

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
Data File : BM022656.D
Acq On : 11 Sep 2019 14:28
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:16:53 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 :

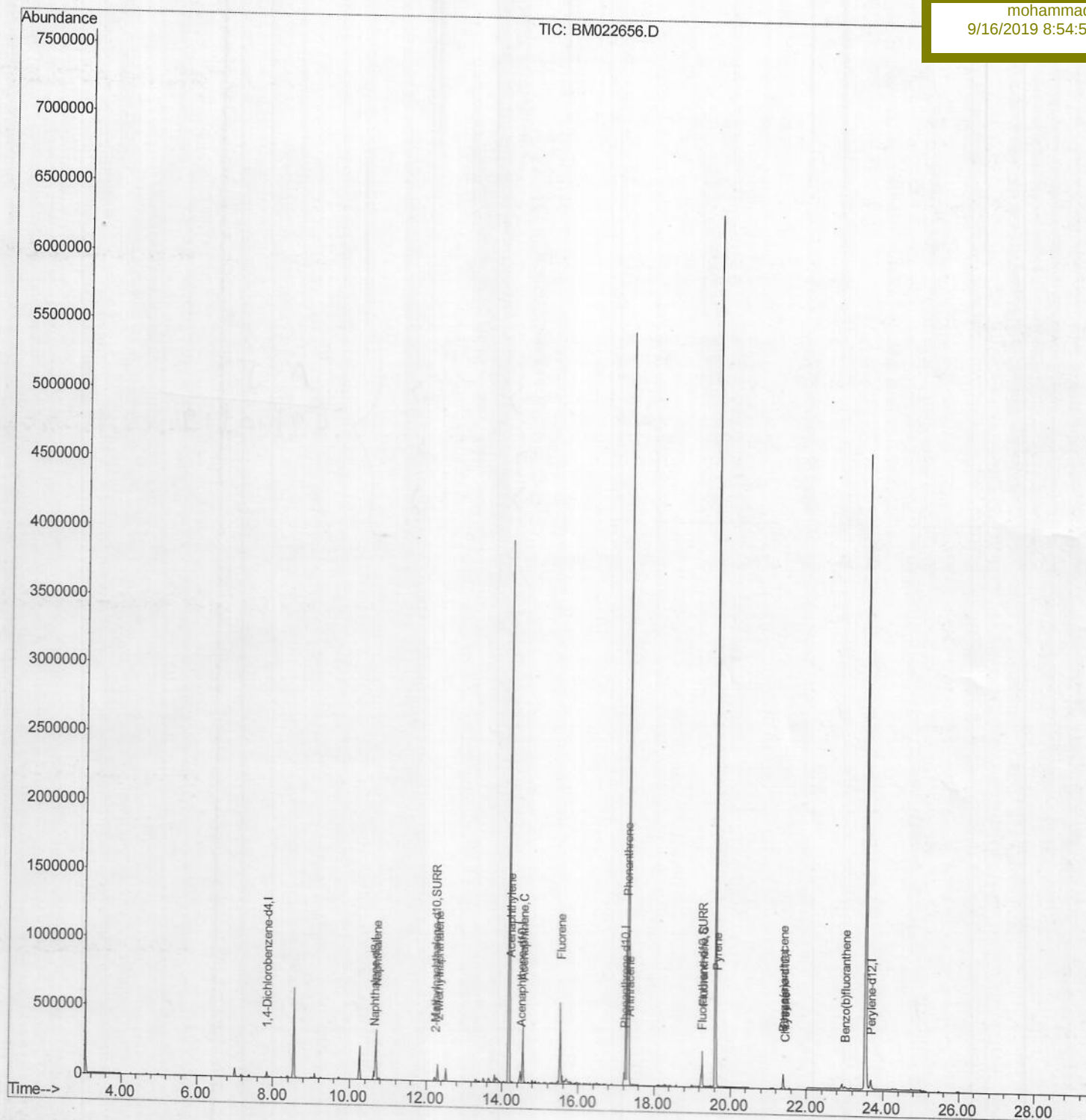
BF574

Manual Integrations

APPROVED

mohammad

9/16/2019 8:54:57 AM



Quantitation Report (Qedit)

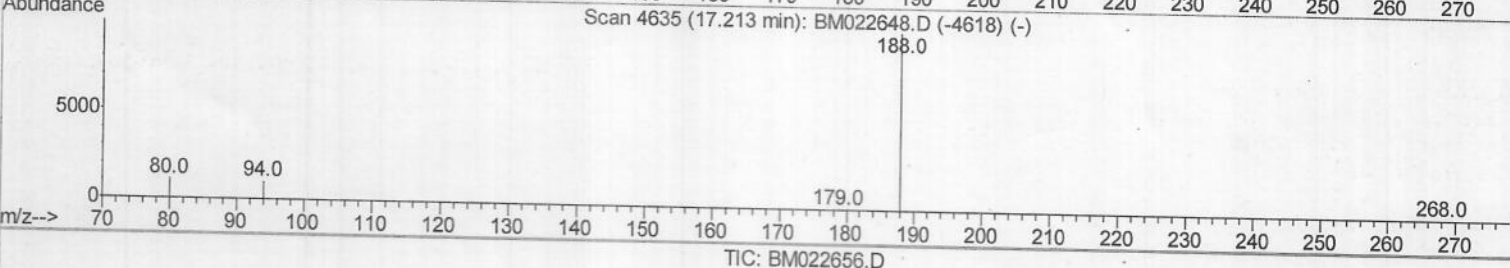
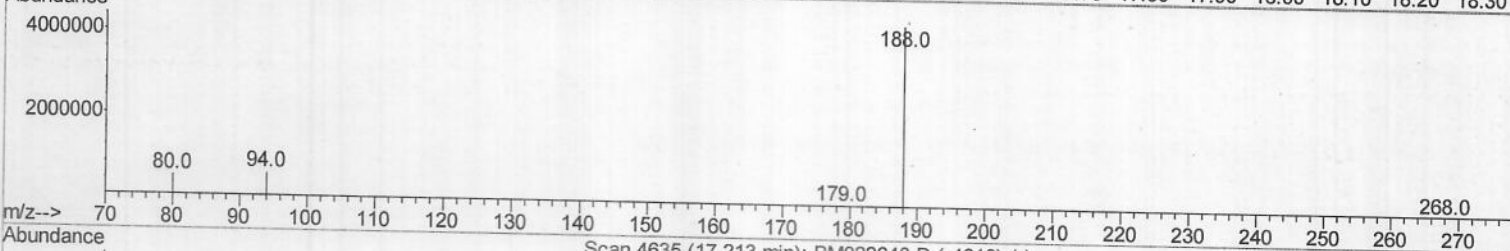
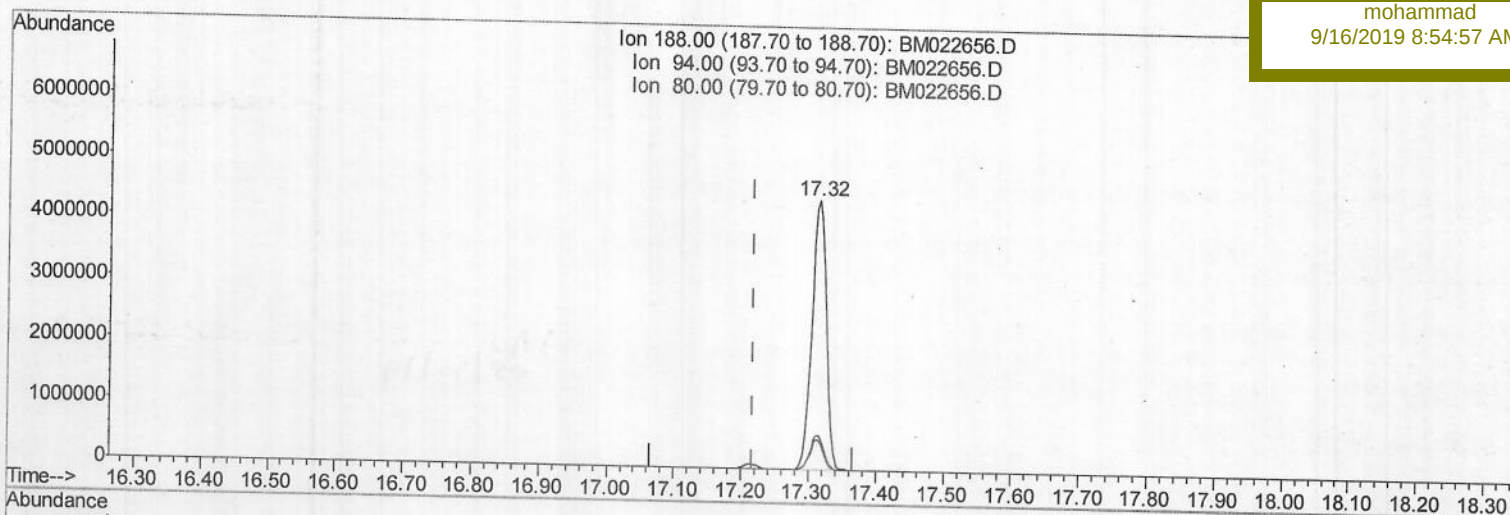
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:02:58 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 :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:57 AM



(10) Phenanthrene-d10 (I)
 17.315min (+0.099) 0.40ng/ul
 response 6544213

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	12.53#
80.00	11.00	10.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:02:58 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 :

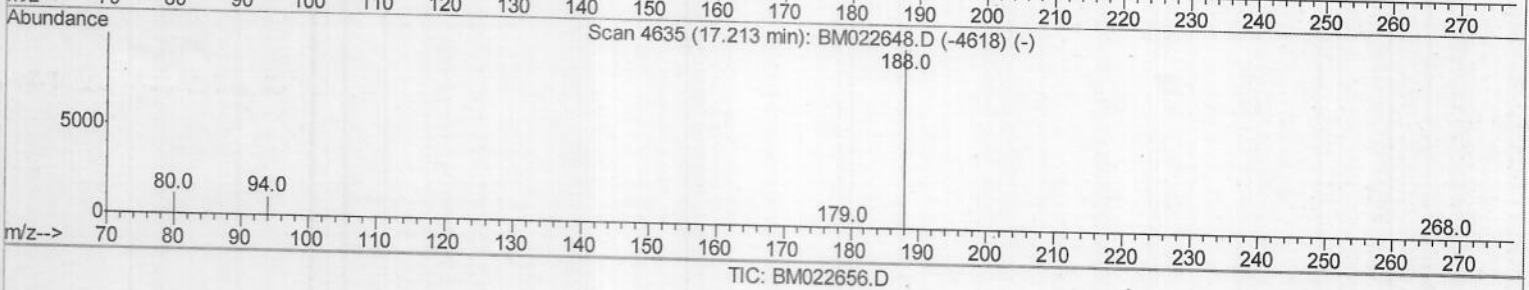
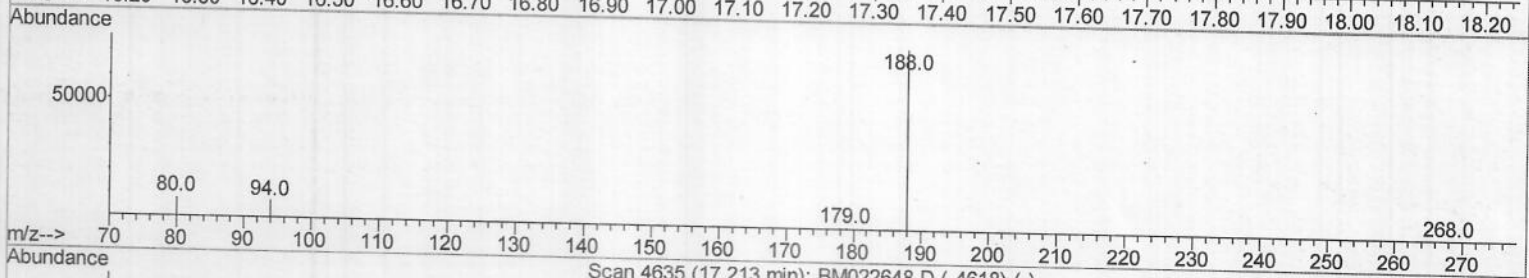
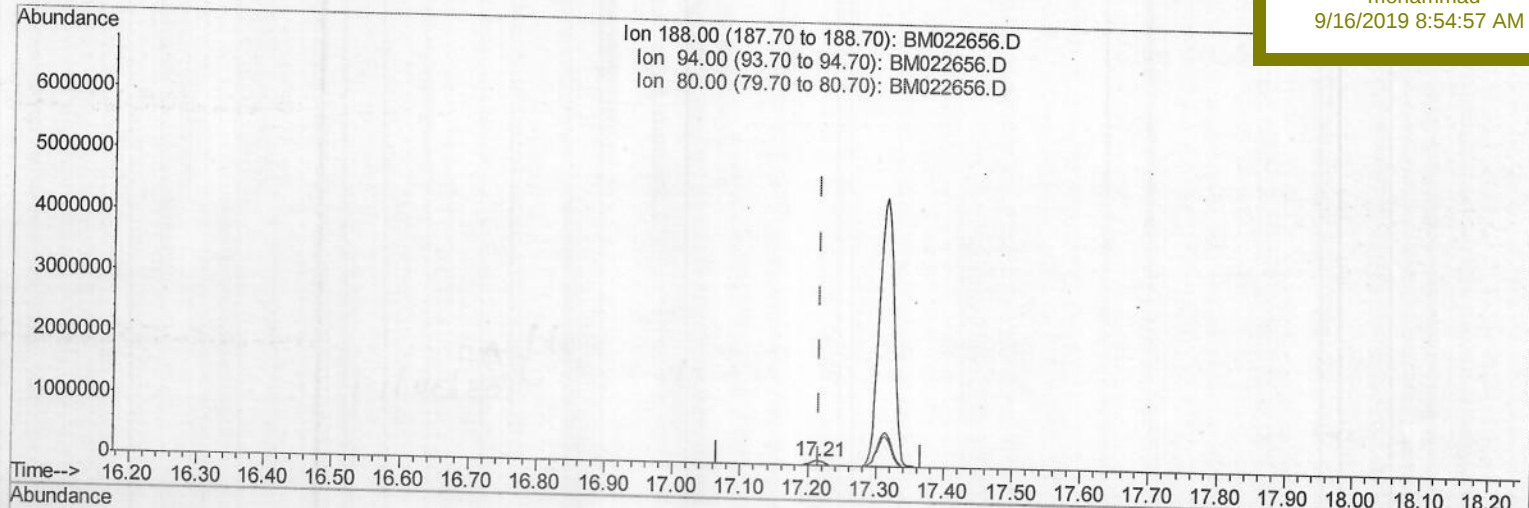
BF574

