

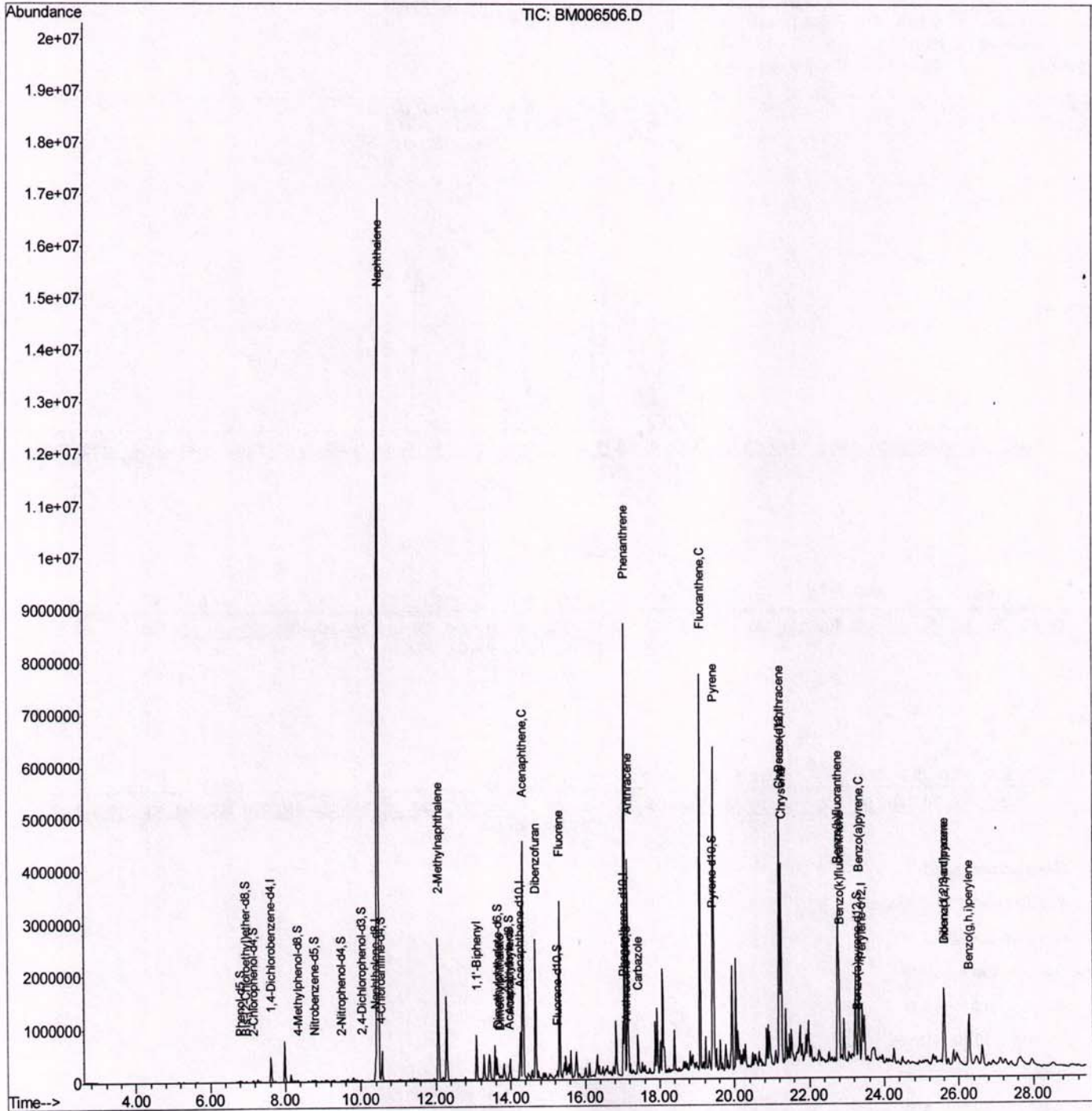
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BDJ22

Manual Integrations

Quant Time: Jul 18 08:11:12 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

sohil
7/18/2016 7:40:20 PM



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006506.D
 Acq On : 17 Jul 2016 08:45
 Operator : UM/SJ
 Sample : H3959-03 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 18 08:11:12 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

