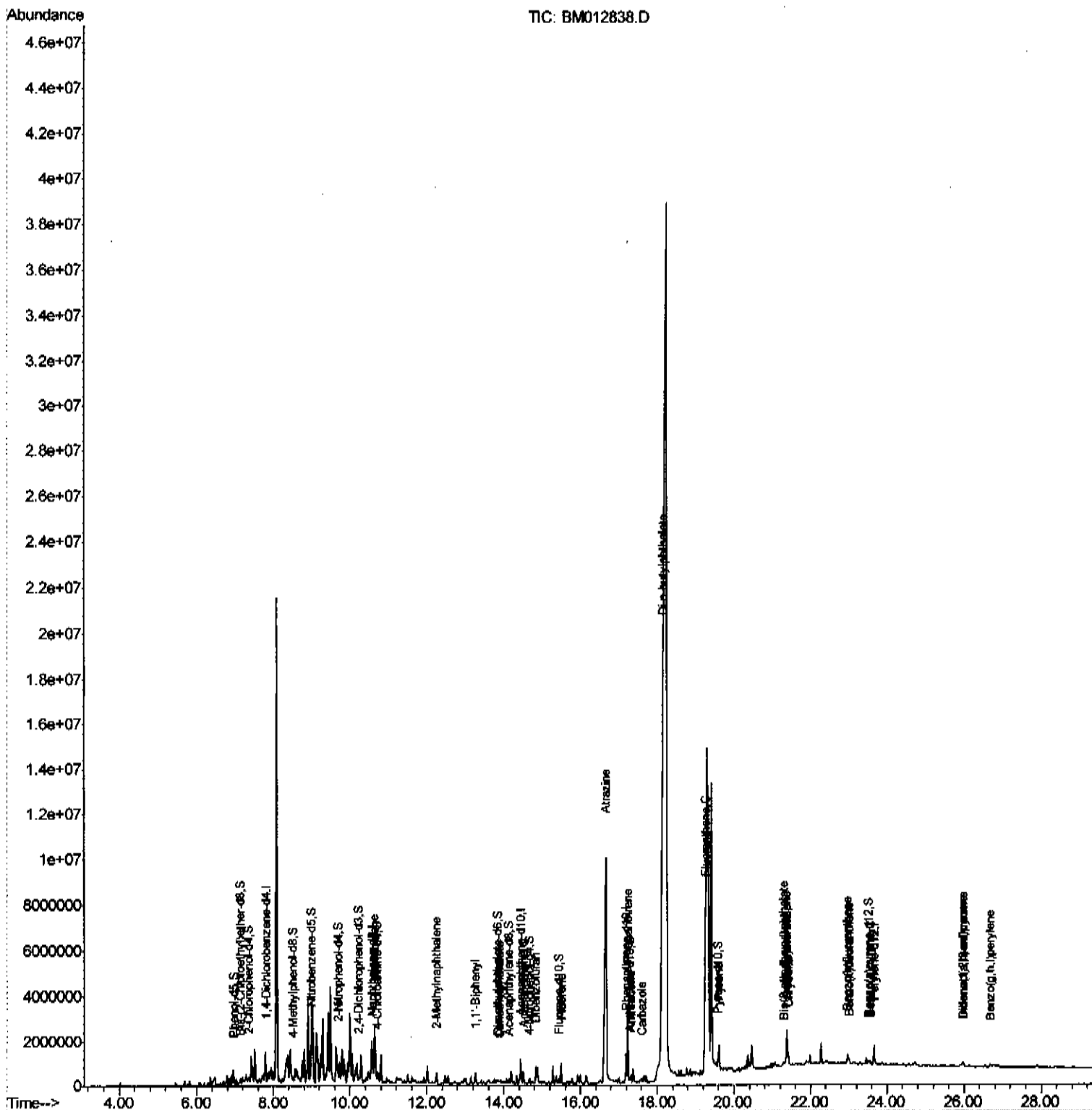
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012838.D
Acq On : 09 Nov 2017 01:18
Operator : SJ/JU
Sample : I6150-05 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-3(1-2)-102517

Manual Integrations
APPROVED

Sohil
11/9/2017 3:48:58 PM

Quant Time: Nov 09 05:32:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration



