

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Quantitation Report (QT Reviewed)

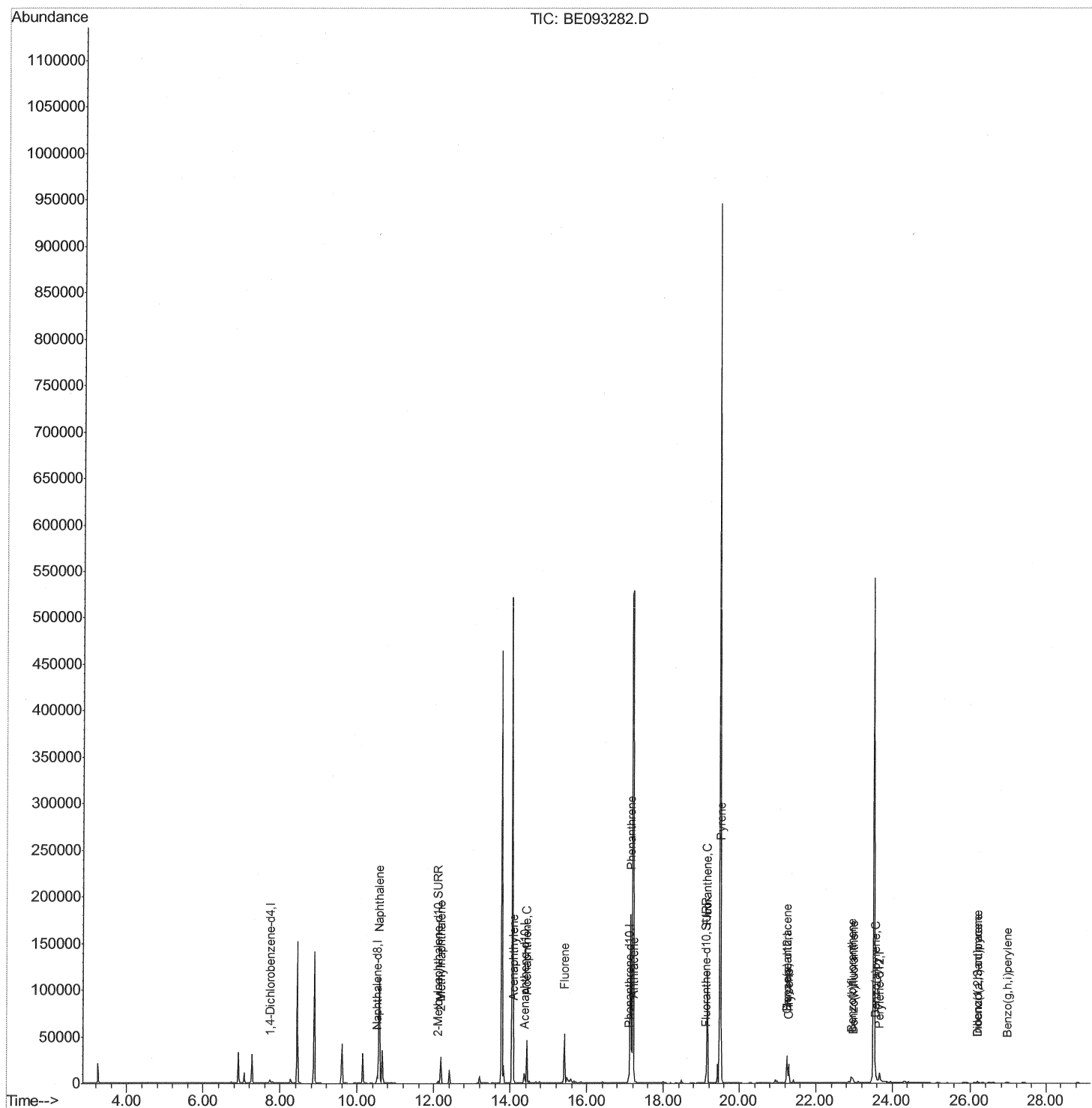
Data File : BE093282.D
Acq On : 20 Jun 2017 15:29
Operator : SJ/JU
Sample : I3625-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM

Quant Time: Jun 21 02:20:23 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 01:49:50 2017
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Quantitation Report (Qedit)

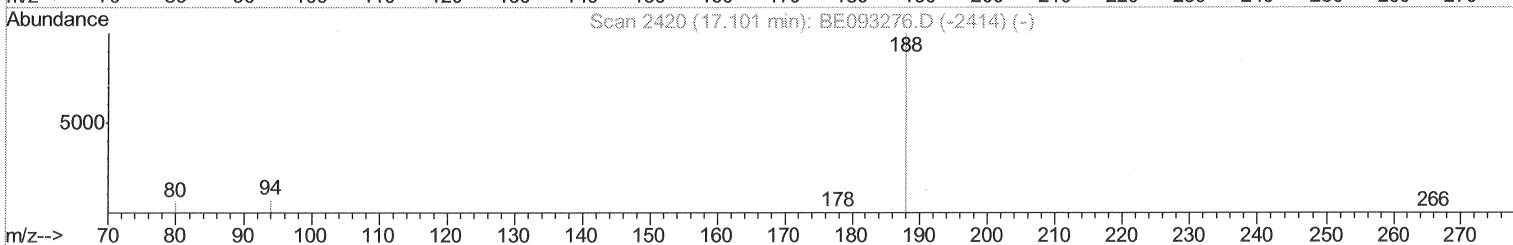
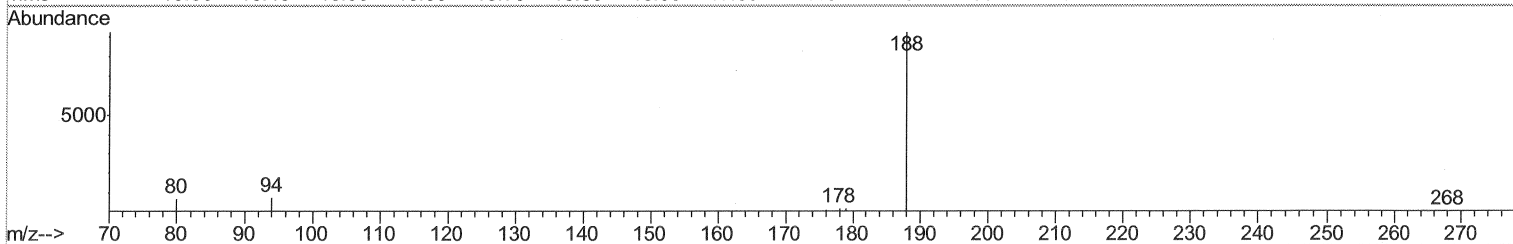
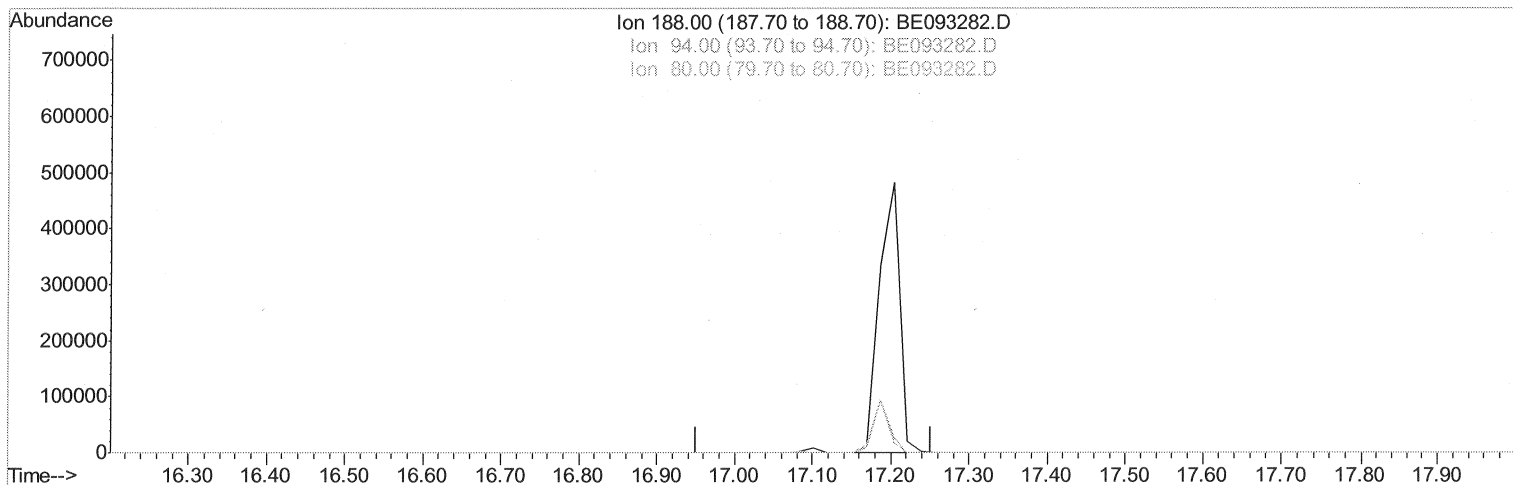
Data File : BE093282.D
Acq On : 20 Jun 2017 15:29
Operator : SJ/JU
Sample : I3625-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM

