

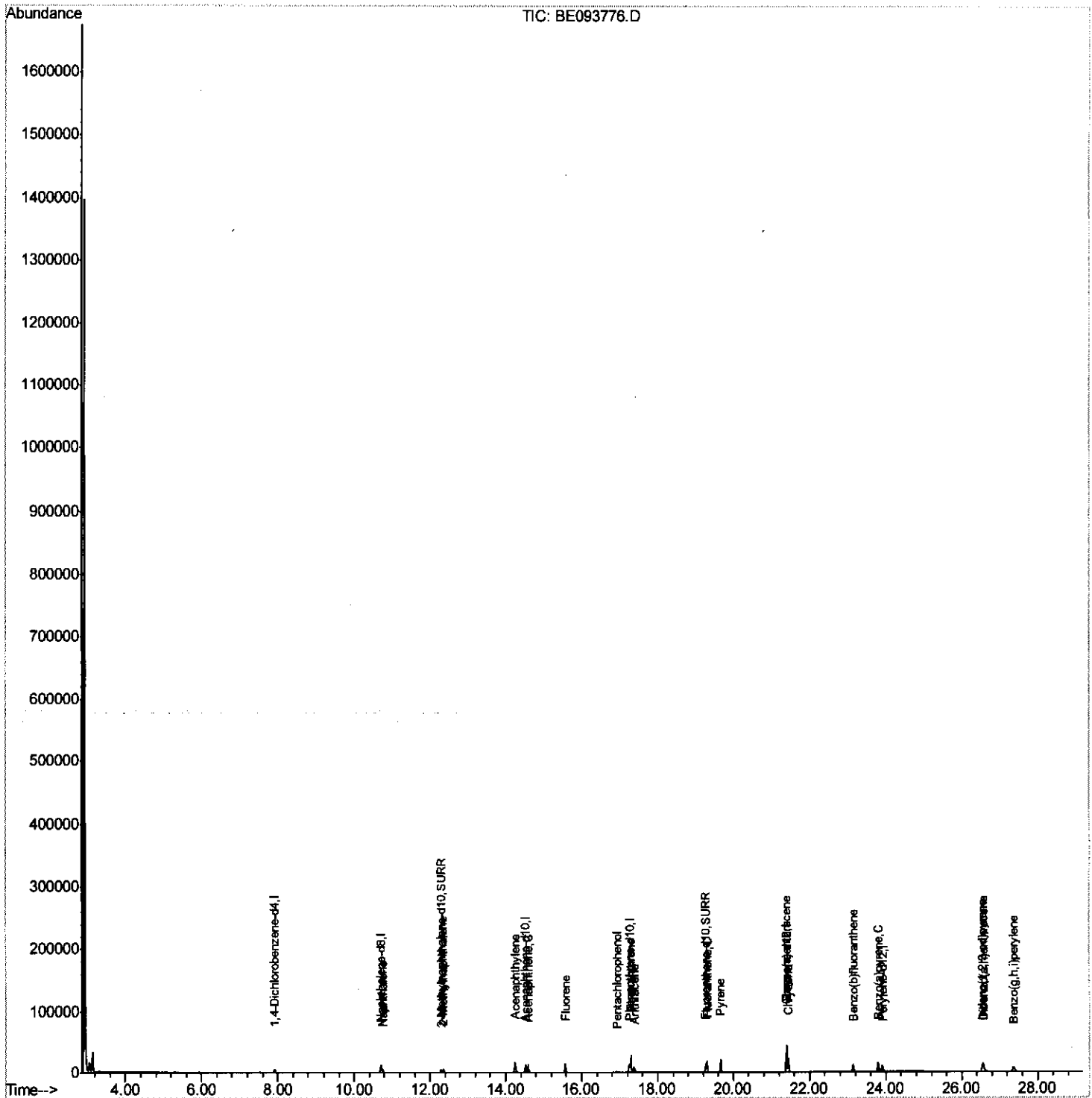
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:35:03 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

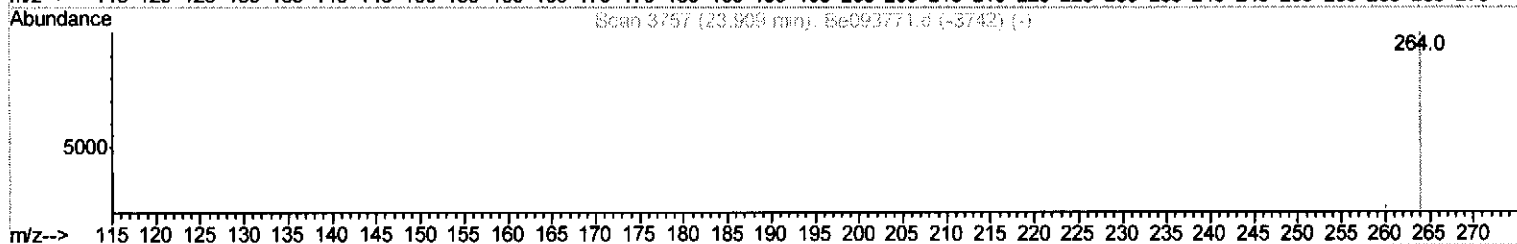
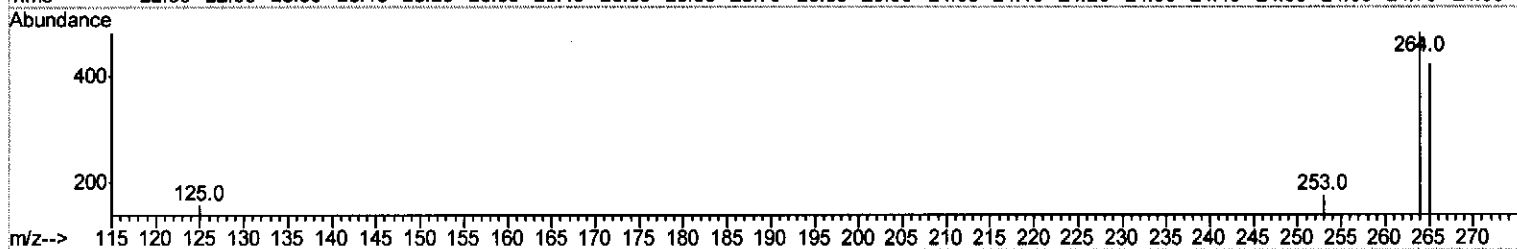
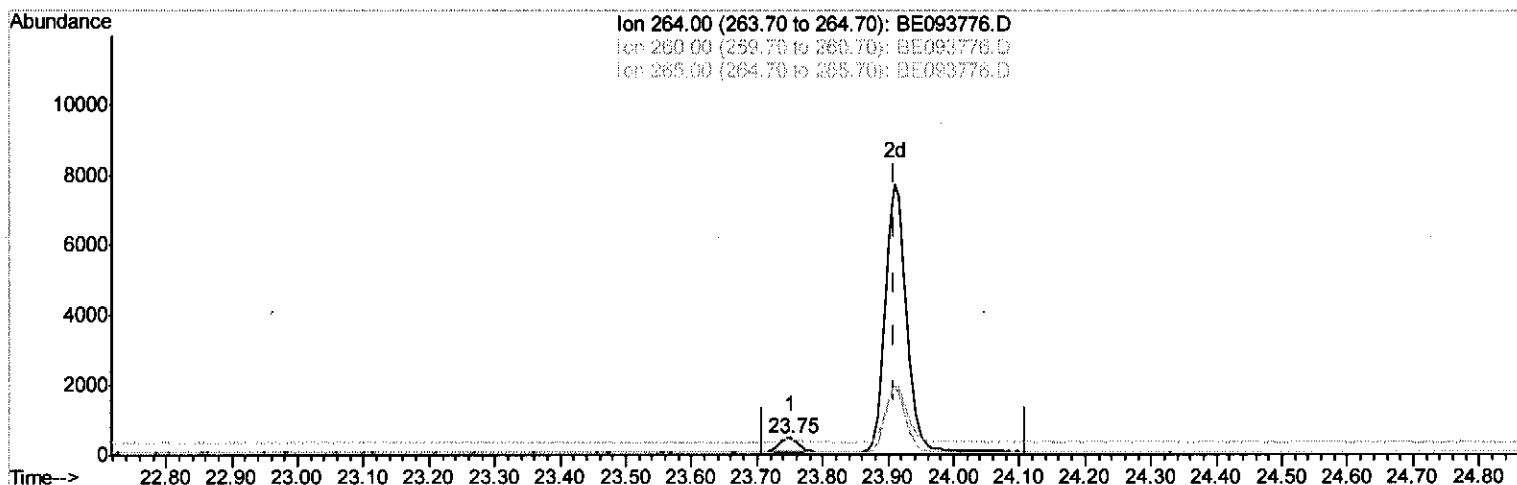
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:02:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

