

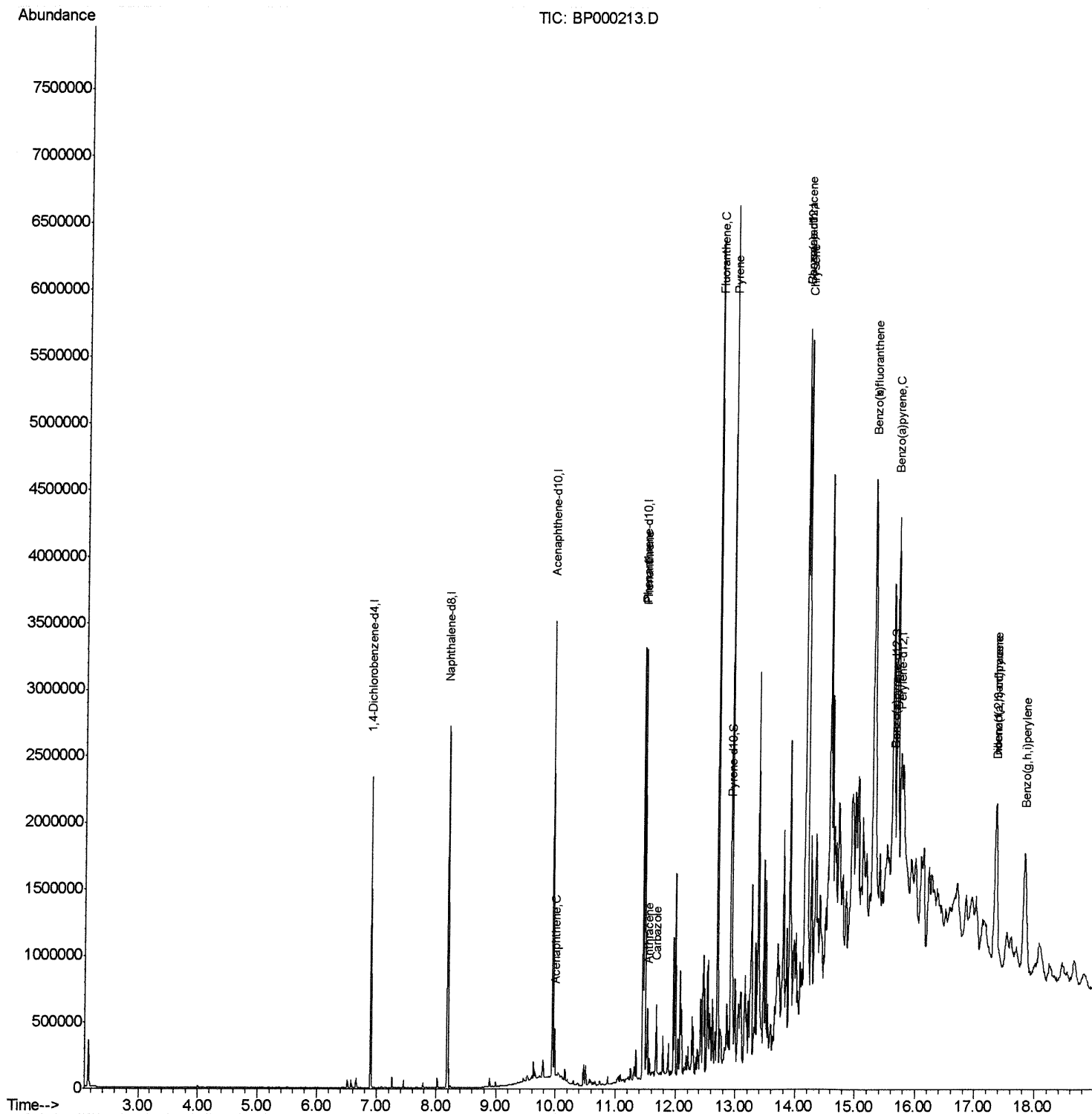
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000213.D
Acq On : 12 Sep 2019 13:14
Operator : HP/JU
Sample : K4633-07 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampled :
F2D05

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:55 AM

Quant Time: Sep 13 13:12:29 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



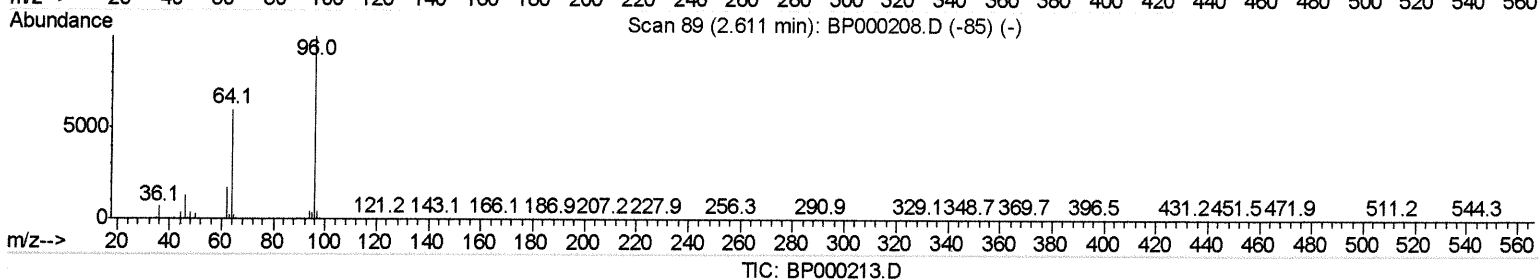
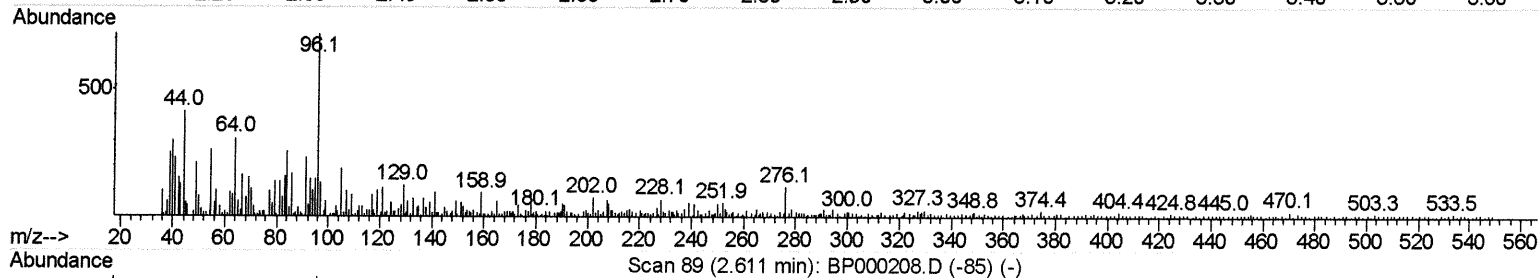
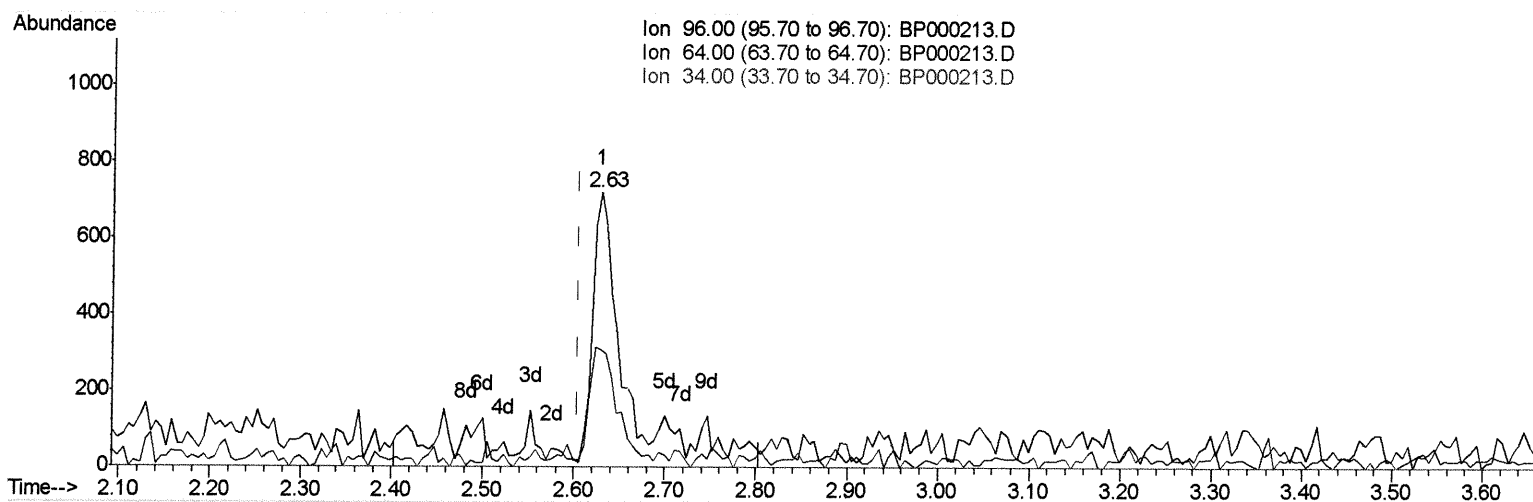
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000213.D
Acq On : 12 Sep 2019 13:14
Operator : HP/JU
Sample : K4633-07 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D05

