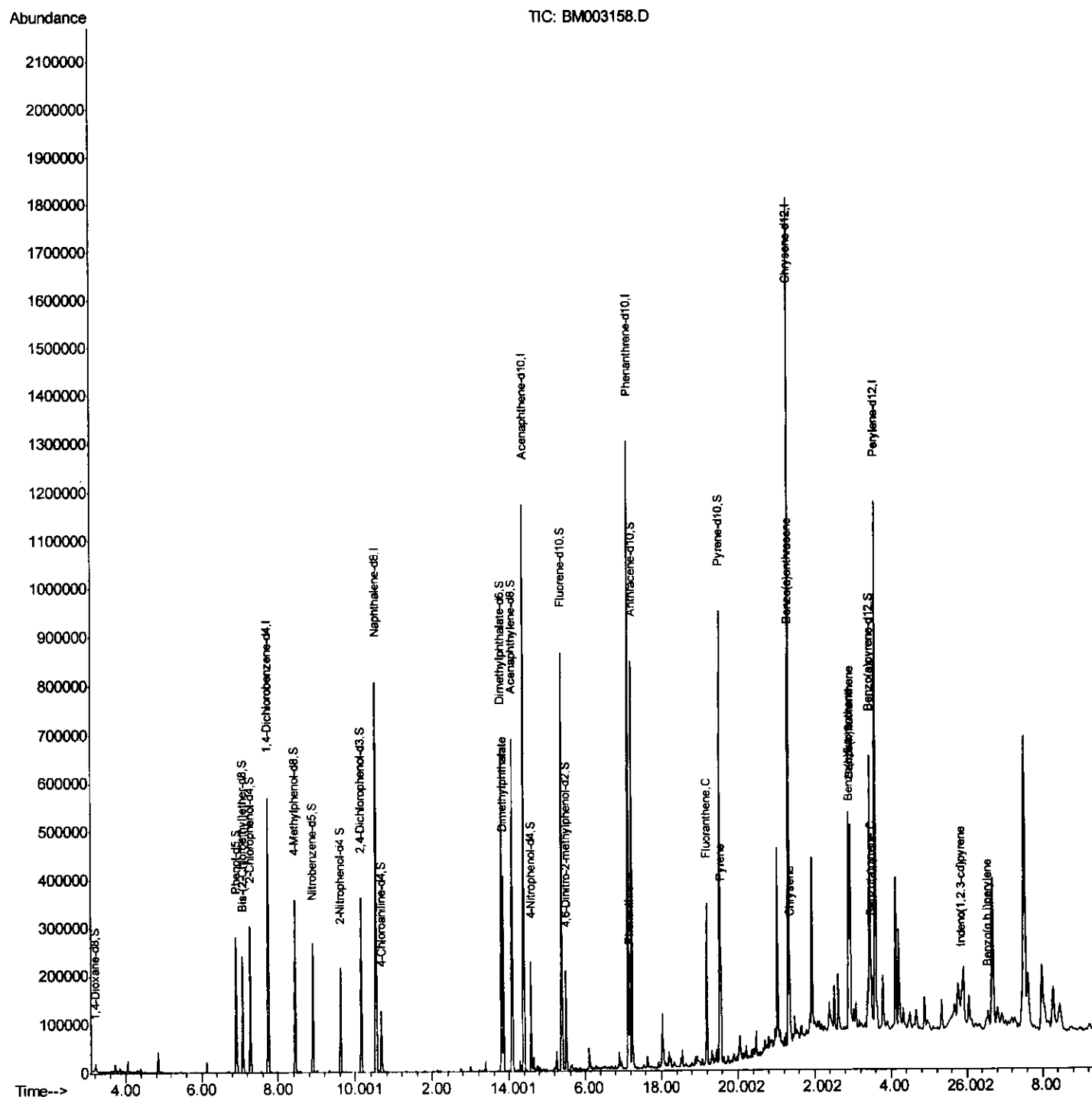


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\
Data File : BM003158.D
Acq On : 17 Nov 2015 00:26
Operator : UM/IZ
Sample : G4323-27
Misc :
ALS Vial : 18 Sample Multiplier: 1