Quant Time: Jun 21 01:50:39 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 01:49:50 2017
Response via : Initial Calibration



TIC: BE093282.D

(10) Phenanthrene-d10 (I)

17.101min (-17.101) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	11.00	0.00#
80.00	11.80	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 01:50:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

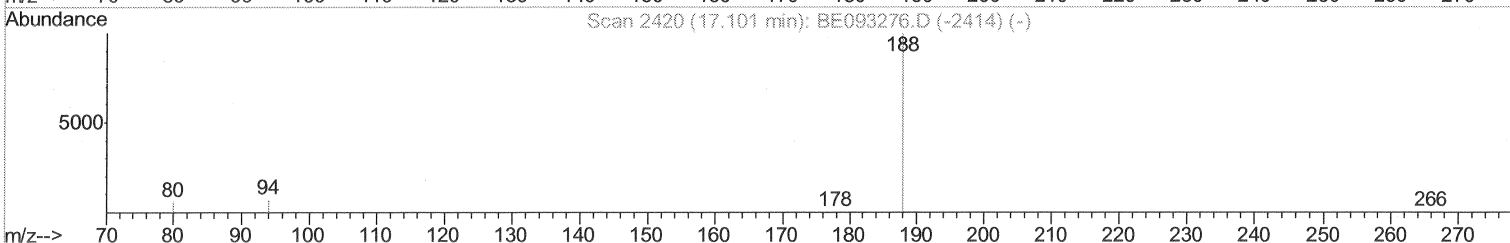
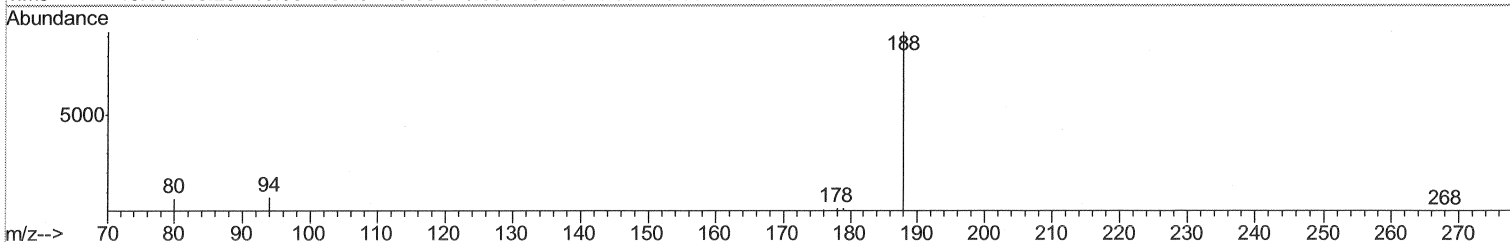
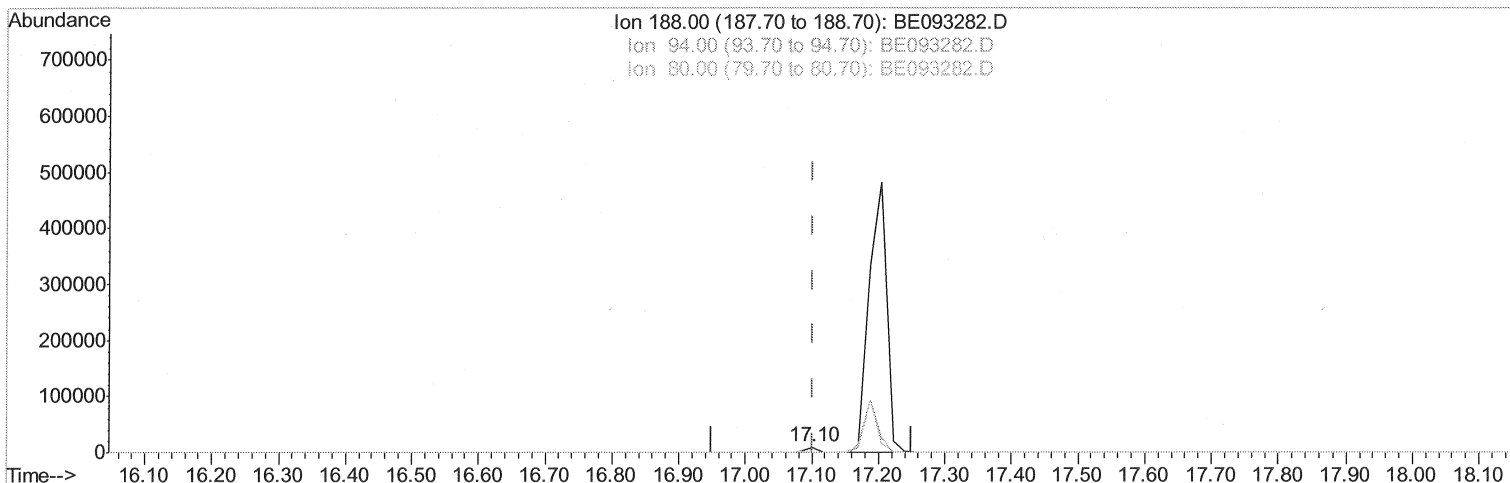
BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

(10) Phenanthrene-d10 (I)

17.101min (-0.001) 0.40ng/ul m

response 13404

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.12#
80.00	11.80	7.36#
0.00	0.00	0.00

SJ 6/26/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Quantitation Report (Qedit)

