

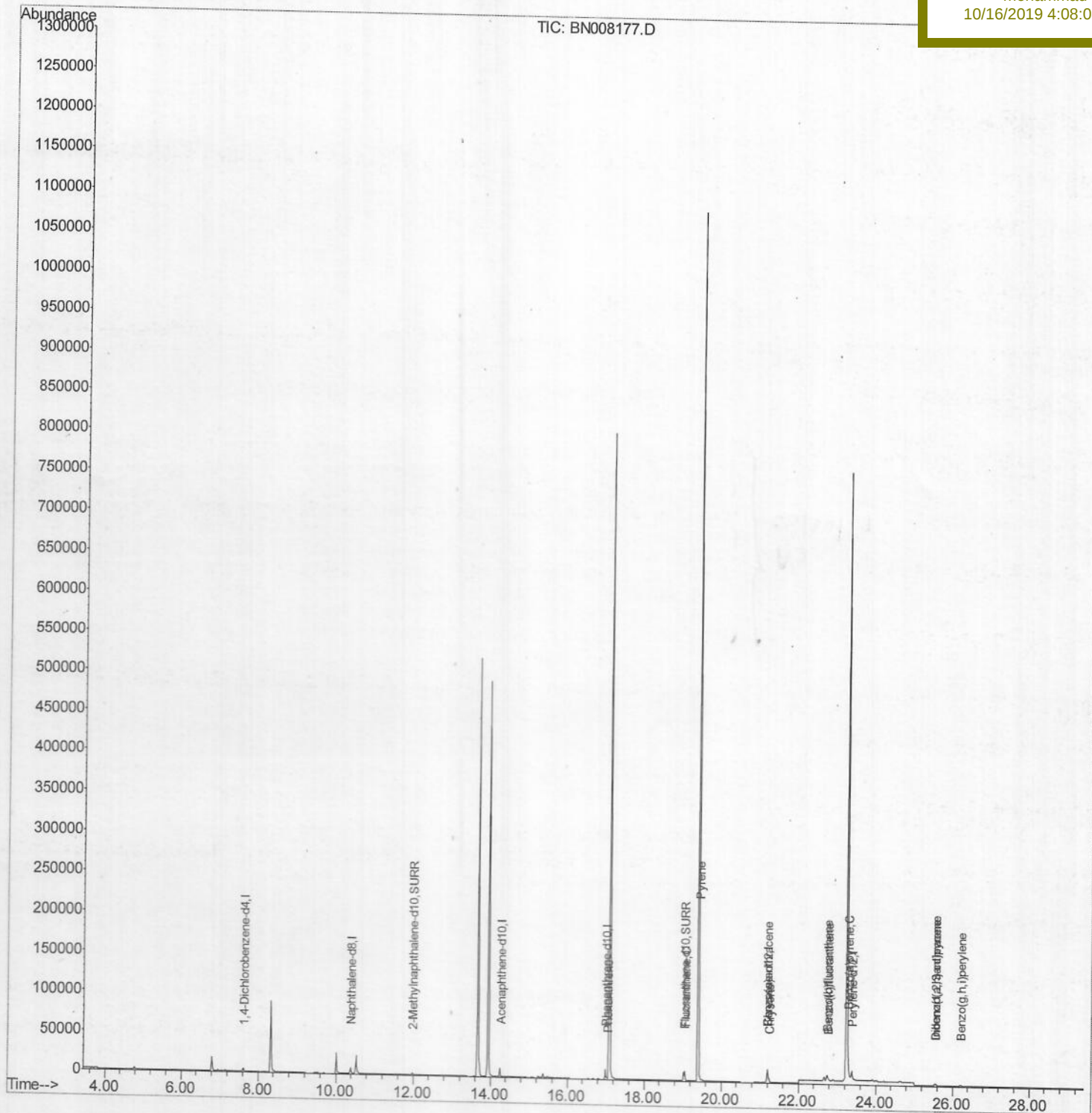
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008177.D
Acq On : 15 Oct 2019 17:26
Operator : JU
Sample : K5175-07
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:56:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP87

Manual Integrations
APPROVED

mohammad
10/16/2019 4:08:08 PM



Quantitation Report (Qedit)

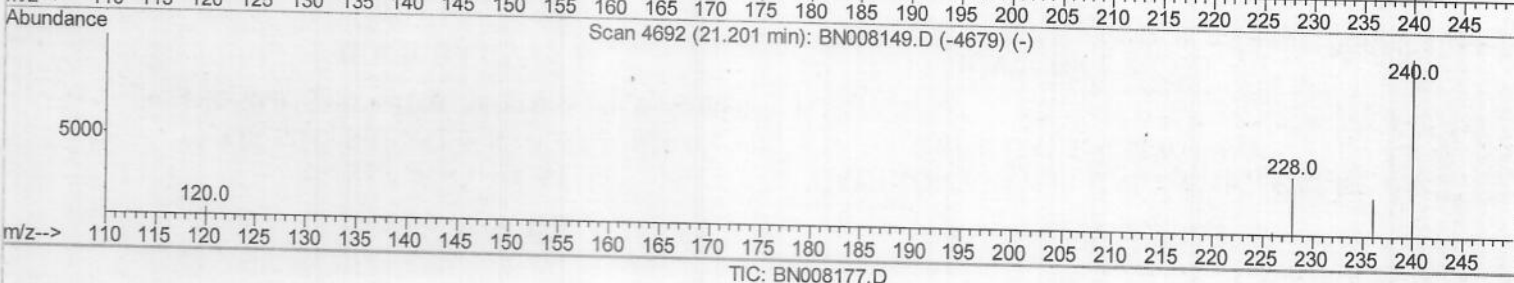
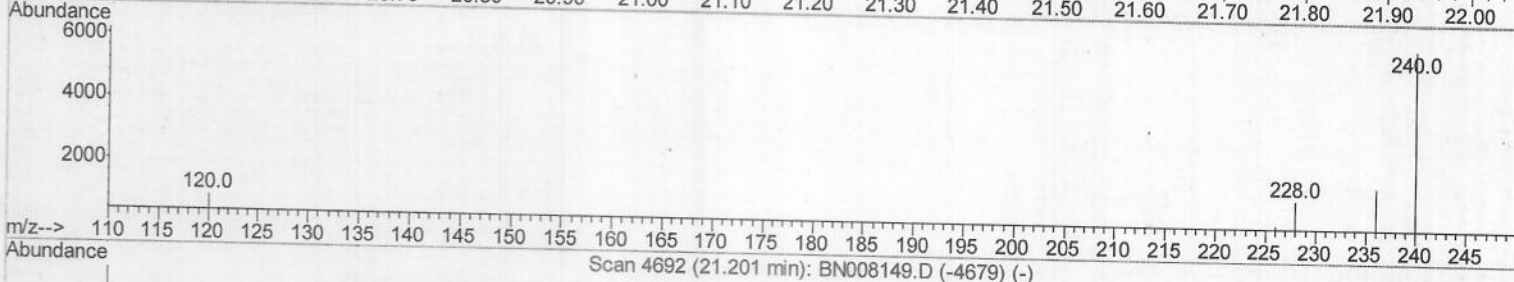
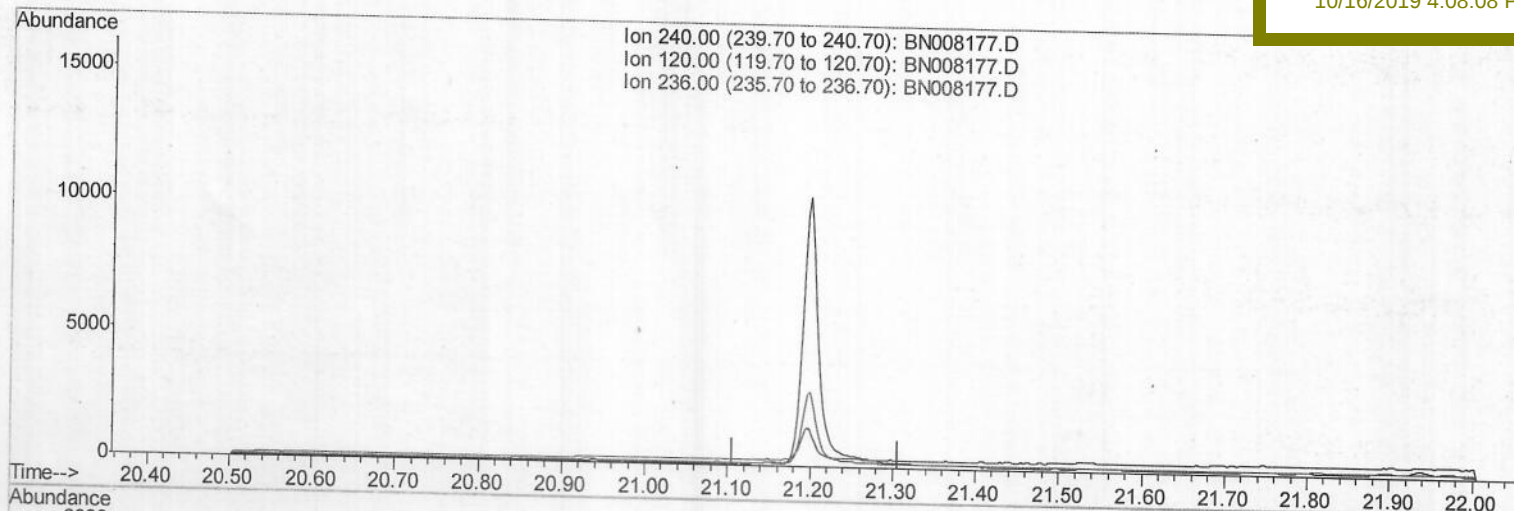
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Quant Time: Oct 16 03:53:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



(16) Chrysene-d12 (I)
 21.207min (-21.207) 0.00ng/ul
 response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.70	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

