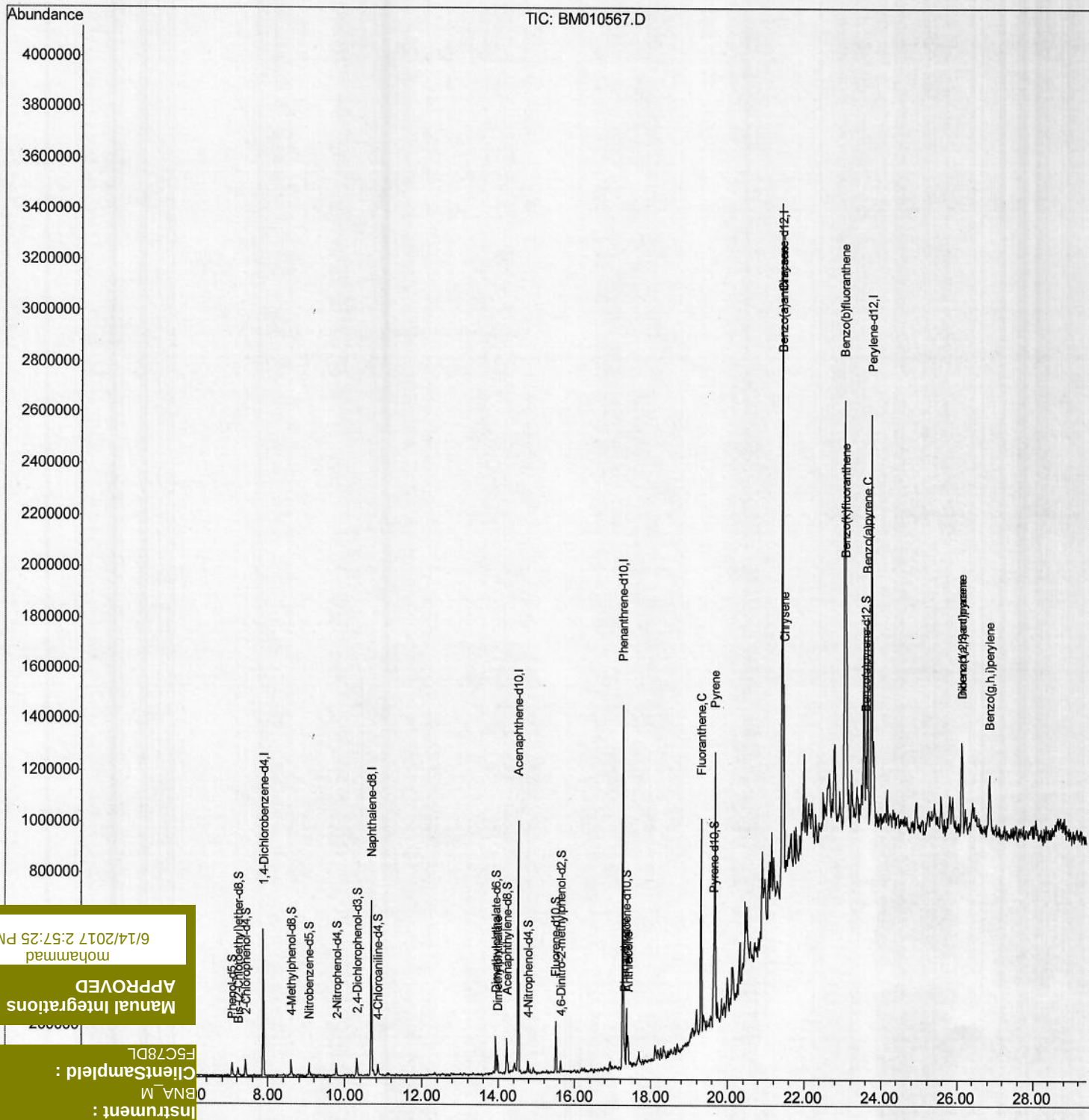


(QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
Data File : BM010567.D
Acq On : 13 Jun 2017 19:19
Operator : SJ/MA
Sample : I3522-02DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

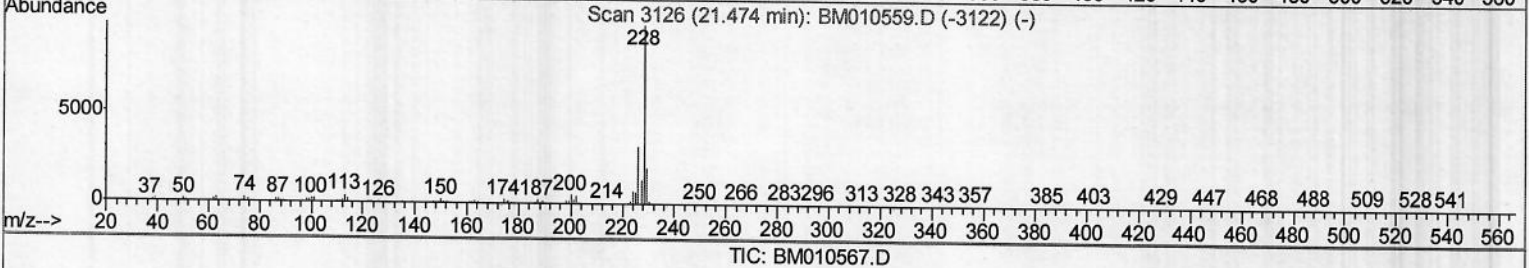
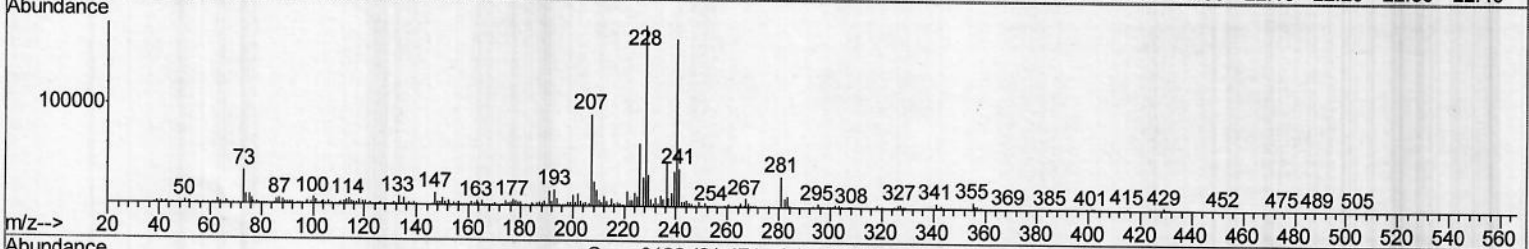
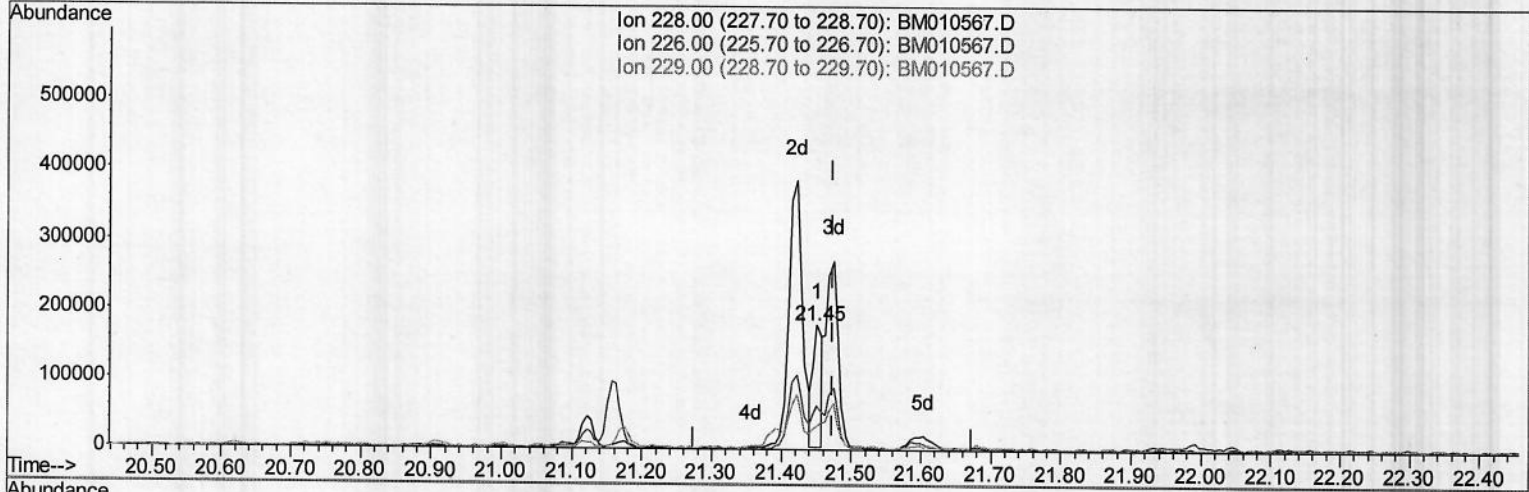
Quant Time: Jun 14 08:40:15 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(82) Chrysene

