

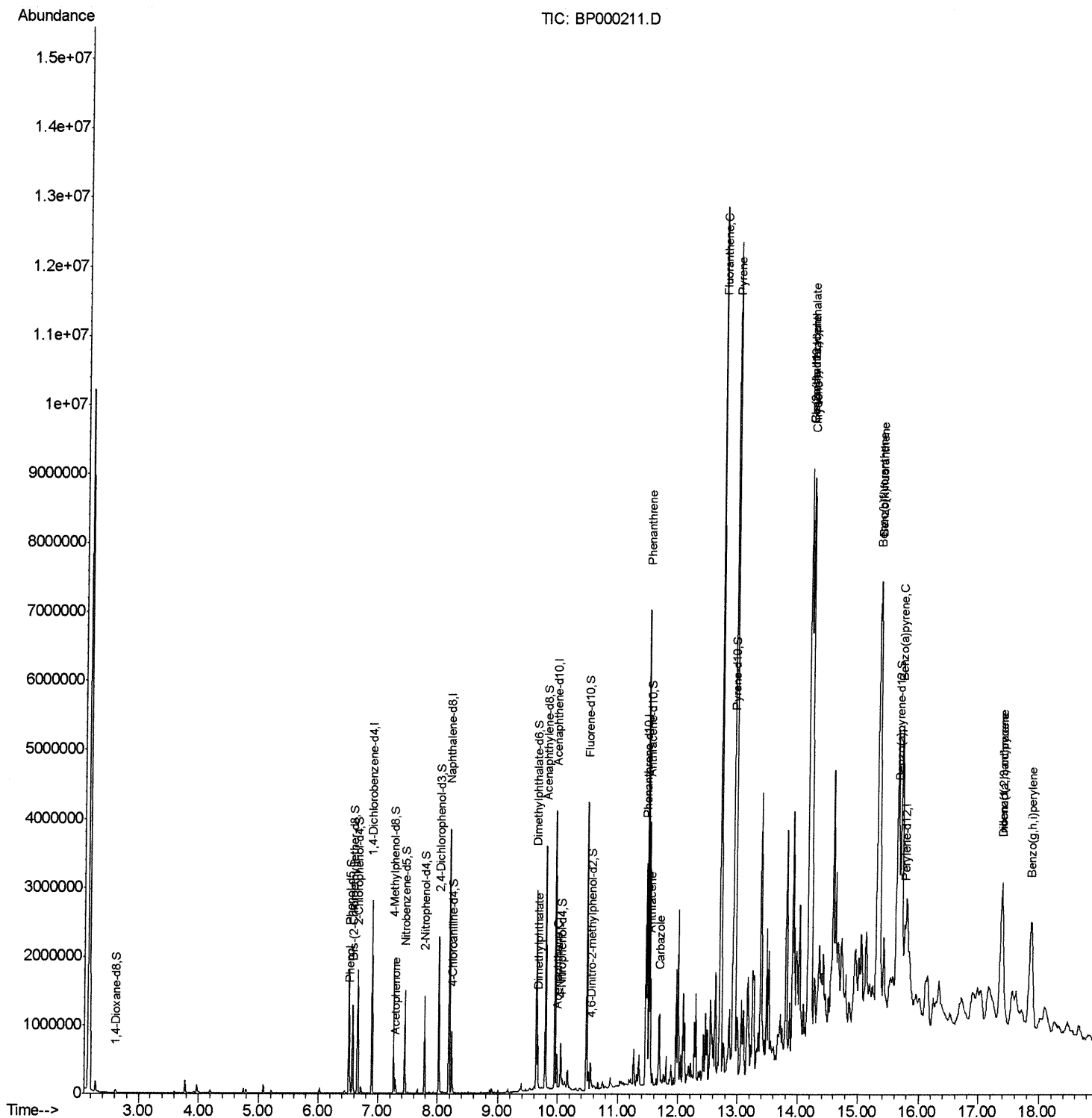
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\  
Data File : BP000211.D  
Acq On    : 12 Sep 2019 12:25  
Operator  : HP/JU  
Sample    : K4634-15  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
BNA_P
ClientSampleId :
F2D33

Manual Integrations APPROVED

mohammad
9/16/2019 9:09:02 AM

Quant Time: Sep 13 13:08:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

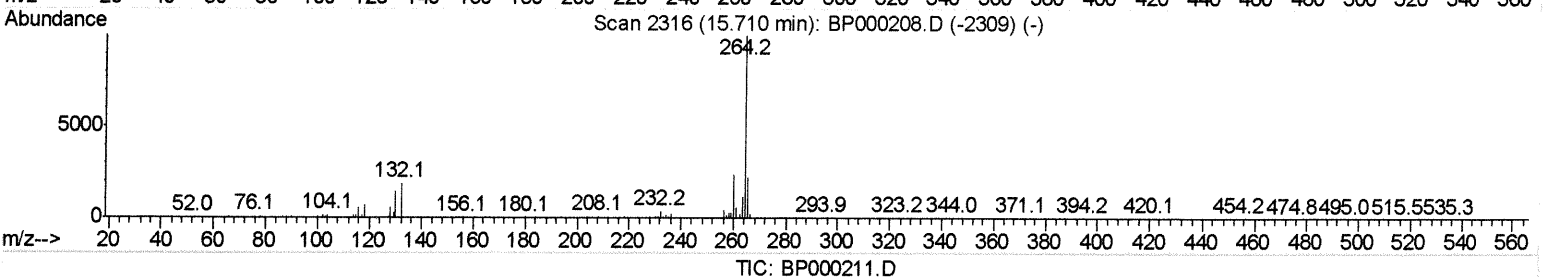
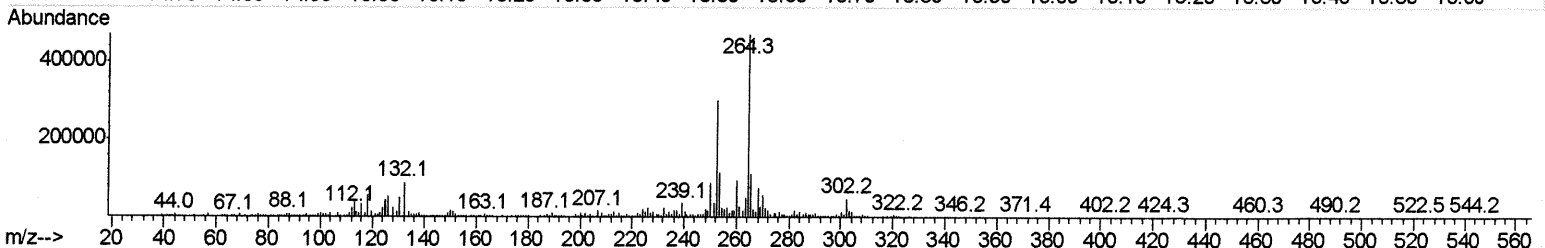
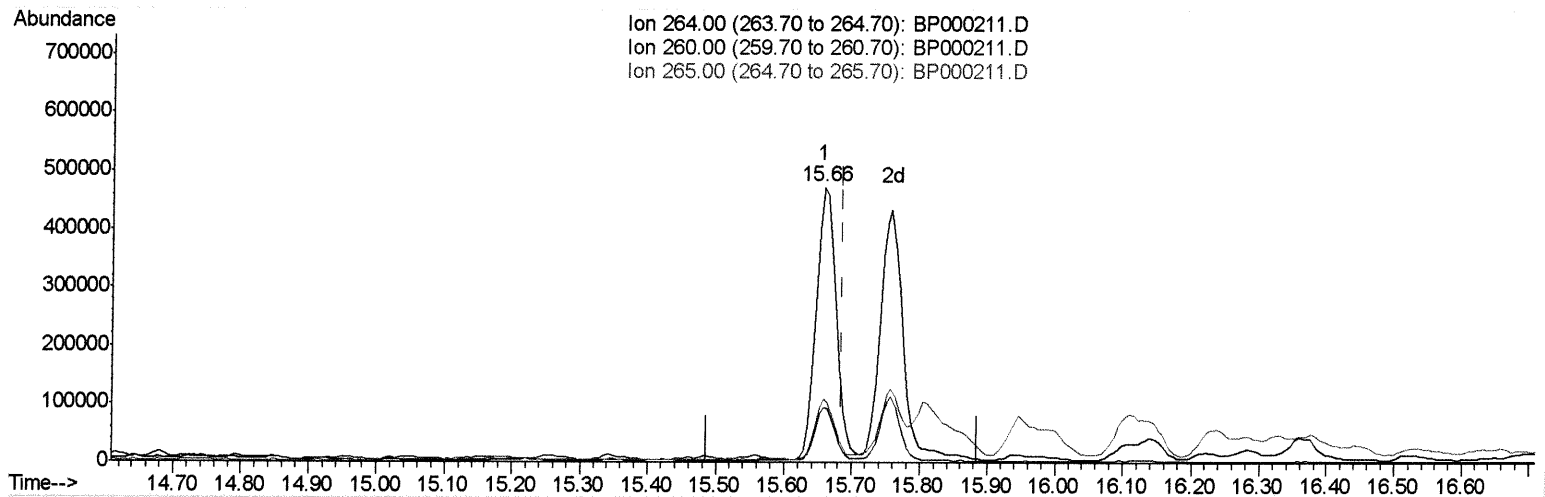
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 01:46:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(86) Perylene-d12 (I)