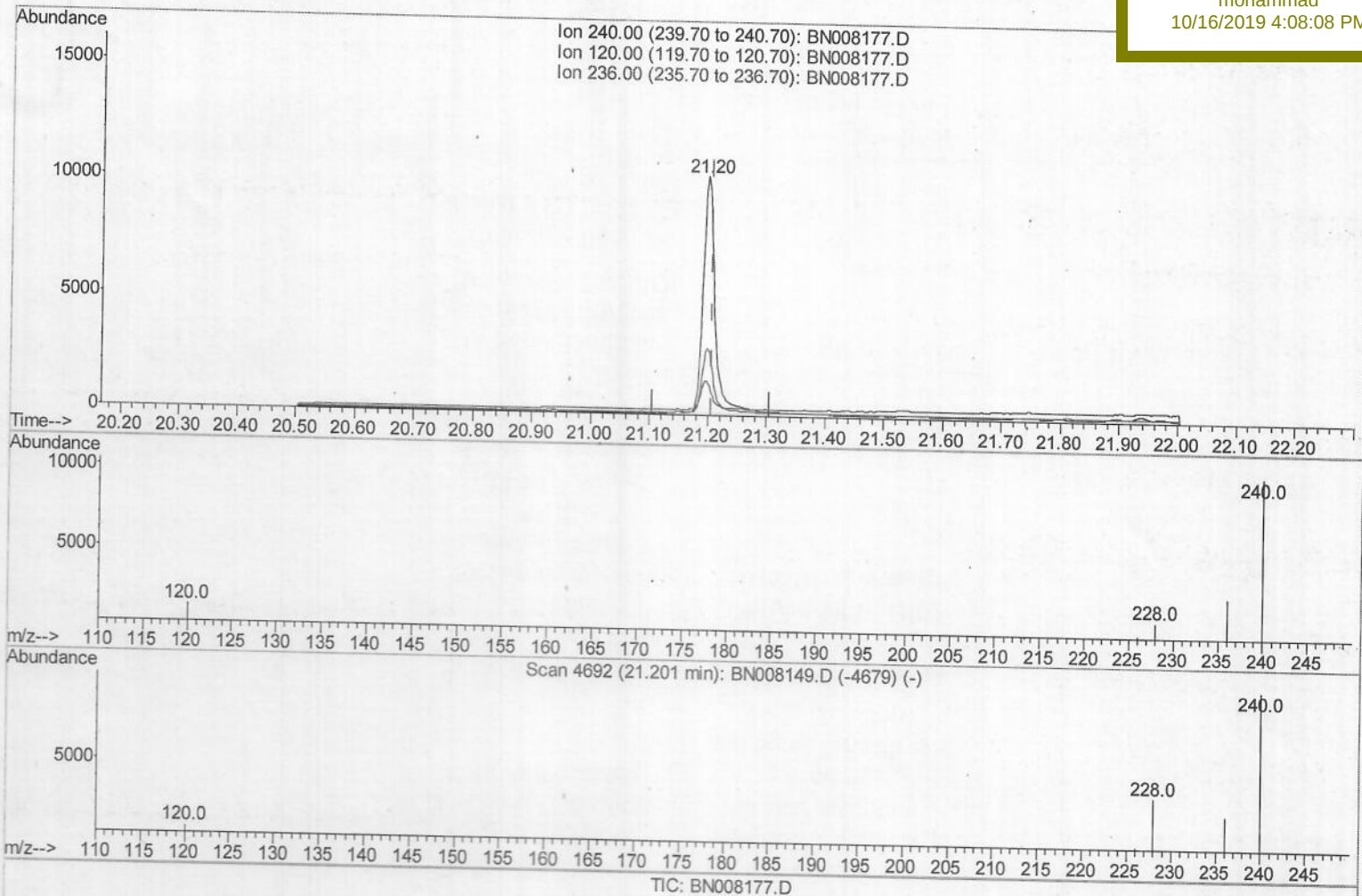
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:53:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



(16) Chrysene-d12 (I)

21.198min (-0.008) 0.40ng/ul m

response 14789

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.26
236.00	28.40	28.10
0.00	0.00	0.00

> JU 10/16/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008177.D

Acq On : 15 Oct 2019 17:26

Operator : JU

Sample : K5175-07

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:53:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 15:13:35 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

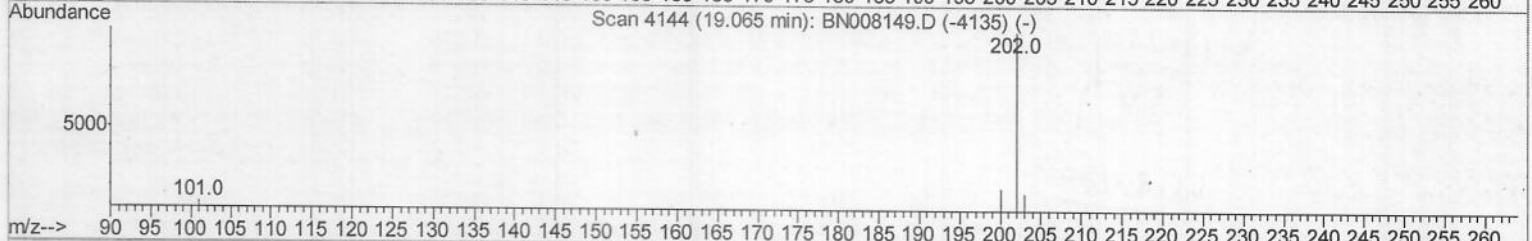
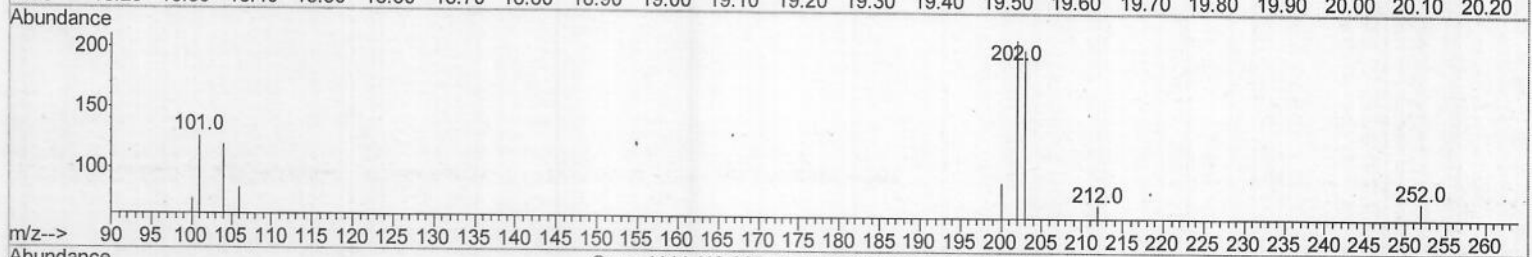
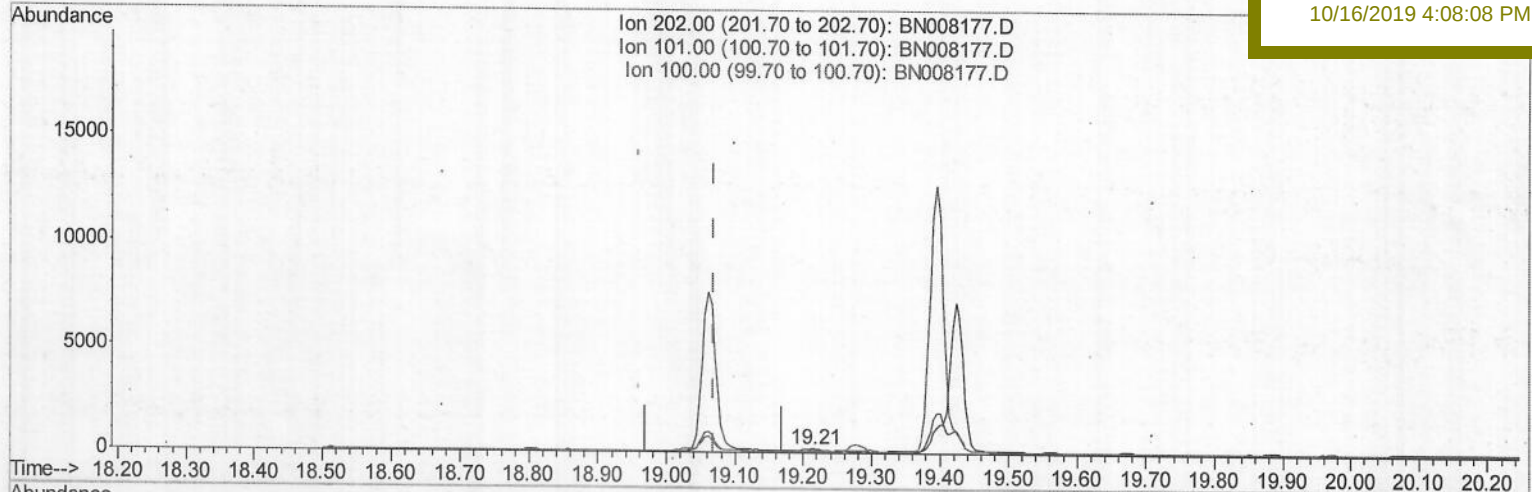
BEP87

Manual Integrations

APPROVED

mohammad

10/16/2019 4:08:08 PM



TIC: BN008177.D

(15) Fluoranthene (C)

19.214min (+0.145) 0.00ng/ul

response 152

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	60.00#
100.00	8.50	35.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