Manual Integrations

APPROVED

mohammad

9/16/2019 8:54:57 AM



(10) Phenanthrene-d10 (I)

17.214min (-0.002) 0.40ng/ul m > JU 09/14/19

response 102184

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	9.54
80.00	11.00	10.39
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
Data File : BM022656.D
Acq On : 11 Sep 2019 14:28
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 44 Sample Multiplier: 1

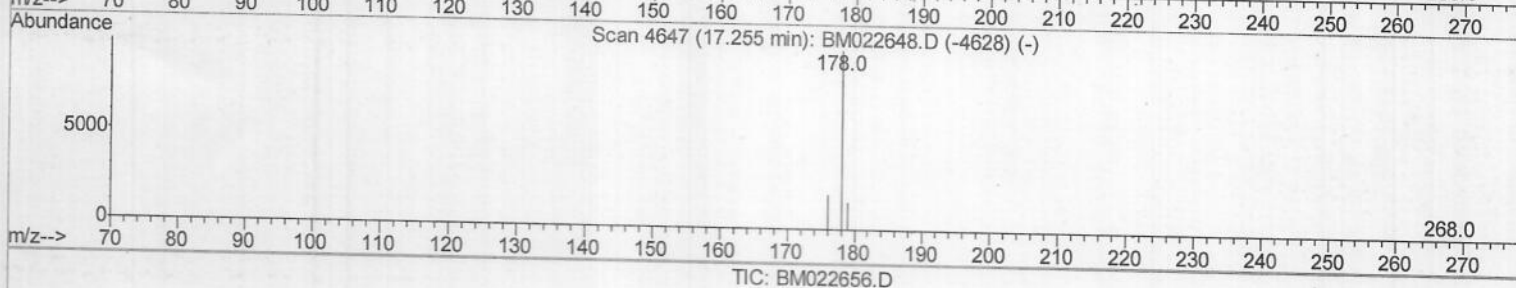
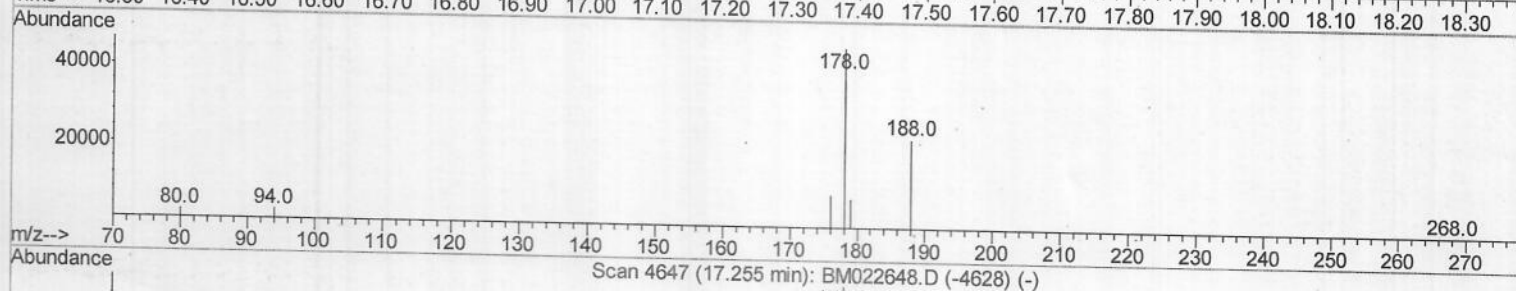
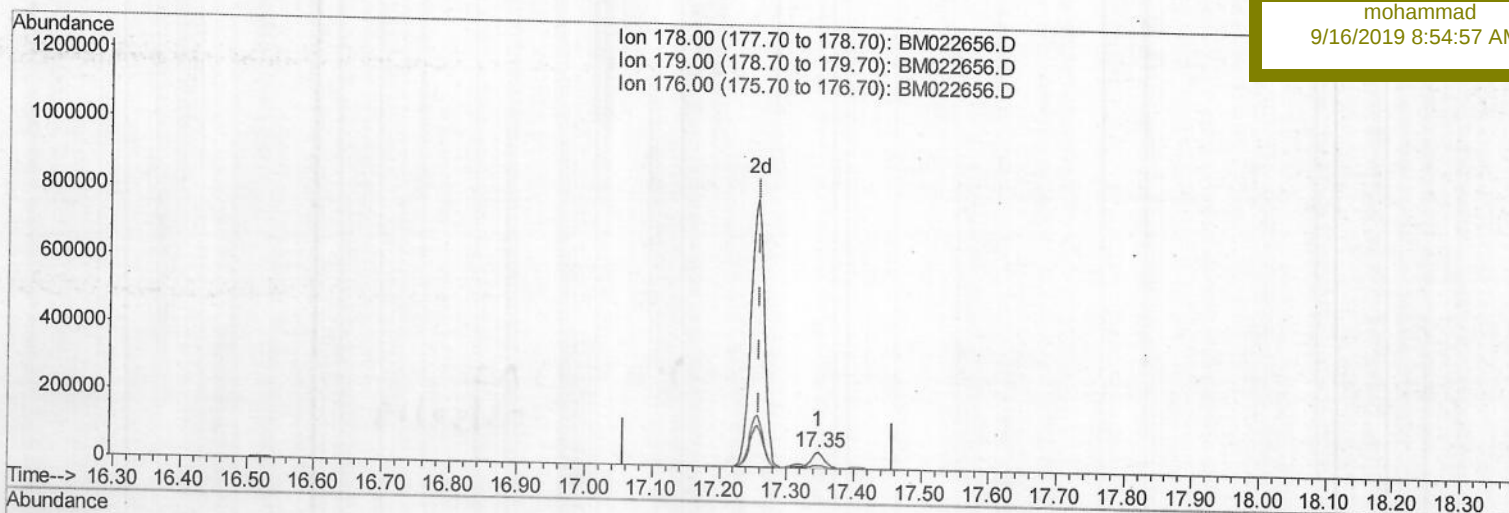
Quant Time: Sep 12 01:11:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

(12) Phenanthrene

17.346min (+0.088) 0.21ng/ui

response 66947

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.36
176.00	19.10	18.75
0.00	0.00	0.00

Quantitation Report (Qedit)

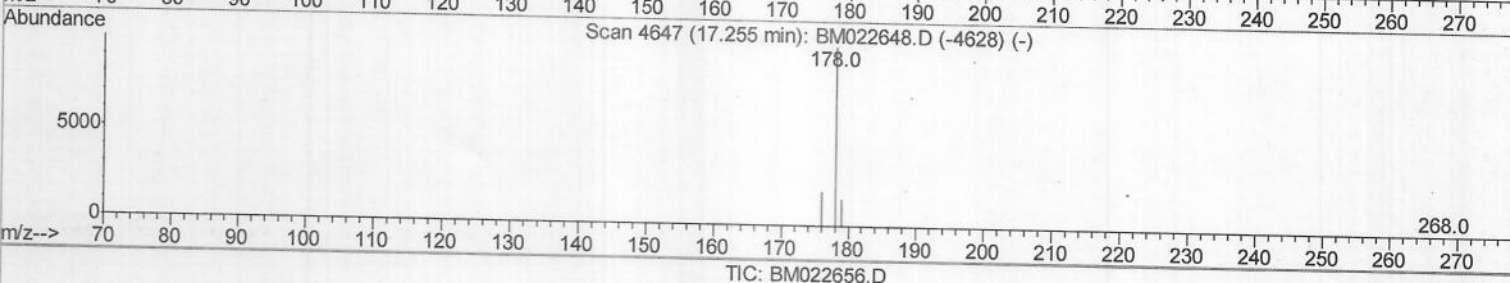
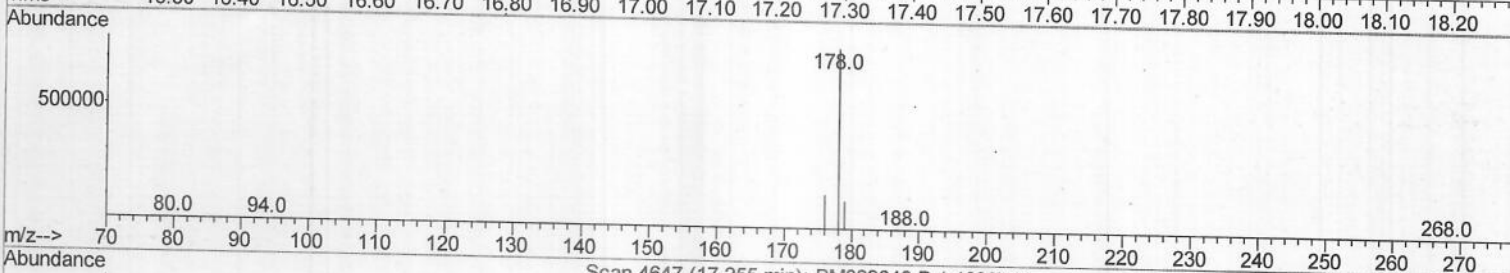
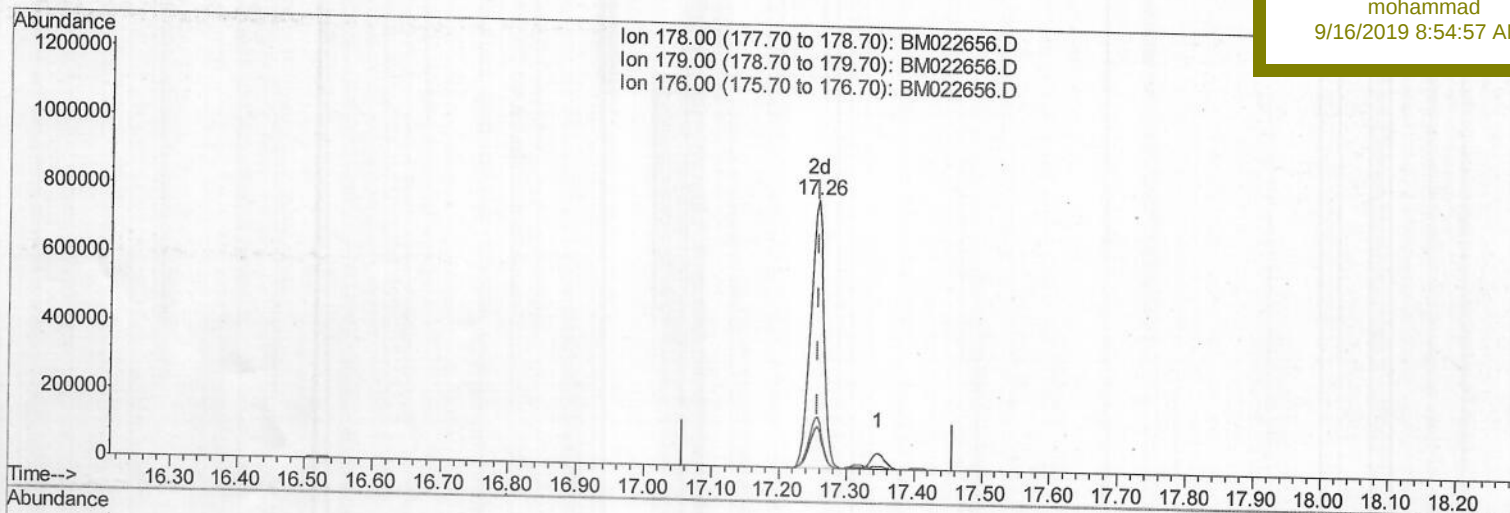
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Quant Time: Sep 12 01:11:53 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
 APPROVED

mohammad
 9/16/2019 8:54:57 AM



(12) Phenanthrene

17.256min (-0.002) 3.34ng/ul m 7 JU 09/24/29

response 1088004

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.53
176.00	19.10	19.03
0.00	0.00	0.00

