

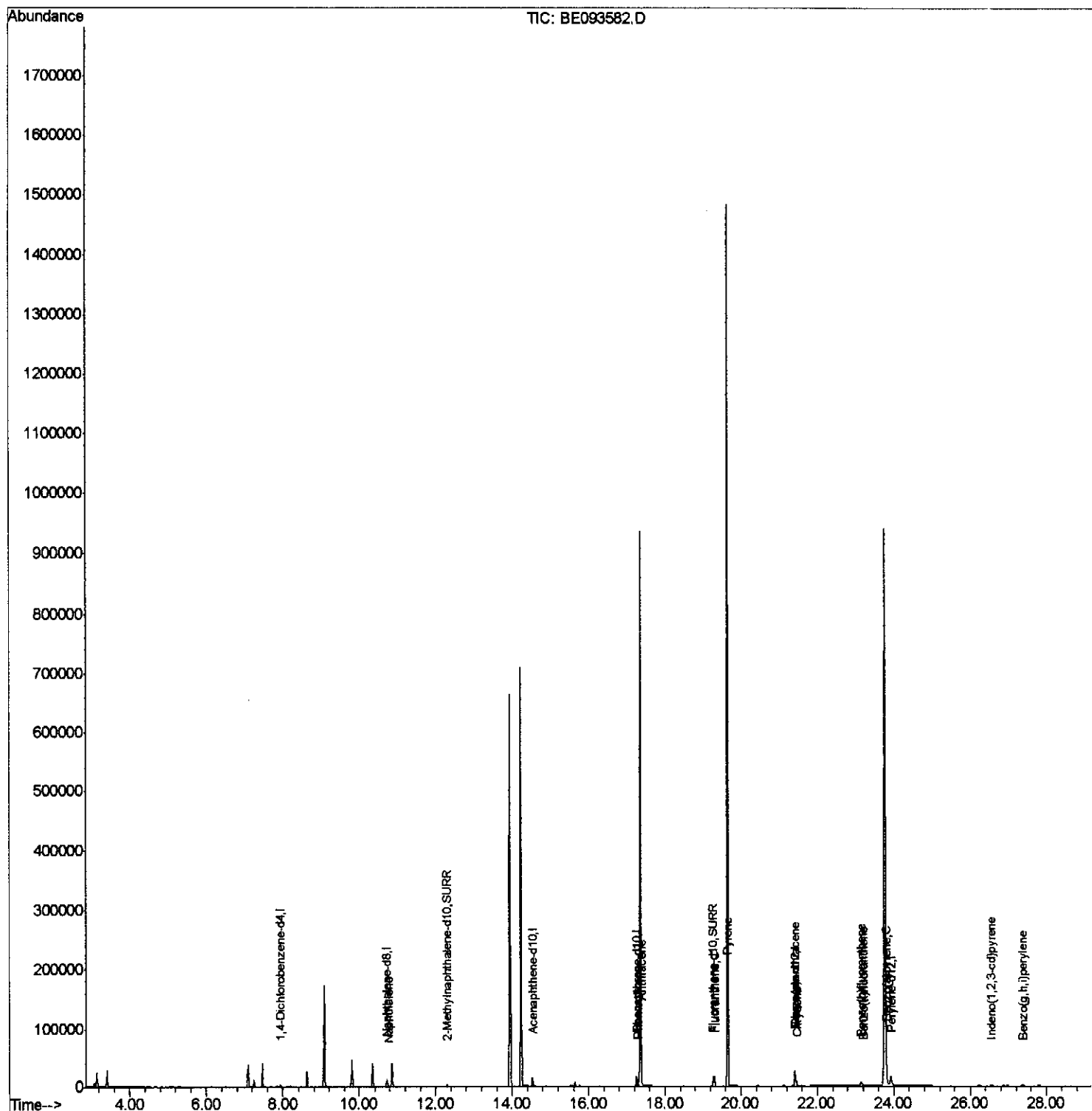
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:56:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

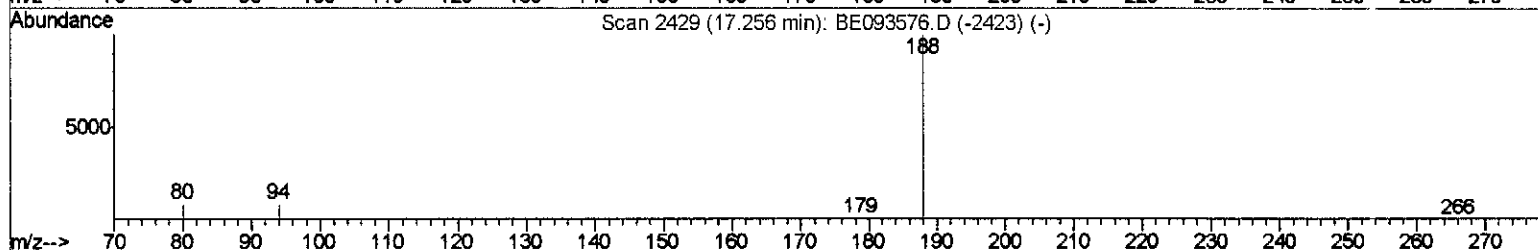
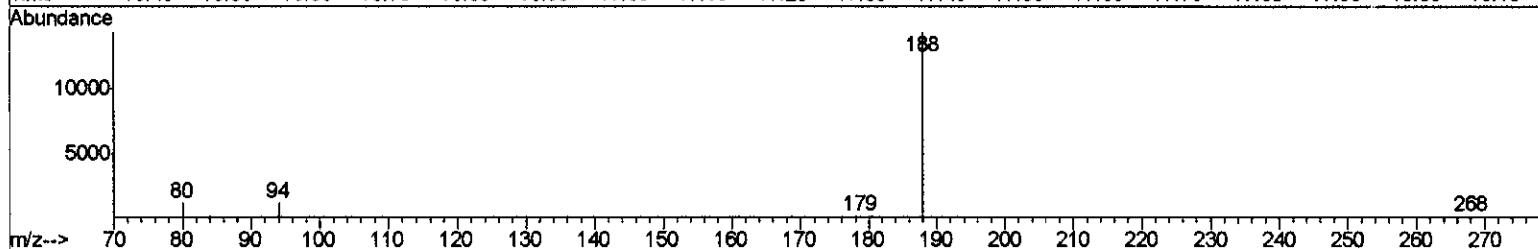
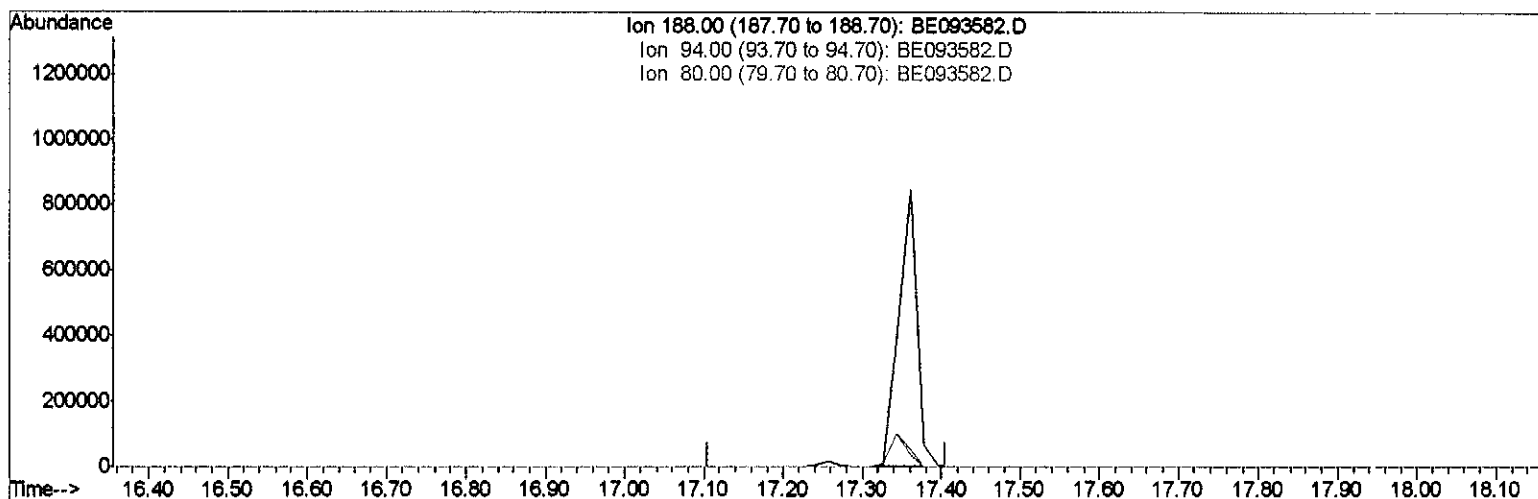
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093582.D
 Acq On : 25 Jul 2017 18:04
 Operator : SJ/JU
 Sample : I4213-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B42

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:51:32 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 18:00:47 2017
 Response via : Initial Calibration



TIC: BE093582.D

(10) Phenanthrene-d10 (I)
 17.256min (-17.256) 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

