

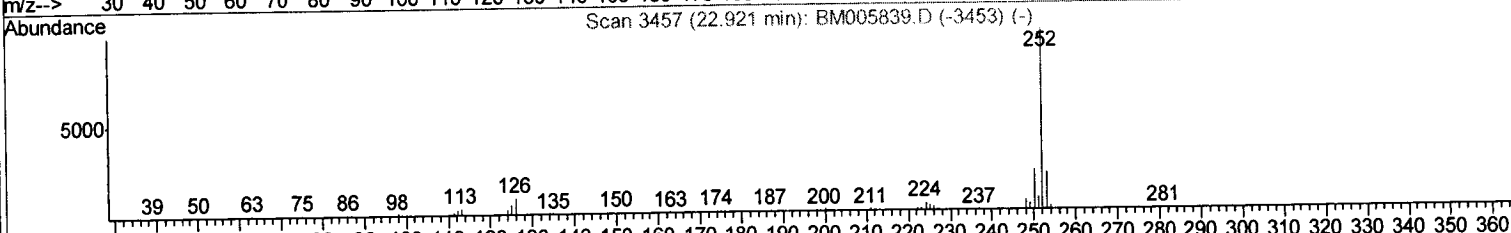
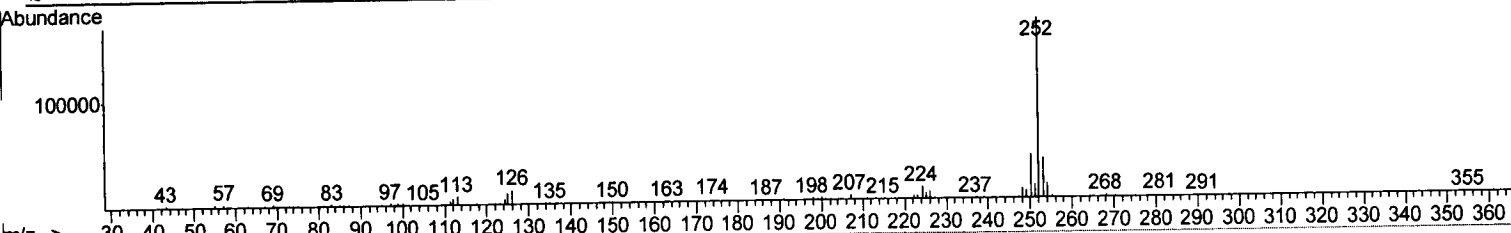
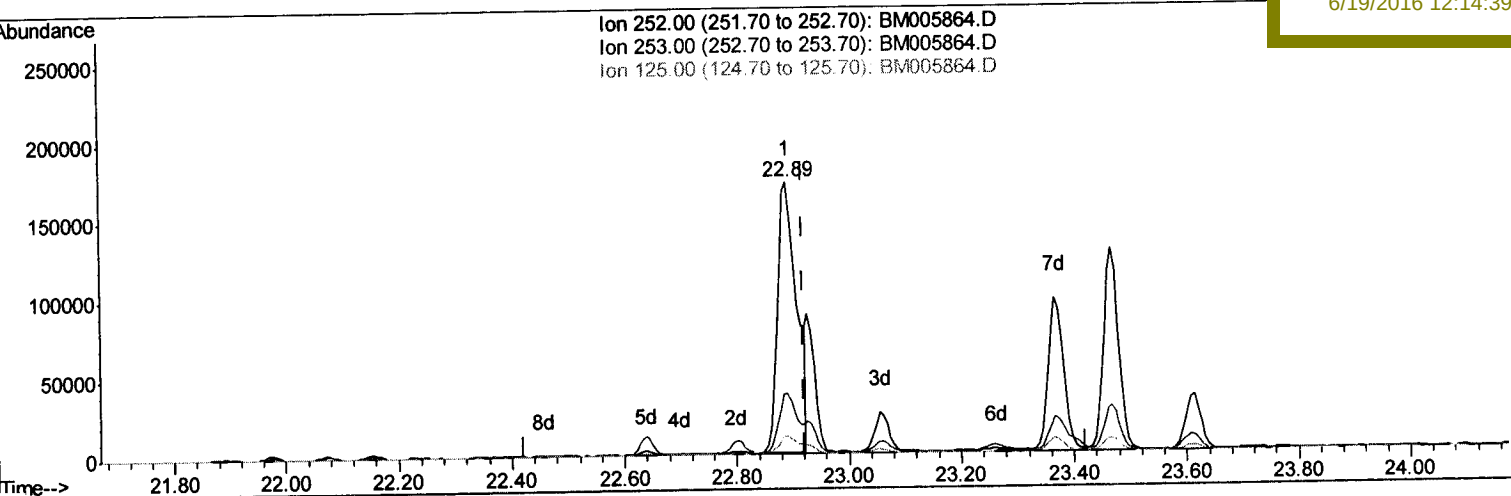
Data Path : Z:\HPCHEM1\BNA_M\Data\BM061816\
Data File : BM005864.D
Acq On : 17 Jun 2016 16:34
Operator : UM/SJ
Sample : H3535-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9Y05

