

(QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM120216\

Data File : BM008154.D

Acq On : 02 Dec 2016 13:52

Operator : UM/SJ

Sample : H5730-07

Misc :

ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA M

ClientSampleId :

A4WH2

Manual Integrations

APPROVED

sohil

12/5/2016 11:17:25 AM

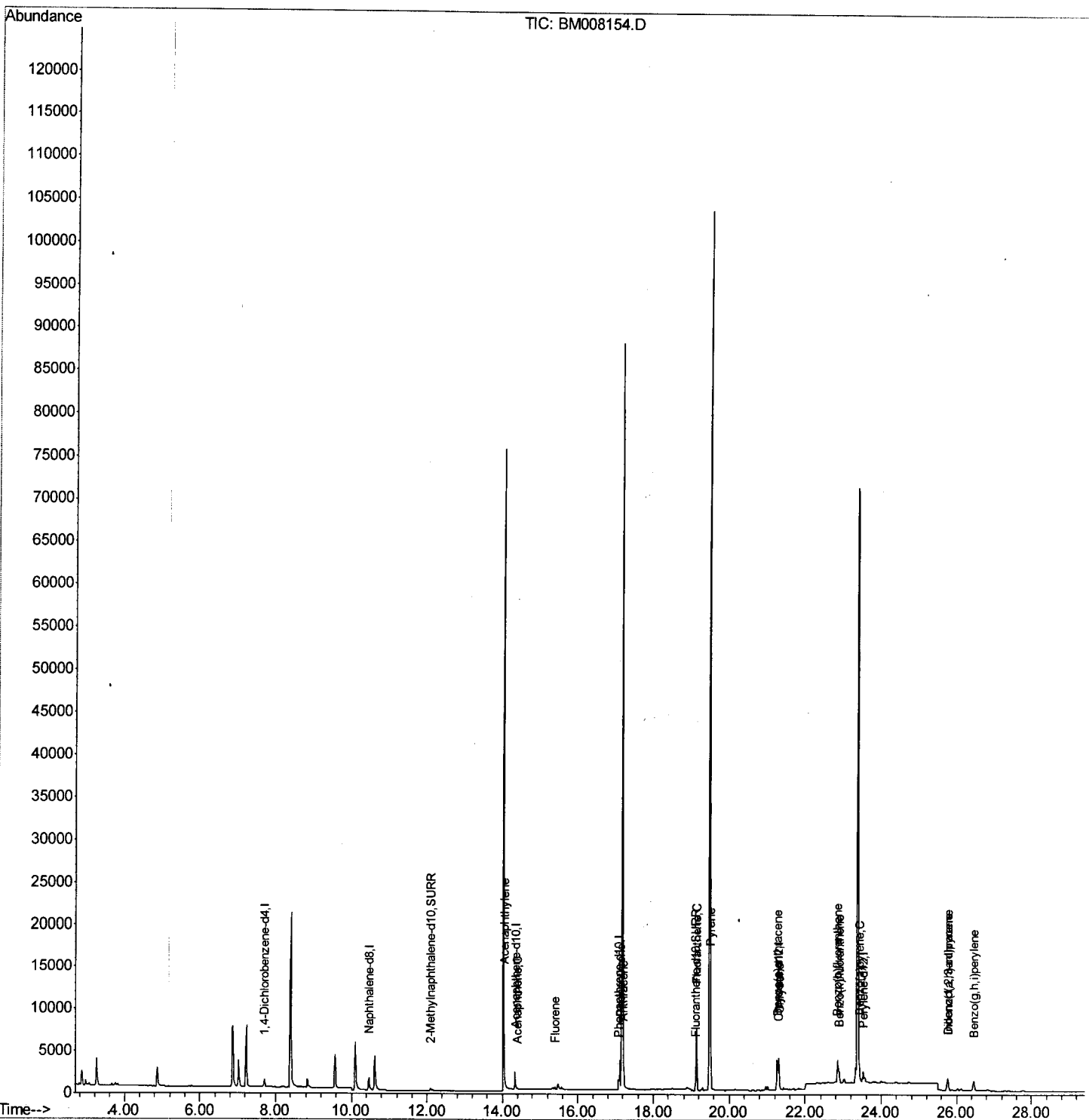
Quant Time: Dec 02 16:59:07 2016

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Dec 02 15:28:31 2016

Response via : Initial Calibration



Quantitation Report (Qedit)

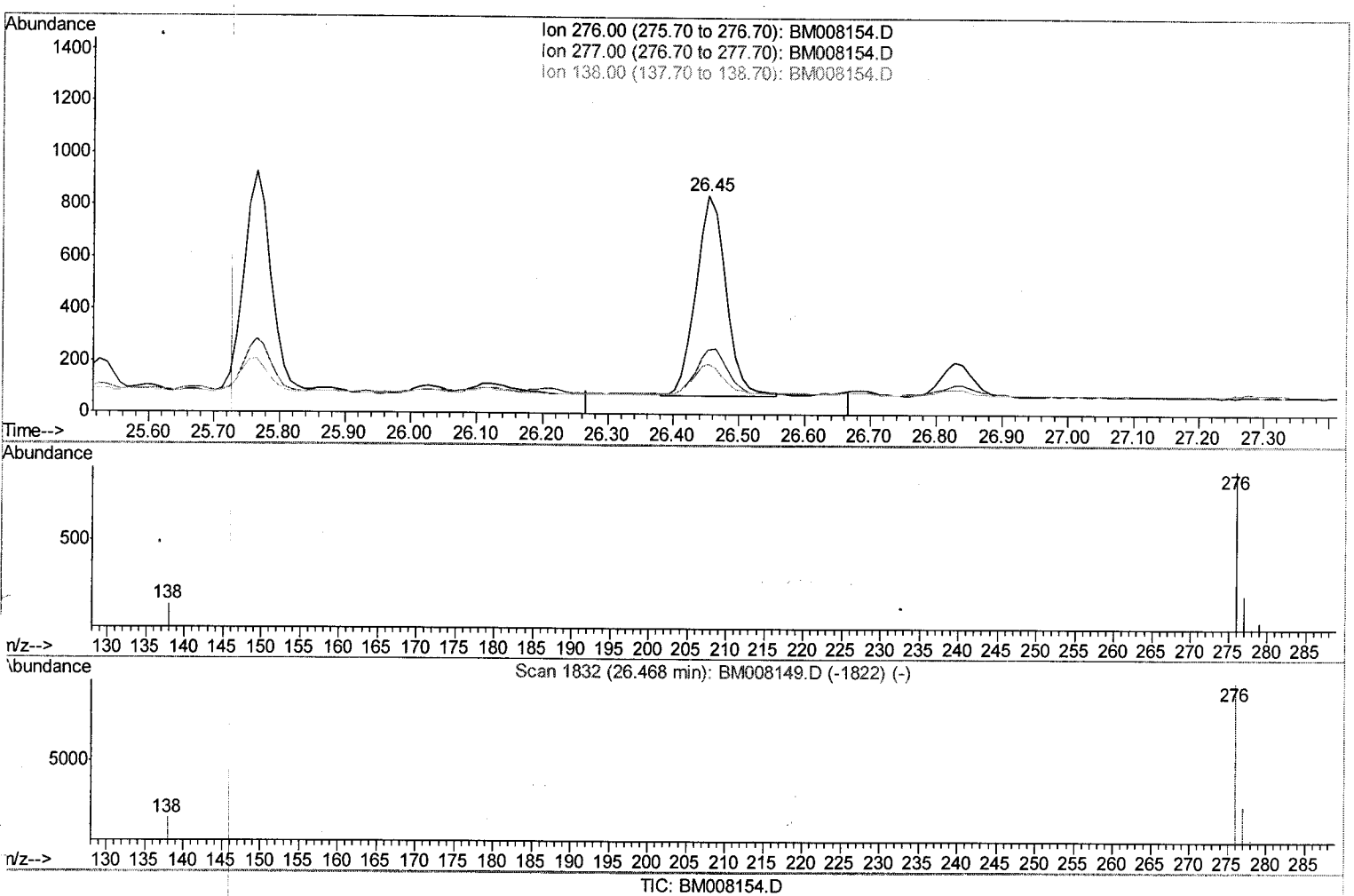
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008154.D
 Acq On : 02 Dec 2016 13:52
 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH2

Manual Integrations
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Quant Time: Dec 02 16:56:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
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(26) Benzo(g,h,i)perylene

26.454min (-0.014) 0.36ng/ul m

response 2468

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	29.47
138.00	25.60	23.20
0.00	0.00	0.00

79.7
 12/06/16

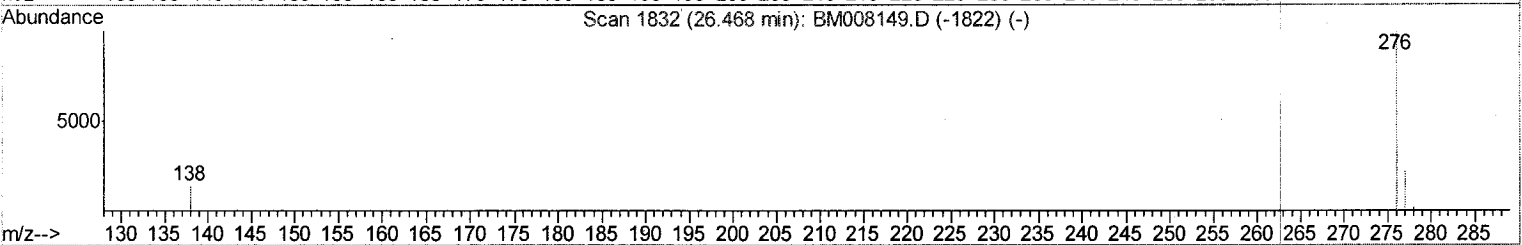
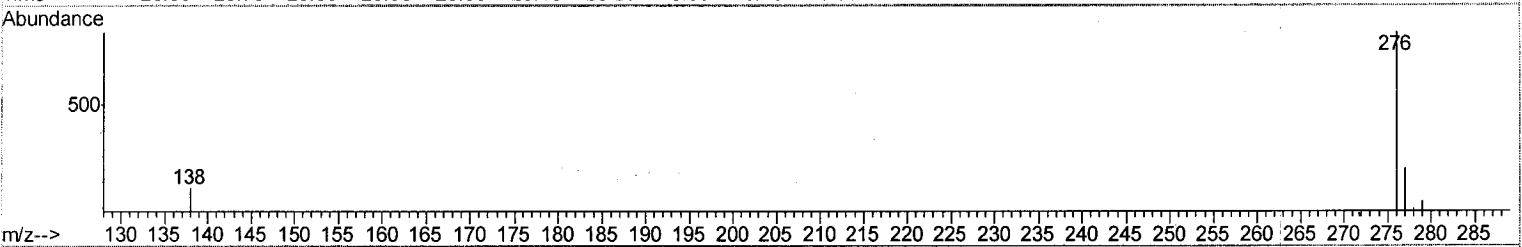
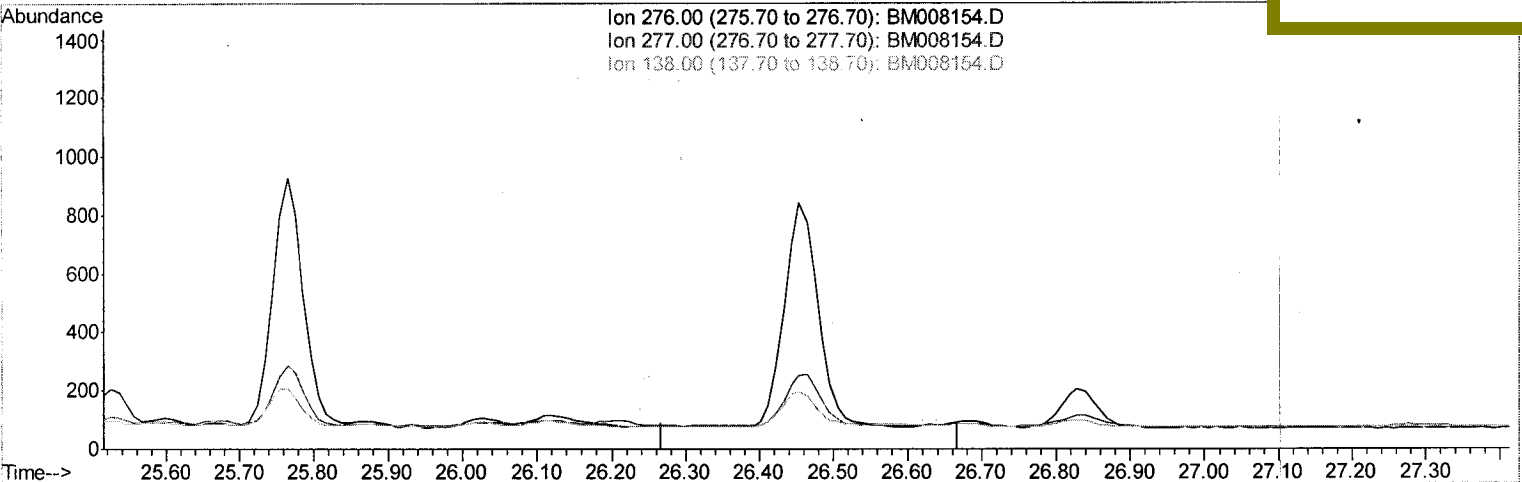
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
Data File : BM008154.D
Acq On : 02 Dec 2016 13:52
Operator : UM/SJ
Sample : H5730-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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(26) Benzo(g,h,i)perylene

