

(QT Reviewed)

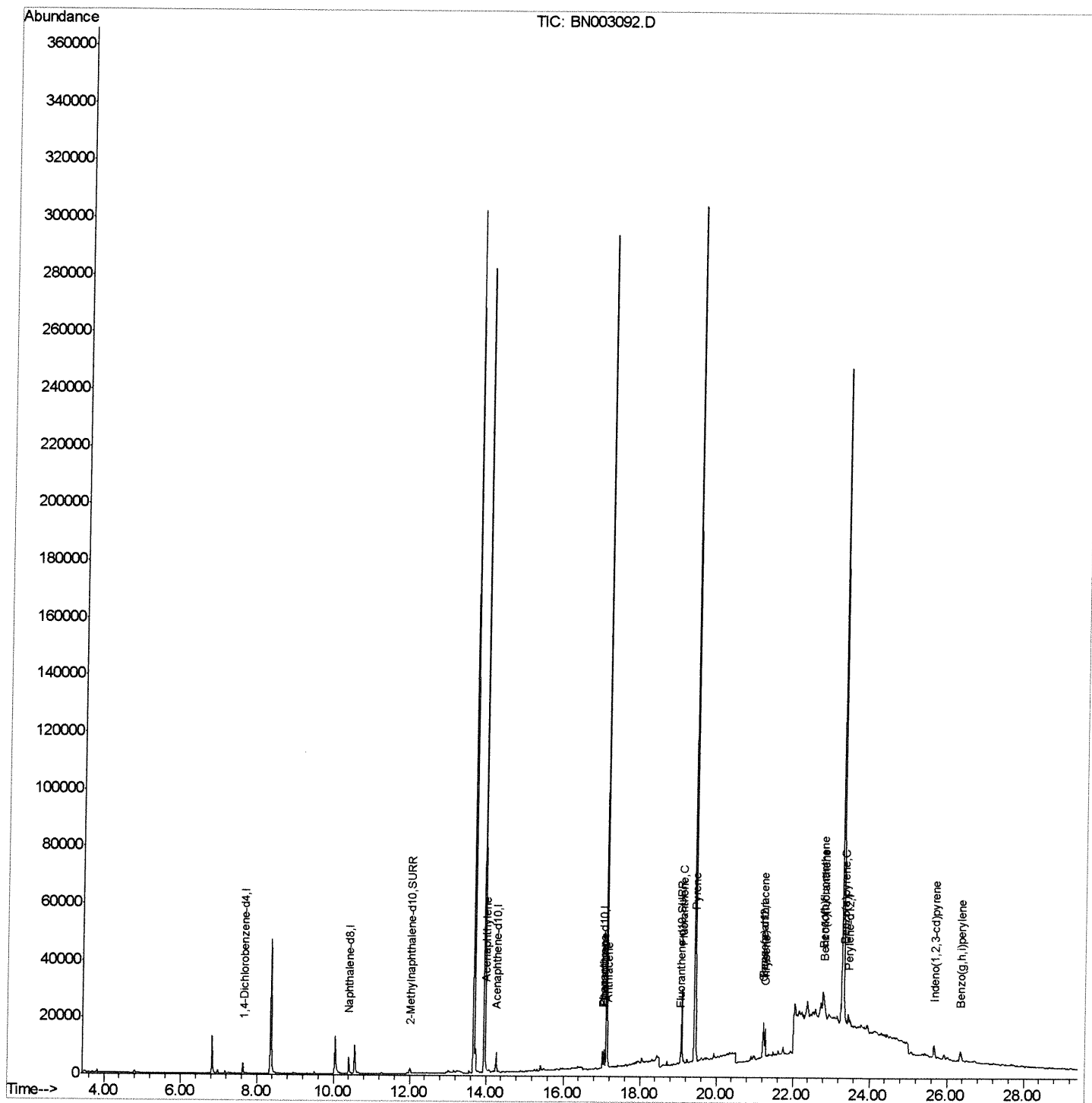
```
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\  
Data File : BN003092.D  
Acq On    : 11 Oct 2018 07:39  
Operator  : MJ/SJ  
Sample    : J5295-11  
Misc      :  
ALS Vial  : 29      Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:14:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 08:10:30 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

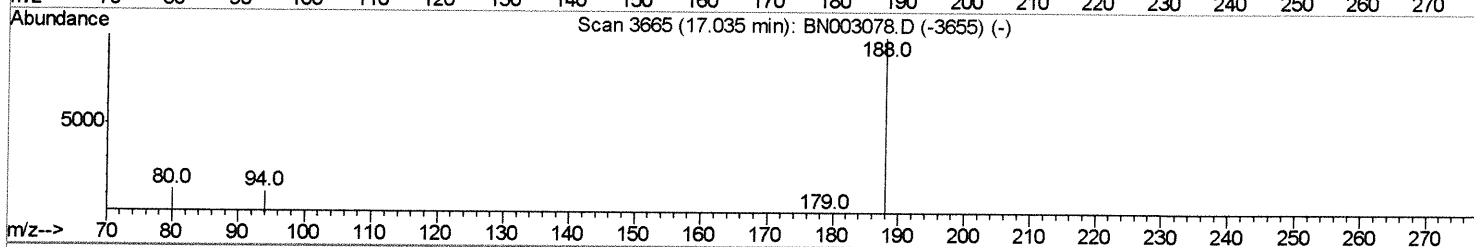
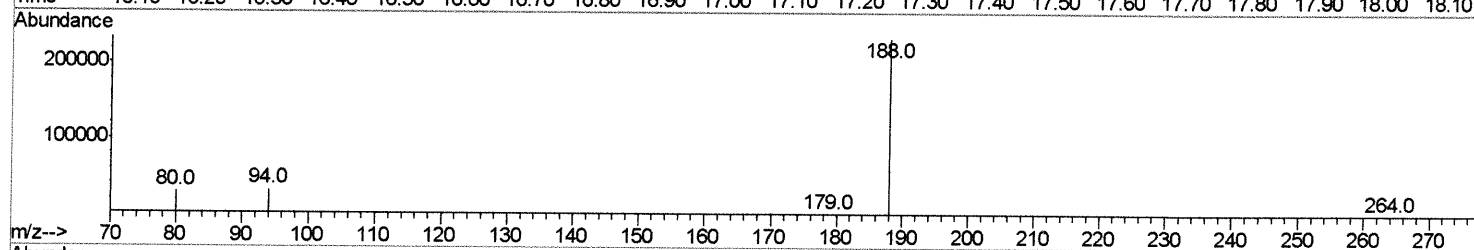
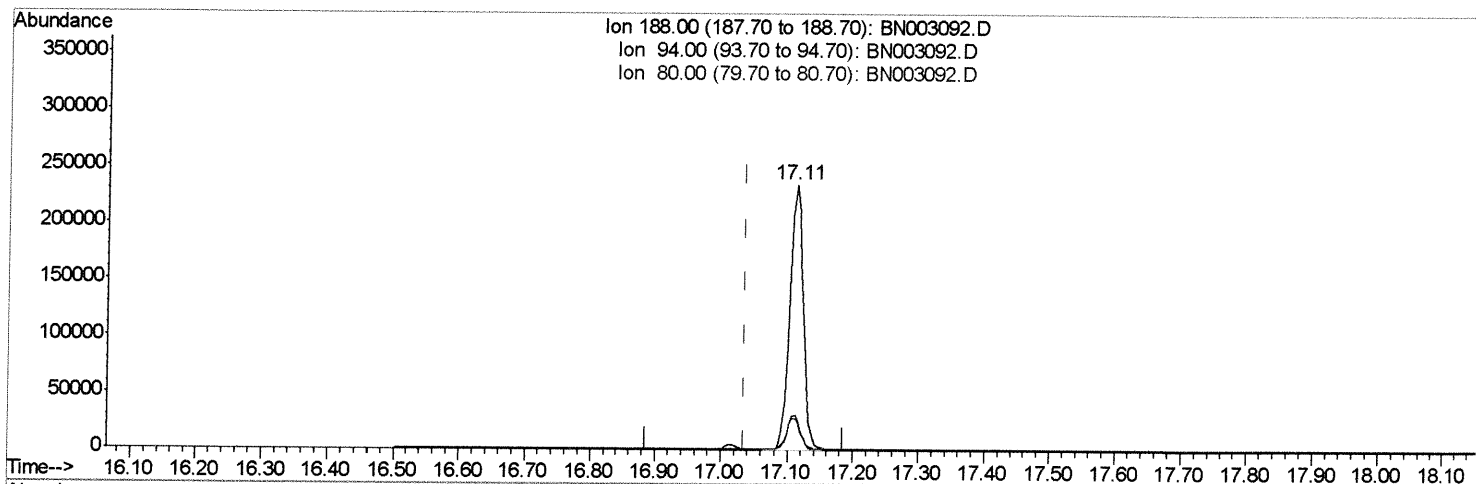
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:10:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 08:10:30 2018
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TIC: BN003092.D

(10) Phenanthrene-d10 (I)

17.111min (+0.076) 0.40ng/ul

response 332835

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	13.26
80.00	12.70	12.05
0.00	0.00	0.00

Quantitation Report (Qedit)

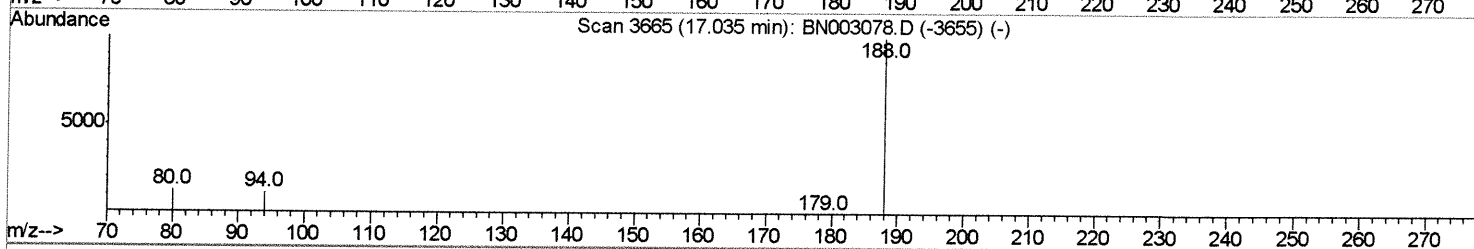
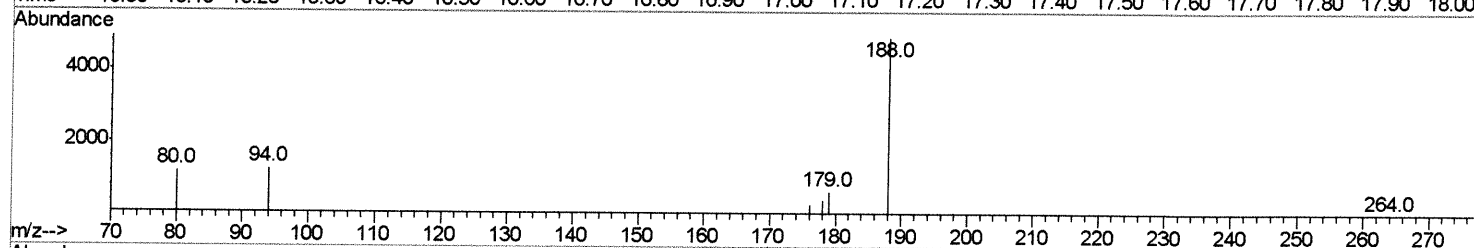
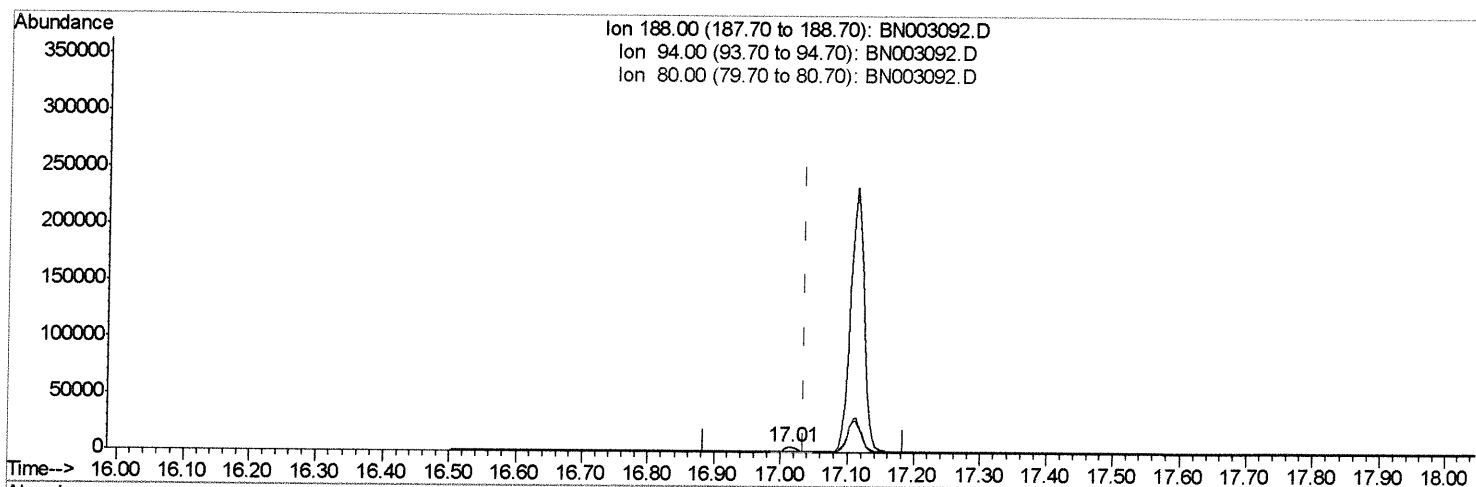
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
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Manual Integrations
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TIC: BN003092.D

(10) Phenanthrene-d10 (I)

17.014min (-0.021) 0.40ng/ul m

response 7168

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	25.76#
80.00	12.70	24.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

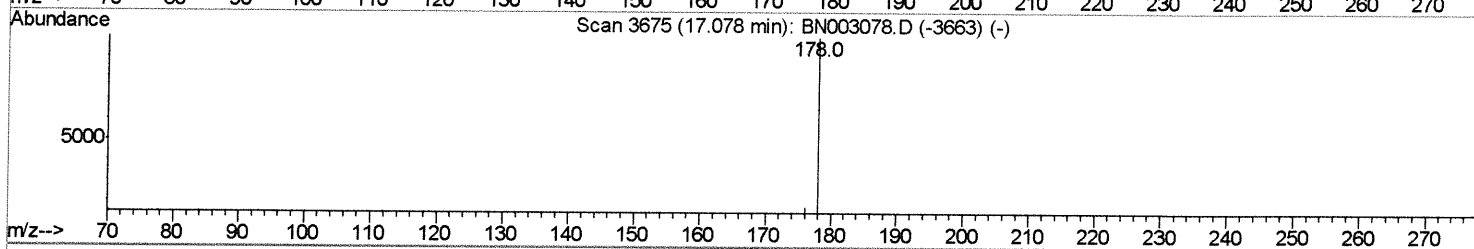
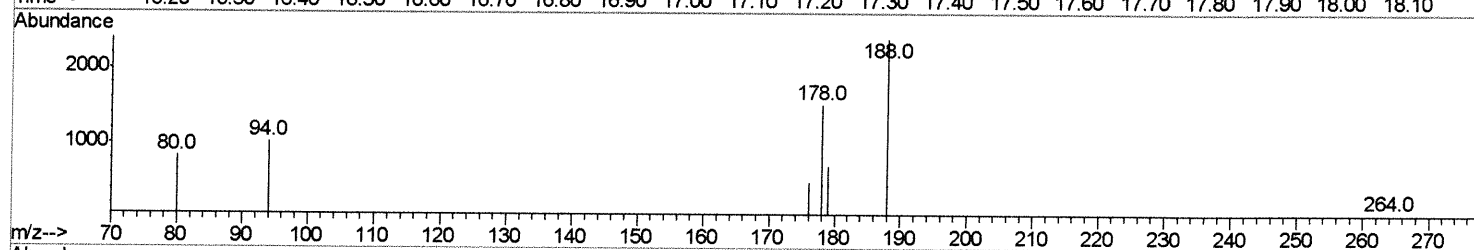
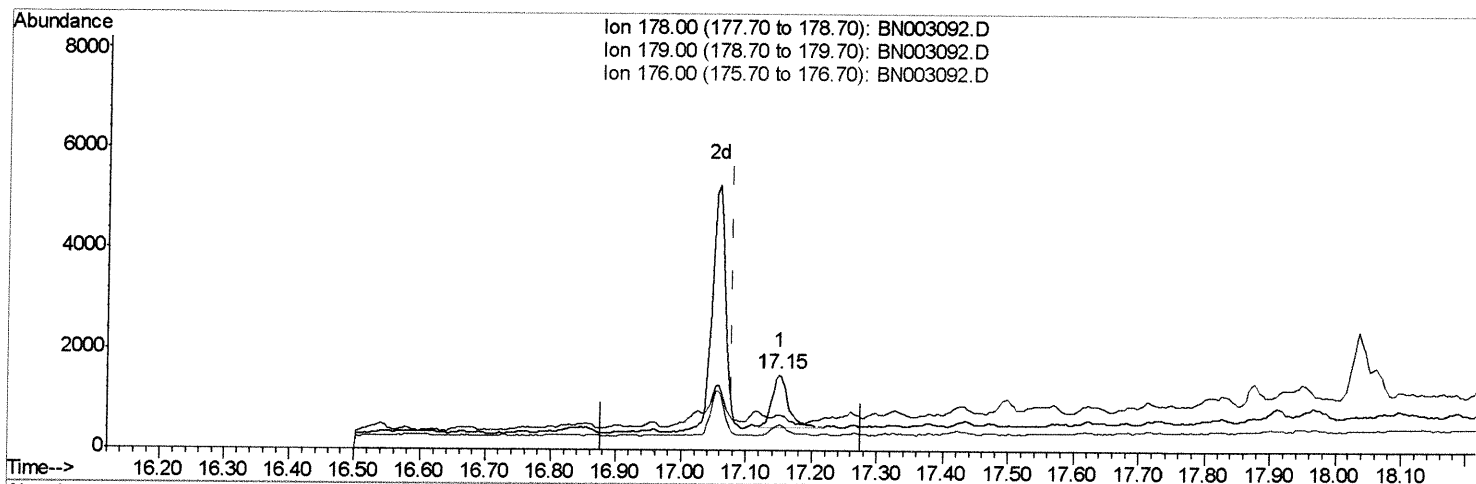
