

Quantitation Report (QT Reviewed)

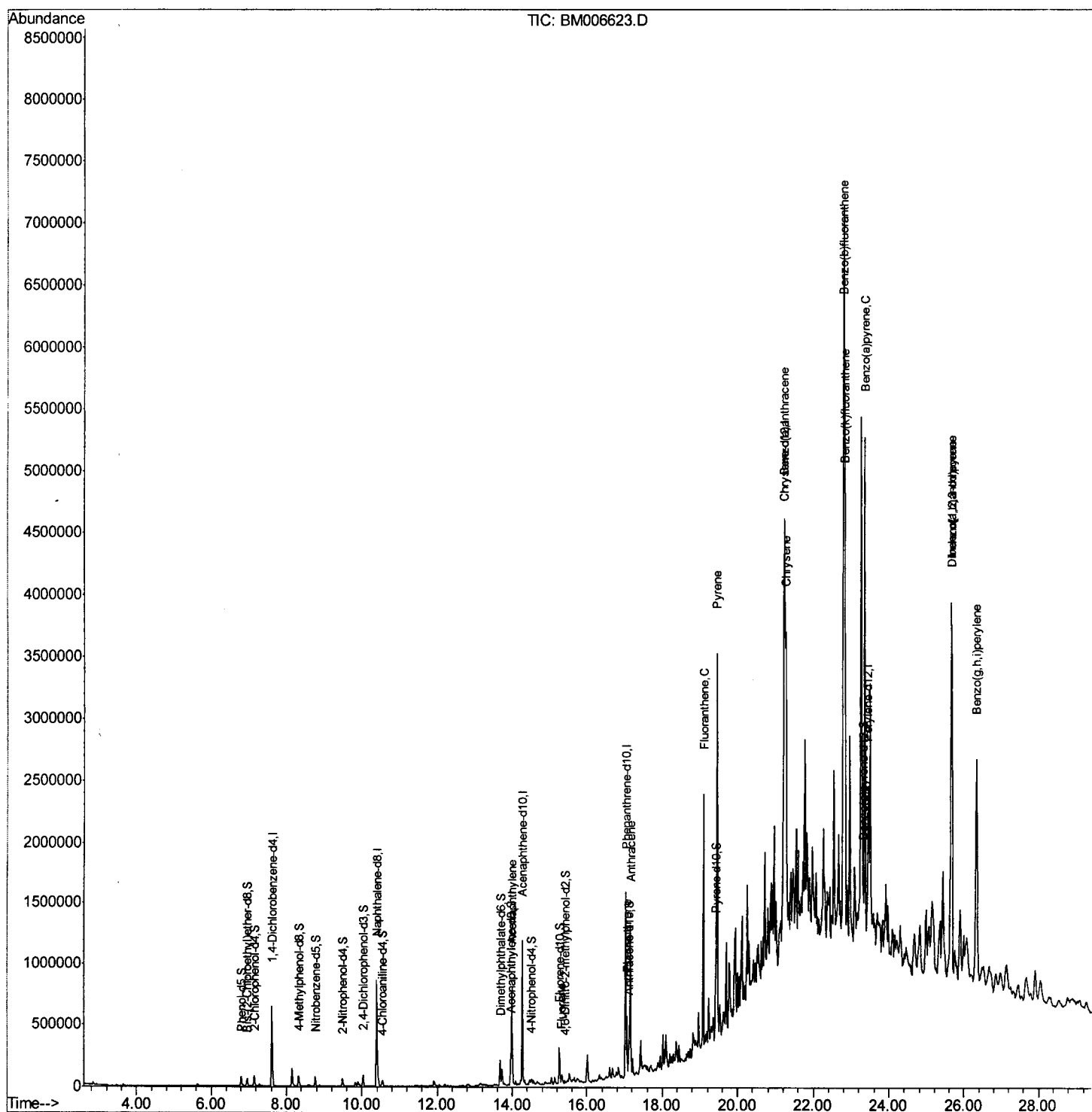
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Manual Integration

Quant Time: Jul 23 00:37:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

APPROVED
 sohil
 7/25/2016 6:39:46 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