26.468min (-26.468) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

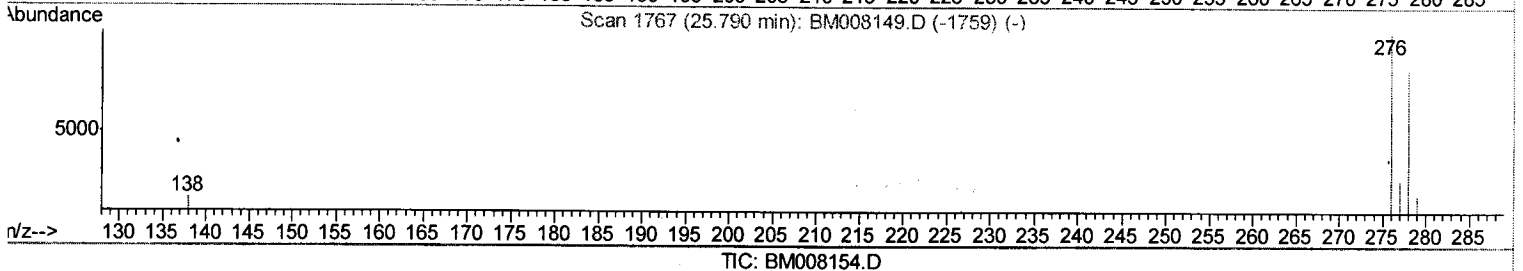
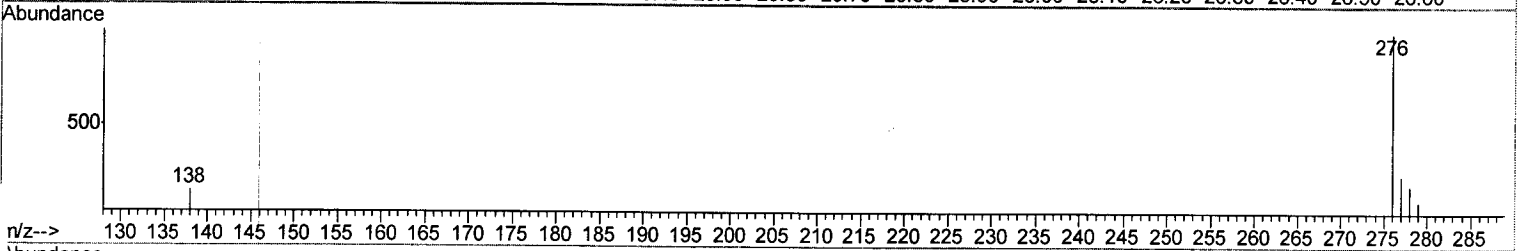
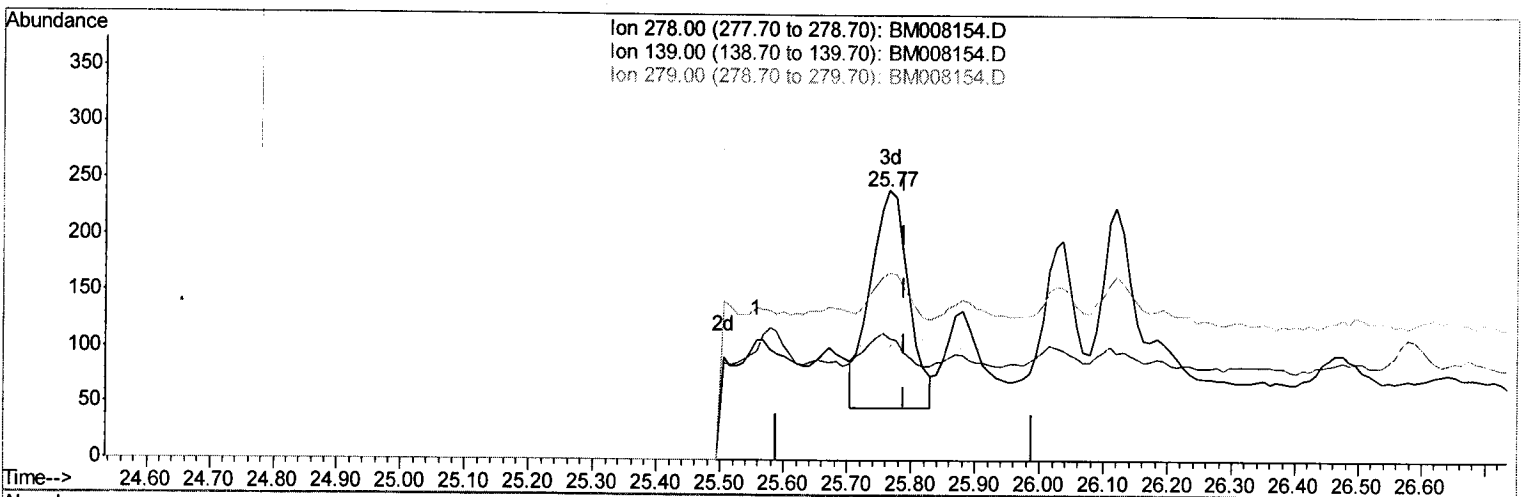
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(25) Dibenzo(a,h)anthracene

25.766min (-0.024) 0.13ng/ul m

response 811

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	45.64#
279.00	32.40	69.71#
0.00	0.00	0.00

> 5.1
 12/06/16

Quantitation Report (Qedit)

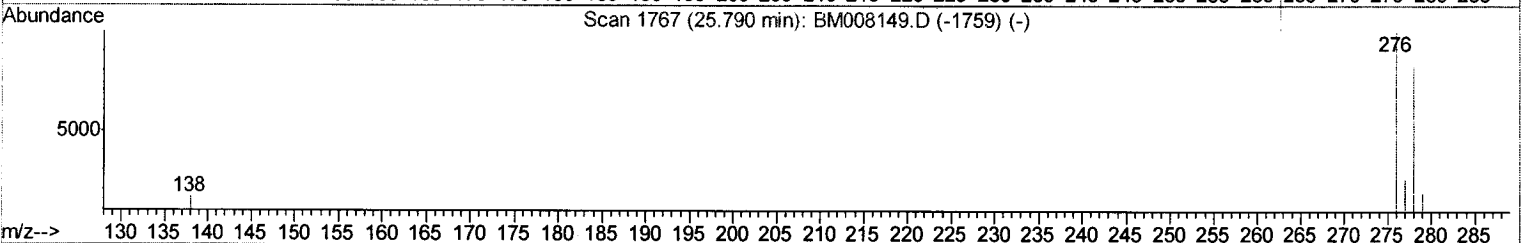
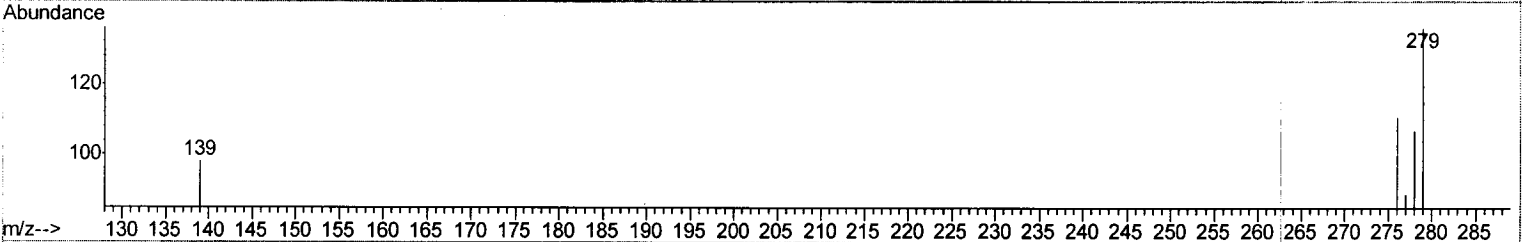
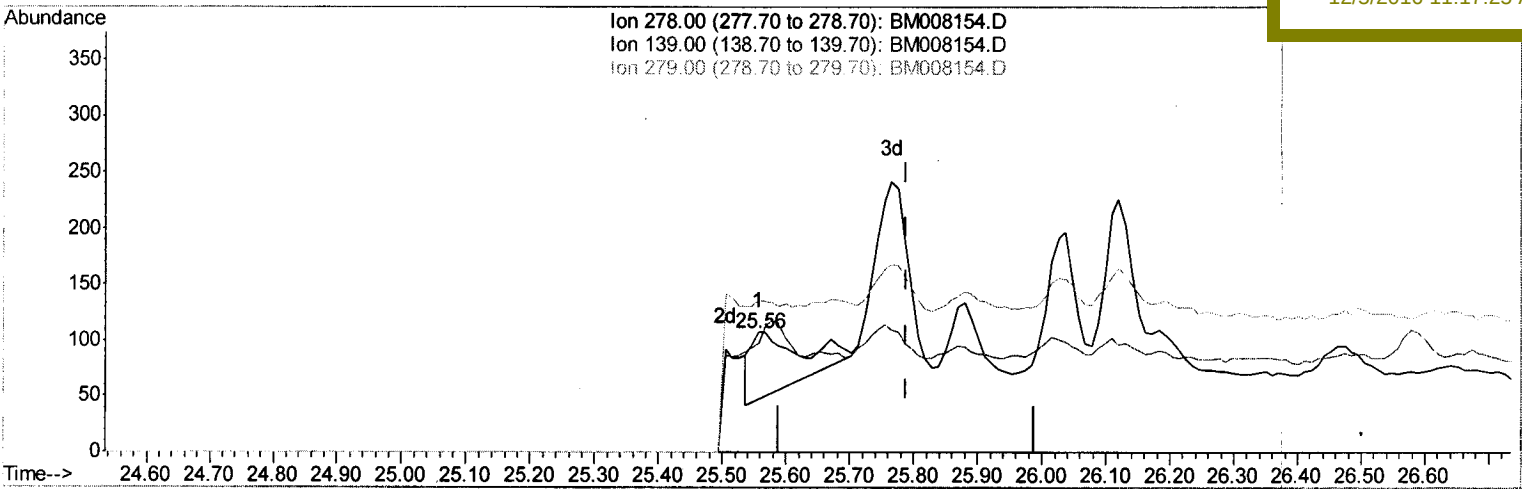
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
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 Operator : UM/SJ
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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(25) Dibenzo(a,h)anthracene

