

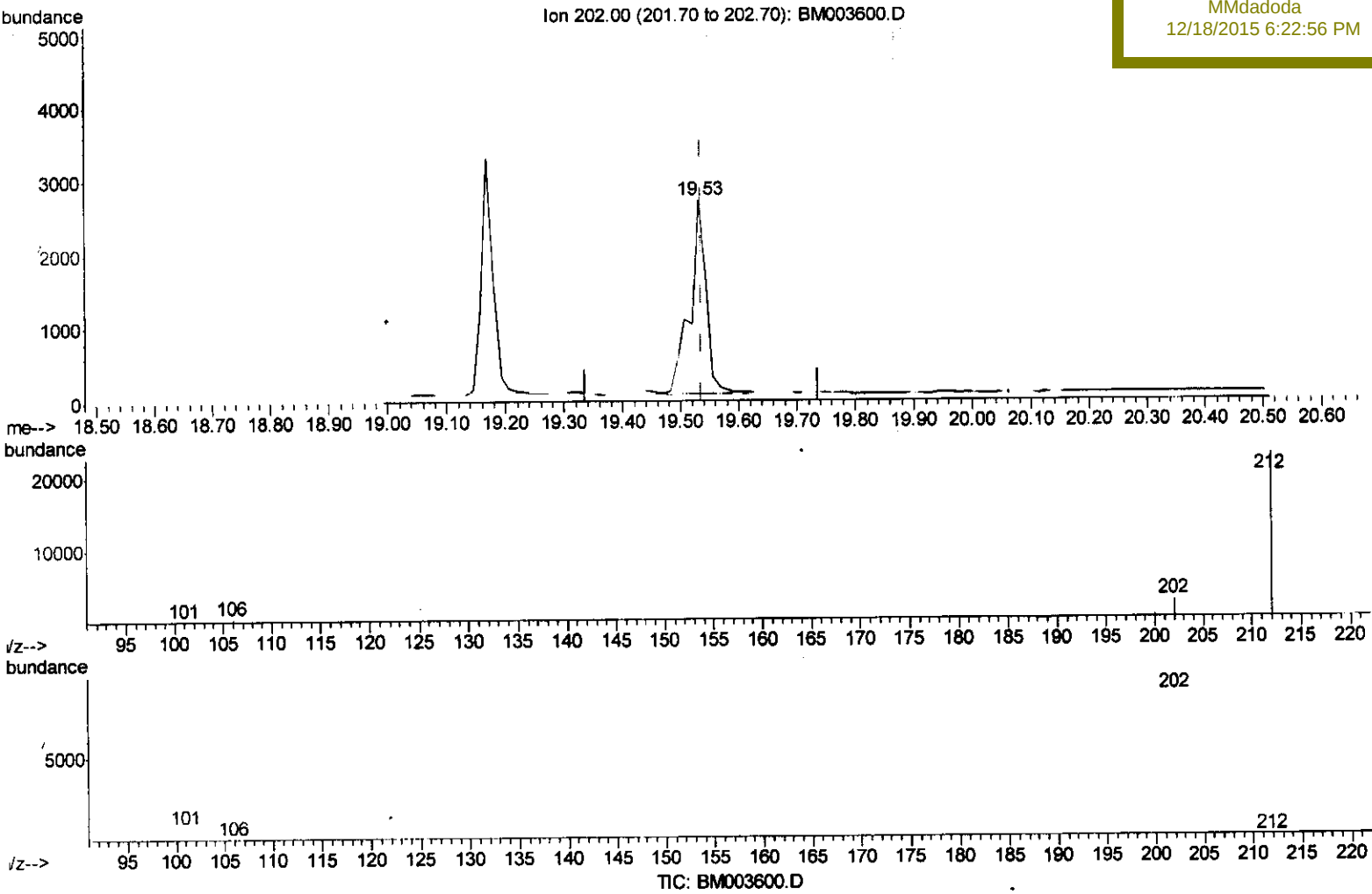
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/iZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 01:29:54 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:56 PM



