

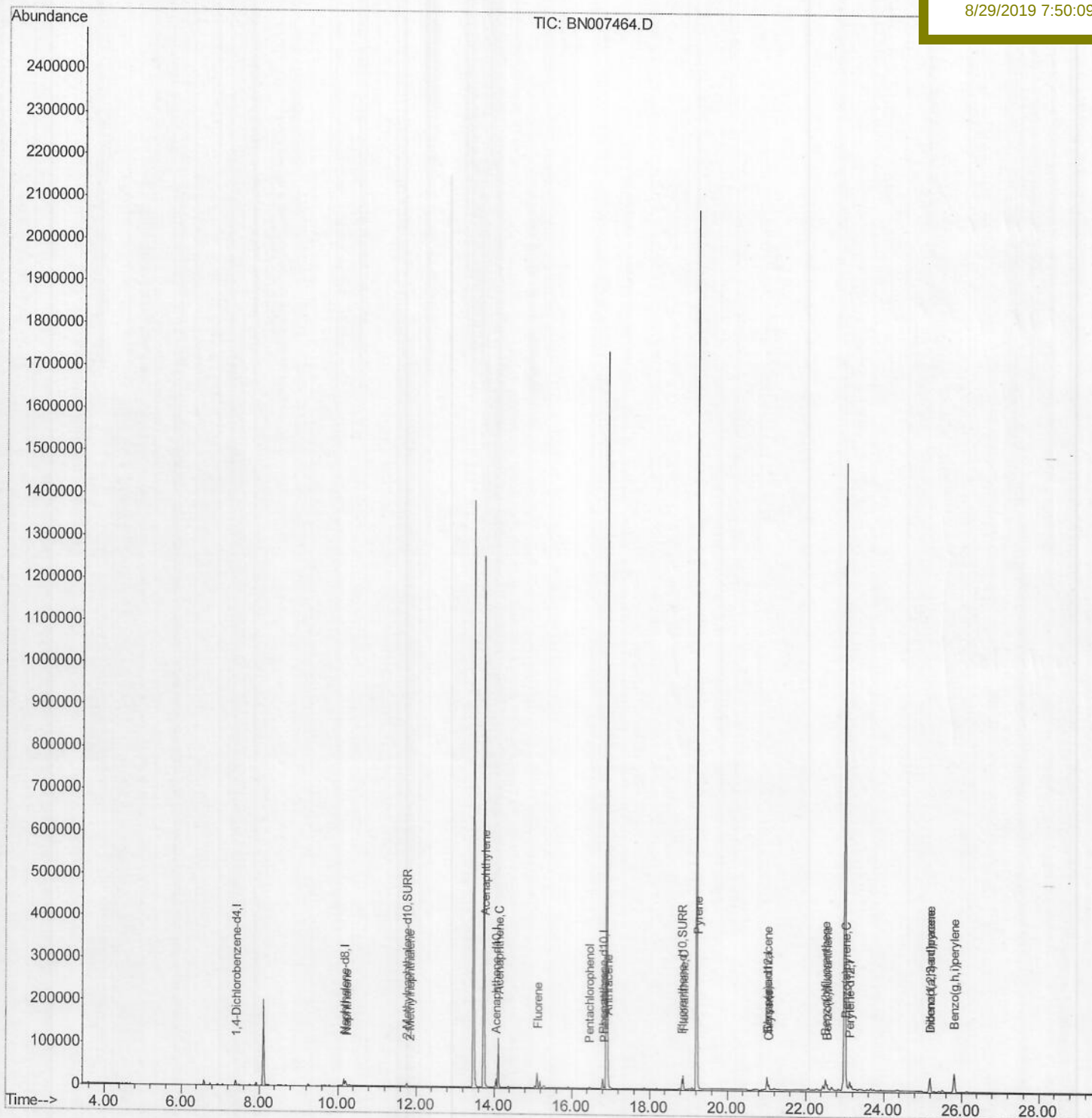
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AB0

Quant Time: Aug 28 14:30:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

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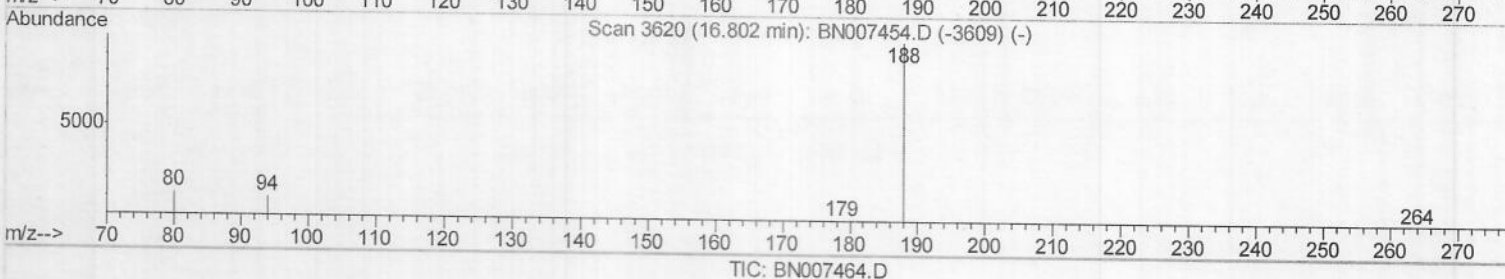
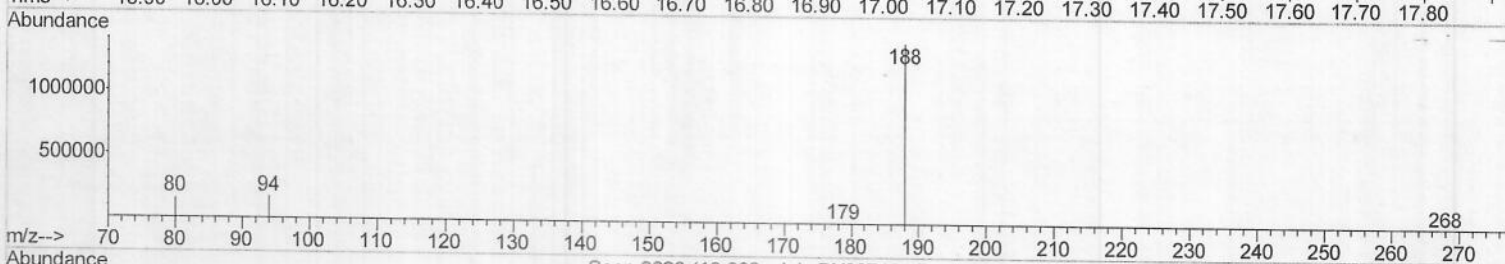
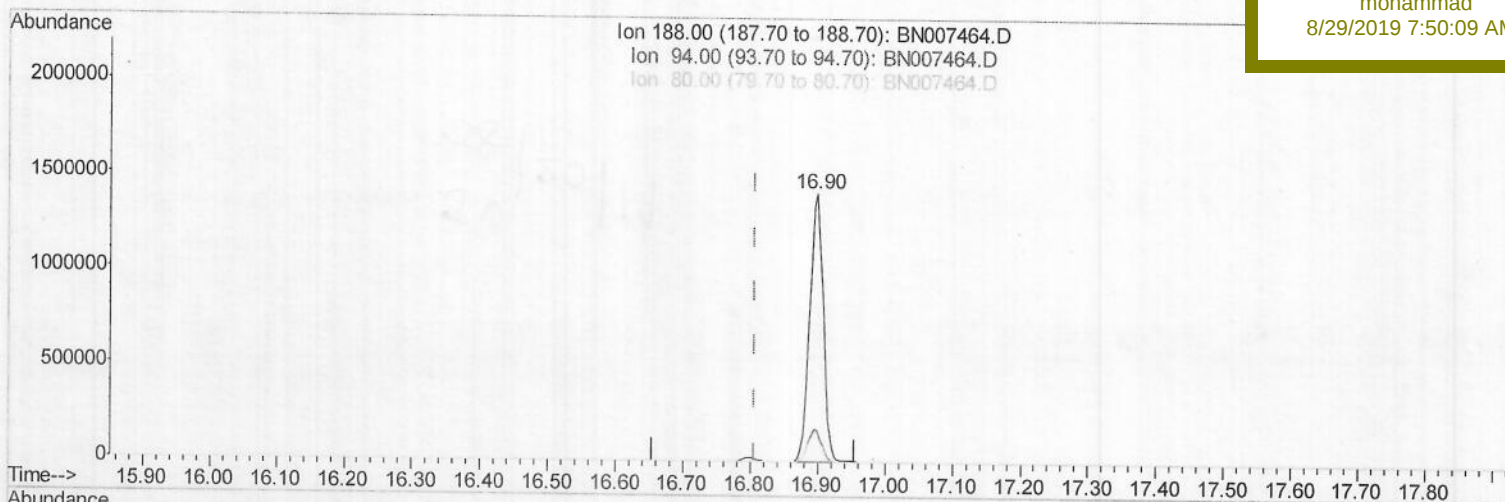
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:21:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AB0

Manual Integrations
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(10) Phenanthrene-d10 (I)

16.899min (+0.093) 0.40ng/ul

response 2003606

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.05
80.00	12.40	11.00
0.00	0.00	0.00

Quantitation Report (Qedit)

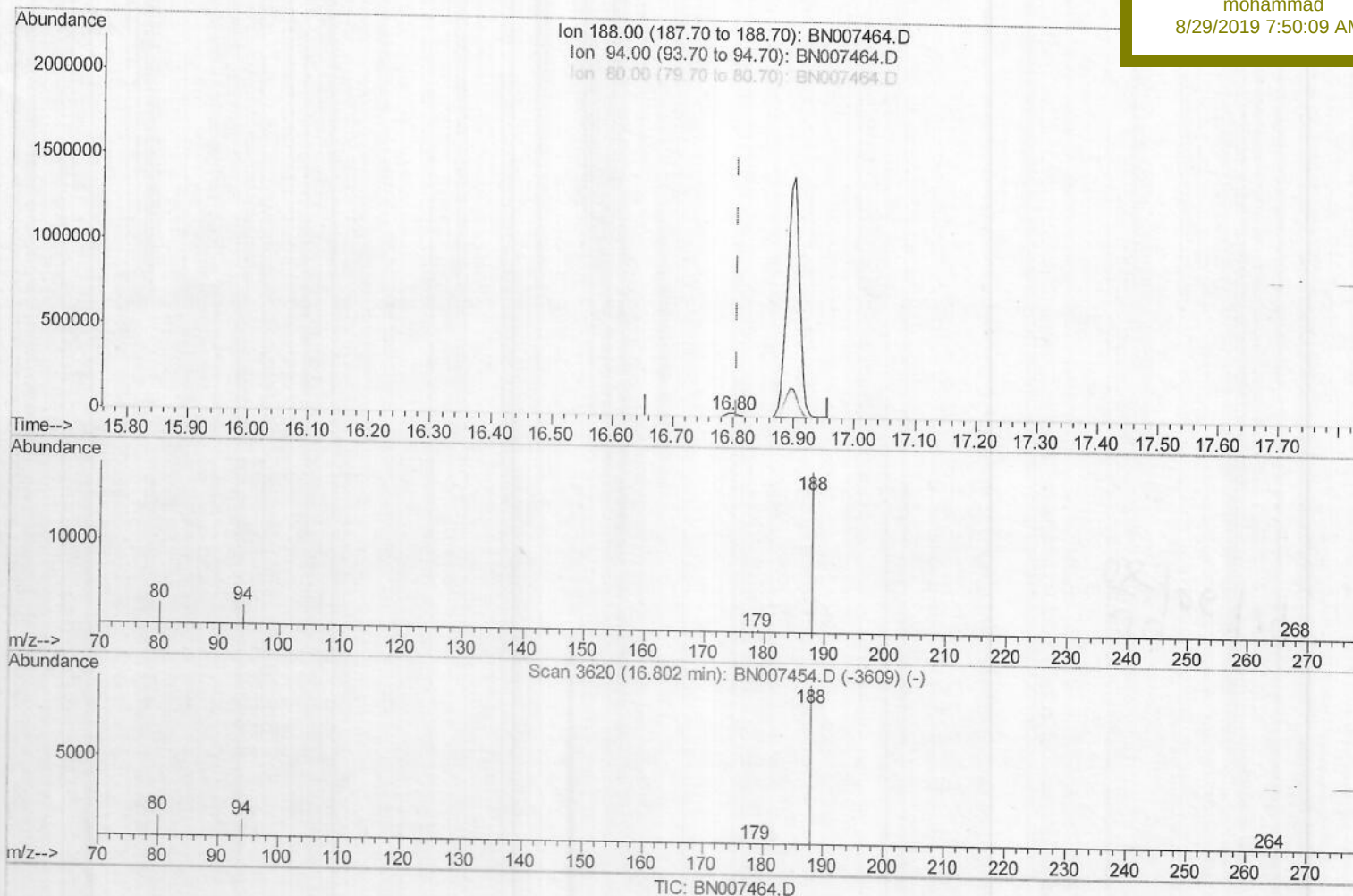
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
 Data File : BN007464.D
 Acq On : 28 Aug 2019 12:38
 Operator : HP/JU
 Sample : K4373-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:21:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 C0AB0

Manual Integrations
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(10) Phenanthrene-d10 (I)

16.798min (-0.009) 0.40ng/ul m) JU
 08/29/14

response 26728

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	11.93
80.00	12.40	13.06
0.00	0.00	0.00

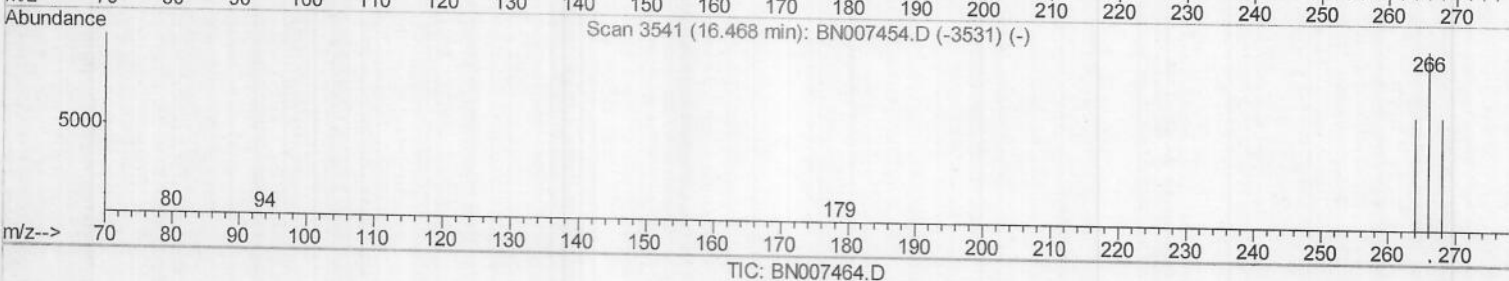
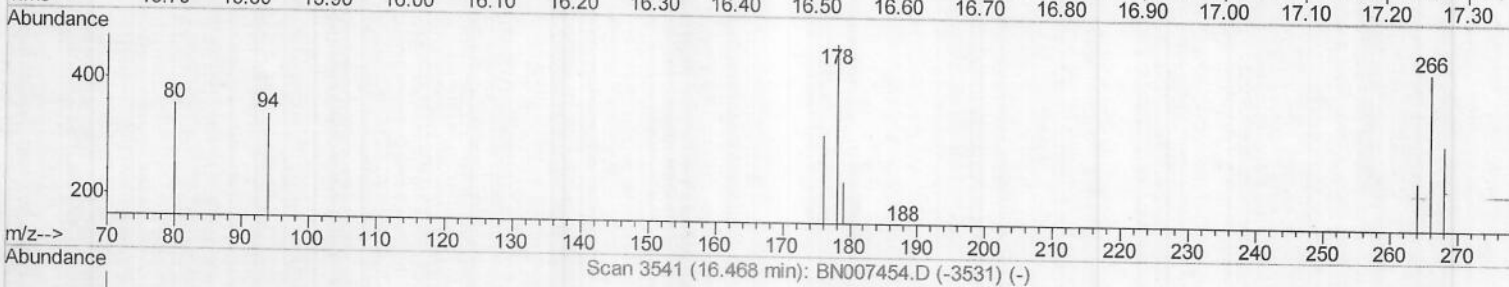
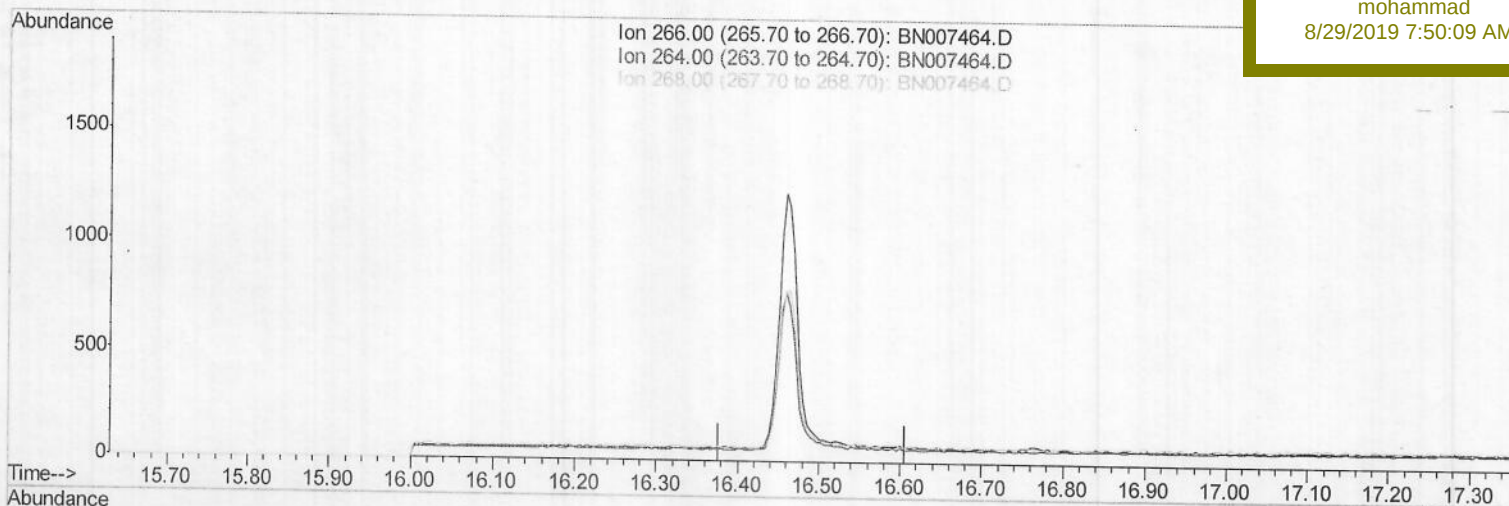
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AB0

Manual Integrations
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(11) Pentachlorophenol

16.477min (-16.477) 0.00ng/ul

response 0

Ion	Exp%	Act%
266.00	100	0.00
264.00	61.30	0.00#
268.00	62.70	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

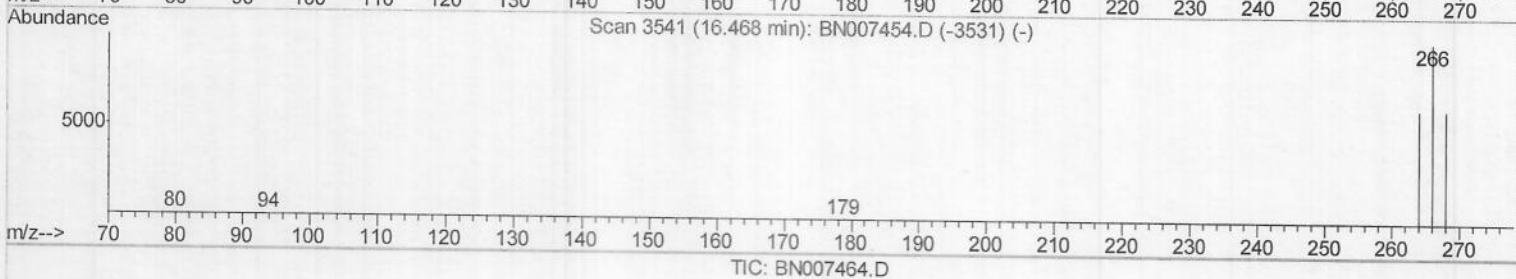
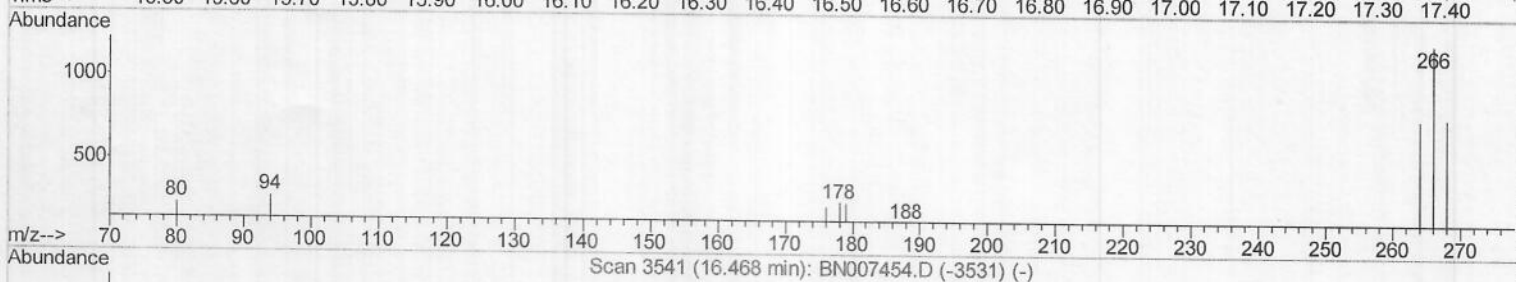
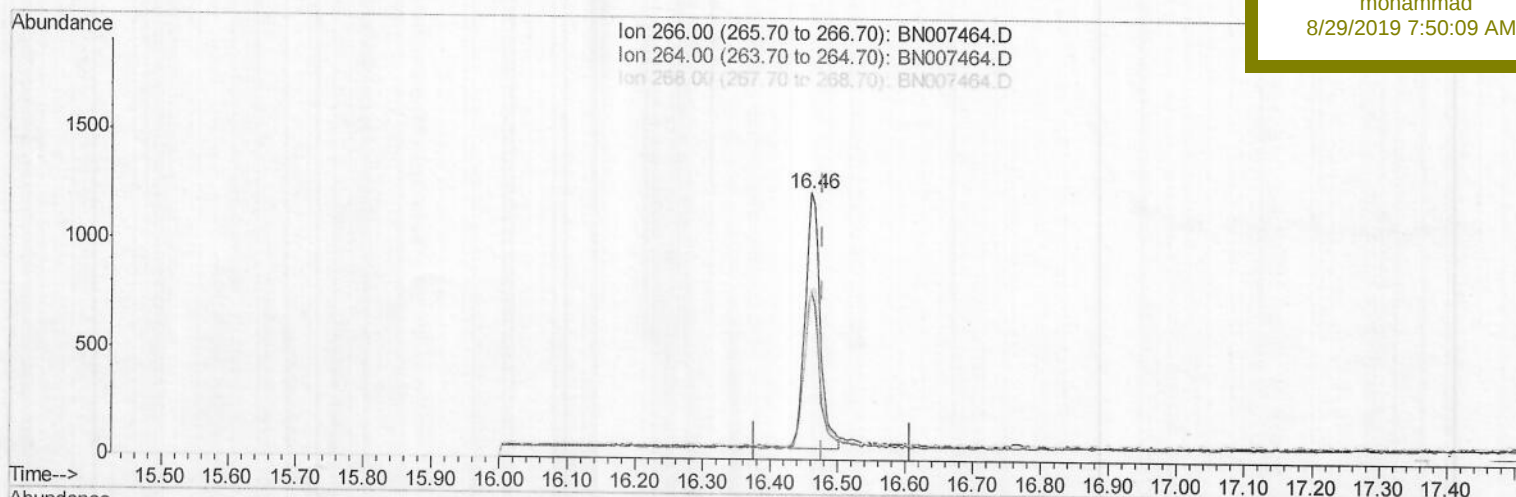
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
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(11) Pentachlorophenol

