

Quantitation Report (QT Reviewed)

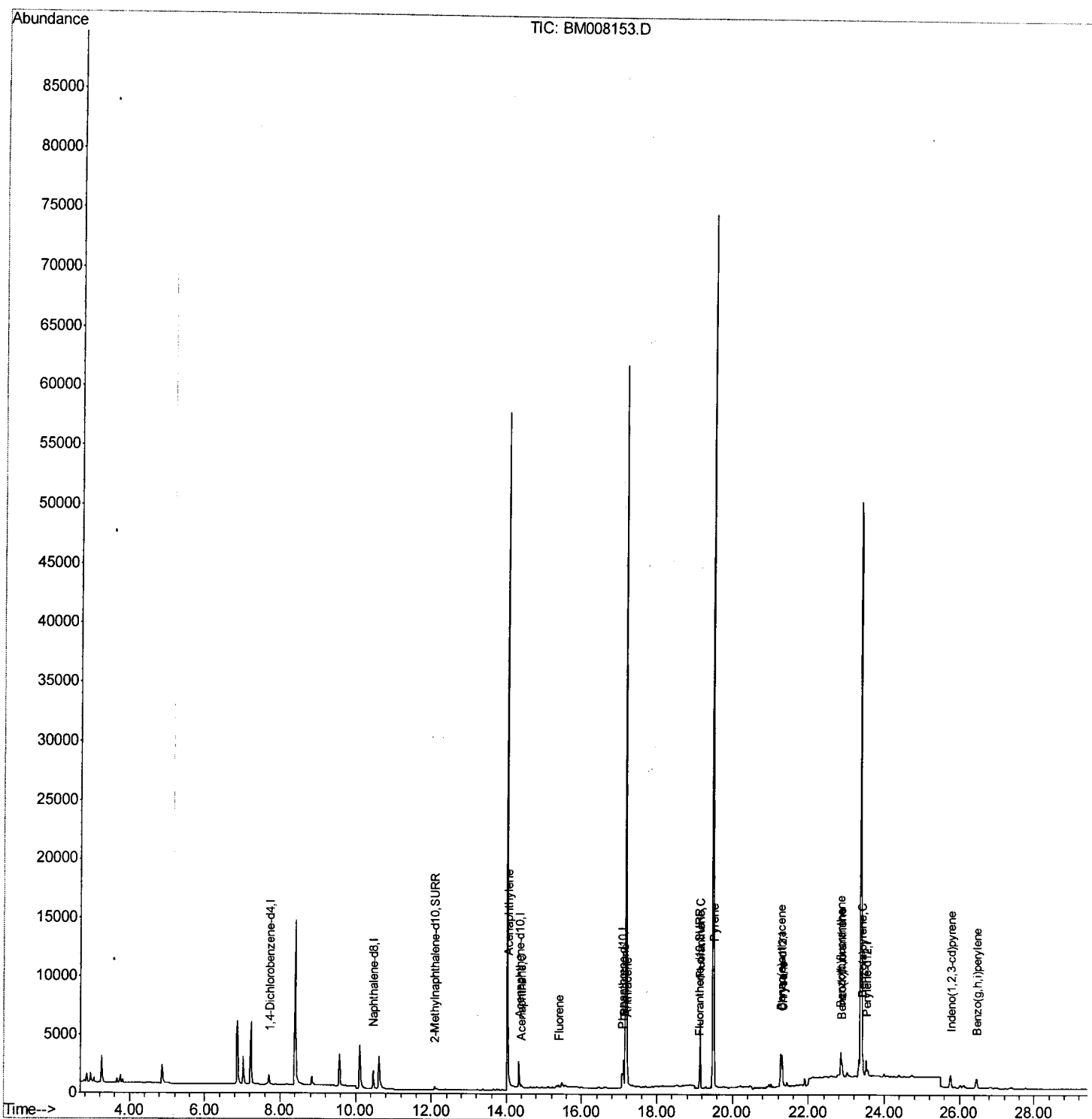
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH0

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:09:18 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)

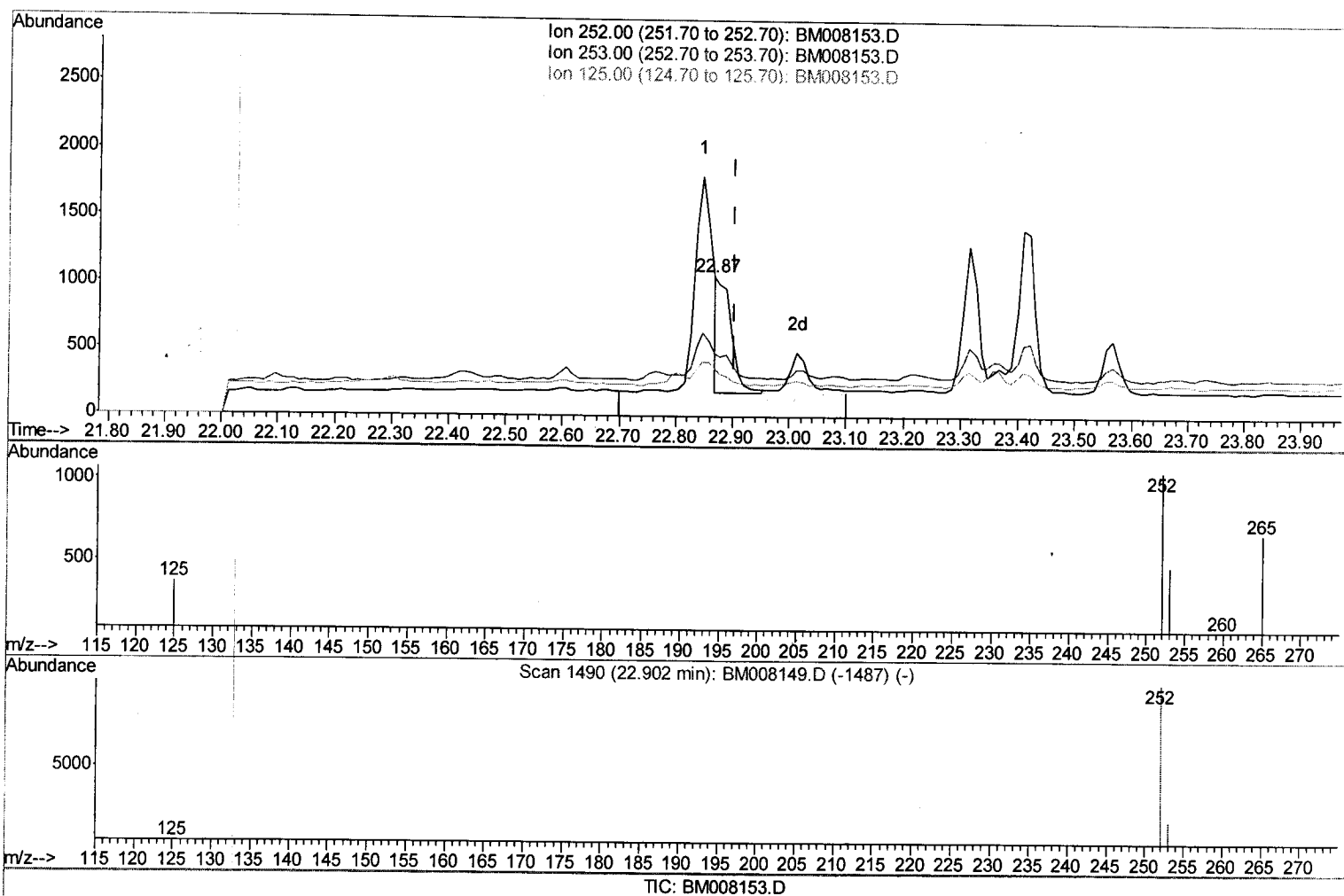
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 A4WH0

