

Quantitation Report (QT Reviewed)

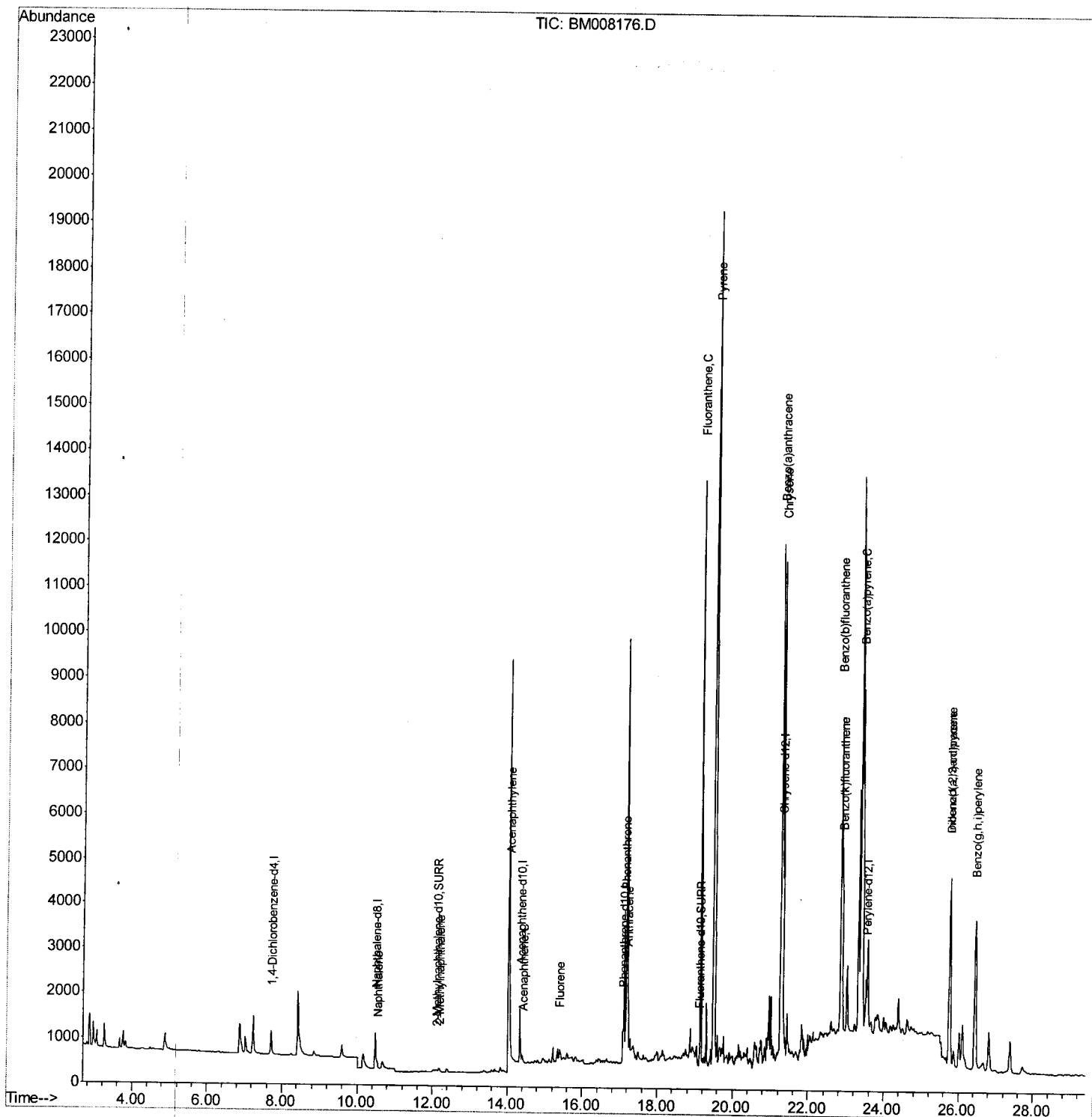
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 05:00:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



Quantitation Report (Qedit)

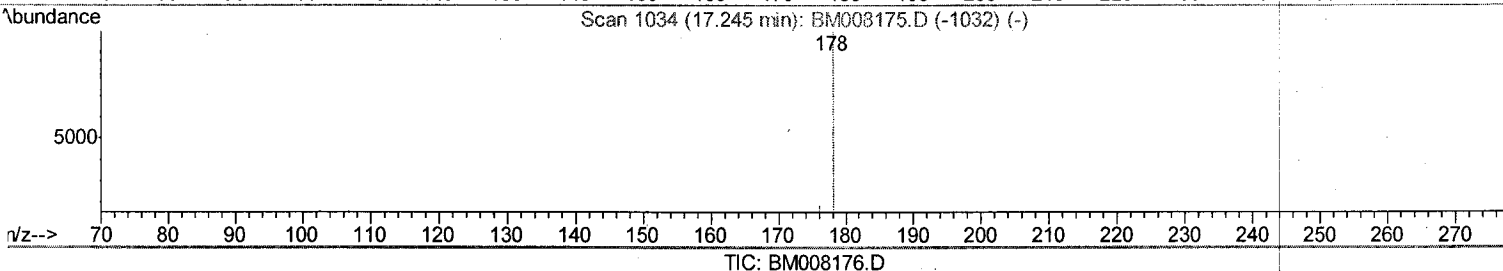
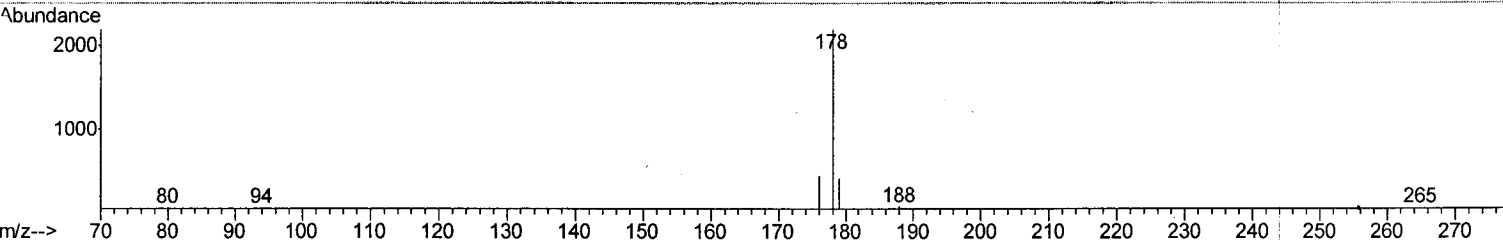
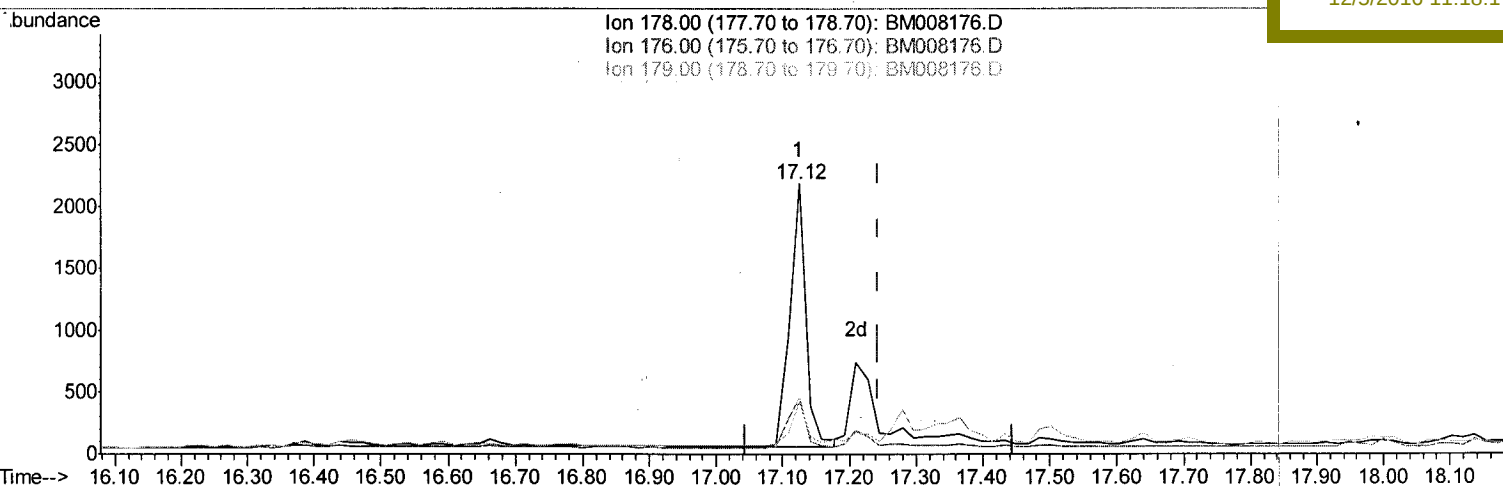
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
Data File : BM008176.D
Acq On : 03 Dec 2016 02:59
Operator : UM/SJ
Sample : H5730-05DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WG8DL