16.460min (-0.017) 0.30ng/ul m) JU
08/28/19

response 1826

Ion	Exp%	Act%
266.00	100	100
264.00	61.30	0.00#
268.00	62.70	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

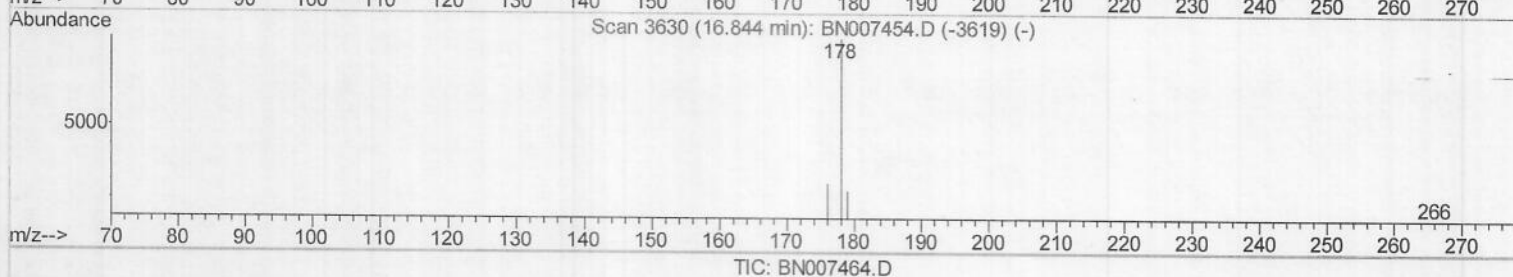
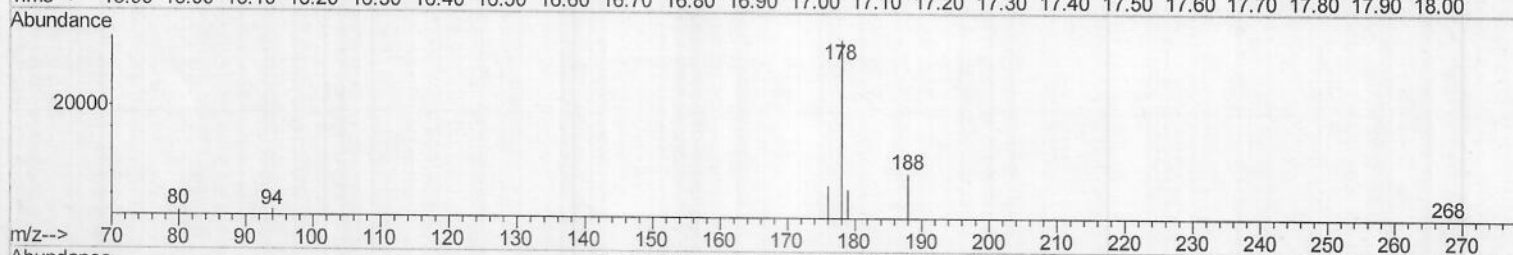
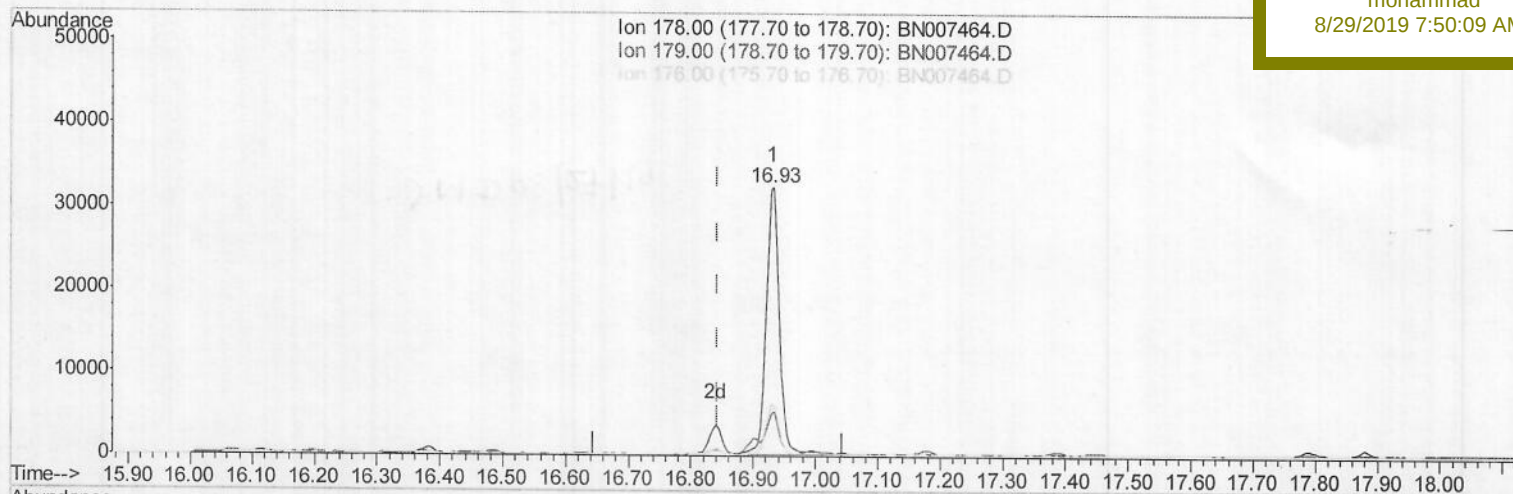
C0AB0

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(12) Phenanthrene

16.933min (+0.089) 0.57ng/ul

response 47905

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.33
176.00	19.00	18.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

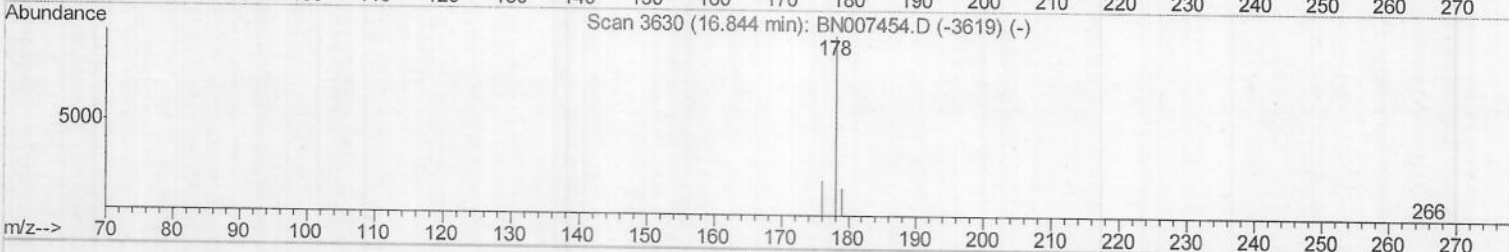
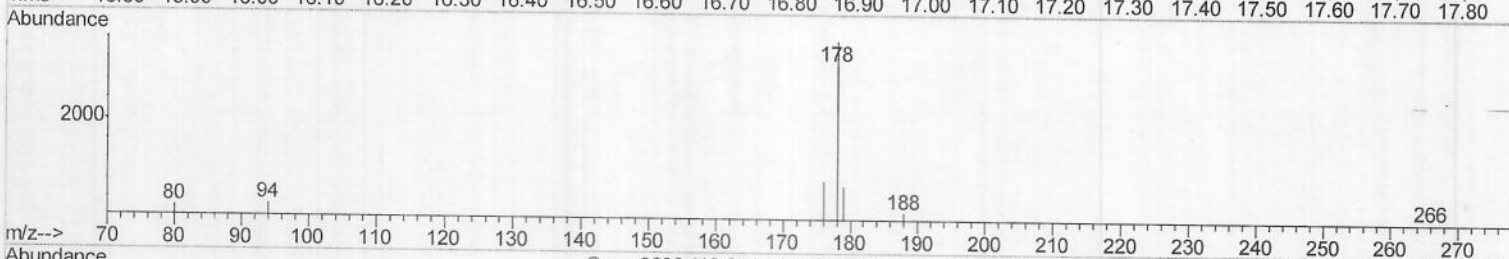
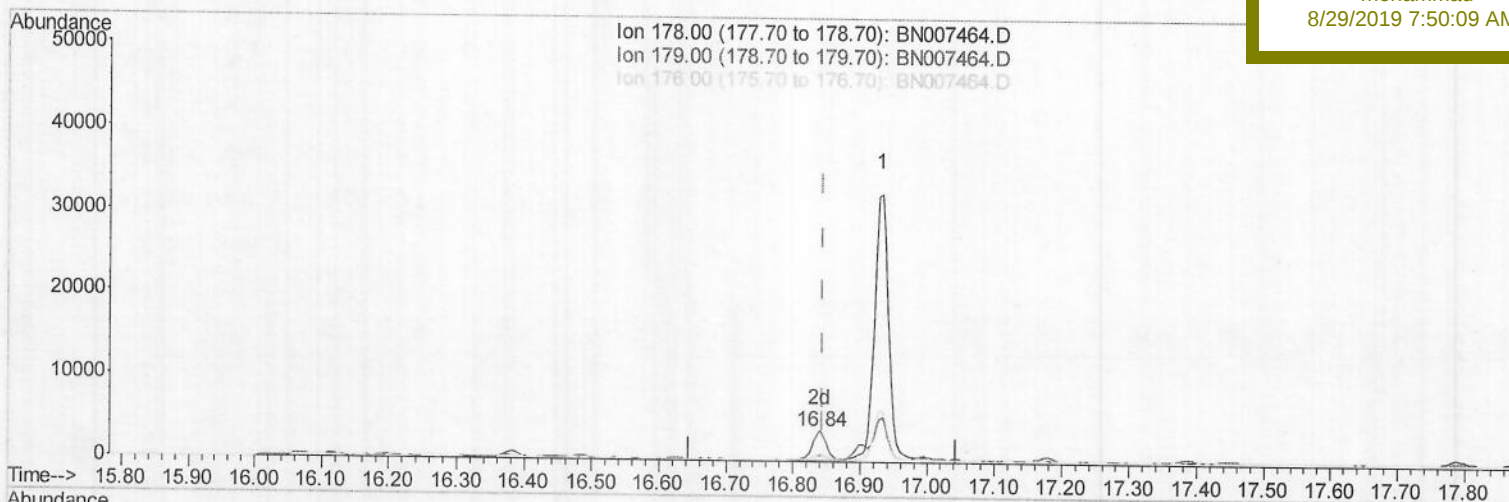
C0AB0

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TIC: BN007464.D

(12) Phenanthrene

16.840min (-0.004) 0.06ng/ul m) JU
08/29/19

response 4937

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	19.93#
176.00	19.00	23.38#
0.00	0.00	0.00

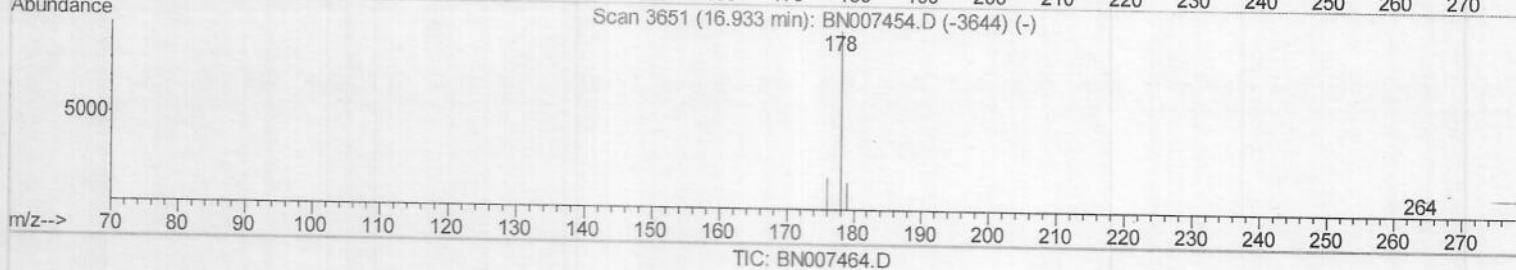
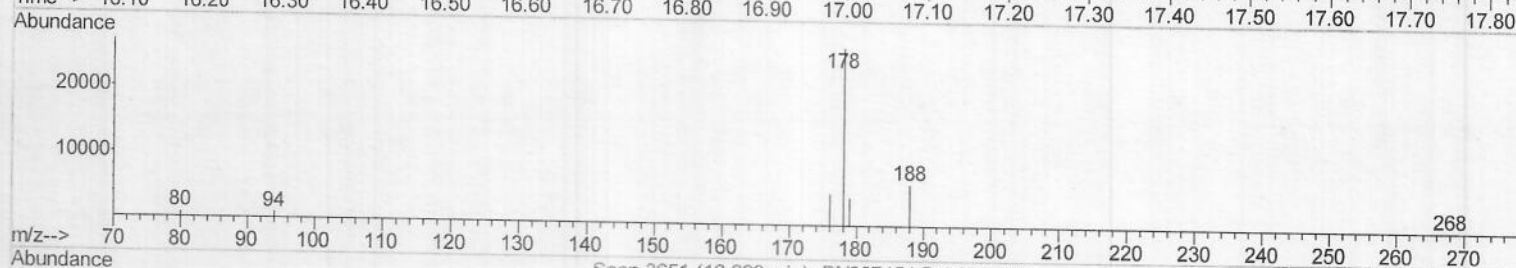
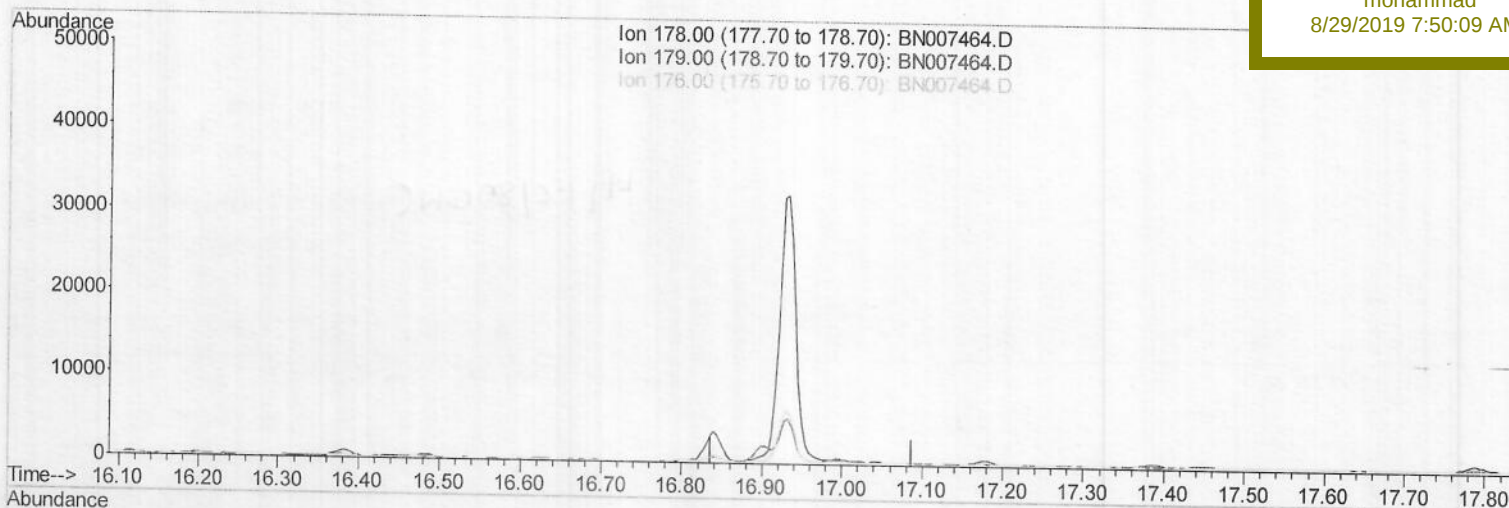
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AB0

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(13) Anthracene

16.937min (-16.937) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	16.00	0.00#
176.00	18.20	0.00#
0.00	0.00	0.00

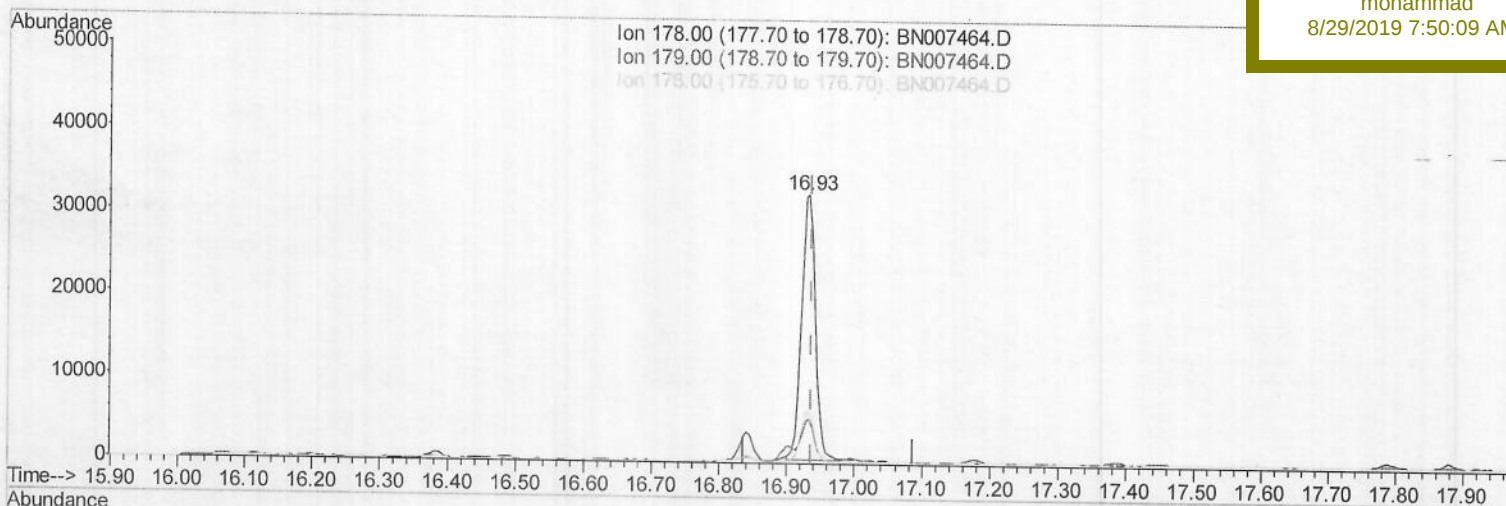
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AB0

Manual Integrations
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(13) Anthracene

16.933min (-0.004) 0.57ng/ul m

response 44583

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.33
176.00	18.20	18.57
0.00	0.00	0.00