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Data File : BN003092.D
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Sample : J5295-11
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ClientSampled :
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Manual Integrations
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(12) Phenanthrene

17.149min (+0.072) 0.09ng/ul

response 1833

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	46.36#
176.00	19.30	32.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

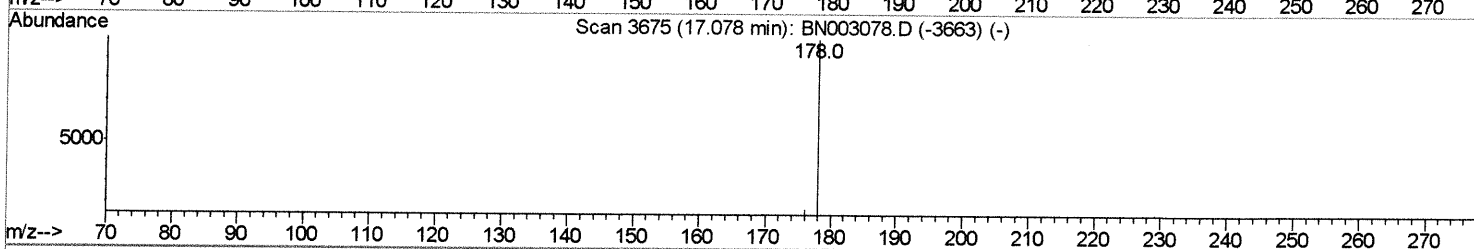
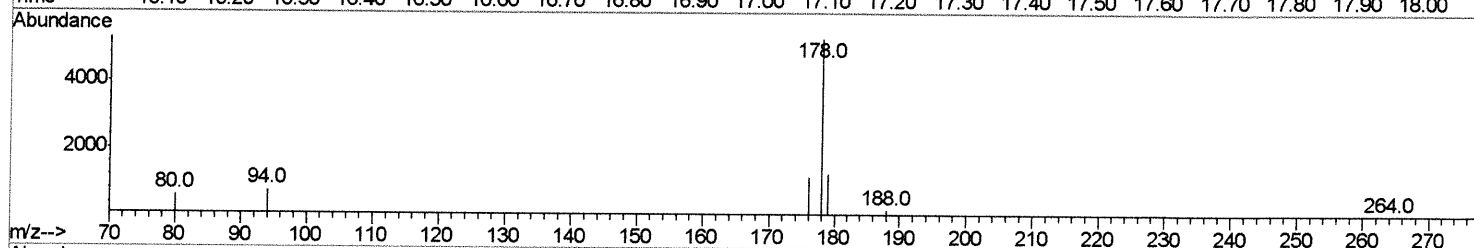
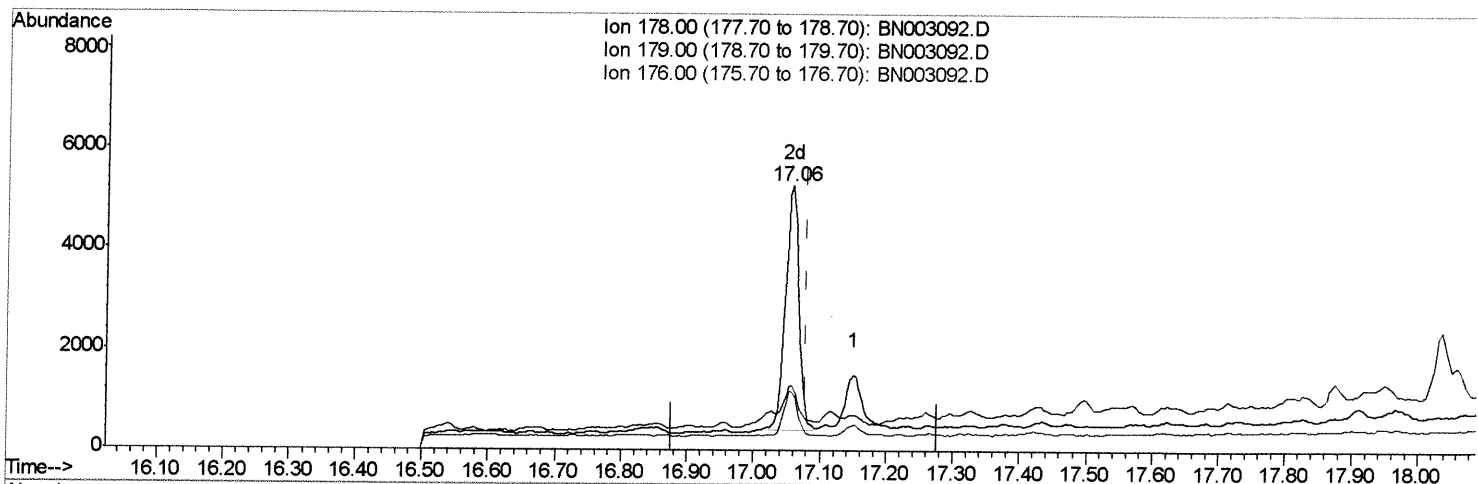
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 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 A3Z48

Manual Integrations
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TIC: BN003092.D

(12) Phenanthrene

17.056min (-0.021) 0.34ng/ul m

response 6890

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	24.35#
176.00	19.30	22.41
0.00	0.00	0.00

Quantitation Report (Qedit)

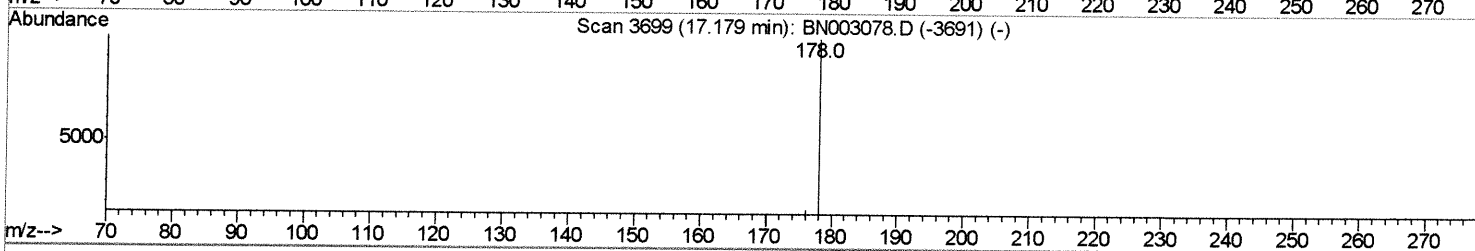
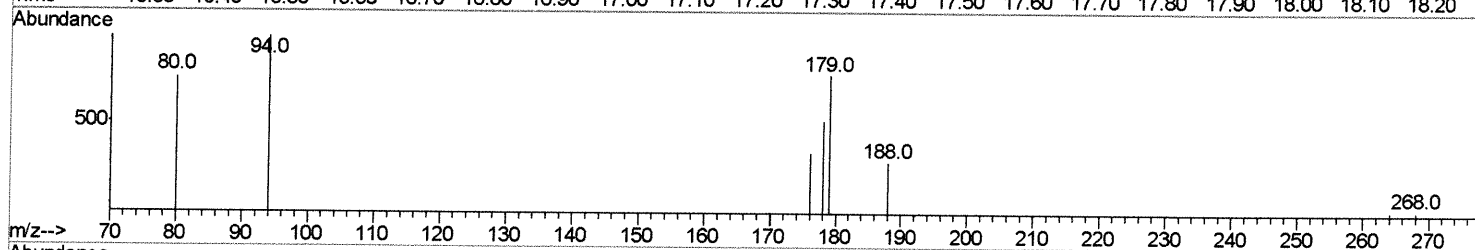
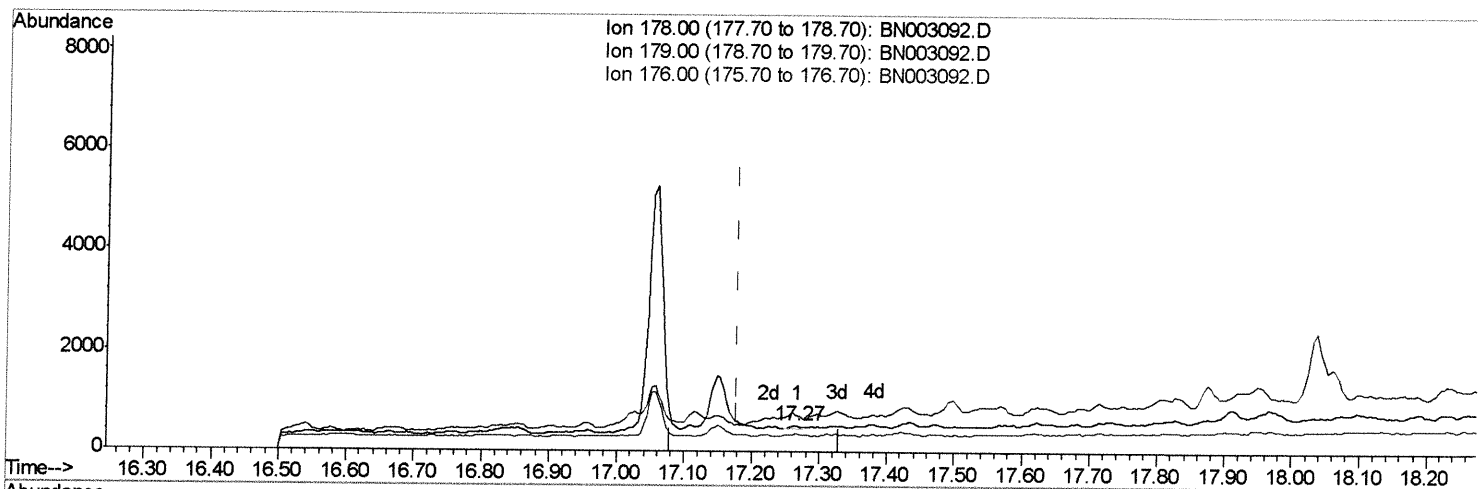
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Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

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TIC: BN003092.D

(13) Anthracene

17.268min (+0.089) 0.00ng/ul

response 65

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	143.50#
176.00	19.10	69.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

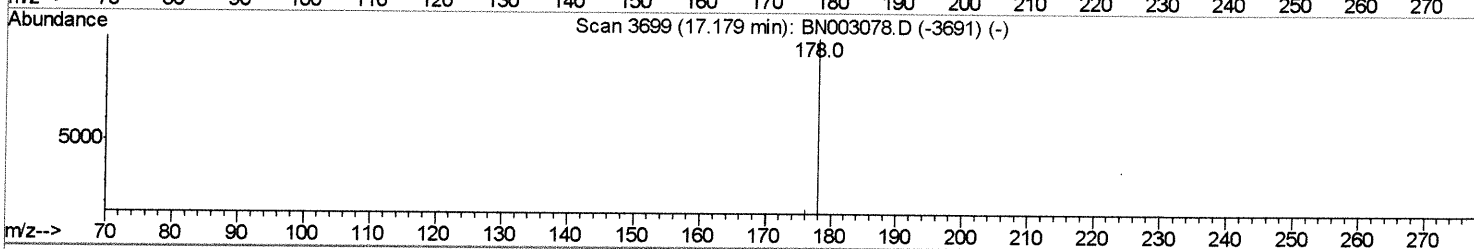
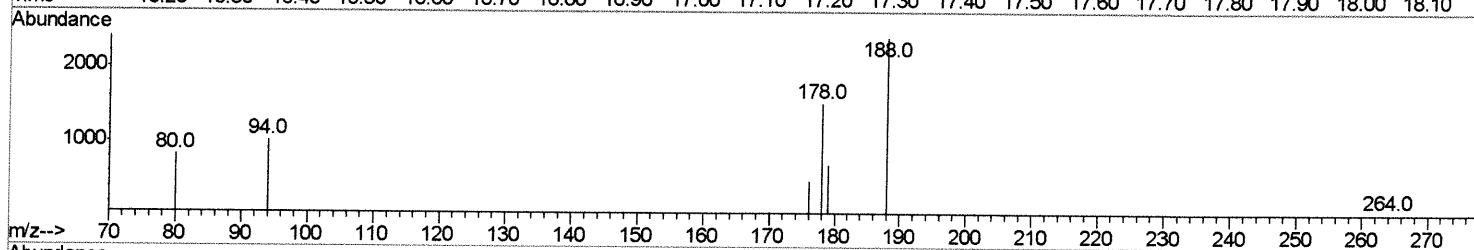
