

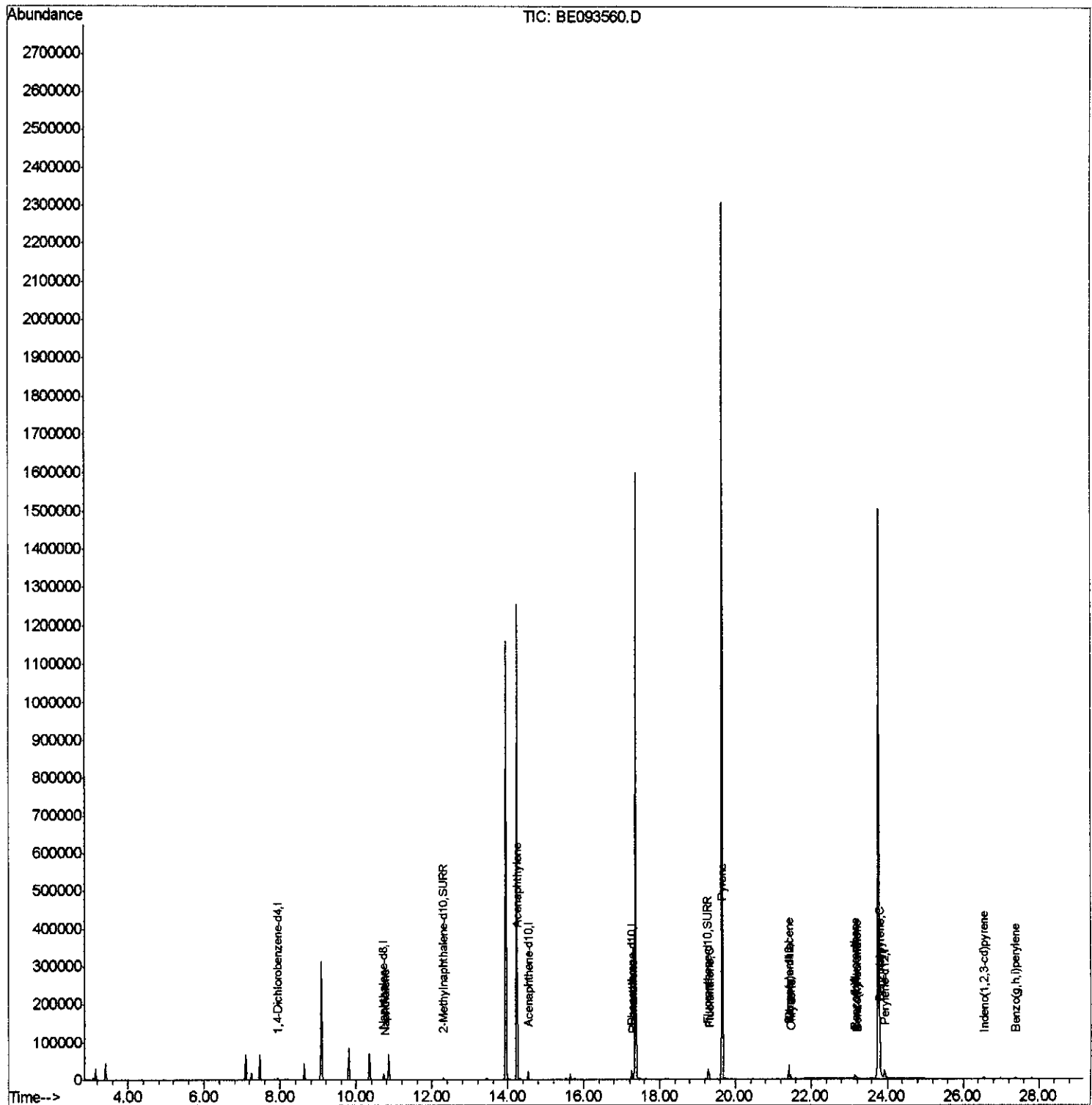
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:29:58 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 06:10:24 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

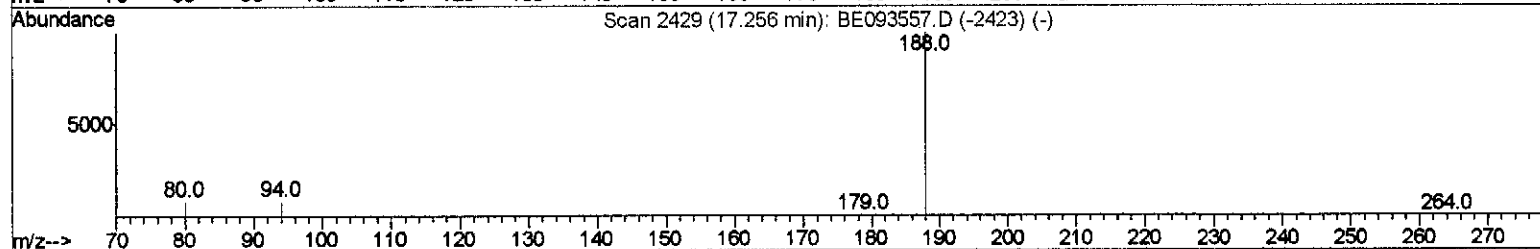
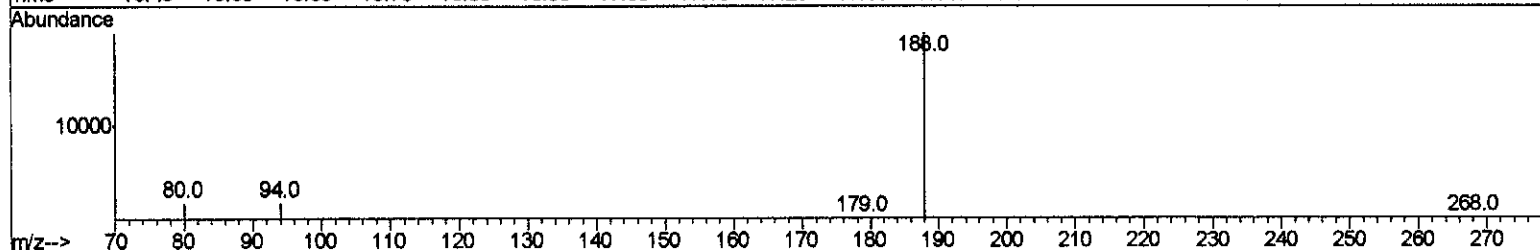
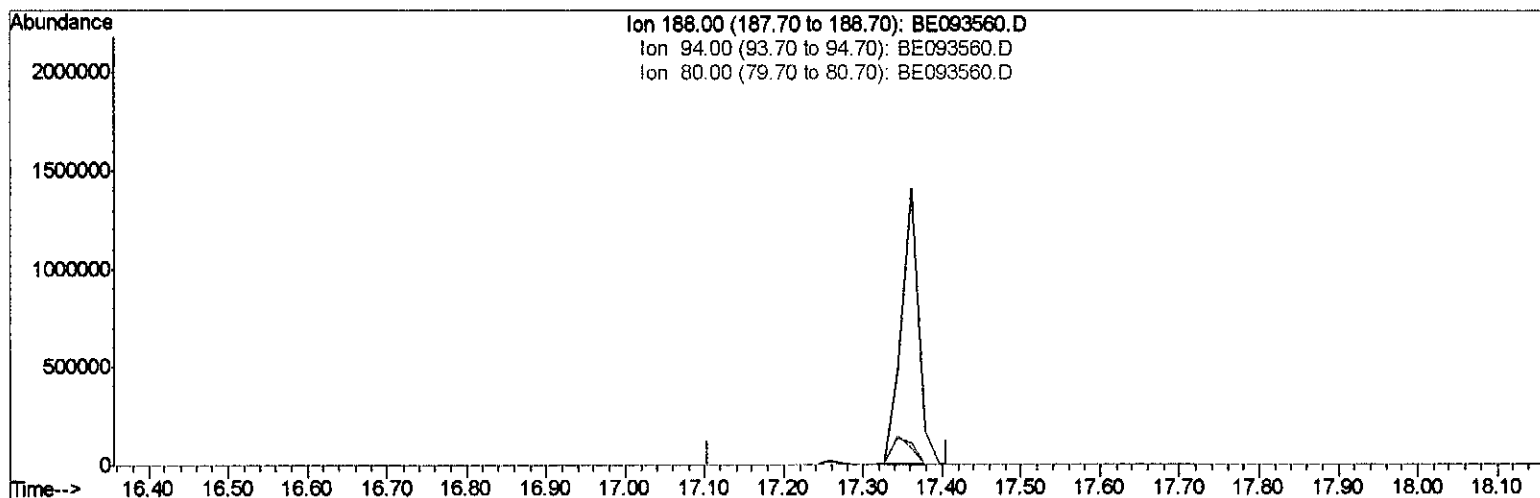
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 06:12:36 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.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