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:06:21 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



(22) Benzo(k)fluoranthene

22.868min (-0.035) 0.17ng/ul m

response 1452

Ion Exp% Act%

252.00 100 100

253.00 30.60 45.18#

125.00 17.10 34.31#

0.00 0.00 0.00

25.7
 12/06/16

Quantitation Report (Qedit)

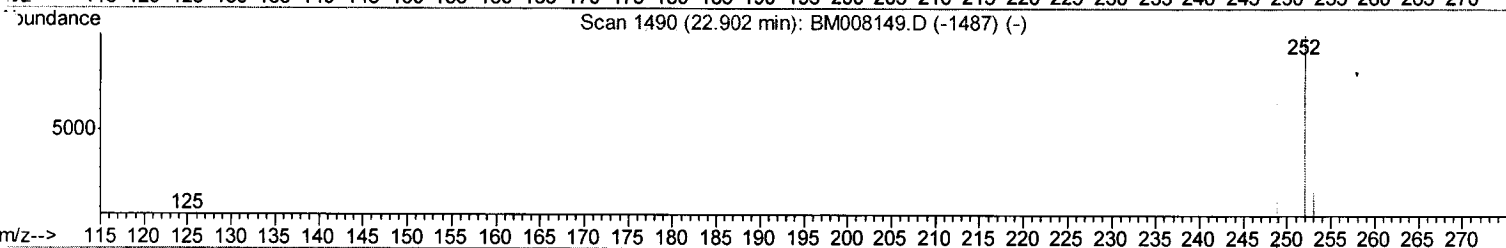
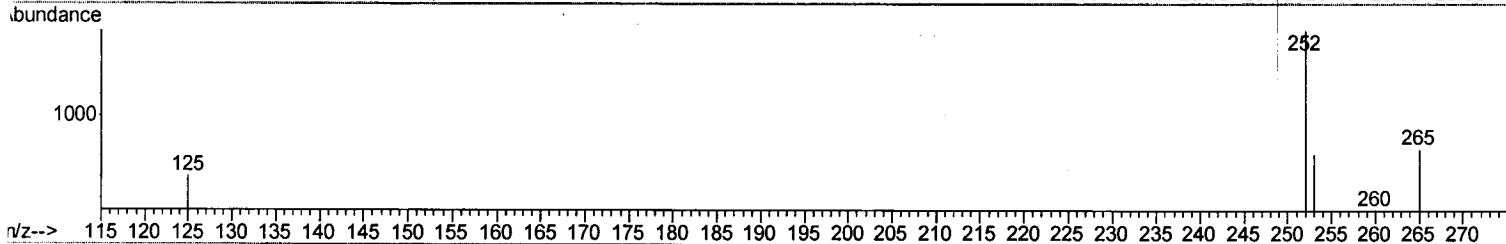
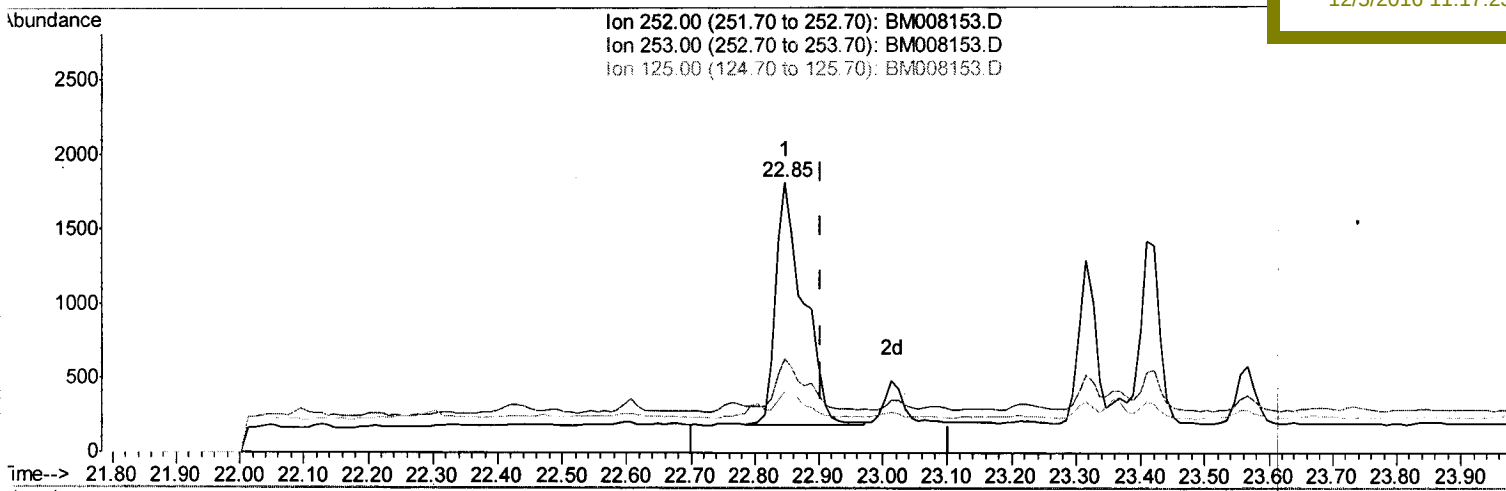
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH0

Quant Time: Dec 02 16:06:21 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 11:17:23 AM



TIC: BM008153.D

(22) Benzo(k)fluoranthene

22.847min (-0.056) 0.57ng/ul

response 4843

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	34.84
125.00	17.10	22.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

