

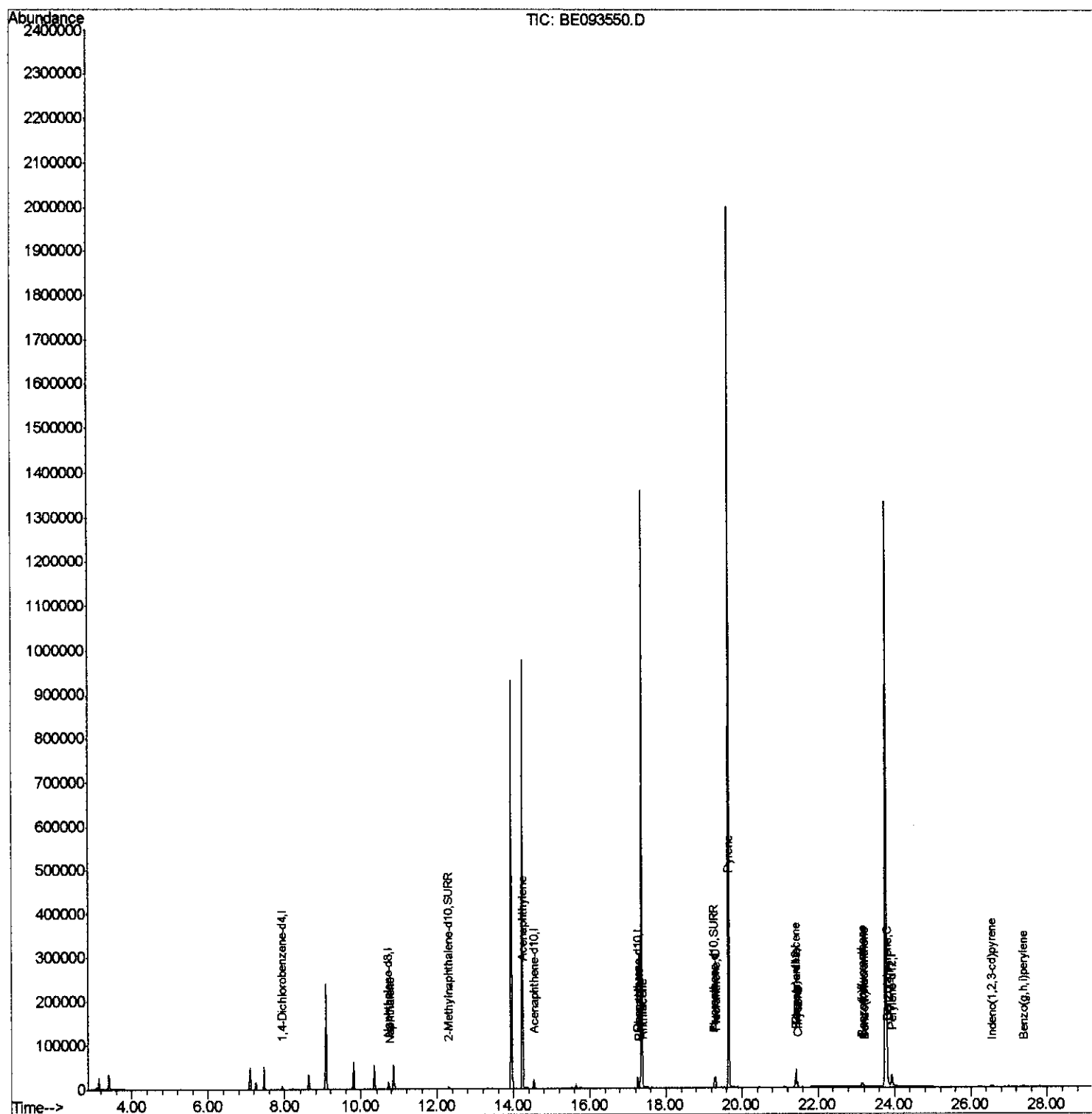
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:41:46 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



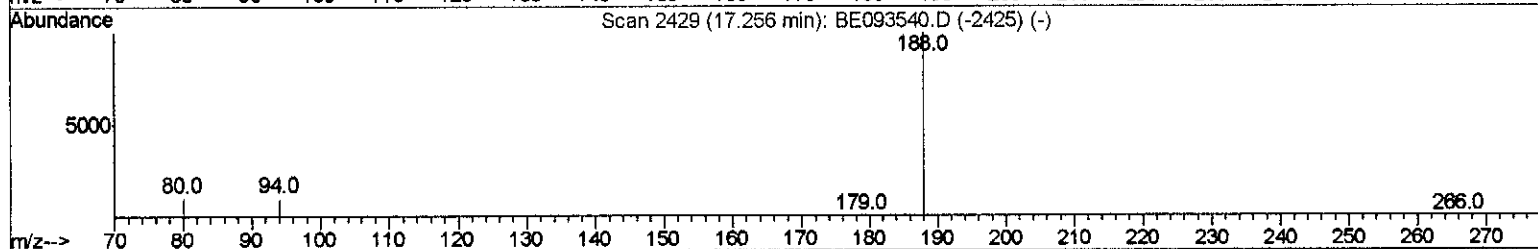
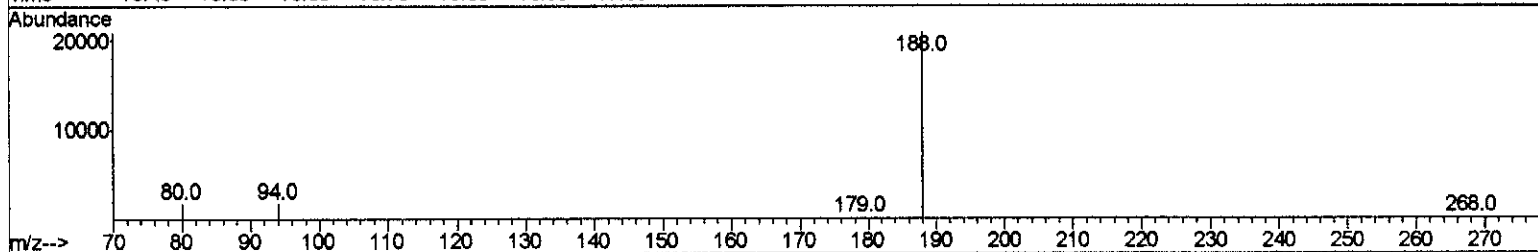
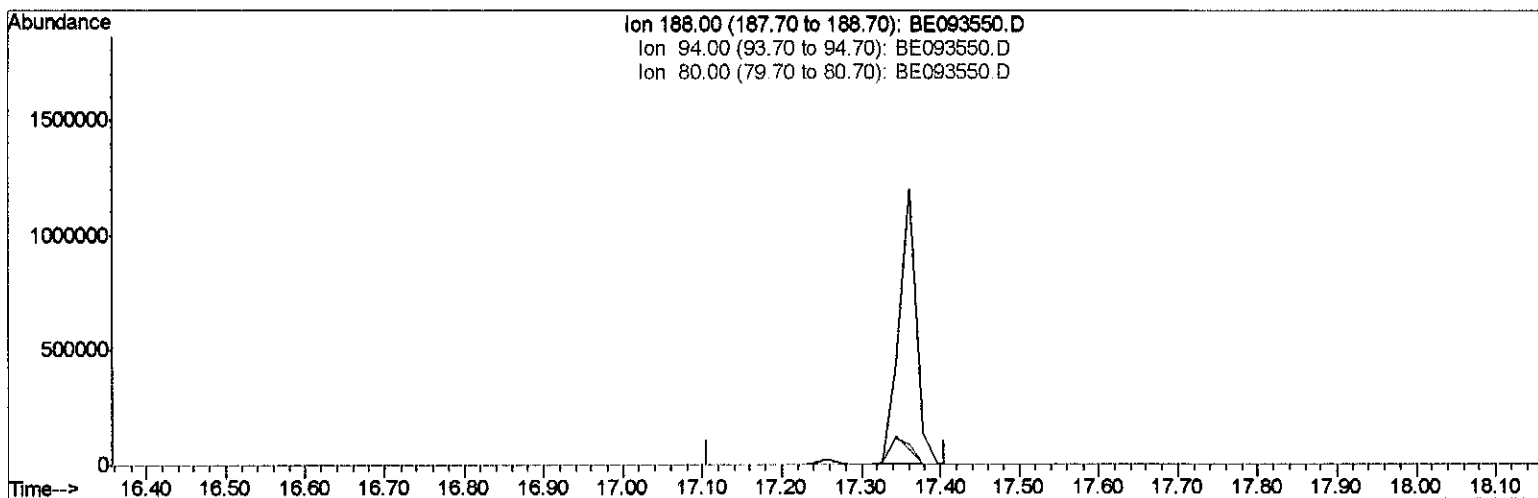
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
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Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 01:24:37 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.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

