

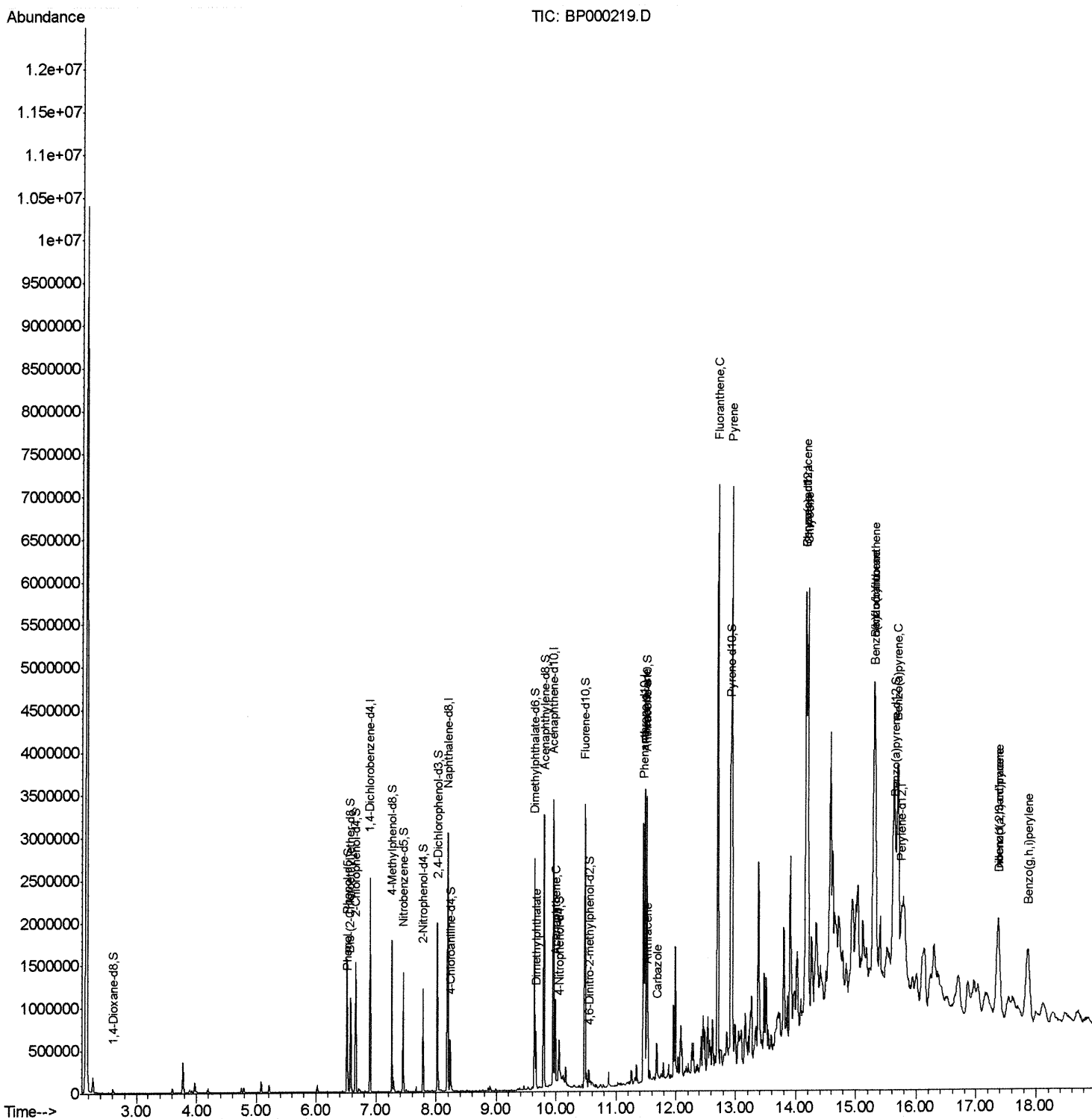
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:08:48 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)

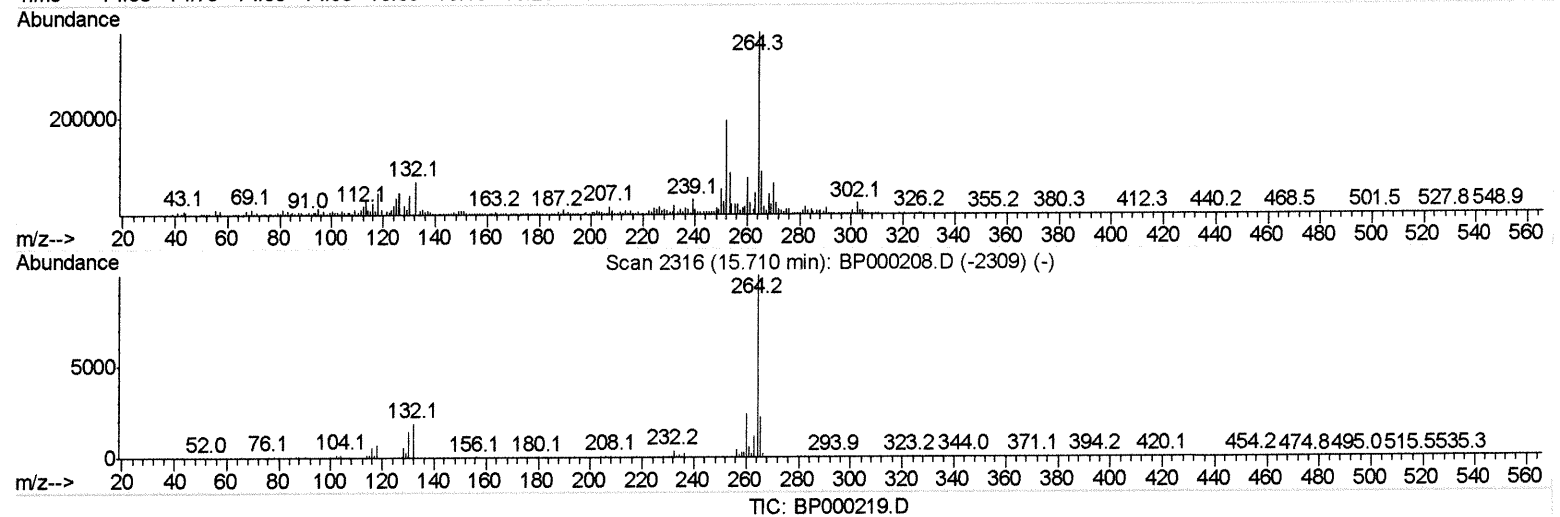
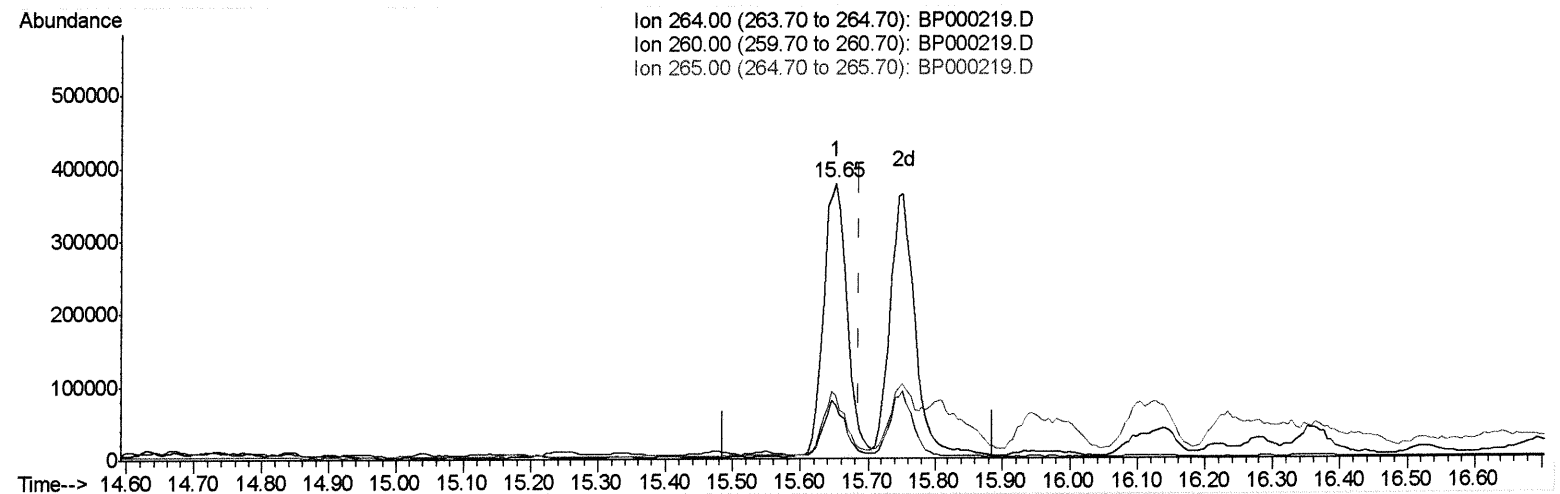
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 01:49:02 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)

15.651min (-0.035) 20.00ng/ul

response 906559

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	19.63
265.00	21.80	23.17
0.00	0.00	0.00

Quantitation Report (Qedit)

