

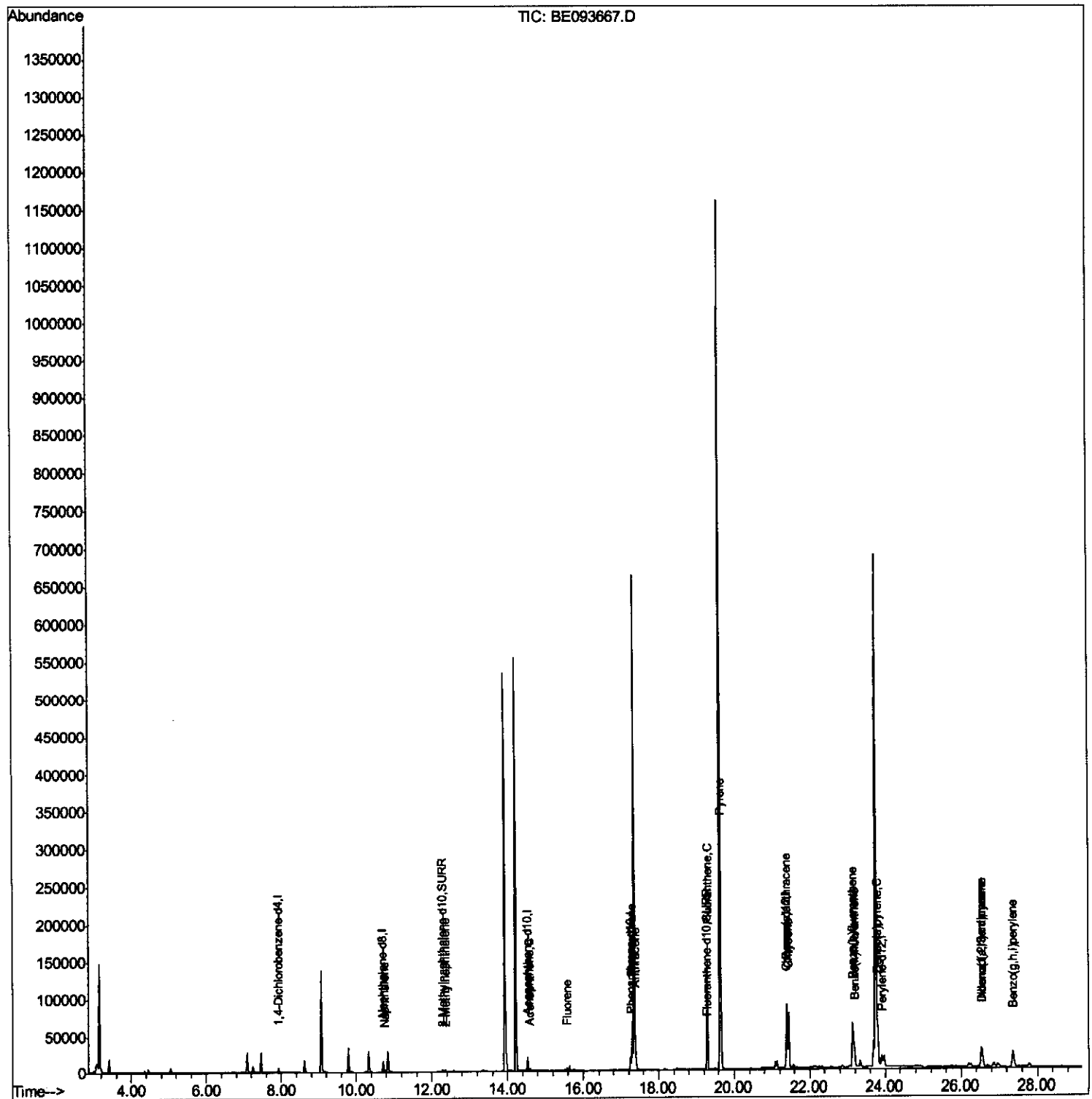
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:51:53 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



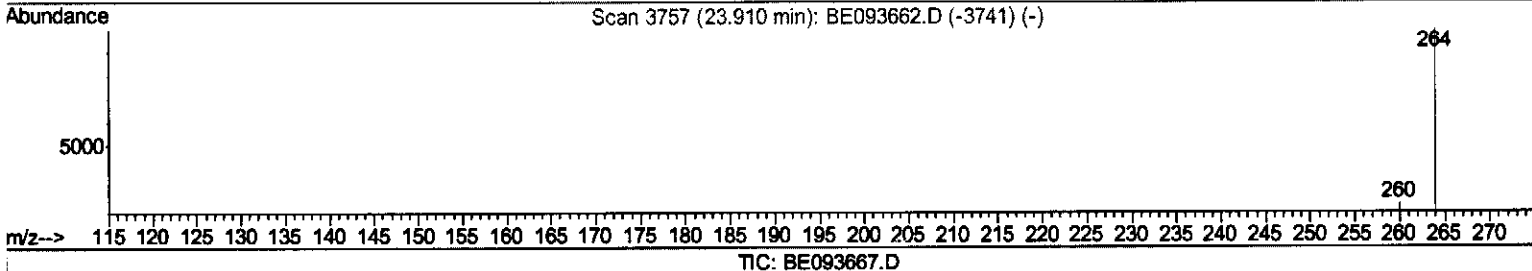
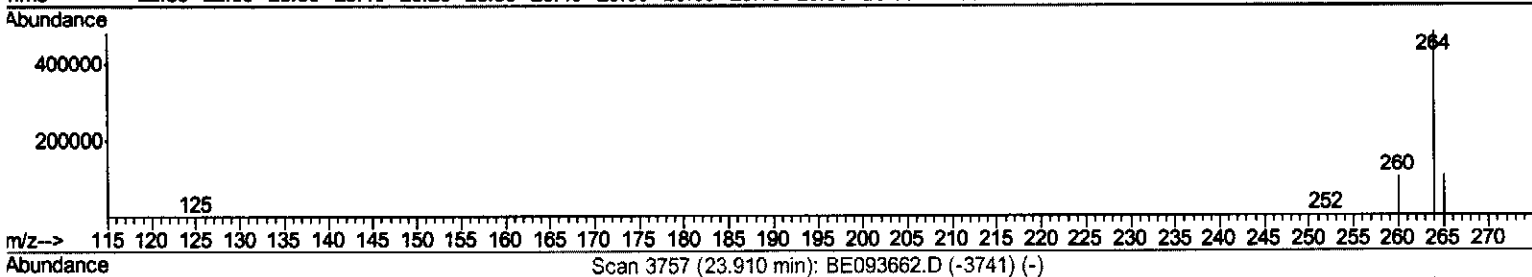
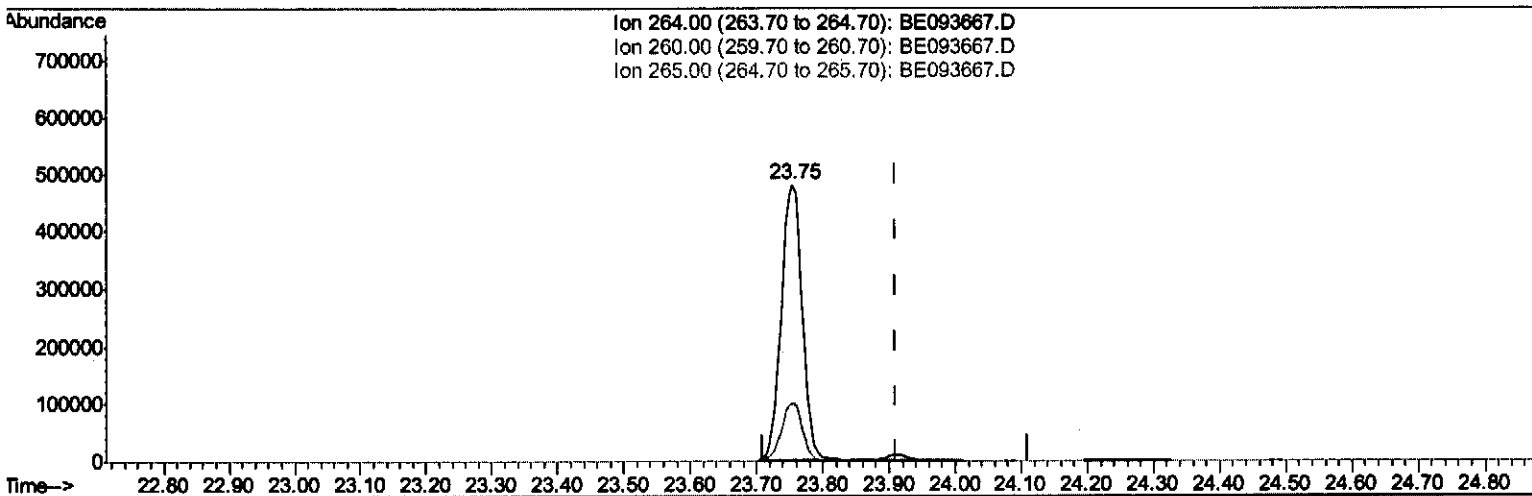
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(20) Perylene-d12 (I)

23.755min (-0.155) 0.40ng/ul

response 1049239

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.97#
265.00	103.50	21.51#
0.00	0.00	0.00