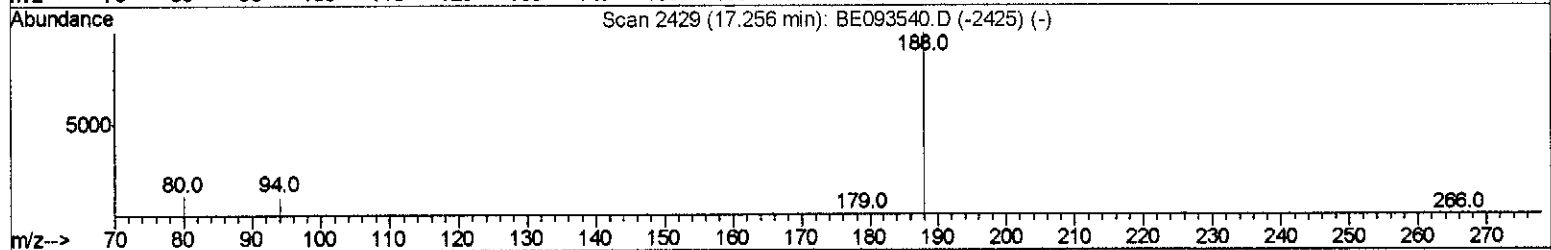
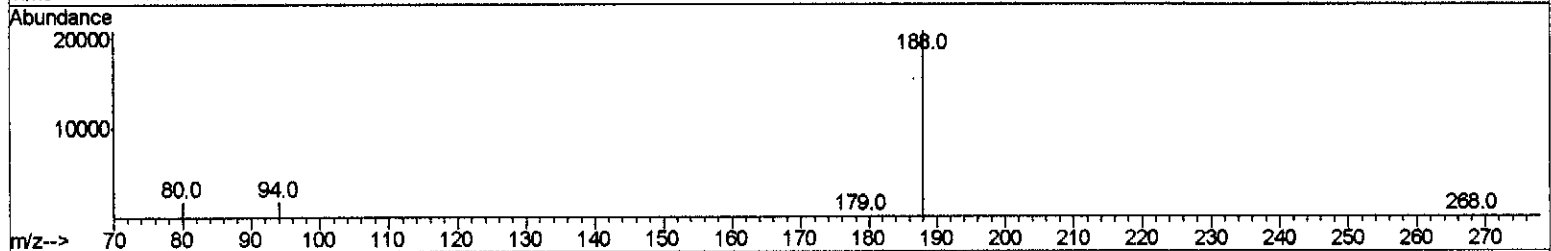
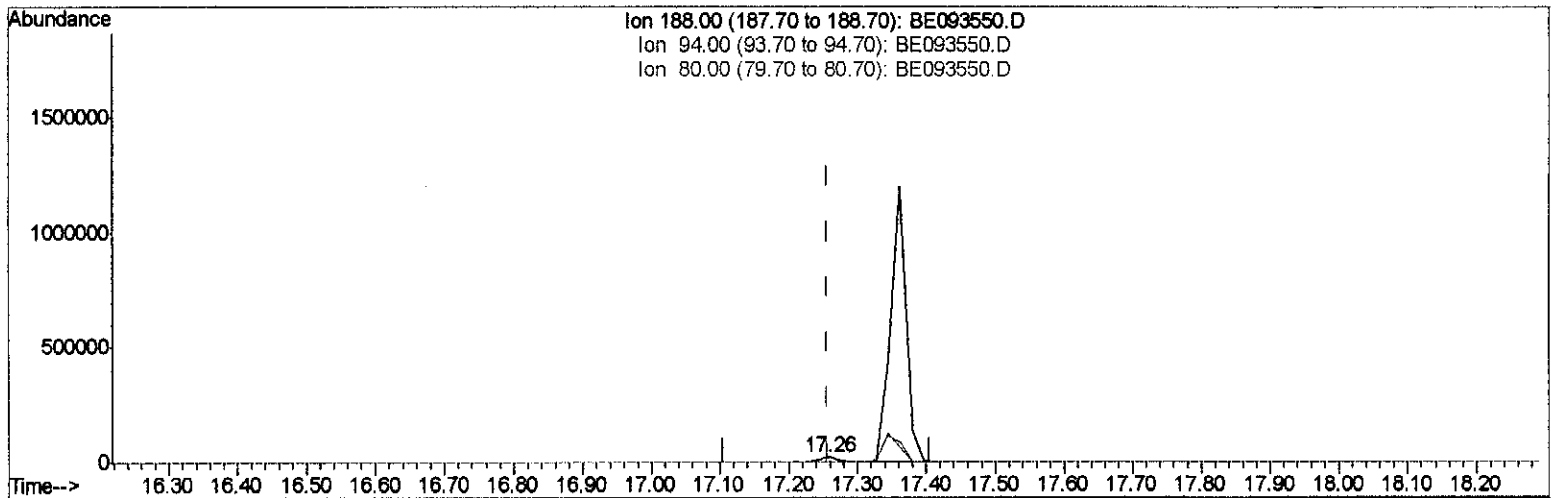
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 01:24:37 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

response 30133

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.31#
80.00	11.80	8.23#
0.00	0.00	0.00

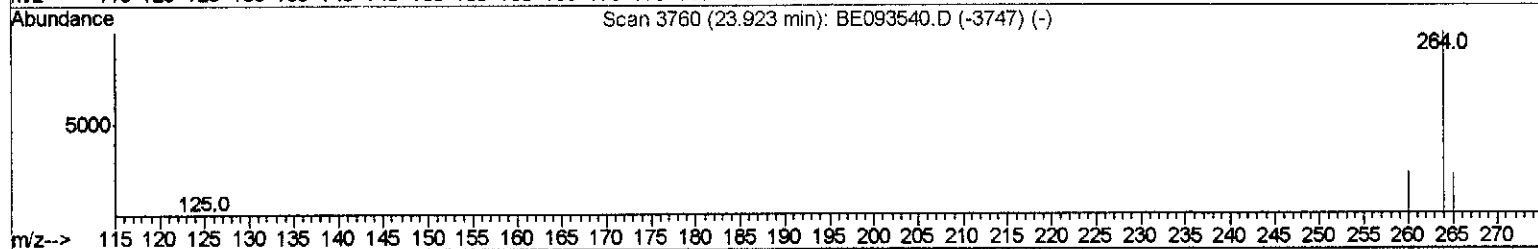
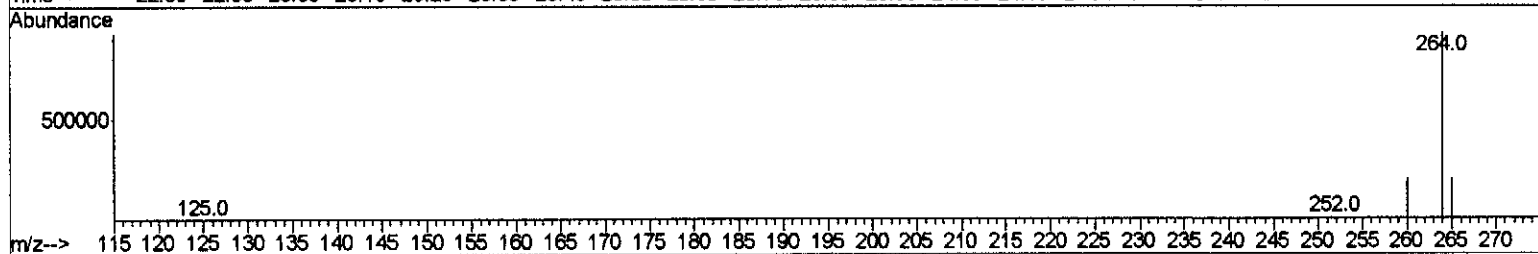
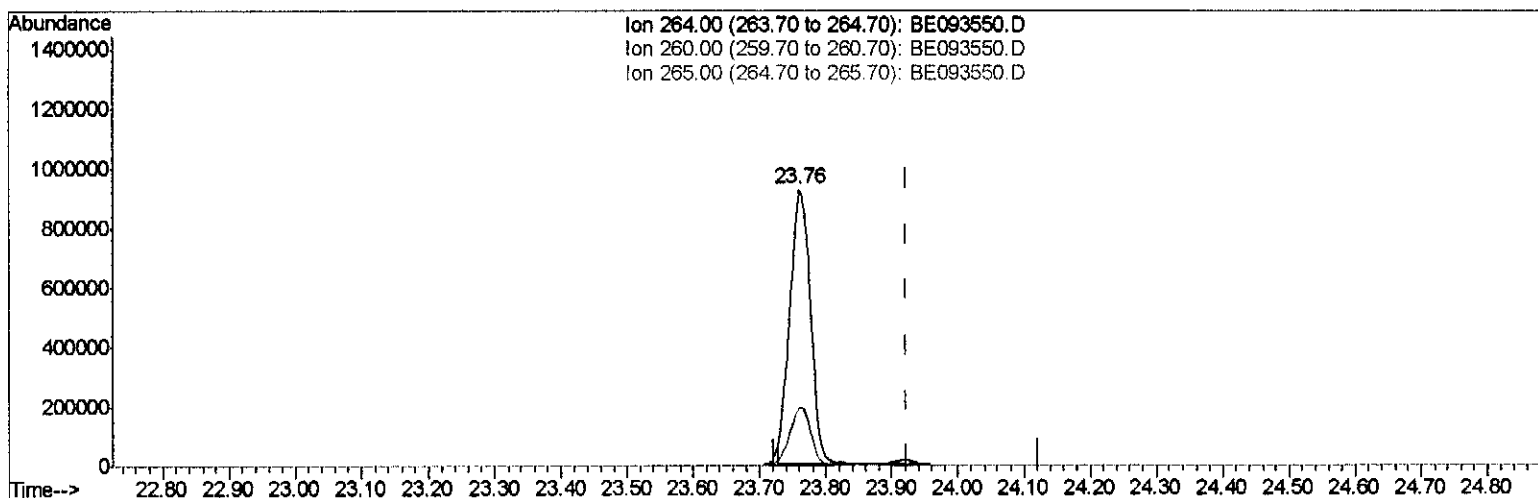
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:29:43 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.D

(20) Perylene-d12 (I)

23.759min (-0.164) 0.40ng/ul

response 1989960

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.54#
265.00	103.50	21.44#
0.00	0.00	0.00

