

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
Quantitation Report (QT Reviewed)

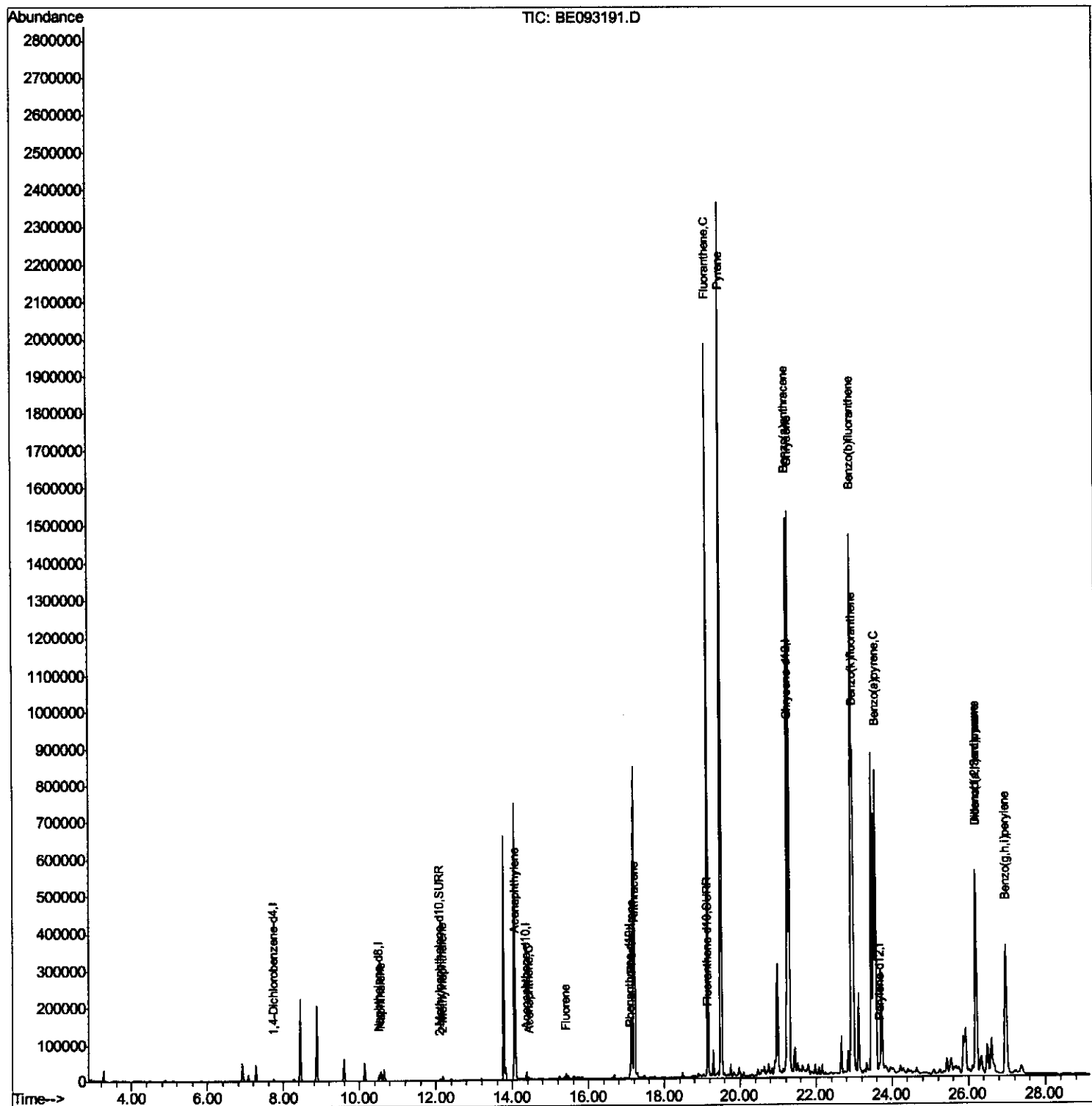
Data File : BE093191.D
Acq On : 15 Jun 2017 4:22
Operator : SJ/MA
Sample : I3521-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5C24

Manual Integrations
APPROVED

mohammad
6/15/2017 3:53:58 PM

Quant Time: Jun 15 04:58:33 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration



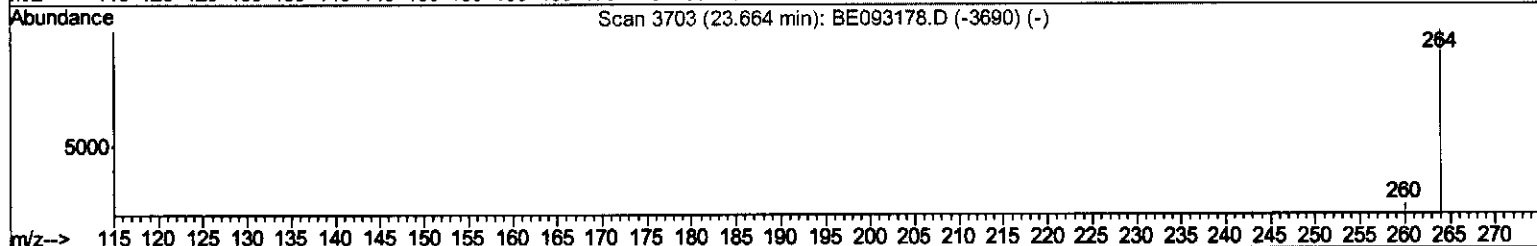
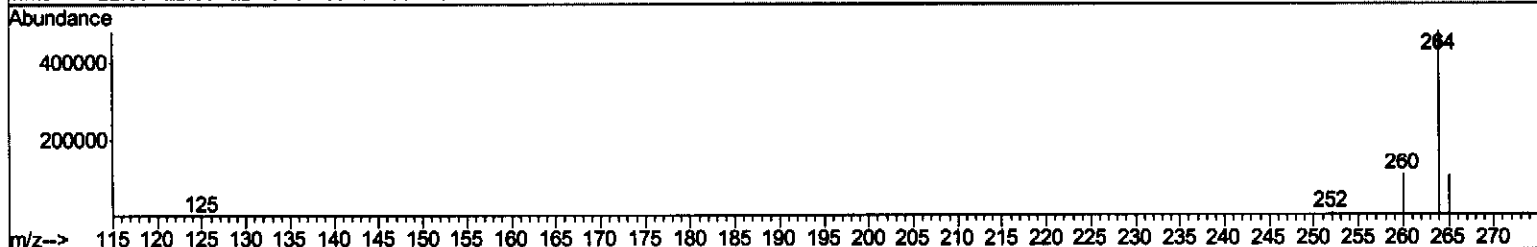
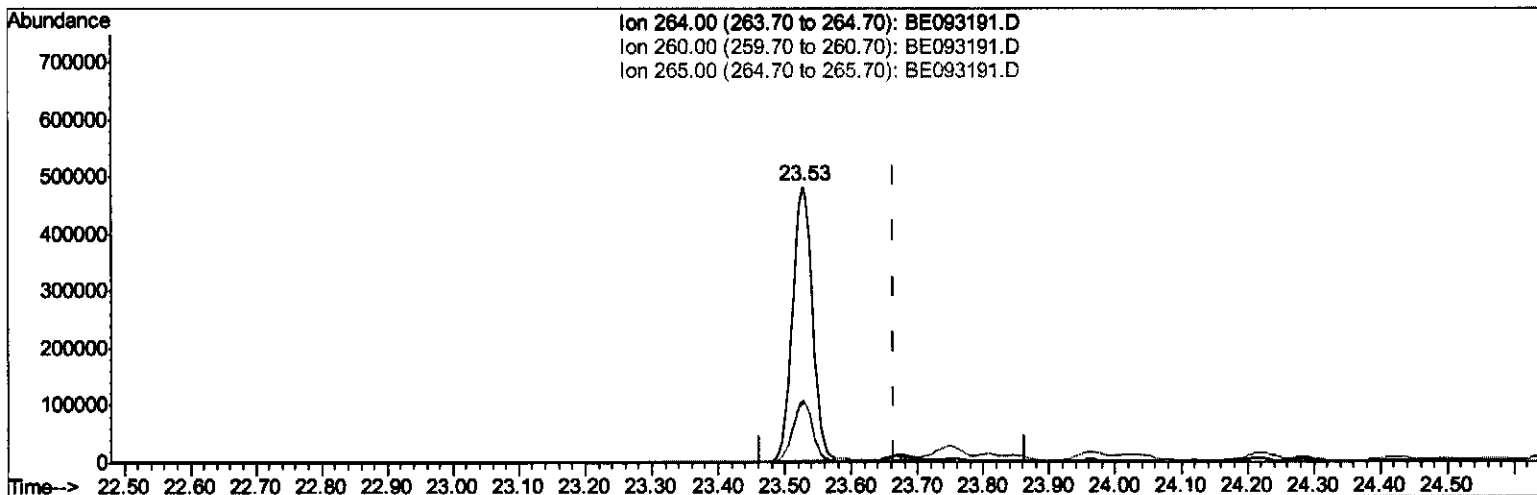
Data File : BE093191.D
 Acq On : 15 Jun 2017 4:22
 Operator : SJ/MA
 Sample : I3521-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F5C24

