

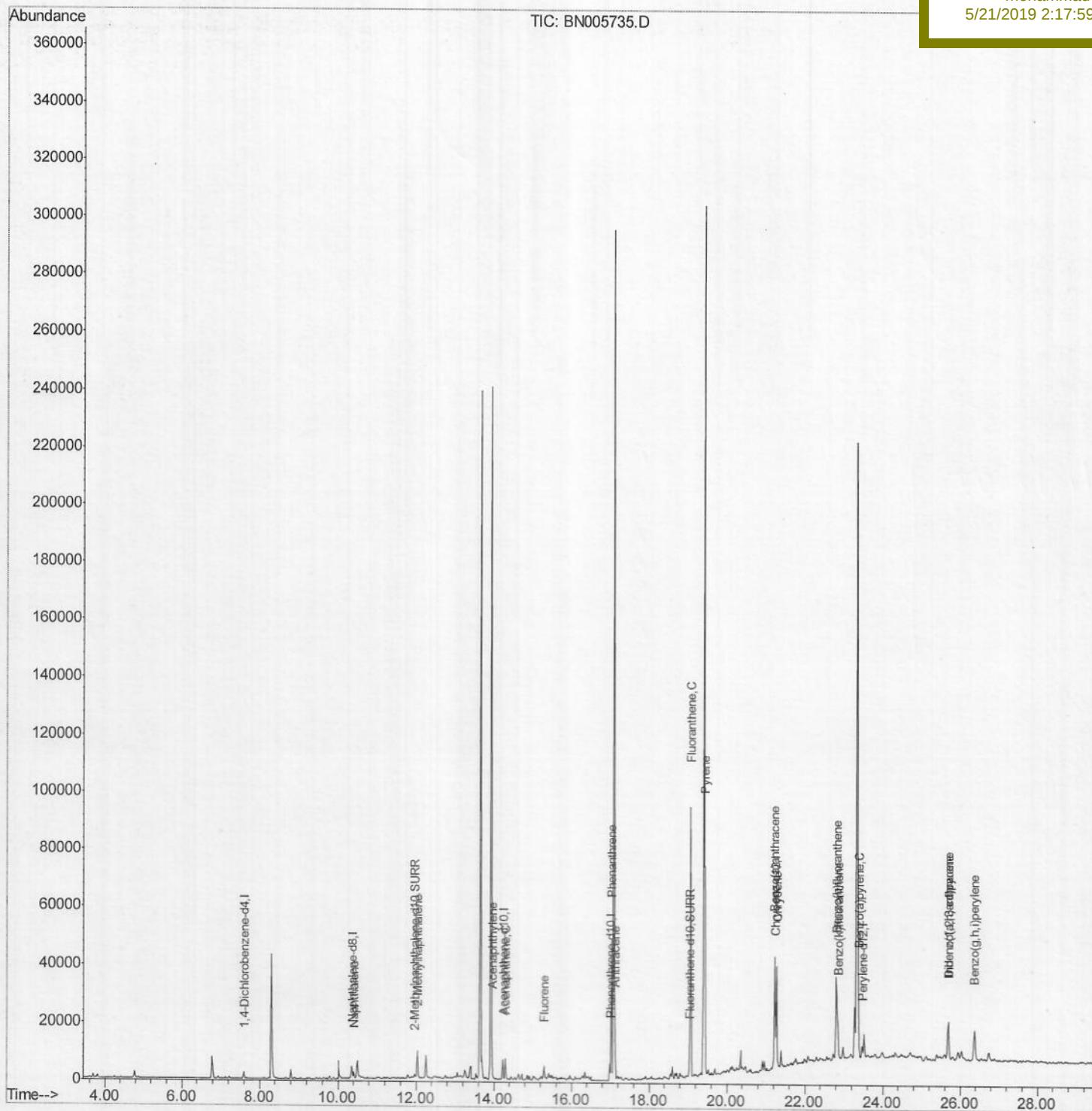
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:11:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
Client Sample Id :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:15 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

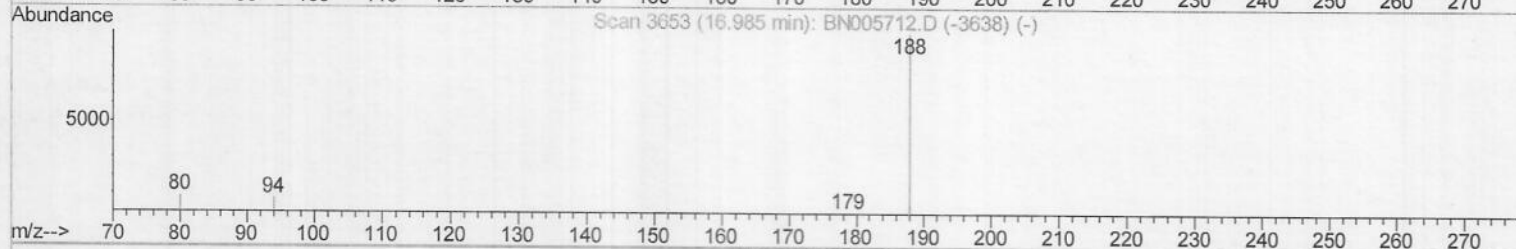
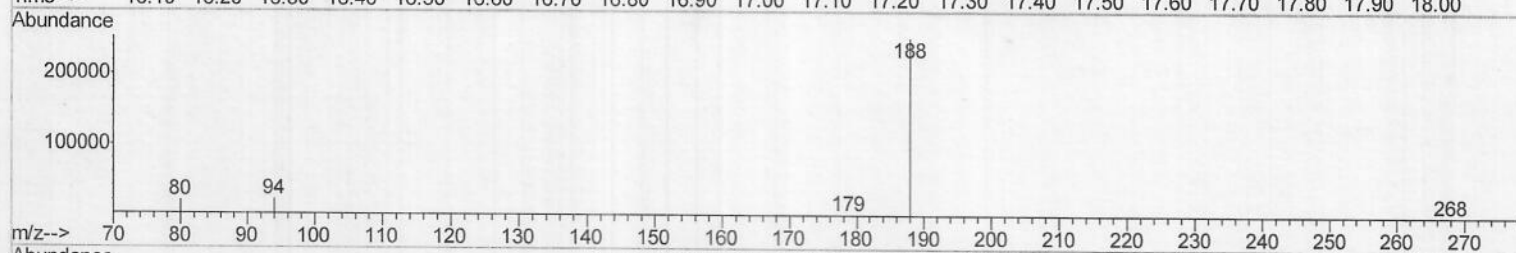
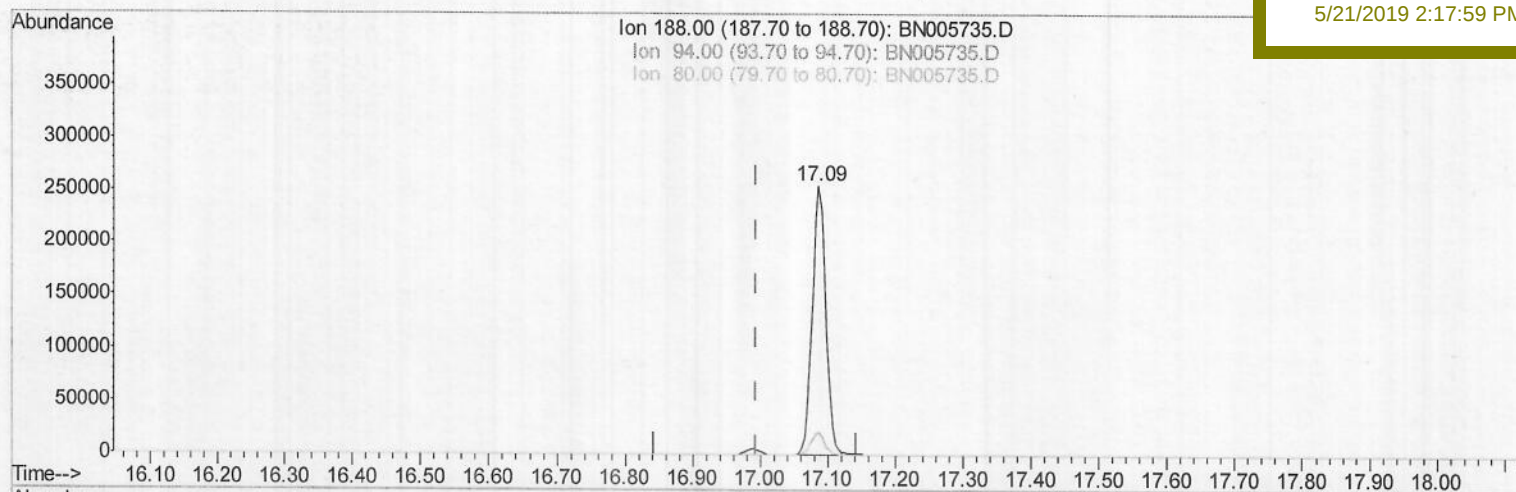
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

TIC: BN005735.D

(10) Phenanthrene-d10 (I)

17.086min (+0.093) 0.40ng/ul

response 351924

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	8.19
80.00	9.80	7.55#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:15 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

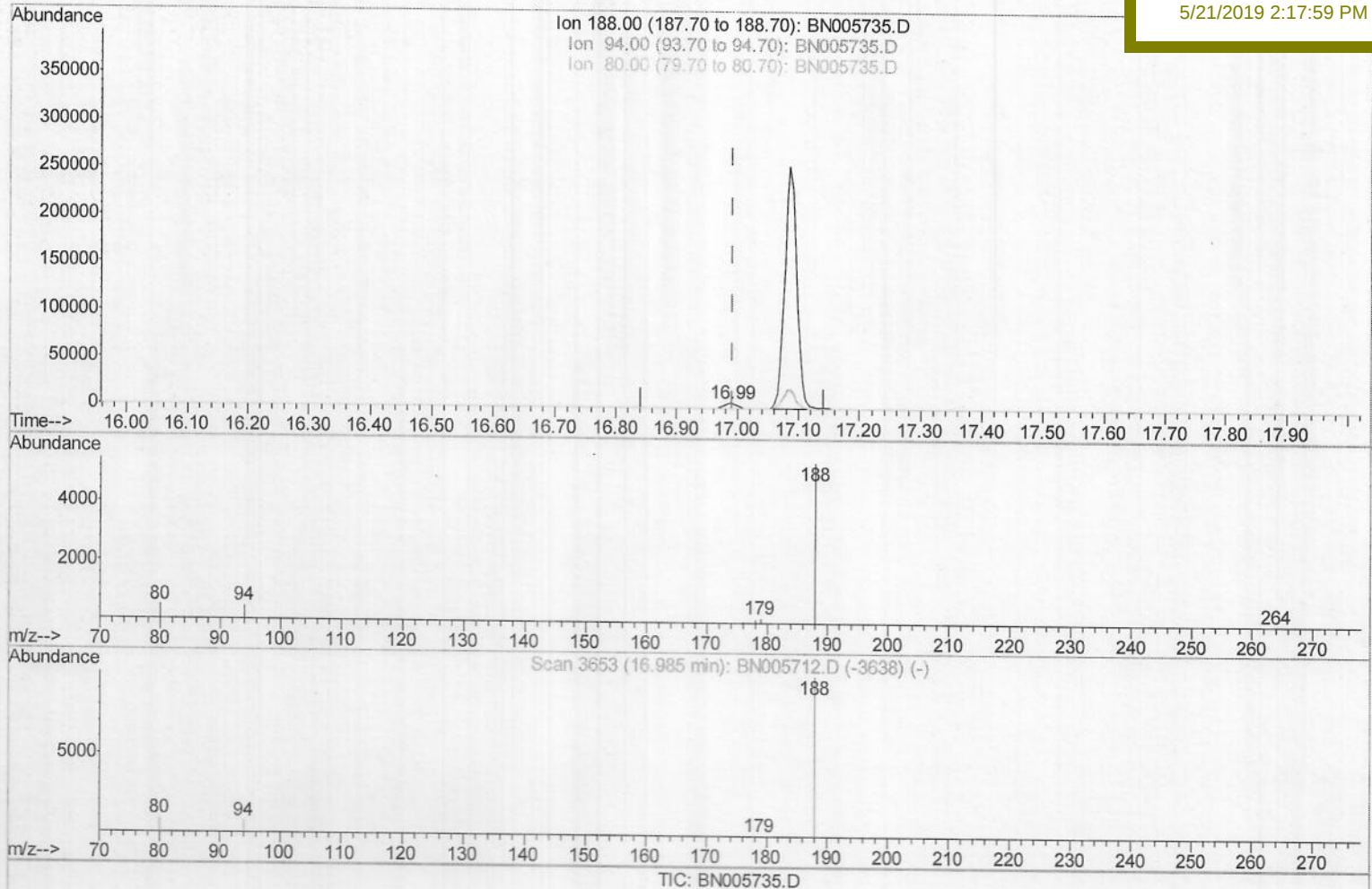
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

(10) Phenanthrene-d10 (I)

16.989min (-0.004) 0.40ng/ul m JU05131119

response 7848

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	9.21
80.00	9.80	9.56
0.00	0.00	0.00

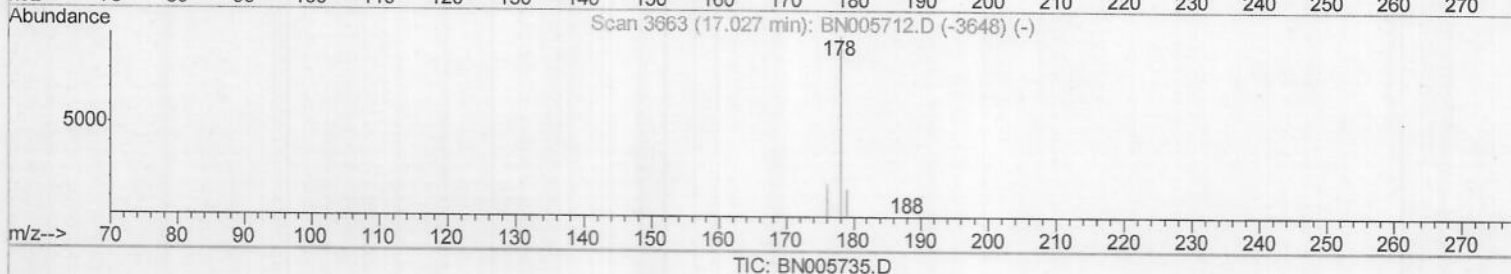
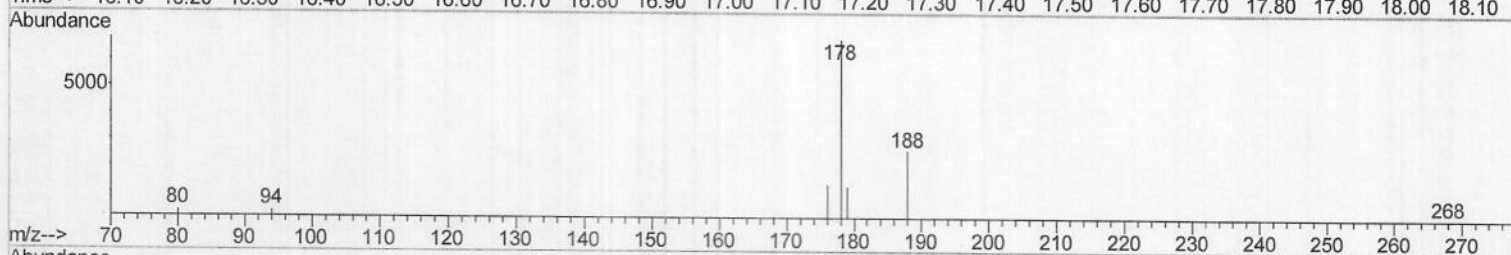
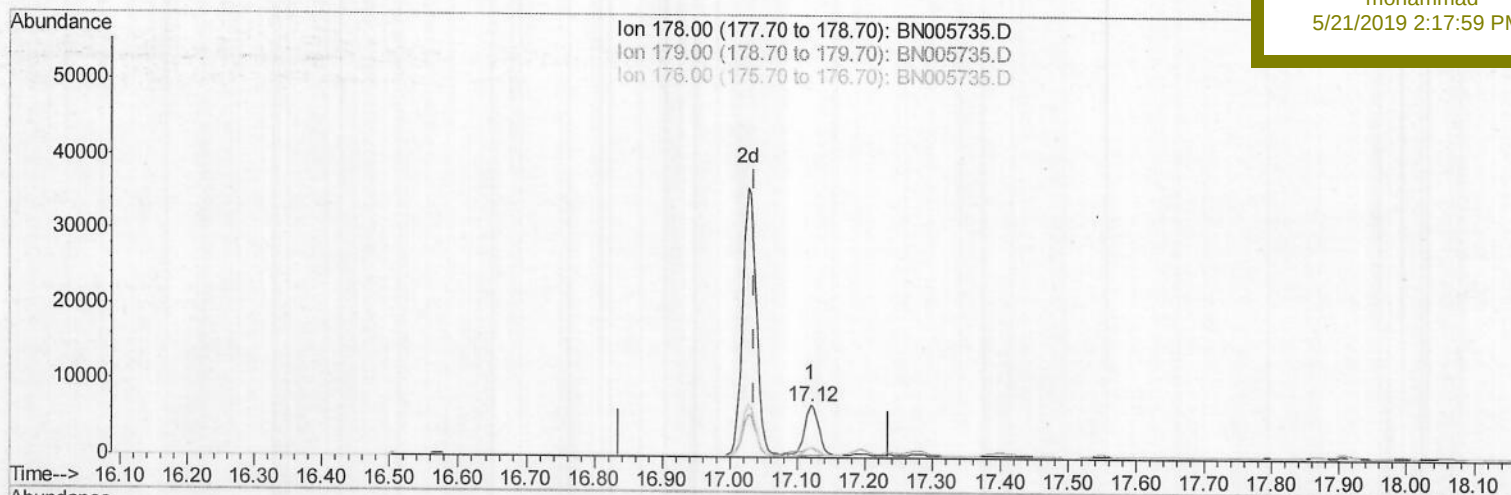
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



(12) Phenanthrene

17.120min (+0.084) 0.45ng/ul

response 9541

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	18.55
176.00	19.10	20.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

