

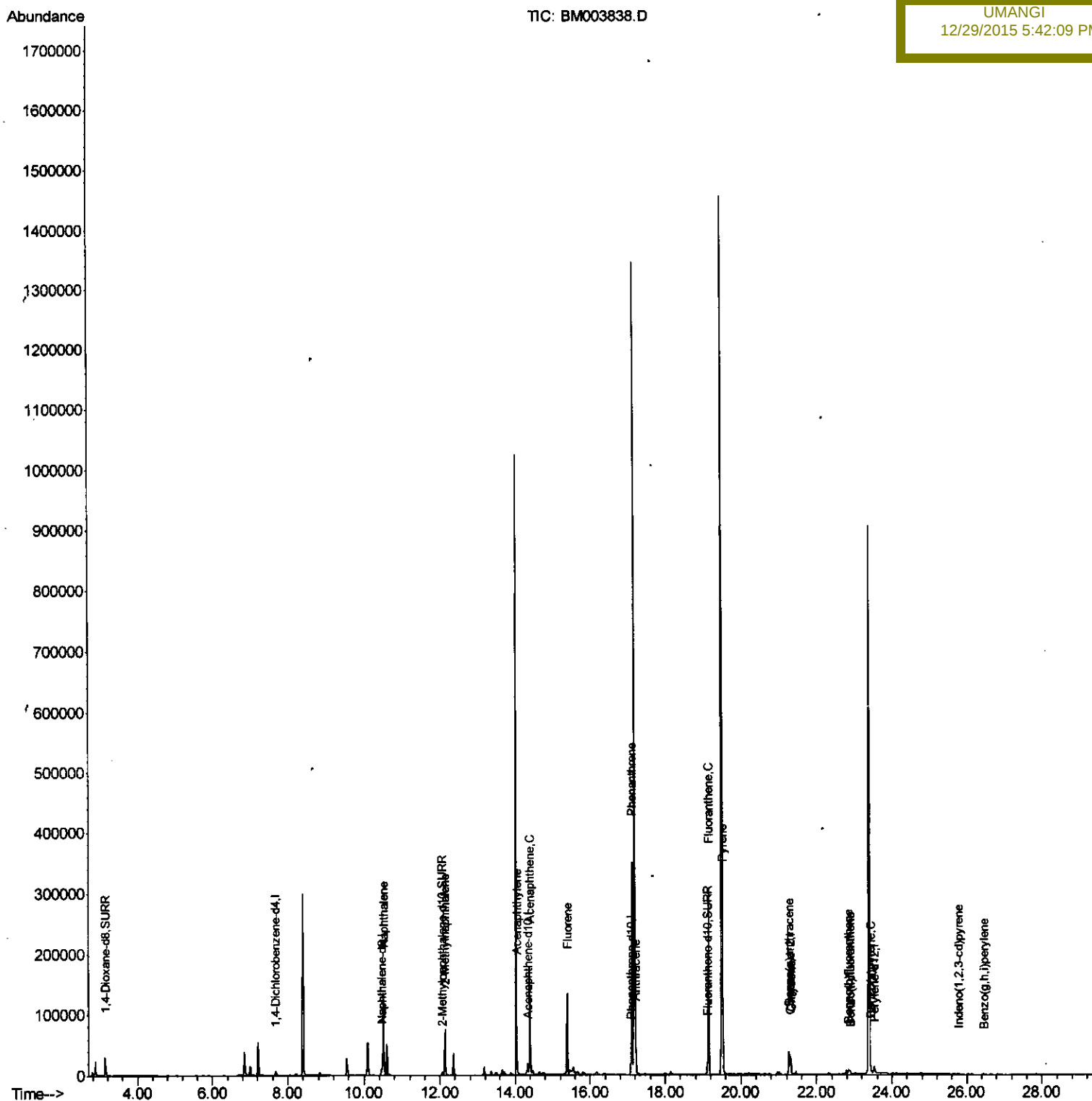
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:49:00 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 : Tue Dec 29 07:09:39 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N66

Manual Integrations
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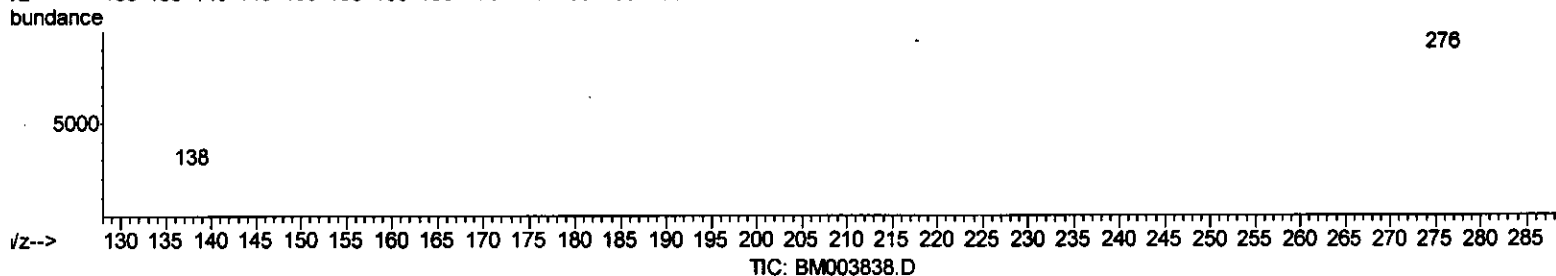
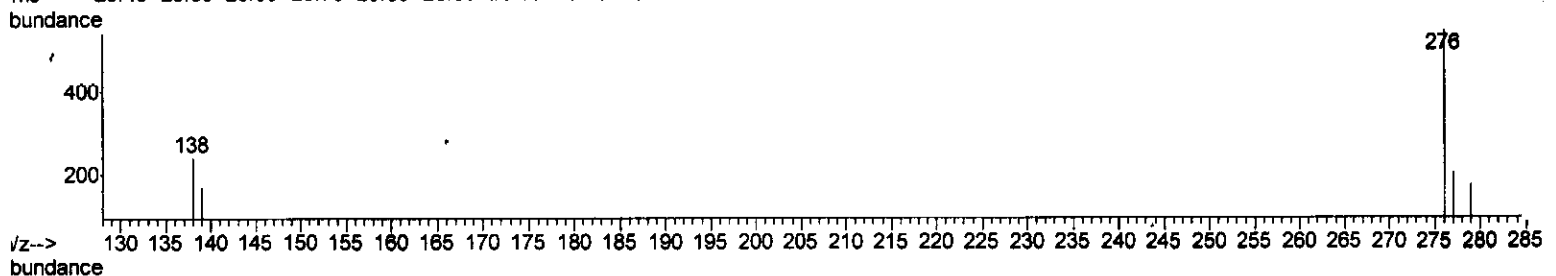
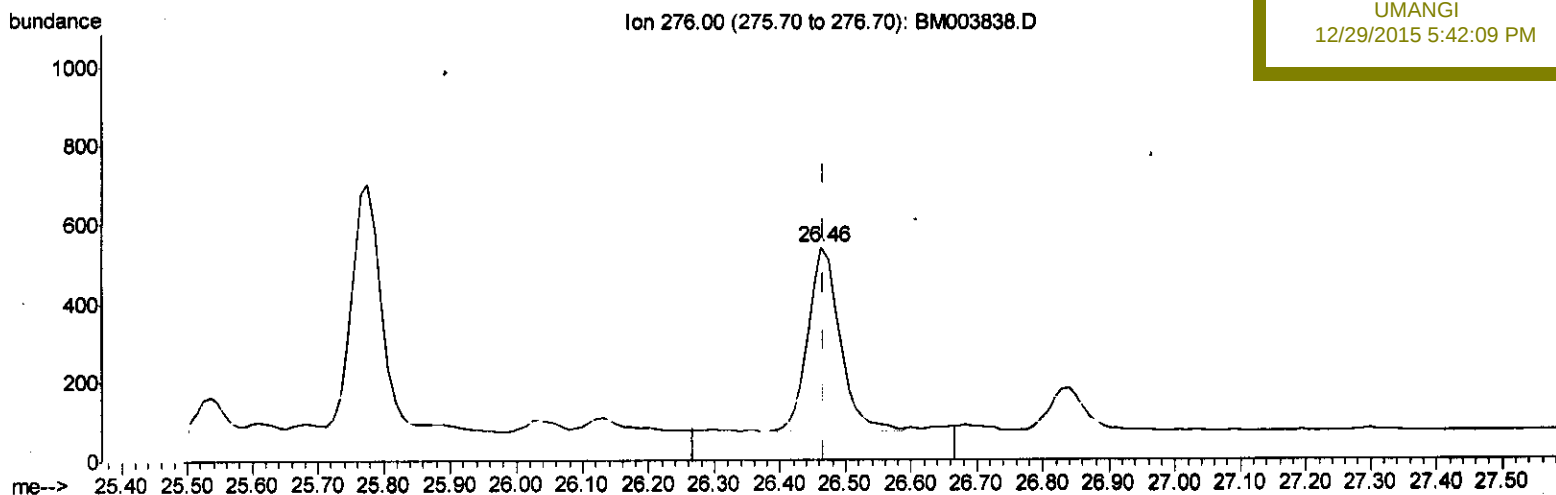
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:46:08 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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(28) Benzo(g,h,i)perylene

26.464min (-0.003) 0.05ng/ul m

response 1587

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	37.29#
138.00	28.10	44.71#
0.00	0.00	0.00

