

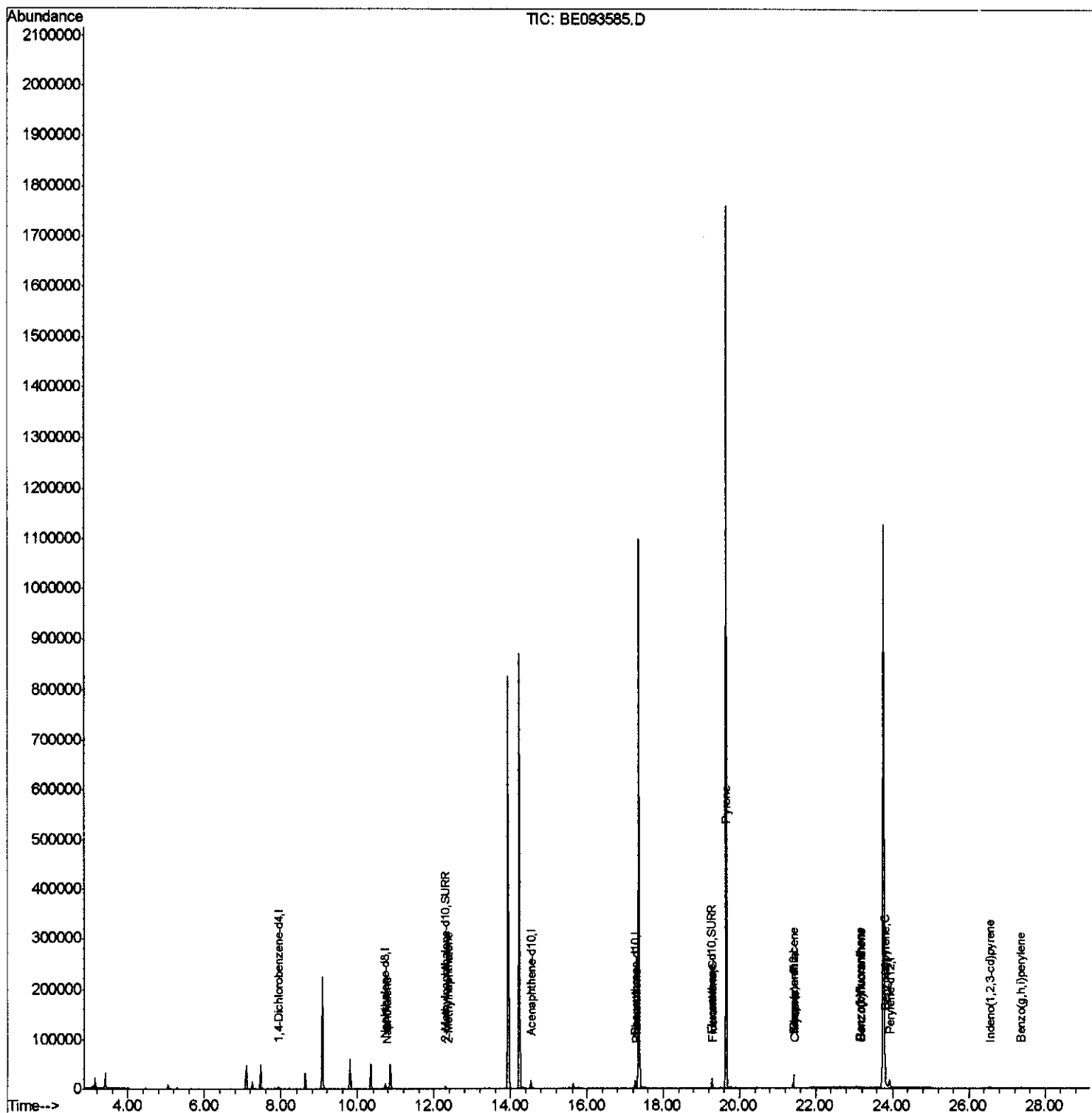
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:11:41 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



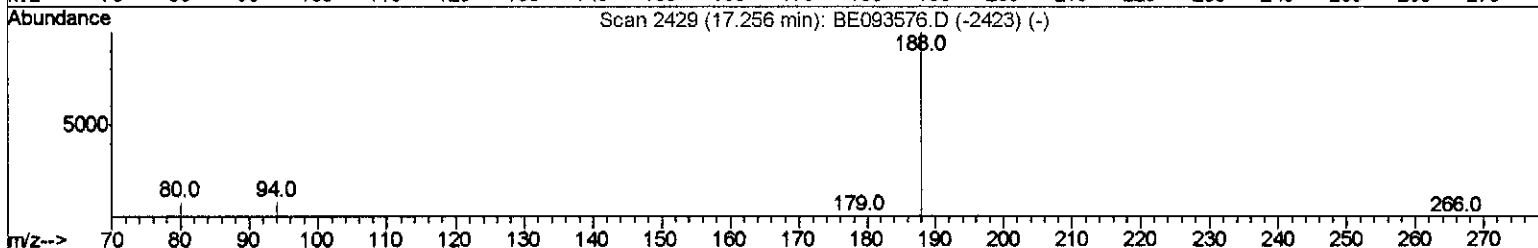
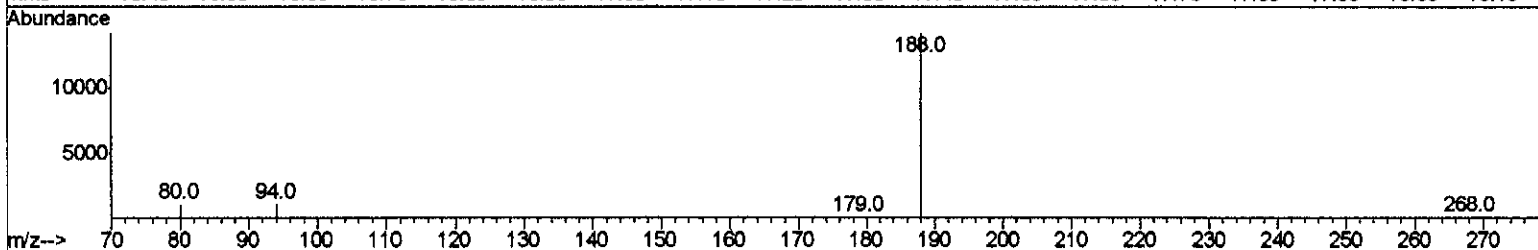
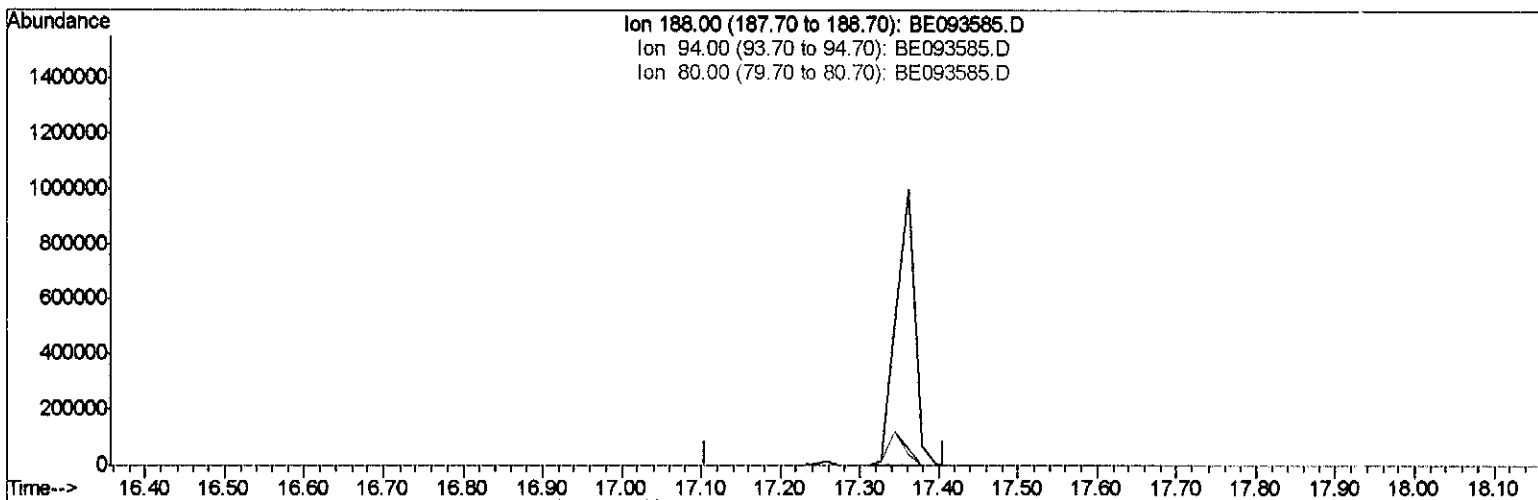
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
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Instrument :
BNA_E
ClientSampled :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 02:49:01 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: BE093585.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

