

(QT Reviewed)

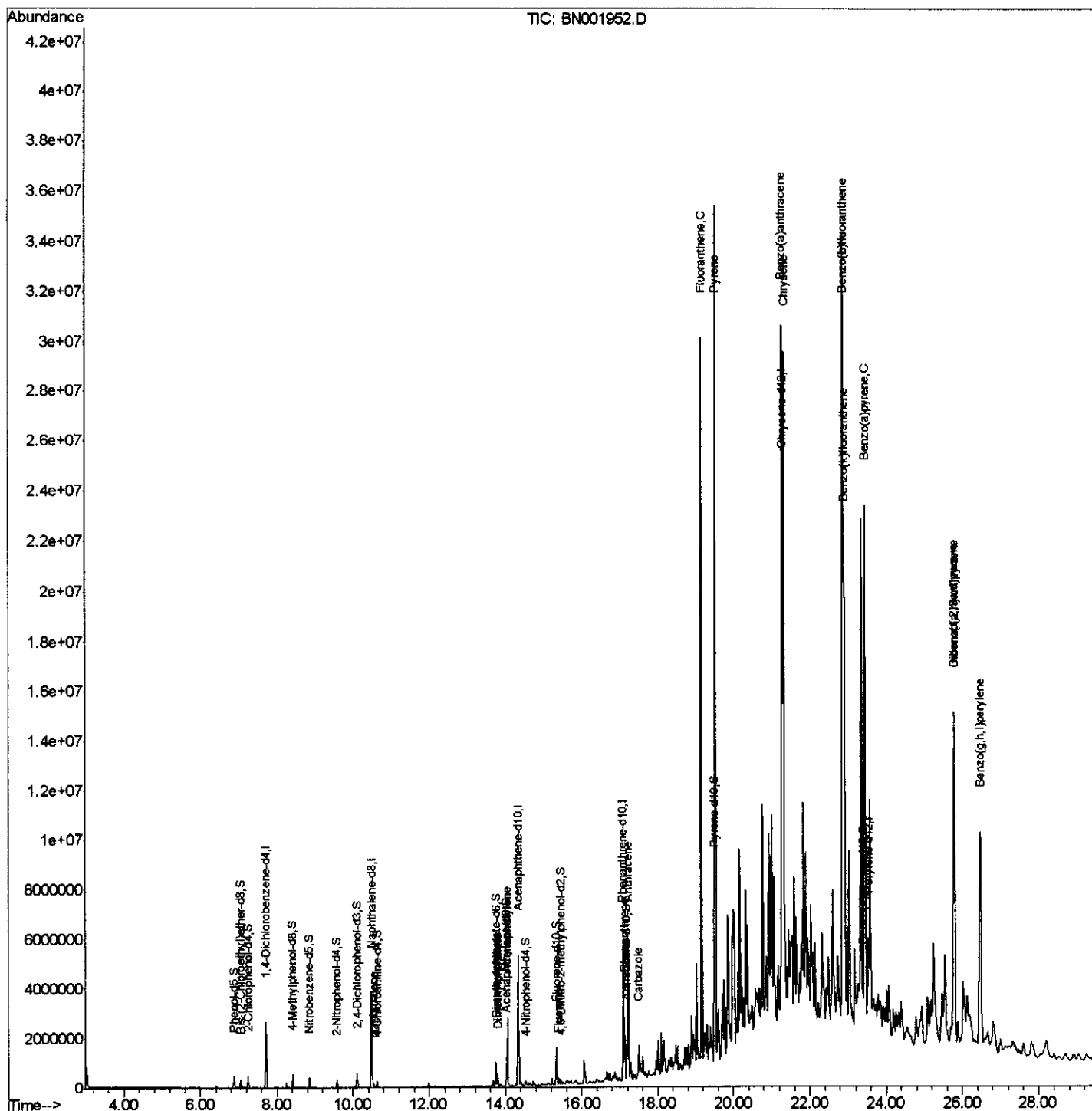
```
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070318\  
Data File : BN001952.D  
Acq On    : 03 Jul 2018 20:14  
Operator  : JU/SJ  
Sample    : J3721-14 5X  
Misc      :  
ALS Vial  : 18 Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
F1H00

Manual Integrations
APPROVED

Sohil
7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:20:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

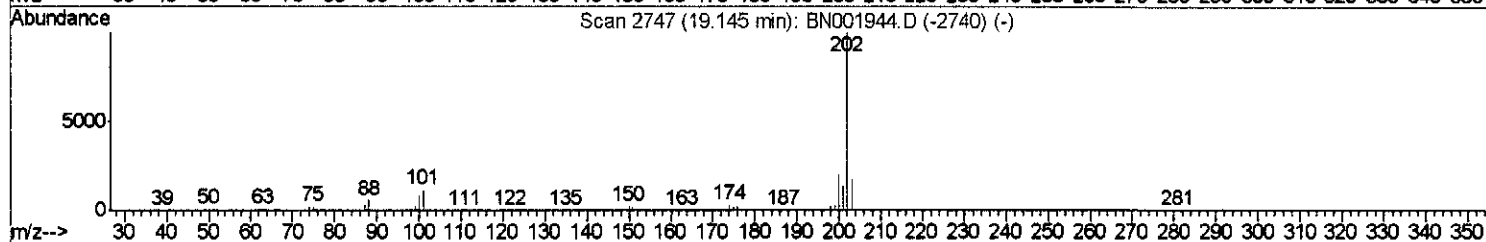
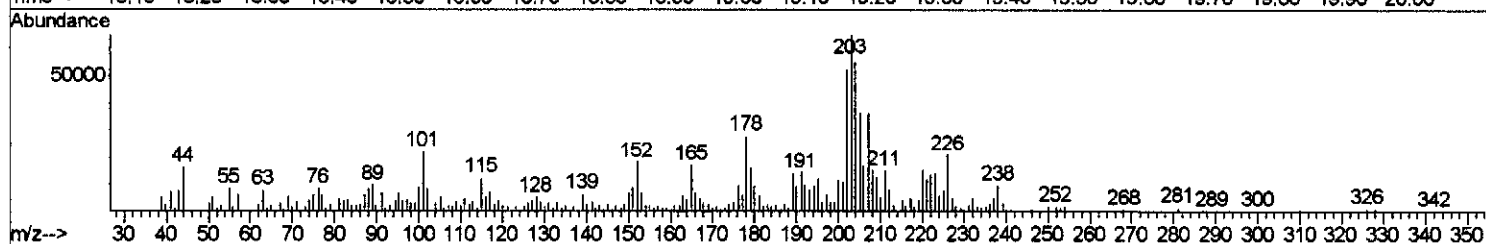
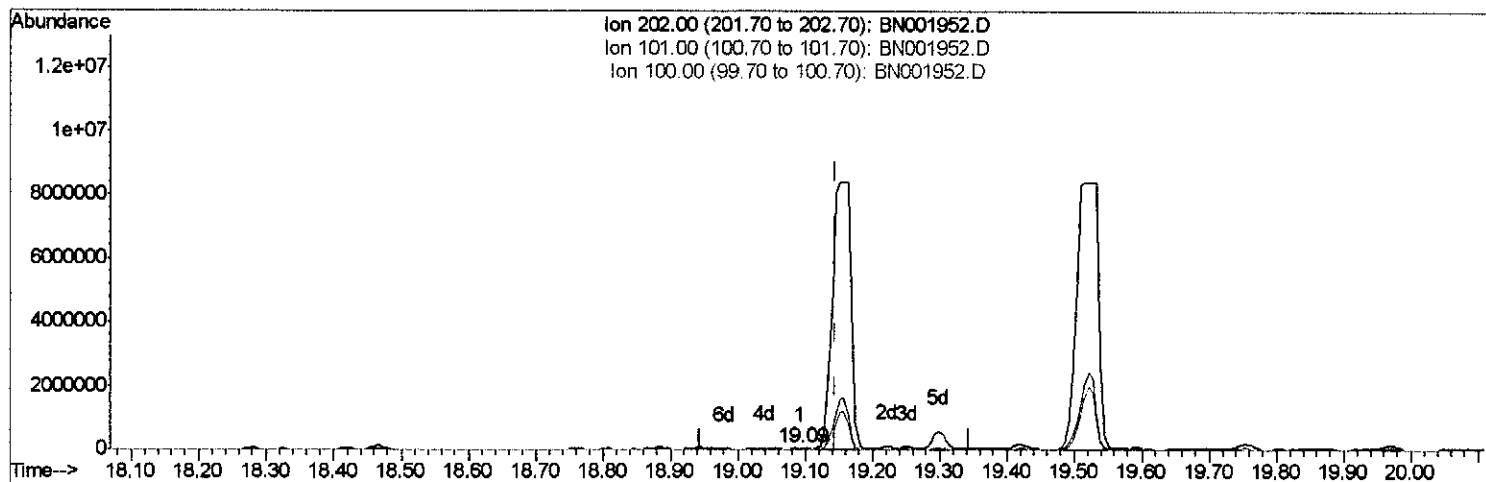
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001952.D
Acq On : 03 Jul 2018 20:14
Operator : JU/SJ
Sample : J3721-14 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F1H00

Manual Integrations
APPROVED

Sohil
7/5/2018 4:31:16 PM

Quant Time: Jul 04 01:04:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration



TIC: BN001952.D

(74) Fluoranthene (C)

19.092min (-0.053) 0.27ng/ul

response 51494

Ion	Exp%	Act%
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202.00	100	100
--------	-----	-----

101.00	7.60	42.50#
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100.00	5.80	17.58#
--------	------	--------

0.00	0.00	0.00
------	------	------

Quantitation Report (Qedit)

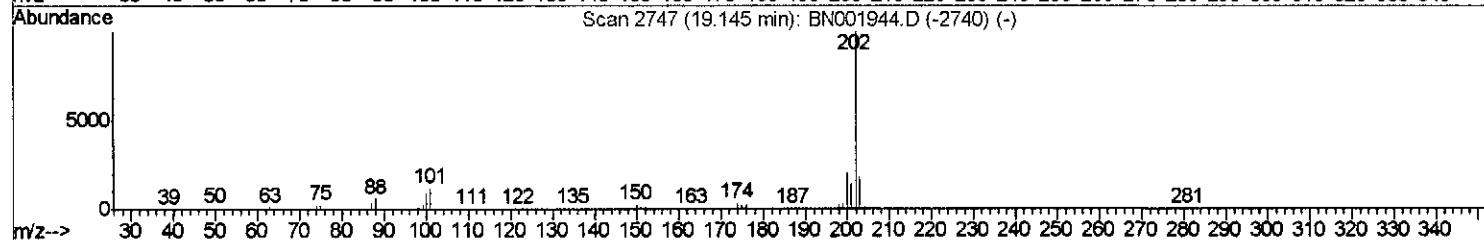
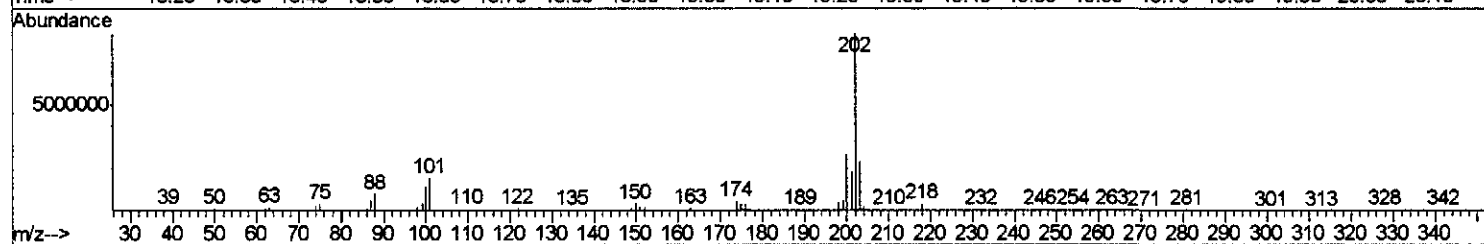
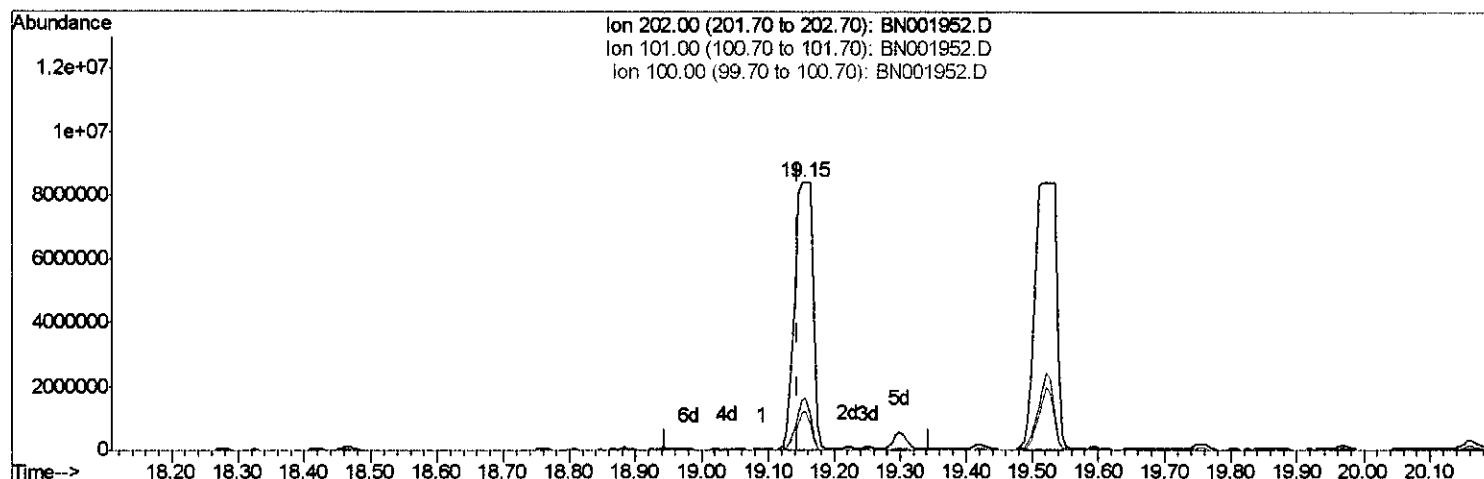
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
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Manual Integrations
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TIC: BN001952.D

(74) Fluoranthene (C)

19.151min (+0.006) 84.76ng/ul m) 50 215/18

response 16144562

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	18.43#