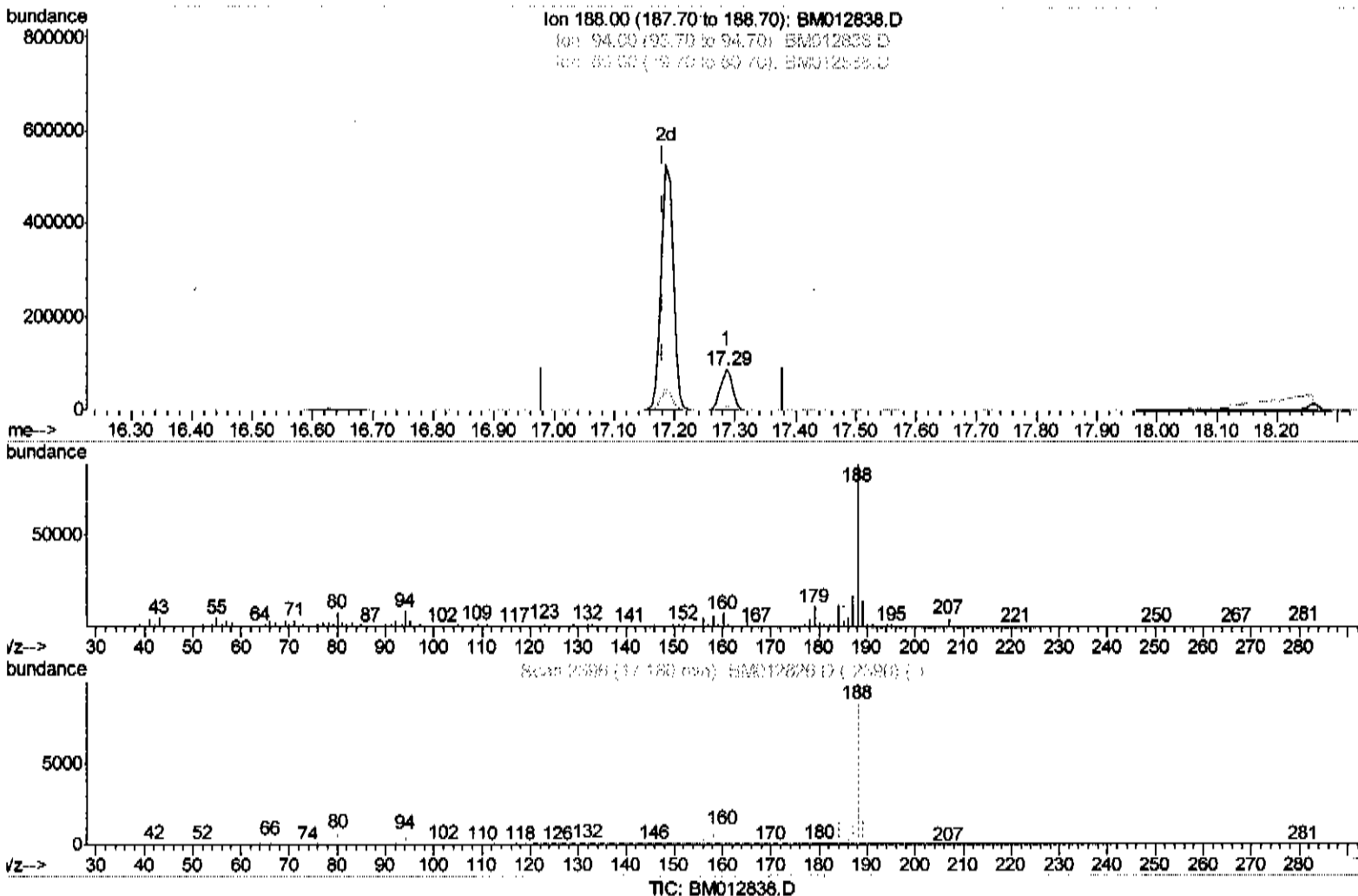
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Quant Time: Nov 09 04:01:10 2017
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(61) Phenanthrene-d10 (I)
 17.286min (+0.106) 20.00ng/ul
 response 123138

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.66
80.00	9.70	8.83
0.00	0.00	0.00