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:53:58 PM

Quant Time: Jun 15 04:52:52 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 03:59:13 2017
 Response via : Initial Calibration



TIC: BE093191.D

(20) Perylene-d12 (I)
 23.528min (-0.136) 0.40ng/ul
 response 1000008

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.21#
265.00	103.50	21.54#
0.00	0.00	0.00

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations

APPROVED

mohammad

6/15/2017 3:53:58 PM

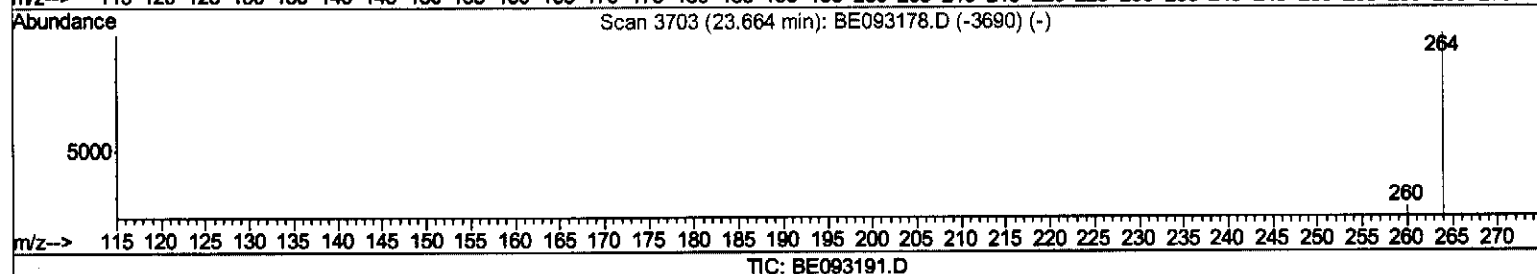
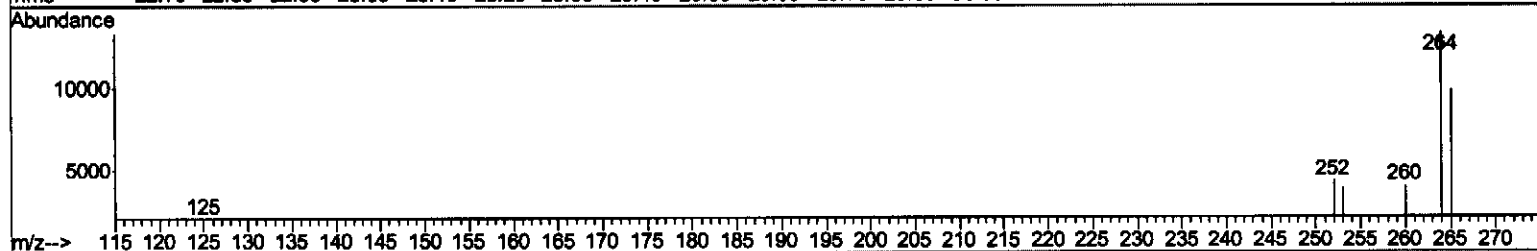
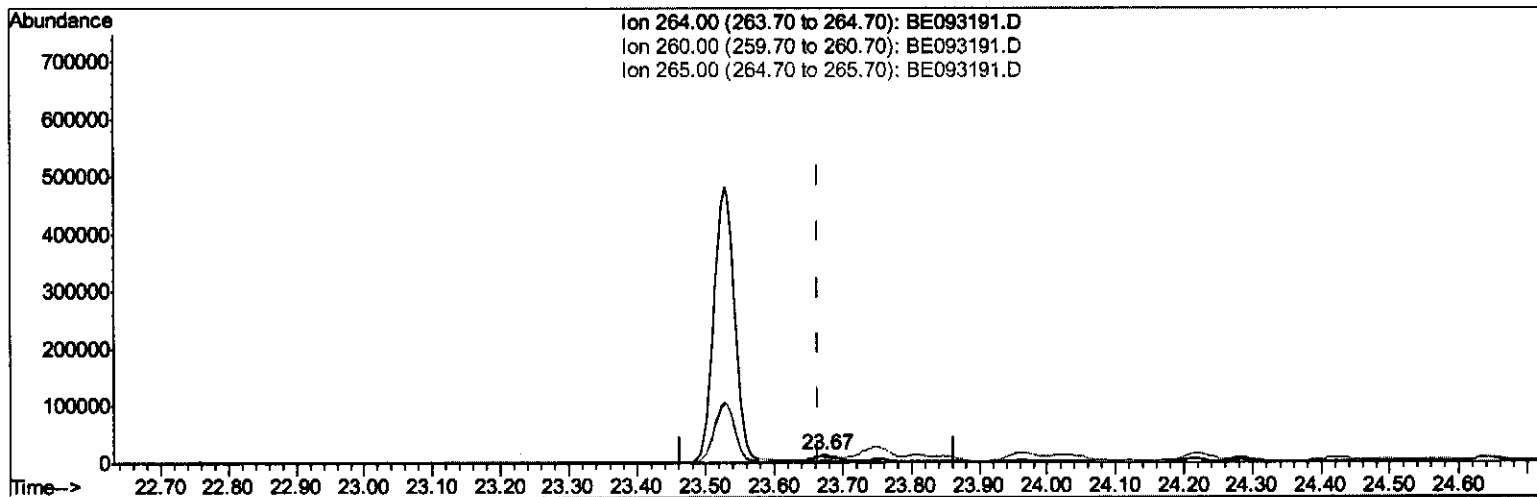
Quant Time: Jun 15 04:52:52 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



(20) Perylene-d12 (I)

23.673min (+0.009) 0.40ng/ul m

response 24161

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.34
265.00	103.50	73.13#
0.00	0.00	0.00

