

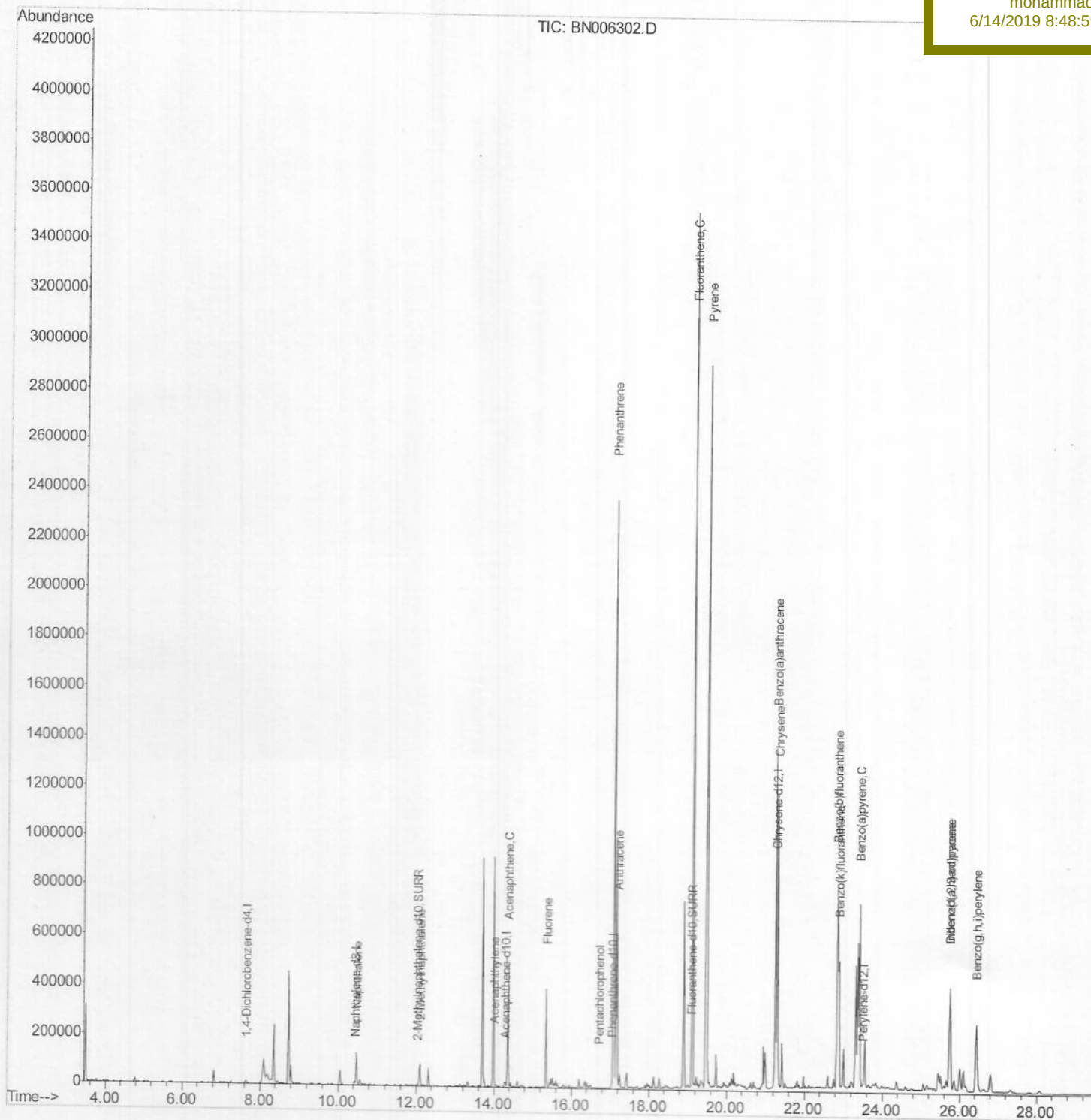
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:48:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
Client Sampled :
A51F6

Manual Integrations
APPROVED

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6/14/2019 8:48:59 AM



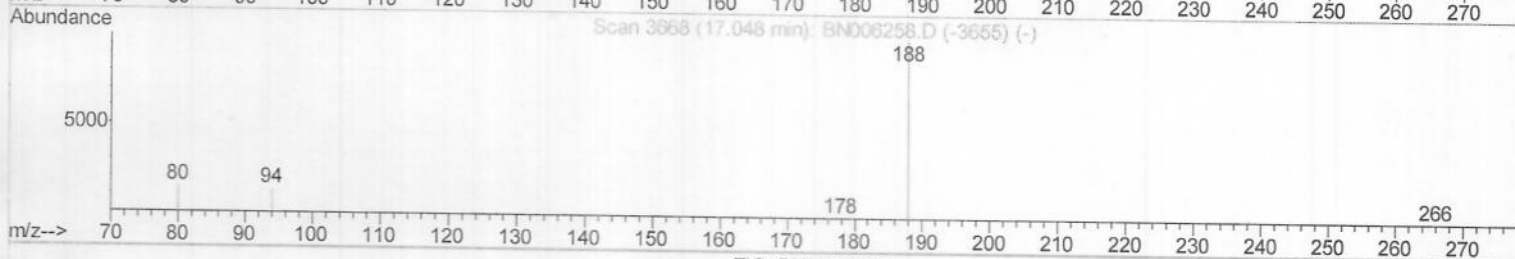
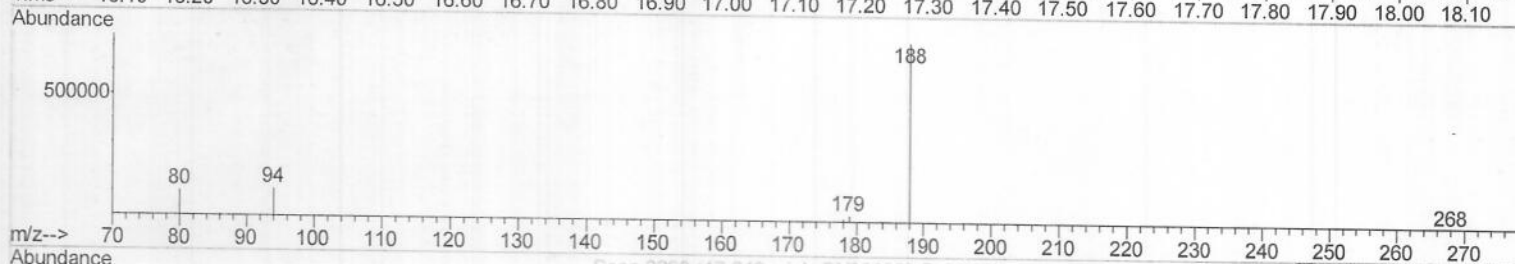
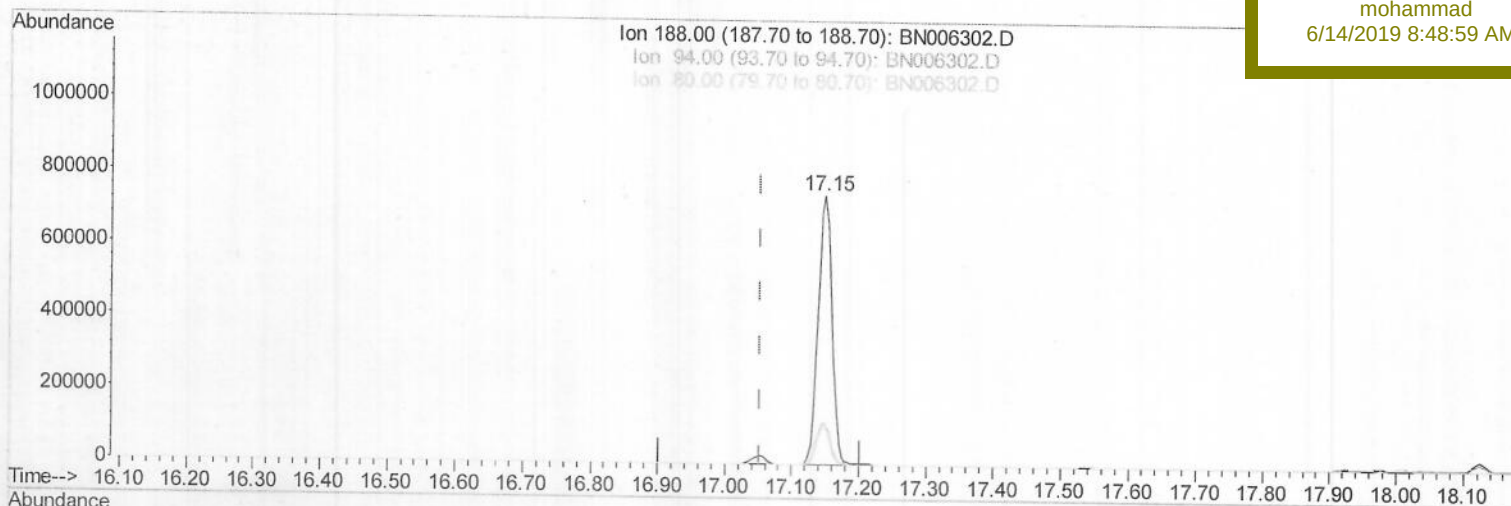
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:39:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F6

Manual Integrations
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TIC: BN006302.D

(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 1054055

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.29
80.00	13.60	13.84
0.00	0.00	0.00

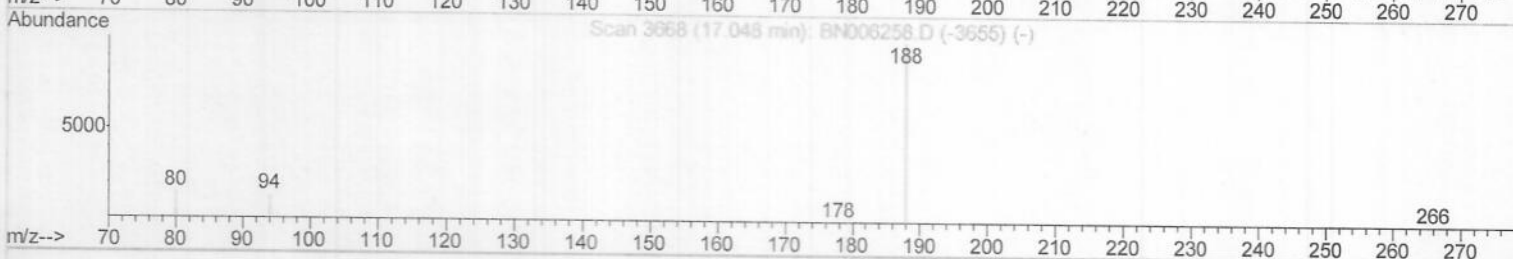
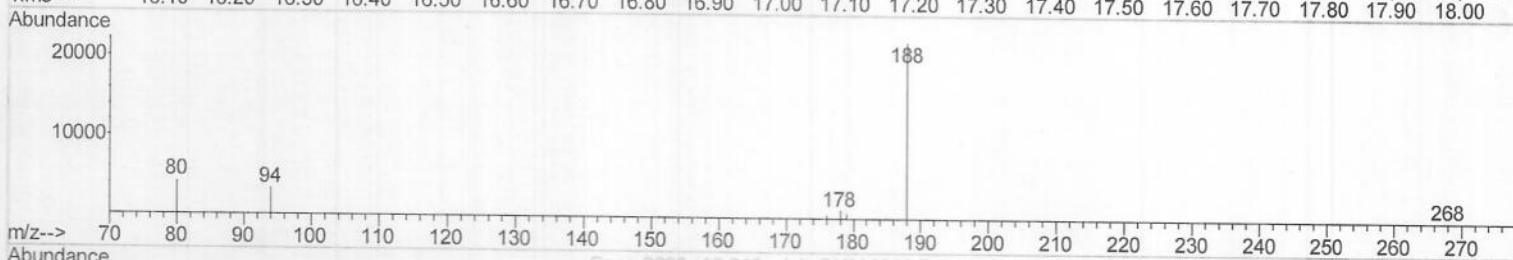
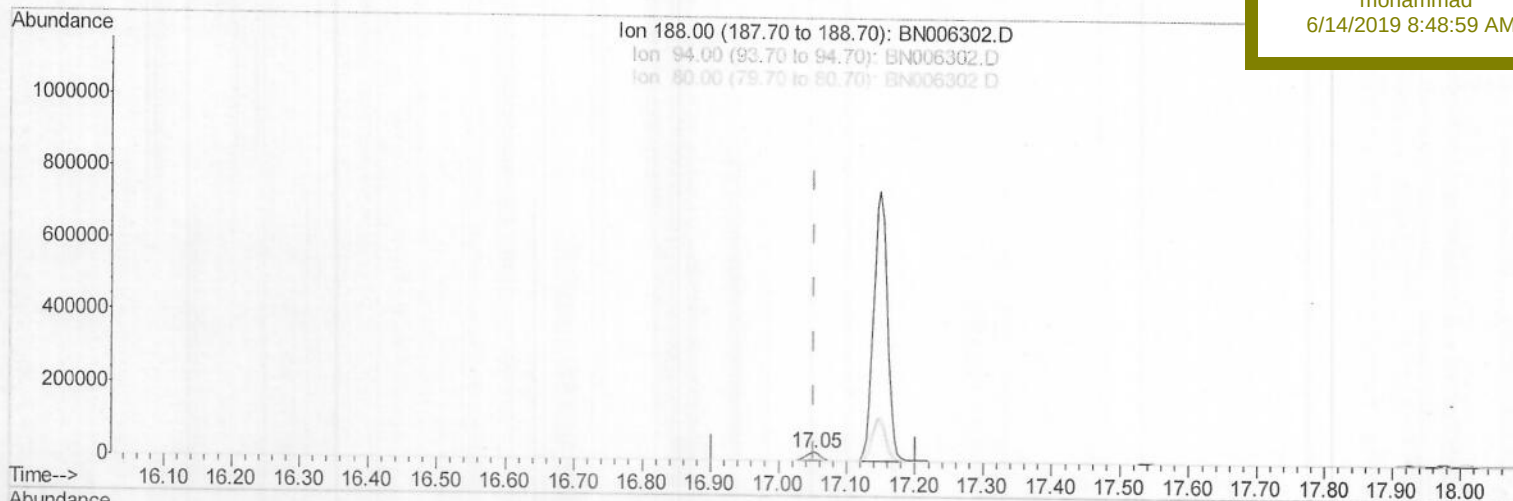
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampled :
A51F6

Manual Integrations
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TIC: BN006302.D

(10) Phenanthrene-d10 (I)

17.052min (-0.000) 0.40ng/ul m

response 30397

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.18
80.00	13.60	18.98#
0.00	0.00	0.00

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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

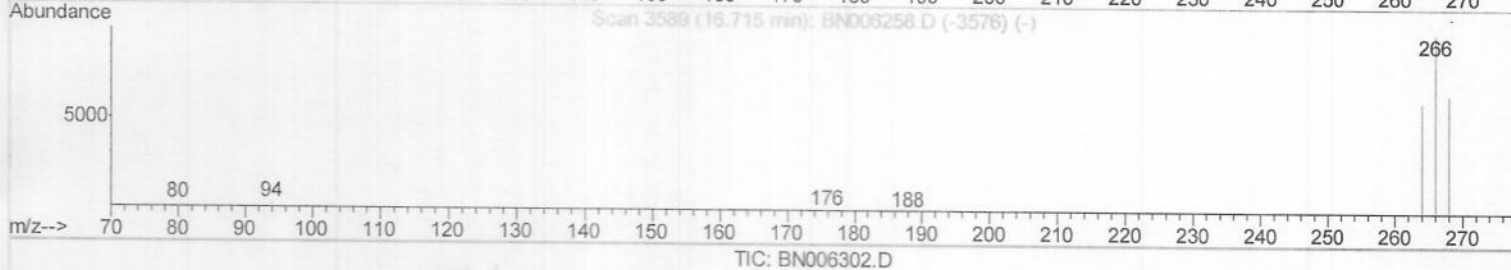
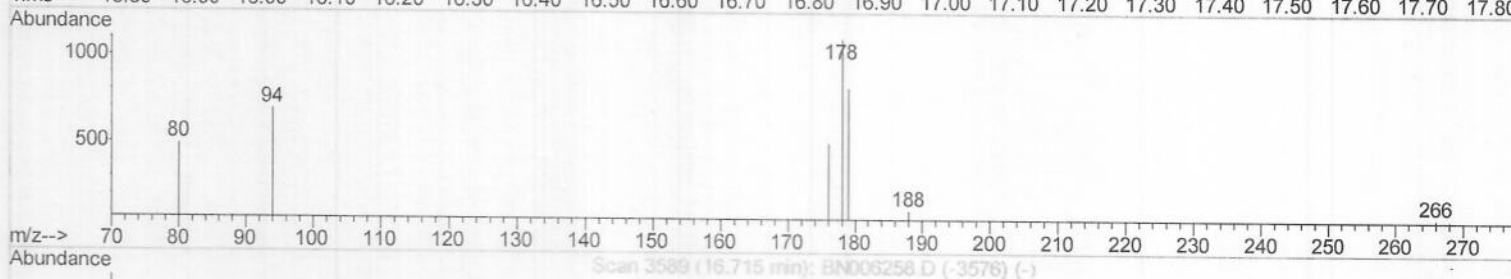
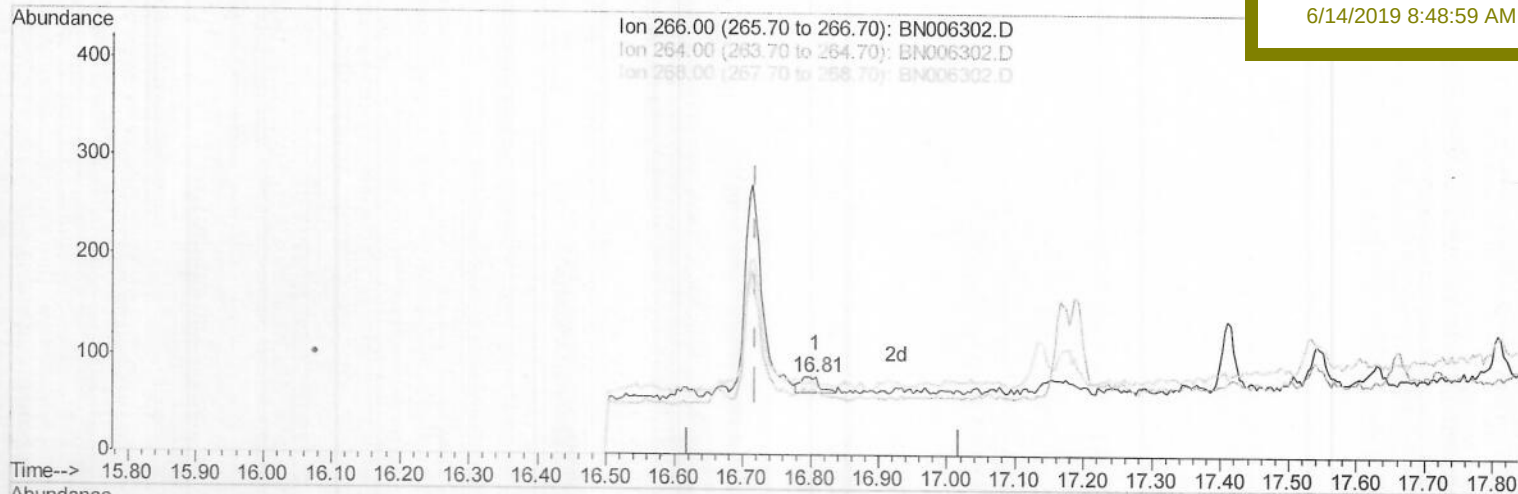
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

