

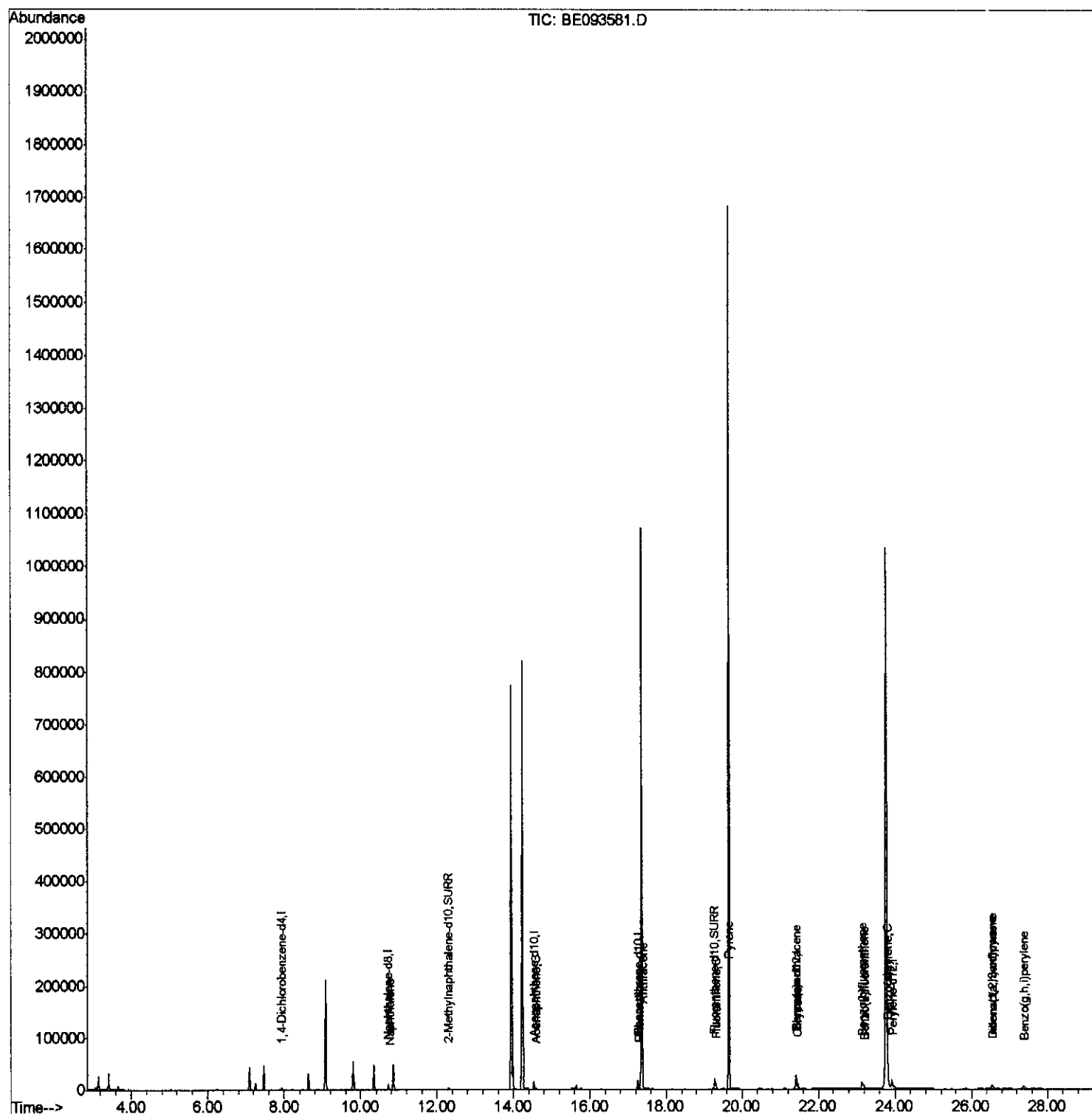
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:49:00 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



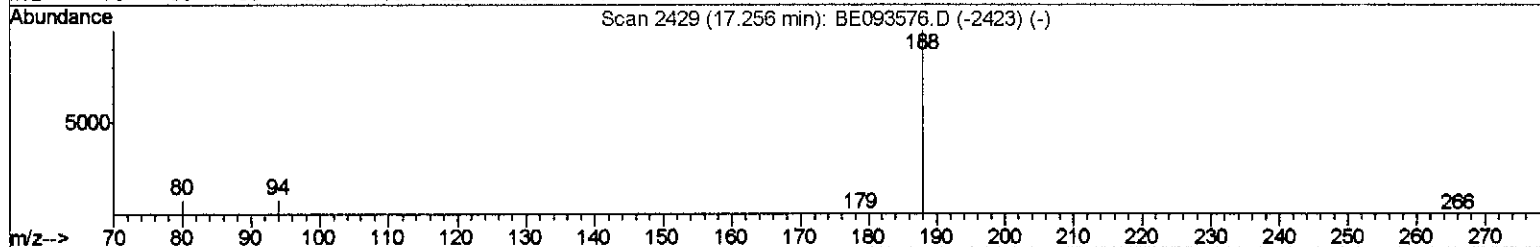
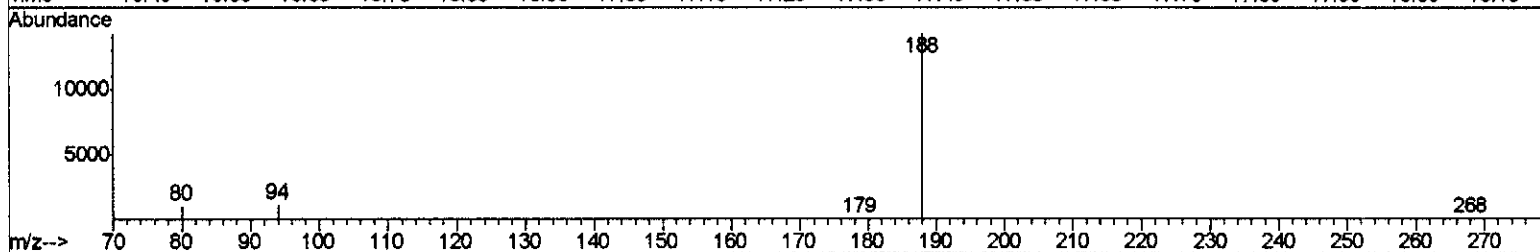
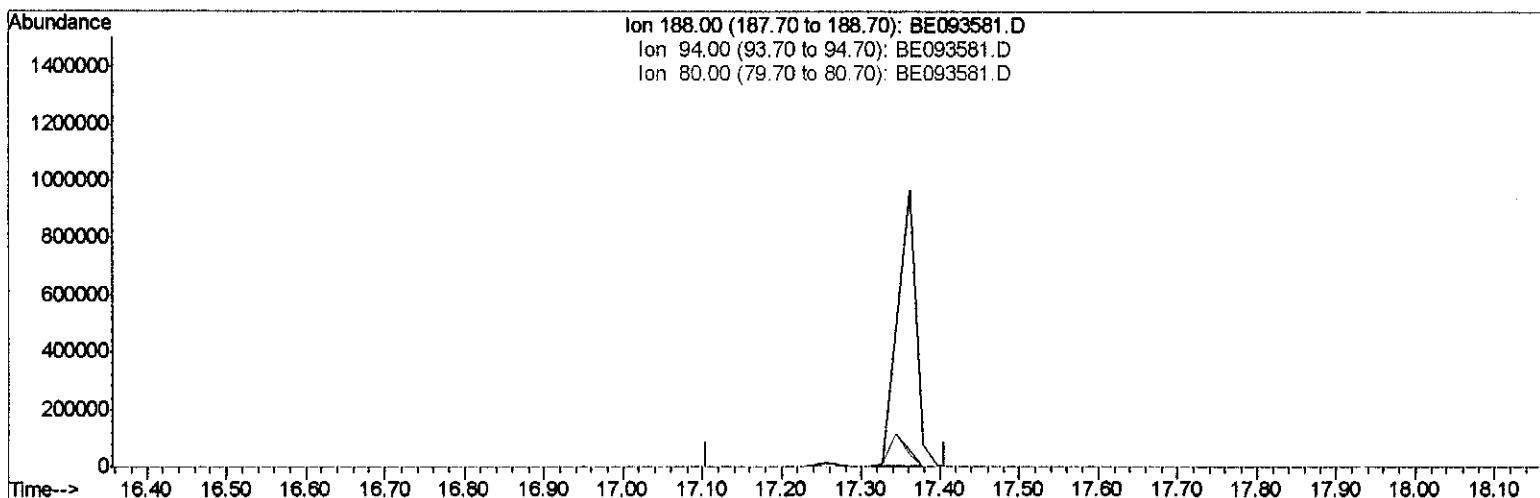
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:44:33 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: BE093581.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

Quantitation Report (Qedit)

