

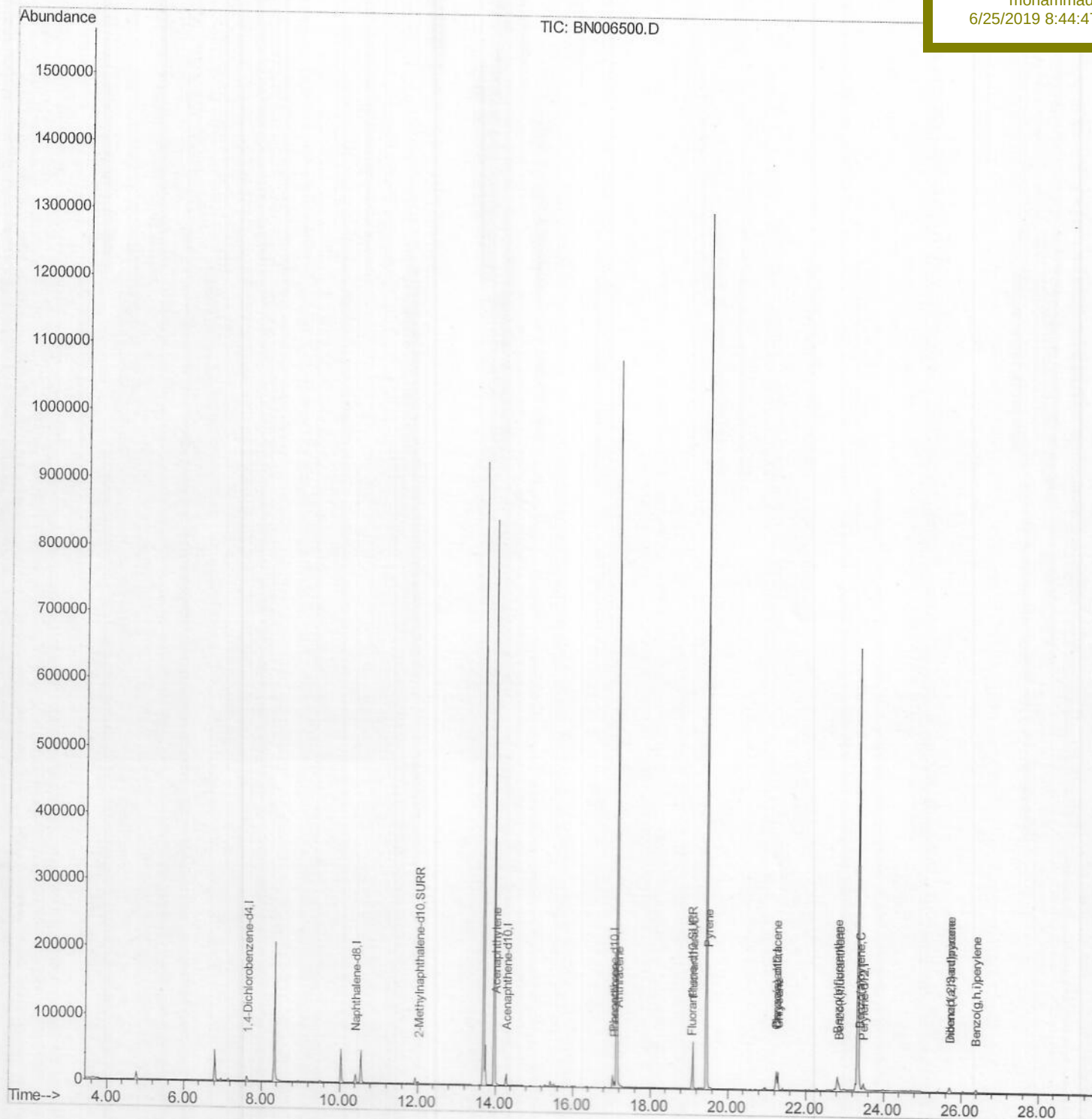
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006500.D
Acq On : 22 Jun 2019 21:33
Operator : HP/JU
Sample : K3360-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:58:52 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
Client Sampled :
A41Y3

Manual Integrations
APPROVED

mohammad
6/25/2019 8:44:47 AM



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:53:17 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

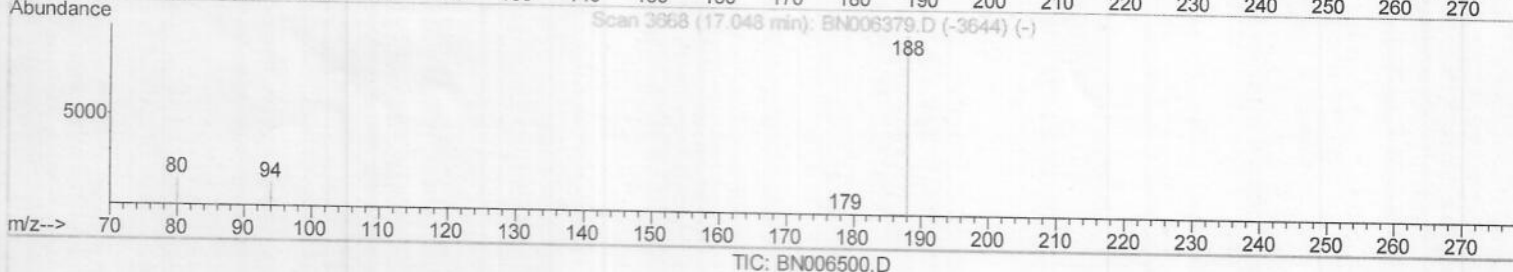
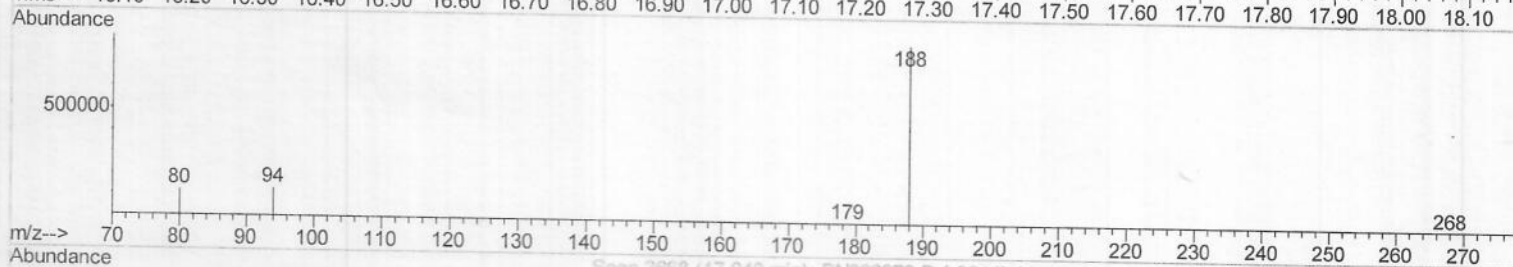
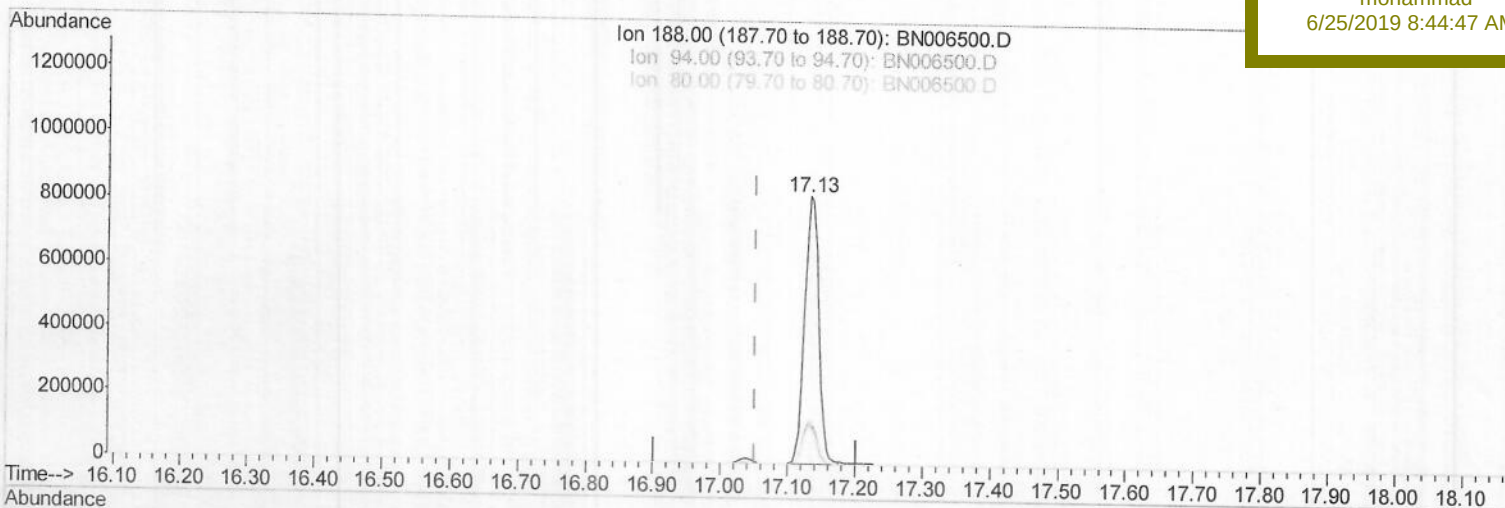
A41Y3

Manual Integrations

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(10) Phenanthrene-d10 (I)

17.132min (+0.080) 0.40ng/ul

response 1196016

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.87#
80.00	13.60	14.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:53:17 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

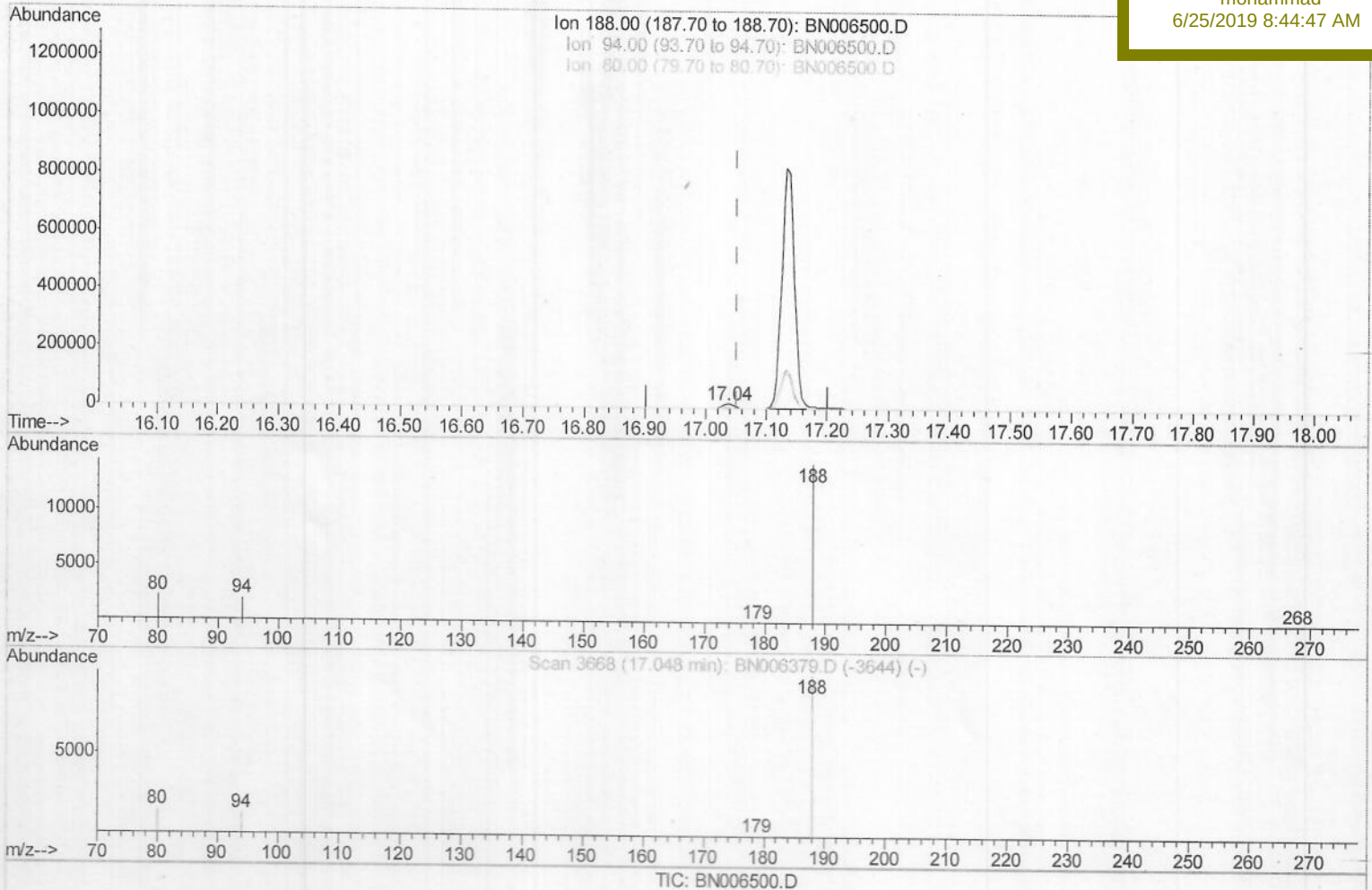
A41Y3

Manual Integrations

APPROVED

mohammad

6/25/2019 8:44:47 AM



(10) Phenanthrene-d10 (I)