(20) Perylene-d12 (I)

23.751min (-0.158) 0.40ng/ul

response 862

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.05
265.00	103.50	87.55
0.00	0.00	0.00

Quantitation Report (Qedit)

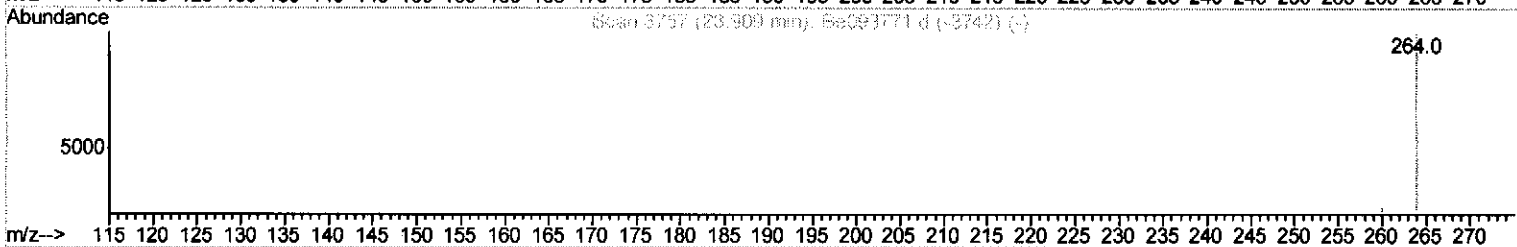
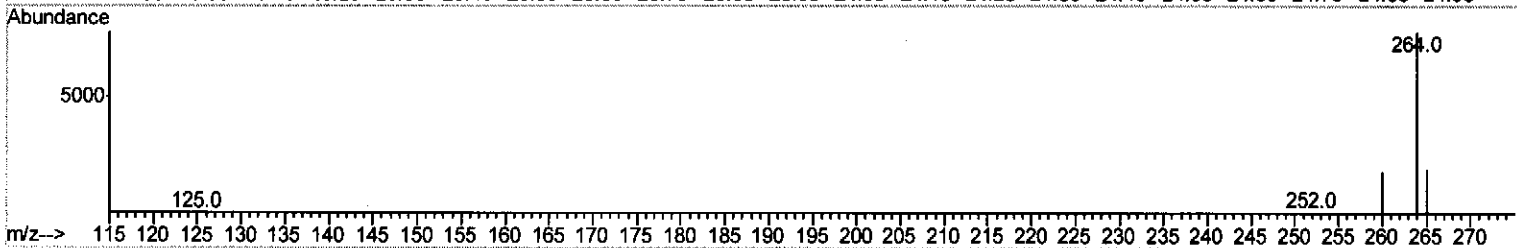
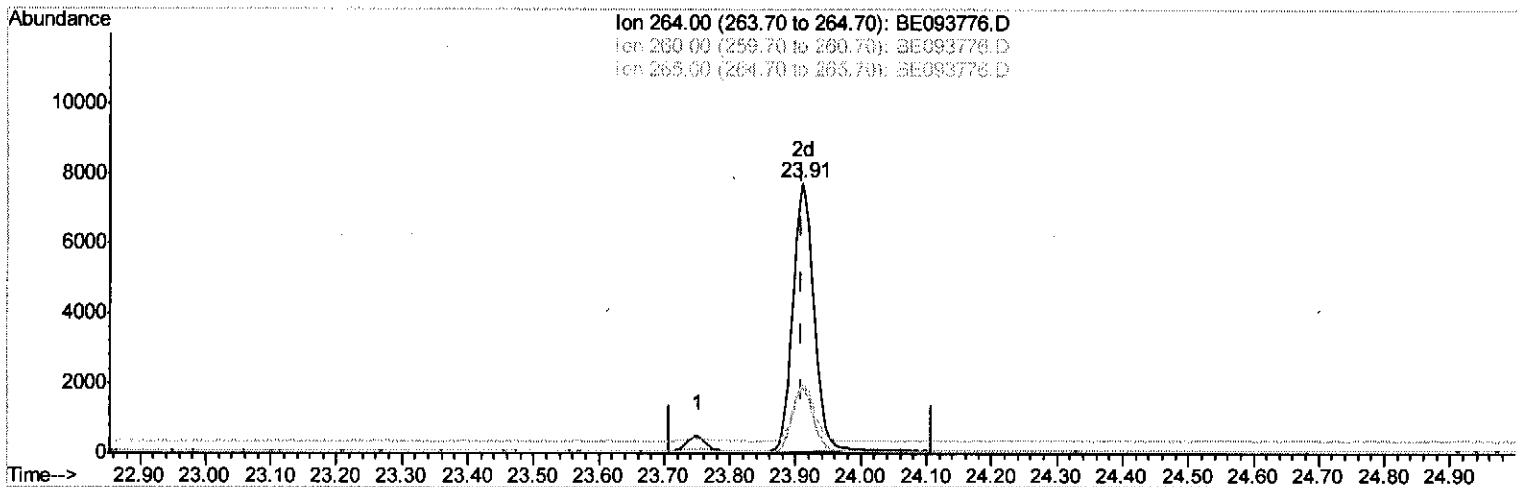
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:02:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

(20) Perylene-d12 (I)

23.910min (+0.001) 0.40ng/ul m

response 17237

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.43
265.00	103.50	25.66#
0.00	0.00	0.00

Quantitation Report (Qedit)

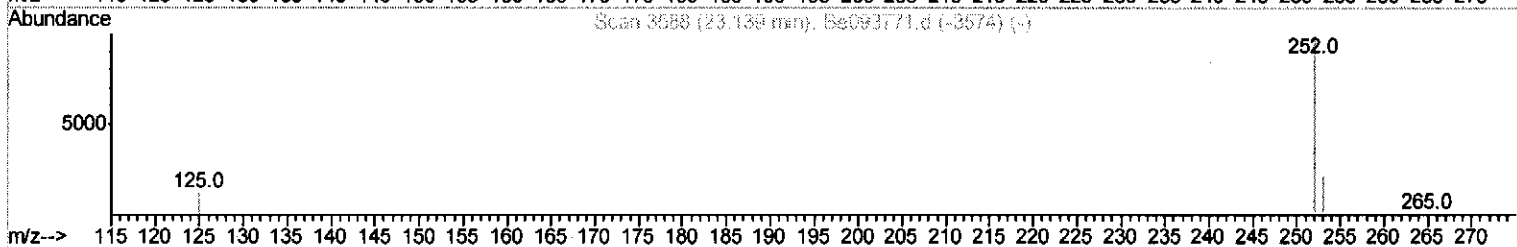
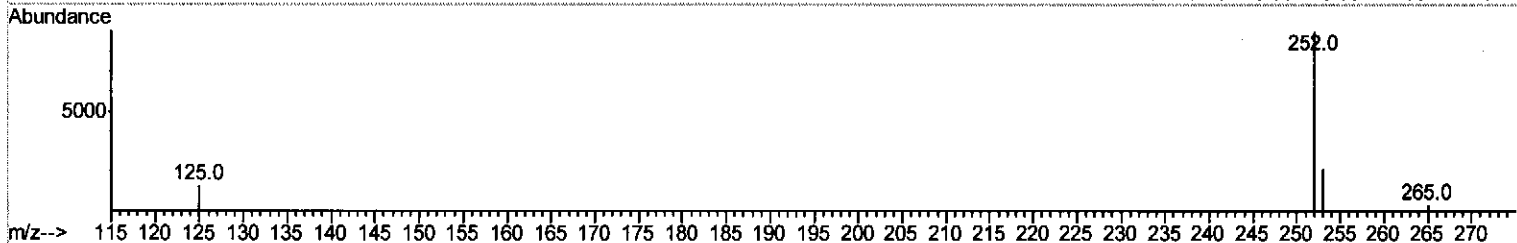
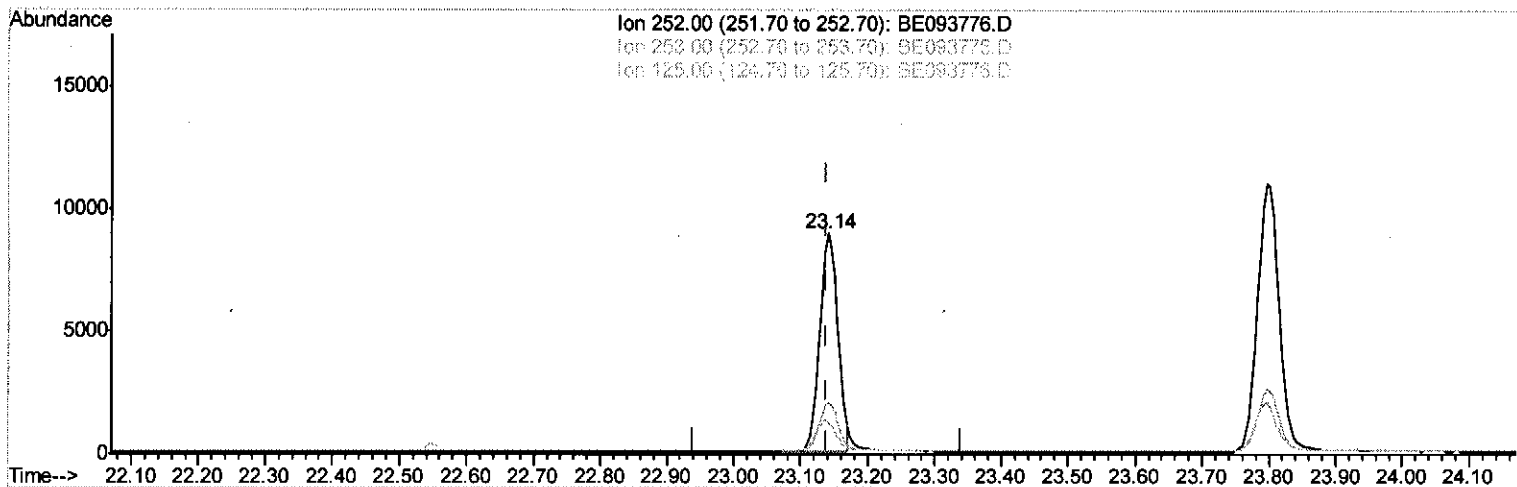
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:28:39 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

