

Instrument :
BNA_M
ClientSampleId :
B-31(1-2)-101817

Sohil
11/9/2017 3:48:46 PM

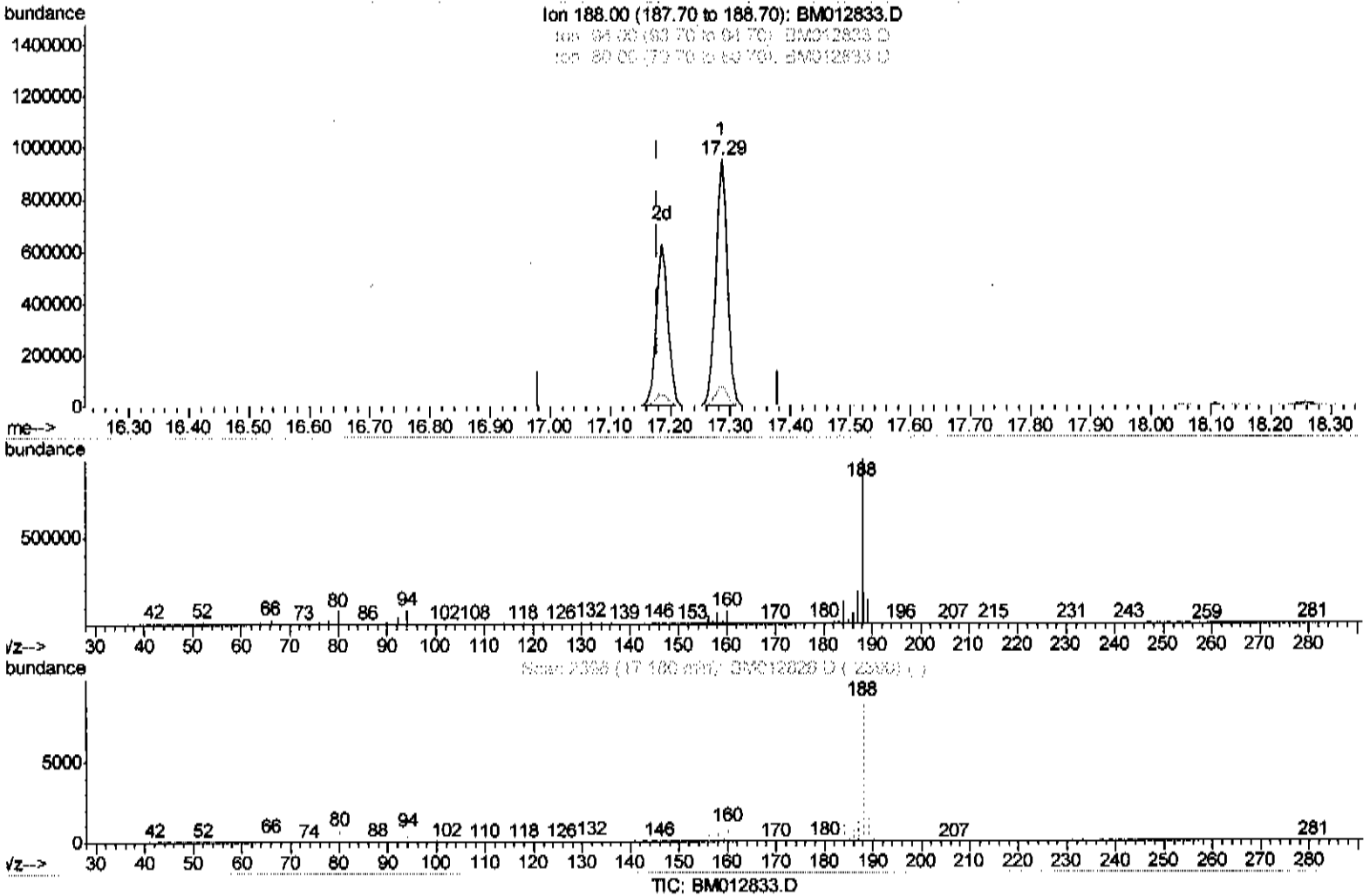
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012833.D
 Acq On : 08 Nov 2017 22:19
 Operator : SJ/JU
 Sample : I6032-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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Manual Integrations
 APPROVED

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Quant Time: Nov 09 03:59:36 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



(61) Phenanthrene-d10 (I)
 17.286min (+0.106) 20.00ng/ul
 response 1298163

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	8.27
80.00	9.70	8.06
0.00	0.00	0.00