Manual Integrations
APPROVED

umangi
6/19/2016 12:14:39 AM

Quant Time: Jun 17 17:28:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 17 10:48:37 2016
Response via : Initial Calibration



TIC: BM005864.D

(36) Benzo(k)fluoranthene
22.891min (-0.029) 43.54ng/ul
response 396906

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.25
125.00	6.00	6.48
0.00	0.00	0.00

Quantitation Report (Qedit)

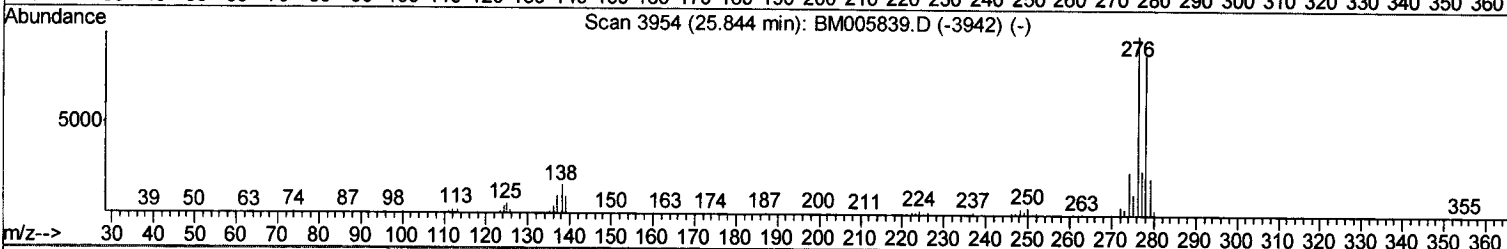
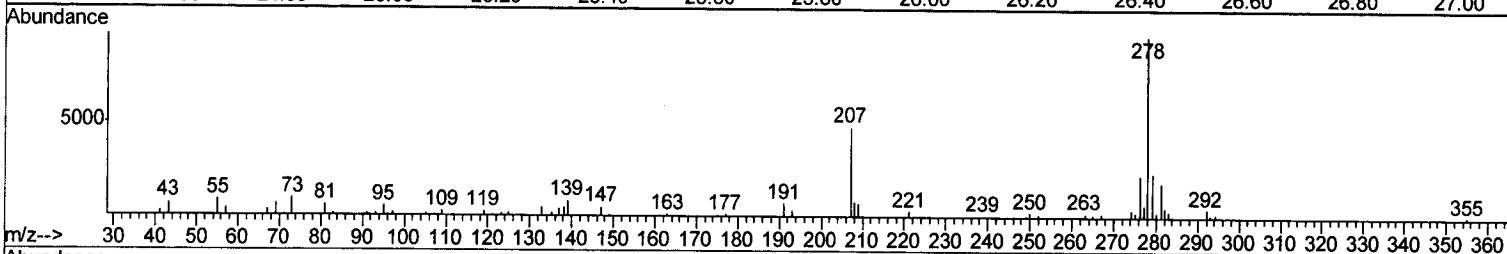
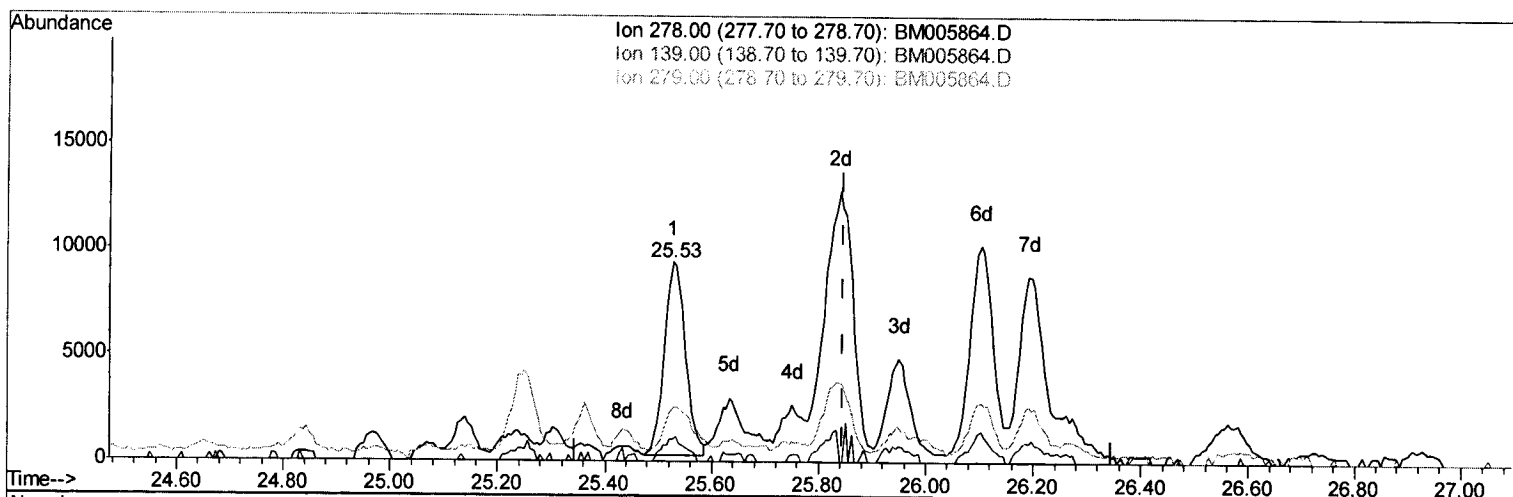
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TIC: BM005864.D

(40) Dibenzo(a,h)anthracene

25.527min (-0.318) 2.68ng/ul

response 24958

Ion	Exp%	Act%
278.00	100	100
139.00	10.30	11.39
279.00	23.20	27.07
0.00	0.00	0.00

Quantitation Report (Qedit)

