

(QT Reviewed)

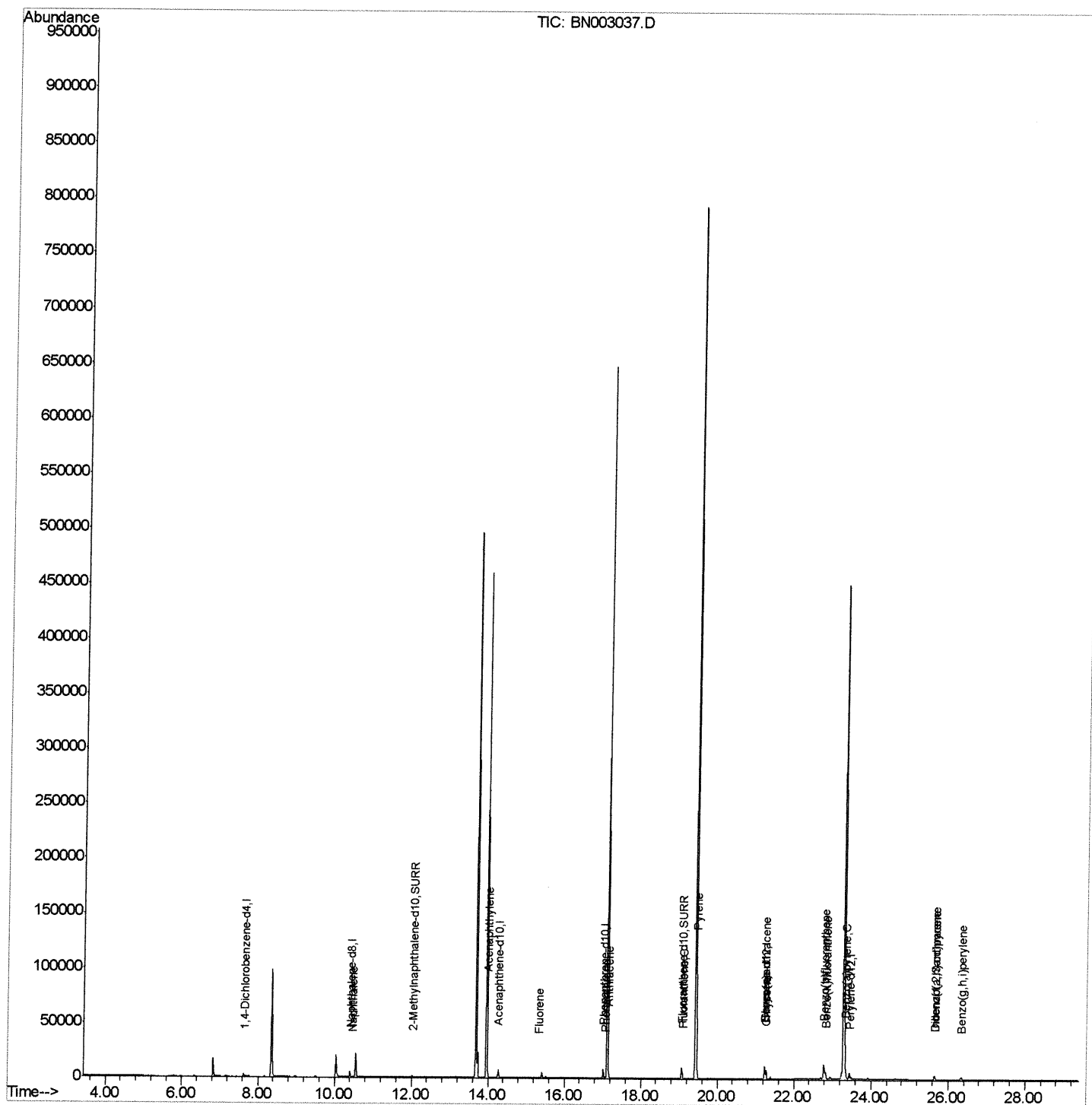
```
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\  
Data File : BN003037.D  
Acq On    : 09 Oct 2018   21:16  
Operator   : MJ/SJ  
Sample     : J5157-07  
Misc      :  
ALS Vial   : 10      Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:03:52 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 : Wed Oct 10 01:34:31 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

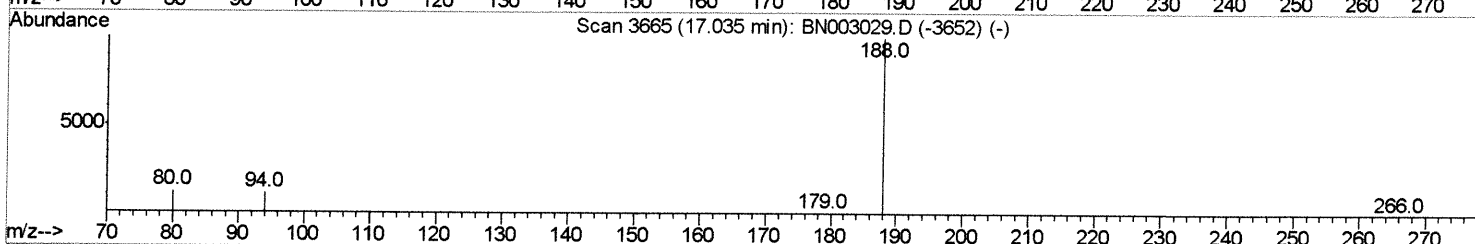
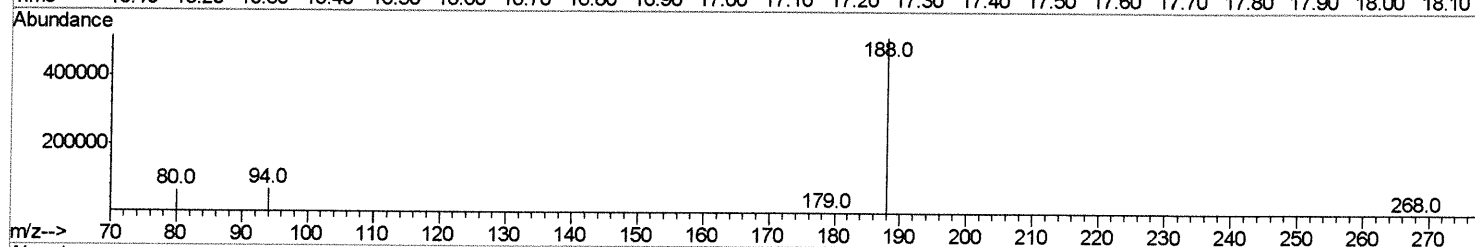
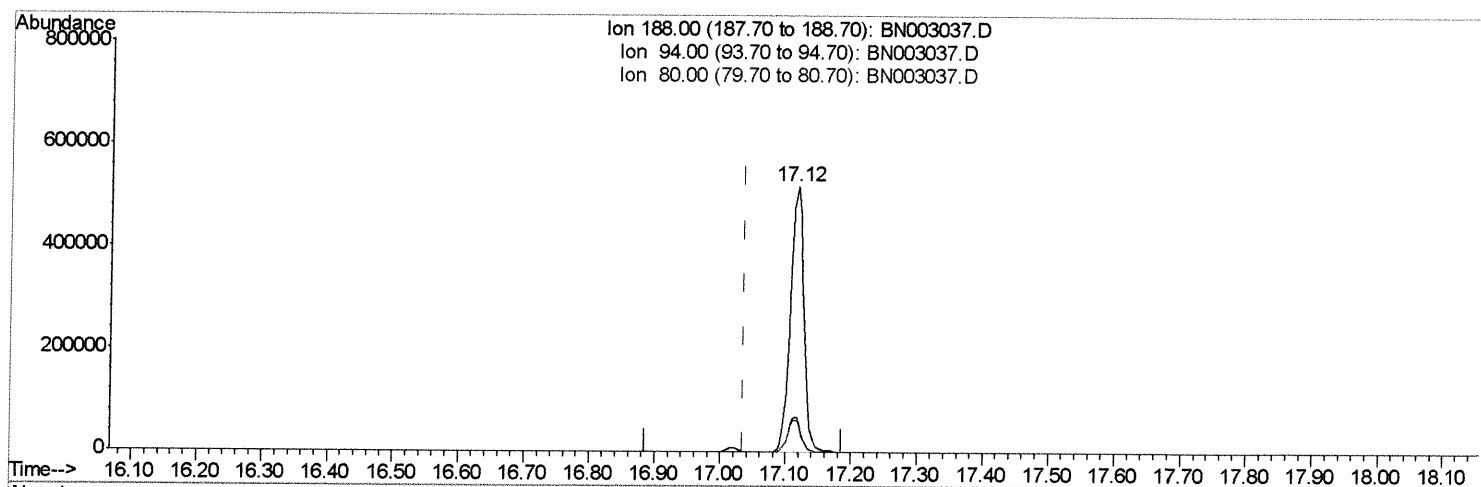
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
Data File : BN003037.D
Acq On : 09 Oct 2018 21:16
Operator : MJ/SJ
Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C0AC9

Manual Integrations
APPROVED

Sohil
10/10/2018 4:57:48 PM

Quant Time: Oct 10 01:37:59 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 : Wed Oct 10 01:34:31 2018
Response via : Initial Calibration



TIC: BN003037.D

(10) Phenanthrene-d10 (I)

17.115min (+0.080) 0.40ng/ul

response 742142

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	13.00
80.00	12.70	11.79
0.00	0.00	0.00

Quantitation Report (Qedit)

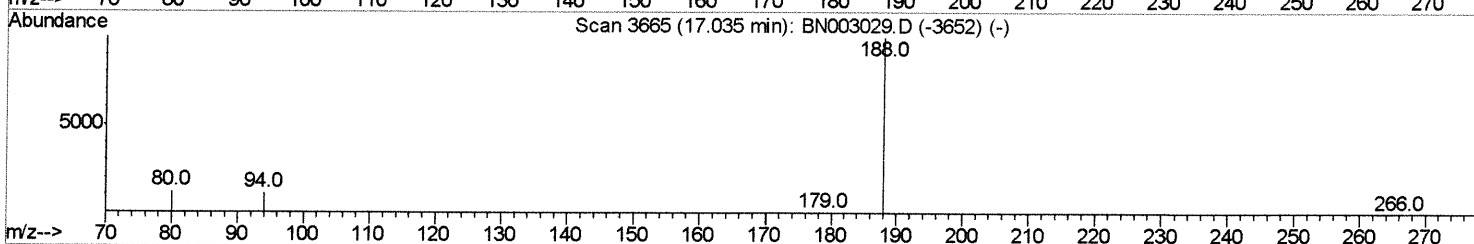
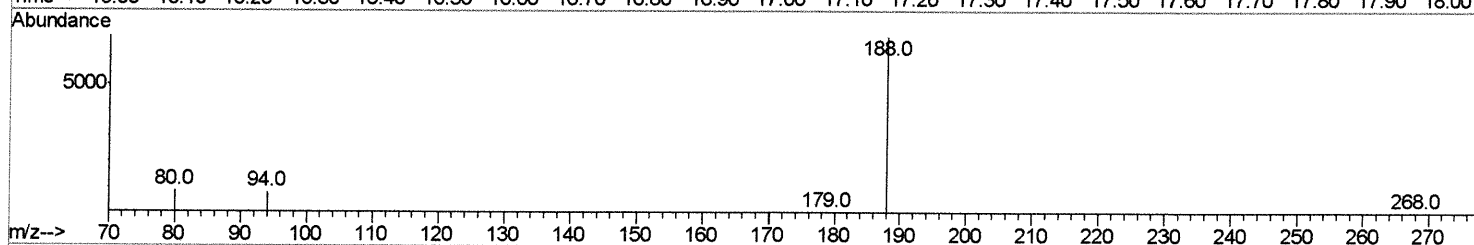
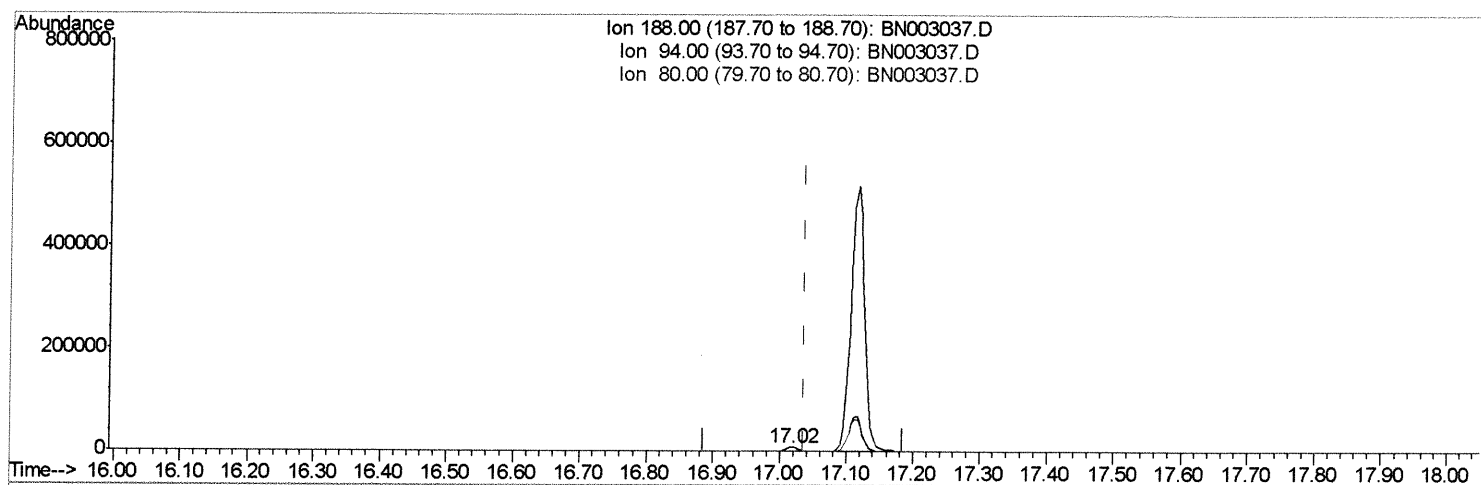
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
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 Operator : MJ/SJ
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 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
