

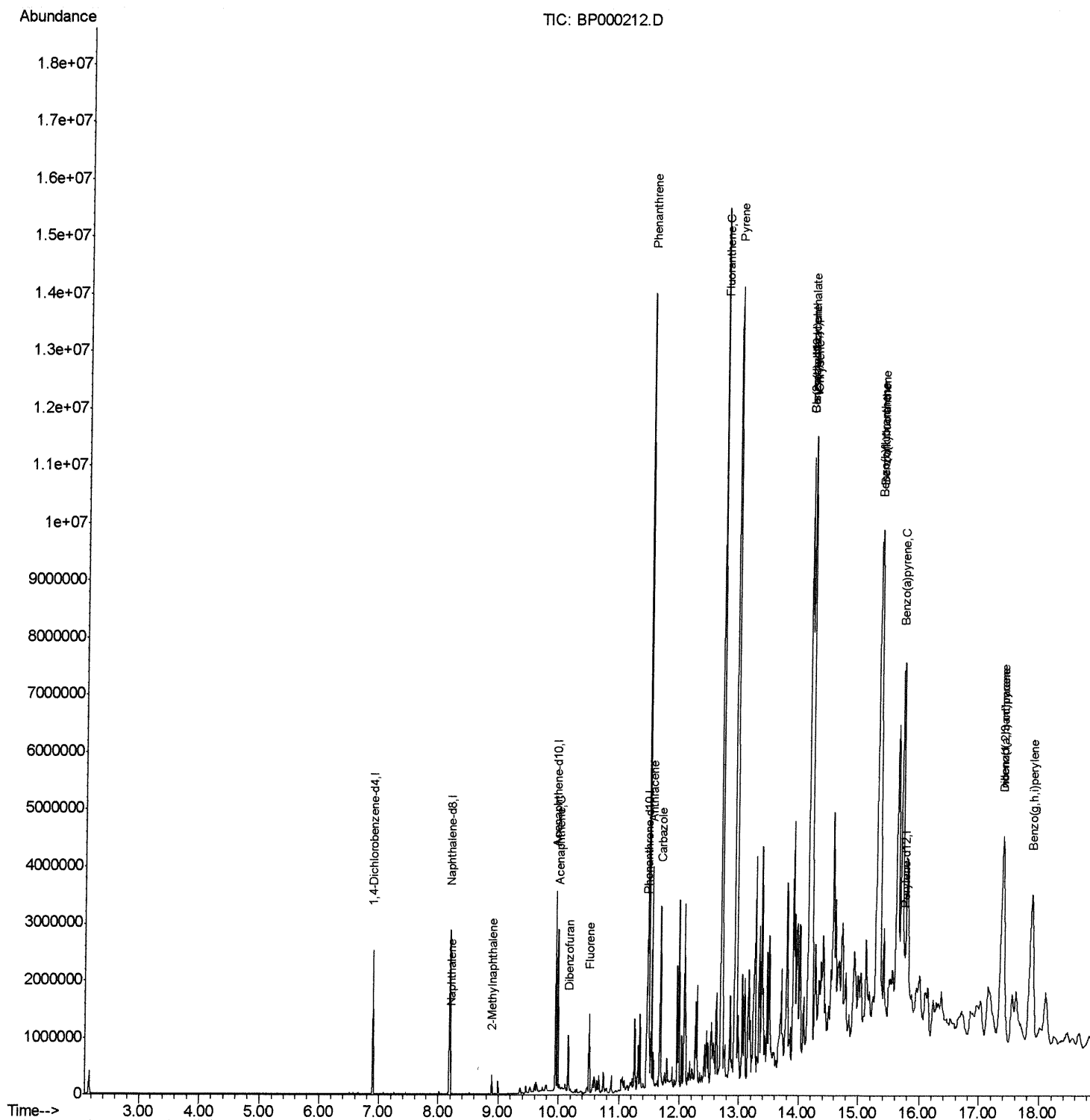
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\  
Data File : BP000212.D  
Acq On    : 12 Sep 2019 12:49  
Operator  : HP/JU  
Sample    : K4634-09 30X  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```

Instrument :
BNA_P
ClientSampleId :
F2D27

Manual Integrations APPROVED

mohammad
9/16/2019 9:08:53 AM

Quant Time: Sep 13 13:10:19 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



Quantitation Report (Qedit)

