

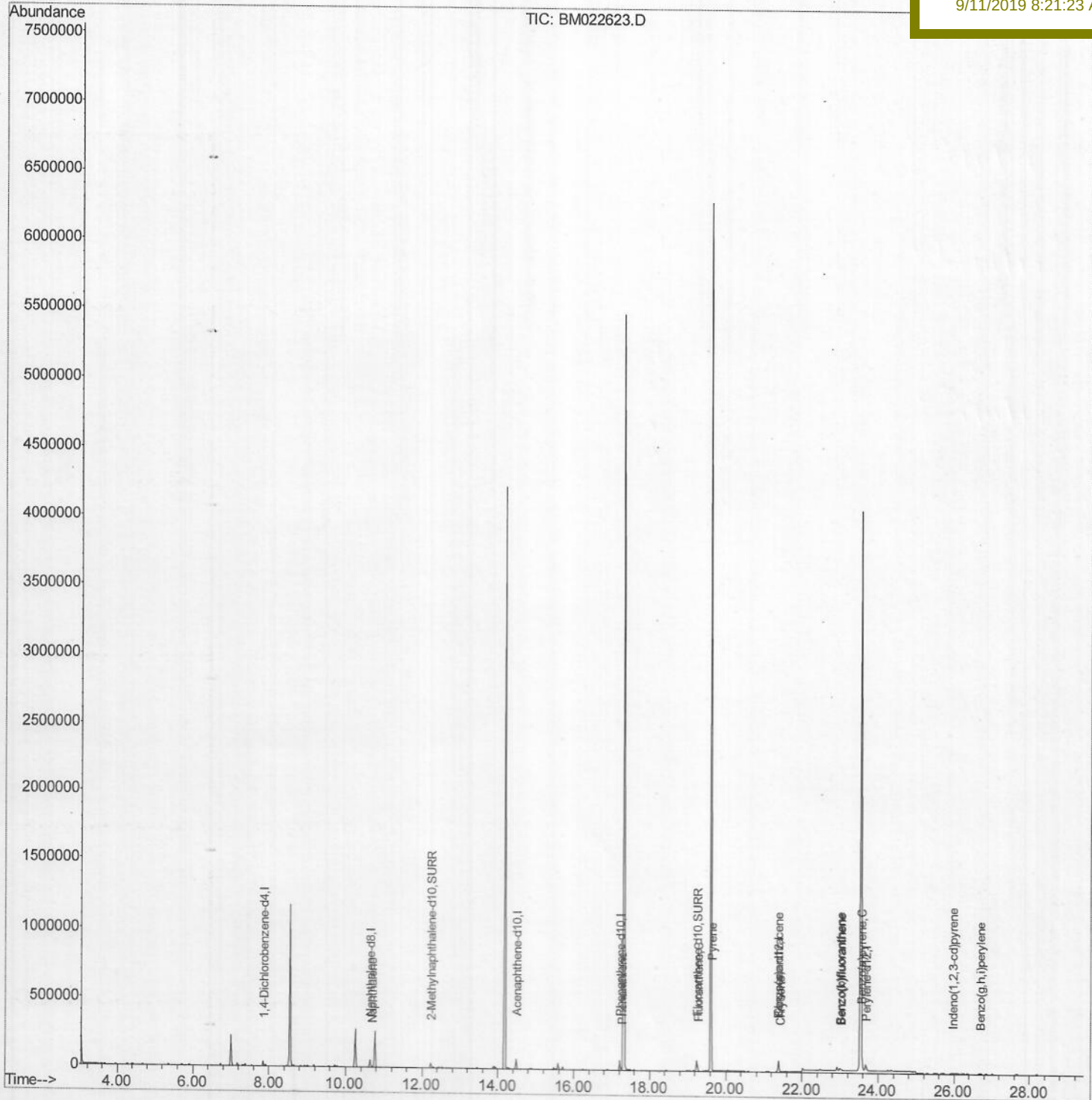
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022623.D
Acq On : 10 Sep 2019 17:08
Operator : HP/JU
Sample : K4708-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:54:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P9

Manual Integrations
APPROVED

mohammad
9/11/2019 8:21:23 AM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:46:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

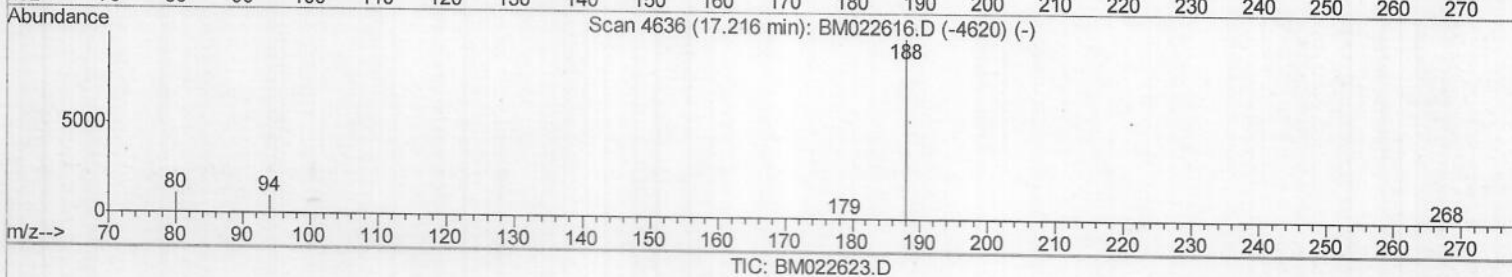
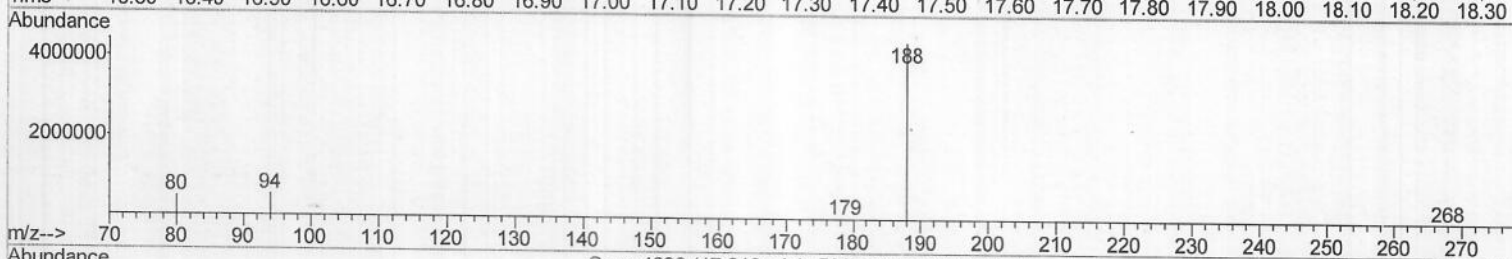
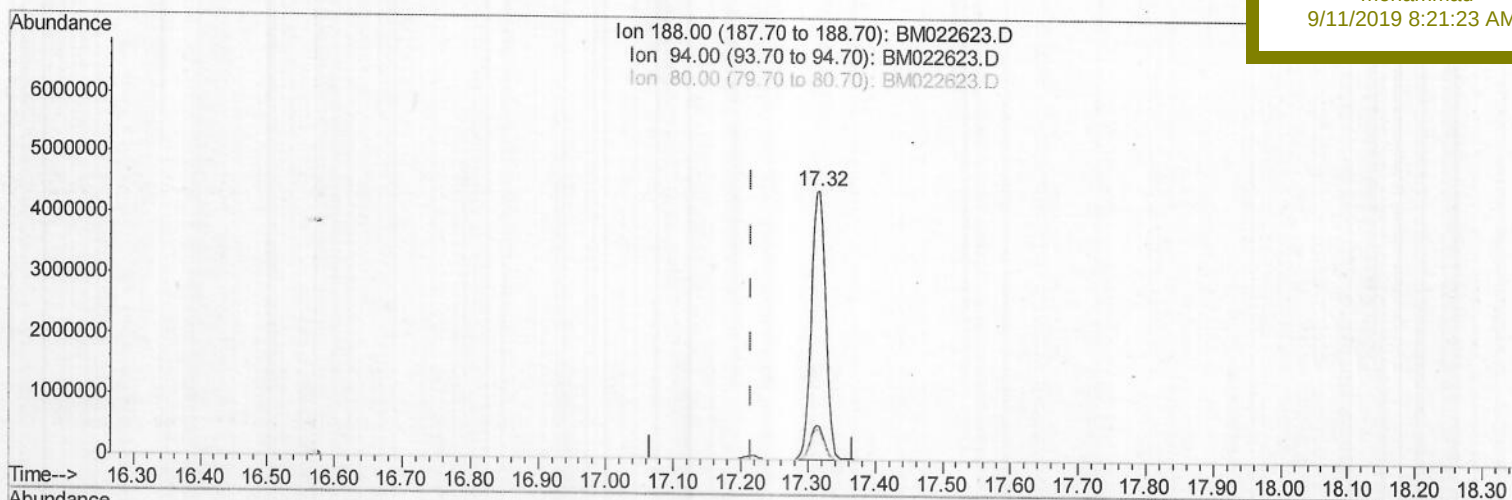
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

(10) Phenanthrene-d10 (I)

17.317min (+0.101) 0.40ng/ul

response 6501334

Ion	Exp%	Act%
-----	------	------

188.00	100	100
--------	-----	-----

94.00	9.80	12.23#
-------	------	--------

80.00	11.00	10.73
-------	-------	-------

0.00	0.00	0.00
------	------	------

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:46:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

