

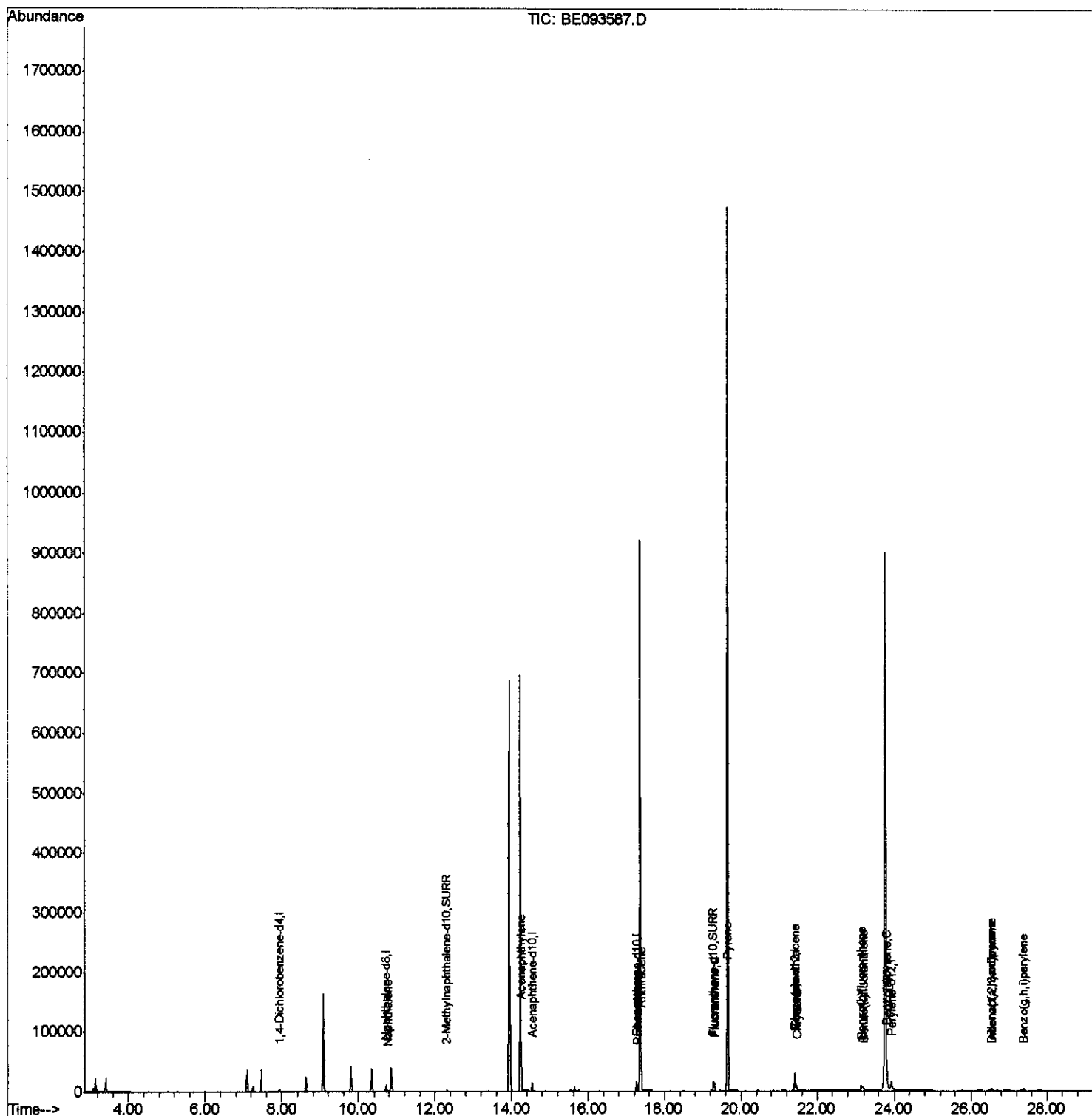
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 10:33:56 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



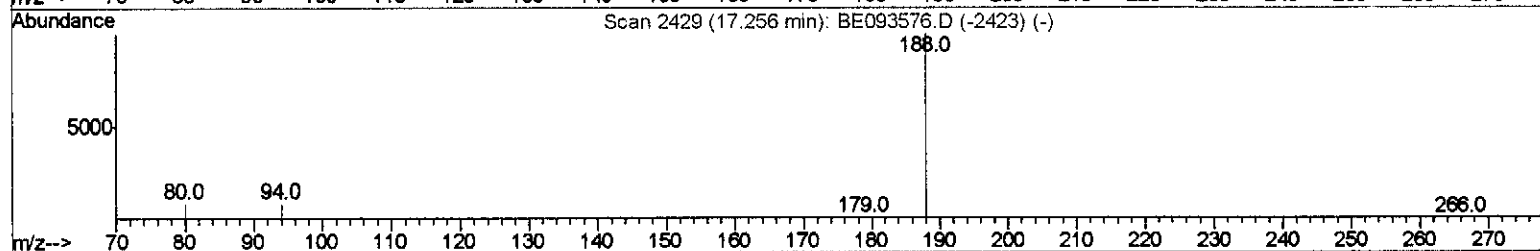
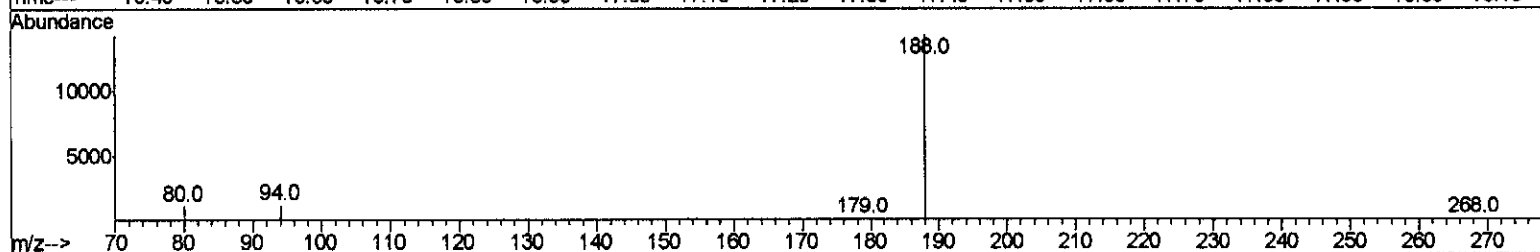
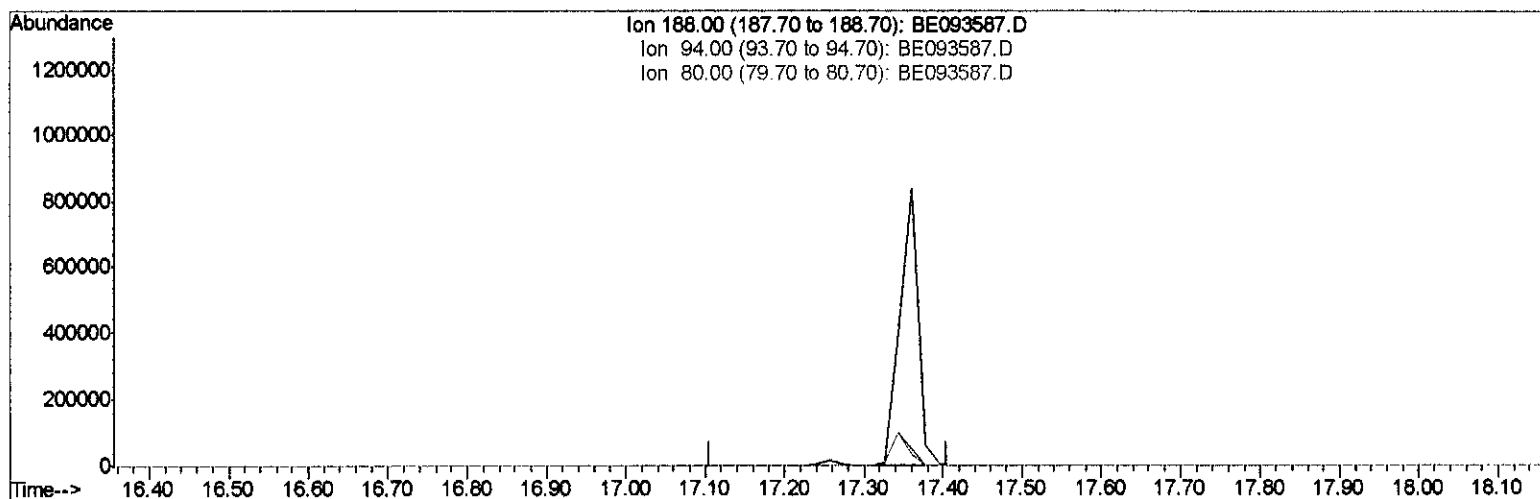
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 02:49:21 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: BE093587.D

(10) Phenanthrene-d10 (I)

