

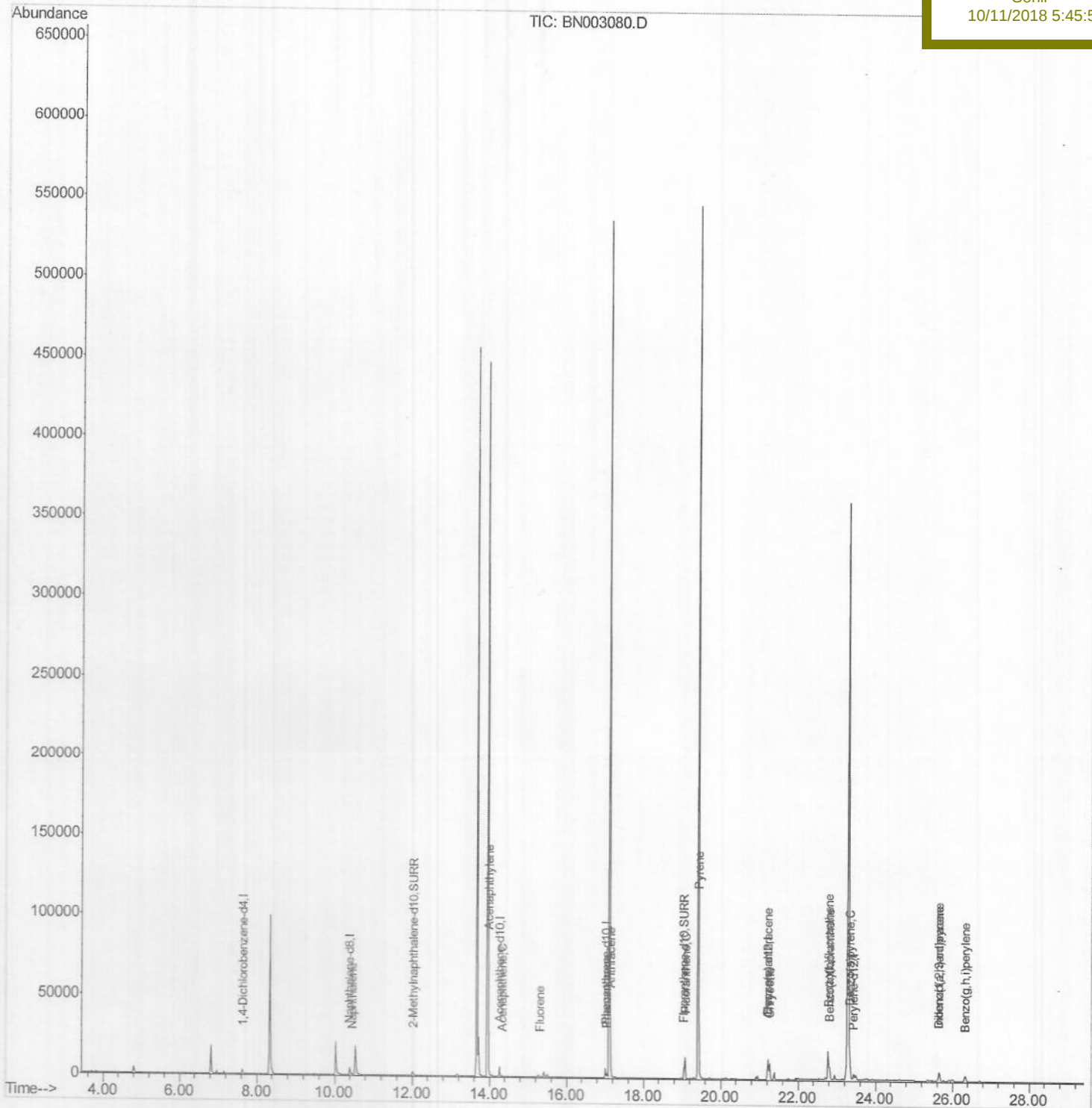
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003080.D
Acq On : 11 Oct 2018 00:37
Operator : MJ/SJ
Sample : J5157-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:27:53 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

Instrument :
BNA_N
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:53 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:13:24 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

Instrument :

BNA_N

ClientSampleId :

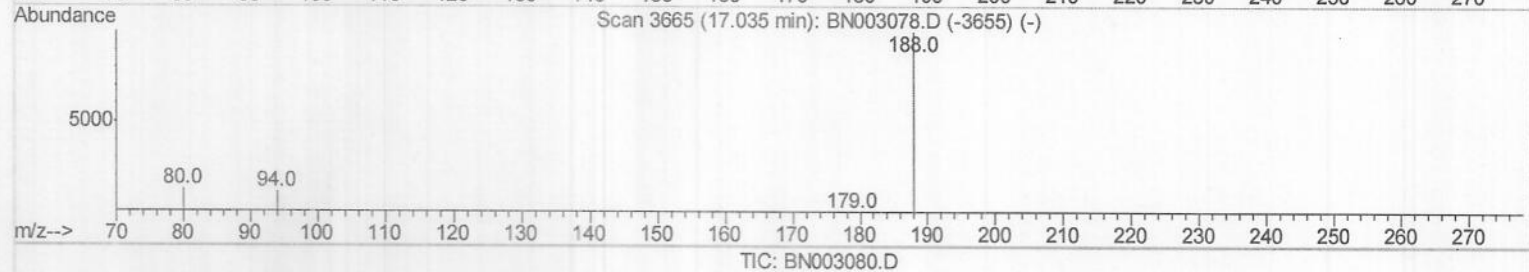
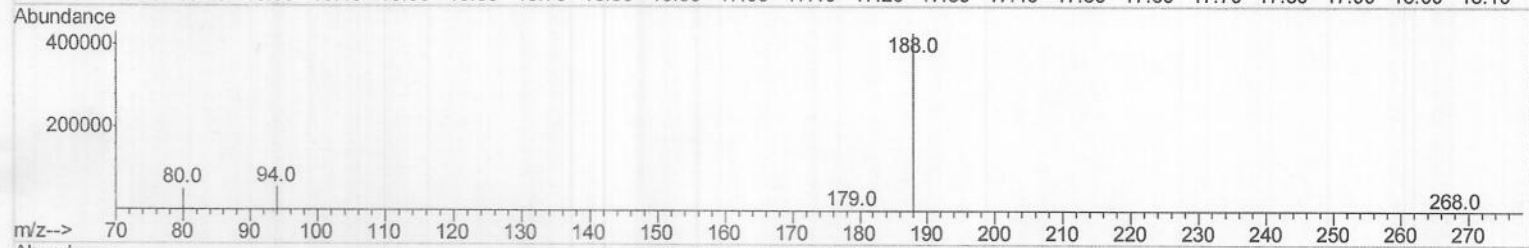
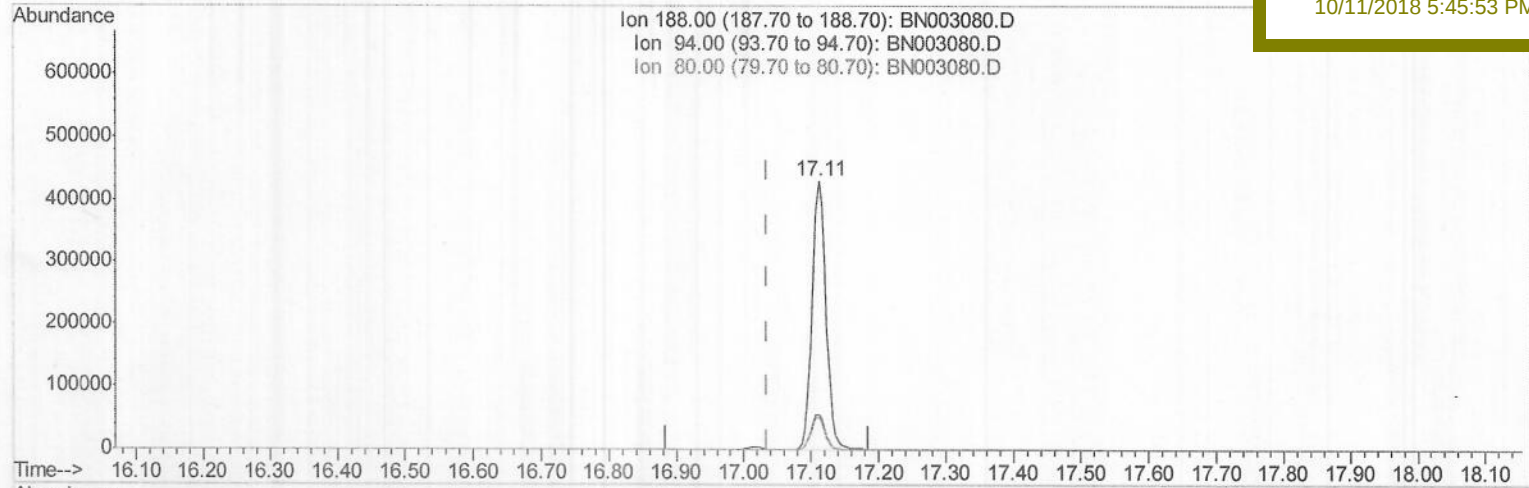
C0AD0

Manual Integrations

APPROVED

Sohil

10/11/2018 5:45:53 PM



(10) Phenanthrene-d10 (I)

17.111min (+0.076) 0.40ng/ul

response 622381

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	12.87
80.00	12.70	11.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003080.D
 Acq On : 11 Oct 2018 00:37
 Operator : MJ/SJ
 Sample : J5157-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

C0AD0

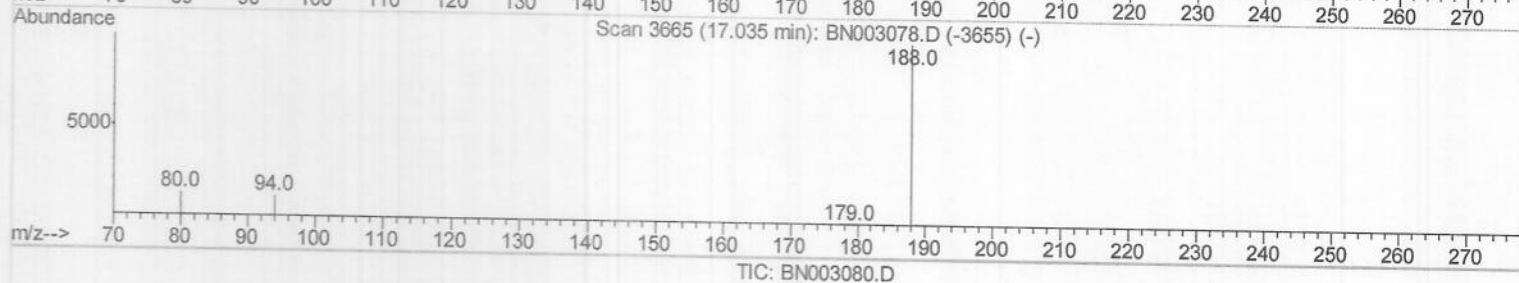
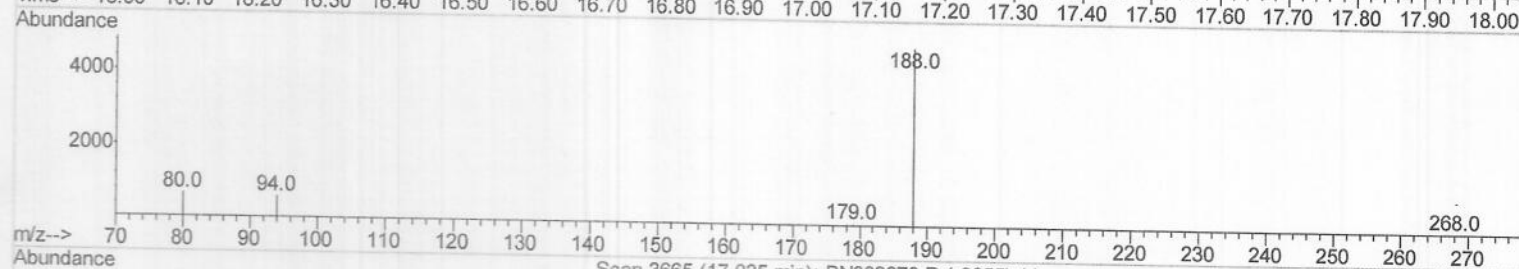
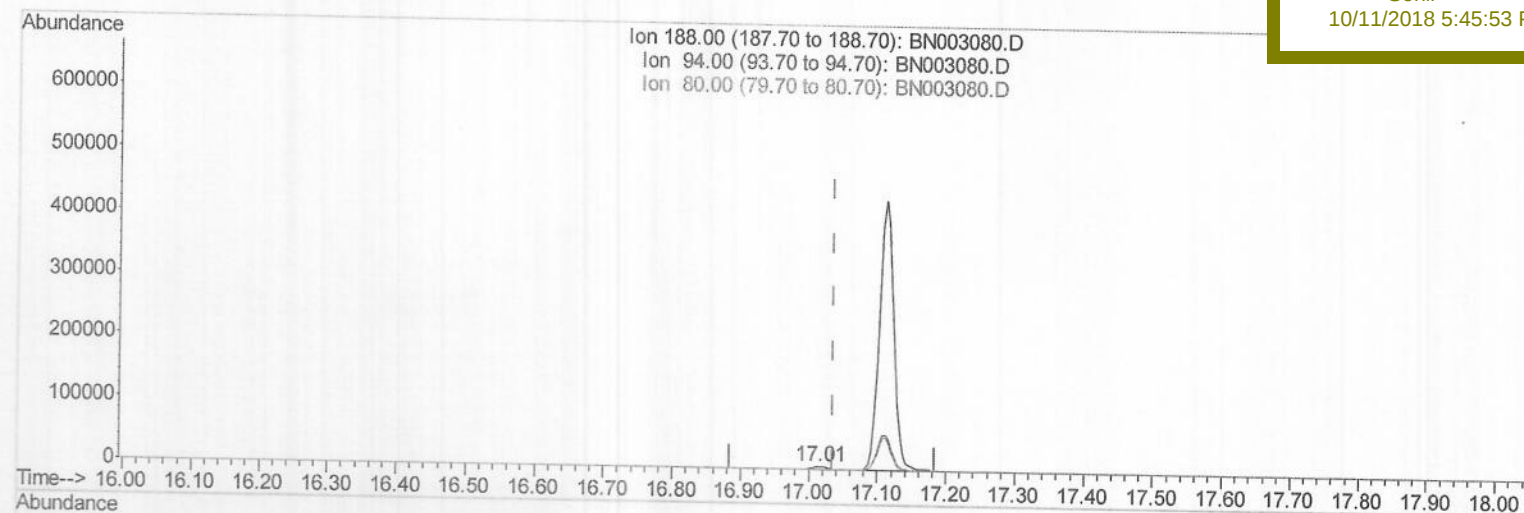
Manual Integrations