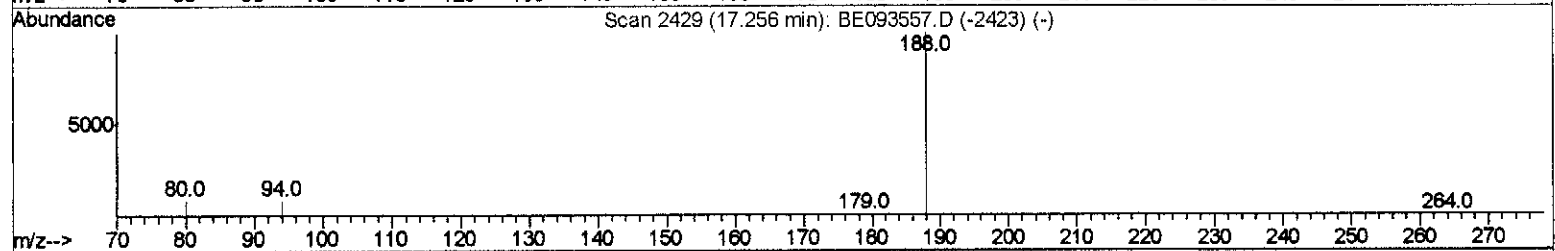
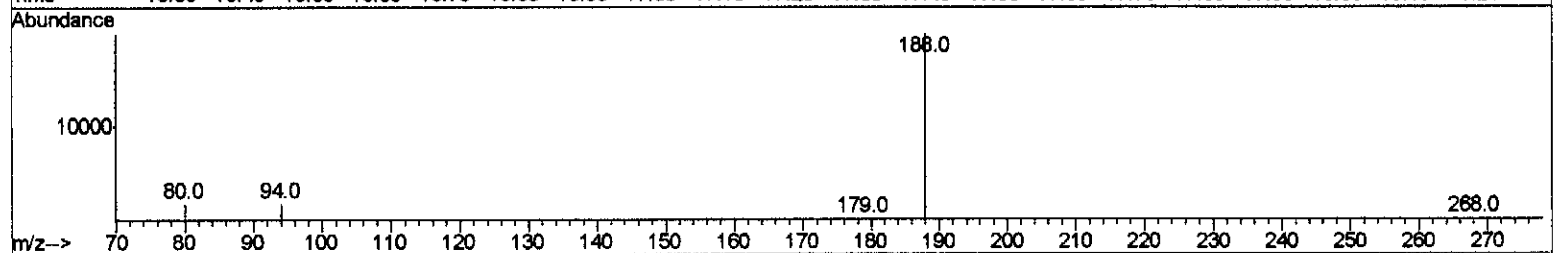
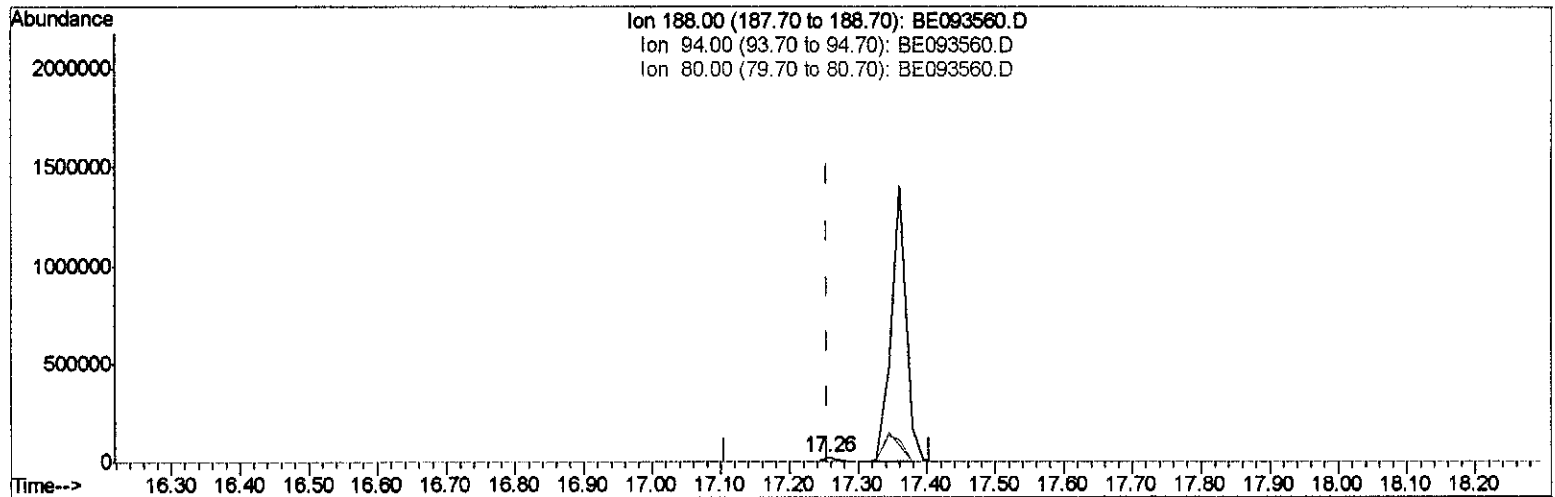
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 06:12:36 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m. *[Signature]* 8/24/17

response 28971

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.72#
80.00	11.80	8.49#
0.00	0.00	0.00

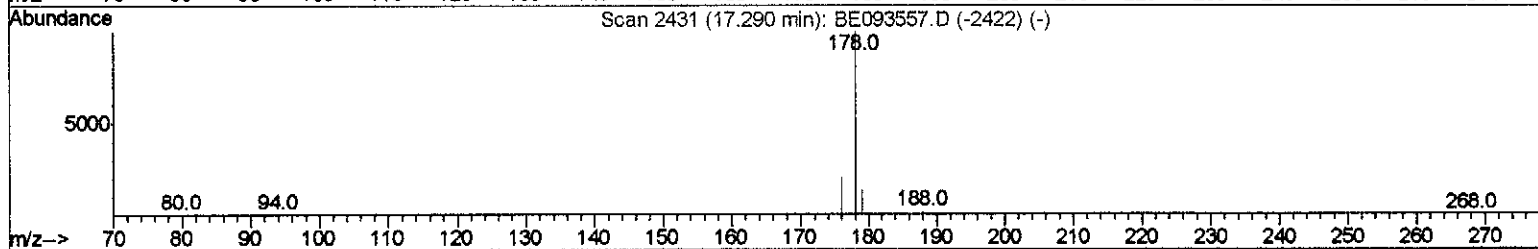
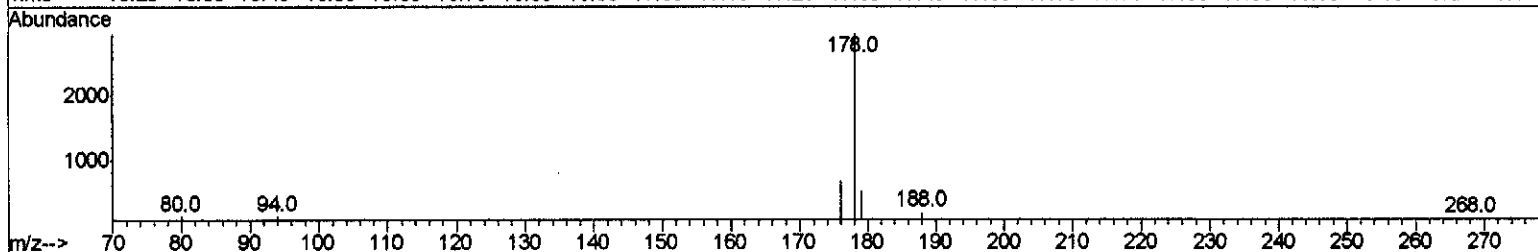
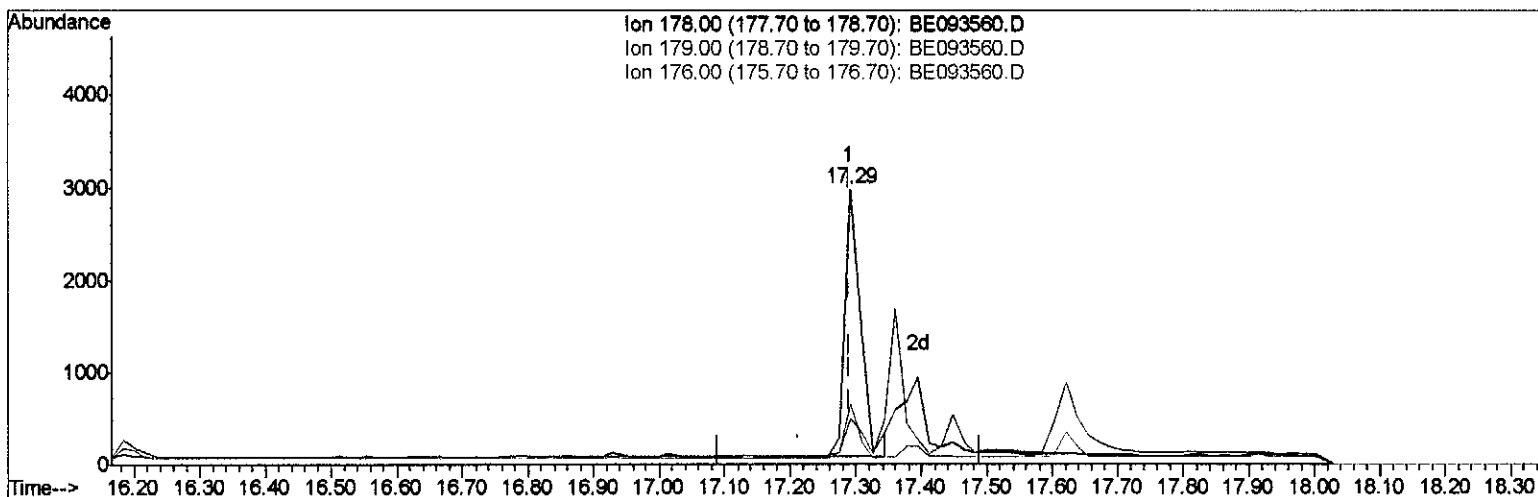
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:24:18 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(12) Phenanthrene

17.291min (+0.001) 0.06ng/ul

response 4964

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	16.61#
176.00	17.00	22.07#
0.00	0.00	0.00

Quantitation Report (Qedit)

