

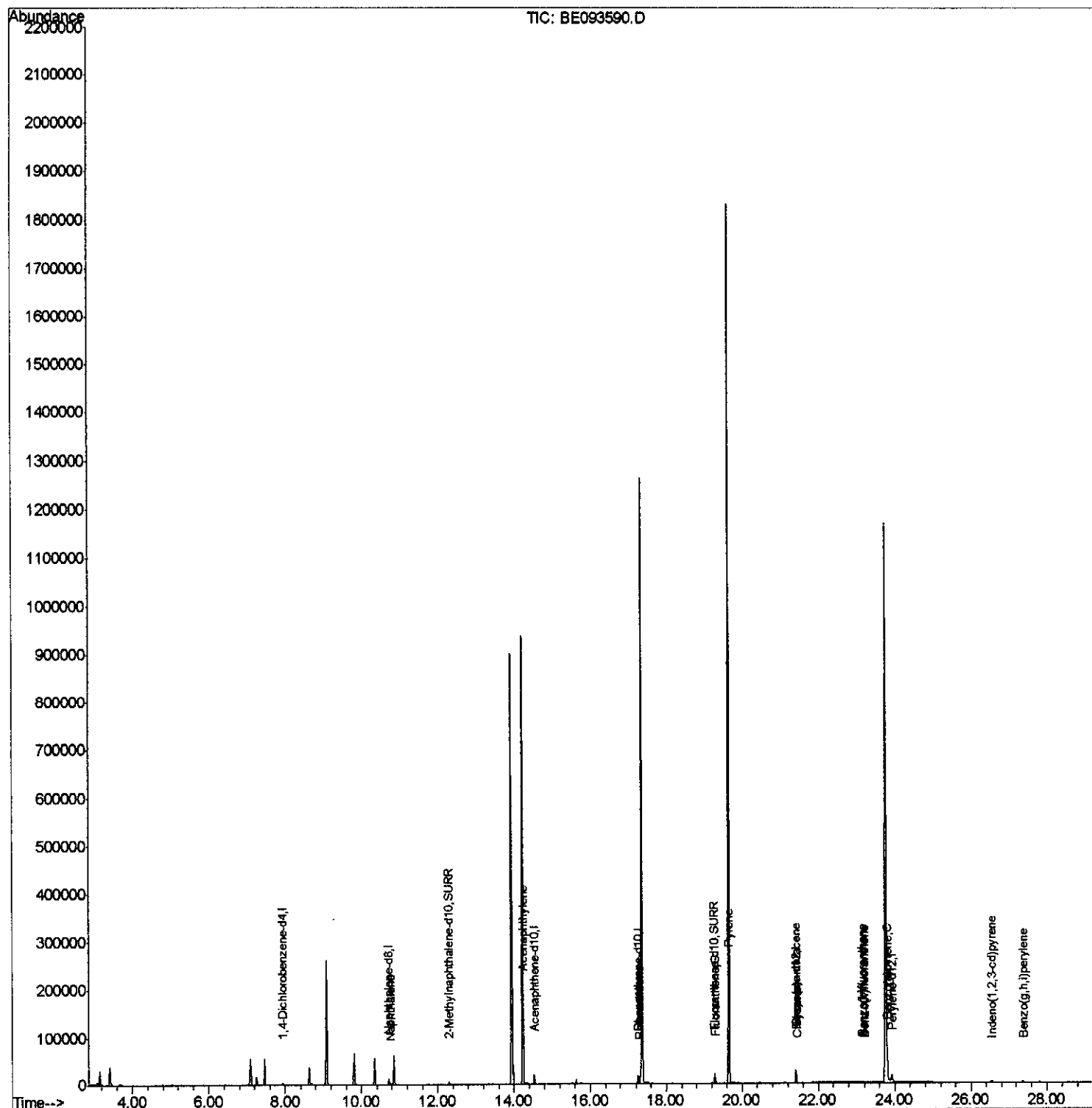
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:16:03 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



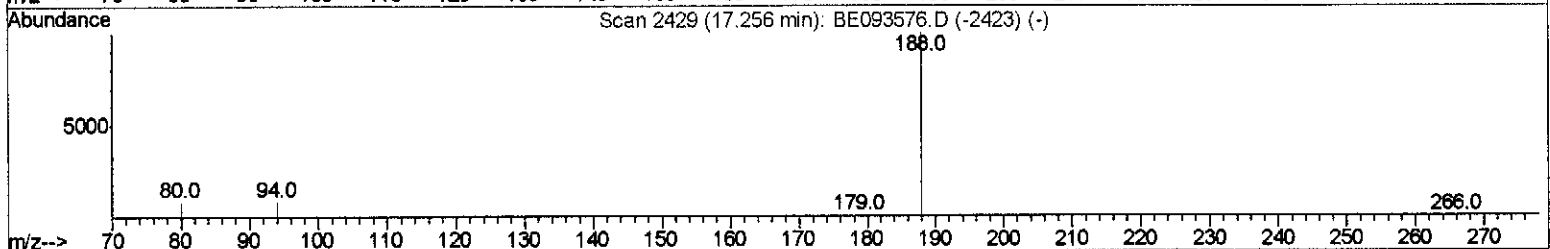
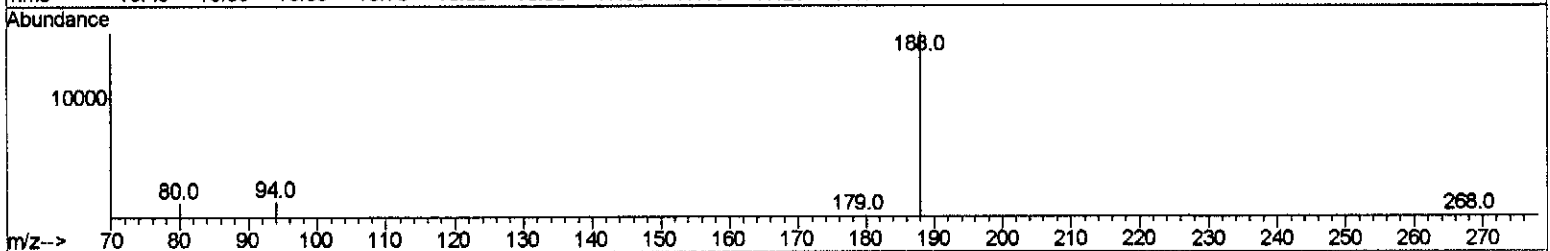
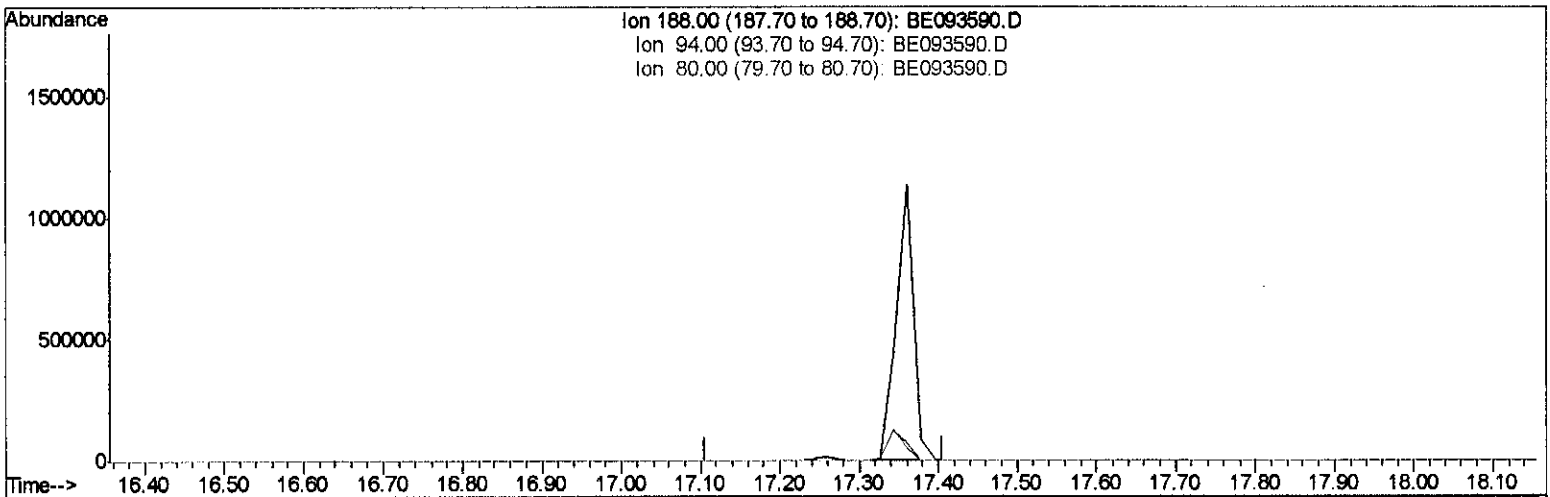
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 02:49:54 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: BE093590.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