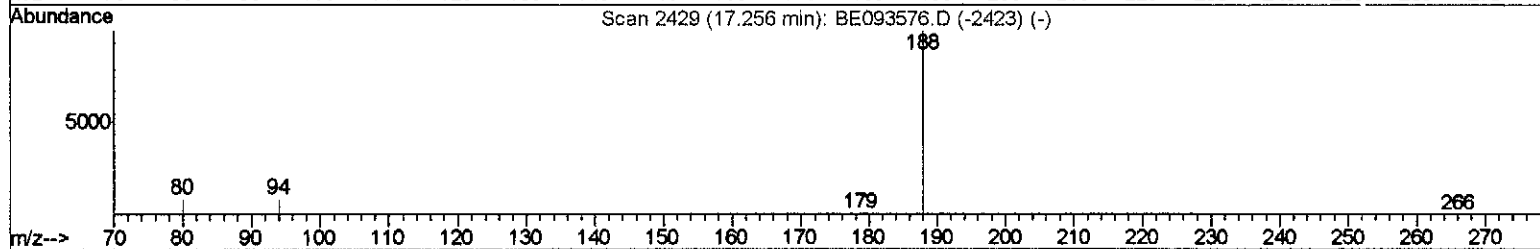
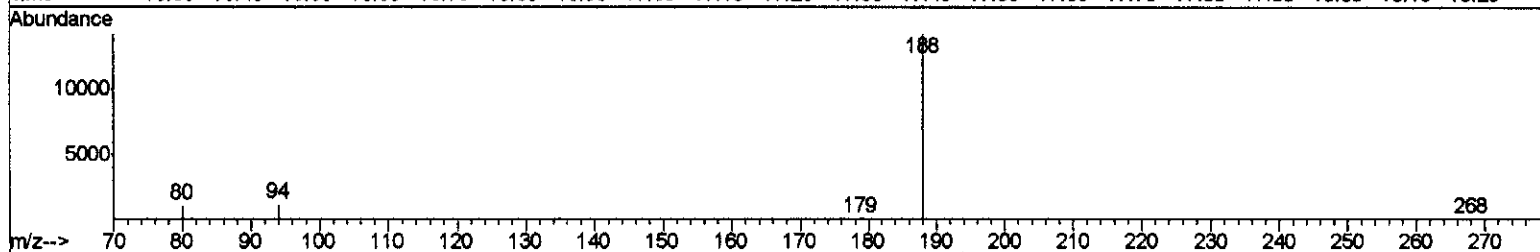
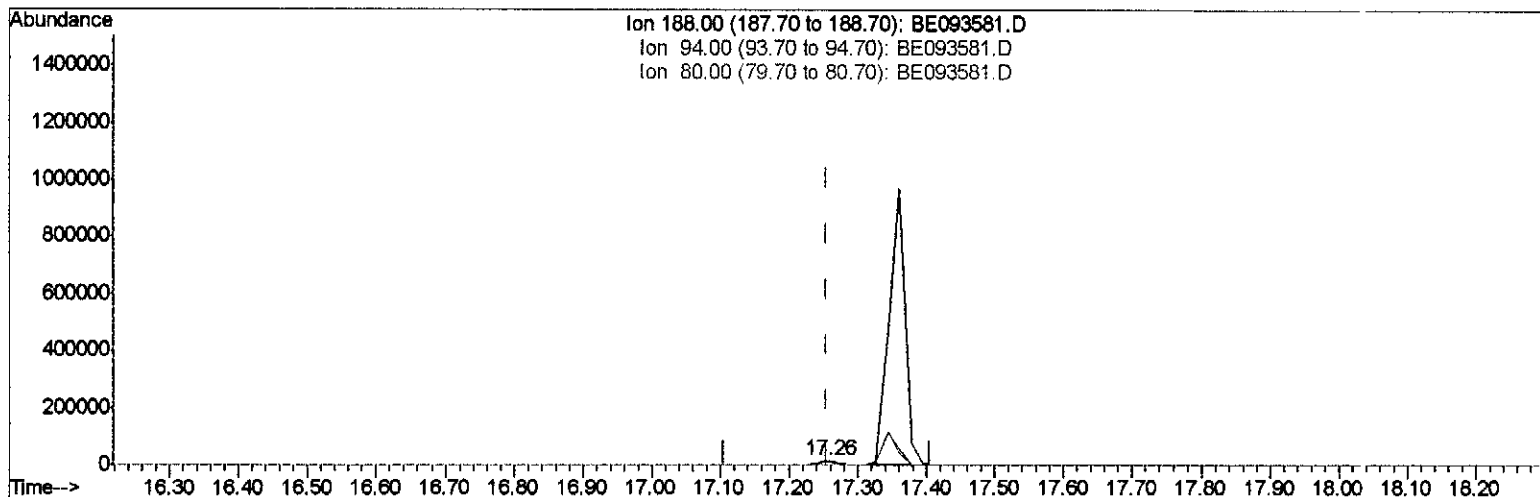
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:44:33 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: BE093581.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

SJ 8/8/17

response 20425

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.92#
80.00	11.80	7.41#
0.00	0.00	0.00

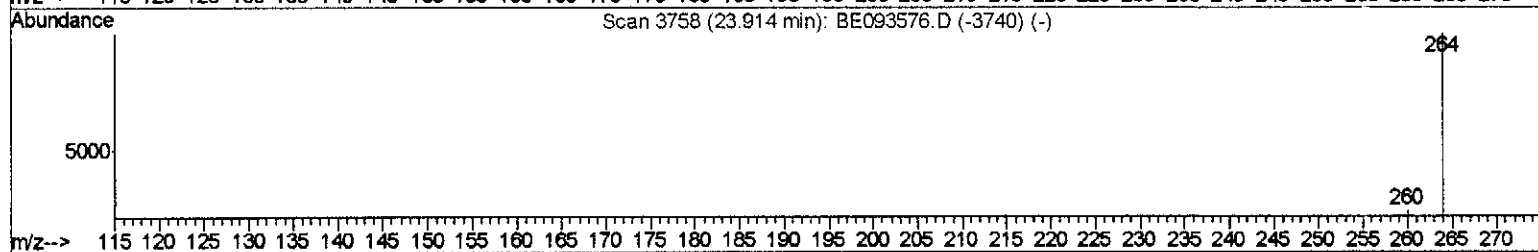
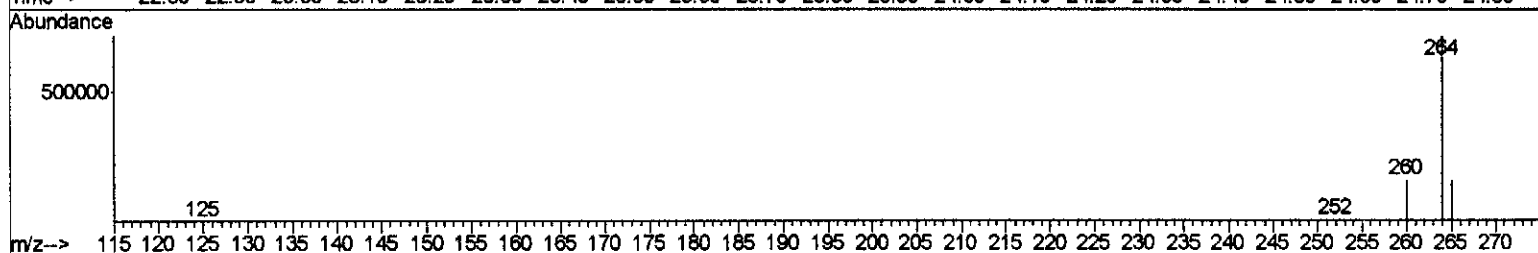
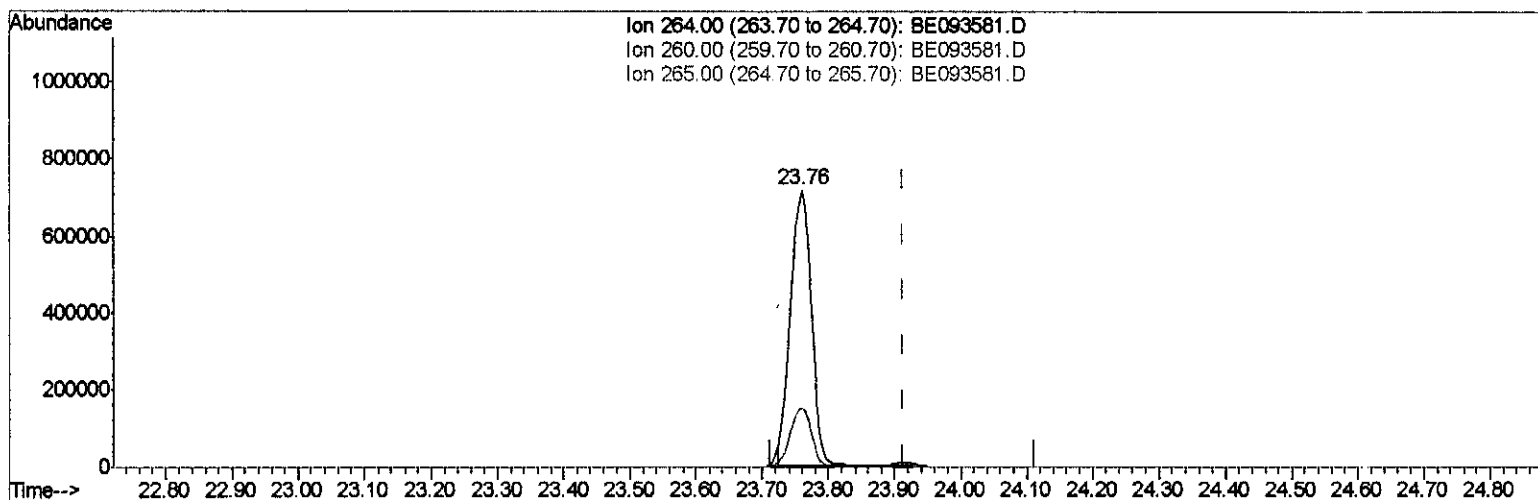
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:45:28 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: BE093581.D

(20) Perylene-d12 (I)

23.760min (-0.154) 0.40ng/ui

response 1571307

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.47#
265.00	103.50	21.54#
0.00	0.00	0.00