21.450min (-0.024) 2.85ng/ul

response 160148

Ion Exp% Act%

100
 35.09
 18.30
 0.00

6/14/2017 2:57:25 PM
 mohammad

Manual Integrations
 APPROVED

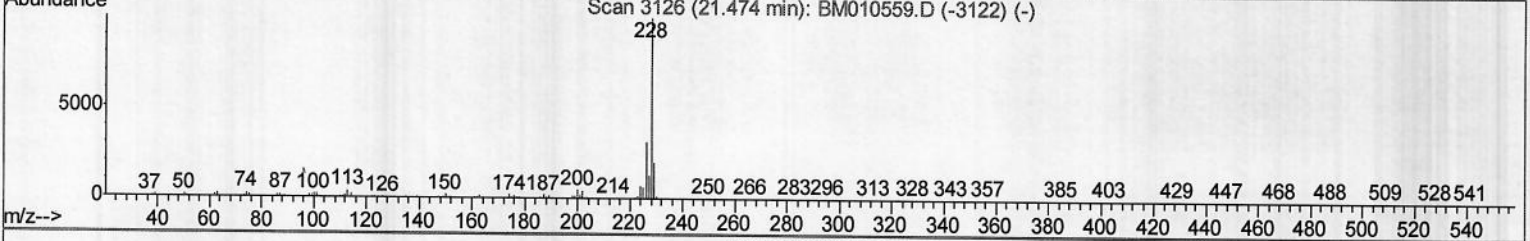
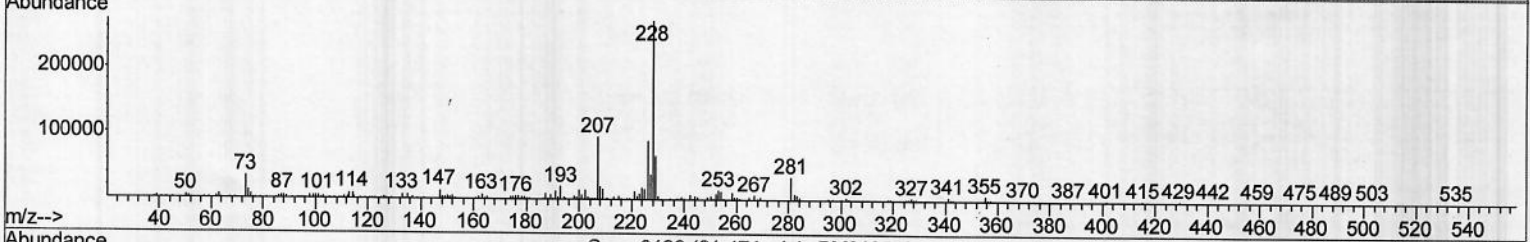
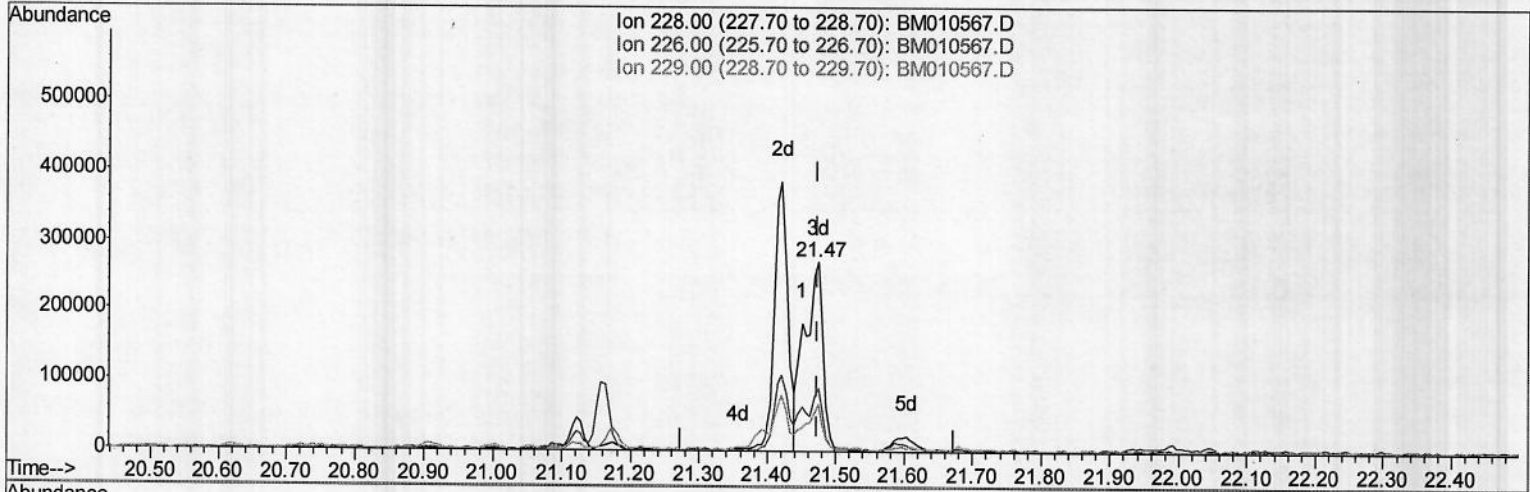
ClientSampled :
 BNA_M
 Instrument :
 FSC78DL

SOM-EPA-BM052717.M Wed Jun 14 08:38:52 2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



TIC: BM010567.D

(82) Chrysene

21.474min (-0.000) 8.88ng/ul m

response 498611

Ion Exp% Act%

228.00 100 100

6/14/2017 2:57:25 PM

mohammad

APPROVED

Manual Integrations

FSC78DL

ClientSampled :

BNA_M

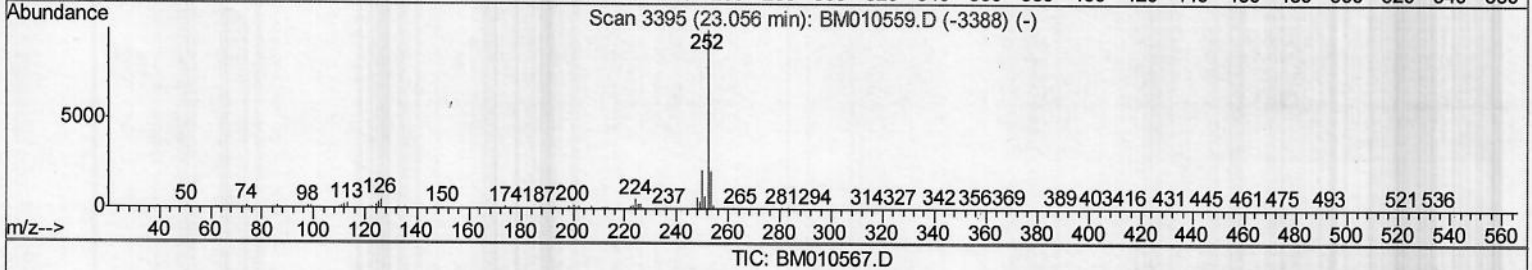
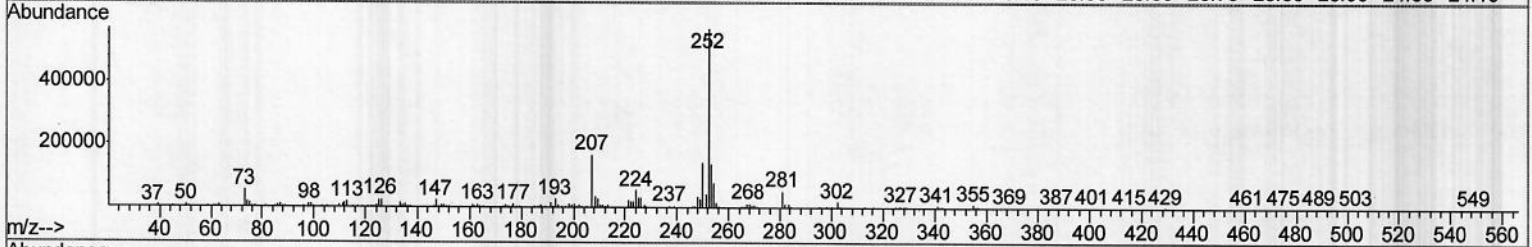
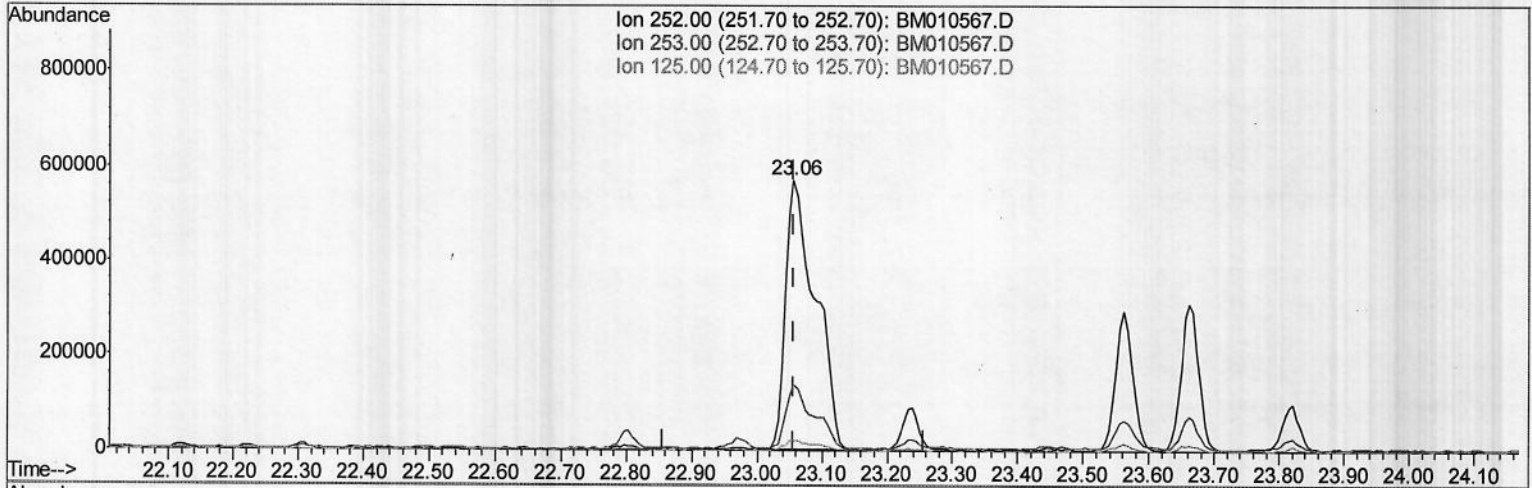
Instrument :