Manual Integrations
APPROVED

sohil
12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:56:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 03 04:54:05 2016
Response via : Initial Calibration



(13) Anthracene

17.125min (-0.120) 0.91ng/ul

response 3539

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	20.28
179.00	18.40	19.00
0.00	0.00	0.00

Quantitation Report (Qedit)

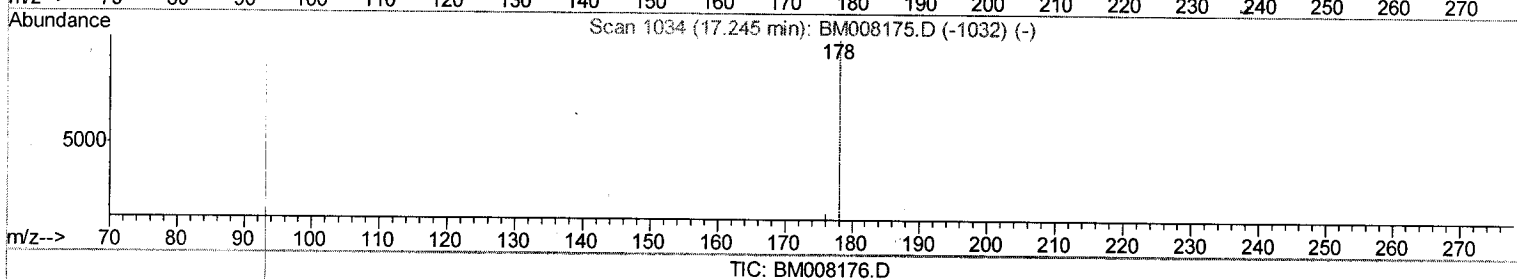
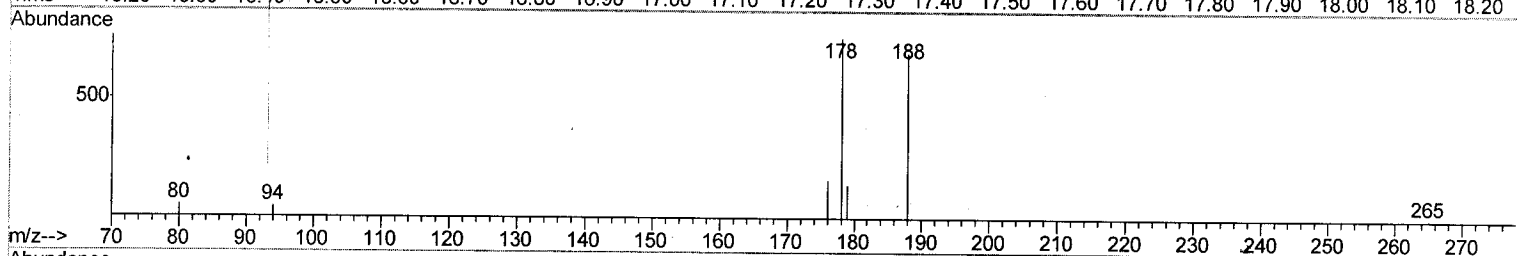
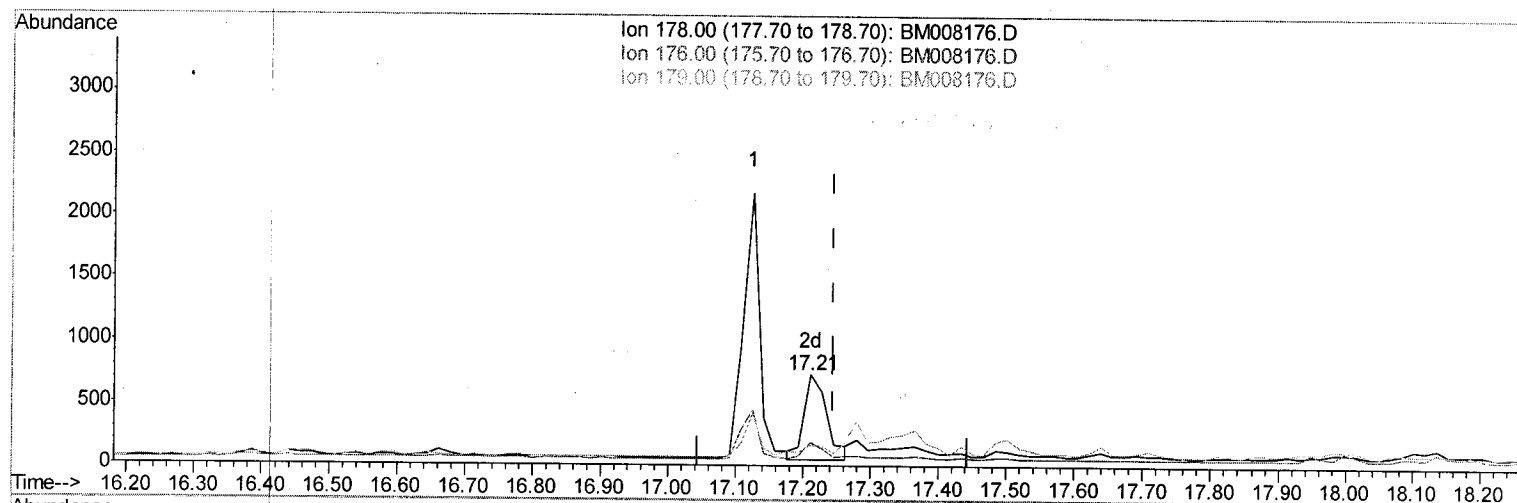
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:56:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



(13) Anthracene

17.210min (-0.034) 0.41ng/ul m

response 1607

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	26.16
179.00	18.40	23.57#
0.00	0.00	0.00

25.7
 12/06/16

Quantitation Report (Qedit)