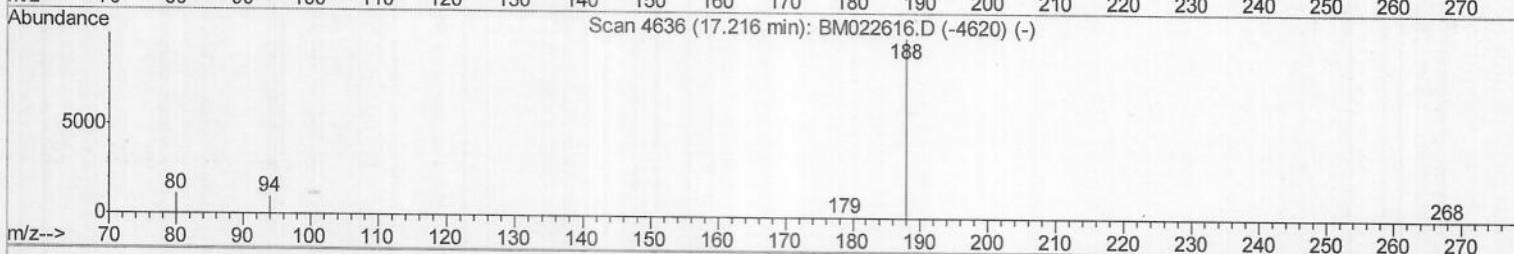
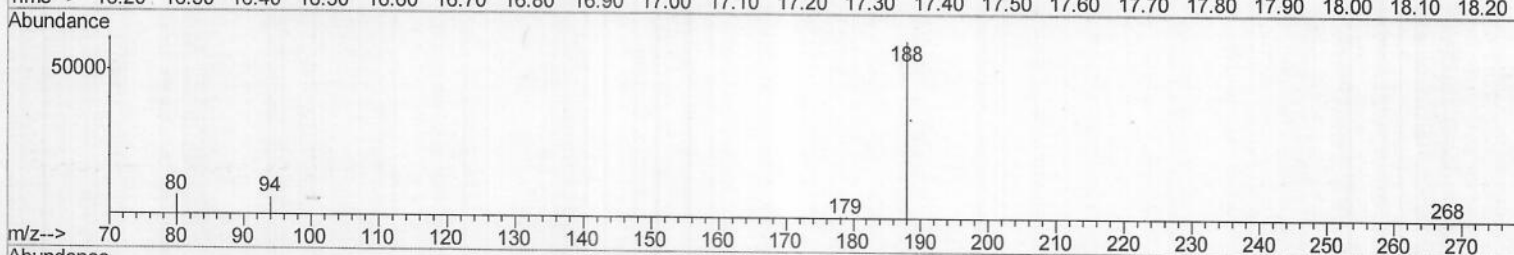
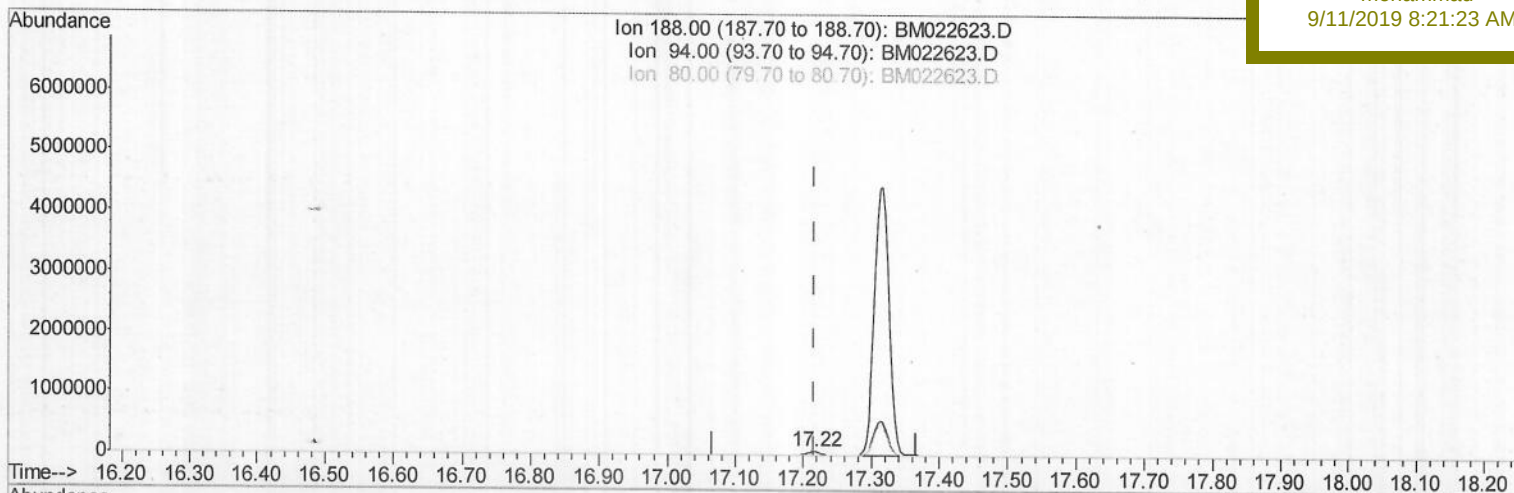
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

TIC: BM022623.D

(10) Phenanthrene-d10 (I)

17.216min (-0.000) 0.40ng/ul m

response 83478

Ion	Exp%	Act%
-----	------	------

188.00	100	100
--------	-----	-----

94.00	9.80	10.01
-------	------	-------

80.00	11.00	10.80
-------	-------	-------

0.00	0.00	0.00
------	------	------

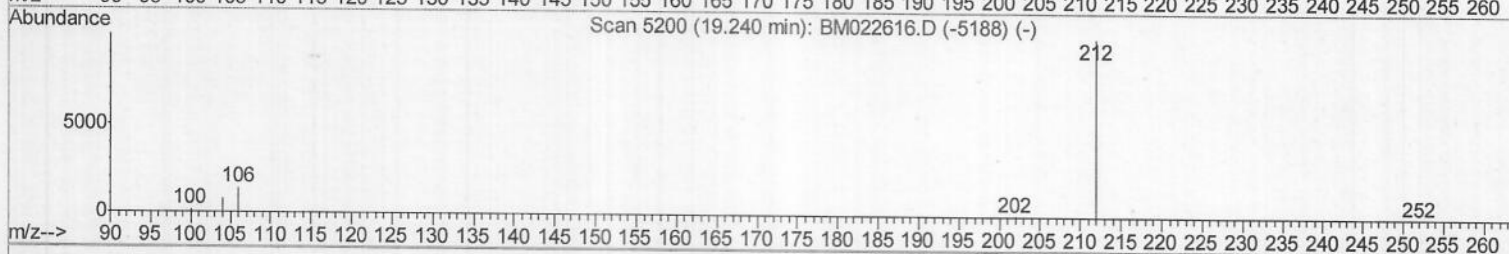
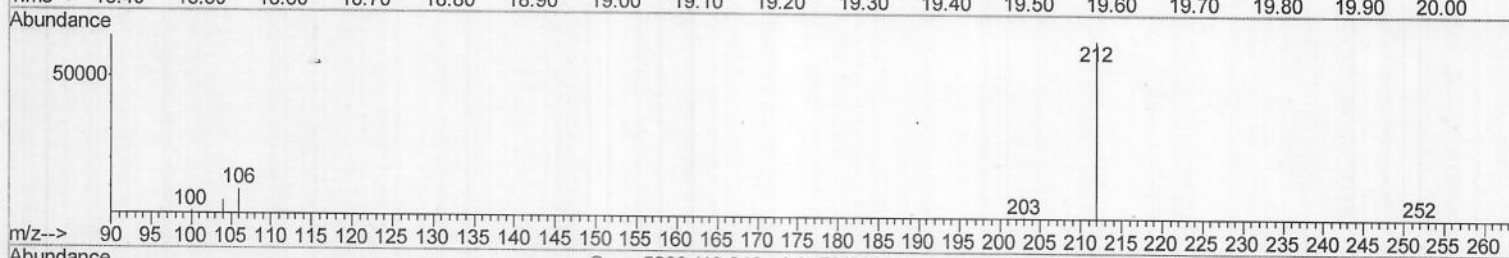
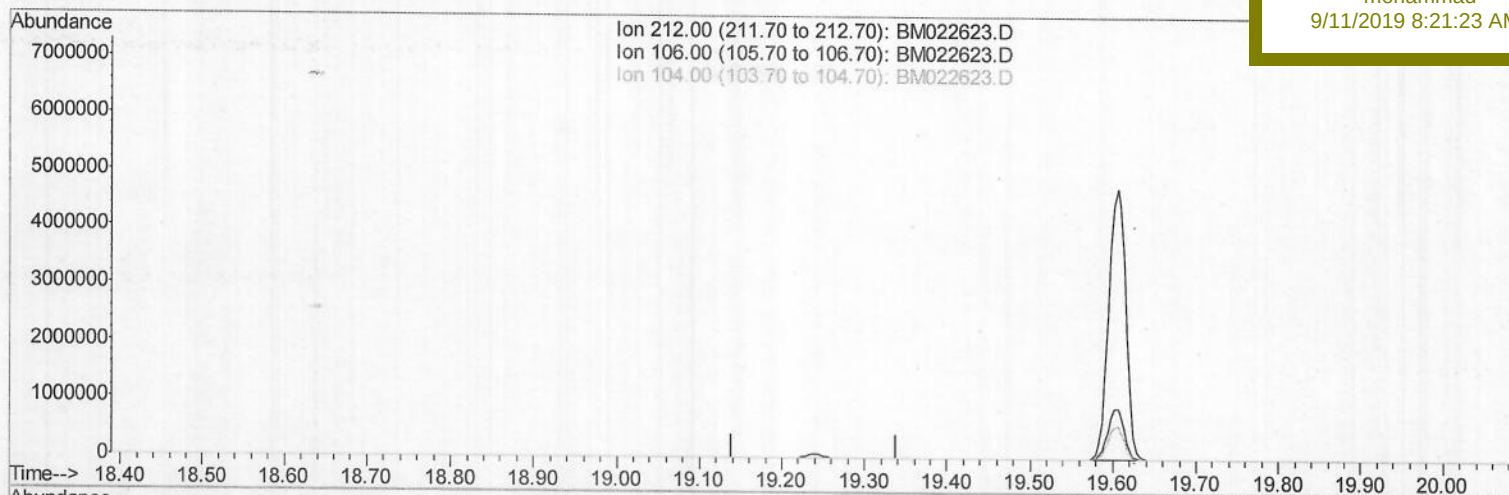
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022623.D
Acq On : 10 Sep 2019 17:08
Operator : HP/JU
Sample : K4708-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:48:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P9

Manual Integrations
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TIC: BM022623.D

(14) Fluoranthene-d10 (SURR)

19.240min (-19.240) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:48:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

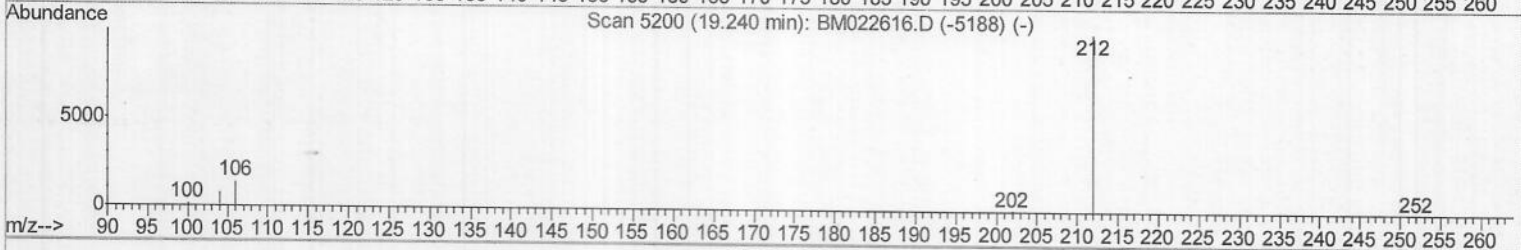
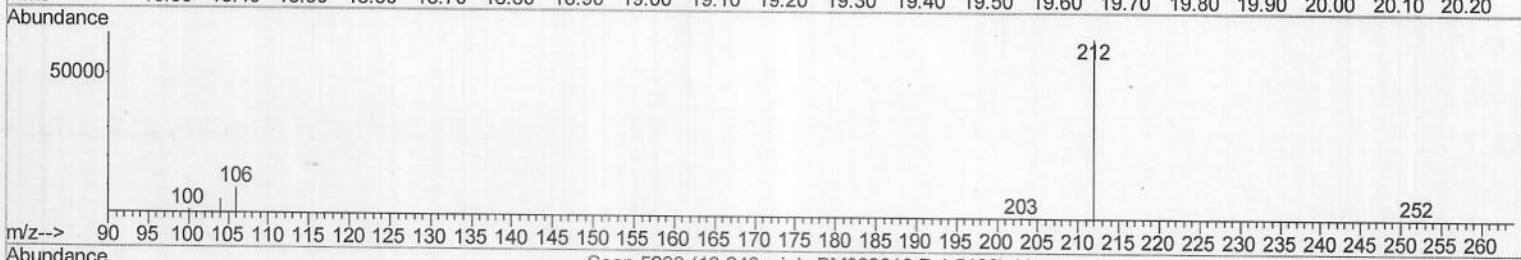
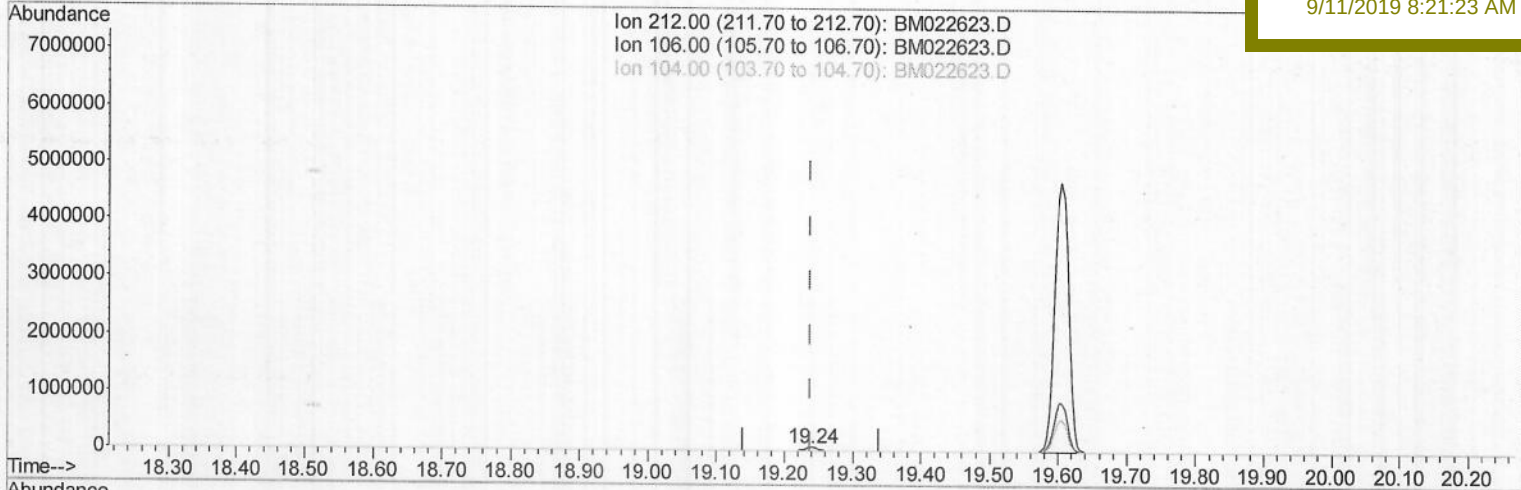
CB5P9