APPROVED

Sohil

10/11/2018 5:45:53 PM

Quant Time: Oct 11 08:13:24 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



(10) Phenanthrene-d10 (I)

17.014min (-0.021) 0.40ng/ul m

response 6871

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	12.33
80.00	12.70	13.54
0.00	0.00	0.00

57
10/15/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :

BNA_N

ClientSampleId :

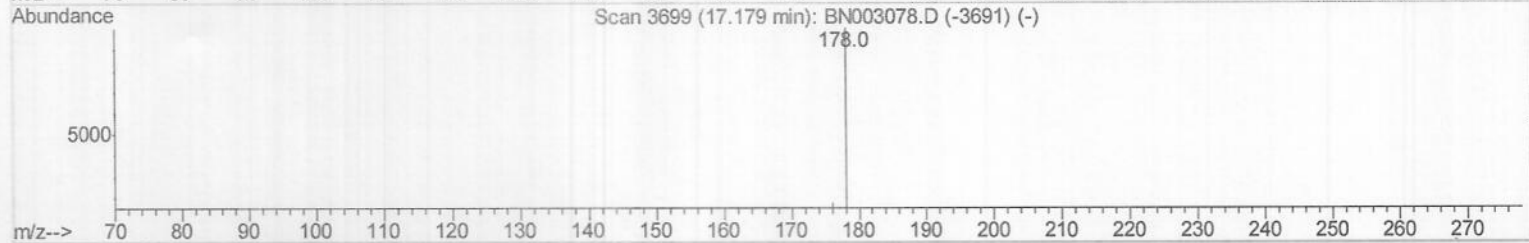
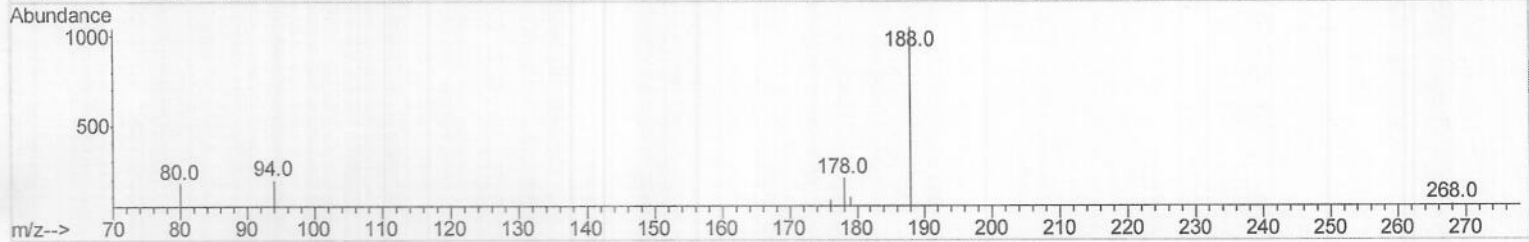
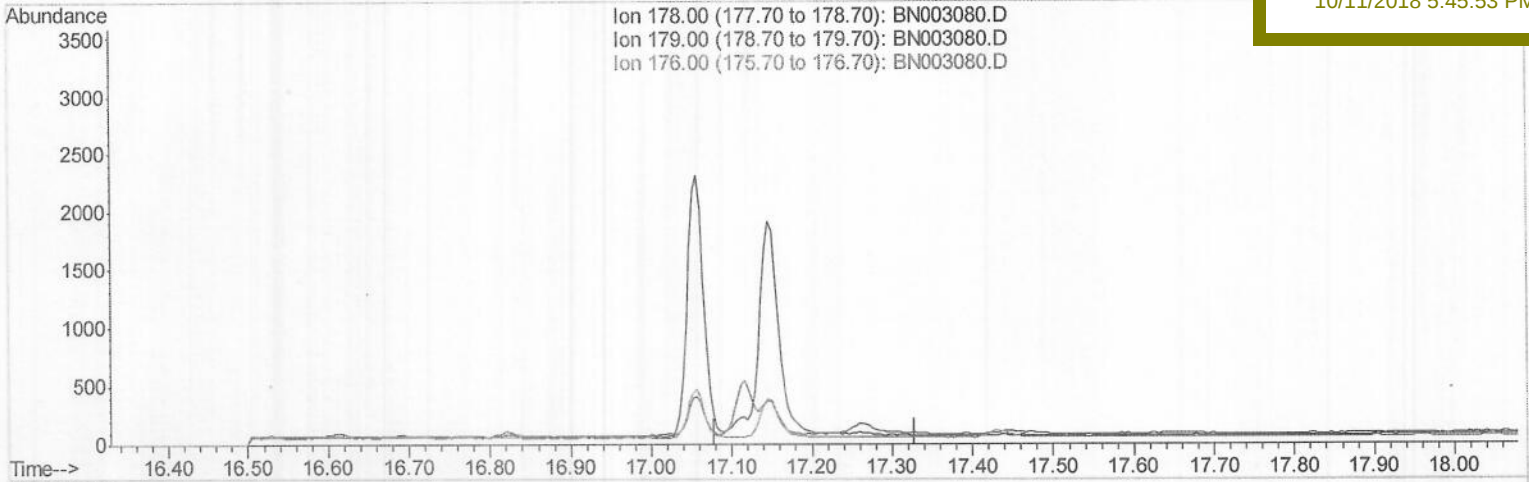
C0AD0

Manual Integrations

APPROVED

Sohil

10/11/2018 5:45:53 PM



TIC: BN003080.D

(13) Anthracene

17.179min (-17.179) 0.00ng/ul

response 0

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003080.D
Acq On : 11 Oct 2018 00:37
Operator : MJ/SJ
Sample : J5157-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :

BNA_N

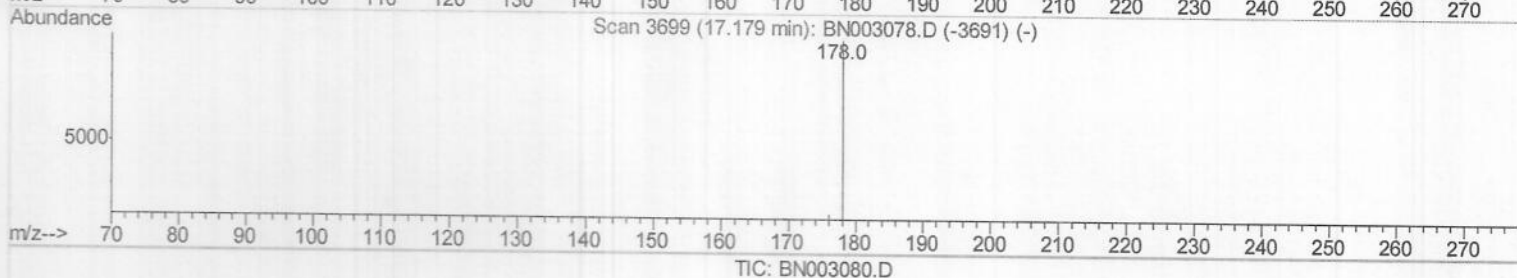
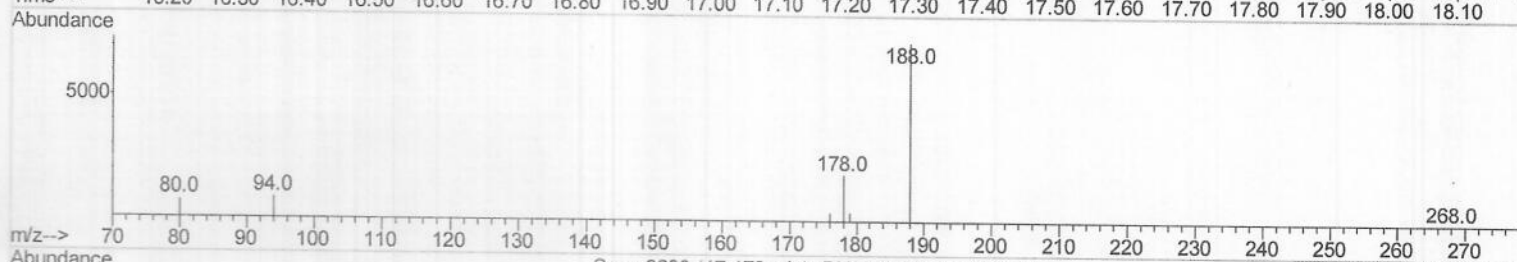
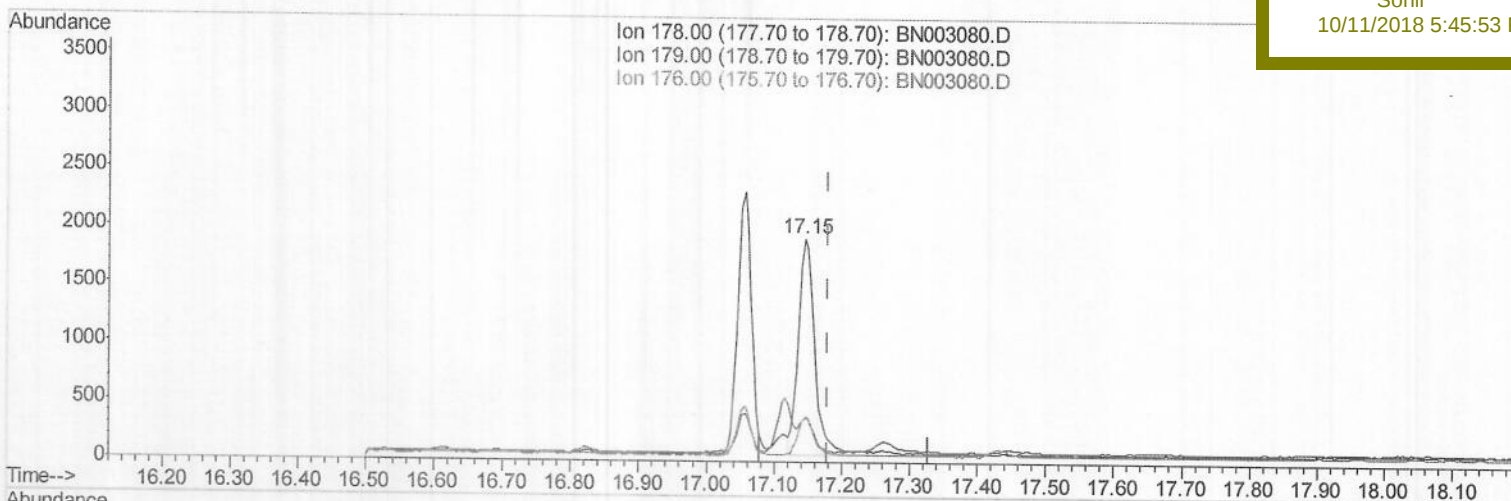
ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil

10/11/2018 5:45:53 PM



(13) Anthracene

17.145min (-0.034) 0.17ng/ul m

response 3063

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	19.85#
176.00	19.10	20.22
0.00	0.00	0.00

SJ
10/15/18

Quantitation Report (Qedit)