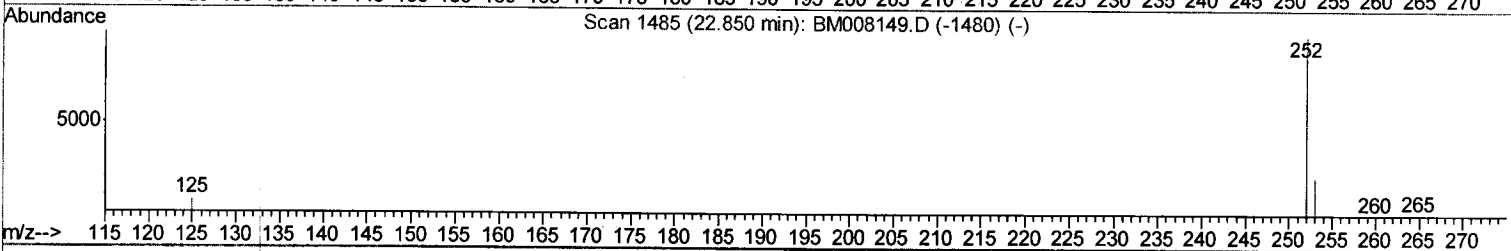
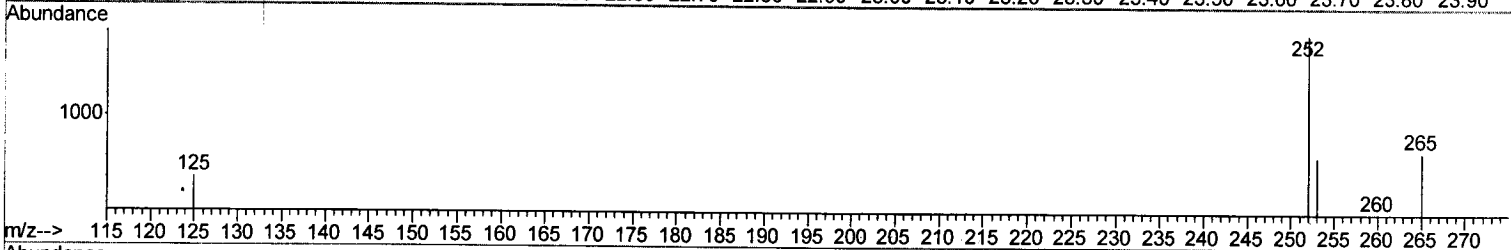
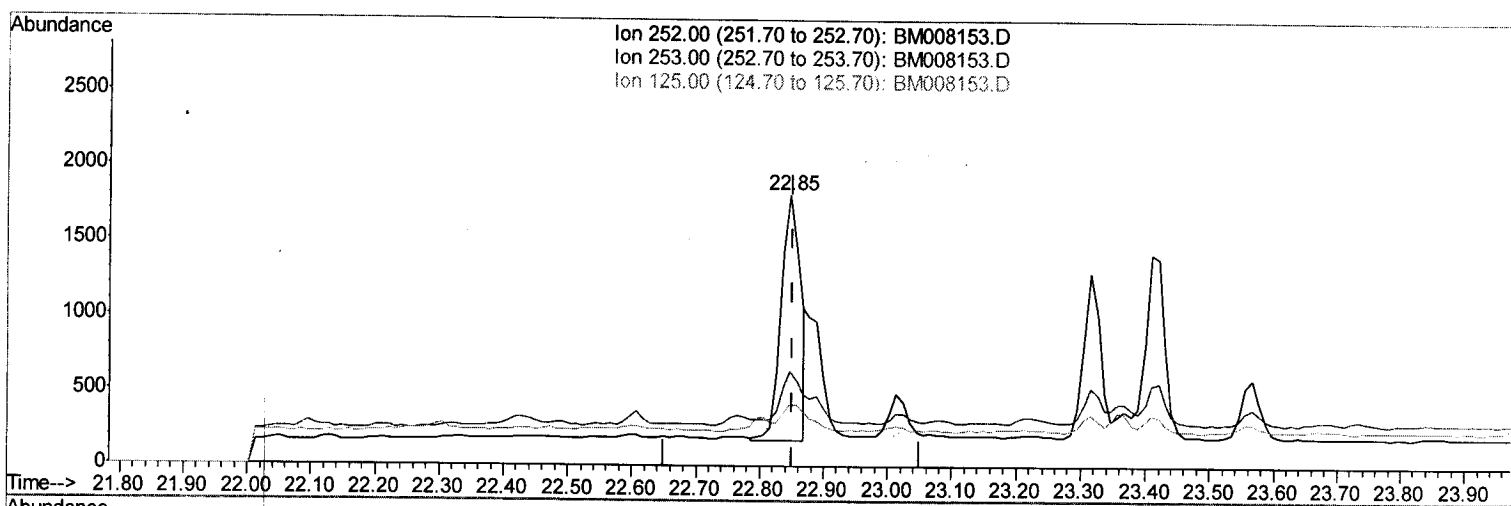
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH0

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:06:21 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