17.256min (-17.256) 0.00ng/ui

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

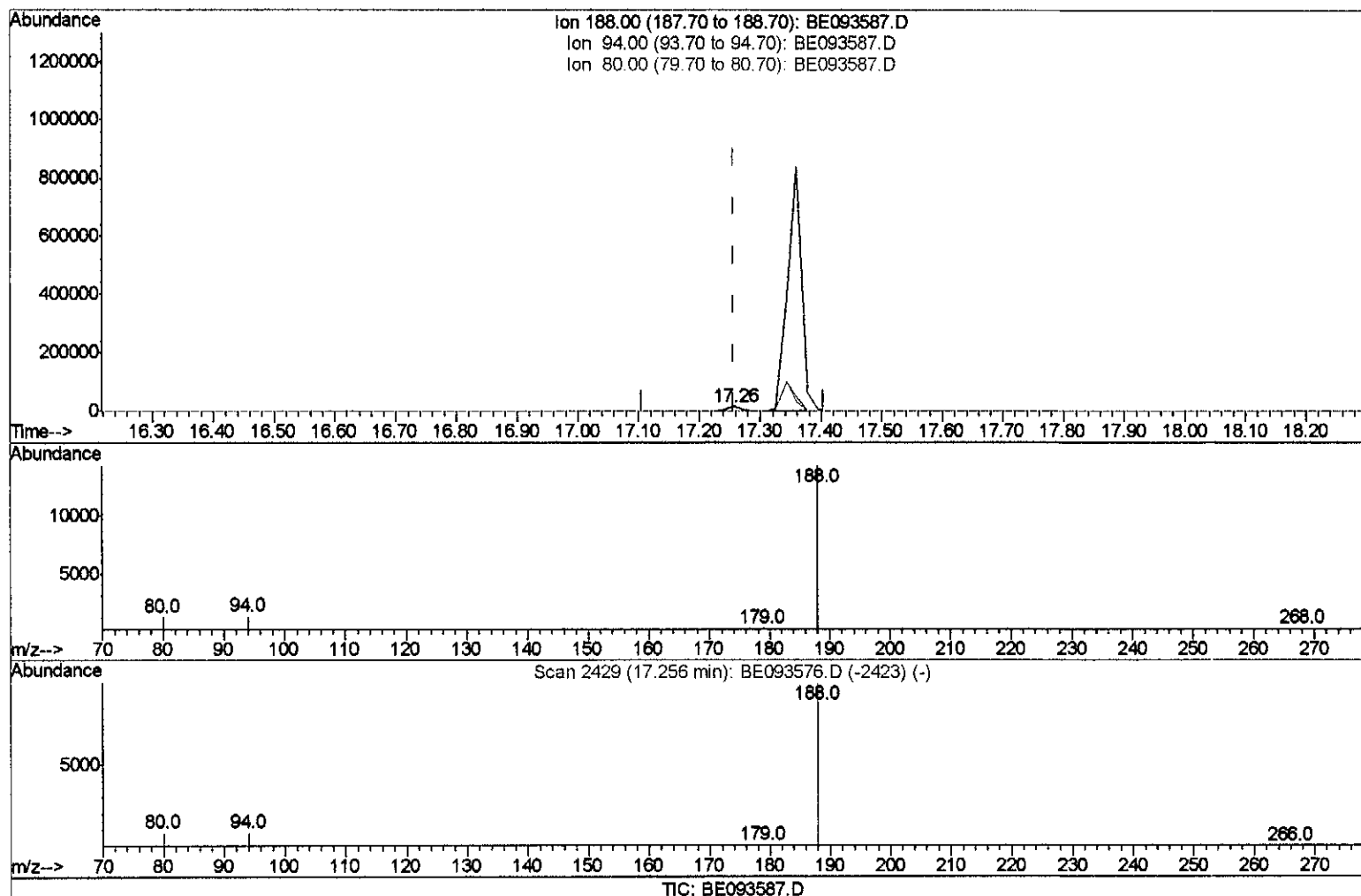
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 02:49:21 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



(10) Phenanthrene-d10 (I)

17.256min (+0.000) 0.40ng/ul m

SJ 8/8/17

response 20702

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.21#
80.00	11.80	7.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

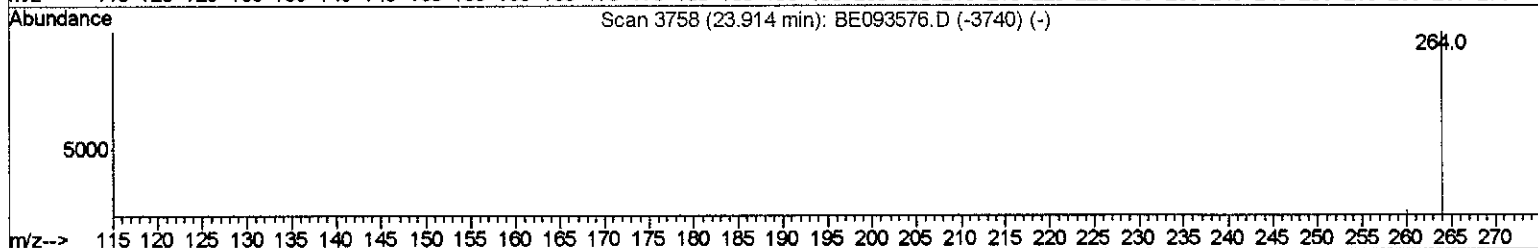
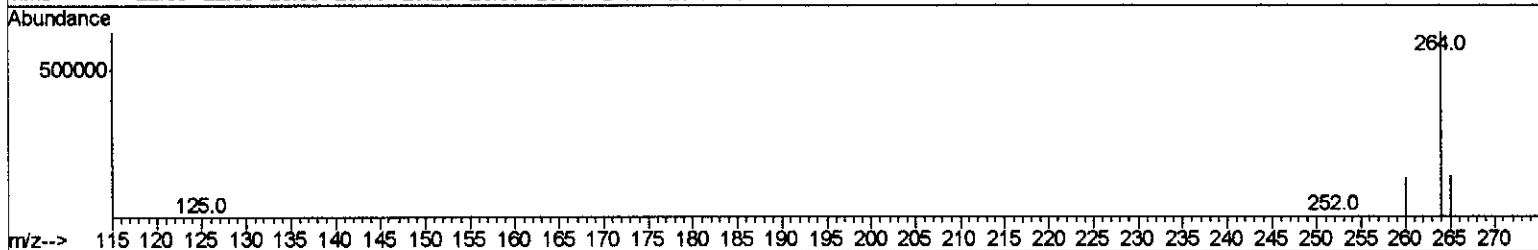
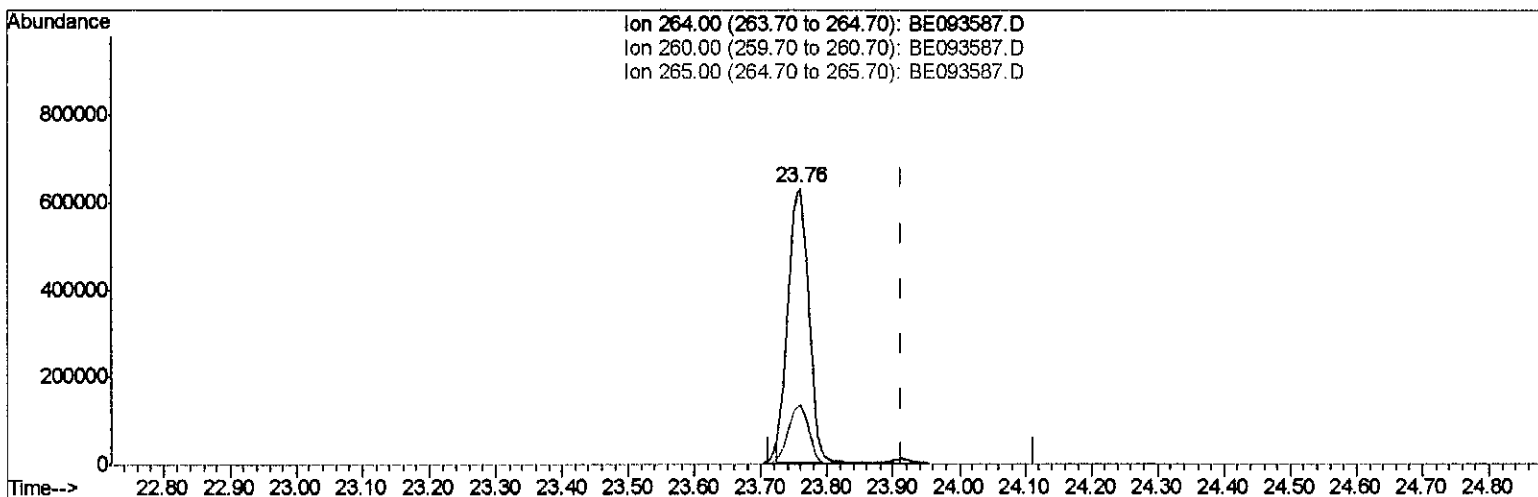
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:30:54 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: BE093587.D

(20) Perylene-d12 (I)

23.760min (-0.154) 0.40ng/ul

response 1366179

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.80#
265.00	103.50	21.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

