

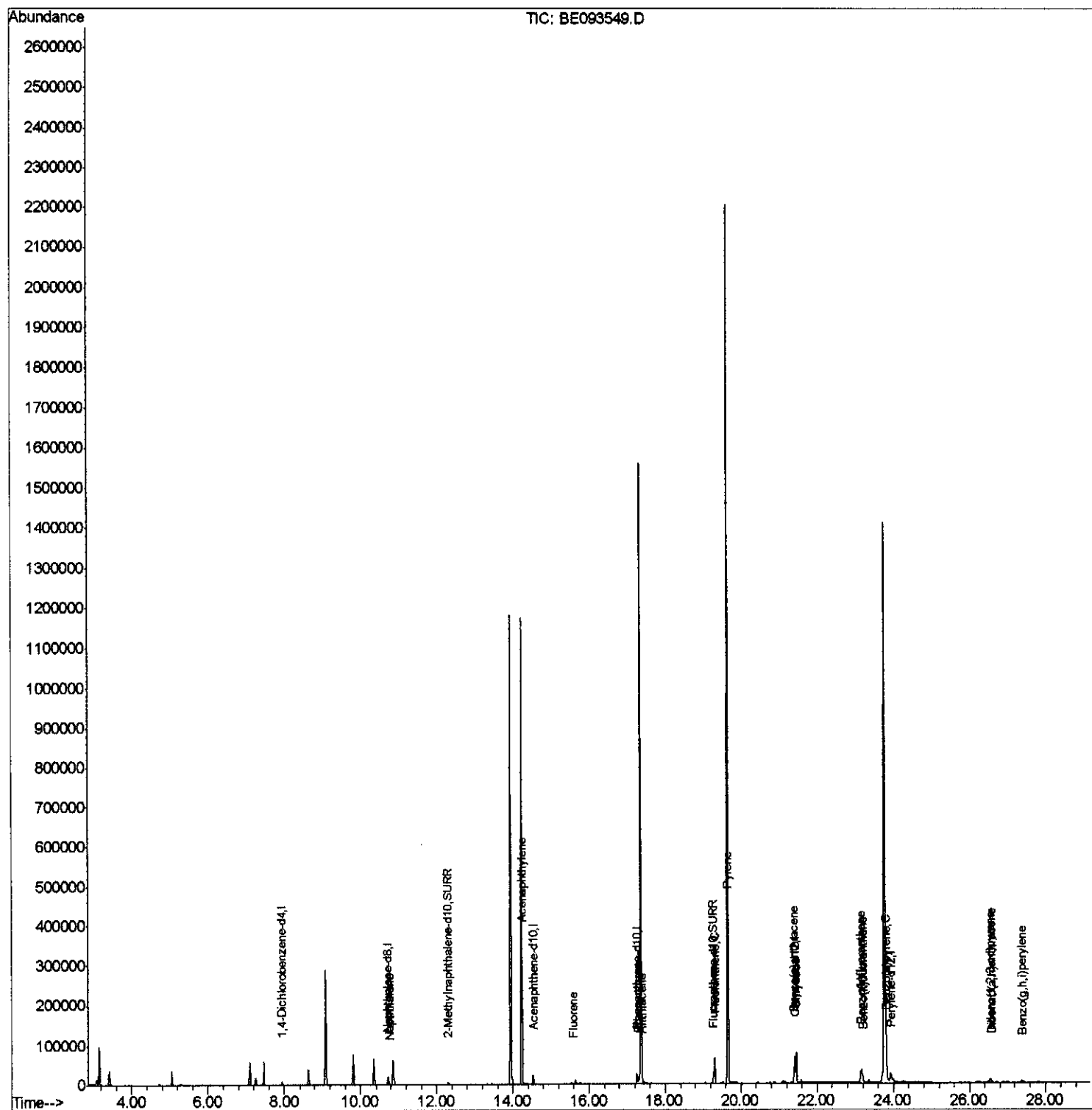
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:23:40 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



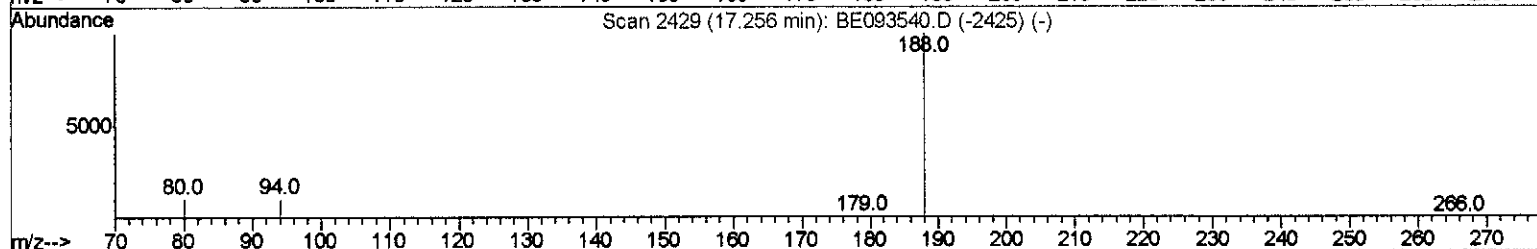
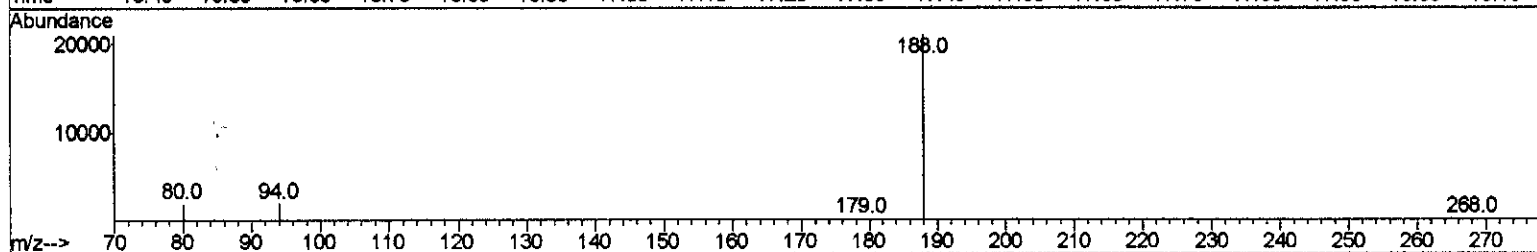
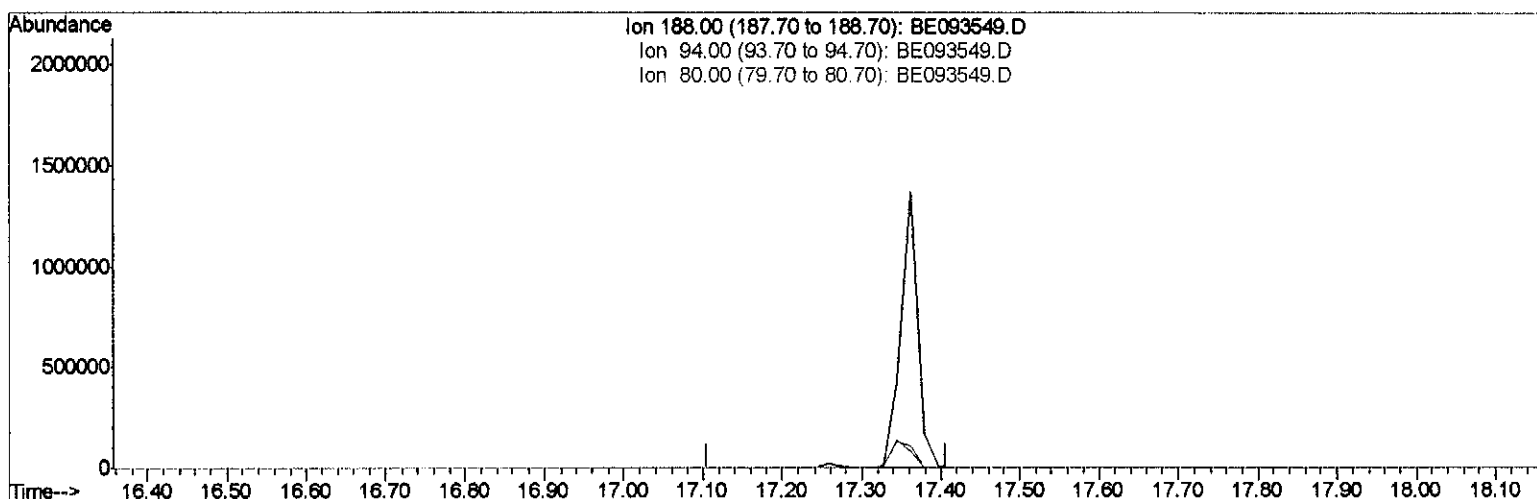
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 01:24:29 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: BE093549.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