Quantitation Report (Qedit)

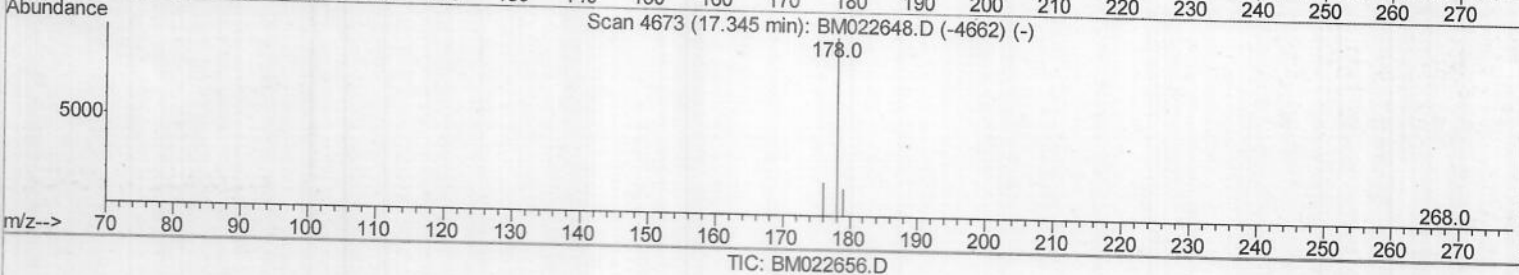
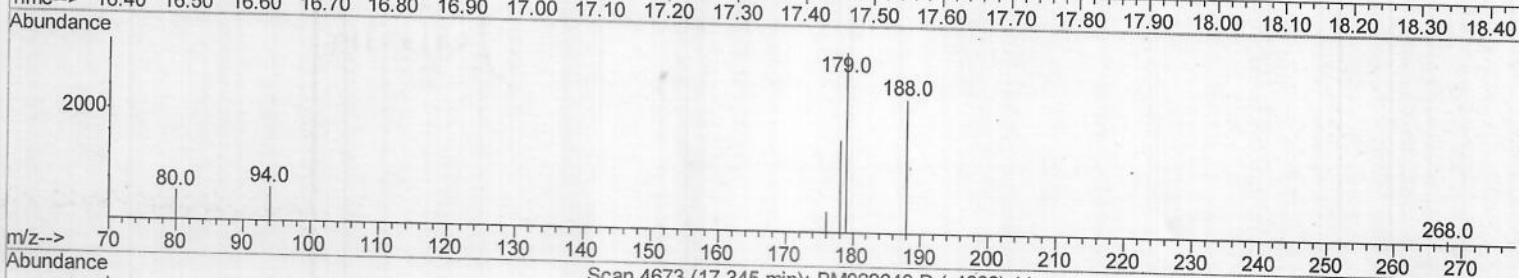
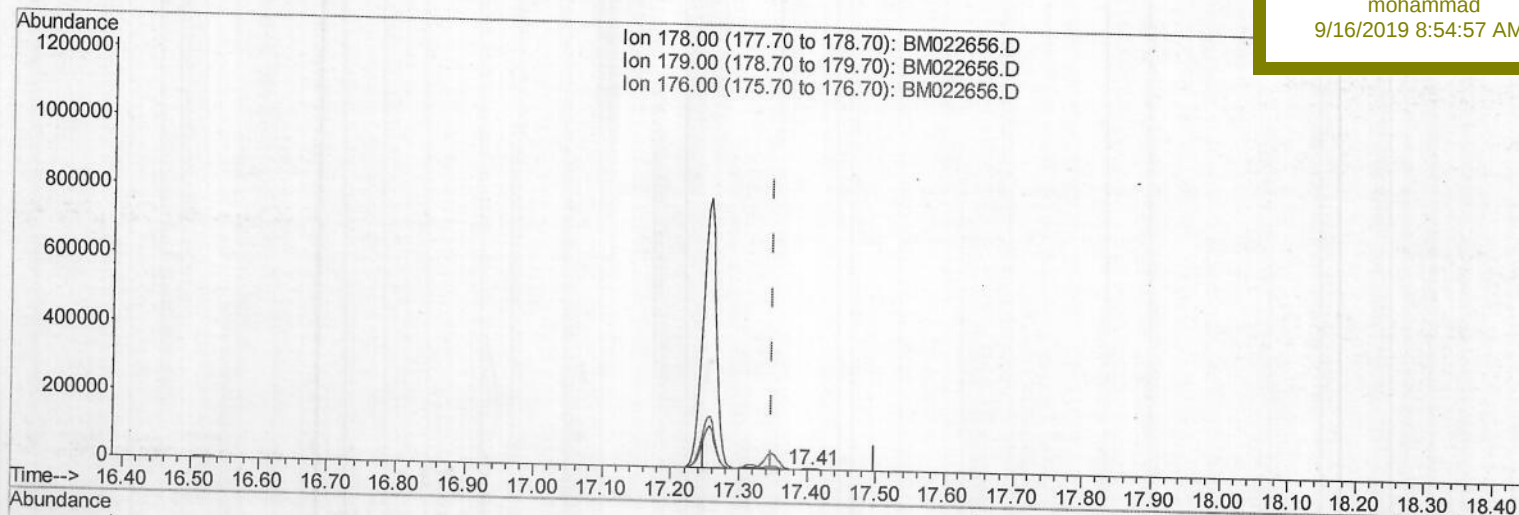
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:57 AM

Quant Time: Sep 12 01:12:31 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



(13) Anthracene

17.405min (+0.057) 0.01ng/ul

response 1819

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	191.34#
176.00	18.50	25.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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 :

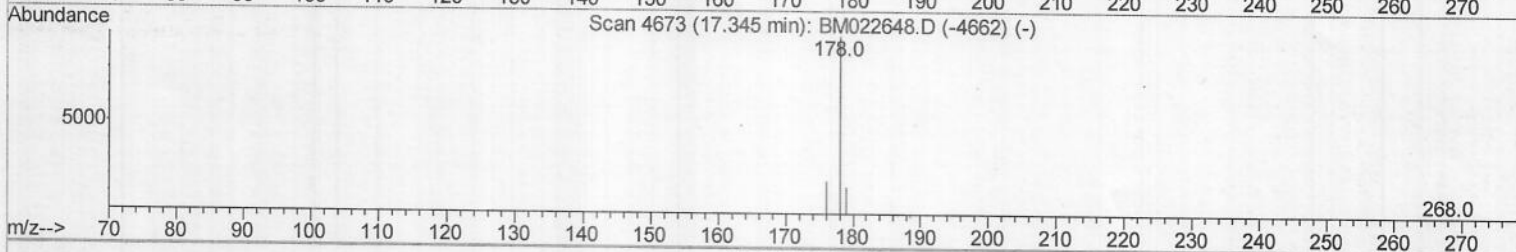
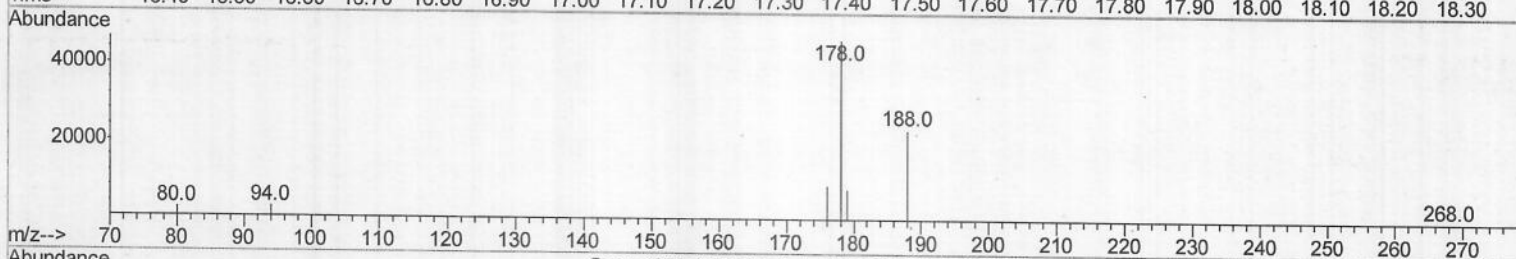
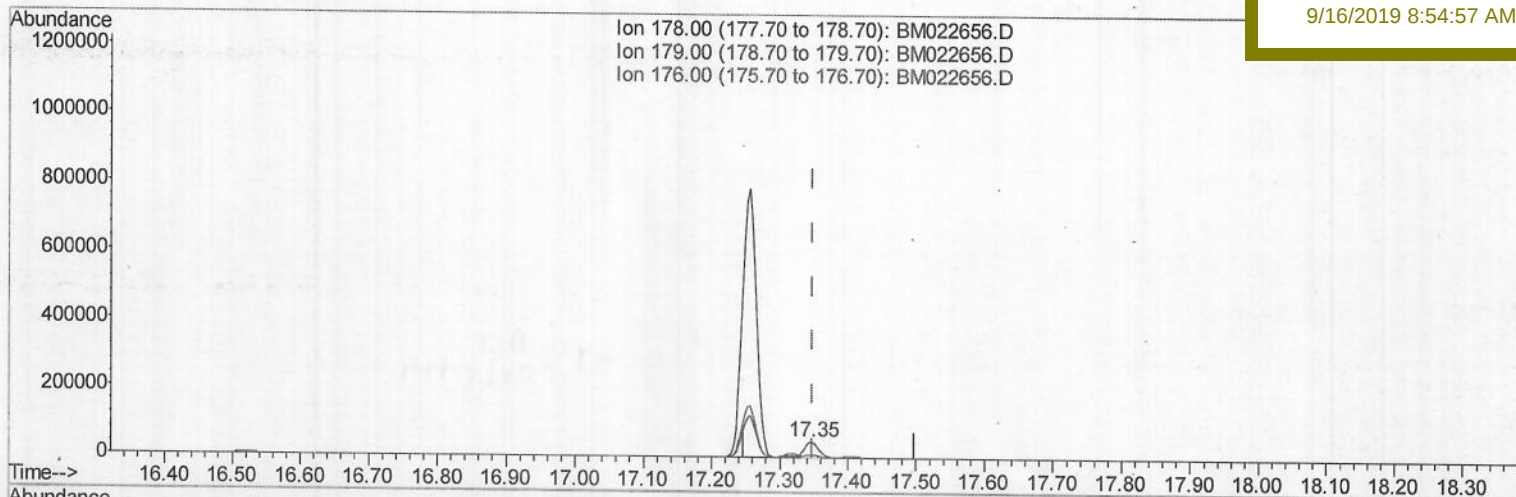
BF574

Manual Integrations

APPROVED

mohammad

9/16/2019 8:54:57 AM



TIC: BM022656.D

(13) Anthracene

17.346min (-0.002) 0.22ng/ul m > JU 09/24/29

response 62238

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	16.36
176.00	18.50	18.75
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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