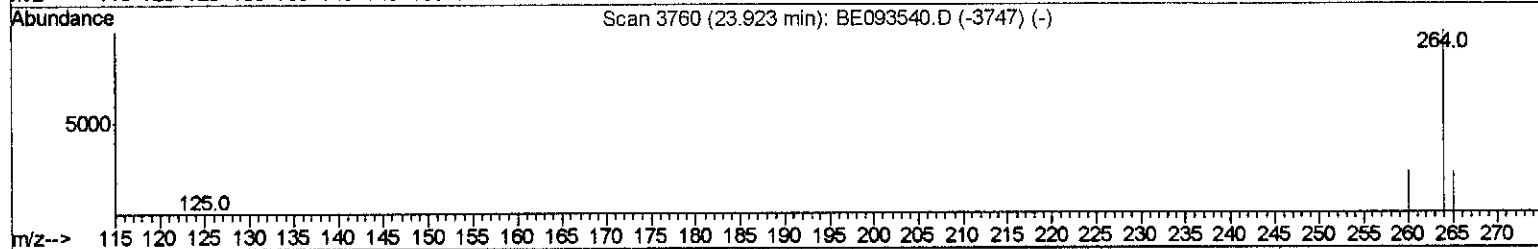
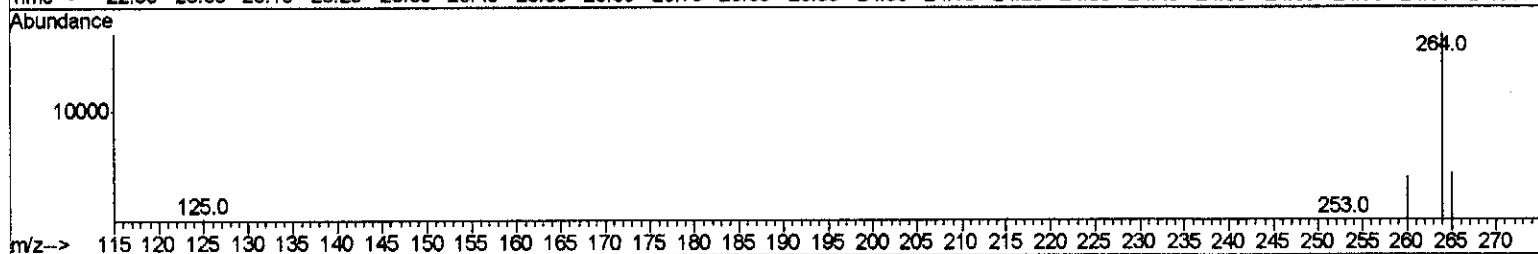
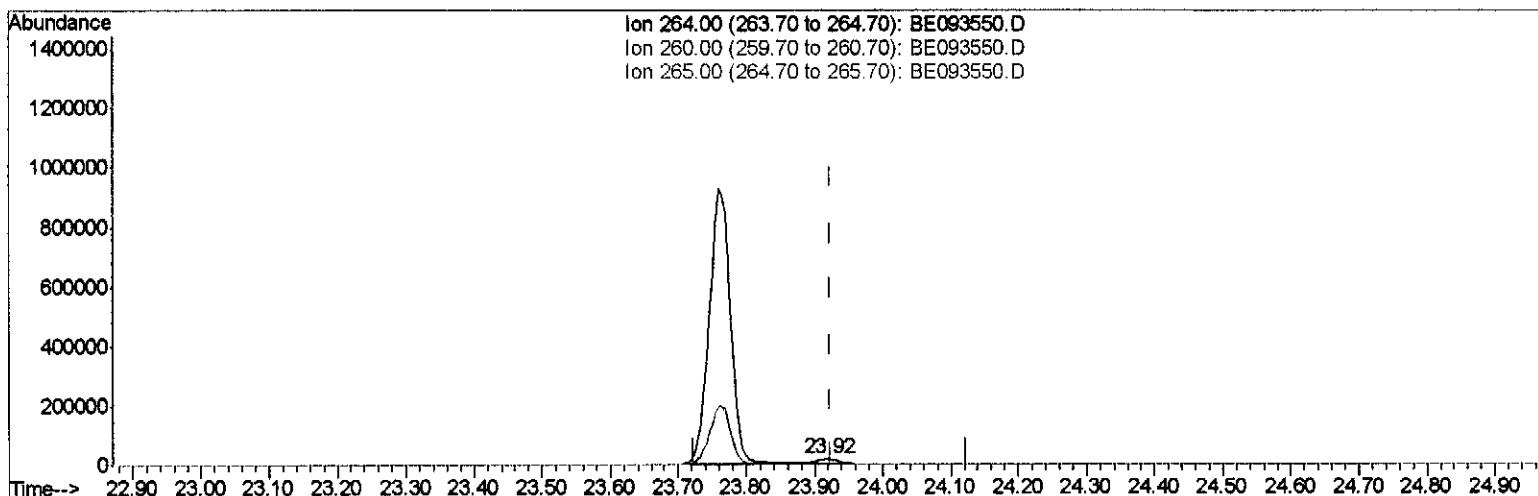
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:29:43 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.D

(20) Perylene-d12 (I)

23.918min (-0.005) 0.40ng/ul m *SJL 8/28/17*

response 30386

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.25
265.00	103.50	26.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

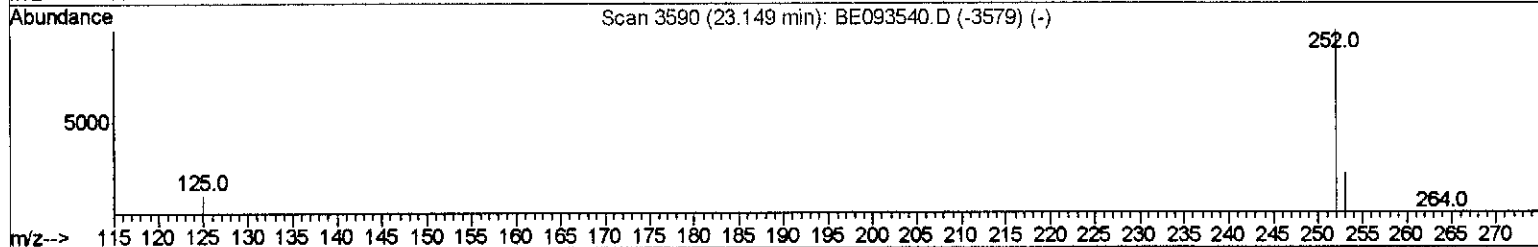
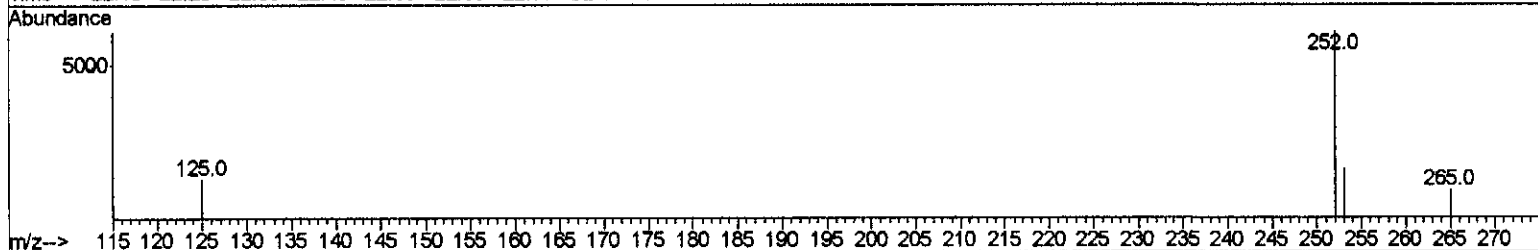
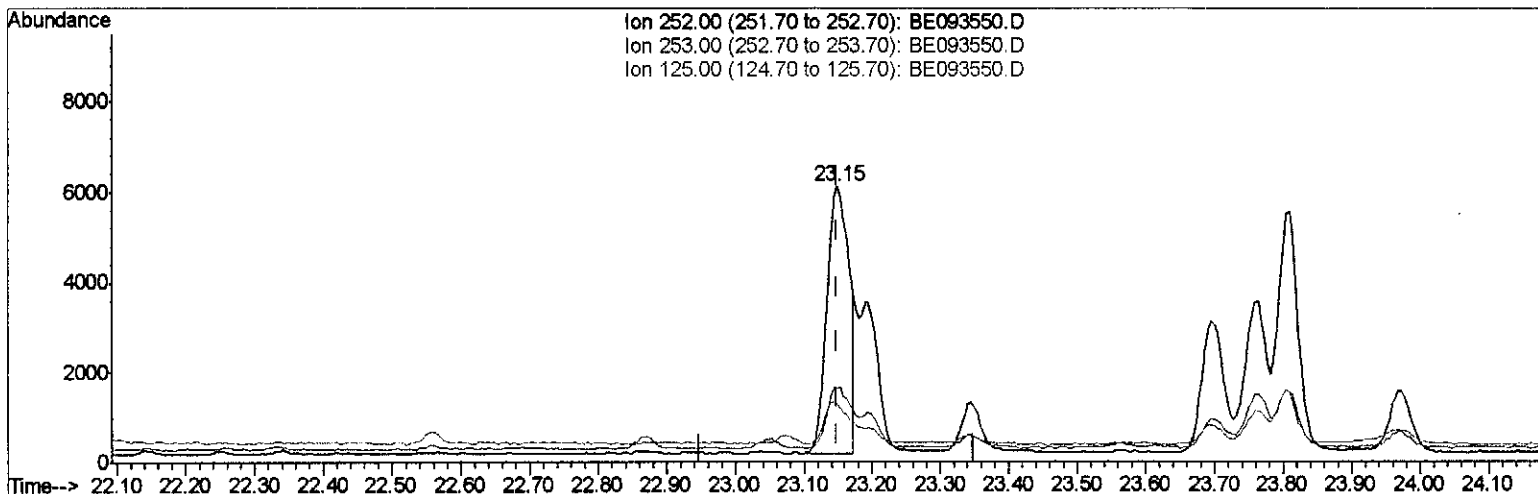
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 18:07:15 2017
 Response via : Initial Calibration



