

(QT Reviewed)

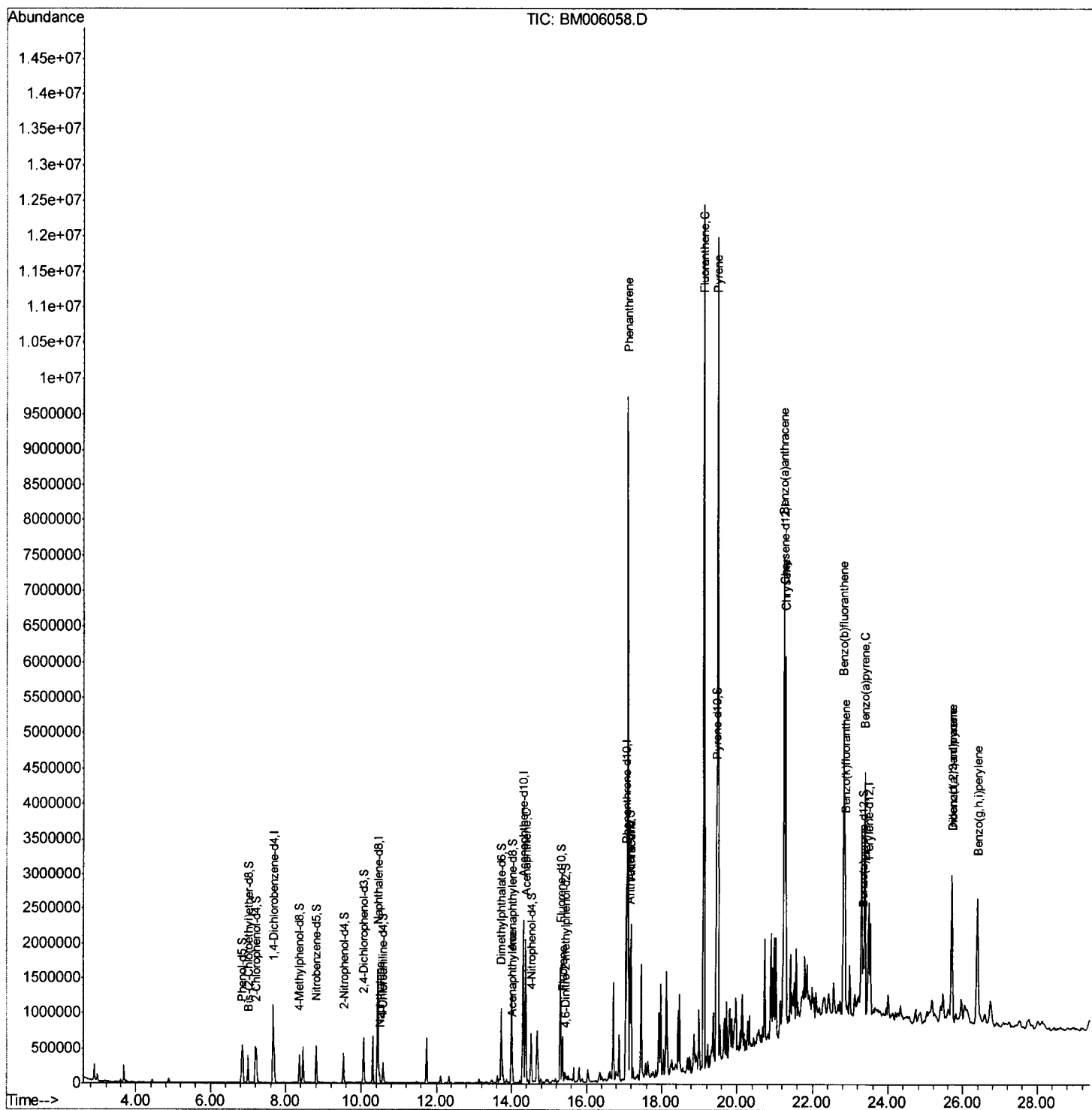
```
Data Path   : Z:\HPCHEM1\BNA_M\DATA\BM062616\  
Data File  : BM006058.D  
Acq On     : 27 Jun 2016   02:23  
Operator   : UM/SJ  
Sample     : H3671-13MSD 2X  
Misc       :  
ALS Vial   : 26      Sample Multiplier: 1
```

