

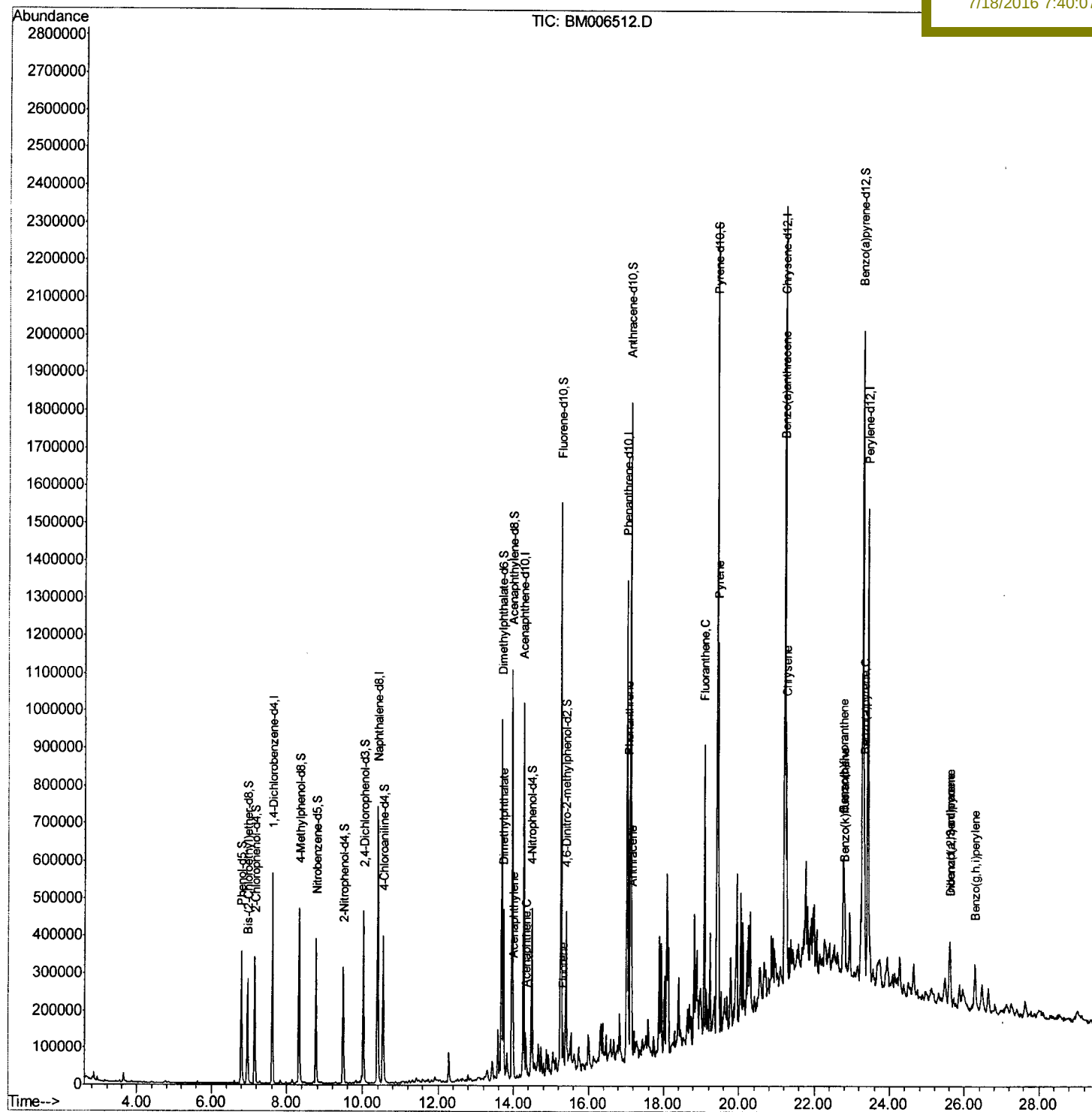
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jul 18 08:50:52 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

Instrument :
BNA M
ClientSampleId :
BDJ53

Manual Integration

APPROVED
sohil
7/18/2016 7:40:07 PM



Quantitation Report (Qedit)