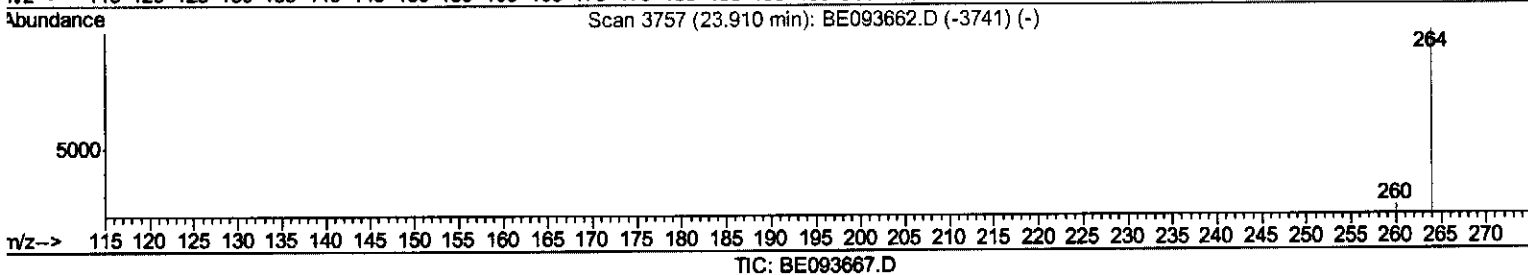
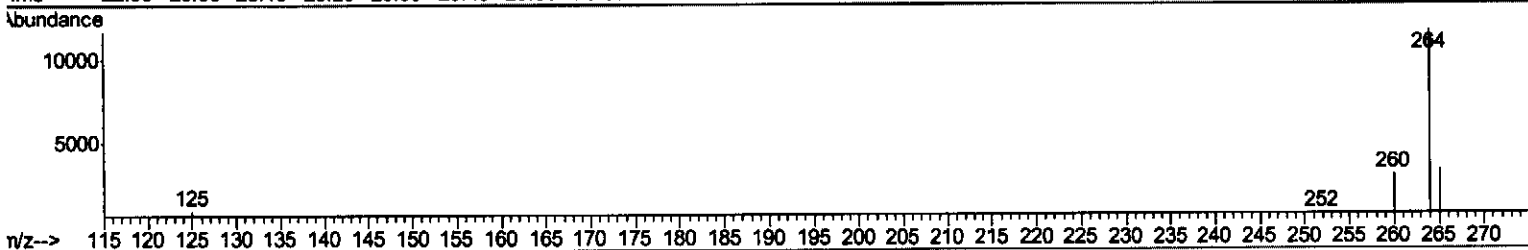
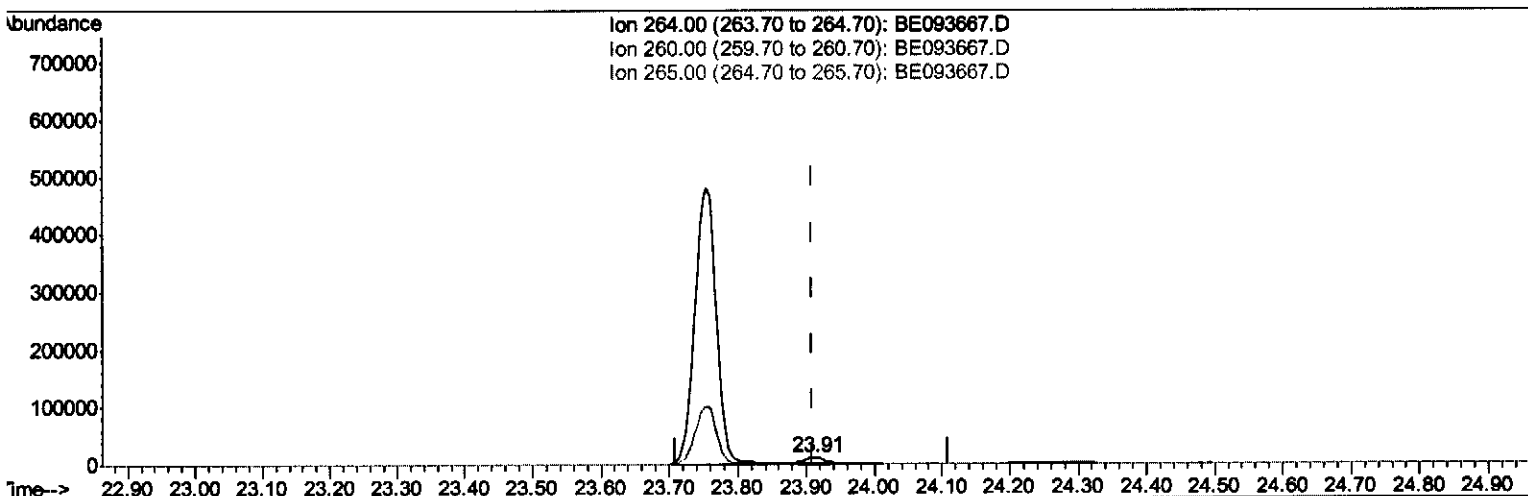
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(20) Perylene-d12 (I)

23.914min (+0.005) 0.40ng/ul m

response 21367

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	25.43
265.00	103.50	27.99#
0.00	0.00	0.00

SJ 8/4/17

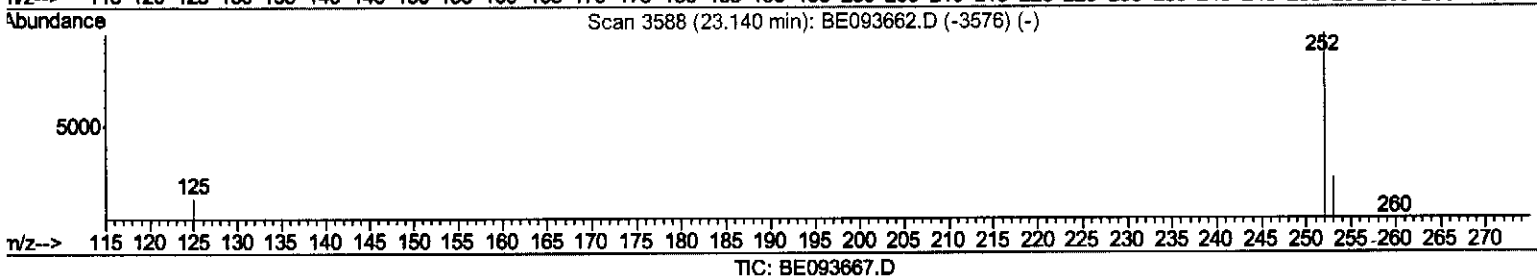
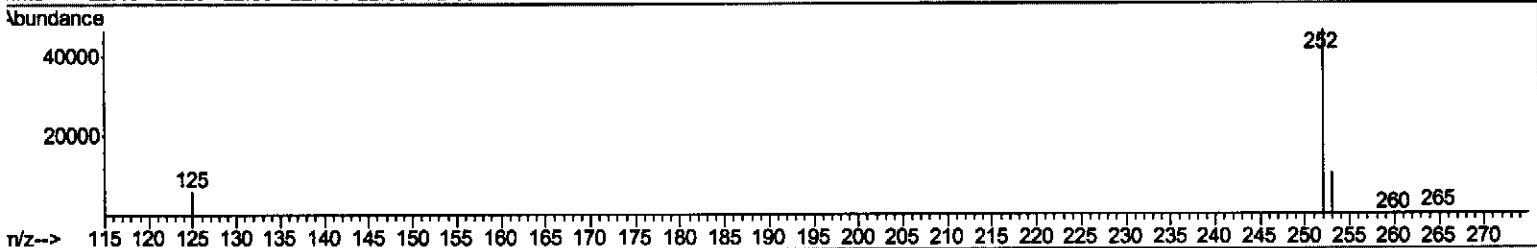
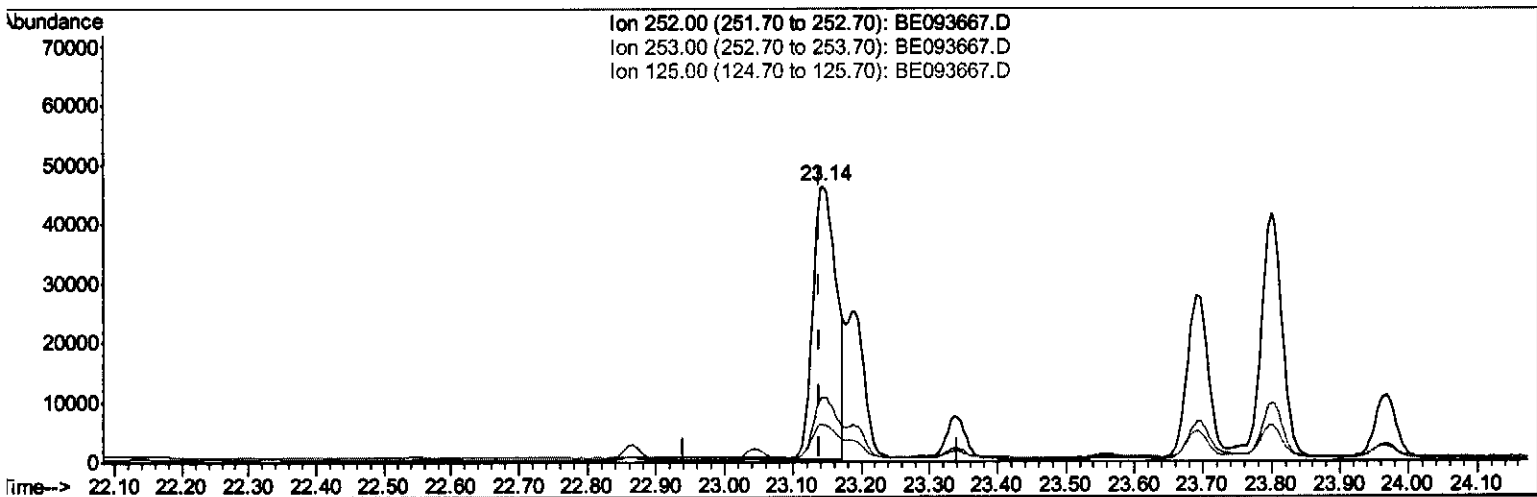
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(21) Benzo(b)fluoranthene

23.145min (+0.005) 1.65ng/ul

response 109259

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.09
125.00	17.50	13.38
0.00	0.00	0.00

