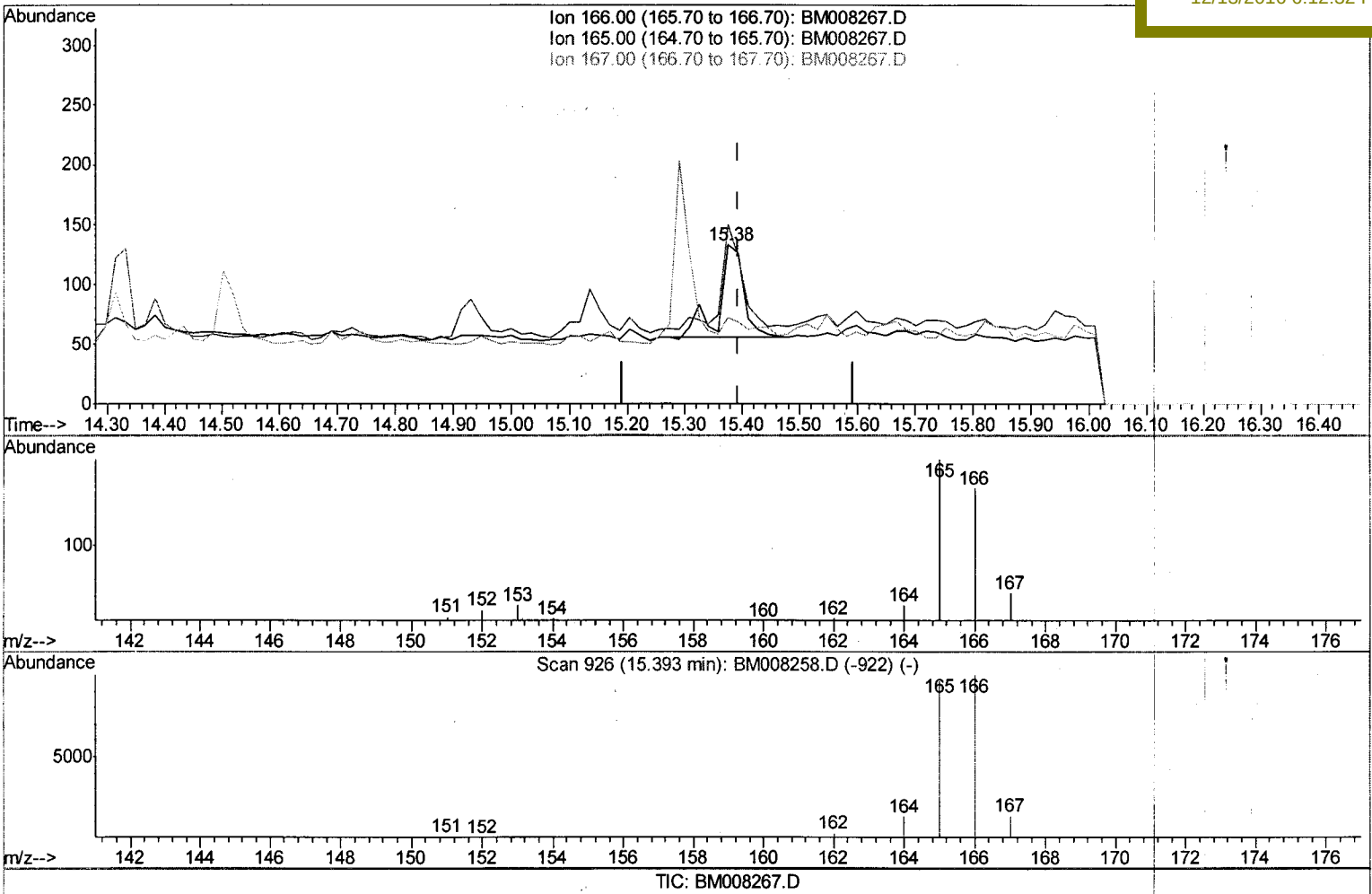
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



TIC: BM008267.D

(9) Fluorene

15.376min (-0.017) 0.06ng/ul

response 233

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	112.78#
167.00	18.30	54.14#
0.00	0.00	0.00

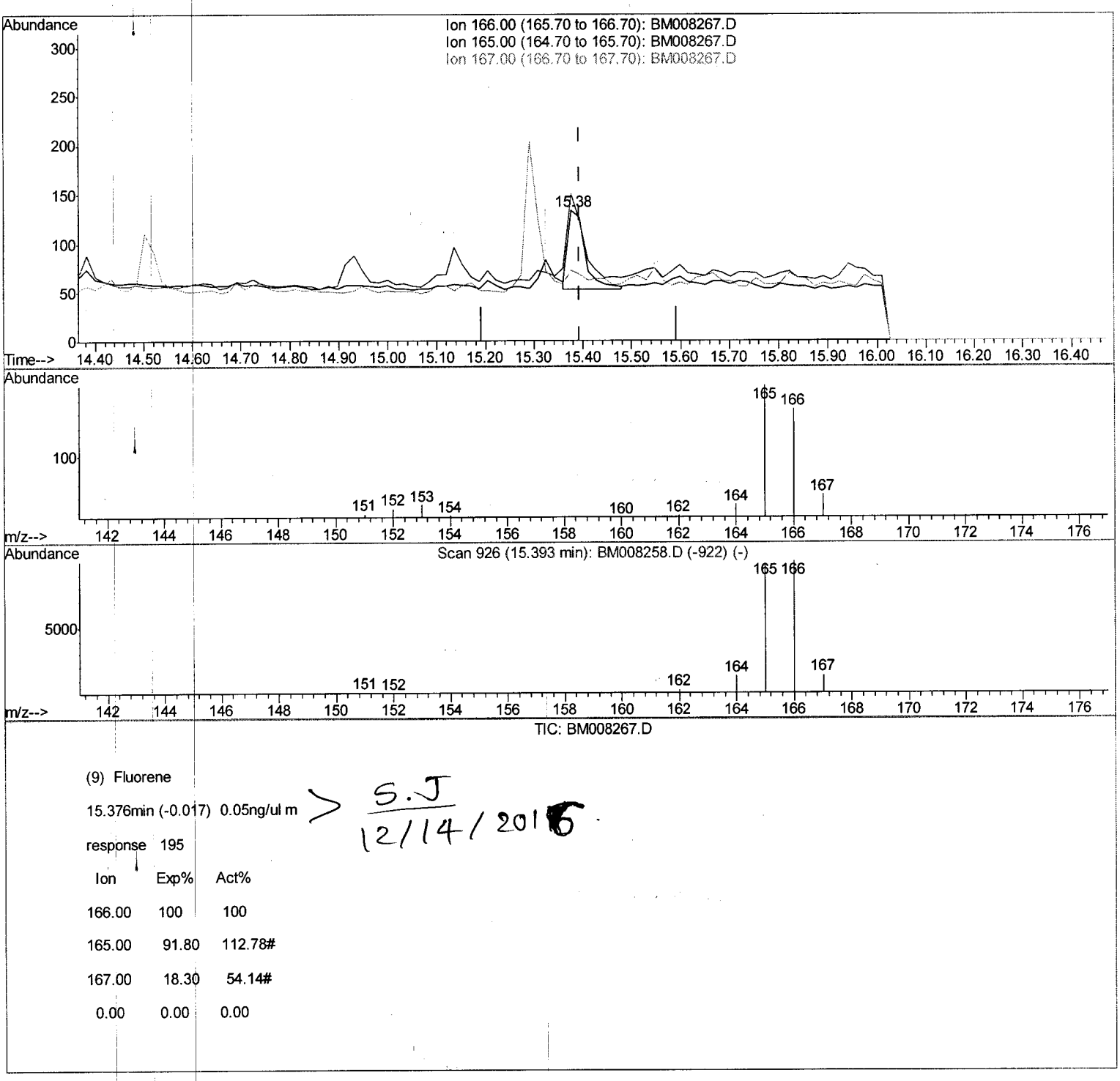
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



