

Quantitation Report (QT Reviewed)

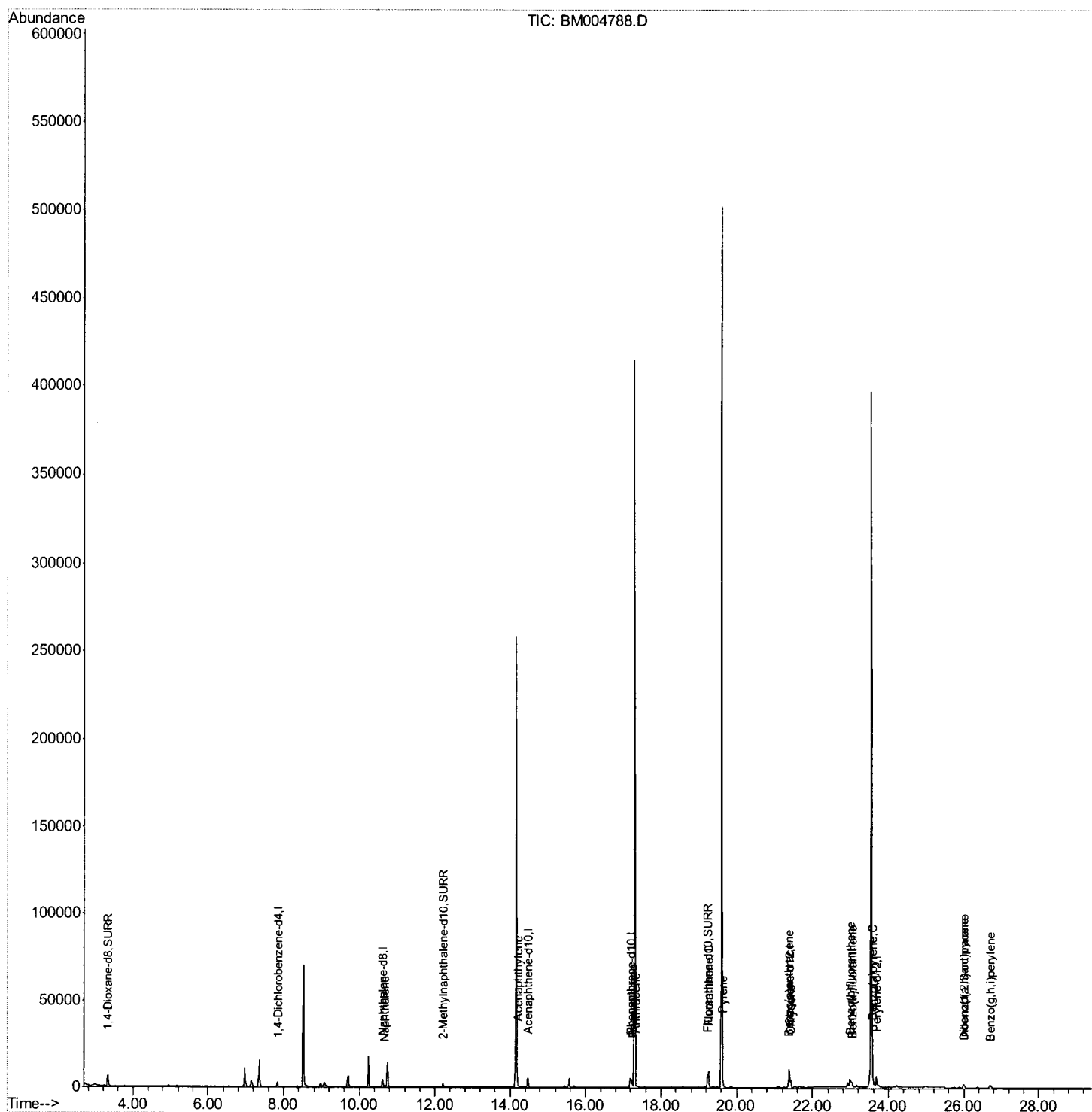
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004788.D
 Acq On : 25 Mar 2016 21:32
 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T48

Manual Integrations
 APPROVED

Sohil
 4/6/2016 1:28:55 PM

Quant Time: Apr 05 19:30:38 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



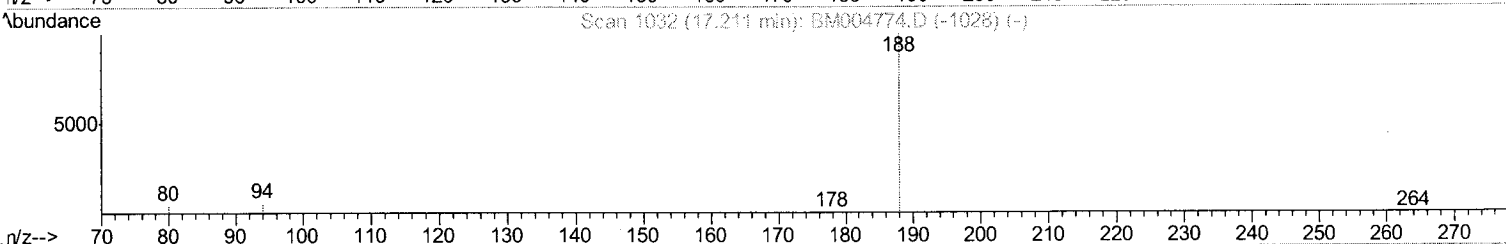
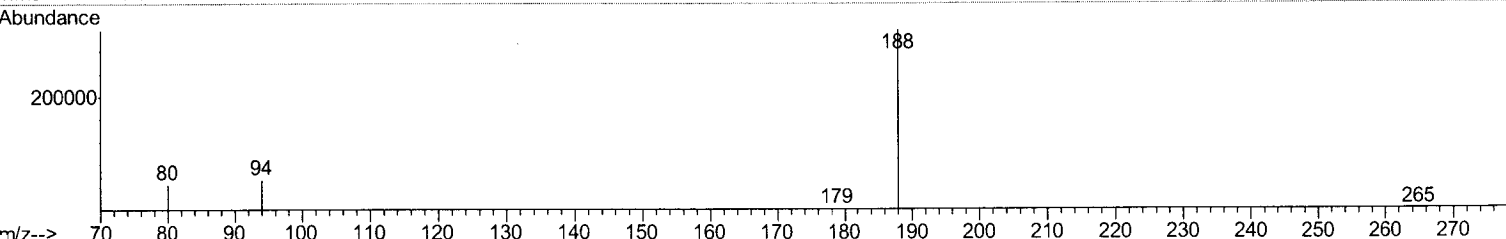
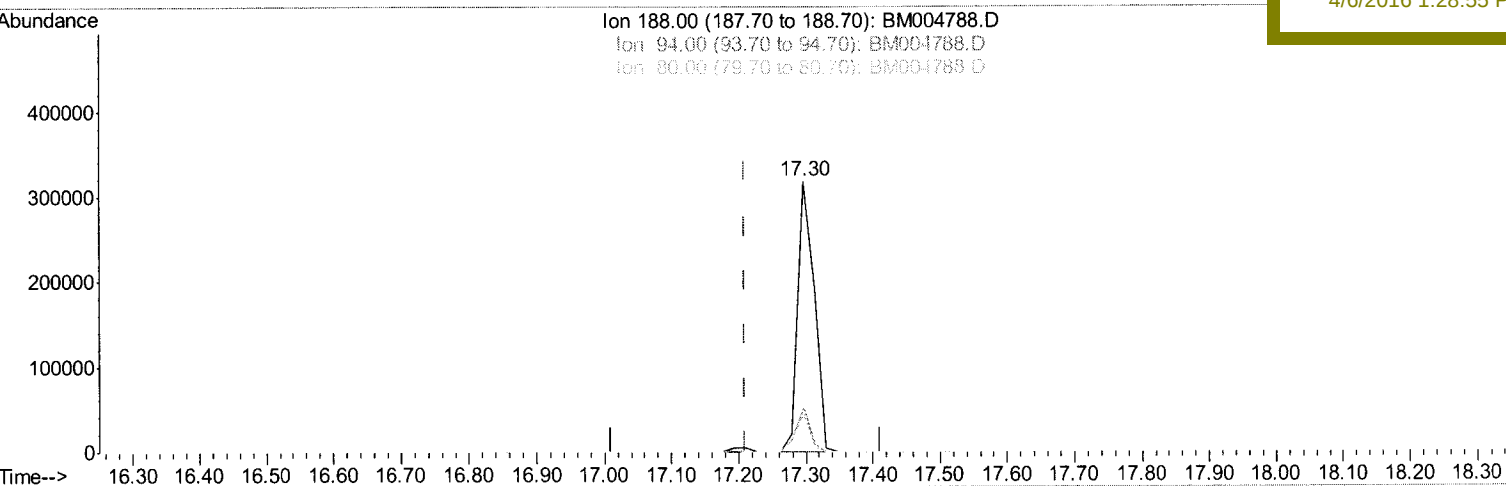
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004788.D
Acq On : 25 Mar 2016 21:32
Operator : UM/SJ
Sample : H1909-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 19:26:33 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
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Sohil
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TIC: BM004788.D

(12) Phenanthrene-d10 (I)

17.296min (+0.085) 0.40ng/ul

response 548471

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	16.56#
80.00	11.90	13.78
0.00	0.00	0.00

Quantitation Report (Qedit)

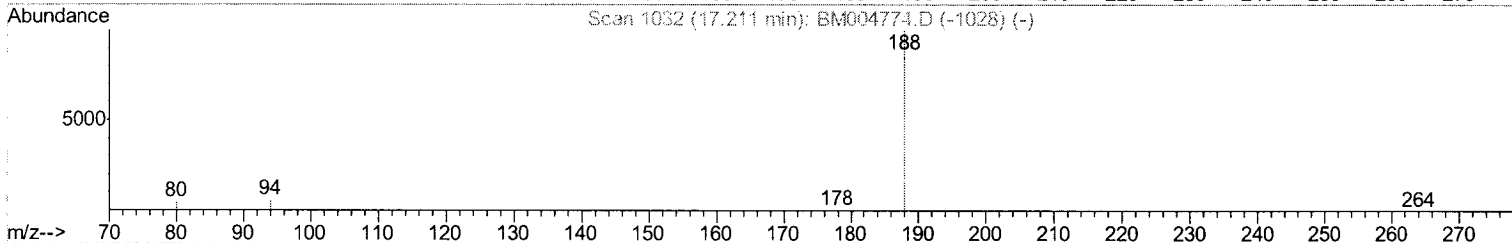
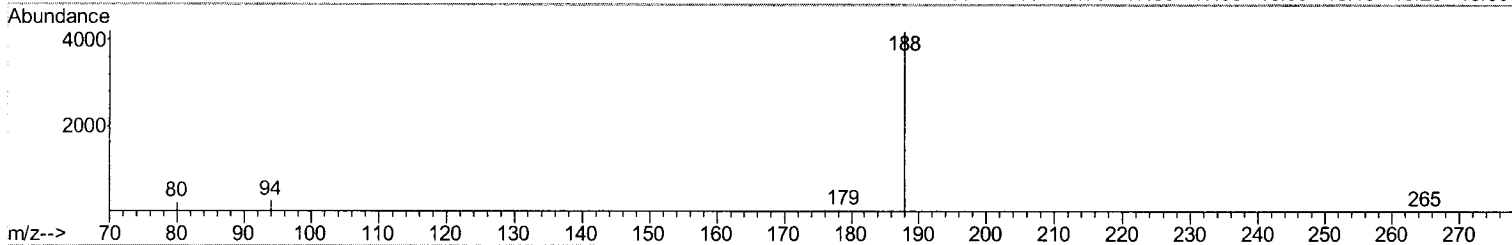
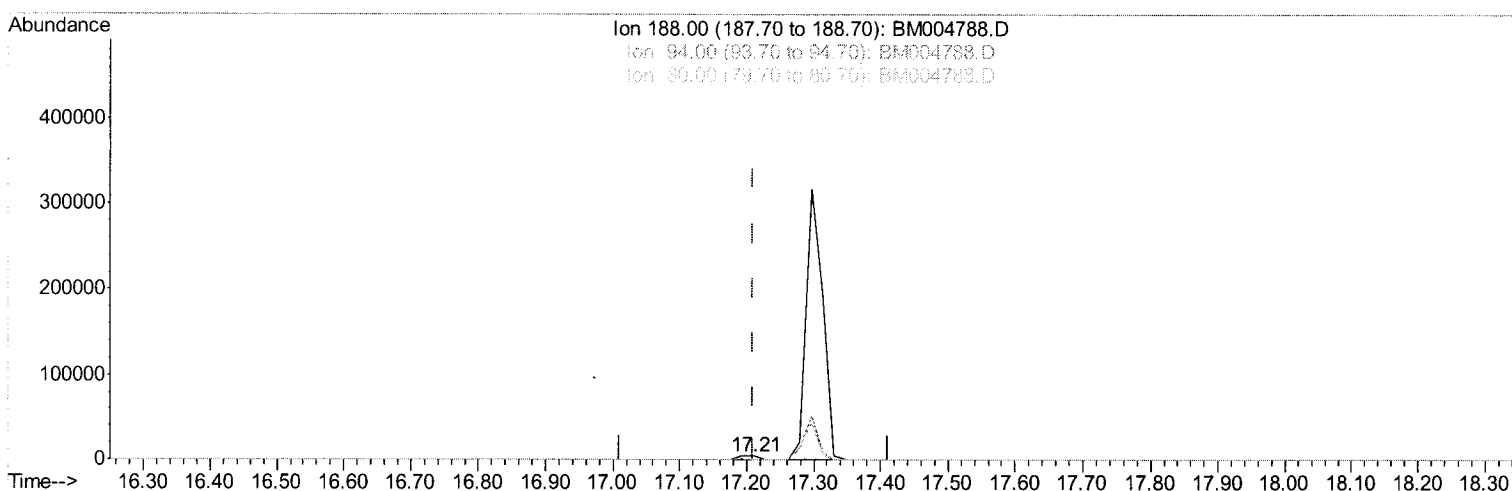
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(12) Phenanthrene-d10 (I)