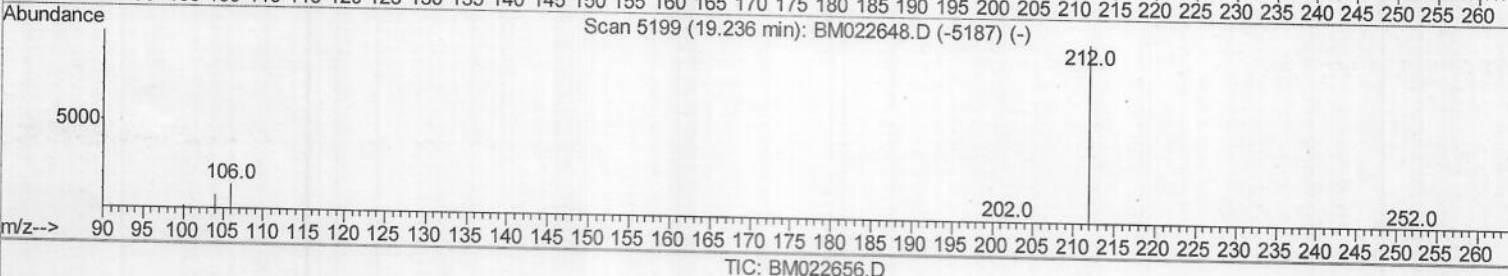
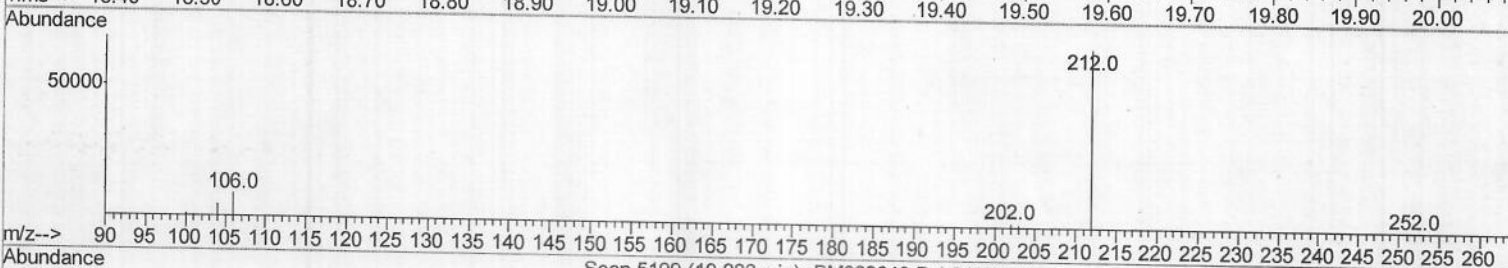
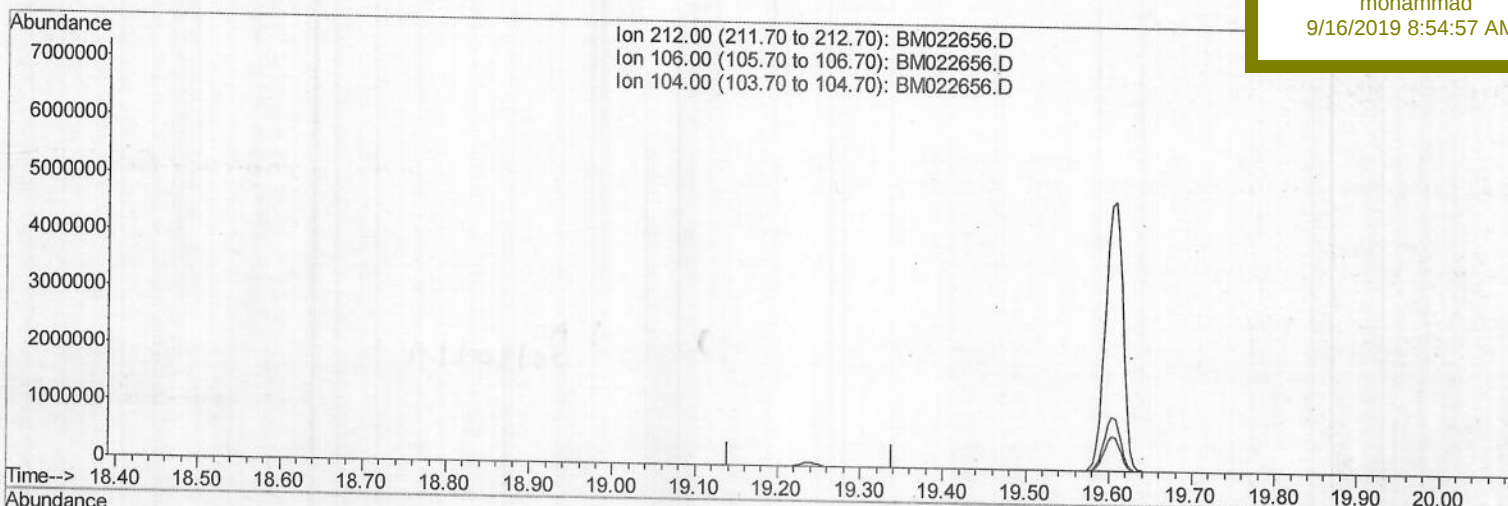
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

(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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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

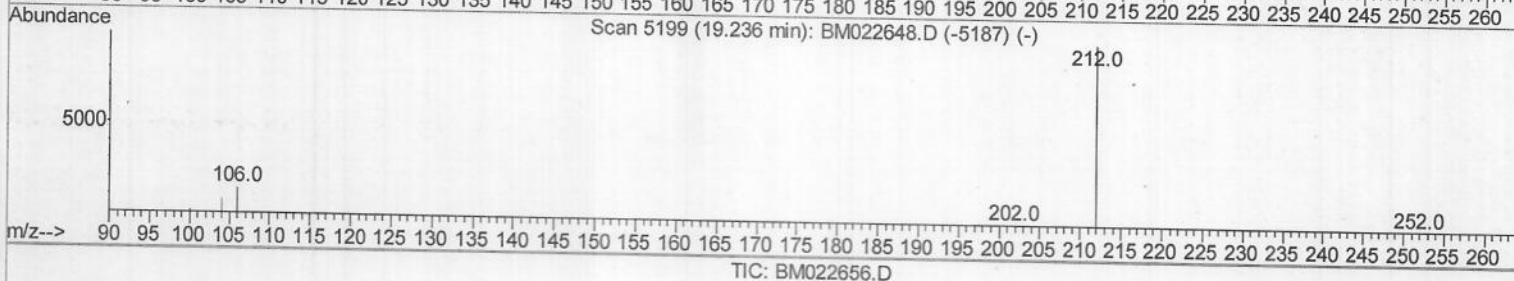
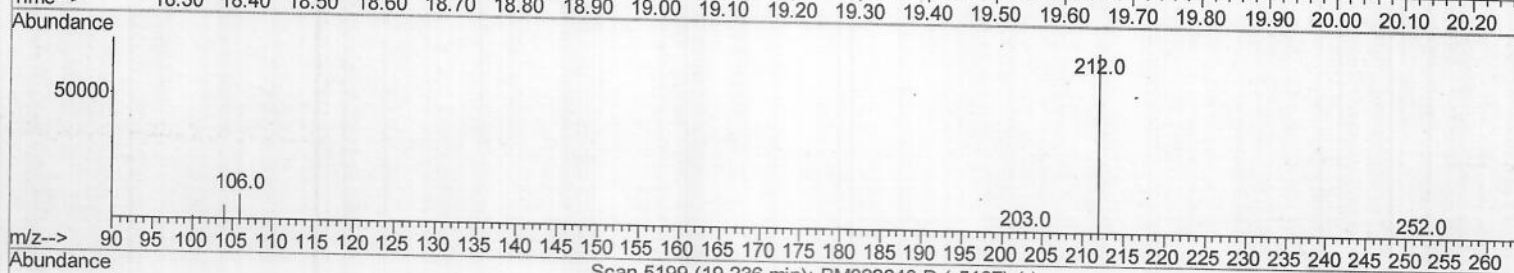
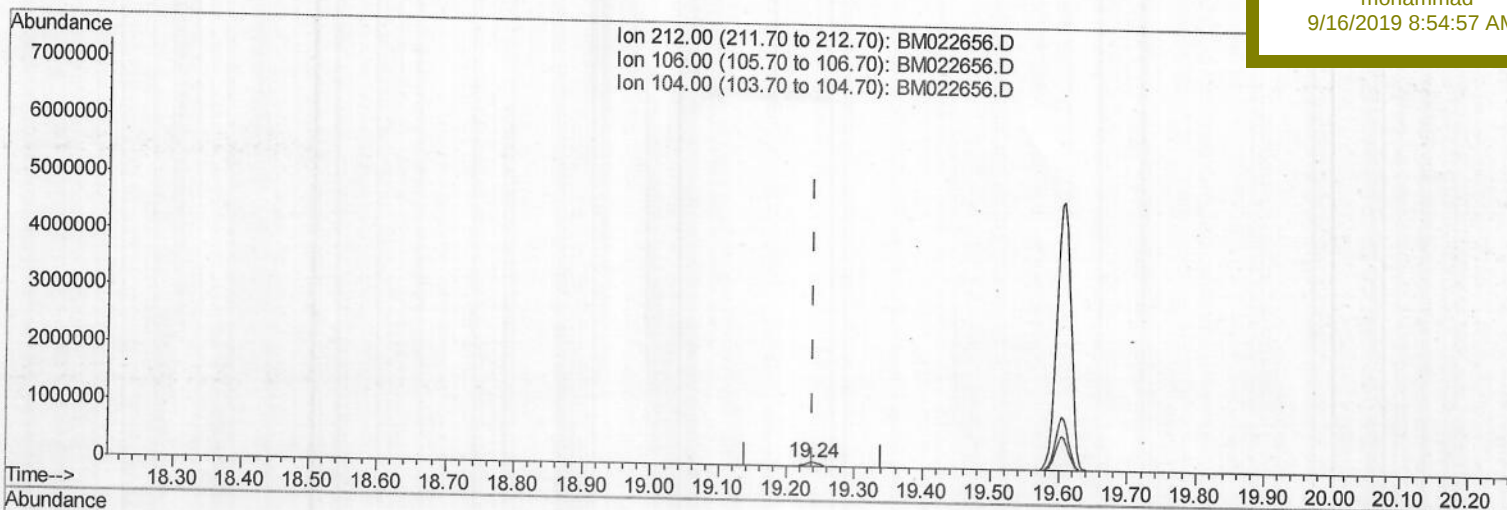
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

(14) Fluoranthene-d10 (SURR)

19.237min (-0.002) 0.33ng/ul m > JU 09/14/19

response 92983

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 : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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

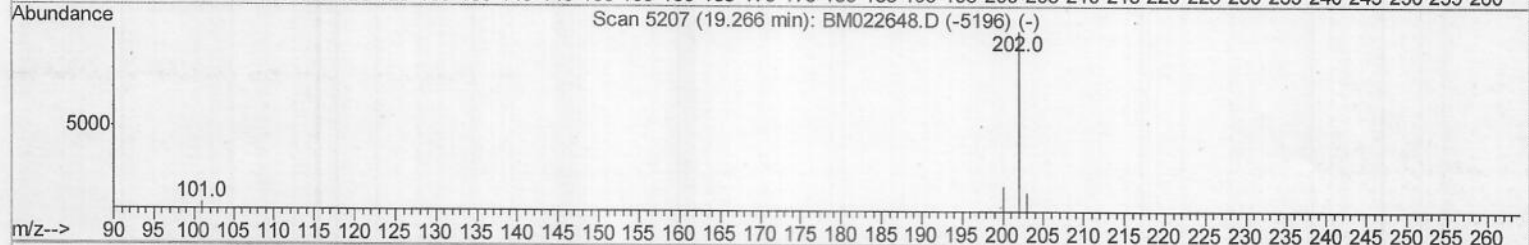
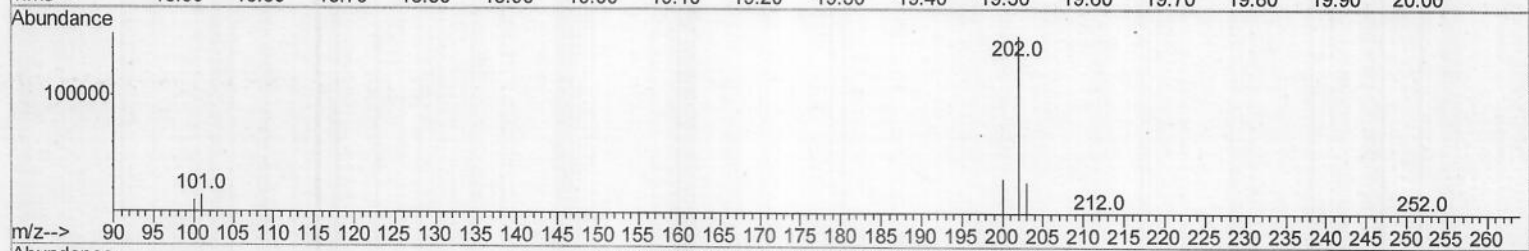
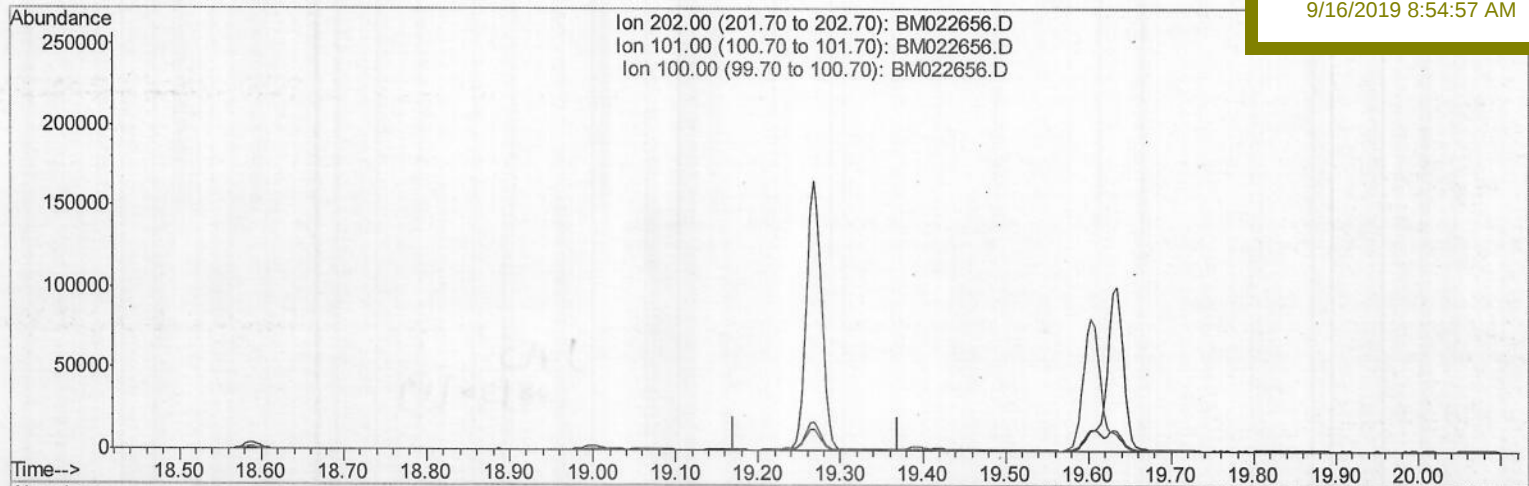
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