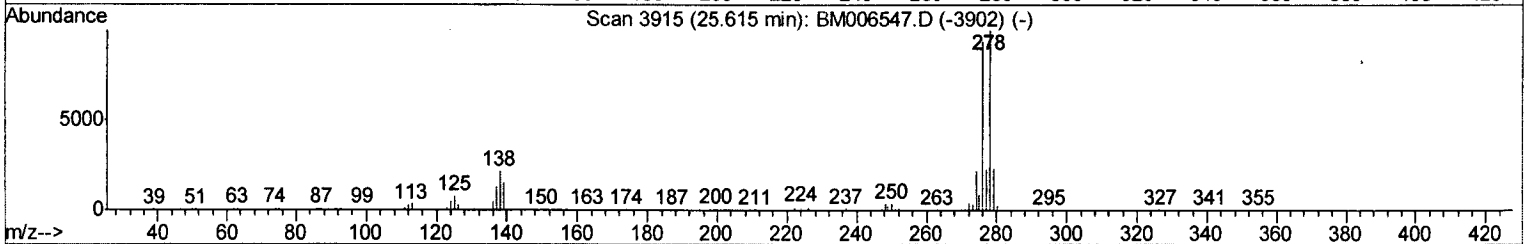
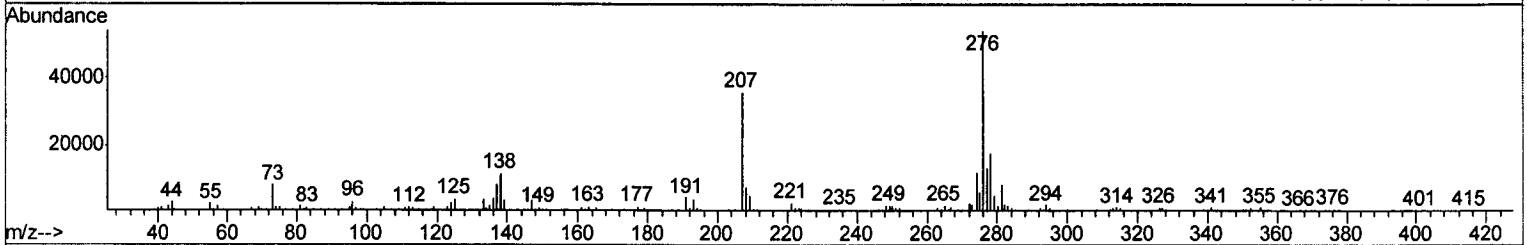
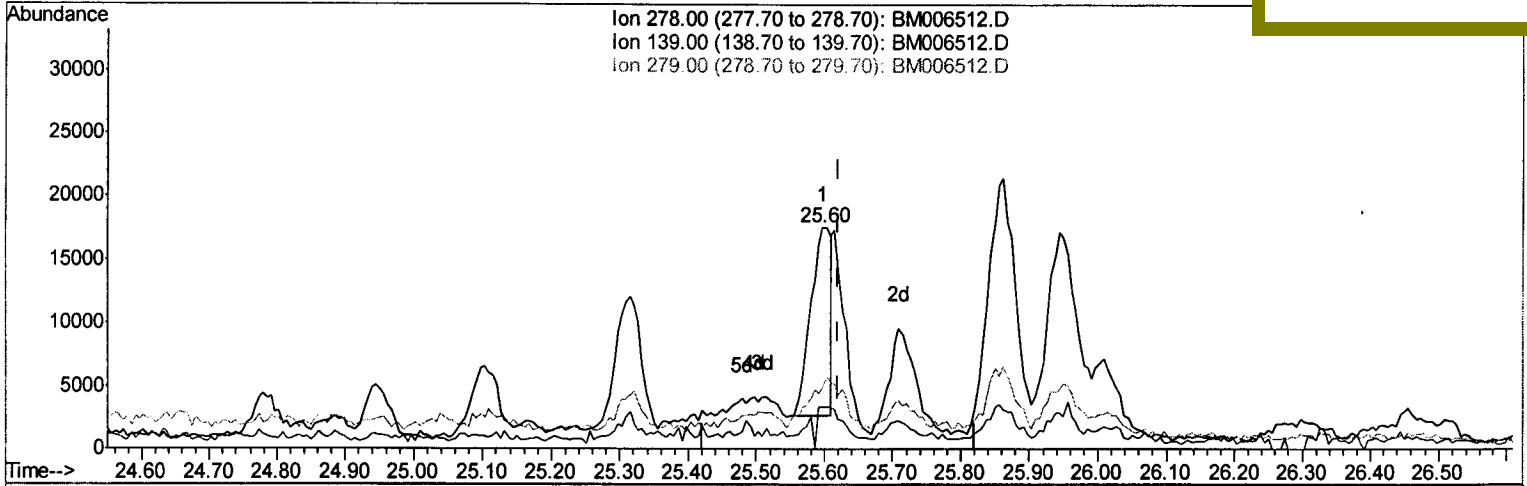
Data Path : Z:\HPCHEM1\BNA_M\Data\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ53

Quant Time: Jul 26 08:49:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 20 04:22:37 2016
 Response via : Initial Calibration

Manual Integration

sohil
 7/18/2016 7:40:07 PM



TIC: BM006512.D

(90) Dibenzo(a,h)anthracene

25.597min (-0.023) 0.60ng/ul

response 31116

Ion	Exp%	Act%
278.00	100	100
139.00	14.60	19.07#
279.00	24.00	27.81
0.00	0.00	0.00