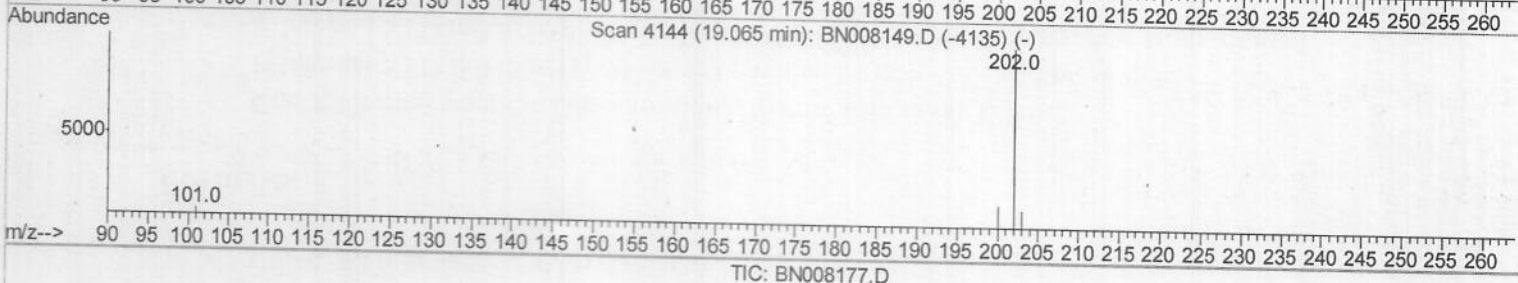
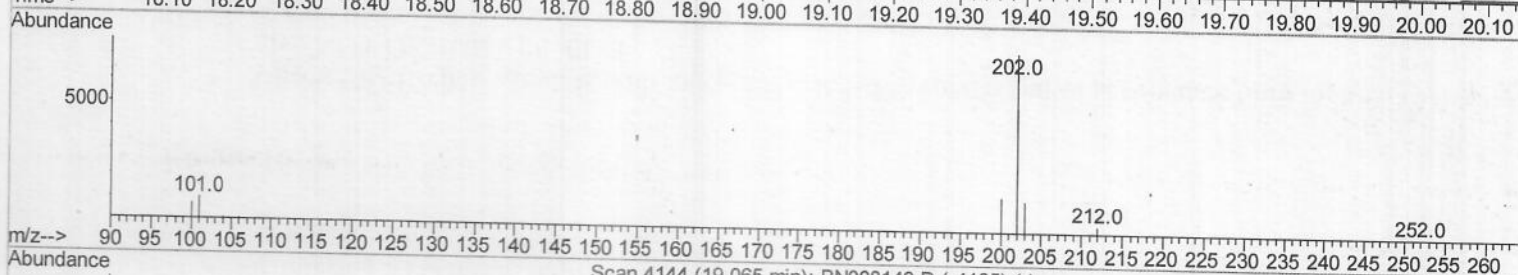
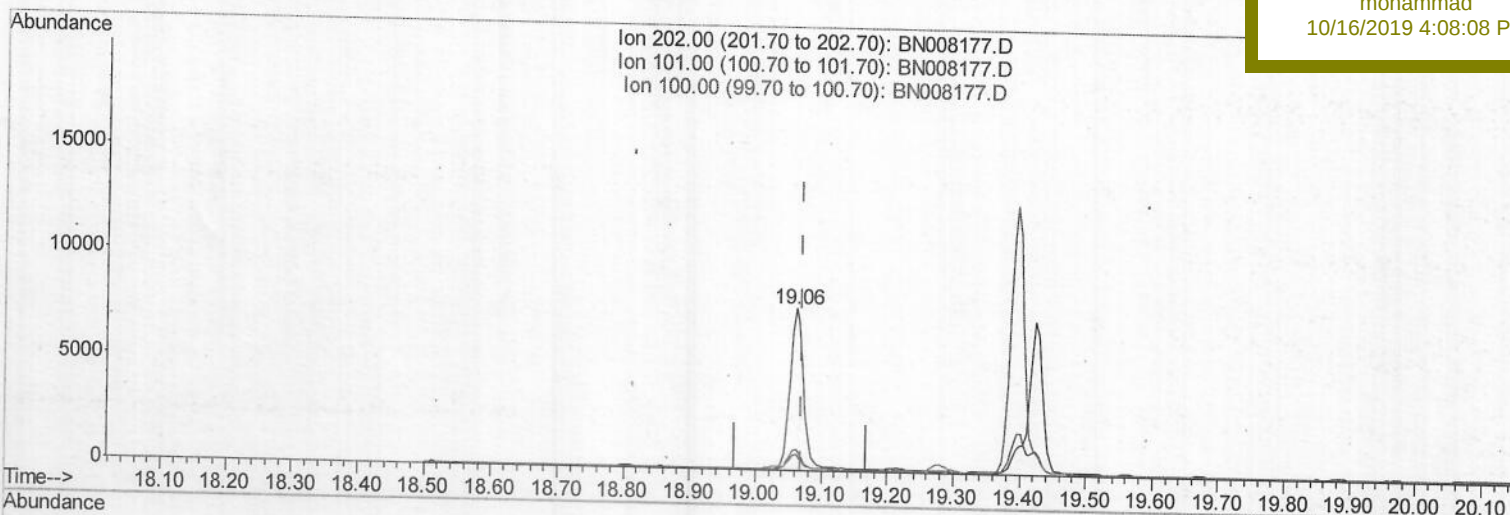
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:53:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



TIC: BN008177.D

(15) Fluoranthene (C)

19.061min (-0.009) 0.20ng/ul m

response 10771

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	12.71
100.00	8.50	9.65
0.00	0.00	0.00

JU 10/16/19

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008177.D

Acq On : 15 Oct 2019 17:26

Operator : JU

Sample : K5175-07

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:53:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 15:13:35 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

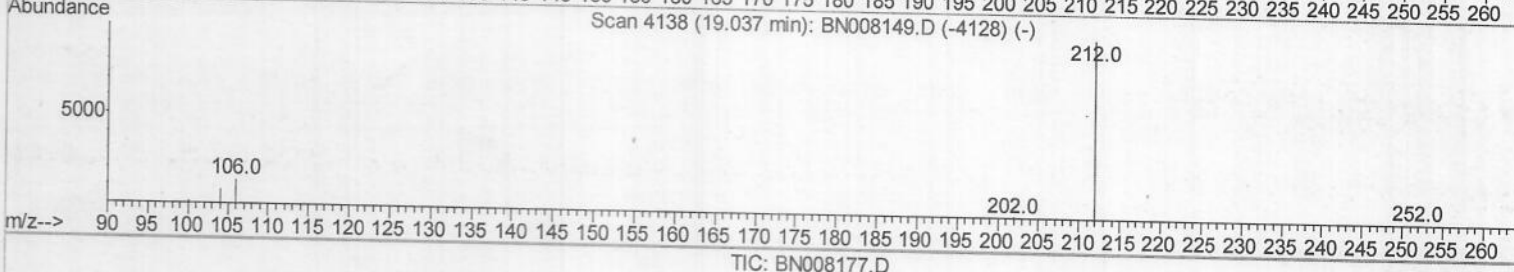
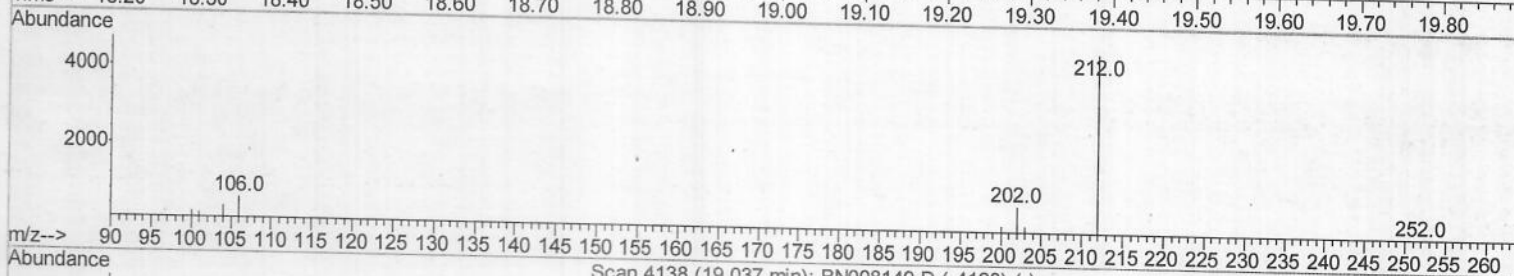
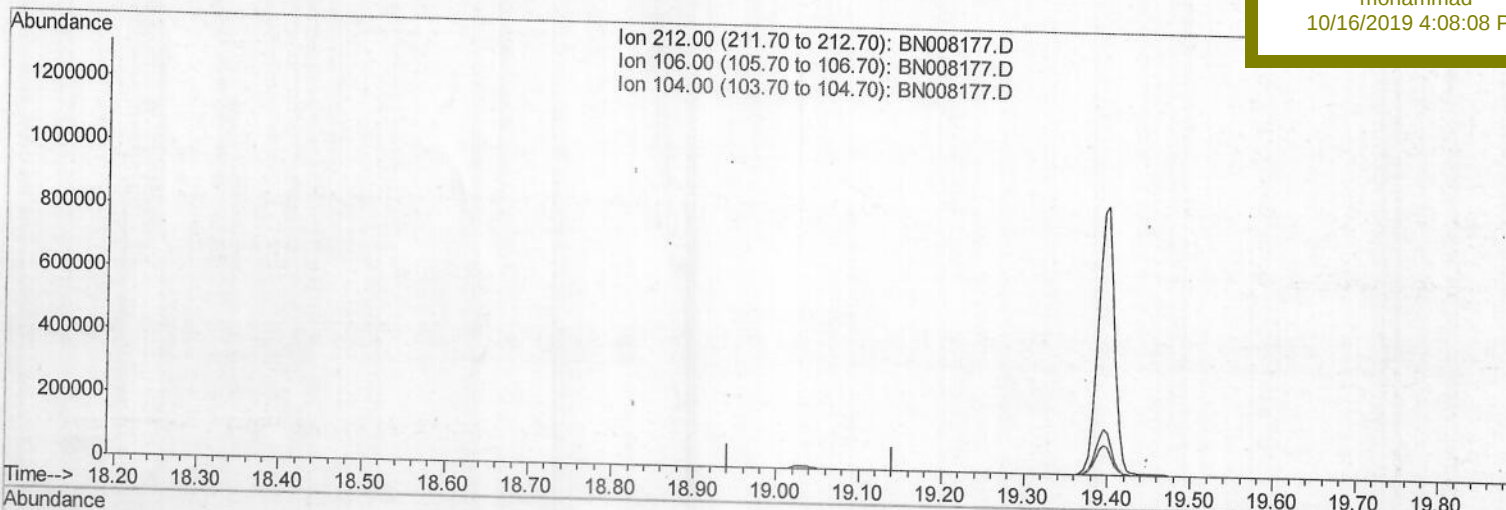
BEP87