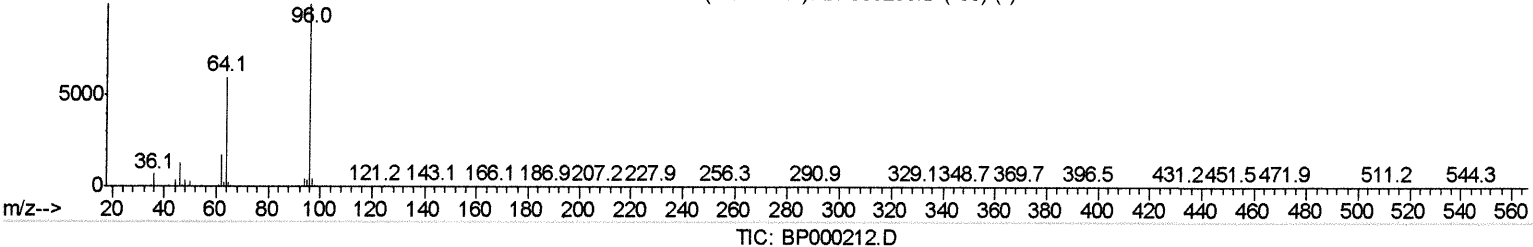
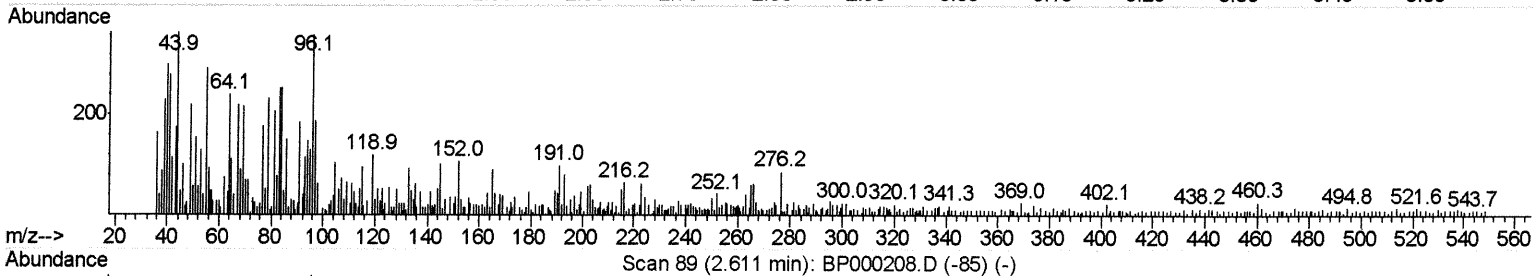
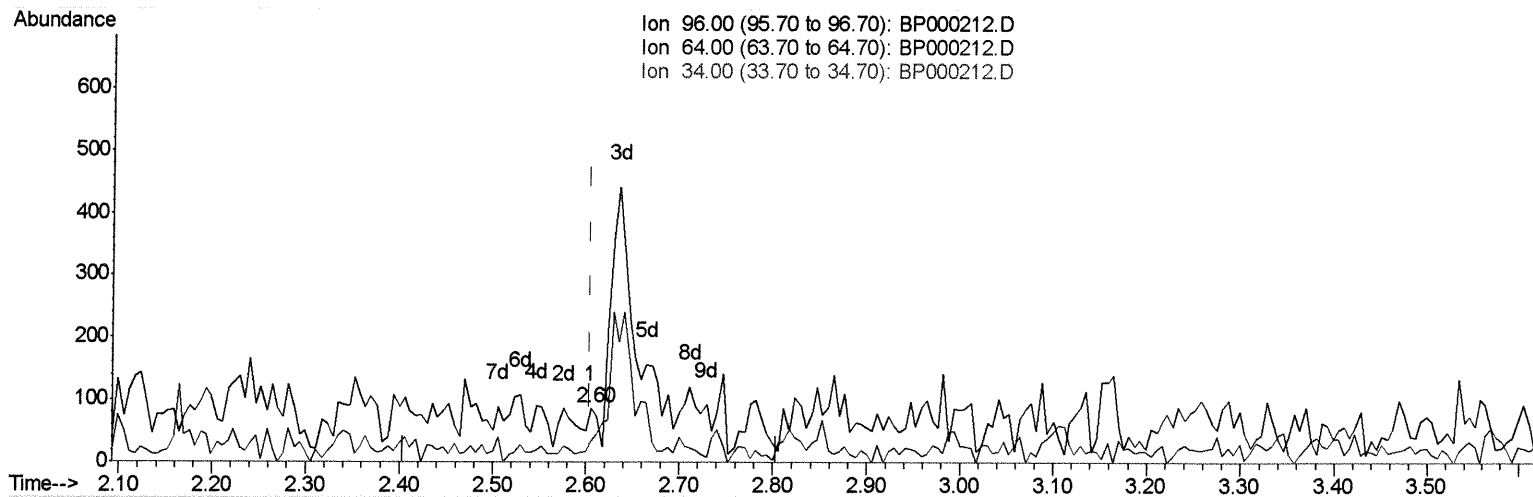
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
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Quant Time: Sep 13 01:46:52 2019
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(3) 1,4-Dioxane-d8 (S)

2.605min (+0.000) 0.00ng/uL

response 40

Ion	Exp%	Act%
96.00	100	100
64.00	62.70	39.08#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

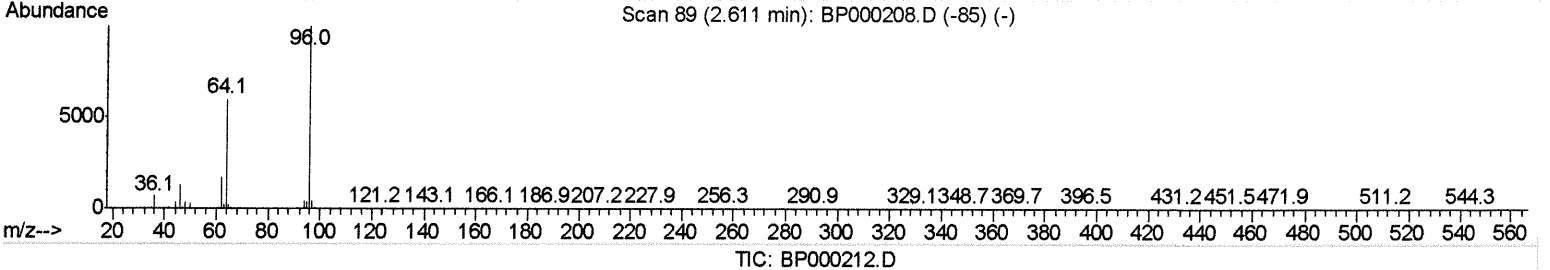
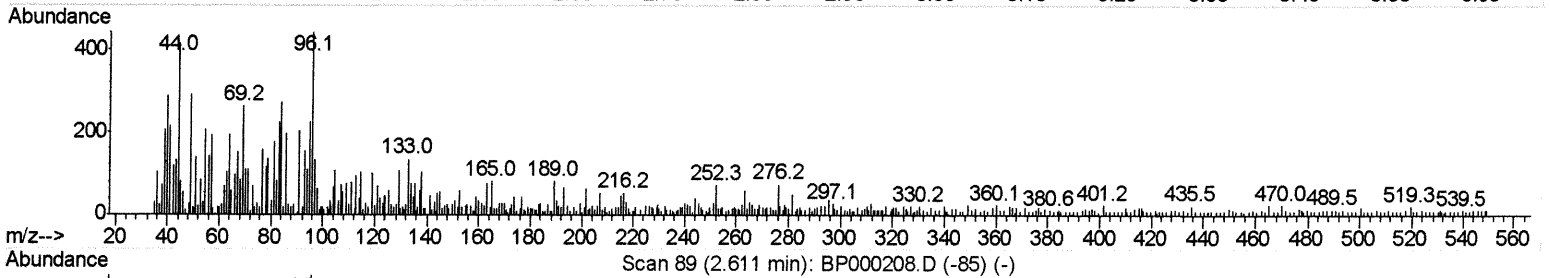
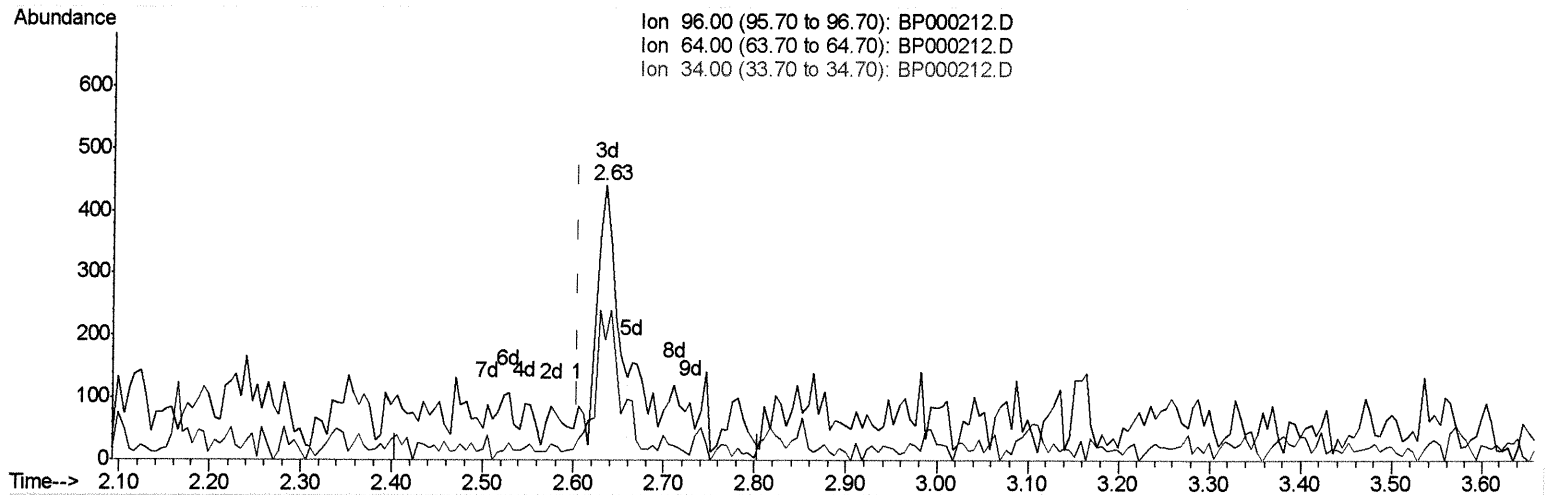
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000212.D
 Acq On : 12 Sep 2019 12:49
 Operator : HP/JU
 Sample : K4634-09 30X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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 Response via : Initial Calibration