Instrument :
BNA_M
ClientSampleId :
D9YA5MSD

Manual Integrations APPROVED

sohil
6/27/2016 8:06:23 PM

Quant Time: Jun 27 06:20:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 27 05:15:31 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

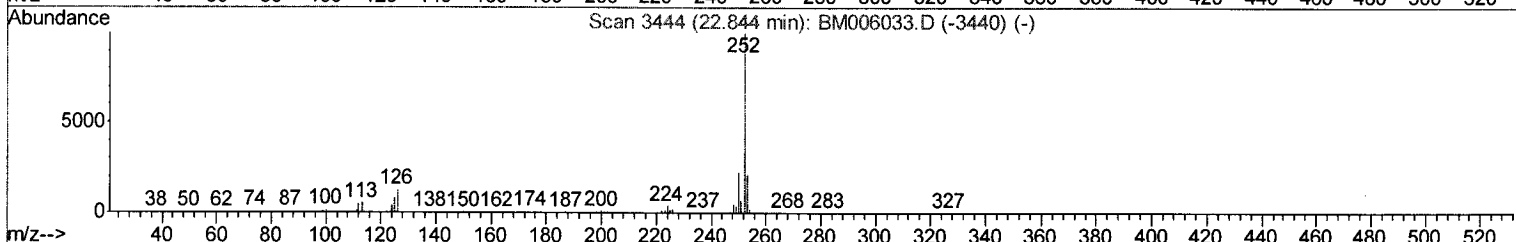
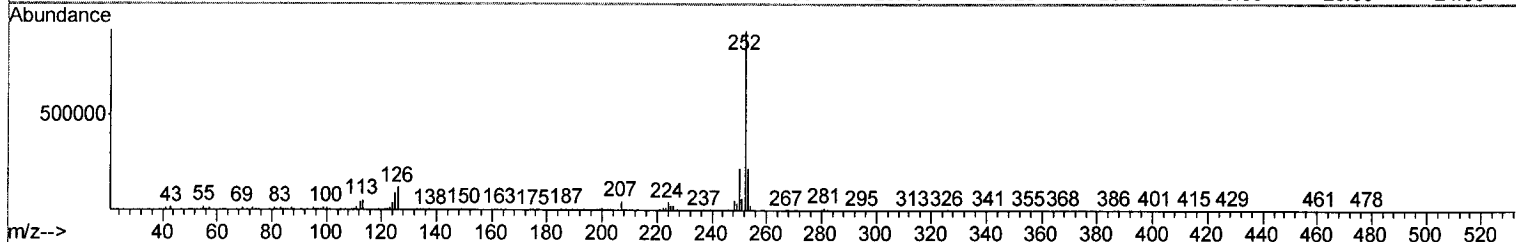
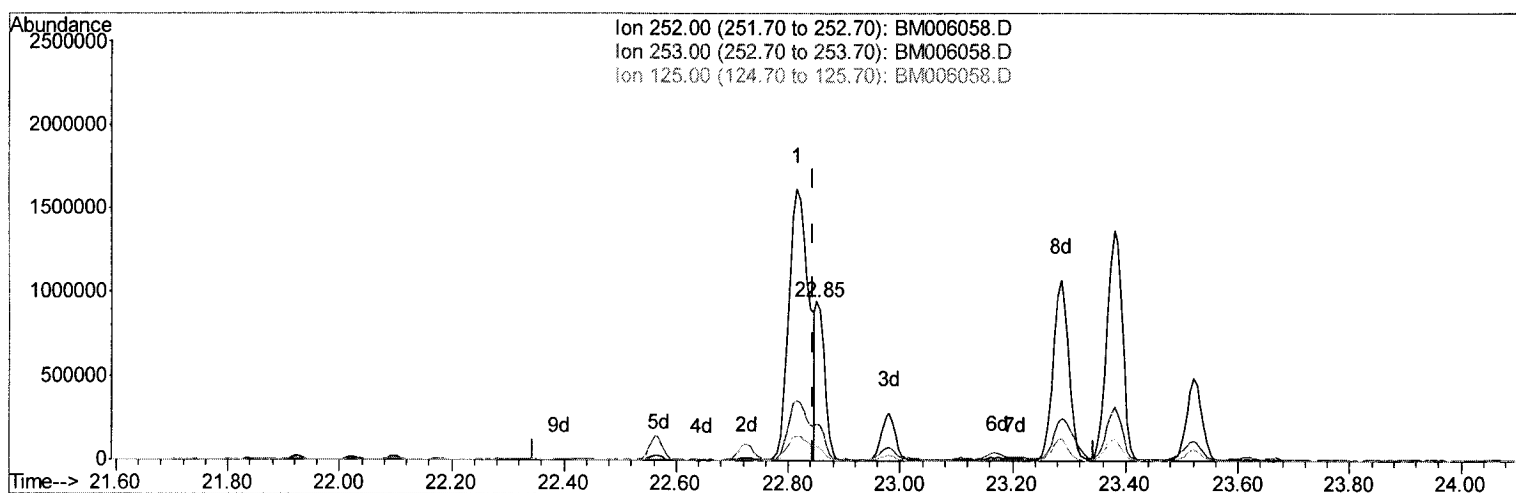
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006058.D
 Acq On : 27 Jun 2016 02:23
 Operator : UM/SJ
 Sample : H3671-13MSD 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5MSD

