

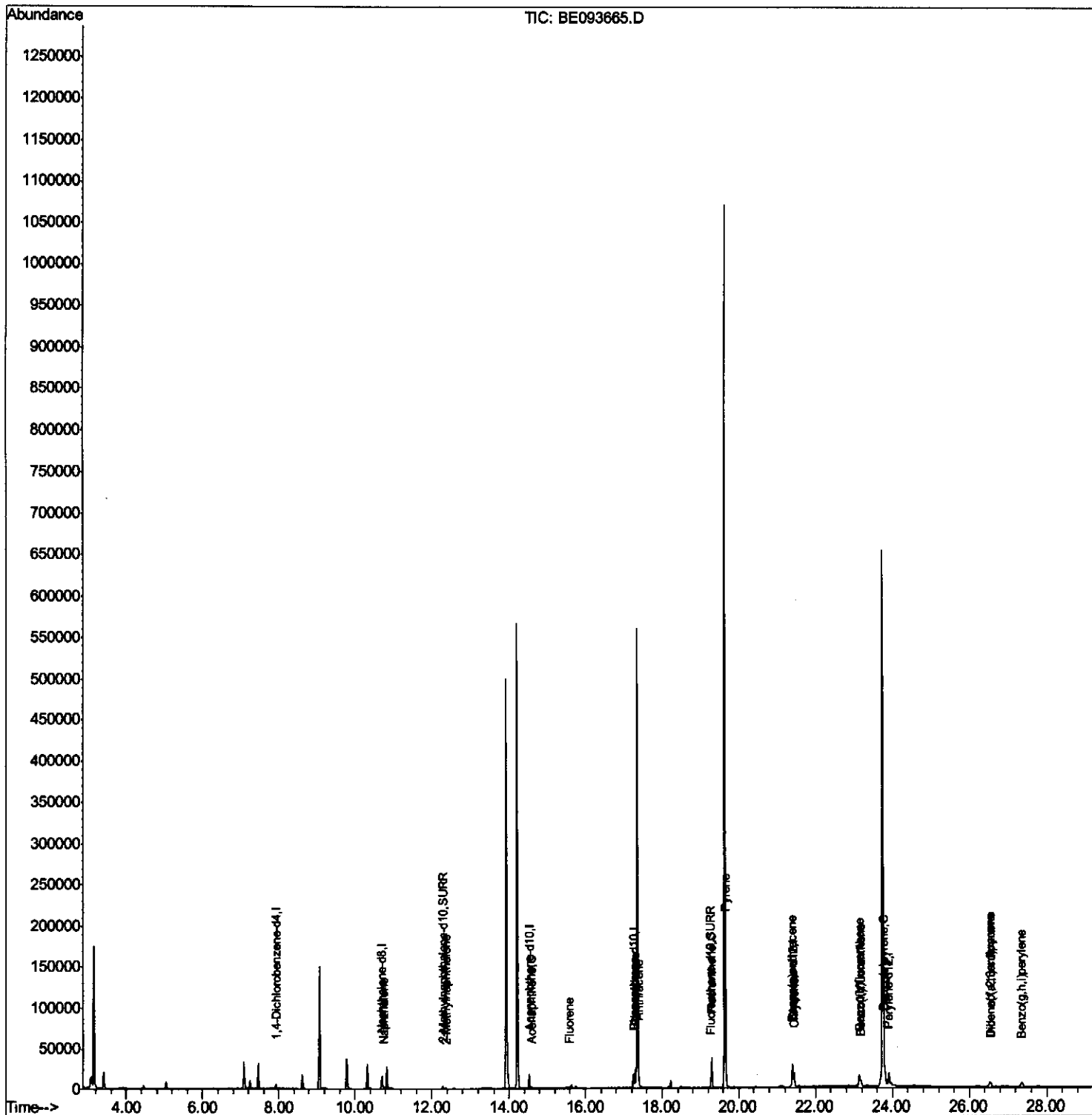
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:37:09 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



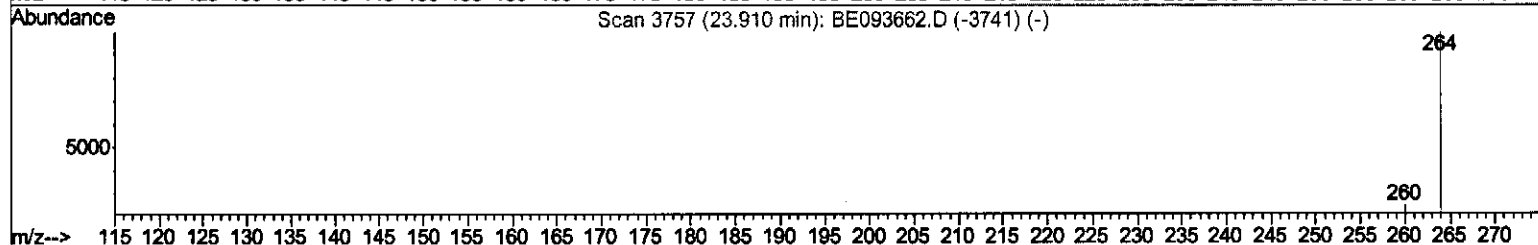
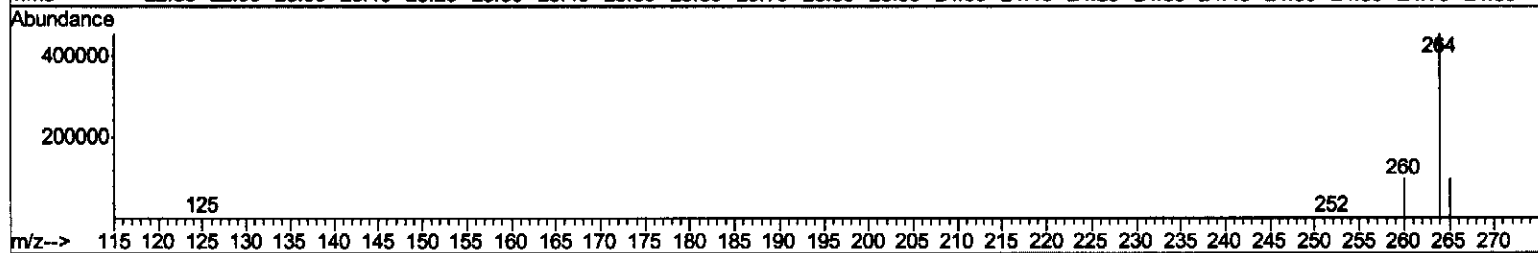
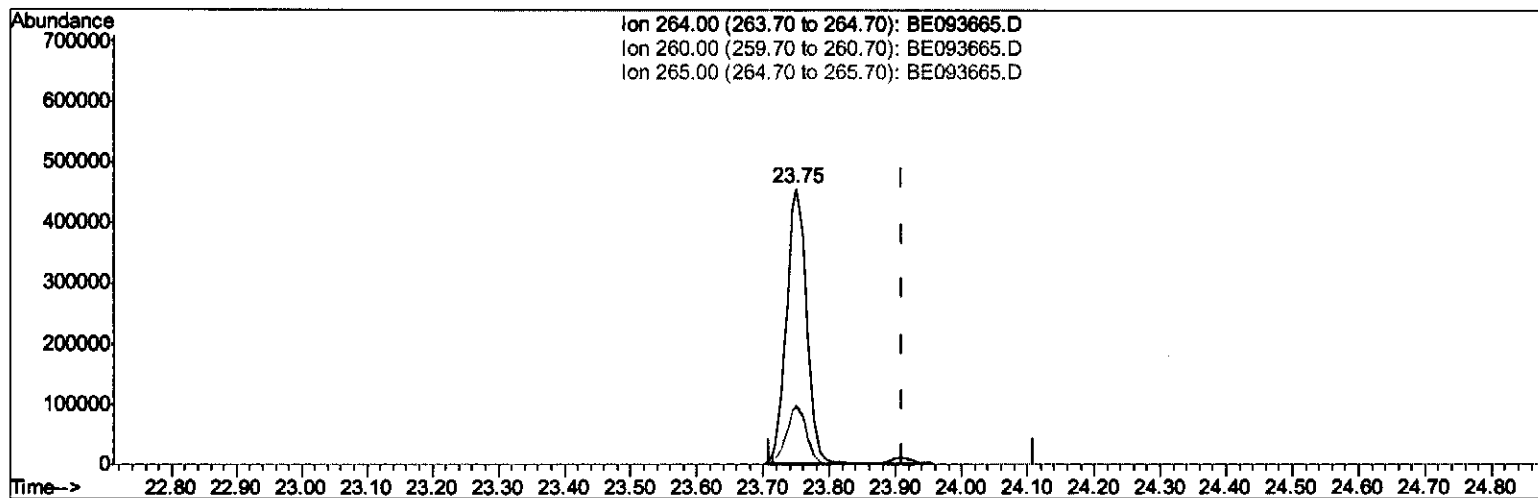
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:28:05 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093665.D

(20) Perylene-d12 (I)

23.750min (-0.160) 0.40ng/ui

response 954761

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.12#
265.00	103.50	21.65#
0.00	0.00	0.00