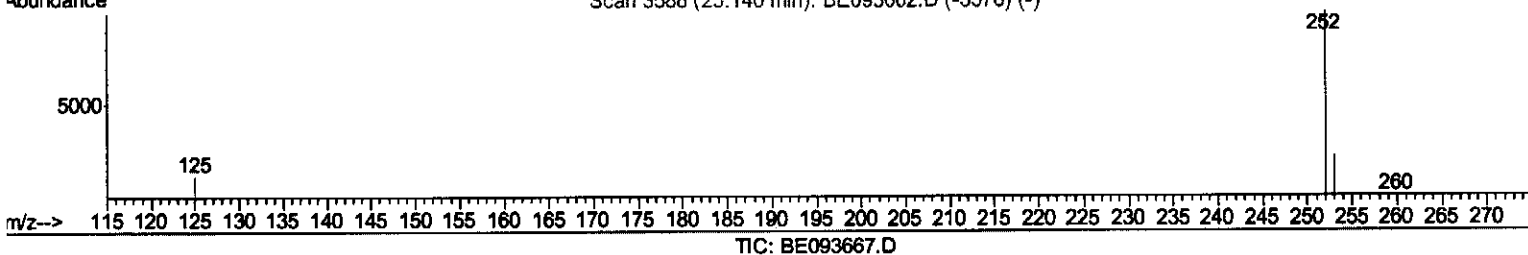
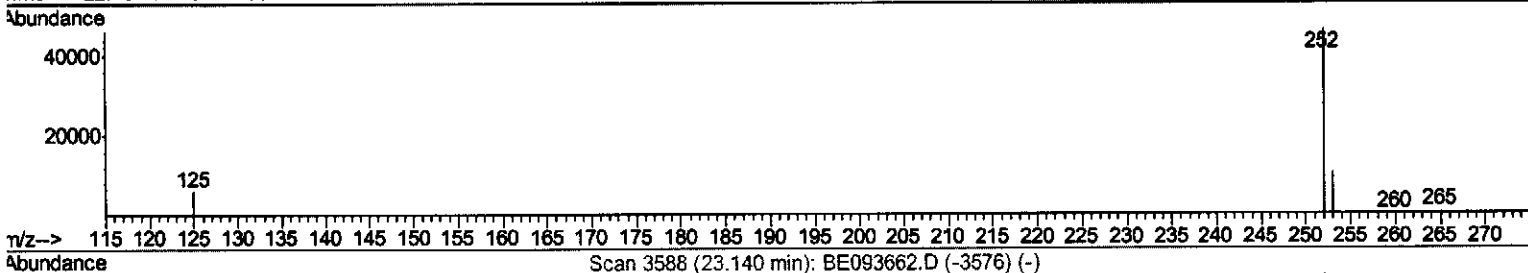
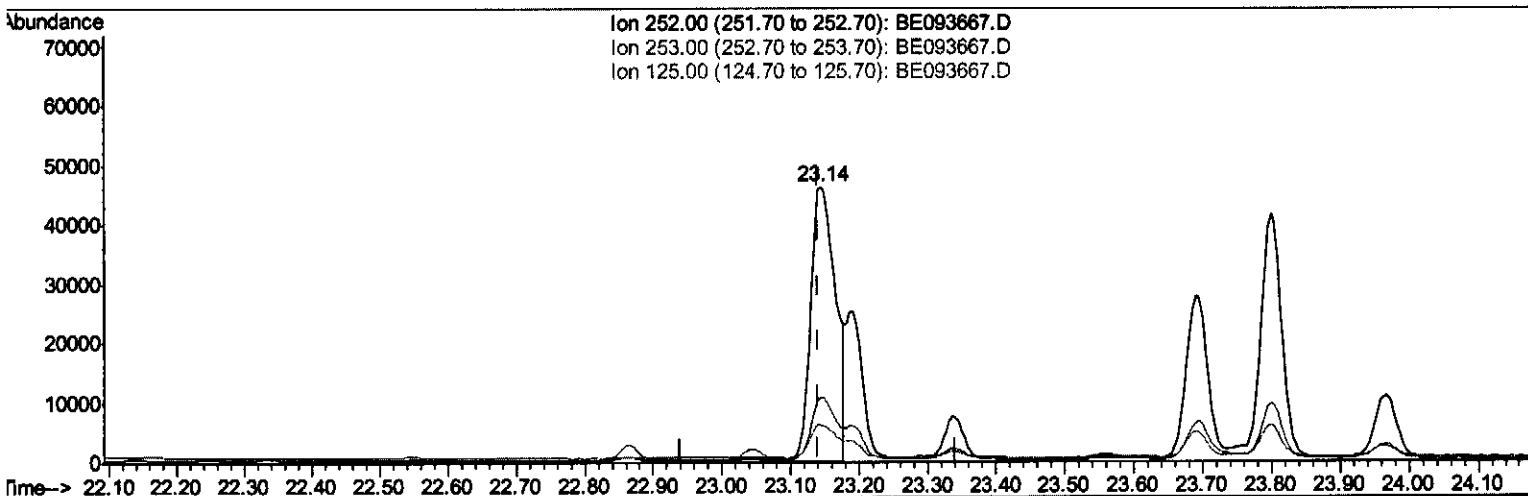
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(21) Benzo(b)fluoranthene

23.145min (+0.005) 1.76ng/ul m>

SJ 8/4/17

response 116186

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.09
125.00	17.50	13.38
0.00	0.00	0.00

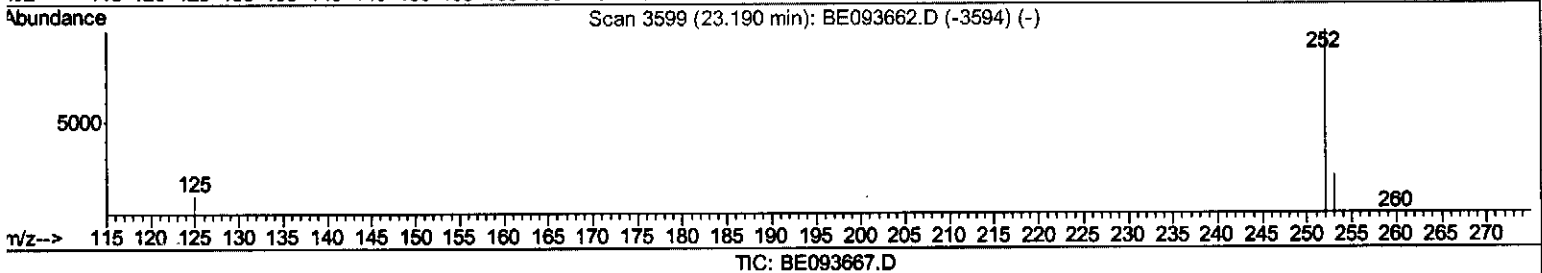
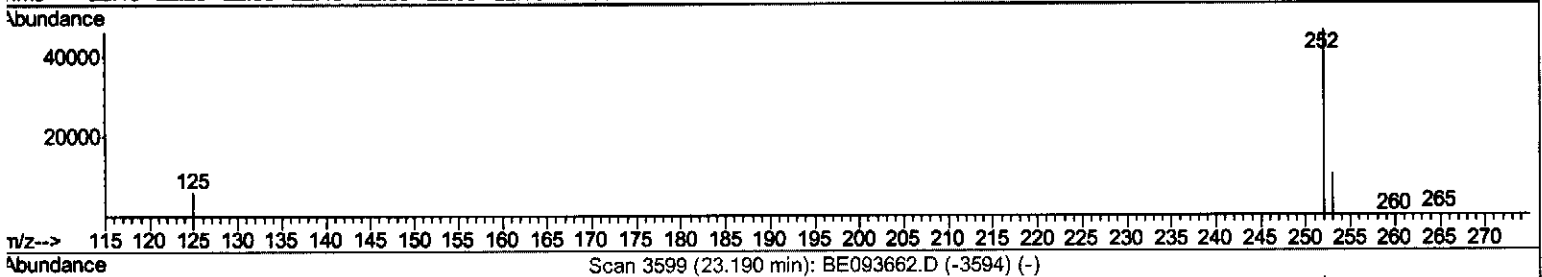
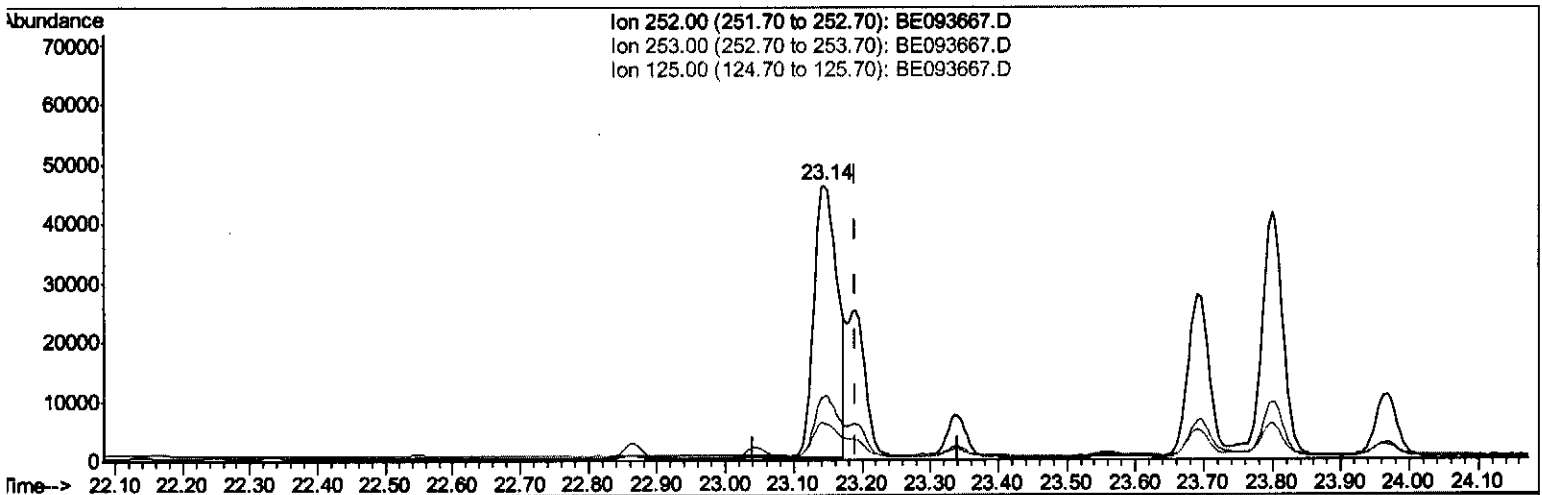
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(22) Benzo(k)fluoranthene