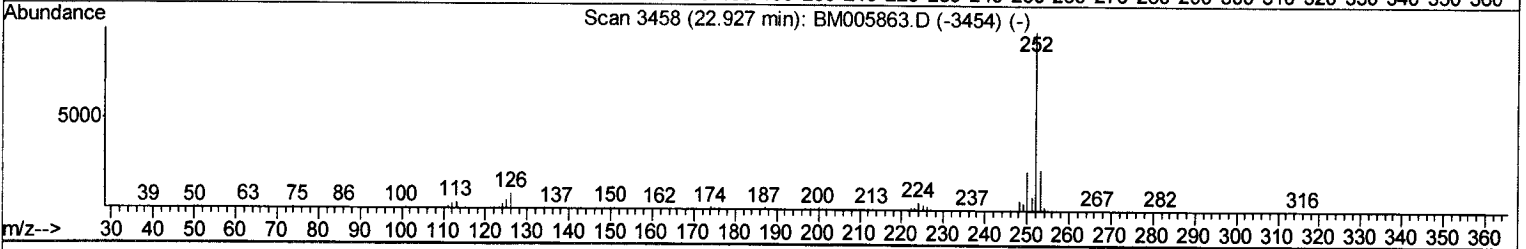
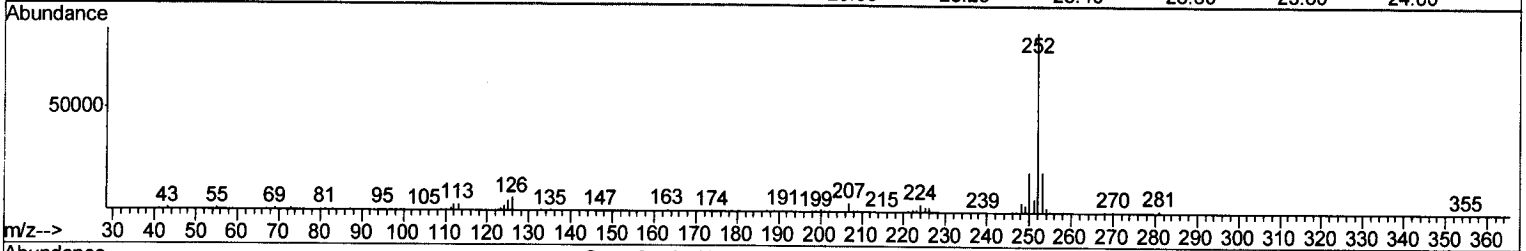
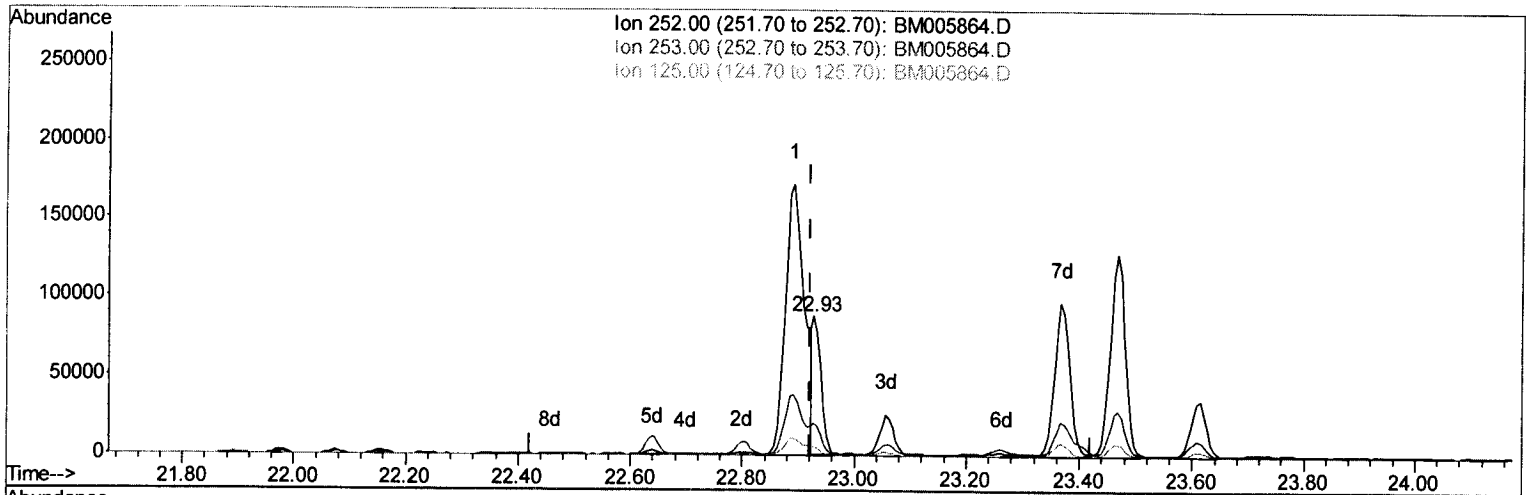
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 Operator : UM/SJ
 Sample : H3535-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y05