Quantitation Report (Qedit)

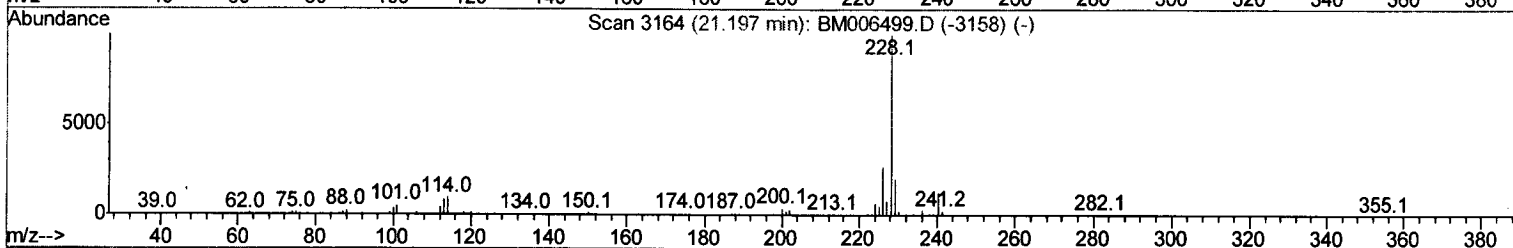
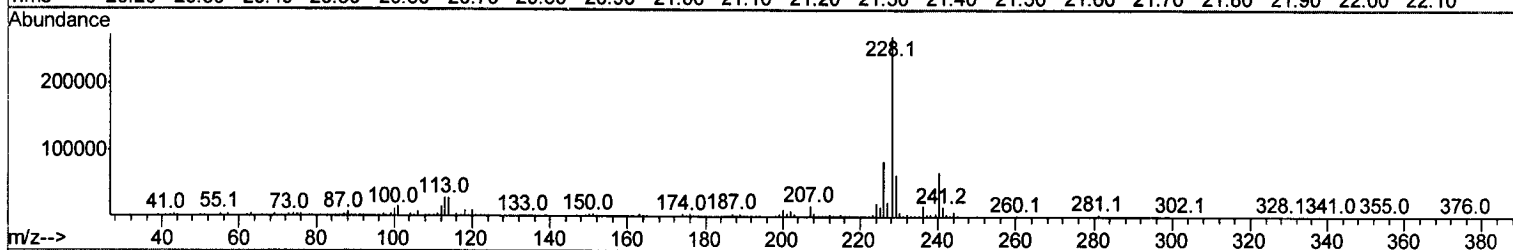
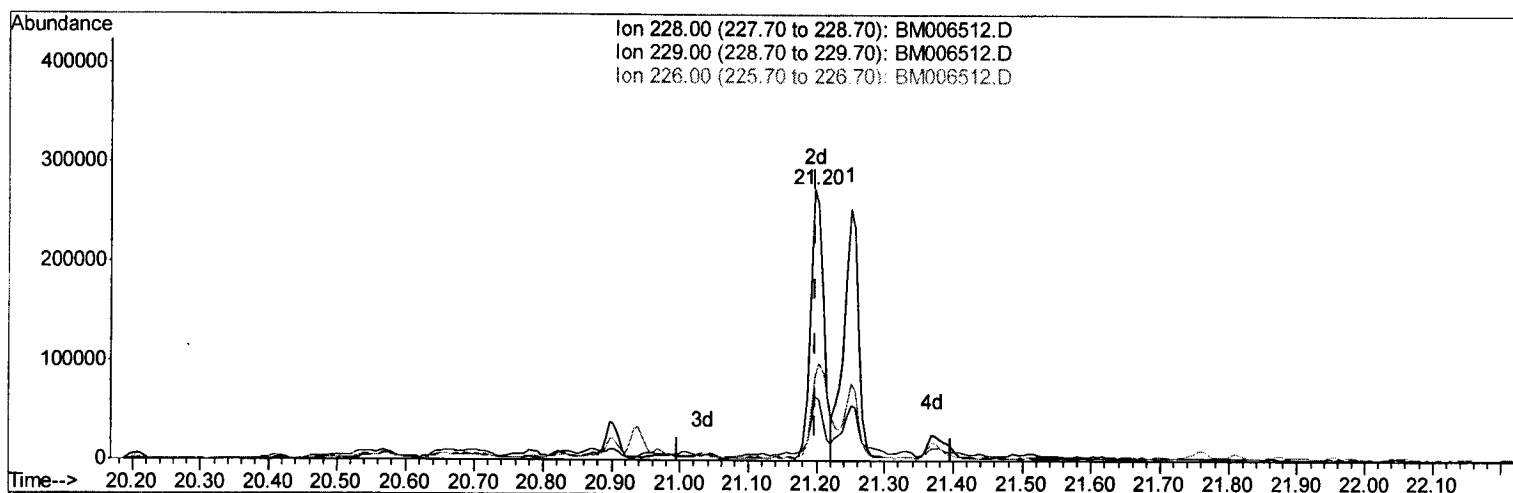
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ53