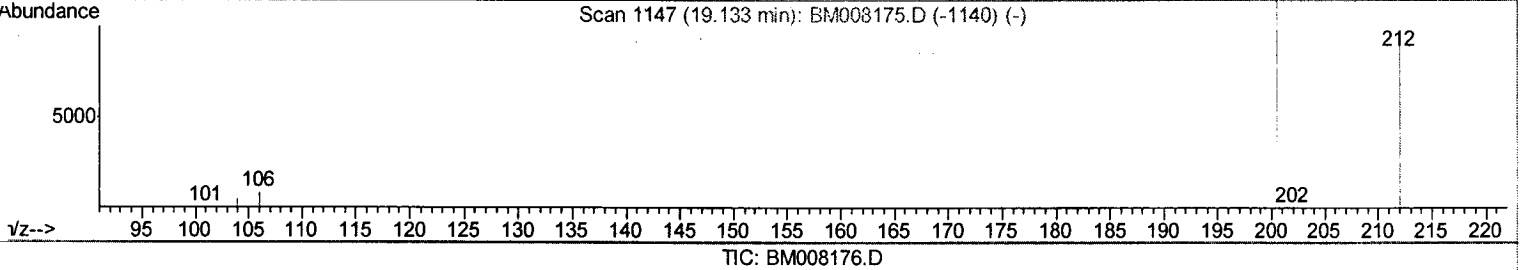
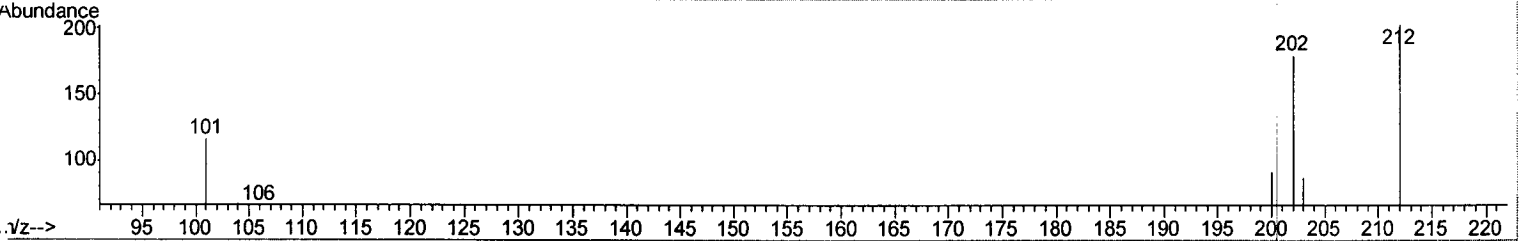
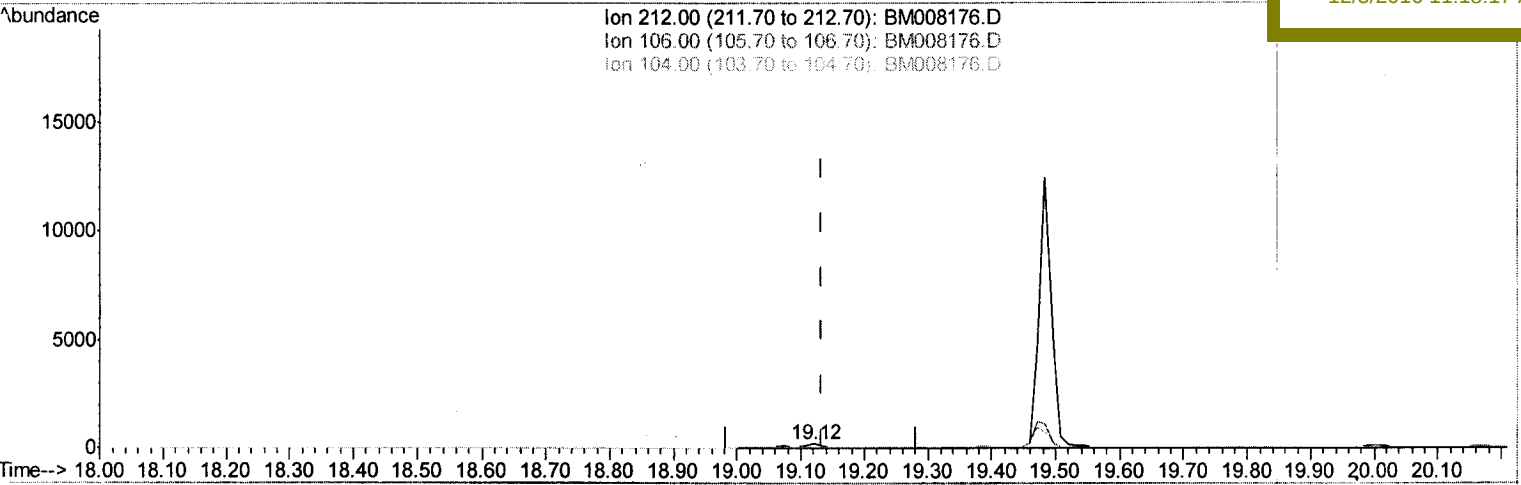
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:56:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.120min (-0.012) 0.28ng/ul

response 1039

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	76.32#
104.00	15.60	82.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

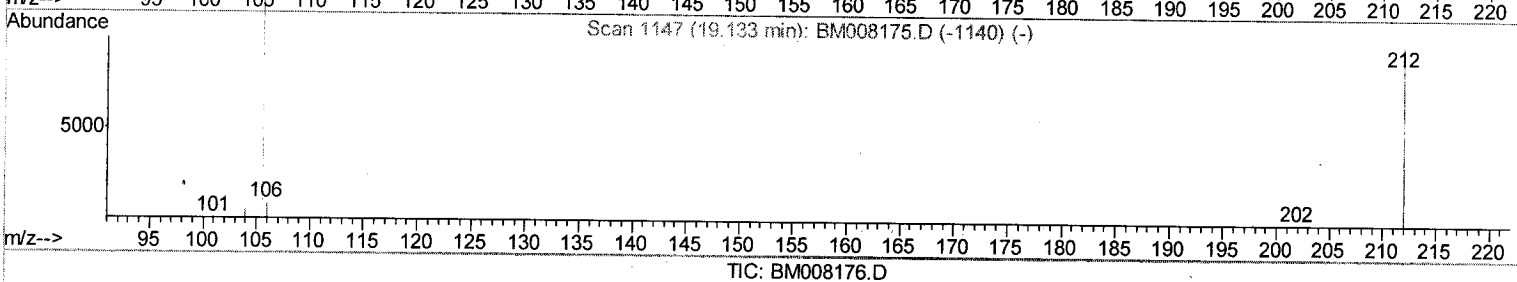
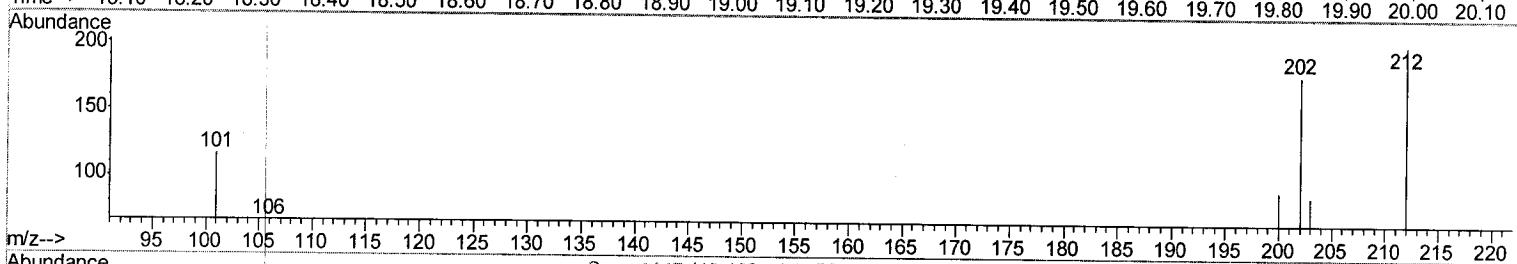
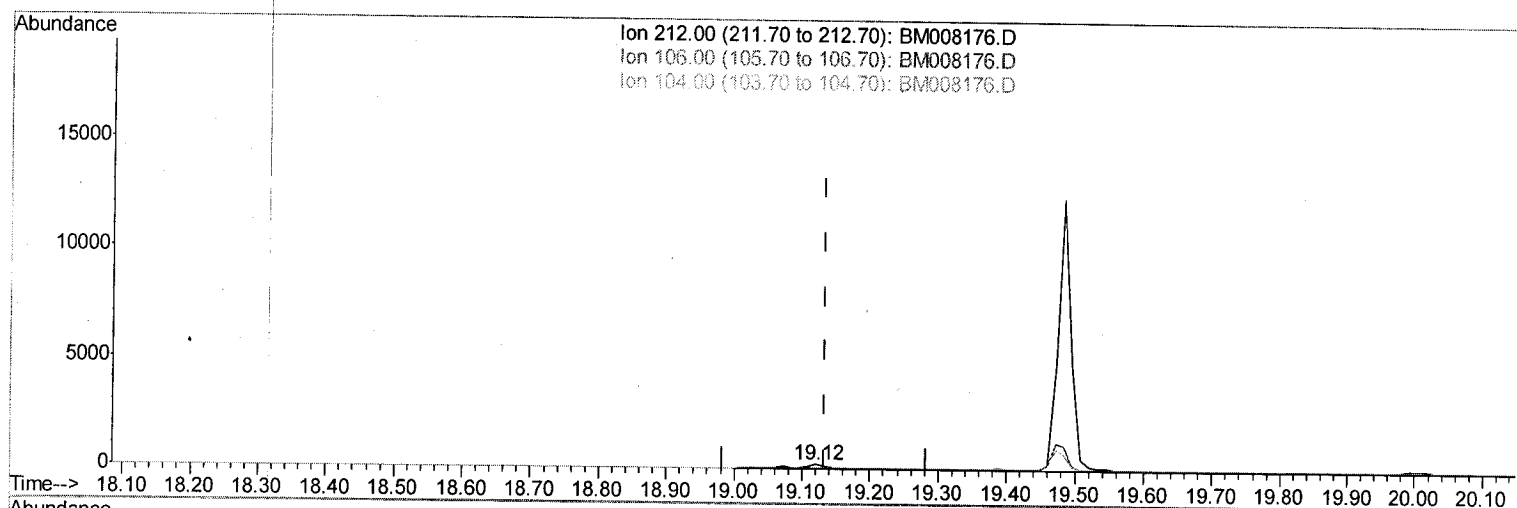
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:56:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.120min (-0.012) 0.06ng/ul m

response 224

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	354.02#
104.00	15.60	384.82#
0.00	0.00	0.00

