

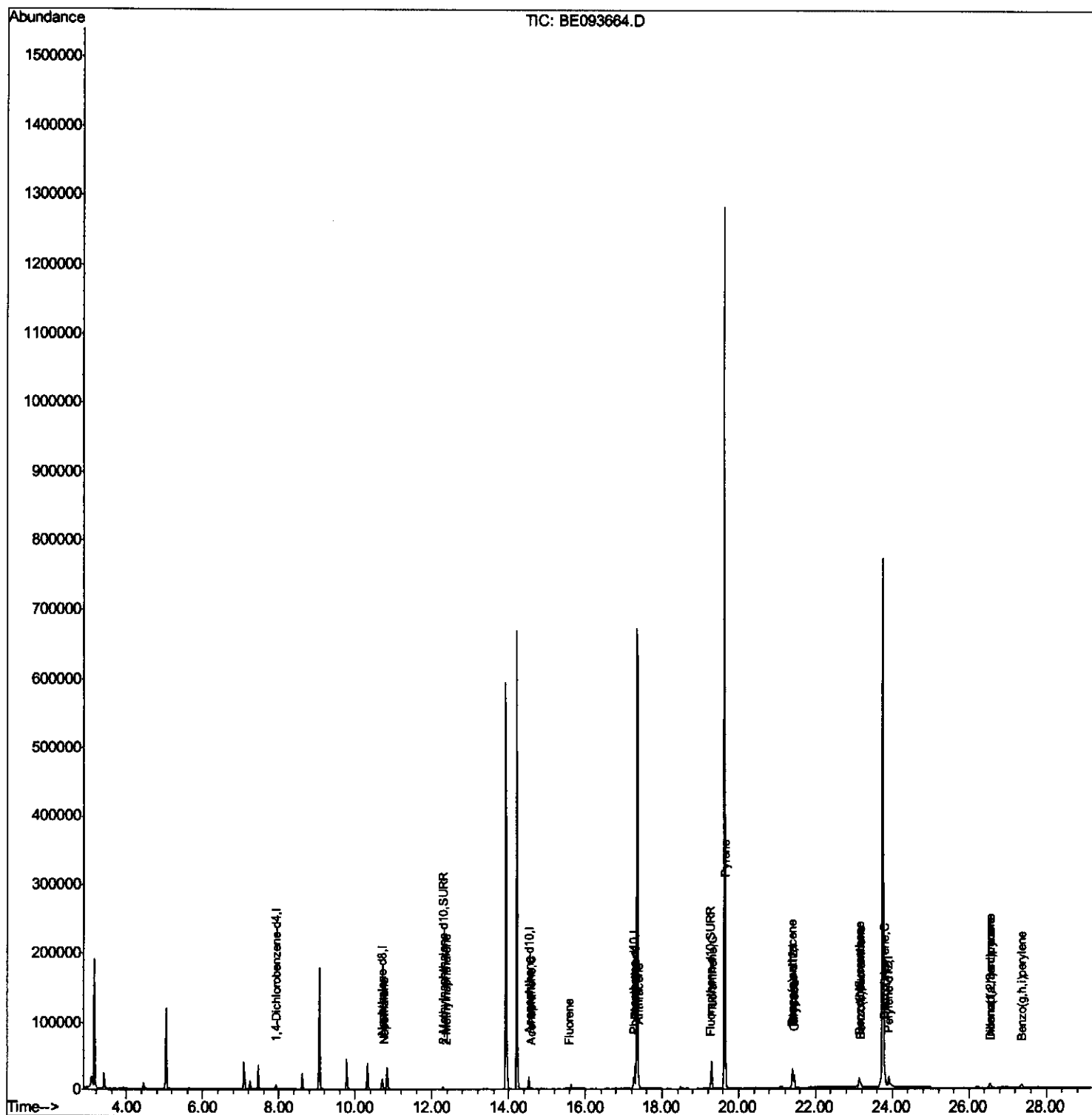
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:26:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



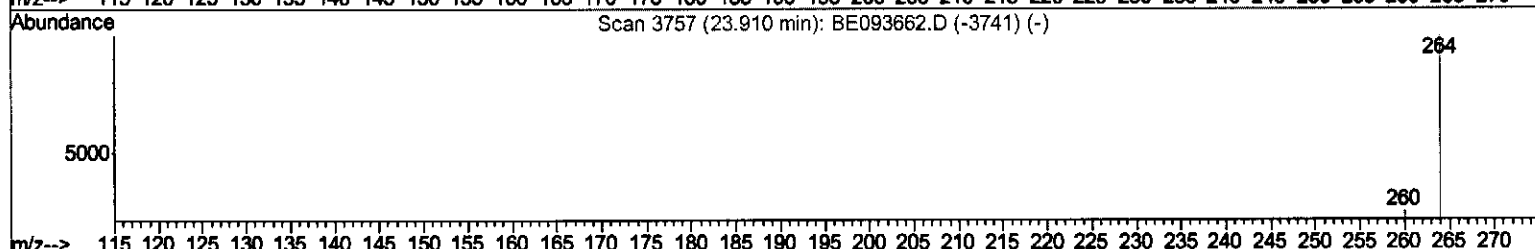
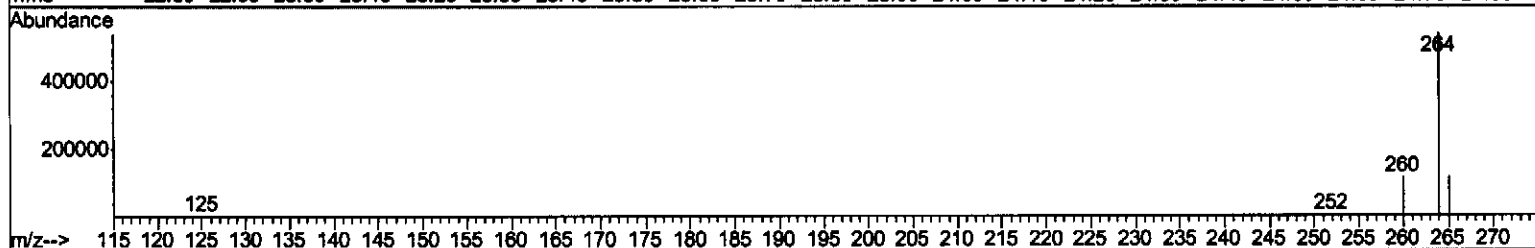
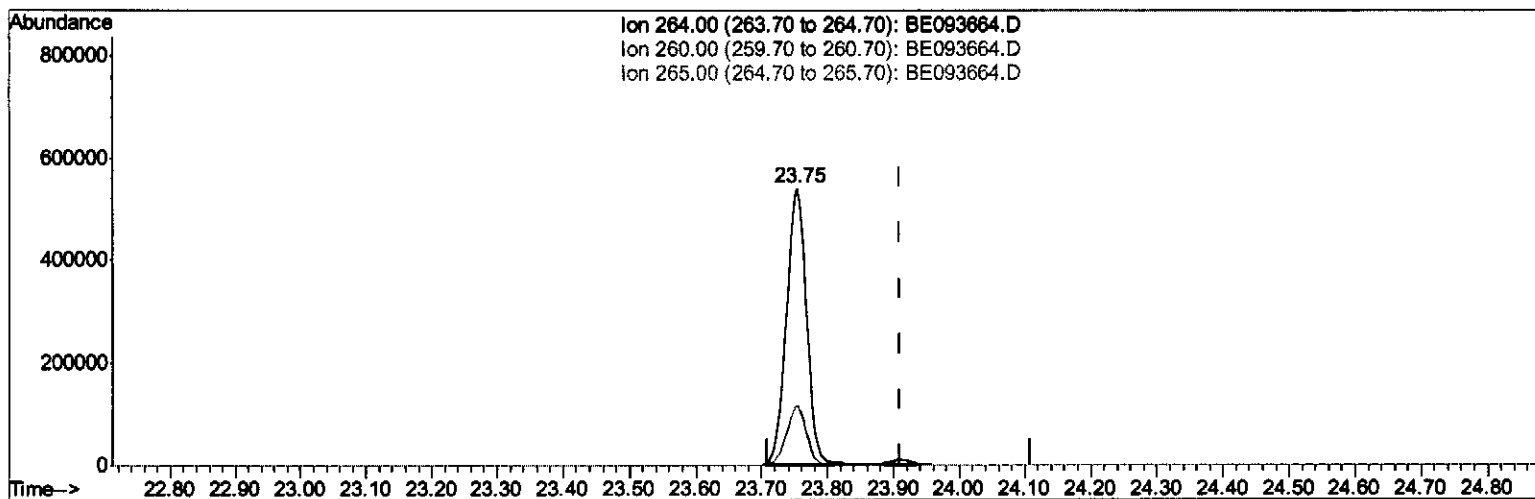
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:21:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093664.D