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Manual Integrations
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(11) Pentachlorophenol

16.807min (+0.088) 0.00ng/ul

response 32

Ion	Exp%	Act%
266.00	100	100
264.00	62.90	0.00#
268.00	64.10	12.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

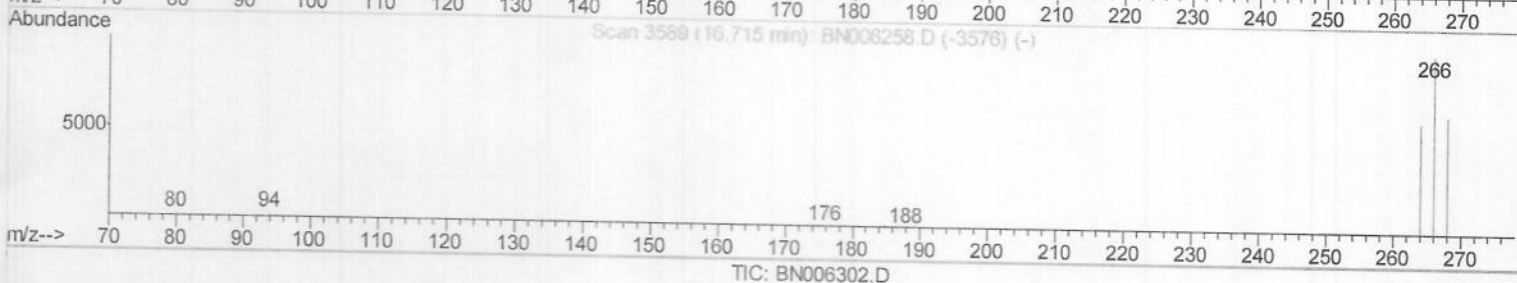
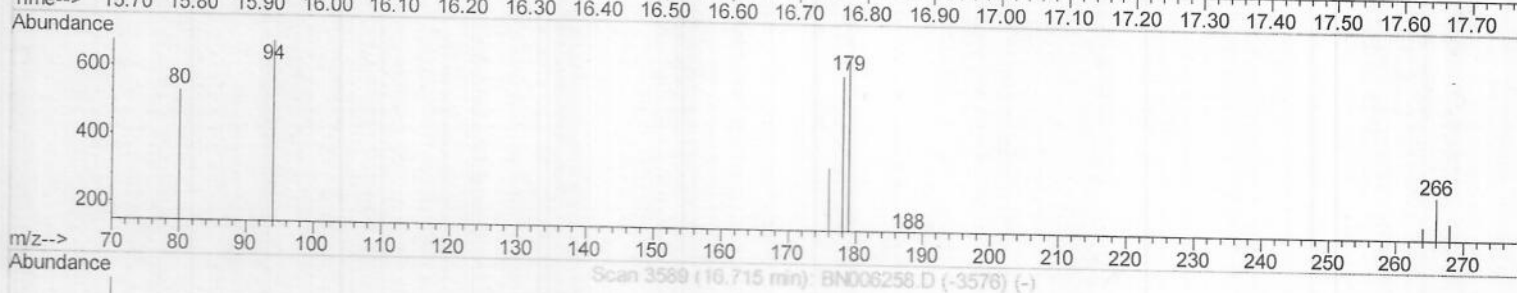
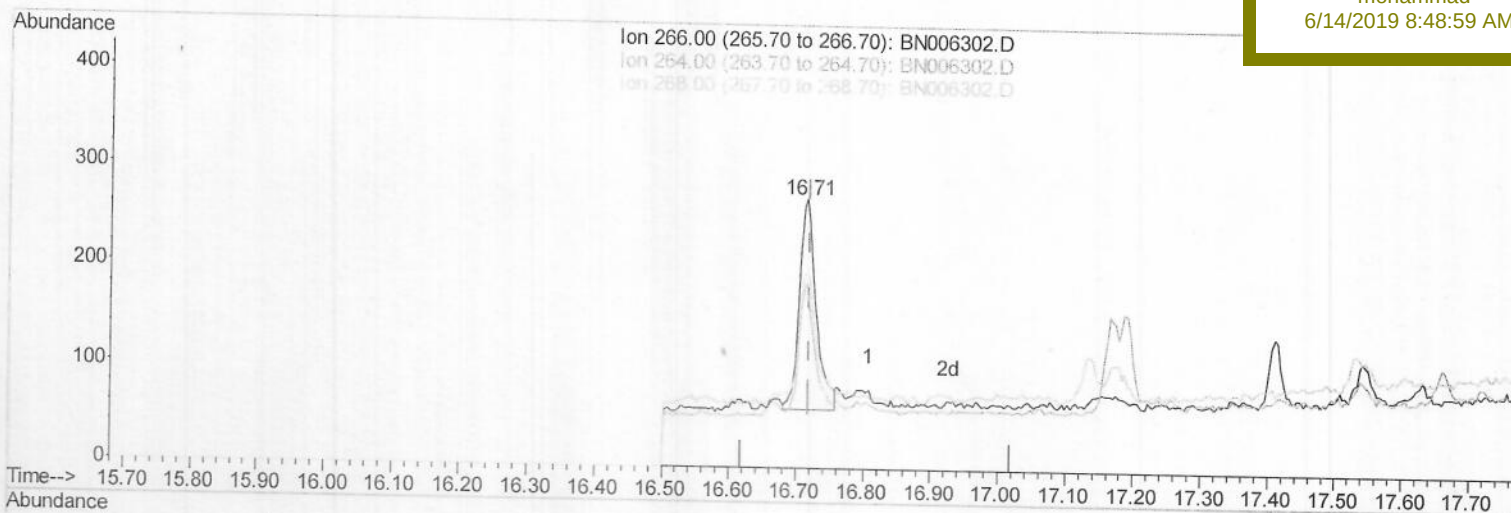
BNA_N

ClientSampleId :

A51F6

Manual Integrations
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(11) Pentachlorophenol

16.714min (-0.004) 0.05ng/ul m

response 373

Ion Exp% Act%

266.00 100 100

264.00 62.90 0.00#

268.00 64.10 1.07#

0.00 0.00 0.00

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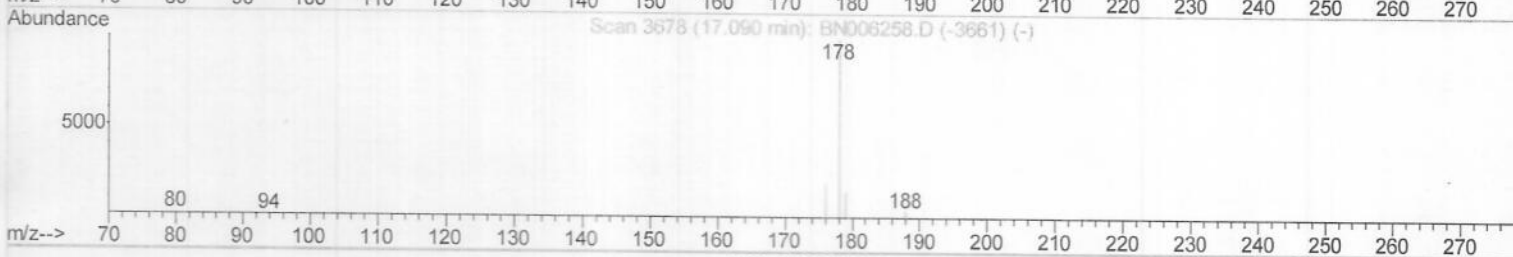
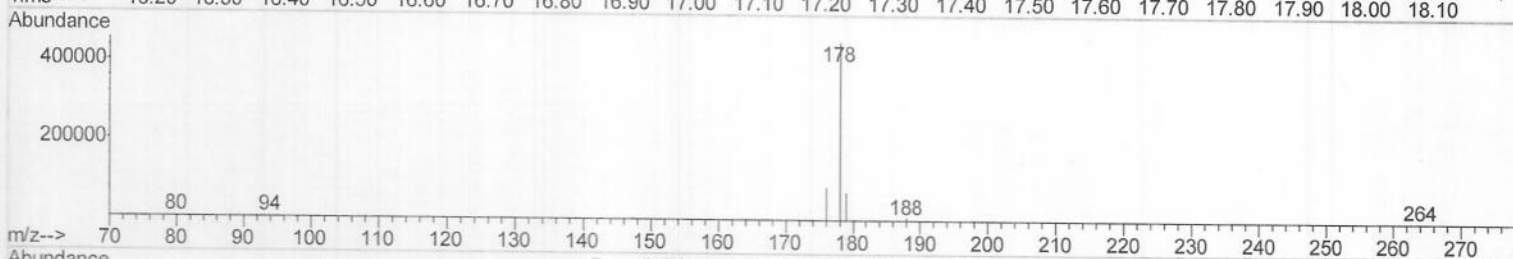
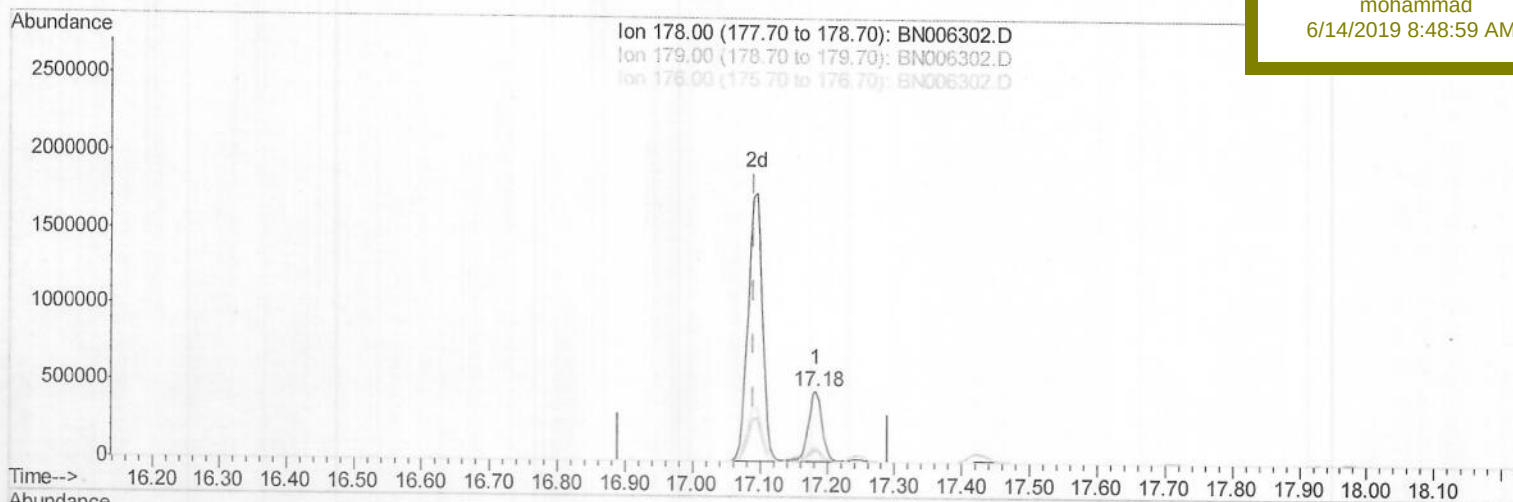
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
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TIC: BN006302.D

(12) Phenanthrene

17.183min (+0.093) 6.28ng/ul

response 612698

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.67
176.00	19.10	18.53
0.00	0.00	0.00

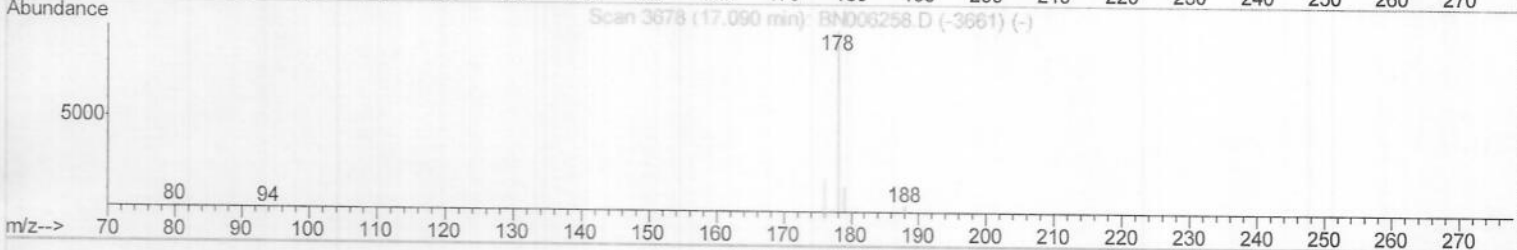
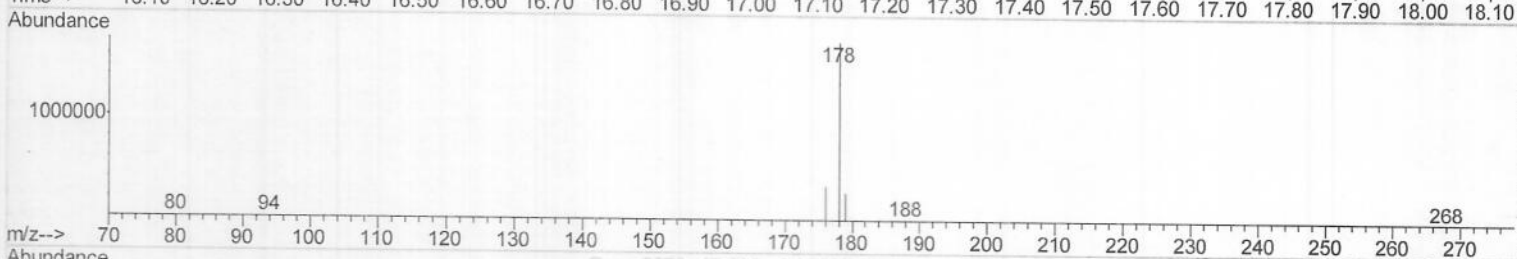
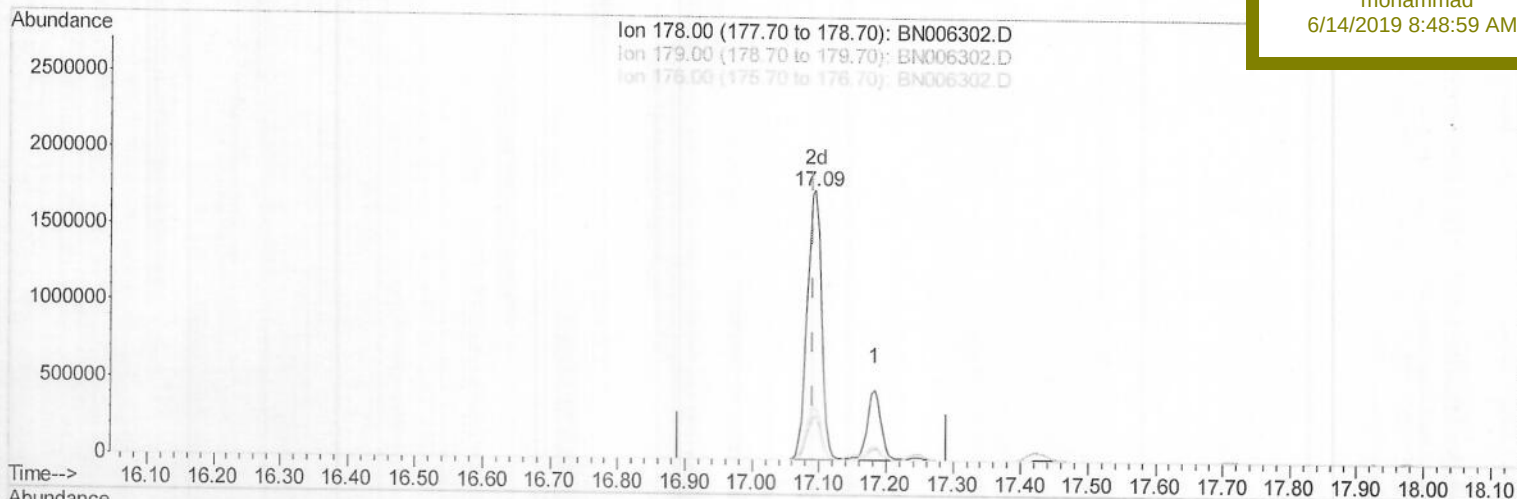
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F6

Manual Integrations
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TIC: BN006302.D