U.M
 12/31/15

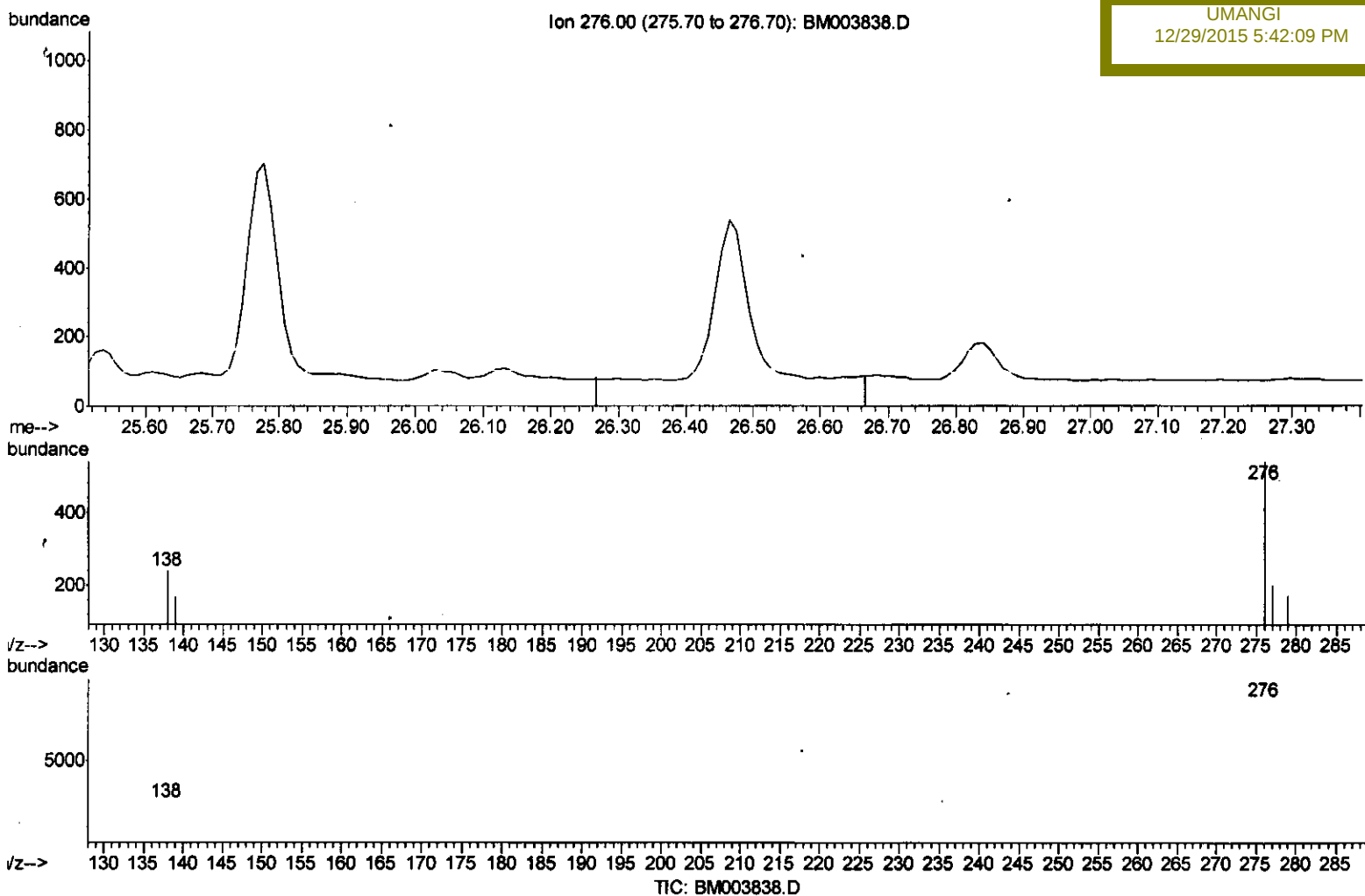
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:46:08 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 : Tue Dec 29 07:09:39 2015
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Instrument :
BNA_M
ClientSampleId :
D9N66

Manual Integrations
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(28) Benzo(g,h,i)perylene

26.467min (-26.467) 0.00ng/u!

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	23.60	0.00#
138.00	28.10	0.00#
0.00	0.00	0.00

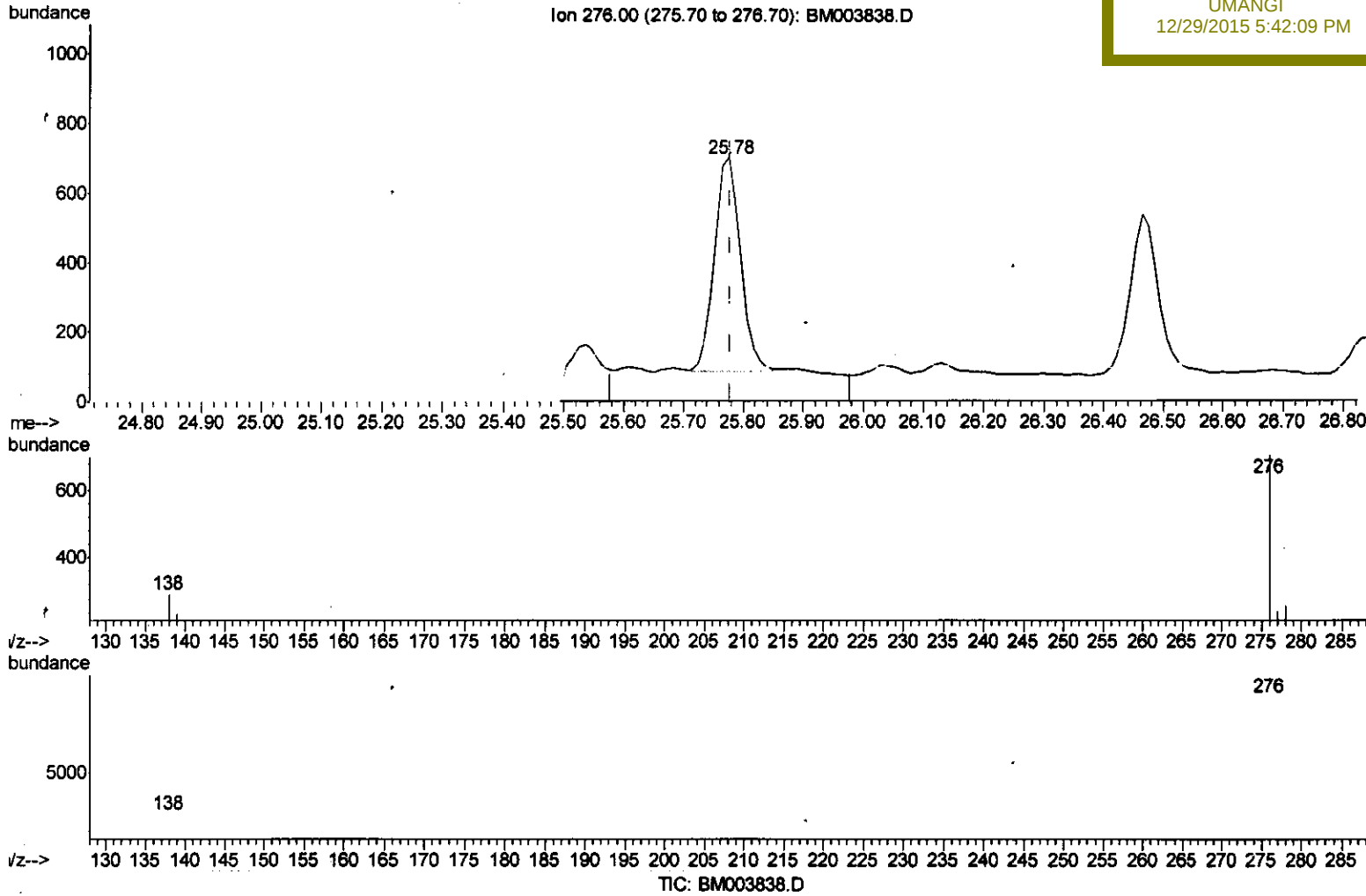
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:46:08 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

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

25.776min (-0.003) 0.05ng/ul m

response 1874

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	41.20#
277.00	24.80	0.00#
0.00	0.00	0.00

U. m
 12/31/15

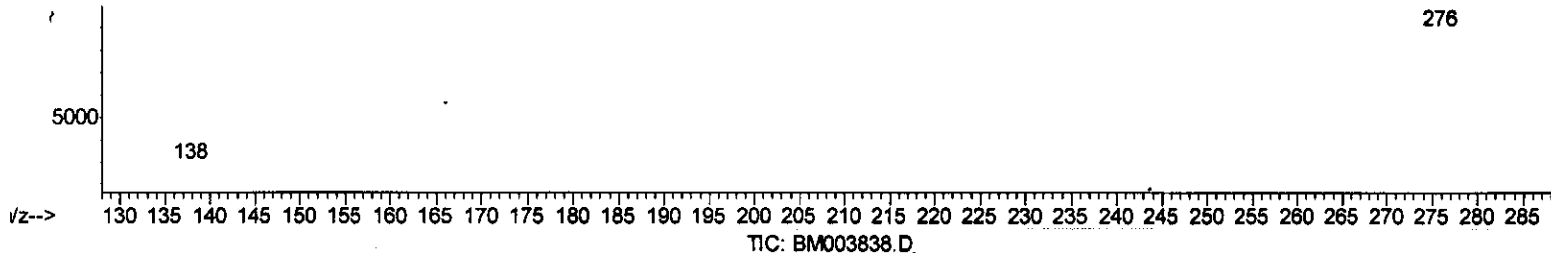
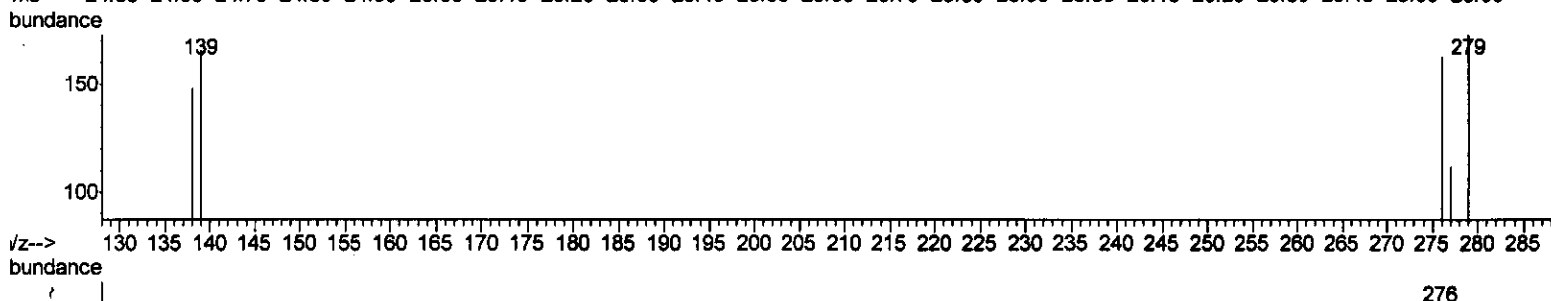
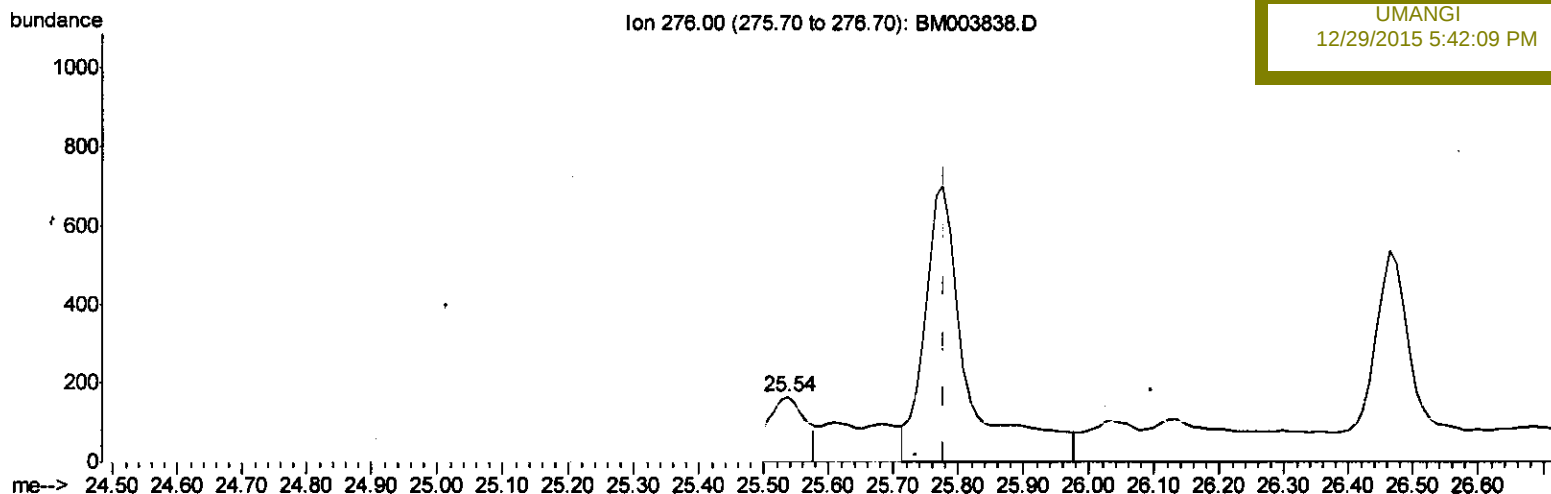
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:46:08 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 : Tue Dec 29 07:09:39 2015
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Instrument :
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ClientSampleId :
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Manual Integrations
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(26) Indeno(1,2,3-cd)pyrene