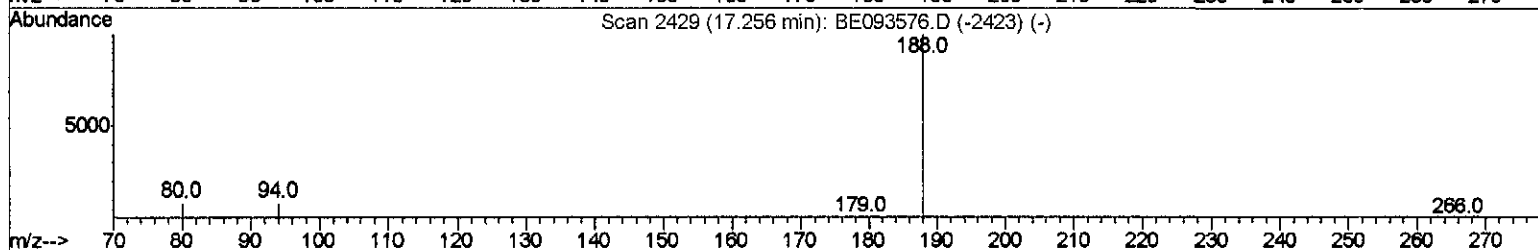
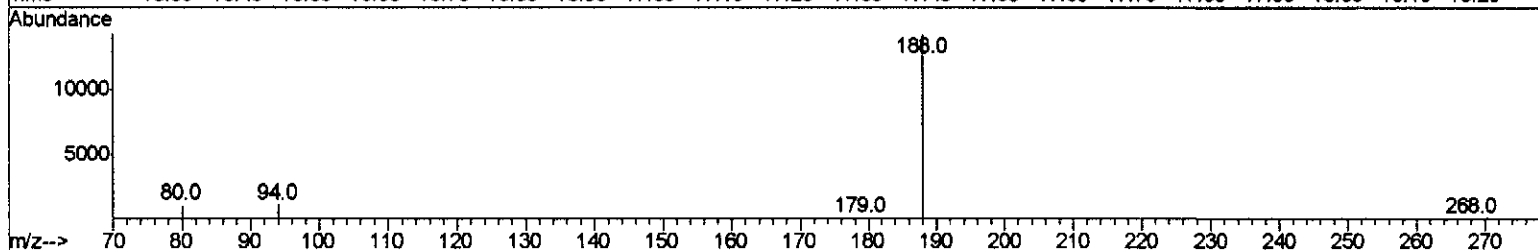
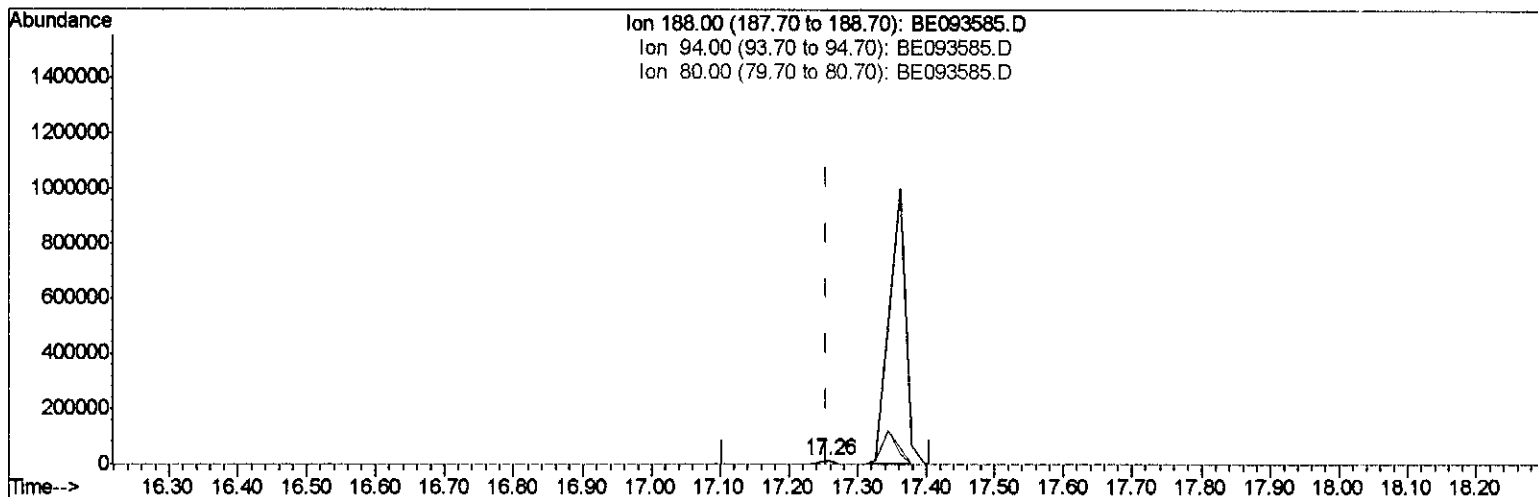
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 02:49:01 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093585.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

SJ 8/8/12

response 20793

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.73#
80.00	11.80	7.31#
0.00	0.00	0.00

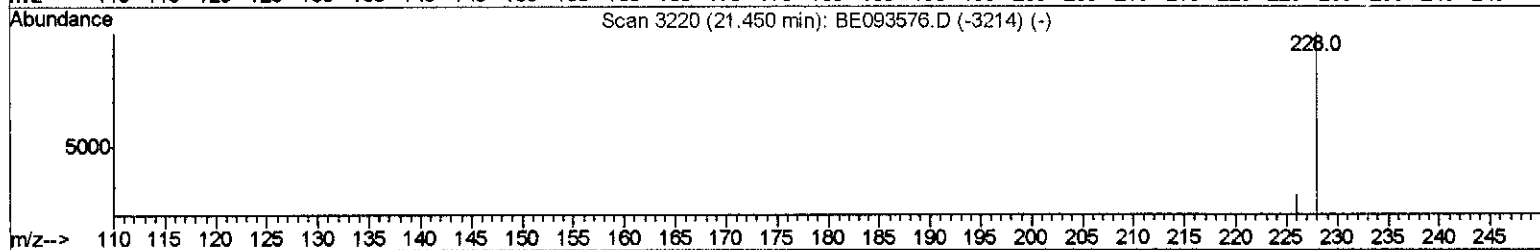
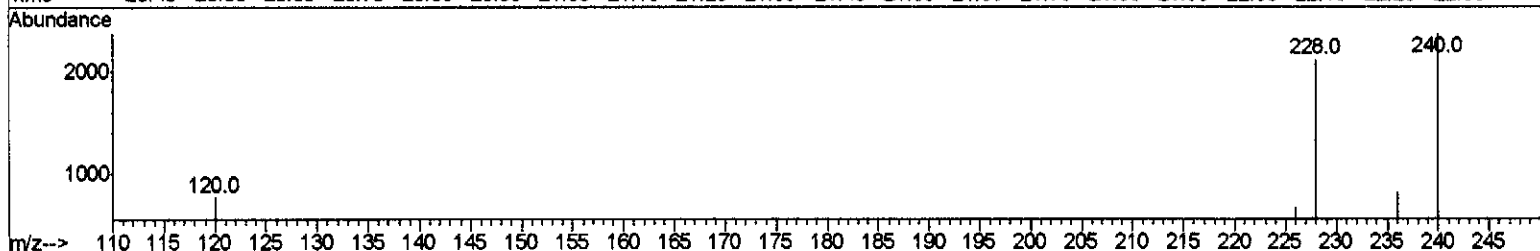
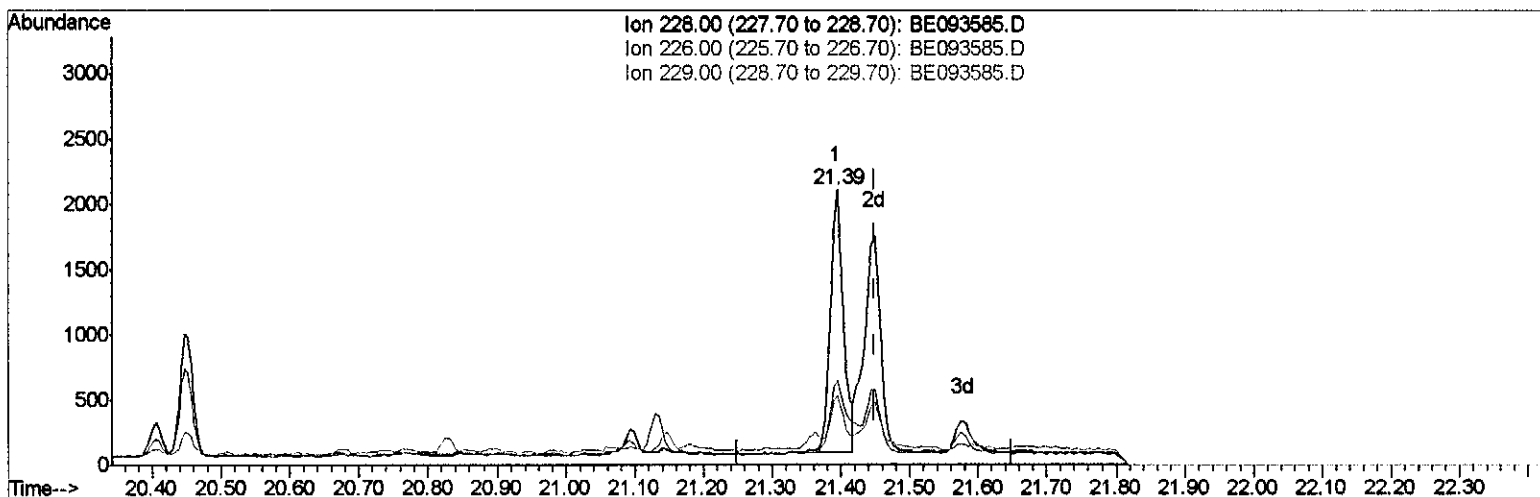
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 03:57:34 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093585.D

(19) Chrysene

21.394min (-0.056) 0.04ng/ul

response 2759

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	30.86
229.00	22.10	25.61
0.00	0.00	0.00