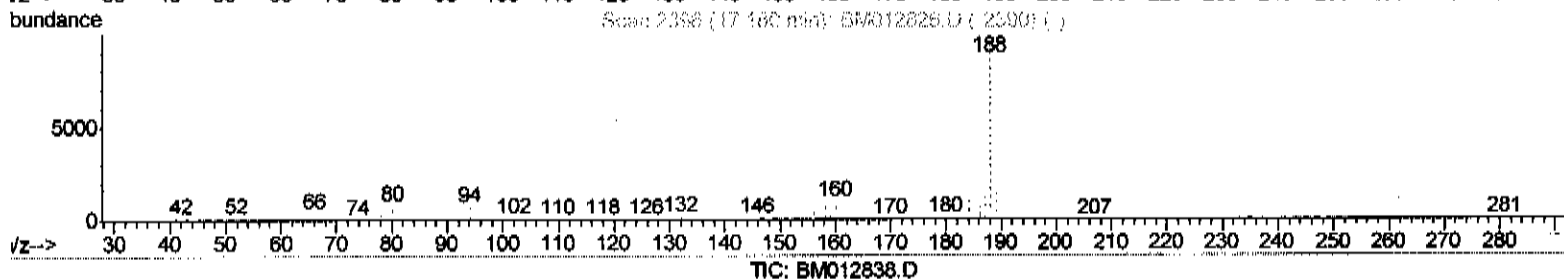
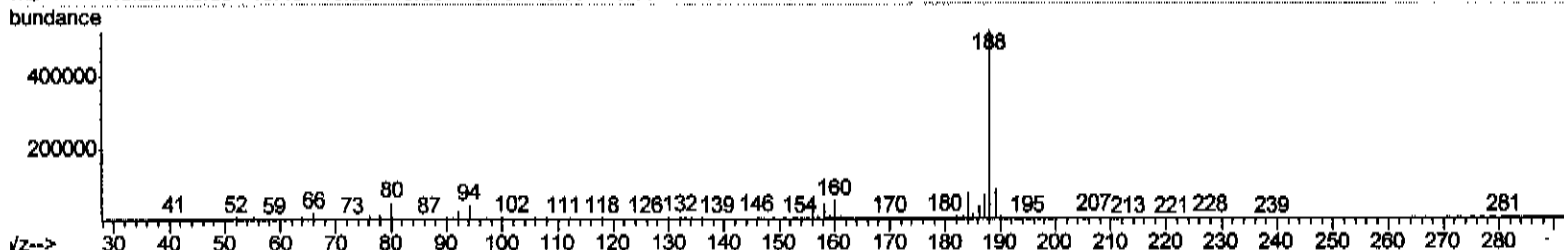
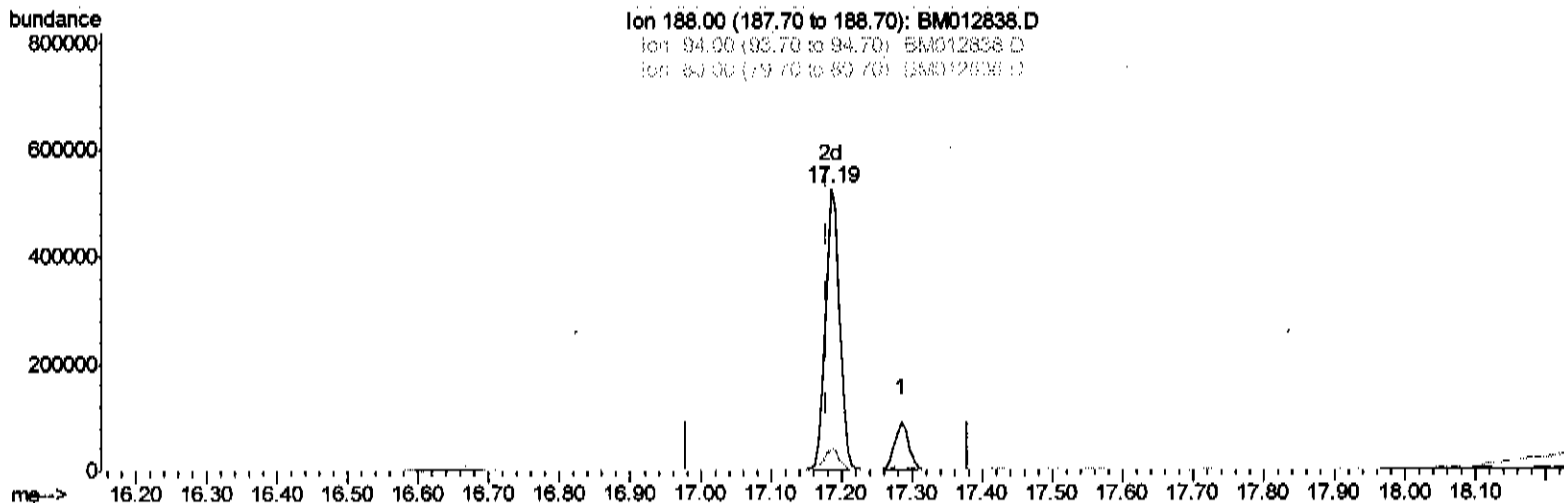
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(61) Phenanthrene-d10 (I)

17.186min (+0.006) 20.00ng/ul m

SJ 11/13/17

response 733564

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	7.15#
80.00	9.70	8.59
0.00	0.00	0.00