25.536min (-0.243) 0.03ng/ul

response 1370

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	56.35#
277.00	24.80	0.00#
0.00	0.00	0.00

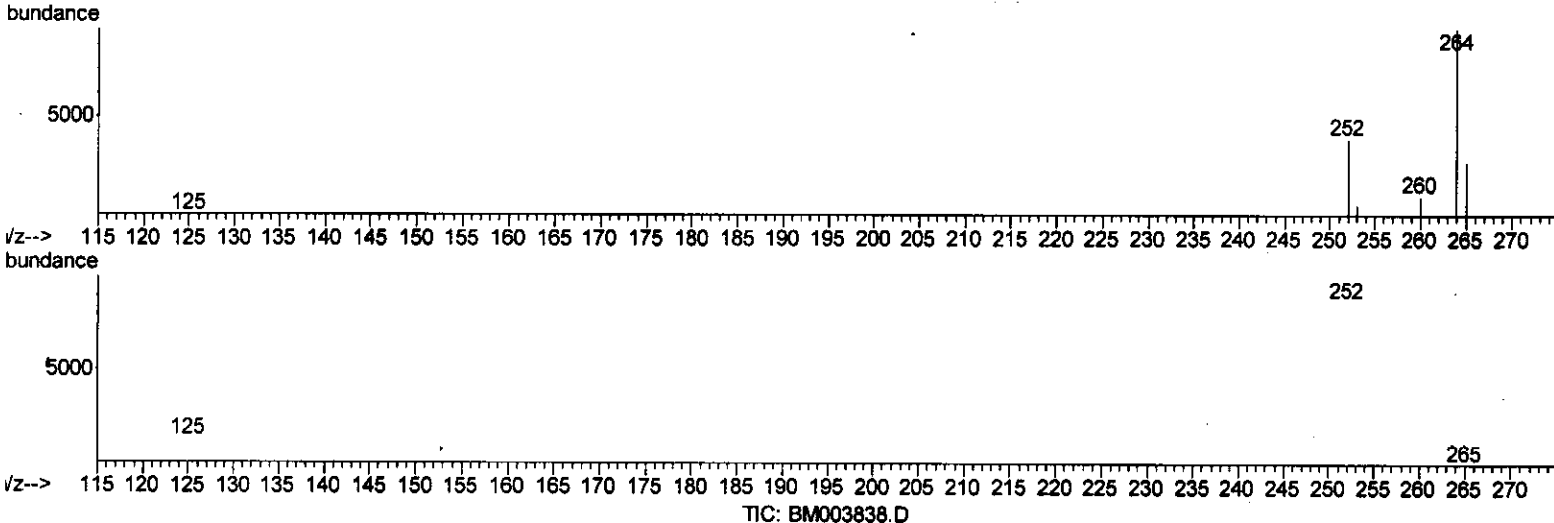
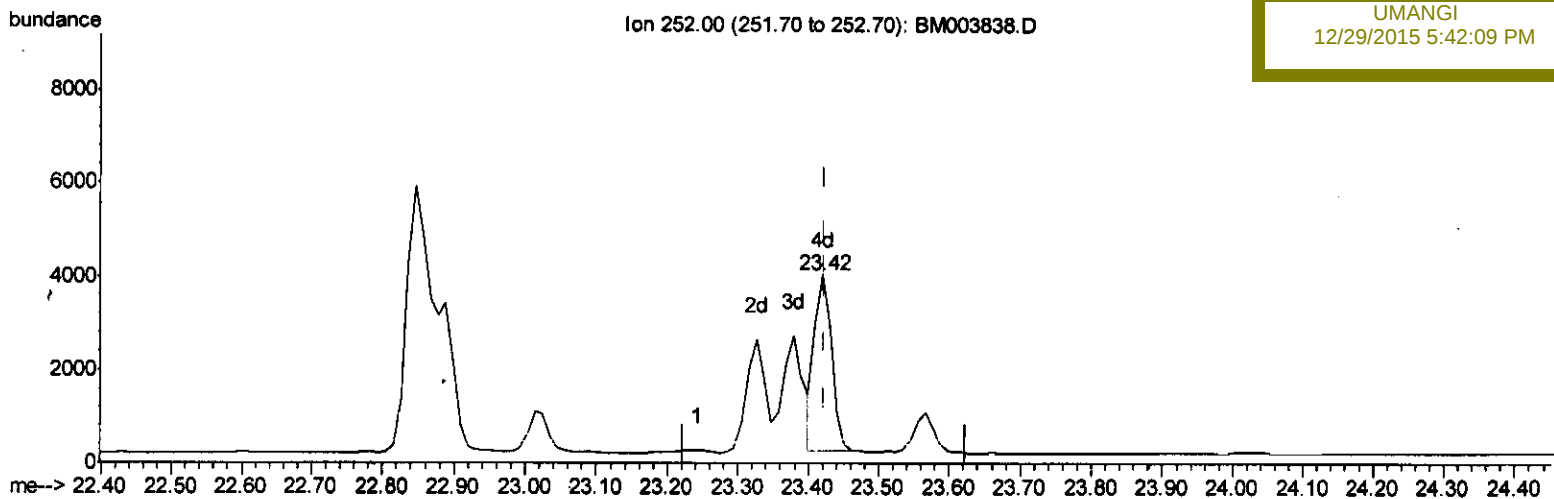
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:46:08 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 : Tue Dec 29 07:09:39 2015
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Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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(25) Benzo(a)pyrene (C)

23.420min (-0.003) 0.18ng/ul m

response 6269

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	31.15#
125.00	15.90	20.87#
0.00	0.00	0.00

U.M
 12/31/15

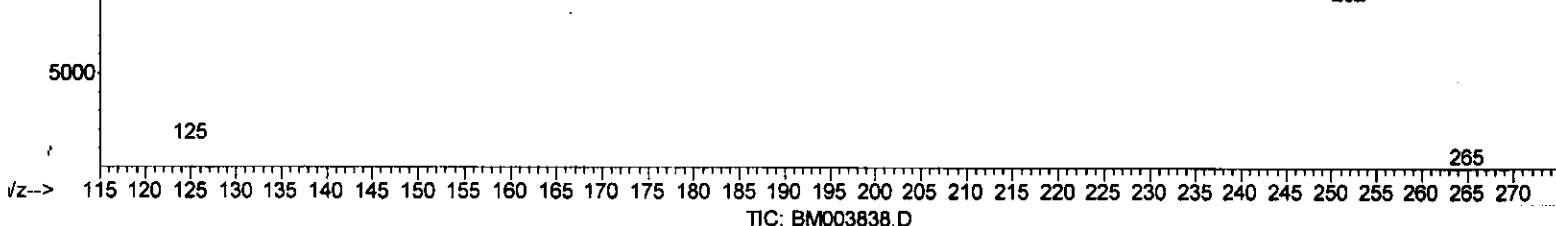
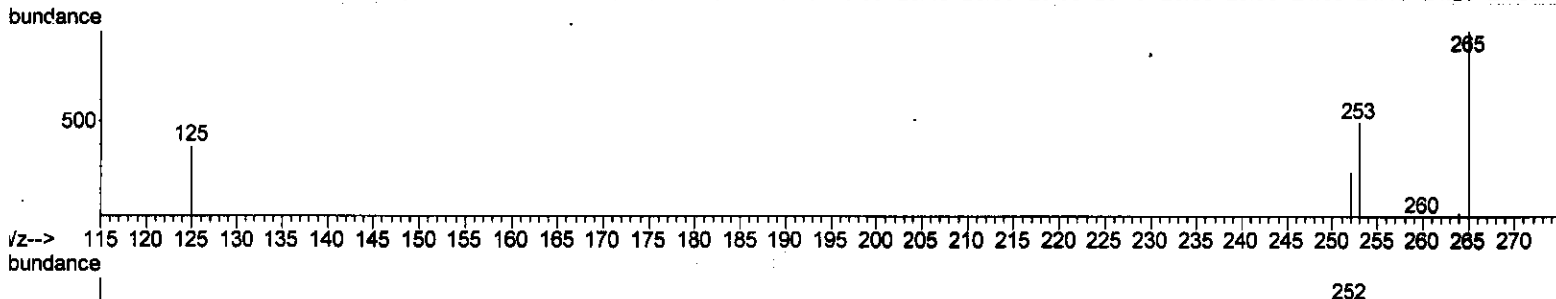
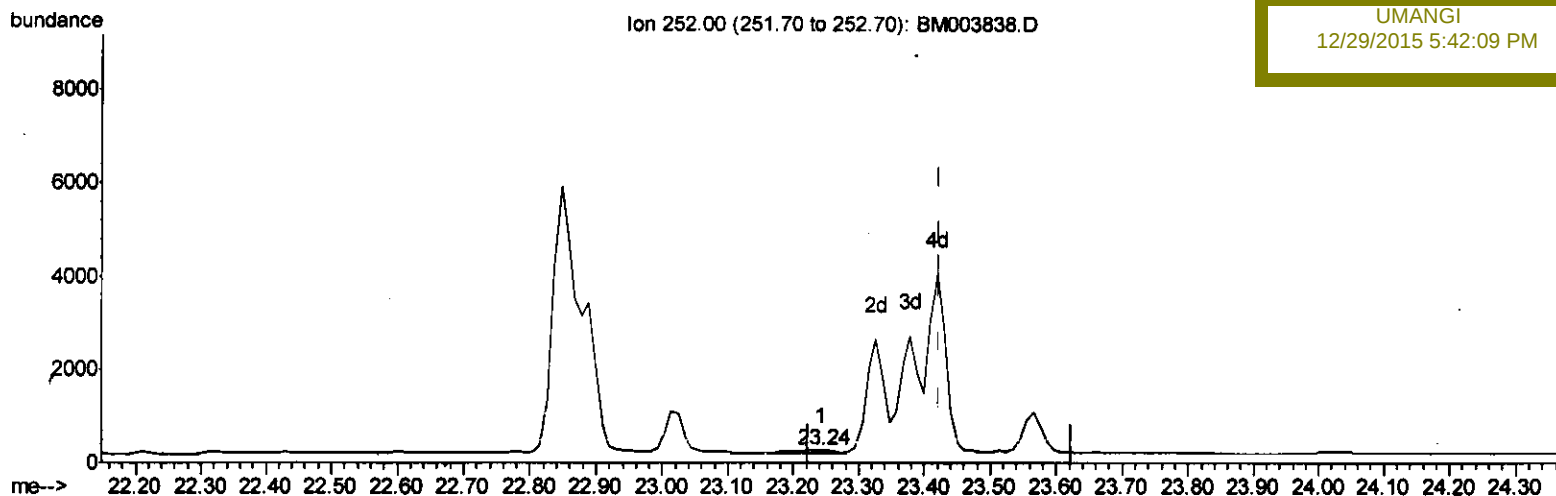
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:46:08 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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(25) Benzo(a)pyrene (C)