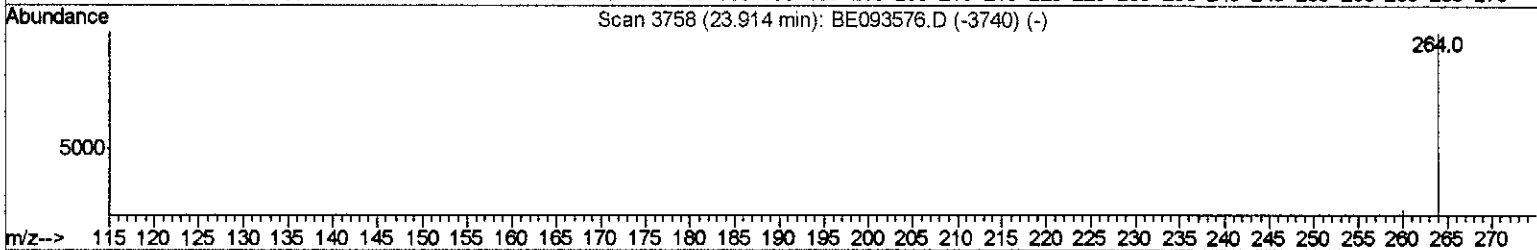
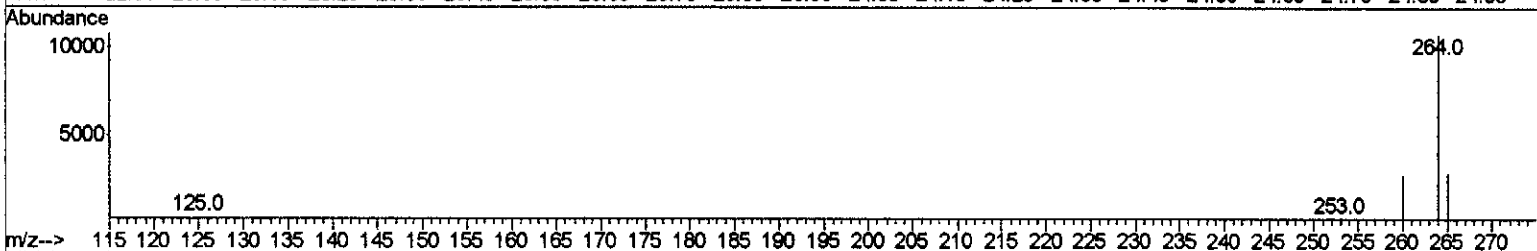
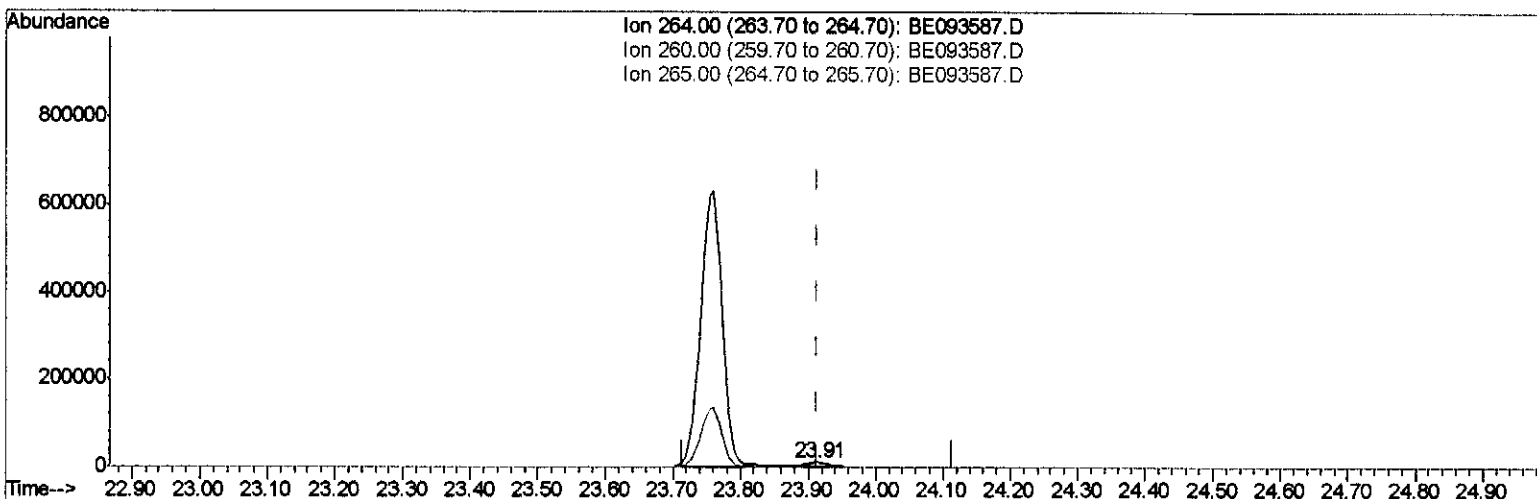
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093587.D
 Acq On : 25 Jul 2017 21:06
 Operator : SJ/JU
 Sample : I4209-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B24

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:30:54 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: BE093587.D

(20) Perylene-d12 (I)

23.915min (+0.001) 0.40ng/ul m SJ 8/8/17

response 20282

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.70
265.00	103.50	25.87#
0.00	0.00	0.00

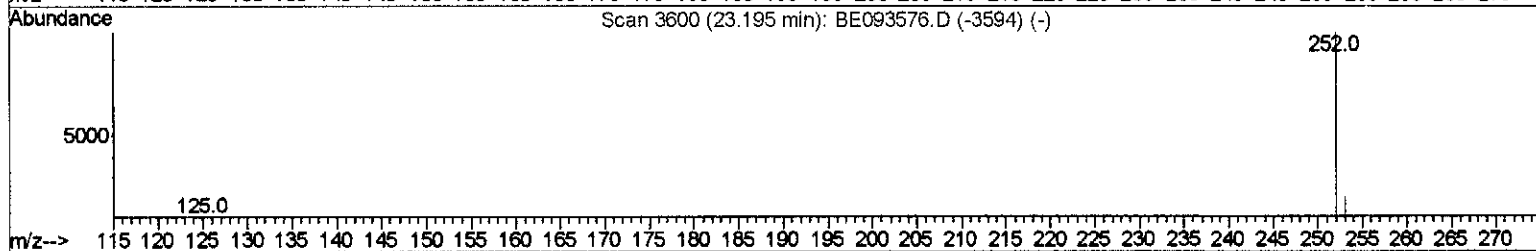
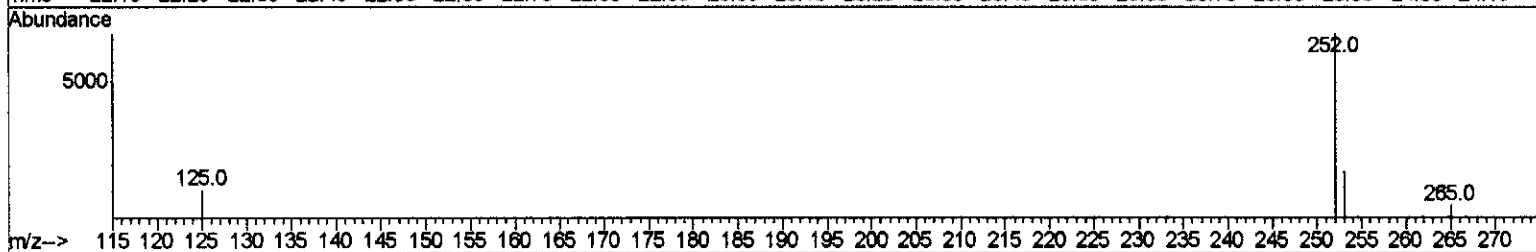
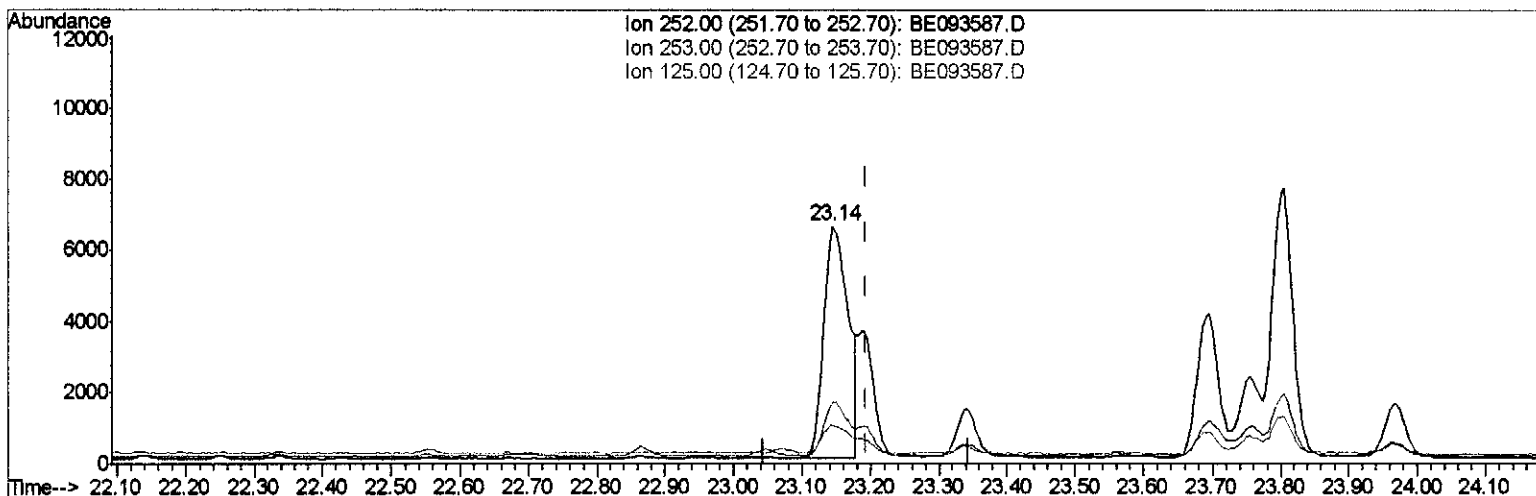
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

(22) Benzo(k)fluoranthene

23.145min (-0.050) 0.26ng/ui

response 16294

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.71
125.00	17.10	16.20
0.00	0.00	0.00