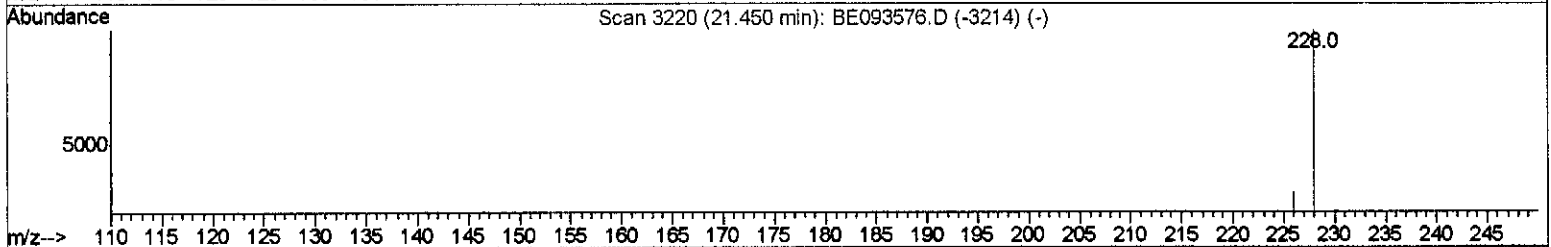
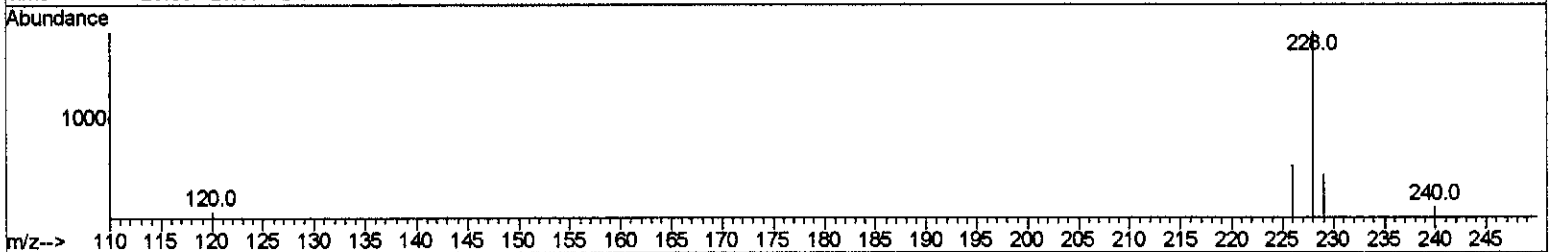
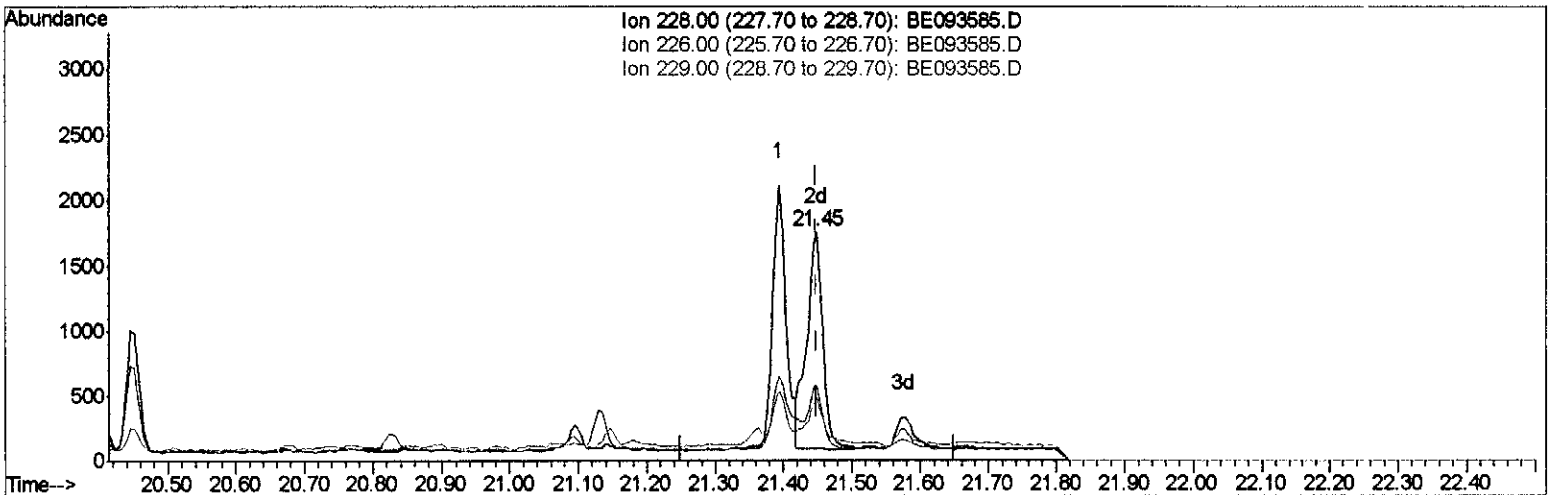
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 03:57:34 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093585.D

(19) Chrysene

21.449min (-0.001) 0.04ng/ul m SJ 8/8/17

response 2823

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	32.86
229.00	22.10	27.93#
0.00	0.00	0.00

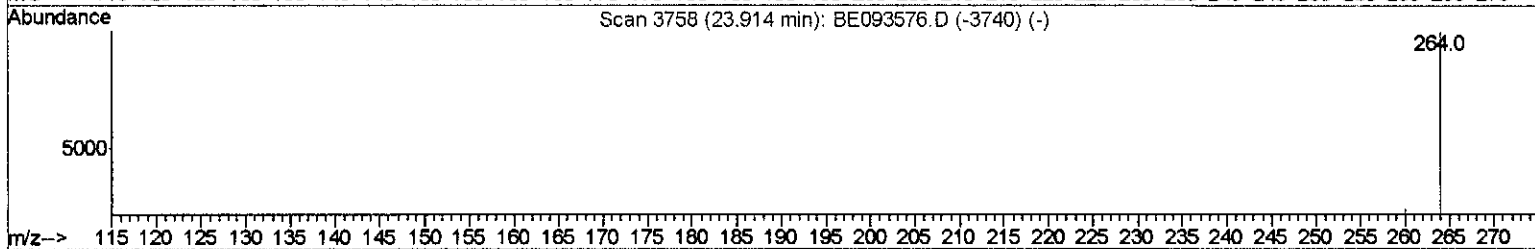
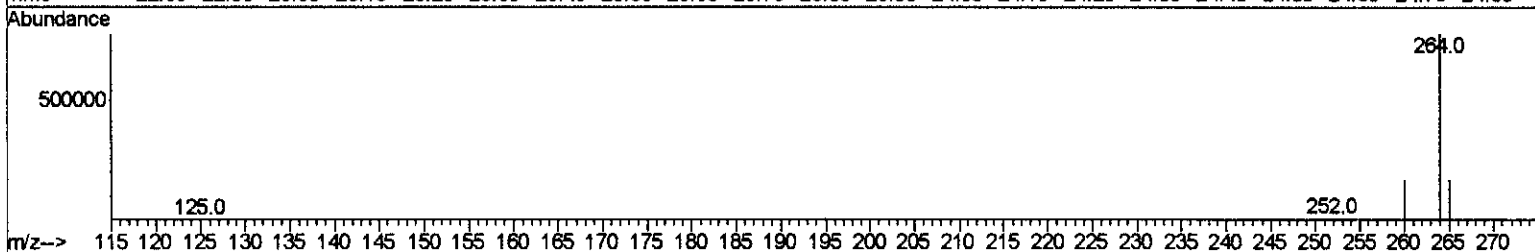
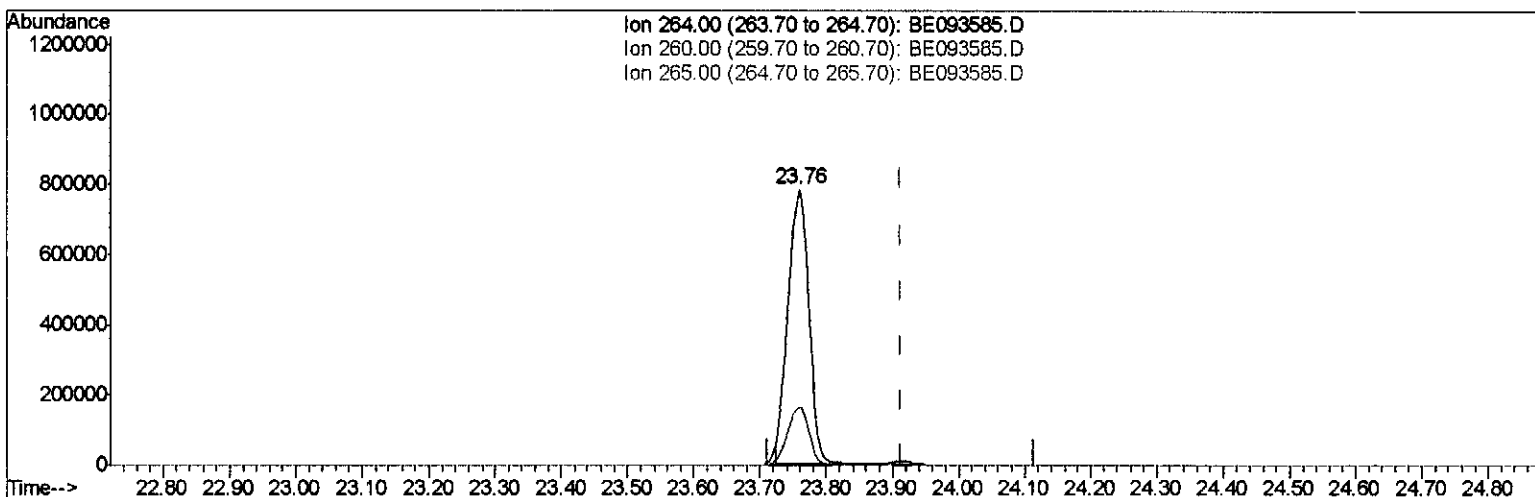
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 03:57:34 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093585.D