23.243min (-0.181) 0.00ng/ul

response 172

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	179.06#
125.00	15.90	141.16#
0.00	0.00	0.00

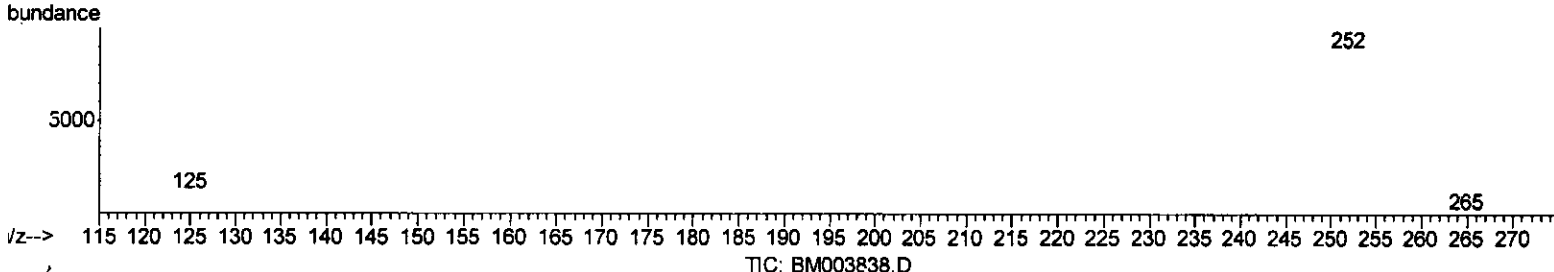
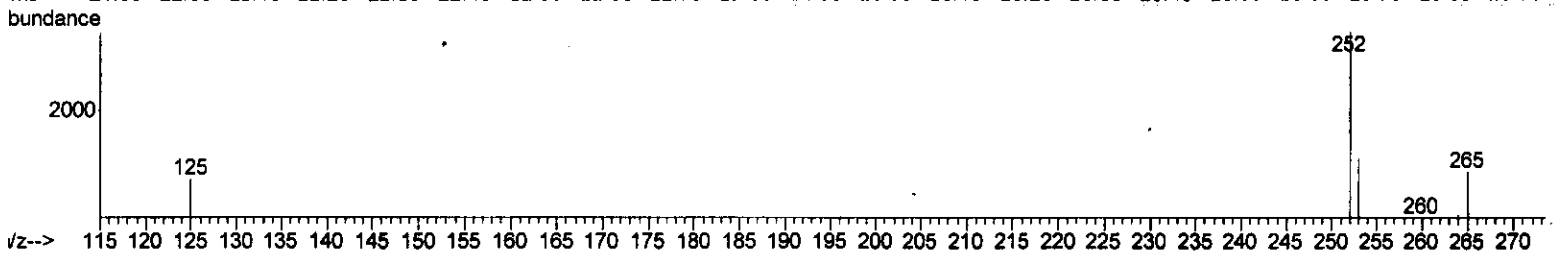
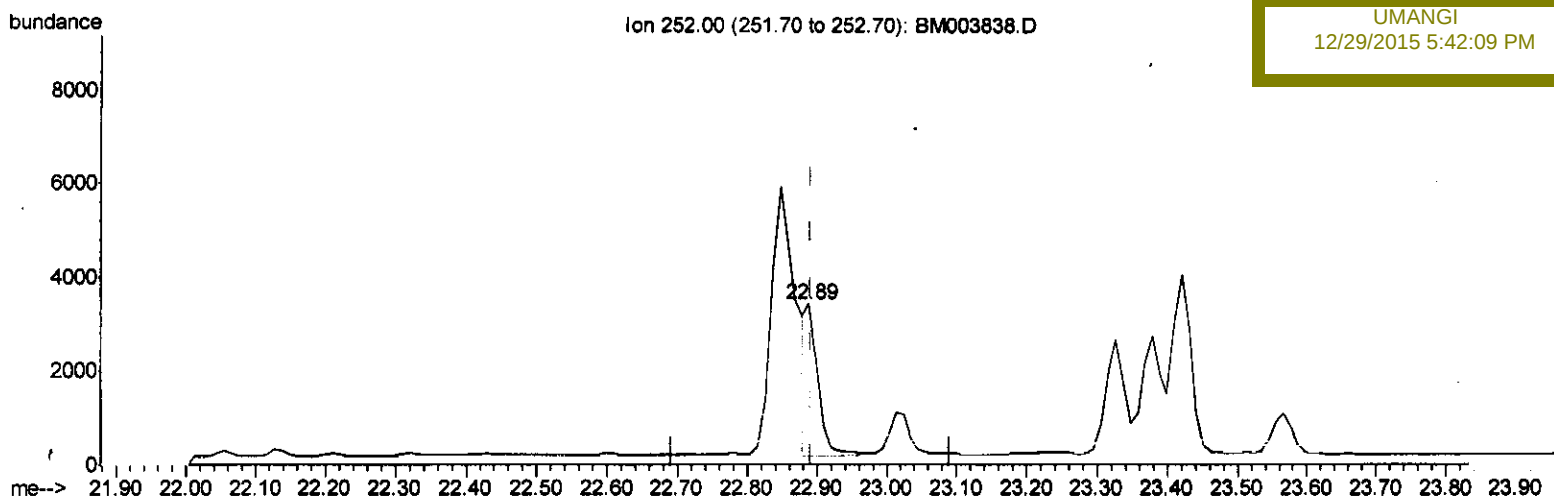
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:44:52 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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(24) Benzo(k)fluoranthene

22.889min (-0.003) 0.11ng/ul m

response 3950

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	33.03#
125.00	13.00	22.44#
0.00	0.00	0.00

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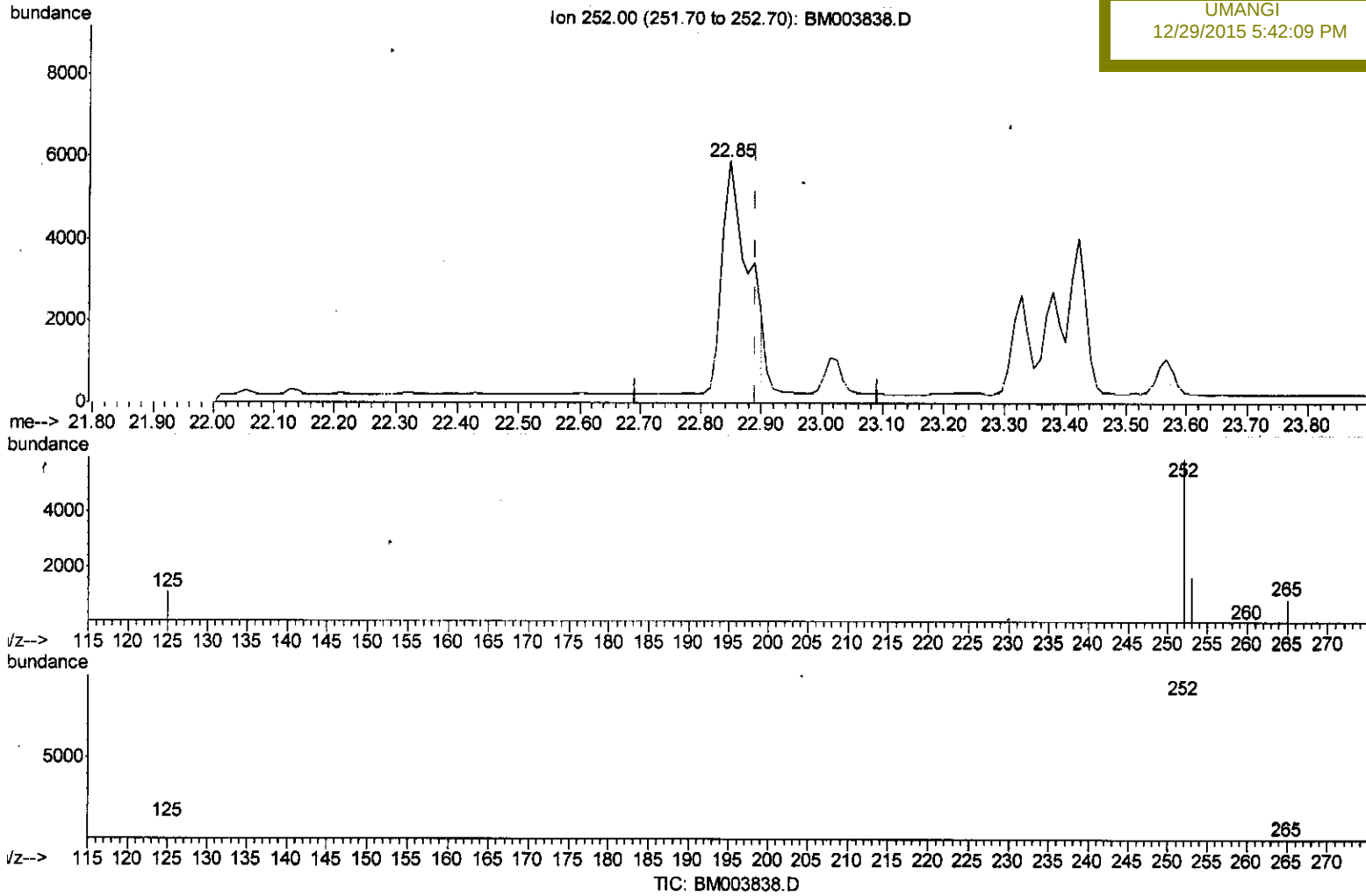
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:44:52 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 : Tue Dec 29 07:09:39 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N66

Manual Integrations
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(24) Benzo(k)fluoranthene

22.847min (-0.045) 0.45ng/ul

response 16870

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	28.28
125.00	13.00	18.64#
0.00	0.00	0.00