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

2.634min (+0.030) 0.06ng/uL m *JU 9/11/19*

response 616

Ion	Exp%	Act%
96.00	100	100
64.00	62.70	43.76#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

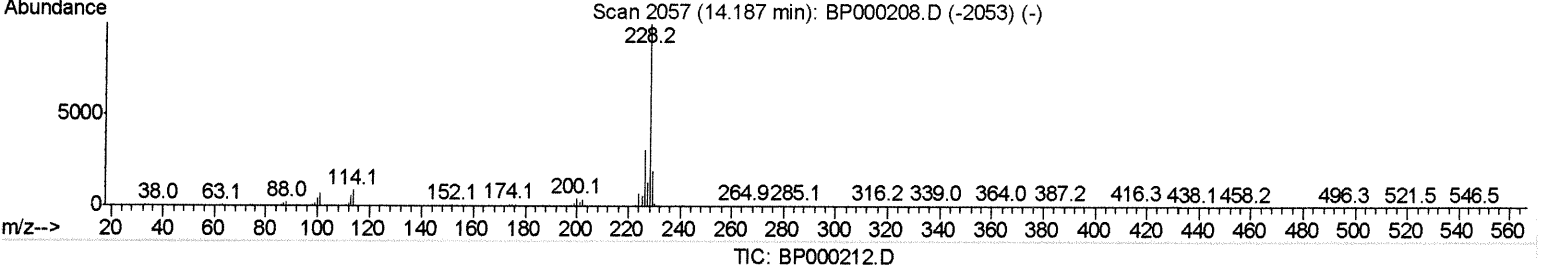
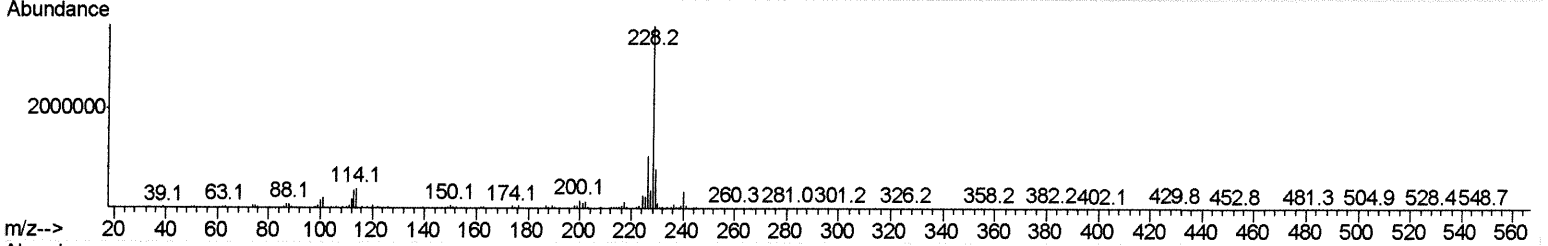
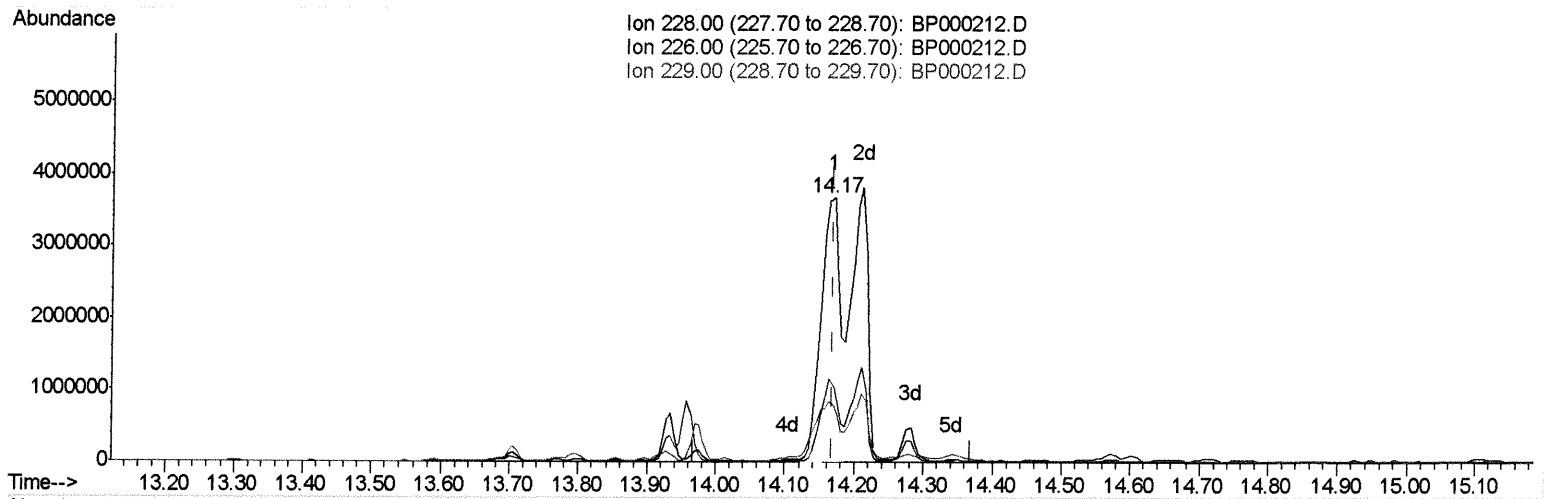
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000212.D
 Acq On : 12 Sep 2019 12:49
 Operator : HP/JU
 Sample : K4634-09 30X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
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Manual Integrations
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(85) Chrysene