15.657min (-0.029) 20.00ng/ul

response 977779

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	20.04
265.00	21.80	23.35
0.00	0.00	0.00

Quantitation Report (Qedit)

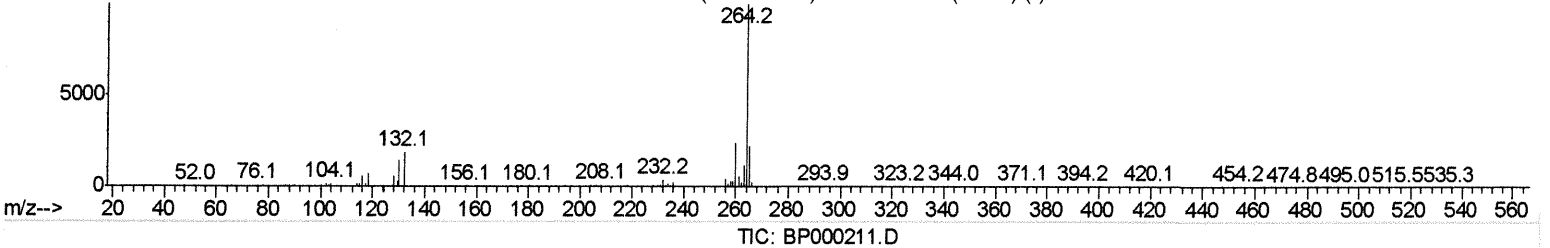
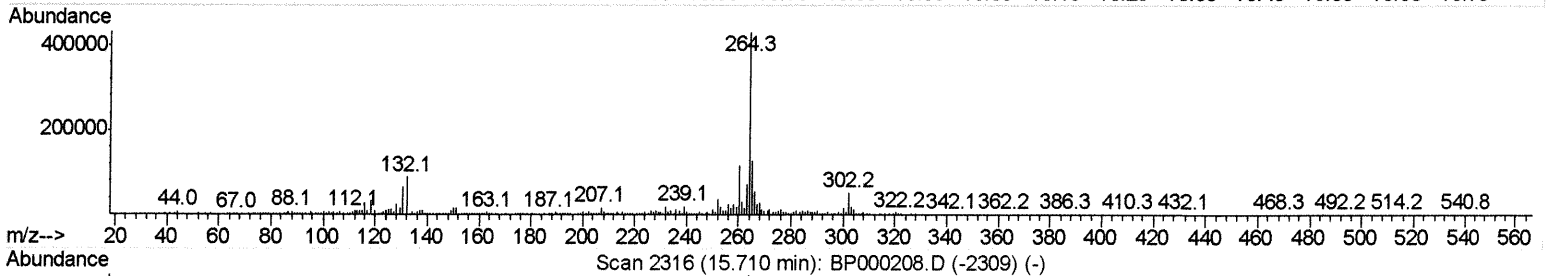
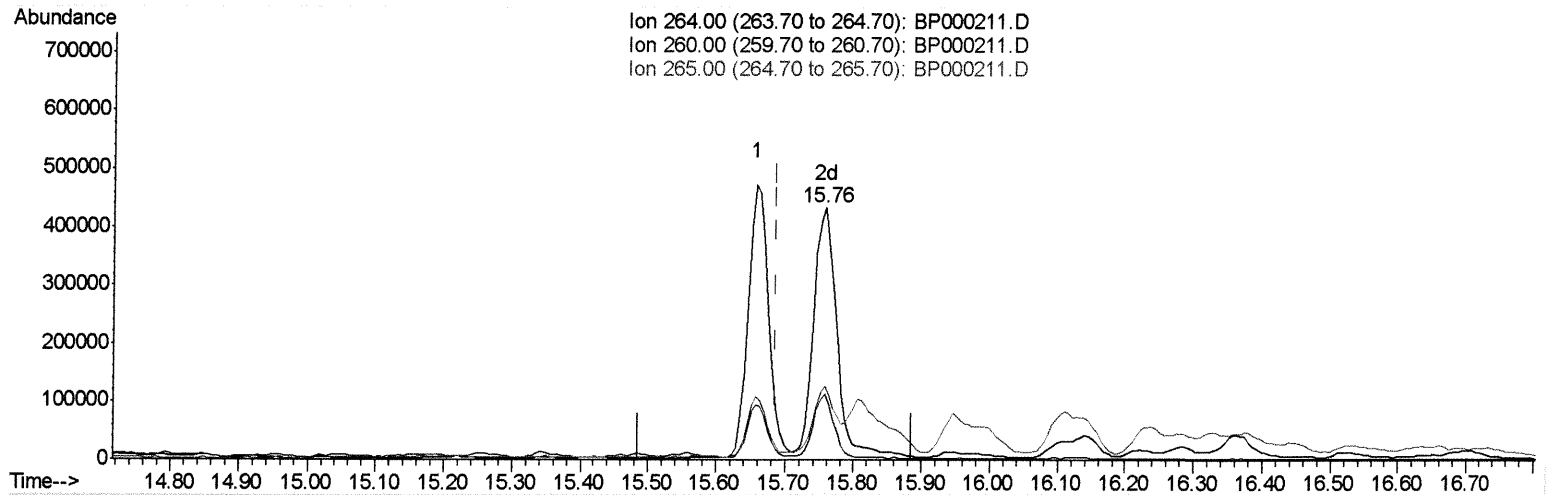
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 01:46:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(86) Perylene-d12 (I)

15.757min (+0.071) 20.00ng/ul m *JU 09/17/19*

response 932125

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	26.54
265.00	21.80	29.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

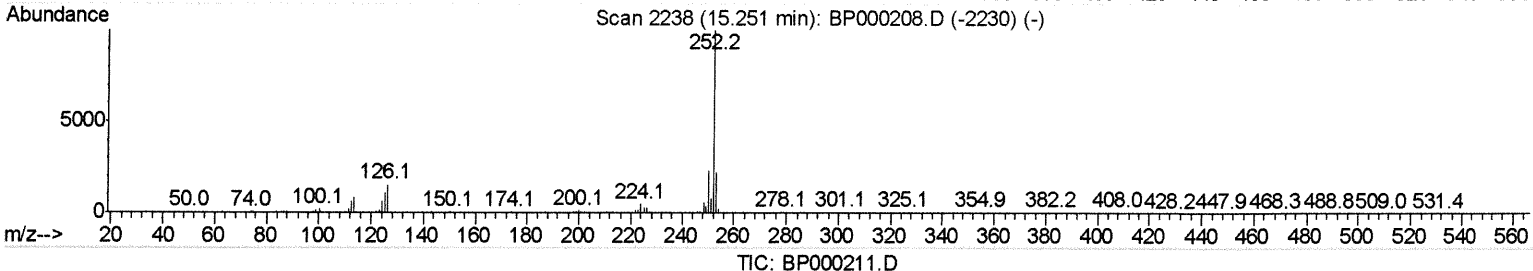
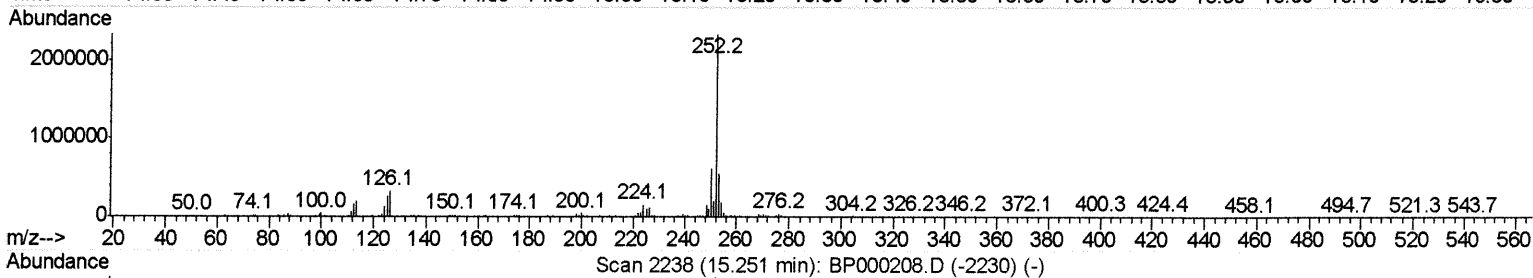
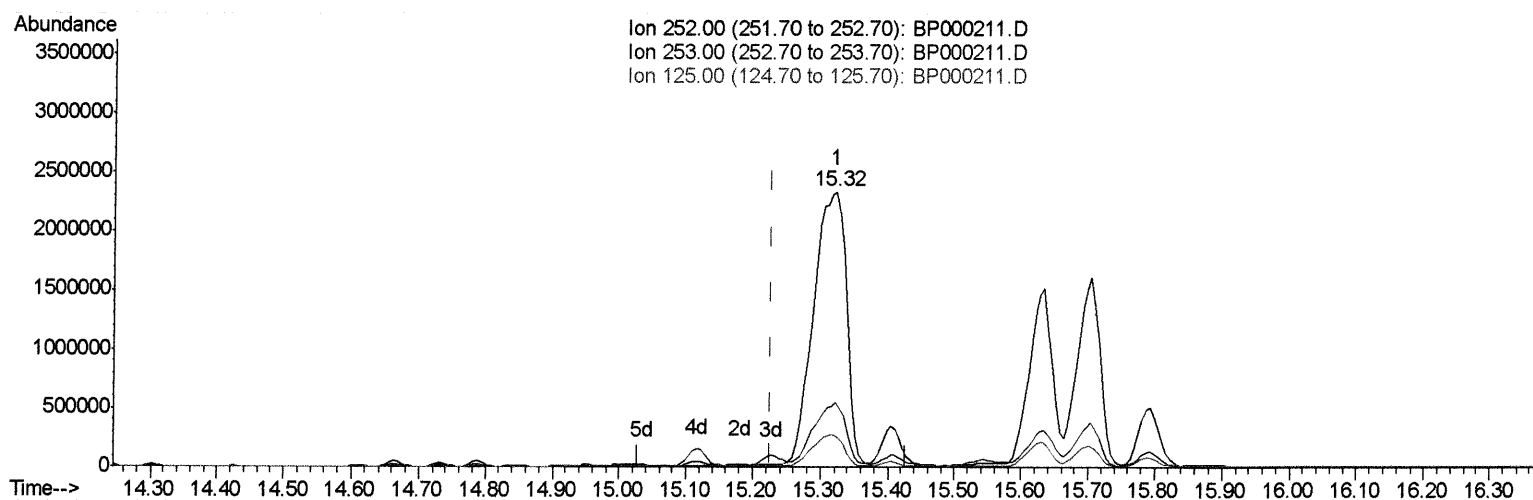
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(88) Benzo(b)fluoranthene