(21) Benzo(b)fluoranthene

23.141min (+0.001) 0.31ng/ul

response 16408

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.74
125.00	17.50	14.44
0.00	0.00	0.00

Quantitation Report (Qedit)

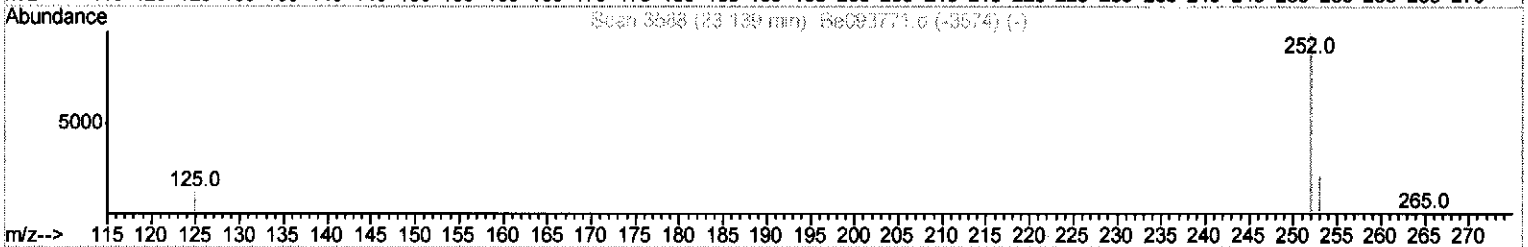
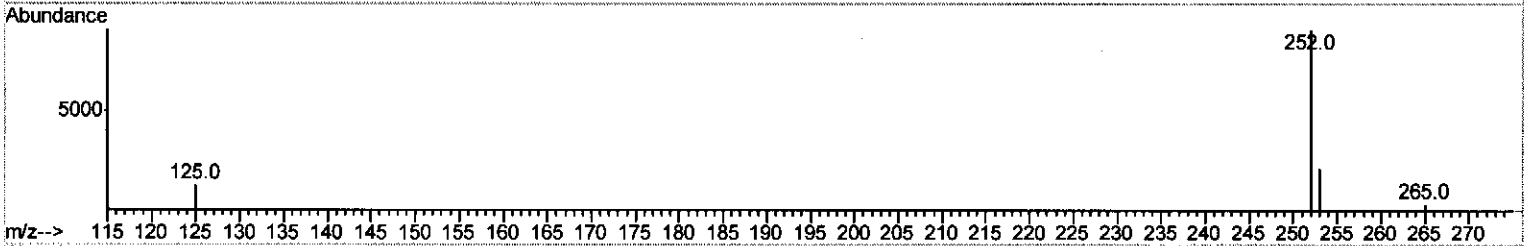
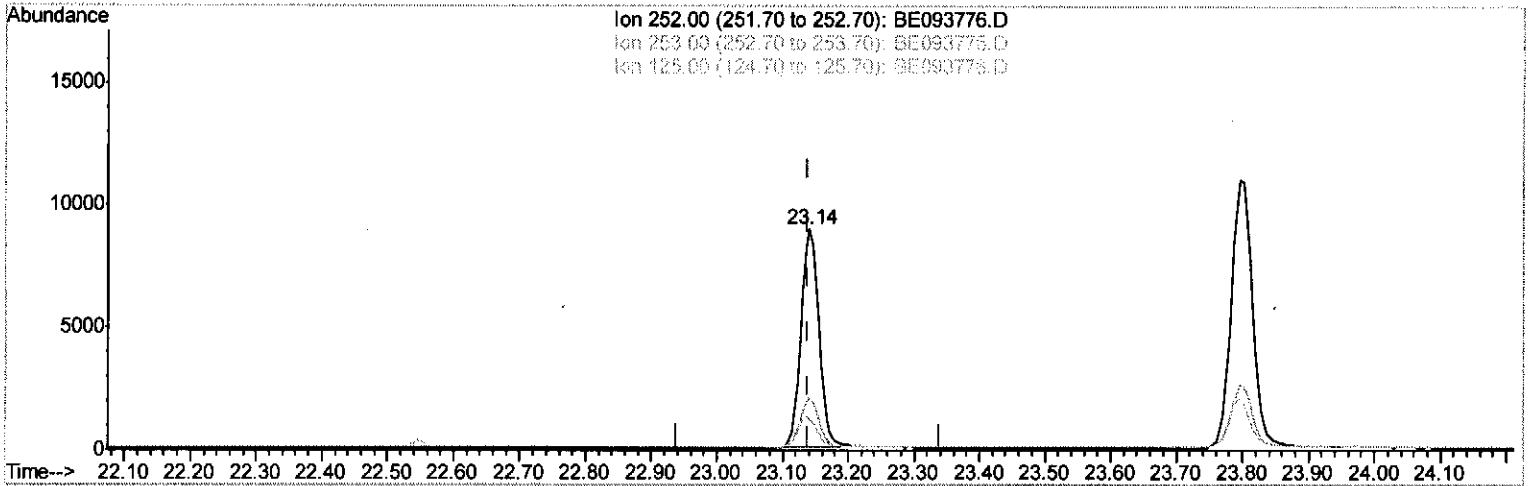
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
 Data File : BE093776.D
 Acq On : 11 Aug 2017 18:58
 Operator : SJ/JU
 Sample : I4489-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X2A53

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:28:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 12 02:01:53 2017
 Response via : Initial Calibration



TIC: BE093776.D

(21) Benzo(b)fluoranthene

23.141min (+0.001) 0.32ng/ul m

response 16847

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.74
125.00	17.50	14.44
0.00	0.00	0.00