(19) Pyrene

19.532min (-0.005) 0.20ng/ul

response 5127

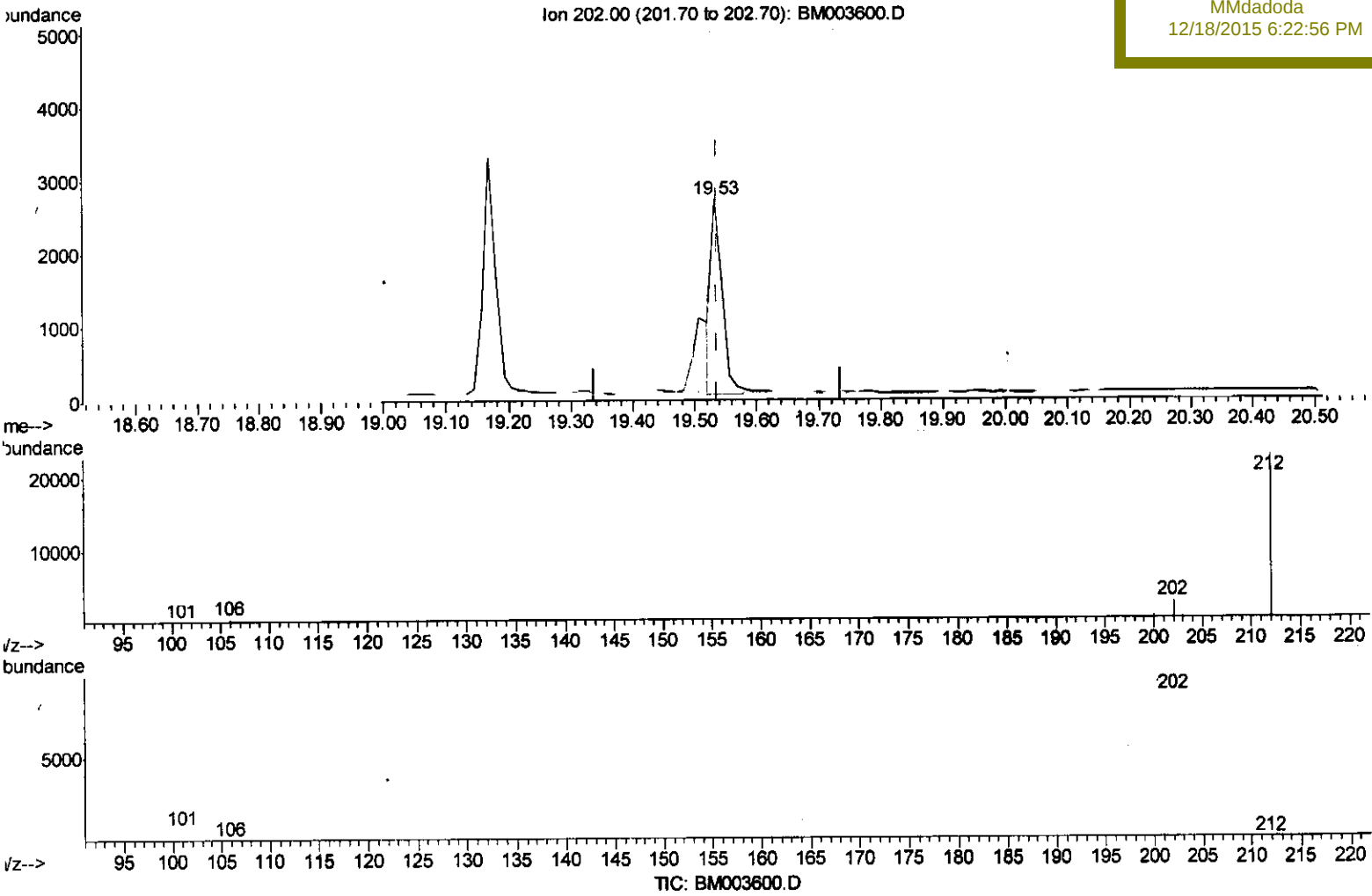
Ion	Exp%	Act%
202.00	100	100
200.00	22.30	23.81
203.00	16.00	23.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/IZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 01:29:54 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED
MMdadoda
12/18/2015 6:22:56 PM



(19) Pyrene

19.532min (-0.005) 0.13ng/ul m

response 3394

Ion	Exp%	Act%
202.00	100	100
200.00	22.30	23.81
203.00	16.00	23.00#
0.00	0.00	0.00