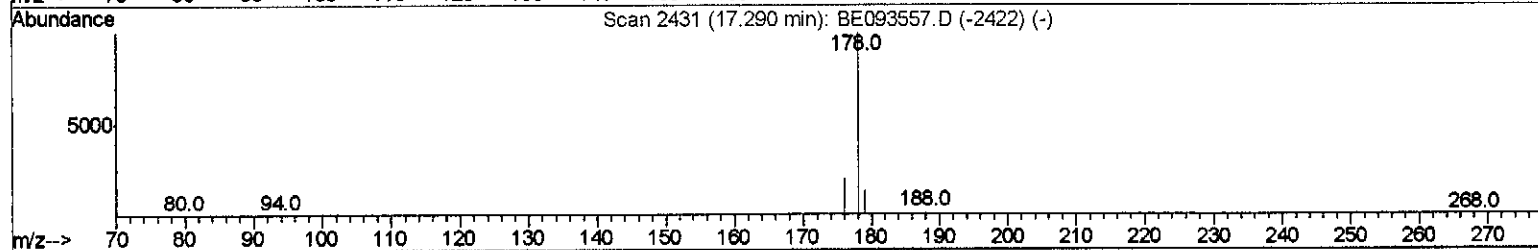
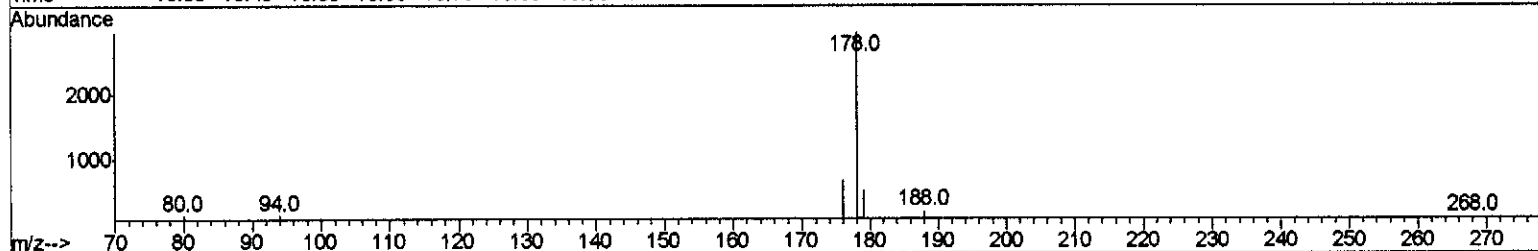
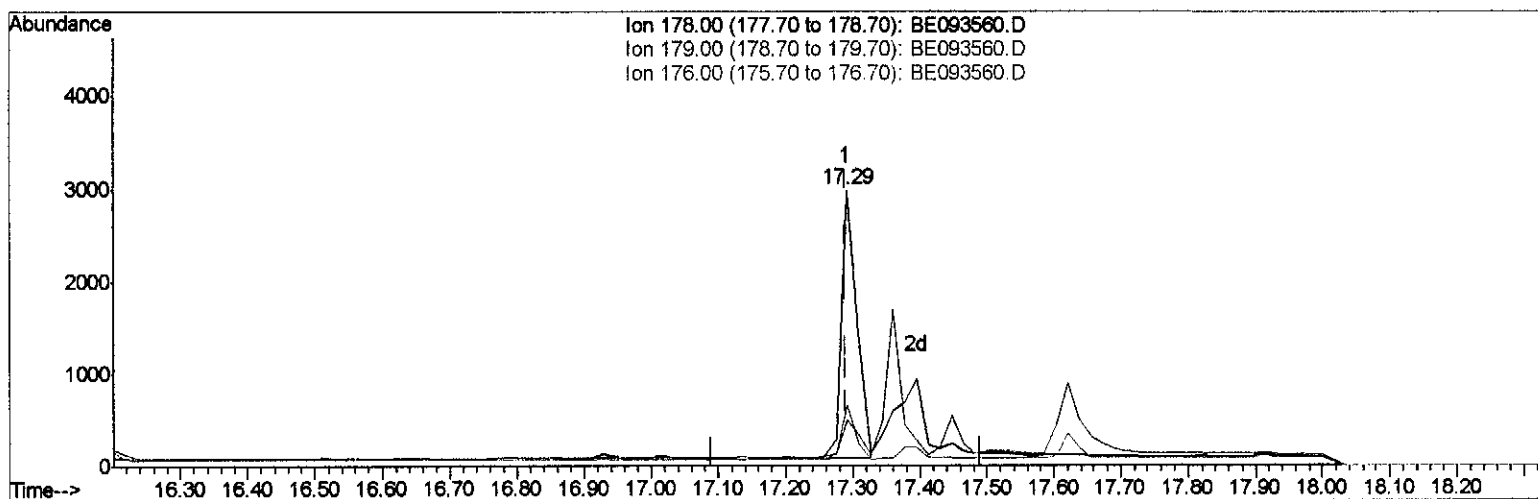
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:24:18 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(12) Phenanthrene

17.291min (+0.001) 0.06ng/ul m. *JUL 25 8/28/17*

response 4698

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	16.61#
176.00	17.00	22.07#
0.00	0.00	0.00

Quantitation Report (Qedit)

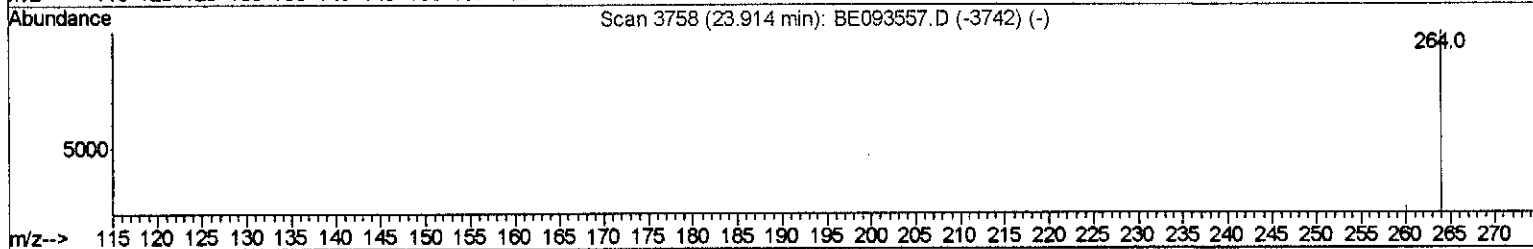
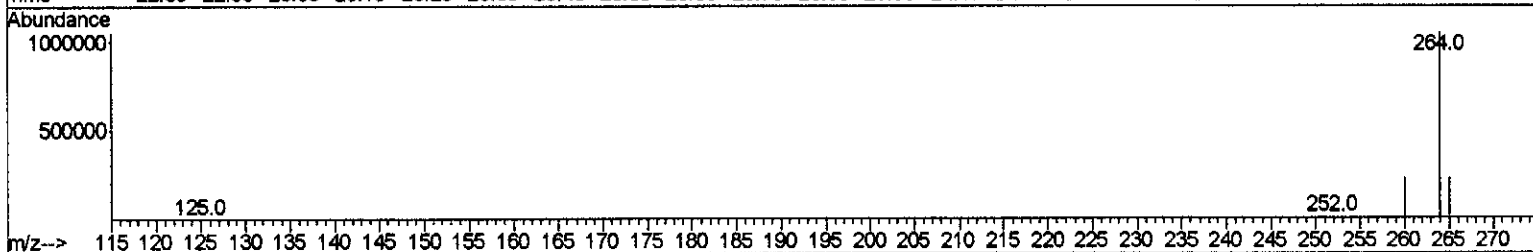
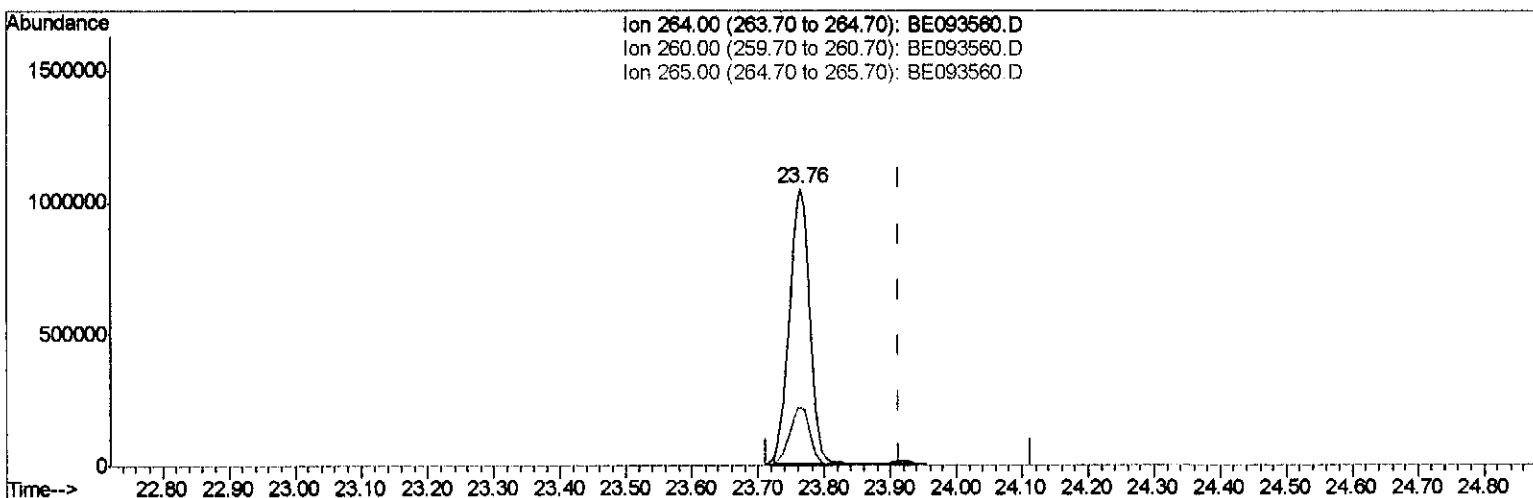
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:24:18 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(20) Perylene-d12 (I)