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Quant Time: Oct 10 01:37:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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TIC: BN003037.D

(10) Phenanthrene-d10 (I)

17.018min (-0.017) 0.40ng/ul m *51 10/12/18*

response 9589

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	11.80
80.00	12.70	12.88
0.00	0.00	0.00

Quantitation Report (Qedit)

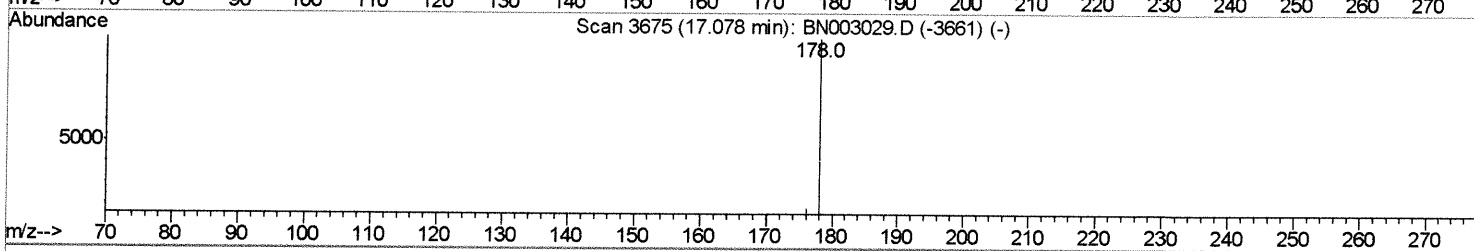
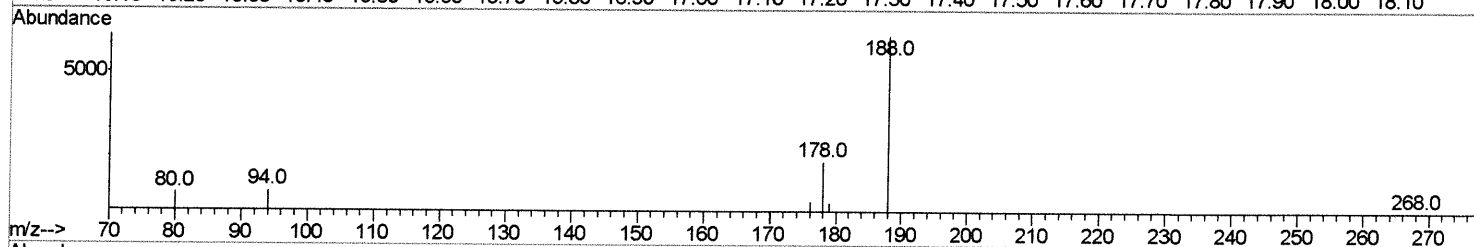
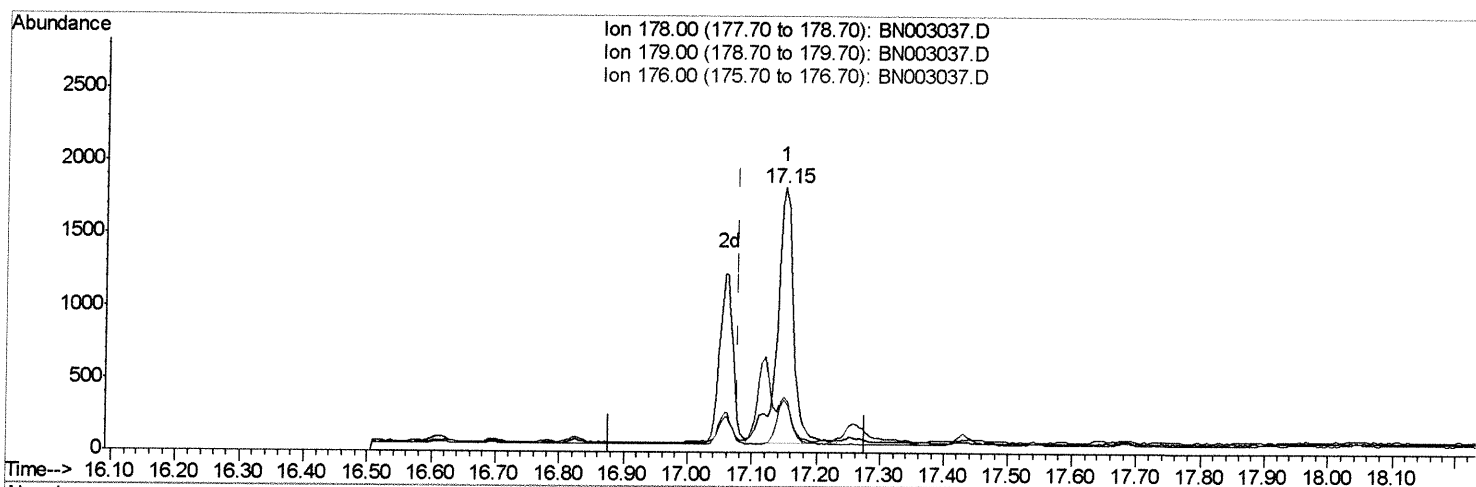
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
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Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:00:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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TIC: BN003037.D

(12) Phenanthrene

17.149min (+0.071) 0.12ng/ul

response 3123

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	19.87#
176.00	19.30	20.85
0.00	0.00	0.00

Quantitation Report (Qedit)

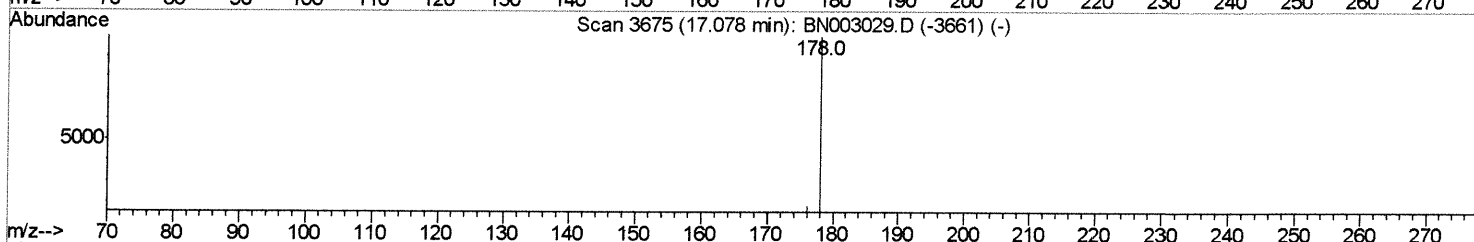
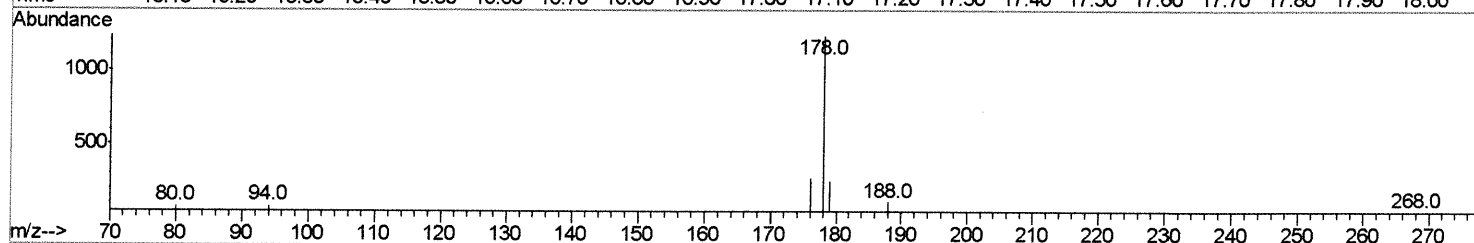
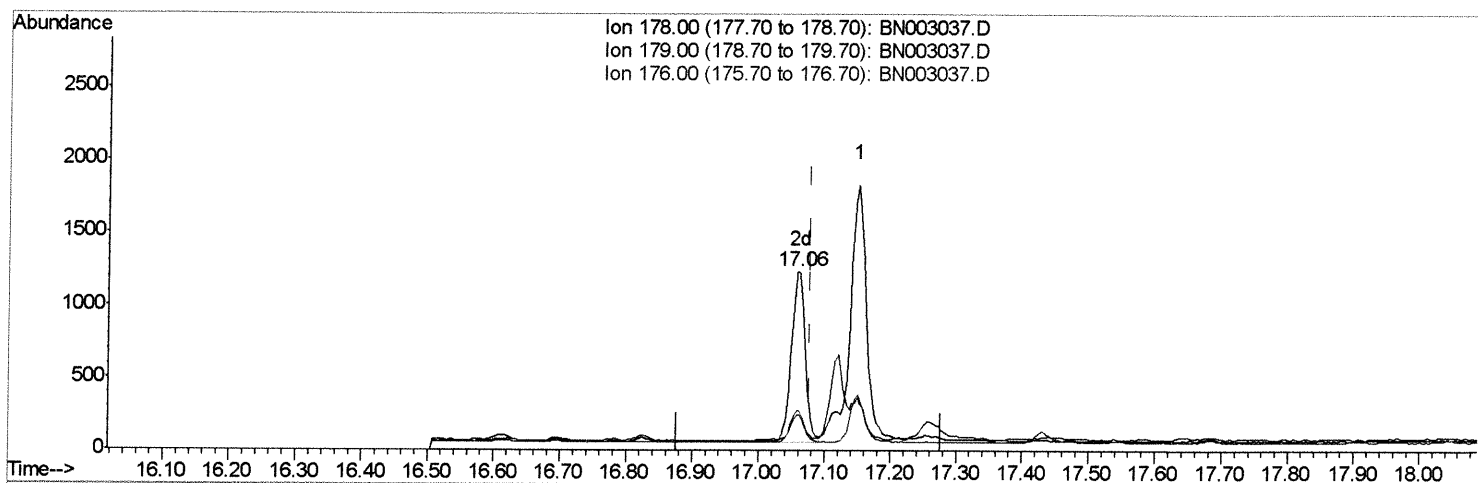
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Operator : MJ/SJ
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Misc :
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Manual Integrations
APPROVED

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TIC: BN003037.D

(12) Phenanthrene

17.060min (-0.017) 0.06ng/ul m

SJ 10/12/18

response 1702

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	20.21#
176.00	19.30	22.40
0.00	0.00	0.00

Quantitation Report (Qedit)

