

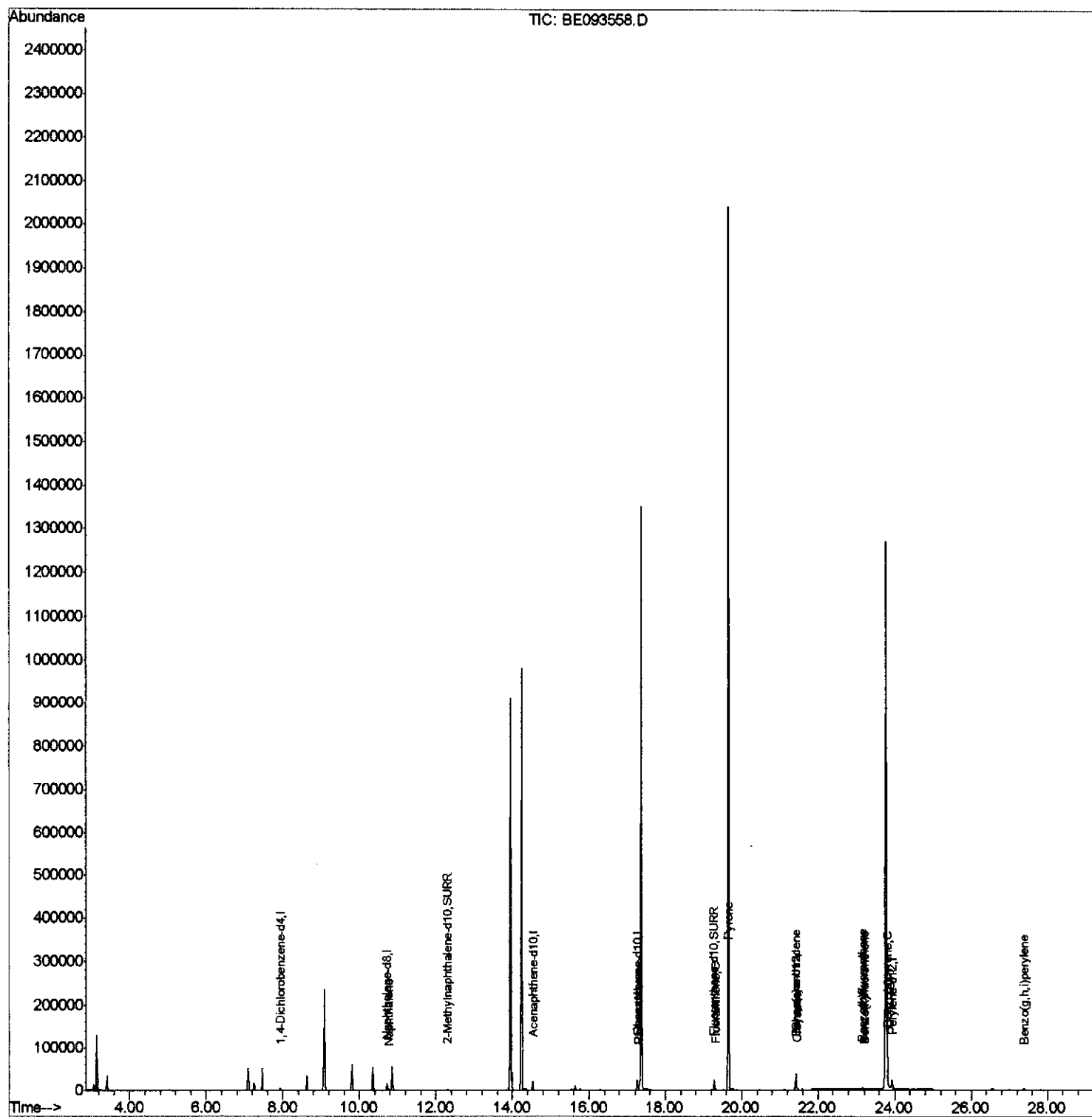
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:39:10 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

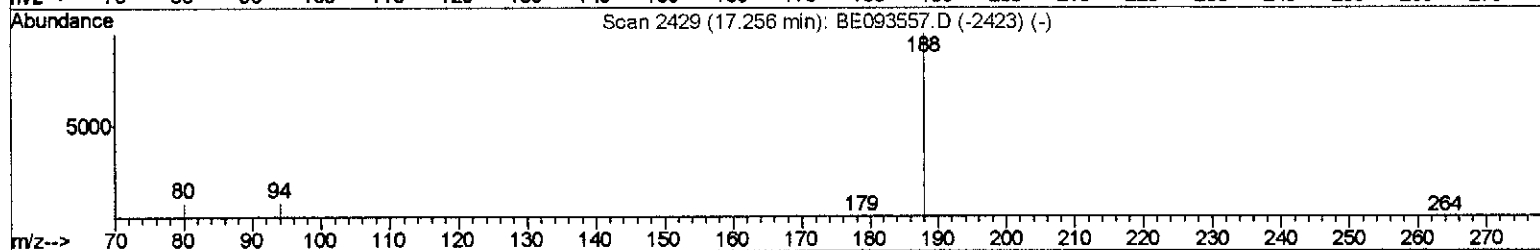
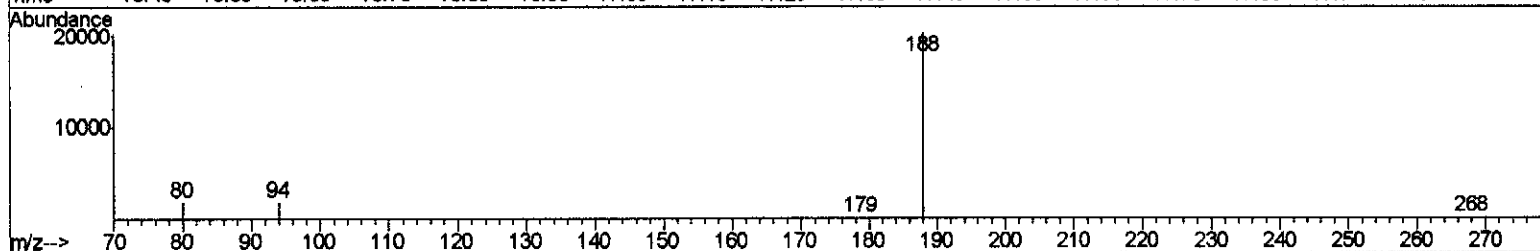
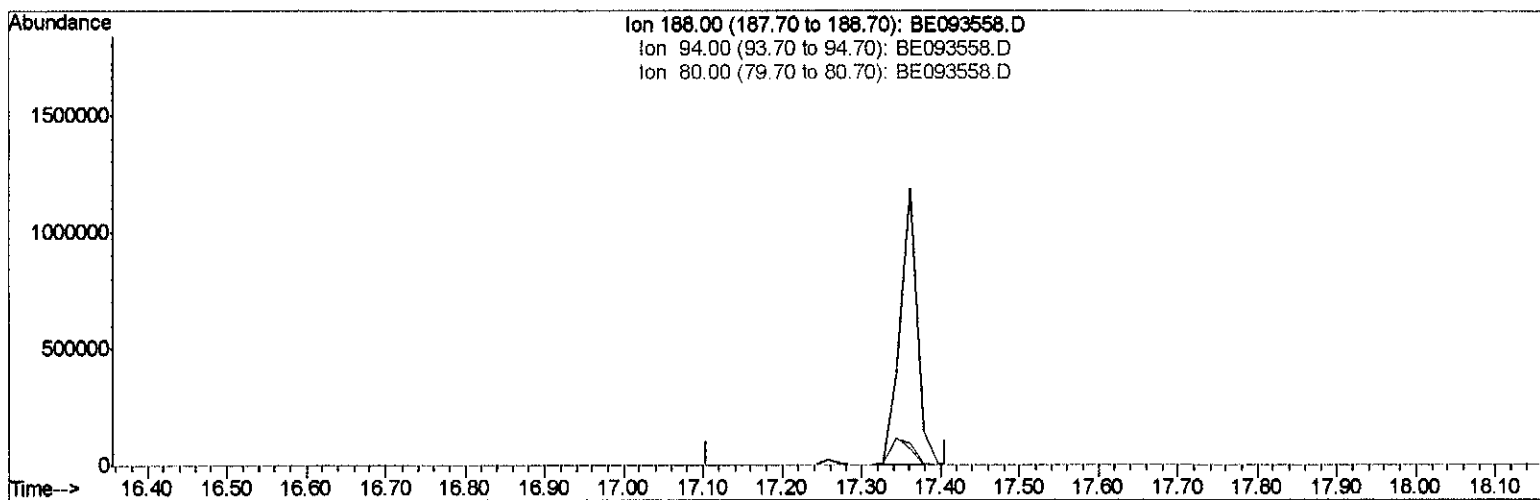
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:34:02 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: BE093558.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