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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



(3) 1,4-Dioxane-d8 (S)

2.628min (+0.024) 0.13ng/uL

response 1209

Ion	Exp%	Act%
96.00	100	100
64.00	62.70	42.86#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

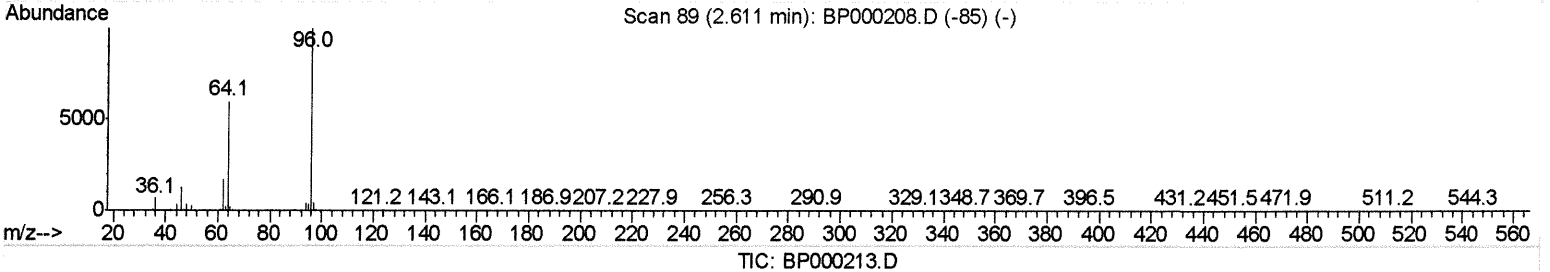
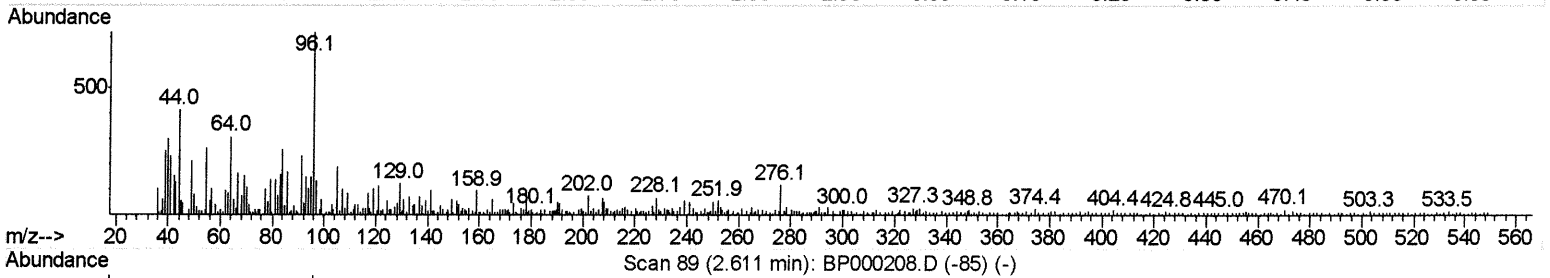
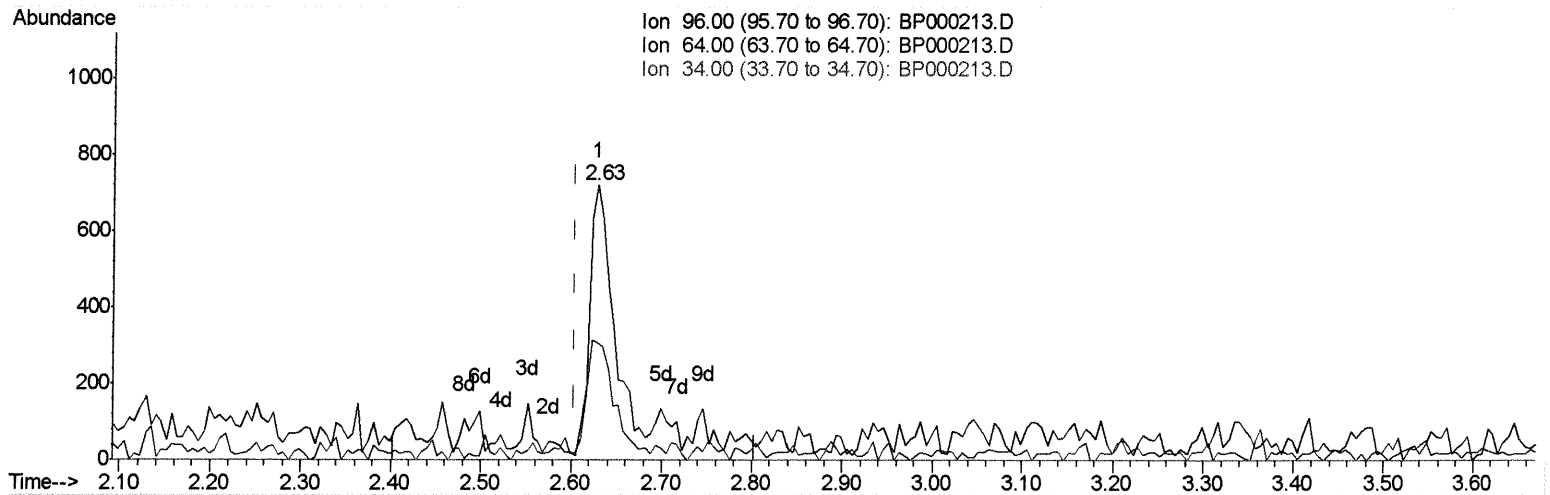
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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



(3) 1,4-Dioxane-d8 (S)

2.628min (+0.024) 0.14ng/uL m *JU 09/17/19*

response 1309

Ion	Exp%	Act%
96.00	100	100
64.00	62.70	42.86#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

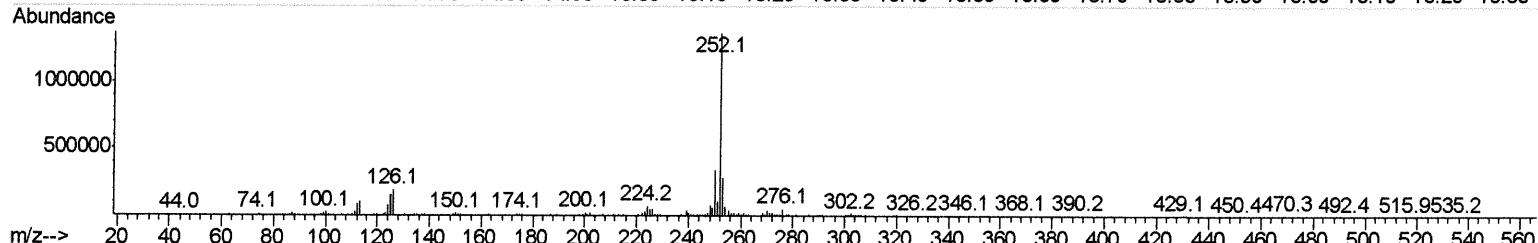
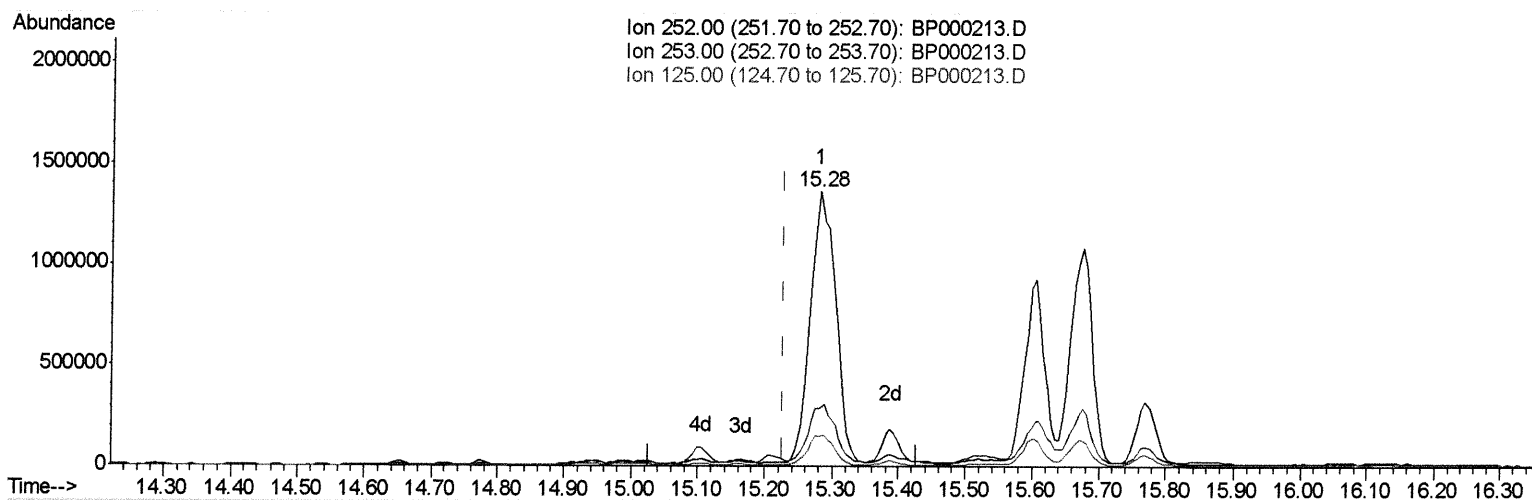
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000213.D
Acq On : 12 Sep 2019 13:14
Operator : HP/JU
Sample : K4633-07 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D05