> 9.9
 12/06/16

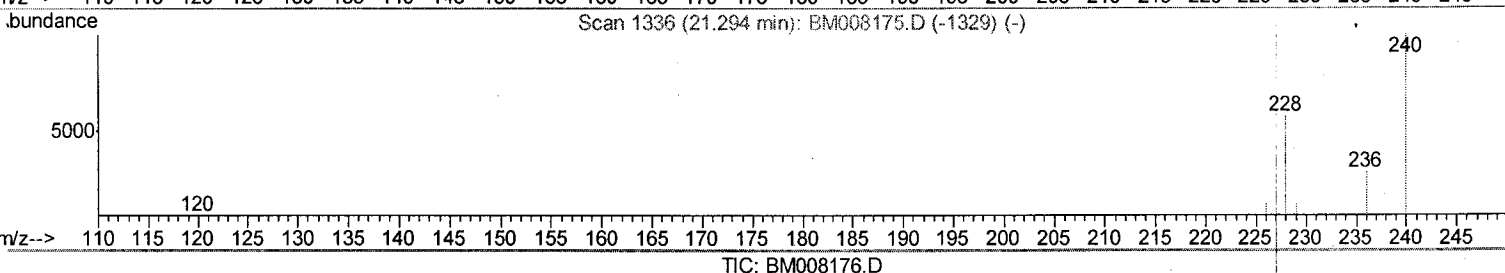
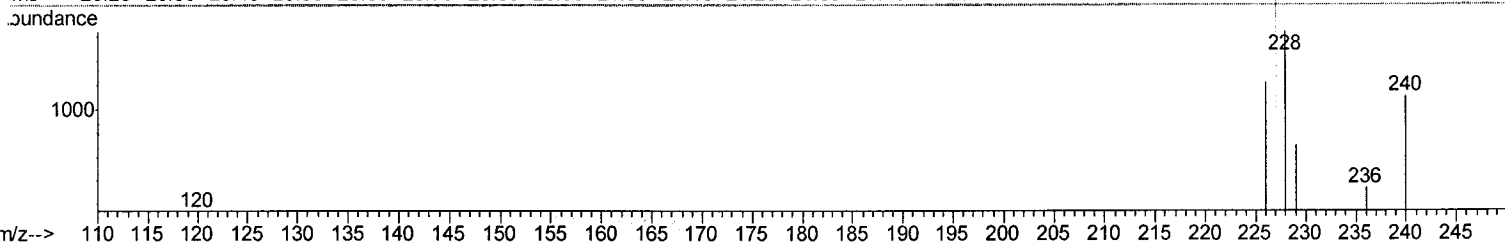
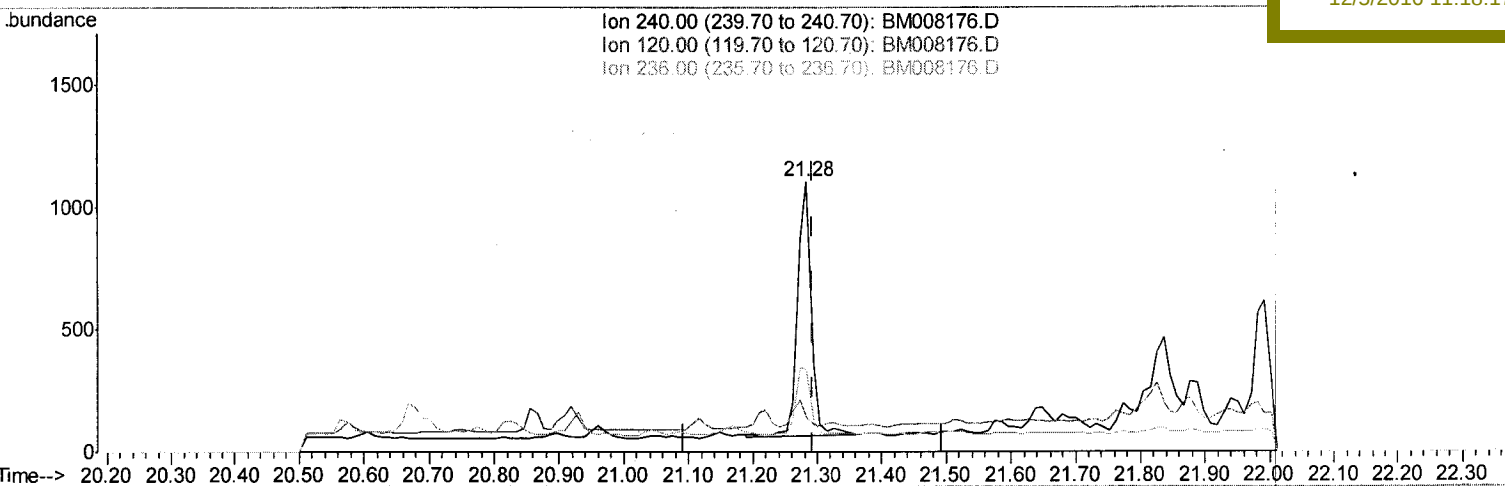
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
Data File : BM008176.D
Acq On : 03 Dec 2016 02:59
Operator : UM/SJ
Sample : H5730-05DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 03 04:56:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 03 04:54:05 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG8DL

Manual Integrations
APPROVED

sohil
12/5/2016 11:18:17 AM



(16) Chrysene-d12 (I)

21.283min (-0.011) 0.40ng/ul

response 1548

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	12.95#
236.00	34.90	30.43
0.00	0.00	0.00

Quantitation Report (Qedit)