14.169min (+0.000) 172.72ng/ul

response 7377654

Ion	Exp%	Act%
228.00	100	100
226.00	30.50	28.48
229.00	20.00	21.47
0.00	0.00	0.00

Quantitation Report (Qedit)

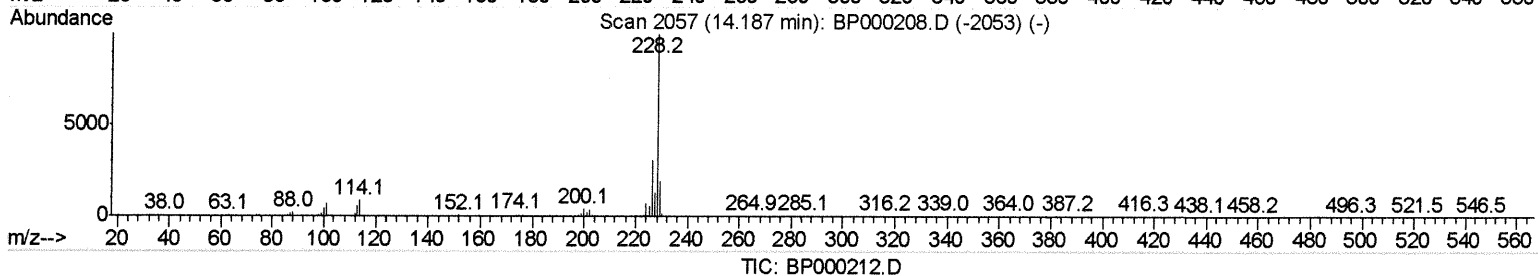
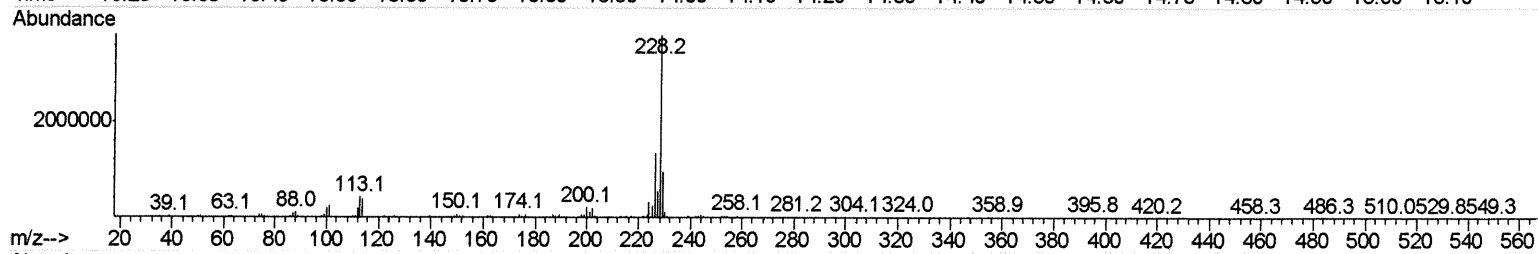
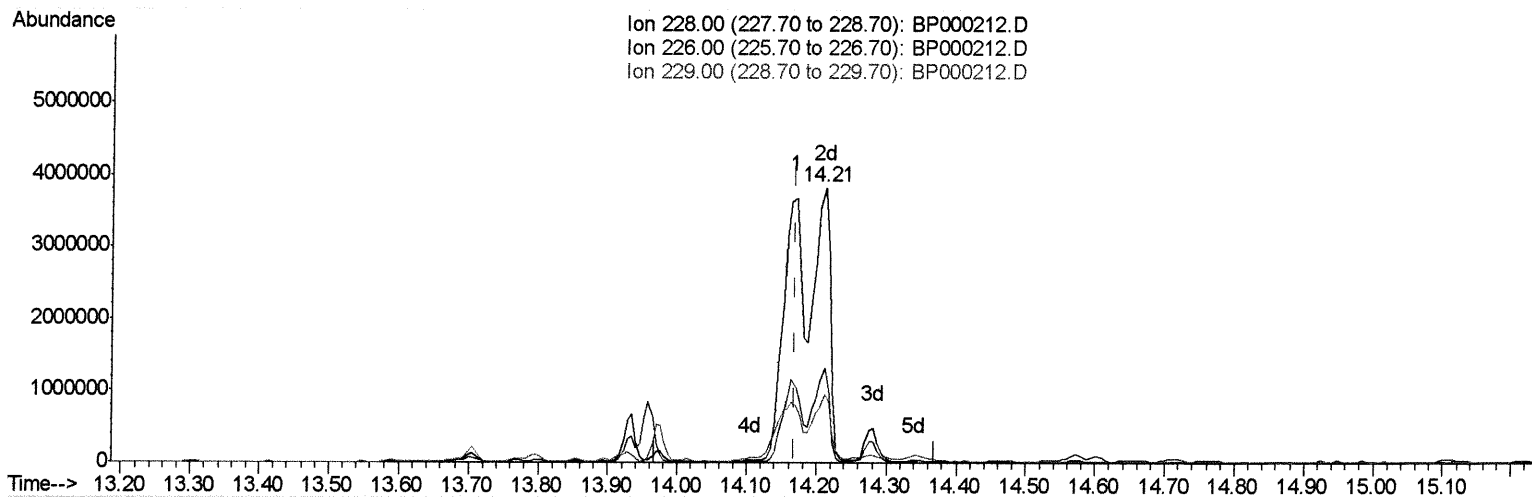
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000212.D
 Acq On : 12 Sep 2019 12:49
 Operator : HP/JU
 Sample : K4634-09 30X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D27