TIC: BM008267.D

(9) Fluorene

15.376min (-0.017) 0.05ng/ul m

response 195

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	112.78#
167.00	18.30	54.14#
0.00	0.00	0.00

S.J 12/14/2016

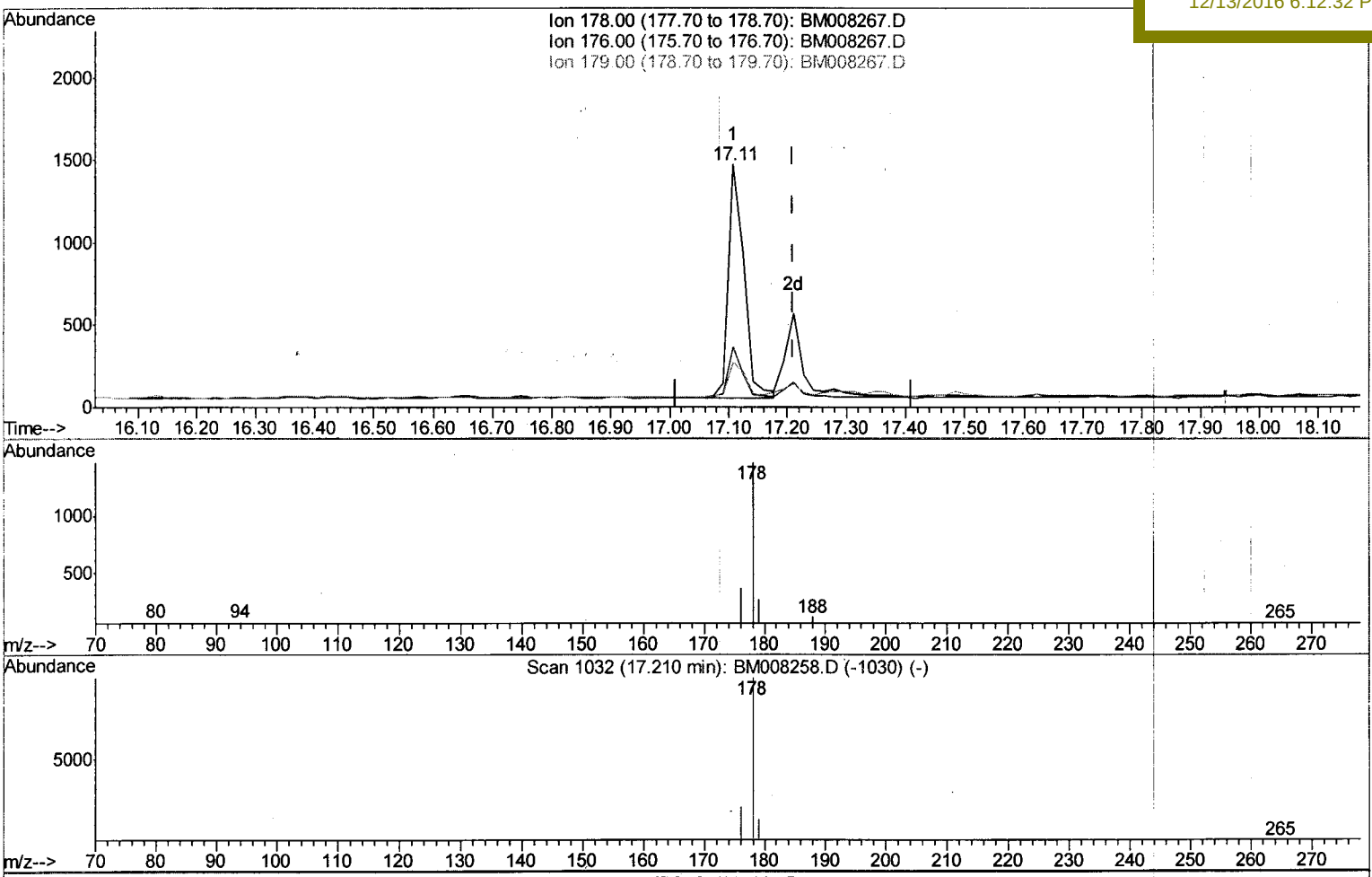
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



TIC: BM008267.D

(13) Anthracene

17.108min (-0.103) 0.52ng/ul

response 2647

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	24.49
179.00	18.40	18.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
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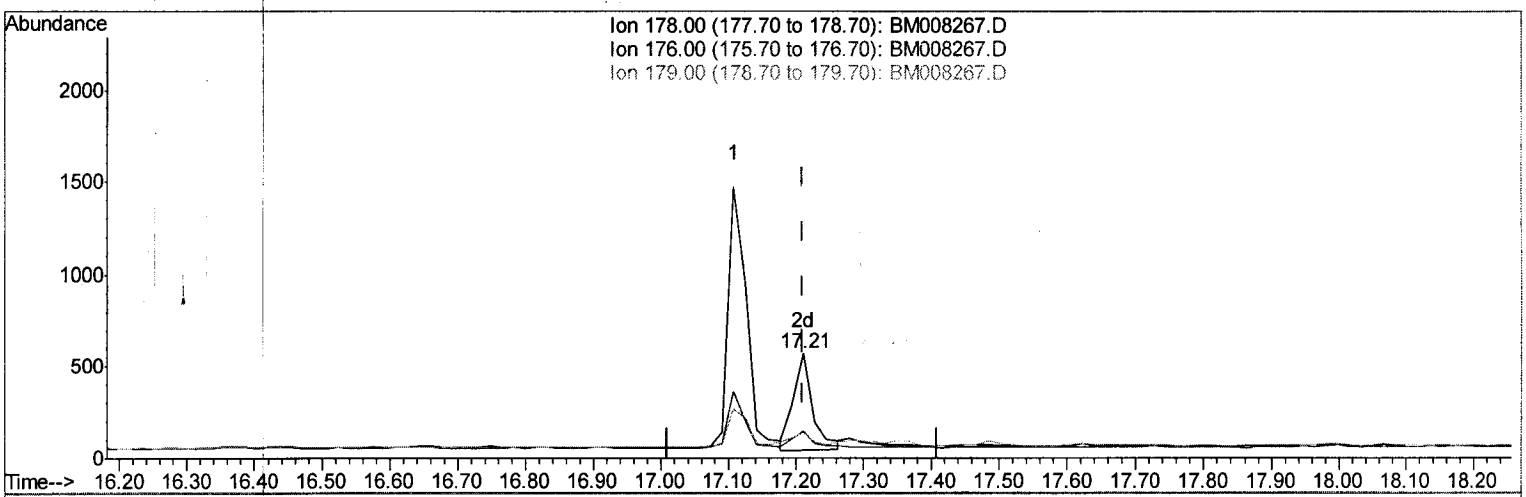