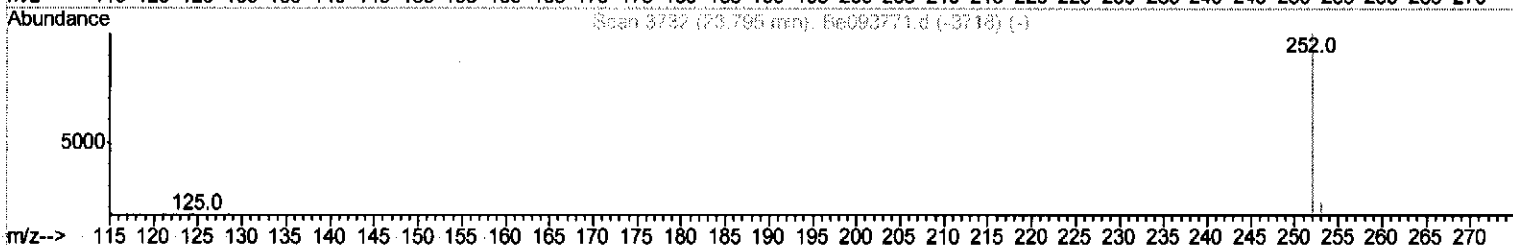
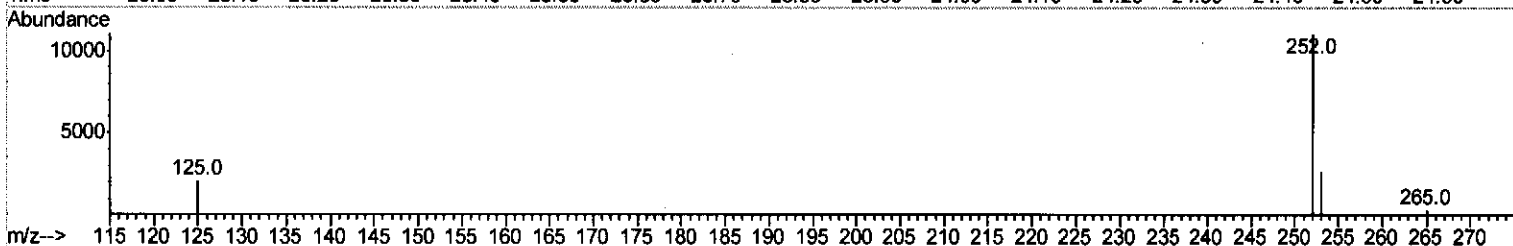
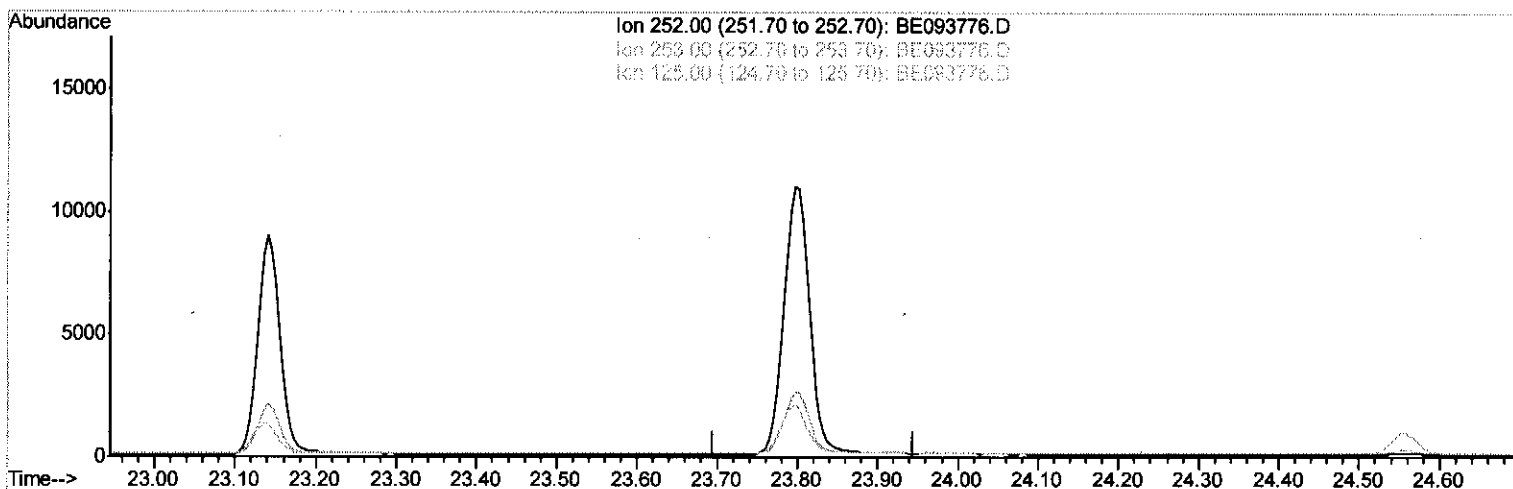
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

(23) Benzo(a)pyrene (C)

23.795min (-23.795) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

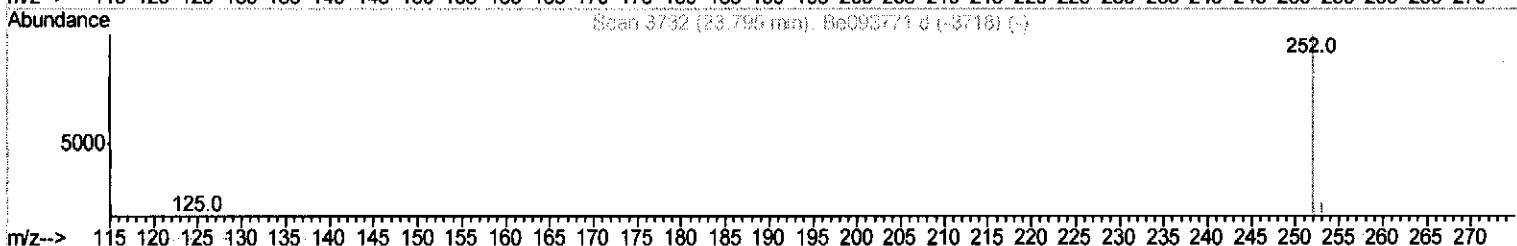
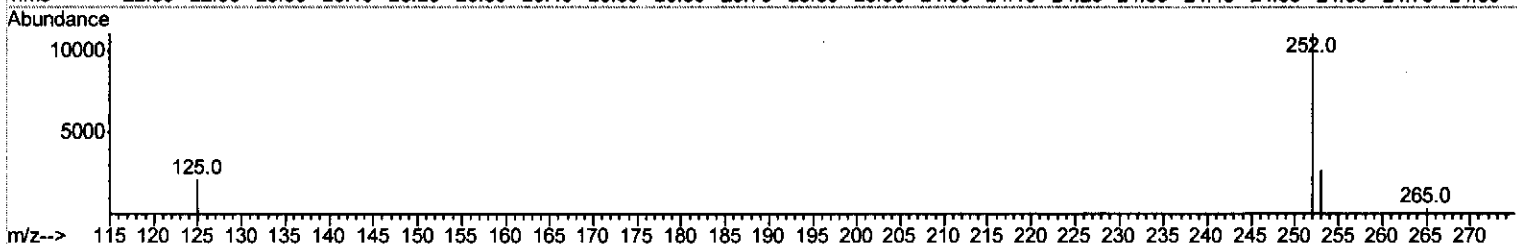
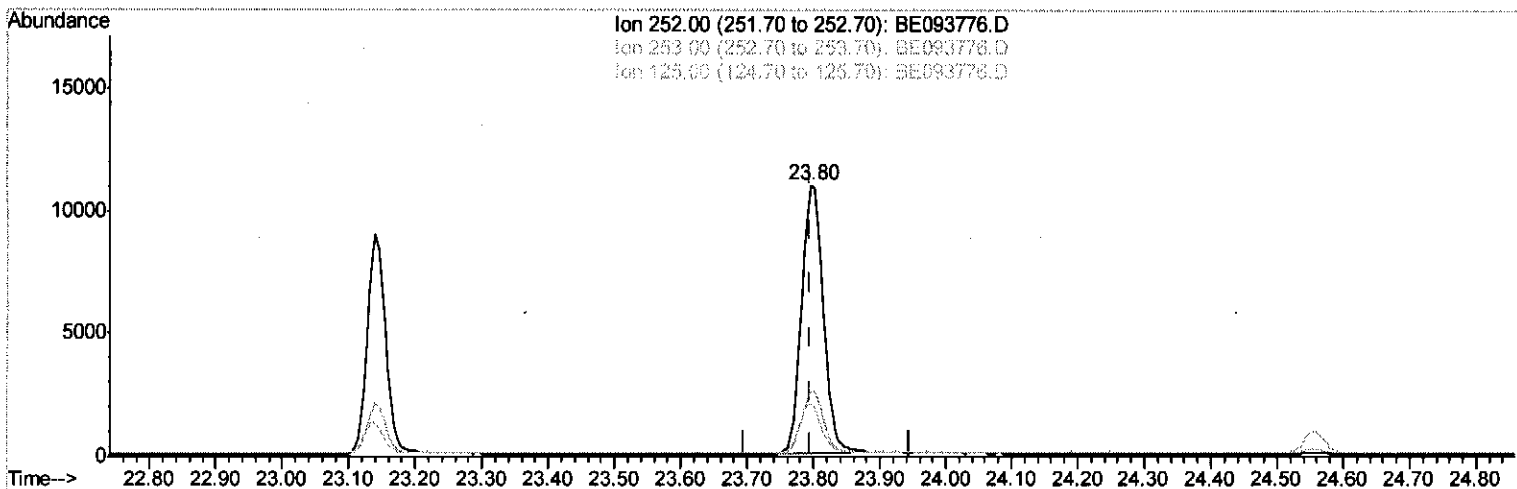
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