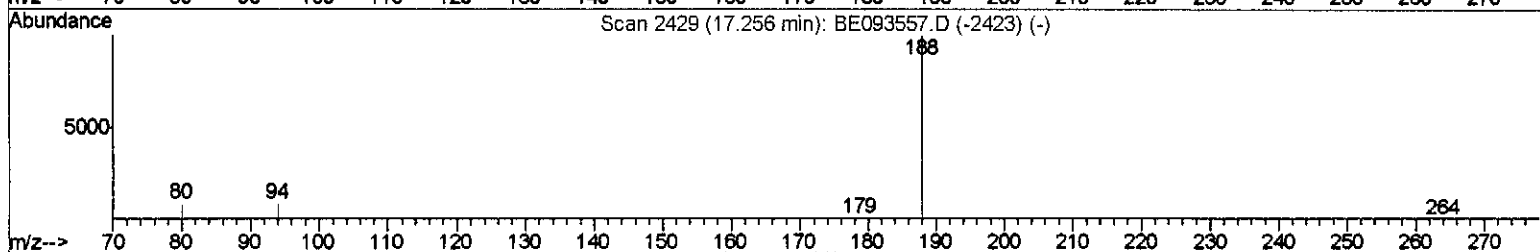
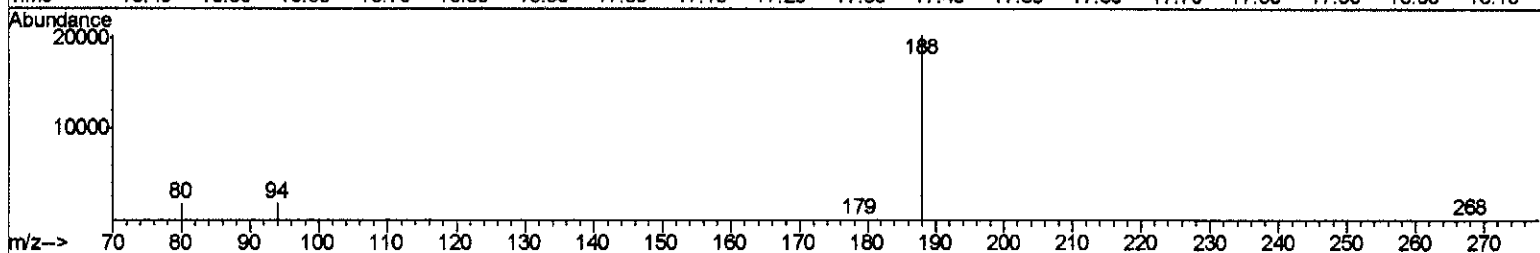
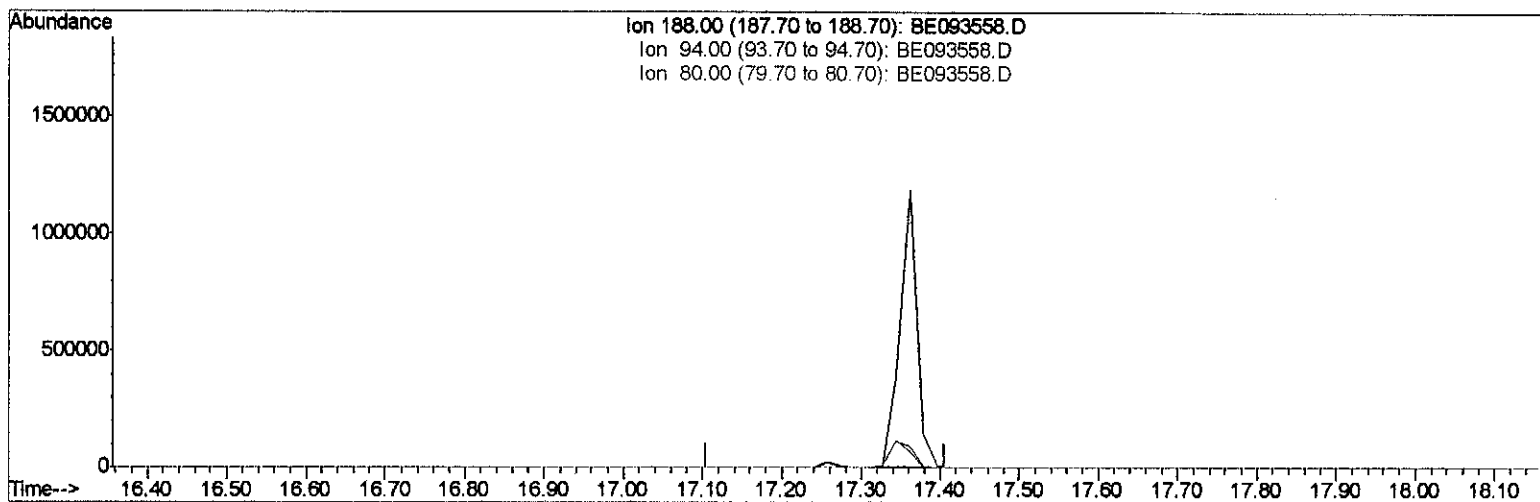
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:34:02 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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QLast Update : Tue Jul 25 06:10:24 2017
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TIC: BE093558.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

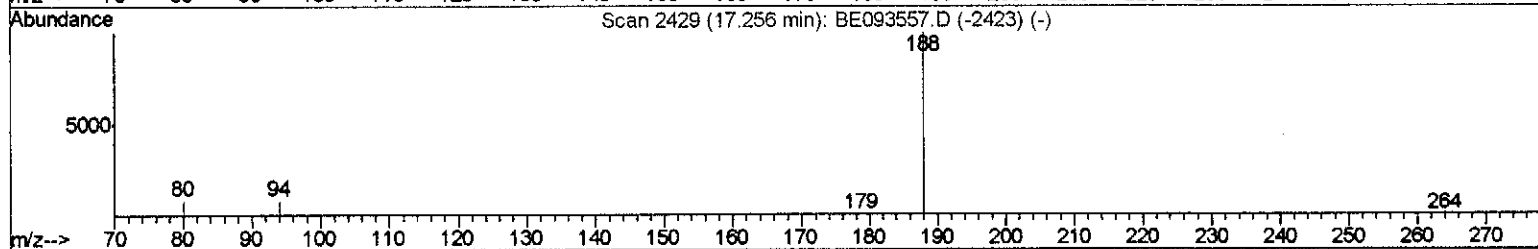
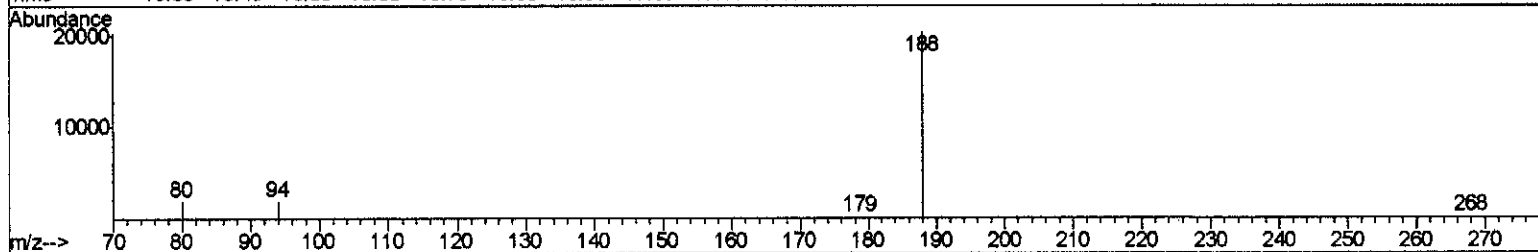
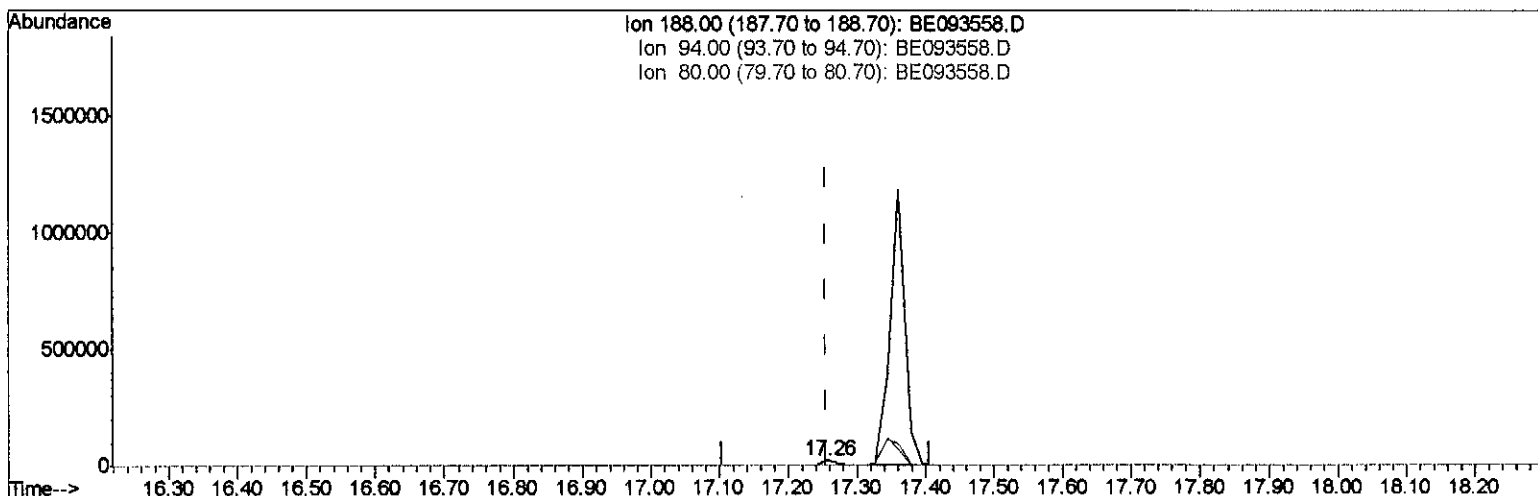
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:34:02 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
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TIC: BE093558.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

response 29288

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.04
80.00	11.80	8.96#
0.00	0.00	0.00

