

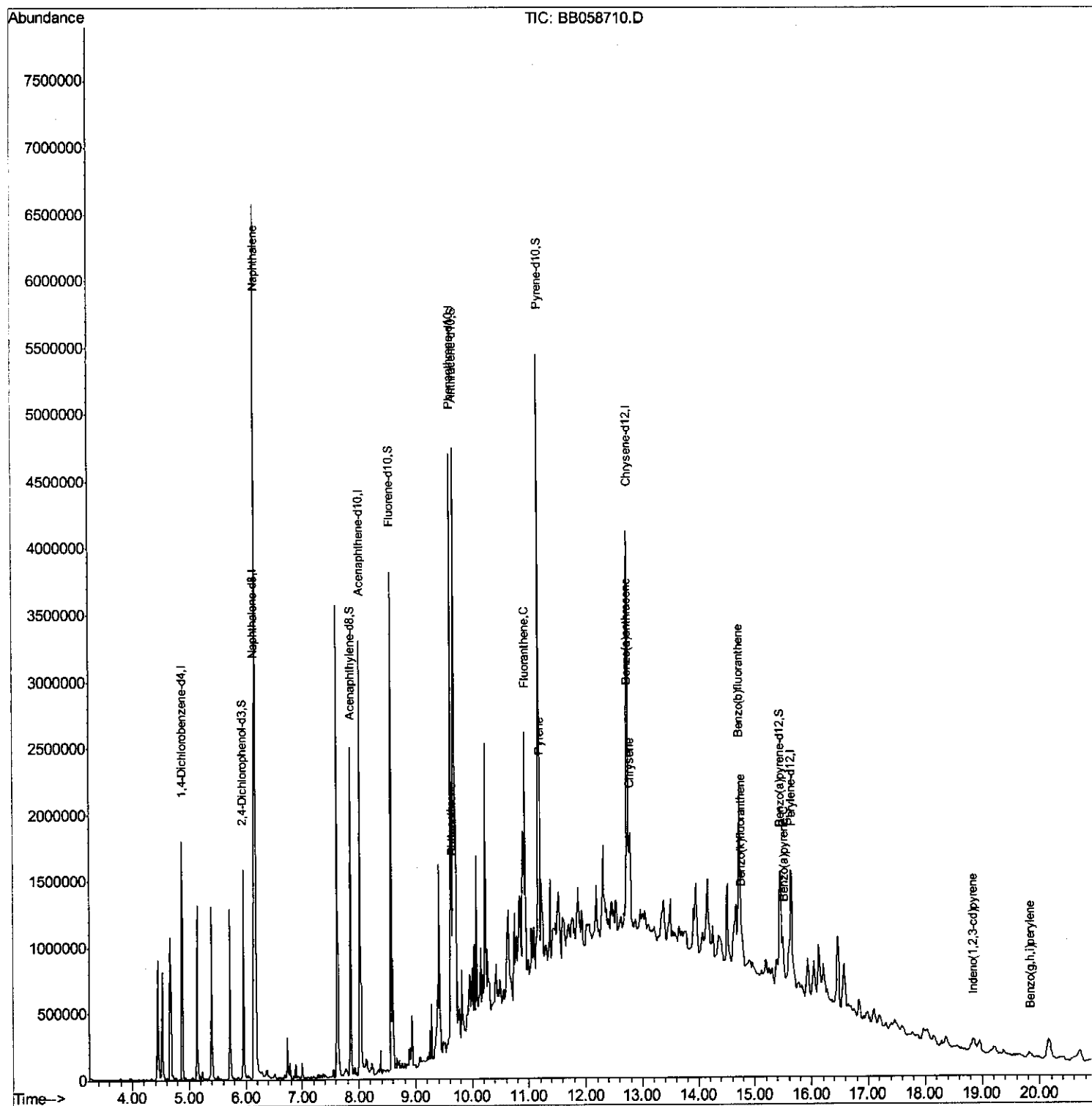
Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058710.D
Acq On : 9 Mar 2017 15:15
Operator : UM/SJ
Sample : I2107-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_B
Client Sampled :
C0AJ3

Manual Integrations
APPROVED

mohammad
3/15/2017 5:08:52 PM

Quant Time: Mar 15 14:36:53 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration