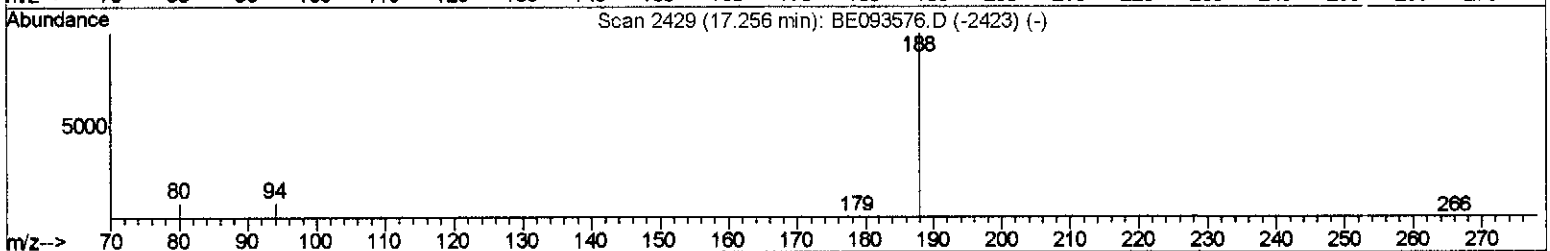
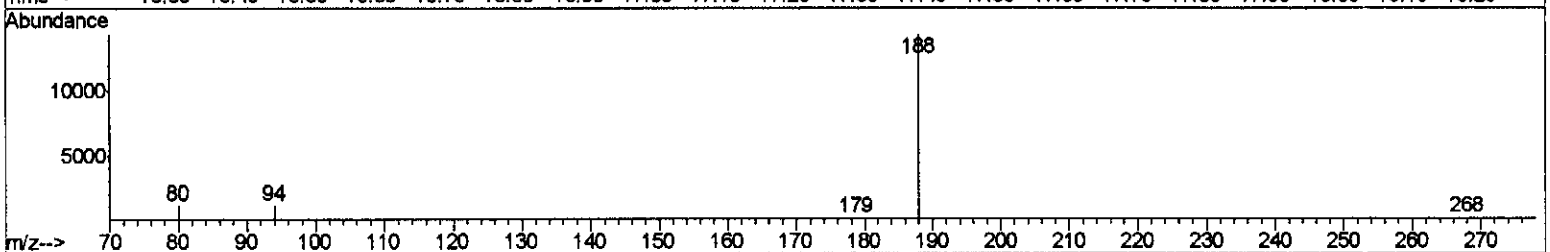
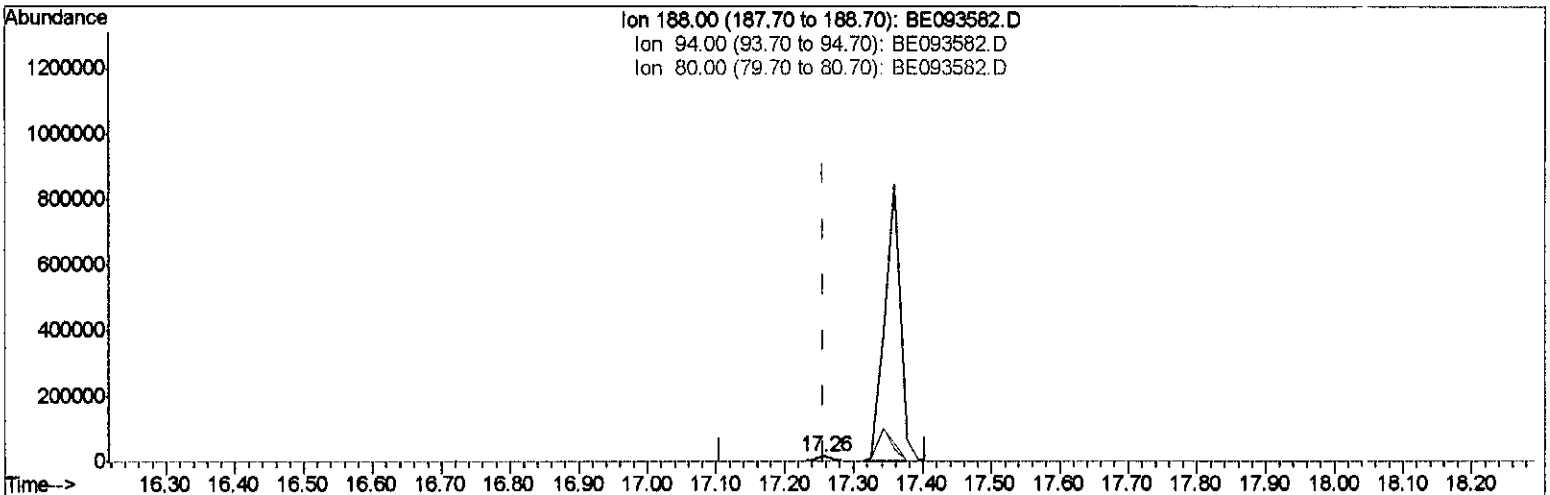
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:51:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(10) Phenanthrene-d10 (I)

17.256min (+0.000) 0.40ng/ul m

SJ 8/8/12

response 20769

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.79#
80.00	11.80	7.60#
0.00	0.00	0.00

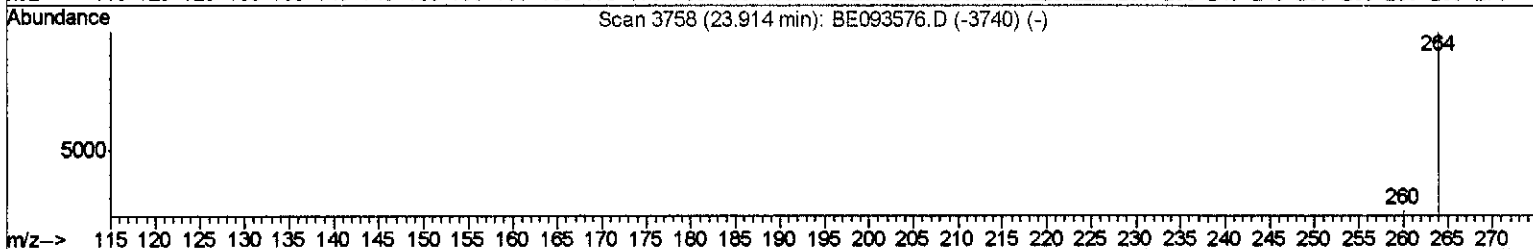
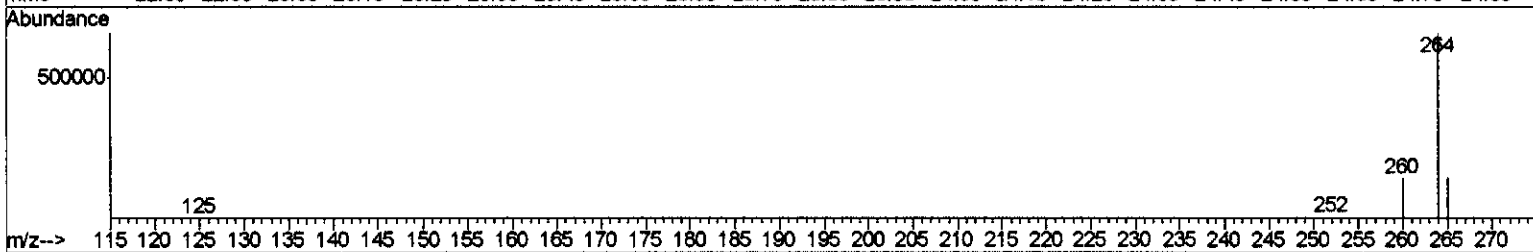
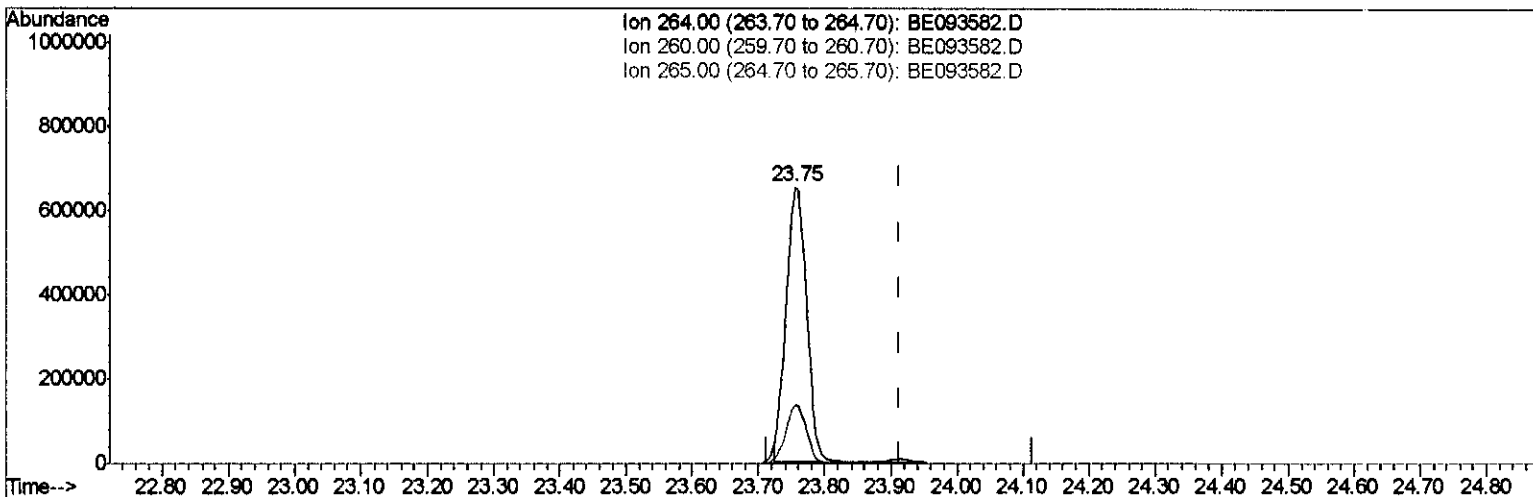
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:52:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(20) Perylene-d12 (I)

23.755min (-0.159) 0.40ng/ul

response 1394555

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.19#
265.00	103.50	21.63#
0.00	0.00	0.00