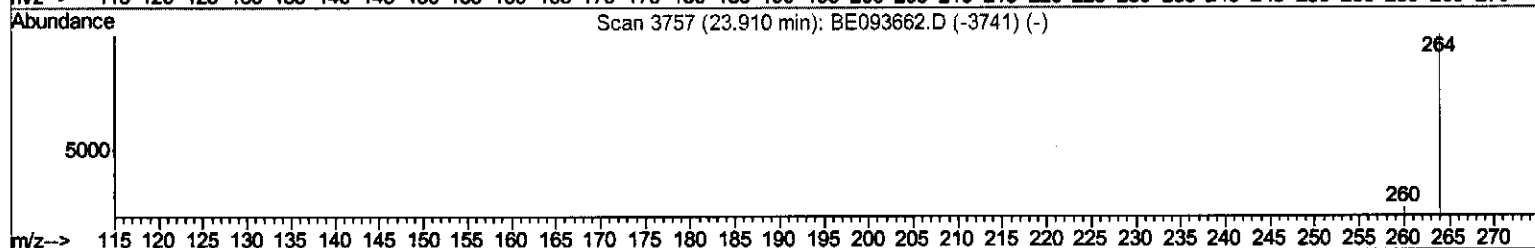
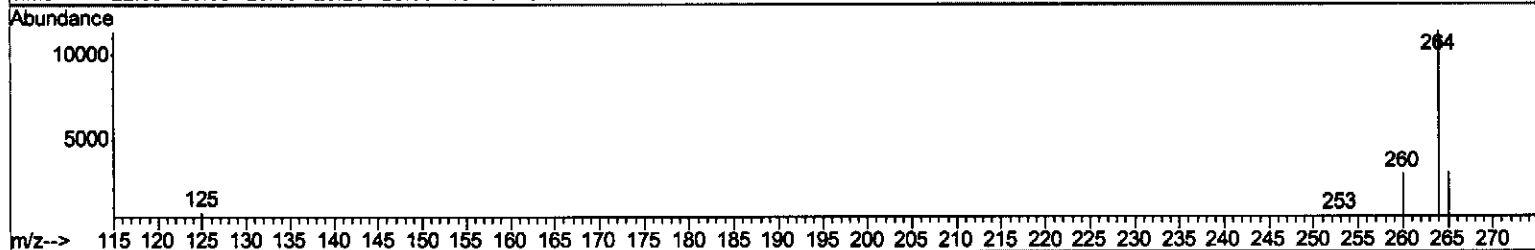
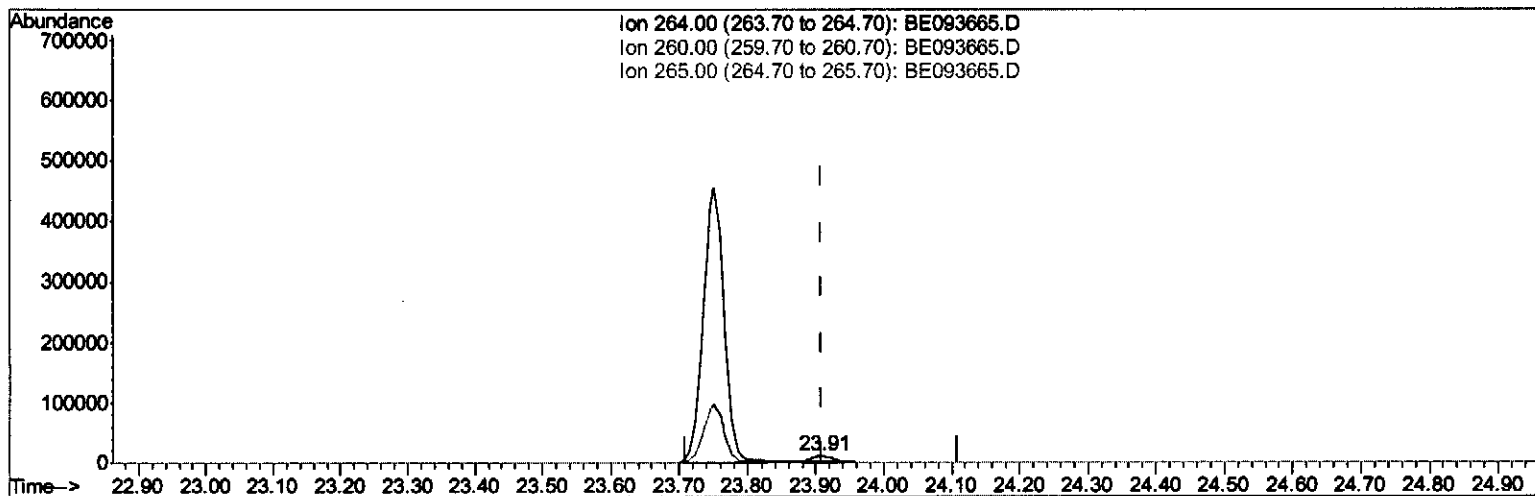
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:28:05 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093665.D

(20) Perylene-d12 (I)

23.909min (-0.000) 0.40ng/ul m

SJ 8/4/17

response 20616

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.12
265.00	103.50	26.34#
0.00	0.00	0.00

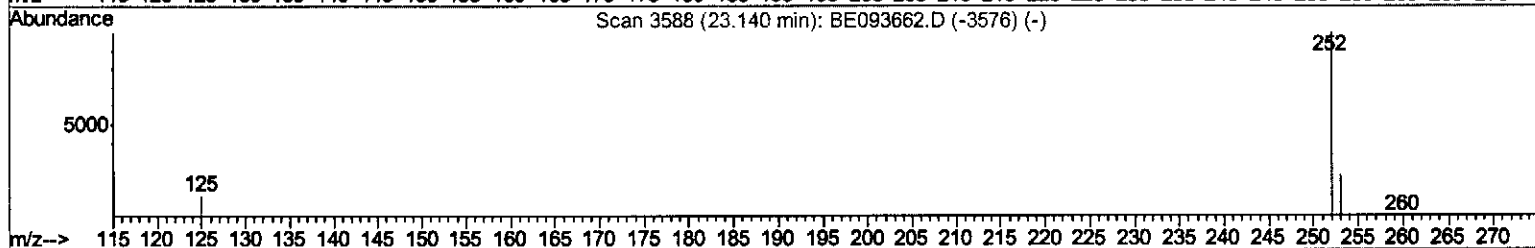
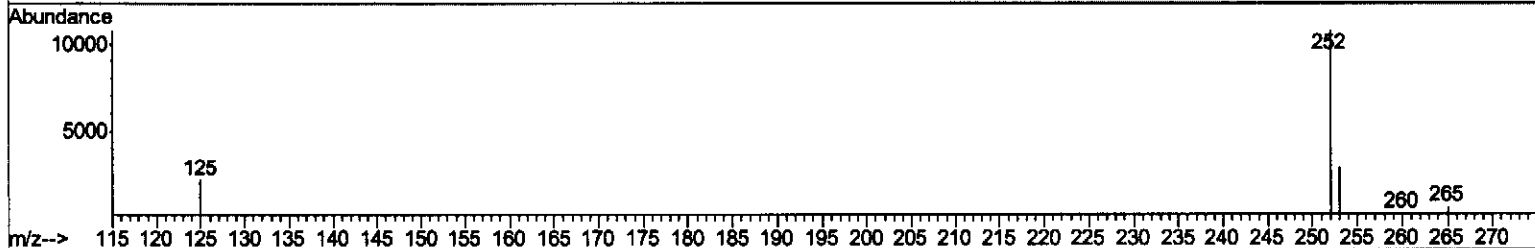
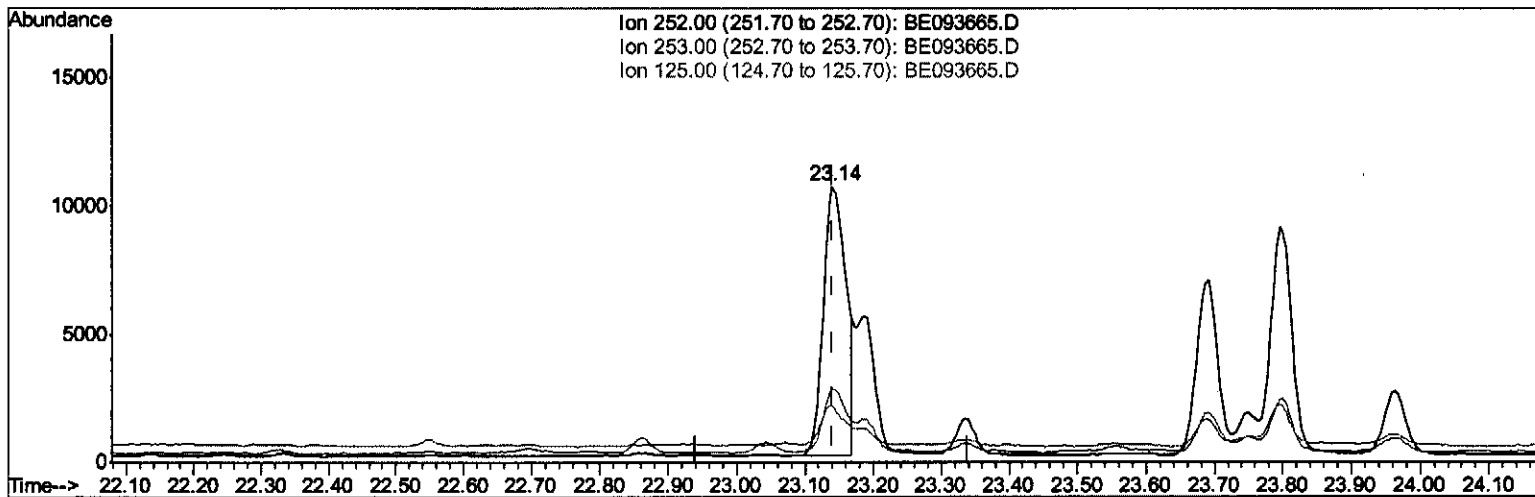
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093665.D

(21) Benzo(b)fluoranthene

23.140min (-0.000) 0.38ng/ul

response 23960

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.63
125.00	17.50	20.31
0.00	0.00	0.00