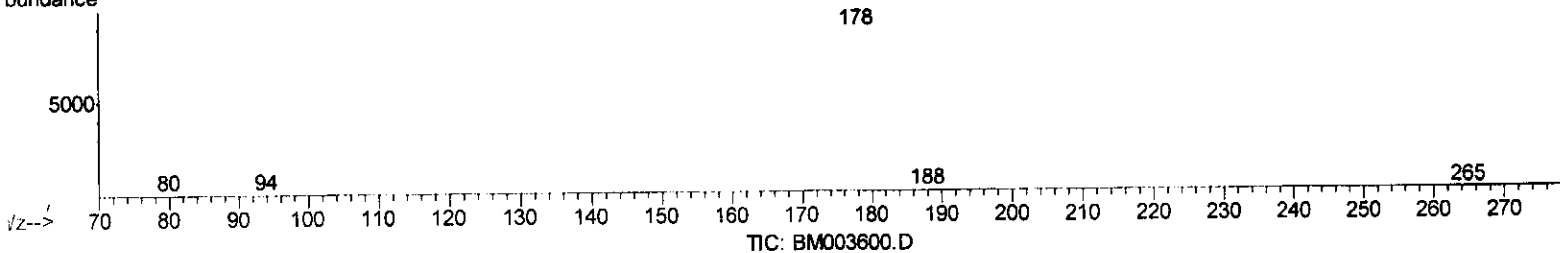
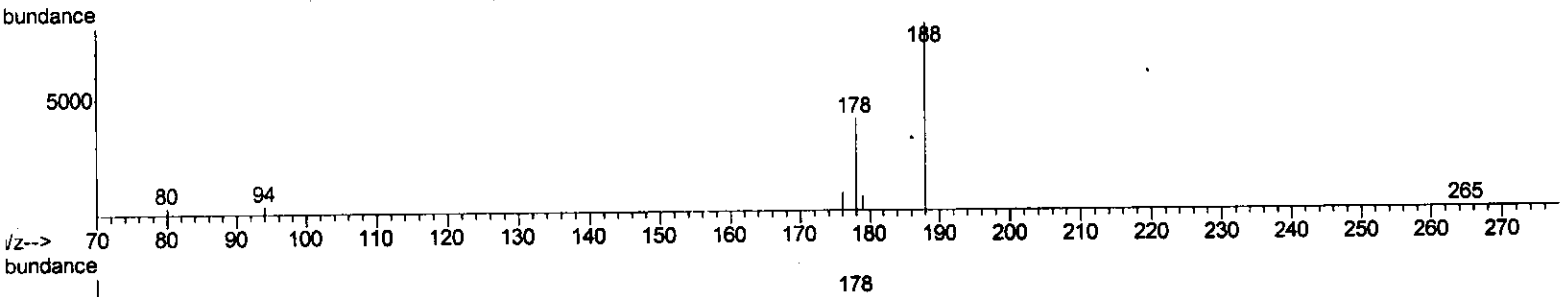
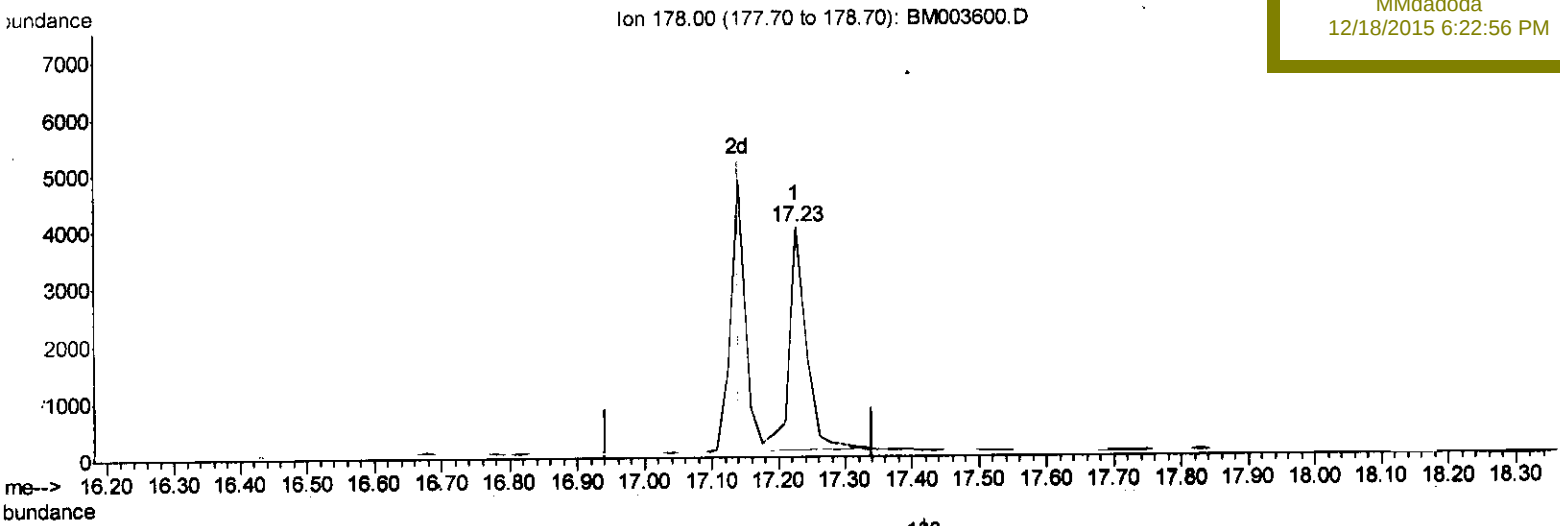
UM
12/18/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : JM/IJ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 01:29:54 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED
MMdadoda
12/18/2015 6:22:56 PM



(14) Phenanthrene
17.228min (+0.086) 0.24ng/ul
response 7055

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.77#
179.00	17.70	16.80
0.00	0.00	0.00