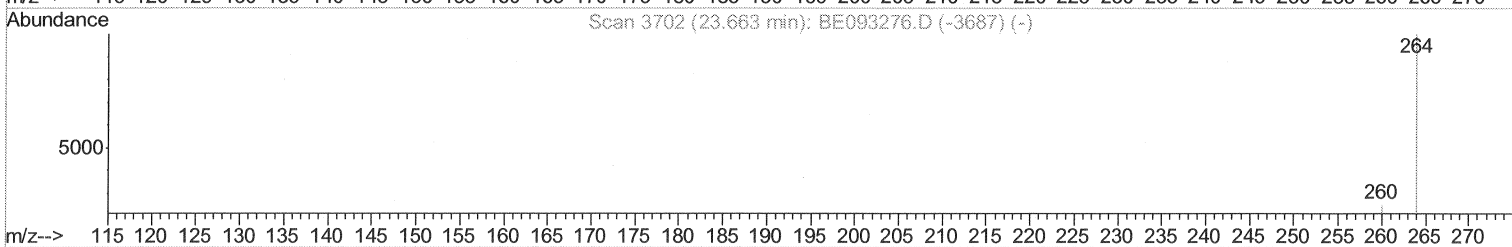
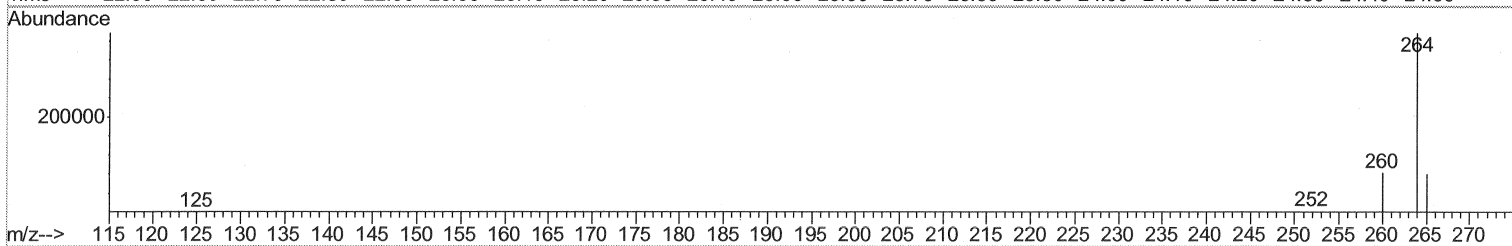
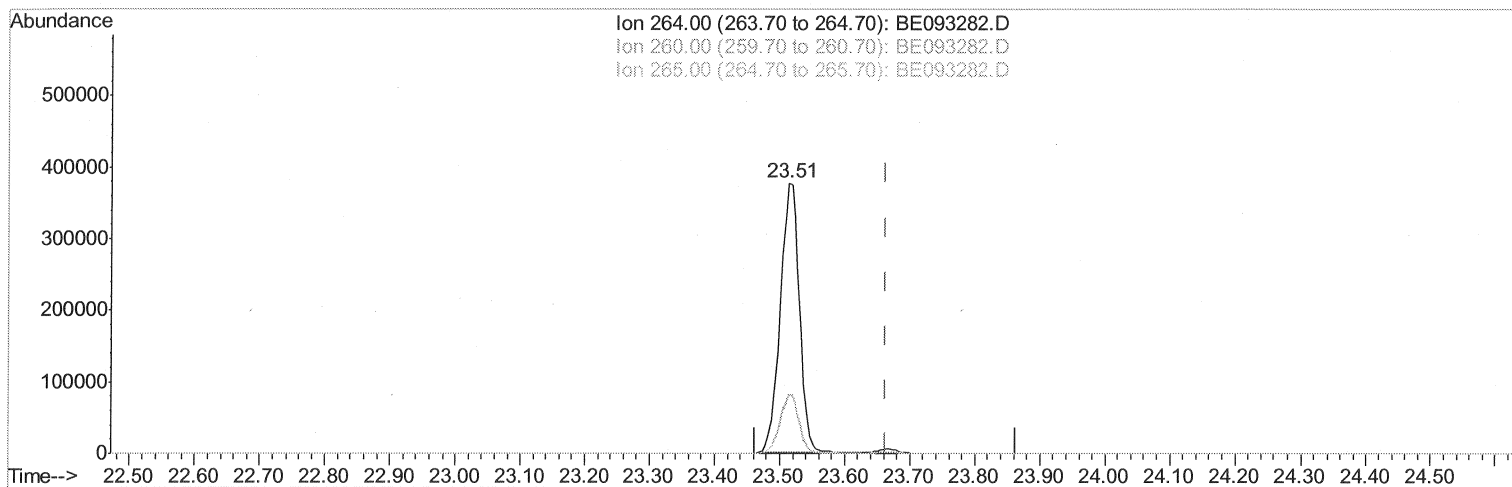
Data File : BE093282.D
Acq On : 20 Jun 2017 15:29
Operator : SJ/JU
Sample : I3625-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM

Quant Time: Jun 21 01:50:39 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 01:49:50 2017
Response via : Initial Calibration



TIC: BE093282.D

(20) Perylene-d12 (I)

23.514min (-0.150) 0.40ng/ul

response 771449

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.95#
265.00	103.50	21.28#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 01:50:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

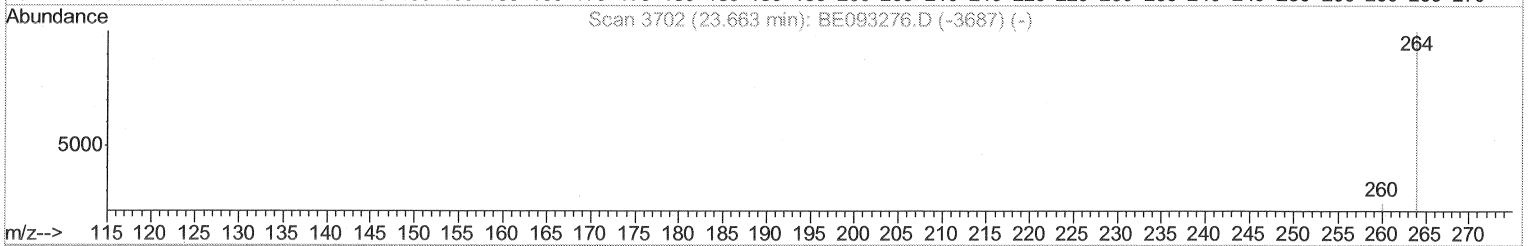
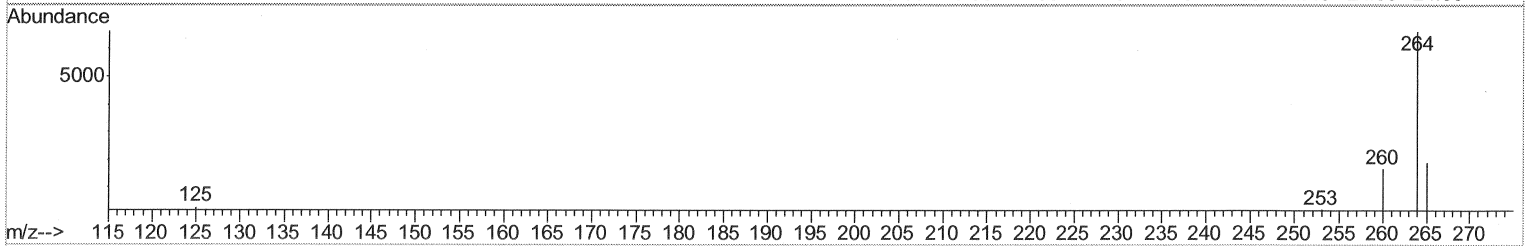
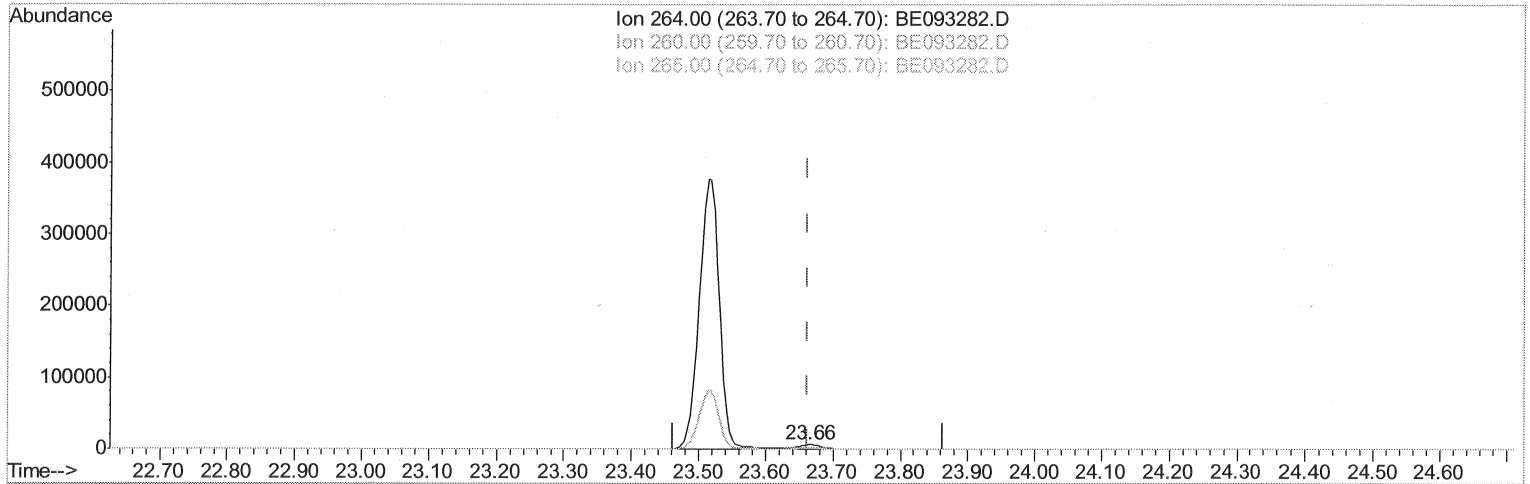
BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

(20) Perylene-d12 (I)

23.664min (+0.001) 0.40ng/ul m

response 11324

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	25.25
265.00	103.50	28.37#
0.00	0.00	0.00

SJ
6/26/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 02:18:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