23.764min (-0.150) 0.40ng/ul

response 2223056

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.37#
265.00	103.50	21.53#
0.00	0.00	0.00

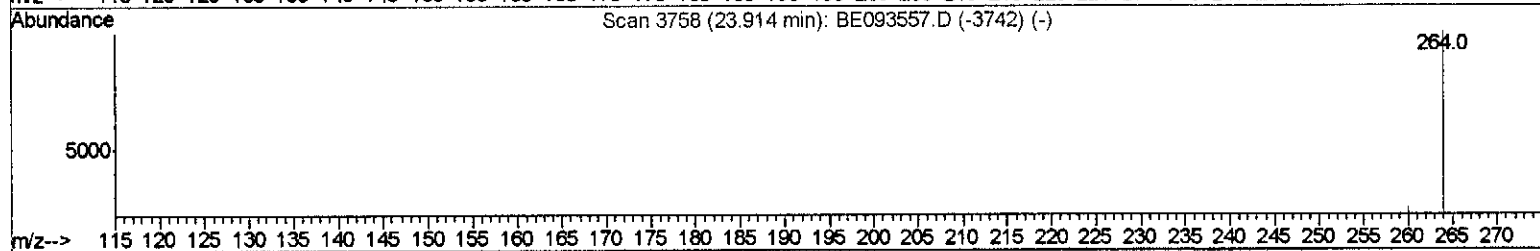
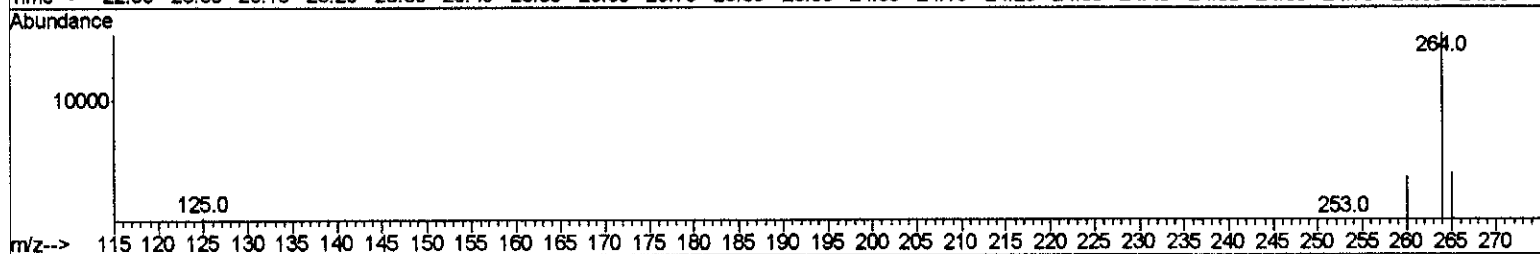
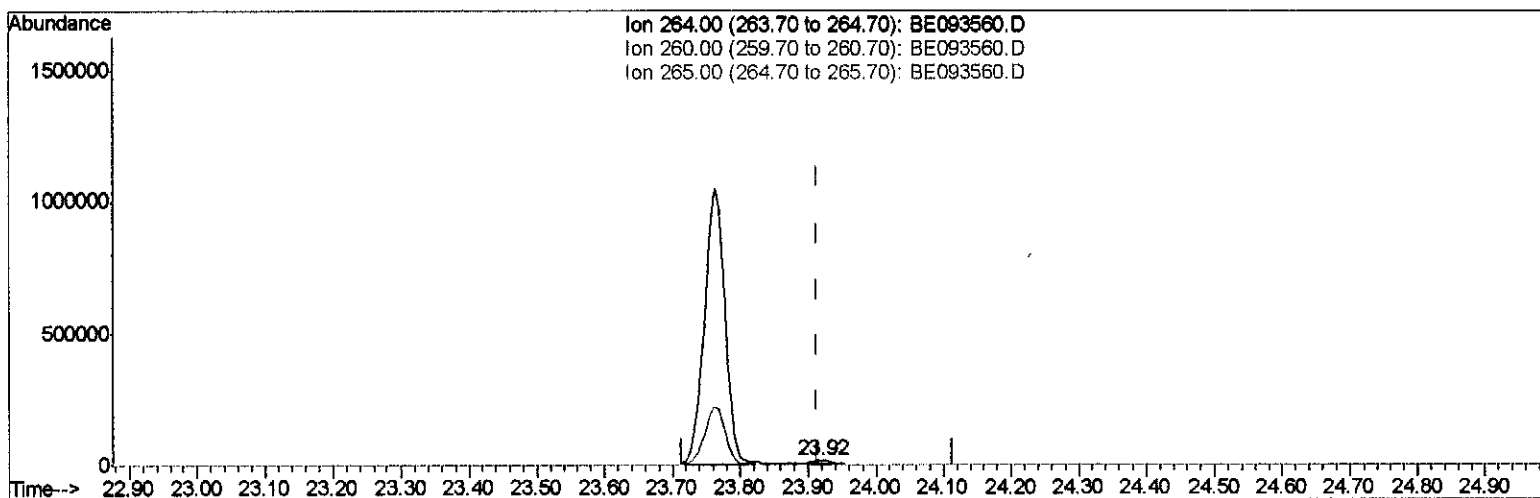
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:24:18 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(20) Perylene-d12 (I)

23.919min (+0.005) 0.40ng/ul m

response 28198

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	23.79#
265.00	103.50	25.82#
0.00	0.00	0.00

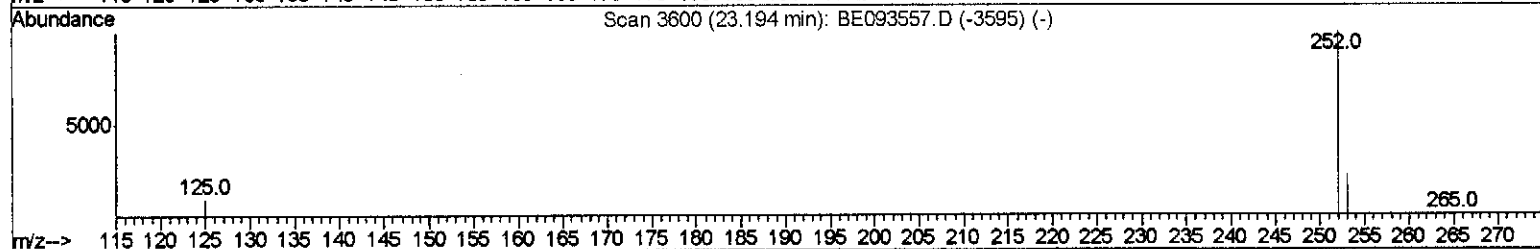
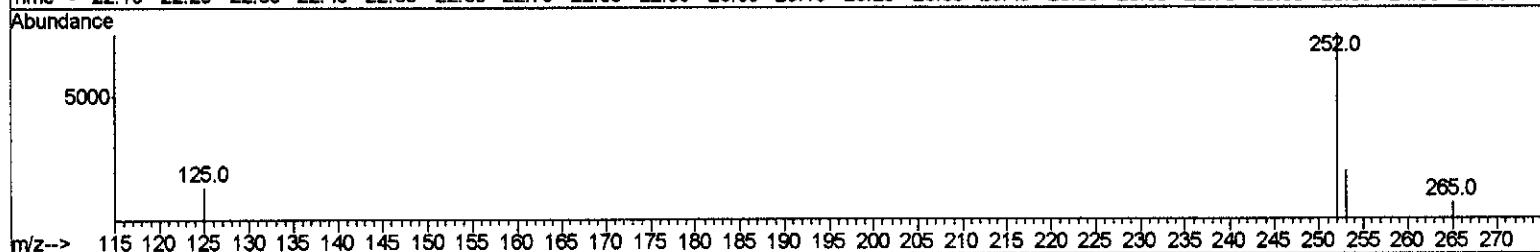
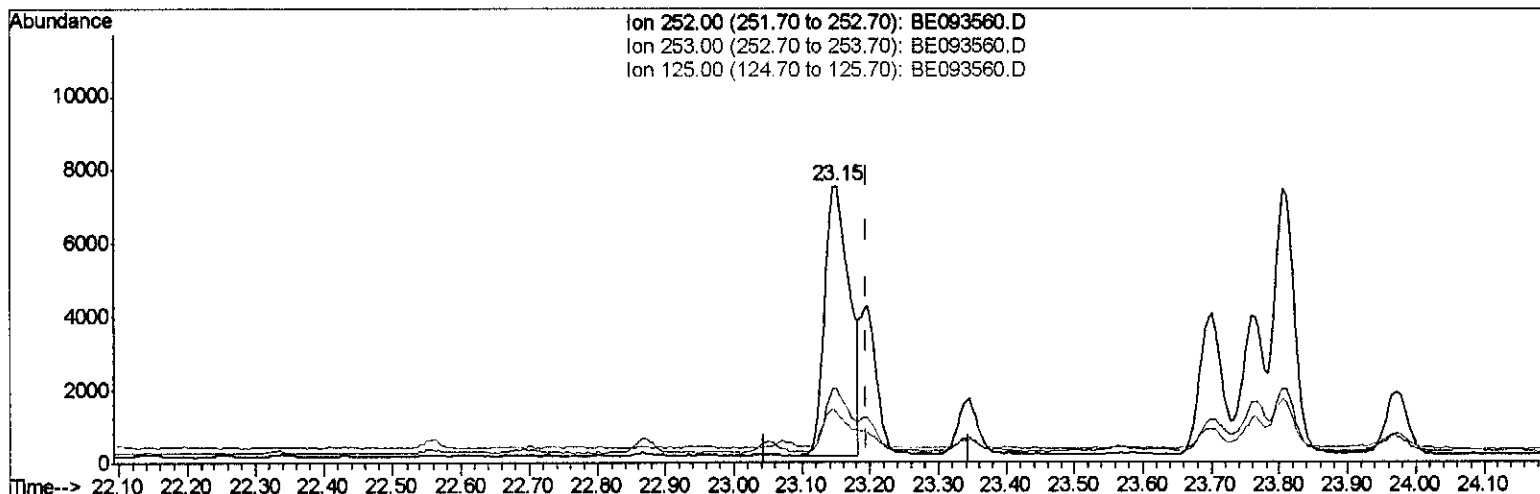
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(22) Benzo(k)fluoranthene