17.035min (-0.017) 0.40ng/ul m

> JU 06/26/19

response 20472

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.53
80.00	13.60	15.10
0.00	0.00	0.00

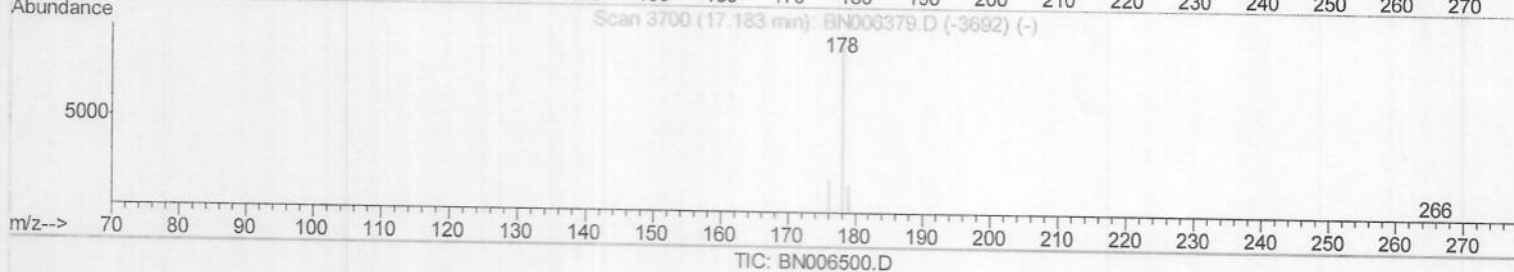
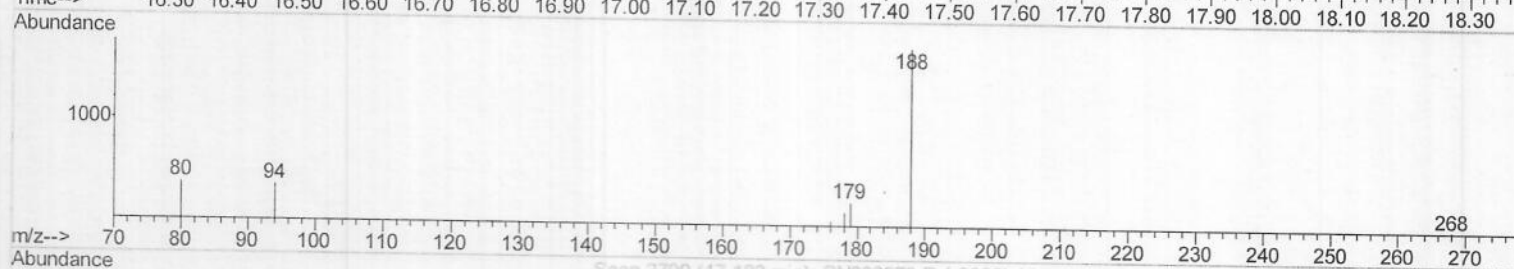
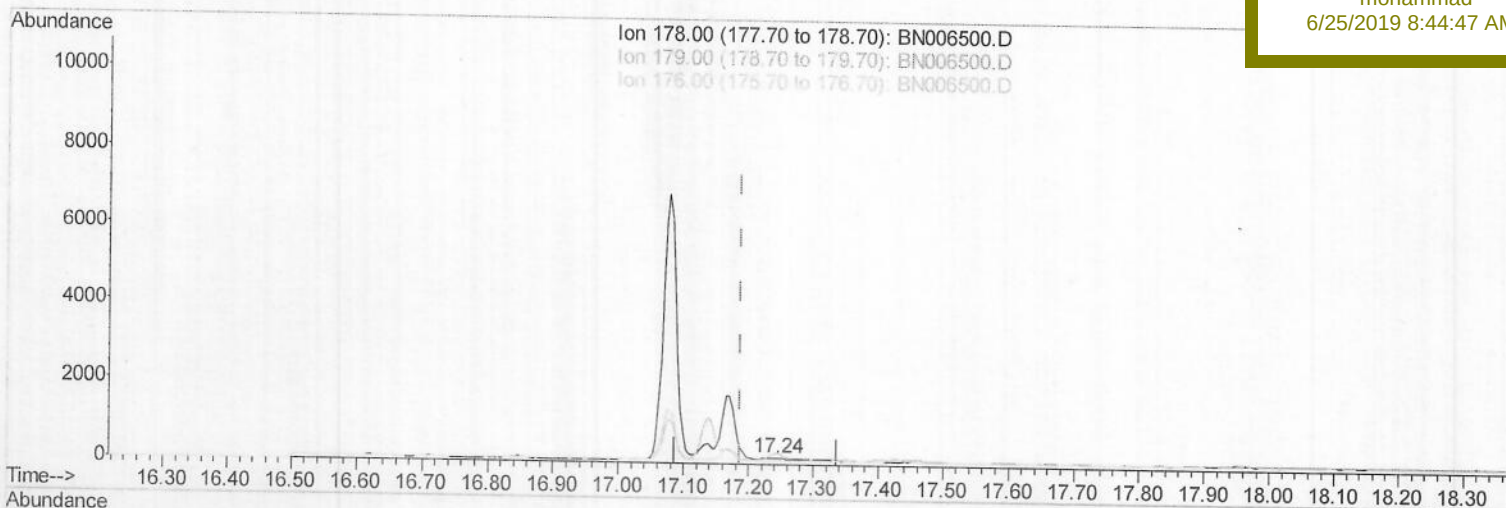
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006500.D
Acq On : 22 Jun 2019 21:33
Operator : HP/JU
Sample : K3360-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Y3

Manual Integrations
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TIC: BN006500.D

(13) Anthracene

17.242min (+0.055) 0.00ng/ul

response 302

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	157.23#
176.00	18.90	55.49#
0.00	0.00	0.00

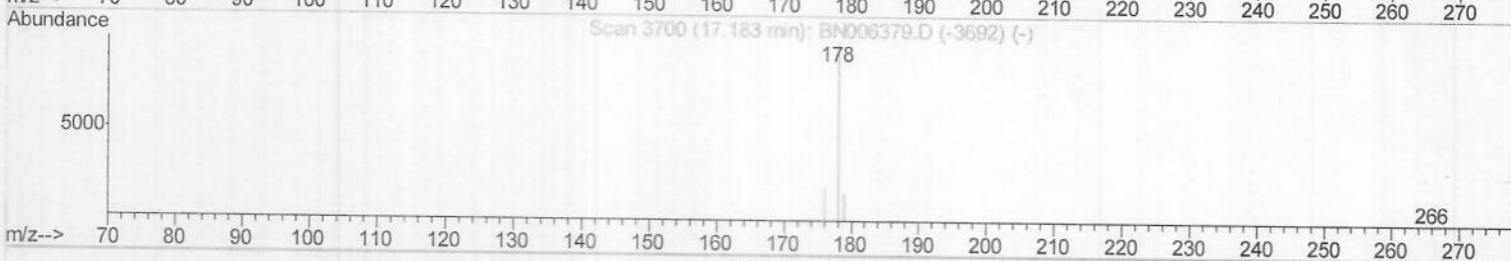
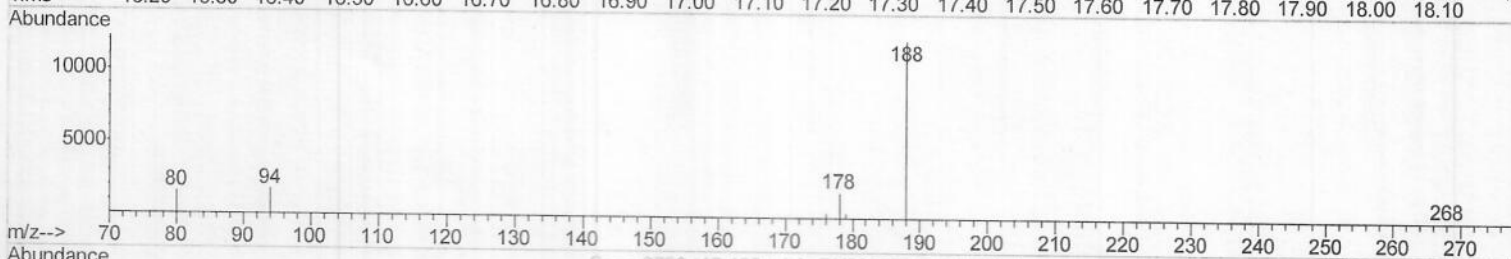
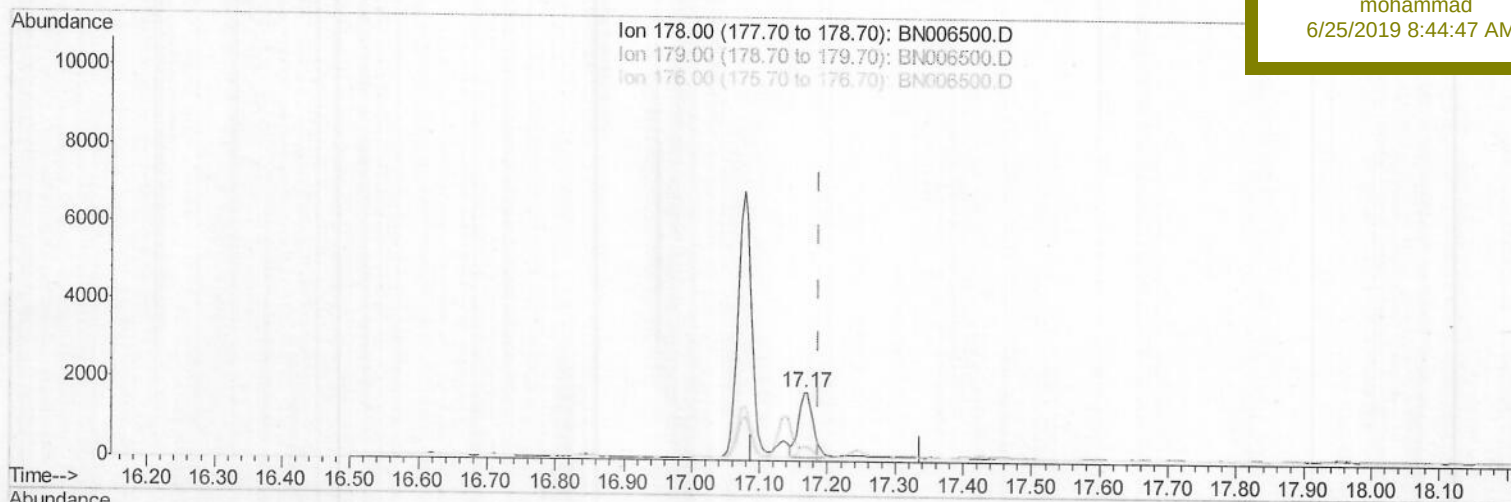
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006500.D
Acq On : 22 Jun 2019 21:33
Operator : HP/JU
Sample : K3360-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampled :
A41Y3

Manual Integrations
APPROVED

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(13) Anthracene

17.166min (-0.021) 0.04ng/ui m

> JU 06/26/19

response 2482

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	21.09#
176.00	18.90	22.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019