(20) Perylene-d12 (I)

23.754min (-0.155) 0.40ng/ui

response 1129532

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.22#
265.00	103.50	21.52#
0.00	0.00	0.00

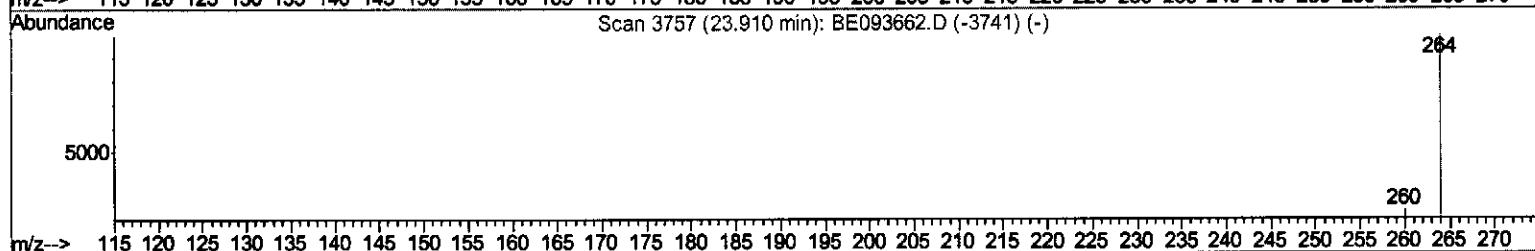
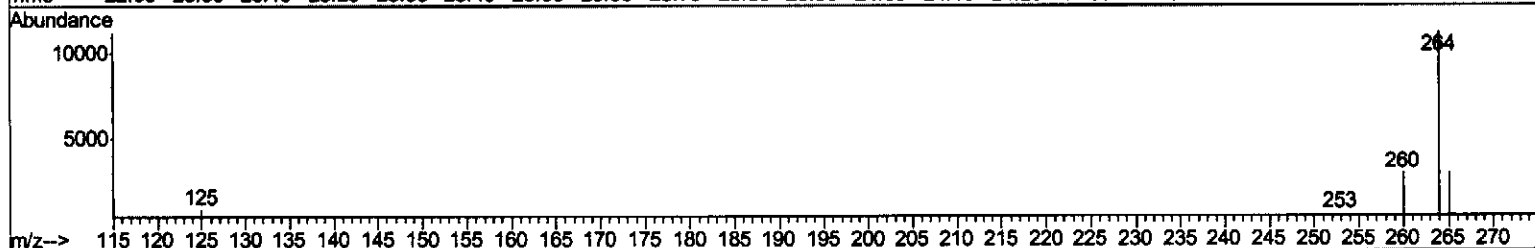
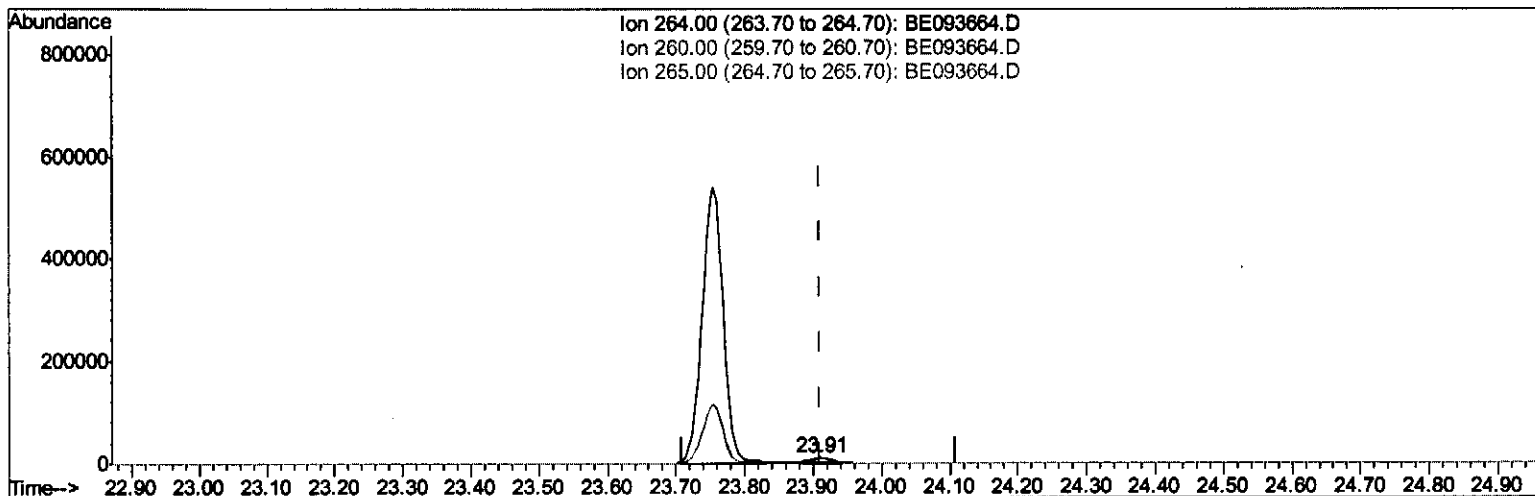
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:21:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093664.D

(20) Perylene-d12 (I)

23.909min (-0.001) 0.40ng/ul m

SJ 8/4/17

response 19903

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	25.59
265.00	103.50	26.17#
0.00	0.00	0.00

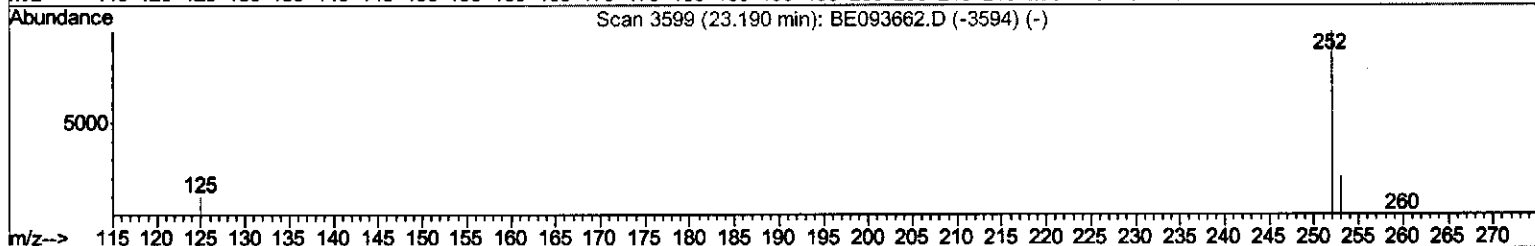
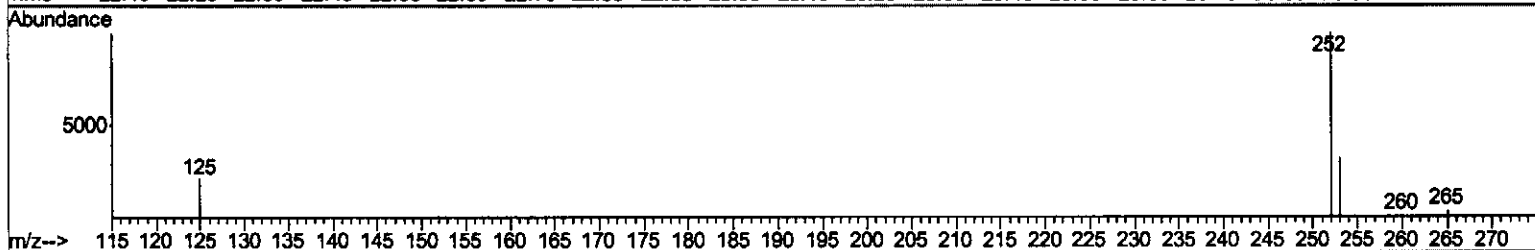
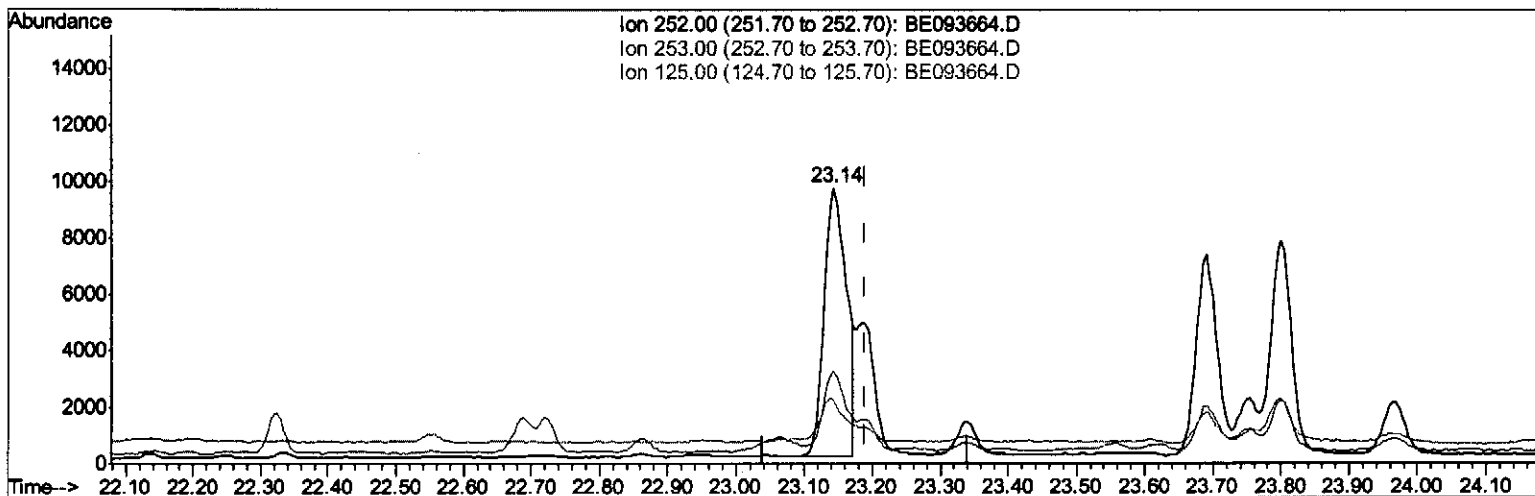
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093664.D