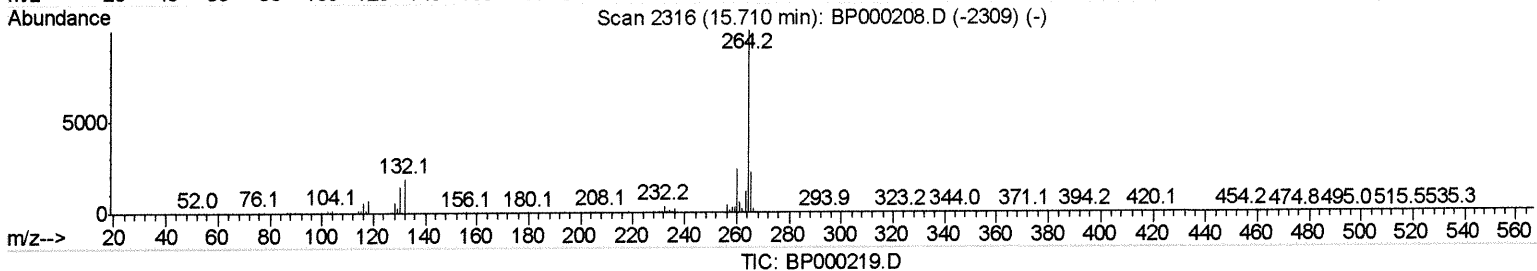
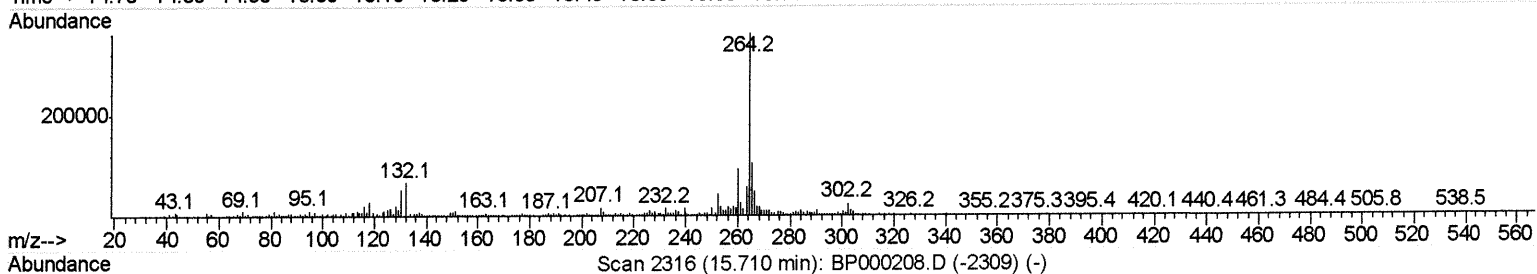
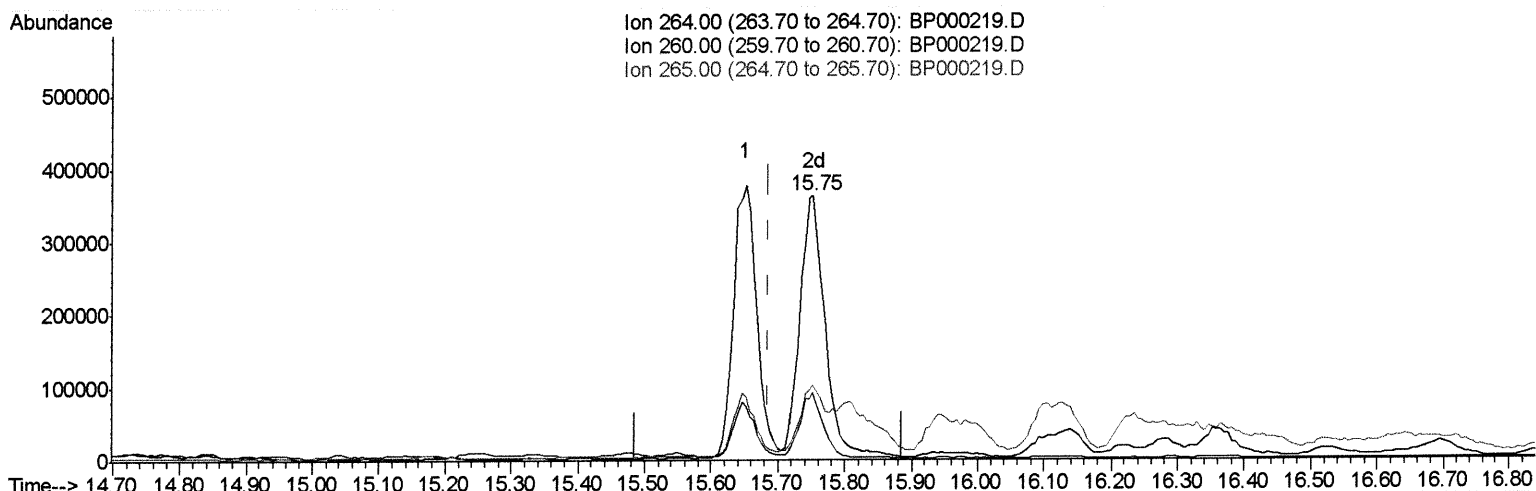
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 01:49:02 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)

15.751min (+0.065) 20.00ng/ul m

JU
09/17/19

response 901344

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	25.31
265.00	21.80	28.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

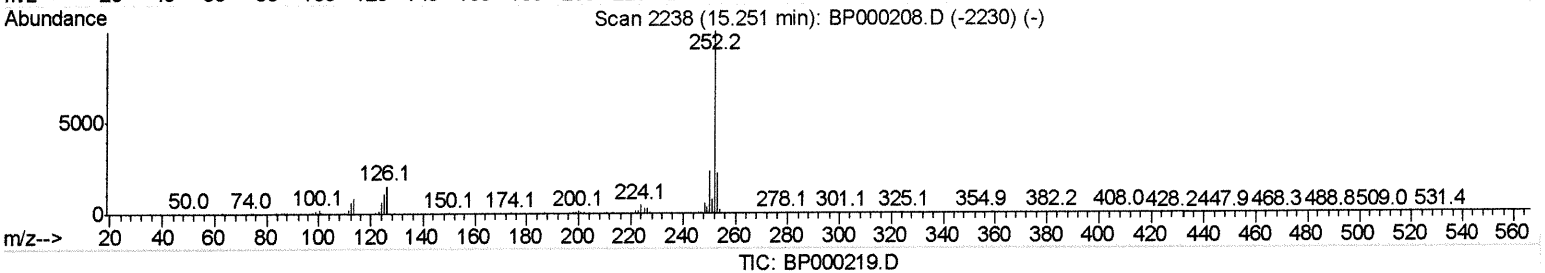
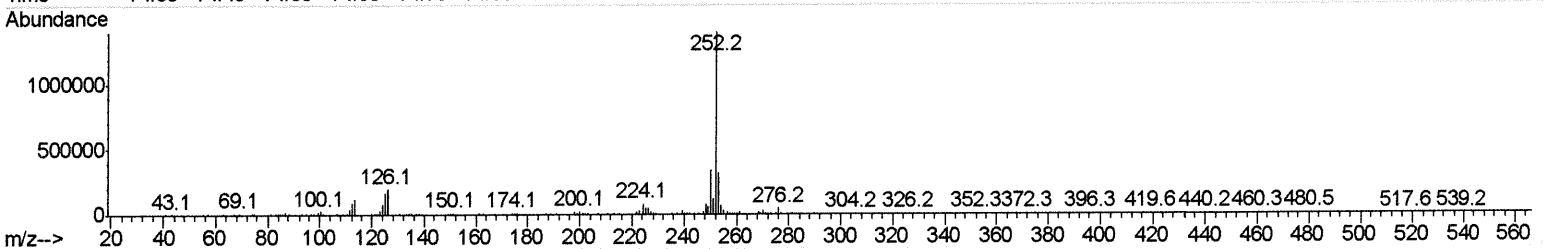
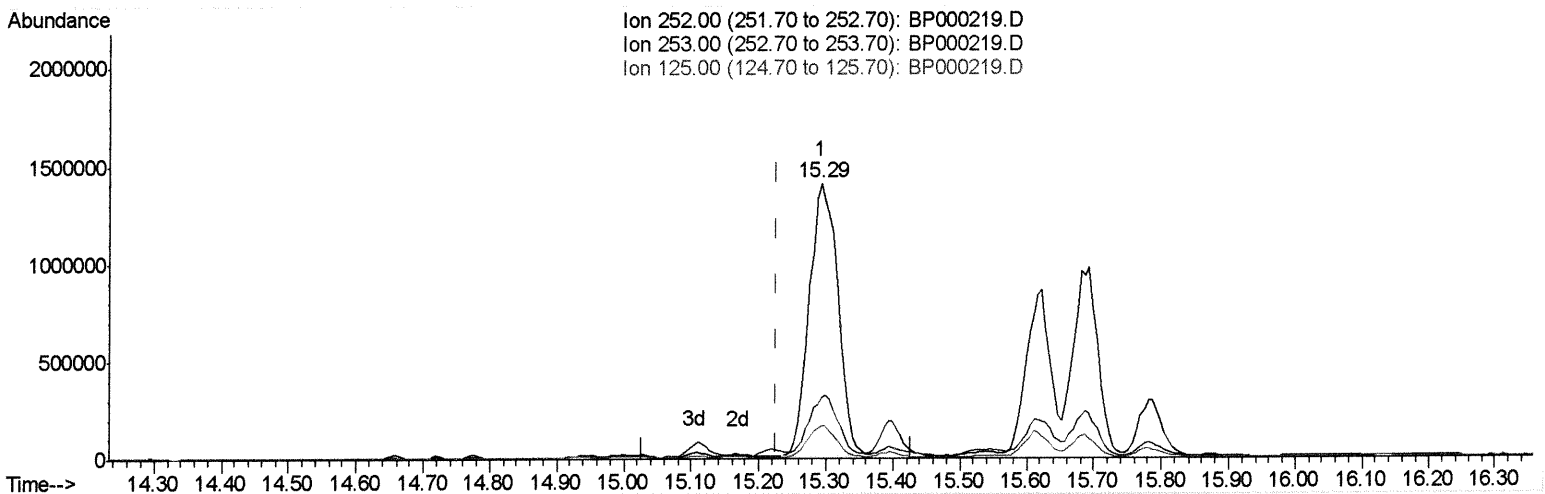
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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

15.292min (+0.065) 69.40ng/ui

response 4145942

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.39
125.00	12.40	11.77
0.00	0.00	0.00

Quantitation Report (Qedit)