TIC: BM022656.D

(15) Fluoranthene (C)

19.270min (-19.270) 0.00ng/ul

response 0

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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

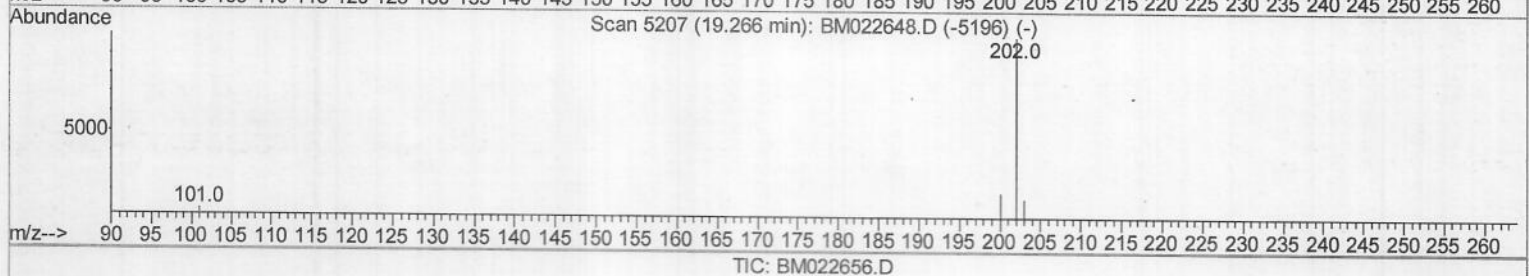
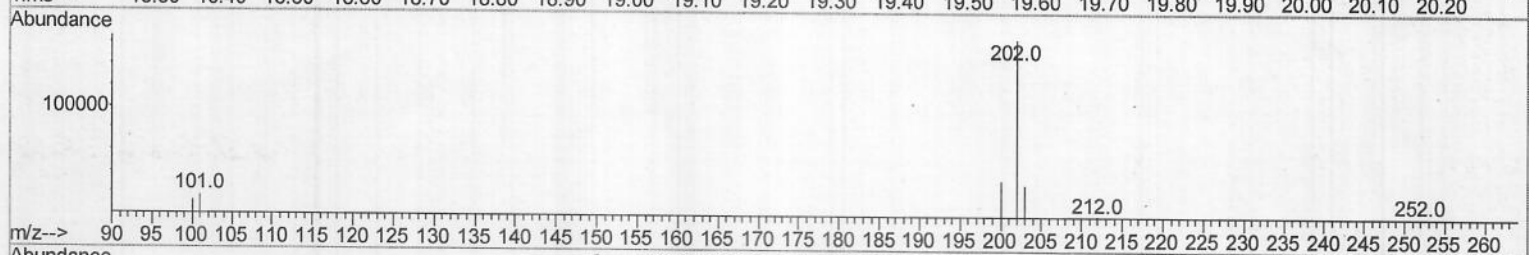
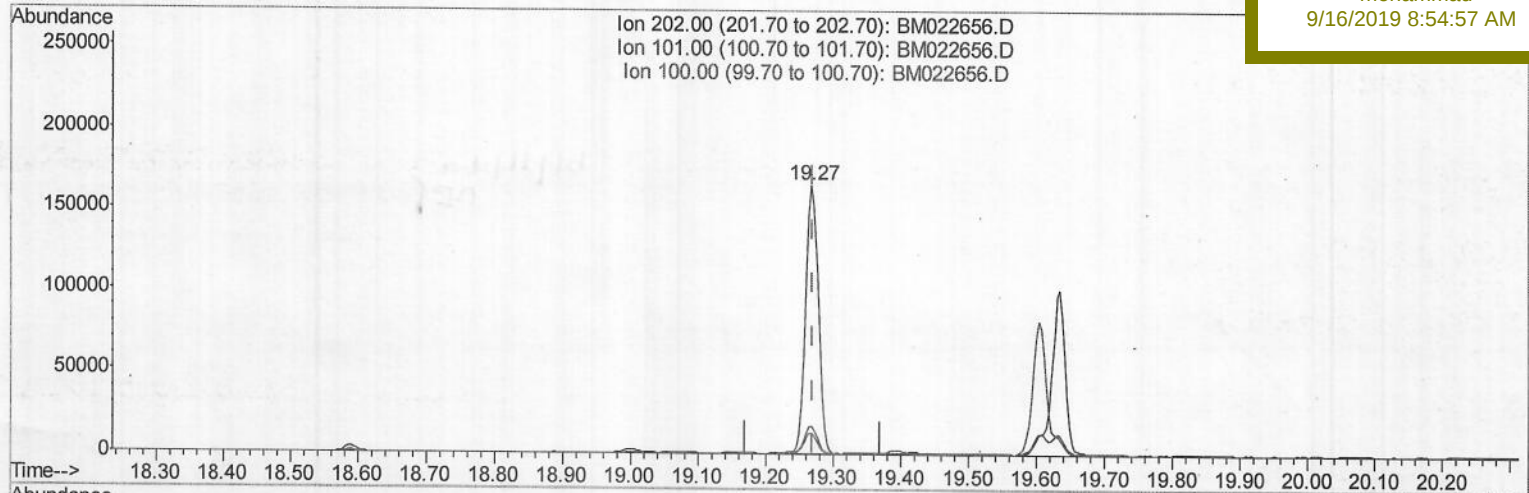
ClientSampleId :

BF574

Manual Integrations
APPROVED

mohammad

9/16/2019 8:54:57 AM



(15) Fluoranthene (C)

19.268min (-0.002) 0.60ng/ul m

> JU 09/14/19

response 209883

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	10.65
100.00	8.00	7.89
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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

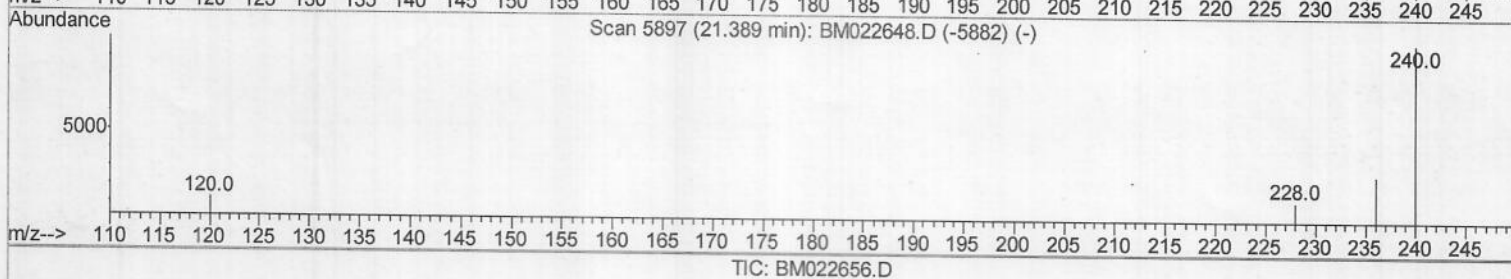
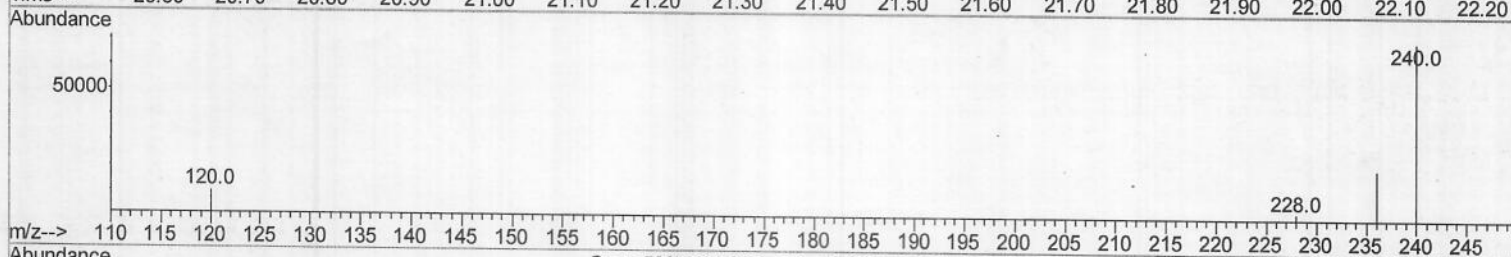
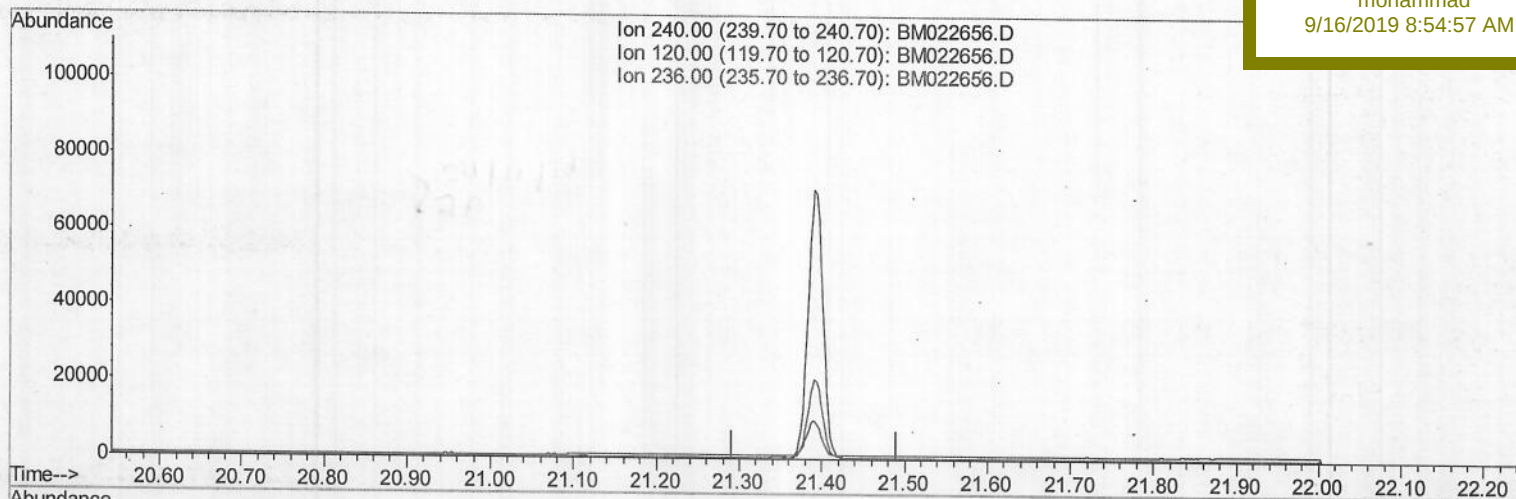
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

(16) Chrysene-d12 (I)