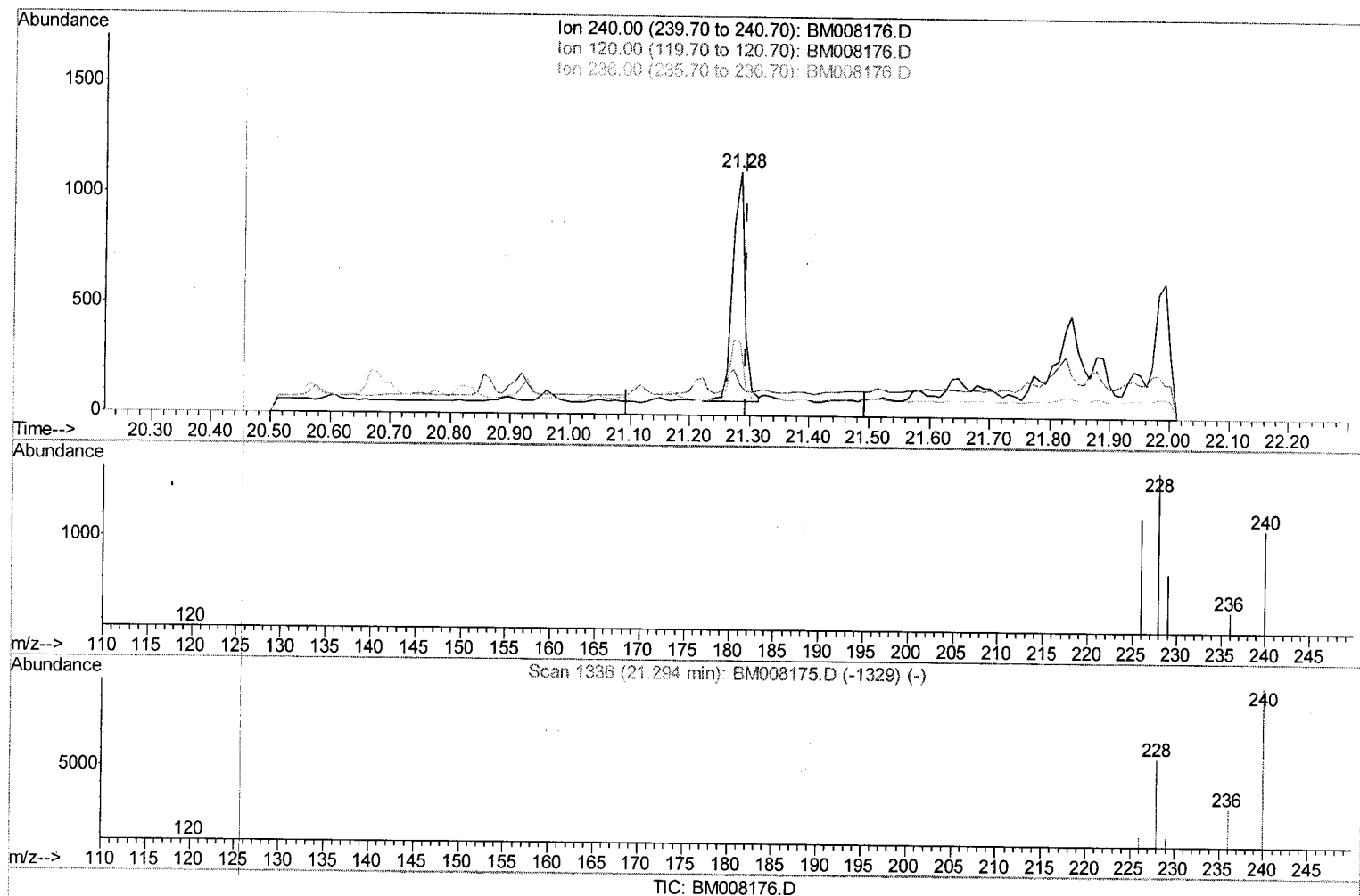
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:56:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.283min (-0.011) 0.40ng/ul m

response 1470

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	12.95#
236.00	34.90	30.43
0.00	0.00	0.00

> 9.5
 12/06/16

Quantitation Report (Qedit)

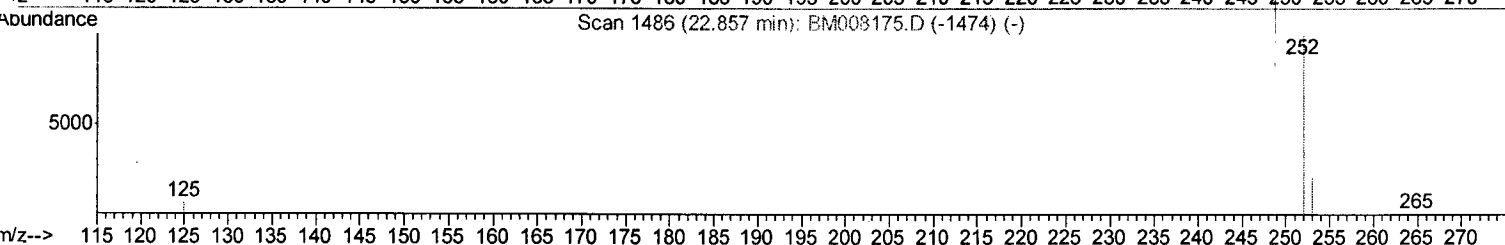
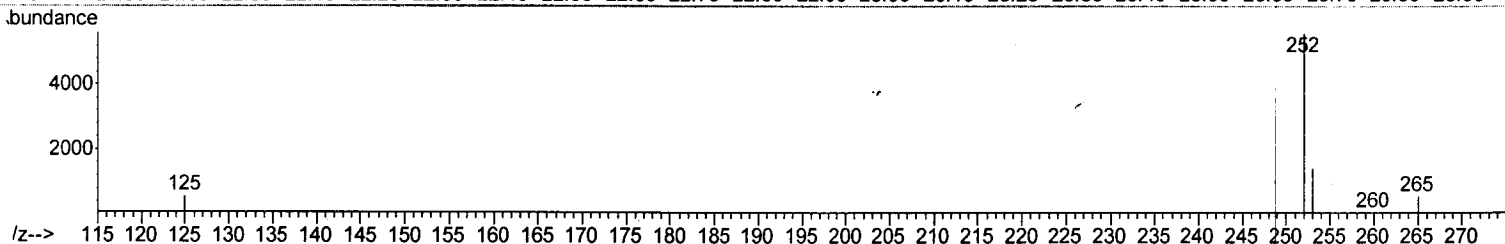
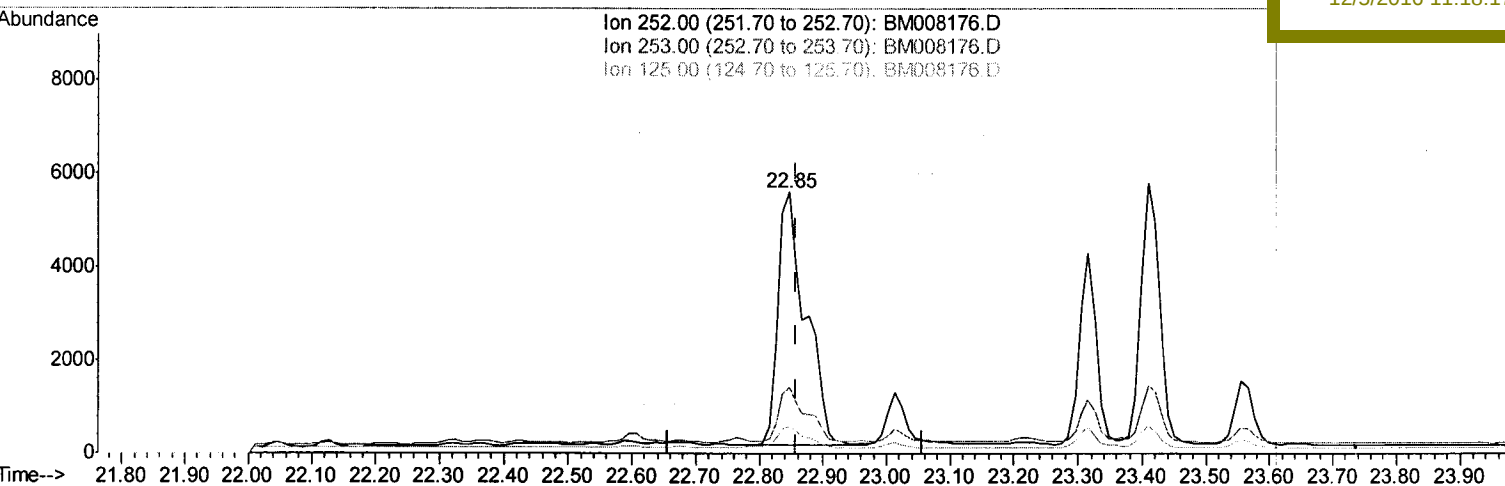
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Quant Time: Dec 03 04:59:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM



TIC: BM008176.D

(21) Benzo(b)fluoranthene

22.847min (-0.011) 2.67ng/ul

response 16416

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	25.44
125.00	17.50	10.24
0.00	0.00	0.00

Quantitation Report (Qedit)