(20) Perylene-d12 (I)

23.759min (-0.155) 0.40ng/ul

response 1704523

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.29#
265.00	103.50	21.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

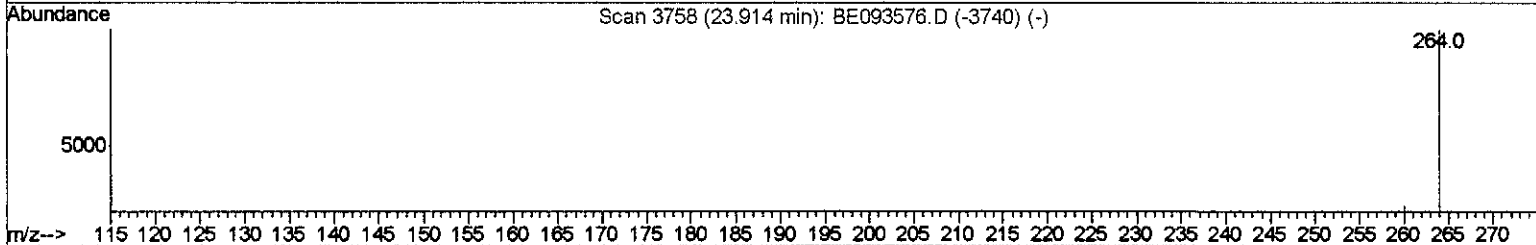
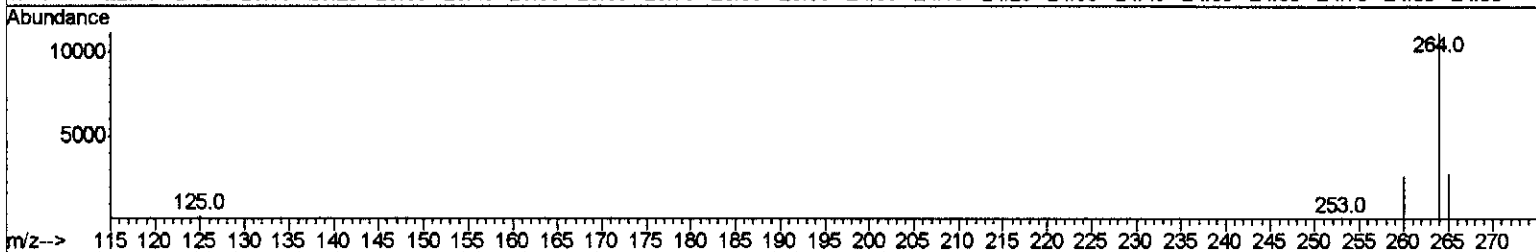
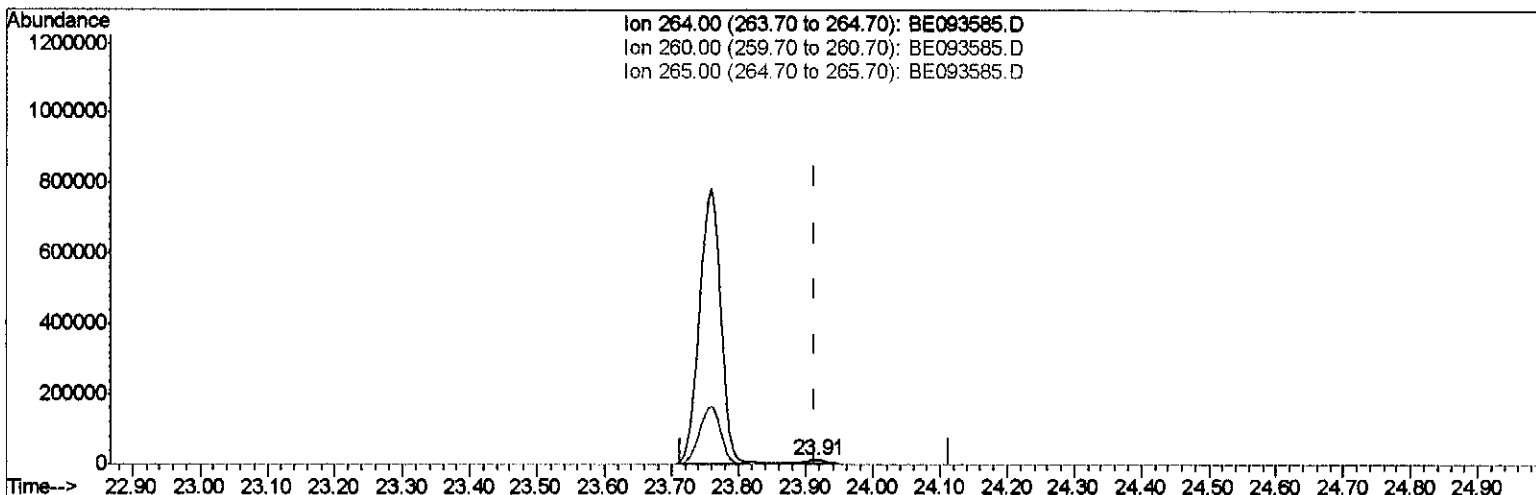
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093585.D
 Acq On : 25 Jul 2017 19:55
 Operator : SJ/JU
 Sample : I4213-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B41

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:00 PM

Quant Time: Jul 26 03:57:34 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: BE093585.D

(20) Perylene-d12 (I)

23.914min (+0.000) 0.40ng/ul m

SJ 8/8/17

response 19428

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	23.89#
265.00	103.50	25.35#
0.00	0.00	0.00

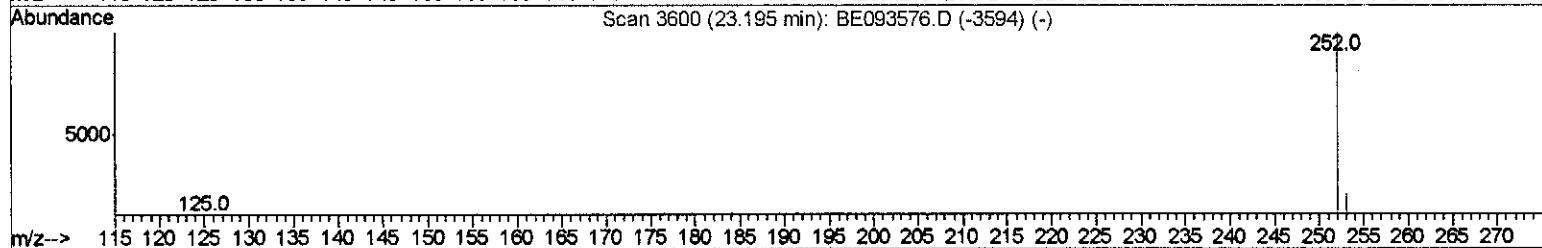
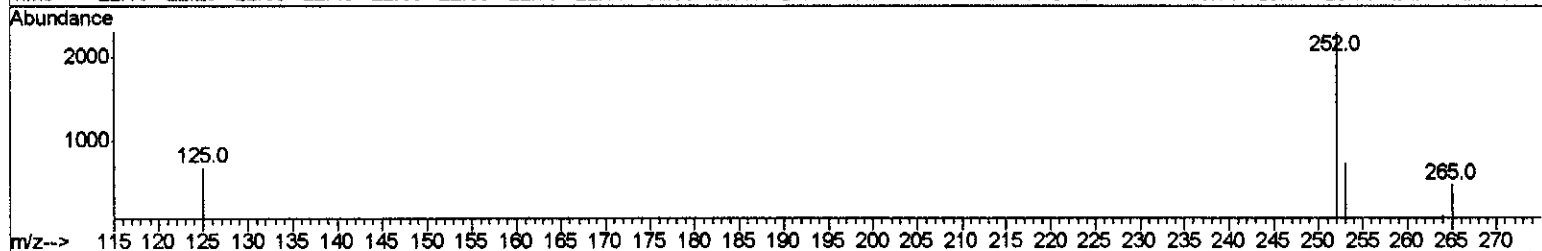
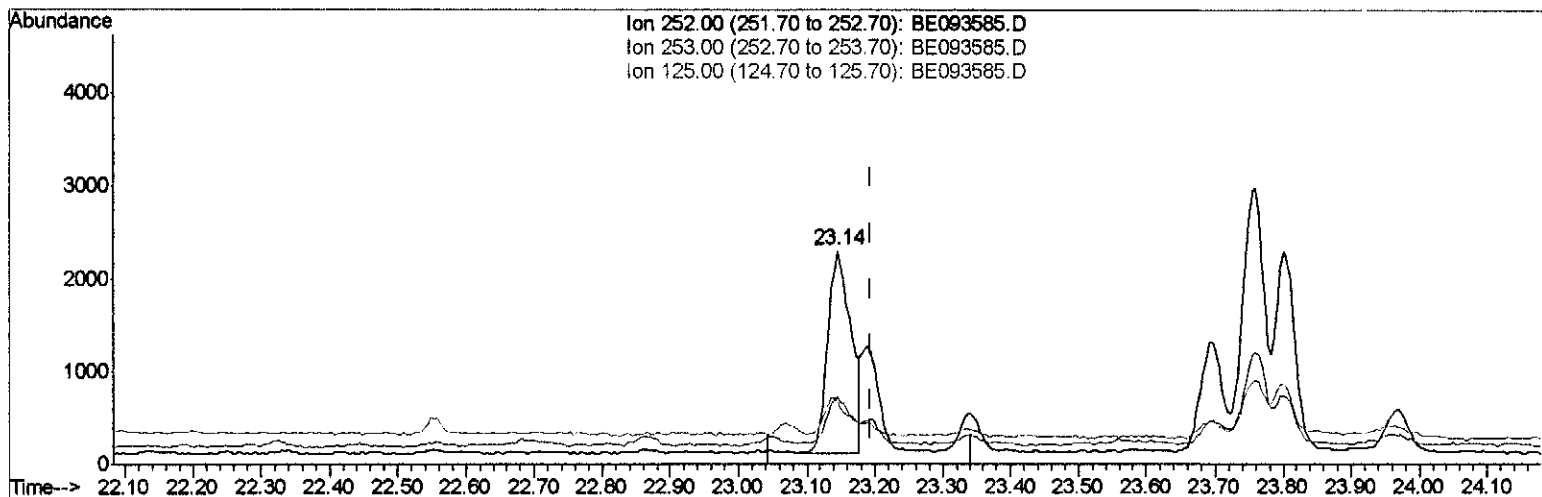
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:01:56 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
Response via : Initial Calibration