17.211min (-0.000) 0.40ng/ul m UM
04/07/16
 response 8607

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	6.96#
80.00	11.90	6.11#
0.00	0.00	0.00

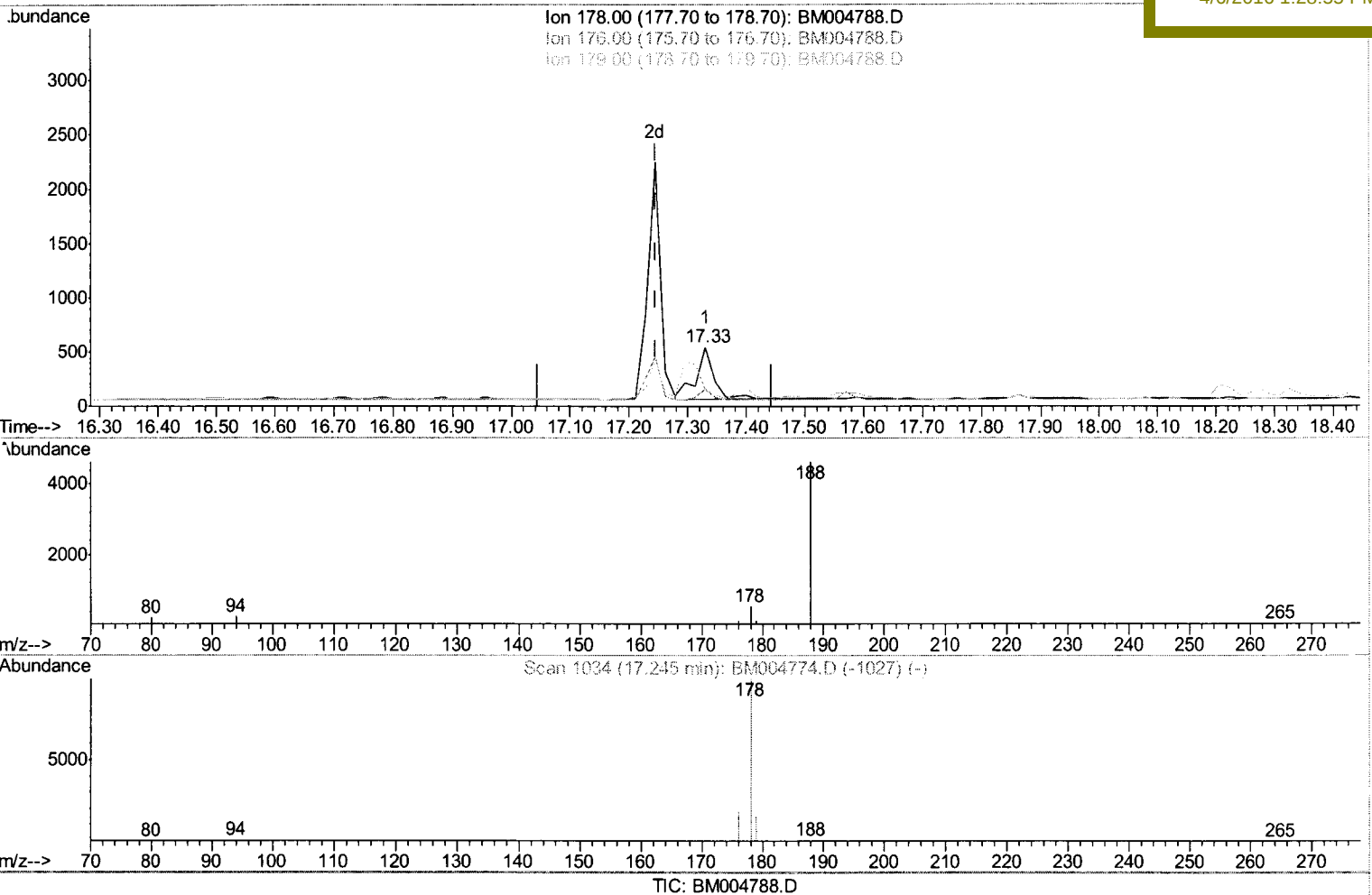
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004788.D
Acq On : 25 Mar 2016 21:32
Operator : UM/SJ
Sample : H1909-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 19:27:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
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Sohil
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(14) Phenanthrene

17.331min (+0.085) 0.04ng/ul

response 1003

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	27.73#
179.00	17.70	27.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

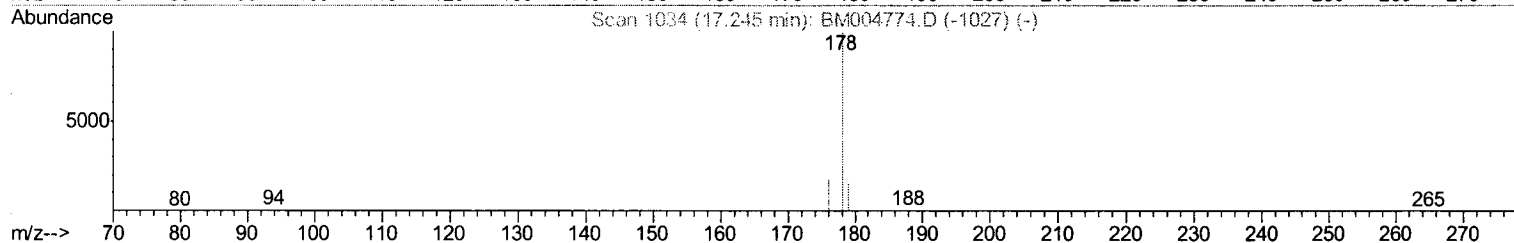
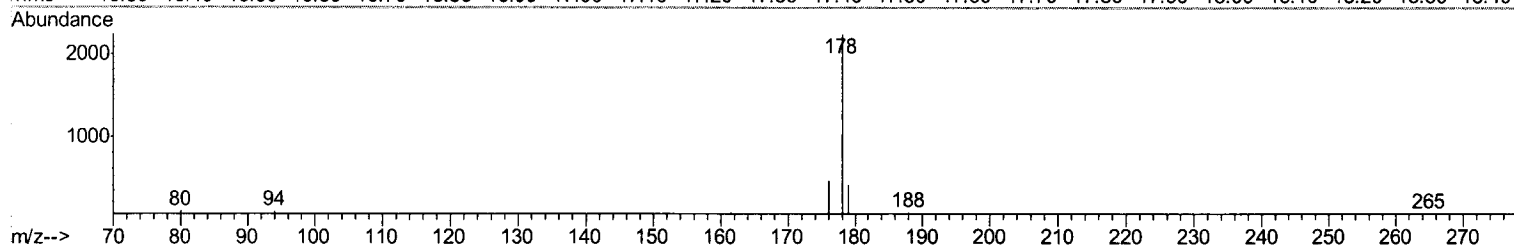
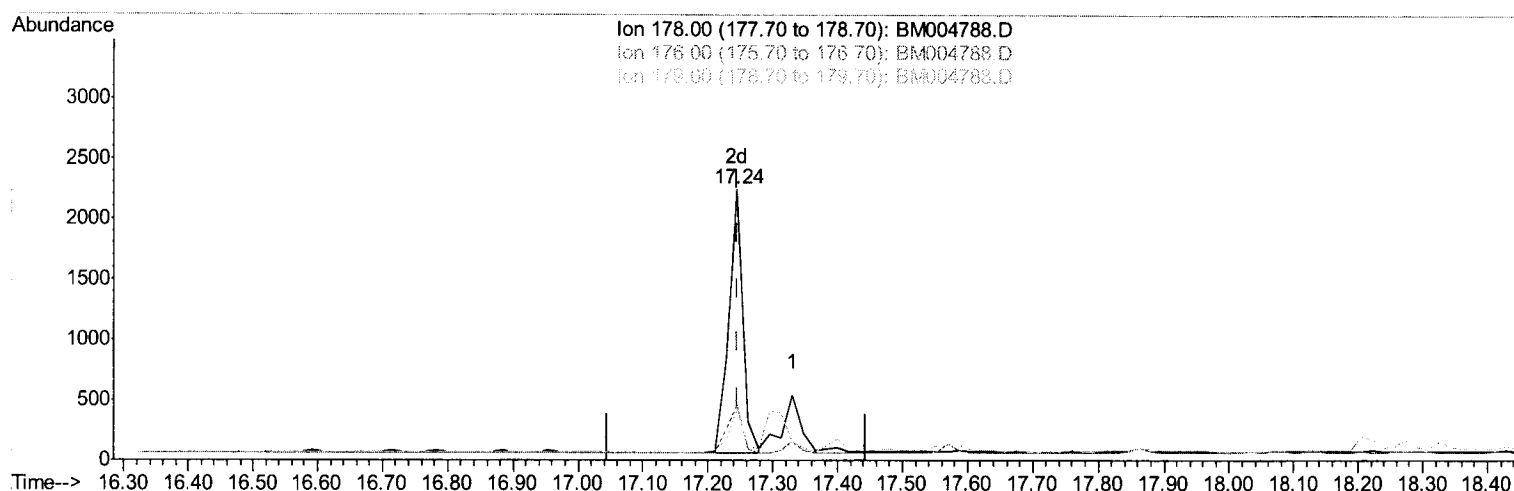
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(14) Phenanthrene

17.245min (-0.000) 0.14ng/ul m

response 3354

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.29#
179.00	17.70	18.55
0.00	0.00	0.00

U.M
 04/07/16

Quantitation Report (Qedit)