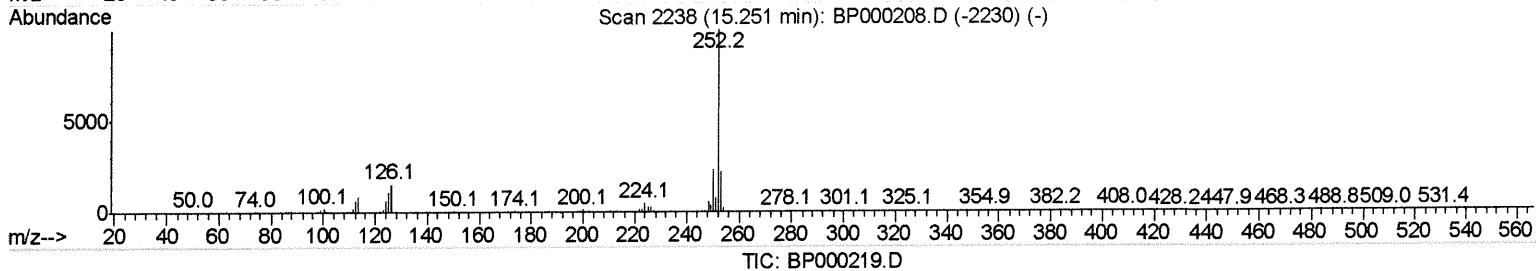
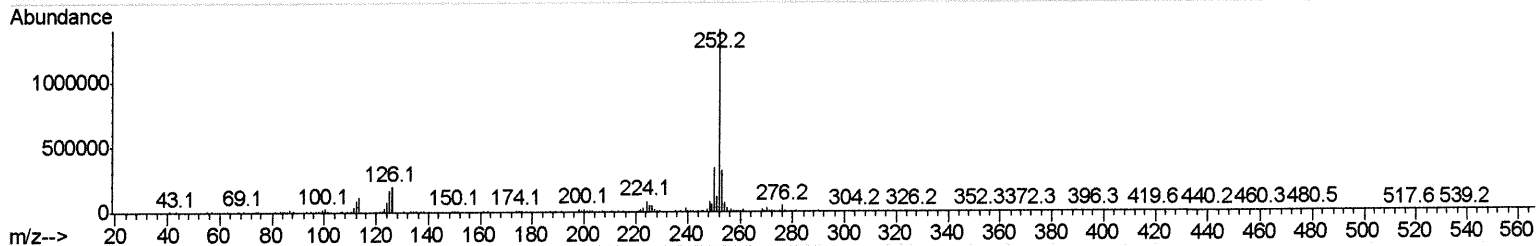
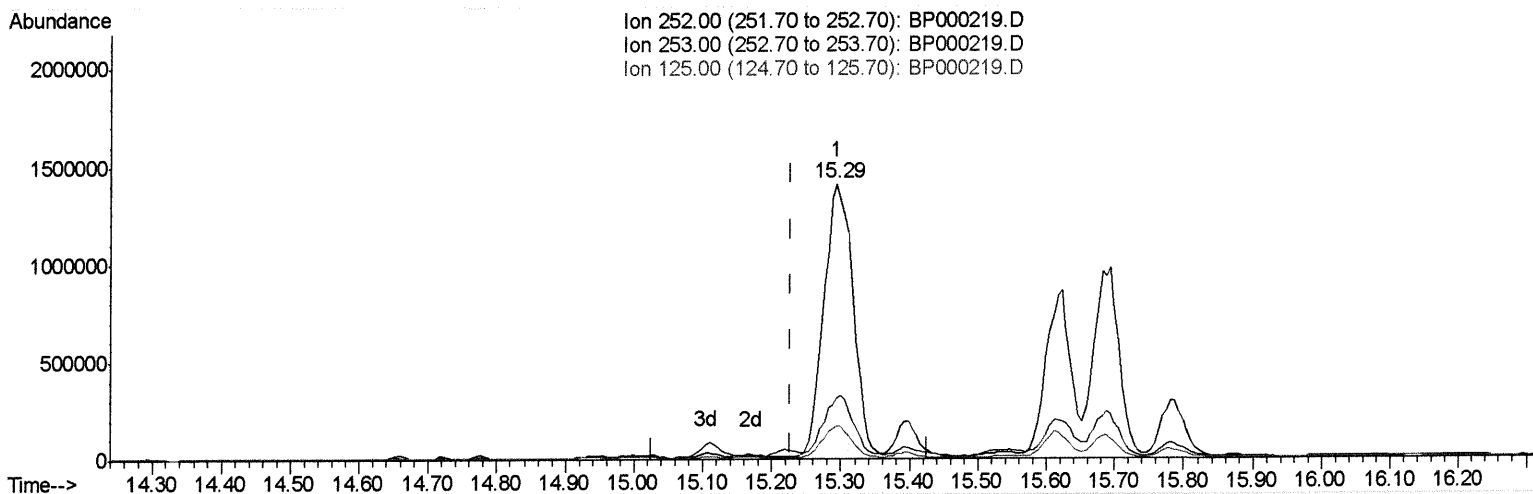
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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

15.292min (+0.065) 55.99ng/ul m

JU
09/17/19

response 3344690

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.39
125.00	12.40	11.77
0.00	0.00	0.00

Quantitation Report (Qedit)

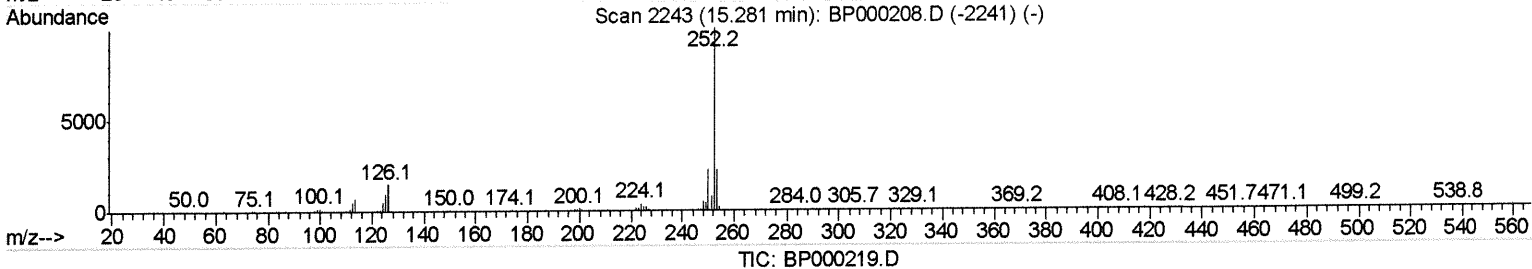
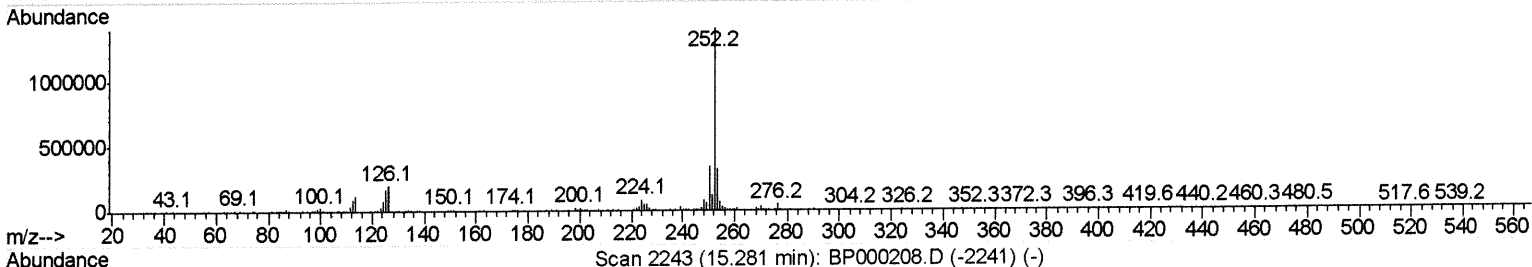
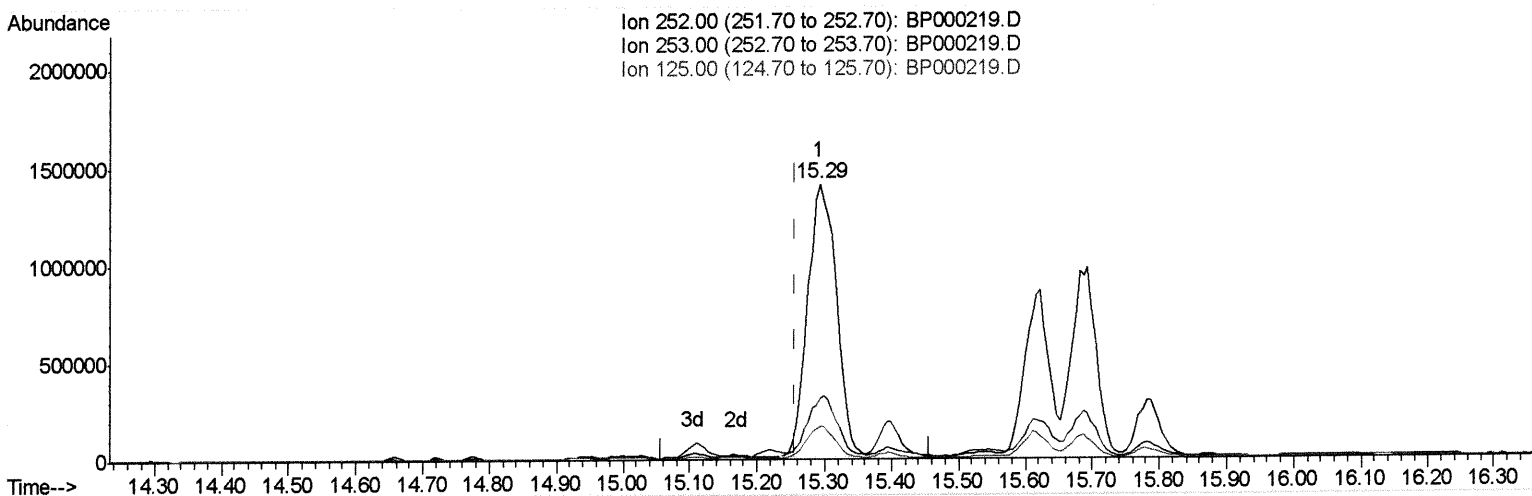
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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

15.292min (+0.035) 73.62ng/ul

response 4145942

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.39
125.00	12.70	11.77
0.00	0.00	0.00

Quantitation Report (Qedit)