(21) Benzo(b)fluoranthene

22.847min (-0.004) 0.42ng/ul m

response 3491

Ion Exp% Act%

252.00 100 100

253.00 32.10 34.84

125.00 17.50 22.64

0.00 0.00 0.00

> 5.9
 12/06/16

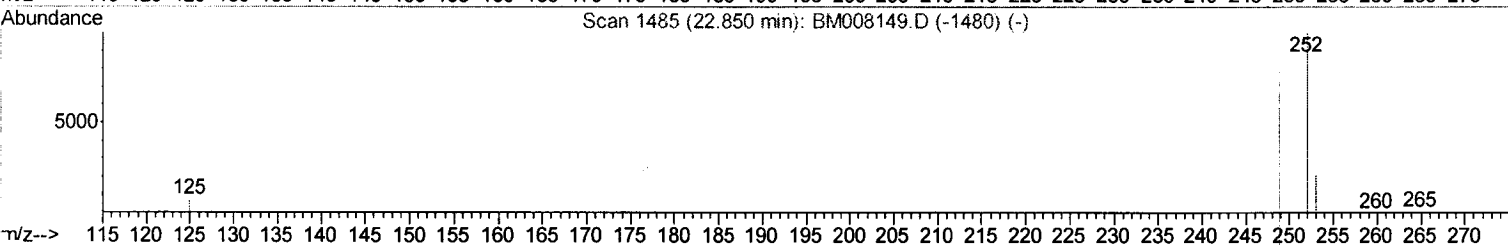
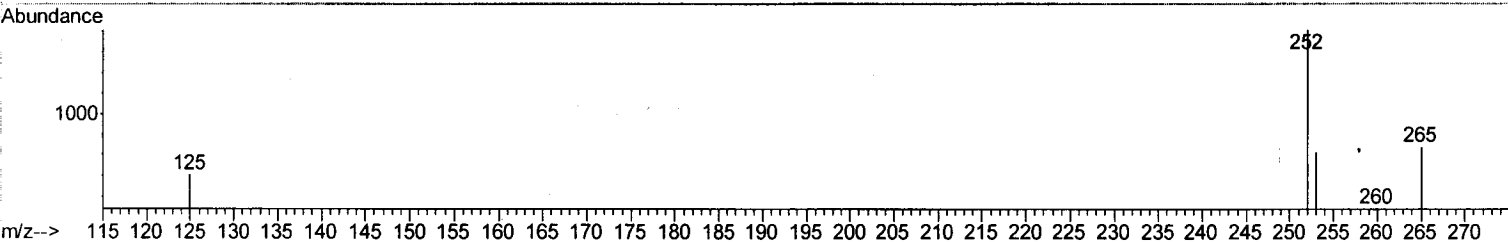
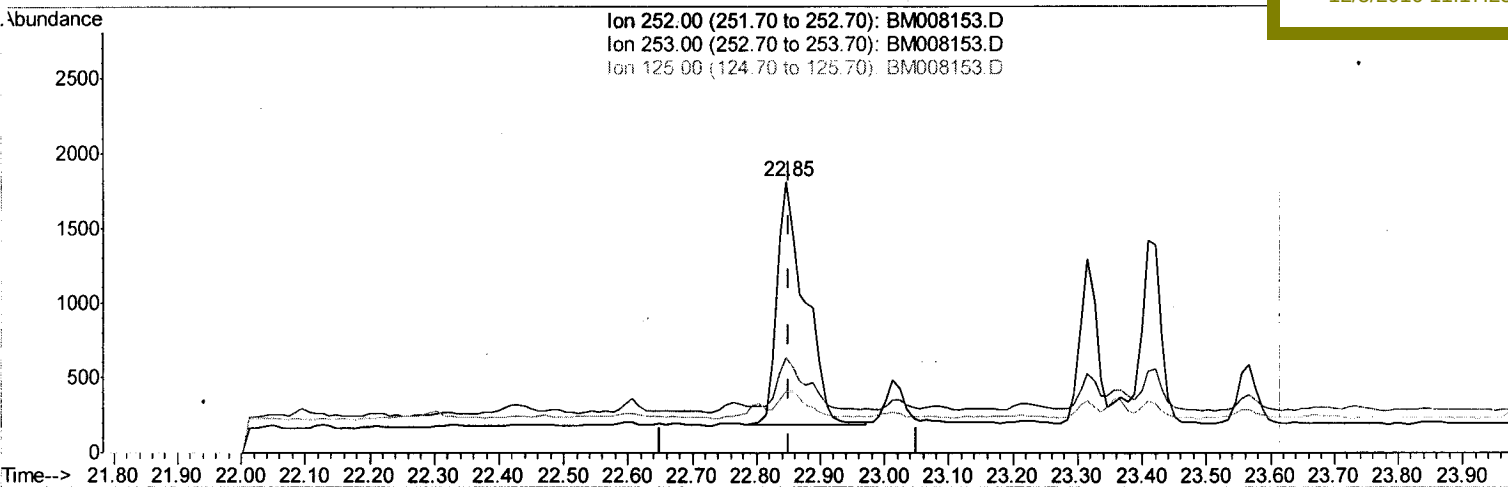
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
Data File : BM008153.D
Acq On : 02 Dec 2016 13:16
Operator : UM/SJ
Sample : H5730-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WH0

Quant Time: Dec 02 16:06:21 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 11:17:23 AM



TIC: BM008153.D

(21) Benzo(b)fluoranthene

22.847min (-0.004) 0.59ng/ul

response 4843

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	34.84
125.00	17.50	22.64
0.00	0.00	0.00

Quantitation Report (Qedit)

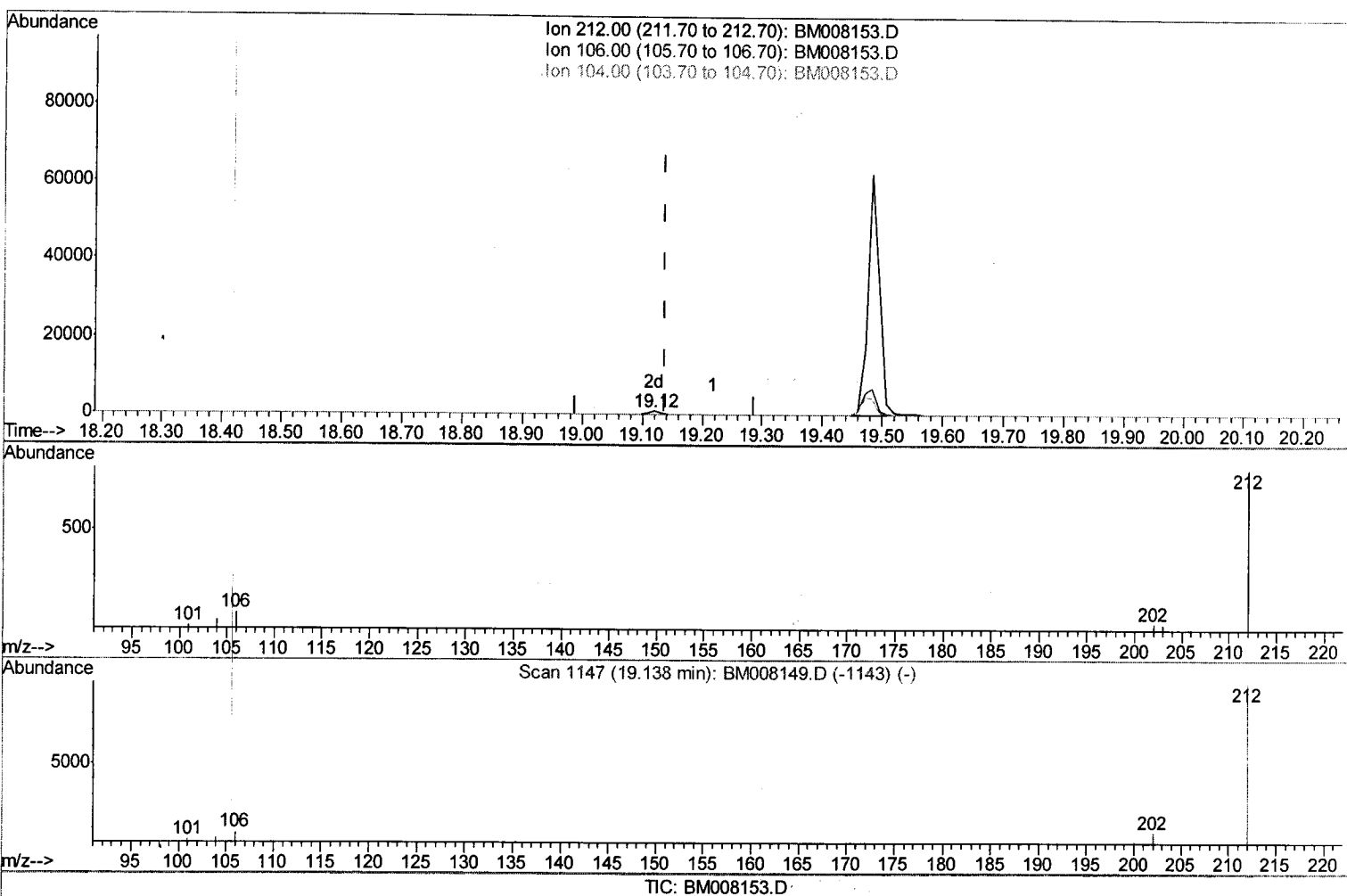
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4WH0