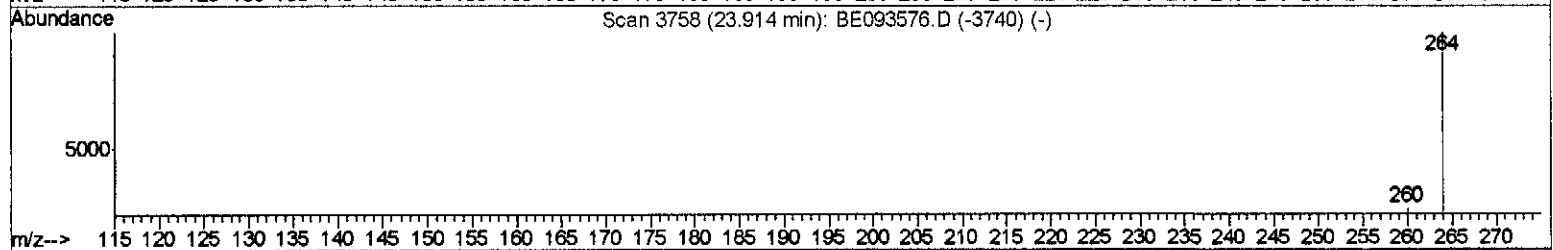
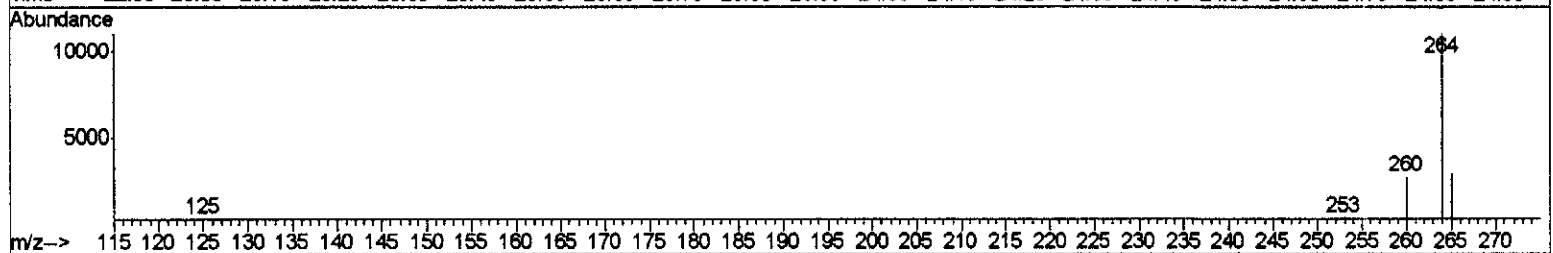
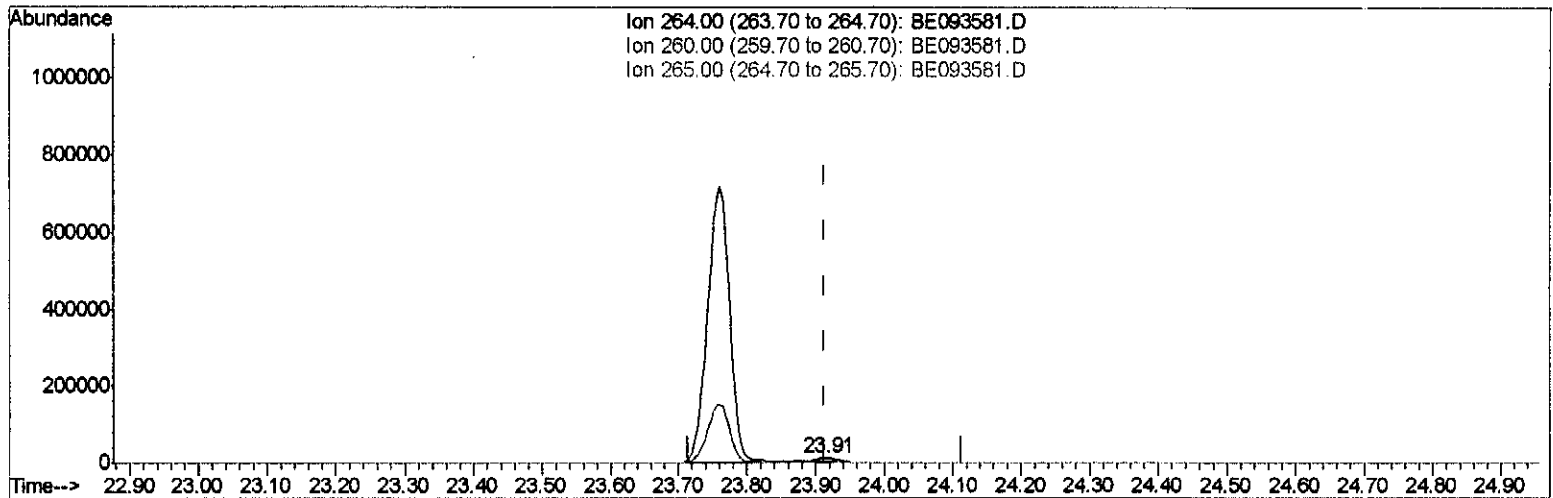
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:45:28 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: BE093581.D

(20) Perylene-d12 (I)

23.915min (+0.001) 0.40ng/ul m

SJ 8/8/17

response 18237

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.05#
265.00	103.50	25.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

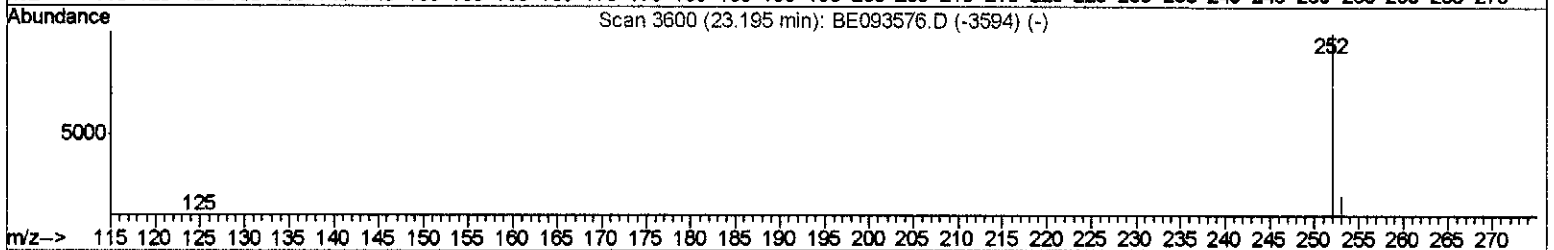
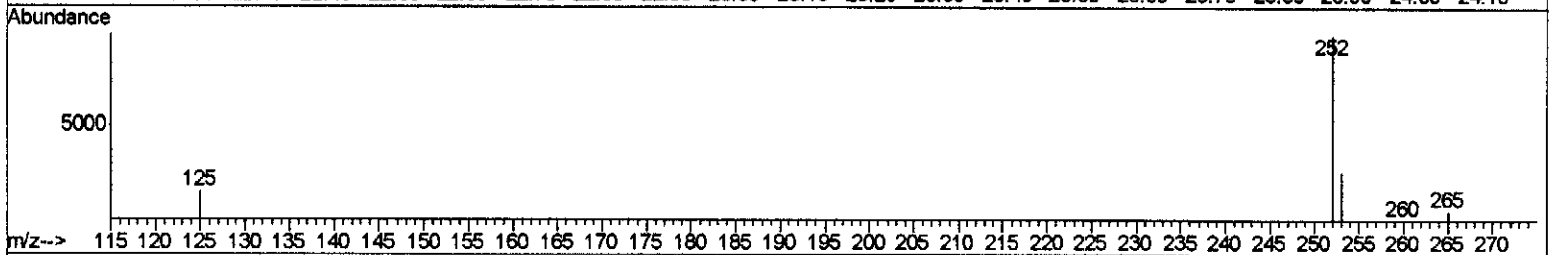
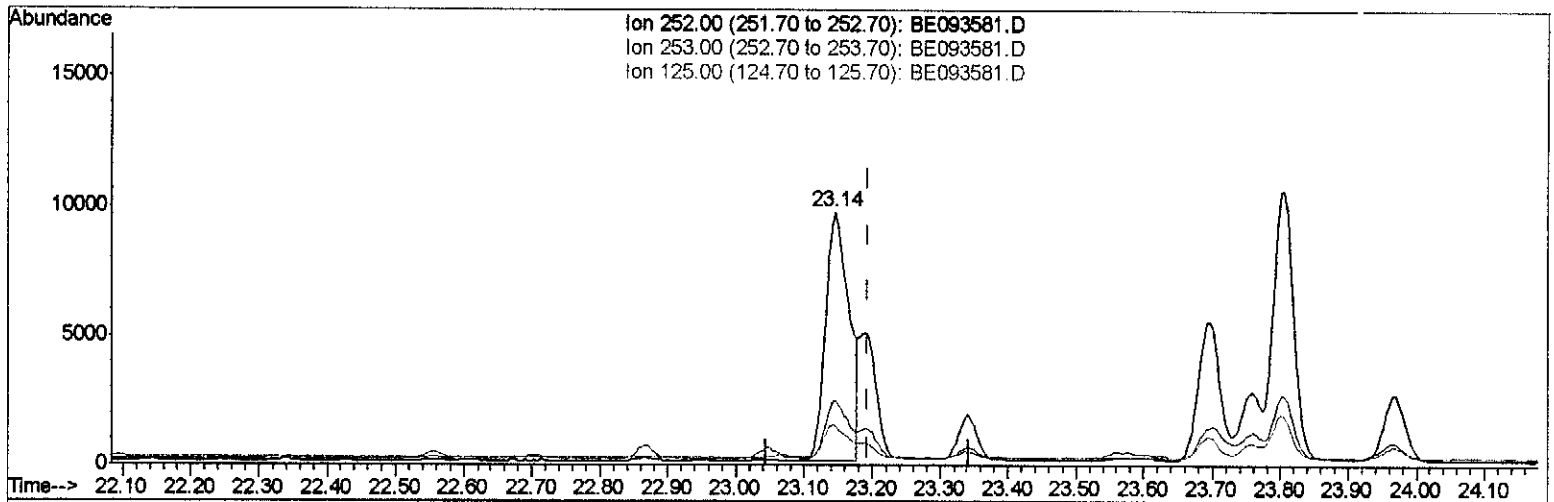
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 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: BE093581.D