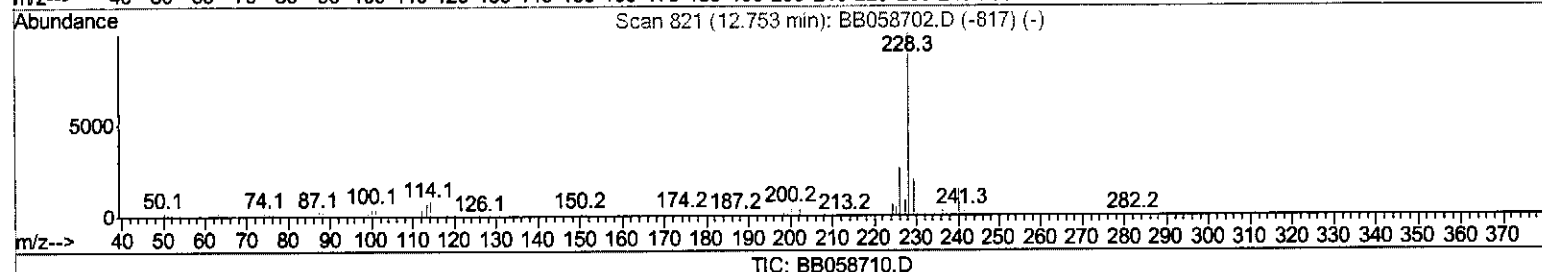
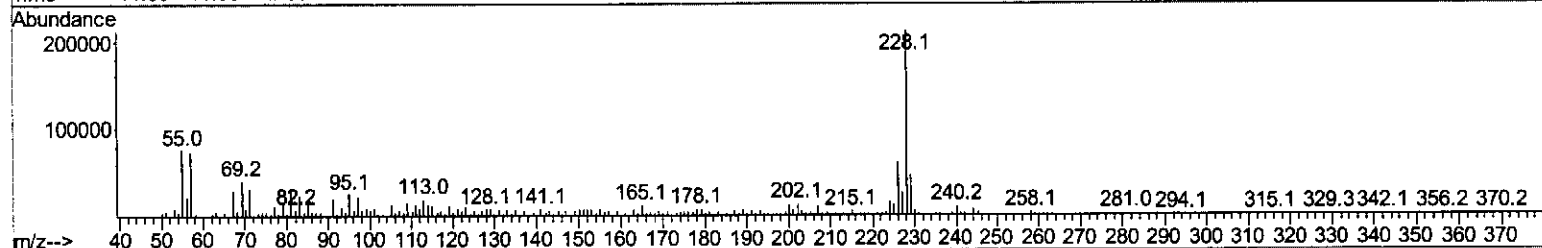
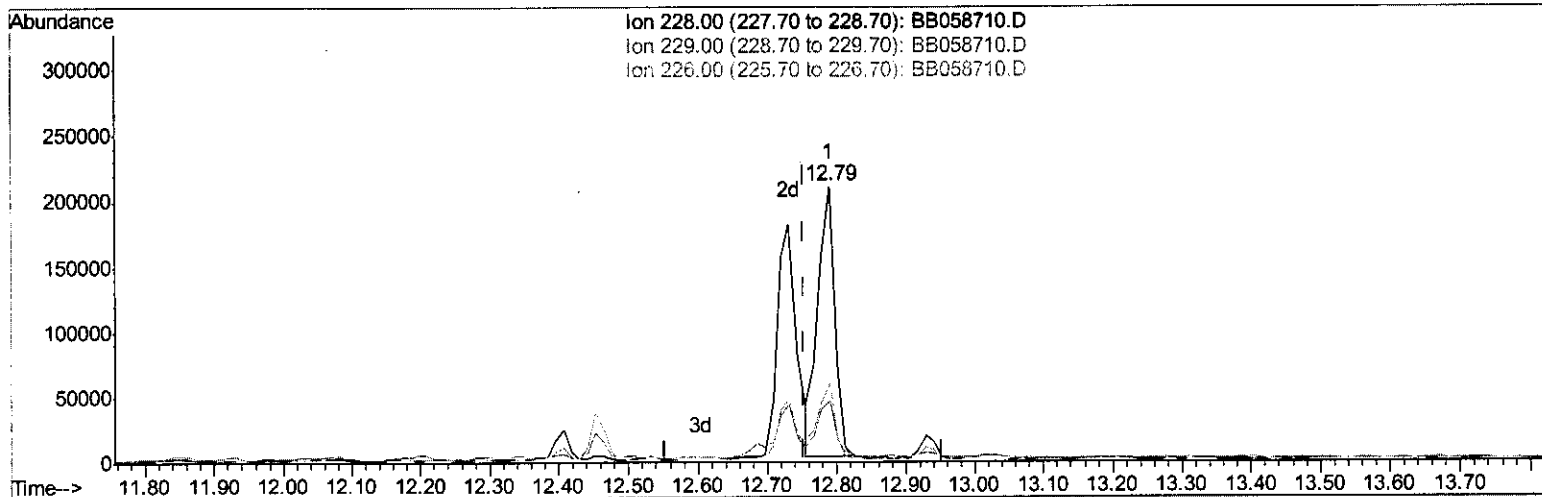
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TIC: BB058710.D

(21) Benzo(a)anthracene

12.790min (+0.037) 4.24ng/ul

response 348332

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	22.41
226.00	26.30	28.76
0.00	0.00	0.00