Manual Integration

Quant Time: Jul 18 07:44:25 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

APPROVED
 sohil
 7/18/2016 7:40:07 PM



TIC: BM006512.D

(80) Benzo(a)anthracene

21.197min (0.000) 7.08ng/ul m *U.M*
 response 373227 *07/26/16*

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.70#
226.00	26.80	30.94
0.00	0.00	0.00

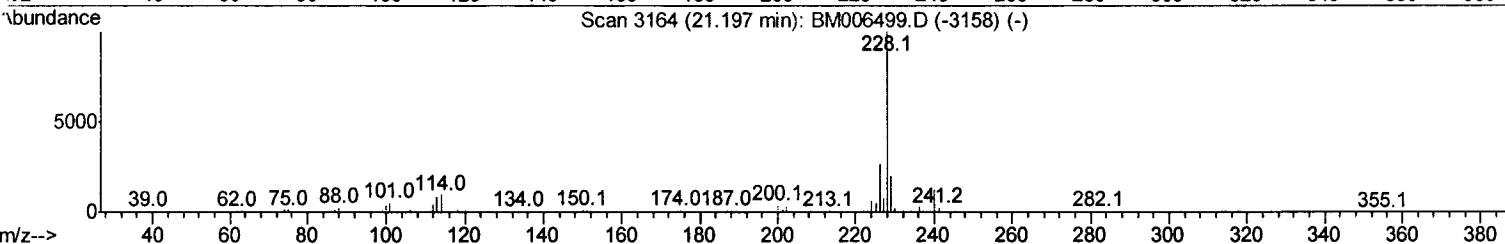
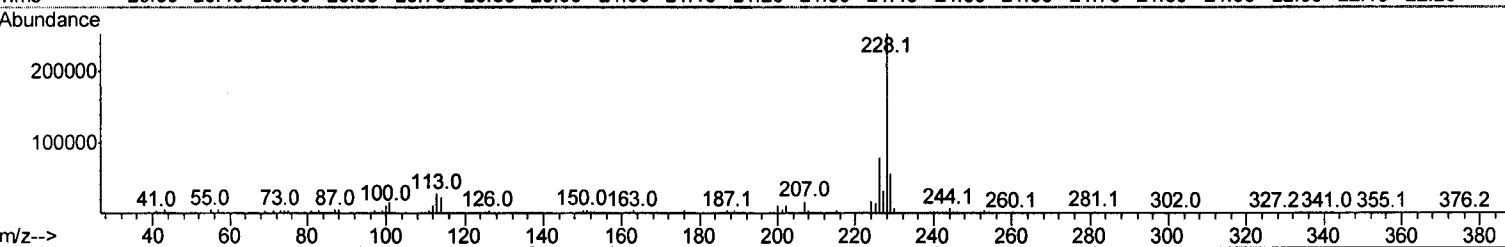
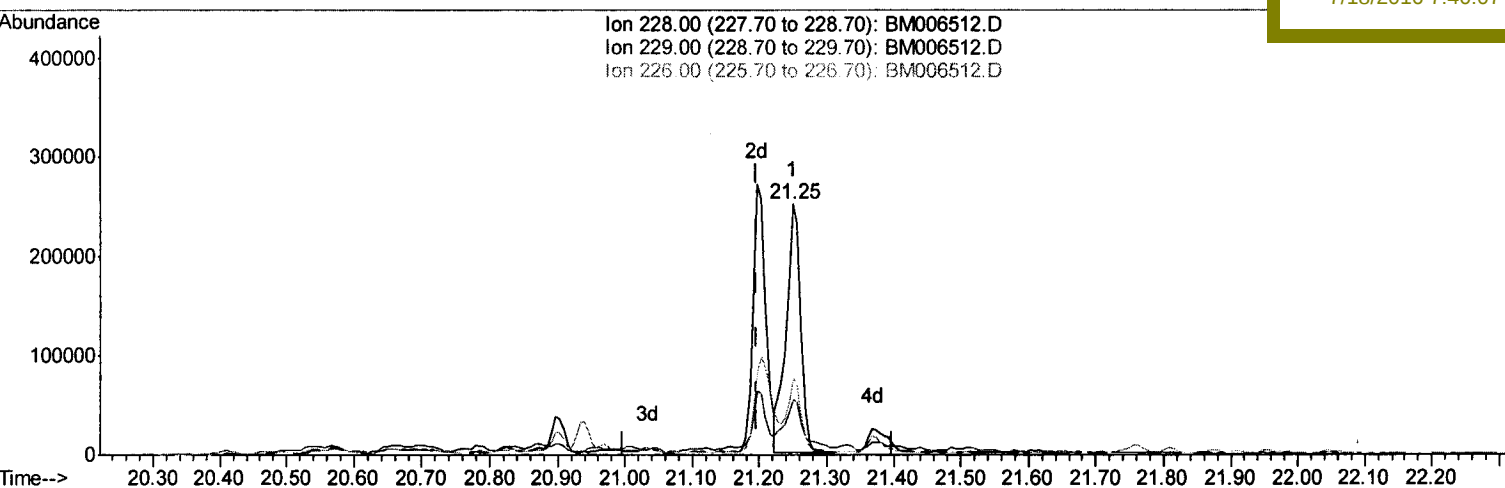
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BDJ53