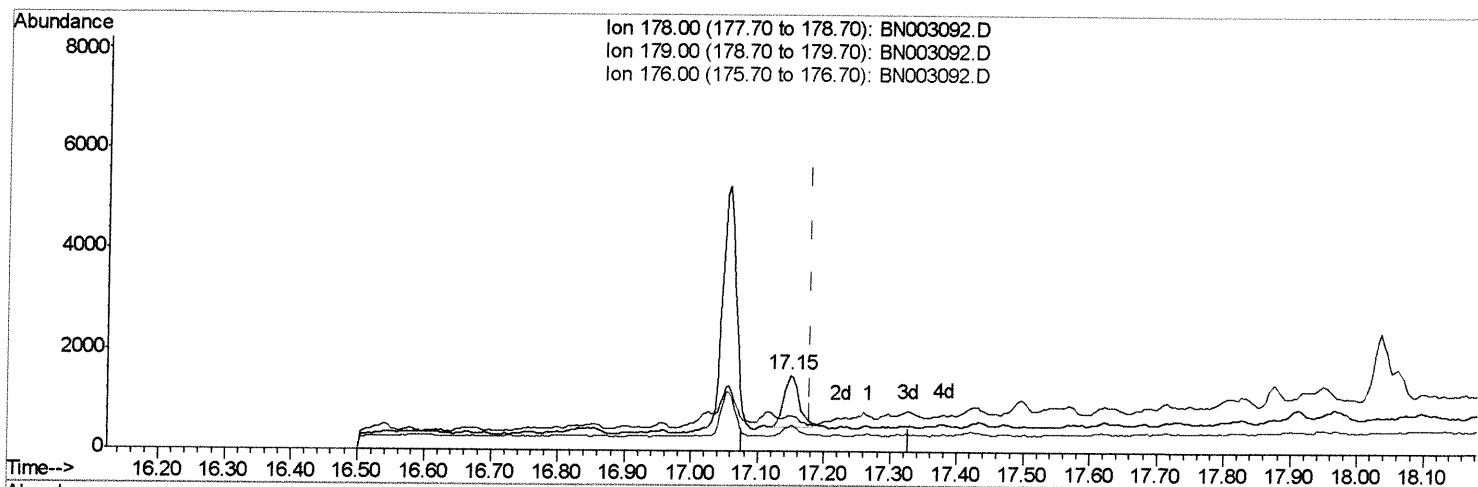
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Data File : BN003092.D
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Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
A3Z48

Manual Integrations
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TIC: BN003092.D

(13) Anthracene

17.149min (-0.030) 0.09ng/ul m

response 1696

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	46.36#
176.00	19.10	32.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

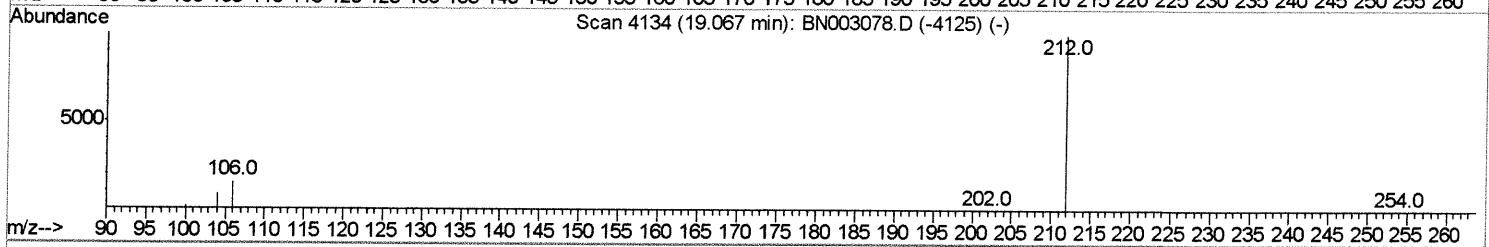
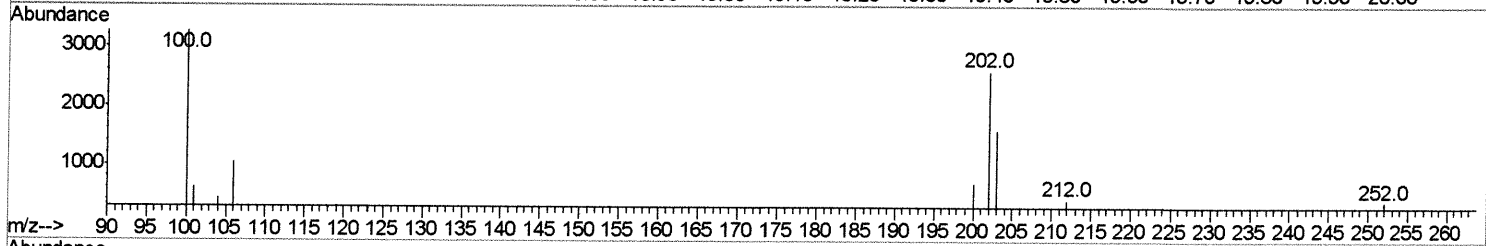
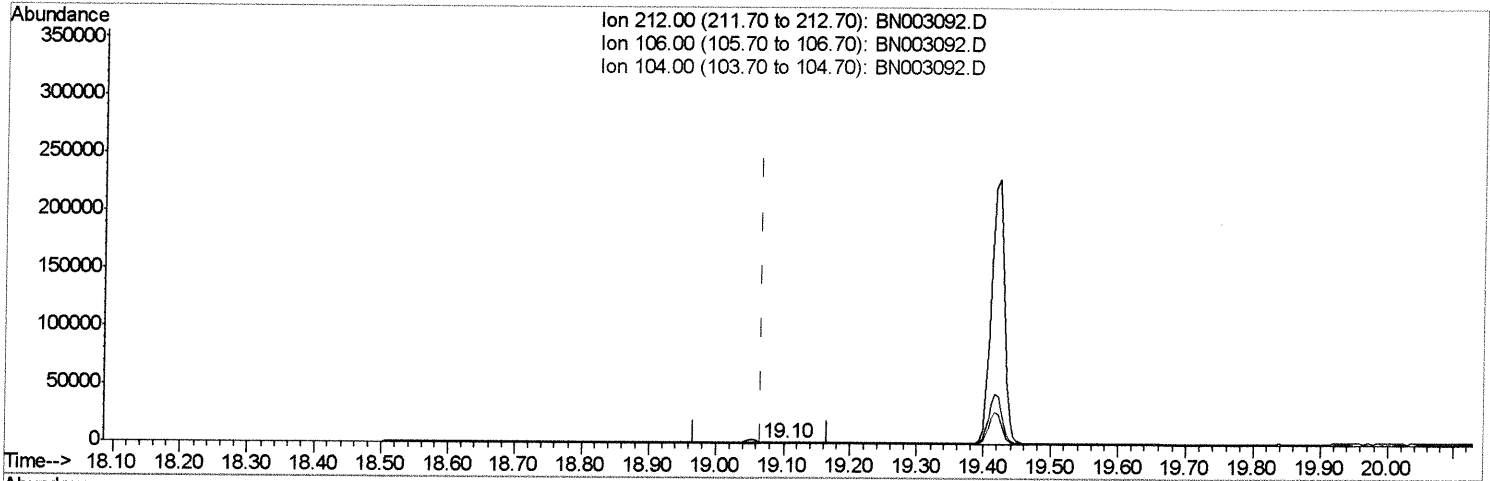
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003092.D
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 Operator : MJ/SJ
 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z48

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.104min (+0.037) 0.01ng/ul

response 193

Ion	Exp%	Act%
212.00	100	100
106.00	15.40	0.00#
104.00	8.60	9.33
0.00	0.00	0.00

Quantitation Report (Qedit)

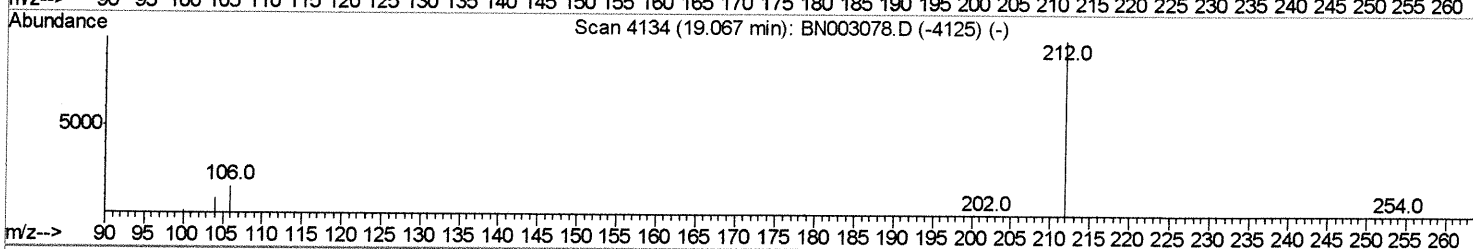
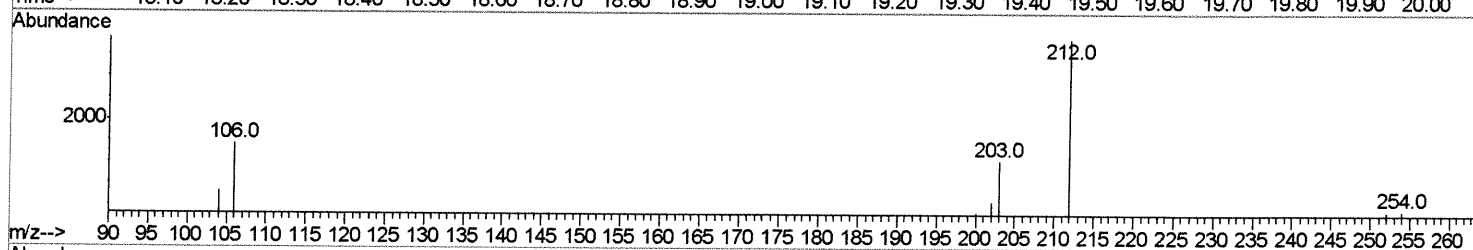
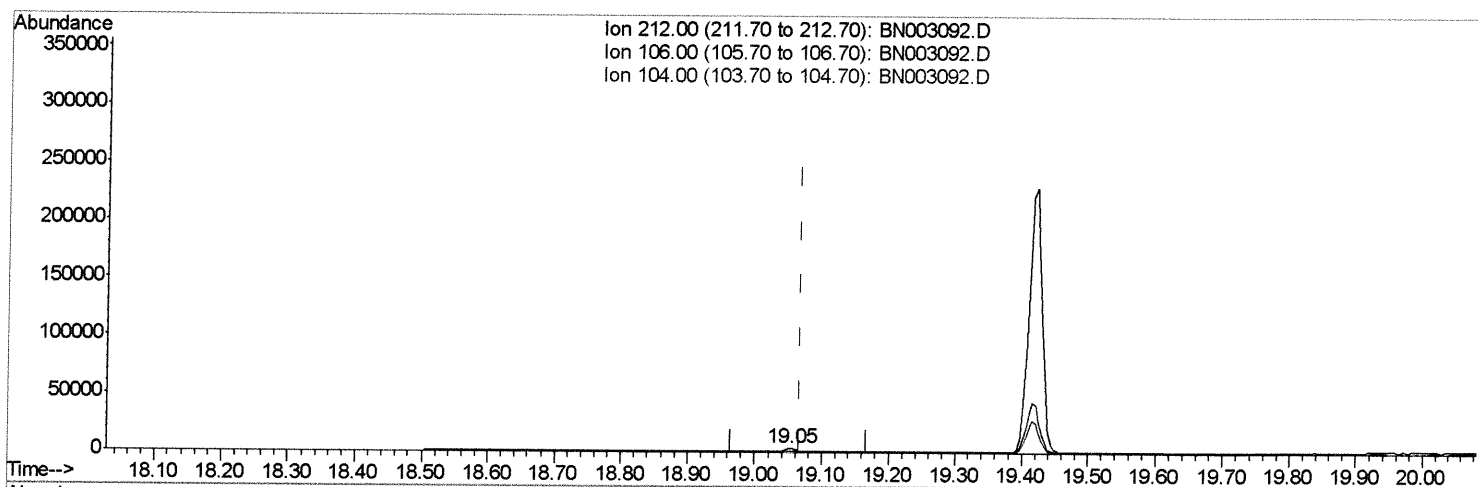
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:11:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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TIC: BN003092.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.014) 0.27ng/ul m

response 5488

Ion	Exp%	Act%
212.00	100	100
106.00	15.40	0.00#
104.00	8.60	0.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

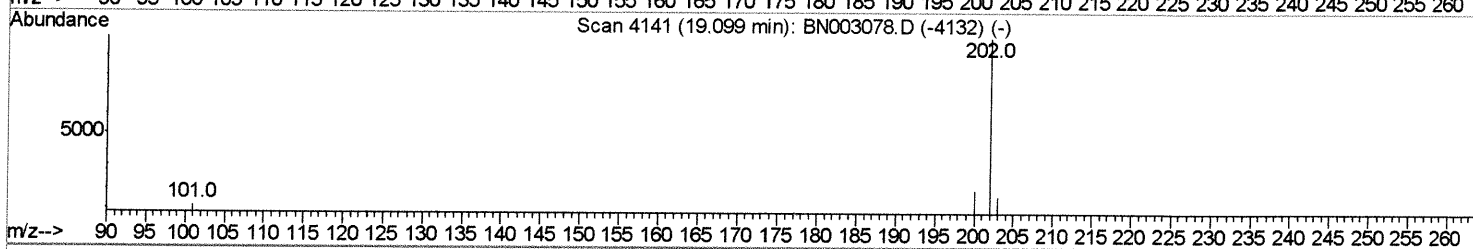