Wed Jun 14 08:39:02 2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(85) Benzo(b)fluoranthene

23.056min (-0.000) 25.70ng/ul

response 1768302

Ion	Exp%	Act%
100		
24.05		
3.87		
0.00		

100
24.05
3.87
0.00

6/14/2017 2:57:25 PM
mohammad

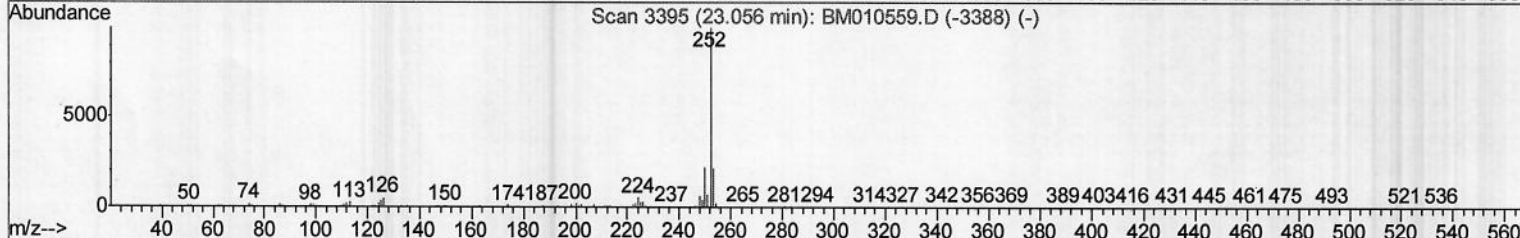
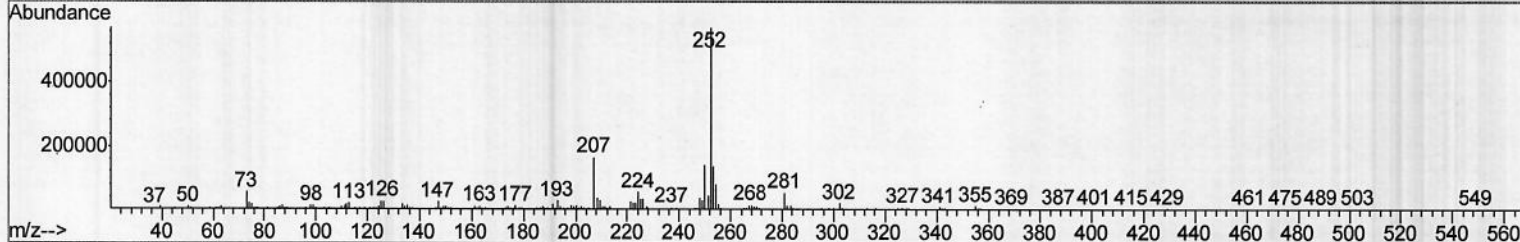
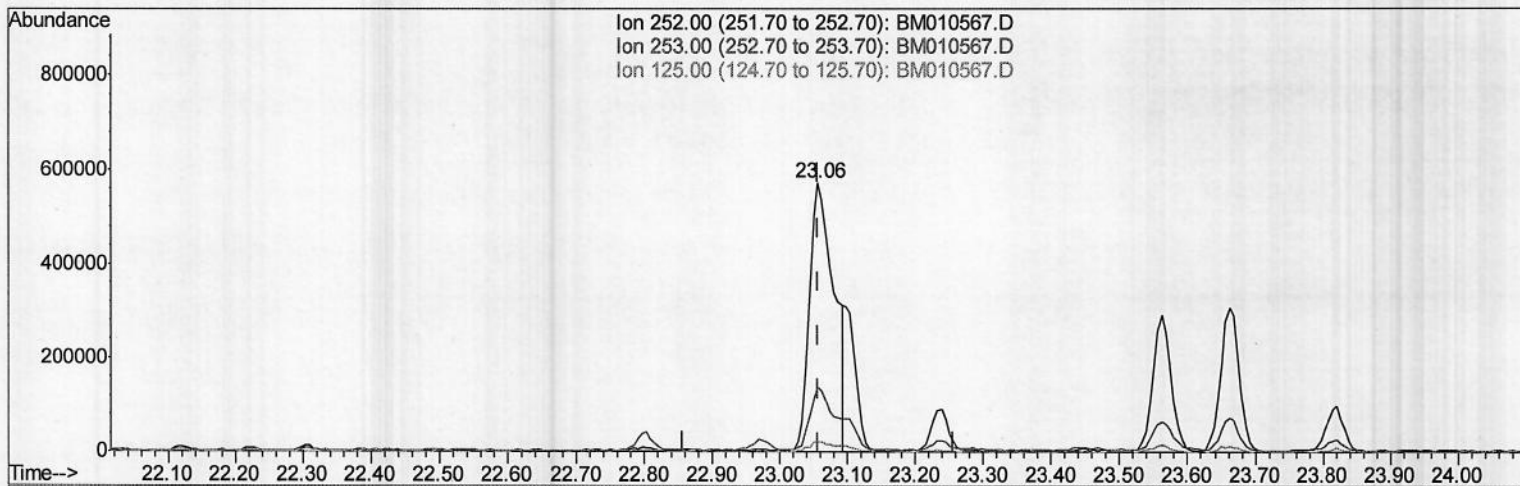
APPROVED
Manual Integrations