(22) Benzo(k)fluoranthene

23.144min (-0.046) 0.36ng/ul

response 21910

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.28
125.00	17.10	22.57#
0.00	0.00	0.00

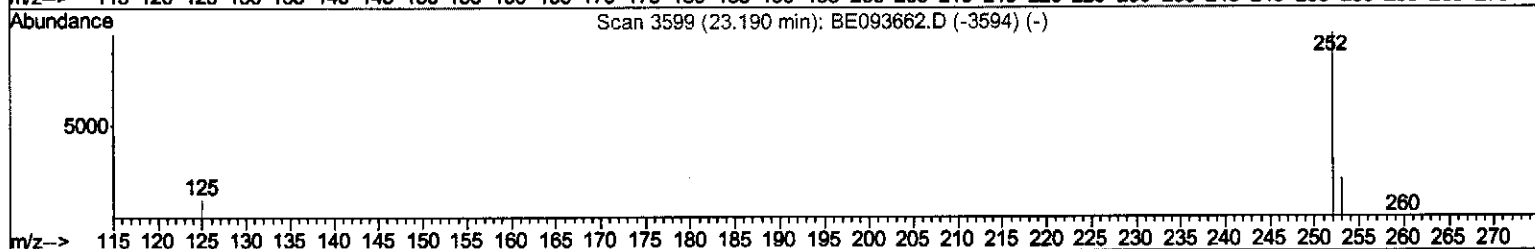
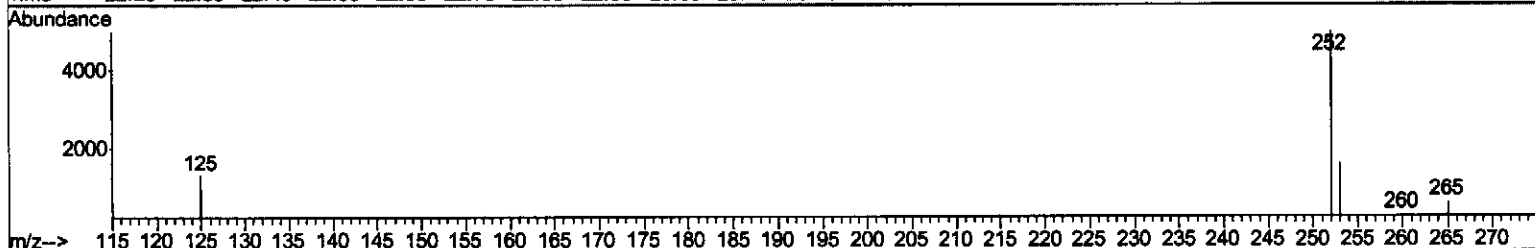
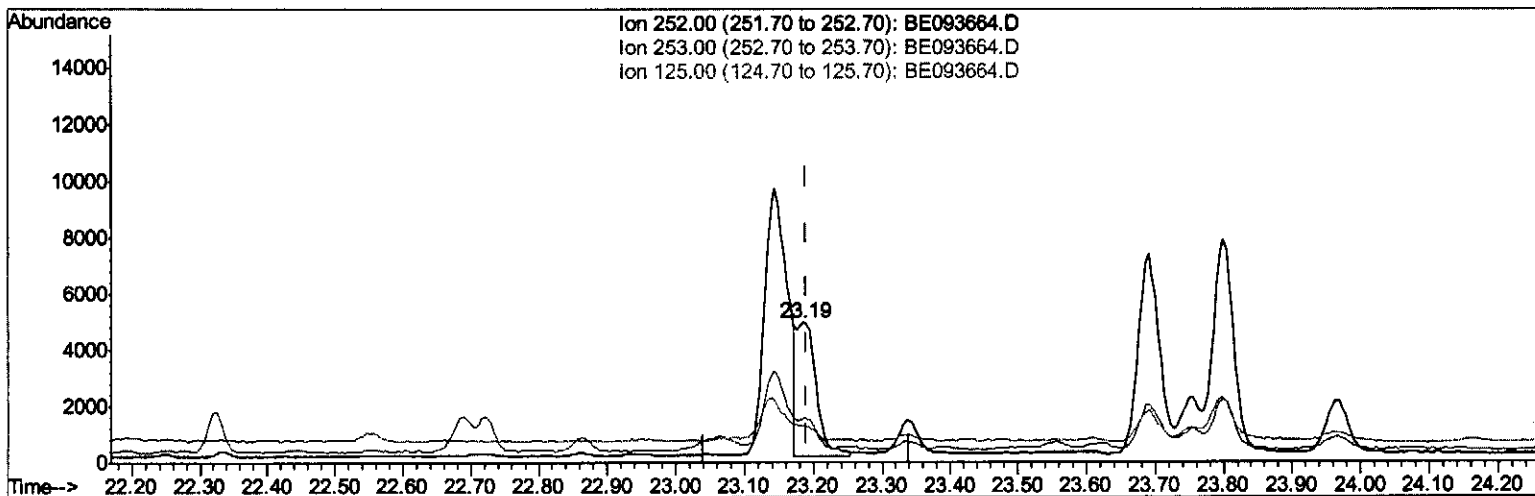
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093664.D

(22) Benzo(k)fluoranthene

23.185min (-0.005) 0.15ng/ul m

SJ 8/4/17

response 9361

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.45
125.00	17.10	26.08#
0.00	0.00	0.00