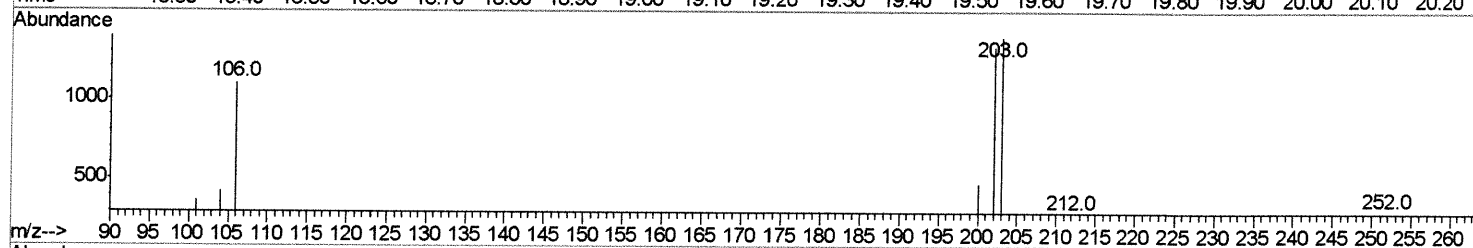
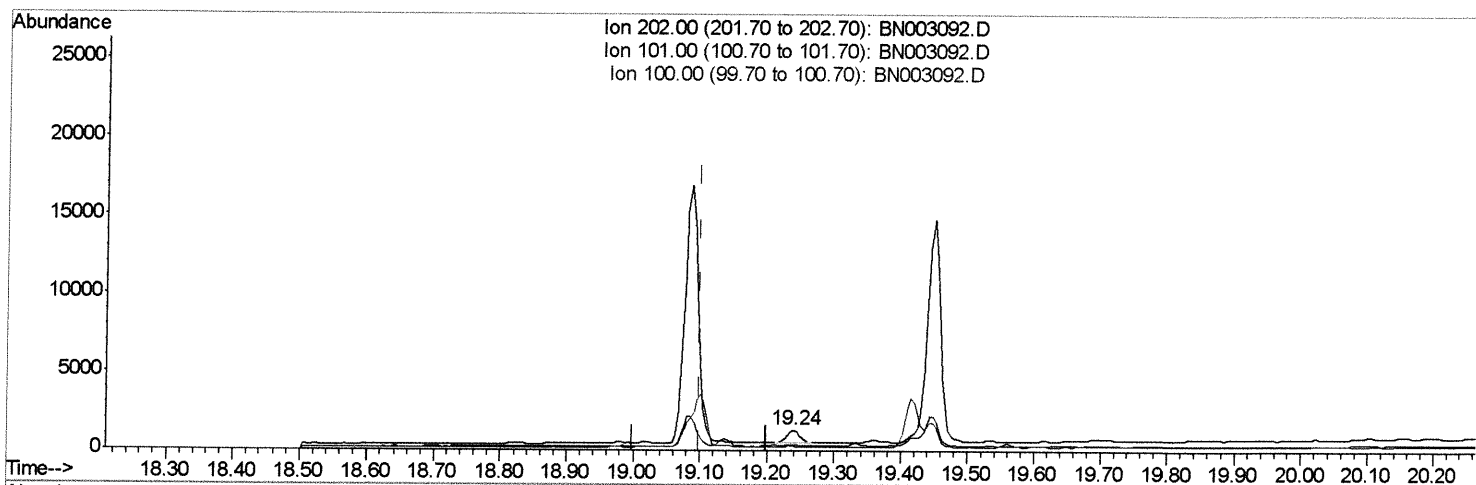
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
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Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

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TIC: BN003092.D

(15) Fluoranthene (C)

19.239min (+0.139) 0.05ng/ul

response 1128

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	27.65
100.00	9.10	22.09
0.00	0.00	0.00

Quantitation Report (Qedit)

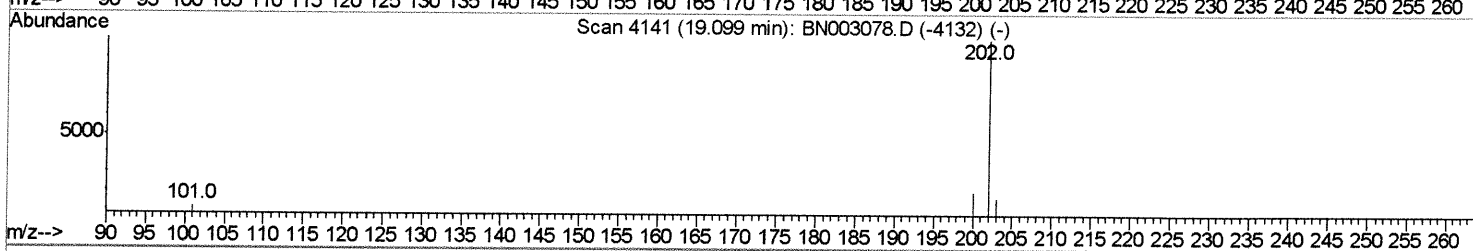
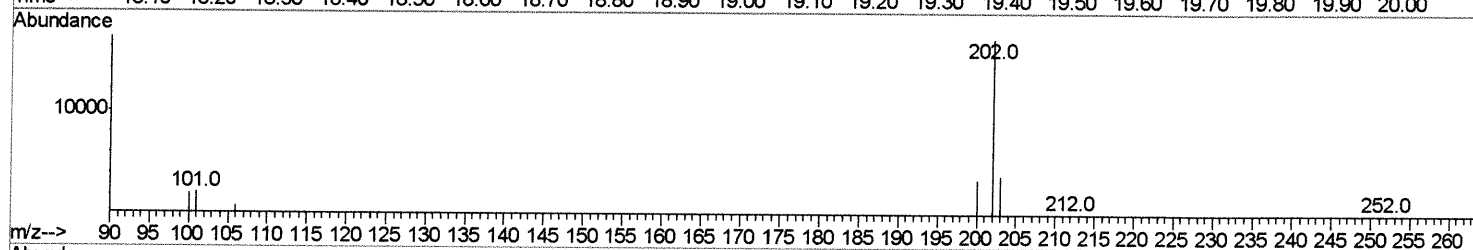
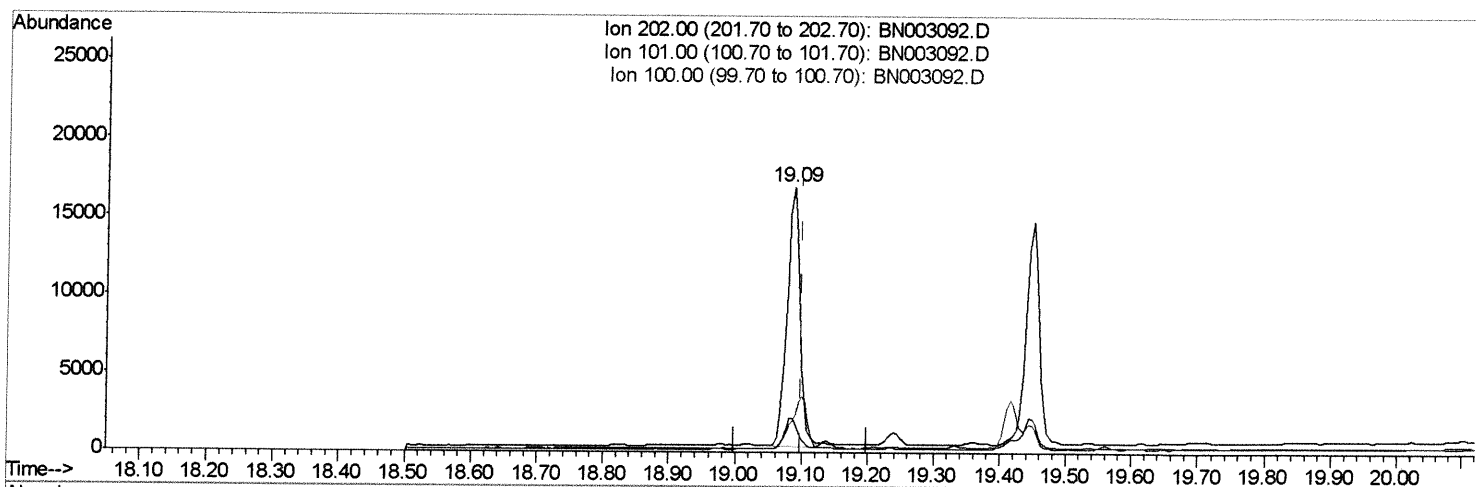
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Data File : BN003092.D
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Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

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TIC: BN003092.D

(15) Fluoranthene (C)

19.085min (-0.014) 0.97ng/ul m

response 22696

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.80
100.00	9.10	12.11
0.00	0.00	0.00

Quantitation Report (Qedit)

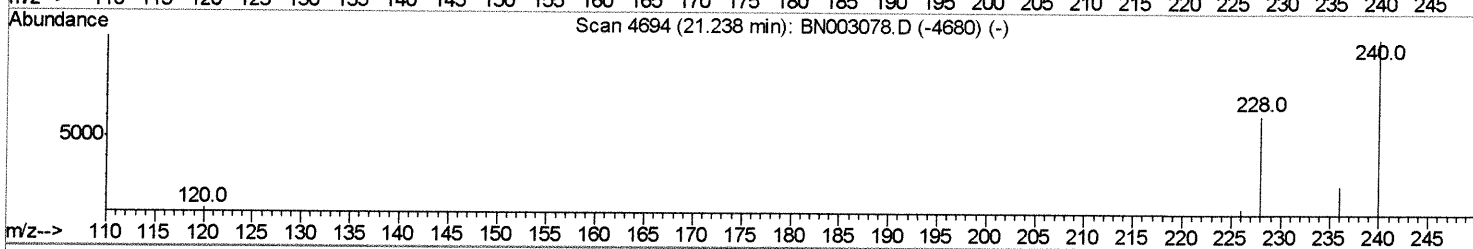
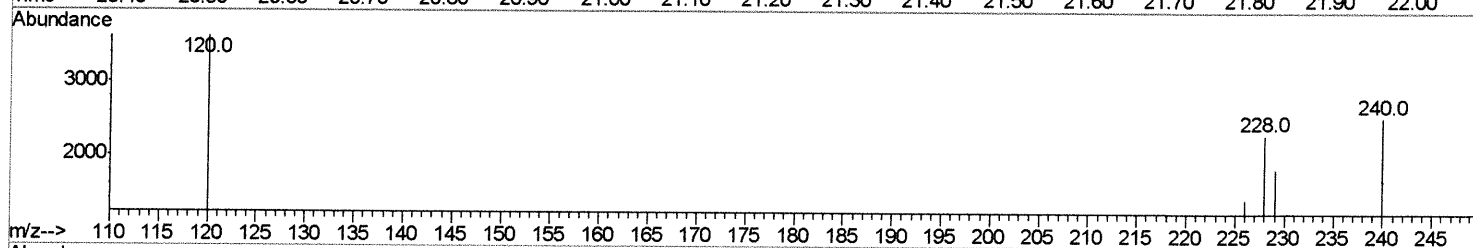
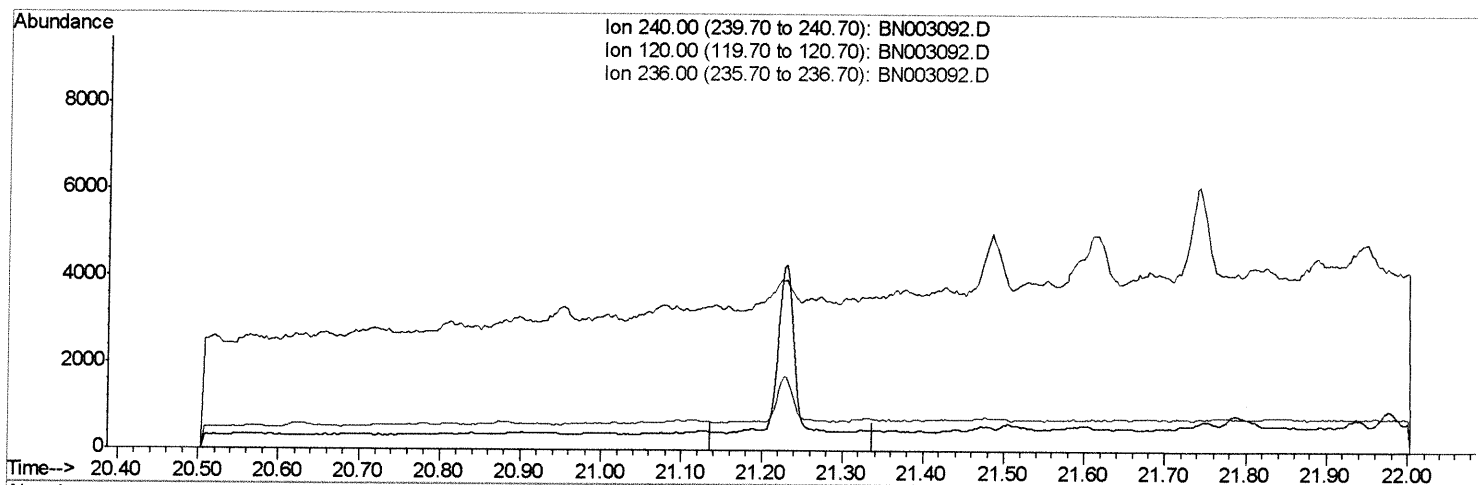
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(16) Chrysene-d12 (I)

21.238min (-21.238) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.40	0.00#
236.00	28.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

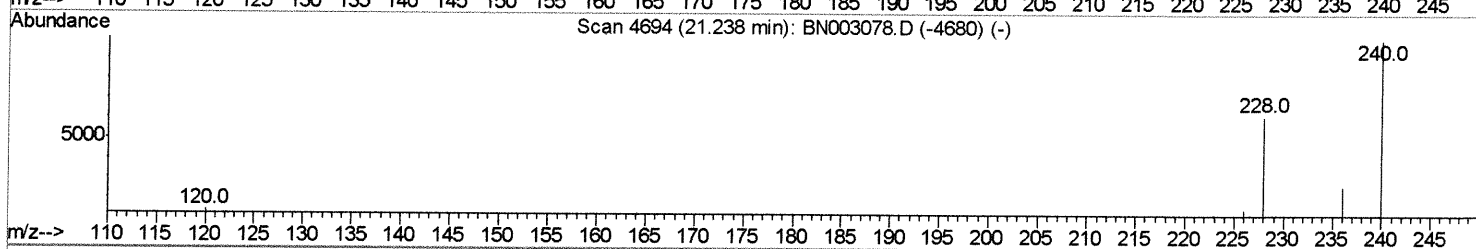
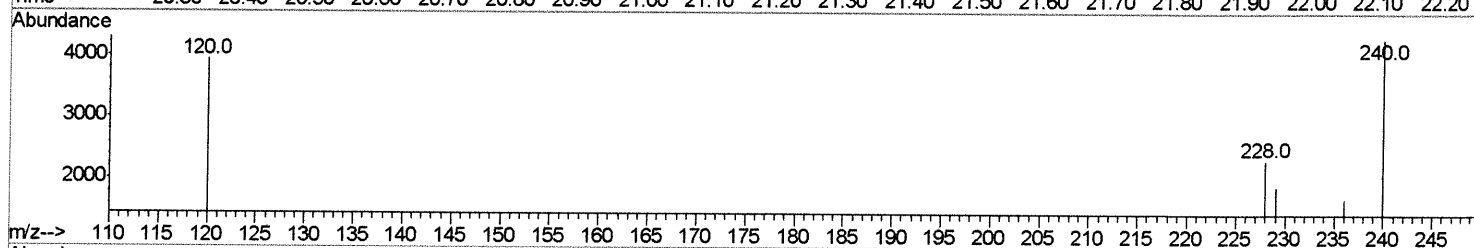
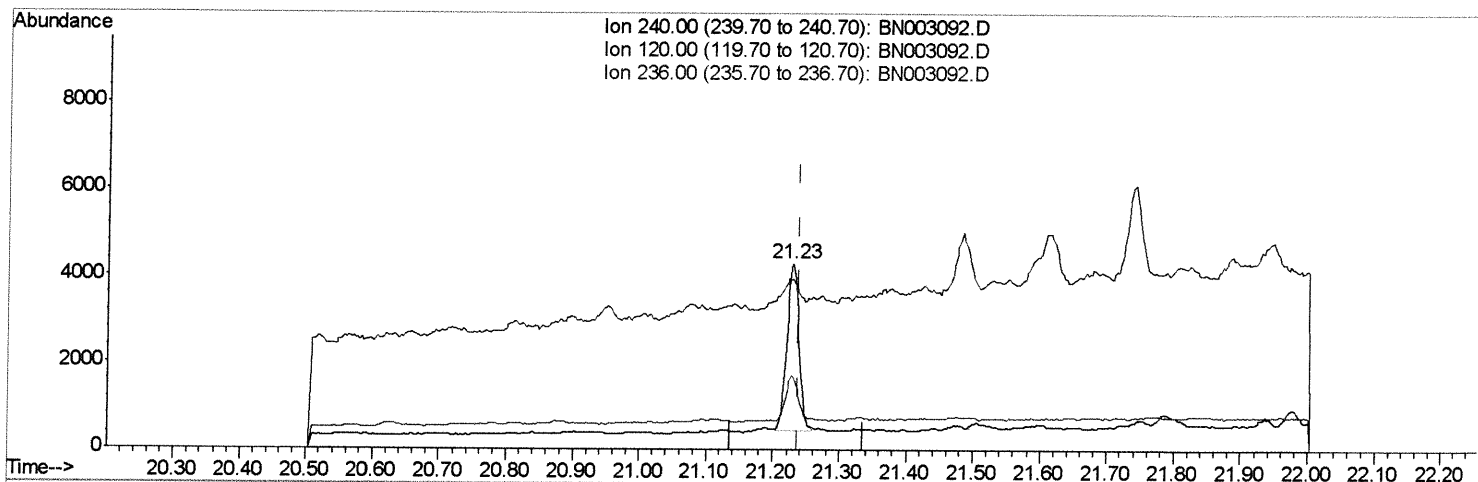
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TIC: BN003092.D