Instrument :
BNA_M
ClientSampled :
FSC78DL

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



TIC: BM010567.D

(85) Benzo(b)fluoranthene

23.056min (-0.000) 20.70ng/ul m

response 1424662

Ion Exp% Act%

100
 24.05
 3.87
 0.00

6/14/2017 2:57:25 PM
 mohammad

APPROVED
 Manual Integrations

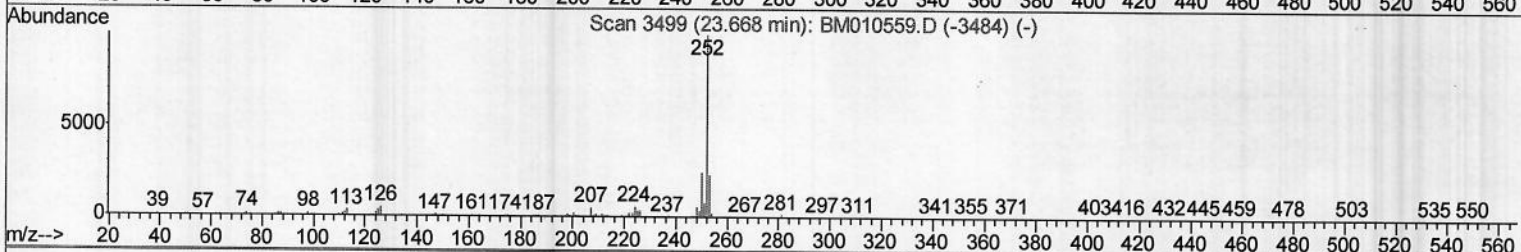
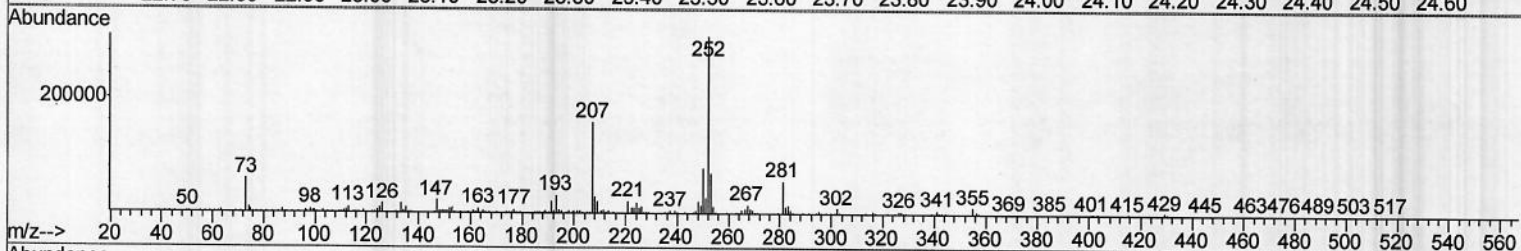
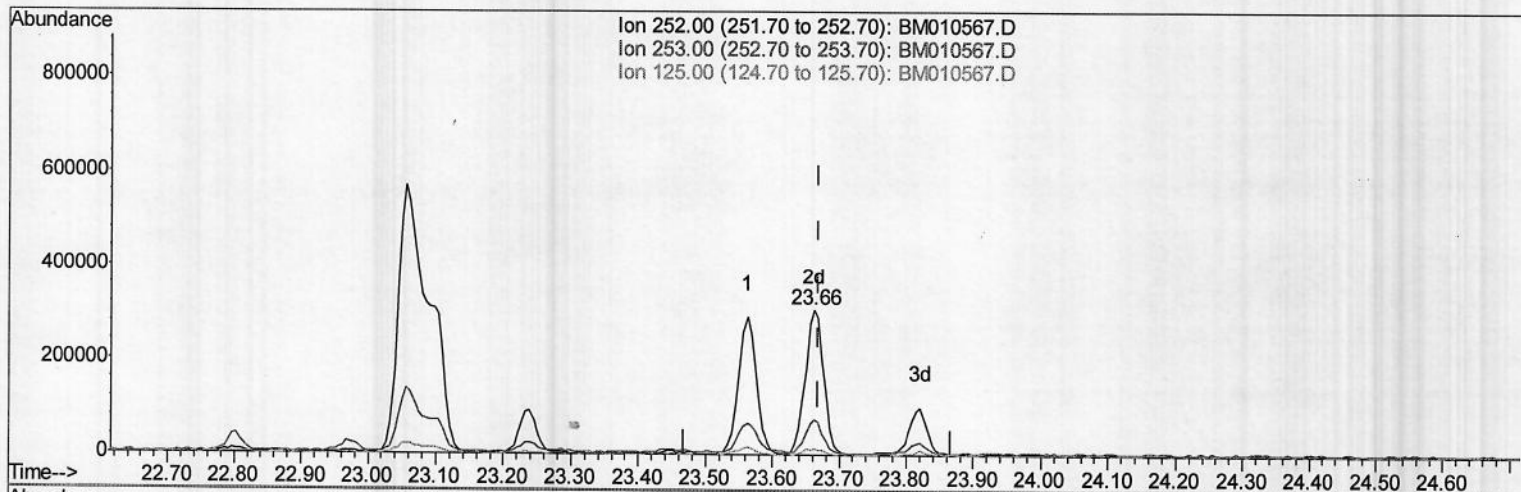
Instrument :
 BNA_M
 ClientSampled :
 FSC78DL

S.J
 06/28/2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



TIC: BM010567.D

(88) Benzo(a)pyrene (C)

23.662min (-0.006) 8.61ng/ul m

response 587442

Ion Exp% Act%

100

23.72

3.85#

0.00

6/14/2017 2:57:25 PM
 mohammad

APPROVED
 Manual Integrations

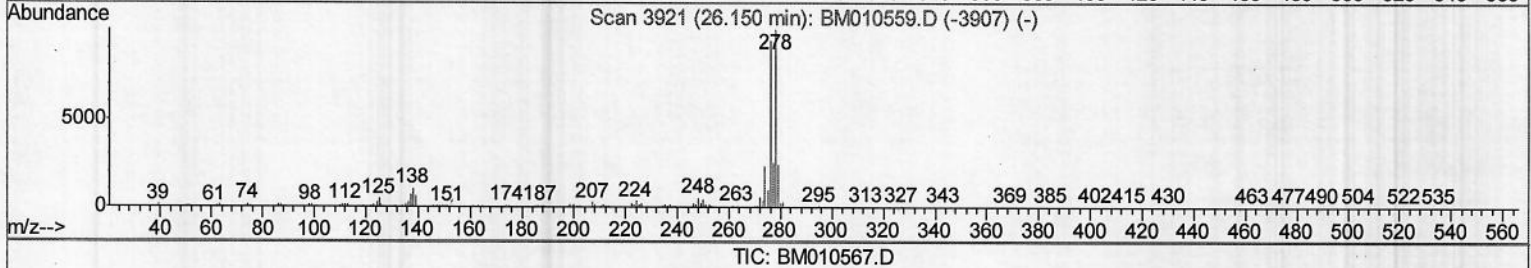
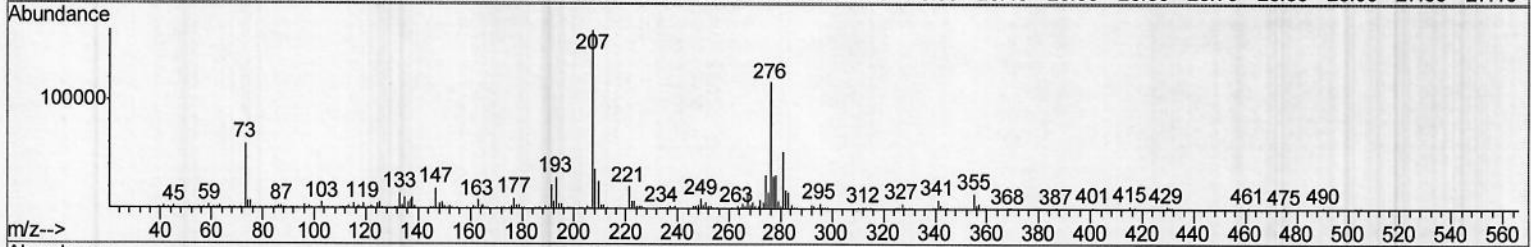
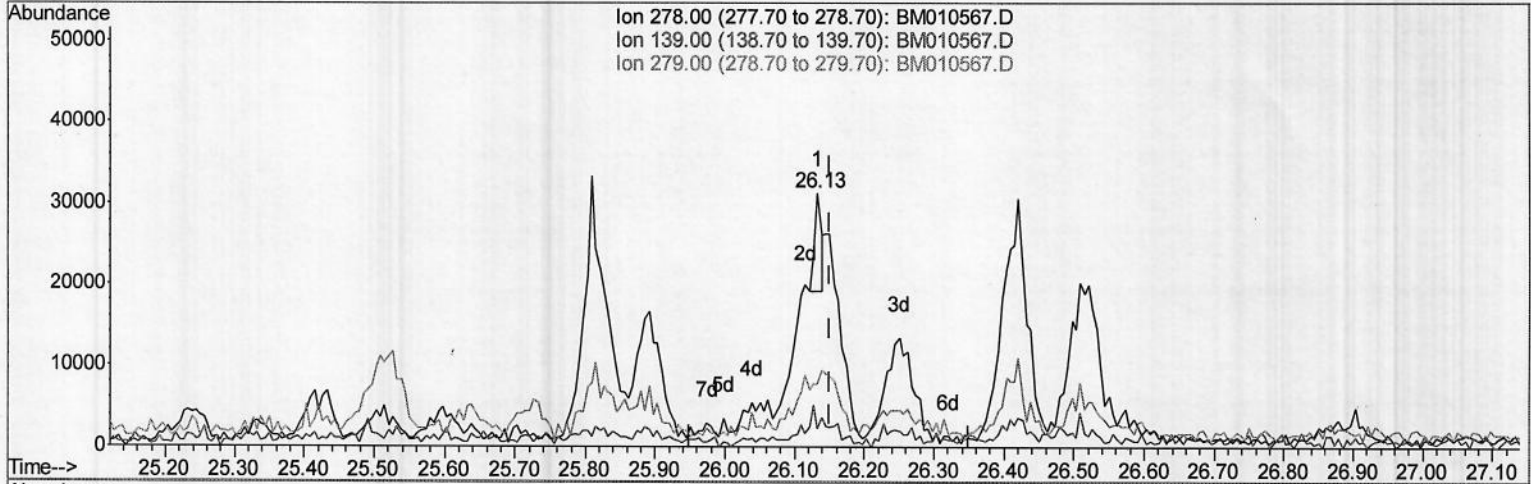
ClientSampled :
 BNA_M
 Instrument :
 FSC78DL