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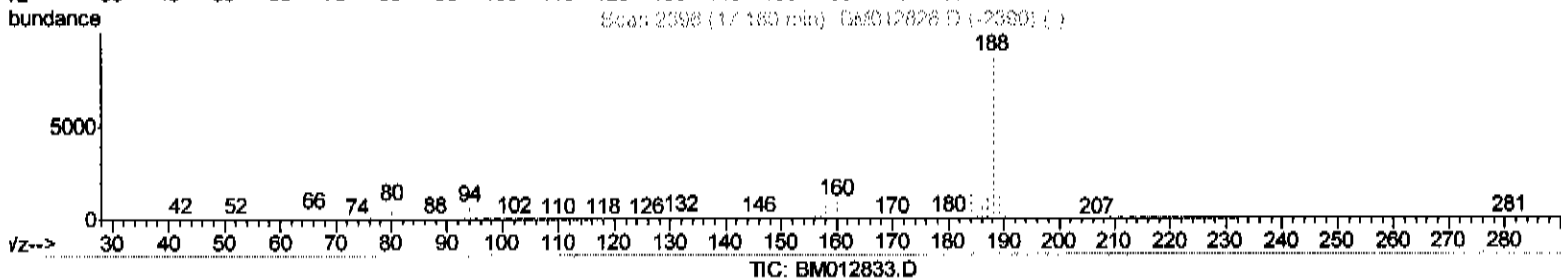
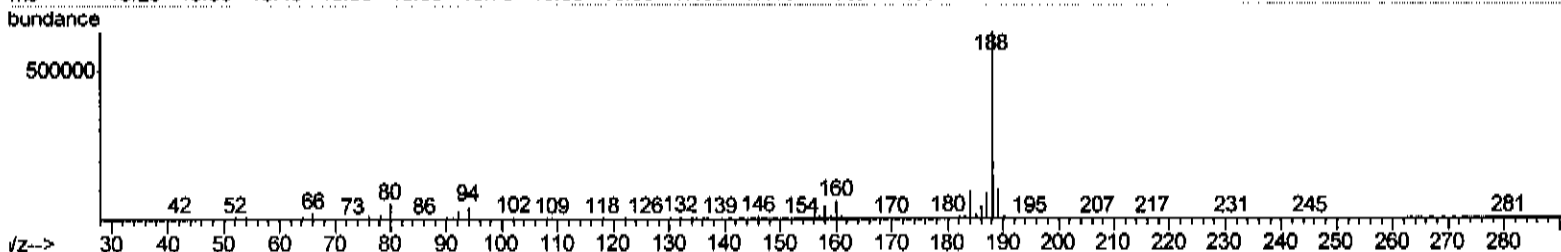
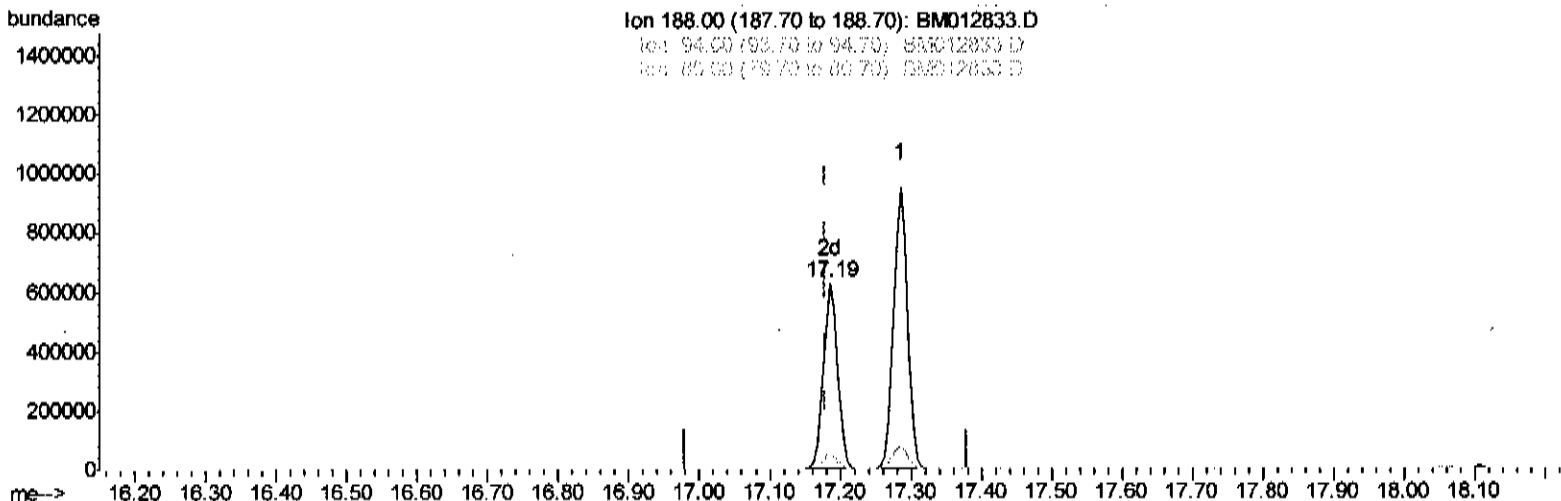
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Ion 188.00 (187.70 to 188.70): BM012833.D
 Ion: 94.00 (93.70 to 94.70): BM012833.D
 Ion: 80.00 (79.70 to 80.70): BM012833.D



(61) Phenanthrene-d10 (I)

17.186min (+0.006) 20.00ng/ul m

10/11/13/17

response 863957

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	7.19#
80.00	9.70	8.06
0.00	0.00	0.00

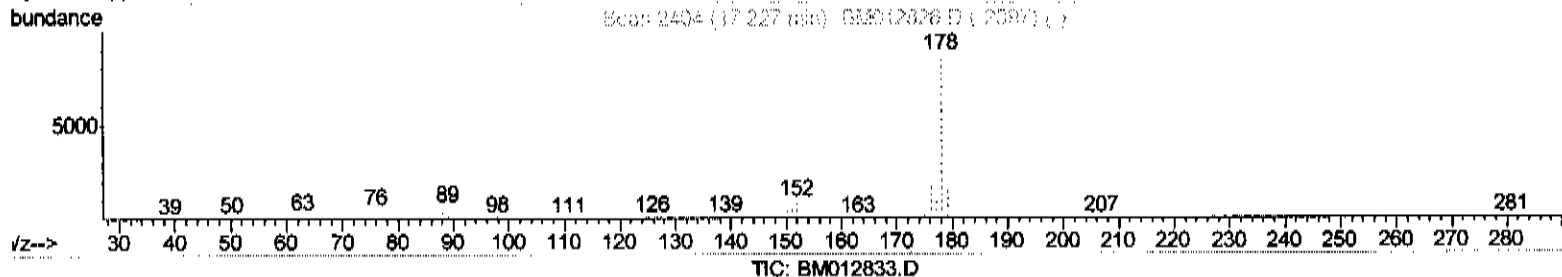
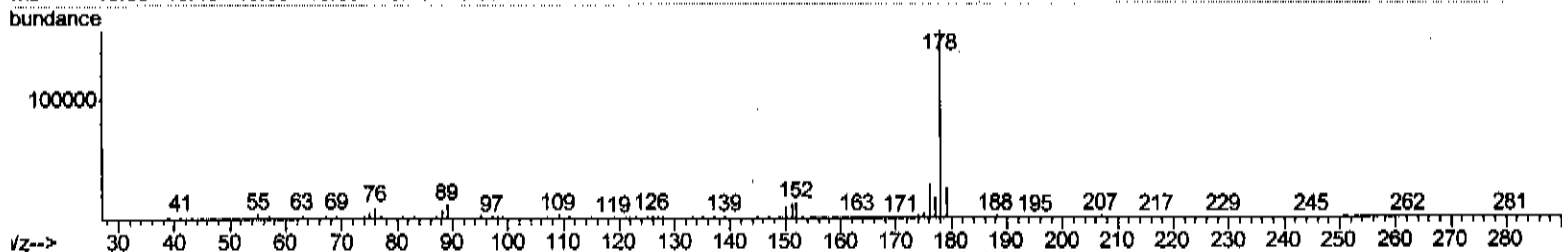
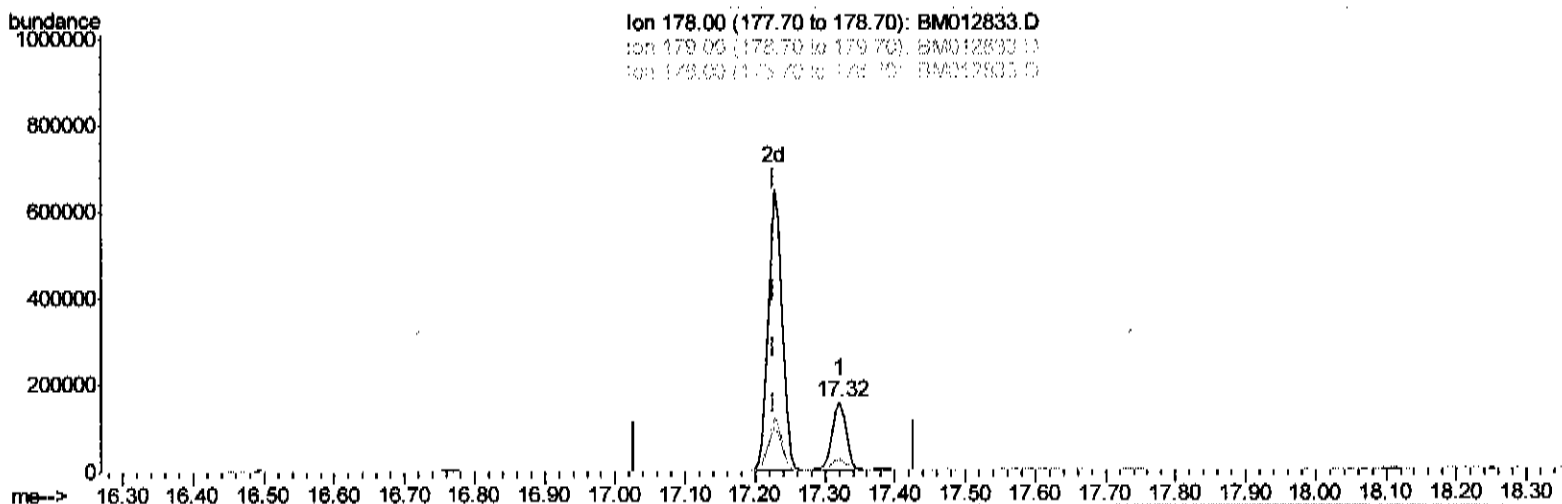
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TIC: BM012833.D