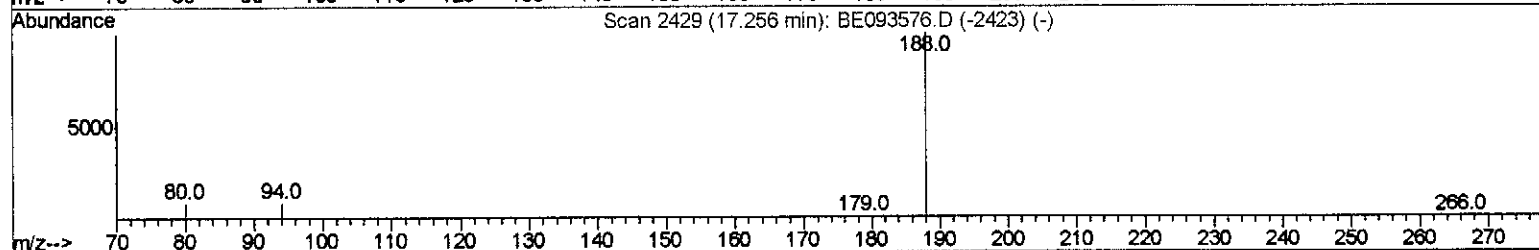
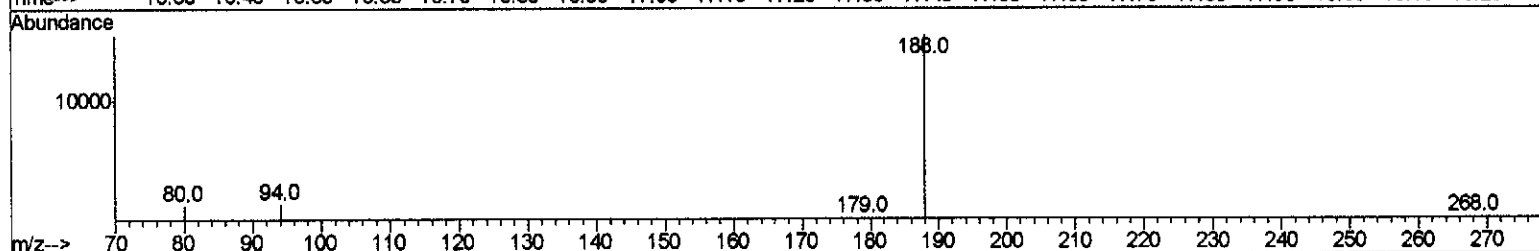
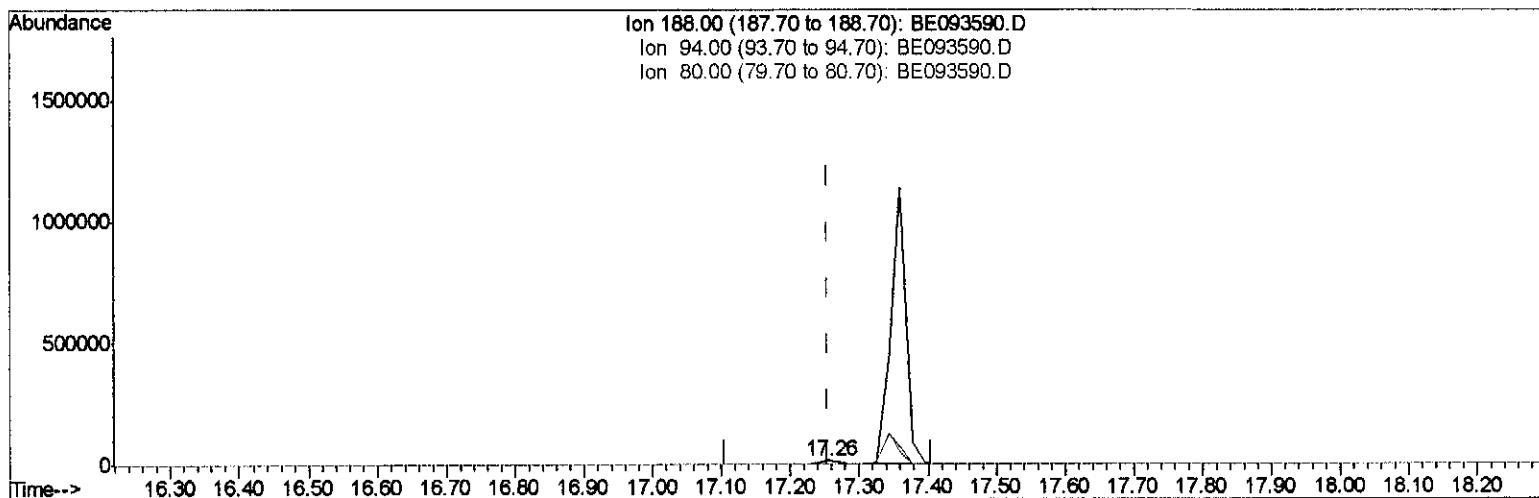
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 02:49:54 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: BE093590.D

(10) Phenanthrene-d10 (I)

17.256min (+0.000) 0.40ng/ul m

SJ 8/8/17

response 22338

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.22#
80.00	11.80	7.62#
0.00	0.00	0.00

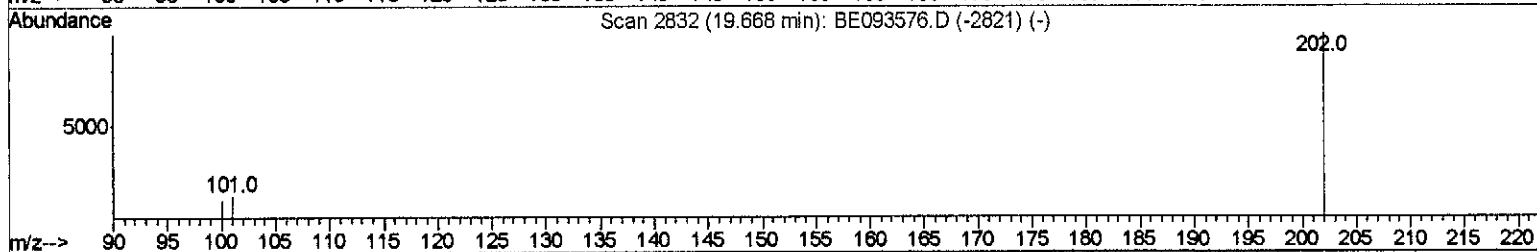
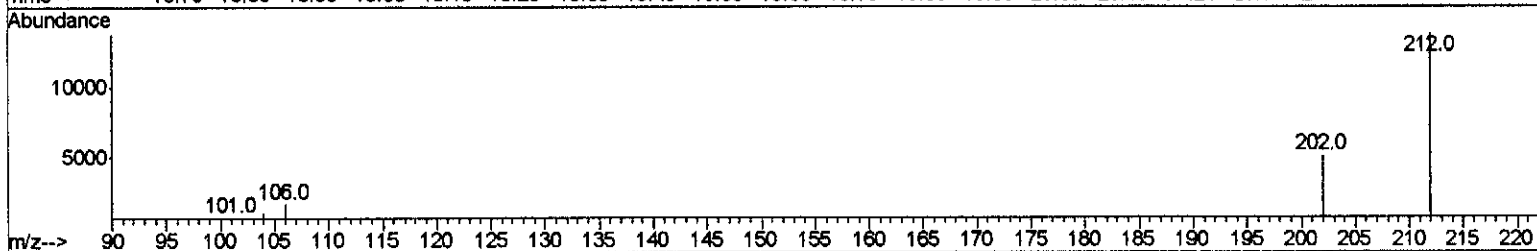
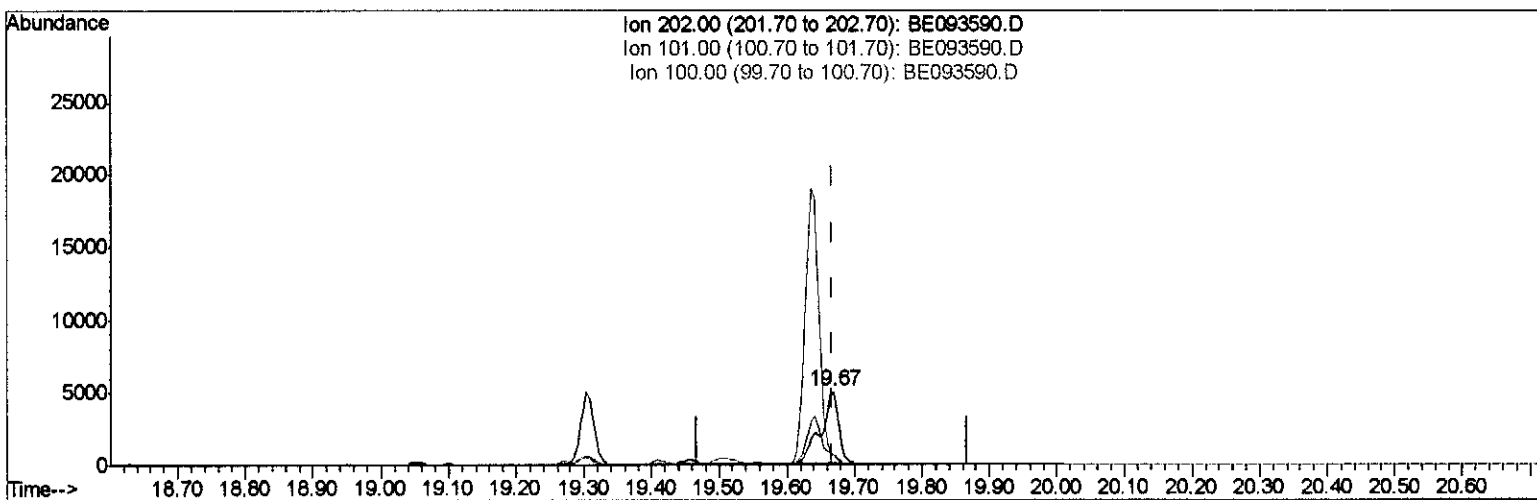
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:11:39 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: BE093590.D

(17) Pyrene

19.668min (+0.000) 0.13ng/ul

response 9122

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	14.07#
100.00	19.50	13.21#
0.00	0.00	0.00