Manual Integrations

APPROVED

mohammad

10/16/2019 4:08:08 PM



TIC: BN008177.D

(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

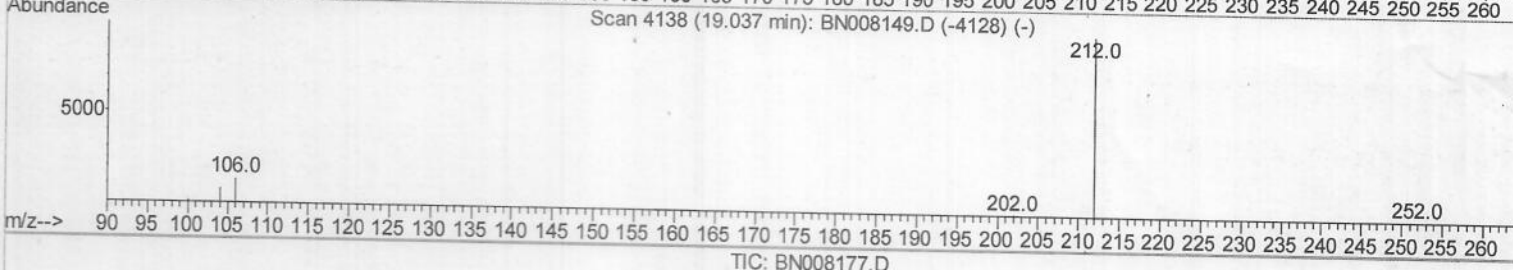
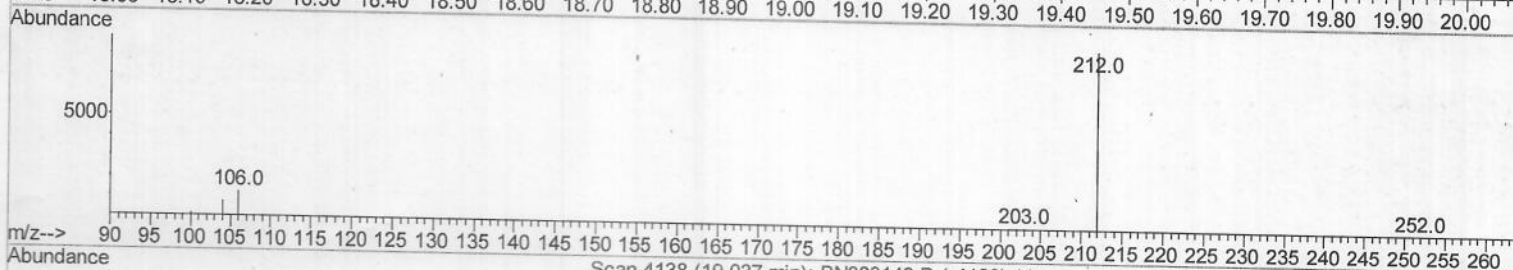
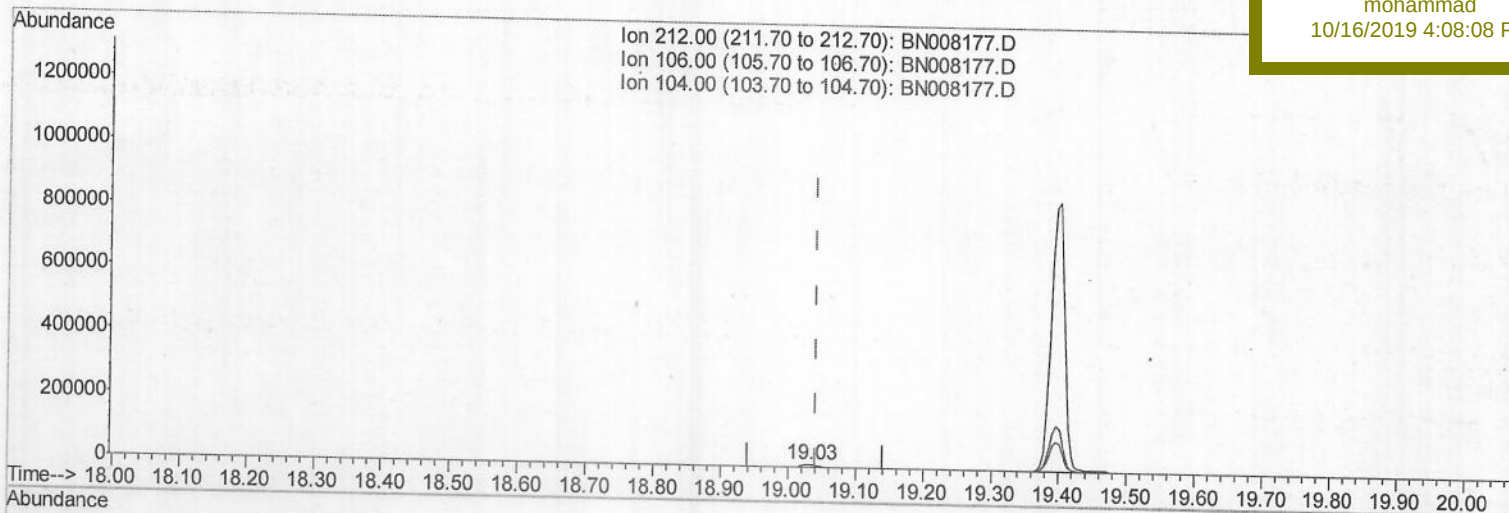
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:53:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



(14) Fluoranthene-d10 (SURR)

19.033min (-0.009) 0.26ng/ul m > JU 10/16/19

response 12592

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

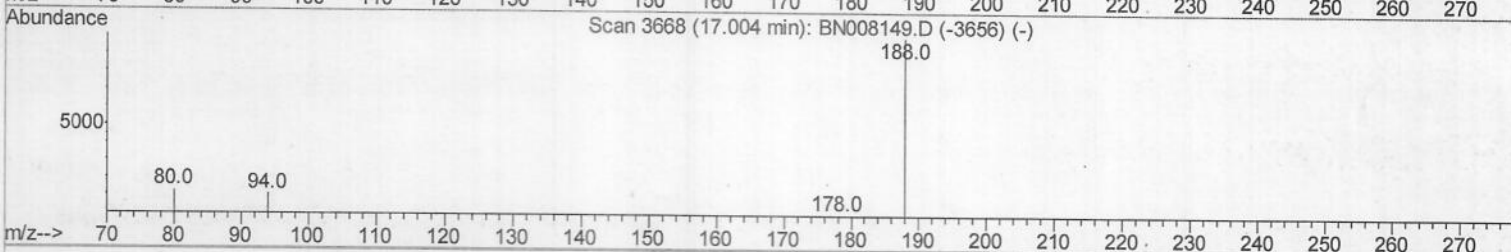
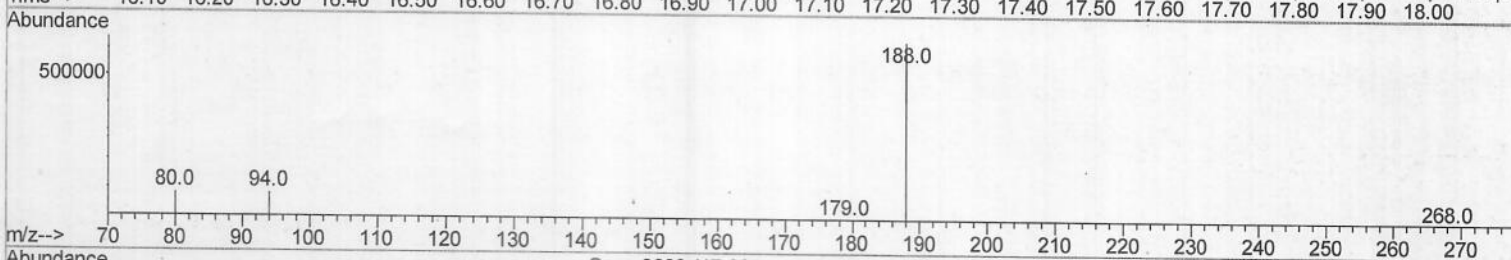
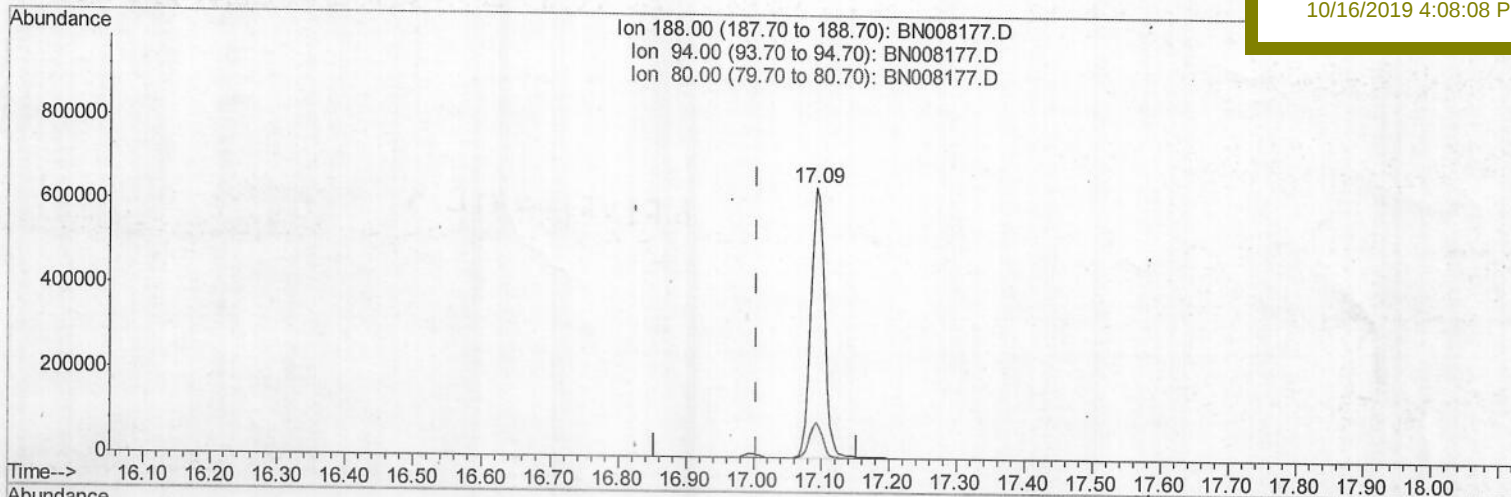
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:42:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
ClientSampleId :
 BEP87