JU
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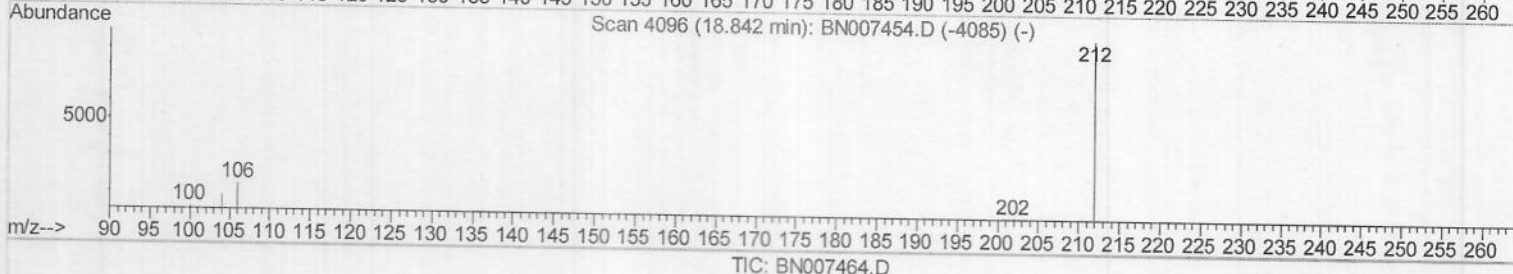
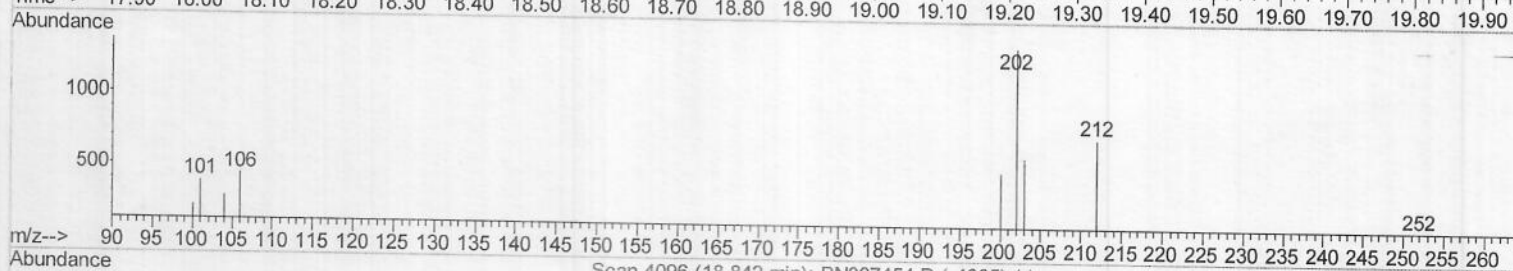
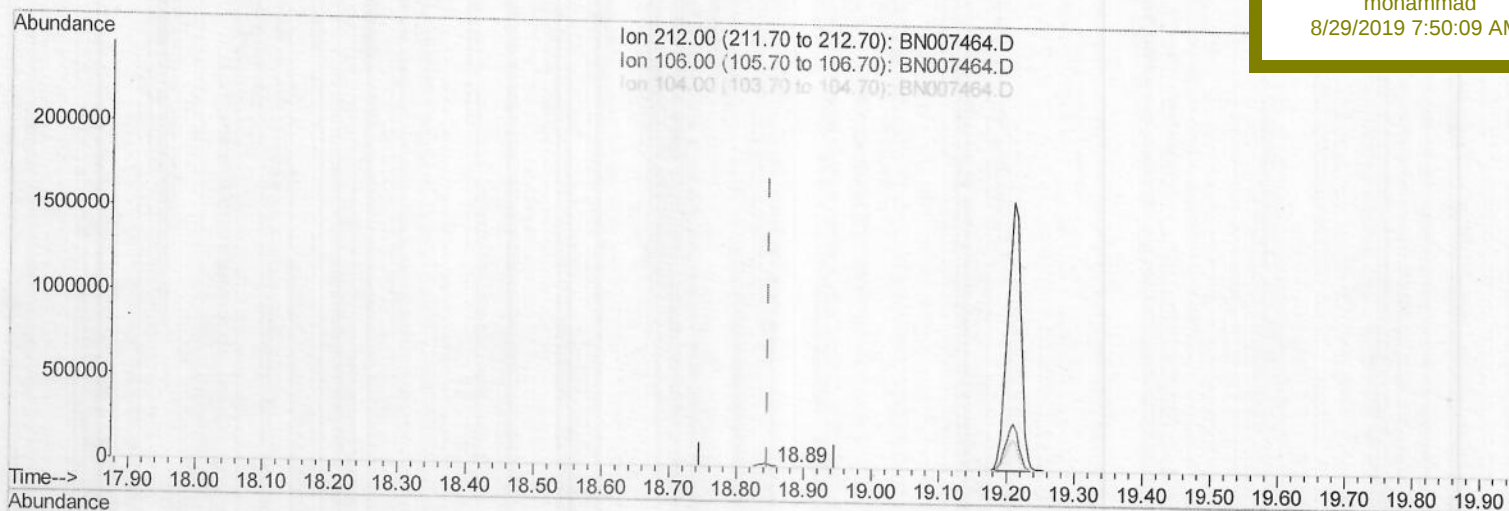
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AB0

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

18.893min (+0.046) 0.01ng/ul

response 805

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	5.59#
104.00	8.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

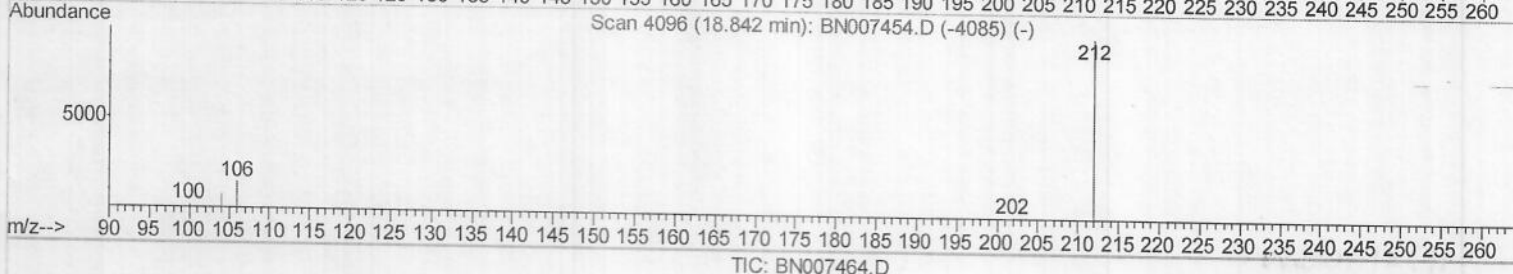
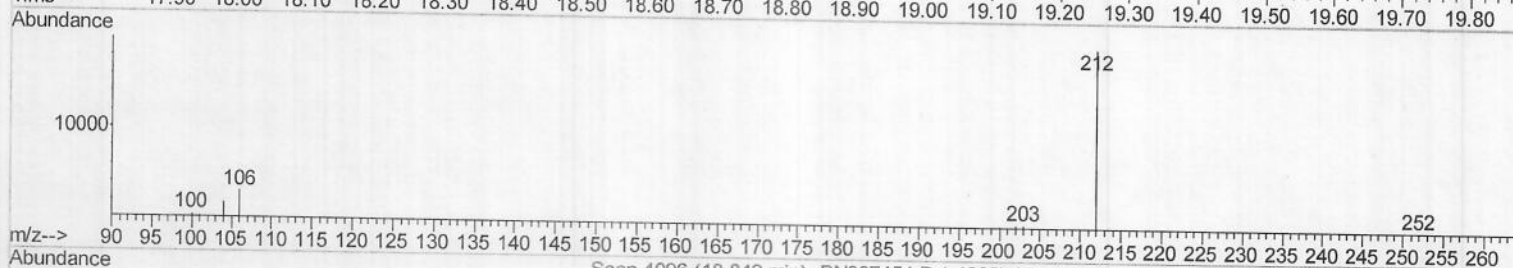
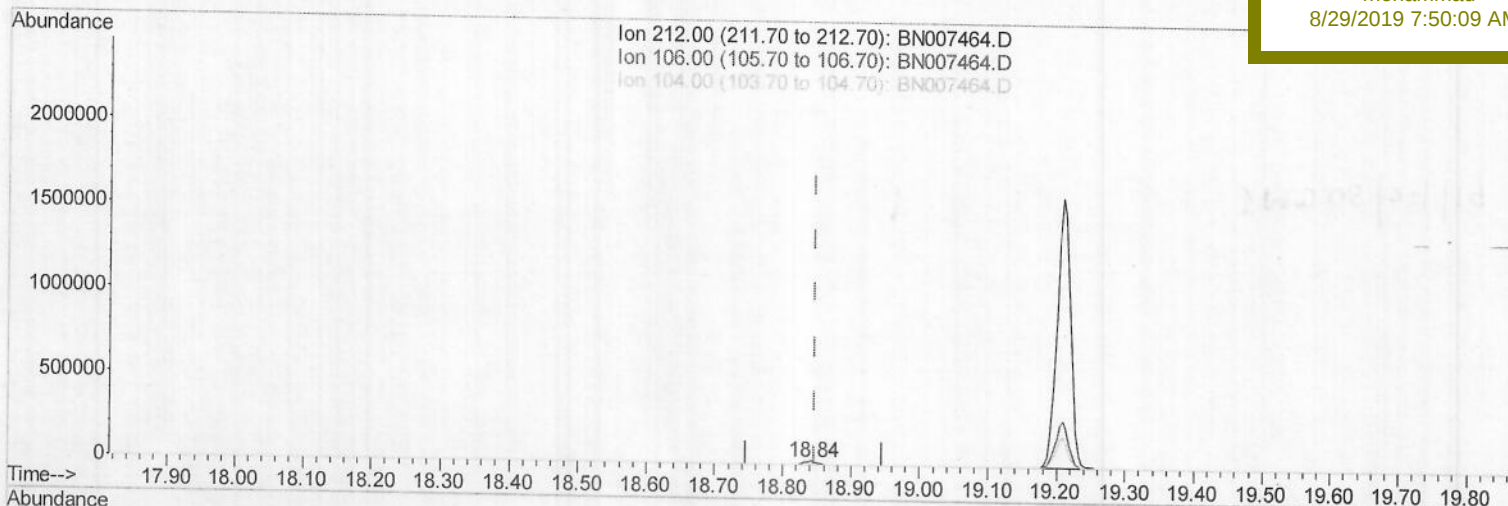
C0AB0

Manual Integrations

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(14) Fluoranthene-d10 (Surr)

18.842min (-0.005) 0.31ng/ul m

response 27172

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	0.17#
104.00	8.00	0.00#
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

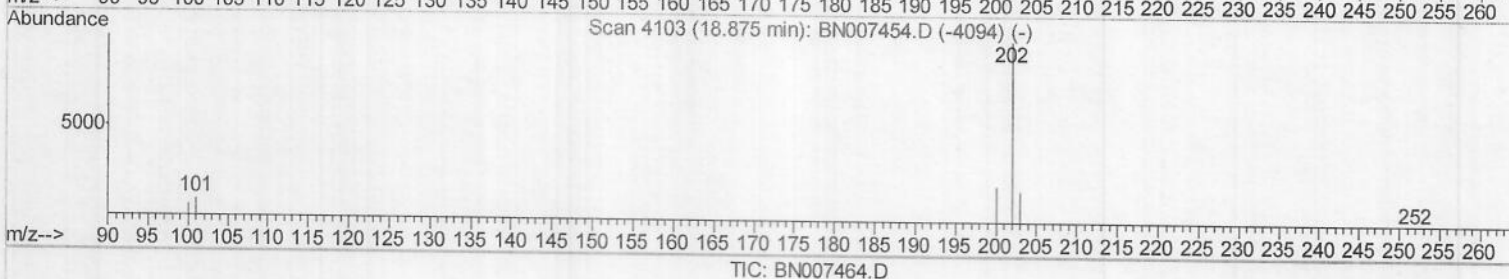
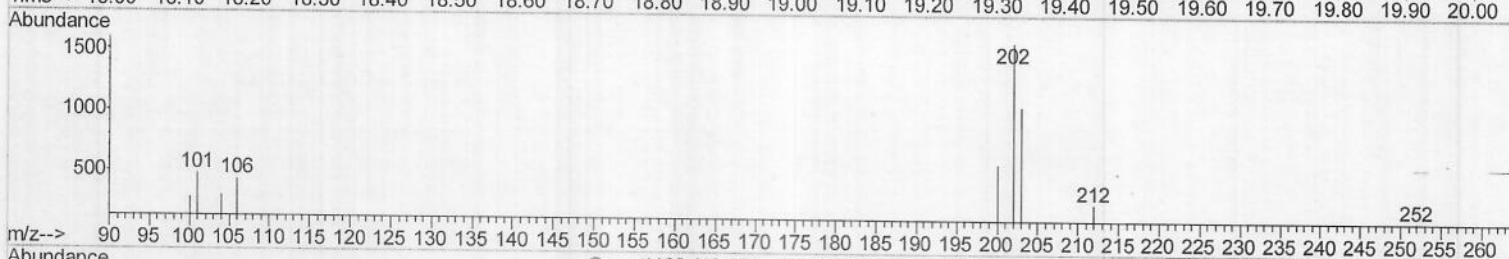
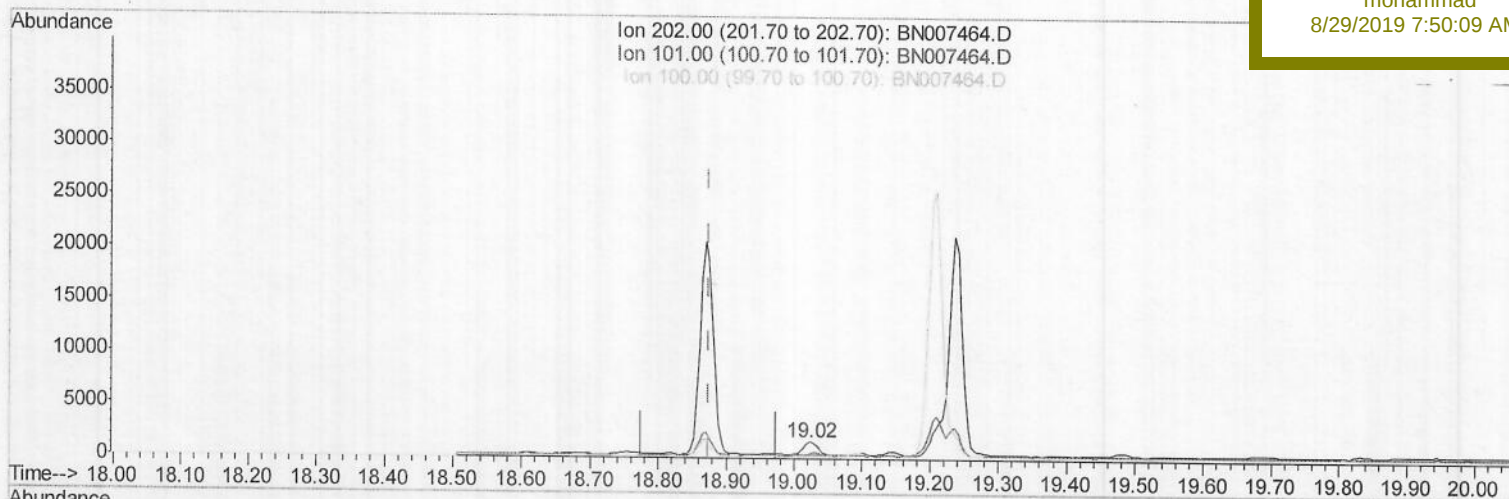
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
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(15) Fluoranthene (C)

19.023min (+0.149) 0.02ng/ul

response 1783

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	29.72
100.00	8.50	17.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

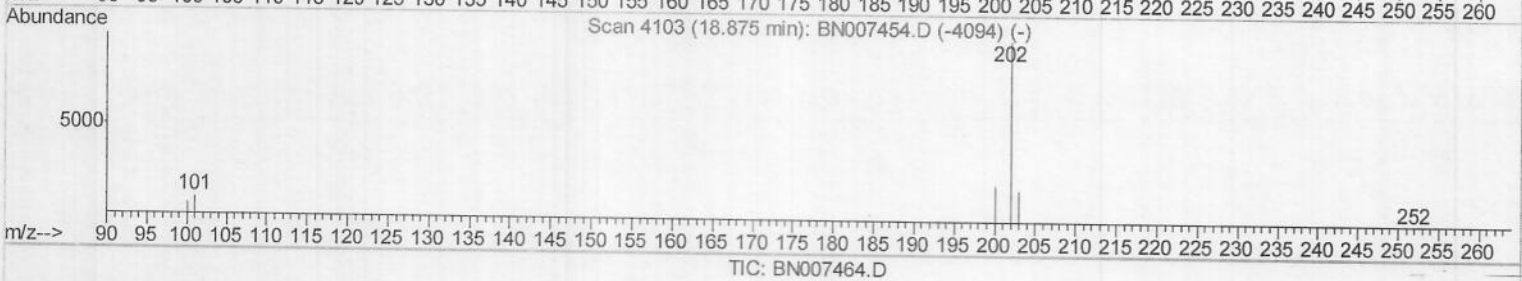
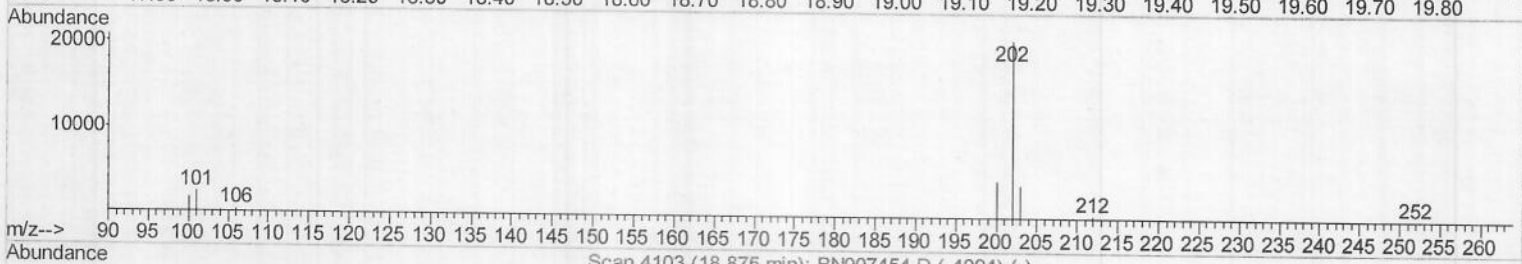
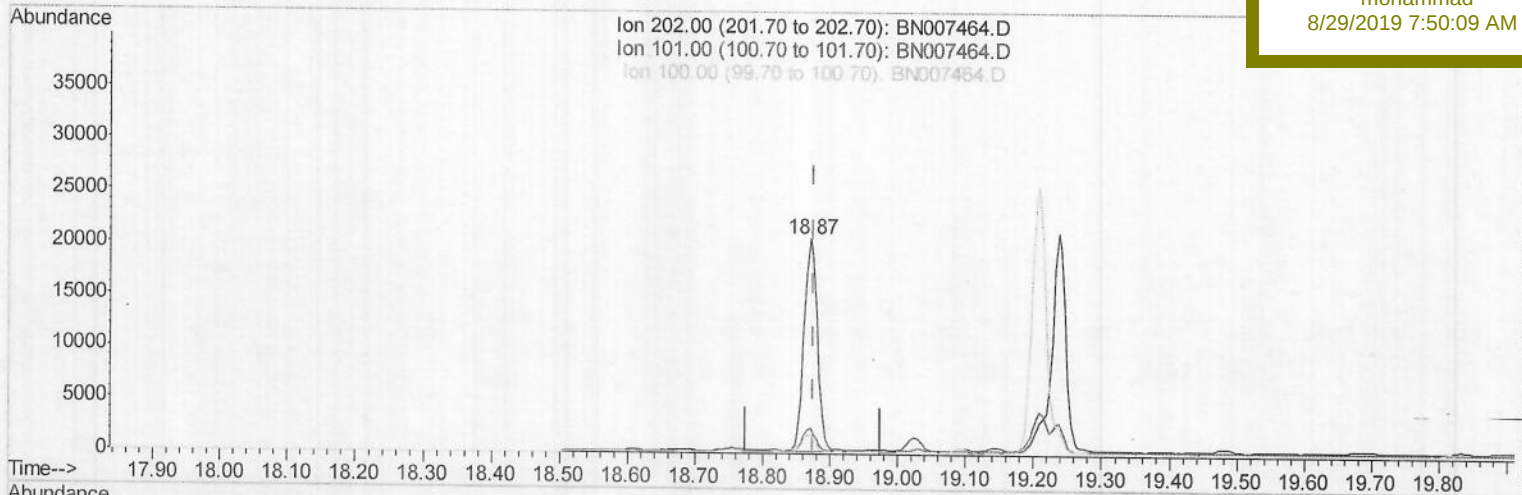
C0AB0

Manual Integrations

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(15) Fluoranthene (C)

18.870min (-0.005) 0.25ng/ul m

response 27617

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	11.92
100.00	8.50	8.64
0.00	0.00	0.00

JU
08/29/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

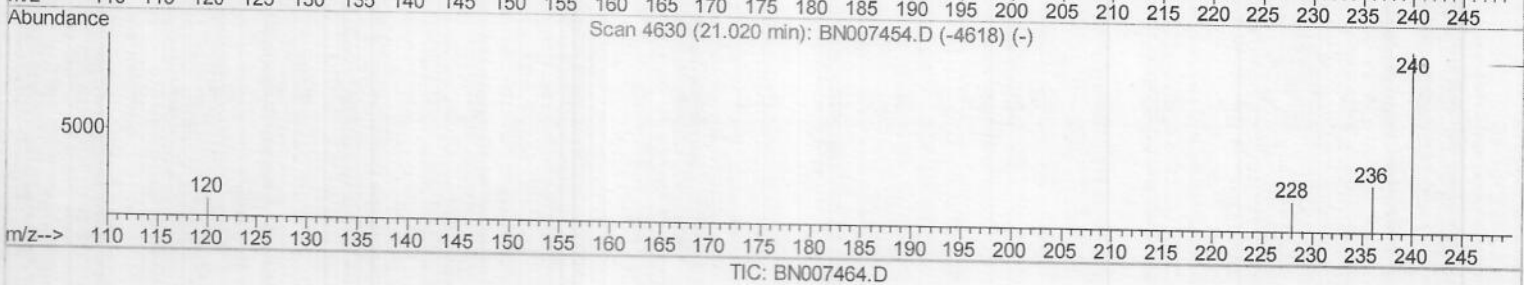
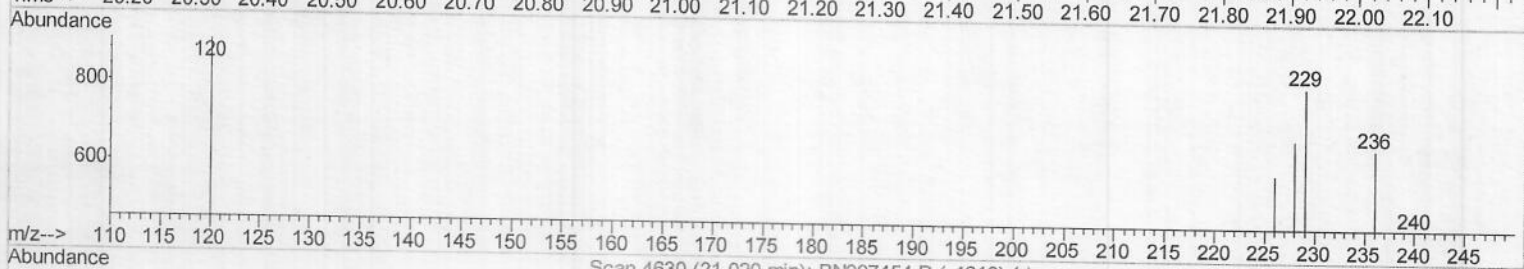
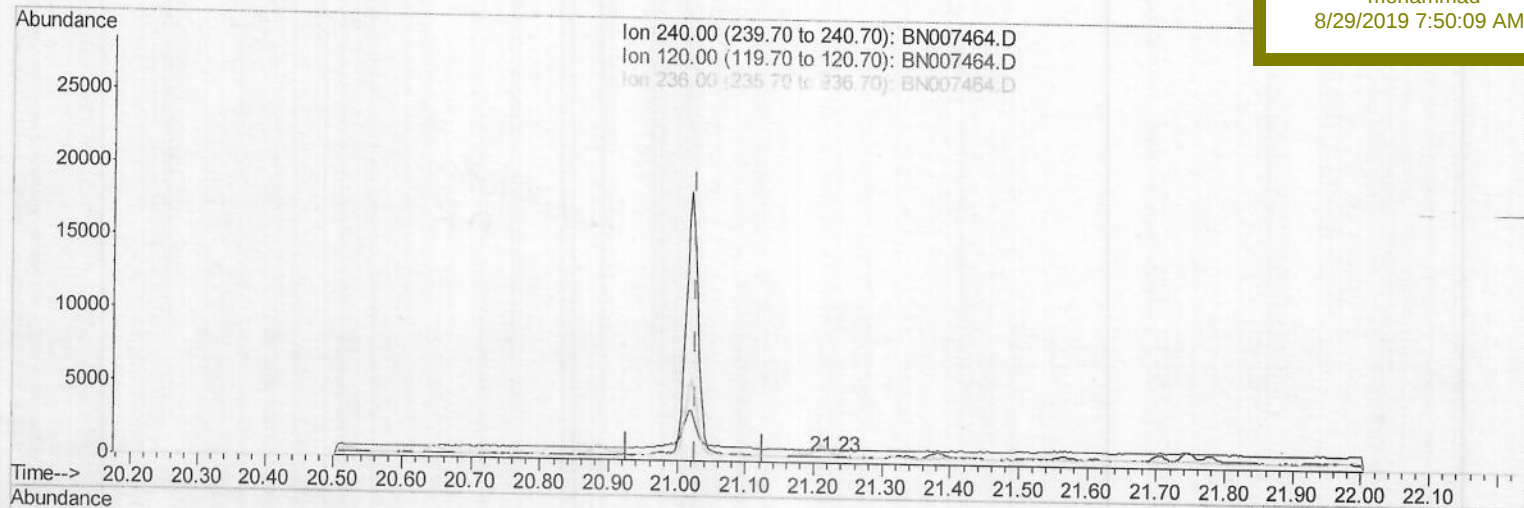
C0AB0