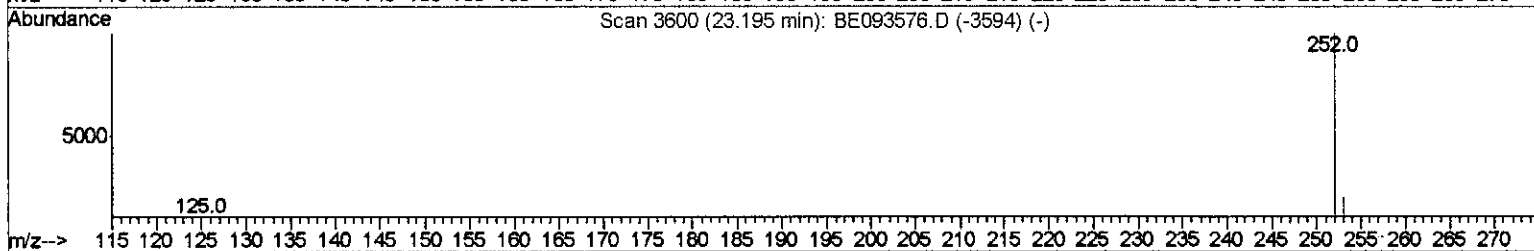
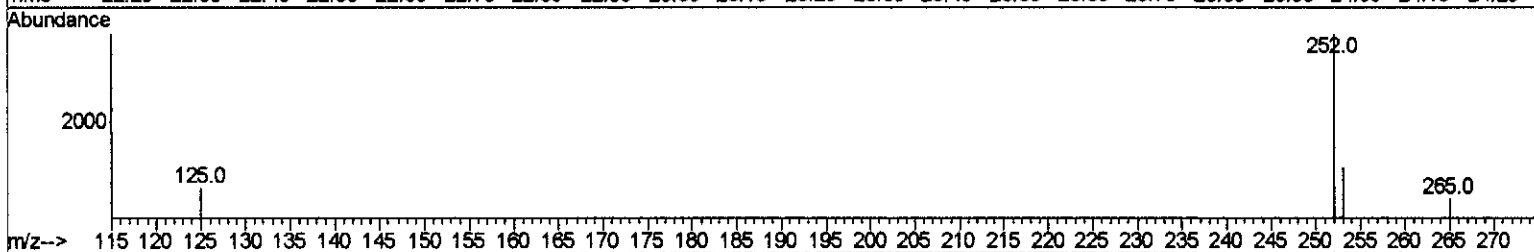
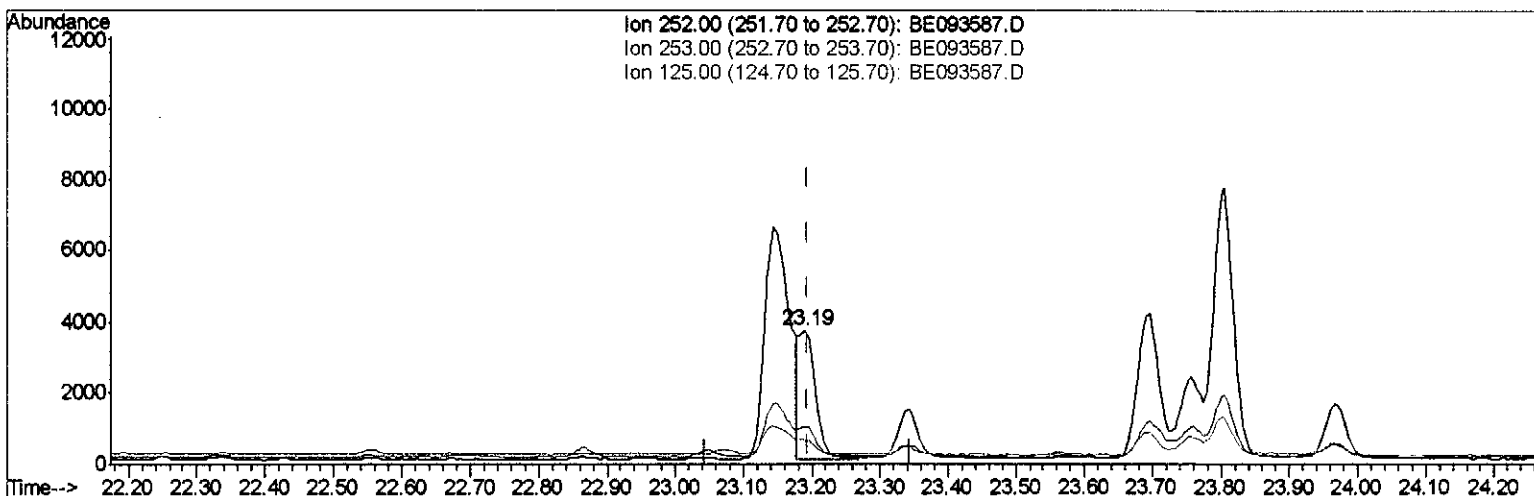
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

(22) Benzo(k)fluoranthene

23.190min (-0.004) 0.10ng/ul m

SJ 8/1/17

response 6209

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.59
125.00	17.10	18.46
0.00	0.00	0.00

Quantitation Report (Qedit)

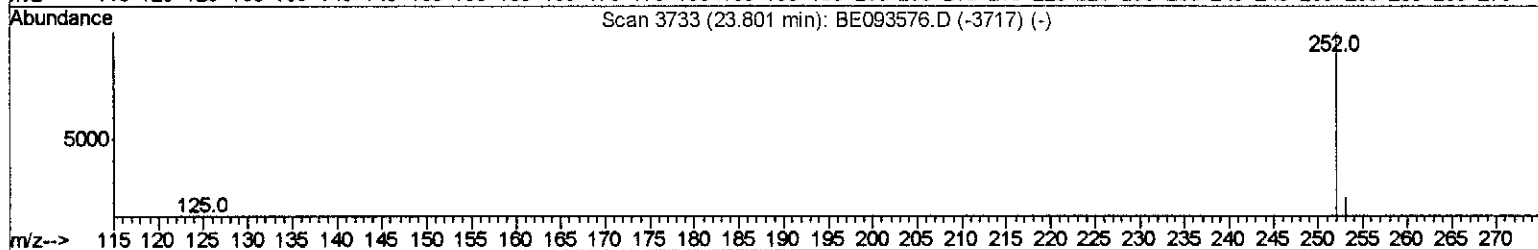
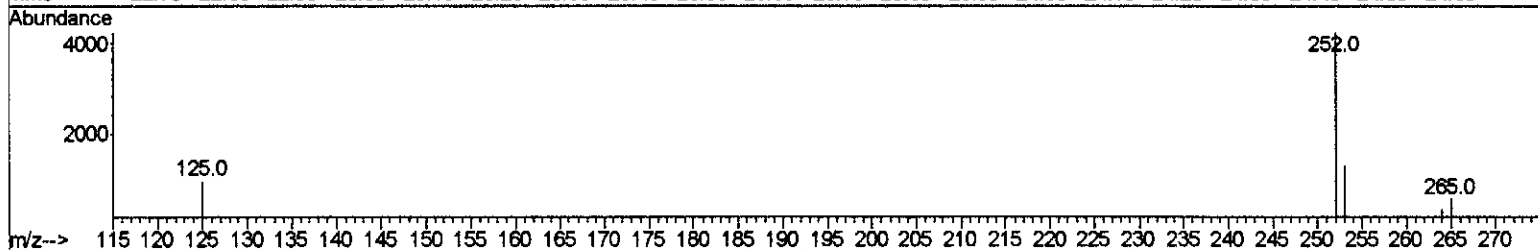
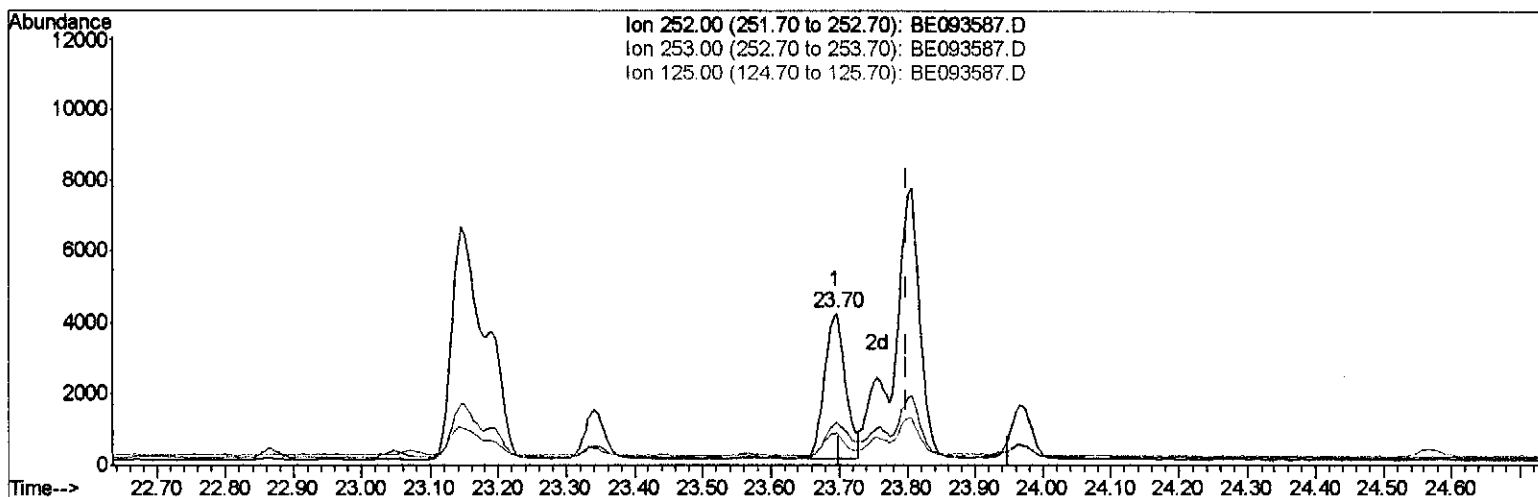
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

(23) Benzo(a)pyrene (C)

23.696min (-0.104) 0.15ng/ul

response 9113

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.44
125.00	22.60	21.74
0.00	0.00	0.00

Quantitation Report (Qedit)