25.557min (-0.233) 0.05ng/ul

response 298

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	91.59#
279.00	32.40	127.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

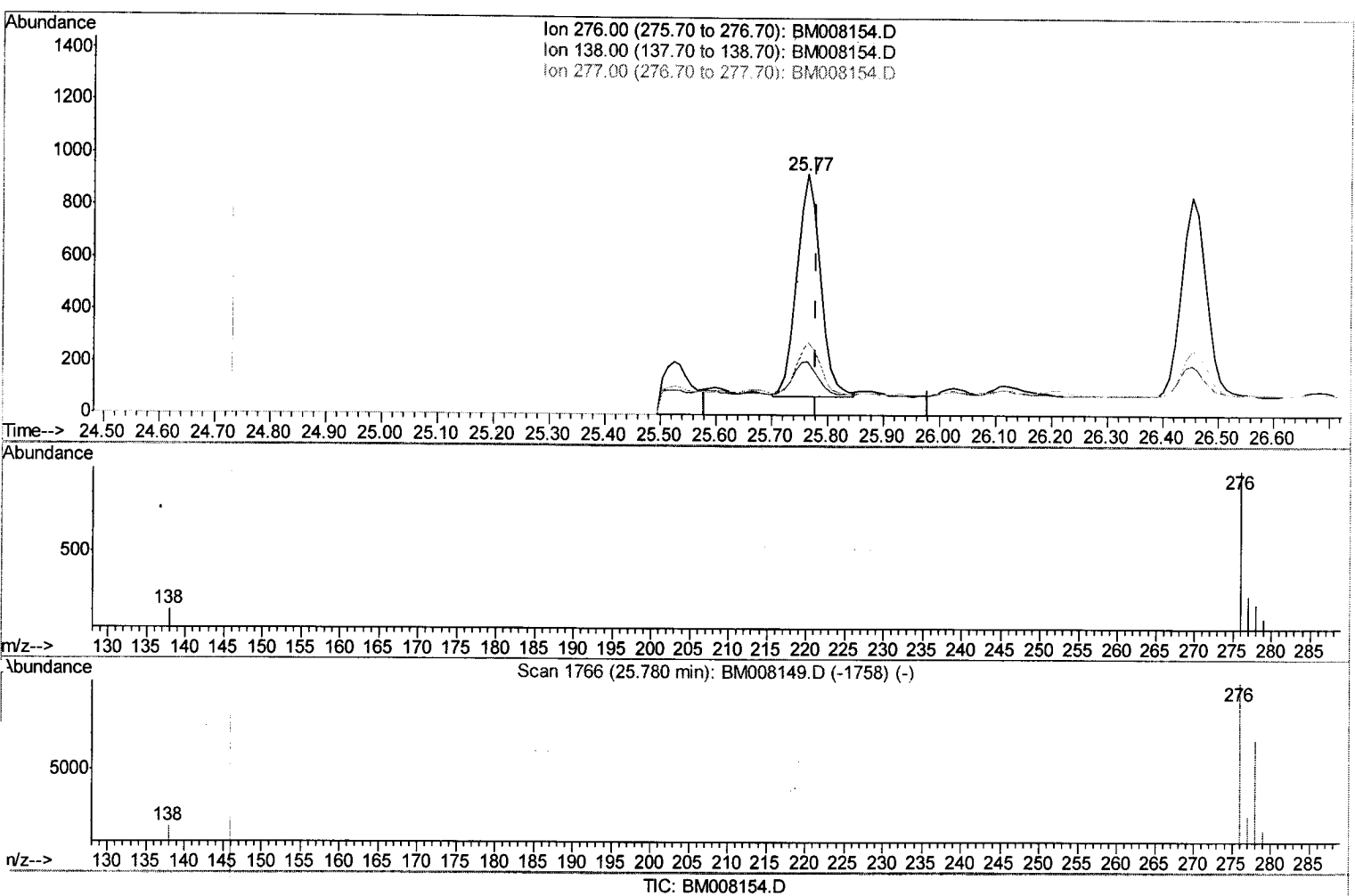
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008154.D
 Acq On : 02 Dec 2016 13:52
 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH2

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

25.766min (-0.014) 0.32ng/ul m

response 2519

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	42.91#
277.00	24.50	48.47#
0.00	0.00	0.00

SJ
 12/06/16

Quantitation Report (Qedit)

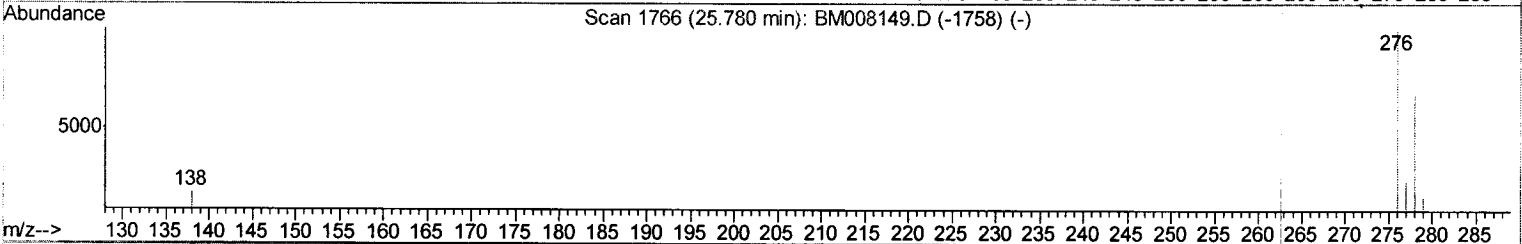
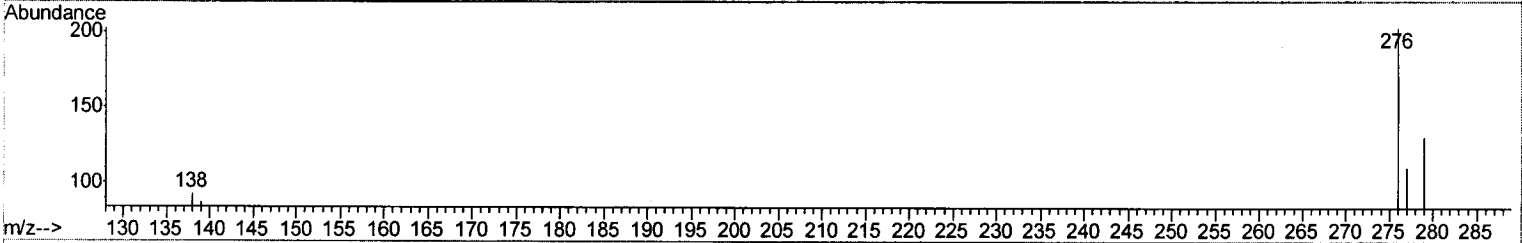
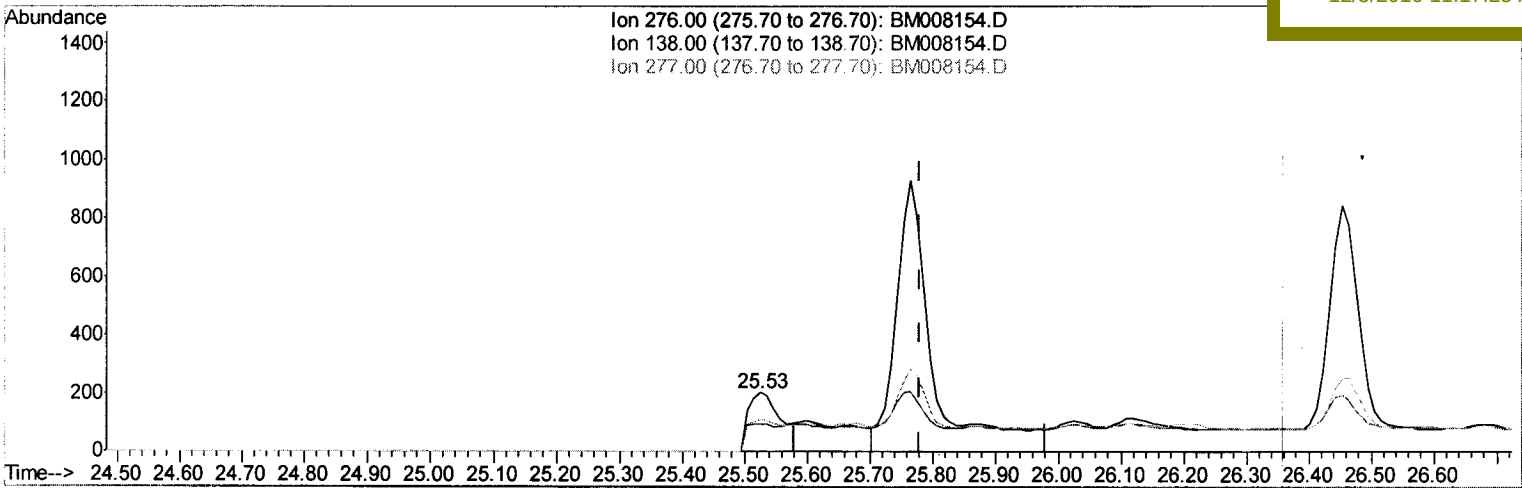
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 Data File : BM008154.D
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 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 A4WH2

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Manual Integrations
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TIC: BM008154.D

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

25.526min (-0.254) 0.18ng/ul

response 1394

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	77.55#
277.00	24.50	87.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