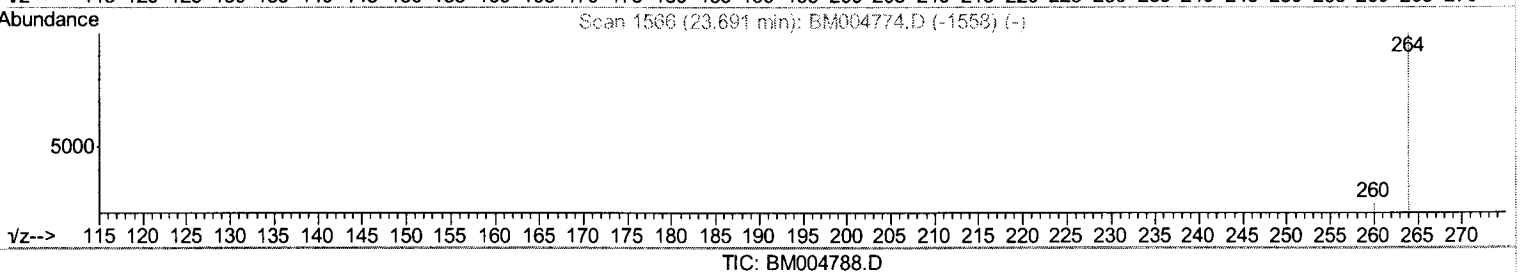
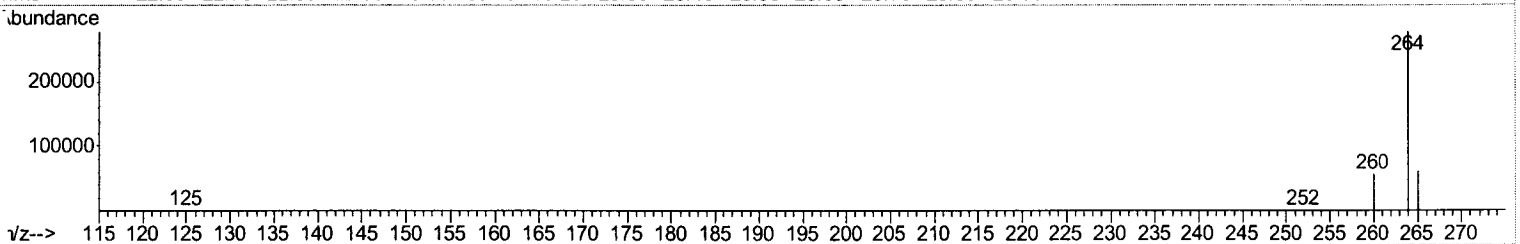
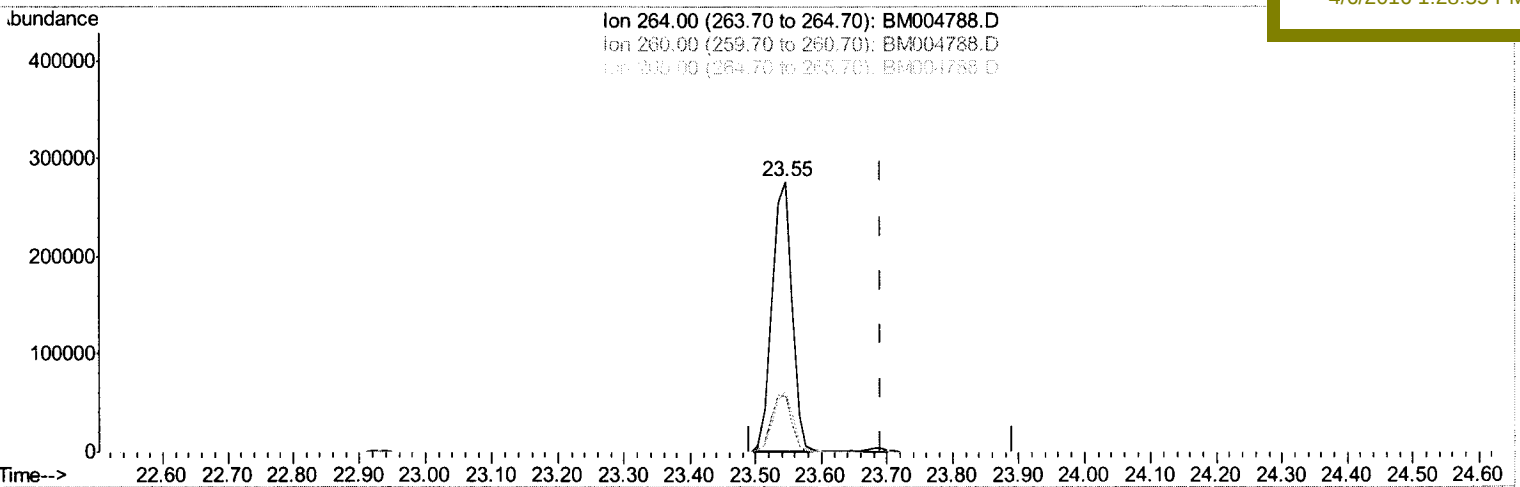
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(22) Perylene-d12 (I)

23.545min (-0.146) 0.40ng/ul

response 568545

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	20.59
265.00	38.20	22.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

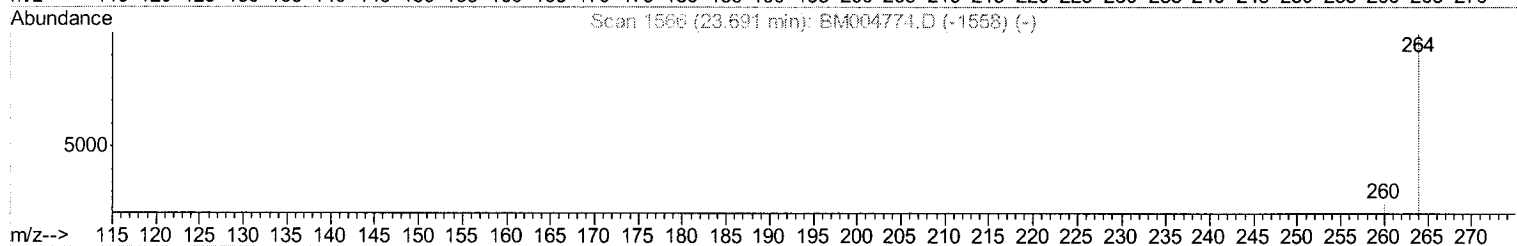
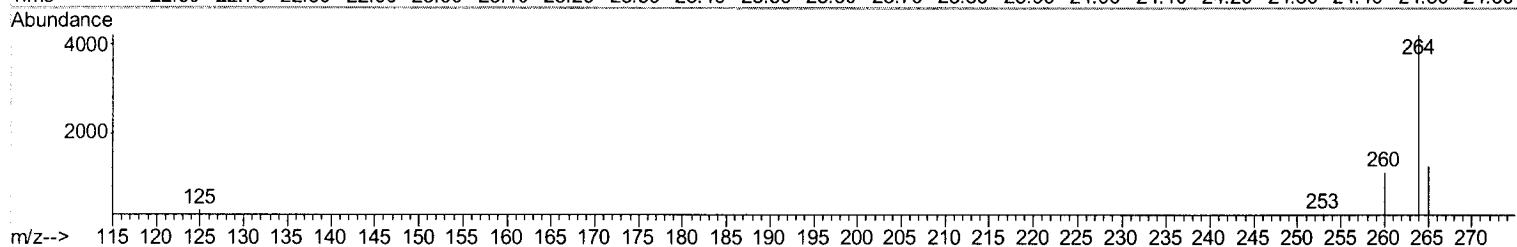
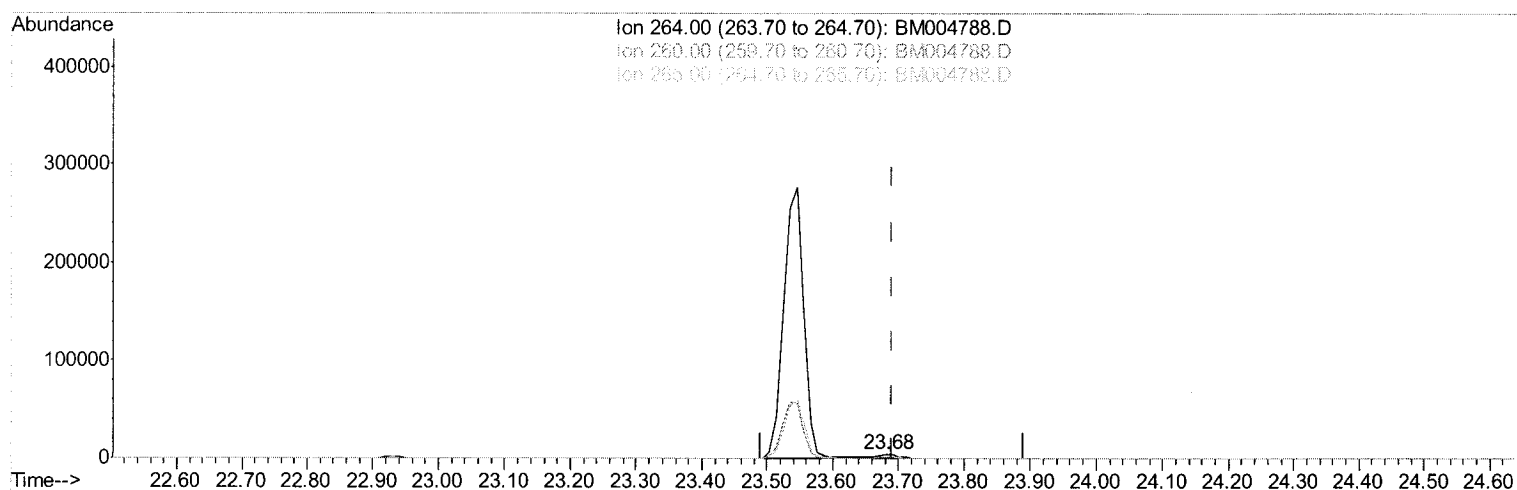
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 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: BM004788.D

(22) Perylene-d12 (I)

23.681min (-0.011) 0.40ng/ul m U.M
04/07/16
 response 7110

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.82
265.00	38.20	29.65#
0.00	0.00	0.00