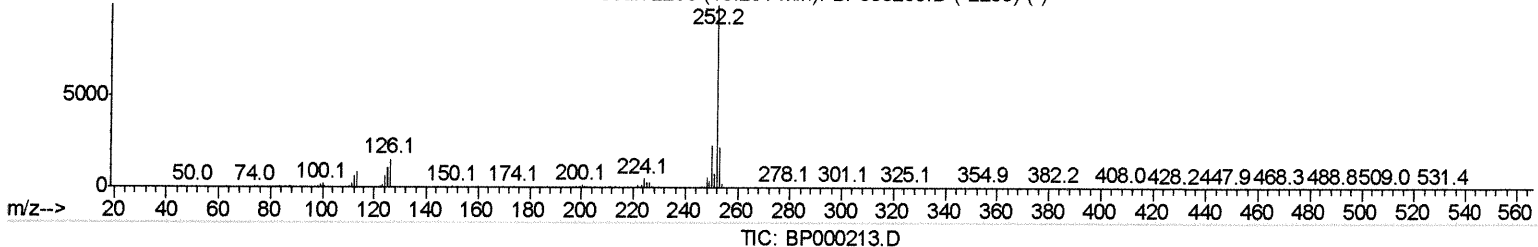
Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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 2238 (15.251 min): BP000208.D (-2230) (-)



(88) Benzo(b)fluoranthene

15.281min (+0.053) 62.55ng/ul

response 3556241

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	20.82
125.00	12.40	10.75
0.00	0.00	0.00

Quantitation Report (Qedit)

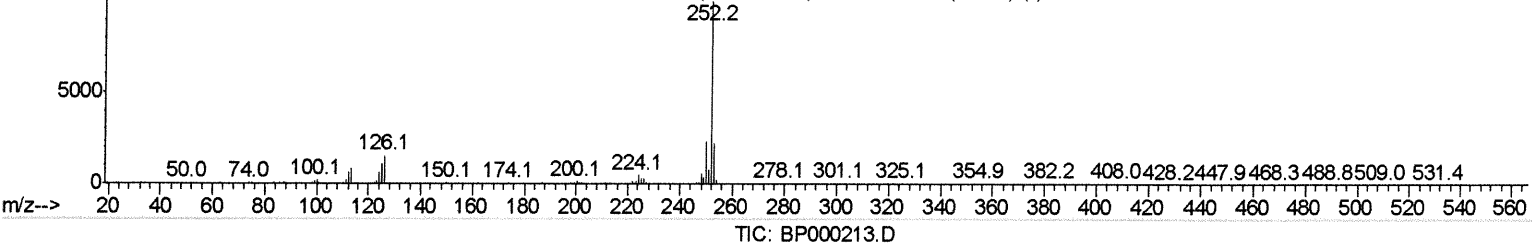
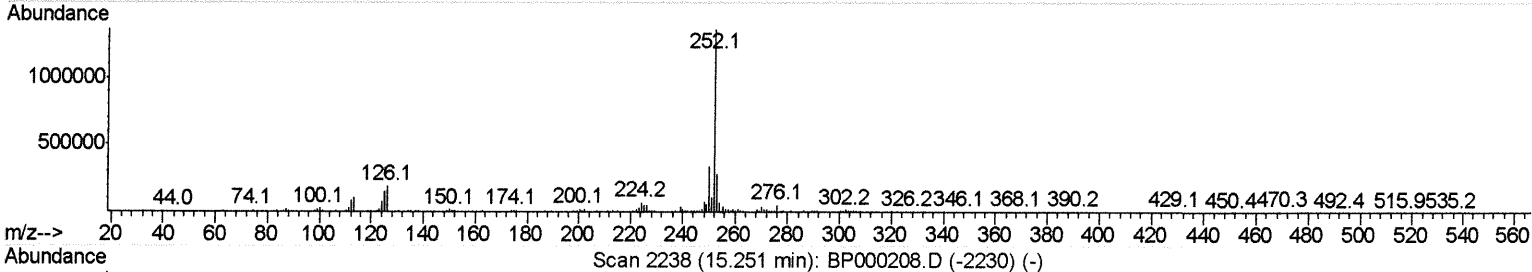
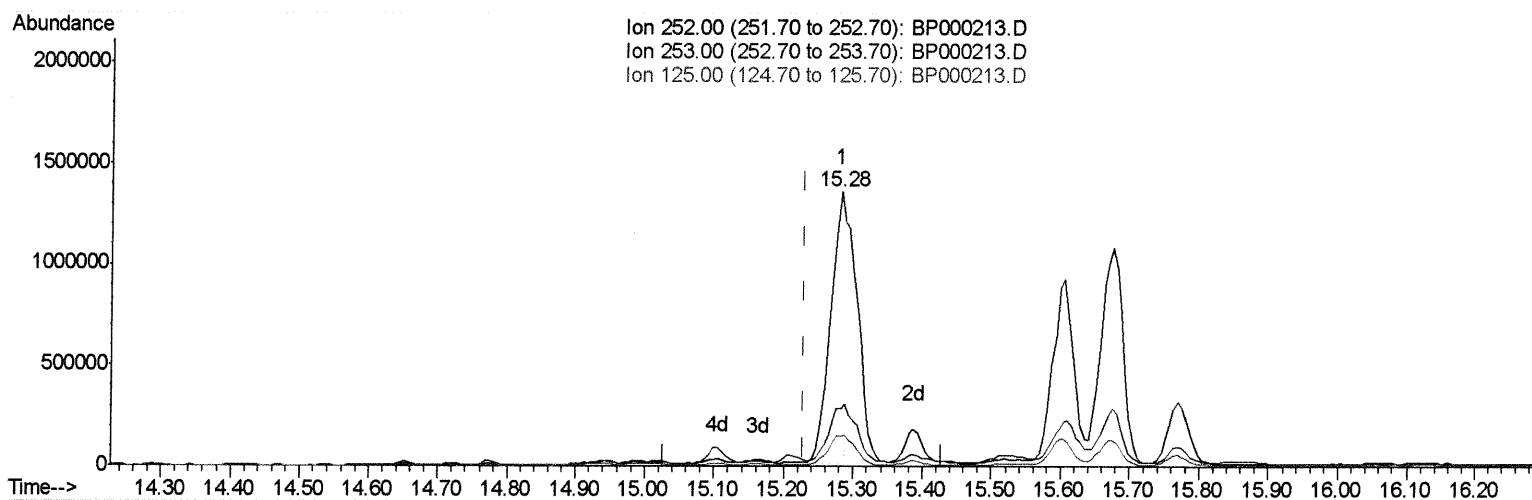
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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

15.281min (+0.053) 37.14ng/ul m *JU* 09/17/19

response 2111533

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	20.82
125.00	12.40	10.75
0.00	0.00	0.00

Quantitation Report (Qedit)