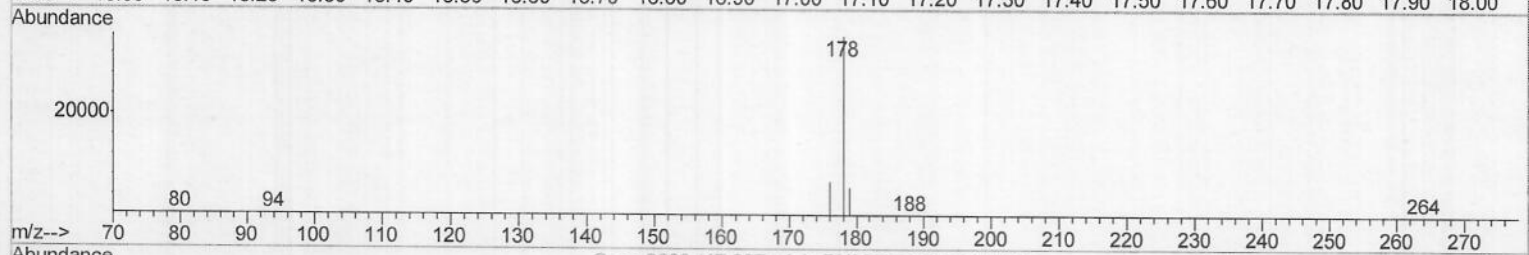
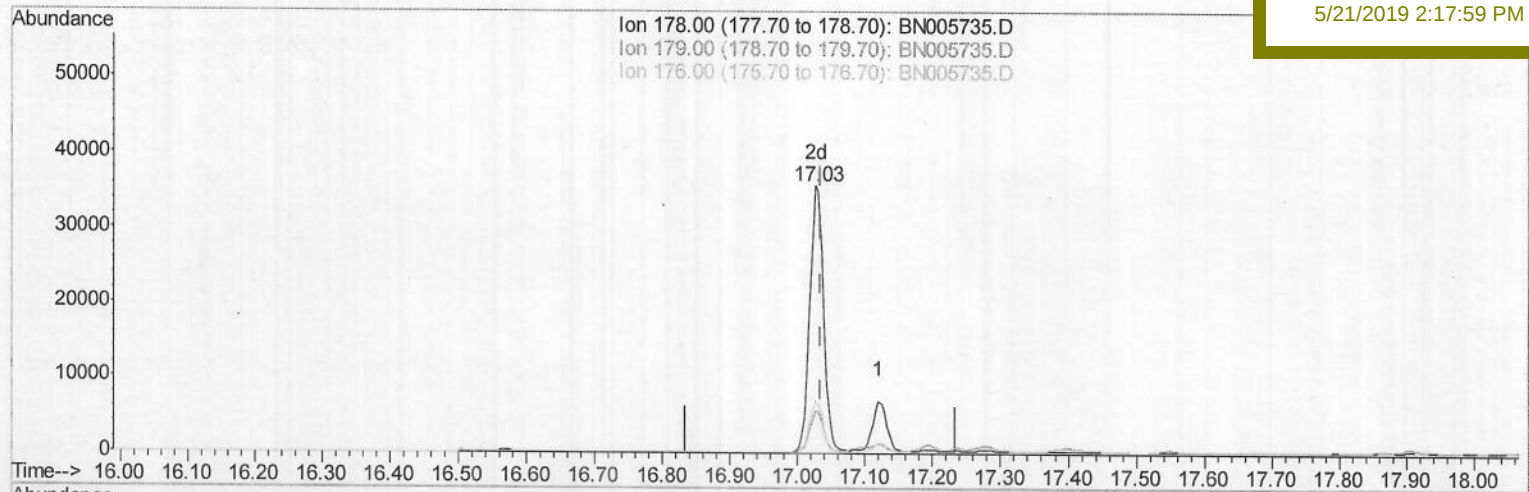
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

TIC: BN005735.D

(12) Phenanthrene

17.027min (-0.008) 2.37ng/ul m

JU05/31/19

response 50646

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.62
176.00	19.10	19.41
0.00	0.00	0.00

Quantitation Report (Qedit)

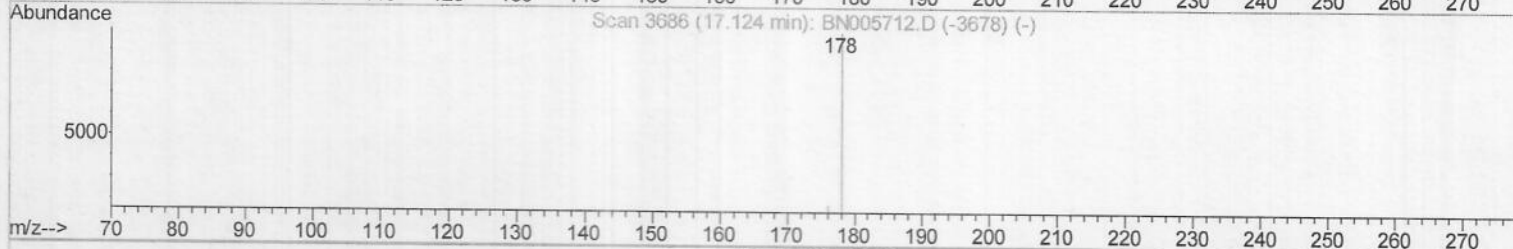
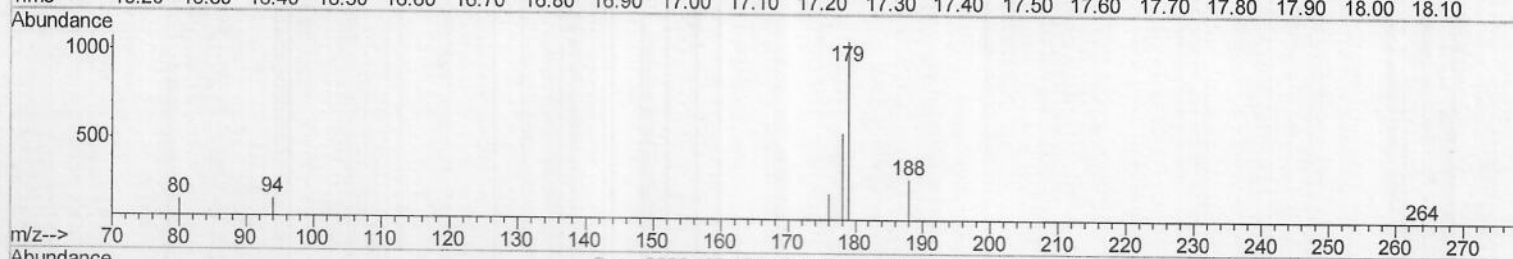
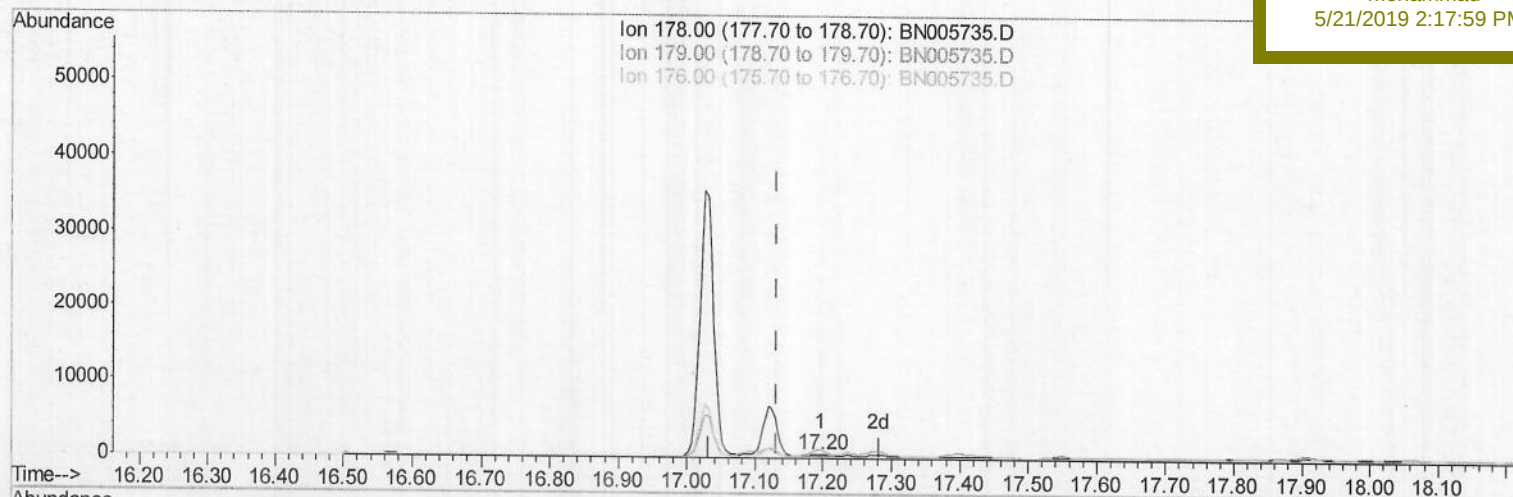
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
 Data File : BN005735.D
 Acq On : 17 May 2019 18:24
 Operator : JU/SJ
 Sample : K2788-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 14:33:18 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A5191

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:17:59 PM



TIC: BN005735.D

(13) Anthracene

17.196min (+0.063) 0.02ng/ul

response 448

Ion	Exp%	Act%
178.00	100	100
179.00	16.80	194.71#
176.00	18.90	37.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

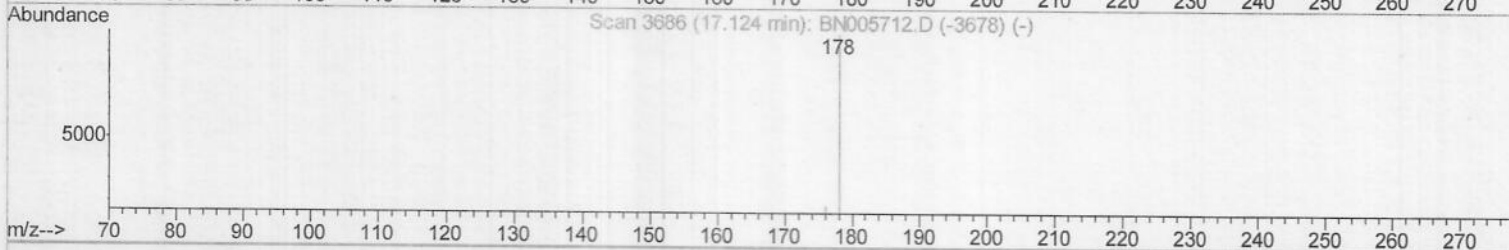
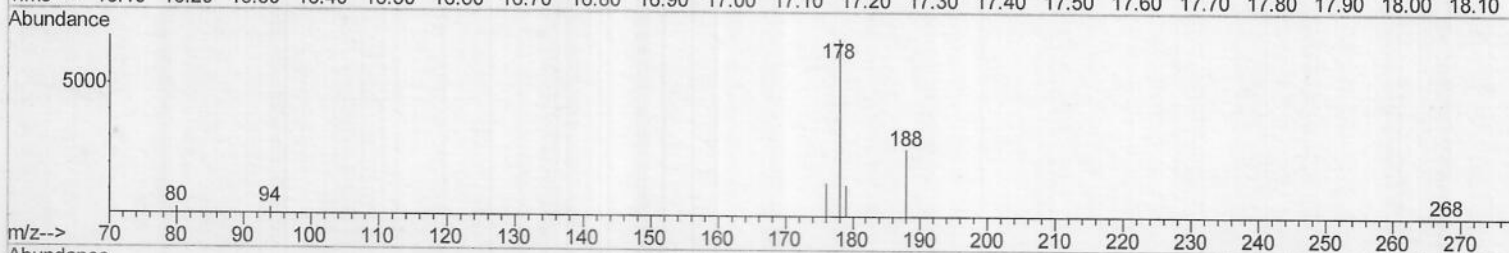
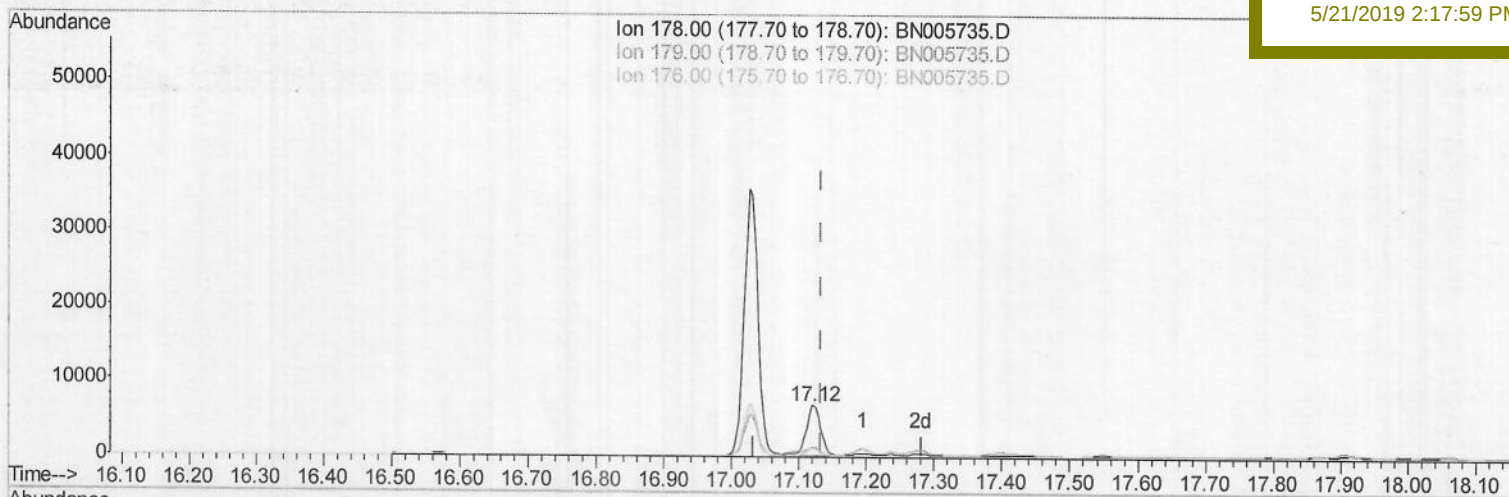
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

TIC: BN005735.D

(13) Anthracene

17.120min (-0.013) 0.47ng/ul m

JU05131119

response 9922

Ion	Exp%	Act%
178.00	100	100
179.00	16.80	18.55
176.00	18.90	20.02
0.00	0.00	0.00

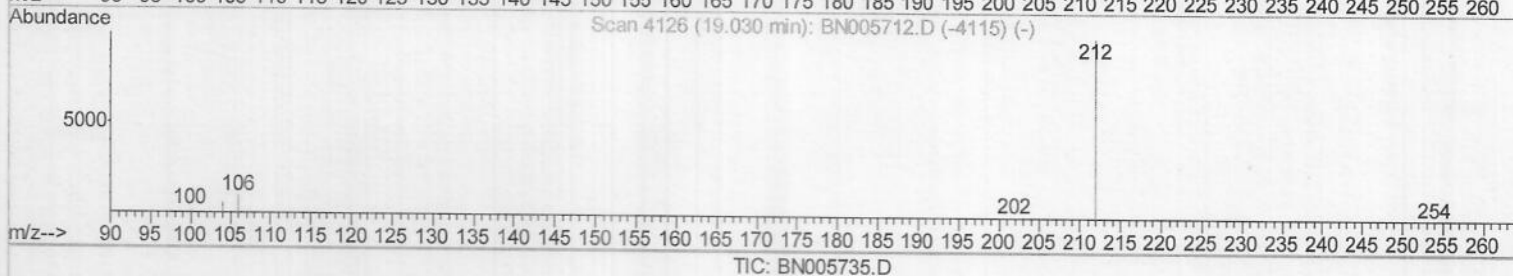
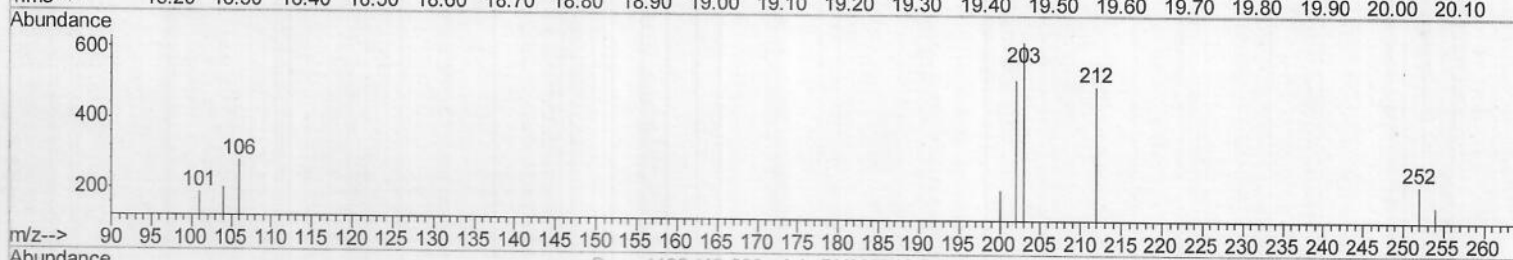
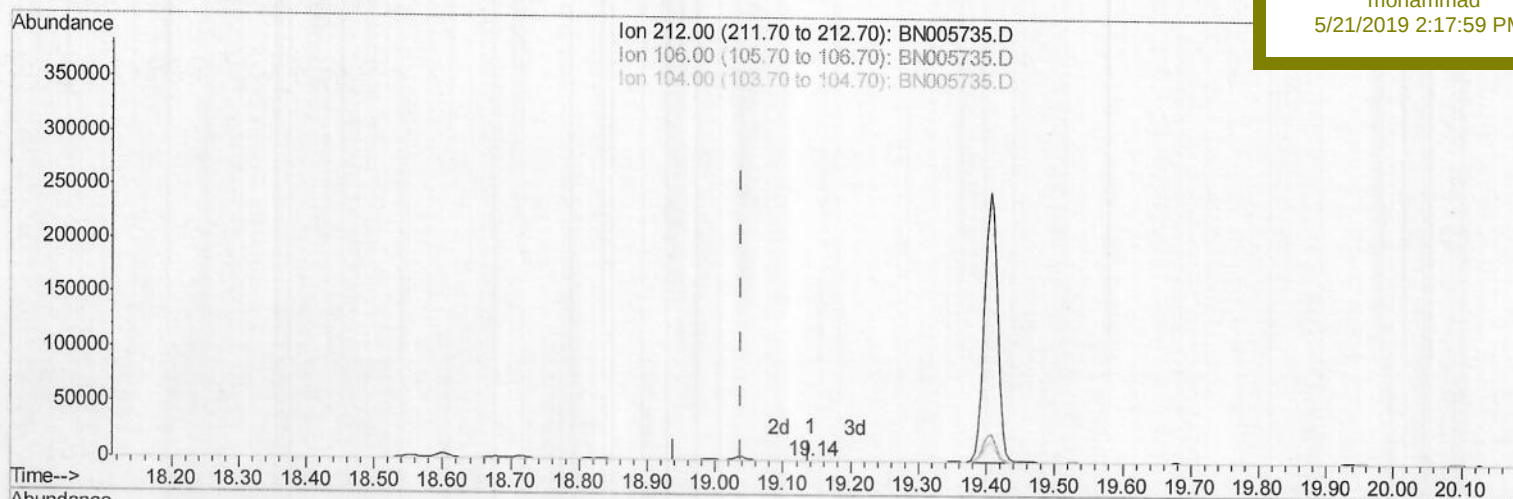
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