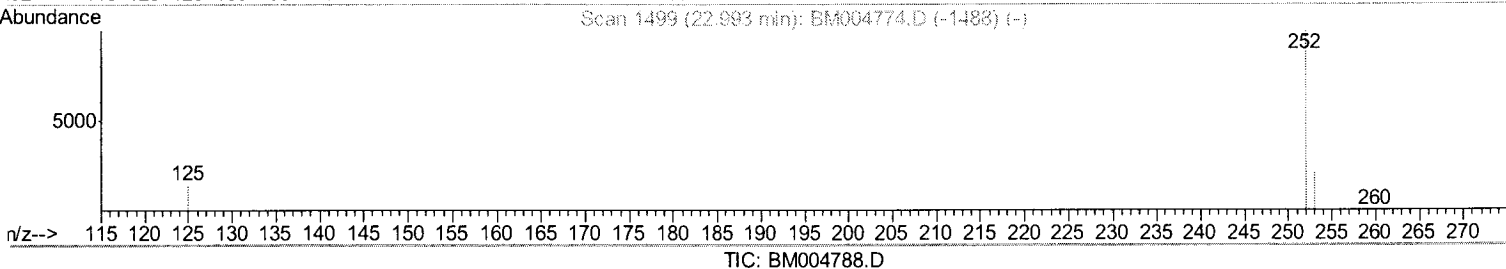
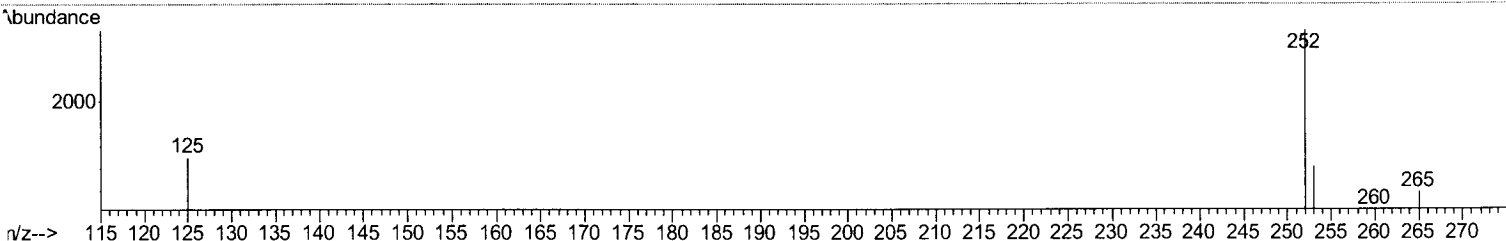
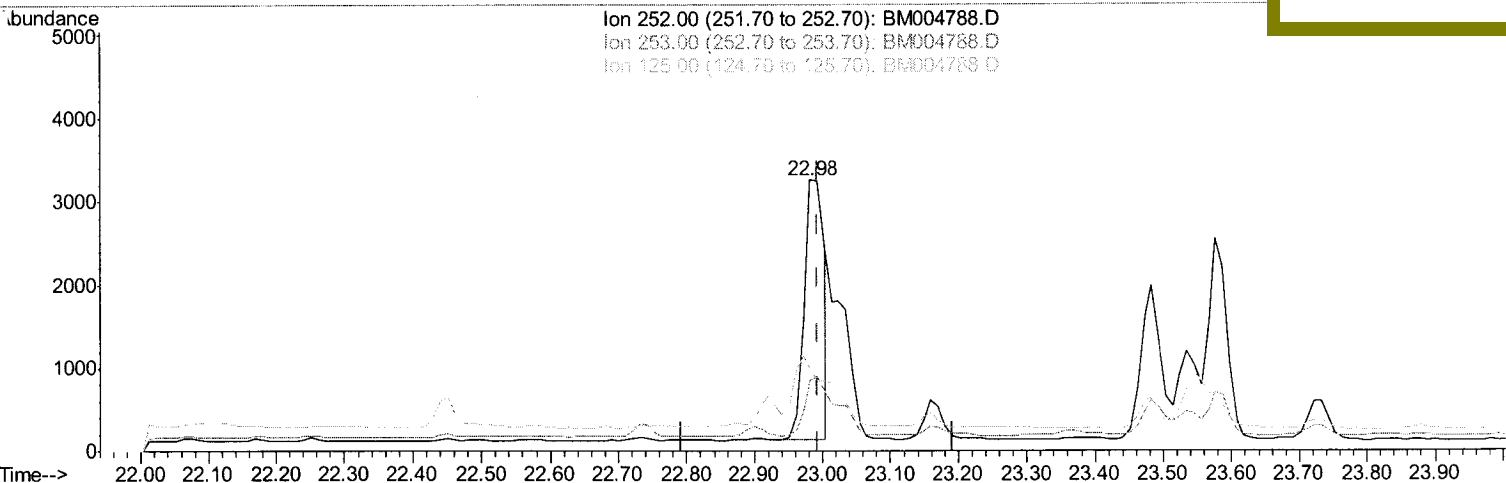
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Sohil
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(23) Benzo(b)fluoranthene

22.982min (-0.011) 0.27ng/ul

response 6445

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.00
125.00	14.40	30.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

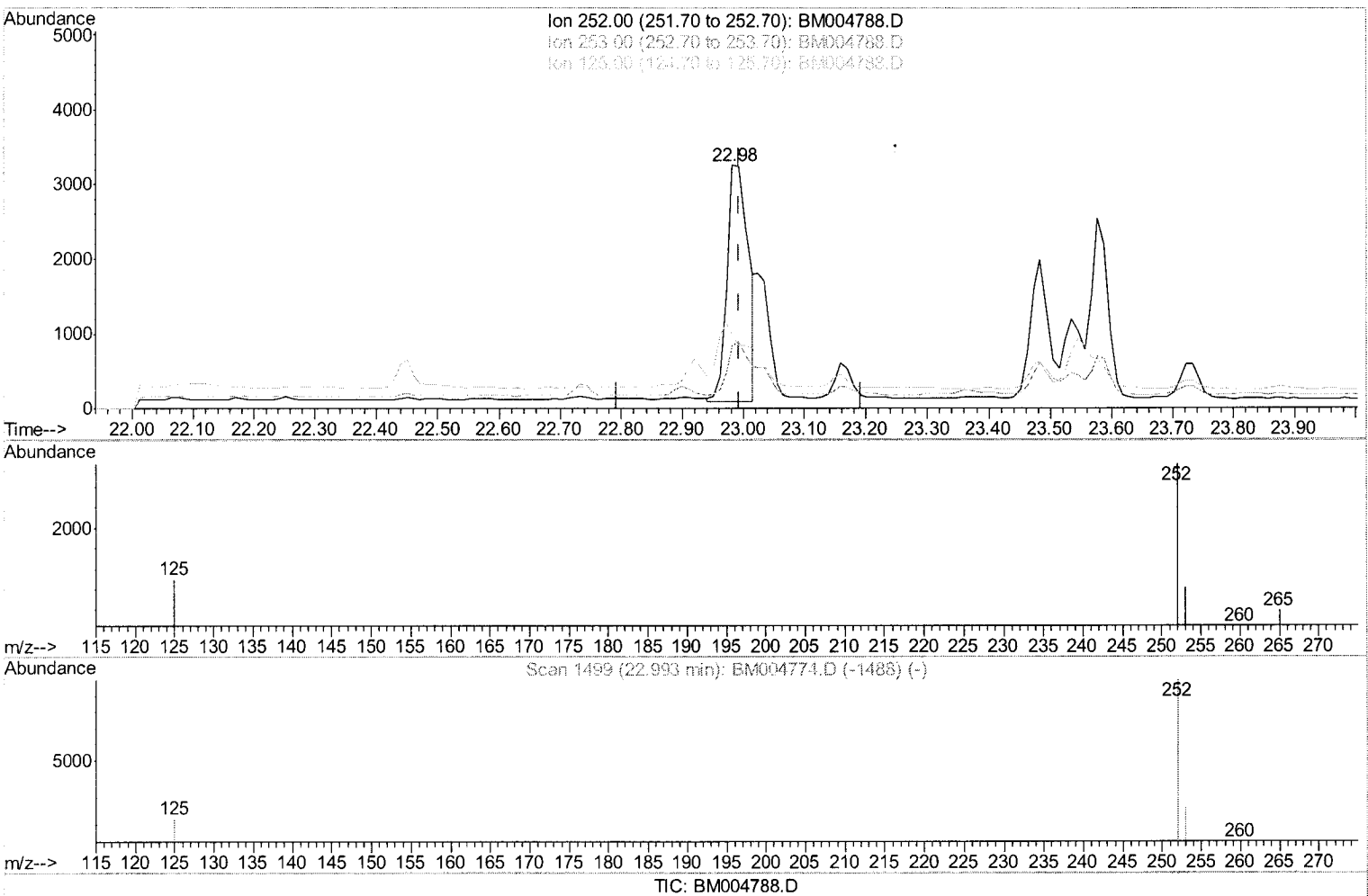
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 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

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 4/6/2016 1:28:55 PM

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(23) Benzo(b)fluoranthene

22.982min (-0.011) 0.32ng/ul m

response 7661

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.00
125.00	14.40	30.60#
0.00	0.00	0.00

U.M
 04/07/16

Quantitation Report (Qedit)

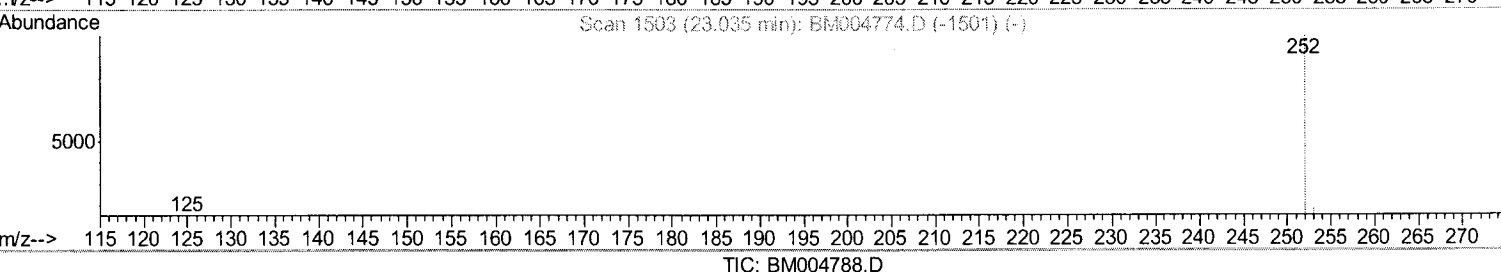
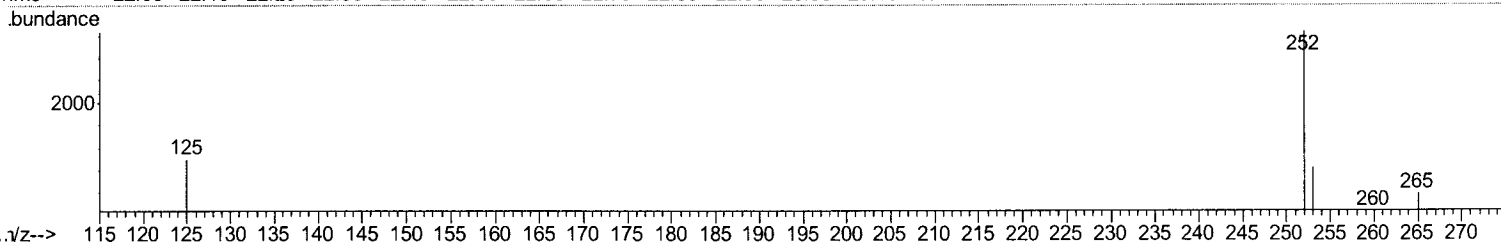
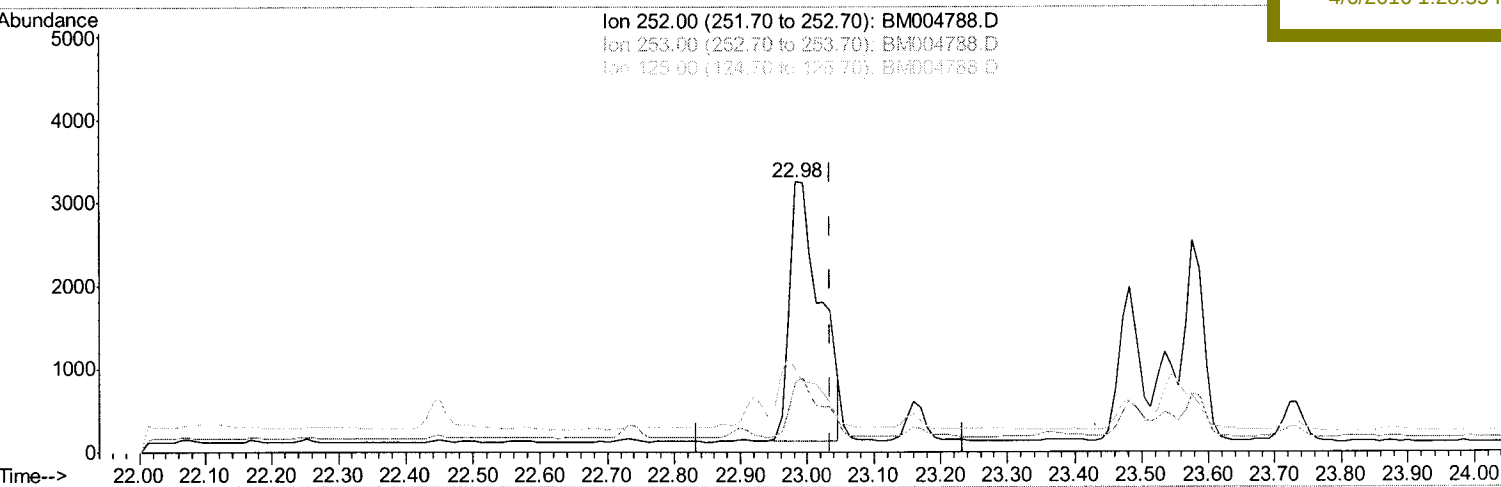
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004788.D
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Operator : UM/SJ
Sample : H1909-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T48