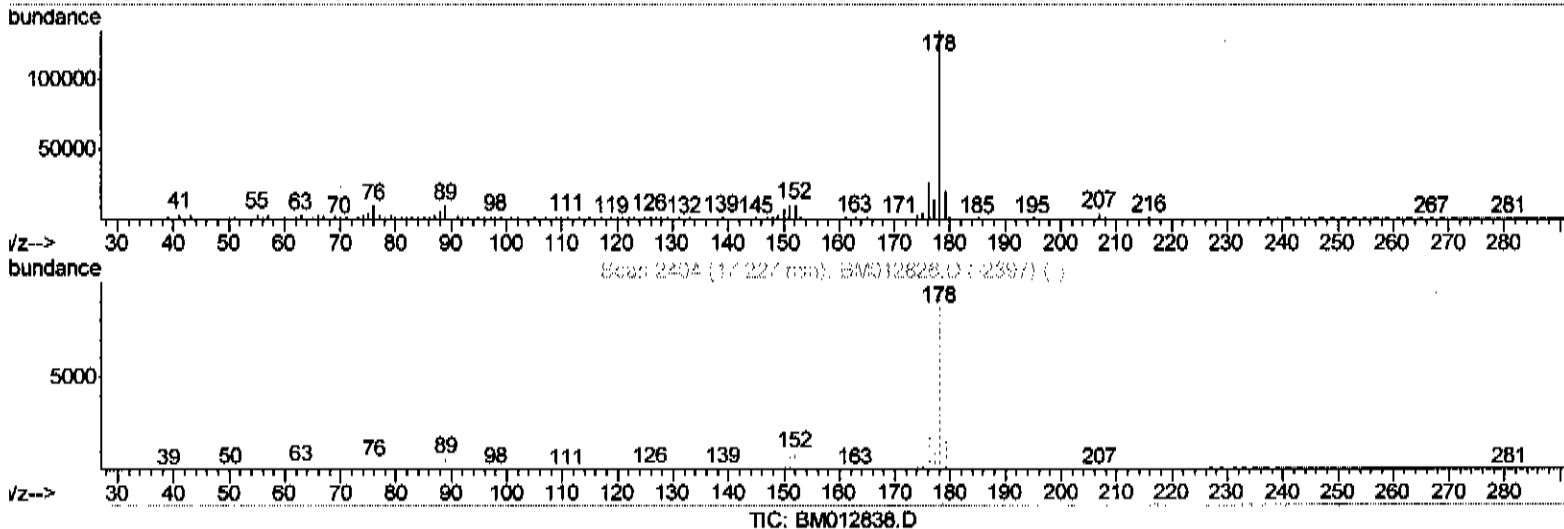
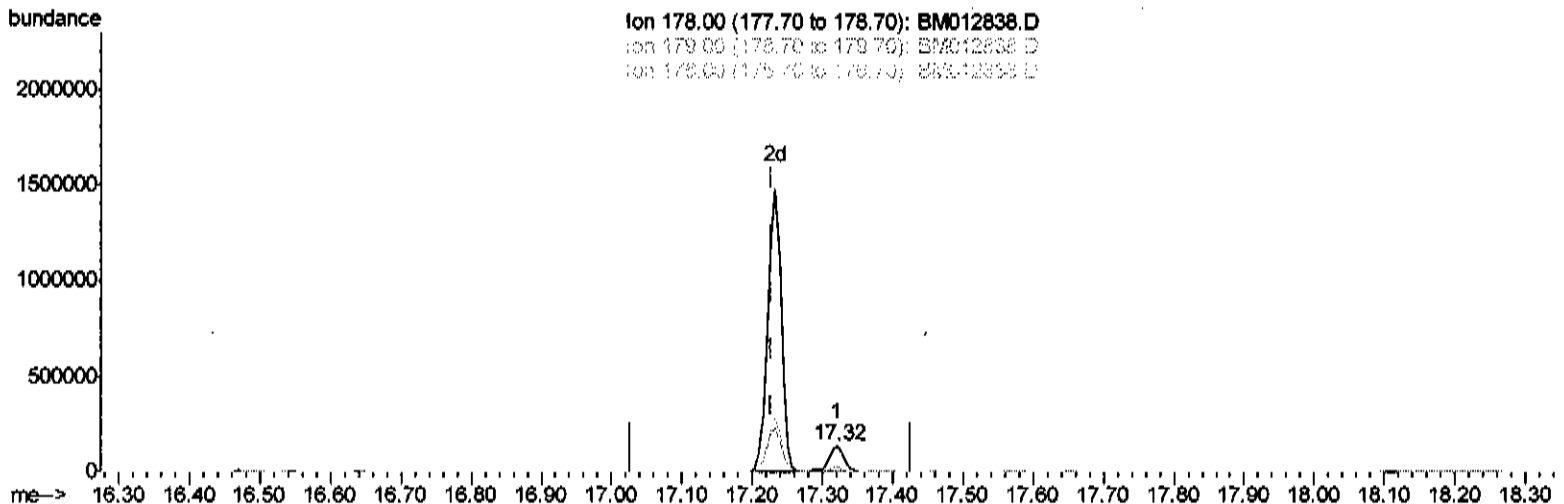
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Sohil
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Quant Time: Nov 09 05:02:28 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration



(69) Phenanthrene

17.321min (+0.094) 4.74ng/ul

response 189950

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	14.70
176.00	19.50	18.52
0.00	0.00	0.00