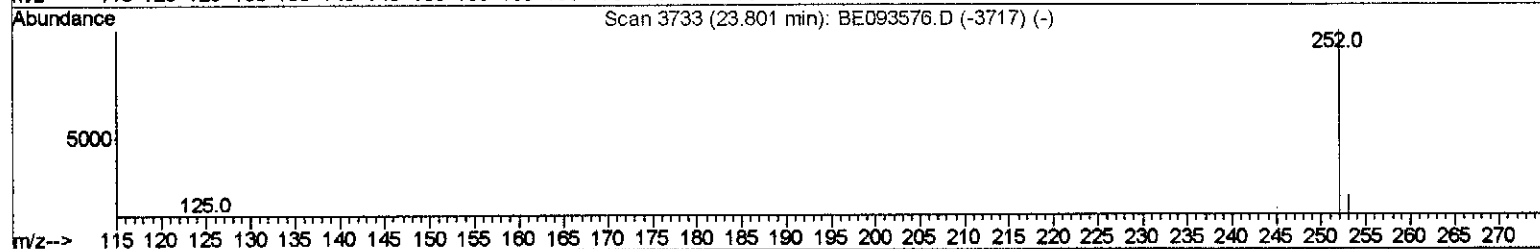
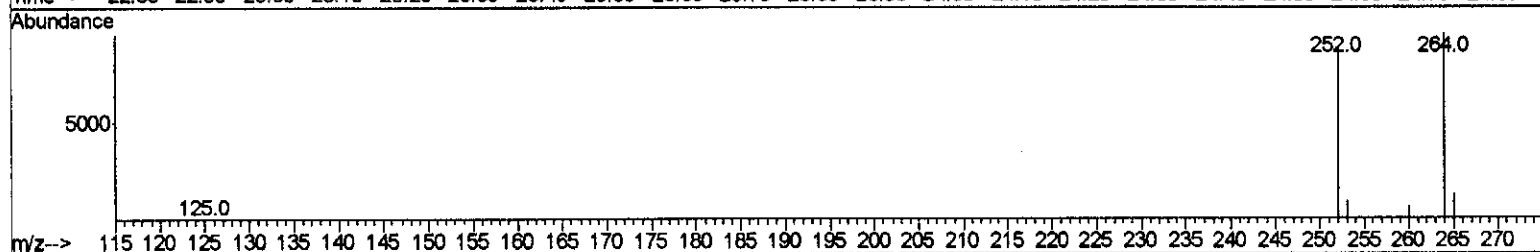
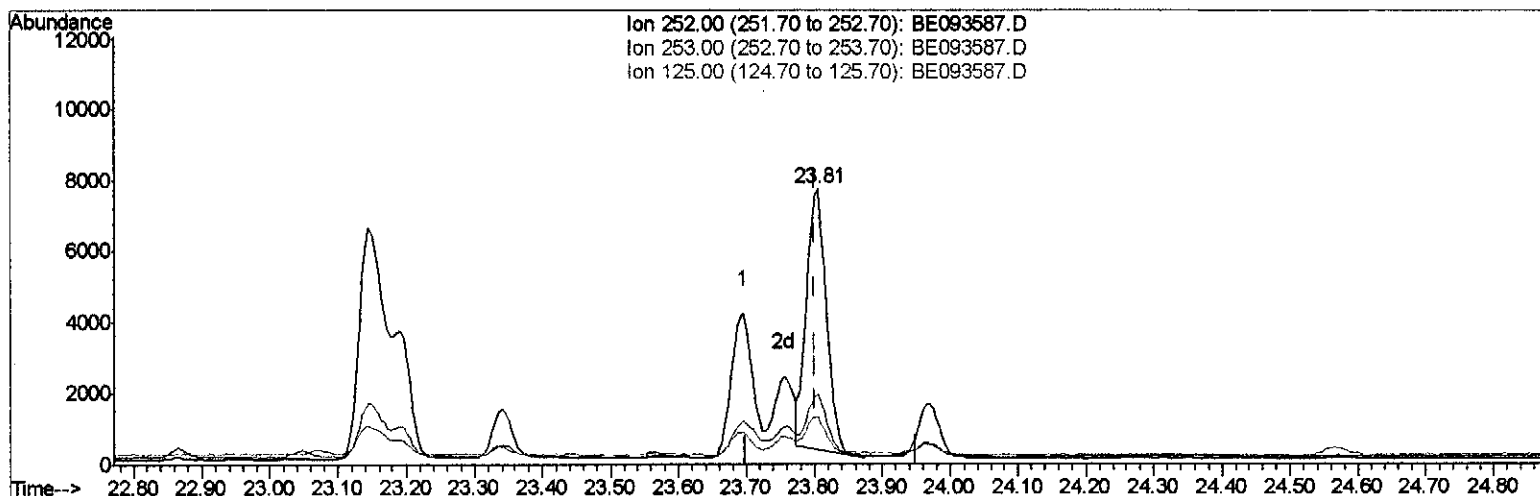
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093587.D
 Acq On : 25 Jul 2017 21:06
 Operator : SJ/JU
 Sample : I4209-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B24

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.25ng/ul m

SJ 8/8/17

response 14777

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.61#
125.00	22.60	17.07#
0.00	0.00	0.00

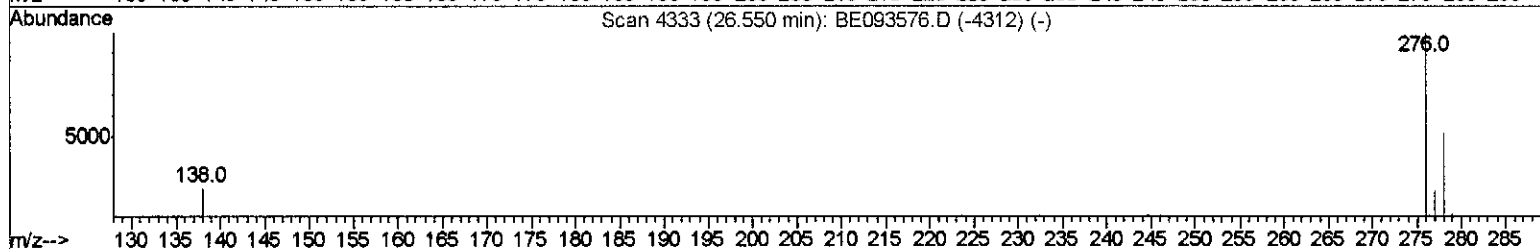
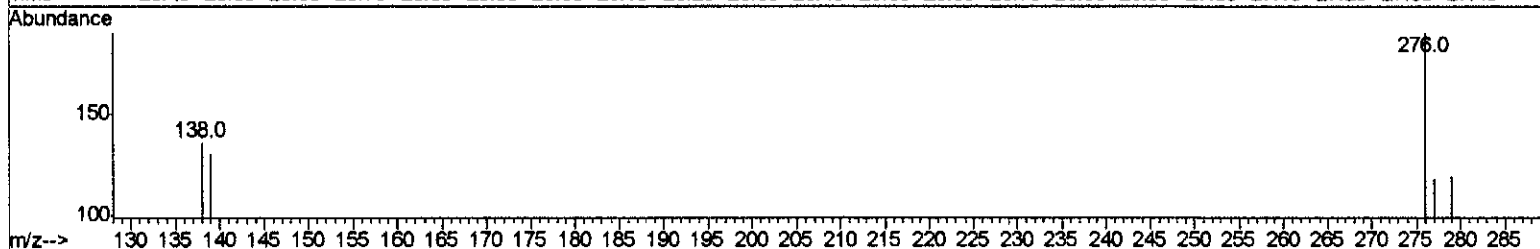
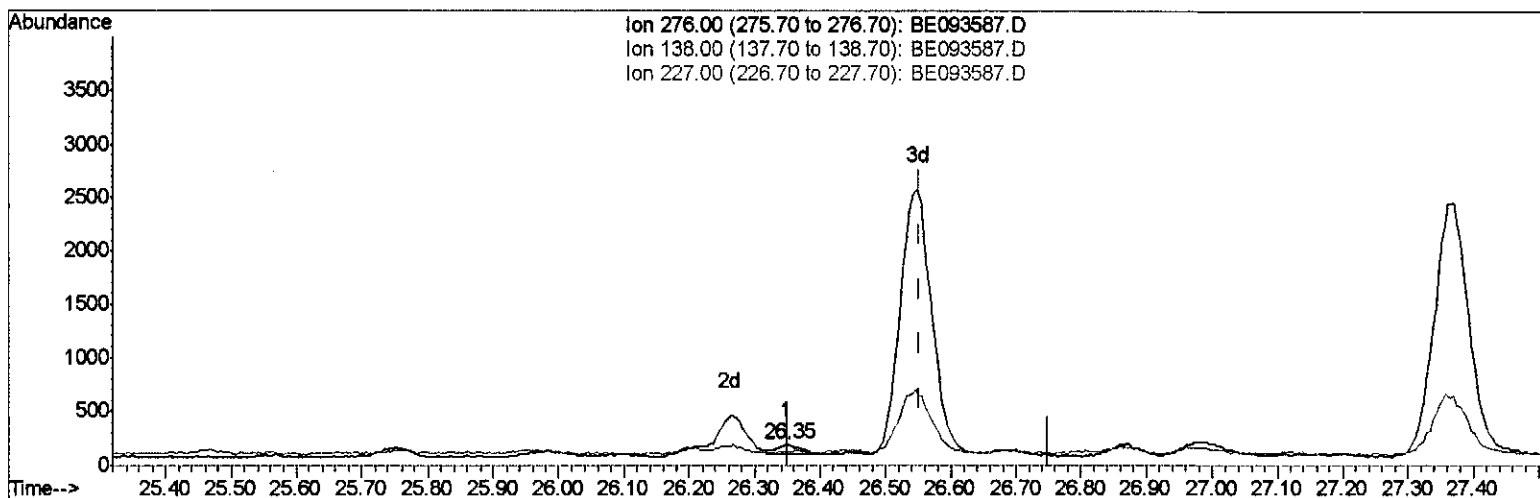
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

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

26.349min (-0.202) 0.00ng/ul

response 247

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

Quantitation Report (Qedit)