Manual Integrations
APPROVED

mohammad
 10/16/2019 4:08:08 PM



TIC: BN008177.D

(10) Phenanthrene-d10 (I)

17.093min (+0.089) 0.40ng/ul

response 892194

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	13.20#
80.00	12.60	13.11
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008177.D

Acq On : 15 Oct 2019 17:26

Operator : JU

Sample : K5175-07

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:42:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 15:13:35 2019

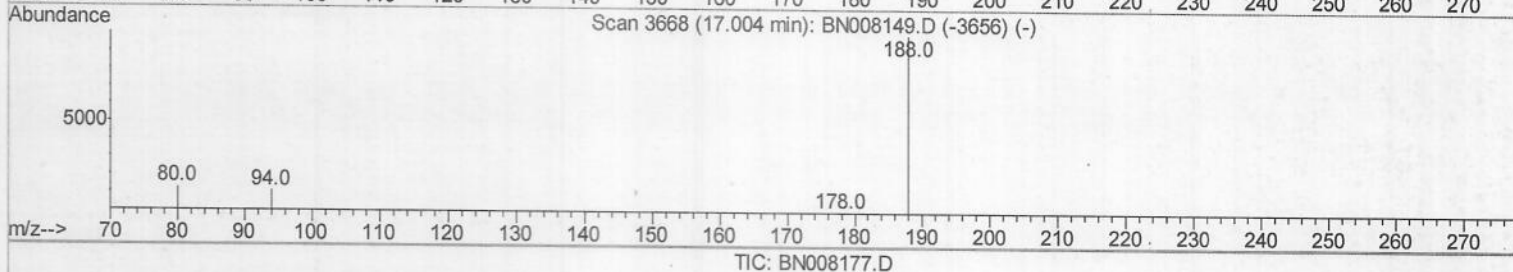
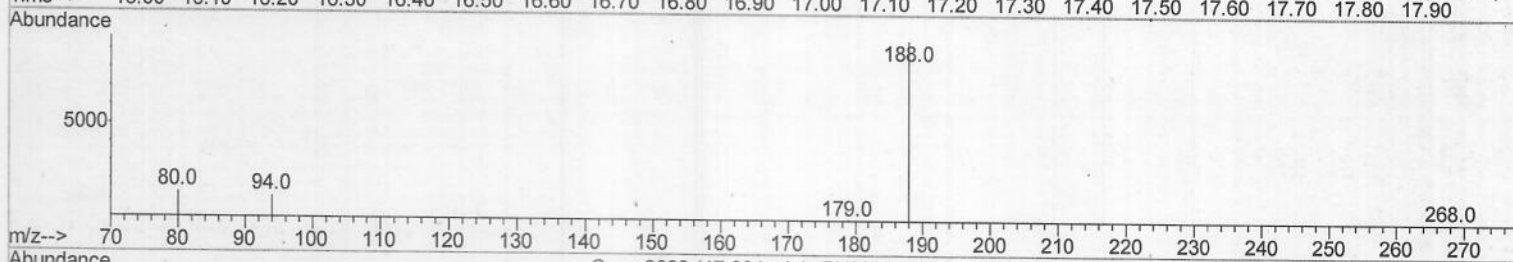
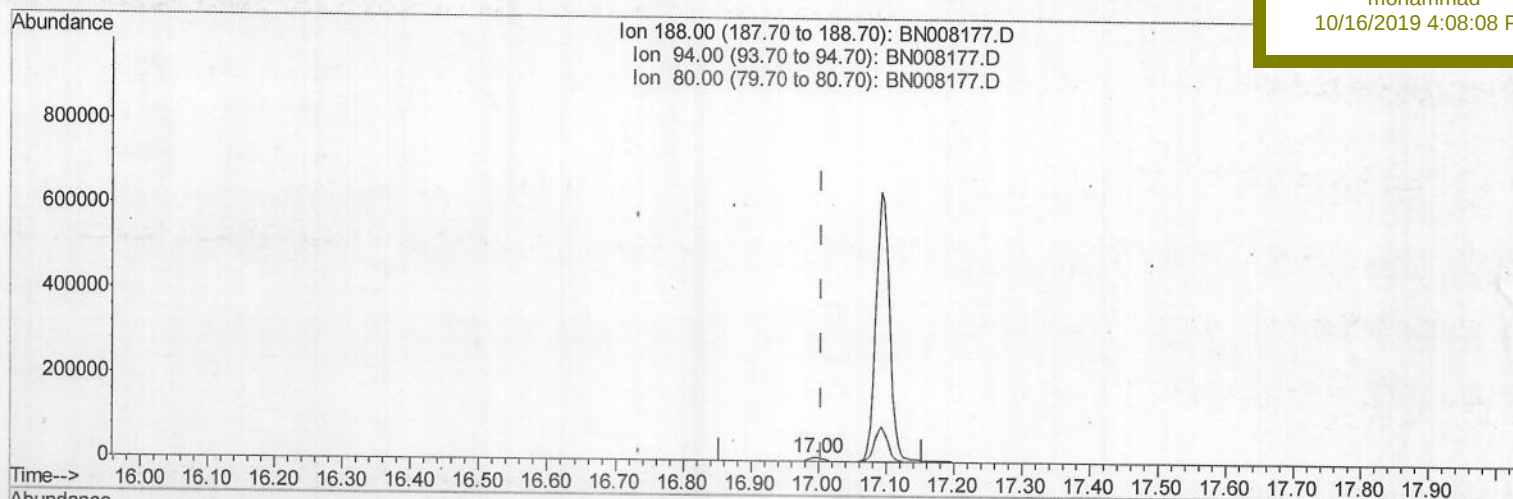
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

BEP87

Manual Integrations
APPROVEDmohammad
10/16/2019 4:08:08 PM

(10) Phenanthrene-d10 (I)

16.996min (-0.008) 0.40ng/ul m > JU 10/16/19

response 14096

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.16
80.00	12.60	14.26
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008177.D

Acq On : 15 Oct 2019 17:26

Operator : JU

Sample : K5175-07

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:55:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 15:13:35 2019

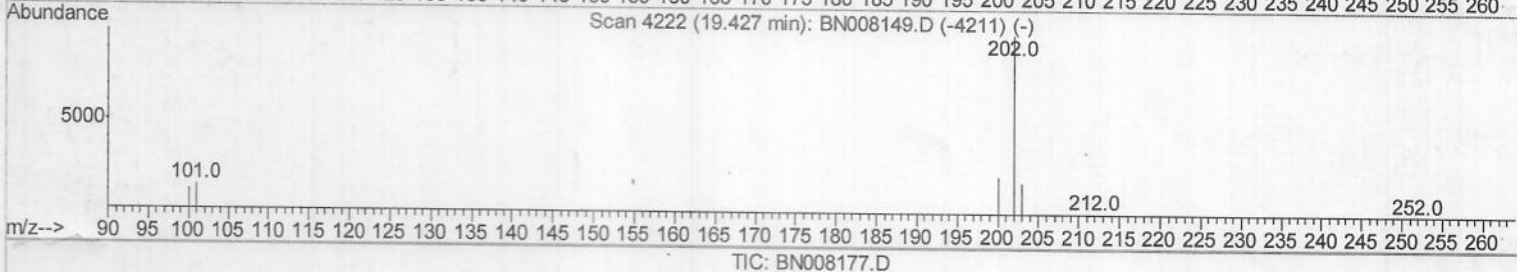
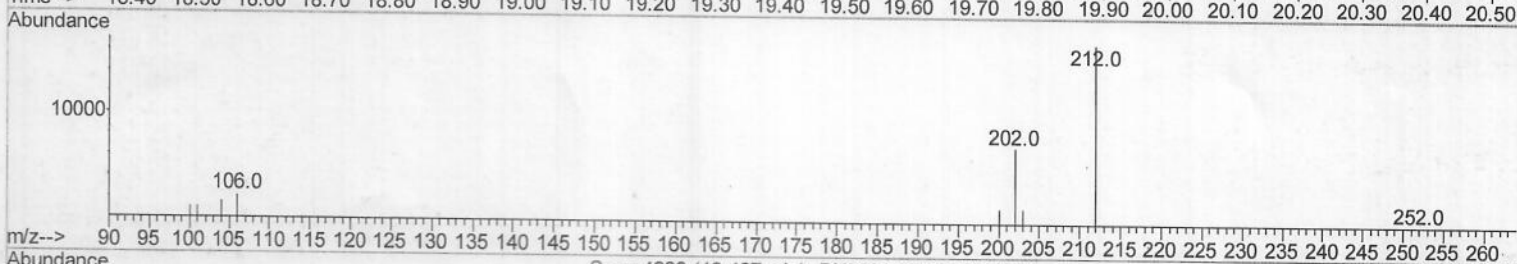
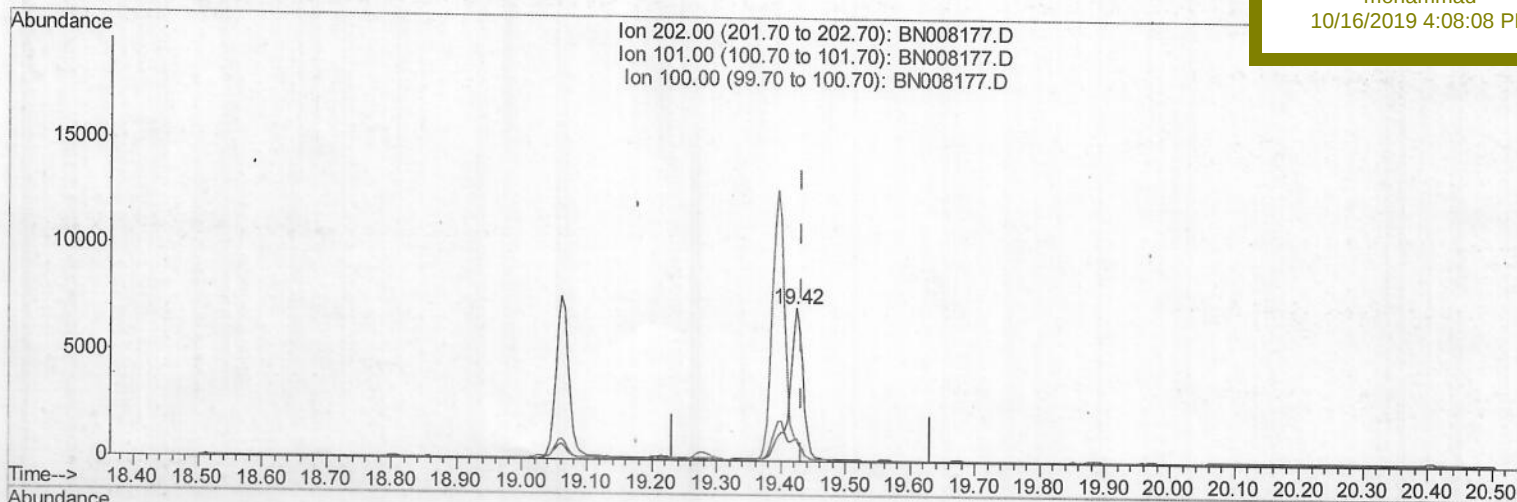
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