Manual Integrations

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TIC: BM022623.D

(14) Fluoranthene-d10 (SURR)

19.240min (-0.000) 0.37ng/ul m) JU
09111119

response 84551

Ion	Exp%	Act%
212.00	100	100
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:48:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

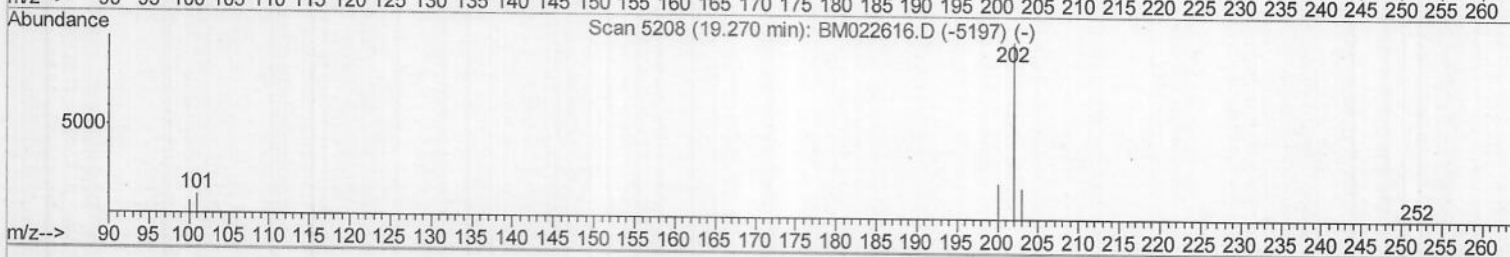
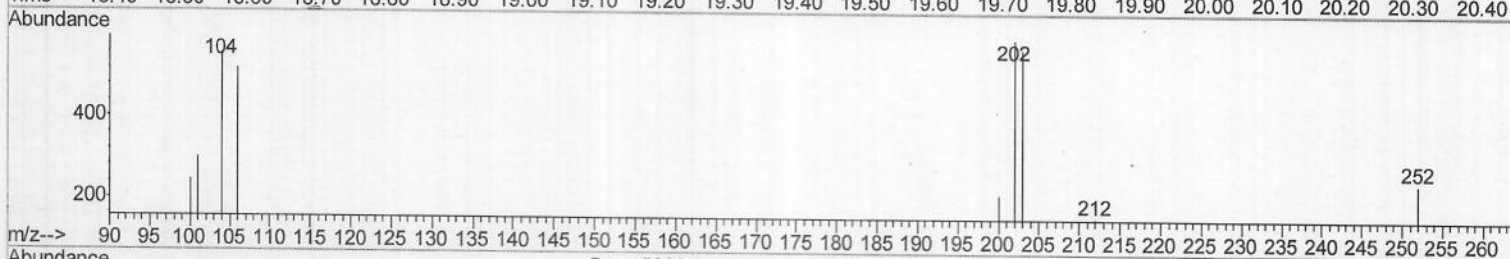
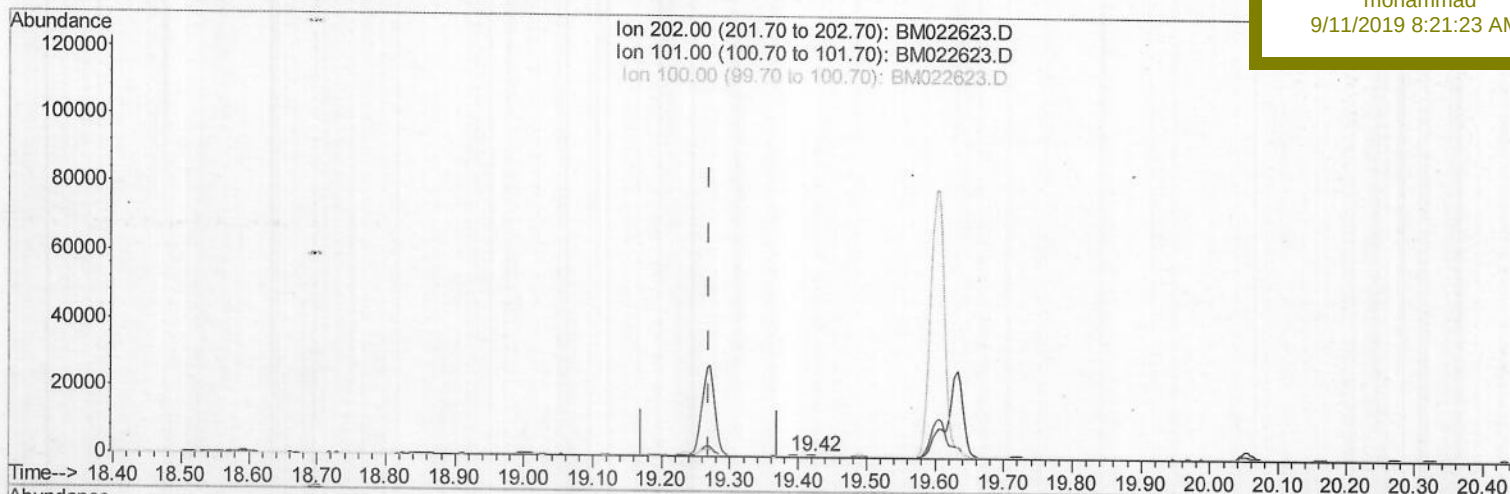
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

TIC: BM022623.D

(15) Fluoranthene (C)

19.423min (+0.152) 0.00ng/ul

response 458

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	50.25#
100.00	8.00	40.90#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:48:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

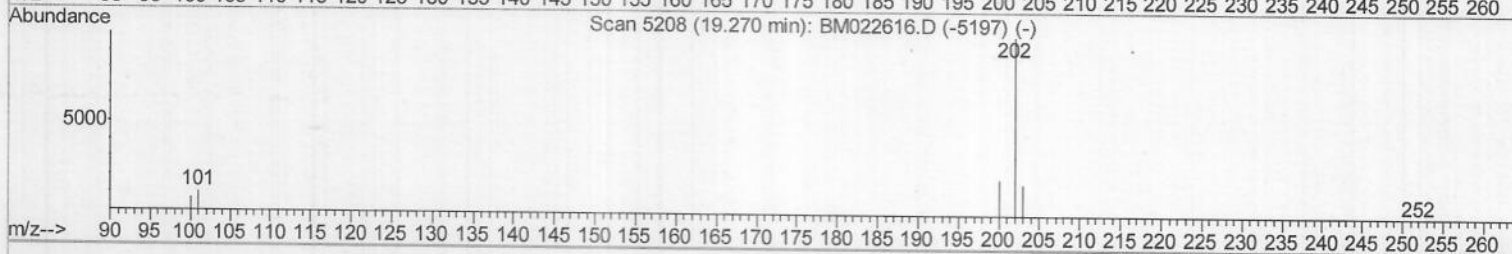
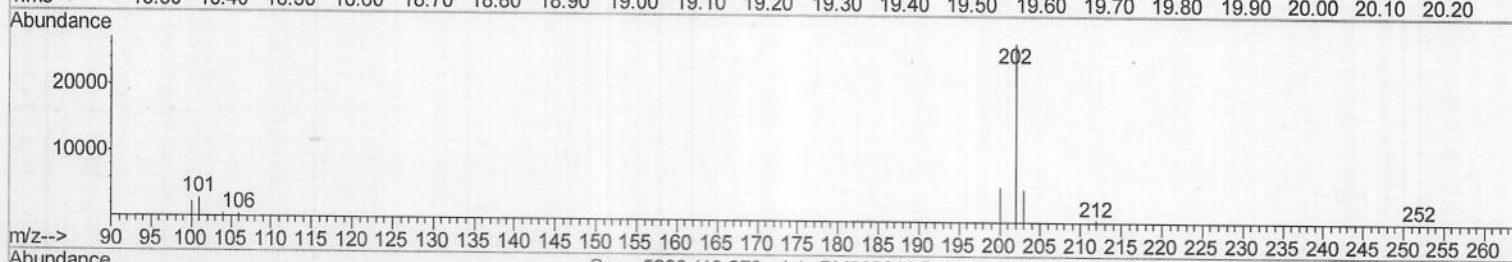
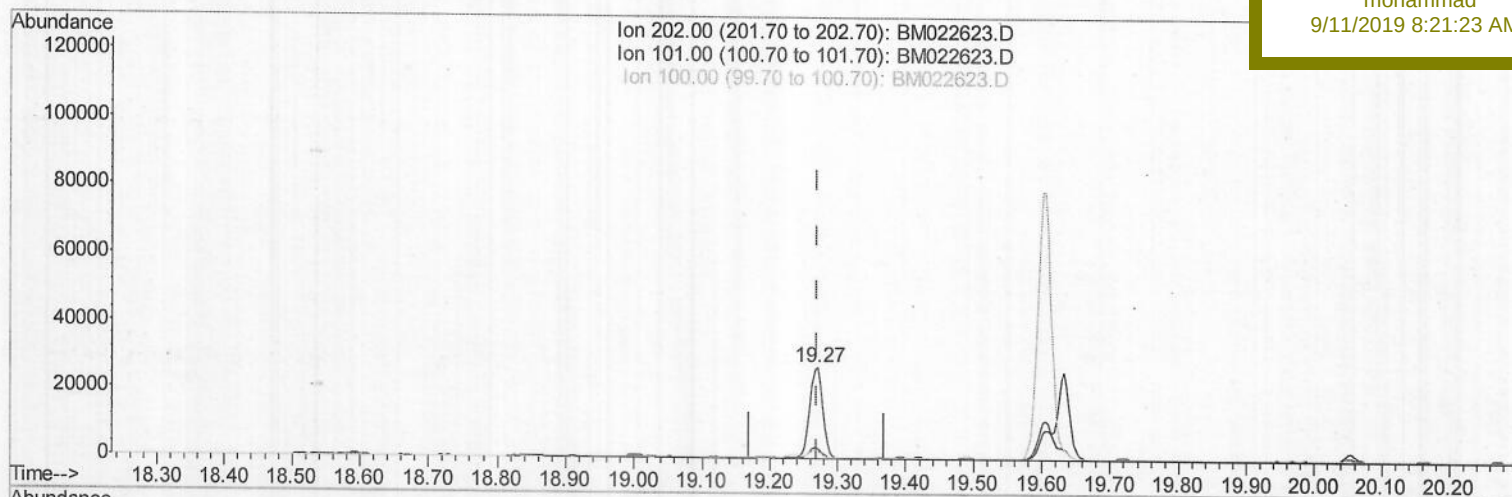
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampled :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