(12) Phenanthrene

17.094min (+0.004) 26.46ng/ul m

response 2581445

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.95
176.00	19.10	19.62
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

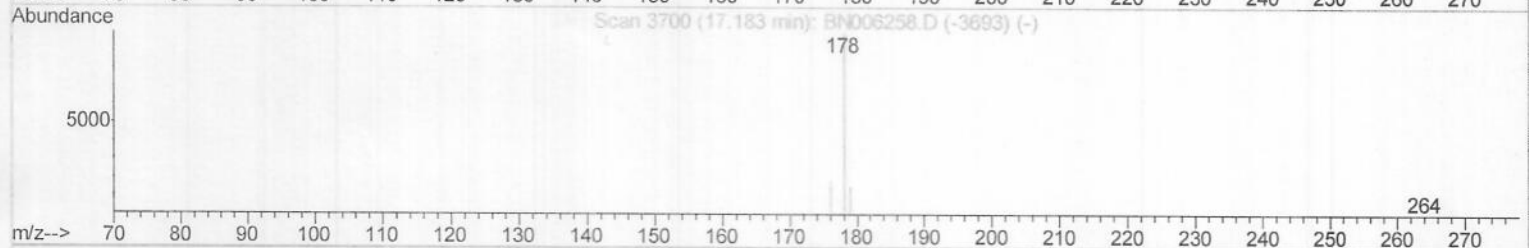
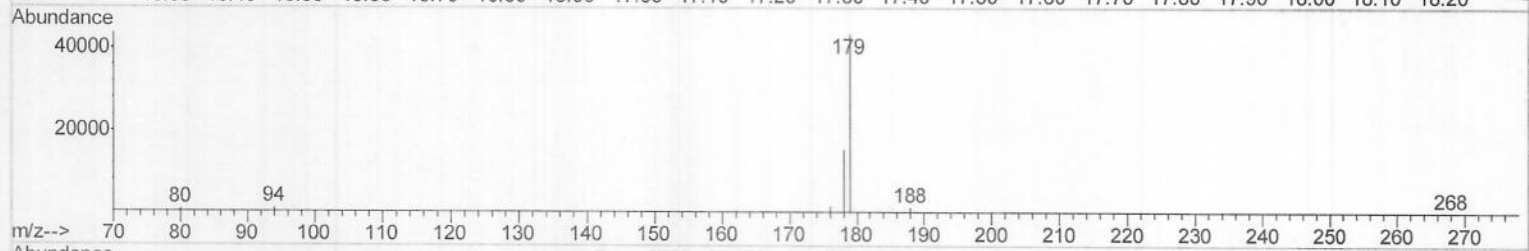
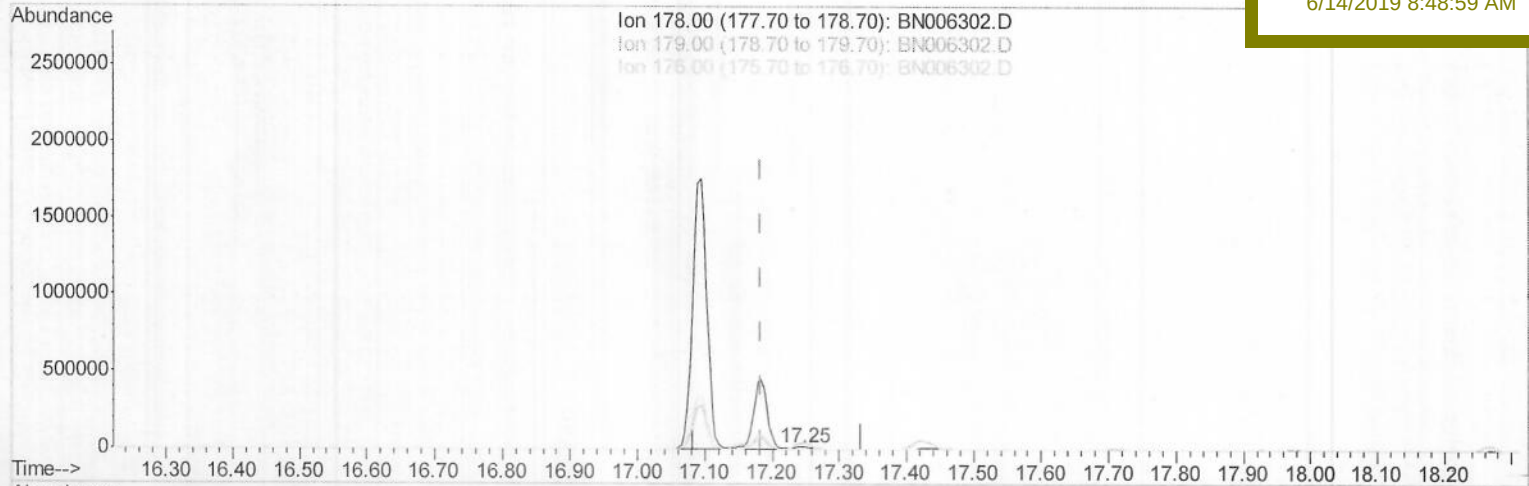
A51F6

Manual Integrations

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TIC: BN006302.D

(13) Anthracene

17.246min (+0.063) 0.24ng/ul

response 22461

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	279.68#
176.00	18.90	10.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

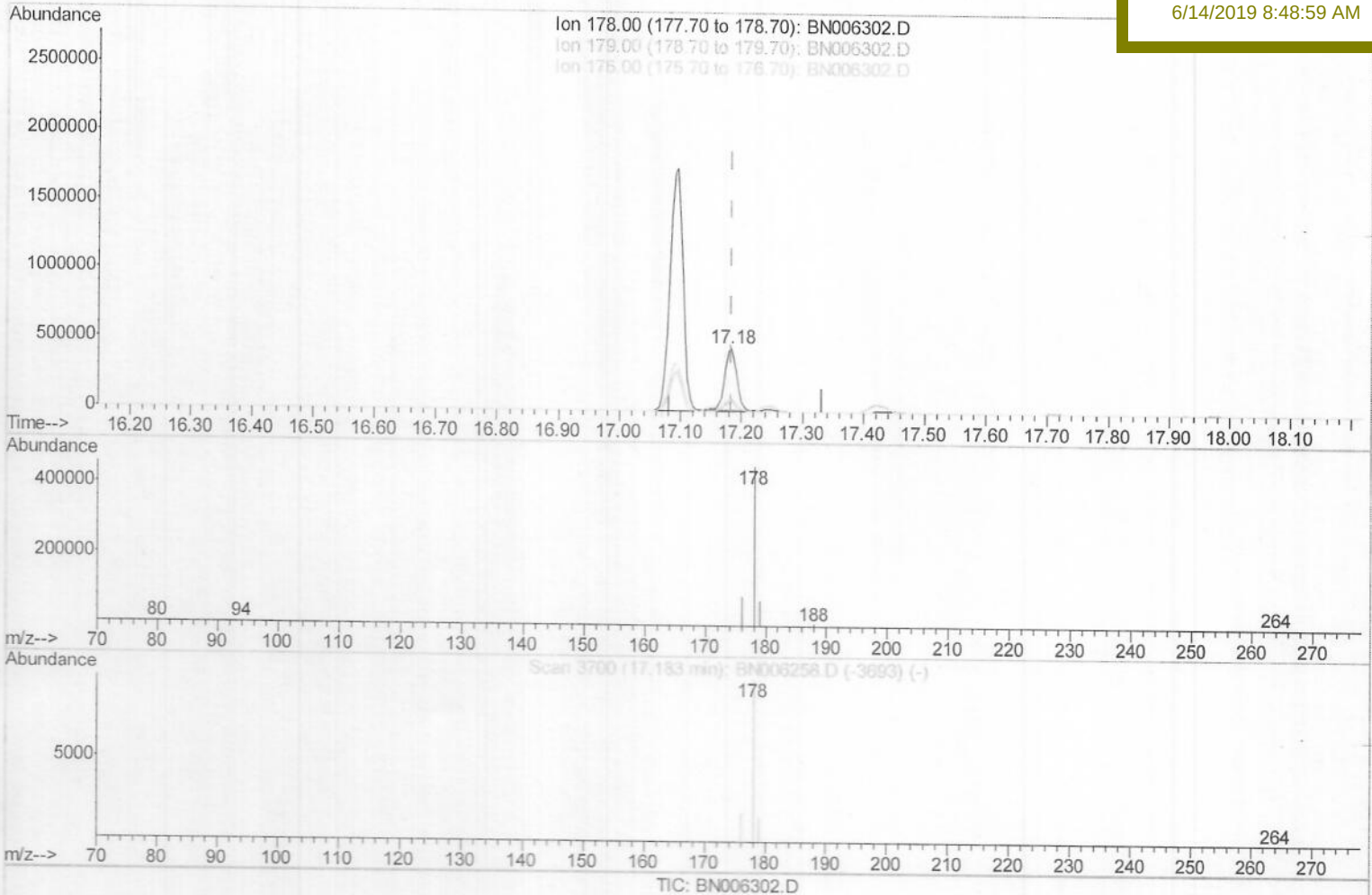
A51F6

Manual Integrations

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(13) Anthracene

17.183min (-0.000) 6.50ng/ul m

response 606023

Ion Exp% Act%

178.00 100 100

179.00 15.30 15.67

176.00 18.90 18.53

0.00 0.00 0.00

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Quantitation Report (Qedit)

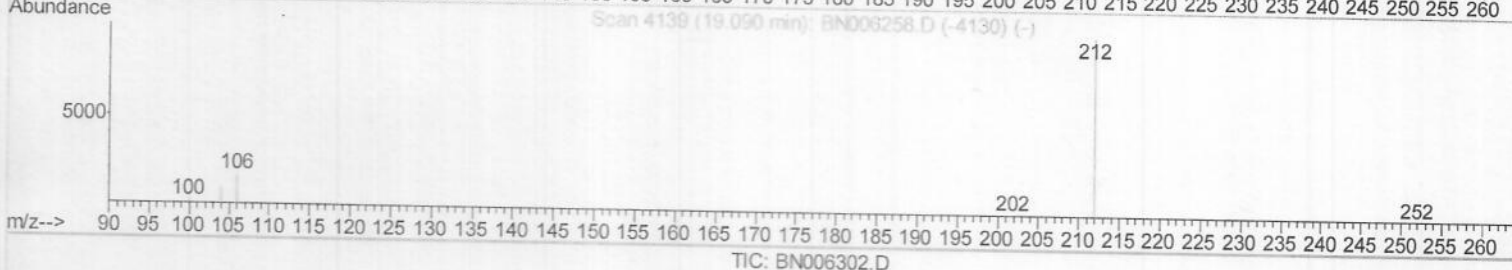
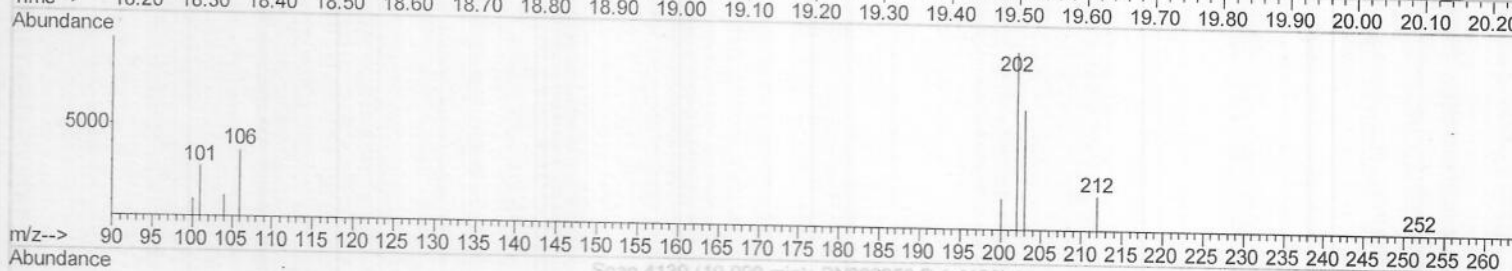
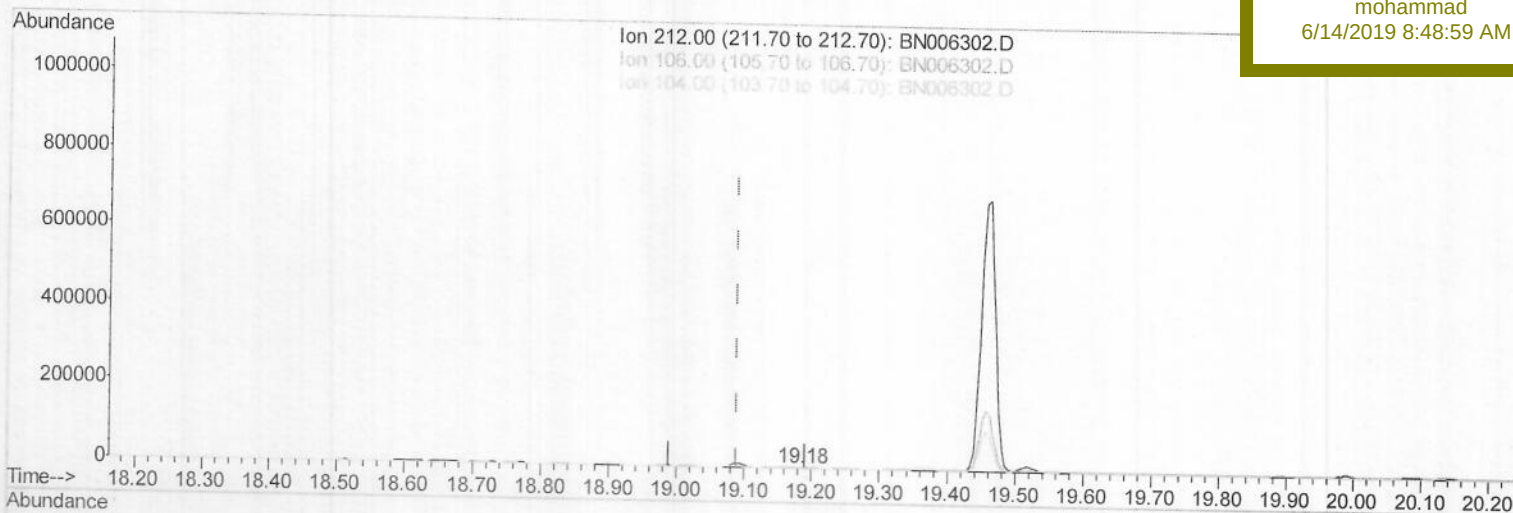
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51F6

Manual Integrations
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Quant Time: Jun 13 16:40:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.183min (+0.093) 0.02ng/ul

response 1864

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	134.66#
104.00	9.90	27.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

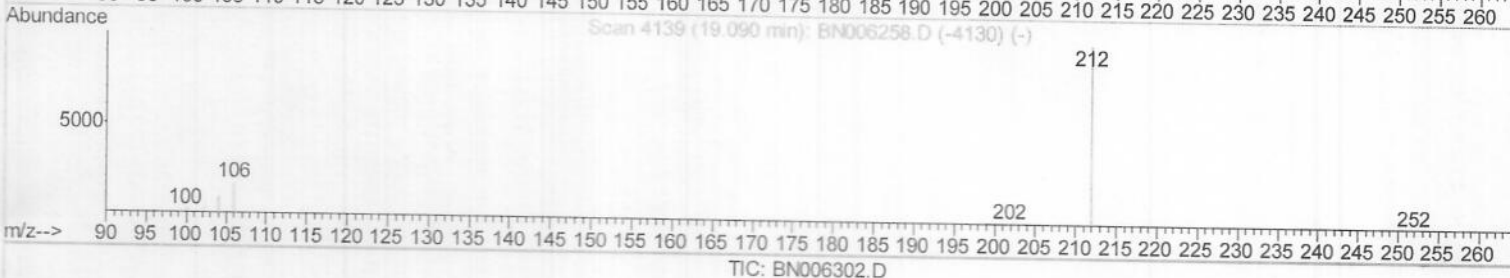
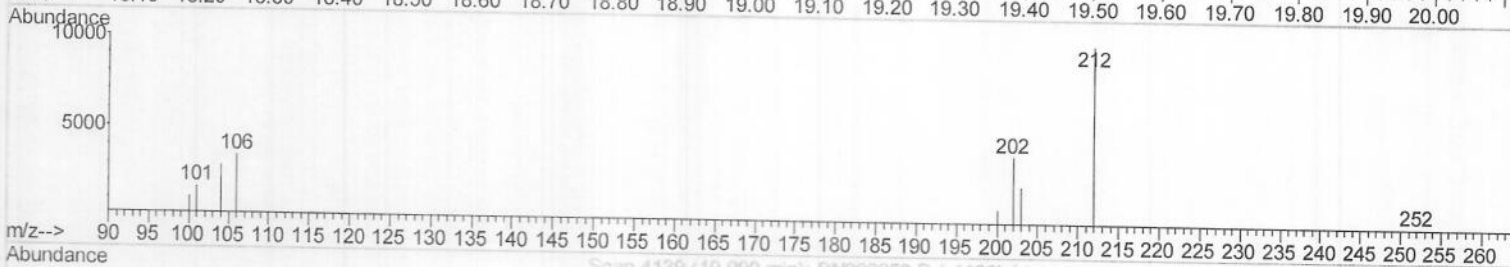
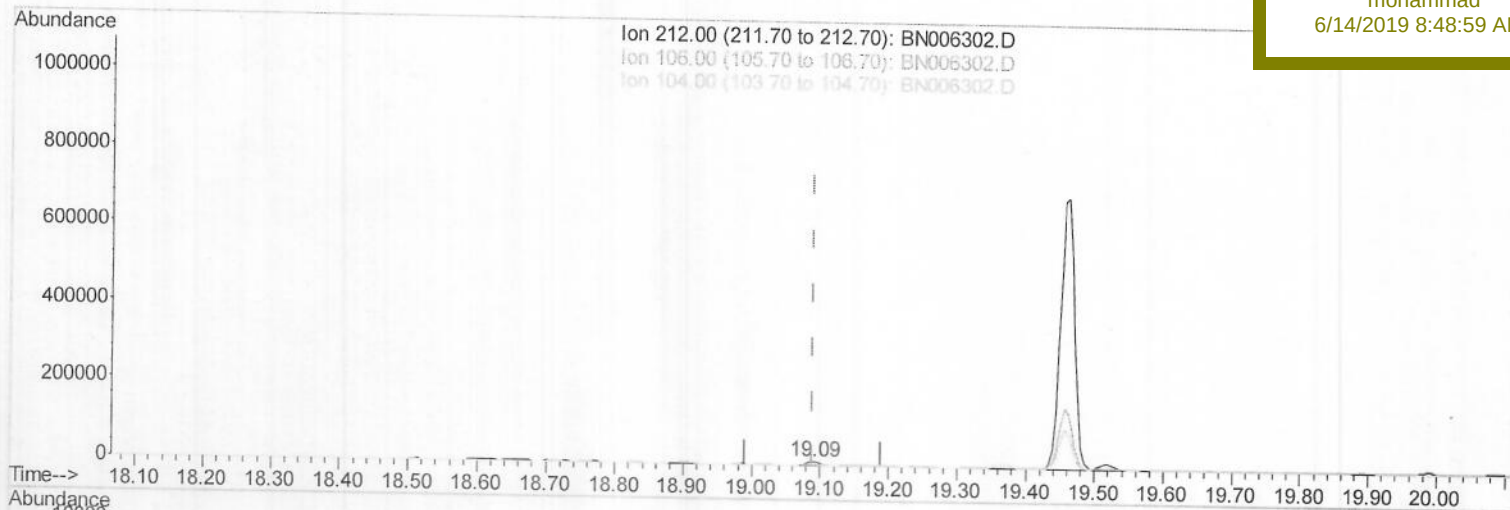
A51F6