(23) Benzo(a)pyrene (C)

23.797min (+0.001) 0.48ng/ul m

response 24272

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.15#
125.00	22.60	19.23
0.00	0.00	0.00

Quantitation Report (Qedit)

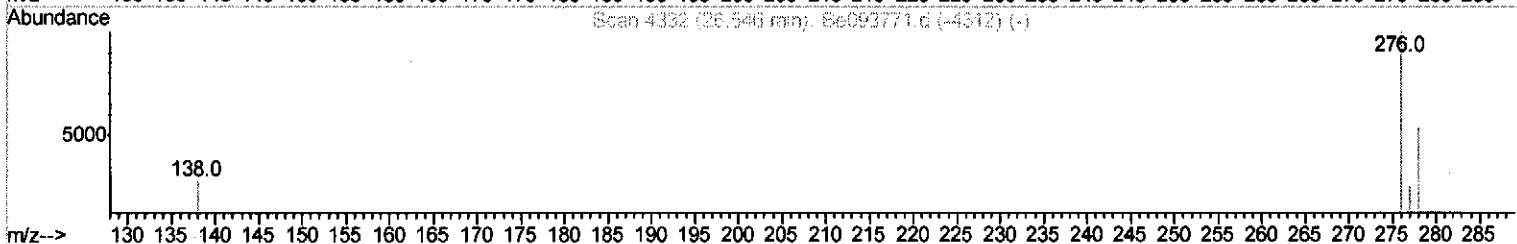
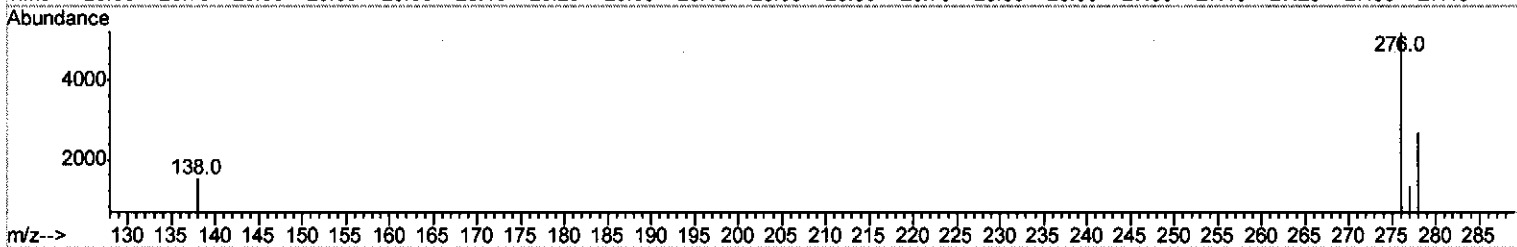
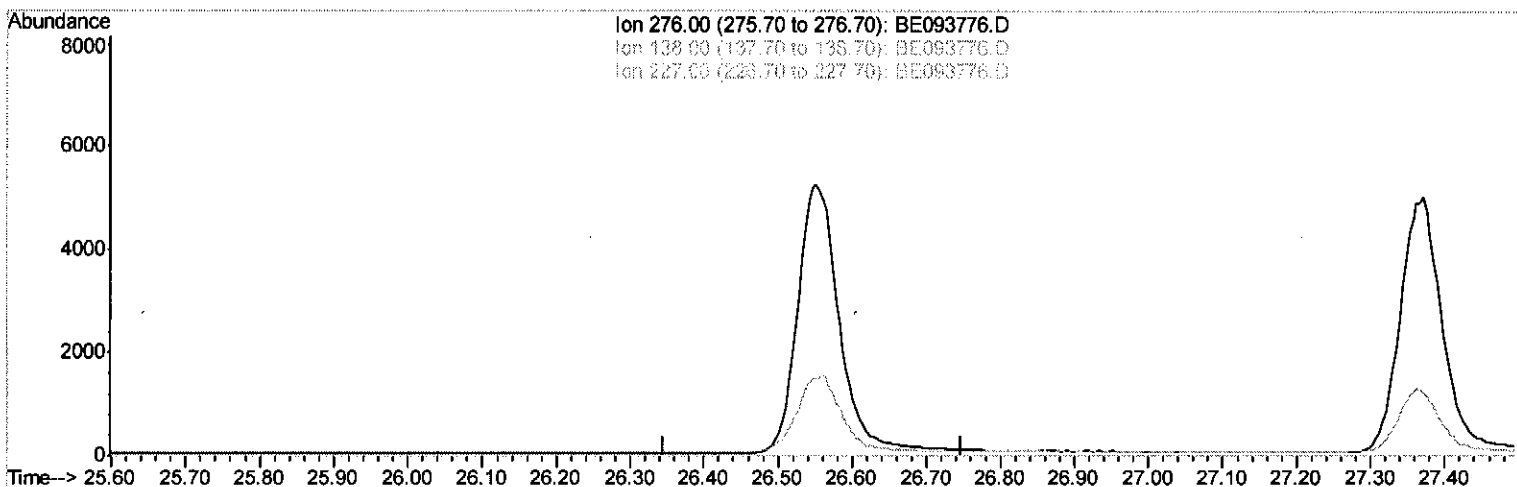
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
X2A53

Manual Integrations
APPROVED

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8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