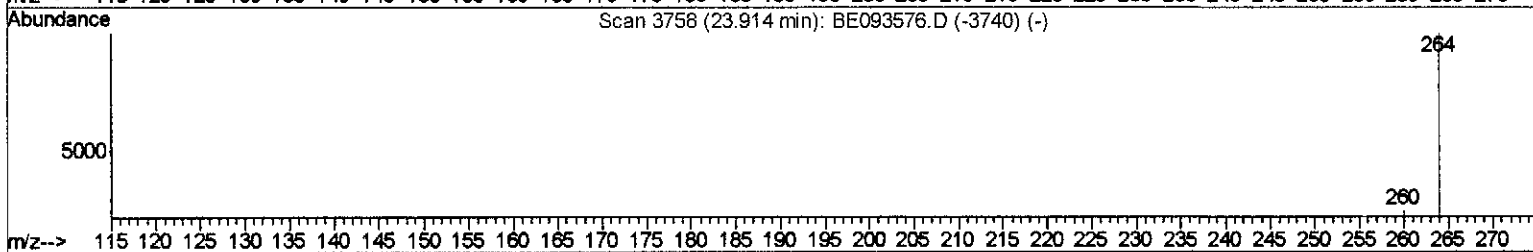
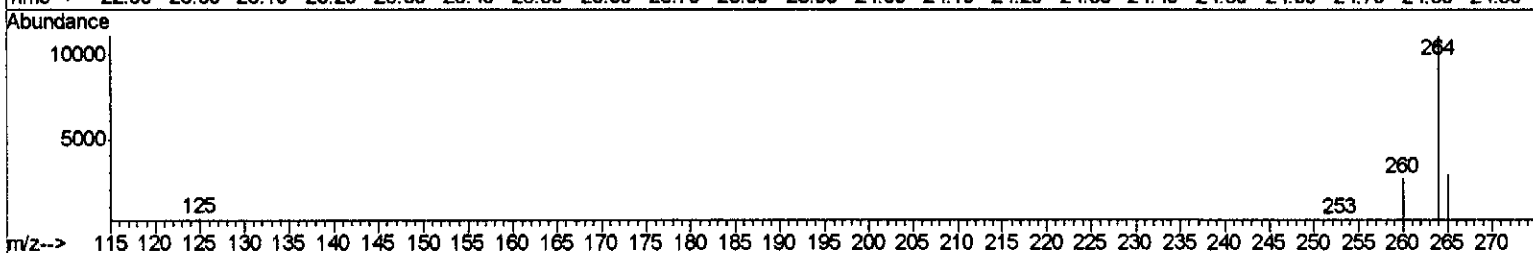
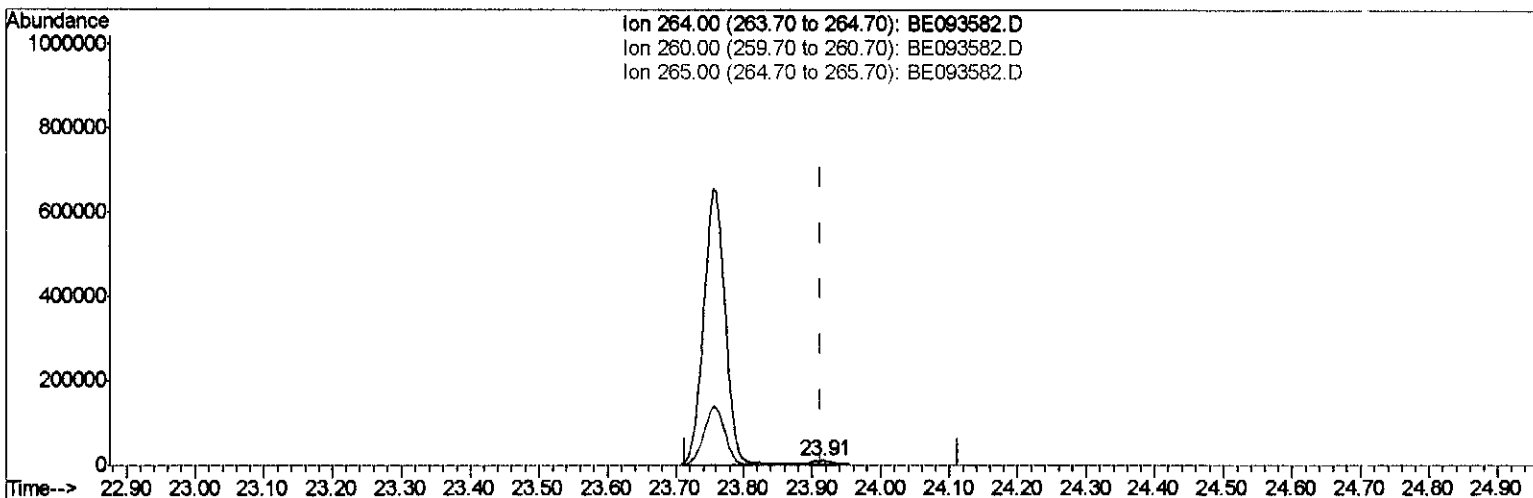
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:52:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(20) Perylene-d12 (I)

23.914min (+0.000) 0.40ng/ul m

SJ 8/8/17

response 19051

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.11
265.00	103.50	25.66#
0.00	0.00	0.00

Quantitation Report (Qedit)

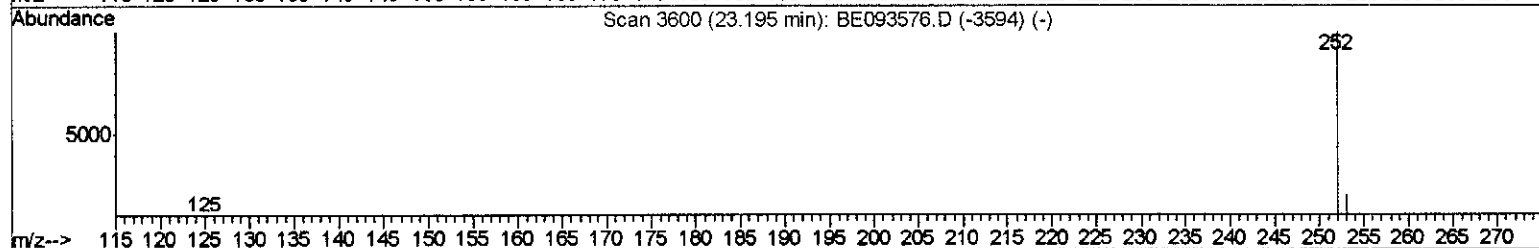
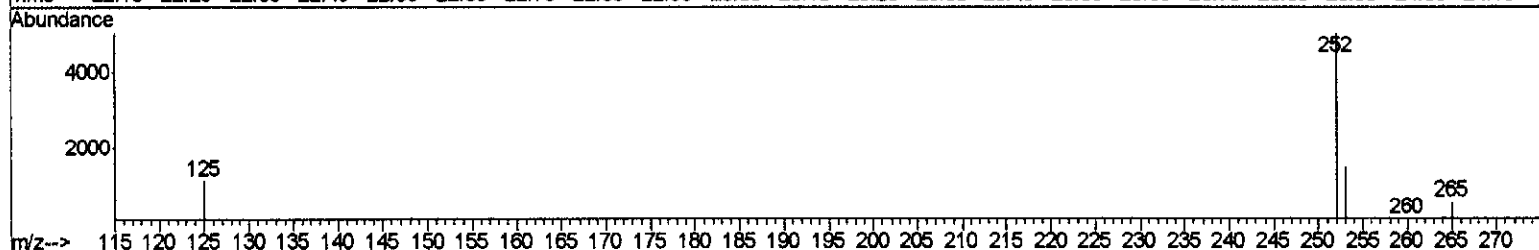
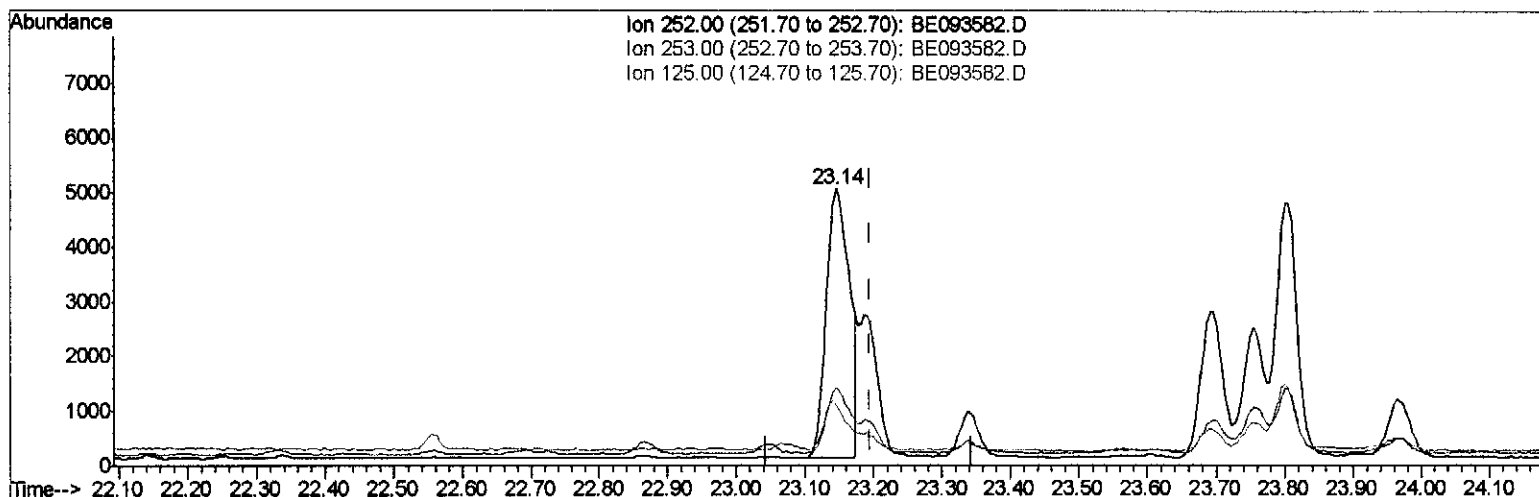
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(22) Benzo(k)fluoranthene