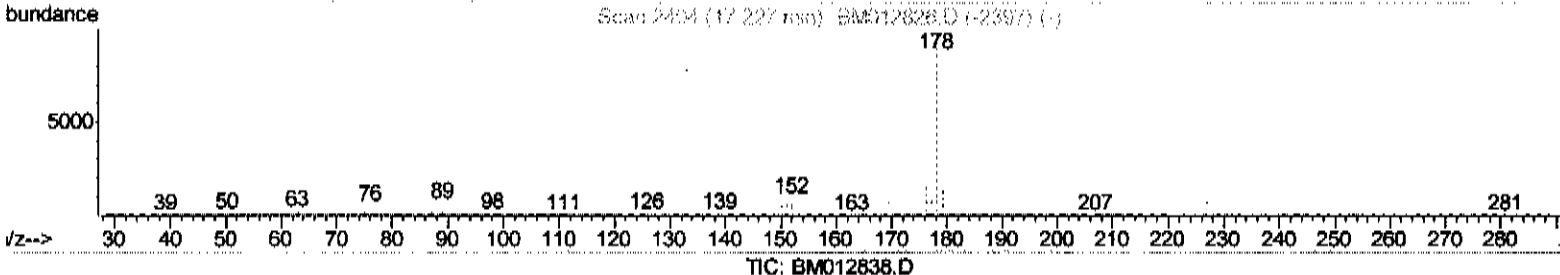
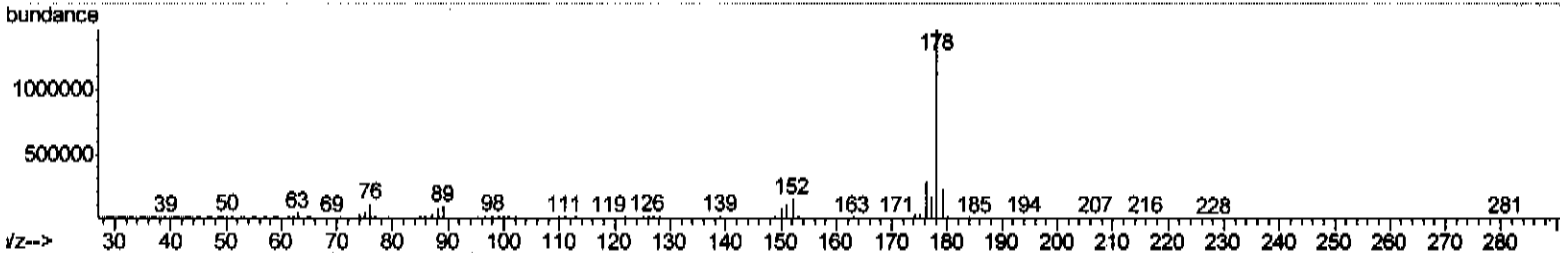
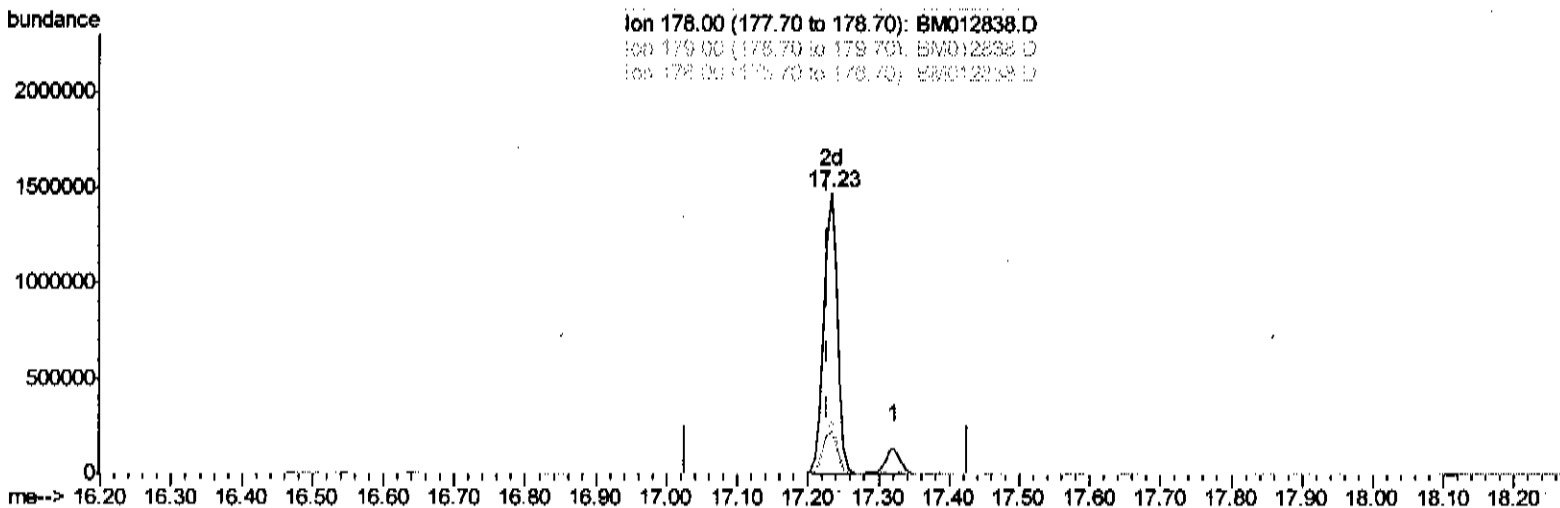
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(69) Phenanthrene