Quant Time: Jul 18 07:44:25 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

Manual Integration

APPROVED
sohil
7/18/2016 7:40:07 PM



TIC: BM006512.D

(80) Benzo(a)anthracene

21.250min (+0.053) 7.12ng/ul

response 375844

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	21.97
226.00	26.80	30.73
0.00	0.00	0.00

Quantitation Report (Qedit)

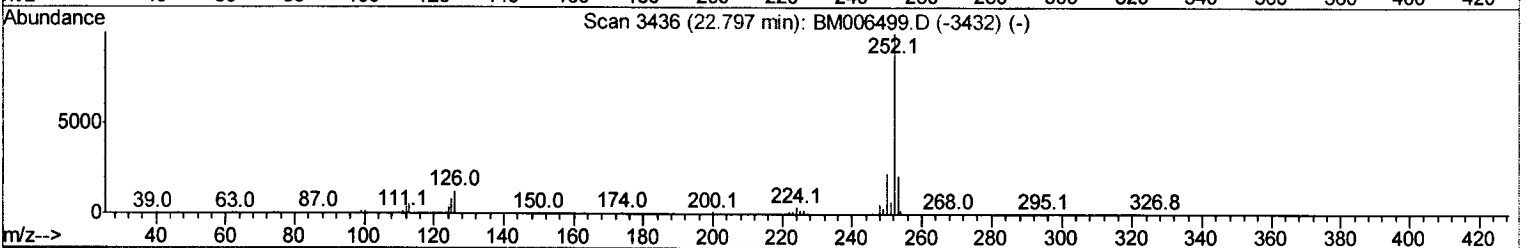
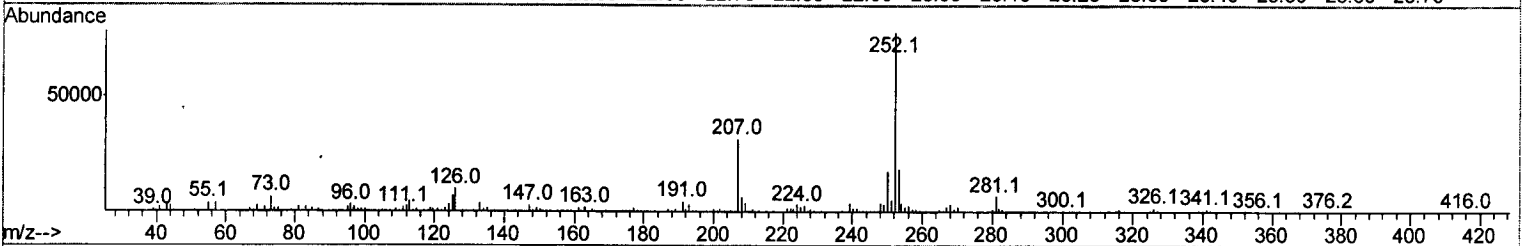
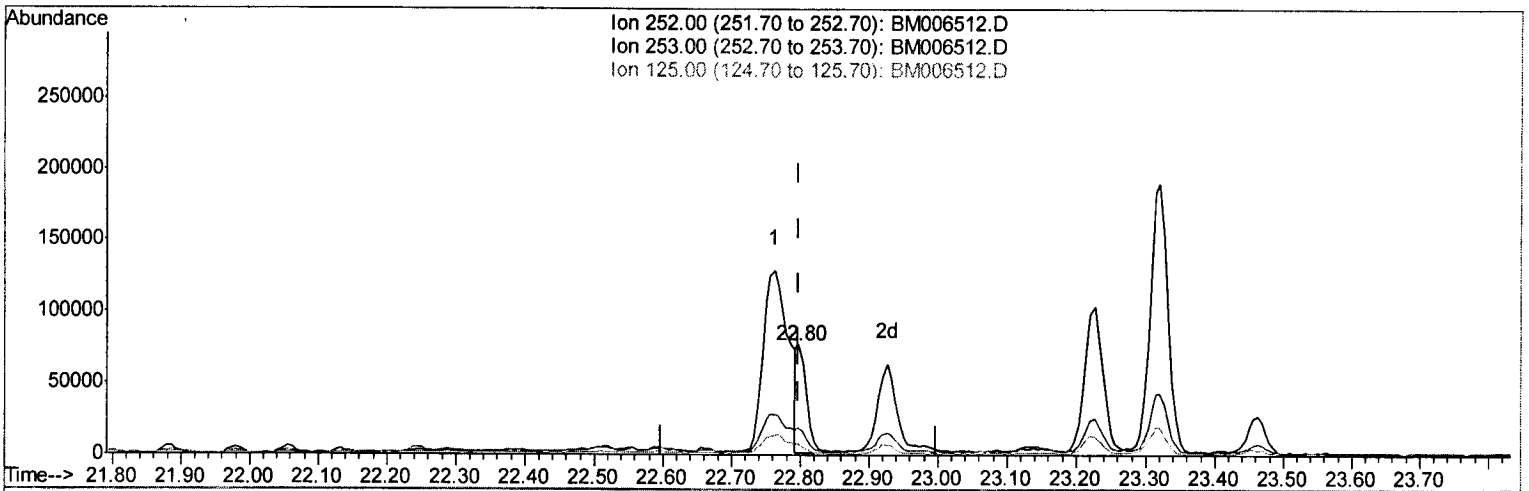
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 BDJ53