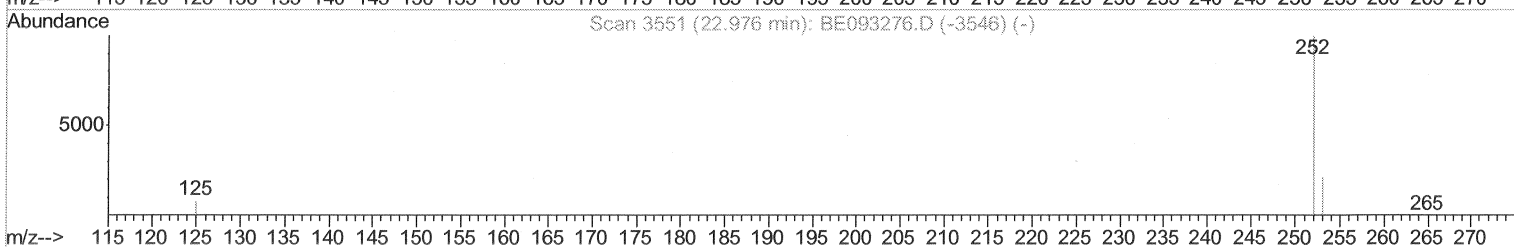
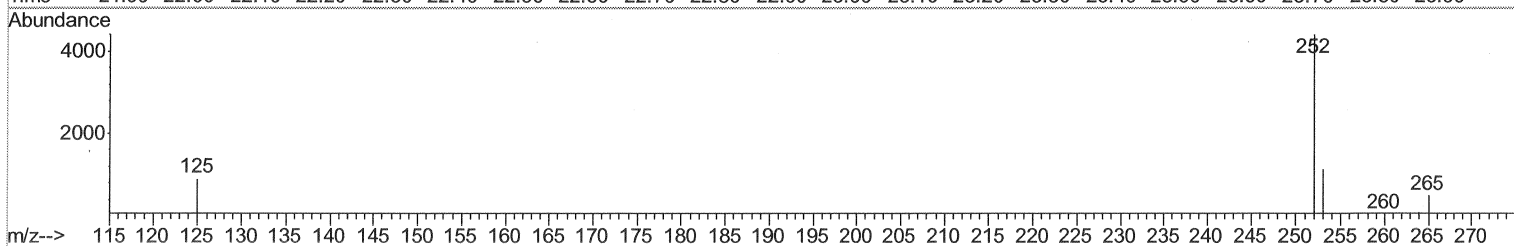
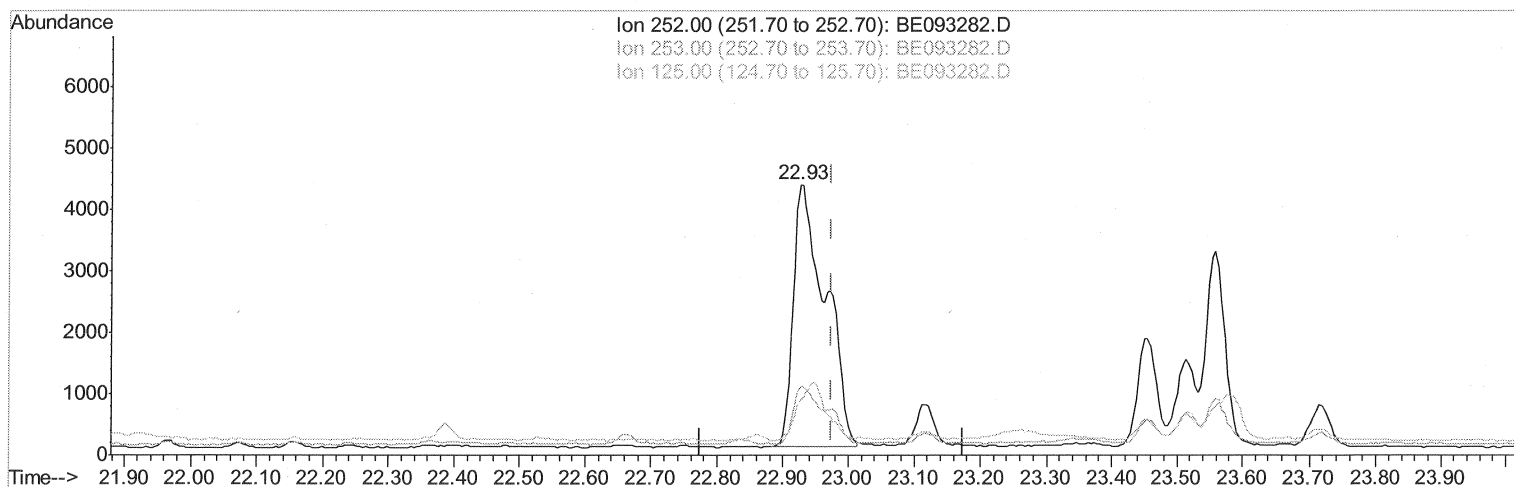
BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

(22) Benzo(k)fluoranthene

22.926min (-0.049) 0.40ng/ul

response 14671

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.52
125.00	17.10	20.55#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM

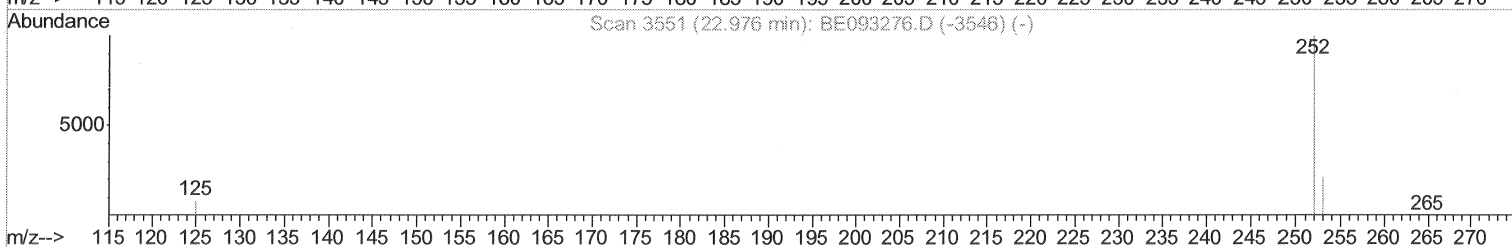
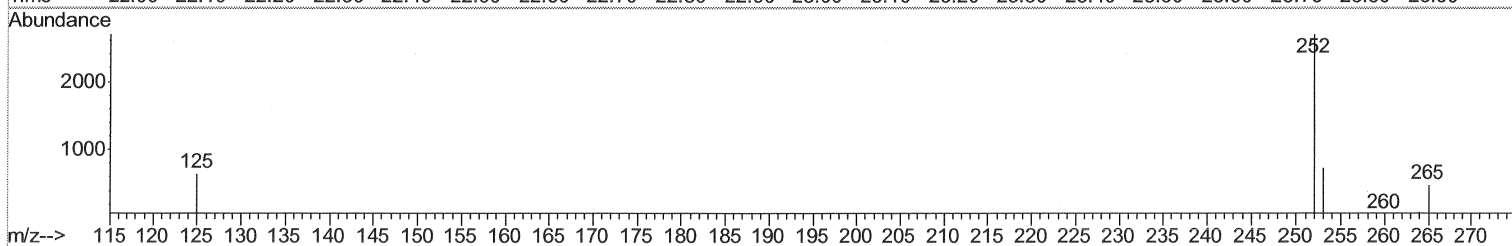
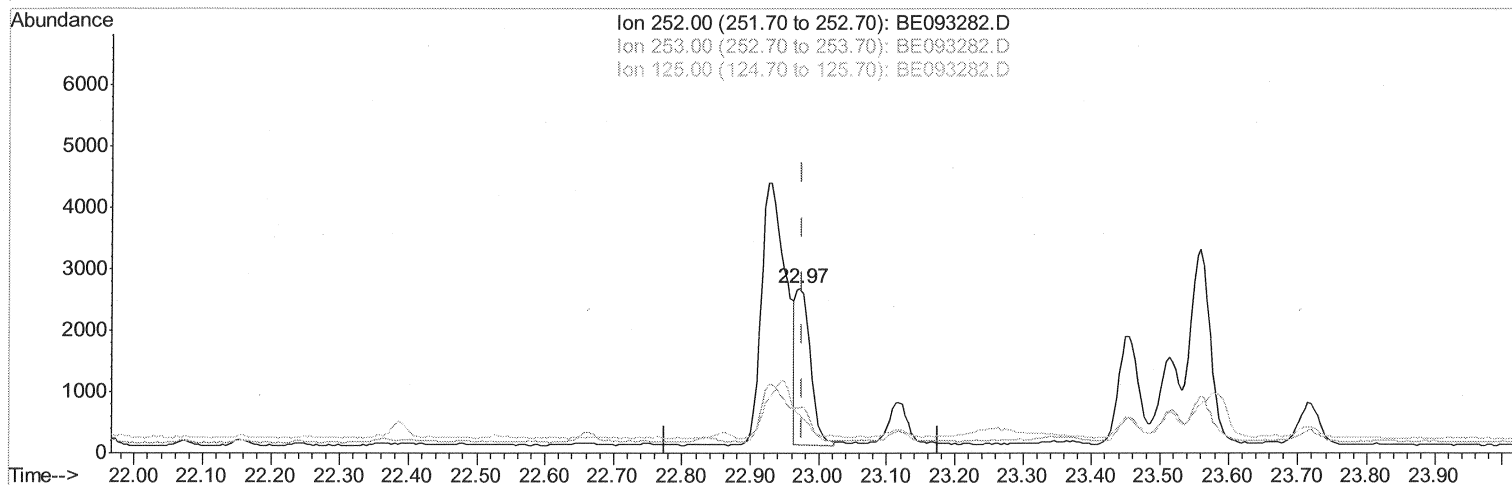
Quant Time: Jun 21 02:18:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration



TIC: BE093282.D

(22) Benzo(k)fluoranthene

22.972min (-0.004) 0.10ng/ul m

response 3784

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	27.41
125.00	17.10	24.03#
0.00	0.00	0.00

SJ
6/26/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 02:18:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

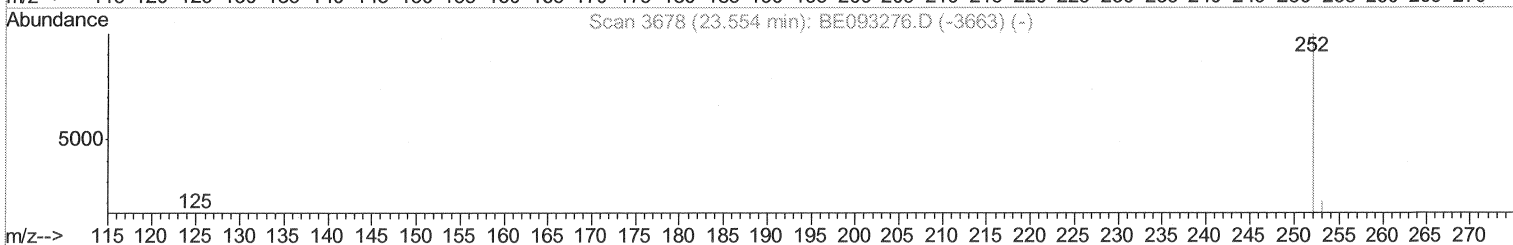
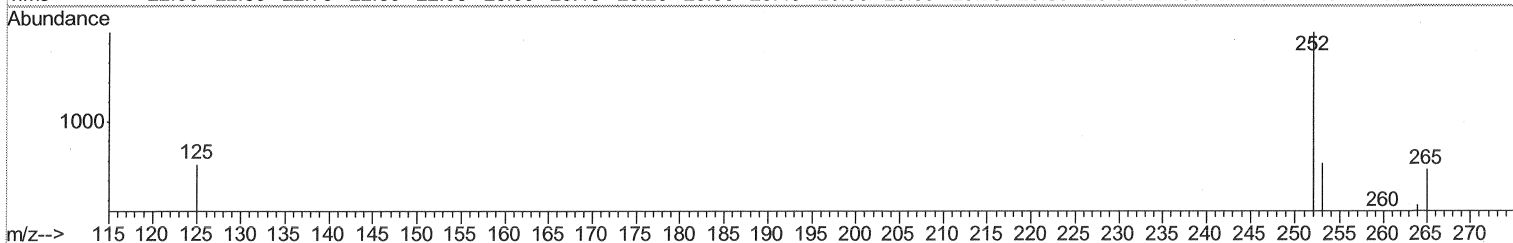
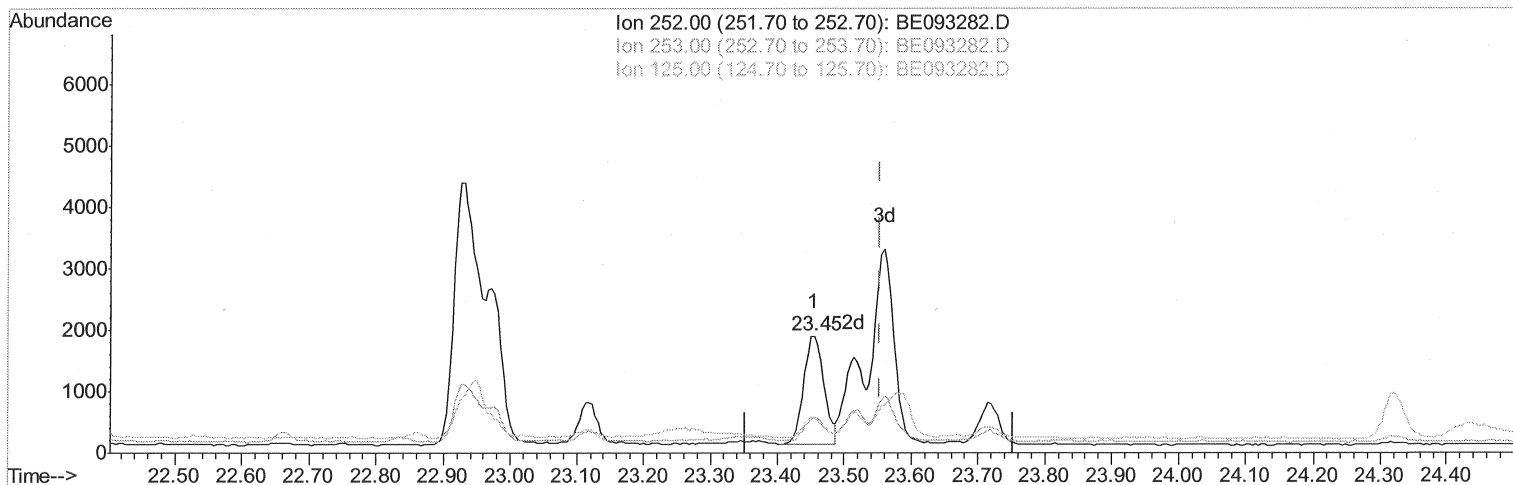
BNA_E

ClientSampled :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

(23) Benzo(a)pyrene (C)

23.455min (-0.099) 0.11ng/ul

response 3716

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	30.31
125.00	22.60	29.48#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 02:18:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