> SJ
06/21/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations
APPROVED

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6/15/2017 3:53:58 PM

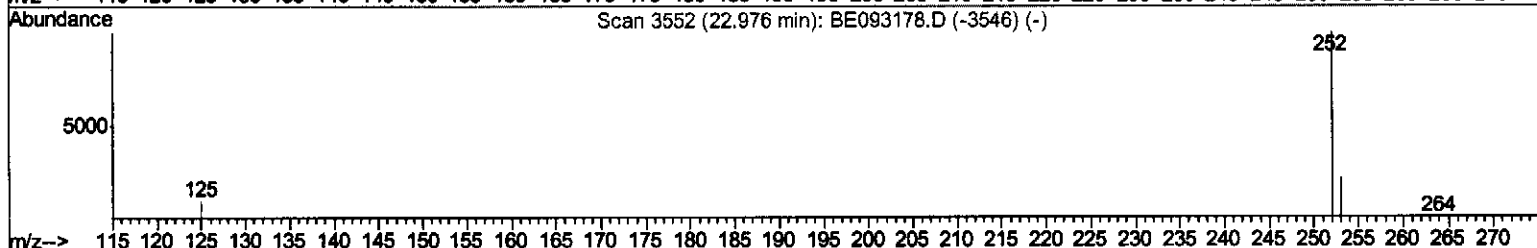
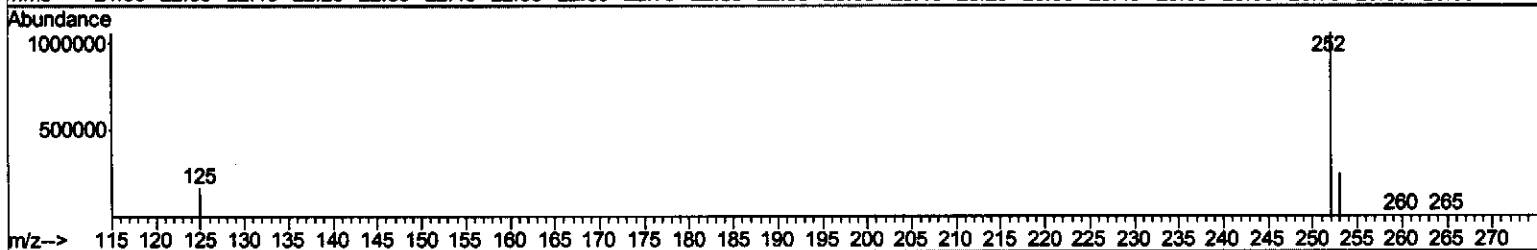
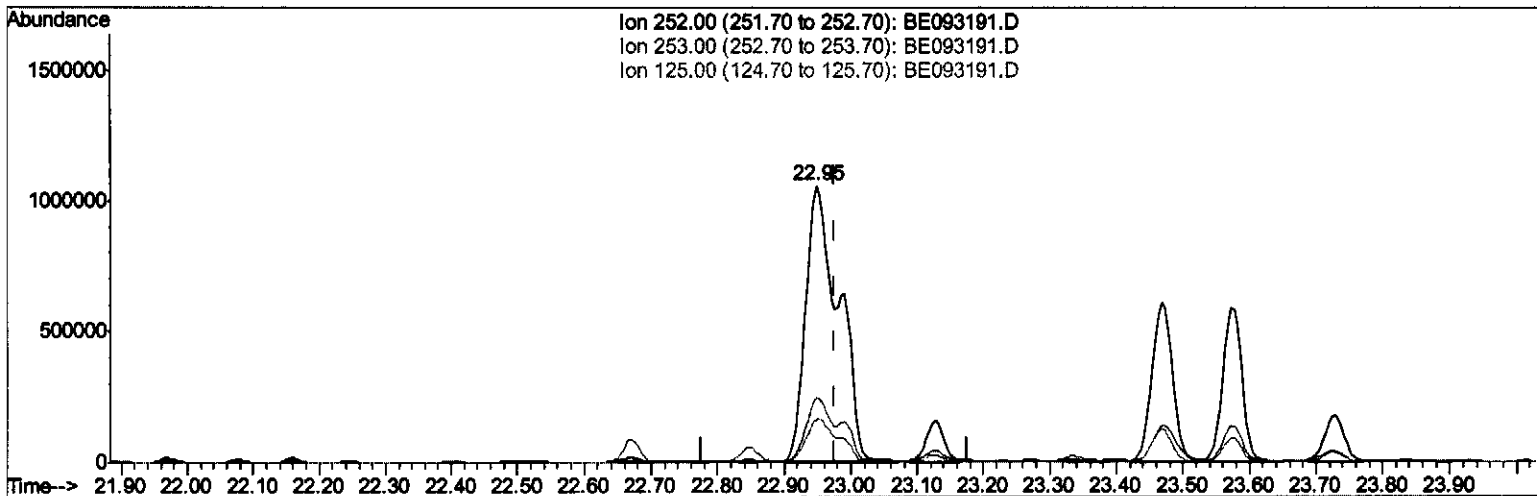
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.949min (-0.027) 45.97ng/ul

response 3579699

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.36#
125.00	17.10	15.63
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5C24