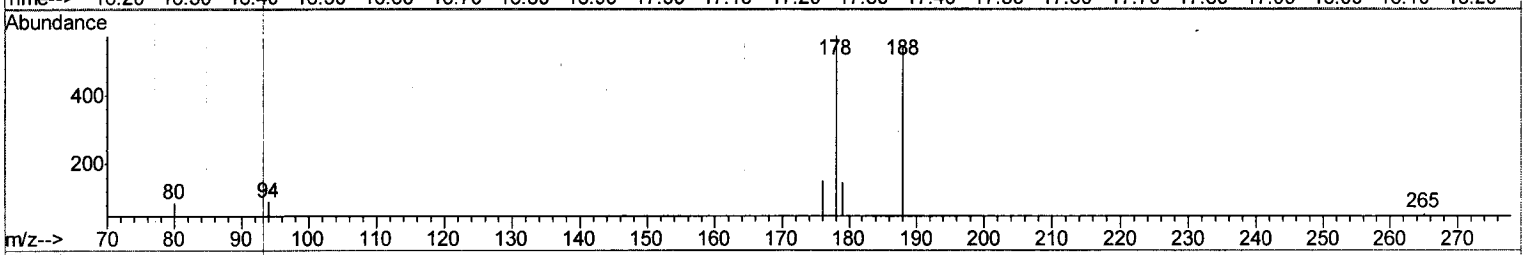

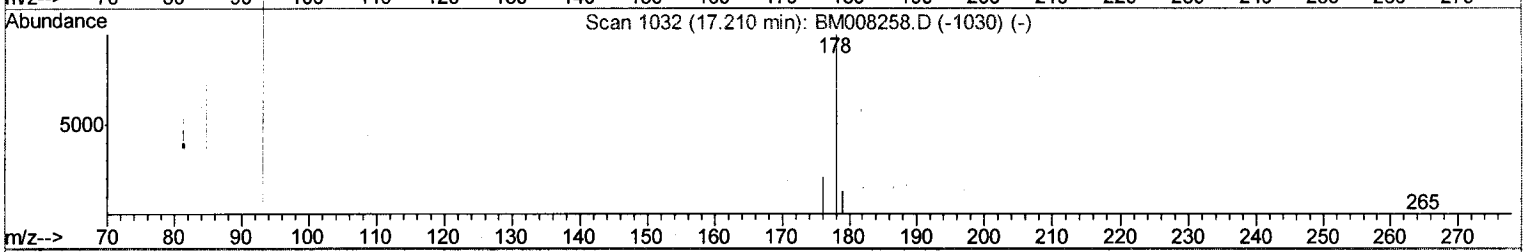

TIC: BM008267.D

(13) Anthracene

17.210min (+0.000) 0.20ng/ul m > S.J 12/14/2016

response 1031

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	26.27
179.00	18.40	25.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
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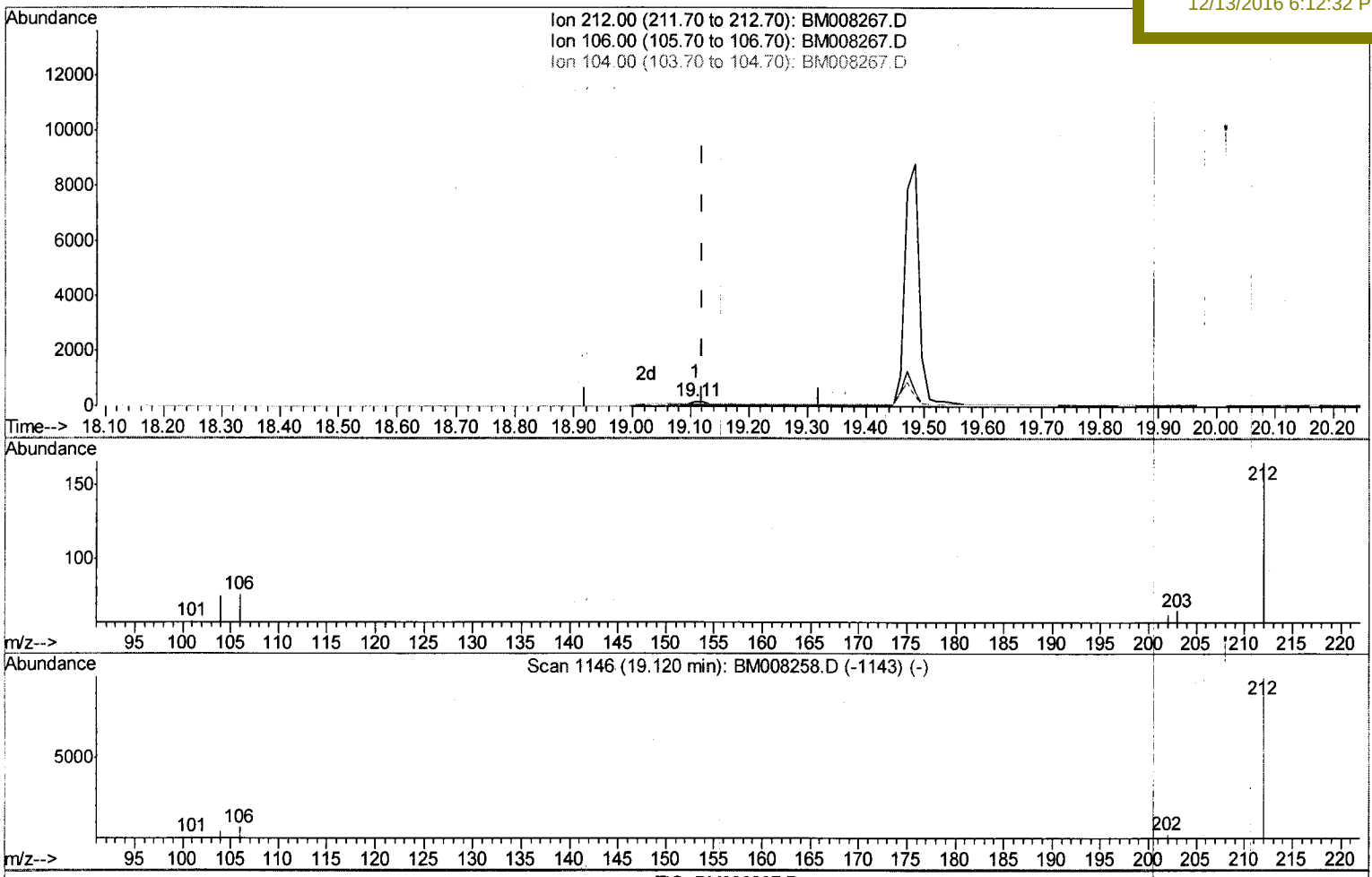


TIC: BM008267.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.012) 0.07ng/ul

response 362

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	268.23#
104.00	15.60	289.23#
0.00	0.00	0.00

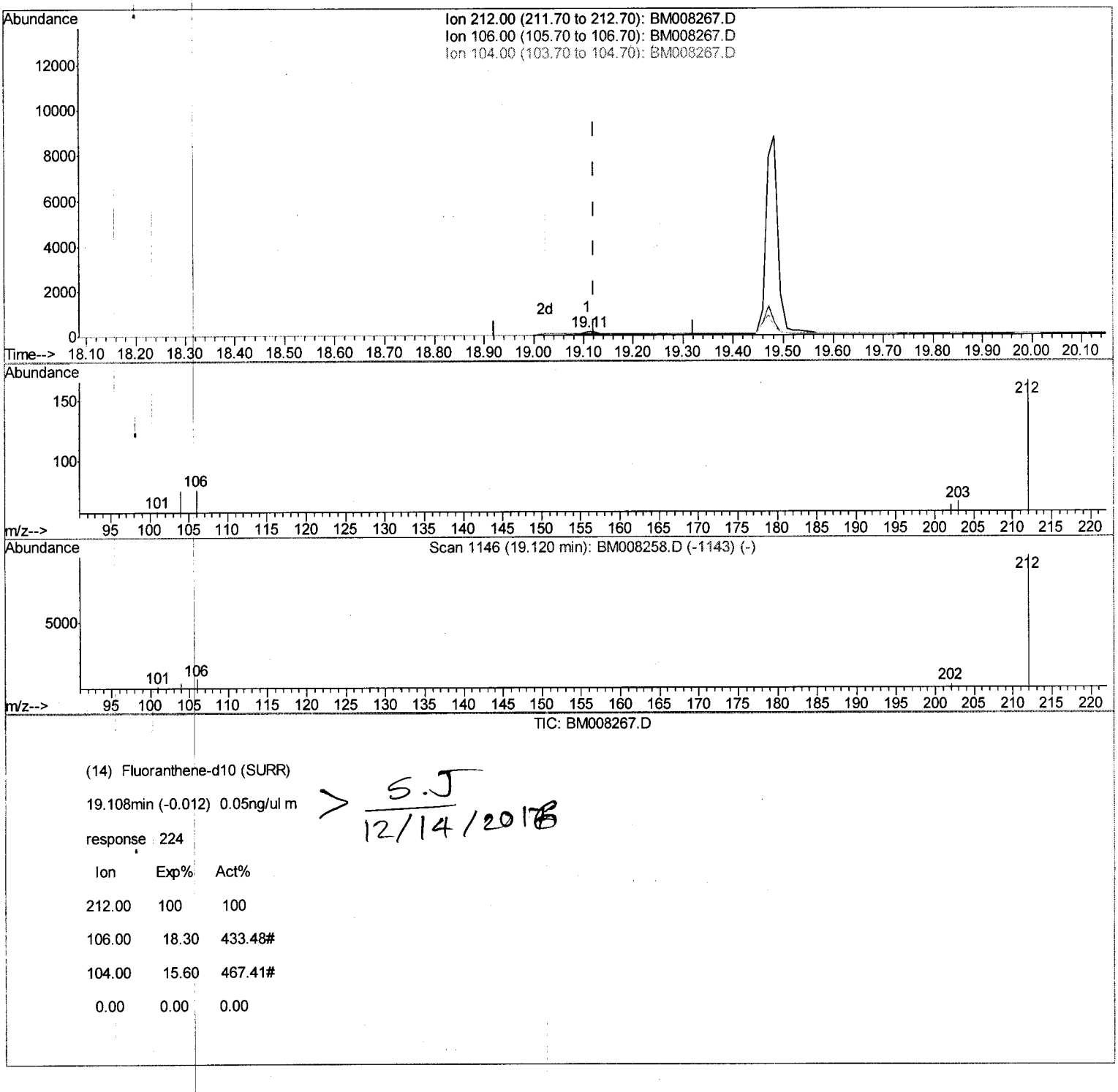
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