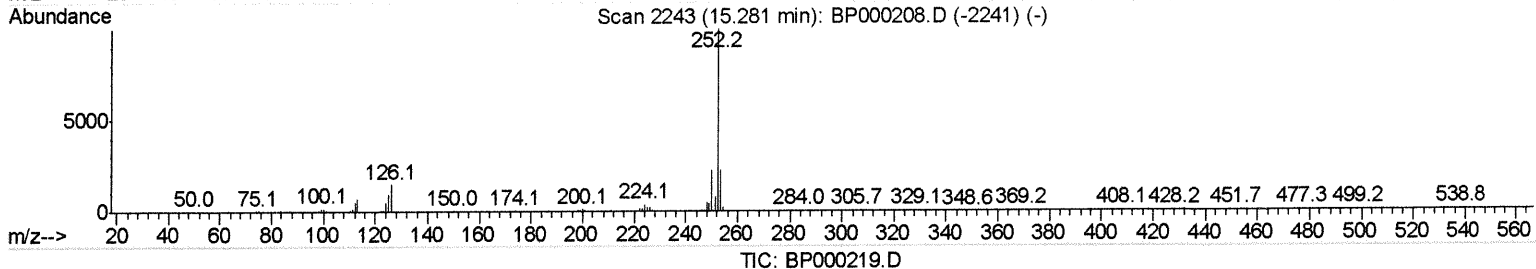
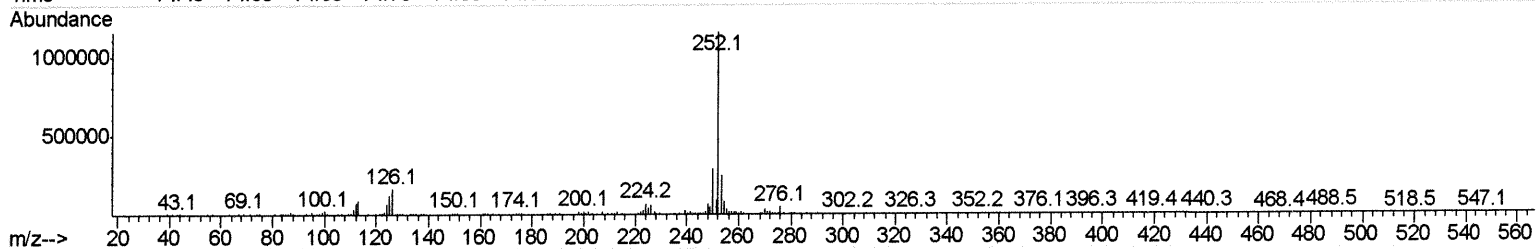
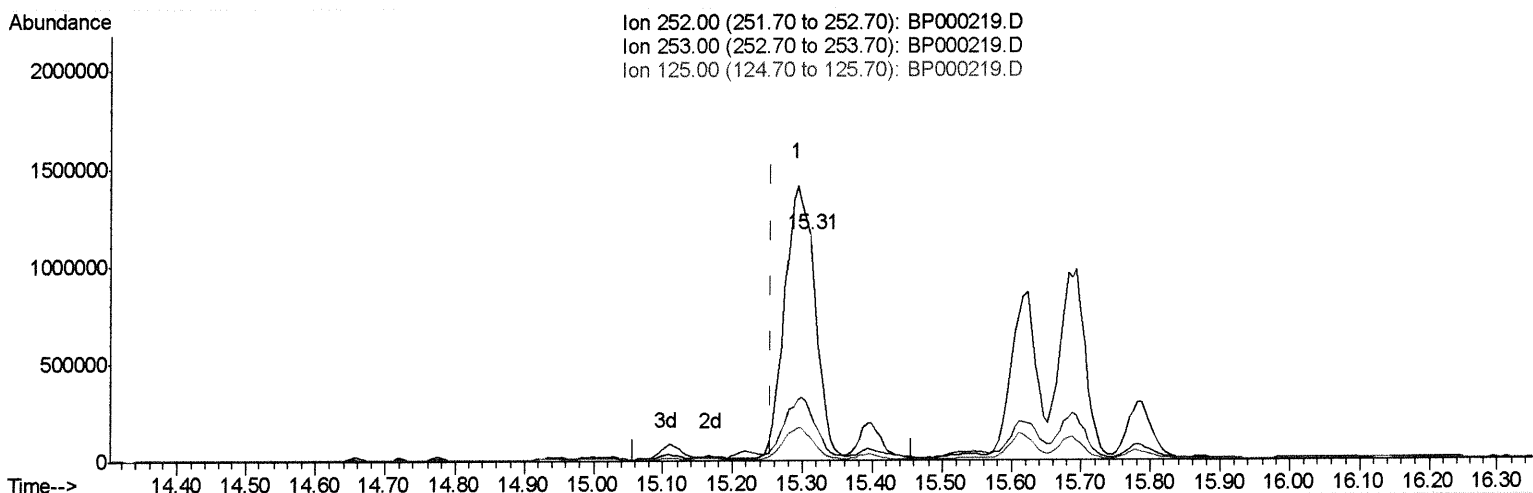
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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

15.310min (+0.053) 13.37ng/ul m

JU
09/17/19

response 753152

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.59
125.00	12.70	10.41
0.00	0.00	0.00

Quantitation Report (Qedit)

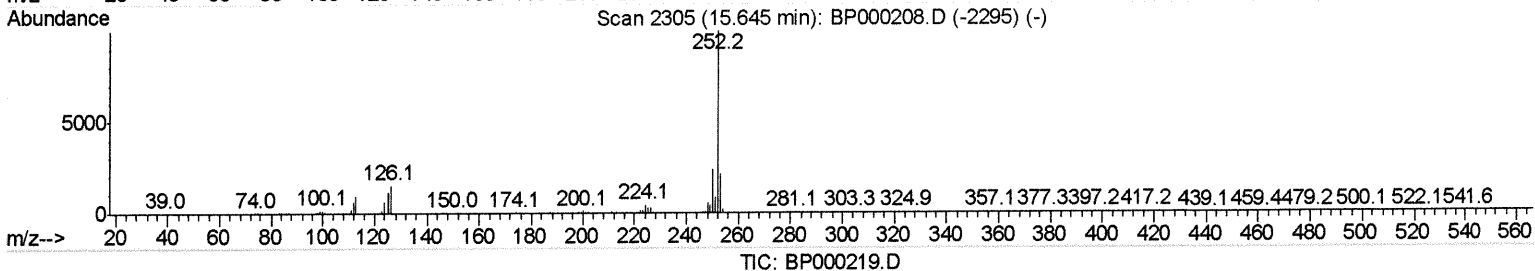
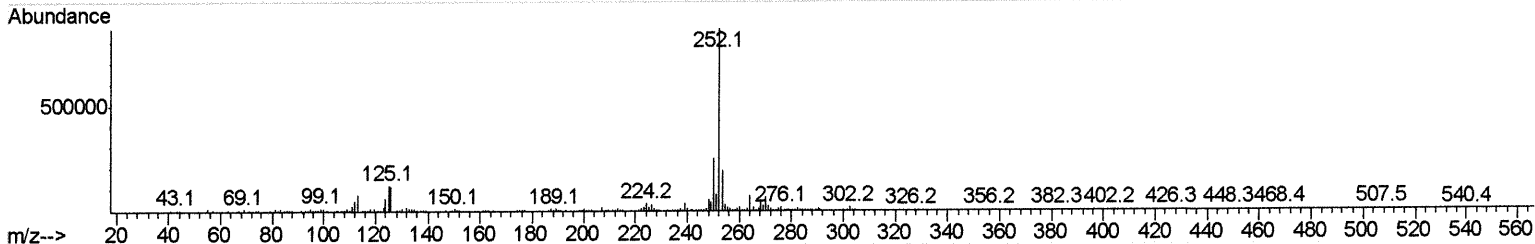
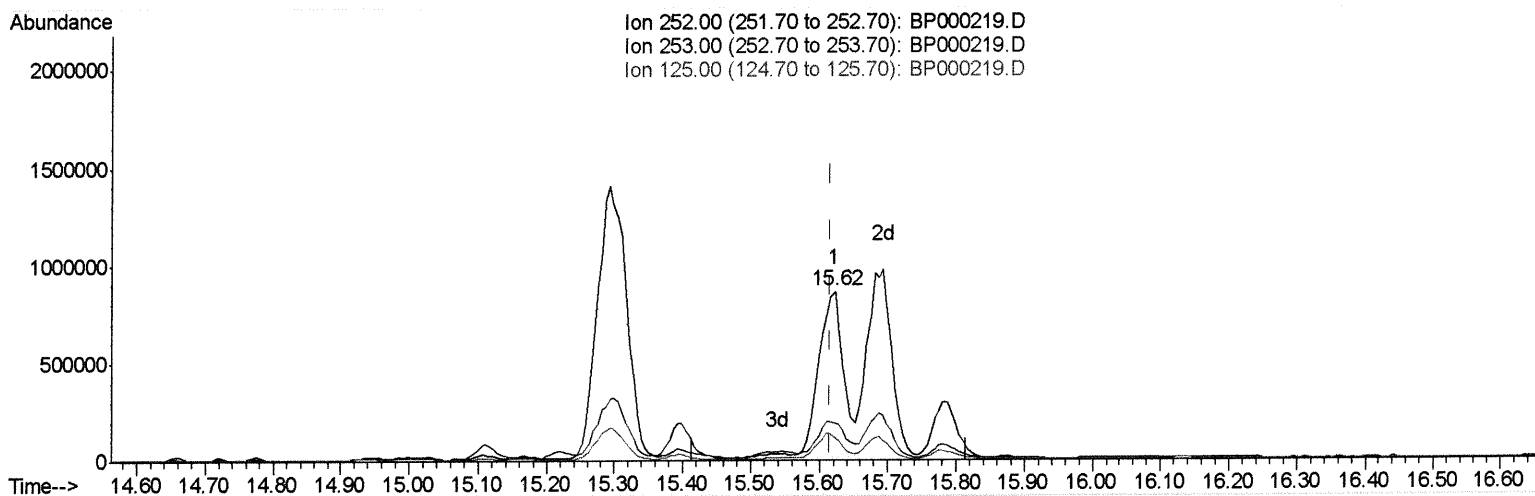
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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)

15.622min (+0.006) 37.77ng/ul

response 2117079

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.14
125.00	12.70	13.70
0.00	0.00	0.00