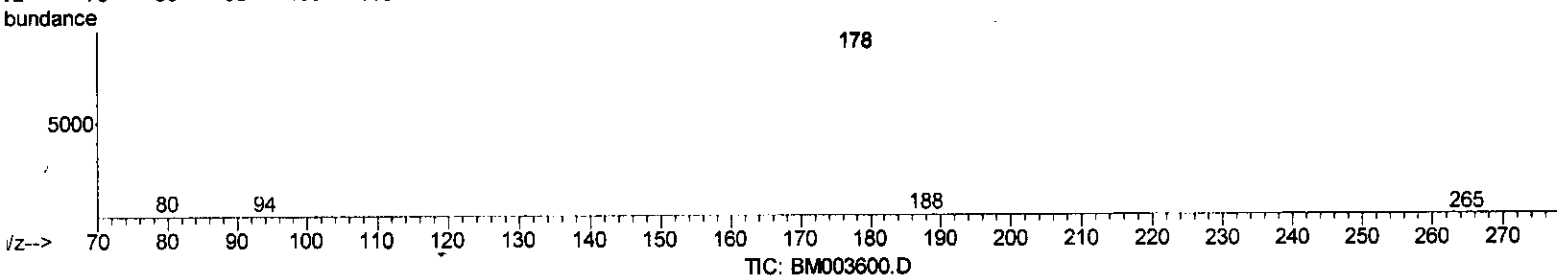
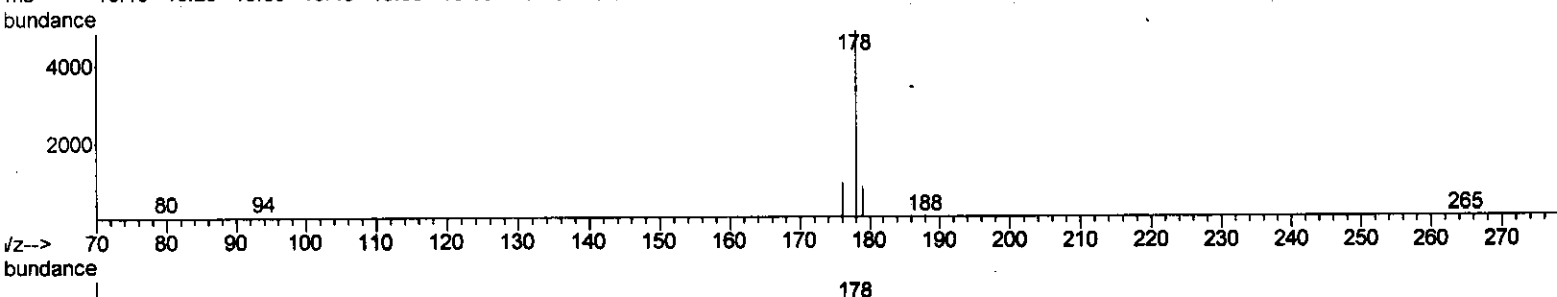
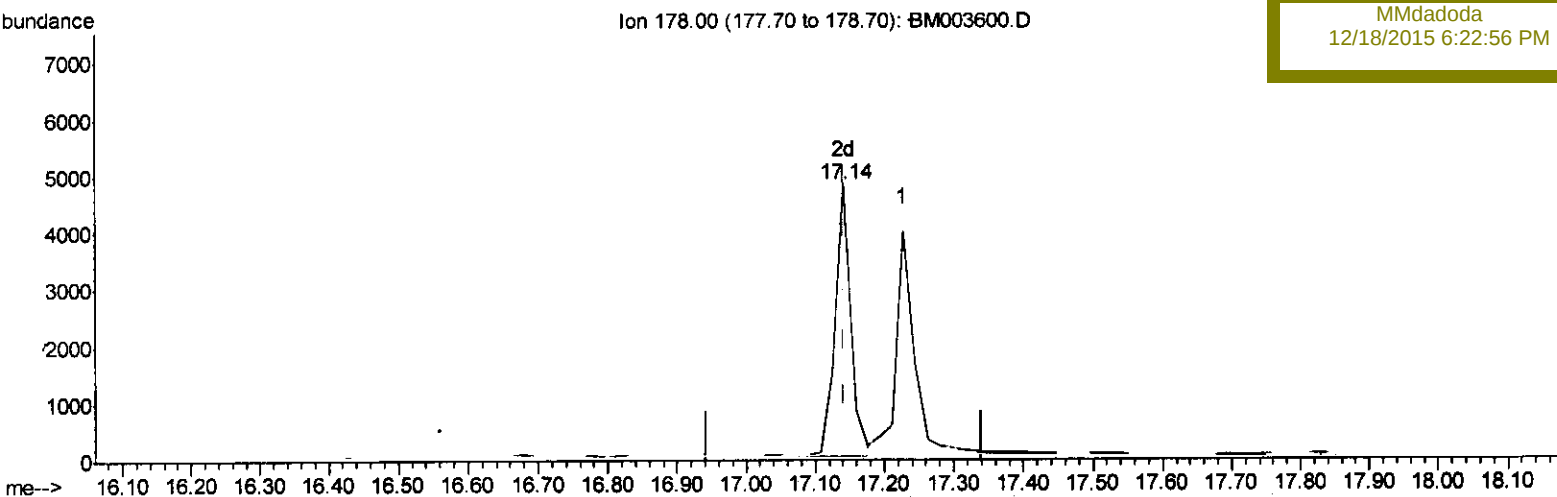
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003600.D
 Acq On : 17 Dec 2015 15:40
 Operator : UM/12
 Sample : G4734-03MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 01:29:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 00:41:46 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 A4KW2MS