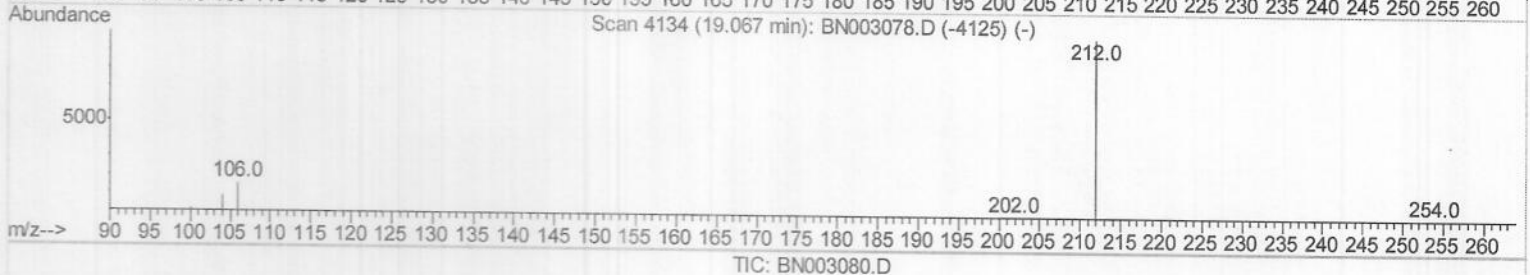
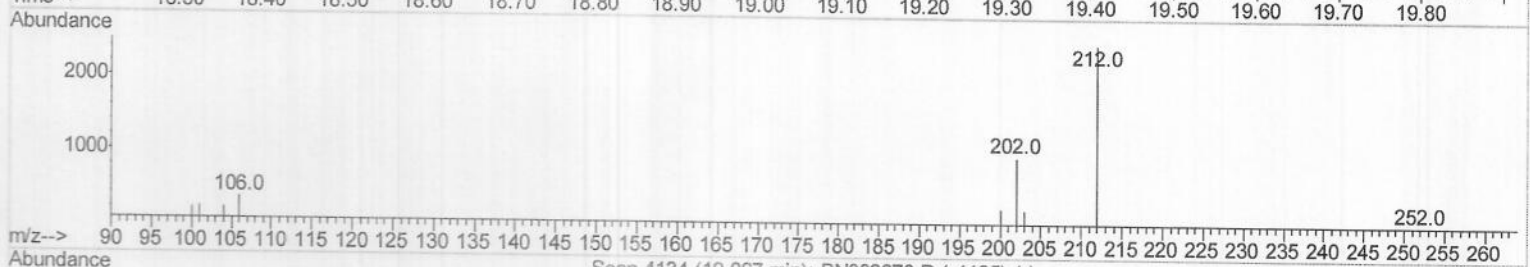
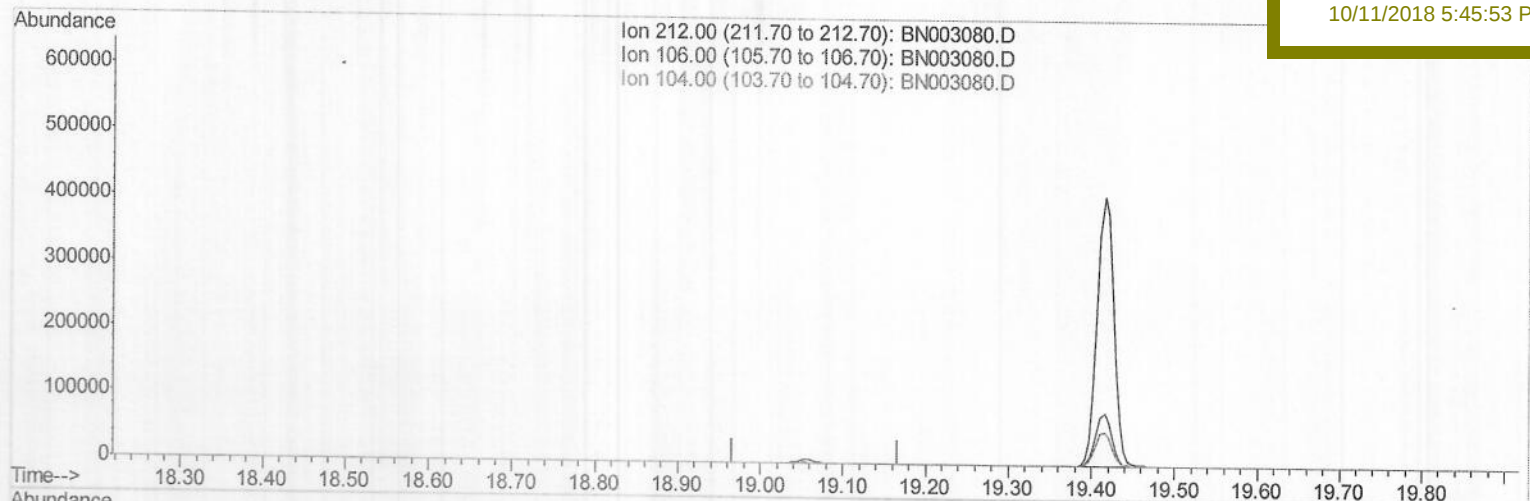
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003080.D
 Acq On : 11 Oct 2018 00:37
 Operator : MJ/SJ
 Sample : J5157-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :
 BNA_N
ClientSampleId :
 C0AD0

Manual Integrations
APPROVED

Sohil
 10/11/2018 5:45:53 PM



(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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :

BNA_N

ClientSampleId :

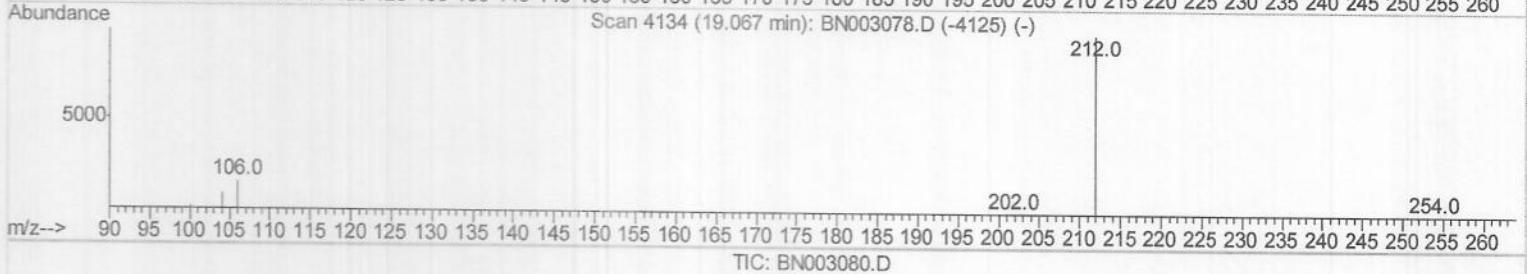
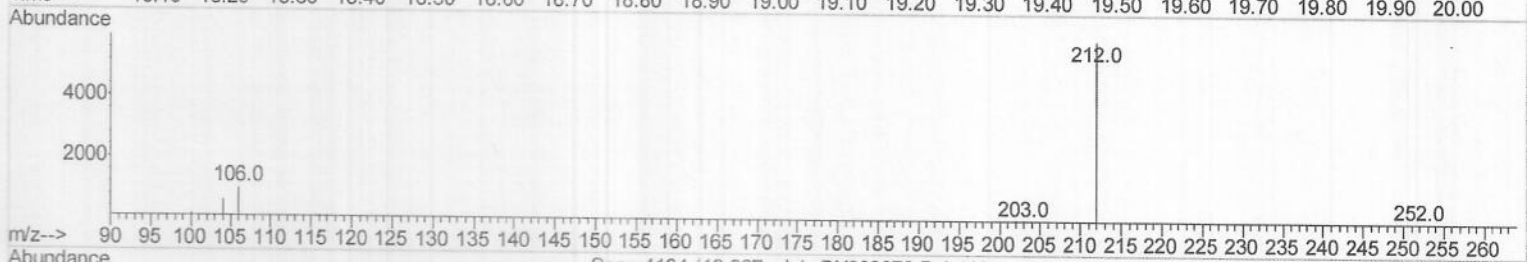
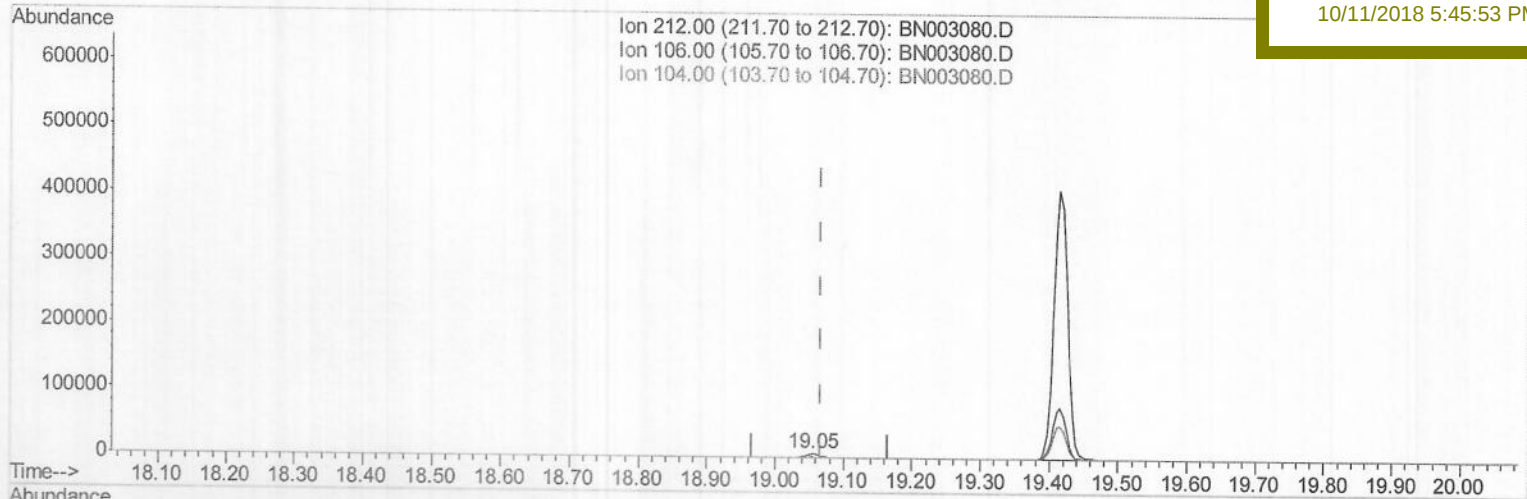
C0AD0

Manual Integrations

APPROVED

Sohil

10/11/2018 5:45:53 PM



(14) Fluoranthene-d10 (SURR)

19.053min (-0.014) 0.42ng/ul m

response 8295

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

SJ
10/11/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :

BNA_N

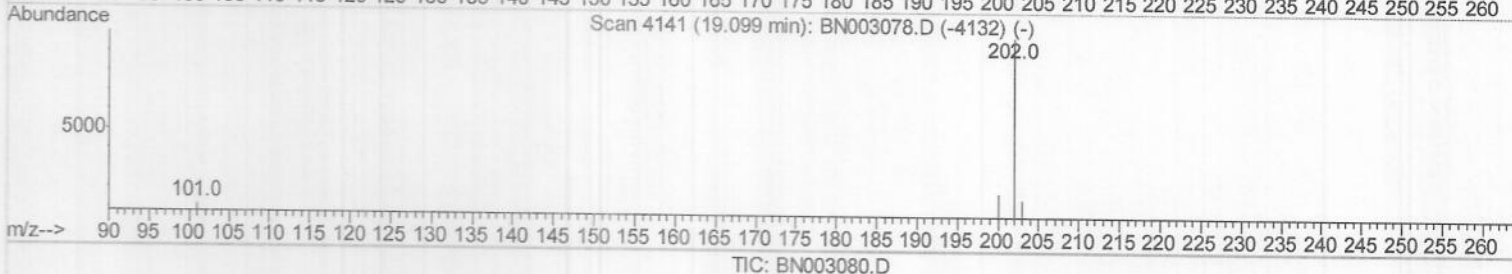
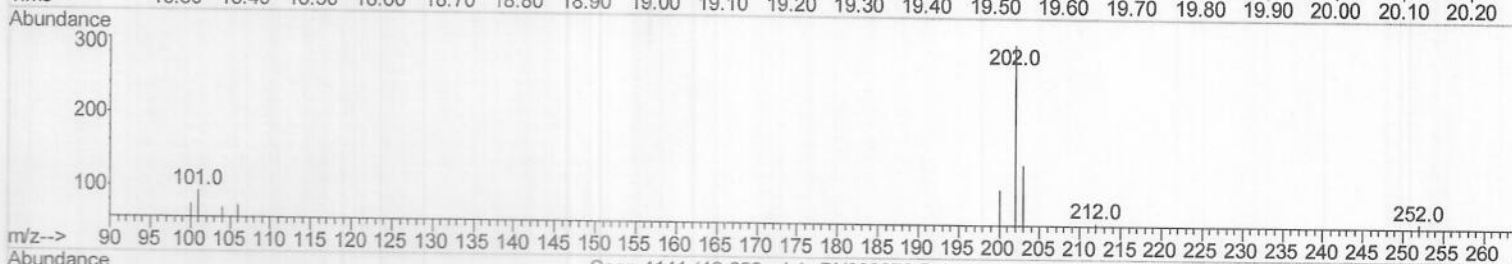
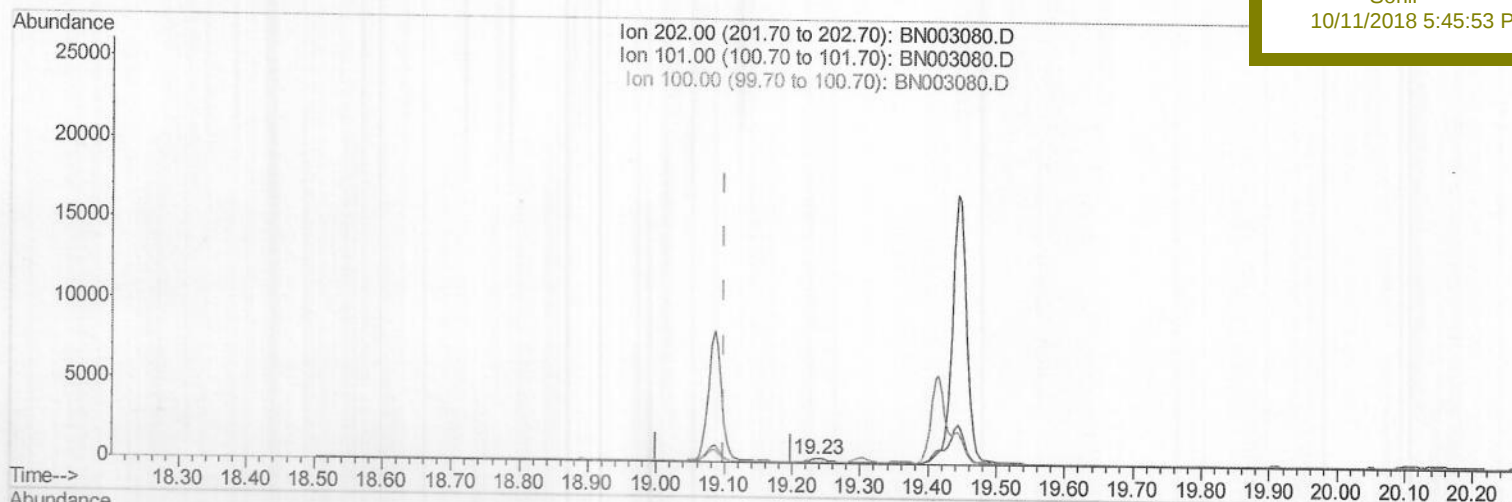
ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil

10/11/2018 5:45:53 PM



(15) Fluoranthene (C)

19.234min (+0.135) 0.01ng/ul

response 304

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	30.79
100.00	9.10	24.83
0.00	0.00	0.00

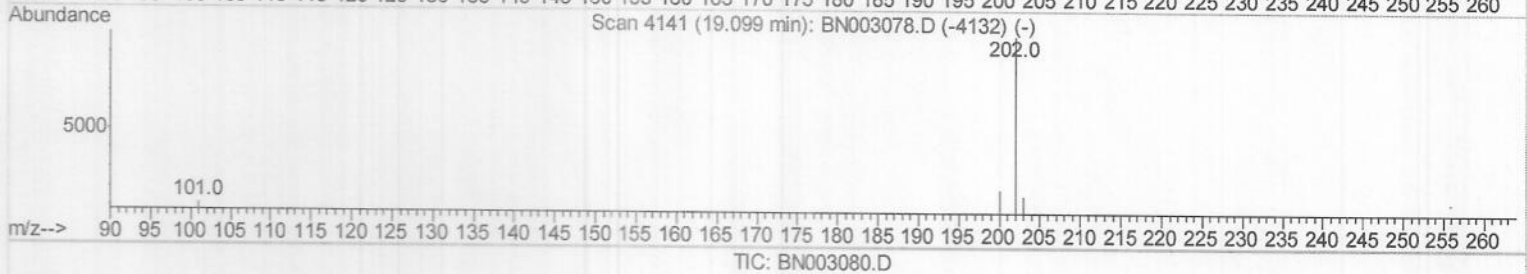
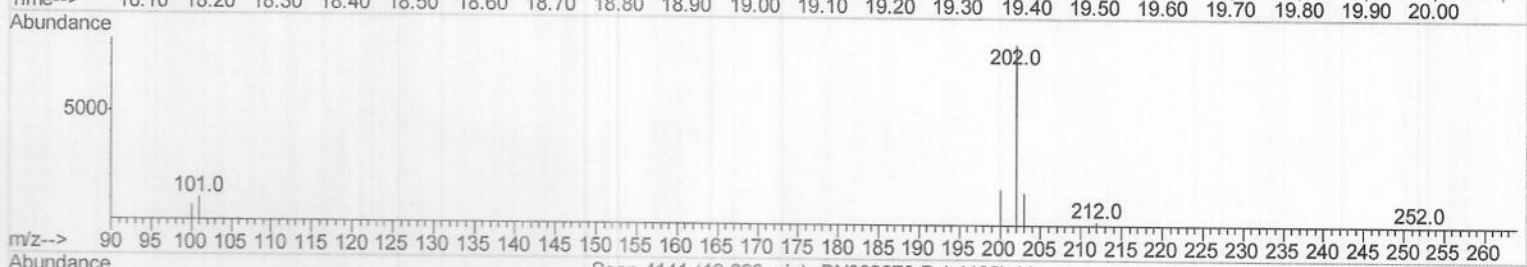
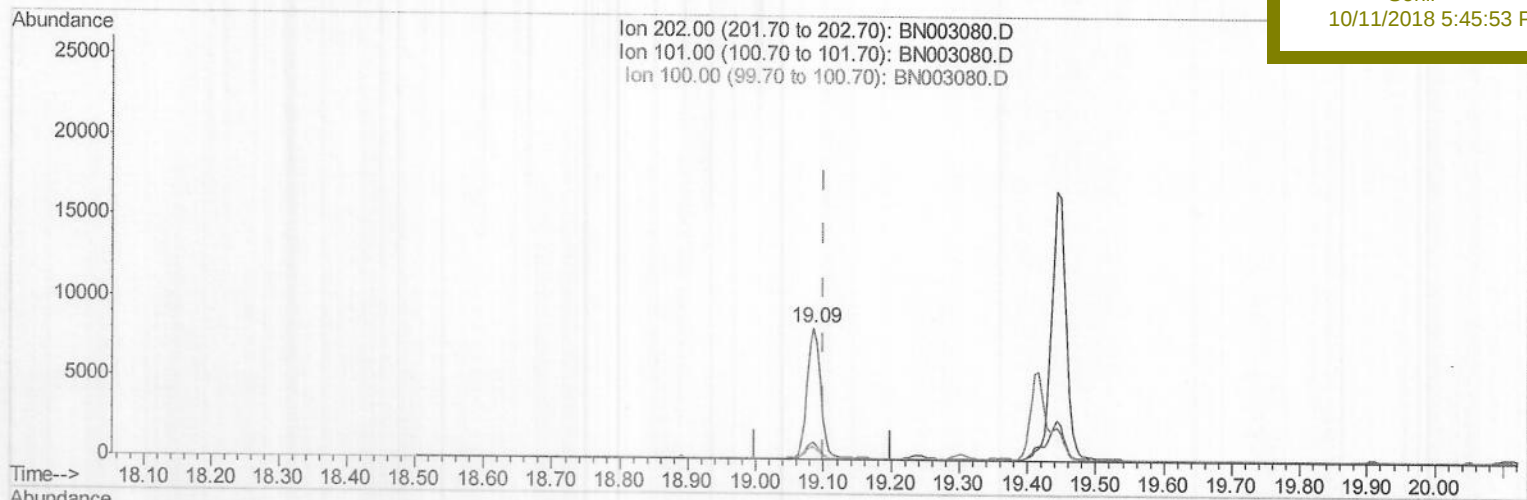
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003080.D
Acq On : 11 Oct 2018 00:37
Operator : MJ/SJ
Sample : J5157-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :
BNA_N
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:53 PM



(15) Fluoranthene (C)

19.086min (-0.014) 0.50ng/ul m

response 11252

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.65
100.00	9.10	9.06
0.00	0.00	0.00

57
10115118

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :

BNA_N

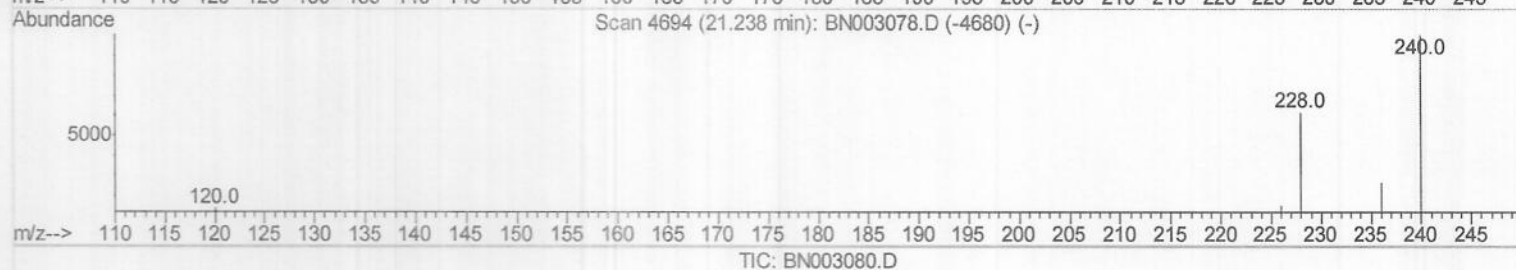
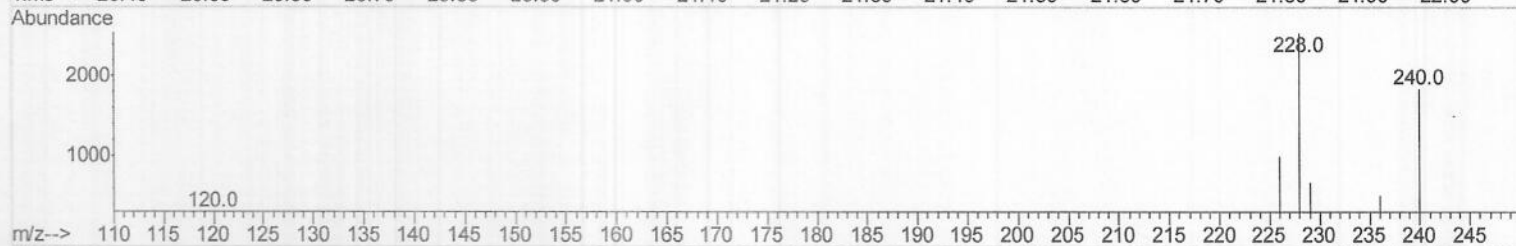
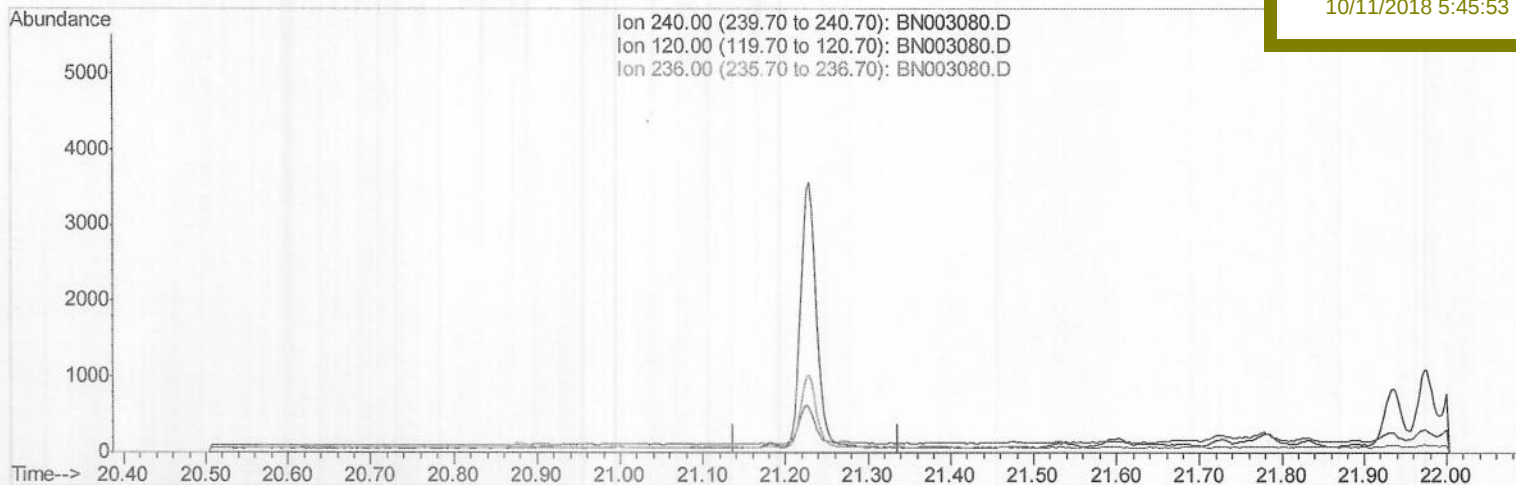
ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil

10/11/2018 5:45:53 PM



(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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:25:28 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

Instrument :

BNA_N

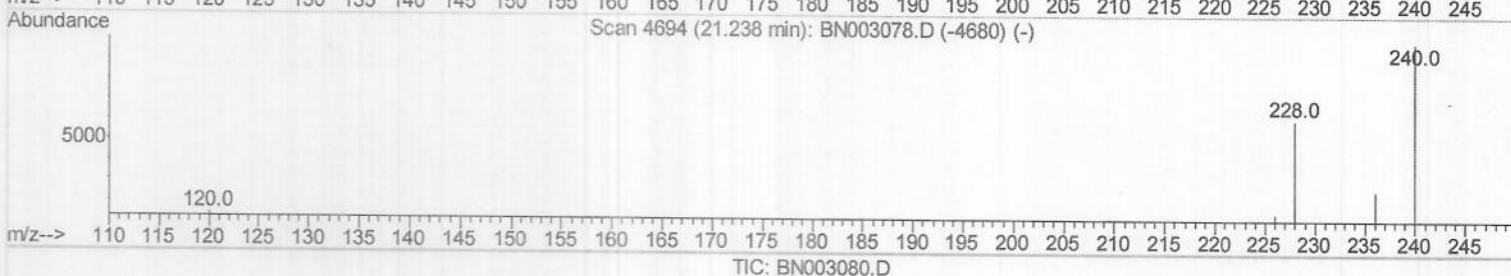
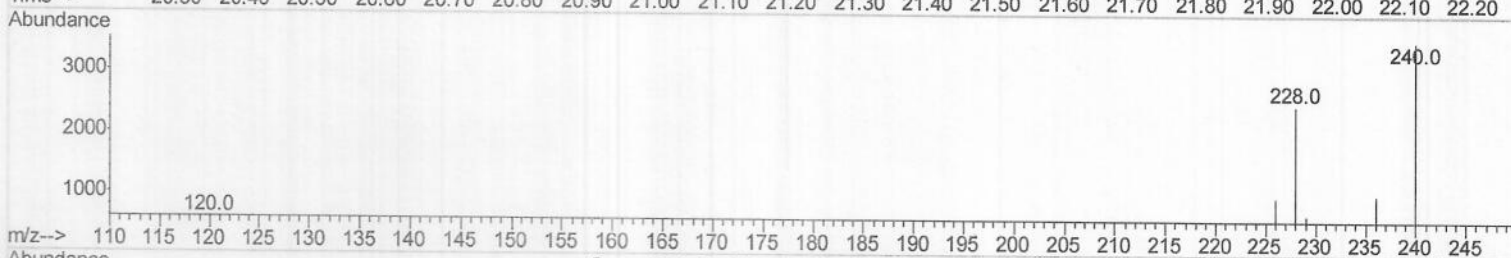
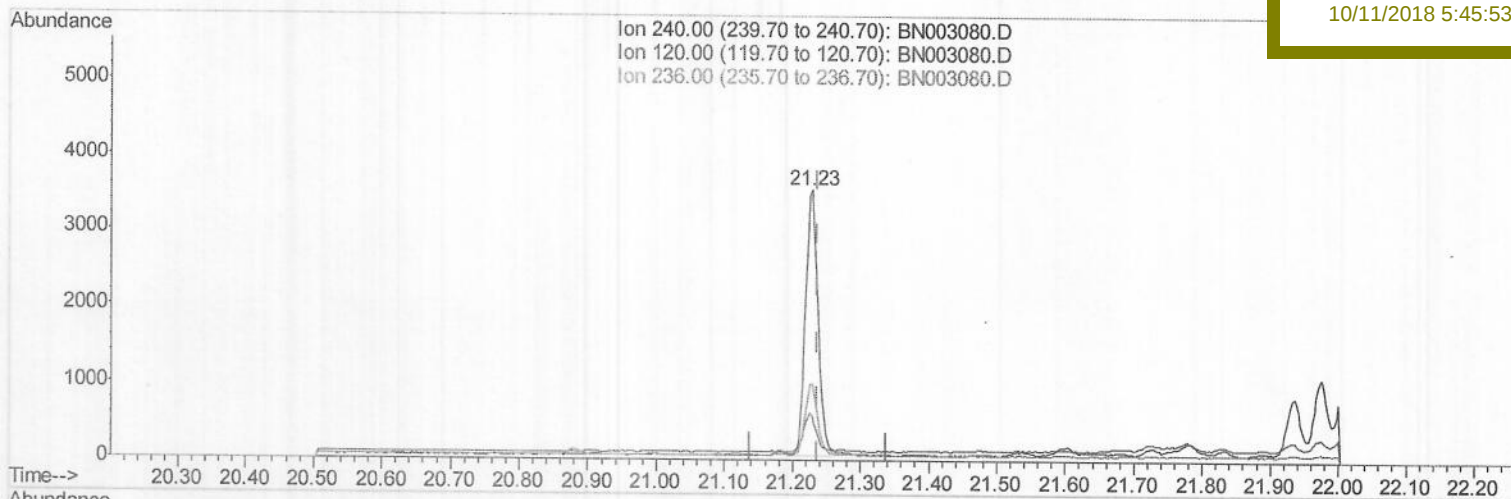
ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil

10/11/2018 5:45:53 PM



(16) Chrysene-d12 (I)

21.229min (-0.009) 0.40ng/ul m

response 4474

Ion	Exp%	Act%
240.00	100	100
120.00	16.40	16.53
236.00	28.10	28.50
0.00	0.00	0.00

57
10/11/18

Quantitation Report (Qedit)

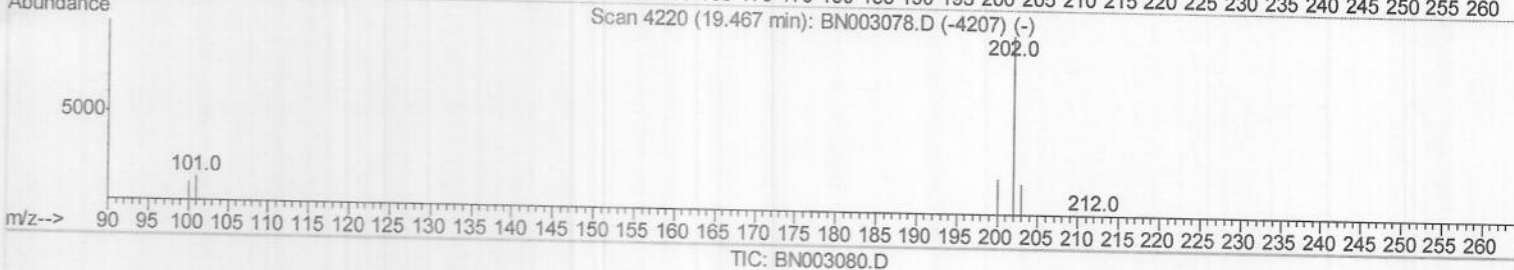
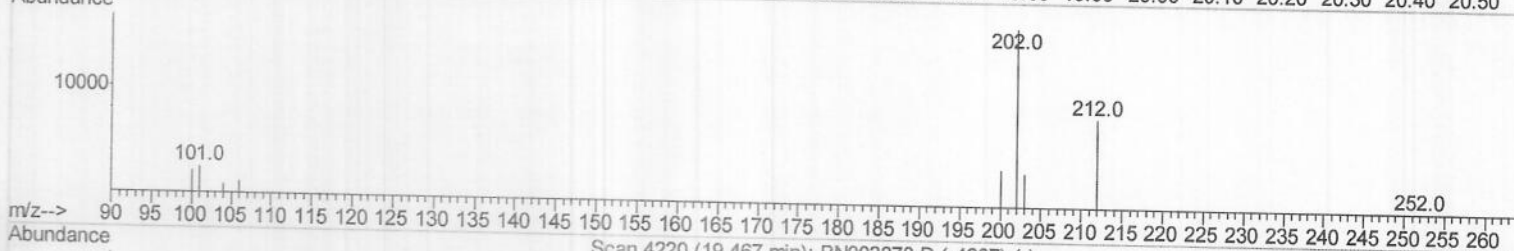
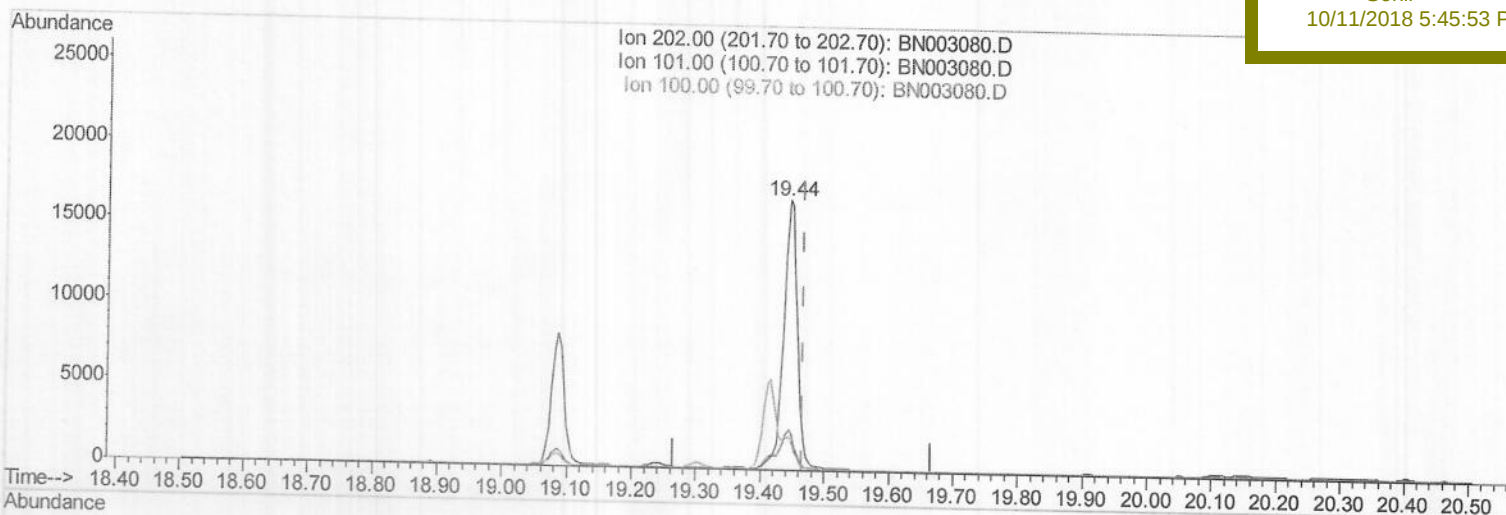
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003080.D
 Acq On : 11 Oct 2018 00:37
 Operator : MJ/SJ
 Sample : J5157-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:26:32 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

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:53 PM



(17) Pyrene

19.443min (-0.023) 1.45ng/ul

response 25193

Ion	Exp%	Act%
202.00	100	100
101.00	14.90	14.91
100.00	12.40	12.31
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:26:32 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

Instrument :