23.149min (-0.045) 0.22ng/ul

response 18841

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.67
125.00	17.10	18.39
0.00	0.00	0.00

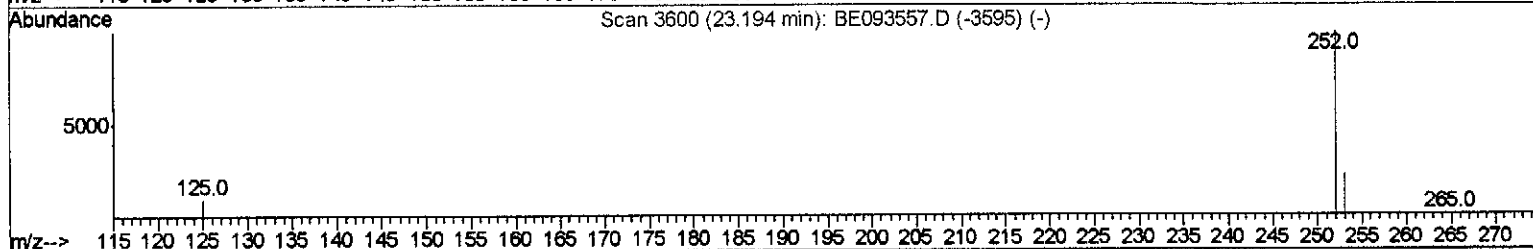
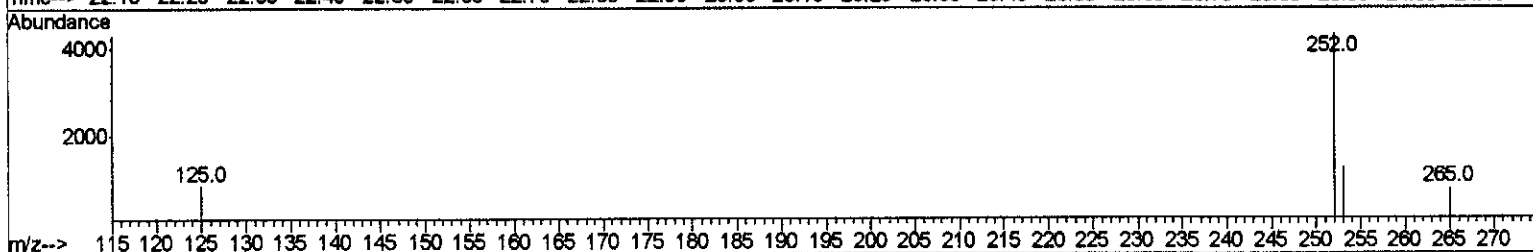
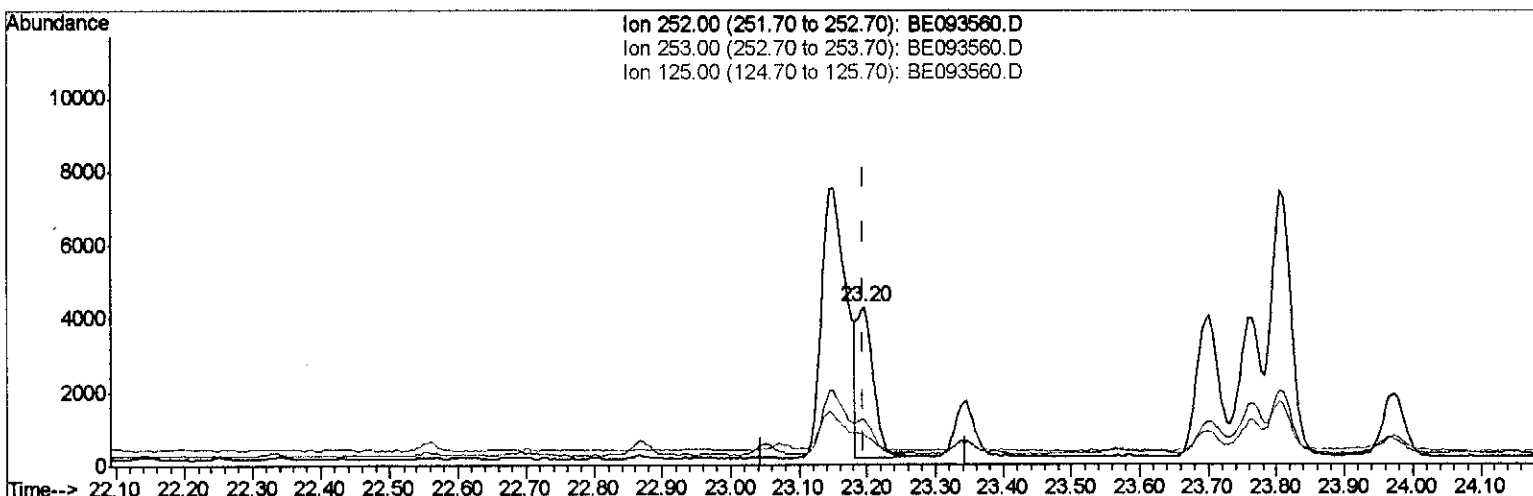
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(22) Benzo(k)fluoranthene

23.195min (+0.001) 0.08ng/ul m

response 6682

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.31
125.00	17.10	19.46
0.00	0.00	0.00

Quantitation Report (Qedit)

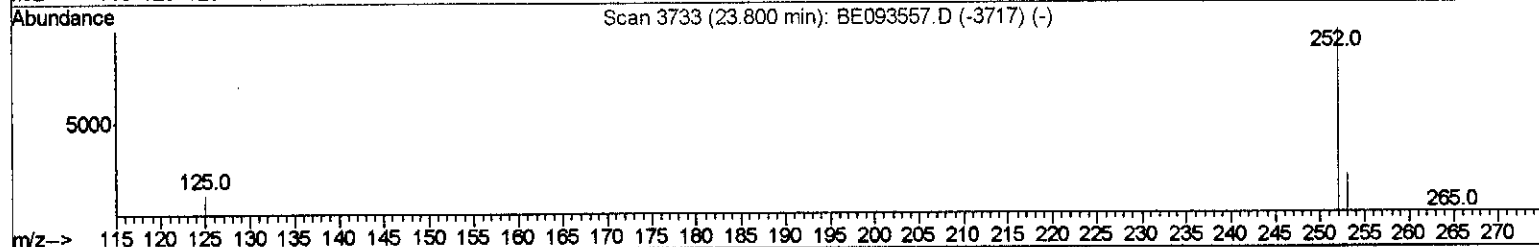
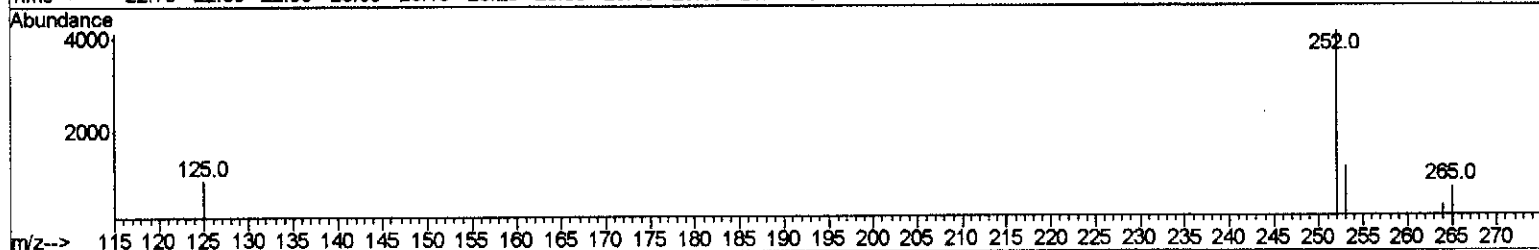
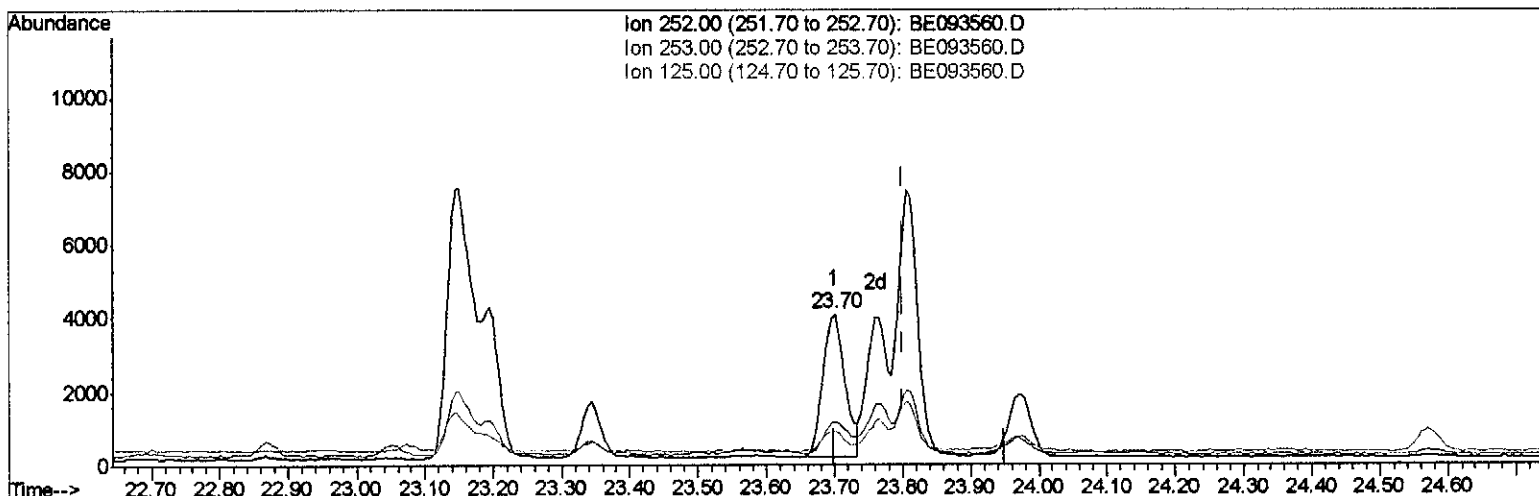
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093560.D
 Acq On : 25 Jul 2017 4:30
 Operator : SJ/JU
 Sample : I4213-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B32