(14) Fluoranthene-d10 (SURR)

19.141min (+0.102) 0.03ng/ul

response 635

Ion	Exp%	Act%
212.00	100	100
106.00	10.80	0.00#
104.00	6.20	19.84#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

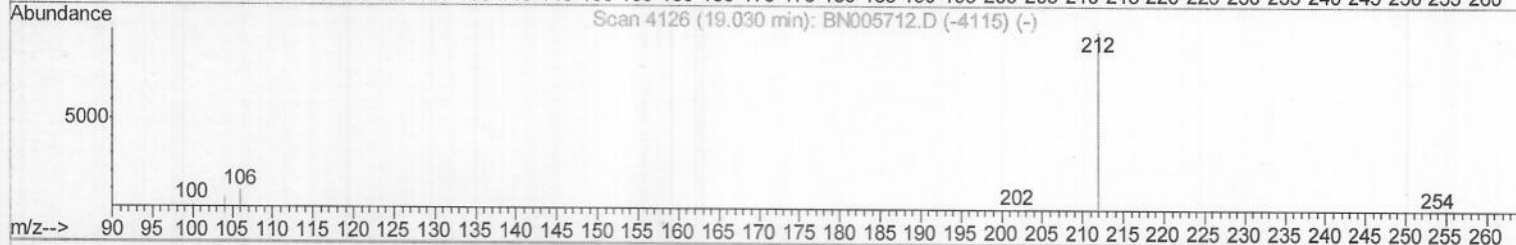
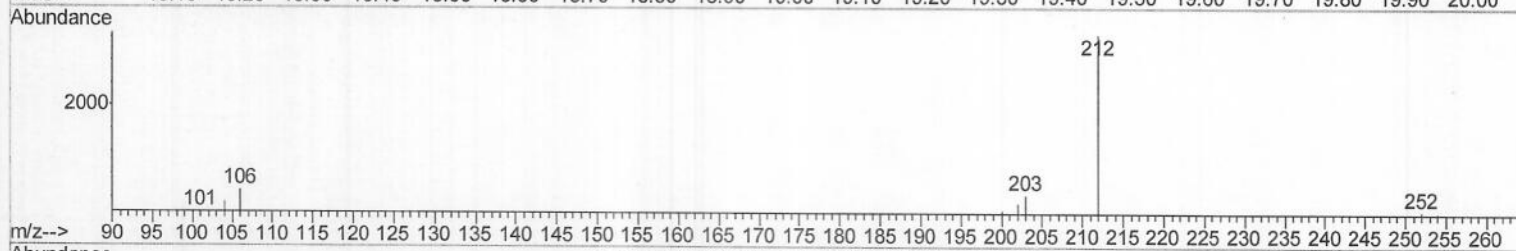
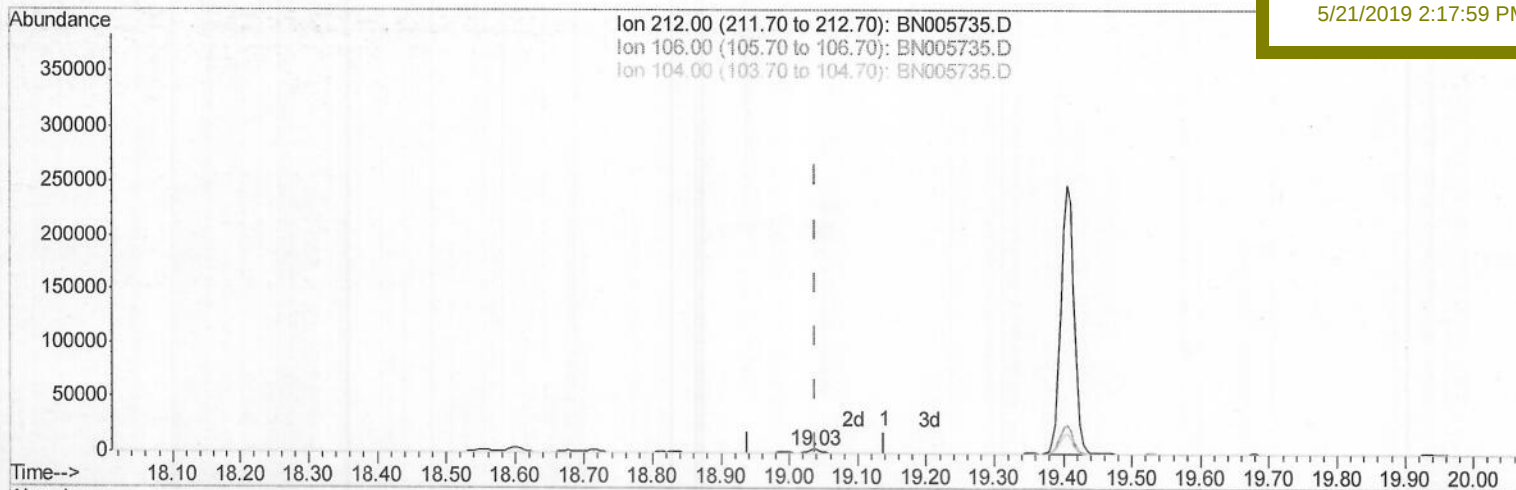
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

(14) Fluoranthene-d10 (SURR)

19.034min (-0.005) 0.17ng/ul m

JU05131119

response 4219

Ion	Exp%	Act%
212.00	100	100
106.00	10.80	0.00#
104.00	6.20	2.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

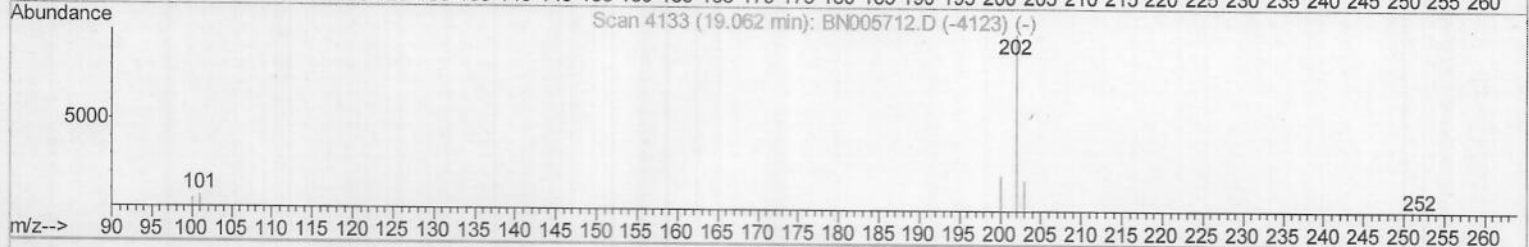
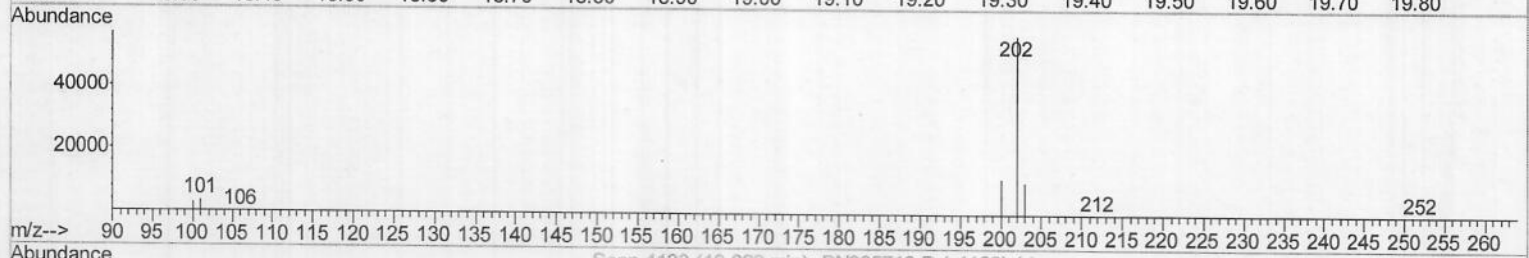
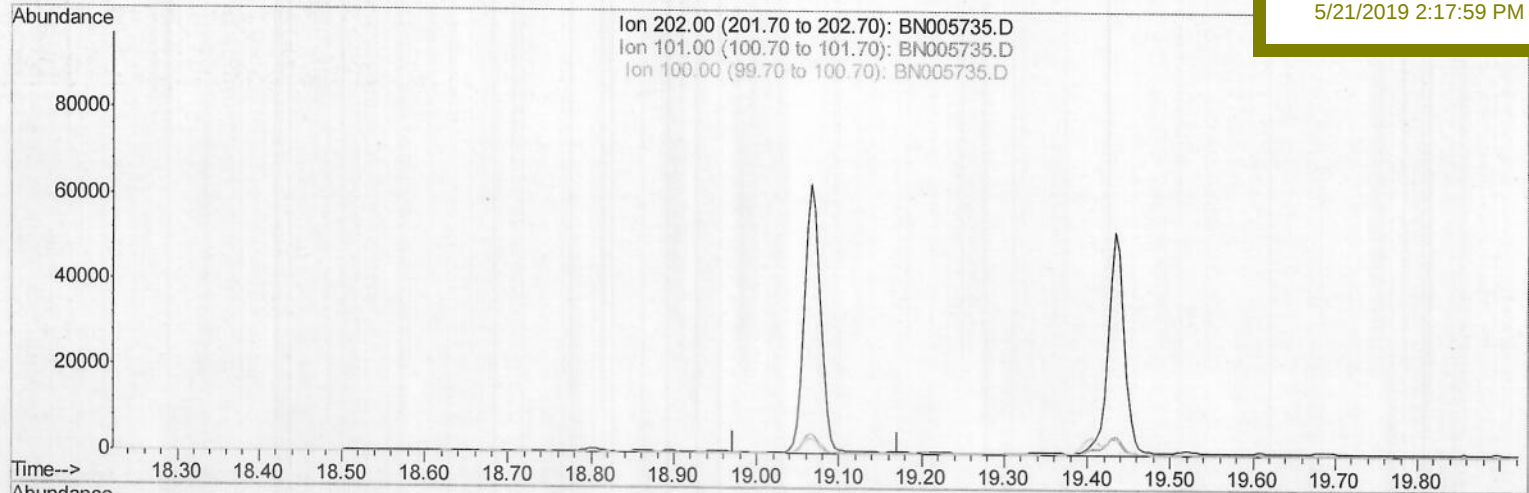
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



TIC: BN005735.D

(15) Fluoranthene (C)

19.072min (-19.072) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	9.40	0.00
100.00	7.10	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

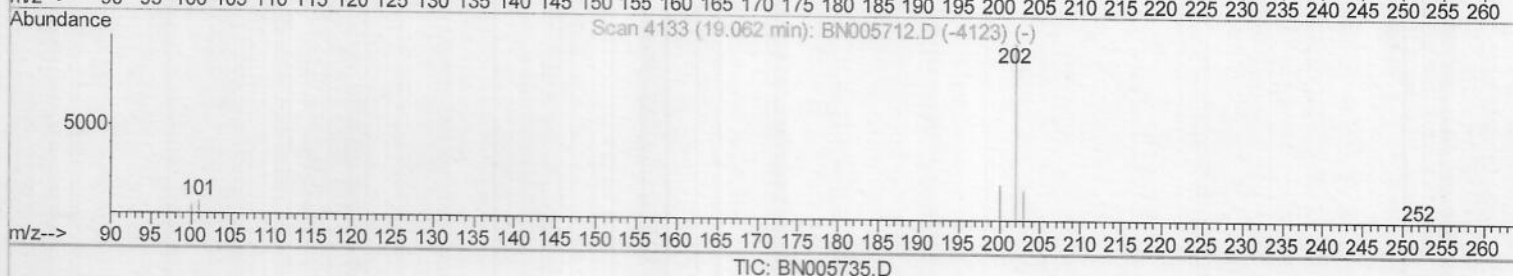
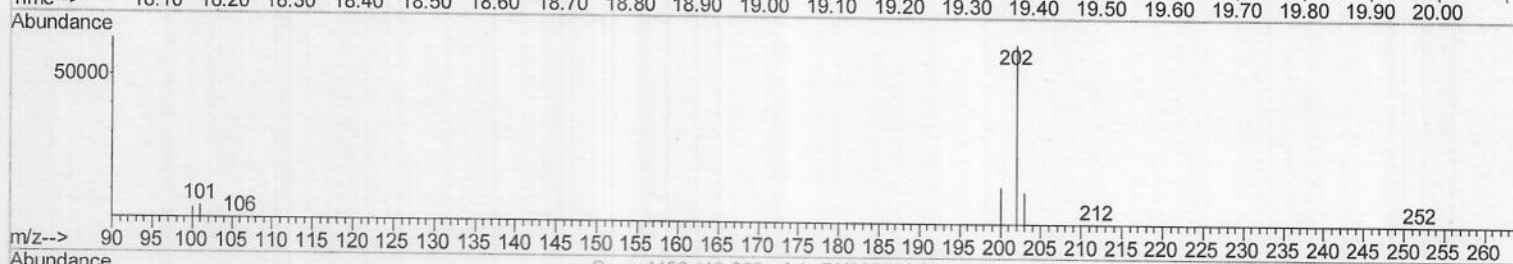
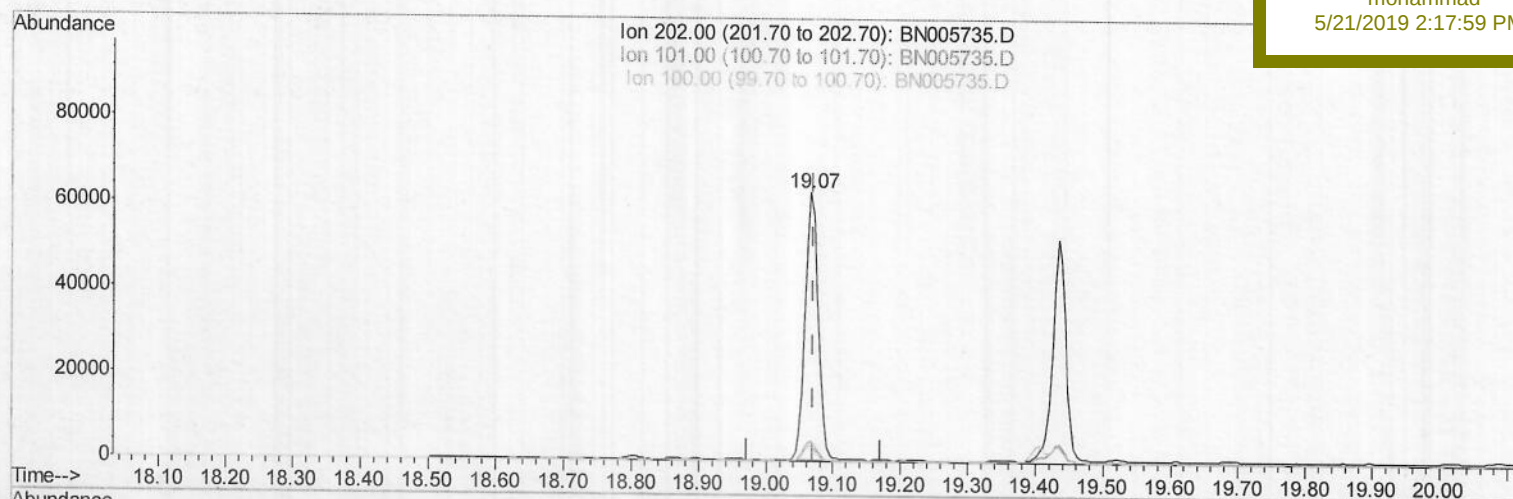
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



(15) Fluoranthene (C)

19.067min (-0.005) 2.91ng/ul m

JU 05/31/19

response 86066

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	7.23
100.00	7.10	5.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

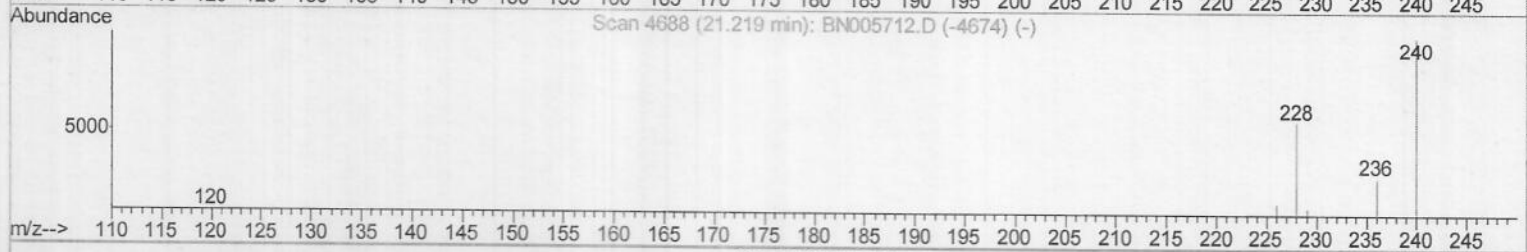
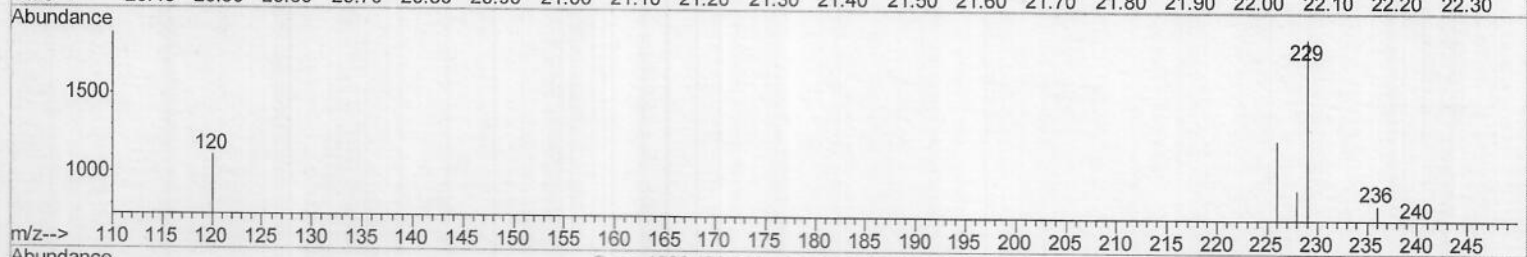
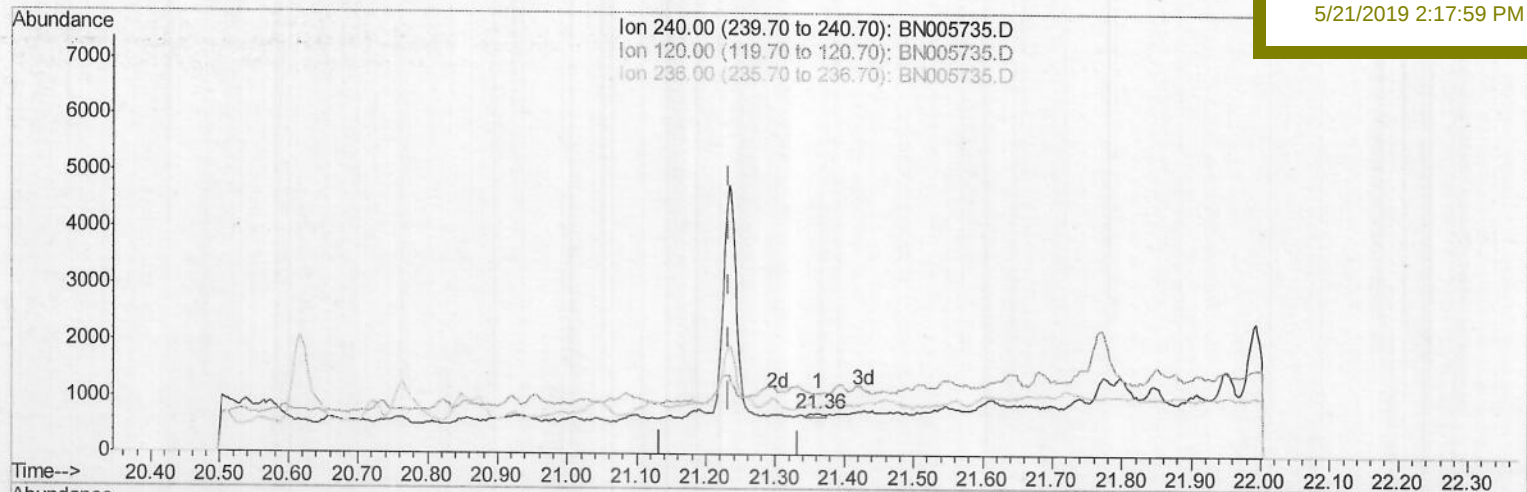
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