15.322min (+0.094) 126.09ng/ul

response 7790025

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.61
125.00	12.40	11.25
0.00	0.00	0.00

Quantitation Report (Qedit)

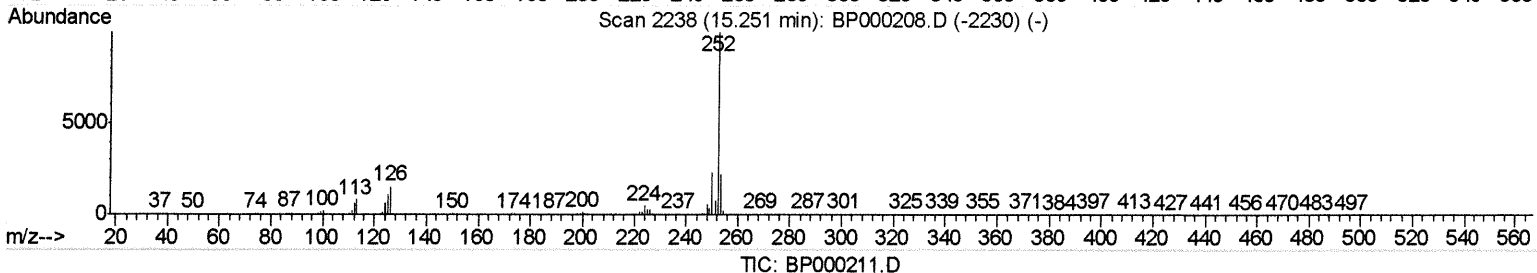
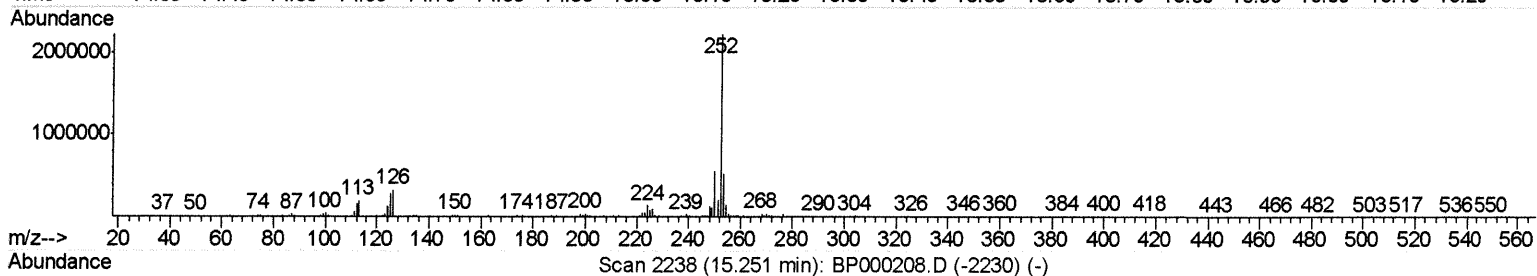
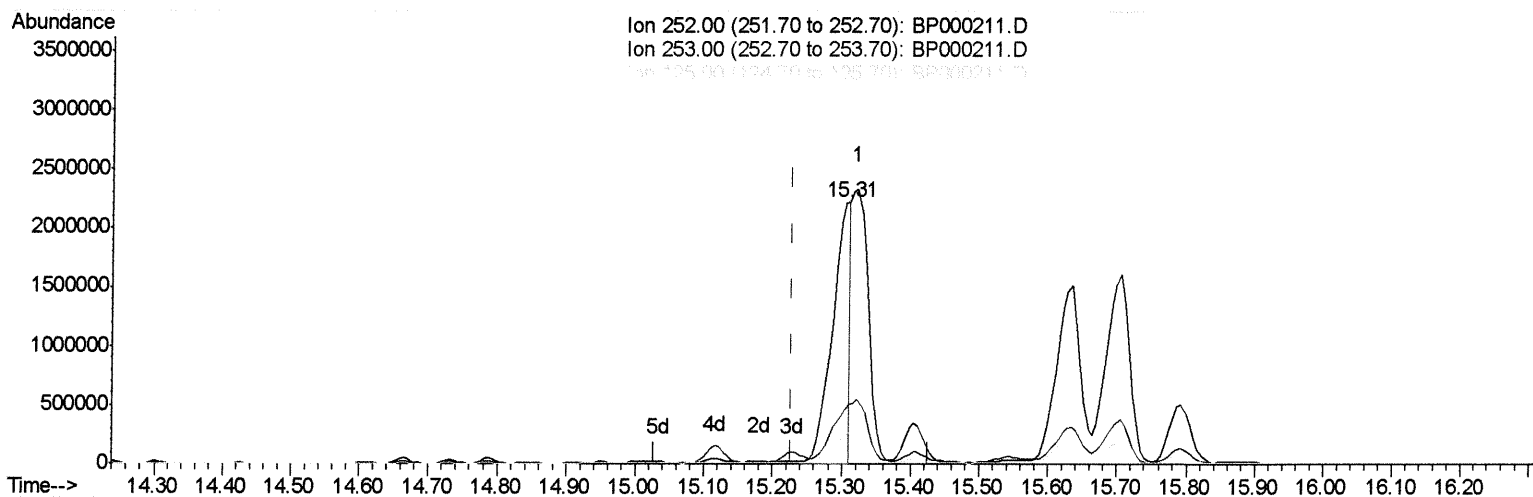
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000211.D
Acq On : 12 Sep 2019 12:25
Operator : HP/JU
Sample : K4634-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D33

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:59:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration



(88) Benzo(b)fluoranthene

15.310min (+0.082) 67.19ng/ul m *JU* 09/17/19

response 4150884

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.02
125.00	12.40	12.15
0.00	0.00	0.00

Quantitation Report (Qedit)