100.00	5.80	13.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

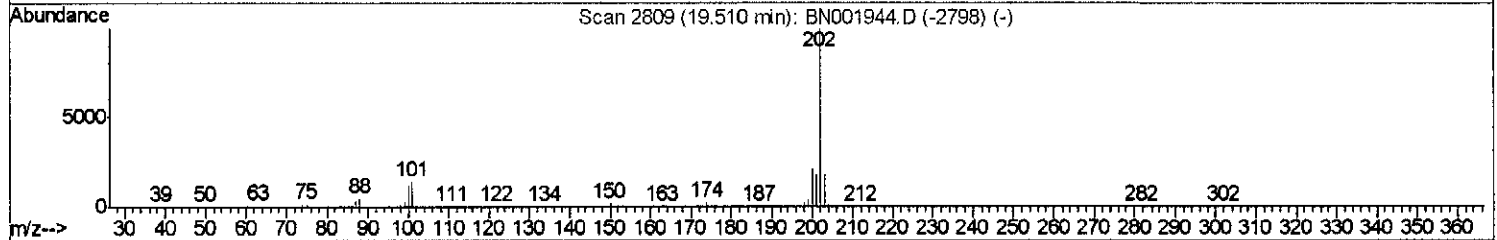
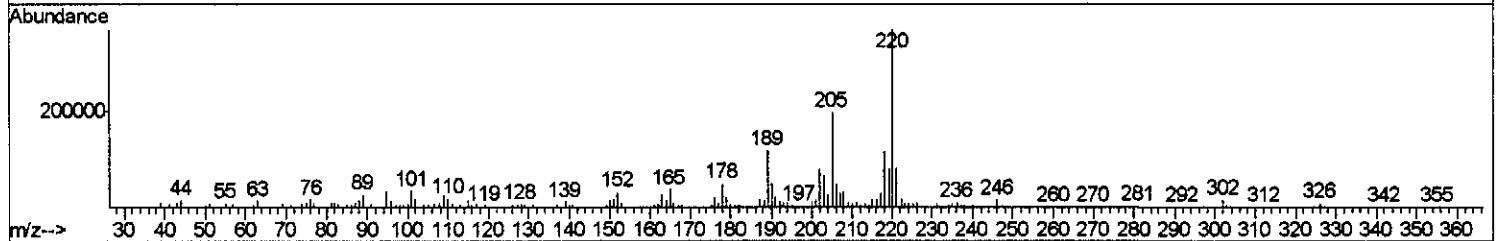
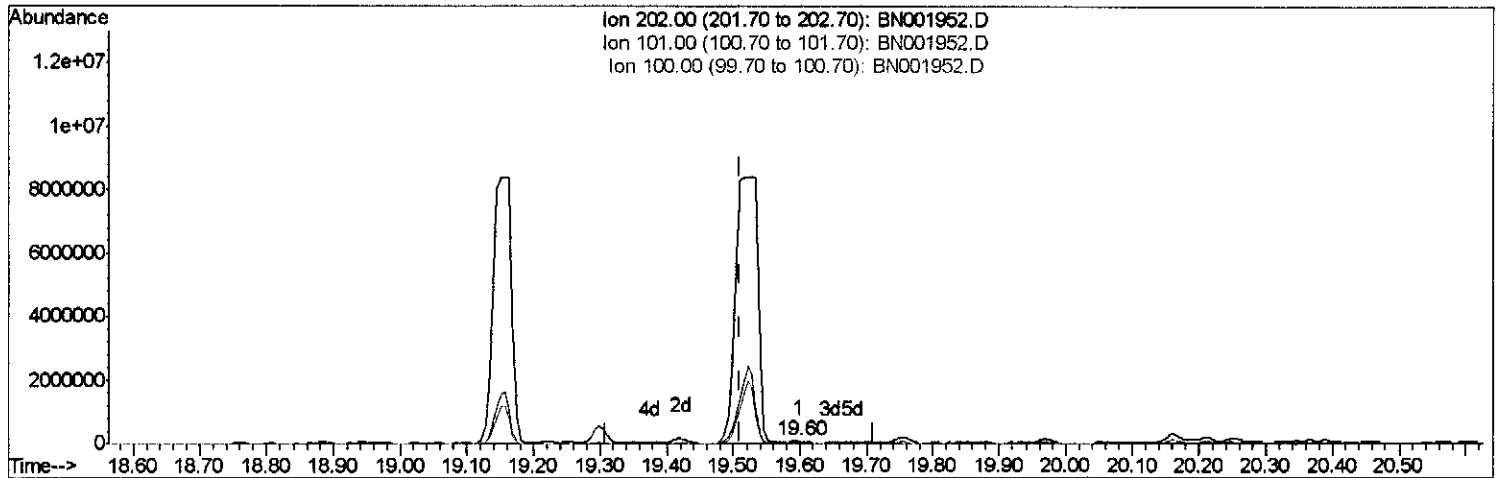
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
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Instrument :
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 ClientSampled :
 F1H00

Manual Integrations
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TIC: BN001952.D

(77) Pyrene

19.598min (+0.088) 0.95ng/ul

response 114739

Ion	Exp%	Act%
202.00	100	100
101.00	8.60	43.93#
100.00	7.00	9.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

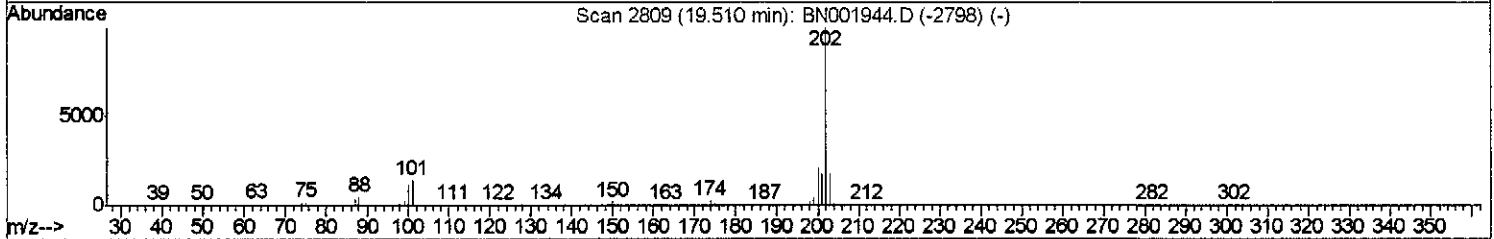
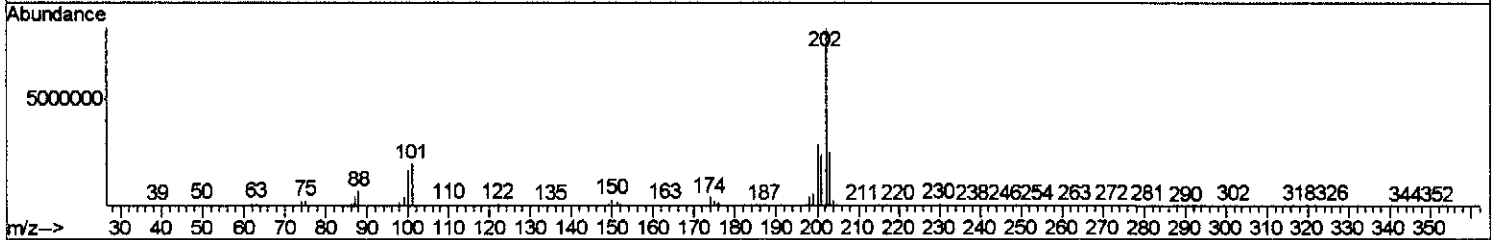
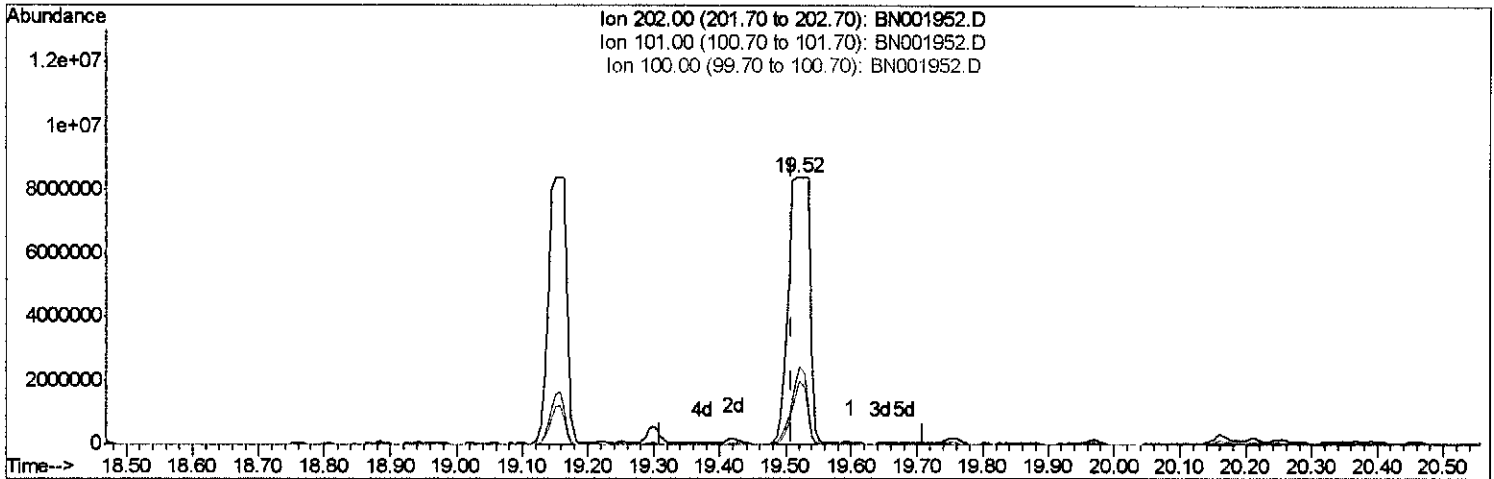
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
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TIC: BN001952.D

(77) Pyrene

19.516min (+0.006) 157.79ng/ul m) 7/5/18

response 19054670

Ion	Exp%	Act%
202.00	100	100
101.00	8.60	23.90#
100.00	7.00	19.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

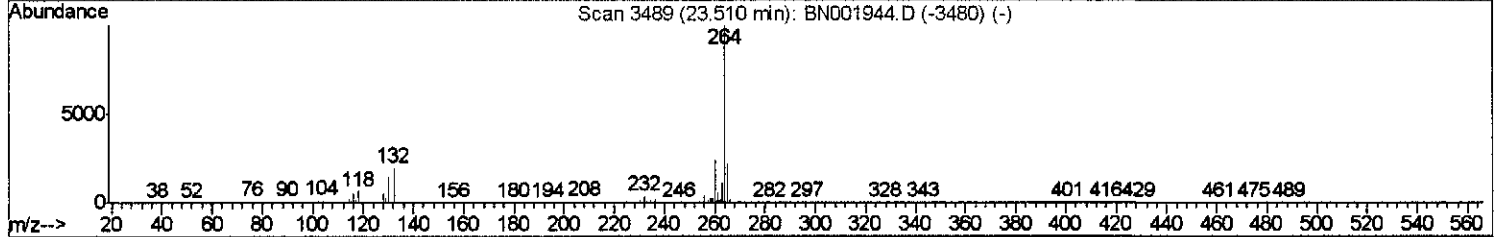
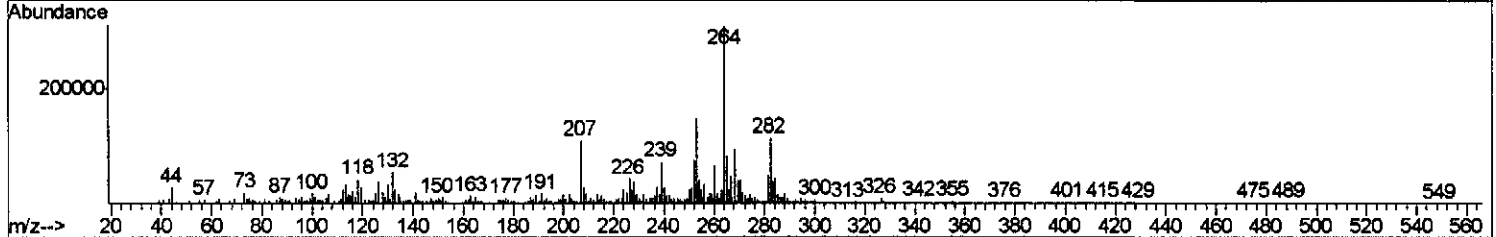
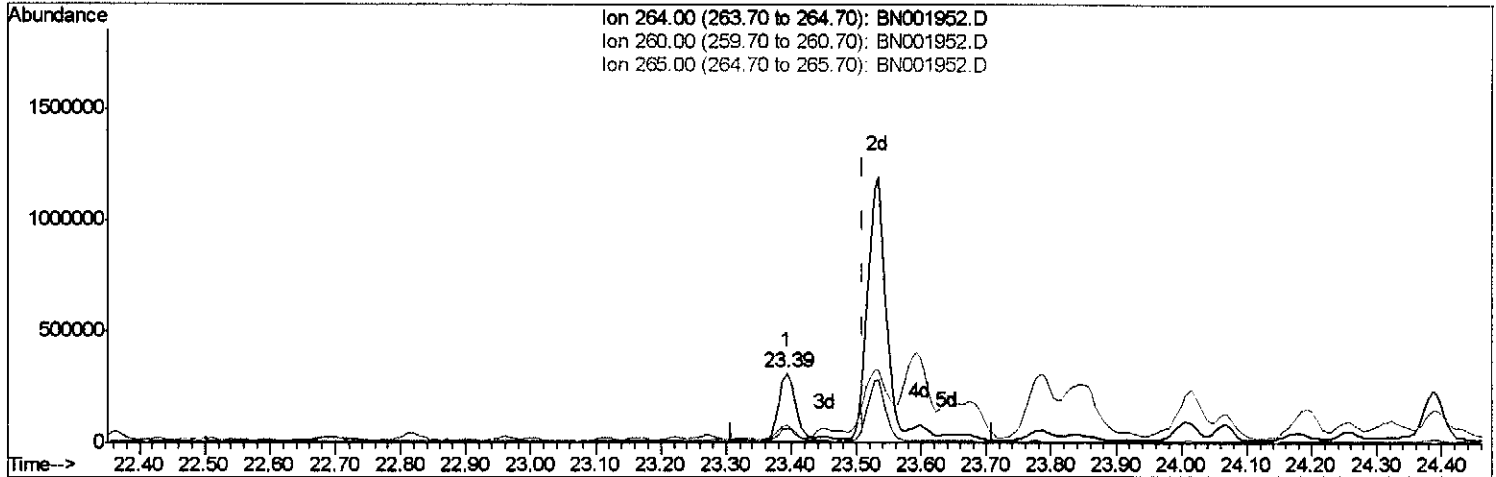
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 Misc :
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Instrument :
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 ClientSampled :
 F1H00

Manual Integrations
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TIC: BN001952.D

(83) Perylene-d12 (I)

23.392min (-0.118) 20.00ng/ul

response 548375

Ion	Exp%	Act%
264.00	100	100
260.00	24.30	21.07
265.00	22.40	26.55
0.00	0.00	0.00

Quantitation Report (Qedit)

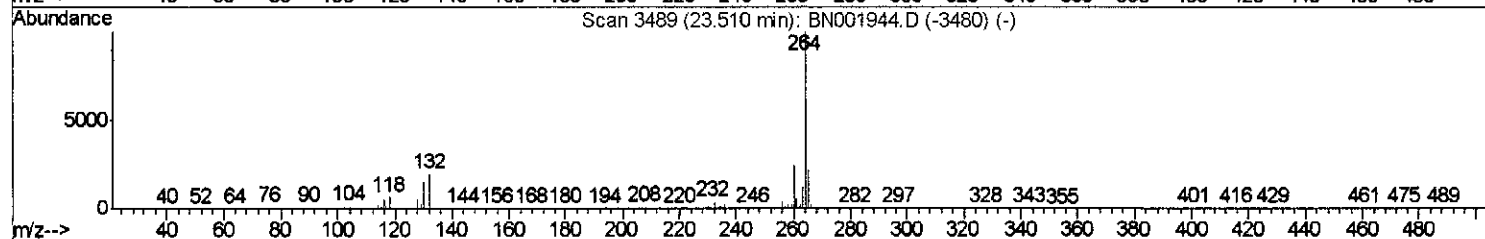