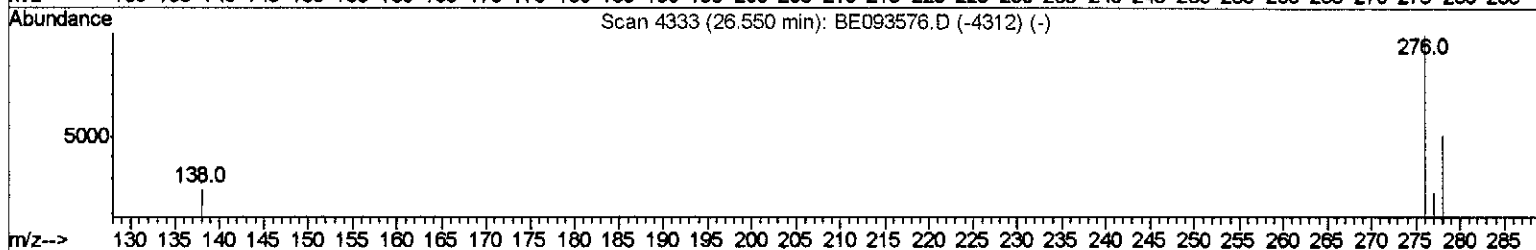
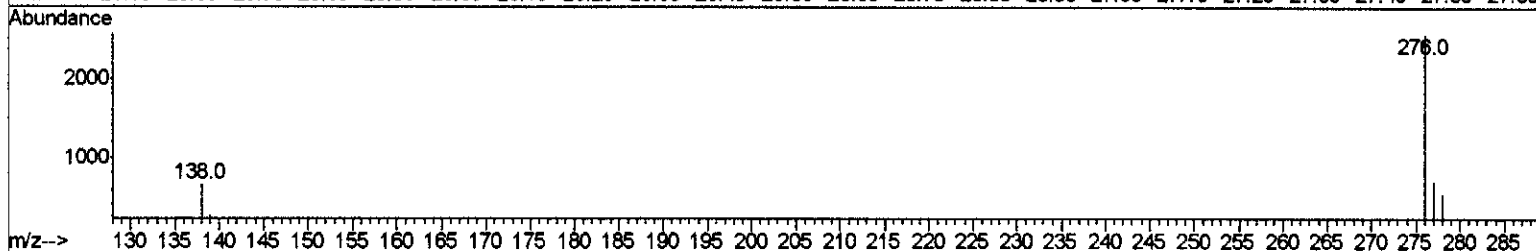
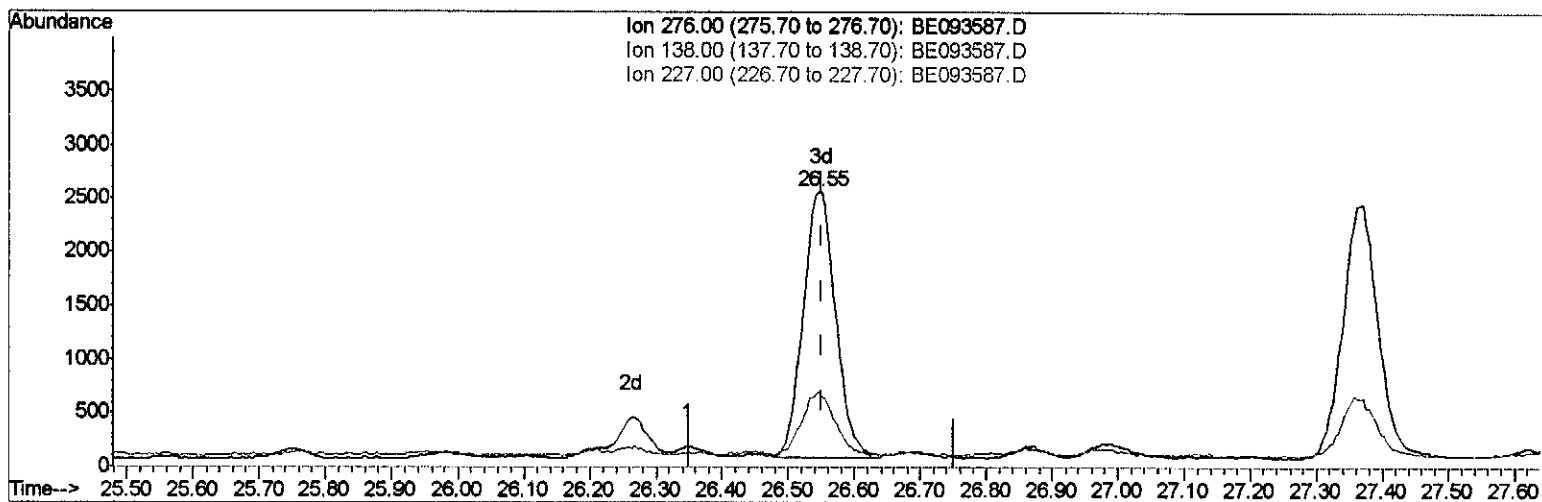
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

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

26.550min (-0.001) 0.13ng/ul m

SJ 8/8/17

response 8365

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

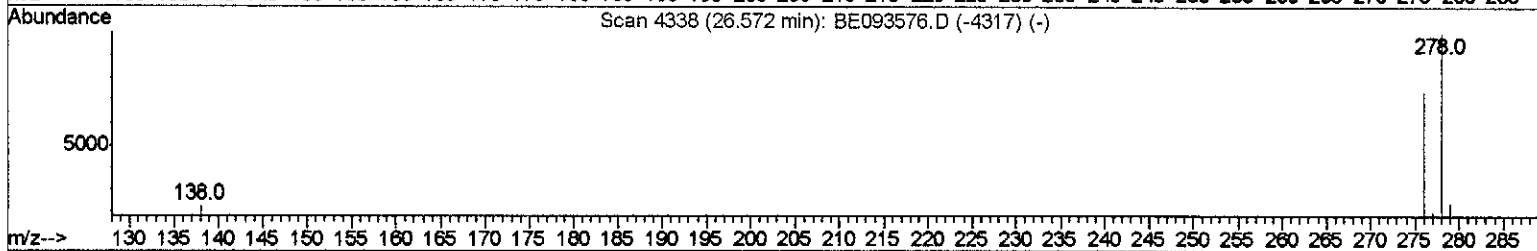
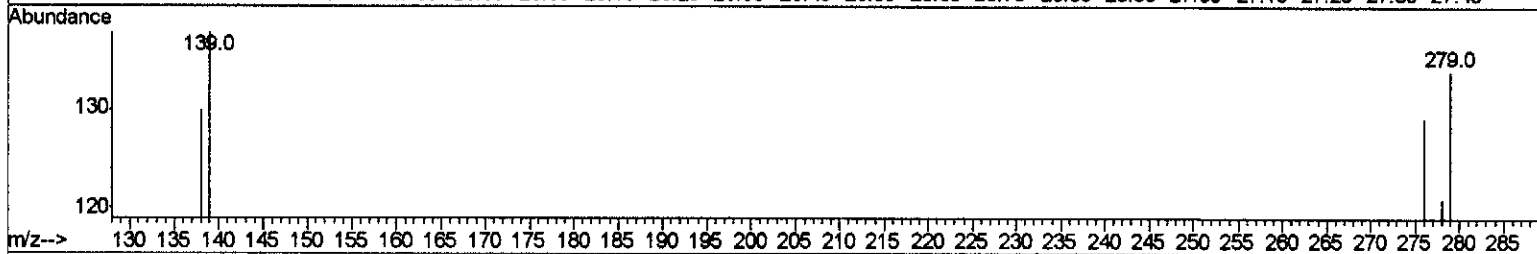
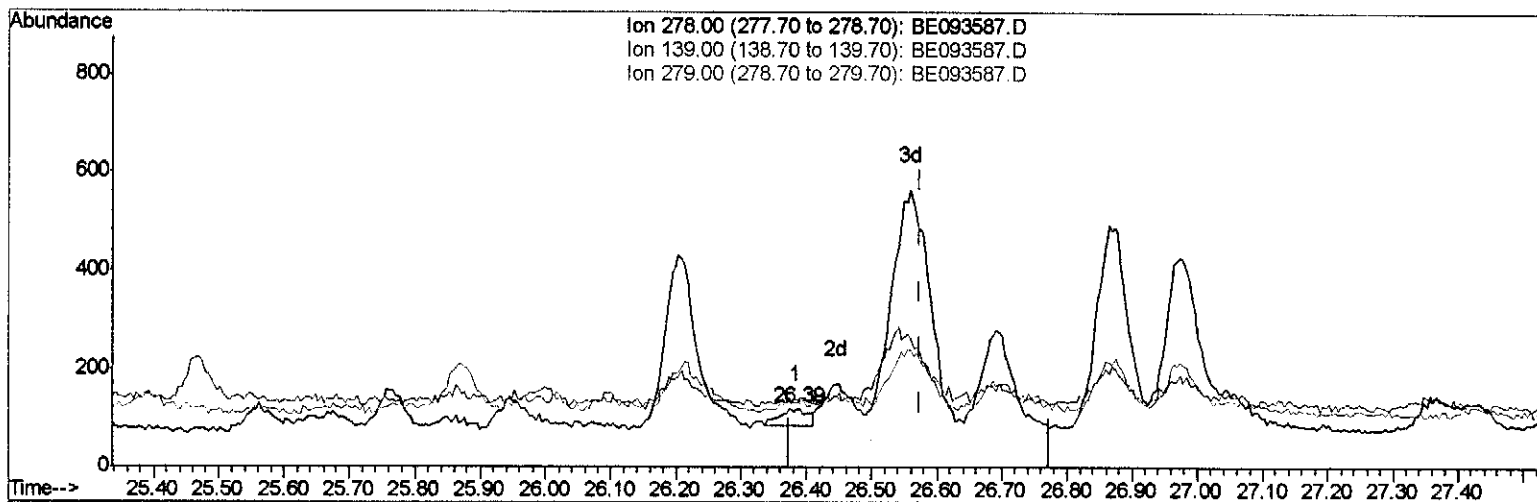
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093587.D

(25) Dibenzo(a,h)anthracene

26.386min (-0.188) 0.00ng/ui

response 104

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	114.05#
279.00	32.40	110.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