TIC: BN005735.D

(16) Chrysene-d12 (I)

21.362min (+0.129) 0.40ng/ul

response 77

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	150.75#
236.00	28.00	112.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

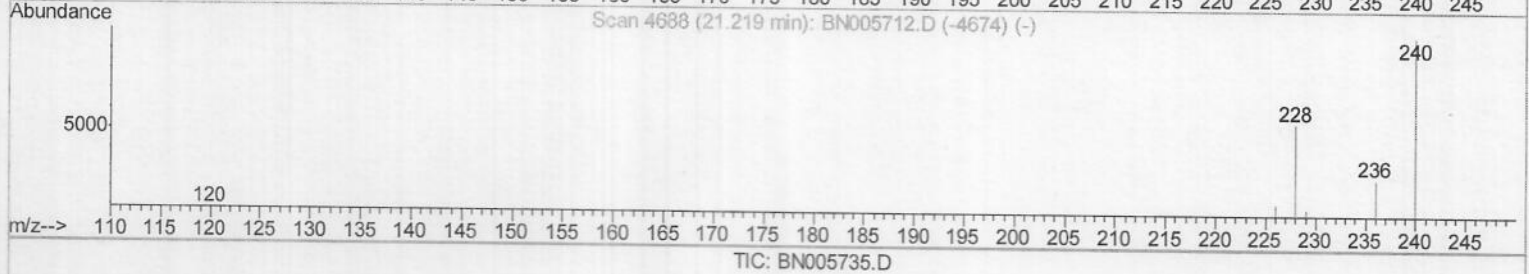
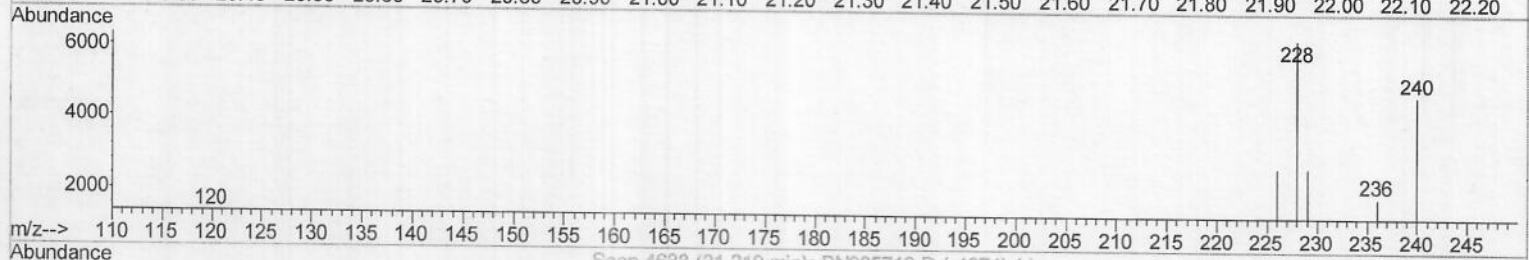
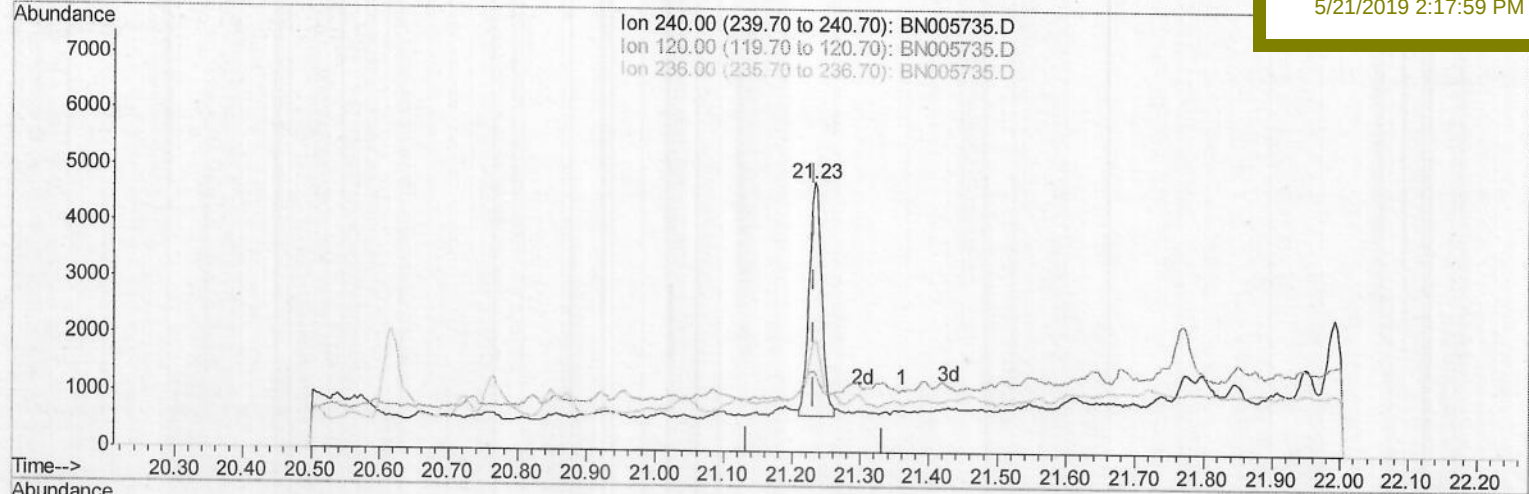
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
 Data File : BN005735.D
 Acq On : 17 May 2019 18:24
 Operator : JU/SJ
 Sample : K2788-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:04:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 14:33:18 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 A5191

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:17:59 PM



(16) Chrysene-d12 (I)

21.233min (+0.000) 0.40ng/ul m) JU05131119

response 5283

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	29.39#
236.00	28.00	40.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

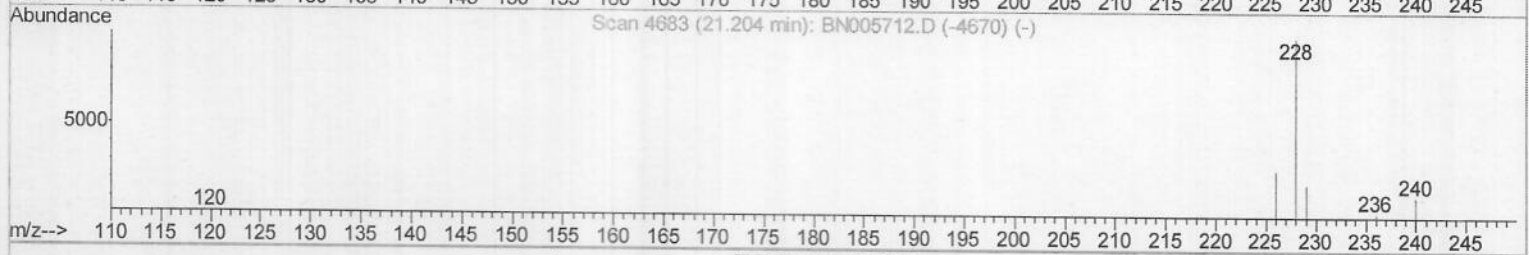
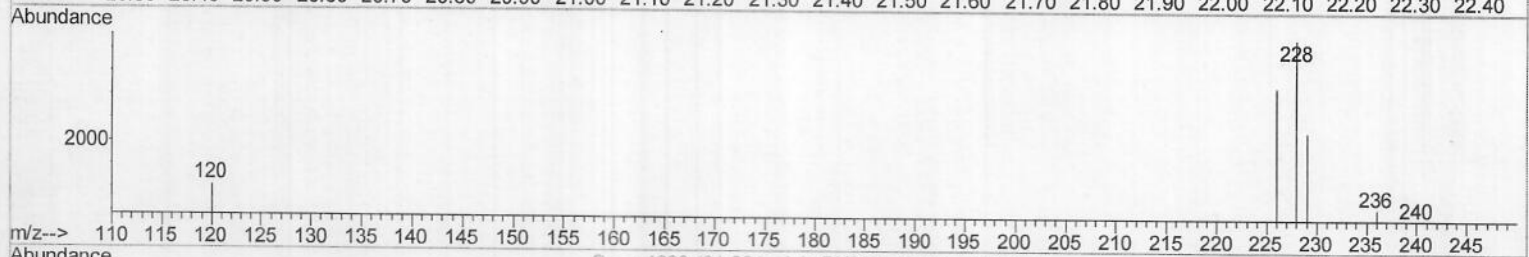
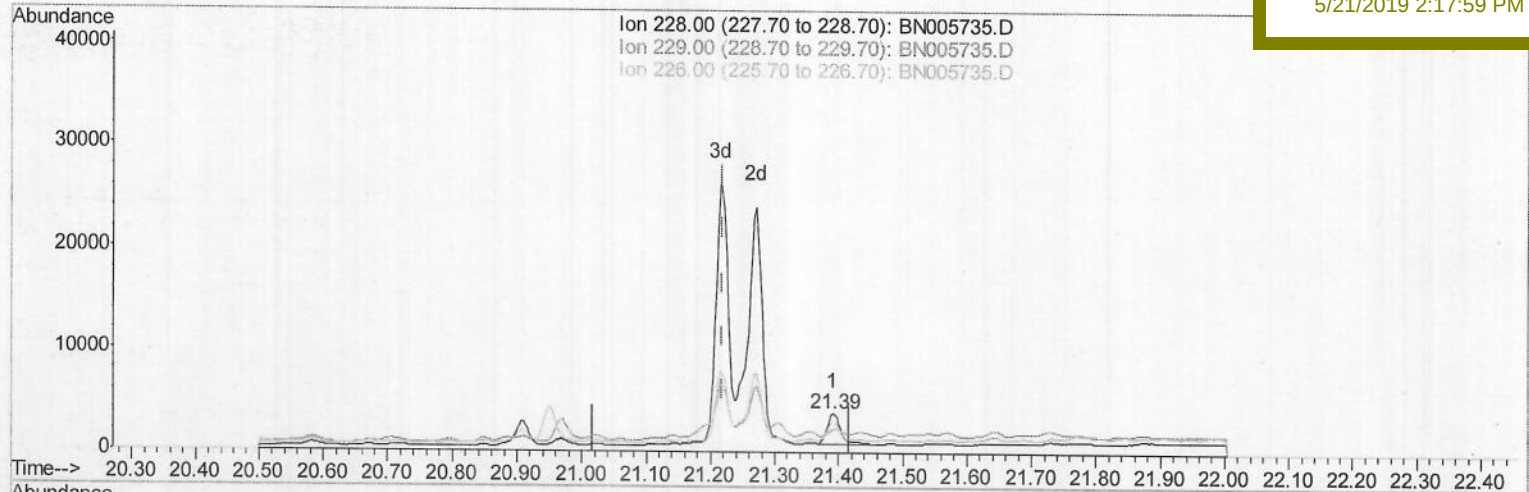
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
 Data File : BN005735.D
 Acq On : 17 May 2019 18:24
 Operator : JU/SJ
 Sample : K2788-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:07:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 14:33:18 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A5191

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:17:59 PM



TIC: BN005735.D

(18) Benzo(a)anthracene
 21.391min (+0.172) 0.24ng/ul
 response 4420

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	58.58#
226.00	27.10	78.55#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:07:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

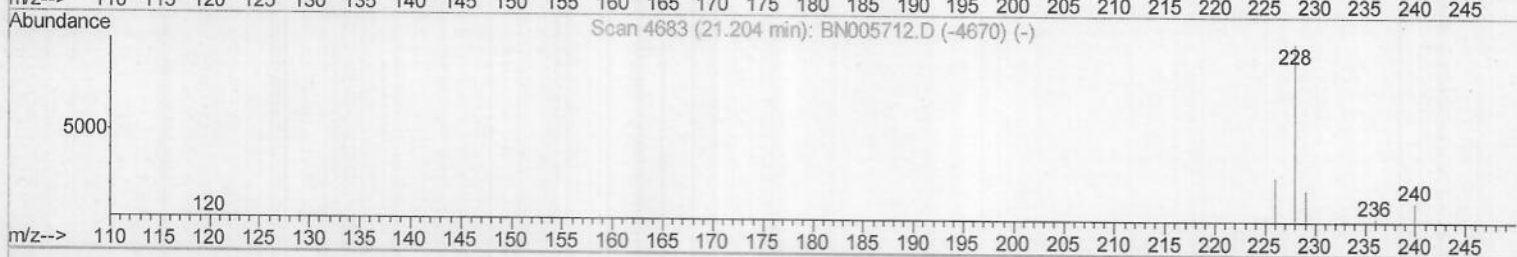
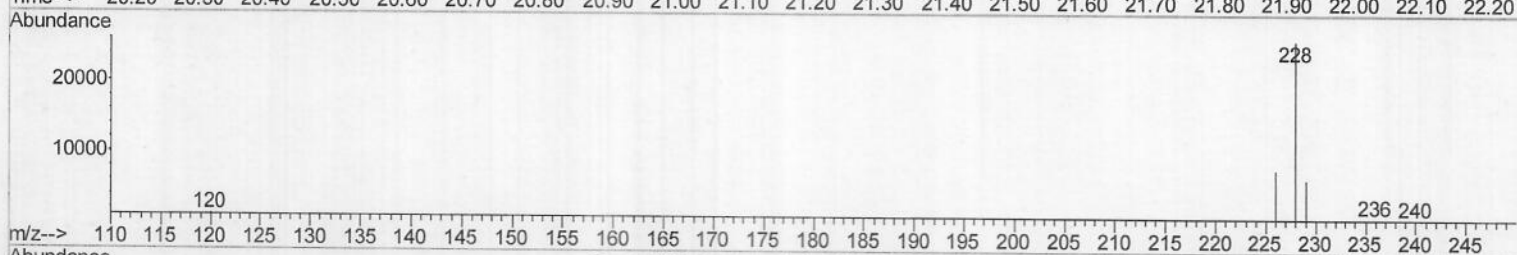
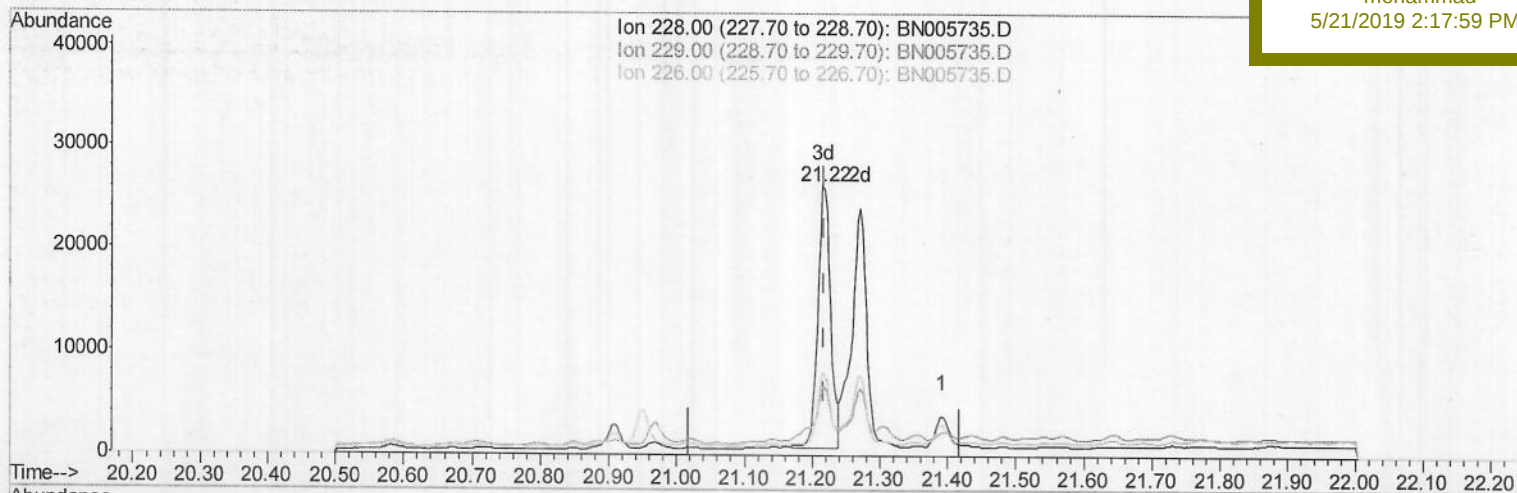
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

TIC: BN005735.D

(18) Benzo(a)anthracene

21.216min (-0.003) 1.84ng/ul m

) JU 05/21/19

response 33494

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	25.29#
226.00	27.10	30.41
0.00	0.00	0.00