(16) Chrysene-d12 (I)

21.229min (-0.009) 0.40ng/ul m

response 4890

Ion	Exp%	Act%
240.00	100	100
120.00	16.40	92.01#
236.00	28.10	39.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

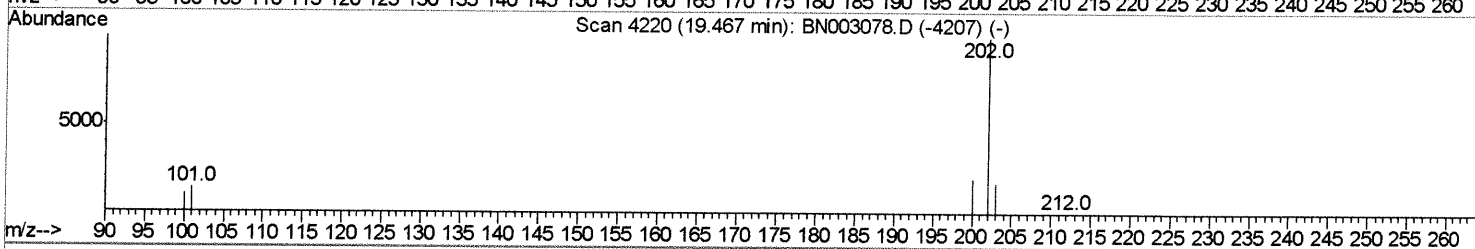
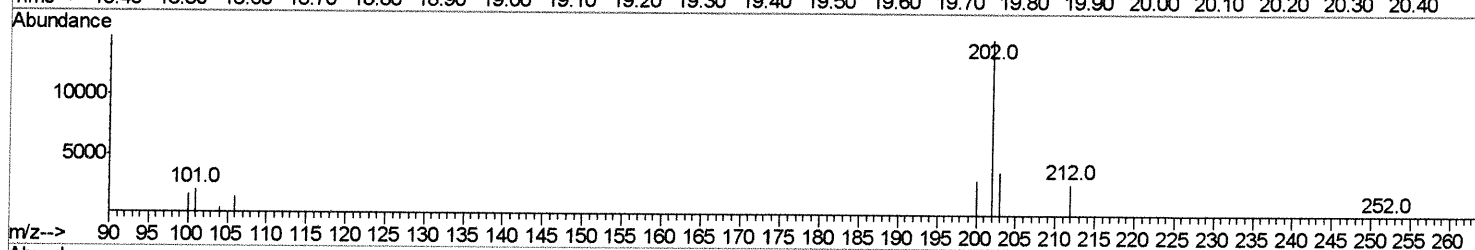
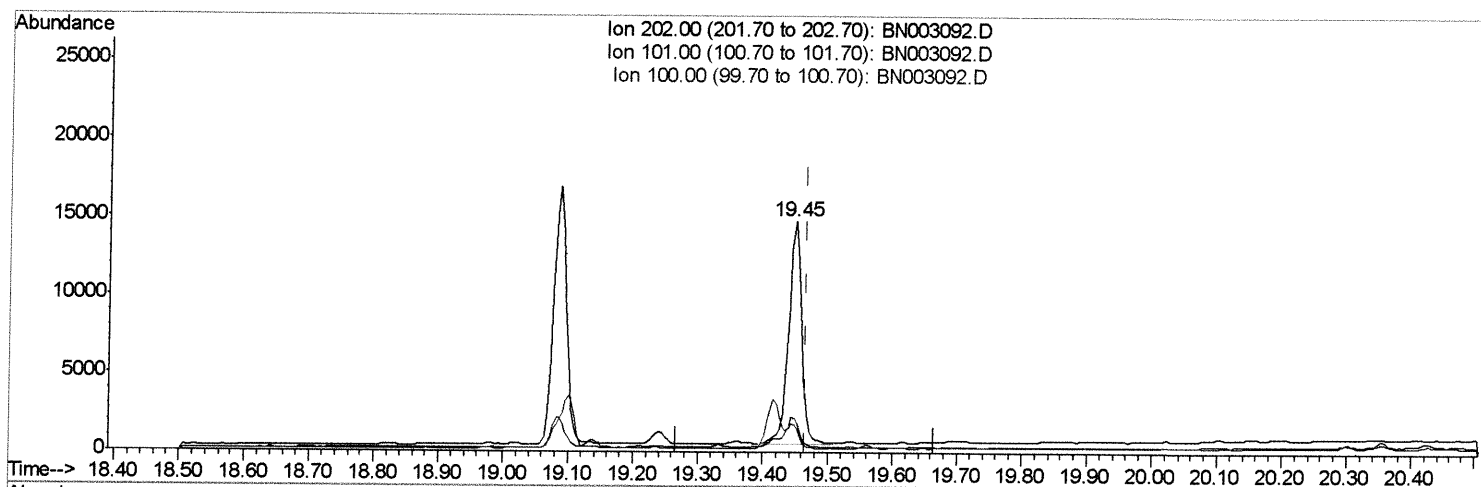
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TIC: BN003092.D

(17) Pyrene

19.448min (-0.019) 1.05ng/ui

response 20025

Ion	Exp%	Act%
202.00	100	100
101.00	14.90	14.87
100.00	12.40	12.19
0.00	0.00	0.00

Quantitation Report (Qedit)

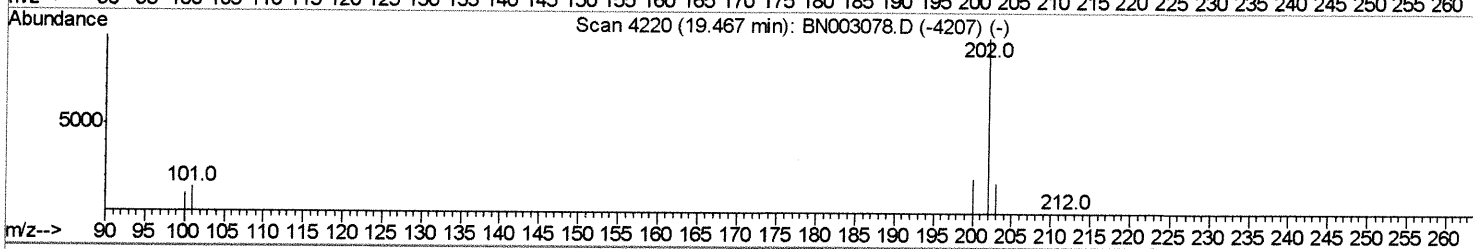
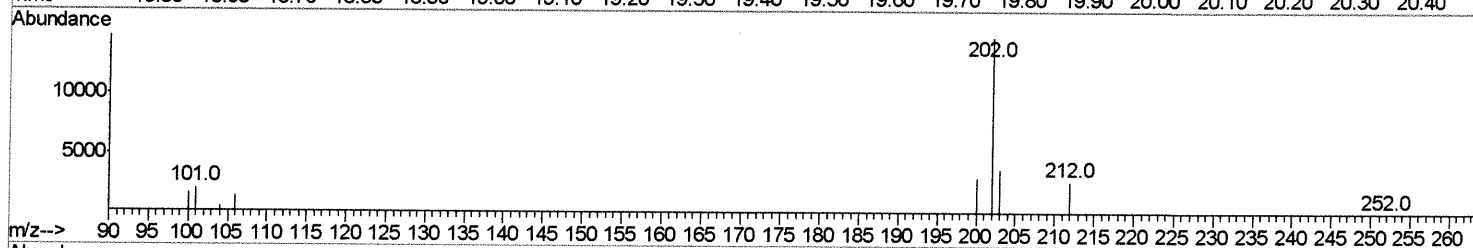
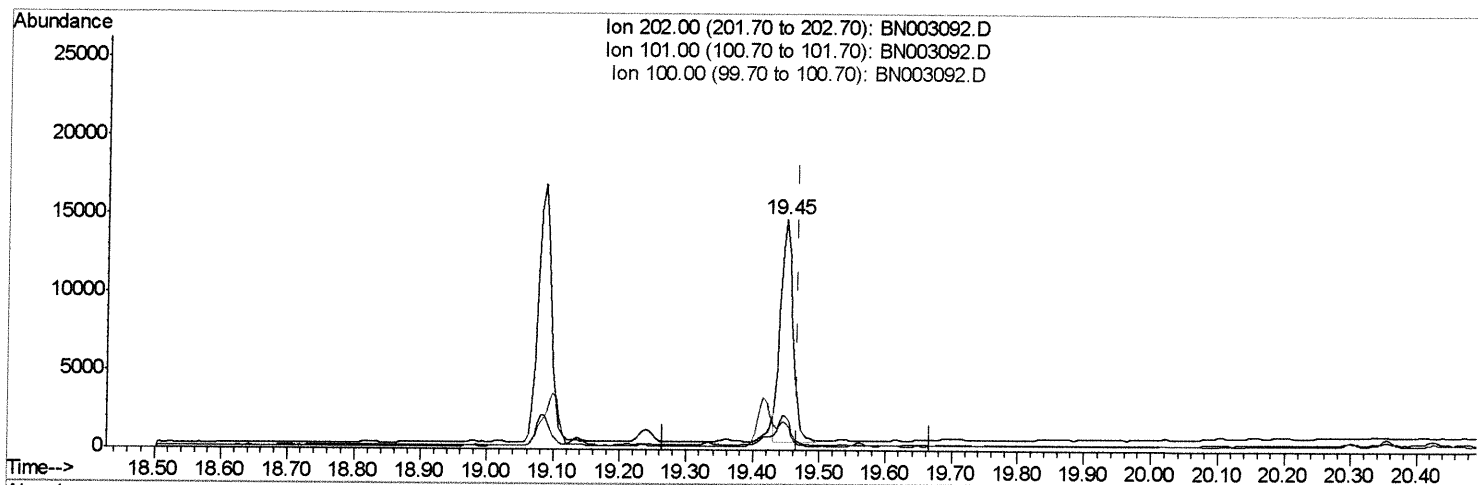
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:12:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 08:10:30 2018
Response via : Initial Calibration



TIC: BN003092.D

(17) Pyrene

19.448min (-0.019) 0.99ng/ul m

response 18864

Ion	Exp%	Act%
202.00	100	100
101.00	14.90	14.87
100.00	12.40	12.19
0.00	0.00	0.00

Quantitation Report (Qedit)

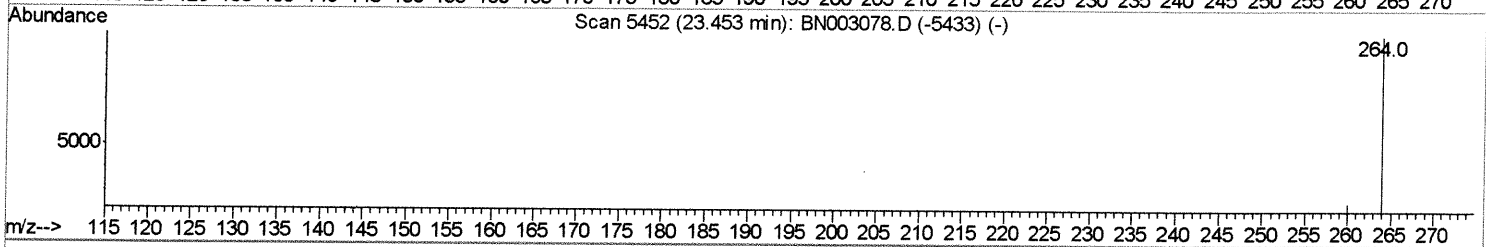
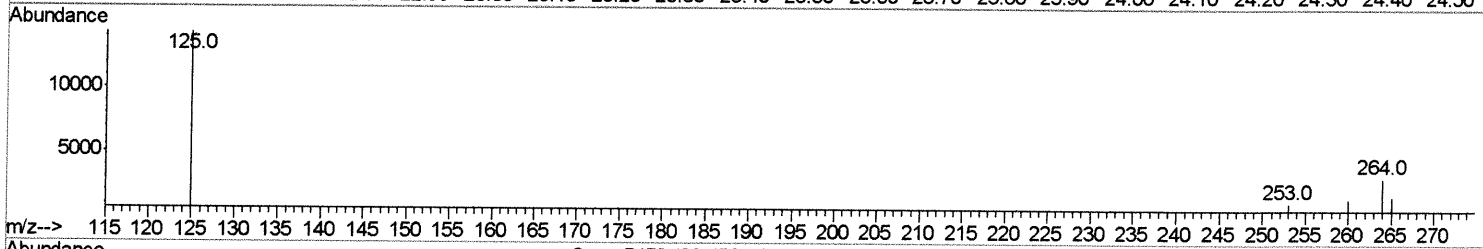
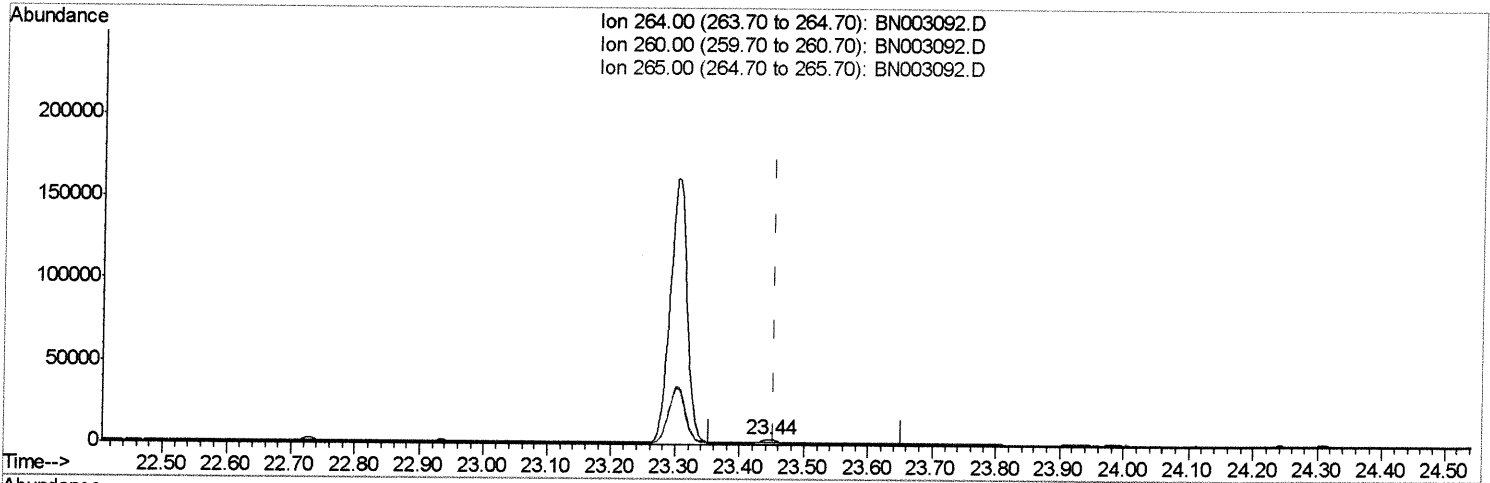
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003092.D
 Acq On : 11 Oct 2018 07:39
 Operator : MJ/SJ
 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 A3Z48

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:12:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 08:10:30 2018
 Response via : Initial Calibration



TIC: BN003092.D

(20) Perylene-d12 (I)

23.444min (-0.009) 0.40ng/ul

response 5669

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	49.00#