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

26.546min (-26.546) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

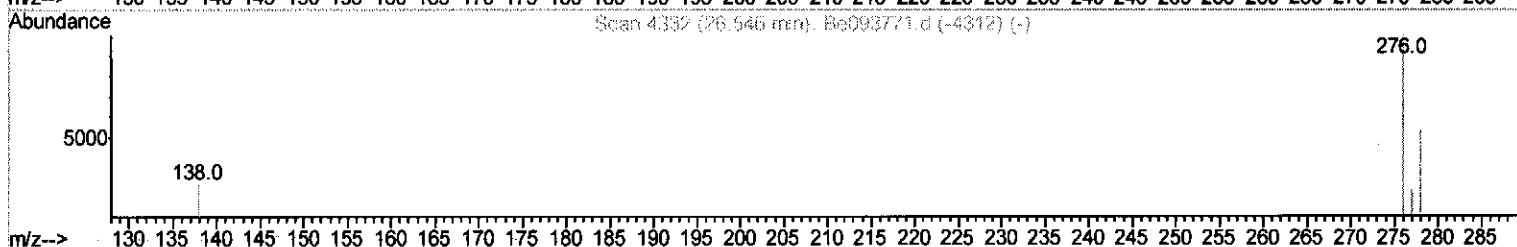
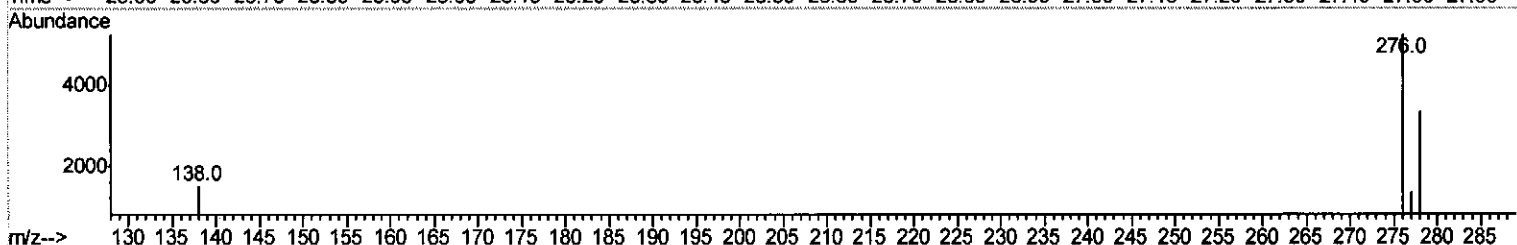
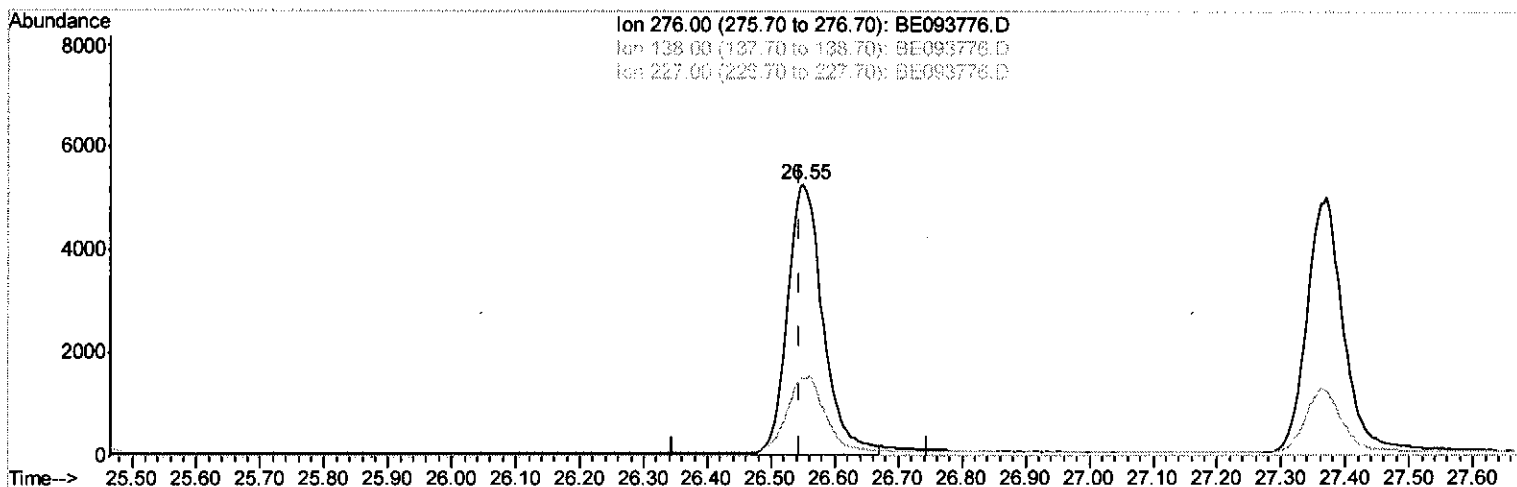
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

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

26.551min (+0.005) 0.36ng/ul m

response 20280

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

Quantitation Report (Qedit)

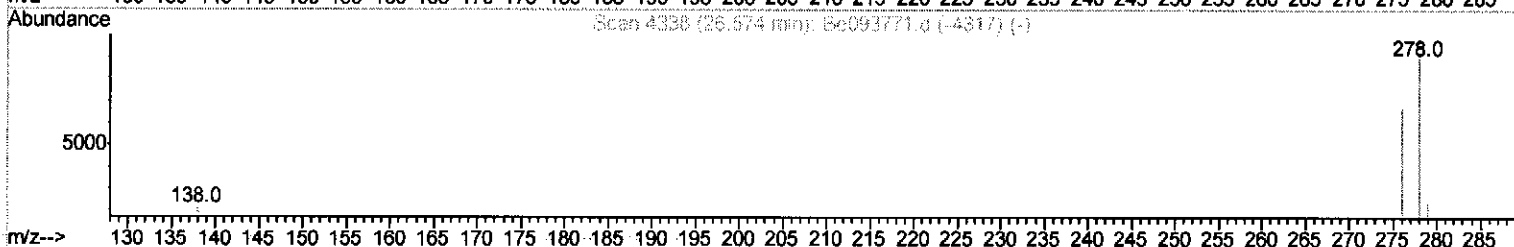
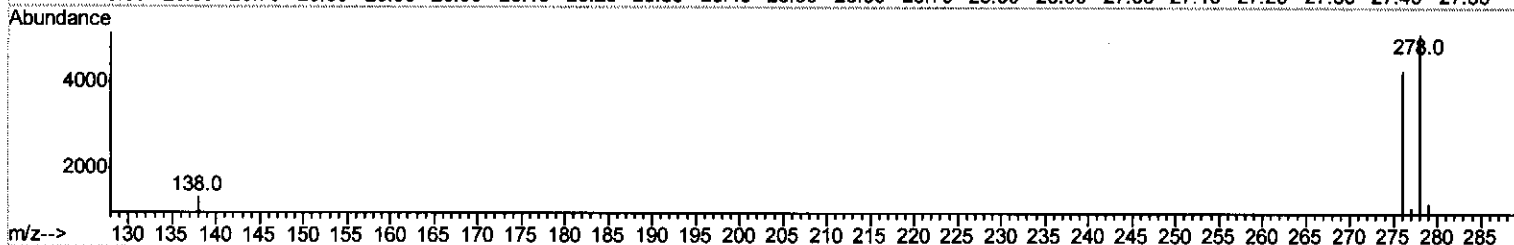
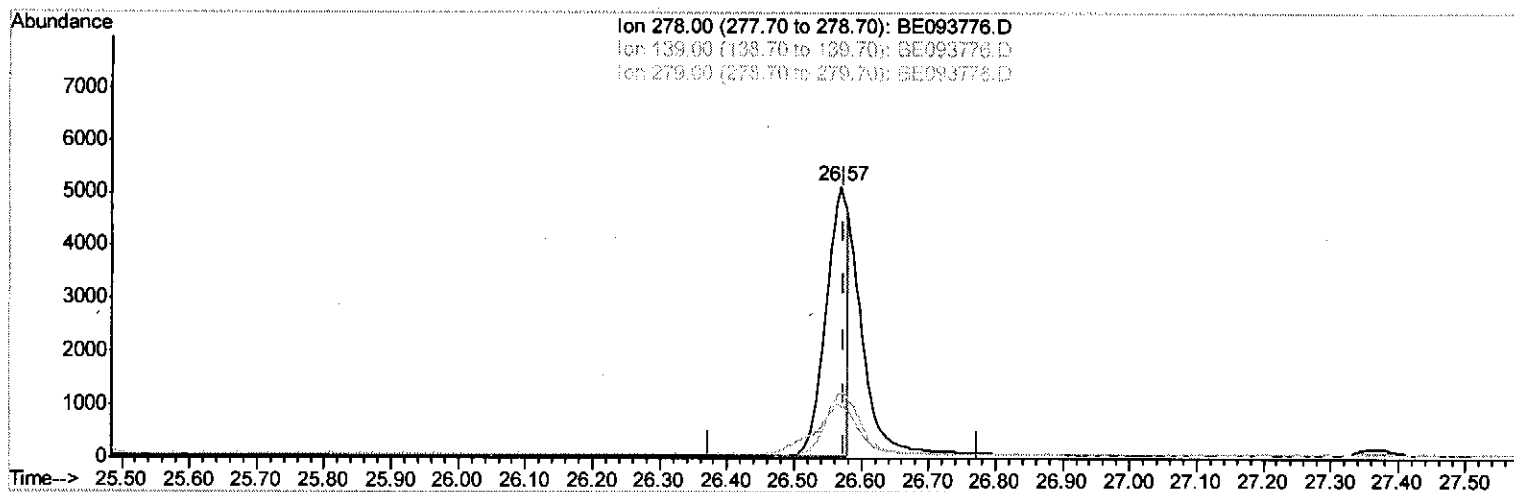
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Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
X2A53

Manual Integrations
APPROVED

sohil
8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE093776.D

(25) Dibenzo(a,h)anthracene

26.569min (-0.005) 0.23ng/ul

response 10871

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.23
279.00	32.40	23.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