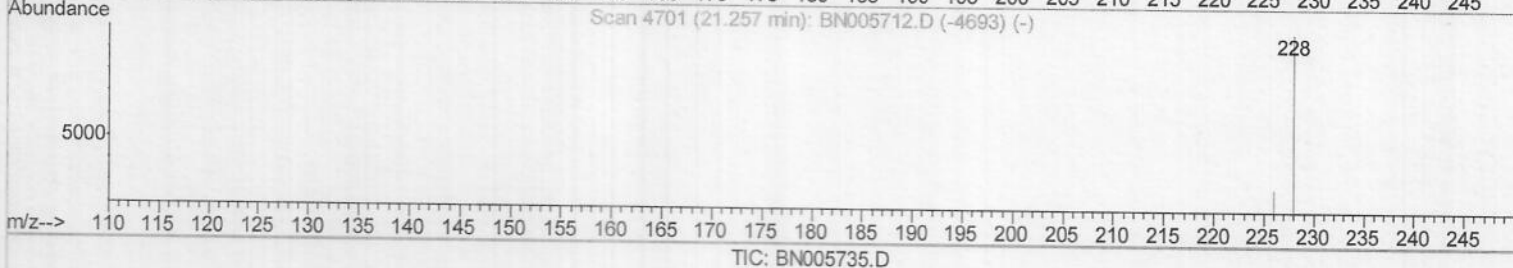
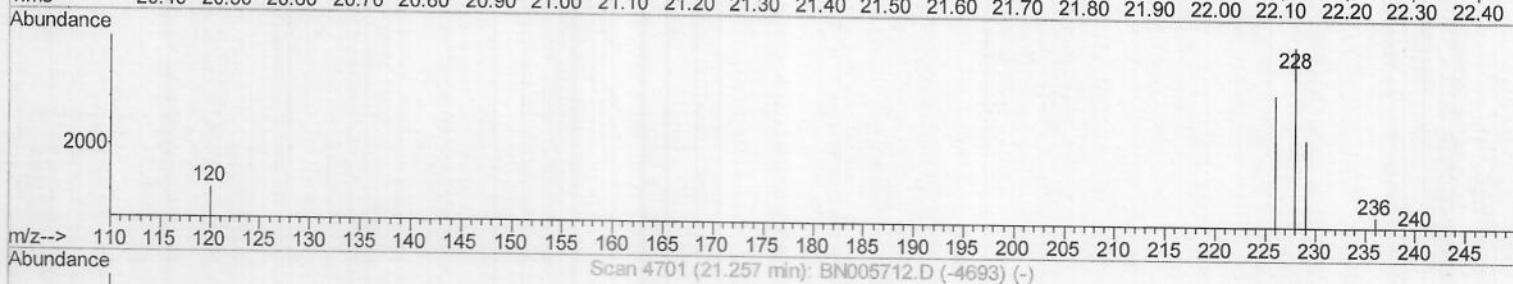
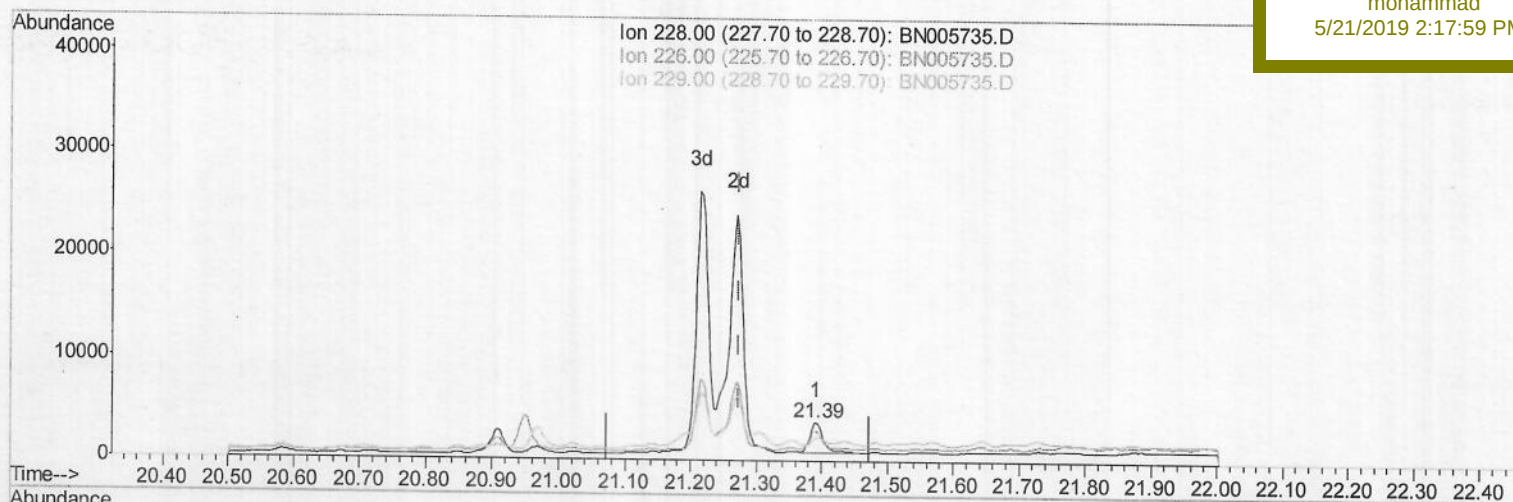
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:07:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



(19) Chrysene

21.391min (+0.117) 0.20ng/ul

response 4420

Ion	Exp%	Act%
228.00	100	100
226.00	29.00	78.55#
229.00	20.00	58.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:07:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

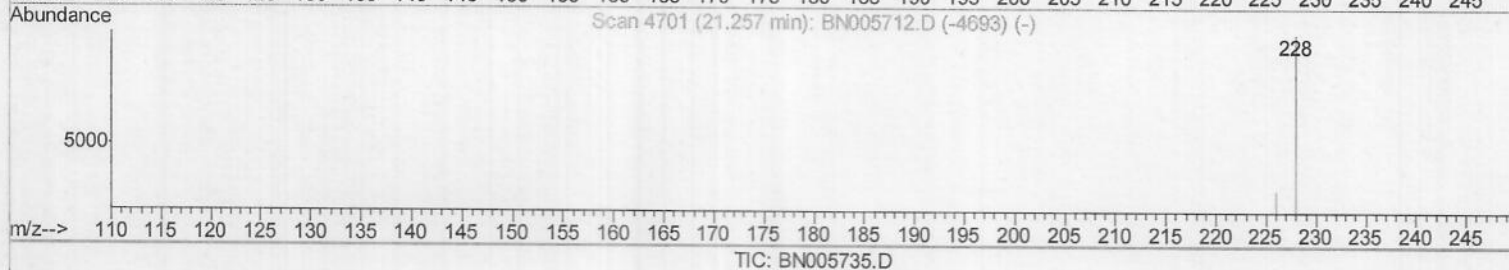
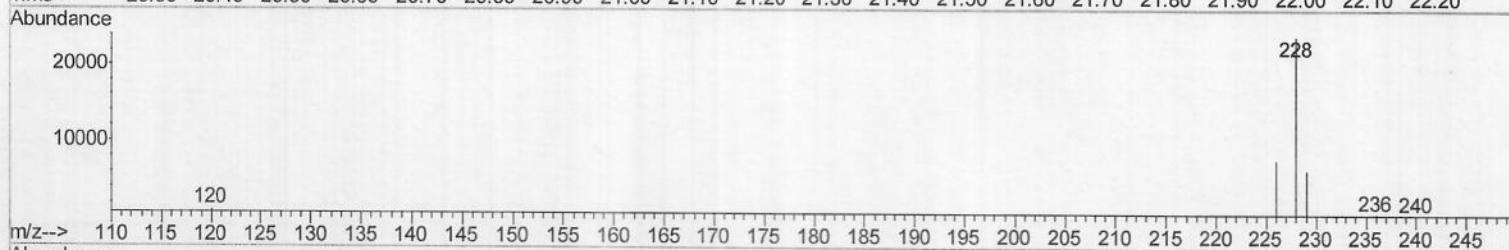
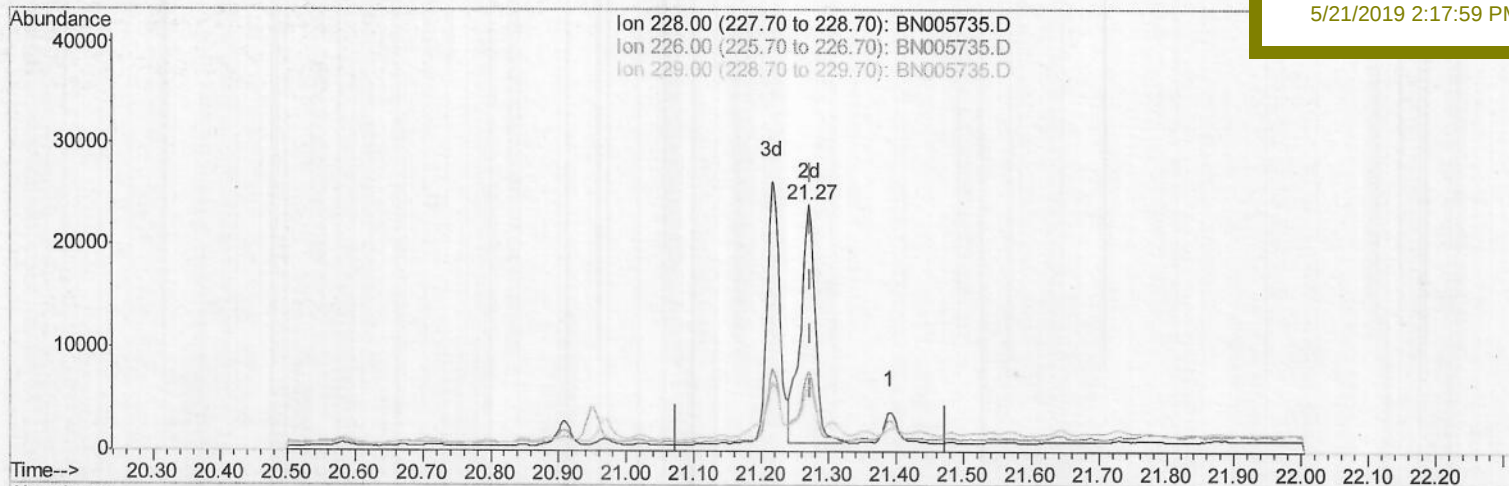
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



(19) Chrysene

21.271min (-0.003) 1.59ng/ul m

response 35498

Ion	Exp%	Act%
228.00	100	100
226.00	29.00	32.44
229.00	20.00	26.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:07:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

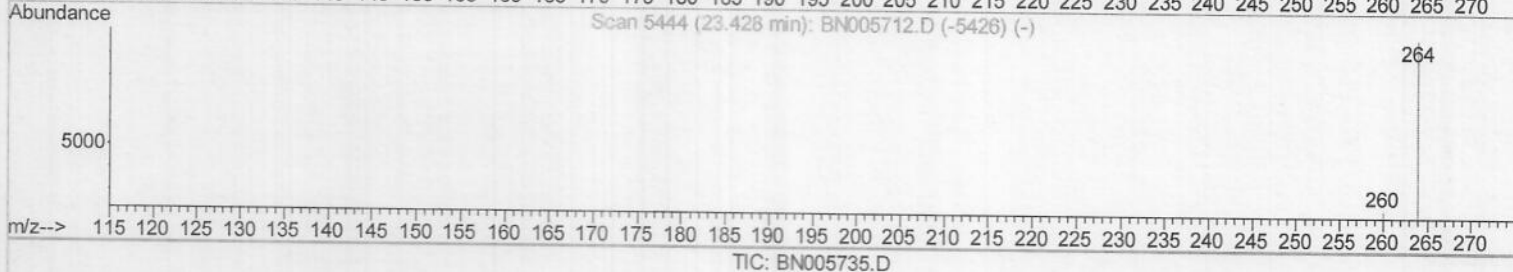
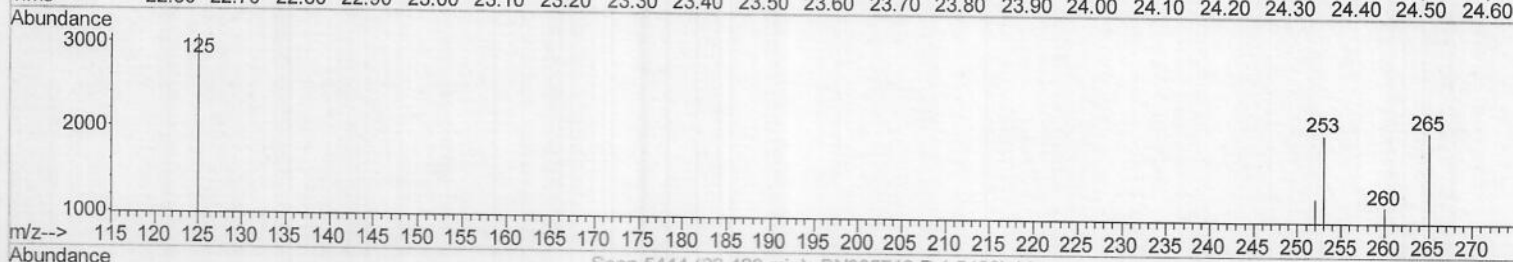
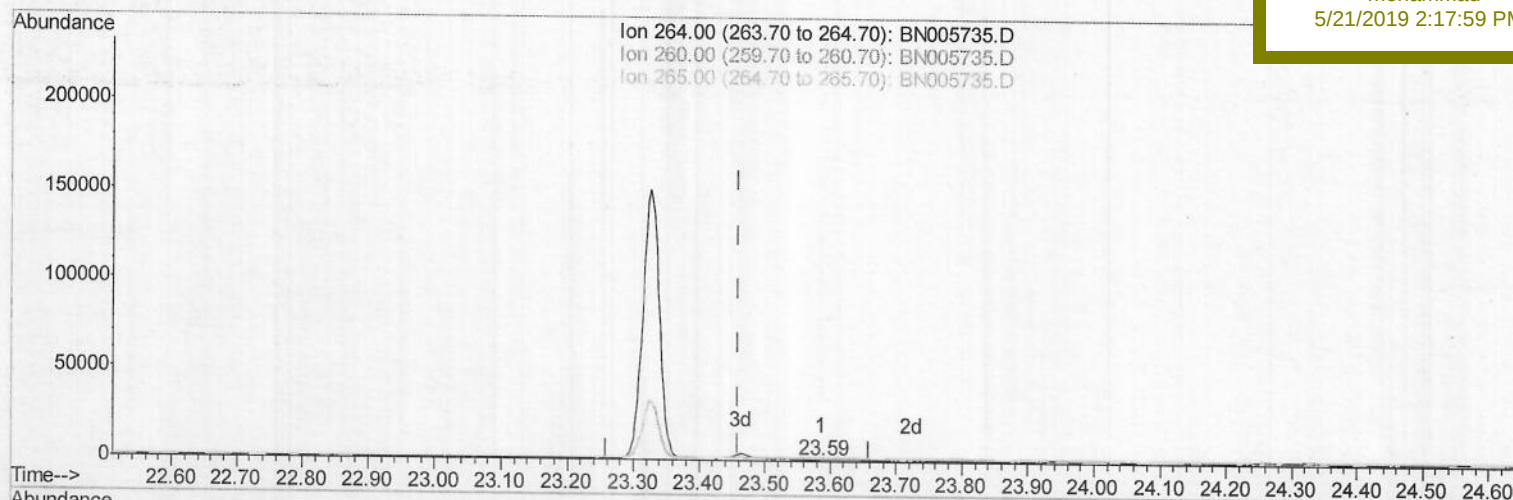
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

(20) Perylene-d12 (I)

23.586min (+0.126) 0.40ng/ul

response 271

Ion	Exp%	Act%
264.00	100	100
260.00	25.30	118.66#
265.00	31.70	206.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:07:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

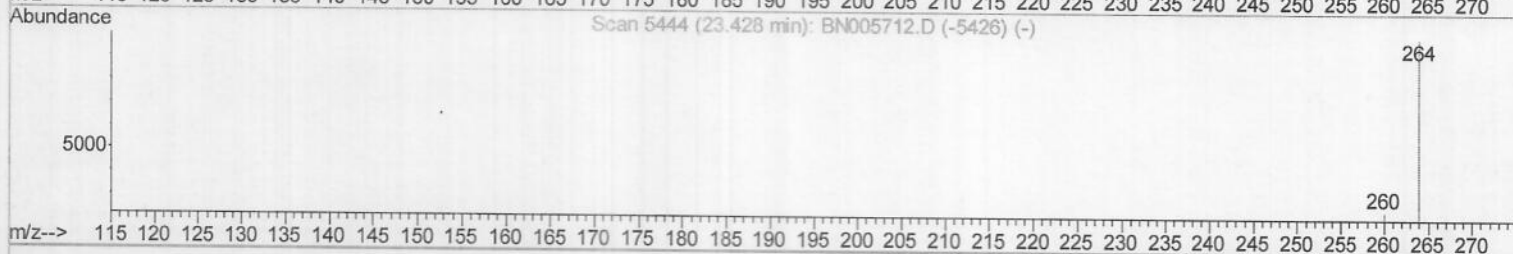
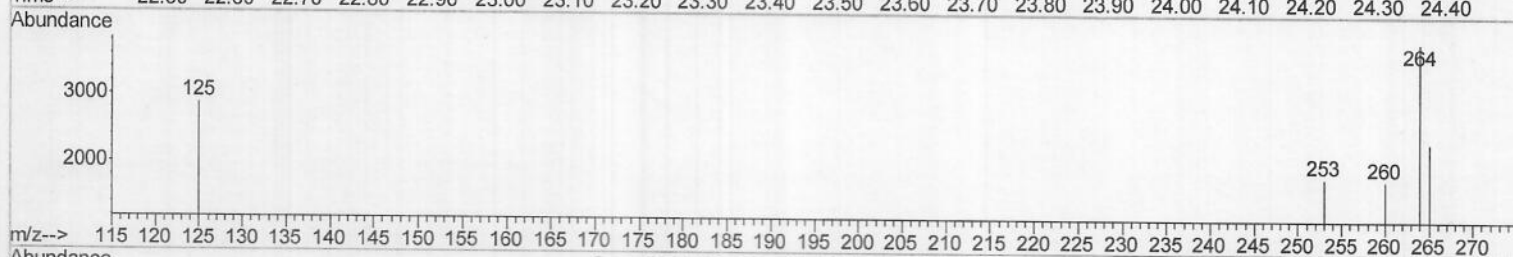
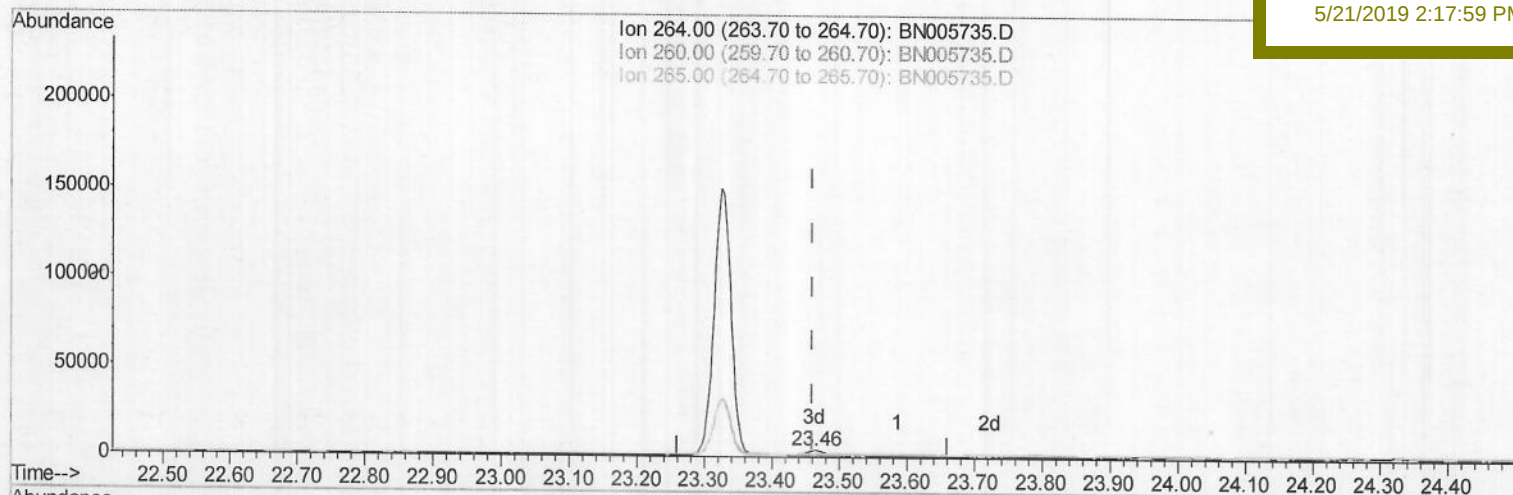
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