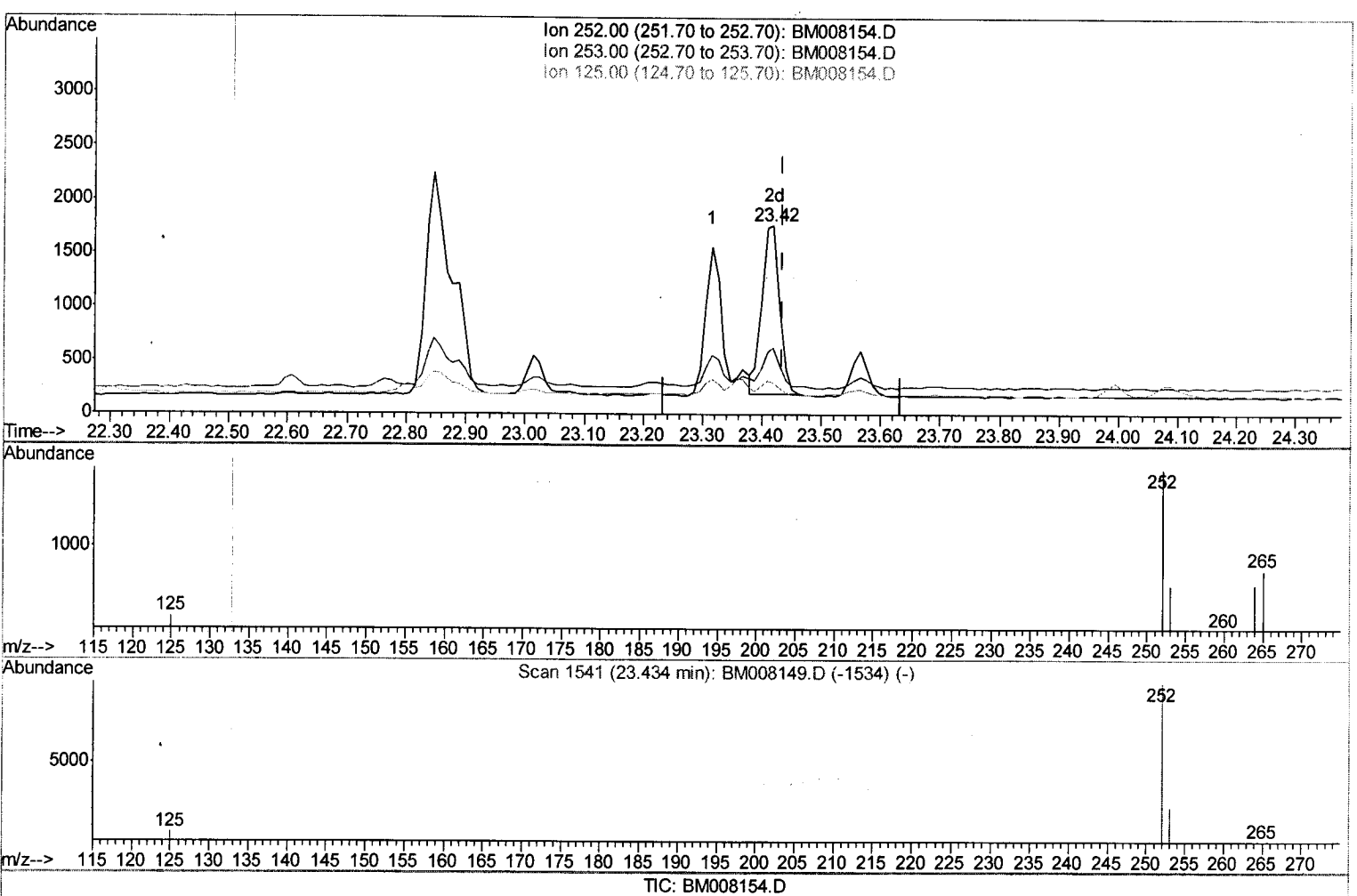
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 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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(23) Benzo(a)pyrene (C)

23.420min (-0.014) 0.52ng/ul m

response 3280

Ion Exp% Act%

252.00 100 100

253.00 35.60 34.90

125.00 22.60 16.94#

0.00 0.00 0.00

79.7
 12/06/16

Quantitation Report (Qedit)

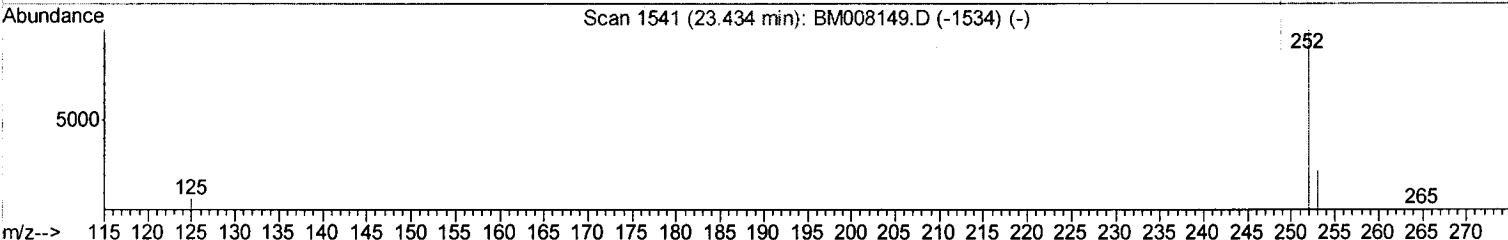
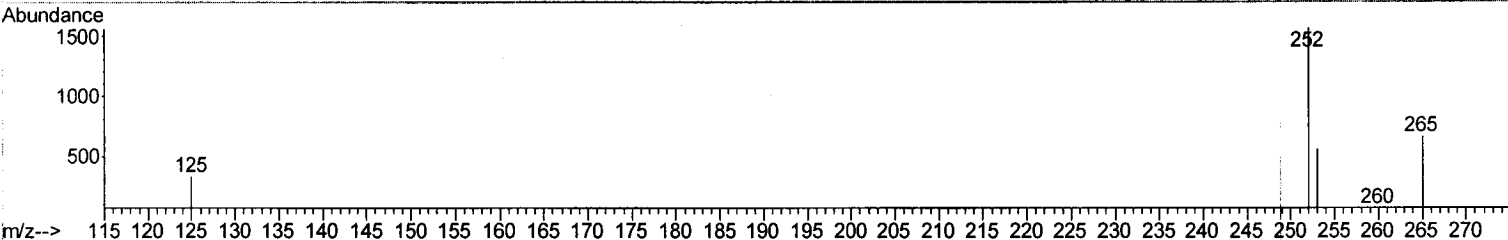
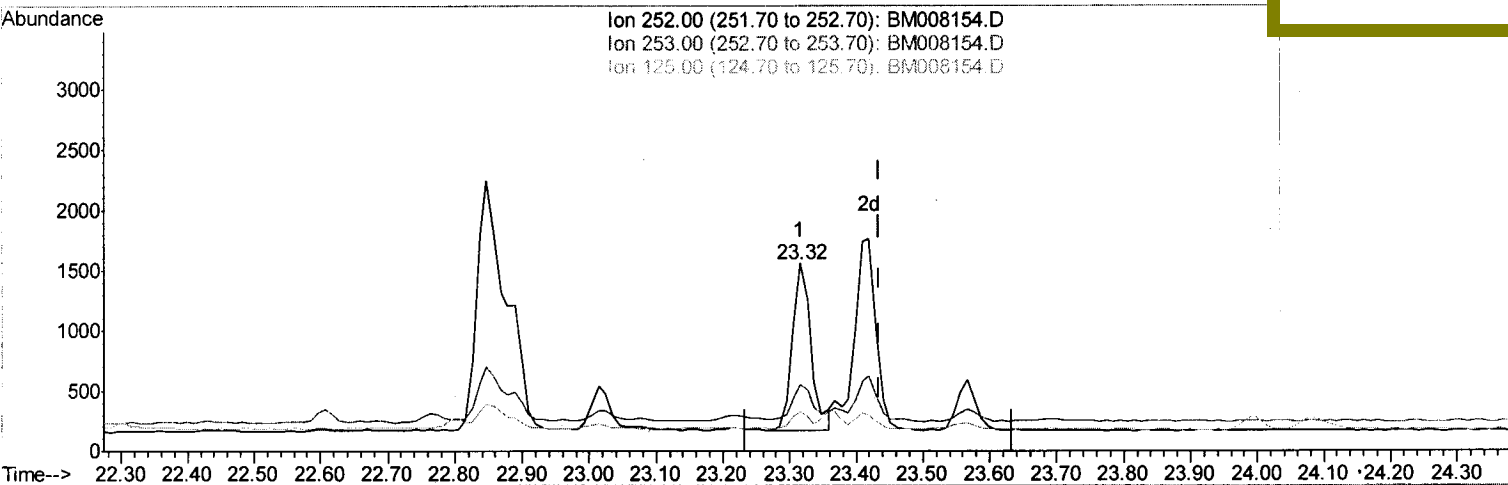
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 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH2

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TIC: BM008154.D

(23) Benzo(a)pyrene (C)

23.316min (-0.118) 0.43ng/ul

response 2687

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.62
125.00	22.60	21.18
0.00	0.00	0.00

Quantitation Report (Qedit)

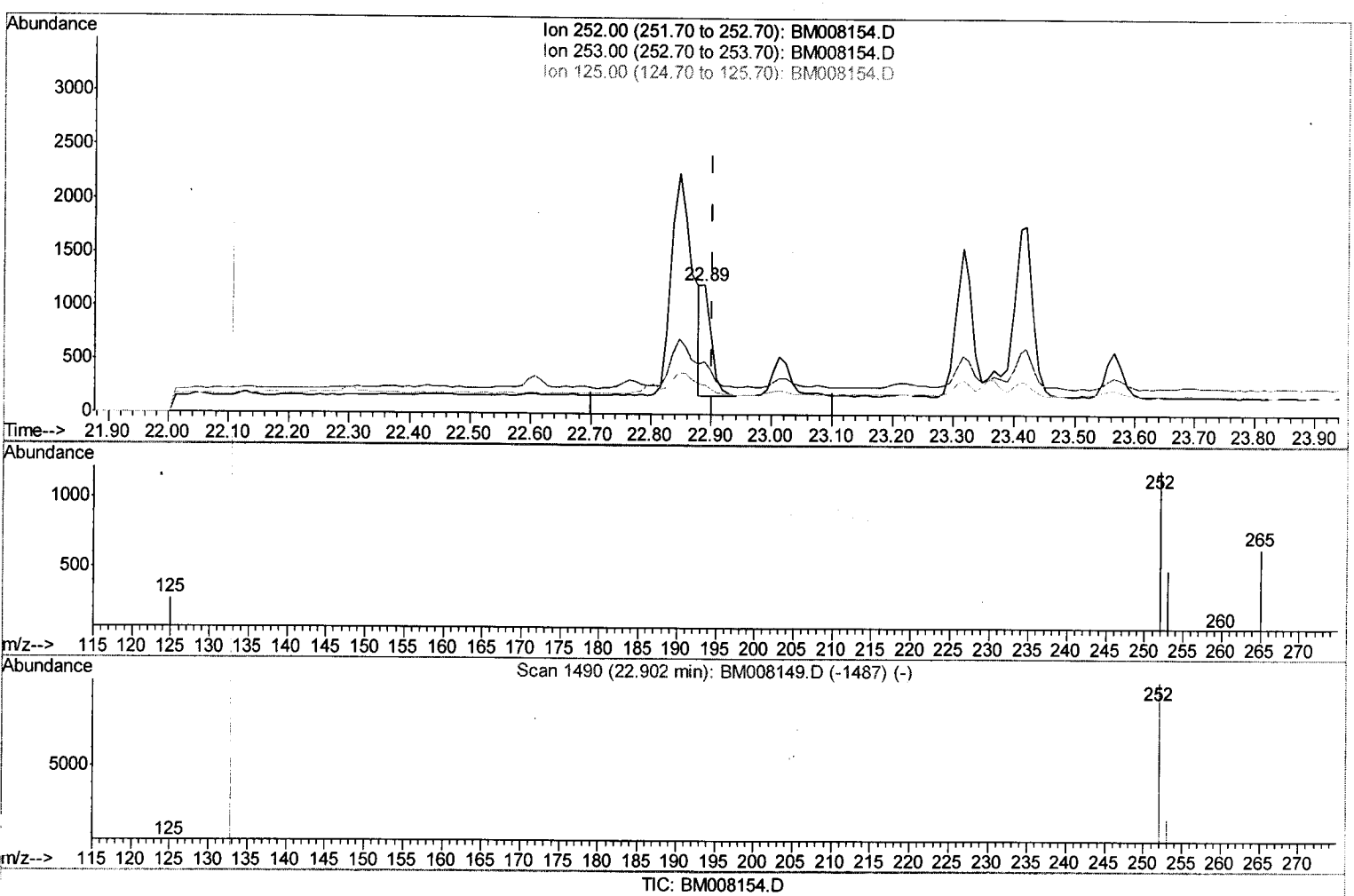
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 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH2

Manual Integrations
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 12/5/2016 11:17:25 AM