265.00	45.40	54.36
0.00	0.00	0.00

Quantitation Report (Qedit)

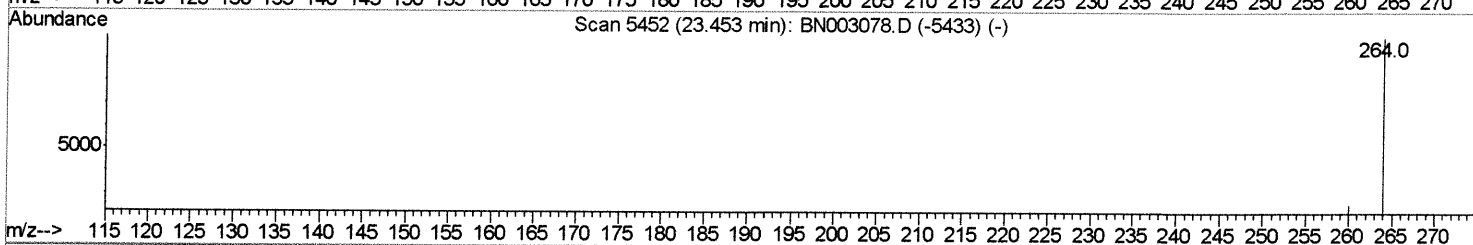
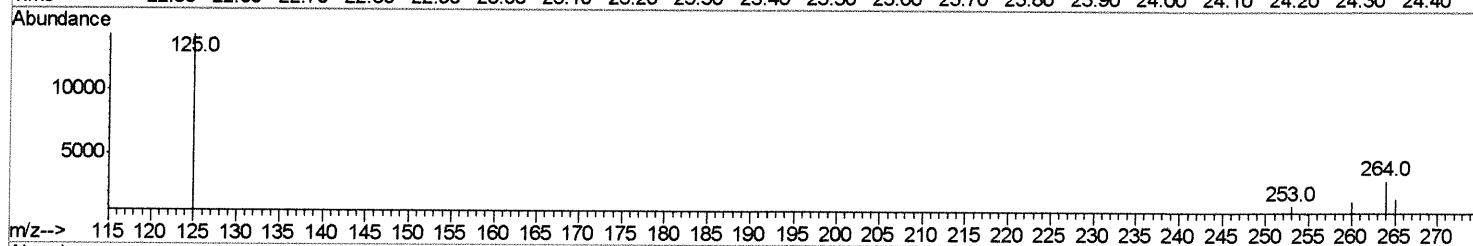
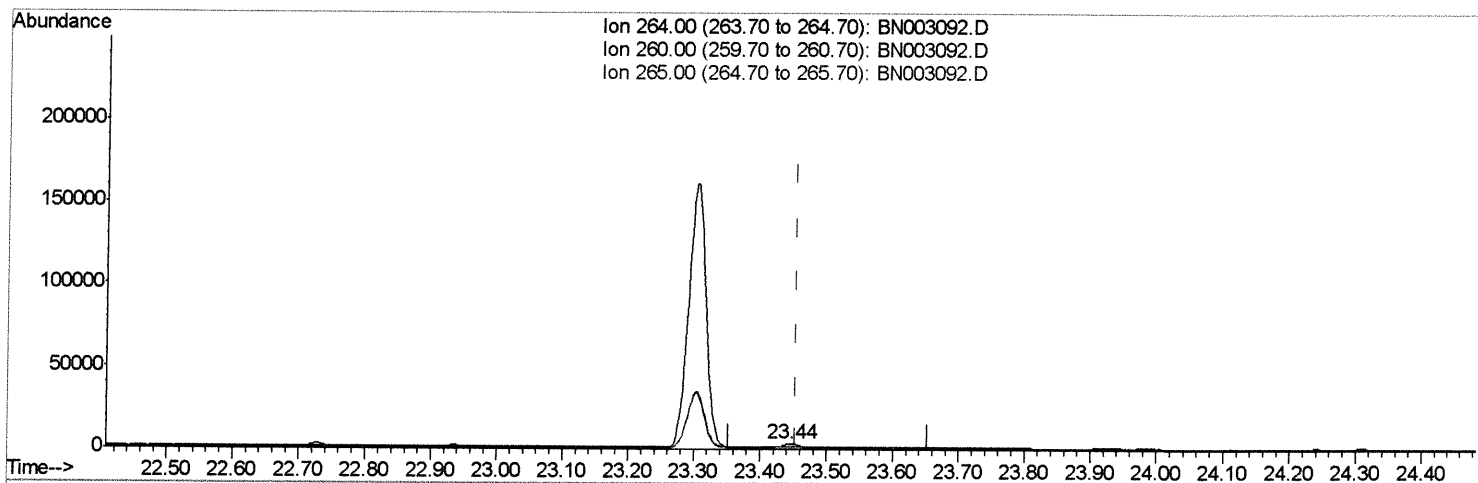
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:12:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 08:10:30 2018
Response via : Initial Calibration



TIC: BN003092.D

(20) Perylene-d12 (I)

23.444min (-0.009) 0.40ng/ul m

response 4949

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	49.00#
265.00	45.40	54.36
0.00	0.00	0.00

Quantitation Report (Qedit)

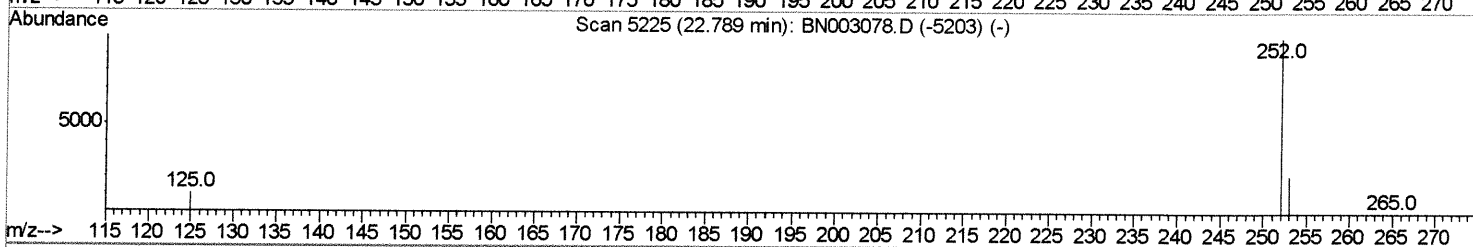
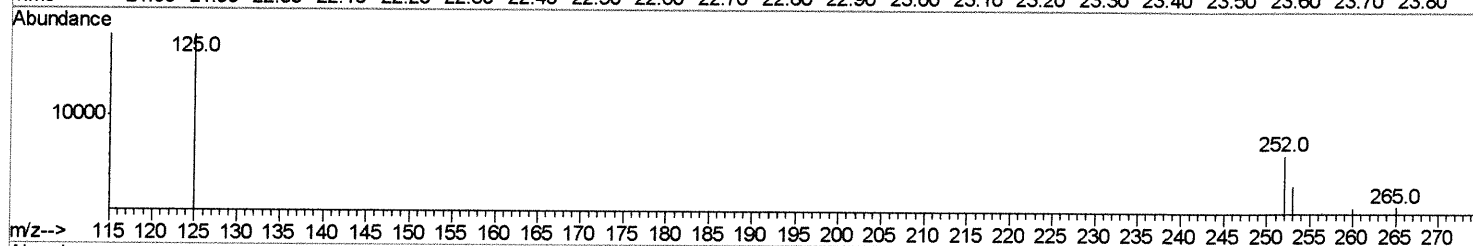
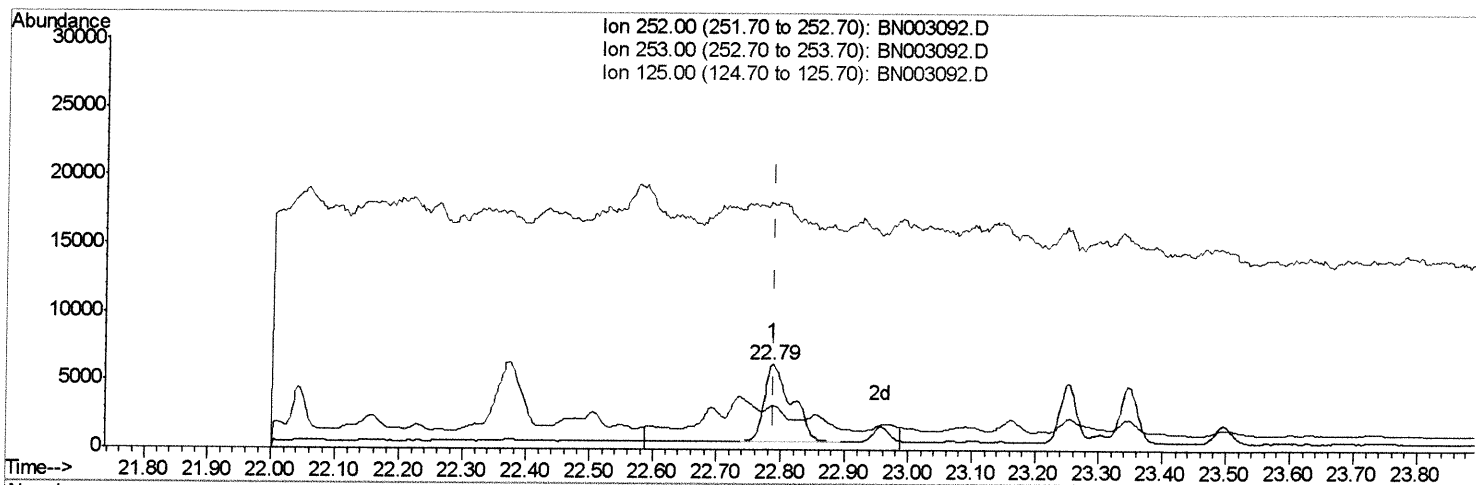
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003092.D
Acq On : 11 Oct 2018 07:39
Operator : MJ/SJ
Sample : J5295-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3Z48

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:13:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 08:10:30 2018
Response via : Initial Calibration



TIC: BN003092.D

(21) Benzo(b)fluoranthene

22.786min (-0.003) 0.94ng/ul

response 16786

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	51.95
125.00	17.10	288.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

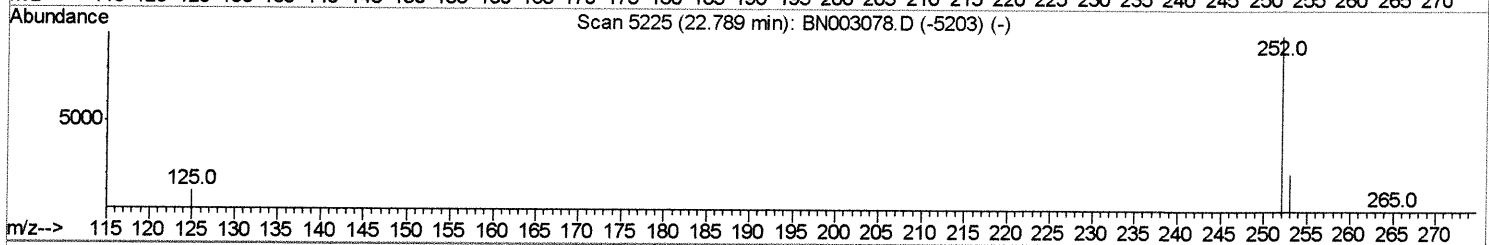
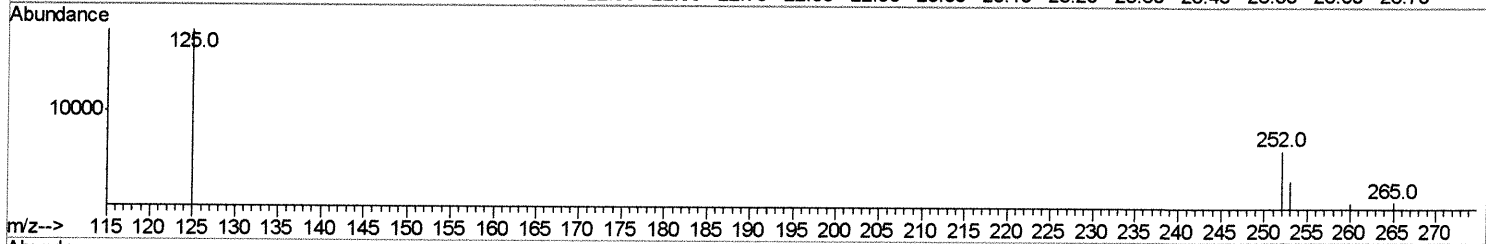
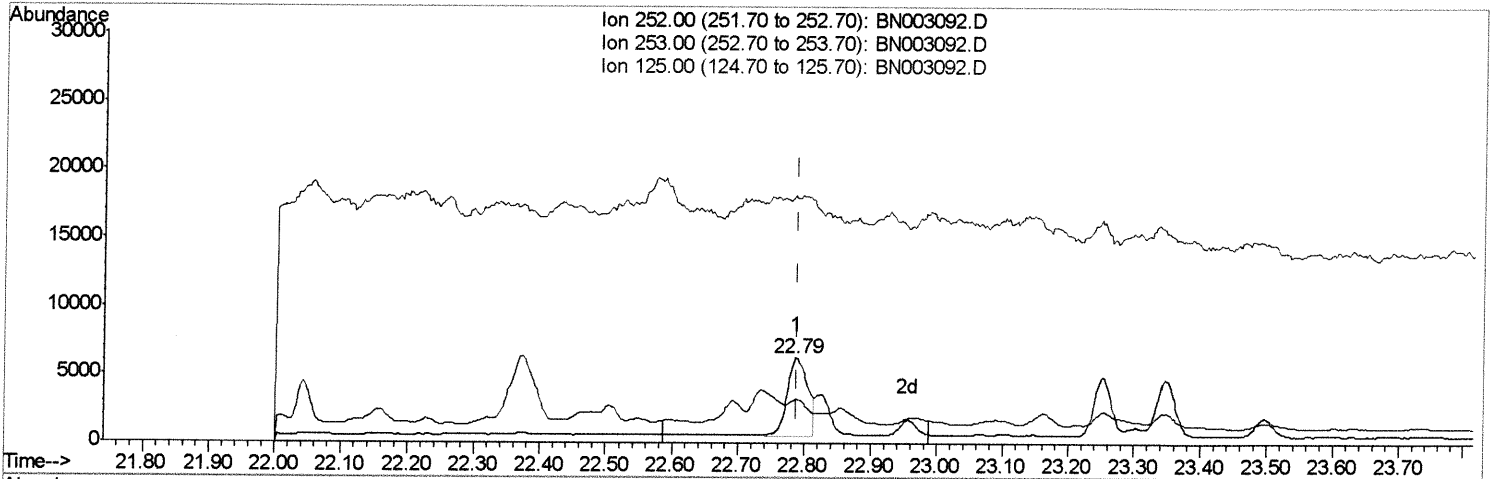
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003092.D
 Acq On : 11 Oct 2018 07:39
 Operator : MJ/SJ
 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z48