23.145min (-0.050) 0.20ng/ul

response 11620

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.32
125.00	17.10	21.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

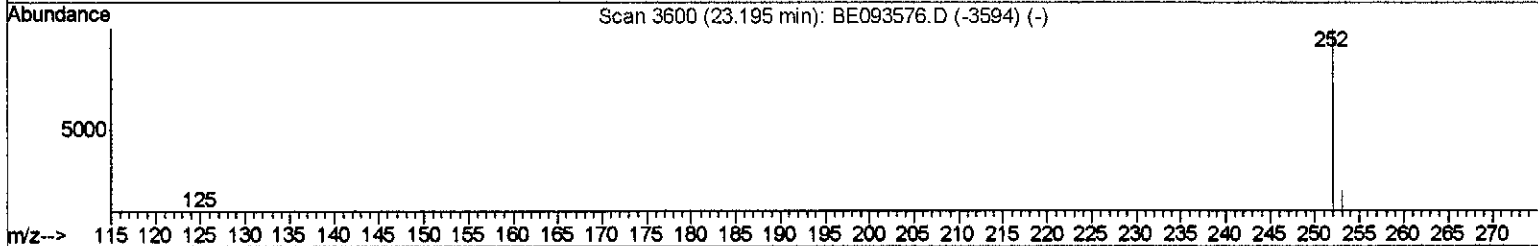
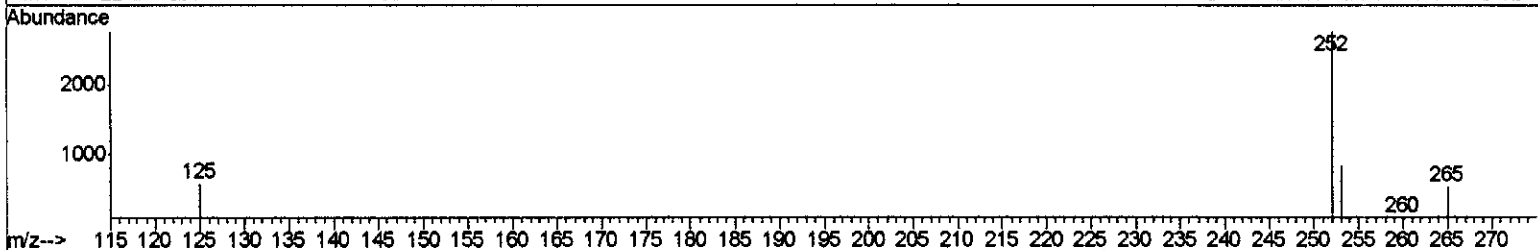
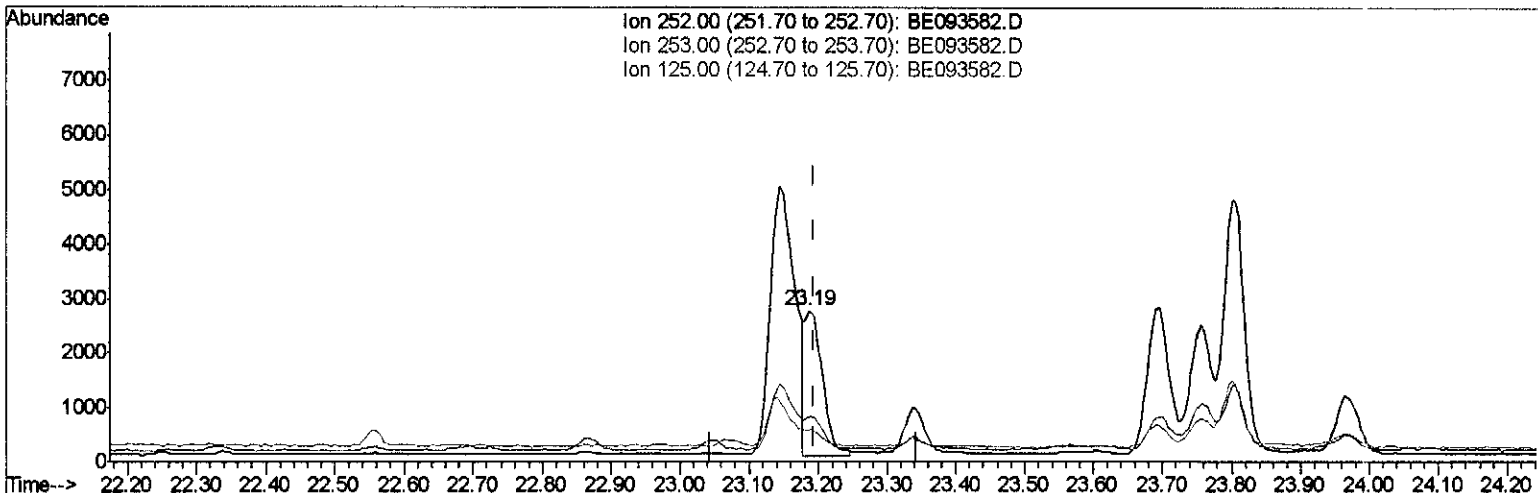
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093582.D
 Acq On : 25 Jul 2017 18:04
 Operator : SJ/JU
 Sample : I4213-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B42

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 18:00:47 2017
 Response via : Initial Calibration



TIC: BE093582.D

(22) Benzo(k)fluoranthene

23.186min (-0.009) 0.08ng/ul m

SJ 8/8/17

response 4774

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.57
125.00	17.10	20.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

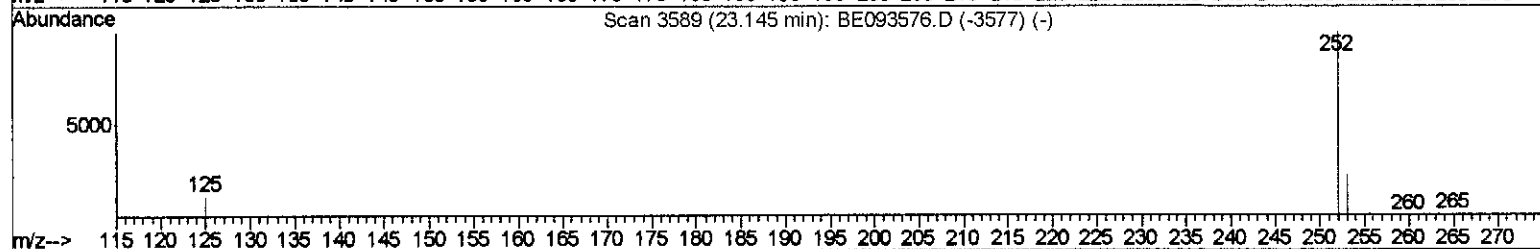
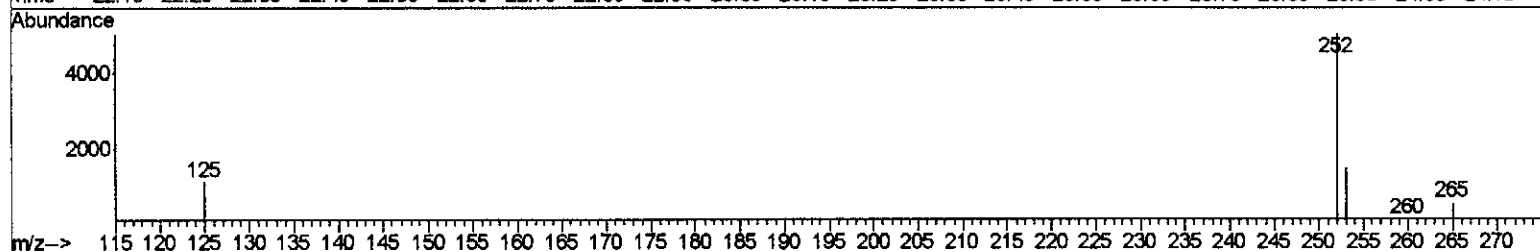
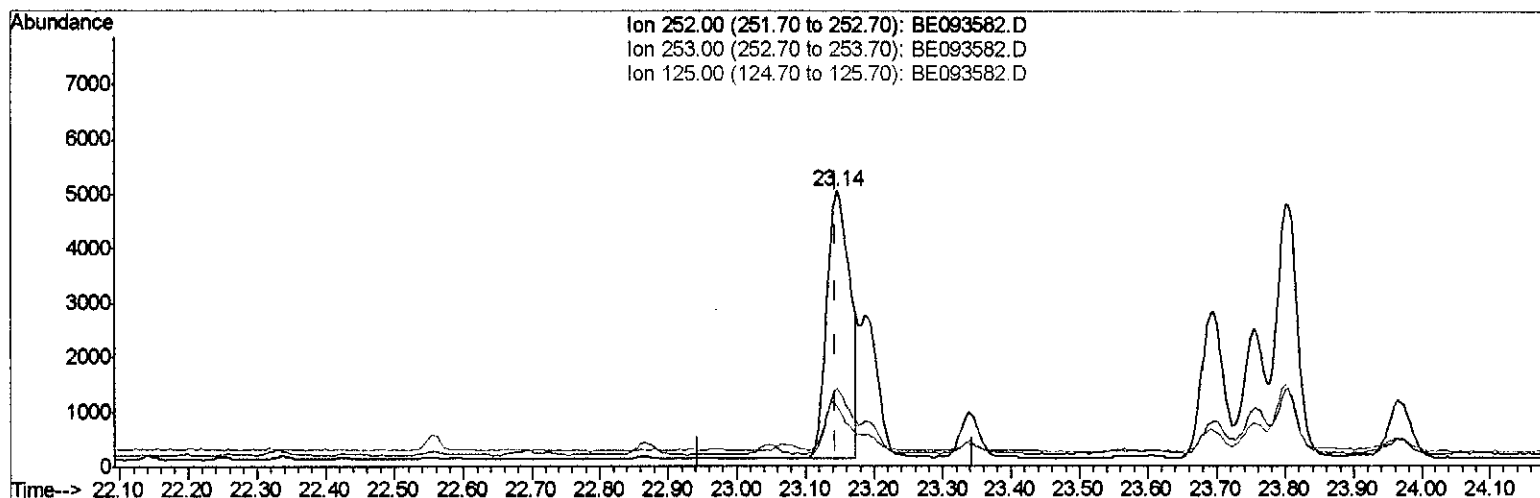
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(21) Benzo(b)fluoranthene