SOM-EPA-BM052717.M Wed Jun 14 08:39:45 2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

26.132min (-0.018) 0.11ng/ul

response 8517

Ion Exp% Act%

100

7.12

24.49

0.00

6/14/2017 2:57:25 PM
 mohammad

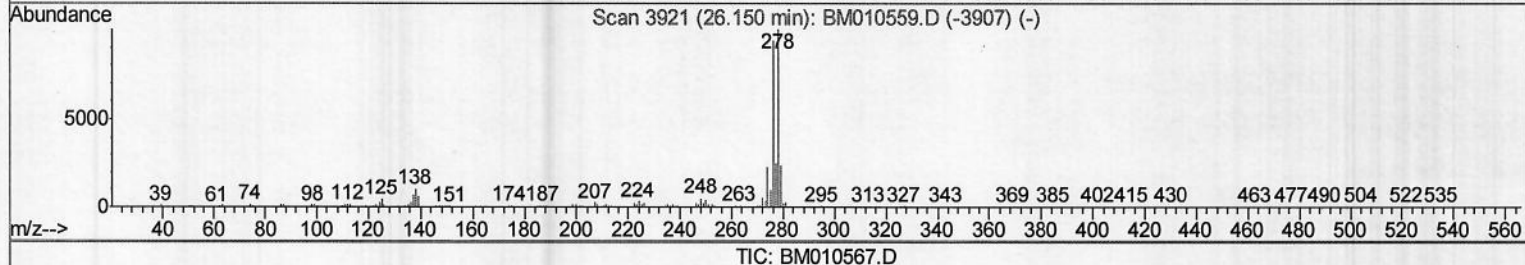
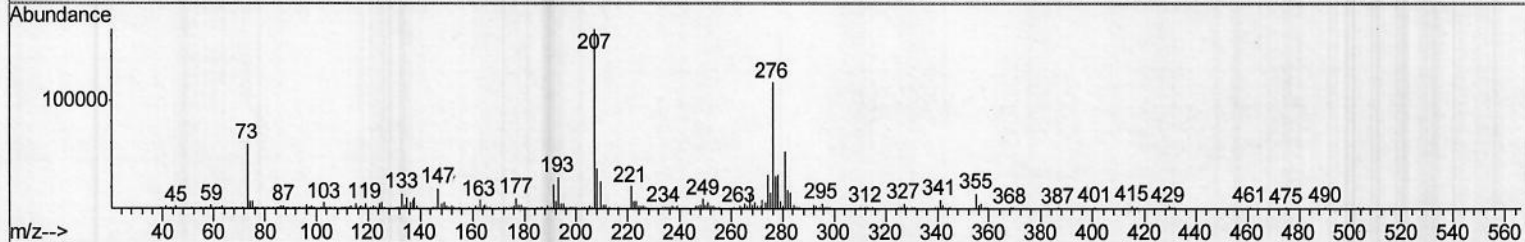
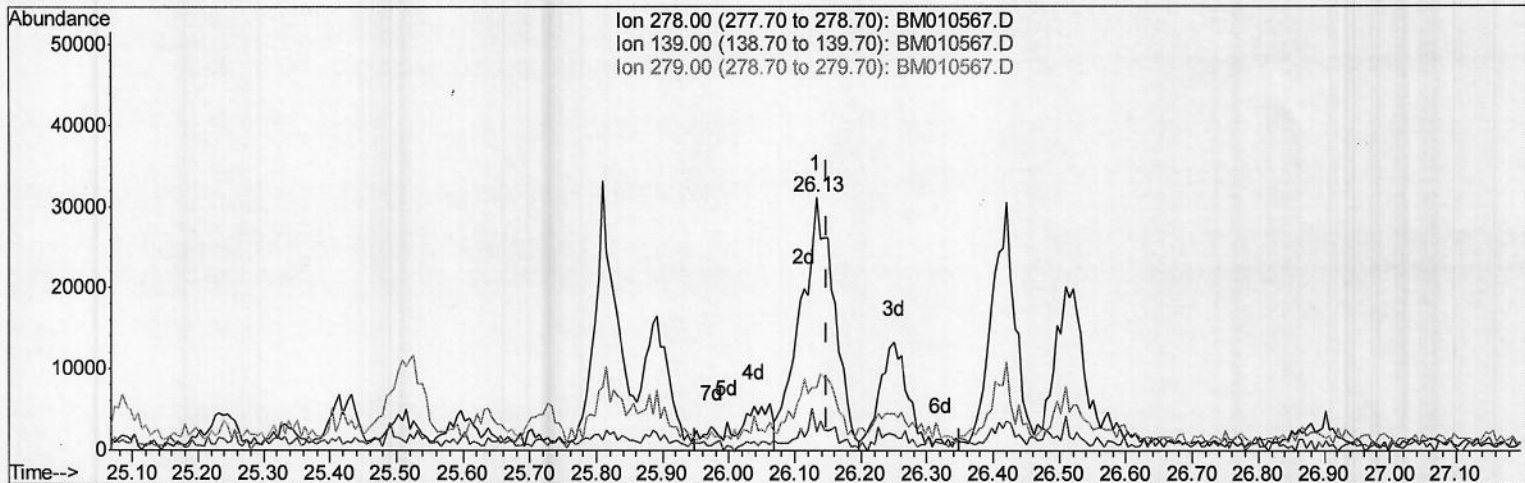
APPROVED
 Manual Integrations

ClientSampled :
 BNA_M
 Instrument :
 FSC78DL

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

26.132min (-0.018) 1.49ng/ul m

response 110939

Ion Exp% Act%

100

7.12

24.49

0.00

6/14/2017 2:57:25 PM
 mohammad

APPROVED
 Manual Integrations

ClientSampled :
 BNA_M
 Instrument :