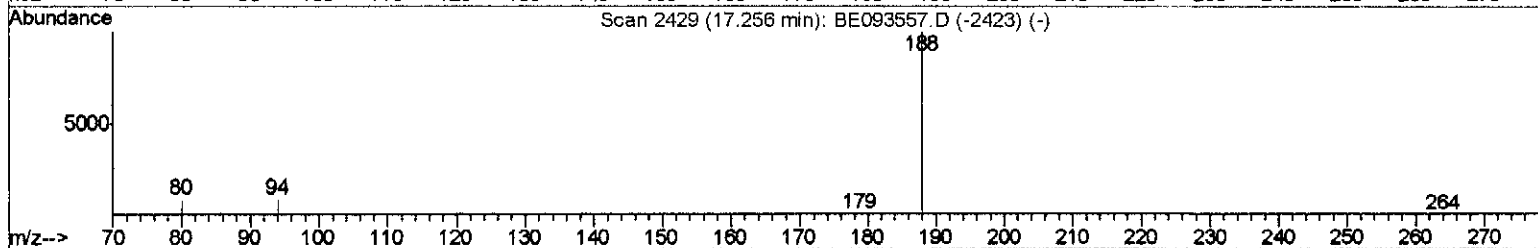
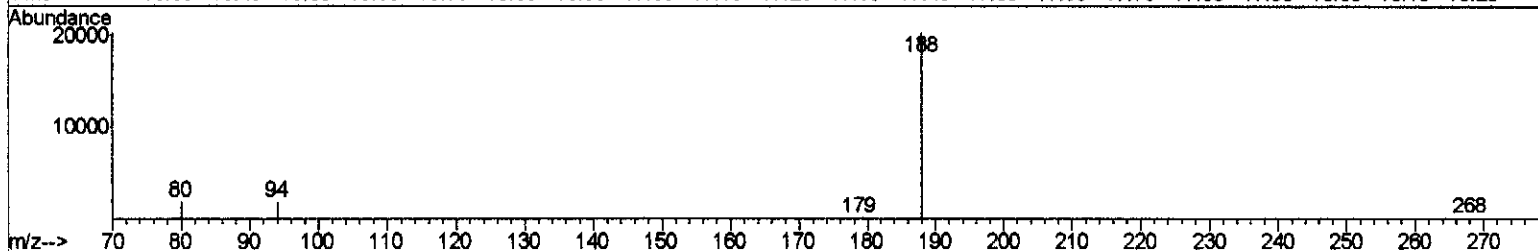
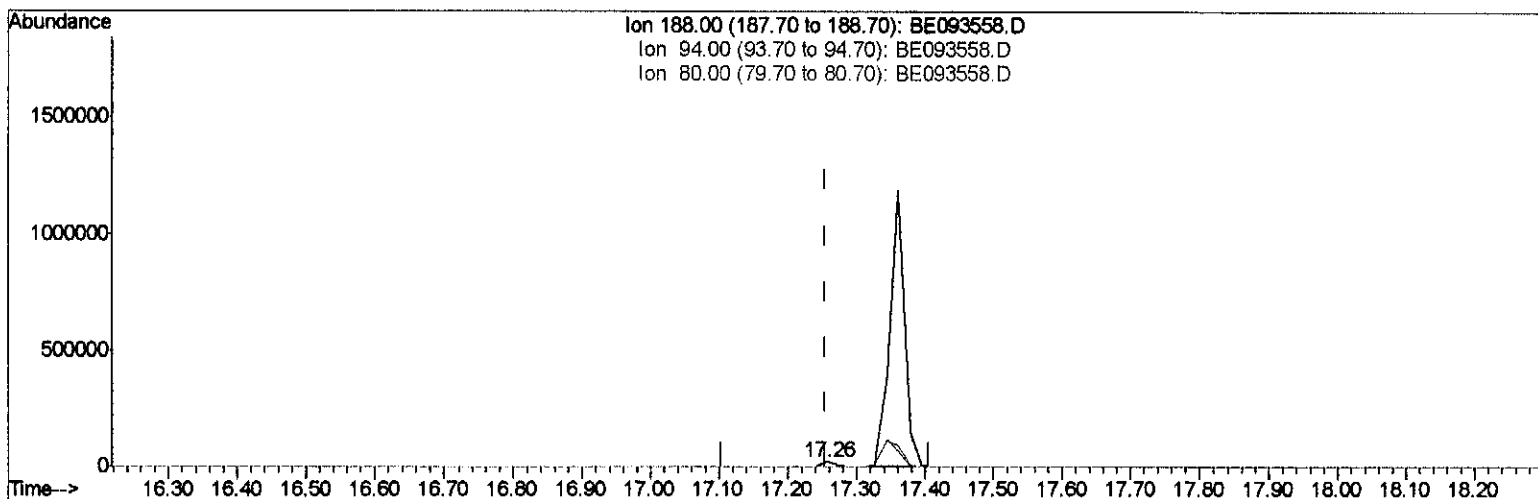
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:34:02 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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TIC: BE093558.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

response 29288

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.04
80.00	11.80	8.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

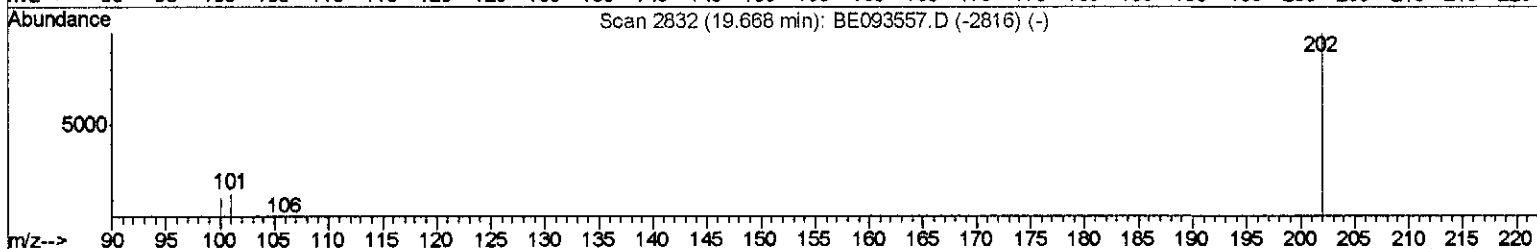
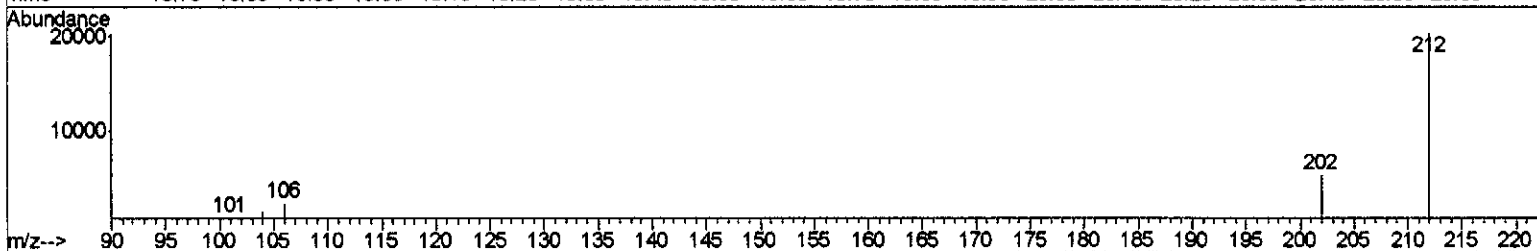
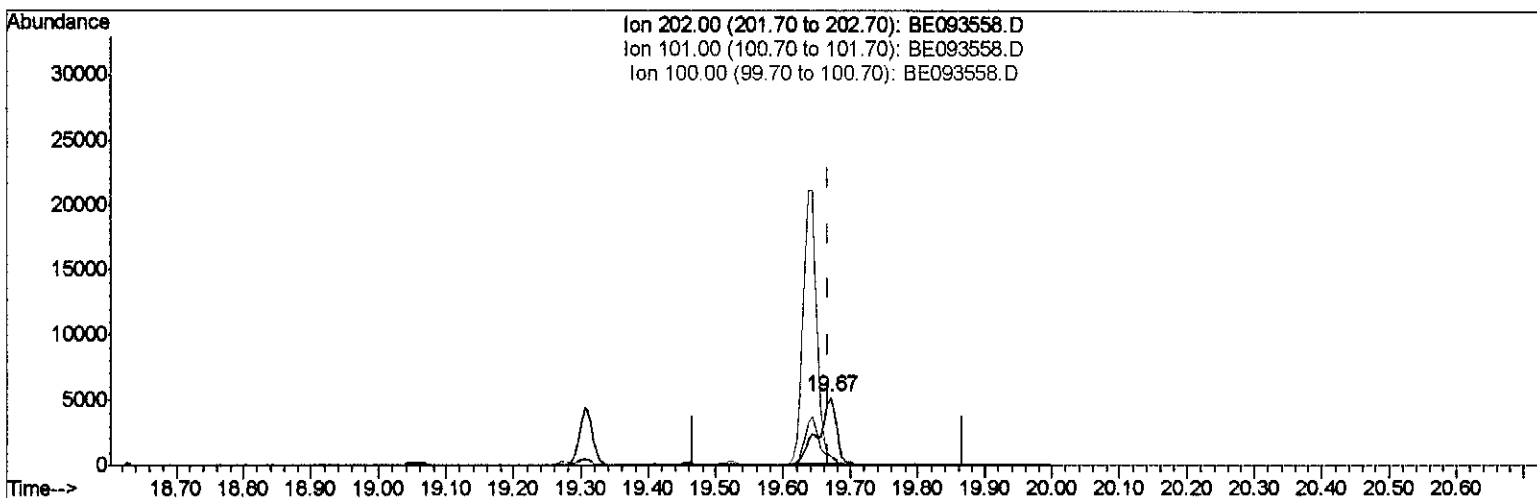
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:36:05 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: BE093558.D

(17) Pyrene

19.669min (+0.001) 0.10ng/ul

response 9721

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	15.06#
100.00	19.50	14.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