Quantitation Report (Qedit)

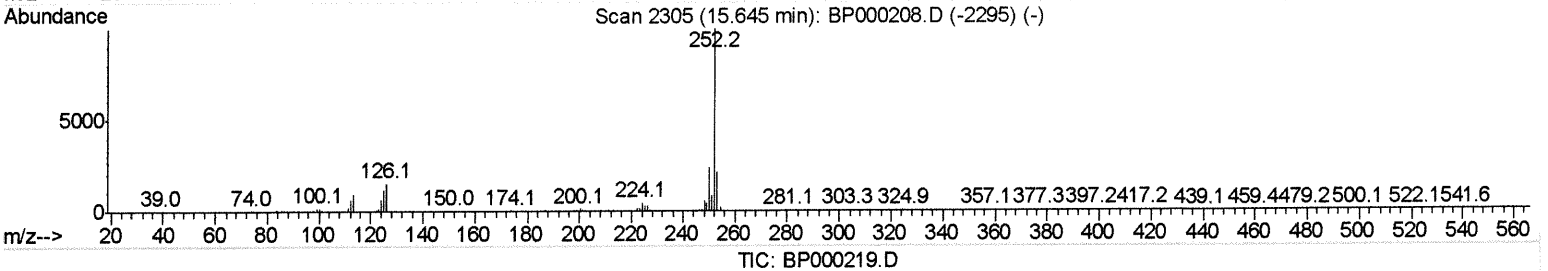
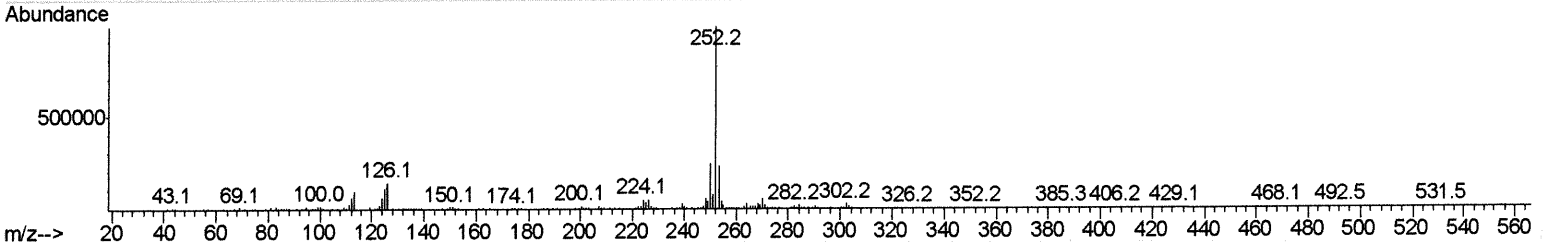
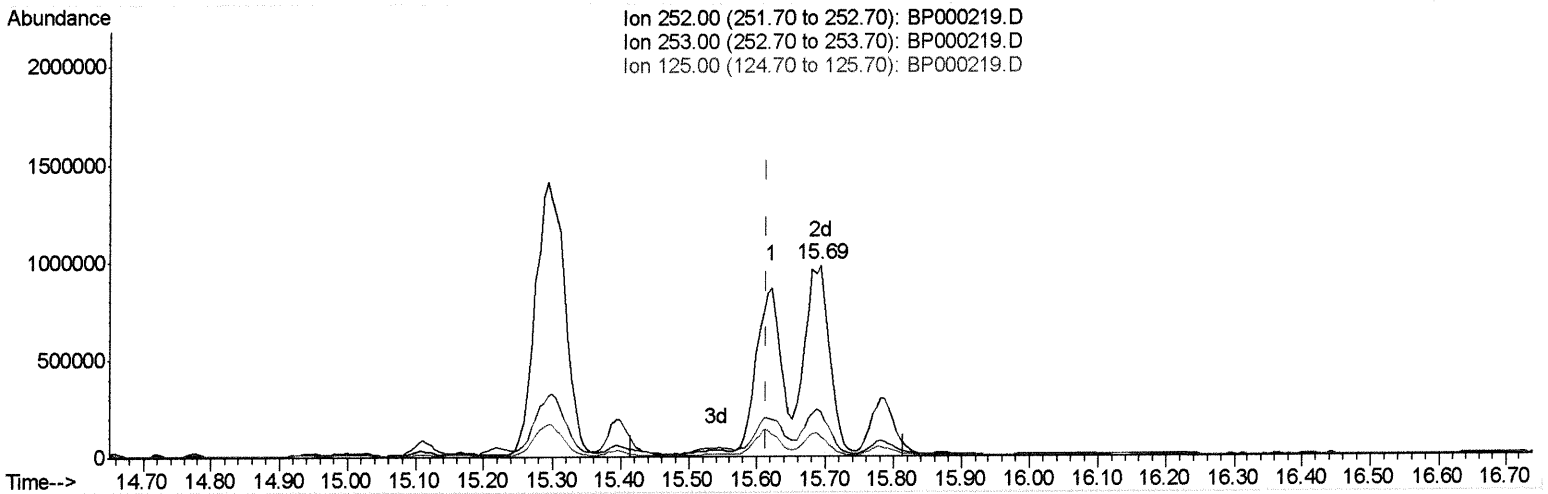
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000219.D
 Acq On : 12 Sep 2019 15:40
 Operator : HP/JU
 Sample : K4634-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D36

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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)

15.692min (+0.077) 42.99ng/ul m *JU 09/17/19*

response 2409609

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.47
125.00	12.70	10.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000219.D
 Acq On : 12 Sep 2019 15:40
 Operator : HP/JU
 Sample : K4634-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

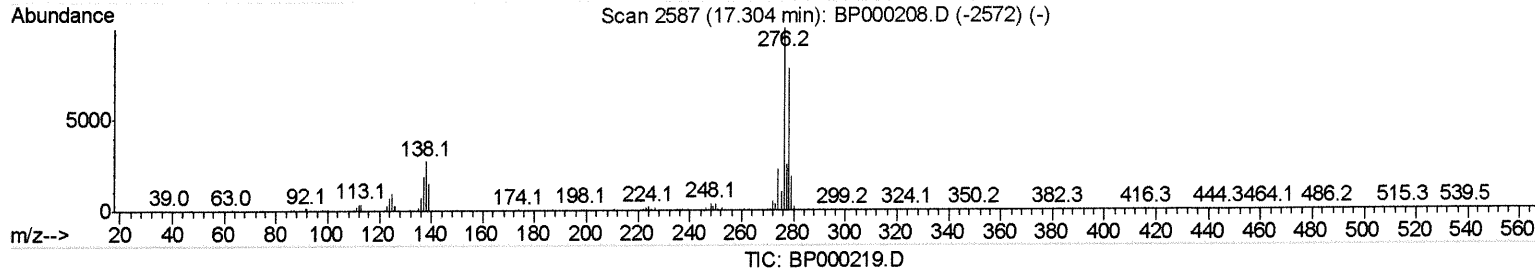
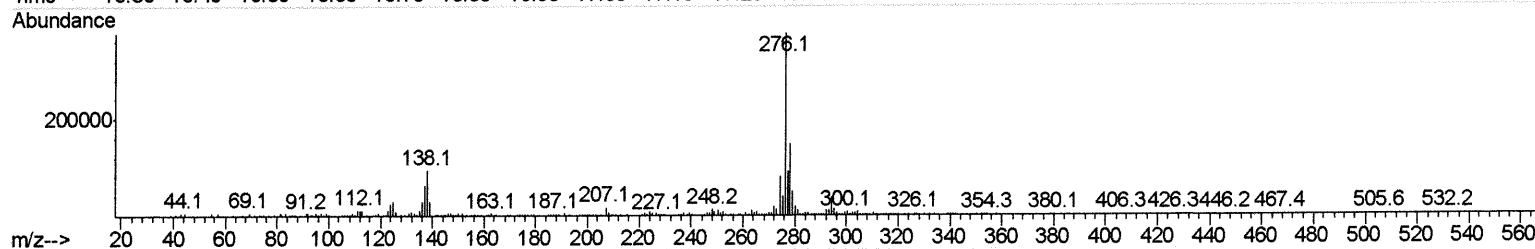
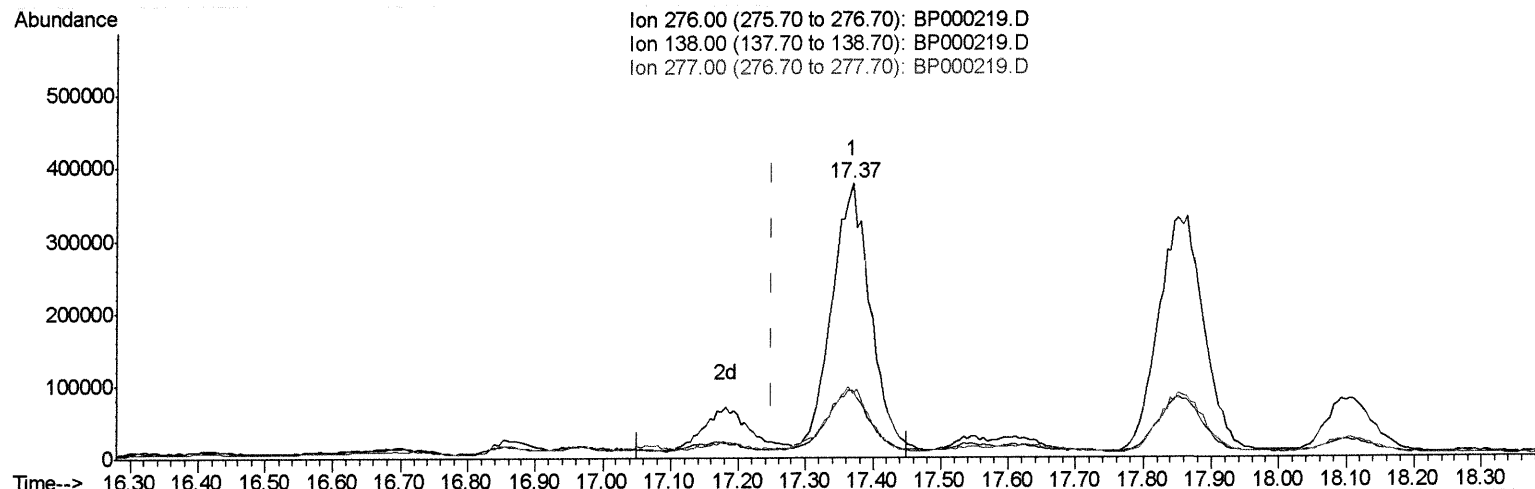
Instrument :
 BNA_P
 ClientSampleId :
 F2D36