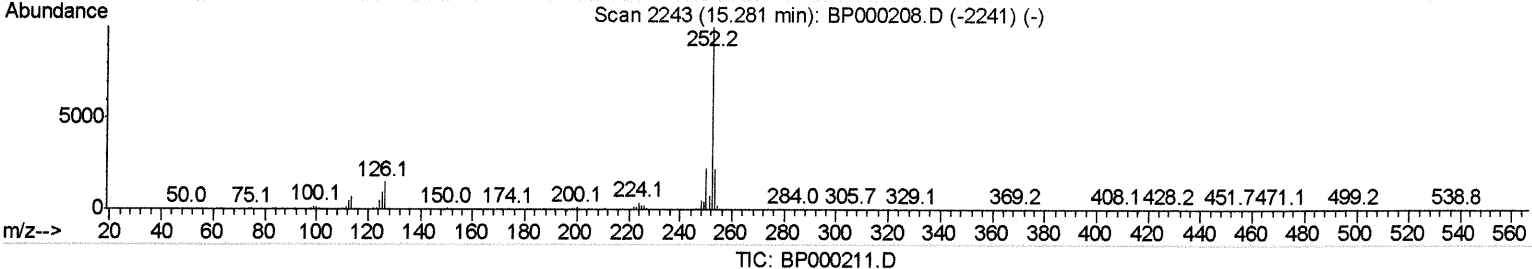
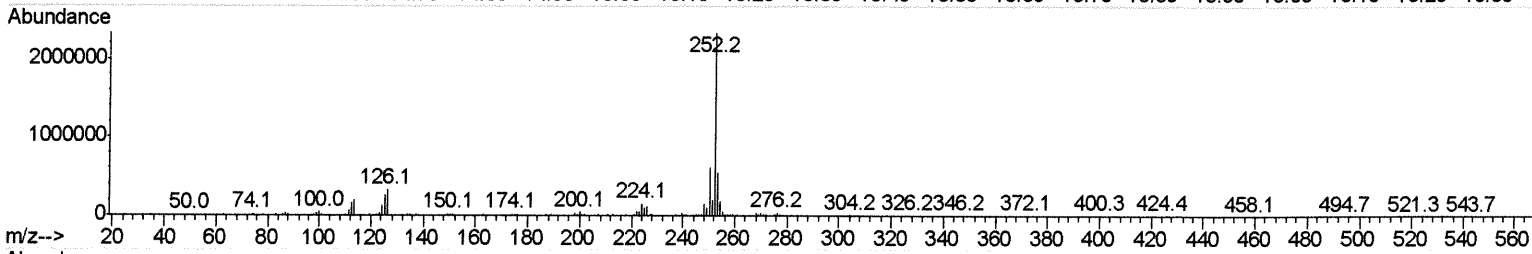
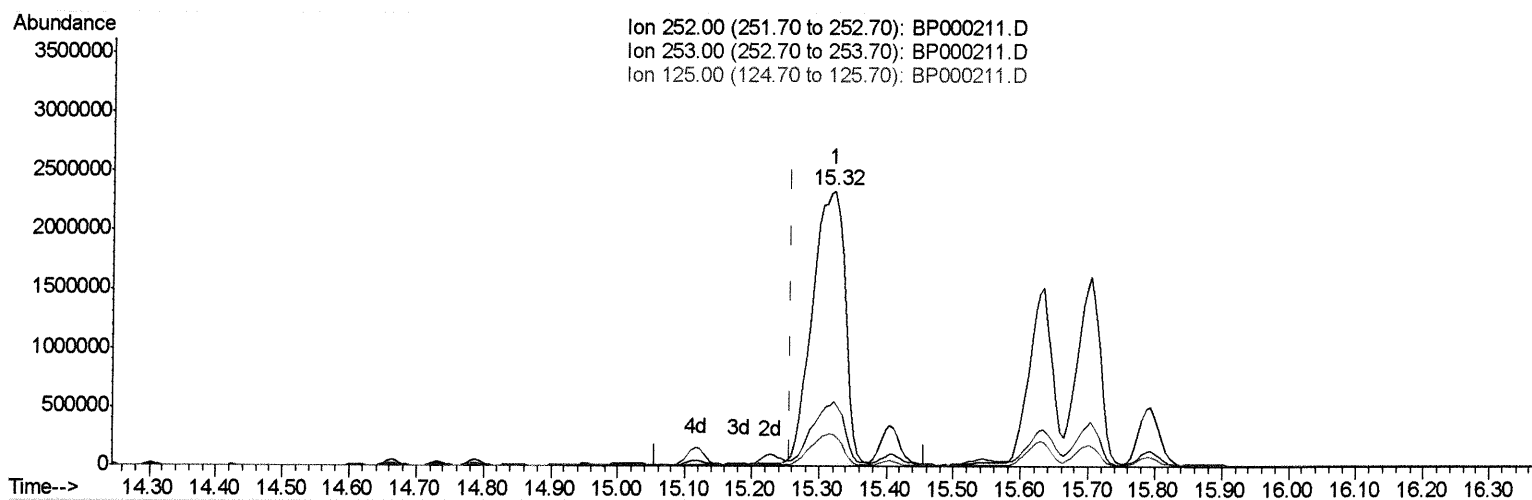
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

15.322min (+0.065) 133.83ng/ul

response 7793798

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.61
125.00	12.70	11.25
0.00	0.00	0.00

Quantitation Report (Qedit)

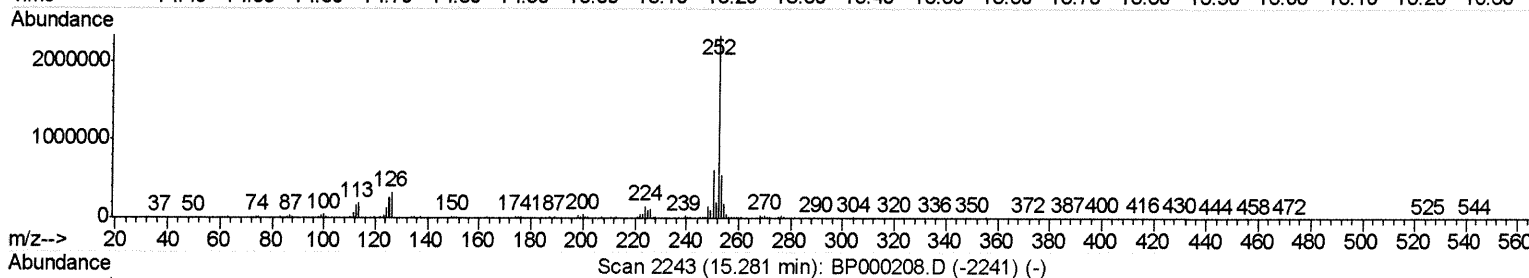
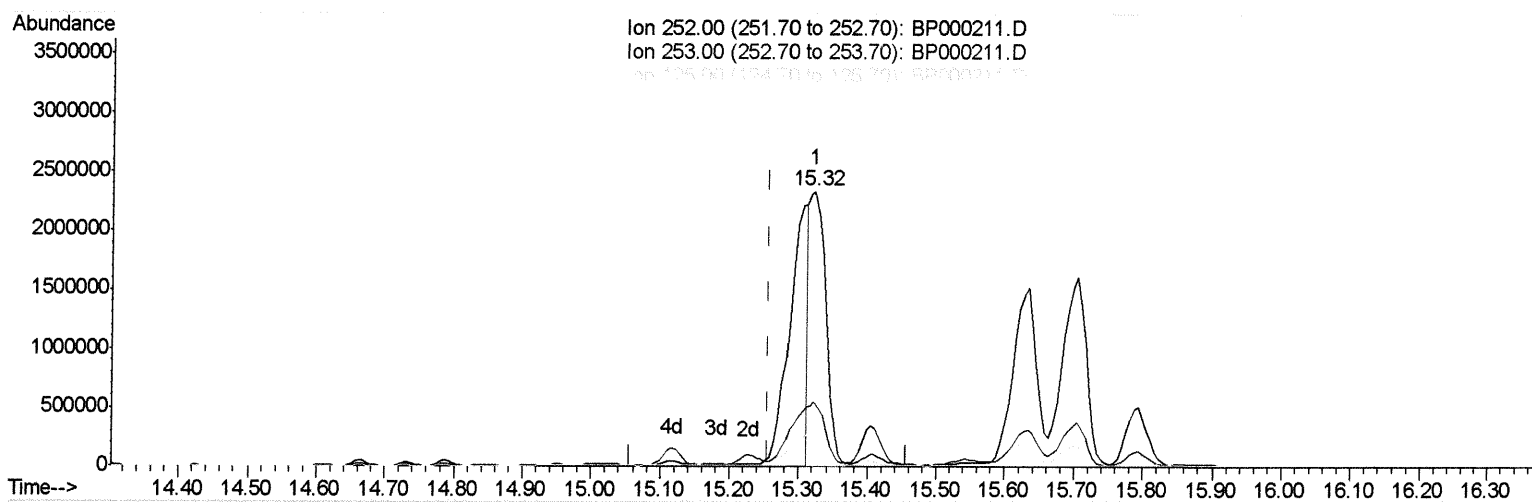
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000211.D
Acq On : 12 Sep 2019 12:25
Operator : HP/JU
Sample : K4634-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampled :
F2D33

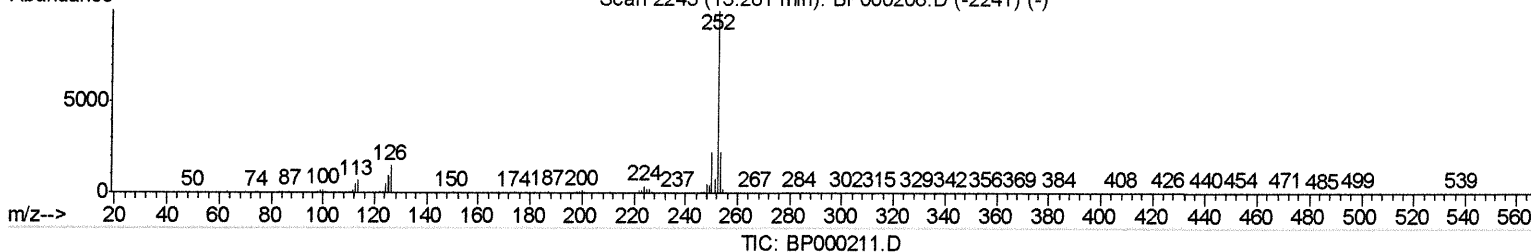
Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:59:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration