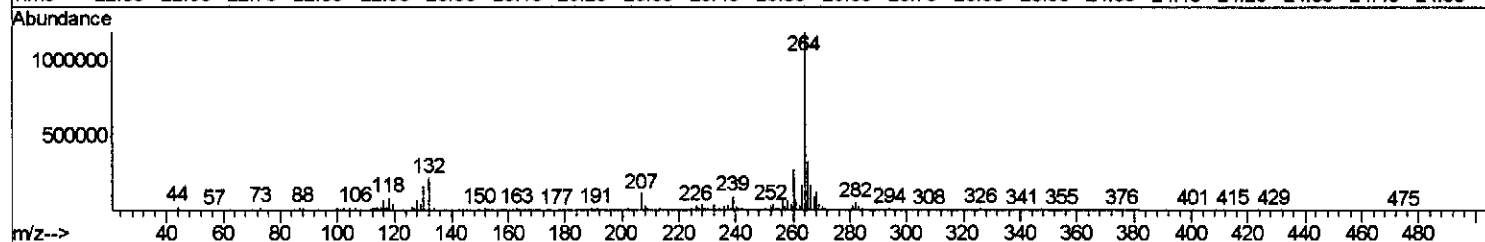
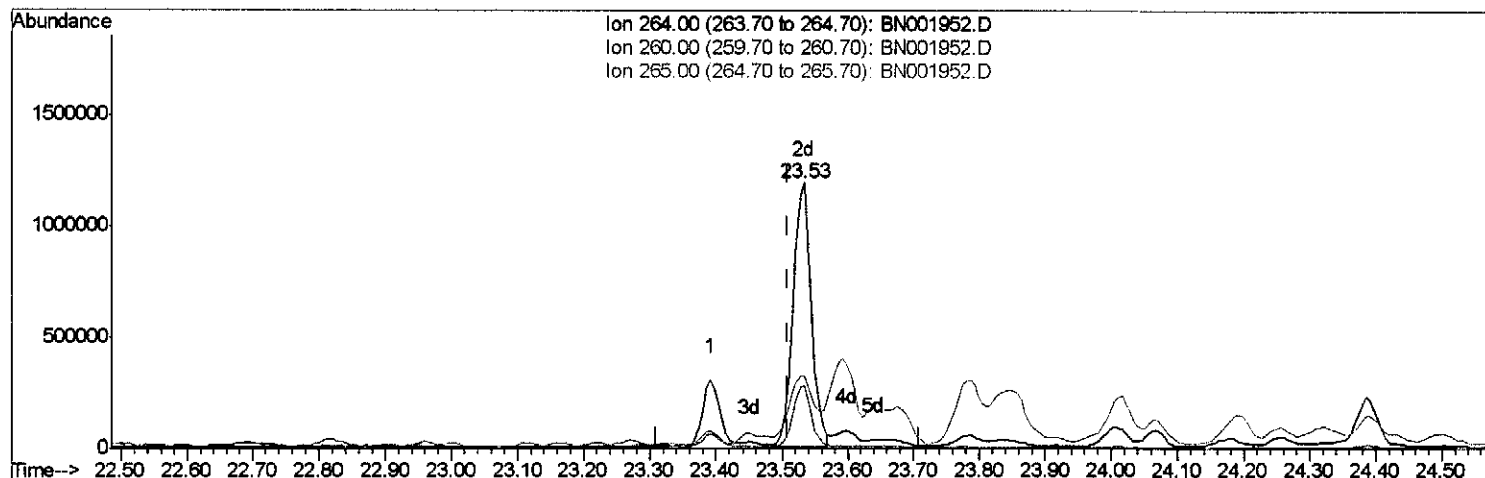
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 F1H00

Manual Integrations
 APPROVED

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TIC: BN001952.D

(83) Perylene-d12 (I)

23.533min (+0.024) 20.00ng/ul m > SJ H5718

response 2290554

Ion	Exp%	Act%
264.00	100	100
260.00	24.30	23.45
265.00	22.40	27.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

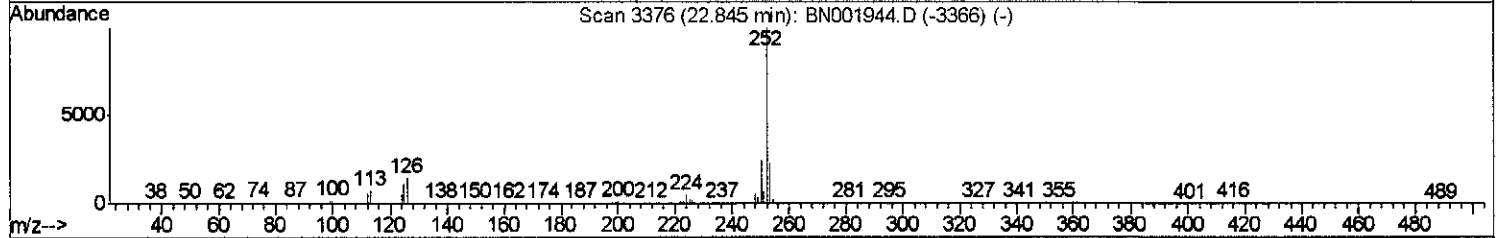
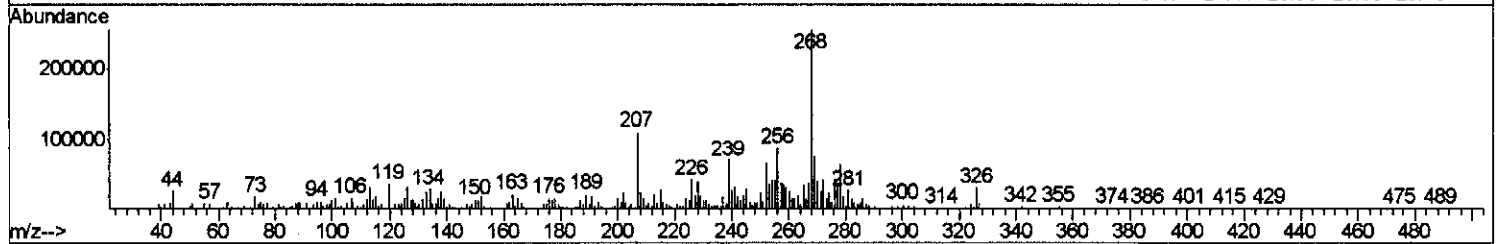
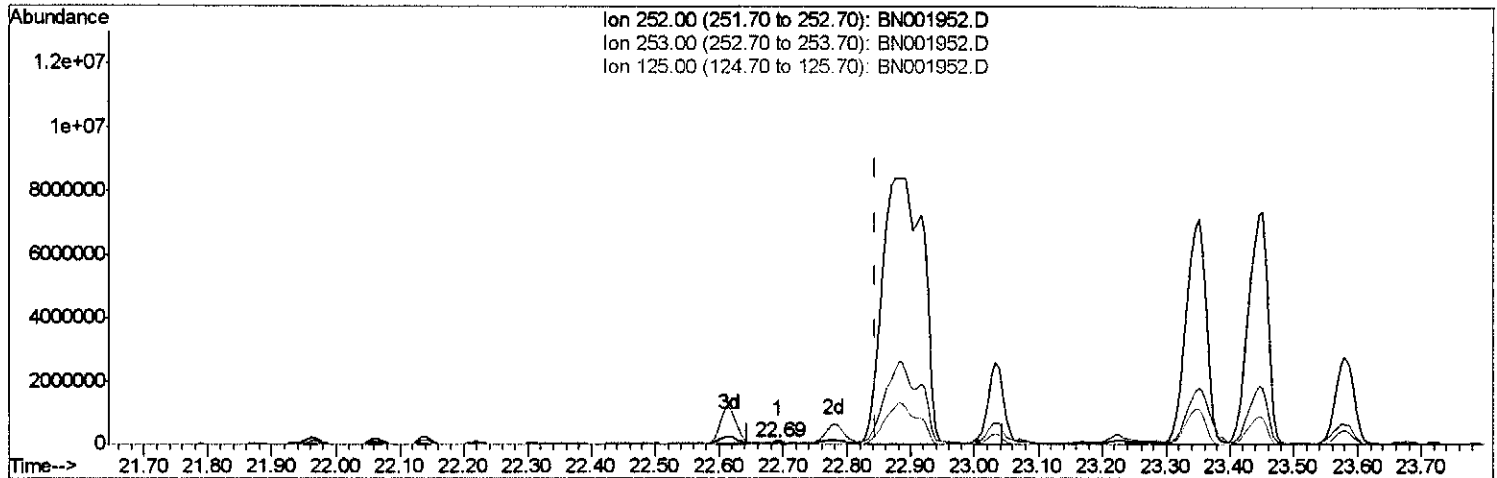
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
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 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
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TIC: BN001952.D

(85) Benzo(b)fluoranthene

22.692min (-0.153) 0.65ng/ul

response 93858

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	53.62#
125.00	6.10	25.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

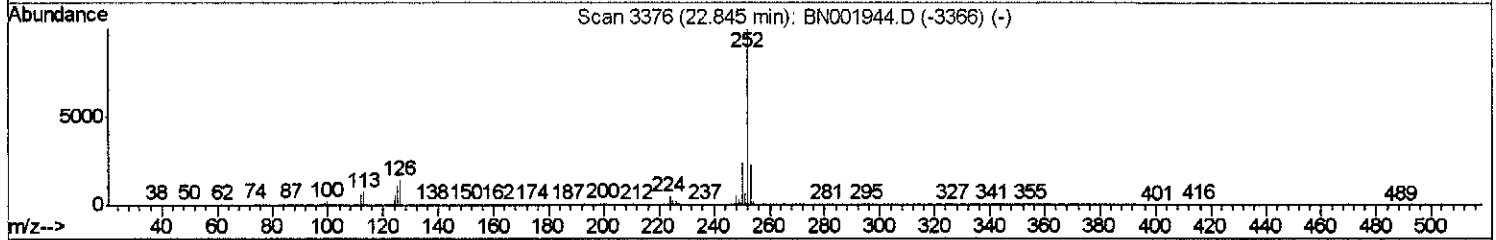
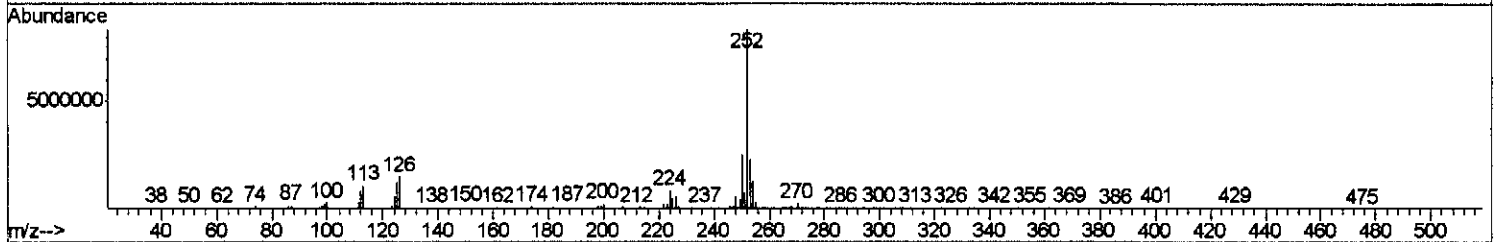
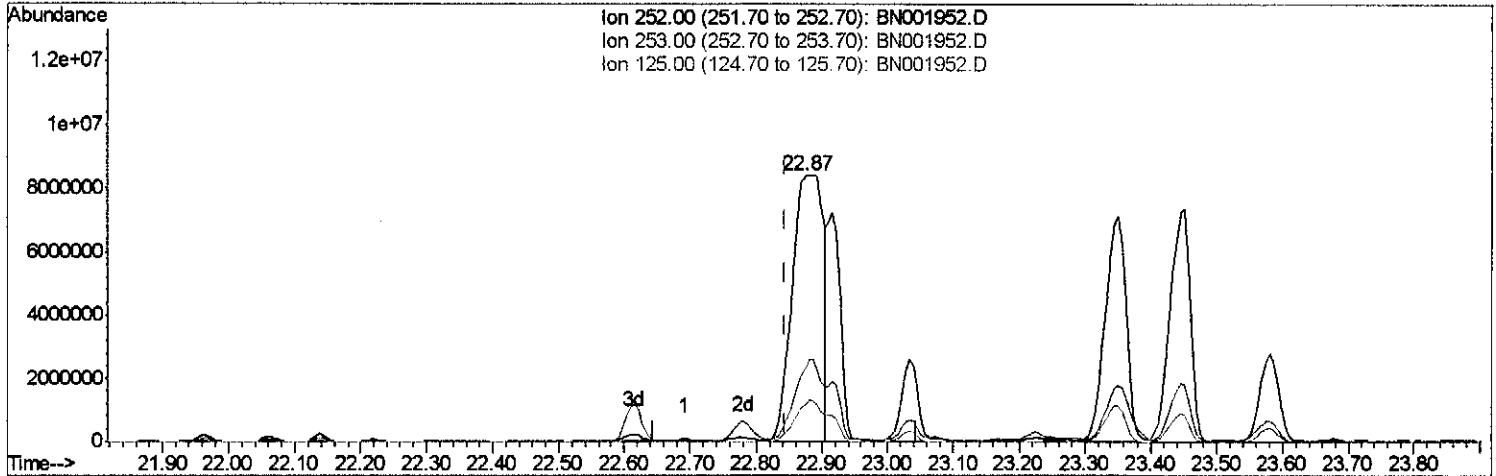
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



TIC: BN001952.D

(85) Benzo(b)fluoranthene

22.874min (+0.029) 188.73ng/ul m

response 27303595

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	27.59#
125.00	6.10	14.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

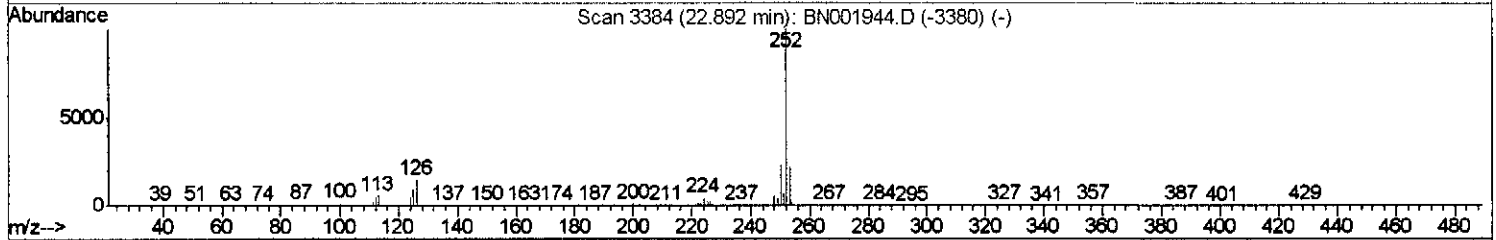
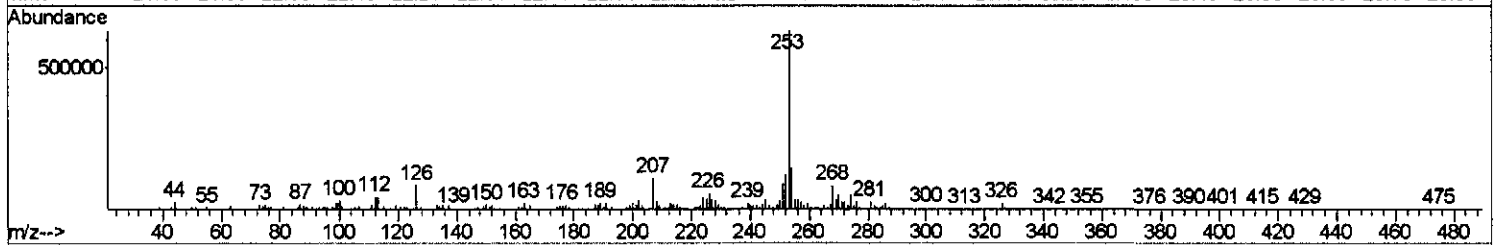
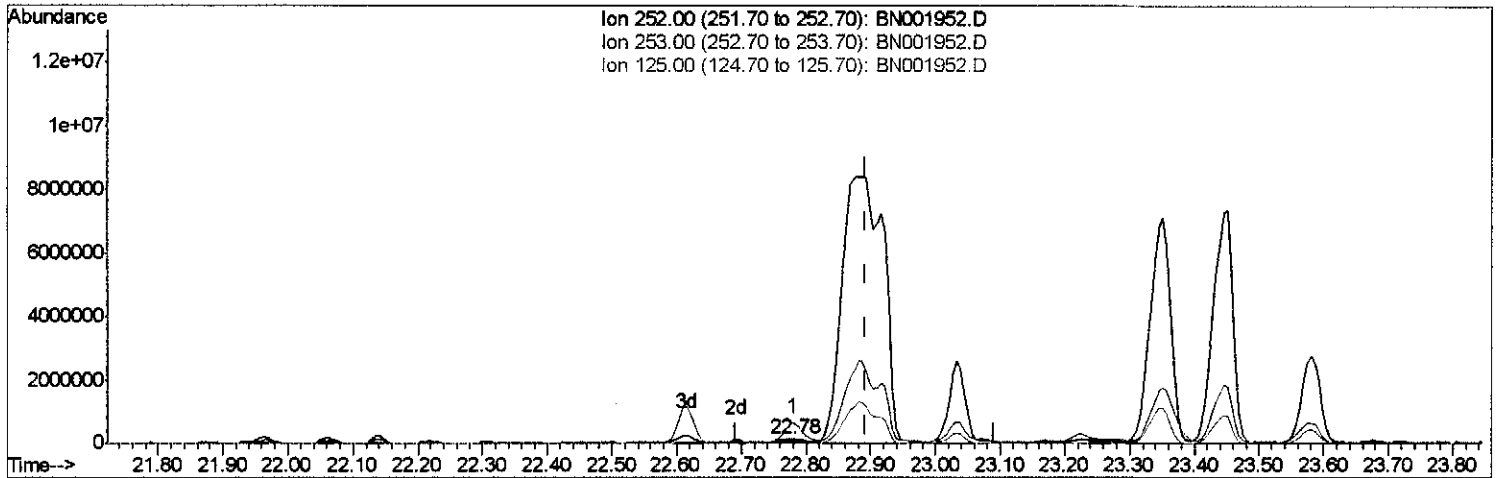
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

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TIC: BN001952.D

(86) Benzo(k)fluoranthene

22.780min (-0.112) 1.41ng/ul