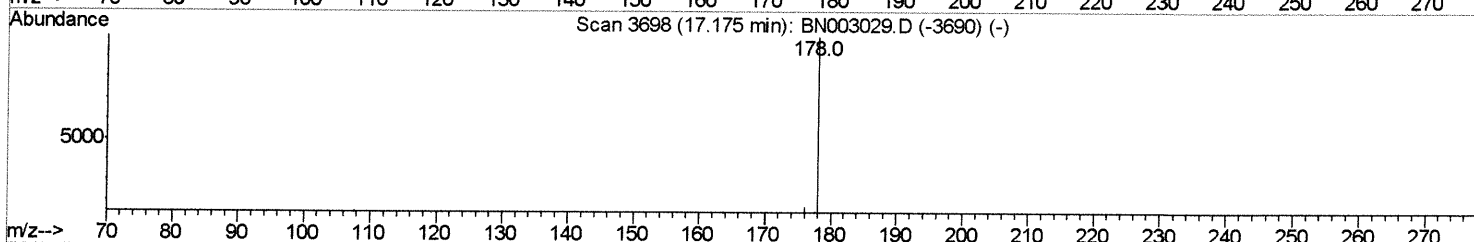
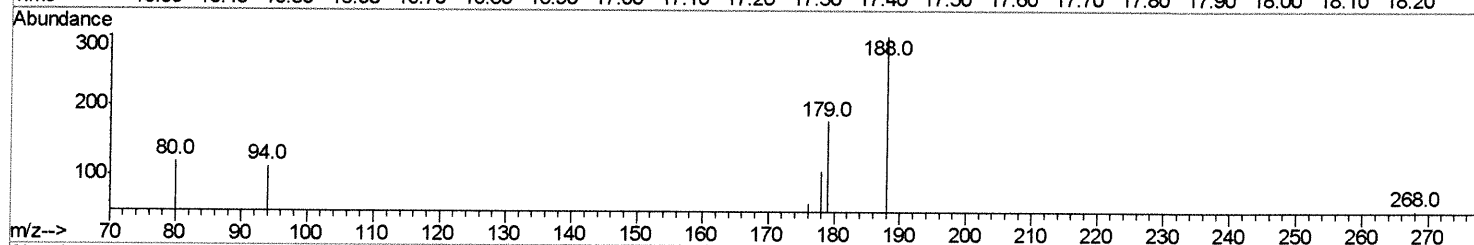
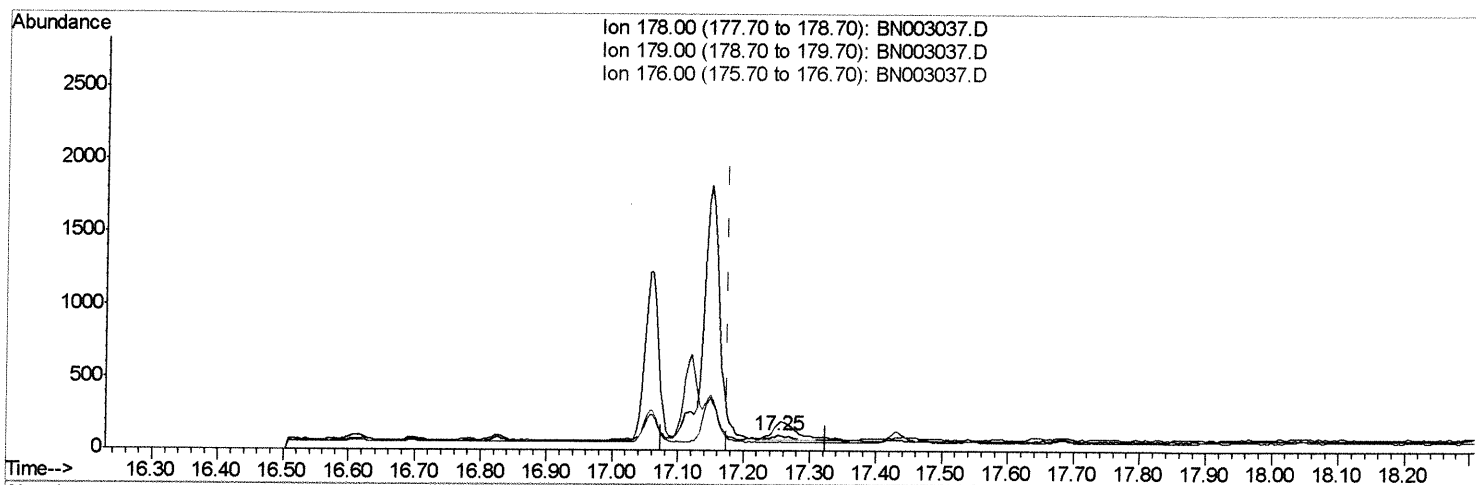
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Operator : MJ/SJ
Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 10 02:00:49 2018
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TIC: BN003037.D

(13) Anthracene

17.250min (+0.076) 0.00ng/ul

response 74

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	167.29#
176.00	19.10	56.07#
0.00	0.00	0.00

Quantitation Report (Qedit)

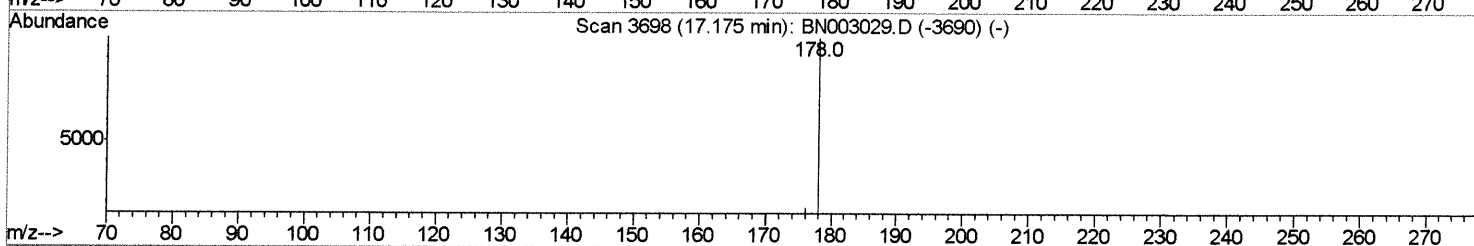
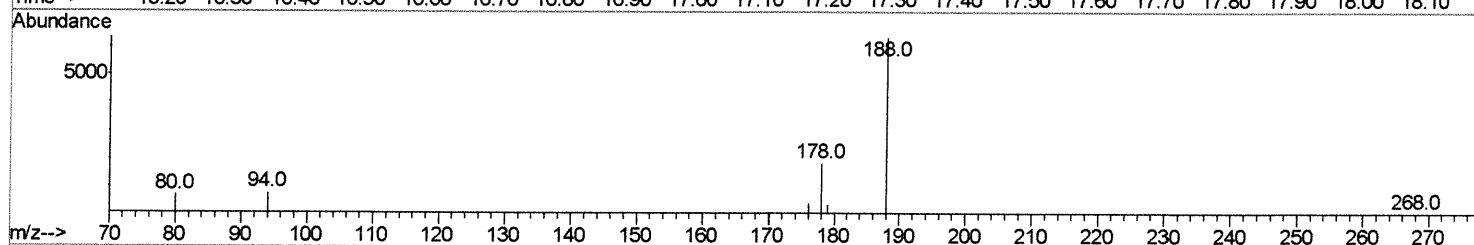
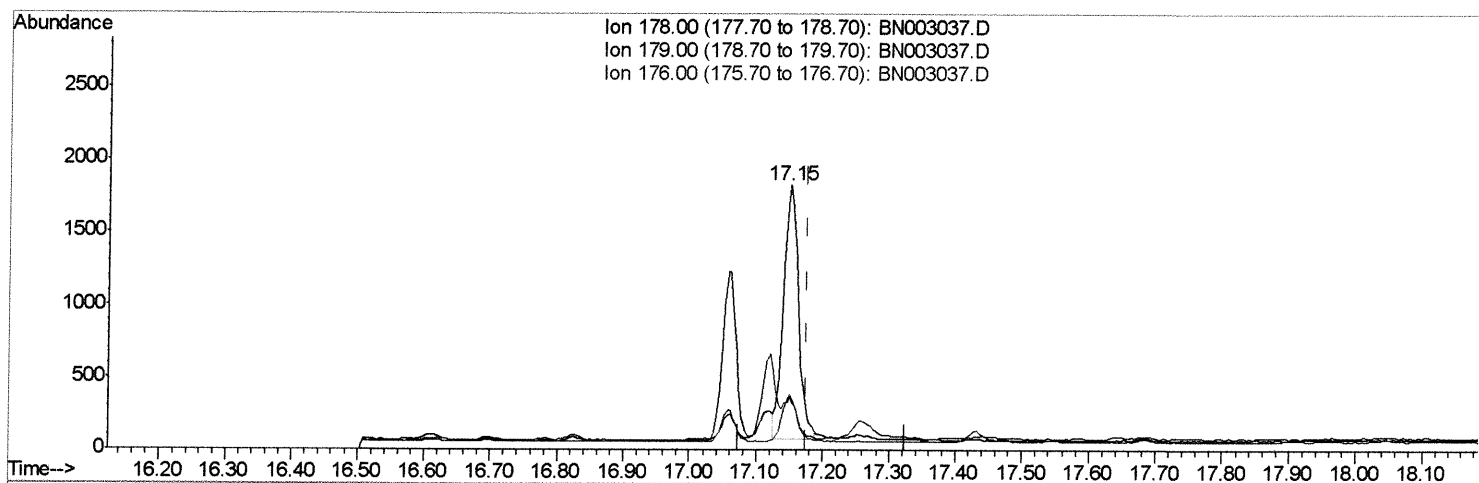
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Data File : BN003037.D
Acq On : 09 Oct 2018 21:16
Operator : MJ/SJ
Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
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TIC: BN003037.D

(13) Anthracene

17.149min (-0.026) 0.11ng/ul m SJ 10/12/18

response 2785

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	19.87#
176.00	19.10	20.85
0.00	0.00	0.00

Quantitation Report (Qedit)

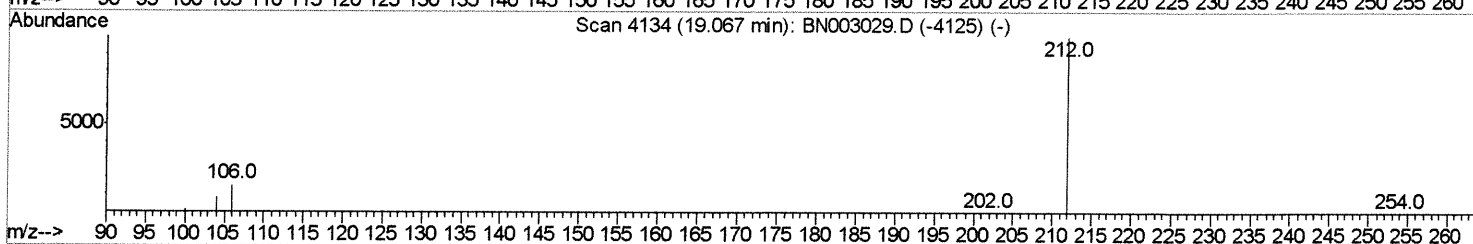
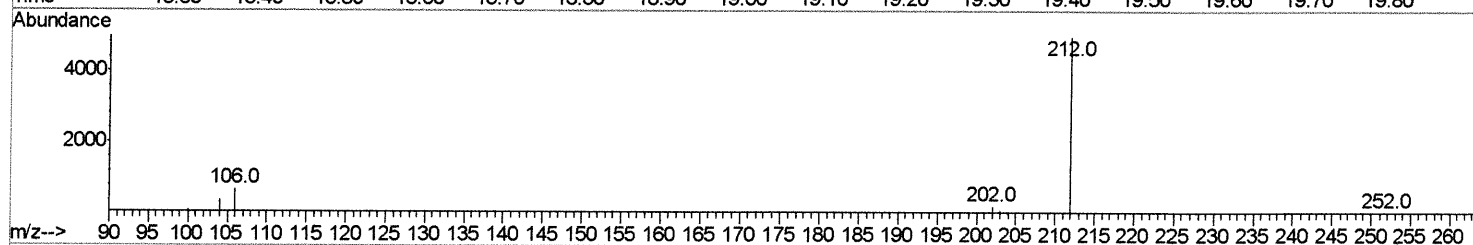
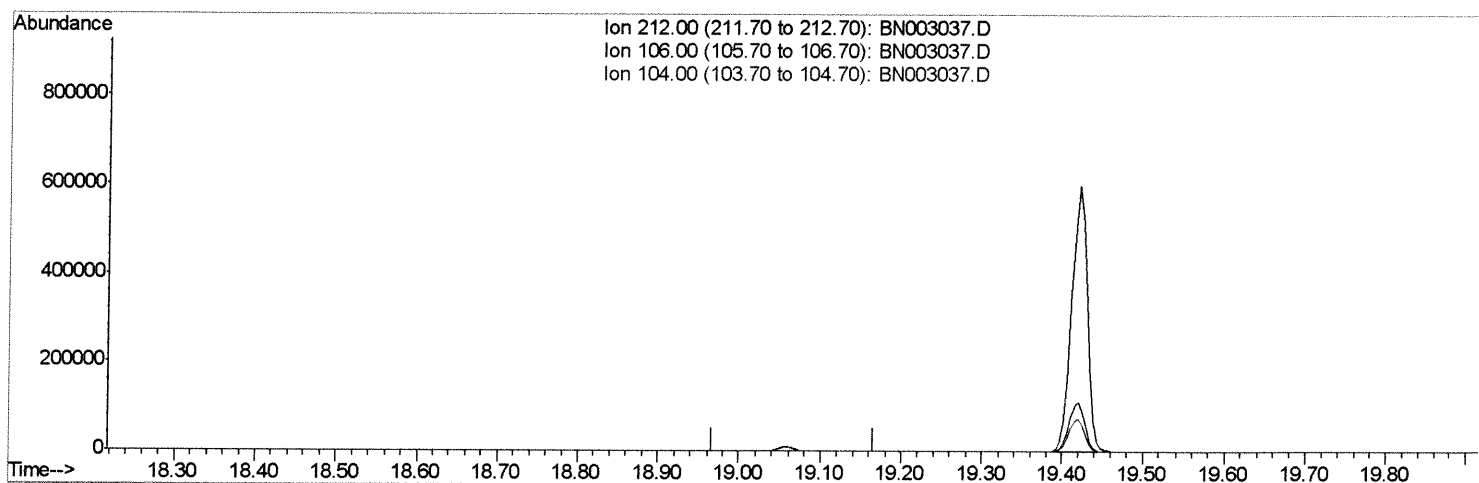
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Data File : BN003037.D
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Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC9

Manual Integrations
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TIC: BN003037.D

(14) Fluoranthene-d10 (SURR)

19.067min (-19.067) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