21.391min (-21.391) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

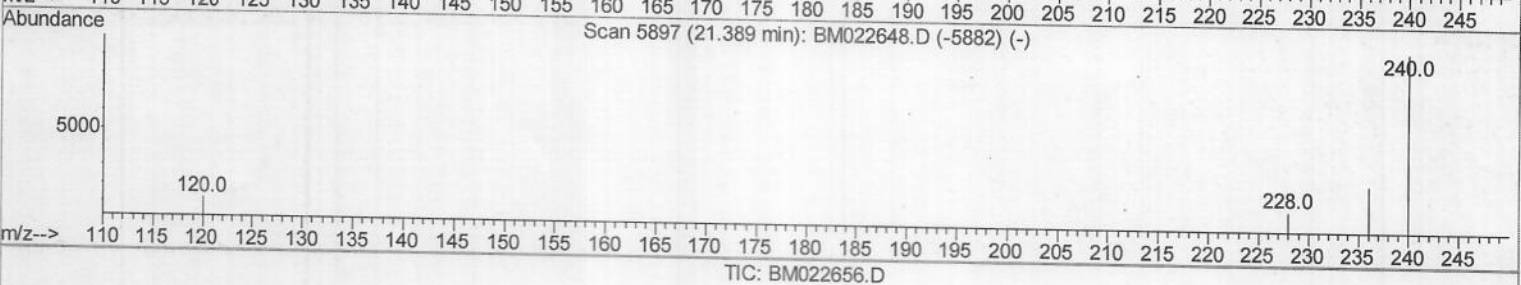
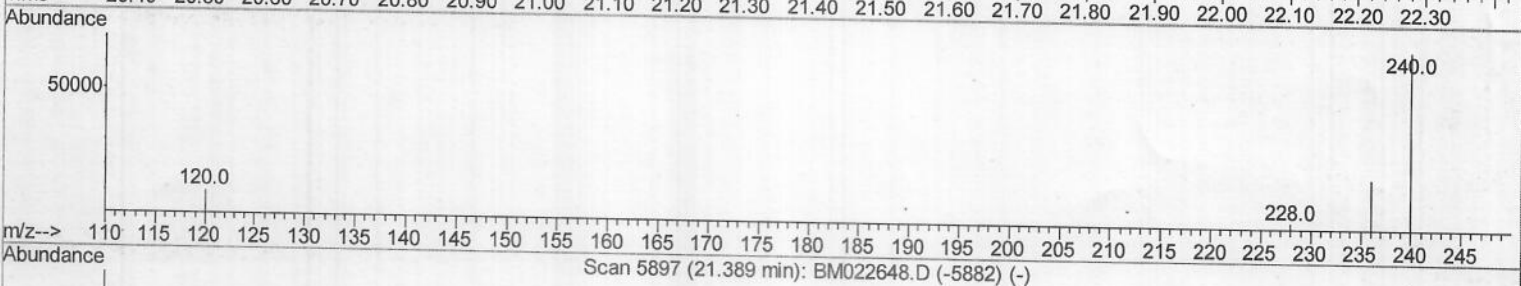
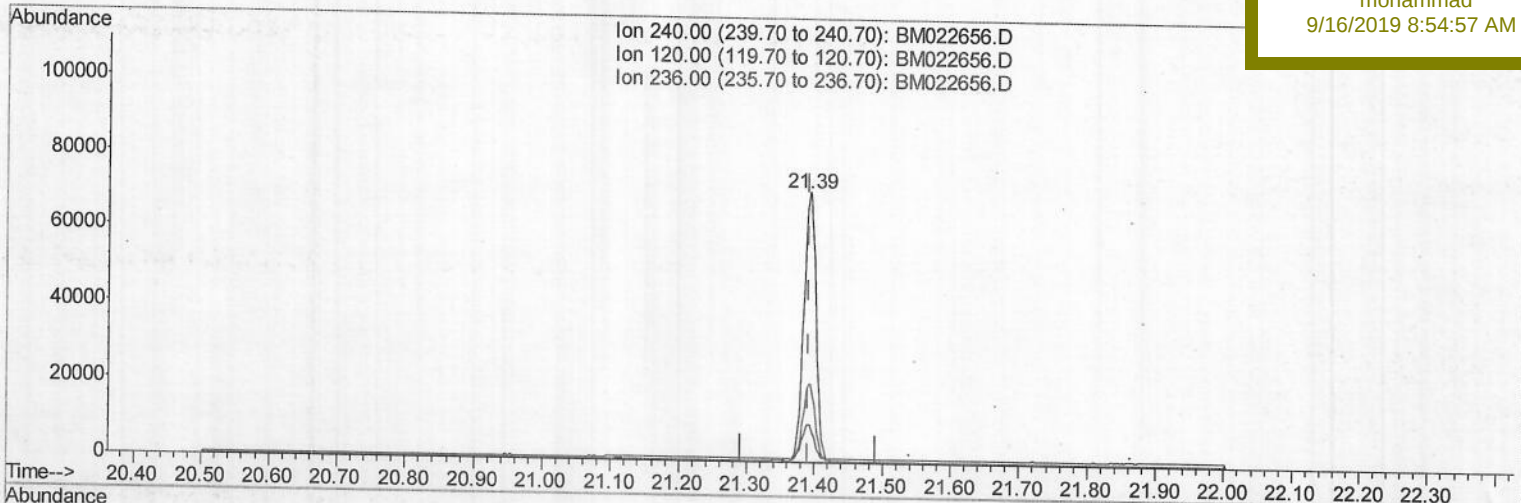
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:12:31 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 :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:57 AM



(16) Chrysene-d12 (I)

21.391min (+0.000) 0.40ng/ul m > JU 09/14/19

response 87905

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	14.02
236.00	28.80	29.06
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:14:57 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

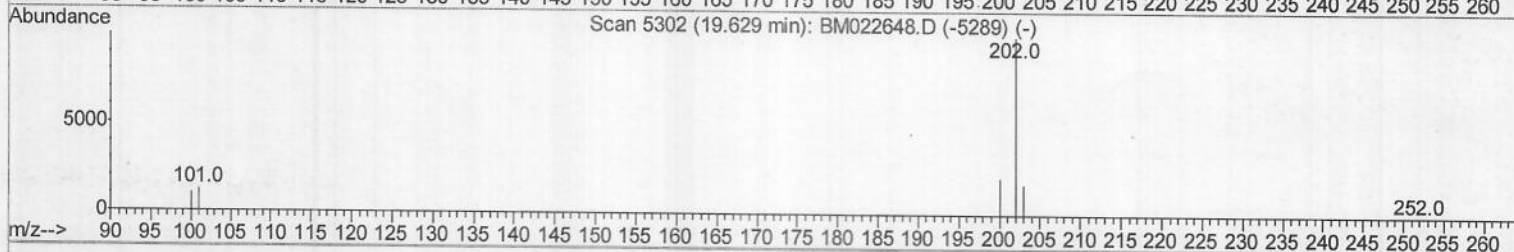
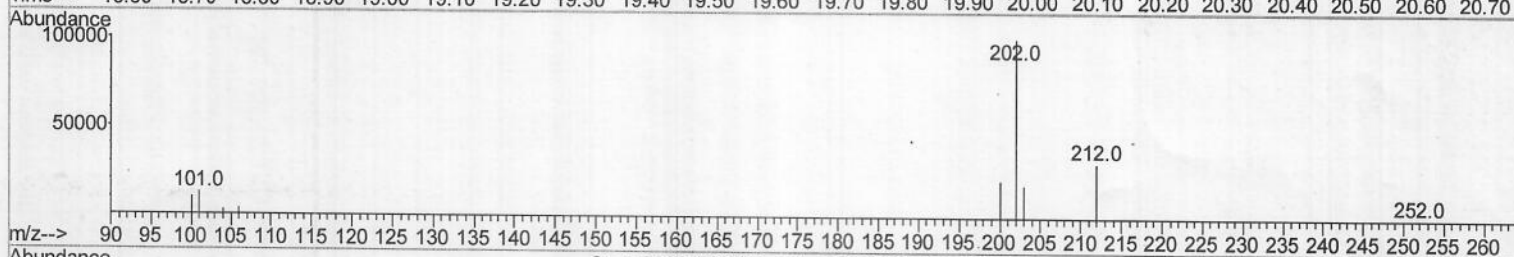
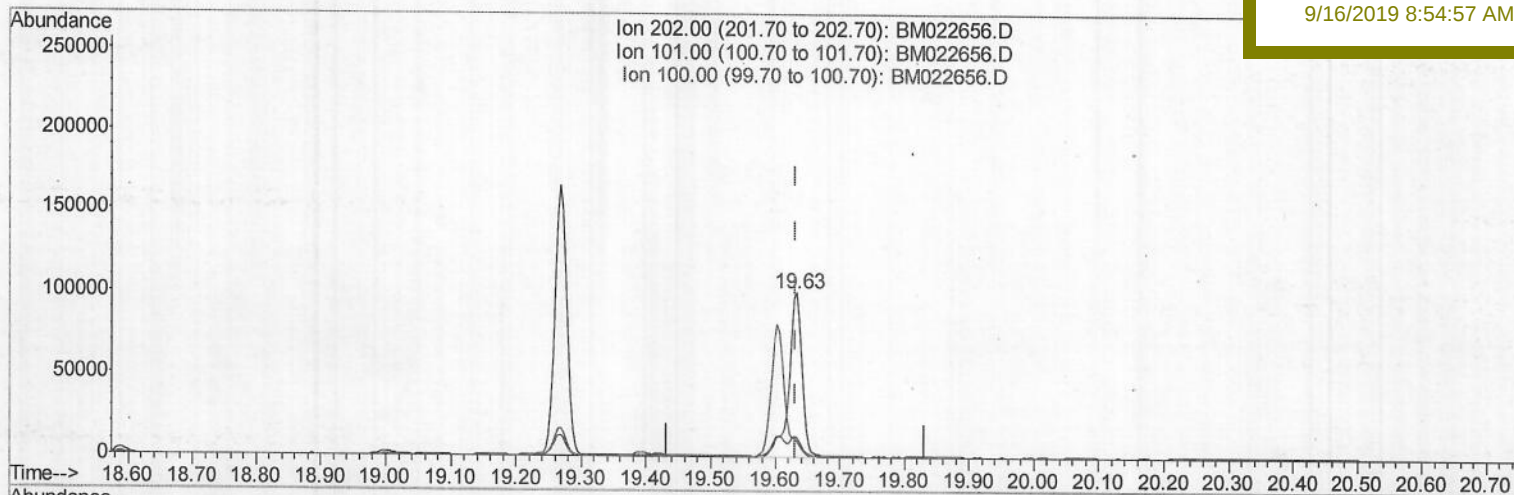
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

TIC: BM022656.D

(17) Pyrene

19.634min (+0.002) 0.36ng/ul

response 143205

Ion	Exp%	Act%
202.00	100	100
101.00	12.50	12.31
100.00	10.10	10.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:14:57 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

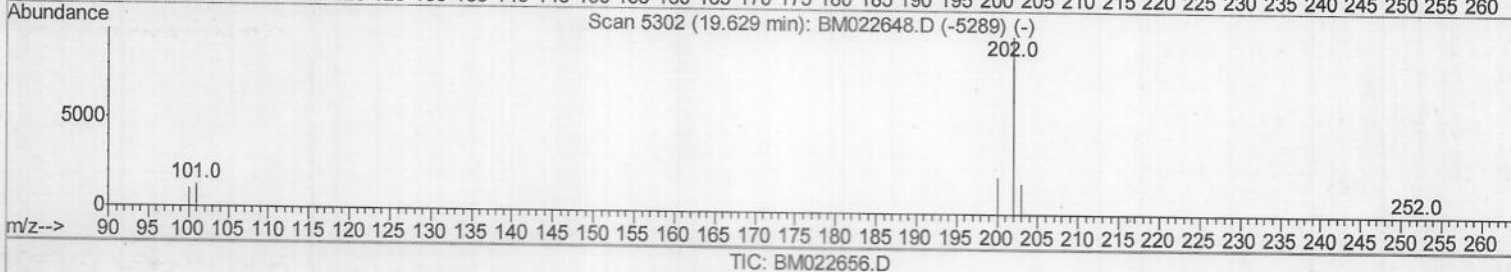
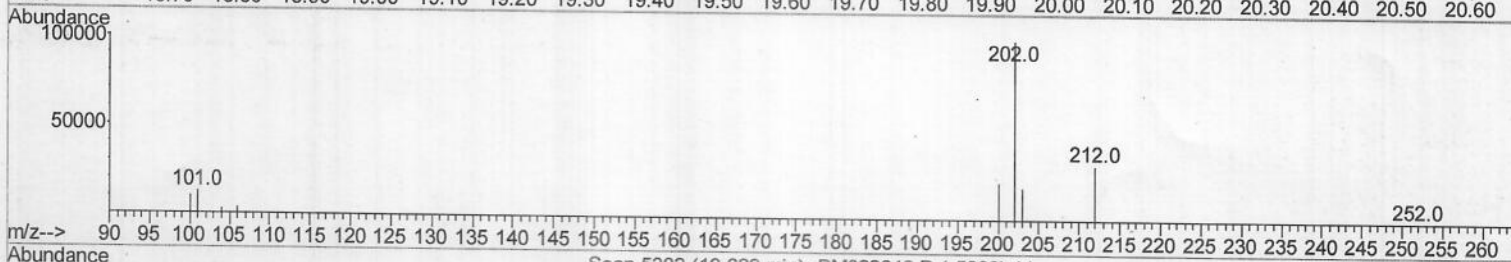
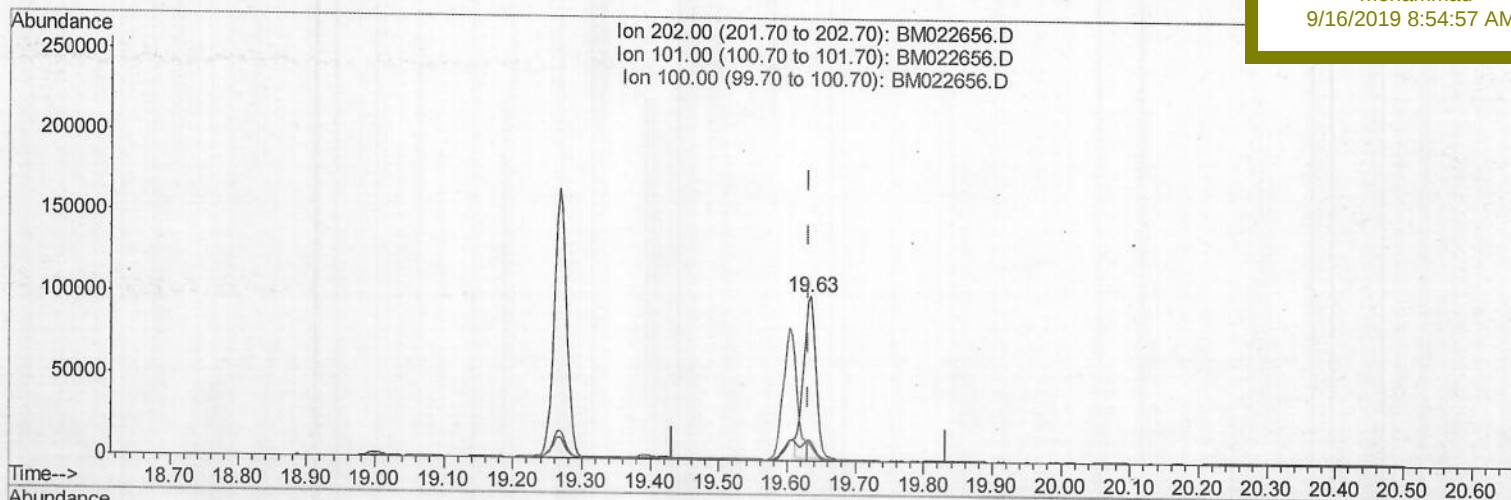
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF574