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:06:21 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



(14) Fluoranthene-d10 (SURR)

19.120min (-0.017) 0.20ng/ul m

response 1247

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

29.1
 12/06/16

Quantitation Report (Qedit)

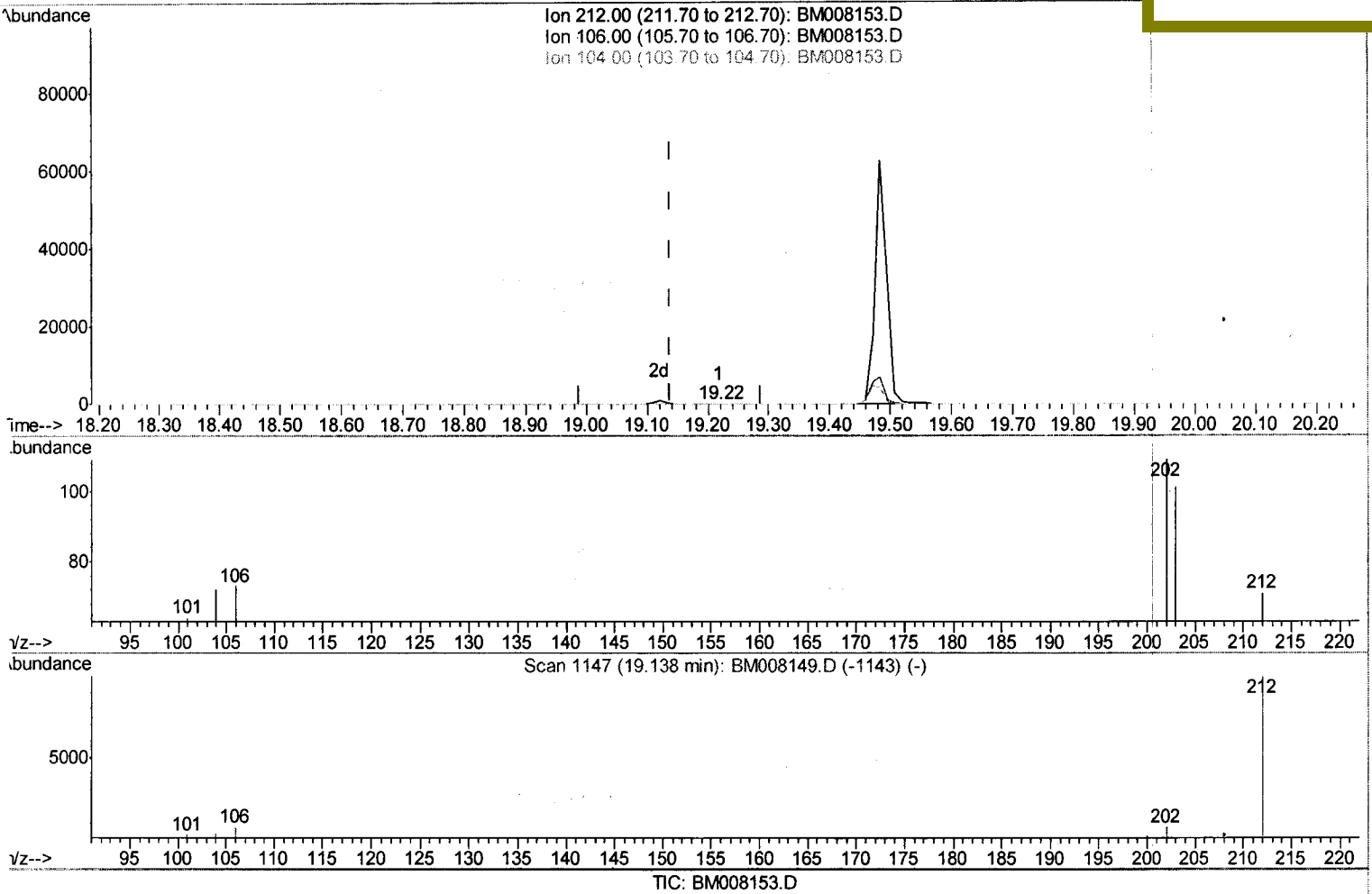
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 A4WH0

Quant Time: Dec 02 16:06:21 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 11:17:23 AM



(14) Fluoranthene-d10 (SURR)

19.217min (+0.079) 0.01ng/ul

response 33

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

Quantitation Report (Qedit)