TIC: BE093550.D

(21) Benzo(b)fluoranthene
 23.149min (-0.001) 0.14ng/ul
 response 13389

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.91
125.00	17.50	21.04
0.00	0.00	0.00

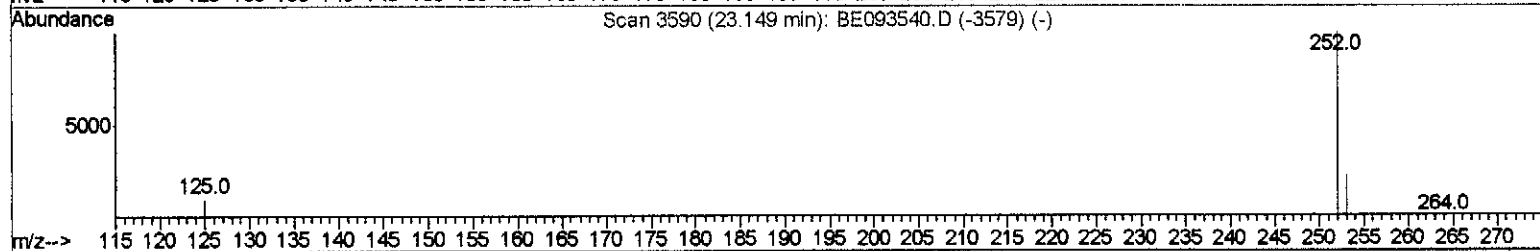
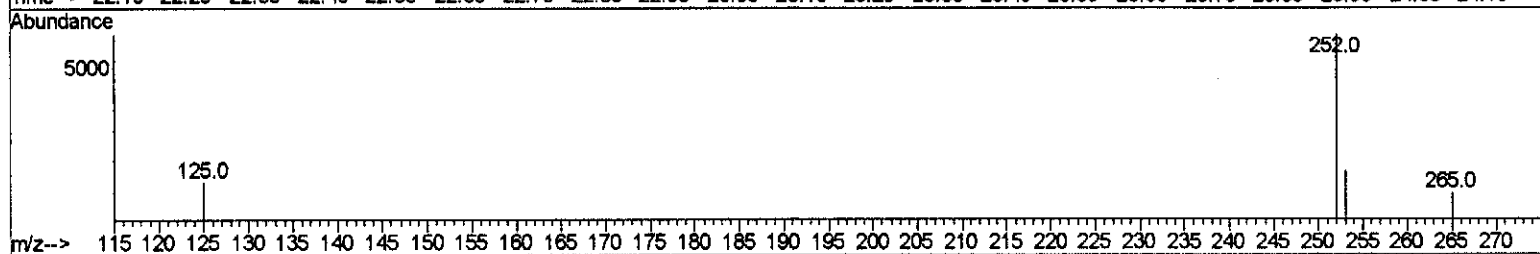
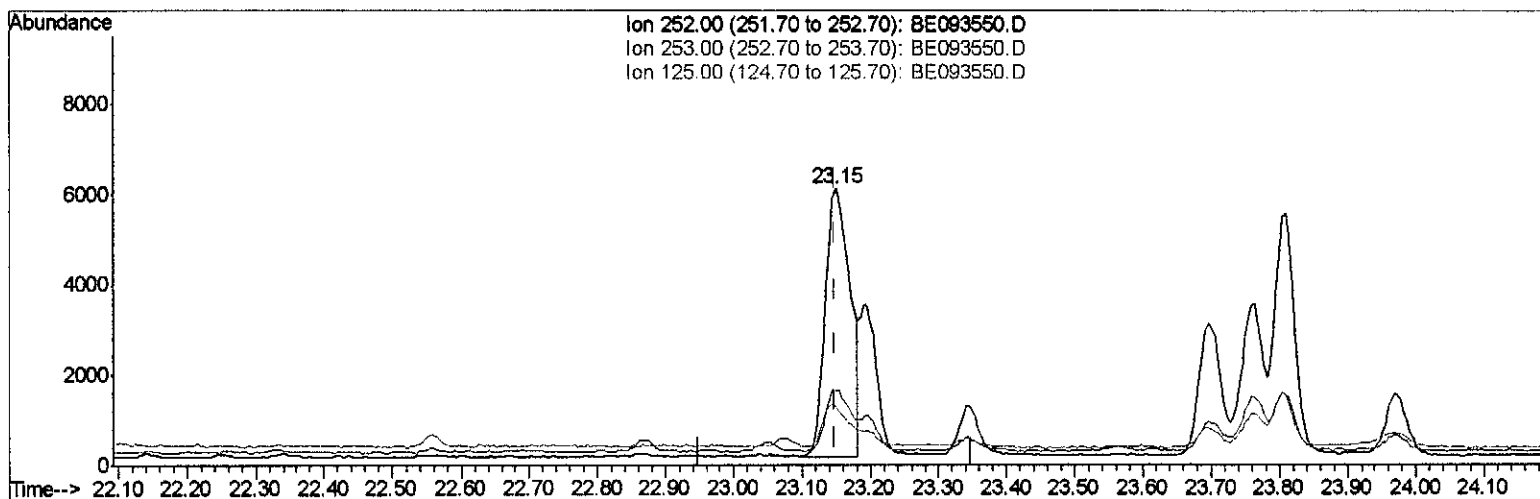
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.D

(21) Benzo(b)fluoranthene

23.149min (-0.001) 0.16ng/ul m

response 15218

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.91
125.00	17.50	21.04
0.00	0.00	0.00

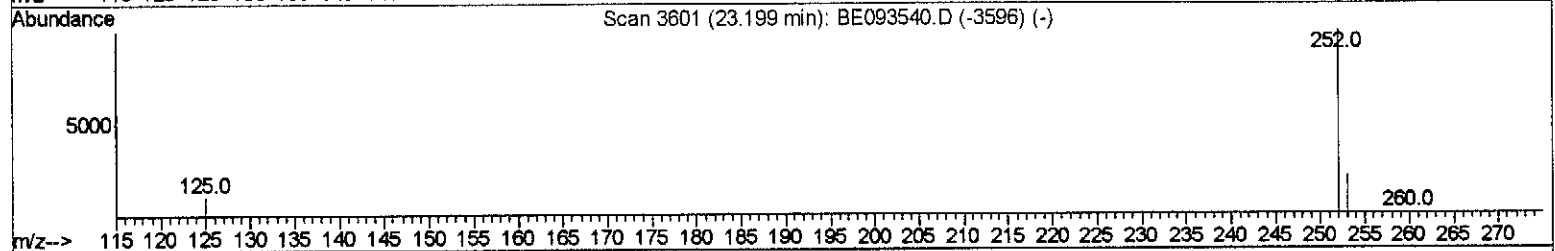
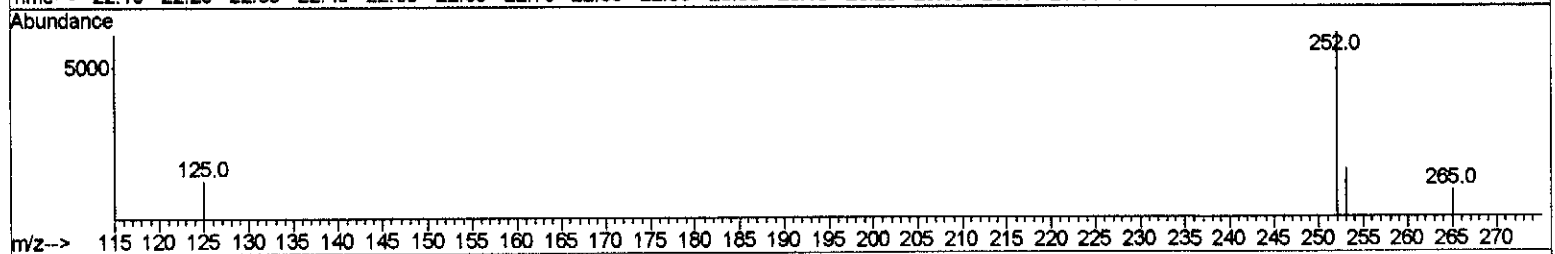
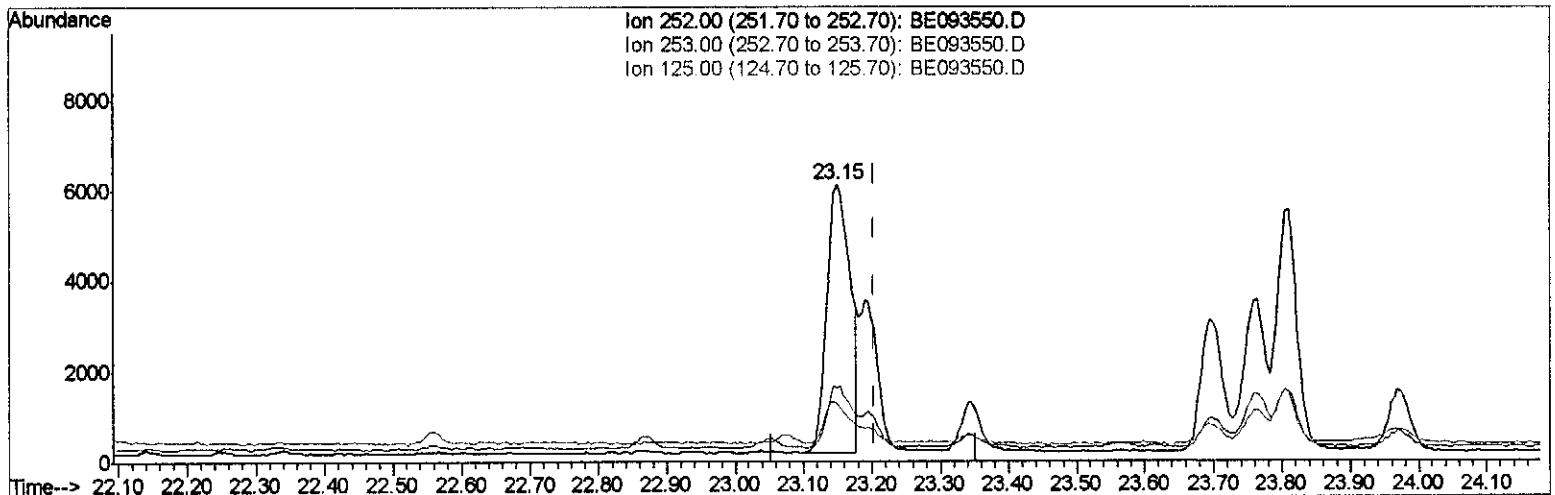
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.D