TIC: BE093585.D

(22) Benzo(k)fluoranthene

23.145min (-0.050) 0.09ng/ul

response 5287

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.93
125.00	17.10	29.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

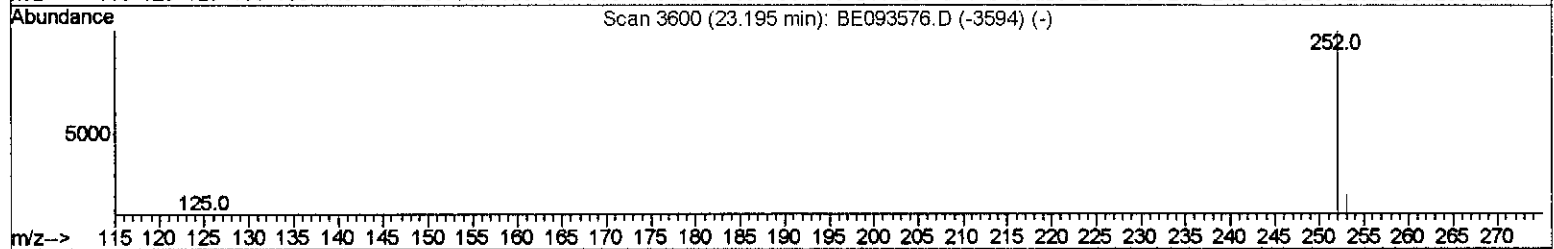
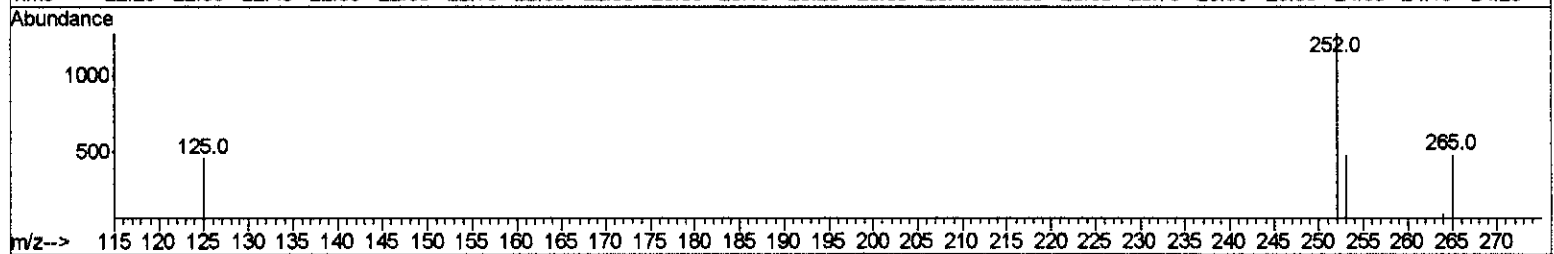
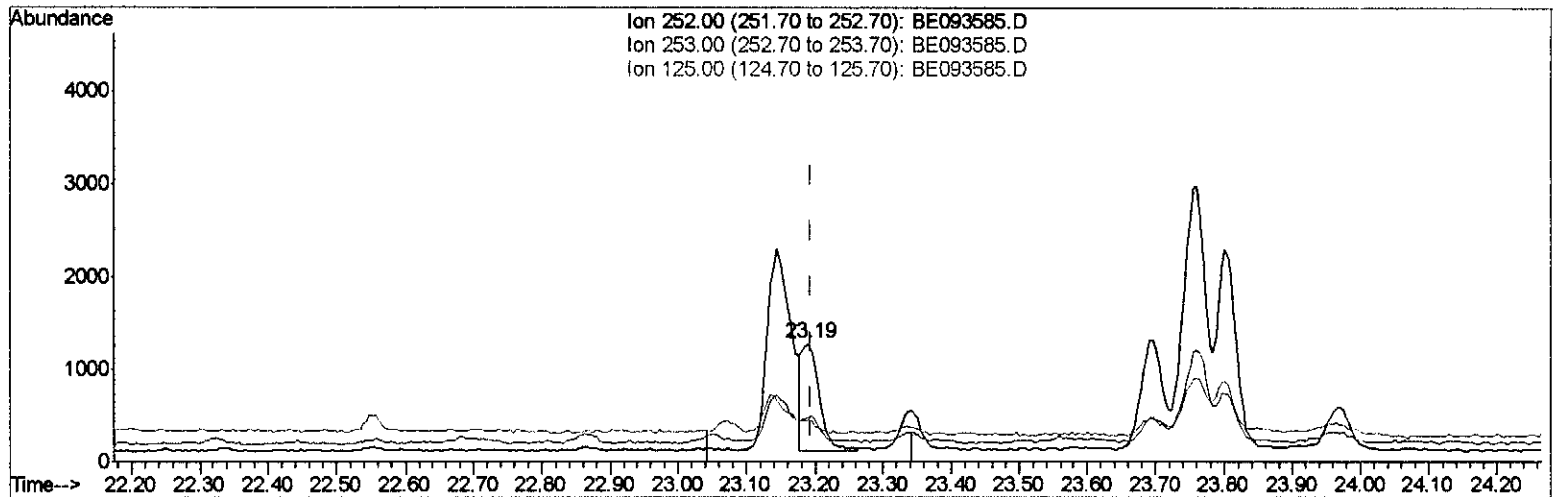
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093585.D
 Acq On : 25 Jul 2017 19:55
 Operator : SJ/JU
 Sample : I4213-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B41

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:01:56 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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 Response via : Initial Calibration



TIC: BE093585.D

(22) Benzo(k)fluoranthene

23.190min (-0.004) 0.03ng/ul m

SJ 8/8/17

response 2058

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	37.46#
125.00	17.10	35.97#
0.00	0.00	0.00

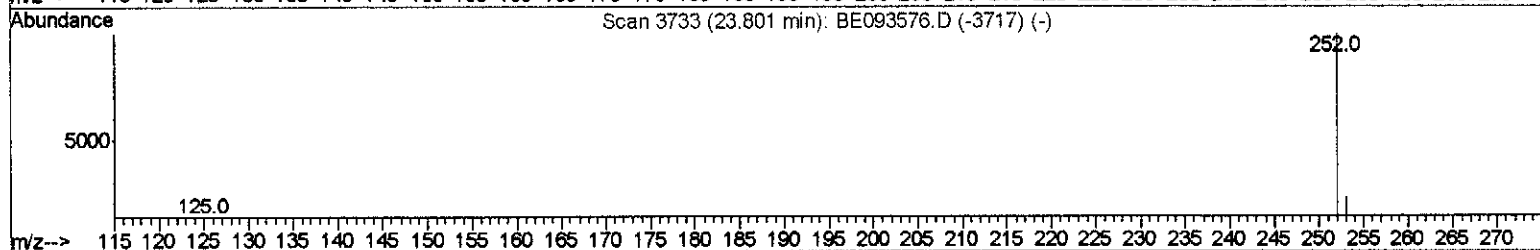
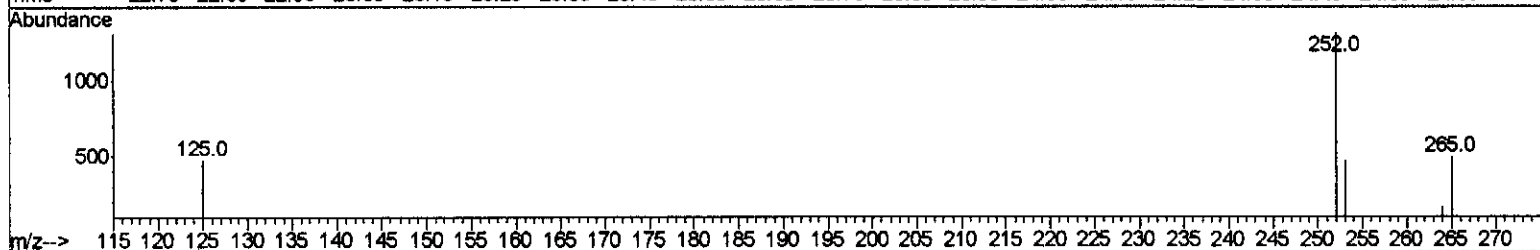
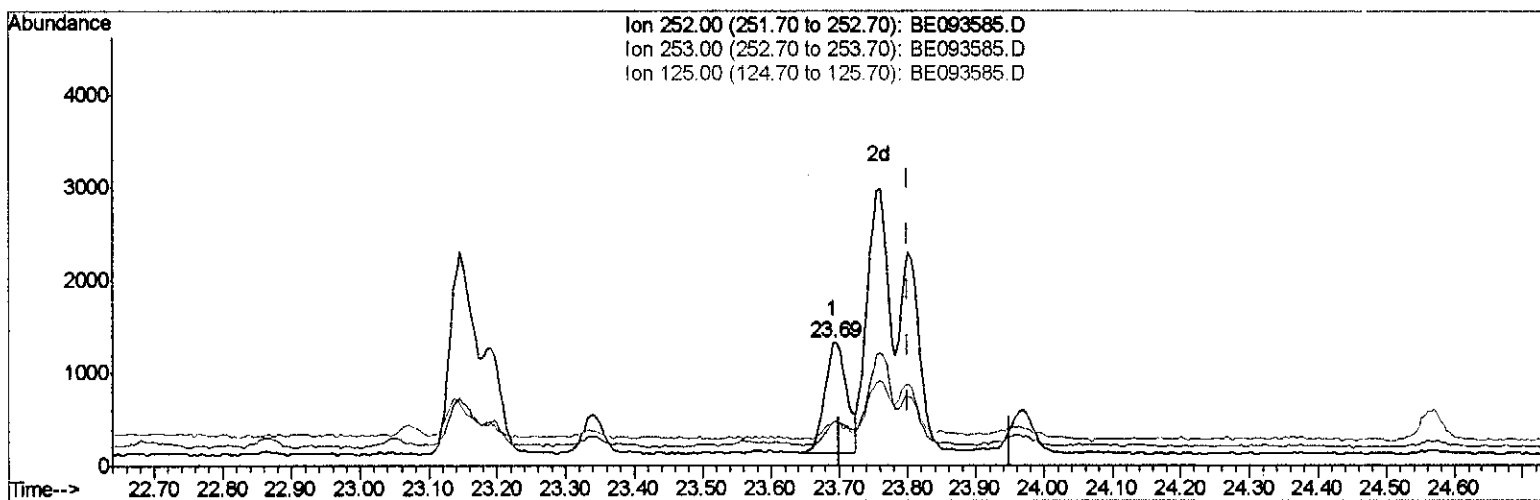
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:01:56 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093585.D