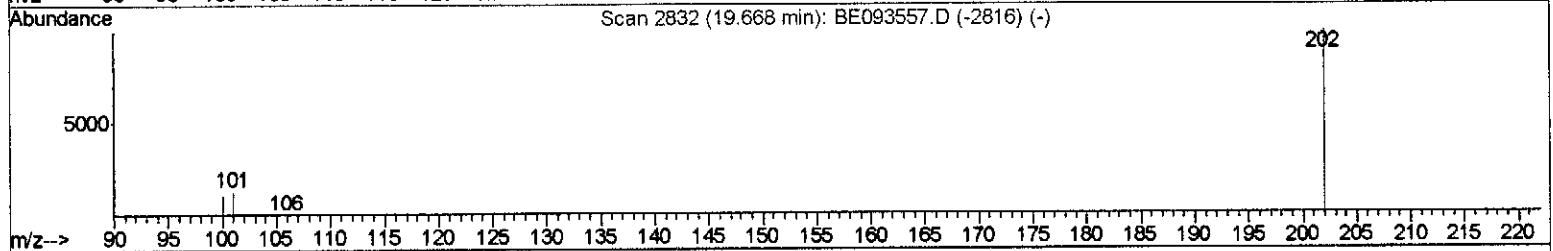
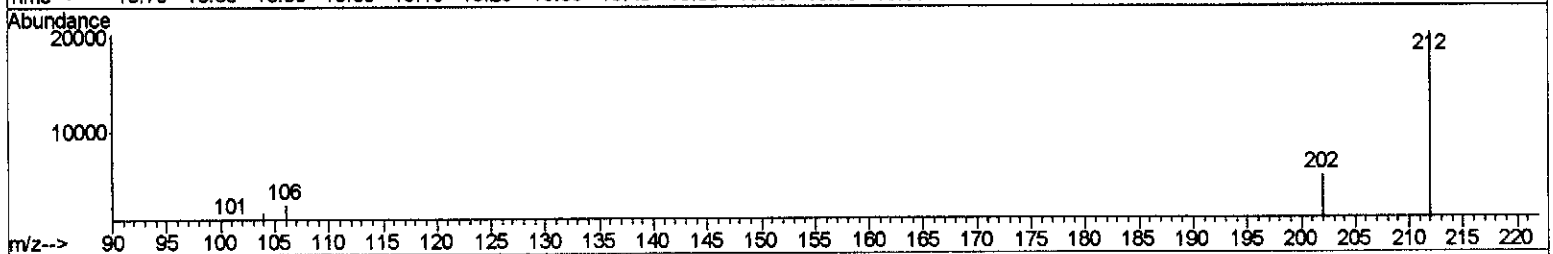
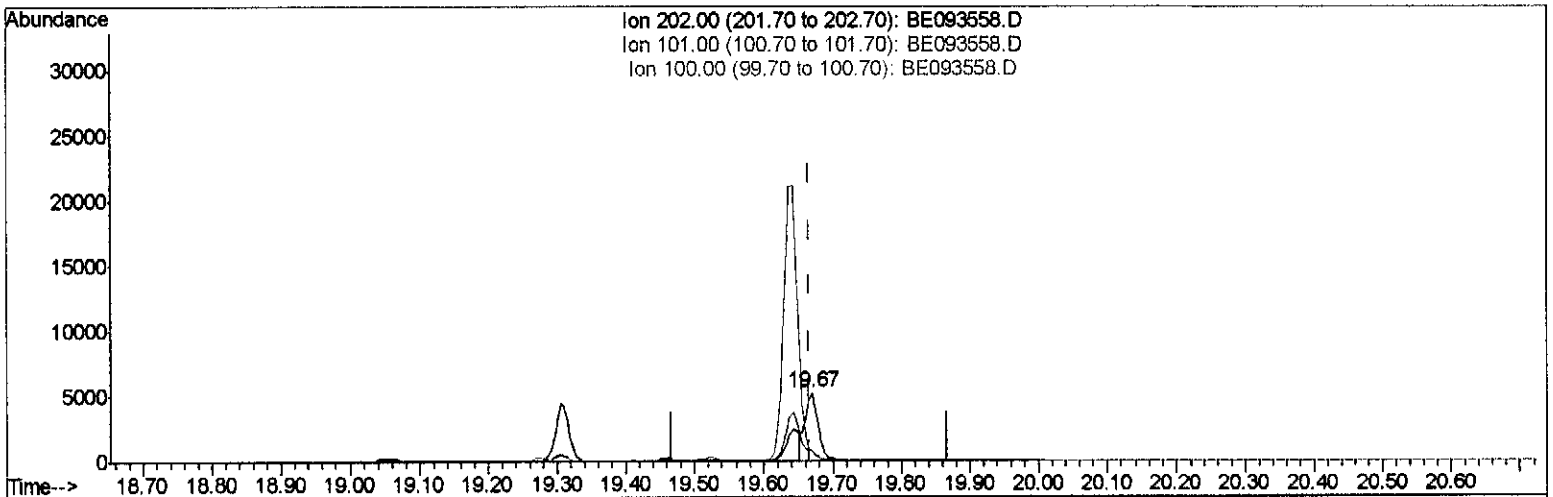
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093558.D
 Acq On : 25 Jul 2017 3:18
 Operator : SJ/JU
 Sample : I4209-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B12

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:36:05 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: BE093558.D

(17) Pyrene

19.669min (+0.001) 0.08ng/ul m

response 7173

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	15.06#
100.00	19.50	14.68#
0.00	0.00	0.00

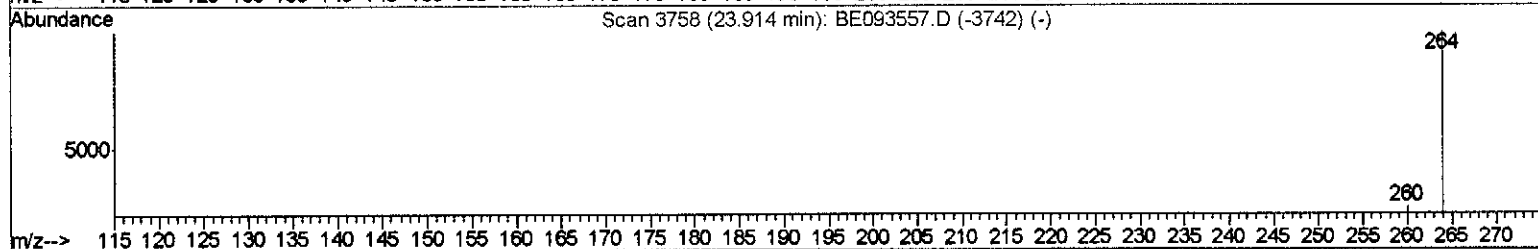
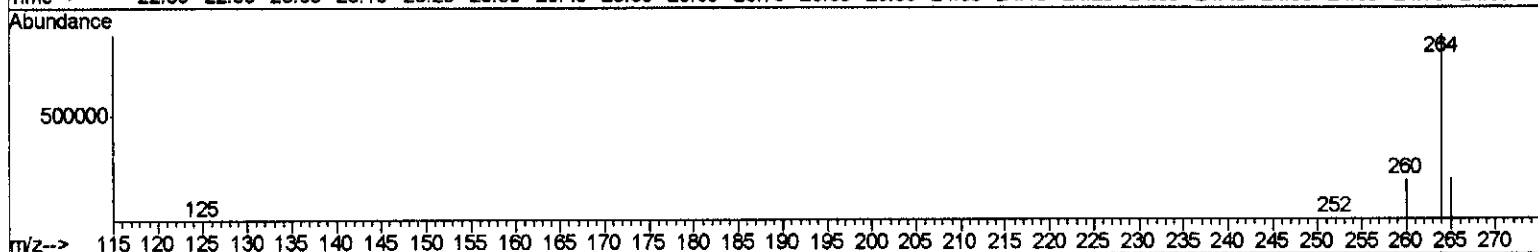
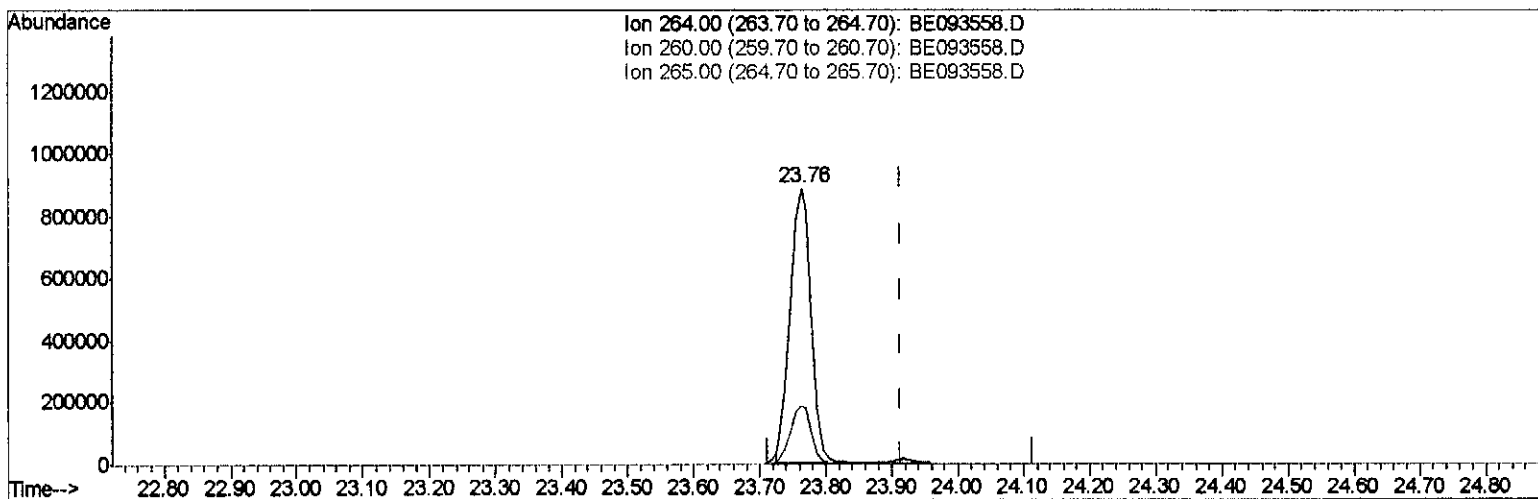
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:36:05 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: BE093558.D