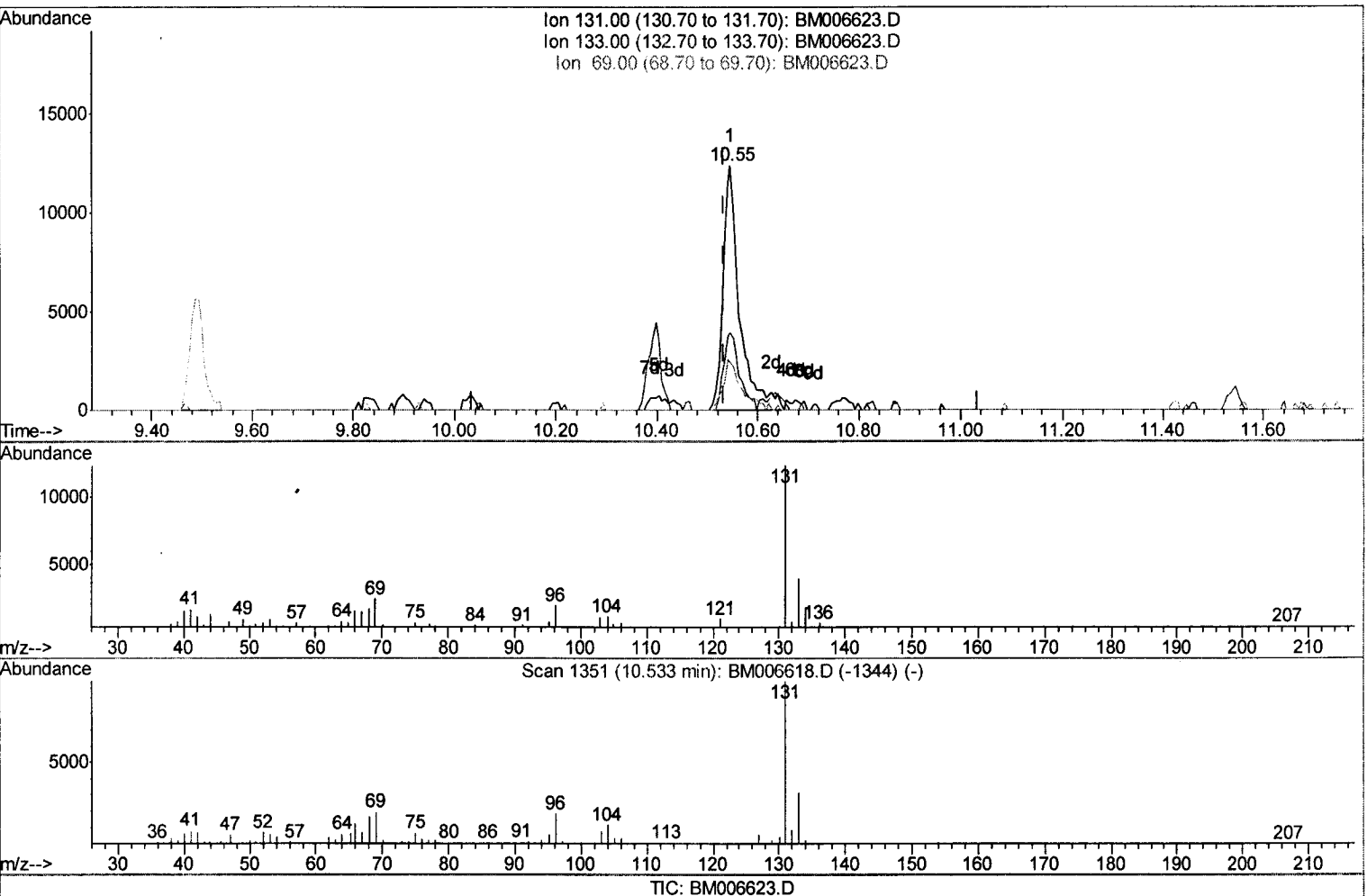
Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Manual Integration

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

sohil
 7/25/2016 6:39:46 PM

APPROVED



(12) 4-Chloroaniline-d4 (S)

10.546min (+0.012) 2.38ng/ul m

response 28421

Ion Exp% Act%

131.00	100	100
133.00	34.60	31.62
69.00	23.00	19.71
0.00	0.00	0.00

U.M
 07/26/16

Quantitation Report (Qedit)

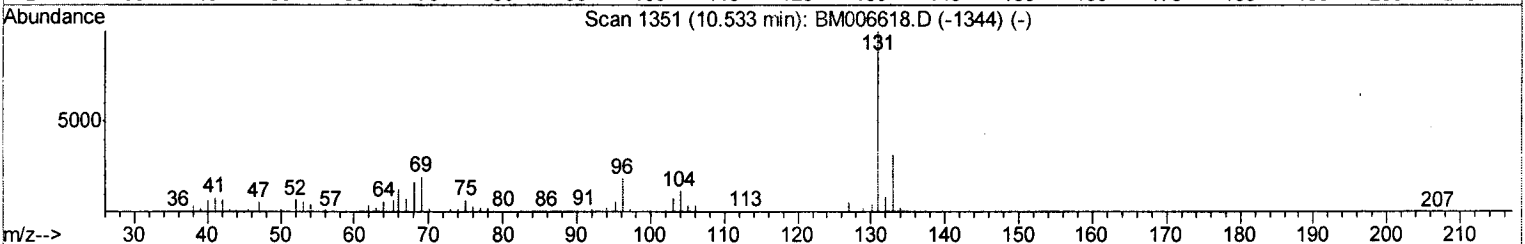
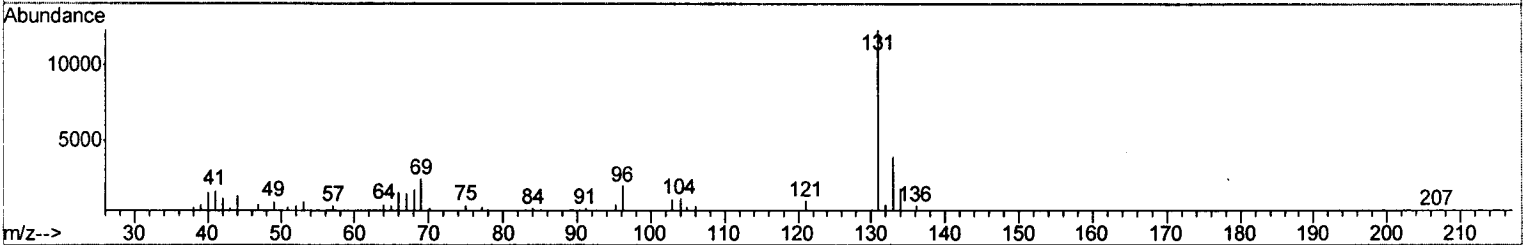
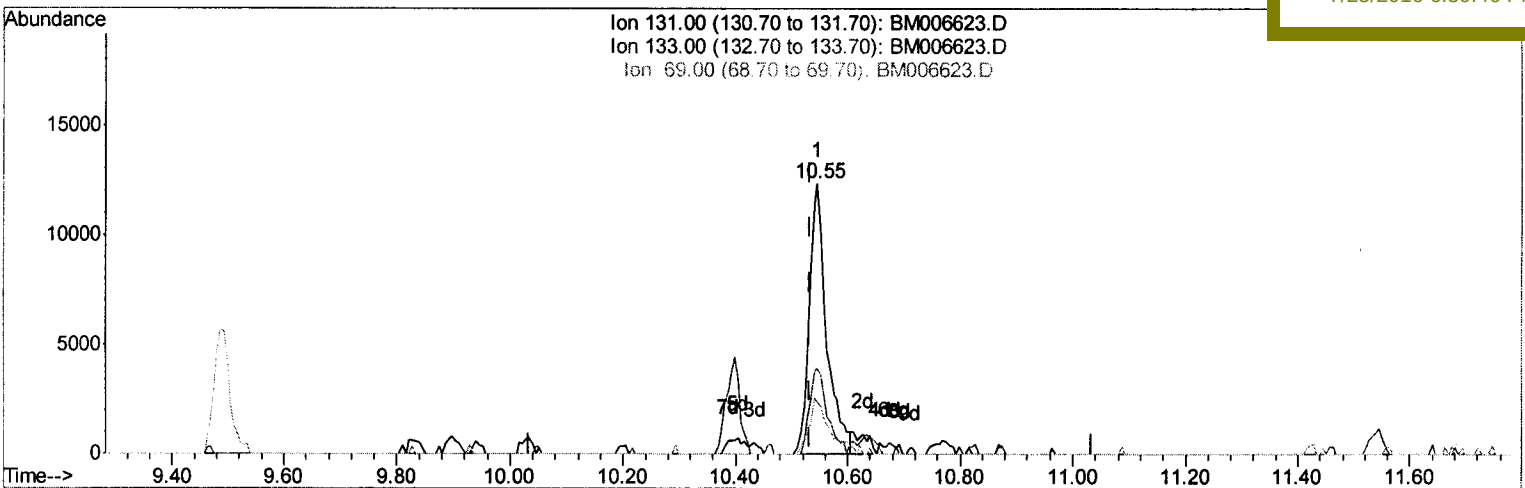
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9YT2