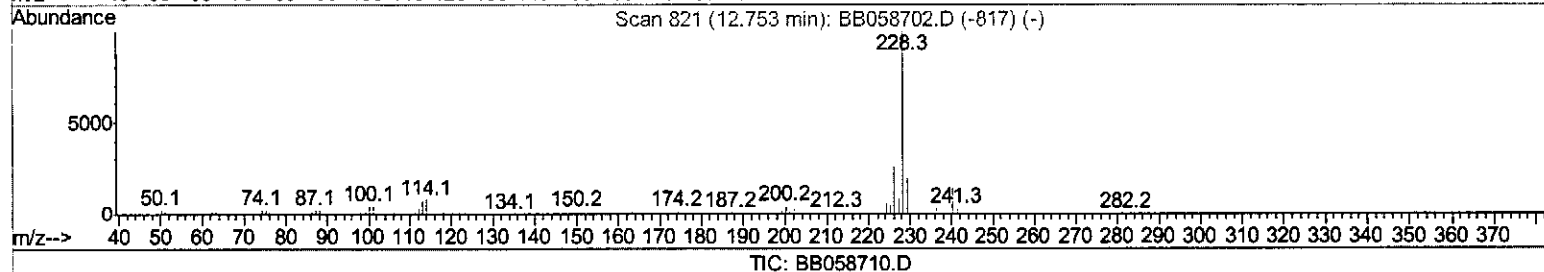
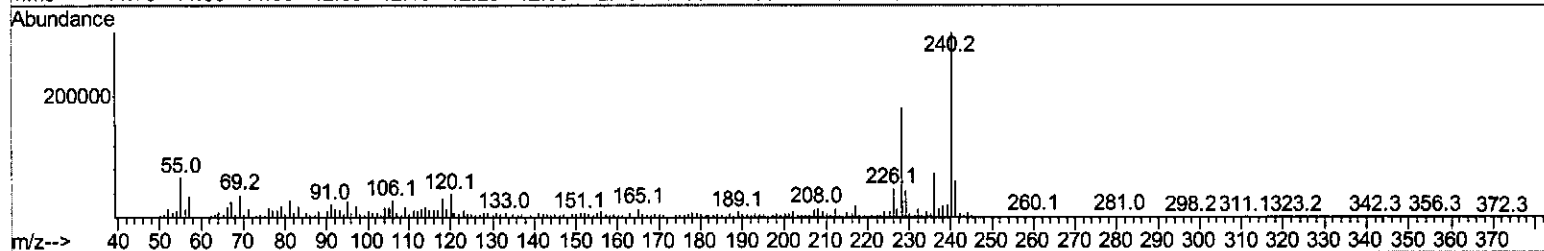
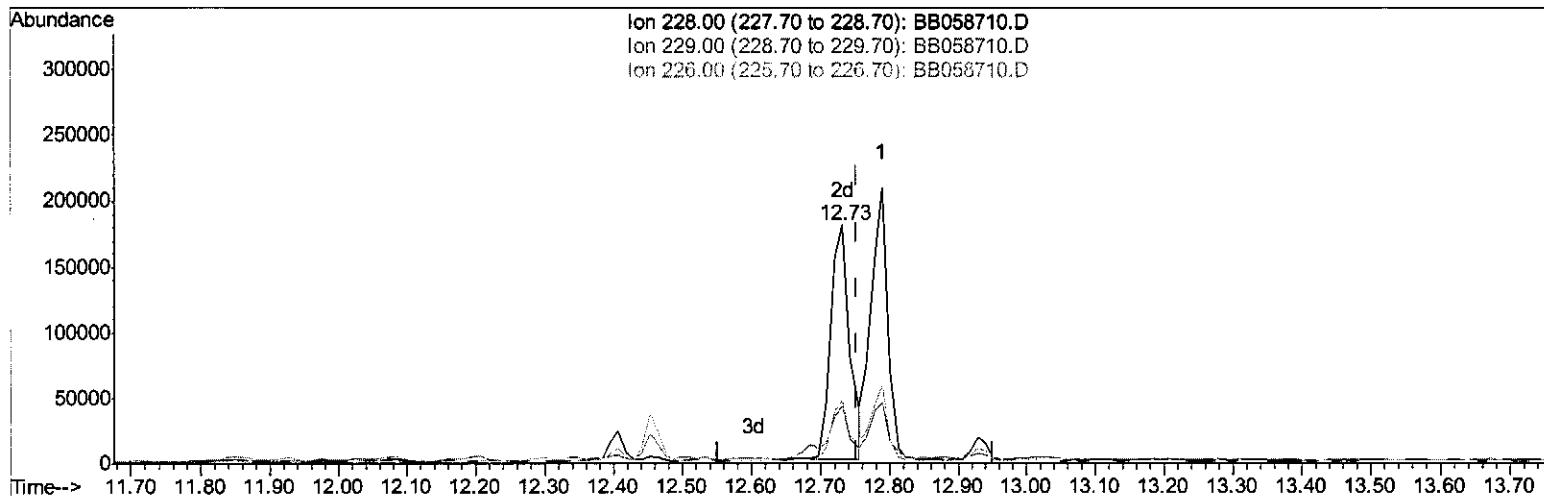
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(21) Benzo(a)anthracene