23.145min (+0.000) 0.20ng/ul

response 11620

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.32
125.00	17.50	21.69
0.00	0.00	0.00

Quantitation Report (Qedit)

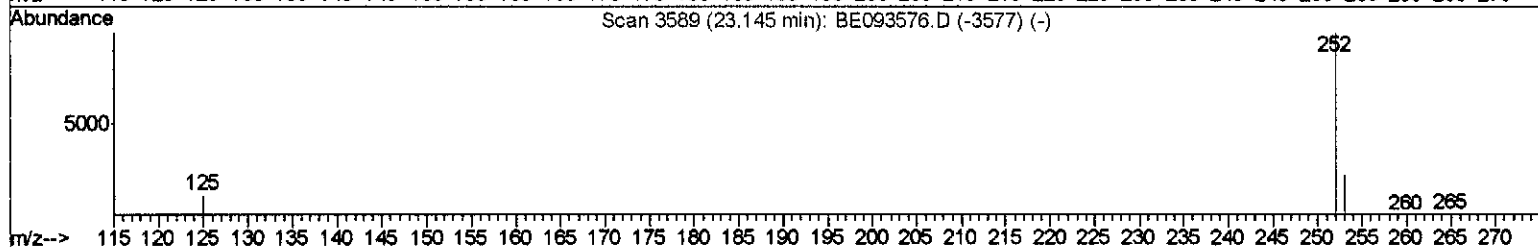
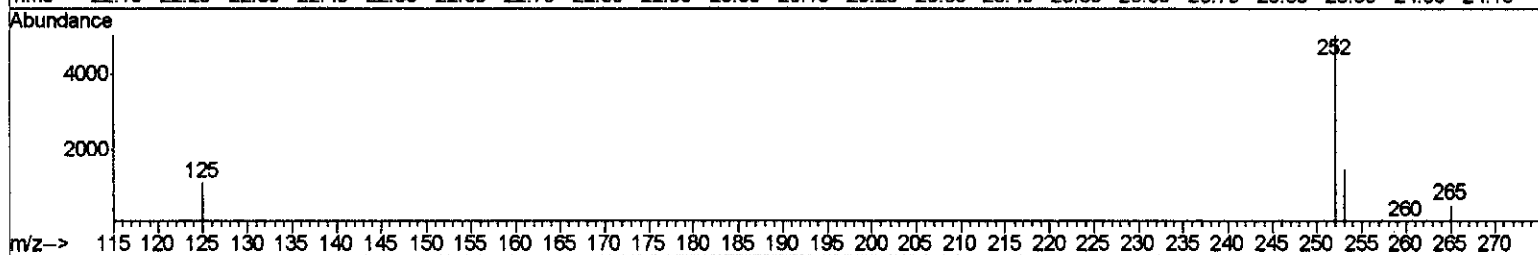
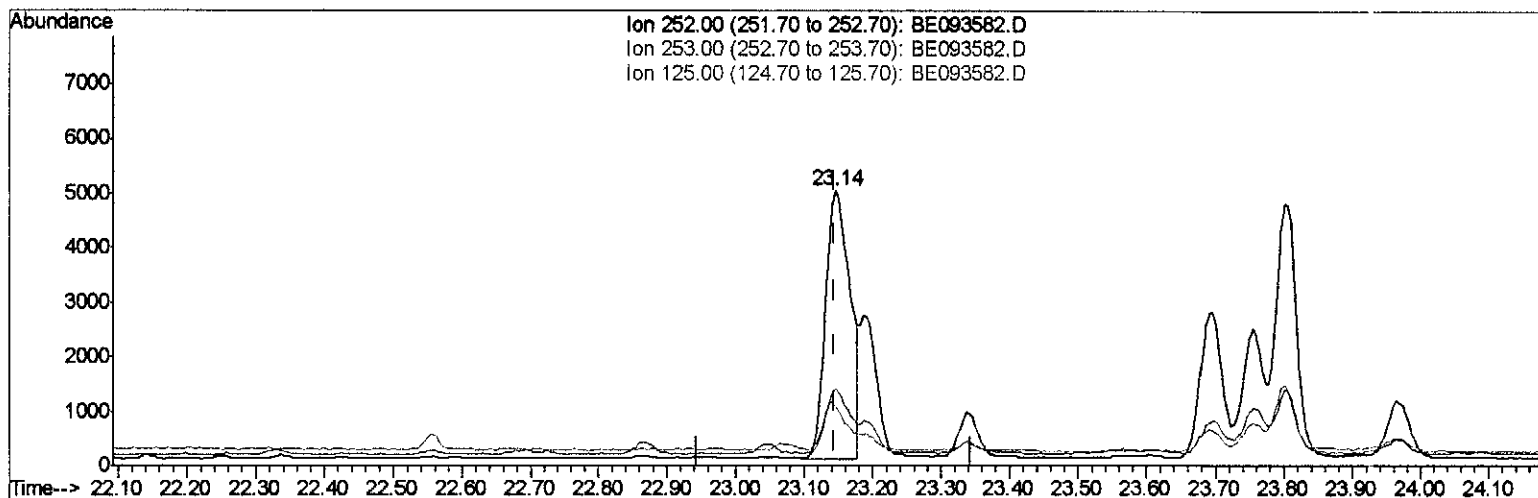
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(21) Benzo(b)fluoranthene

23.145min (+0.000) 0.21ng/ul m

SJ 8/8/17

response 12371

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.32
125.00	17.50	21.69
0.00	0.00	0.00

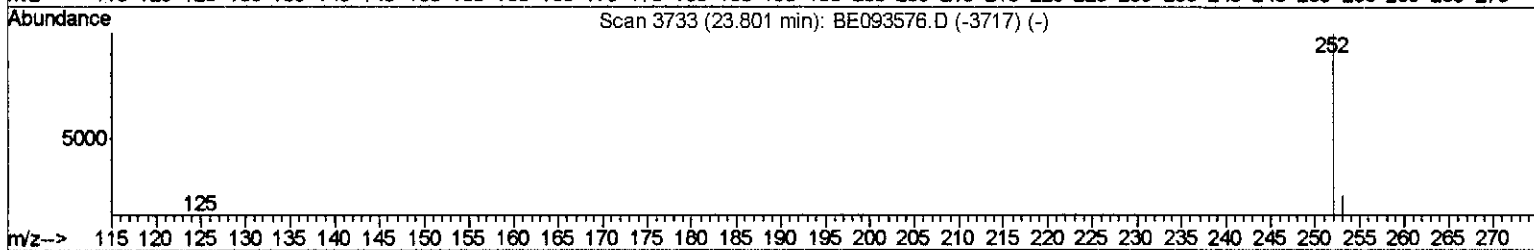
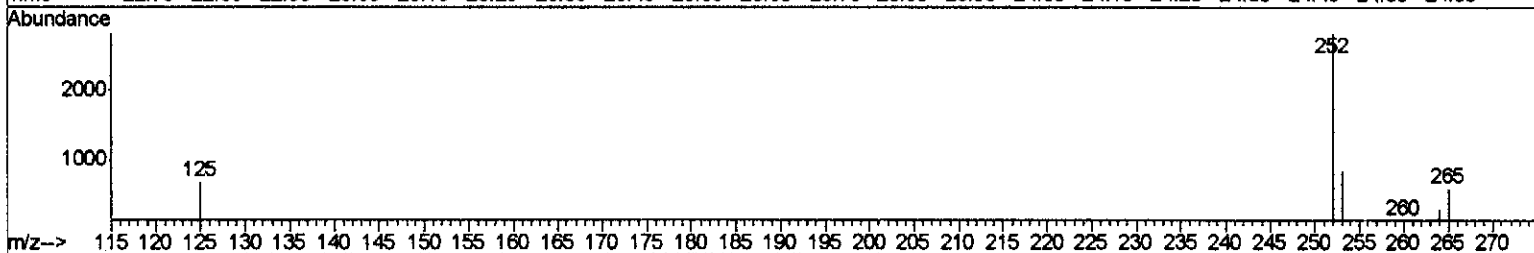
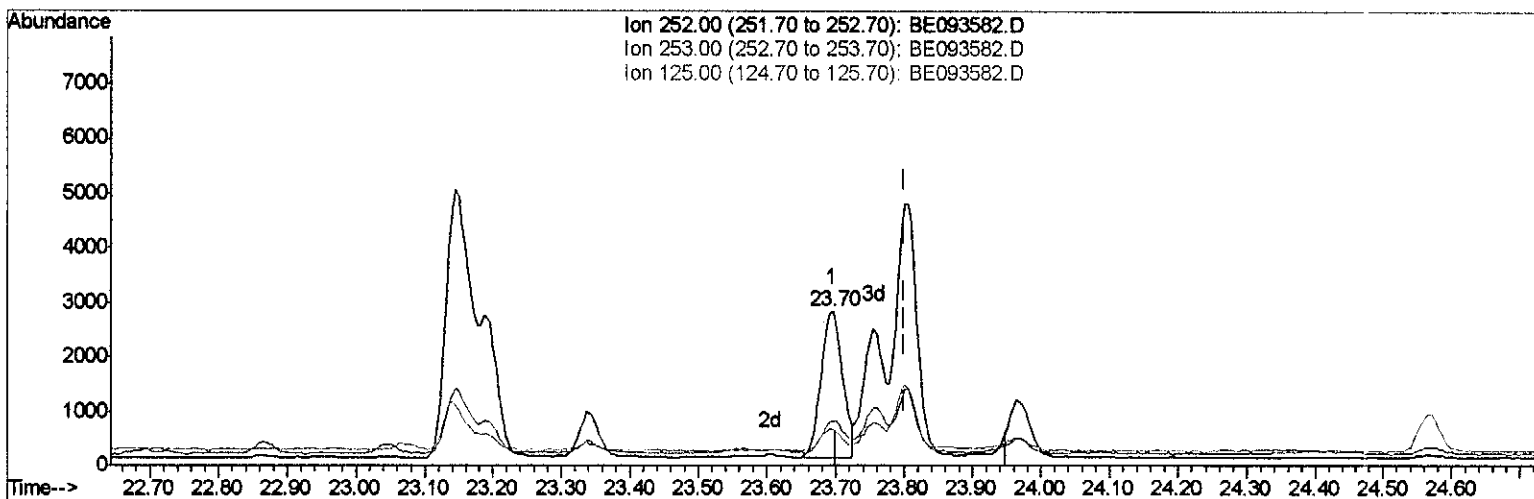
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(23) Benzo(a)pyrene (C)