BEP87

Manual Integrations
APPROVEDmohammad
10/16/2019 4:08:08 PM

(17) Pyrene

19.423min (-0.009) 0.18ng/ul

response 10872

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	15.11
100.00	10.90	14.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

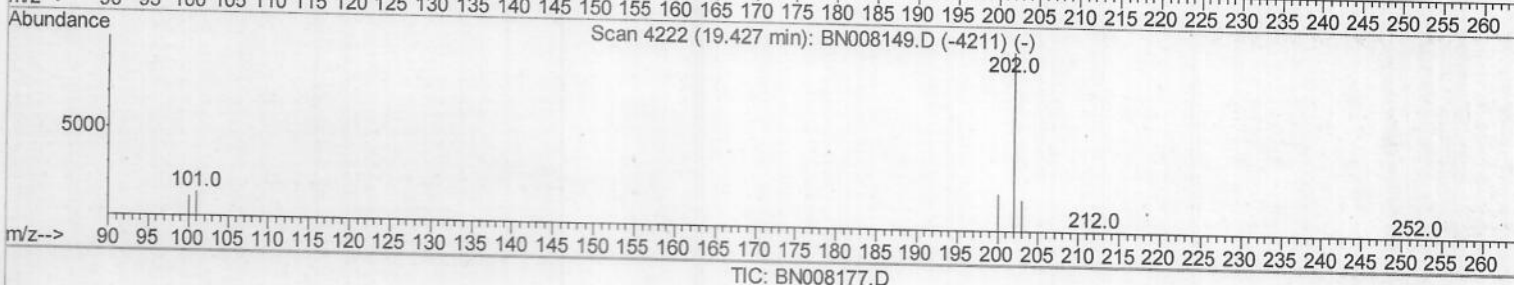
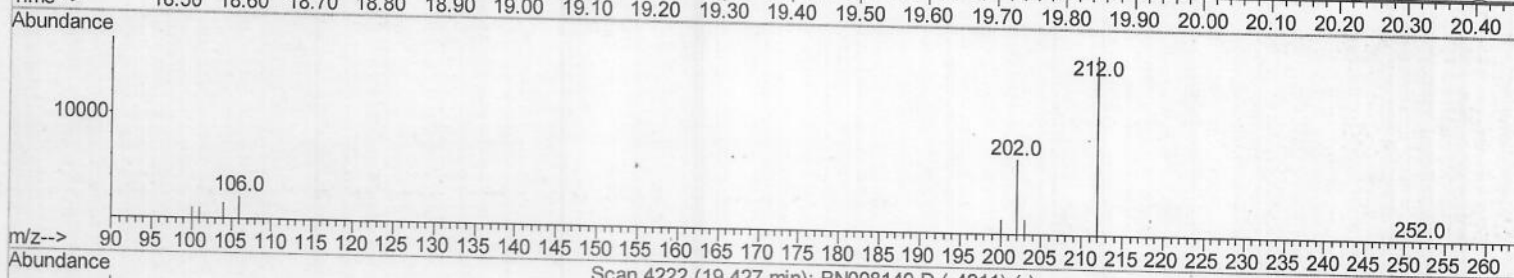
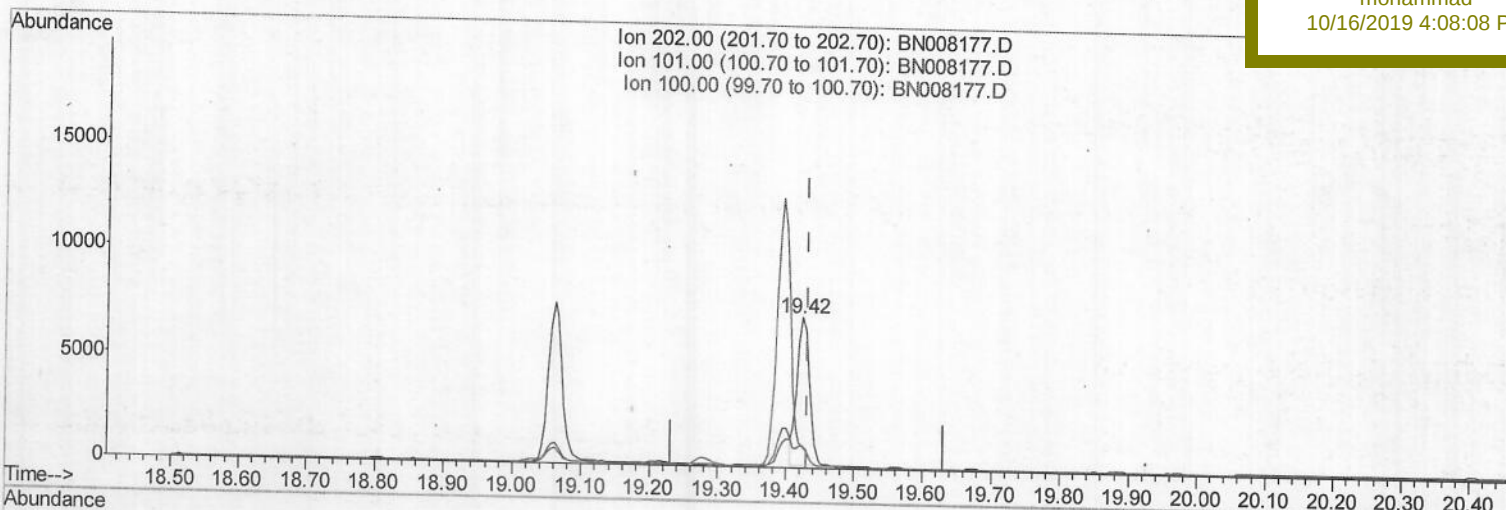
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:55:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



TIC: BN008177.D

(17) Pyrene

19.423min (-0.009) 0.15ng/ul m > JU 10/16/19

response 9091

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	15.11
100.00	10.90	14.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

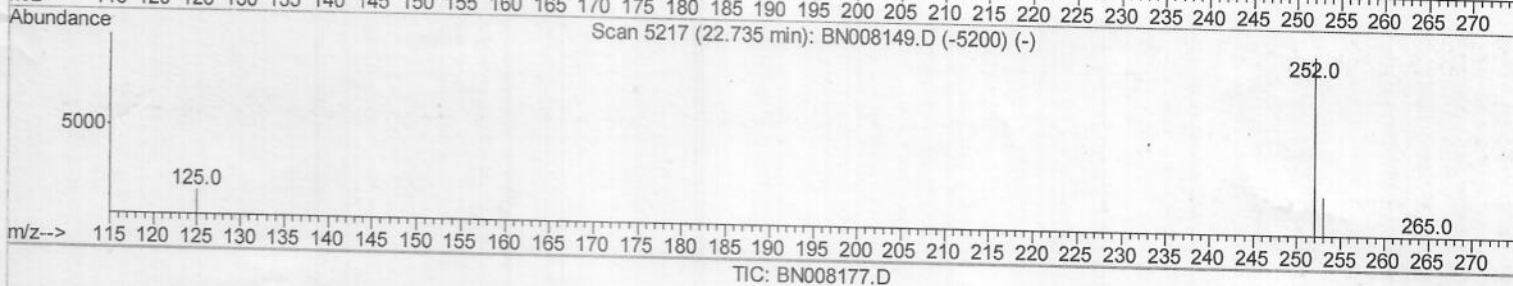
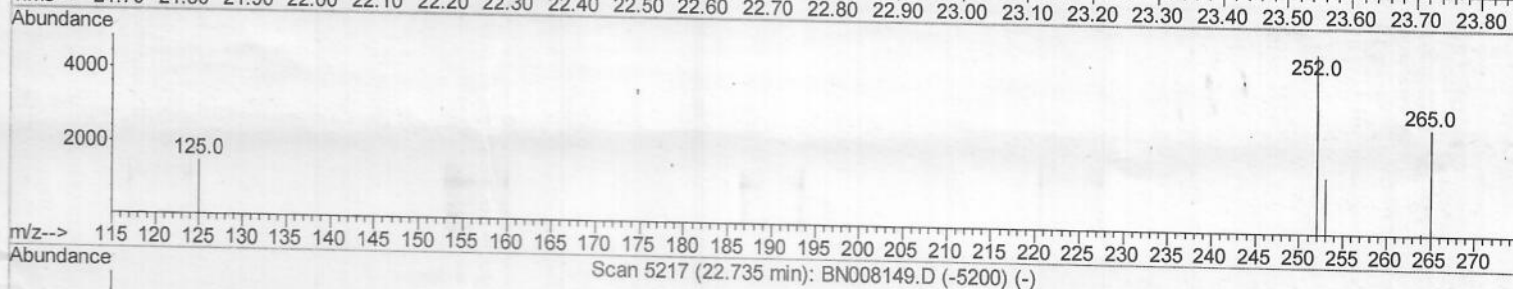
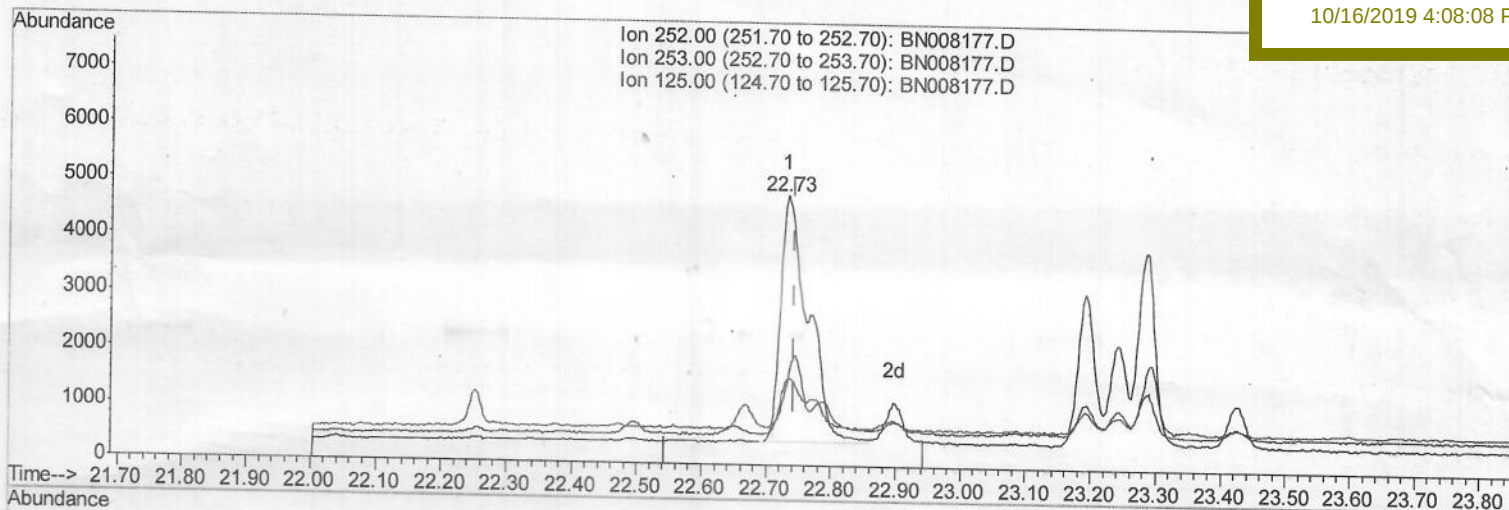
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:55:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