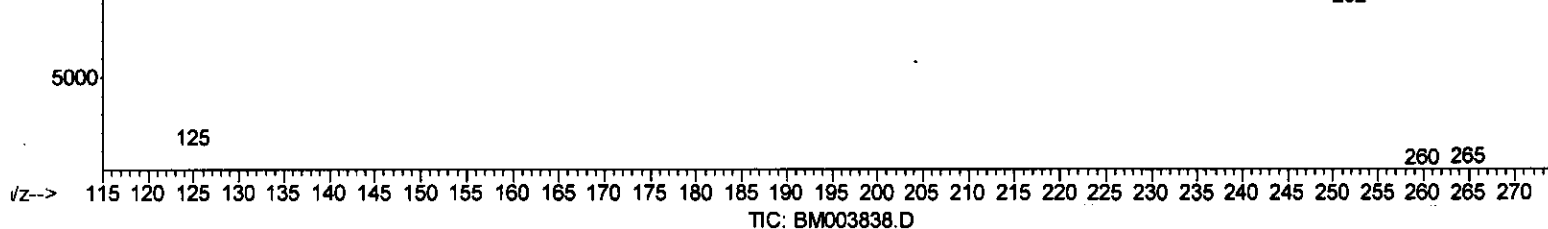
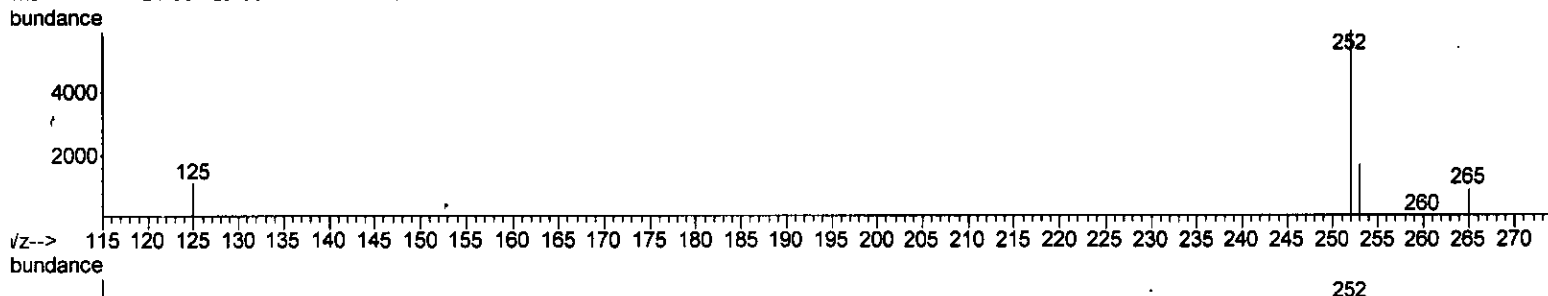
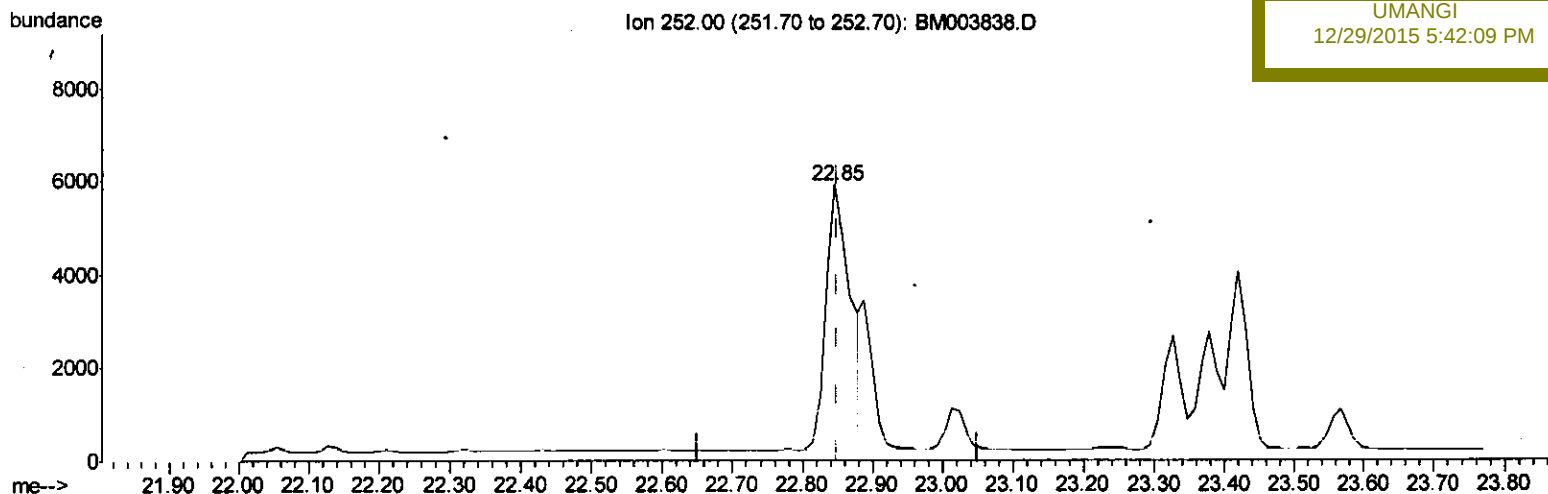
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:44:52 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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(23) Benzo(b)fluoranthene

22.847min (-0.003) 0.33ng/ul m

response 13704

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	28.28
125.00	14.40	18.64
0.00	0.00	0.00

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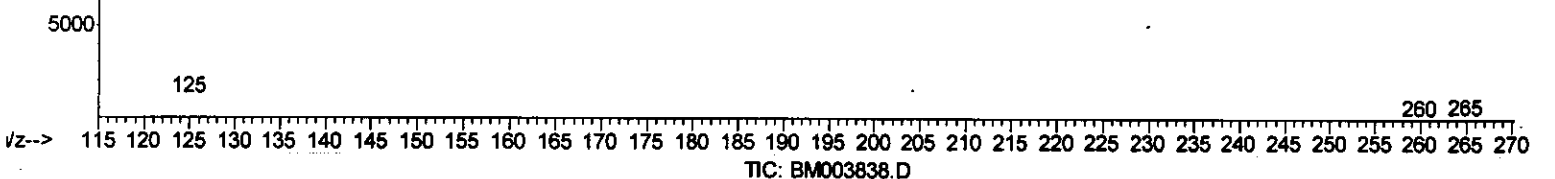
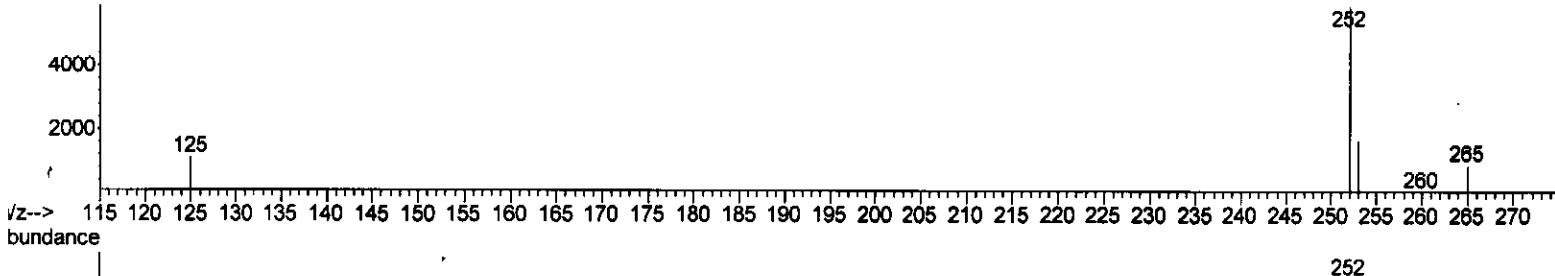
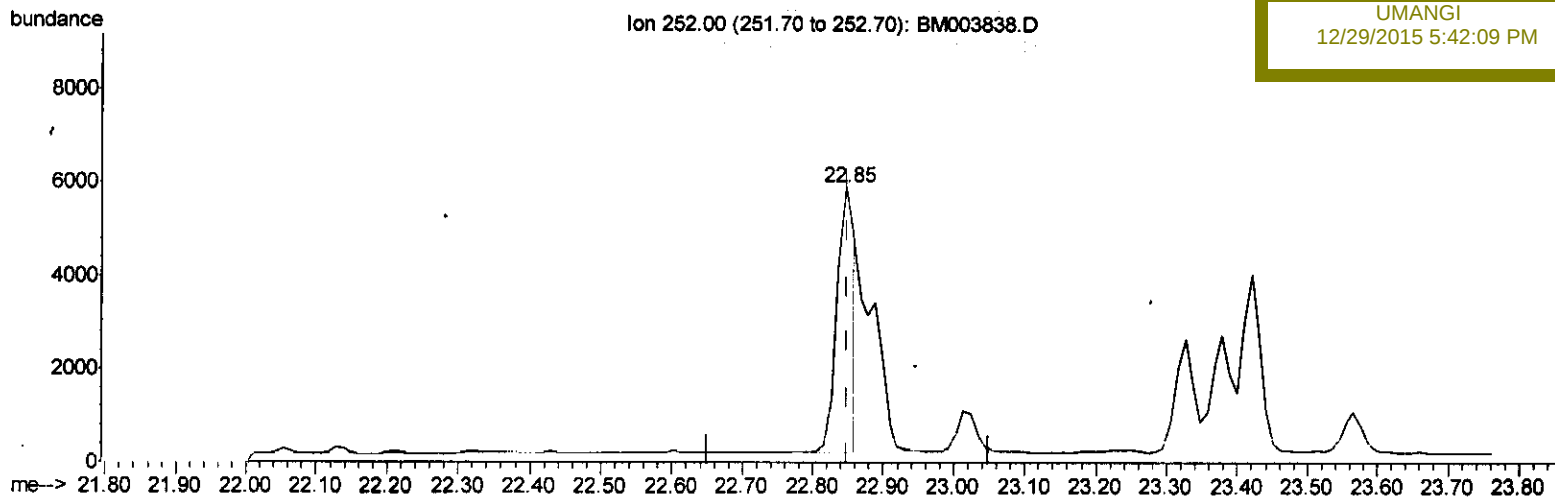
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:44:52 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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(23) Benzo(b)fluoranthene

22.847min (-0.003) 0.24ng/ul

response 9761

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	28.28
125.00	14.40	18.64
0.00	0.00	0.00