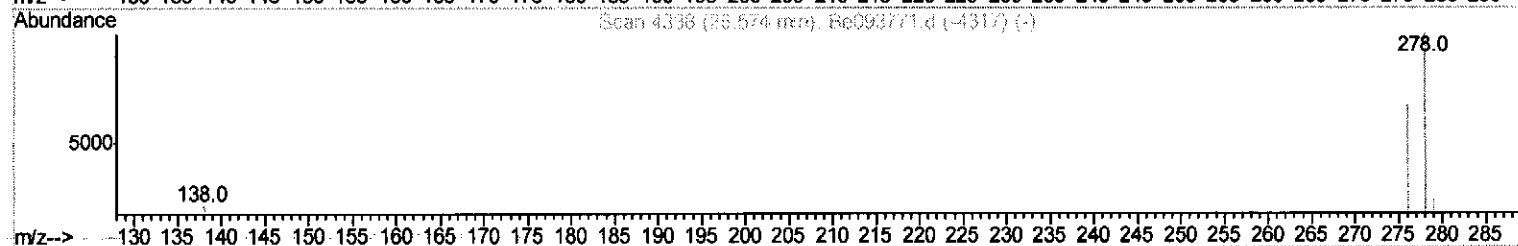
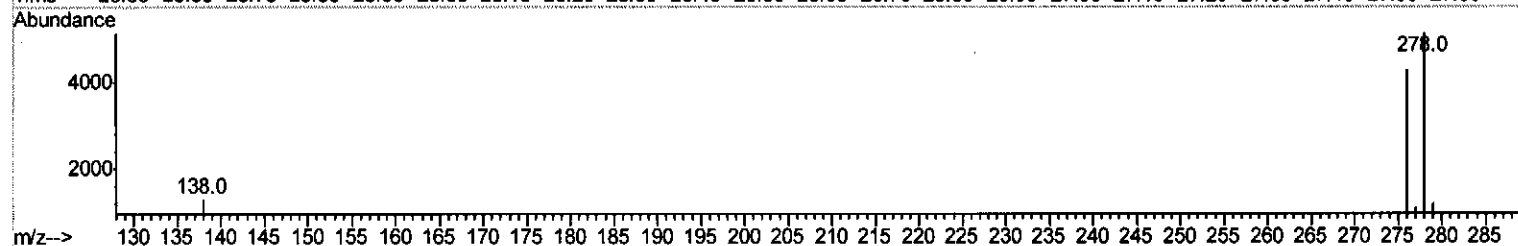
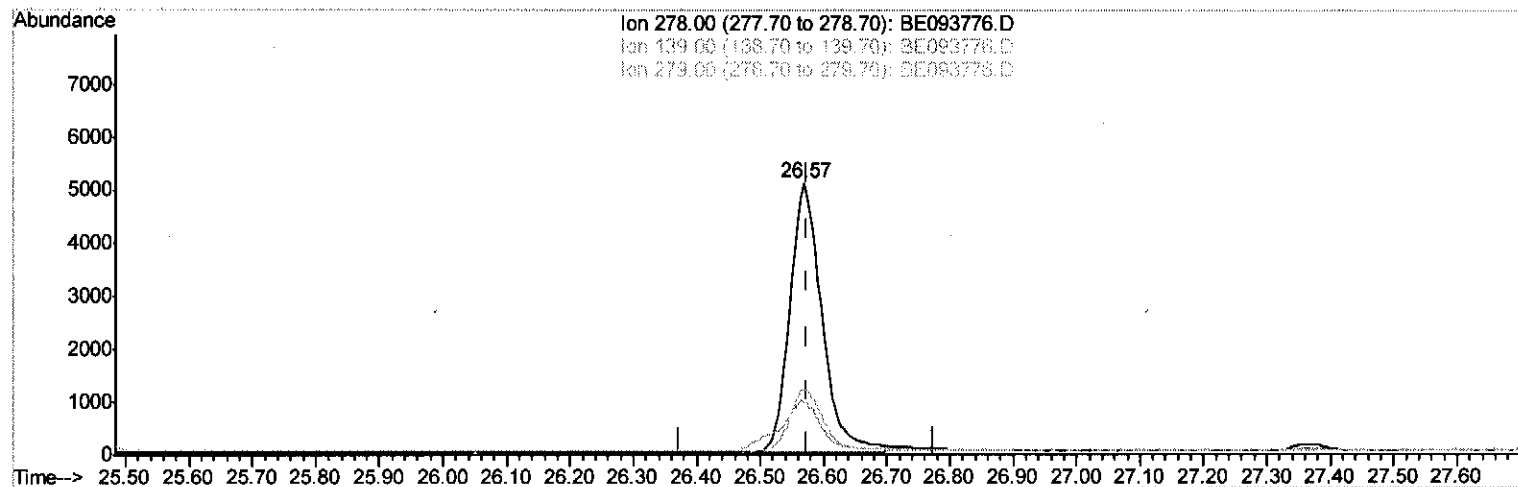
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
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Manual Integrations
APPROVED

sohil
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Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093776.D

(25) Dibenzo(a,h)anthracene

26.569min (-0.005) 0.38ng/ul m

response 17822

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.23
279.00	32.40	23.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

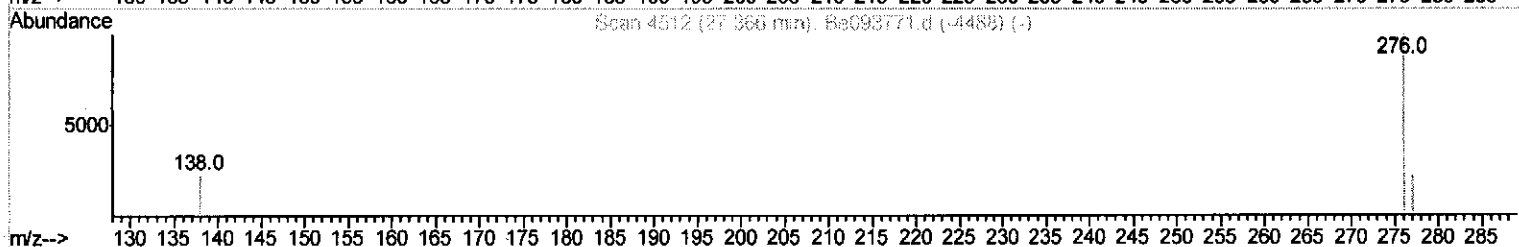
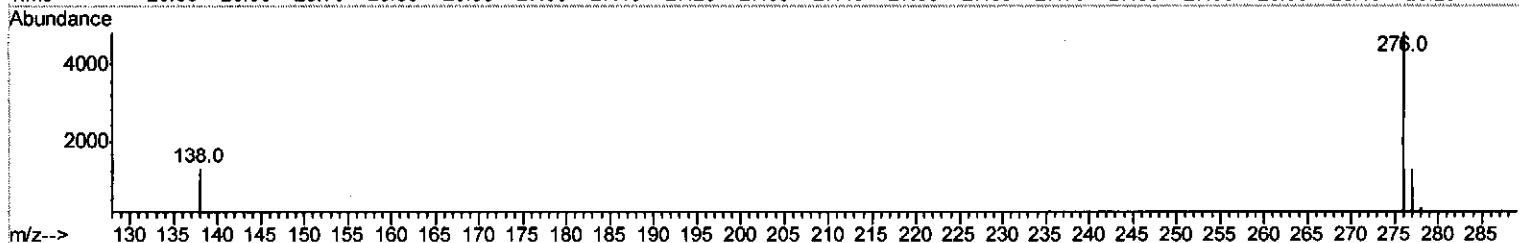
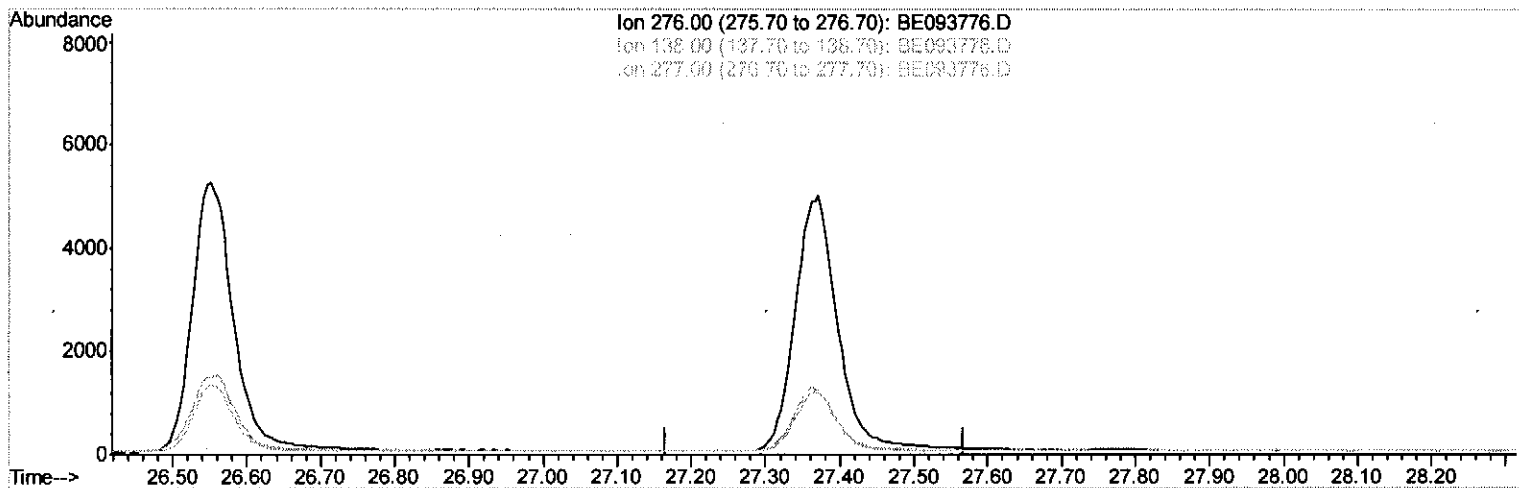
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
 Data File : BE093776.D
 Acq On : 11 Aug 2017 18:58
 Operator : SJ/JU
 Sample : I4489-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 X2A53