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:13:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 08:10:30 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.786min (-0.003) 0.70ng/ul m

response 12395

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	51.95
125.00	17.10	288.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

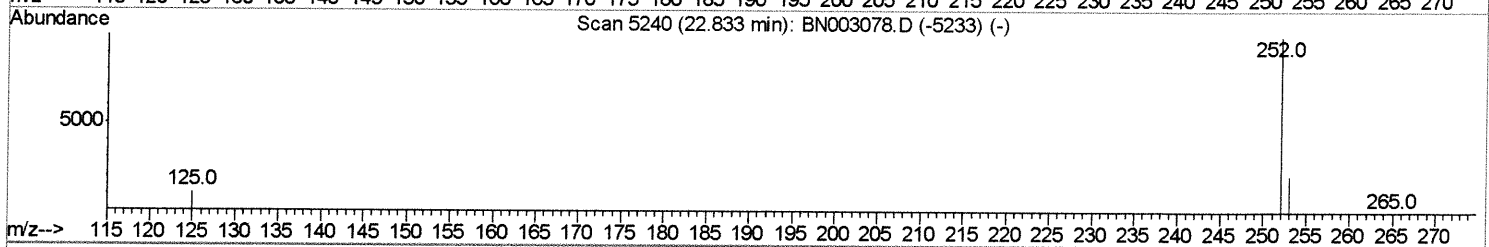
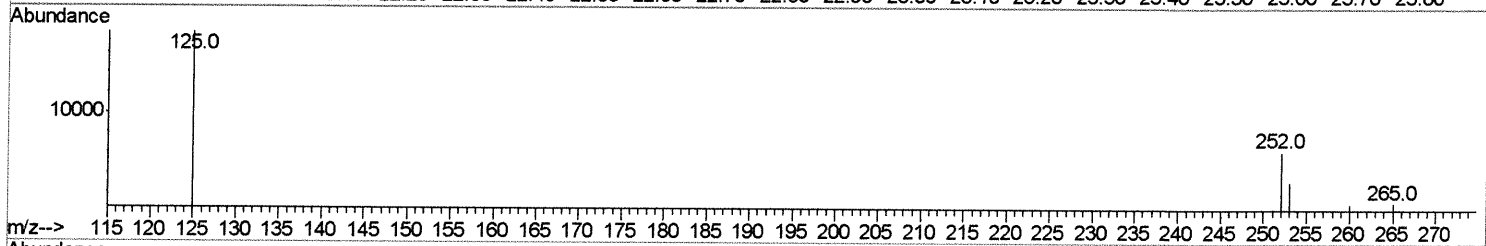
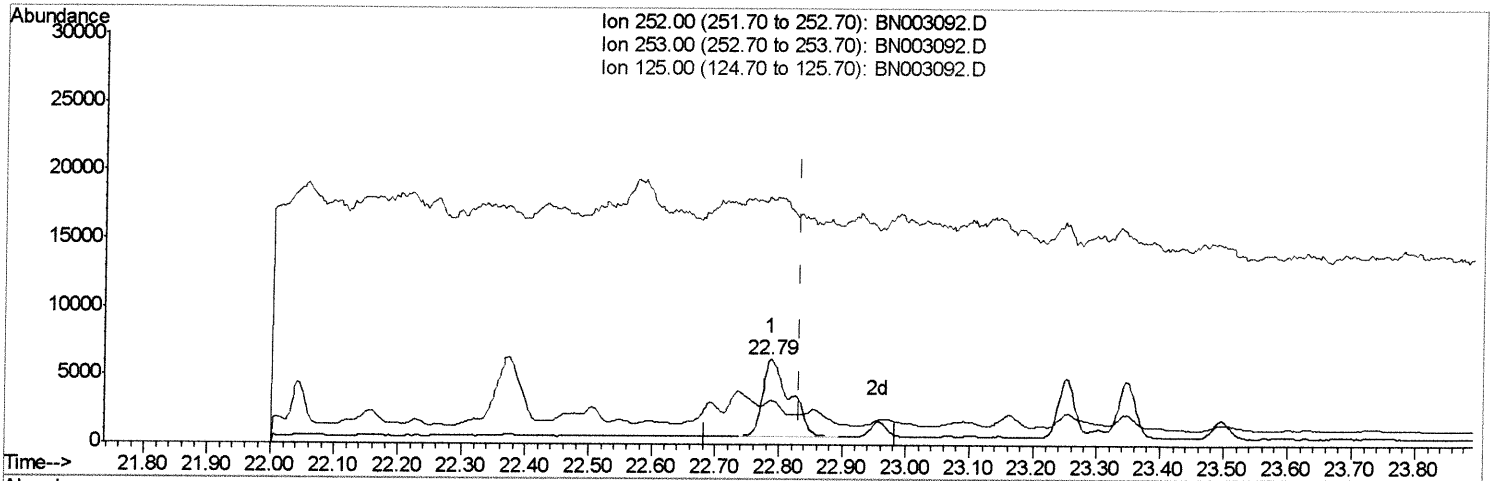
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003092.D
 Acq On : 11 Oct 2018 07:39
 Operator : MJ/SJ
 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z48

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:13:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 08:10:30 2018
 Response via : Initial Calibration



TIC: BN003092.D

(22) Benzo(k)fluoranthene

22.786min (-0.047) 0.91ng/ul

response 16786

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	51.95#
125.00	17.60	288.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

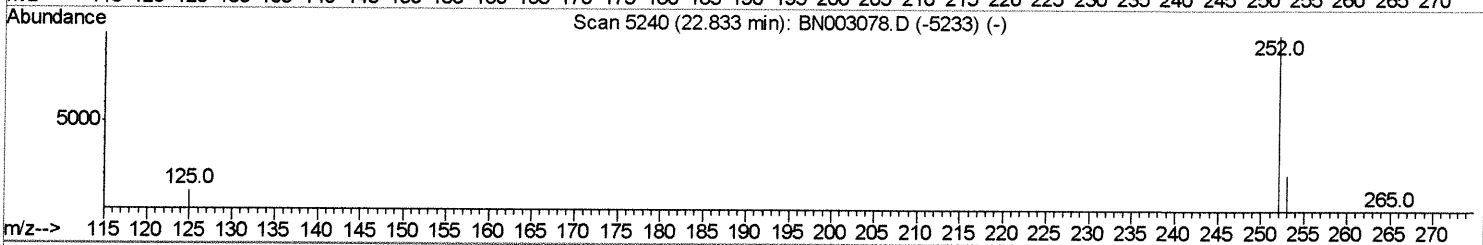
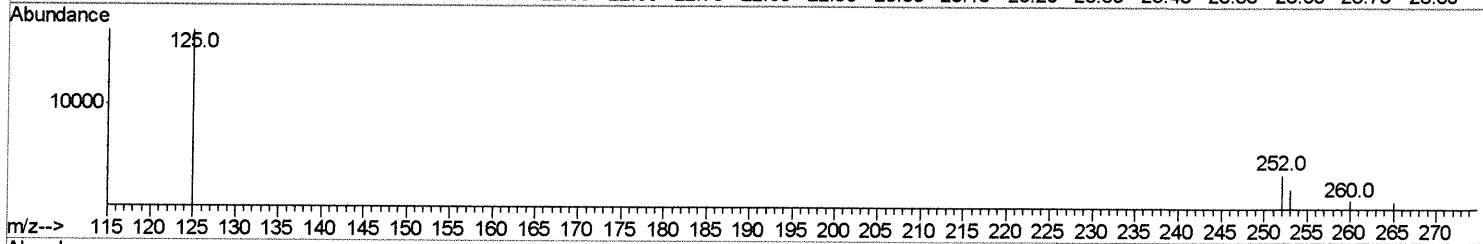
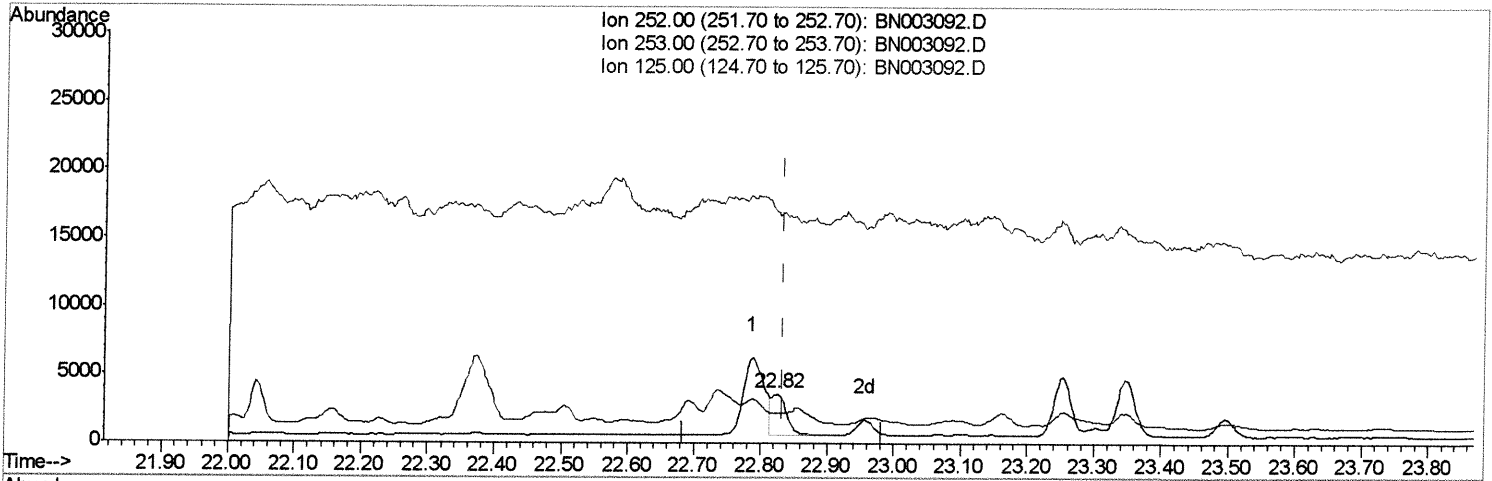
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003092.D
 Acq On : 11 Oct 2018 07:39
 Operator : MJ/SJ
 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z48

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:13:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 08:10:30 2018
 Response via : Initial Calibration



TIC: BN003092.D

(22) Benzo(k)fluoranthene

22.825min (-0.009) 0.26ng/ul m

response 4799

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	61.37#
125.00	17.60	464.62#