(22) Benzo(k)fluoranthene
 23.145min (-0.050) 0.43ng/ul
 response 23647

ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.93
125.00	17.10	15.73
0.00	0.00	0.00

Quantitation Report (Qedit)

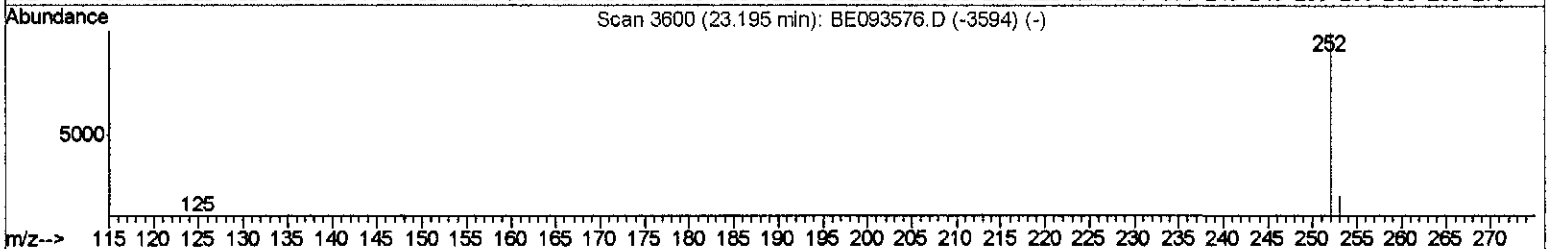
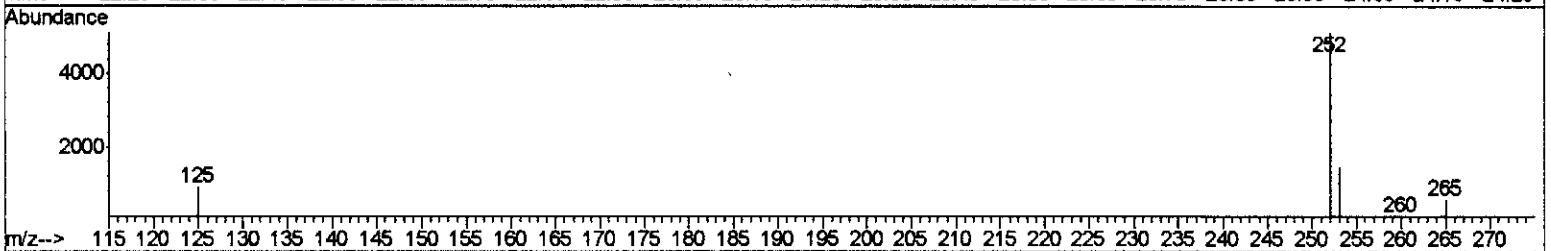
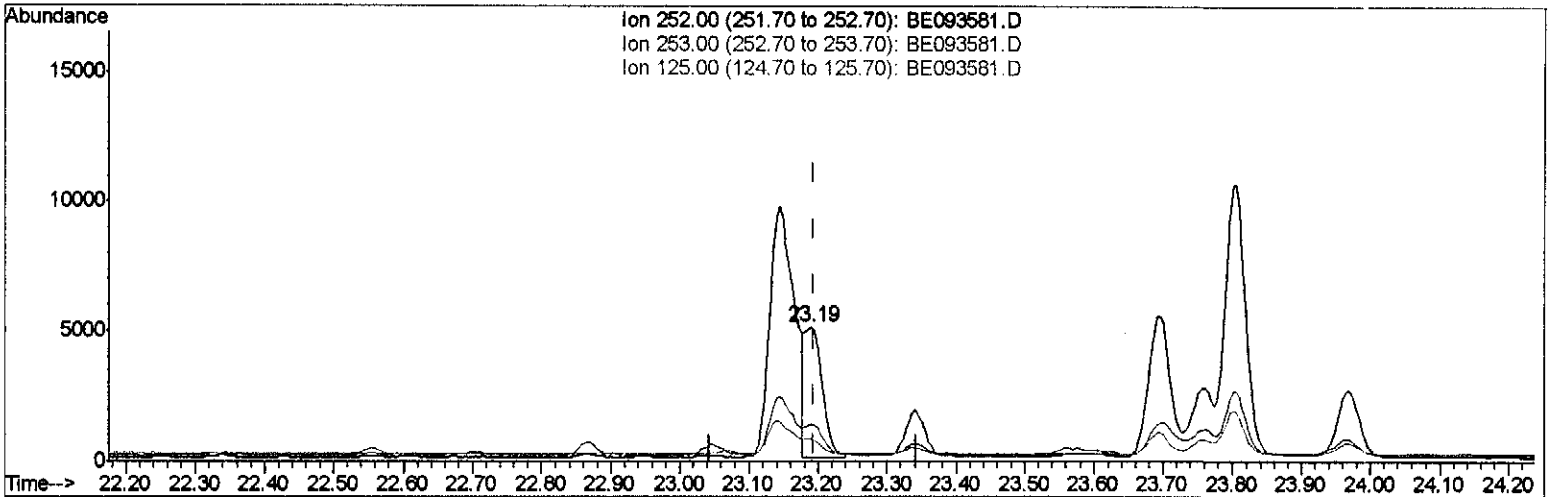
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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 Response via : Initial Calibration



TIC: BE093581.D

(22) Benzo(k)fluoranthene

23.190min (-0.004) 0.16ng/ul m

SJ 8/8/17

response 8785

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.32
125.00	17.10	17.09
0.00	0.00	0.00

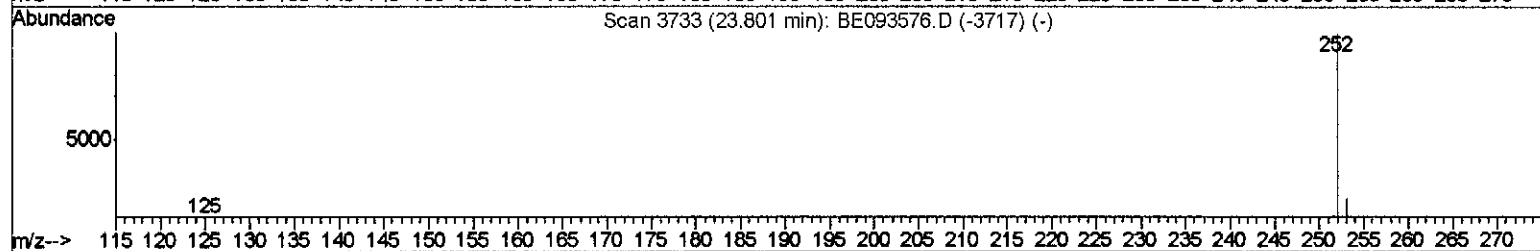
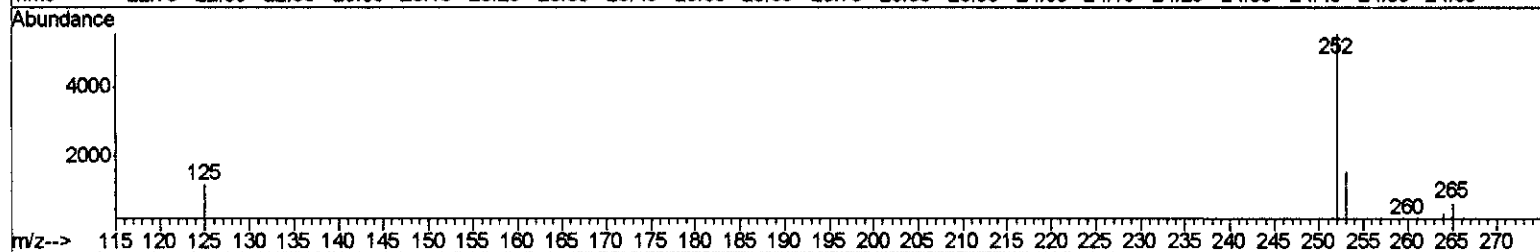
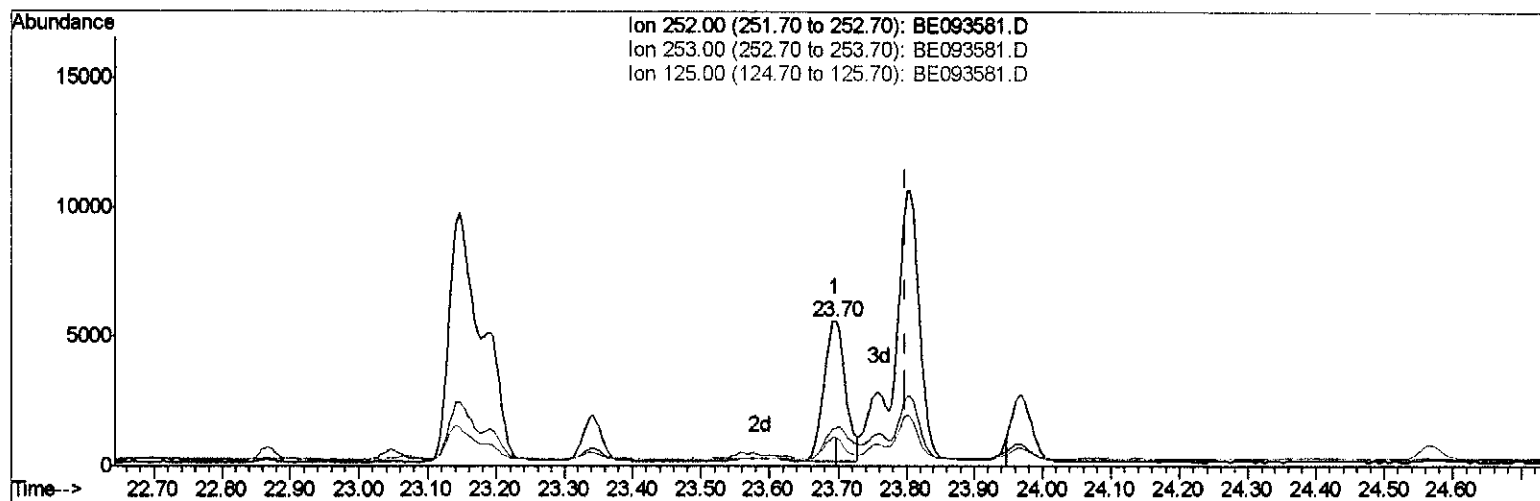
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE093581.D