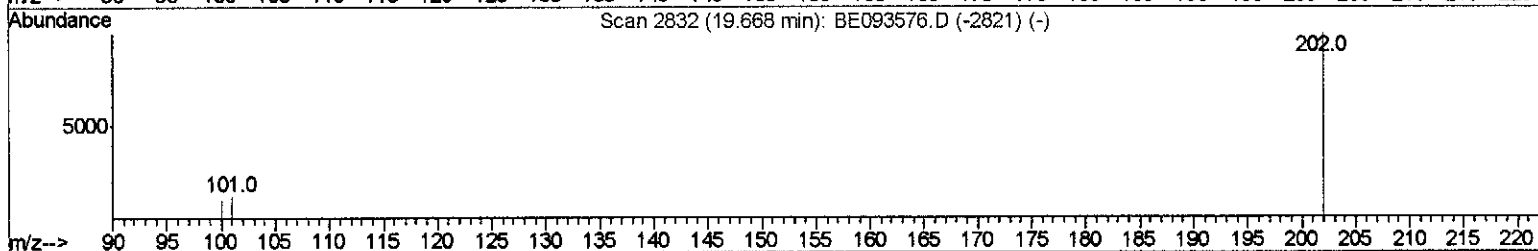
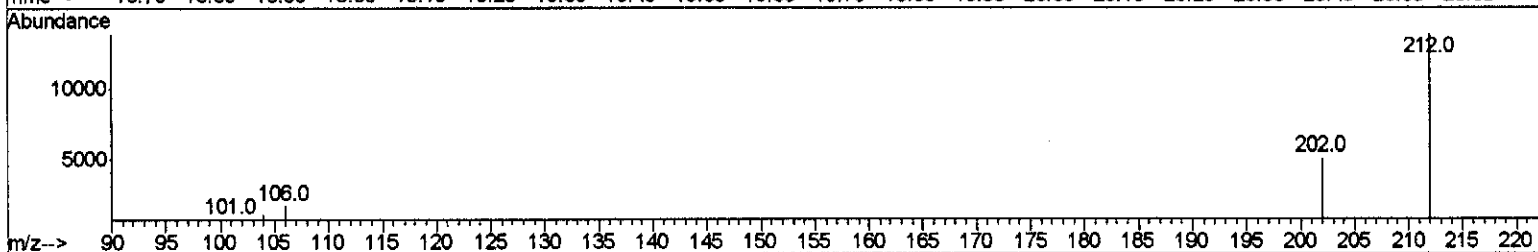
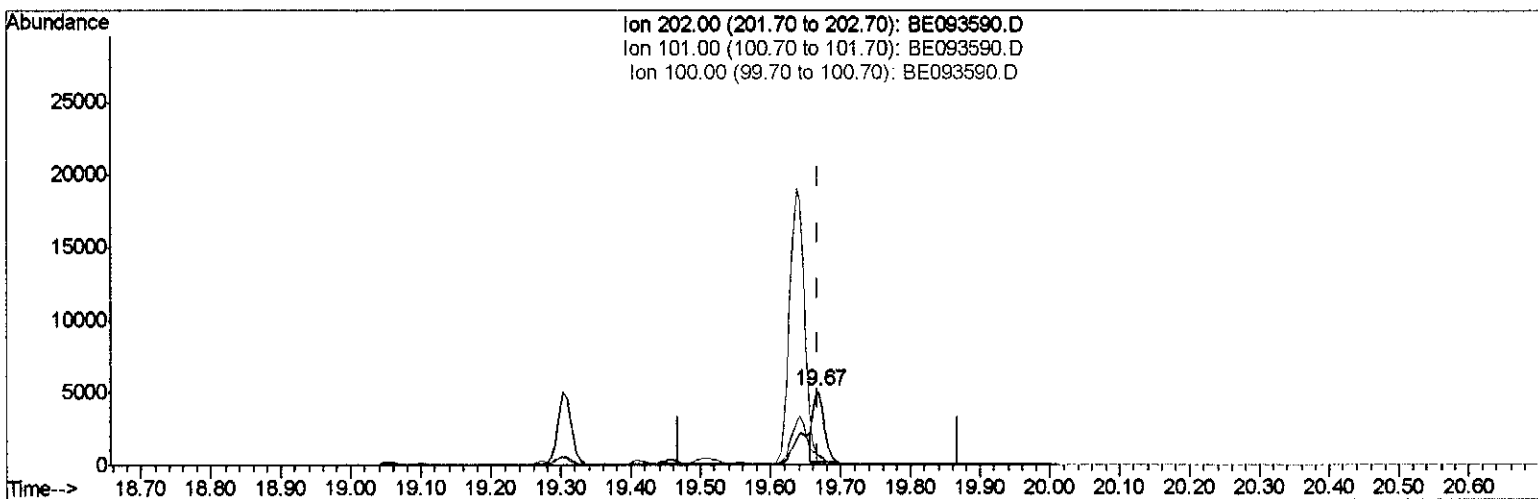
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:11:39 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: BE093590.D

(17) Pyrene

19.668min (+0.000) 0.08ng/ul m *SJ 8/8/17*

response 5604

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	14.07#
100.00	19.50	13.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

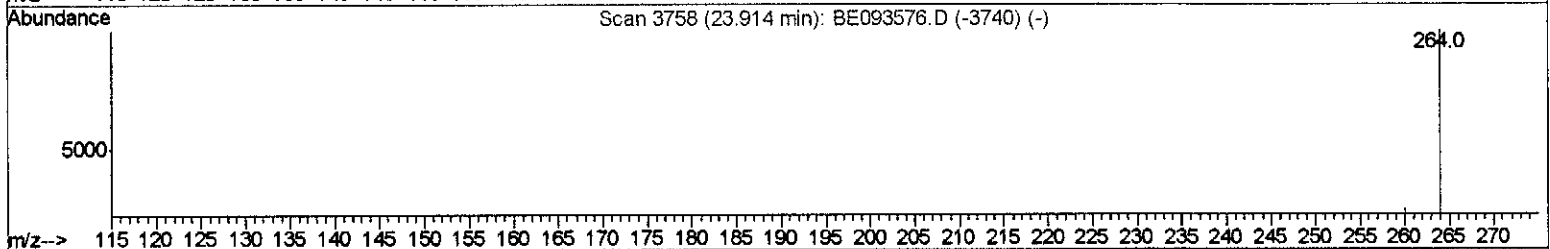
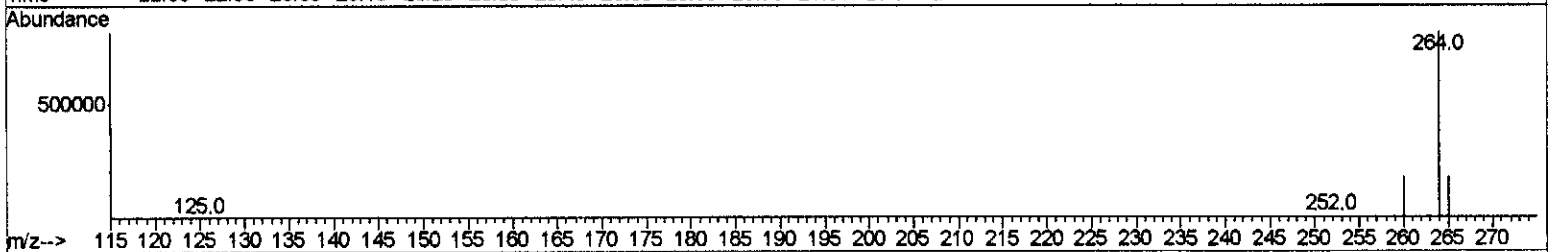
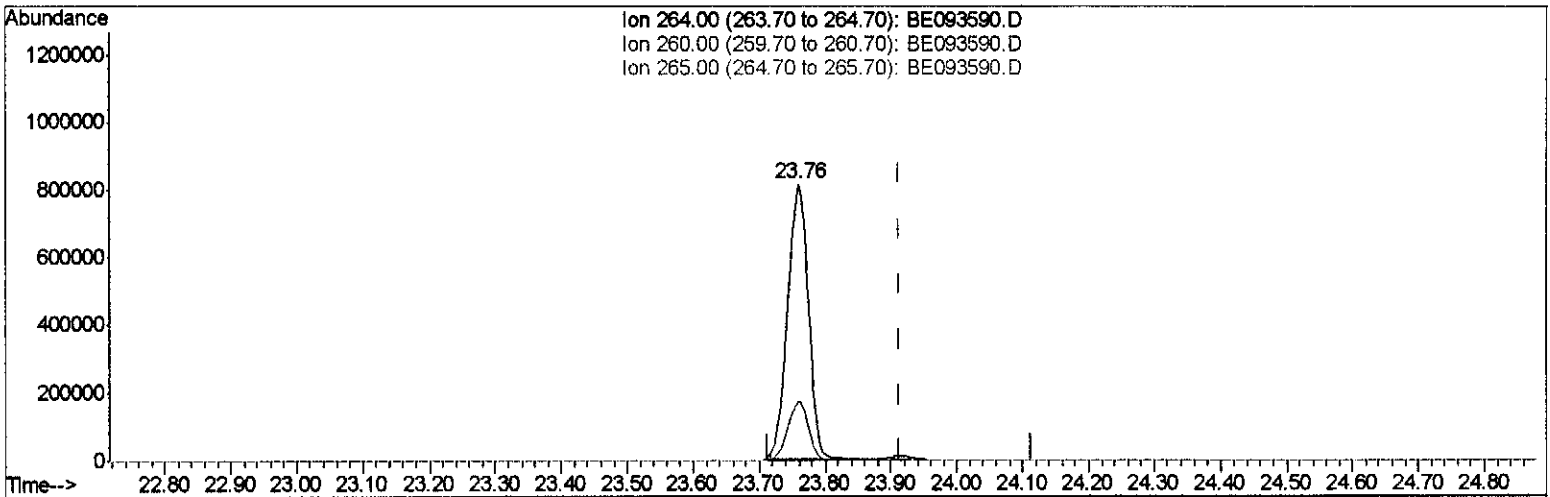
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093590.D
 Acq On : 25 Jul 2017 22:57
 Operator : SJ/JU
 Sample : I4209-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B15