Manual Integrations
 APPROVED

umangi
 6/19/2016 12:14:39 AM

Quant Time: Jun 17 17:32:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 10:48:37 2016
 Response via : Initial Calibration



TIC: BM005864.D

(36) Benzo(k)fluoranthene

22.927min (+0.006) 10.19ng/ul m

response 92925

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.03
125.00	6.00	6.05
0.00	0.00	0.00

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 06/20/16

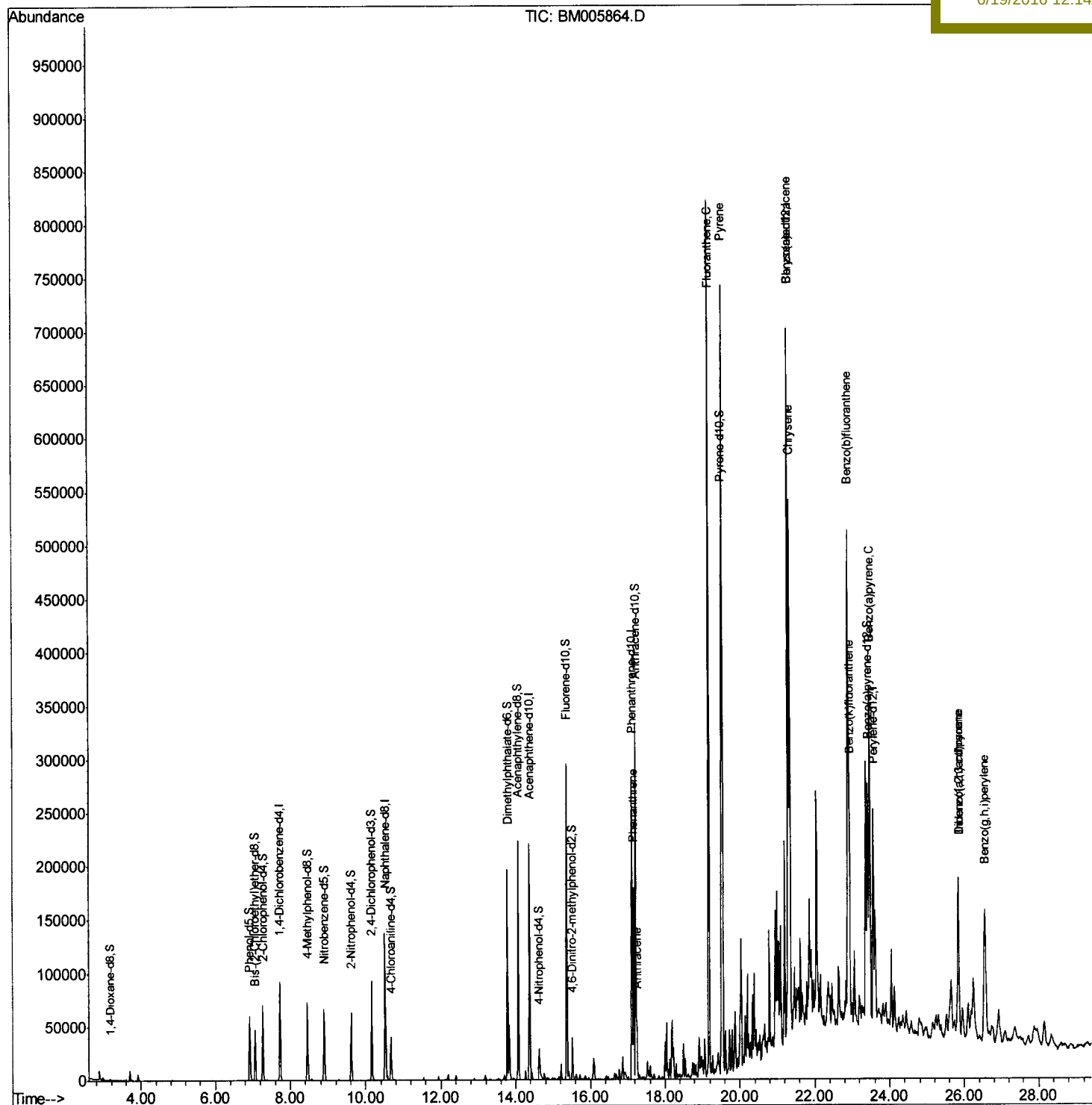
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Data File : BM005864.D
Acq On : 17 Jun 2016 16:34
Operator : UM/SJ
Sample : H3535-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9Y05