Manual Integration

APPROVED
 sohil
 7/18/2016 7:40:07 PM

Quant Time: Jul 18 08:49:29 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: BM006512.D

(86) Benzo(k)fluoranthene

22.797min (+0.000) 1.39ng/ul m *U.M*
 response 73570 *07/26/16*

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	24.15
125.00	8.70	9.52
0.00	0.00	0.00

Quantitation Report (Qedit)

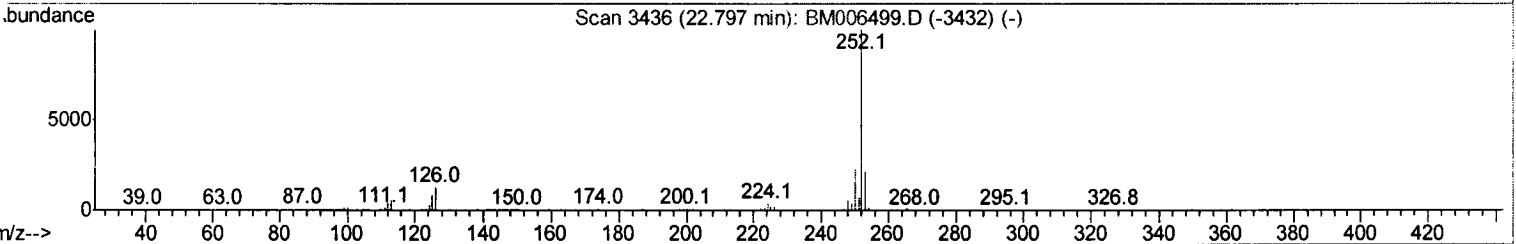
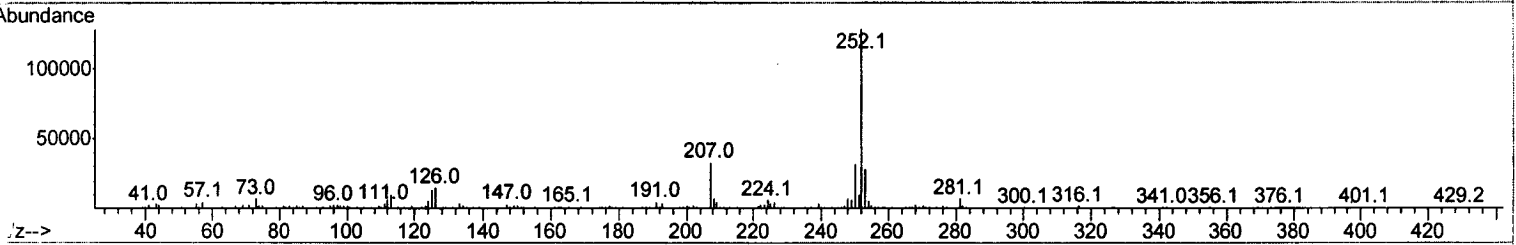
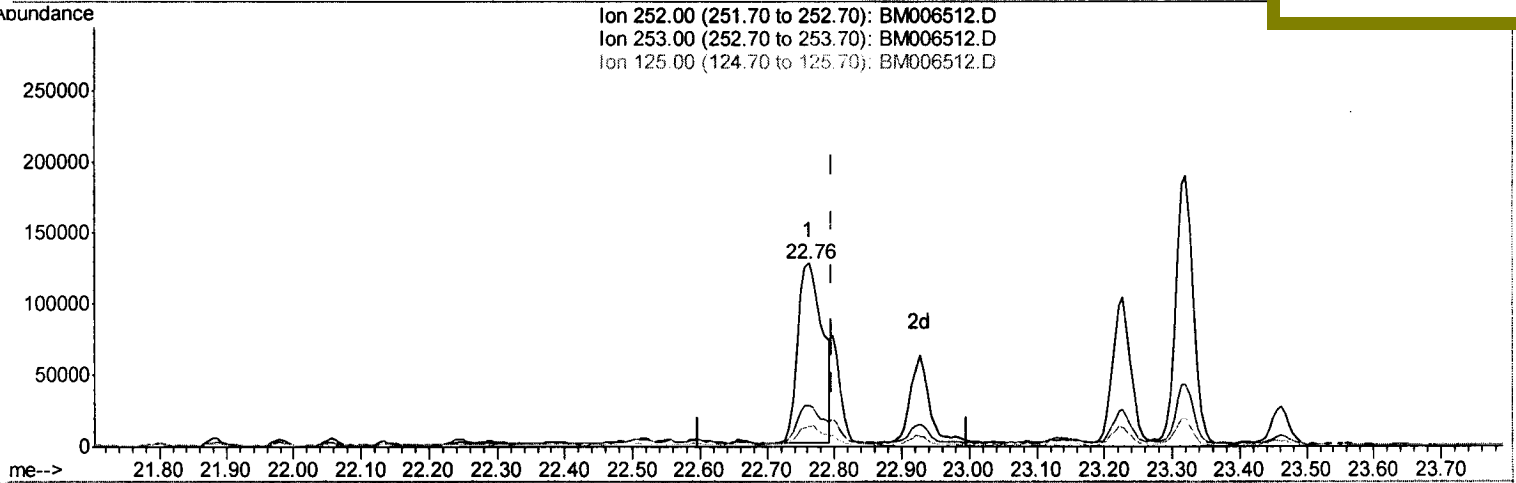
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ53