Manual Integrations
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mmdadoda
11/17/2015 5:57:46 PM

Quant Time: Nov 17 03:01:14 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 17 02:43:56 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

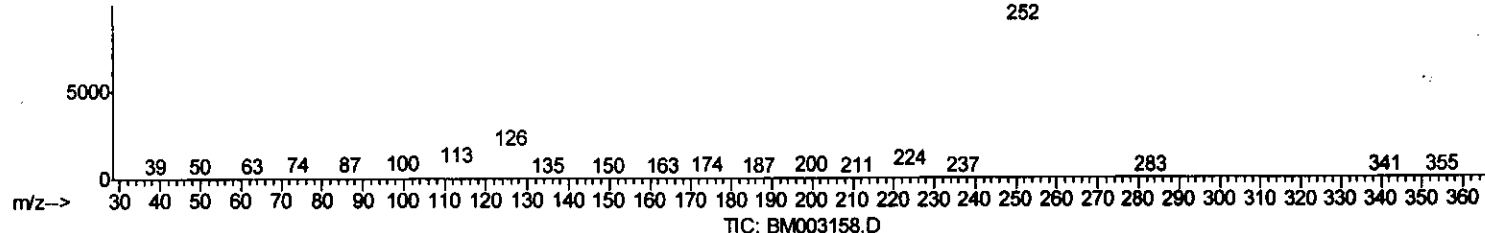
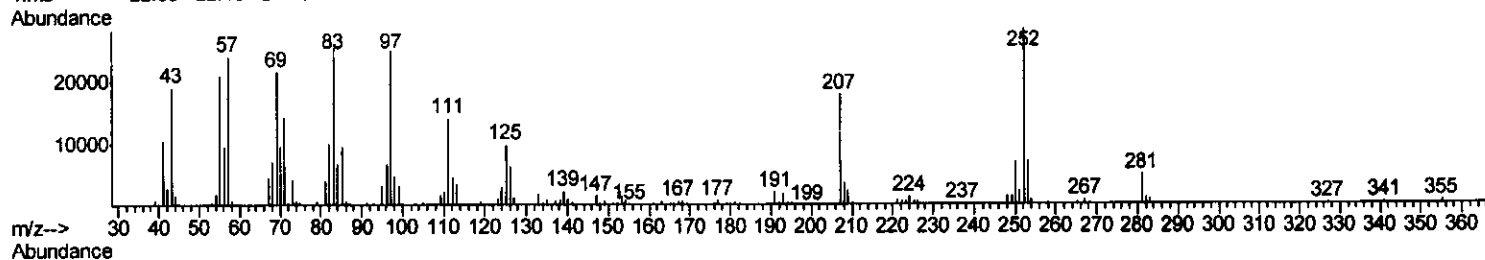
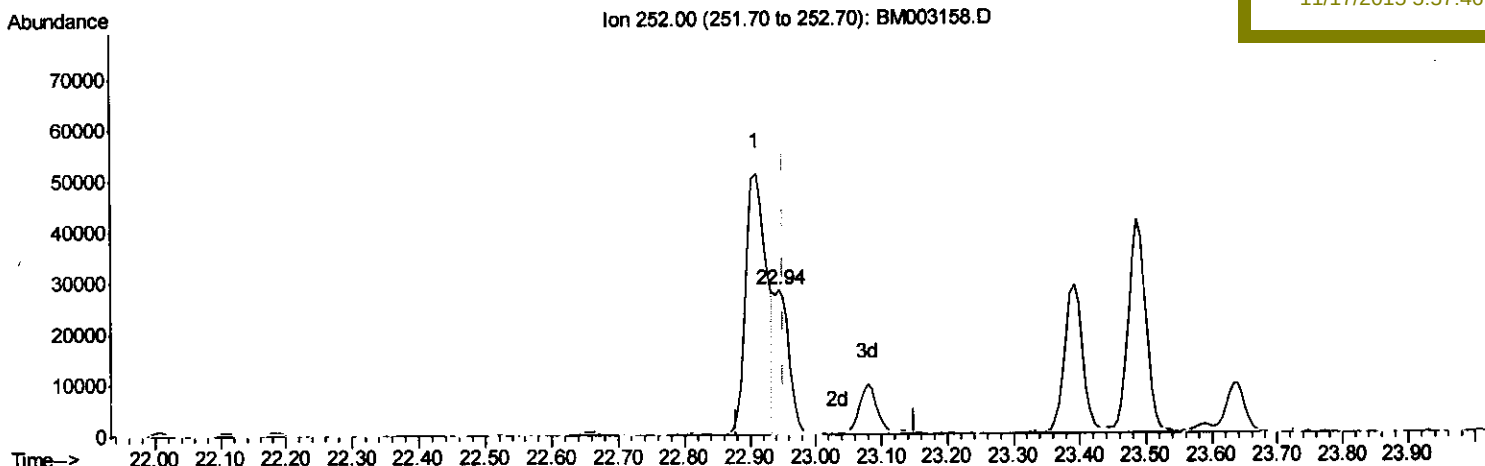
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\
 Data File : BM003158.D
 Acq On : 17 Nov 2015 00:26
 Operator : UM/IZ
 Sample : G4323-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J47