Manual Integrations

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(16) Chrysene-d12 (I)

21.227min (+0.201) 0.40ng/ul

response 39

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	197.16#
236.00	28.60	143.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:22:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

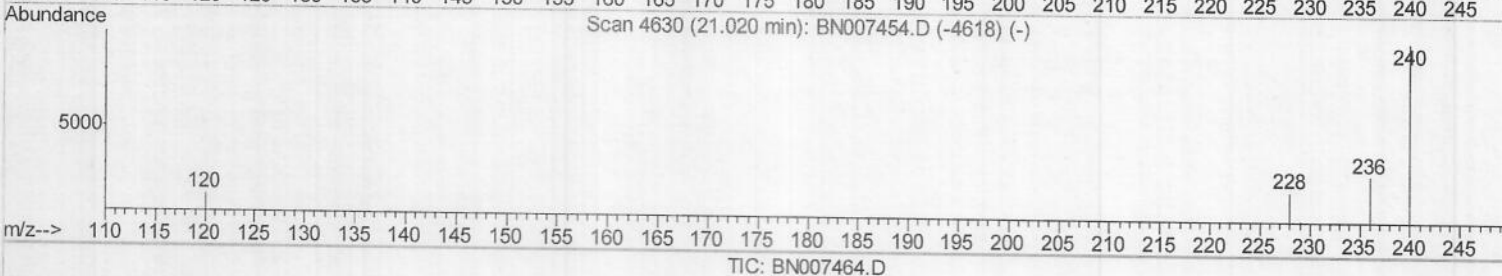
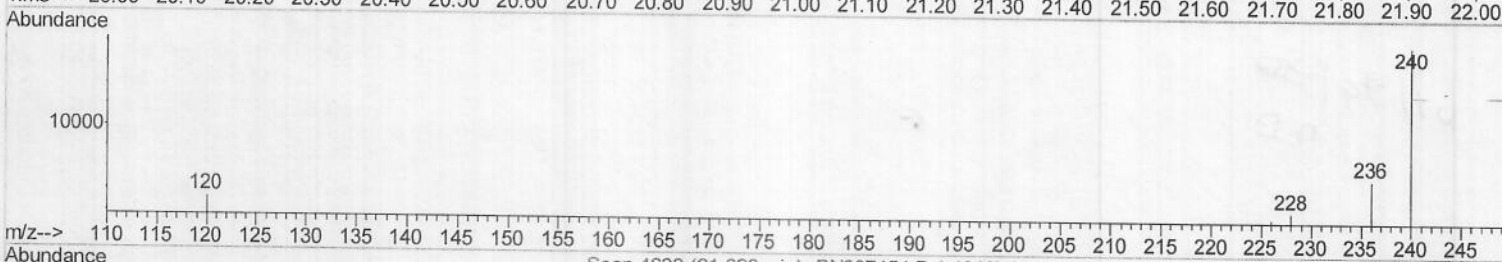
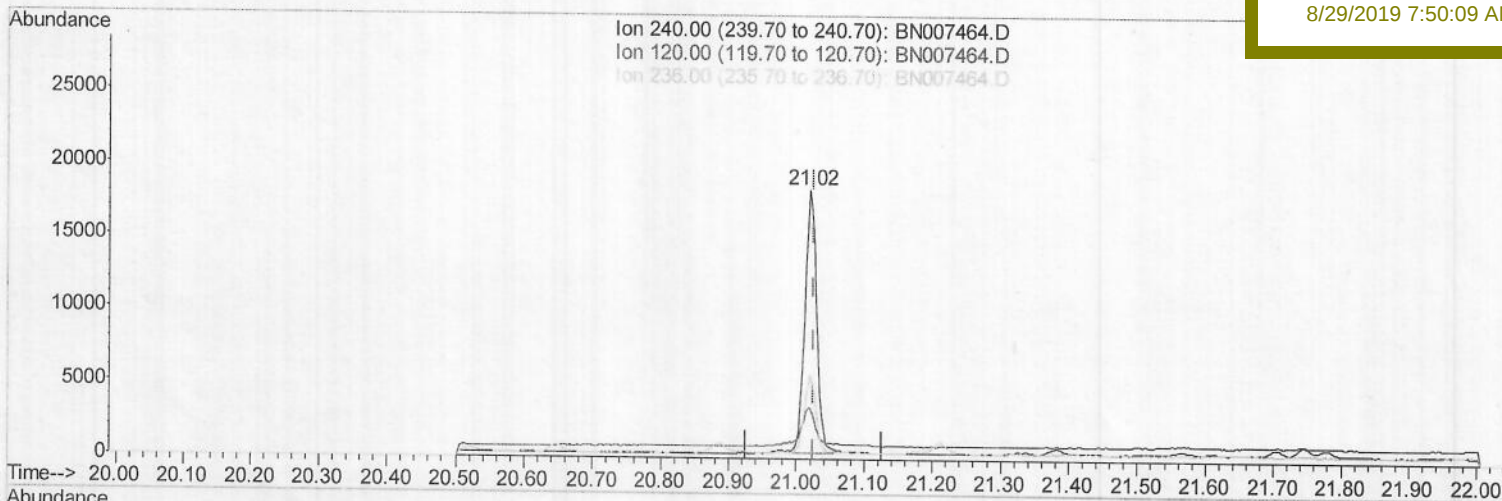
C0AB0

Manual Integrations

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8/29/2019 7:50:09 AM



(16) Chrysene-d12 (I)

21.020min (-0.006) 0.40ng/ul m) 50

response 21495

08/29/19

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	18.69#
236.00	28.60	30.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

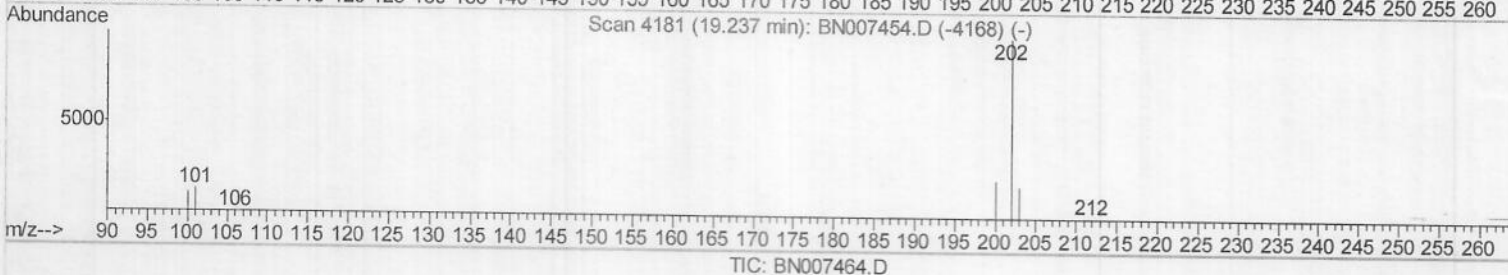
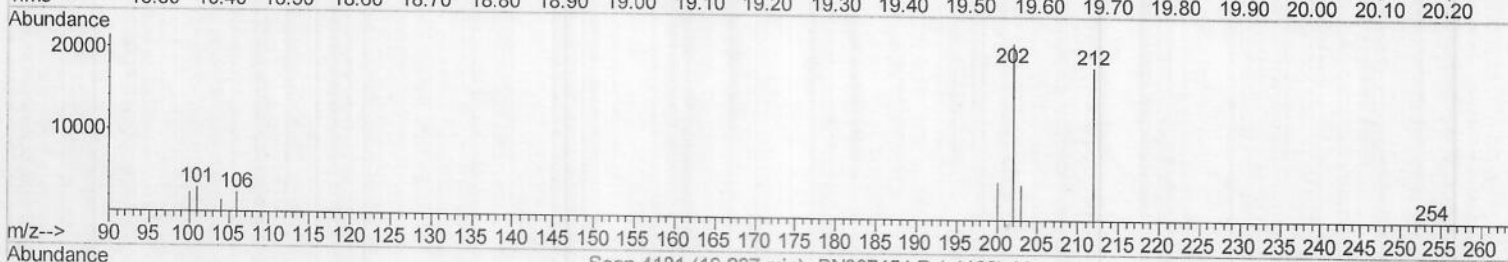
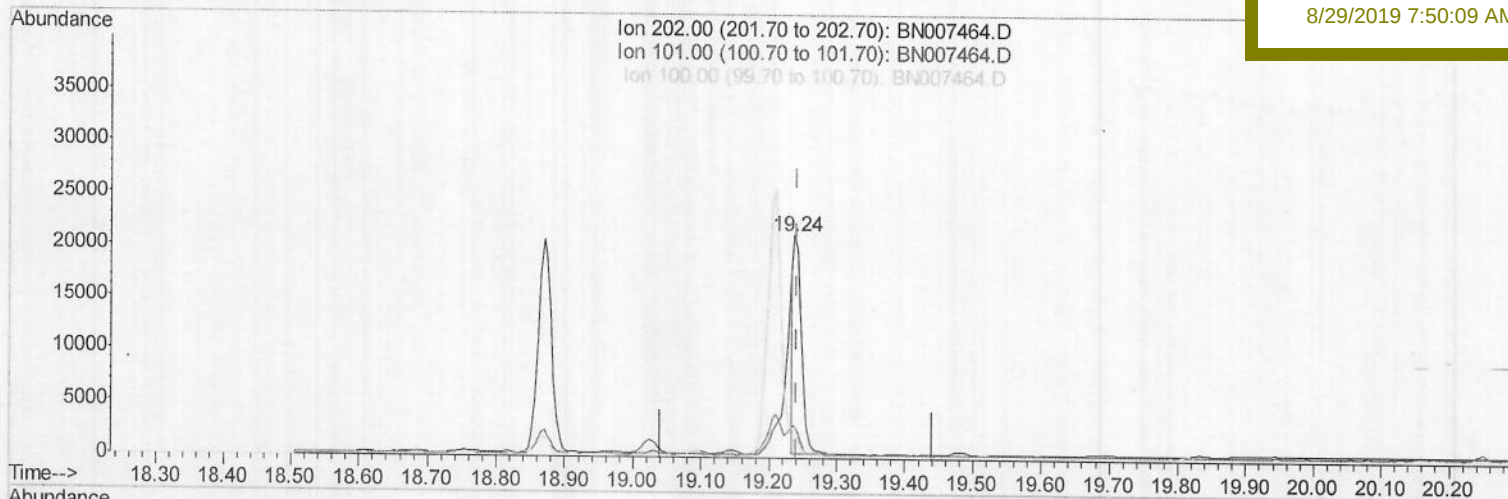
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(17) Pyrene

19.237min (-0.005) 0.17ng/ul

response 18045

Ion	Exp%	Act%
202.00	100	100
101.00	13.40	14.19
100.00	10.70	11.79
0.00	0.00	0.00

Quantitation Report (Qedit)

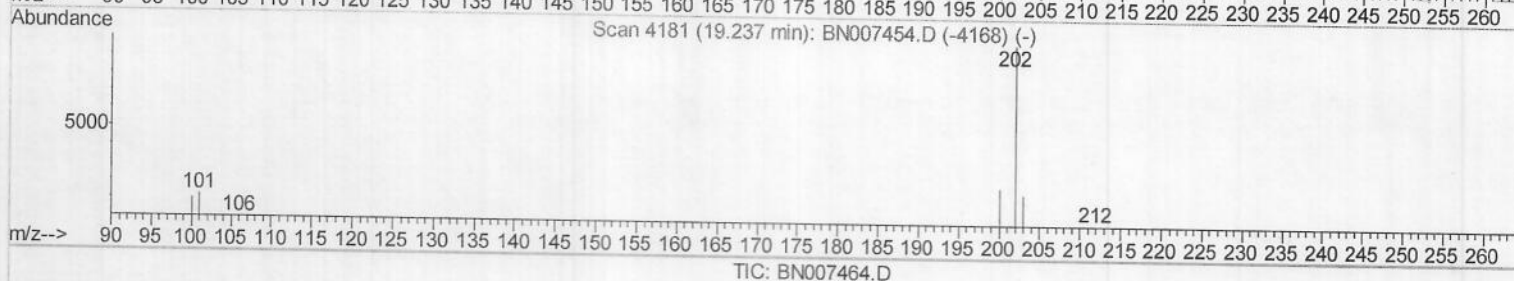
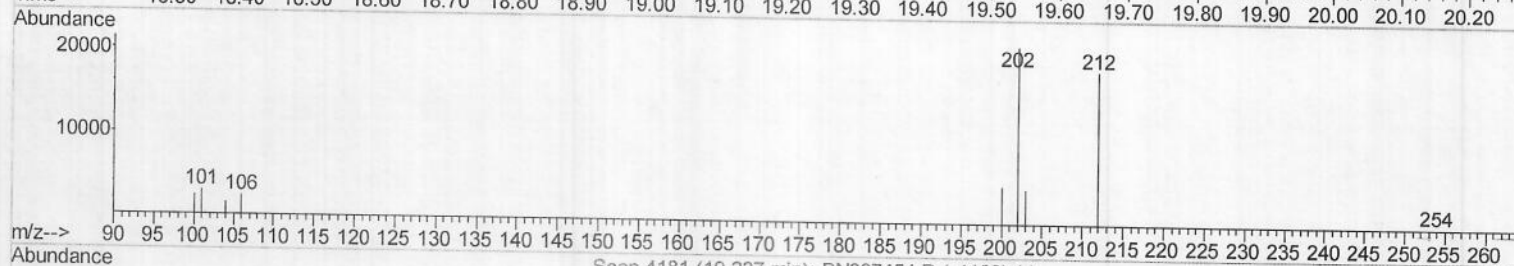
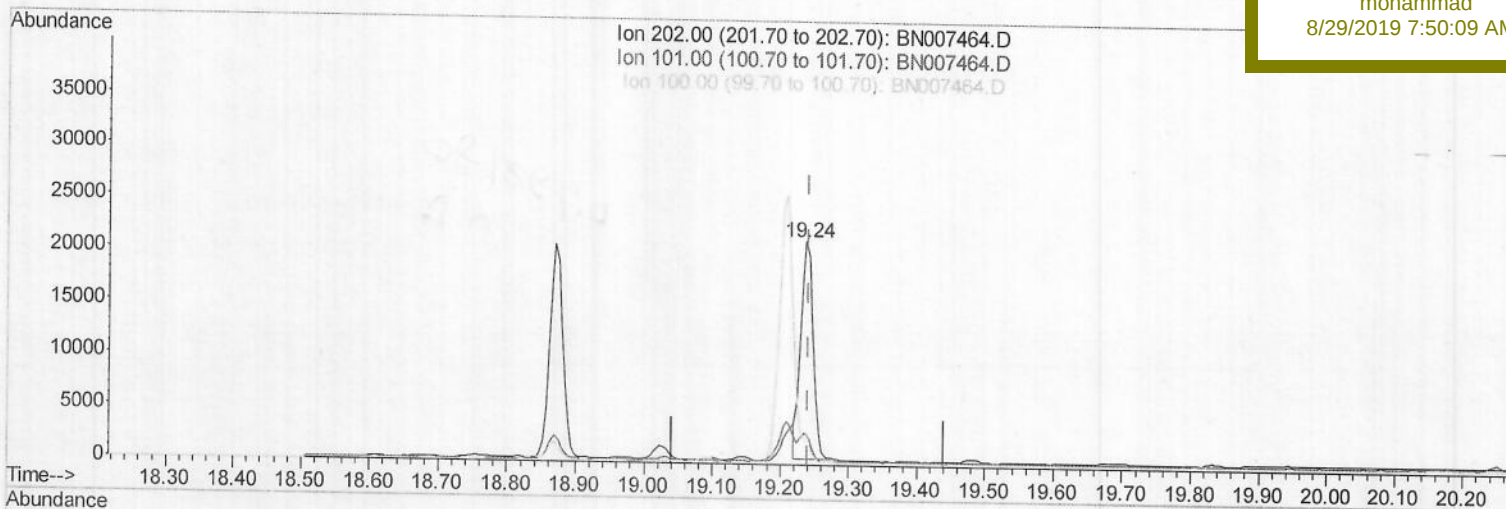
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
 Data File : BN007464.D
 Acq On : 28 Aug 2019 12:38
 Operator : HP/JU
 Sample : K4373-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 C0AB0

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:50:09 AM



(17) Pyrene

19.237min (-0.005) 0.25ng/ul m JU
 08/29/19

response 26755

Ion	Exp%	Act%
202.00	100	100
101.00	13.40	14.19
100.00	10.70	11.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

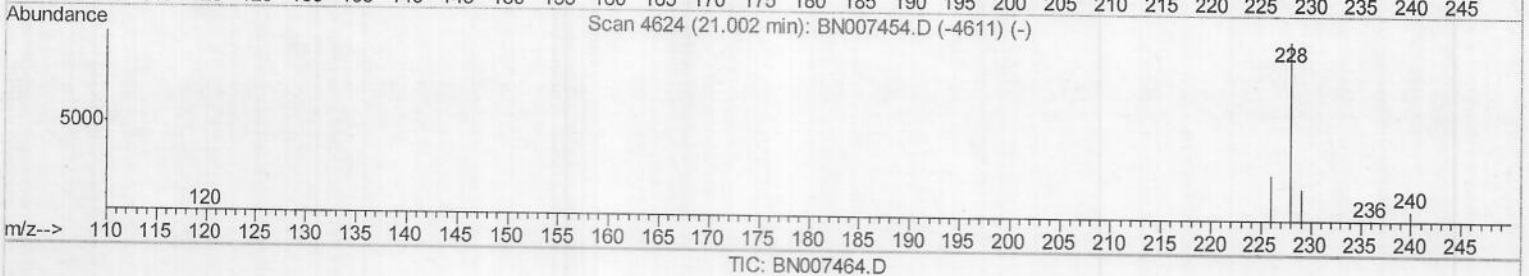
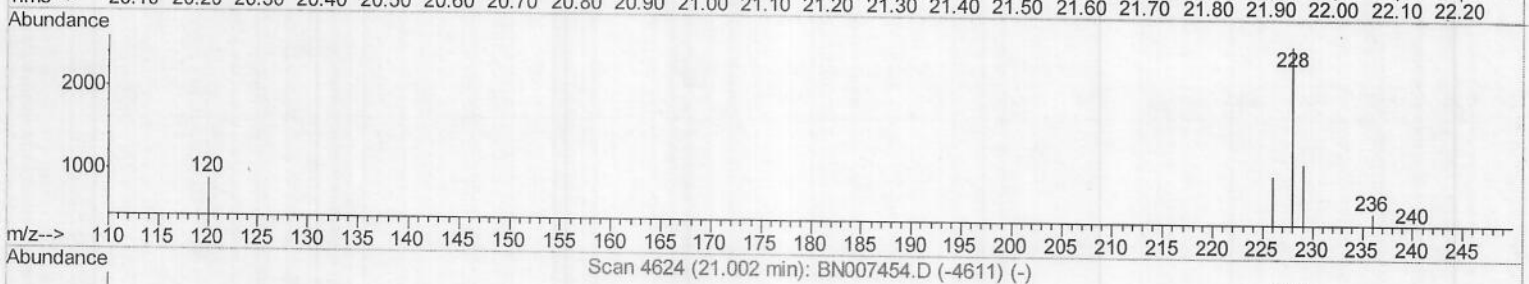
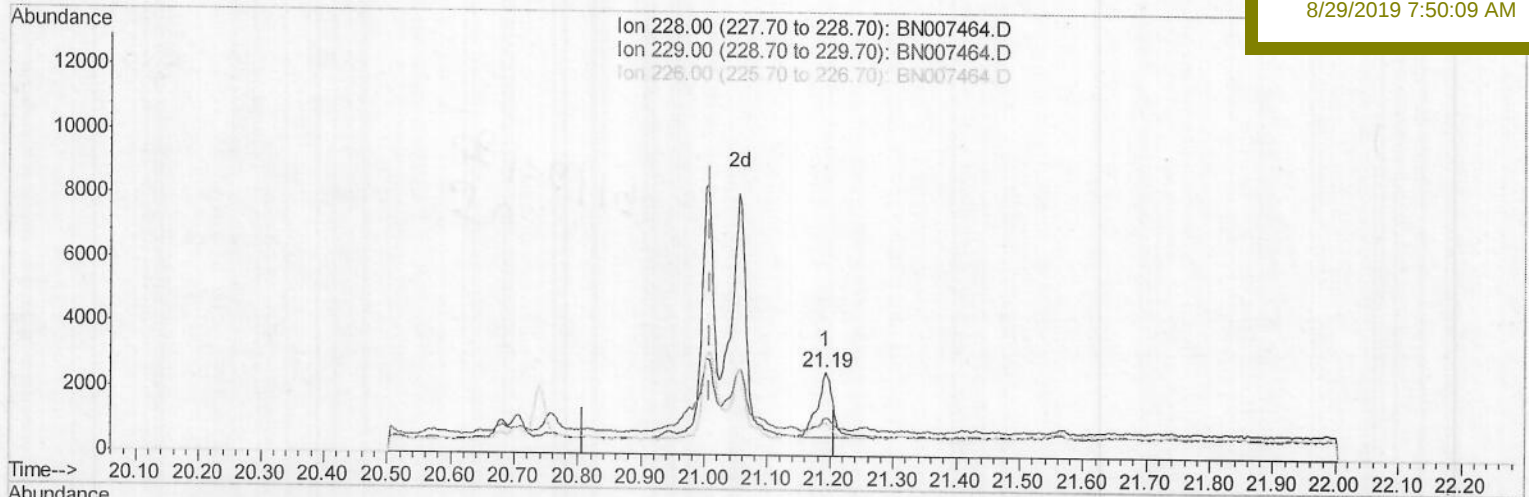
C0AB0