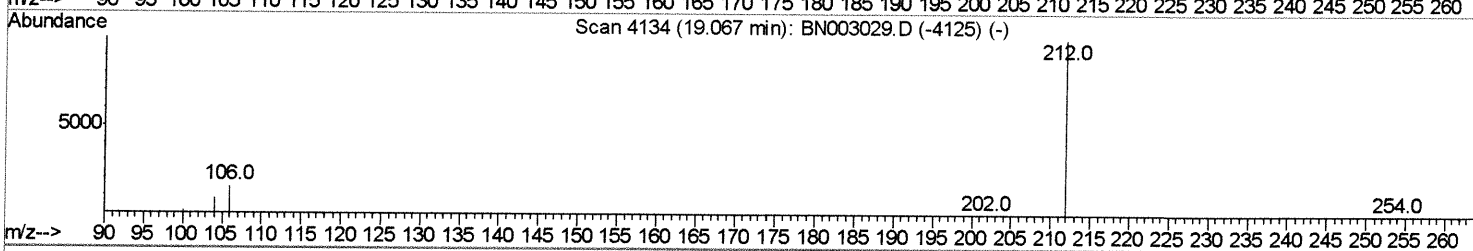
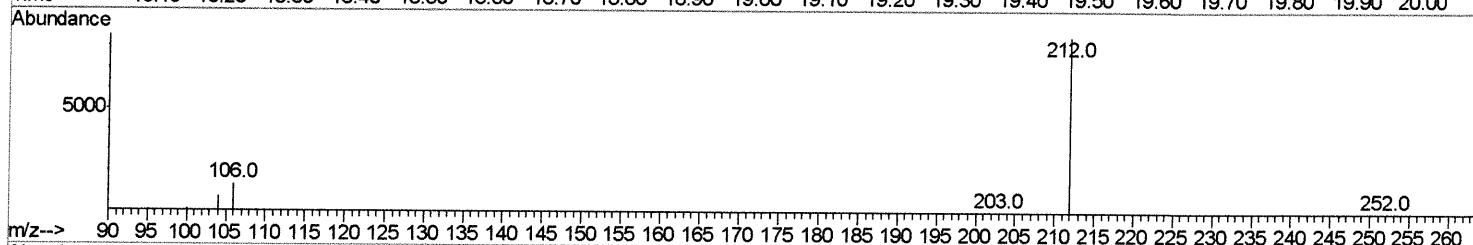
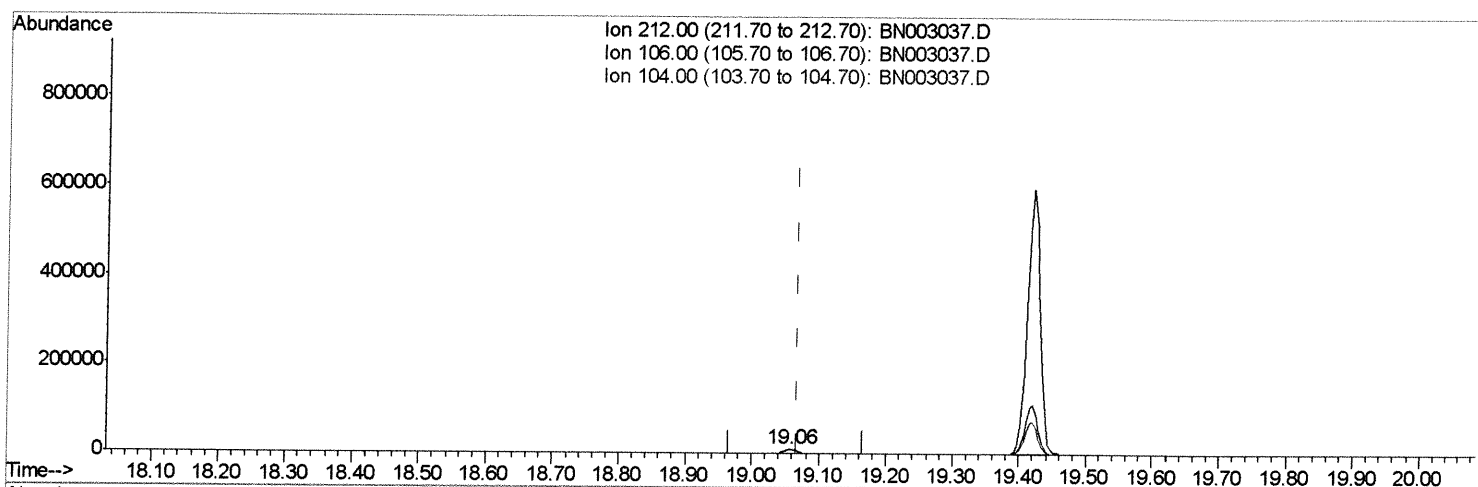
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:00:49 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.057min (-0.010) 0.41ng/ul m *SJ 10/12/18*

response 11373

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

Quantitation Report (Qedit)

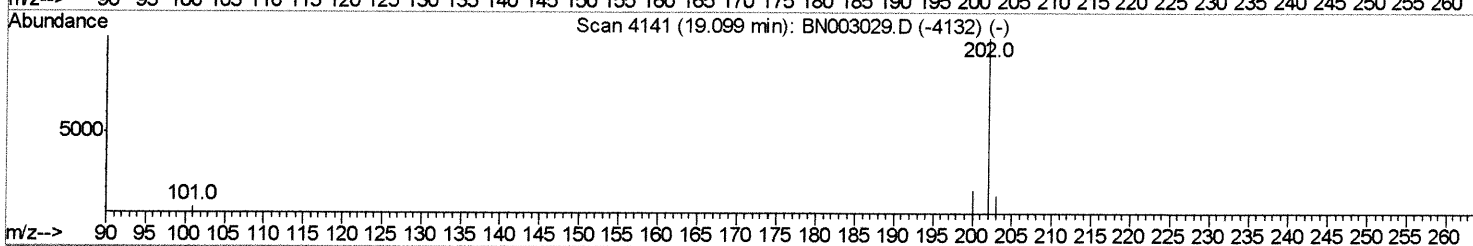
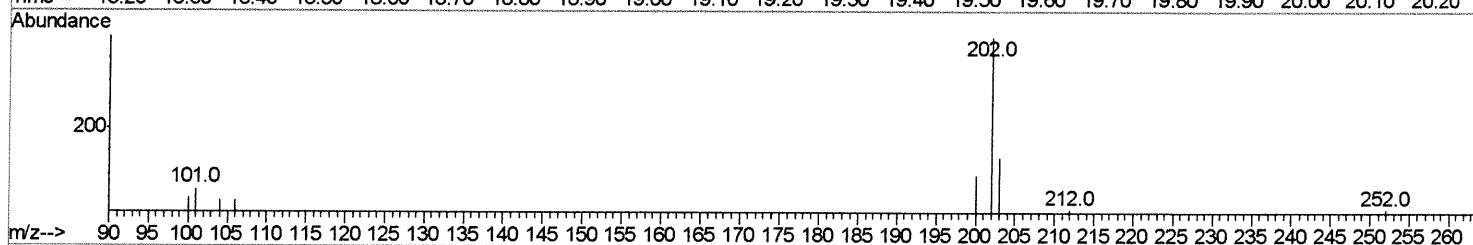
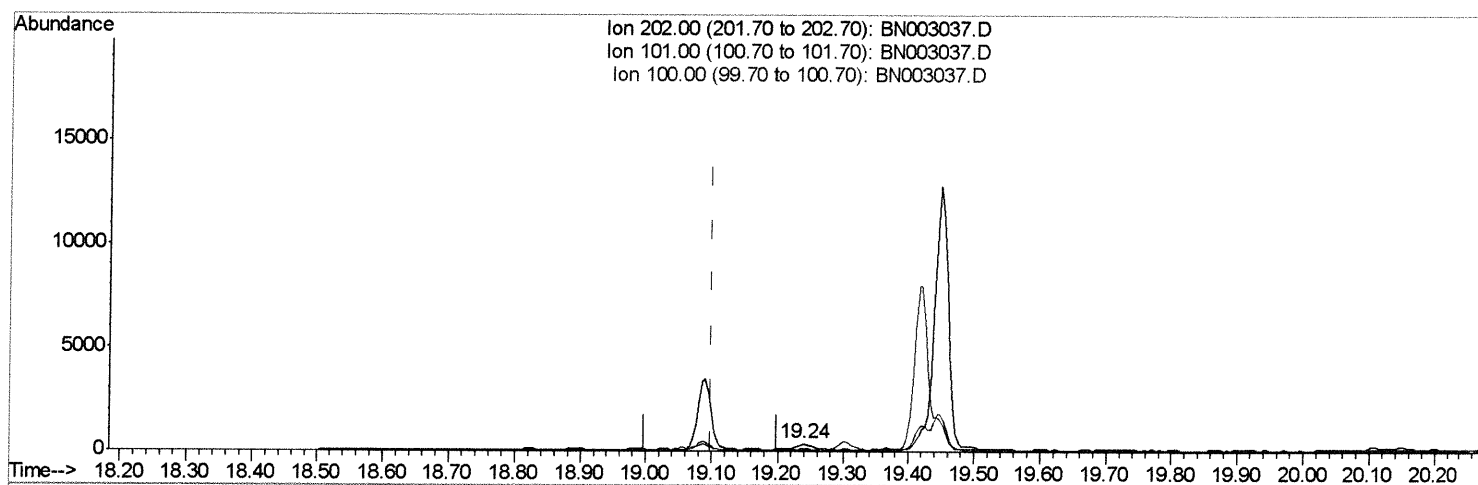
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Data File : BN003037.D
Acq On : 09 Oct 2018 21:16
Operator : MJ/SJ
Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:00:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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Response via : Initial Calibration



TIC: BN003037.D

(15) Fluoranthene (C)

19.238min (+0.139) 0.01ng/ul

response 457

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	26.61
100.00	9.10	22.13
0.00	0.00	0.00

Quantitation Report (Qedit)

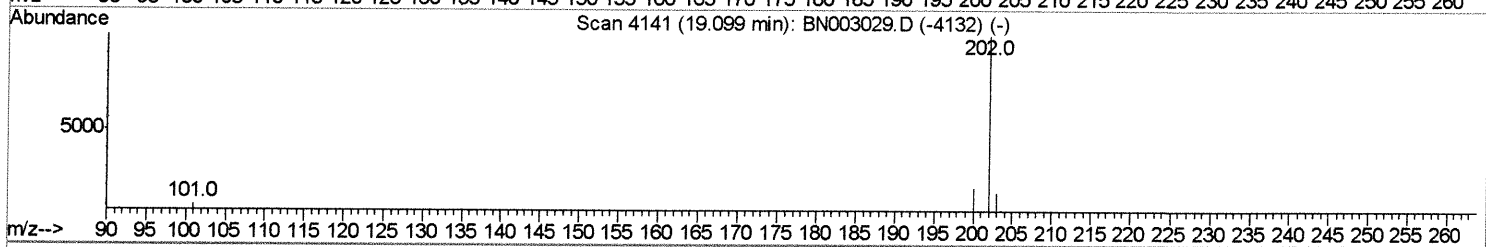
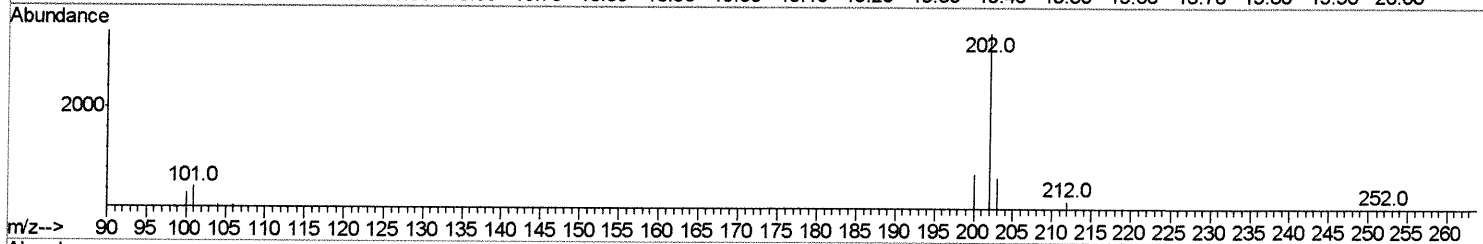
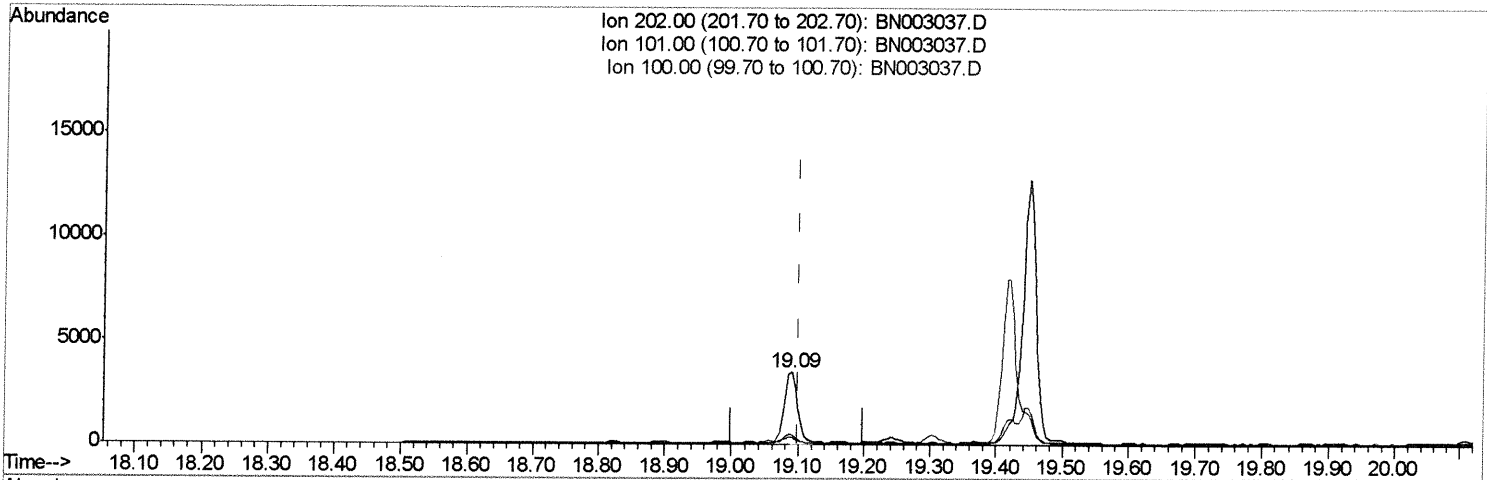
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 Data File : BN003037.D
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 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:00:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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 Response via : Initial Calibration



(15) Fluoranthene (C)

19.090min (-0.010) 0.15ng/ul m *SJ 10/12/18*