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(22) Benzo(k)fluoranthene

22.888min (-0.014) 0.17ng/ul m

response 1179

Ion Exp% Act%

252.00 100 100

253.00 30.60 40.58#

125.00 17.10 22.56#

0.00 0.00 0.00

5.9
 12/06/16

Quantitation Report (Qedit)

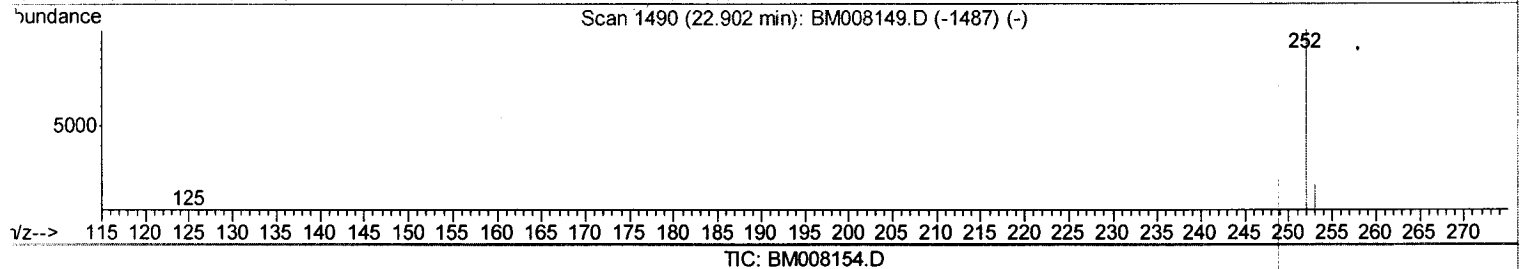
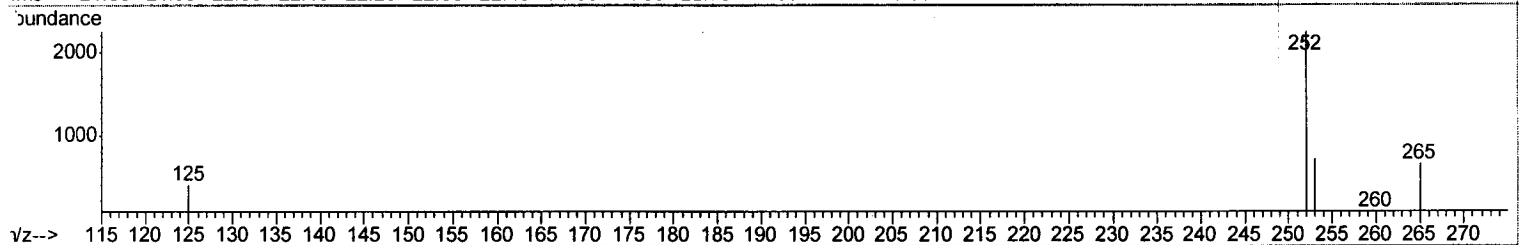
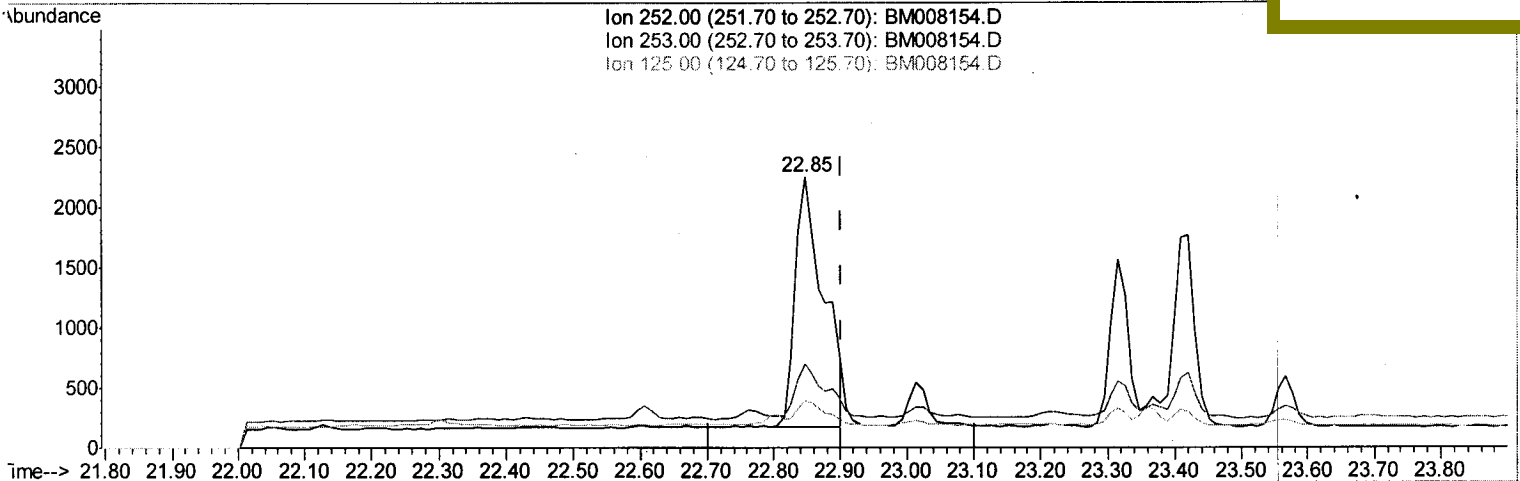
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Misc :
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12/5/2016 11:17:25 AM



(22) Benzo(k)fluoranthene

22.847min (-0.056) 0.88ng/ul

response 6109

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.26
125.00	17.10	17.32
0.00	0.00	0.00

Quantitation Report (Qedit)

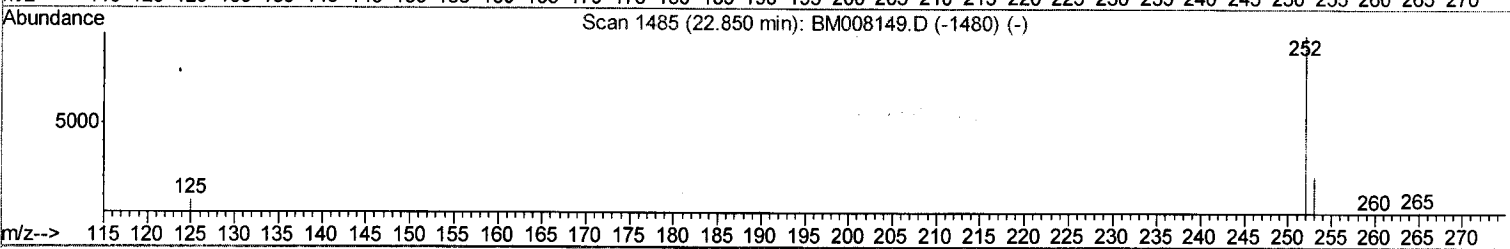
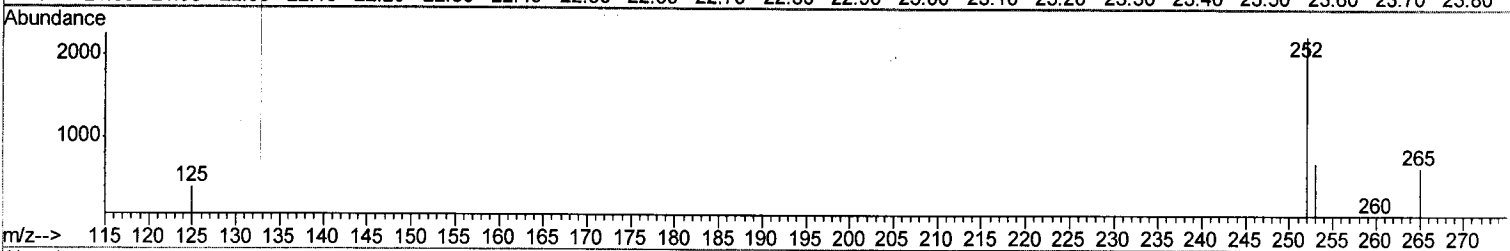
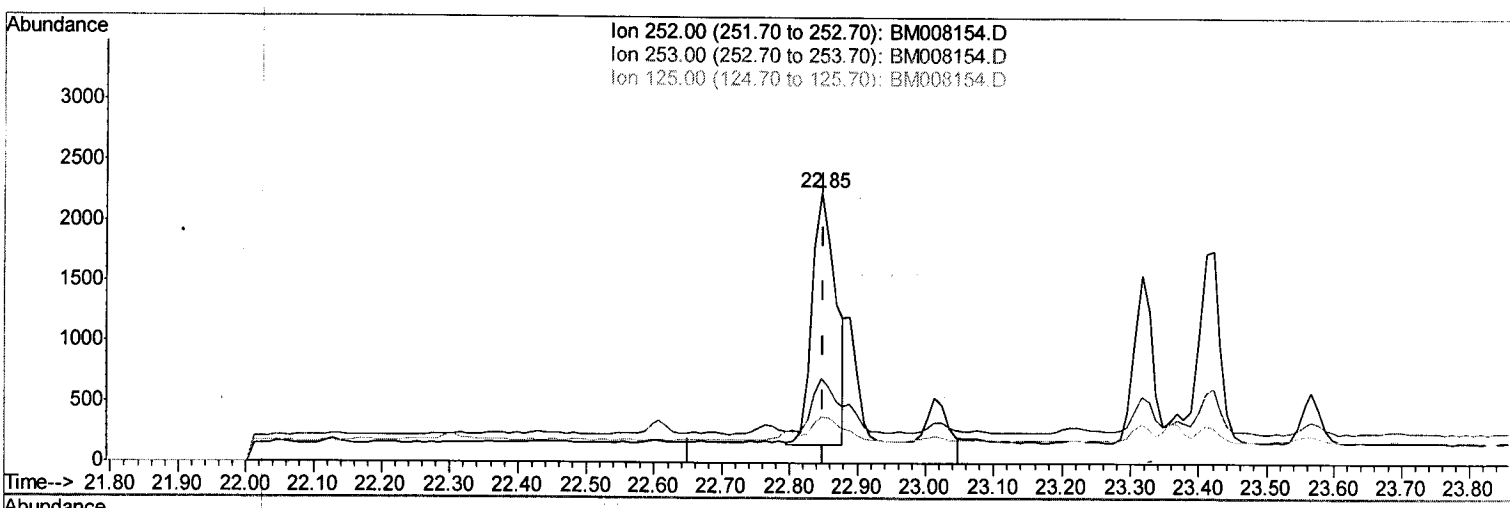
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
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Instrument :
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 Client Sample ID :
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Manual Integrations
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 12/5/2016 11:17:25 AM

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(21) Benzo(b)fluoranthene

22.847min (-0.004) 0.77ng/ul m

response 5202

Ion Exp% Act%

252.00 100 100

253.00 32.10 31.26

125.00 17.50 17.32

0.00 0.00 0.00

78.9
 12/06/16

Quantitation Report (Qedit)