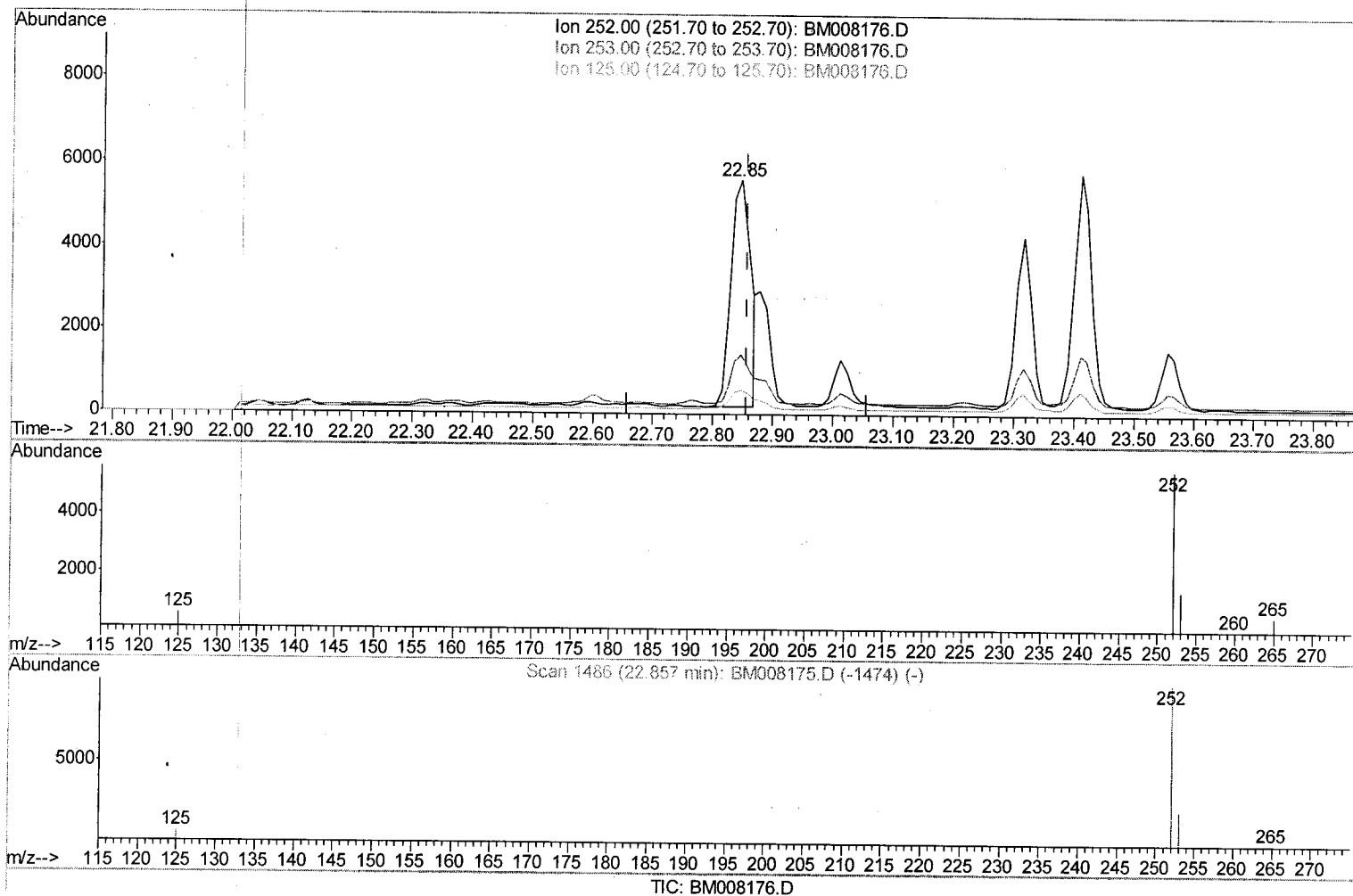
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:59:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.847min (-0.011) 2.01ng/ul m > 5.9
 response 12321
 12/06/16

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	25.44
125.00	17.50	10.24
0.00	0.00	0.00

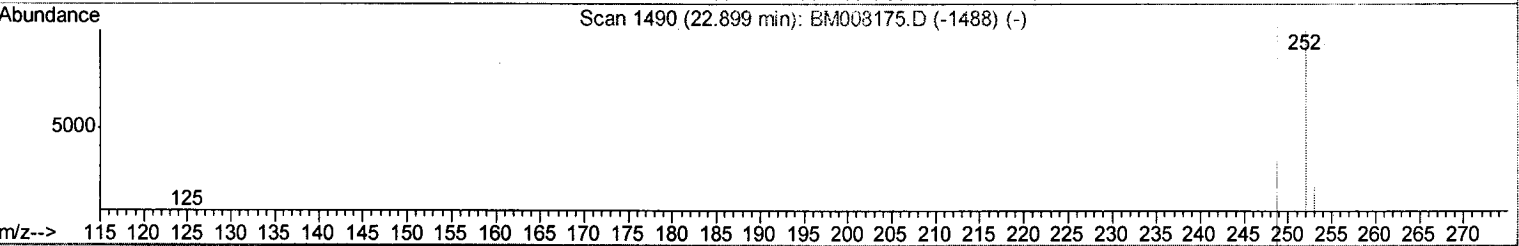
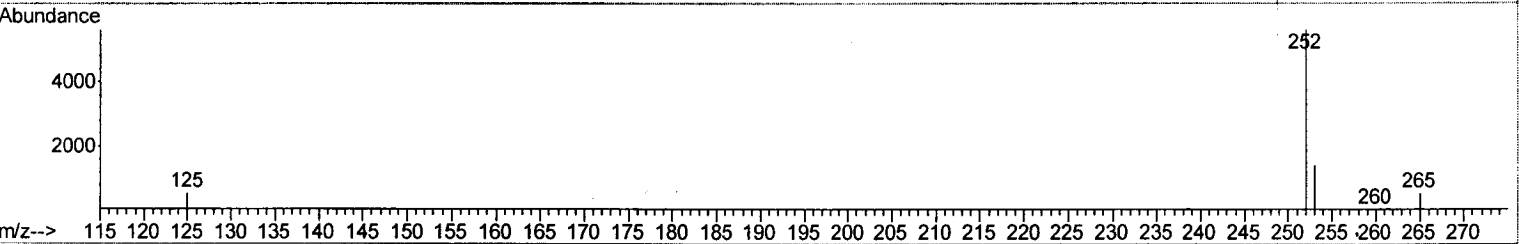
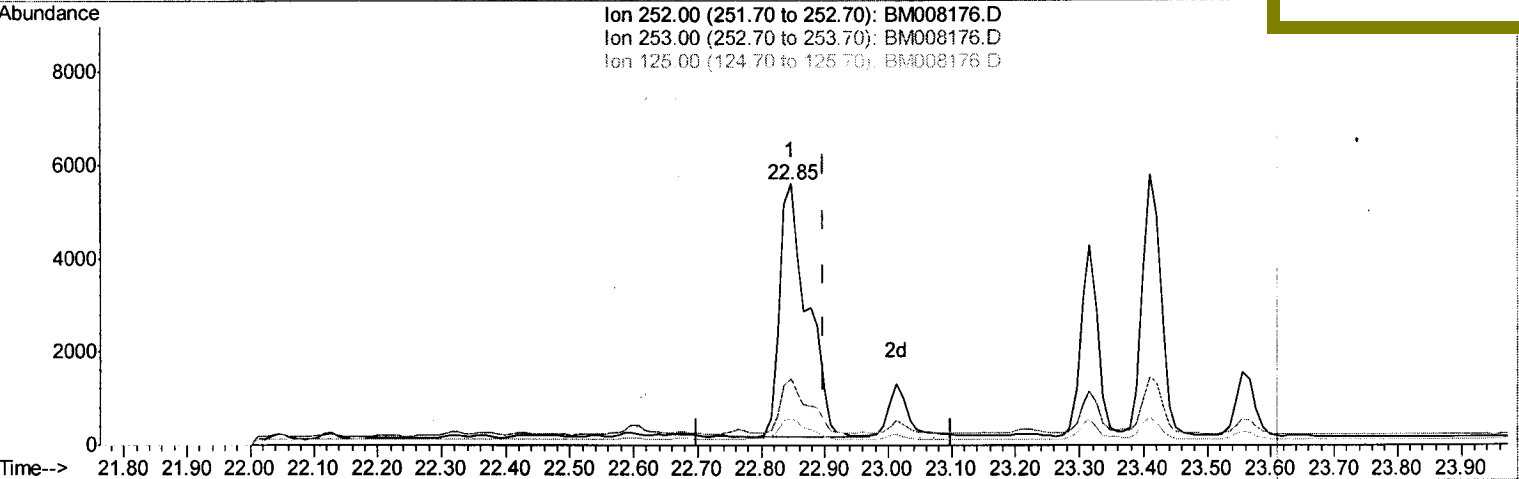
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
Data File : BM008176.D
Acq On : 03 Dec 2016 02:59
Operator : UM/SJ
Sample : H5730-05DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WG8DL