Manual Integrations

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(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.18ng/ul m

response 14317

Ion Exp% Act%

212.00 100 100

106.00 18.10 17.53

104.00 9.90 3.58#

0.00 0.00 0.00

JU
06/14/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

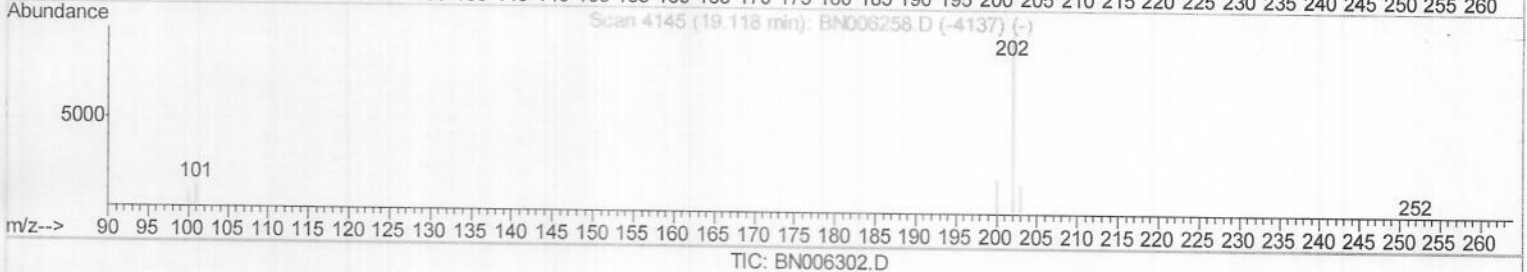
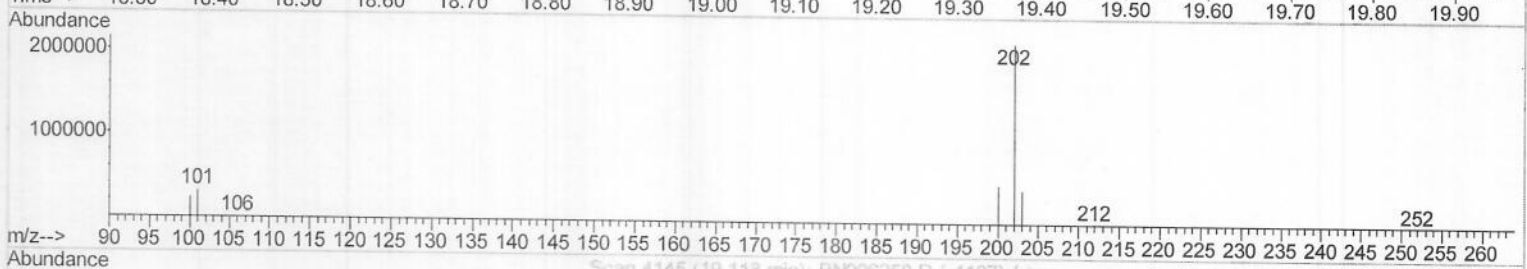
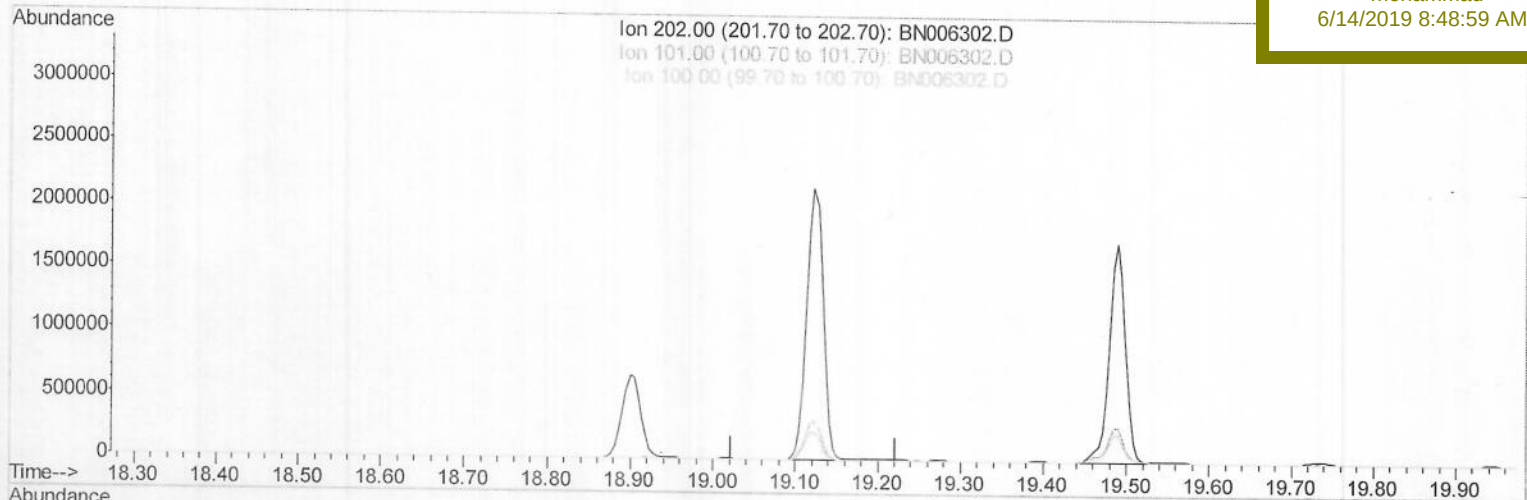
A51F6

Manual Integrations

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(15) Fluoranthene (C)

19.123min (-19.123) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	12.10	0.00
100.00	8.70	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

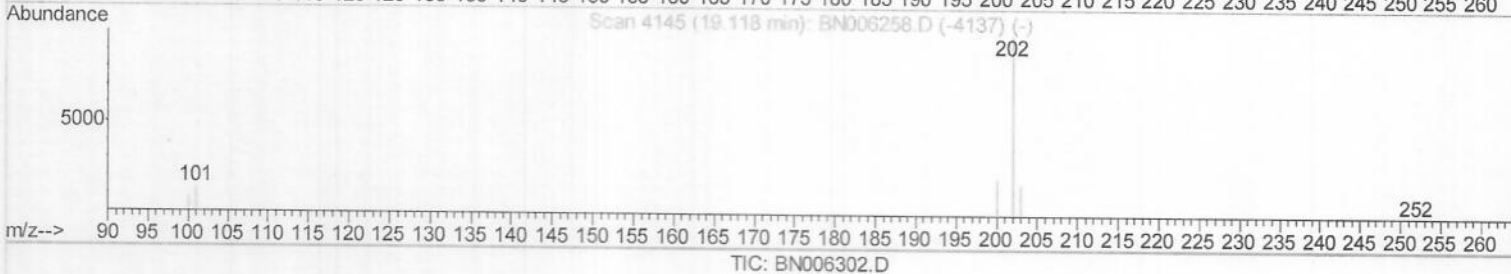
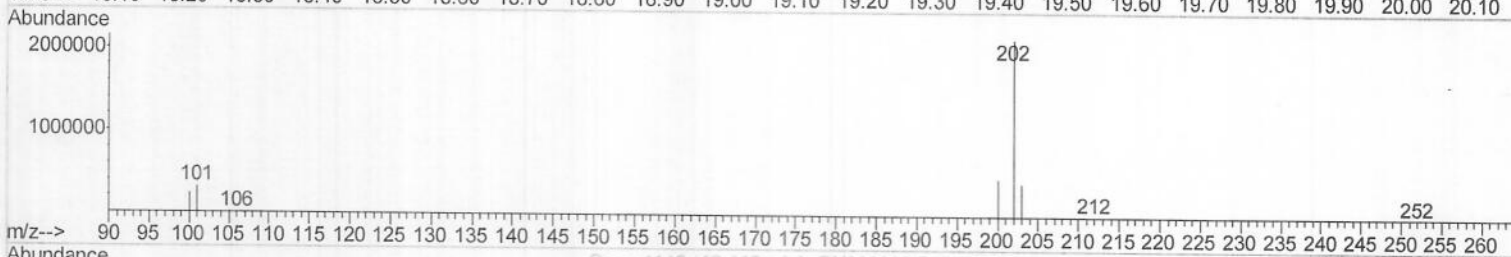
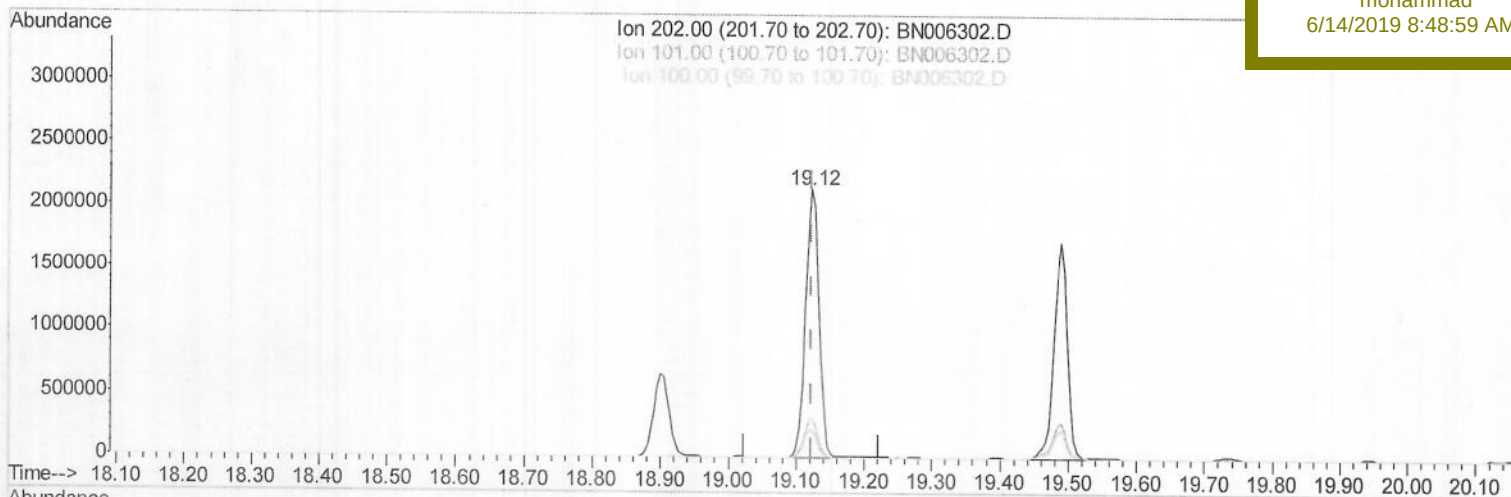
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

A51F6

Manual Integrations
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(15) Fluoranthene (C)

19.123min (-0.000) 27.43ng/ul m

response 2954955

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	14.54
100.00	8.70	10.69
0.00	0.00	0.00

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06/14/19

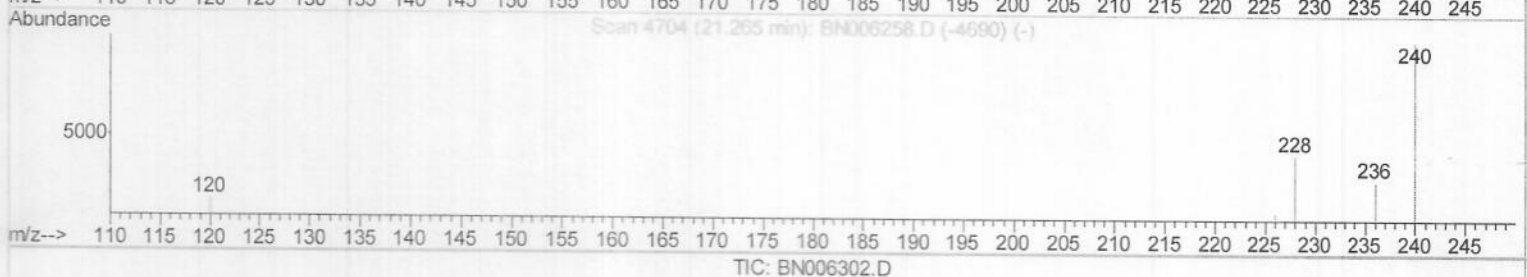
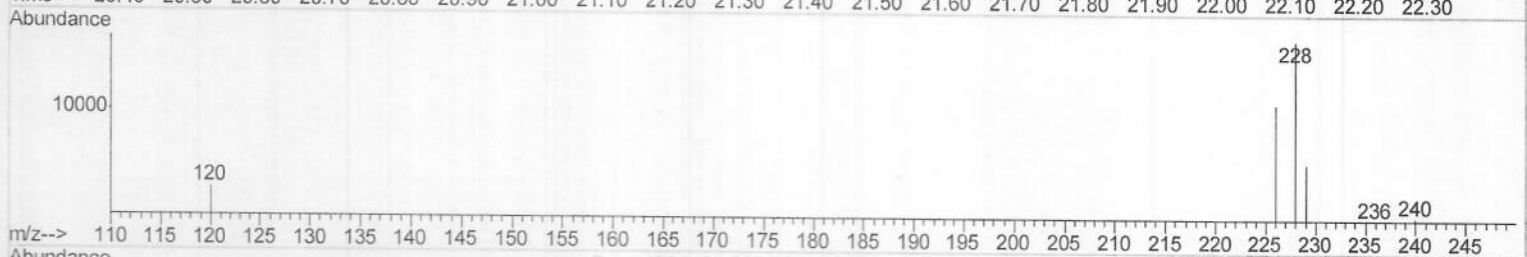
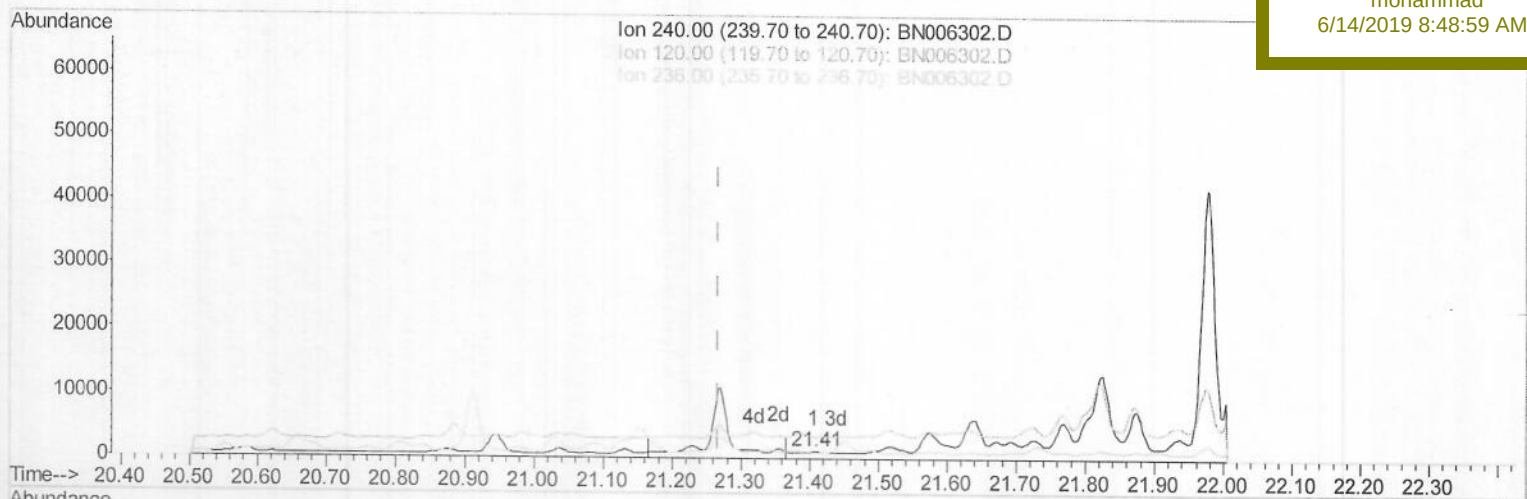
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:40:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F6

Manual Integrations
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(16) Chrysene-d12 (I)

21.407min (+0.139) 0.40ng/ul

response 415

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	284.82#
236.00	30.10	84.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