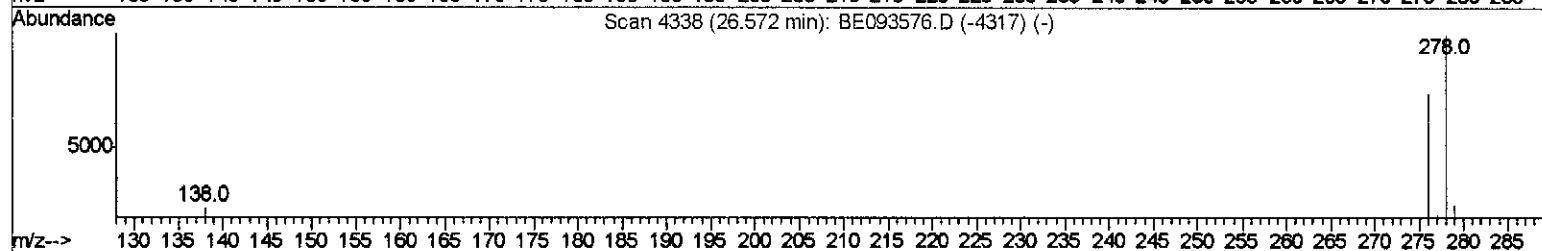
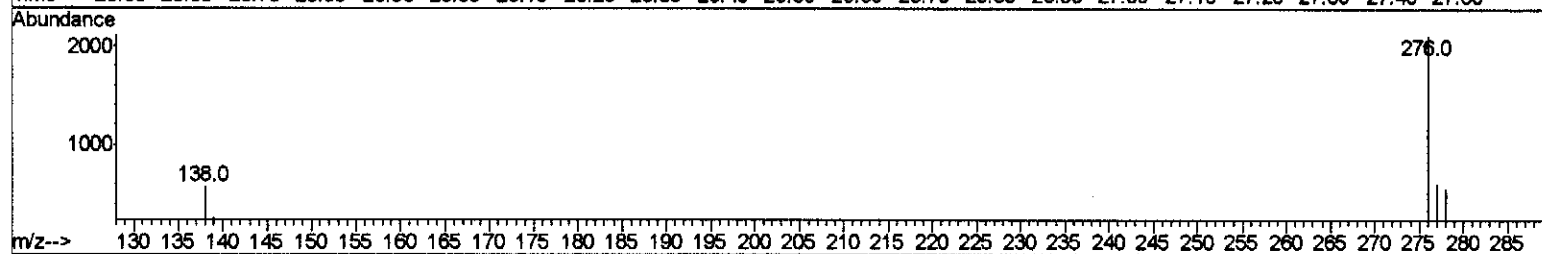
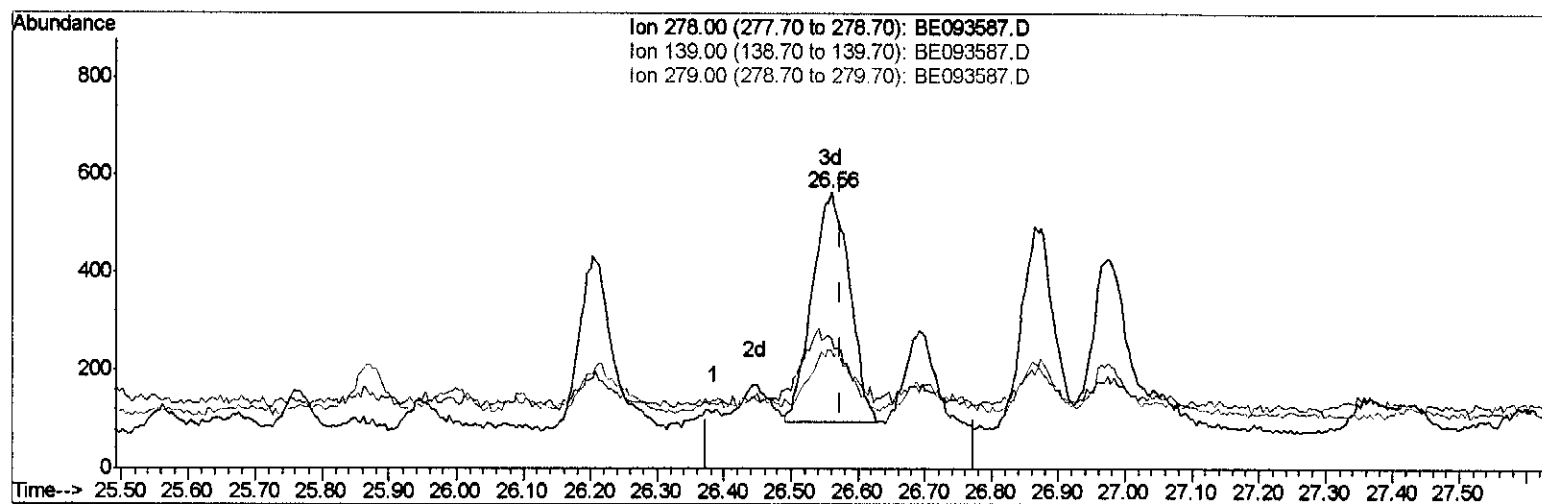
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

(25) Dibenzo(a,h)anthracene

26.559min (-0.015) 0.03ng/ul m

SJ 8/8/17

response 1817

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	46.90#
279.00	32.40	42.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

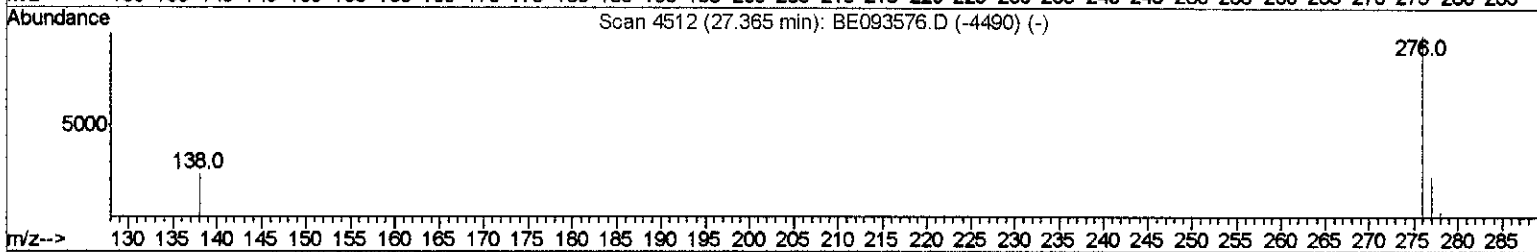
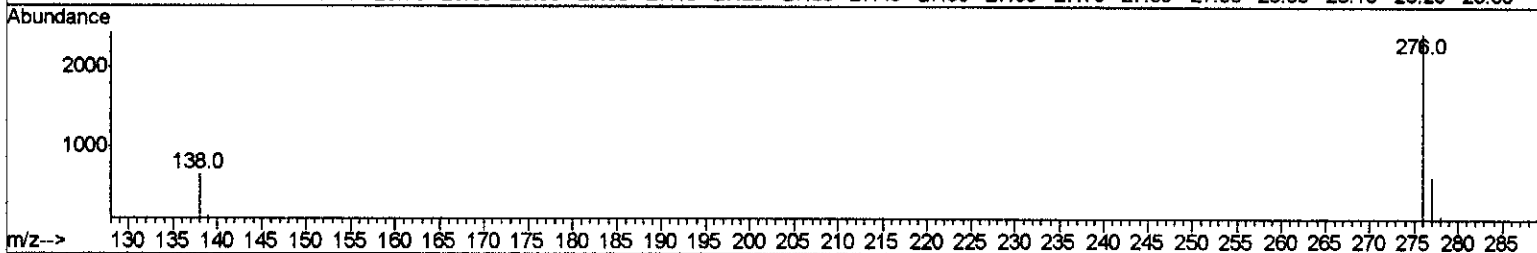
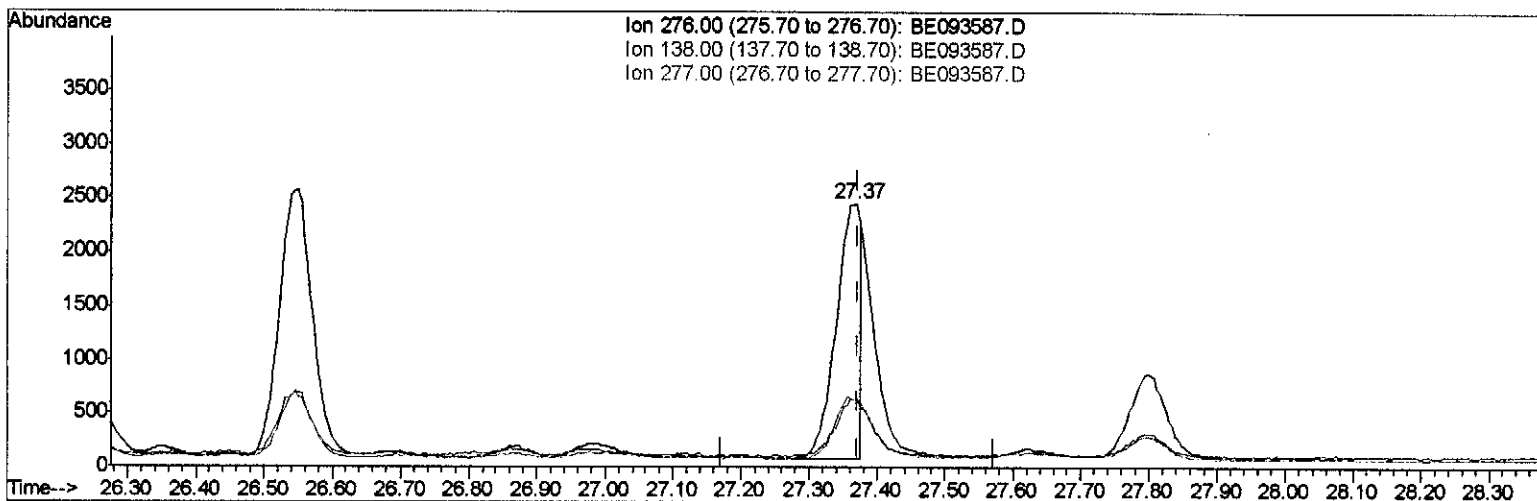
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093587.D
 Acq On : 25 Jul 2017 21:06
 Operator : SJ/JU
 Sample : I4209-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093587.D

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

27.370min (-0.001) 0.10ng/ul

response 5772

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.38
277.00	25.60	25.73
0.00	0.00	0.00

Quantitation Report (Qedit)