(21) Benzo(b)fluoranthene
 22.733min (-0.011) 0.27ng/ul
 response 13380

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	32.50
125.00	16.20	31.44
0.00	0.00	0.00

Quantitation Report (Qedit)

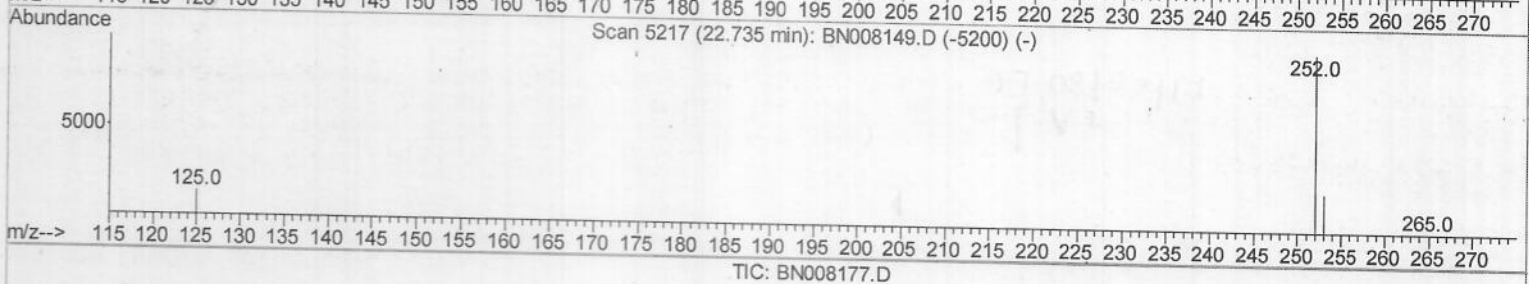
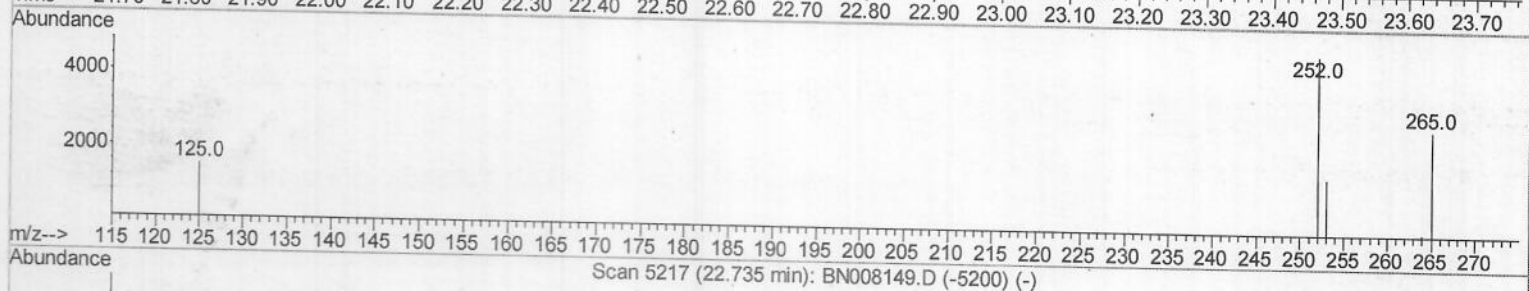
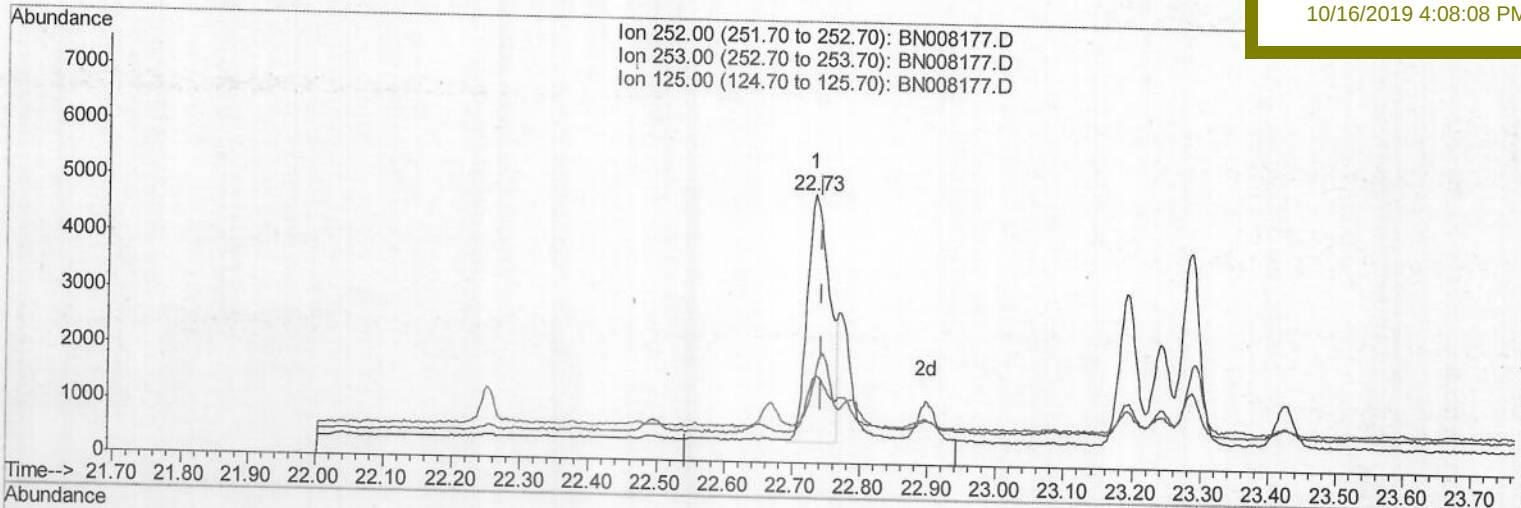
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:55:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM



(21) Benzo(b)fluoranthene

22.733min (-0.011) 0.20ng/ul m > JU 10/16/19

response 10115

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	32.50
125.00	16.20	31.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008177.D

Acq On : 15 Oct 2019 17:26

Operator : JU

Sample : K5175-07

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:55:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 15:13:35 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