Manual Integrations

APPROVED

mohammad

8/29/2019 7:50:09 AM



(18) Benzo(a)anthracene

21.192min (+0.184) 0.04ng/ul

response 3542

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	45.08#
226.00	27.50	39.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

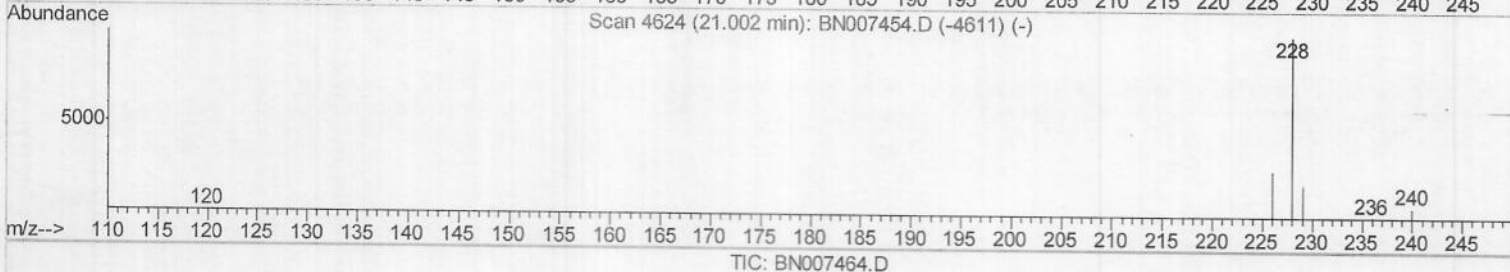
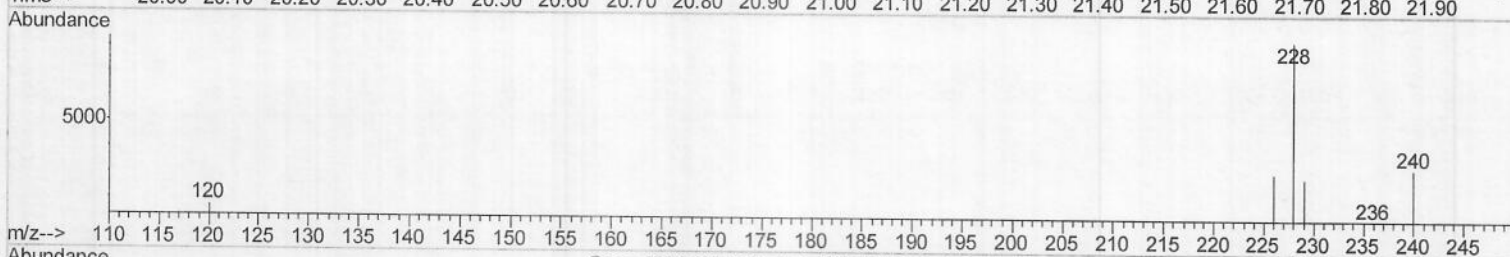
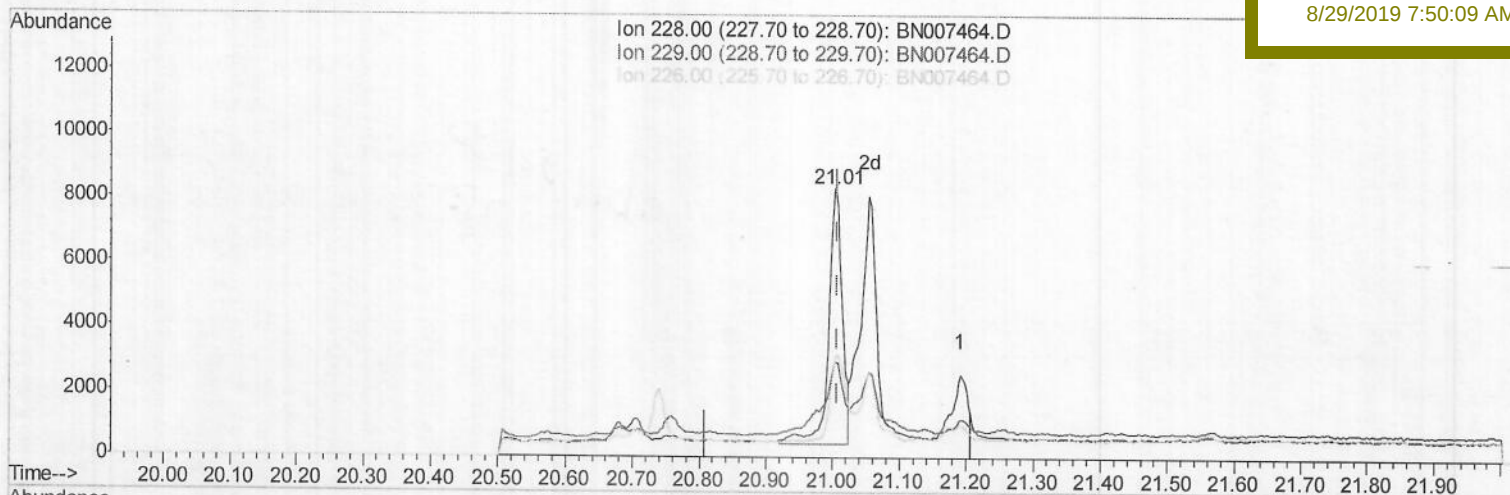
C0AB0

Manual Integrations

APPROVED

mohammad

8/29/2019 7:50:09 AM



(18) Benzo(a)anthracene

21.005min (-0.003) 0.12ng/ul m

response 11131

Ion Exp% Act%

228.00 100 100

229.00 19.30 35.62#

226.00 27.50 37.75#

0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

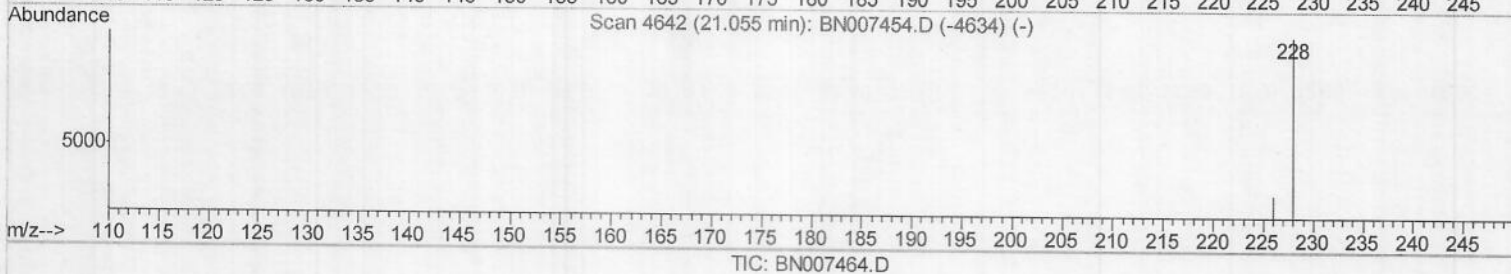
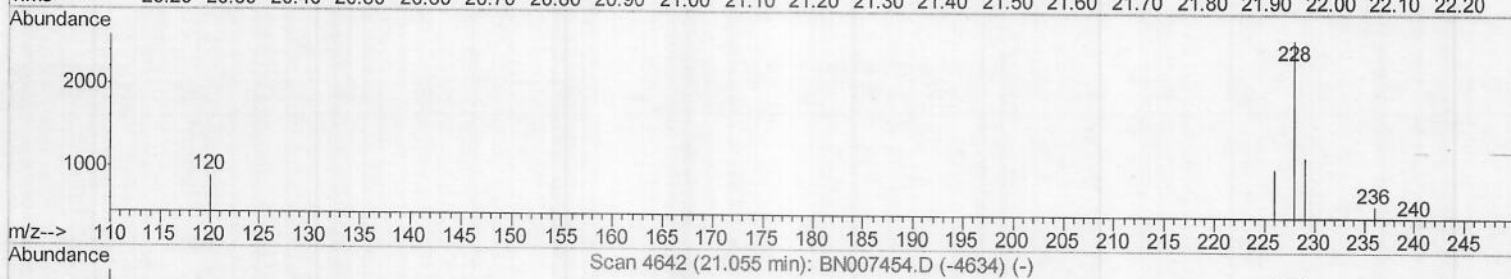
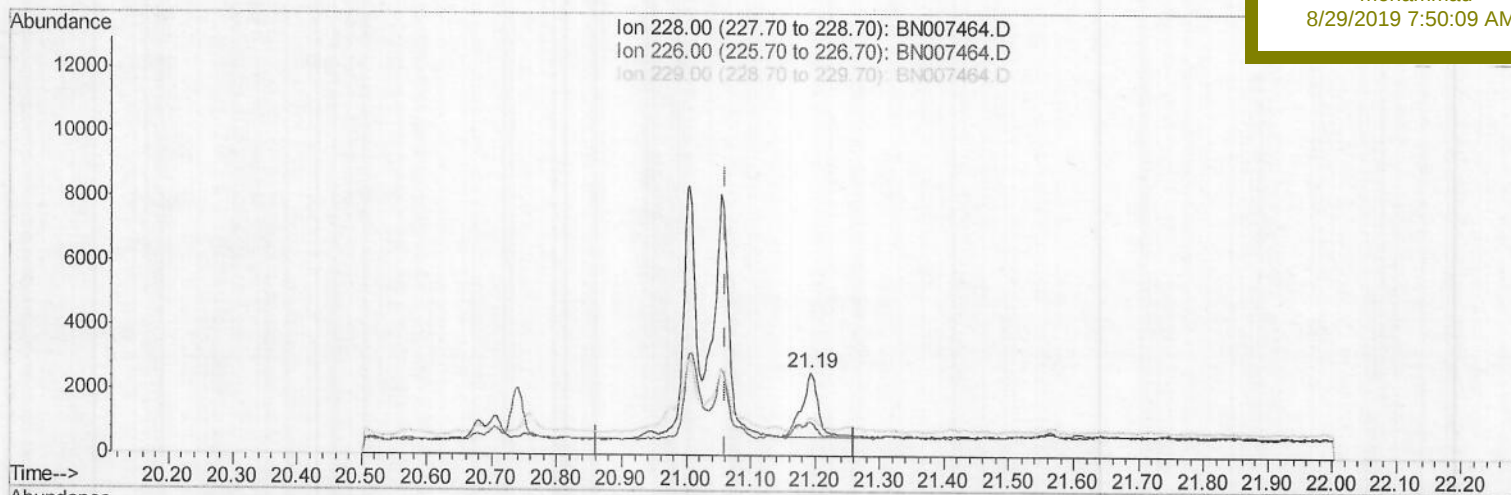
C0AB0

Manual Integrations

APPROVED

mohammad

8/29/2019 7:50:09 AM



(19) Chrysene

21.192min (+0.131) 0.03ng/ul

response 3542

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	39.59#
229.00	20.10	45.08#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

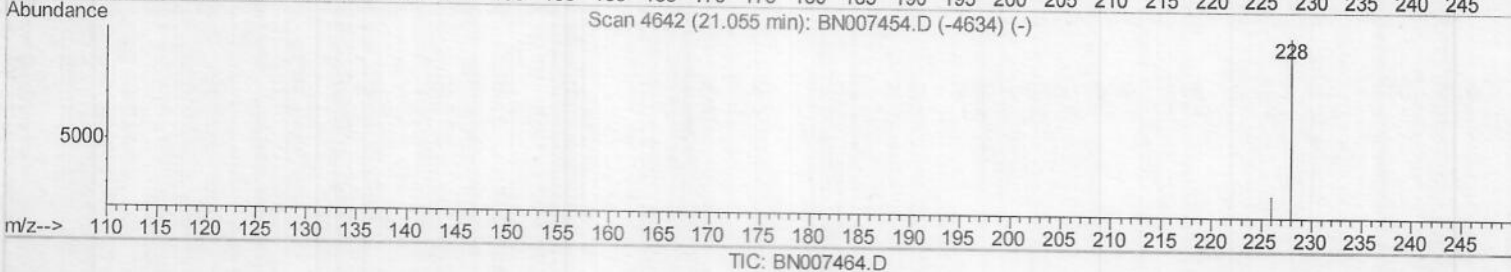
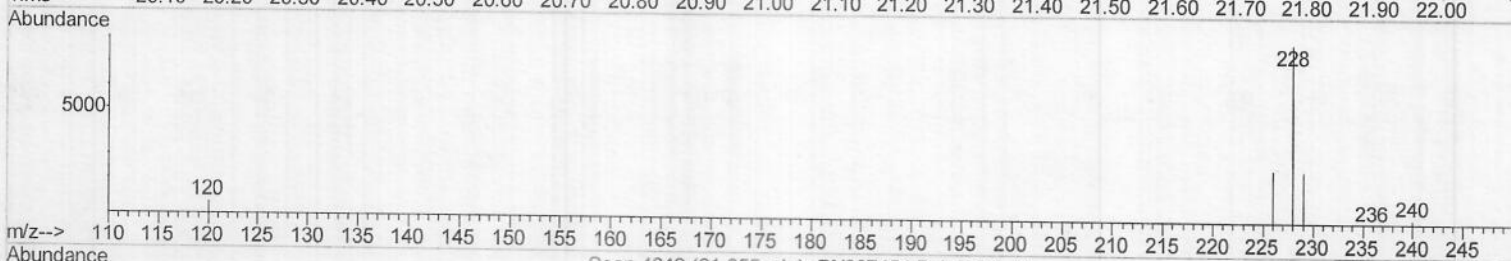
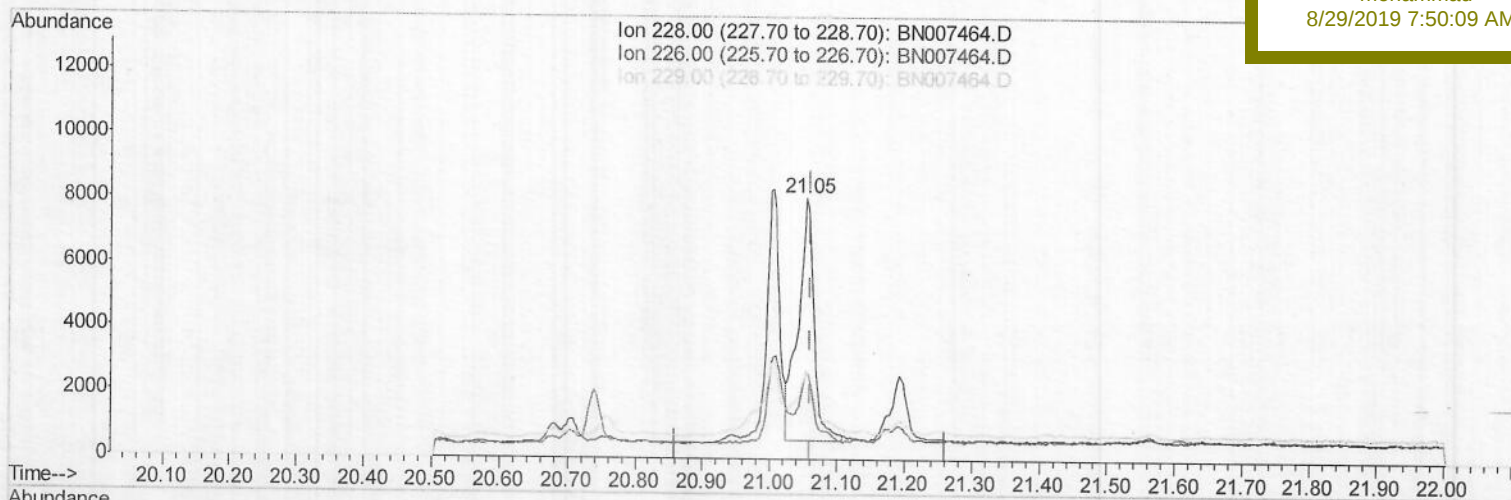
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(19) Chrysene

21.055min (-0.006) 0.12ng/ul m

response 12376

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	33.29
229.00	20.10	32.76#
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

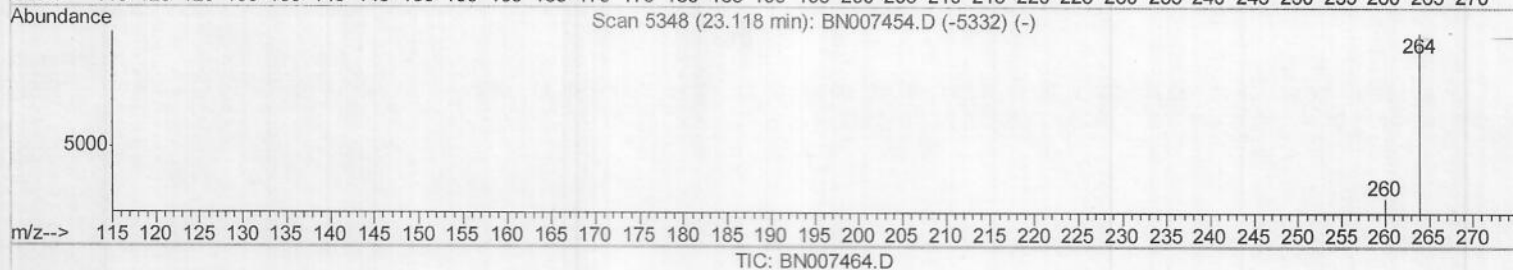
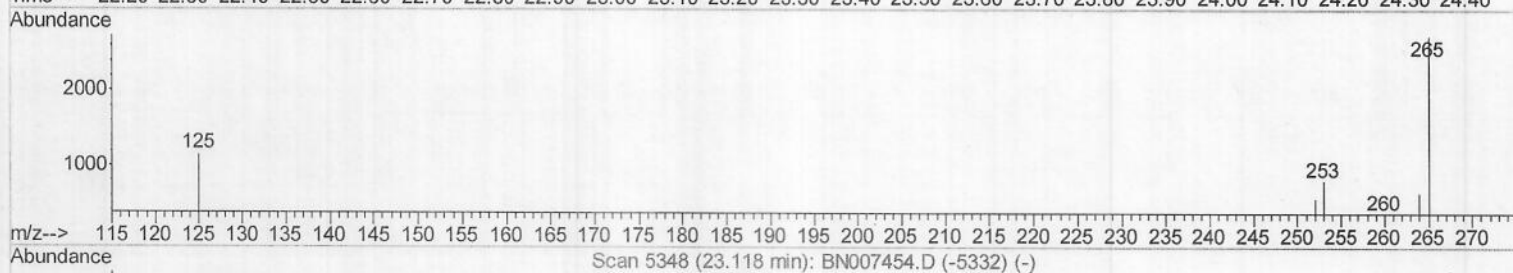
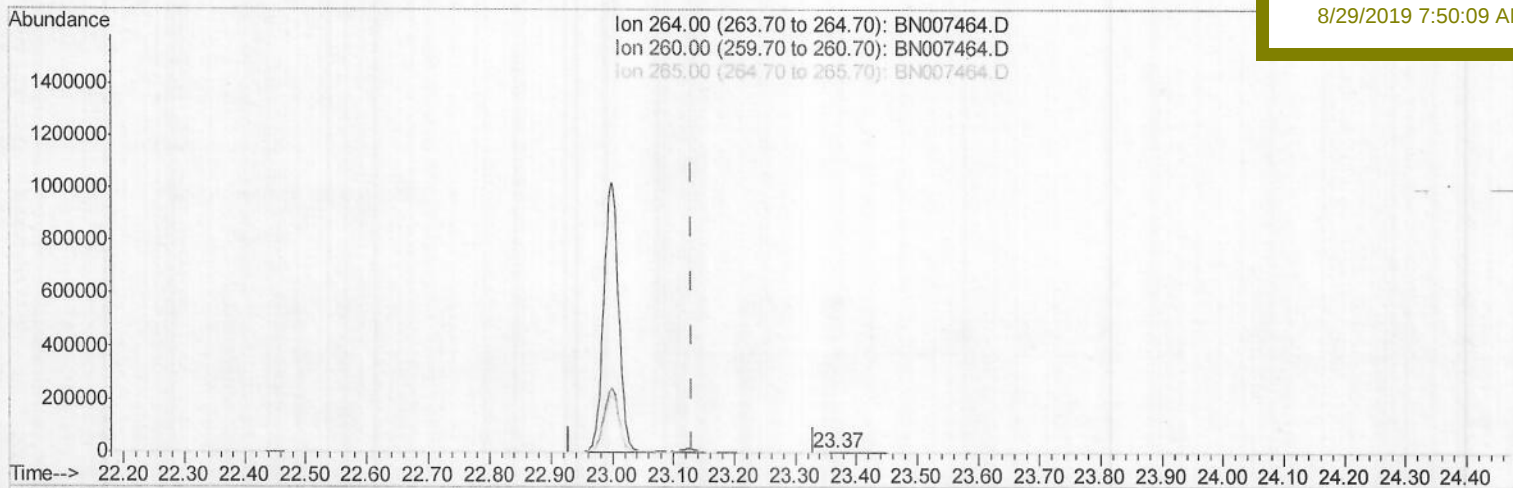
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(20) Perylene-d12 (I)

23.366min (+0.237) 0.40ng/ul

response 928

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	57.12#
265.00	35.80	427.70#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:25:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