23.696min (-0.104) 0.11ng/ul

response 5924

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.09
125.00	22.60	23.20
0.00	0.00	0.00

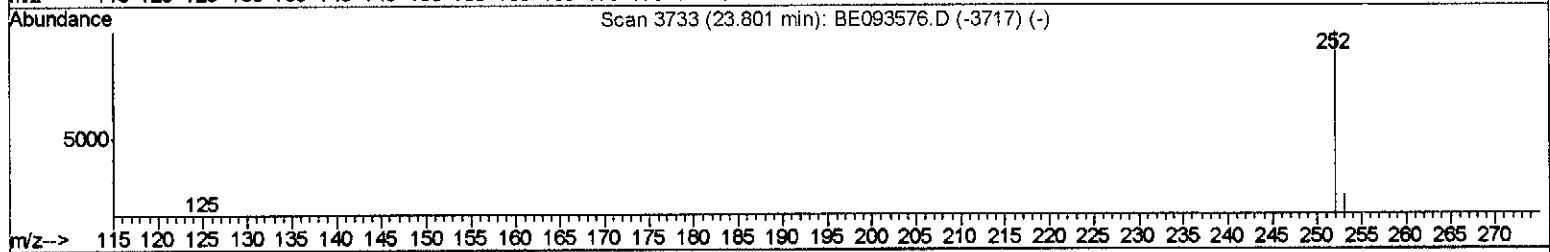
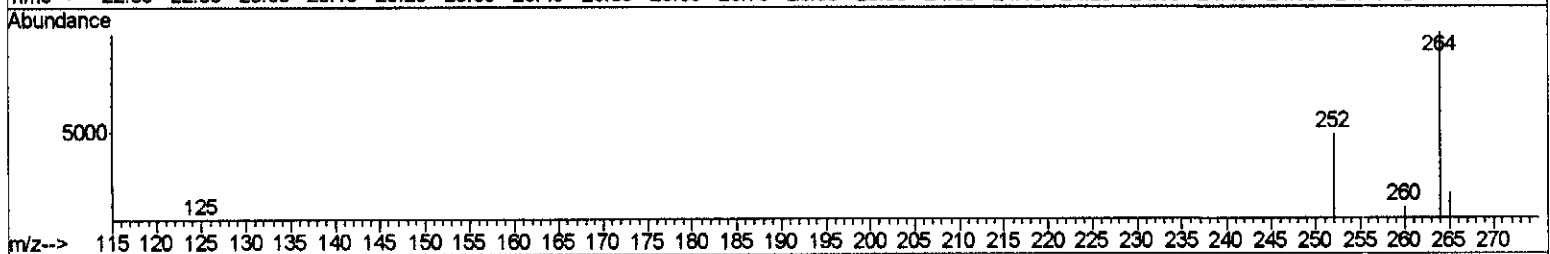
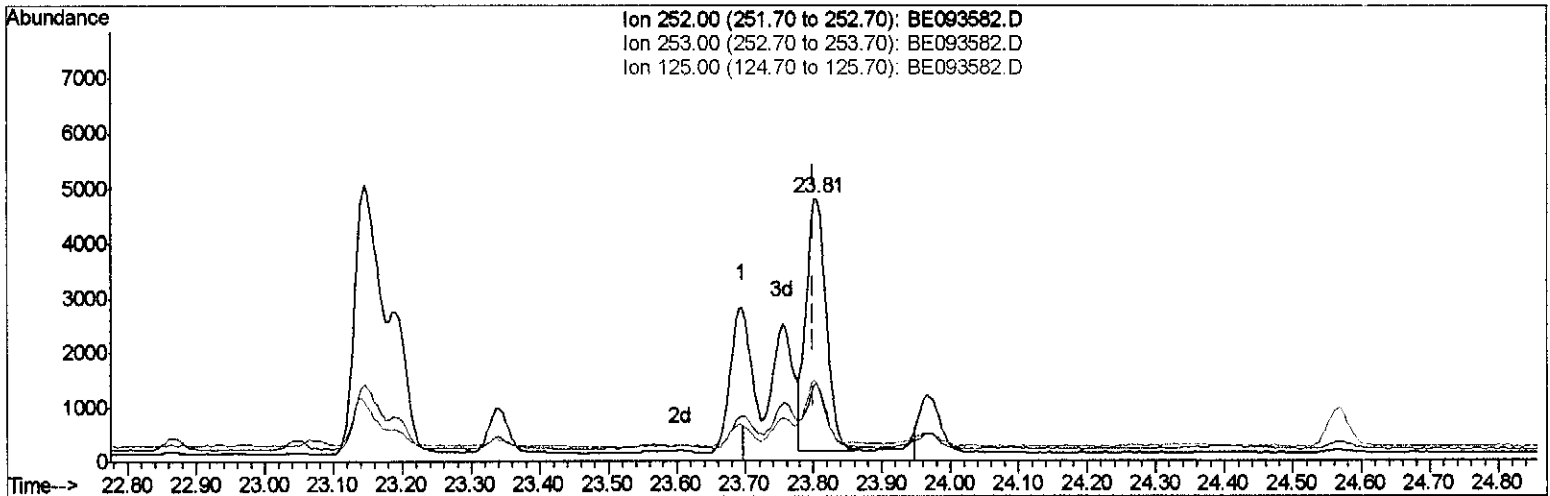
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.17ng/ul m

51 8/8/12

response 9457

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.20
125.00	22.60	29.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

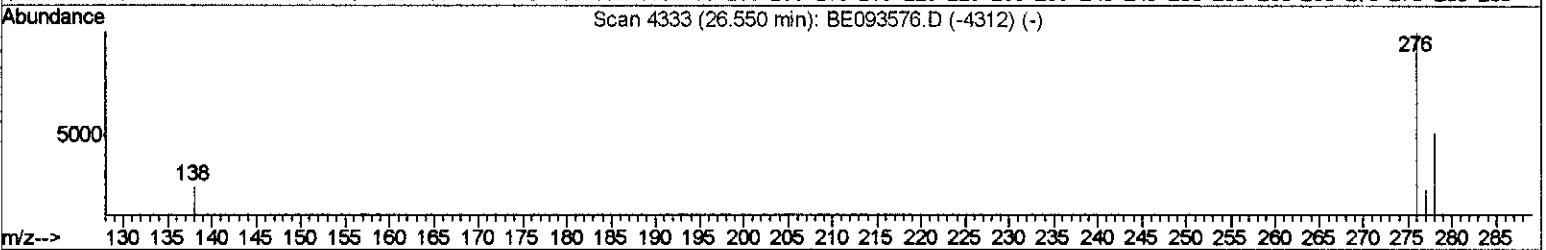
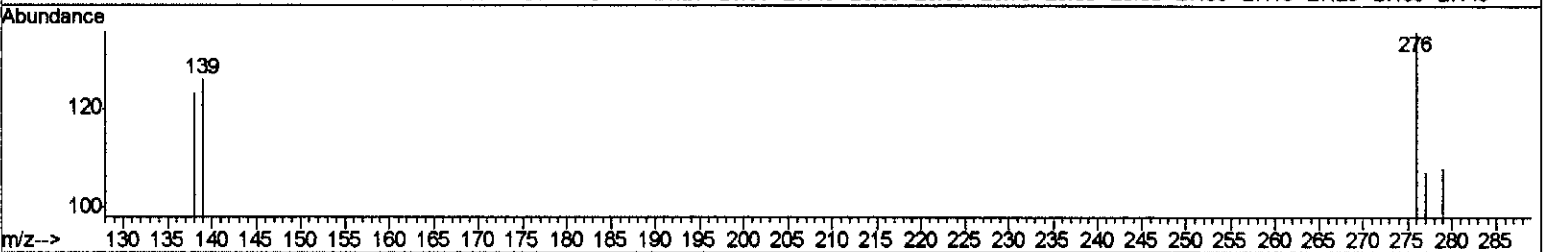
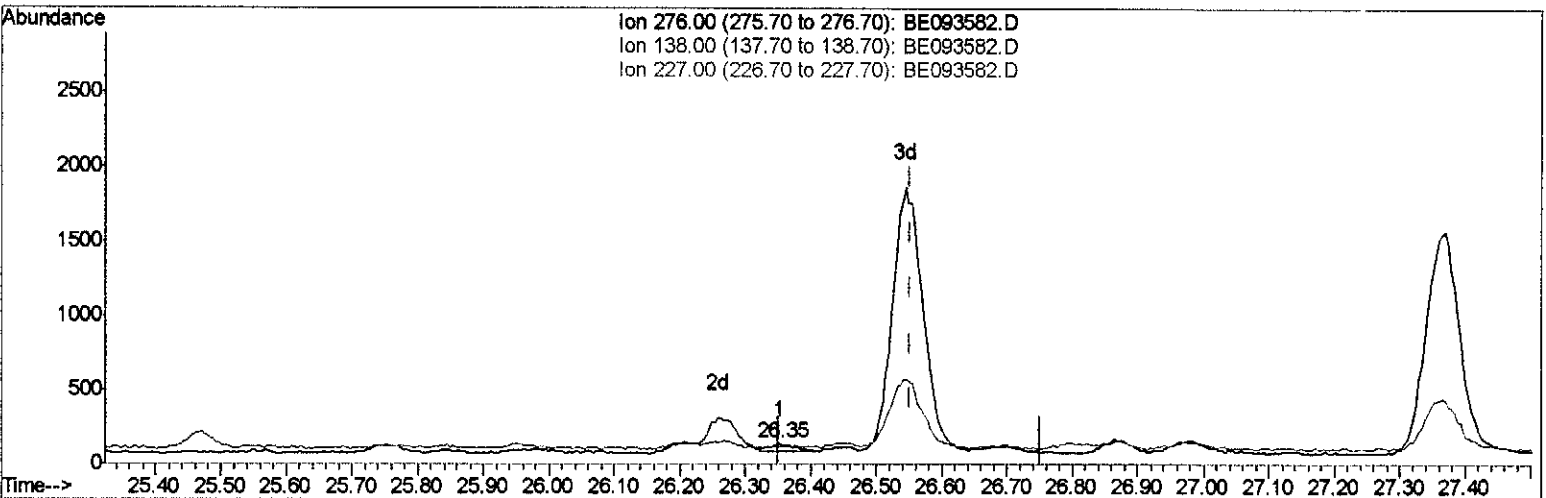
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093582.D
 Acq On : 25 Jul 2017 18:04
 Operator : SJ/JU
 Sample : I4213-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 C0B42