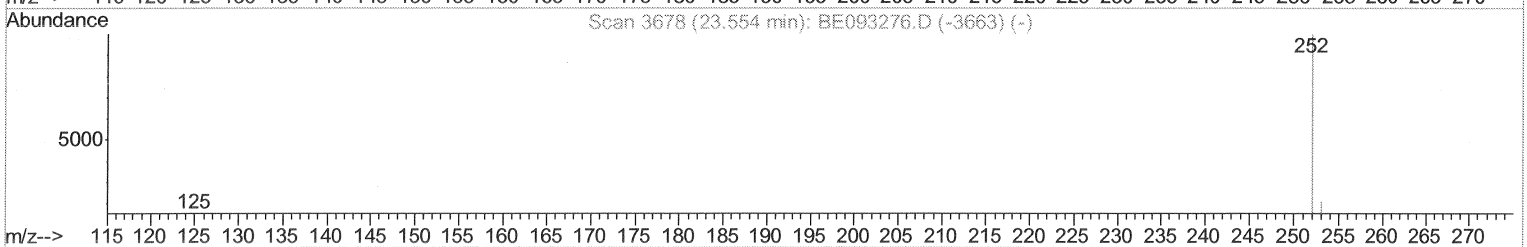
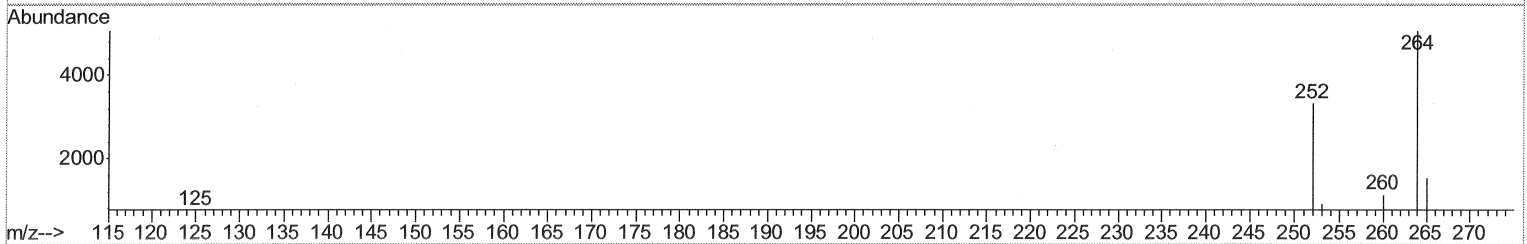
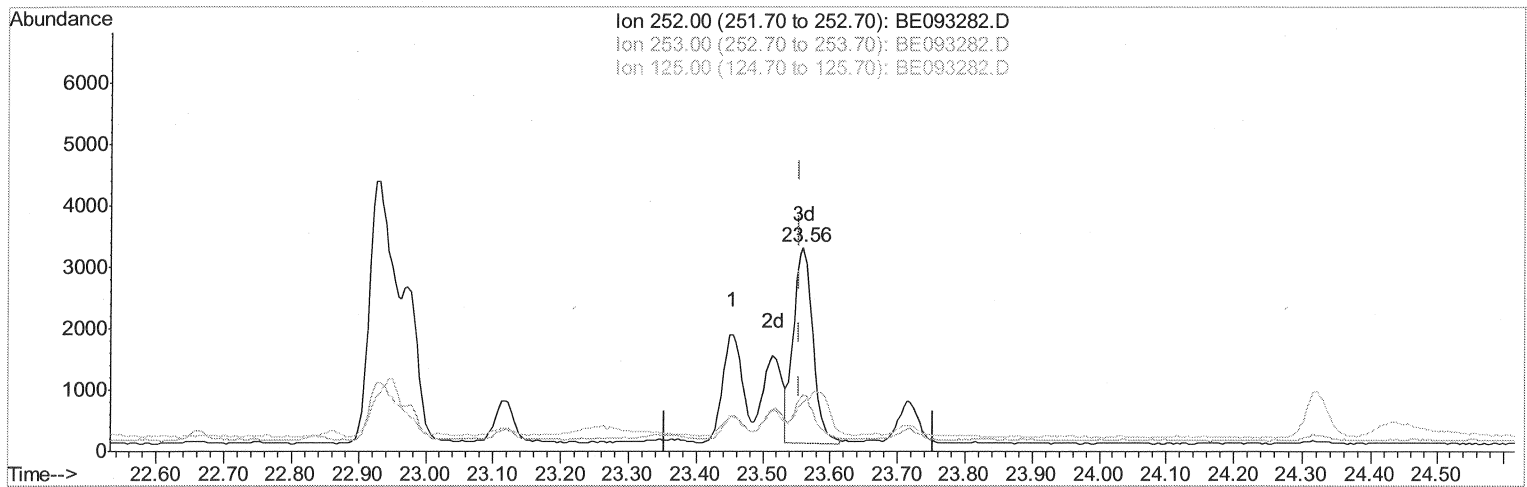
BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

(23) Benzo(a)pyrene (C)

23.559min (+0.005) 0.20ng/ul m

response 6425

Ion Exp% Act%

252.00 100 100

253.00 35.60 27.44#

125.00 22.60 23.42

0.00 0.00 0.00

SJ
6/26/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 02:18:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

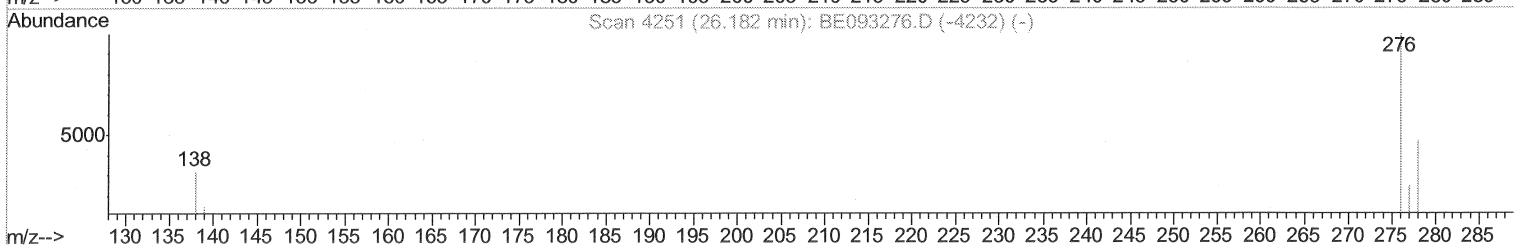
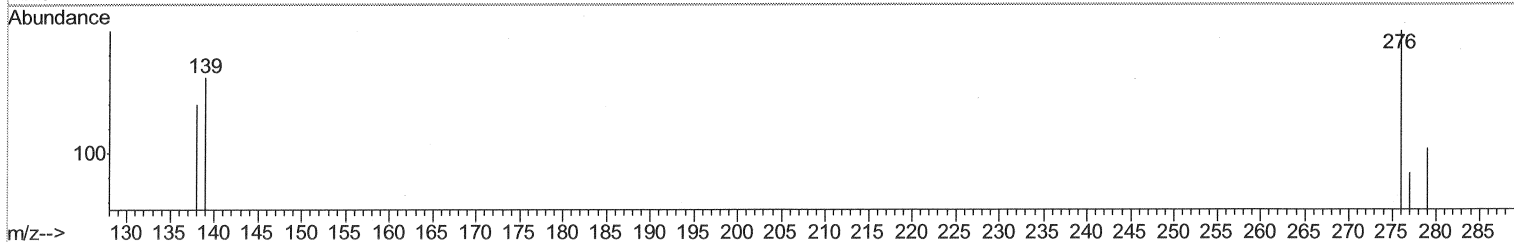
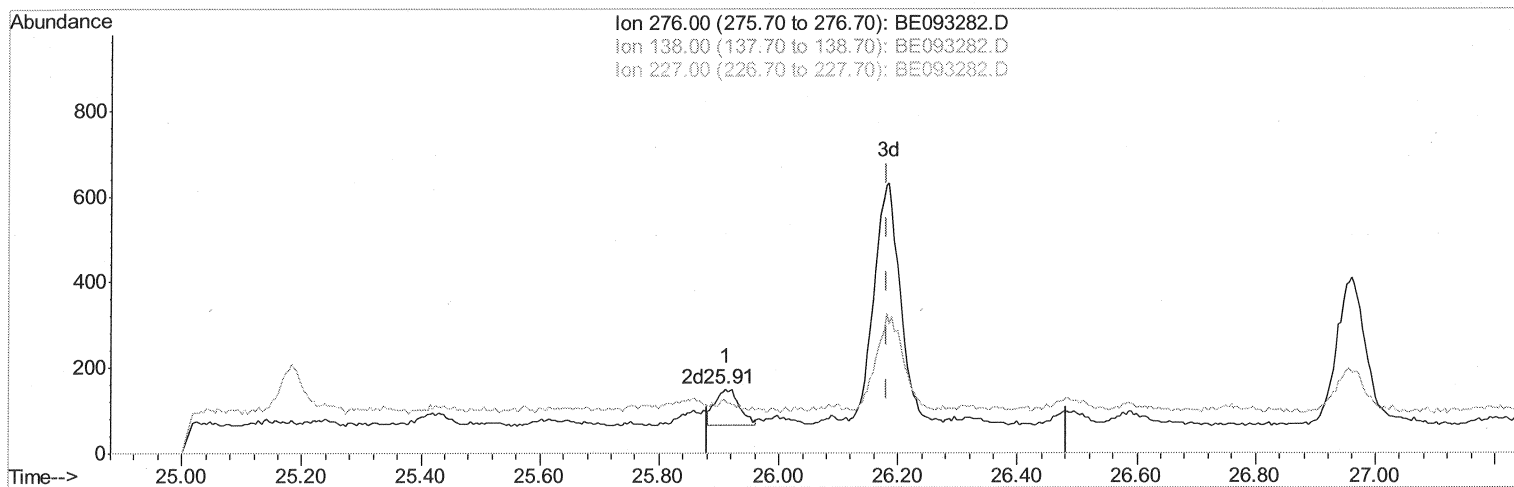
BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

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

25.912min (-0.270) 0.01ng/ul

response 236

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	17.37#
227.00	10.00	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 21 02:18:39 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