23.145min (-0.046) 1.68ng/ul

response 109259

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.09#
125.00	17.10	13.38#
0.00	0.00	0.00

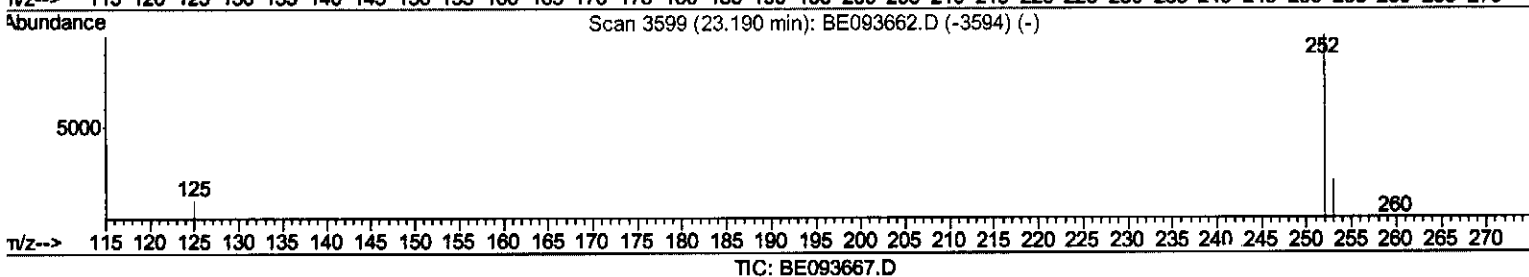
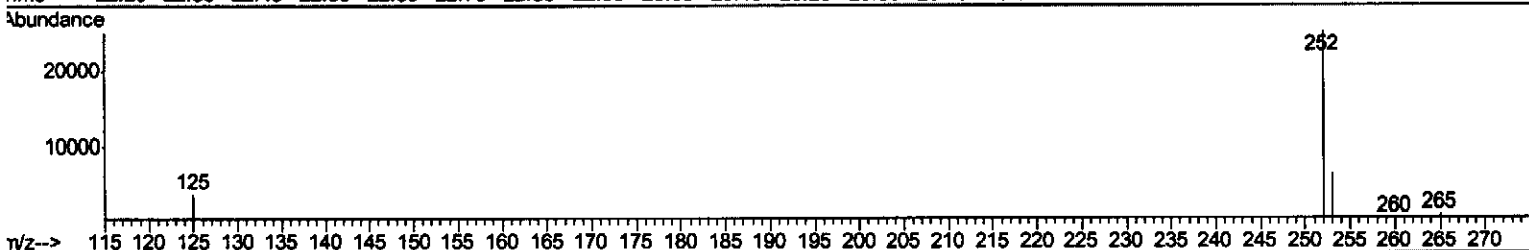
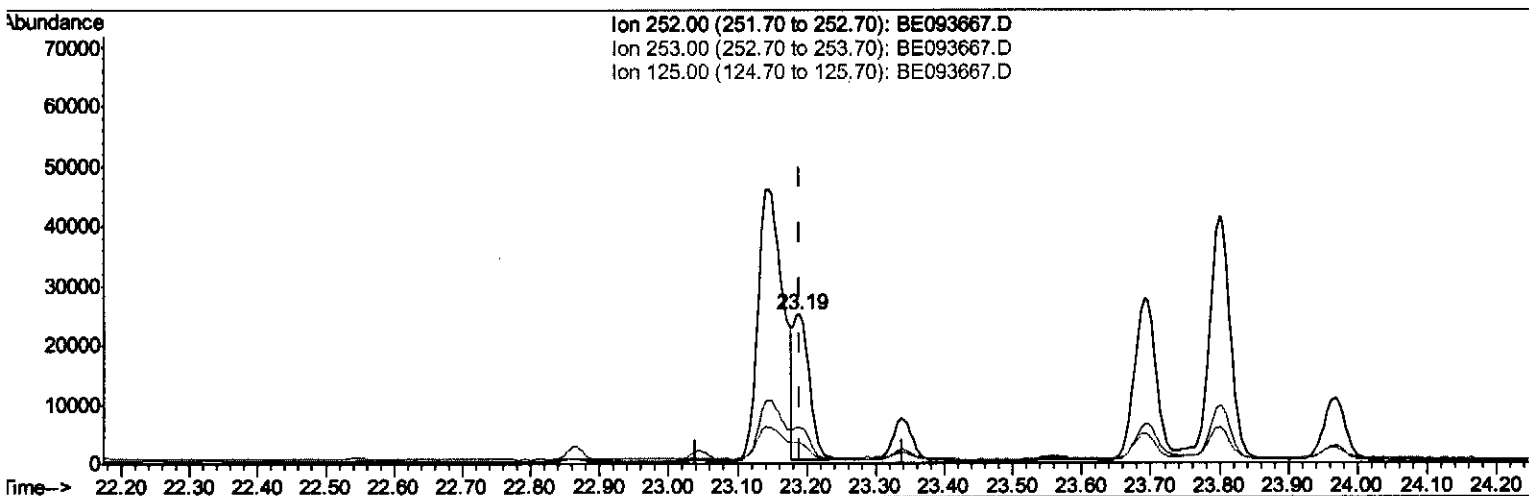
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(22) Benzo(k)fluoranthene

23.190min (-0.000) 0.63ng/ul m

SJ 8/4/17

response 41088

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.43#
125.00	17.10	13.86
0.00	0.00	0.00

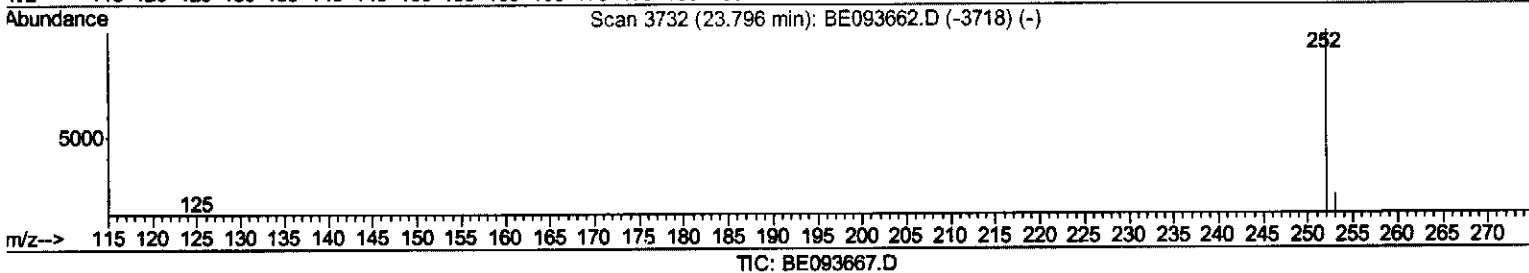
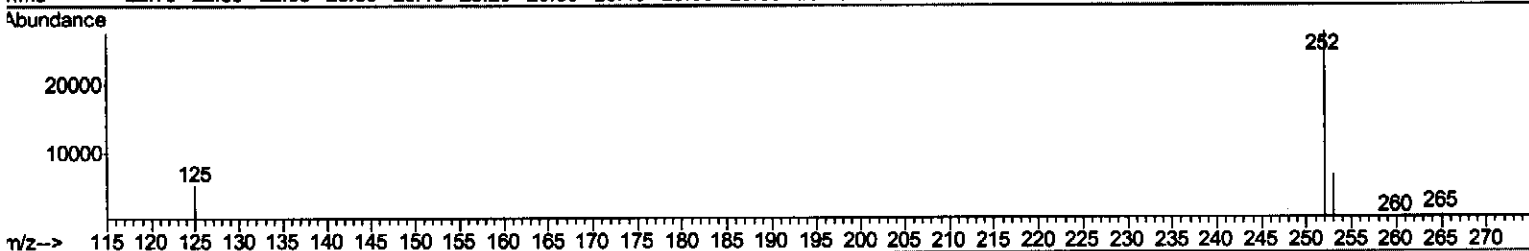
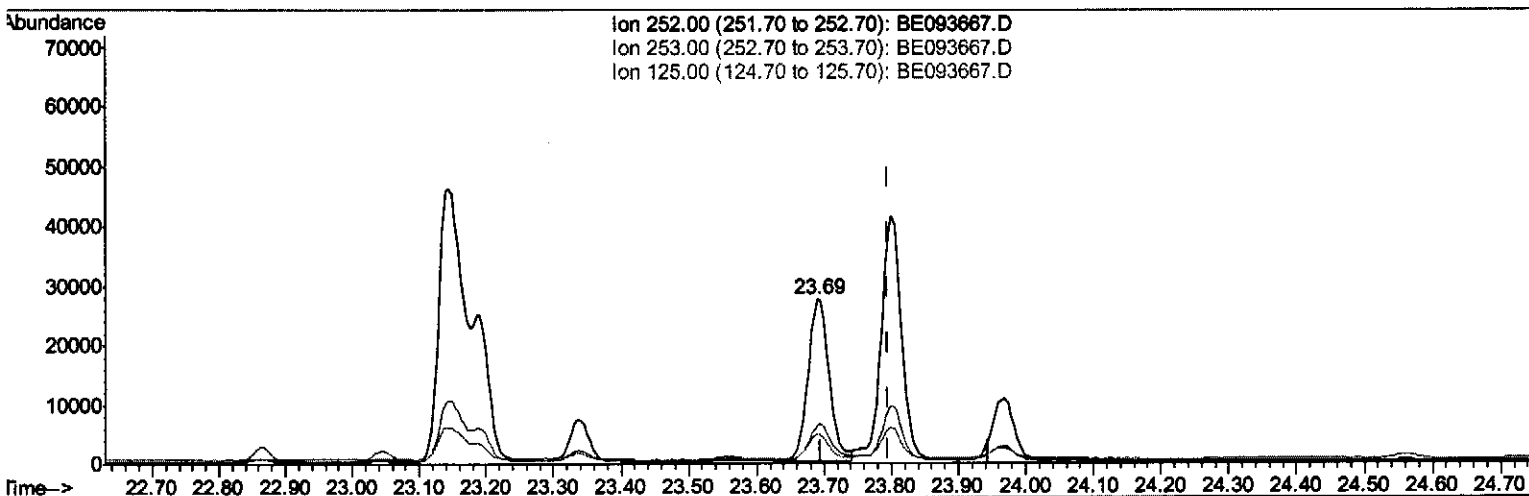
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(23) Benzo(a)pyrene (C)