(14) Fluoranthene-d10 (SURR)

19.108min (-0.012) 0.05ng/ul m

response 224

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	433.48#
104.00	15.60	467.41#
0.00	0.00	0.00

> S.J 12/14/2016

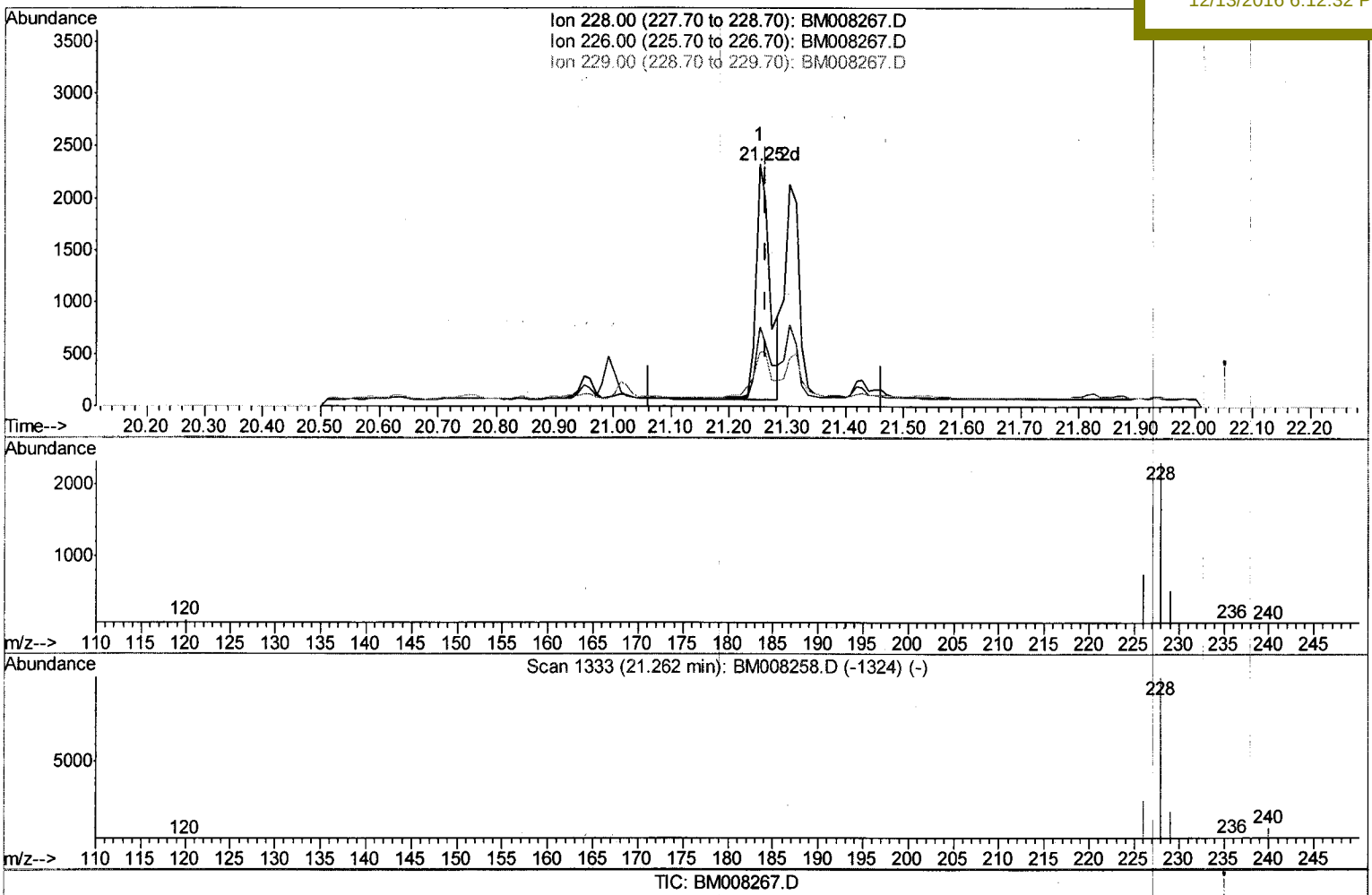
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



TIC: BM008267.D

(18) Benzo(a)anthracene

21.252min (-0.010) 0.84ng/ul

response 3913

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	32.67
229.00	21.30	22.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
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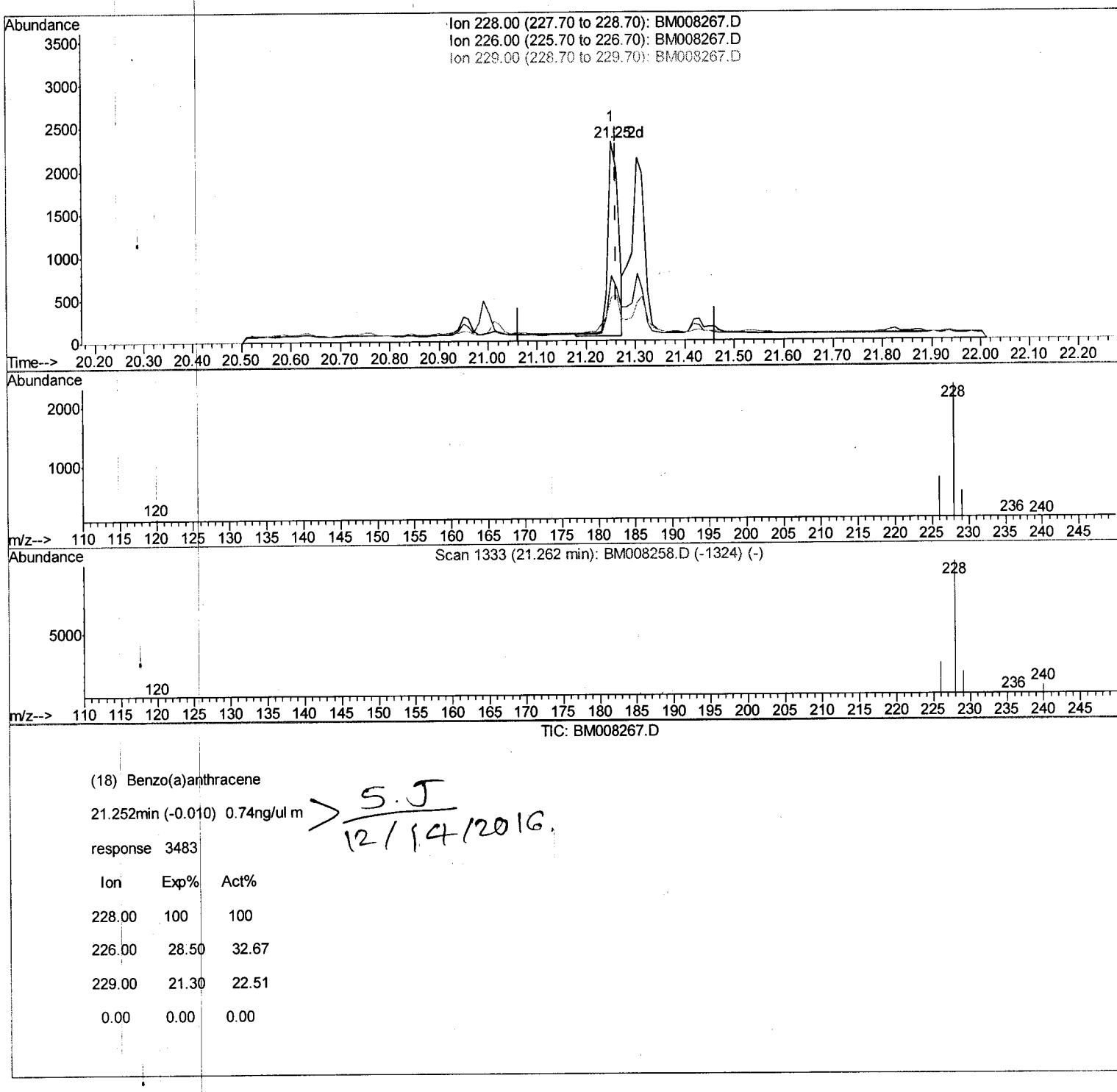