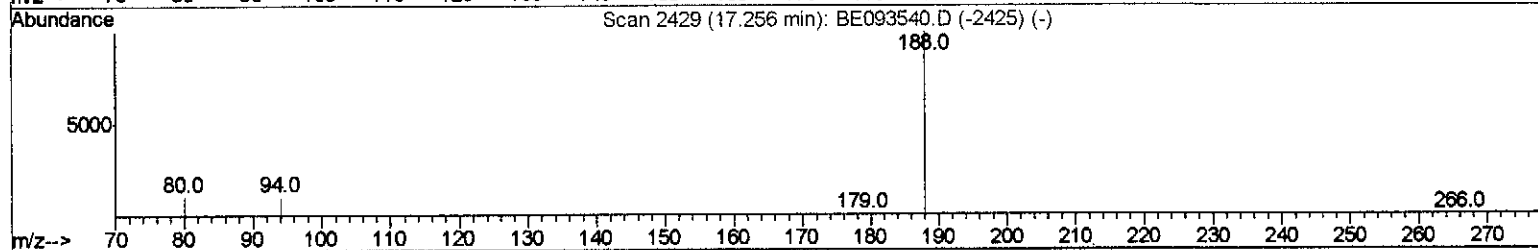
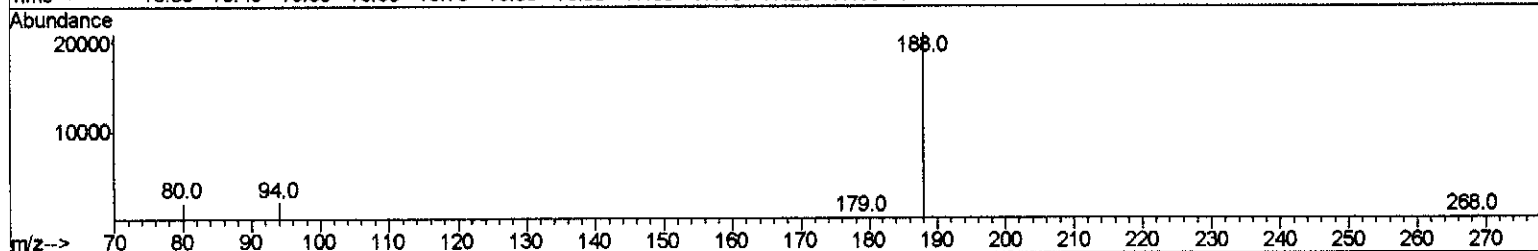
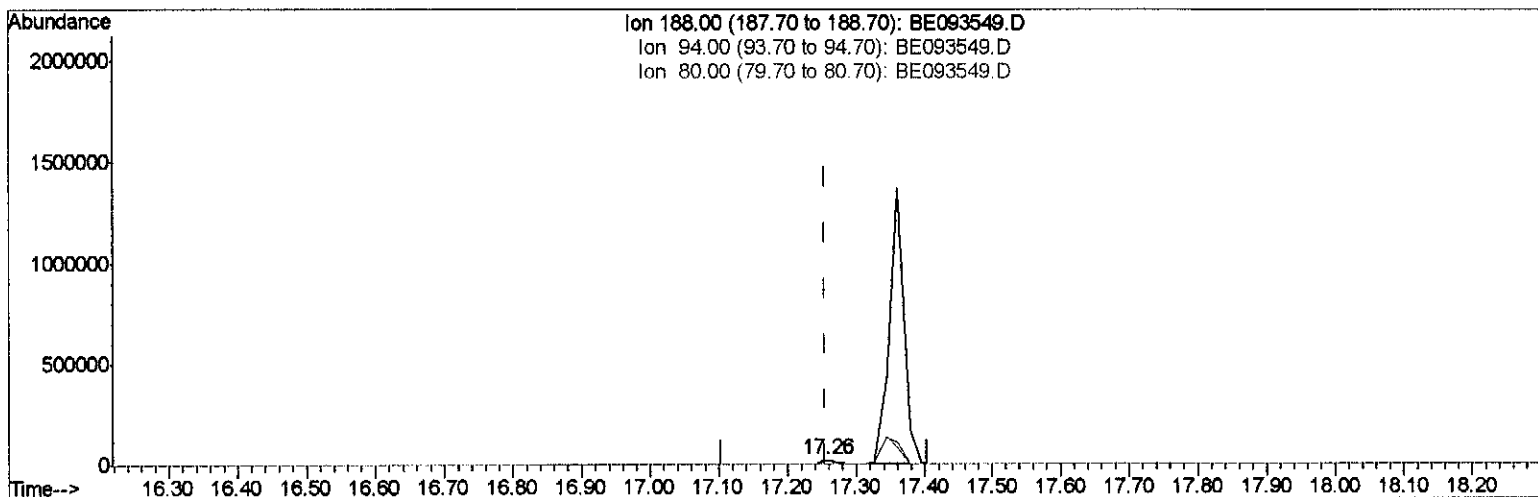
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 01:24:29 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
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TIC: BE093549.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

response 30586

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.91
80.00	11.80	8.71#
0.00	0.00	0.00

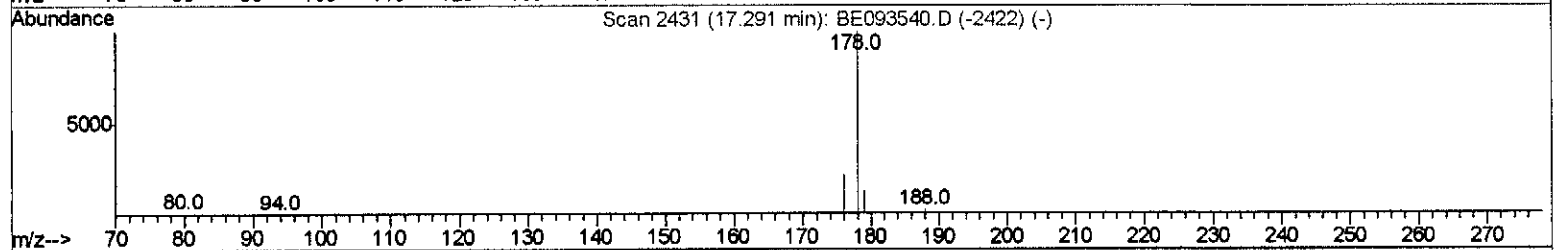
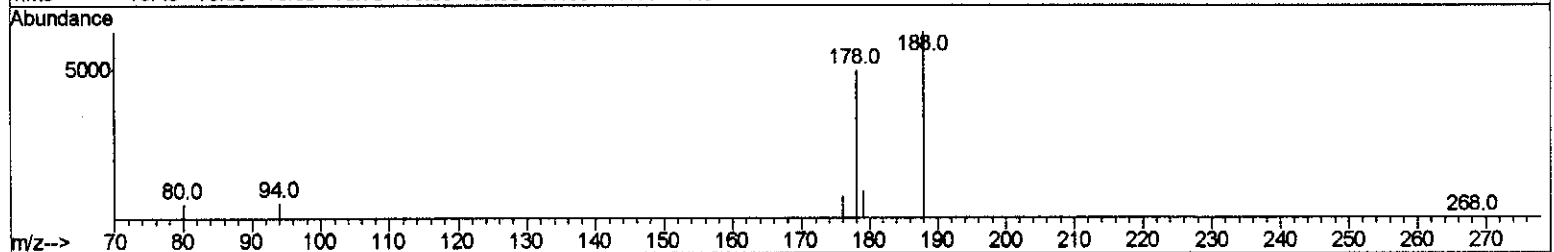
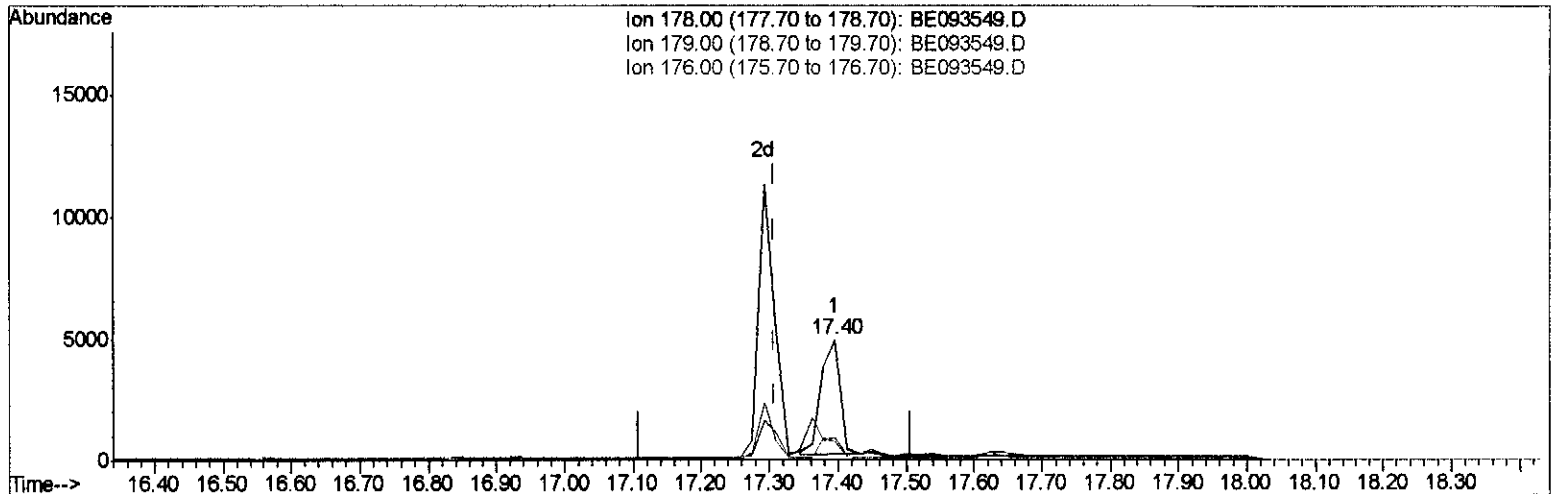
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:12:44 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: BE093549.D

(12) Phenanthrene

17.396min (+0.088) 0.11ng/ui

response 9471

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	19.23
176.00	17.00	16.12
0.00	0.00	0.00

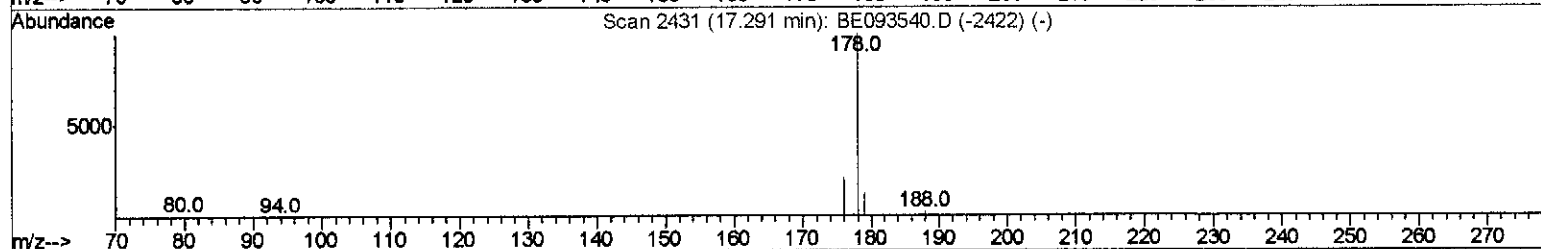
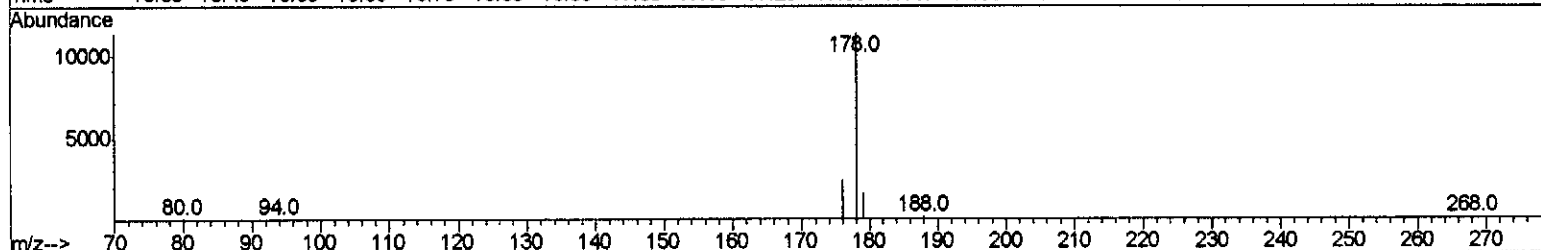
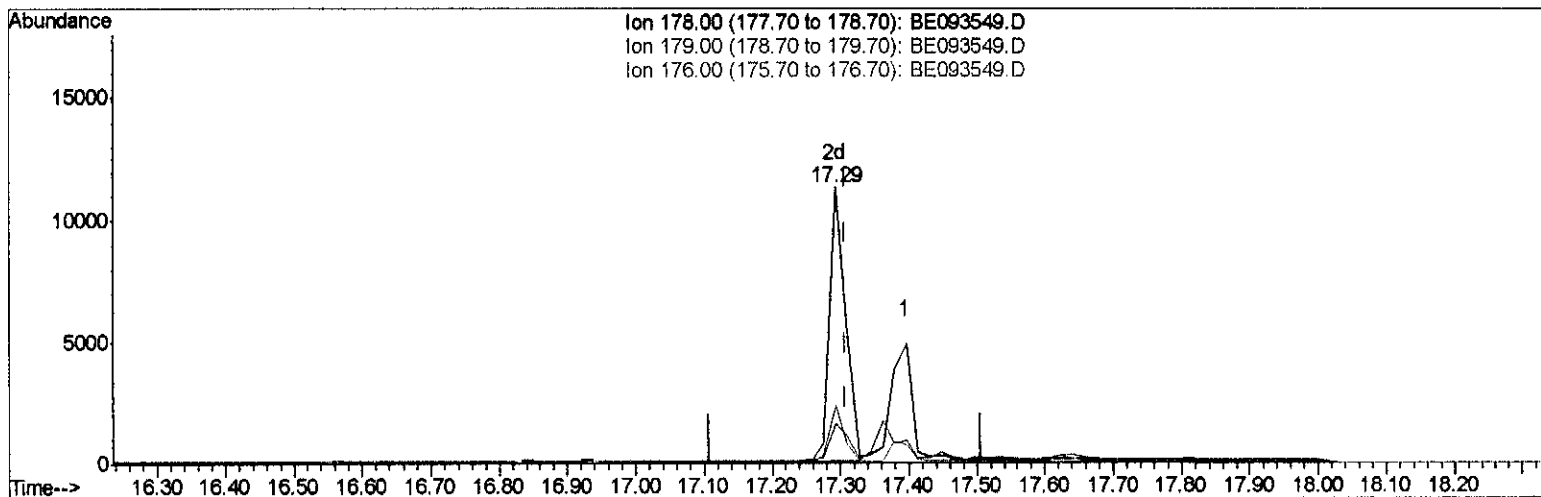
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:12:44 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: BE093549.D