(20) Perylene-d12 (I)

23.764min (-0.150) 0.40ng/ul

response 1938857

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.29#
265.00	103.50	21.50#
0.00	0.00	0.00

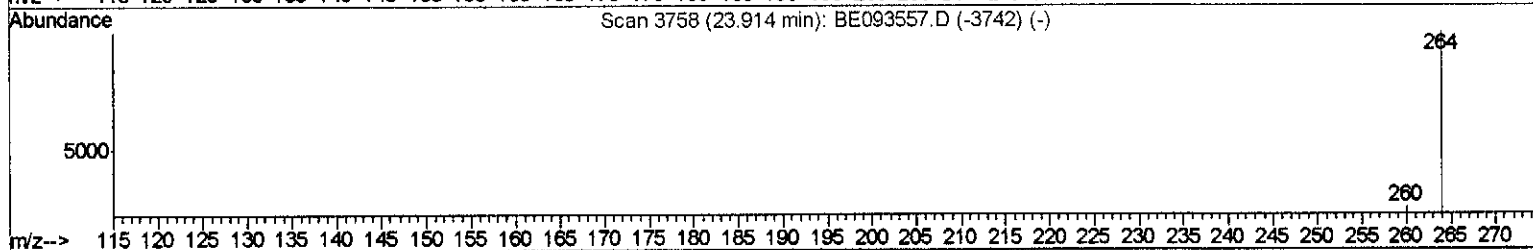
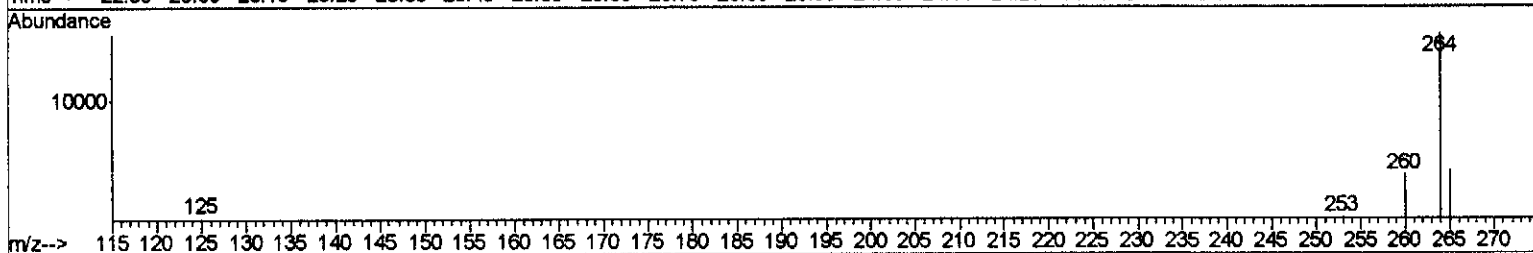
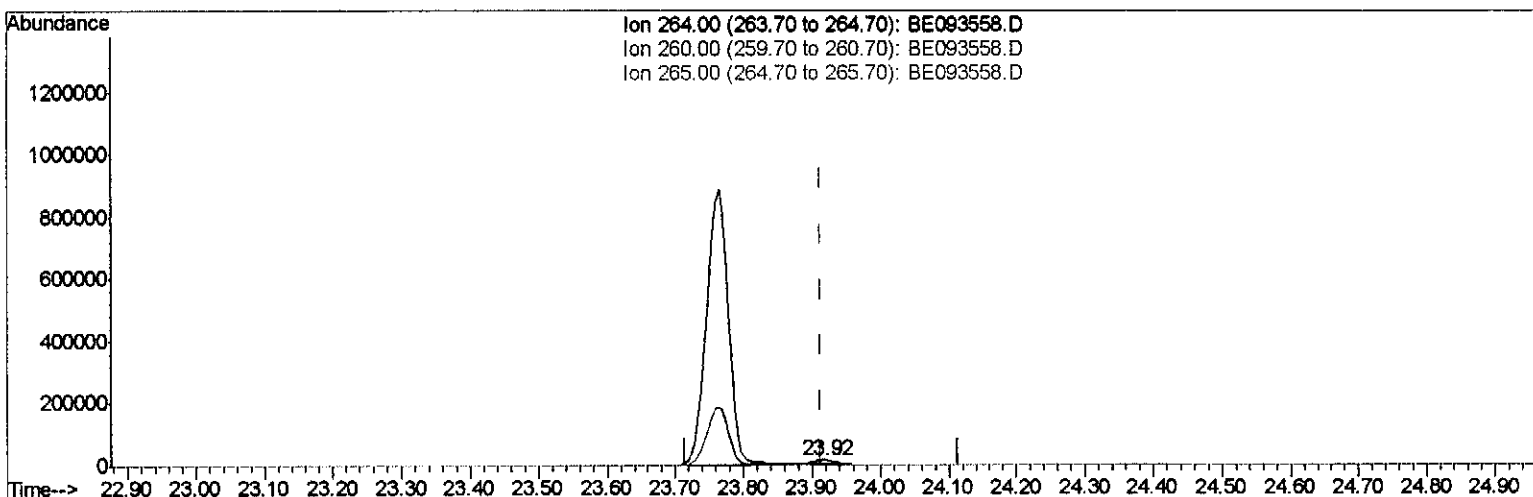
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:36:05 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: BE093558.D

(20) Perylene-d12 (I)

23.919min (+0.005) 0.40ng/ul m

response 26293

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.30
265.00	103.50	26.59#
0.00	0.00	0.00

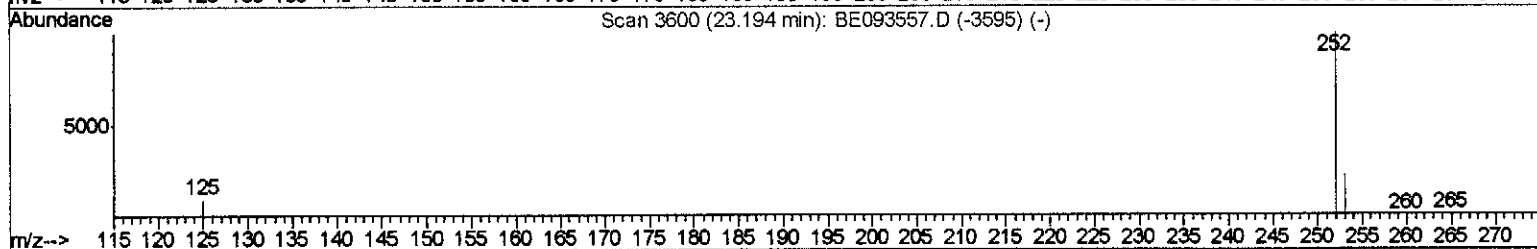
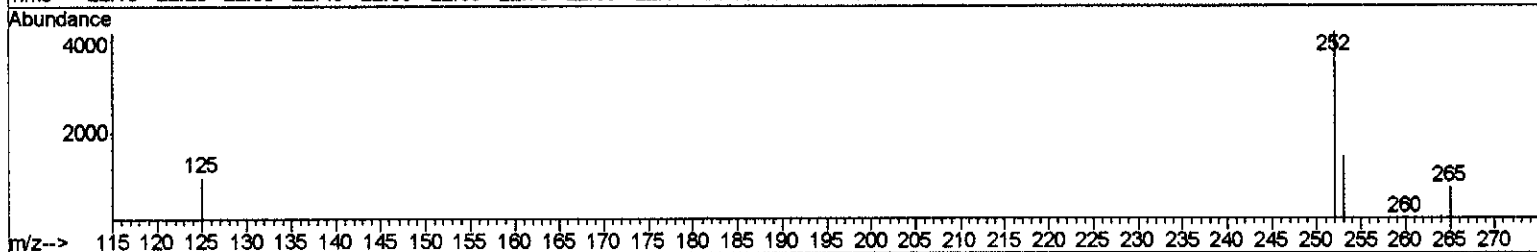
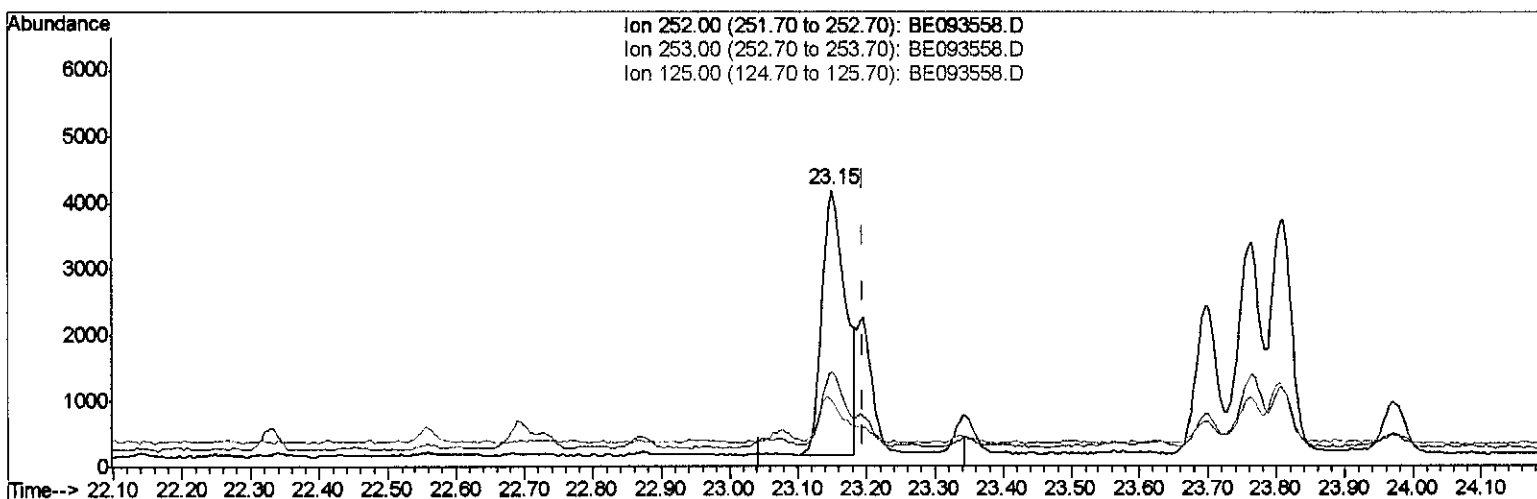
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:37:35 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: BE093558.D