TIC: BM022623.D

(15) Fluoranthene (C)

19.270min (-0.000) 0.12ng/ul m

response 35444

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	10.93
100.00	8.00	8.45
0.00	0.00	0.00

JU
09/11/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:48:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

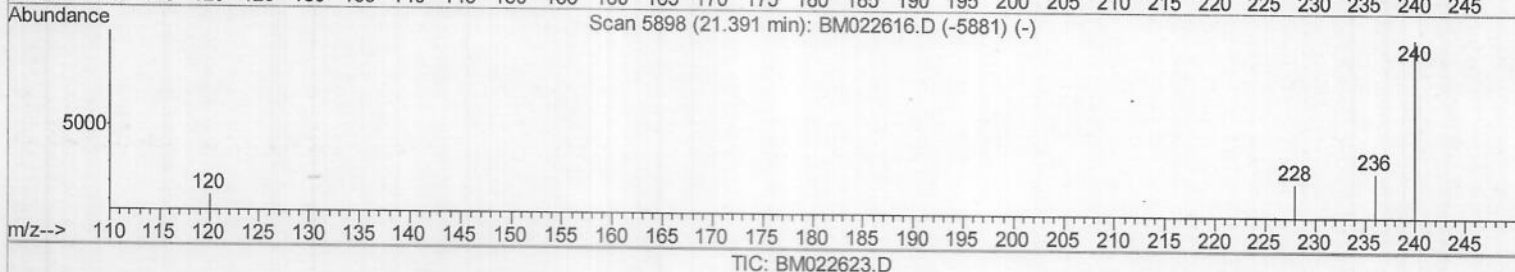
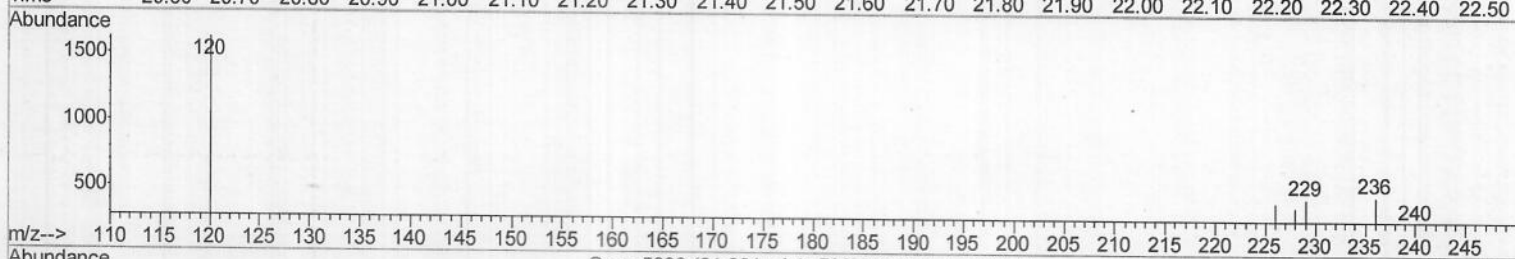
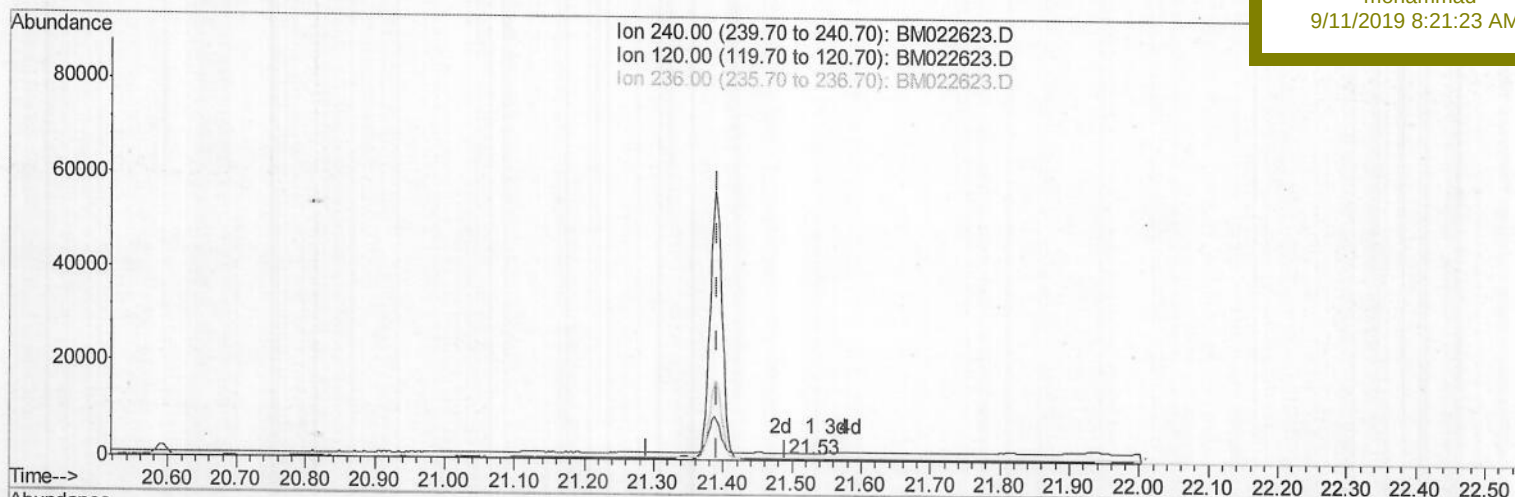
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

(16) Chrysene-d12 (I)

21.529min (+0.138) 0.40ng/ul

response 30

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	569.72#
236.00	28.80	164.44#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:48:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

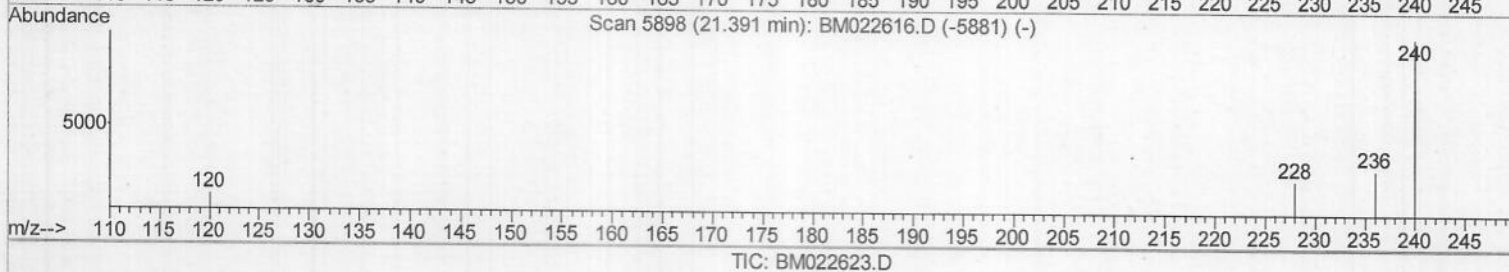
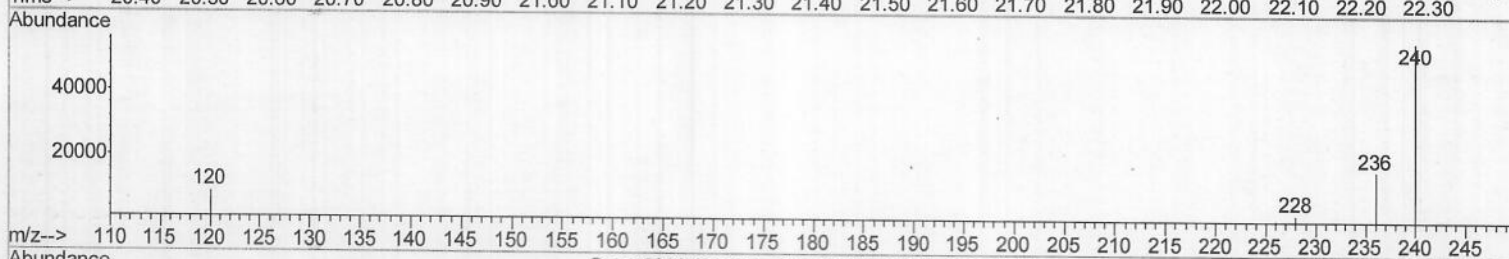
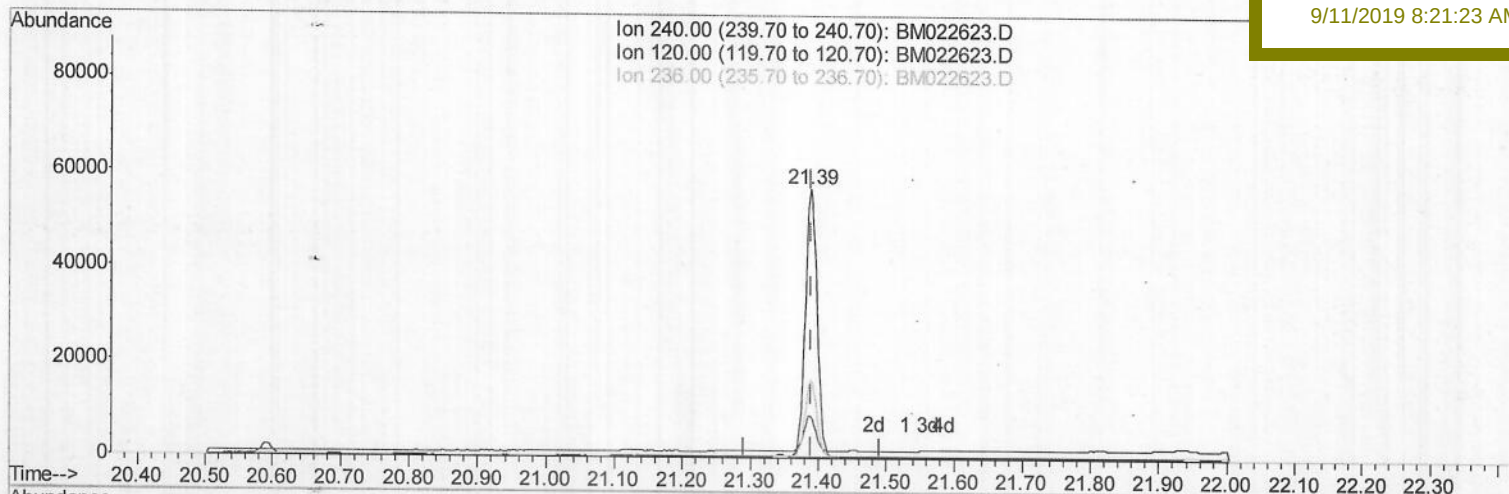
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