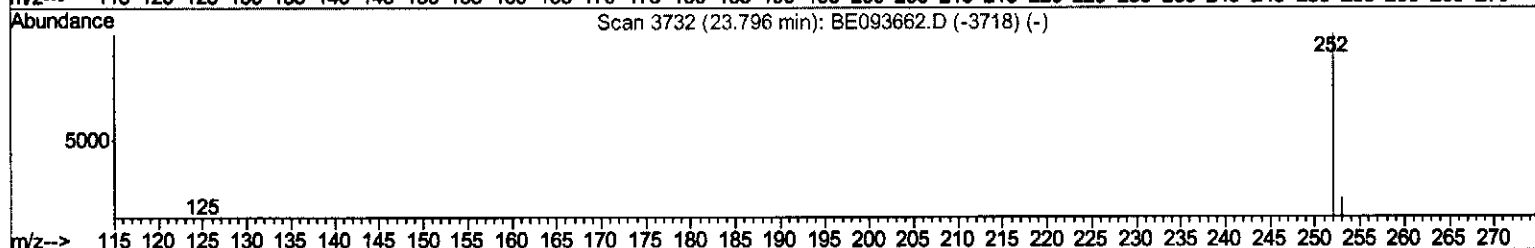
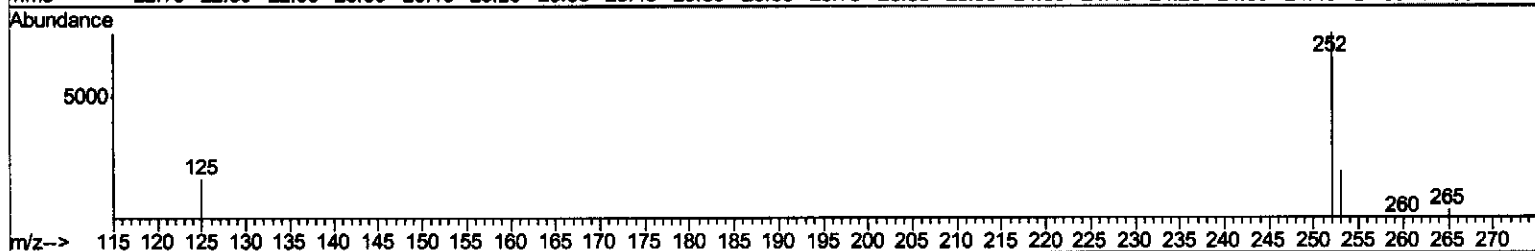
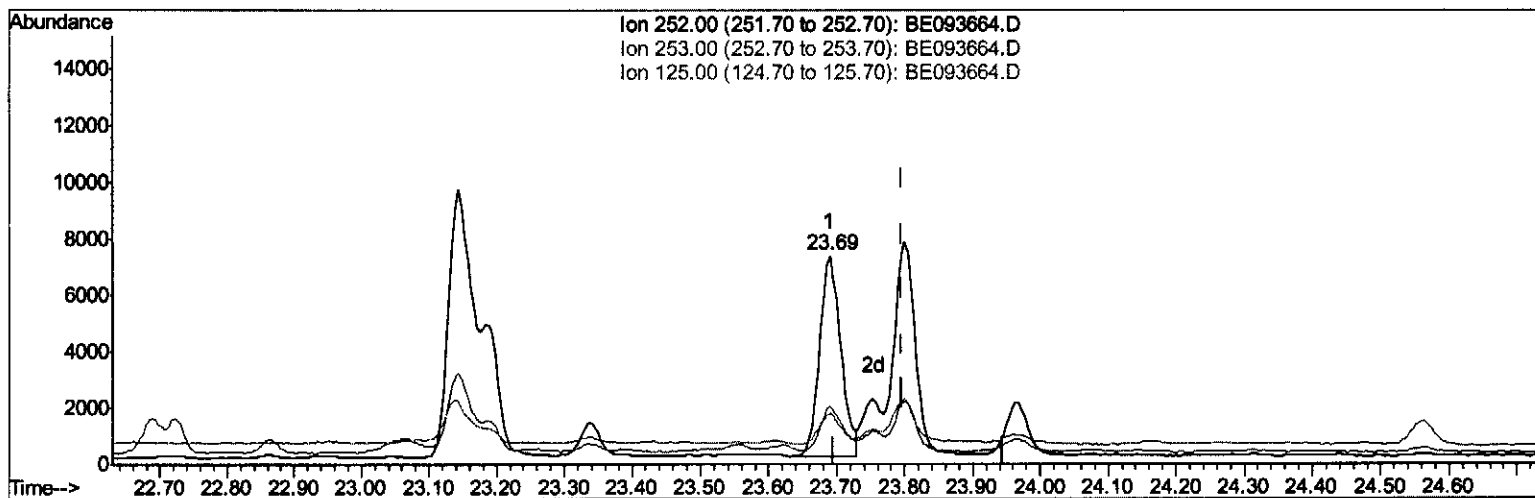
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 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: BE093664.D

(23) Benzo(a)pyrene (C)

23.691min (-0.105) 0.26ng/ul

response 15310

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.82#
125.00	22.60	24.40
0.00	0.00	0.00

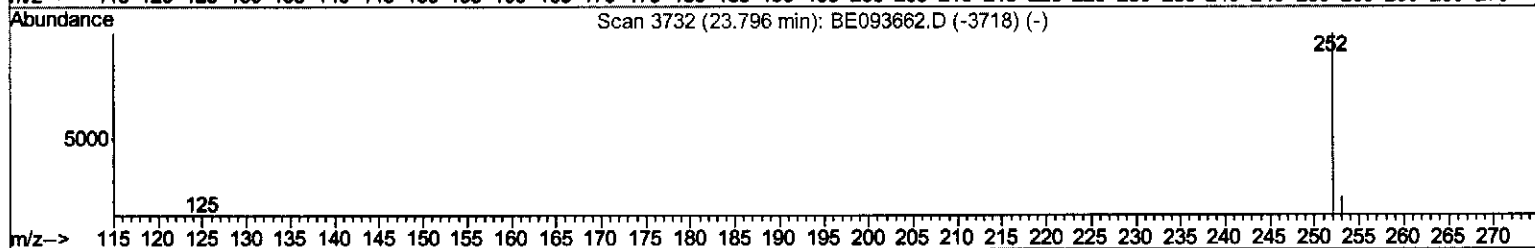
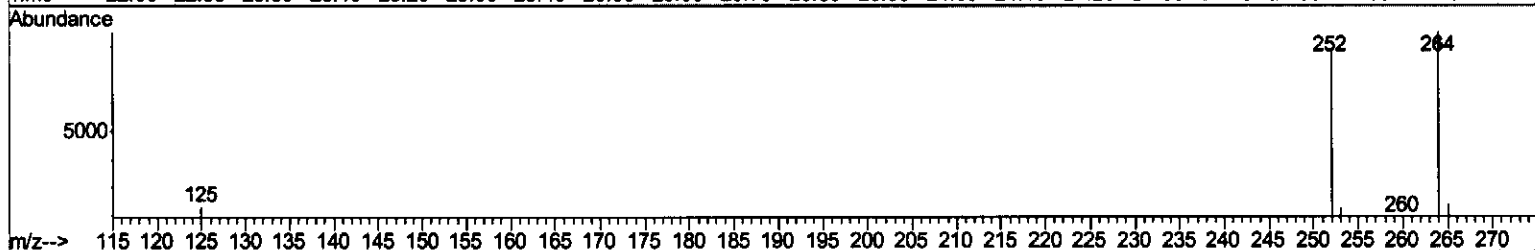
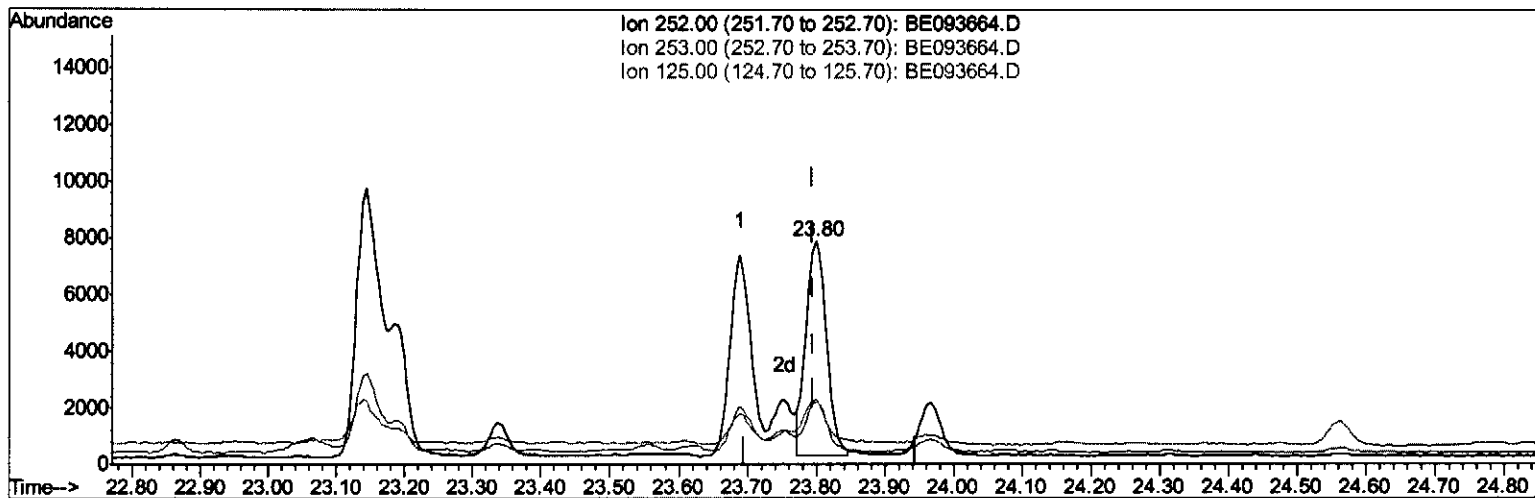
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093664.D