0.00	0.00	0.00

Handwritten signature/initials
 10/12/18

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003092.D
 Acq On : 11 Oct 2018 07:39
 Operator : MJ/SJ
 Sample : J5295-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z48

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:05 PM

Quant Time: Oct 11 09:14:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 08:10:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2104	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	8054	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	4125	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.01	188	7168m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4890m	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4949m	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.00	152	3225	0.26	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	5488m	0.27	ng/ul	-0.01

Target Compounds

					Ovalue	
7) Acenaphthylene	13.98	152	1637	0.087	ng/ul#	55
12) Phenanthrene	17.06	178	6890m	0.345	ng/ul	
13) Anthracene	17.15	178	1696m	0.090	ng/ul	
15) Fluoranthene	19.09	202	22696m	0.968	ng/ul	
17) Pyrene	19.45	202	18864m	0.993	ng/ul	
18) Benzo(a)anthracene	21.21	228	10184	0.647	ng/ul#	79
19) Chrysene	21.26	228	10069	0.630	ng/ul#	78
21) Benzo(b)fluoranthene	22.79	252	12395m	0.695	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	4799m	0.260	ng/ul	
23) Benzo(a)pyrene	23.34	252	7944	0.497	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.67	276	6463	0.352	ng/ul#	78
26) Benzo(g,h,i)perylene	26.34	276	6631	0.428	ng/ul#	32

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