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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

Ion 276.00 (275.70 to 276.70): BP000219.D
 Ion 138.00 (137.70 to 138.70): BP000219.D
 Ion 277.00 (276.70 to 277.70): BP000219.D



(92) Indeno(1,2,3-cd)pyrene
 17.369min (+0.118) 17.35ng/ul

response 1118808

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	24.77
277.00	24.20	23.78
0.00	0.00	0.00

Quantitation Report (Qedit)

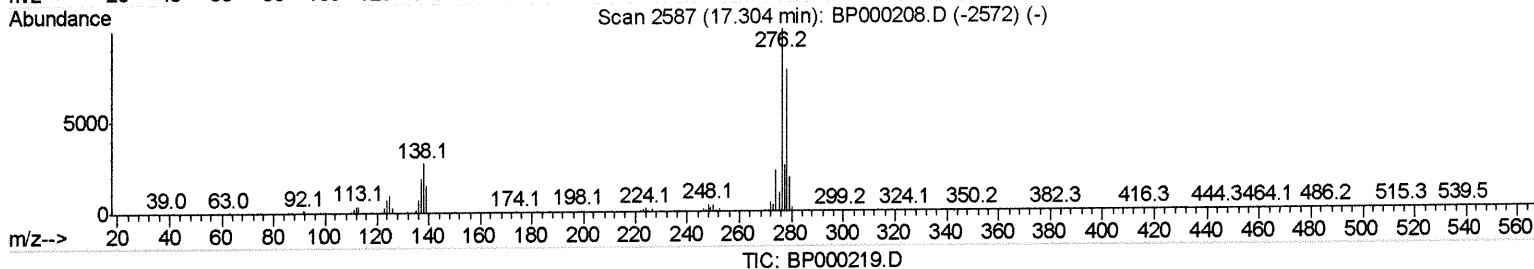
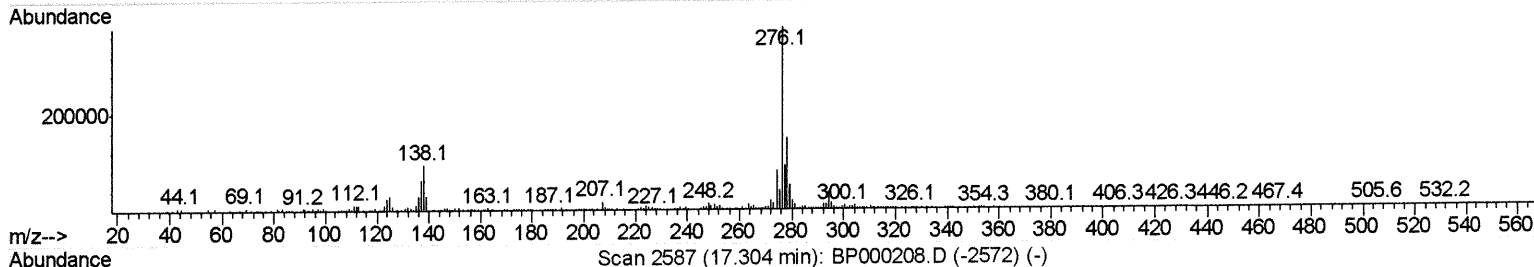
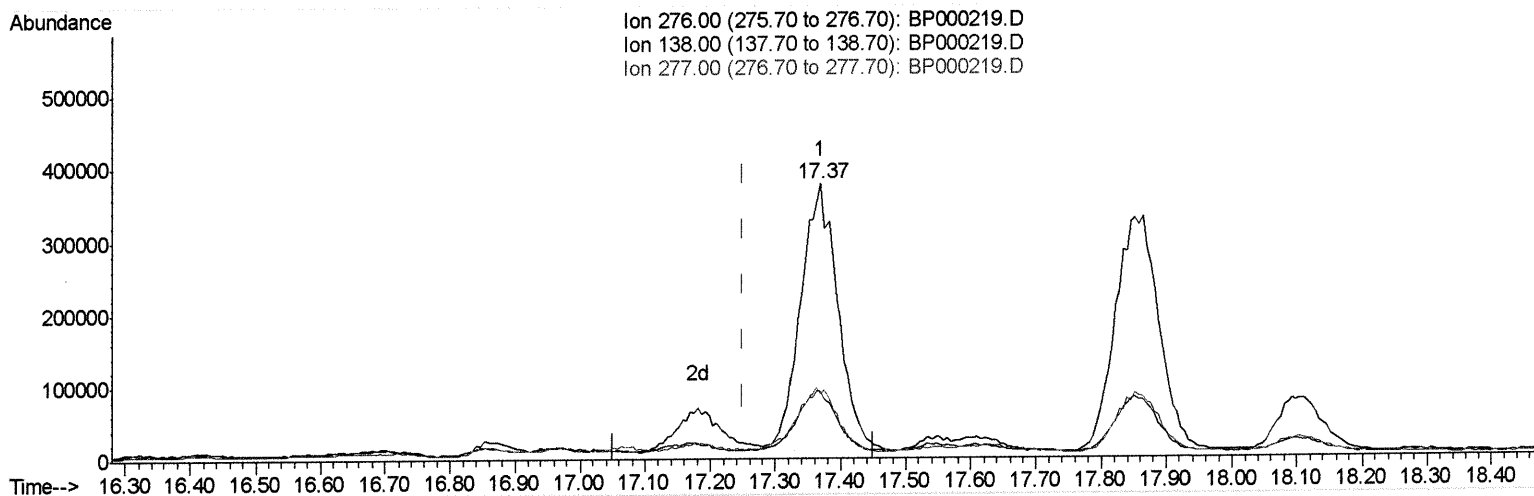
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000219.D
 Acq On : 12 Sep 2019 15:40
 Operator : HP/JU
 Sample : K4634-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D36

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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) 22.61ng/ul m

JU
 09/17/19

response 1457735

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	24.77
277.00	24.20	23.78
0.00	0.00	0.00

Quantitation Report (Qedit)

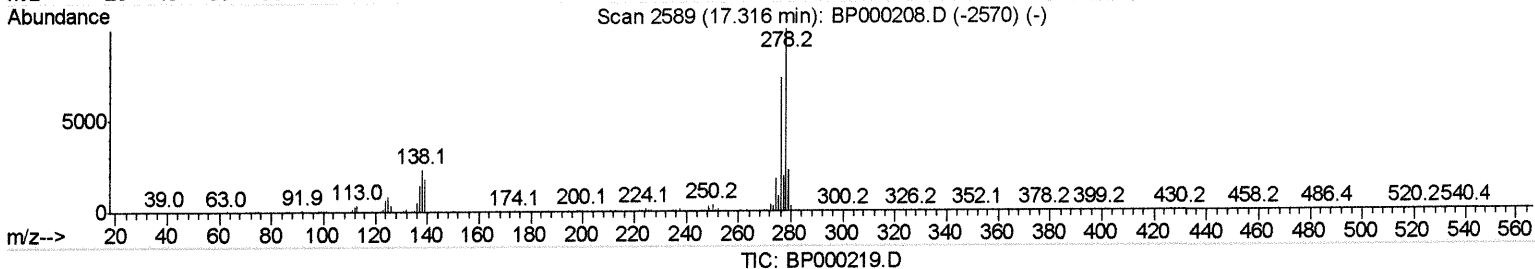
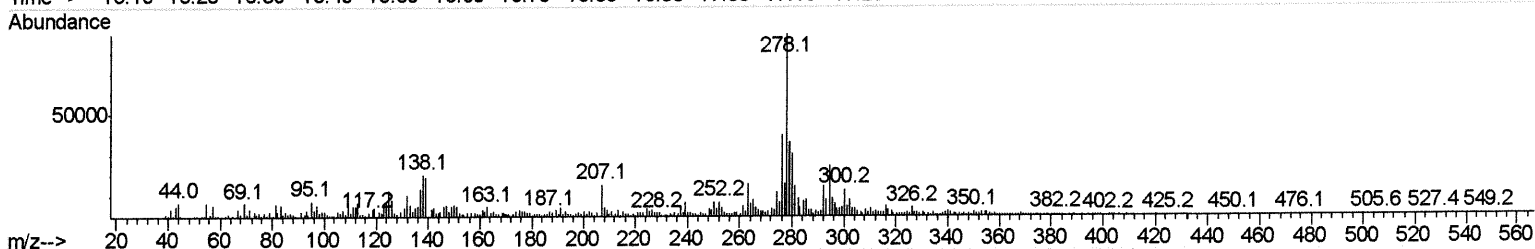
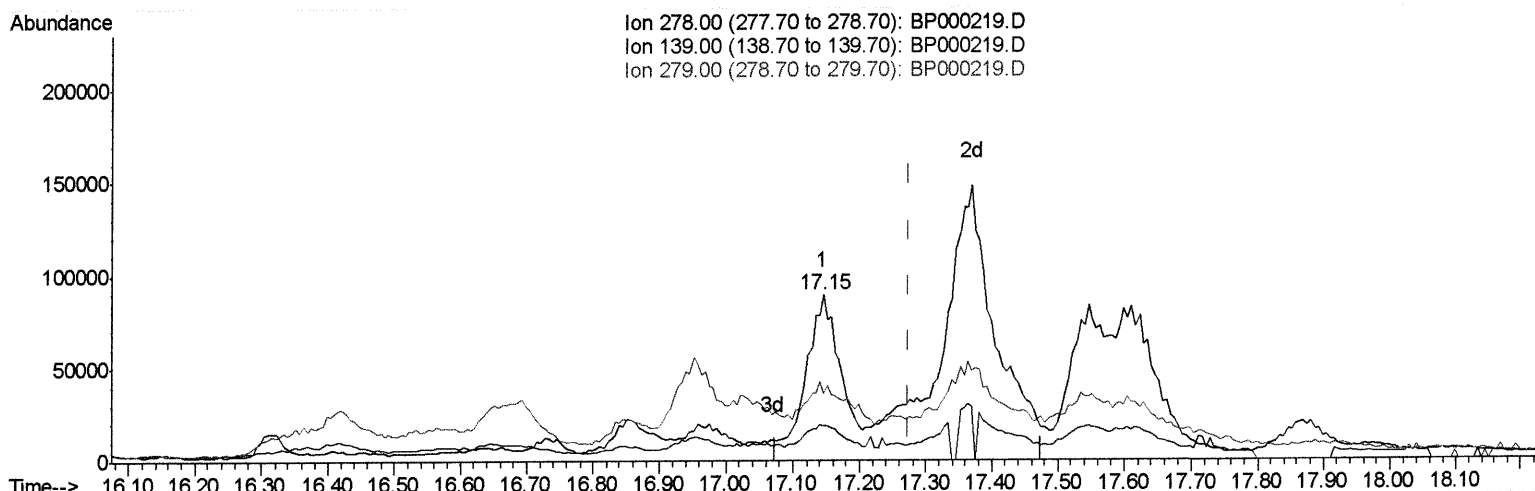
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000219.D
 Acq On : 12 Sep 2019 15:40
 Operator : HP/JU
 Sample : K4634-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D36