TIC: BM008267.D

(18) Benzo(a)anthracene

21.252min (-0.010) 0.74ng/ul m

response 3483

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	32.67
229.00	21.30	22.51
0.00	0.00	0.00

S.J 12/14/2016.

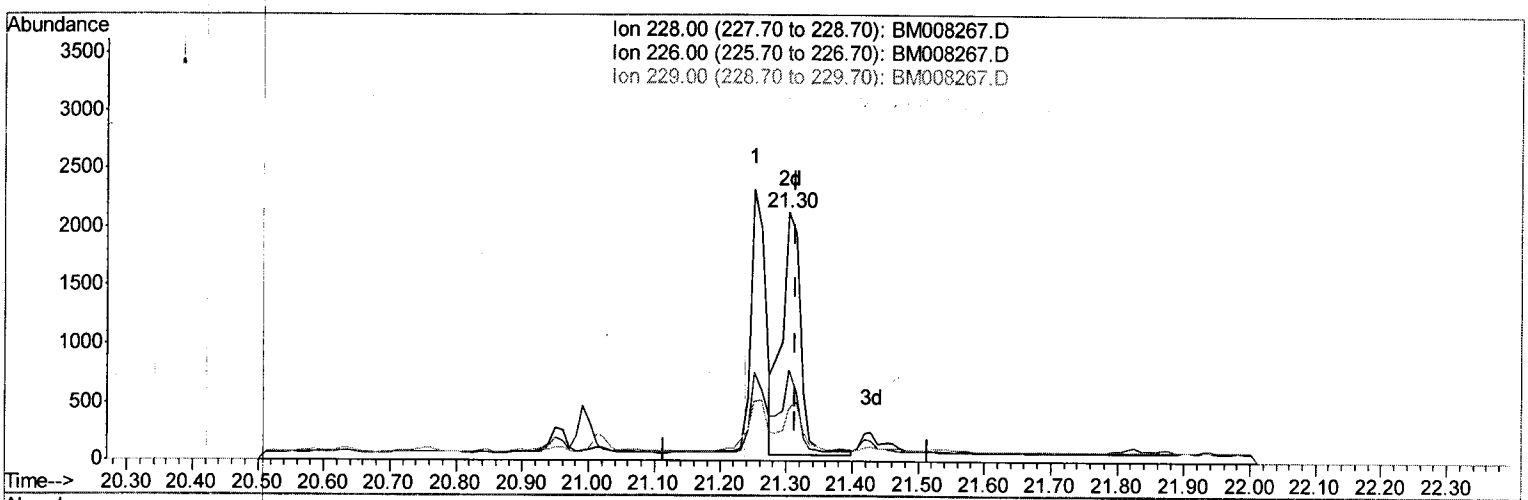
Quantitation Report (Qedit)

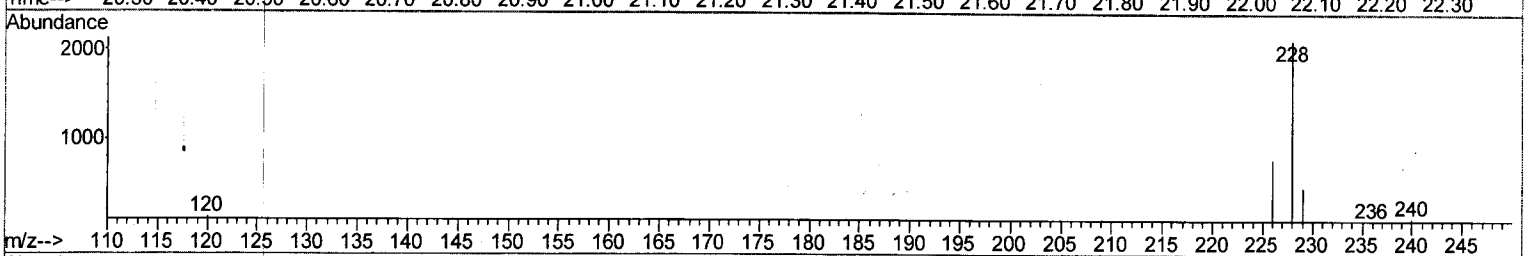
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

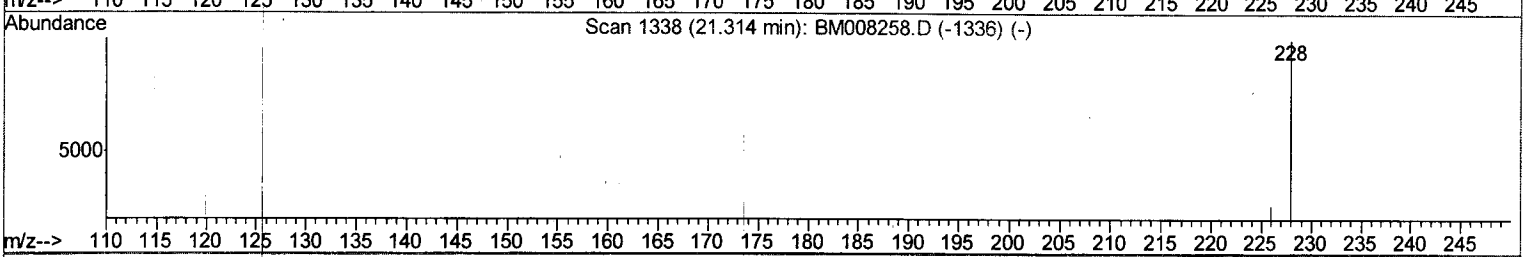
Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM







TIC: BM008267.D

(19) Chrysene

21.304min (-0.010) 0.73ng/ul m > S.J 12/14/2016

response 4235

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	36.59#
229.00	22.10	21.53
0.00	0.00	0.00