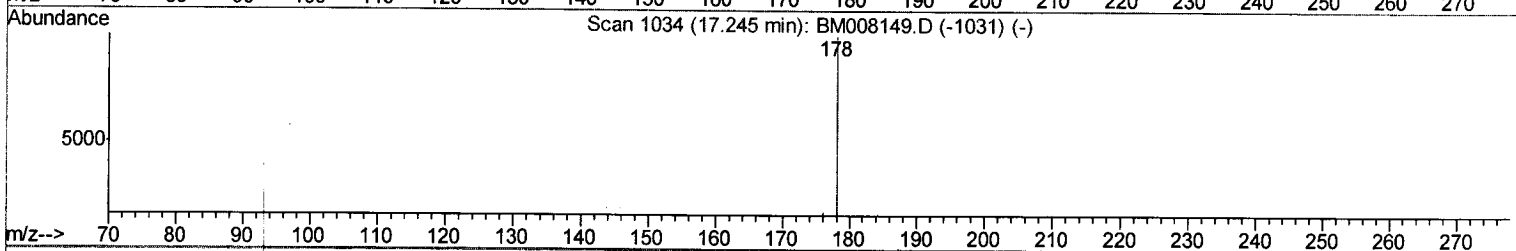
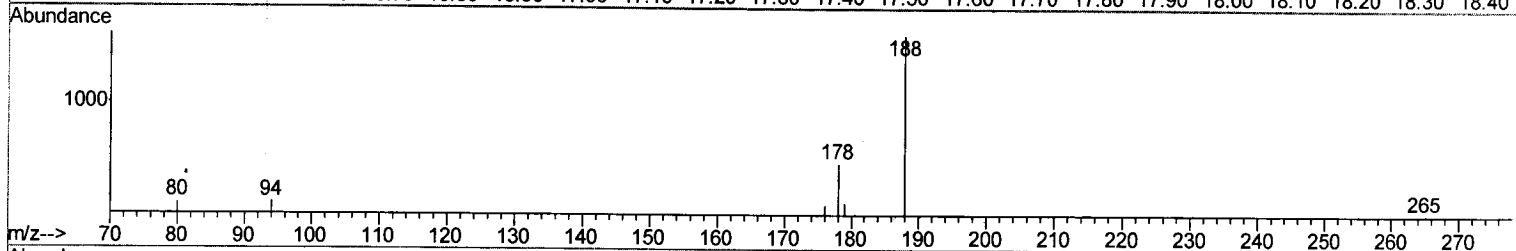
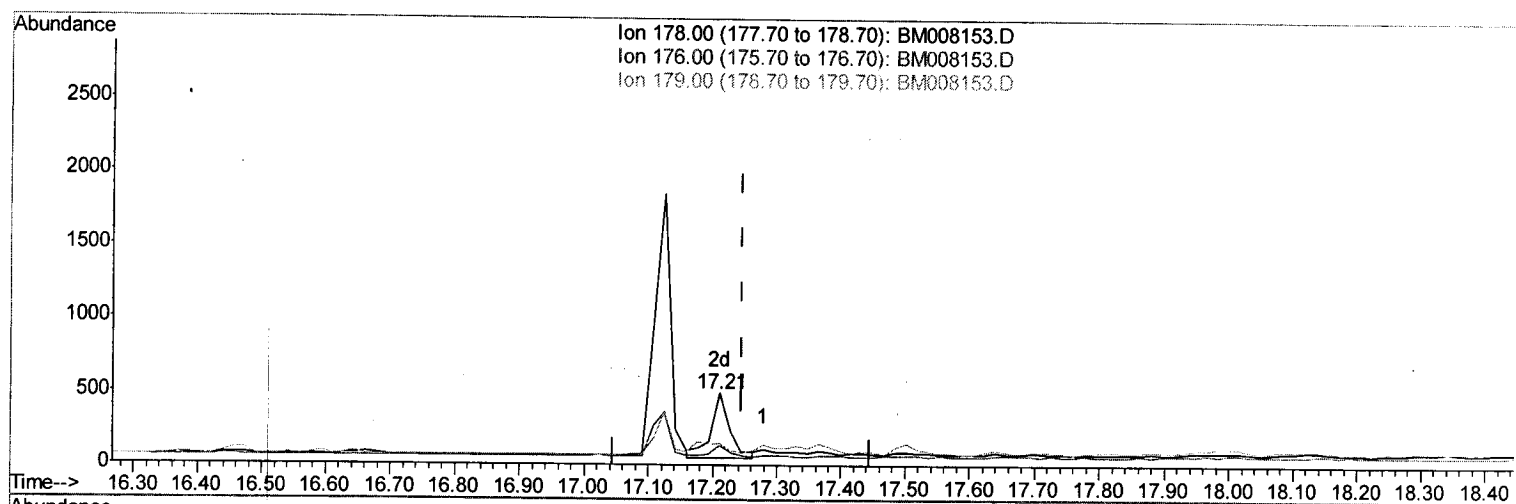
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4VH0

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:06:21 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