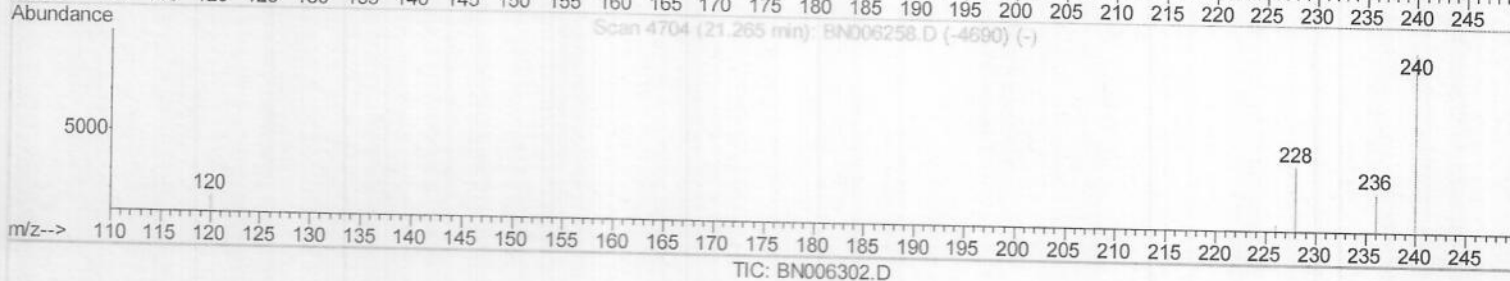
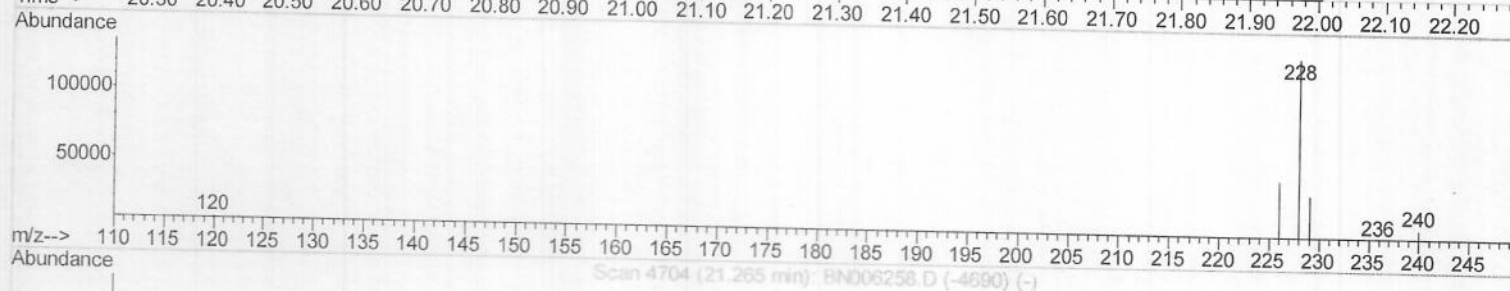
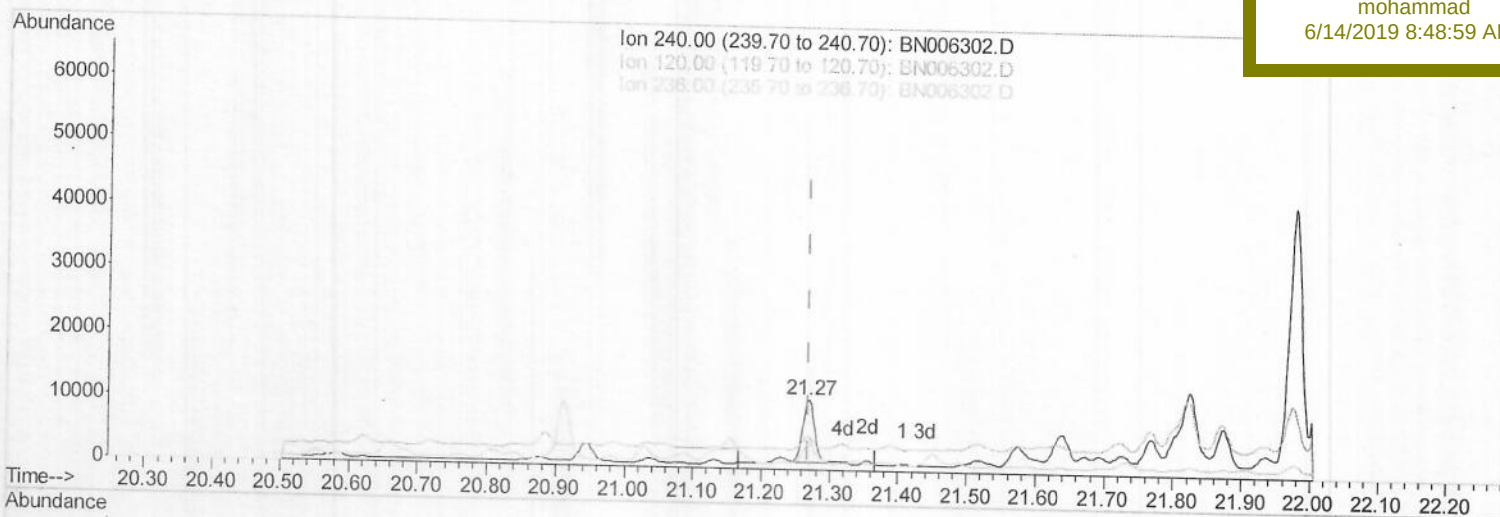
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
Client Sampled :
 A51F6

Manual Integrations
APPROVED

mohammad
 6/14/2019 8:48:59 AM

Quant Time: Jun 13 16:40:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.270min (+0.002) 0.40ng/ul m

response 11703

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	46.28#
236.00	30.10	37.89#
0.00	0.00	0.00

JU
06/14/19

Quantitation Report (Qedit)

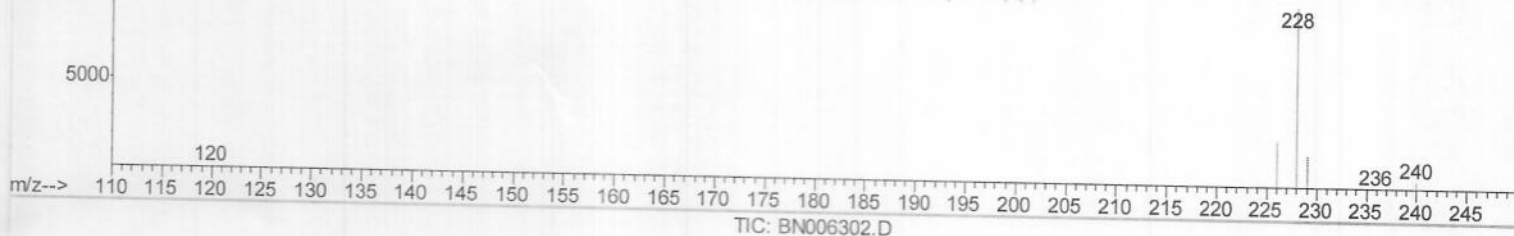
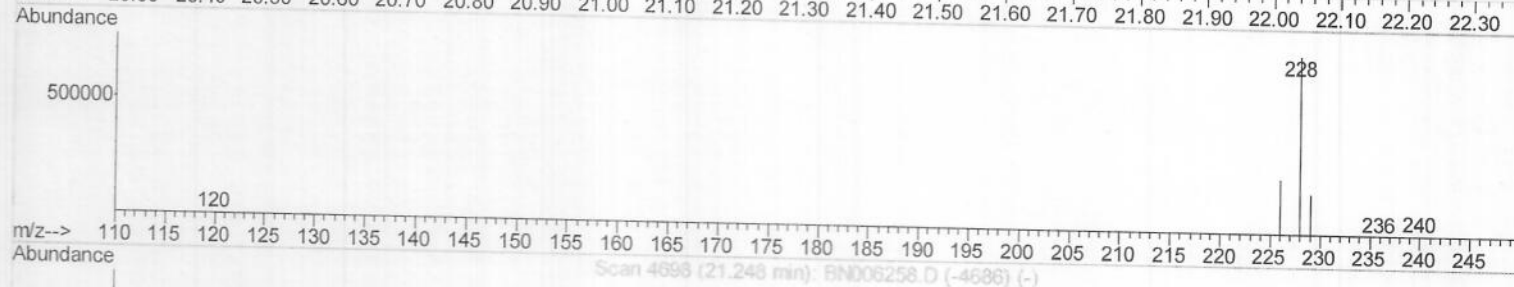
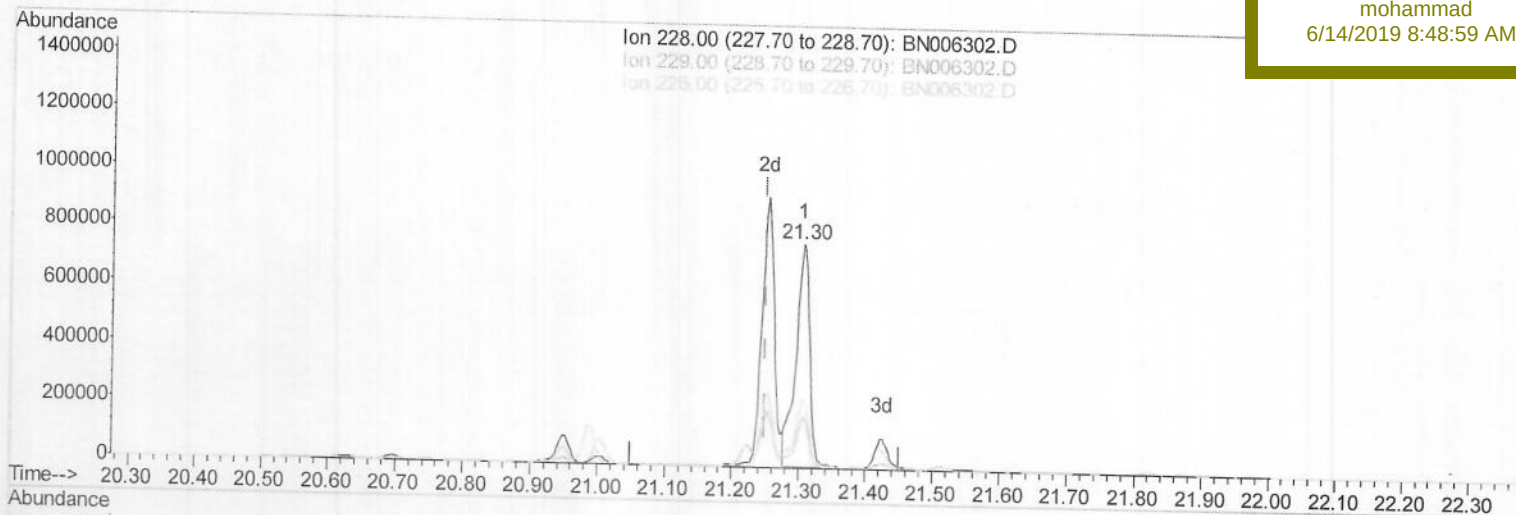
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 A51F6

Manual Integrations
APPROVED

mohammad
 6/14/2019 8:48:59 AM

Quant Time: Jun 13 16:46:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene
 21.305min (+0.054) 21.34ng/ul
 response 1104768

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	22.41
226.00	28.50	30.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

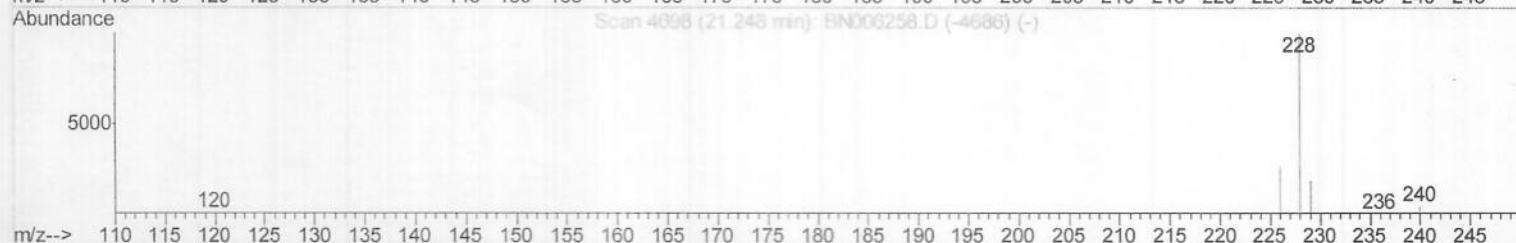
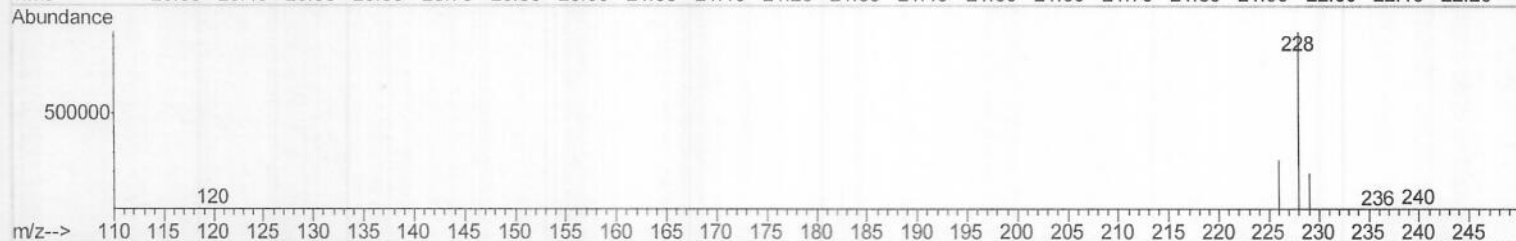
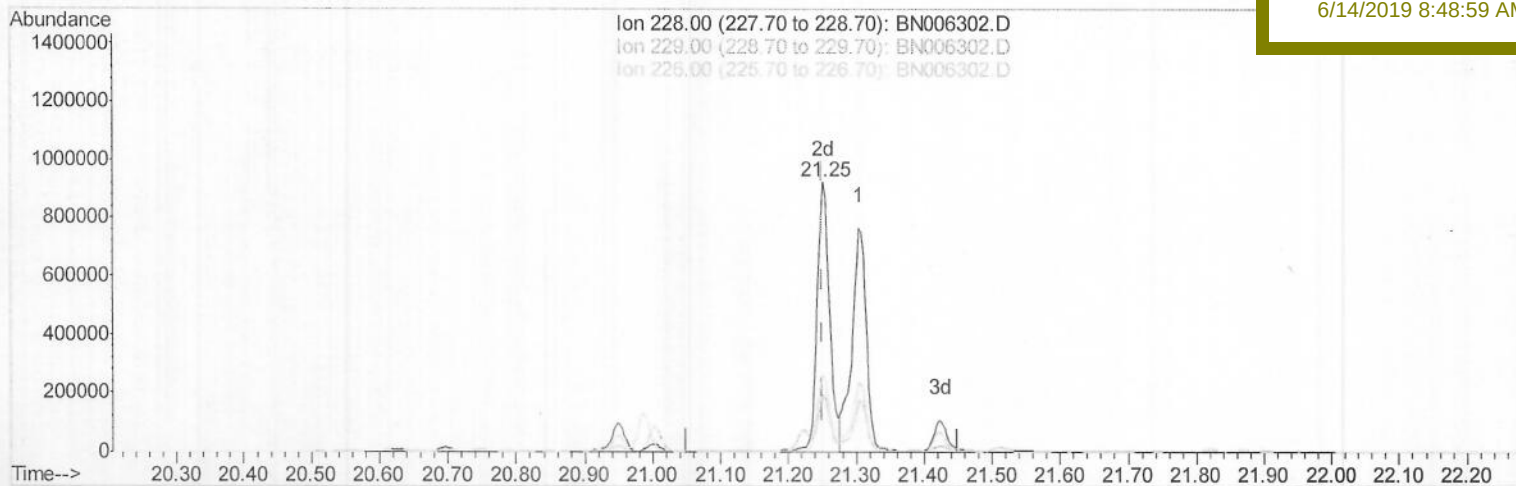
A51F6

Manual Integrations

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6/14/2019 8:48:59 AM



TIC: BN006302.D

(18) Benzo(a)anthracene

21.252min (+0.002) 23.04ng/ul m

response 1192652

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	20.79
226.00	28.50	28.06
0.00	0.00	0.00

SJ
06/14/19

Quantitation Report (Qedit)