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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



(93) Dibenzo(a,h)anthracene

17.145min (-0.129) 4.62ng/ul

response 246585

Ion	Exp%	Act%
278.00	100	100
139.00	18.90	20.93
279.00	24.00	40.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

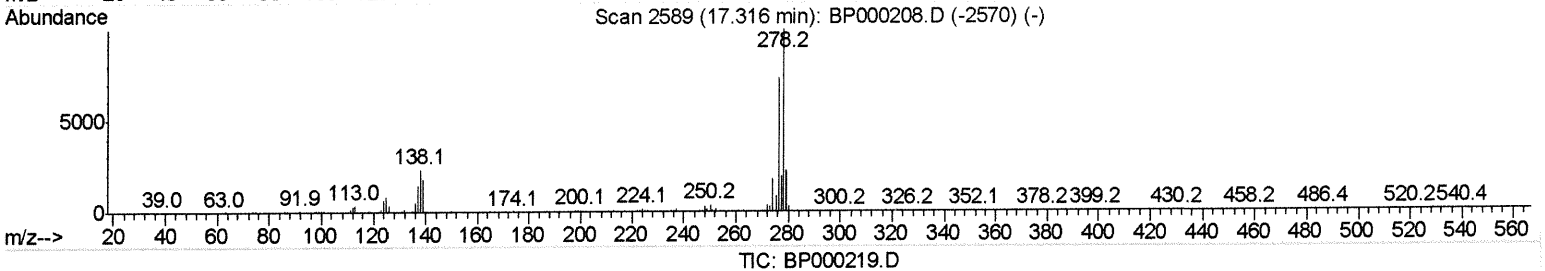
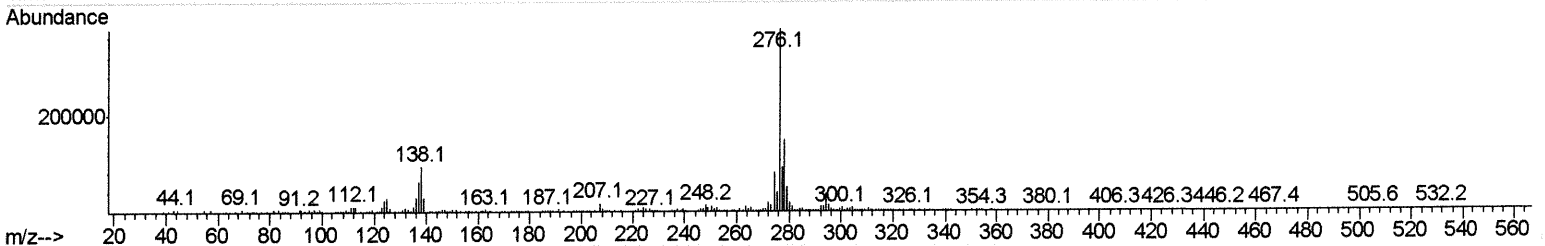
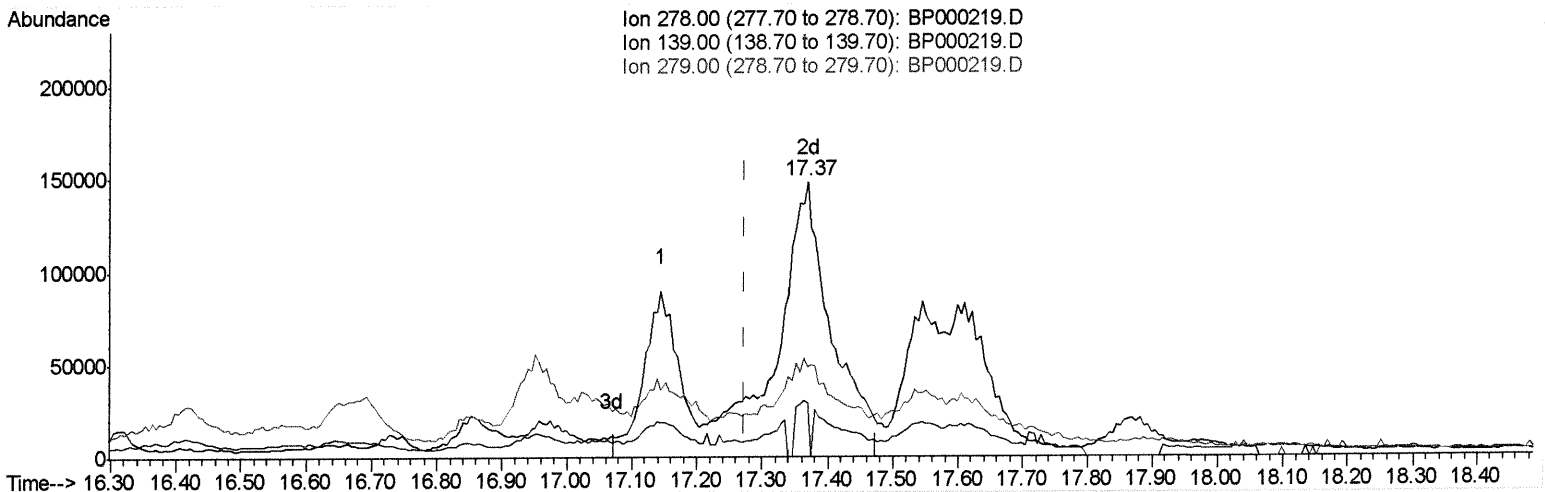
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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



(93) Dibenzo(a,h)anthracene

17.369min (+0.094) 10.76ng/ul m *JU 09/17/19*

response 574707

Ion	Exp%	Act%
278.00	100	100
139.00	18.90	19.74
279.00	24.00	32.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

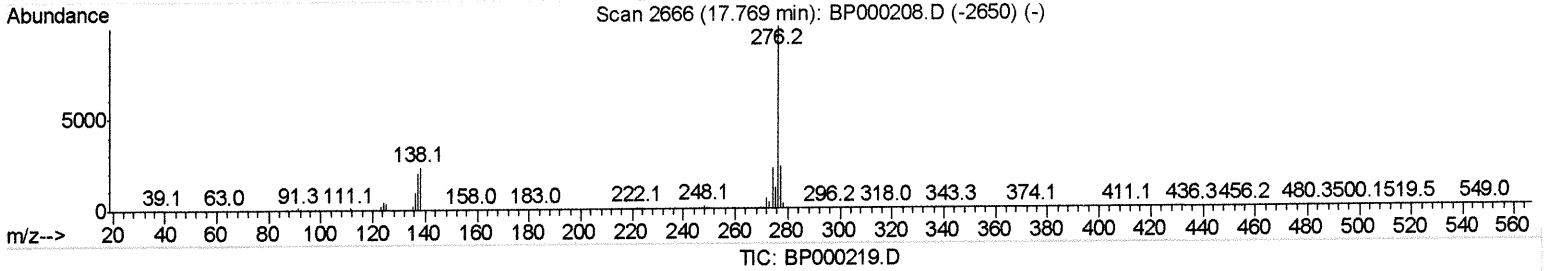
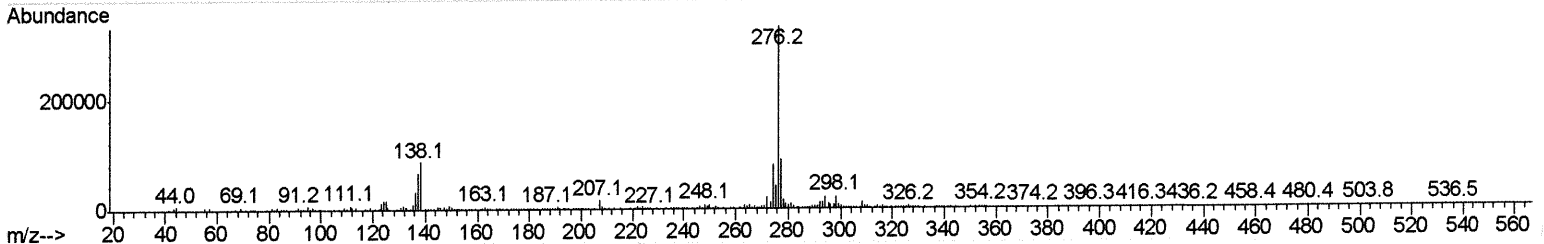
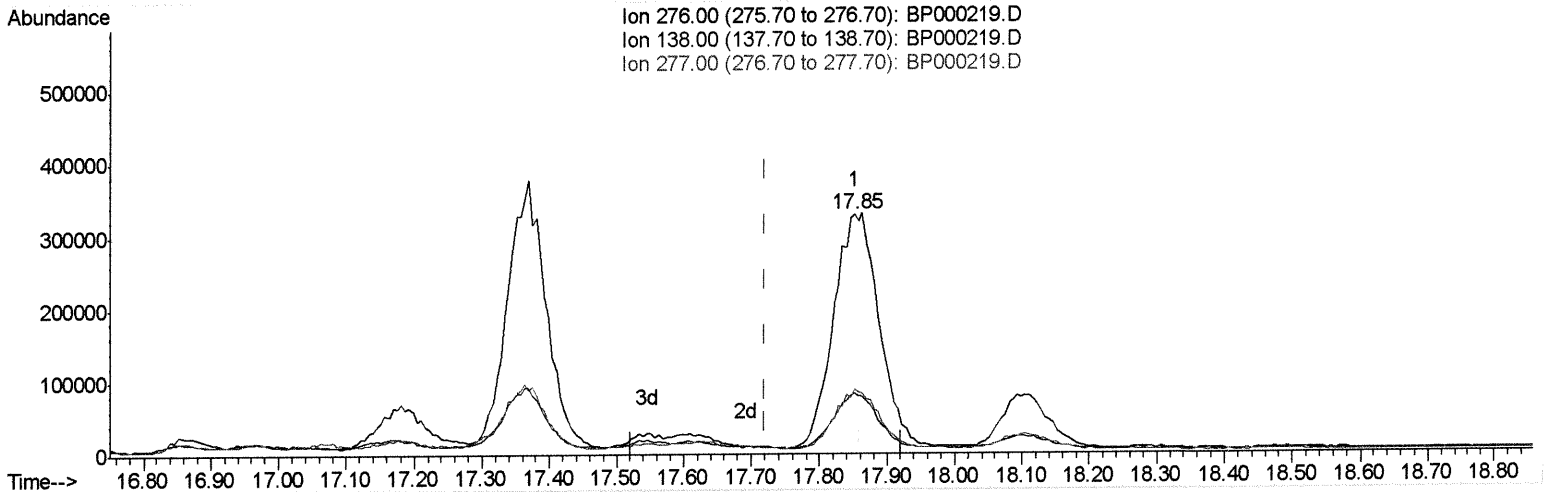
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000219.D
 Acq On : 12 Sep 2019 15:40
 Operator : HP/JU
 Sample : K4634-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D36