TIC: BM008153.D

(13) Anthracene

17.210min (-0.035) 0.14ng/ul m

response 890

Ion Exp% Act%

178.00 100 100

176.00 22.60 27.73#

179.00 18.40 30.36#

0.00 0.00 0.00

> 5.9
 12/06/16

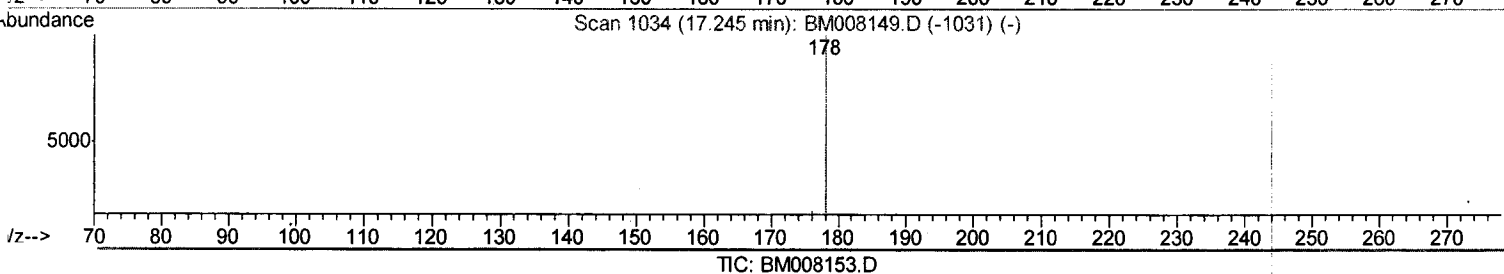
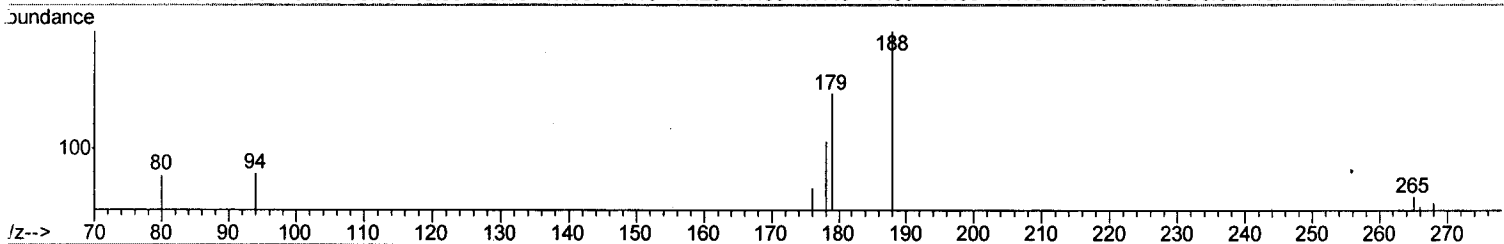
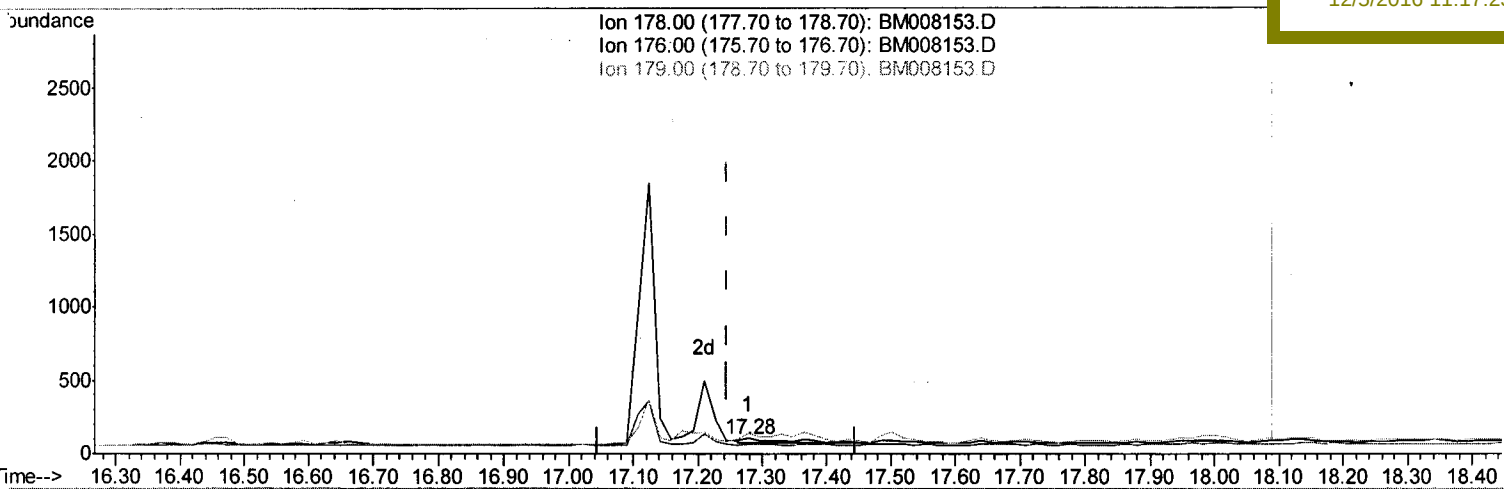
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
Data File : BM008153.D
Acq On : 02 Dec 2016 13:16
Operator : UM/SJ
Sample : H5730-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WH0

Manual Integrations
APPROVED

sohil
12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:06:21 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



(13) Anthracene

17.279min (+0.034) 0.03ng/ul

response 166

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	63.21#
179.00	18.40	137.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

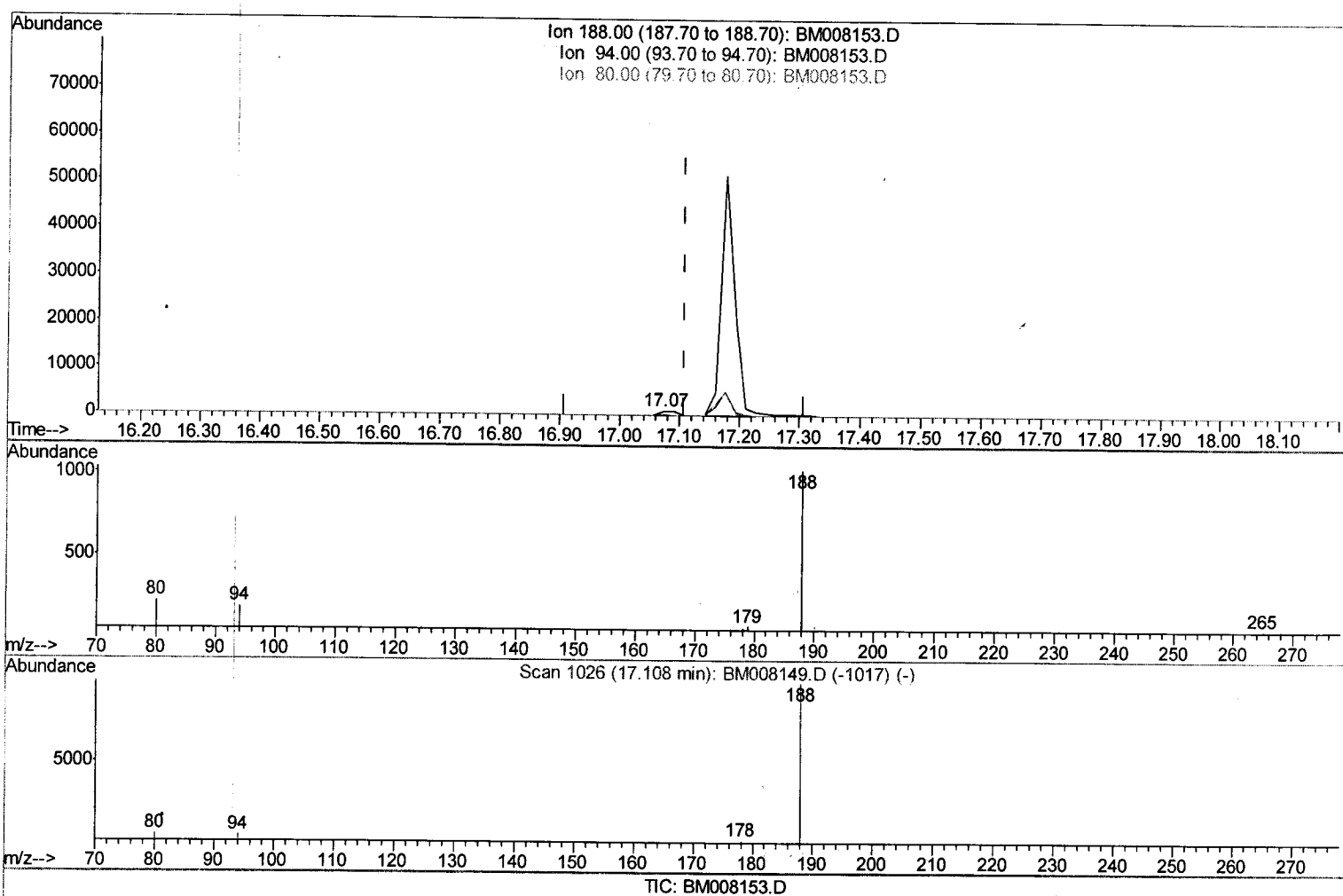
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH0