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 18:00:47 2017
 Response via : Initial Calibration



TIC: BE093582.D

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

26.354min (-0.198) 0.00ng/ui

response 132

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)

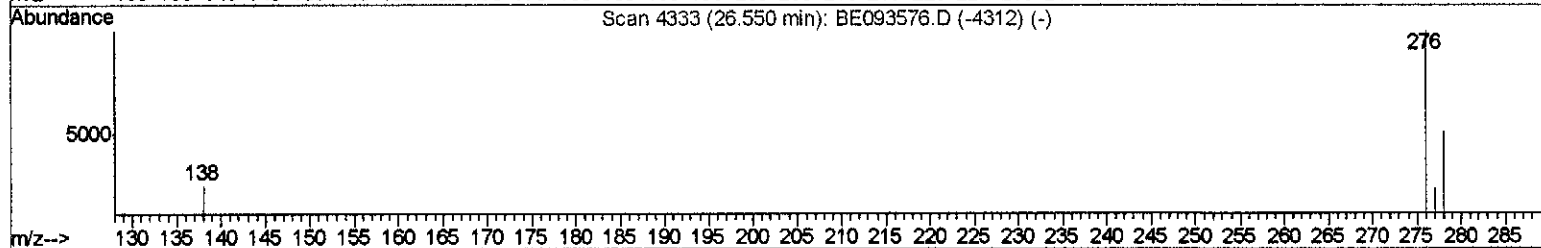
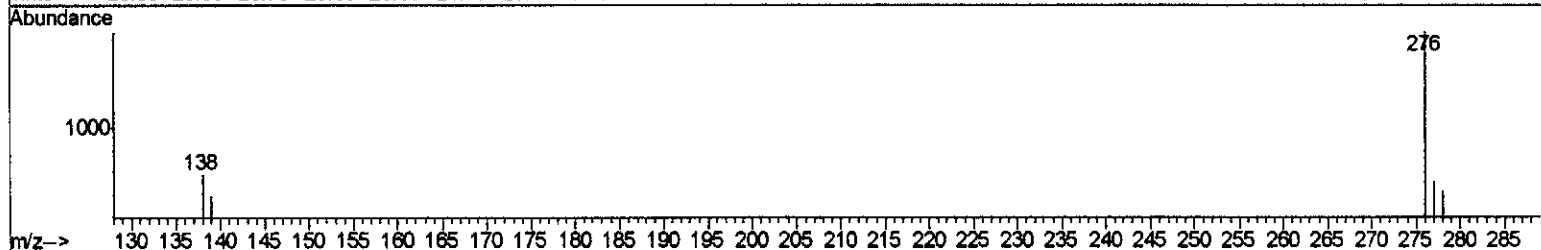
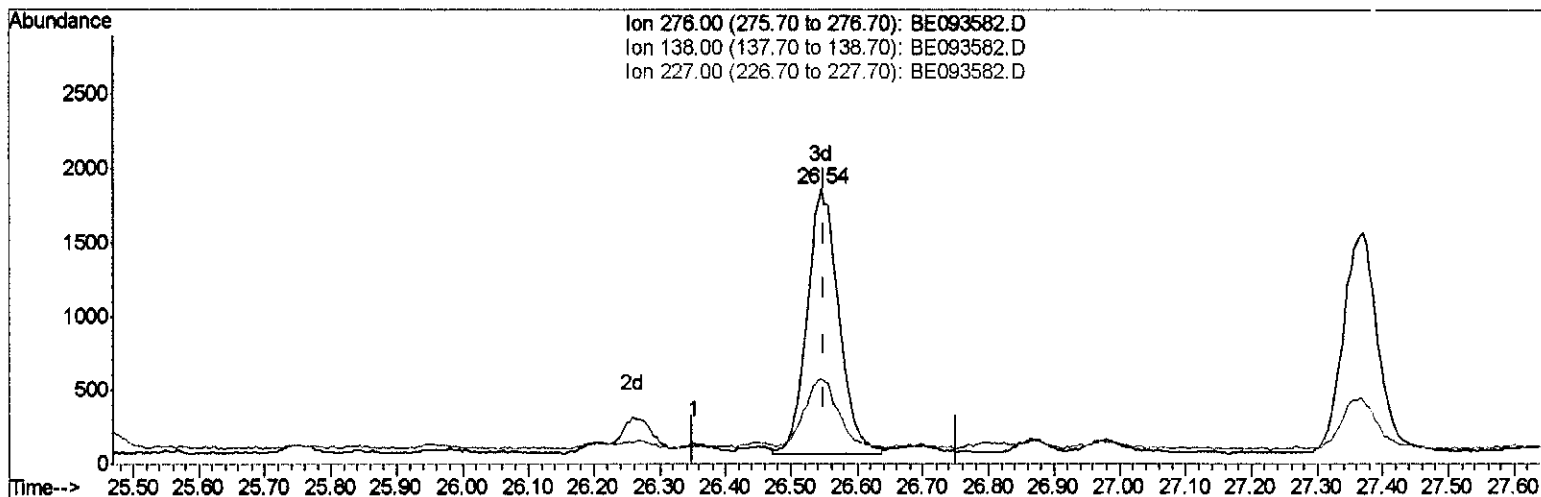
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

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

26.545min (-0.006) 0.10ng/ul m

SJ 8/8/17

response 5987

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)