(12) Phenanthrene

17.292min (-0.016) 0.22ng/ul m

response 18479

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	14.44#
176.00	17.00	20.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

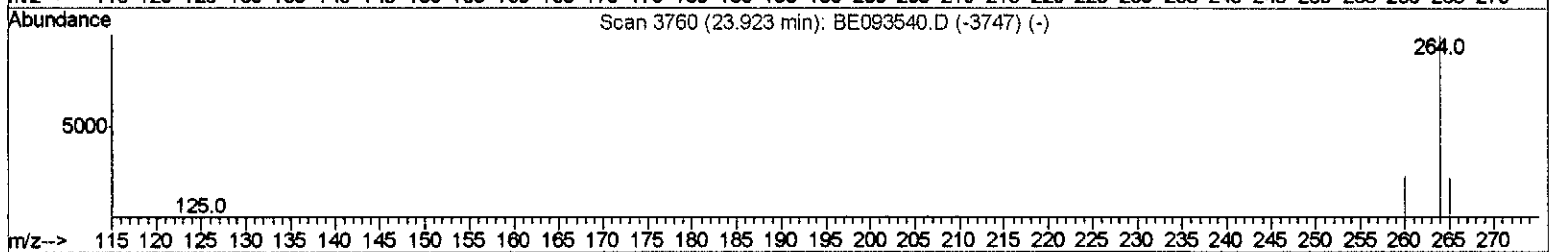
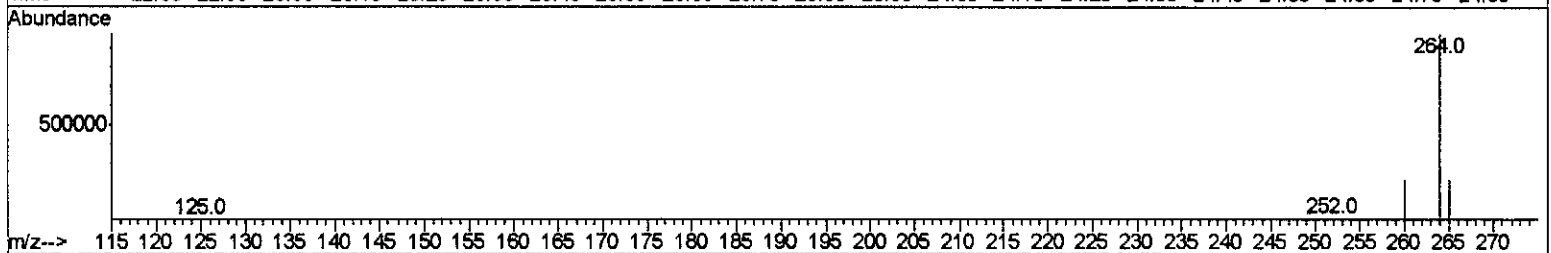
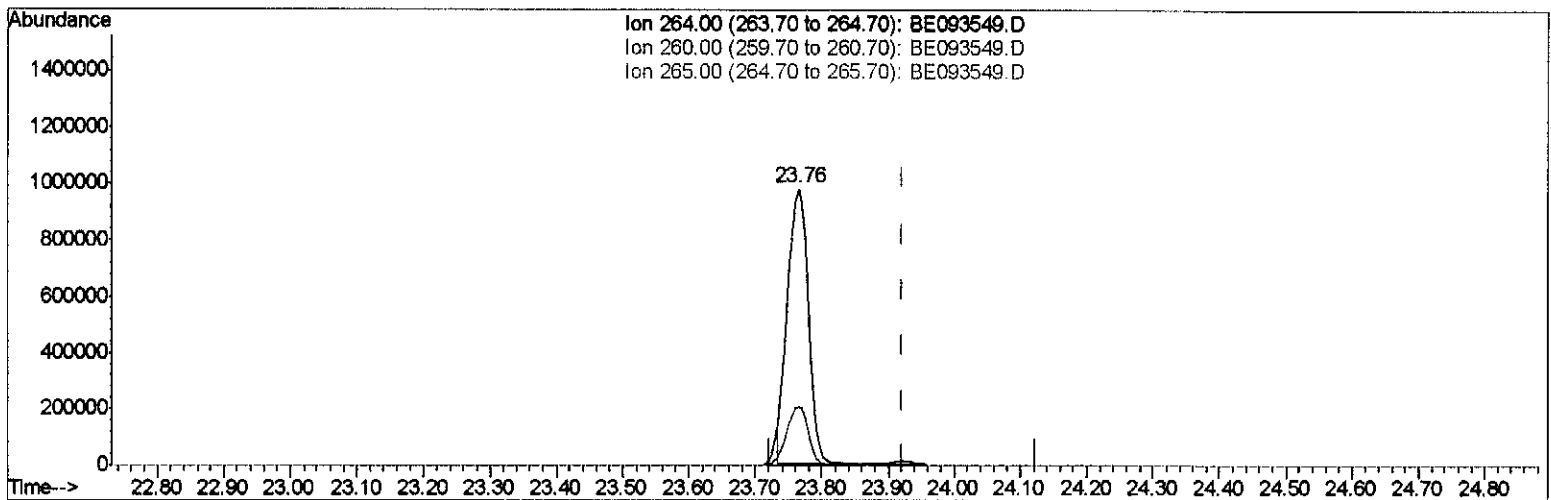
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:12:44 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: BE093549.D

(20) Perylene-d12 (I)

23.765min (-0.159) 0.40ng/ul

response 2127974

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.25#
265.00	103.50	21.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

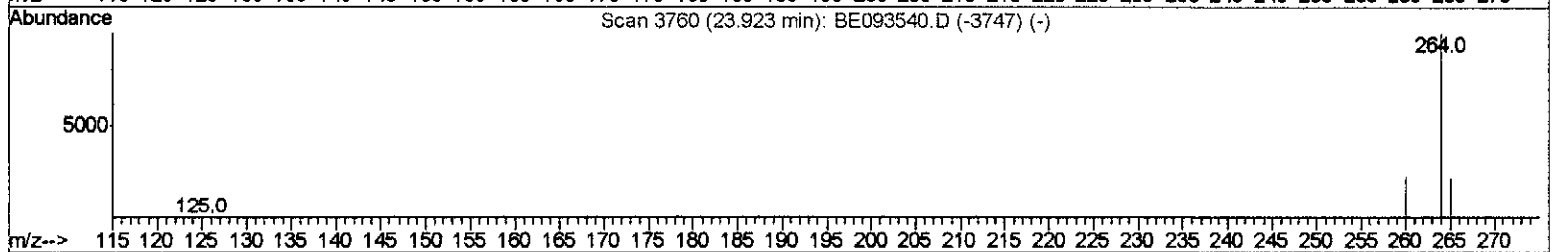
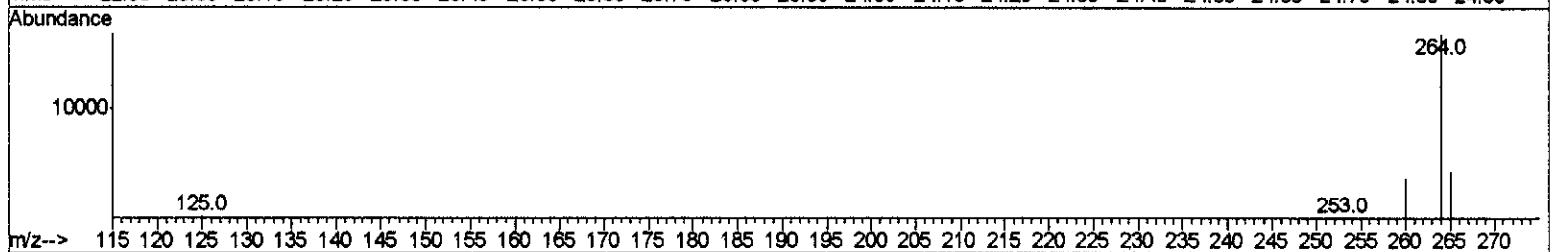
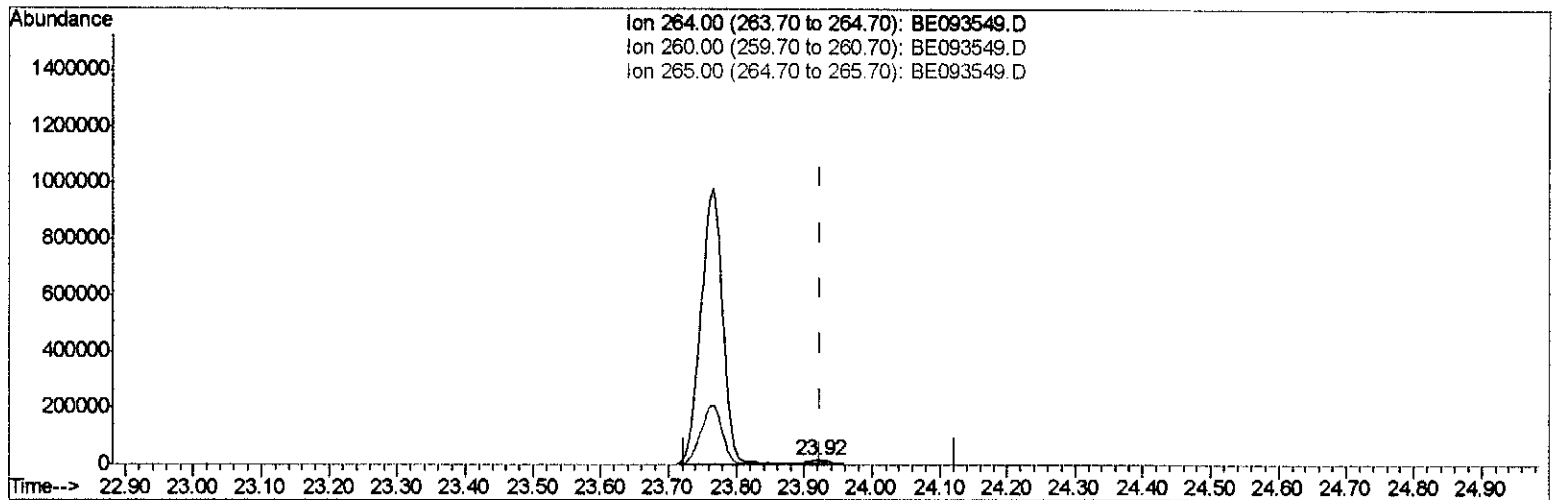
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:12:44 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: BE093549.D