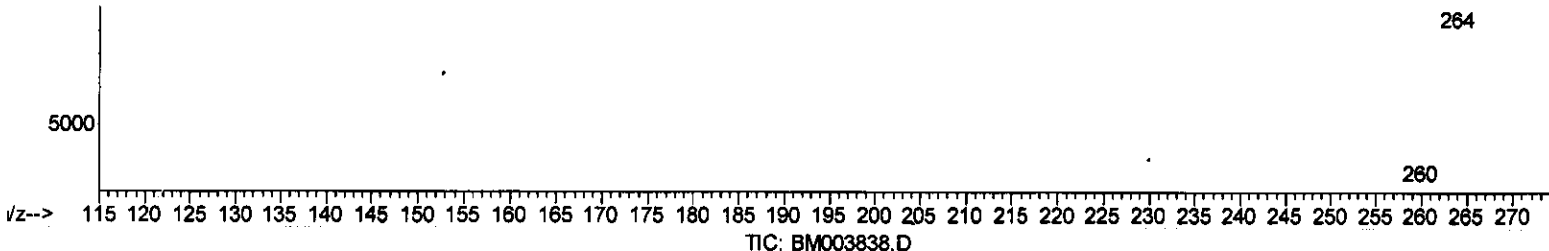
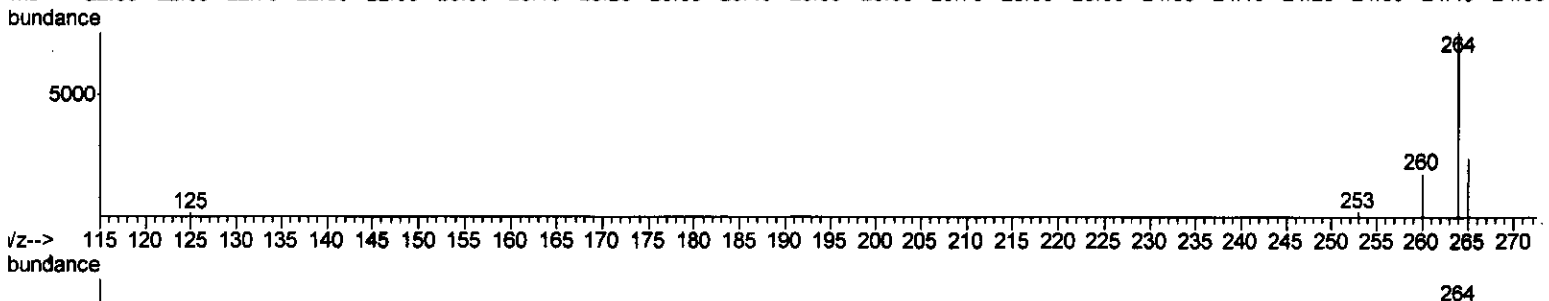
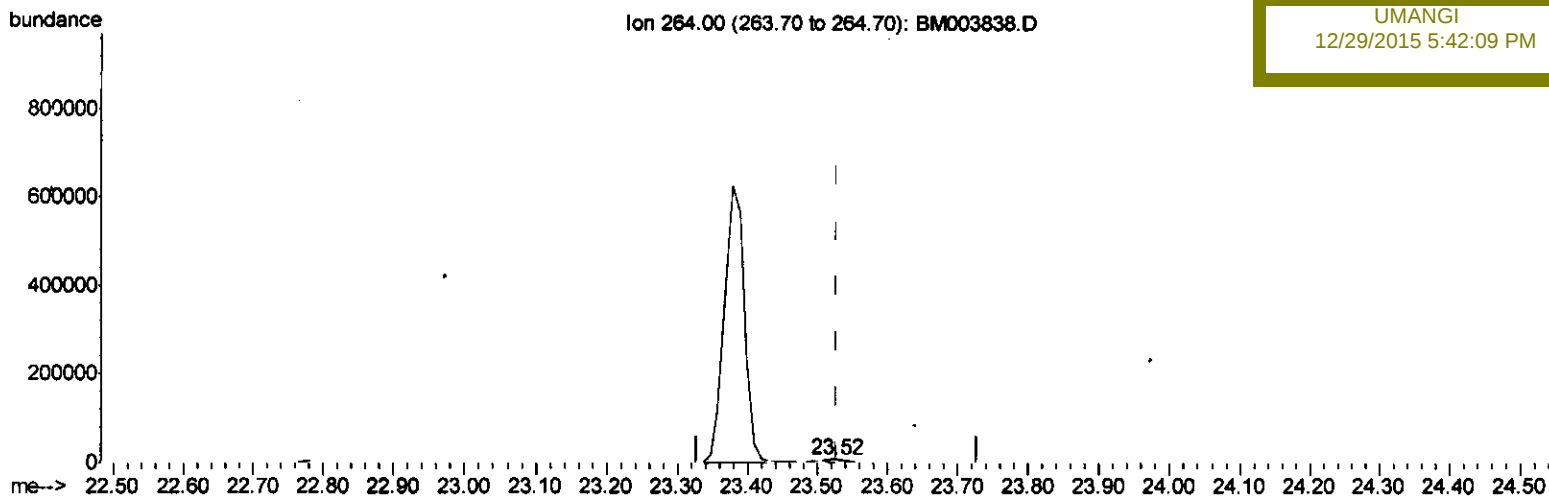
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:42:39 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 : Tue Dec 29 07:09:39 2015
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 D9N66

Manual Integrations
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(22) Perylene-d12 (I)

23.524min (-0.003) 0.40ng/ul m

response 12086

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	25.30
265.00	38.20	33.94
0.00	0.00	0.00

U. M
 12/31/15

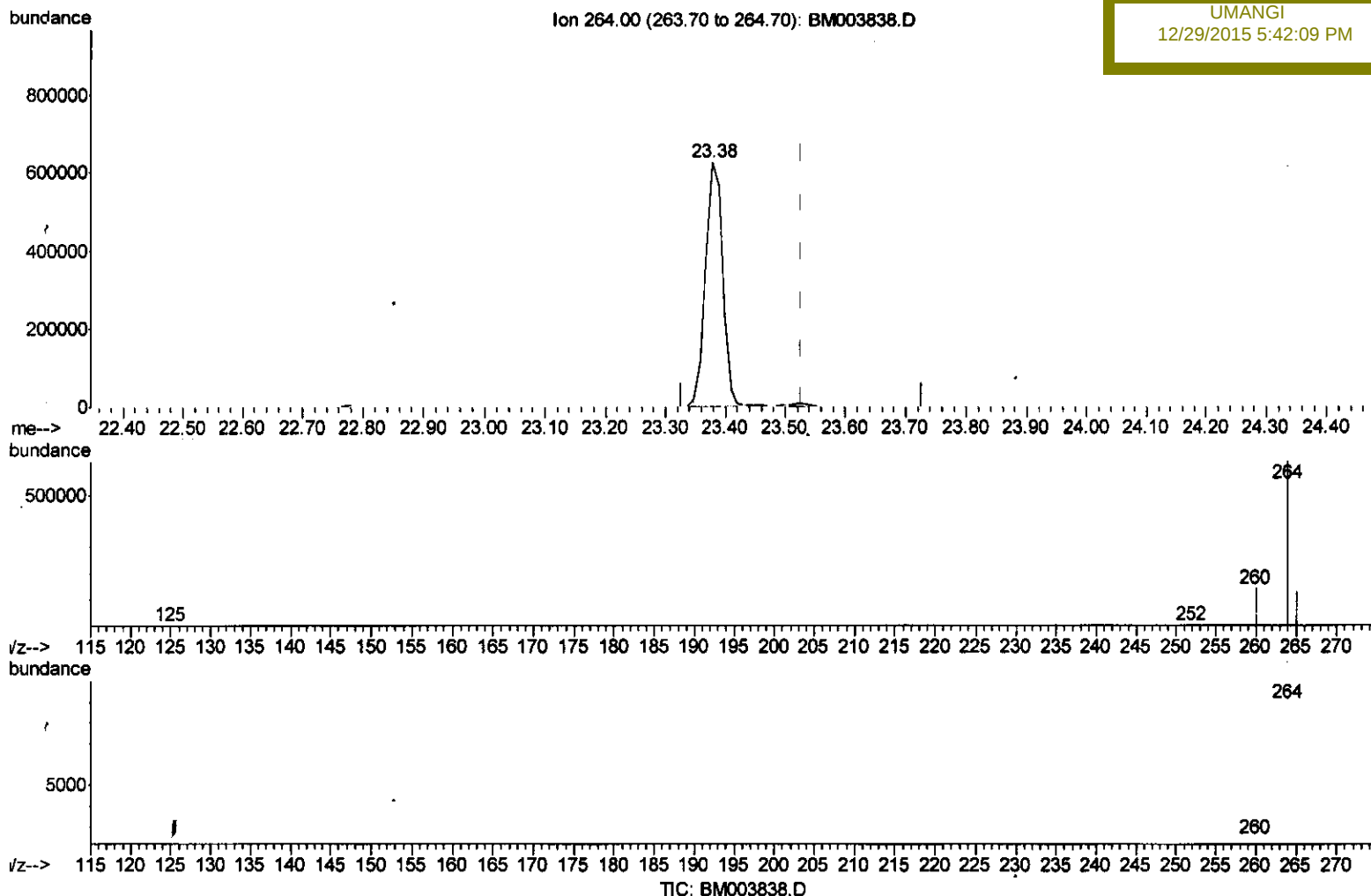
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Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:42:39 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 : Tue Dec 29 07:09:39 2015
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Instrument :
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Manual Integrations
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(22) Perylene-d12 (I)

23.378min (-0.149) 0.40ng/ul

response 1221495

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	22.43
265.00	38.20	21.00#
0.00	0.00	0.00

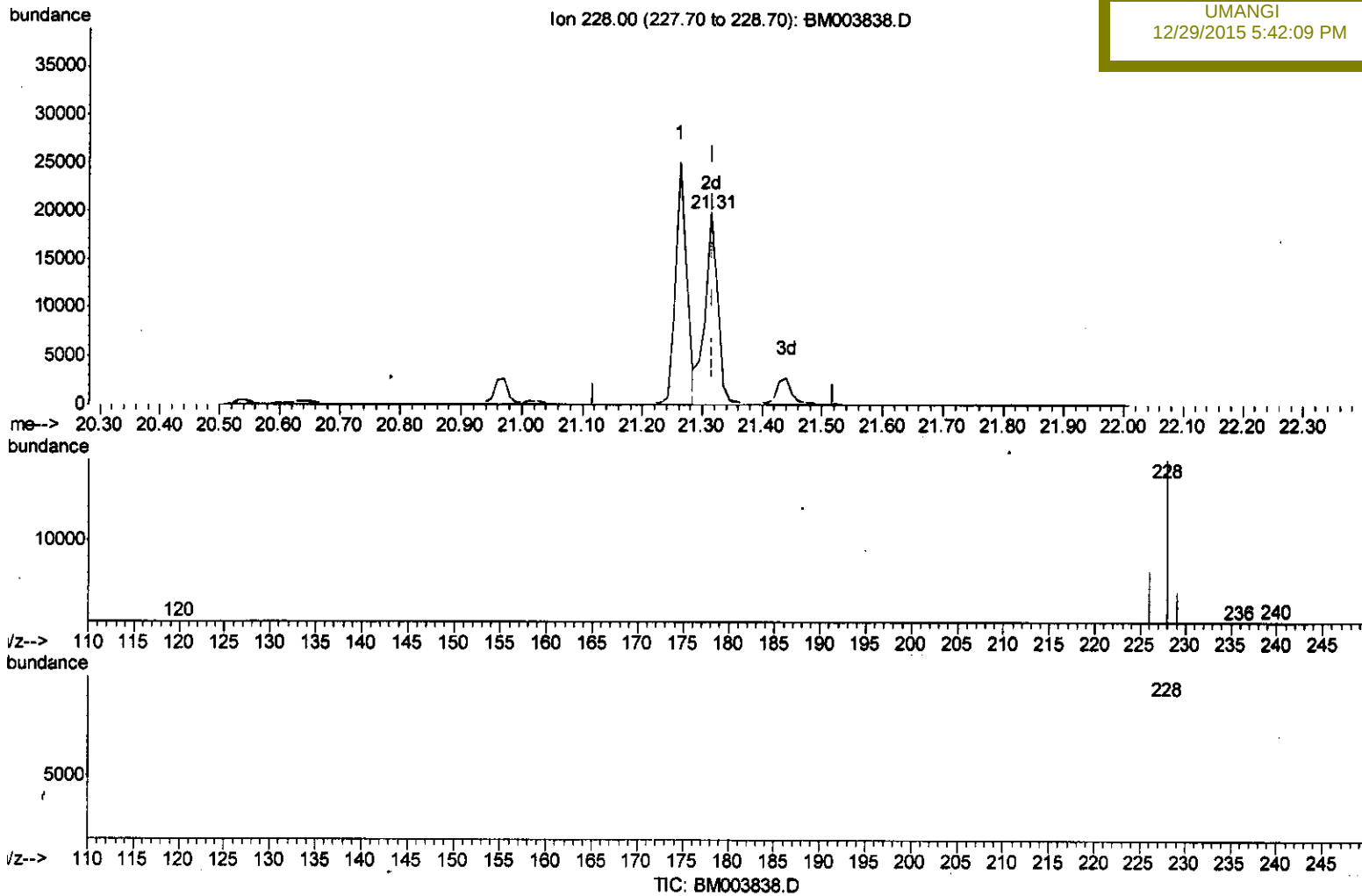
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:42:39 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
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Manual Integrations
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(21) Chrysene