Manual Integrations
APPROVED

mohammad
6/15/2017 3:53:58 PM

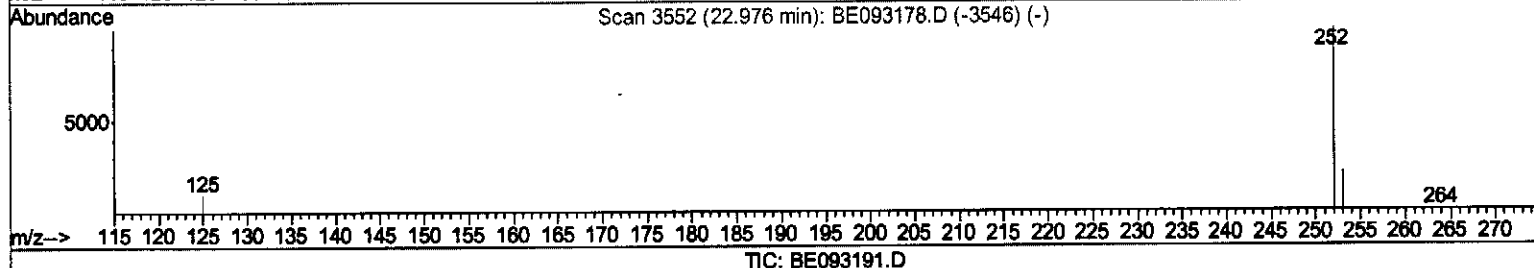
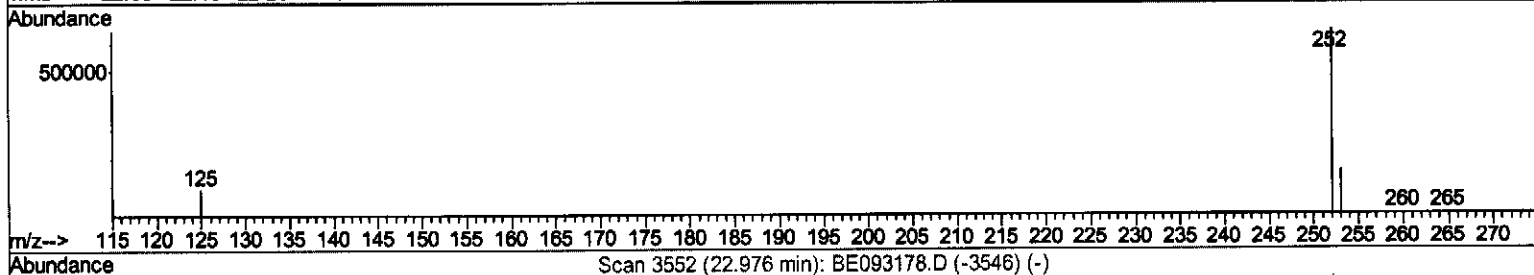
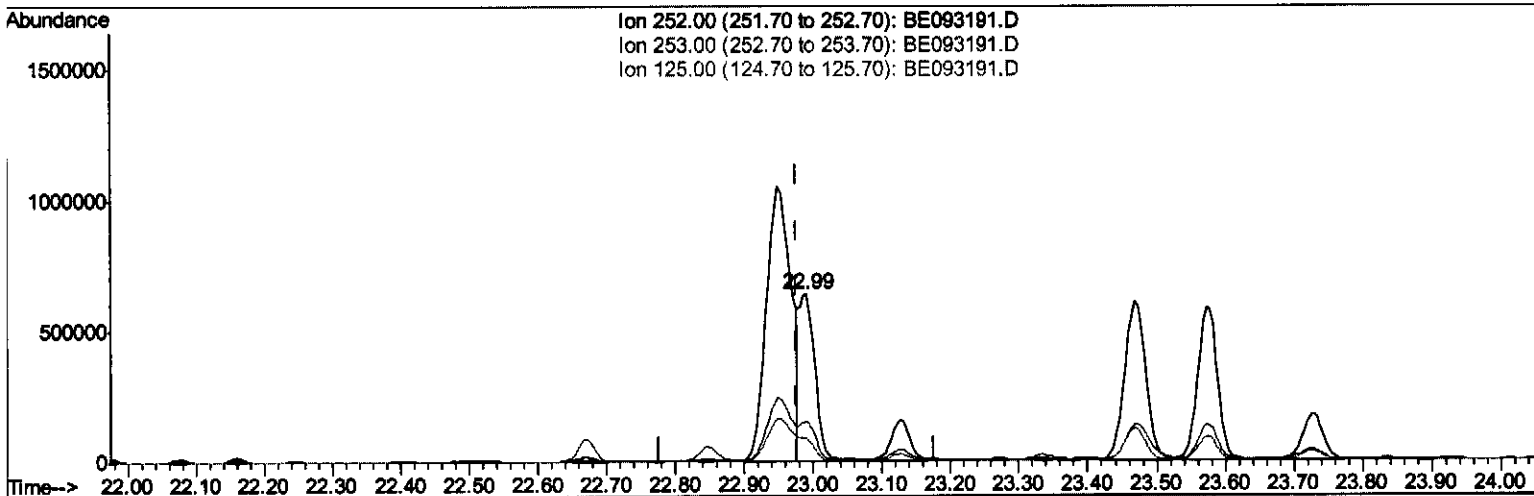
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.990min (+0.014) 12.64ng/ul m > SJ

response 984157

06/21/17

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.01#
125.00	17.10	14.28
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations
APPROVED

mohammad

6/15/2017 3:53:58 PM

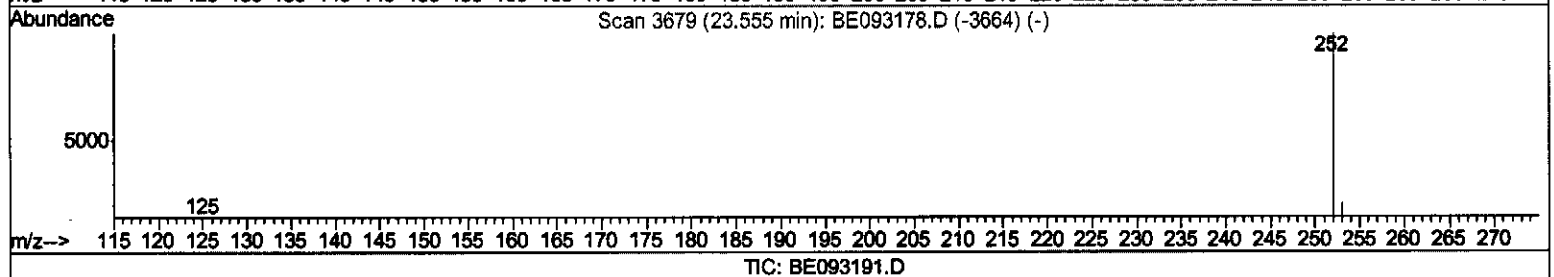
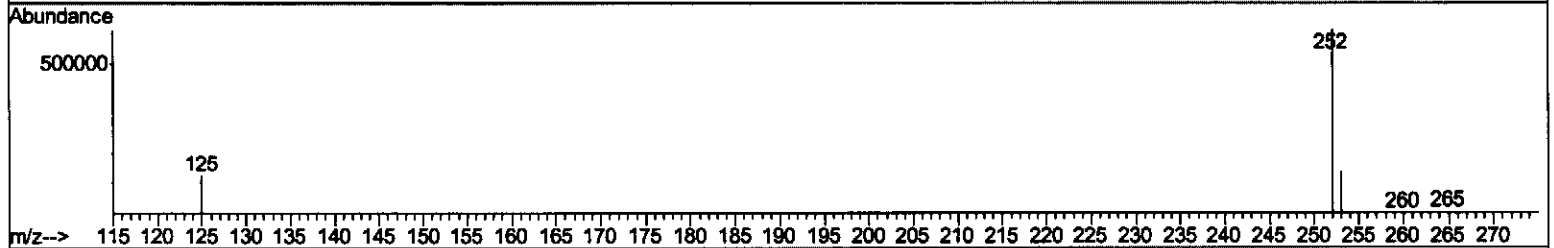
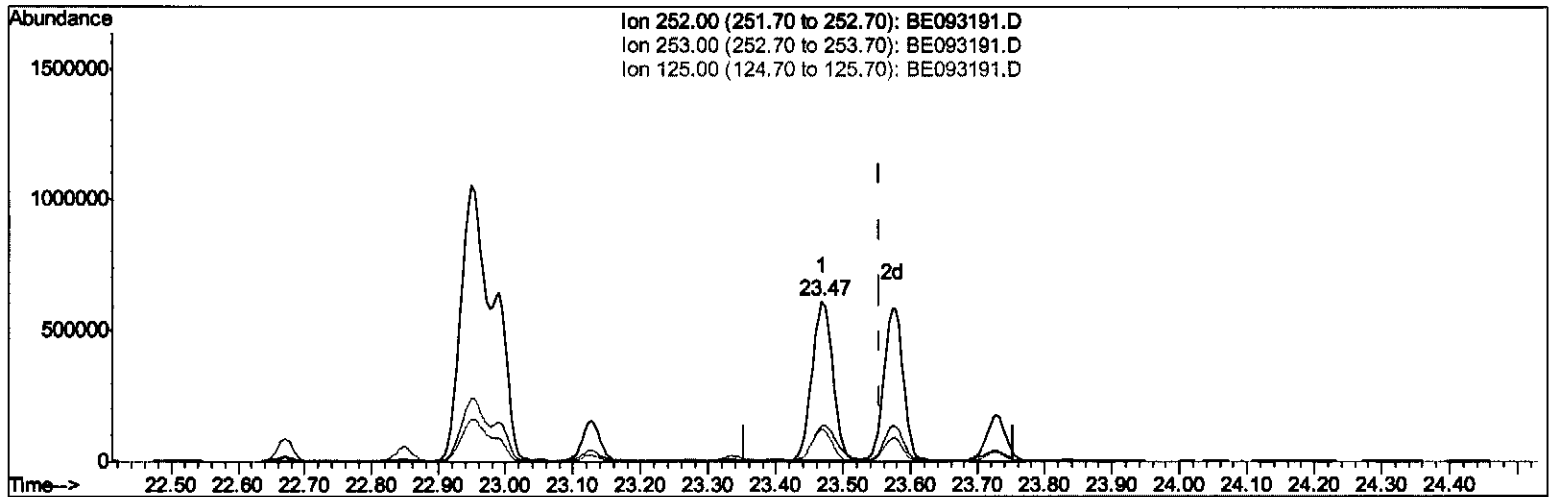
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.468min (-0.086) 18.75ng/ul

response 1299583

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.97#
125.00	22.60	20.55
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleID :

F5C24

Manual Integrations
APPROVED

mohammad

6/15/2017 3:53:58 PM

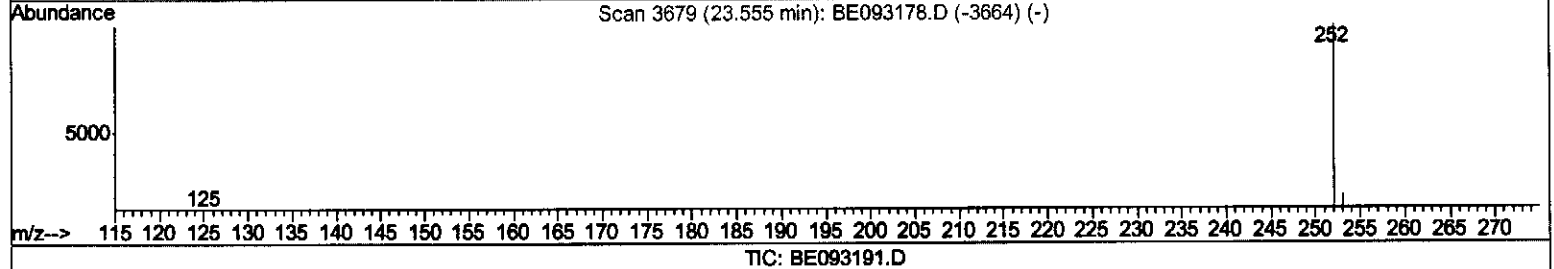
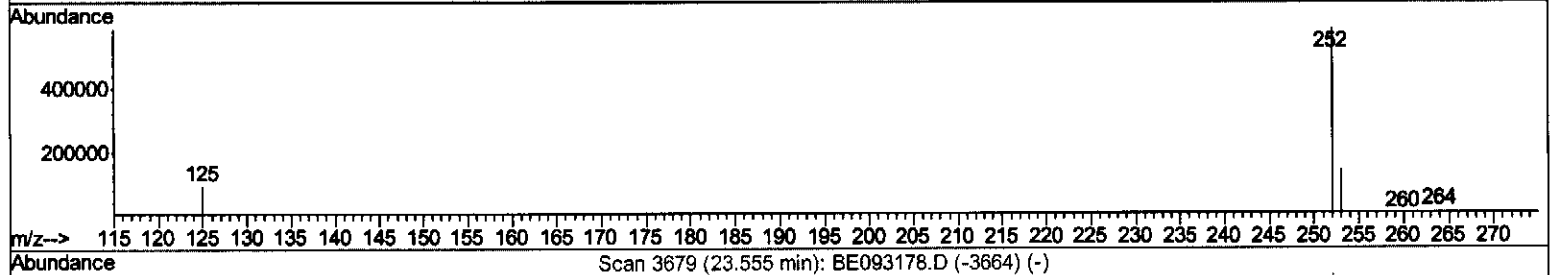
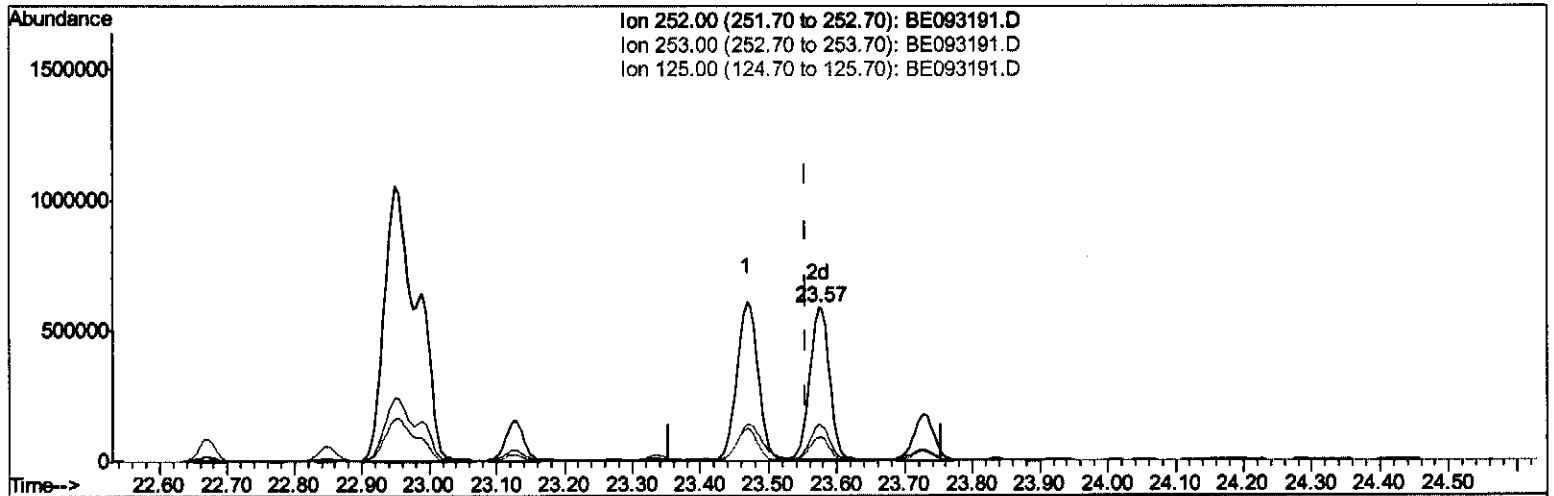
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.573min (+0.019) 16.66ng/ul m

response 1154894

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.50#
125.00	22.60	15.68#
0.00	0.00	0.00