(20) Perylene-d12 (I)

23.920min (-0.004) 0.40ng/ul m

response 30829

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	23.85#
265.00	103.50	27.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

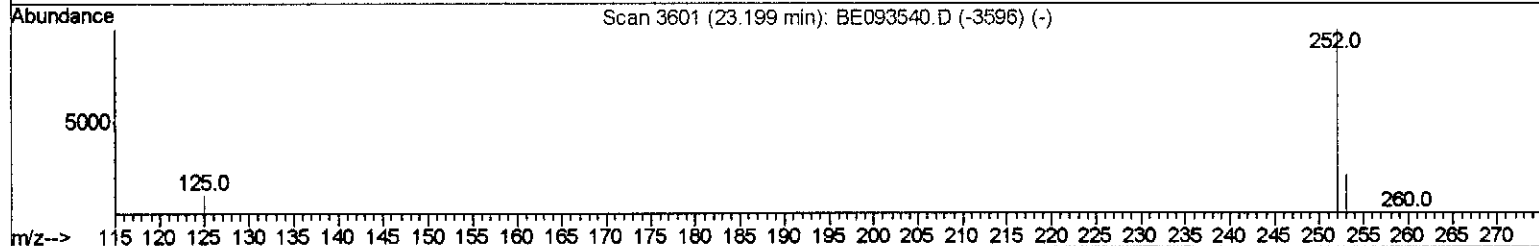
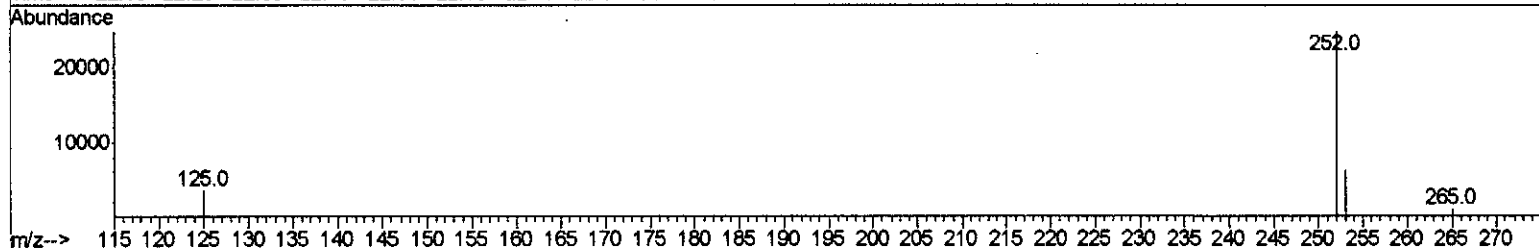
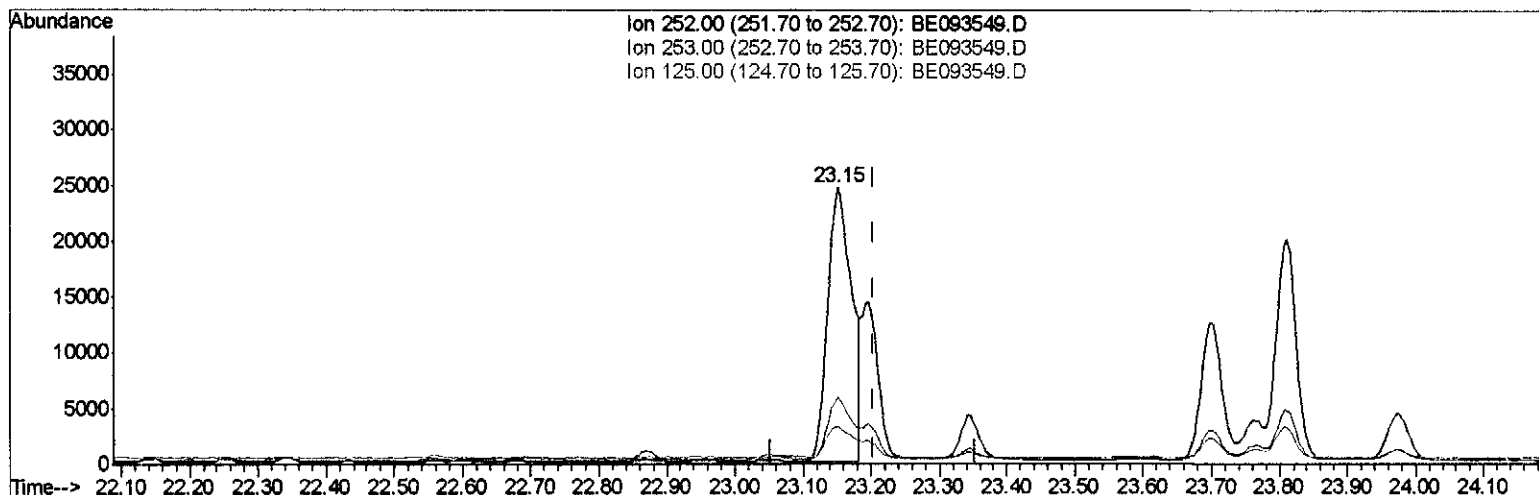
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 18:07:15 2017
 Response via : Initial Calibration



TIC: BE093549.D

(22) Benzo(k)fluoranthene
 23.150min (-0.054) 0.66ng/ul
 response 62064

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.35#
125.00	17.10	14.17
0.00	0.00	0.00

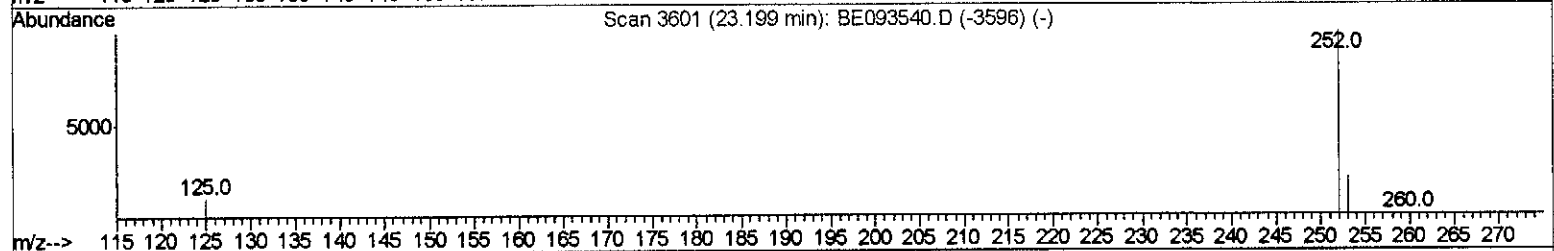
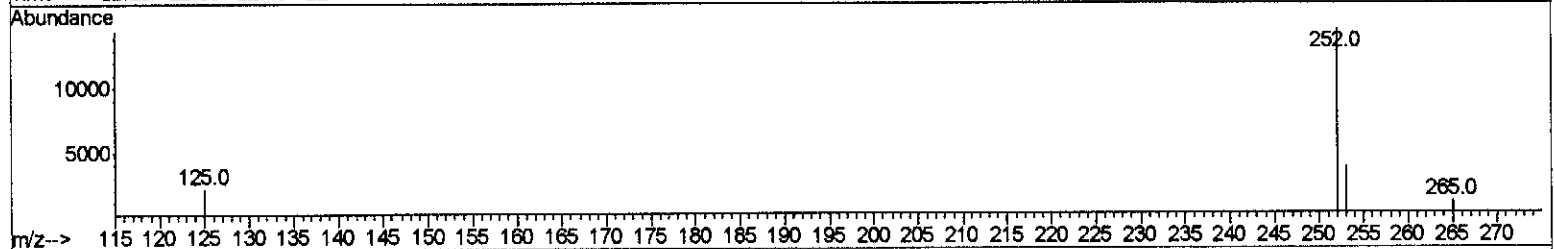
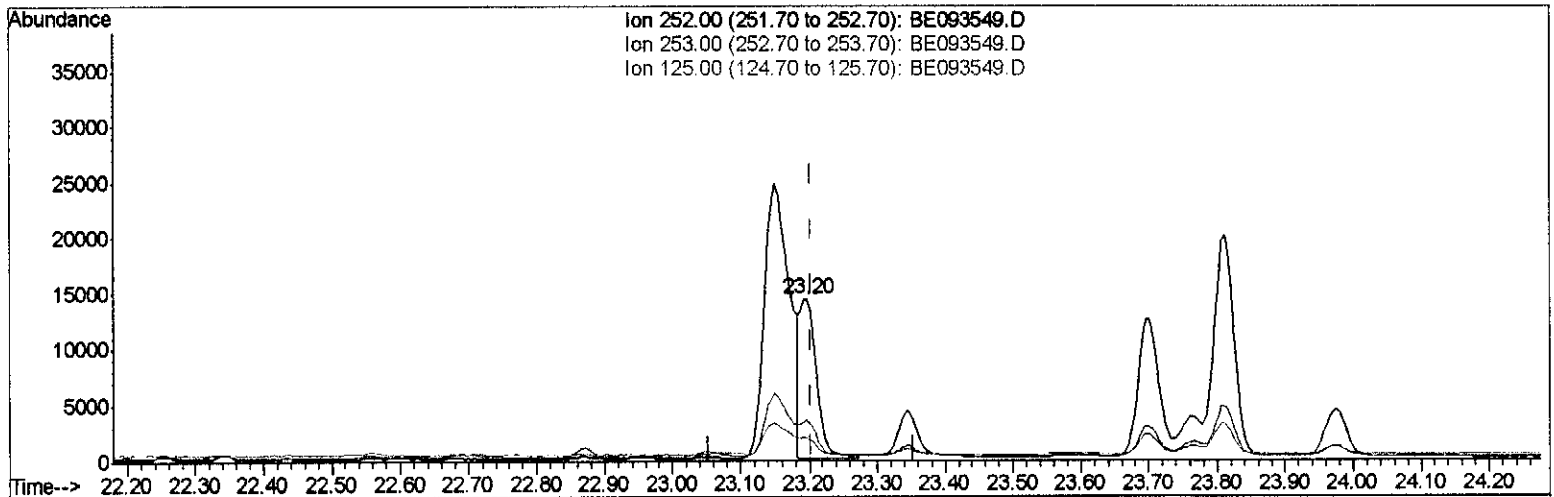
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093549.D