Manual Integrations
APPROVED

sohil
12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:59:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 03 04:54:05 2016
Response via : Initial Calibration



TIC: BM008176.D

(22) Benzo(k)fluoranthene

22.847min (-0.052) 2.59ng/ul

response 16416

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.44
125.00	17.10	10.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

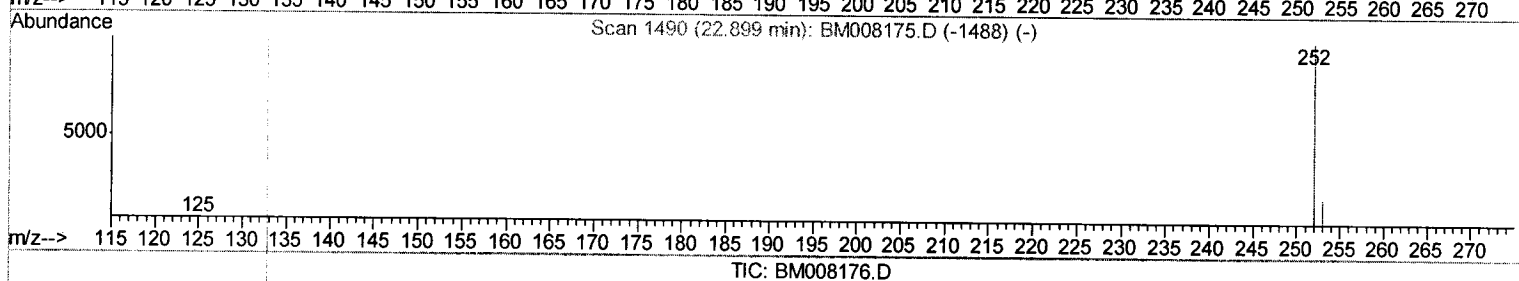
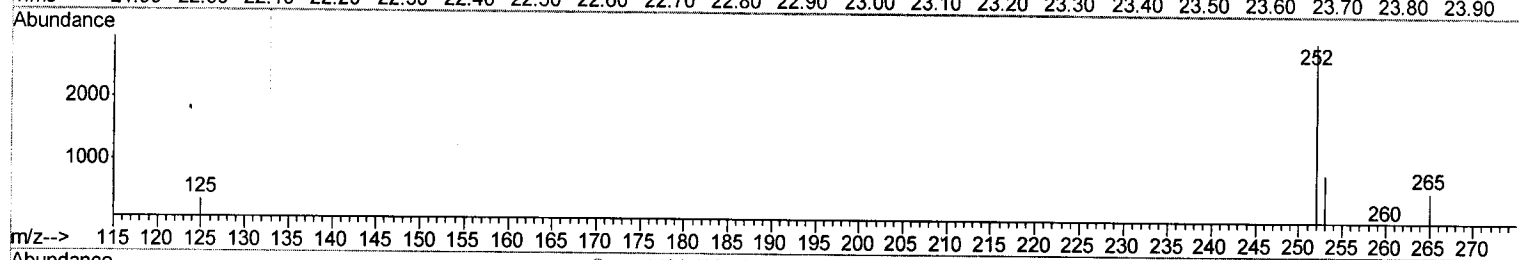
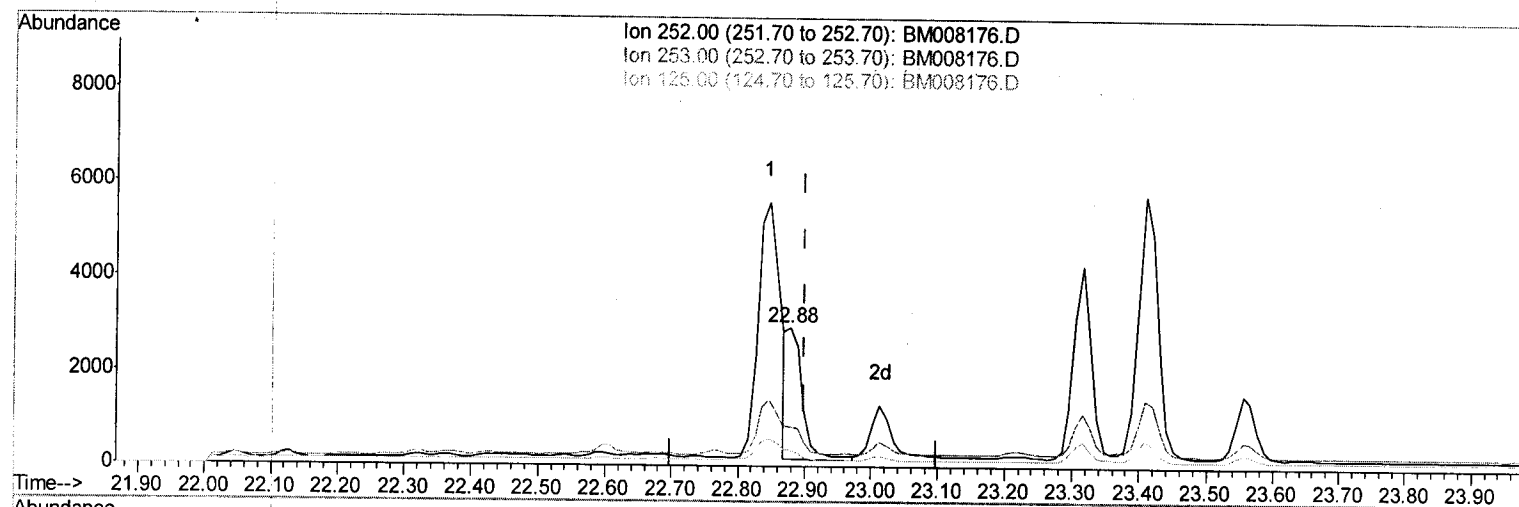
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:59:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



TIC: BM008176.D

(22) Benzo(k)fluoranthene

22.878min (-0.021) 0.70ng/ul m

response 4437

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.32
125.00	17.10	11.78#
0.00	0.00	0.00

> 8.9
 12/02/16

Quantitation Report (Qedit)