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Manual Integration

APPROVED
 sohil
 7/25/2016 6:39:46 PM



TIC: BM006623.D

(12) 4-Chloroaniline-d4 (S)

10.546min (+0.012) 2.24ng/ul

response 26648

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	31.62
69.00	23.00	19.71
0.00	0.00	0.00

Quantitation Report (Qedit)

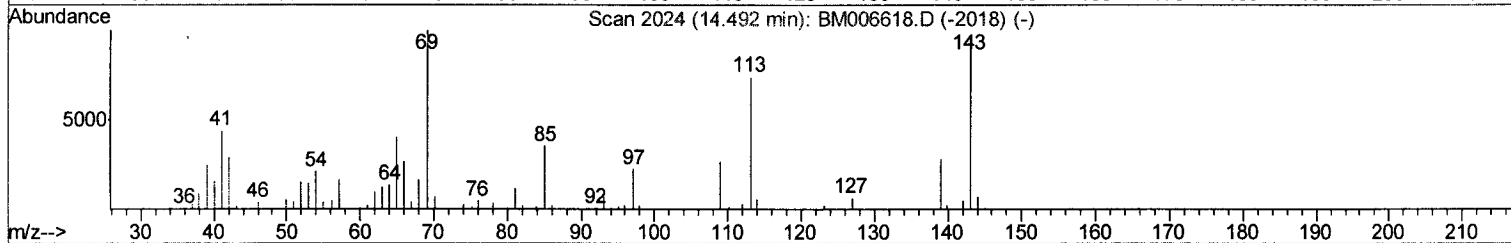
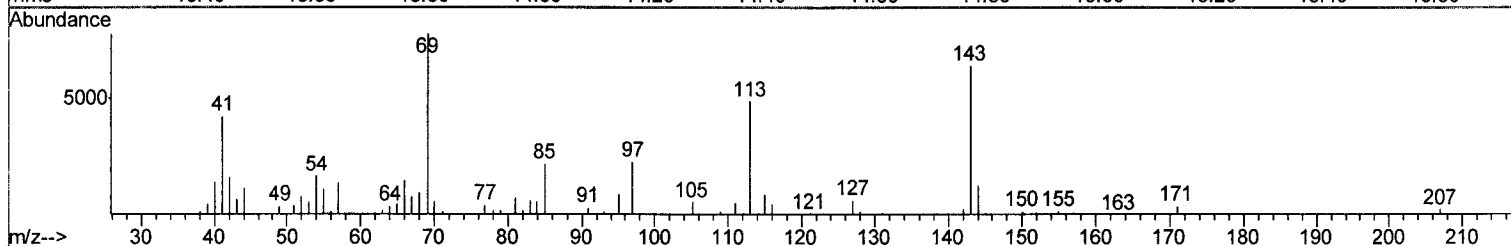
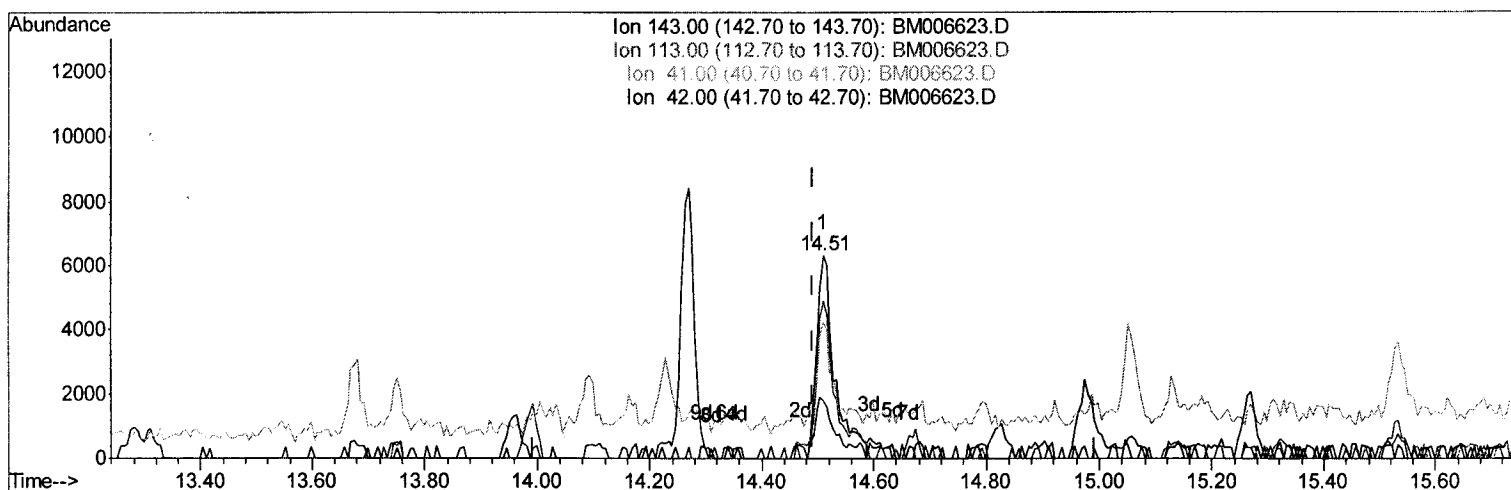
Data Path: Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File: BM006623.D
 Acq On: 22 Jul 2016 13:34
 Operator: UM/SJ
 Sample: H4077-18 5X
 Misc:
 ALS Vial: 7 Sample Multiplier: 1