(22) Benzo(k)fluoranthene

23.196min (-0.008) 0.26ng/ui m

response 24496

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.46
125.00	17.10	14.52
0.00	0.00	0.00

Quantitation Report (Qedit)

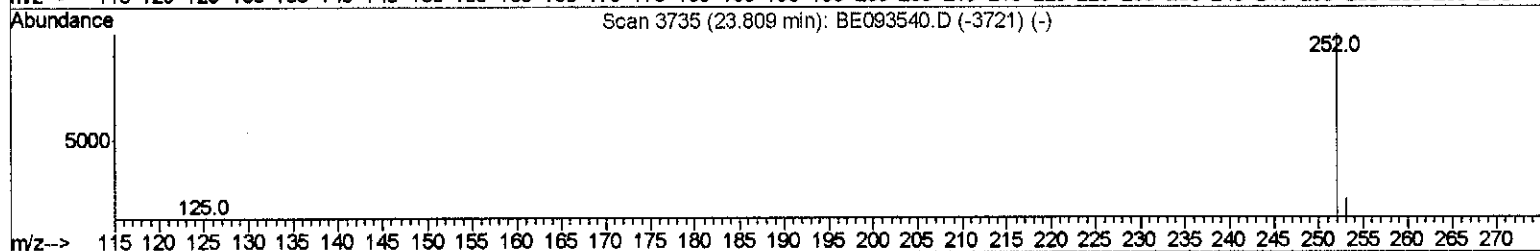
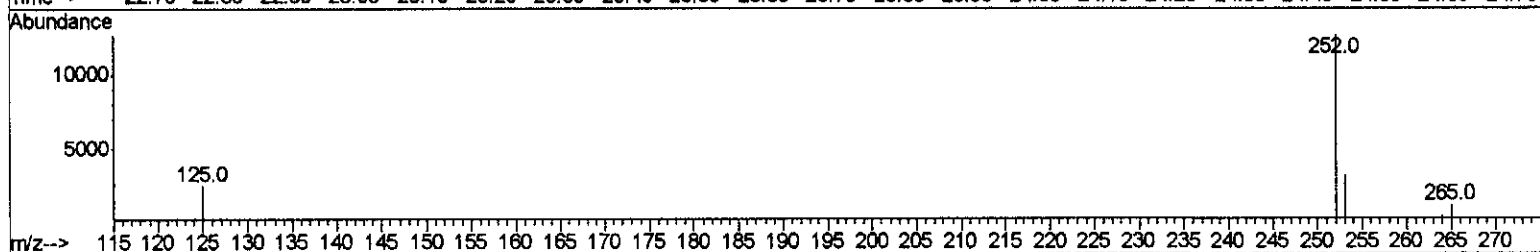
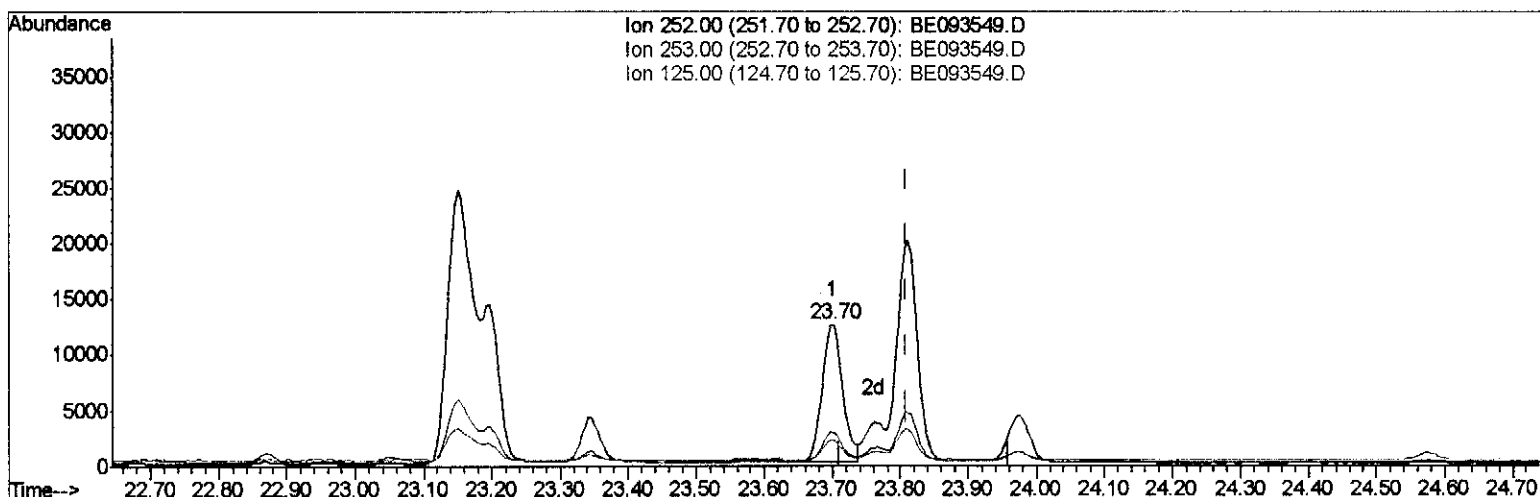
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093549.D

(23) Benzo(a)pyrene (C)
23.701min (-0.108) 0.30ng/ui
response 26850
Ion Exp% Act%
252.00 100 100
253.00 35.60 24.19#
125.00 22.60 18.88
0.00 0.00 0.00

Quantitation Report (Qedit)

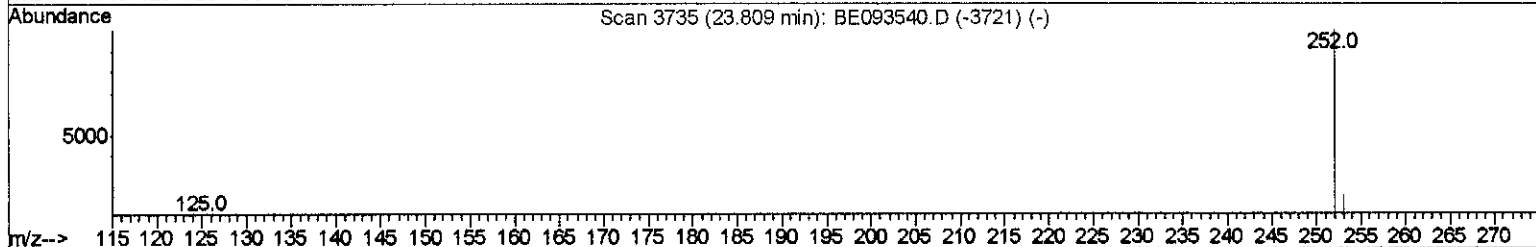
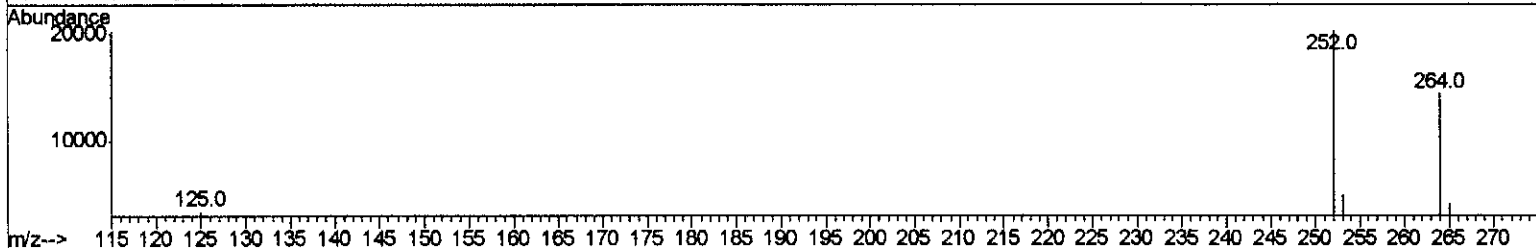
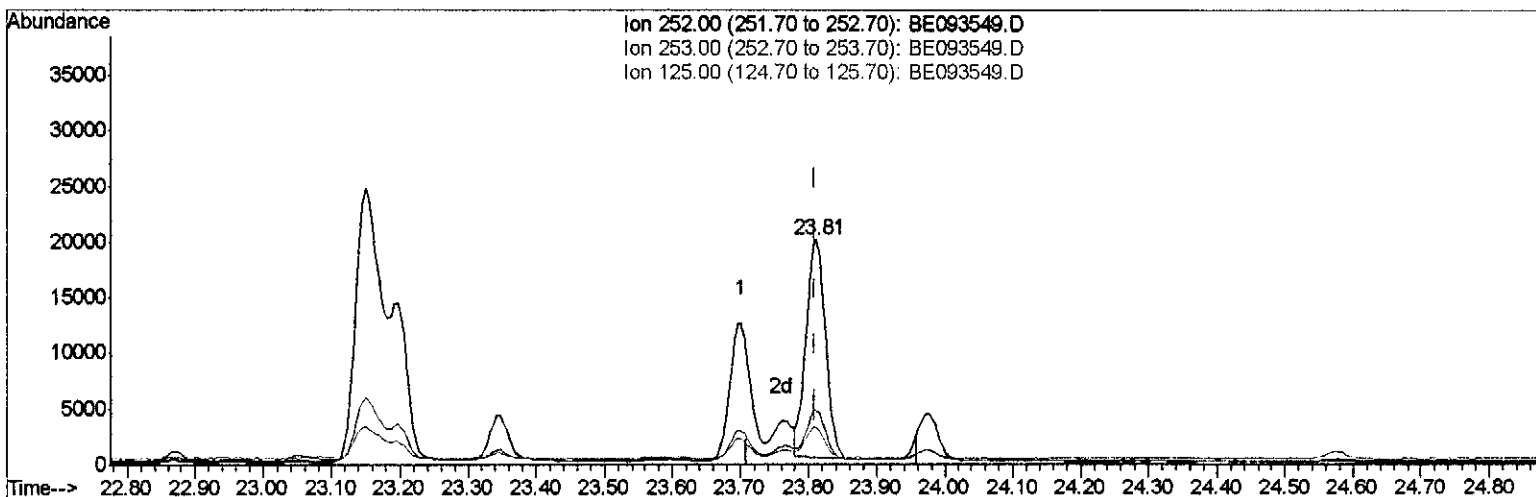
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 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: BE093549.D