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:11:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093590.D

(20) Perylene-d12 (I)

23.759min (-0.155) 0.40ng/ul

response 1747387

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.19#
265.00	103.50	21.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

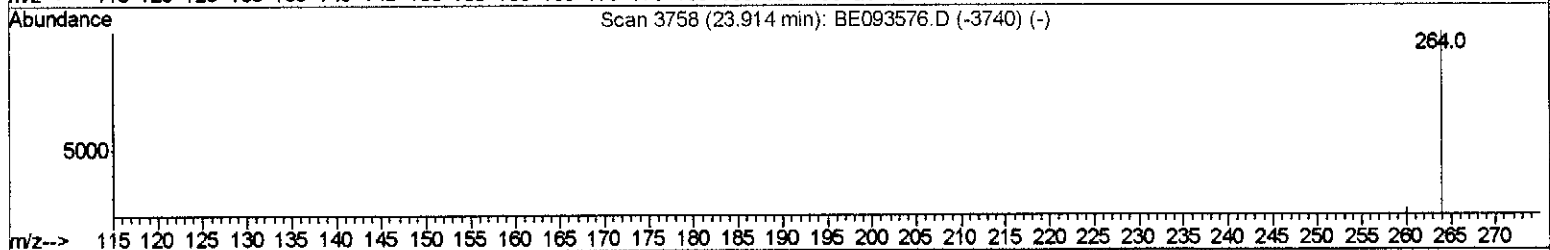
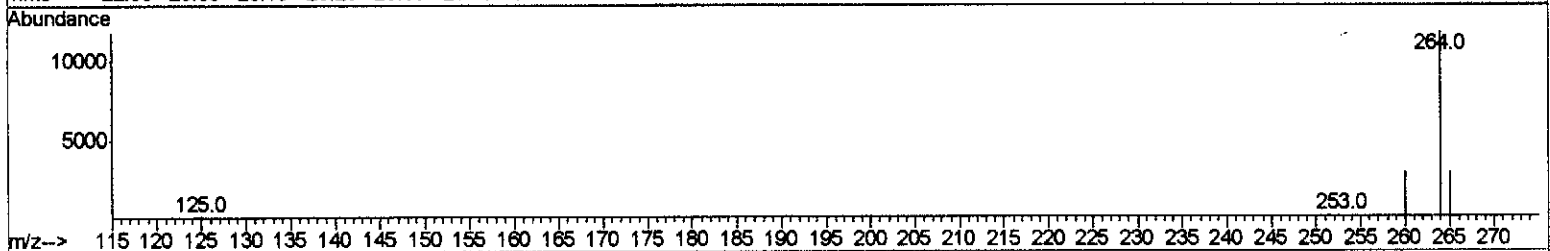
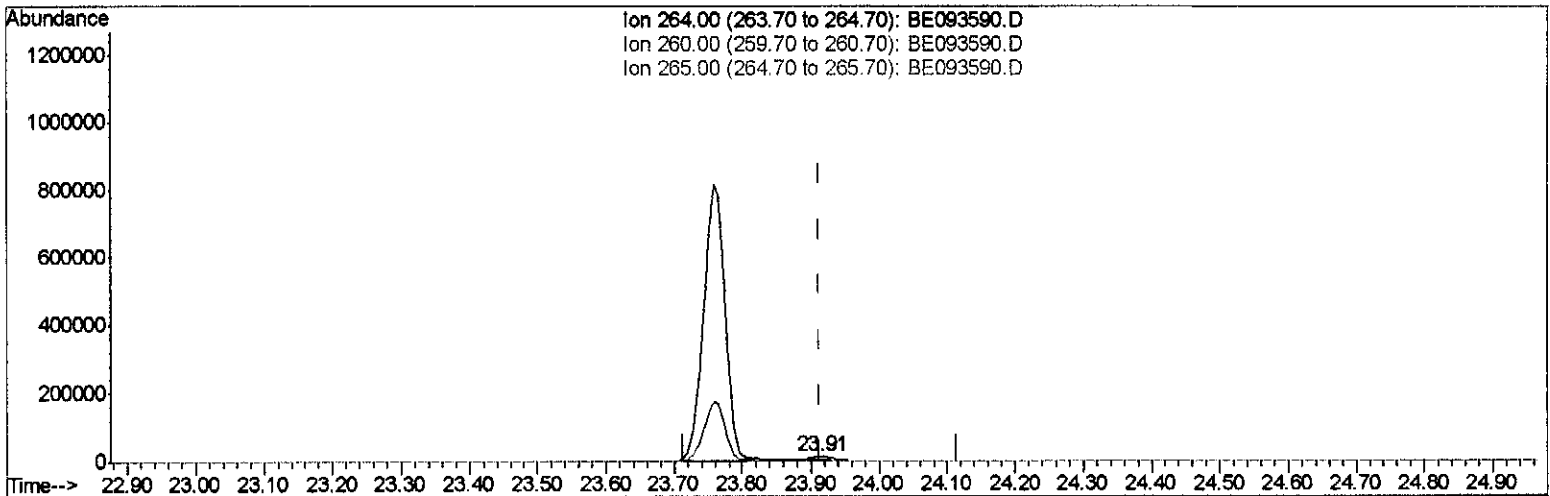
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093590.D
 Acq On : 25 Jul 2017 22:57
 Operator : SJ/JU
 Sample : I4209-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B15

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:11:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093590.D

(20) Perylene-d12 (I)

23.914min (+0.000) 0.40ng/ul m *SJ 8/8/17*

response 20604

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.52
265.00	103.50	24.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

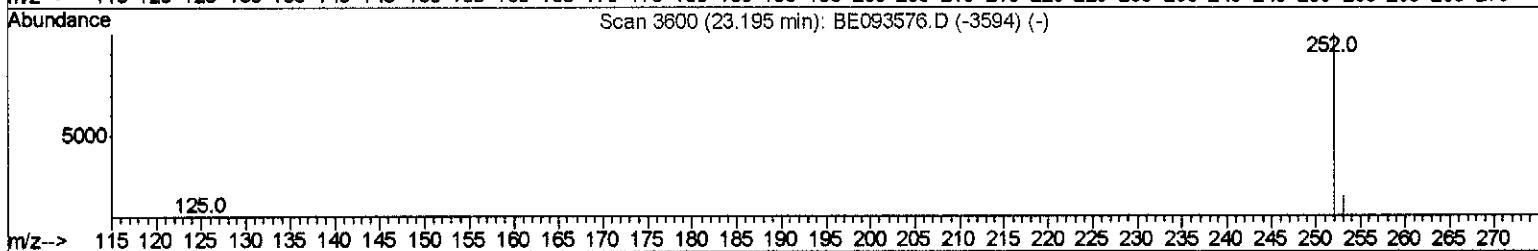
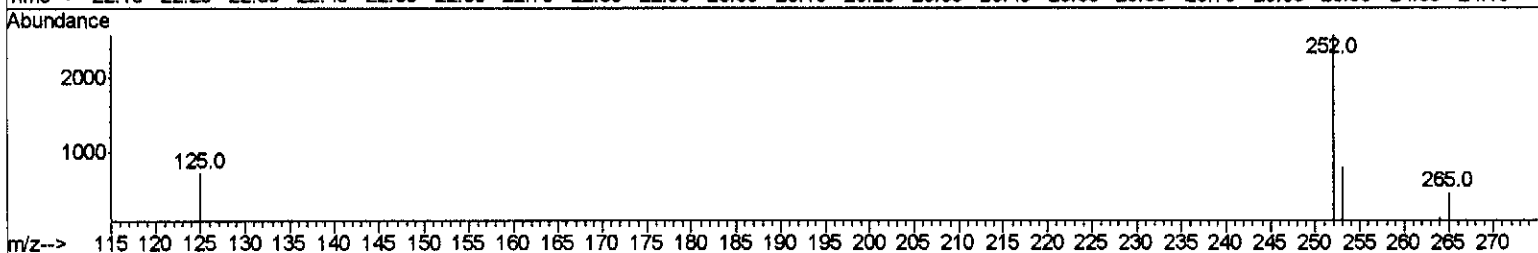
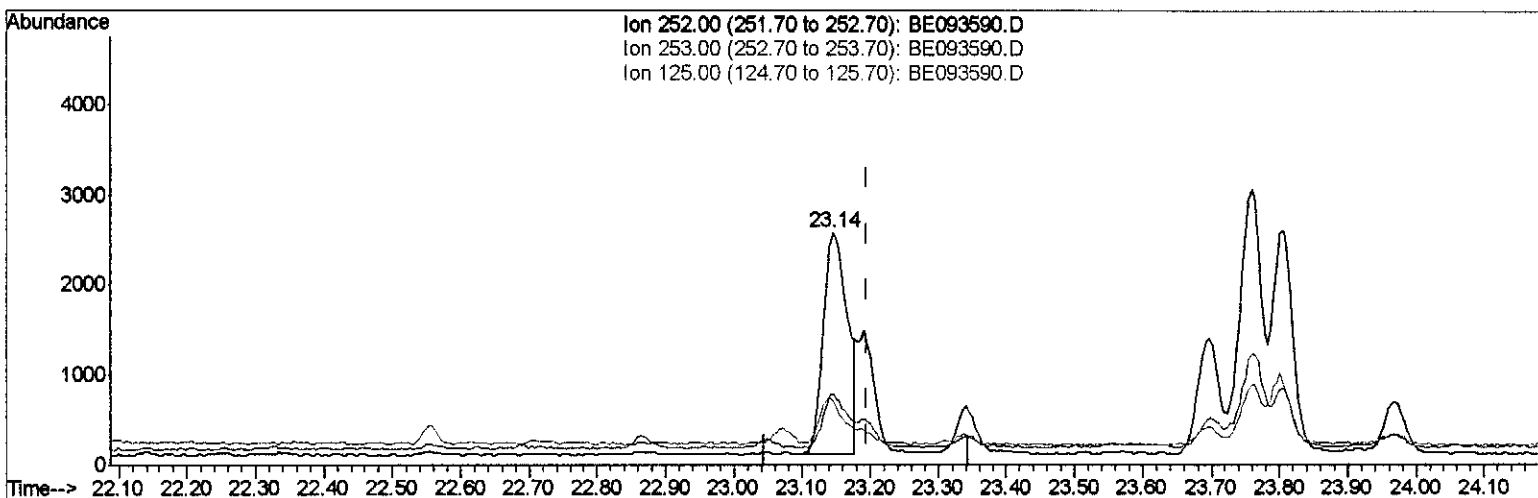
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:13:36 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093590.D