response 198185

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	515.52#
125.00	6.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

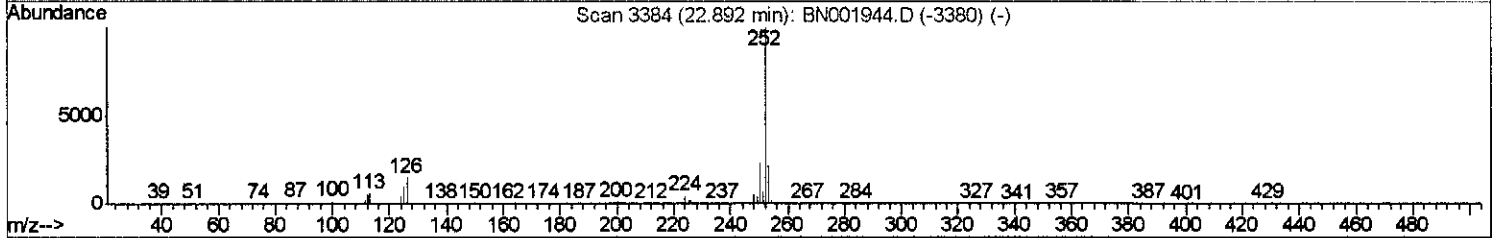
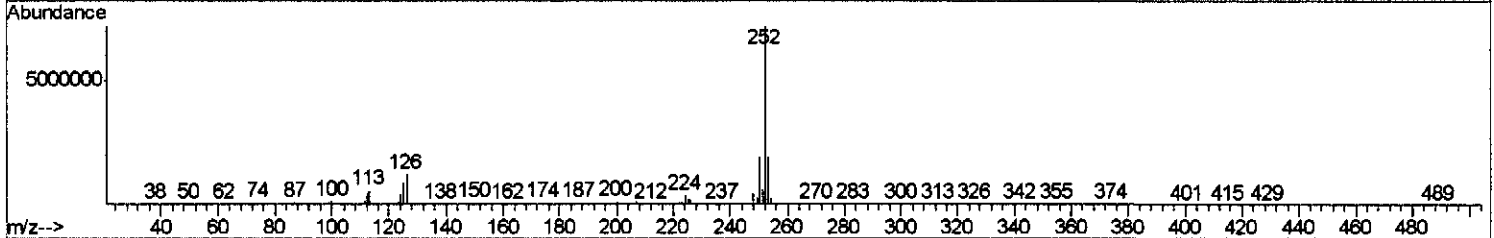
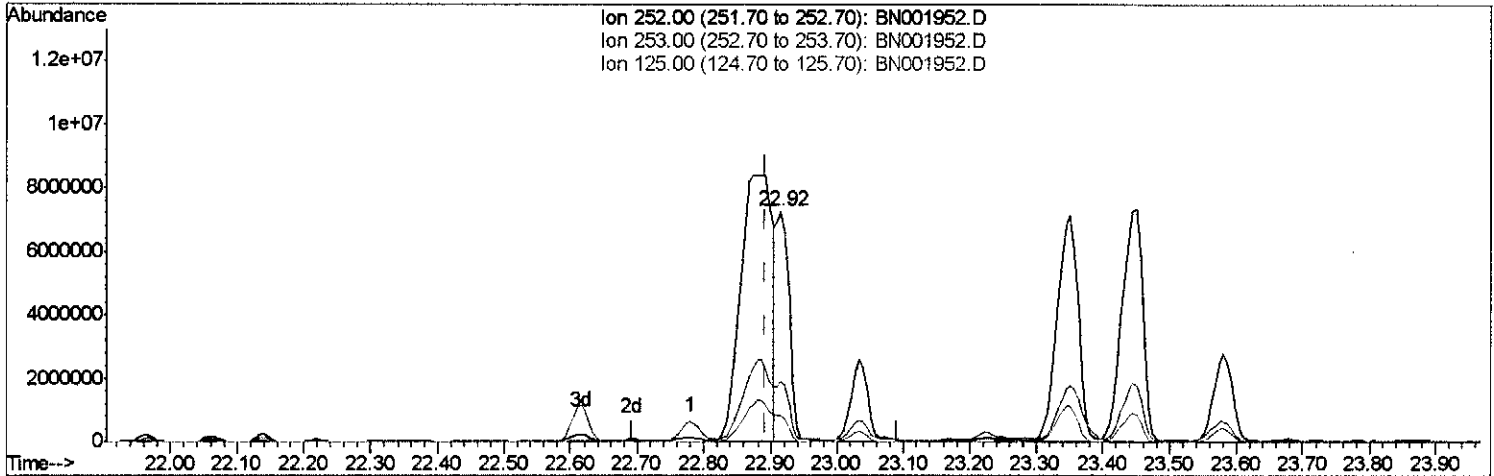
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 Data File : BN001952.D
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Instrument :
 BNA_N
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Manual Integrations
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TIC: BN001952.D

(86) Benzo(k)fluoranthene

22.915min (+0.024) 70.97ng/ul m

response 9955964

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	26.32#
125.00	6.70	11.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

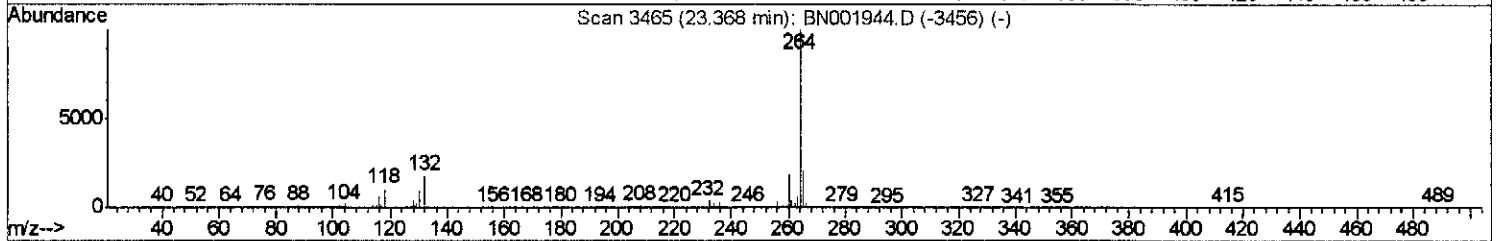
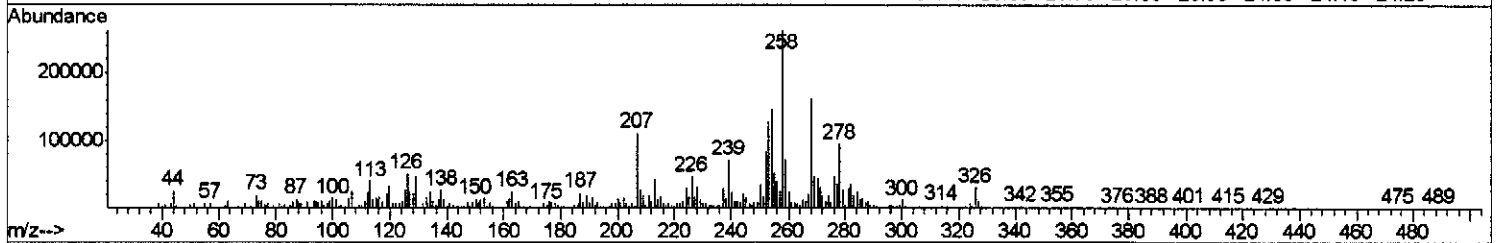
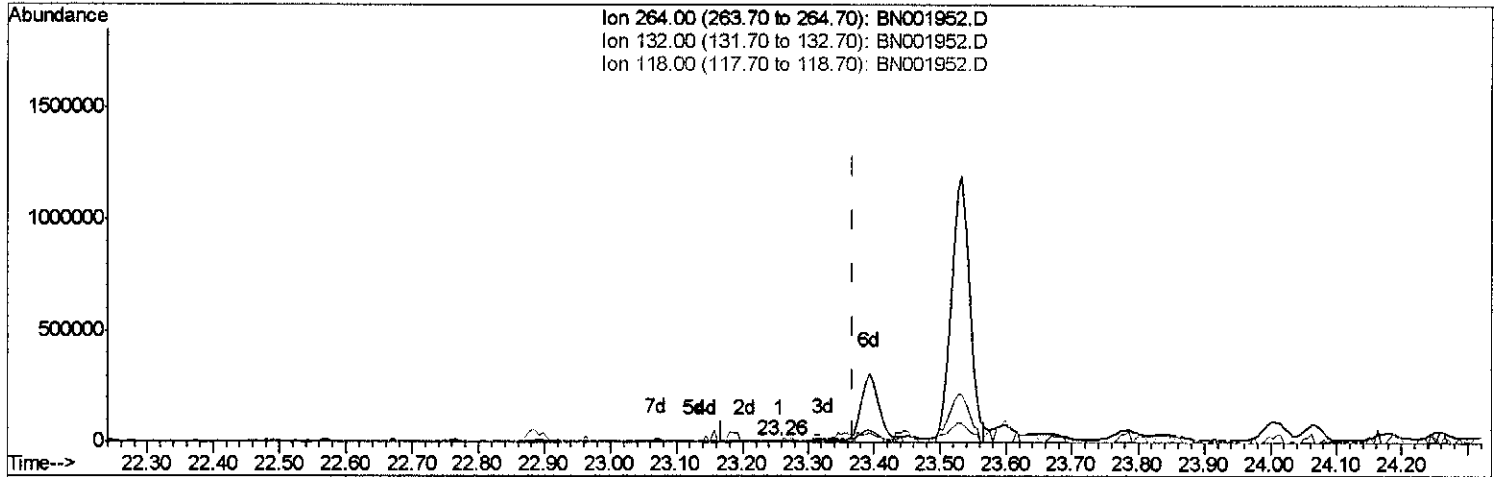
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TIC: BN001952.D

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

23.257min (-0.112) 0.01ng/ul

response 1047

Ion	Exp%	Act%
264.00	100	100
132.00	10.70	0.00#
118.00	6.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

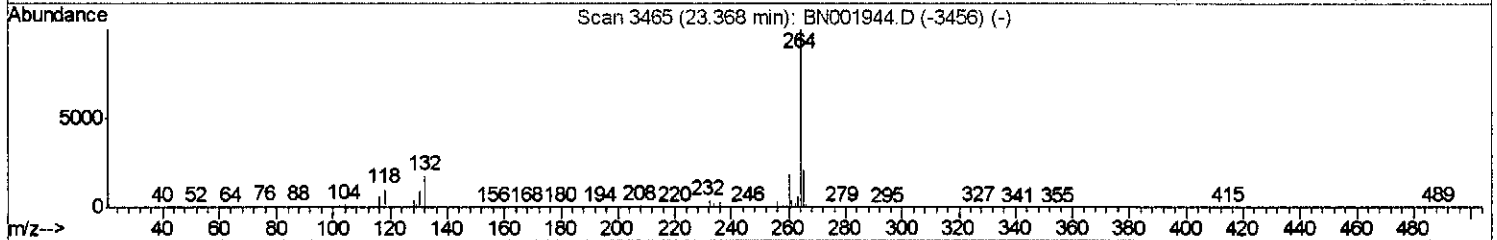
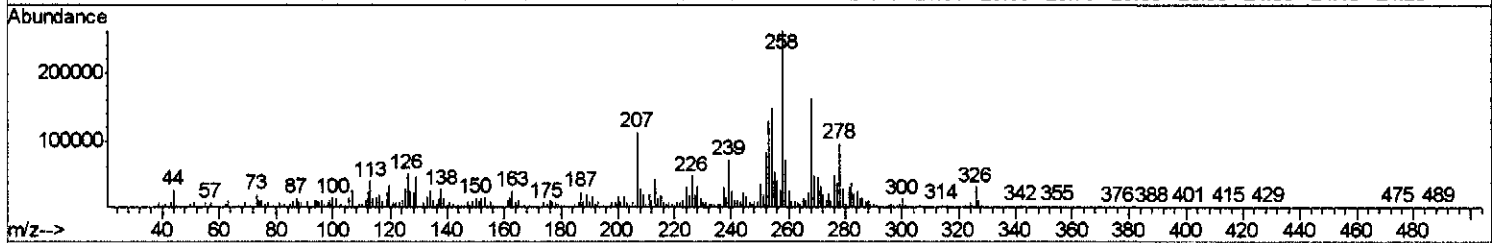
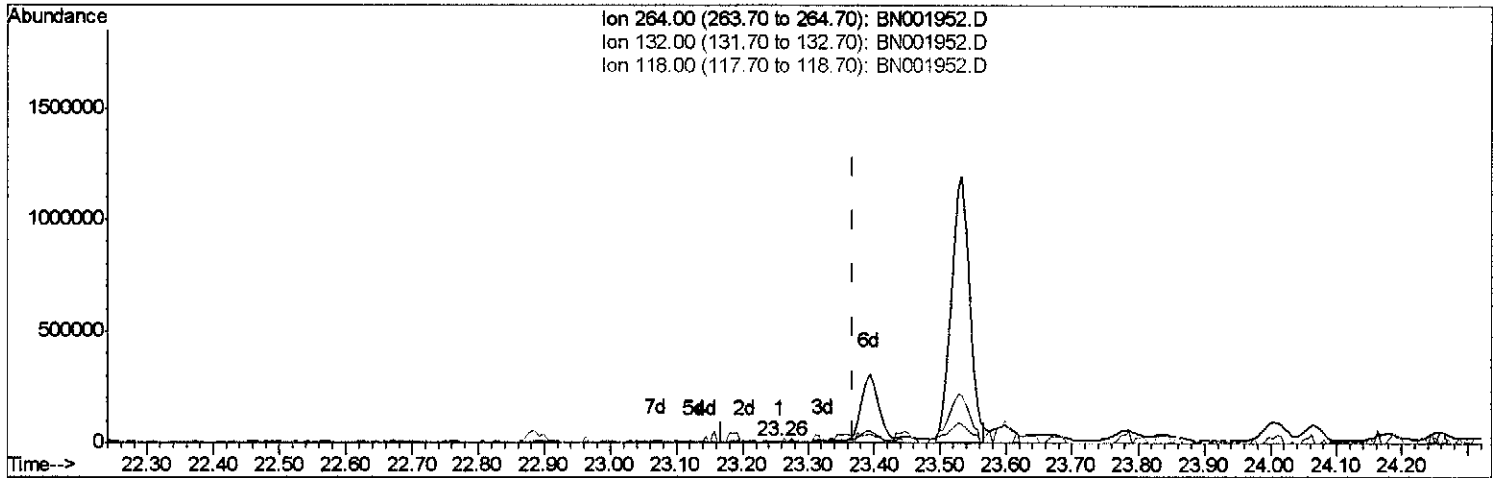
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 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
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Manual Integrations
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TIC: BN001952.D

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

23.257min (-0.112) 0.01ng/ui

response 1047

Ion	Exp%	Act%
264.00	100	100
132.00	10.70	0.00#
118.00	6.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