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:22:56 PM



(14) Phenanthrene

17.142min (-0.000) 0.26ng/ul m

response 7542

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	19.49#
179.00	17.70	17.08
0.00	0.00	0.00

UM
12/18/15

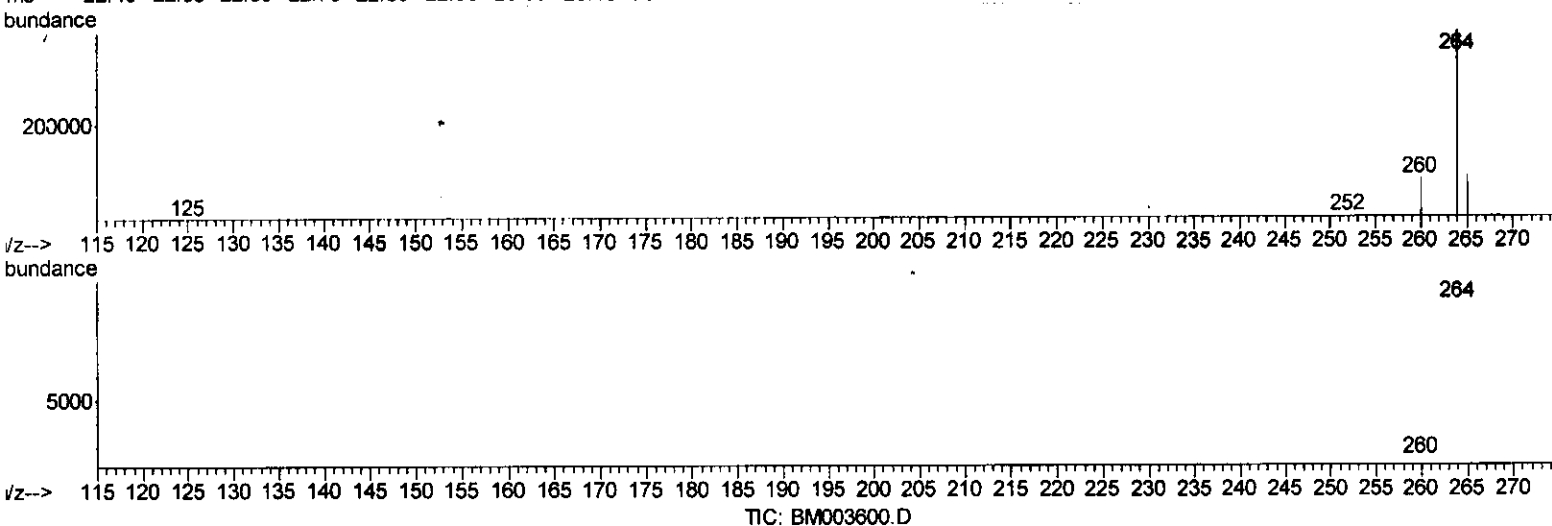
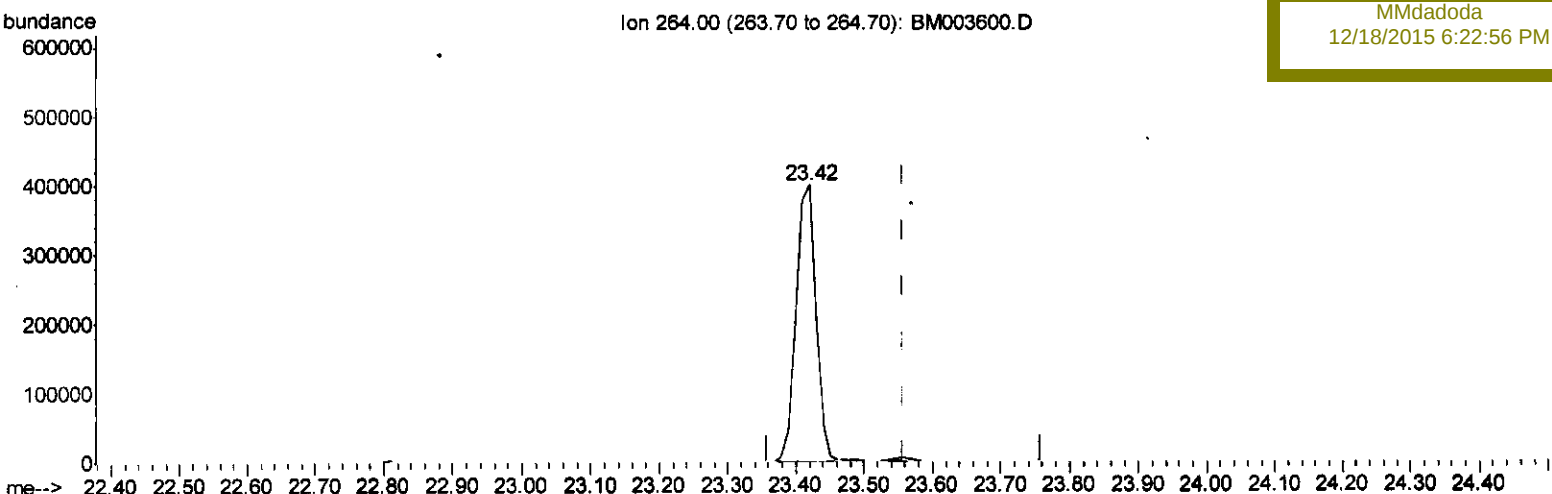
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003600.D
 Acq On : 17 Dec 2015 15:40
 Operator : UM/IZ
 Sample : G4734-03MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:45:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 00:41:46 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 A4KW2MS