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:06:23 PM

Quant Time: Jun 27 05:19:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration



TIC: BM006058.D

(36) Benzo(k)fluoranthene

22.850min (+0.006) 16.81ng/ul m *UM*
06/28/16
 response 1090179

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.52
125.00	8.70	9.72
0.00	0.00	0.00

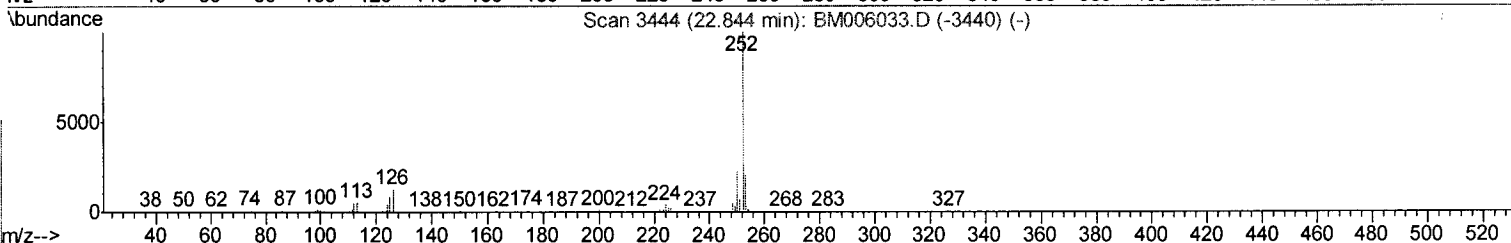
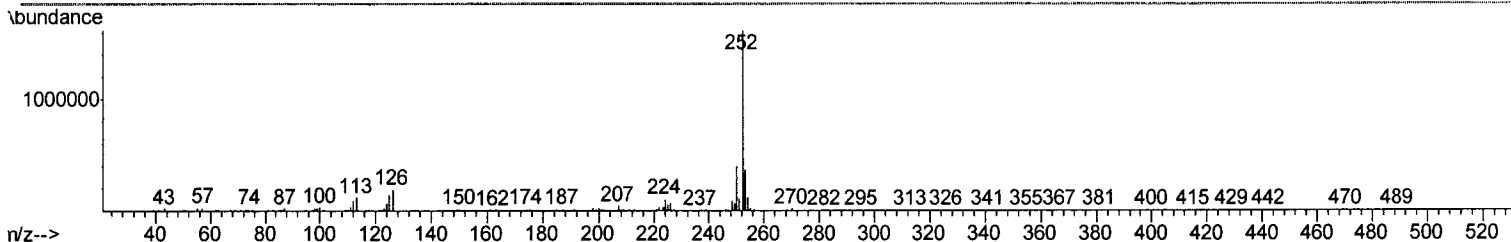
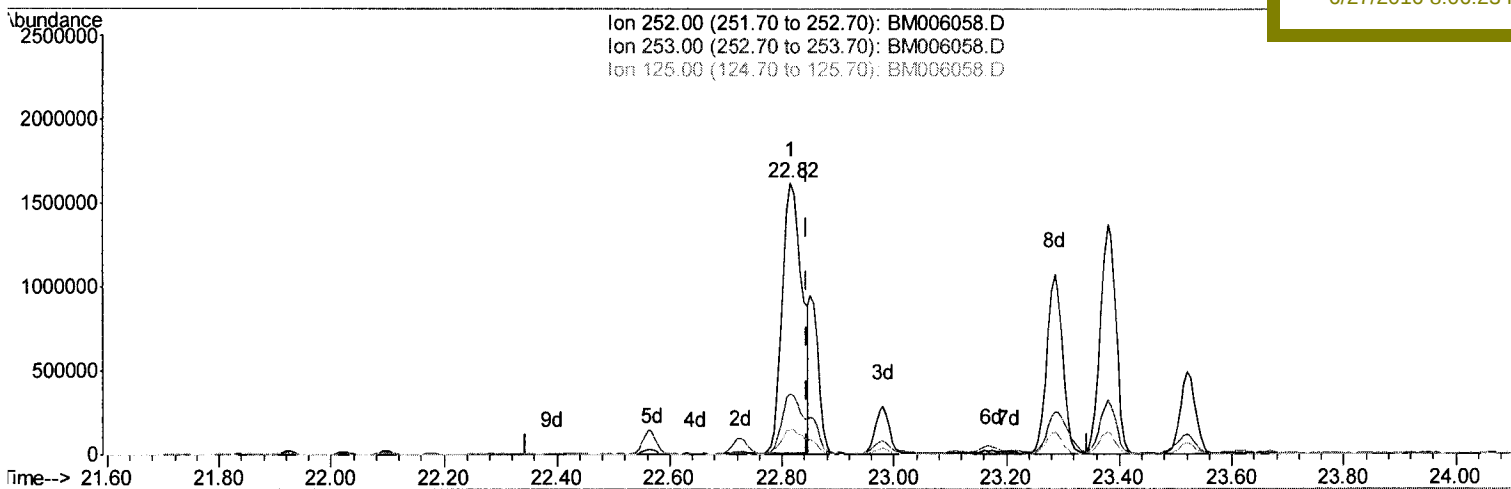
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006058.D
Acq On : 27 Jun 2016 02:23
Operator : UM/SJ
Sample : H3671-13MSD 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YA5MSD

Quant Time: Jun 27 05:19:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 27 05:15:31 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:23 PM



TIC: BM006058.D

(36) Benzo(k)fluoranthene

22.815min (-0.029) 60.79ng/ul

response 3943325

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.51
125.00	8.70	9.22
0.00	0.00	0.00

Quantitation Report (Qedit)