(23) Benzo(a)pyrene (C)

23.696min (-0.104) 0.23ng/ul

response 12088

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.97#
125.00	22.60	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

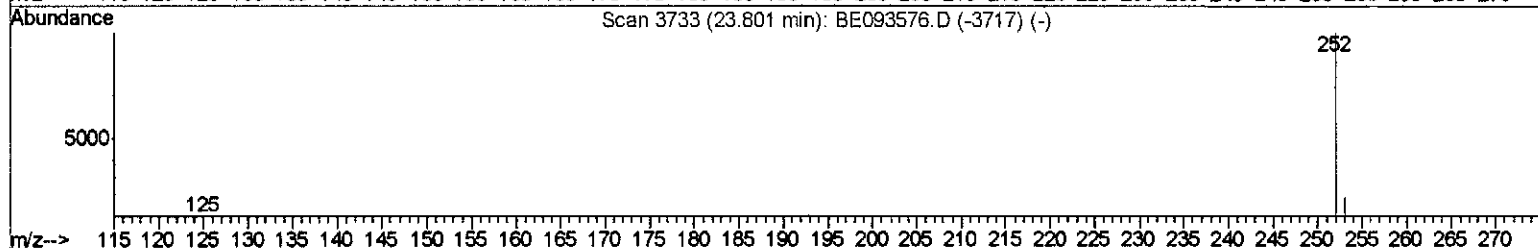
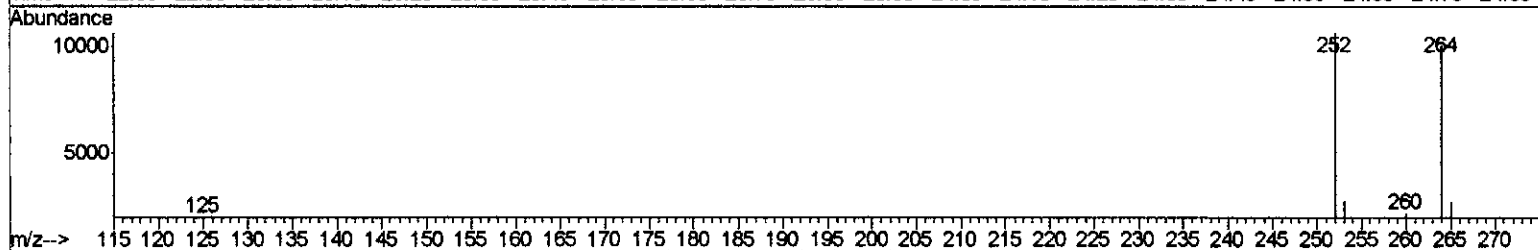
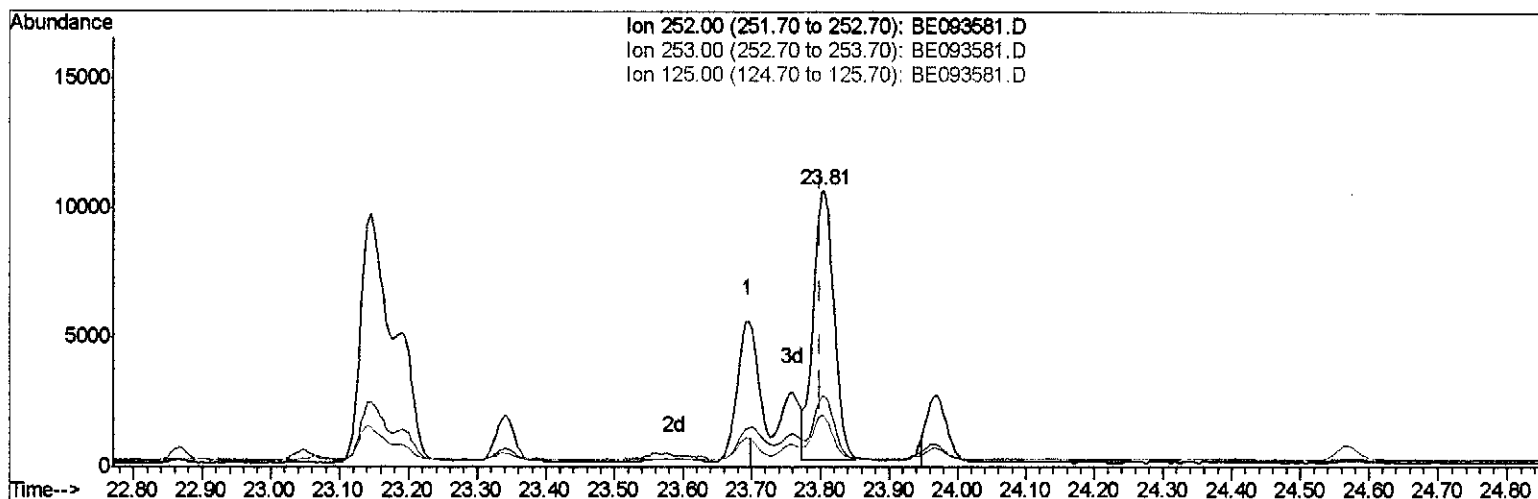
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 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: BE093581.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.40ng/ul m

response 21608

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.56#
125.00	22.60	18.34
0.00	0.00	0.00

51
8/8/17

Quantitation Report (Qedit)

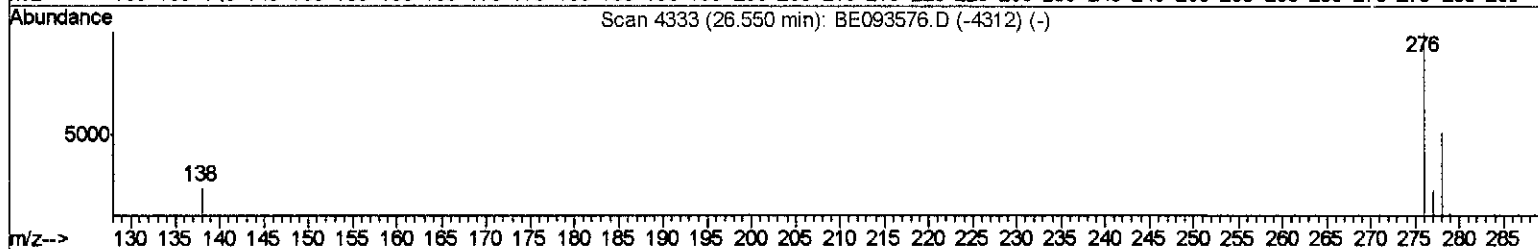
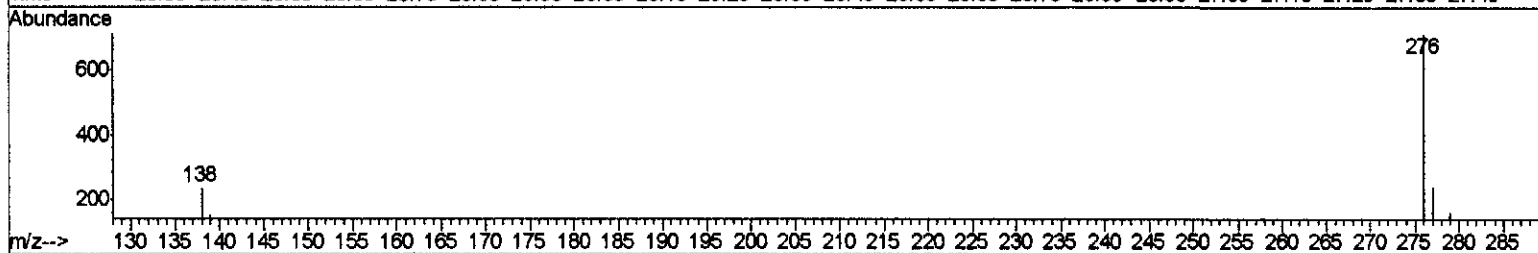
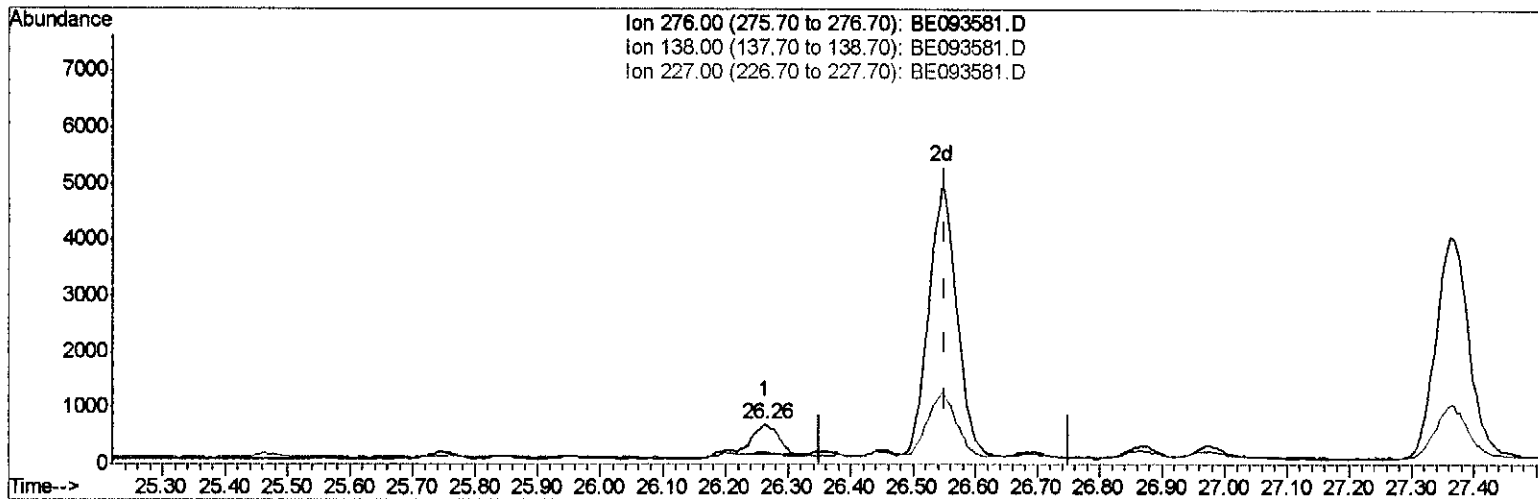
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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(24) Indeno(1,2,3-cd)pyrene