(22) Benzo(k)fluoranthene

23.149min (-0.055) 0.15ng/ul

response 14266

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.91
125.00	17.10	21.04#
0.00	0.00	0.00

Quantitation Report (Qedit)

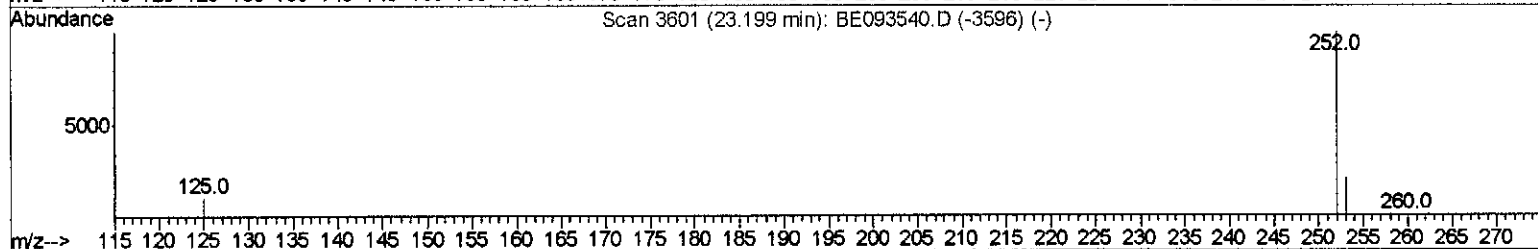
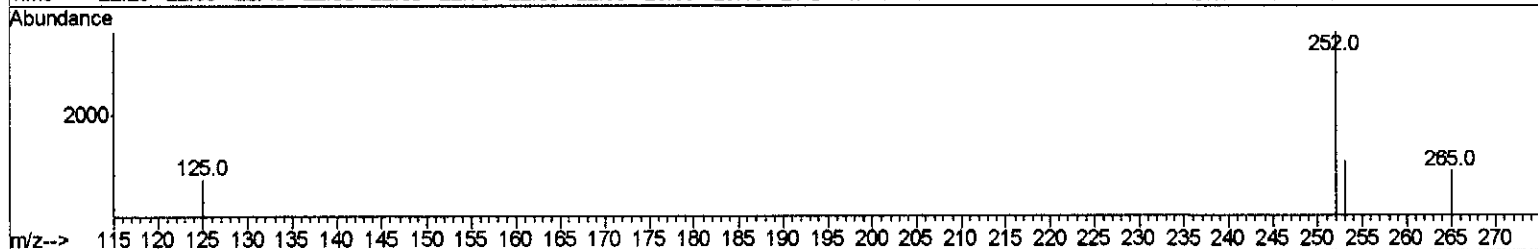
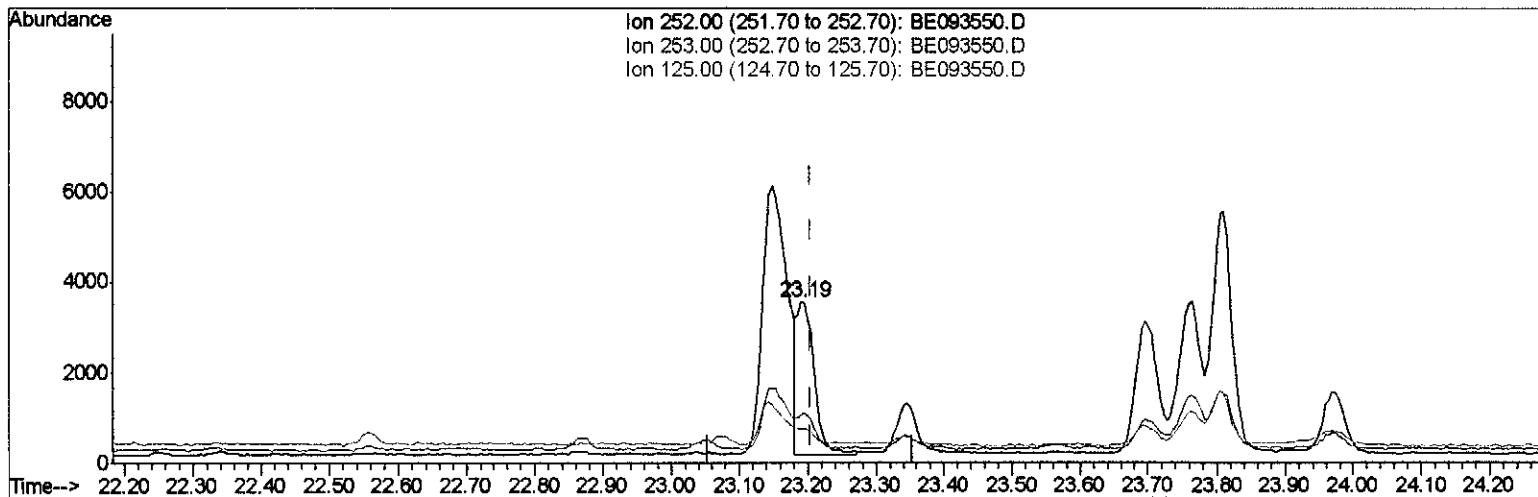
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 18:07:15 2017
 Response via : Initial Calibration



TIC: BE093550.D

(22) Benzo(k)fluoranthene

23.194min (-0.010) 0.06ng/ul m *[Signature]* 8/8/17

response 5991

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.48
125.00	17.10	22.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

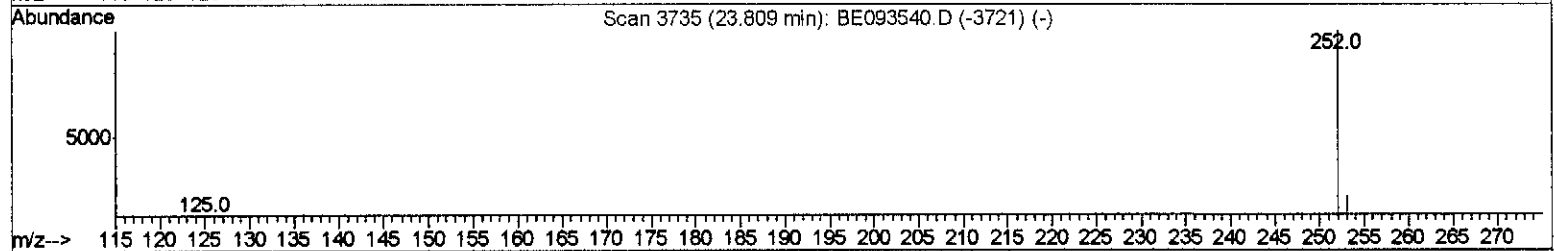
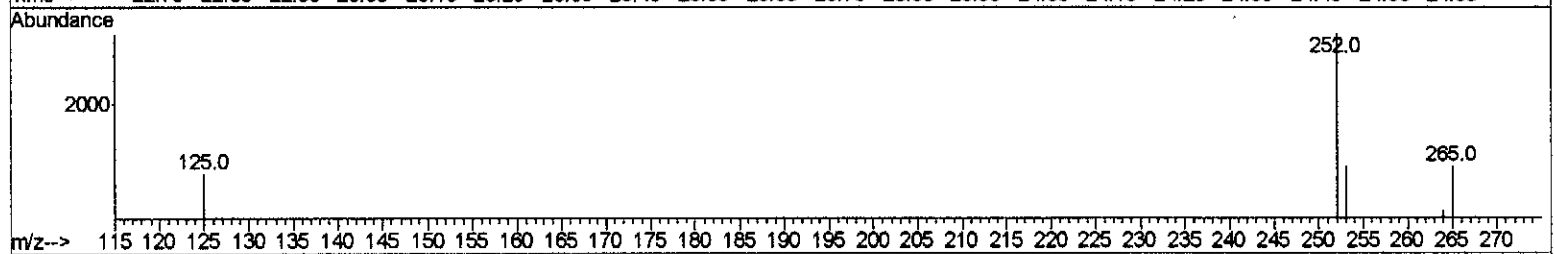
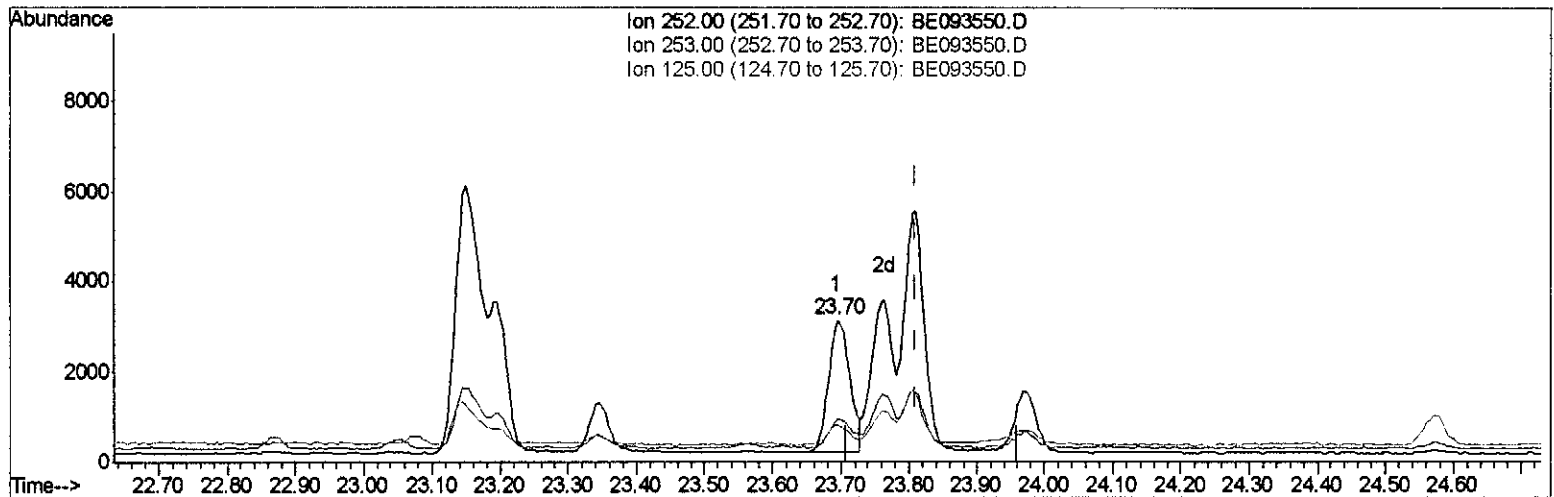
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093550.D