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:08:53 AM

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 Response via : Initial Calibration



(85) Chrysene

14.210min (+0.041) 134.81ng/ul m *JU 09/16/19*

response 5758350

Ion	Exp%	Act%
228.00	100	100
226.00	30.50	34.72
229.00	20.00	24.89#
0.00	0.00	0.00

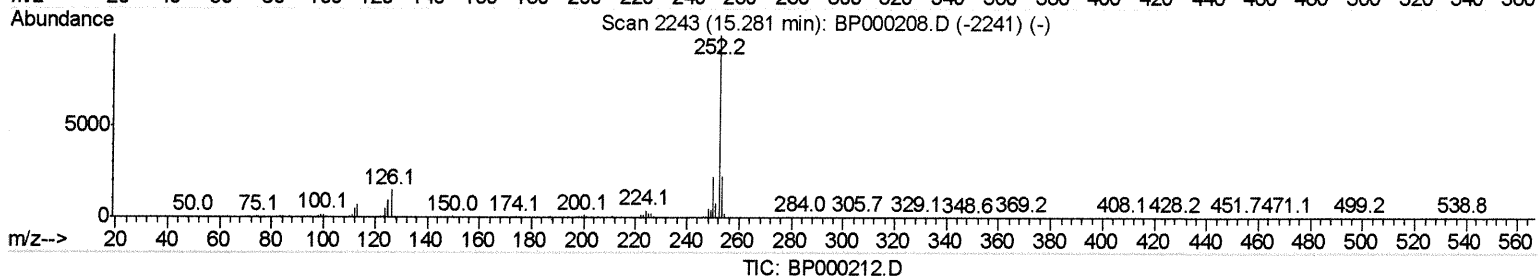
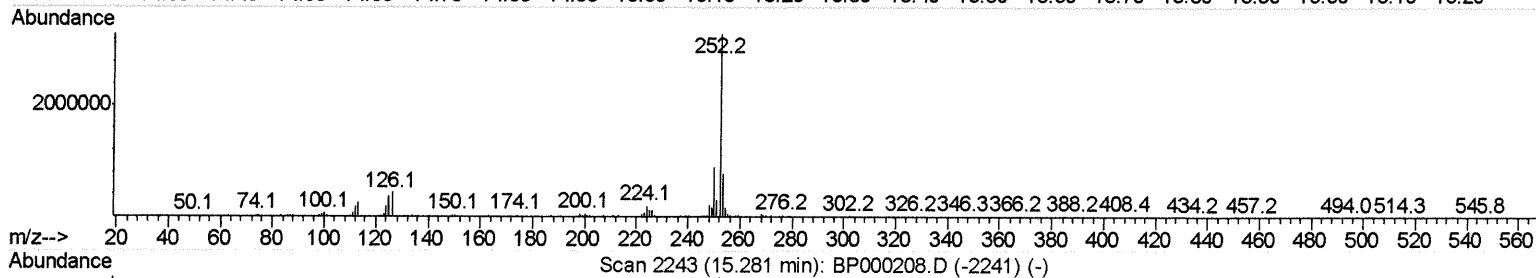
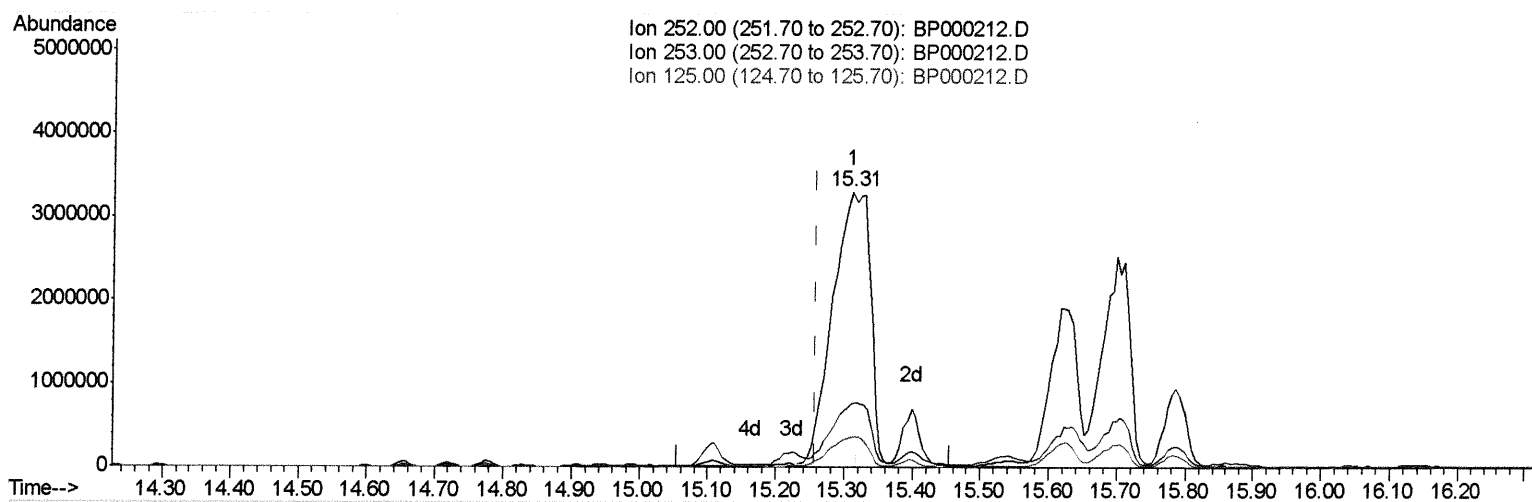
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D27

Manual Integrations
APPROVED

mohammad
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Quant Time: Sep 13 01:46:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
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Response via : Initial Calibration



(89) Benzo(k)fluoranthene

15.310min (+0.053) 164.65ng/ul

response 8252965

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.22
125.00	12.70	10.92
0.00	0.00	0.00

Quantitation Report (Qedit)