23.691min (-0.105) 0.95ng/ul

response 59885

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.84#
125.00	22.60	18.25
0.00	0.00	0.00

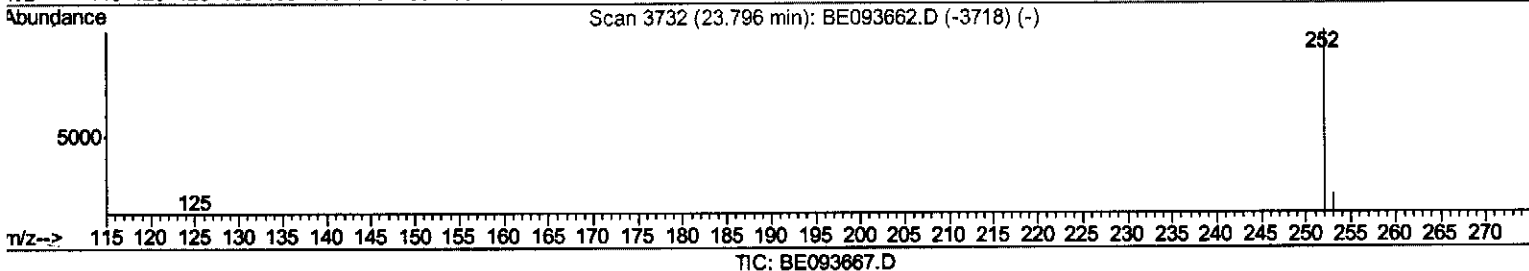
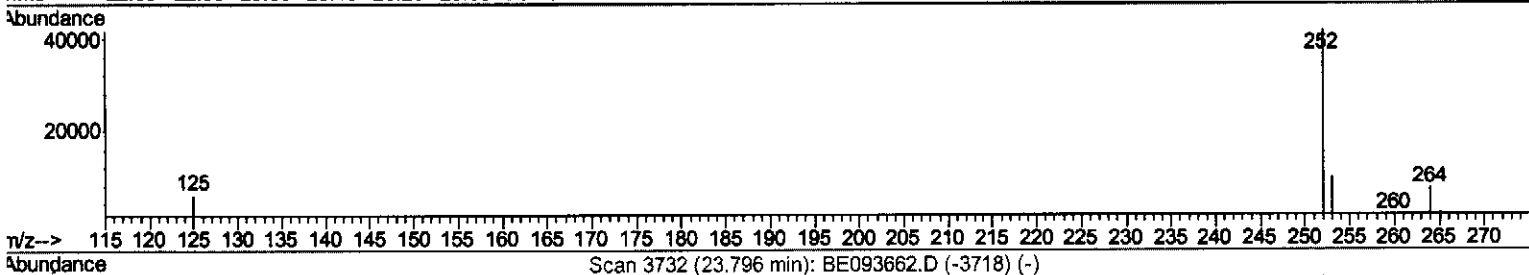
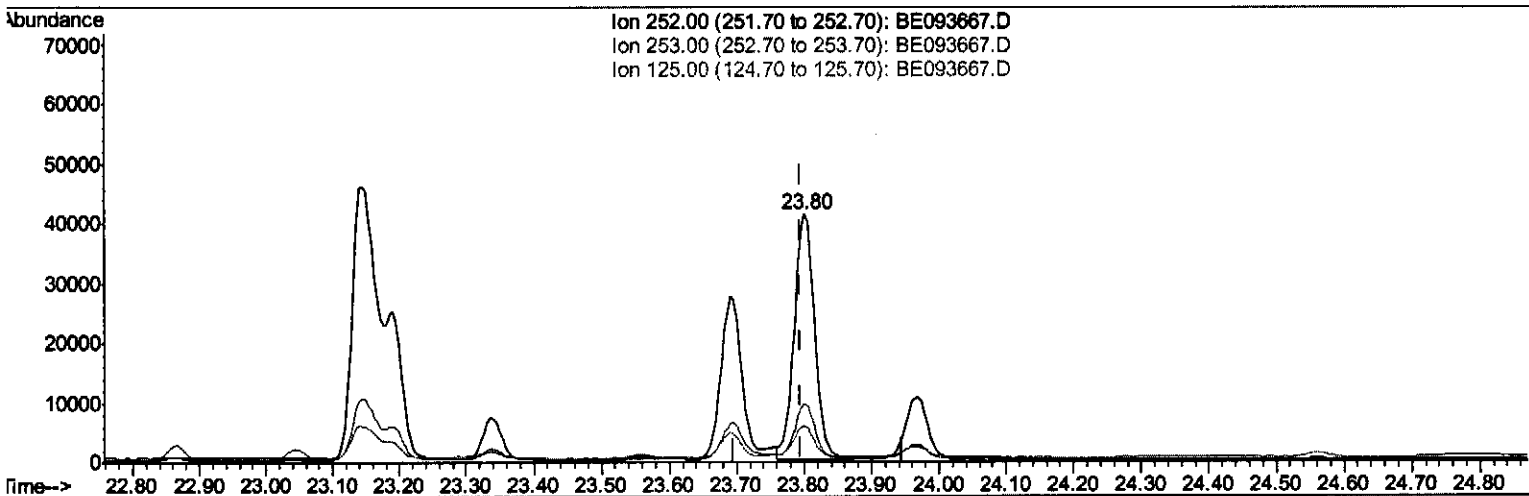
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:43:09 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



(23) Benzo(a)pyrene (C)

23.800min (+0.005) 1.38ng/ul m

SJ 8/4/17

response 86617

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.51#
125.00	22.60	14.58#
0.00	0.00	0.00

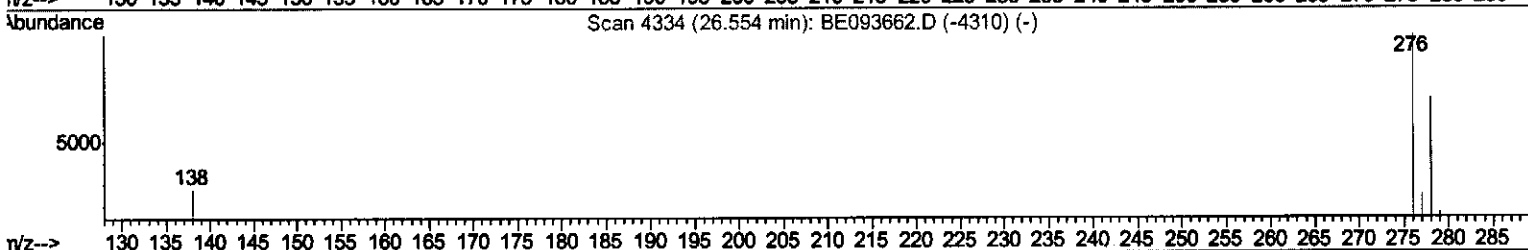
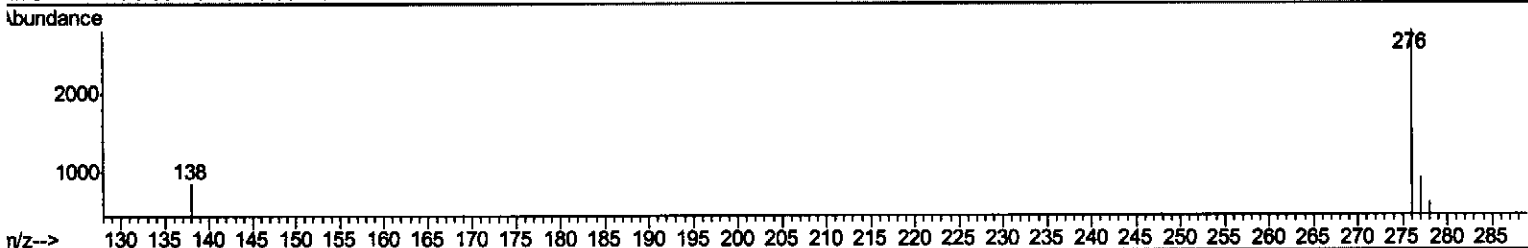
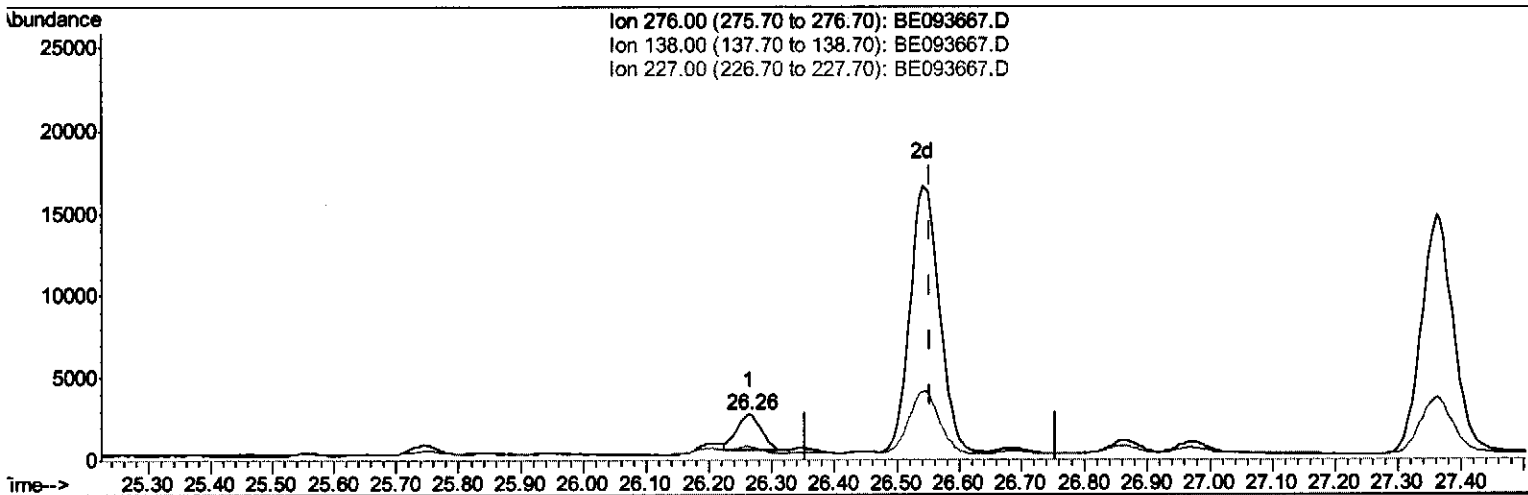
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:50:21 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: BE093667.D