Scan 2243 (15.281 min): BP000208.D (-2241) (-)



TIC: BP000211.D

(89) Benzo(k)fluoranthene

15.322min (+0.065) 65.50ng/ul m *JU* 09/17/19

response 3814570

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.61
125.00	12.70	11.25
0.00	0.00	0.00

Quantitation Report (Qedit)

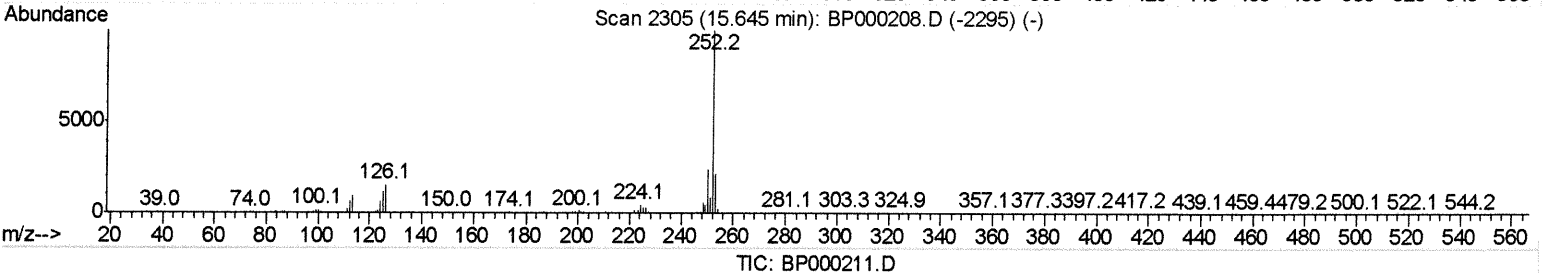
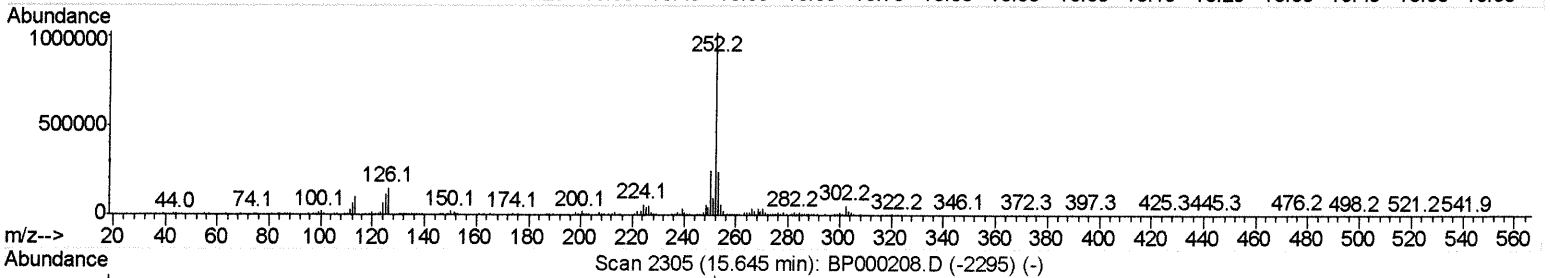
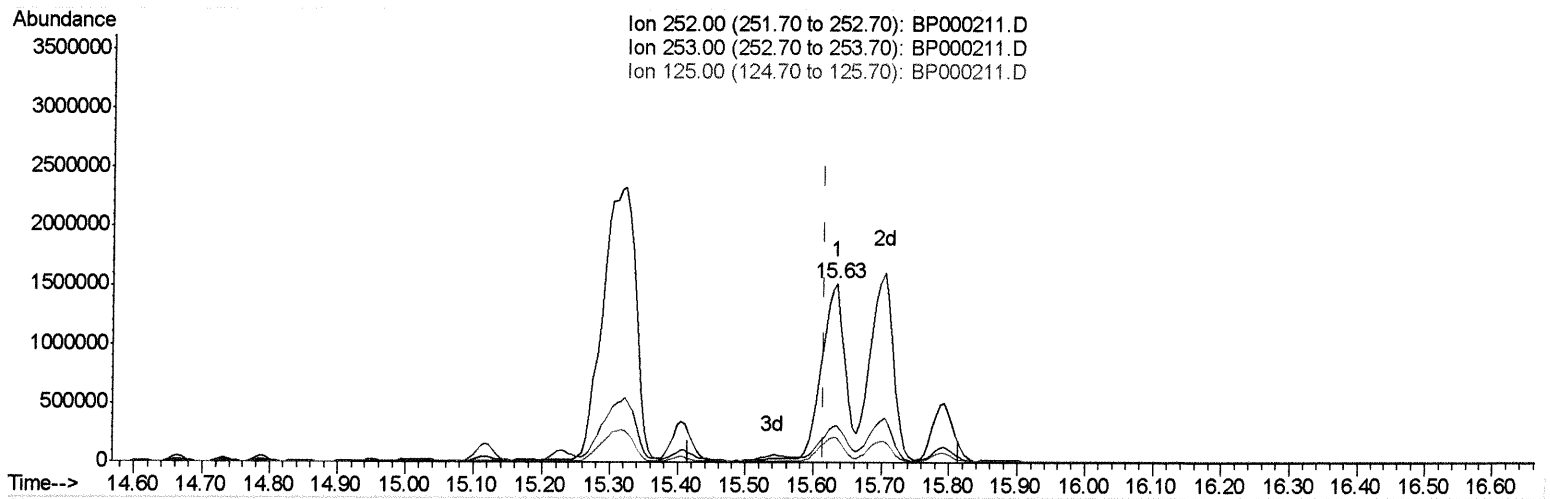
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

15.633min (+0.018) 62.44ng/ul

response 3619281

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.11
125.00	12.70	13.88
0.00	0.00	0.00

Quantitation Report (Qedit)

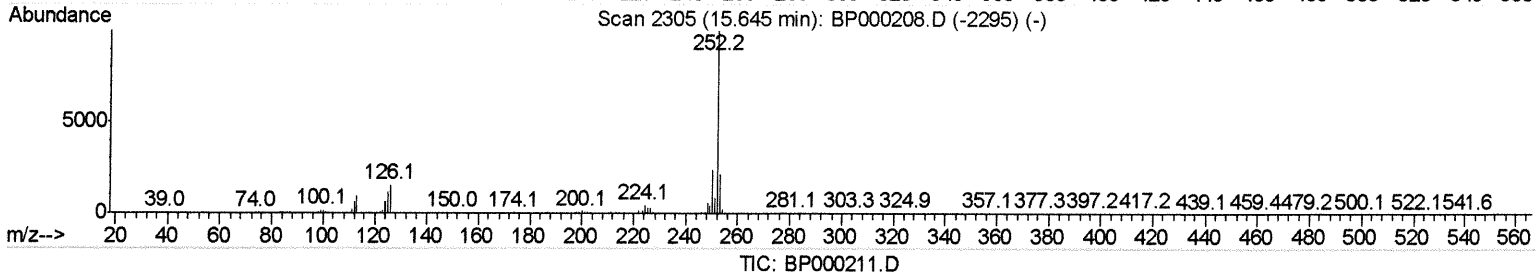
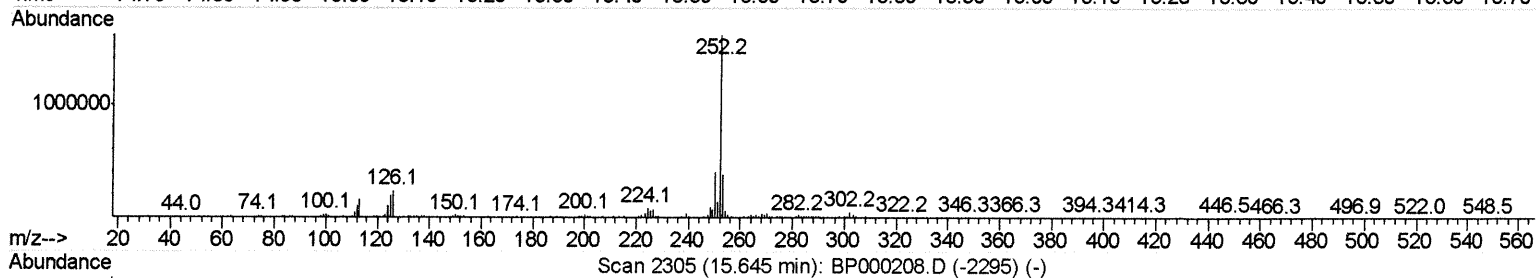
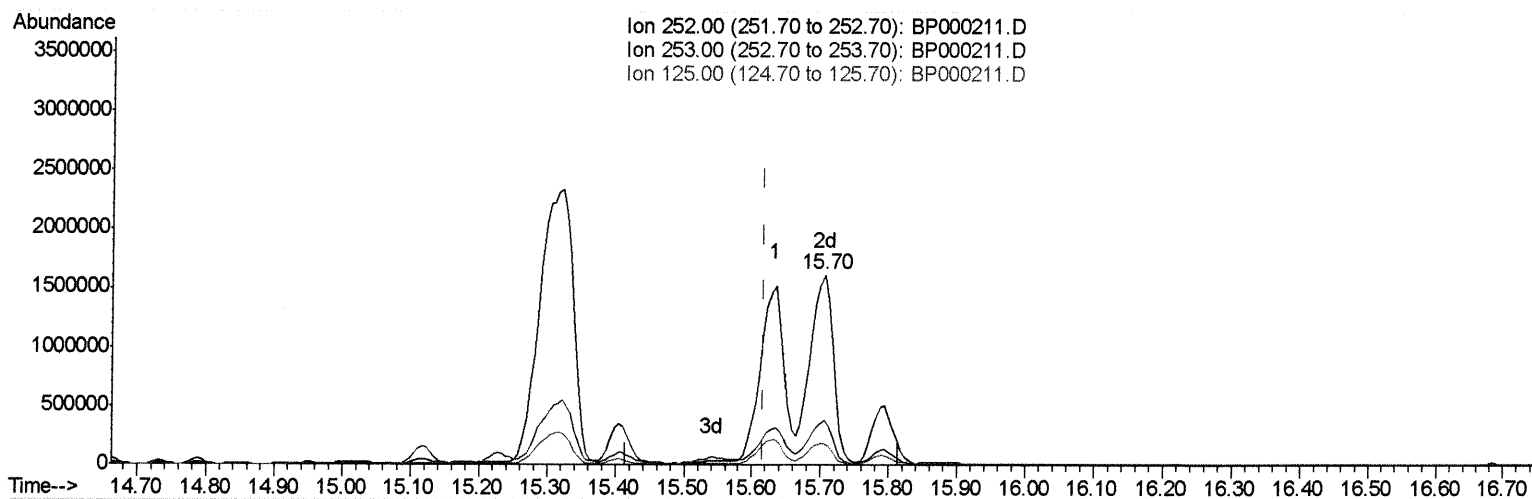
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000211.D
Acq On : 12 Sep 2019 12:25
Operator : HP/JU
Sample : K4634-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D33