> $\frac{57}{06/21/17}$

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations
APPROVED

mohammad
6/15/2017 3:53:58 PM

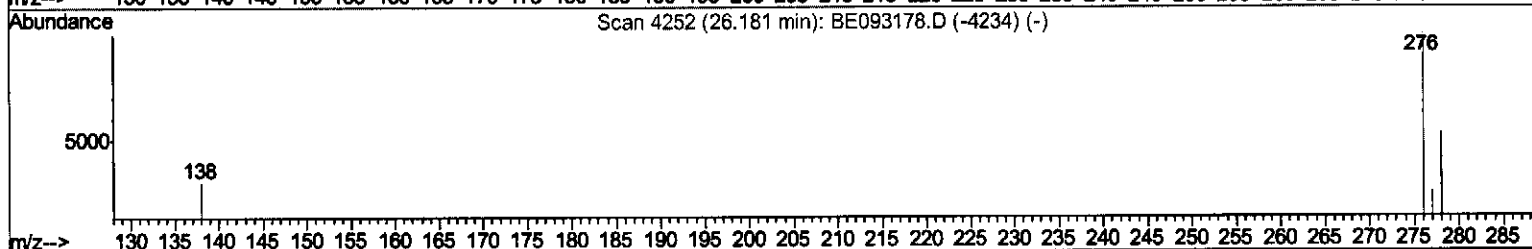
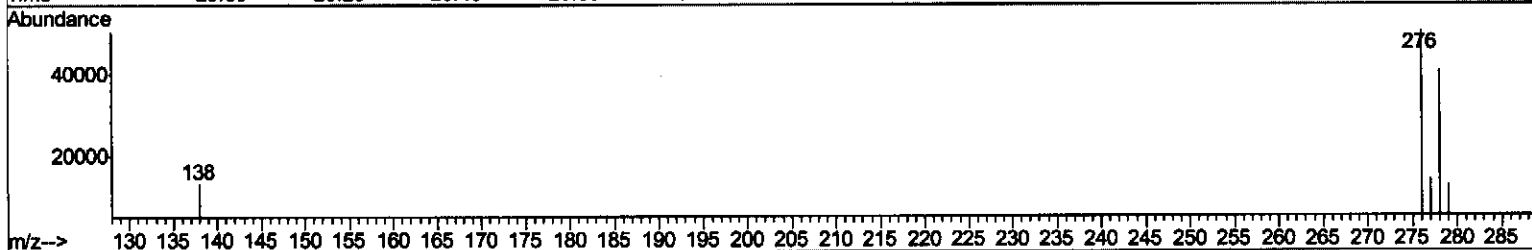
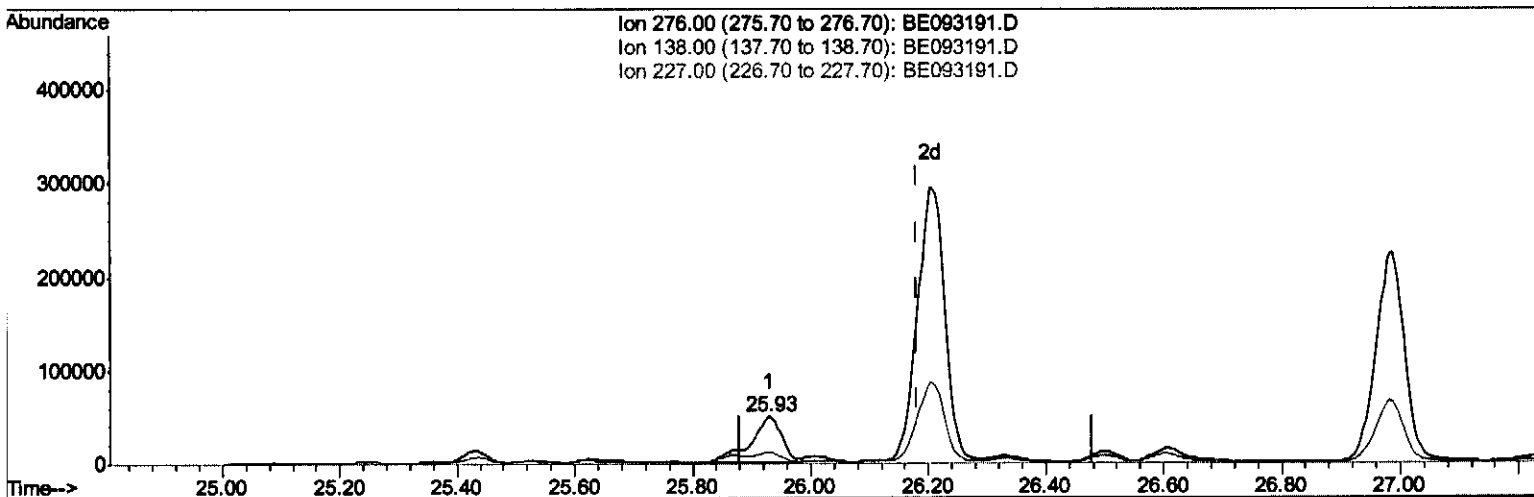
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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Response via : Initial Calibration



TIC: BE093191.D

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

25.930min (-0.251) 2.33ng/ul

response 186977

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	16.73#
227.00	10.00	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations
APPROVED

mohammad

6/15/2017 3:53:58 PM

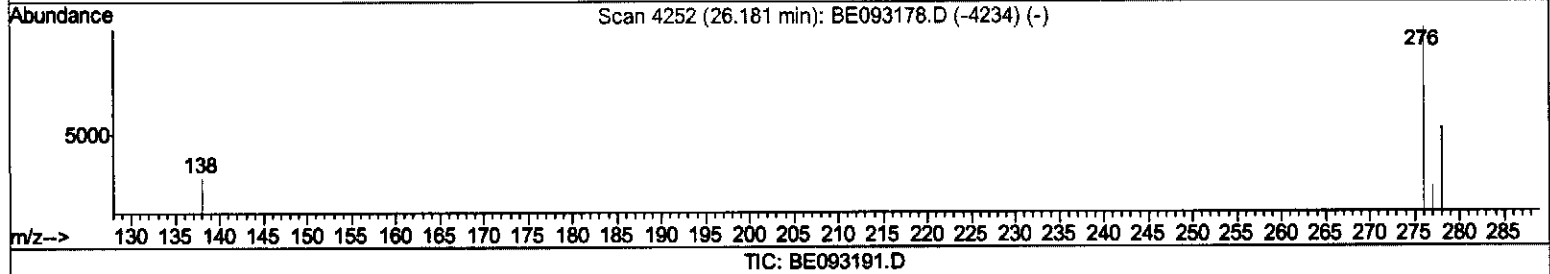
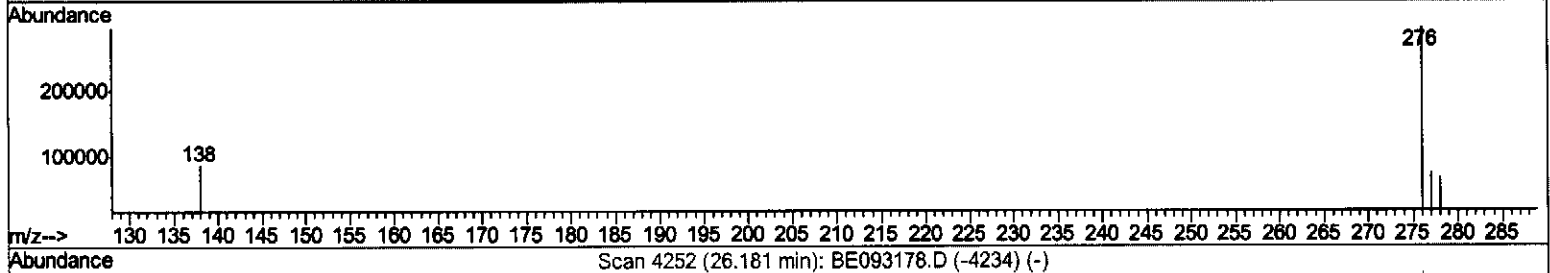
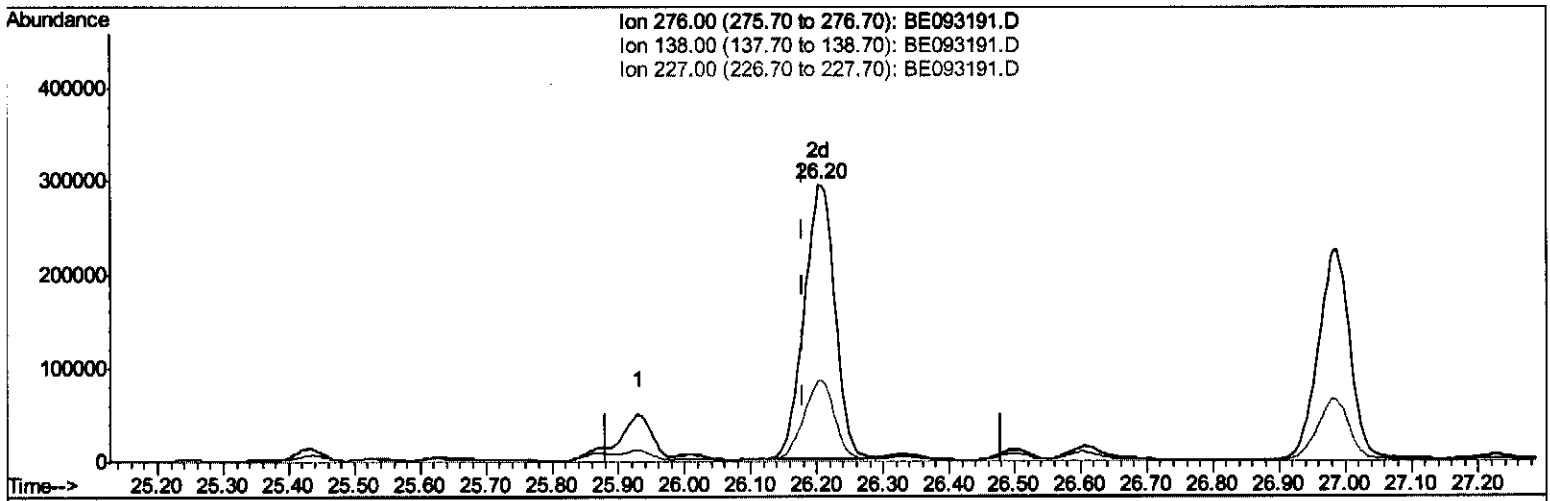
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