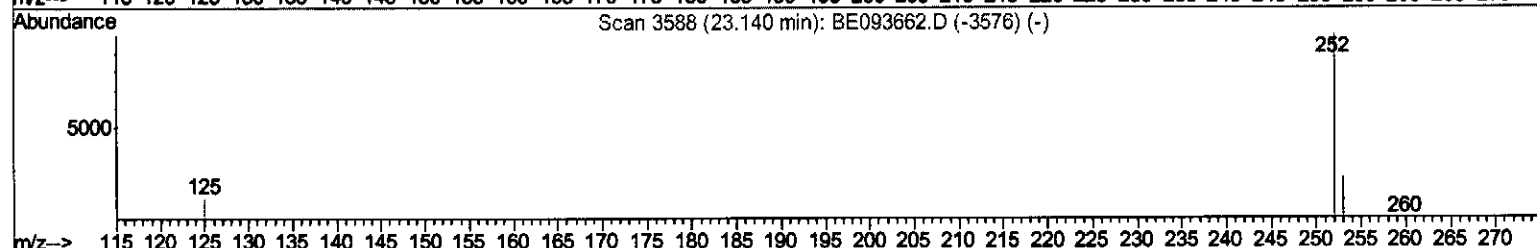
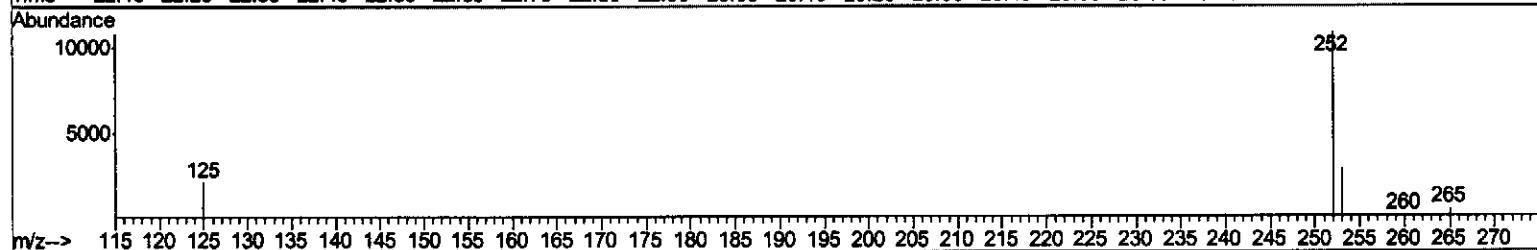
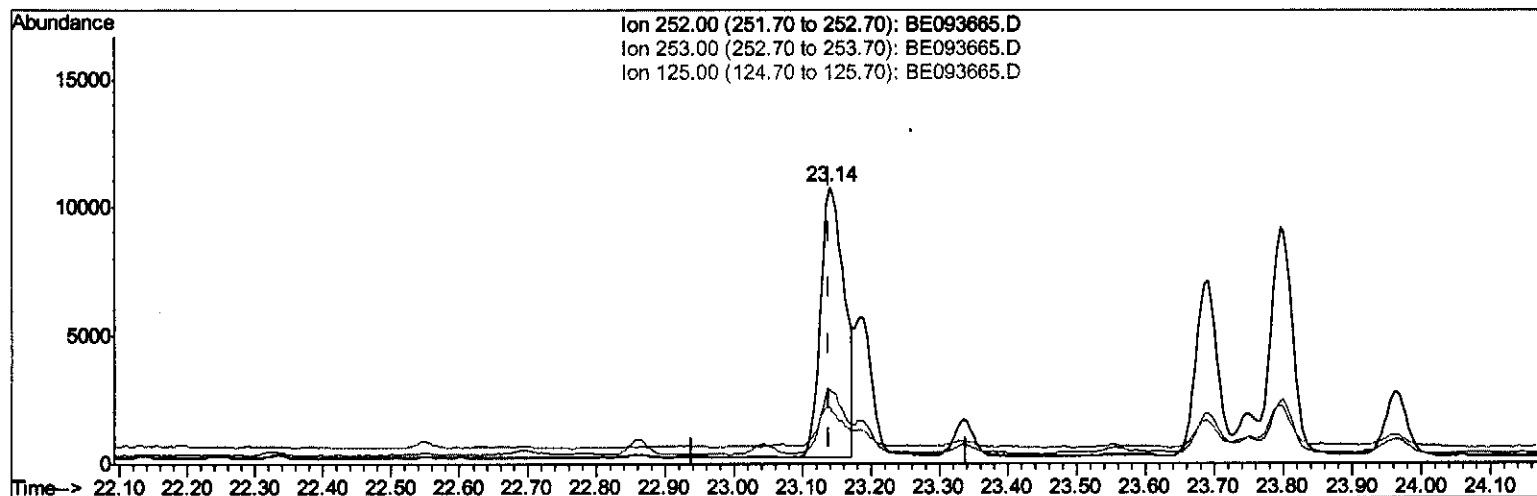
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093665.D

(21) Benzo(b)fluoranthene

23.140min (-0.000) 0.40ng/ul m

SJ 8/4/17

response 25306

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.63
125.00	17.50	20.31
0.00	0.00	0.00

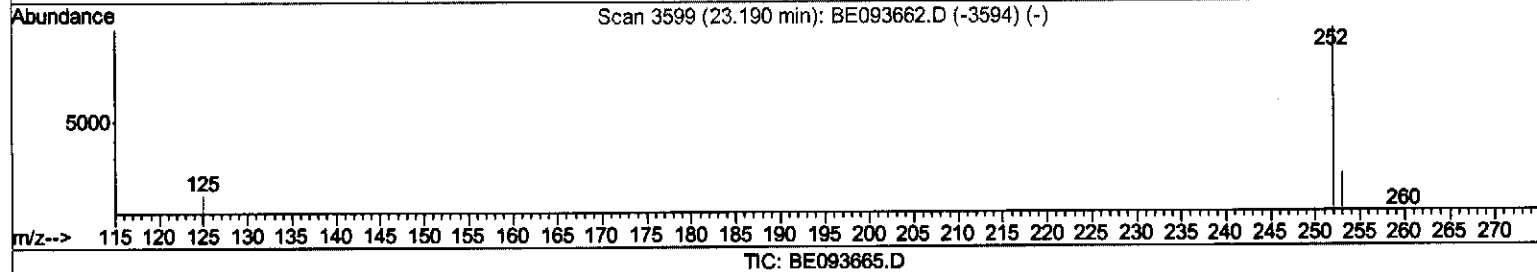
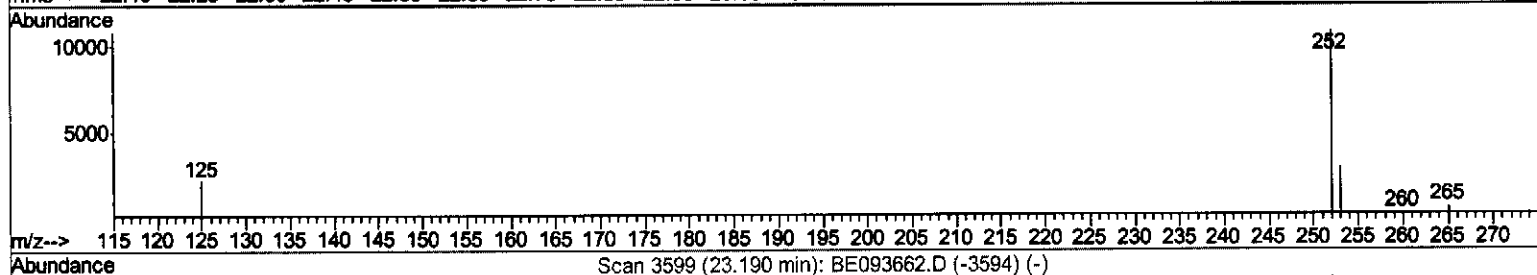
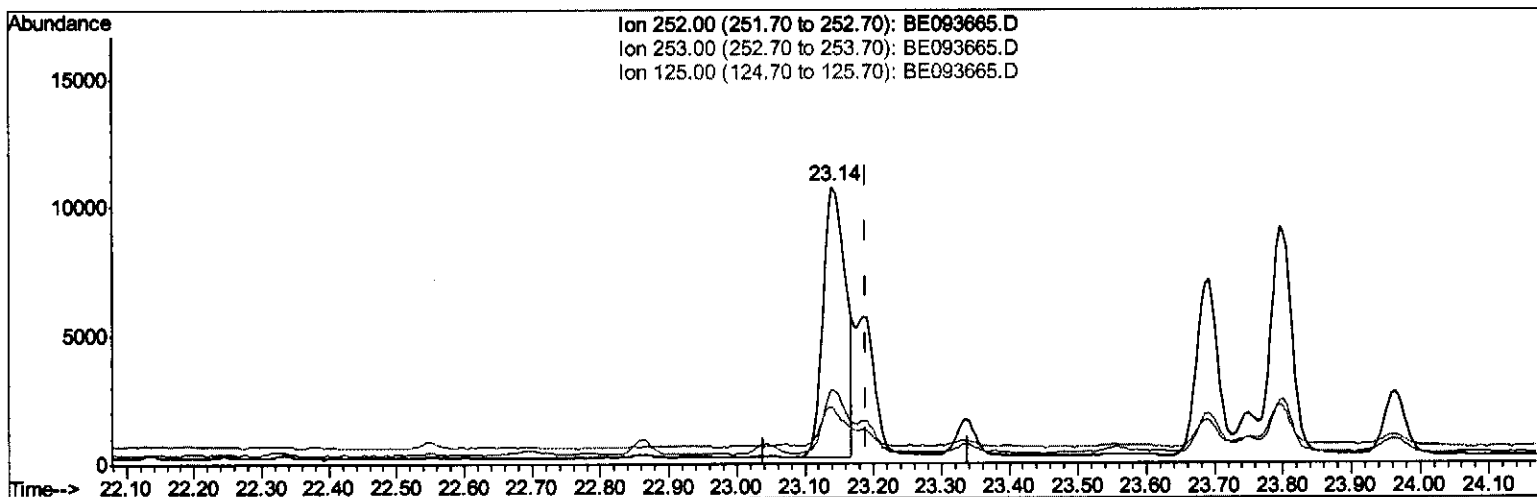
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.140min (-0.050) 0.38ng/ul

response 23960

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.63
125.00	17.10	20.31
0.00	0.00	0.00