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

26.264min (-0.290) 0.08ng/ul

response 5829

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	18.48#
227.00	10.00	0.00#
0.00	0.00	0.00

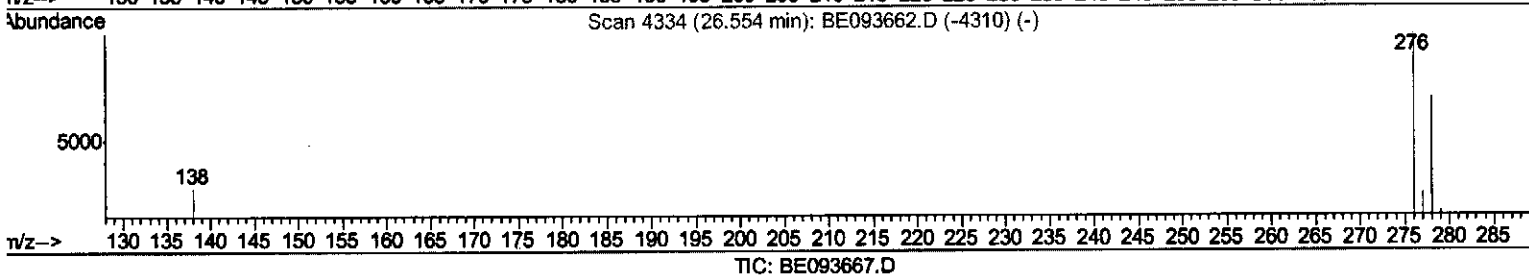
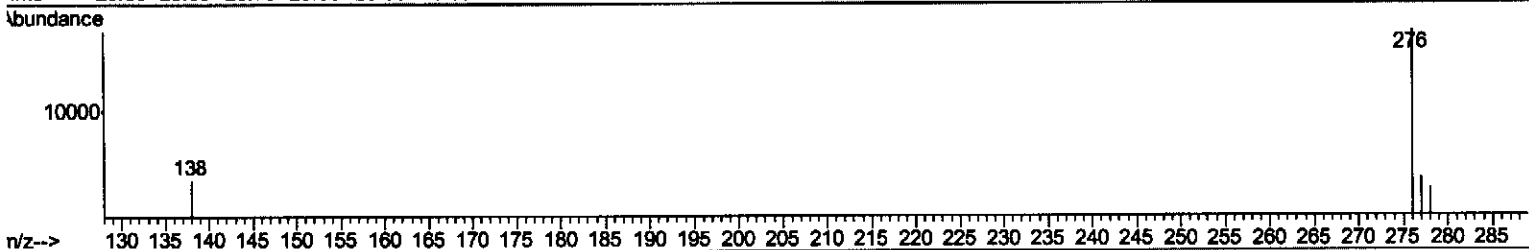
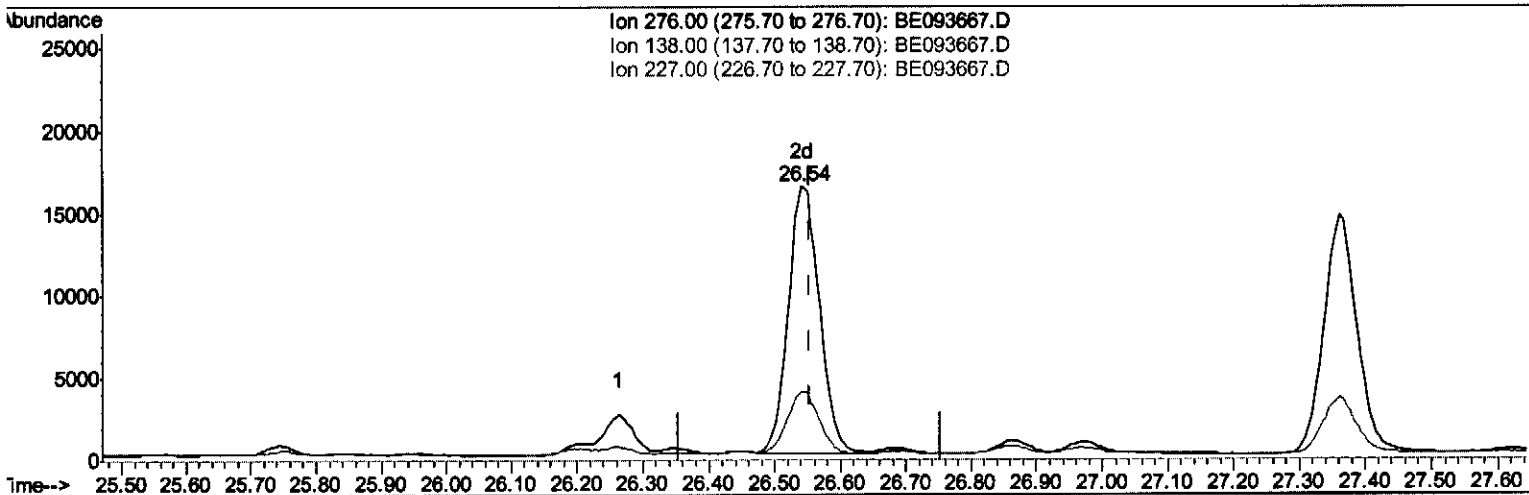
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:50:21 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



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

26.542min (-0.012) 0.78ng/ul m

SJ 8/4/17

response 54277

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.98#
227.00	10.00	0.00#
0.00	0.00	0.00

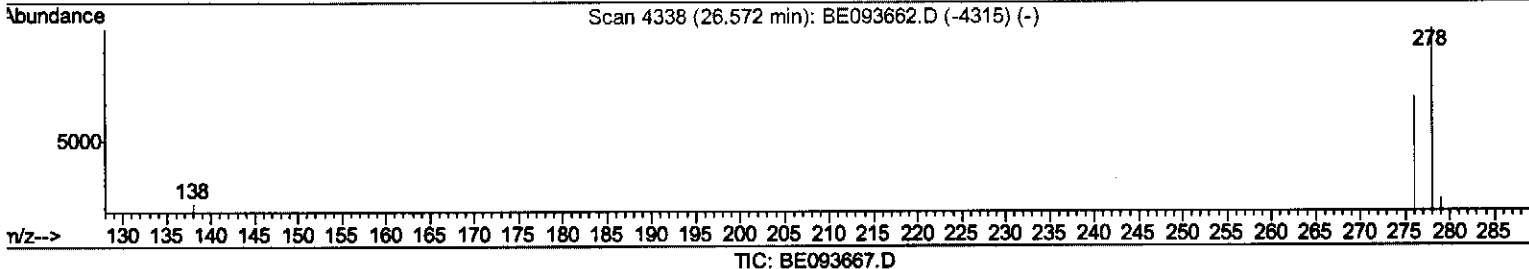
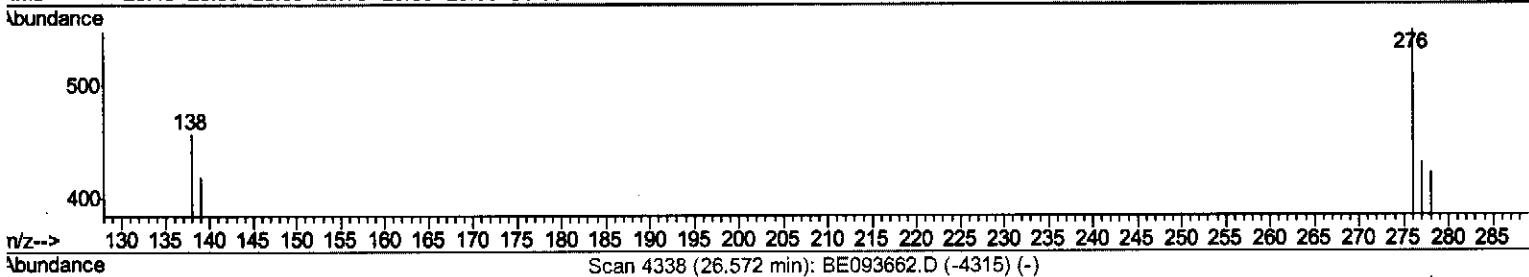
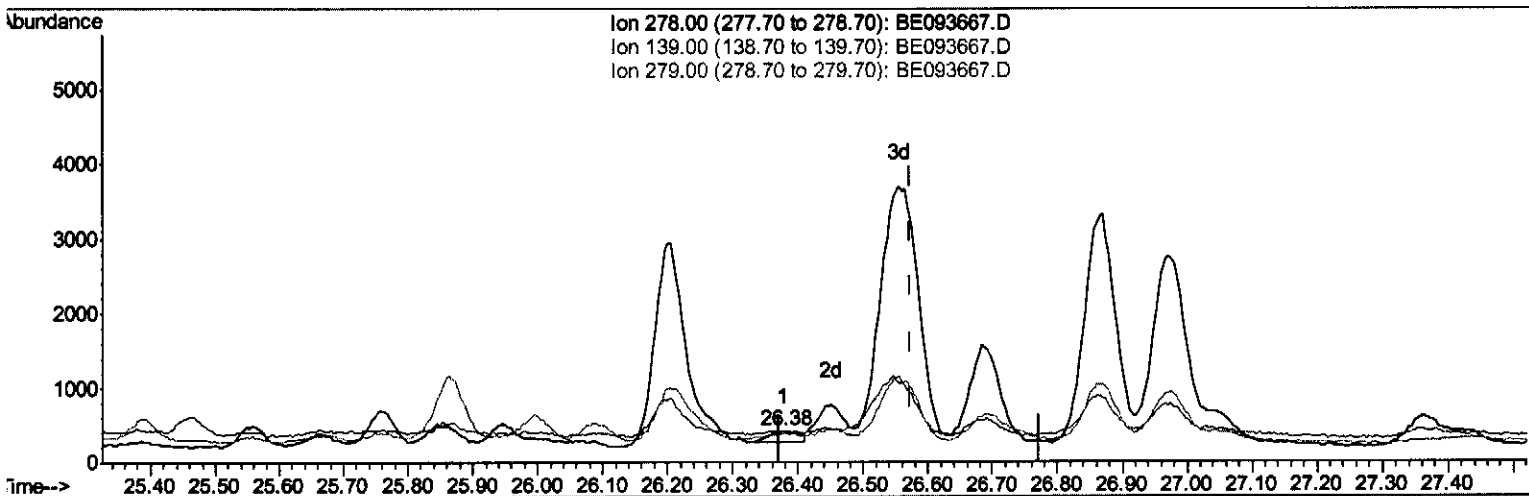
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:50:21 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