Instrument:
 BNA_M
 Client Sample ID:
 D9YT2

Manual Integration

sohil
 7/25/2016 6:39:46 PM

Quant Time: Jul 23 00:17:25 2016
 Quant Method: Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title: SVOA CALIBRATION
 QLast Update: Sat Jul 23 00:16:38 2016
 Response via: Initial Calibration



TIC: BM006623.D

(20) 4-Nitrophenol-d4 (S)

14.510min (+0.018) 2.69ng/ul m

response 14483

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	77.49#
41.00	49.70	67.44#
42.00	33.70	28.25

UM
 07/26/16

Quantitation Report (Qedit)

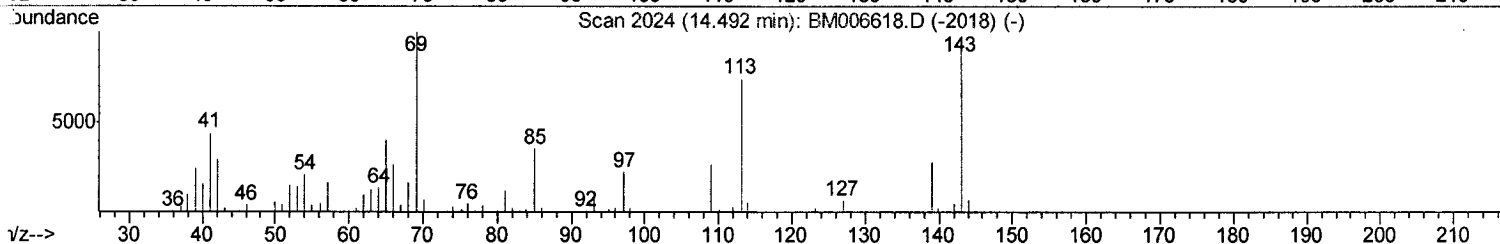
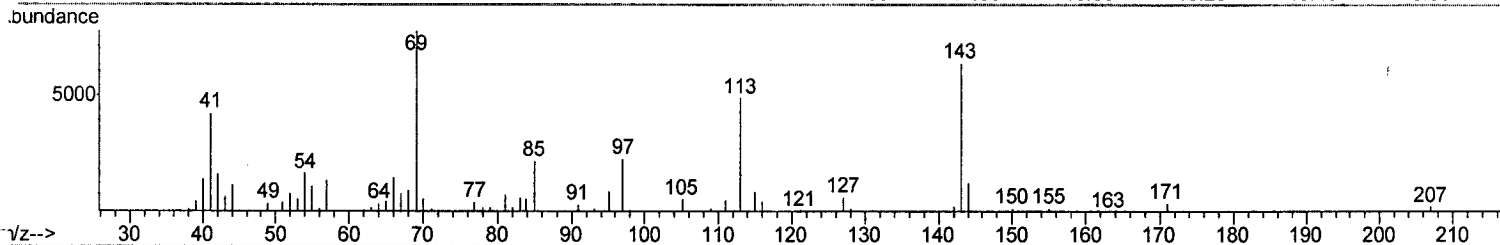
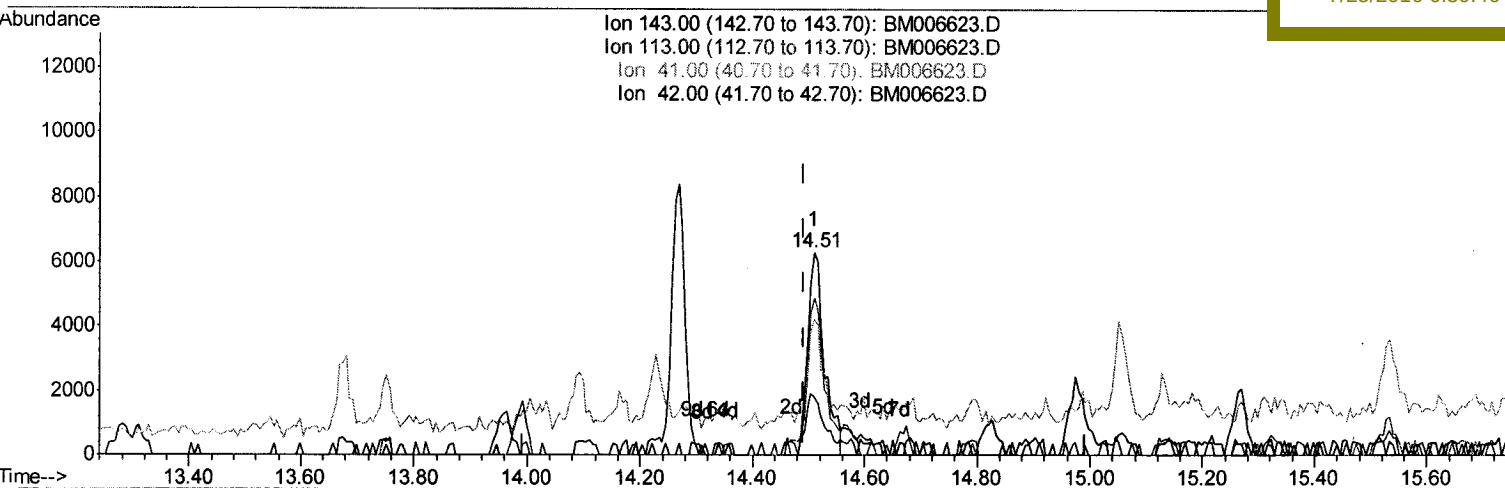
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9YT2