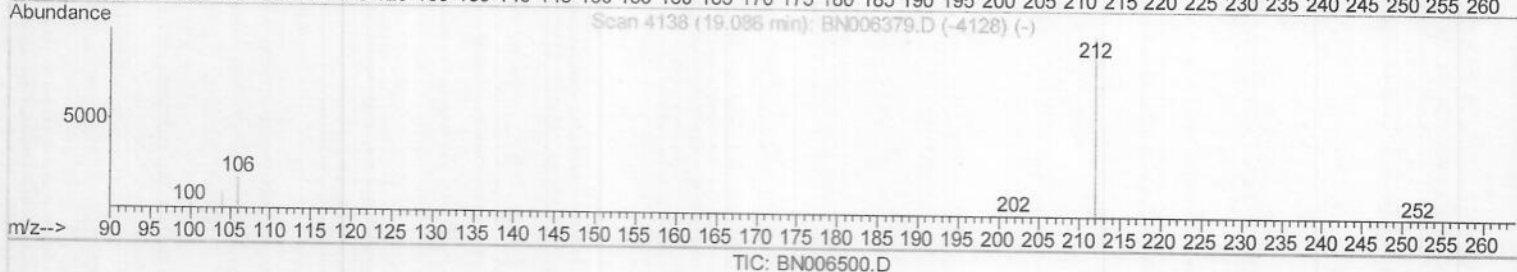
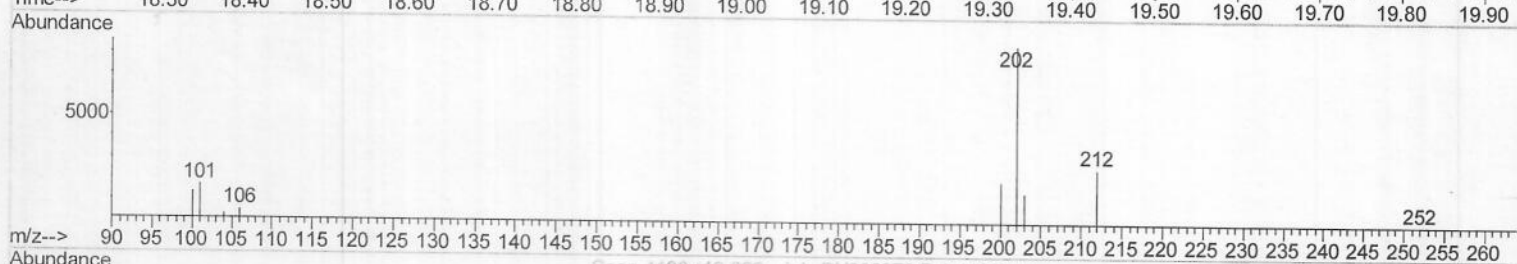
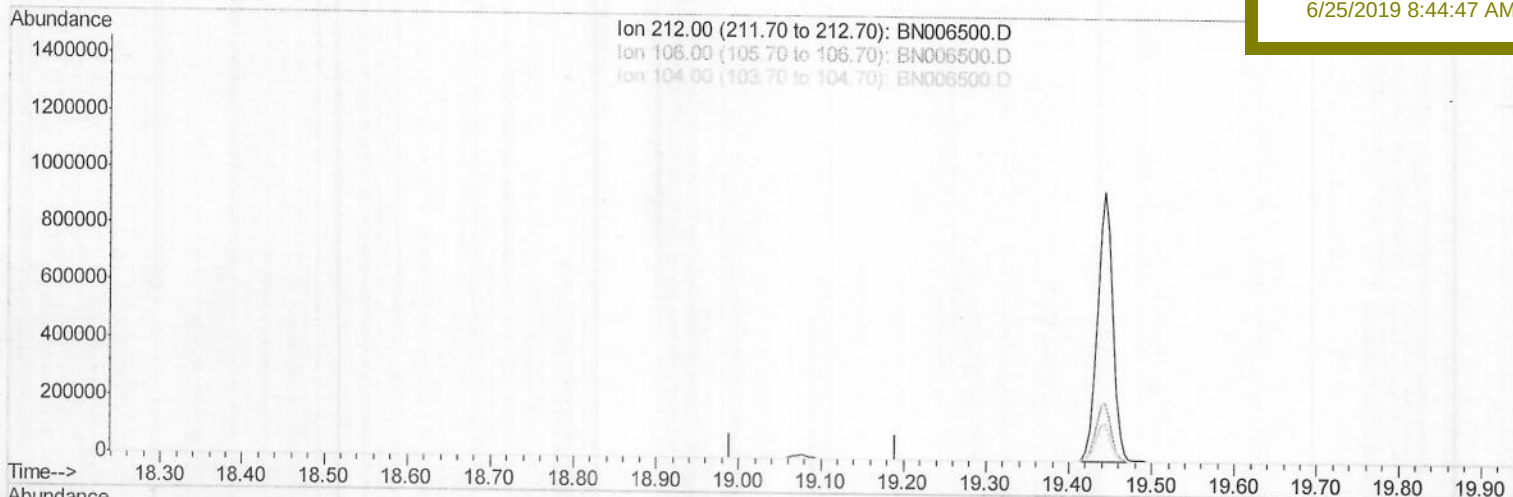
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Y3

Manual Integrations
APPROVEDmohammad
6/25/2019 8:44:47 AM

(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019

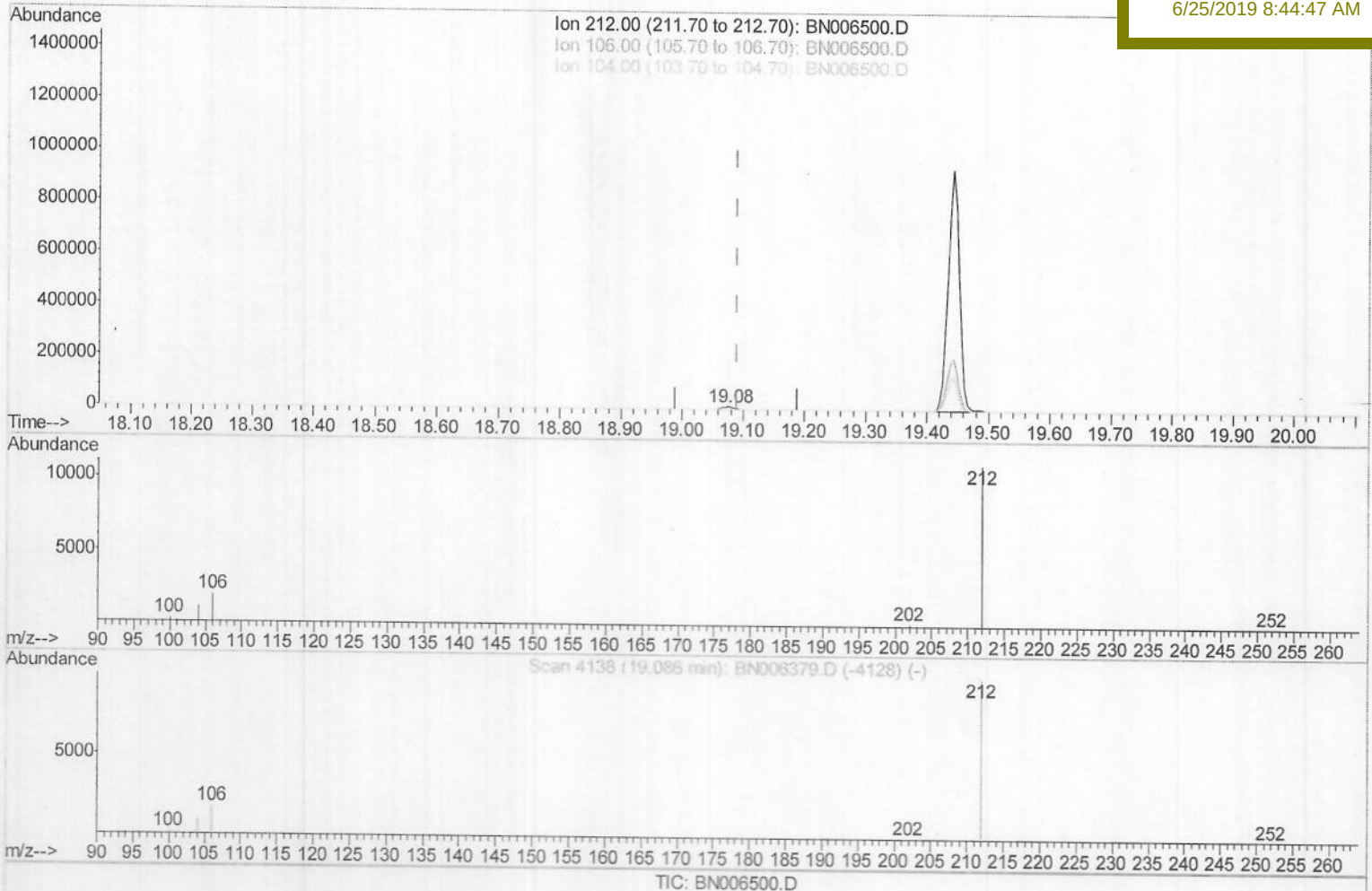
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Y3

Manual Integrations
APPROVEDmohammad
6/25/2019 8:44:47 AM

(14) Fluoranthene-d10 (SURR)

19.076min (-0.014) 0.27ng/ul m

response 14722

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

7 JU 06/26/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

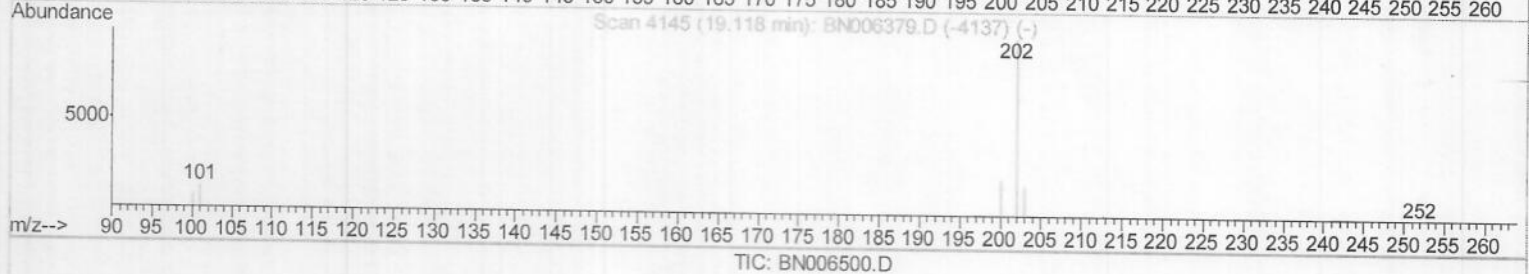
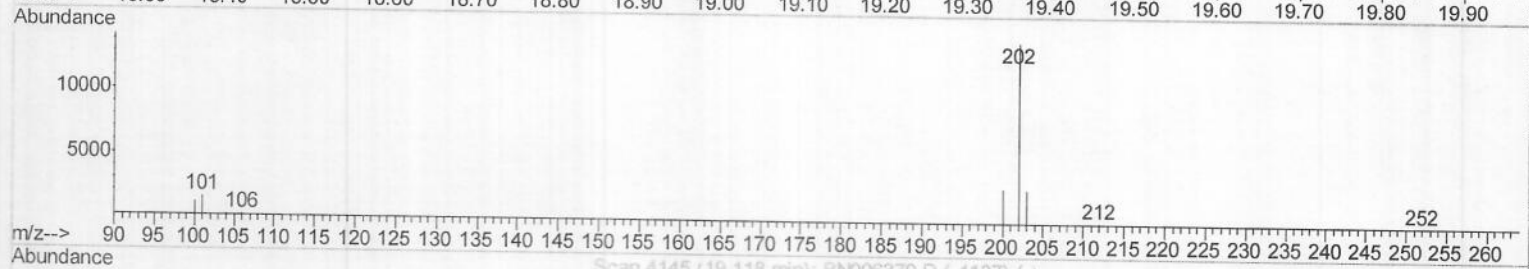
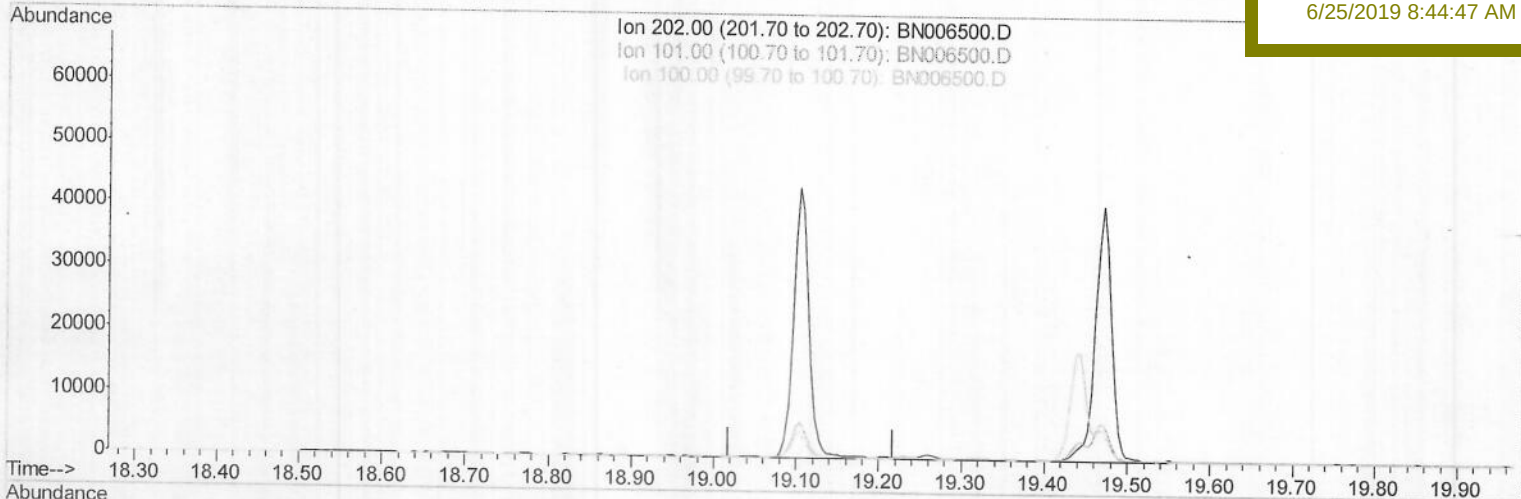
A41Y3