(22) Benzo(k)fluoranthene

23.144min (-0.050) 0.10ng/ul

response 6100

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.97
125.00	17.10	27.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

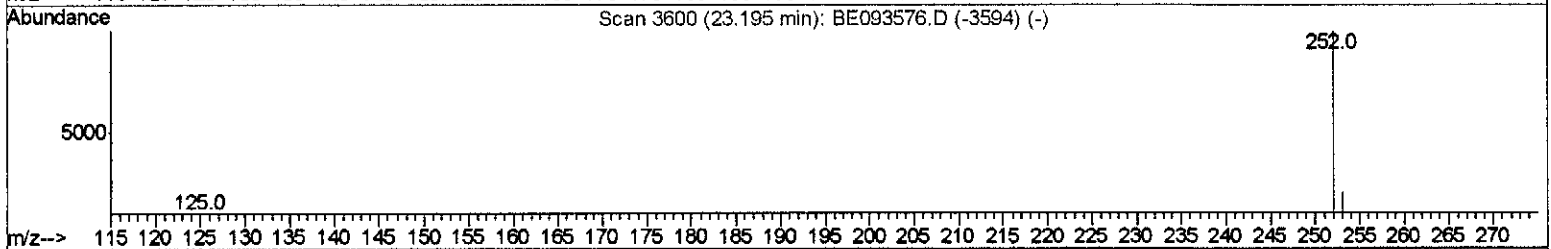
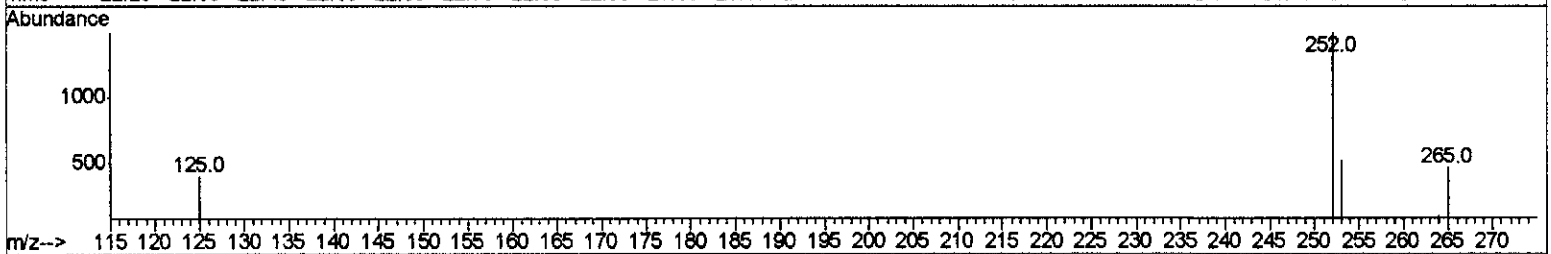
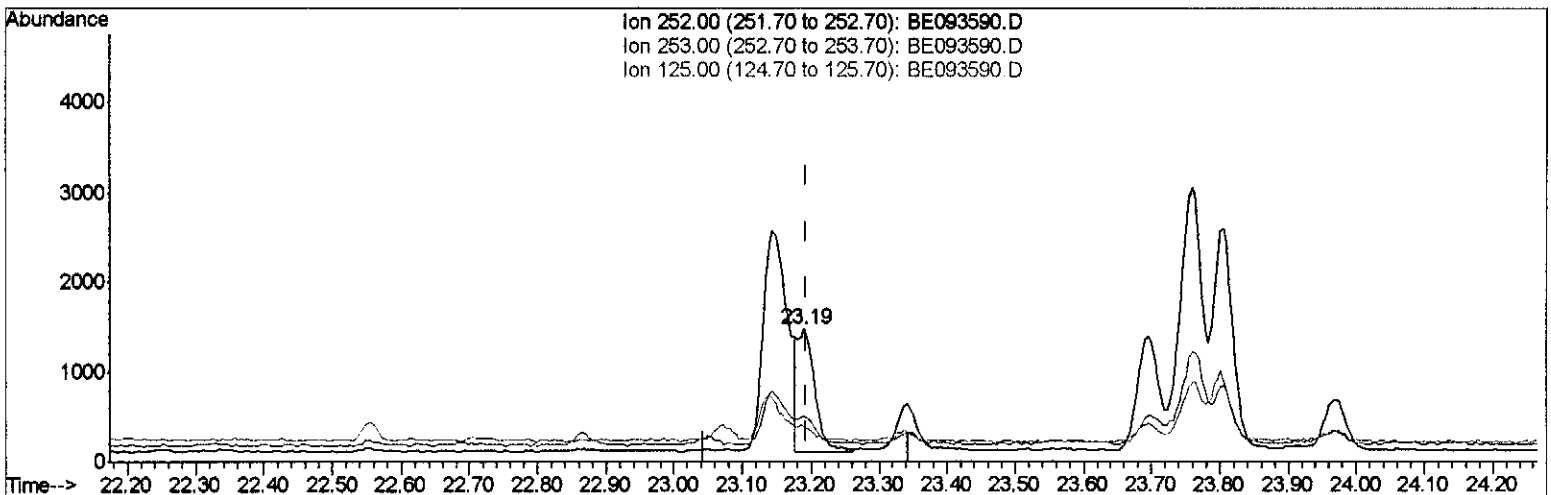
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093590.D
 Acq On : 25 Jul 2017 22:57
 Operator : SJ/JU
 Sample : I4209-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B15

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:13:36 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: BE093590.D

(22) Benzo(k)fluoranthene

23.190min (-0.005) 0.04ng/ul m

SJ 8/8/17

response 2391

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	34.72
125.00	17.10	26.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

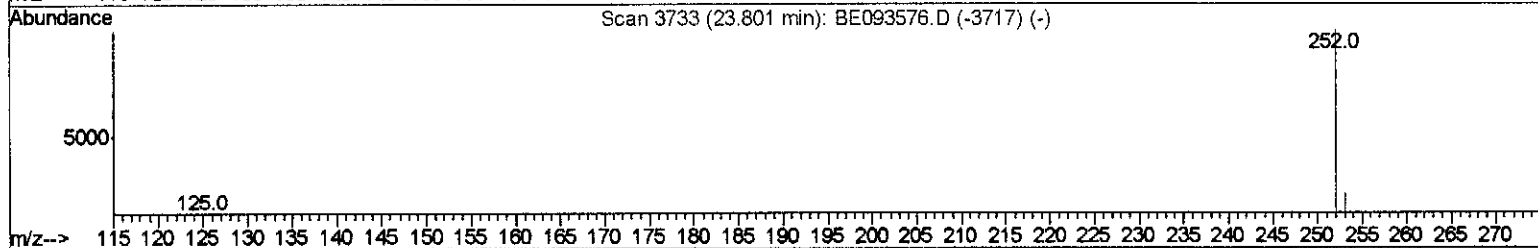
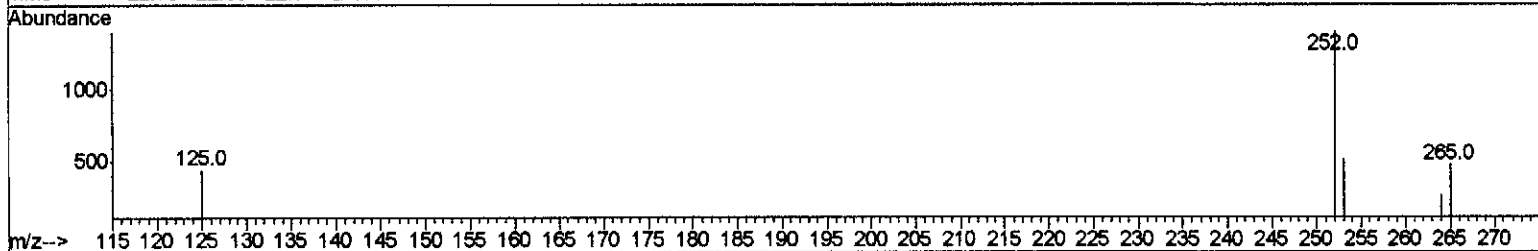
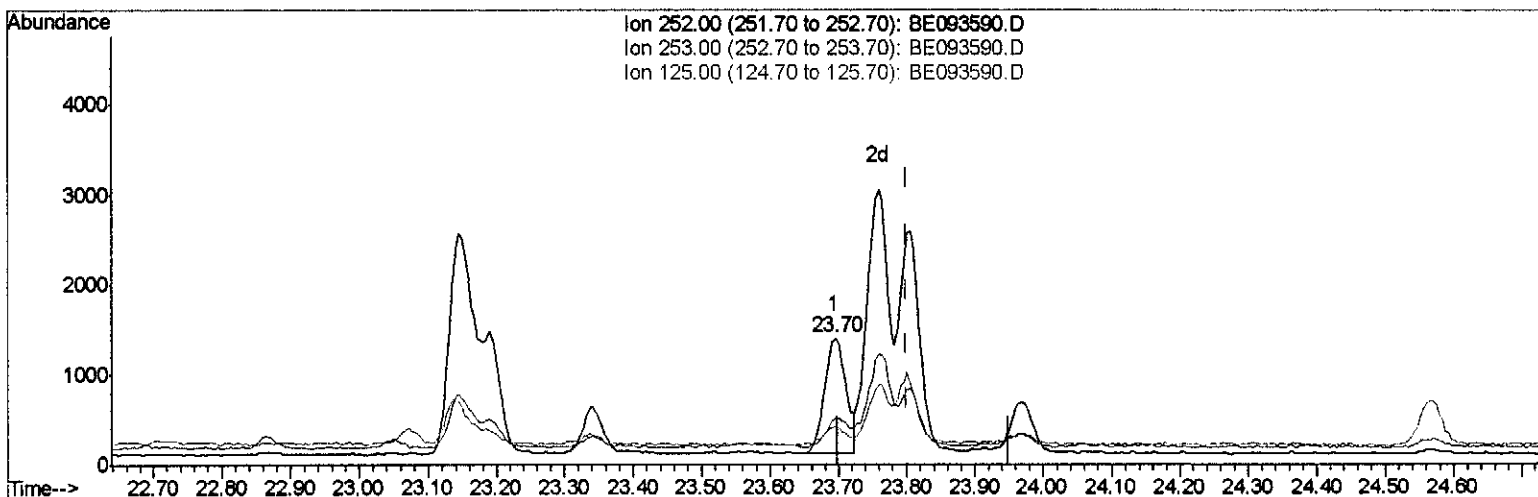
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093590.D
 Acq On : 25 Jul 2017 22:57
 Operator : SJ/JU
 Sample : I4209-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B15