(23) Benzo(a)pyrene (C)

23.691min (-0.109) 0.05ng/ul

response 2683

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.69
125.00	22.60	36.07#
0.00	0.00	0.00

Quantitation Report (Qedit)

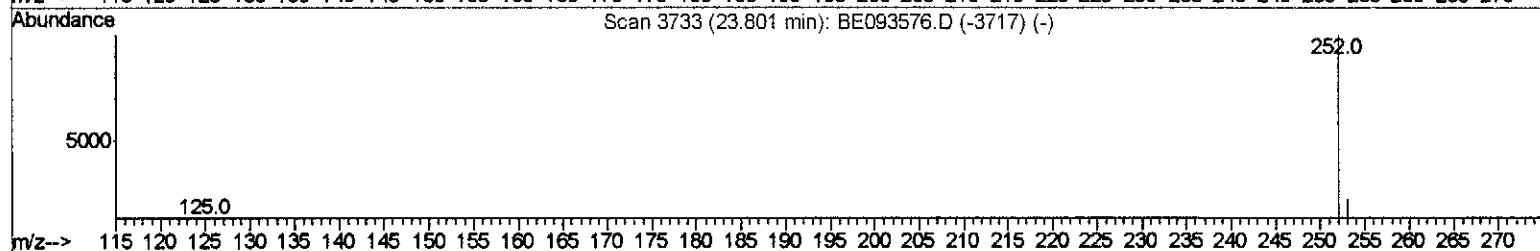
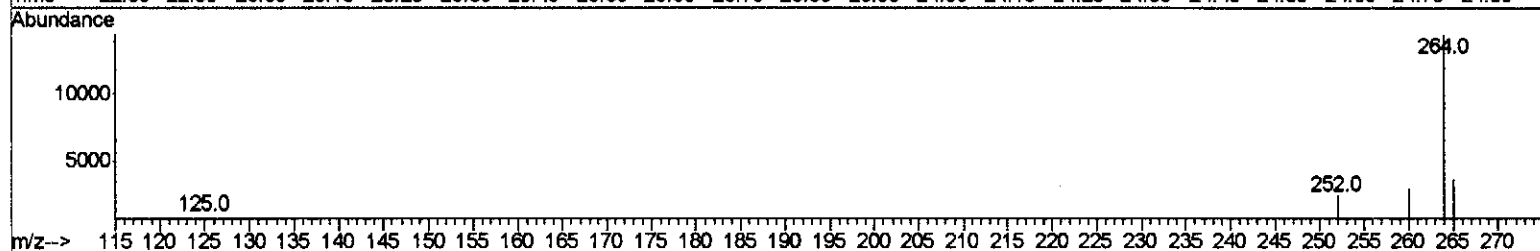
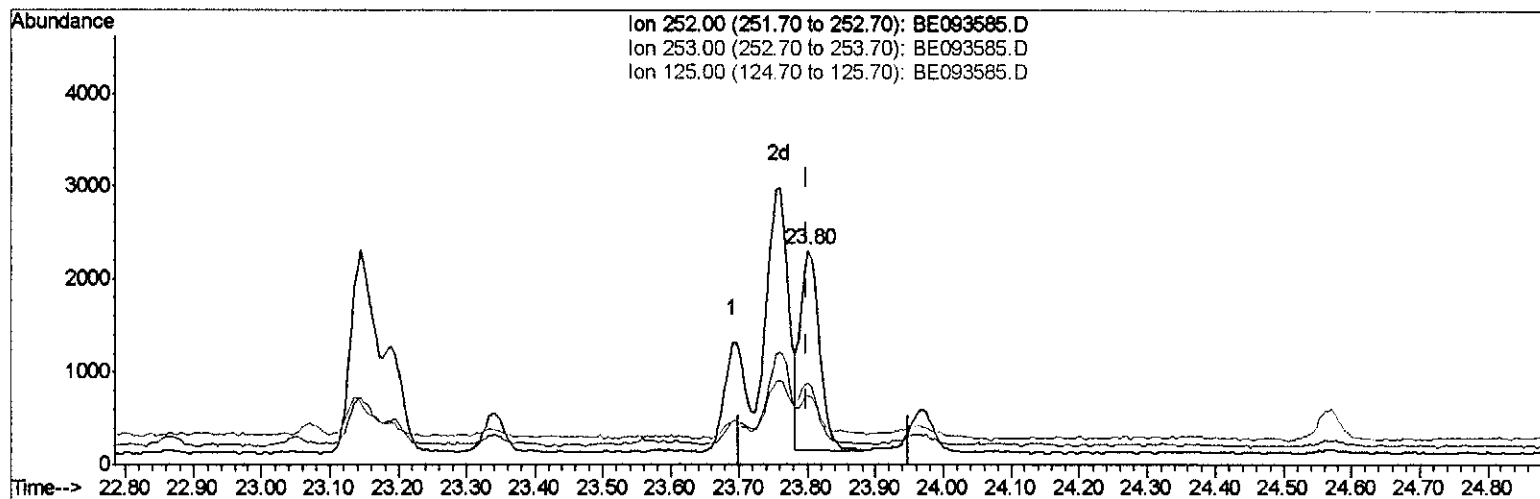
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:01:56 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093585.D

(23) Benzo(a)pyrene (C)

23.800min (+0.000) 0.07ng/ul m

SJ 8/8/17

response 4118

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	32.24
125.00	22.60	38.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

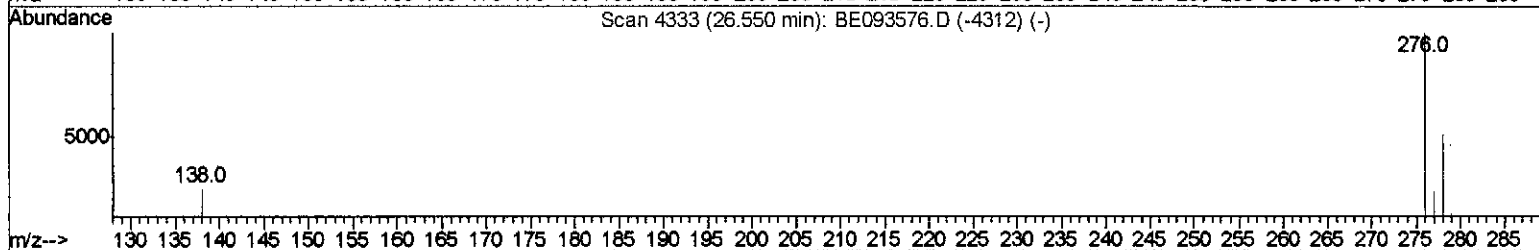
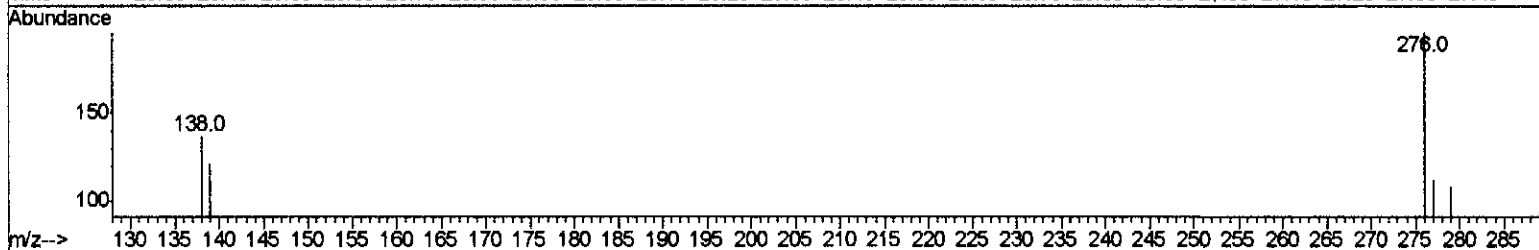
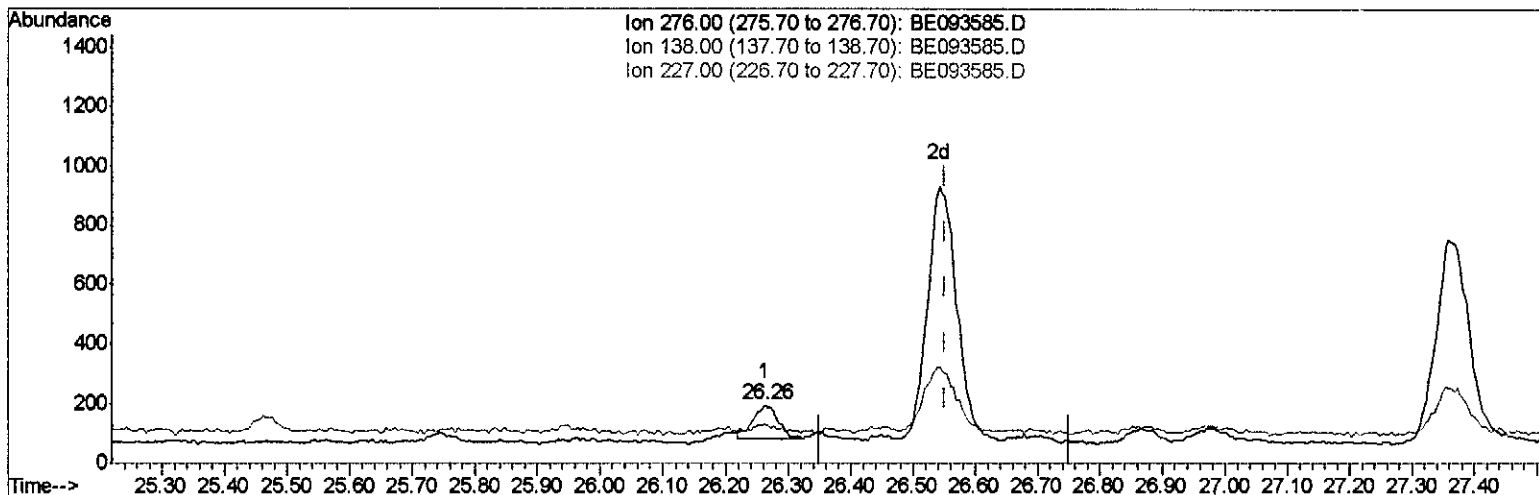
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093585.D
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 Operator : SJ/JU
 Sample : I4213-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B41