(20) Perylene-d12 (I)

23.463min (+0.003) 0.40ng/ul m

25005/31/19

response 5284

Ion	Exp%	Act%
264.00	100	100
260.00	25.30	46.50#
265.00	31.70	61.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

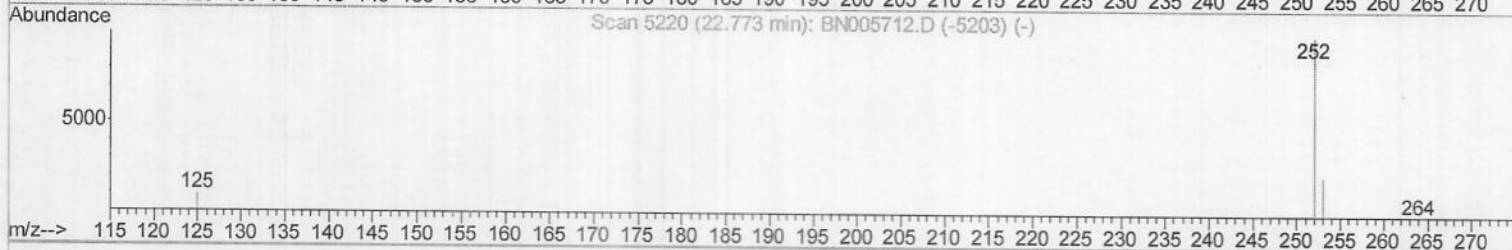
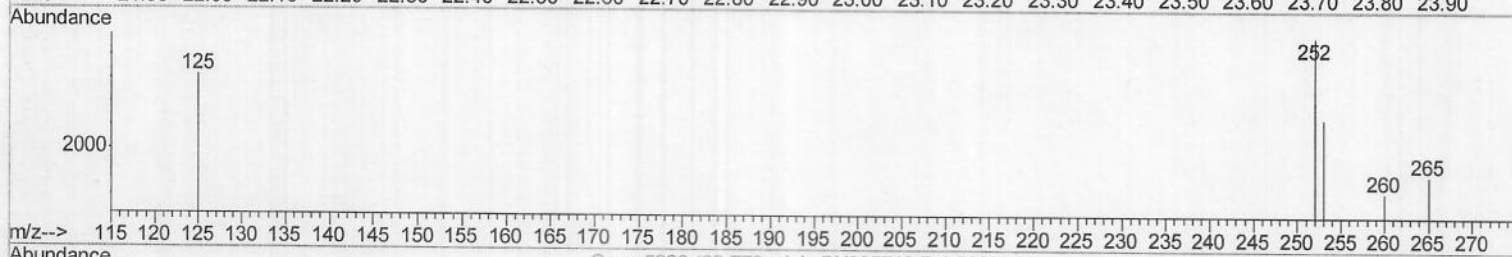
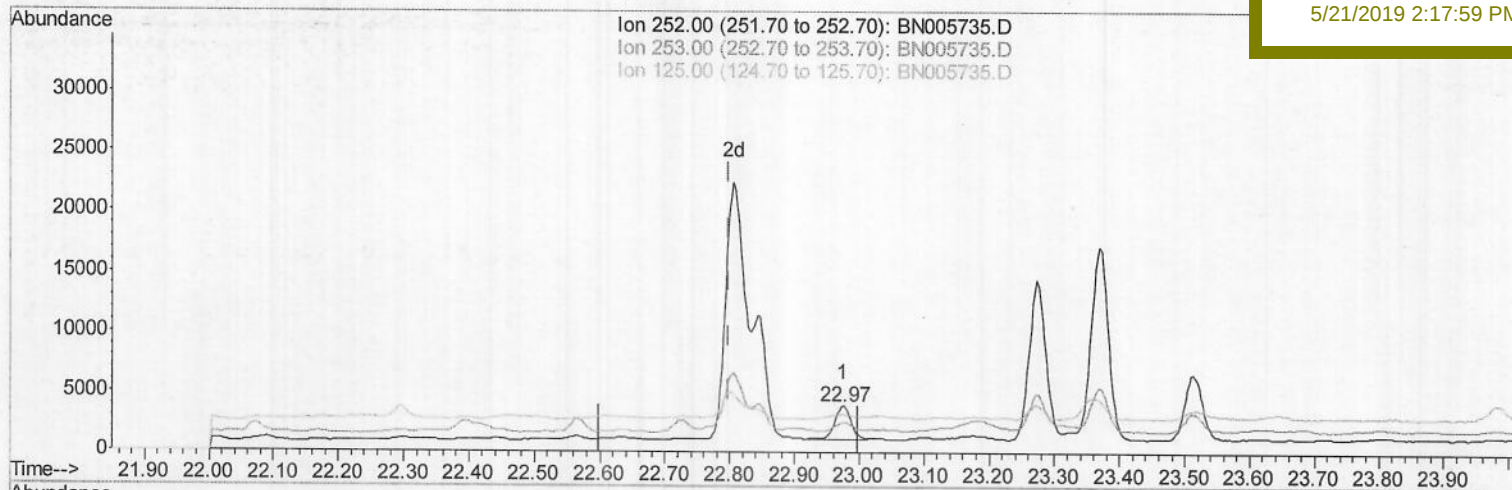
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



TIC: BN005735.D

(21) Benzo(b)fluoranthene

22.975min (+0.175) 0.30ng/ul

response 4770

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	64.51#
125.00	10.40	82.13#
0.00	0.00	0.00

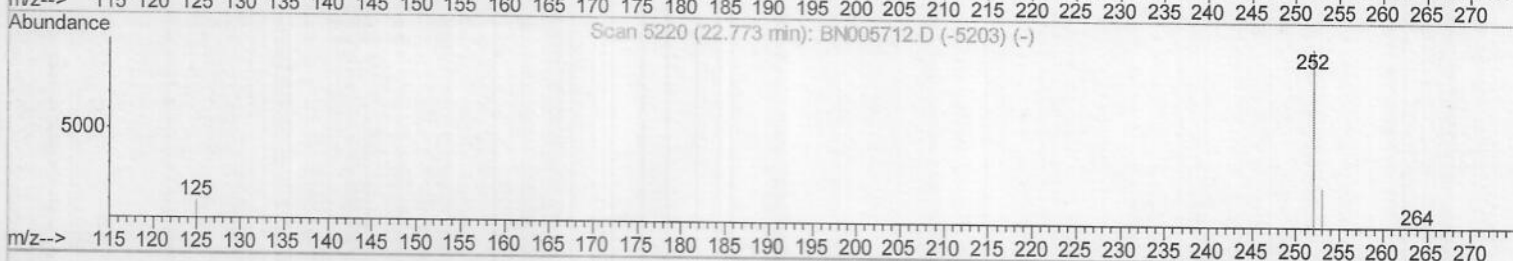
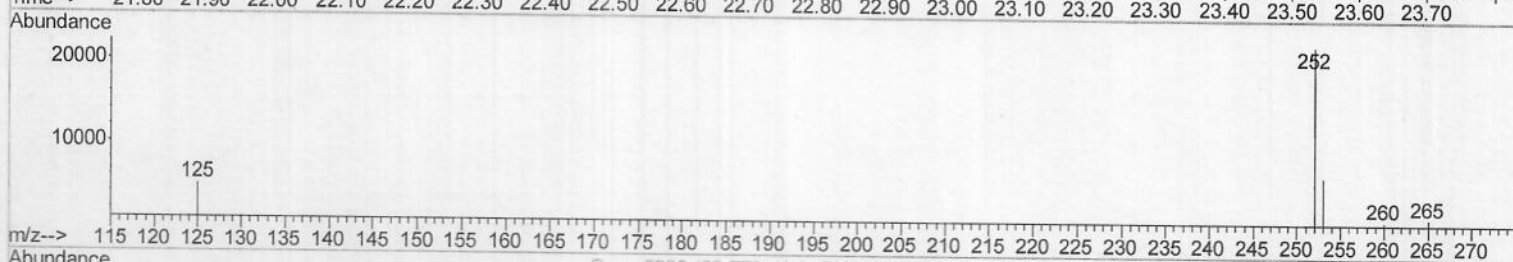
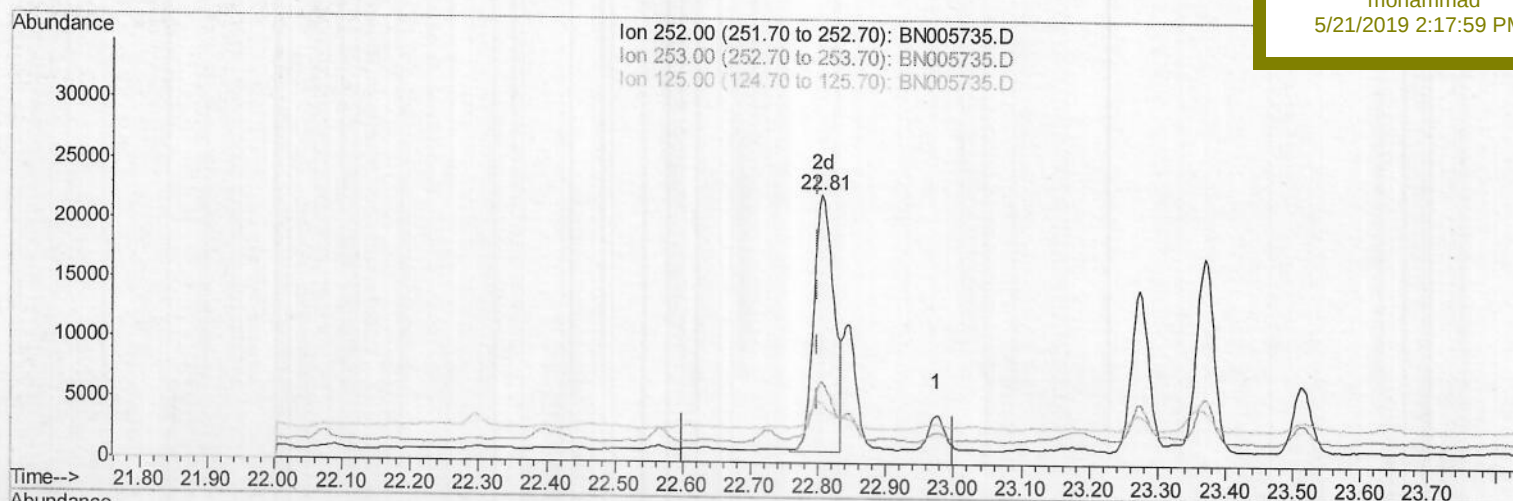
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
 Data File : BN005735.D
 Acq On : 17 May 2019 18:24
 Operator : JU/SJ
 Sample : K2788-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5191

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:17:59 PM

Quant Time: May 17 19:09:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 14:33:18 2019
 Response via : Initial Calibration



TIC: BN005735.D

(21) Benzo(b)fluoranthene

22.805min (+0.006) 2.71ng/ul m

response 43132

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	29.36
125.00	10.40	21.90#
0.00	0.00	0.00

JU051719

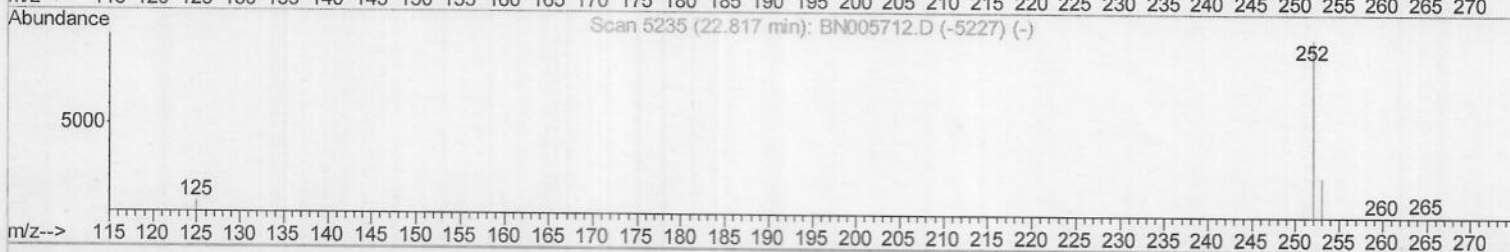
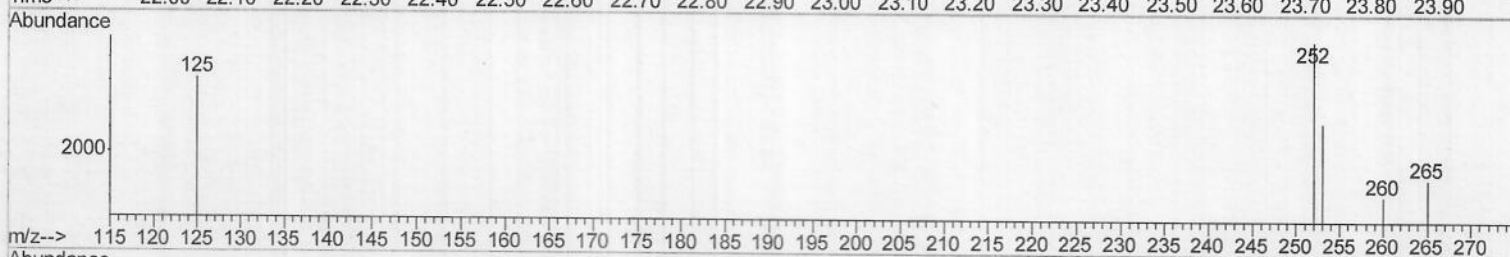
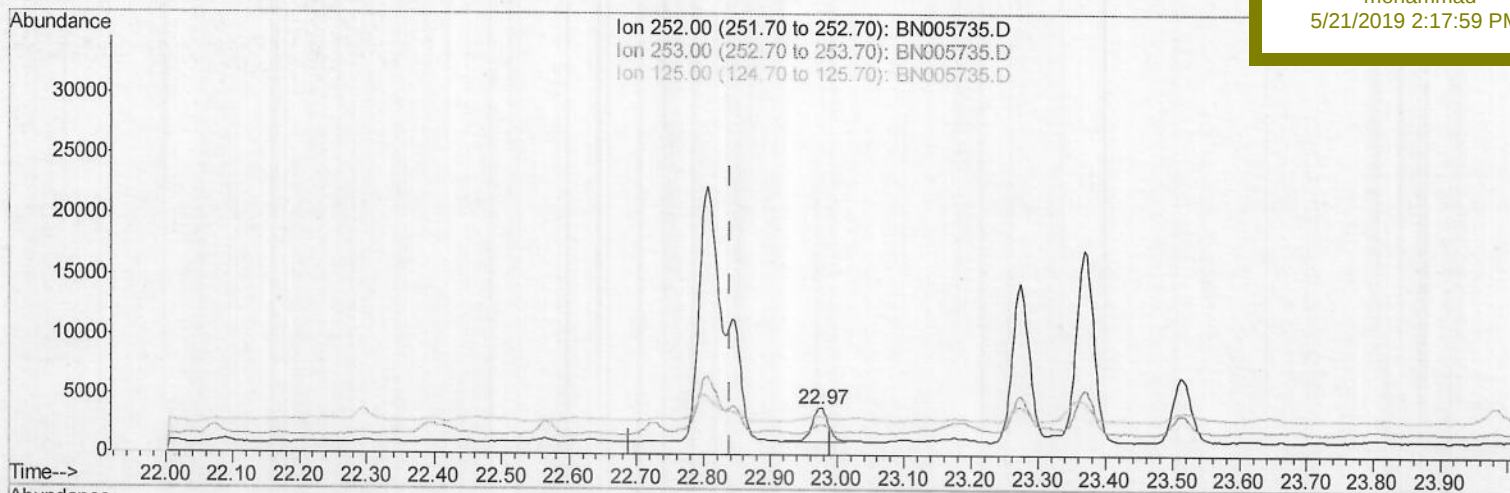
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



TIC: BN005735.D

(22) Benzo(k)fluoranthene

22.975min (+0.135) 0.24ng/ul

response 4770

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	64.51#
125.00	9.50	82.13#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