Manual Integrations

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6/25/2019 8:44:47 AM



(15) Fluoranthene (C)

19.118min (-19.118) 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

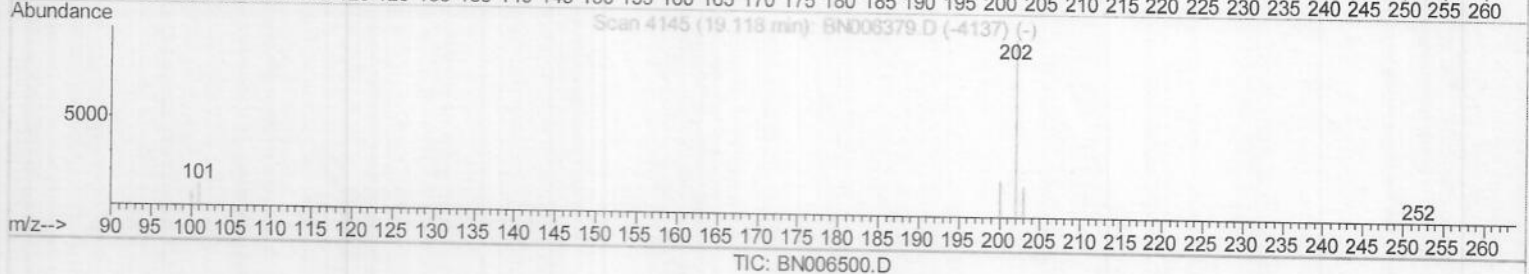
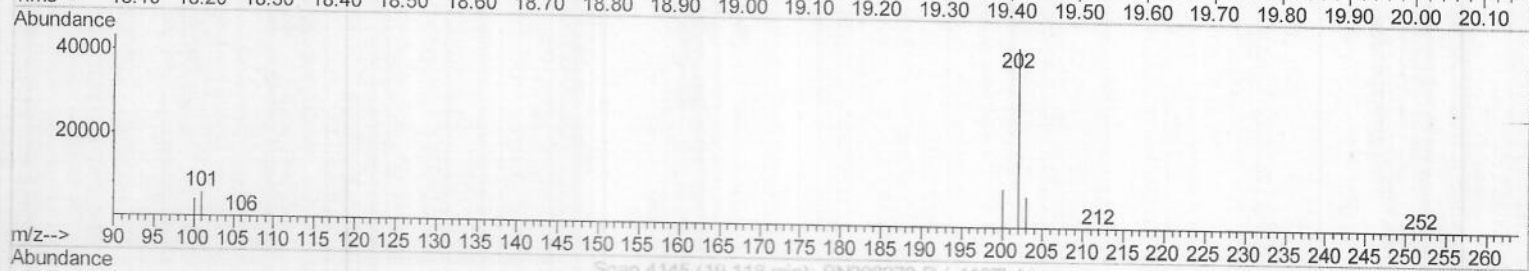
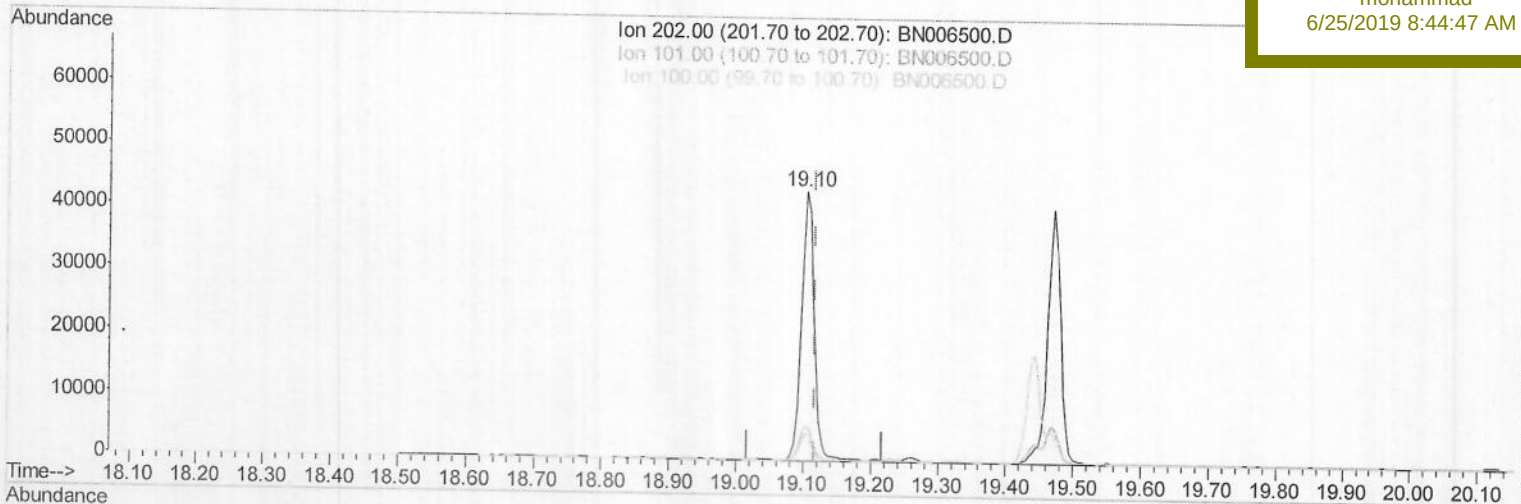
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006500.D
Acq On : 22 Jun 2019 21:33
Operator : HP/JU
Sample : K3360-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Y3

Manual Integrations
APPROVED

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6/25/2019 8:44:47 AM



(15) Fluoranthene (C)

19.104min (-0.014) 0.79ng/ul m

7 JU 06/26/19

response 57292

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.48
100.00	8.70	9.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019

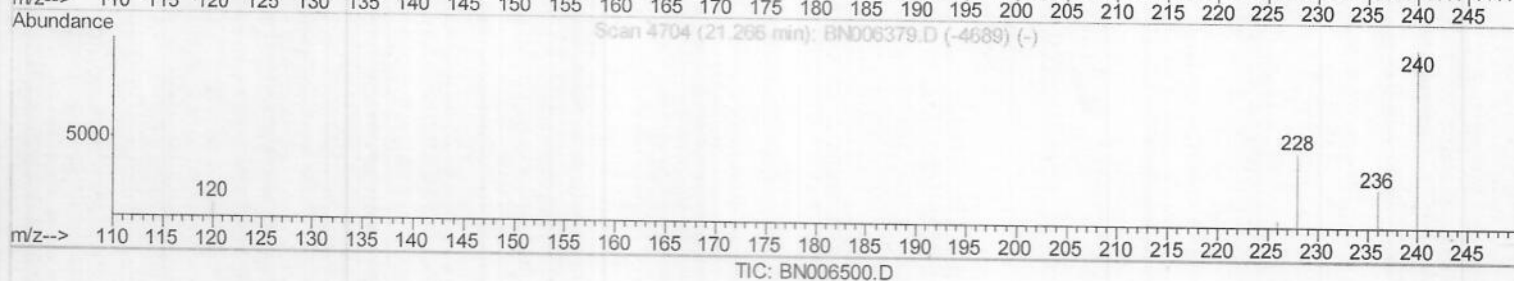
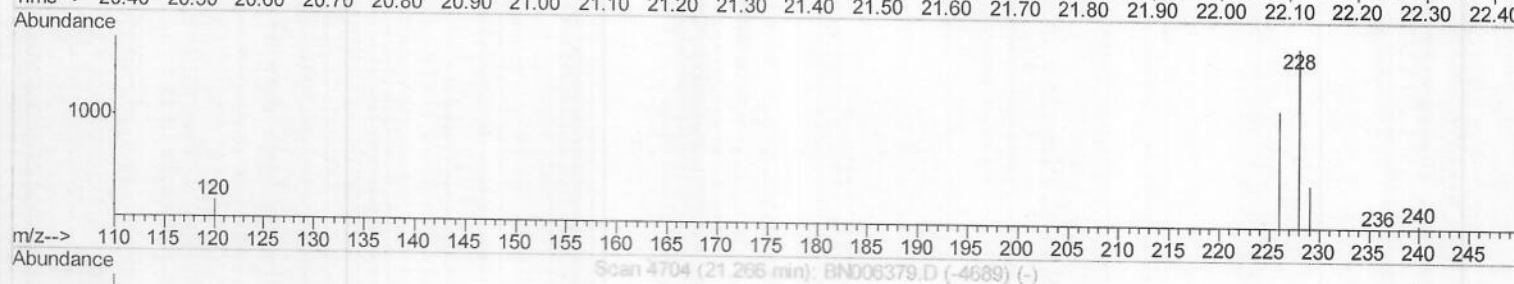
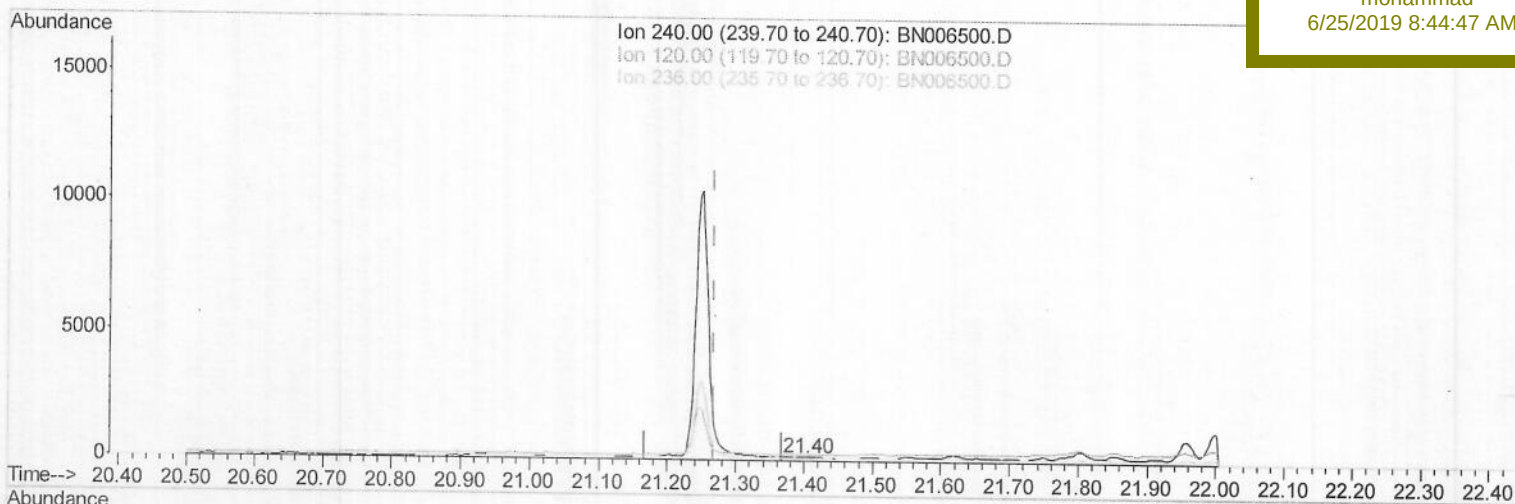
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Y3

Manual Integrations
APPROVEDmohammad
6/25/2019 8:44:47 AM

(16) Chrysene-d12 (I)

21.403min (+0.134) 0.40ng/ul

response 53

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	190.91#
236.00	30.10	78.03#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:54:04 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 : Mon Jun 17 11:13:07 2019