Manual Integrations
APPROVED

Sohil
4/6/2016 1:28:55 PM

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(24) Benzo(k)fluoranthene

22.982min (-0.052) 0.45ng/ul

response 10005

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	26.00
125.00	13.00	30.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

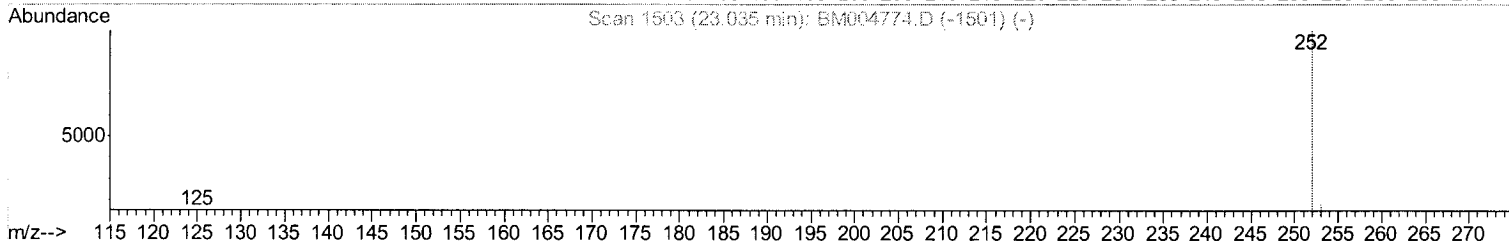
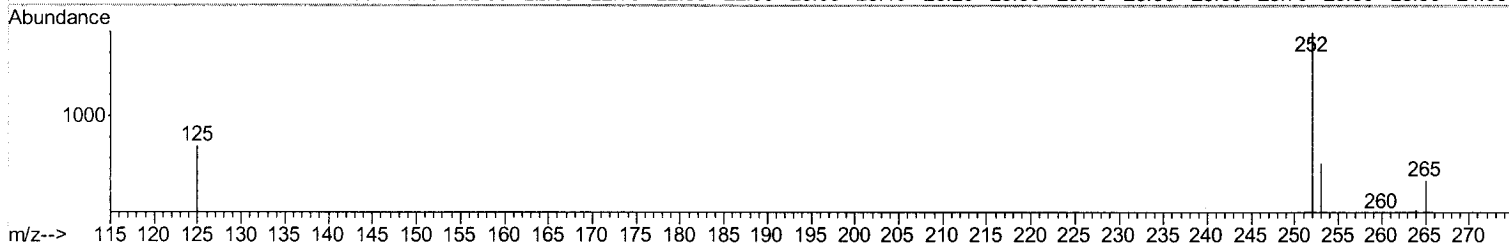
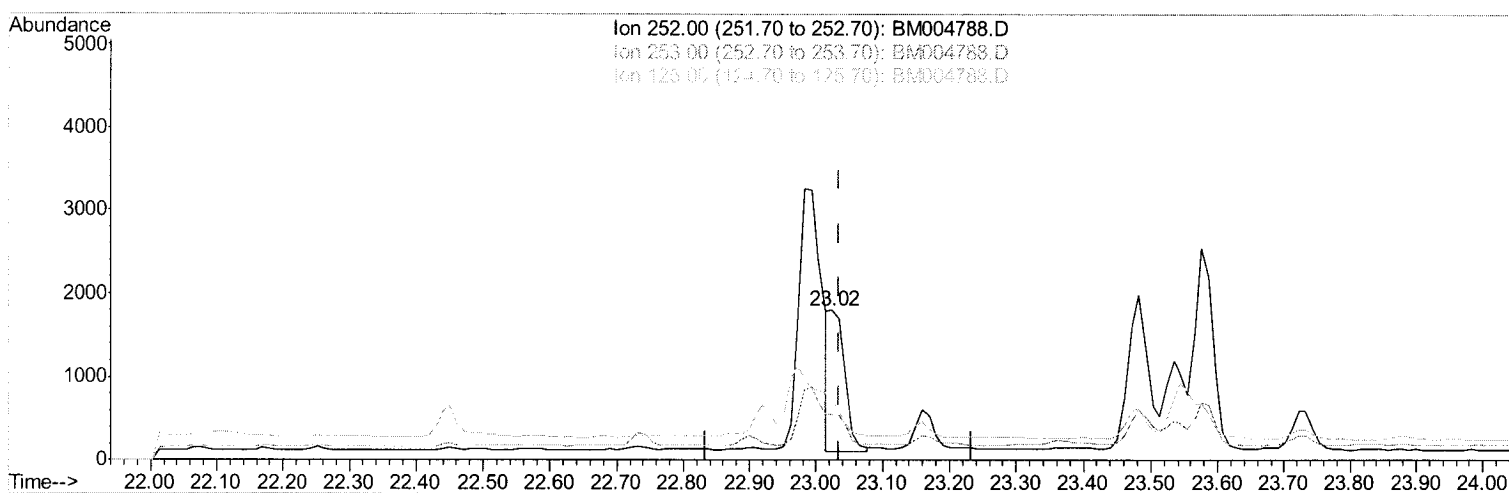
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 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 4/6/2016 1:28:55 PM

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TIC: BM004788.D

(24) Benzo(k)fluoranthene

23.024min (-0.011) 0.13ng/ul m

response 2788

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	30.50#
125.00	13.00	39.60#
0.00	0.00	0.00

U.M
 04/07/16

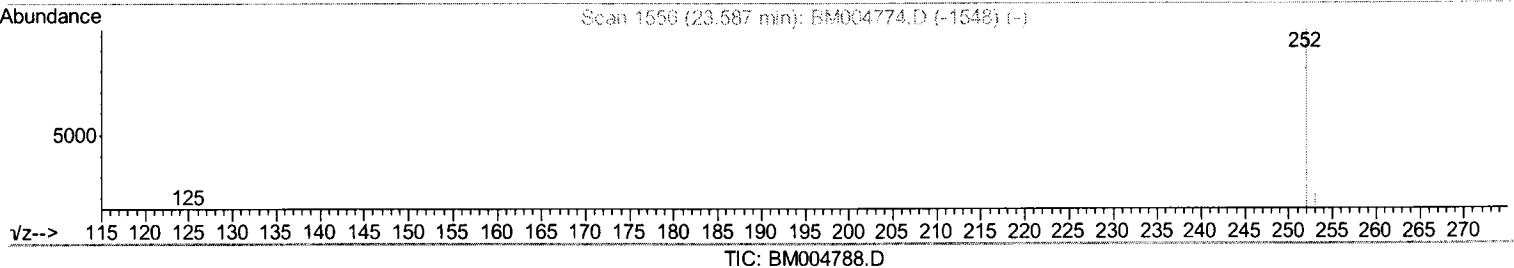
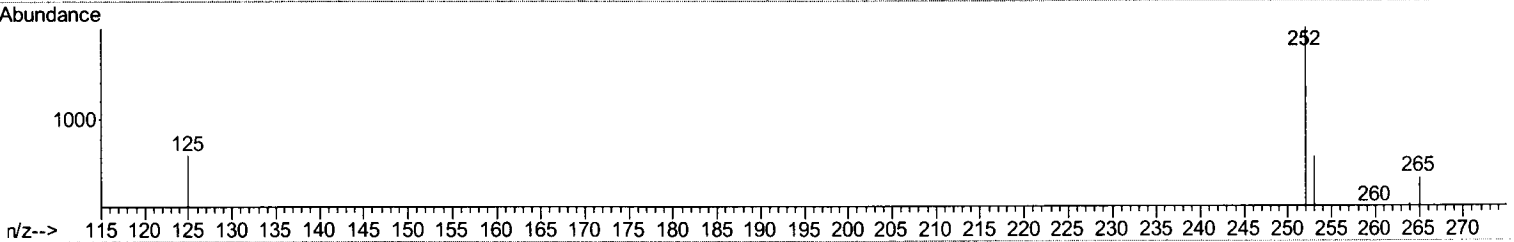
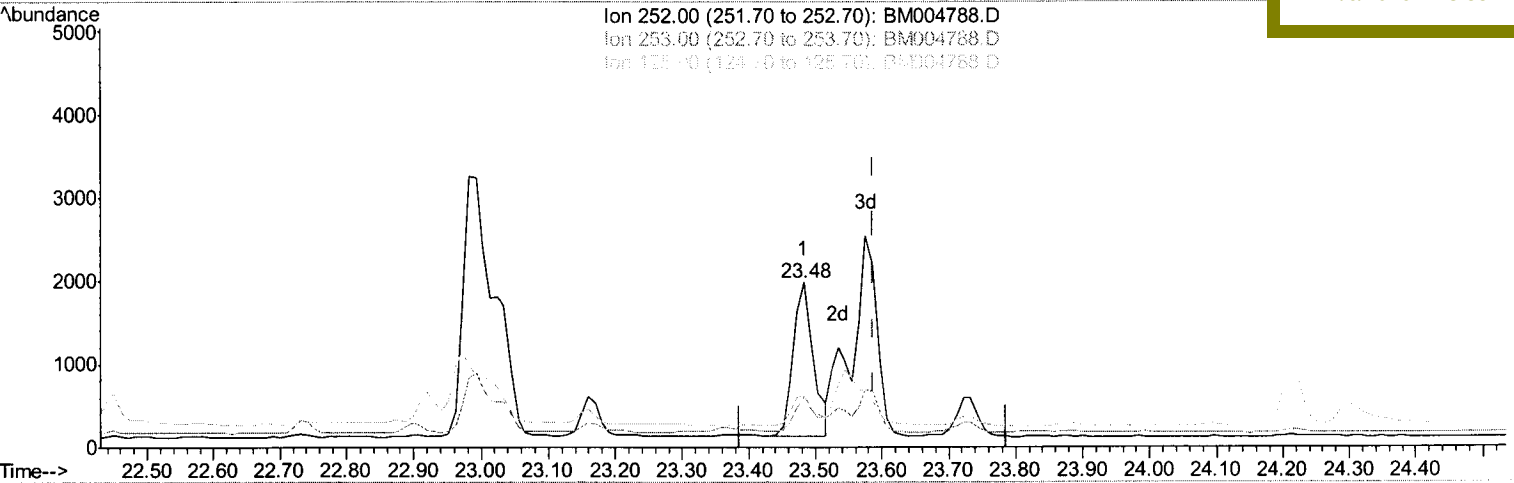
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Sohil
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(25) Benzo(a)pyrene (C)

23.483min (-0.105) 0.18ng/ul

response 3900

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	30.64#
125.00	15.90	31.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