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:23 AM

Quant Time: Dec 02 16:01:06 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)

17.073min (-0.035) 0.40ng/ul m

response 2224

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	17.86#
80.00	11.80	21.26#
0.00	0.00	0.00

75.7
 12/06/16

Quantitation Report (Qedit)

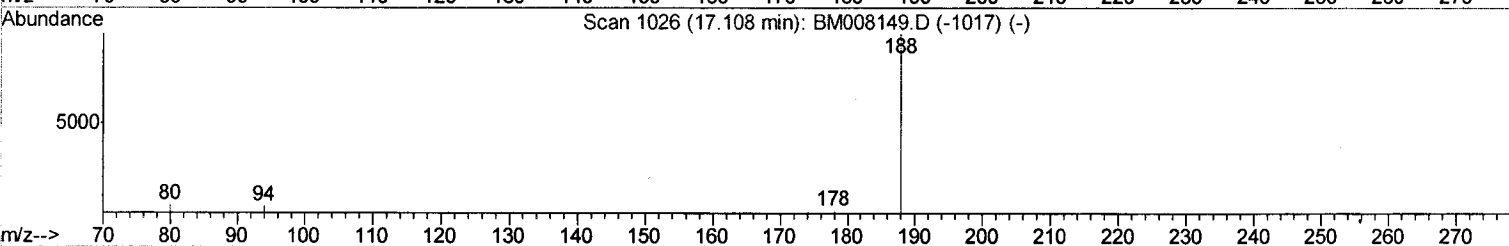
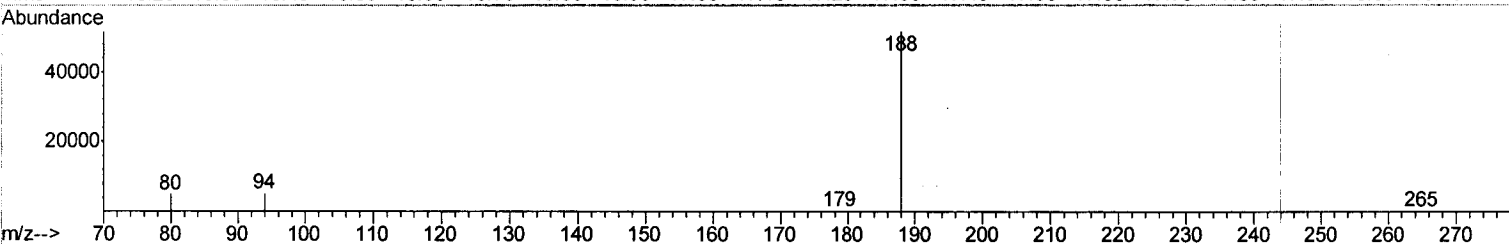
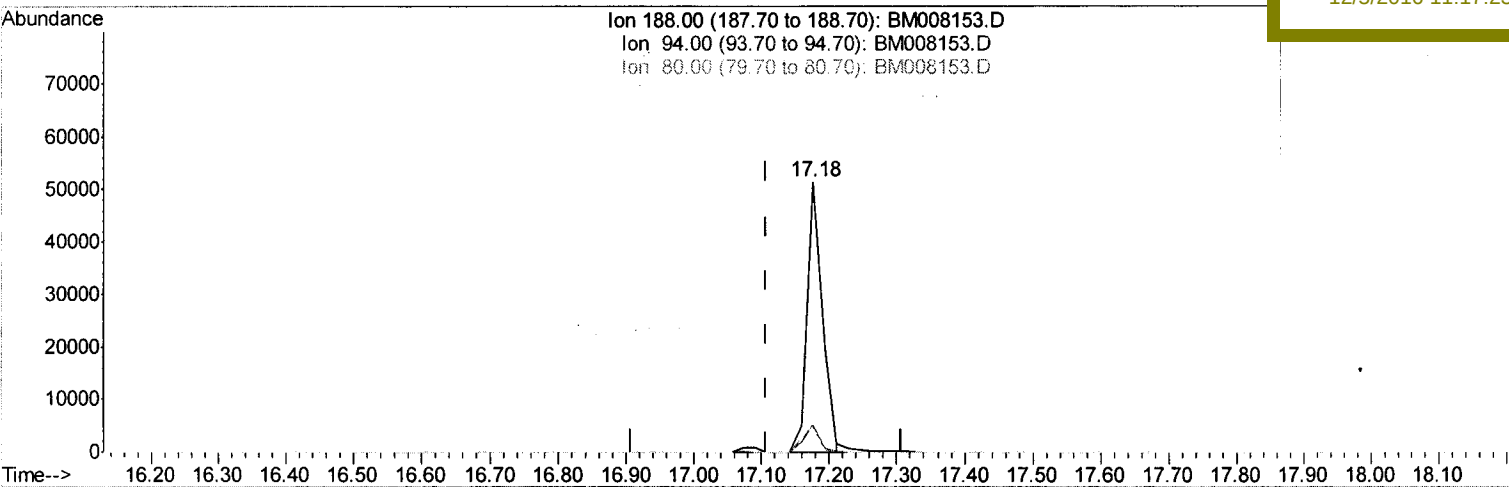
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH0

Quant Time: Dec 02 16:01:06 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 11:17:23 AM



TIC: BM008153.D

(10) Phenanthrene-d10 (I)

17.176min (+0.068) 0.40ng/ul

response 79659

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.89
80.00	11.80	9.41#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008153.D
 Acq On : 02 Dec 2016 13:16
 Operator : UM/SJ
 Sample : H5730-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH0

Quant Time: Dec 02 16:09:18 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 11:17:23 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	641	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	2195	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	1263	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2224m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.28	240	2009	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2060	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	546	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1247m	0.20	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	14.04	152	519	0.09	ng/ul#	67
8) Acenaphthene	14.38	153	188	0.04	ng/ul#	84
9) Fluorene	15.39	166	199	0.04	ng/ul#	81
12) Phenanthrene	17.12	178	3003	0.43	ng/ul	93
13) Anthracene	17.21	178	890m	0.14	ng/ul	
15) Fluoranthene	19.14	202	6244	0.70	ng/ul	97
17) Pyrene	19.51	202	6310	0.90	ng/ul	99
18) Benzo(a)anthracene	21.26	228	2628	0.43	ng/ul#	88
19) Chrysene	21.31	228	2836	0.37	ng/ul#	89
21) Benzo(b)fluoranthene	22.85	252	3491m	0.42	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	1452m	0.17	ng/ul	
23) Benzo(a)pyrene	23.41	252	2708	0.35	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.77	276	1868	0.20	ng/ul#	92
26) Benzo(g,h,i)perylene	26.45	276	1741	0.21	ng/ul#	90

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