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

15.704min (+0.088) 63.04ng/ul m *JU* 09/17/19

response 3654287

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.35
125.00	12.70	11.40
0.00	0.00	0.00

Quantitation Report (Qedit)

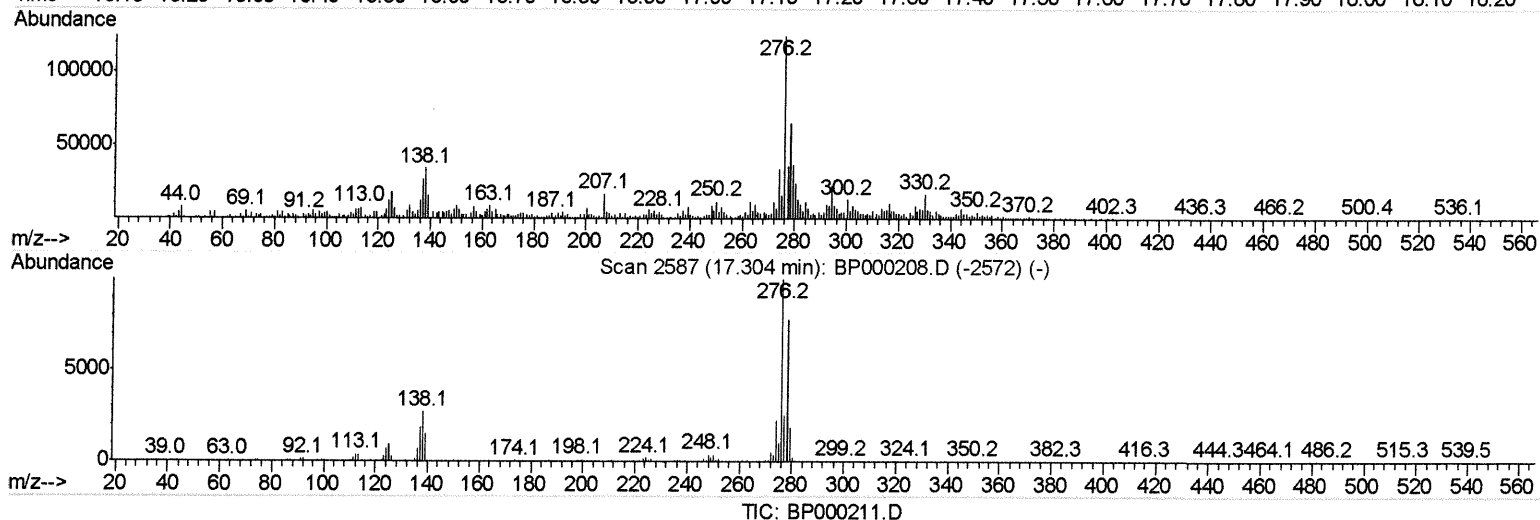
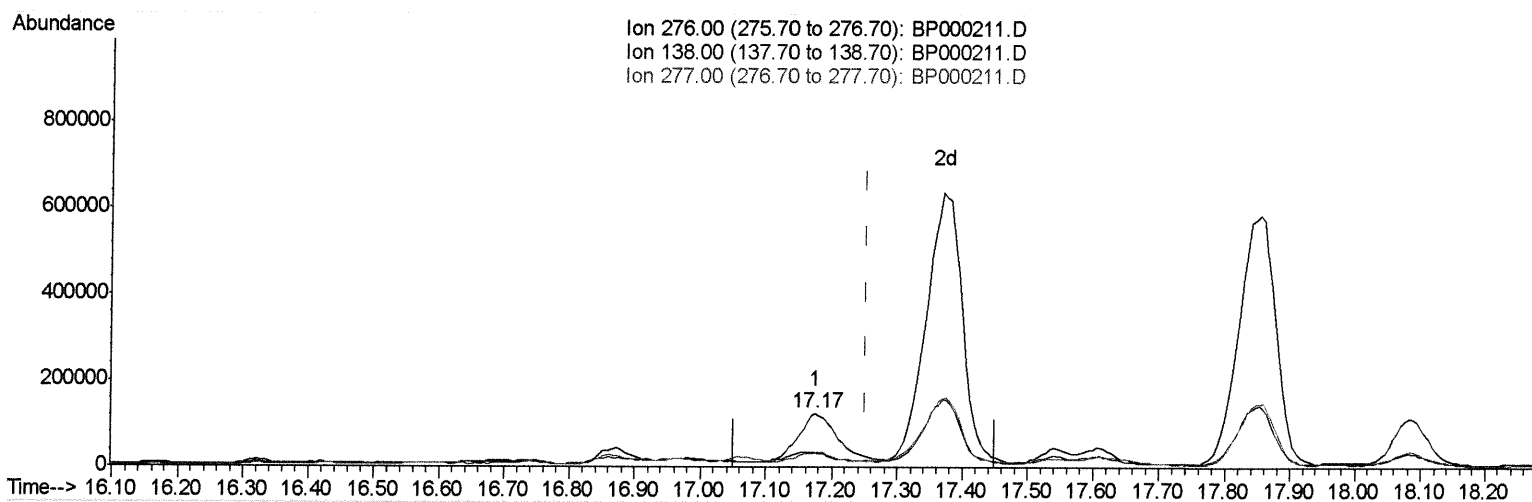
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000211.D
Acq On : 12 Sep 2019 12:25
Operator : HP/JU
Sample : K4634-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D33

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration



(92) Indeno(1,2,3-cd)pyrene

17.174min (-0.076) 7.22ng/ul

response 481744

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	27.10
277.00	24.20	29.01
0.00	0.00	0.00

Quantitation Report (Qedit)