BNA_N

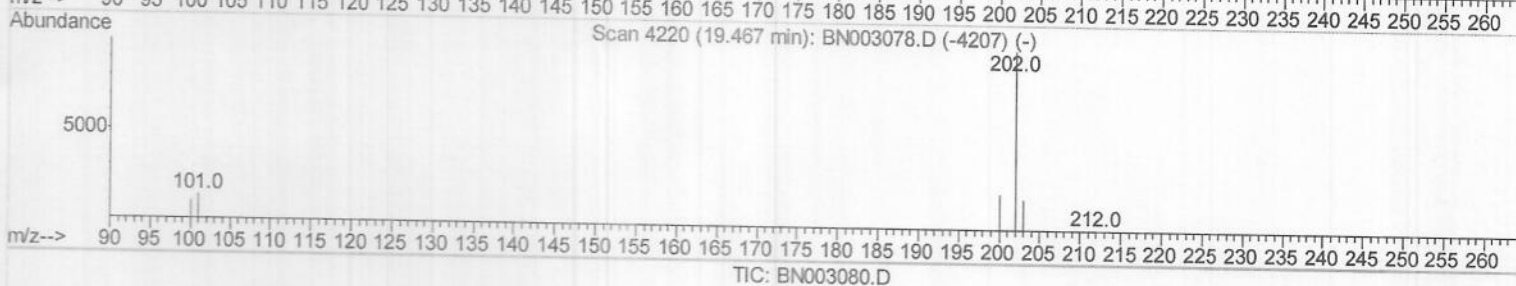
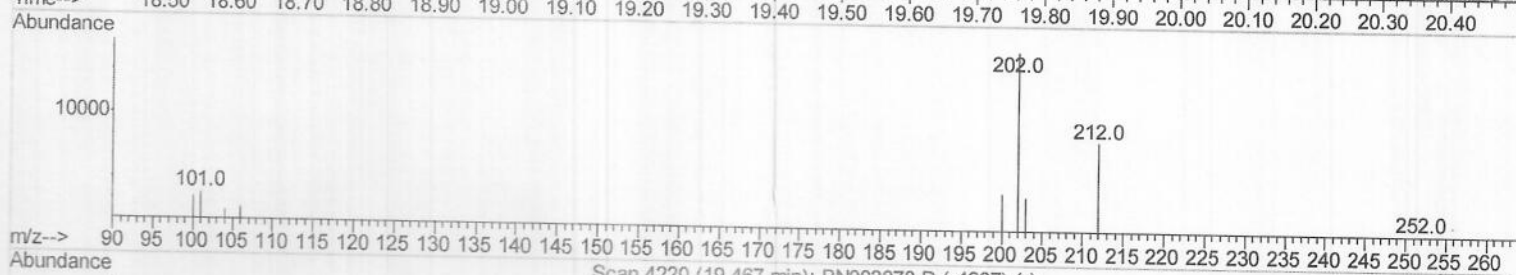
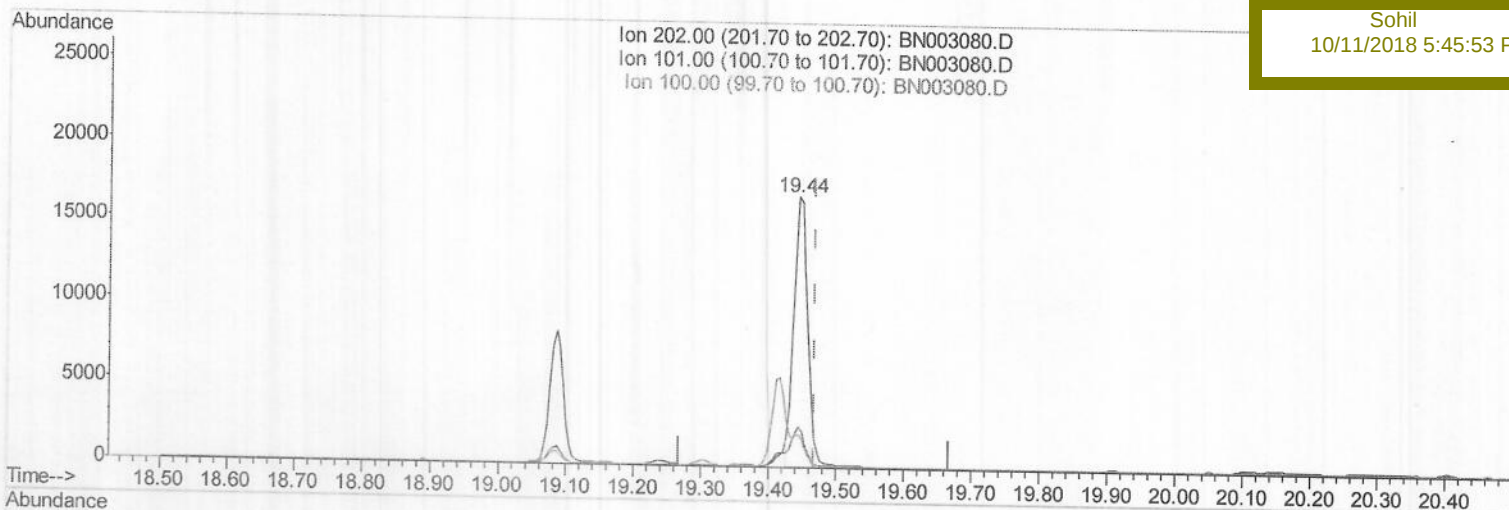
ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil

10/11/2018 5:45:53 PM



(17) Pyrene

19.443min (-0.023) 1.38ng/ul m

response 24064

Ion	Exp%	Act%
202.00	100	100
101.00	14.90	14.91
100.00	12.40	12.31
0.00	0.00	0.00

57
10/11/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:26:32 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

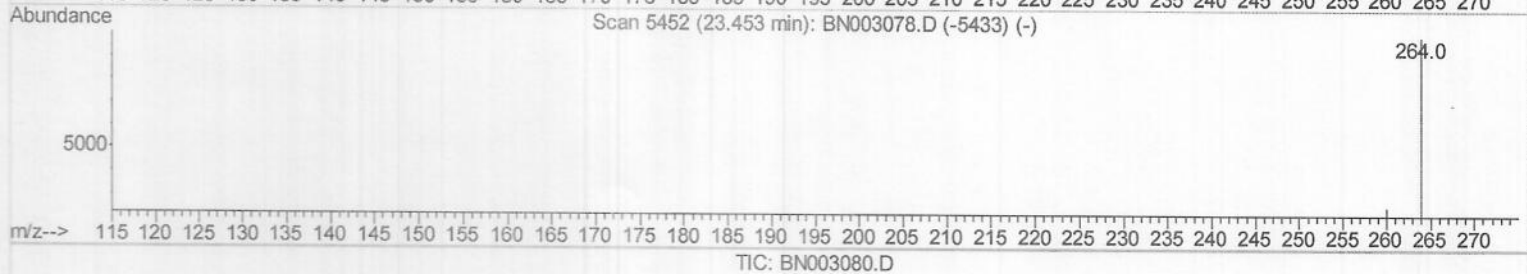
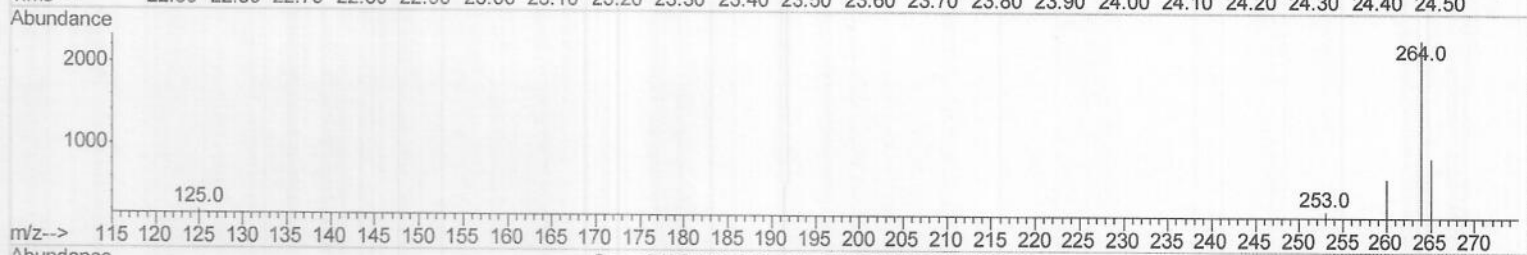
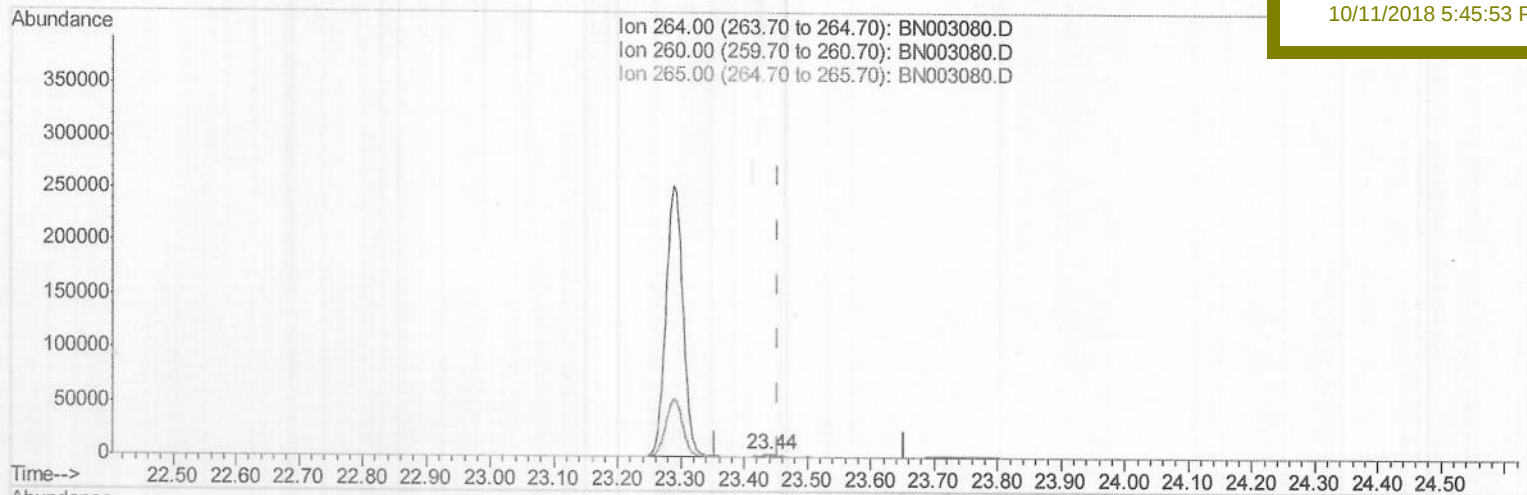
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD0

Manual Integrations
APPROVEDSohil
10/11/2018 5:45:53 PM

(20) Perylene-d12 (I)

23.439min (-0.015) 0.40ng/ul

response 5230

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	27.01
265.00	45.40	37.85
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003080.D
Acq On : 11 Oct 2018 00:37
Operator : MJ/SJ
Sample : J5157-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:26:32 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

Instrument :

BNA_N

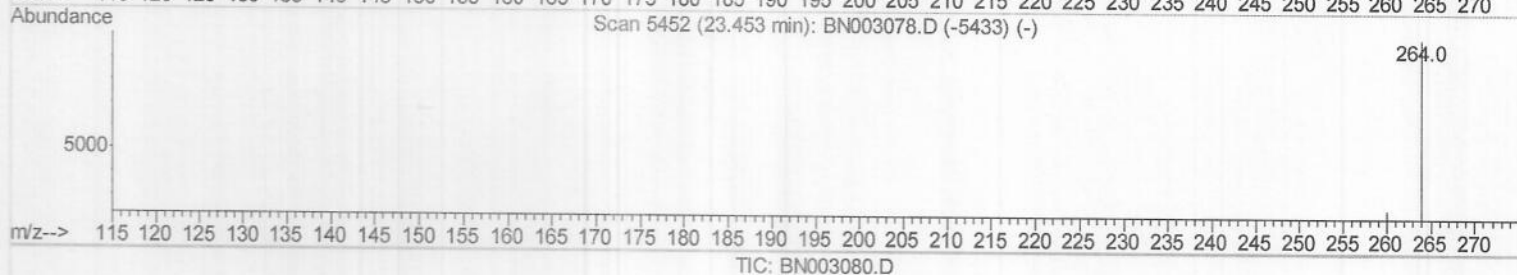
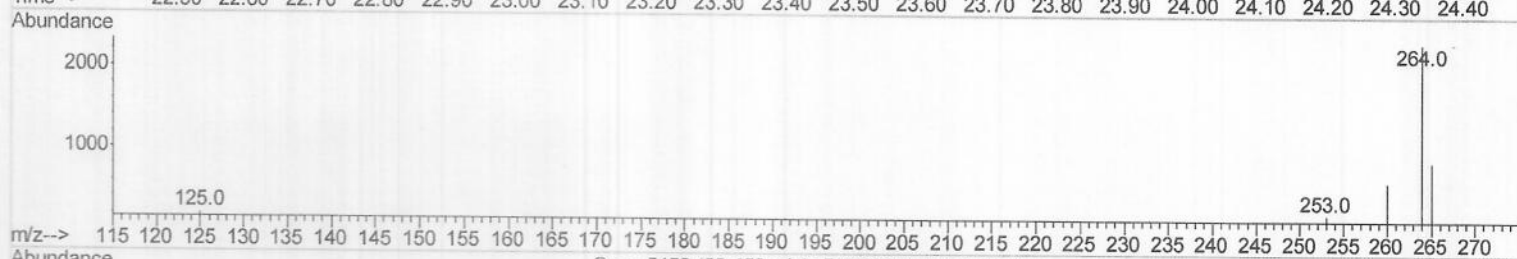
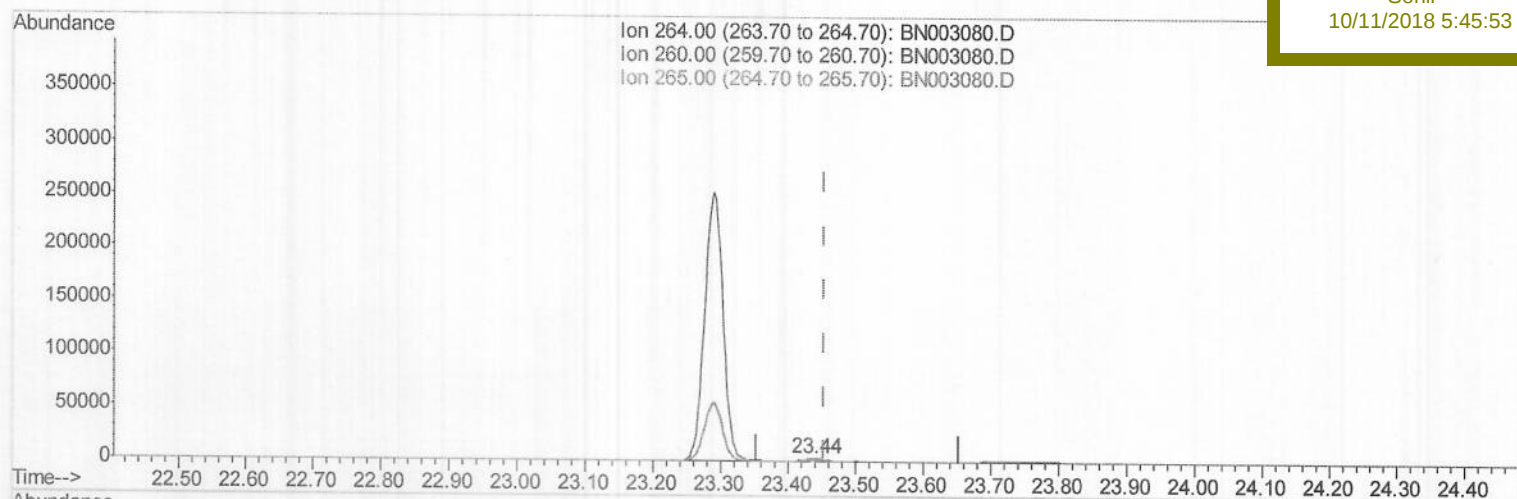
ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil

10/11/2018 5:45:53 PM



(20) Perylene-d12 (I)

23.439min (-0.015) 0.40ng/ul m

response 4150

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	27.01
265.00	45.40	37.85
0.00	0.00	0.00

SJ
10/11/18

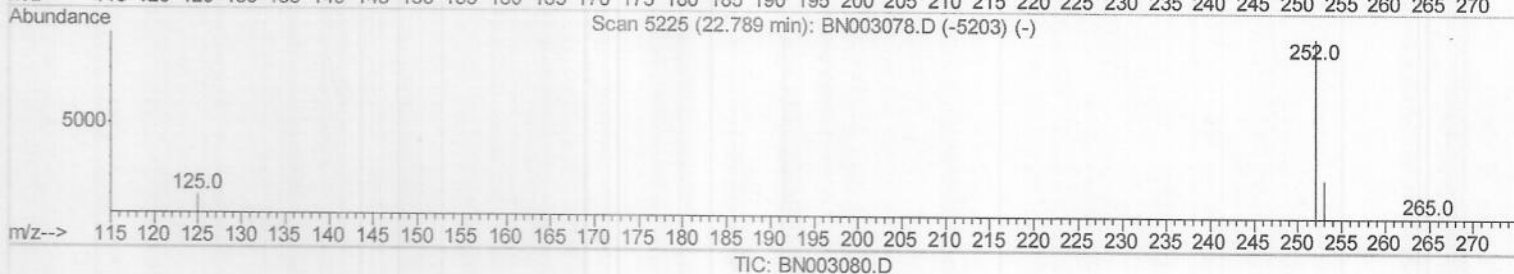
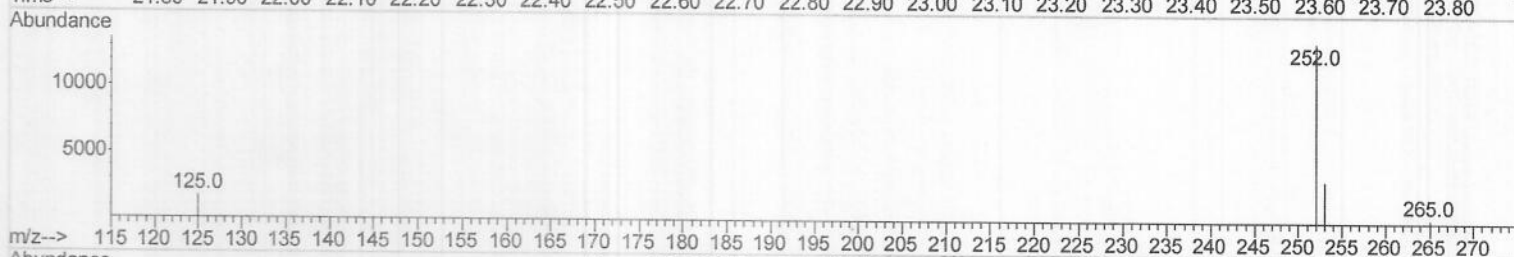
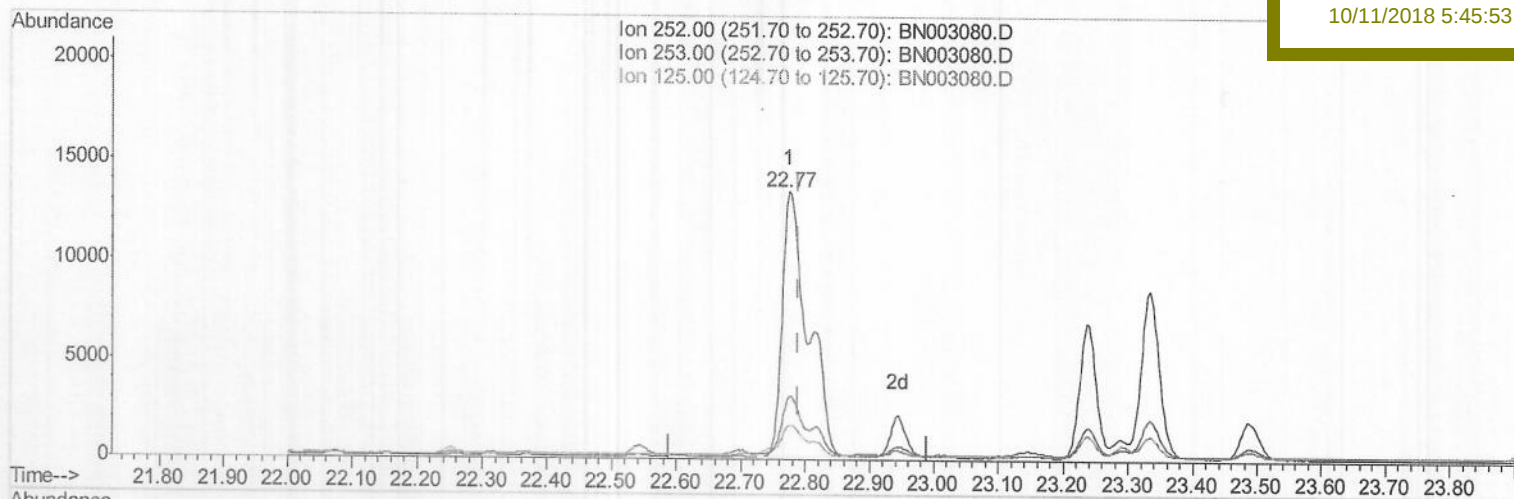
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003080.D
Acq On : 11 Oct 2018 00:37
Operator : MJ/SJ
Sample : J5157-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:27:17 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

Instrument :
BNA_N
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:53 PM



(21) Benzo(b)fluoranthene
22.775min (-0.015) 2.50ng/ul
response 37338

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.70
125.00	17.10	12.81
0.00	0.00	0.00

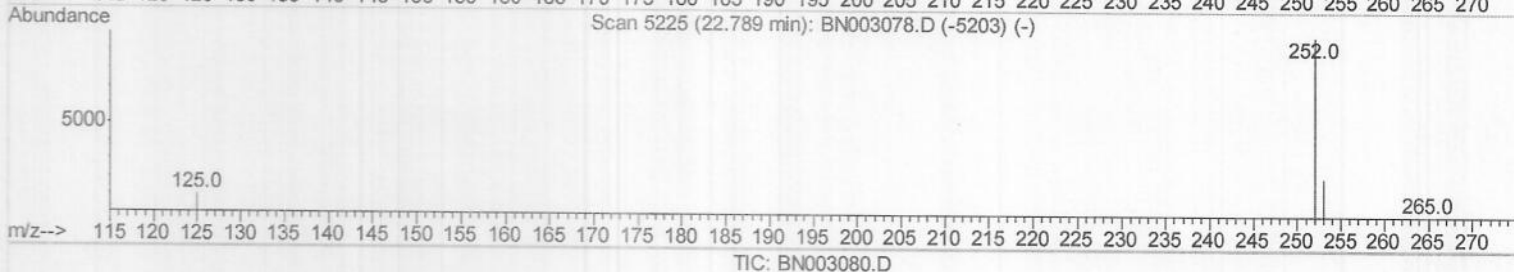
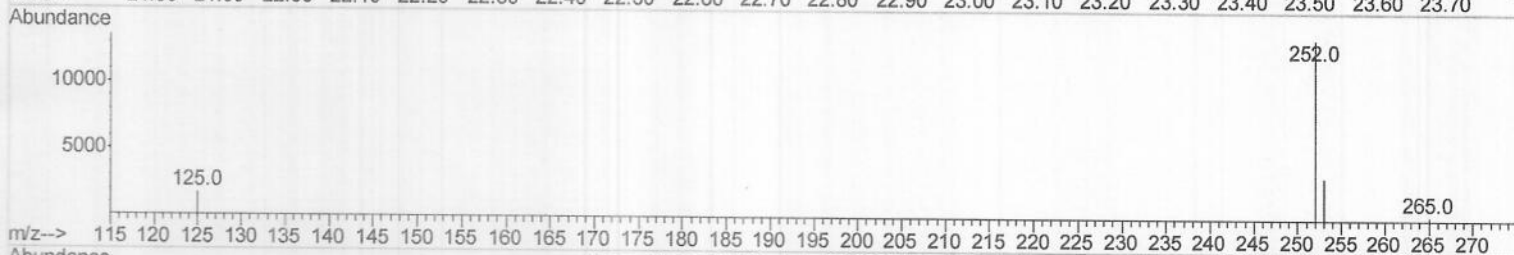
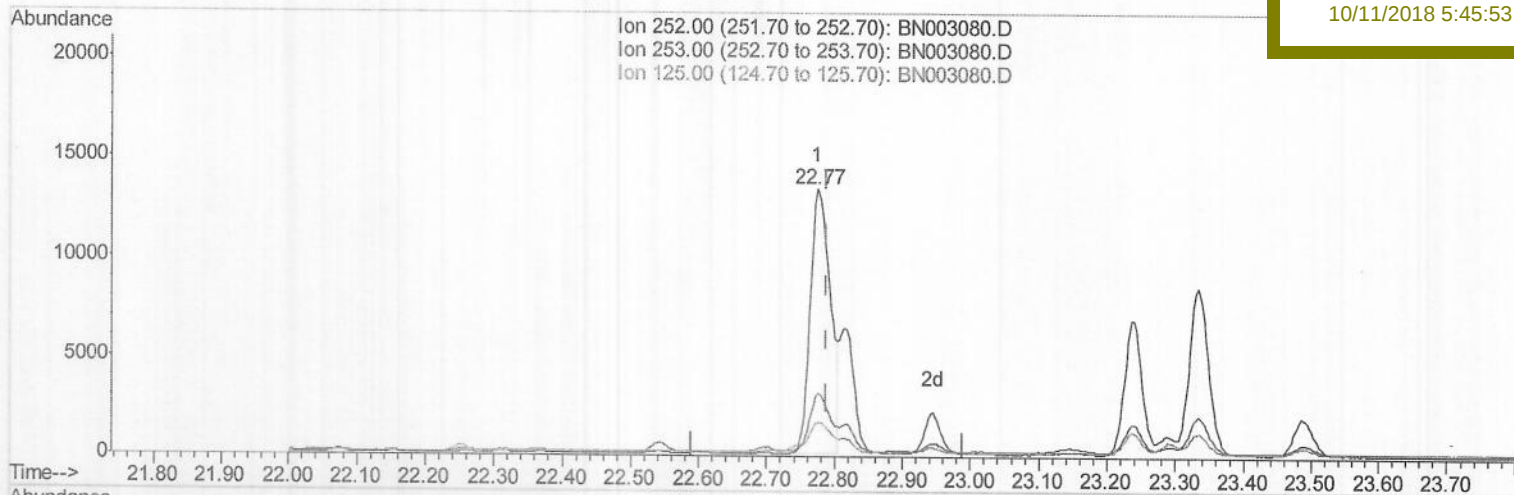
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
Data File : BN003080.D
Acq On : 11 Oct 2018 00:37
Operator : MJ/SJ
Sample : J5157-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:27:17 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

Instrument :
BNA_N
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/11/2018 5:45:53 PM



(21) Benzo(b)fluoranthene

22.775min (-0.015) 1.85ng/ul m

response 27576

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.70
125.00	17.10	12.81
0.00	0.00	0.00