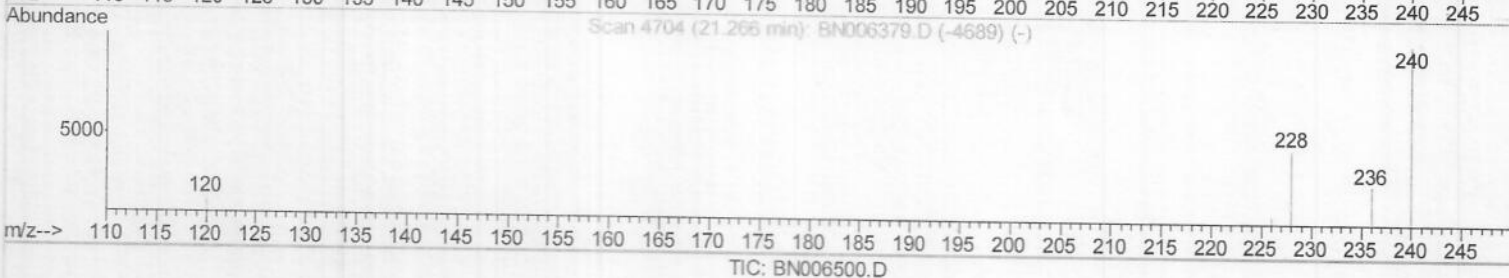
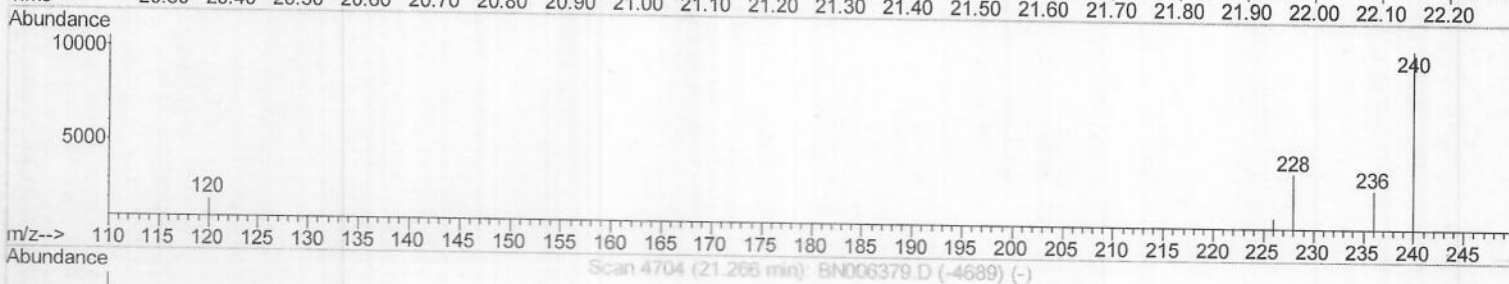
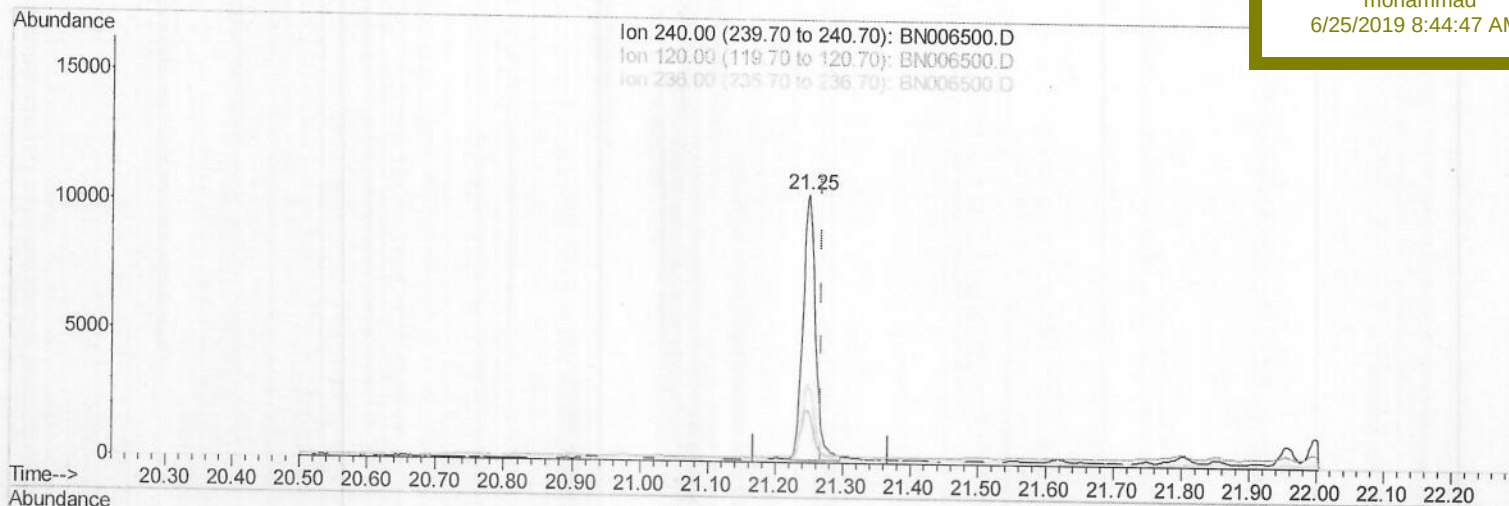
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

A41Y3

Manual Integrations
APPROVEDmohammad
6/25/2019 8:44:47 AM

(16) Chrysene-d12 (I)

21.251min (-0.018) 0.40ng/ul m > JU 06/26/19

response 13447

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	18.48
236.00	30.10	29.31
0.00	0.00	0.00

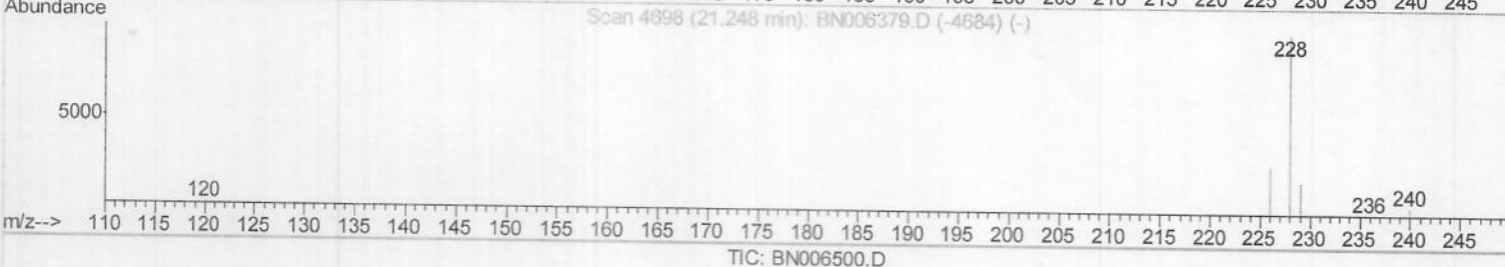
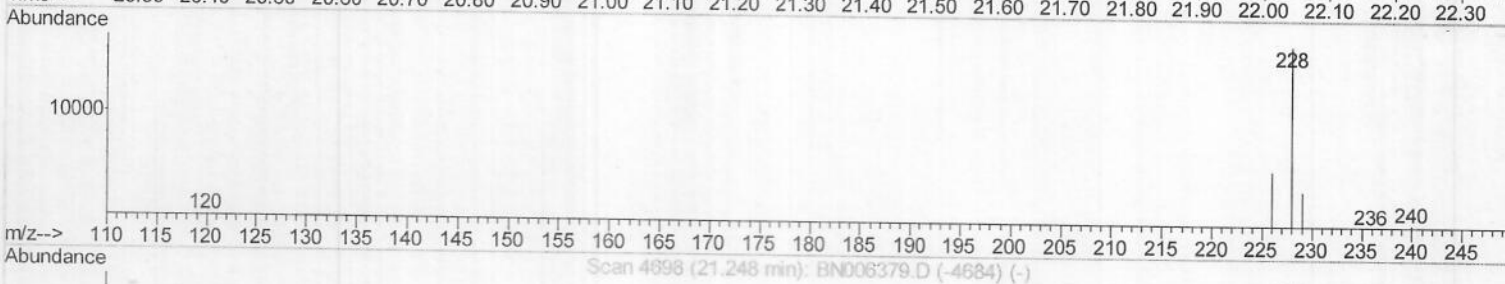
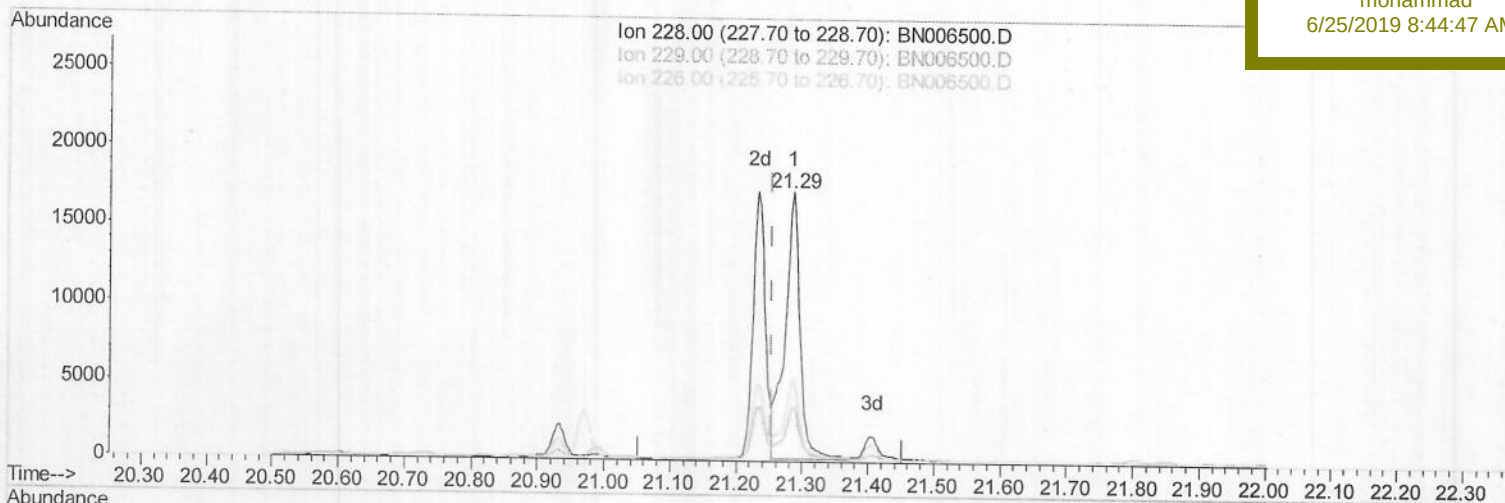
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006500.D
Acq On : 22 Jun 2019 21:33
Operator : HP/JU
Sample : K3360-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:57:06 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Y3

Manual Integrations
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(18) Benzo(a)anthracene
21.286min (+0.032) 0.47ng/ul
response 28077

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	20.71
226.00	28.50	31.40
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:57:06 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 : Mon Jun 17 11:13:07 2019