Quant Time: Nov 17 02:48:19 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 17 02:43:56 2015
 Response via : Initial Calibration

Manual Integrations
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(89) Benzo(k)fluoranthene

22.944min (-0.006) 1.10ng/ul m U.M

response 45809

Ion Exp% Act%

252.00 100 100

253.00 21.70 25.41

125.00 13.90 35.00#

0.00 0.00 0.00

U.M
 11/18/15

Quantitation Report (Qedit)

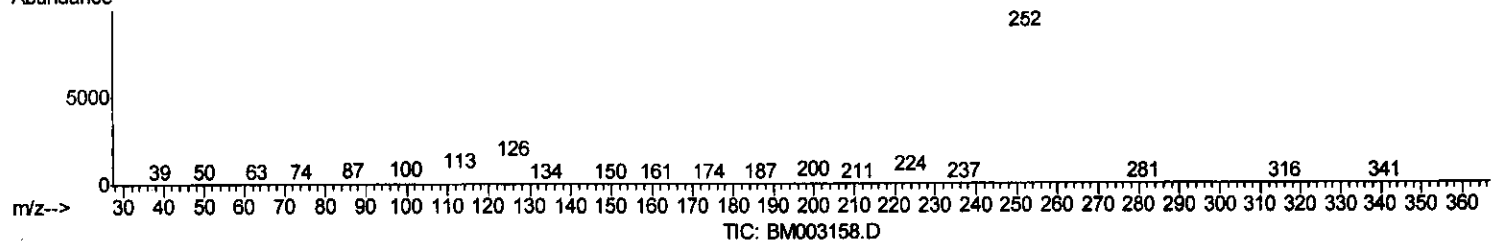
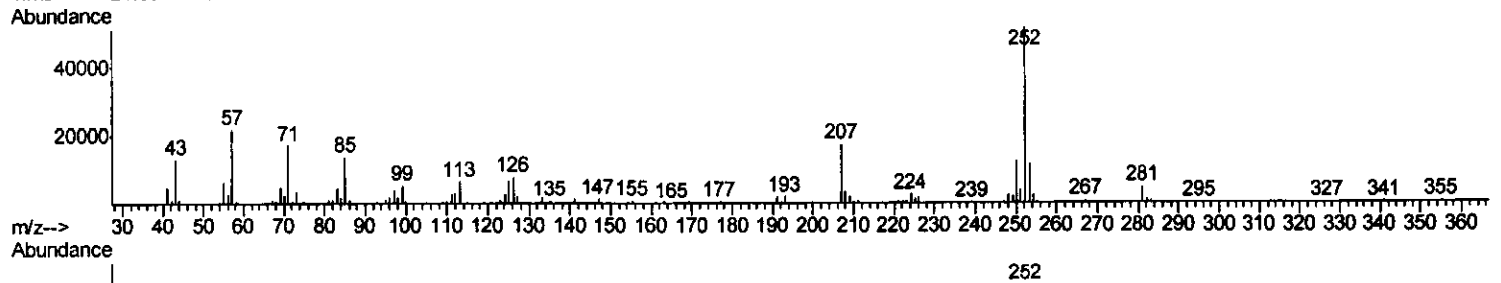
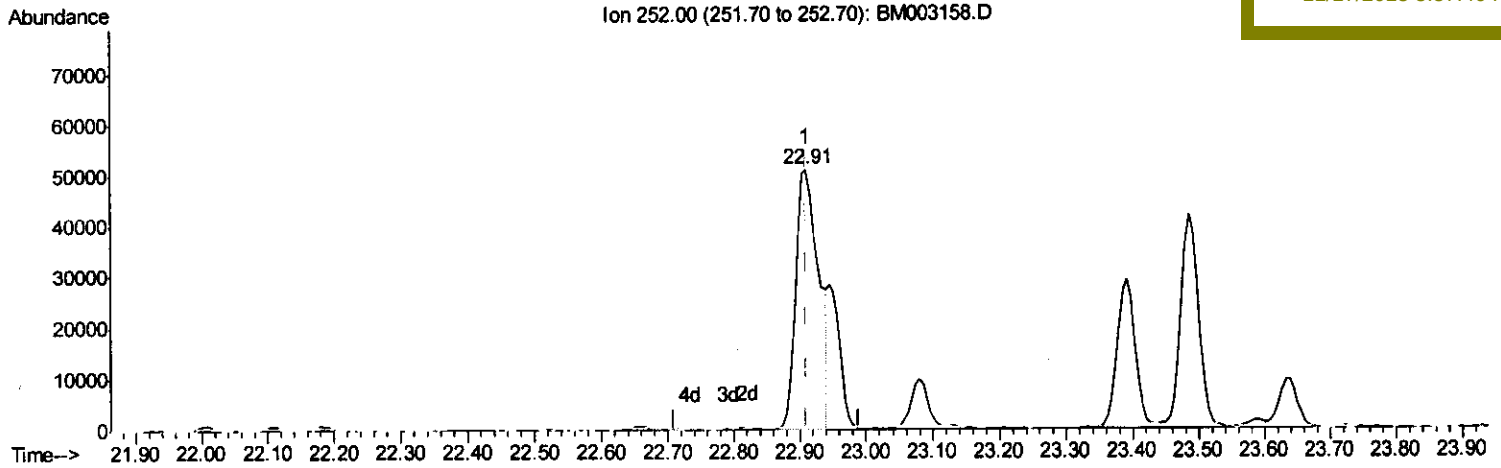
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\
 Data File : BM003158.D
 Acq On : 17 Nov 2015 00:26
 Operator : UM/IZ
 Sample : G4323-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J47

Quant Time: Nov 17 02:48:19 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 17 02:43:56 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mmdadoda
 11/17/2015 5:57:46 PM



(88) Benzo(b)fluoranthene

22.909min (-0.000) 2.74ng/ul

response 122244

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.06
125.00	13.40	13.62
0.00	0.00	0.00

Quantitation Report (Qedit)