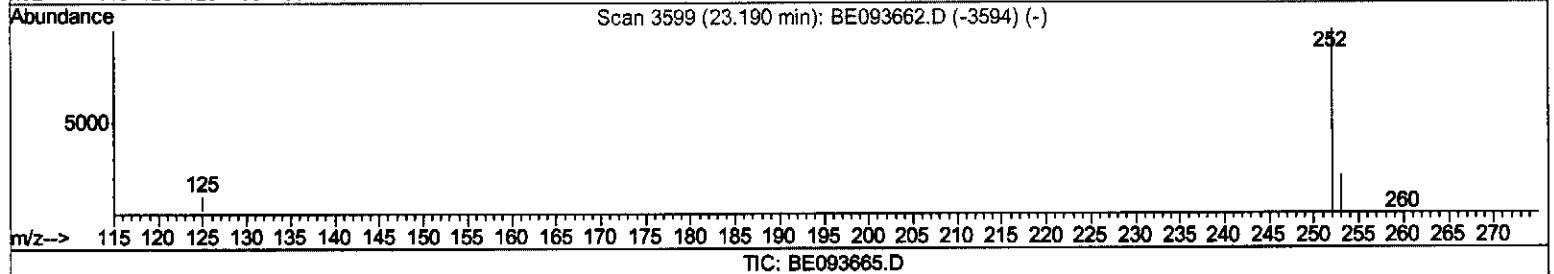
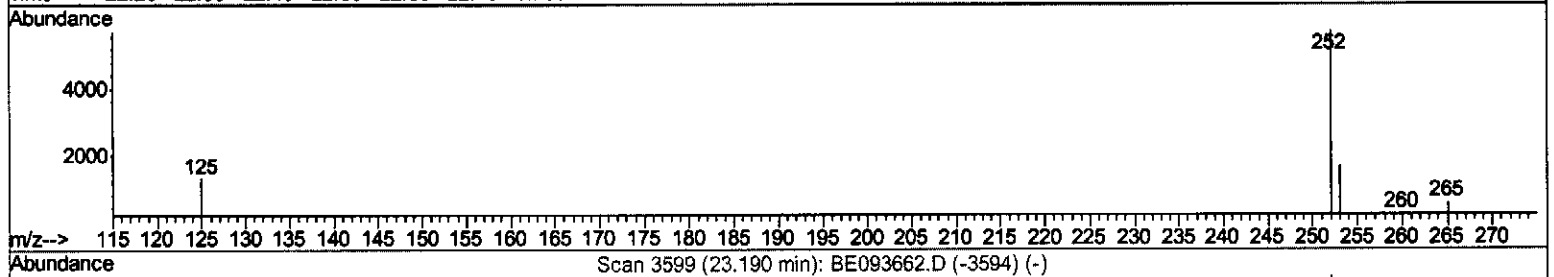
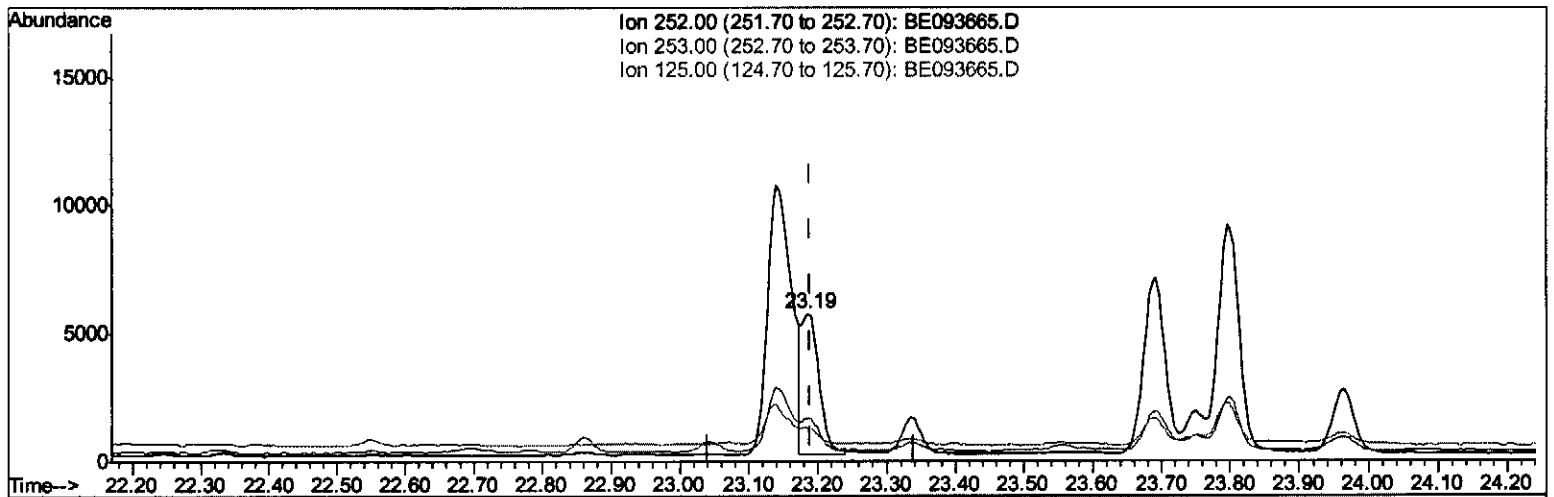
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.185min (-0.005) 0.16ng/ul m

response 9922

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.76
125.00	17.10	22.87#
0.00	0.00	0.00

SJ 8/4/17

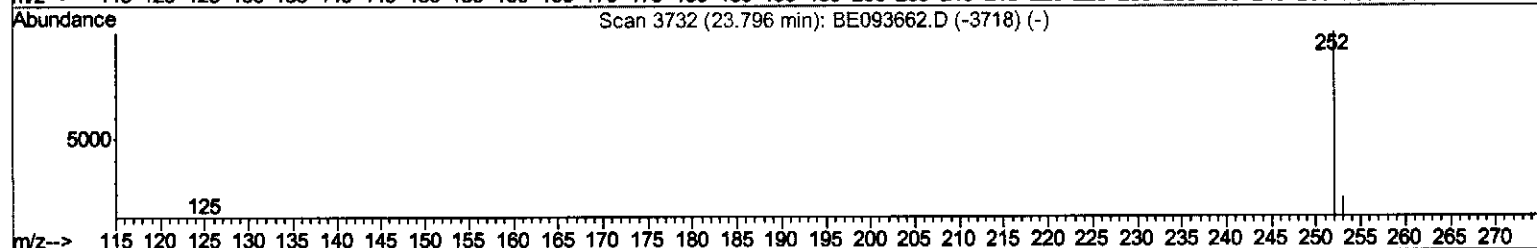
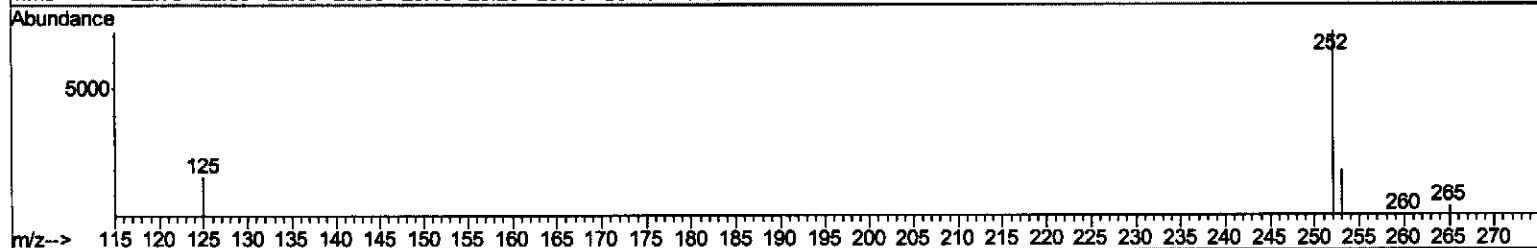
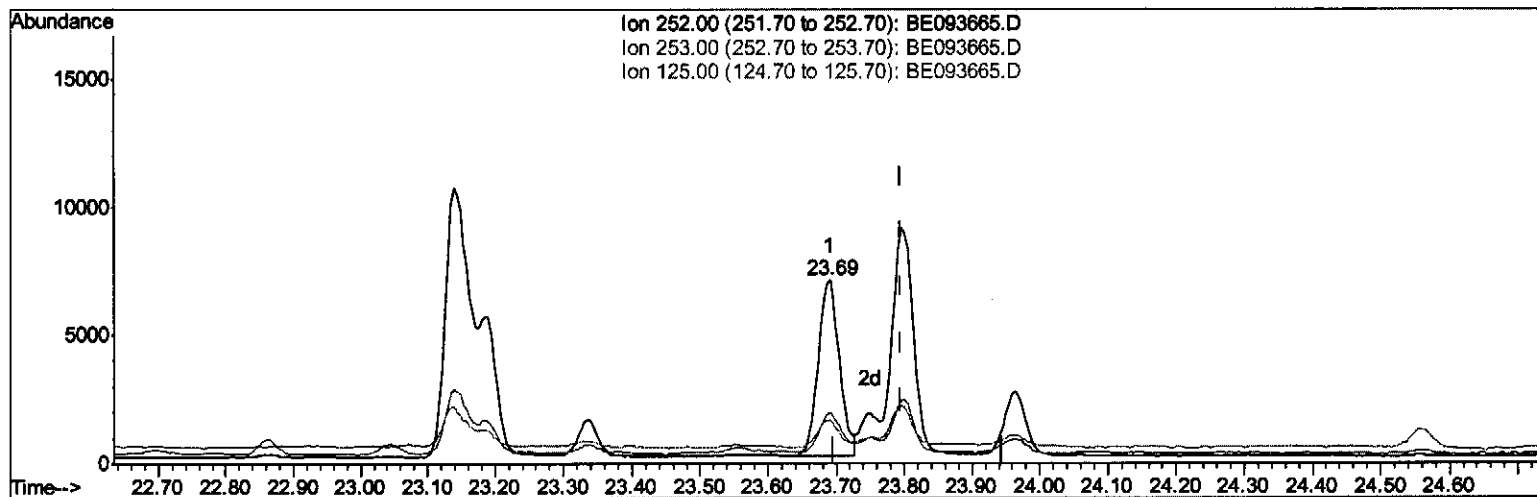
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093665.D