(23) Benzo(a)pyrene (C)

23.810min (+0.001) 0.43ng/ul m

response 38947

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.27#
125.00	22.60	16.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

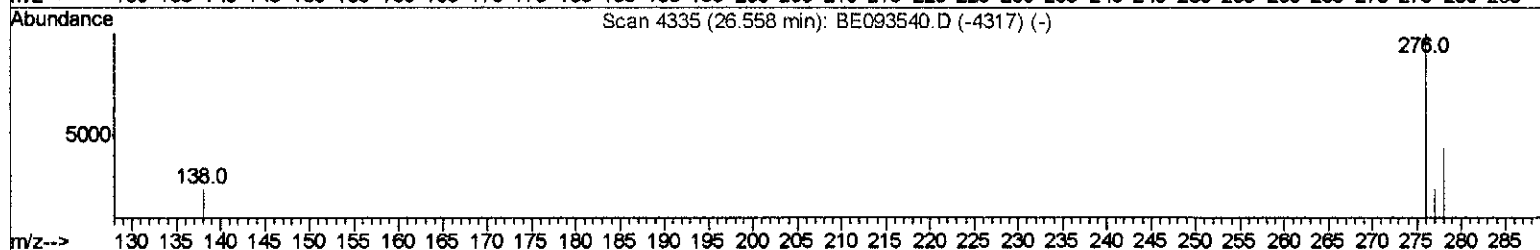
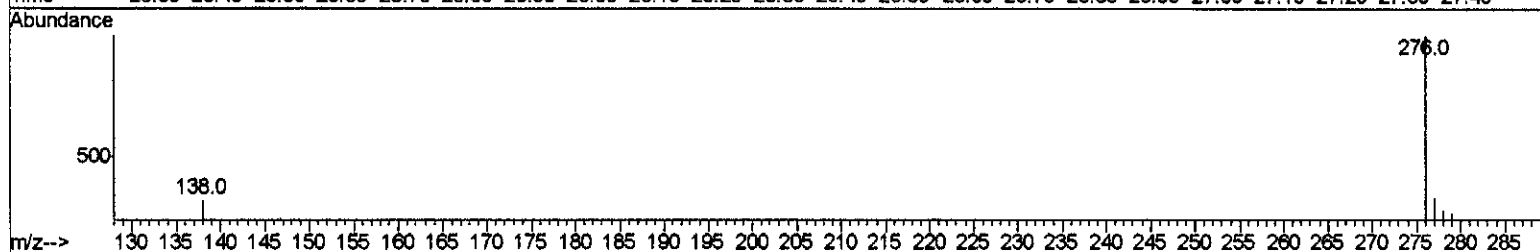
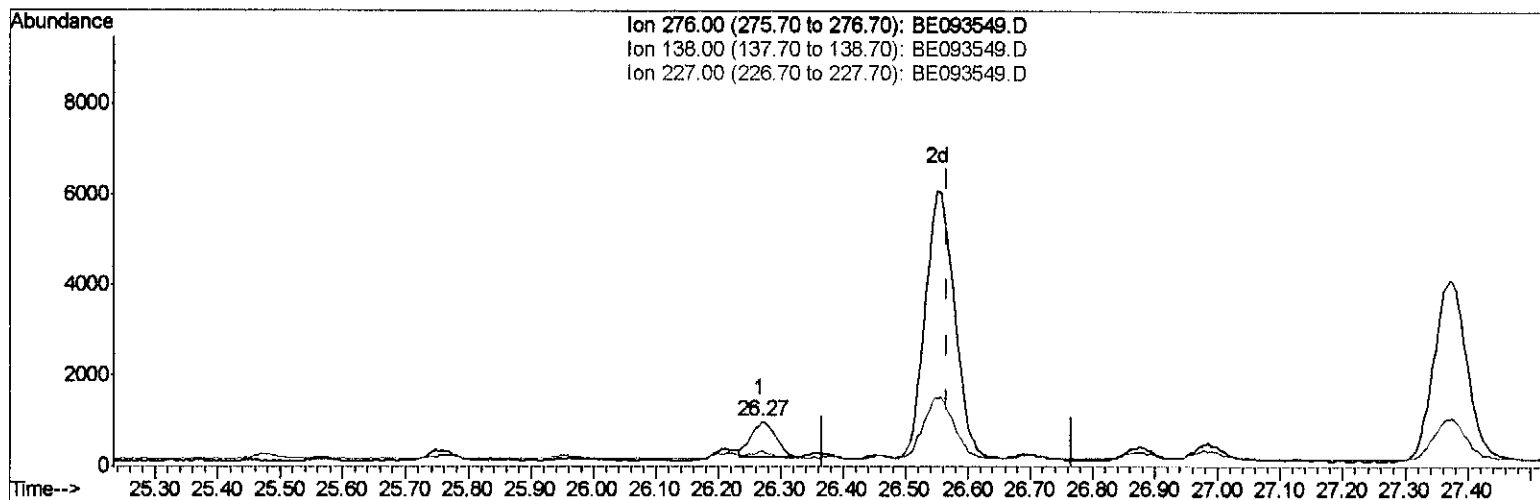
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093549.D

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

26.268min (-0.300) 0.02ng/ul

response 2075

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	17.98#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

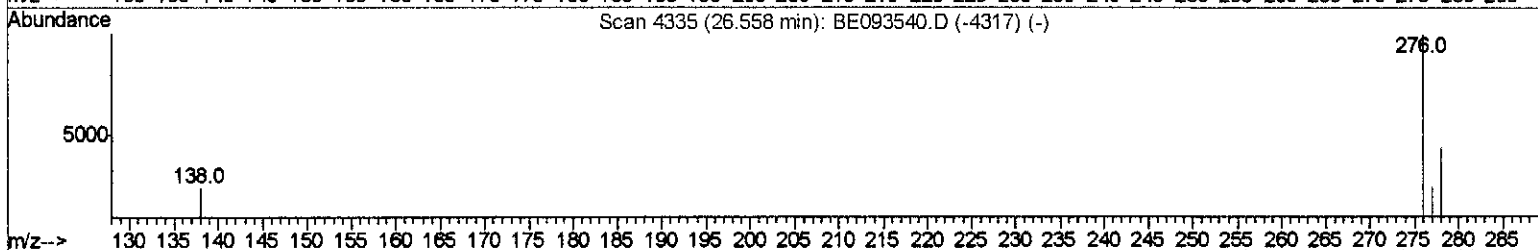
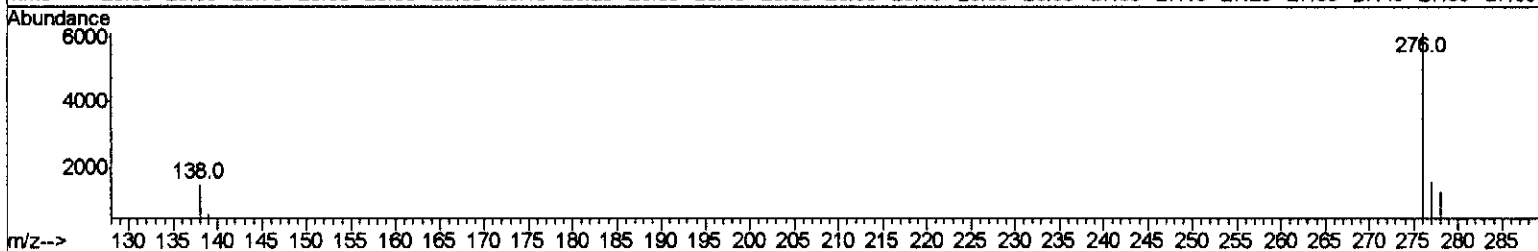
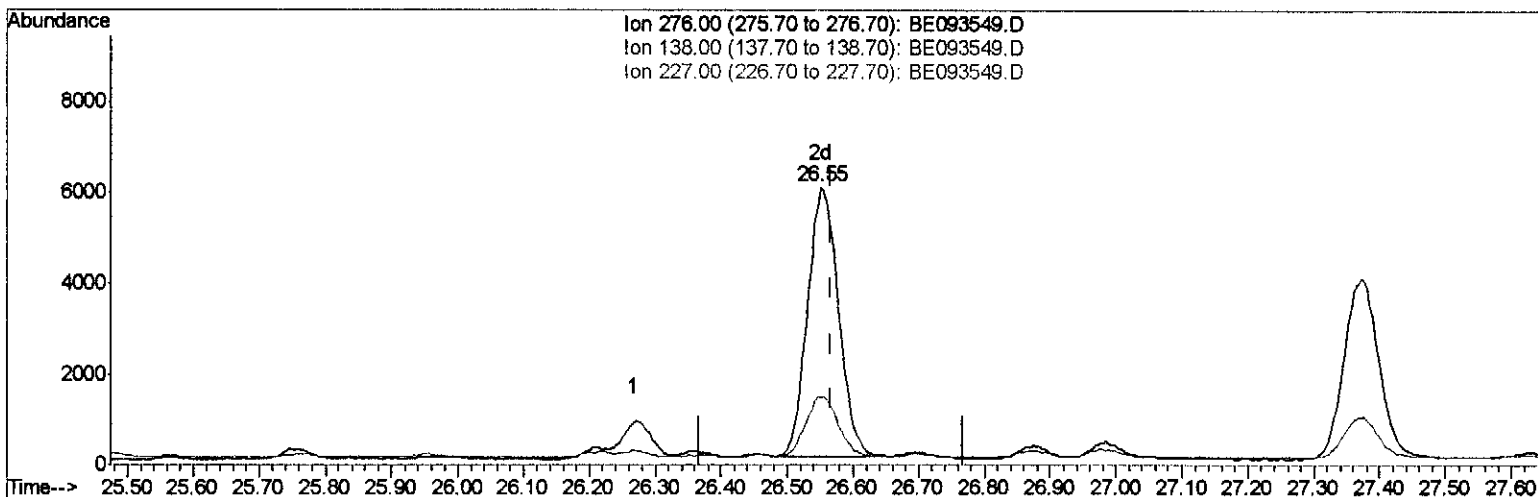
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 18:07:15 2017
 Response via : Initial Calibration