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:22:56 PM



(22) Perylene-d12 (I)

23.420min (-0.139) 0.40ng/ul

response 789738

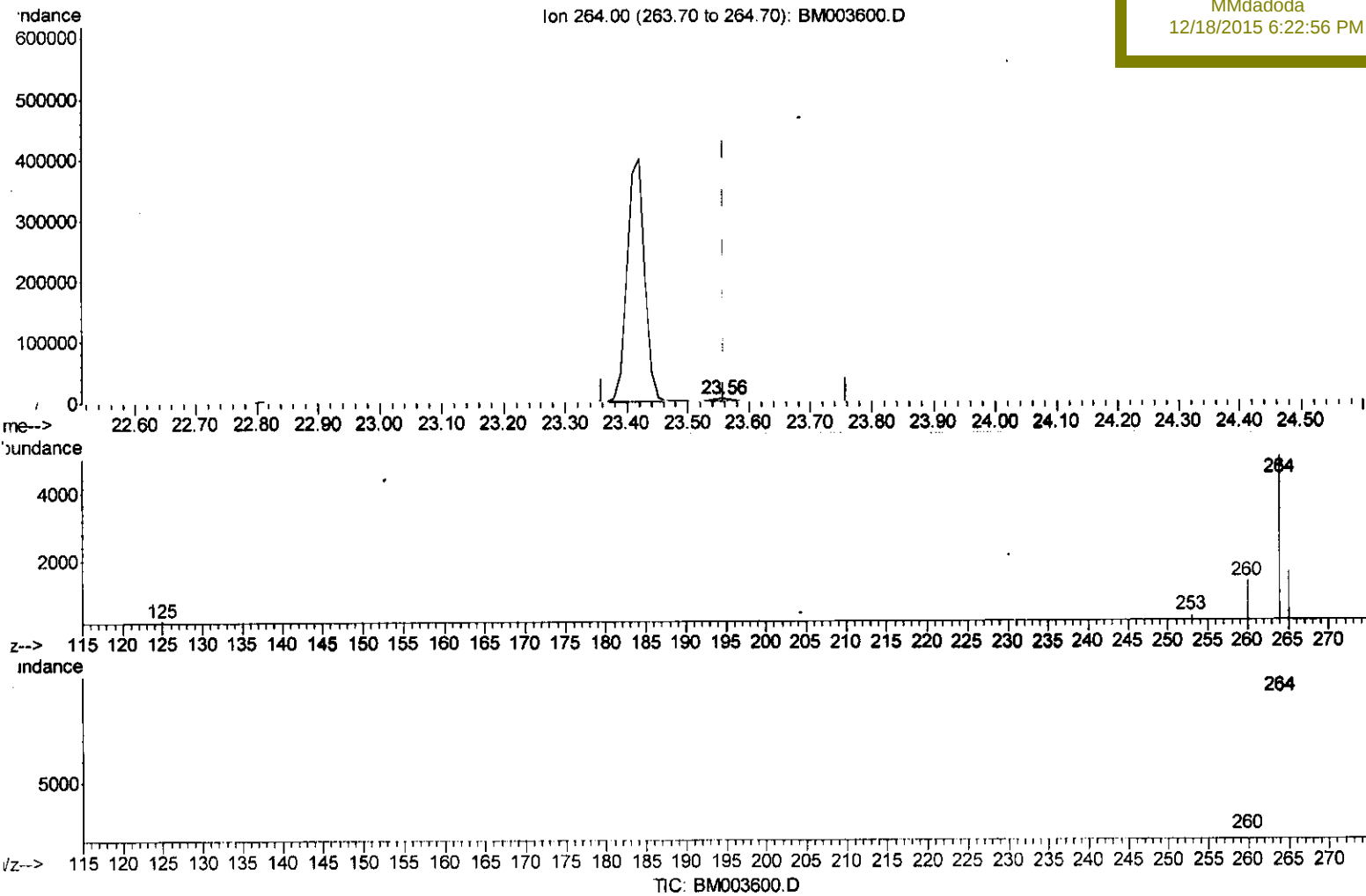
Ion	Exp%	Act%
264.00	100	100
260.00	25.60	20.43#
265.00	38.20	22.38#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/IZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:45:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampled :
A4KW2MS