(25) Dibenzo(a,h)anthracene

26.378min (-0.195) 0.01ng/ul

response 492

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	99.29#
279.00	32.40	91.00#
0.00	0.00	0.00

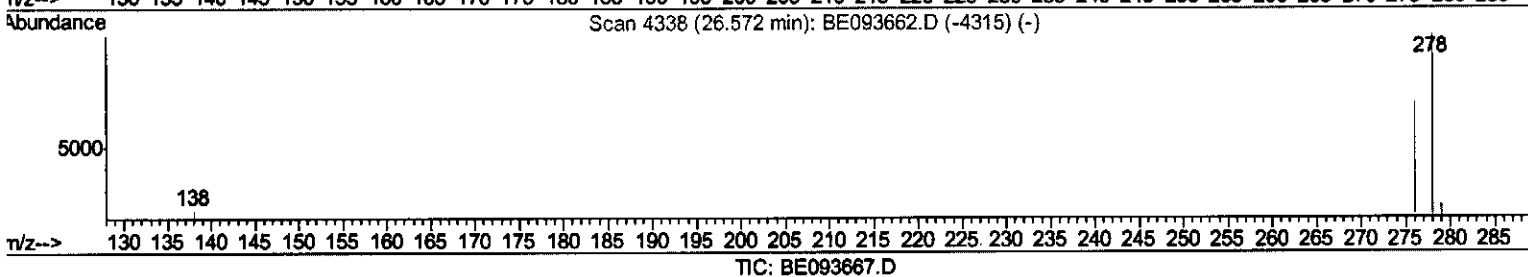
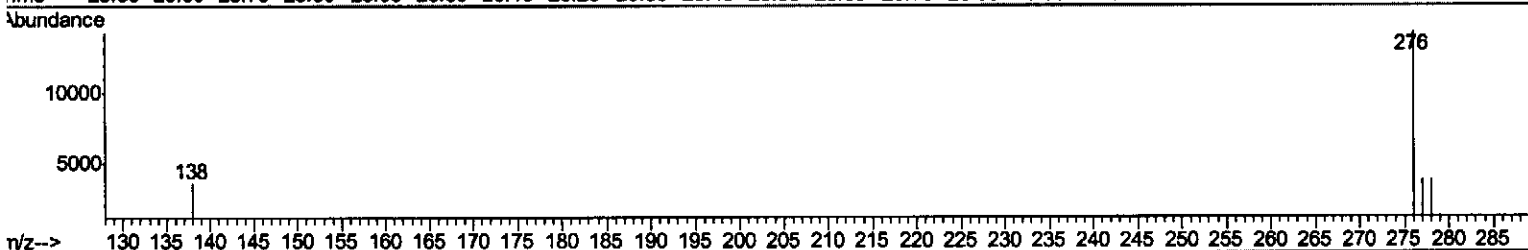
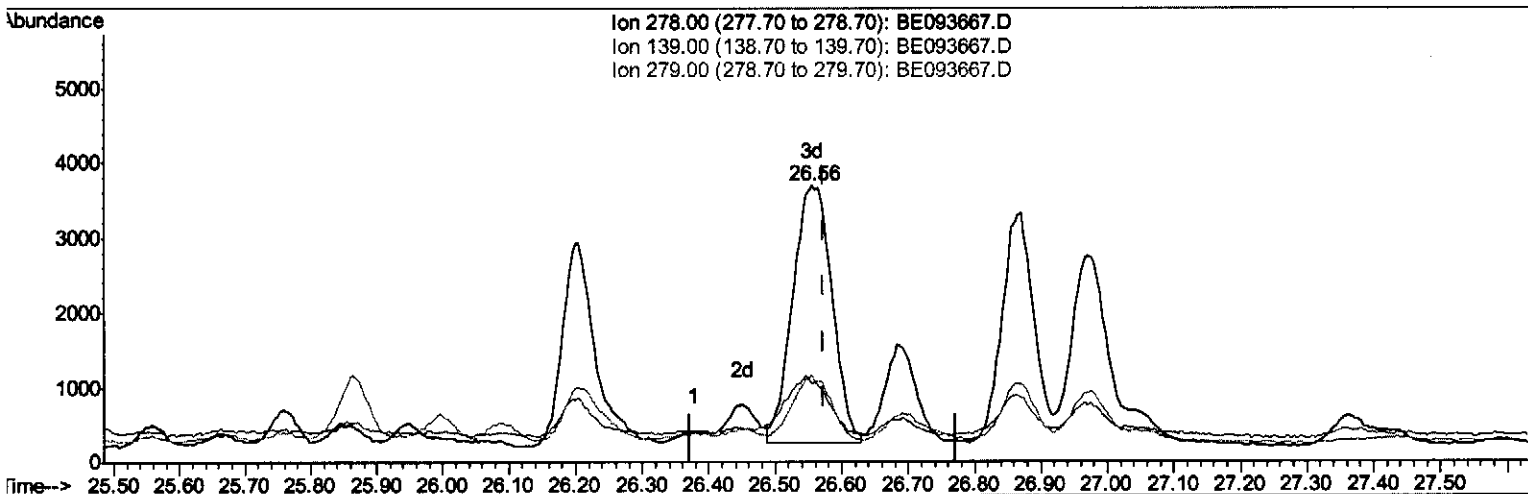
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:50:21 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



(25) Dibenzo(a,h)anthracene

26.556min (-0.017) 0.24ng/ul m

SJ 8/4/17

response 14107

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	28.59#
279.00	32.40	31.26
0.00	0.00	0.00