53
10/11 118

Quantitation Report (Qedit)

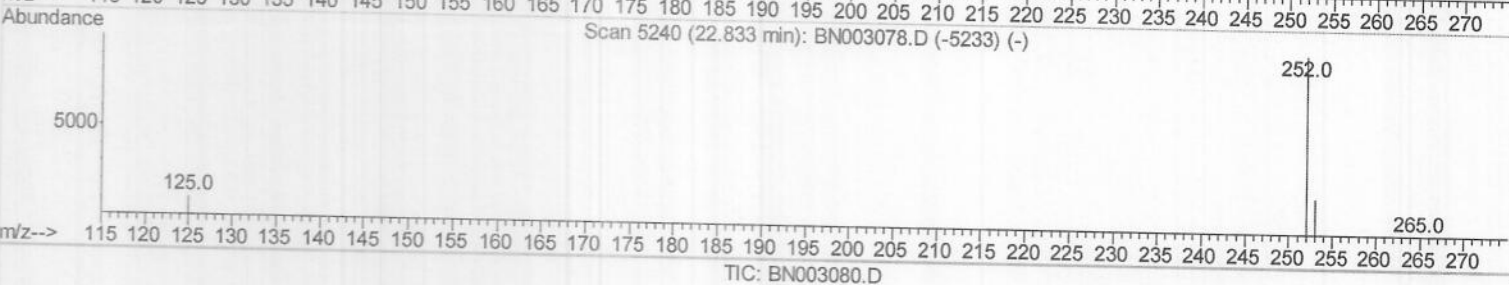
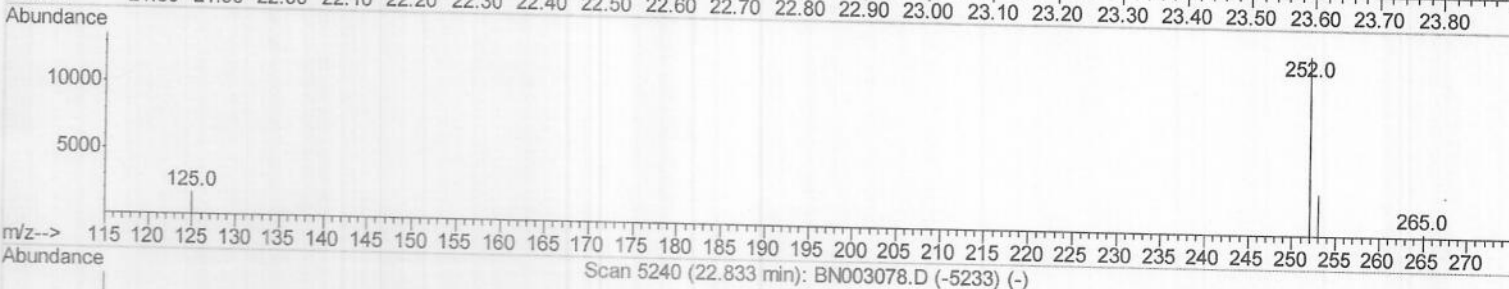
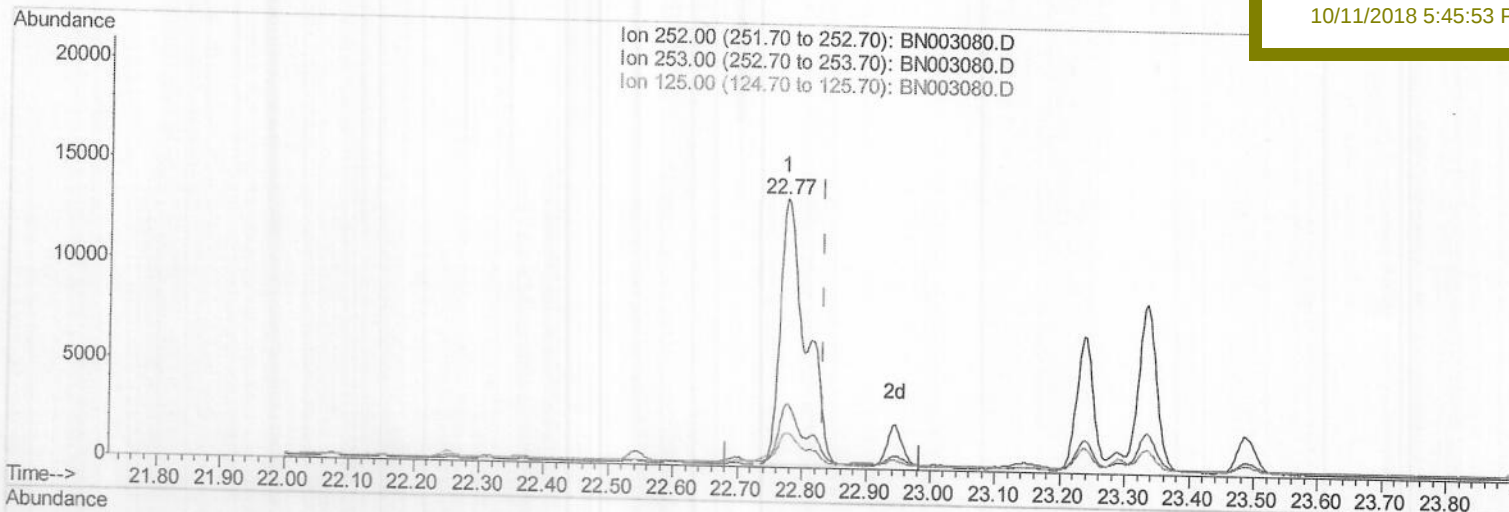
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003080.D
 Acq On : 11 Oct 2018 00:37
 Operator : MJ/SJ
 Sample : J5157-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:27:17 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

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:53 PM



(22) Benzo(k)fluoranthene
 22.775min (-0.058) 2.41ng/ul
 response 37338

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.70
125.00	17.60	12.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\

Data File : BN003080.D

Acq On : 11 Oct 2018 00:37

Operator : MJ/SJ

Sample : J5157-08

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 08:27:17 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

Instrument :

BNA_N

ClientSampleId :

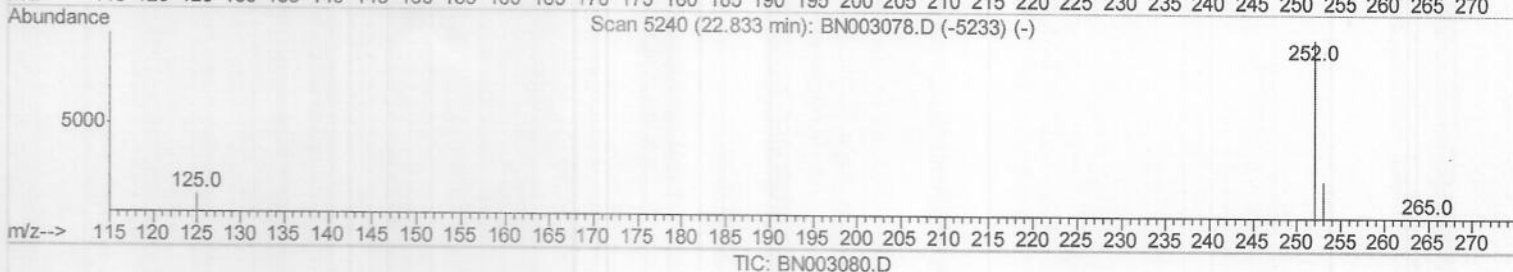
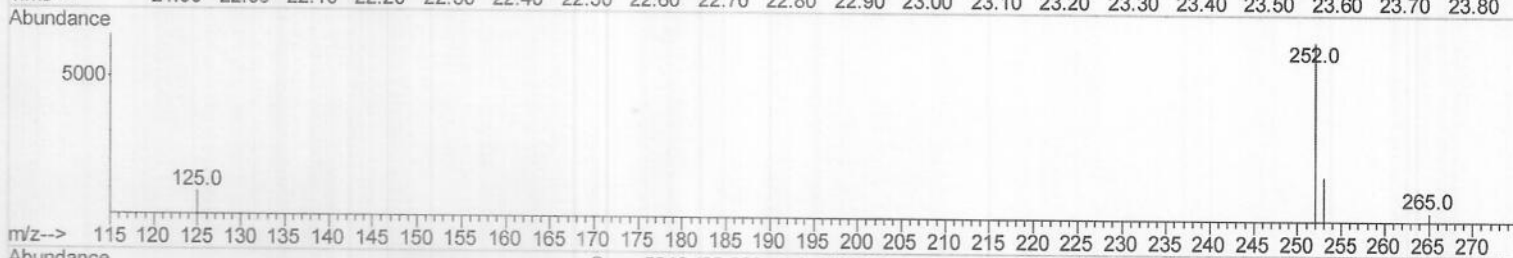
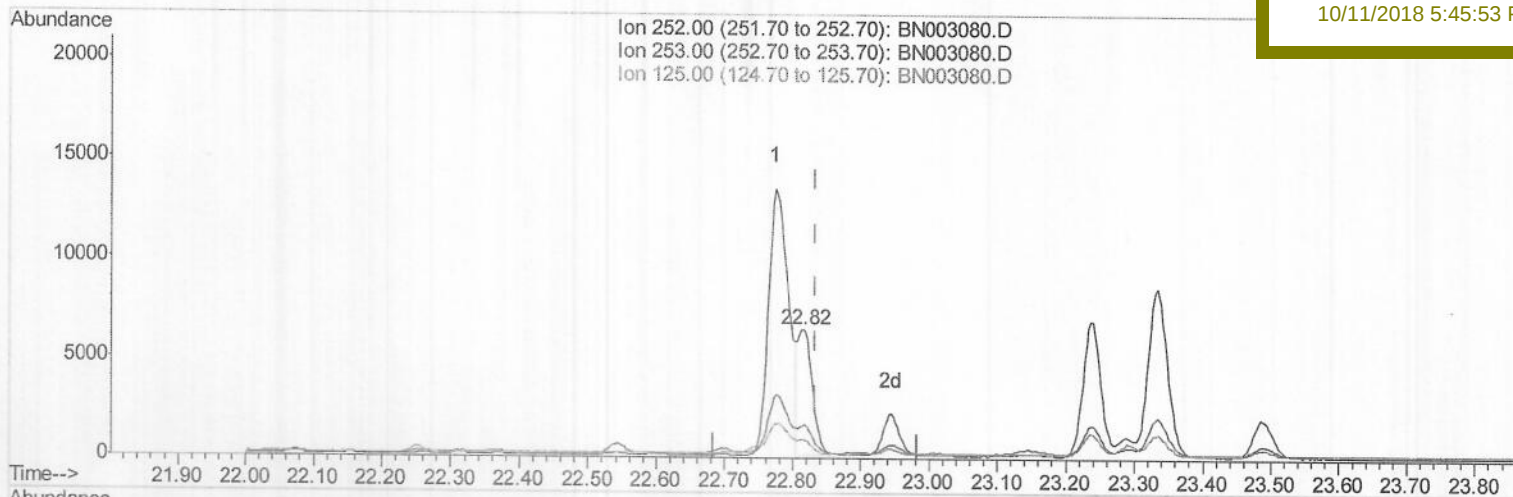
C0AD0

Manual Integrations

APPROVED

Sohil

10/11/2018 5:45:53 PM



(22) Benzo(k)fluoranthene

22.816min (-0.017) 0.63ng/ul m

response 9815

Ion Exp% Act%

252.00 100 100

253.00 26.60 25.24

125.00 17.60 13.85#

0.00 0.00 0.00

SJ
10/15 118

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003080.D
 Acq On : 11 Oct 2018 00:37
 Operator : MJ/SJ
 Sample : J5157-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:45:53 PM

Quant Time: Oct 11 08:27:53 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	1540	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	6272	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	3567	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.01	188	6871m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4474m	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4150m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	4371	0.45	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	8295m	0.42	ng/ul	-0.01
Target Compounds						
					Ovalue	
3) Naphthalene	10.44	128	1204	0.075	ng/ul#	87
7) Acenaphthylene	13.98	152	1889	0.116	ng/ul#	92
8) Acenaphthene	14.32	153	328	0.026	ng/ul#	94
9) Fluorene	15.32	166	436	0.031	ng/ul#	94
12) Phenanthrene	17.06	178	3202	0.167	ng/ul	97
13) Anthracene	17.15	178	3063m	0.169	ng/ul	
15) Fluoranthene	19.09	202	11252m	0.501	ng/ul	
17) Pyrene	19.44	202	24064m	1.385	ng/ul	
18) Benzo(a)anthracene	21.21	228	10847	0.753	ng/ul	98
19) Chrysene	21.26	228	12121	0.829	ng/ul	100
21) Benzo(b)fluoranthene	22.77	252	27576m	1.845	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	9815m	0.633	ng/ul	
23) Benzo(a)pyrene	23.33	252	16759	1.251	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.65	276	9881	0.642	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.65	278	2607	0.212	ng/ul	91
26) Benzo(a,h,i)perylene	26.33	276	7560	0.582	ng/ul	98

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