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Manual Integration

sohil
 7/25/2016 6:39:46 PM



TIC: BM006623.D

(20) 4-Nitrophenol-d4 (S)

14.510min (+0.018) 2.46ng/ul

response 13279

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	77.49#
41.00	49.70	67.44#
42.00	33.70	28.25

Quantitation Report (Qedit)

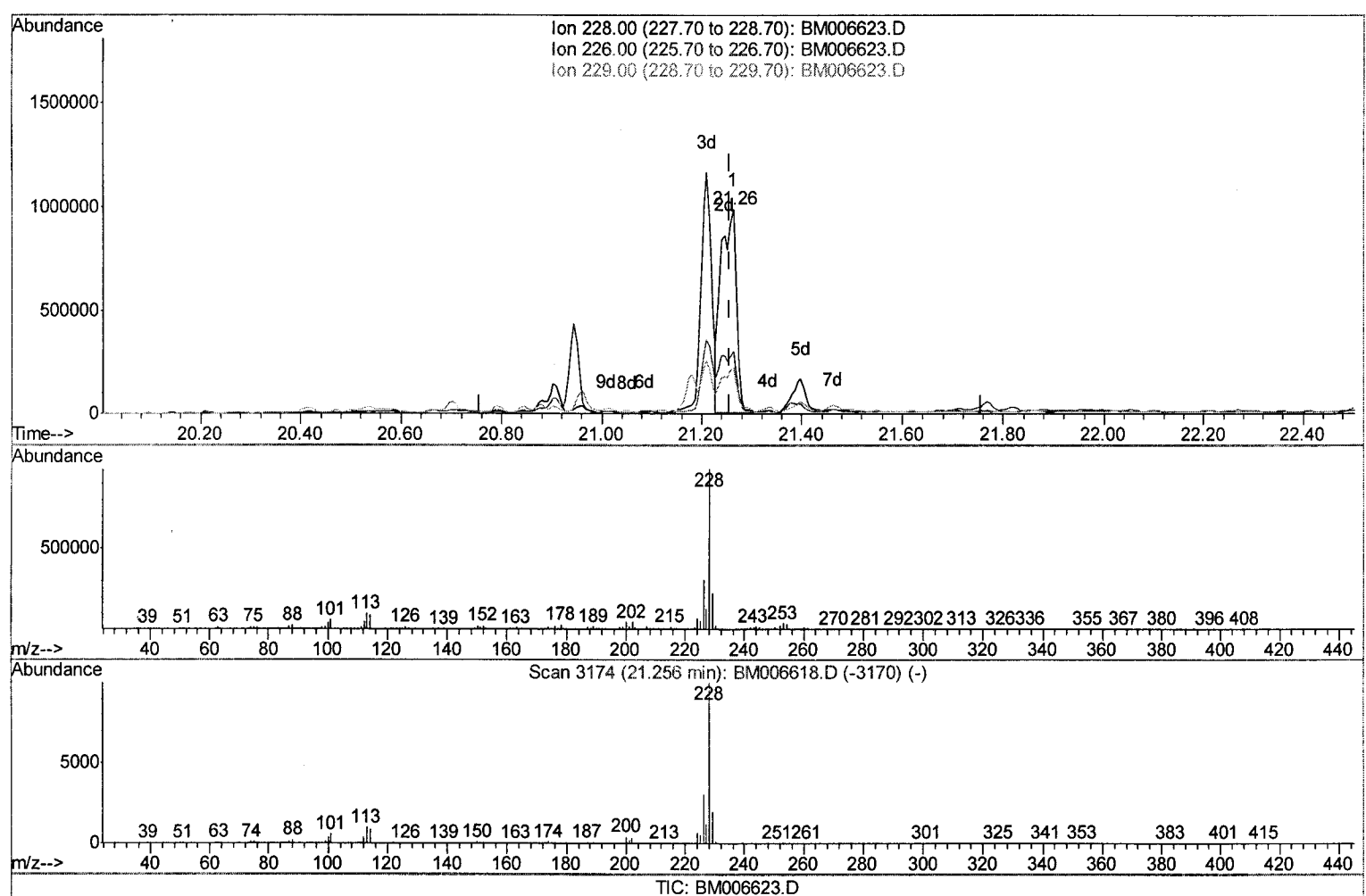
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Manual Integration

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

sohil
 7/25/2016 6:39:46 PM



(33) Chrysene

21.262min (+0.006) 43.94ng/ul m

response 2091497

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	30.87
229.00	20.20	22.35
0.00	0.00	0.00

U.M
 07/26/16

Quantitation Report (Qedit)