TIC: BE093549.D

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

26.551min (-0.017) 0.19ng/ul m

response 19348

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.93#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

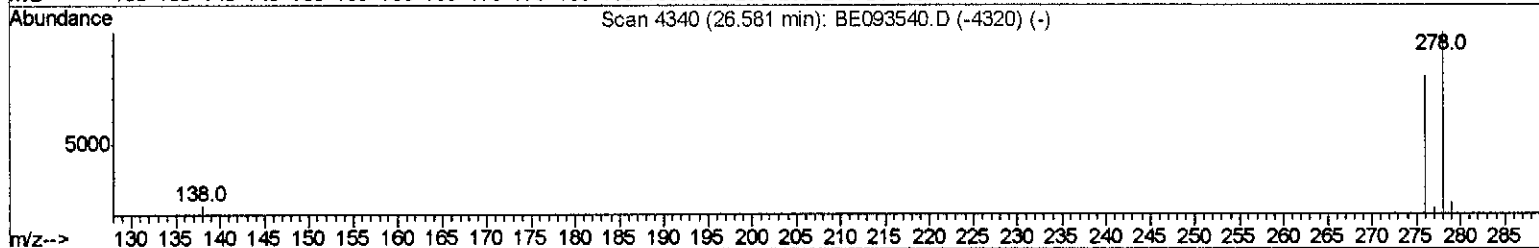
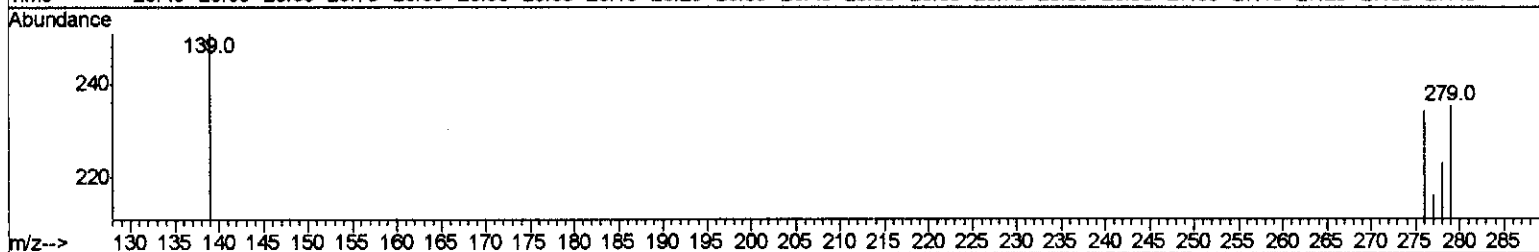
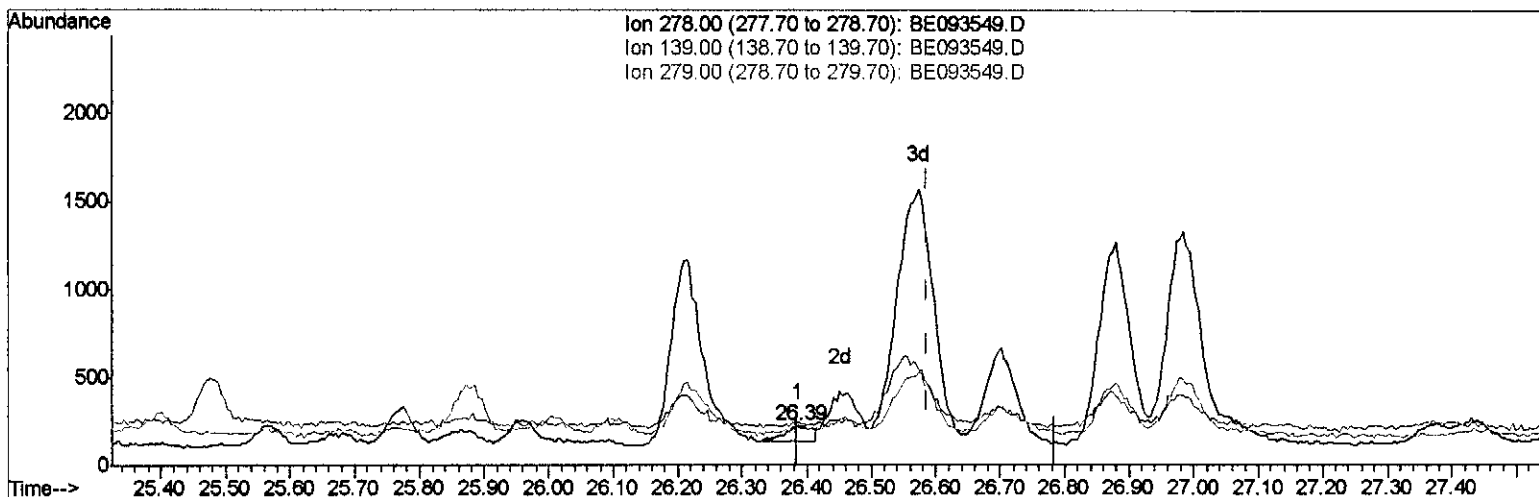
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093549.D

(25) Dibenzo(a,h)anthracene

26.387min (-0.199) 0.00ng/ul

response 282

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	112.56#
279.00	32.40	105.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

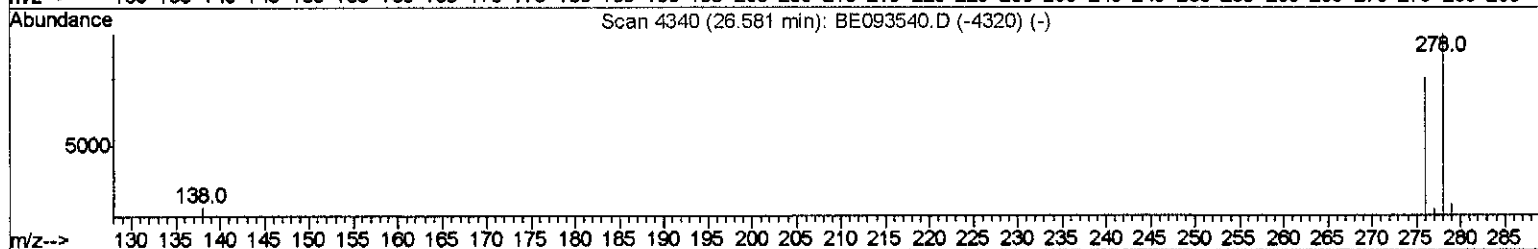
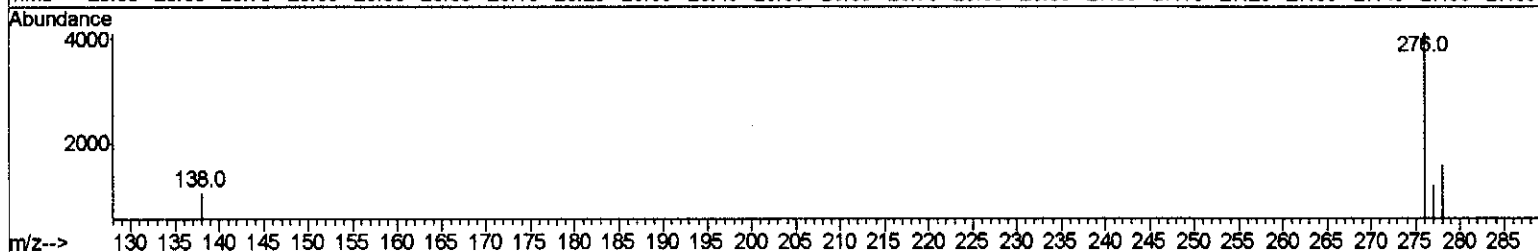
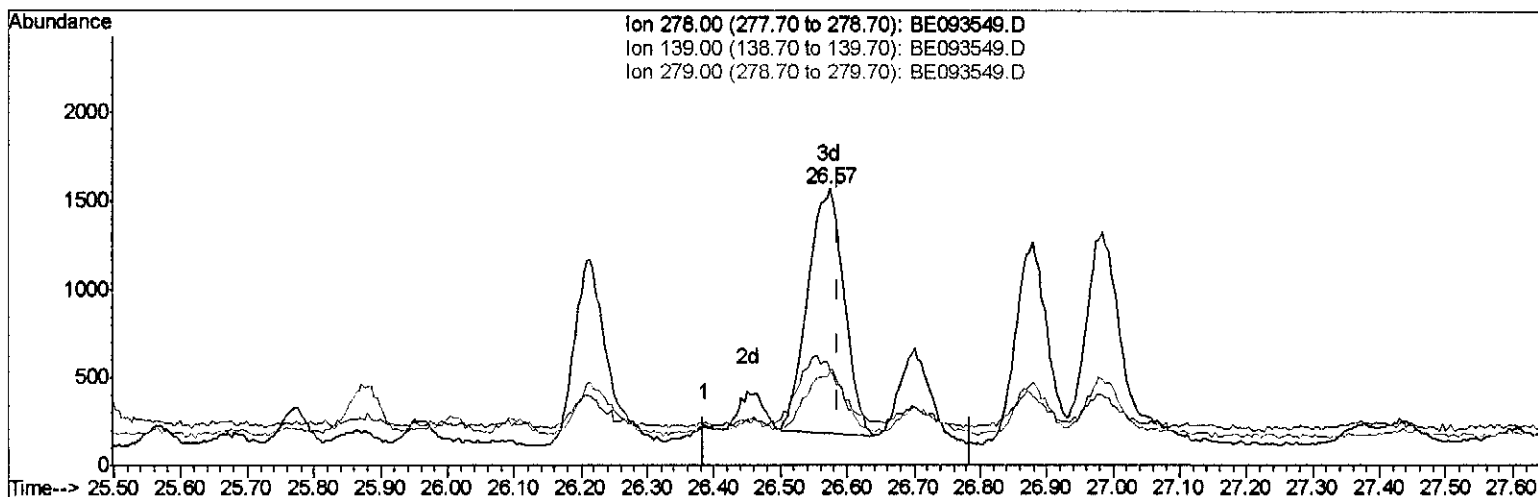
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093549.D

(25) Dibenzo(a,h)anthracene

26.573min (-0.012) 0.06ng/ul m

response 5266

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	34.41#
279.00	32.40	34.10
0.00	0.00	0.00