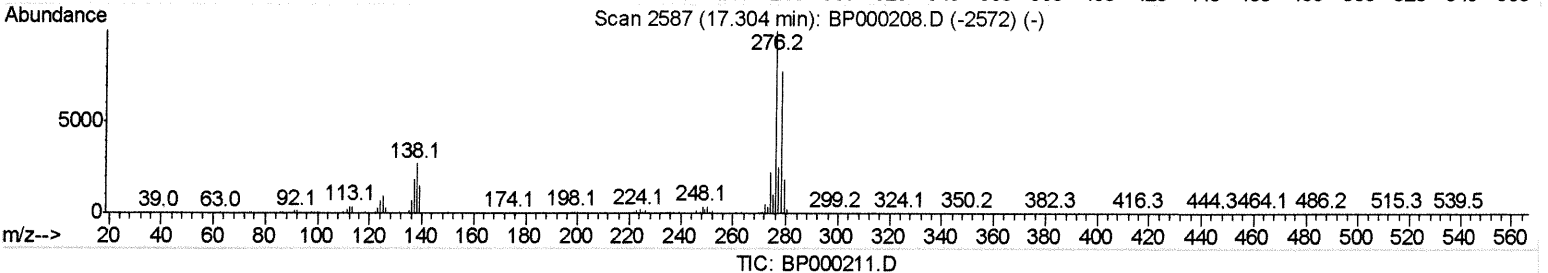
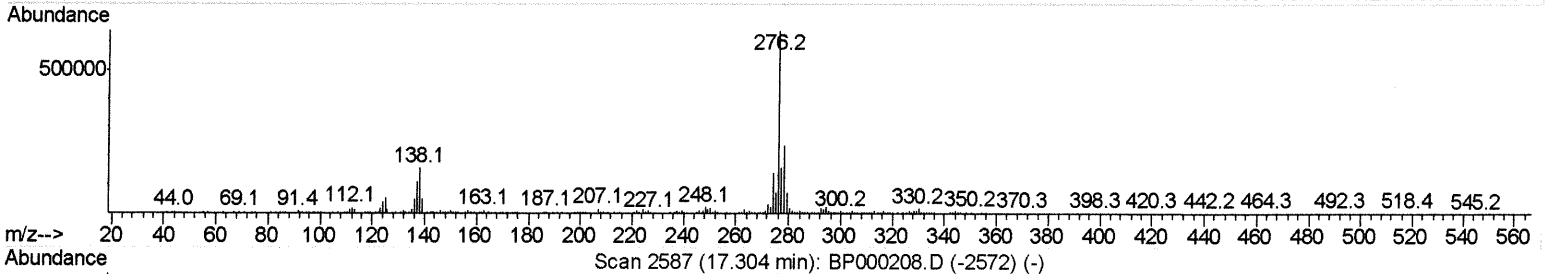
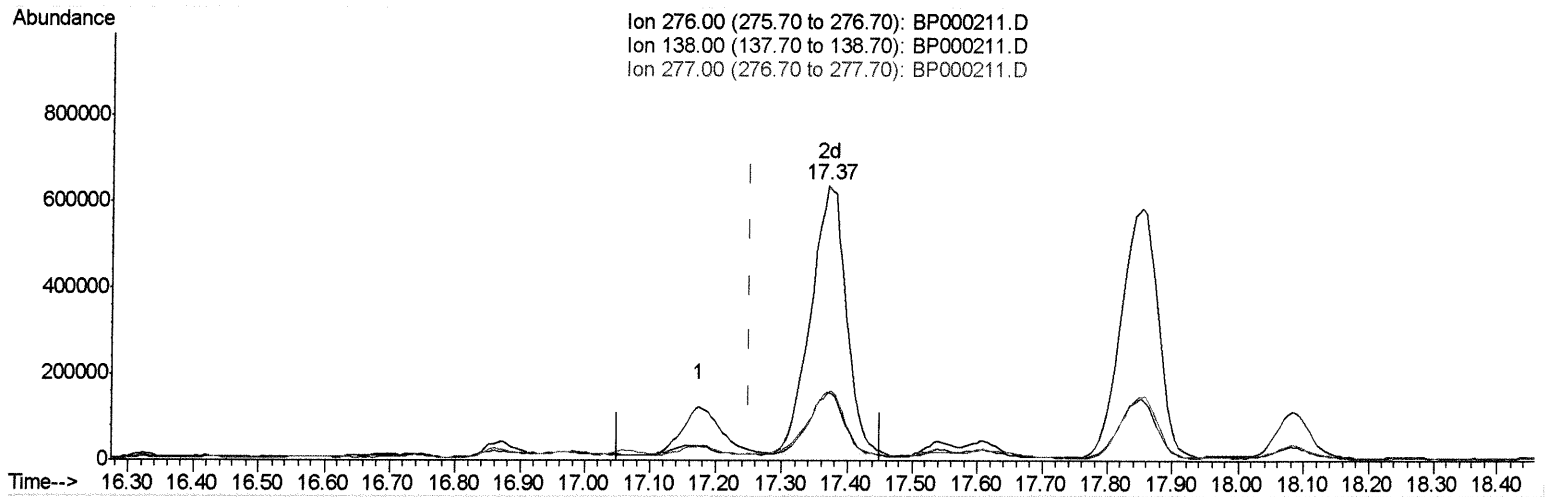
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(92) Indeno(1,2,3-cd)pyrene

17.369min (+0.118) 35.45ng/ul m

JU
 09/17/19

response 2363897

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	24.64
277.00	24.20	24.86
0.00	0.00	0.00

Quantitation Report (Qedit)

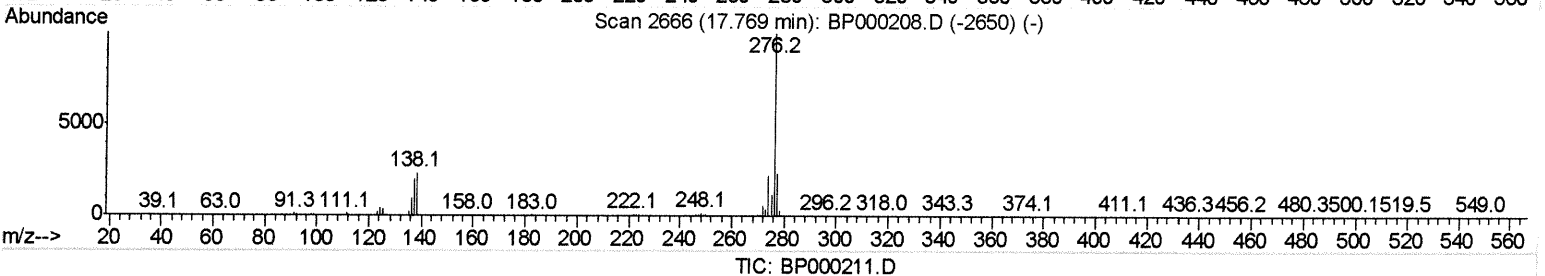
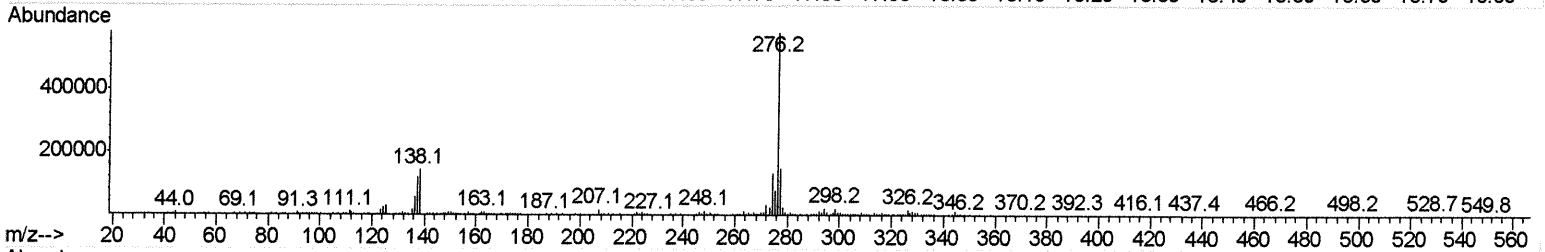
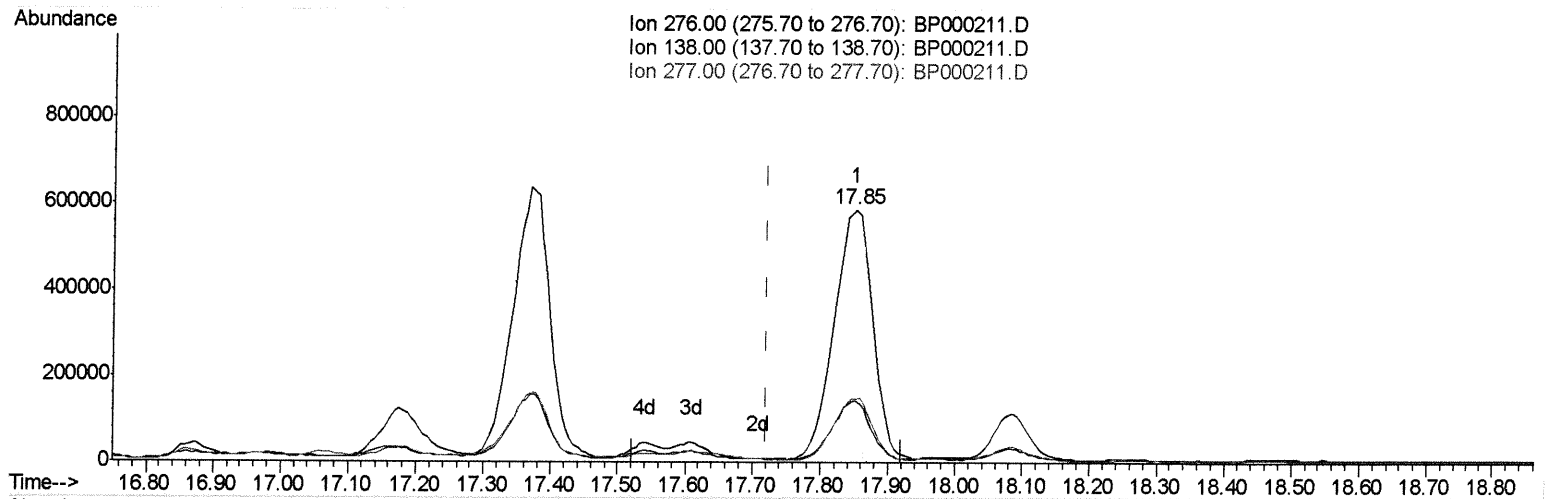
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(94) Benzo(g,h,i)perylene