17.233min (+0.006) 49.30ng/ul m

SJ 11/13/17

response 1976505

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.45
176.00	19.50	18.93
0.00	0.00	0.00

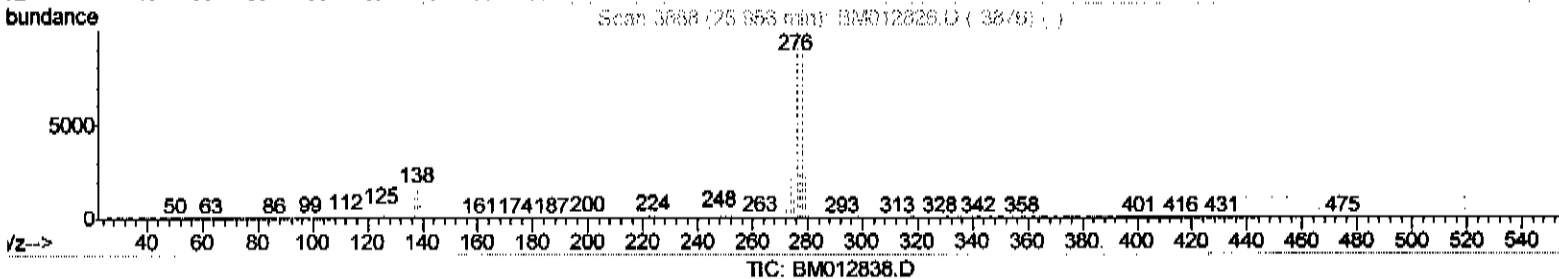
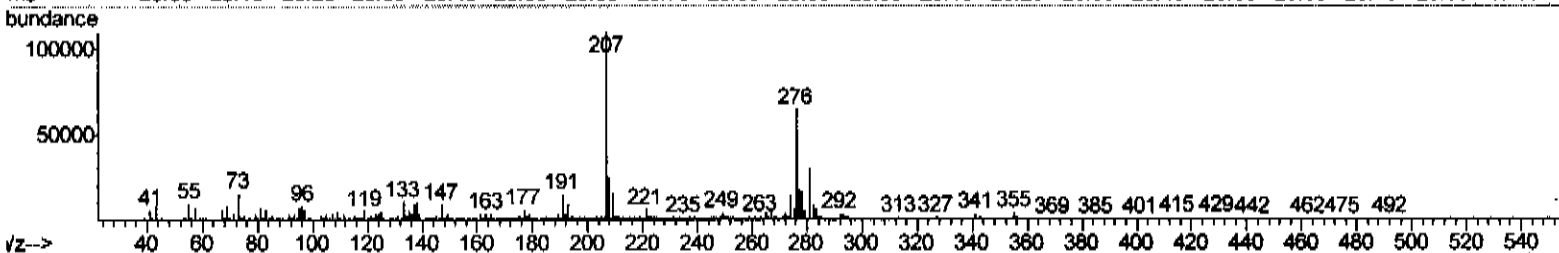
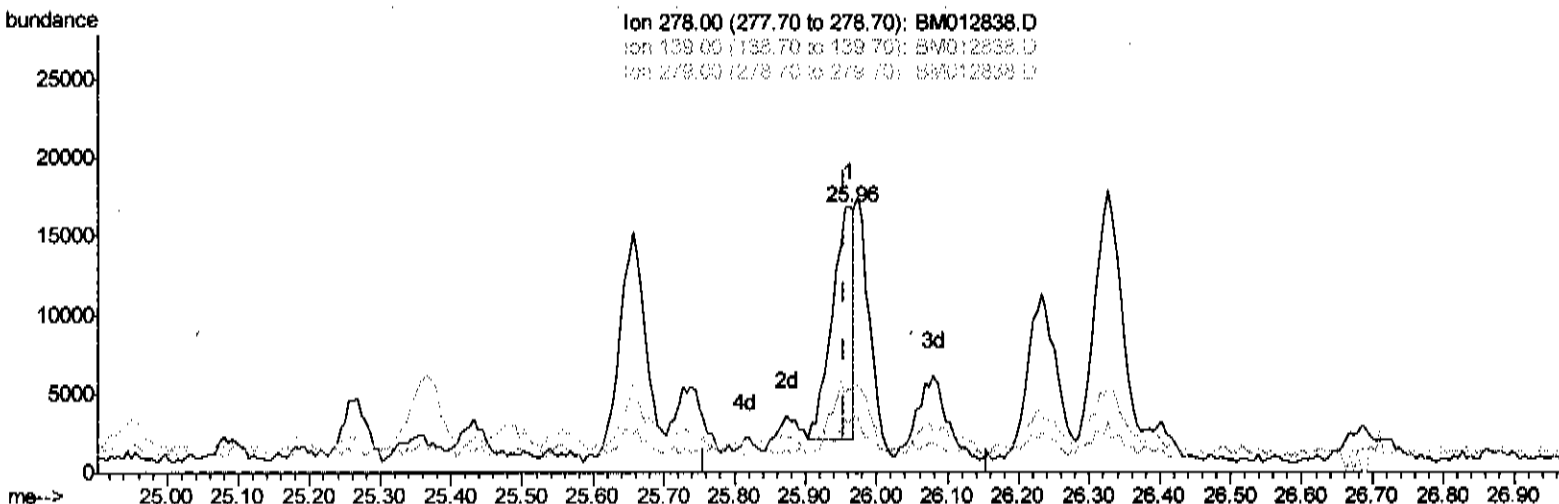
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Instrument :
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Manual Integrations
 APPROVED