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

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

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Manual Integrations

sohil
 7/18/2016 7:40:20 PM

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006506.D
 Acq On : 17 Jul 2016 08:45
 Operator : UM/SJ
 Sample : H3959-03 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Manual Integrations

sohil
 7/18/2016 7:40:20 PM

Quant Time: Jul 18 08:11:12 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	126122	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	511883	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	290470	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	648247	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	687349	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	823600	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.80	99	15986	1.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	11157	1.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	12803	1.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	12541	1.53	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	6429	1.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	5875	1.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	11669	1.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	14465	1.67	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	42134	1.77	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	51824	1.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	3403	0.82	ng/ul	0.01
57) Fluorene-d10	15.26	176	42578	2.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	1306	0.35	ng/ul	0.02
70) Anthracene-d10	17.12	188	65427m	2.14	ng/ul	0.00
76) Pyrene-d10	19.42	212	70662	2.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	79403	2.11	ng/ul	0.00

Target Compounds

Ovalue

28) Naphthalene	10.47	128	18070536	695.51	ng/ul	97
34) 2-Methylnaphthalene	12.06	142	1379197	70.44	ng/ul	98
40) 1,1'-Biophenyl	13.09	154	440541	18.39	ng/ul	99
44) Dimethylphthalate	13.73	163	29691	1.23	ng/ul	97
47) Acenaphthylene	13.99	152	189157	6.18	ng/ul#	96
49) Acenaphthene	14.33	153	1996075	101.35	ng/ul	98
53) Dibenzofuran	14.67	168	1613540	56.28	ng/ul	97
58) Fluorene	15.32	166	1627943	70.98	ng/ul	100
69) Phenanthrene	17.07	178	6070306	170.30	ng/ul	98
71) Anthracene	17.15	178	2665663	72.71	ng/ul	99
72) Carbazole	17.42	167	429035	13.84	ng/ul	99
74) Fluoranthene	19.09	202	5535772m	133.64	ng/ul	
77) Pyrene	19.45	202	4647164	113.23	ng/ul#	94
80) Benzo(a)anthracene	21.20	228	2408037	57.40	ng/ul	96
82) Chrysene	21.26	228	2351907	59.54	ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	2718662	55.23	ng/ul	98
86) Benzo(k)fluoranthene	22.80	252	1027835m	22.20	ng/ul	
88) Benzo(a)pyrene	23.32	252	2117603	44.91	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.61	276	1360827	24.81	ng/ul	96
90) Dibenzo(a,h)anthracene	25.61	278	356177	7.81	ng/ul#	85
91) Benzo(a,h,i)perylene	26.29	276	1164064	24.01	ng/ul	100

U.A.
 07/17/16

Quantitation Report (Qedit)