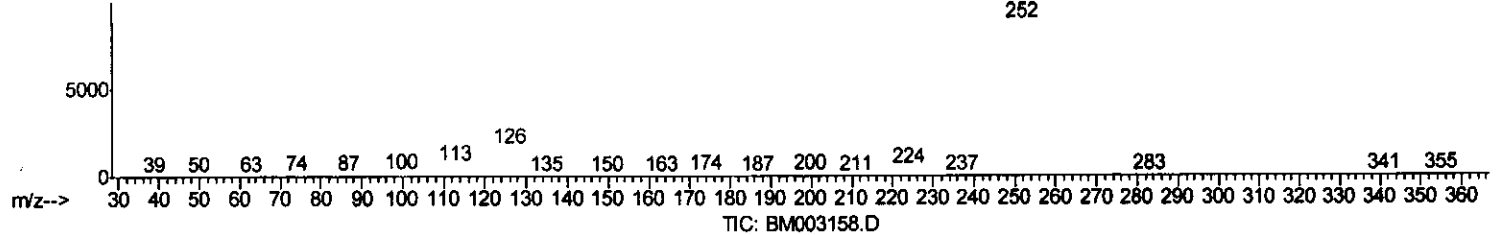
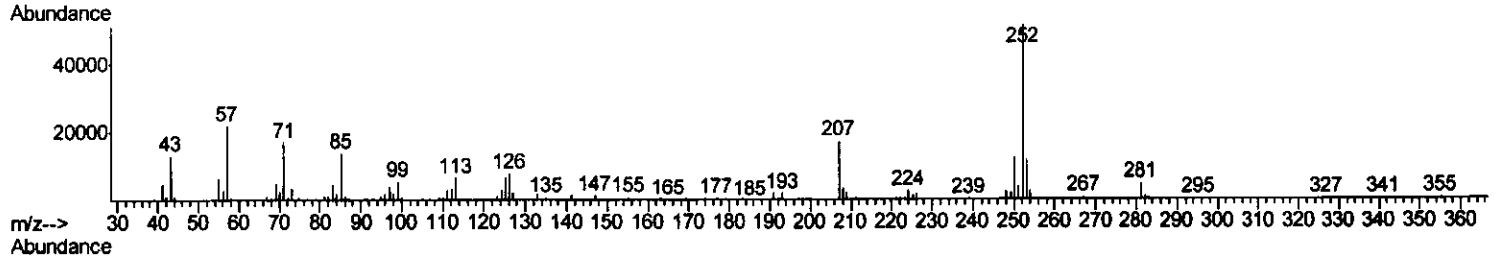
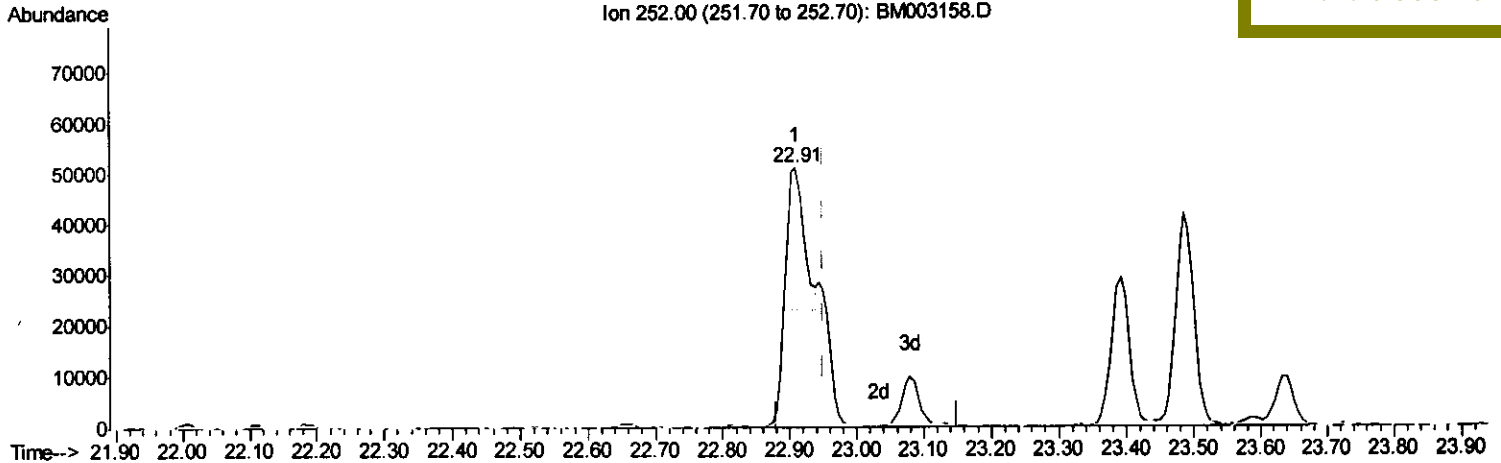
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\
 Data File : BM003158.D
 Acq On : 17 Nov 2015 00:26
 Operator : UM/IZ
 Sample : G4323-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J47