12.732min (-0.021) 4.21ng/ul m 53 3/15/17

response 346112

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	24.05#
226.00	26.30	26.51
0.00	0.00	0.00

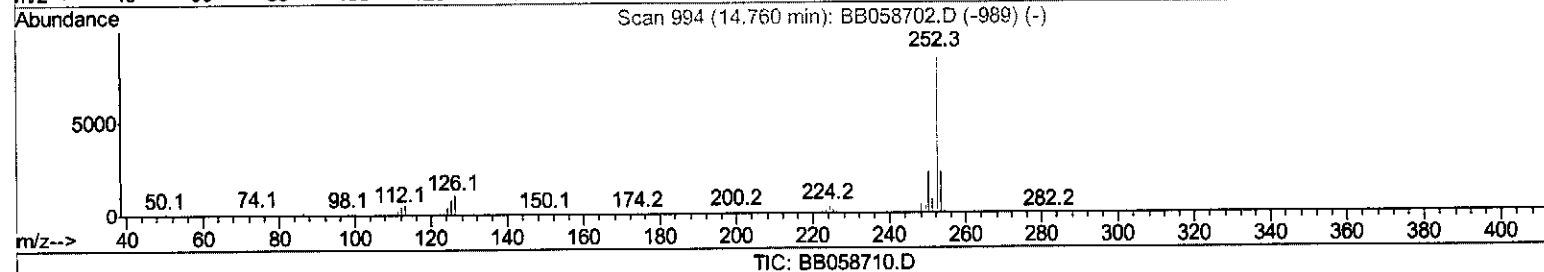
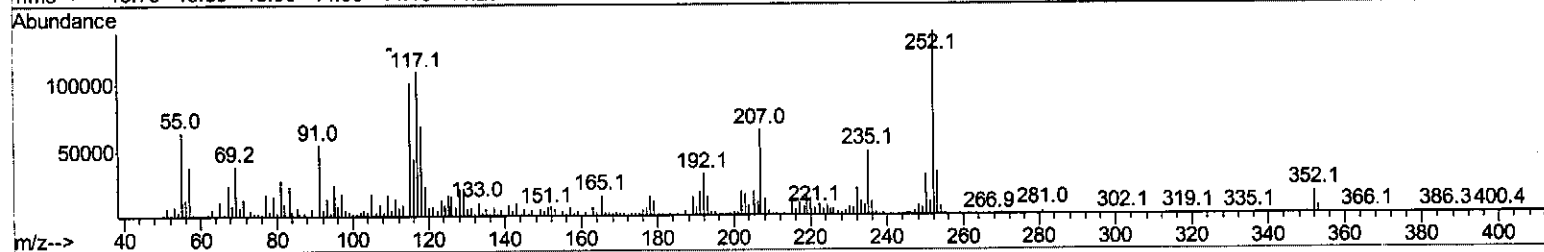
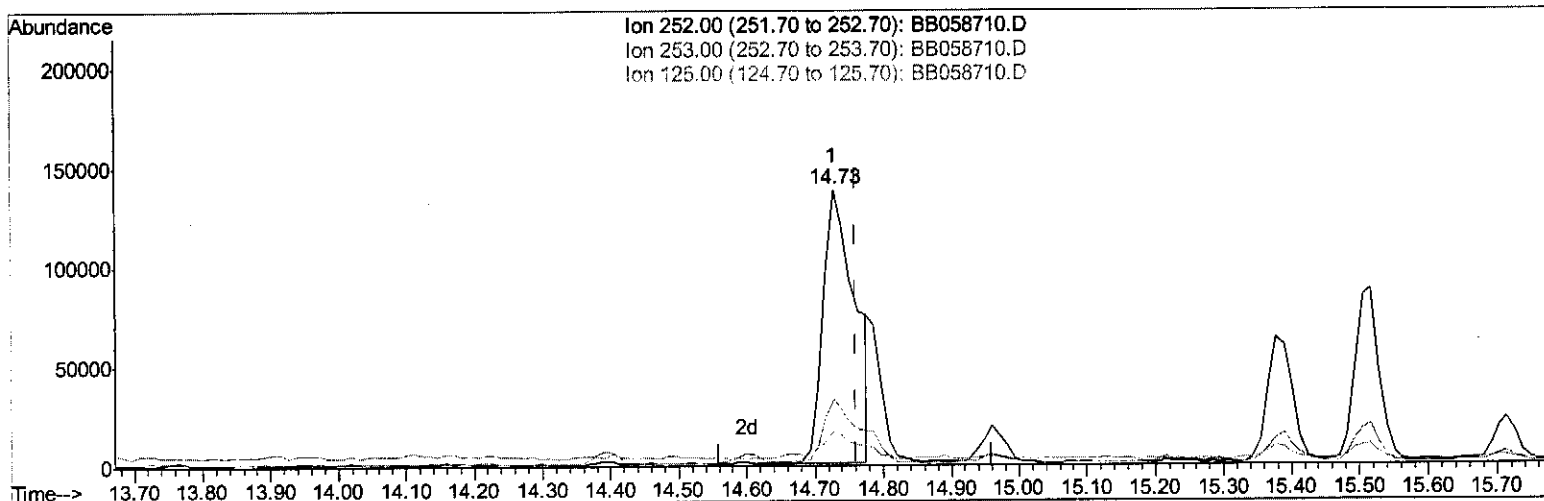
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Instrument :
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ClientSampled :
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(24) Benzo(b)fluoranthene