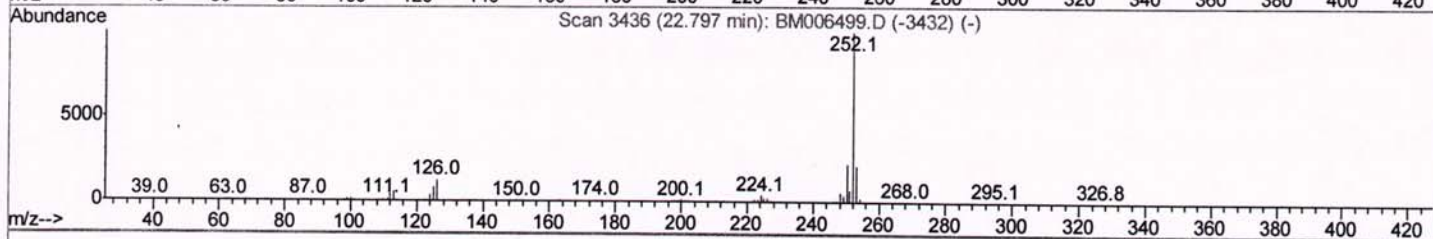
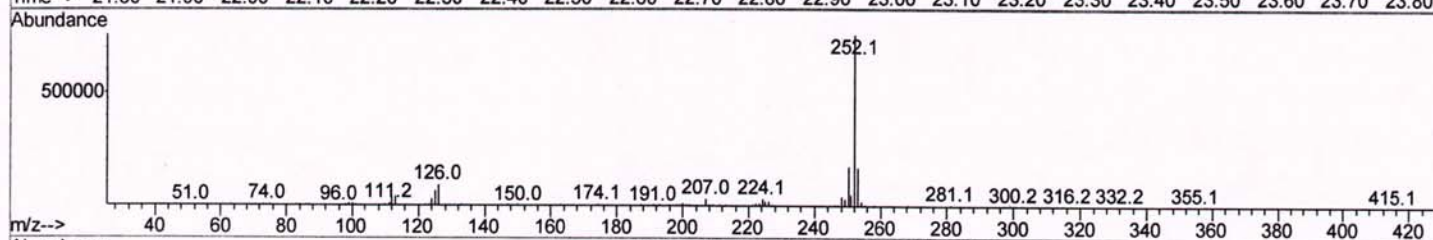
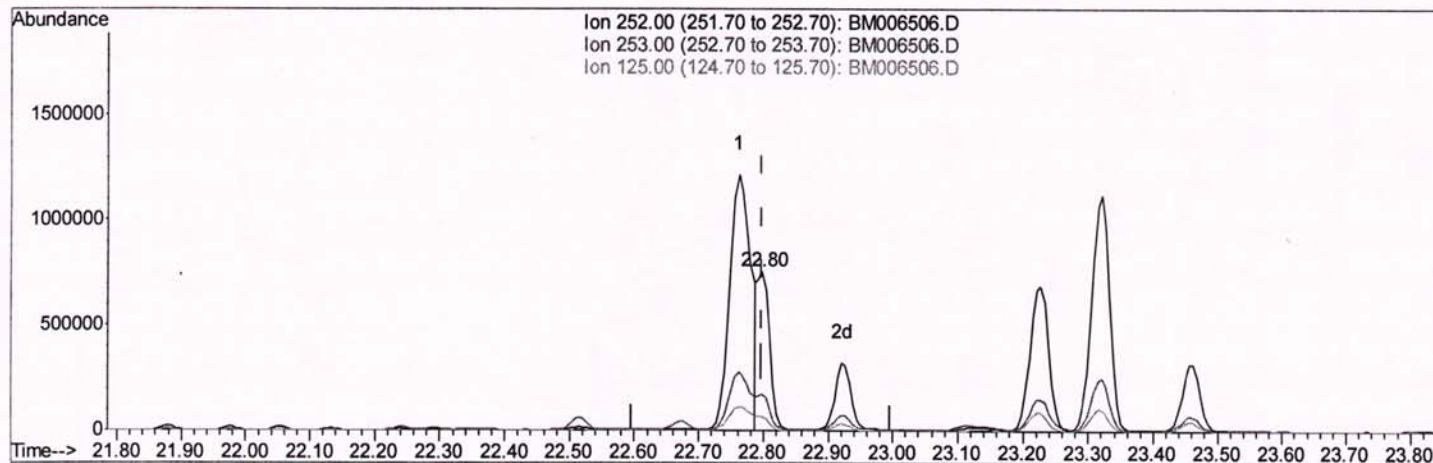
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BDJ22

Manual Integrations

sohil
7/18/2016 7:40:20 PM

Quant Time: Jul 18 08:09:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration



TIC: BM006506.D

(86) Benzo(k)fluoranthene

22.797min (-0.000) 22.20ng/ul m

response 1027835

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.78
125.00	8.70	8.68
0.00	0.00	0.00

U.M.
DAIYALIB

Quantitation Report (Qedit)