(23) Benzo(a)pyrene (C)

23.691min (-0.105) 0.25ng/ul

response 15122

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.30#
125.00	22.60	23.64
0.00	0.00	0.00

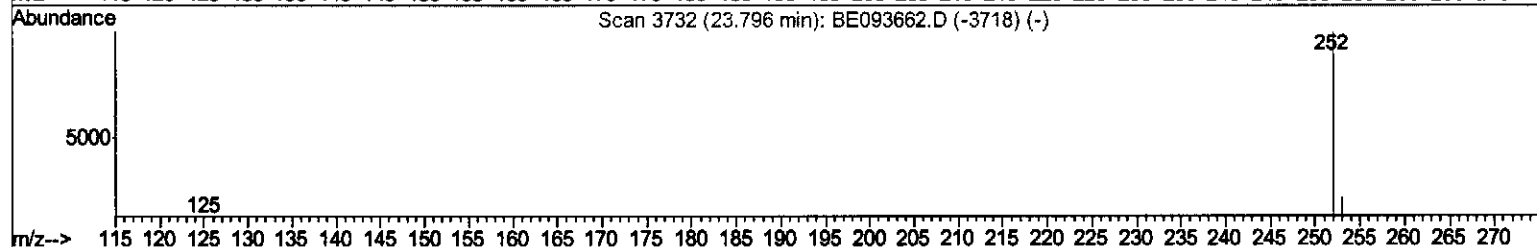
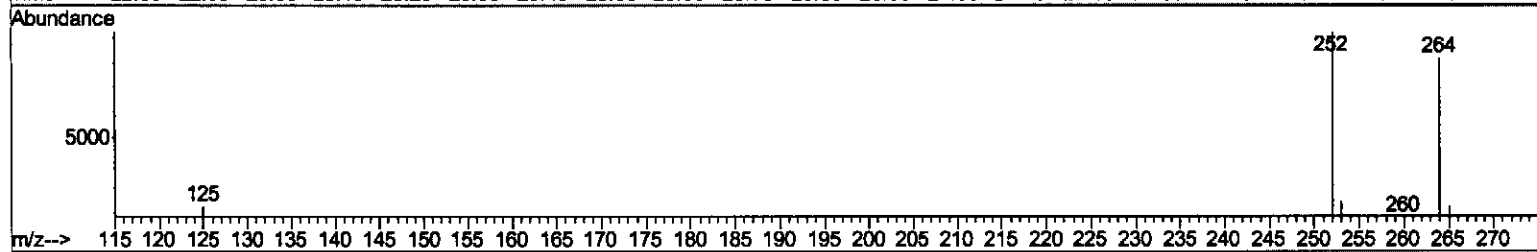
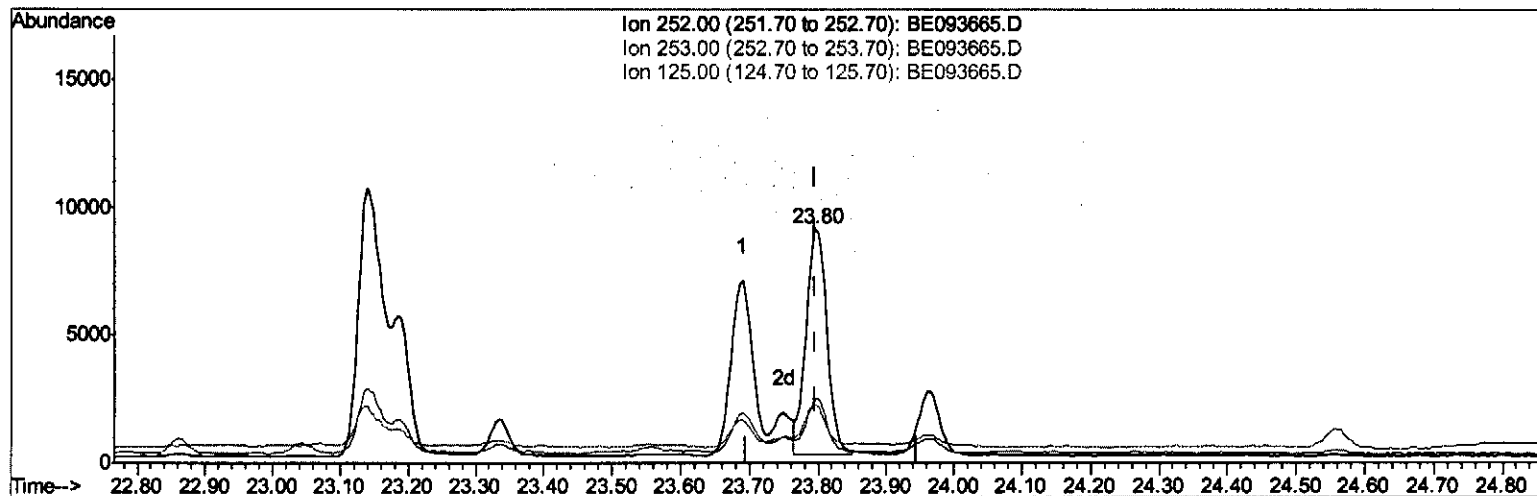
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093665.D

(23) Benzo(a)pyrene (C)

23.795min (-0.000) 0.31ng/ul m

response 18958

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.45#
125.00	22.60	24.68
0.00	0.00	0.00

SJ 8/4/17

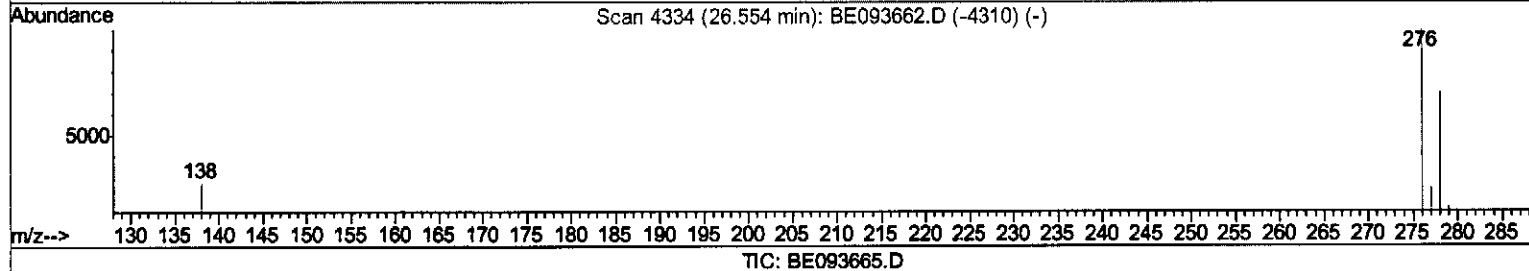
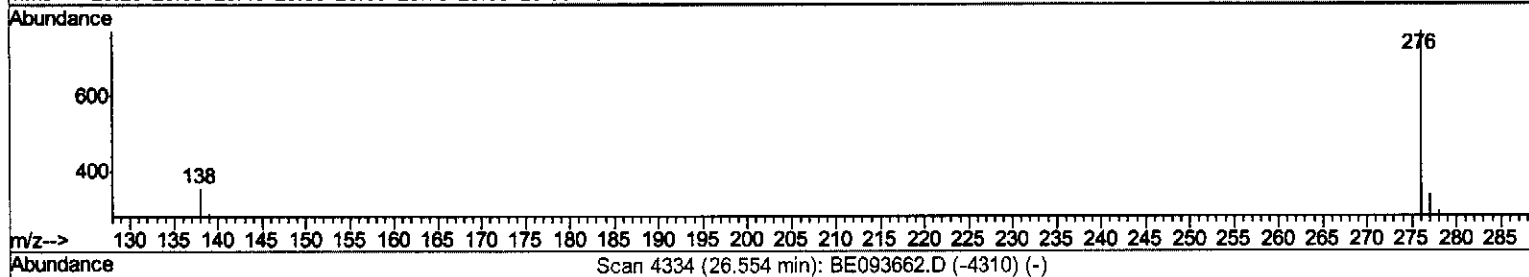
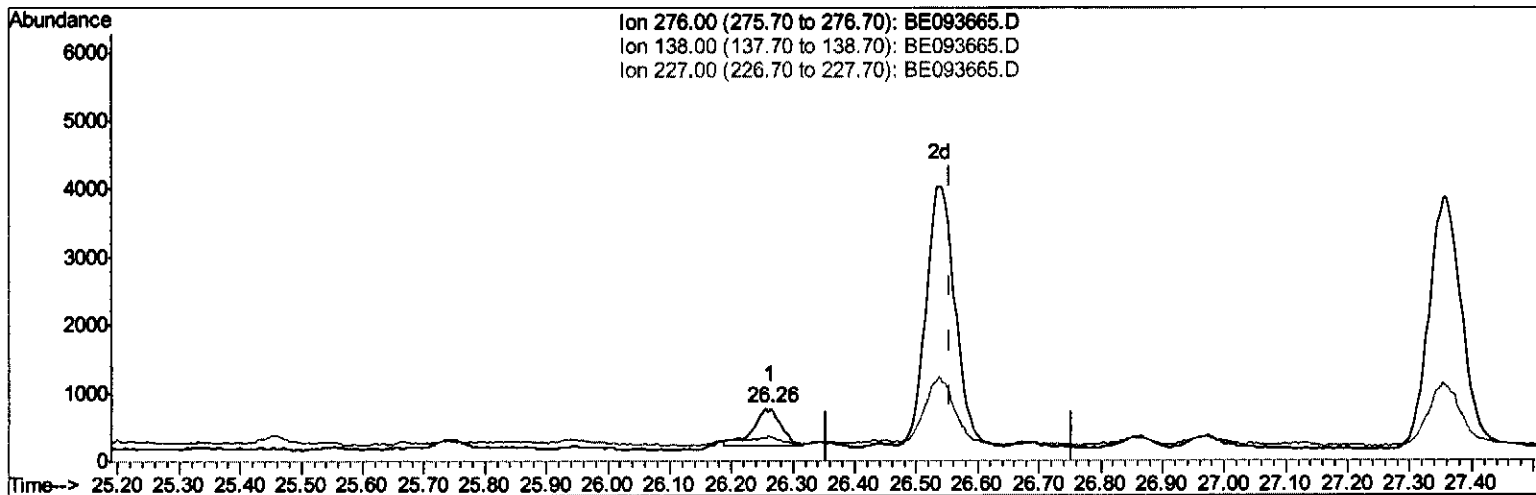
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
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(24) Indeno(1,2,3-cd)pyrene