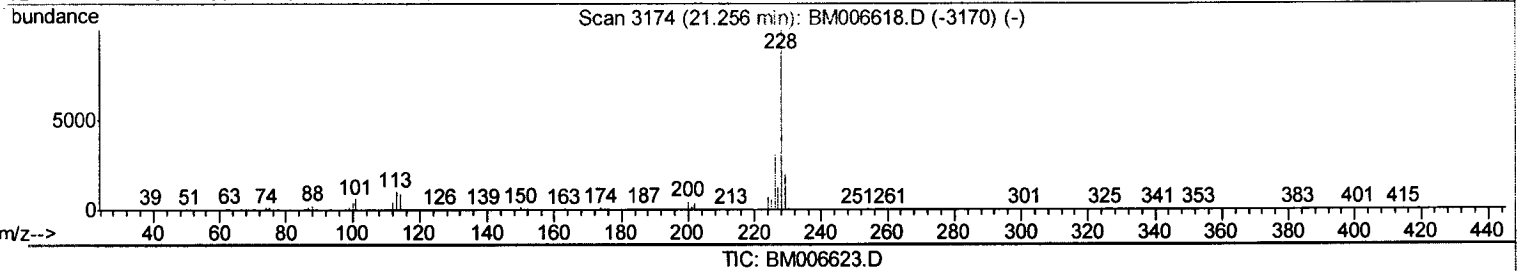
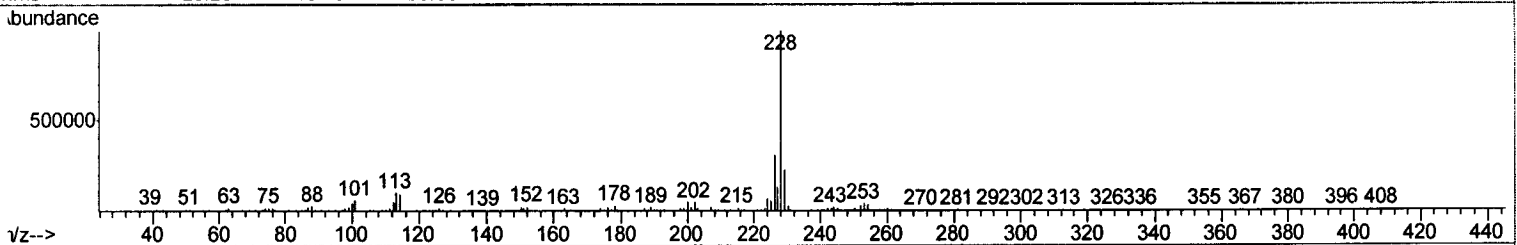
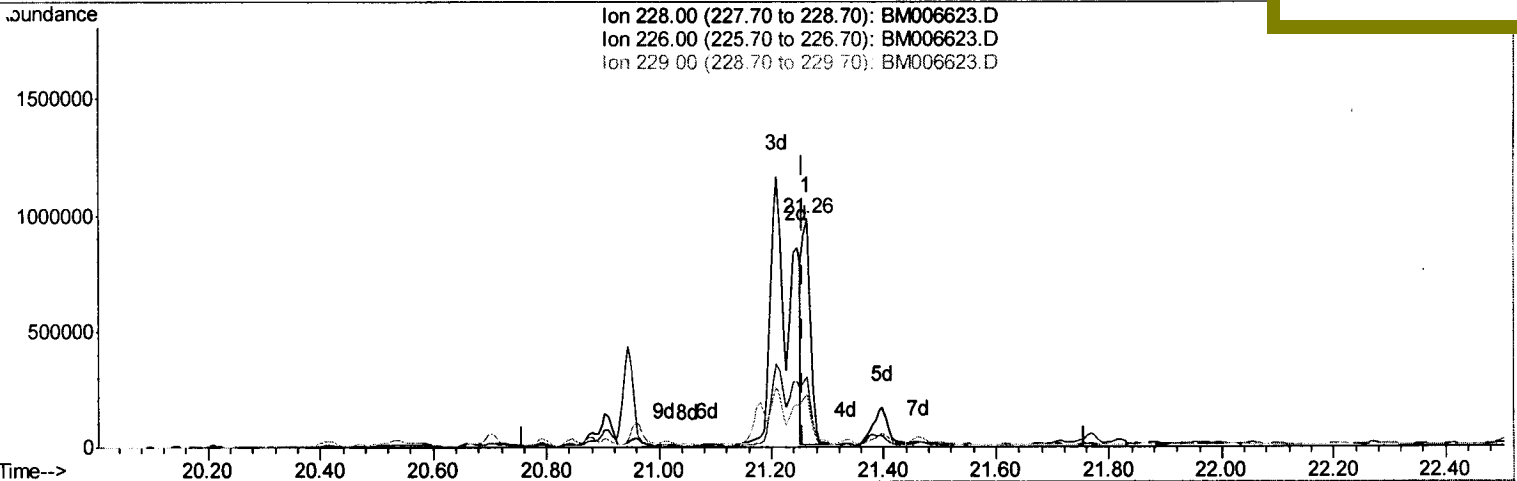
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Manual Integration

APPROVED
 sohil
 7/25/2016 6:39:46 PM



(33) Chrysene

21.262min (+0.006) 21.34ng/ul

response 1015563

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	30.87
229.00	20.20	22.35
0.00	0.00	0.00

Quantitation Report (Qedit)