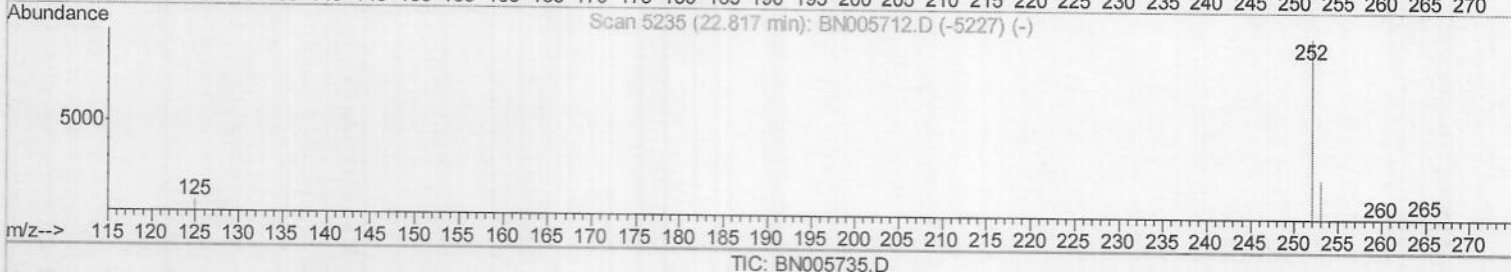
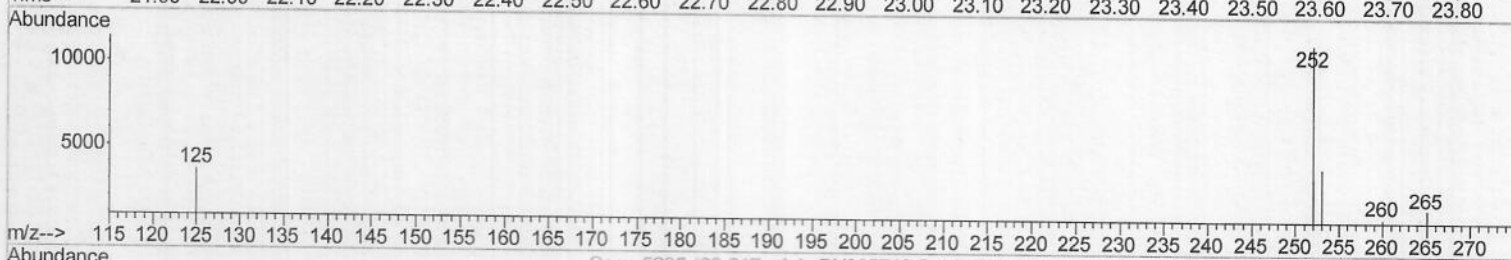
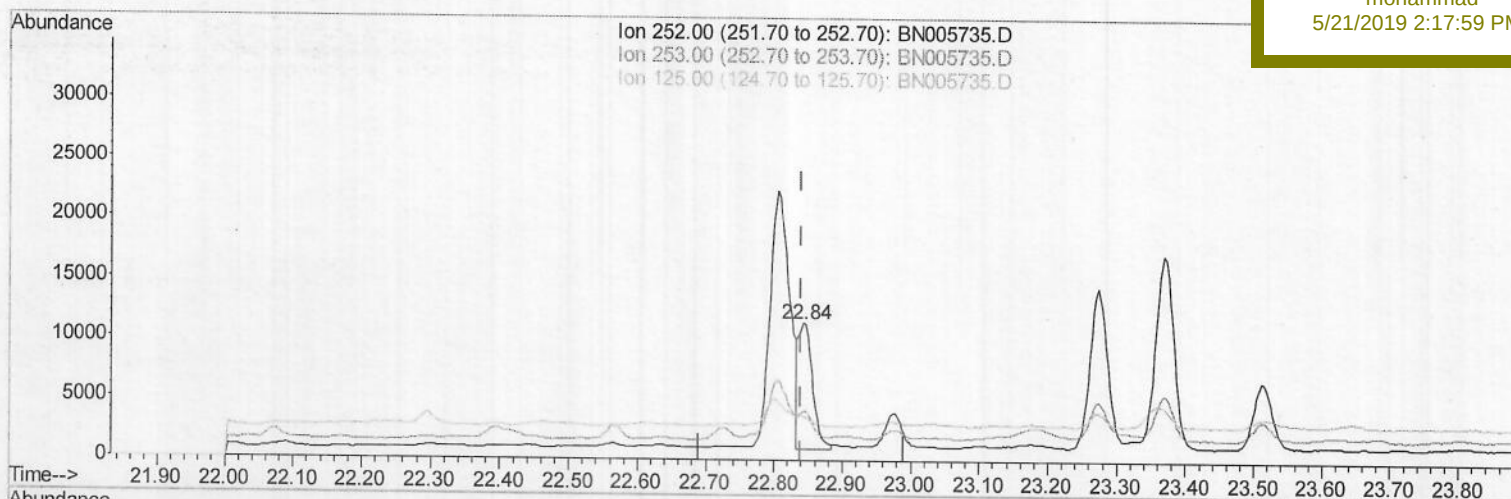
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

(22) Benzo(k)fluoranthene

22.843min (+0.003) 0.79ng/ul m

JU0513119

response 15705

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	36.16#
125.00	9.50	31.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

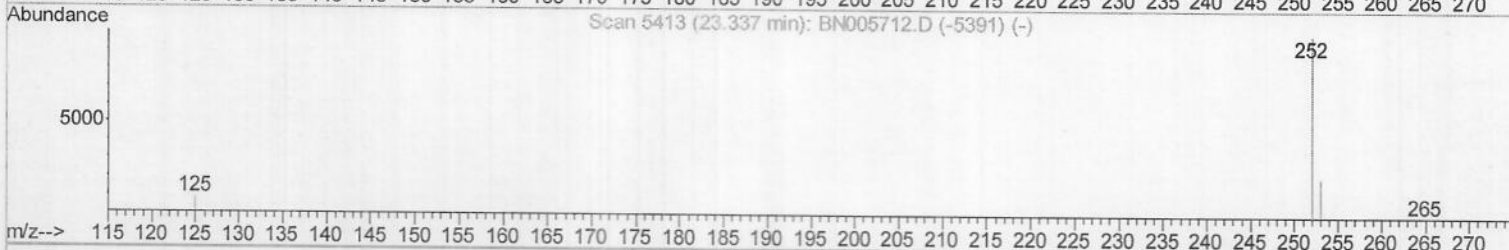
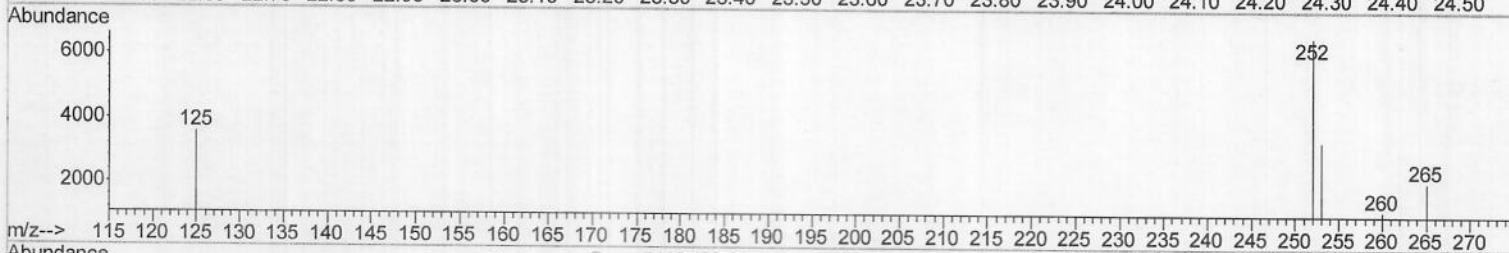
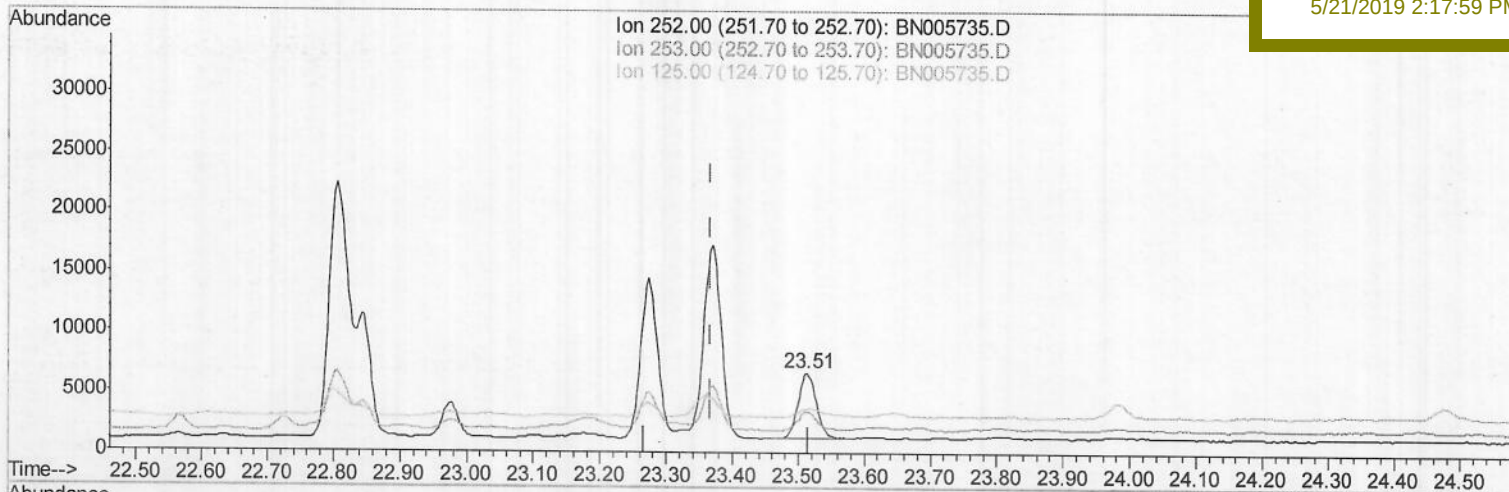
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



TIC: BN005735.D

(23) Benzo(a)pyrene (C)

23.513min (+0.146) 0.59ng/ul

response 10498

Ion	Exp%	Act%
252.00	100	100
253.00	24.50	51.16#
125.00	12.60	53.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

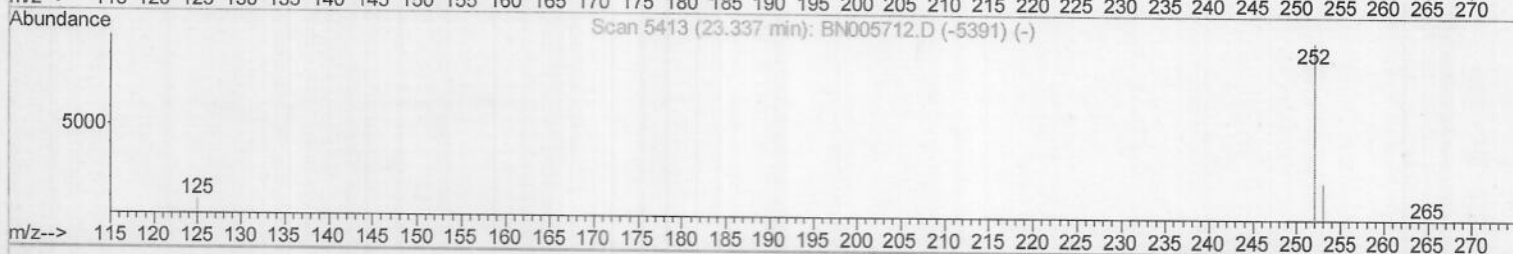
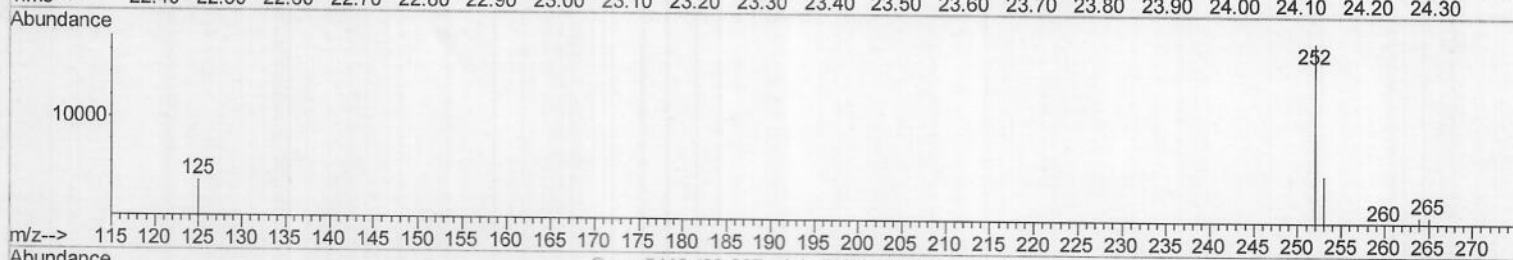
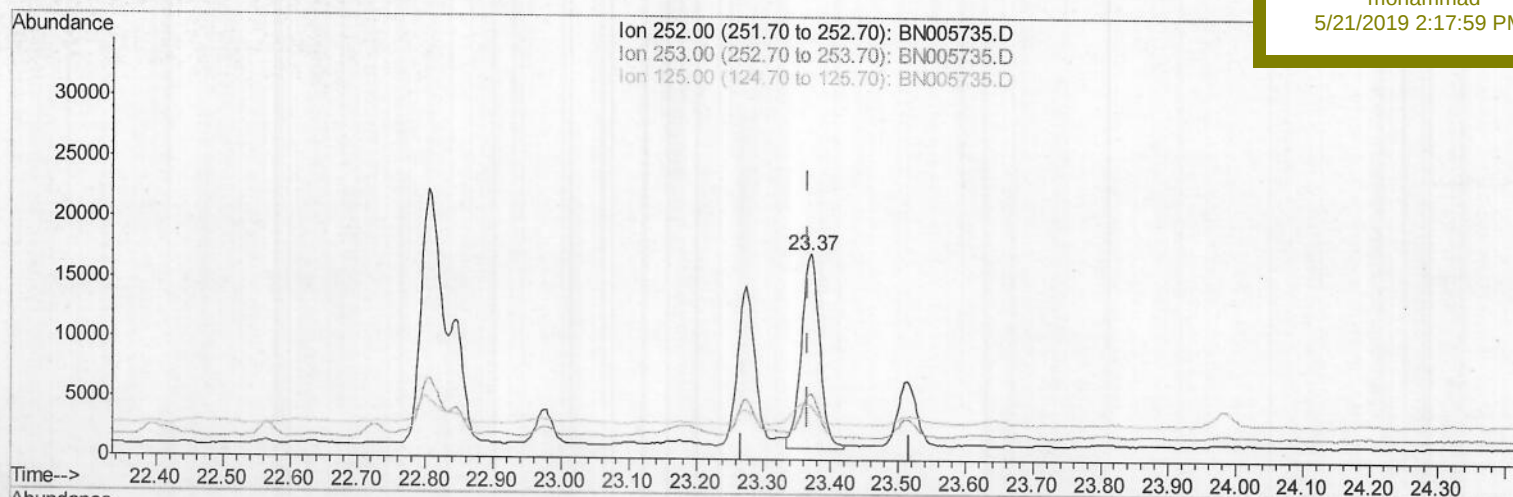
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



TIC: BN005735.D

(23) Benzo(a)pyrene (C)

23.370min (+0.003) 1.75ng/ul m

response 31000

Ion	Exp%	Act%
252.00	100	100
253.00	24.50	31.85#
125.00	12.60	25.91#
0.00	0.00	0.00

23.370min (+0.003) 1.75ng/ul m

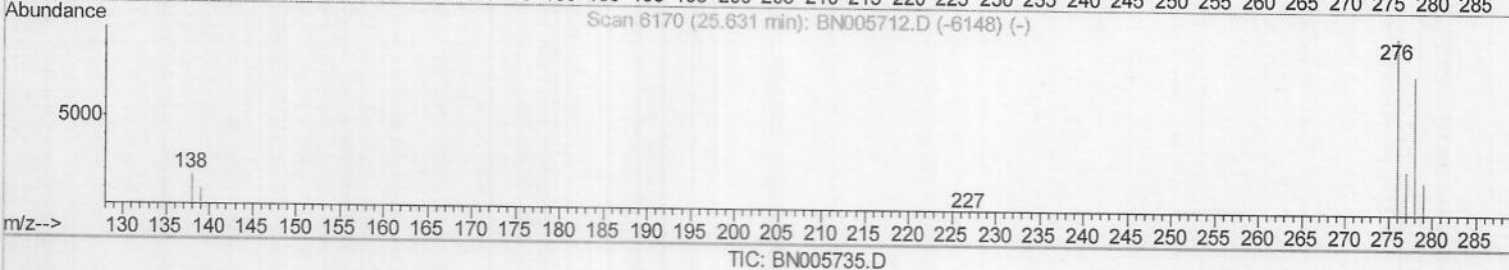
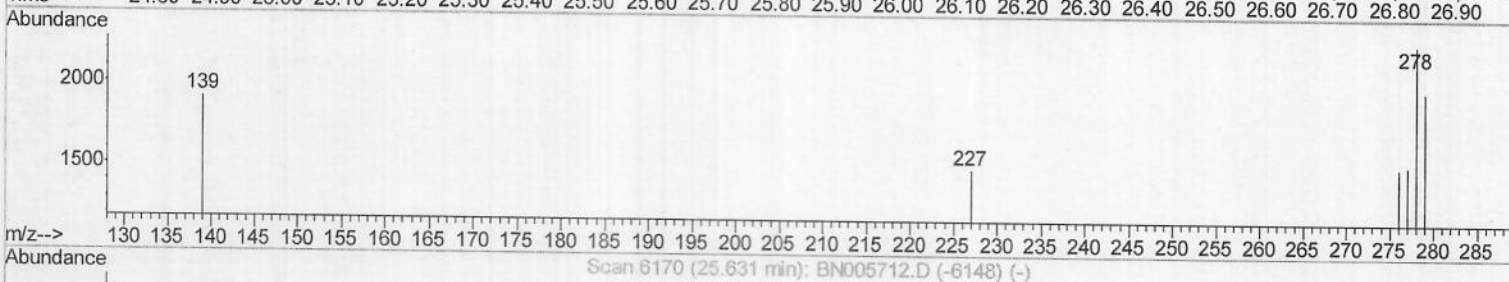
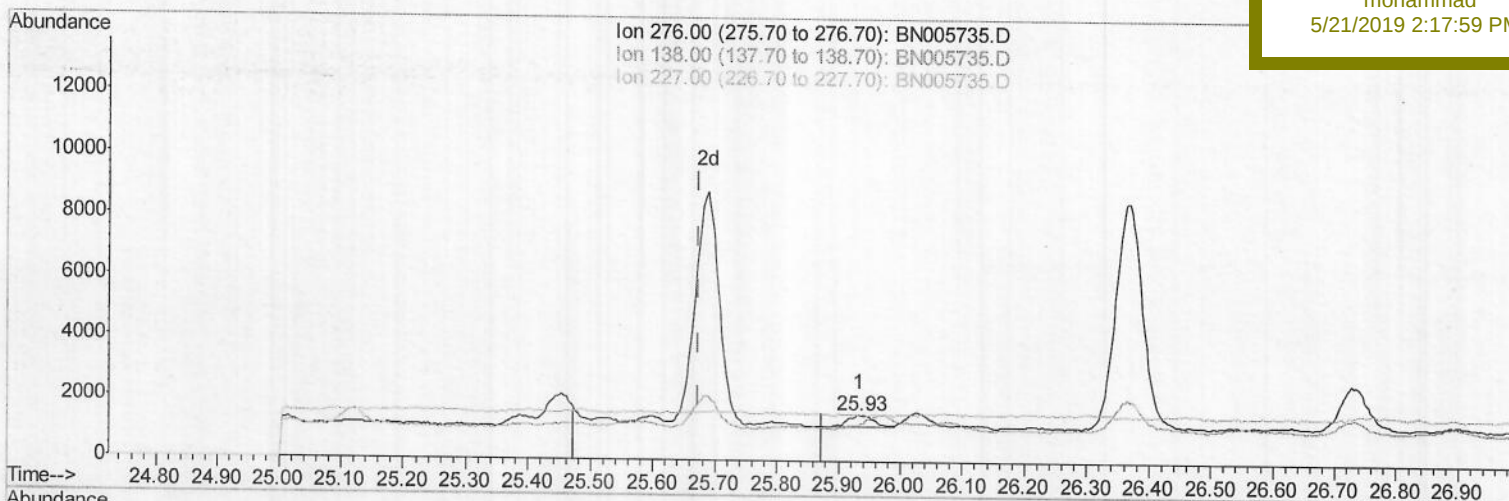
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
Client Sampled :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