26.264min (-0.290) 0.03ng/ul

response 1697

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	18.44#
227.00	10.00	0.00#
0.00	0.00	0.00

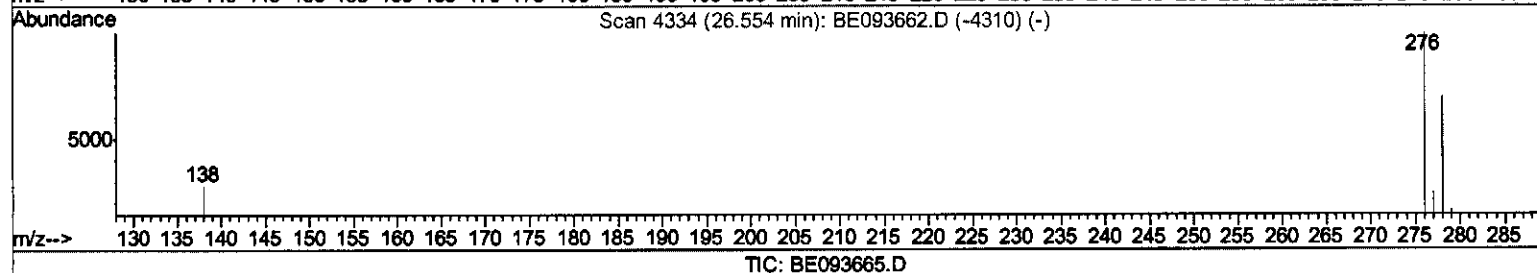
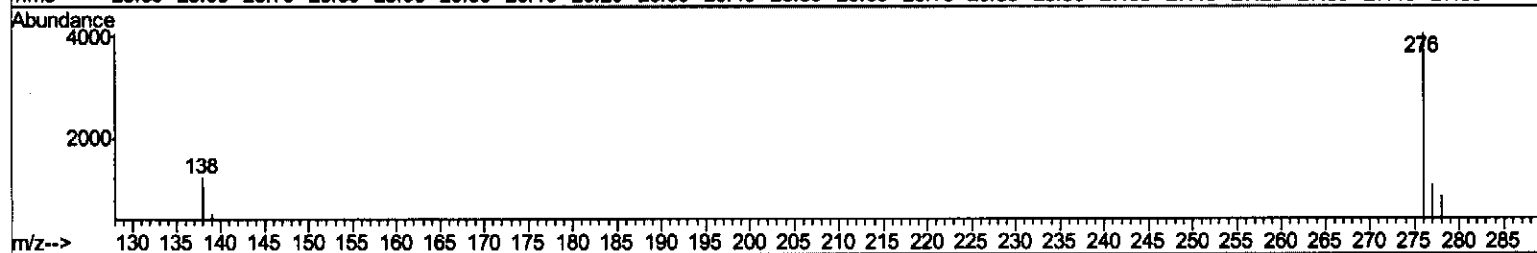
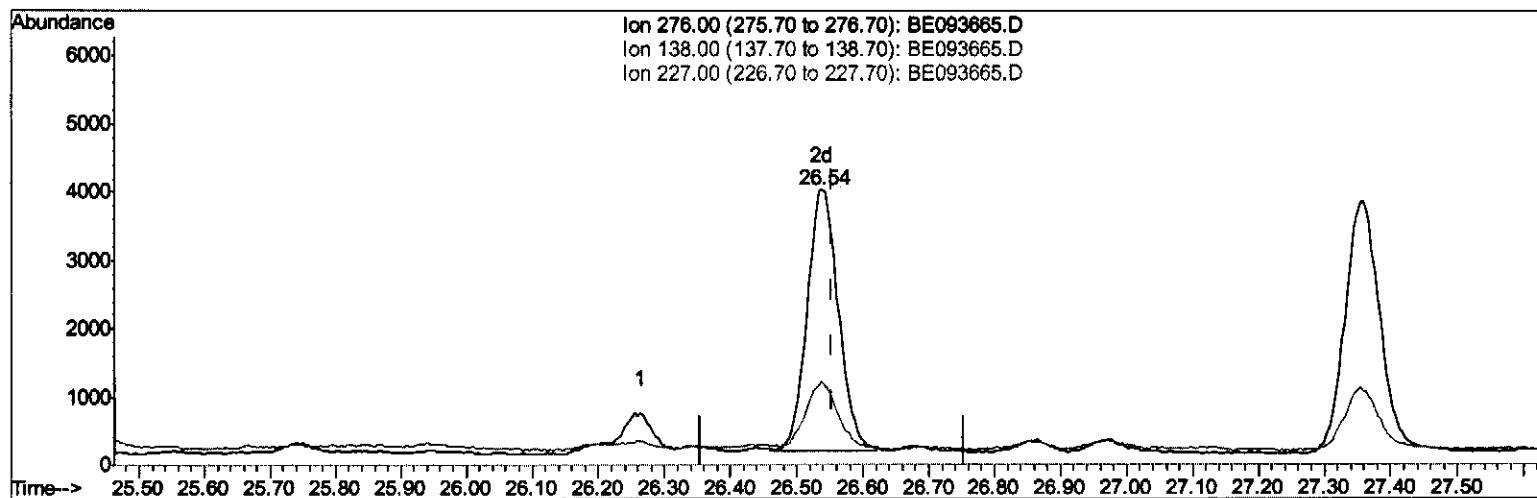
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



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

26.538min (-0.017) 0.19ng/ul m

SJ 8/4/17

response 12598

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	2.48#
227.00	10.00	0.00#
0.00	0.00	0.00

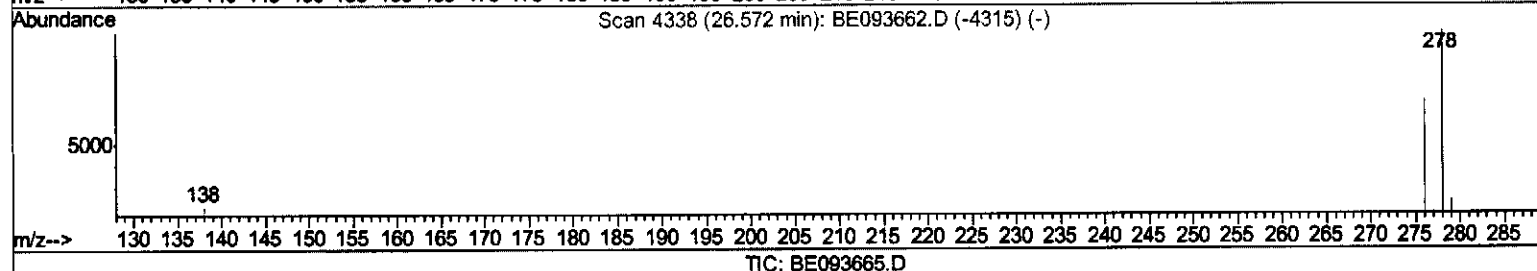
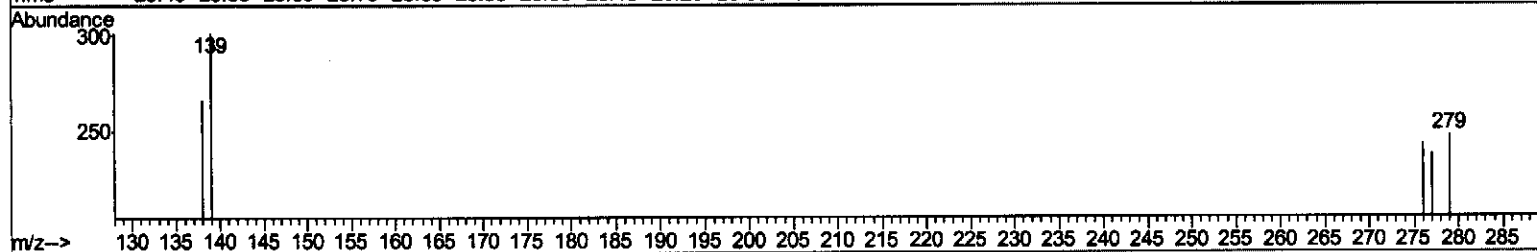
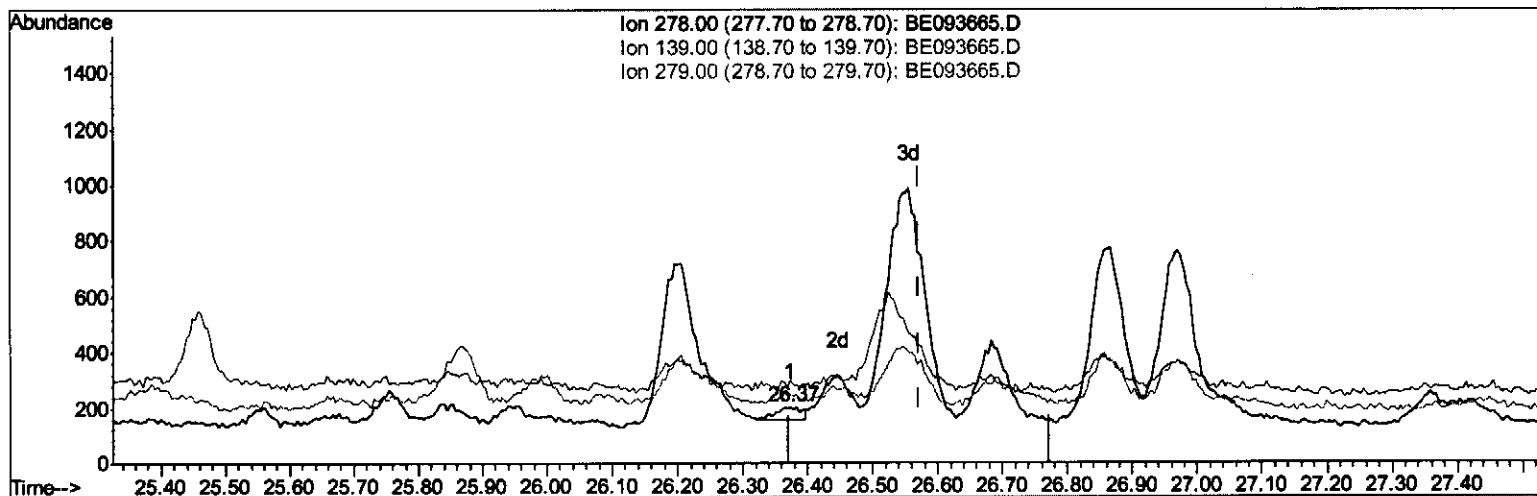
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Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
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(25) Dibenzo(a,h)anthracene