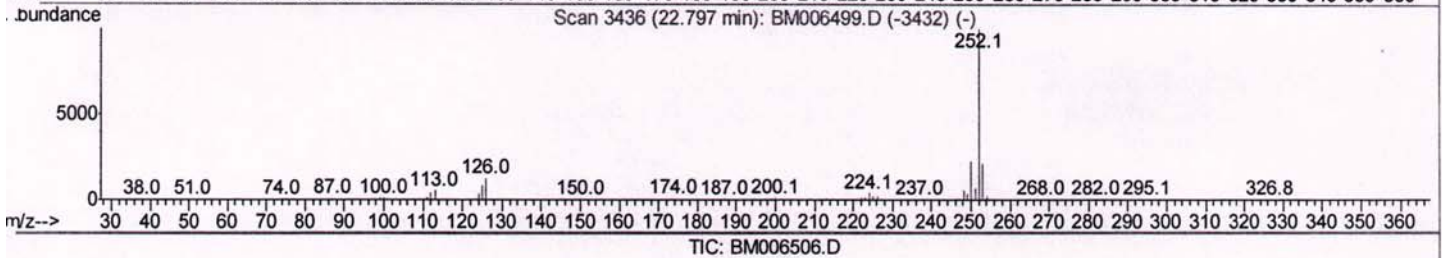
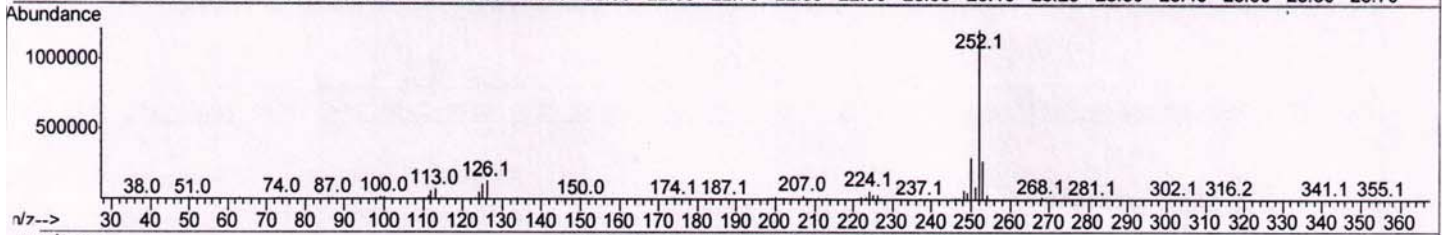
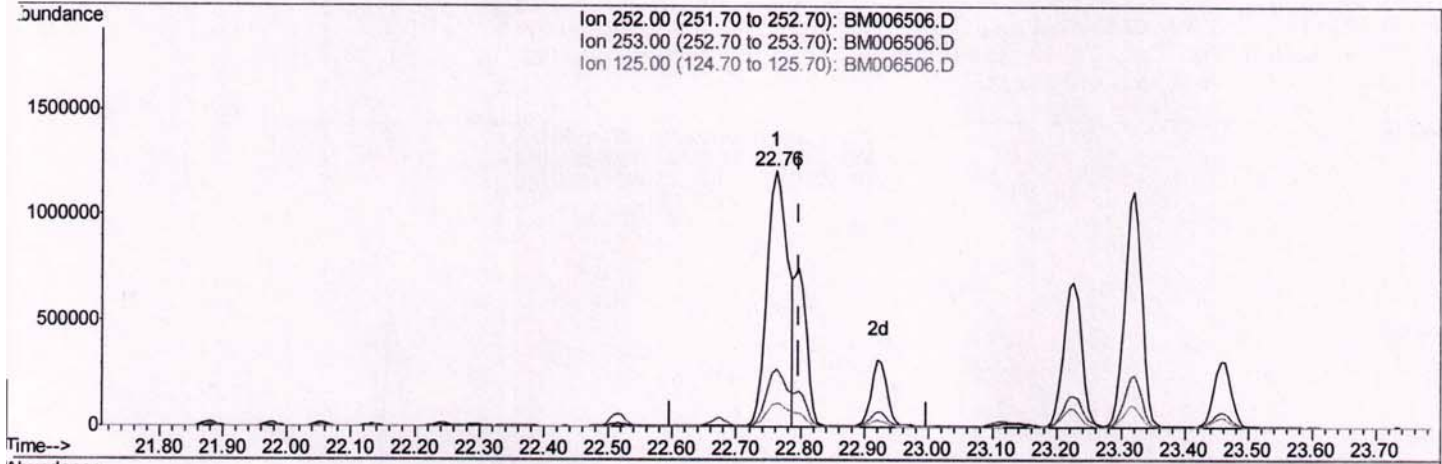
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006506.D
 Acq On : 17 Jul 2016 08:45
 Operator : UM/SJ
 Sample : H3959-03 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Manual Integrations

Quant Time: Jul 18 08:09:33 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

sohil
 7/18/2016 7:40:20 PM



(86) Benzo(k)fluoranthene

22.762min (-0.035) 58.72ng/ul

response 2718662

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.55
125.00	8.70	9.27
0.00	0.00	0.00

Quantitation Report (Qedit)