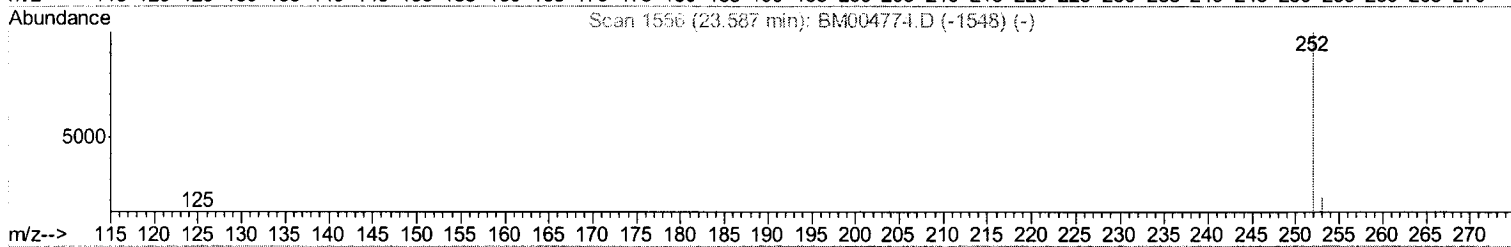
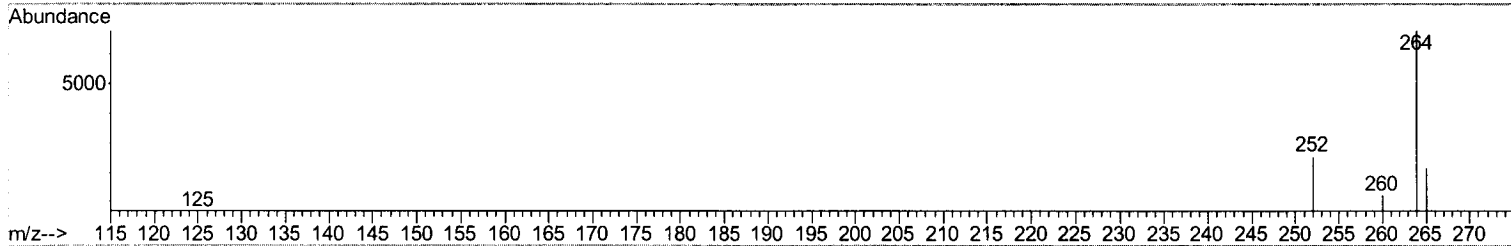
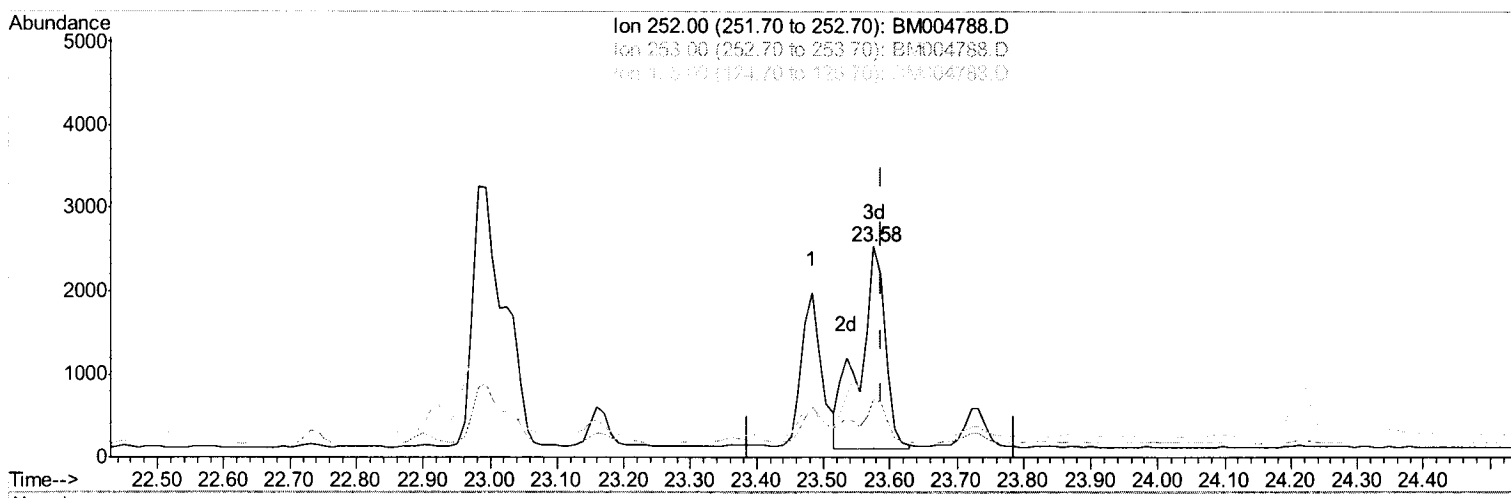
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TIC: BM004788.D

(25) Benzo(a)pyrene (C)

23.576min (-0.011) 0.31ng/ul m

response 6700

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	27.55
125.00	15.90	26.72#
0.00	0.00	0.00

U.M
 24/07/16

Quantitation Report (Qedit)

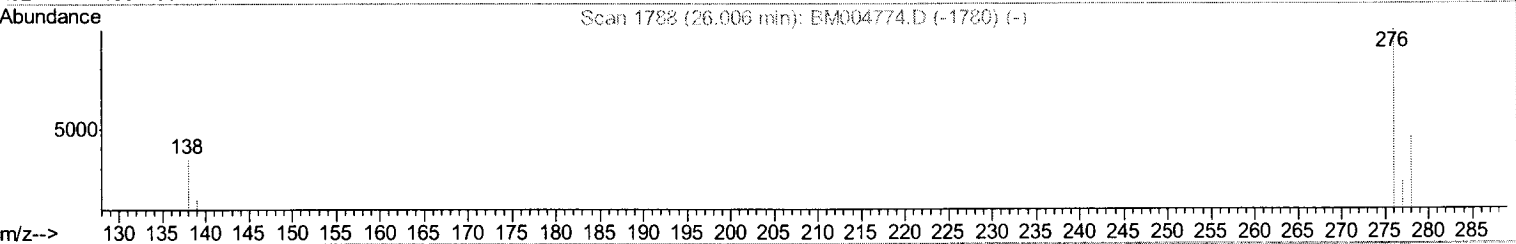
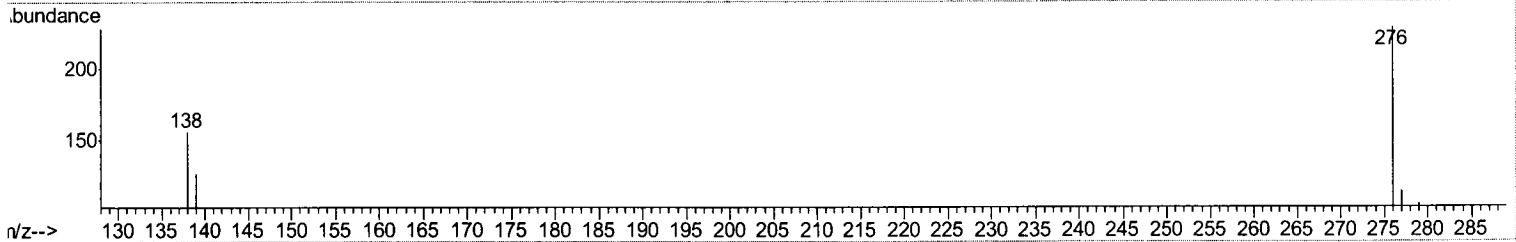
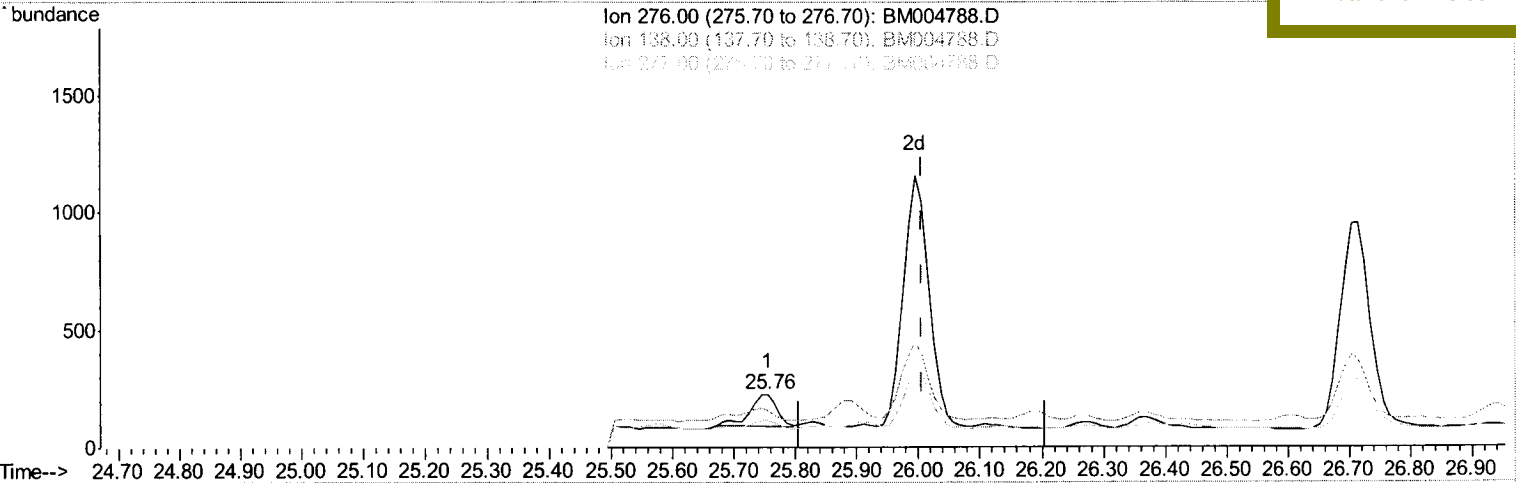
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(26) Indeno(1,2,3-cd)pyrene

25.755min (-0.250) 0.02ng/ul

response 409

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	45.97#
277.00	24.80	25.43
0.00	0.00	0.00

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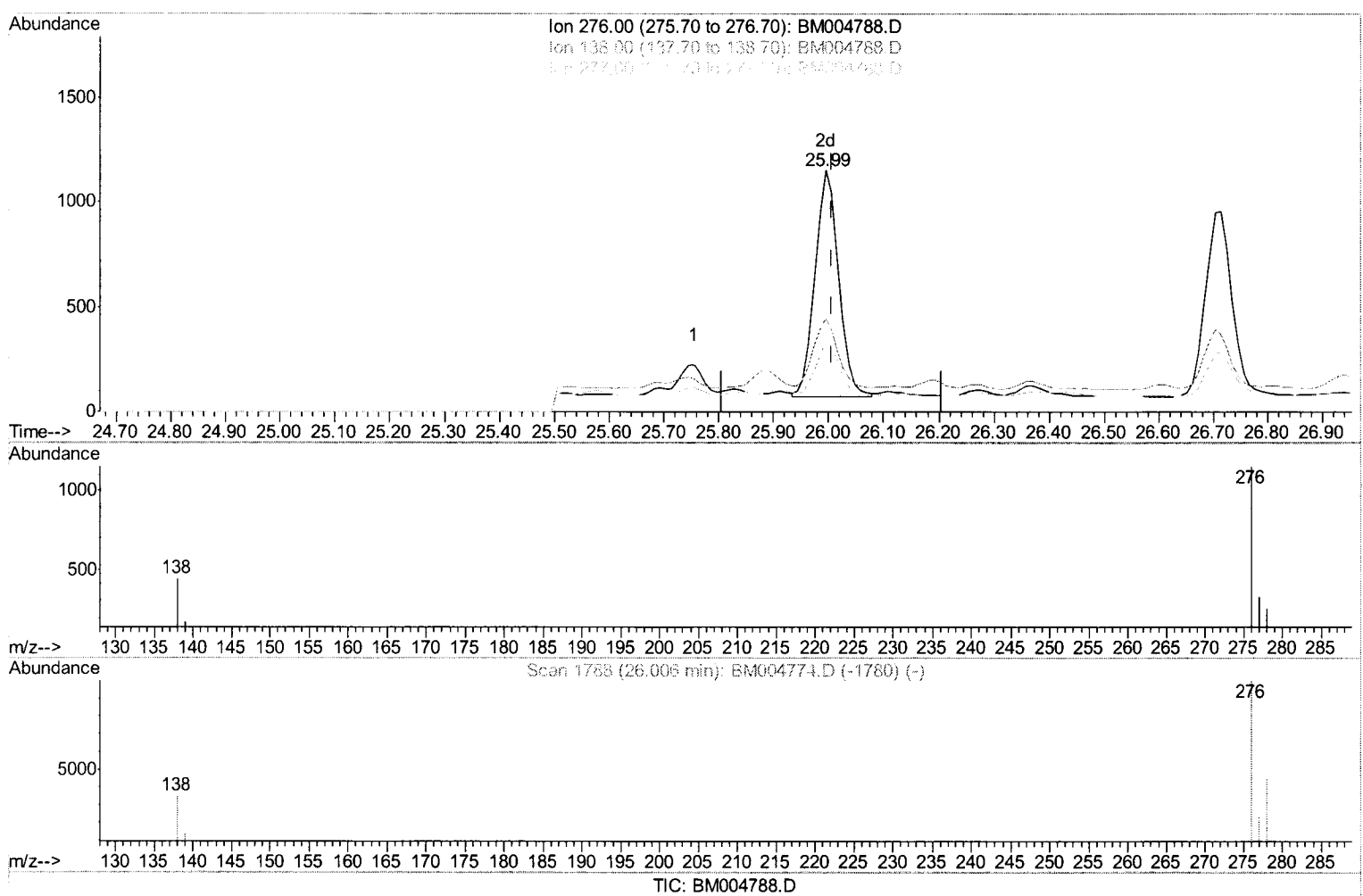
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(26) Indeno(1,2,3-cd)pyrene