14.728min (-0.033) 8.61ng/ul

response 444538

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.98
125.00	8.00	12.12#
0.00	0.00	0.00

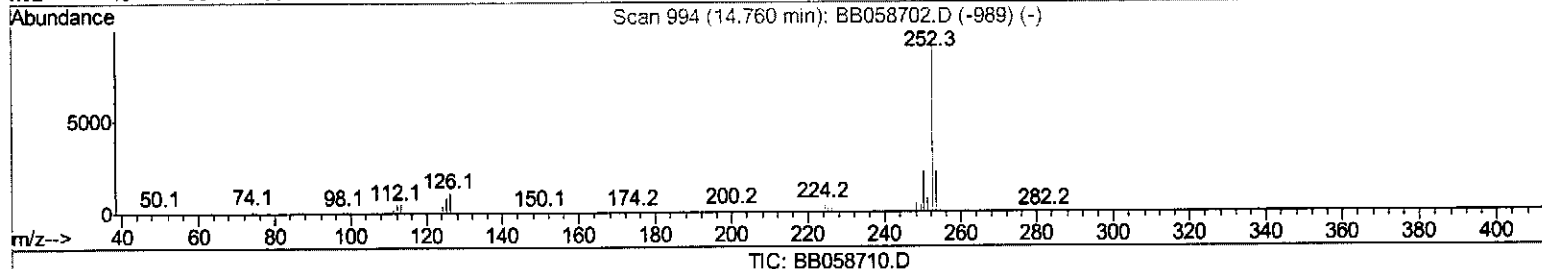
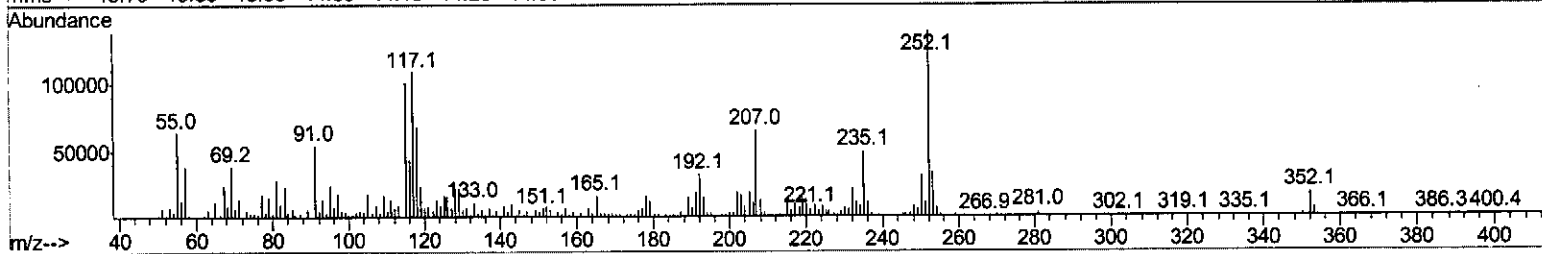
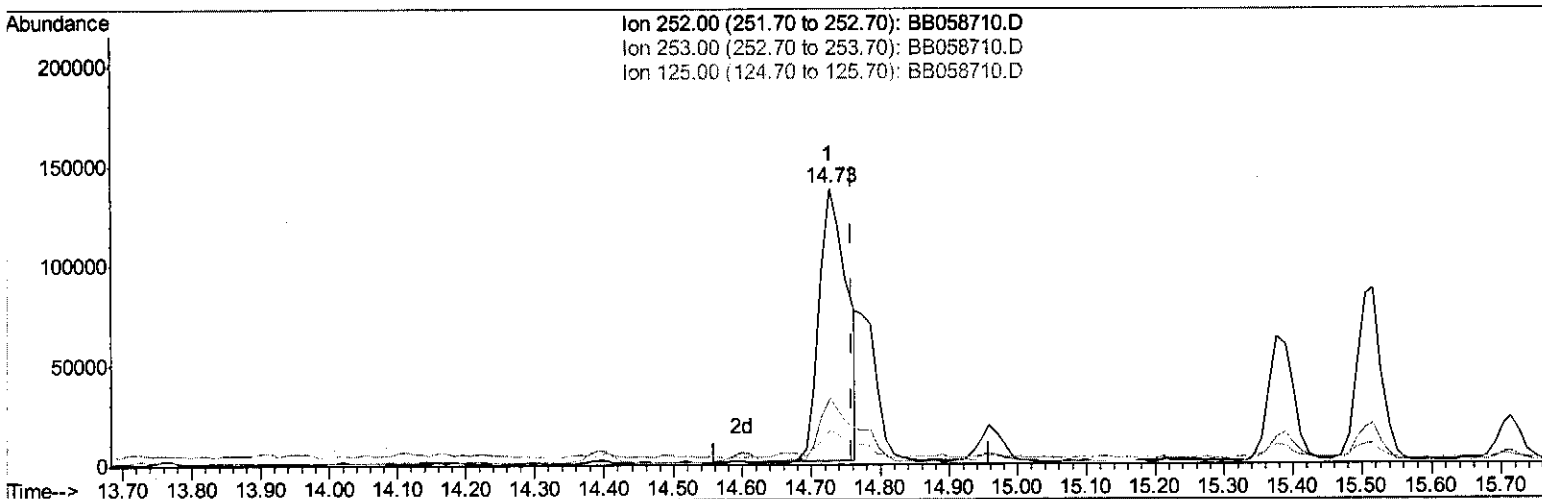
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Operator : UM/SJ
Sample : I2107-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampleId :
C0AJ3