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
 Response via : Initial Calibration



TIC: BE093560.D

(23) Benzo(a)pyrene (C)

23.701min (-0.100) 0.11ng/ul

response 8836

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.89
125.00	22.60	22.79
0.00	0.00	0.00

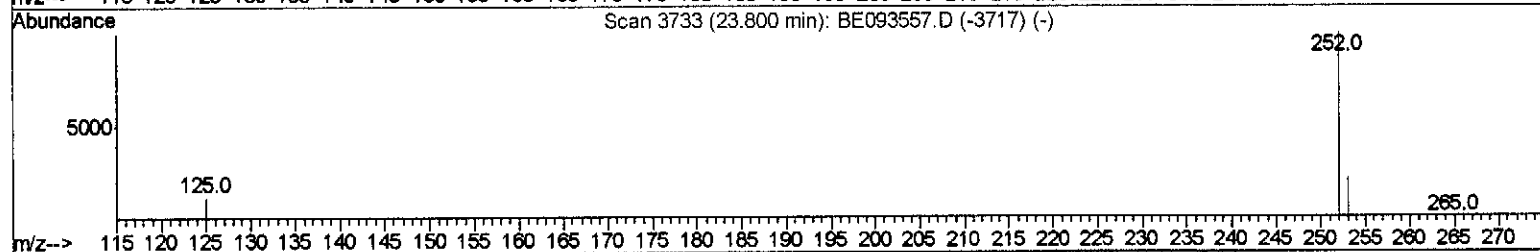
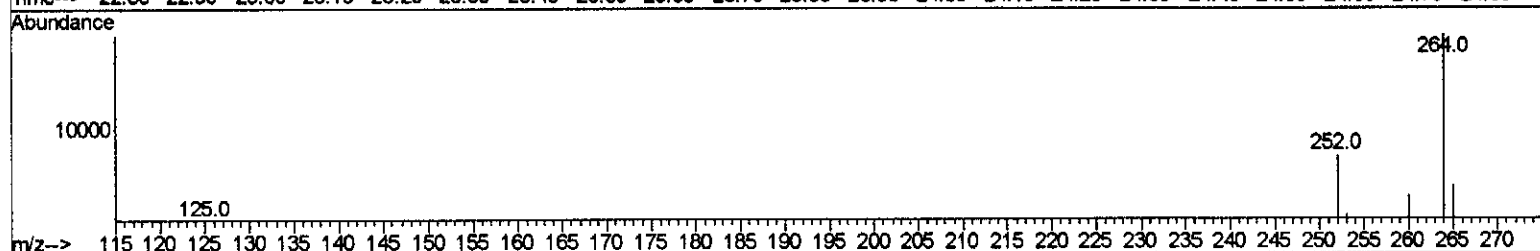
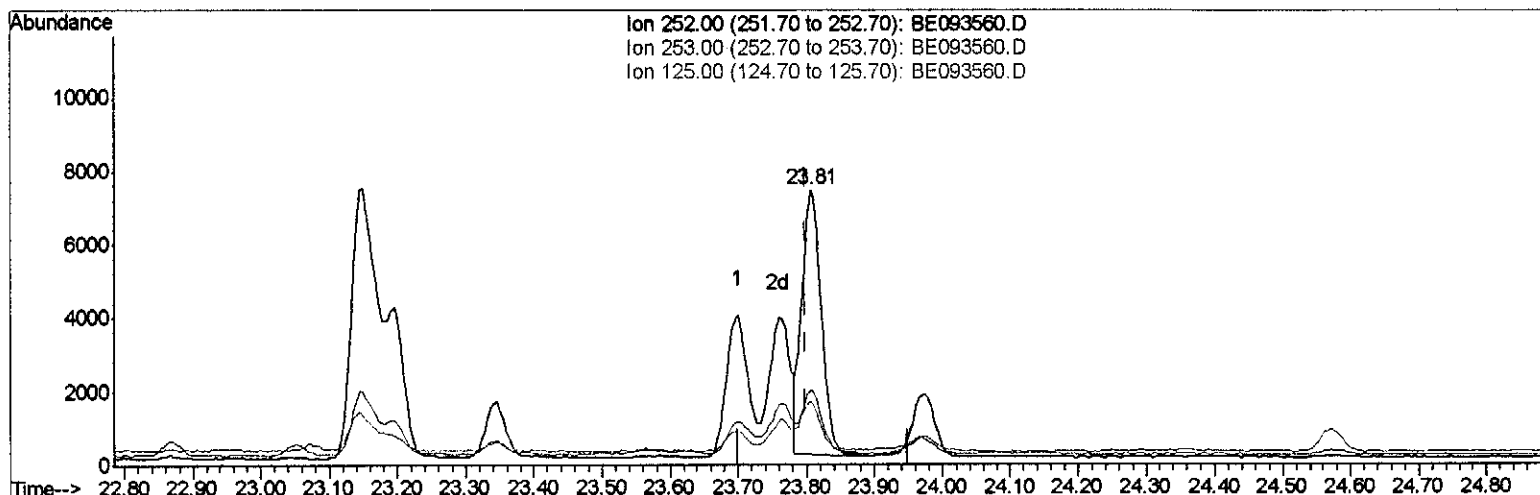
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.17ng/ul m

response 14122

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.19#
125.00	22.60	23.19
0.00	0.00	0.00

[Handwritten signature]

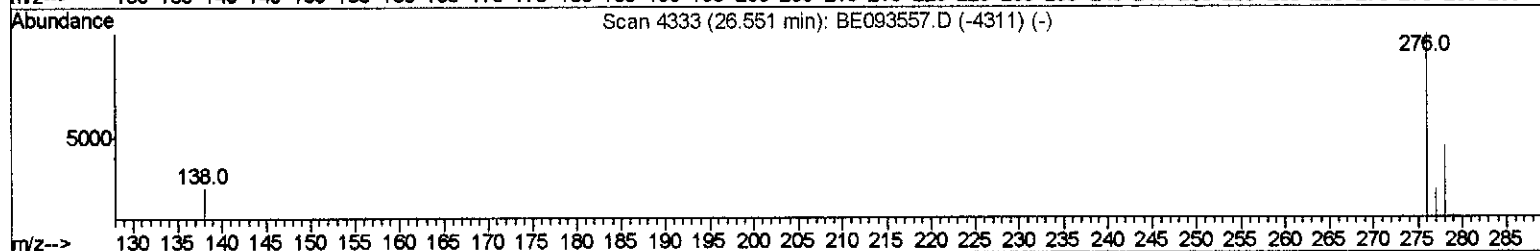
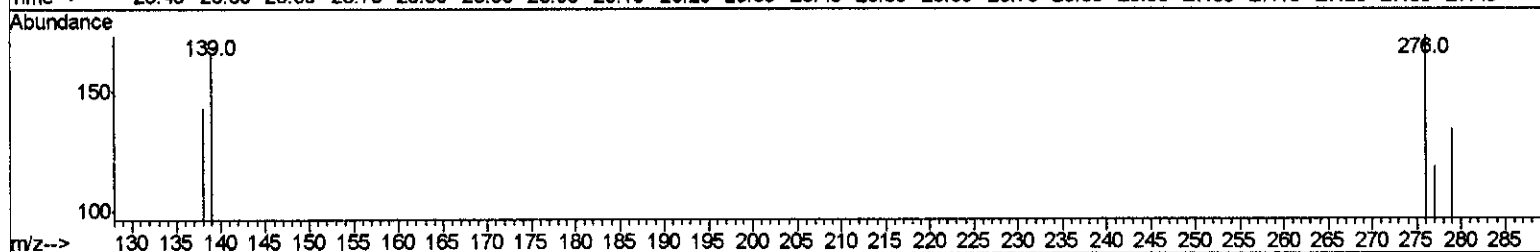
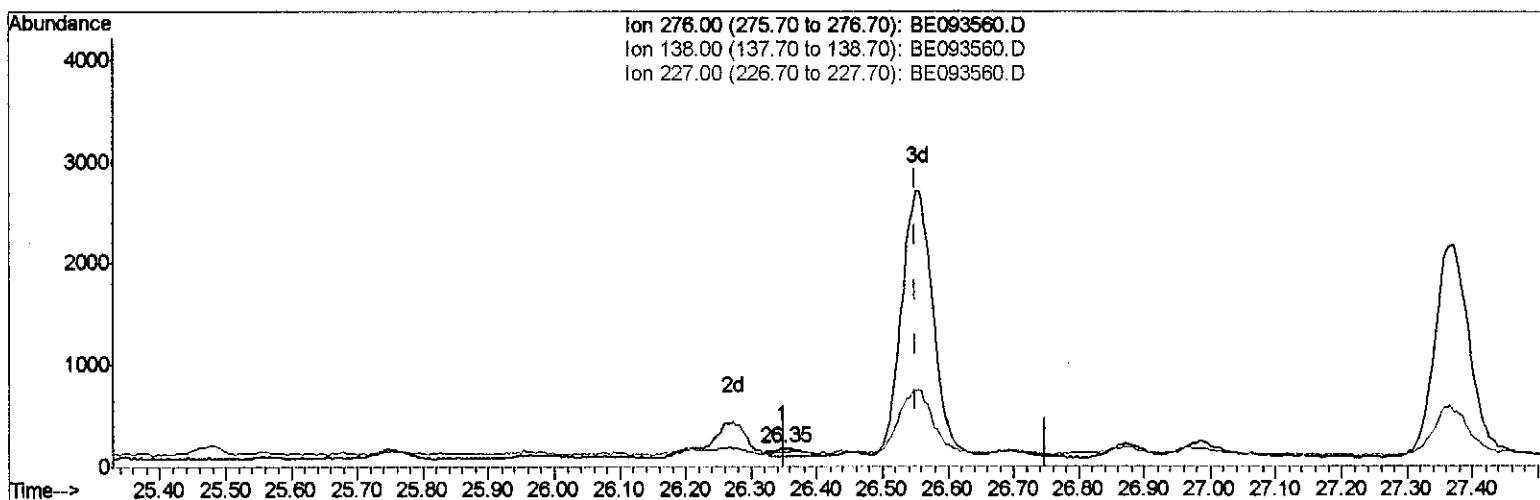
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