Sohil
 11/9/2017 3:48:58 PM

Quant Time: Nov 09 05:03:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.962min (+0.006) 0.75ng/ul

response 31893

Ion	Exp%	Act%
278.00	100	100
139.00	17.40	18.48
279.00	23.70	31.95#
0.00	0.00	0.00

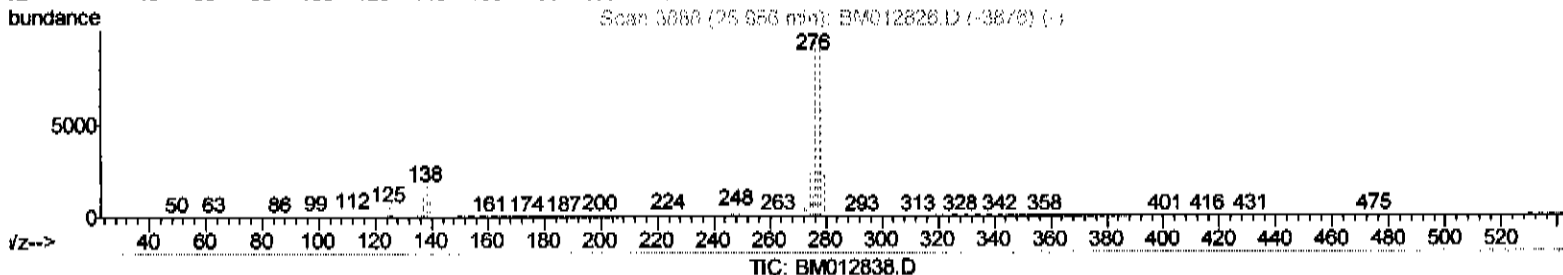
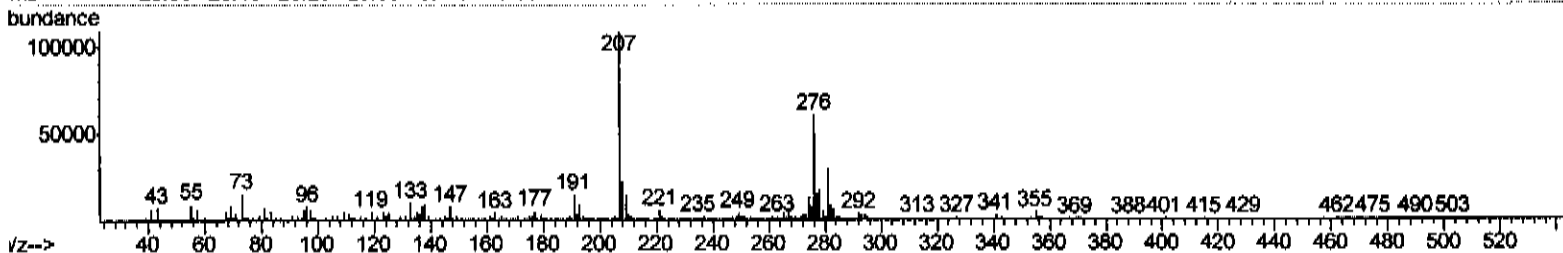
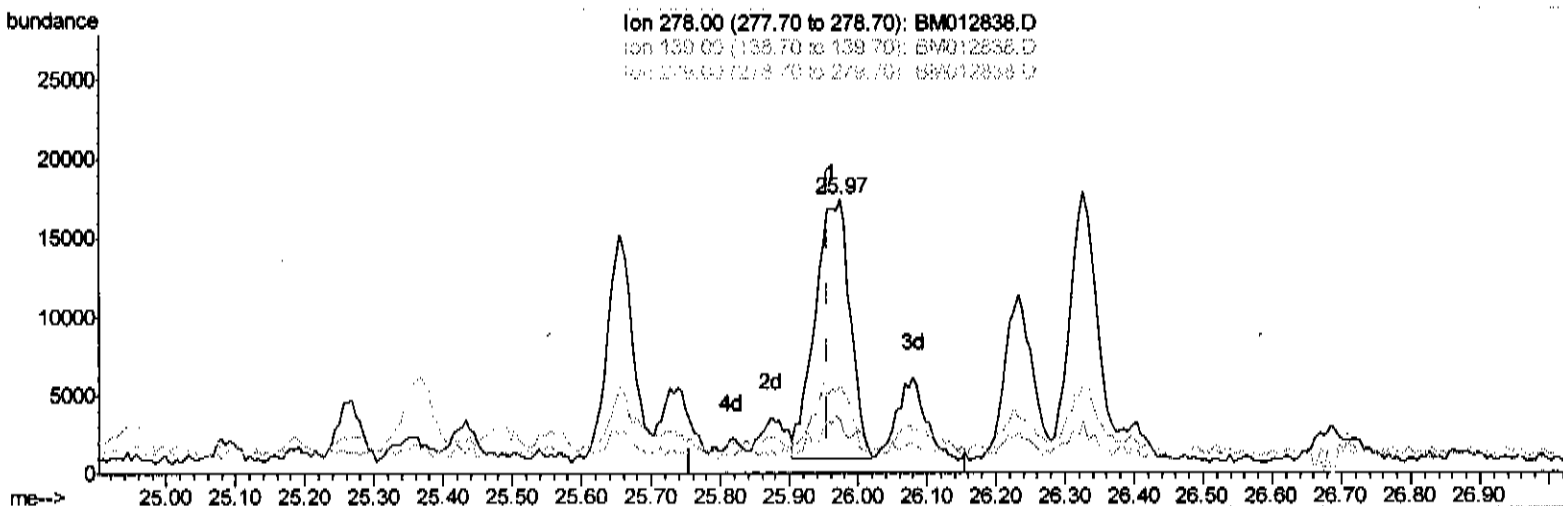
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012838.D
 Acq On : 09 Nov 2017 01:18
 Operator : SJ/JU
 Sample : I6150-05 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 11/9/2017 3:48:58 PM