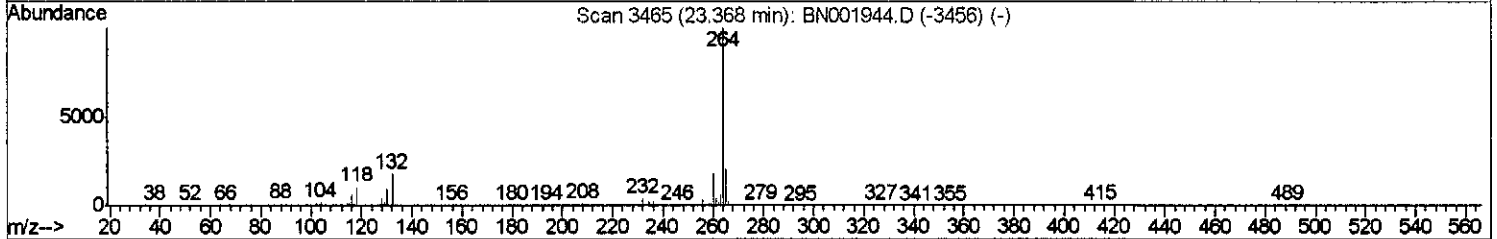
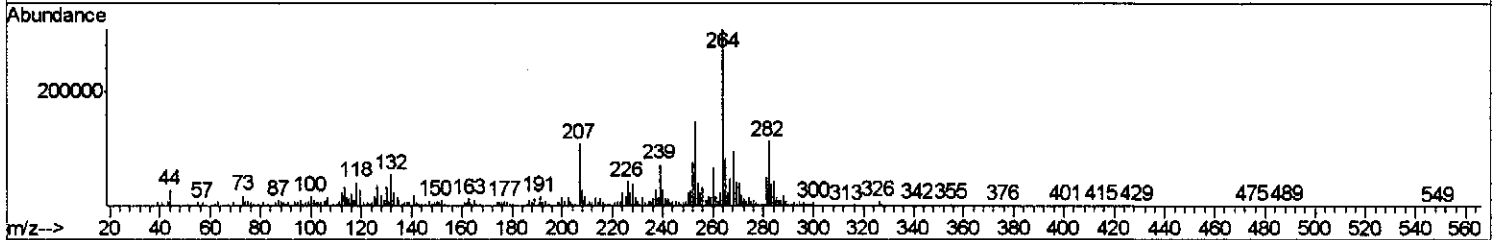
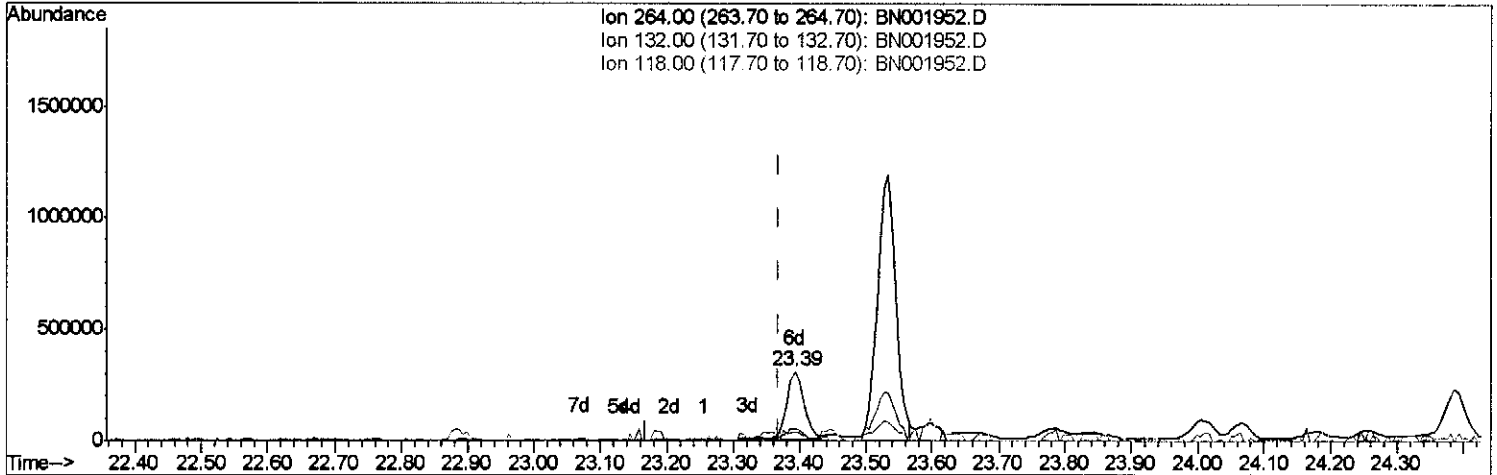
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(87) Benzo(a)pyrene-d12 (S)

23.392min (+0.024) 4.43ng/ul m> SJ 7/5/18

response 551801

Ion	Exp%	Act%
264.00	100	100
132.00	10.70	17.81#
118.00	6.10	13.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

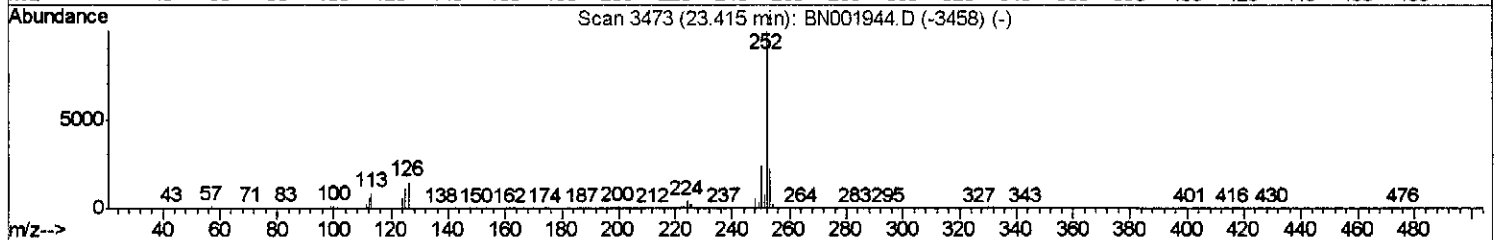
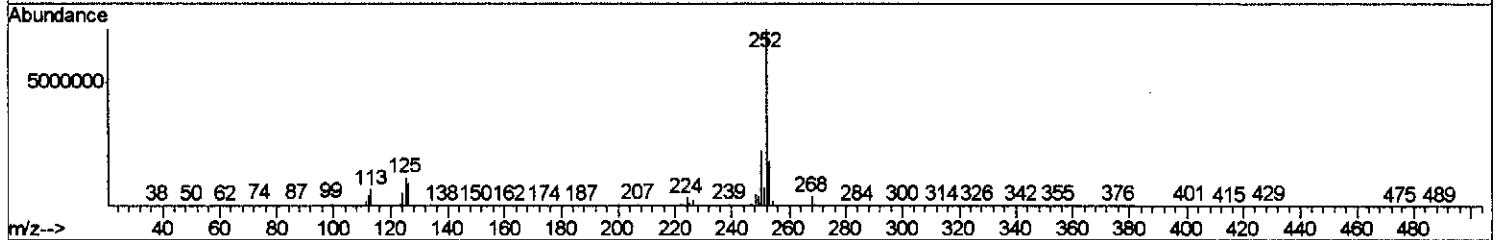
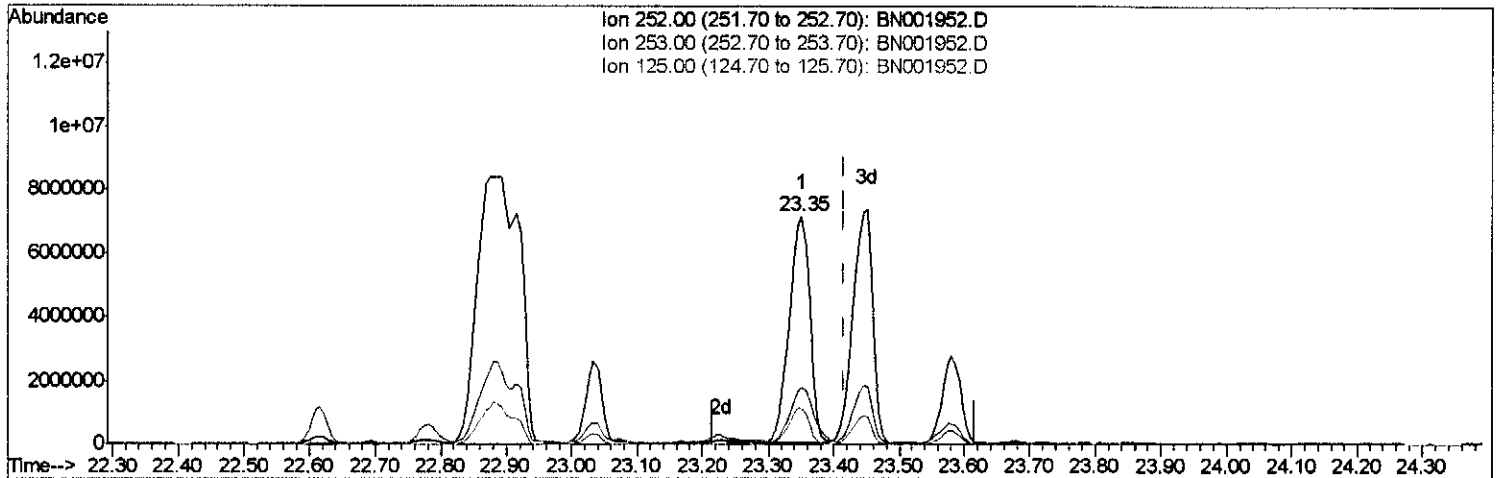
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration



TIC: BN001952.D

(88) Benzo(a)pyrene (C)

23.351min (-0.065) 115.04ng/ul

response 15552127

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	25.27
125.00	7.20	15.97#
0.00	0.00	0.00

Quantitation Report (Qedit)

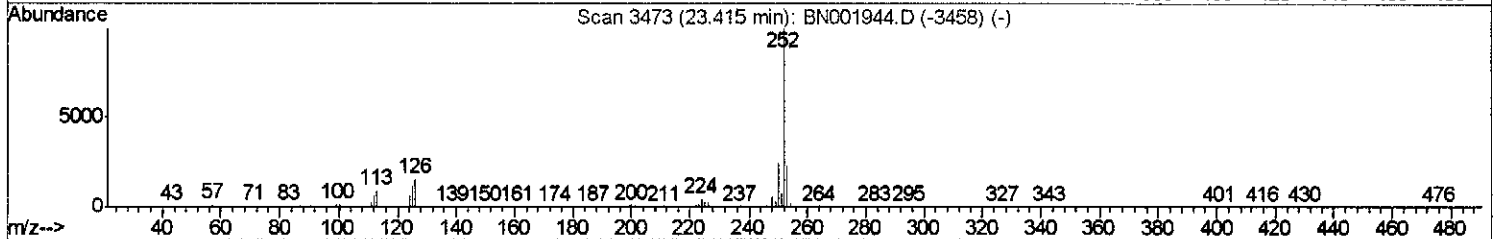
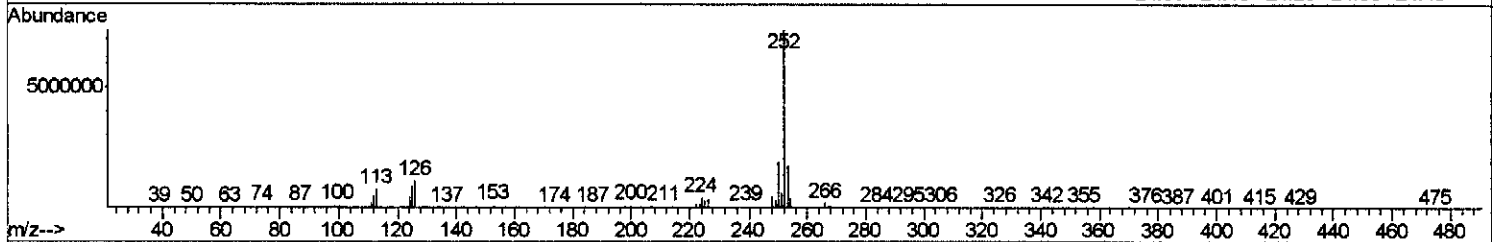
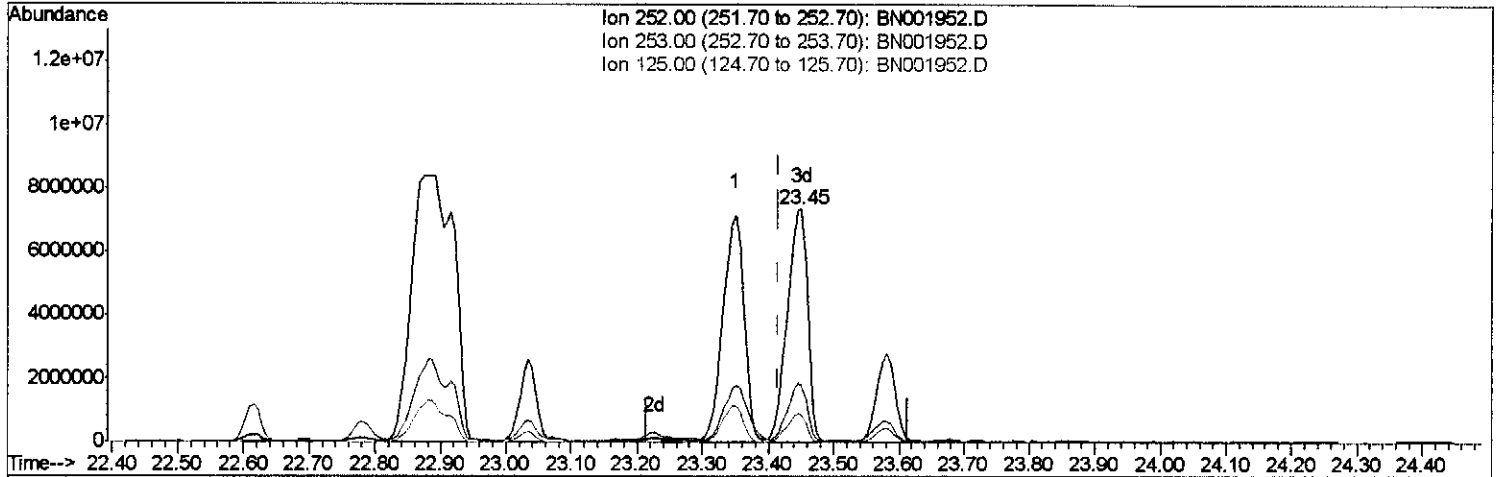
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration



TIC: BN001952.D

(88) Benzo(a)pyrene (C)

23.451min (+0.035) 117.09ng/ul m > 50 21518

response 15829177

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	24.30
125.00	7.20	12.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

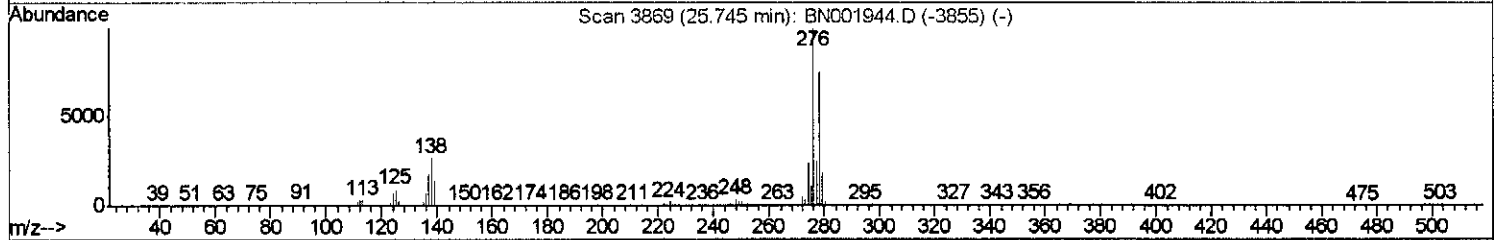
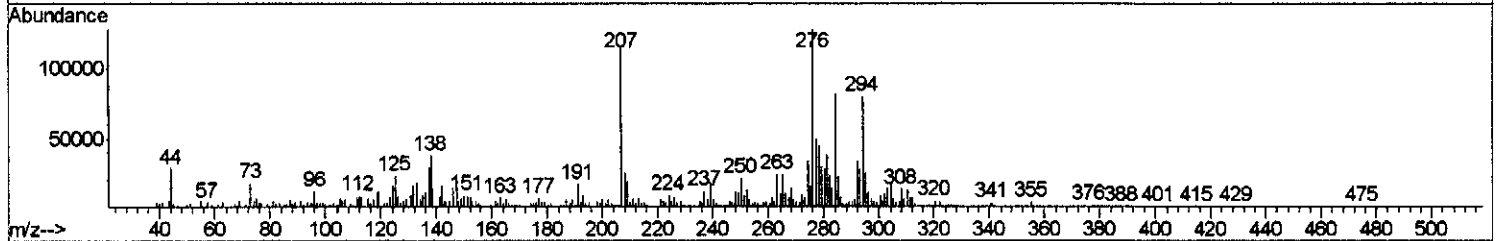
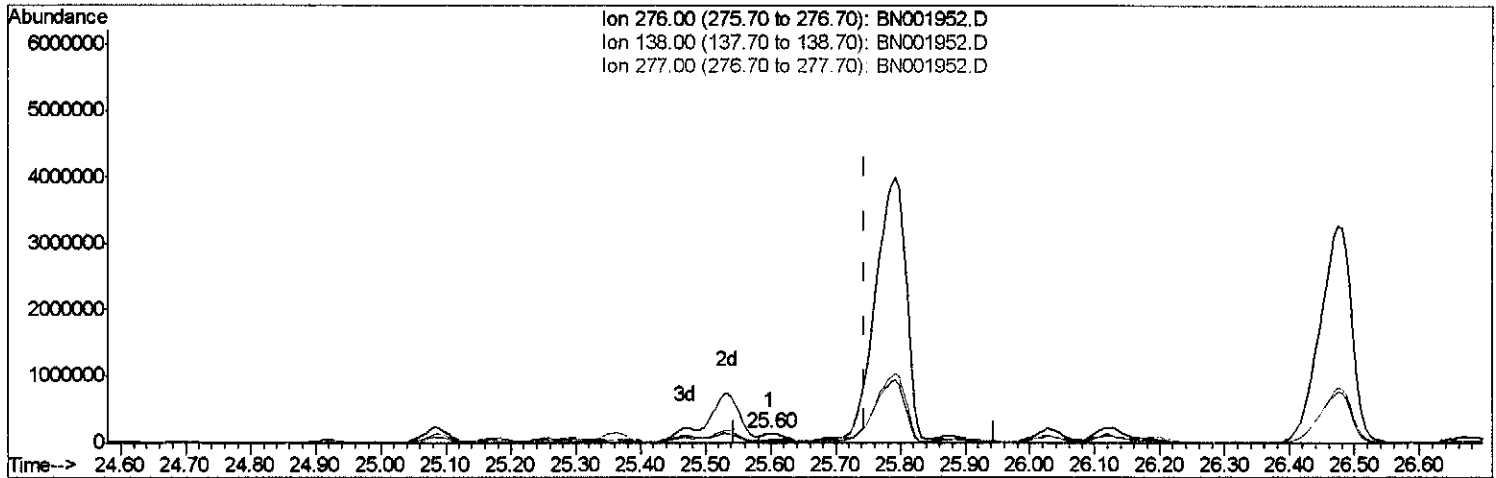
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration



TIC: BN001952.D

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

25.598min (-0.147) 1.73ng/ul

response 248898

Ion	Exp%	Act%
276.00	100	100
138.00	13.60	39.59#
277.00	23.60	38.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

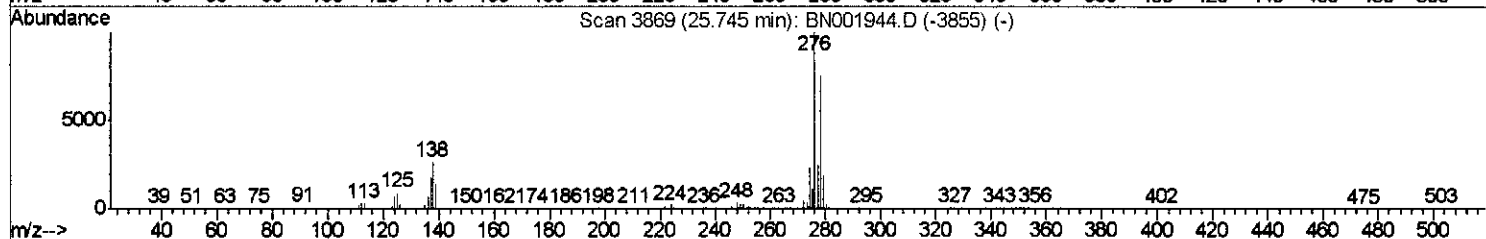
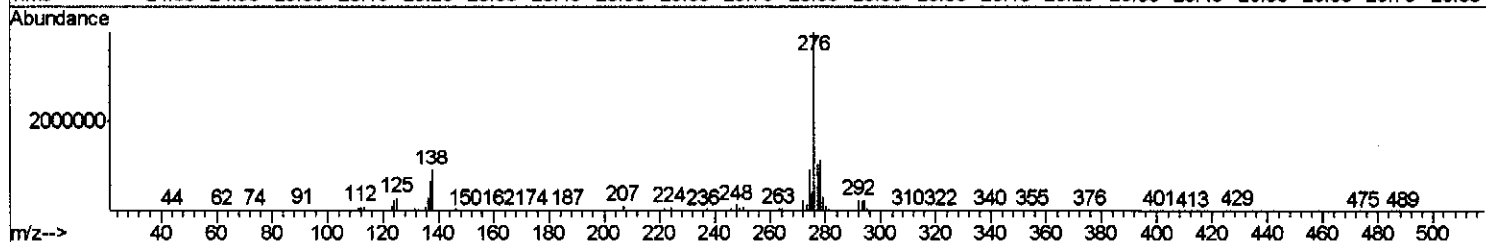