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

26.204min (+0.023) 11.76ng/ul m

response 944396

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.31#
227.00	10.00	0.00#
0.00	0.00	0.00

> SJ
06/21/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations
APPROVED

mohammad

6/15/2017 3:53:58 PM

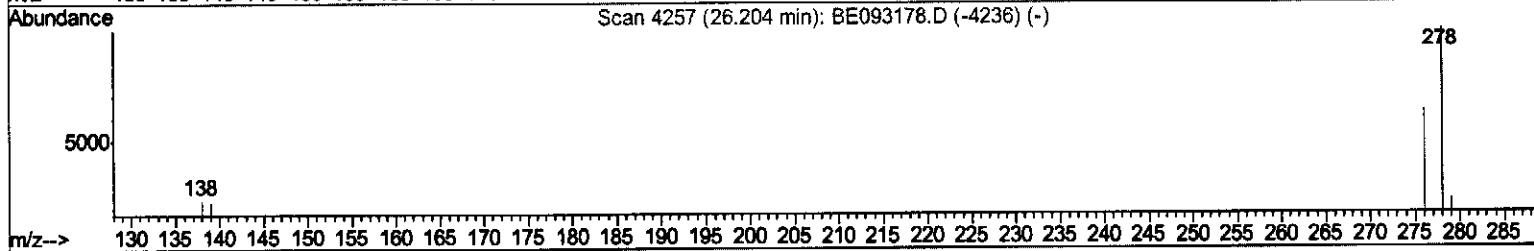
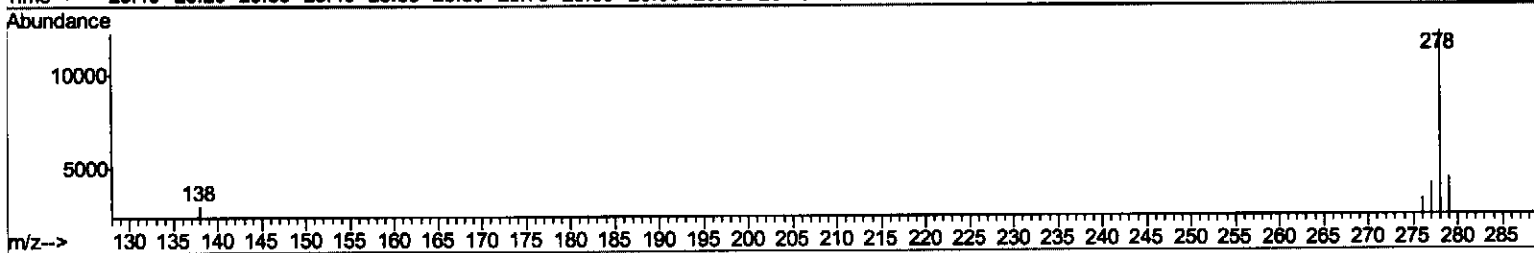
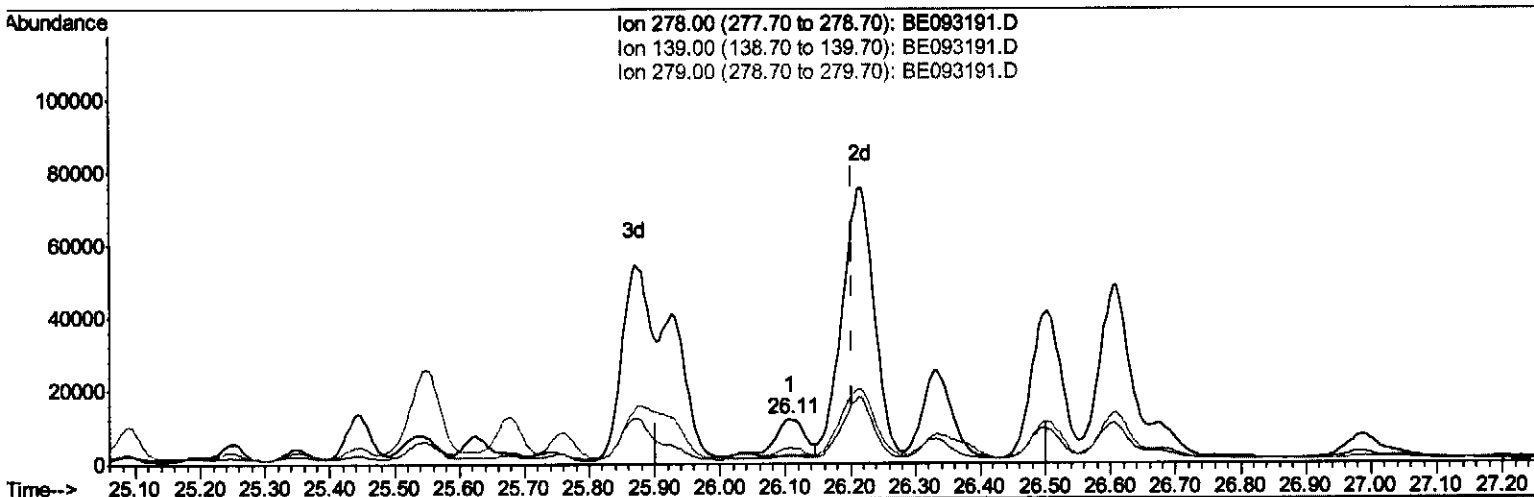
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



TIC: BE093191.D

(25) Dibenzo(a,h)anthracene

26.108min (-0.096) 0.43ng/ul

response 28872

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.73
279.00	32.40	35.65
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (Qedit)