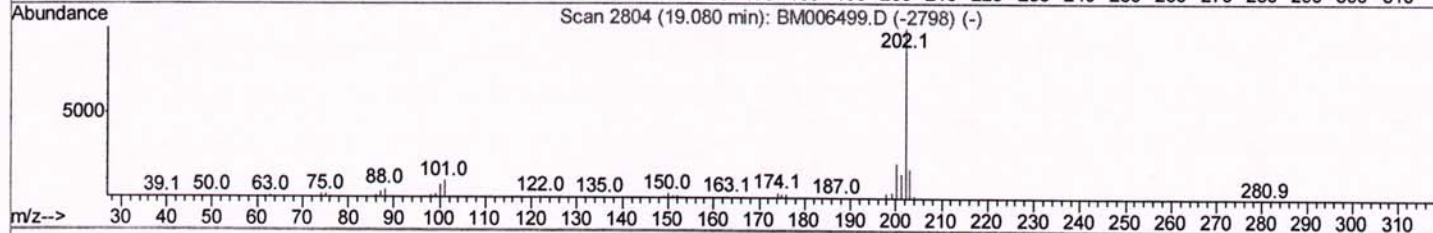
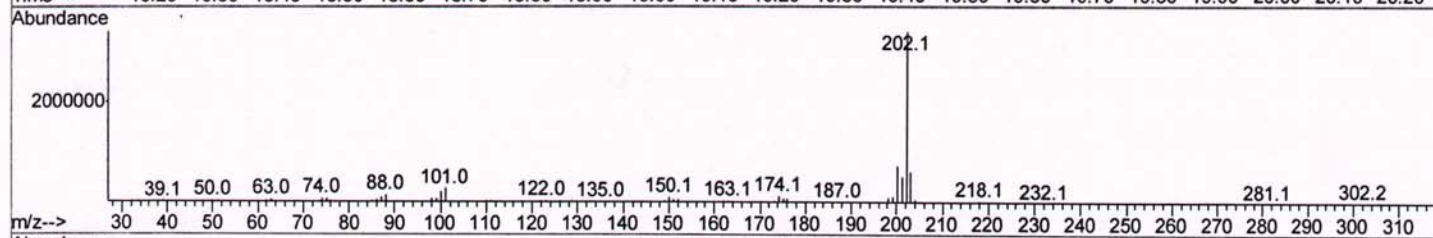
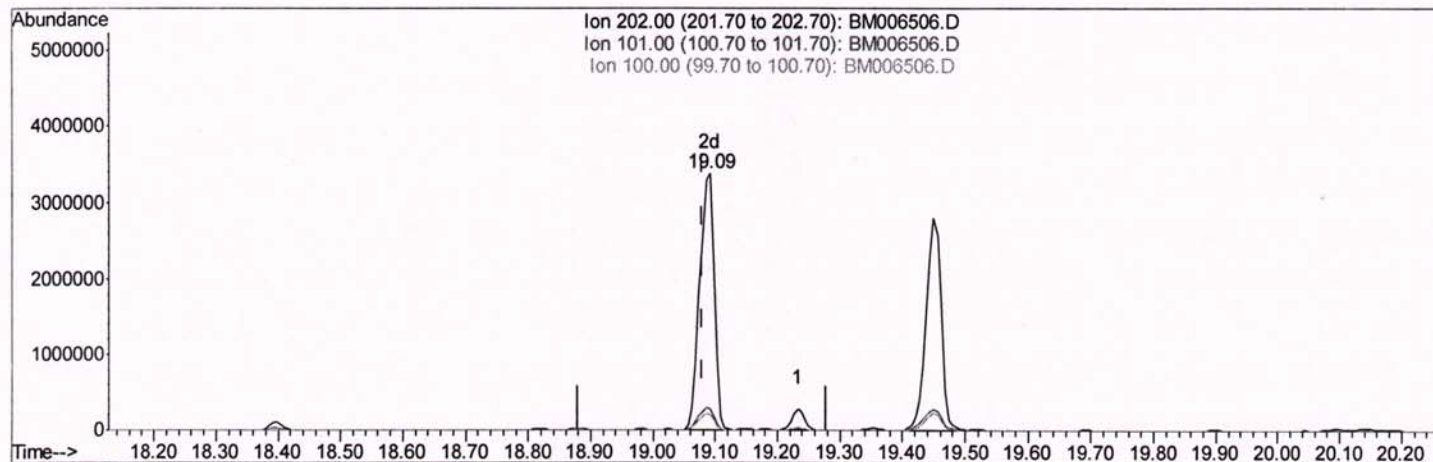
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ22

Manual Integrations

sohil
7/18/2016 7:40:20 PM

Quant Time: Jul 18 08:09:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration



TIC: BM006506.D

(74) Fluoranthene (C)

19.092min (+0.012) 133.64ng/ul m

response 5535772

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	8.20#
100.00	8.00	6.04#
0.00	0.00	0.00

U.S.A.
07/17/18

Quantitation Report (Qedit)