Quant Time: Nov 09 05:03:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
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 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.974min (+0.018) 1.38ng/ul m

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response 58397

Ion	Exp%	Act%
278.00	100	100
139.00	17.40	19.42
279.00	23.70	31.69#
0.00	0.00	0.00

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	146482	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	592477	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	356861	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	733564m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	649288	20.00	ng/ul	0.01
85) Perylene-d12	23.66	264	714615	20.00	ng/ul	0.02

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.29	96	1293	0.48	ng/ul	0.00
5) Phenol-d5	6.98	99	36783	3.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	28122	4.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	29088	3.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	25502	2.71	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	23972	5.48	ng/ul	0.02
22) 2-Nitrophenol-d4	9.68	143	15337	3.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	32916	3.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	186556	18.83	ng/ul	-0.02
43) Dimethylphthalate-d6	13.84	166	102975	3.49	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	122901	3.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	12956	2.74	ng/ul	0.02
57) Fluorene-d10	15.43	176	87764	3.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	237	0.05	ng/ul	0.02
70) Anthracene-d10	17.29	188	123138	3.47	ng/ul	0.00
78) Pyrene-d10	19.59	212	118673	3.94	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.51	264	120058	3.55	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.65	128	793867	26.80	ng/ul#	95
34) 2-Methylnaphthalene	12.26	142	251206	11.10	ng/ul	99
40) 1,1'-Biphenyl	13.27	154	71507	2.42	ng/ul	100
44) Dimethylphthalate	13.89	163	33435	1.14	ng/ul#	96
49) Acenaphthene	14.50	153	199309	8.26	ng/ul	96
53) Dibenzofuran	14.84	168	378460	10.76	ng/ul	94
58) Fluorene	15.49	166	401810	13.75	ng/ul	99
67) Atrazine	16.66	200	37839	4.28	ng/ul#	56
69) Phenanthrene	17.23	178	1976505m	49.30	ng/ul	56
71) Anthracene	17.32	178	189514	4.56	ng/ul	100
74) Carbazole	17.59	167	59219	1.71	ng/ul	96
75) Di-n-butylphthalate	18.15	149	458416	11.28	ng/ul	99
76) Fluoranthene	19.25	202	1077284	22.36	ng/ul	96
79) Pyrene	19.62	202	704851	18.20	ng/ul#	92
82) Benzo(a)anthracene	21.36	228	219070	5.58	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.28	149	32334	1.57	ng/ul#	89
84) Chrysene	21.41	228	338009	9.49	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	408068	9.34	ng/ul	96
88) Benzo(k)fluoranthene	23.01	252	130820	3.15	ng/ul	94
90) Benzo(a)pyrene	23.55	252	111566	2.68	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.97	276	181900	3.63	ng/ul#	86
92) Dibenzo(a,h)anthracene	25.97	278	58397m	1.38	ng/ul	86
93) Benzo(g,h,i)perylene	26.68	276	176071	4.27	ng/ul#	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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