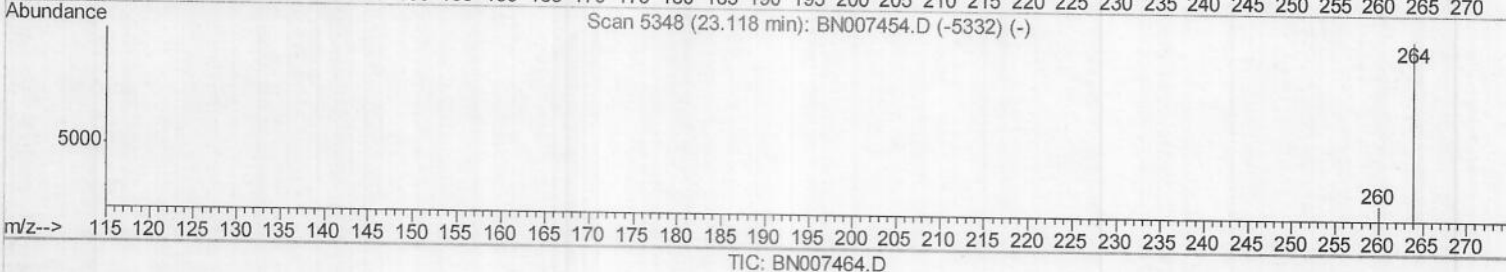
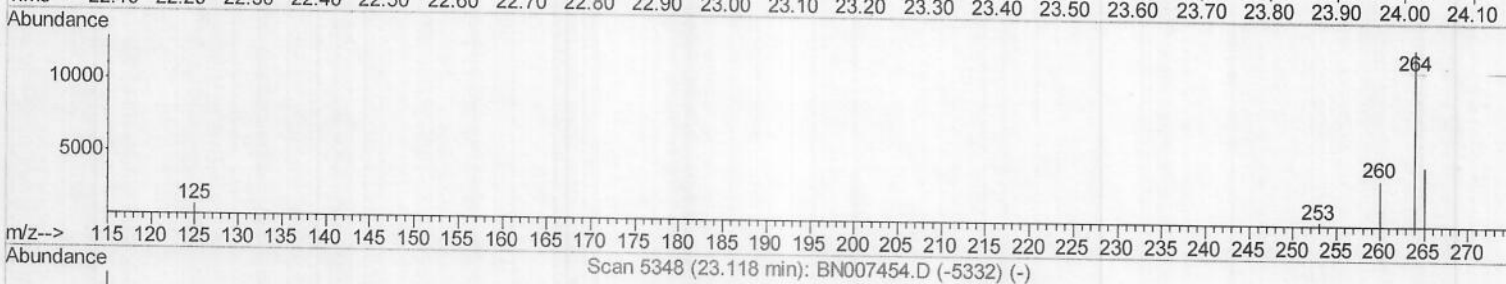
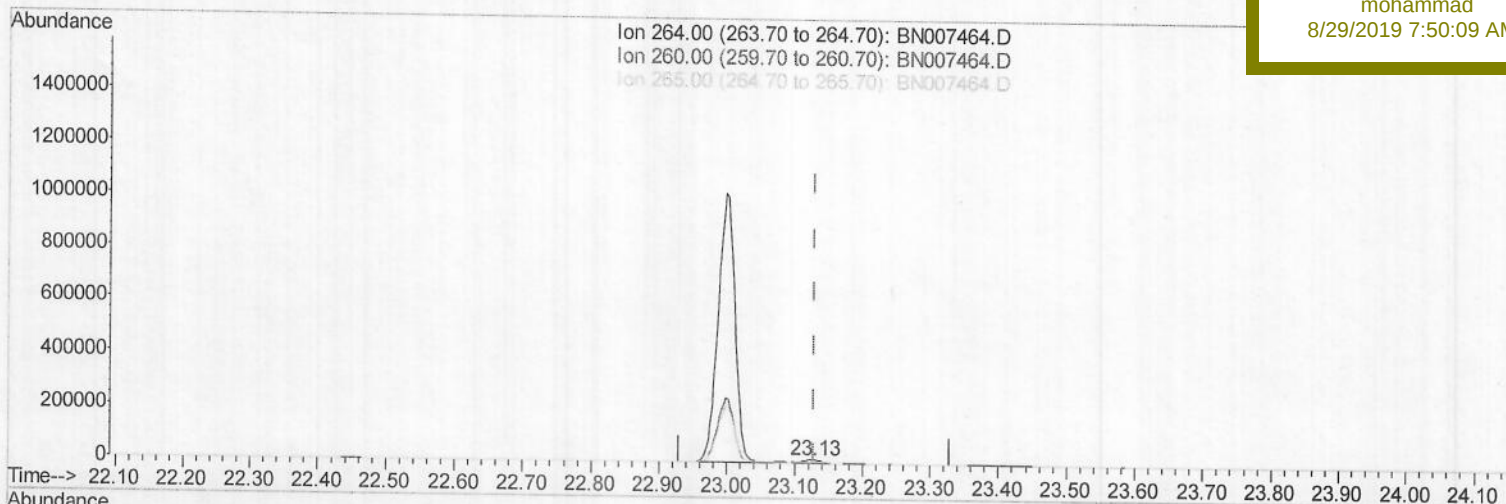
C0AB0

Manual Integrations

APPROVED

mohammad

8/29/2019 7:50:09 AM



(20) Perylene-d12 (I)

23.127min (-0.003) 0.40ng/ul m

response 18881

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	29.21
265.00	35.80	36.60
0.00	0.00	0.00

JU
08/29/19

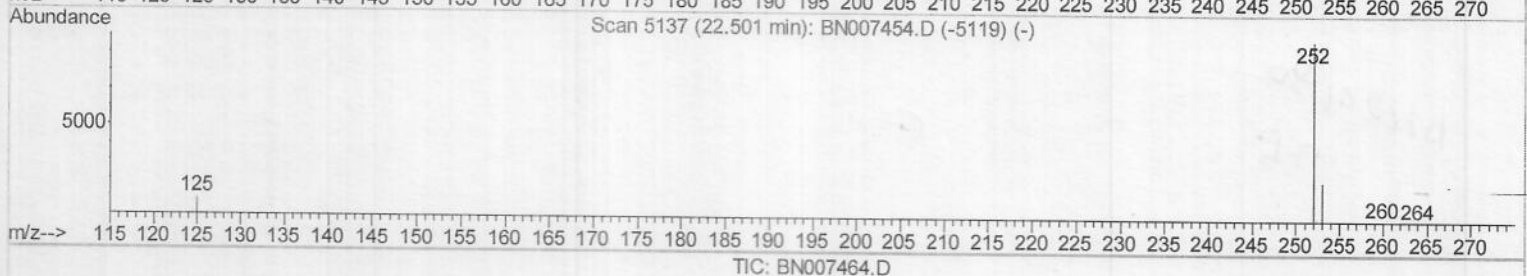
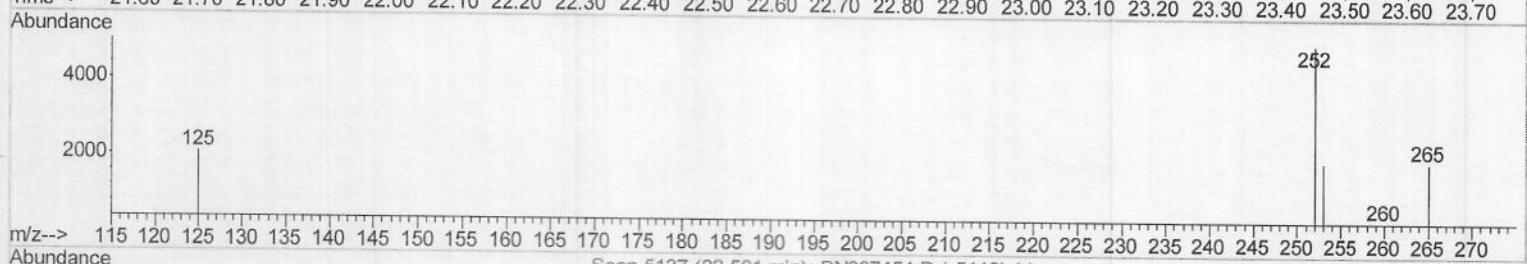
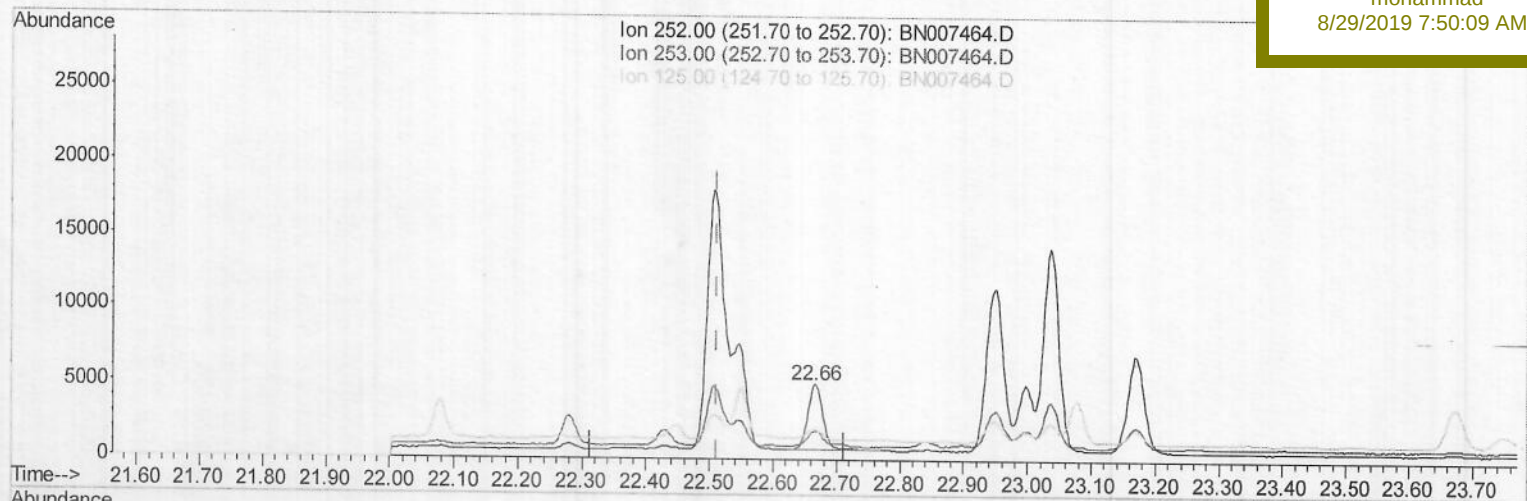
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AB0

Manual Integrations
APPROVED

mohammad
8/29/2019 7:50:09 AM



(21) Benzo(b)fluoranthene
22.665min (+0.152) 0.09ng/ul
response 7510

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	38.36
125.00	12.40	40.94#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

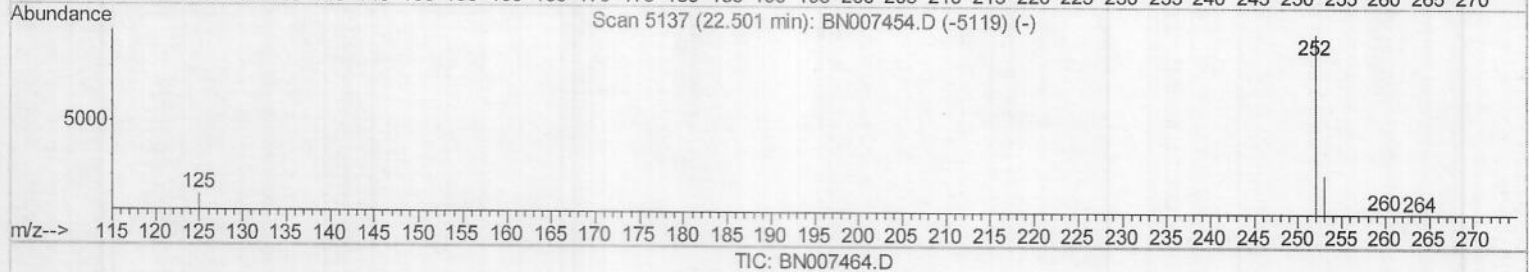
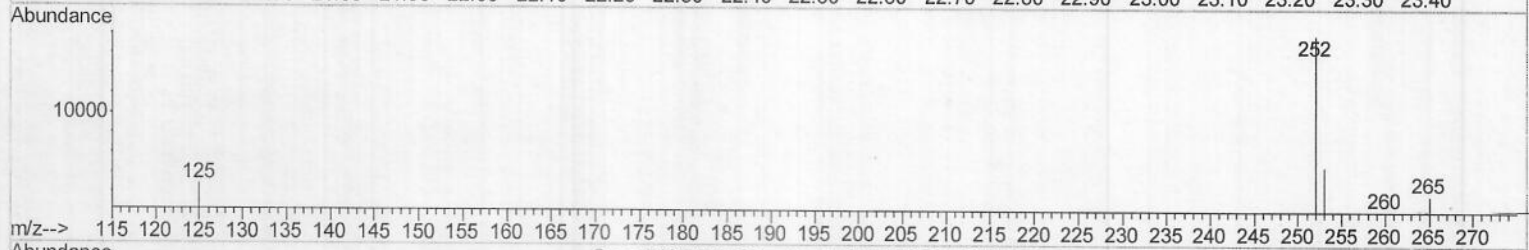
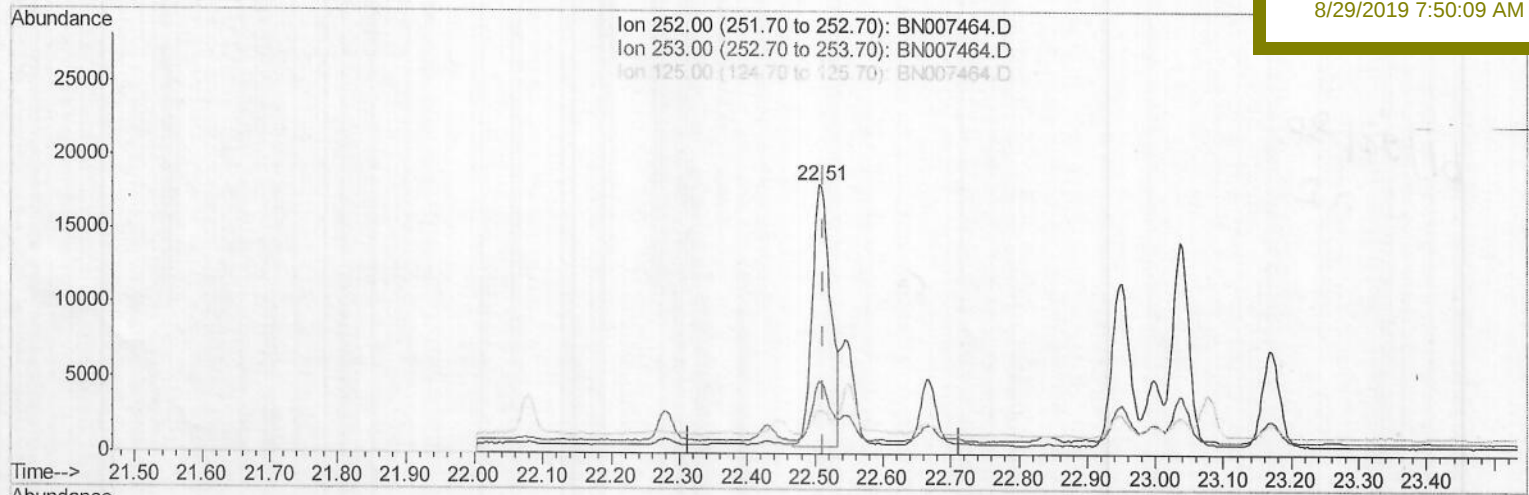
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(21) Benzo(b)fluoranthene

22.507min (-0.006) 0.40ng/ul m
response 32695
08/24/19

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	26.75
125.00	12.40	15.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

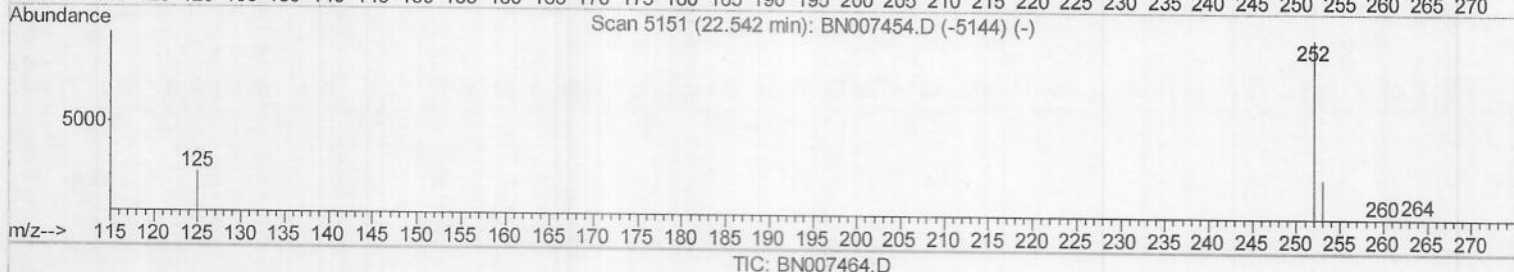
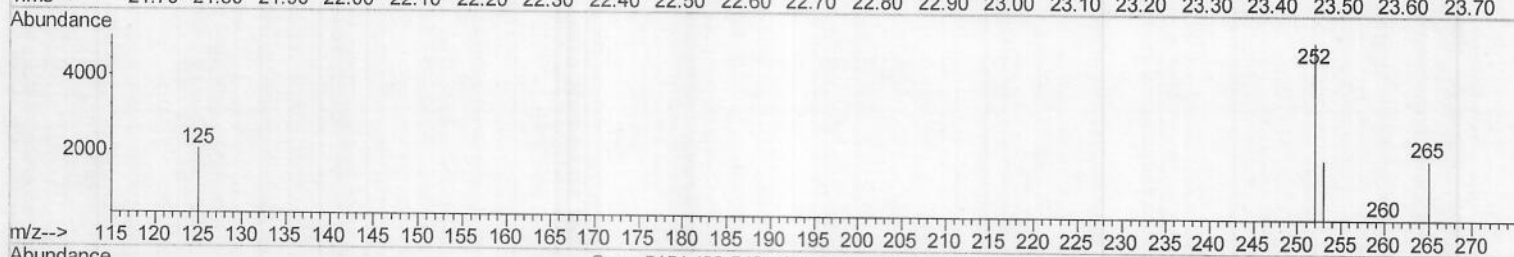
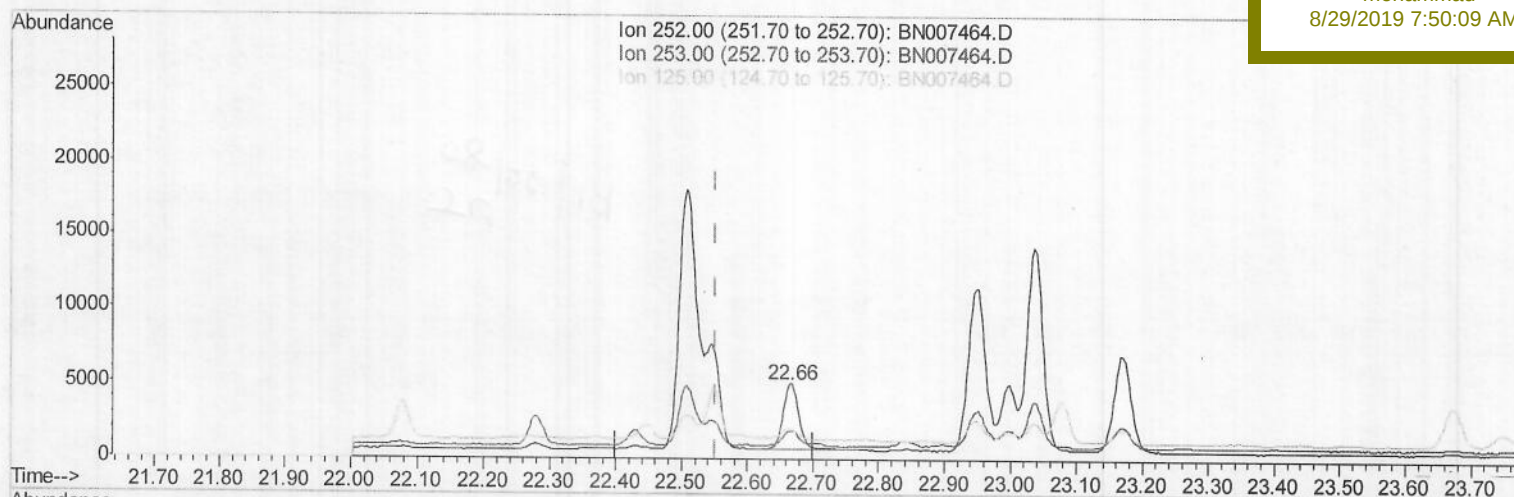
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(22) Benzo(k)fluoranthene

22.665min (+0.114) 0.09ng/ul

response 7469

Ion	Exp%	Act%
252.00	100	100
253.00	23.40	38.36#
125.00	15.50	40.94#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