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

26.349min (-0.202) 0.00ng/ul

response 220

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	30.91
227.00	10.00	0.00#
0.00	0.00	0.00

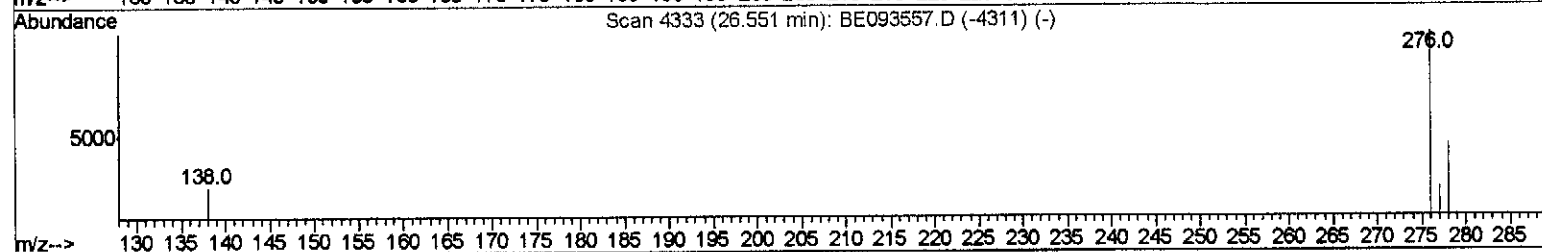
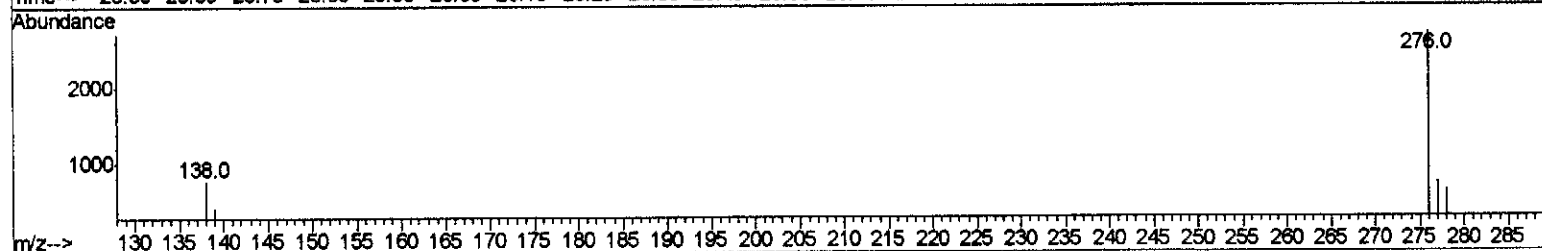
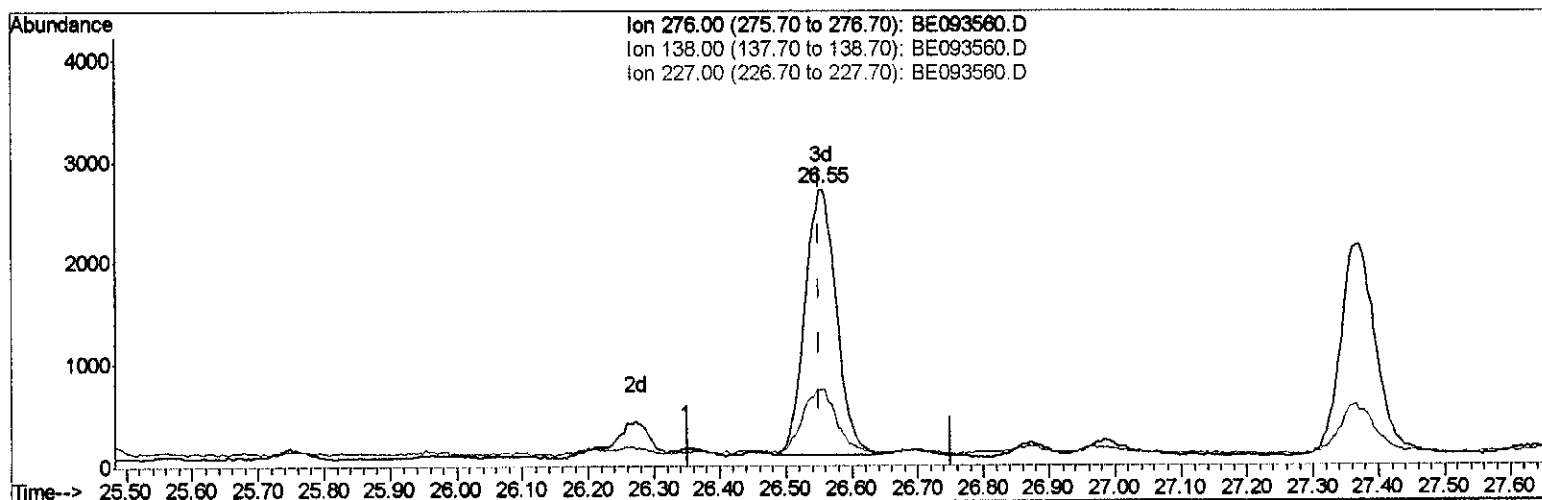
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

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

26.555min (+0.003) 0.09ng/ul m

response 8644

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.79#
227.00	10.00	0.00#
0.00	0.00	0.00