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:01:56 2017
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TIC: BE093585.D

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

26.264min (-0.287) 0.01ng/ul

response 325

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	23.69#
227.00	10.00	0.00#
0.00	0.00	0.00

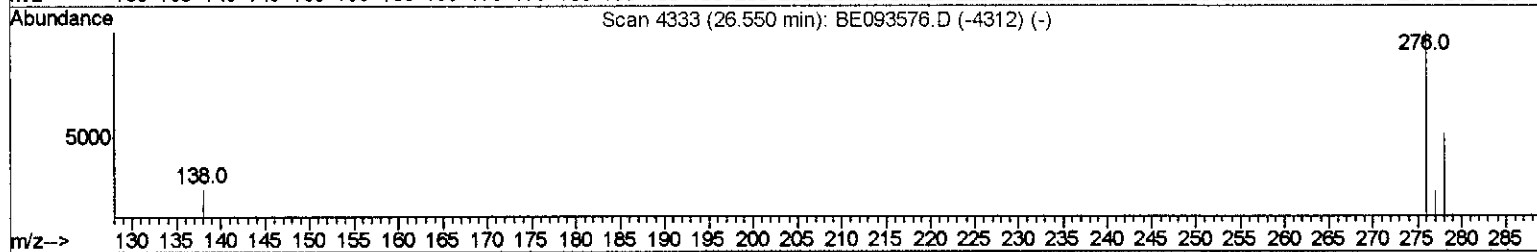
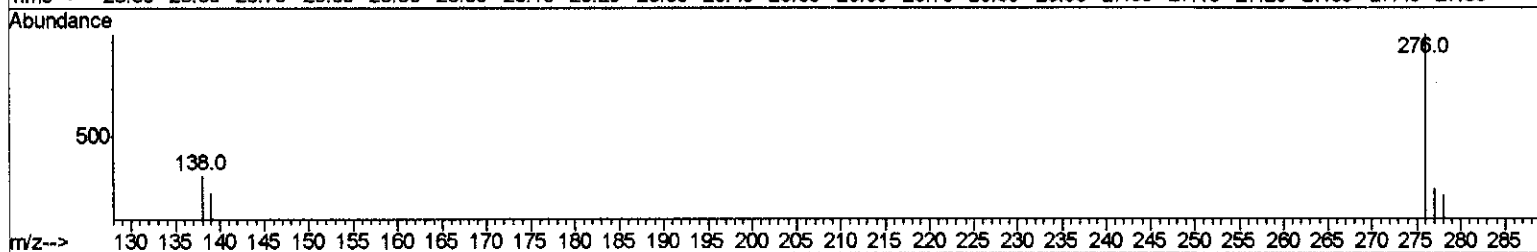
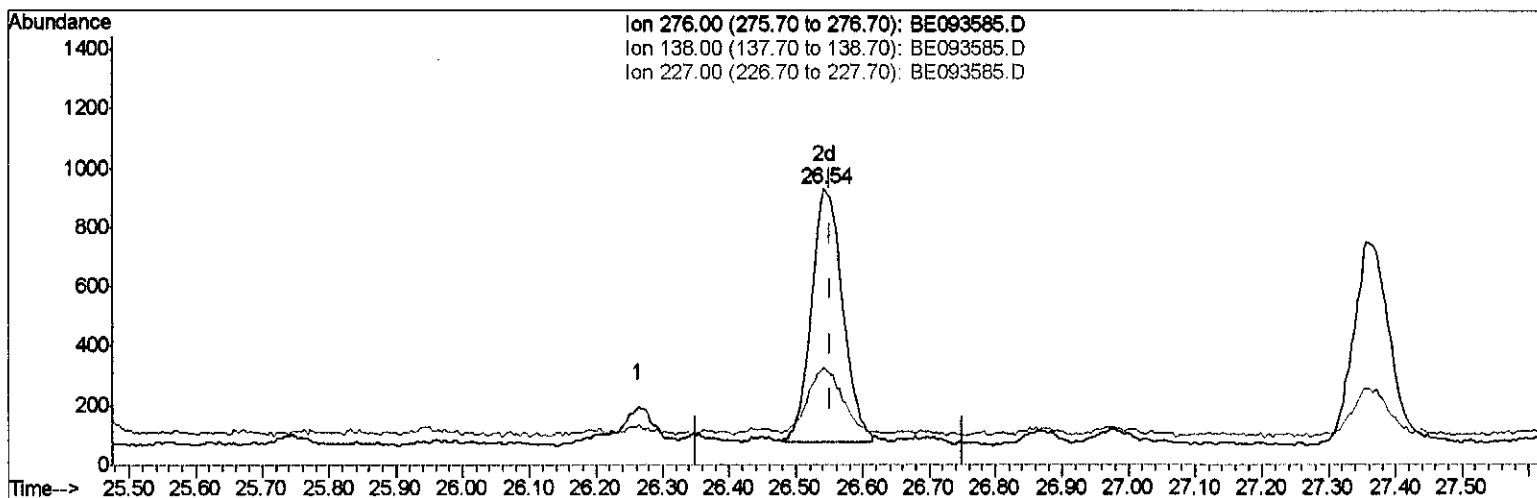
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
Client Sampled :
C0B41

Manual Integrations
APPROVED

Sohil
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TIC: BE093585.D

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

26.542min (-0.009) 0.04ng/ul m

SJ 8/1/17

response 2768

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	2.78#
227.00	10.00	0.00#
0.00	0.00	0.00