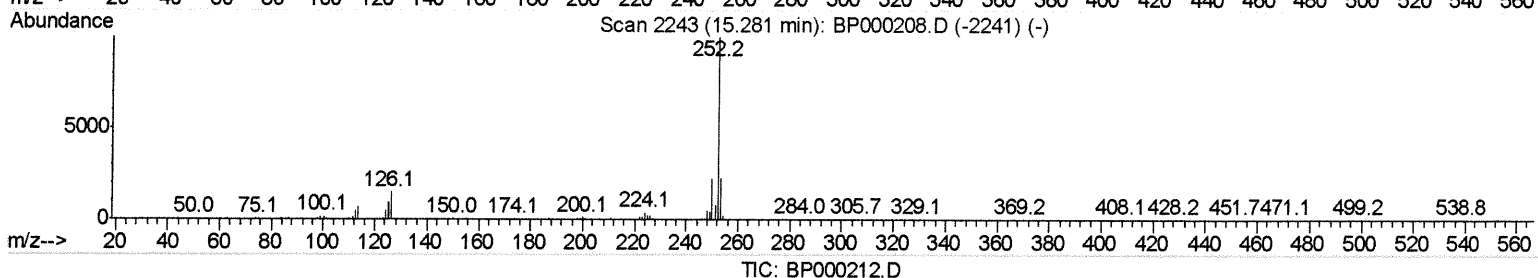
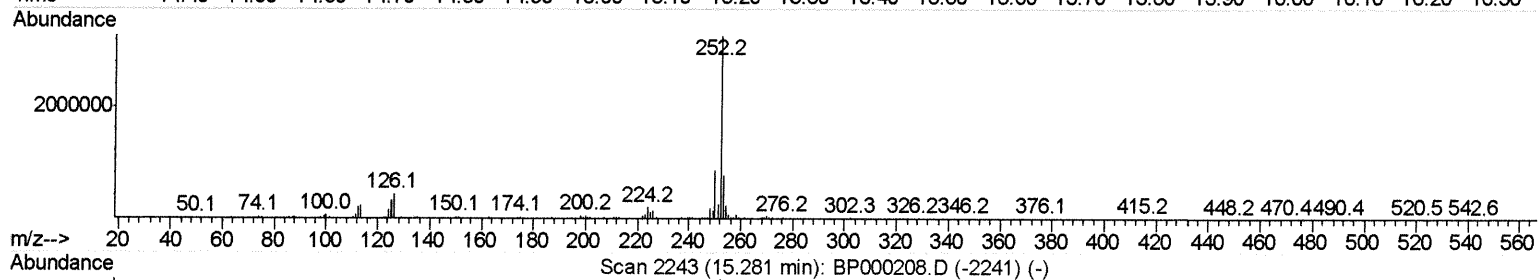
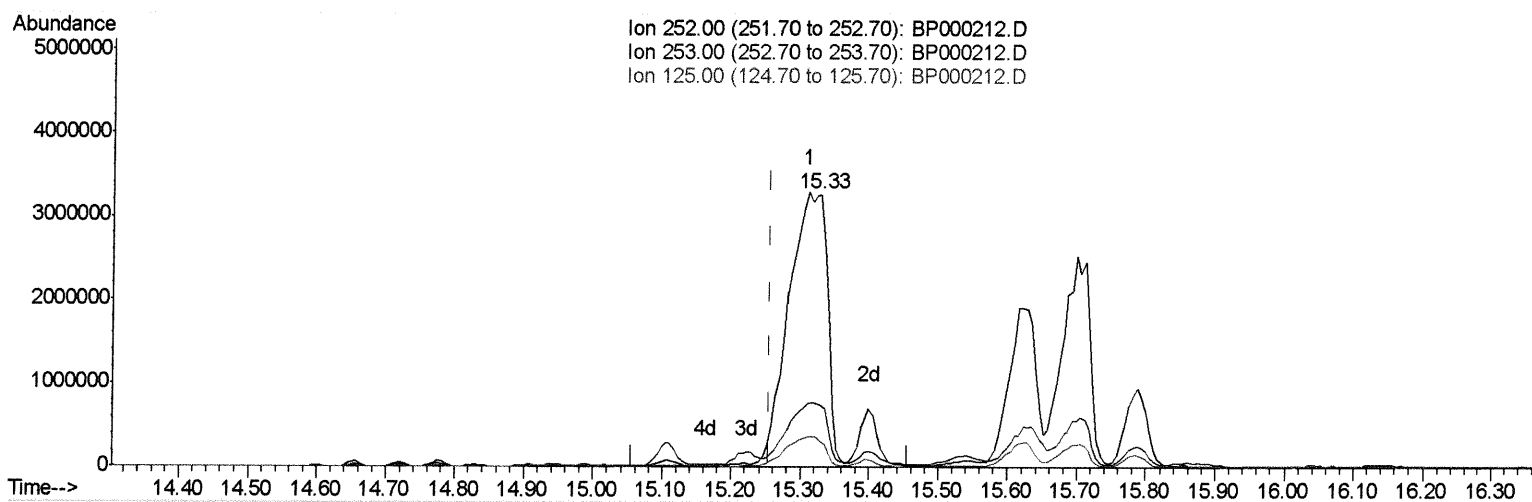
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D27

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:53 AM

Quant Time: Sep 13 01:46:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
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(89) Benzo(k)fluoranthene

15.328min (+0.071) 80.13ng/ul m

JU
09/17/19

response 4016621

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.04
125.00	12.70	9.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