(23) Benzo(a)pyrene (C)

23.800min (+0.004) 0.26ng/ul m

61 8/4/17

response 15399

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.20#
125.00	22.60	29.06#
0.00	0.00	0.00

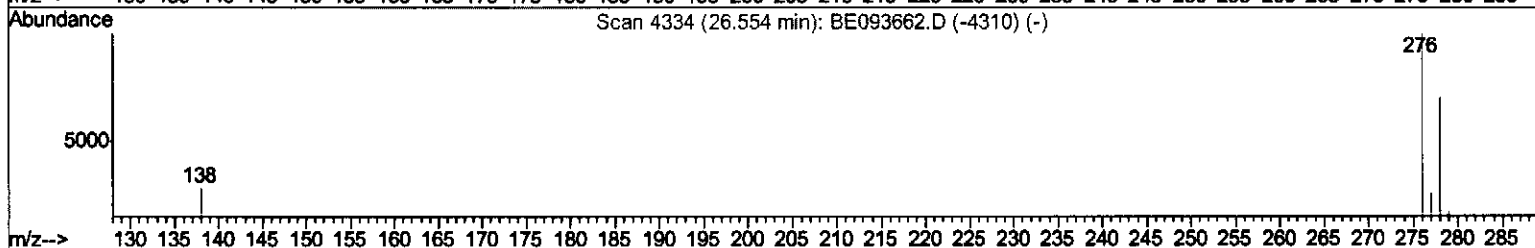
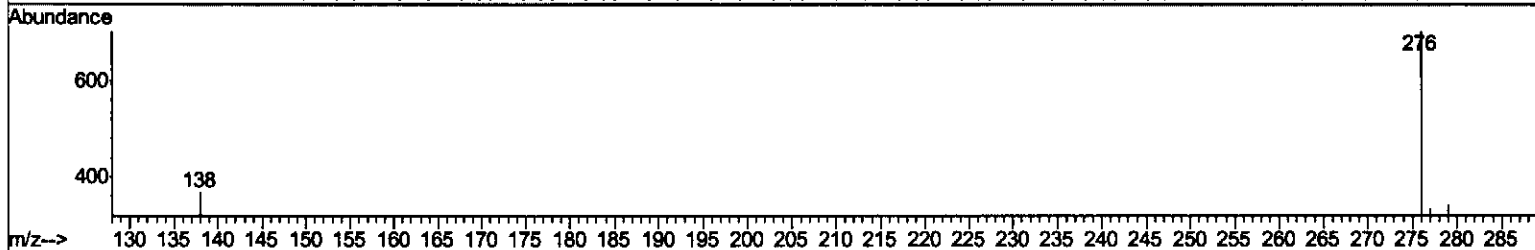
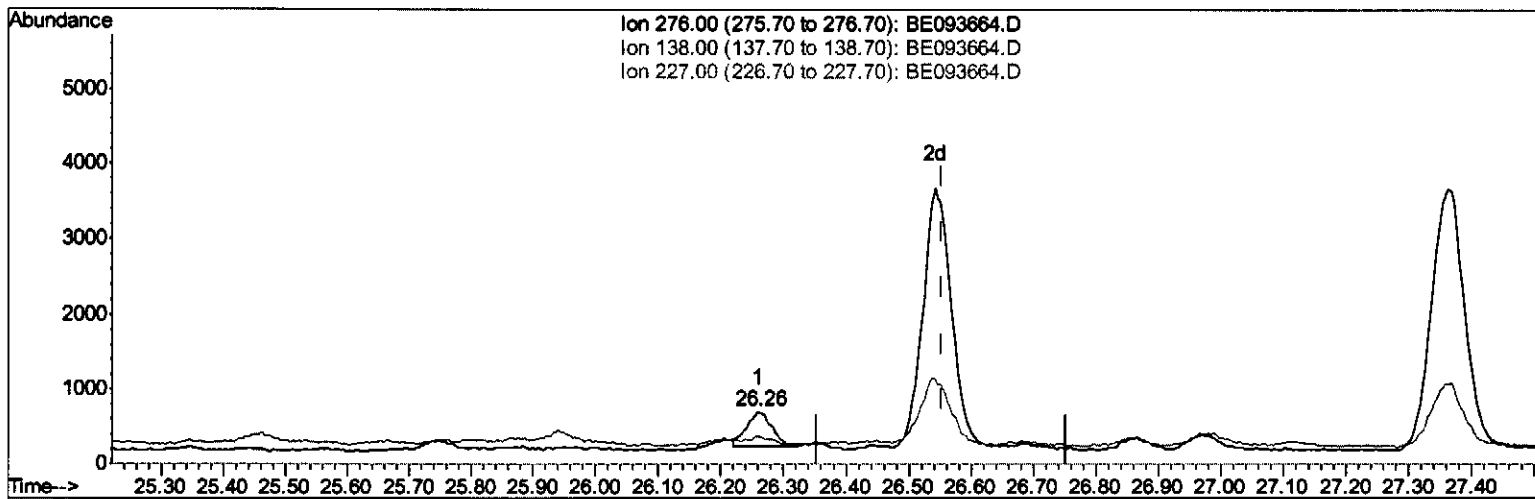
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



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

26.260min (-0.295) 0.02ng/ul

response 1345

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	15.54#
227.00	10.00	0.00#
0.00	0.00	0.00