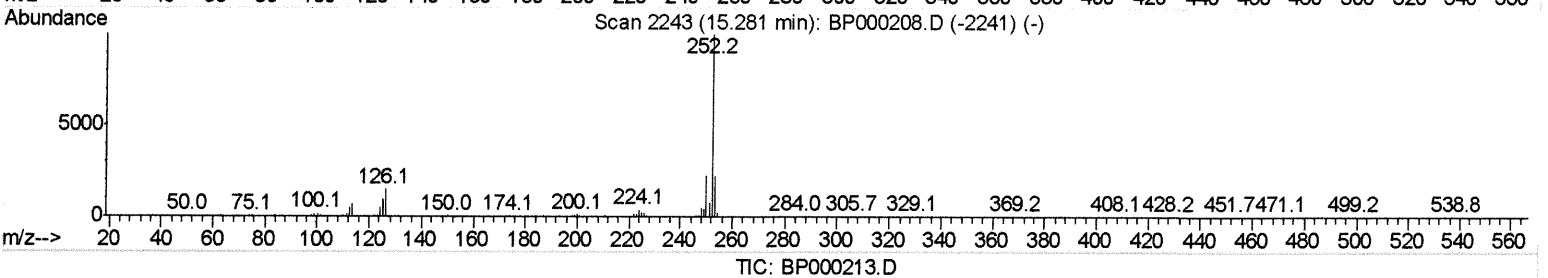
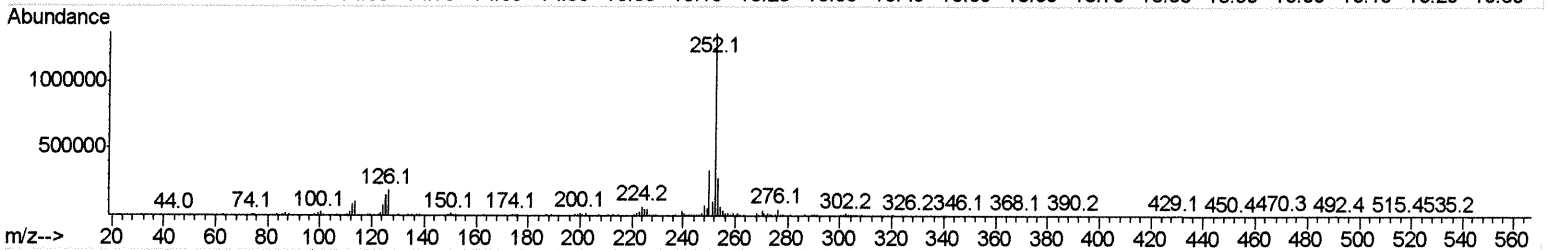
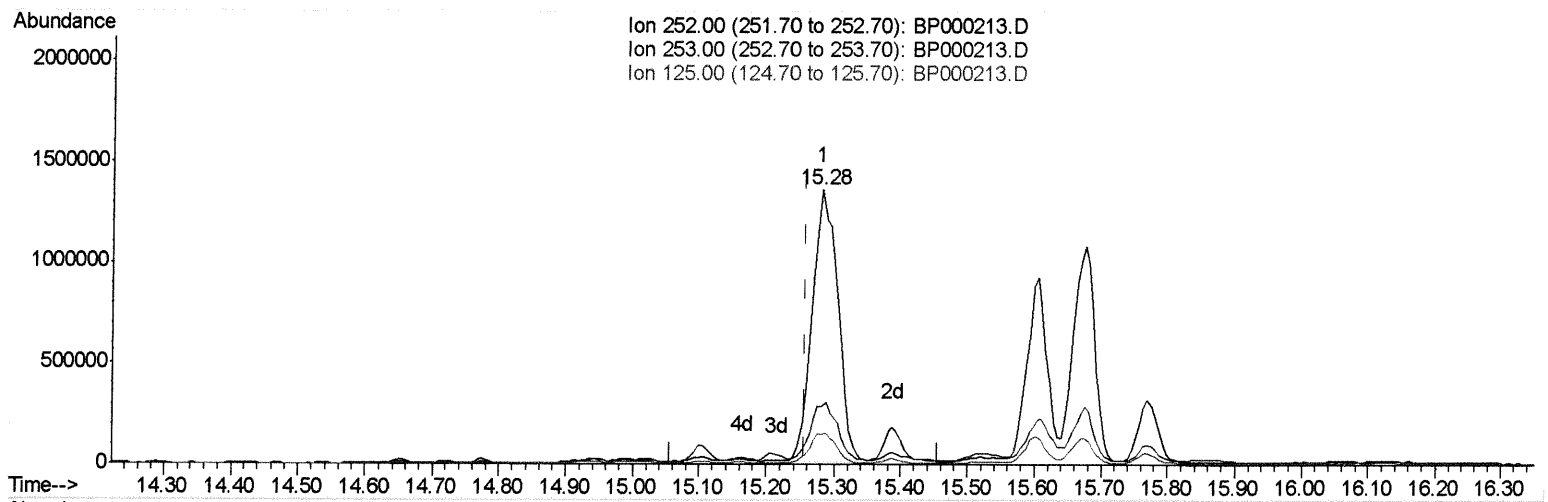
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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

15.281min (+0.024) 66.52ng/ul

response 3564886

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	20.82
125.00	12.70	10.75
0.00	0.00	0.00

Quantitation Report (Qedit)

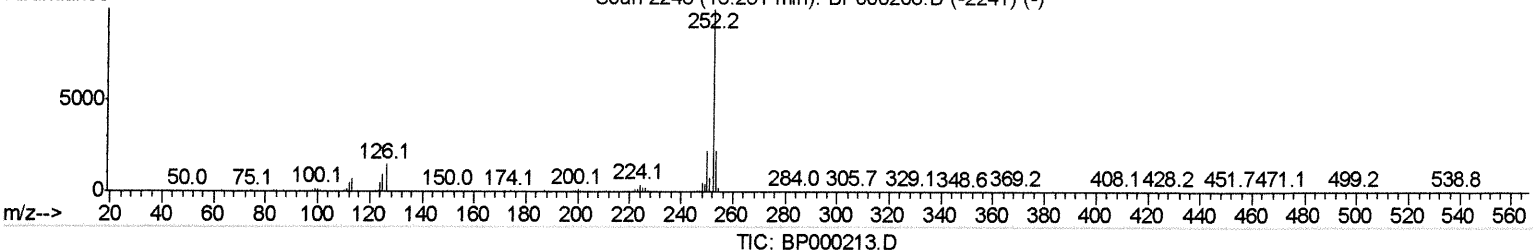
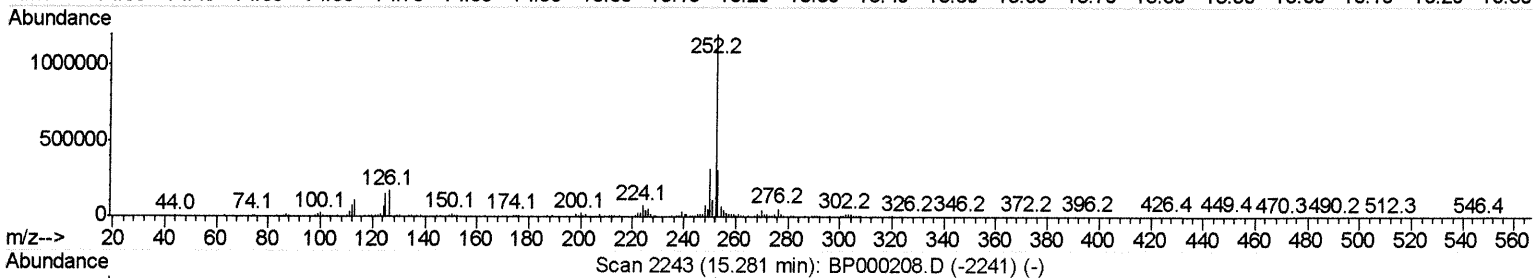
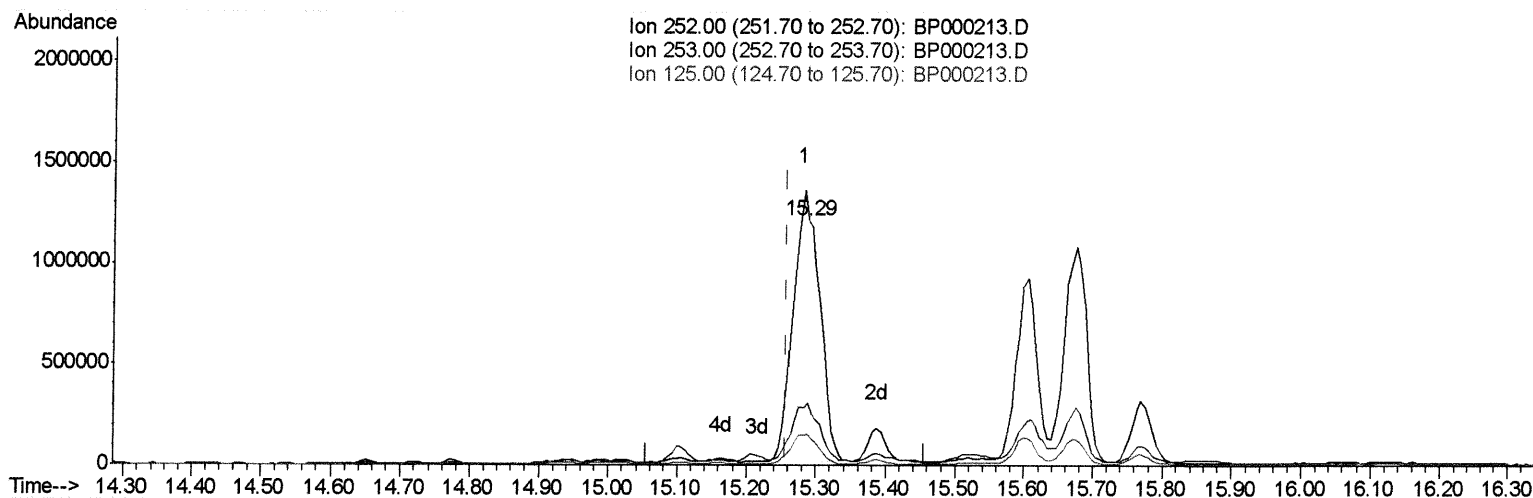
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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

15.286min (+0.030) 26.75ng/ul m

Ju
 09/17/19

response 1433341

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	25.35
125.00	12.70	12.62
0.00	0.00	0.00