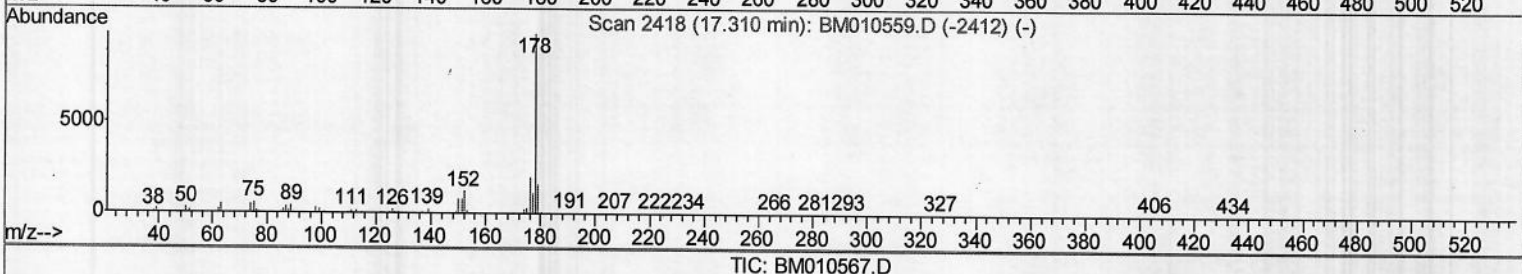
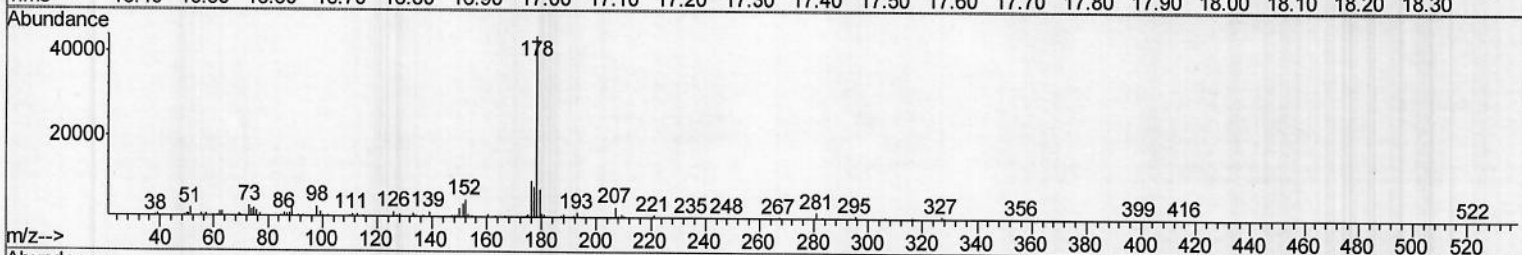
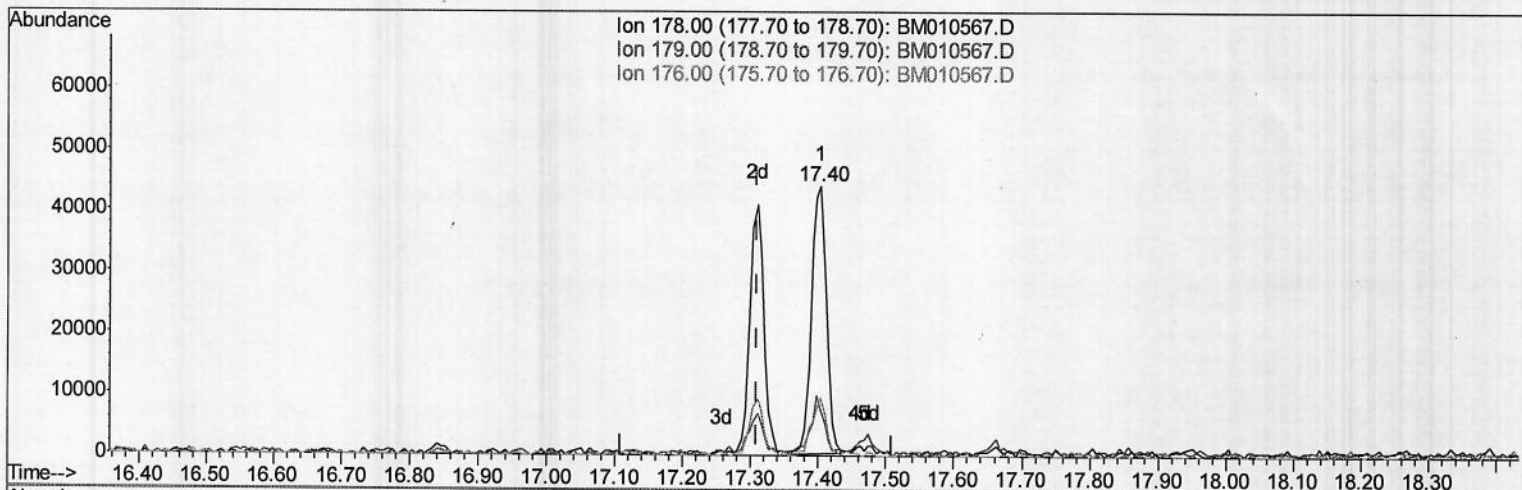
SOM-EPA-BM052717.M Wed Jun 14 08:40:50 2017

Page: 1

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(69) Phenanthrene

17.404min (+0.094) 1.72ng/ul

response 67232

Ion Exp% Act%

178.00 100 100

6/14/2017 2:57:25 PM 16.64

mohammad

APPROVED 21.37

Manual Integrations 0.00

FSC78DL

ClientSampled :

BNA_M

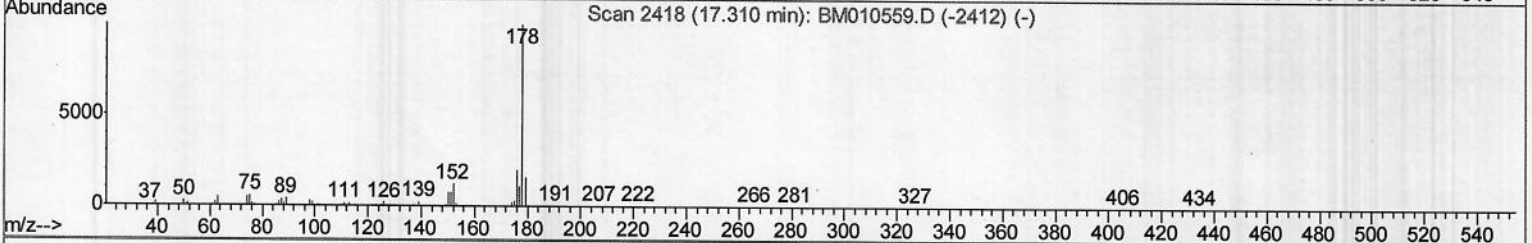
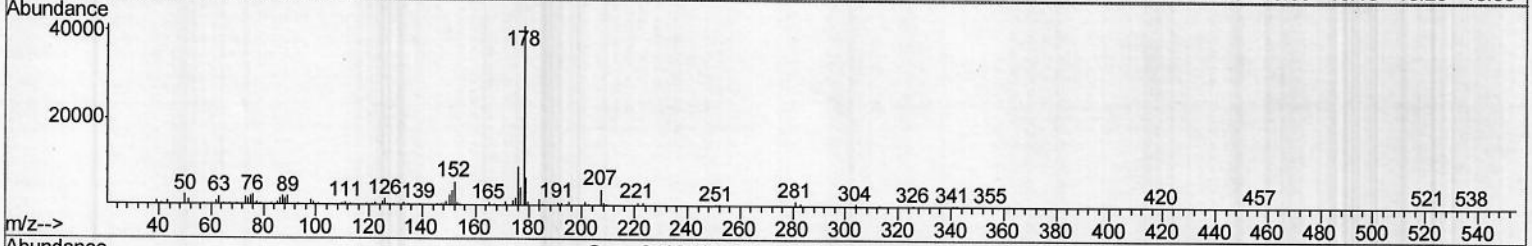
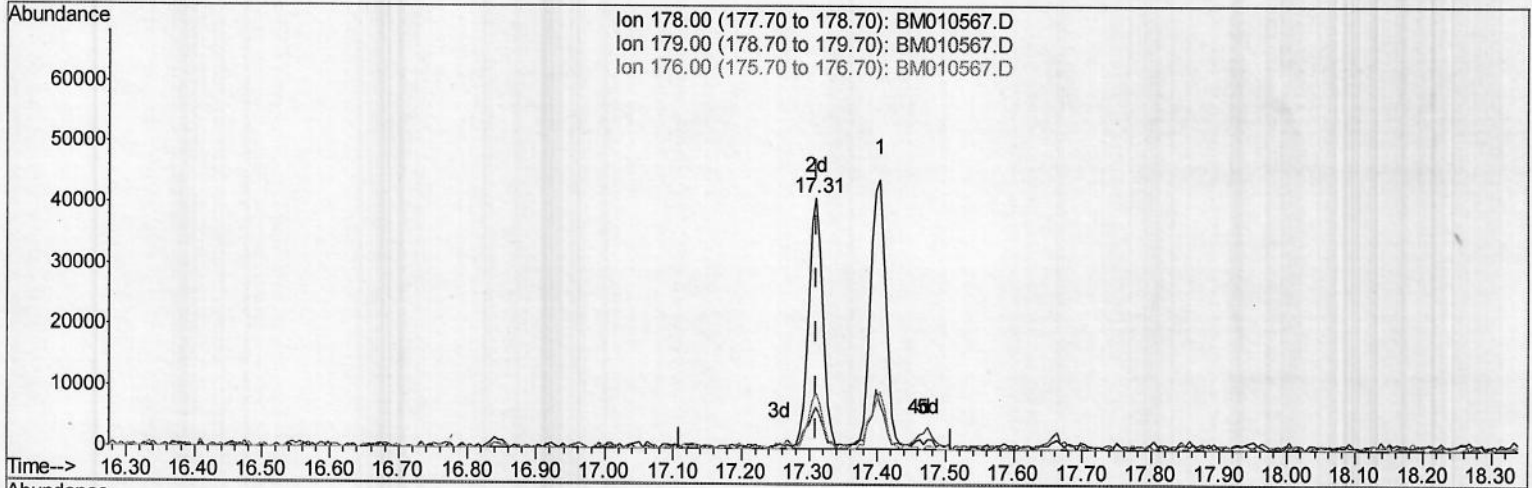
Instrument :