Manual Integration

APPROVED
 sohil
 7/18/2016 7:40:07 PM

Quant Time: Jul 18 08:49:29 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: BM006512.D

(86) Benzo(k)fluoranthene

22.762min (-0.035) 6.08ng/ui

response 321282

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.94
125.00	8.70	10.56#
0.00	0.00	0.00

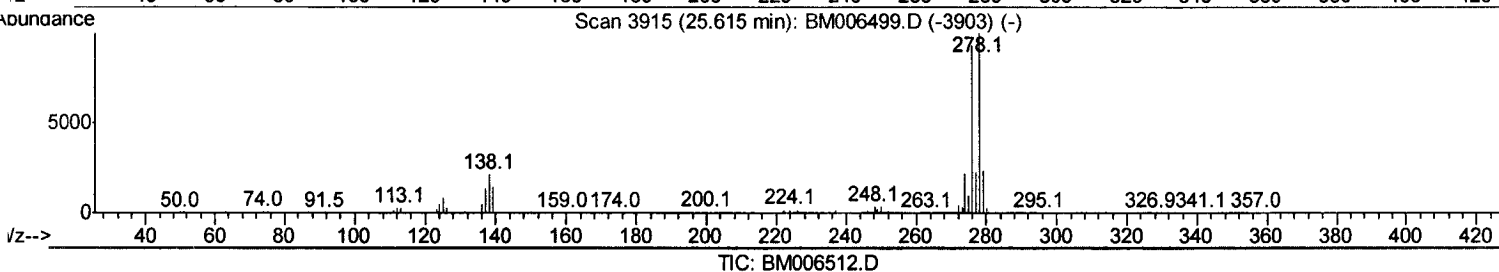
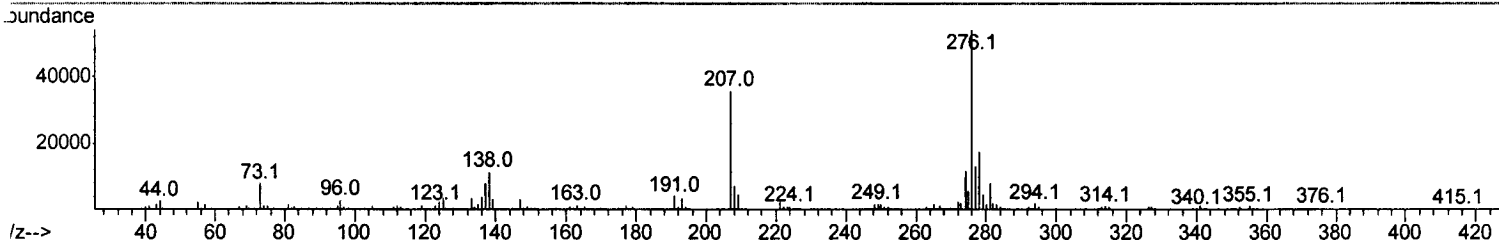
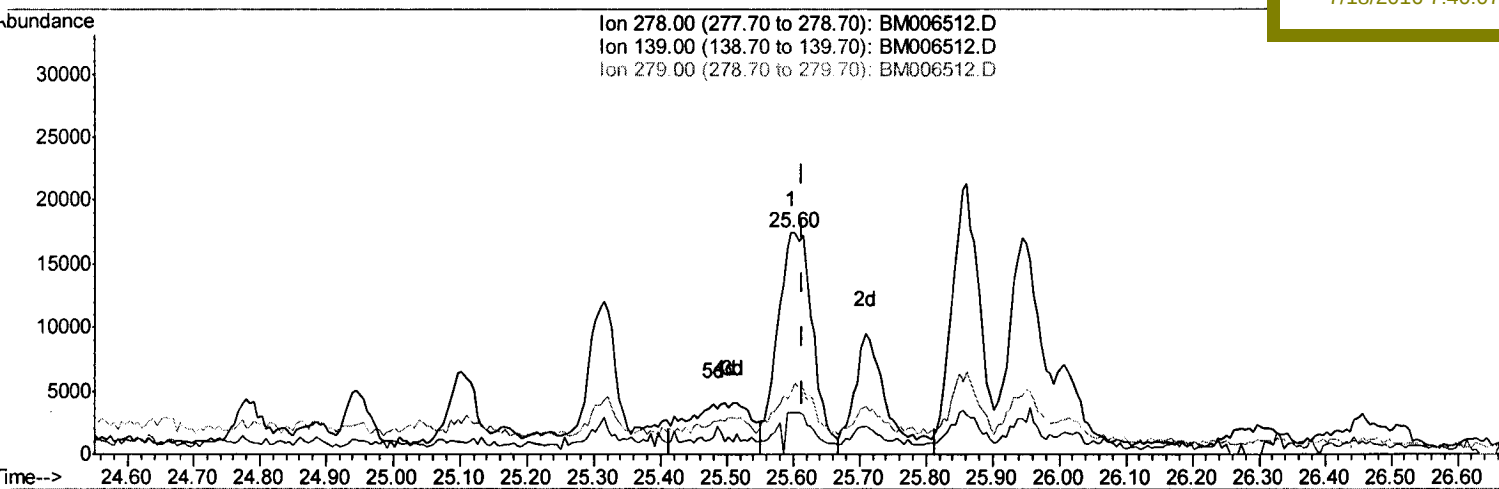
Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ53