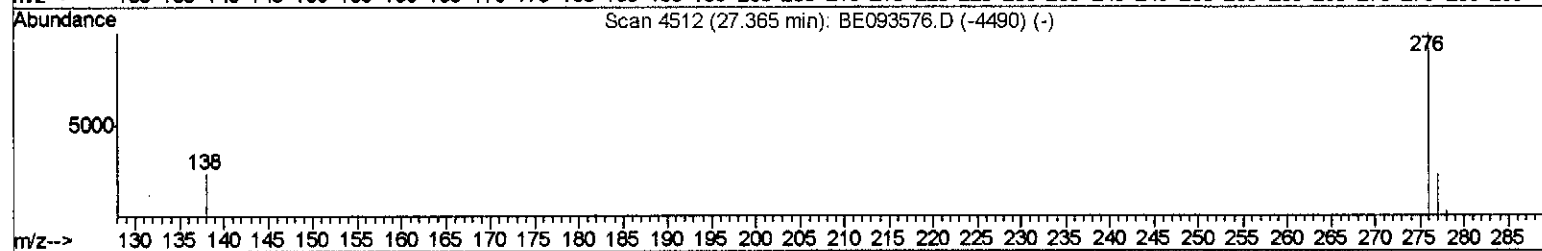
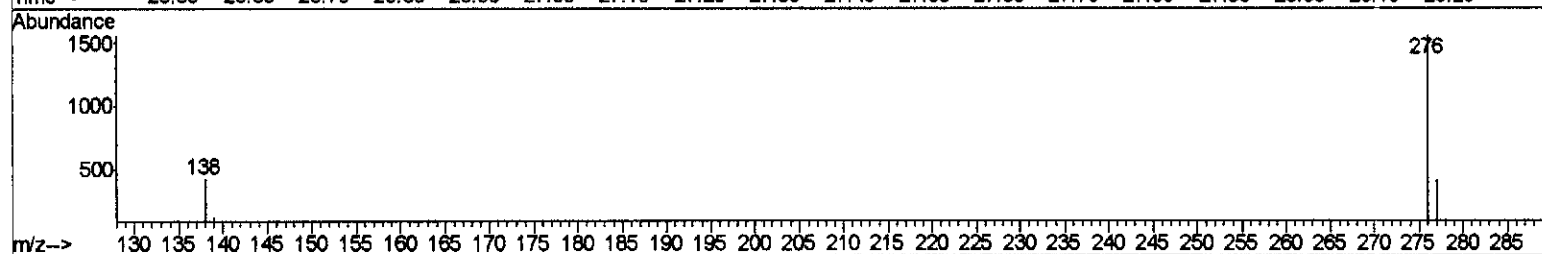
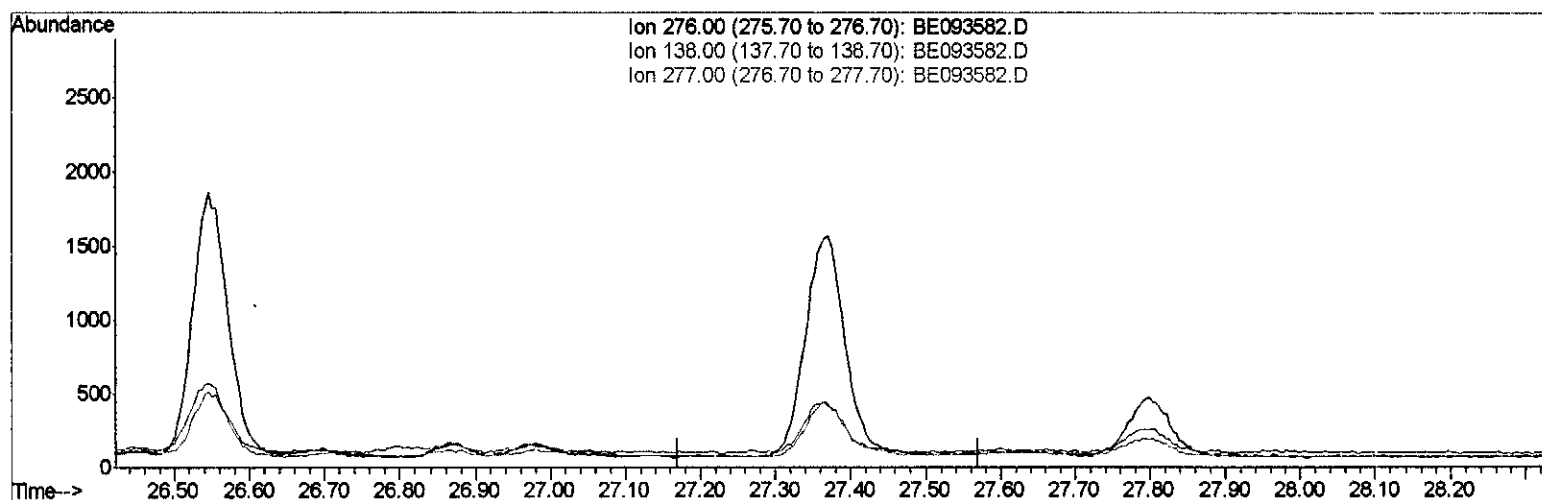
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093582.D
Acq On : 25 Jul 2017 18:04
Operator : SJ/JU
Sample : I4213-18
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B42

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration



TIC: BE093582.D

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

27.371min (-27.371) 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)

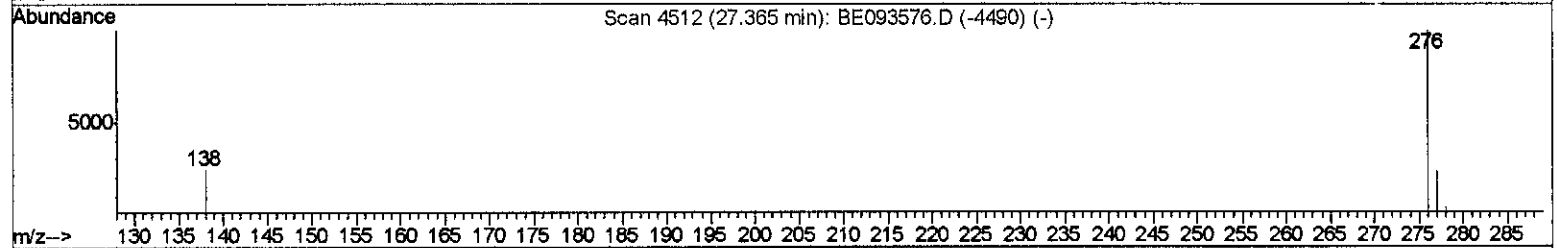
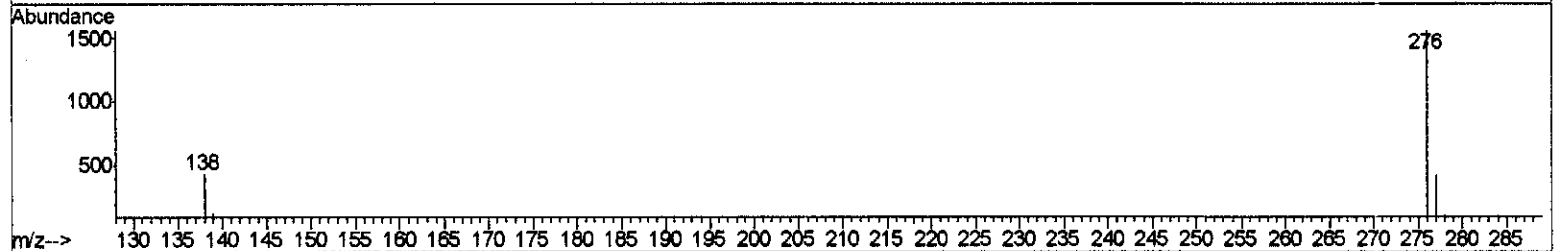
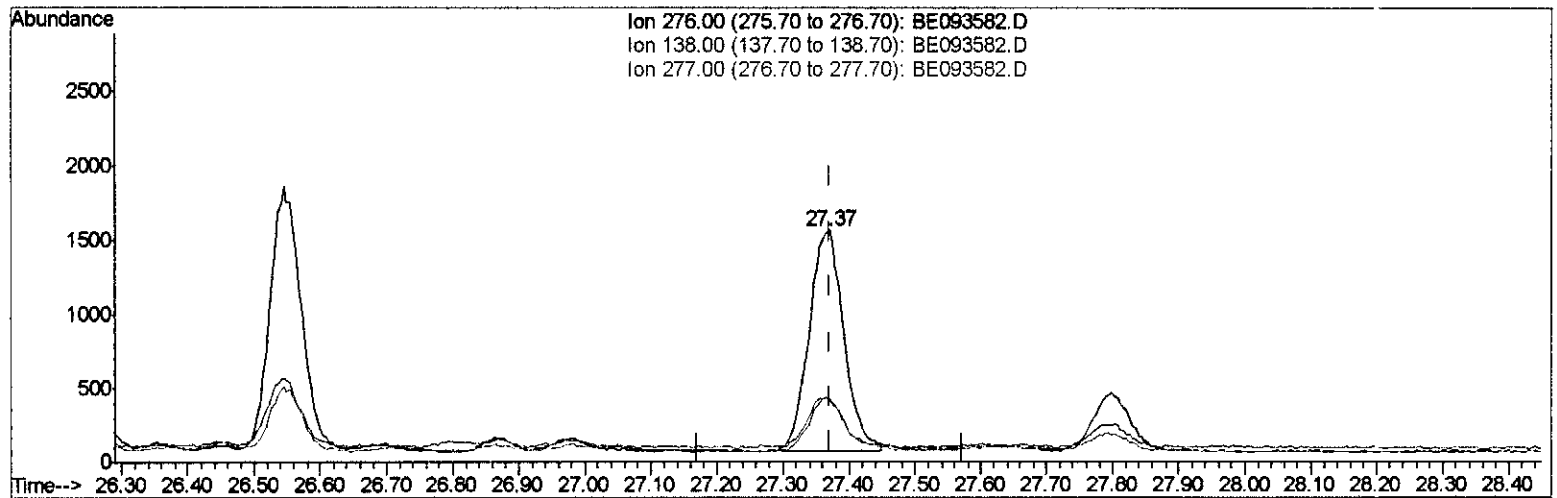
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093582.D
 Acq On : 25 Jul 2017 18:04
 Operator : SJ/JU
 Sample : I4213-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B42

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:53:20 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 18:00:47 2017
 Response via : Initial Calibration



TIC: BE093582.D

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

27.370min (-0.002) 0.10ng/ul m

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response 5450

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	27.43
277.00	25.60	26.79
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093582.D
 Acq On : 25 Jul 2017 18:04
 Operator : SJ/JU
 Sample : I4213-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B42

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:52 PM

Quant Time: Jul 25 18:56:24 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 18:00:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	2326	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	12530	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	8217	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20769m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	22638	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19051m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	5353	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	18378	0.28	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	1374	0.045	ng/ul#	90
12) Phenanthrene	17.29	178	5526	0.098	ng/ul#	88
13) Anthracene	17.38	178	1939	0.035	ng/ul#	77
15) Fluoranthene	19.30	202	17161	0.243	ng/ul	84
17) Pyrene	19.67	202	19294	0.292	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	9166	0.140	ng/ul#	87
19) Chrysene	21.45	228	8815	0.140	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	12371m	0.210	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	4774m	0.082	ng/ul	
23) Benzo(a)pyrene	23.81	252	9457m	0.169	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.54	276	5987m	0.097	ng/ul	
26) Benzo(g,h,i)perylene	27.37	276	5450m	0.105	ng/ul	

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