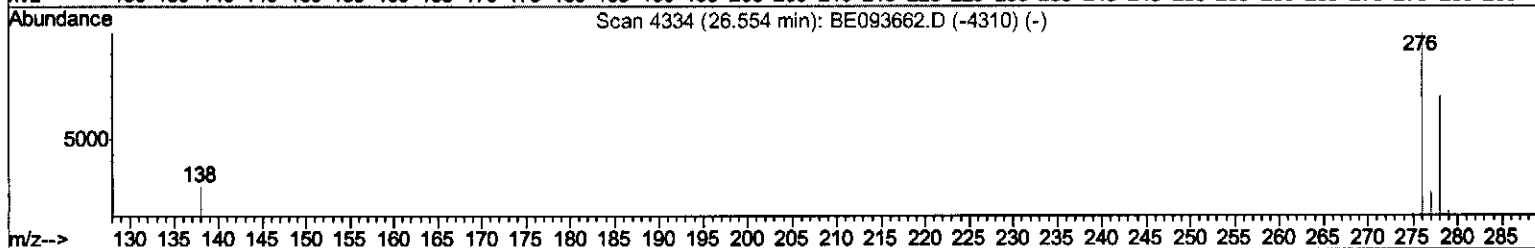
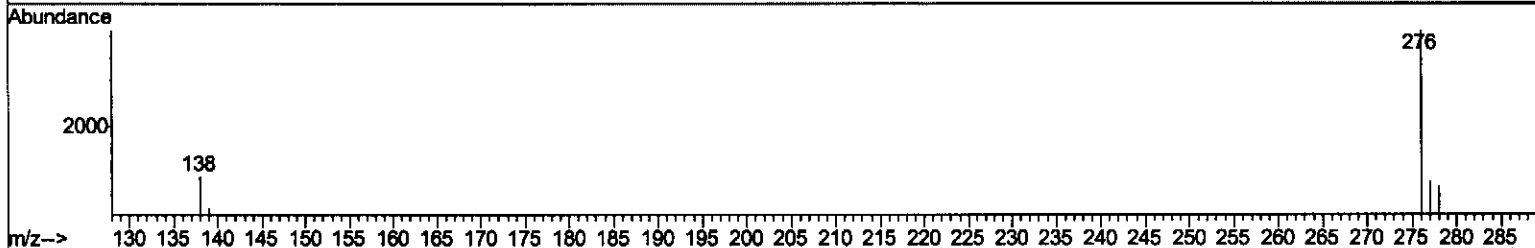
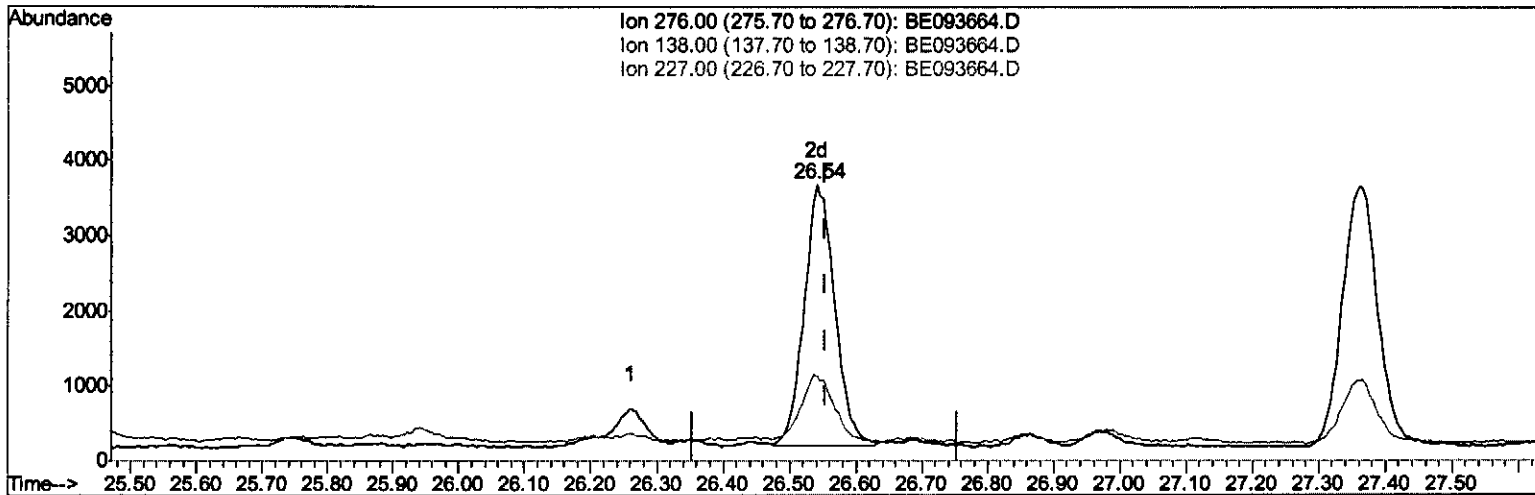
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 16:09:39 2017
Response via : Initial Calibration



TIC: BE093664.D

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

26.542min (-0.012) 0.17ng/ul m SJ 8/4/17

response 11146

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.88#
227.00	10.00	0.00#
0.00	0.00	0.00

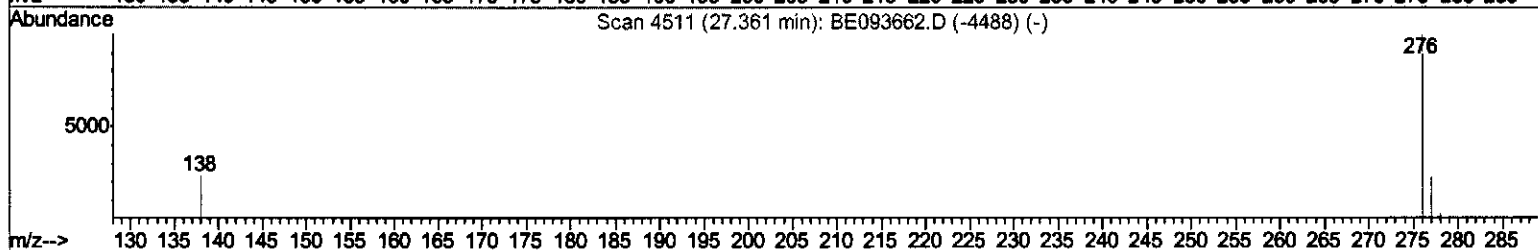
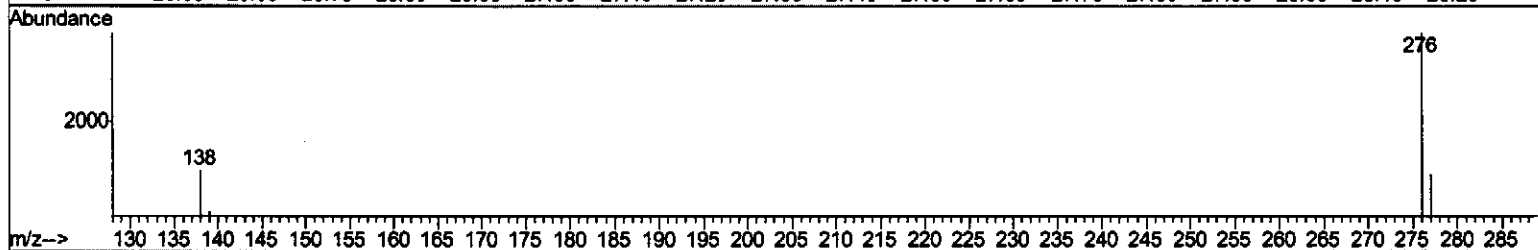
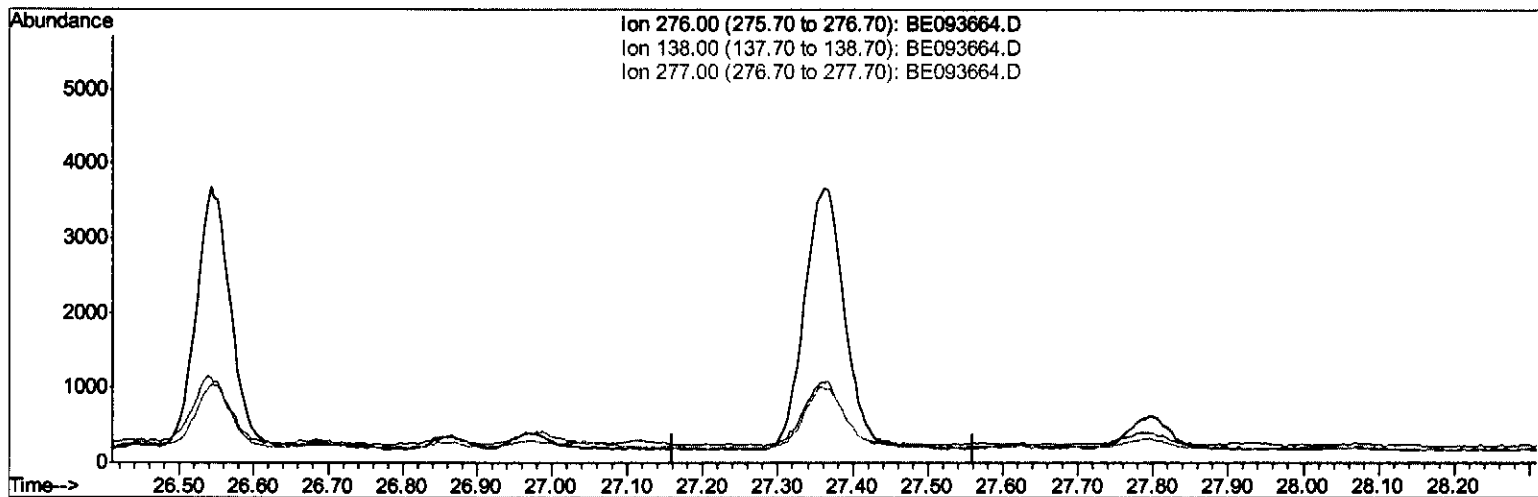
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 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
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TIC: BE093664.D