(23) Benzo(a)pyrene (C)
 23.695min (-0.114) 0.07ng/ul
 response 6560

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	30.68
125.00	22.60	26.91
0.00	0.00	0.00

Quantitation Report (Qedit)

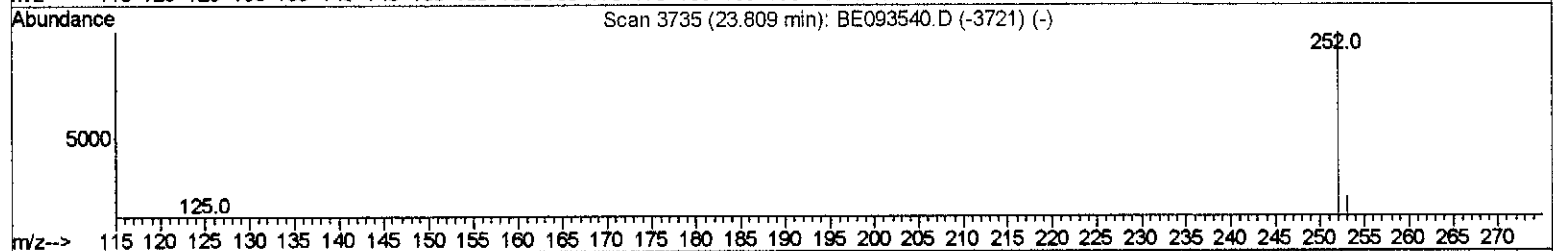
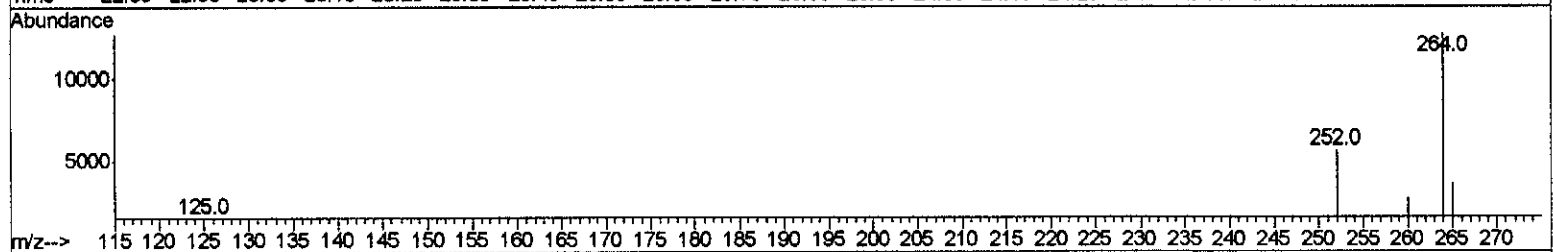
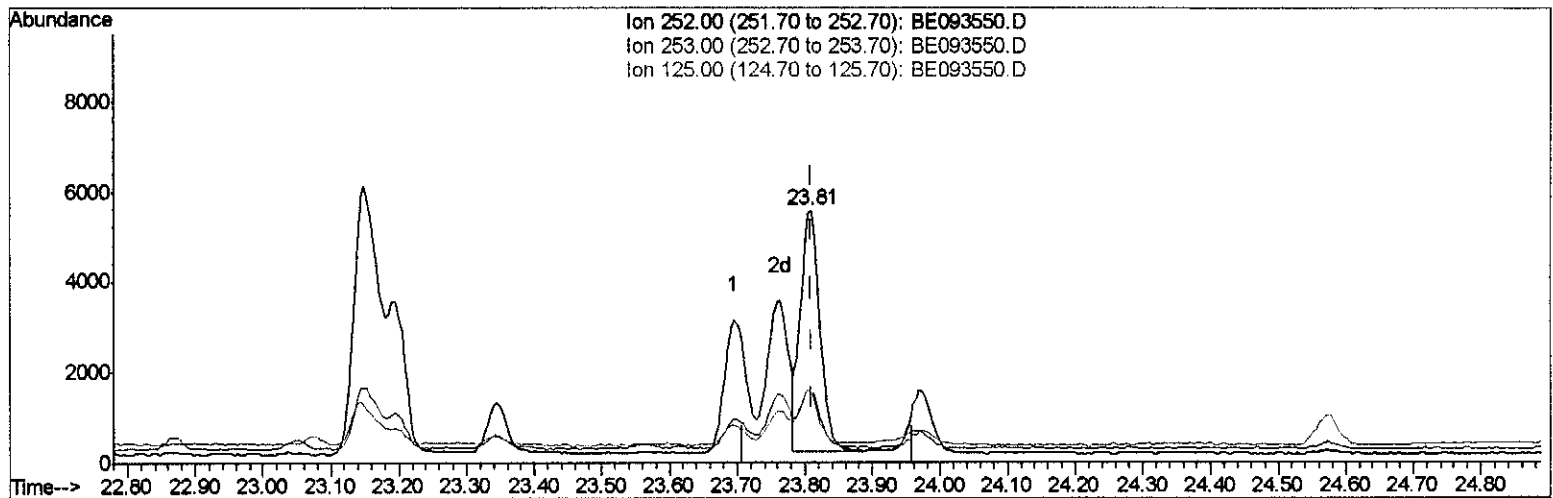
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093550.D

(23) Benzo(a)pyrene (C)

23.809min (-0.001) 0.12ng/ul m

response 10667

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.19#
125.00	22.60	27.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