response 4815

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.81
100.00	9.10	9.81
0.00	0.00	0.00

Quantitation Report (Qedit)

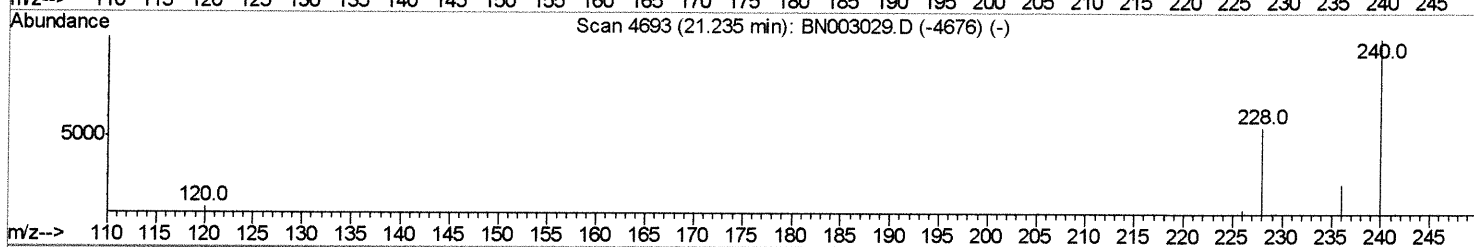
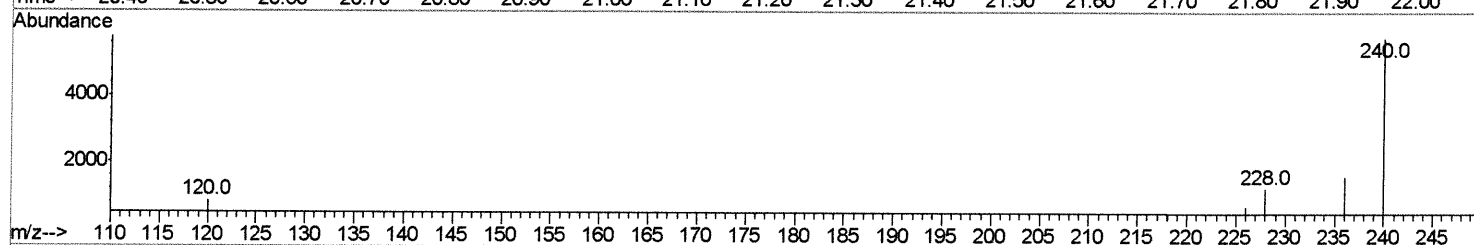
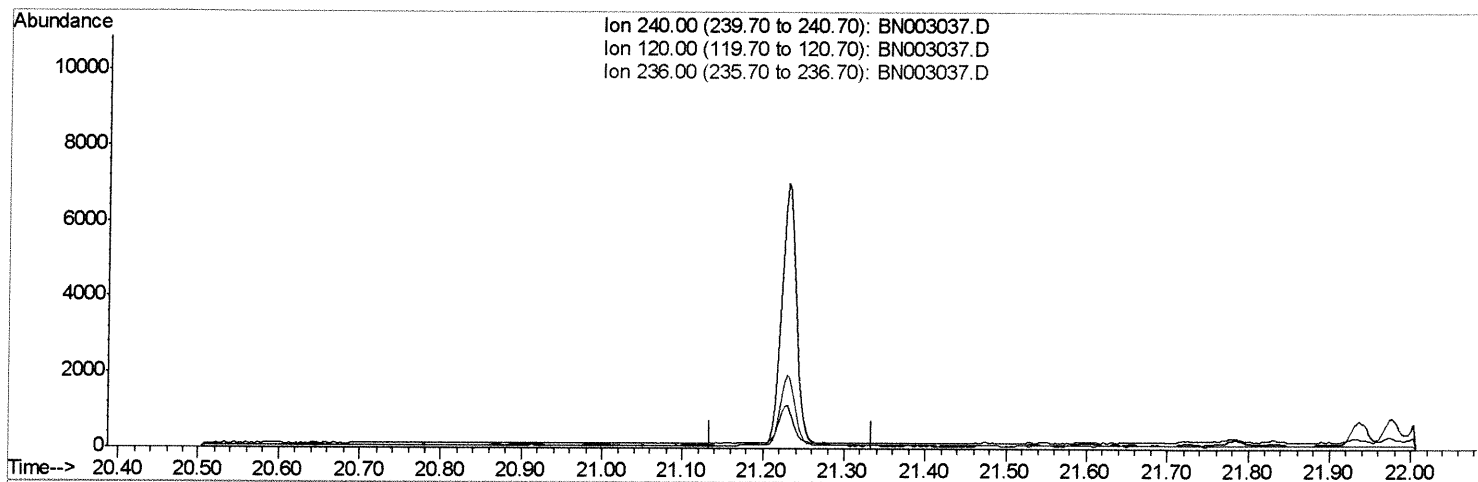
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ALS Vial : 10 Sample Multiplier: 1

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Manual Integrations
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TIC: BN003037.D

(16) Chrysene-d12 (I)

21.235min (-21.235) 0.00ng/ui

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)

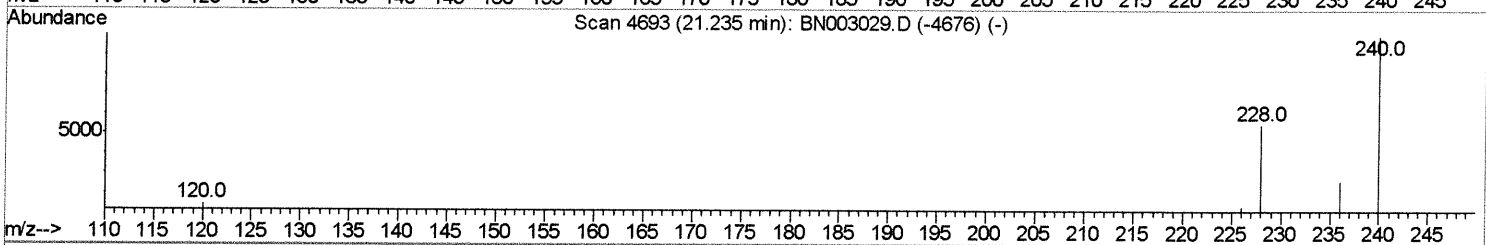
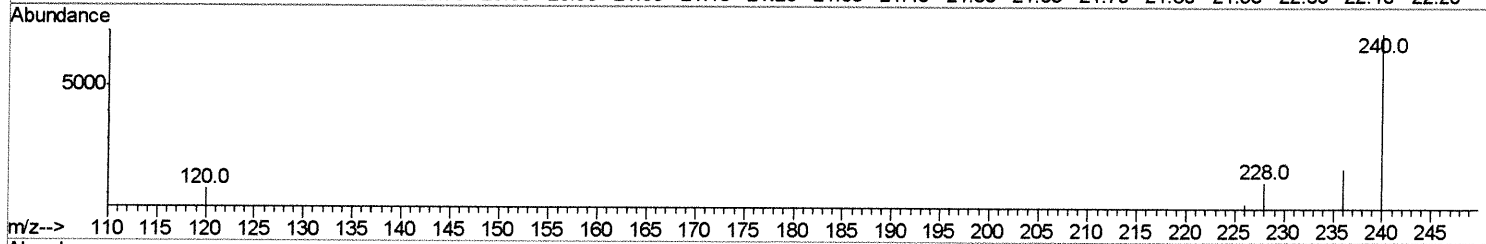
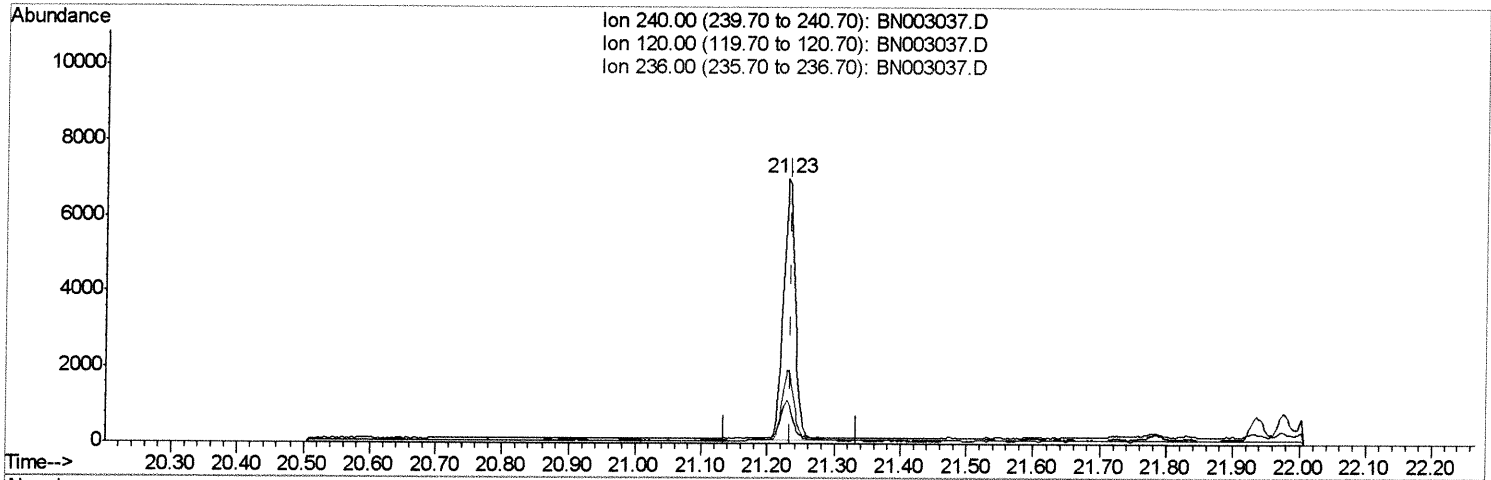
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 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:00:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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(16) Chrysene-d12 (I)

21.229min (-0.006) 0.40ng/ul m *SJ 10/12/18*

response 8635

Ion	Exp%	Act%
240.00	100	100
120.00	16.40	16.25
236.00	28.10	27.74
0.00	0.00	0.00

Quantitation Report (Qedit)

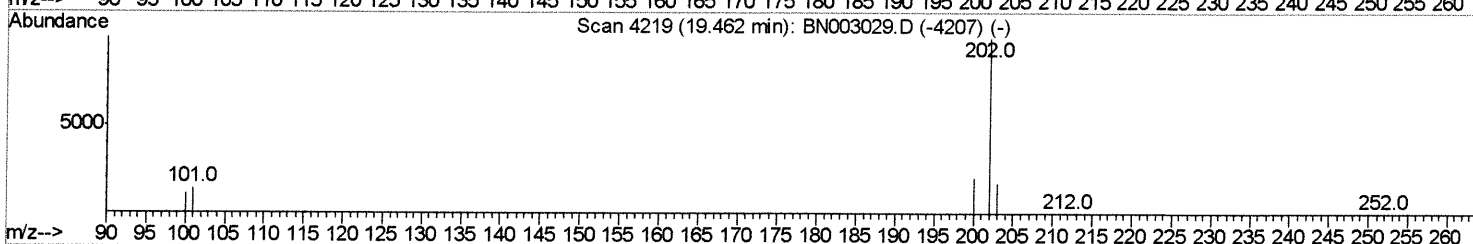
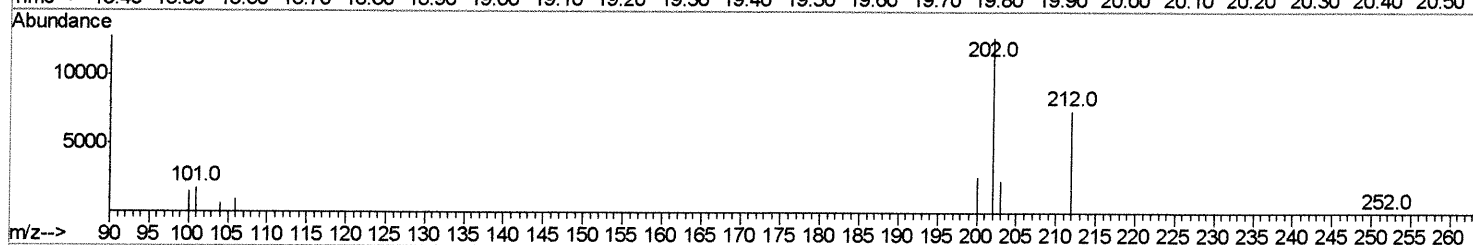
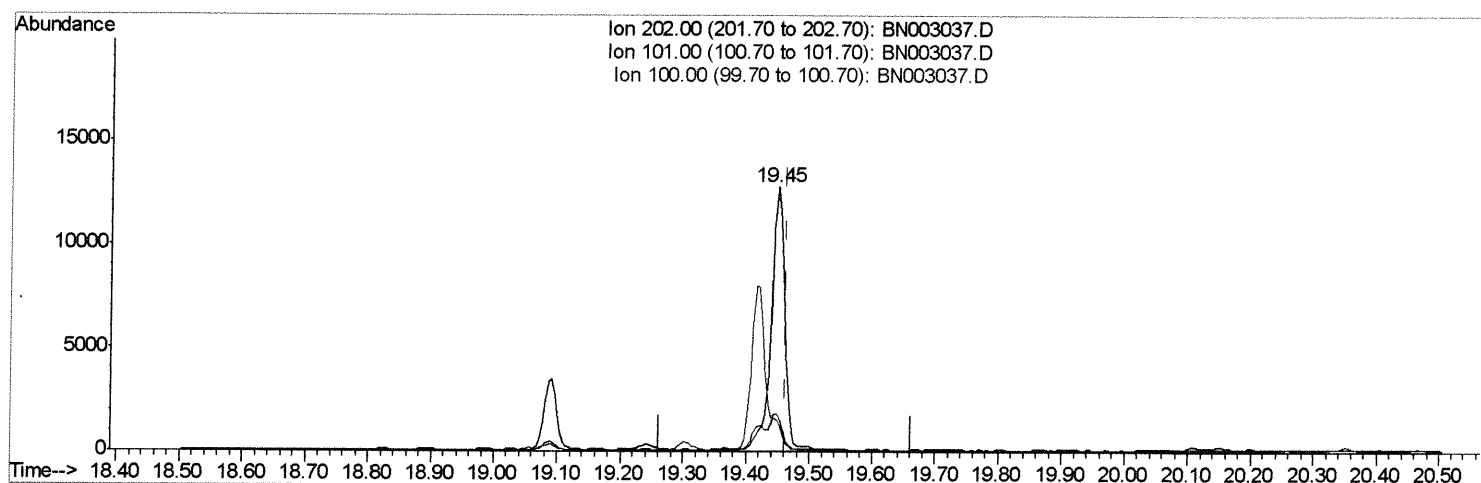
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 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
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TIC: BN003037.D

(17) Pyrene

19.448min (-0.014) 0.56ng/ul

response 18716

Ion	Exp%	Act%
202.00	100	100
101.00	14.90	14.21
100.00	12.40	11.73