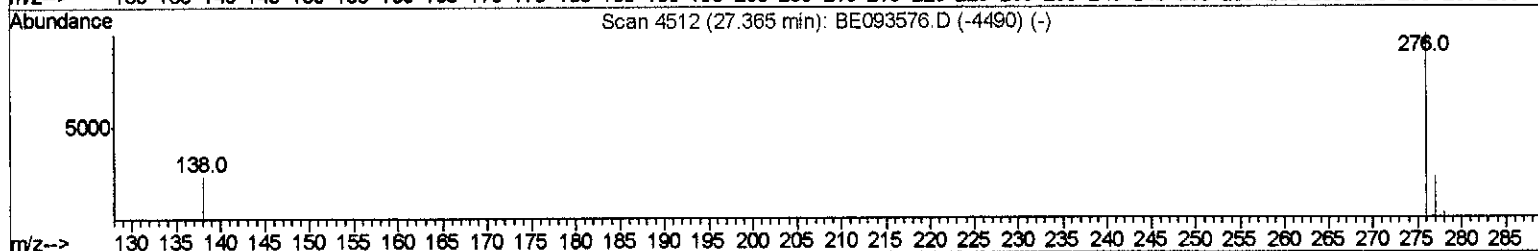
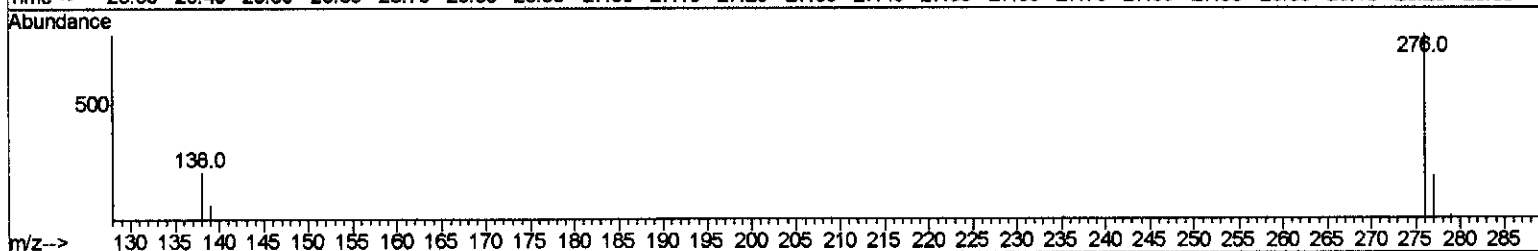
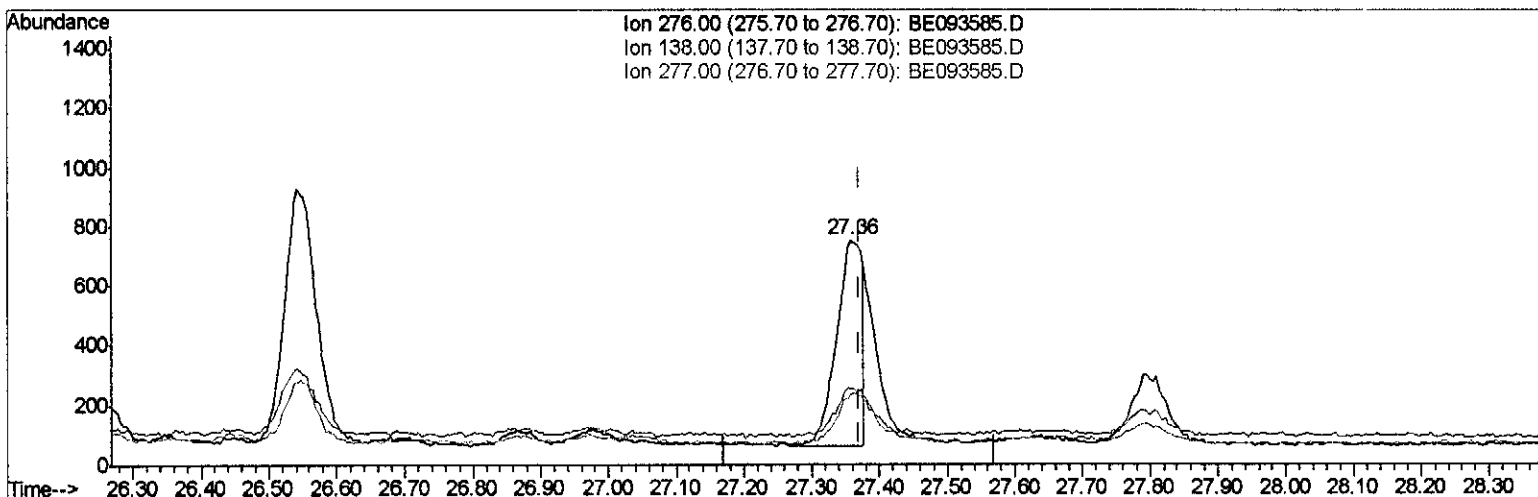
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093585.D

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

27.357min (-0.014) 0.03ng/ui

response 1829

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	33.82#
277.00	25.60	31.30#
0.00	0.00	0.00

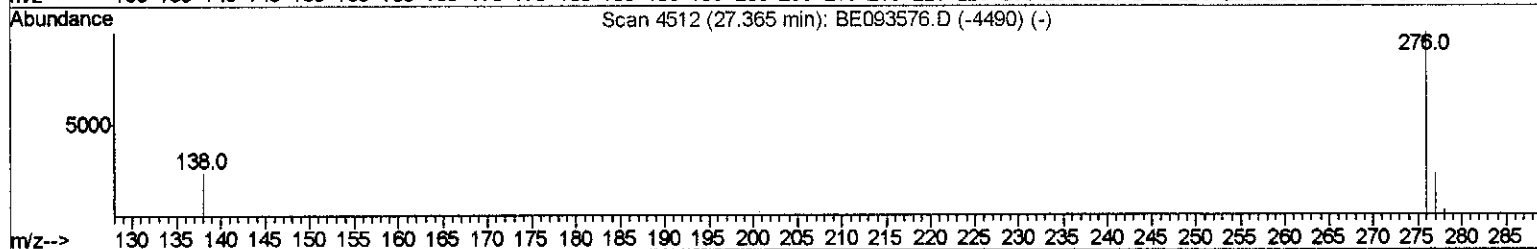
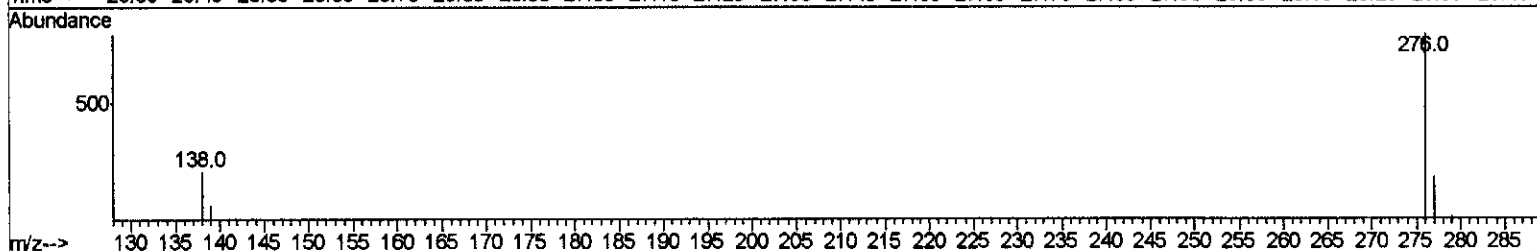
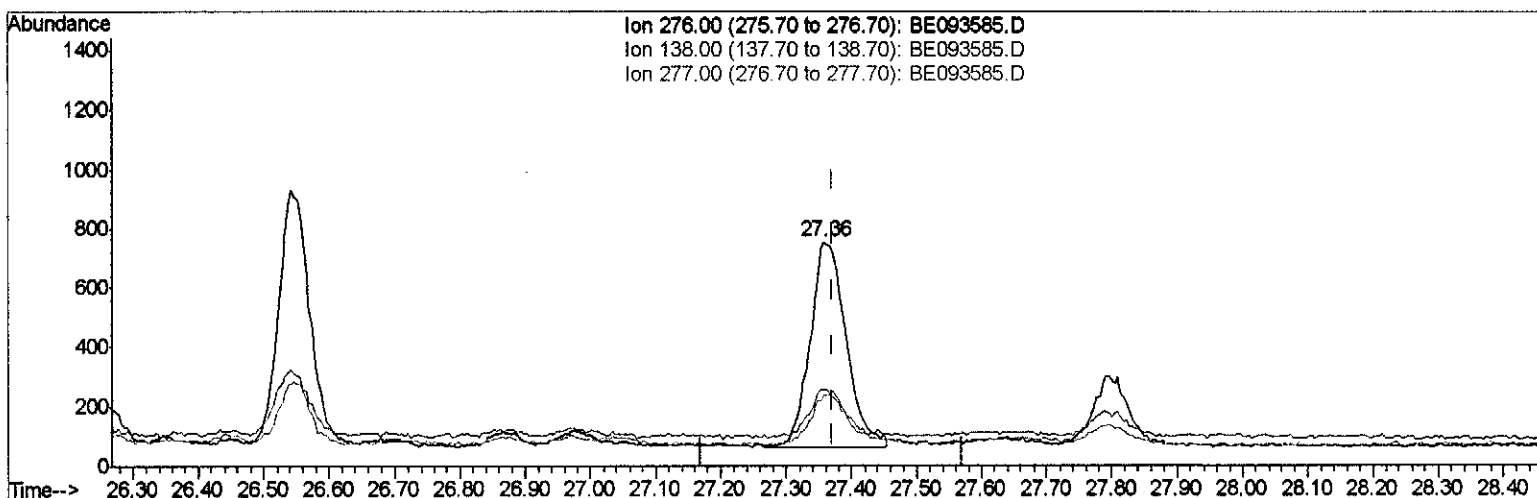
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093585.D
Acq On : 25 Jul 2017 19:55
Operator : SJ/JU
Sample : I4213-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B41

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:01:56 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: BE093585.D

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

27.357min (-0.014) 0.05ng/ul m

response 2634

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	33.82#
277.00	25.60	31.30#
0.00	0.00	0.00

SJ 8/8/17

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093585.D
 Acq On : 25 Jul 2017 19:55
 Operator : SJ/JU
 Sample : I4213-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B41

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:00 PM

Quant Time: Jul 26 04:11:41 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	2372	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	12526	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	8460	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20793m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	22739	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19428m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	6743	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	22609	0.34	ng/ul	0.00
Target Compounds						
					Qvalue	
3) Naphthalene	10.76	128	2630	0.086	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	543	0.024	ng/ul	97
12) Phenanthrene	17.29	178	1705	0.030	ng/ul#	91
15) Fluoranthene	19.30	202	3501	0.049	ng/ul	86
17) Pyrene	19.66	202	3946	0.059	ng/ul#	92
18) Benzo(a)anthracene	21.39	228	2759	0.042	ng/ul#	88
19) Chrysene	21.45	228	2823m	0.045	ng/ul	
21) Benzo(b)fluoranthene	23.14	252	5287	0.088	ng/ul	90
22) Benzo(k)fluoranthene	23.19	252	2058m	0.035	ng/ul	
23) Benzo(a)pyrene	23.80	252	4118m	0.072	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.54	276	2768m	0.044	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	2634m	0.050	ng/ul	

SJ 8/8/17

} SJ 8/8/17

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