(24) Indeno(1,2,3-cd)pyrene

25.933min (+0.258) 0.06ng/ul

response 1231

Ion	Exp%	Act%
276.00	100	100
138.00	19.80	0.00#
227.00	0.10	1.22#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

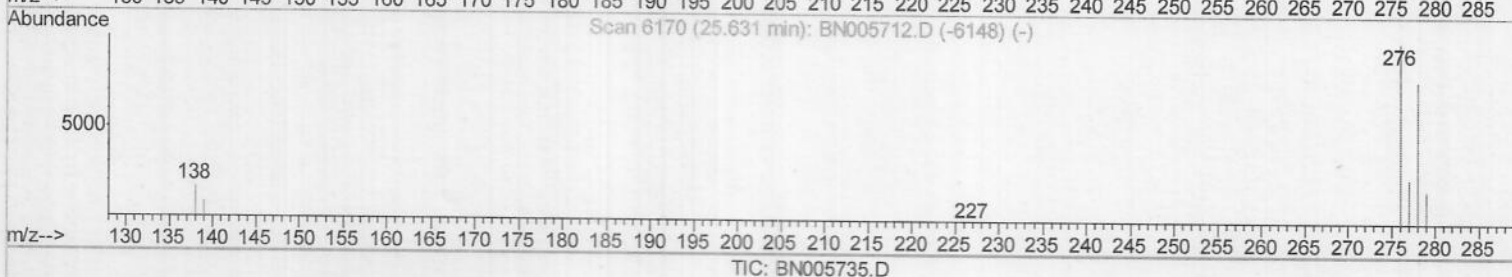
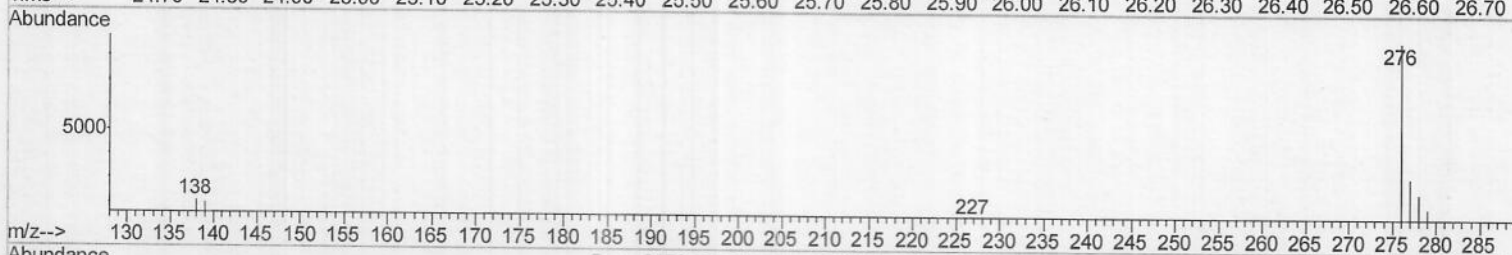
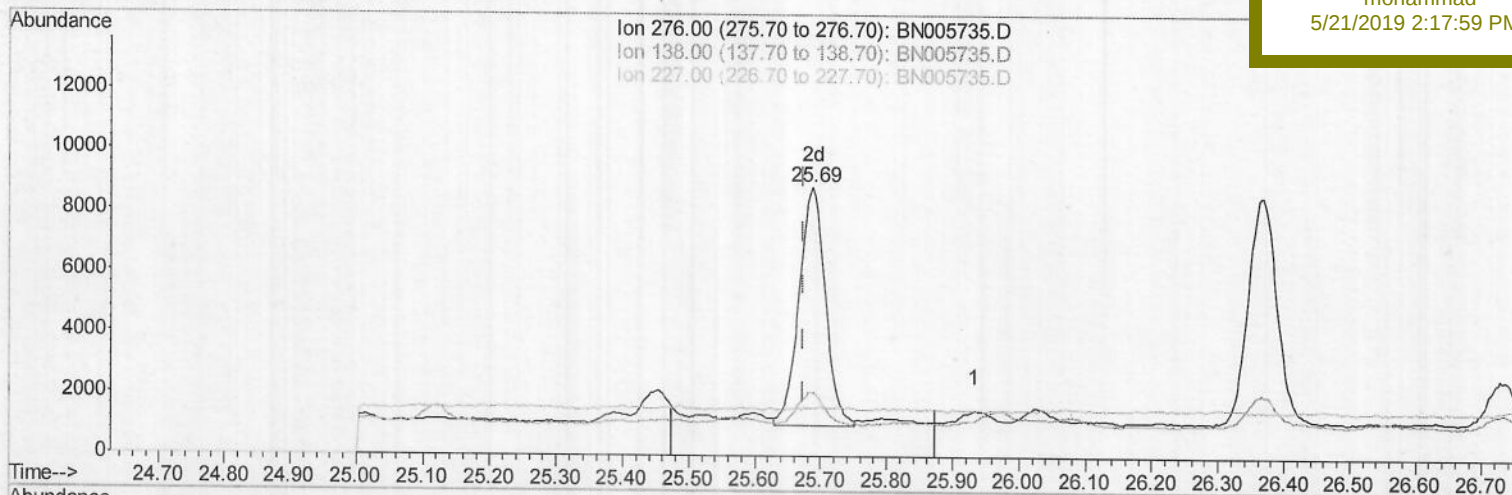
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A5191

Manual Integrations
APPROVEDmohammad
5/21/2019 2:17:59 PM

(24) Indeno(1,2,3-cd)pyrene

25.688min (+0.013) 1.09ng/ul m) JU05131119

response 21677

Ion	Exp%	Act%
276.00	100	100
138.00	19.80	0.00#
227.00	0.10	0.07#
0.00	0.00	0.00

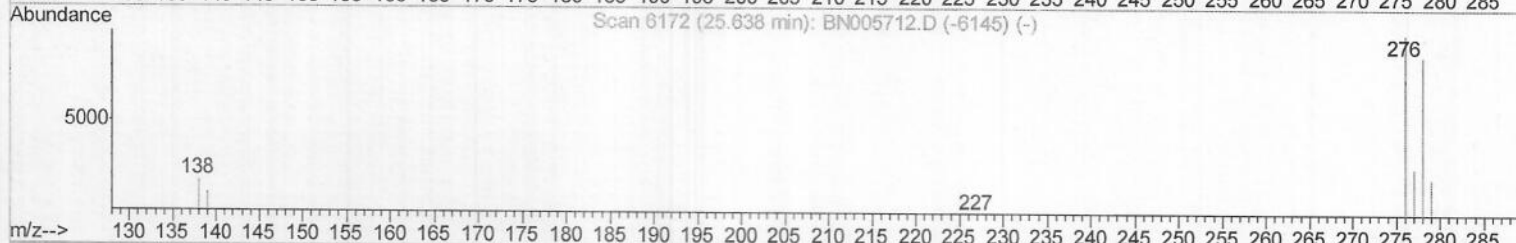
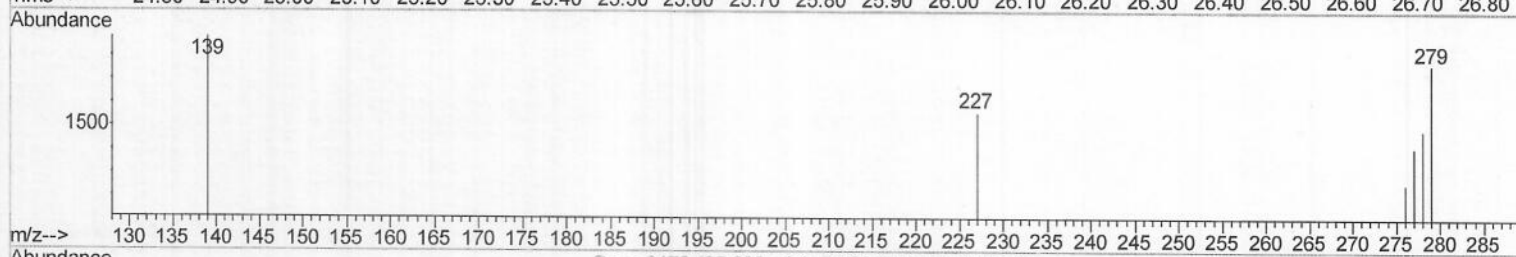
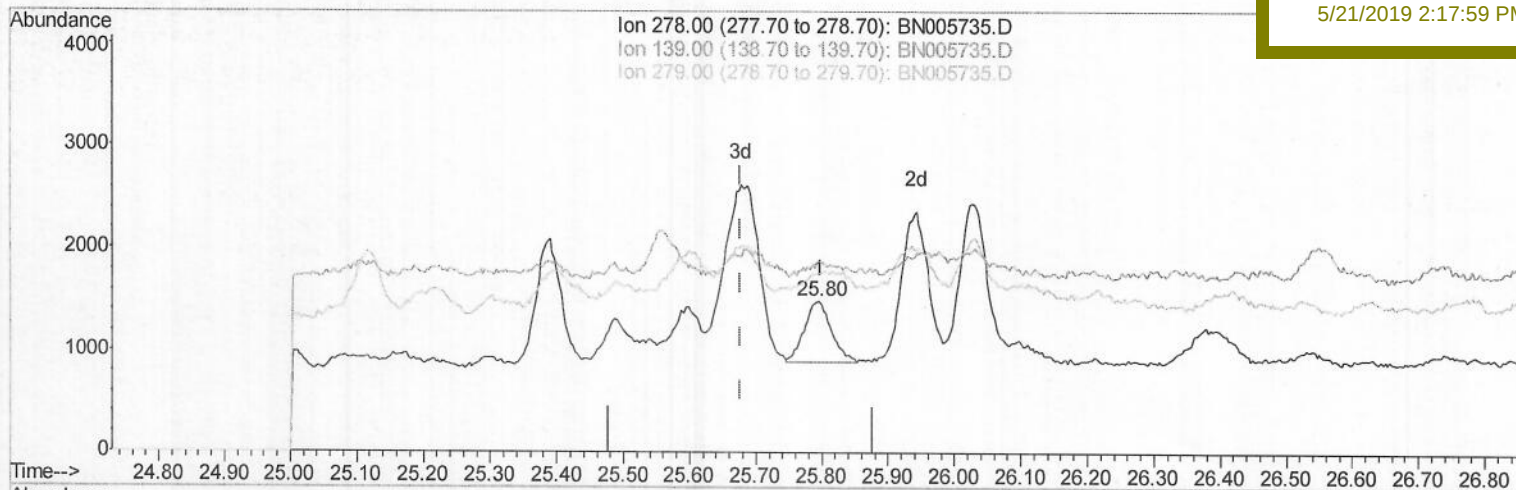
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
Data File : BN005735.D
Acq On : 17 May 2019 18:24
Operator : JU/SJ
Sample : K2788-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 14:33:18 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5191

Manual Integrations
APPROVED

mohammad
5/21/2019 2:17:59 PM



TIC: BN005735.D

(25) Dibenzo(a,h)anthracene

25.795min (+0.117) 0.10ng/ul

response 1683

Ion	Exp%	Act%
278.00	100	100
139.00	15.50	126.26#
279.00	26.20	118.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\

Data File : BN005735.D

Acq On : 17 May 2019 18:24

Operator : JU/SJ

Sample : K2788-03

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 19:09:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 17 14:33:18 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

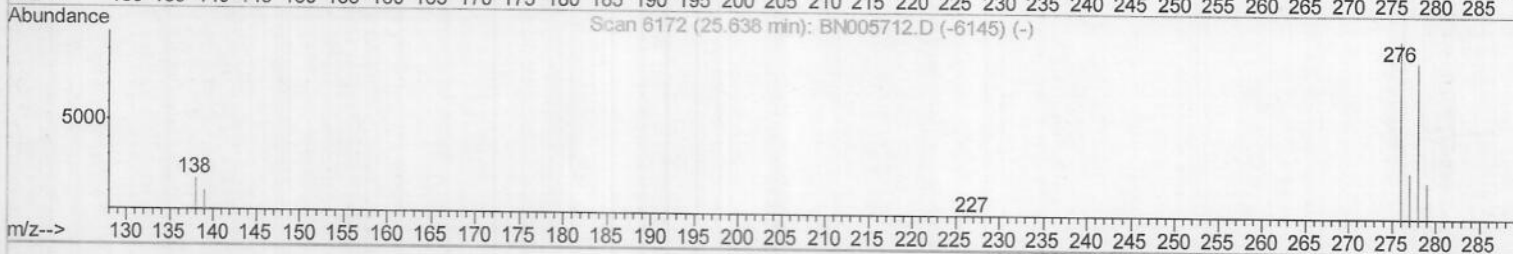
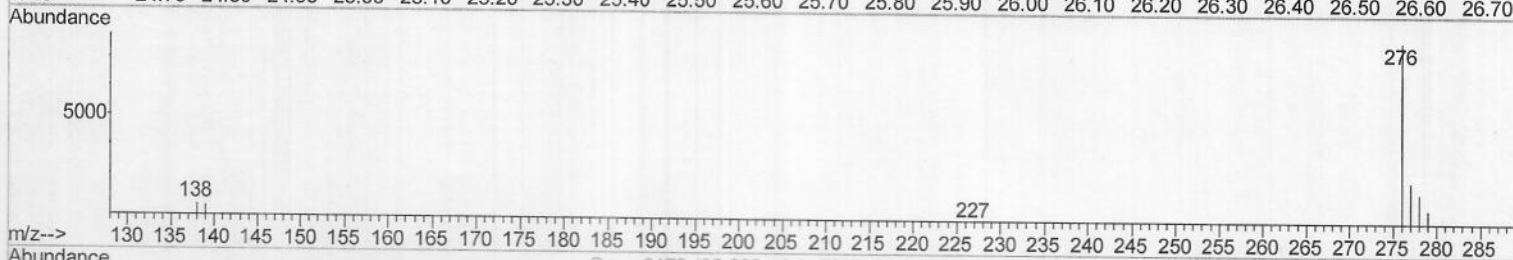
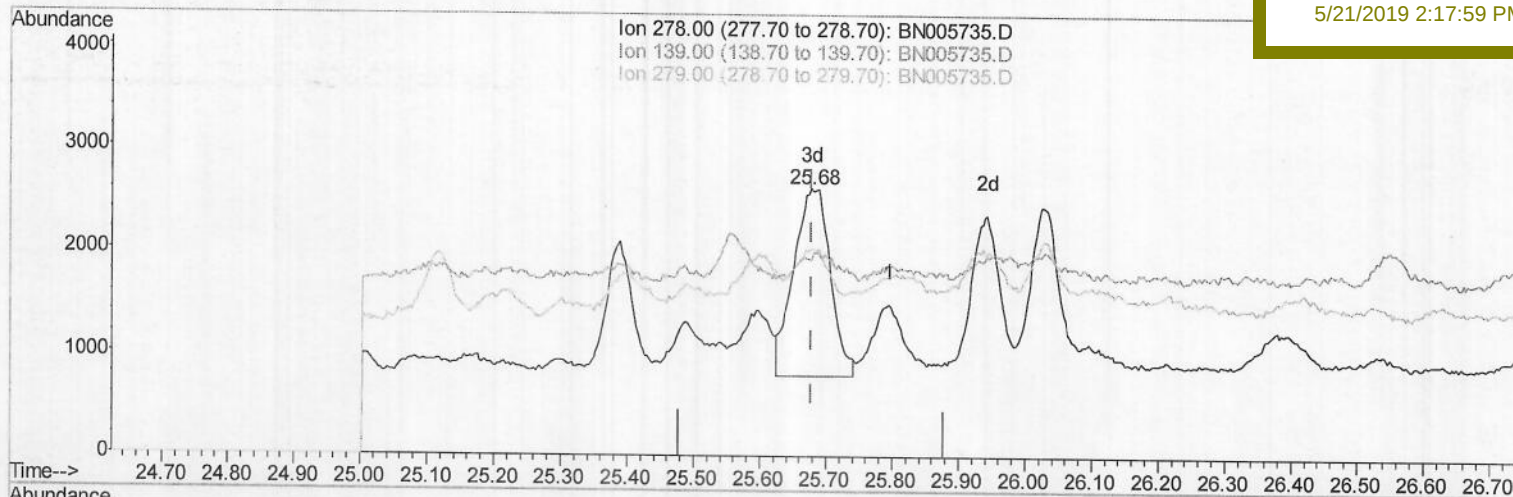
A5191

Manual Integrations

APPROVED

mohammad

5/21/2019 2:17:59 PM



(25) Dibenzo(a,h)anthracene

25.678min (+0.000) 0.43ng/ul m

response 7032

Ion	Exp%	Act%
278.00	100	100
139.00	15.50	73.21#
279.00	26.20	77.29#
0.00	0.00	0.00

JU 05/31/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051719\
 Data File : BN005735.D
 Acq On : 17 May 2019 18:24
 Operator : JU/SJ
 Sample : K2788-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5191

Quant Time: May 17 19:11:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 14:33:18 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 5/21/2019 2:17:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1381	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	5583	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.23	164	3643	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	7848m)	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	5283m)	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	5284m)	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2027	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	4219m)	0.17	ng/ul	0.00
Target Compounds						
					Qvalue	
3) Naphthalene	10.40	128	2749	0.186	ng/ul#	93
5) 2-Methylnaphthalene	12.03	142	8013	0.794	ng/ul	99
7) Acenaphthylene	13.95	152	898	0.049	ng/ul#	35
8) Acenaphthene	14.29	153	4542	0.350	ng/ul	97
9) Fluorene	15.29	166	2811	0.185	ng/ul#	93
12) Phenanthrene	17.03	178	50646m)	2.368	ng/ul	
13) Anthracene	17.12	178	9922m)	0.465	ng/ul	
15) Fluoranthene	19.07	202	86066m)	2.908	ng/ul	
17) Pyrene	19.43	202	71082	3.643	ng/ul#	95
18) Benzo(a)anthracene	21.22	228	33494m)	1.839	ng/ul	
19) Chrysene	21.27	228	35498m)	1.587	ng/ul	
21) Benzo(b)fluoranthene	22.81	252	43132m)	2.715	ng/ul	
22) Benzo(k)fluoranthene	22.84	252	15705m)	0.789	ng/ul	
23) Benzo(a)pyrene	23.37	252	31000m)	1.746	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.69	276	21677m)	1.091	ng/ul	
25) Dibenzo(a,h)anthracene	25.68	278	7032m)	0.428	ng/ul	
26) Benzo(g,h,i)perylene	26.37	276	22742	1.343	ng/ul#	84

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

JU05/31/19