26.264min (-0.288) 0.03ng/ul

response 1525

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	18.56#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

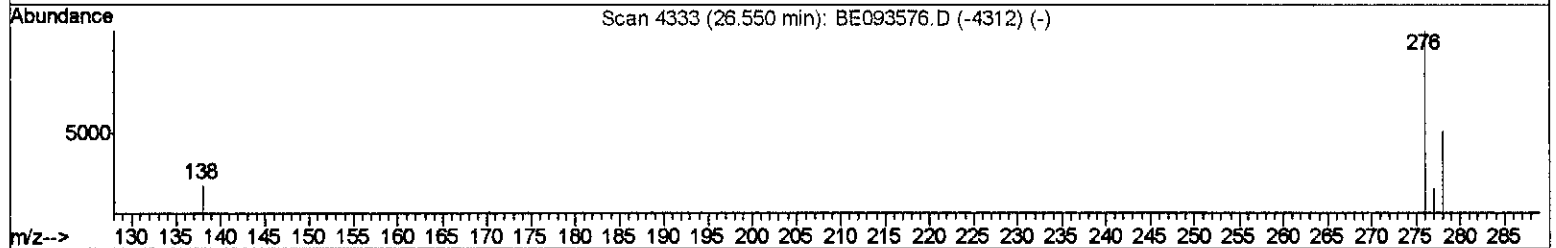
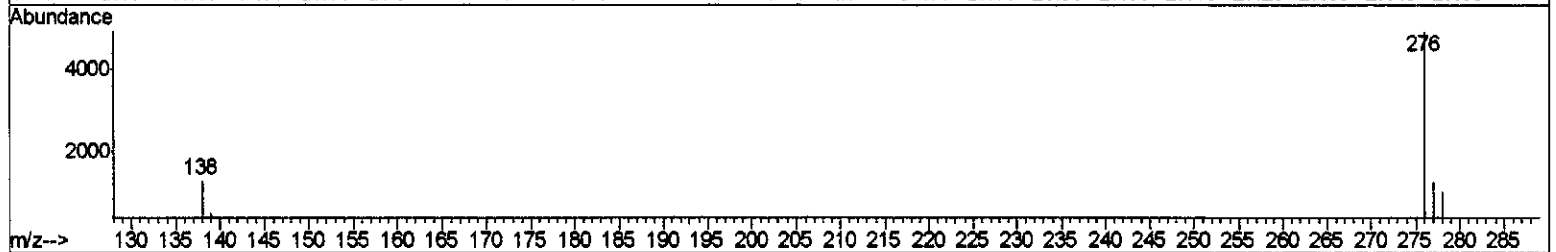
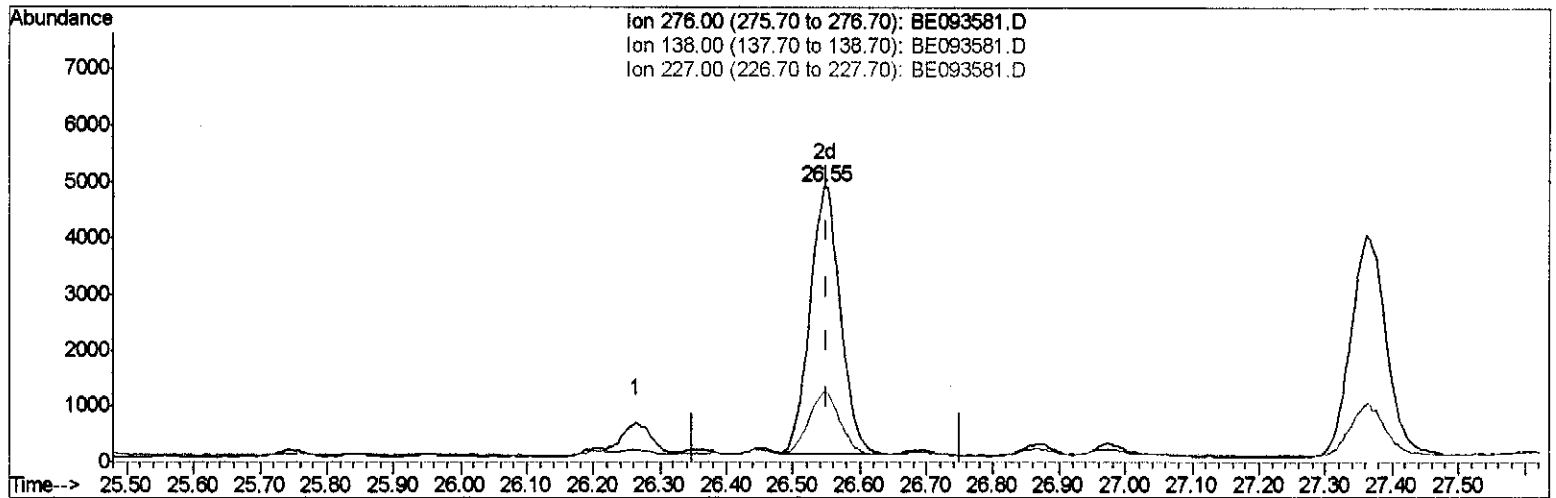
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
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 Response via : Initial Calibration



TIC: BE093581.D

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

26.546min (-0.005) 0.26ng/ul m

response 15267

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.85#
227.00	10.00	0.00#
0.00	0.00	0.00

SJ
 8/8/17

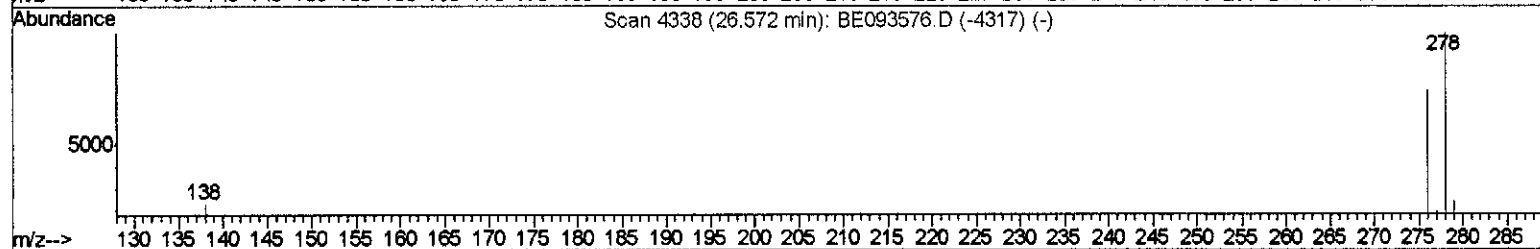
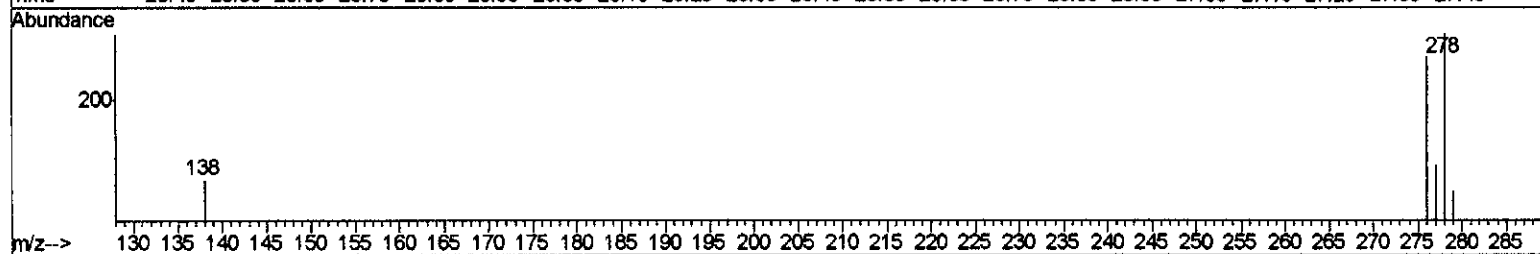
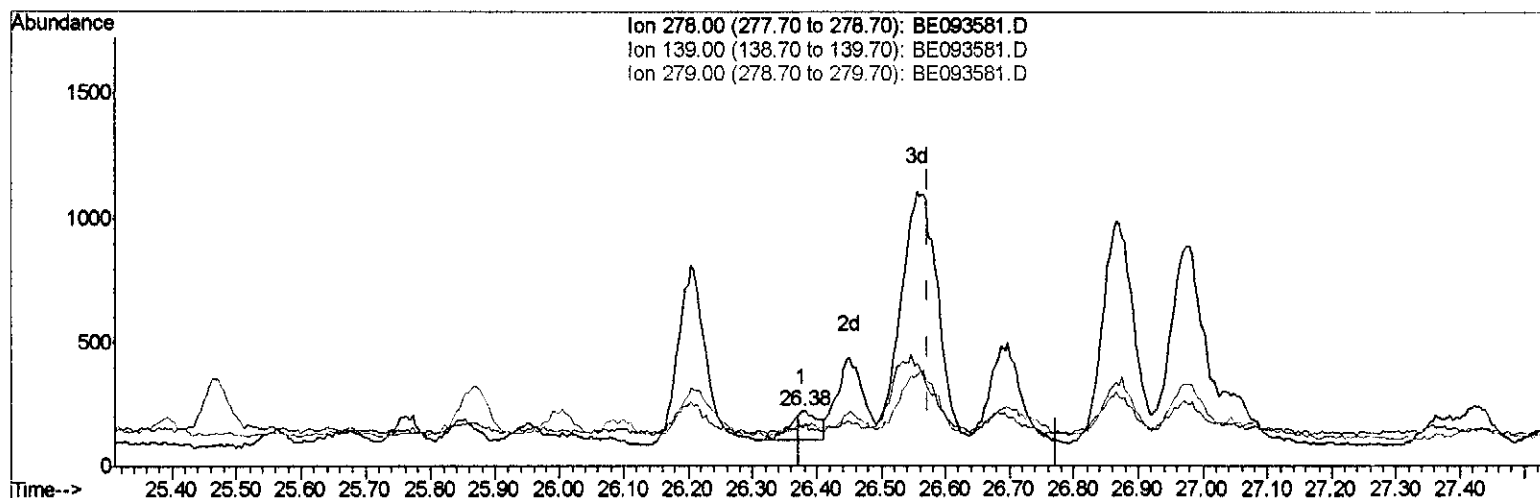
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
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Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
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TIC: BE093581.D