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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 (+0.130) 15.91ng/ul

response 855381

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	25.73
277.00	23.90	27.05
0.00	0.00	0.00

Quantitation Report (Qedit)

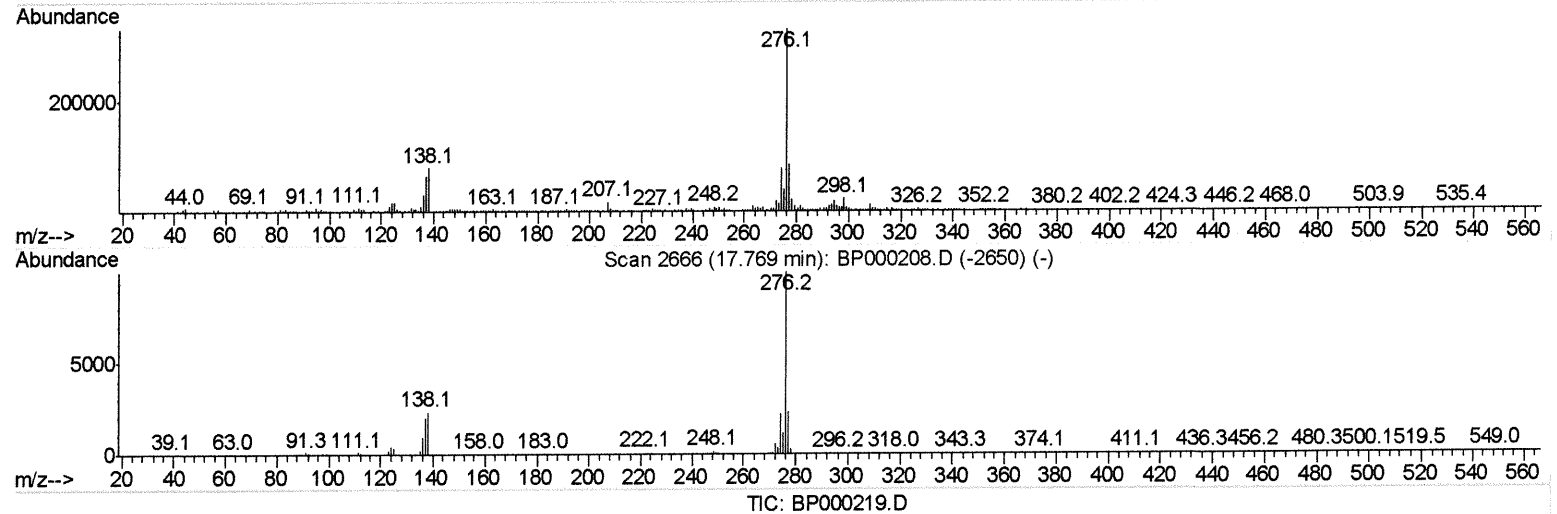
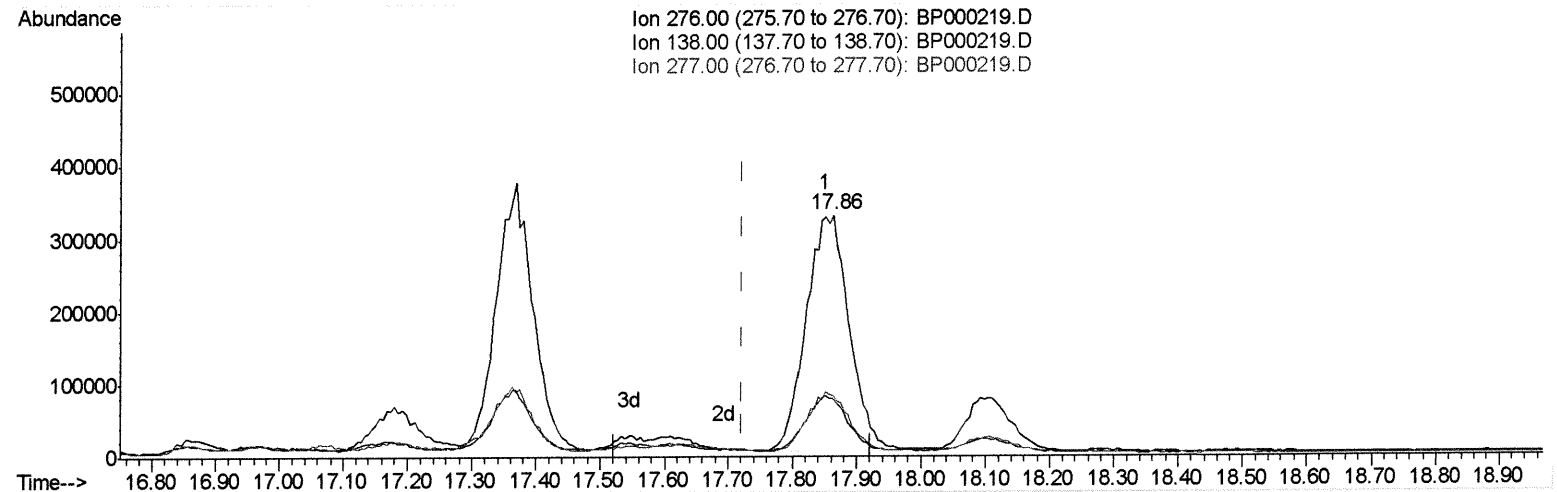
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000219.D
Acq On : 12 Sep 2019 15:40
Operator : HP/JU
Sample : K4634-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D36

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:06:19 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

17.863min (+0.141) 28.19ng/ul m

response 1515768

Ion	Exp%	Act%
276.00	100	100
138.00	25.00	23.77
277.00	23.90	25.40
0.00	0.00	0.00

JU
09/17/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000219.D
 Acq On : 12 Sep 2019 15:40
 Operator : HP/JU
 Sample : K4634-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D36

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:18 AM

Quant Time: Sep 13 05:08:48 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	350940	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1329913	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	711315	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.45	188	1251866	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	879491	20.00	ng/ul	0.02
86) Perylene-d12	15.75	264	901344m →	20.00	ng/ul >	0.06

Ju 09/17/19

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.61	96	27836	2.81	ng/uL	0.00
5) Phenol-d5	6.51	99	501549	16.78	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.57	67	260109	16.64	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	420634	17.40	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	380492	16.94	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	195178	19.33	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	203752	20.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	376509	18.04	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	192015	7.44	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1041205	19.82	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1248862	19.24	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	121274	12.92	ng/ul	0.00
58) Fluorene-d10	10.48	176	841342	18.86	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.54	200	39463	6.86	ng/ul	0.01
71) Anthracene-d10	11.51	188	1151778	19.00	ng/ul	0.00
79) Pyrene-d10	12.91	212	1104387	21.11	ng/ul	0.01
90) Benzo(a)pyrene-d12	15.65	264	905986	19.39	ng/ul	0.06

Target Compounds

					Ovalue
6) Phenol	6.52	94	98261	3.154	ng/ul 97
45) Dimethylphthalate	9.66	163	267864	5.054	ng/ul 99
50) Acenaphthene	9.98	153	212118	4.514	ng/ul 96
70) Phenanthrene	11.48	178	1372800	18.543	ng/ul 99
72) Anthracene	11.53	178	287042	3.940	ng/ul 98
75) Carbazole	11.69	167	189252	3.038	ng/ul 99
77) Fluoranthene	12.70	202	3141457	42.071	ng/ul 96
80) Pyrene	12.93	202	3250934	48.994	ng/ul 93
83) Benzo(a)anthracene	14.16	228	2583470	40.580	ng/ul 98
85) Chrysene	14.20	228	2920461	49.991	ng/ul 98
88) Benzo(b)fluoranthene	15.29	252	3344690m →	55.988	ng/ul >
89) Benzo(k)fluoranthene	15.31	252	753152m →	13.374	ng/ul >
91) Benzo(a)pyrene	15.69	252	2409609m →	42.991	ng/ul >
92) Indeno(1,2,3-cd)pyrene	17.37	276	1457735m →	22.607	ng/ul >
93) Dibenzo(a,h)anthracene	17.37	278	574707m →	10.760	ng/ul >
94) Benzo(g,h,i)perylene	17.86	276	1515768m →	28.194	ng/ul >

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