17.851min (+0.129) 31.52ng/ul

response 1752480

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	24.59
277.00	23.90	25.03
0.00	0.00	0.00

Quantitation Report (Qedit)

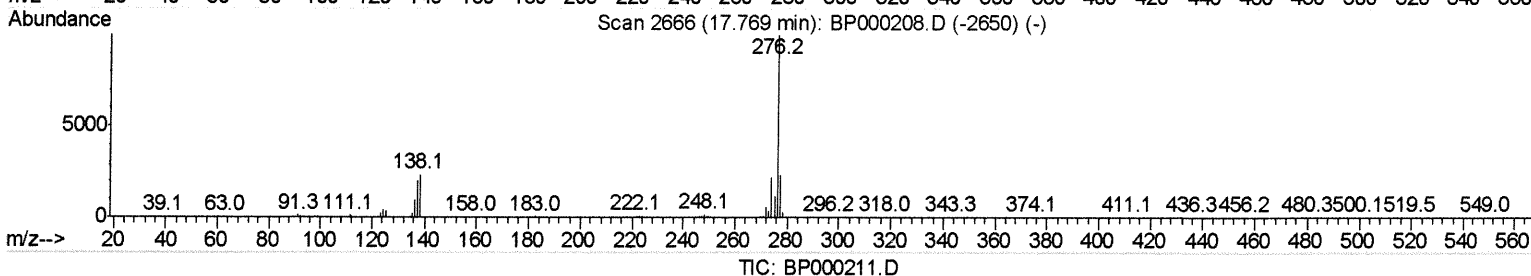
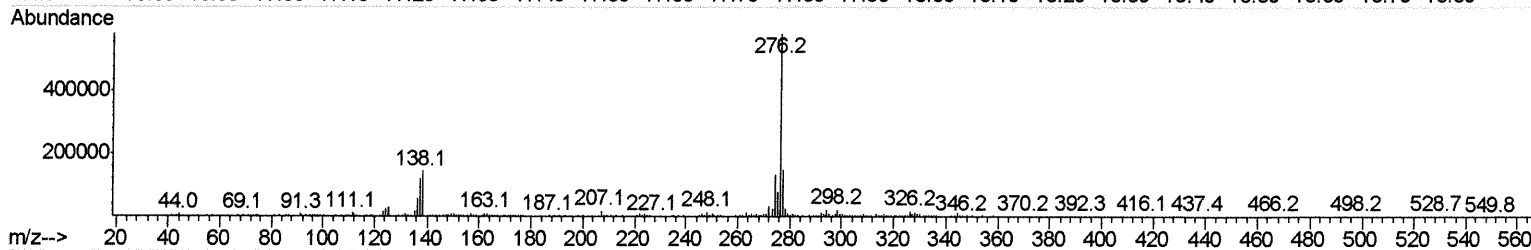
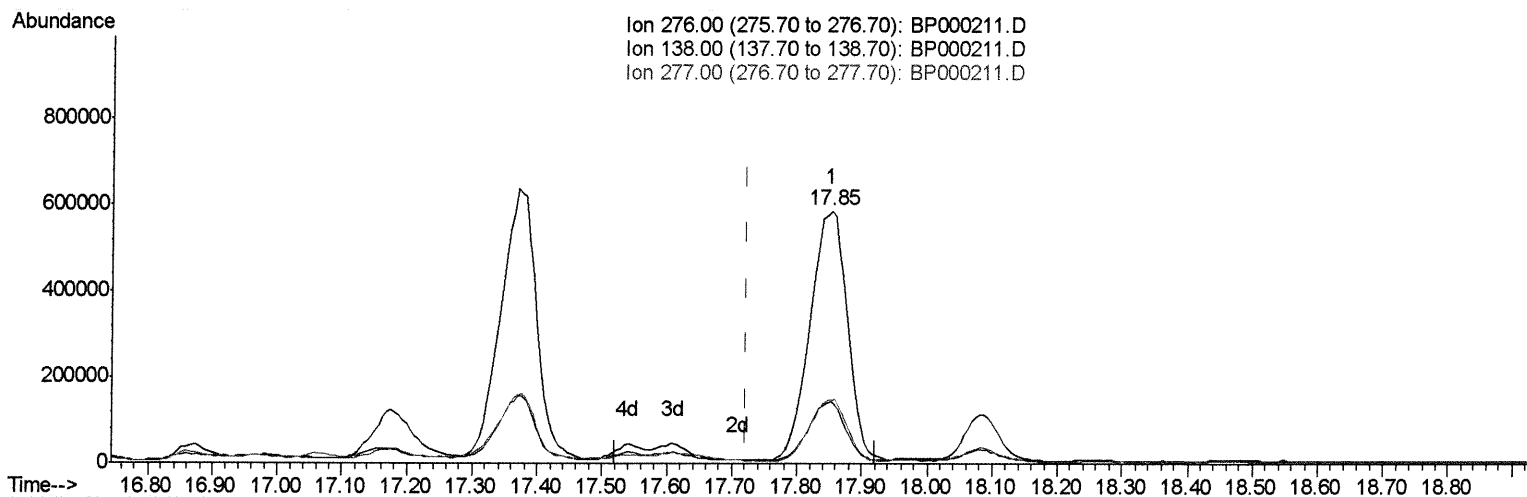
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration



(94) Benzo(g,h,i)perylene

17.851min (+0.129) 41.56ng/ul m *JU 09/17/19*

response 2310581

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	24.59
277.00	23.90	25.03
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
 Data File : BP000211.D
 Acq On : 12 Sep 2019 12:25
 Operator : HP/JU
 Sample : K4634-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D33

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:02 AM

Quant Time: Sep 13 13:08:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	398752	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1506293	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	777149	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1305960	20.00	ng/ul	0.00
78) Chrysene-d12	14.18	240	820252	20.00	ng/ul	0.04
86) Perylene-d12	15.76	264	932125m →	20.00	ng/ul →	0.07

JU 09/17/19

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	30126	2.68	ng/uL	0.01
5) Phenol-d5	6.51	99	570045	16.78	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.57	67	307651	17.32	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	482533	17.57	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	429625	16.84	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	229030	20.02	ng/ul	0.00
22) 2-Nitrophenol-d4	7.77	143	245083	22.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	431589	18.26	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	254941	8.72	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1178193	20.53	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1386164	19.55	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	138452	13.50	ng/ul	0.00
58) Fluorene-d10	10.47	176	936310	19.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.54	200	60479	10.08	ng/ul	0.01
71) Anthracene-d10	11.52	188	1246517	19.71	ng/ul	0.00
79) Pyrene-d10	12.92	212	1127964	23.12	ng/ul	0.02
90) Benzo(a)pyrene-d12	15.66	264	977779	20.24	ng/ul	0.07

Target Compounds

					Qvalue
6) Phenol	6.52	94	105531	2.981	ng/ul 97
14) Acetophenone	7.29	105	51371	1.342	ng/ul 99
45) Dimethylphthalate	9.66	163	271977	4.697	ng/ul 99
50) Acenaphthene	9.98	153	108982	2.123	ng/ul 99
70) Phenanthrene	11.49	178	2569537	33.271	ng/ul 99
72) Anthracene	11.53	178	566628	7.456	ng/ul 99
75) Carbazole	11.69	167	451411	6.947	ng/ul 99
77) Fluoranthene	12.72	202	7324733	94.032	ng/ul 97
80) Pyrene	12.95	202	6835658	110.458	ng/ul 94
83) Benzo(a)anthracene	14.17	228	4957115	83.487	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	14.17	149	56446	1.674	ng/ul# 86
85) Chrysene	14.21	228	4663611	85.594	ng/ul 98
88) Benzo(b)fluoranthene	15.31	252	4150884m →	67.189	ng/ul →
89) Benzo(k)fluoranthene	15.32	252	3814570m →	65.502	ng/ul →
91) Benzo(a)pyrene	15.70	252	3654287m →	63.044	ng/ul →
92) Indeno(1,2,3-cd)pyrene	17.37	276	2363897m →	35.449	ng/ul →
93) Dibenzo(a,h)anthracene	17.37	278	630880	11.422	ng/ul 95
94) Benzo(g,h,i)perylene	17.85	276	2310581m →	41.558	ng/ul →

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