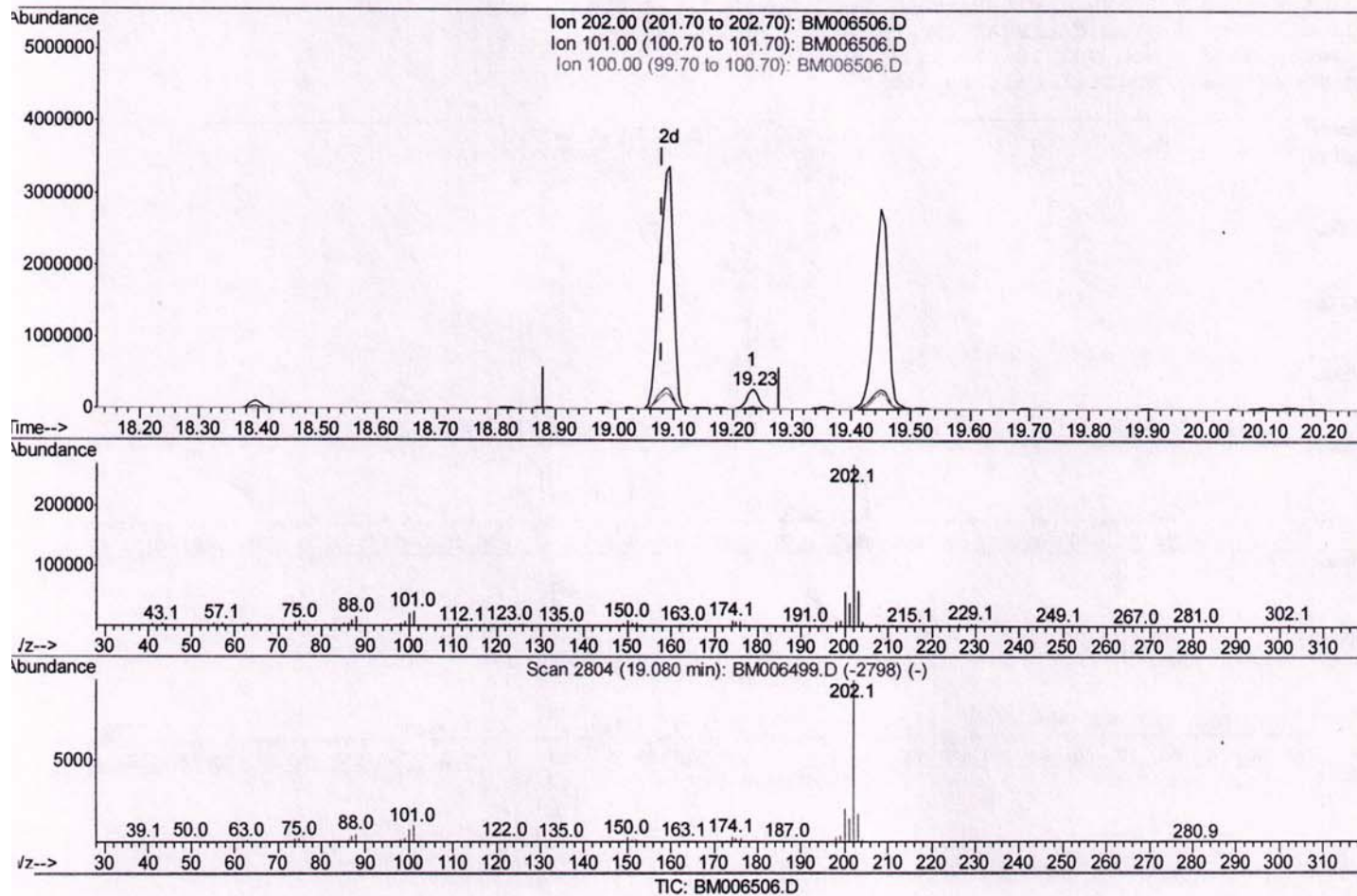
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ22

Manual Integrations

Quant Time: Jul 18 08:09:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

sohil
7/18/2016 7:40:20 PM



(74) Fluoranthene (C)

19.233min (+0.153) 8.34ng/ul

response 345540

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	9.37
100.00	8.00	7.58
0.00	0.00	0.00

Quantitation Report (Qedit)