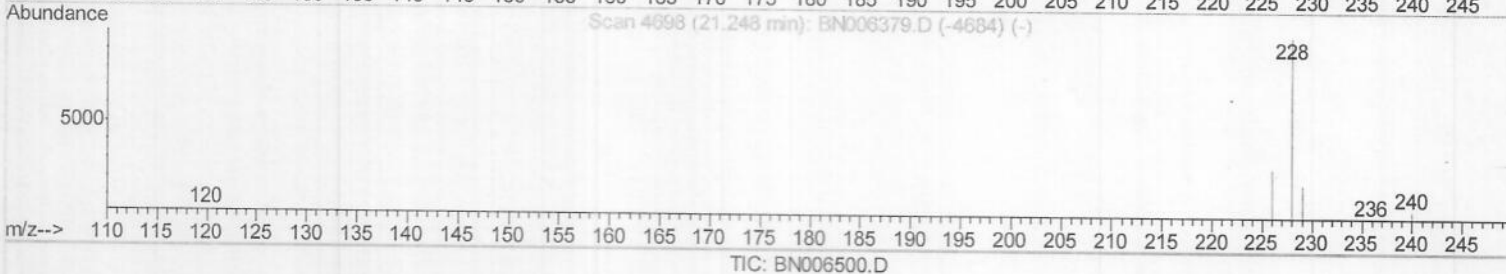
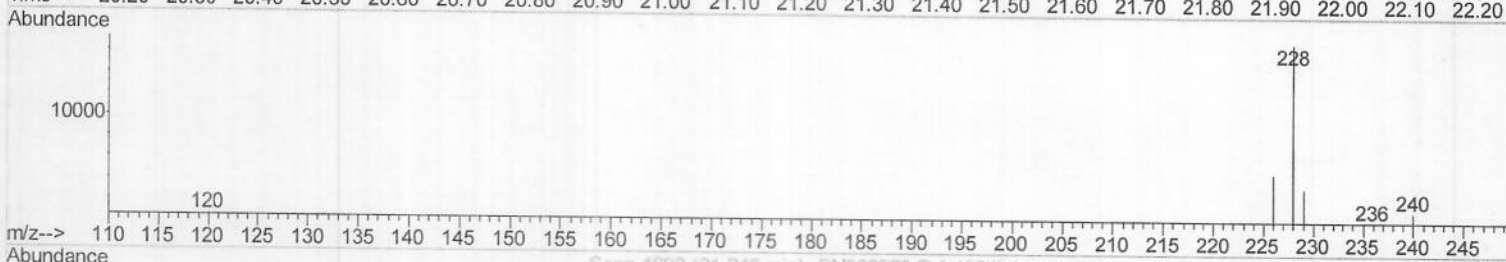
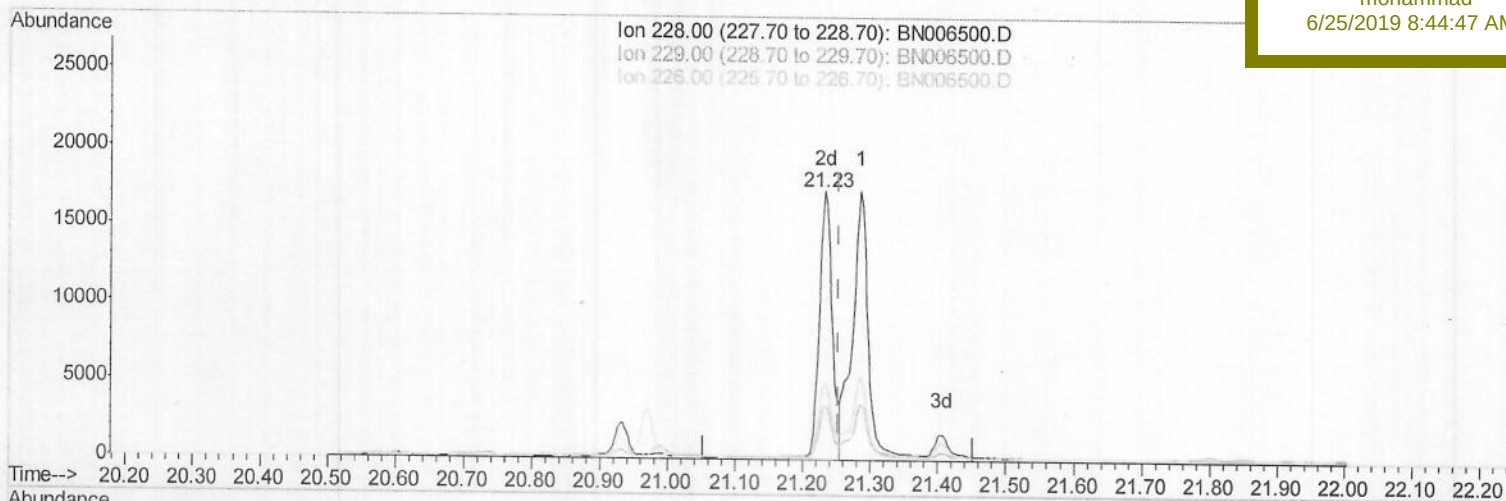
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Y3

Manual Integrations
APPROVEDmohammad
6/25/2019 8:44:47 AM

(18) Benzo(a)anthracene

21.233min (-0.020) 0.38ng/ul m 7 JU 06/26/19

response 22811

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	20.68
226.00	28.50	28.82
0.00	0.00	0.00

Quantitation Report (Qedit)

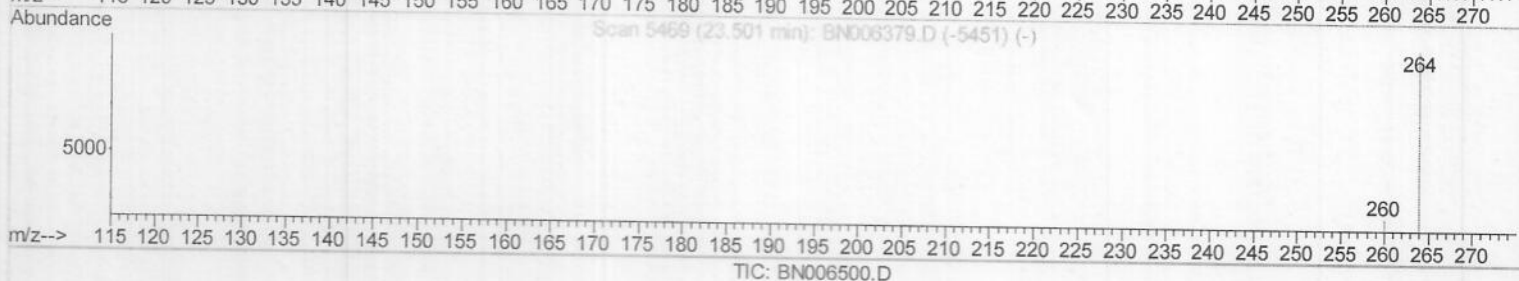
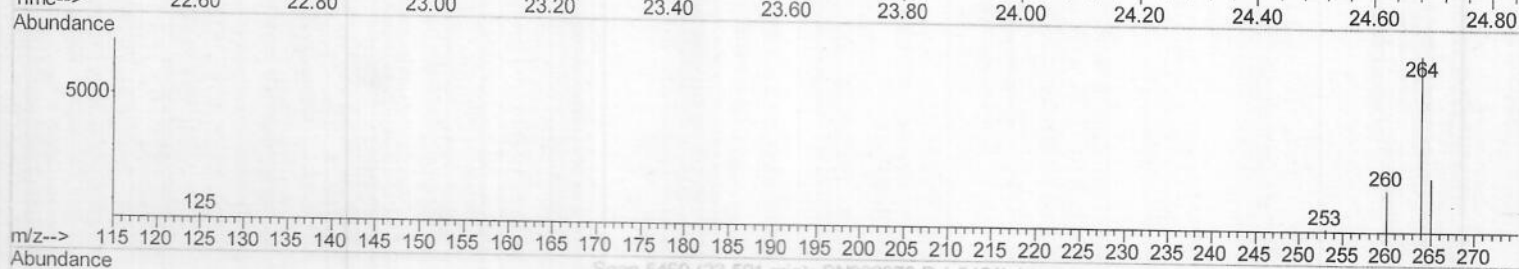
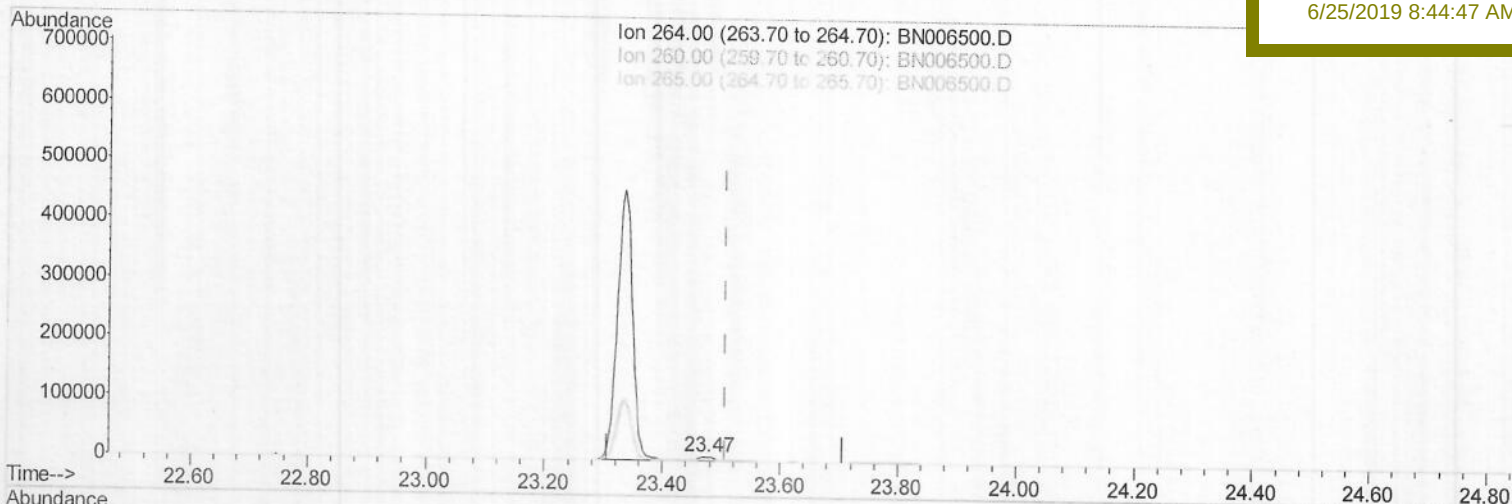
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
 Data File : BN006500.D
 Acq On : 22 Jun 2019 21:33
 Operator : HP/JU
 Sample : K3360-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:57:06 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A41Y3

Manual Integrations
 APPROVED

mohammad
 6/25/2019 8:44:47 AM



(20) Perylene-d12 (I)
 23.475min (-0.032) 0.40ng/ul
 response 14890

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	27.28
265.00	44.70	33.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

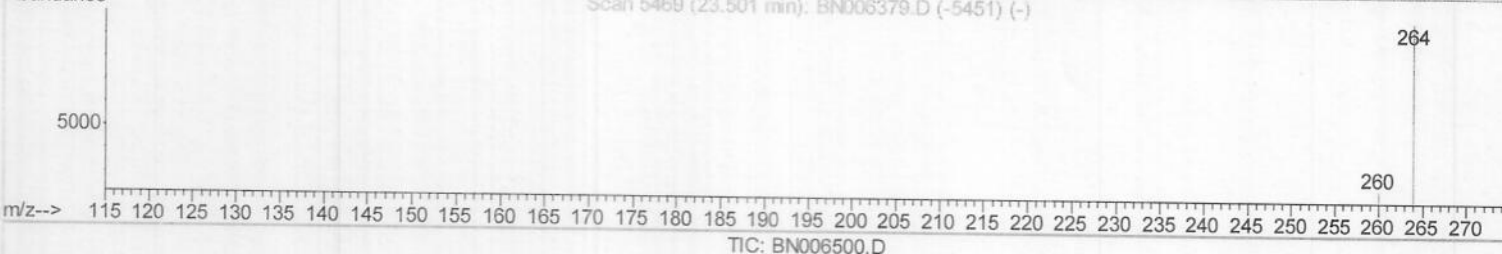
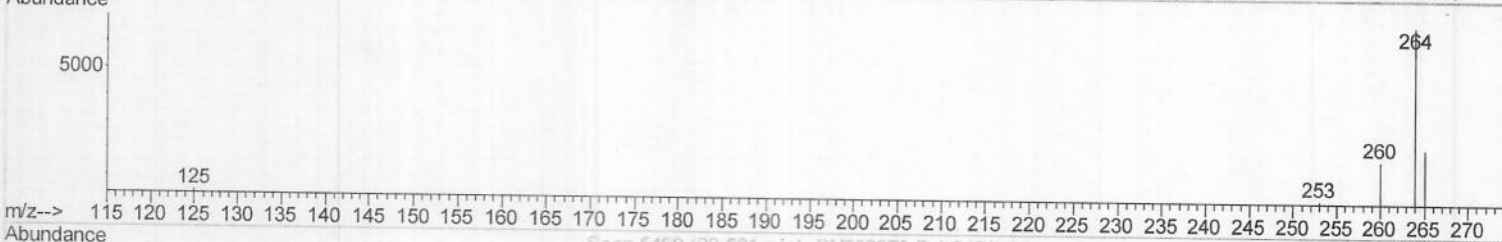
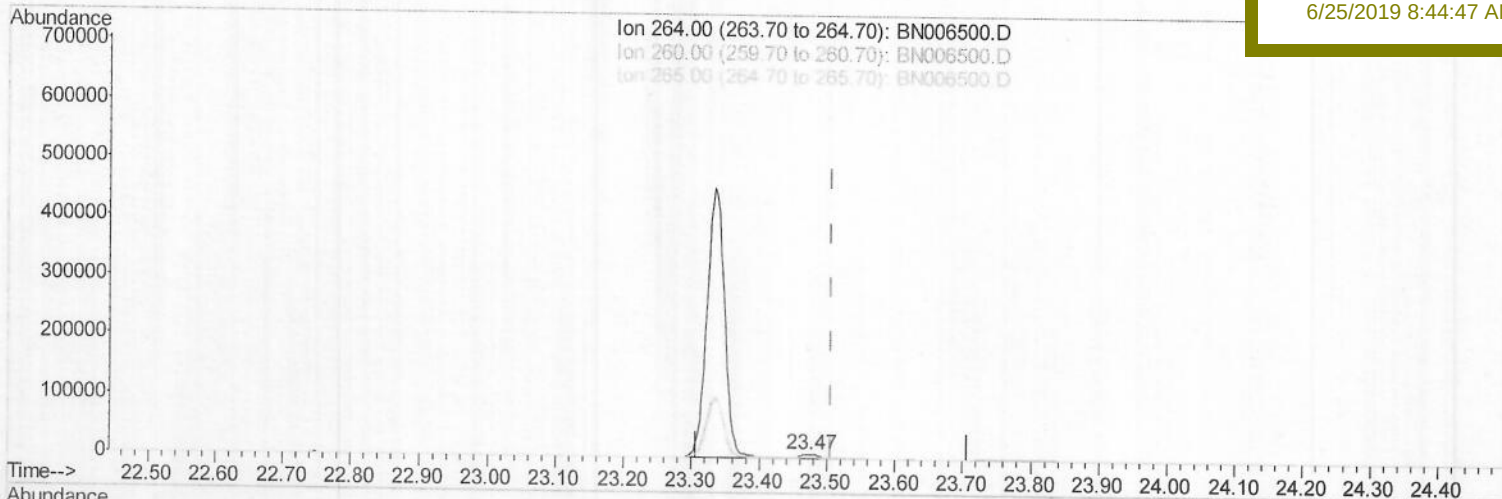
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
 Data File : BN006500.D
 Acq On : 22 Jun 2019 21:33
 Operator : HP/JU
 Sample : K3360-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:57:06 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A41Y3