Manual Integrations
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TIC: BB058710.D

(24) Benzo(b)fluoranthene

14.728min (-0.033) 7.56ng/ul m

51 3/15/17

response 390363

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.98
125.00	8.00	12.12#
0.00	0.00	0.00

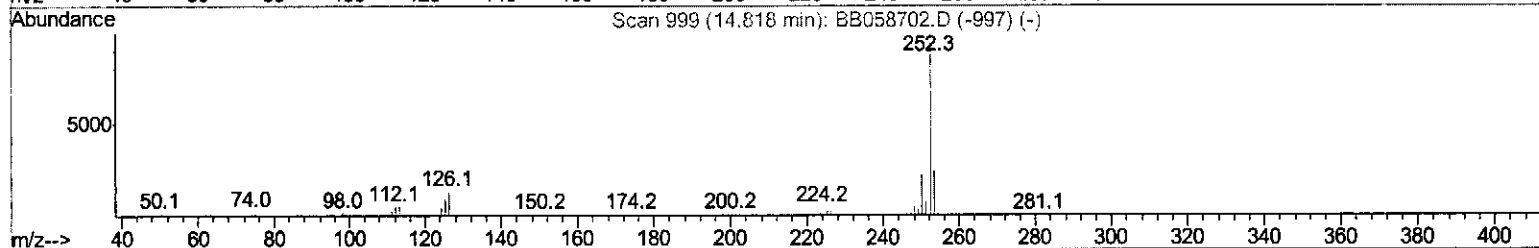
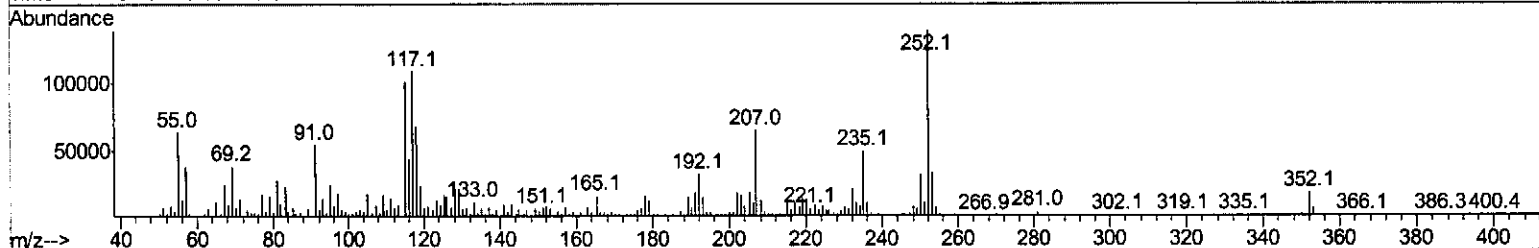
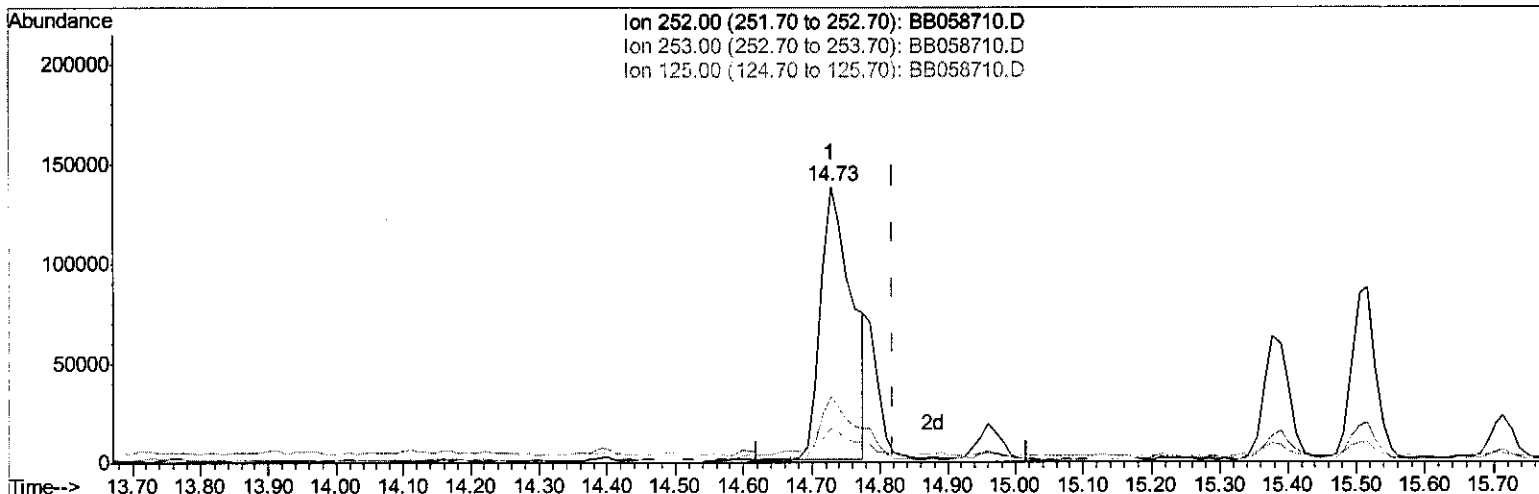
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Operator : UM/SJ
Sample : I2107-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampled :
C0AJ3