Manual Integrations
APPROVED
MMdadoda
12/18/2015 6:22:56 PM



(22) Perylene-d12 (I)

23.556min (-0.003) 0.40ng/ul m

response 11478

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.44
265.00	38.20	31.75
0.00	0.00	0.00

UM/IZ
12/18/15

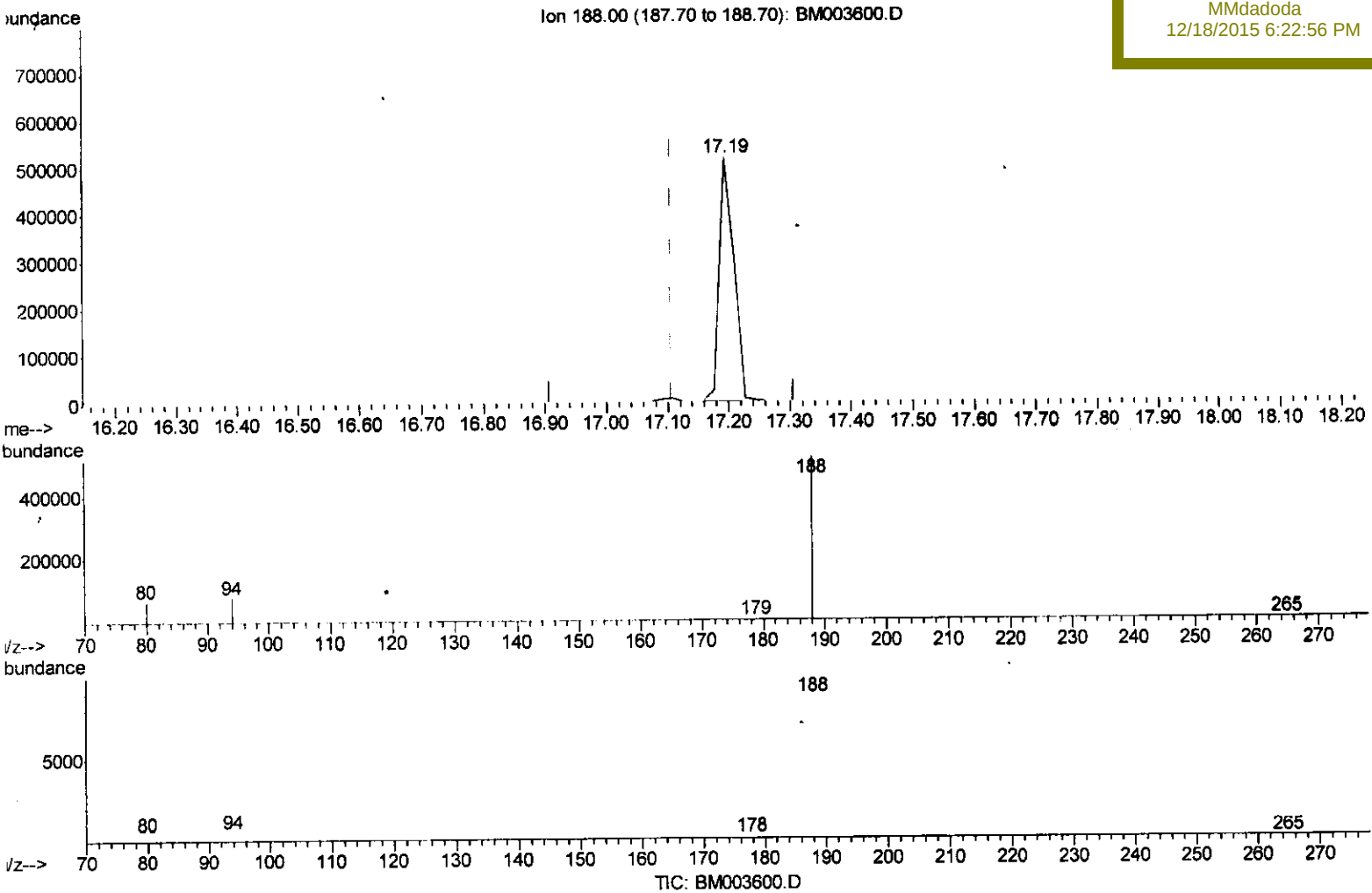
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/IZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:45:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:56 PM



(12) Phenanthrene-d10 (I)