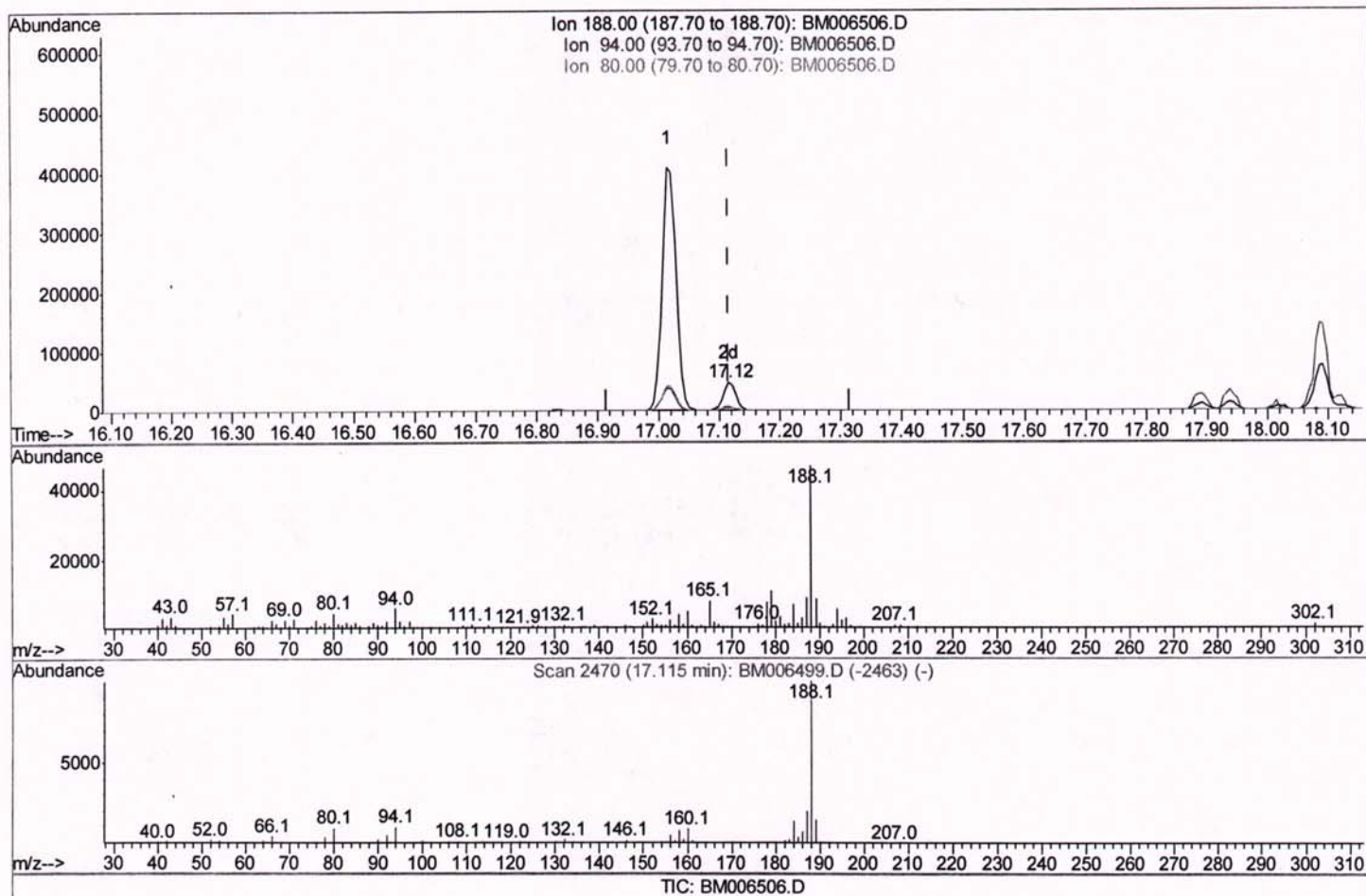
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ22

Manual Integrations

sohil
7/18/2016 7:40:20 PM

Quant Time: Jul 18 08:09:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration



(70) Anthracene-d10 (S)

17.115min (-0.000) 2.14ng/ul m

response 65427

Ion	Exp%	Act%
188.00	100	100
94.00	10.50	12.82#
80.00	9.60	9.75
0.00	0.00	0.00

U.M.
07/17/16

Quantitation Report (Qedit)