0.00	0.00	0.00

Quantitation Report (Qedit)

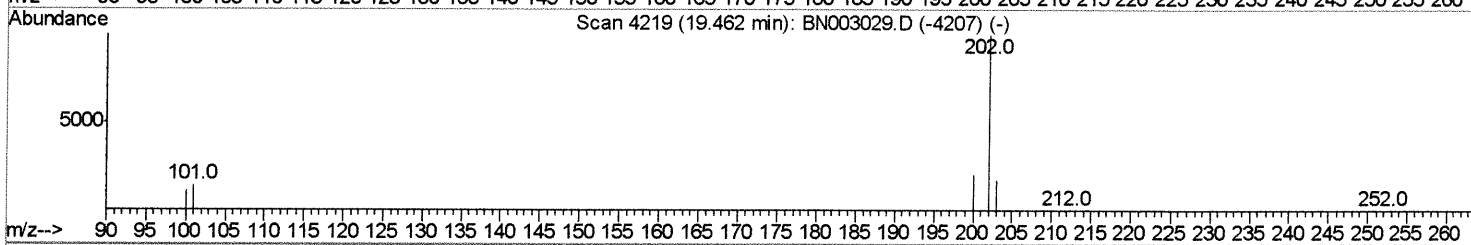
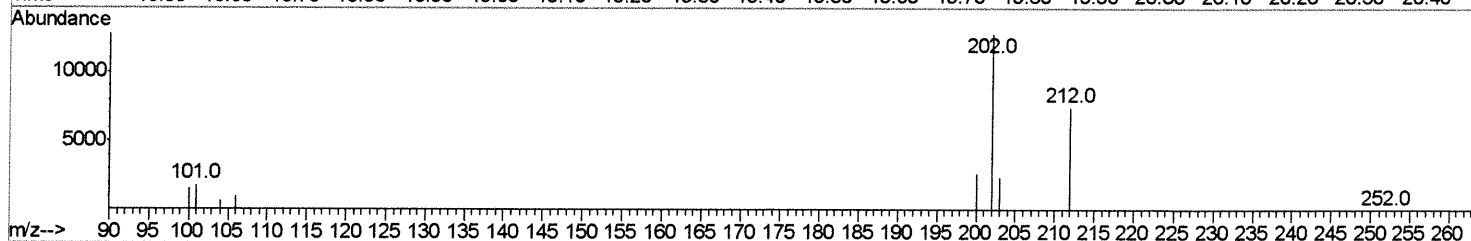
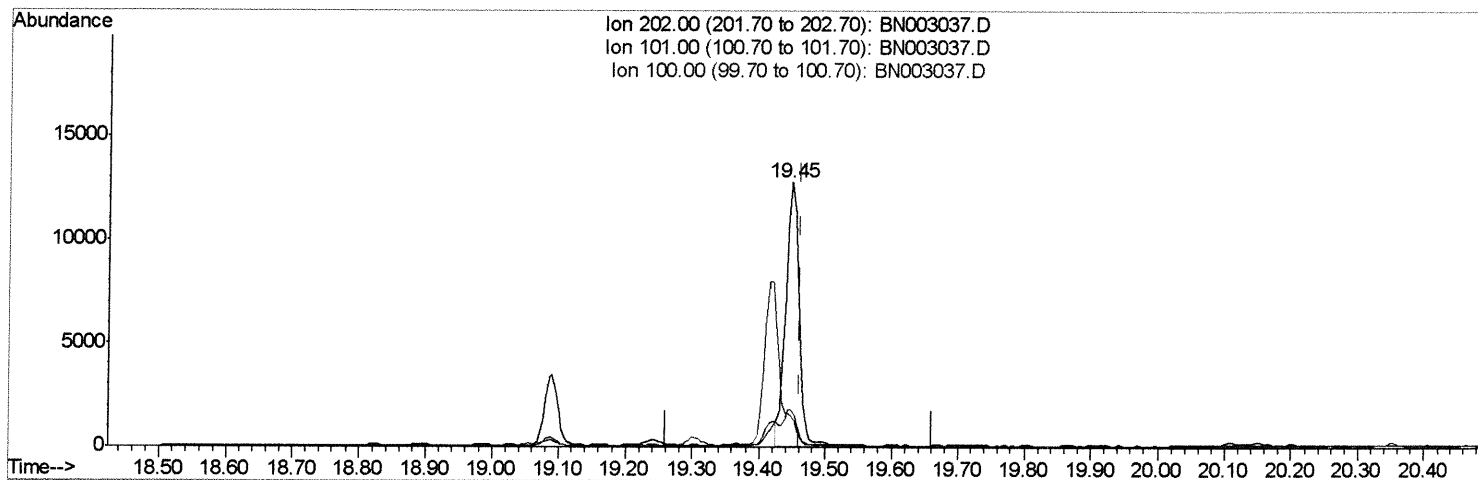
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



TIC: BN003037.D

(17) Pyrene

19.448min (-0.014) 0.52ng/ul m

SJ 10/12/18

response 17515

Ion	Exp%	Act%
202.00	100	100
101.00	14.90	14.21
100.00	12.40	11.73
0.00	0.00	0.00

Quantitation Report (Qedit)

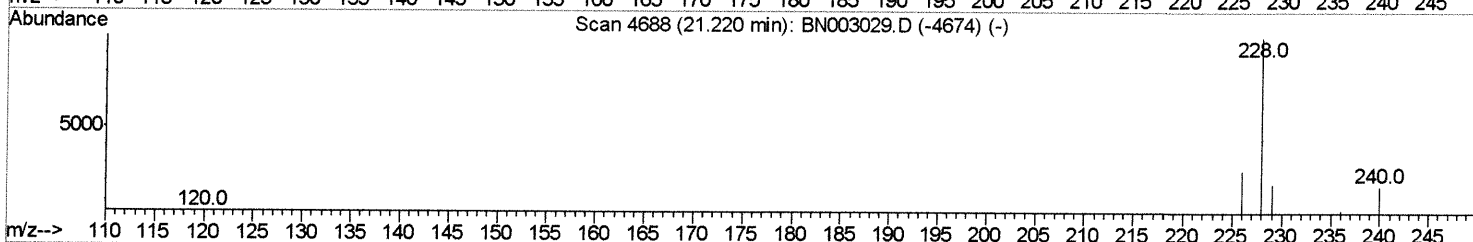
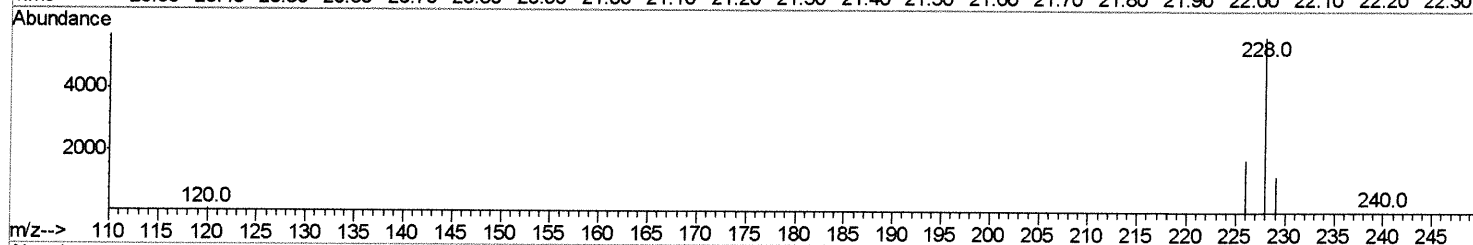
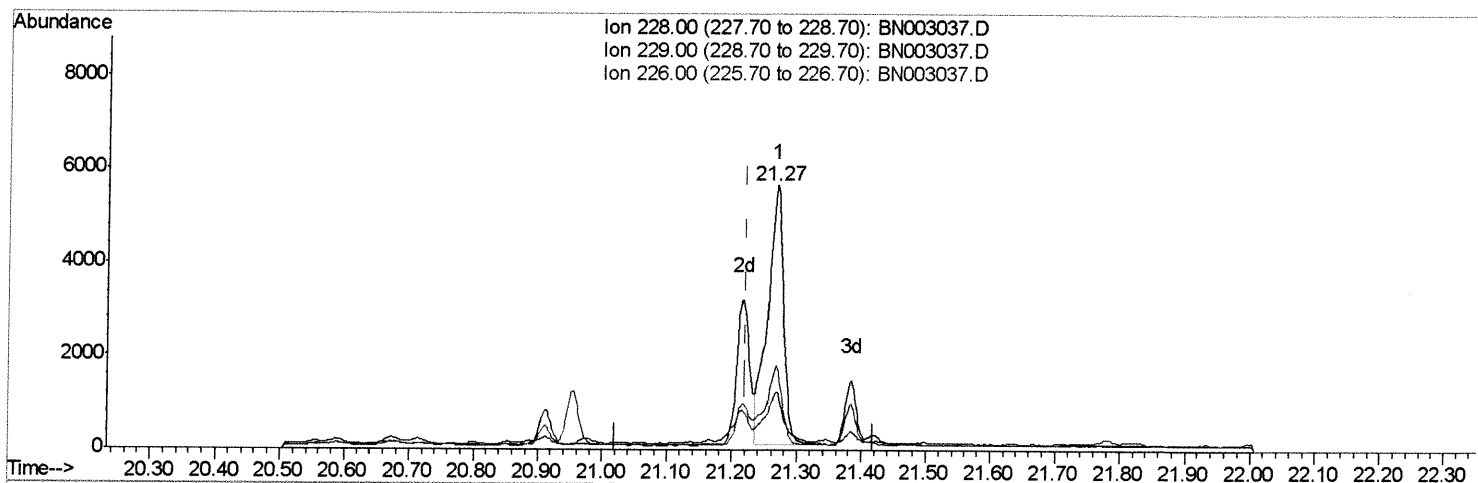
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



TIC: BN003037.D

(18) Benzo(a)anthracene
 21.267min (+0.046) 0.34ng/ul
 response 9433

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	21.98
226.00	27.90	31.64
0.00	0.00	0.00

Quantitation Report (Qedit)

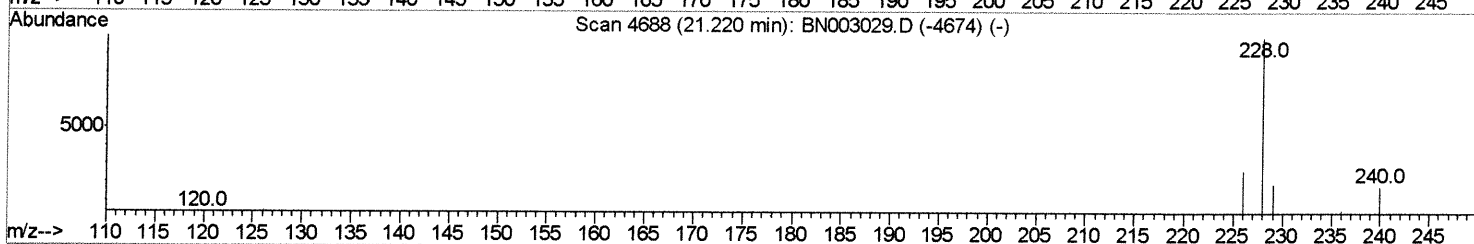
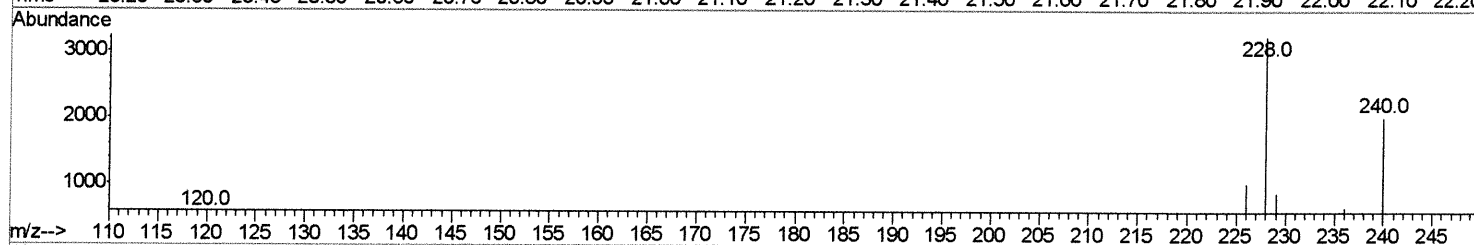
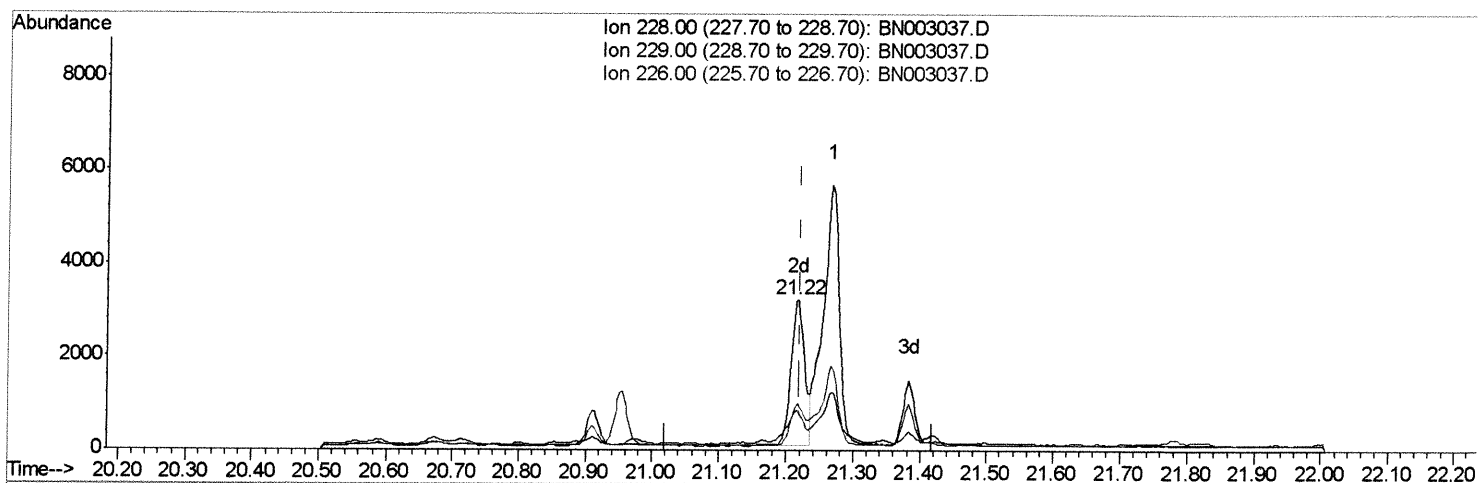
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



TIC: BN003037.D

(18) Benzo(a)anthracene

21.217min (-0.003) 0.16ng/ul m

5/10/12/18

response 4391

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	26.49#
226.00	27.90	31.10
0.00	0.00	0.00

Quantitation Report (Qedit)

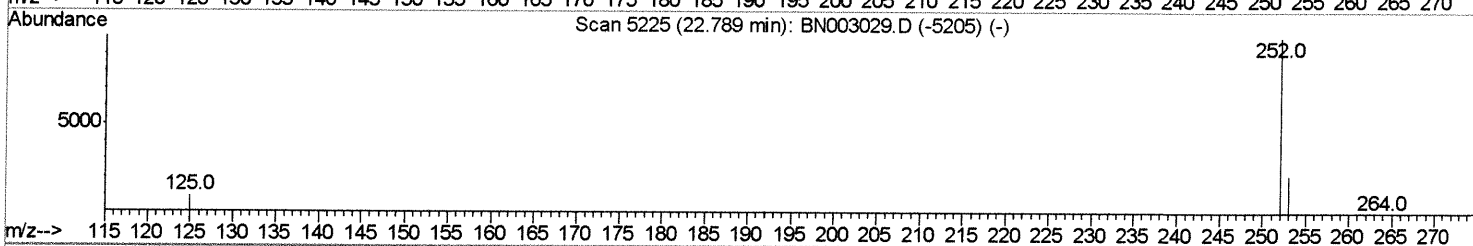
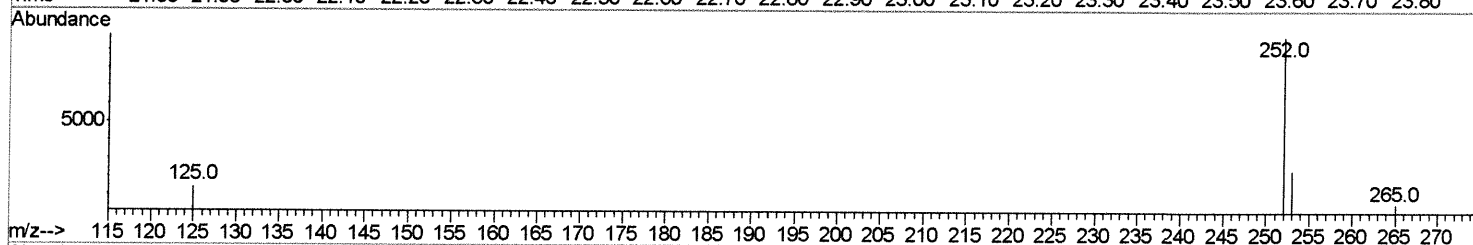
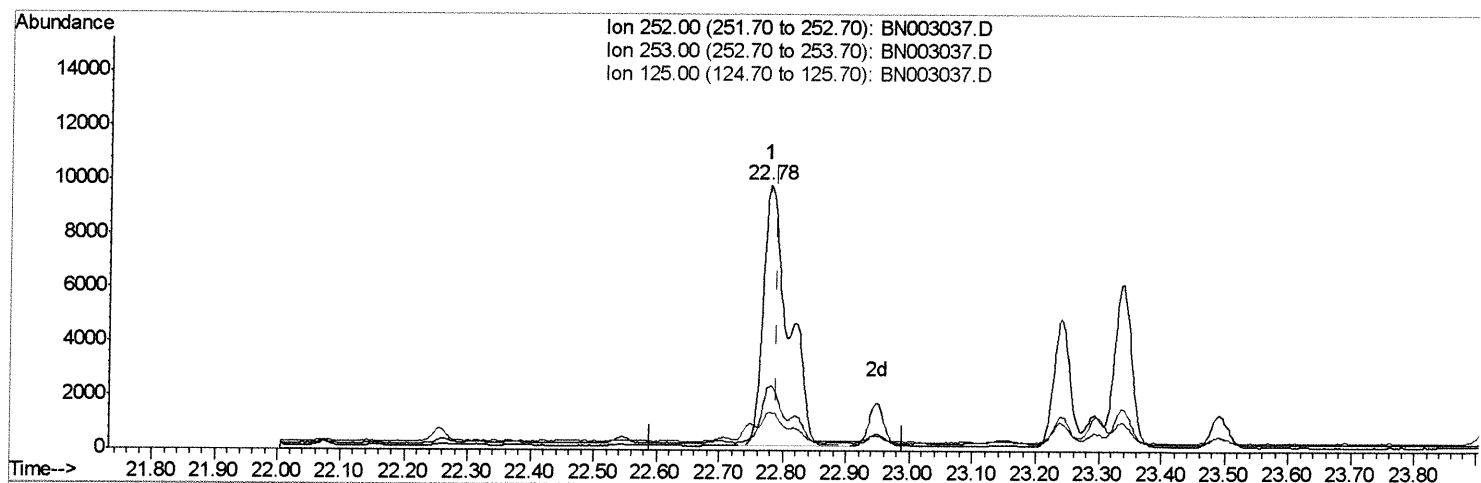
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
Data File : BN003037.D
Acq On : 09 Oct 2018 21:16
Operator : MJ/SJ
Sample : J5157-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C0AC9

Manual Integrations
APPROVED