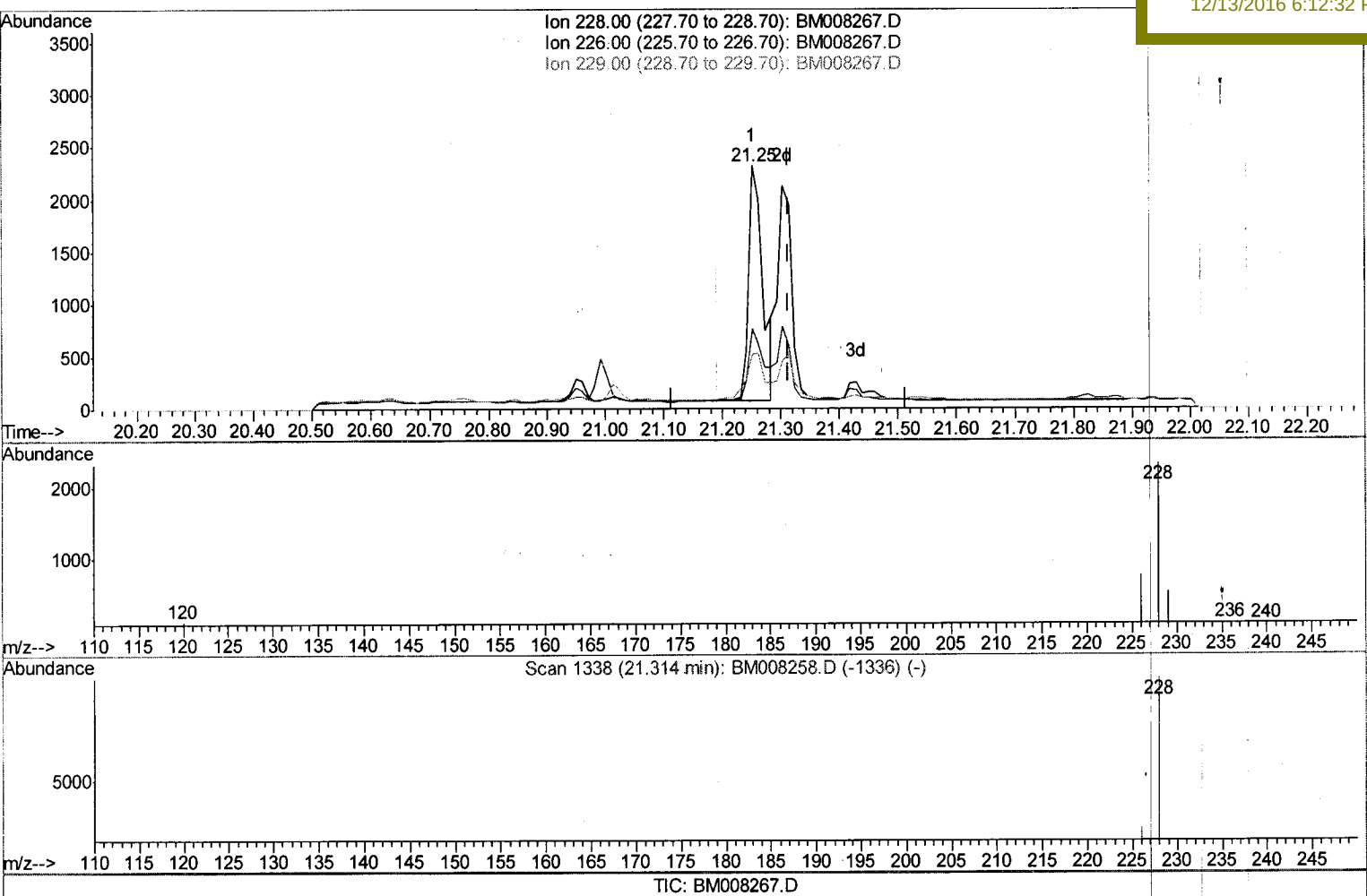
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



TIC: BM008267.D

(19) Chrysene

21.252min (-0.062) 0.67ng/ul

response 3902

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	32.67
229.00	22.10	22.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : DA806DL

Manual Integrations APPROVED
umangi
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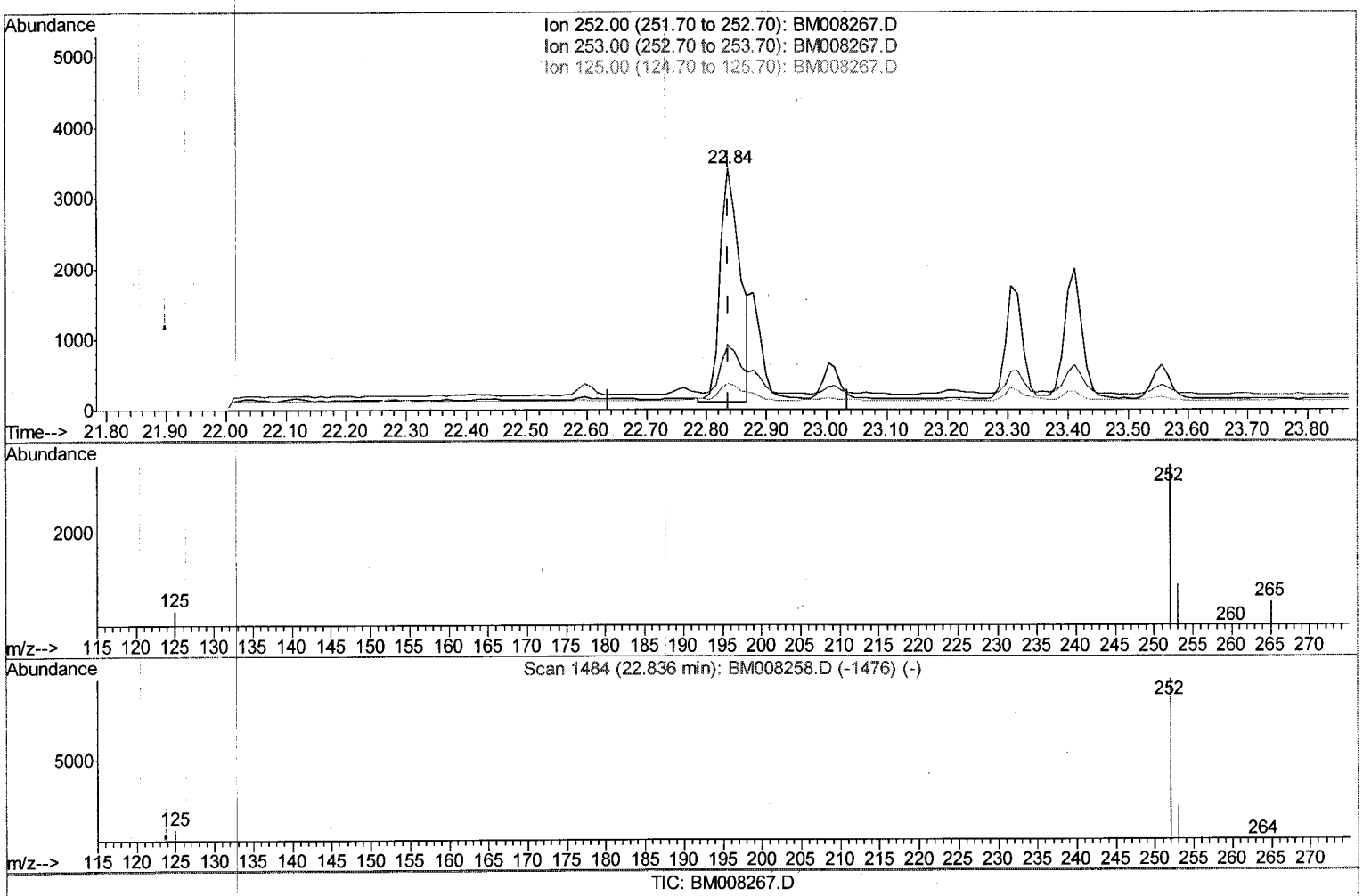


TIC: BM008267.D

(21) Benzo(b)fluoranthene

22.836min (+0.000) 1.28ng/ul m

response 7659

S.J 12/14/2016

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.86
125.00	17.50	10.89
0.00	0.00	0.00