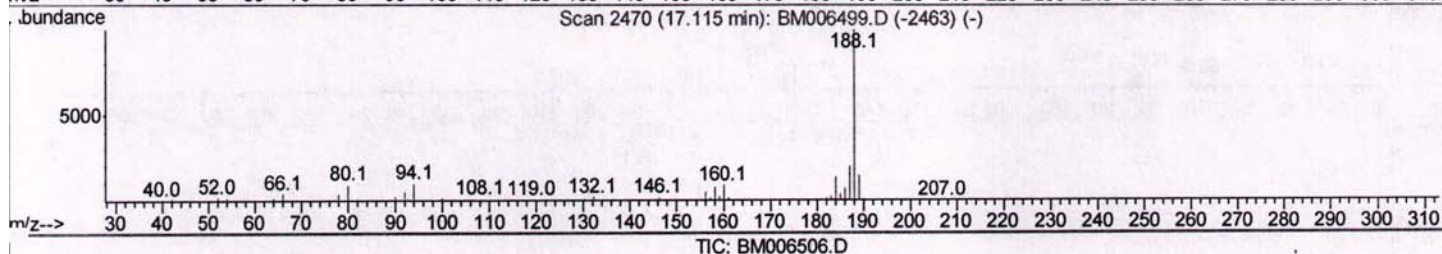
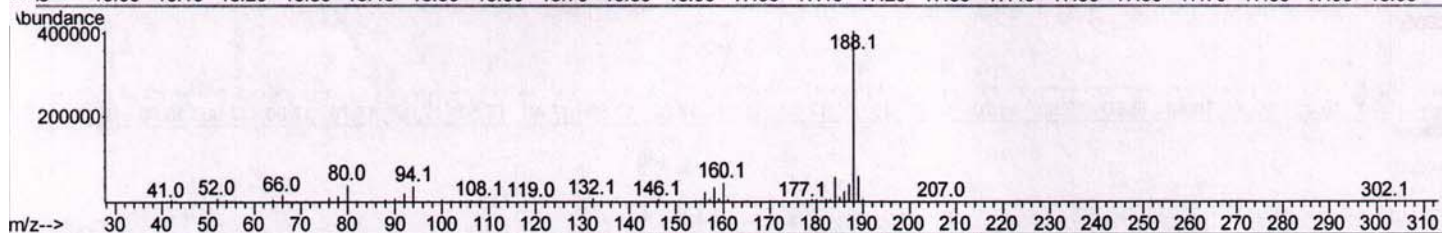
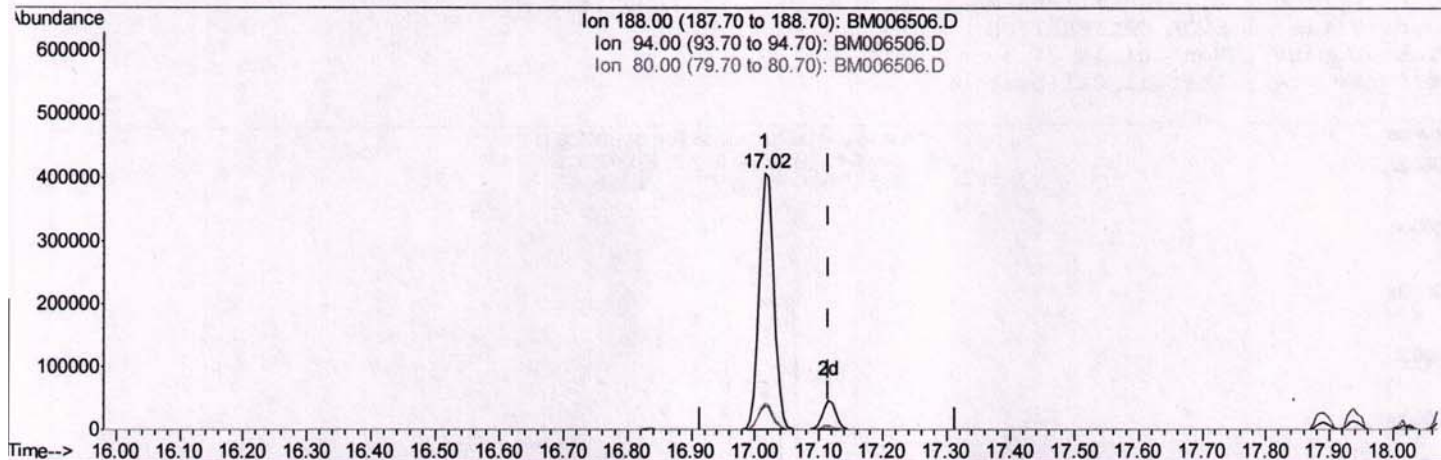
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ22

Manual Integrations

Quant Time: Jul 18 08:09:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

sohil
7/18/2016 7:40:20 PM



(70) Anthracene-d10 (S)

17.015min (-0.100) 21.16ng/ul

response 648247

Ion	Exp%	Act%
188.00	100	100
94.00	10.50	9.25
80.00	9.60	9.95
0.00	0.00	0.00