Quantitation Report (Qedit)

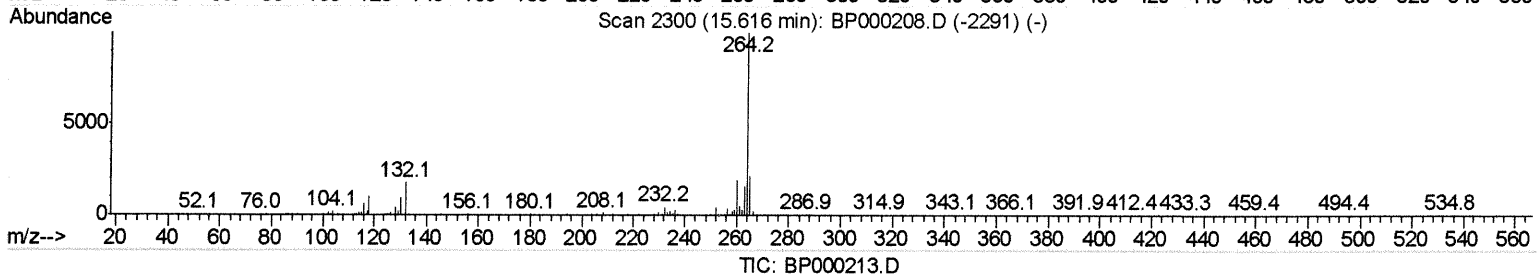
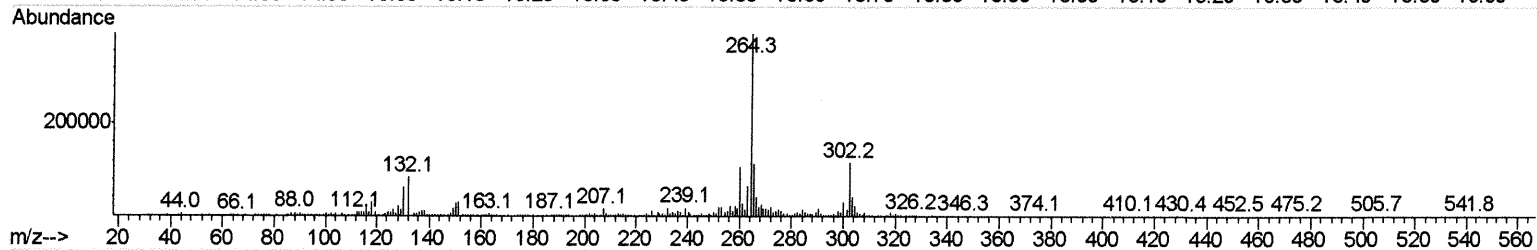
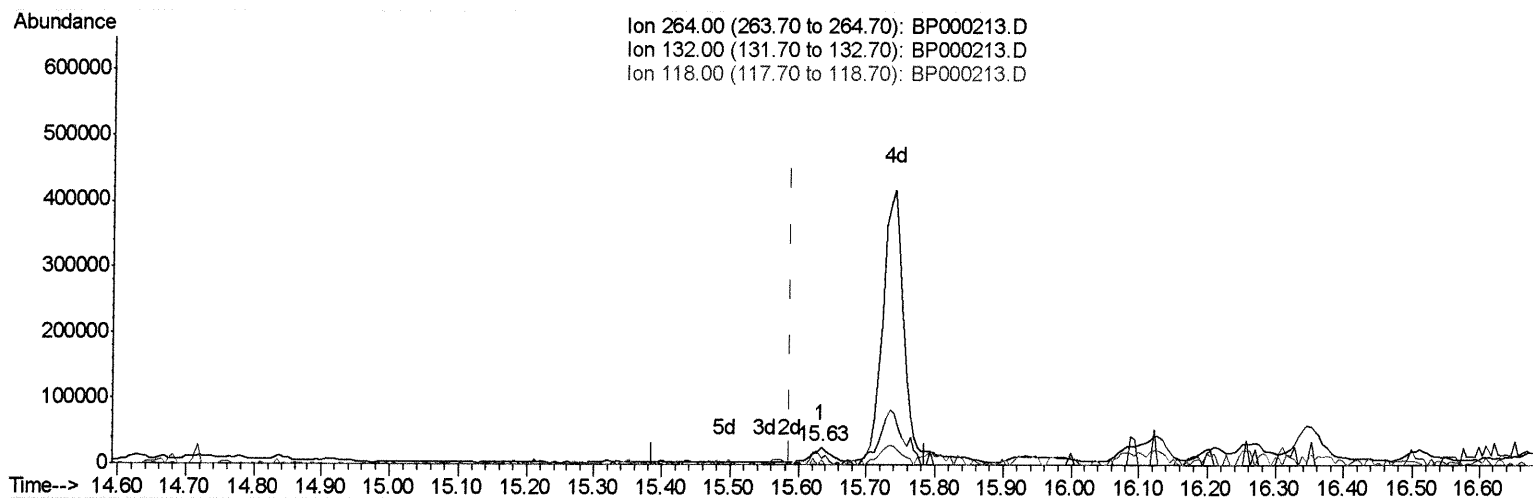
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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



(90) Benzo(a)pyrene-d12 (S)

15.634min (+0.047) 0.94ng/ul

response 41846

Ion	Exp%	Act%
264.00	100	100
132.00	18.00	32.42#
118.00	10.80	29.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

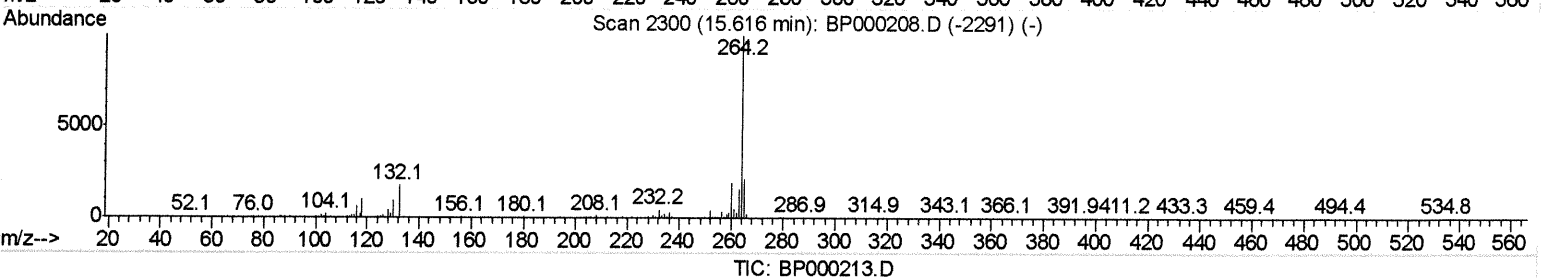
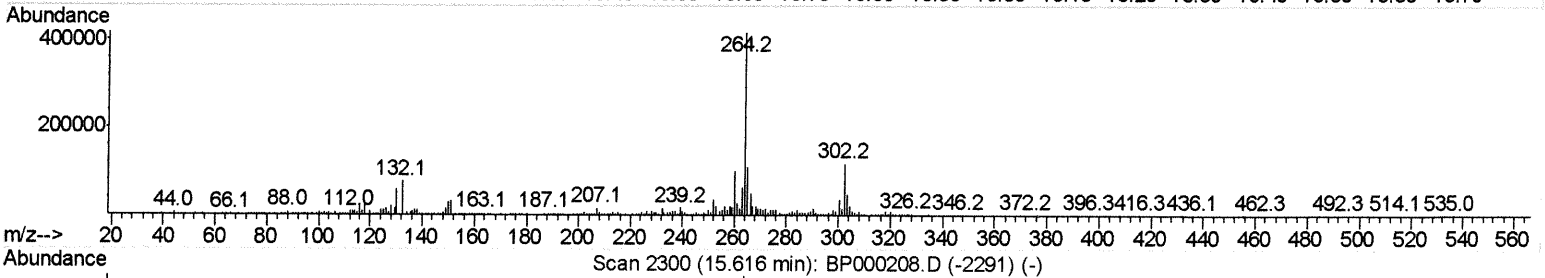
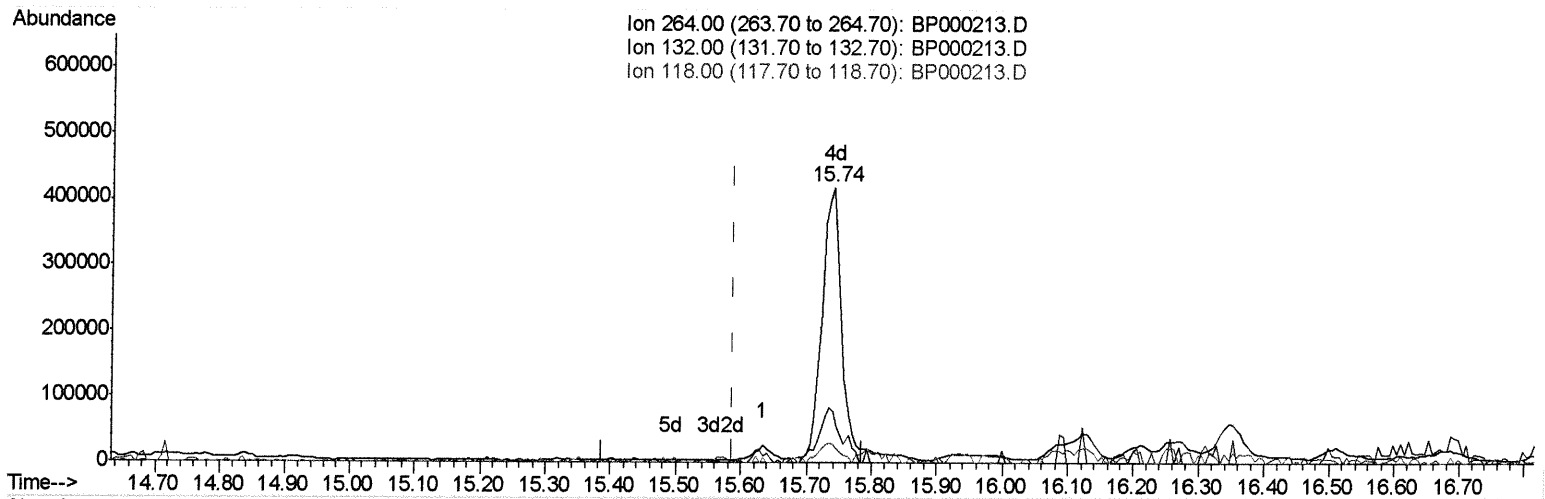
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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