Data File : BE093191.D

Acq On : 15 Jun 2017 4:22

Operator : SJ/MA

Sample : I3521-15

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5C24

Manual Integrations
APPROVED

mohammad
6/15/2017 3:53:58 PM

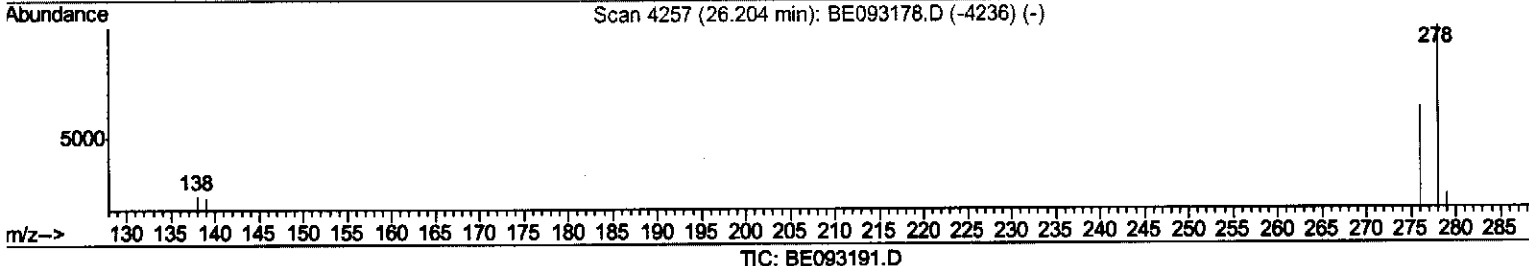
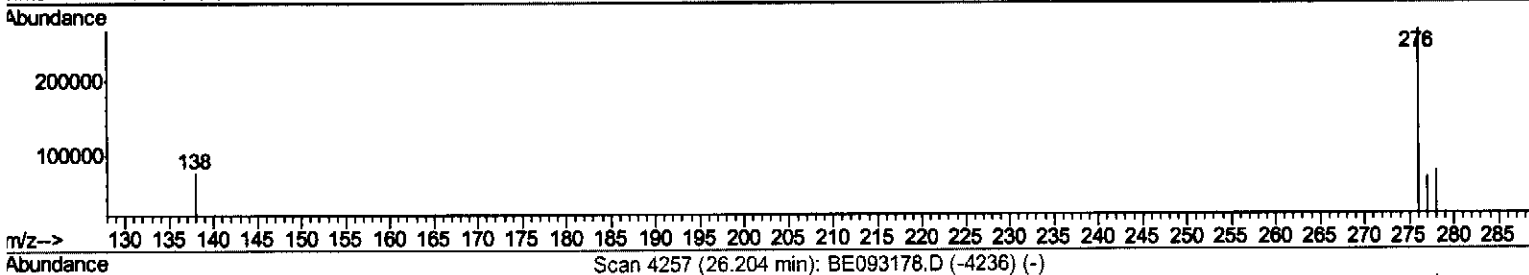
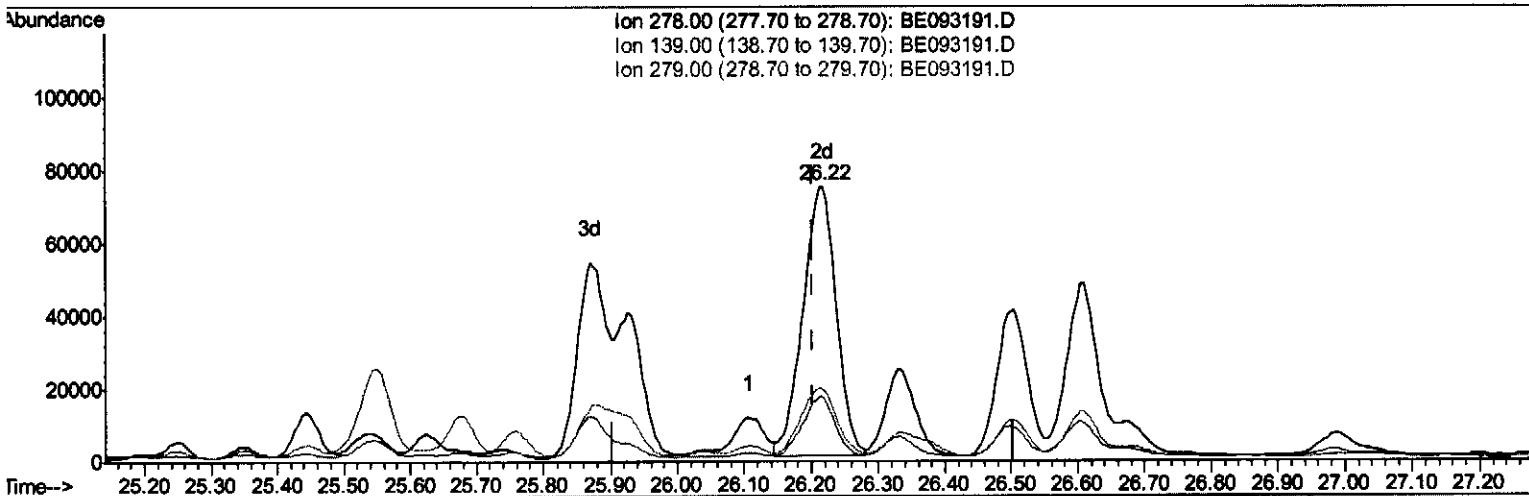
Quant Time: Jun 15 04:57:24 2017

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.217min (+0.014) 3.77ng/ul m

response 255047

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.46
279.00	32.40	26.42
0.00	0.00	0.00

SS
06/21/17

Data File : BE093191.D
Acq On : 15 Jun 2017 4:22
Operator : SJ/MA
Sample : I3521-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C24

Manual Integrations
APPROVED

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6/15/2017 3:53:58 PM

Quant Time: Jun 15 04:58:33 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3357	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17602	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10885	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	25242	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	26654	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	24161m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5650	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	13903	0.20	ng/ul	0.00
Target Compounds						
					Qvalue	
3) Naphthalene	10.57	128	34754	0.80	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	9406	0.31	ng/ul	98
7) Acenaphthylene	14.08	152	229641	4.92	ng/ul	96
8) Acenaphthene	14.43	153	4946	0.13	ng/ul	96
9) Fluorene	15.42	166	11485	0.26	ng/ul	92
12) Phenanthrene	17.14	178	183255	2.64	ng/ul#	87
13) Anthracene	17.22	178	404432	6.69	ng/ul#	85
15) Fluoranthene	19.16	202	2157971	25.34	ng/ul	84
17) Pyrene	19.52	202	2421312	30.80	ng/ul#	88
18) Benzo(a)anthracene	21.25	228	1302045	18.31	ng/ul#	83
19) Chrysene	21.30	228	1756531	23.82	ng/ul	98
21) Benzo(b)fluoranthene	22.95	252	2617847	35.70	ng/ul	88
22) Benzo(k)fluoranthene	22.99	252	984157m	12.64	ng/ul	
23) Benzo(a)pyrene	23.57	252	1154894m	16.66	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.20	276	944396m	11.76	ng/ul	
25) Dibenzo(a,h)anthracene	26.22	278	255047m	3.77	ng/ul	
26) Benzo(g,h,i)perylene	26.99	276	750156	10.90	ng/ul	97

SJ
06/21/17

SJ
06/21/17

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