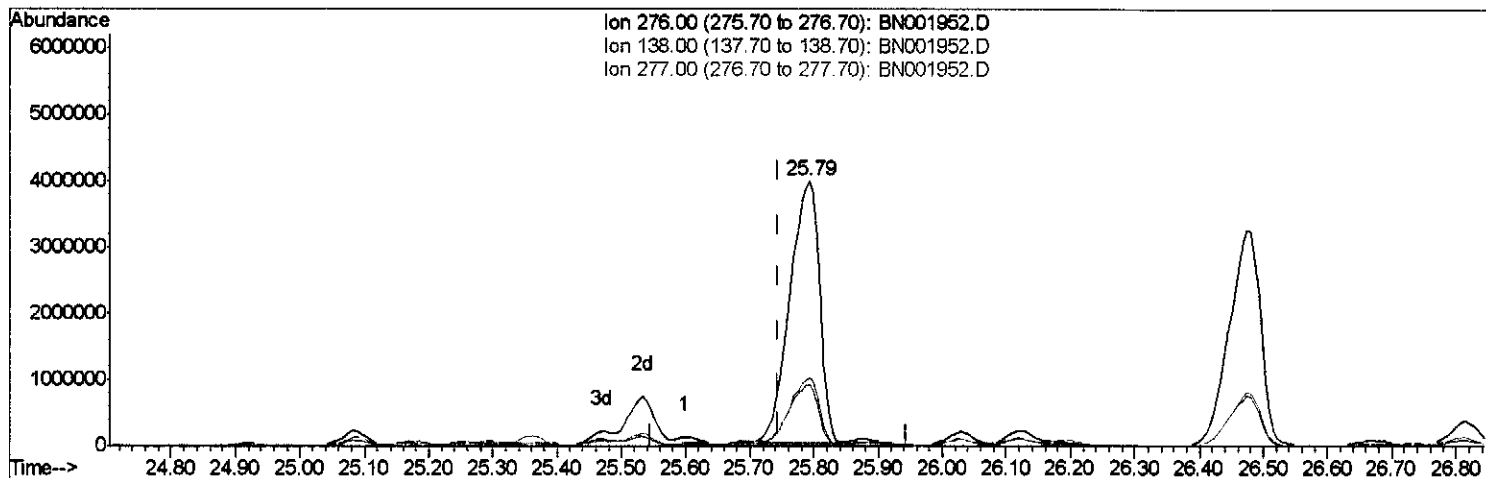
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration



TIC: BN001952.D

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

25.792min (+0.047) 90.20ng/ul m> SJ 7/5/18

response 12976074

Ion	Exp%	Act%
276.00	100	100
138.00	13.60	23.06%
277.00	23.60	25.74
0.00	0.00	0.00

Quantitation Report (Qedit)

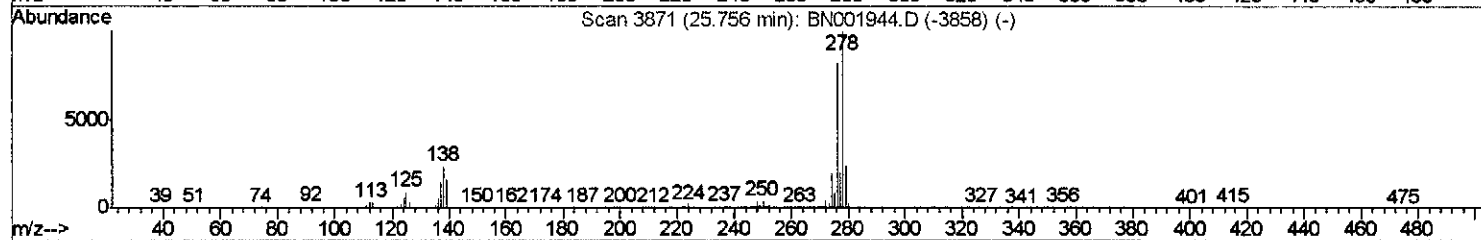
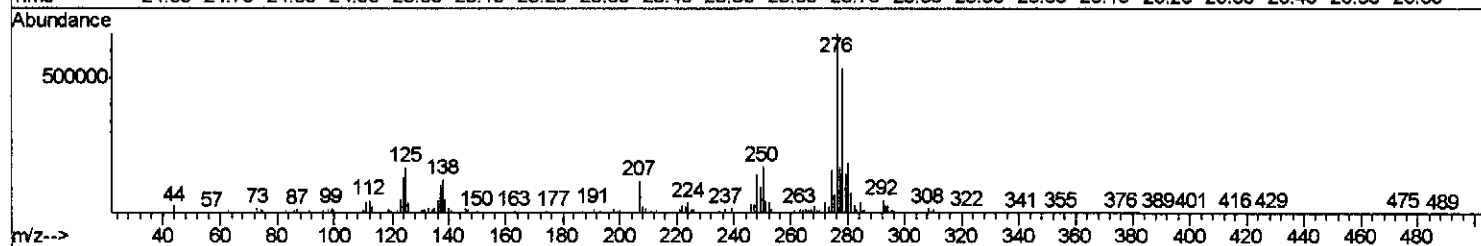
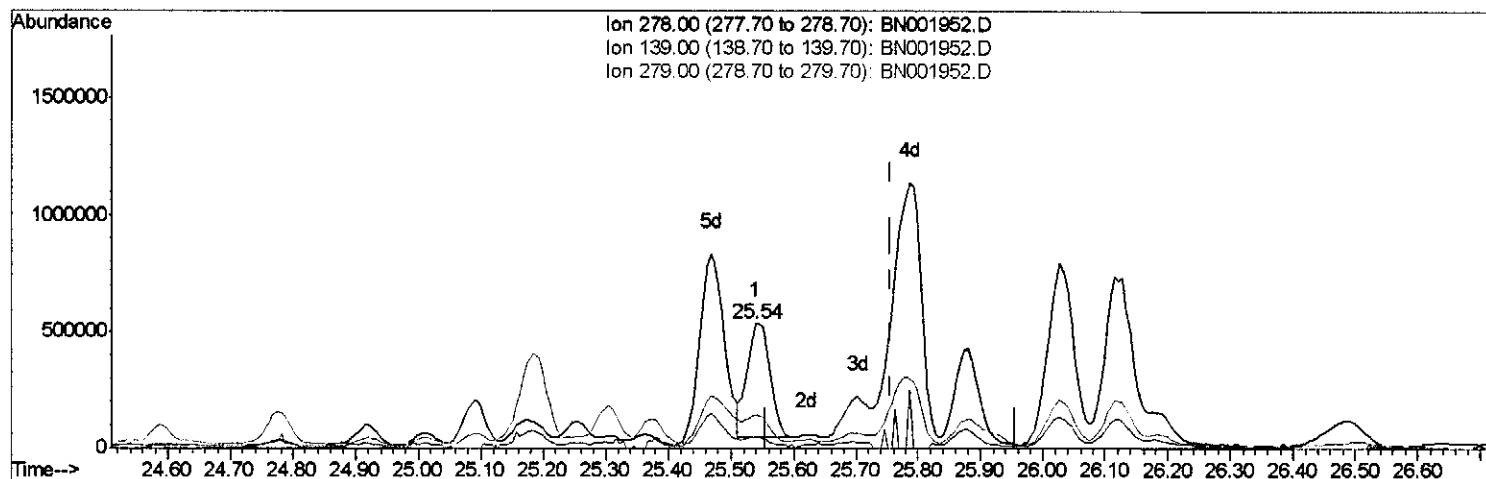
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001952.D
Acq On : 03 Jul 2018 20:14
Operator : JU/SJ
Sample : J3721-14 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F1H00

Manual Integrations
APPROVED

Sohil
7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration



TIC: BN001952.D

(90) Dibenzo(a,h)anthracene

25.539min (-0.218) 10.63ng/ul

response 1272722

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	9.15
279.00	23.90	27.57
0.00	0.00	0.00

Quantitation Report (Qedit)

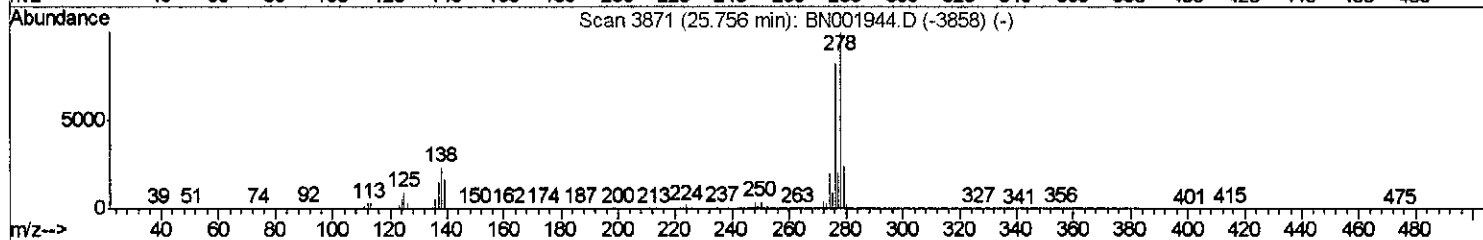
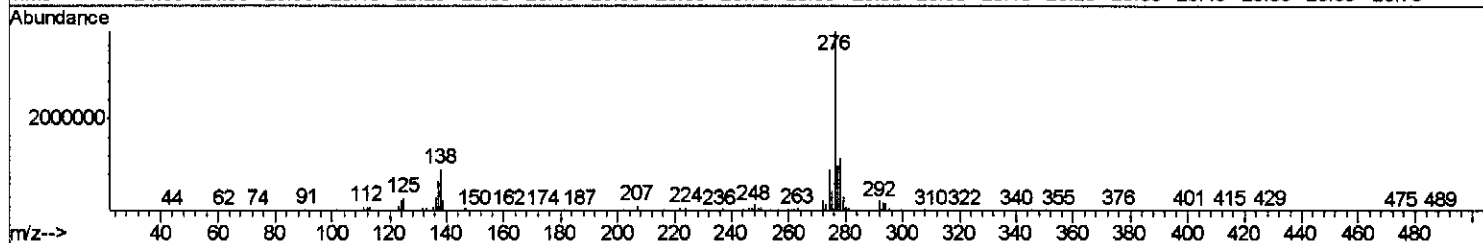
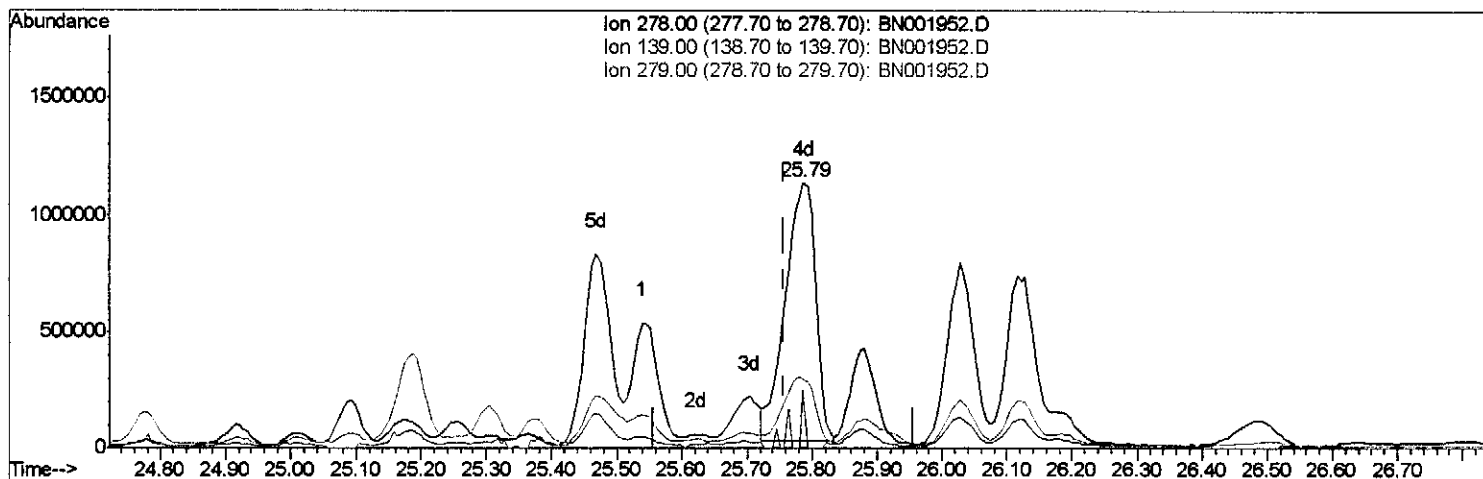
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001952.D
Acq On : 03 Jul 2018 20:14
Operator : JU/SJ
Sample : J3721-14 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F1H00

Manual Integrations
APPROVED

Sohil
7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration



TIC: BN001952.D

(90) Dibenzo(a,h)anthracene

25.786min (+0.029) 30.10ng/ul m

response 3603208

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	22.21#
279.00	23.90	26.55
0.00	0.00	0.00

Quantitation Report (Qedit)

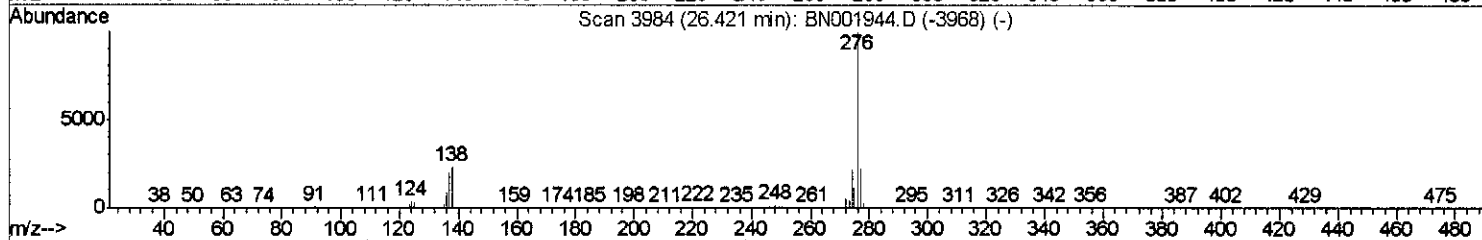
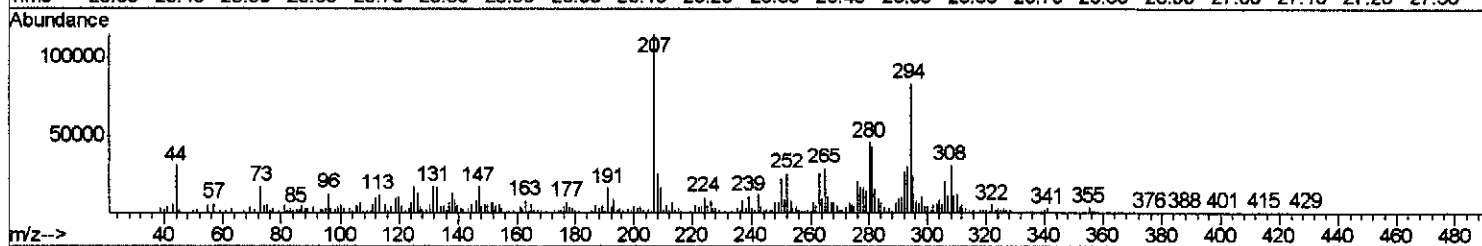
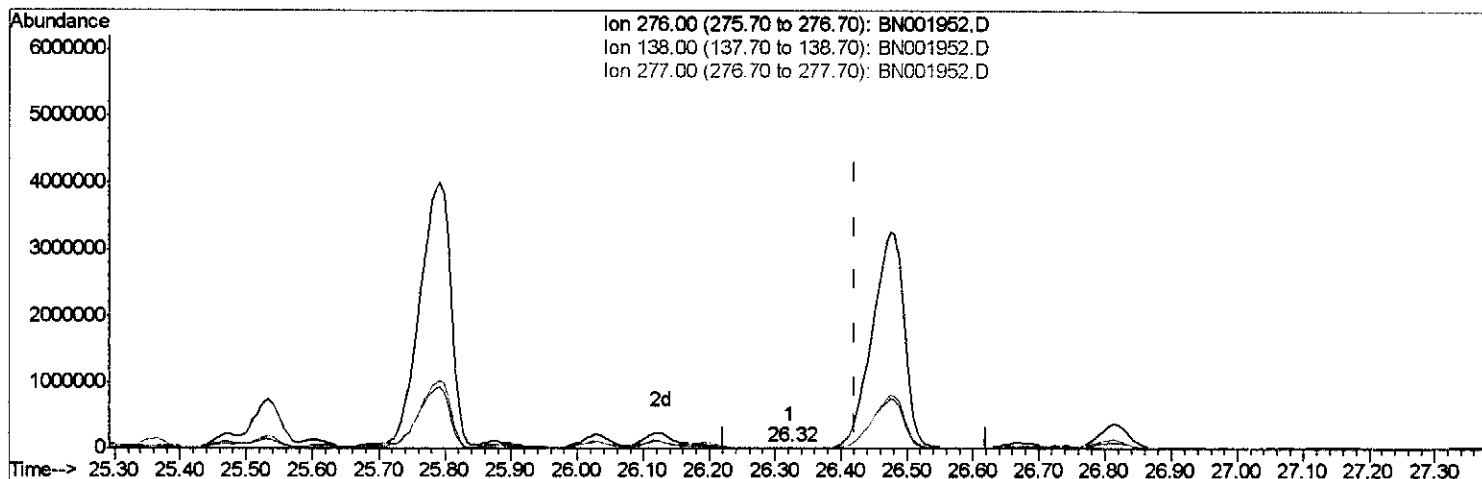