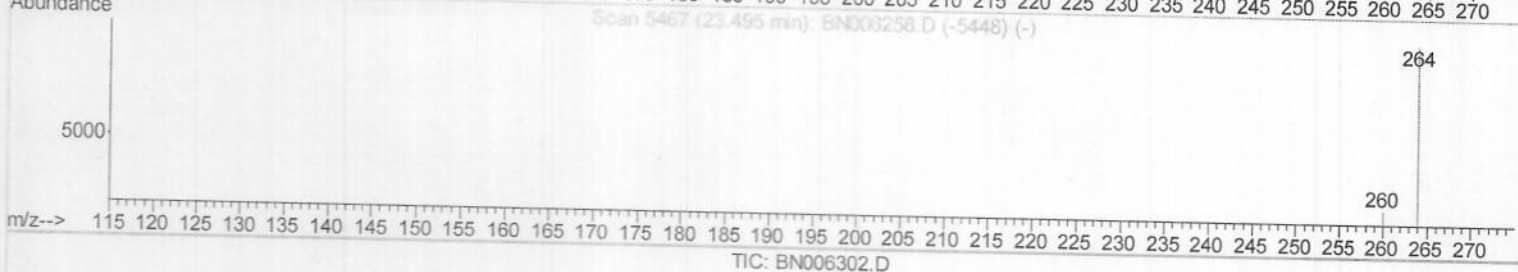
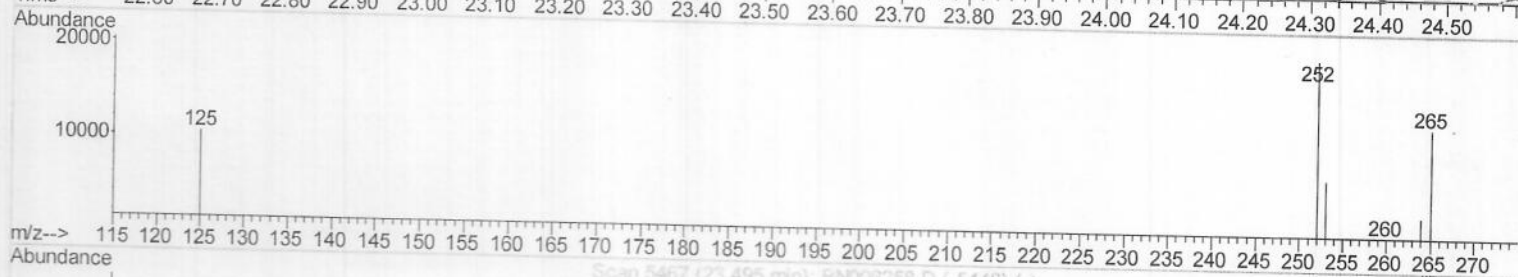
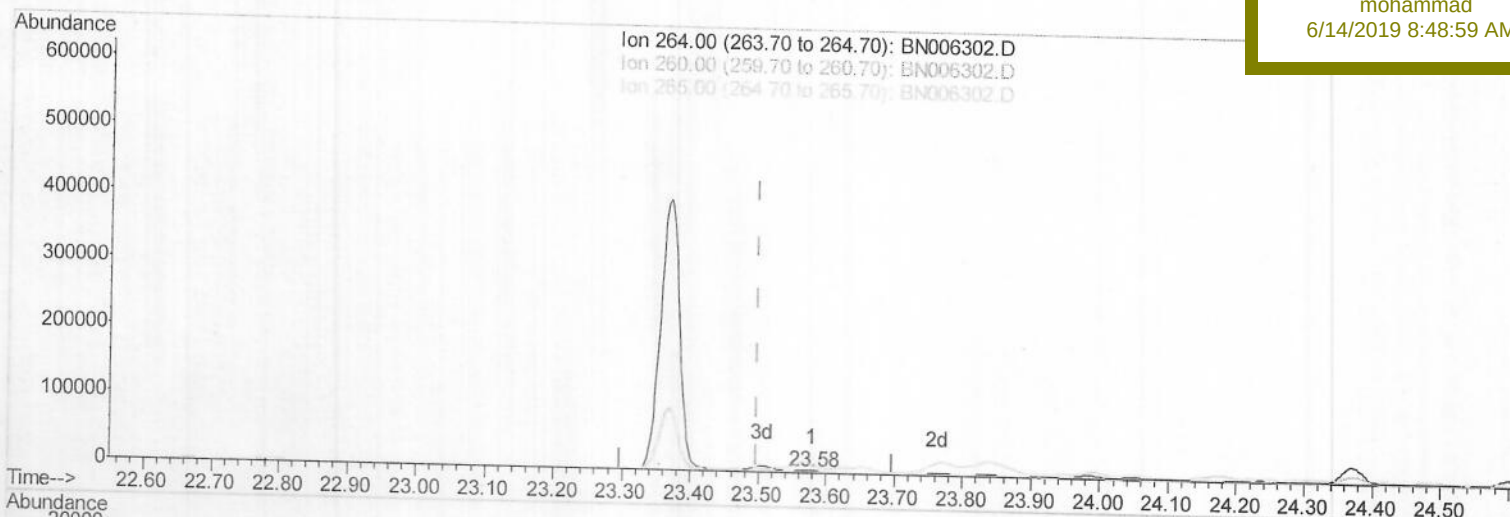
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A51F6

Manual Integrations
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 6/14/2019 8:48:59 AM



(20) Perylene-d12 (I)
 23.579min (+0.080) 0.40ng/ul
 response 2553

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	37.46#
265.00	44.70	370.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

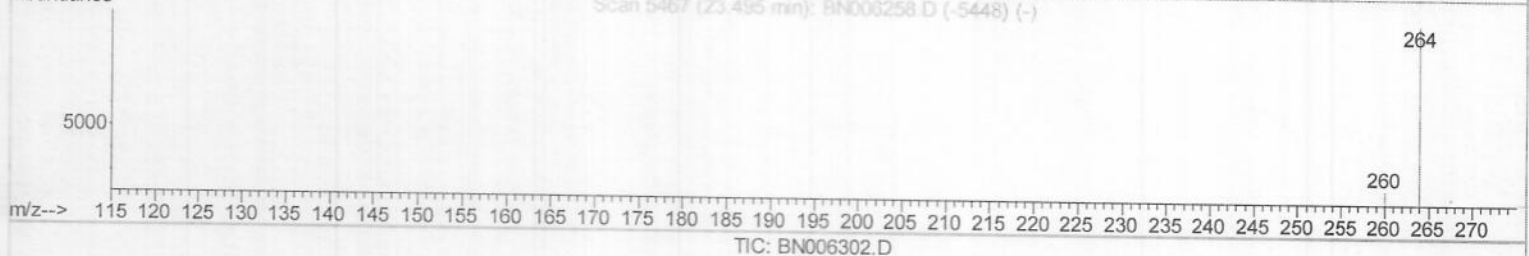
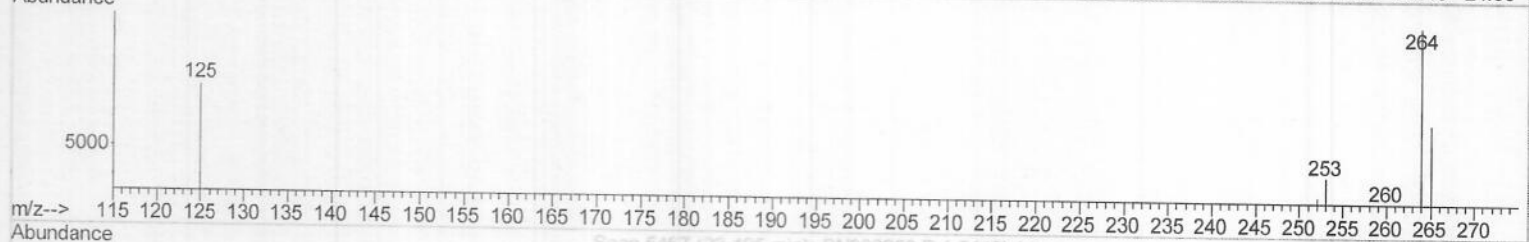
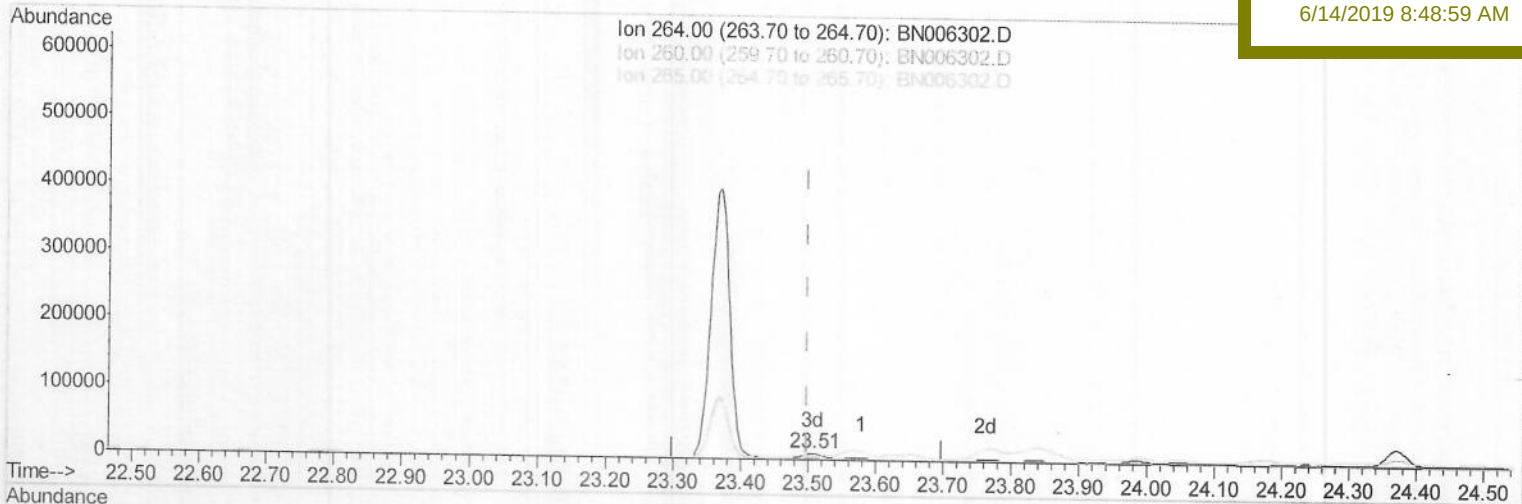
A51F6

Manual Integrations

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6/14/2019 8:48:59 AM



(20) Perylene-d12 (I)

23.506min (+0.007) 0.40ng/ul m

response 13693

Ion Exp% Act%

264.00 100 100

260.00 29.20 36.42#

265.00 44.70 65.39#

0.00 0.00 0.00

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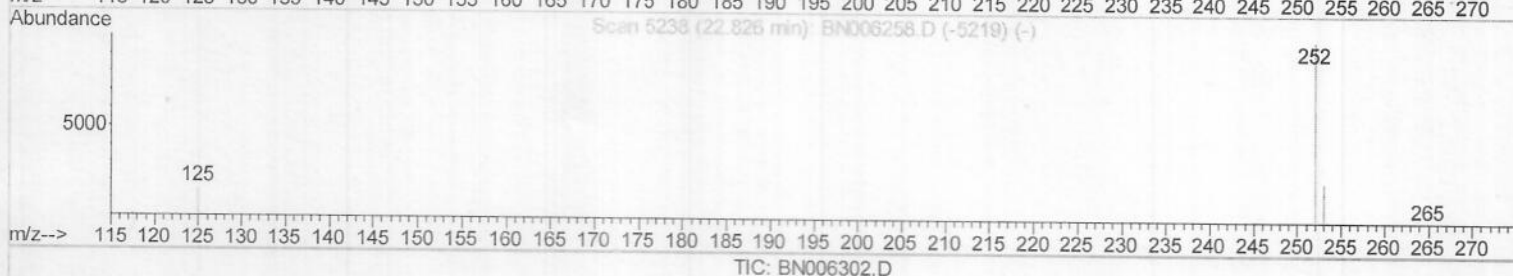
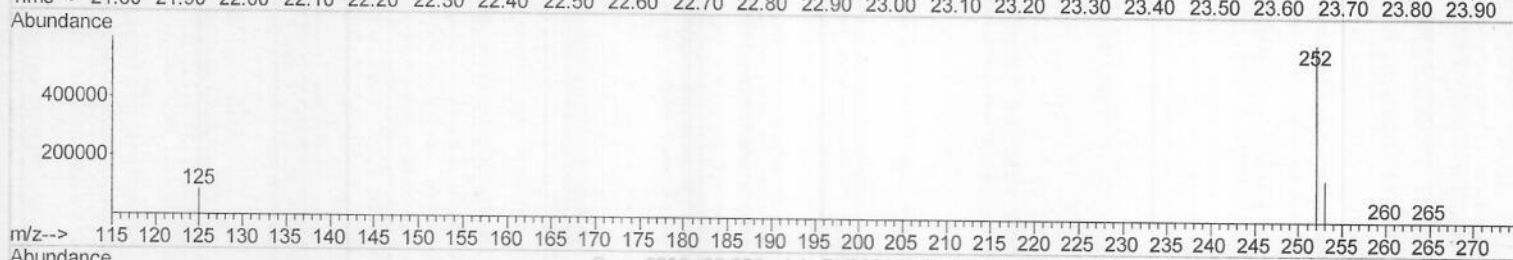
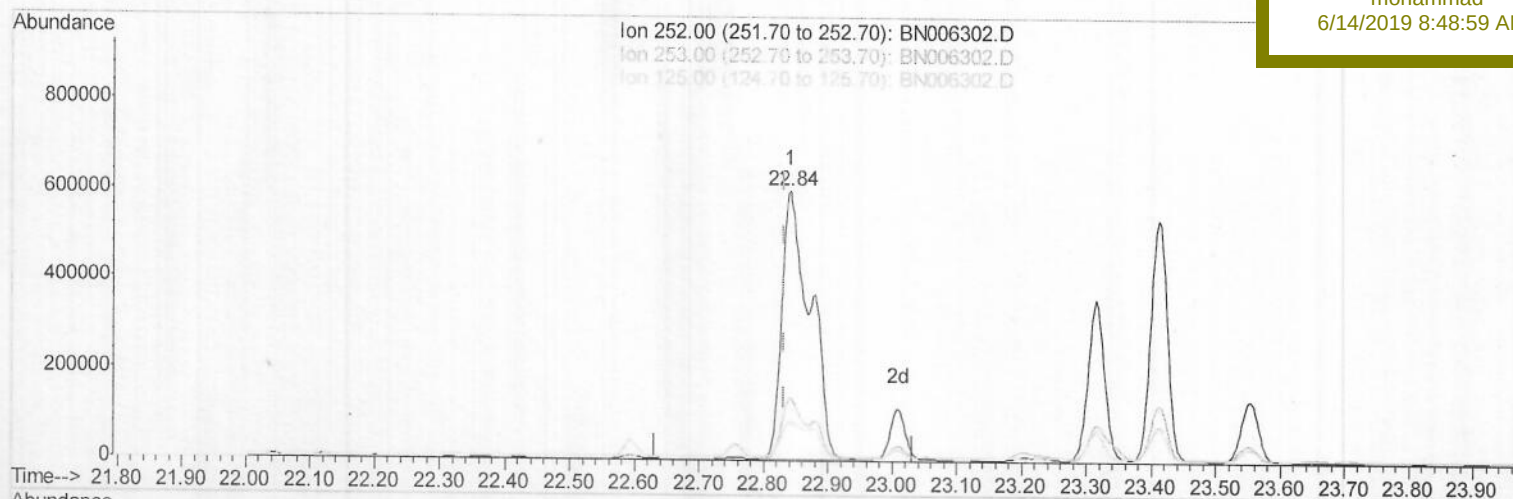
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F6

Manual Integrations
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mohammad
6/14/2019 8:48:59 AM



(21) Benzo(b)fluoranthene

22.842min (+0.010) 32.28ng/ul

response 1843116

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.08
125.00	20.50	14.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

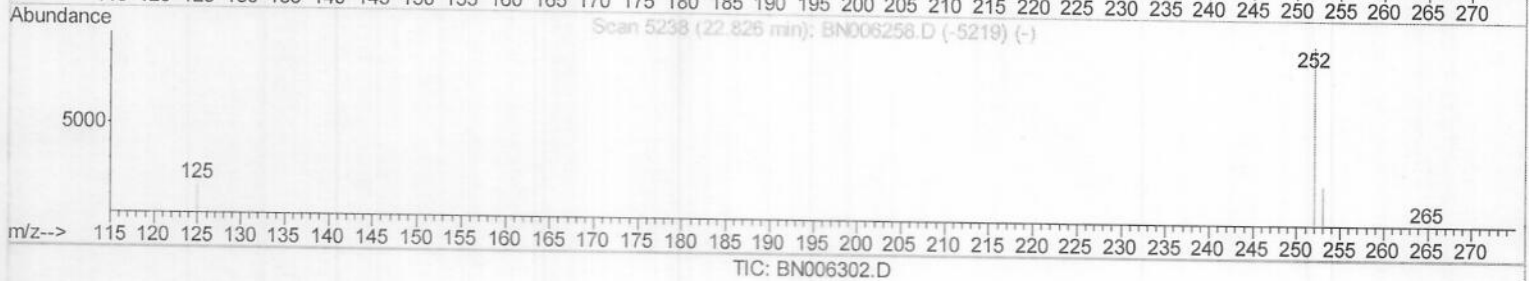
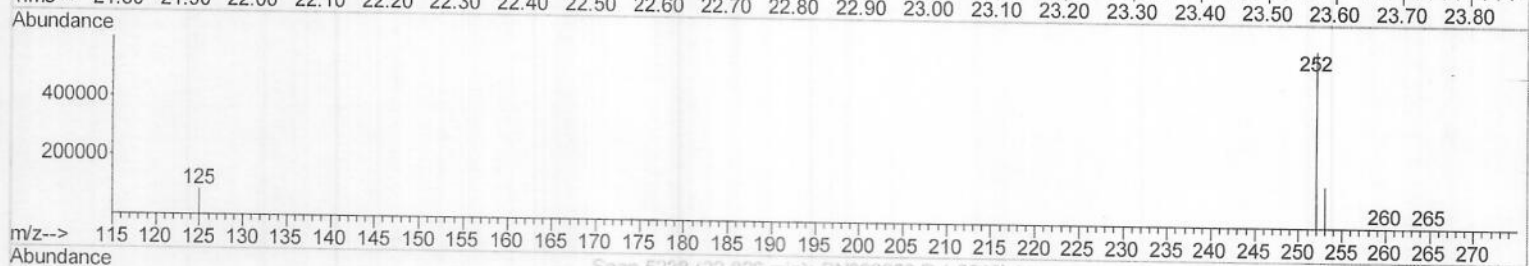
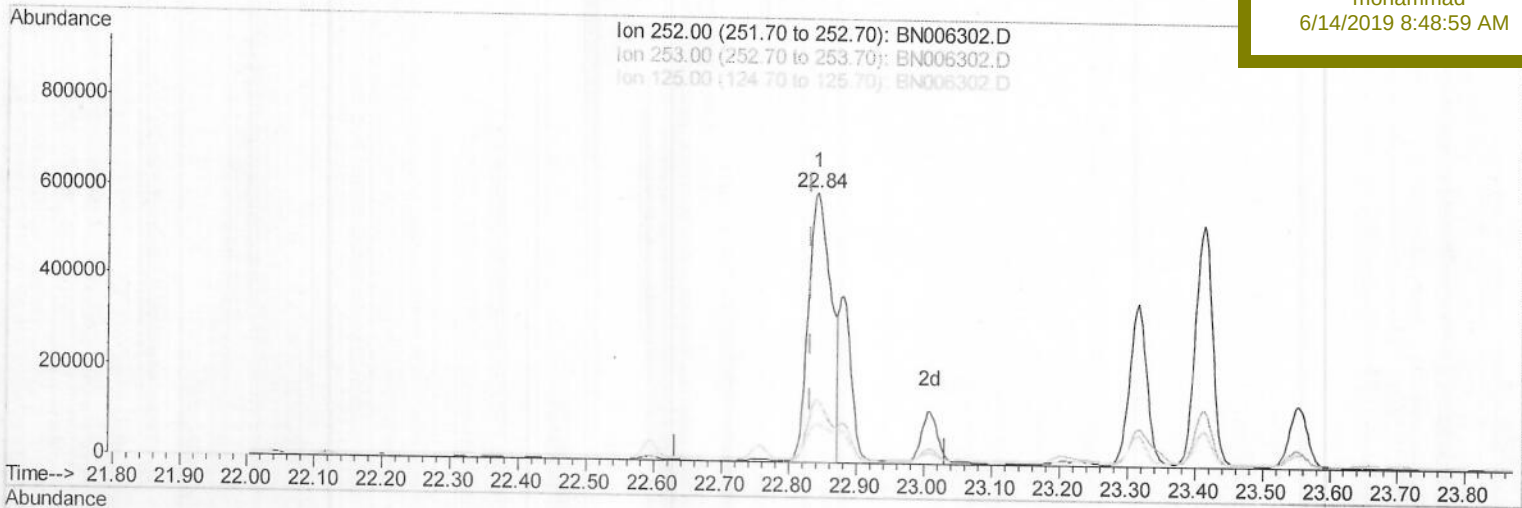
A51F6