Wed Jun 14 08:38:29 2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



TIC: BM010567.D

(69) Phenanthrene

17.310min (-0.000) 1.53ng/ul m

response 60128

Ion Exp% Act%

100
 16.70
 22.50#
 0.00

6/14/2017 2:57:25 PM
 mohammad

Manual Integrations
 APPROVED

Instrument :
 BNA_M
 ClientSampled :
 FSC78DL

SOM-EPA-BM052717.M Wed Jun 14 08:38:39 2017

```
Data Path   : Z:\HPCHEM1\BNA_M\Data\BM061317\  
Data File  : BM010567.D  
Acq On     : 13 Jun 2017   19:19  
Operator   : SJ/MA  
Sample     : I3522-02DL 10X  
Misc       :  
ALS Vial   : 10      Sample Multiplier: 1
```

Abundance

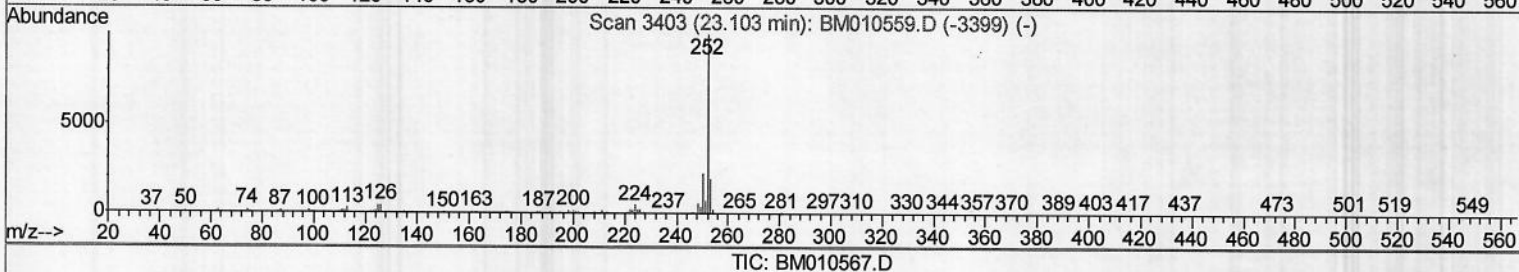
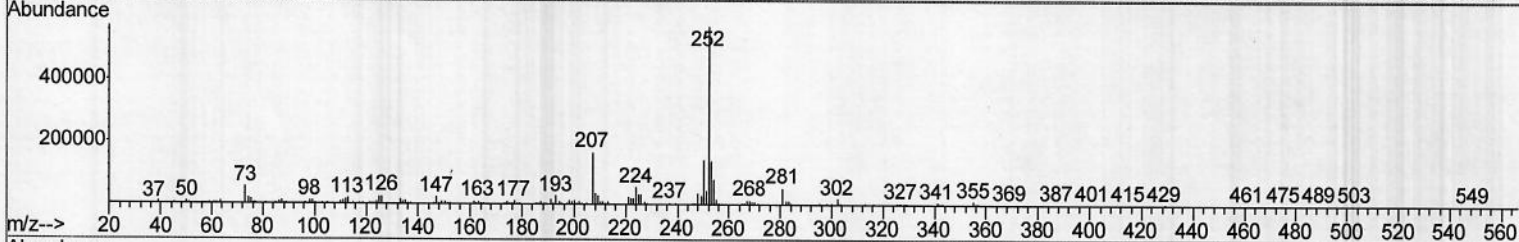
Ion 252.00 (251.70 to 252.70): BM010567.D
 Ion 253.00 (252.70 to 253.70): BM010567.D
 Ion 125.00 (124.70 to 125.70): BM010567.D

800000
 600000
 400000
 200000
 0

1
 23.06

2d

Time--> 22.10 22.20 22.30 22.40 22.50 22.60 22.70 22.80 22.90 23.00 23.10 23.20 23.30 23.40 23.50 23.60 23.70 23.80 23.90 24.00 24.10



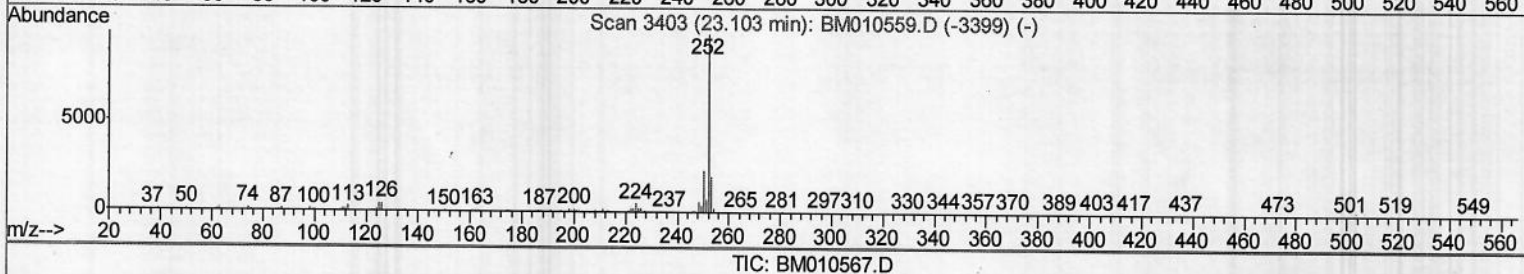
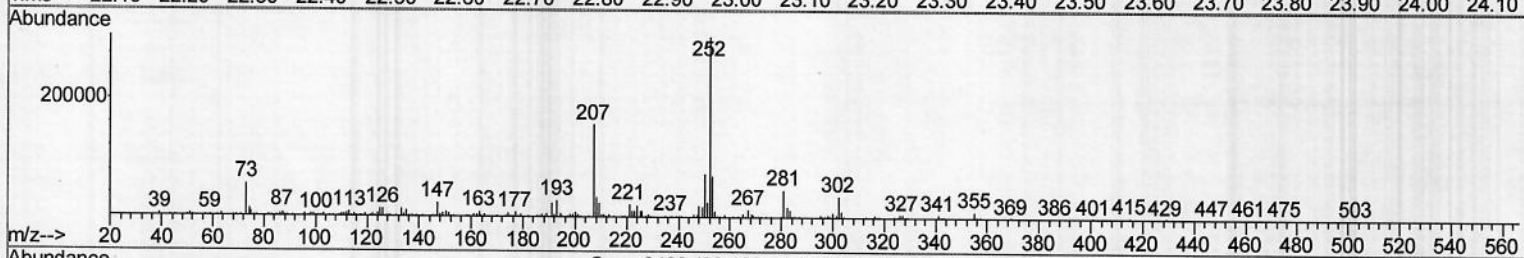
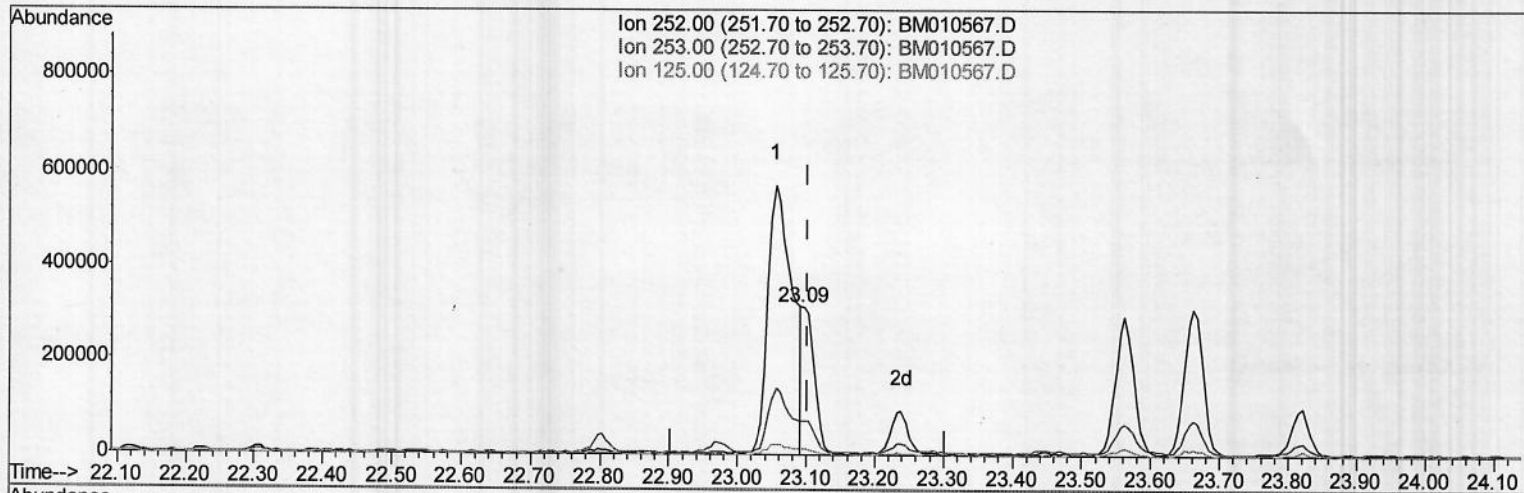
100
24.05
3.87
0.00