(69) Phenanthrene

17.321min (+0.094) 4.56ng/ul

response 215209

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.06
176.00	19.50	18.12
0.00	0.00	0.00

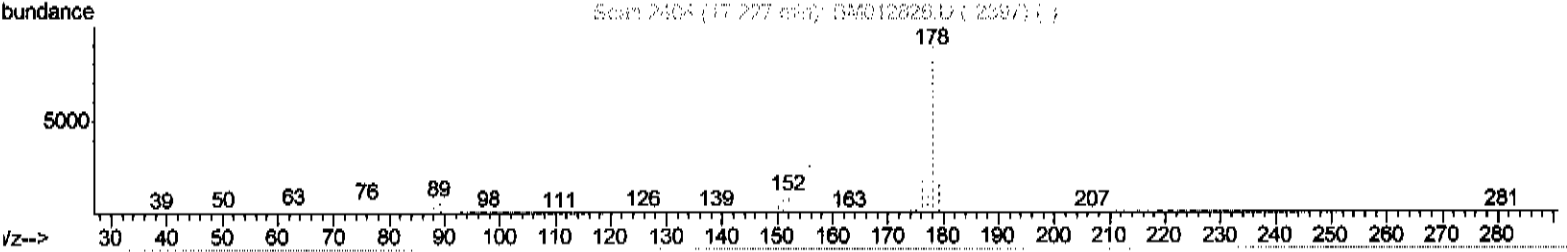
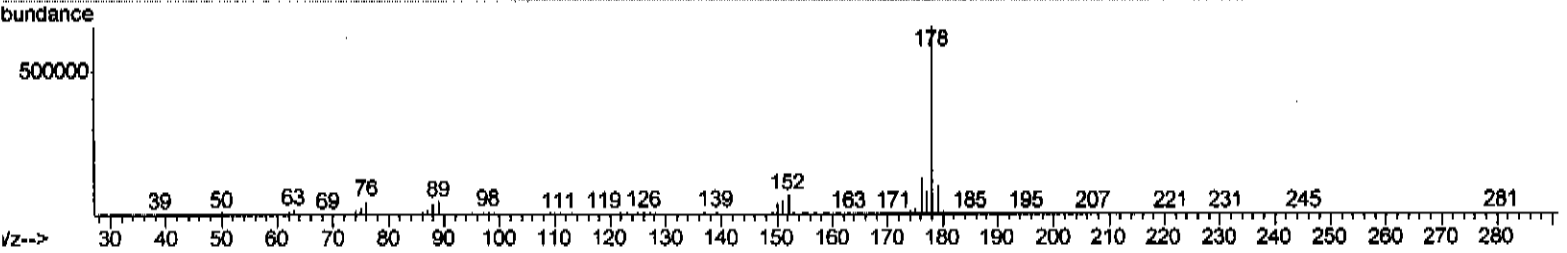
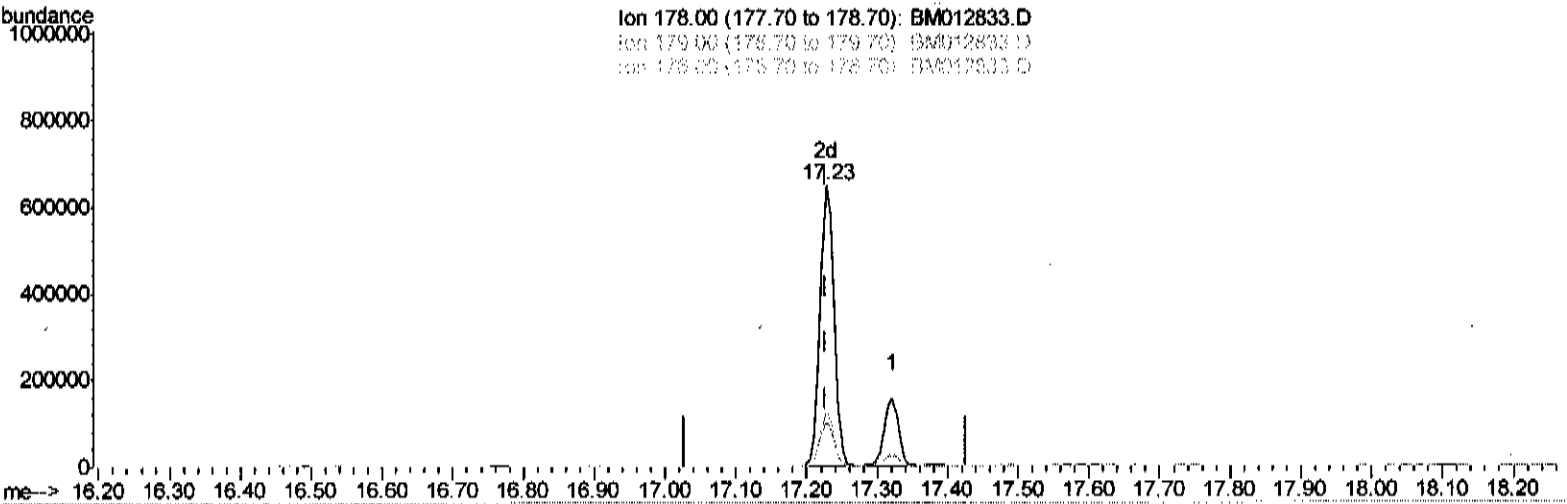
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TIC: BM012833.D