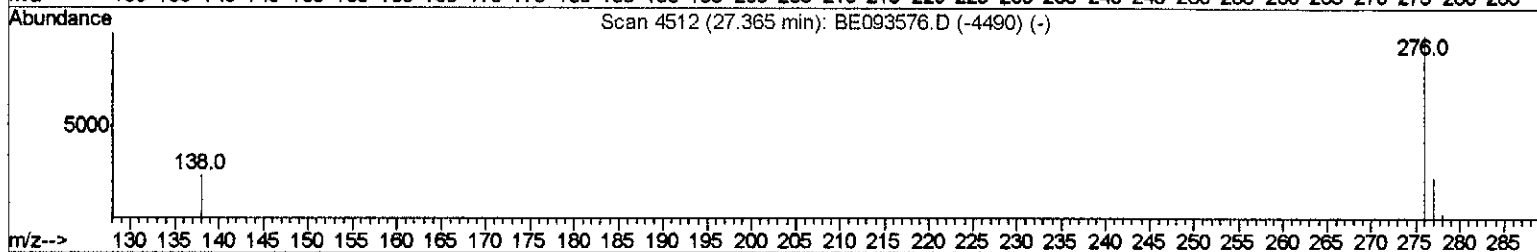
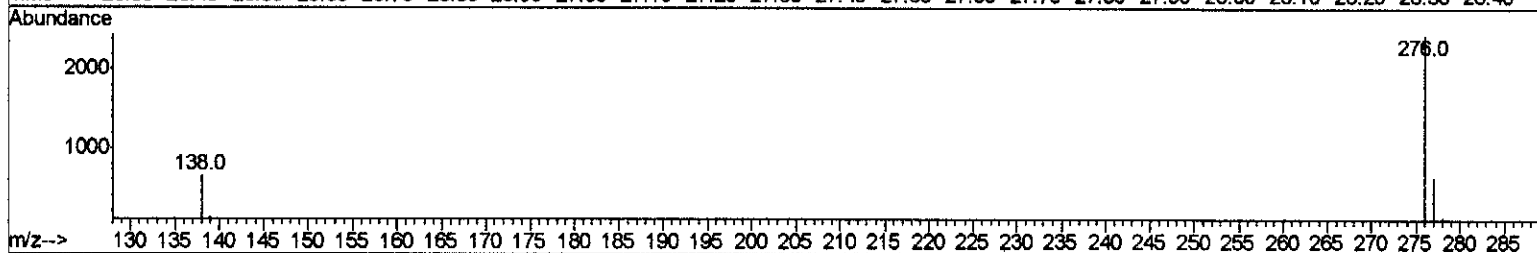
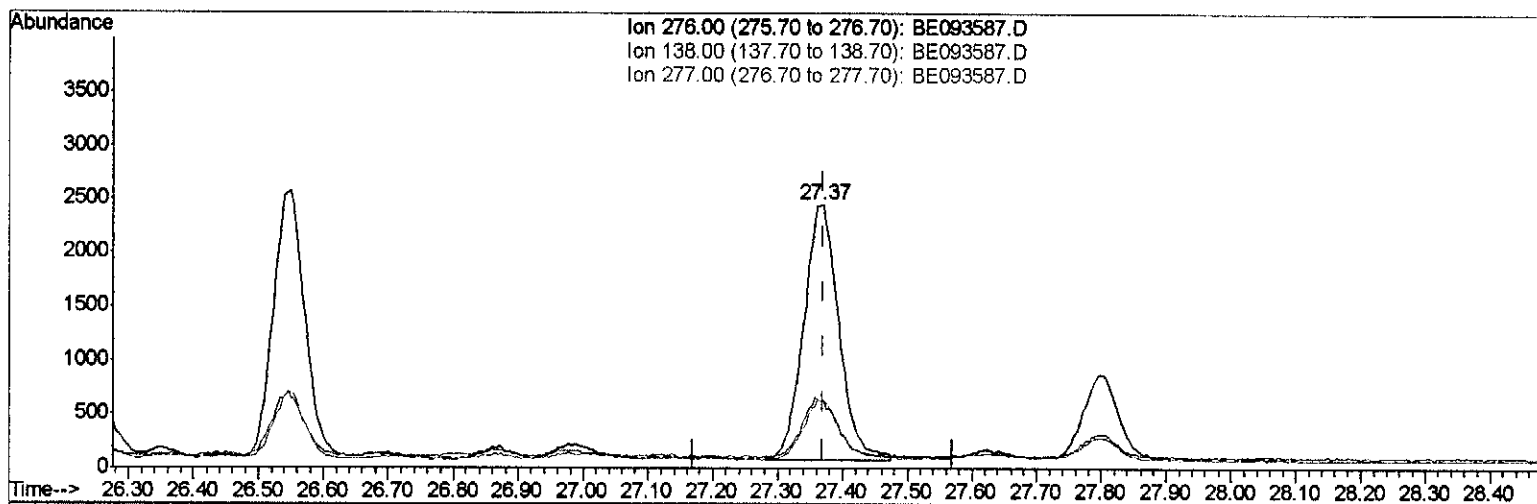
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:32:48 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: BE093587.D

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

27.370min (-0.001) 0.16ng/ul m

response 8917

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.38
277.00	25.60	25.73
0.00	0.00	0.00

SJ
8/8/12

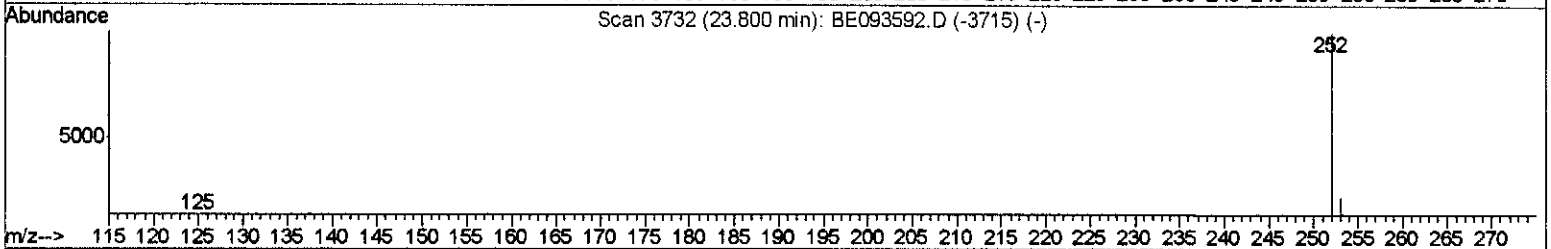
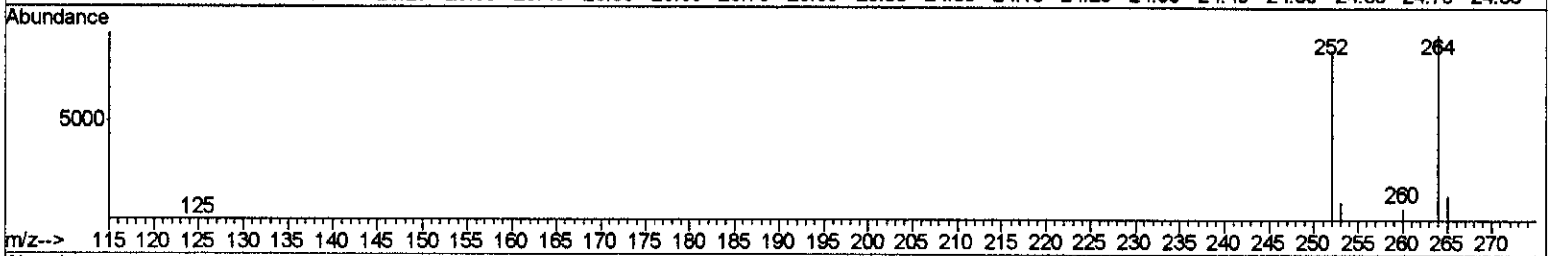
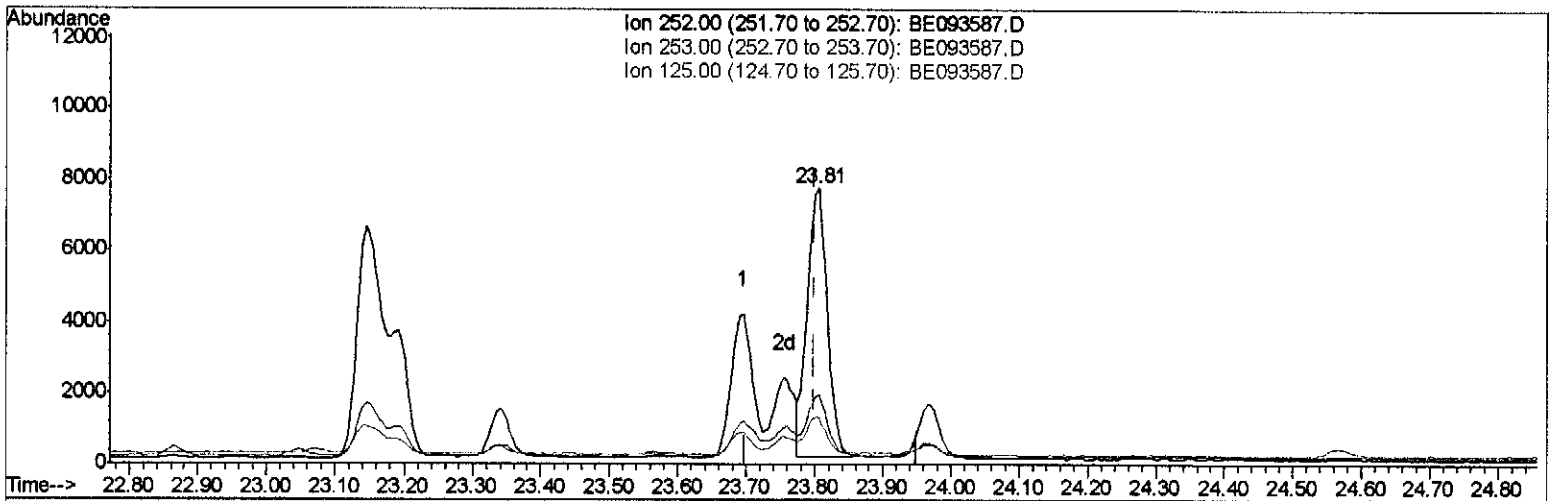
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
Data File : BE093587.D
Acq On : 25 Jul 2017 21:06
Operator : SJ/JU
Sample : I4209-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B24

Manual Integrations
APPROVED

Sohil
7/26/2017 5:56:04 PM

Quant Time: Jul 26 04:37:42 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: BE093587.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.26ng/ul m

SJ 8/1/17

response 15481

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.61#
125.00	22.60	17.07#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072517\
 Data File : BE093587.D
 Acq On : 25 Jul 2017 21:06
 Operator : SJ/JU
 Sample : I4209-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B24

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:56:04 PM

Quant Time: Jul 26 10:33:56 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	2279	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	12280	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	8238	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20702m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	22883	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	20282m	0.40	ng/ul	0.00

SJ 8/8/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	5154	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	17972	0.28	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	1180	0.040	ng/ul#	90
7) Acenaphthylene	14.25	152	1209	0.035	ng/ul#	87
12) Phenanthrene	17.29	178	1832	0.032	ng/ul#	91
13) Anthracene	17.38	178	1386	0.025	ng/ul#	55
15) Fluoranthene	19.30	202	16253	0.231	ng/ul	84
17) Pyrene	19.67	202	24415	0.366	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	12855	0.194	ng/ul#	84
19) Chrysene	21.45	228	11027	0.173	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	16294	0.260	ng/ul	92
22) Benzo(k)fluoranthene	23.19	252	6209m	0.100	ng/ul	
23) Benzo(a)pyrene	23.81	252	15481m	0.259	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	8365m	0.127	ng/ul	
25) Dibenzo(a,h)anthracene	26.56	278	1817m	0.033	ng/ul	
26) Benzo(g,h,i)perylene	27.37	276	8917m	0.161	ng/ul	

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