21.315min (-0.003) 0.59ng/ul m

response 30295

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	32.00#
229.00	21.30	19.25
0.00	0.00	0.00

U.M
 12/31/15

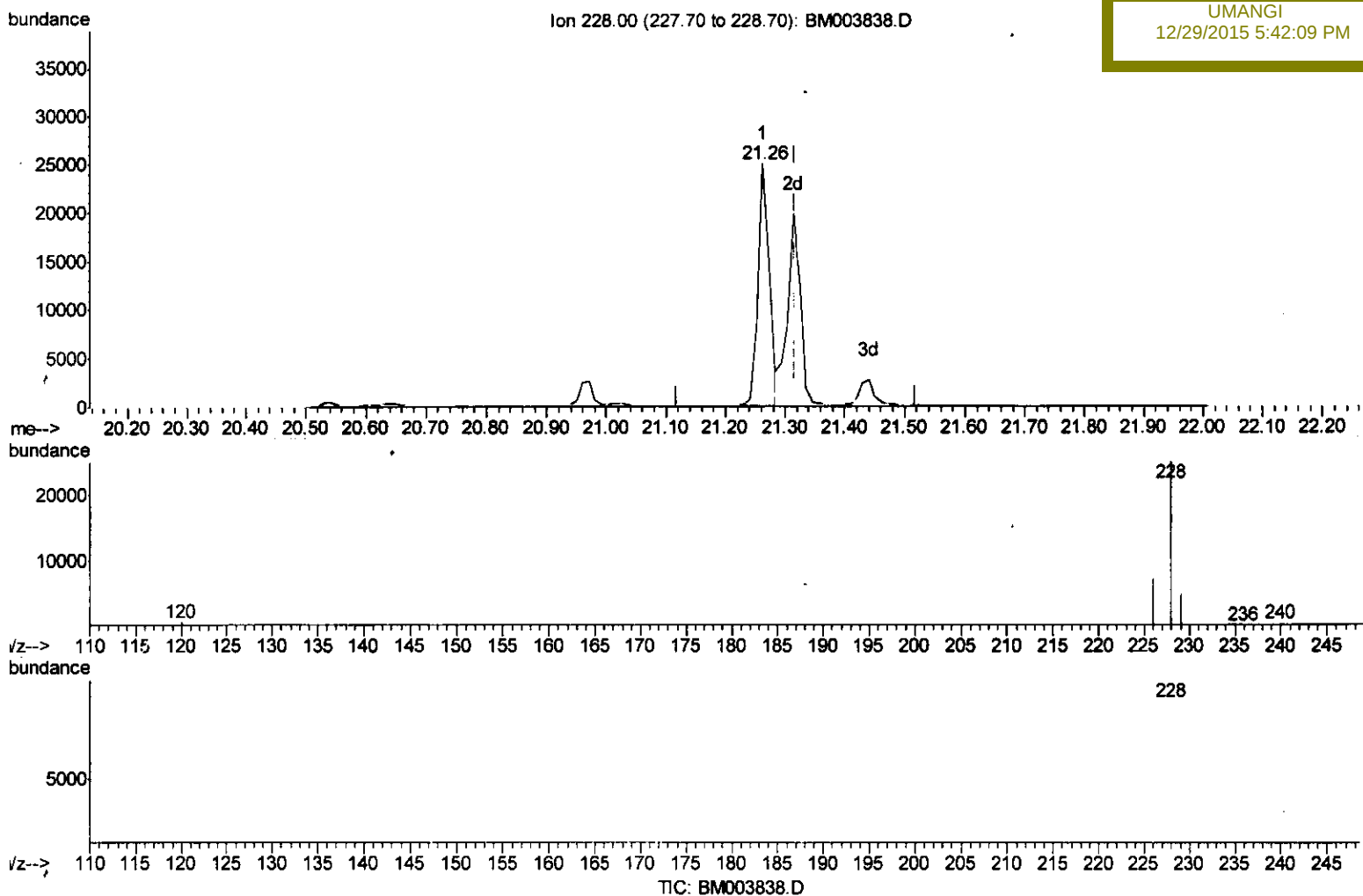
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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Manual Integrations
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(21) Chrysene

21.263min (-0.055) 0.64ng/ul

response 32721

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	28.70
229.00	21.30	19.30
0.00	0.00	0.00

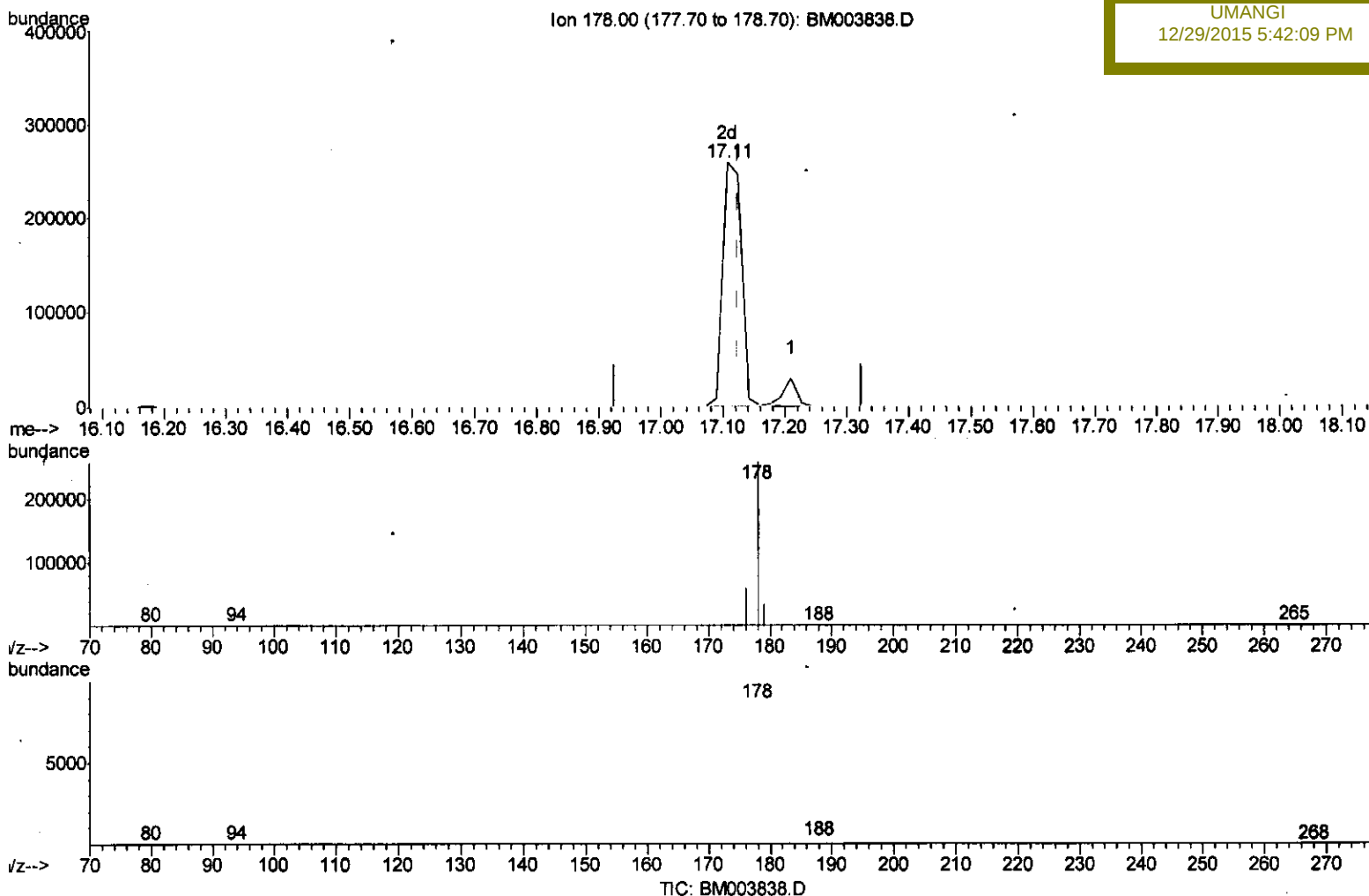
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:42:39 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
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Manual Integrations
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(14) Phenanthrene

17.108min (-0.017) 9.64ng/ul m

response 539252

Ion Exp% Act%

178.00 100 100

176.00 16.20 22.33#

179.00 17.70 13.30#

0.00 0.00 0.00

U. M
 12/31/15

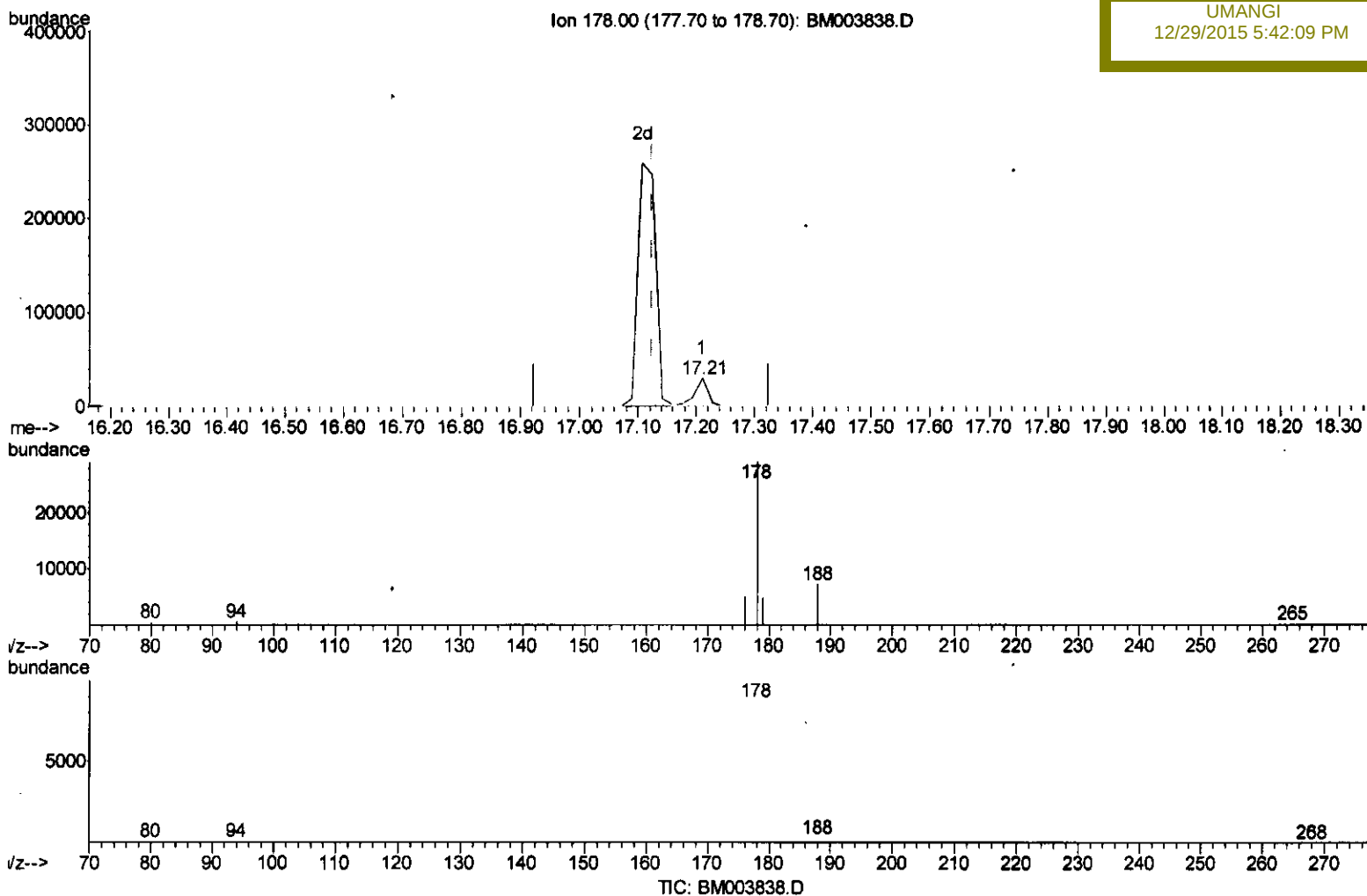
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:42:39 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
 APPROVED