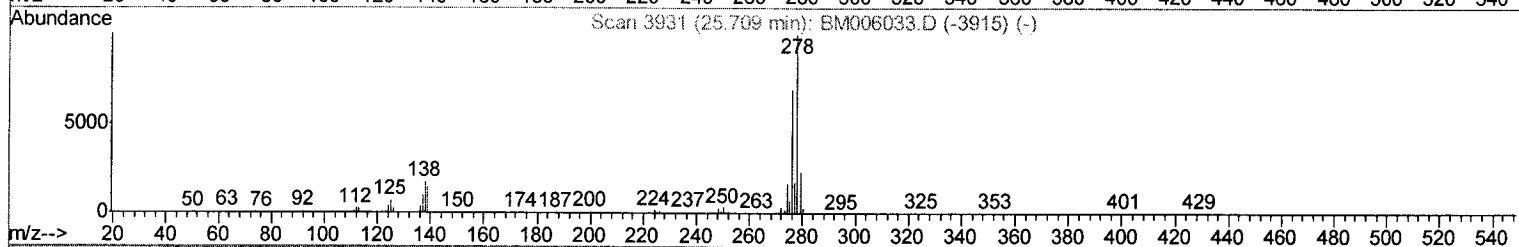
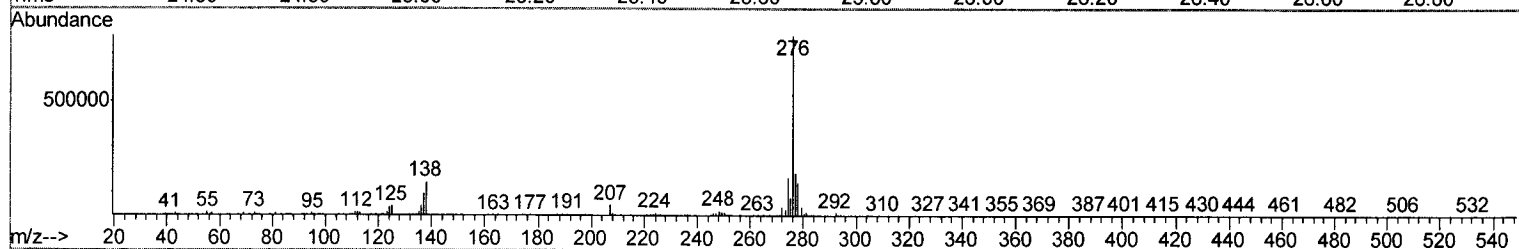
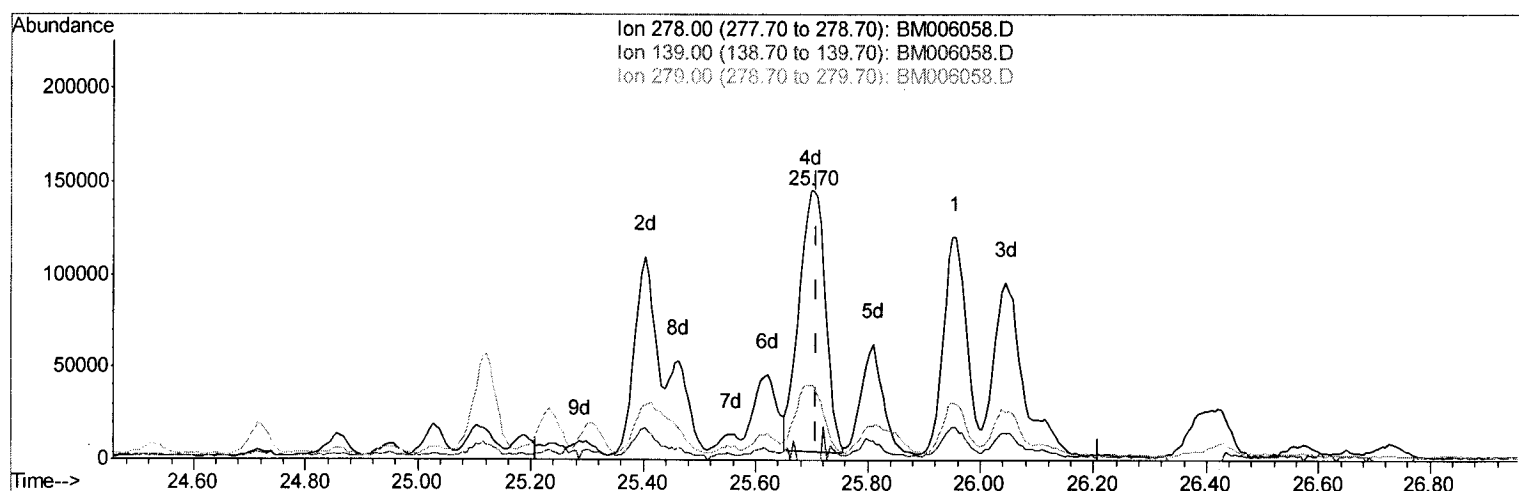
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006058.D
 Acq On : 27 Jun 2016 02:23
 Operator : UM/SJ
 Sample : H3671-13MSD 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5MSD