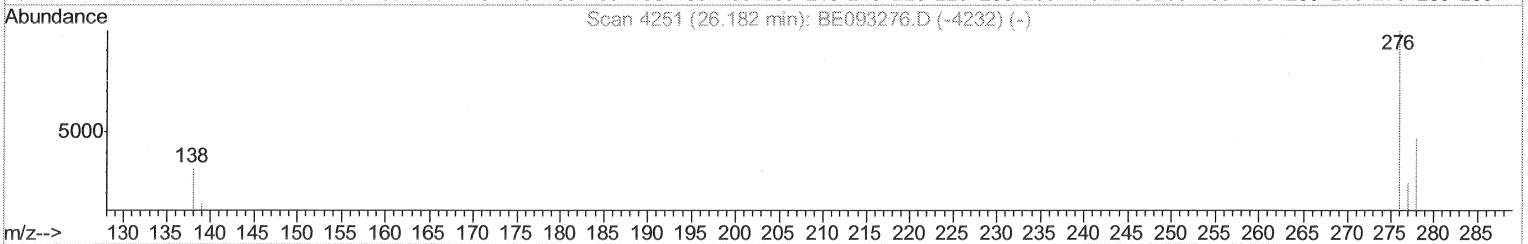
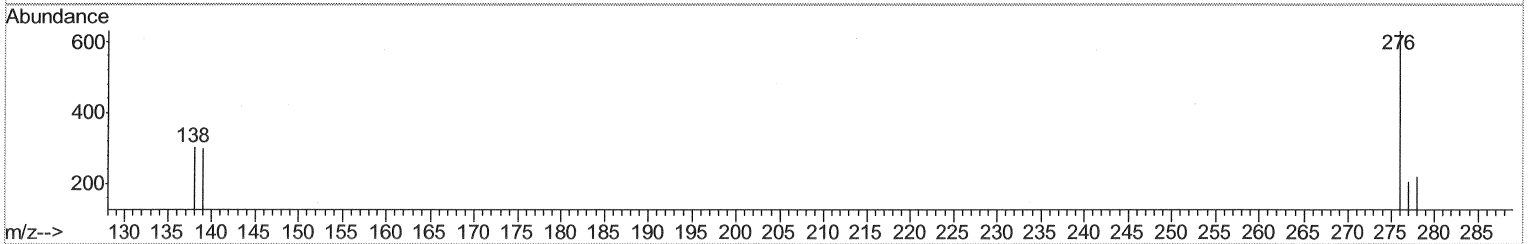
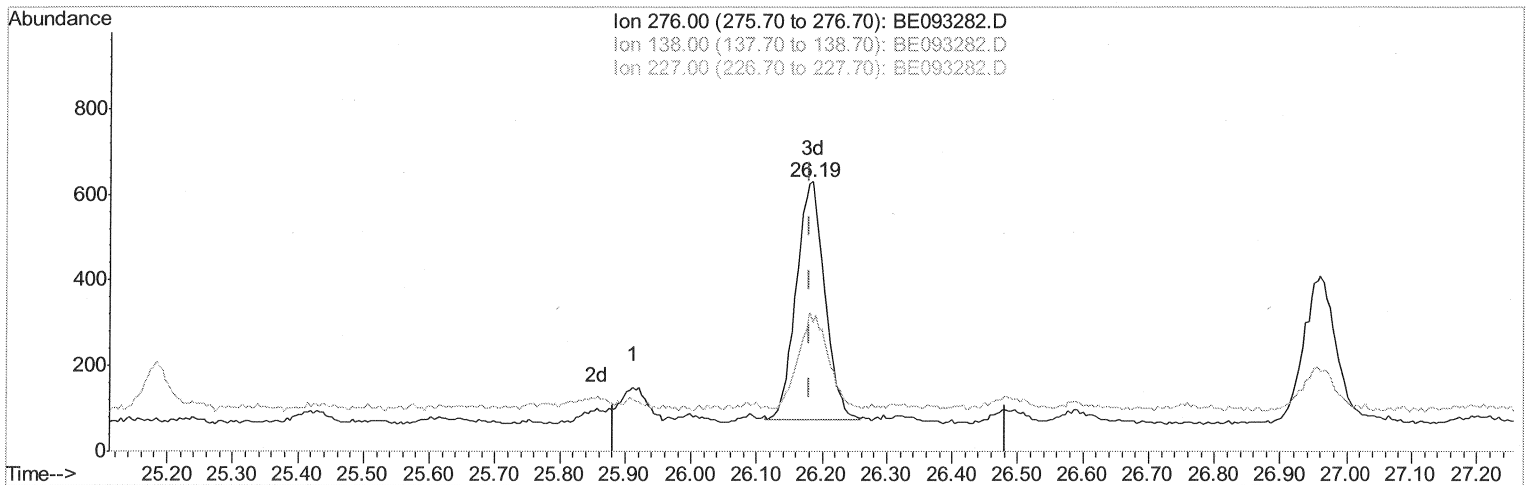
BNA_E

ClientSampled :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM



TIC: BE093282.D

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

26.185min (+0.003) 0.04ng/ul m

response 1672

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	2.45#
227.00	10.00	0.00#
0.00	0.00	0.00

SJ
6/26/17

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM

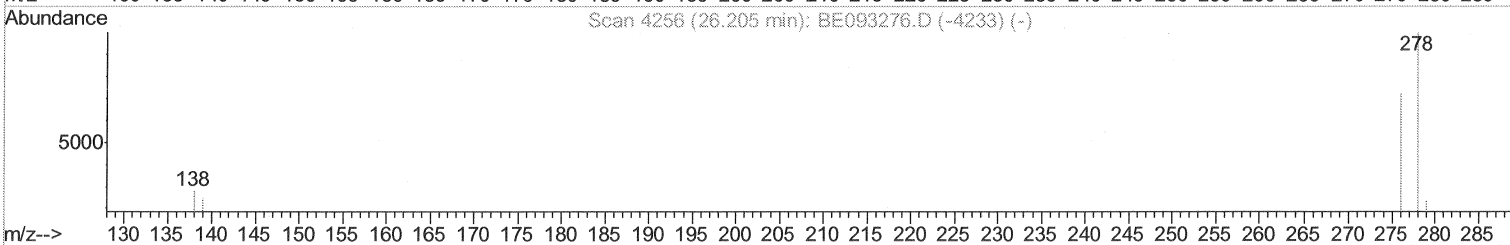
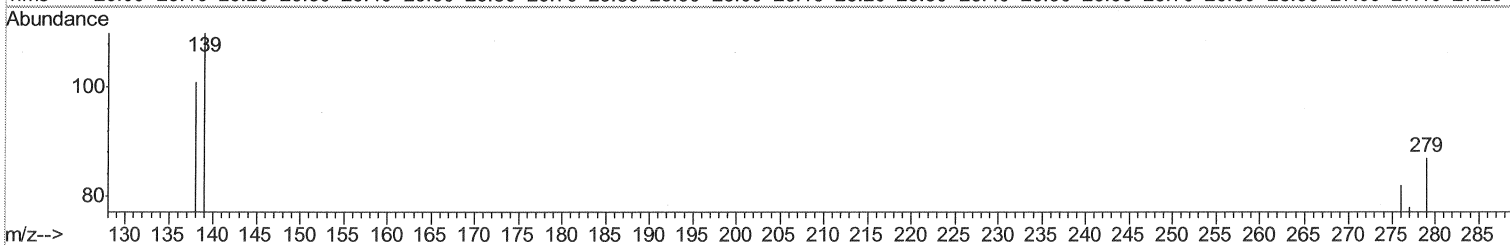
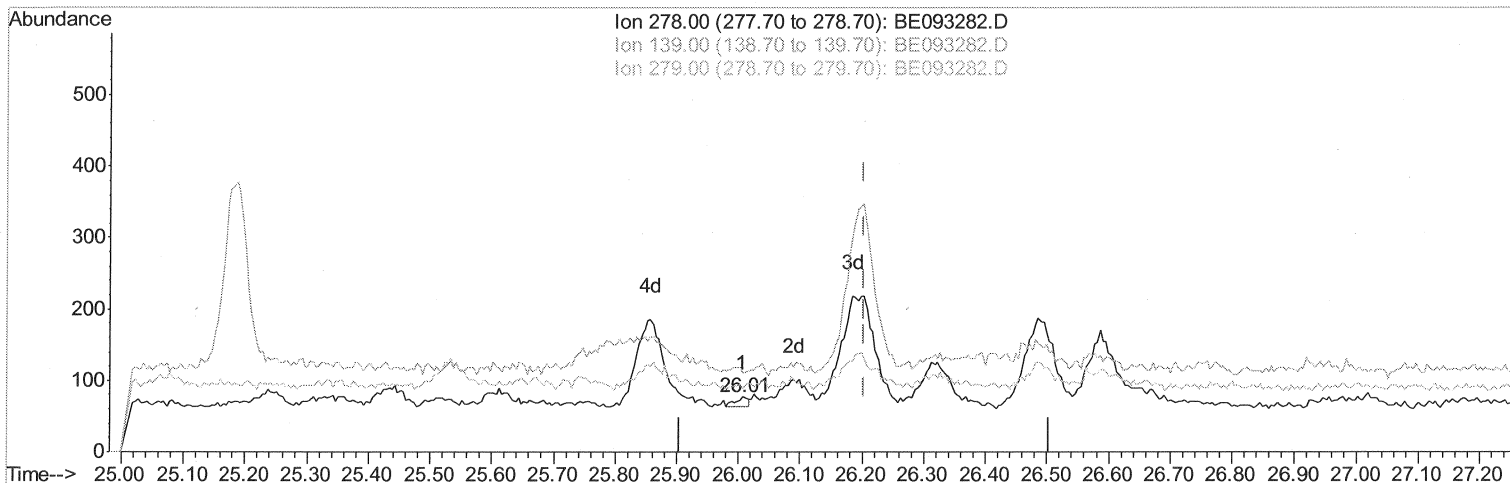
Quant Time: Jun 21 02:19:41 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration



TIC: BE093282.D

(25) Dibenzo(a,h)anthracene

26.007min (-0.197) 0.00ng/ul

response 18

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	142.86#
279.00	32.40	112.99#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093282.D

Acq On : 20 Jun 2017 15:29

Operator : SJ/JU

Sample : I3625-05

Misc :

ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampled :

F5A86

Manual Integrations
APPROVED

mohammad

6/21/2017 12:18:15 PM

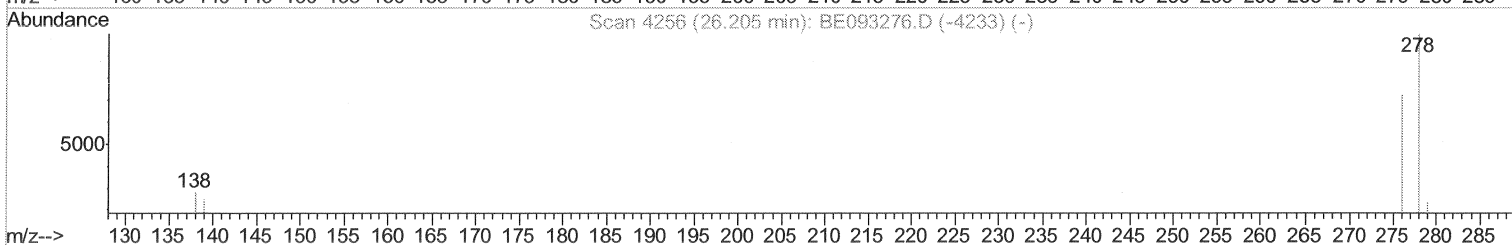
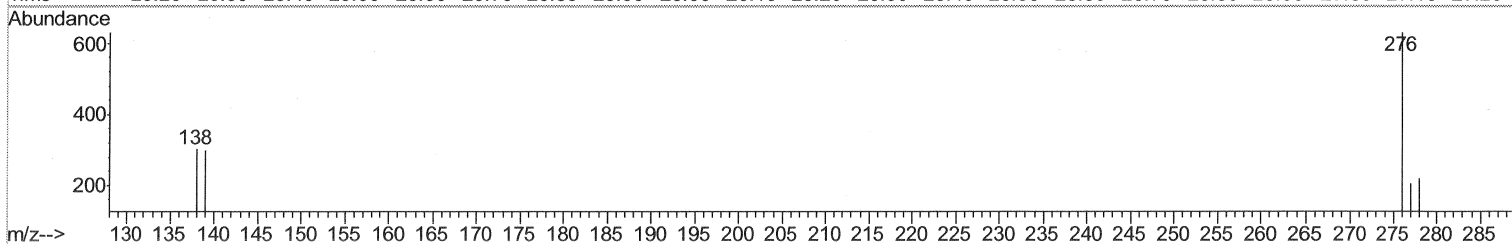
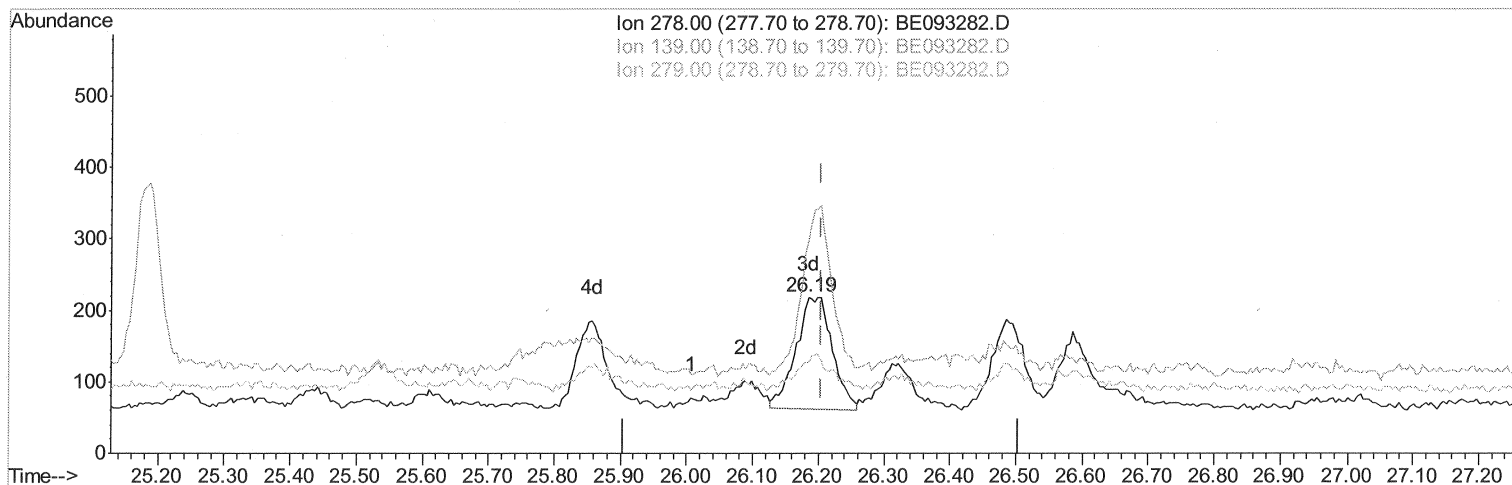
Quant Time: Jun 21 02:19:41 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration



TIC: BE093282.D

(25) Dibenzo(a,h)anthracene

26.185min (-0.019) 0.02ng/ul m

SJ 6/26/17

response 599

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	136.53#
279.00	32.40	57.99#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Quantitation Report (QT Reviewed)

Data File : BE093282.D
Acq On : 20 Jun 2017 15:29
Operator : SJ/JU
Sample : I3625-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A86

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:15 PM

Quant Time: Jun 21 02:20:23 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 01:49:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1746	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8839	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5671	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13404m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13849	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11324m	0.40	ng/ul	0.00

SJ
6/26/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	3830	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	10716	0.29	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	169792	7.74	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	23925	1.60	ng/ul	98
7) Acenaphthylene	14.09	152	2372	0.10	ng/ul#	94
8) Acenaphthene	14.42	153	26591	1.35	ng/ul	97
9) Fluorene	15.42	166	33832	1.47	ng/ul#	96
12) Phenanthrene	17.14	178	184936	5.01	ng/ul#	88
13) Anthracene	17.22	178	28255	0.88	ng/ul#	89
15) Fluoranthene	19.15	202	126915	2.81	ng/ul	84
17) Pyrene	19.51	202	91673	2.24	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	23200	0.63	ng/ul#	85
19) Chrysene	21.30	228	19361	0.51	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	10904	0.32	ng/ul	90
22) Benzo(k)fluoranthene	22.97	252	3784m	0.10	ng/ul	
23) Benzo(a)pyrene	23.56	252	6425m	0.20	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	1672m	0.04	ng/ul	
25) Dibenzo(a,h)anthracene	26.19	278	599m	0.02	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	1189	0.04	ng/ul#	72

SJ
6/26/17

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