25.995min (-0.011) 0.16ng/ul m

response 3208

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	5.86#
277.00	24.80	3.24#
0.00	0.00	0.00

U.M
 04/07/16

Quantitation Report (Qedit)

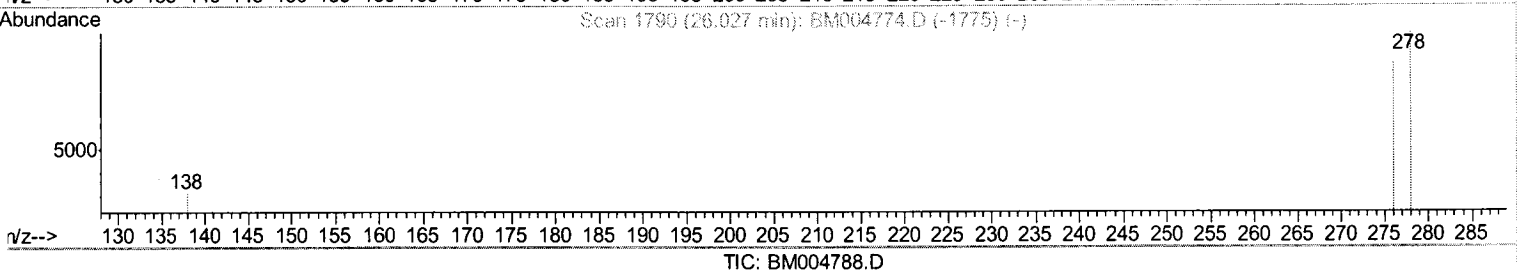
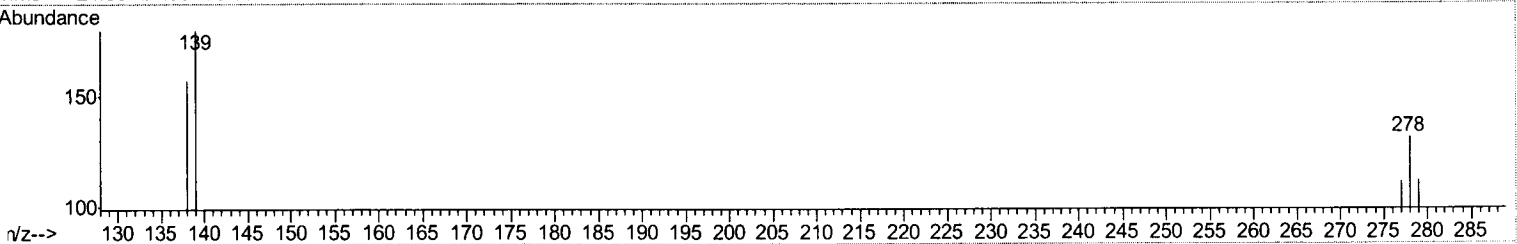
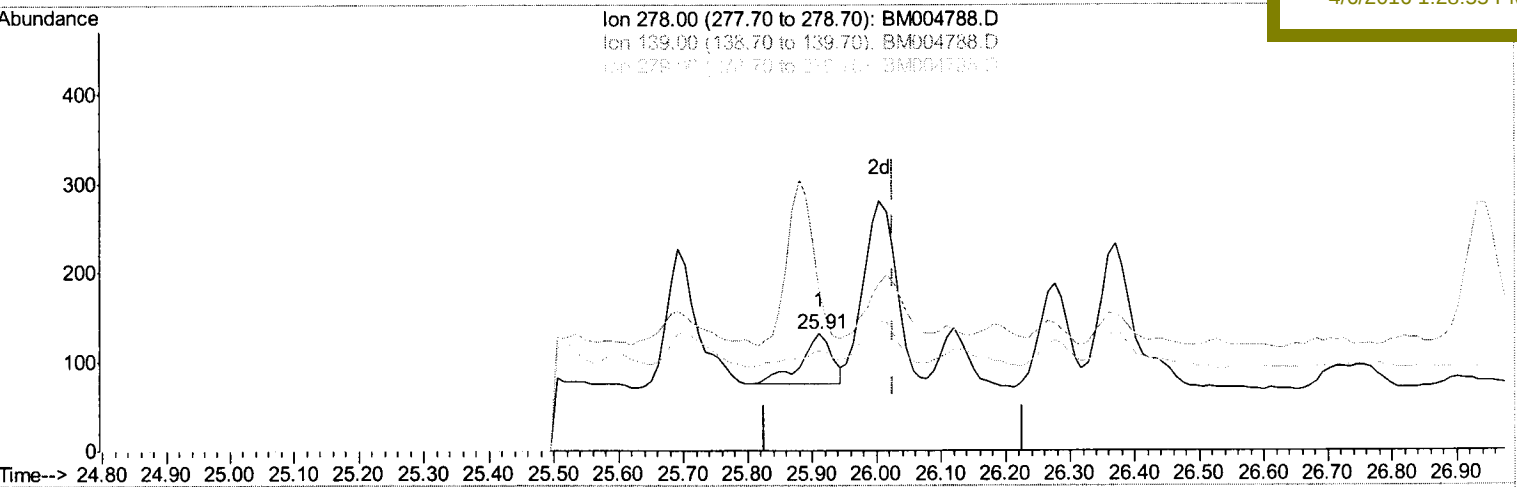
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004788.D
Acq On : 25 Mar 2016 21:32
Operator : UM/SJ
Sample : H1909-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T48

Manual Integrations
APPROVED

Sohil
4/6/2016 1:28:55 PM

Quant Time: Apr 05 19:28:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



(27) Dibenzo(a,h)anthracene

25.912min (-0.115) 0.01ng/ul

response 194

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	137.40#
279.00	25.20	85.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

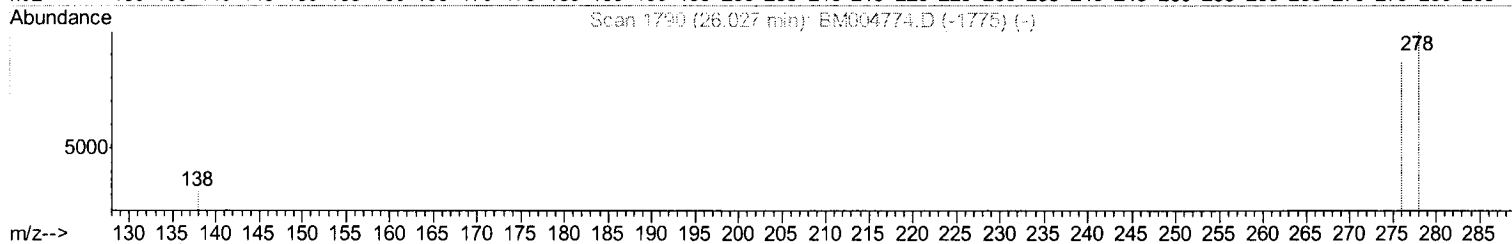
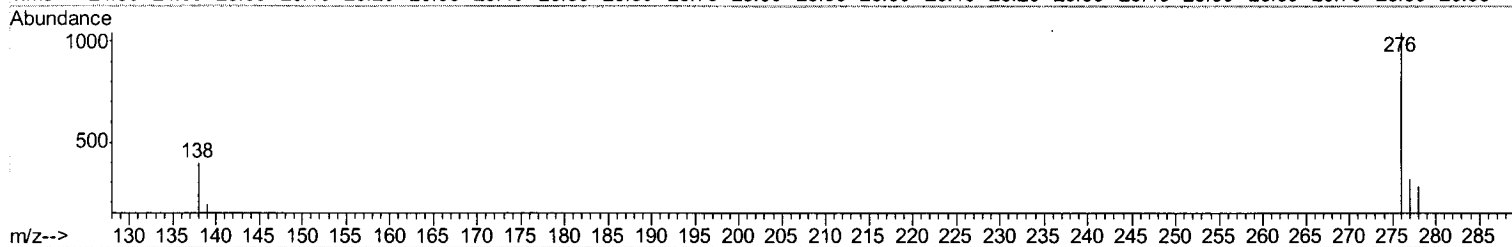
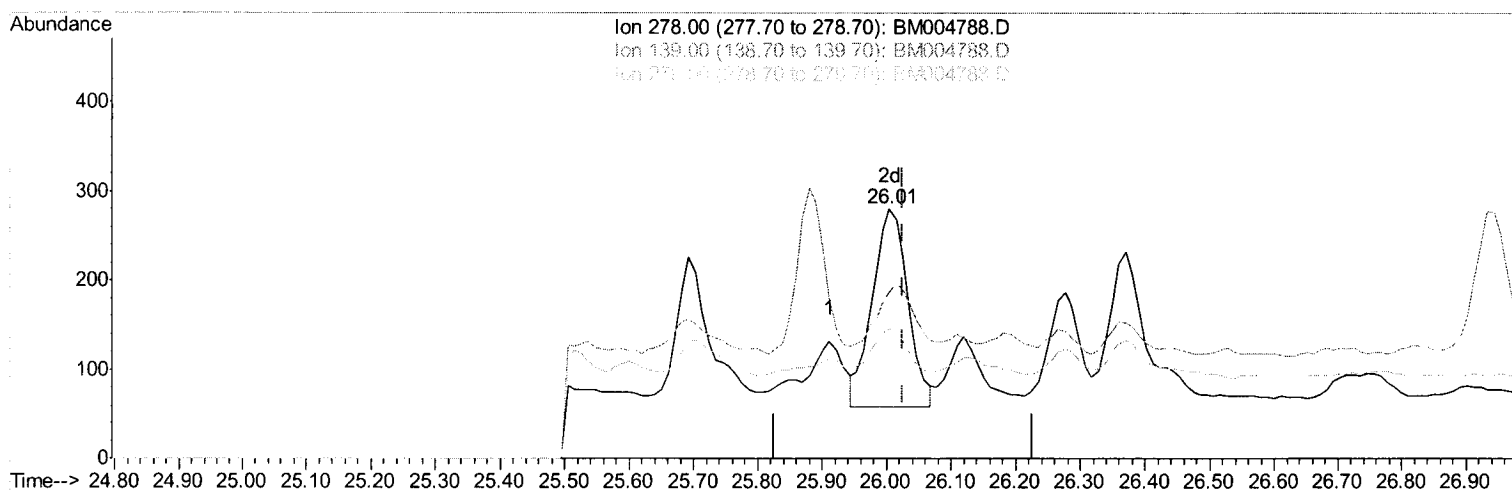
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004788.D
 Acq On : 25 Mar 2016 21:32
 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T48

Manual Integrations
 APPROVED

Sohil
 4/6/2016 1:28:55 PM

Quant Time: Apr 05 19:28:10 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004788.D

(27) Dibenzo(a,h)anthracene

26.005min (-0.021) 0.05ng/ul m

response 856

U.M
 04/07/16

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	66.55#
279.00	25.20	51.60#
0.00	0.00	0.00