Manual Integrations

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6/14/2019 8:48:59 AM



(21) Benzo(b)fluoranthene

22.842min (+0.010) 24.26ng/ul m

response 1385337

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.08
125.00	20.50	14.19
0.00	0.00	0.00

JU
06/14/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

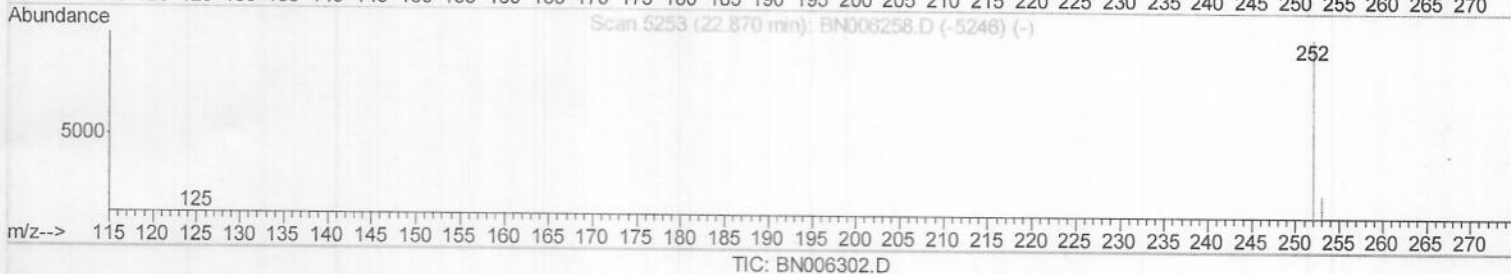
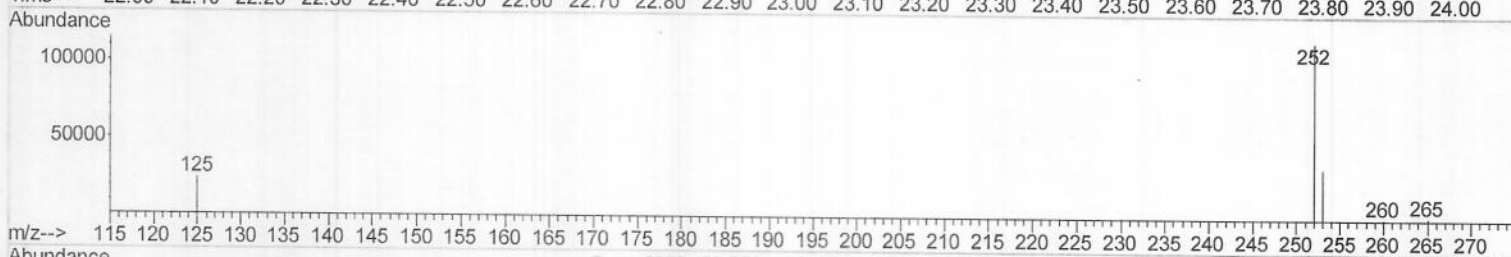
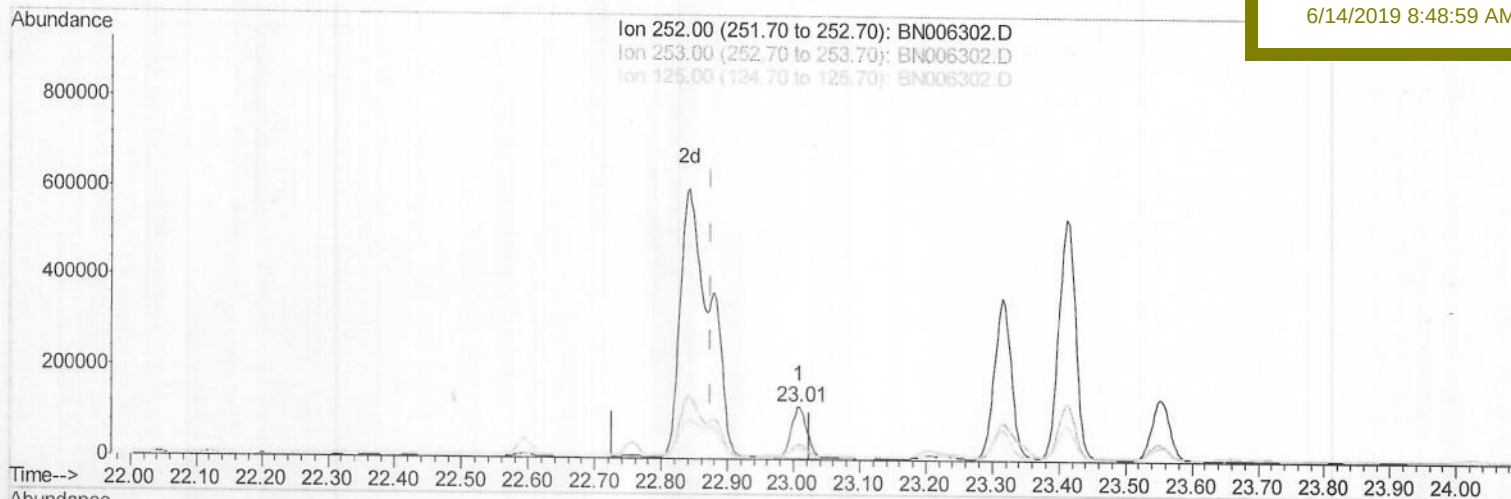
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A51F6

Manual Integrations
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6/14/2019 8:48:59 AM

(22) Benzo(k)fluoranthene

23.009min (+0.133) 3.41ng/ul

response 189650

Ion Exp% Act%

252.00 100 100

253.00 25.40 29.41

125.00 17.90 21.05

0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

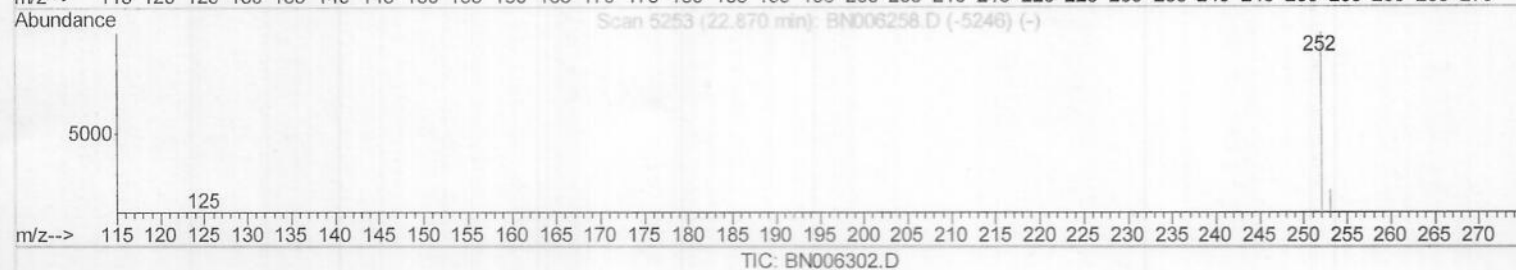
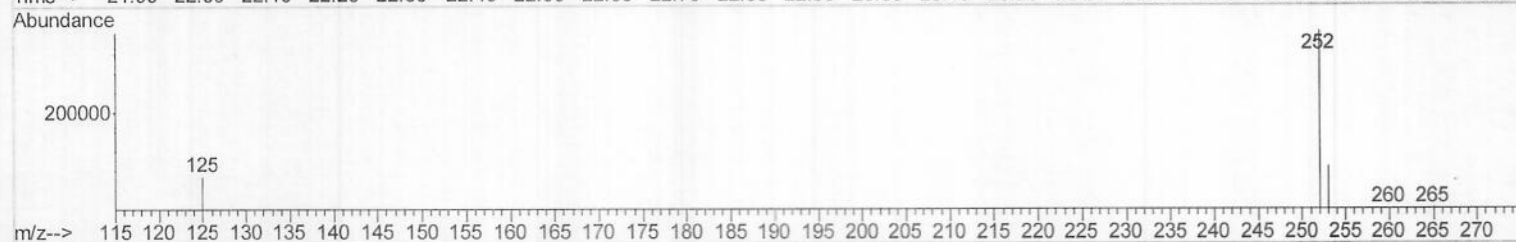
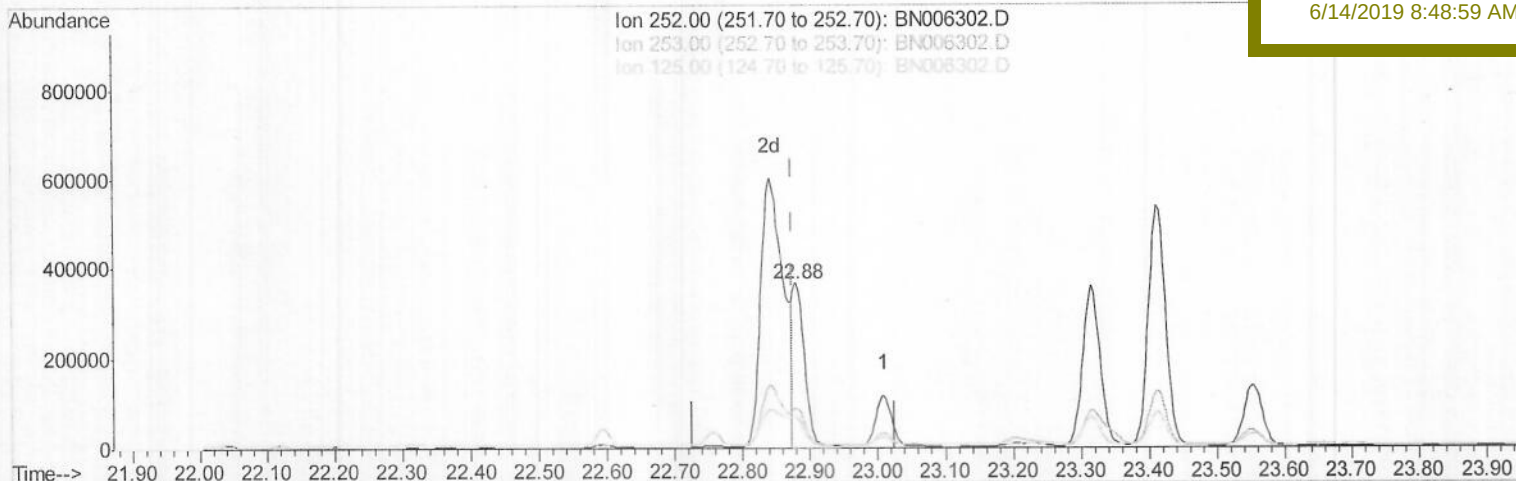
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A51F6

Manual Integrations
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6/14/2019 8:48:59 AM

(22) Benzo(k)fluoranthene

22.880min (+0.004) 8.53ng/ul m

response 474409

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	23.92
125.00	17.90	18.99
0.00	0.00	0.00

JU
06/14/19

Quantitation Report (Qedit)

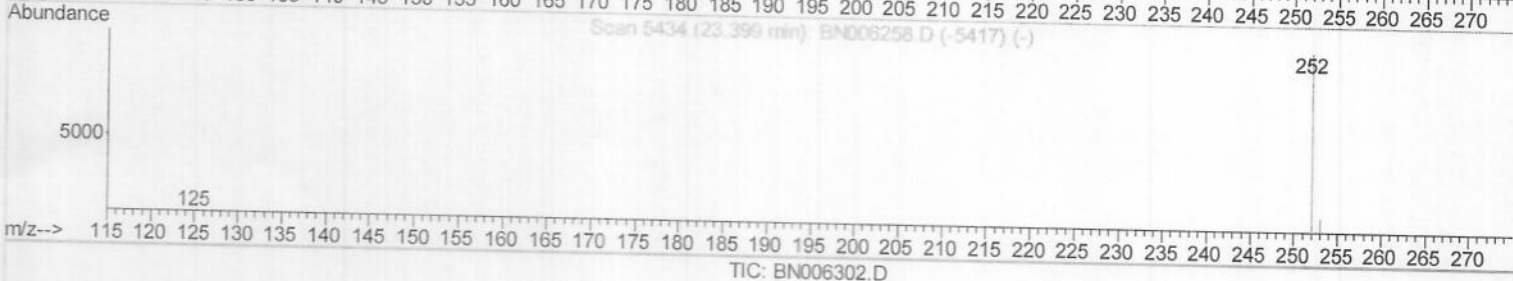
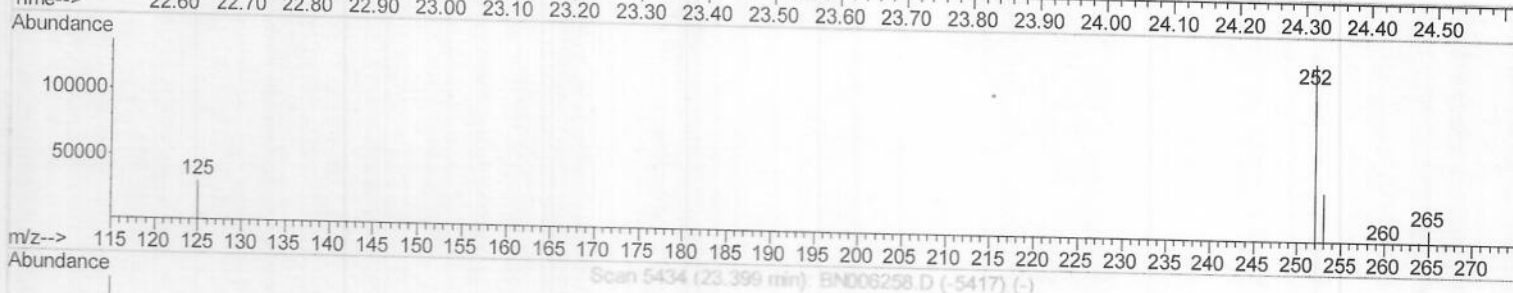
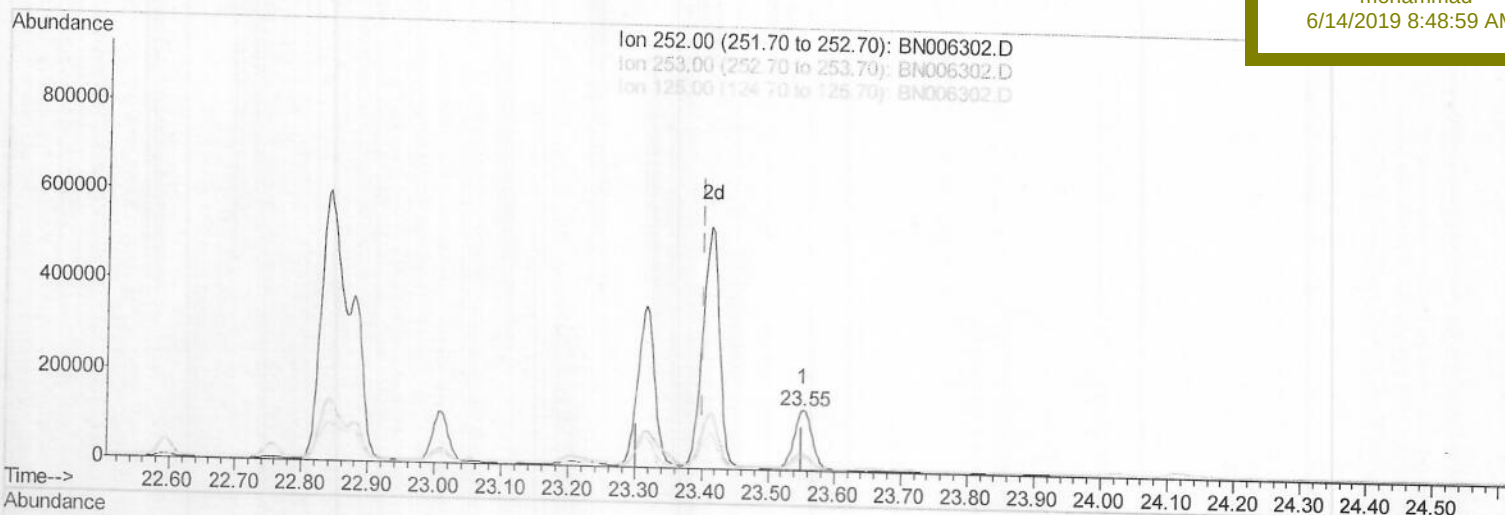
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A51F6

Manual Integrations
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 6/14/2019 8:48:59 AM



(23) Benzo(a)pyrene (C)
 23.552min (+0.151) 4.74ng/ul
 response 252116

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	28.13
125.00	25.40	22.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