(69) Phenanthrene

17.227min (+0.000) 18.98ng/ul m

5011/13/17

response 896283

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.41
176.00	19.50	18.97
0.00	0.00	0.00

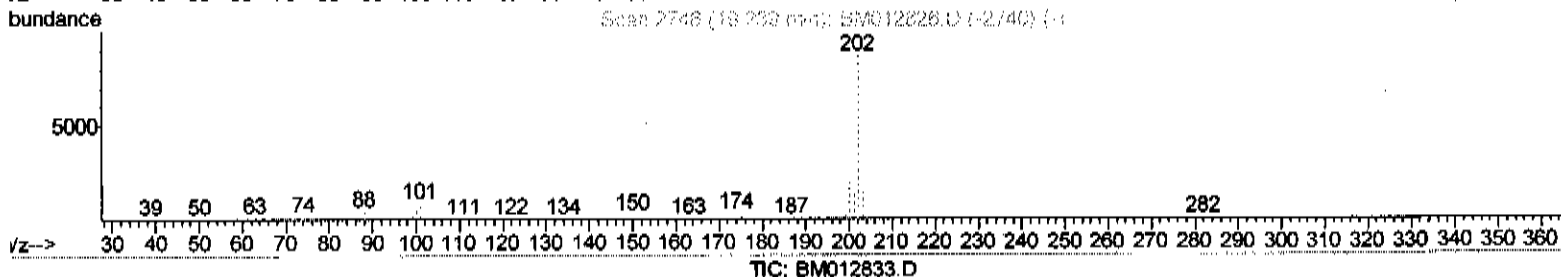
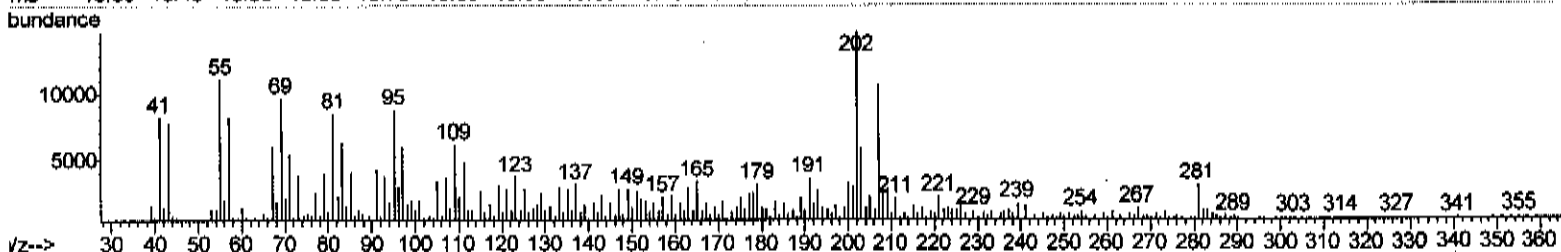
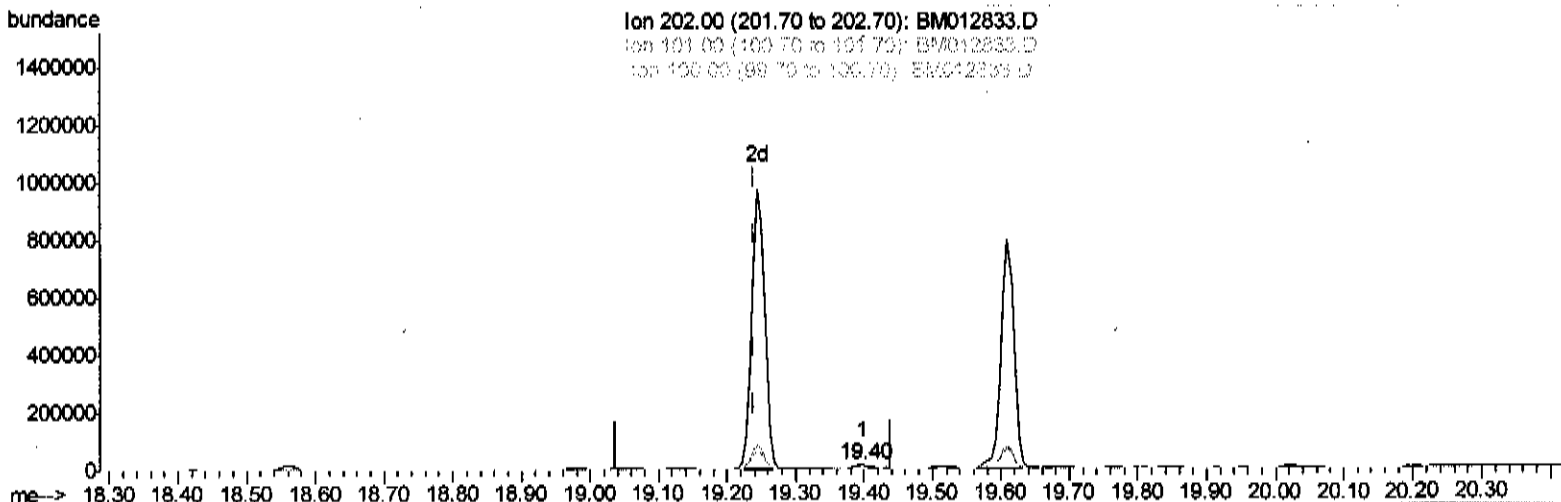
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(76) Fluoranthene (C)