Manual Integrations
 APPROVED

mohammad
 6/25/2019 8:44:47 AM



(20) Perylene-d12 (I)

23.475min (-0.032) 0.40ng/ul m > JU 06/26/19

response 10490

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	27.28
265.00	44.70	33.62#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:58:08 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

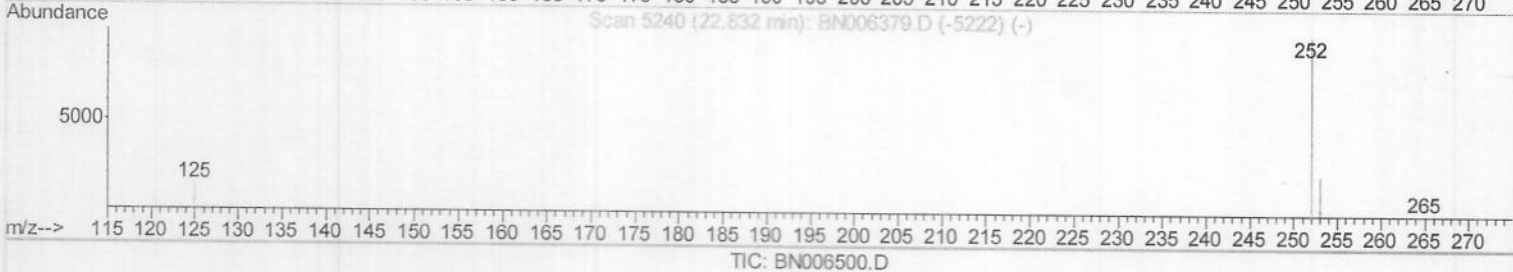
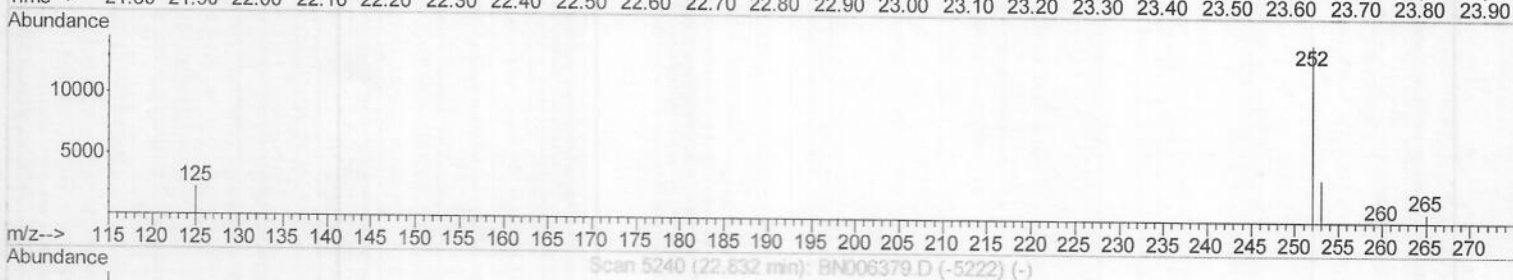
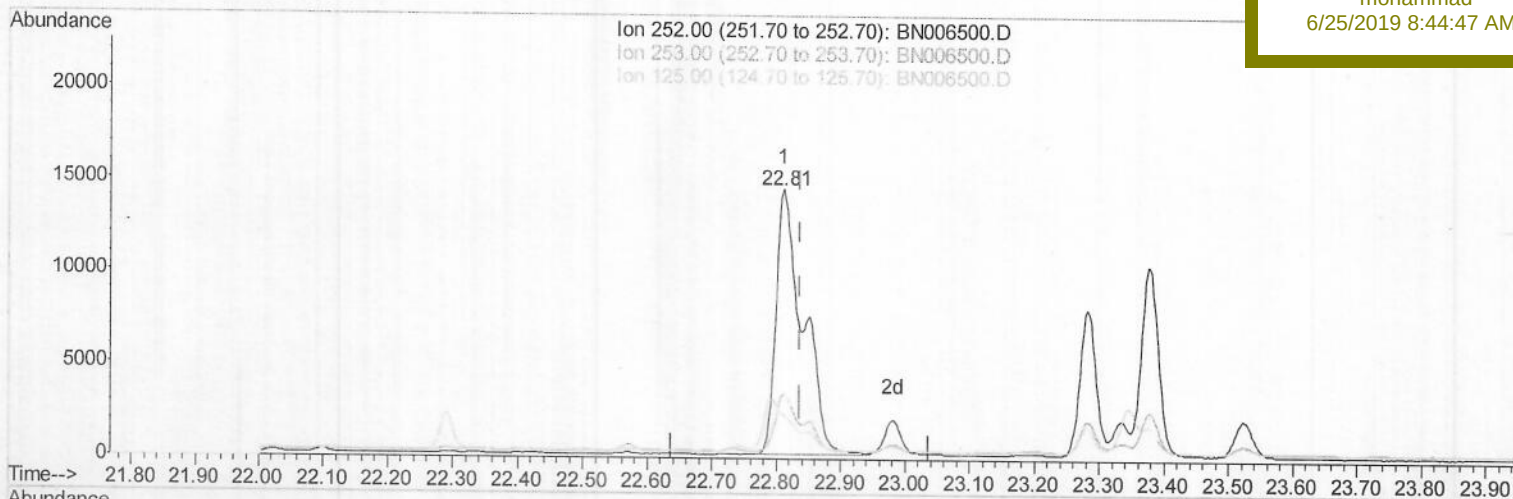
A41Y3

Manual Integrations

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6/25/2019 8:44:47 AM



(21) Benzo(b)fluoranthene

22.811min (-0.026) 0.96ng/ul

response 41949

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	24.22
125.00	20.50	16.26
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:58:08 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 : Mon Jun 17 11:13:07 2019

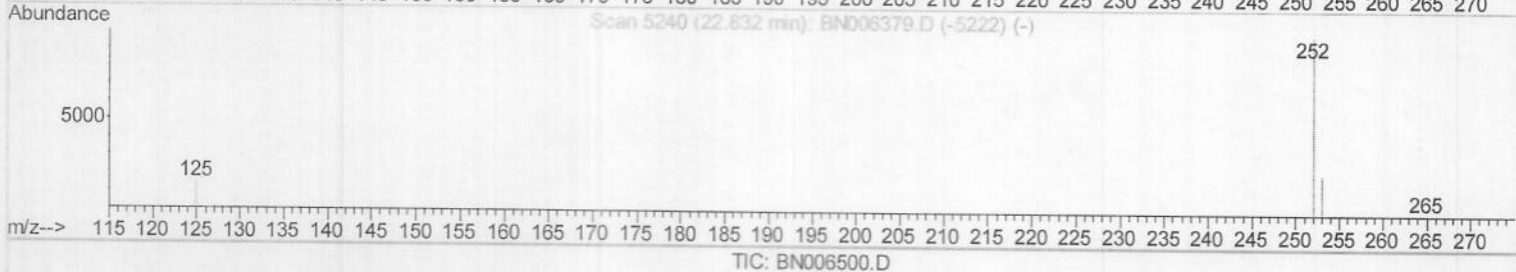
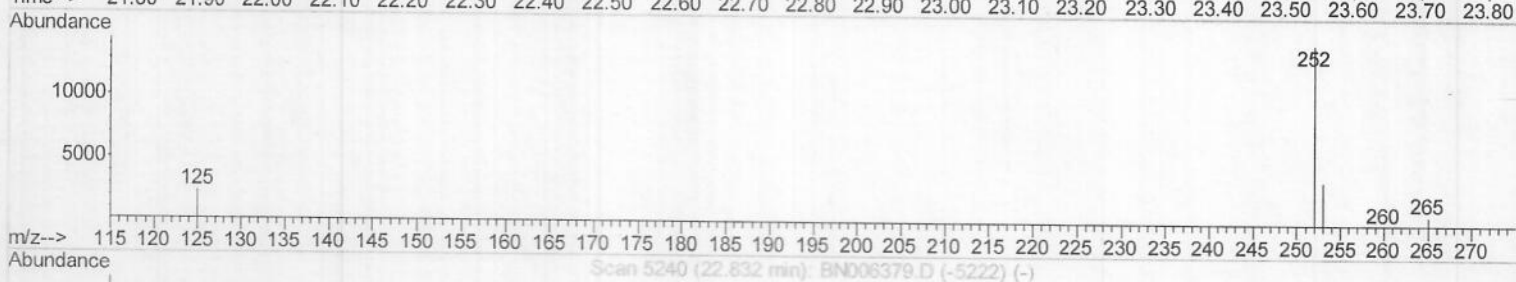
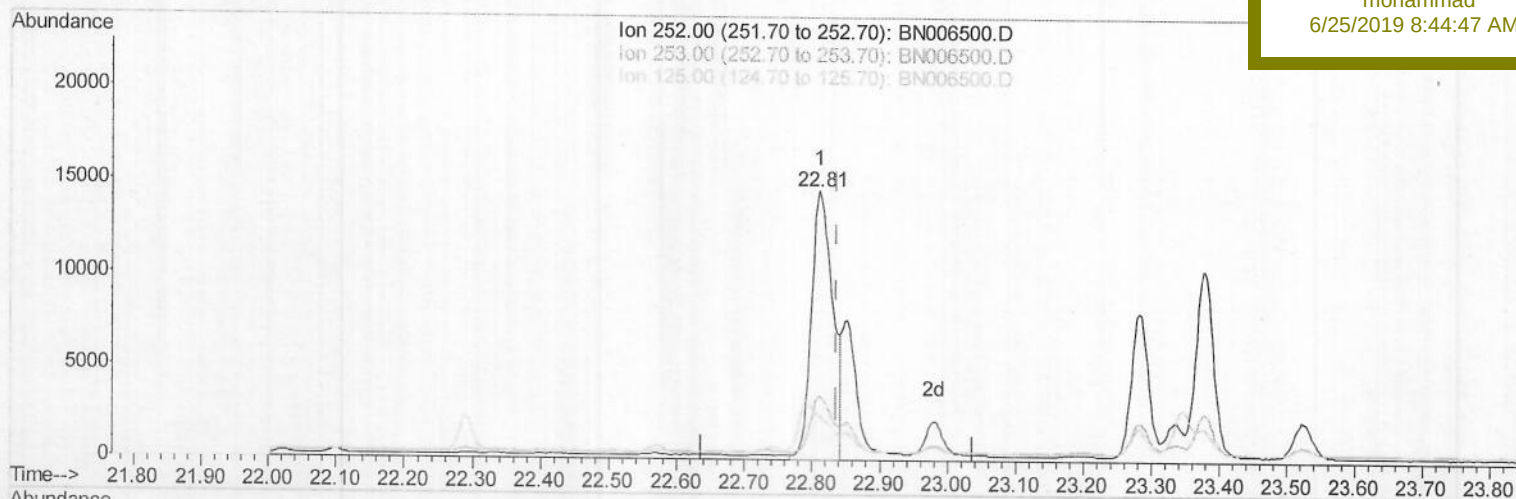
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Y3