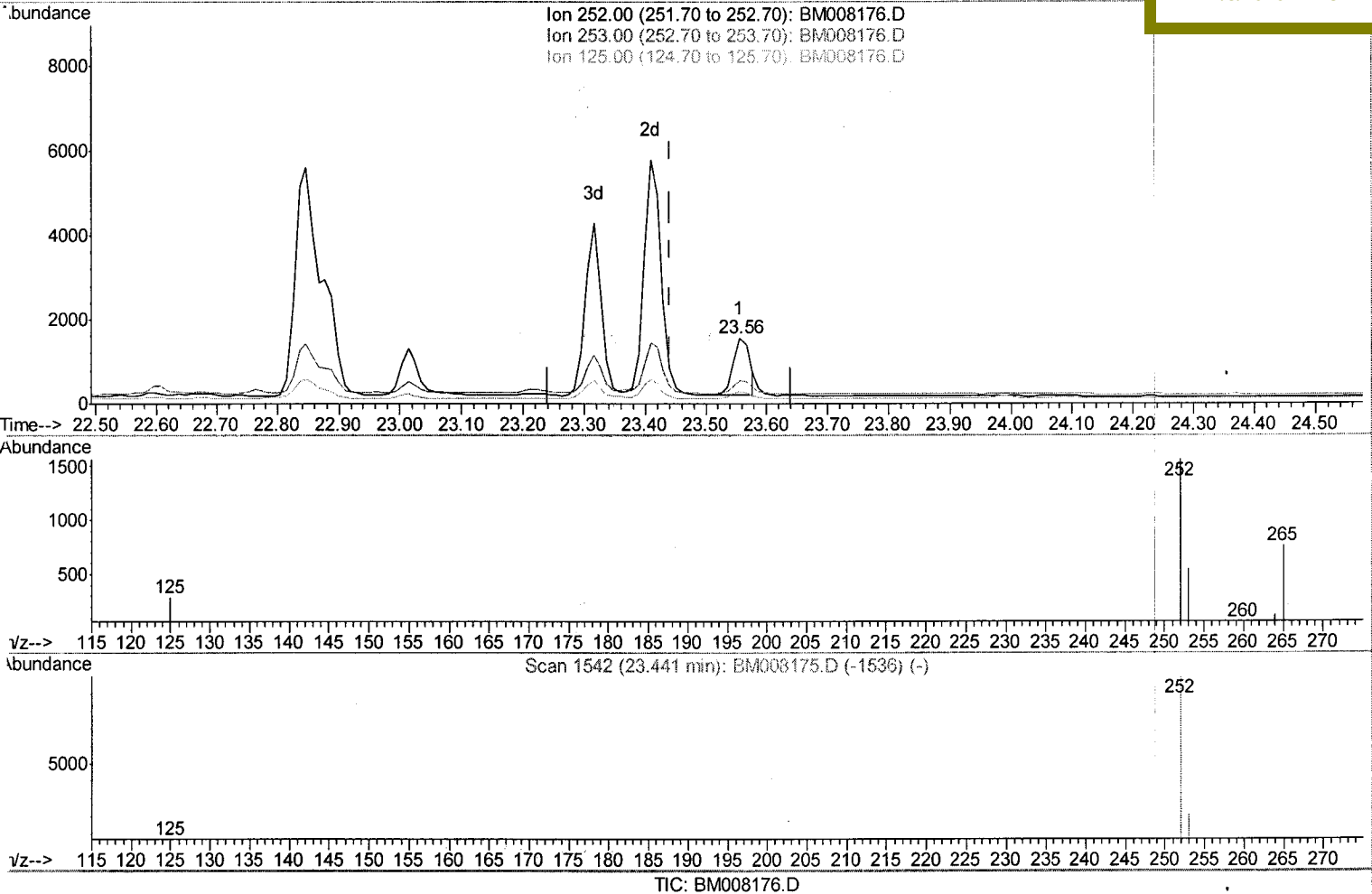
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
Data File : BM008176.D
Acq On : 03 Dec 2016 02:59
Operator : UM/SJ
Sample : H5730-05DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WG8DL

Manual Integrations
APPROVED

sohil
12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:59:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 03 04:54:05 2016
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.556min (+0.115) 0.44ng/ul

response 2540

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.06
125.00	22.60	18.78
0.00	0.00	0.00

Quantitation Report (Qedit)

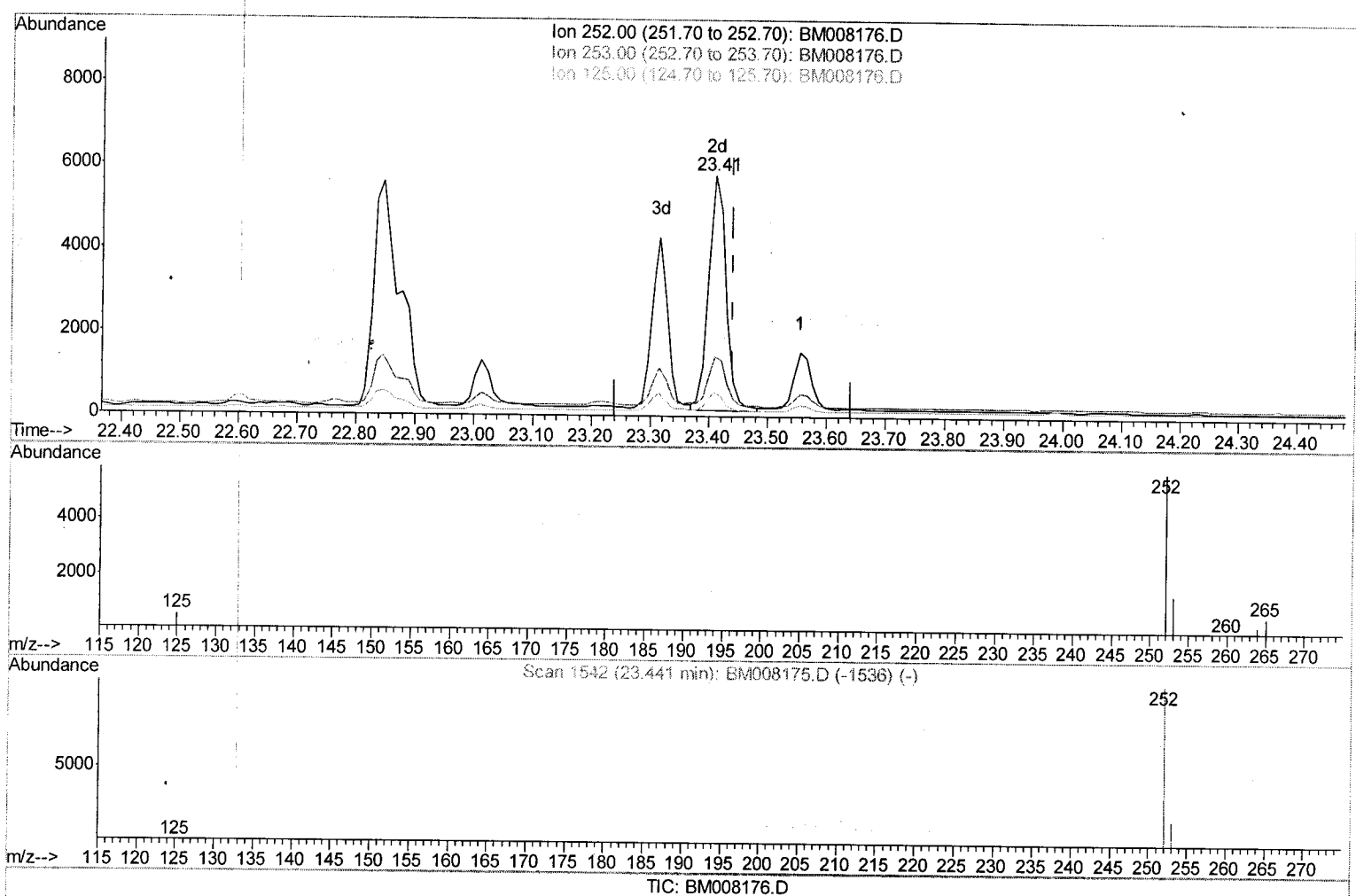
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Quant Time: Dec 03 04:59:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.410min (-0.031) 2.03ng/ul m

response 11654

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.81#
125.00	22.60	10.13#
0.00	0.00	0.00

75.5
 12/01/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008176.D
 Acq On : 03 Dec 2016 02:59
 Operator : UM/SJ
 Sample : H5730-05DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG8DL

Quant Time: Dec 03 05:00:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:18:17 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	429	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	1336	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	722	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.09	188	1325	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1470m	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1538	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	86	0.05	ng/ul	0.01
14) Fluoranthene-d10	19.12	212	224m	0.06	ng/ul	-0.01

Target Compounds				Qvalue		
3) Naphthalene	10.54	128	227	0.06	ng/ul#	37
5) 2-Methylnaphthalene	12.18	142	104	0.04	ng/ul	95
7) Acenaphthylene	14.04	152	2891	0.89	ng/ul	95
8) Acenaphthene	14.40	153	149	0.06	ng/ul#	82
9) Fluorene	15.39	166	310	0.11	ng/ul#	80
12) Phenanthrene	17.12	178	3557	0.86	ng/ul	95
13) Anthracene	17.21	178	1607m	0.41	ng/ul	
15) Fluoranthene	19.14	202	13151	2.47	ng/ul	94
17) Pyrene	19.51	202	18274	3.58	ng/ul	97
18) Benzo(a)anthracene	21.26	228	10923	2.42	ng/ul	94
19) Chrysene	21.31	228	11103	1.98	ng/ul	98
21) Benzo(b)fluoranthene	22.85	252	12321m	2.01	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	4437m	0.70	ng/ul	
23) Benzo(a)pyrene	23.41	252	11654m	2.03	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.76	276	7112	1.00	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.76	278	1713	0.30	ng/ul#	84
26) Benzo(g,h,i)perylene	26.44	276	7303	1.16	ng/ul#	91

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