(22) Benzo(k)fluoranthene

23.150min (-0.045) 0.12ng/ul

response 9680

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	34.46
125.00	17.10	23.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

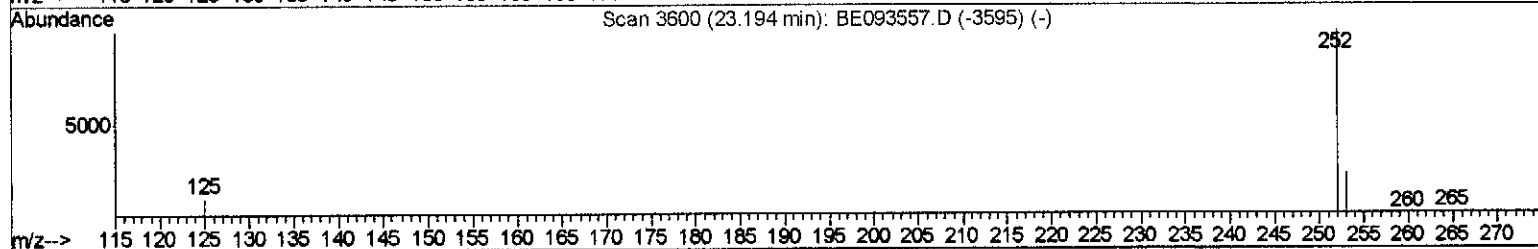
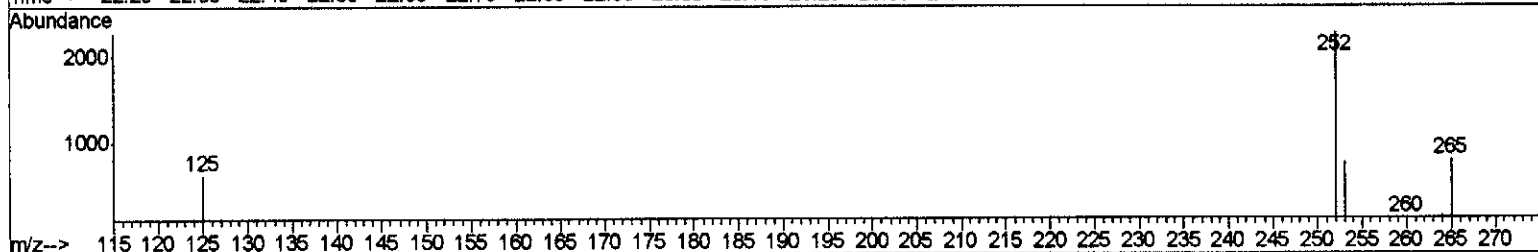
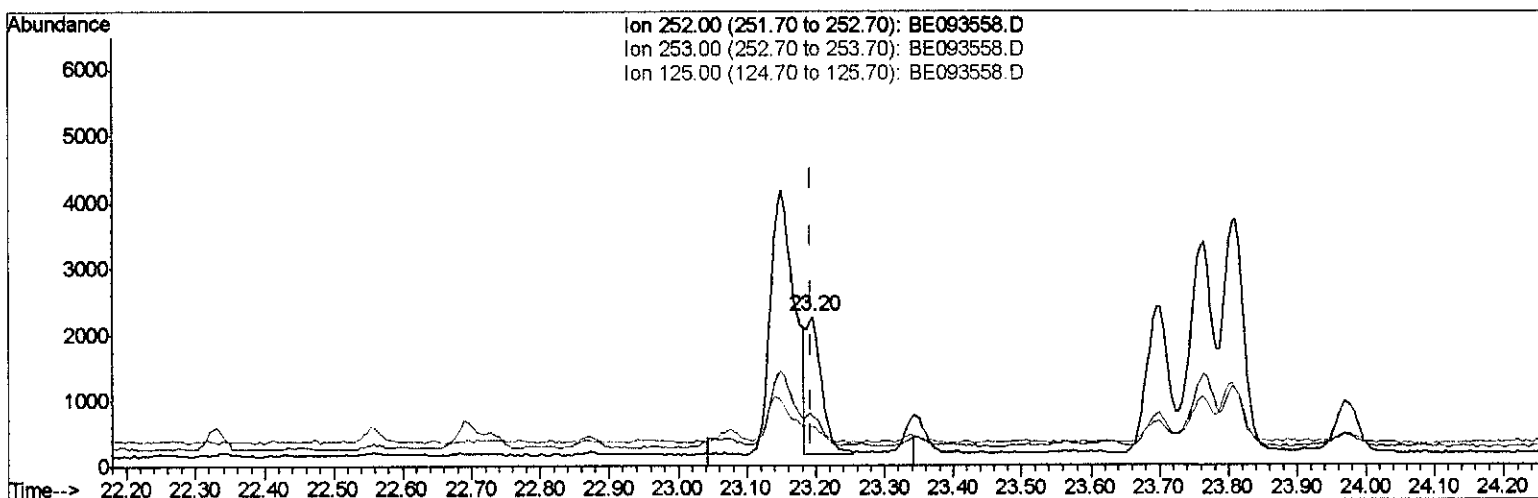
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093558.D
 Acq On : 25 Jul 2017 3:18
 Operator : SJ/JU
 Sample : I4209-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B12

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:37:35 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: BE093558.D

(22) Benzo(k)fluoranthene

23.195min (+0.001) 0.04ng/ul m

response 3357

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.16
125.00	17.10	26.55#
0.00	0.00	0.00

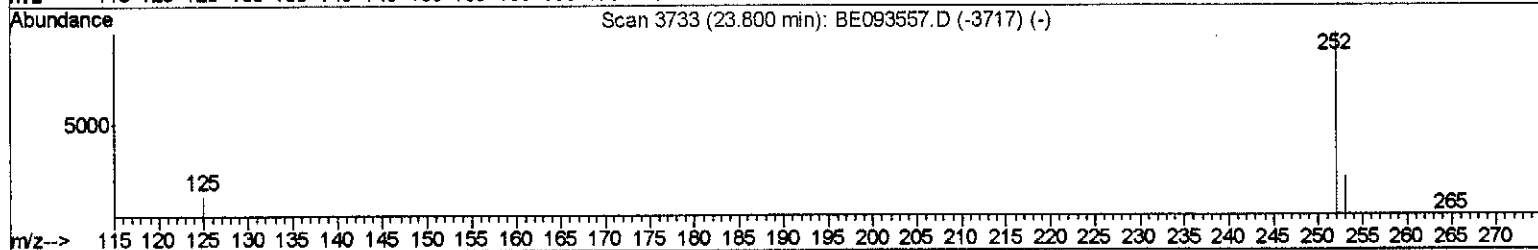
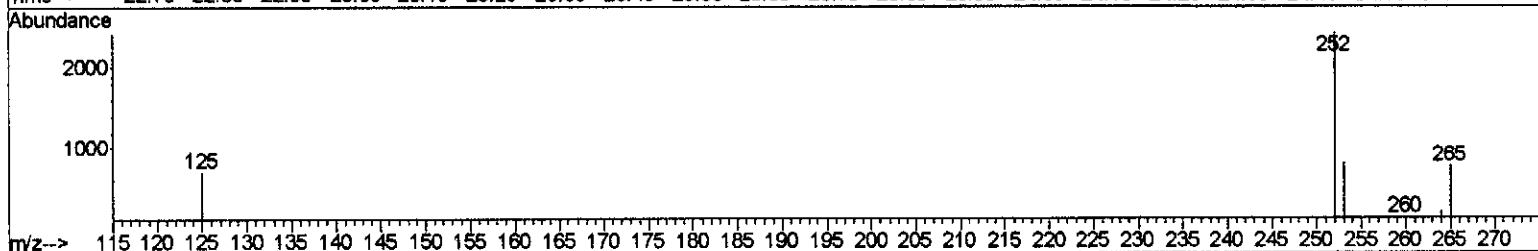
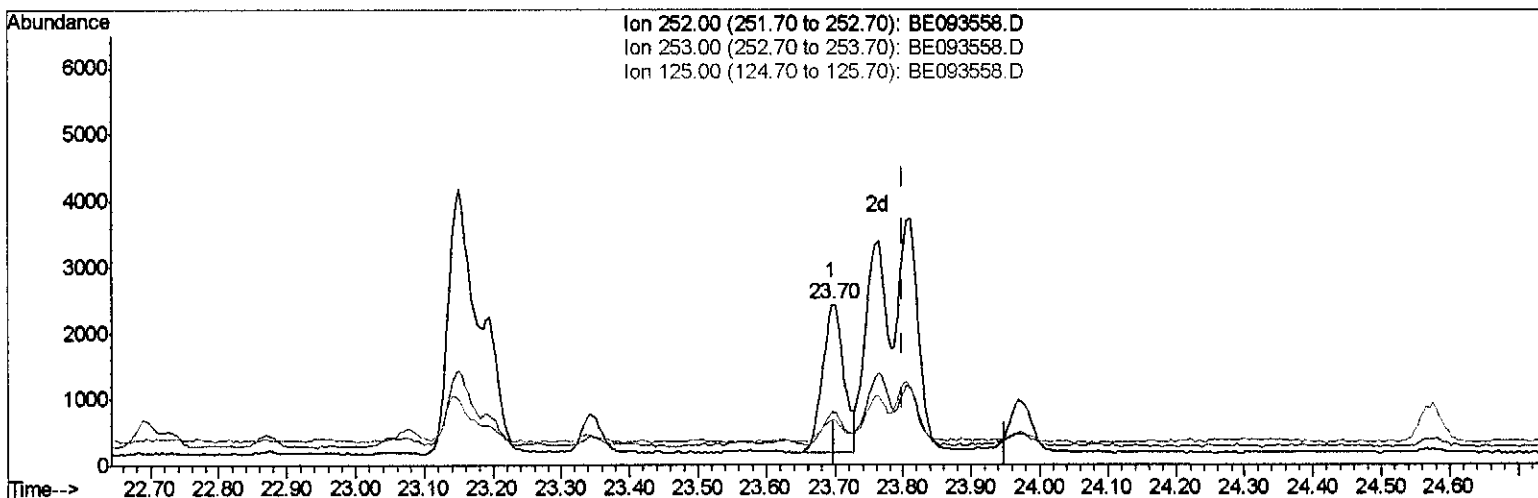
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:37:35 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: BE093558.D