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:13:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093590.D

(23) Benzo(a)pyrene (C)

23.695min (-0.105) 0.05ng/ul

response 2827

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	36.45
125.00	22.60	30.99#
0.00	0.00	0.00

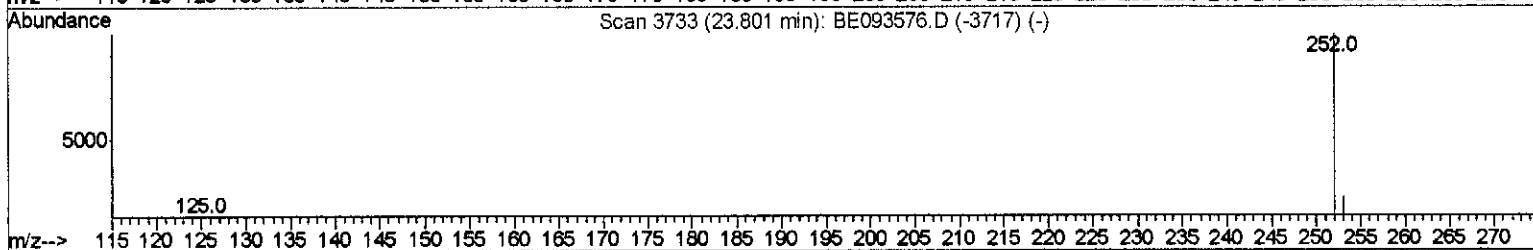
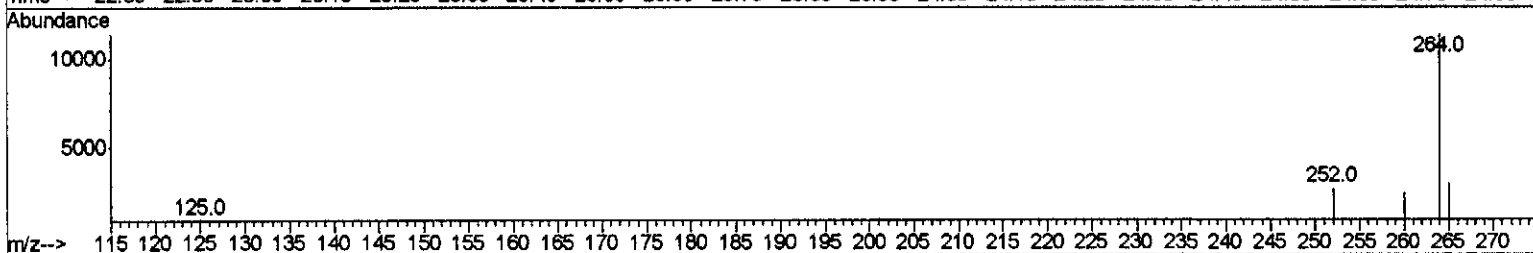
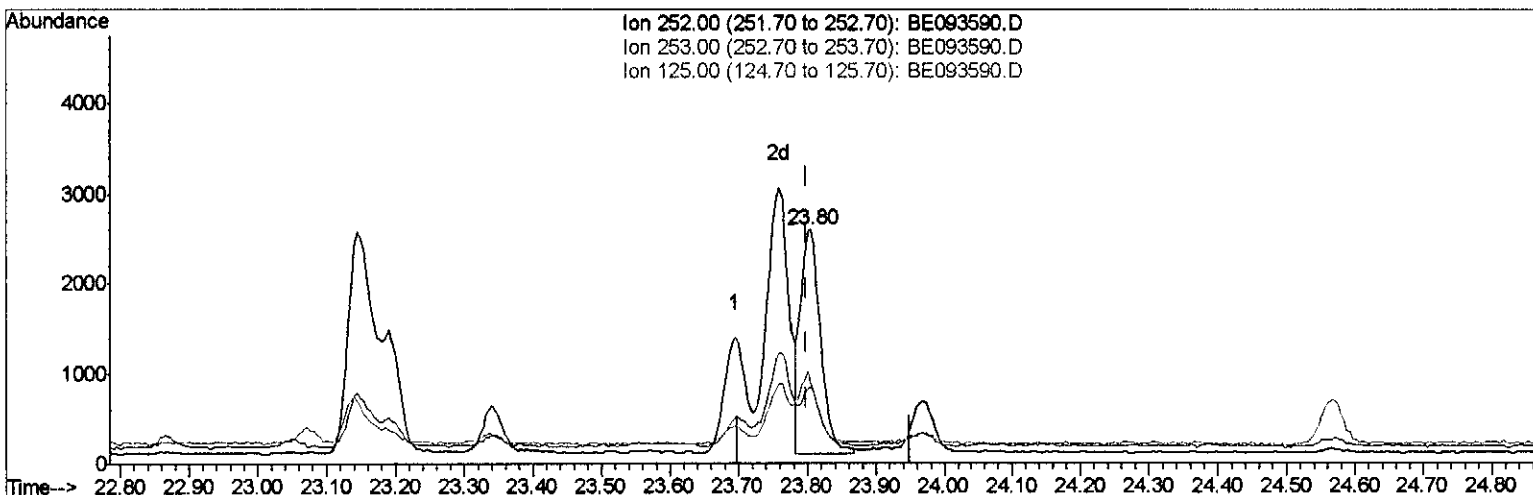
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:13:36 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093590.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.08ng/ul m

SJ 8/8/17

response 5068

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	32.63
125.00	22.60	34.51#
0.00	0.00	0.00

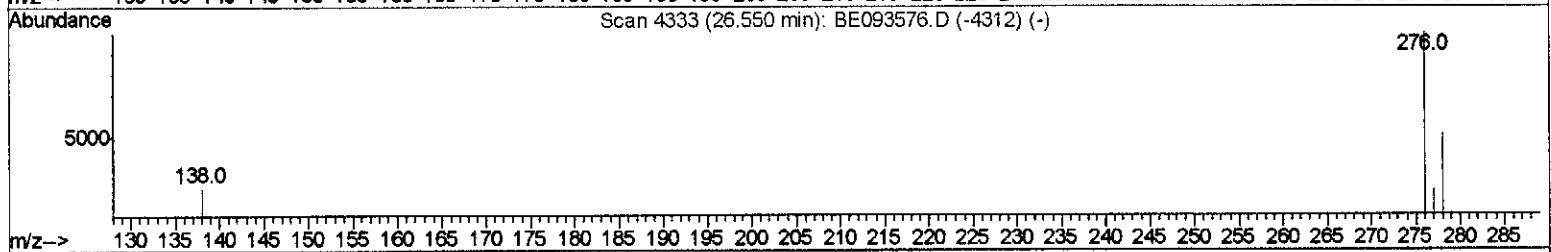
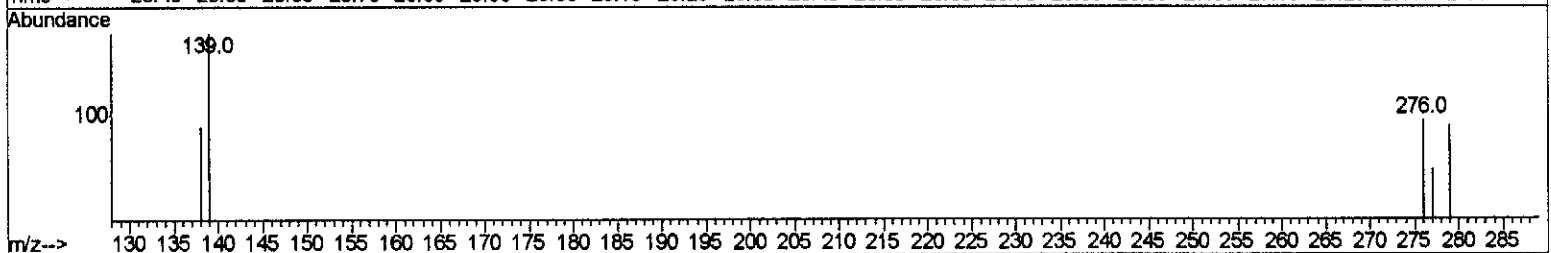
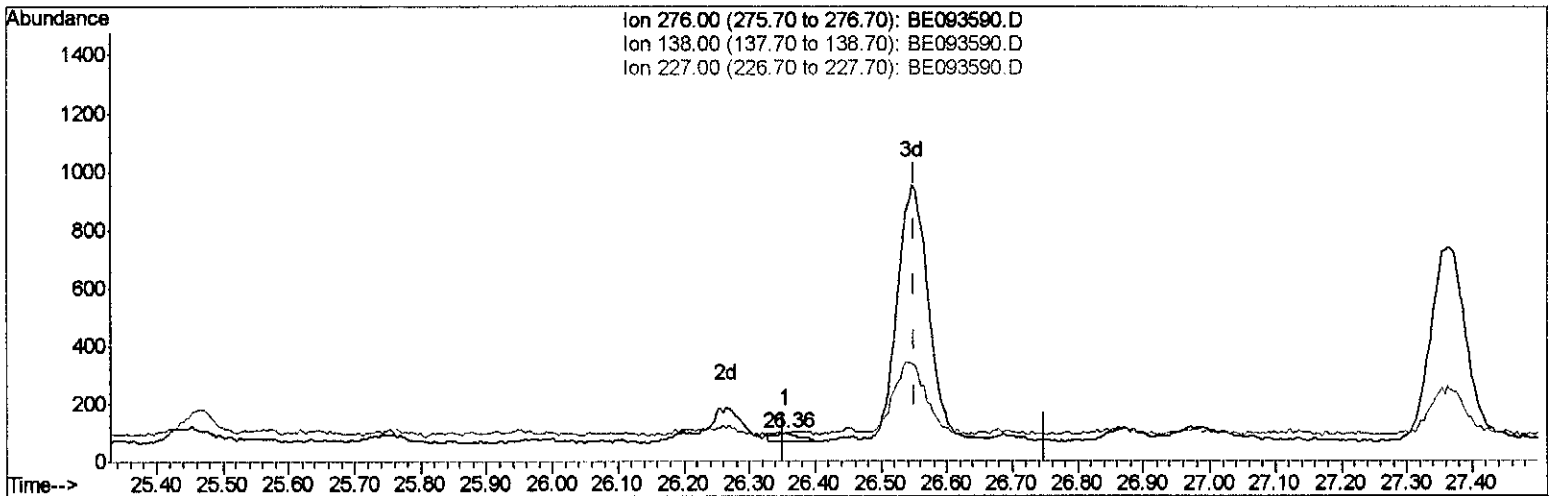
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B15