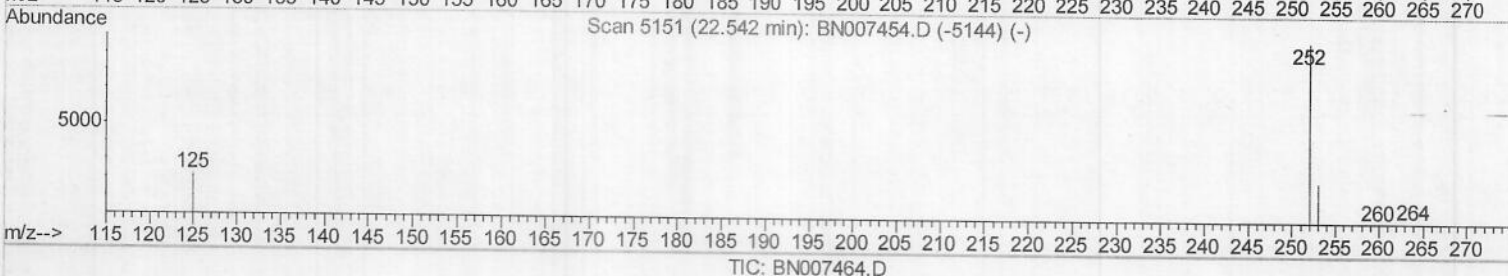
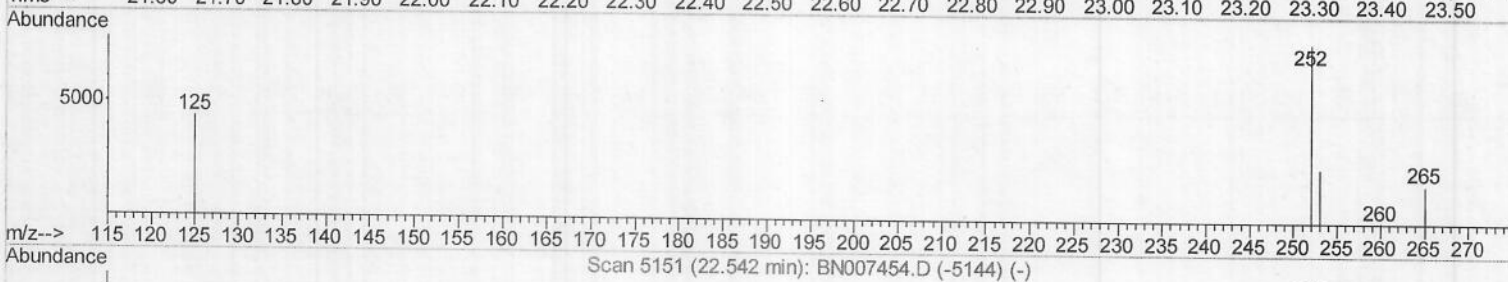
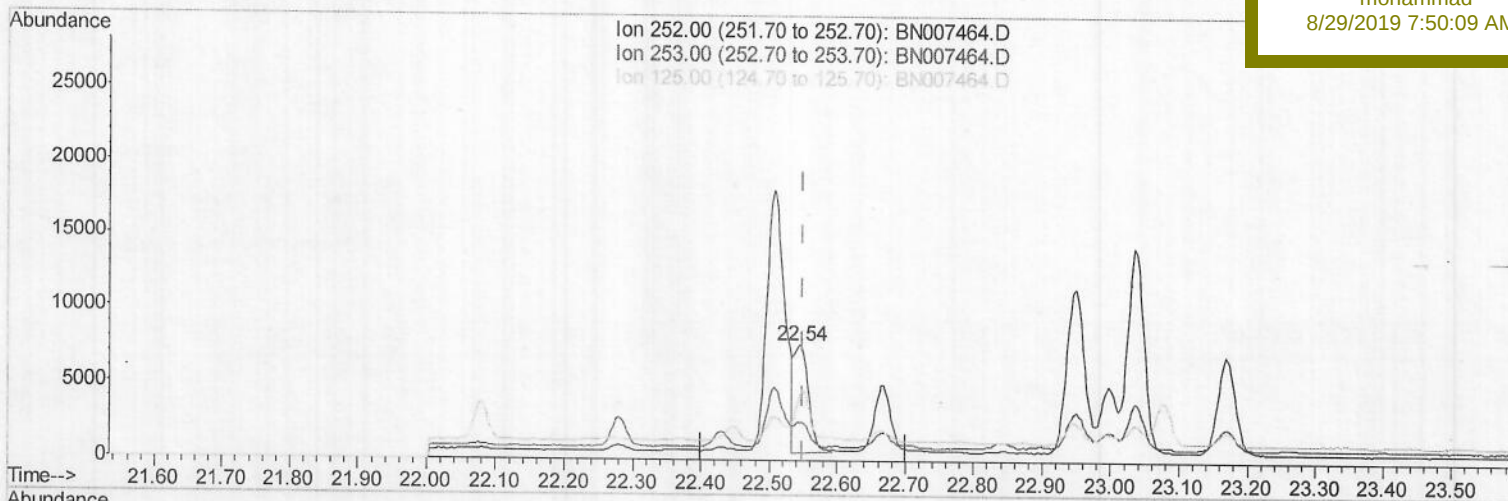
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(22) Benzo(k)fluoranthene

22.545min (-0.006) 0.12ng/ul m

response 10687

Ion	Exp%	Act%
252.00	100	100
253.00	23.40	33.47#
125.00	15.50	57.45#
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

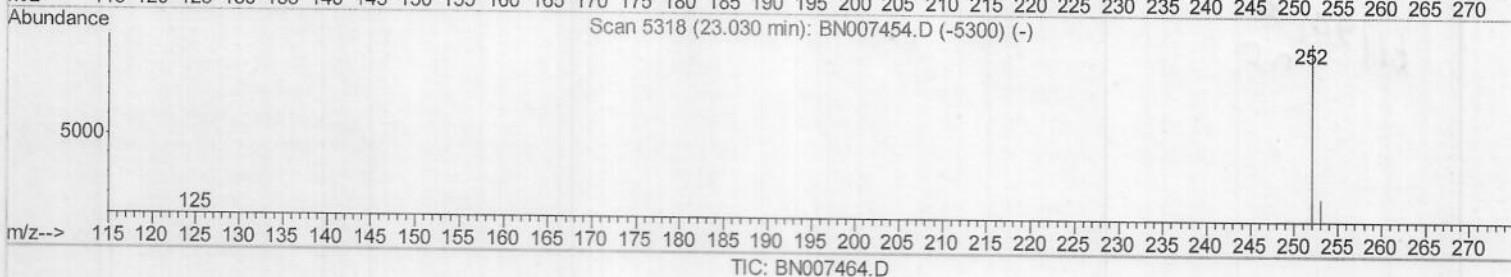
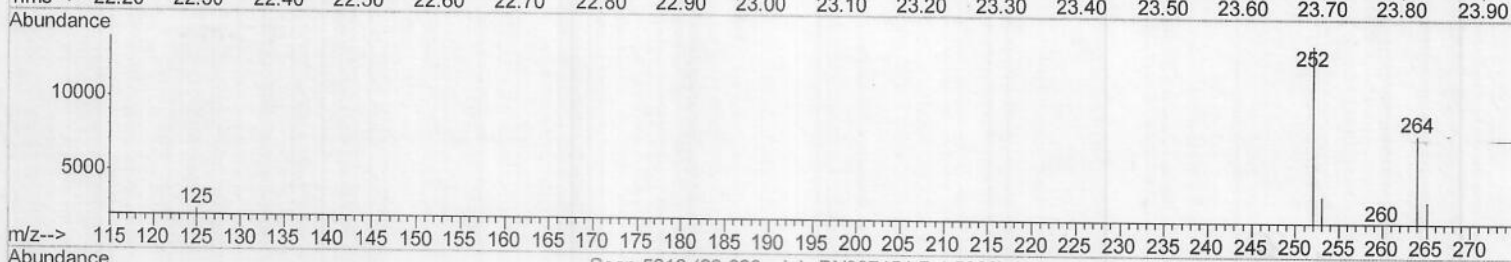
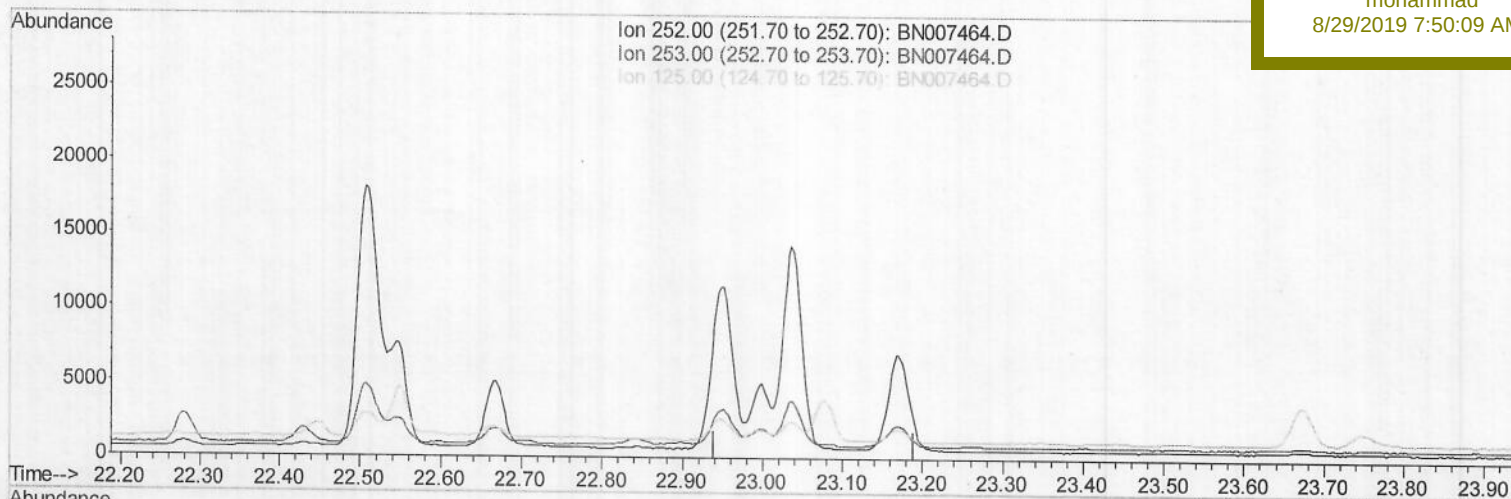
C0AB0

Manual Integrations

APPROVED

mohammad

8/29/2019 7:50:09 AM



(23) Benzo(a)pyrene (C)

23.039min (-23.039) 0.00ng/ul

response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	23.80	0.00#
125.00	14.00	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

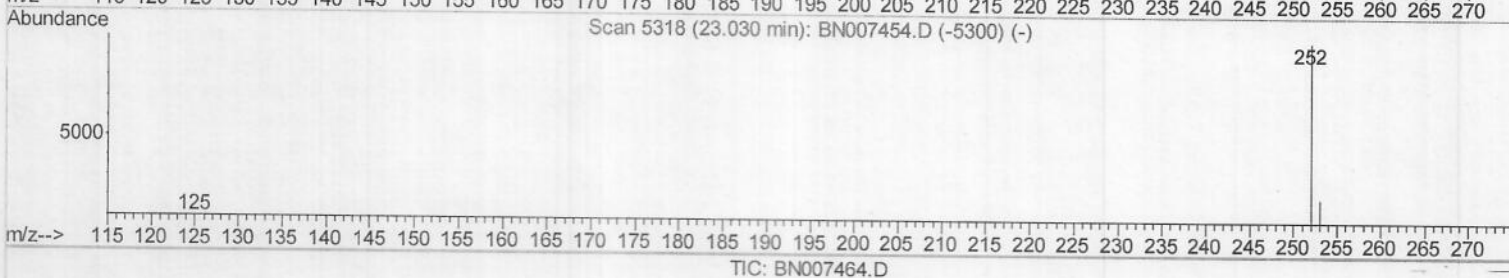
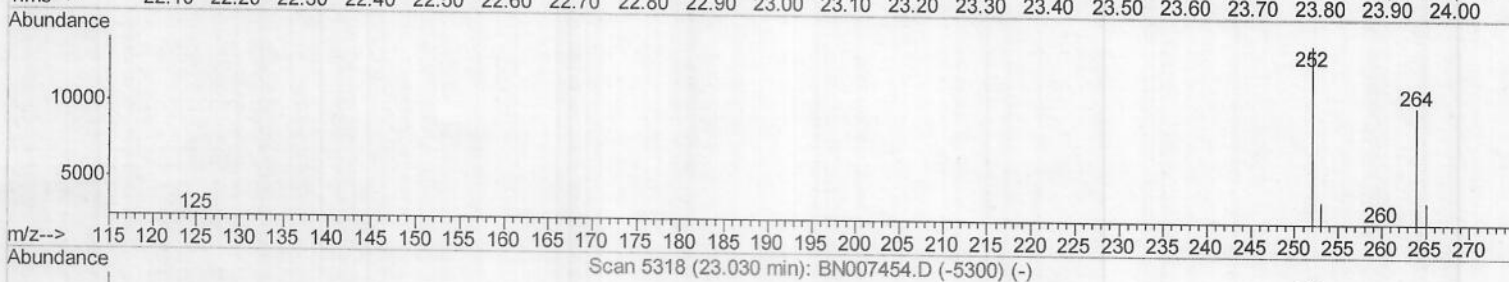
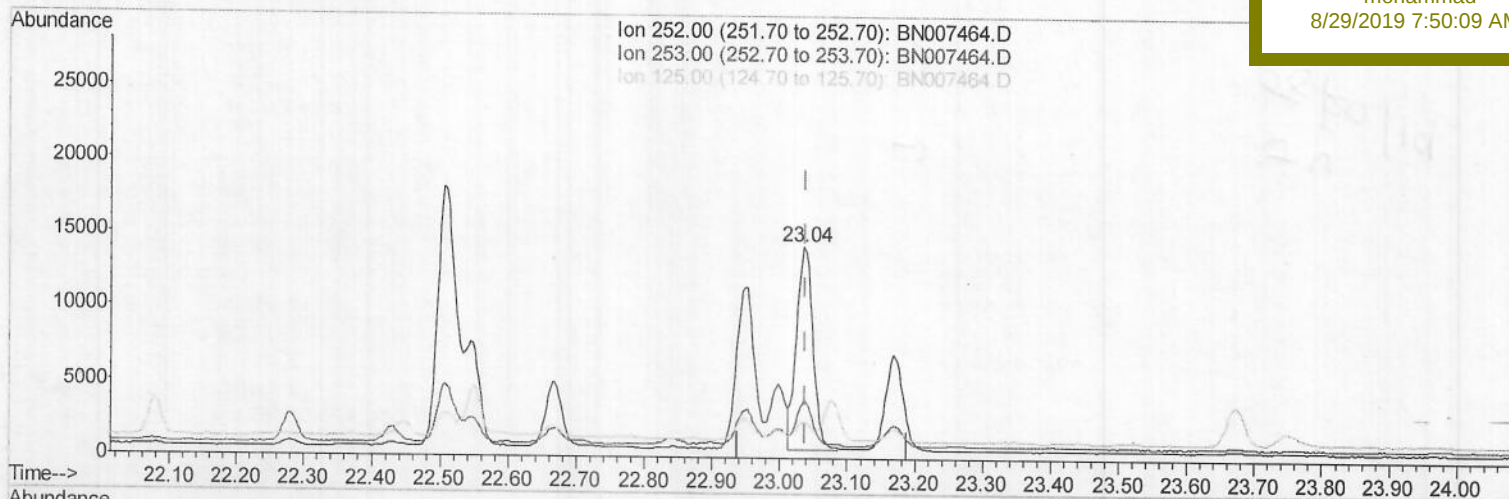
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:09 AM

(23) Benzo(a)pyrene (C)

23.036min (-0.003) 0.28ng/ul m

response 22848

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	27.21
125.00	14.00	17.50#
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

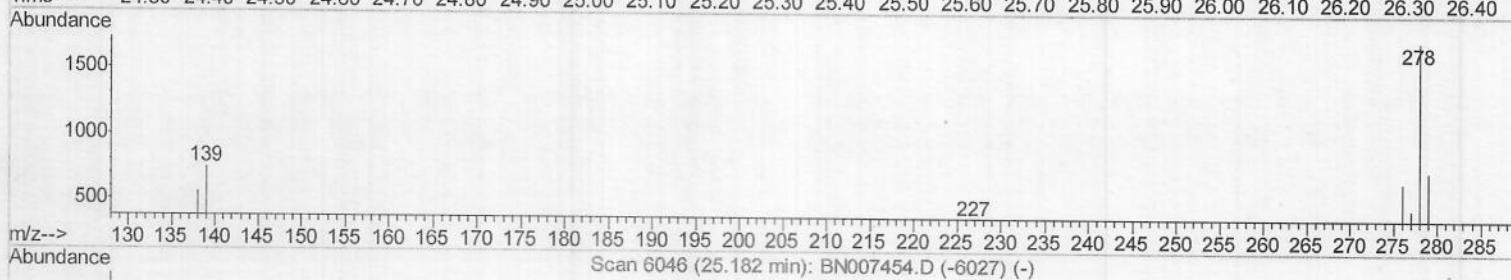
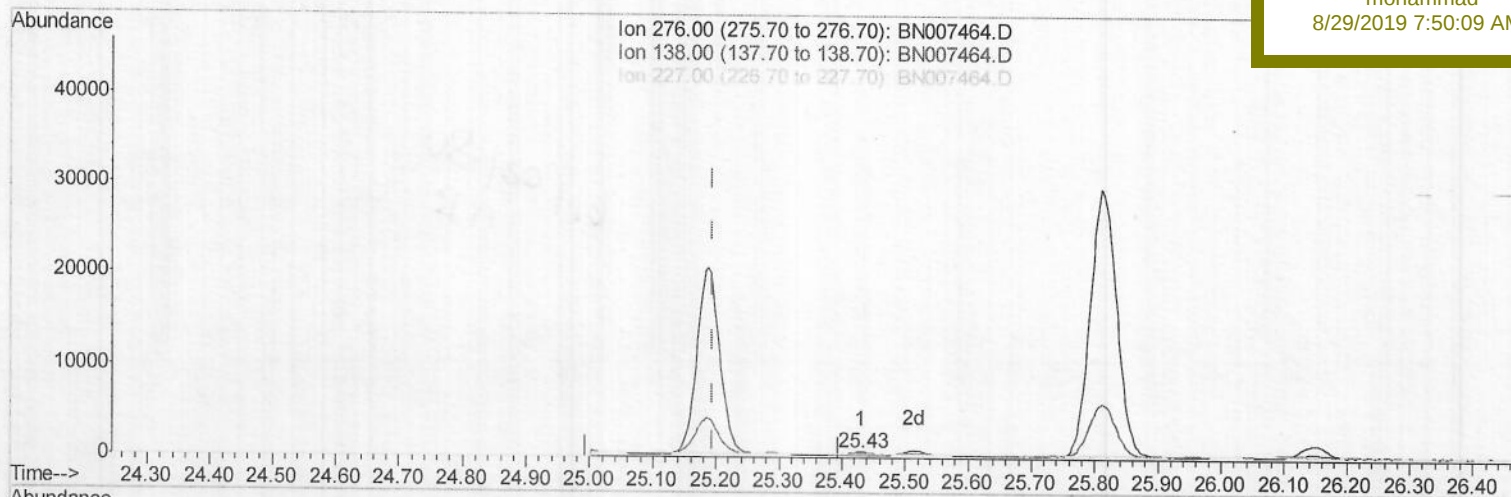
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

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

25.430min (+0.235) 0.01ng/ul

response 1142

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	49.04#
227.00	0.10	2.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

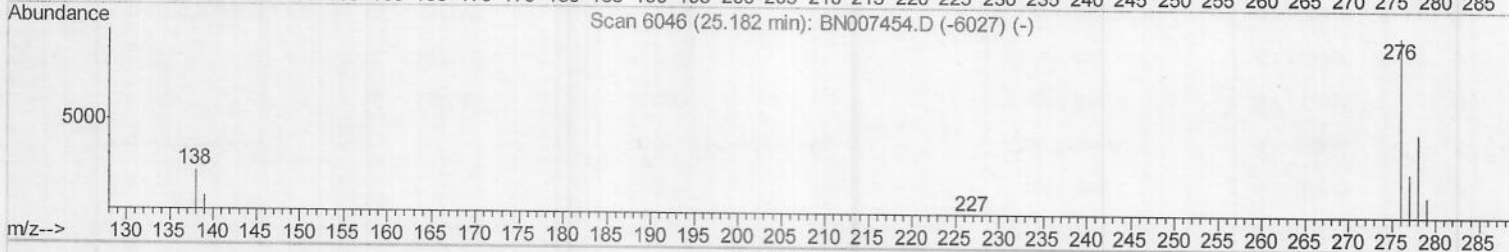
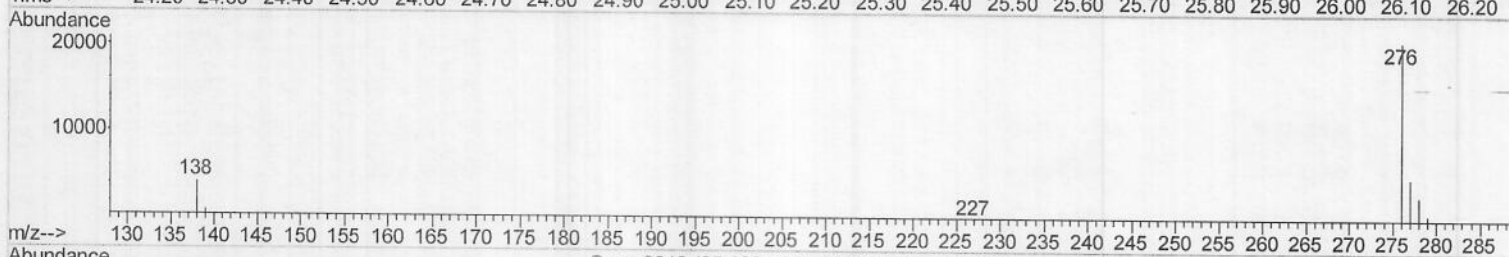
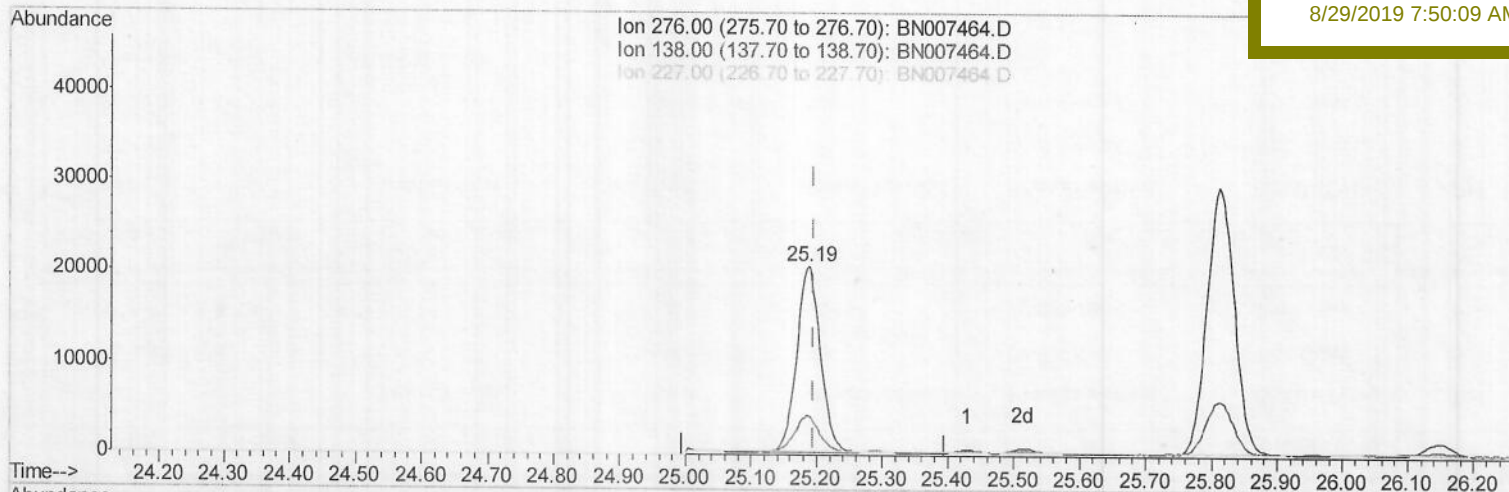
C0AB0