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001952.D
Acq On : 03 Jul 2018 20:14
Operator : JU/SJ
Sample : J3721-14 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F1H00

Manual Integrations
APPROVED

Sohil
7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration



TIC: BN001952.D

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

26.321min (-0.100) 0.10ng/ul

response 11738

Ion	Exp%	Act%
276.00	100	100
138.00	14.00	58.34#
277.00	23.80	79.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

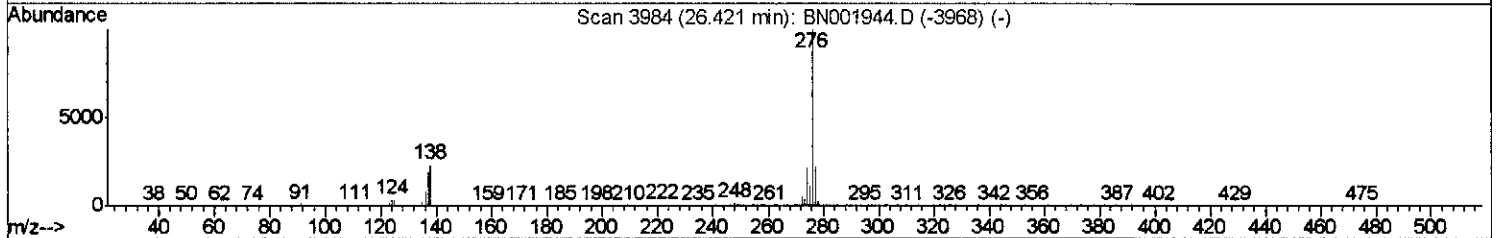
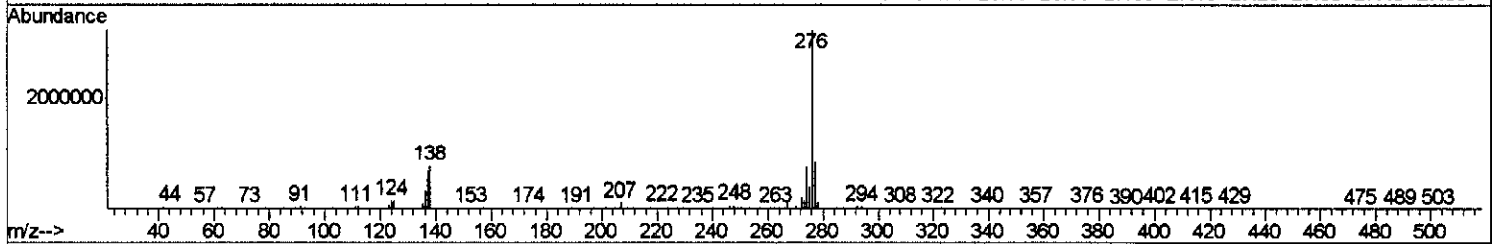
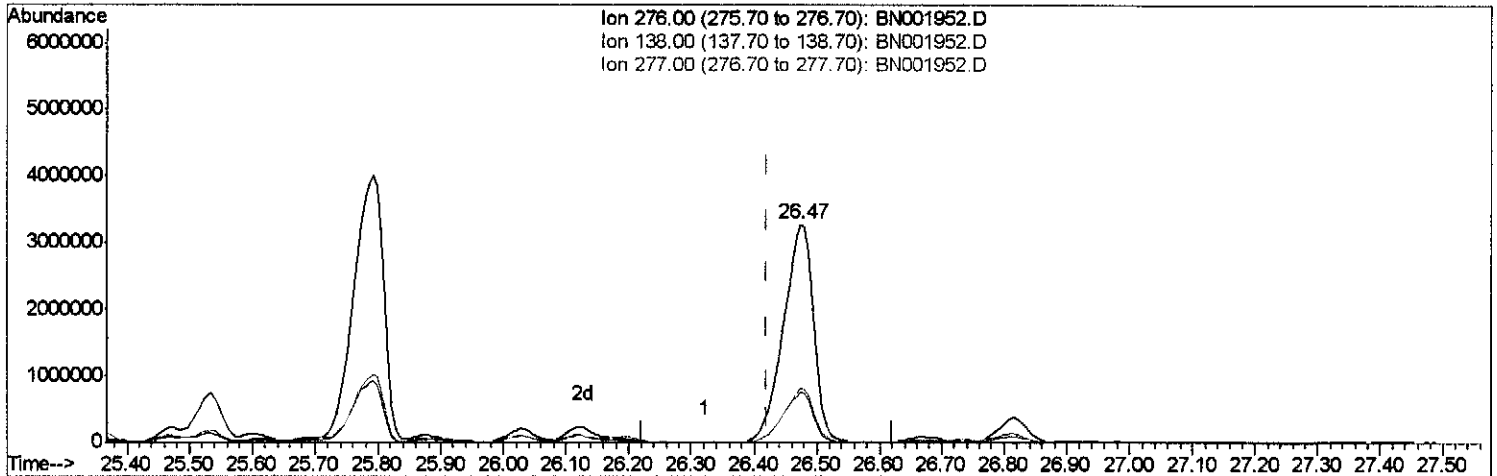
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration



TIC: BN001952.D

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

26.474min (+0.053) 94.36ng/ul m

SD 7/5/18

response 11196900

Ion	Exp%	Act%
276.00	100	100
138.00	14.00	23.33#
277.00	23.80	25.12
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 F1H00

Manual Integrations
 APPROVED

Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:20:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	713953	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3150788	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1719054	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	3216830	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	1929691	20.00	ng/ul	0.01
83) Perylene-d12	23.53	264	2290554m	20.00	ng/ul	0.02

50 m/s

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	10717	0.65	ng/uL	0.00