(23) Benzo(a)pyrene (C)

23.696min (-0.104) 0.07ng/ul

response 5033

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	32.76
125.00	22.60	28.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

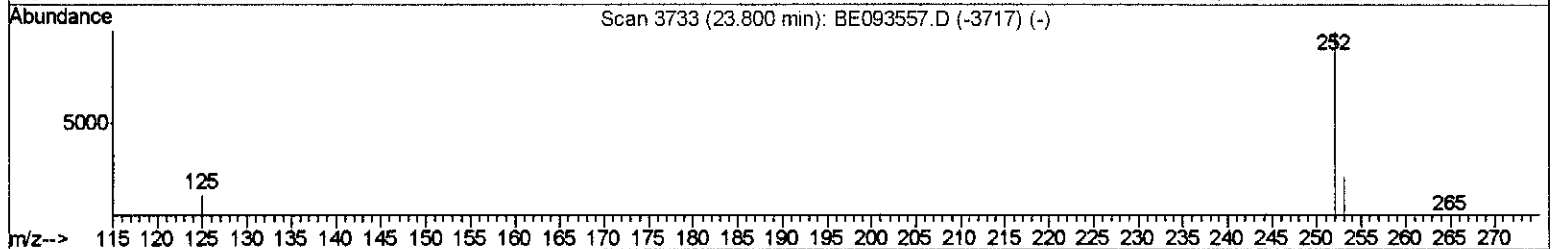
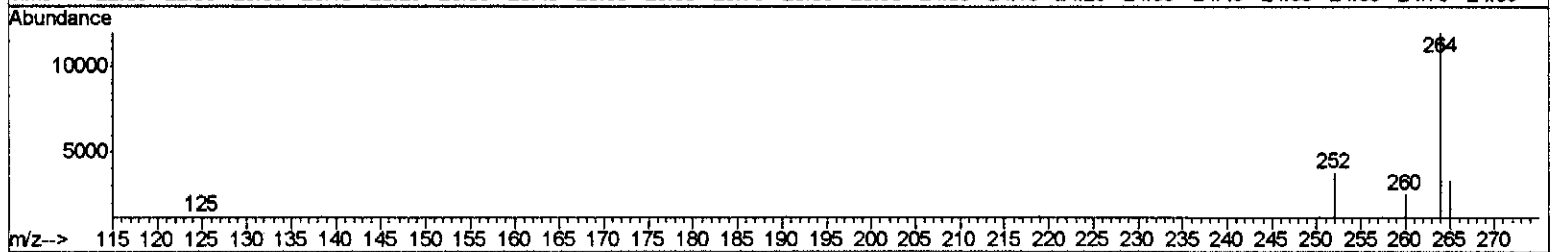
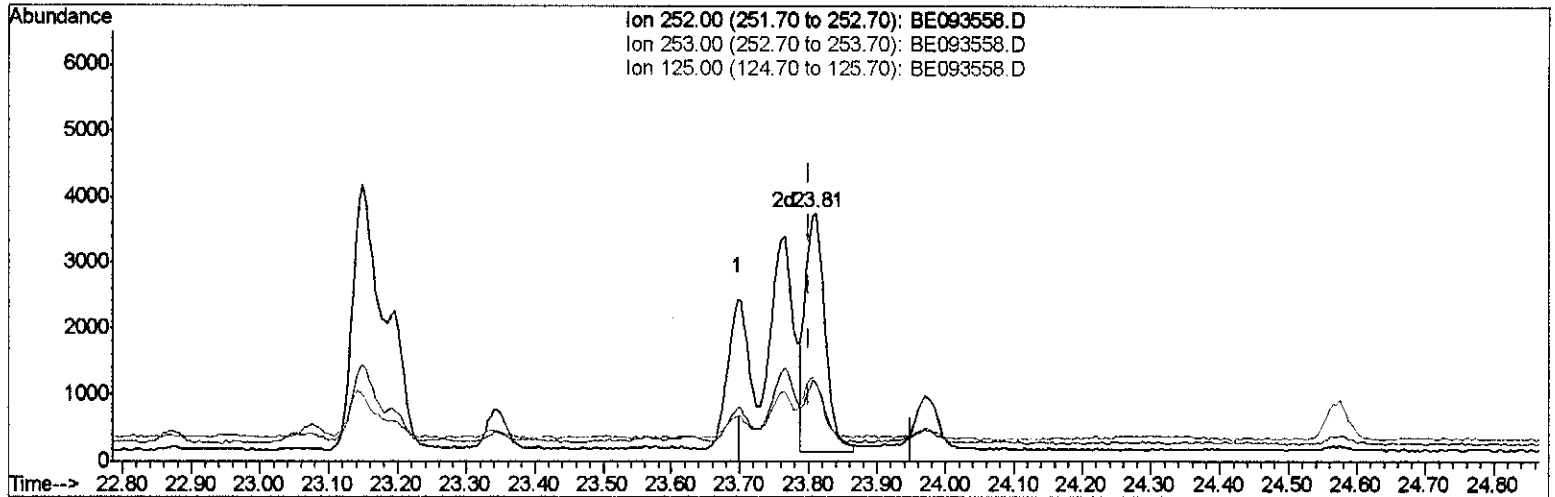
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093558.D
 Acq On : 25 Jul 2017 3:18
 Operator : SJ/JU
 Sample : I4209-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B12

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:37:35 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: BE093558.D

(23) Benzo(a)pyrene (C)

23.810min (+0.010) 0.09ng/ul m

response 7089

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	31.12
125.00	22.60	31.65#
0.00	0.00	0.00