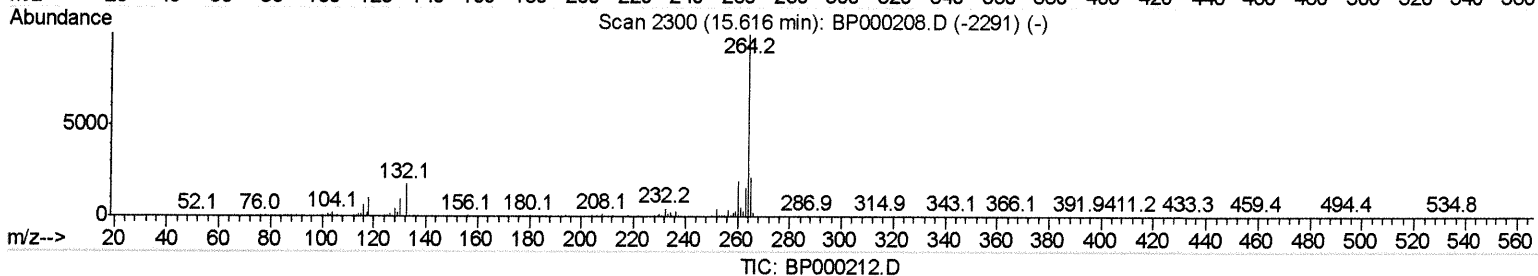
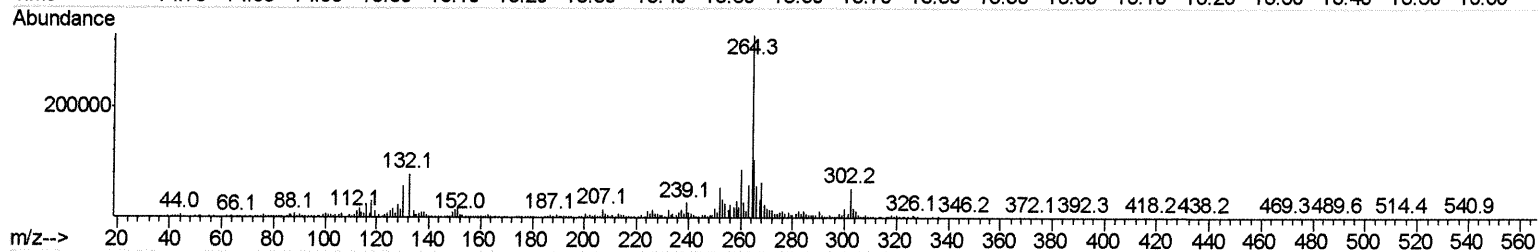
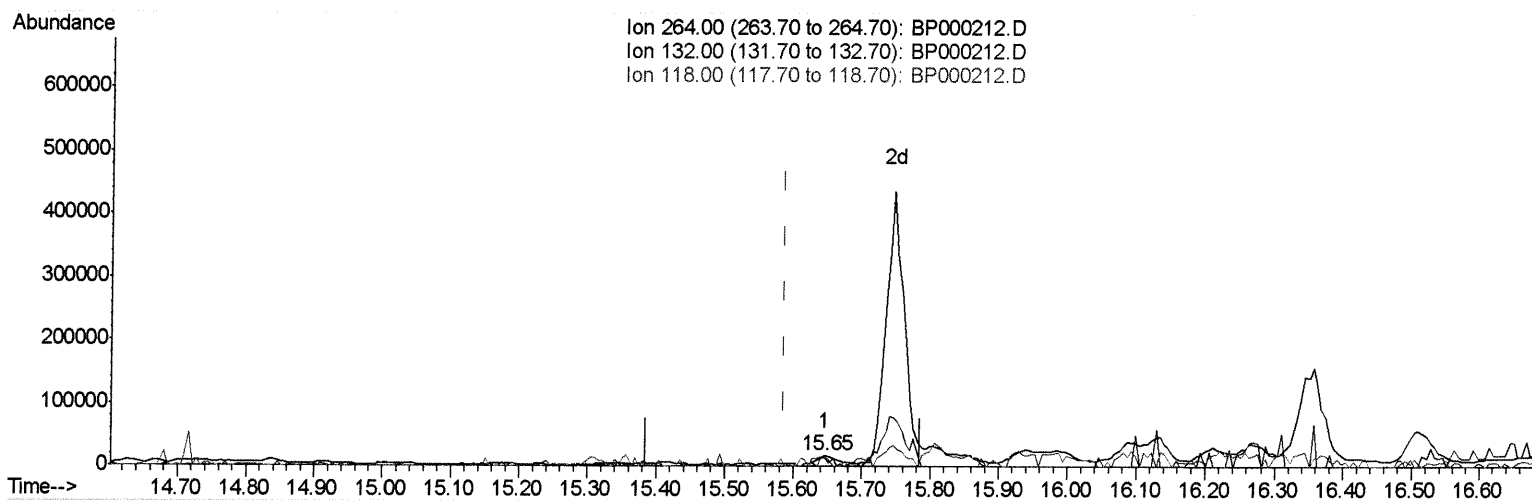
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D27

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:53 AM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
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Response via : Initial Calibration



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

15.645min (+0.059) 0.61ng/ul

response 25175

Ion	Exp%	Act%
264.00	100	100
132.00	18.00	84.38#
118.00	10.80	91.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

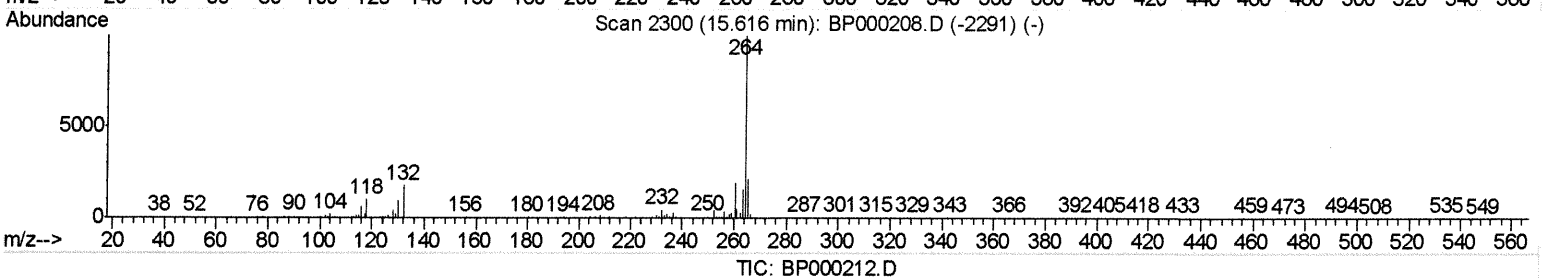
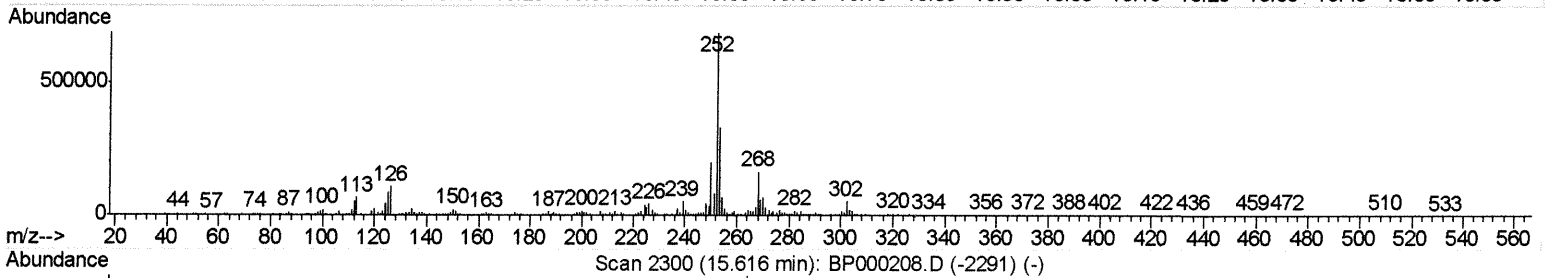
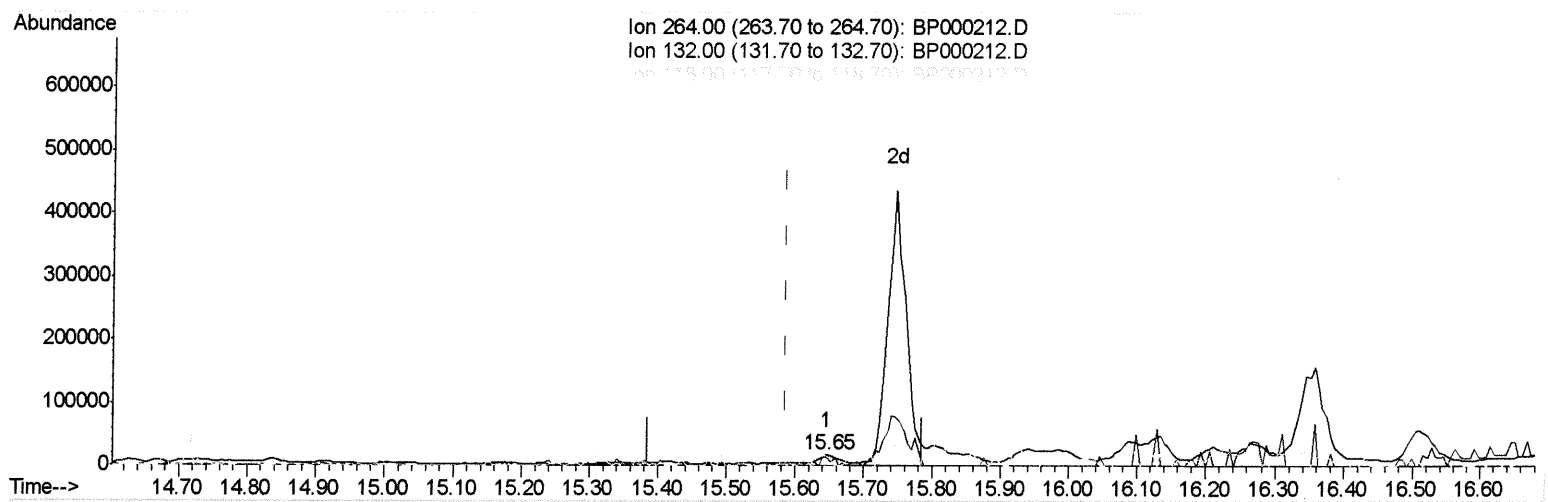
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000212.D
Acq On : 12 Sep 2019 12:49
Operator : HP/JU
Sample : K4634-09 30X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D27