19.398min (+0.159) 0.31ng/ul

response 17646

Ion	Exp%	Act%
202.00	100	100
101.00	11.00	11.90
100.00	8.20	7.90
0.00	0.00	0.00

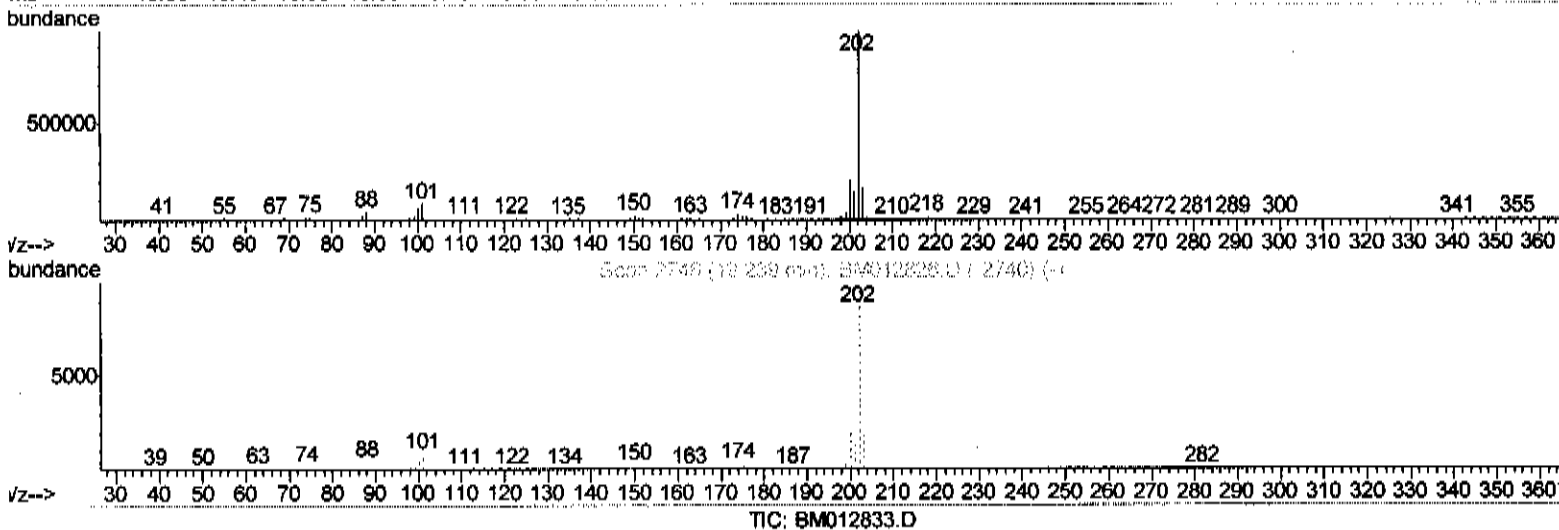
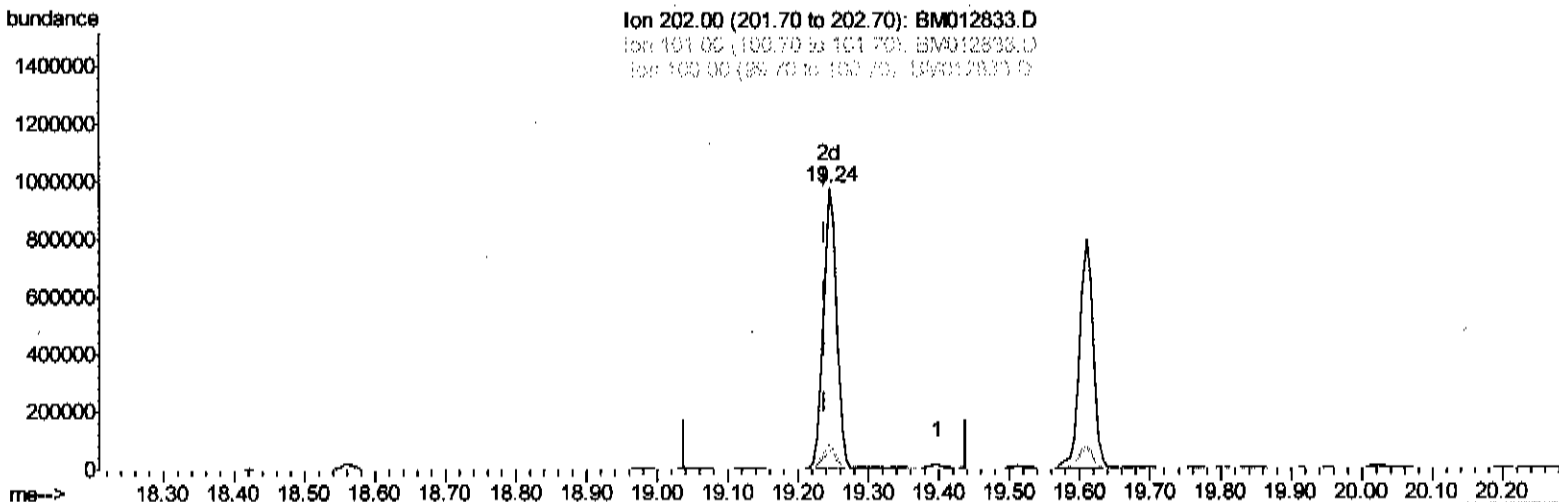
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 Data File : BM012833.D
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 Operator : SJ/JU
 Sample : I6032-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 Response via : Initial Calibration



(76) Fluoranthene (C)