(25) Dibenzo(a,h)anthracene

26.378min (-0.196) 0.01ng/ul

response 364

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	70.85#
279.00	32.40	75.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

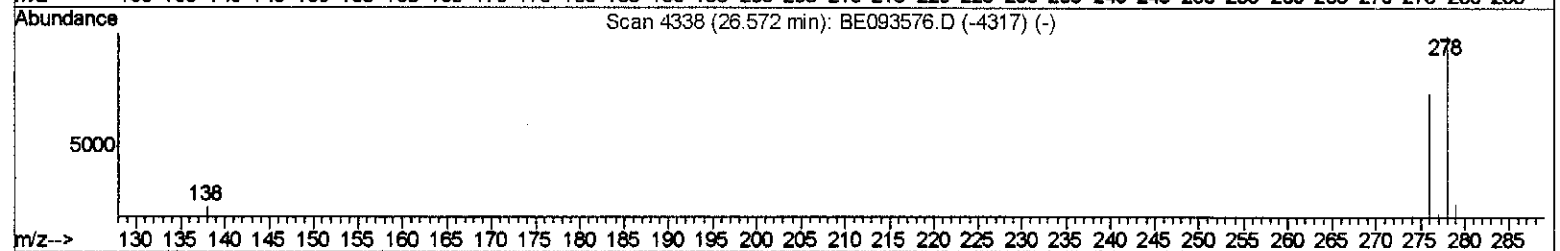
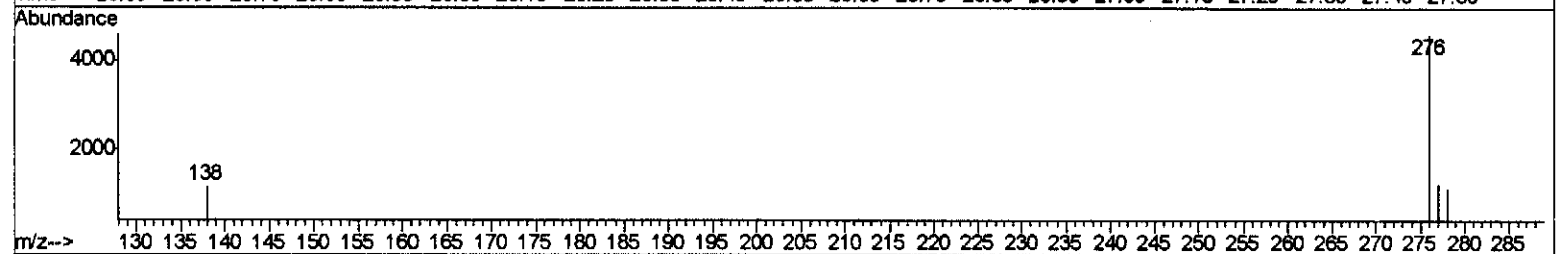
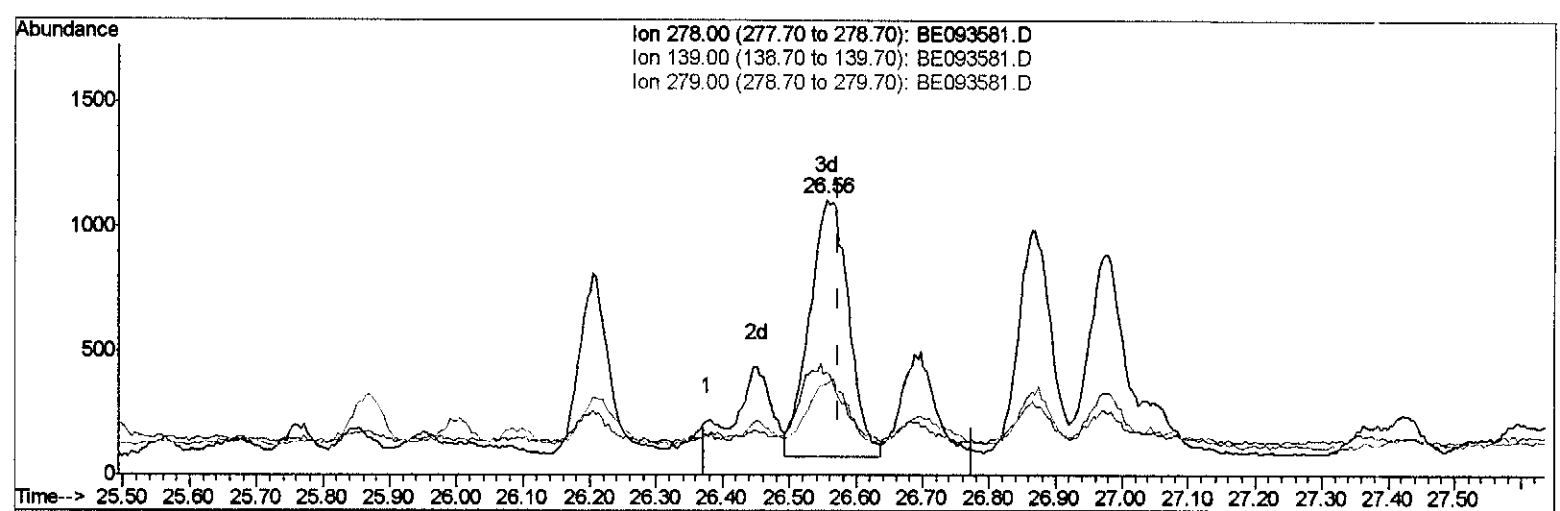
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.555min (-0.019) 0.09ng/ul m

response 4222

SJ
8/8/17

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	37.62%
279.00	32.40	33.75
0.00	0.00	0.00