Manual Integrations

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TIC: BN007464.D

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

25.188min (-0.007) 0.56ng/ul m

response 51293

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	1.09#
227.00	0.10	0.07#
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

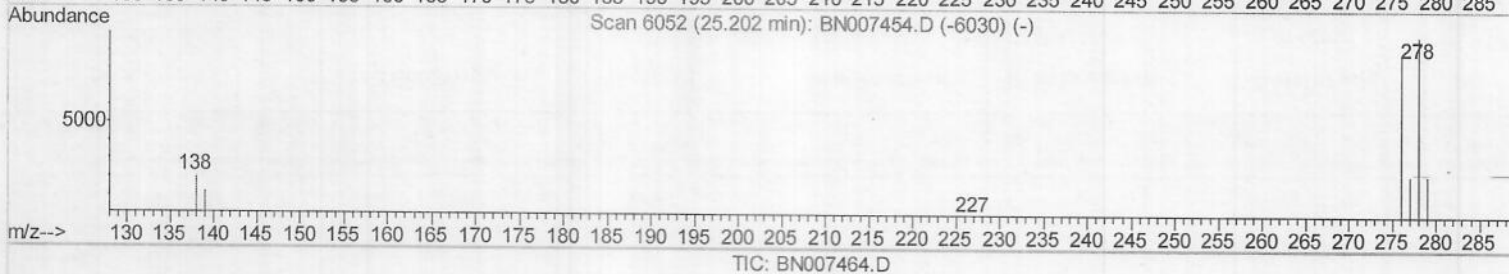
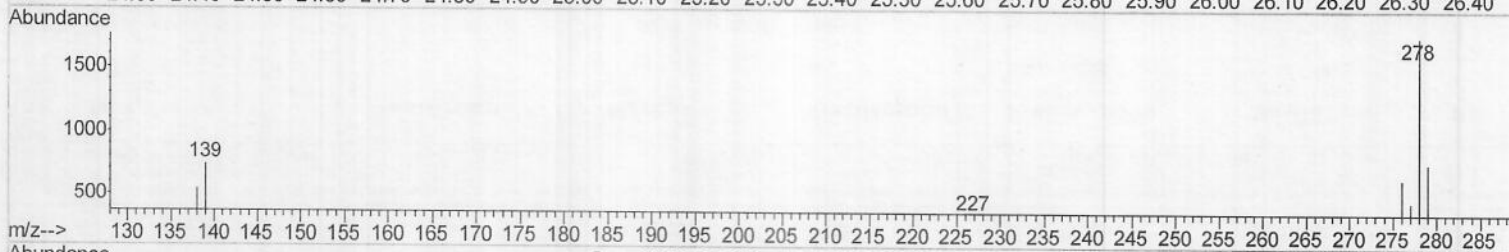
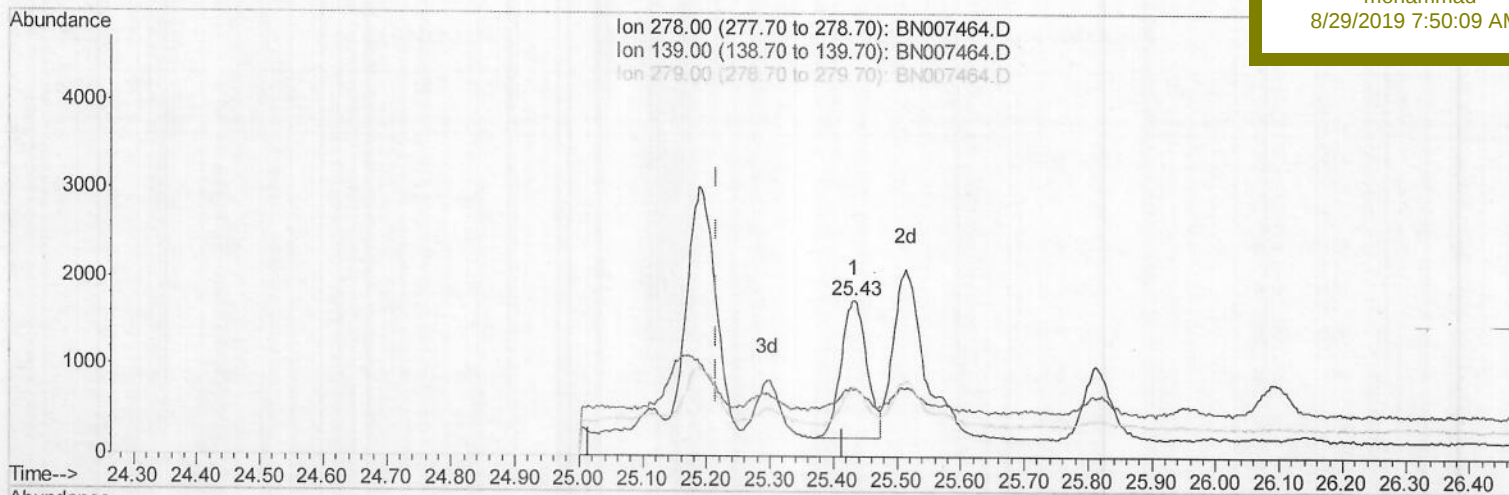
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AB0

Manual Integrations
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8/29/2019 7:50:09 AM

(25) Dibenzo(a,h)anthracene

25.433min (+0.218) 0.06ng/ul

response 4357

Ion	Exp%	Act%
278.00	100	100
139.00	18.20	42.34#
279.00	24.80	43.65#
0.00	0.00	0.00

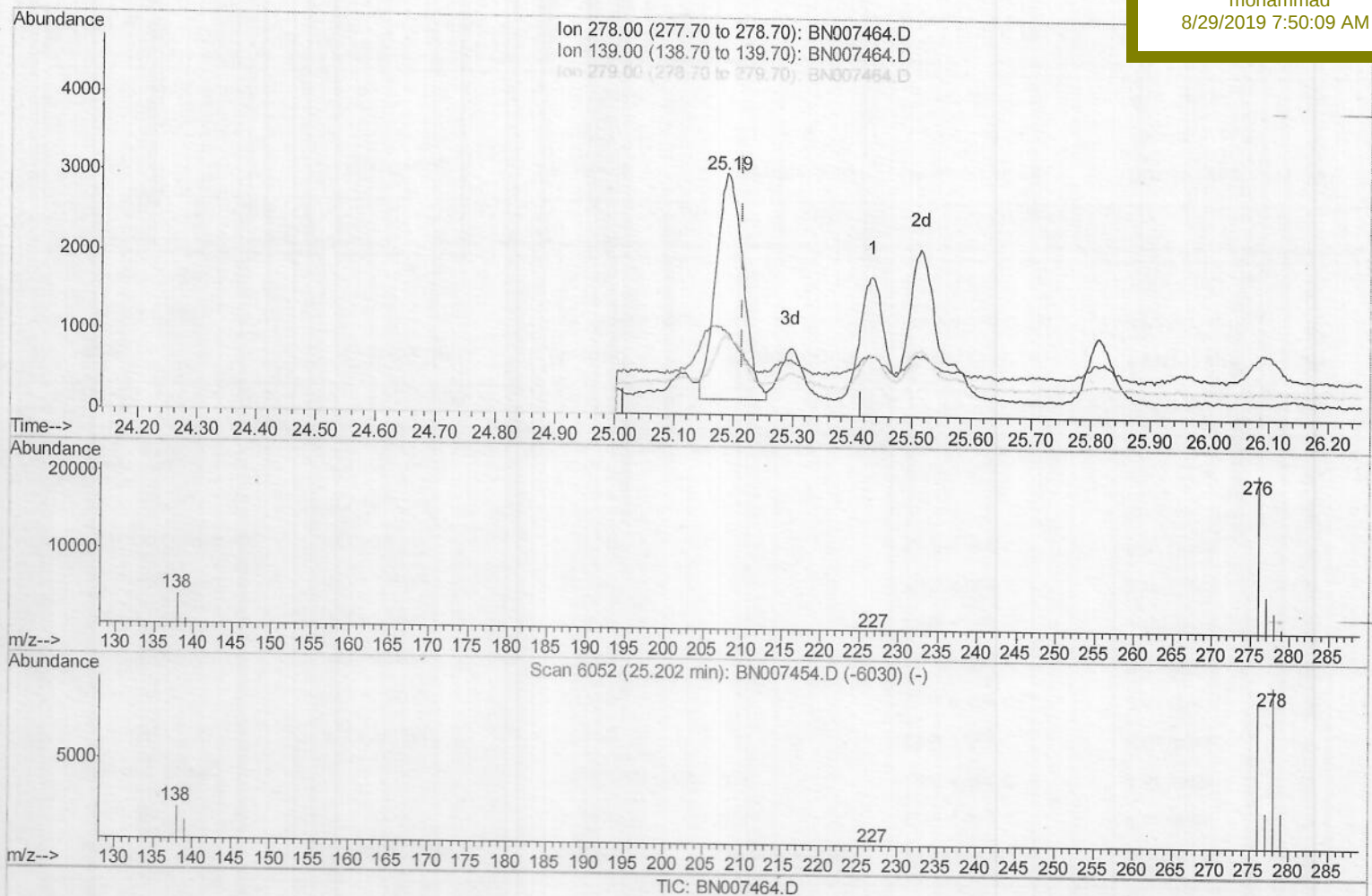
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007464.D
Acq On : 28 Aug 2019 12:38
Operator : HP/JU
Sample : K4373-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
Client Sampled :
C0AB0

Manual Integrations
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8/29/2019 7:50:09 AM



(25) Dibenzo(a,h)anthracene

25.188min (-0.027) 0.12ng/ul m

response 8986

Ion	Exp%	Act%
278.00	100	100
139.00	18.20	34.27#
279.00	24.80	32.68#
0.00	0.00	0.00

JU
08/28/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007464.D

Acq On : 28 Aug 2019 12:38

Operator : HP/JU

Sample : K4373-03

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

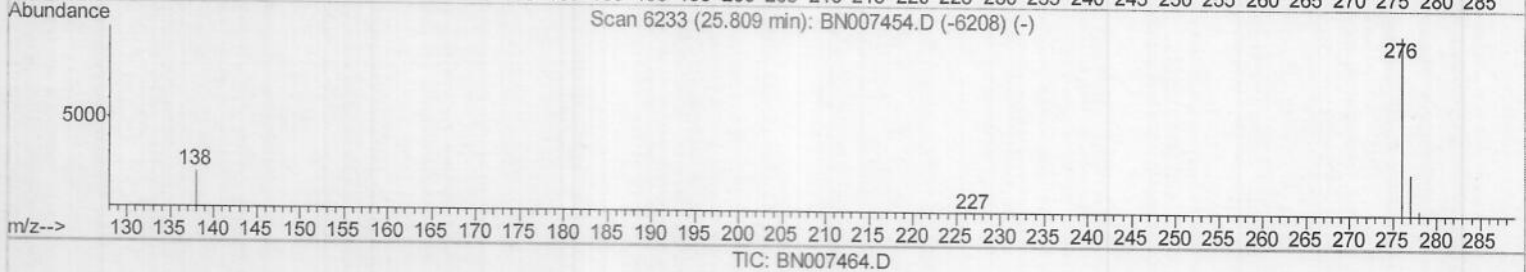
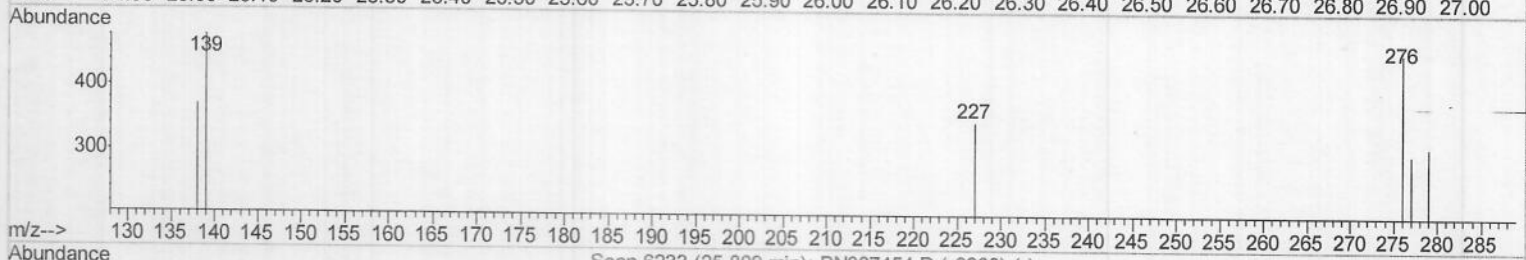
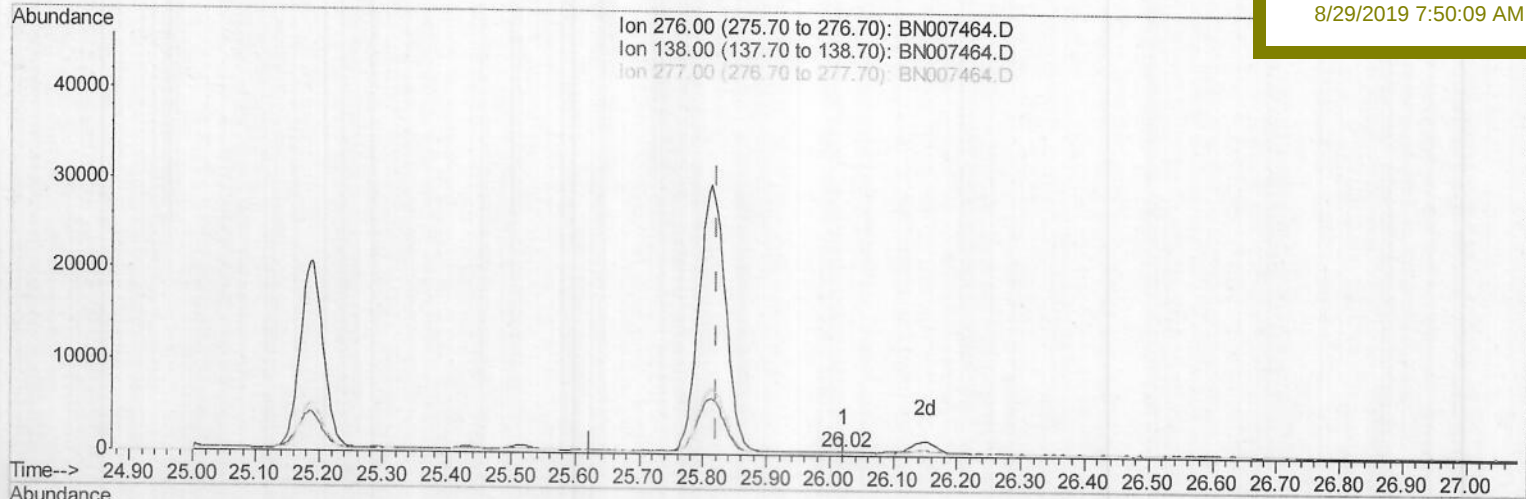
C0AB0

Manual Integrations

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TIC: BN007464.D

(26) Benzo(g,h,i)perylene

26.023min (+0.201) 0.01ng/ul

response 731

Ion	Exp%	Act%
276.00	100	100
138.00	21.40	80.43#
277.00	24.20	65.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

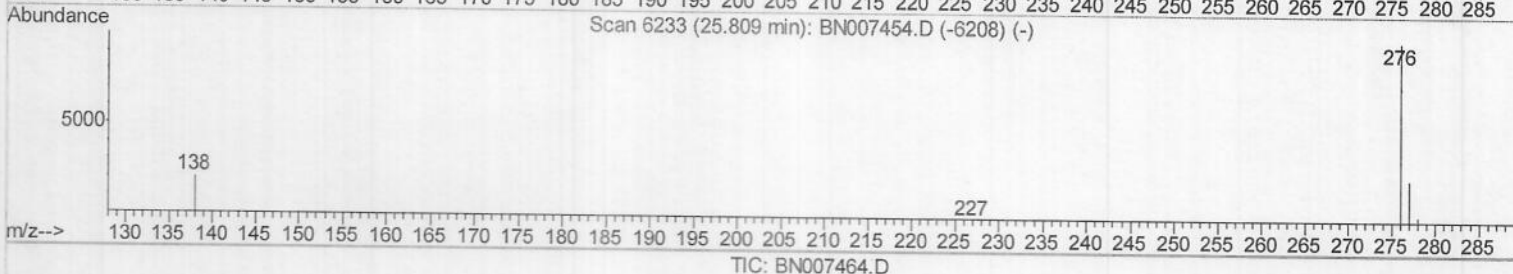
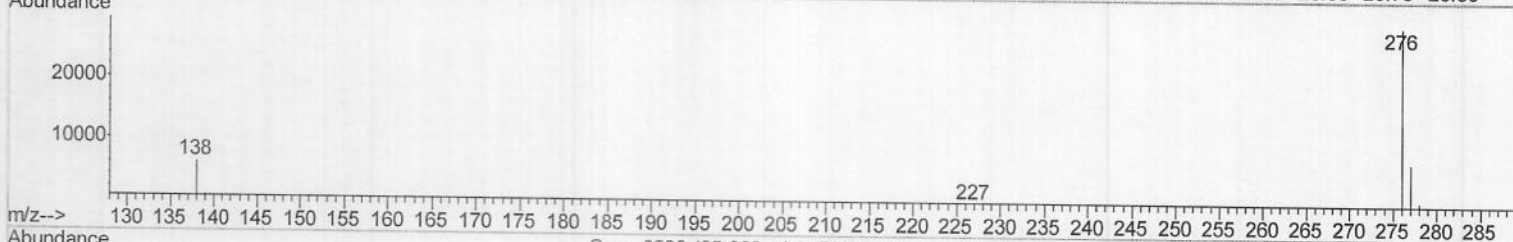
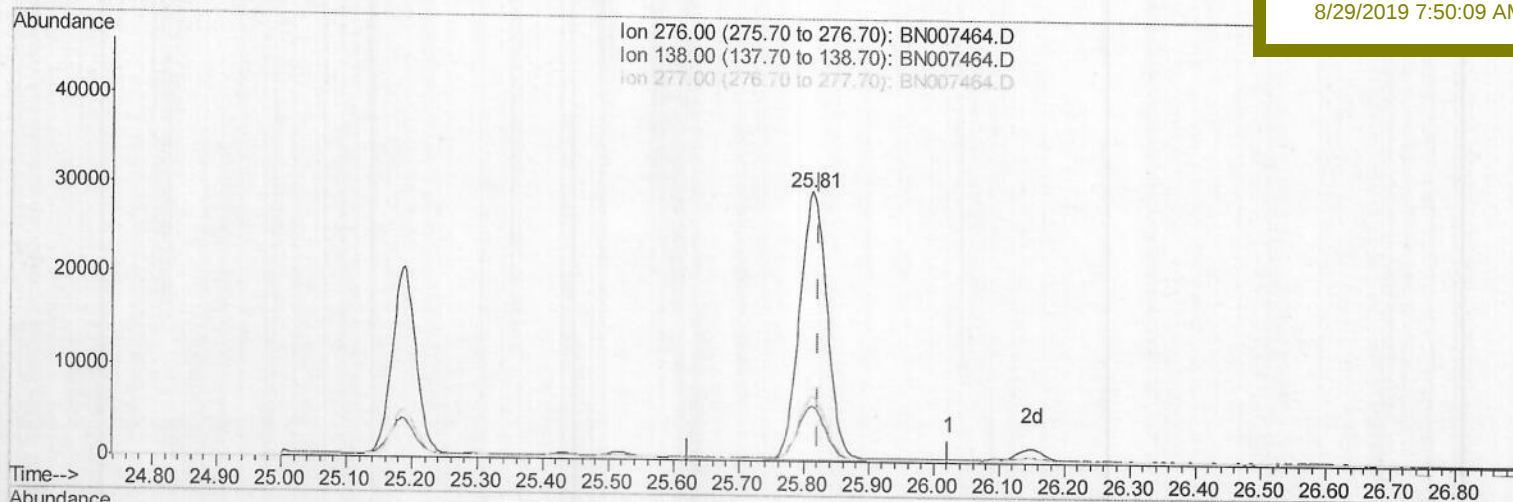
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
 Data File : BN007464.D
 Acq On : 28 Aug 2019 12:38
 Operator : HP/JU
 Sample : K4373-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 28 14:27:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 C0AB0

Manual Integrations
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(26) Benzo(g,h,i)perylene

25.812min (-0.010) 1.09ng/ul m

response 85598

08/29/19

Ion	Exp%	Act%
276.00	100	100
138.00	21.40	20.31
277.00	24.20	23.99
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
 Data File : BN007464.D
 Acq On : 28 Aug 2019 12:38
 Operator : HP/JU
 Sample : K4373-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 C0AB0

Manual Integrations
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 8/29/2019 7:50:09 AM

Quant Time: Aug 28 14:30:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4793	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21216	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	11277	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26728m)	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	21495m)	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	18881m)	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	10618	0.32	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	27172m)	0.31	ng/ul	0.00
Target Compounds						
					Qvalue	
3) Naphthalene	10.20	128	16574	0.277	ng/ul	98
5) 2-Methylnaphthalene	11.83	142	1109	0.028	ng/ul	92
7) Acenaphthylene	13.76	152	11888	0.189	ng/ul	98
8) Acenaphthene	14.11	153	67313	1.493	ng/ul	97
9) Fluorene	15.11	166	21692	0.445	ng/ul	96
11) Pentachlorophenol	16.46	266	1826m)	0.303	ng/ul	
12) Phenanthrene	16.84	178	4937m)	0.059	ng/ul	
13) Anthracene	16.93	178	44583m)	0.567	ng/ul	
15) Fluoranthene	18.87	202	27617m)	0.247	ng/ul	
17) Pyrene	19.24	202	26755m)	0.254	ng/ul	
18) Benzo (a) anthracene	21.01	228	11131m)	0.116	ng/ul	
19) Chrysene	21.05	228	12376m)	0.120	ng/ul	
21) Benzo (b) fluoranthene	22.51	252	32695m)	0.396	ng/ul	
22) Benzo (k) fluoranthene	22.54	252	10687m)	0.124	ng/ul	
23) Benzo (a) pyrene	23.04	252	22848m)	0.278	ng/ul	
24) Indeno (1,2,3-cd) pyrene	25.19	276	51293m)	0.557	ng/ul	
25) Dibenzo (a,h) anthracene	25.19	278	8986m)	0.123	ng/ul	
26) Benzo (g,h,i) perylene	25.81	276	85598m)	1.089	ng/ul	

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