Sohil
10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
Response via : Initial Calibration



TIC: BN003037.D

(21) Benzo(b)fluoranthene

22.777min (-0.012) 1.00ng/ui

response 26707

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.32
125.00	17.10	14.65
0.00	0.00	0.00

Quantitation Report (Qedit)

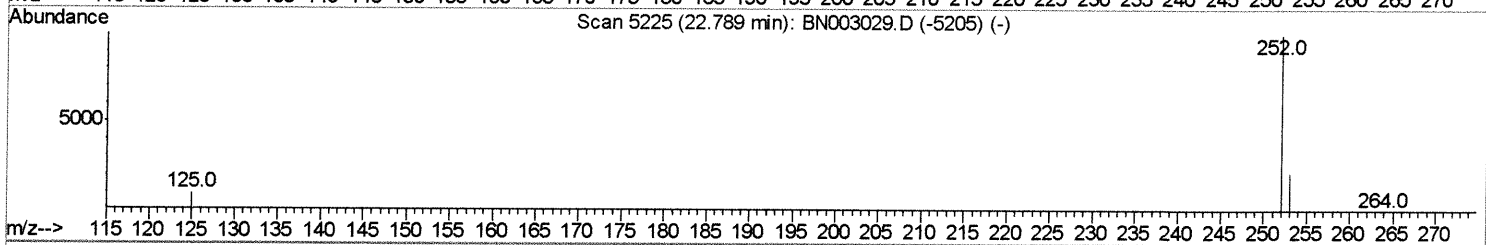
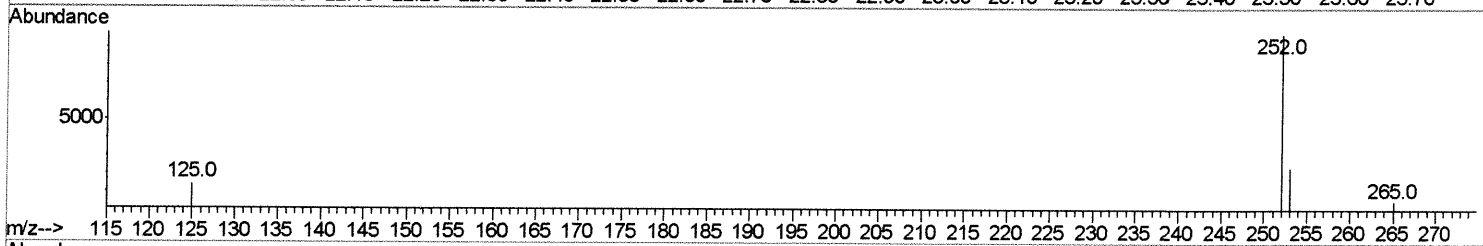
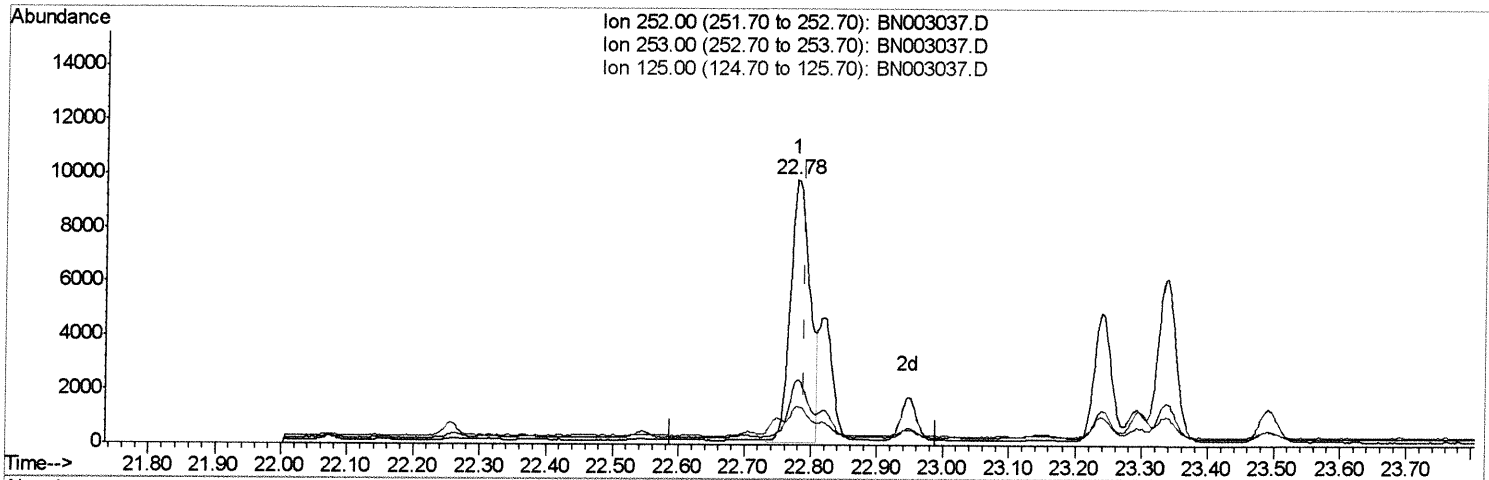
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



TIC: BN003037.D

(21) Benzo(b)fluoranthene

22.777min (-0.012) 0.74ng/ul m 5/10/12/18

response 19806

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.32
125.00	17.10	14.65
0.00	0.00	0.00

Quantitation Report (Qedit)

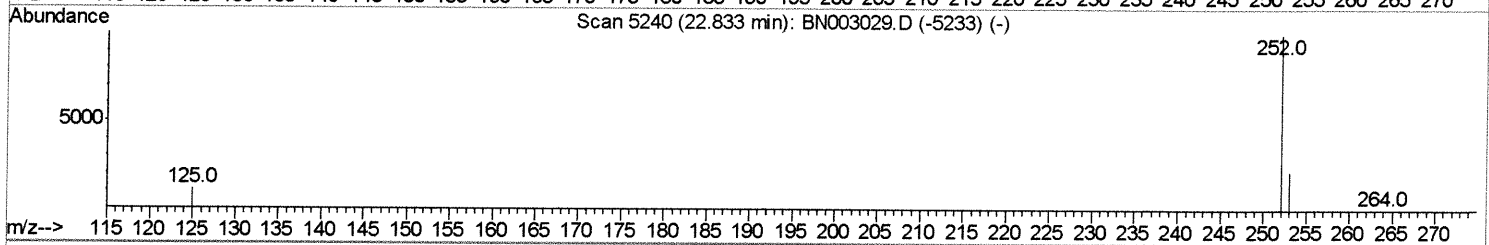
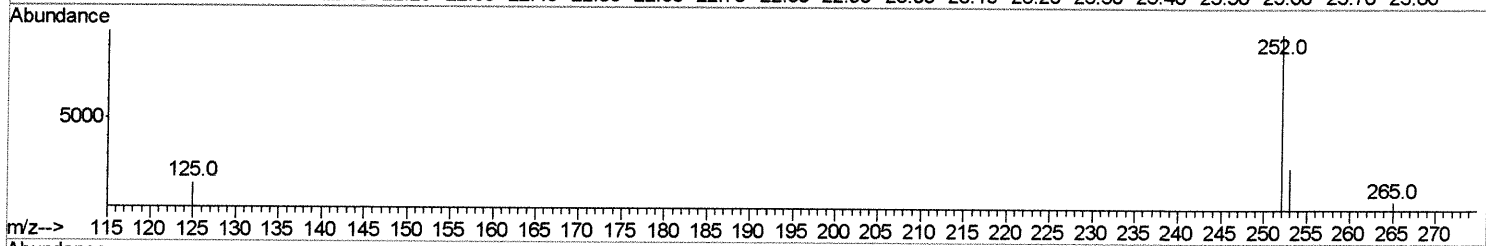
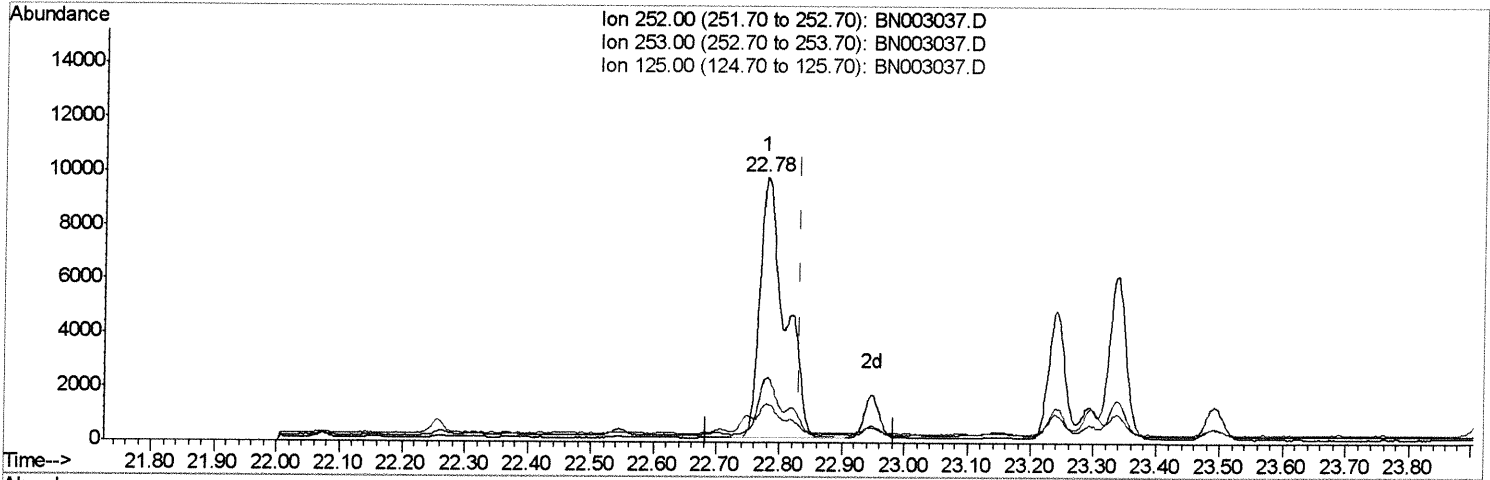
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene
 22.777min (-0.056) 0.96ng/ul
 response 26644

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.32
125.00	17.60	14.65
0.00	0.00	0.00

Quantitation Report (Qedit)

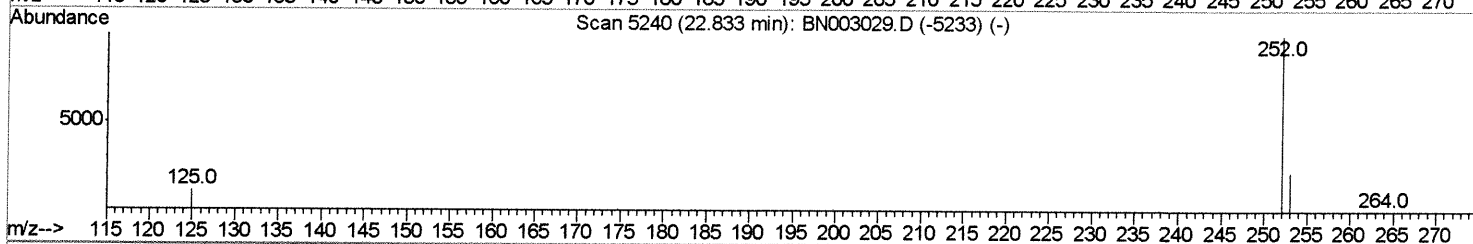
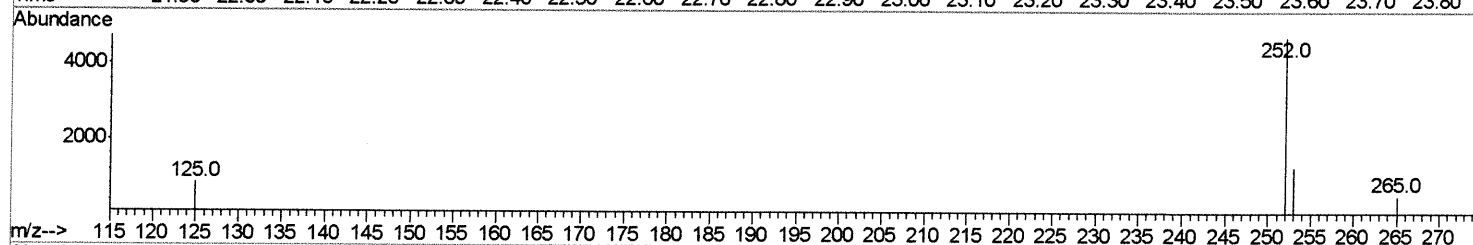
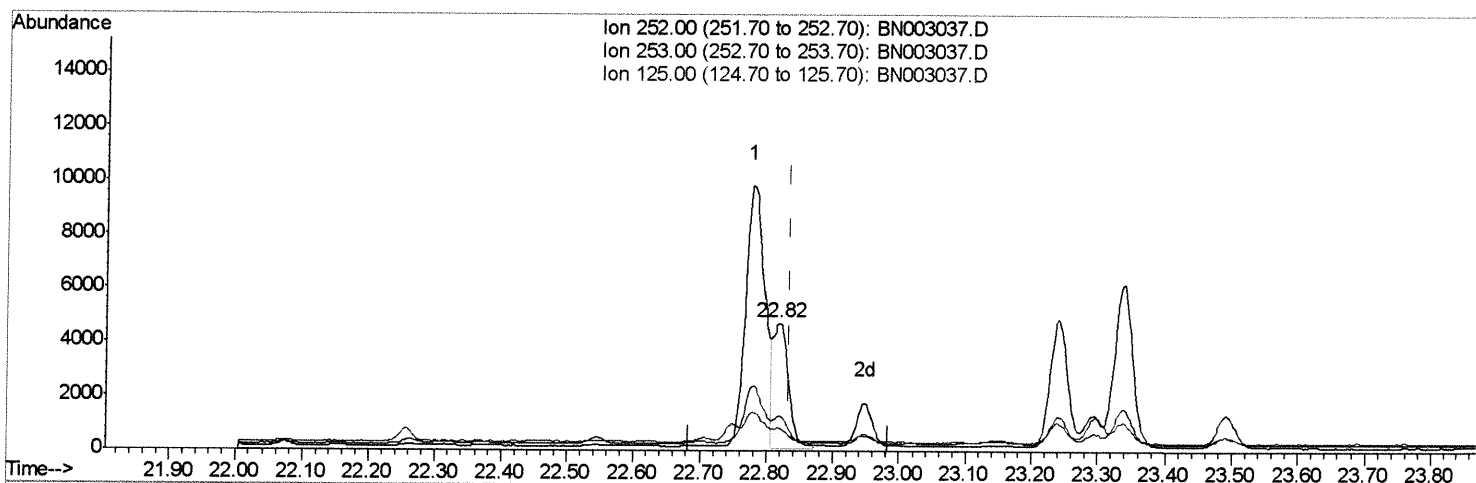
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:02:27 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration



TIC: BN003037.D

(22) Benzo(k)fluoranthene

22.818min (-0.015) 0.26ng/ul m 5/10/12/18

response 7218

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.14
125.00	17.60	17.57
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003037.D
 Acq On : 09 Oct 2018 21:16
 Operator : MJ/SJ
 Sample : J5157-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/10/2018 4:57:48 PM

Quant Time: Oct 10 02:03:52 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 : Wed Oct 10 01:34:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1668	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	6911	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	4232	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	9589m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	8635m	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	7427	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	4317	0.40	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	11373m	0.41	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.44	128	1162	0.066	ng/ul#	89
7) Acenaphthylene	13.98	152	2074	0.107	ng/ul	95
9) Fluorene	15.32	166	369	0.022	ng/ul#	93
12) Phenanthrene	17.06	178	1702m	0.064	ng/ul	
13) Anthracene	17.15	178	2785m	0.110	ng/ul	
15) Fluoranthene	19.09	202	4815m	0.154	ng/ul	
17) Pyrene	19.45	202	17515m	0.522	ng/ul	
18) Benzo(a)anthracene	21.22	228	4391m	0.158	ng/ul	
19) Chrysene	21.27	228	9458	0.335	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	19806m	0.740	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	7218m	0.260	ng/ul	
23) Benzo(a)pyrene	23.34	252	11587	0.483	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	6170	0.224	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.66	278	1796	0.081	ng/ul#	69
26) Benzo(a,h,i)perylene	26.34	276	5547	0.239	ng/ul	98

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