Manual Integrations
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Quant Title : SVOA CALIBRATION
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TIC: BB058710.D

(25) Benzo(k)fluoranthene

14.728min (-0.091) 9.83ng/ul

response 444538

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	23.98
125.00	8.70	12.12#
0.00	0.00	0.00

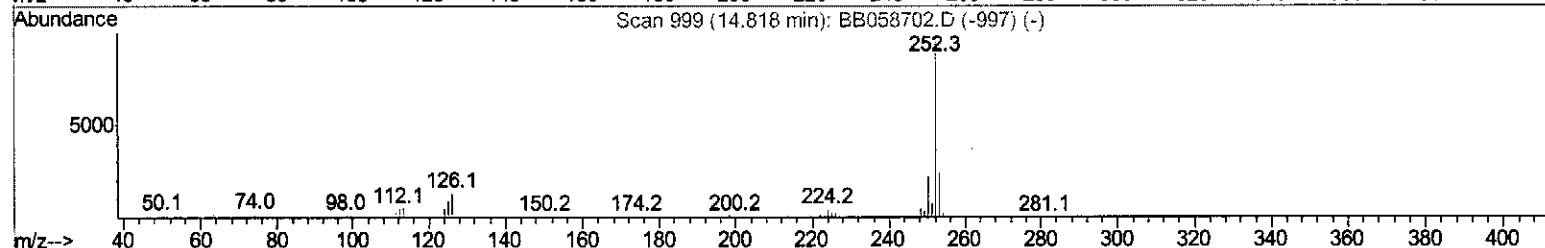
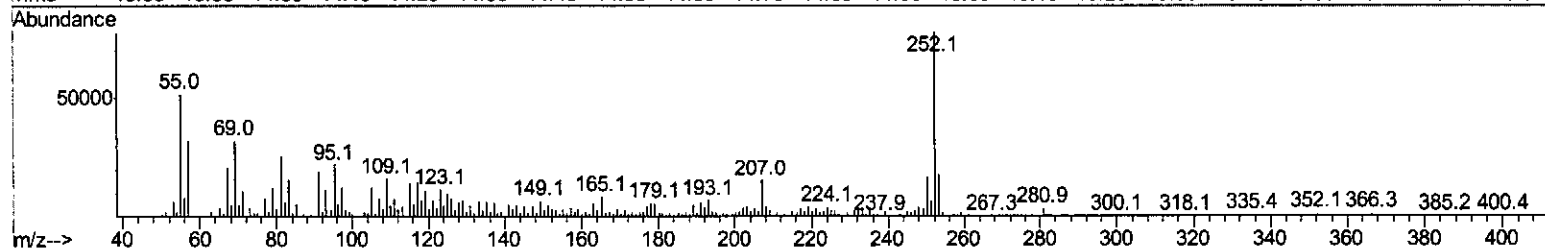
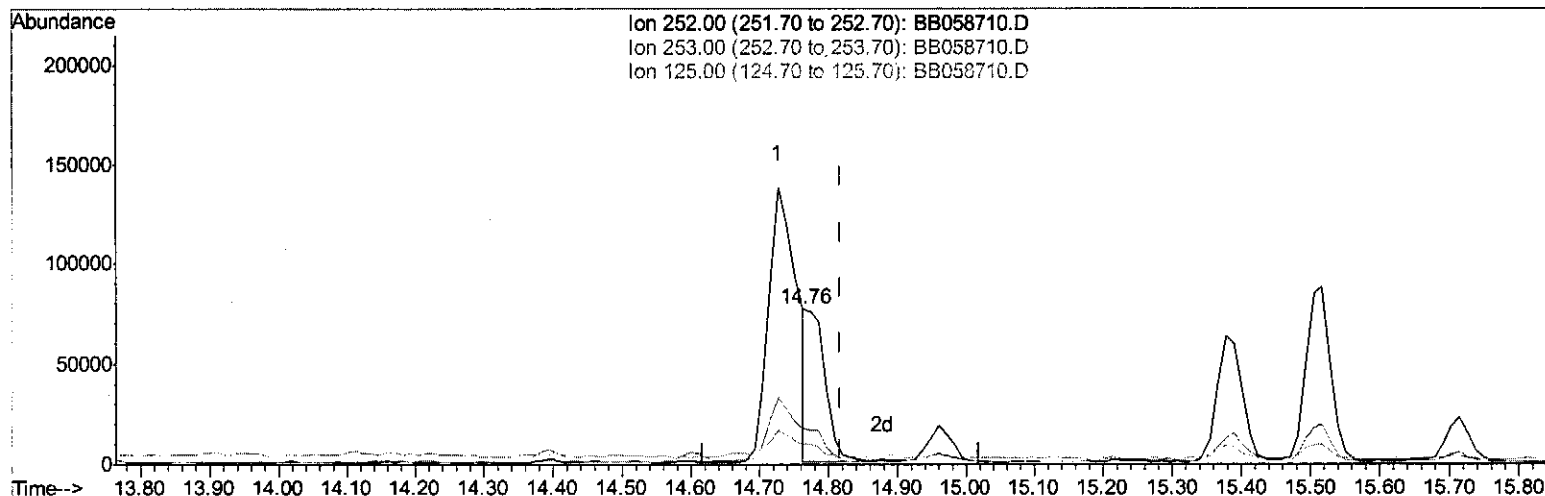
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Acq On : 9 Mar 2017 15:15
Operator : UM/SJ
Sample : I2107-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampled :
C0AJ3