Quant Time: Nov 17 02:48:19 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 17 02:43:56 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mmdadoda
 11/17/2015 5:57:46 PM



(89) Benzo(k)fluoranthene

22.909min (-0.041) 1.09ng/ul

response 45160

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.06
125.00	13.90	13.62
0.00	0.00	0.00

Quantitation Report (Qedit)

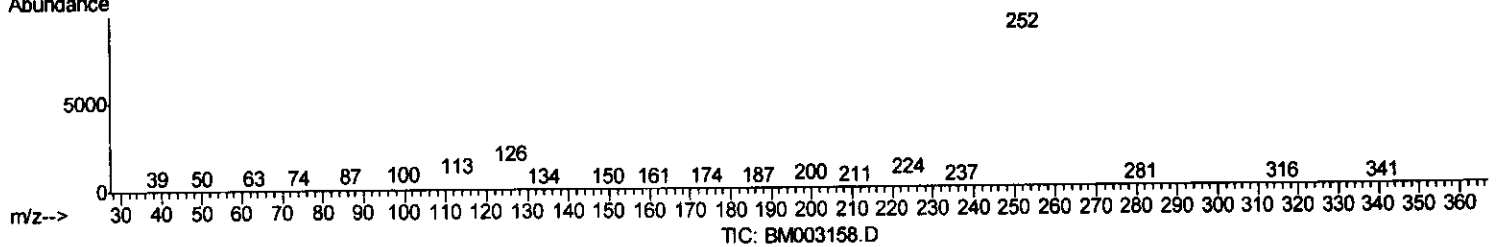
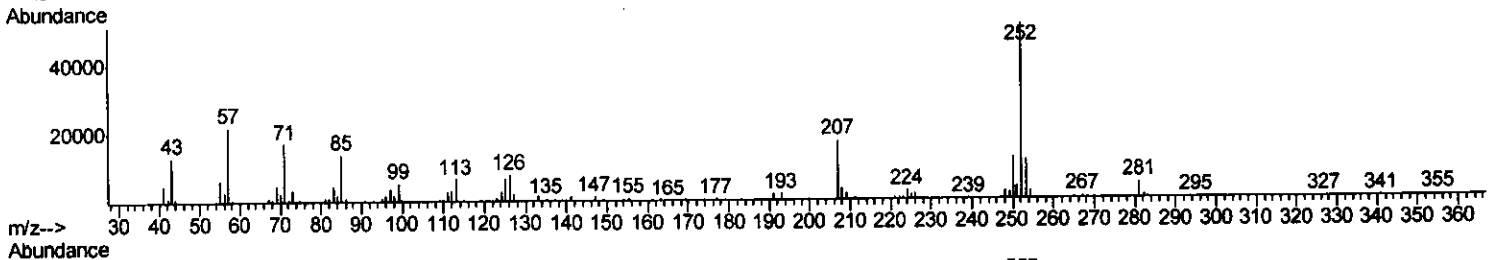
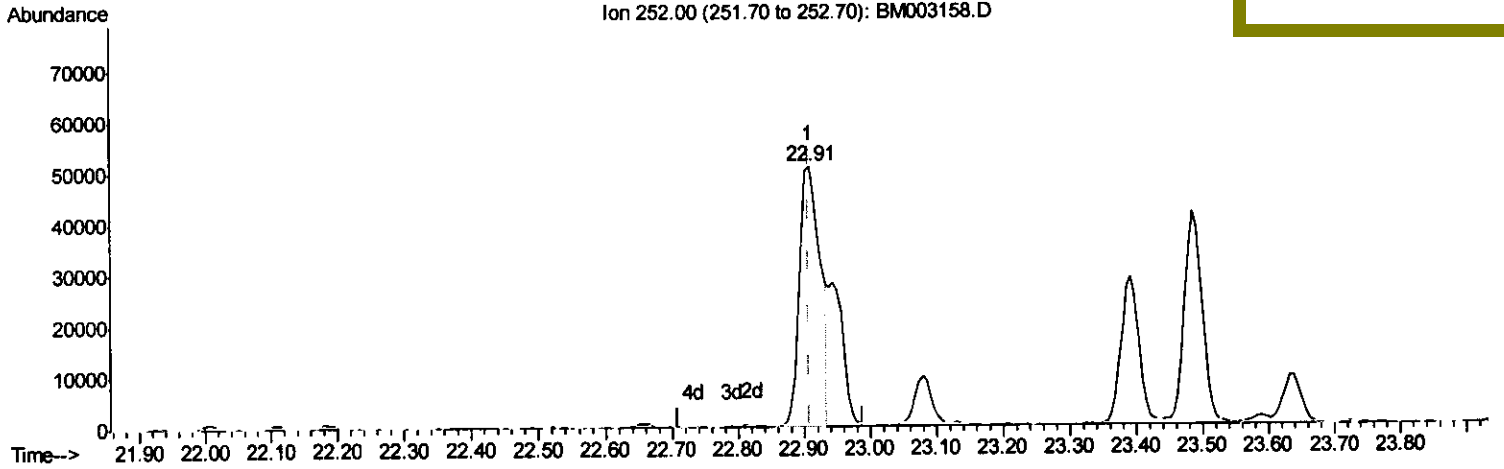
Data Path : Z:\HPCHEM1\BNA M\Data\BM111715\
 Data File : BM003158.D
 Acq On : 17 Nov 2015 00:26
 Operator : UM/IZ
 Sample : G4323-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J47