26.374min (-0.199) 0.00ng/ui

response 136

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	146.83#
279.00	32.40	120.49#
0.00	0.00	0.00

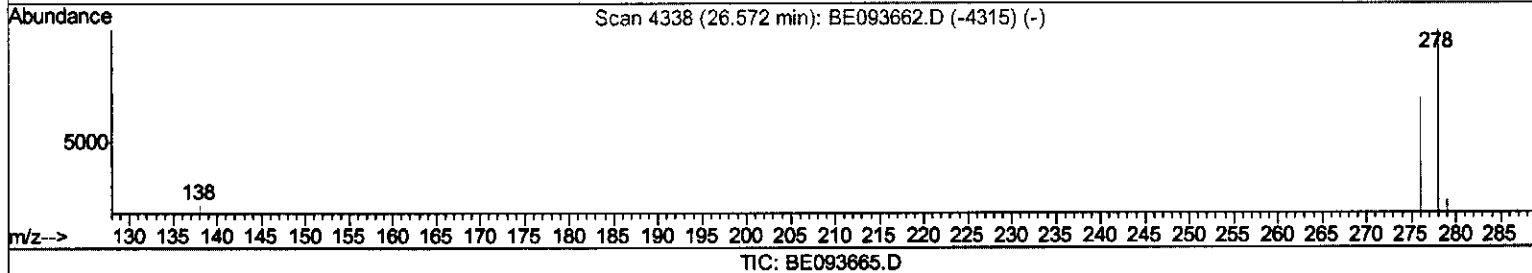
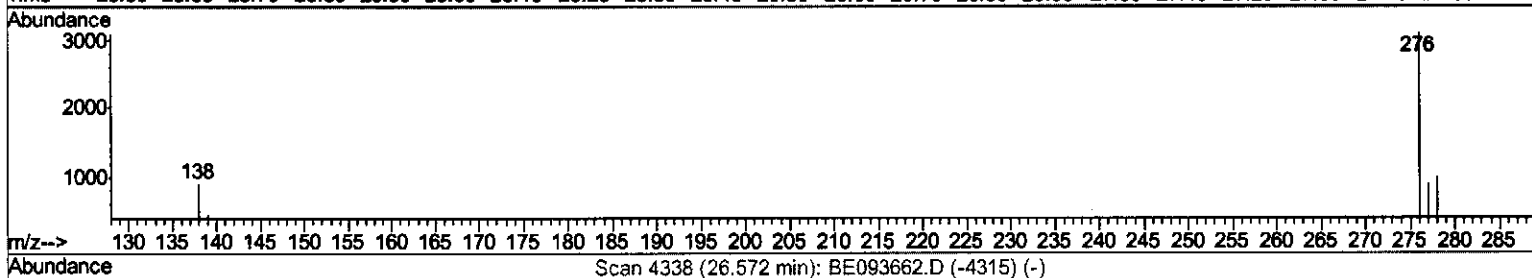
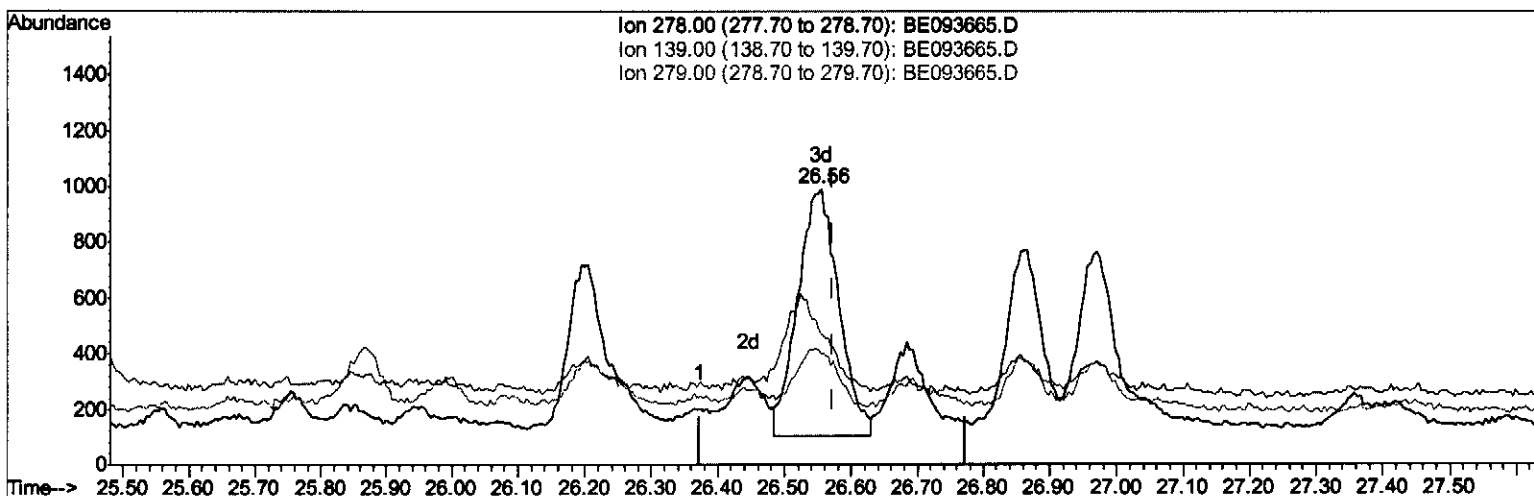
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Data File : BE093665.D
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Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 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



(25) Dibenzo(a,h)anthracene

26.556min (-0.017) 0.07ng/ul m

response 3809

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	47.12#
279.00	32.40	40.57#
0.00	0.00	0.00