Manual Integration

sohil
7/18/2016 7:40:07 PM

Quant Time: Jul 18 08:50:13 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



(90) Dibenzo(a,h)anthracene

25.597min (-0.018) 1.23ng/ul m U.M

response 64125

Ion	Exp%	Act%
278.00	100	100
139.00	14.60	19.07#
279.00	24.00	27.81
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ53

Manual Integration

sohil
 7/18/2016 7:40:07 PM

Quant Time: Jul 18 08:50:52 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	142731	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	605195	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	335243	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	752100	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	864316	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	939681	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	2127	0.63	ng/uL	0.00
5) Phenol-d5	6.79	99	192636	16.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	129674	18.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	148562	15.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	173069	18.62	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	85903	18.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	92078	17.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	165860	16.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	218287	21.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	641082	23.36	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	793341	23.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	107125	22.48	ng/ul	0.00
57) Fluorene-d10	15.26	176	583487	23.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	80485	18.50	ng/ul	0.00
70) Anthracene-d10	17.12	188	968469	27.24	ng/ul	0.00
76) Pyrene-d10	19.42	212	1135265	28.97	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	1235274	28.75	ng/ul	0.01

Target Compounds

					Ovalue
44) Dimethylphthalate	13.73	163	277045	9.95 ng/ul	100
47) Acenaphthylene	13.99	152	70887	2.01 ng/ul#	95
49) Acenaphthene	14.33	153	51054	2.25 ng/ul	97
58) Fluorene	15.32	166	48668	1.84 ng/ul	94
69) Phenanthrene	17.06	178	405328	9.80 ng/ul	99
71) Anthracene	17.15	178	202831	4.77 ng/ul	99
74) Fluoranthene	19.08	202	427811	8.90 ng/ul	99
77) Pyrene	19.44	202	617182	11.96 ng/ul	100
80) Benzo(a)anthracene	21.20	228	373227m	7.08 ng/ul	
82) Chrysene	21.25	228	375844	7.57 ng/ul	96
85) Benzo(b)fluoranthene	22.76	252	321282	5.72 ng/ul#	98
86) Benzo(k)fluoranthene	22.80	252	73570m	1.39 ng/ul	
88) Benzo(a)pyrene	23.32	252	337043	6.27 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.60	276	152358	2.43 ng/ul	97
90) Dibenzo(a,h)anthracene	25.60	278	64125m	1.23 ng/ul	
91) Benzo(a,h,i)perylene	26.28	276	135993	2.46 ng/ul	99

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