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(14) Phenanthrene

17.211min (+0.086) 0.82ng/ul

response 45779

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	17.40
179.00	17.70	16.54
0.00	0.00	0.00

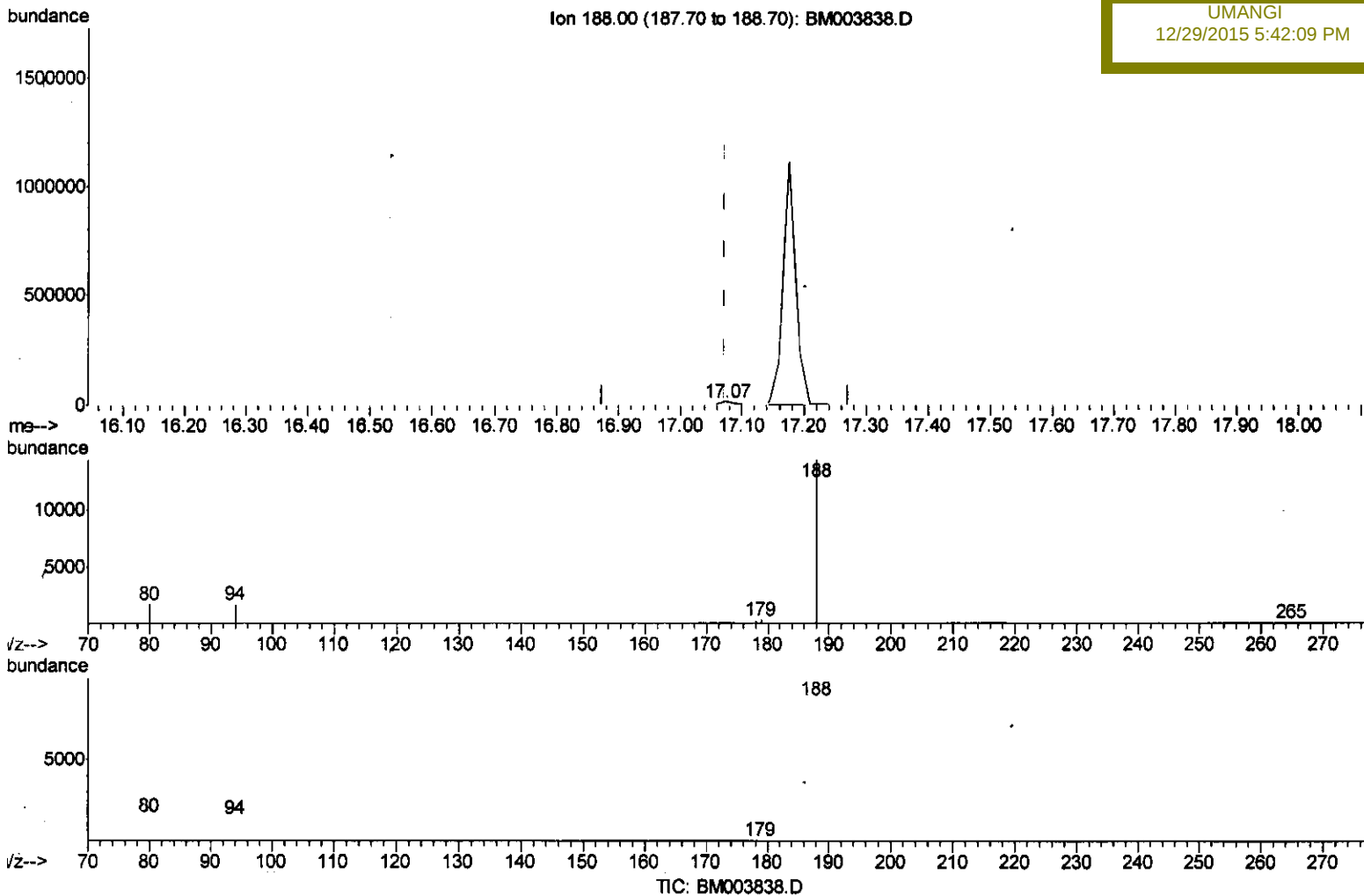
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:14:08 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N66

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.073min (-0.000) 0.40ng/ul m

response 21683

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	11.27
80.00	11.90	11.65
0.00	0.00	0.00

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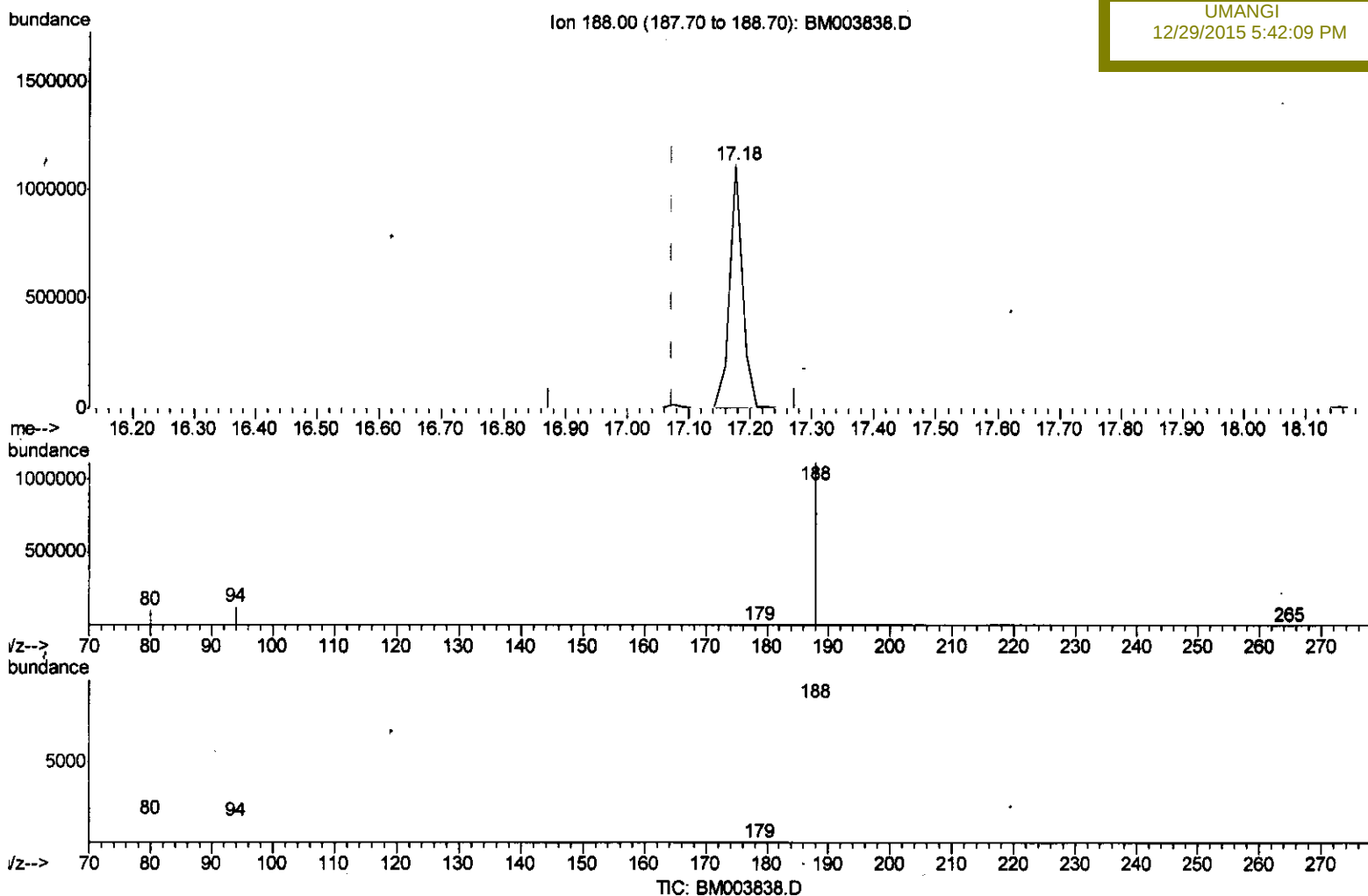
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:14:08 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 : Tue Dec 29 07:09:39 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N66

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.176min (+0.103) 0.40ng/ul

response 1597912

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	11.03
80.00	11.90	8.94#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
Data File : BM003838.D
Acq On : 28 Dec 2015 20:58
Operator : SJ/UM
Sample : G4849-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 07:49:00 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 : Tue Dec 29 07:09:39 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N66

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3757	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16415	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10131	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	21683m	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	18391	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	12086m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	22801	14.20	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	8915	0.45	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	21668	0.47	ng/ul	0.00
Target Compounds						
5) Naphthalene	10.51	128	190514	5.15	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	56455	2.27	ng/ul	99
9) Acenaphthylene	14.04	152	8331	0.22	ng/ul#	96
10) Acenaphthene	14.38	153	116518	3.74	ng/ul#	80
11) Fluorene	15.39	166	127489	3.69	ng/ul	96
14) Phenanthrene	17.11	178	539252m	9.64	ng/ul	
15) Anthracene	17.21	178	45916	0.95	ng/ul	99
17) Fluoranthene	19.14	202	278842	4.59	ng/ul	99
19) Pyrene	19.51	202	190373	3.83	ng/ul	99
20) Benzo(a)anthracene	21.26	228	32721	0.73	ng/ul#	92
21) Chrysene	21.31	228	30295m	0.59	ng/ul	
23) Benzo(b)fluoranthene	22.85	252	13704m	0.33	ng/ul	
24) Benzo(k)fluoranthene	22.89	252	3950m	0.11	ng/ul	
25) Benzo(a)pyrene	23.42	252	6269m	0.18	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.78	276	1874m	0.05	ng/ul	
28) Benzo(g,h,i)perylene	26.46	276	1587m	0.05	ng/ul	

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