(90) Benzo(a)pyrene-d12 (S)

15.739min (+0.153) 19.92ng/ul m *JU 09/17/19*

response 885472

Ion	Exp%	Act%
264.00	100	100
132.00	18.00	18.44
118.00	10.80	6.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

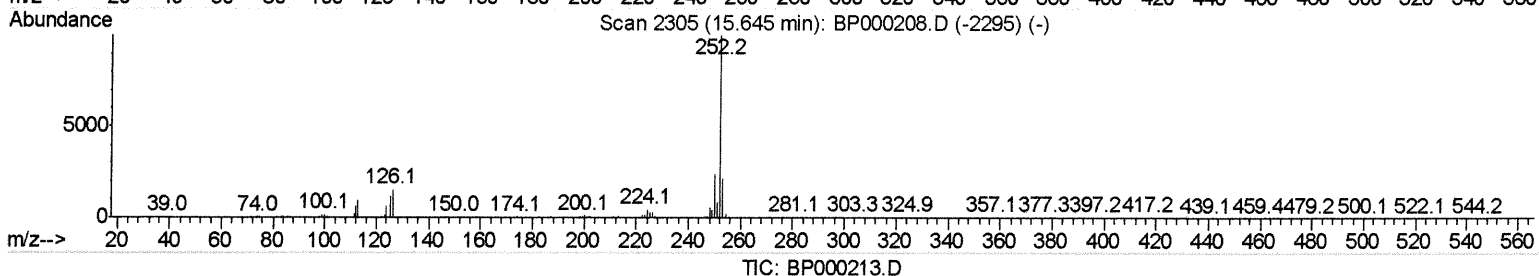
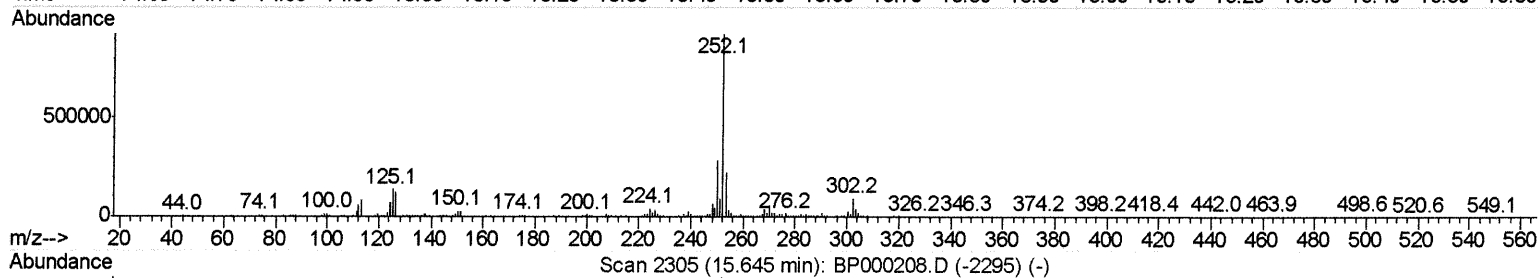
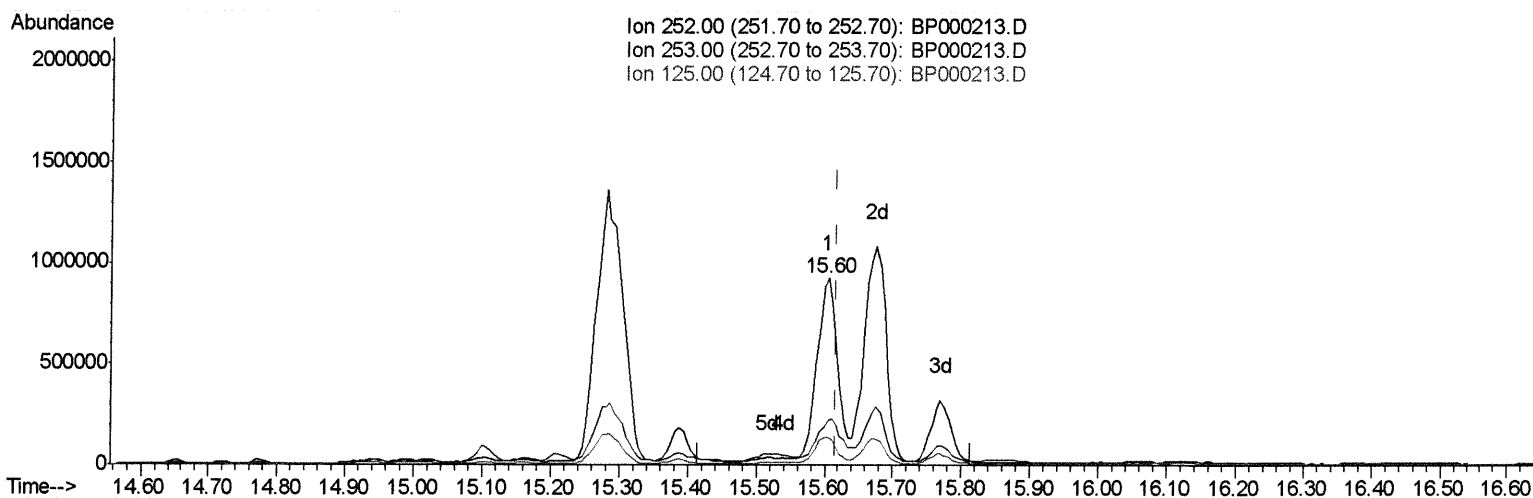
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000213.D
Acq On : 12 Sep 2019 13:14
Operator : HP/JU
Sample : K4633-07 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D05

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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)

15.604min (-0.012) 36.36ng/ul

response 1939567

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.79
125.00	12.70	15.02
0.00	0.00	0.00

Quantitation Report (Qedit)