Quant Time: Jun 17 17:32:43 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
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Manual Integrations
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umangi
6/19/2016 12:14:39 AM



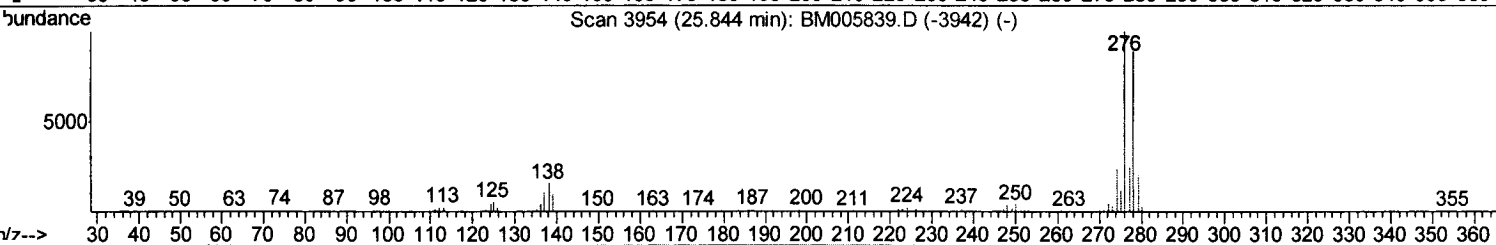
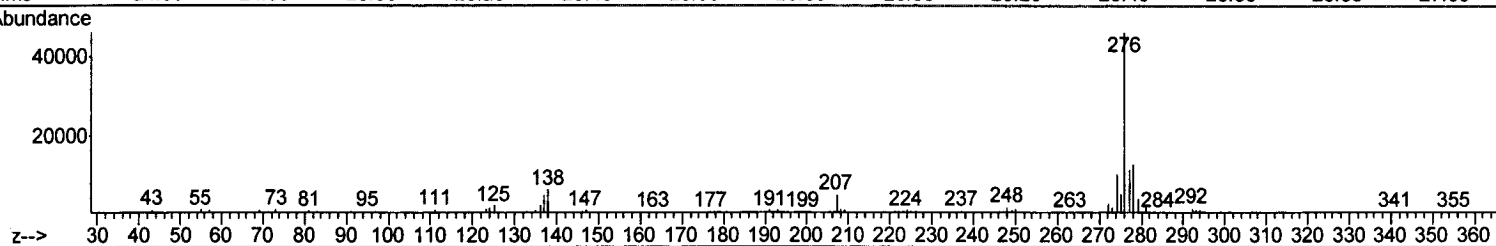
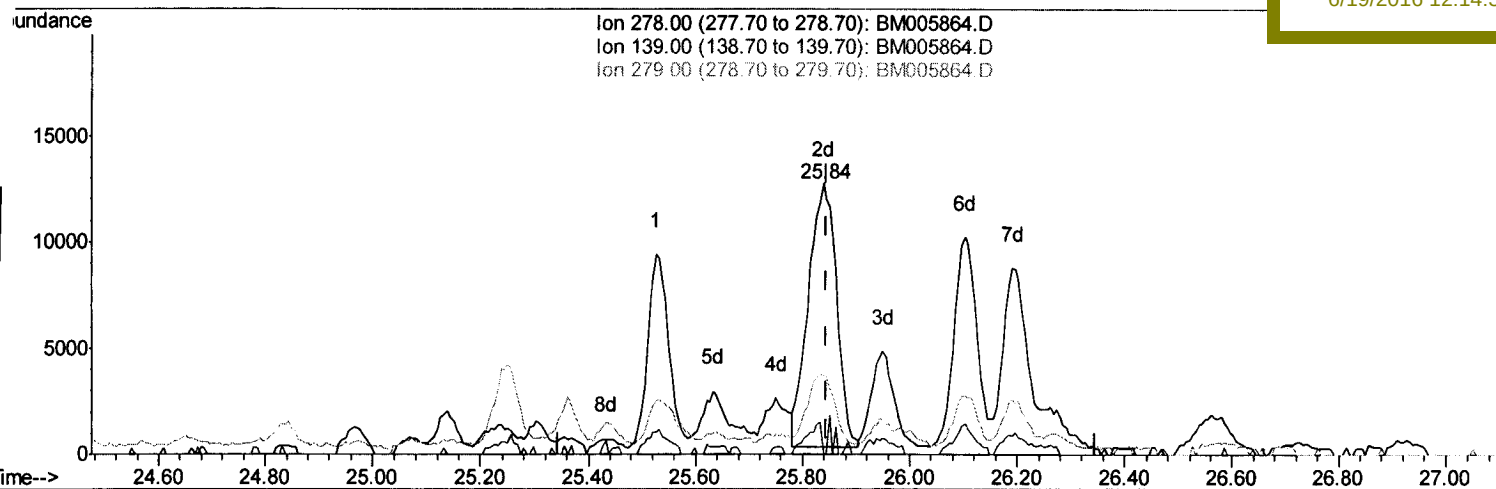
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TIC: BM005864.D