(16) Chrysene-d12 (I)

21.389min (-0.003) 0.40ng/ul m

response 68627

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	15.47
236.00	28.80	29.26
0.00	0.00	0.00

JU
09/11/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:52:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

Response via : Initial Calibration

Instrument :

BNA_M

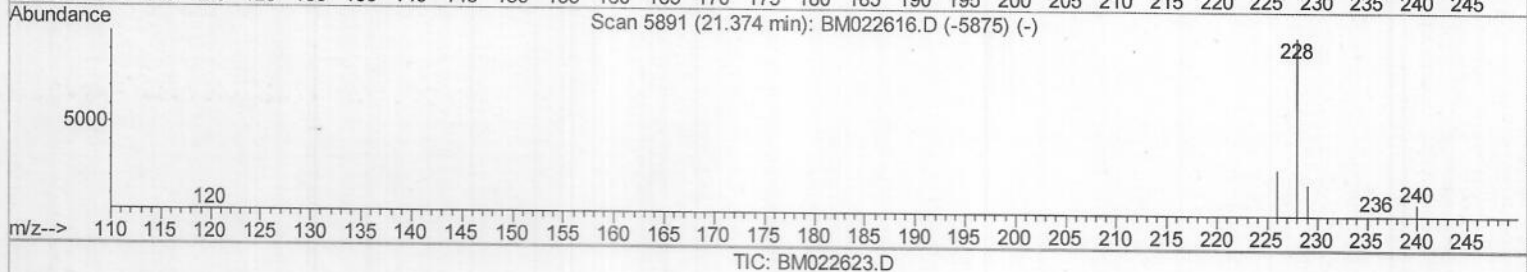
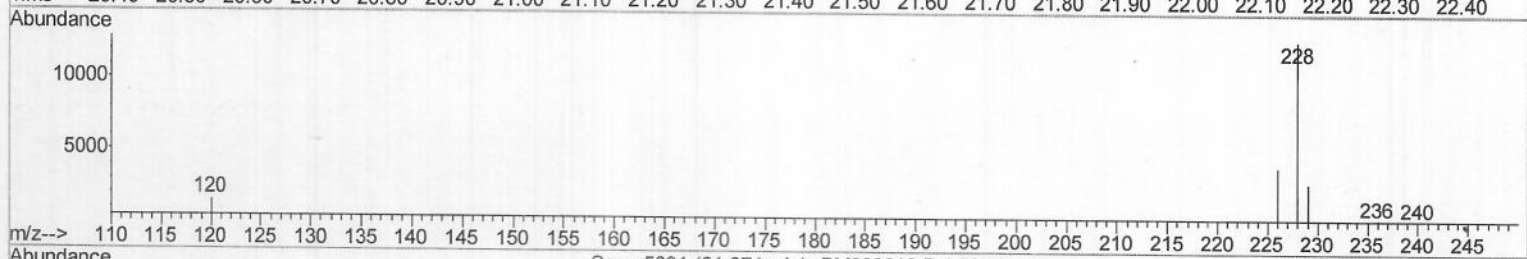
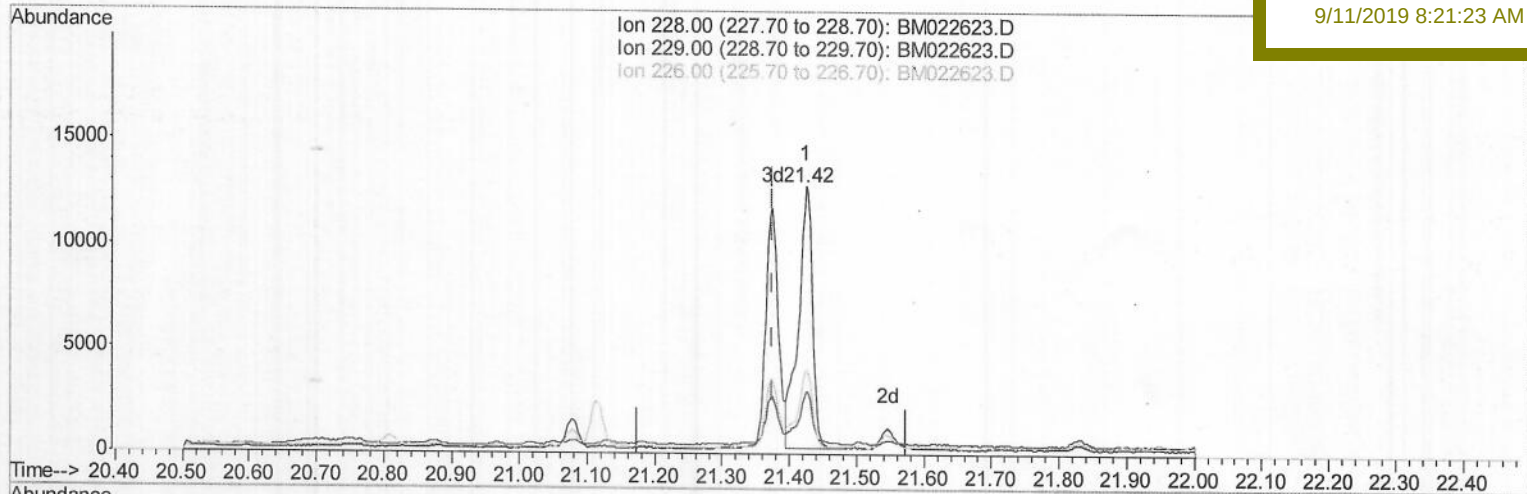
ClientSampleId :

CB5P9

Manual Integrations
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(18) Benzo(a)anthracene

21.425min (+0.051) 0.07ng/ul

response 18600

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.11
226.00	27.50	32.05
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:52:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

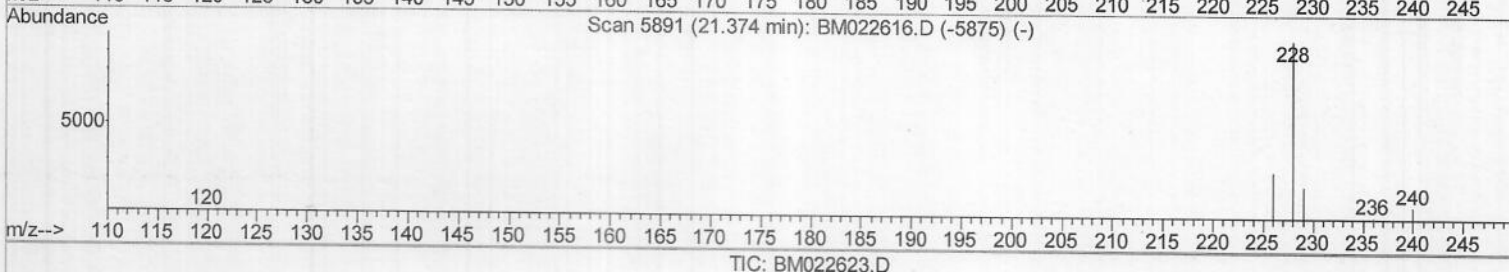
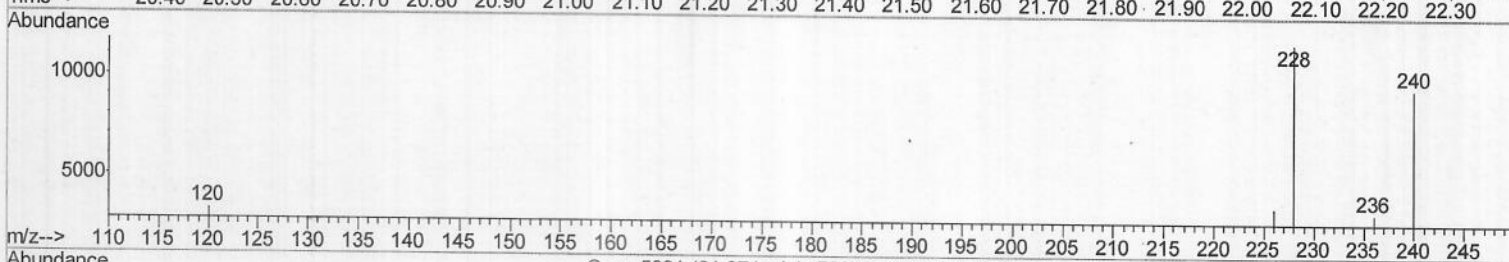
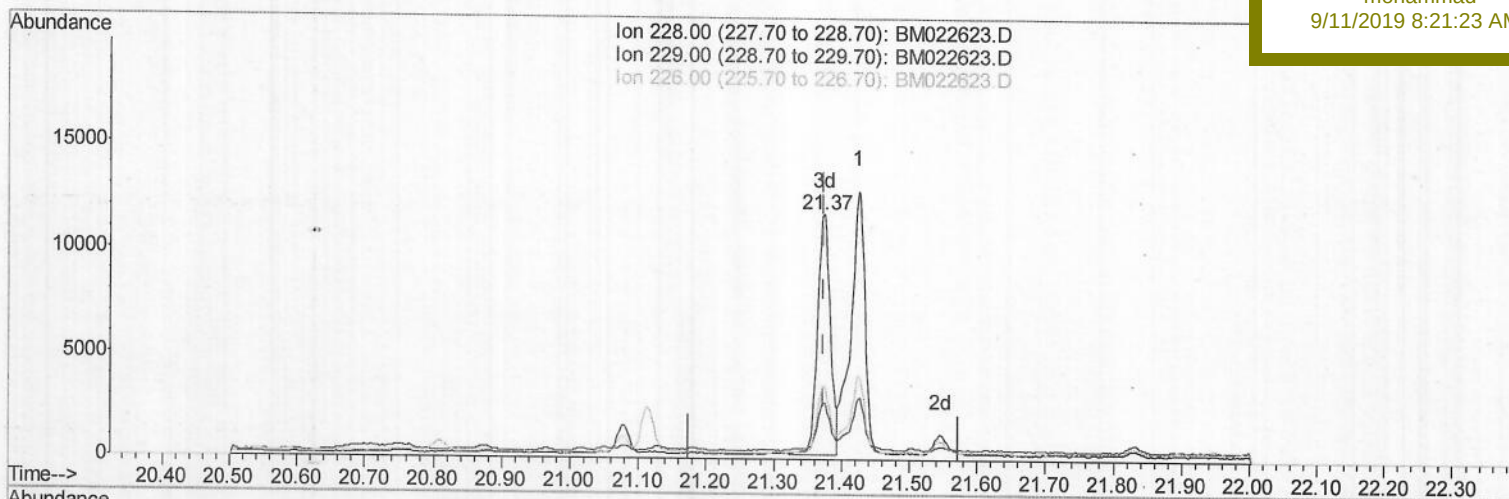
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