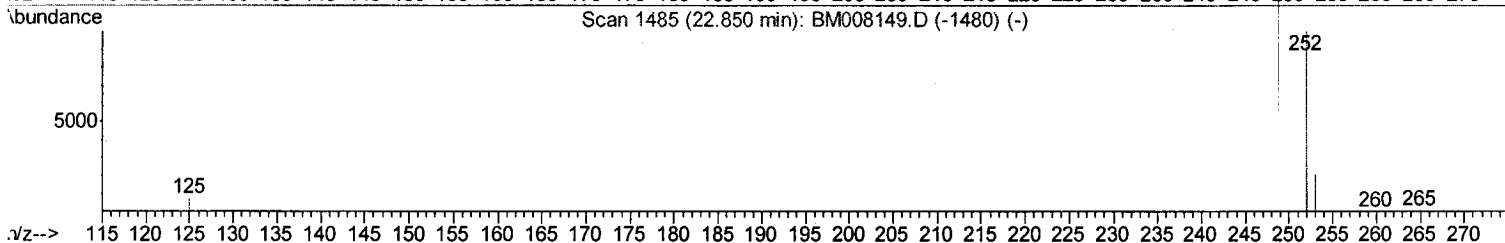
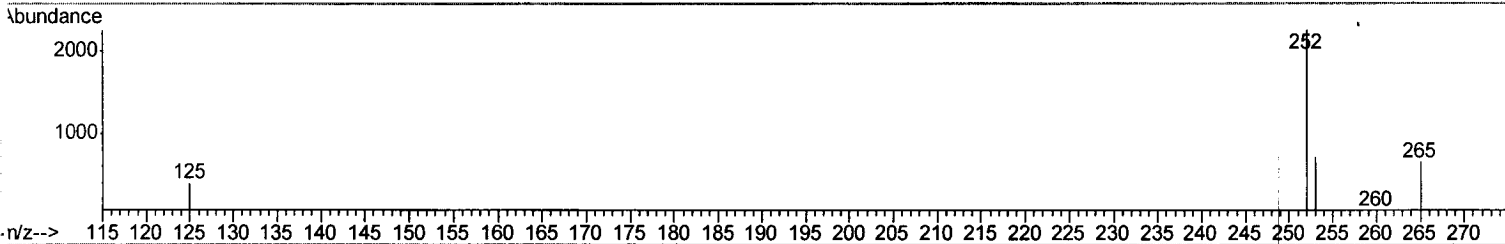
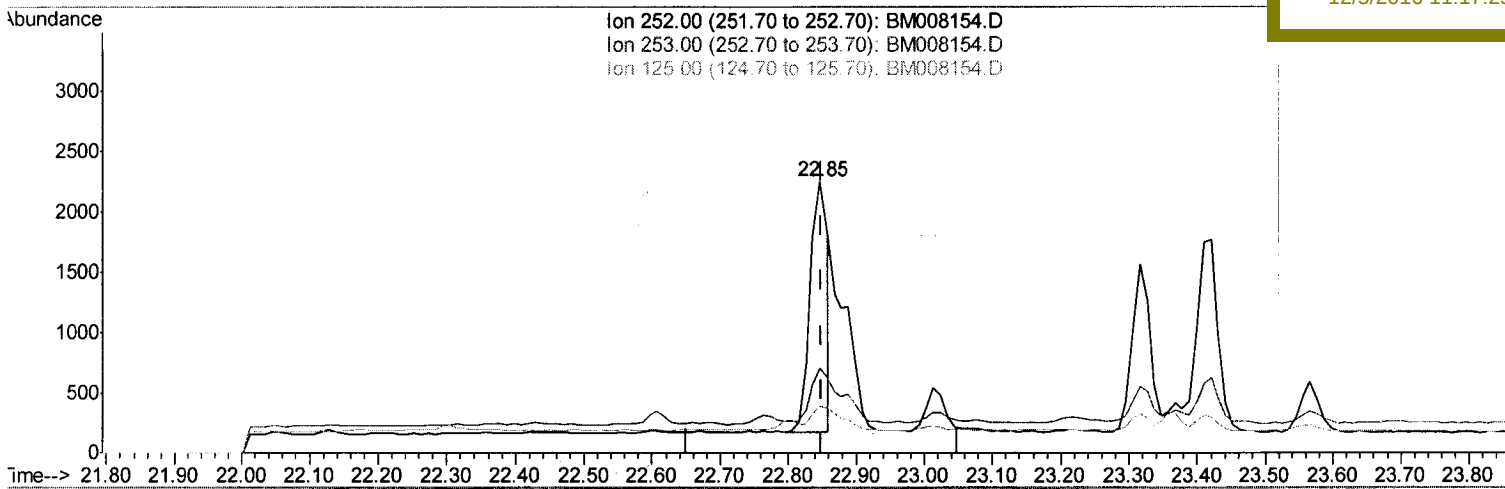
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 12/5/2016 11:17:25 AM



TIC: BM008154.D

(21) Benzo(b)fluoranthene

22.847min (-0.004) 0.56ng/ul

response 3744

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	31.26
125.00	17.50	17.32
0.00	0.00	0.00

Quantitation Report (Qedit)

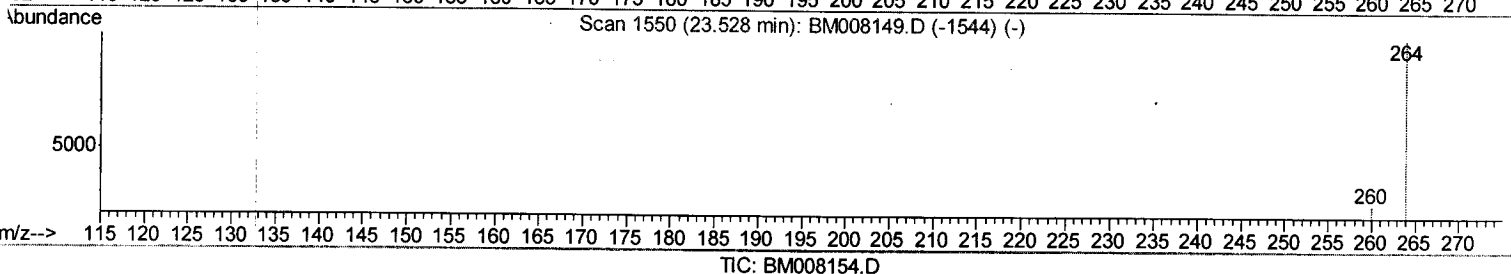
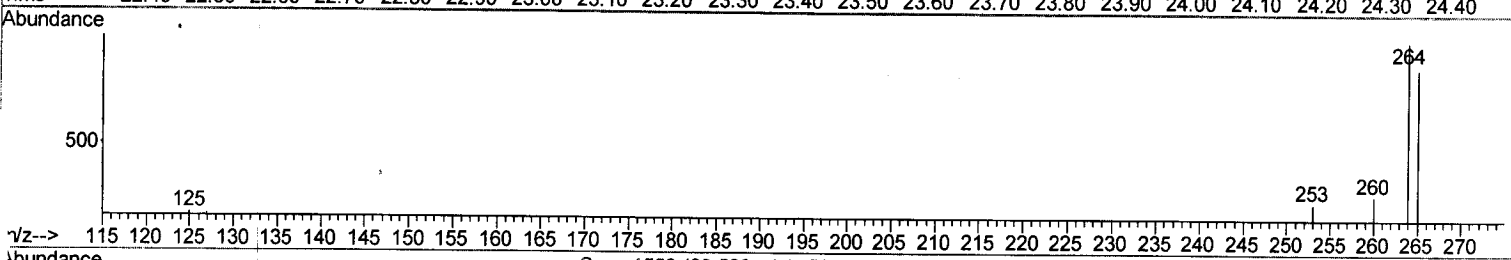
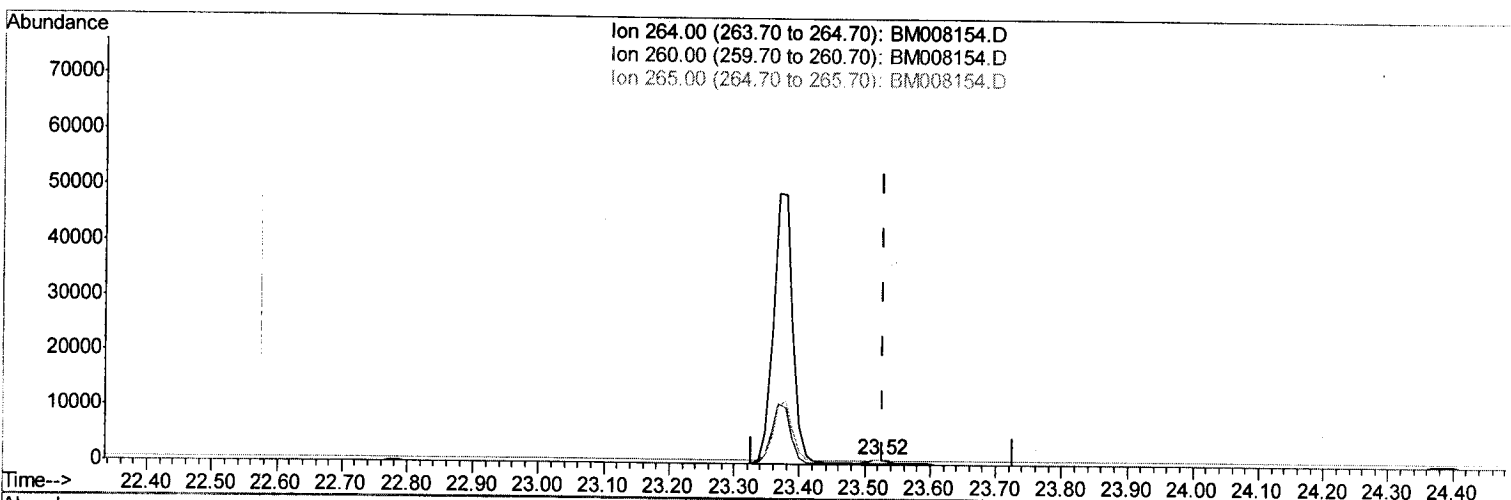
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TIC: BM008154.D

(20) Perylene-d12 (I)

23.524min (-0.004) 0.40ng/ul m

response 1684

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.47
265.00	103.50	87.89
0.00	0.00	0.00

5.7
 12/06/16

Quantitation Report (Qedit)