19.245min (+0.006) 22.67ng/ul m

5011/3/17

response 1286235

Ion	Exp%	Act%
202.00	100	100
101.00	11.00	8.63#
100.00	8.20	6.55#
0.00	0.00	0.00

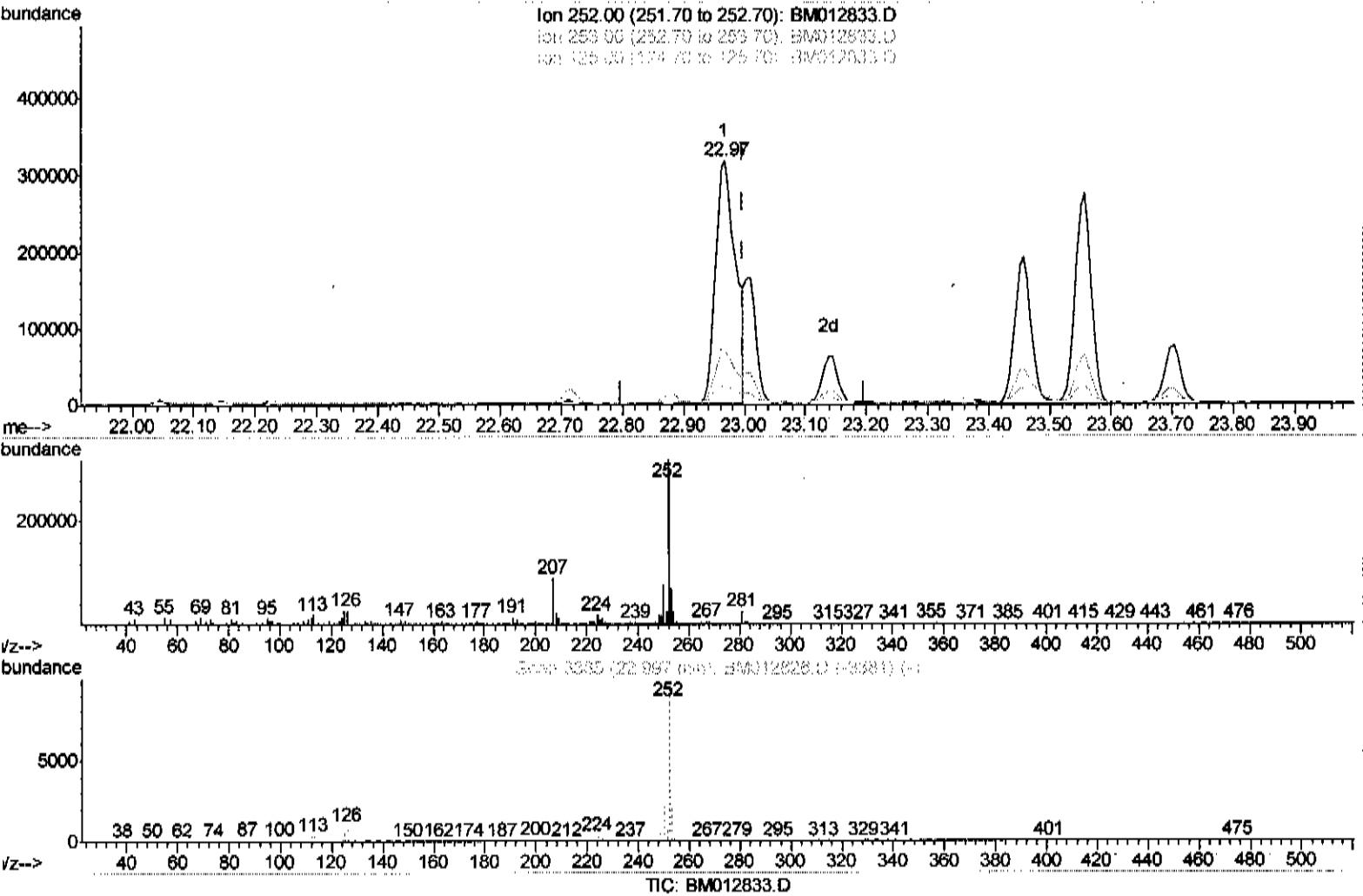
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 Sample : I6032-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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 Response via : Initial Calibration



(88) Benzo(k)fluoranthene
 22.968min (-0.029) 16.72ng/ul

response 741896

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.28
125.00	10.20	8.18
0.00	0.00	0.00

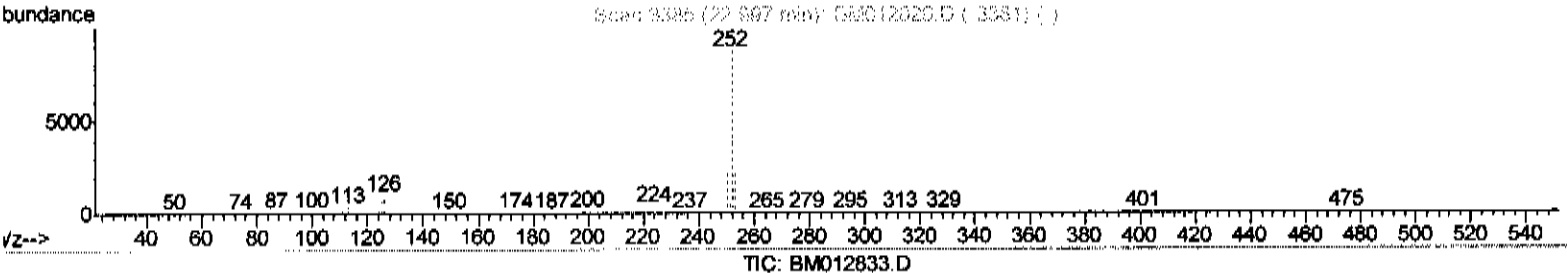
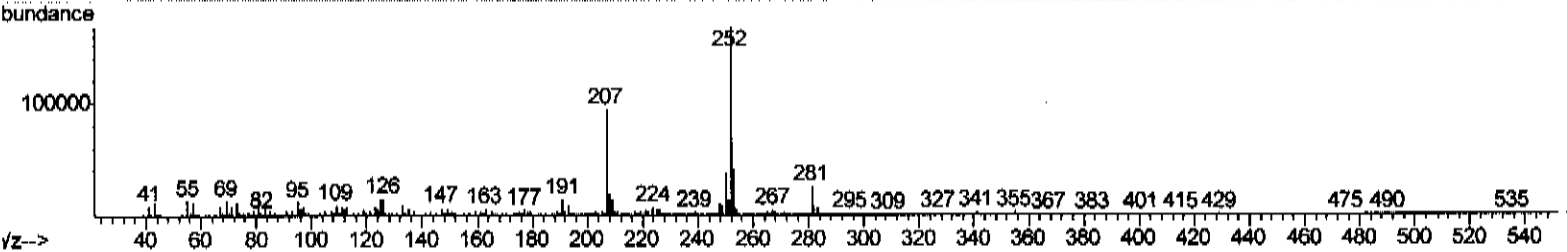
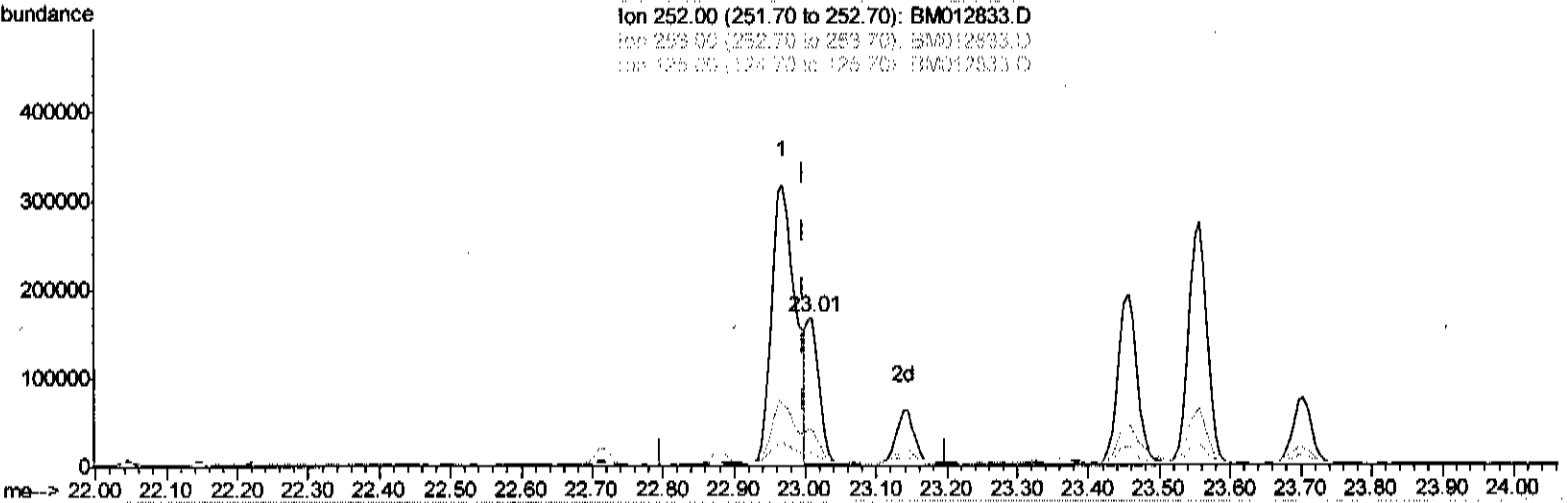
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 Sample : I6032-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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Manual Integrations
 APPROVED