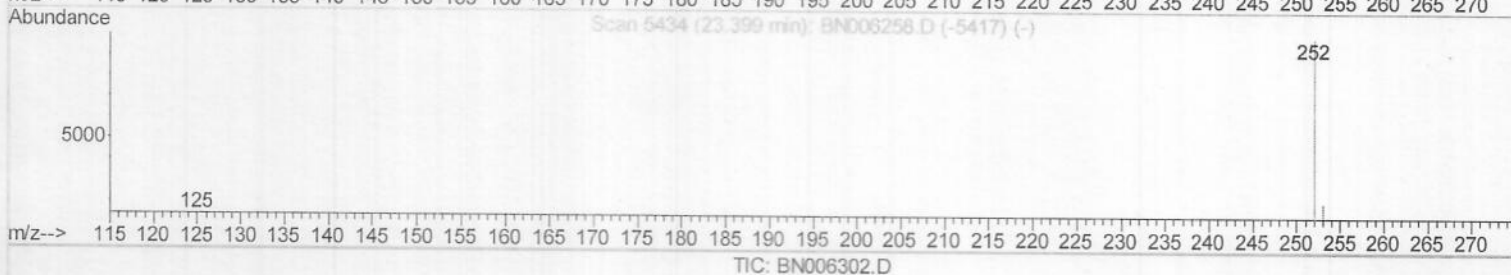
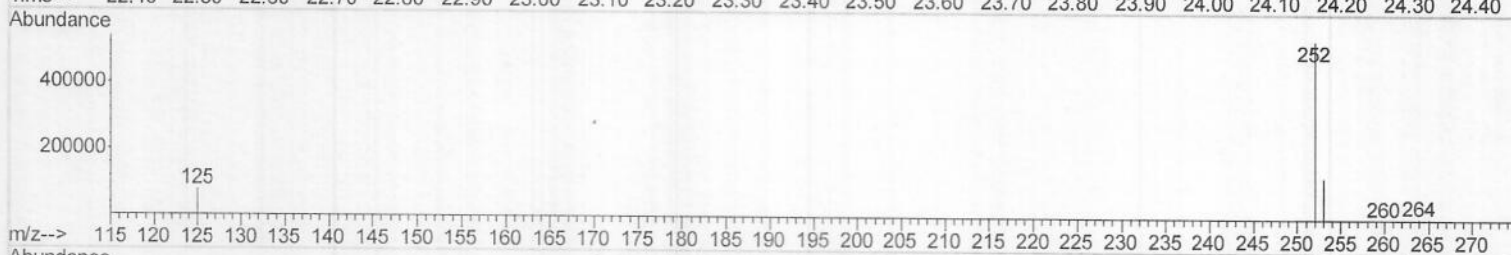
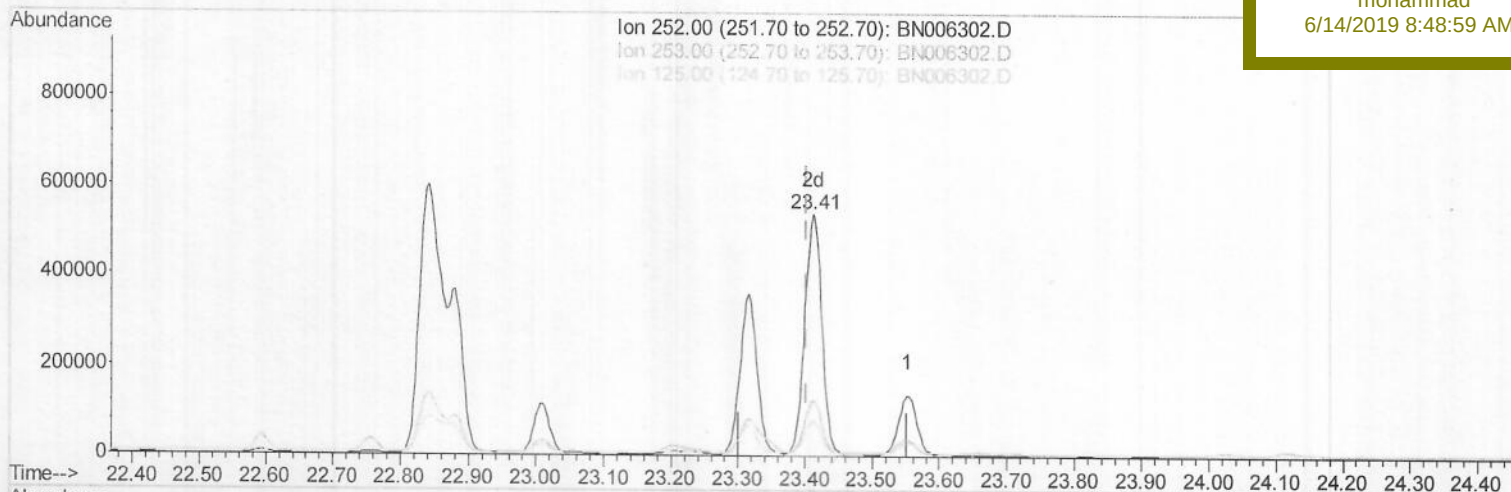
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A51F6

Manual Integrations
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6/14/2019 8:48:59 AM

(23) Benzo(a)pyrene (C)

23.412min (+0.010) 18.03ng/ul m

response 958966

Ion Exp% Act%

252.00 100 100

253.00 26.40 23.34

125.00 25.40 14.62#

0.00 0.00 0.00

JU
06/14/19

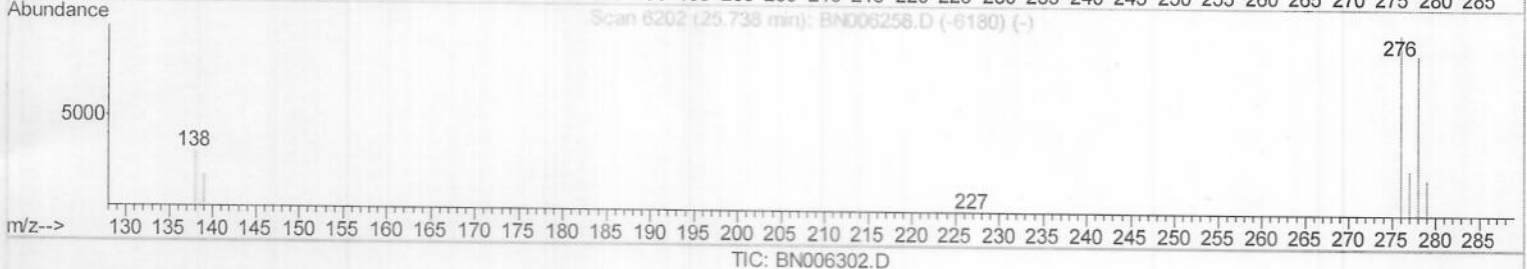
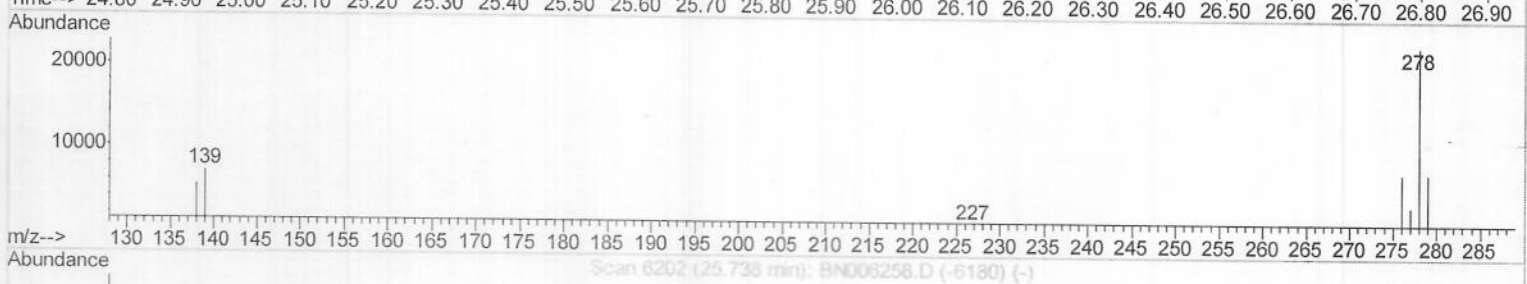
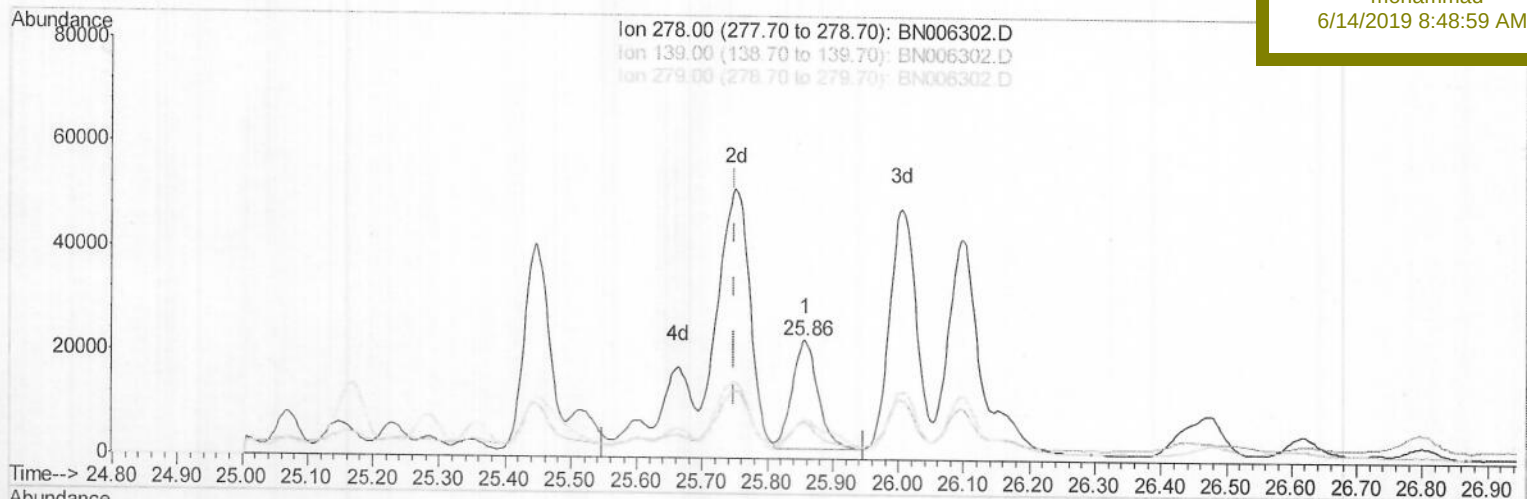
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
Data File : BN006302.D
Acq On : 13 Jun 2019 09:38
Operator : JU/SJ
Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
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Instrument :
BNA_N
ClientSampleId :
A51F6

Manual Integrations
APPROVED

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6/14/2019 8:48:59 AM



(25) Dibenzo(a,h)anthracene

25.857min (+0.109) 1.25ng/ul

response 57639

Ion	Exp%	Act%
278.00	100	100
139.00	26.50	30.75
279.00	28.20	32.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\

Data File : BN006302.D

Acq On : 13 Jun 2019 09:38

Operator : JU/SJ

Sample : K3083-03

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 13 11:20:30 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

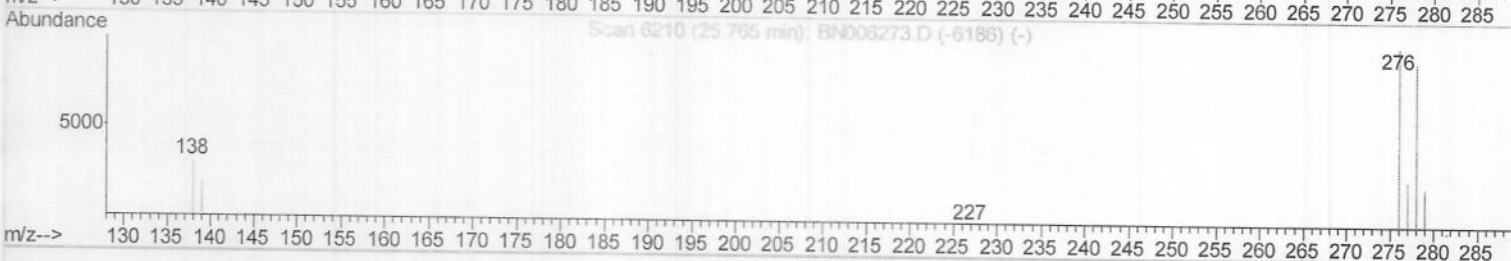
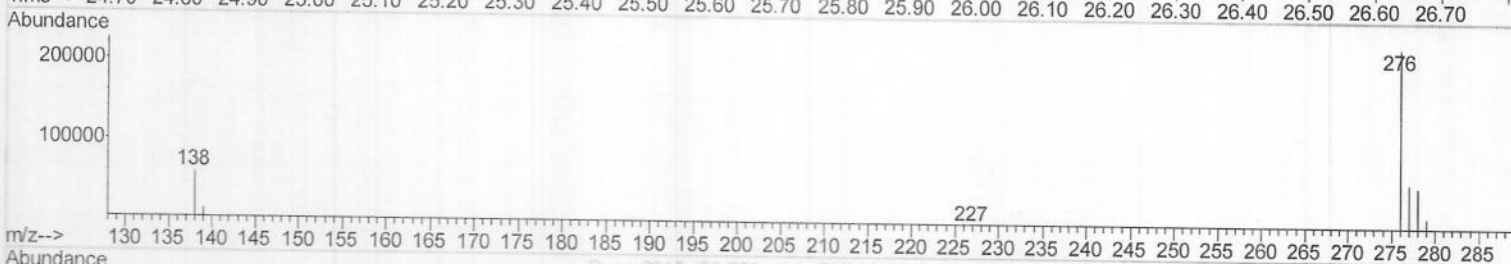
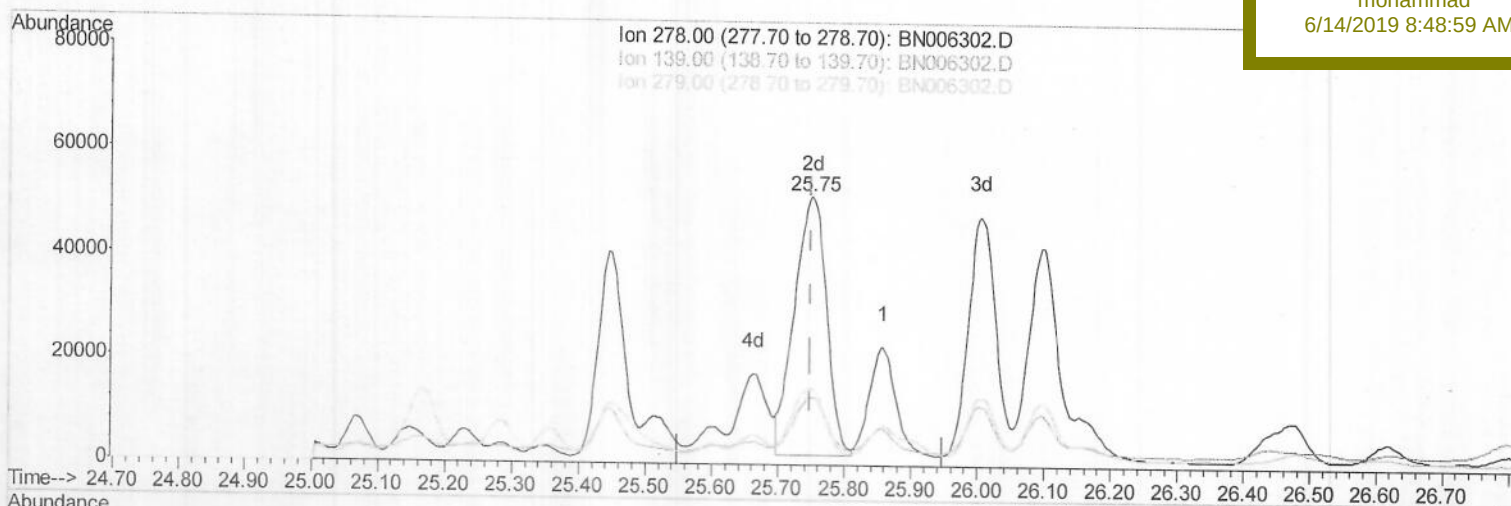
A51F6

Manual Integrations

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mohammad

6/14/2019 8:48:59 AM



(25) Dibenzo(a,h)anthracene

25.750min (+0.002) 3.63ng/ul m

response 166995

Ion	Exp%	Act%
278.00	100	100
139.00	26.50	25.12
279.00	28.20	28.18
0.00	0.00	0.00

JU
06/14/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sample ID :
 A51F6

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:48:59 AM

Quant Time: Jun 13 16:48:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4869	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	19401	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	11106	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	30397m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	11703m	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	13693m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	7374	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	14317m	0.18	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.47	128	180935	3.380	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	63731	1.708	ng/ul	99
7) Acenaphthylene	14.01	152	11141	0.180	ng/ul#	87
8) Acenaphthene	14.36	153	272162	6.355	ng/ul	99
9) Fluorene	15.35	166	247340	4.936	ng/ul	99
11) Pentachlorophenol	16.71	266	373m	0.048	ng/ul	
12) Phenanthrene	17.09	178	2581445m	26.456	ng/ul	
13) Anthracene	17.18	178	606023m	6.503	ng/ul	
15) Fluoranthene	19.12	202	2954955m	27.426	ng/ul	
17) Pyrene	19.49	202	2371952	38.478	ng/ul	98
18) Benzo(a)anthracene	21.25	228	1192652m	23.042	ng/ul	
19) Chrysene	21.30	228	1104768	22.736	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	1385337m	24.263	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	474409m	8.530	ng/ul	
23) Benzo(a)pyrene	23.41	252	958966m	18.034	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.75	276	613300	10.655	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.75	278	166995m	3.629	ng/ul	
26) Benzo(g,h,i)perylene	26.43	276	560396	11.624	ng/ul	95

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