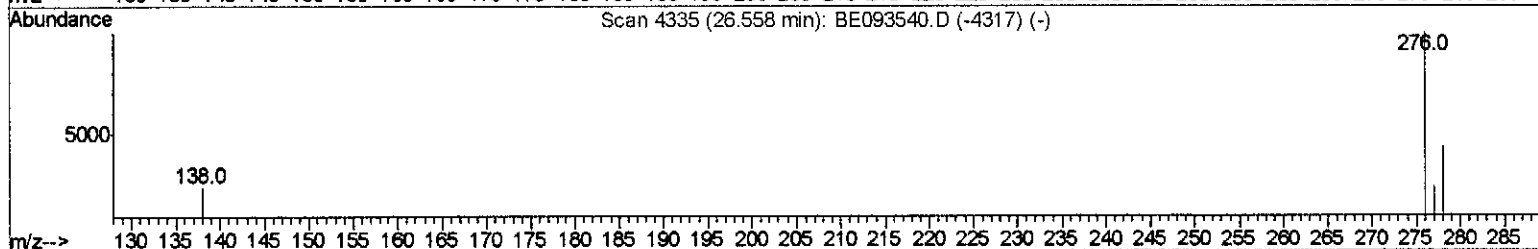
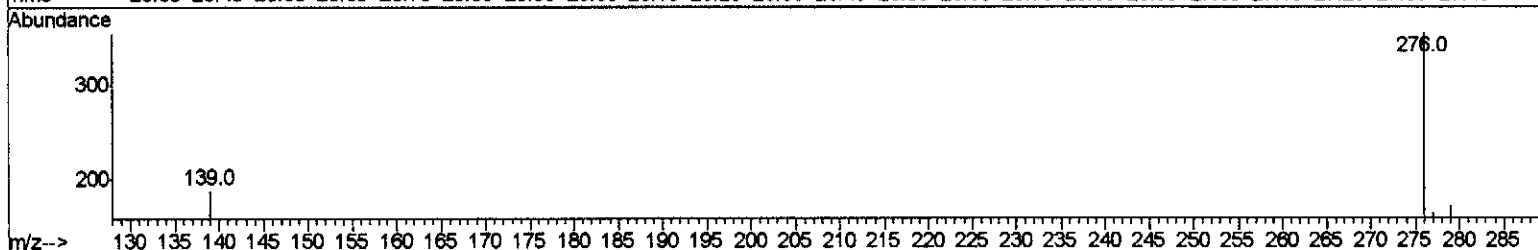
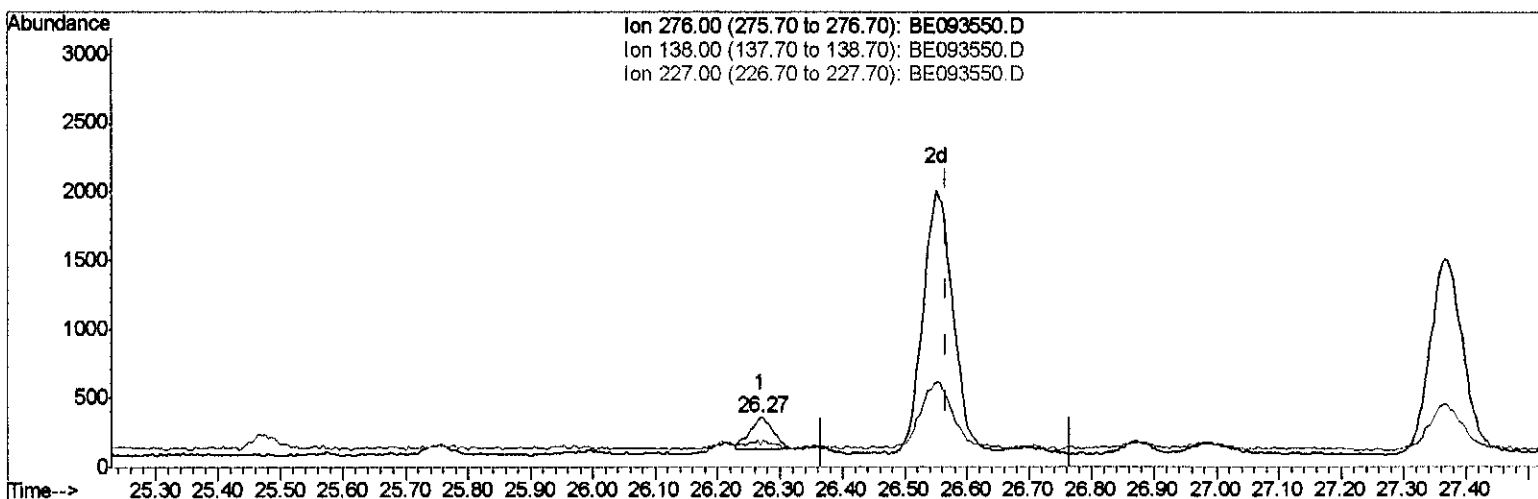
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093550.D

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

26.268min (-0.299) 0.01ng/ul

response 637

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	13.19#
227.00	10.00	0.00#
0.00	0.00	0.00

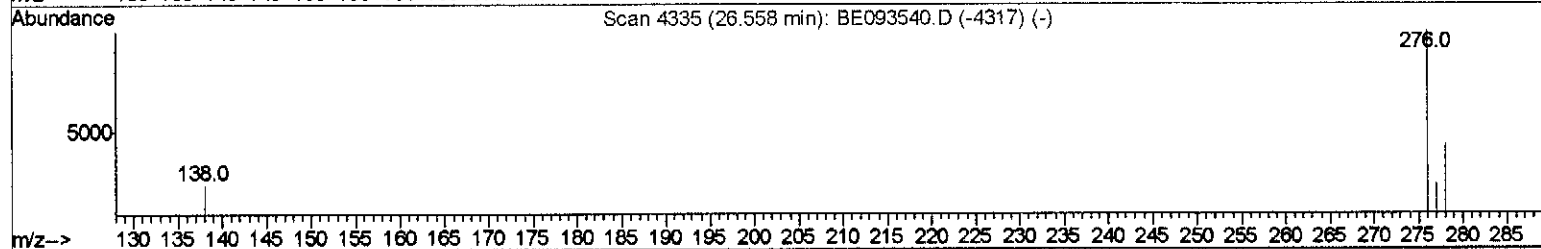
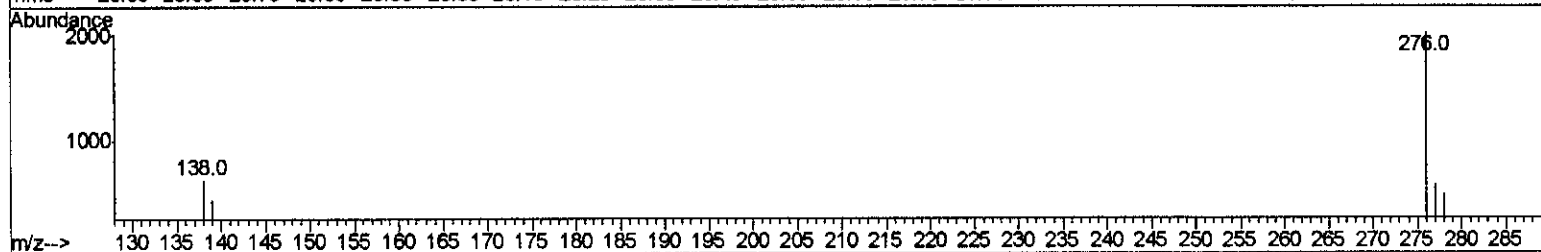
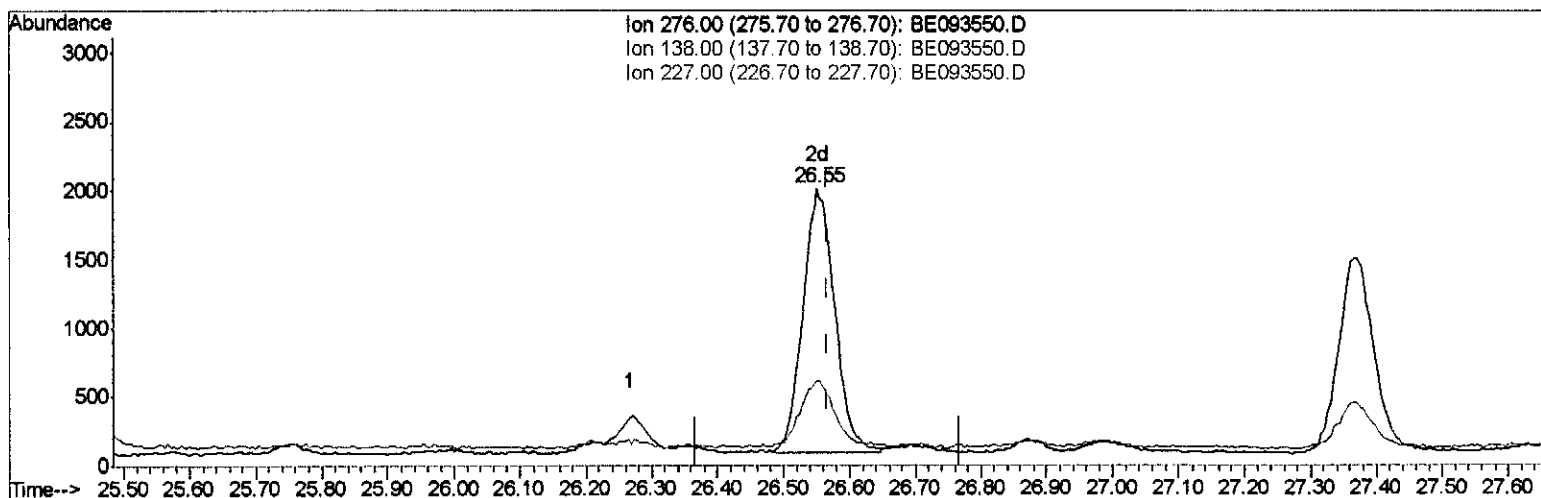
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 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: BE093550.D

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

26.551min (-0.017) 0.07ng/ul m

response 6435

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.31#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