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:06:23 PM

Quant Time: Jun 27 05:19:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration



TIC: BM006058.D

(40) Dibenzo(a,h)anthracene

25.697min (-0.012) 6.90ng/ul m UM

response 457524

06/28/16

Ion	Exp%	Act%
278.00	100	100
139.00	14.30	0.00#
279.00	23.50	27.85
0.00	0.00	0.00

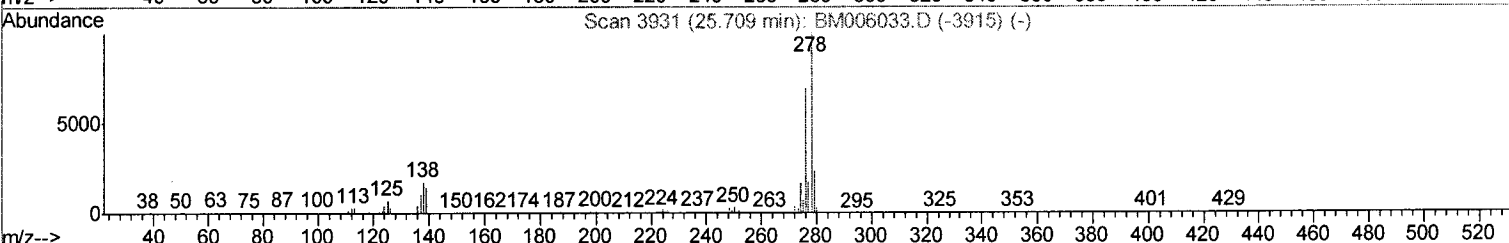
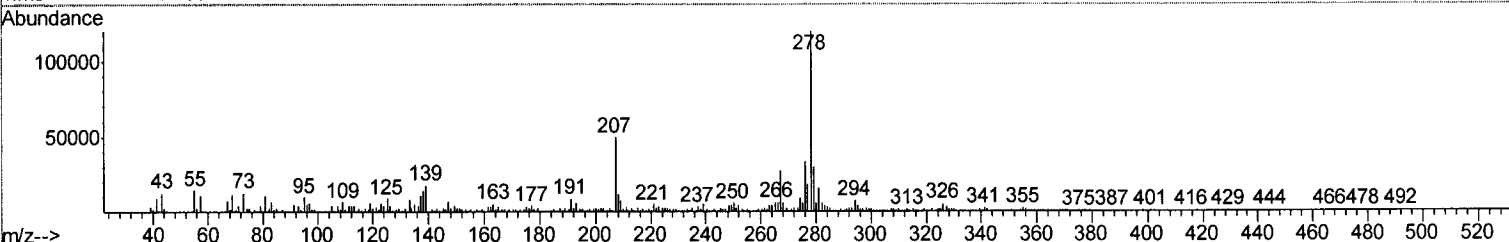
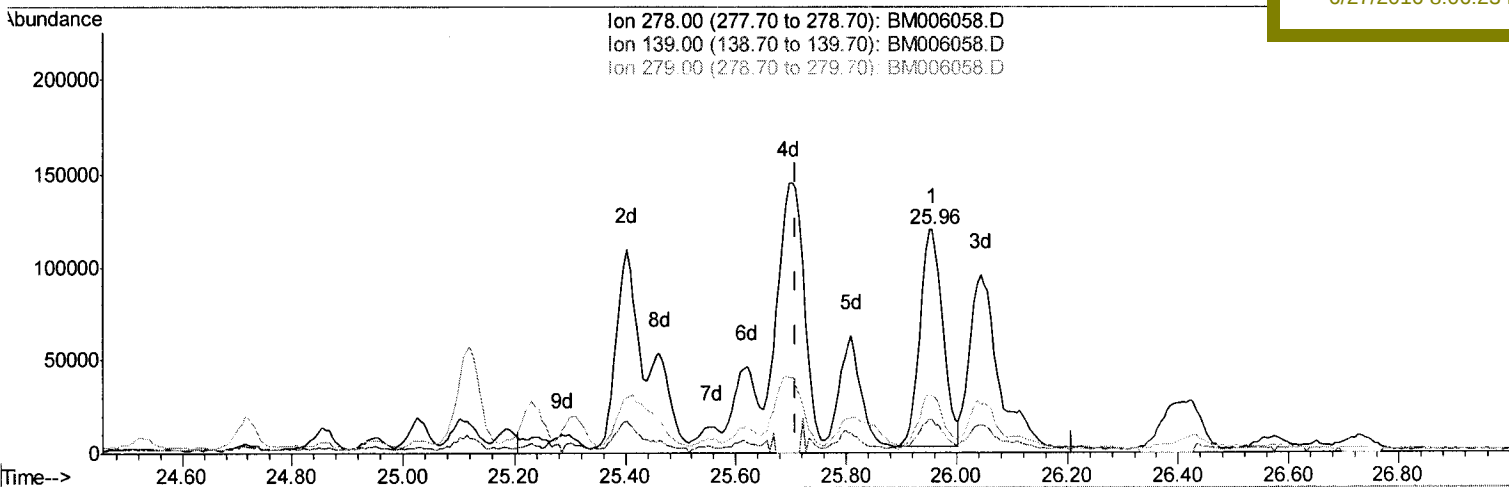
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006058.D
Acq On : 27 Jun 2016 02:23
Operator : UM/SJ
Sample : H3671-13MSD 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YA5MSD