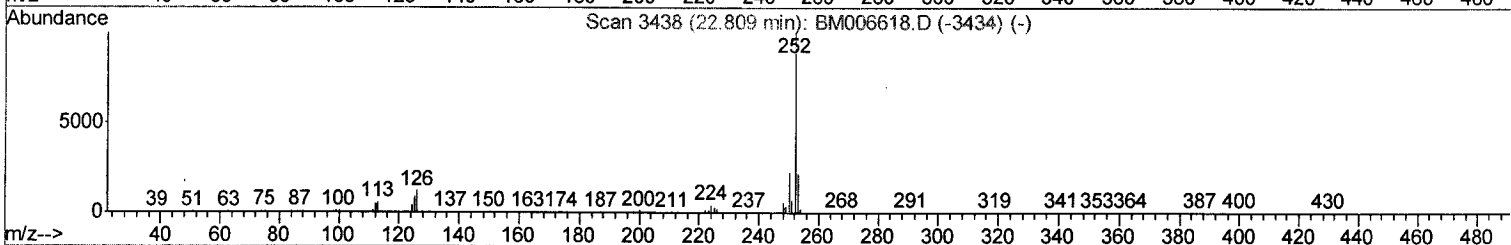
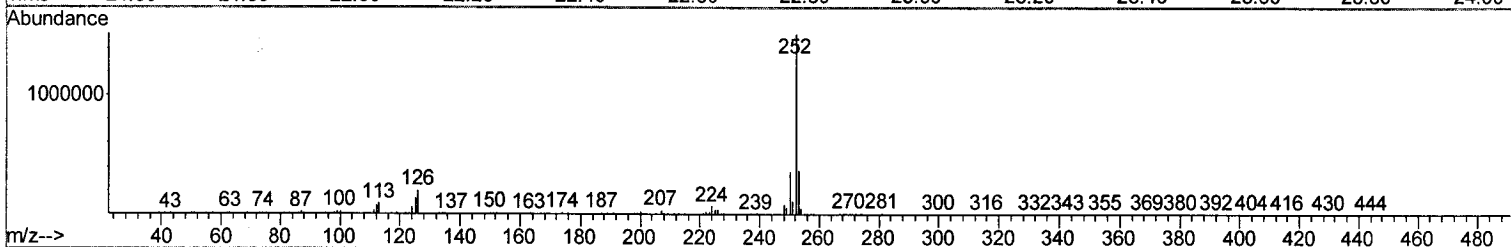
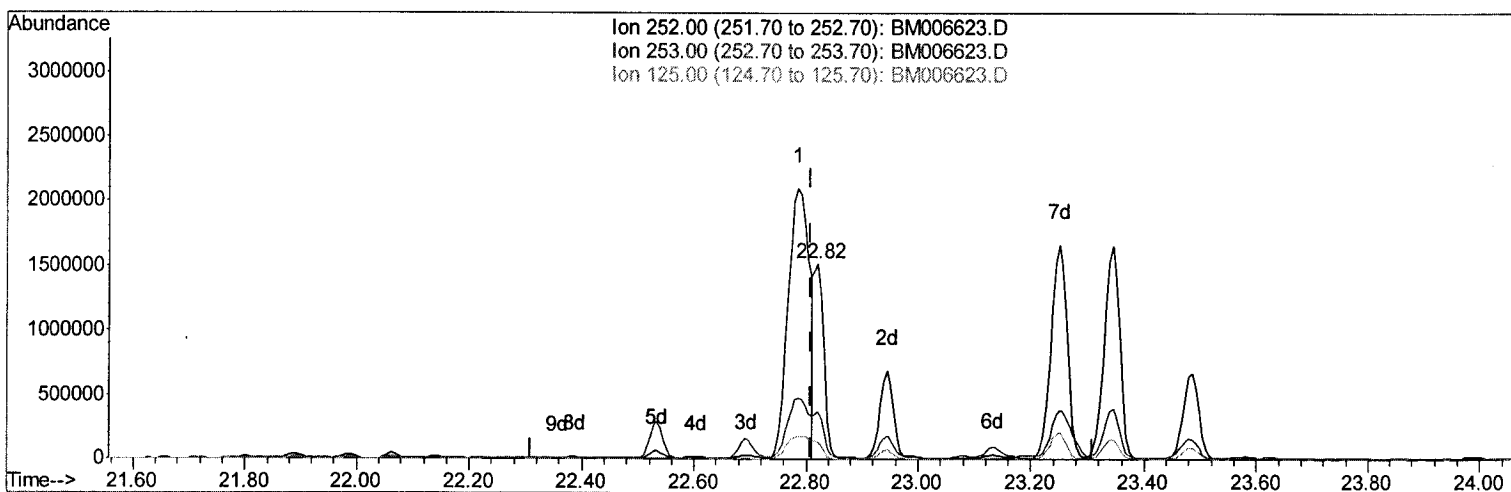
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Manual Integration

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

APPROVED
 sohil
 7/25/2016 6:39:46 PM



TIC: BM006623.D

(36) Benzo(k)fluoranthene

22.821min (+0.012) 33.39ng/ul m *u.m*

response 1923953

07/26/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.54
125.00	9.60	8.80
0.00	0.00	0.00

Quantitation Report (Qedit)