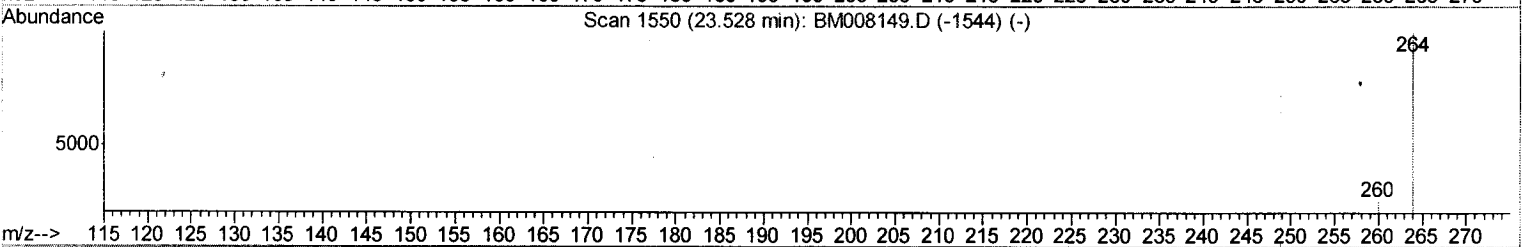
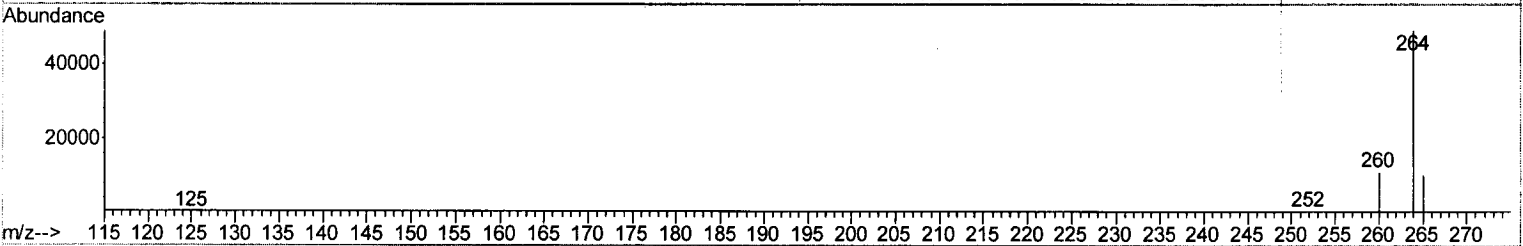
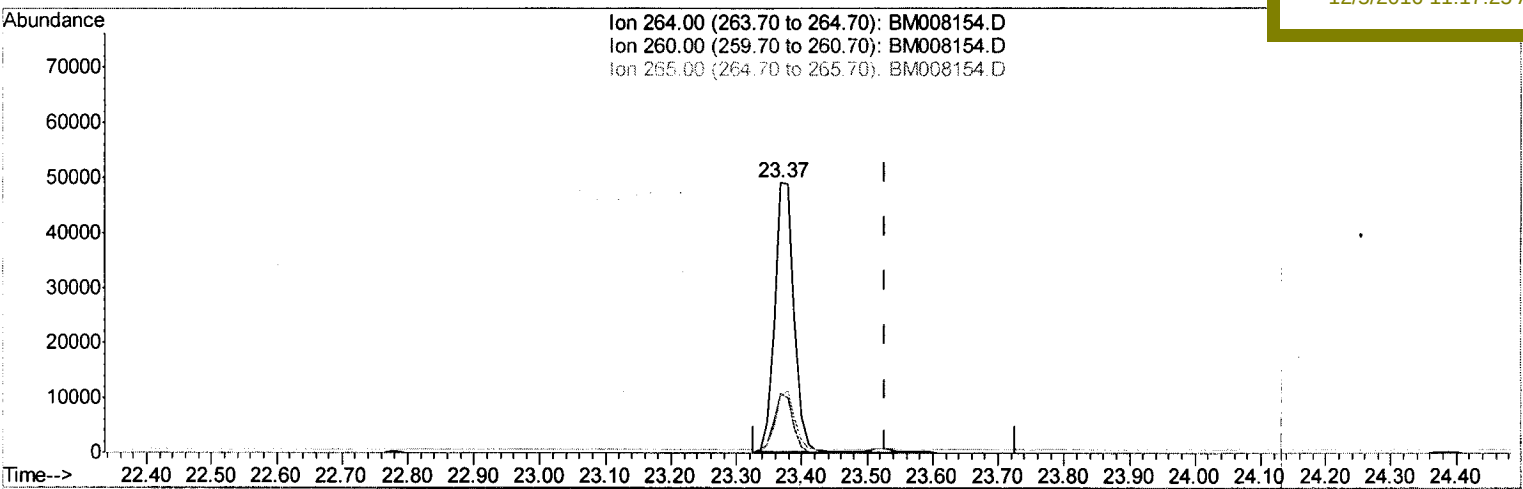
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 12/5/2016 11:17:25 AM



TIC: BM008154.D

(20) Perylene-d12 (I)

23.368min (-0.160) 0.40ng/ul

response 100027

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.51#
265.00	103.50	21.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

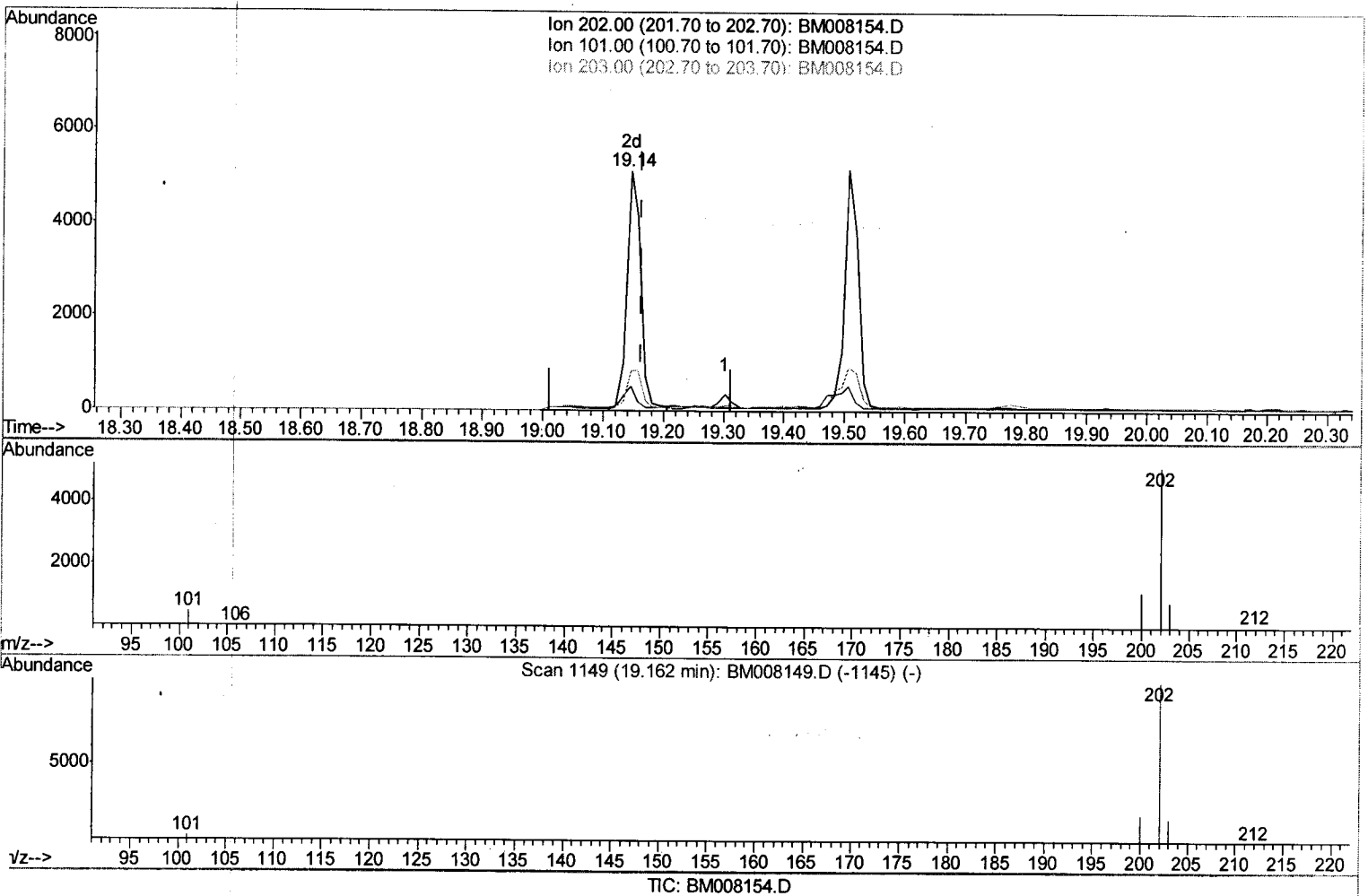
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
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Quant Time: Dec 02 16:55:19 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.145min (-0.017) 0.99ng/ul m

response 8338

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	9.88
203.00	19.50	16.72
0.00	0.00	0.00

> 9.9
 12/06/16

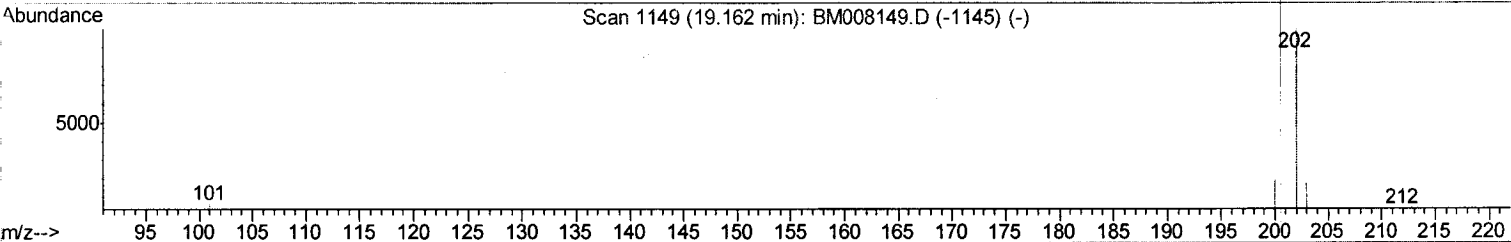
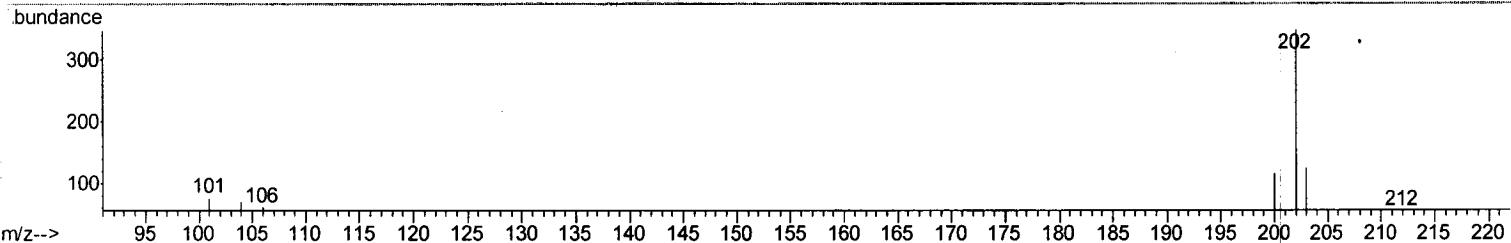
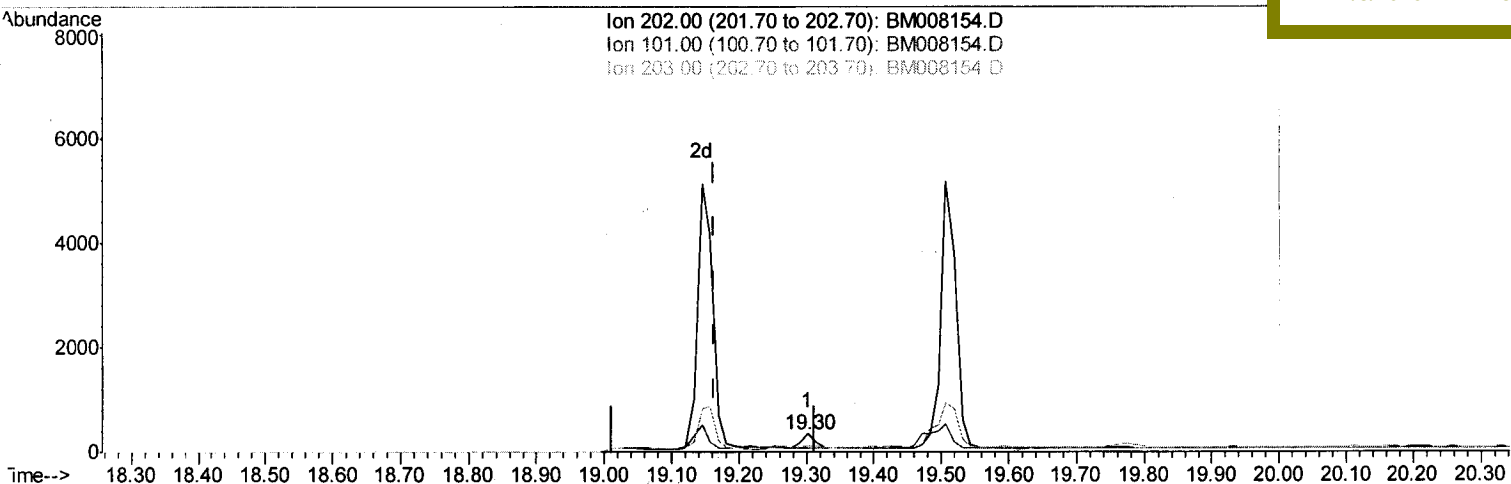
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
Data File : BM008154.D
Acq On : 02 Dec 2016 13:52
Operator : UM/SJ
Sample : H5730-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WH2