(40) Dibenzo(a,h)anthracene

25.838min (-0.006) 4.83ng/ul m

response 44964

Ion	Exp%	Act%
278.00	100	100
139.00	10.30	0.00#
279.00	23.20	28.90#
0.00	0.00	0.00

> U.M
06/20/16

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061816\
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 Sample : H3535-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y05

Manual Integrations
 APPROVED

umangi
 6/19/2016 12:14:39 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	26331	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	118584	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	72406	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	168587	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	175911	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	151648	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	667	3.28	ng/uL	0.00
3) Phenol-d5	6.92	99	36550	16.58	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	19945	17.45	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	35111	19.10	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	28922	14.68	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	17249	20.61	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	21010	20.54	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	39851	19.73	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	24670	18.05	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	133442	19.48	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	160832	20.38	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	11841	14.34	ng/ul	0.02
21) Fluorene-d10	15.37	176	116763	20.00	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	10658	9.37	ng/ul	0.00
26) Anthracene-d10	17.22	188	184617	20.97	ng/ul	0.00
30) Pyrene-d10	19.52	212	212630	25.50	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.42	264	162699	21.46	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.16	178	111422	11.10	ng/ul	99
27) Anthracene	17.26	178	29591	2.88	ng/ul	100
28) Fluoranthene	19.19	202	491524	38.97	ng/ul	98
31) Pyrene	19.55	202	459604	44.21	ng/ul	99
32) Benzo(a)anthracene	21.30	228	299555	27.27	ng/ul	99
33) Chrysene	21.34	228	280831	26.54	ng/ul	96
35) Benzo(b)fluoranthene	22.89	252	396906	42.04	ng/ul	98
36) Benzo(k)fluoranthene	22.93	252	92925m	10.19	ng/ul	
38) Benzo(a)pyrene	23.47	252	234930	25.35	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.85	276	152280	13.44	ng/ul	95
40) Dibenzo(a,h)anthracene	25.84	278	44964m	4.83	ng/ul	
41) Benzo(g,h,i)perylene	26.55	276	133787	13.87	ng/ul	99

} U.M
 06/20/16

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