(18) Benzo(a)anthracene

21.374min (-0.000) 0.06ng/ul m

response 14961

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.43#
226.00	27.50	30.39
0.00	0.00	0.00

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Quantitation Report (Qedit)

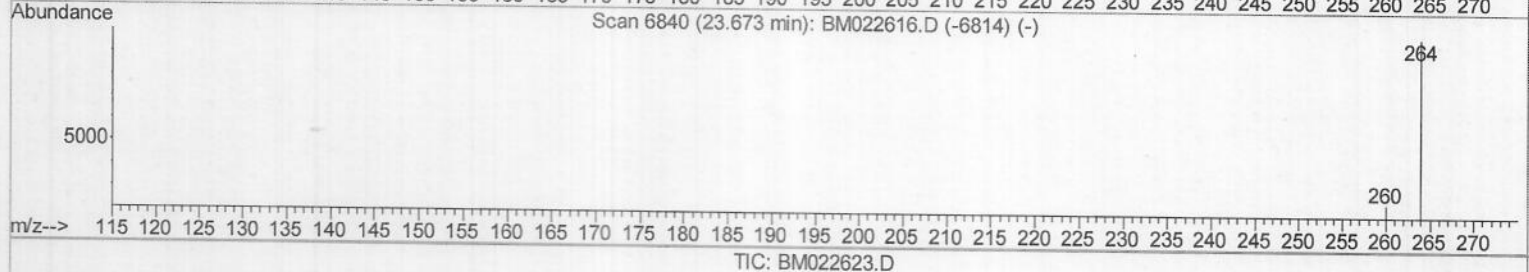
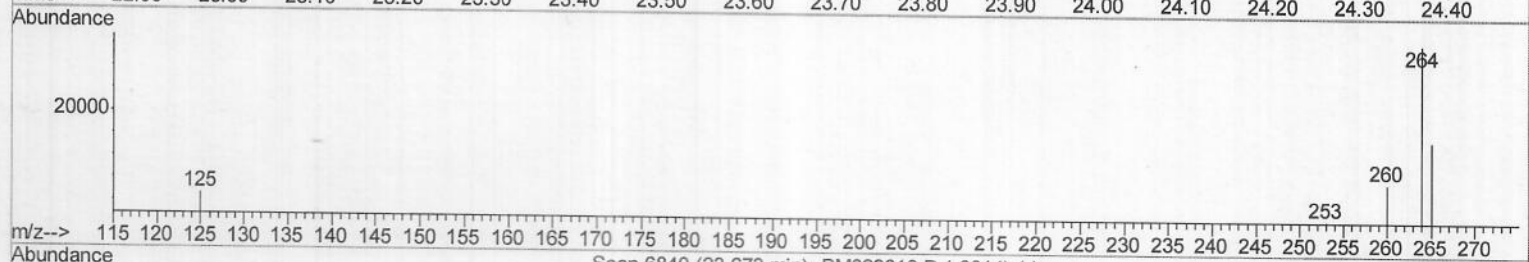
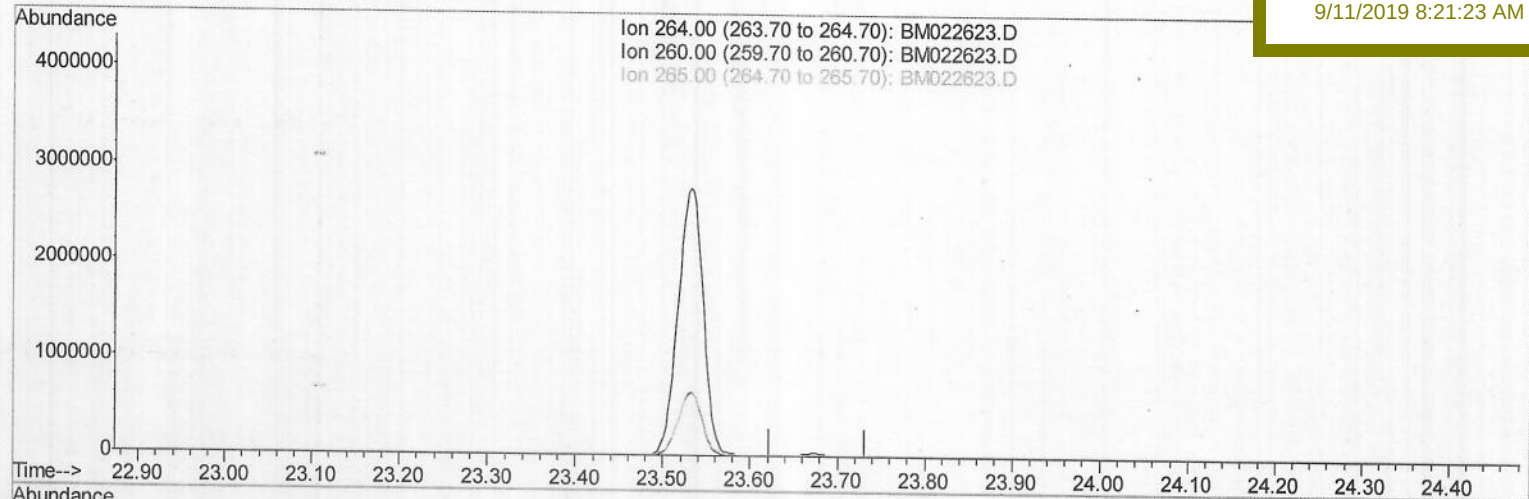
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
 Data File : BM022623.D
 Acq On : 10 Sep 2019 17:08
 Operator : HP/JU
 Sample : K4708-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:52:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 CB5P9

Manual Integrations
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 9/11/2019 8:21:23 AM



(20) Perylene-d12 (I)
 23.673min (-23.673) 0.00ng/ul
 response 0

Ion	Exp%	Act%
264.00	100	0.00
260.00	25.60	0.00#
265.00	59.90	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:52:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

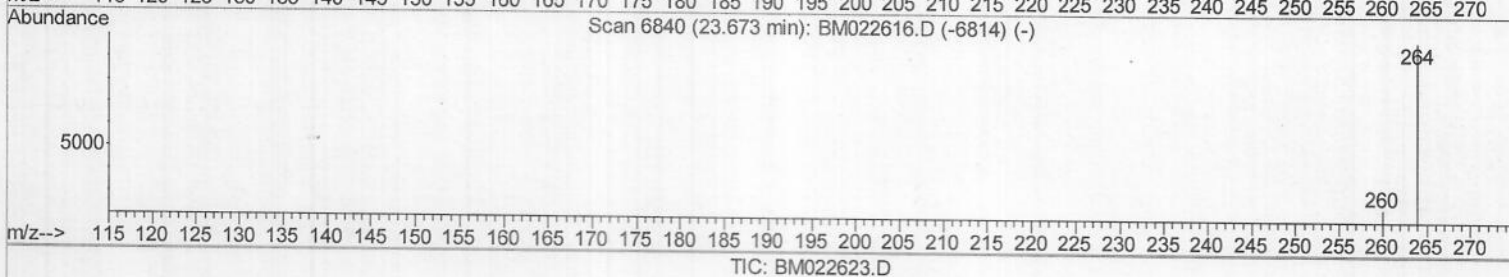
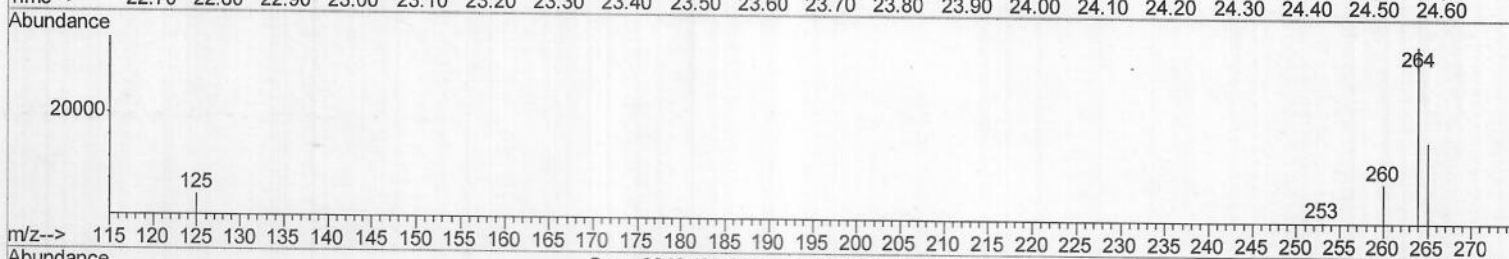
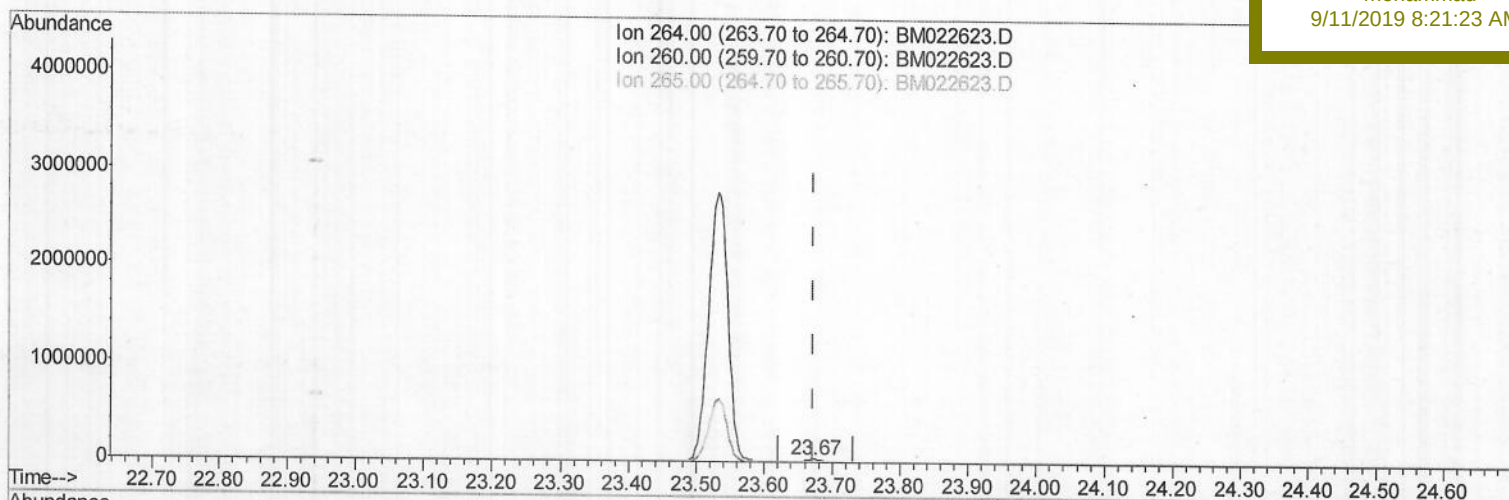
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB5P9

Manual Integrations
APPROVEDmohammad
9/11/2019 8:21:23 AM

(20) Perylene-d12 (I)

23.673min (-0.000) 0.40ng/ul m

response 53467

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	25.62
265.00	59.90	48.41
0.00	0.00	0.00