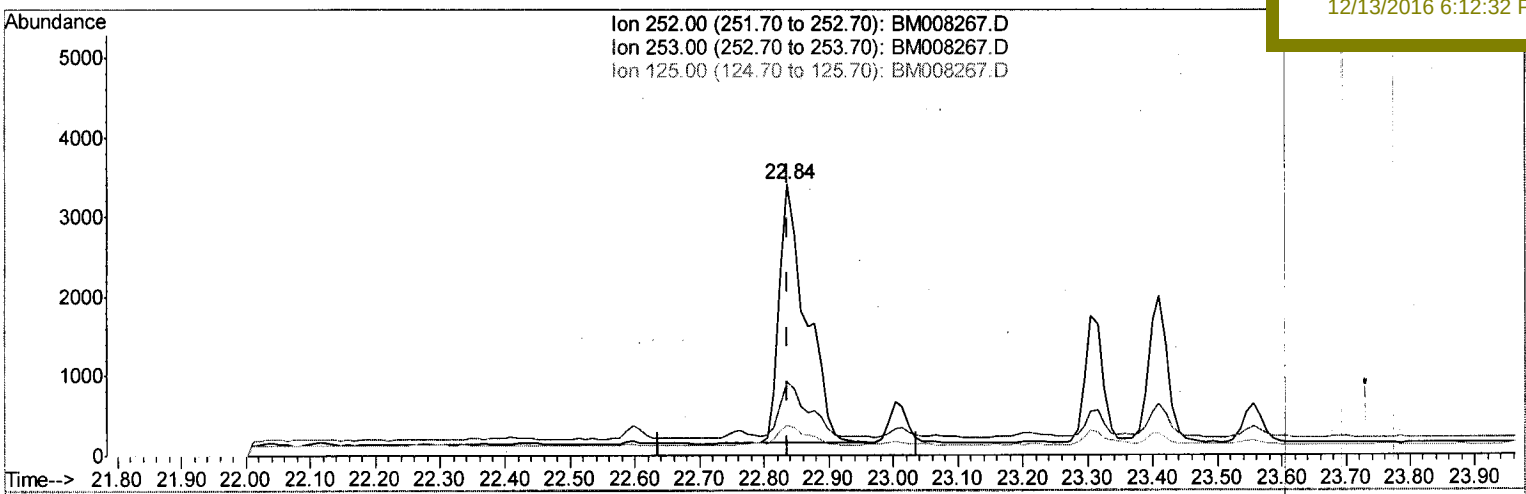
Quantitation Report (Qedit)

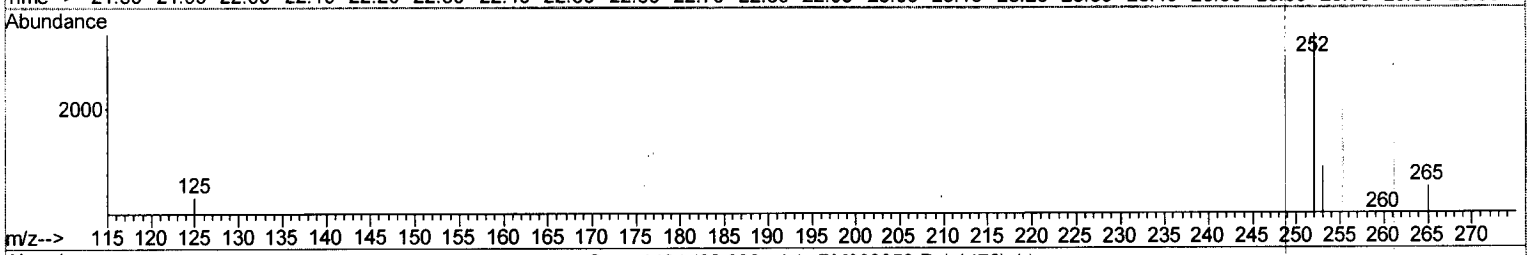
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

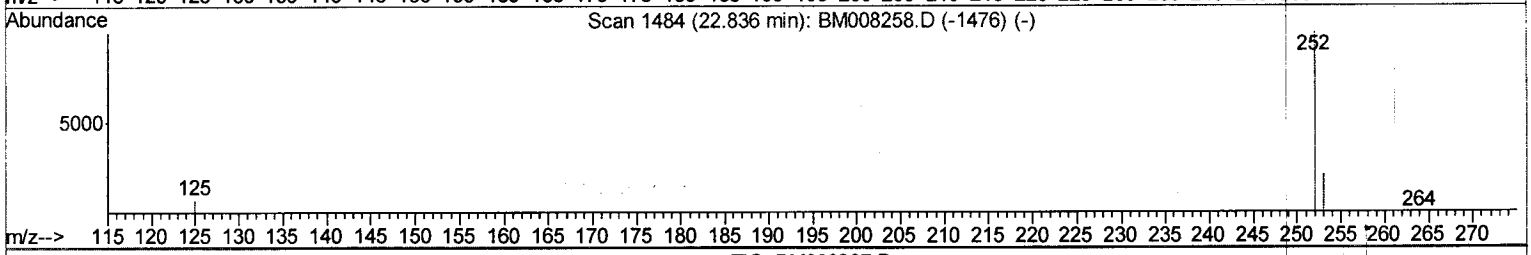
Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM







TIC: BM008267.D

(21) Benzo(b)fluoranthene

22.836min (+0.000) 1.56ng/ul

response 9350

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.86
125.00	17.50	10.89
0.00	0.00	0.00

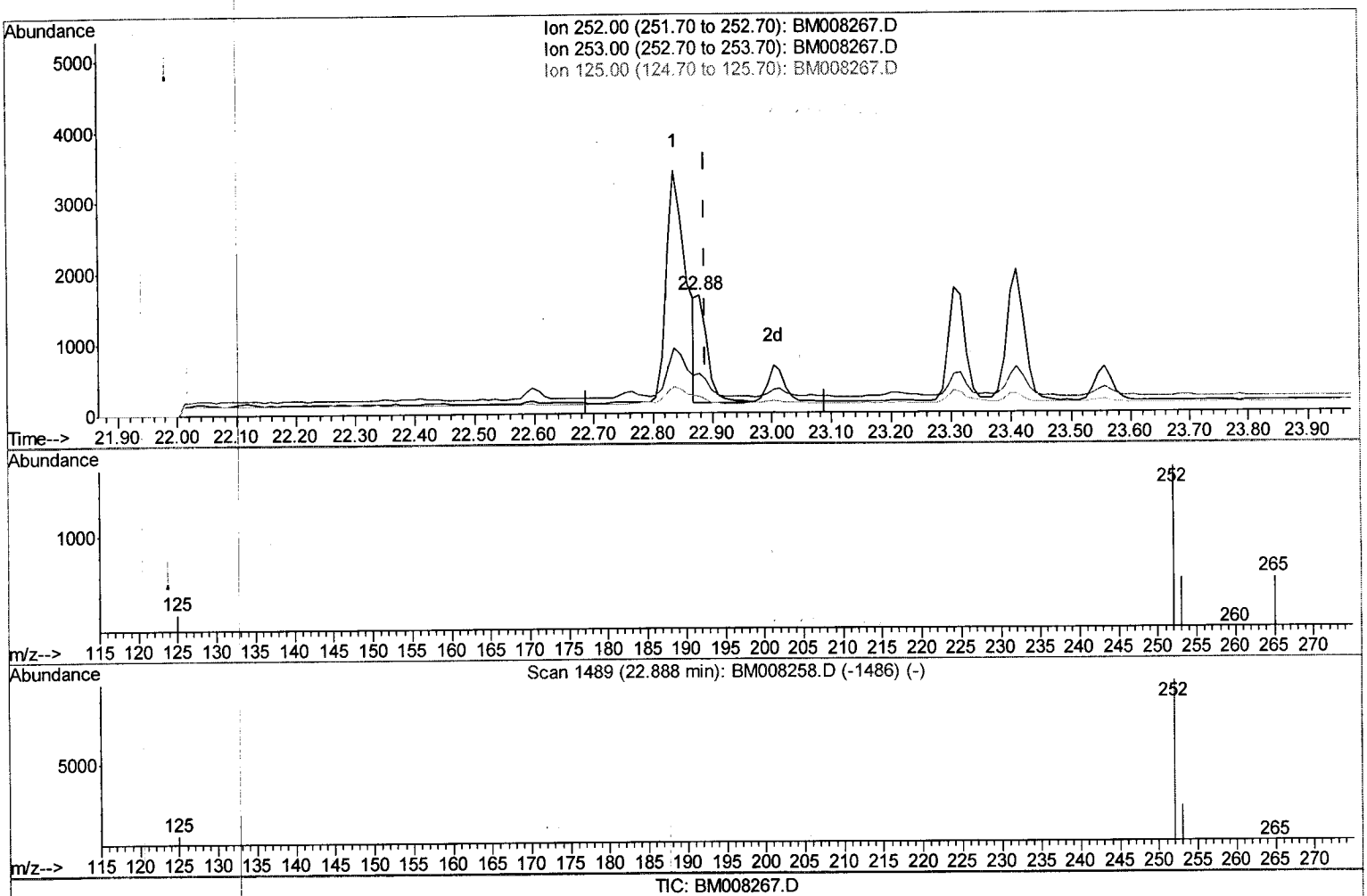
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM



TIC: BM008267.D

(22) Benzo(k)fluoranthene

22.878min (-0.010) 0.32ng/ul m

response 2000

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.66
125.00	17.10	13.81
0.00	0.00	0.00

> S.J 12/14/2016.