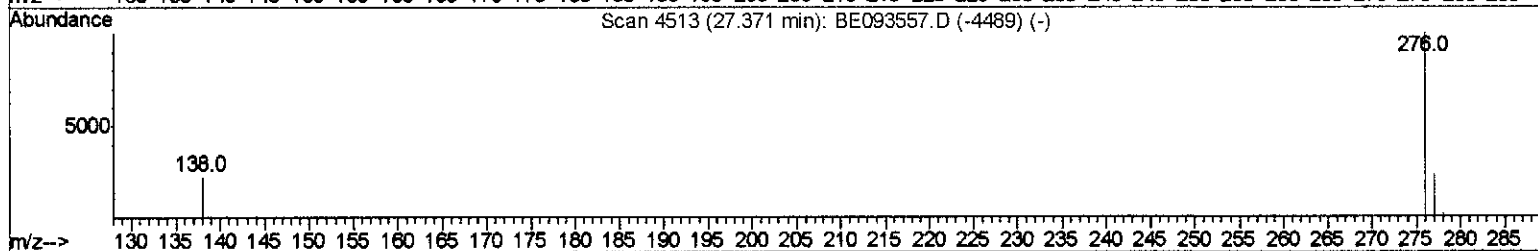
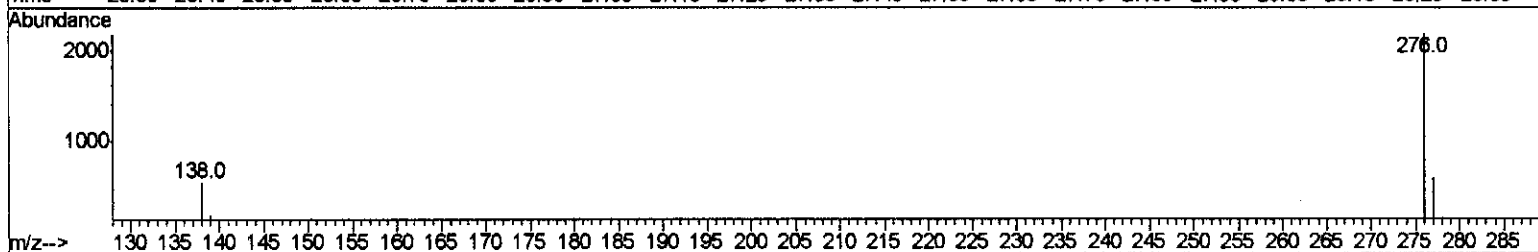
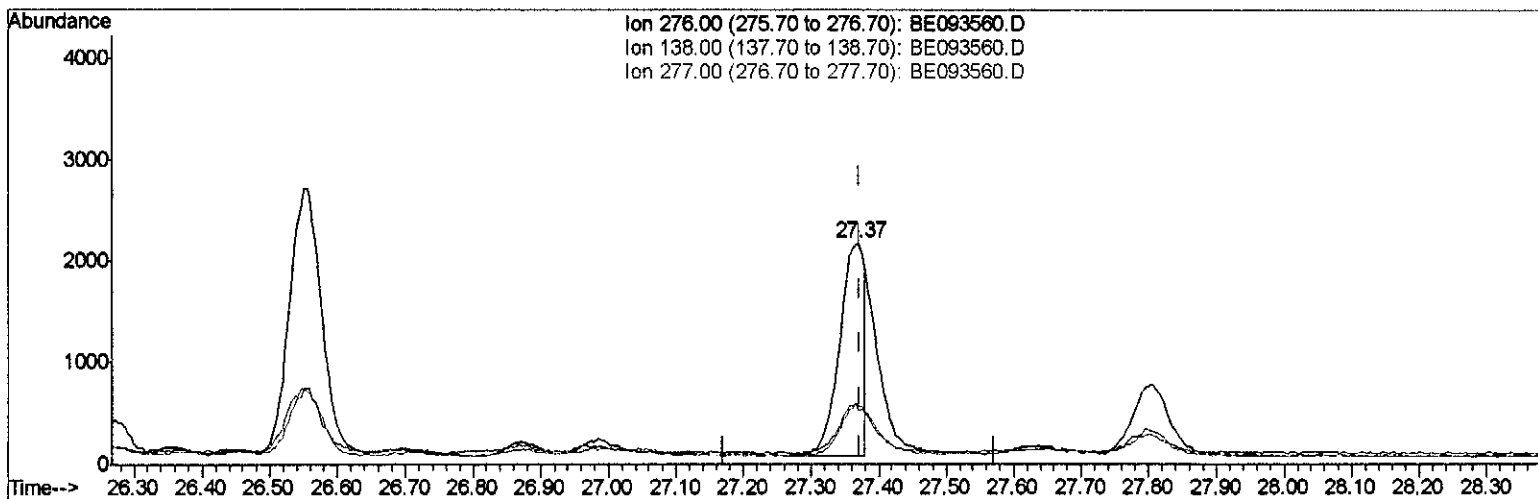
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

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

27.370min (-0.001) 0.07ng/ui

response 5350

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	24.40
277.00	25.60	26.88
0.00	0.00	0.00

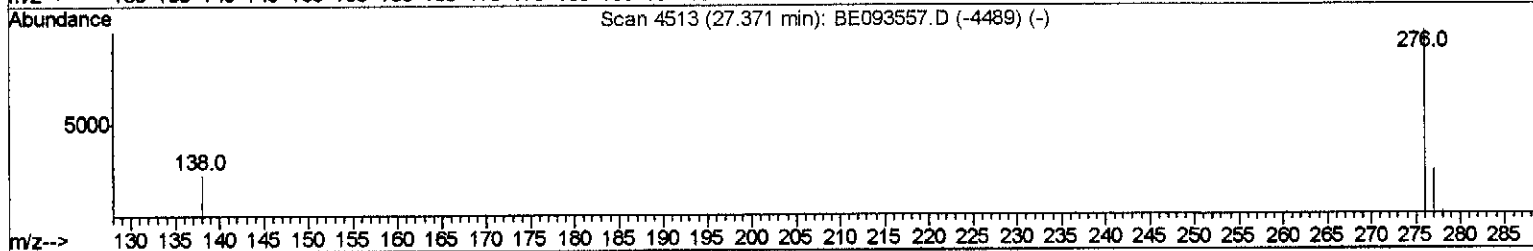
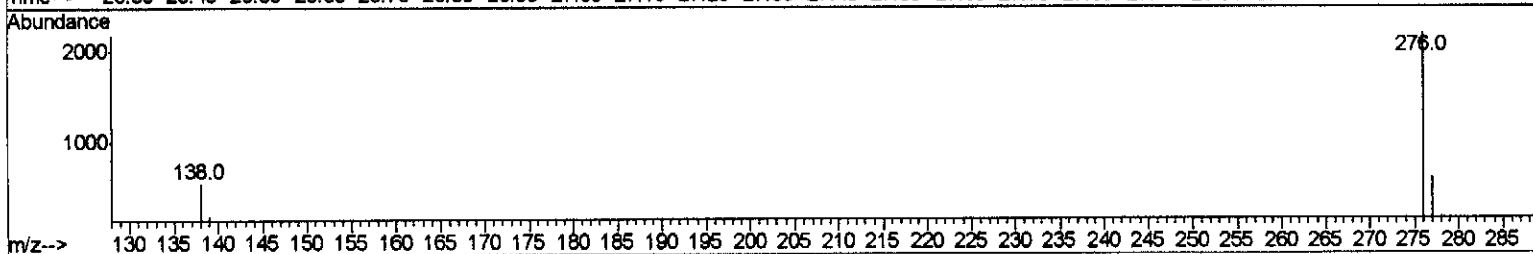
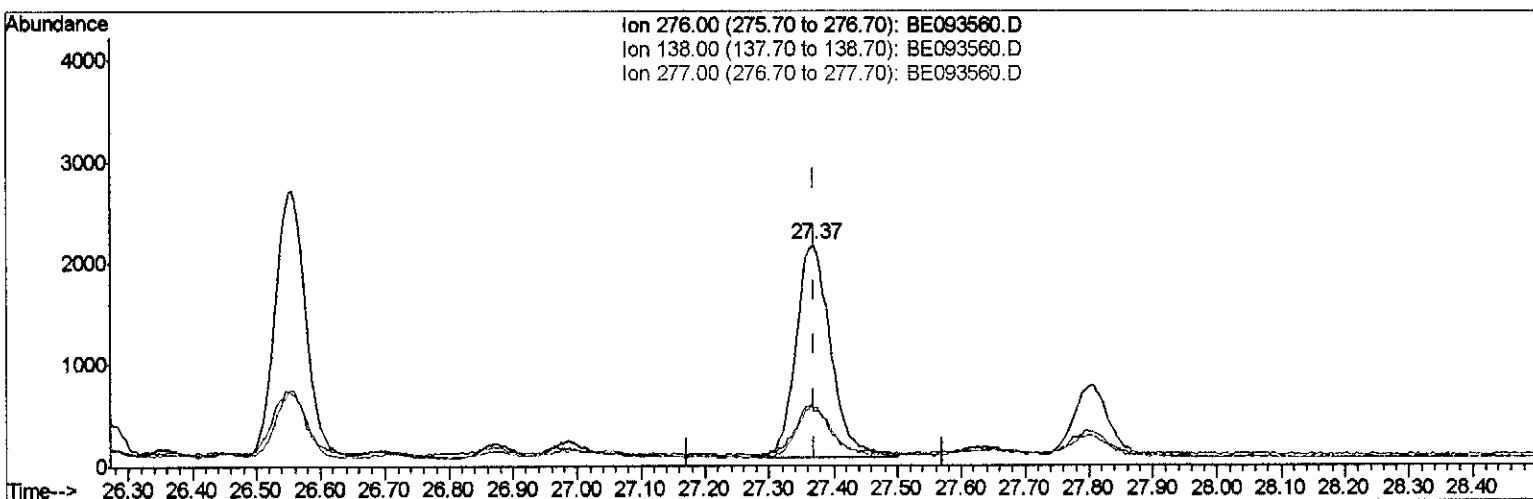
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093560.D
Acq On : 25 Jul 2017 4:30
Operator : SJ/JU
Sample : I4213-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B32

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:25:50 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 06:10:24 2017
Response via : Initial Calibration



TIC: BE093560.D

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

27.370min (-0.001) 0.10ng/ul m

response 7891

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	24.40
277.00	25.60	26.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093560.D
 Acq On : 25 Jul 2017 4:30
 Operator : SJ/JU
 Sample : I4213-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B32

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:58 PM

Quant Time: Jul 25 07:29:58 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 06:10:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	3290	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	17893	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	12043	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	28971m	0.40	ng/ul	>0.00
16) Chrysene-d12	21.41	240	31523	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	28198m	0.40	ng/ul	>0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	9400	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	30388	0.33	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.76	128	2133	0.049	ng/ul#	94
7) Acenaphthylene	14.25	152	1816	0.036	ng/ul#	90
12) Phenanthrene	17.29	178	4698m	0.060	ng/ul	> 84
15) Fluoranthene	19.30	202	20761	0.210	ng/ul	84
17) Pyrene	19.67	202	22607	0.246	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	12707	0.139	ng/ul#	86
19) Chrysene	21.45	228	12331	0.141	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	18841	0.216	ng/ul	93
22) Benzo(k)fluoranthene	23.20	252	6682m	0.078	ng/ul	} 84
23) Benzo(a)pyrene	23.81	252	14122m	0.170	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	8644m	0.094	ng/ul	
26) Benzo(g,h,i)perylene	27.37	276	7891m	0.102	ng/ul	

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