SJ 8/4/17

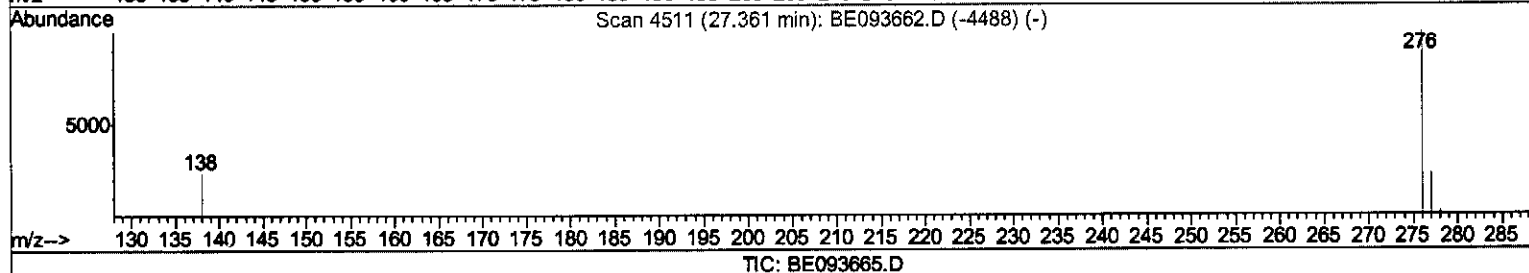
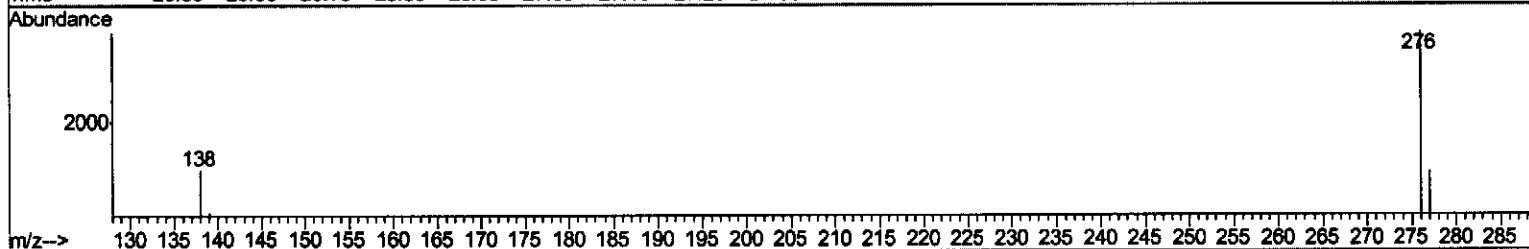
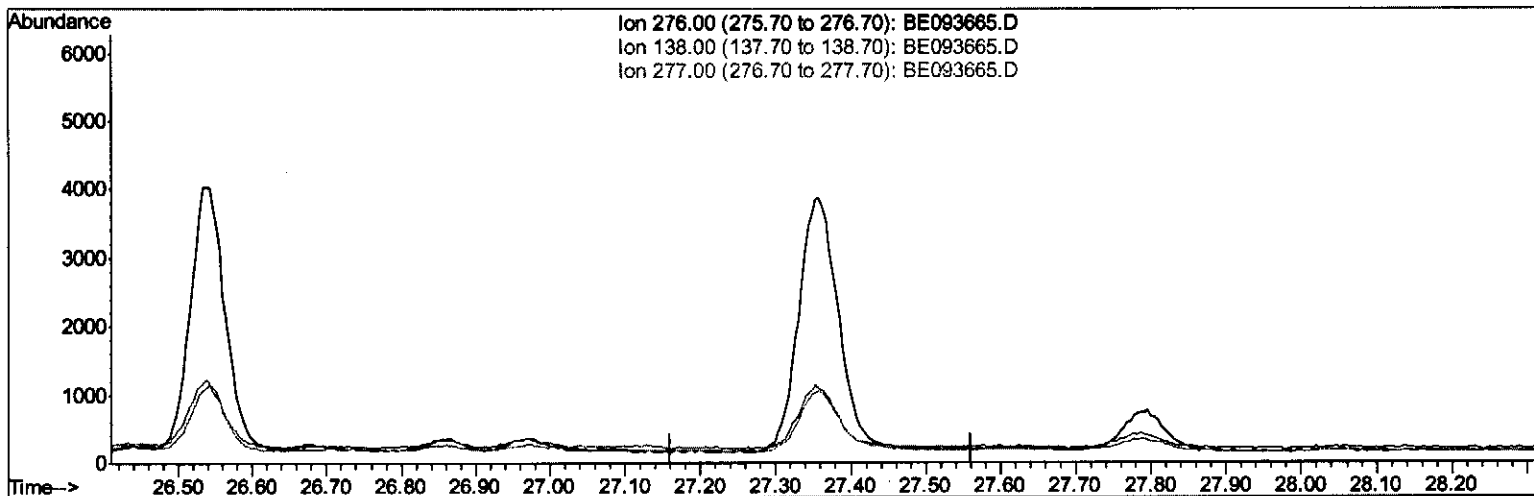
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
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C0AA4

Manual Integrations
APPROVED

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

27.361min (-27.361) 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

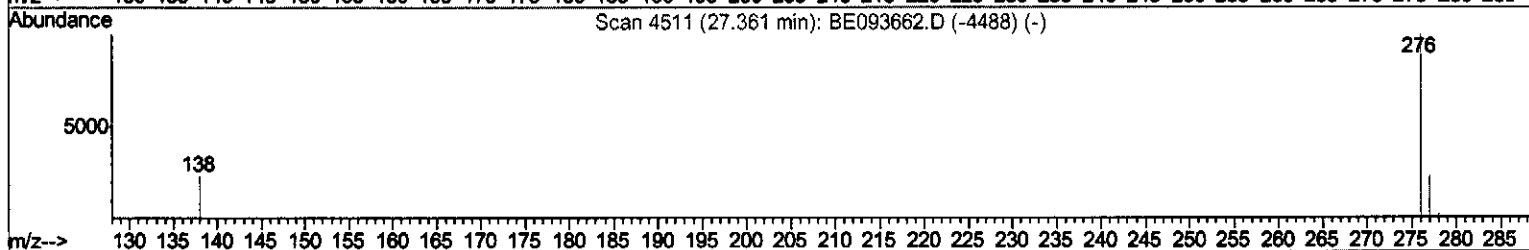
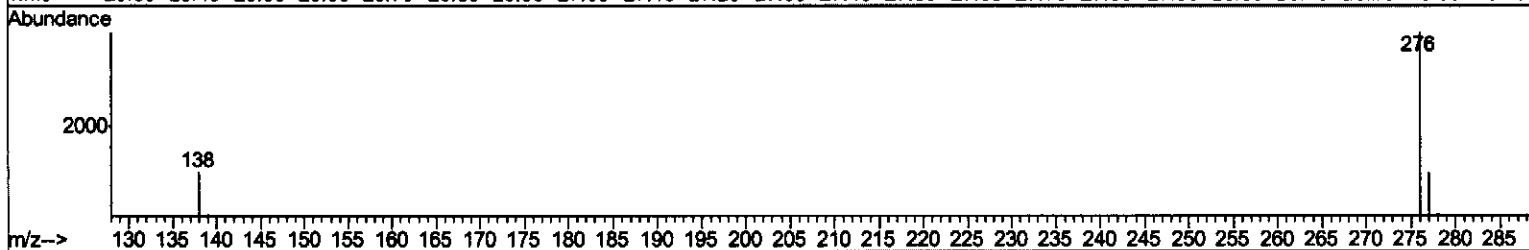
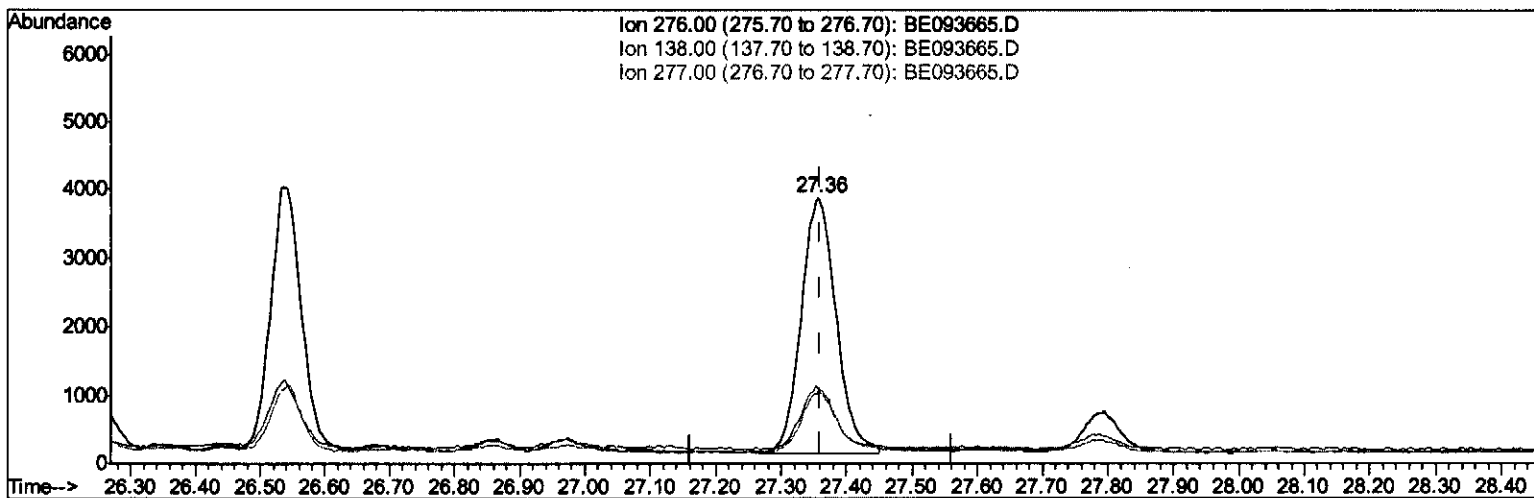
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093665.D
Acq On : 4 Aug 2017 11:15
Operator : SJ/JU
Sample : I4373-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:34:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093665.D

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

27.358min (-0.003) 0.24ng/ul m

SJ 8/4/17

response 13772

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	27.81
277.00	25.60	27.14
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
 Data File : BE093665.D
 Acq On : 4 Aug 2017 11:15
 Operator : SJ/JU
 Sample : I4373-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA4

Manual Integrations
 APPROVED

Sohil
 8/4/2017 5:28:07 PM

Quant Time: Aug 04 16:37:09 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 16:09:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3224	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	16324	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	9878	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	22010	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	23817	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	20616m	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	4328	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	12751	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	1118	0.028	ng/ul#	88
5) 2-Methylnaphthalene	12.36	142	924	0.032	ng/ul	97
8) Acenaphthene	14.59	153	931	0.029	ng/ul	97
9) Fluorene	15.57	166	1070	0.026	ng/ul#	96
12) Phenanthrene	17.29	178	24981	0.417	ng/ul#	89
13) Anthracene	17.38	178	5056	0.087	ng/ul#	92
15) Fluoranthene	19.30	202	40805	0.544	ng/ul	84
17) Pyrene	19.66	202	37181	0.535	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	17513	0.254	ng/ul#	88
19) Chrysene	21.44	228	19033	0.287	ng/ul	96
21) Benzo(b)fluoranthene	23.14	252	25306m	0.397	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	9922m	0.158	ng/ul	
23) Benzo(a)pyrene	23.80	252	18958m	0.313	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.54	276	12598m	0.188	ng/ul	
25) Dibenzo(a,h)anthracene	26.56	278	3809m	0.068	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	13772m	0.244	ng/ul	

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