Quant Time: Nov 17 03:01:14 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 17 02:43:56 2015
 Response via : Initial Calibration

Manual Integrations
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(88) Benzo(b)fluoranthene

22.909min (-0.000) 2.53ng/ul m U.M
11/18/15

response 112619

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.06
125.00	13.40	13.62
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\
 Data File : BM003158.D
 Acq On : 17 Nov 2015 00:26
 Operator : UM/IZ
 Sample : G4323-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J47

Quant Time: Nov 17 03:01:14 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 17 02:43:56 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	156586	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	702392	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.39	164	390336	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.13	188	790433	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	770123	20.00	ng/ul	0.00
86) Perylene-d12	23.59	264	774000	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	8786	2.65	ng/uL	0.00
5) Phenol-d5	6.90	99	168894	13.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	100931	13.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	147600	14.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	135551	13.58	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	70408	16.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	76525	17.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	138701	14.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	76831	6.10	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	454531	15.48	ng/ul	0.00
47) Acenaphthylene-d8	14.08	160	494604	13.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.58	143	58763	11.87	ng/ul	0.00
58) Fluorene-d10	15.39	176	351562	13.85	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.50	200	45322	12.38	ng/ul	0.00
71) Anthracene-d10	17.23	188	459691	13.12	ng/ul	0.00
79) Pyrene-d10	19.53	212	439482	11.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	403114	10.96	ng/ul	0.00

Target Compounds

						Ovalue
45) Dimethylphthalate	13.84	163	262453	8.77	ng/ul	99
70) Phenanthrene	17.18	178	99234	2.22	ng/ul	99
77) Fluoranthene	19.20	202	196053	4.33	ng/ul	95
80) Pyrene	19.56	202	172535	3.42	ng/ul#	92
83) Benzo(a)anthracene	21.31	228	76699	1.81	ng/ul	94
85) Chrysene	21.36	228	87813	2.10	ng/ul	98
88) Benzo(b)fluoranthene	22.91	252	112619m	2.53	ng/ul	
89) Benzo(k)fluoranthene	22.94	252	45809m	1.10	ng/ul	
91) Benzo(a)pyrene	23.49	252	77129	1.83	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.86	276	60036	1.29	ng/ul#	89
94) Benzo(a,h,i)perylene	26.57	276	47682	1.14	ng/ul	95

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