(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

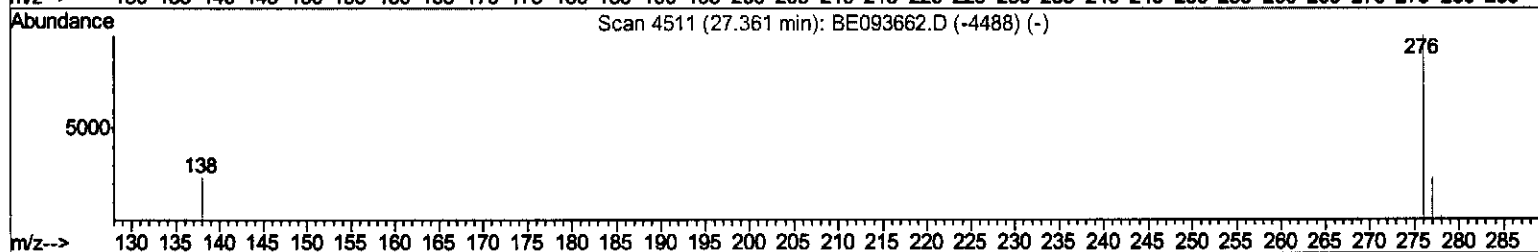
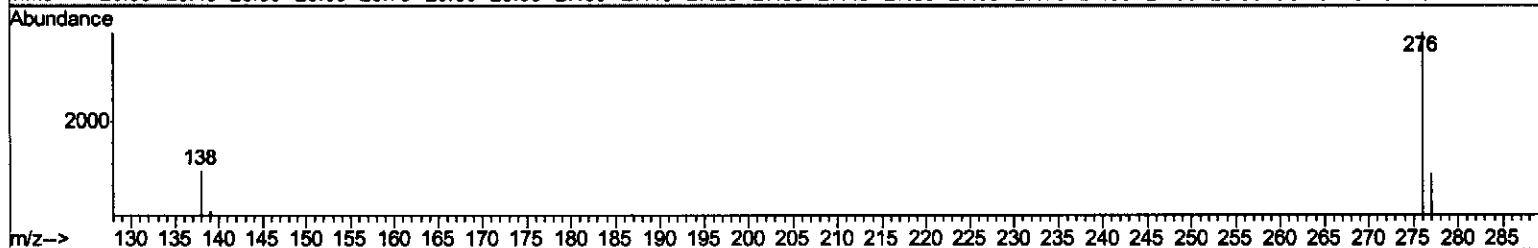
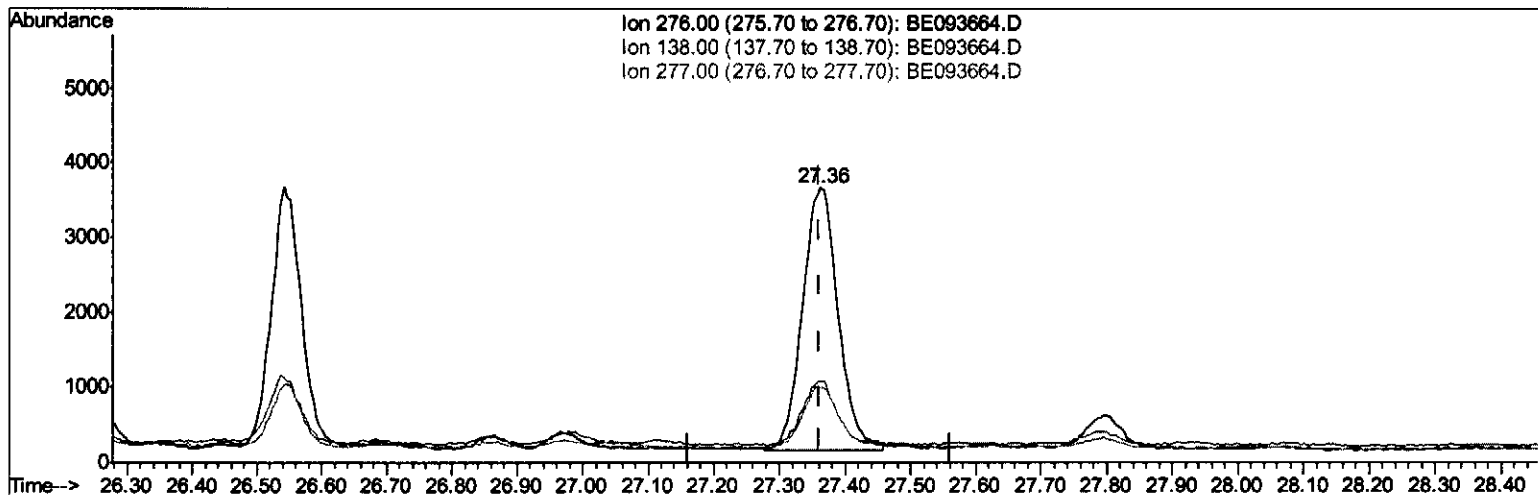
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:23:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093664.D

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

27.362min (+0.001) 0.24ng/ul m

SJ 8/4/17

response 13114

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	29.33
277.00	25.60	27.17
0.00	0.00	0.00

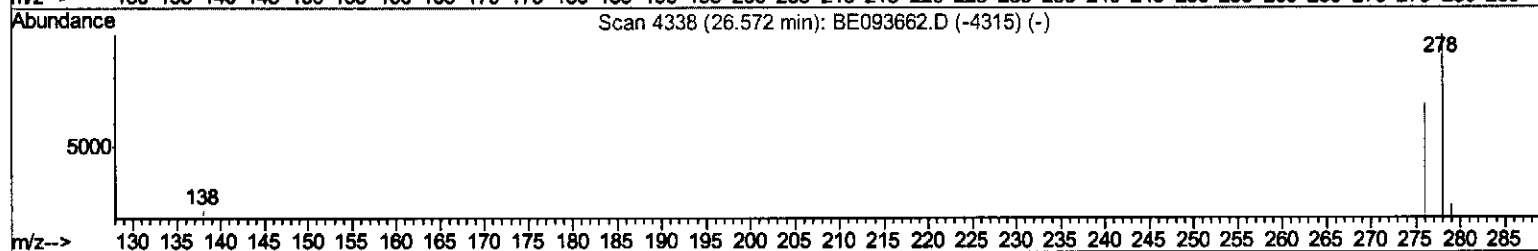
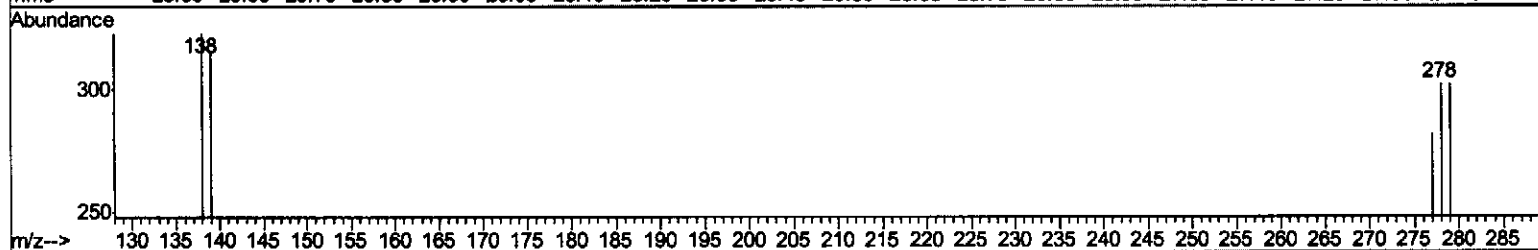
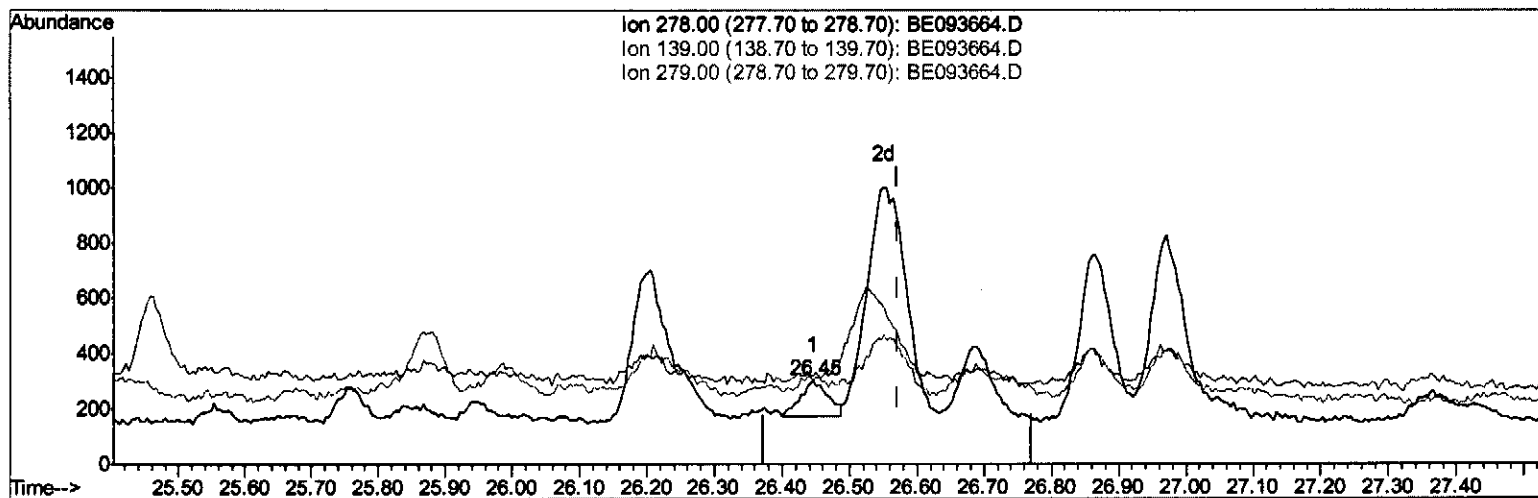
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:25:37 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: BE093664.D