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:13:36 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093590.D

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

26.355min (-0.196) 0.00ng/ul

response 78

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

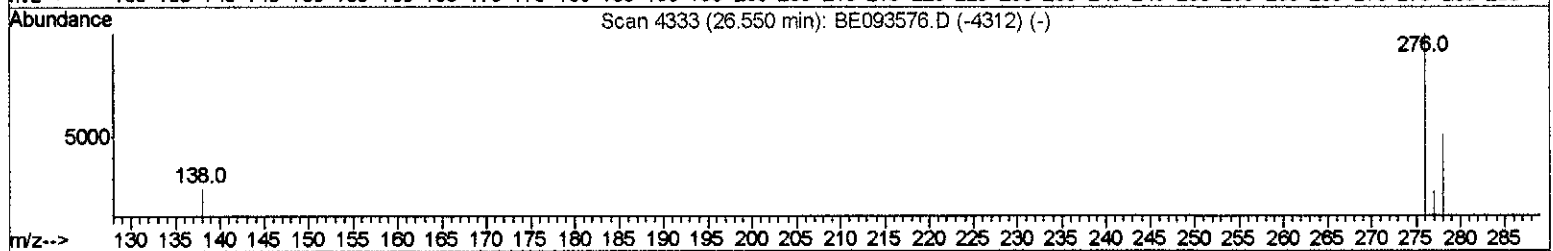
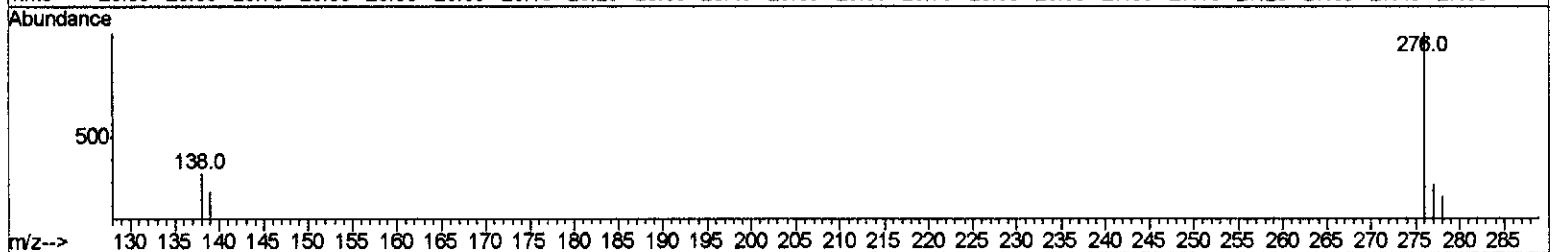
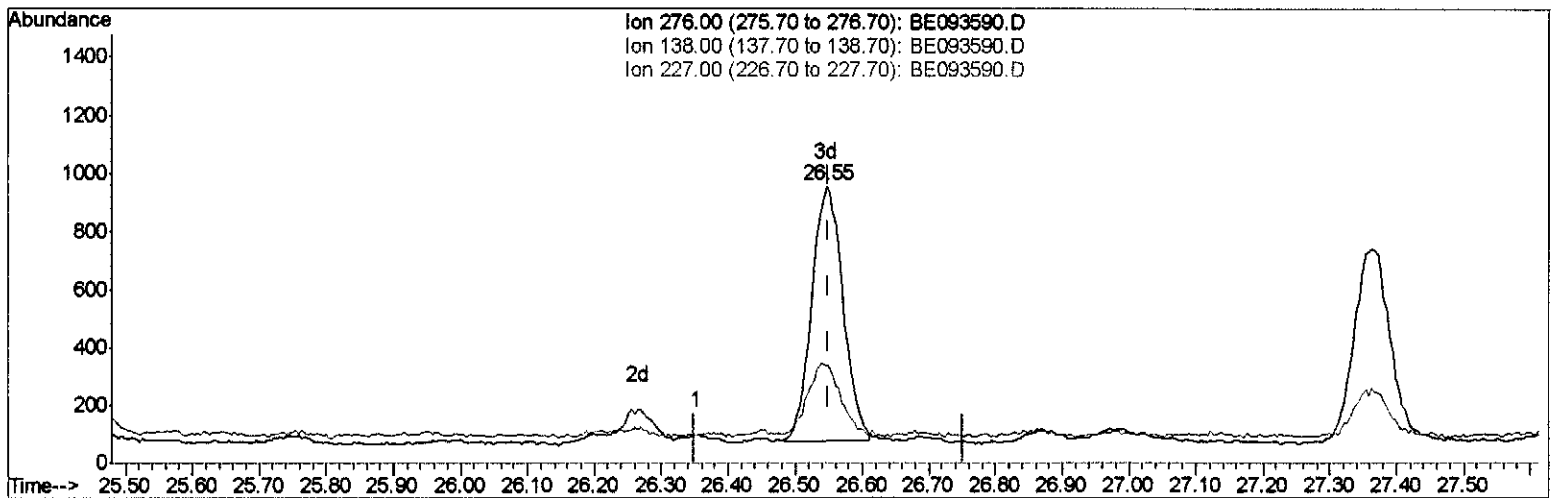
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B15

Manual Integrations
APPROVED

Sohil
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Quant Time: Jul 26 05:13:36 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: BE093590.D