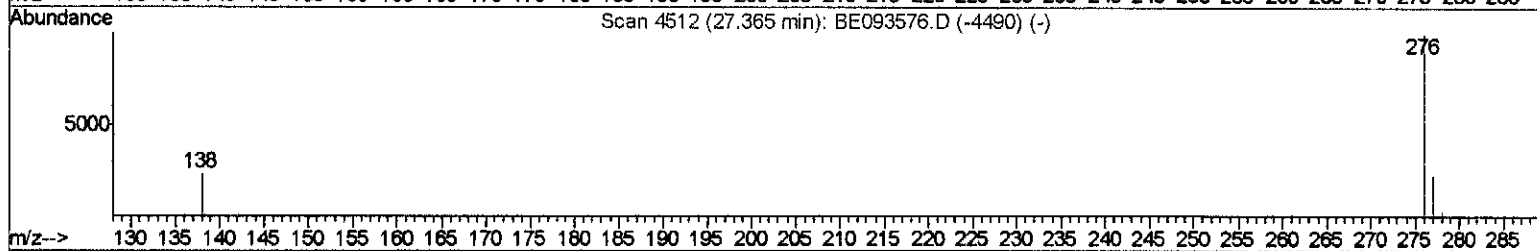
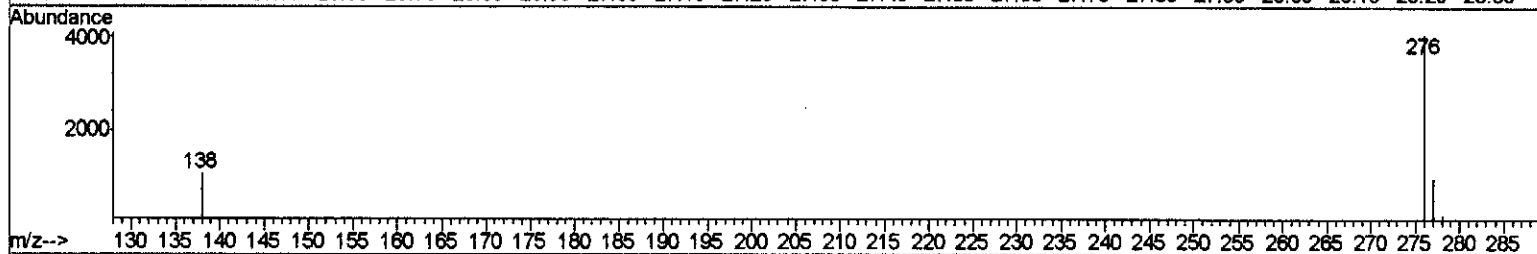
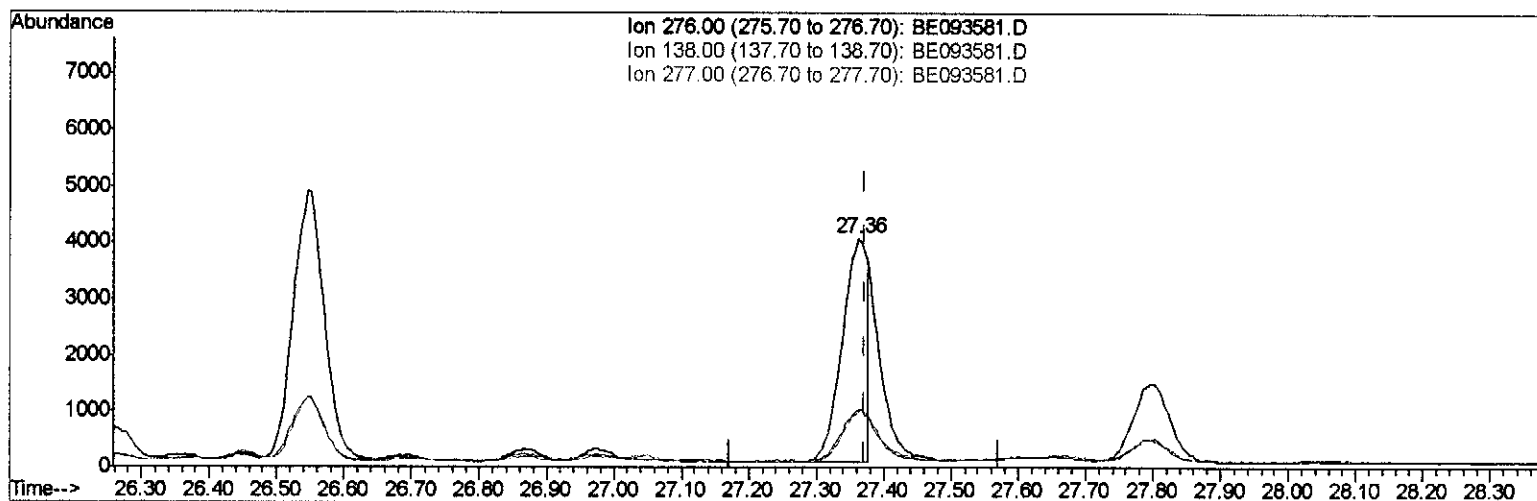
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093581.D
Acq On : 25 Jul 2017 17:25
Operator : SJ/JU
Sample : I4209-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B06

Manual Integrations
APPROVED

Sohil
7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 2017
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TIC: BE093581.D

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

27.362min (-0.010) 0.21ng/ul

response 10371

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.07
277.00	25.60	24.69
0.00	0.00	0.00

Quantitation Report (Qedit)

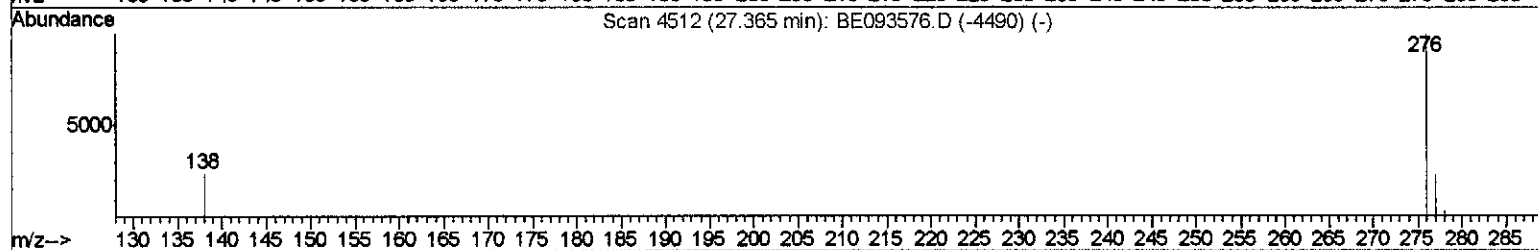
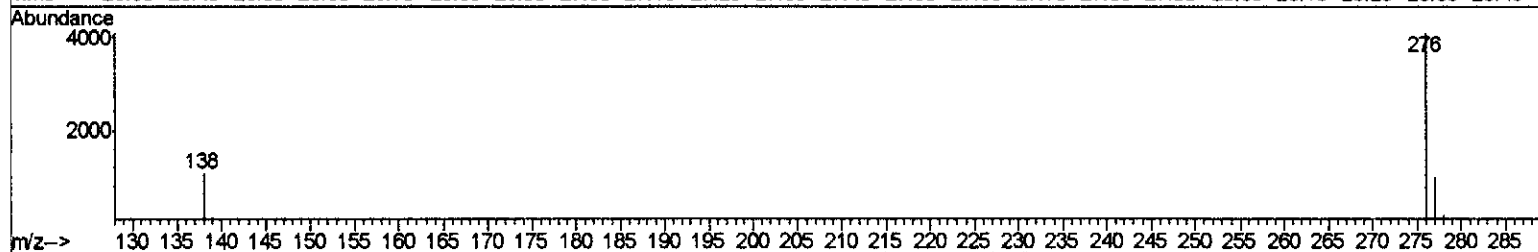
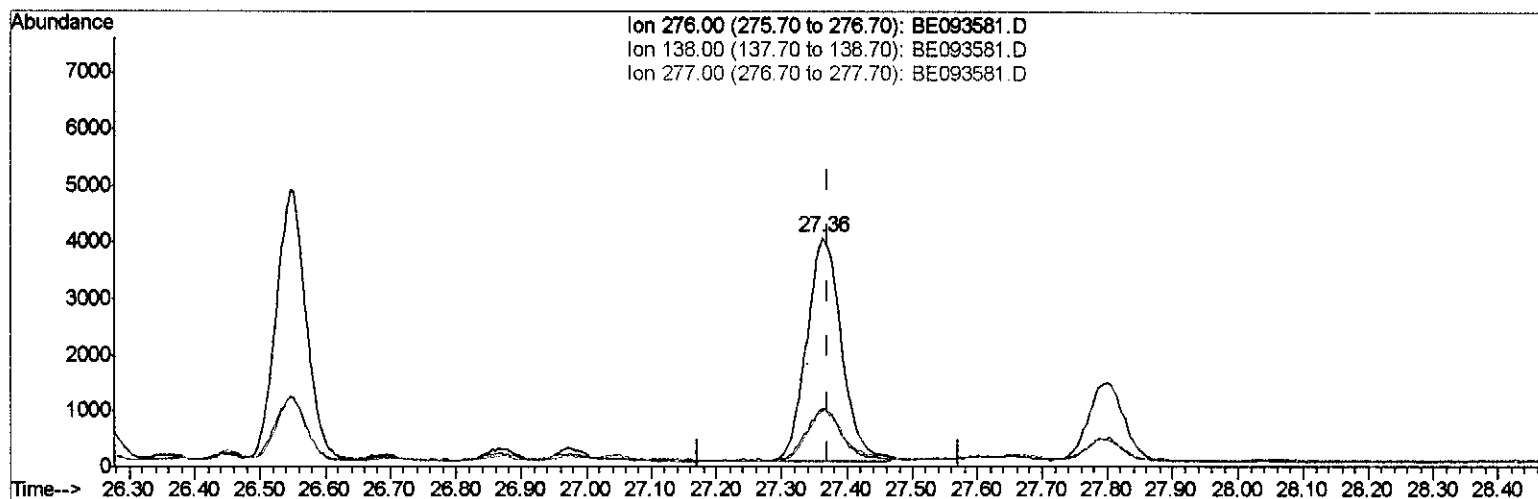
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:46:38 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: BE093581.D

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

27.362min (-0.010) 0.30ng/ui m

response 15018

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.07
277.00	25.60	24.69
0.00	0.00	0.00

SJ
 8/8/17

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093581.D
 Acq On : 25 Jul 2017 17:25
 Operator : SJ/JU
 Sample : I4209-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B06

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:55:50 PM

Quant Time: Jul 25 18:49:00 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	2321	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	12463	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	8386	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20425m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	22105	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	18237m	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	6447	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	21080	0.33	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	2611	0.086	ng/ul#	96
8) Acenaphthene	14.59	153	1256	0.046	ng/ul	98
12) Phenanthrene	17.29	178	4906	0.088	ng/ul#	89
13) Anthracene	17.38	178	1976	0.036	ng/ul#	75
15) Fluoranthene	19.30	202	13570	0.195	ng/ul	84
17) Pyrene	19.67	202	17607	0.273	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	12360	0.193	ng/ul#	88
19) Chrysene	21.45	228	12426	0.202	ng/ul	96
21) Benzo(b)fluoranthene	23.14	252	23647	0.419	ng/ul	91
22) Benzo(k)fluoranthene	23.19	252	8785m	0.158	ng/ul	
23) Benzo(a)pyrene	23.81	252	21608m	0.403	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	15267m	0.258	ng/ul	
25) Dibenzo(a,h)anthracene	26.56	278	4222m	0.085	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	15018m	0.301	ng/ul	

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