Manual Integrations
APPROVEDmohammad
6/25/2019 8:44:47 AM

(21) Benzo(b)fluoranthene

22.811min (-0.026) 0.72ng/ul m

> JU 06/26/19

response 31341

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	24.22
125.00	20.50	16.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:58:08 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

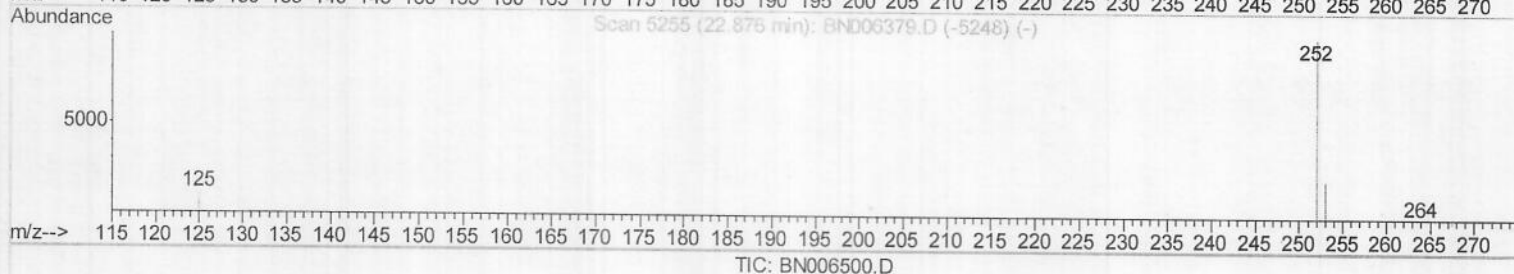
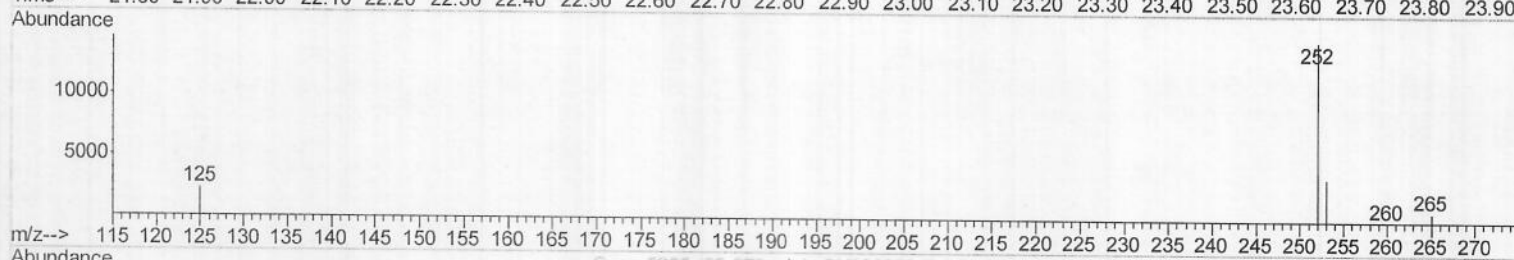
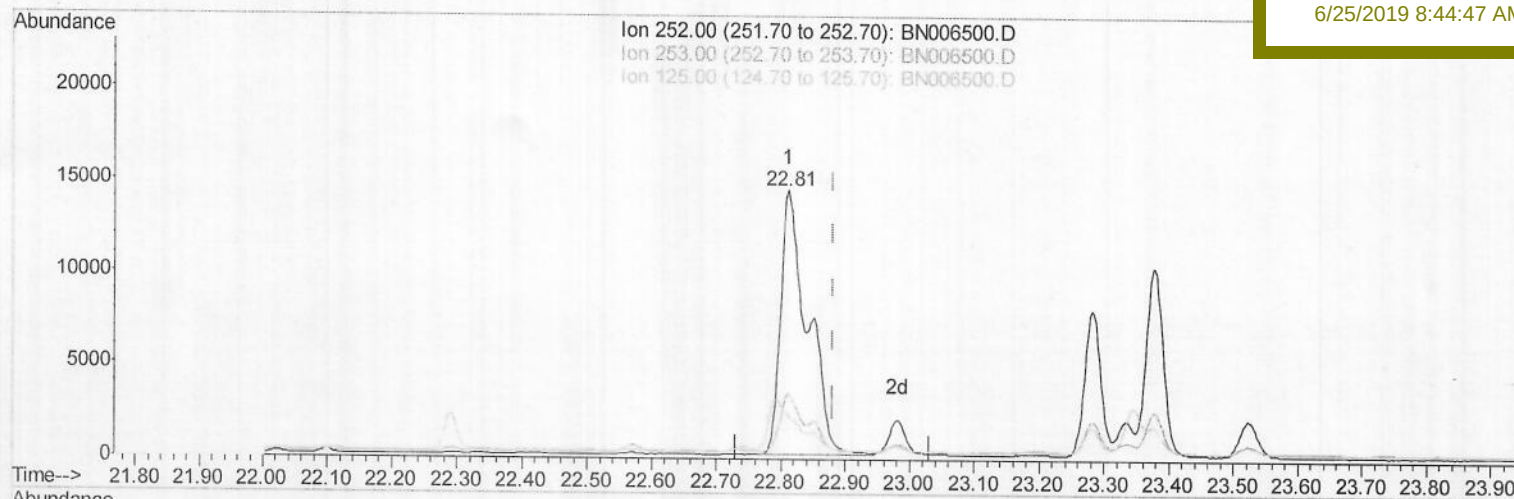
A41Y3

Manual Integrations

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6/25/2019 8:44:47 AM



(22) Benzo(k)fluoranthene

22.811min (-0.070) 0.98ng/ul

response 41949

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	24.22
125.00	17.90	16.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\

Data File : BN006500.D

Acq On : 22 Jun 2019 21:33

Operator : HP/JU

Sample : K3360-02

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 24 08:58:08 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

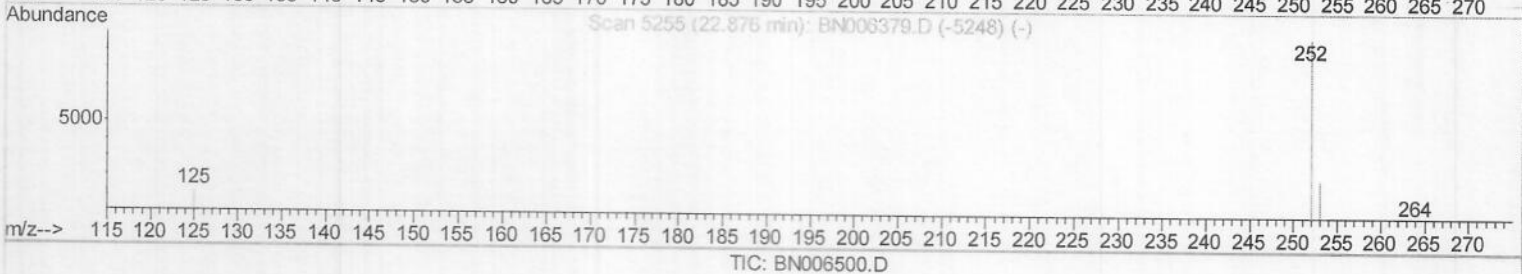
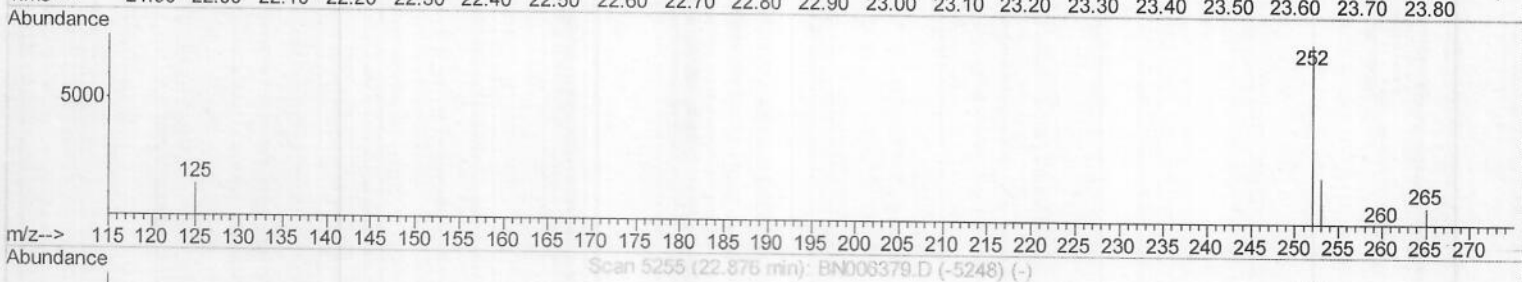
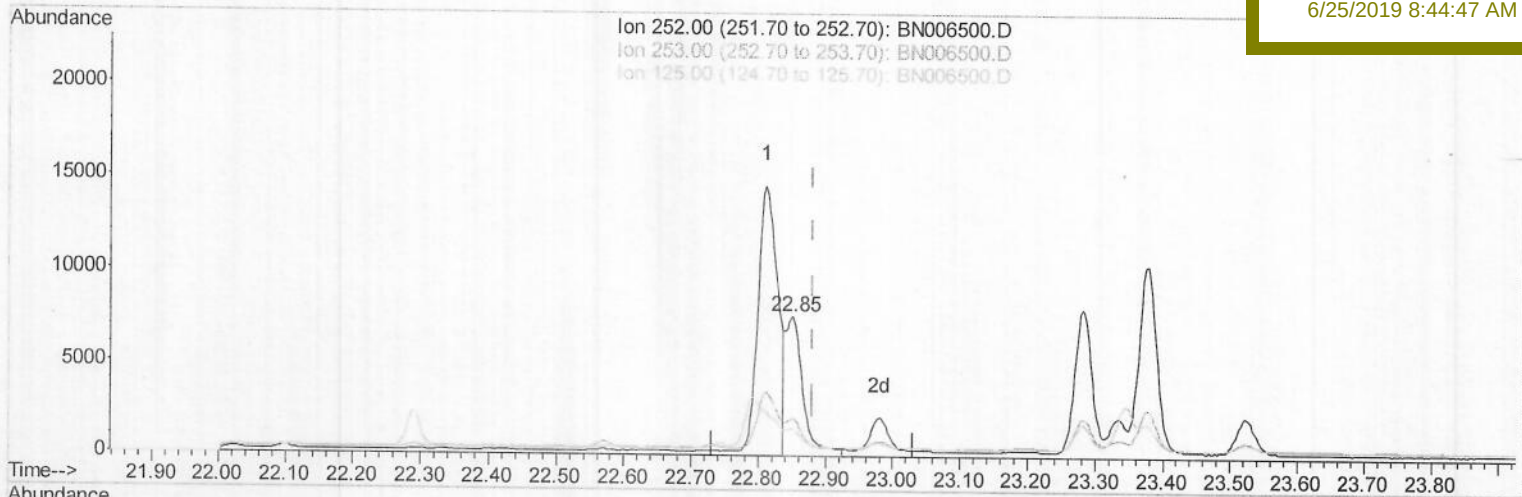
A41Y3

Manual Integrations

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(22) Benzo(k)fluoranthene

22.852min (-0.029) 0.33ng/ul m > JU 06/26/19

response 13859

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	26.79
125.00	17.90	18.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
 Data File : BN006500.D
 Acq On : 22 Jun 2019 21:33
 Operator : HP/JU
 Sample : K3360-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 A41Y3

Quant Time: Jun 24 08:58:52 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4467	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	17724	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	9914	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	20472m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	13447m	0.40	ng/ul	-0.02
20) Perylene-d12	23.47	264	10490m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	5937	0.22	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	14722m	0.27	ng/ul	-0.01
Target Compounds						
7) Acenaphthylene	14.00	152	2213	0.040	ng/ul#	93
12) Phenanthrene	17.08	178	9407	0.143	ng/ul	98
13) Anthracene	17.17	178	2482m	0.040	ng/ul	
15) Fluoranthene	19.10	202	57292m	0.790	ng/ul	
17) Pyrene	19.47	202	54966	0.776	ng/ul	98
18) Benzo(a)anthracene	21.23	228	22811m	0.384	ng/ul	
19) Chrysene	21.29	228	27101	0.485	ng/ul	100
21) Benzo(b)fluoranthene	22.81	252	31341m	0.717	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	13859m	0.325	ng/ul	
23) Benzo(a)pyrene	23.38	252	18459	0.453	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.71	276	12433	0.282	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.71	278	3104	0.088	ng/ul#	84
26) Benzo(g,h,i)perylene	26.39	276	9100	0.246	ng/ul	99

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

JU
 06/26/19