Quant Time: Jun 27 05:19:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 27 05:15:31 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:23 PM



TIC: BM006058.D

(40) Dibenzo(a,h)anthracene

25.956min (+0.247) 5.10ng/ul

response 338201

Ion	Exp%	Act%
278.00	100	100
139.00	14.30	14.85
279.00	23.50	25.05
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006058.D
 Acq On : 27 Jun 2016 02:23
 Operator : UM/SJ
 Sample : H3671-13MSD 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5MSD

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:06:23 PM

Quant Time: Jun 27 06:20:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	284382	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1346453	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	782378	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1726908	20.00	ng/ul	0.01
29) Chrysene-d12	21.26	240	1284072	20.00	ng/ul	0.01
34) Perylene-d12	23.47	264	1200162	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4725	0.74	ng/uL	0.00
3) Phenol-d5	6.83	99	267490	8.94	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	172823	10.38	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	213273	10.24	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	142053	5.63	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	114750	11.19	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	121140	10.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	225775	10.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	152824	6.44	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	690023	10.30	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	900669	11.59	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	94330	6.60	ng/ul	0.01
21) Fluorene-d10	15.30	176	630639	11.03	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	27881	2.91	ng/ul	0.01
26) Anthracene-d10	17.16	188	934218	11.78	ng/ul	0.00
30) Pyrene-d10	19.46	212	904625	16.08	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.33	264	637967	11.77	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	106651	1.59	ng/ul	98
18) Acenaphthylene	14.03	152	170458	2.08	ng/ul	96
19) Acenaphthene	14.37	153	825440	15.87	ng/ul	99
22) Fluorene	15.36	166	287515	4.59	ng/ul	99
25) Phenanthrene	17.10	178	6220946	66.97	ng/ul	99
27) Anthracene	17.19	178	1342690	14.00	ng/ul	100
28) Fluoranthene	19.13	202	8902211	74.82	ng/ul	97
31) Pyrene	19.49	202	8350267	113.59	ng/ul	97
32) Benzo(a)anthracene	21.24	228	3196044	41.90	ng/ul	98
33) Chrysene	21.29	228	3067677	44.02	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	3943325	56.55	ng/ul	98
36) Benzo(k)fluoranthene	22.85	252	1090179m	16.81	ng/ul	
38) Benzo(a)pyrene	23.38	252	2632686	39.38	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.70	276	2213737	27.77	ng/ul	97
40) Dibenzo(a,h)anthracene	25.70	278	457524m	6.90	ng/ul	
41) Benzo(g,h,i)perylene	26.39	276	2347250	34.05	ng/ul	99

U.M
 06/28/16

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