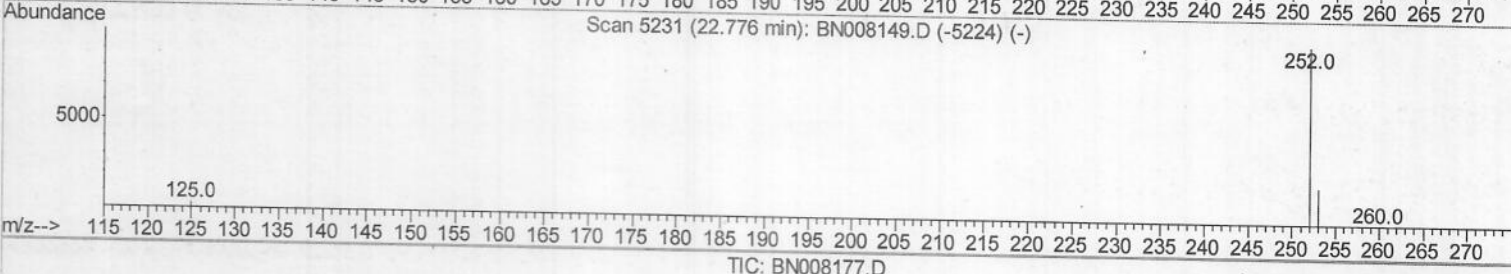
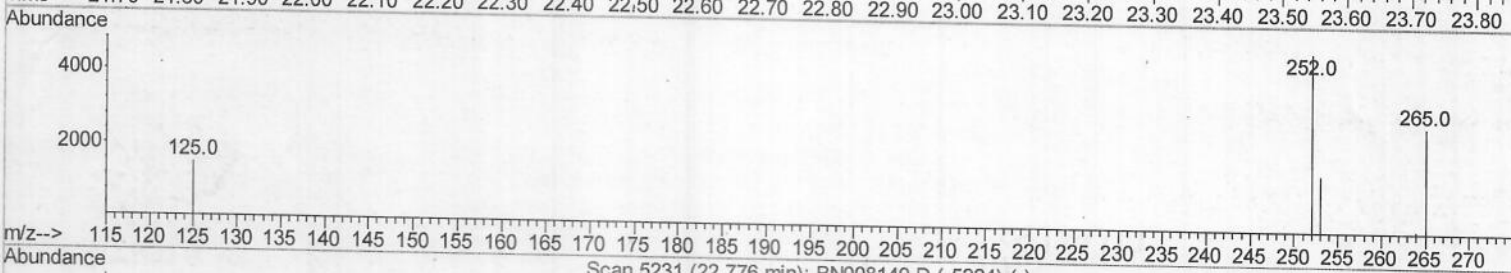
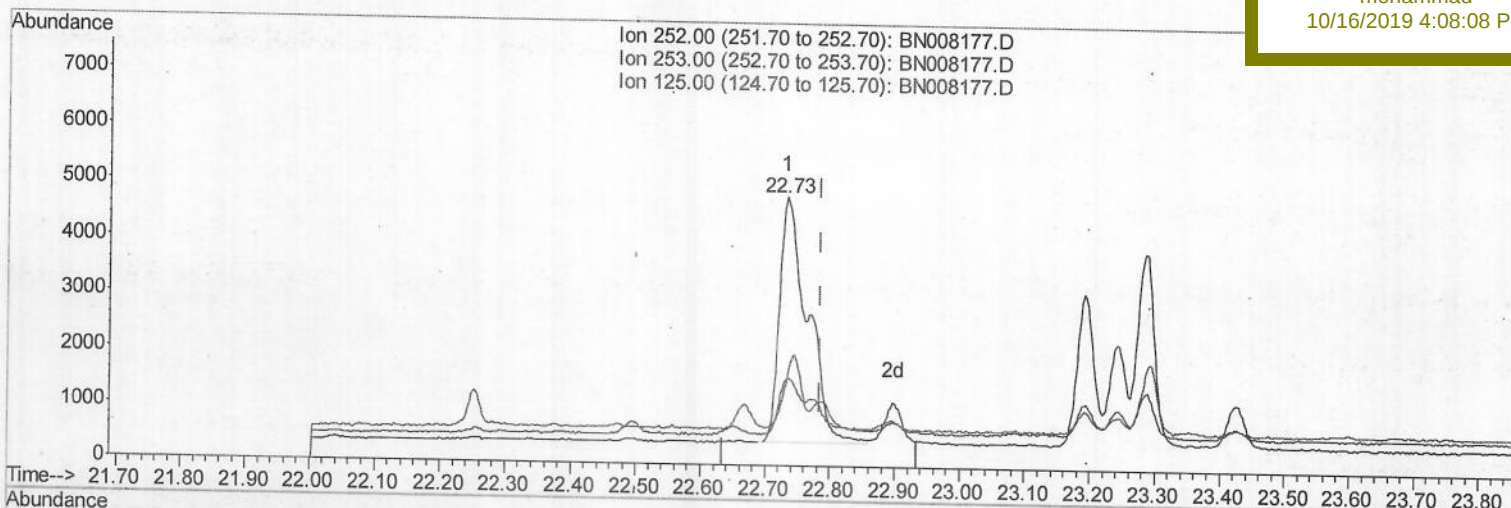
BEP87

Manual Integrations

APPROVED

mohammad

10/16/2019 4:08:08 PM



TIC: BN008177.D

(22) Benzo(k)fluoranthene

22.733min (-0.052) 0.24ng/ul

response 13380

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	32.50#
125.00	15.40	31.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008177.D

Acq On : 15 Oct 2019 17:26

Operator : JU

Sample : K5175-07

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 16 03:55:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 15:13:35 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

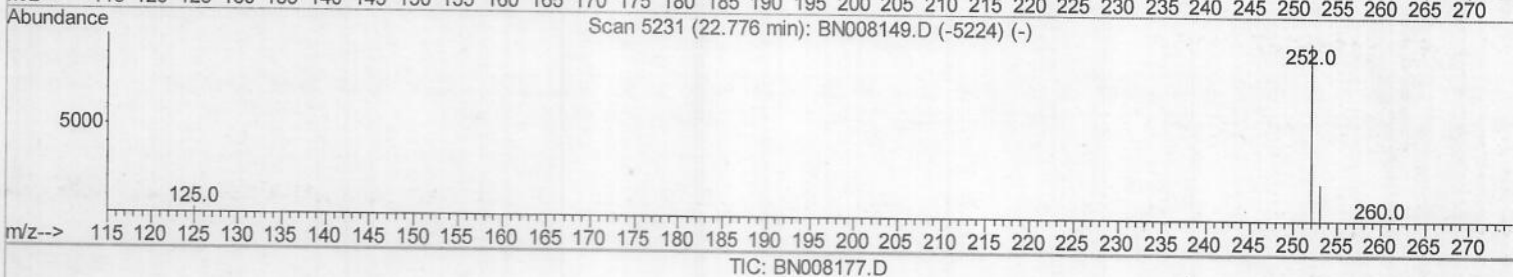
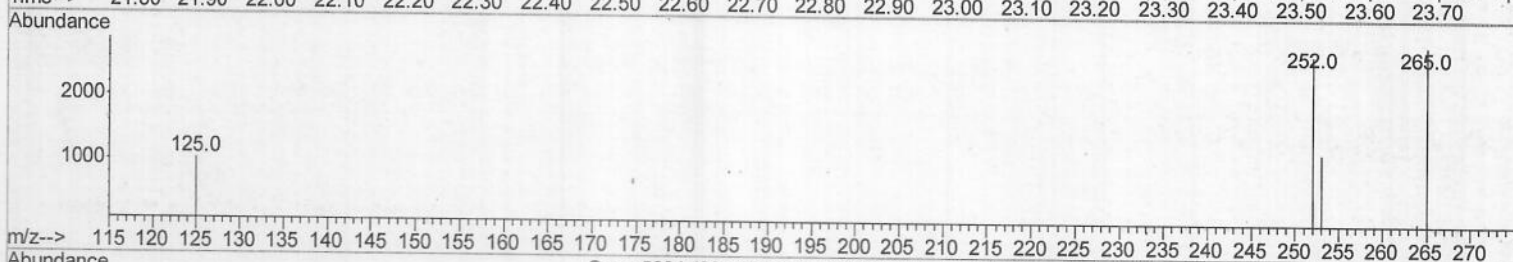
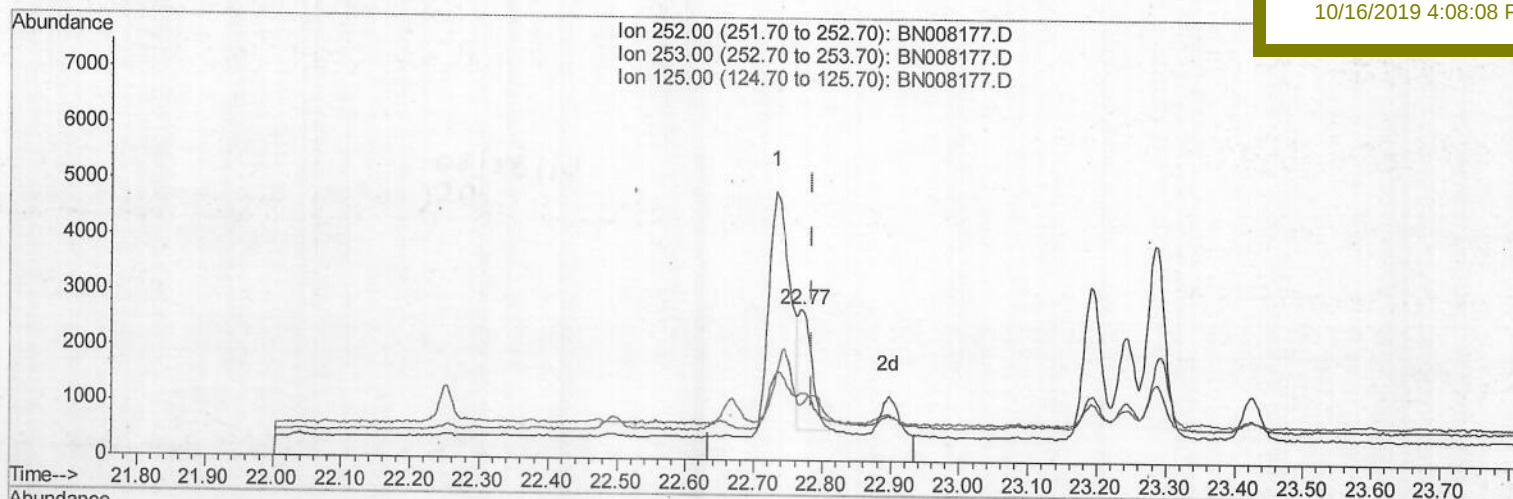
BEP87

Manual Integrations

APPROVED

mohammad

10/16/2019 4:08:08 PM



TIC: BN008177.D

(22) Benzo(k)fluoranthene

22.771min (-0.014) 0.05ng/ul m

response 3074

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	44.20#
125.00	15.40	37.49#
0.00	0.00	0.00

> JU 10/16/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008177.D
 Acq On : 15 Oct 2019 17:26
 Operator : JU
 Sample : K5175-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP87

Quant Time: Oct 16 03:56:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:08:08 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1956	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	9764	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6169	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	14096m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	14789m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	15349	0.40	ng/ul	-0.02

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.98	152	3827	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	12592m	0.26	ng/ul	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
12) Phenanthrene	17.04	178	3441	0.083	ng/ul	96
15) Fluoranthene	19.06	202	10771m	0.198	ng/ul	
17) Pyrene	19.42	202	9091m	0.154	ng/ul	
18) Benzo(a)anthracene	21.18	228	6010	0.112	ng/ul	95
19) Chrysene	21.23	228	6244	0.095	ng/ul	96
21) Benzo(b)fluoranthene	22.73	252	10115m	0.202	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	3074m	0.054	ng/ul	
23) Benzo(a)pyrene	23.29	252	6210	0.118	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.55	276	4976	0.080	ng/ul	98
25) Dibenzo(a,h)anthracene	25.56	278	1155	0.024	ng/ul#	30
26) Benzo(g,h,i)perylene	26.21	276	4313	0.076	ng/ul#	88

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

JU 10/16/19