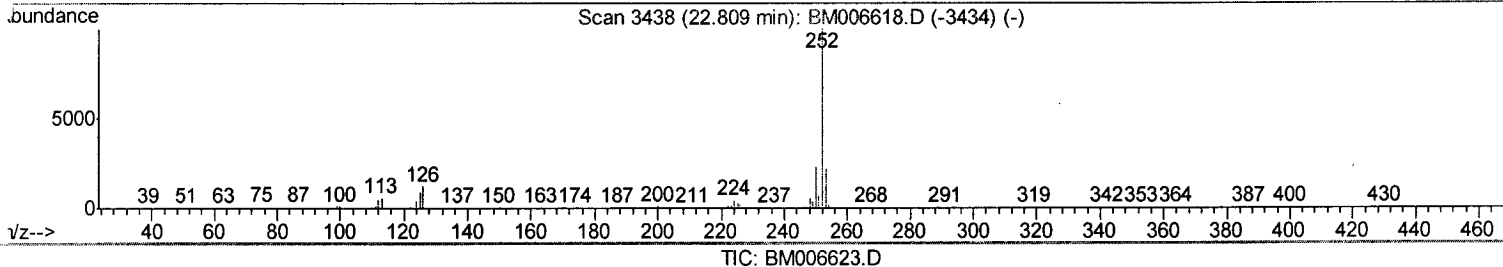
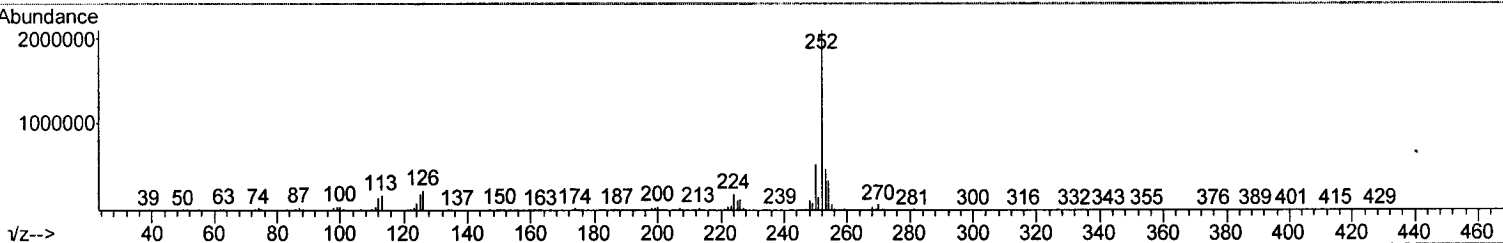
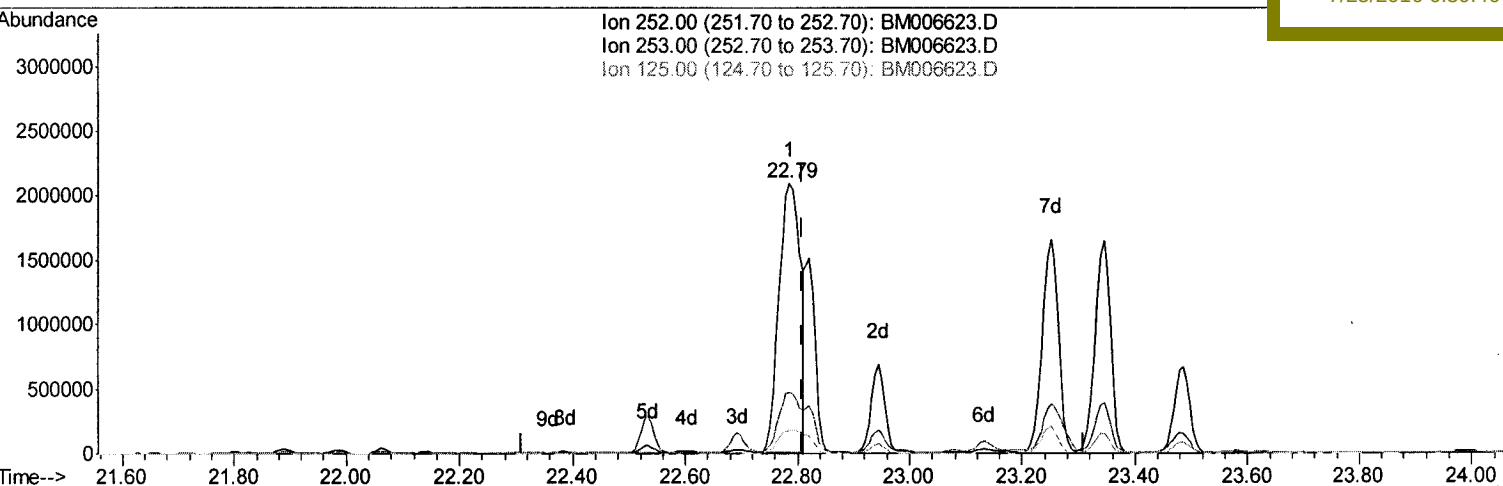
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9YT2

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Manual Integration

APPROVED
 sohil
 7/25/2016 6:39:46 PM



(36) Benzo(k)fluoranthene

22.786min (-0.023) 94.29ng/ul

response 5432588

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.87
125.00	9.60	8.78
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Quant Time: Jul 23 00:37:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Manual Integration

sohil
 7/25/2016 6:39:46 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	168926	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	711562	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	395838	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	883141	20.00	ng/ul	0.00
29) Chrysene-d12	21.23	240	851804	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	994070	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	1134	0.27	ng/uL	0.00
3) Phenol-d5	6.80	99	45974	3.20	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	30910	3.47	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	37398	3.26	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	33222	2.98	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	17026	3.16	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	18329	3.20	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	35548	3.28	ng/ul	0.00
12) 4-Chloroaniline-d4	10.55	131	28421m	2.38	ng/ul	0.01
16) Dimethylphthalate-d6	13.68	166	108874	3.51	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	143435	3.62	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	14483m	2.69	ng/ul	0.02
21) Fluorene-d10	15.26	176	104684	3.77	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	4740	1.03	ng/ul	0.00
26) Anthracene-d10	17.12	188	159319	3.80	ng/ul	0.00
30) Pyrene-d10	19.42	212	173001	4.46	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	167302	3.66	ng/ul	0.02

Target Compounds

						Qvalue
18) Acenaphthylene	13.99	152	592391	13.96	ng/ul	95
22) Fluorene	15.32	166	34597	1.13	ng/ul	97
25) Phenanthrene	17.06	178	300893	6.06	ng/ul	99
27) Anthracene	17.15	178	732023	14.31	ng/ul	98
28) Fluoranthene	19.09	202	1210804	20.75	ng/ul	98
31) Pyrene	19.45	202	1955757	37.92	ng/ul	97
32) Benzo(a)anthracene	21.21	228	1734214	33.59	ng/ul	93
33) Chrysene	21.26	228	2091497m	43.94	ng/ul	
35) Benzo(b)fluoranthene	22.79	252	5432588	91.17	ng/ul	99
36) Benzo(k)fluoranthene	22.82	252	1923953m	33.39	ng/ul	
38) Benzo(a)pyrene	23.34	252	3159604	54.48	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.66	276	2784719	41.46	ng/ul	97
40) Dibenzo(a,h)anthracene	25.64	278	936327	16.82	ng/ul	93
41) Benzo(g,h,i)perylene	26.33	276	2348630	40.80	ng/ul	96

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