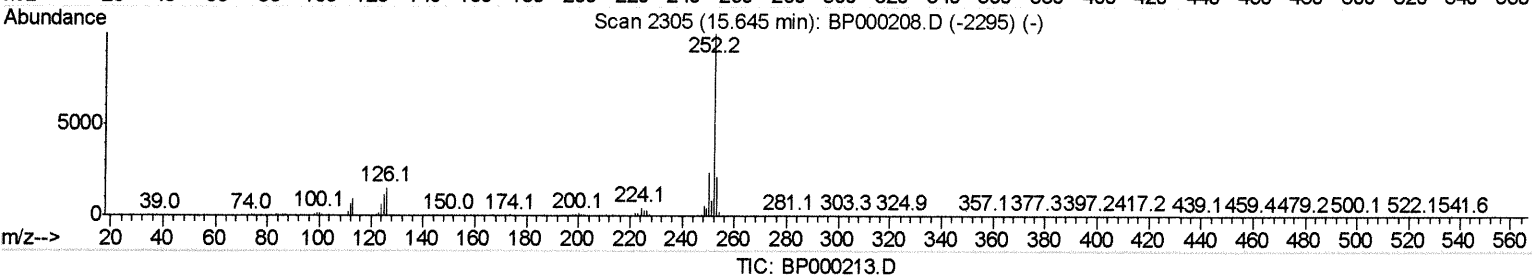
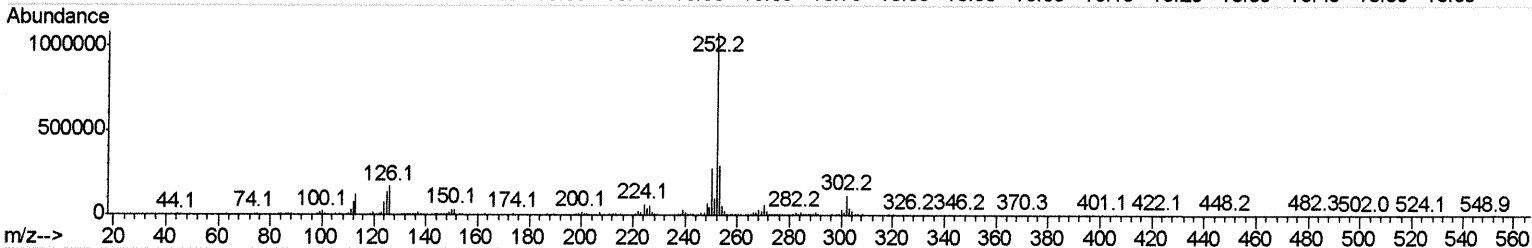
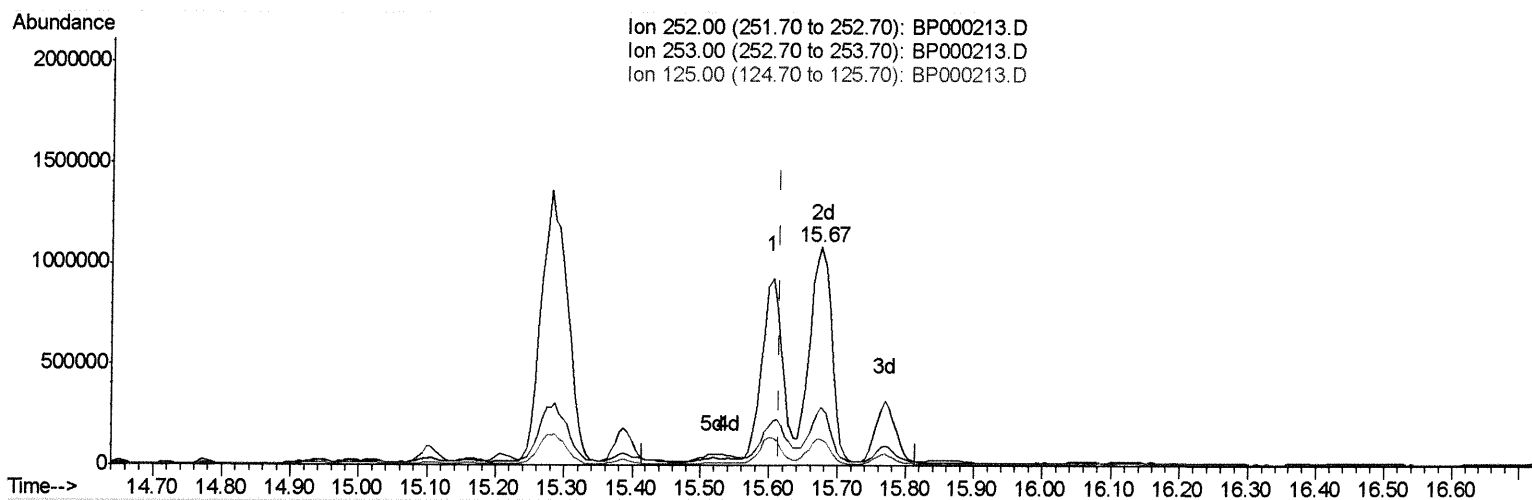
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 01:47:21 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)

15.675min (+0.059) 44.83ng/ul m *JU 09/17/19*

response 2391237

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	26.85#
125.00	12.70	12.31
0.00	0.00	0.00

Quantitation Report (Qedit)

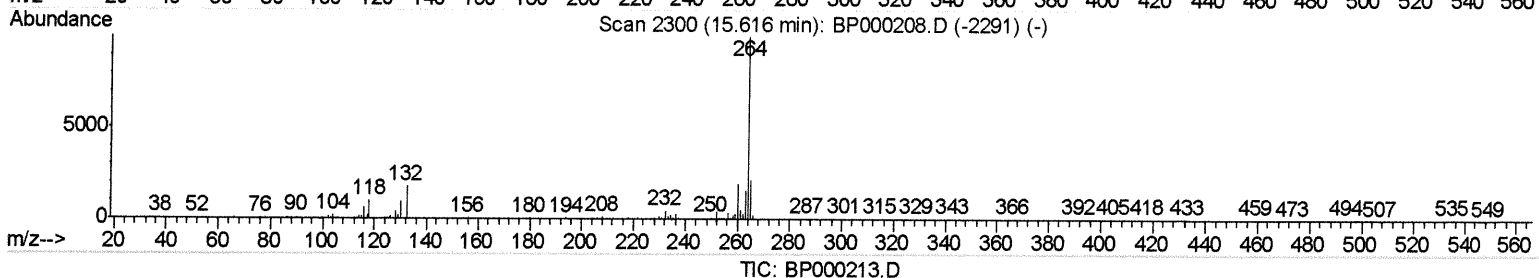
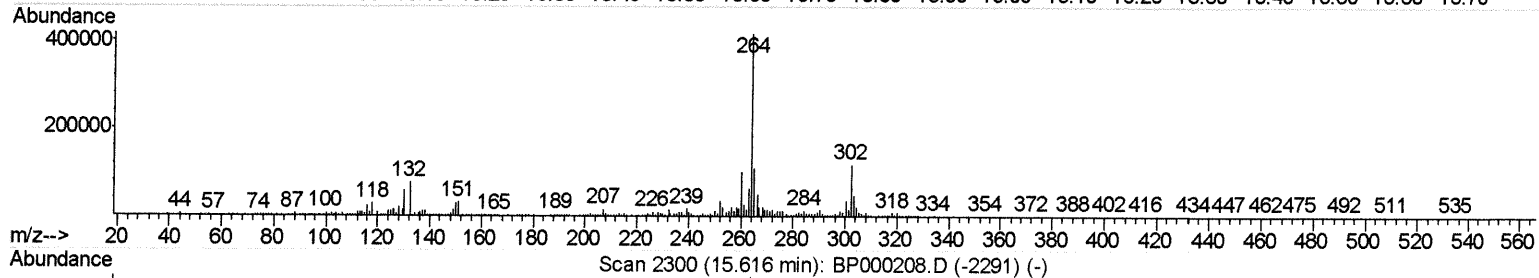
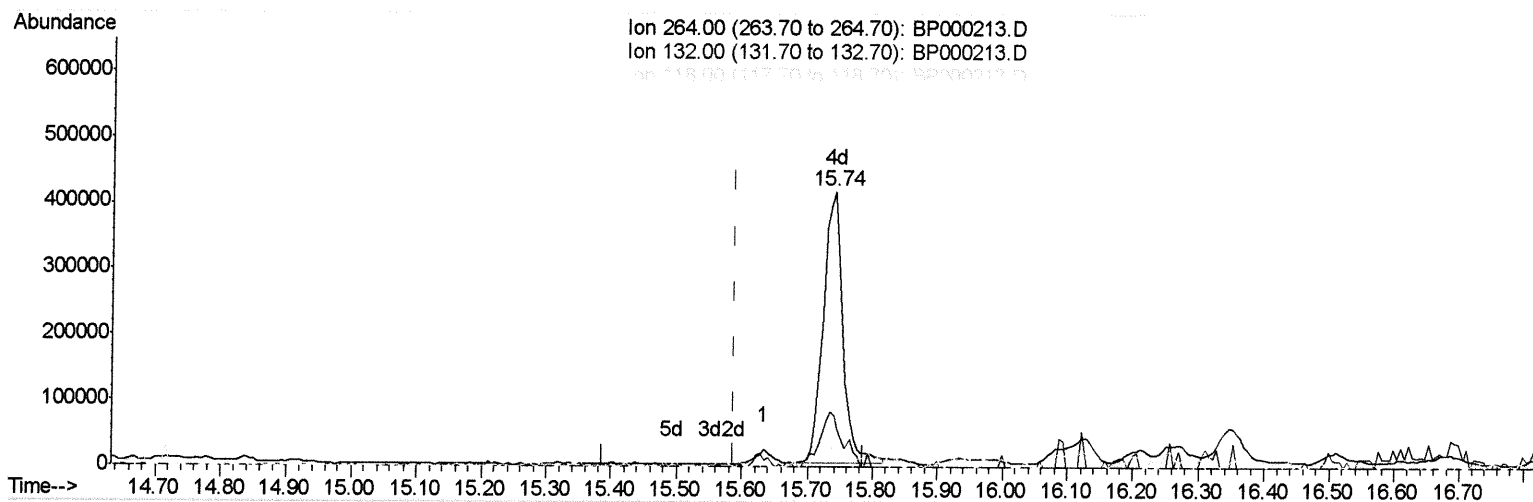
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000213.D
Acq On : 12 Sep 2019 13:14
Operator : HP/JU
Sample : K4633-07 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D05

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:55 AM

Quant Time: Sep 13 04:18:21 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



(90) Benzo(a)pyrene-d12 (S)