Page: 1

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.092min (-0.012) 5.50ng/ul m

response 361266

Ion Exp% Act%

252.00 100 100

6/14/2017 2:57:25 PM

mohammad

APPROVED

Manual Integrations

FSC78DL

ClientSampled :

BNA_M

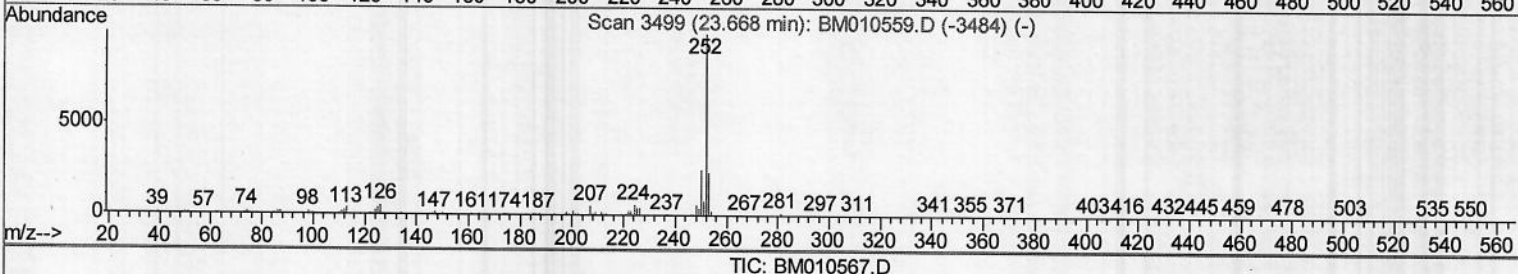
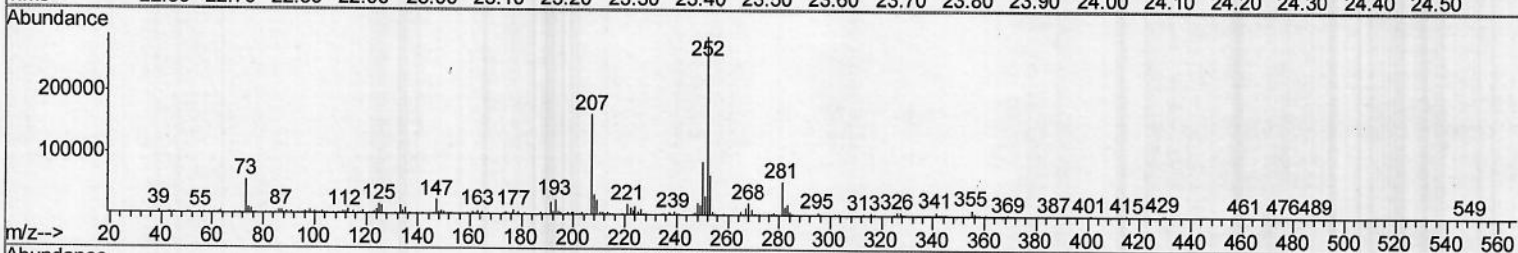
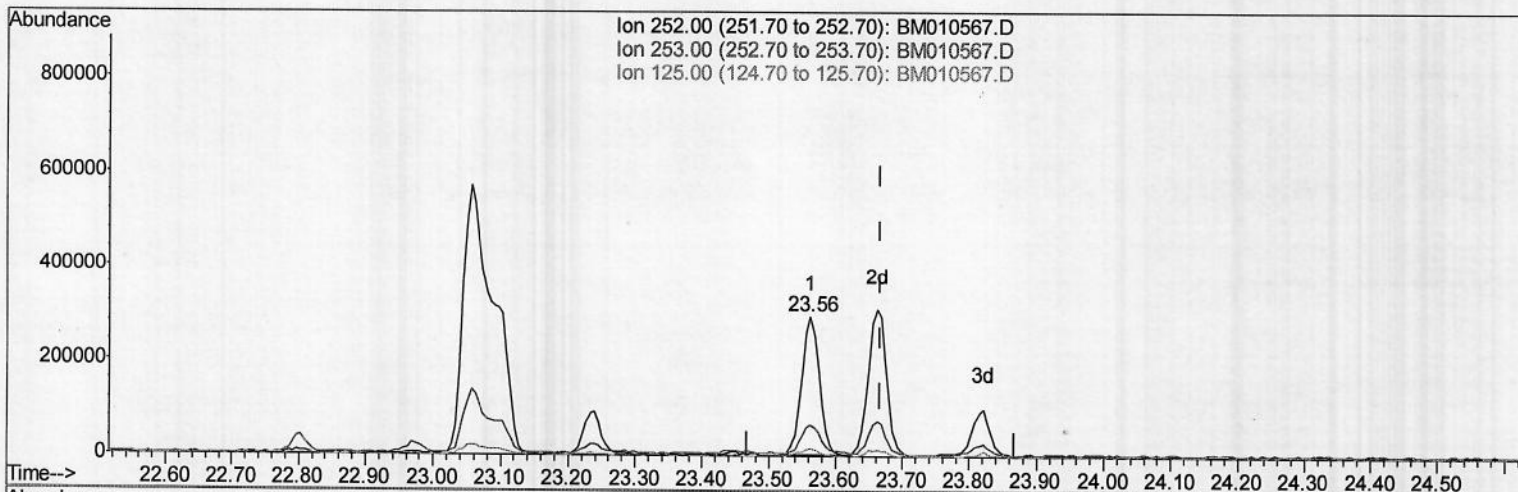
Instrument :

Wed Jun 14 08:39:27 2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 01:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration



(88) Benzo(a)pyrene (C)

23.562min (-0.106) 7.79ng/ul

response 531171

Ion Exp% Act%

252.00 100 100

6/14/2017 2:57:25 PM 22.61

mohammad

APPROVED 5.50

Manual Integrations 0.00

FSC78DL

ClientSampled :

BNA_M

Instrument :

Wed Jun 14 08:39:34 2017

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061317\
 Data File : BM010567.D
 Acq On : 13 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3522-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 08:40:15 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	126761	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	416192	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	283288	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	733792	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1101969	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1182509	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.36	96	2119	0.69	ng/uL	0.01
5) Phenol-d5	7.07	99	20923	2.18	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.22	67	12571	2.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	20252	2.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	16188	2.09	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	8748	2.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	11348	3.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	20108	2.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	15369	2.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	75381	3.20	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	77513	2.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	7766	2.21	ng/ul	0.01
57) Fluorene-d10	15.51	176	65097	3.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	11620	2.24	ng/ul	0.00
70) Anthracene-d10	17.36	188	110258	3.09	ng/ul	0.00
76) Pyrene-d10	19.66	212	135887	2.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	161352	2.93	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Dimethylphthalate	13.98	163	35502	1.534	ng/ul	99
69) Phenanthrene	17.31	178	60128m	1.535	ng/ul	
71) Anthracene	17.40	178	67613	1.653	ng/ul	94
74) Fluoranthene	19.32	202	485242	10.073	ng/ul#	93
77) Pyrene	19.69	202	623838	10.986	ng/ul#	95
80) Benzo(a)anthracene	21.42	228	520914	8.383	ng/ul	98
82) Chrysene	21.47	228	498611m	8.876	ng/ul	
85) Benzo(b)fluoranthene	23.06	252	1424662m	20.705	ng/ul	
86) Benzo(k)fluoranthene	23.09	252	361266m	5.496	ng/ul	
88) Benzo(a)pyrene	23.66	252	587442m	8.613	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.13	276	353671	4.104	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.13	278	110939m	1.495	ng/ul	
91) Benzo(g,h,i)perylene	26.87	276	237660	3.348	ng/ul#	96

S.J
 06/26/2017

6/14/2017 2:57:25 PM
 mohammad

Manual Integrations
 APPROVED

Instrument :
 BNA_M
 ClientSampled :
 FSC78DL

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