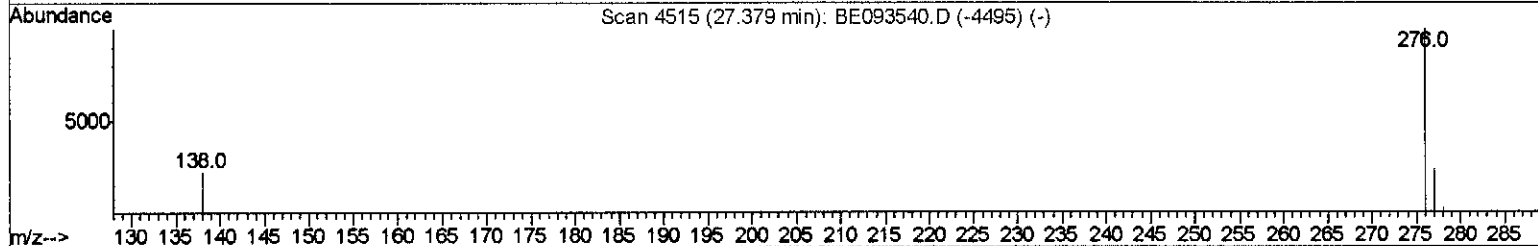
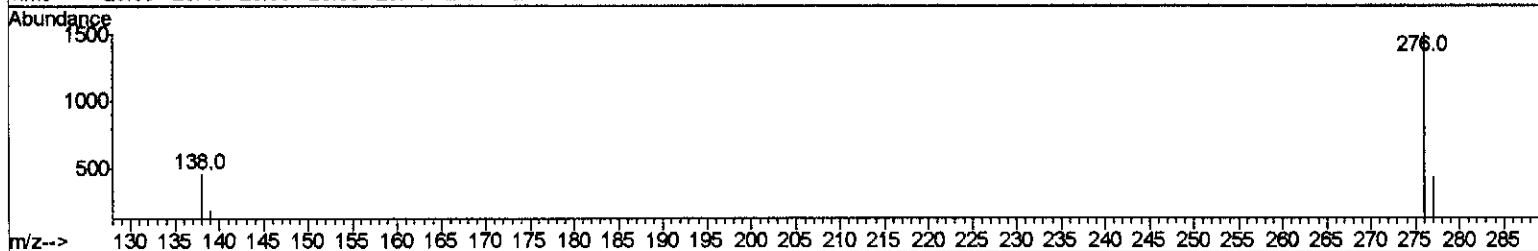
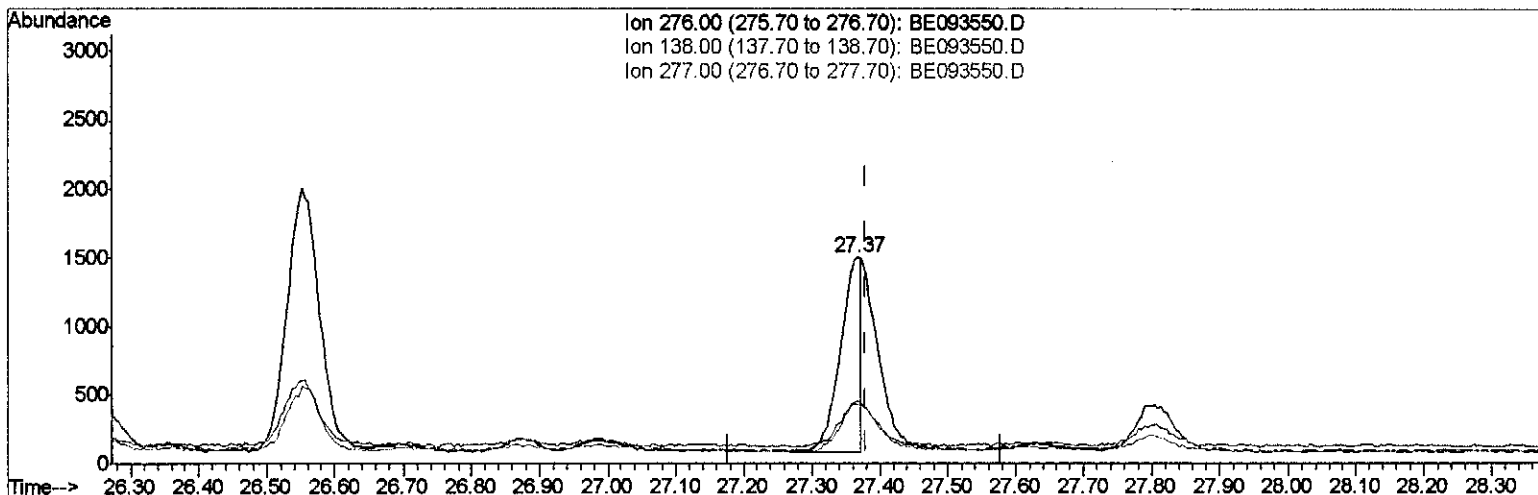
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093550.D

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

27.367min (-0.012) 0.04ng/ul

response 2953

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	30.31
277.00	25.60	28.38
0.00	0.00	0.00

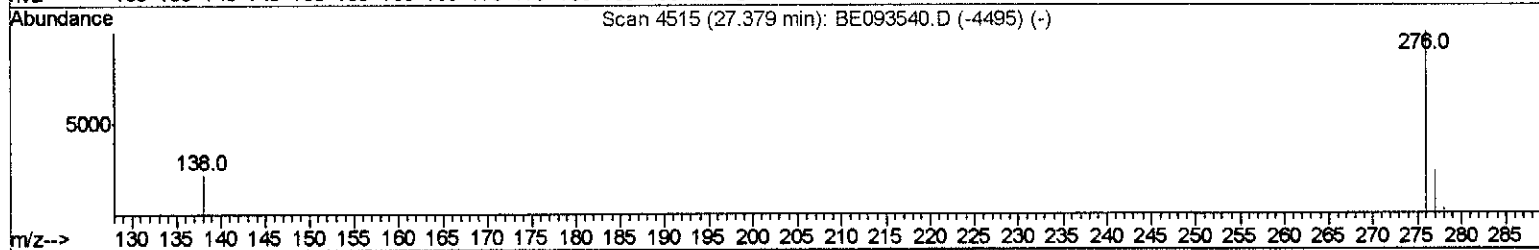
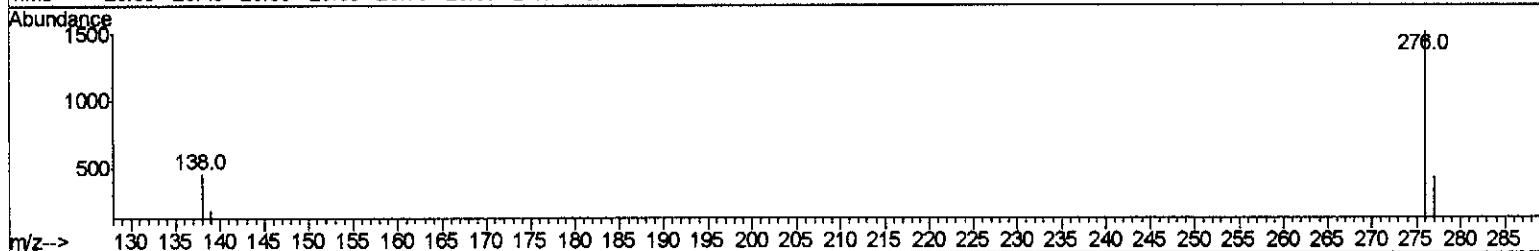
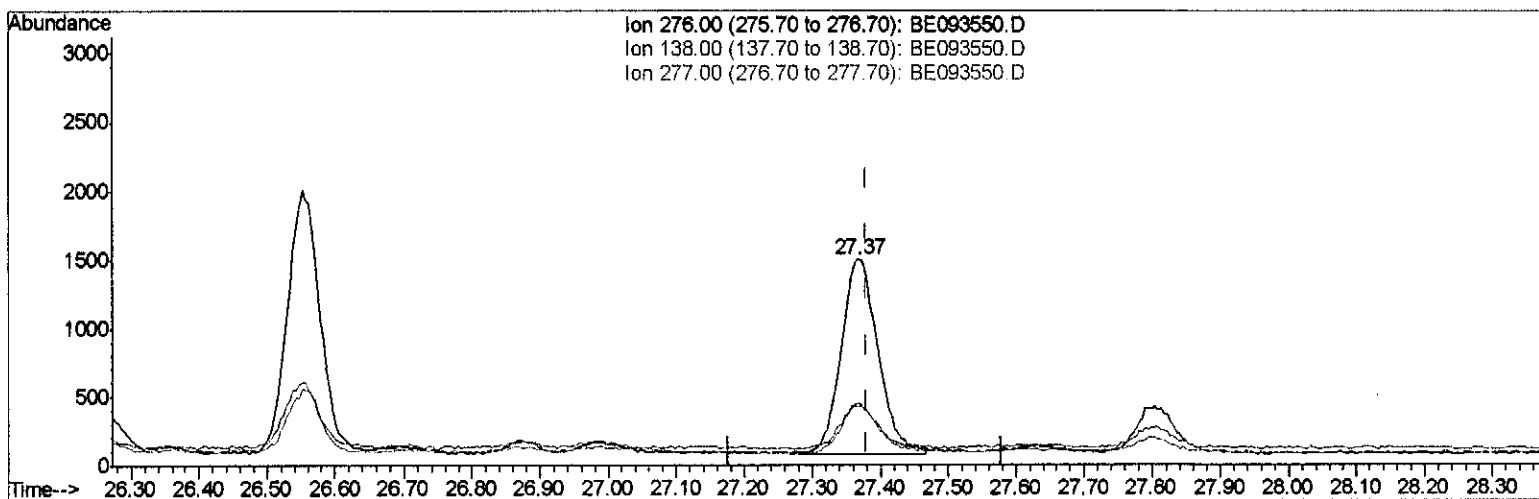
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093550.D
Acq On : 24 Jul 2017 22:23
Operator : SJ/JU
Sample : I4213-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B28

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:34:10 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093550.D

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

27.367min (-0.012) 0.06ng/ul m

response 5352

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	30.31
277.00	25.60	28.38
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093550.D
 Acq On : 24 Jul 2017 22:23
 Operator : SJ/JU
 Sample : I4213-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:13 PM

Quant Time: Jul 25 04:41:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 18:07:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	3339	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	17542	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	11731	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	30133m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	35098	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	30386m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	7163	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	25714	0.27	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.76	128	1638	0.038	ng/ul#	91
7) Acenaphthylene	14.25	152	1531	0.031	ng/ul#	90
12) Phenanthrene	17.29	178	3041	0.037	ng/ul#	88
13) Anthracene	17.40	178	2683	0.034	ng/ul	93
15) Fluoranthene	19.31	202	28484	0.278	ng/ul	84
17) Pyrene	19.67	202	26861	0.262	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	14130	0.139	ng/ul#	85
19) Chrysene	21.45	228	11687	0.120	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	15218m	0.162	ng/ul	} JMK 8/8/17
22) Benzo(k)fluoranthene	23.19	252	5991m	0.065	ng/ul	
23) Benzo(a)pyrene	23.81	252	10667m	0.119	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	6435m	0.065	ng/ul	
26) Benzo(a,h,i)perylene	27.37	276	5352m	0.064	ng/ul	

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