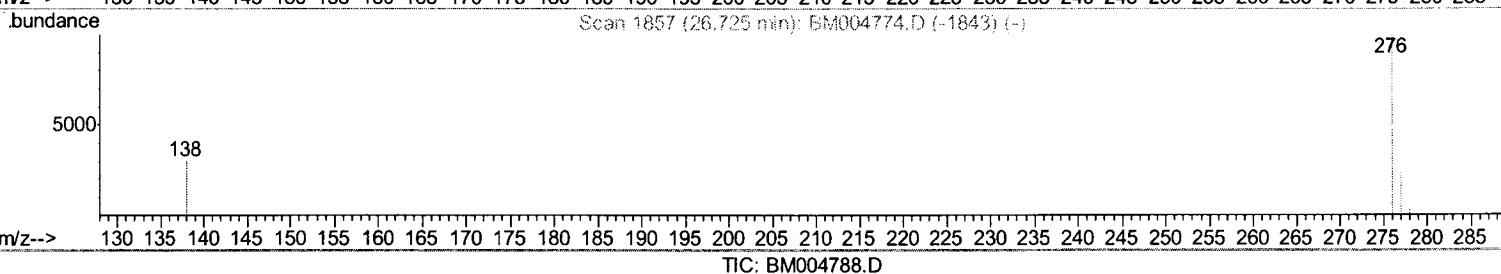
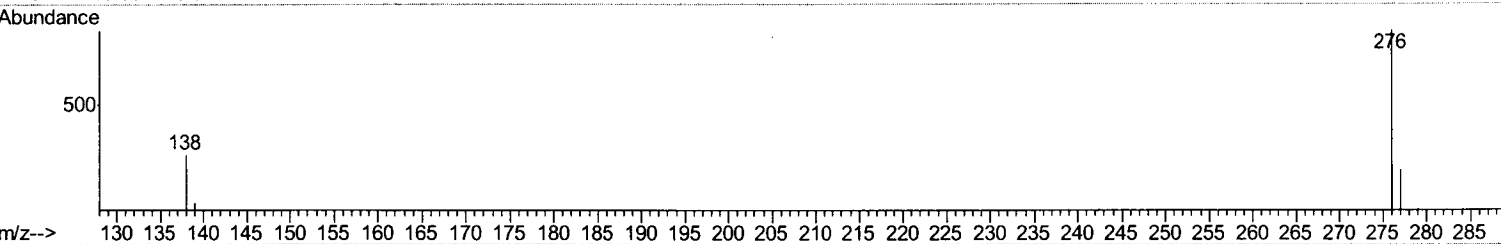
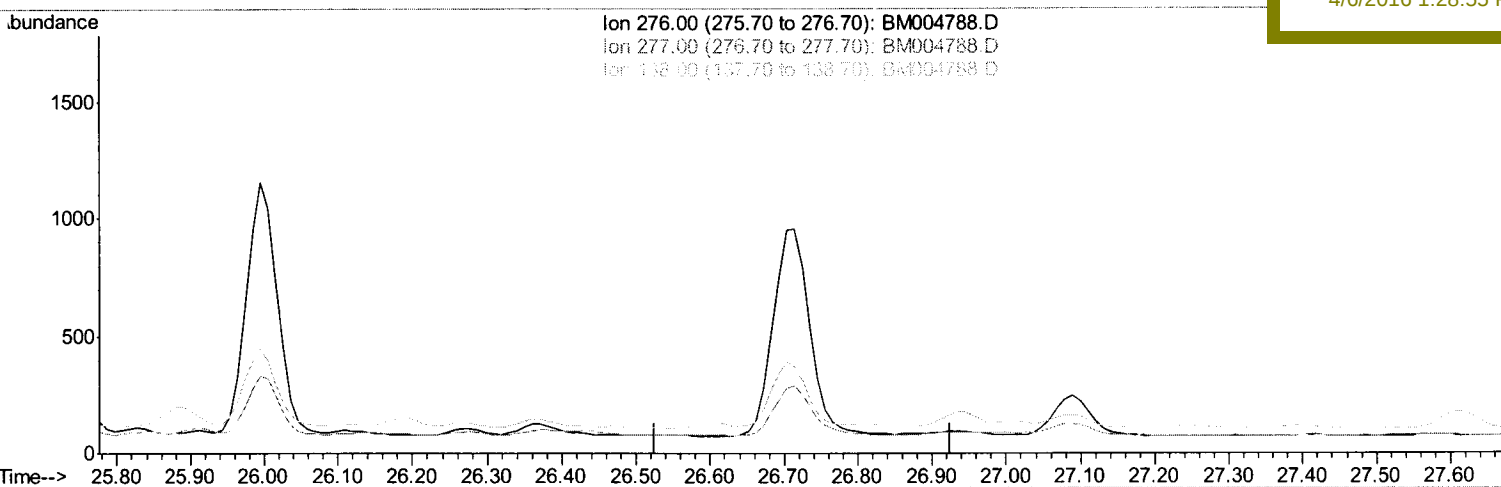
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004788.D
Acq On : 25 Mar 2016 21:32
Operator : UM/SJ
Sample : H1909-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T48

Manual Integrations
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Sohil
4/6/2016 1:28:55 PM

Quant Time: Apr 05 19:28:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004788.D

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

26.725min (-26.725) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	23.60	0.00#
138.00	28.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

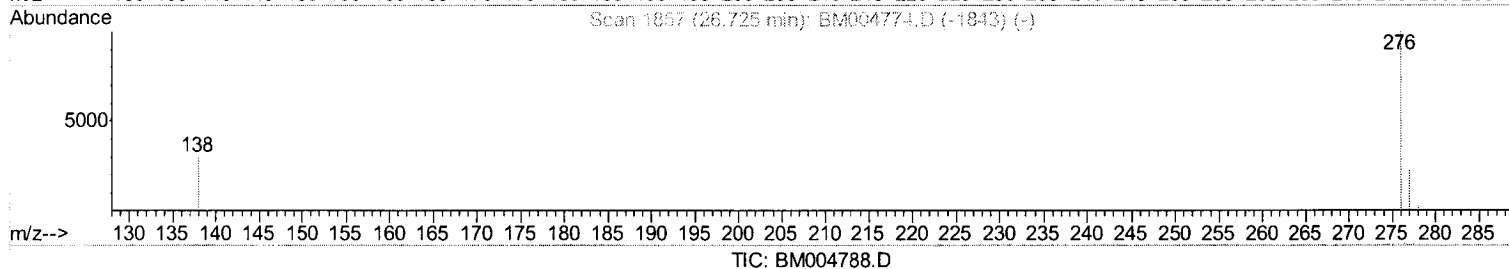
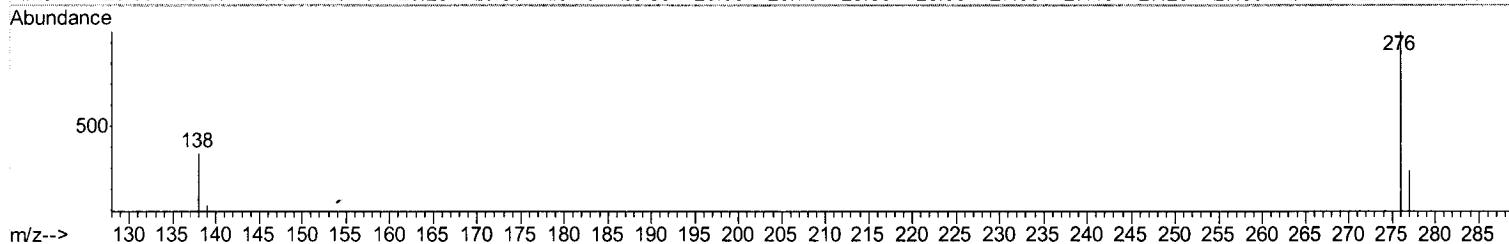
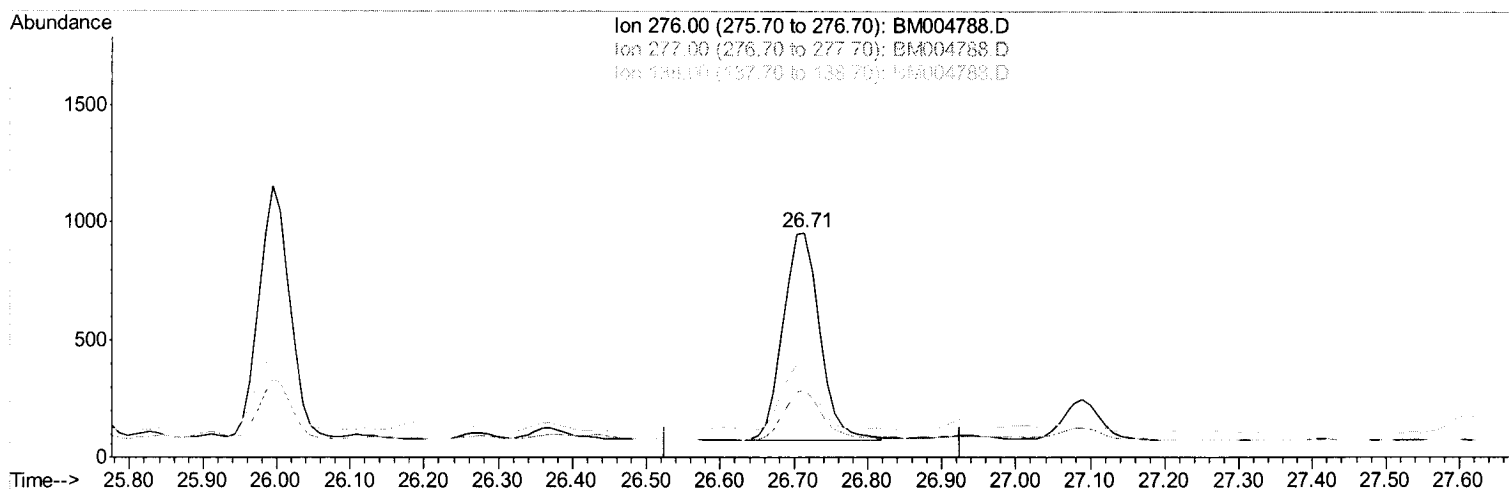
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004788.D
 Acq On : 25 Mar 2016 21:32
 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T48

Manual Integrations
 APPROVED

Sohil
 4/6/2016 1:28:55 PM

Quant Time: Apr 05 19:28:10 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004788.D

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

26.714min (-0.011) 0.18ng/ul m U.M
 response 3084 04/07/16

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	30.26#
138.00	28.10	39.16#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004788.D
 Acq On : 25 Mar 2016 21:32
 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T48

Manual Integrations
 APPROVED

Sohil
 4/6/2016 1:28:55 PM

Quant Time: Apr 05 19:30:38 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1265	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6165	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3905	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	8607m	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	8596	0.40	ng/ul	-0.01
22) Perylene-d12	23.68	264	7110m	0.40	ng/ul	-0.01

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System Monitoring Compounds

2) 1,4-Dioxane-d8	3.32	96	5731	10.05	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	3000	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	7948	0.39	ng/ul	0.00

Target Compounds

						Qvalue
5) Naphthalene	10.67	128	633	0.04	ng/ul#	68
9) Acenaphthylene	14.18	152	855	0.05	ng/ul#	85
14) Phenanthrene	17.24	178	3354m	0.14	ng/ul	
15) Anthracene	17.33	178	983	0.04	ng/ul#	75
17) Fluoranthene	19.27	202	9189	0.33	ng/ul	96
19) Pyrene	19.63	202	9256	0.31	ng/ul#	96
20) Benzo(a)anthracene	21.37	228	3900	0.15	ng/ul#	90
21) Chrysene	21.42	228	5362	0.21	ng/ul#	90
23) Benzo(b)fluoranthene	22.98	252	7661m	0.32	ng/ul	
24) Benzo(k)fluoranthene	23.02	252	2788m	0.13	ng/ul	
25) Benzo(a)pyrene	23.58	252	6700m	0.31	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.99	276	3208m	0.16	ng/ul	
27) Dibenzo(a,h)anthracene	26.01	278	856m	0.05	ng/ul	
28) Benzo(g,h,i)perylene	26.71	276	3084m	0.18	ng/ul	

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