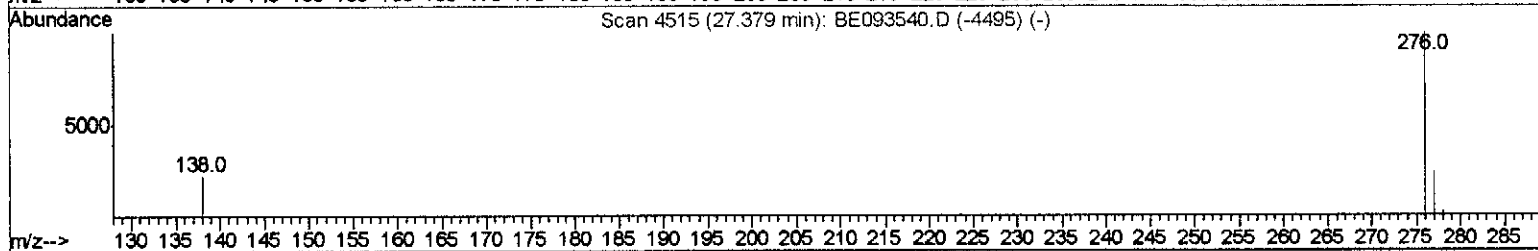
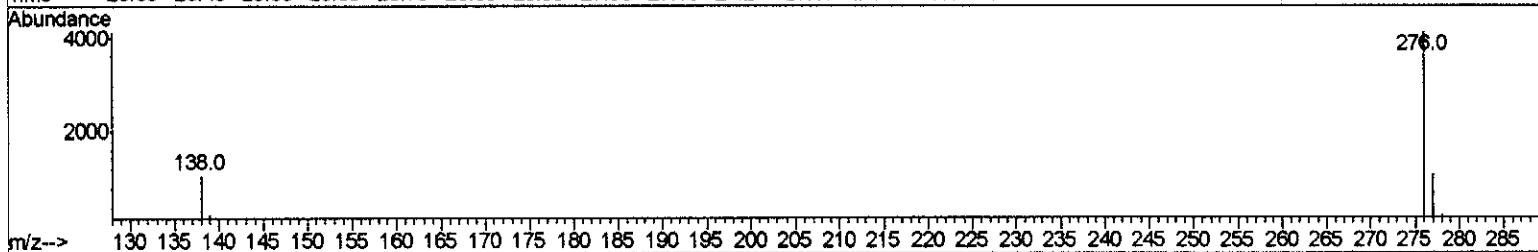
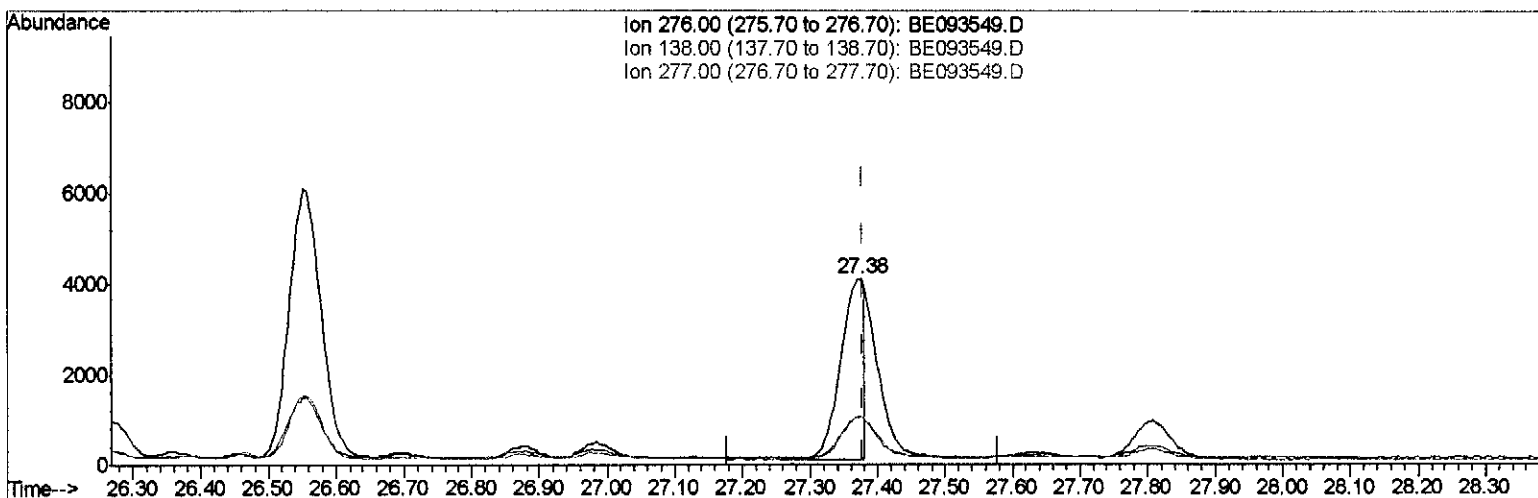
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleID :
C0B29

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration



TIC: BE093549.D

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

27.375min (-0.003) 0.12ng/ul

response 9768

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.01
277.00	25.60	26.20
0.00	0.00	0.00

Quantitation Report (Qedit)

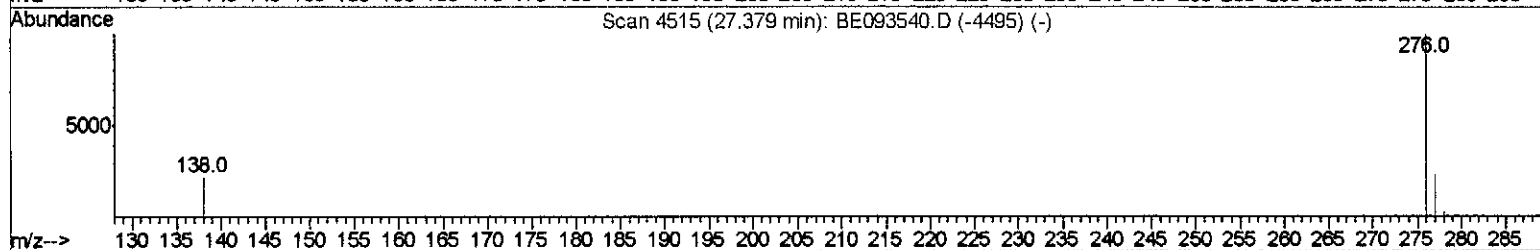
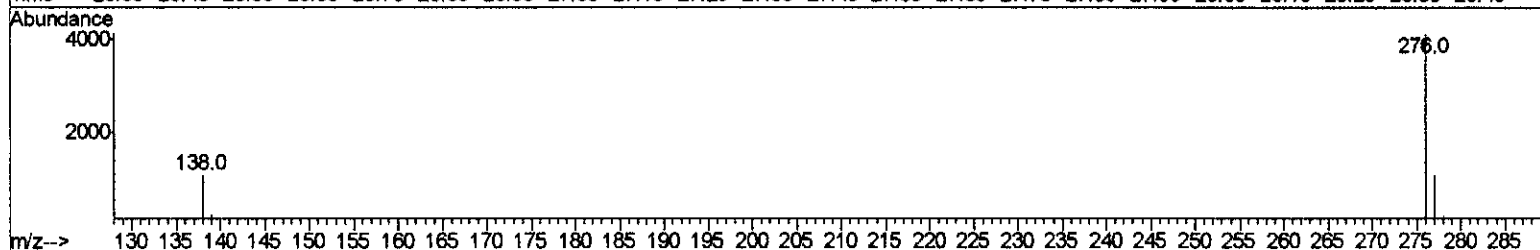
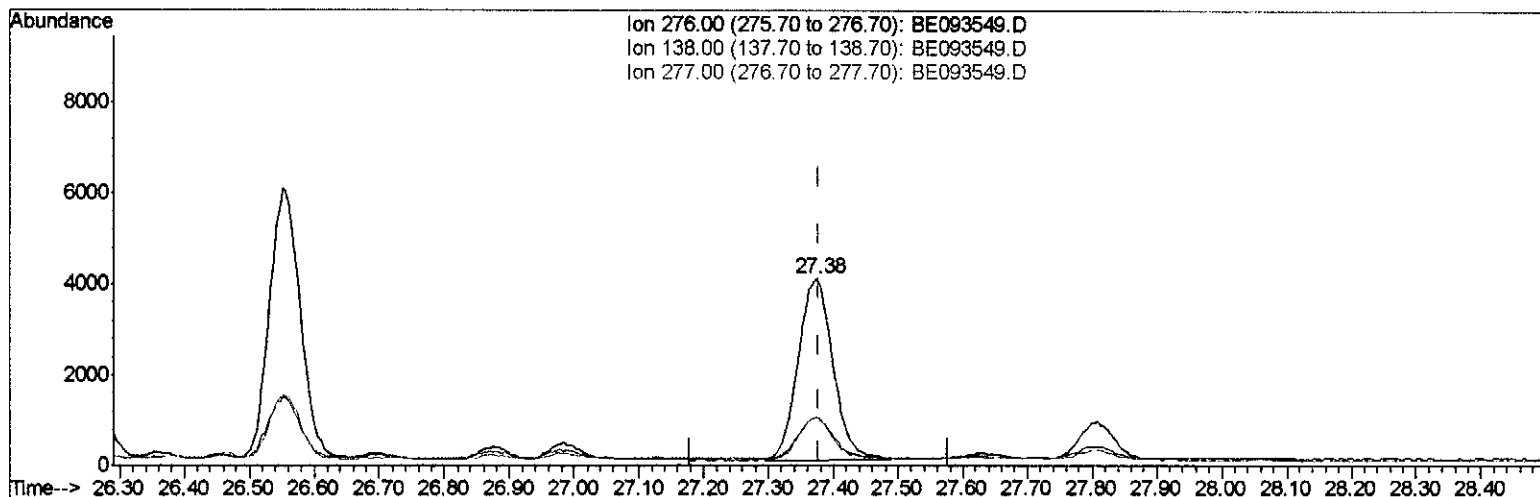
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:17:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 18:07:15 2017
 Response via : Initial Calibration



TIC: BE093549.D

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

27.375min (-0.003) 0.18ng/ul m

response 14955

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.01
277.00	25.60	26.20
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093549.D
 Acq On : 24 Jul 2017 21:47
 Operator : SJ/JU
 Sample : I4213-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:23:40 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	3771	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	20323	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	13284	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	30586m	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	34550	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	30829m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	8761	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	29286	0.30	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.76	128	2309	0.047	ng/ul#	93
7) Acenaphthylene	14.25	152	3019	0.054	ng/ul	97
9) Fluorene	15.57	166	1476	0.027	ng/ul	92
12) Phenanthrene	17.29	178	18479m	0.222	ng/ul	94
13) Anthracene	17.40	178	10161	0.125	ng/ul	94
15) Fluoranthene	19.31	202	73276	0.703	ng/ul	83
17) Pyrene	19.67	202	63060	0.625	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	56658	0.566	ng/ul#	87
19) Chrysene	21.45	228	76574	0.797	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	58557	0.614	ng/ul	88
22) Benzo(k)fluoranthene	23.20	252	24496m	0.260	ng/ul	
23) Benzo(a)pyrene	23.81	252	38947m	0.429	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	19348m	0.193	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	5266m	0.063	ng/ul	
26) Benzo(a,h,i)perylene	27.38	276	14955m	0.177	ng/ul	

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