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(88) Benzo(k)fluoranthene

23.009min (+0.012) 4.72ng/ul m *SJ 11/13/17*

response 209581

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	24.94
125.00	10.20	8.76
0.00	0.00	0.00

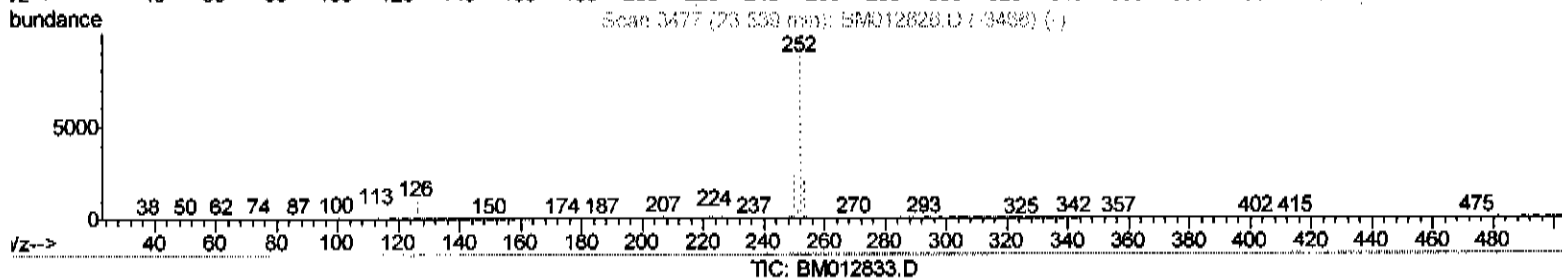
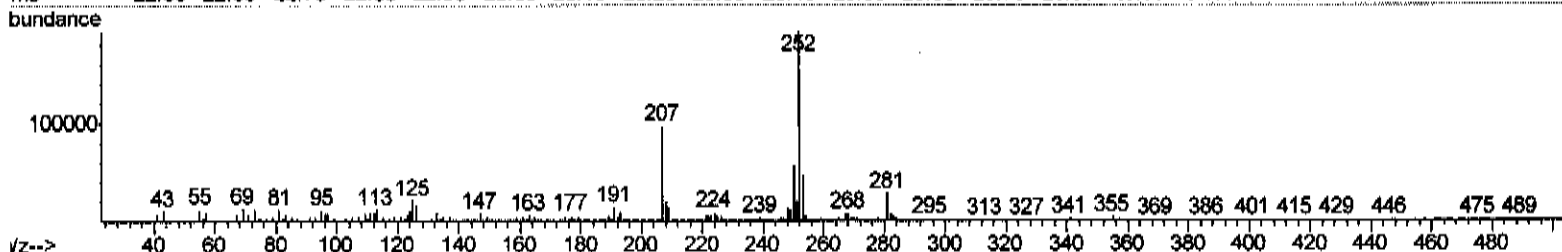
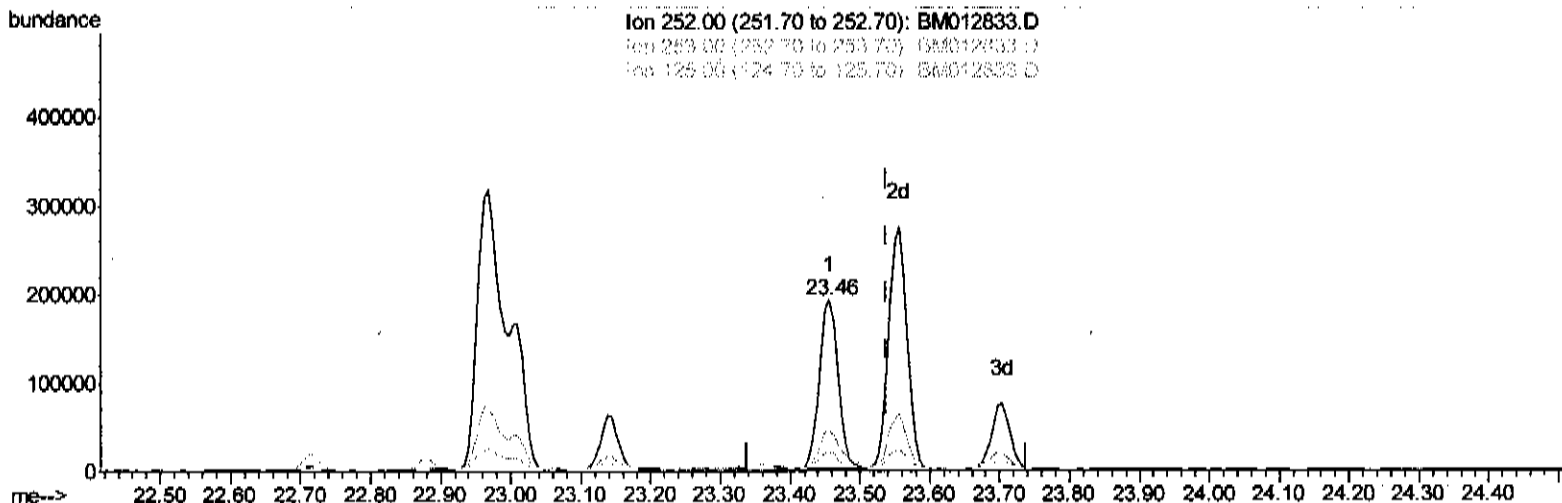
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 Sample : I6032-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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Manual Integrations
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(90) Benzo(a)pyrene (C)