Manual Integrations
APPROVEDmohammad
9/16/2019 8:54:57 AM

(17) Pyrene

19.634min (+0.002) 0.32ng/ul m

response 126352

Ion	Exp%	Act%
202.00	100	100
101.00	12.50	12.31
100.00	10.10	10.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
Data File : BM022656.D
Acq On : 11 Sep 2019 14:28
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:14:57 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 :

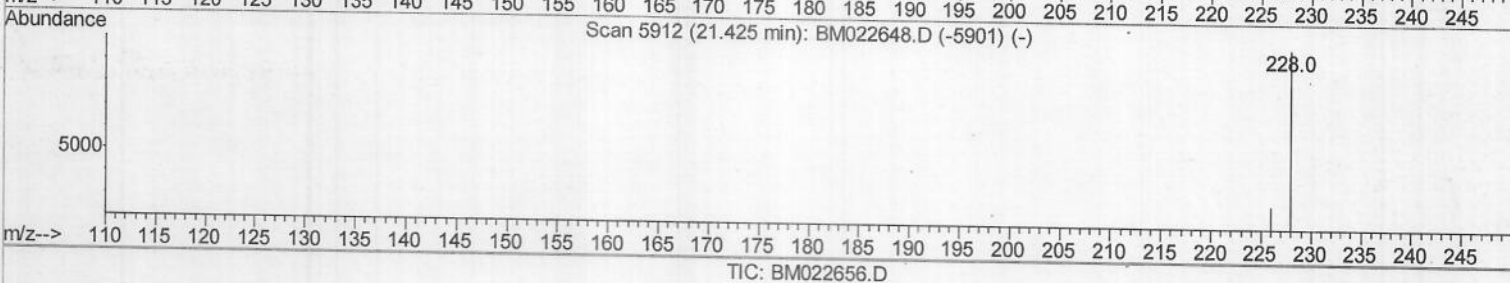
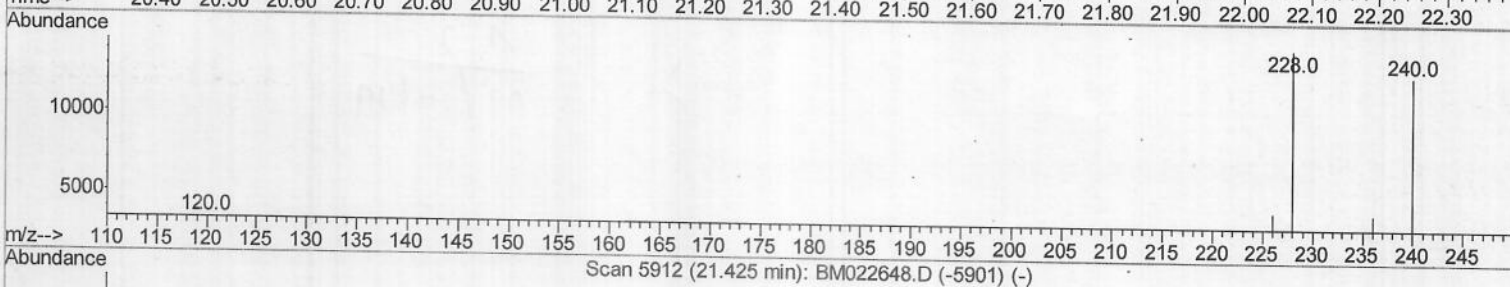
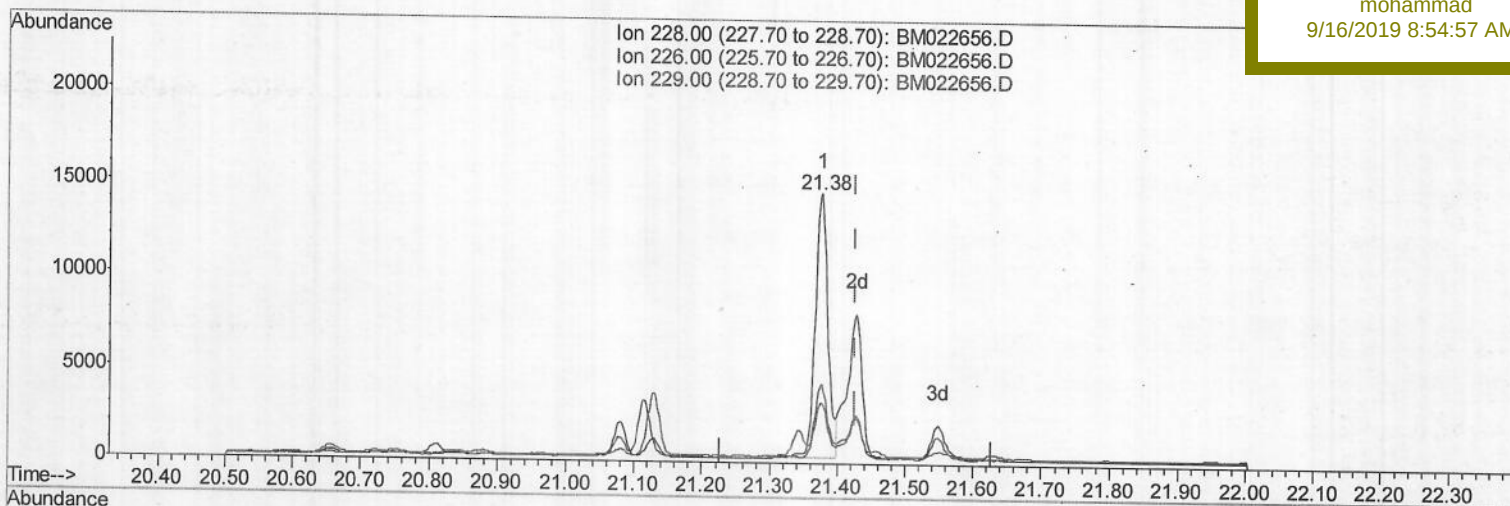
BF574

Manual Integrations

APPROVED

mohammad

9/16/2019 8:54:57 AM



(19) Chrysene

21.377min (-0.051) 0.05ng/ul

response 18530

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	29.47
229.00	19.40	22.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
Data File : BM022656.D

Acq On : 11 Sep 2019 14:28
Operator : HP/JU

Sample : K4706-08
Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:14:57 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 :

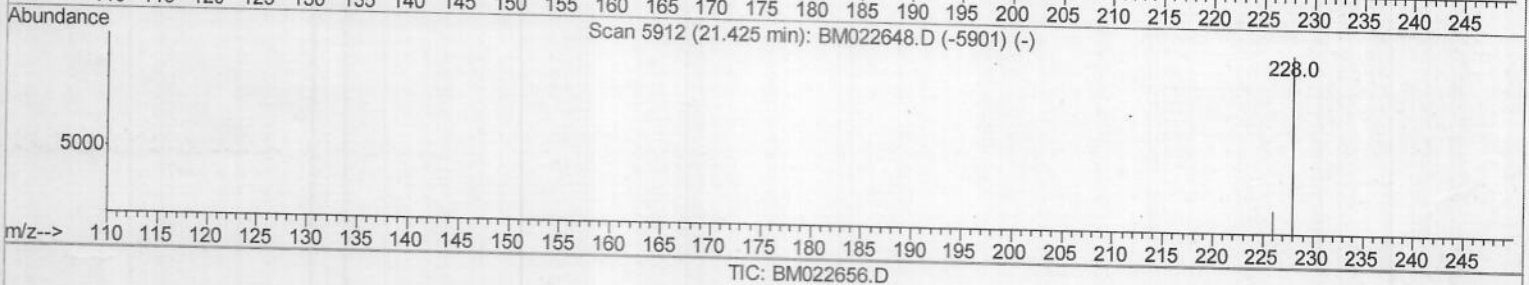
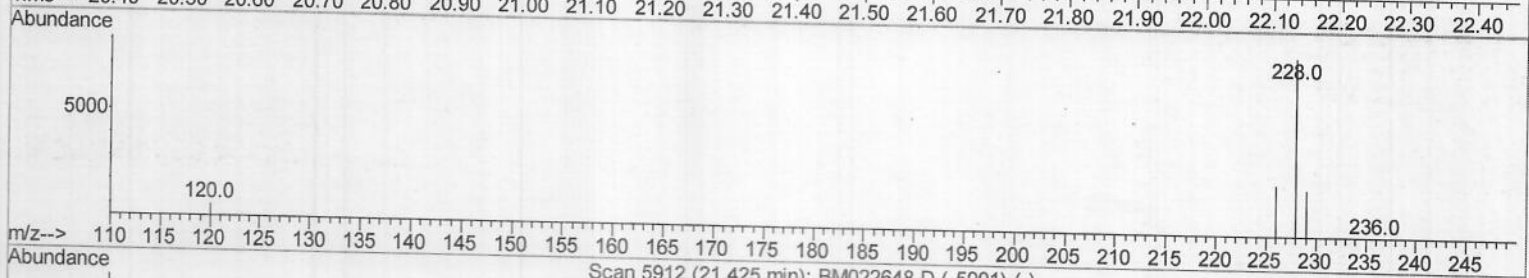
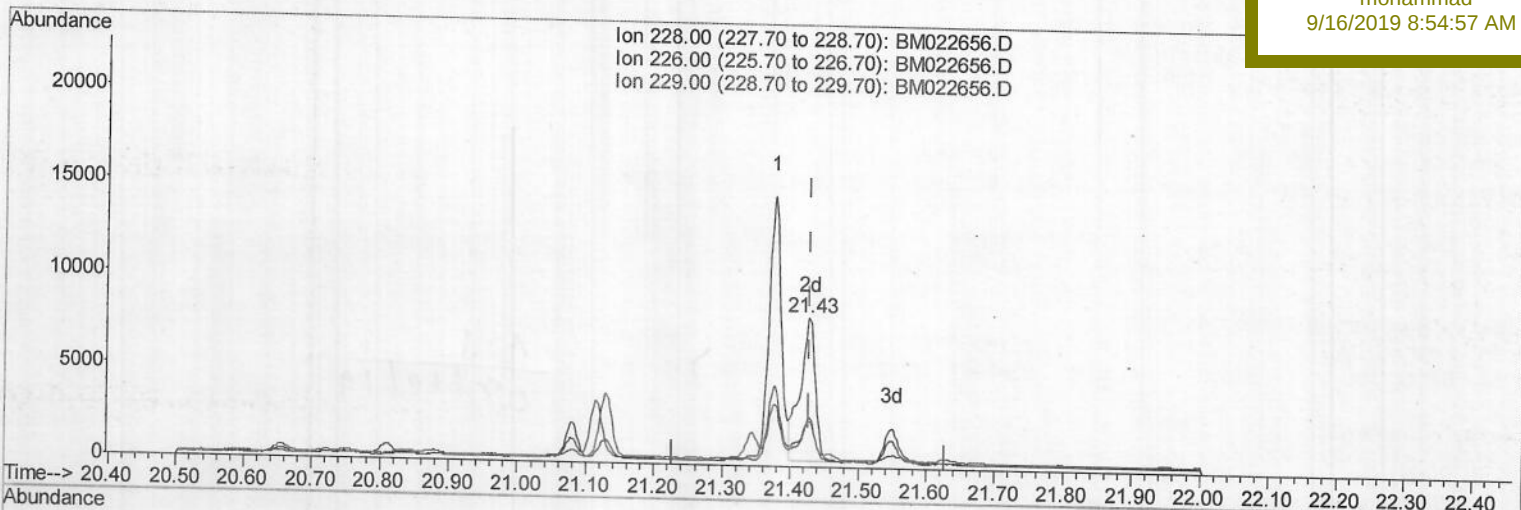
BF574