(25) Dibenzo(a,h)anthracene

26.446min (-0.126) 0.01ng/ul

response 376

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	104.64#
279.00	32.40	100.00#
0.00	0.00	0.00

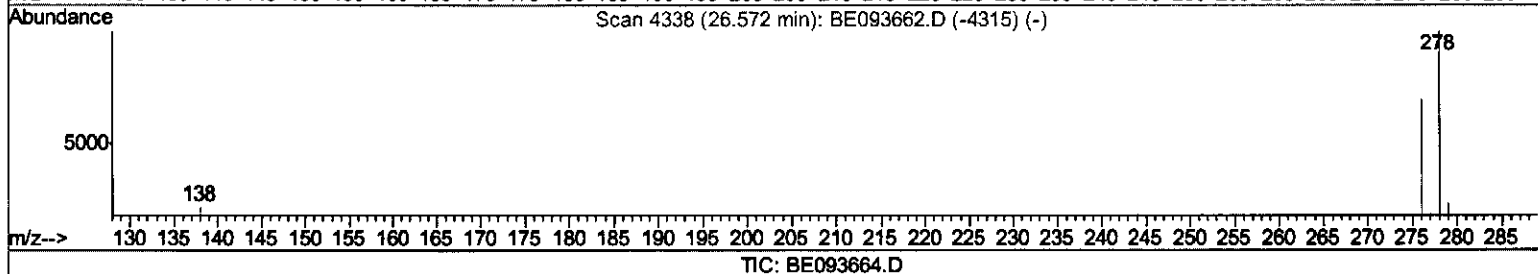
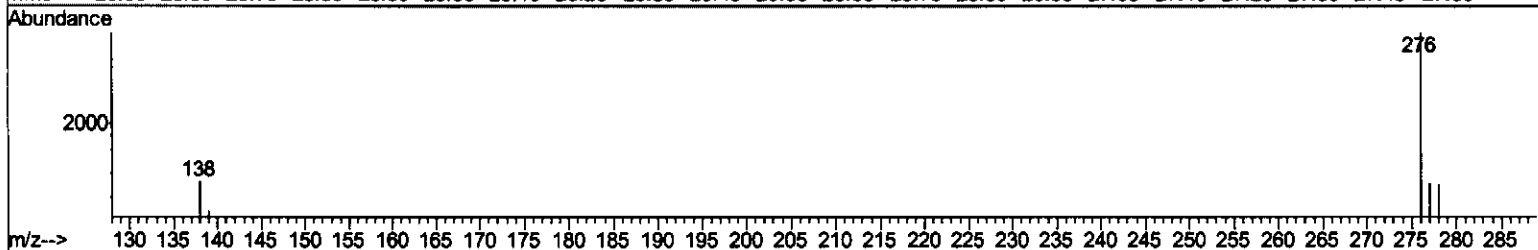
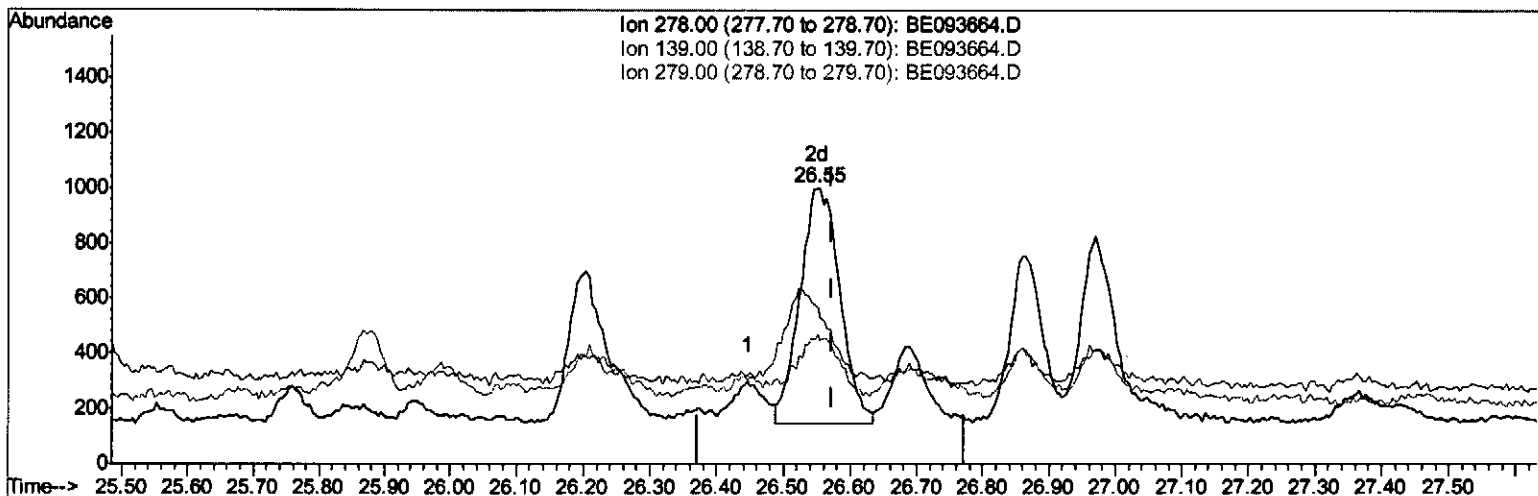
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093664.D
Acq On : 4 Aug 2017 10:37
Operator : SJ/JU
Sample : I4373-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA3

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:25:37 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



(25) Dibenzo(a,h)anthracene

26.551min (-0.021) 0.07ng/ul m

SJ 8/4/17

response 3533

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	56.76#
279.00	32.40	46.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
 Data File : BE093664.D
 Acq On : 4 Aug 2017 10:37
 Operator : SJ/JU
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA3

Manual Integrations
 APPROVED

Sohil
 8/4/2017 5:28:06 PM

Quant Time: Aug 04 16:26:32 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 16:09:39 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3205	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	16439	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	9963	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	22416	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	23690	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19903m	0.40	ng/ul	0.00

SJ 8/4/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	5234	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	15547	0.22	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.75	128	1942	0.049	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	1549	0.053	ng/ul	99
8) Acenaphthene	14.59	153	1050	0.032	ng/ul	99
9) Fluorene	15.57	166	1075	0.026	ng/ul#	94
12) Phenanthrene	17.29	178	41412	0.678	ng/ul#	89
13) Anthracene	17.38	178	7832	0.132	ng/ul#	90
15) Fluoranthene	19.30	202	46389	0.608	ng/ul	84
17) Pyrene	19.66	202	42024	0.608	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	19033	0.277	ng/ul#	88
19) Chrysene	21.44	228	22082	0.335	ng/ul	96
21) Benzo(b)fluoranthene	23.14	252	21910	0.356	ng/ul	95
22) Benzo(k)fluoranthene	23.19	252	9361m	0.154	ng/ul	
23) Benzo(a)pyrene	23.80	252	15981m	0.273	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.54	276	11146m	0.172	ng/ul	
25) Dibenzo(a,h)anthracene	26.55	278	3533m	0.065	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	13114m	0.241	ng/ul	

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