23.456min (-0.082) 8.06ng/ul

response 357752

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	24.25
125.00	11.30	10.91
0.00	0.00	0.00

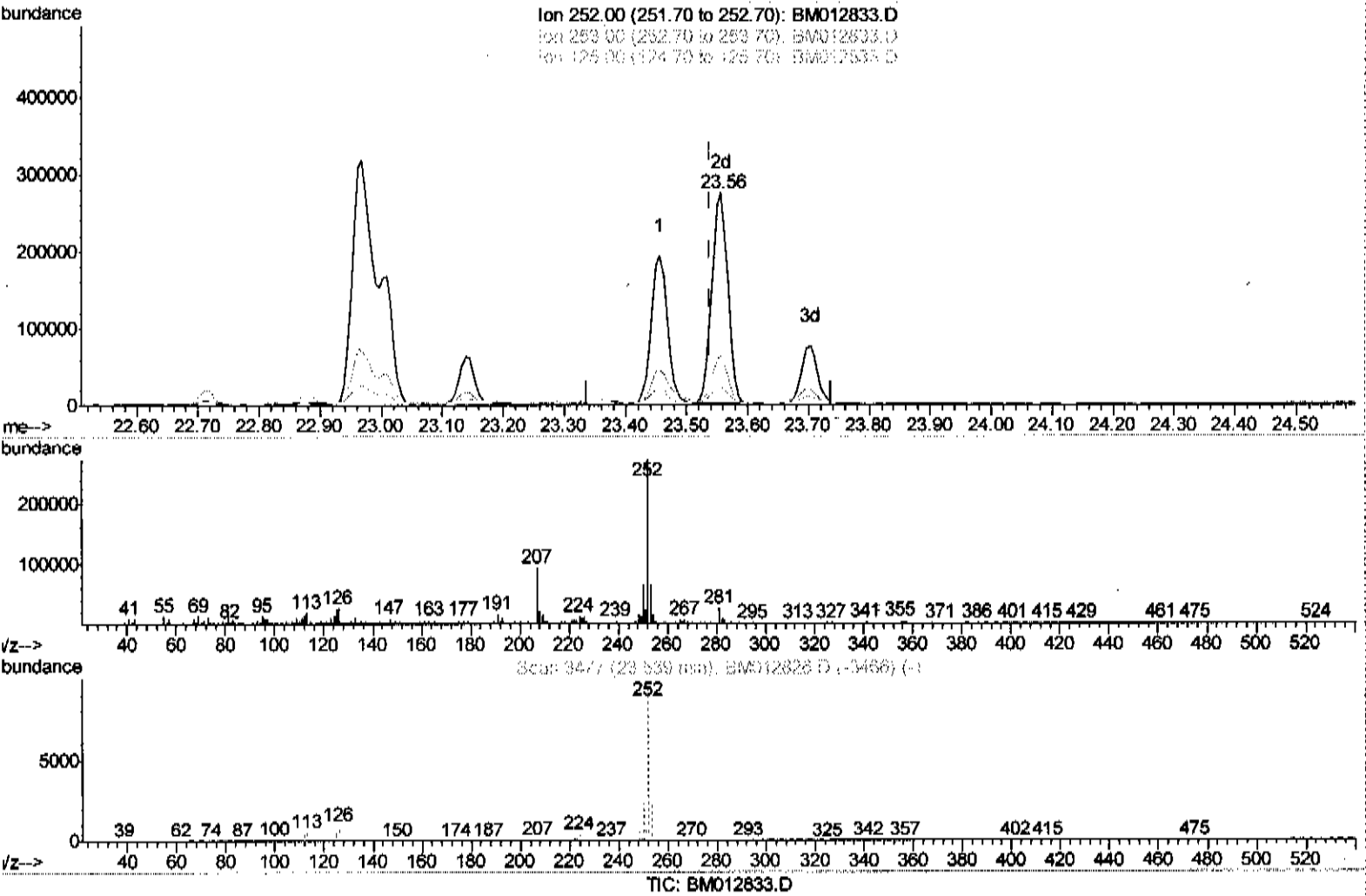
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(90) Benzo(a)pyrene (C)

23.556min (+0.018) 11.14ng/ul m

SJ 11/13/17

response 494581

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.79
125.00	11.30	8.69#
0.00	0.00	0.00

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 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	161604	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	662418	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	402330	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	863957m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	722215	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	763772	20.00	ng/ul	0.01

10/11/13/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.29	96	13202	4.41	ng/uL	0.00
5) Phenol-d5	6.98	99	320307	26.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	184757	28.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	284639	28.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	278255	26.81	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	142913	29.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	163954	29.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	316526	27.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	302465	27.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1018669	30.60	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1209587	29.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	114150	21.40	ng/ul	0.01
57) Fluorene-d10	15.43	176	858981	30.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	62862	11.02	ng/ul	0.01
70) Anthracene-d10	17.29	188	1297856	31.09	ng/ul	0.00
78) Pyrene-d10	19.58	212	1247939	37.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	1204950	33.37	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Phenol	7.00	94	33581	2.72	ng/ul	97
28) Naphthalene	10.64	128	231864	7.00	ng/ul	98
34) 2-Methylnaphthalene	12.25	142	52778	2.09	ng/ul	98
44) Dimethylphthalate	13.90	163	278671	8.43	ng/ul#	99
69) Phenanthrene	17.23	178	896283m	18.98	ng/ul	99
71) Anthracene	17.32	178	214536	4.38	ng/ul	98
75) Di-n-butylphthalate	18.15	149	260869	5.45	ng/ul	99
76) Fluoranthene	19.24	202	1286235m	22.67	ng/ul	99
79) Pvrene	19.61	202	1054079	24.46	ng/ul#	93
82) Benzo(a)anthracene	21.35	228	559067	12.79	ng/ul	98
84) Chrysene	21.40	228	515278	13.01	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	741896	15.89	ng/ul#	97
88) Benzo(k)fluoranthene	23.01	252	209581m	4.72	ng/ul	97
90) Benzo(a)pyrene	23.56	252	494581m	11.14	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.97	276	396896	7.41	ng/ul#	87
92) Dibenzo(a,h)anthracene	25.97	278	105671	2.33	ng/ul#	93
93) Benzo(g,h,i)perylene	26.68	276	338592	7.68	ng/ul#	90

10/11/13/17

10/11/13/17

10/11/13/17

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