Manual Integrations
APPROVED

mohammad
9/16/2019 9:08:53 AM

Quant Time: Sep 13 04:07:54 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)

15.645min (+0.059) 0.97ng/ul m *JU 09/17/19*

response 40301

Ion	Exp%	Act%
264.00	100	100
132.00	18.00	44.21#
118.00	10.80	91.34#
0.00	0.00	0.00

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 Acq On : 12 Sep 2019 12:49
 Operator : HP/JU
 Sample : K4634-09 30X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	342739	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1304351	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	667012	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1105466	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	643051	20.00	ng/ul	0.03
86) Perylene-d12	15.75	264	802299	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.63	96	616m →	0.06	ng/uL →	0.03	JU 09/17/19
5) Phenol-d5	6.50	99	11569	0.40	ng/ul	0.00	
7) Bis-(2-Chloroethyl) ether-d	6.57	67	7671	0.50	ng/ul	0.00	
9) 2-Chlorophenol-d4	6.66	132	11086	0.47	ng/ul	0.00	
13) 4-Methylphenol-d8	7.26	113	9029	0.41	ng/ul	0.00	
19) Nitrobenzene-d5	7.45	128	4594	0.46	ng/ul	0.00	
22) 2-Nitrophenol-d4	7.78	143	4514	0.47	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	8.02	165	7879	0.38	ng/ul	0.00	
29) 4-Chloroaniline-d4	8.23	131	5140	0.20	ng/ul	0.00	
44) Dimethylphthalate-d6	9.63	166	27051	0.55	ng/ul	0.00	
47) Acenaphthylene-d8	9.79	160	34063	0.56	ng/ul	0.00	
52) 4-Nitrophenol-d4	10.04	143	2609	0.30	ng/ul	0.00	
58) Fluorene-d10	10.47	176	22948	0.55	ng/ul	0.00	
63) 4,6-Dinitro-2-methylphenol	10.54	200	482	0.09	ng/ul	0.01	
71) Anthracene-d10	11.51	188	33057	0.62	ng/ul	0.00	
79) Pyrene-d10	12.91	212	26806	0.70	ng/ul	0.01	
90) Benzo(a)pyrene-d12	15.65	264	40301m →	0.97	ng/ul >	0.06	JU 09/17/19

Target Compounds

					Qvalue	
28) Naphthalene	8.20	128	276930	3.898	ng/ul	99
34) 2-Methylnaphthalene	8.89	142	84771	1.747	ng/ul	93
50) Acenaphthene	9.98	153	622689	14.132	ng/ul	99
54) Dibenzofuran	10.15	168	332954	5.508	ng/ul	100
59) Fluorene	10.50	166	350396	7.493	ng/ul	98
70) Phenanthrene	11.49	178	6130392	93.774	ng/ul	94
72) Anthracene	11.53	178	1475510	22.937	ng/ul	99
75) Carbazole	11.69	167	1247028	22.673	ng/ul	97
77) Fluoranthene	12.71	202	10014198	151.874	ng/ul	97
80) Pyrene	12.95	202	9092743	187.419	ng/ul#	93
83) Benzo(a)anthracene	14.17	228	7362702	158.172	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	14.16	149	34507	1.305	ng/ul#	70
85) Chrysene	14.21	228	5758350m →	134.810	ng/ul >	JU 09/17/19
88) Benzo(b)fluoranthene	15.31	252	8252965	155.205	ng/ul	97
89) Benzo(k)fluoranthene	15.33	252	4016621m →	80.133	ng/ul >	JU 09/17/19
91) Benzo(a)pyrene	15.70	252	6846009	137.220	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	17.37	276	4776875	83.226	ng/ul	96
93) Dibenzo(a,h)anthracene	17.39	278	1211929	25.493	ng/ul	94
94) Benzo(g,h,i)perylene	17.86	276	4214464	88.067	ng/ul	97

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