15.739min (+0.153) 19.92ng/ul m

JU
09/17/19

response 885472

Ion	Exp%	Act%
264.00	100	100
132.00	18.00	18.44
118.00	10.80	6.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

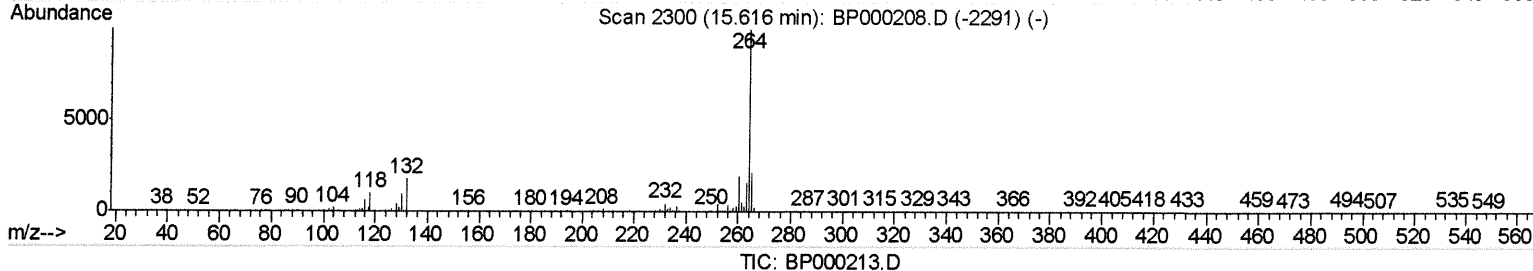
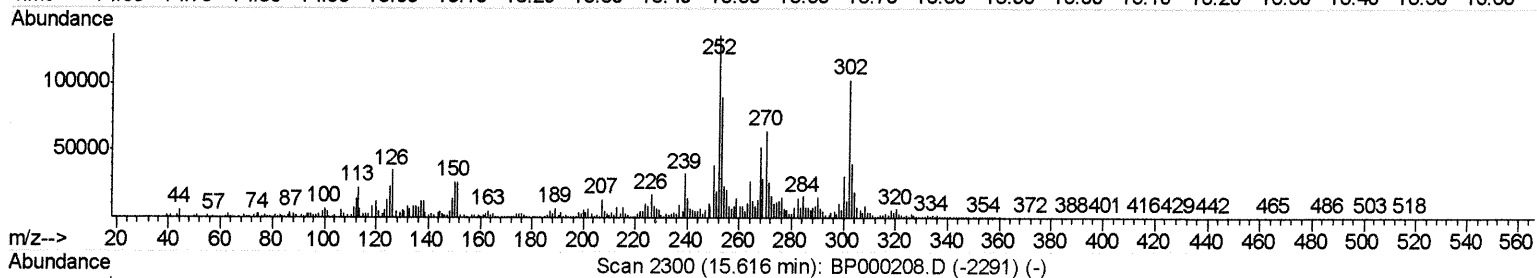
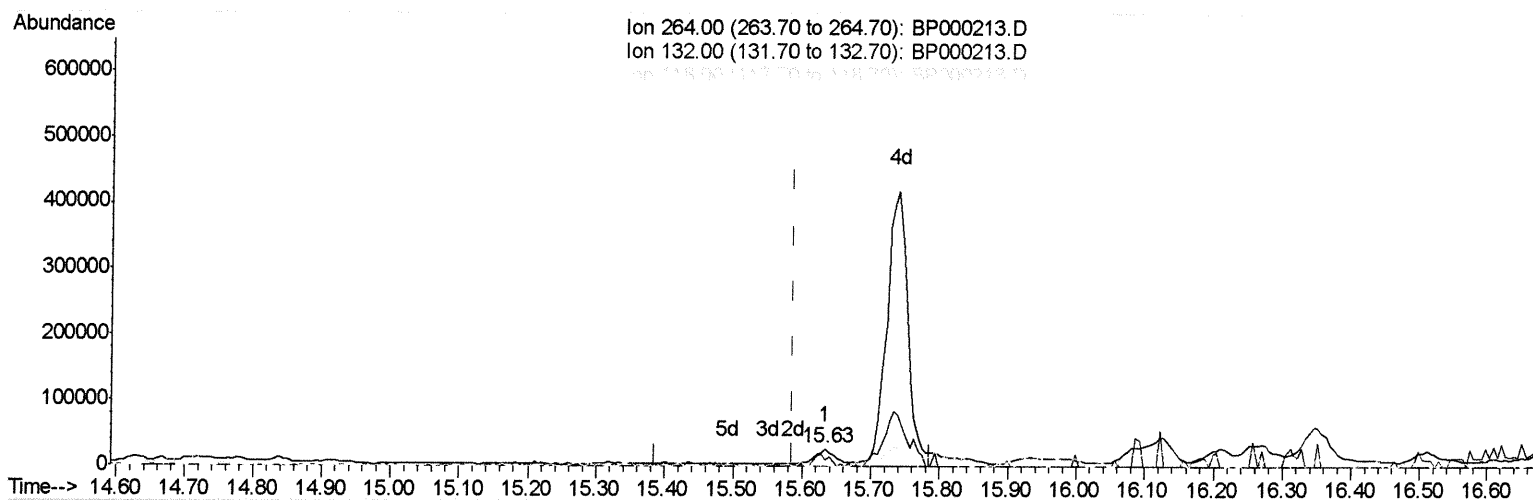
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000213.D
Acq On : 12 Sep 2019 13:14
Operator : HP/JU
Sample : K4633-07 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D05

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:55 AM

Quant Time: Sep 13 04:18:21 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



(90) Benzo(a)pyrene-d12 (S)

15.634min (+0.047) 1.34ng/ul m

JU
09/17/19

response 59654

Ion	Exp%	Act%
264.00	100	100
132.00	18.00	32.42#
118.00	10.80	29.64#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
 Data File : BP000213.D
 Acq On : 12 Sep 2019 13:14
 Operator : HP/JU
 Sample : K4633-07 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D05

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:55 AM

Quant Time: Sep 13 13:12:29 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	325542	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1232346	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	644629	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.45	188	1120320	20.00	ng/ul	0.00
78) Chrysene-d12	14.16	240	804291	20.00	ng/ul	0.02
86) Perylene-d12	15.74	264	857762	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.63	96	1309m →	0.14	ng/uL>	0.02	JU 09/17/19
5) Phenol-d5	6.50	99	21500	0.78	ng/ul	0.00	
7) Bis-(2-Chloroethyl) ether-d	6.57	67	11543	0.80	ng/ul	0.00	
9) 2-Chlorophenol-d4	6.66	132	17595	0.78	ng/ul	0.00	
13) 4-Methylphenol-d8	7.26	113	15733	0.76	ng/ul	0.00	
19) Nitrobenzene-d5	7.45	128	7519	0.80	ng/ul	0.00	
22) 2-Nitrophenol-d4	7.78	143	7086	0.78	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	8.02	165	13812	0.71	ng/ul	0.00	
29) 4-Chloroaniline-d4	8.23	131	2908	0.12	ng/ul	0.00	
44) Dimethylphthalate-d6	9.63	166	43875	0.92	ng/ul	0.00	
47) Acenaphthylene-d8	9.79	160	52467	0.89	ng/ul	0.00	
52) 4-Nitrophenol-d4	10.03	143	4933	0.58	ng/ul	0.00	
58) Fluorene-d10	10.47	176	35805	0.89	ng/ul	0.00	
63) 4,6-Dinitro-2-methylphenol	10.53	200	1059	0.21	ng/ul	0.00	
71) Anthracene-d10	11.51	188	53114	0.98	ng/ul	0.00	
79) Pyrene-d10	12.90	212	51740	1.08	ng/ul	0.00	
90) Benzo(a)pyrene-d12	15.63	264	59654m →	1.34	ng/ul>	0.05	JU 09/17/19

Target Compounds

					Qvalue	
50) Acenaphthene	9.98	153	88752	2.084	ng/ul	98
70) Phenanthrene	11.47	178	1136043	17.147	ng/ul	98
72) Anthracene	11.53	178	199983	3.068	ng/ul	98
75) Carbazole	11.68	167	210074	3.769	ng/ul	100
77) Fluoranthene	12.69	202	2565245	38.388	ng/ul	99
80) Pyrene	12.93	202	2889051	47.611	ng/ul	94
83) Benzo(a)anthracene	14.15	228	2355594	40.460	ng/ul	97
85) Chrysene	14.19	228	2500197	46.798	ng/ul	97
88) Benzo(b)fluoranthene	15.28	252	2111533m →	37.142	ng/ul	72
89) Benzo(k)fluoranthene	15.29	252	1433341m →	26.747	ng/ul	72
91) Benzo(a)pyrene	15.67	252	2391237m →	44.830	ng/ul	72
92) Indeno(1,2,3-cd)pyrene	17.35	276	1249040	20.355	ng/ul	100
93) Dibenzo(a,h)anthracene	17.35	278	461027	9.071	ng/ul#	83
94) Benzo(g,h,i)perylene	17.82	276	1201862	23.491	ng/ul	99

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