JU
09/11/19

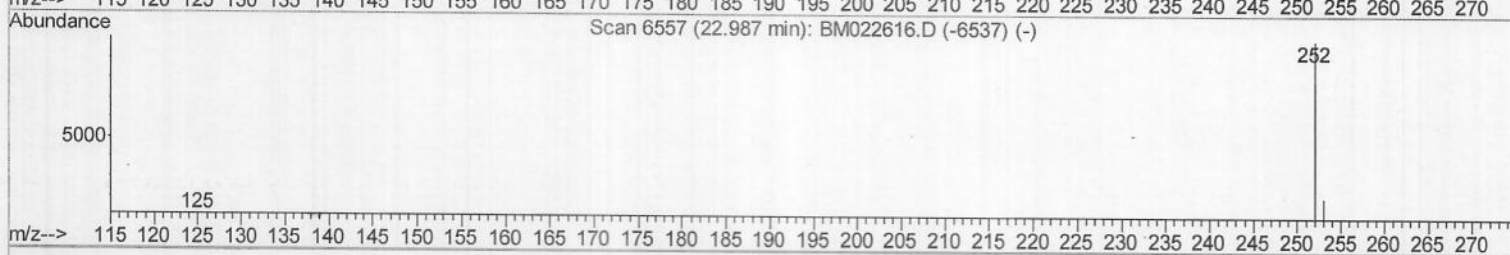
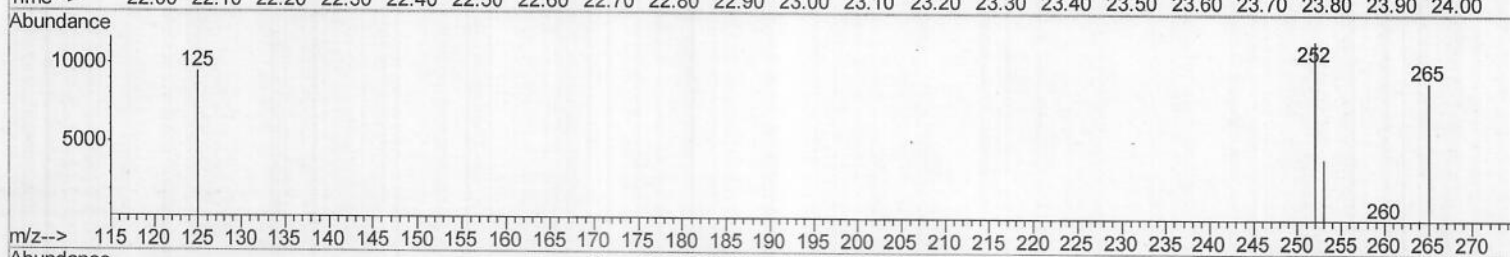
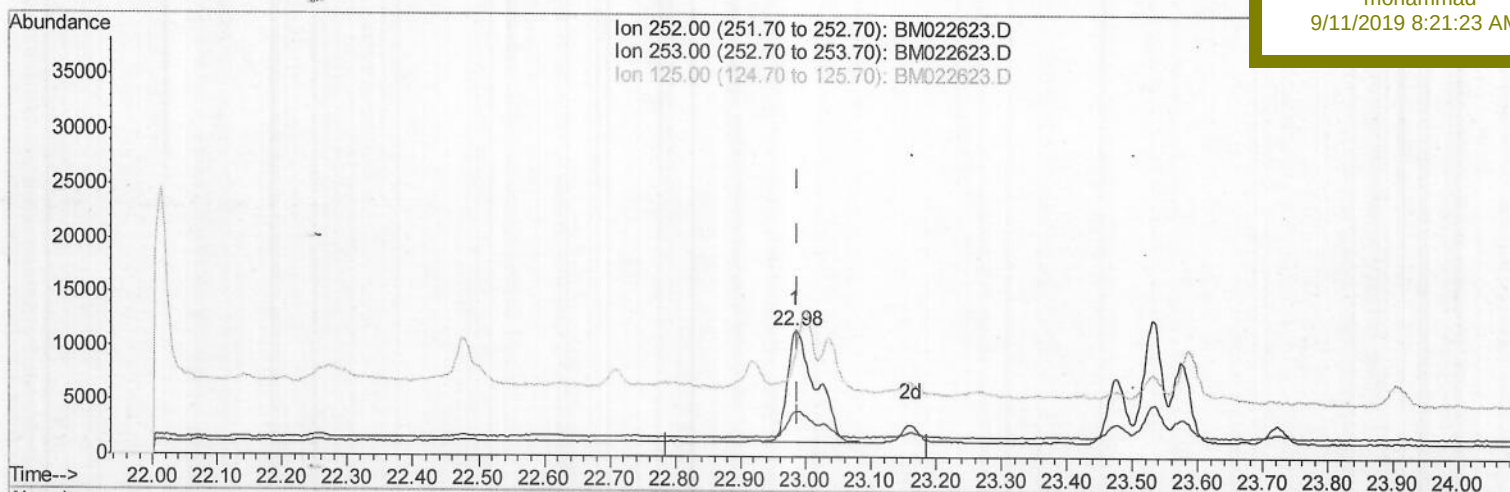
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022623.D
Acq On : 10 Sep 2019 17:08
Operator : HP/JU
Sample : K4708-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:53:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P9

Manual Integrations
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9/11/2019 8:21:23 AM



TIC: BM022623.D

(21) Benzo(b)fluoranthene
22.985min (-0.003) 0.13ng/ul
response 31000

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	35.75
125.00	15.60	81.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:53:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

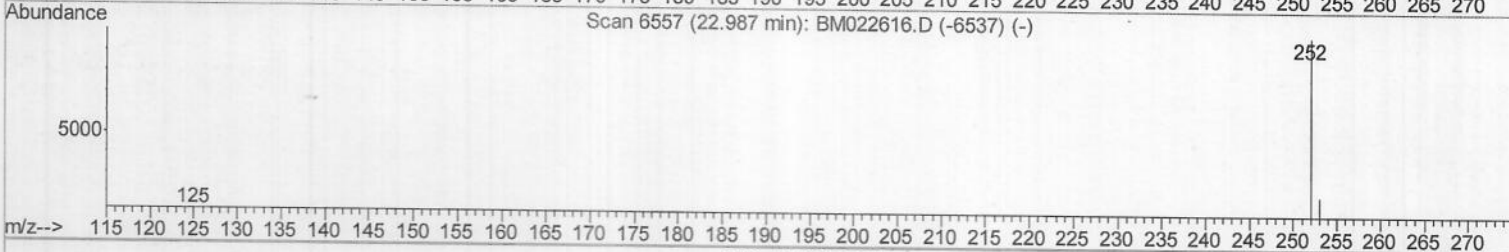
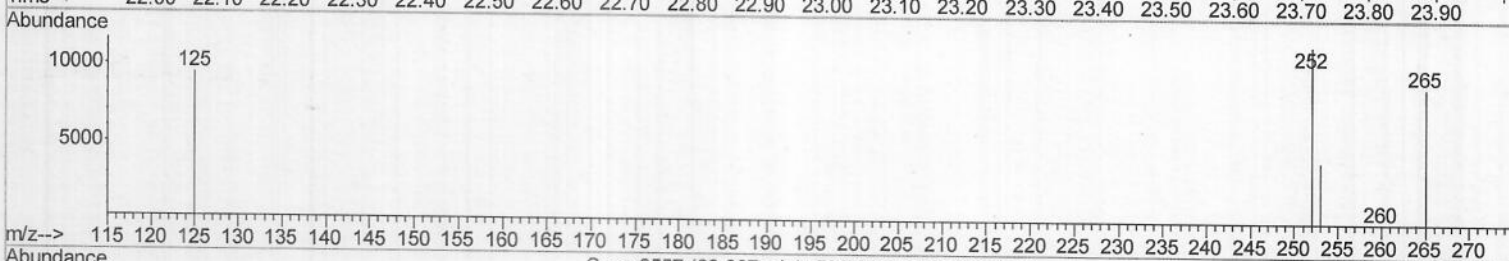
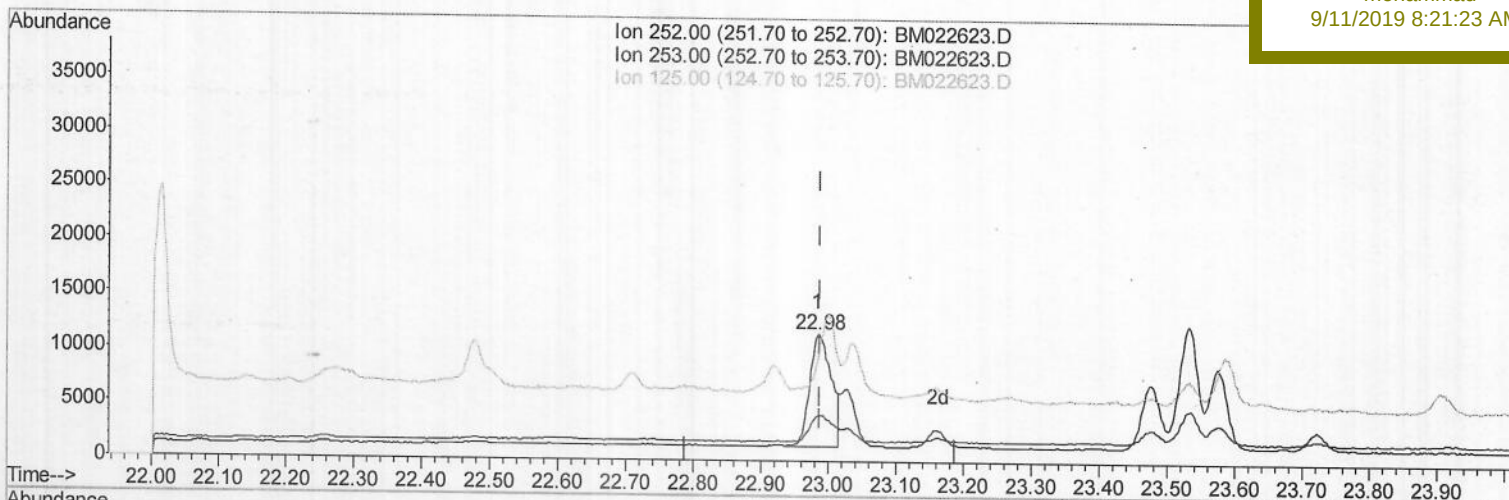
CB5P9

Manual Integrations

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9/11/2019 8:21:23 AM



(21) Benzo(b)fluoranthene

22.985min (-0.003) 0.10ng/ul m) JU
09/11/19

response 22455

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	35.75
125.00	15.60	81.08#
0.00	0.00	0.00