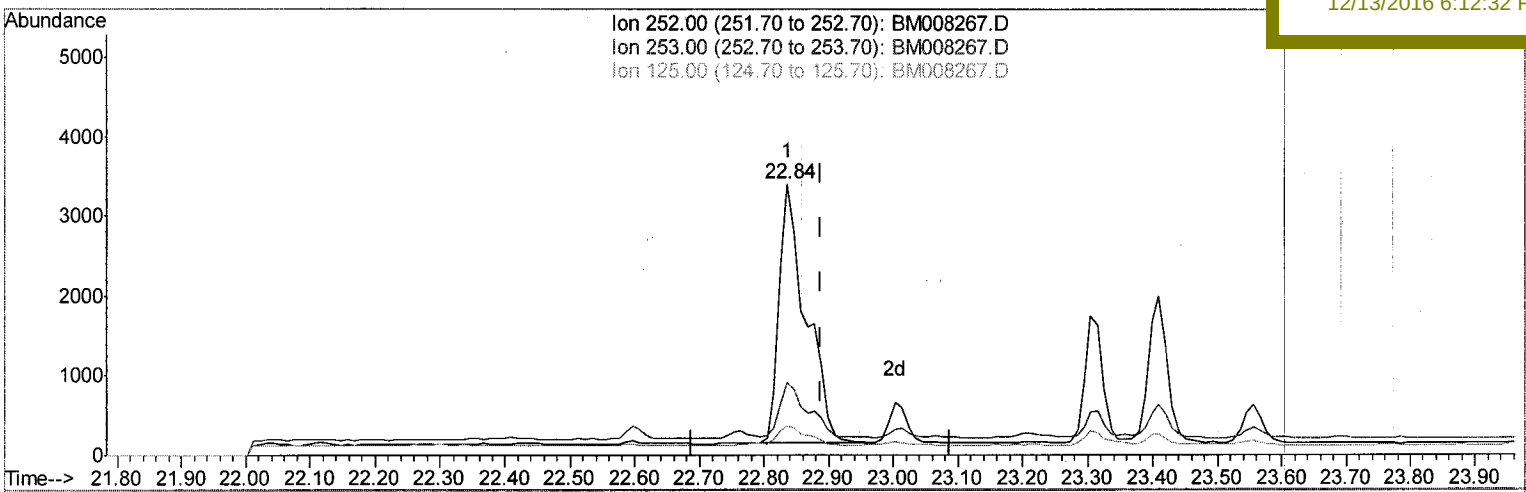
Quantitation Report (Qedit)

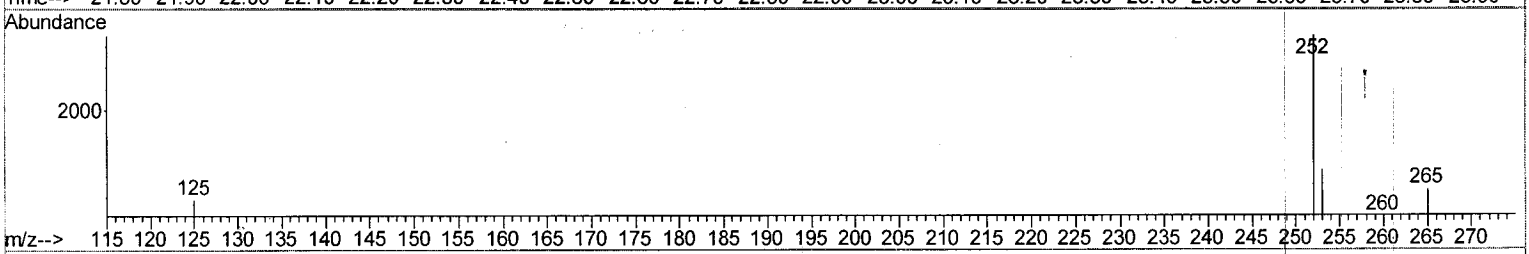
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

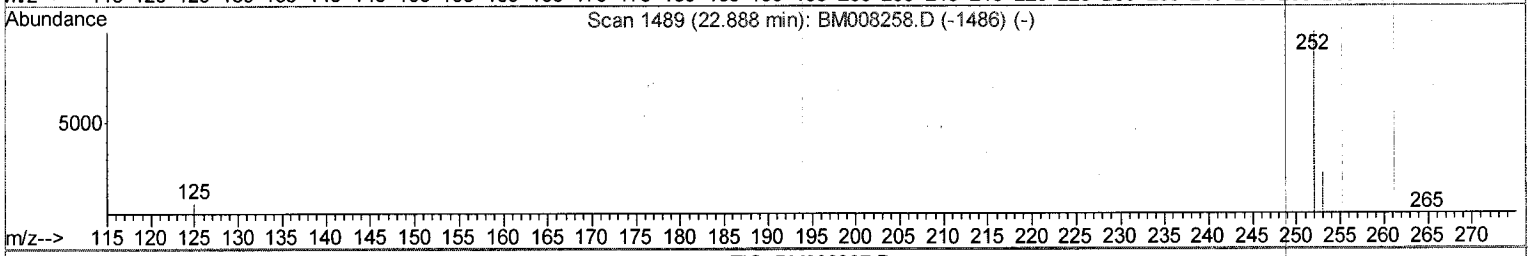
Quant Time: Dec 13 02:31:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
umangi
12/13/2016 6:12:32 PM







TIC: BM008267.D

(22) Benzo(k)fluoranthene

22.836min (-0.052) 1.52ng/ul

response 9350

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.86
125.00	17.10	10.89#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 03:07:51 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	541	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	1817	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	1034	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1744	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1526	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1499	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	102	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	224m	0.05	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.52	128	836	0.16	ng/ul#	82
5) 2-Methylnaphthalene	12.14	142	686	0.21	ng/ul	98
7) Acenaphthylene	14.04	152	594	0.13	ng/ul#	77
8) Acenaphthene	14.38	153	276	0.08	ng/ul#	92
9) Fluorene	15.38	166	195m	0.05	ng/ul	
12) Phenanthrene	17.11	178	2658	0.49	ng/ul	97
13) Anthracene	17.21	178	1031m	0.20	ng/ul	
15) Fluoranthene	19.14	202	5532	0.79	ng/ul	96
17) Pyrene	19.51	202	5584	1.05	ng/ul	98
18) Benzo(a)anthracene	21.25	228	3483m	0.74	ng/ul	
19) Chrysene	21.30	228	4235m	0.73	ng/ul	
21) Benzo(b)fluoranthene	22.84	252	7659m	1.28	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	2000m	0.32	ng/ul	
23) Benzo(a)pyrene	23.41	252	3677	0.66	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.76	276	3047	0.44	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.76	278	839	0.15	ng/ul#	69
26) Benzo(g,h,i)perylene	26.44	276	2398	0.39	ng/ul	94

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

Instrument :
BNA_M
ClientSampleId :
DA806DL

Manual Integrations APPROVED
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S.J 12/14/2016

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S.J 12/14/2016

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008267.D
Acq On : 12 Dec 2016 17:21
Operator : UM/SJ
Sample : H5905-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 13 03:07:51 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806DL

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