Manual Integrations

APPROVED

mohammad

9/16/2019 8:54:57 AM



(19) Chrysene

21.428min (+0.000) 0.03ng/ul m

Handwritten: > JU 09/14/19

response 11872

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	32.66
229.00	19.40	30.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\

Data File : BM022656.D

Acq On : 11 Sep 2019 14:28

Operator : HP/JU

Sample : K4706-08

Misc :

ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:15:55 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 :

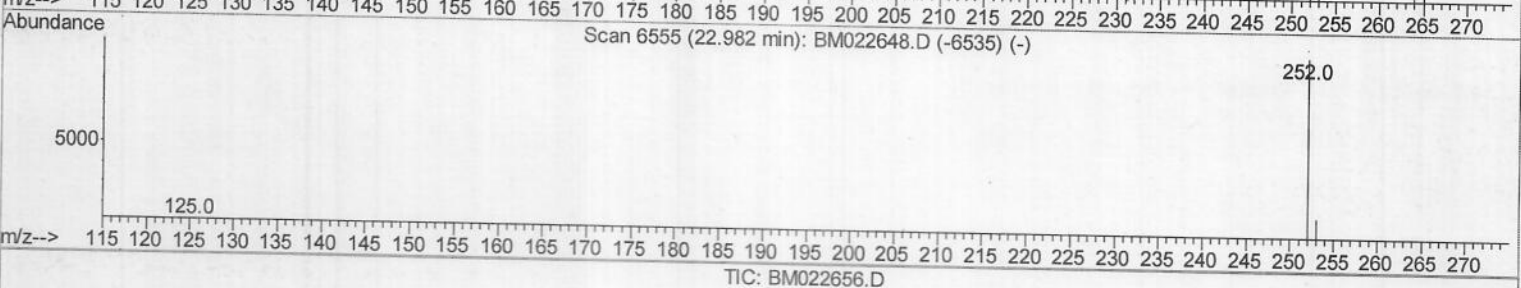
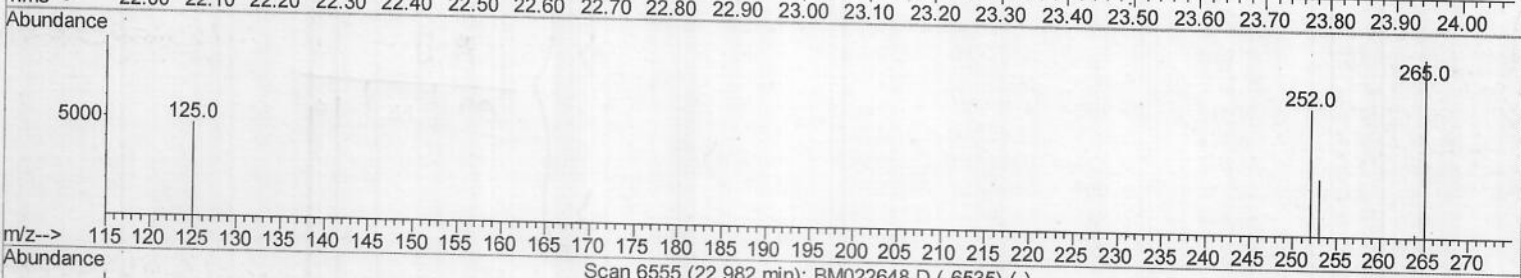
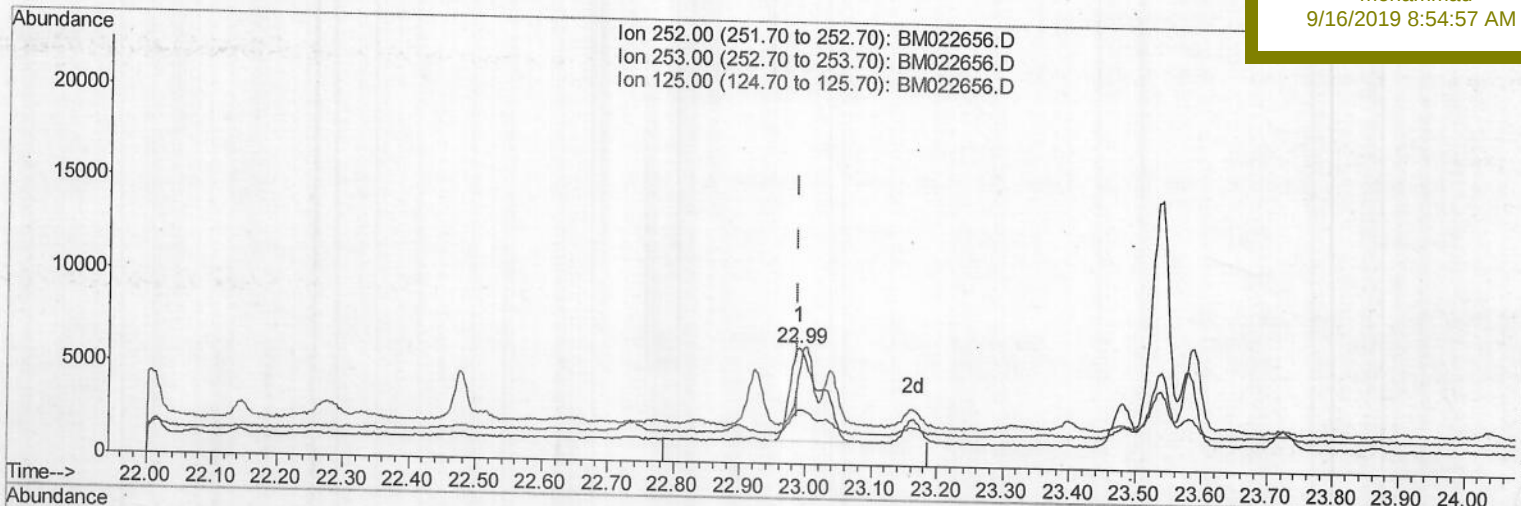
BF574

Manual Integrations

APPROVED

mohammad

9/16/2019 8:54:57 AM



(21) Benzo(b)fluoranthene

22.990min (+0.003) 0.04ng/ul

response 16069

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	46.90
125.00	15.60	74.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

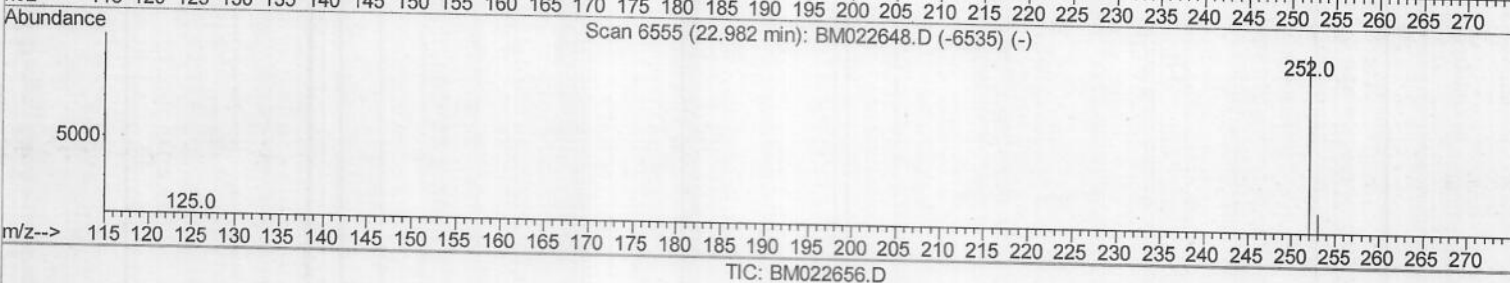
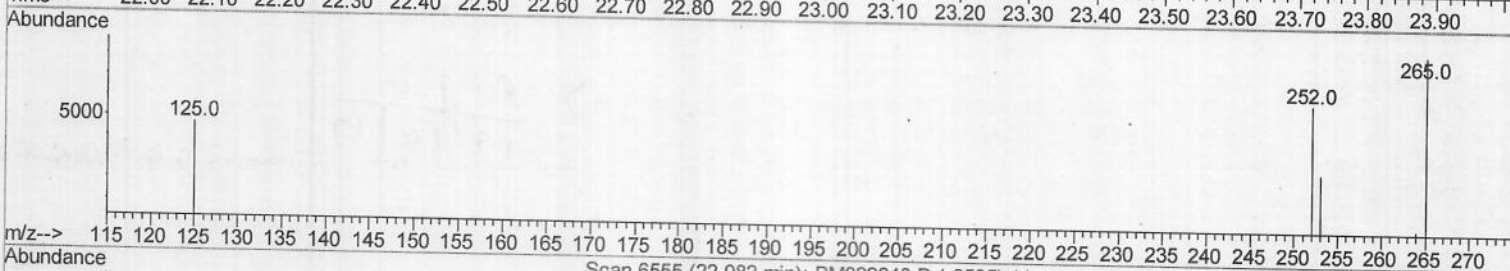
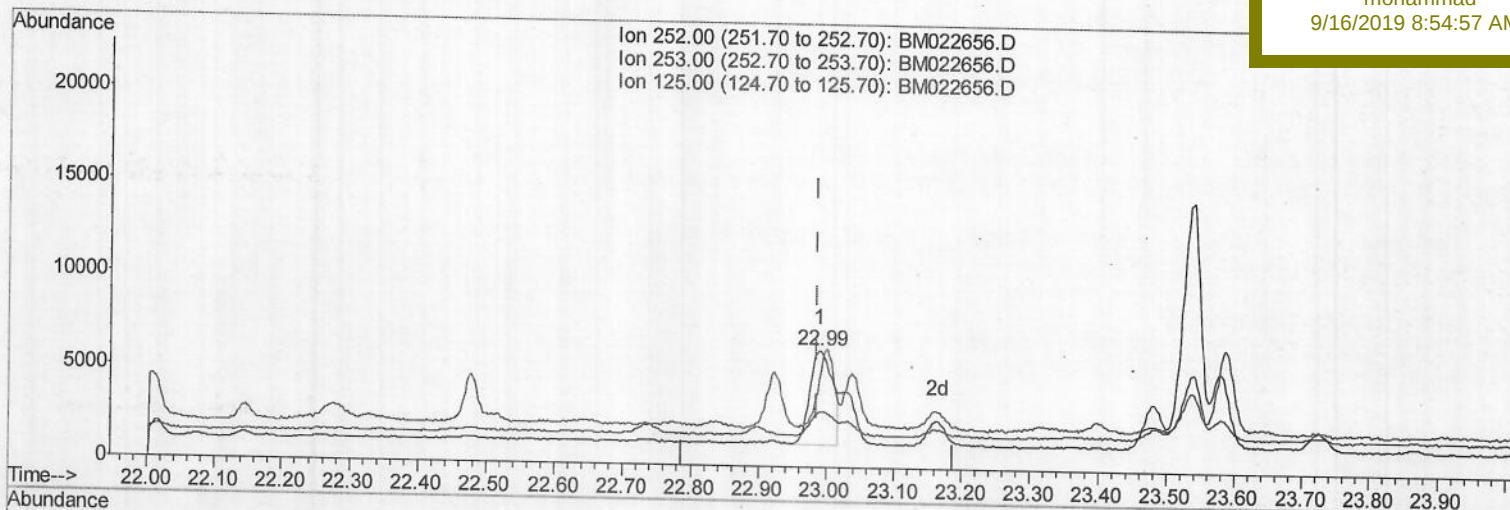
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 12 01:15:55 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 :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:57 AM



(21) Benzo(b)fluoranthene

22.990min (+0.003) 0.03ng/ul m

7 JU 09/24/19

response 11522

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	46.90
125.00	15.60	74.80#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Quant Time: Sep 12 01:16:53 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
 APPROVED

mohammad
 9/16/2019 8:54:57 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	17724	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	77502	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	45590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	102184m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	87905m	0.40	ng/ul	0.00
20) Perylene-d12	23.68	264	82255	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.23	152	34031	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	92983m	0.33	ng/ul	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.69	128	477905	2.164	ng/ul	100
5) 2-Methylnaphthalene	12.30	142	82565	0.545	ng/ul	100
7) Acenaphthylene	14.20	152	7248	0.034	ng/ul#	73
8) Acenaphthene	14.54	153	240480	1.361	ng/ul	98
9) Fluorene	15.52	166	349506	1.727	ng/ul	99
12) Phenanthrene	17.26	178	1088004m	3.342	ng/ul	
13) Anthracene	17.35	178	62238m	0.223	ng/ul	
15) Fluoranthene	19.27	202	209883m	0.597	ng/ul	
17) Pyrene	19.63	202	126352m	0.317	ng/ul	
18) Benzo(a)anthracene	21.38	228	18530	0.055	ng/ul	95
19) Chrysene	21.43	228	11872m	0.034	ng/ul	
21) Benzo(b)fluoranthene	22.99	252	11522m	0.032	ng/ul	

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