Manual Integrations
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TIC: BB058710.D

(25) Benzo(k)fluoranthene

14.762min (-0.056) 3.07ng/ul m 51 3/15/17

response 138770

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	23.40
125.00	8.70	13.06#
0.00	0.00	0.00

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 Operator : UM/SJ
 Sample : I2107-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleId :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.88	152	354680	20.00	ng/ul	-0.02
2) Naphthalene-d8	6.15	136	1339979	20.00	ng/ul	-0.02
6) Acenaphthene-d10	8.02	164	864575	20.00	ng/ul	-0.02
12) Phenanthrene-d10	9.62	188	1816540	20.00	ng/ul	-0.02
18) Chrysene-d12	12.74	240	1565457	20.00	ng/ul	-0.03
23) Perylene-d12	15.66	264	843593	20.00	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	5.95	165	442223	17.32	ng/uL	-0.03
7) Acenaphthylene-d8	7.86	160	1585363	23.53	ng/ul	-0.02
10) Fluorene-d10	8.57	176	1169839	21.37	ng/ul	-0.02
15) Anthracene-d10	9.68	188	1677568	20.76	ng/ul	-0.02
19) Pvrene-d10	11.18	212	1751404	24.60	ng/ul	-0.02
26) Benzo(a)pyrene-d12	15.46	264	799112	21.17	ng/ul	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	6.17	128	117746	1.80	ng/ul#	81
14) Phenanthrene	9.64	178	477841	5.30	ng/ul	98
16) Anthracene	9.64	178	477841	5.27	ng/ul	98
17) Fluoranthene	10.93	202	744183	8.83	ng/ul#	87
20) Pyrene	11.20	202	696757	8.00	ng/ul#	91
21) Benzo(a)anthracene	12.73	228	346112m>	4.21	ng/ul	97
22) Chrysene	12.79	228	353912	4.73	ng/ul	
24) Benzo(b)fluoranthene	14.73	252	390363m>	7.56	ng/ul	
25) Benzo(k)fluoranthene	14.76	252	138770m>	3.07	ng/ul	96
27) Benzo(a)pyrene	15.52	252	207679	4.48	ng/ul#	
28) Indeno(1,2,3-cd)pyrene	18.85	276	88844	2.10	ng/ul	
30) Benzo(a,h,i)perylene	19.83	276	69374	2.09	ng/ul	92

} SJ 3/15/17

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