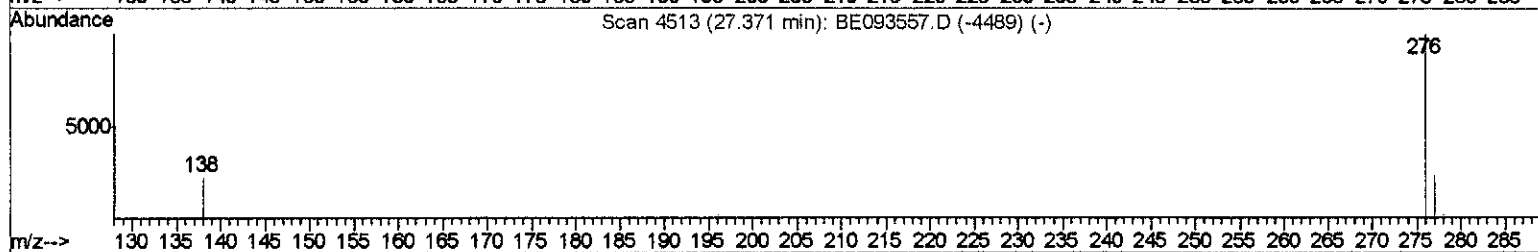
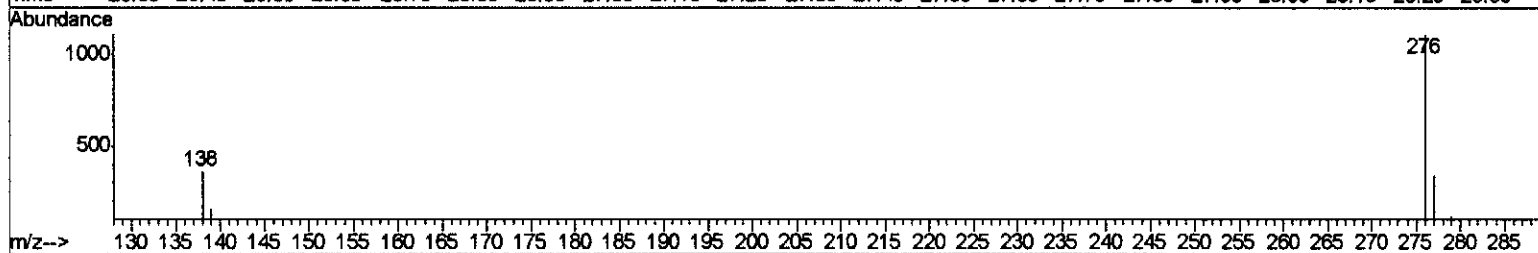
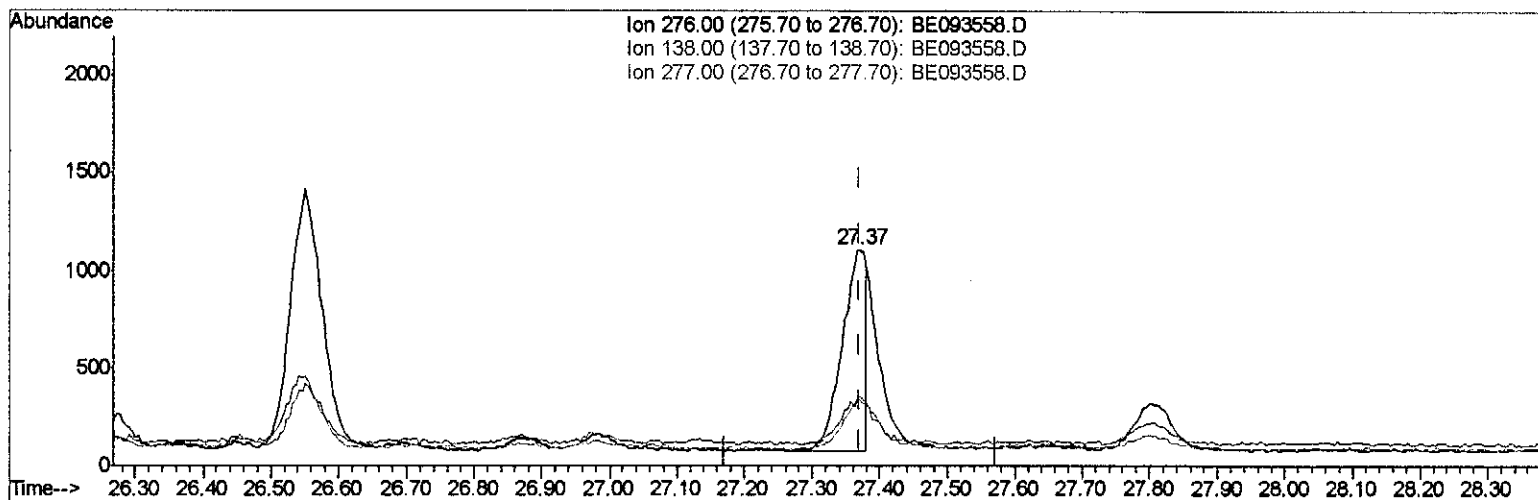
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093558.D
Acq On : 25 Jul 2017 3:18
Operator : SJ/JU
Sample : I4209-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B12

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:37:35 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: BE093558.D

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

27.371min (-0.001) 0.04ng/ui

response 2564

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	32.31
277.00	25.60	30.60
0.00	0.00	0.00

Quantitation Report (Qedit)

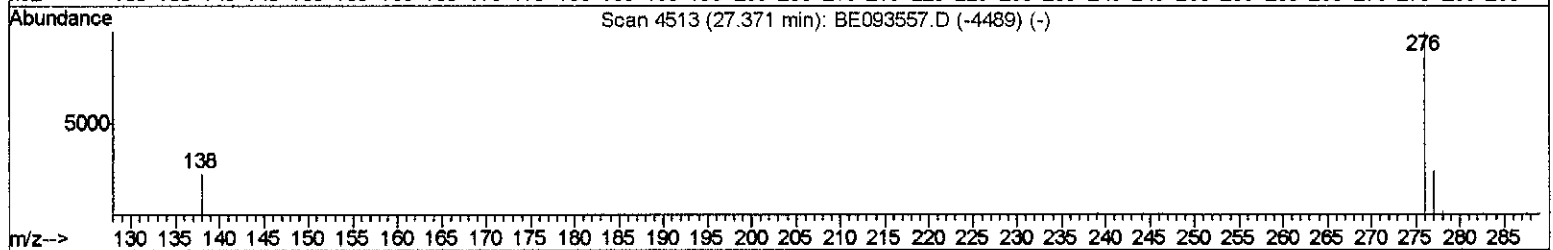
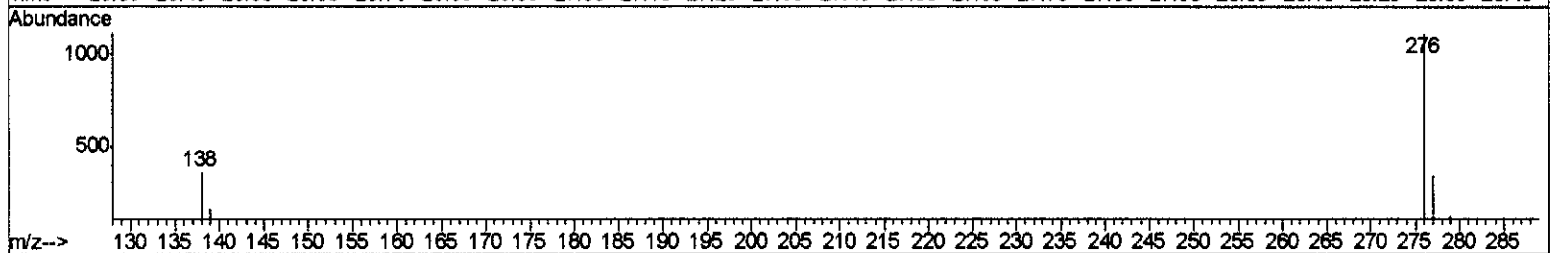
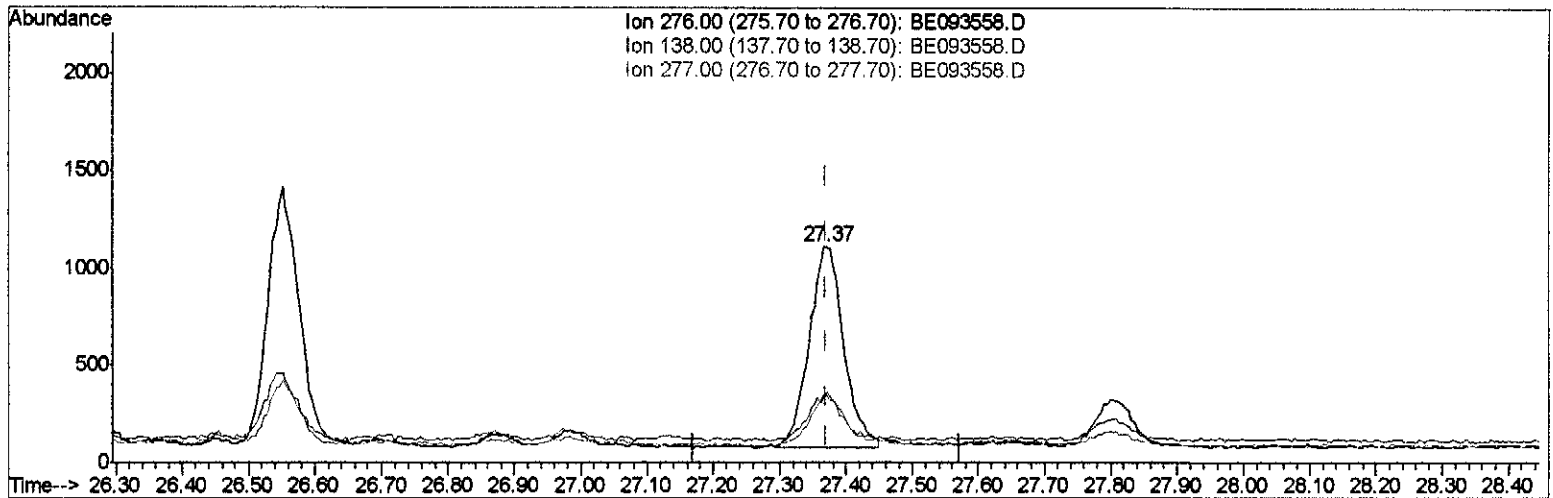
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093558.D
 Acq On : 25 Jul 2017 3:18
 Operator : SJ/JU
 Sample : I4209-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B12

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:37:35 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: BE093558.D

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

27.371min (-0.001) 0.05ng/ul m

response 3740

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	32.31
277.00	25.60	30.60
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093558.D
 Acq On : 25 Jul 2017 3:18
 Operator : SJ/JU
 Sample : I4209-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B12

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:54 PM

Quant Time: Jul 25 11:39:10 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	3236	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	17418	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	11805	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	29288m	0.40	ng/ul	> 0.00
16) Chrysene-d12	21.41	240	32592	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	26293m	0.40	ng/ul	> 0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	7314	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	25636	0.28	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	1985	0.047	ng/ul#	93
12) Phenanthrene	17.29	178	3074	0.039	ng/ul#	89
15) Fluoranthene	19.30	202	5903	0.059	ng/ul	85
17) Pyrene	19.67	202	7173m	0.075	ng/ul	> 85
18) Benzo(a)anthracene	21.39	228	5125	0.054	ng/ul#	89
19) Chrysene	21.45	228	7230	0.080	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	9680	0.119	ng/ul	92
22) Benzo(k)fluoranthene	23.20	252	3357m	0.042	ng/ul	> 85
23) Benzo(a)pyrene	23.81	252	7089m	0.092	ng/ul	> 85
26) Benzo(g,h,i)perylene	27.37	276	3740m	0.052	ng/ul	> 85

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