Manual Integrations
 APPROVED

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Quant Time: Aug 12 02:30:15 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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 Response via : Initial Calibration



(26) Benzo(g,h,i)perylene

27.366min (-27.366) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
138.00	27.30	0.00#
277.00	25.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

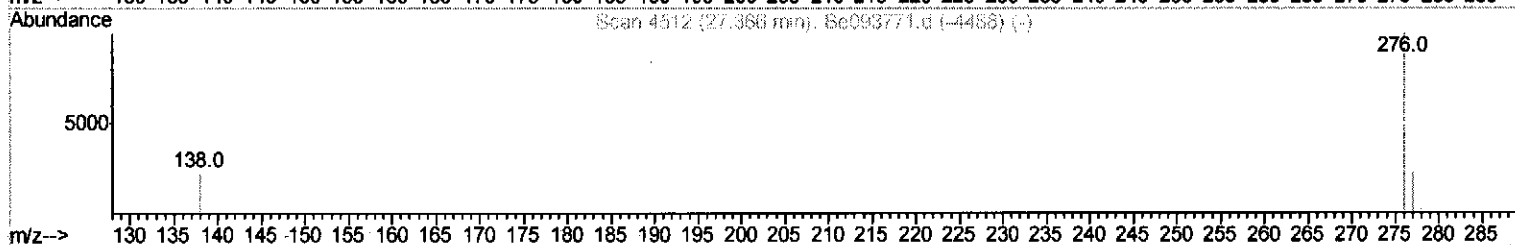
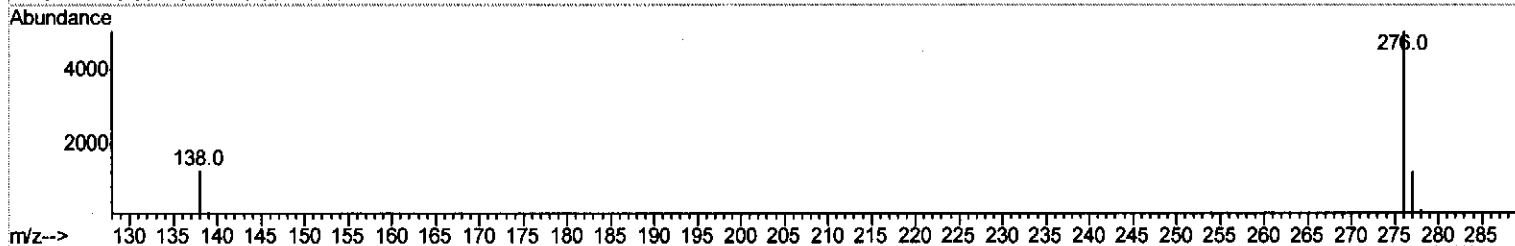
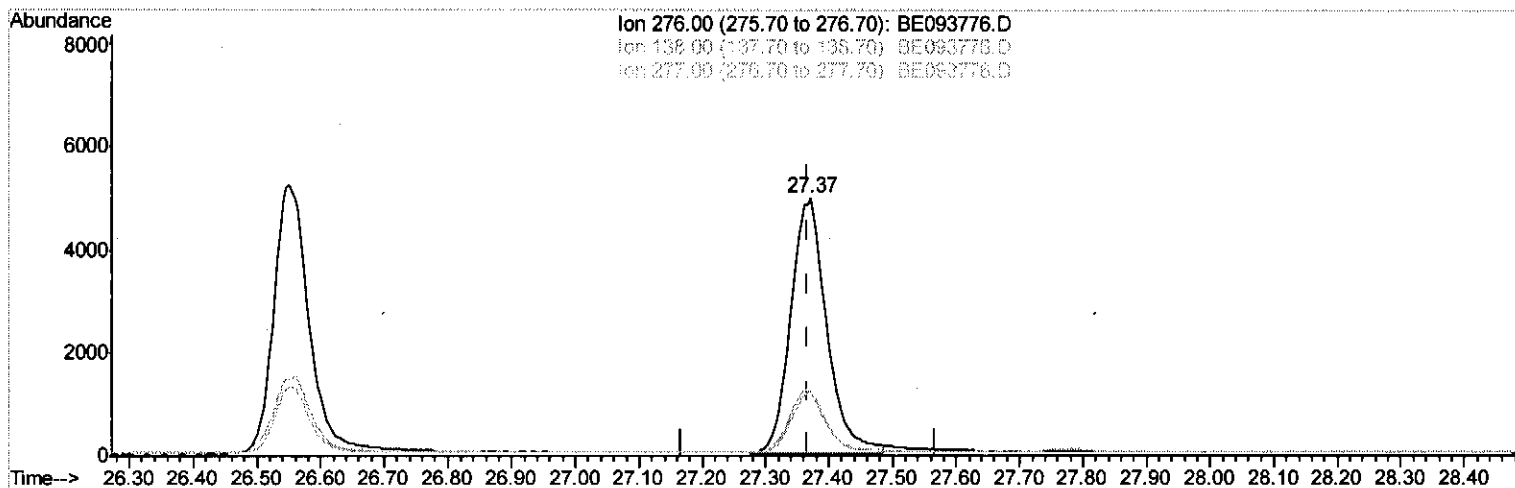
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
Data File : BE093776.D
Acq On : 11 Aug 2017 18:58
Operator : SJ/JU
Sample : I4489-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
X2A53

Manual Integrations
APPROVED

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Quant Time: Aug 12 02:30:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration



TIC: BE093776.D

(26) Benzo(g,h,i)perylene

27.371min (+0.005) 0.41ng/ul m

response 19559

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	24.68
277.00	25.60	23.80
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
 Data File : BE093776.D
 Acq On : 11 Aug 2017 18:58
 Operator : SJ/JU
 Sample : I4489-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
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Manual Integrations
 APPROVED

sohil
 8/14/2017 7:00:39 PM

Quant Time: Aug 12 02:35:03 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2666	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	13825	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	7821	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	18281	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19402	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	17237m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	6892	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	16918	0.29	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	7813	0.232	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	5995	0.244	ng/ul	98
7) Acenaphthylene	14.24	152	23808	0.728	ng/ul	96
8) Acenaphthene	14.59	153	7872	0.306	ng/ul	98
9) Fluorene	15.57	166	9704	0.298	ng/ul#	94
11) Pentachlorophenol	16.93	266	506	0.168	ng/ul	97
12) Phenanthrene	17.29	178	32494	0.653	ng/ul#	89
13) Anthracene	17.38	178	10502	0.217	ng/ul#	89
15) Fluoranthene	19.30	202	21269	0.342	ng/ul	84
17) Pyrene	19.66	202	23853	0.421	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	38413	0.683	ng/ul#	85
19) Chrysene	21.44	228	21277	0.394	ng/ul	96
21) Benzo(b)fluoranthene	23.14	252	16847m	0.316	ng/ul	} JLU 8/14/17
23) Benzo(a)pyrene	23.80	252	24272m	0.479	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	20280m	0.362	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	17822m	0.381	ng/ul	
26) Benzo(a,h,i)perylene	27.37	276	19559m	0.415	ng/ul	

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