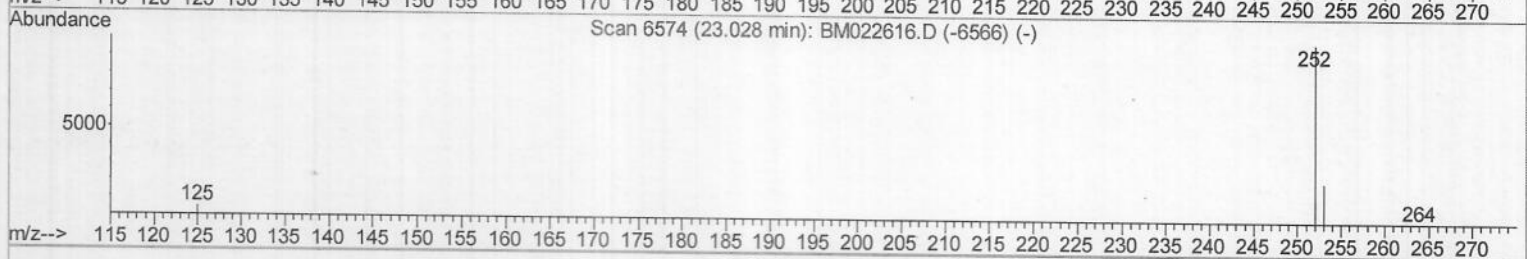
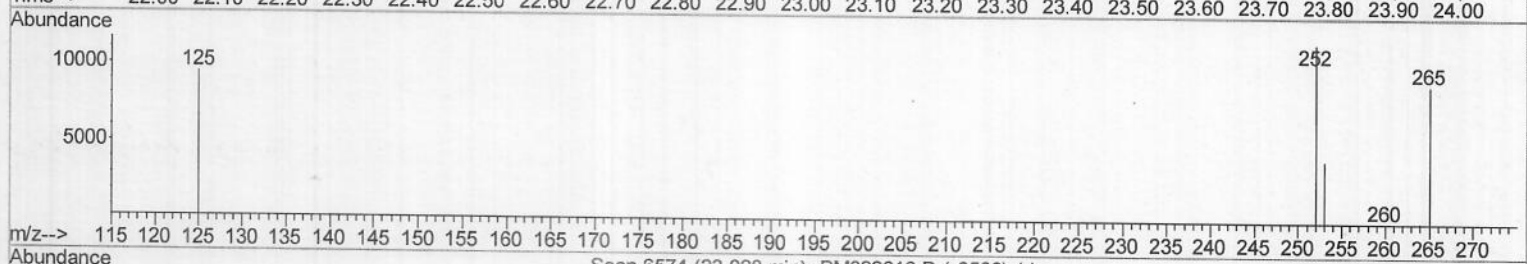
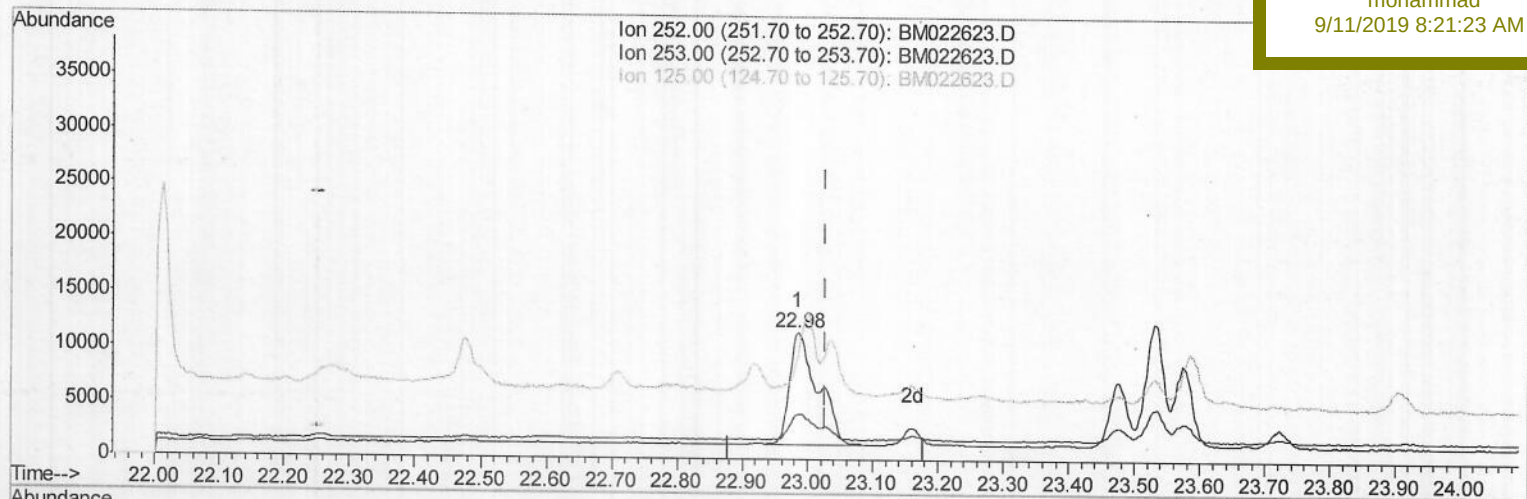
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022623.D
Acq On : 10 Sep 2019 17:08
Operator : HP/JU
Sample : K4708-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:53:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P9

Manual Integrations
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TIC: BM022623.D

(22) Benzo(k)fluoranthene
22.985min (-0.044) 0.13ng/ul
response 31000

Ion	Exp%	Act%
252.00	100	100
253.00	24.40	35.75#
125.00	14.00	81.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\

Data File : BM022623.D

Acq On : 10 Sep 2019 17:08

Operator : HP/JU

Sample : K4708-02

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:53:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

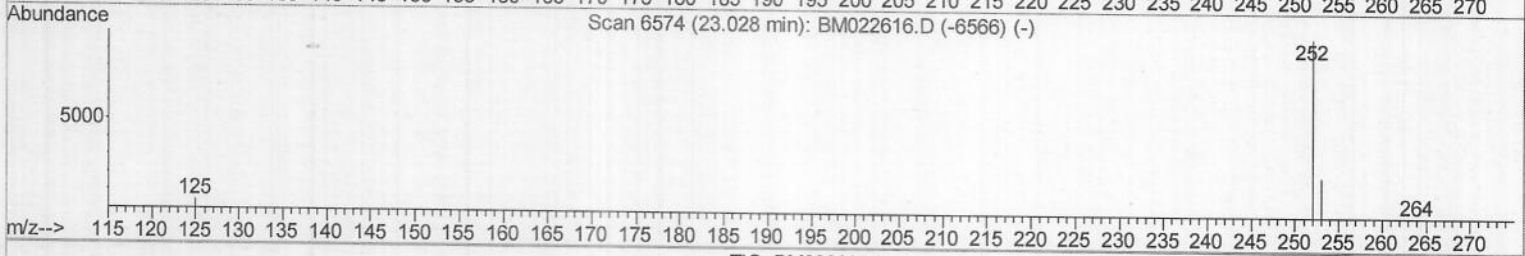
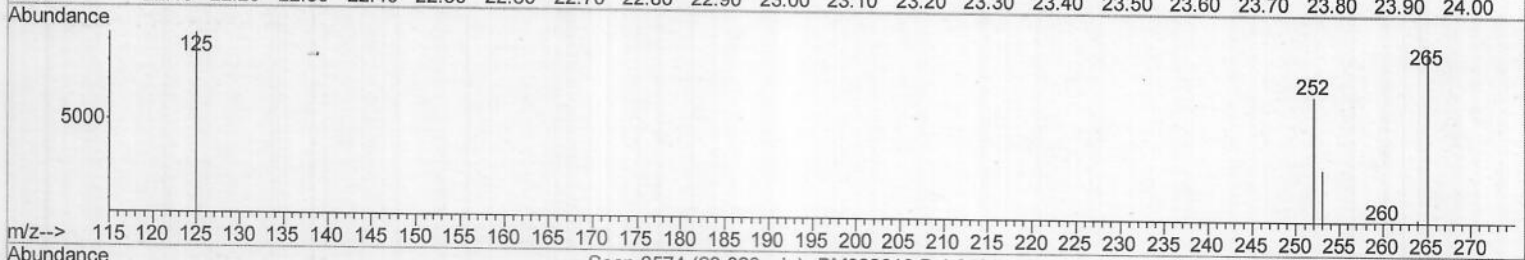
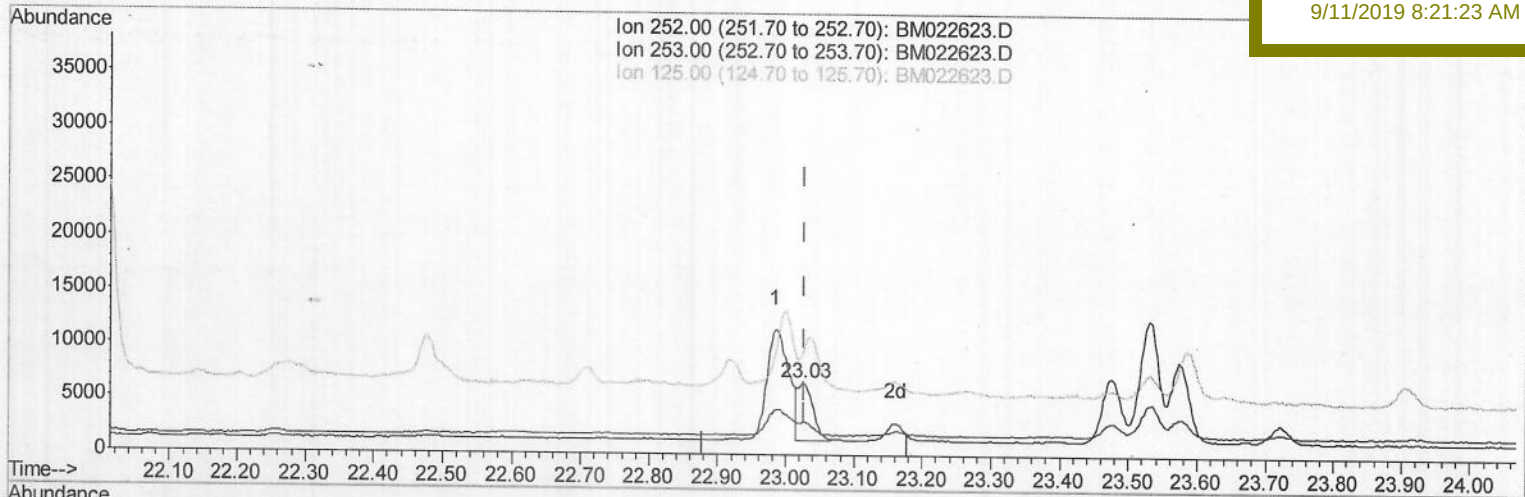
CB5P9

Manual Integrations

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9/11/2019 8:21:23 AM



TIC: BM022623.D

(22) Benzo(k)fluoranthene

23.026min (-0.002) 0.04ng/ul m) JU
09/11/19

response 8494

Ion	Exp%	Act%
252.00	100	100
253.00	24.40	45.41#
125.00	14.00	141.71#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
 Data File : BM022623.D
 Acq On : 10 Sep 2019 17:08
 Operator : HP/JU
 Sample : K4708-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5P9

Quant Time: Sep 10 17:54:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Manual Integrations
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 9/11/2019 8:21:23 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	15916	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	66845	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	36743	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	83478m)	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	68627m)	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	53467m)	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.23	152	39521	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	84551m)	0.37	ng/ul	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.69	128	5492	0.029	ng/ul#	93
12) Phenanthrene	17.26	178	17437	0.066	ng/ul	96
15) Fluoranthene	19.27	202	35444m)	0.123	ng/ul	96
17) Pyrene	19.63	202	32144	0.103	ng/ul#	96
18) Benzo(a)anthracene	21.37	228	14961m)	0.057	ng/ul	94
19) Chrysene	21.42	228	18571	0.067	ng/ul	94
21) Benzo(b)fluoranthene	22.98	252	22455m)	0.097	ng/ul	14
22) Benzo(k)fluoranthene	23.03	252	8494m)	0.036	ng/ul	94
23) Benzo(a)pyrene	23.57	252	13055	0.064	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.99	276	9375	0.038	ng/ul#	94
26) Benzo(g,h,i)perylene	26.69	276	9147	0.046	ng/ul#	73

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