5) Phenol-d5	6.88	99	257099	3.98	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.05	67	168461	4.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	216511	4.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	205497	3.97	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	104478	4.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	106655	4.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	213021	4.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	158455	2.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	647553	4.46	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	827637	4.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	36557	1.37	ng/ul	0.00
57) Fluorene-d10	15.33	176	566954	4.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	41169	2.35	ng/ul	0.00
70) Anthracene-d10	17.18	188	736632	4.74	ng/ul	0.00
76) Pyrene-d10	19.49	212	596536	6.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	551801m	4.43	ng/ul	0.02

50 m/s

Target Compounds

					Ovalue	
28) Naphthalene	10.53	128	170920	1.022	ng/ul	99
44) Dimethylphthalate	13.80	163	277703	1.946	ng/ul#	96
47) Acenaphthylene	14.06	152	2067931	11.955	ng/ul	100
58) Fluorene	15.39	166	146411	1.066	ng/ul	99
69) Phenanthrene	17.13	178	1593530	8.794	ng/ul	99
71) Anthracene	17.22	178	3322191	18.112	ng/ul	98
72) Carbazole	17.49	167	700875	4.561	ng/ul	97
74) Fluoranthene	19.15	202	16144562m	84.758	ng/ul	
77) Pyrene	19.52	202	19054670m	157.791	ng/ul	
80) Benzo(a)anthracene	21.27	228	14775232	121.152	ng/ul#	81
82) Chrysene	21.33	228	16491228	145.331	ng/ul#	87
85) Benzo(b)fluoranthene	22.87	252	27303595m	188.730	ng/ul	
86) Benzo(k)fluoranthene	22.92	252	9955964m	70.968	ng/ul	
88) Benzo(a)pyrene	23.45	252	15829177m	117.087	ng/ul	
89) Indeno(1,2,3-cd)pyrene	25.79	276	12976074m	90.203	ng/ul	
90) Dibenzo(a,h)anthracene	25.79	278	3603208m	30.096	ng/ul	
91) Benzo(g,h,i)perylene	26.47	276	11196900m	94.356	ng/ul	

50 m/s

50 m/s

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