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

26.547min (-0.005) 0.04ng/ul m

SJ 8/8/17

response 2853

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

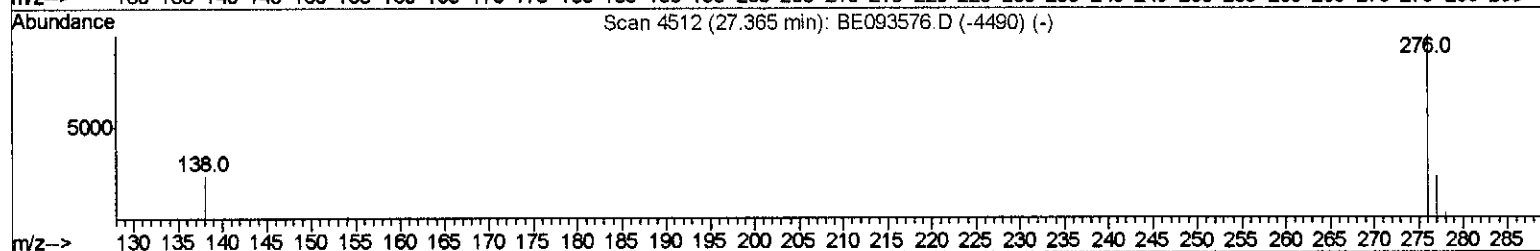
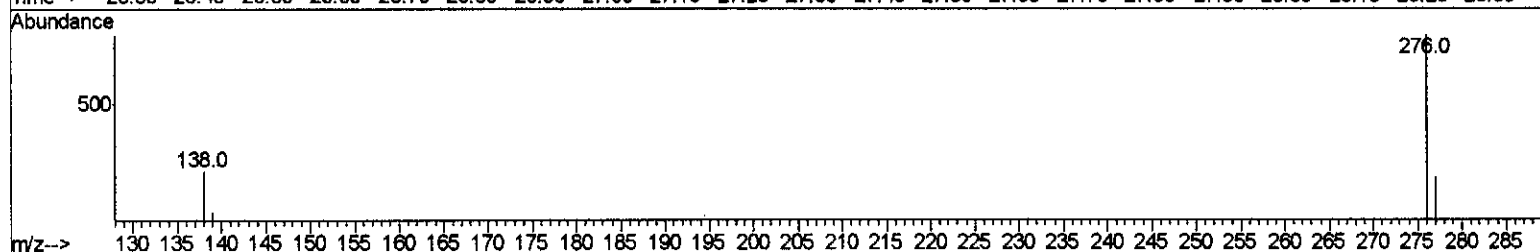
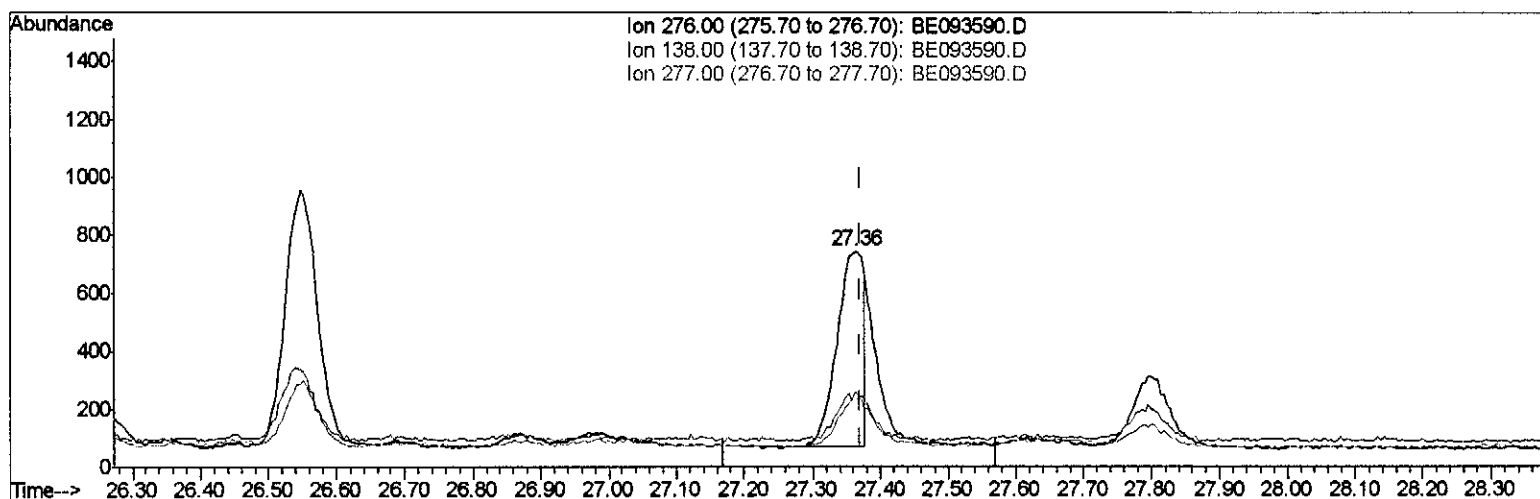
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093590.D
Acq On : 25 Jul 2017 22:57
Operator : SJ/JU
Sample : I4209-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B15

Manual Integrations
APPROVED

Sohil
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Quant Time: Jul 26 05:13:36 2017
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TIC: BE093590.D

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

27.362min (-0.009) 0.03ng/ul

response 1840

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	35.08#
277.00	25.60	31.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

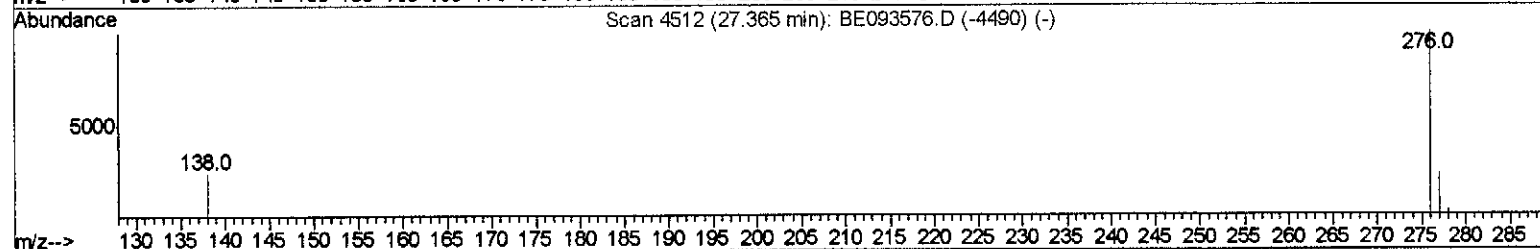
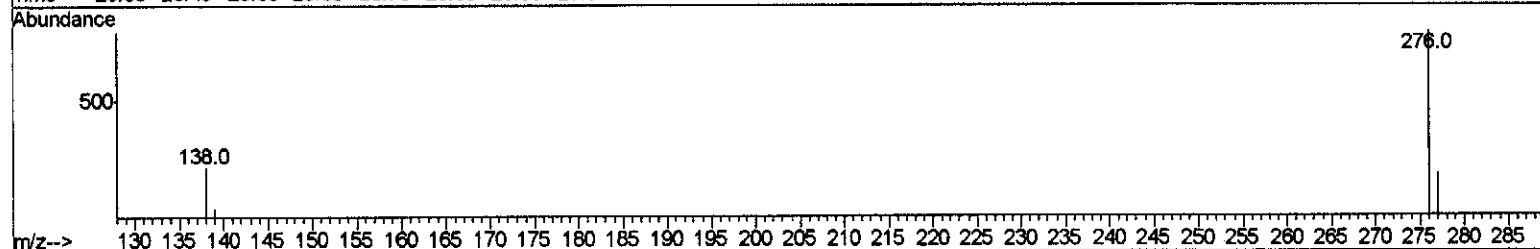
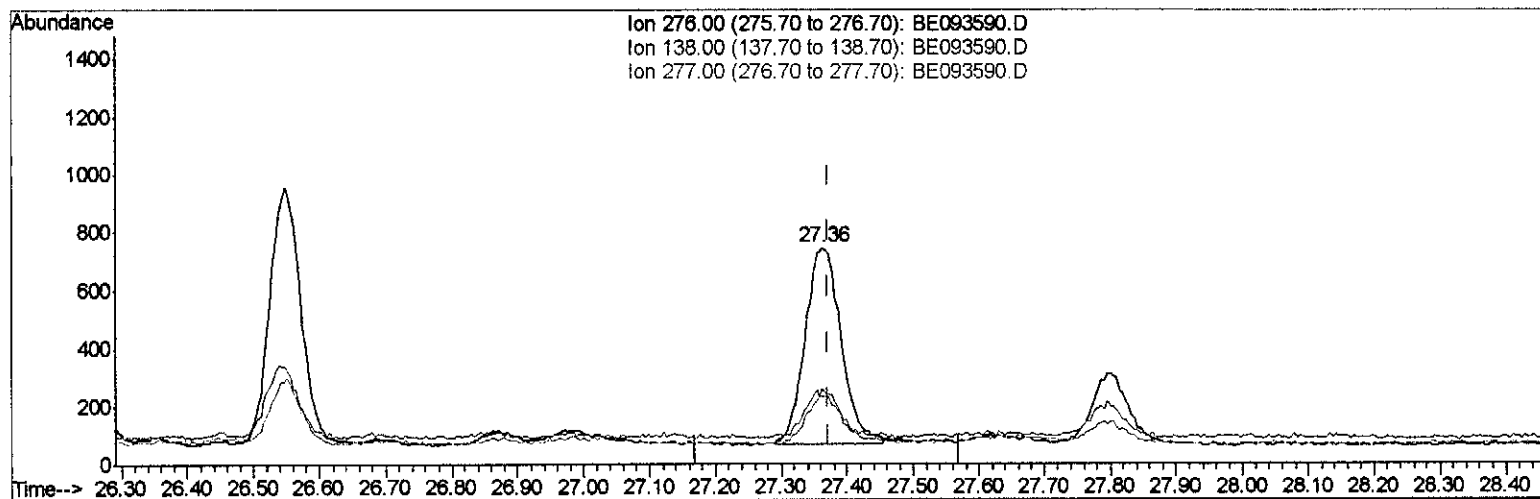
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093590.D
 Acq On : 25 Jul 2017 22:57
 Operator : SJ/JU
 Sample : I4209-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B15

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:13:36 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: BE093590.D

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

27.362min (-0.009) 0.05ng/ul m

SJ 8/8/17

response 2554

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	35.08#
277.00	25.60	31.59#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093590.D
 Acq On : 25 Jul 2017 22:57
 Operator : SJ/JU
 Sample : I4209-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B15

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:09 PM

Quant Time: Jul 26 05:16:03 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	7.92	152	2750	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	14426	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	9663	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	22338m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	23887	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	20604m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Methylnaphthalene-d10	12.29	152	7841	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	23229	0.33	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.76	128	1786	0.051	ng/ul#	90
7) Acenaphthylene	14.25	152	1027	0.025	ng/ul#	89
12) Phenanthrene	17.29	178	1373	0.023	ng/ul#	91
15) Fluoranthene	19.30	202	6805	0.089	ng/ul	85
17) Pyrene	19.67	202	5604m	0.080	ng/ul	
18) Benzo(a)anthracene	21.40	228	4435	0.064	ng/ul#	87
19) Chrysene	21.45	228	3203	0.048	ng/ul	94
21) Benzo(b)fluoranthene	23.14	252	6100	0.096	ng/ul	91
22) Benzo(k)fluoranthene	23.19	252	2391m	0.038	ng/ul	
23) Benzo(a)pyrene	23.80	252	5068m	0.084	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	2853m	0.043	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	2554m	0.045	ng/ul	

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