Quant Time: Dec 02 16:55:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 15:28:31 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
12/5/2016 11:17:25 AM



TIC: BM008154.D

(15) Fluoranthene (C)

19.302min (+0.140) 0.04ng/ul

response 367

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	22.13
203.00	19.50	35.92
0.00	0.00	0.00

Quantitation Report (Qedit)

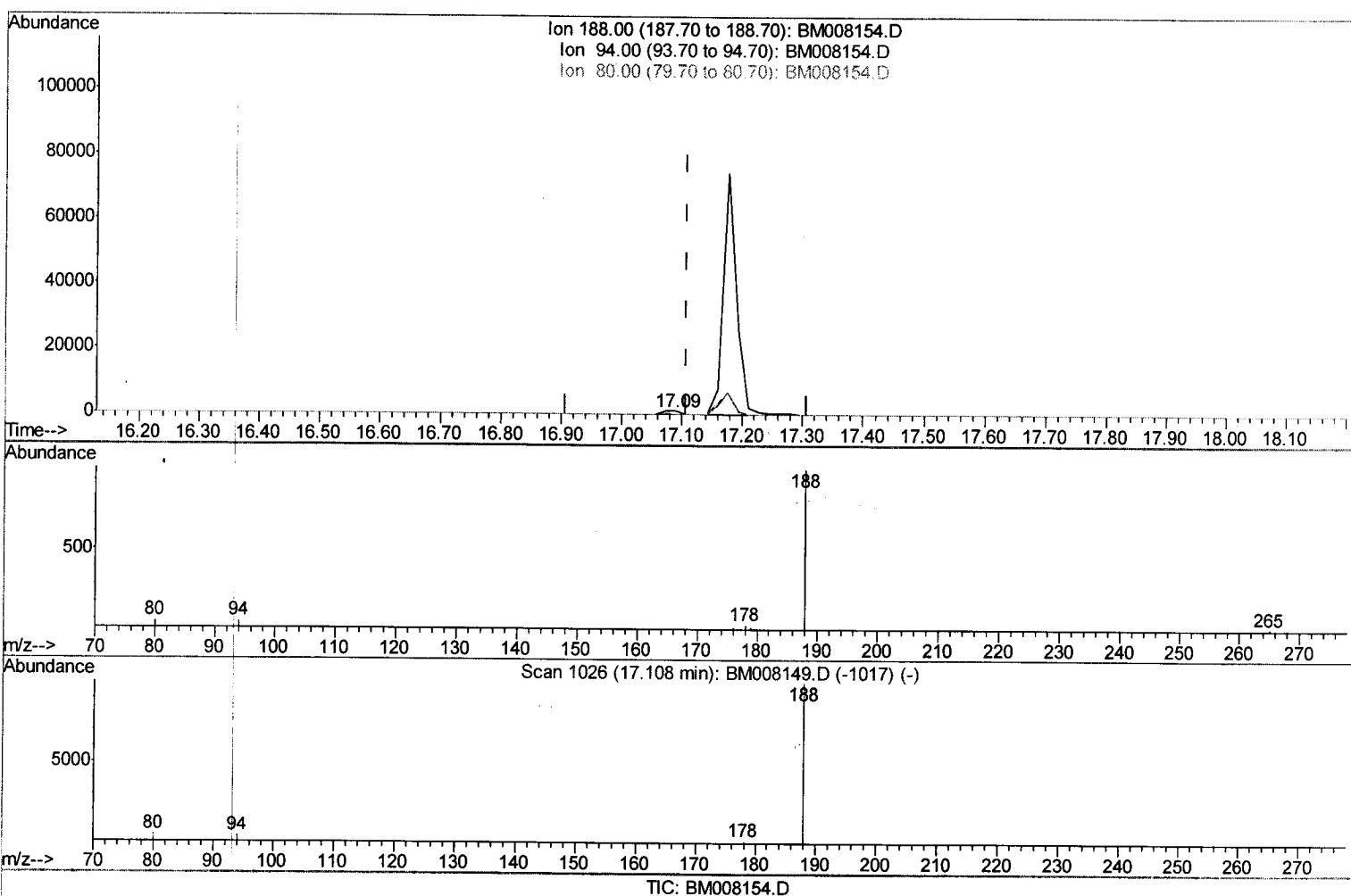
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008154.D
 Acq On : 02 Dec 2016 13:52
 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH2

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:25 AM

Quant Time: Dec 02 16:54:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.090min (-0.017) 0.40ng/ul m

response 2086

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.11
80.00	11.80	8.80#
0.00	0.00	0.00

5.9
 12/06/16

Quantitation Report (Qedit)

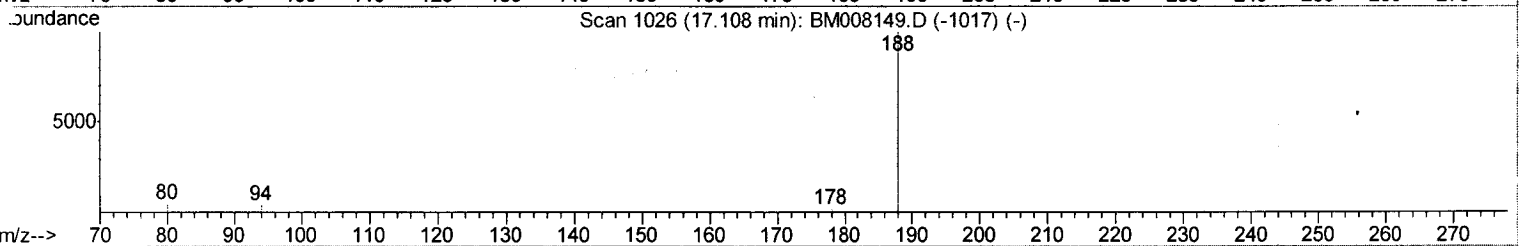
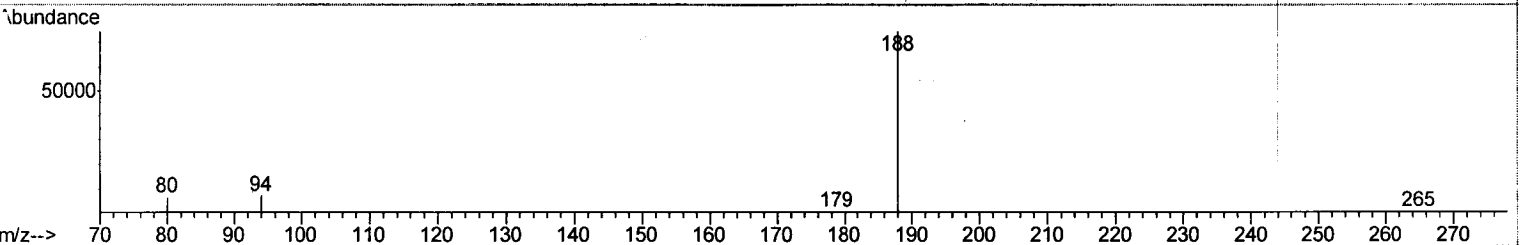
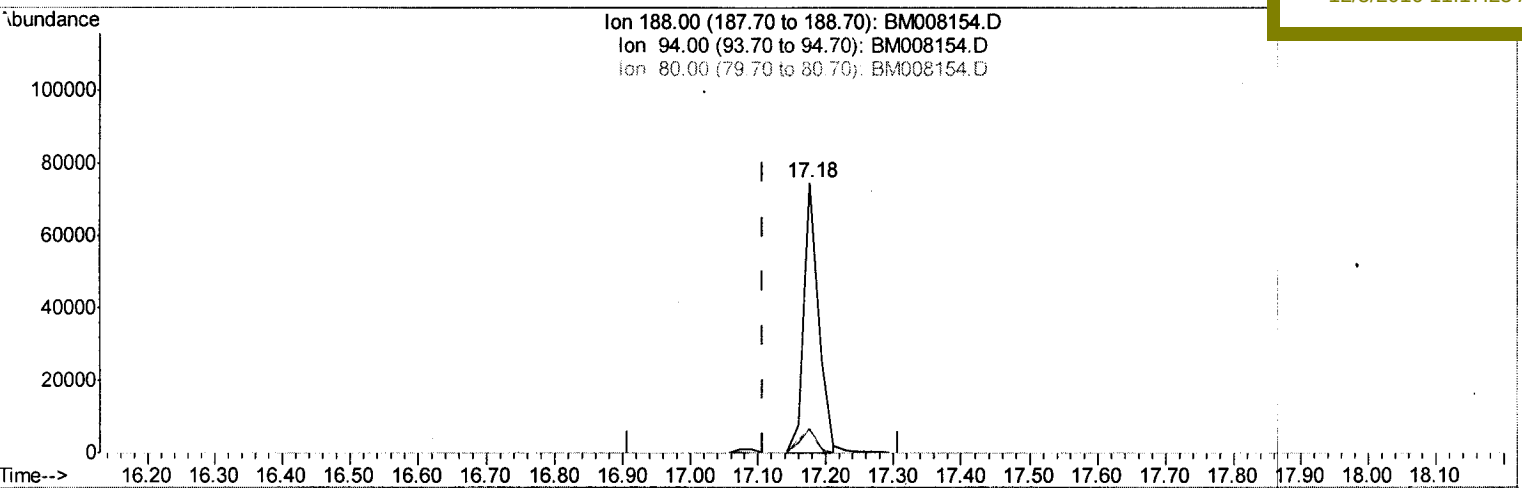
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008154.D
 Acq On : 02 Dec 2016 13:52
 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 A4WH2

Quant Time: Dec 02 16:54:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
 12/5/2016 11:17:25 AM



TIC: BM008154.D

(10) Phenanthrene-d10 (I)

17.176min (+0.068) 0.40ng/ul

response 112235

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.33
80.00	11.80	8.60#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008154.D
 Acq On : 02 Dec 2016 13:52
 Operator : UM/SJ
 Sample : H5730-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH2

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:25 AM

Quant Time: Dec 02 16:59:07 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	631	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.48	136	2094	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	1179	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.09	188	2086m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1987	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	1684m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	726	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1366	0.23	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	14.04	152	846	0.16	ng/ul#	85
8) Acenaphthene	14.38	153	145	0.04	ng/ul#	85
9) Fluorene	15.39	166	290	0.06	ng/ul#	87
12) Phenanthrene	17.12	178	4311	0.66	ng/ul	94
13) Anthracene	17.21	178	1121	0.18	ng/ul#	86
15) Fluoranthene	19.14	202	8338m	0.99	ng/ul	
17) Pyrene	19.51	202	7964	1.15	ng/ul	98
18) Benzo(a)anthracene	21.26	228	3219	0.53	ng/ul	93
19) Chrysene	21.31	228	3884	0.51	ng/ul	95
21) Benzo(b)fluoranthene	22.85	252	5202m	0.77	ng/ul	
22) Benzo(k)fluoranthene	22.89	252	1179m	0.17	ng/ul	
23) Benzo(a)pyrene	23.42	252	3280m	0.52	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.77	276	2519m	0.32	ng/ul	
25) Dibenzo(a,h)anthracene	25.77	278	811m	0.13	ng/ul	
26) Benzo(g,h,i)perylene	26.45	276	2468m	0.36	ng/ul	

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