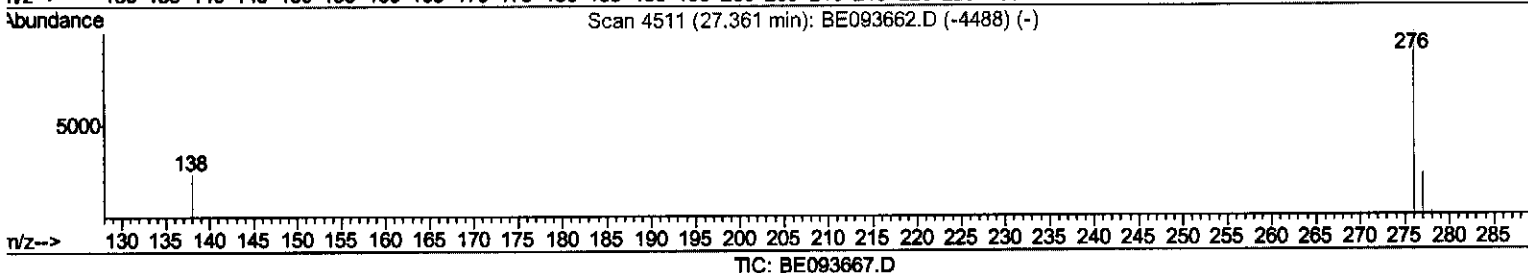
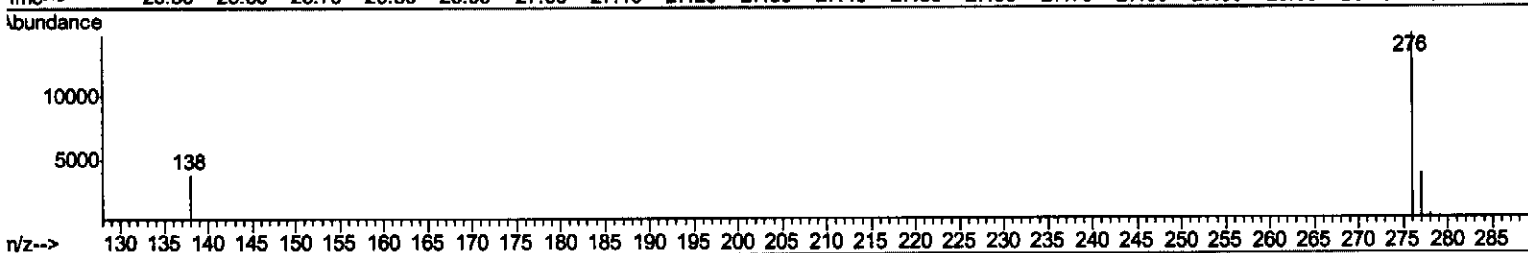
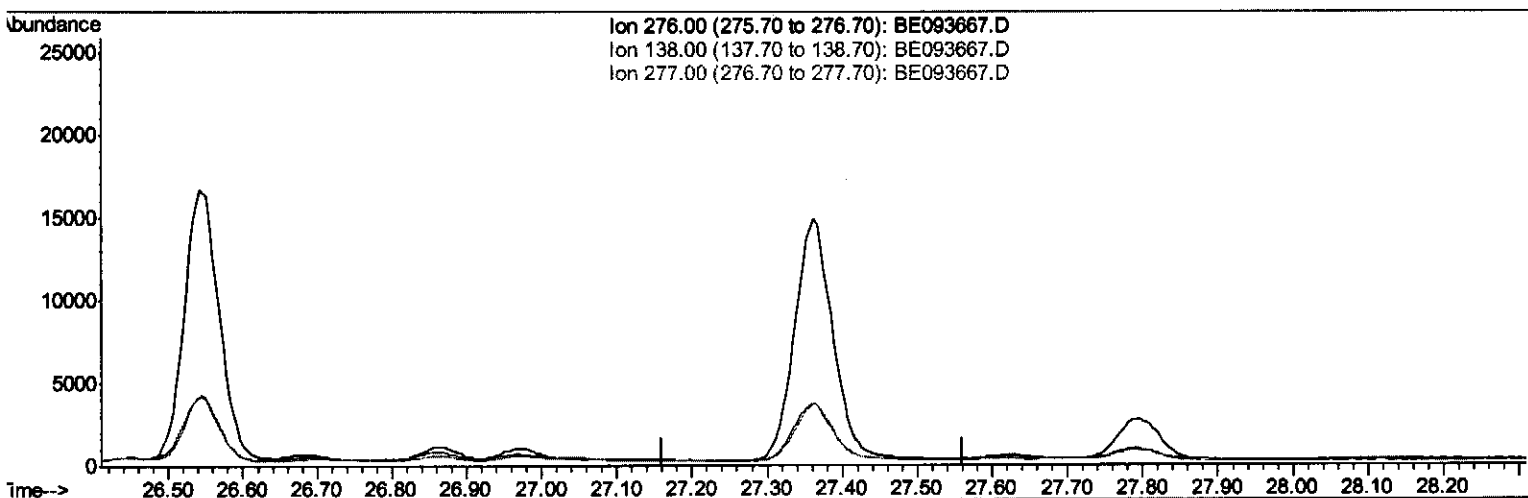
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:50:21 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



(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

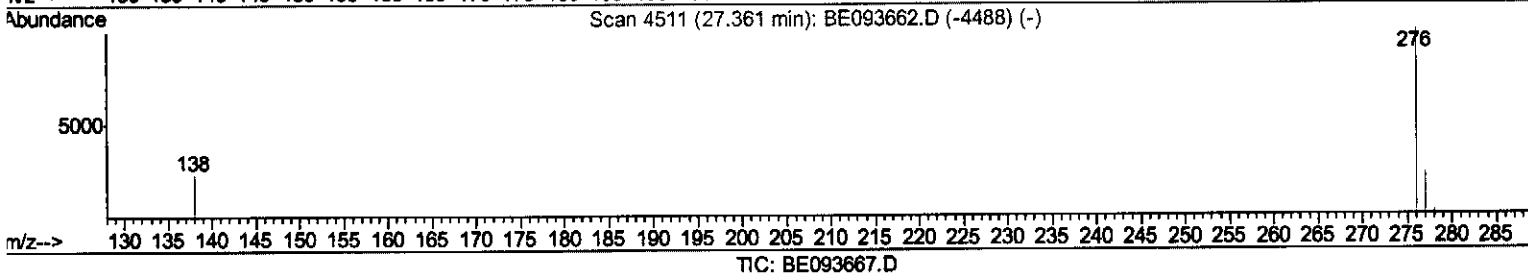
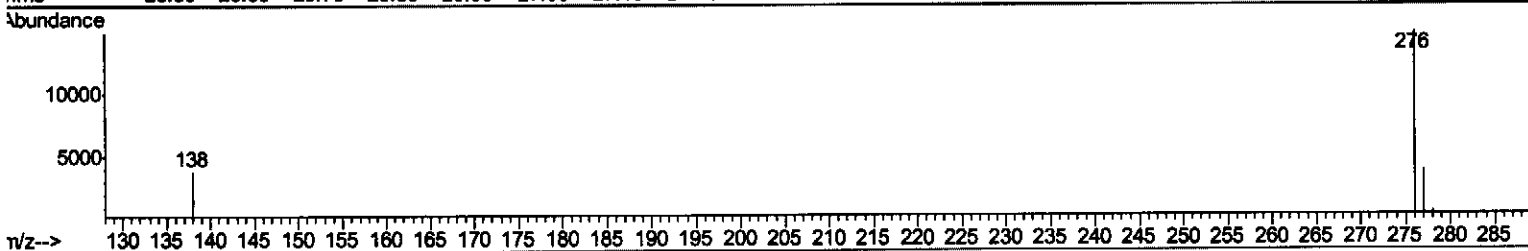
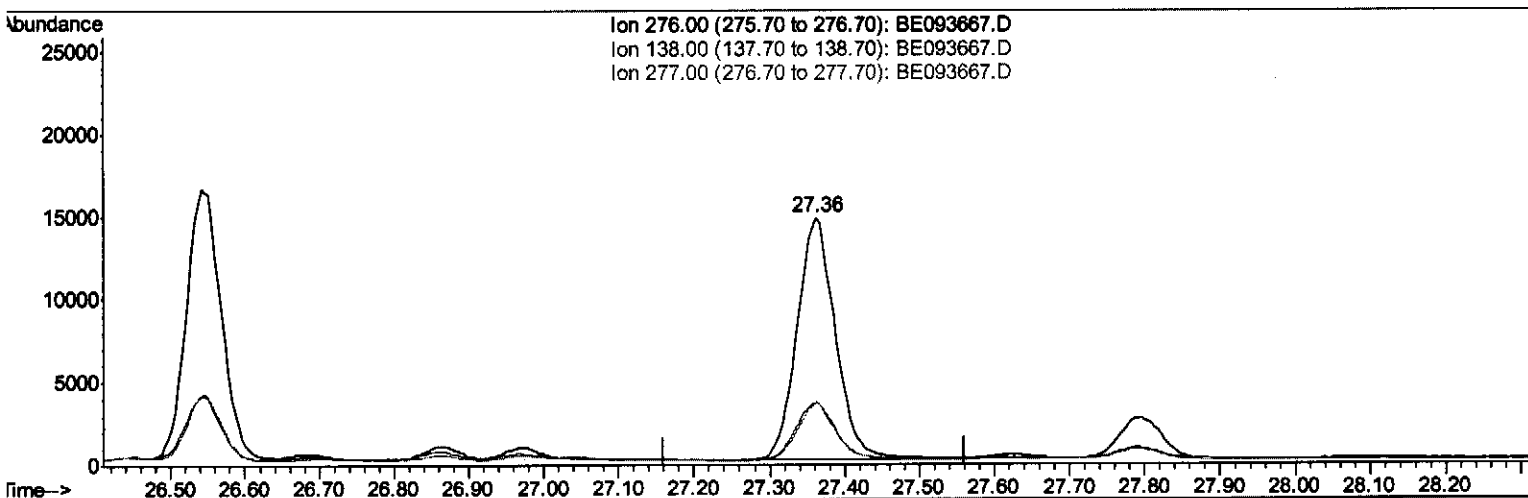
Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
Data File : BE093667.D
Acq On : 4 Aug 2017 12:30
Operator : SJ/JU
Sample : I4373-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:50:21 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



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

27.362min (+0.001) 0.89ng/ul m

response 52070

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.62
277.00	25.60	25.43
0.00	0.00	0.00

SJ 8/4/17

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080417\
 Data File : BE093667.D
 Acq On : 4 Aug 2017 12:30
 Operator : SJ/JU
 Sample : I4373-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA6

Manual Integrations
 APPROVED

Sohil
 8/4/2017 5:28:10 PM

Quant Time: Aug 04 16:51:53 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	7.93	152	3136	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	16392	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	10306	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	23175	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	24825	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	21367m	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	4191	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	14190	0.19	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	2860	0.072	ng/ul#	96
5) 2-Methylnaphthalene	12.36	142	2638	0.091	ng/ul	97
8) Acenaphthene	14.59	153	2055	0.061	ng/ul	96
9) Fluorene	15.58	166	2398	0.056	ng/ul	97
12) Phenanthrene	17.29	178	76931	1.219	ng/ul#	87
13) Anthracene	17.38	178	17738	0.289	ng/ul#	89
15) Fluoranthene	19.30	202	148950	1.887	ng/ul	84
17) Pyrene	19.66	202	132576	1.830	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	78814	1.095	ng/ul#	85
19) Chrysene	21.44	228	77835	1.127	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	116186m	1.758	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	41088m	0.630	ng/ul	
23) Benzo(a)pyrene	23.80	252	86617m	1.378	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.54	276	54277m	0.782	ng/ul	
25) Dibenzo(a,h)anthracene	26.56	278	14107m	0.243	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	52070m	0.890	ng/ul	

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