17.193min (+0.086) 0.40ng/ul

response 869835

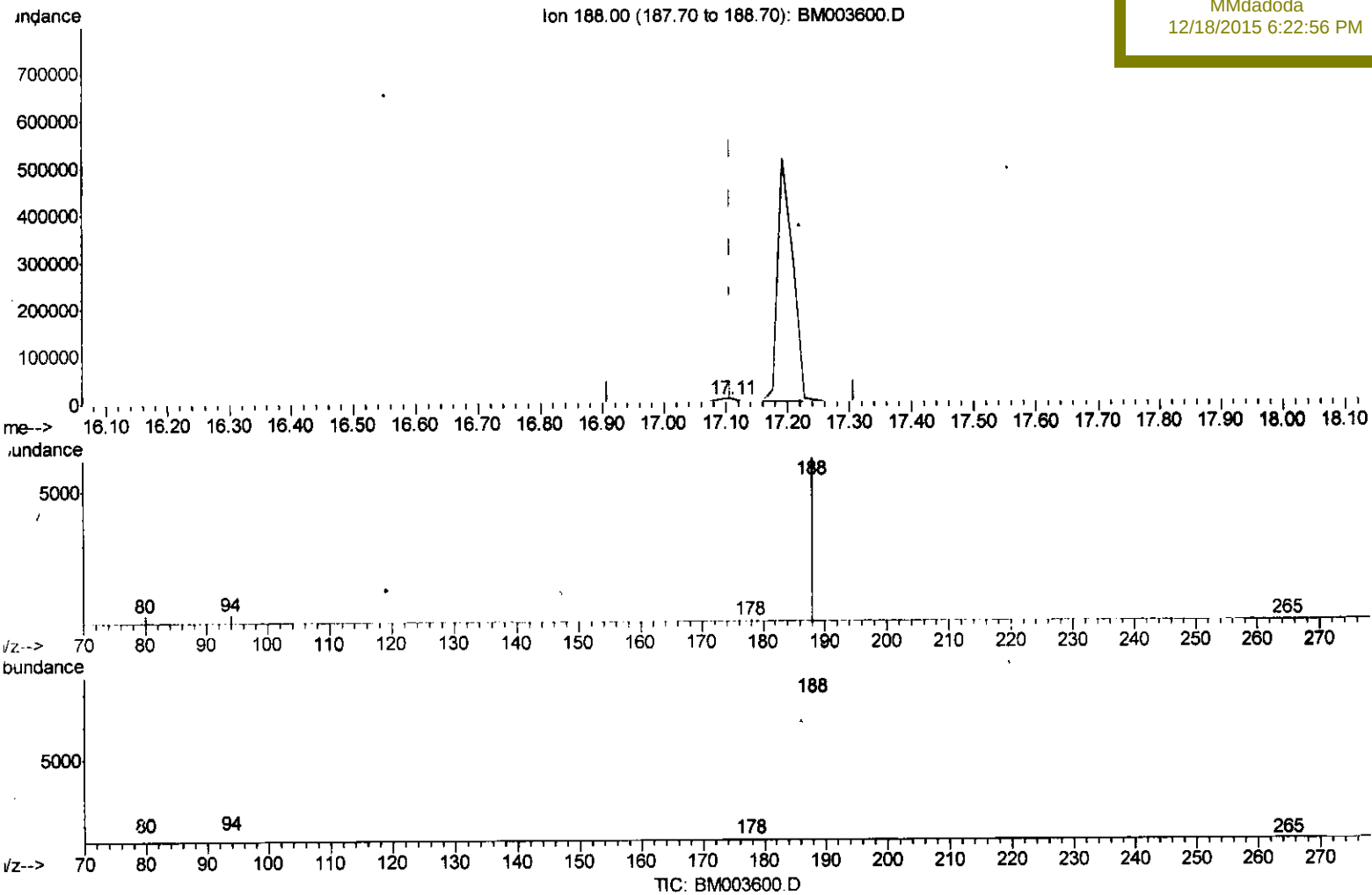
Ion	Exp%	Act%
188.00	100	100
94.00	11.70	14.78#
80.00	11.90	12.95
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/IZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 00:45:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED
MMdadoda
12/18/2015 6:22:56 PM



(12) Phenanthrene-d10 (I)

17.108min (-0.000) 0.40ng/ul m

response 11310

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	6.16#
80.00	11.90	5.50#
0.00	0.00	0.00

0.21
12/18/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/IZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 02:43:32 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Qlast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:56 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2520	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	10310	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	5953	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	11310m	0.40	ng/ul	0.00
18) Chrysene-d12	21.30	240	9391	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	11478m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	4128	3.83	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	5245	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	10001	0.42	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthene	14.42	153	1572	0.09	ng/ul#	91
11) Fluorene	15.41	166	1563	0.08	ng/ul#	91
13) Pentachlorophenol	16.76	266	902	0.56	ng/ul	93
14) Phenanthrene	17.14	178	7542m	0.26	ng/ul	
15) Anthracene	17.23	178	7122	0.28	ng/ul	95
17) Fluoranthene	19.17	202	4797	0.15	ng/ul	94
19) Pyrene	19.53	202	3394m	0.13	ng/ul	

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

UM
12/18/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003600.D
Acq On : 17 Dec 2015 15:40
Operator : UM/IZ
Sample : G4734-03MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 02:43:32 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:56 PM

