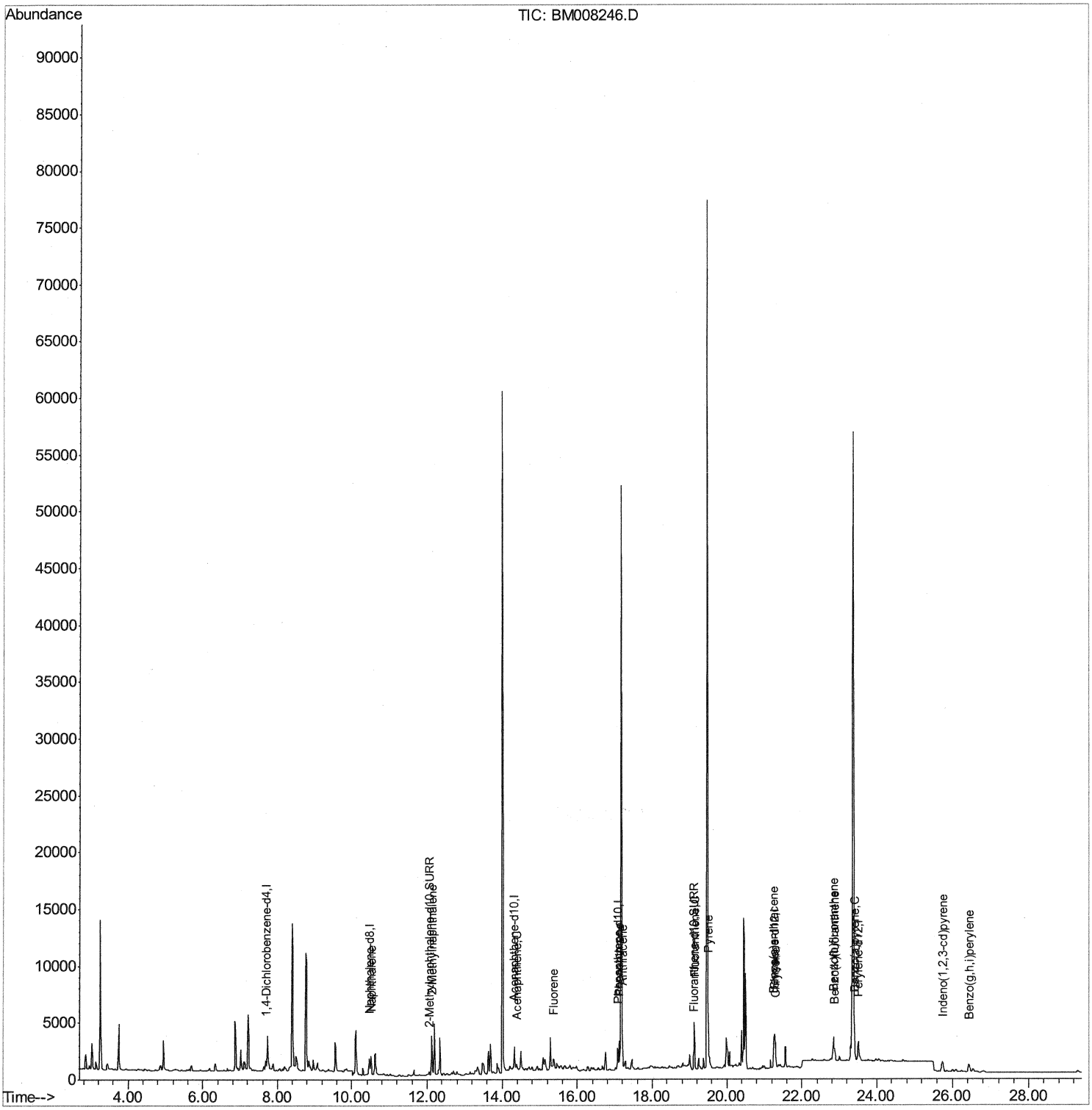
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008246.D
Acq On : 10 Dec 2016 23:29
Operator : UM/SJ
Sample : H5905-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 12 11:43:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA819

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:35 PM



Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008246.D
Acq On : 10 Dec 2016 23:29
Operator : UM/SJ
Sample : H5905-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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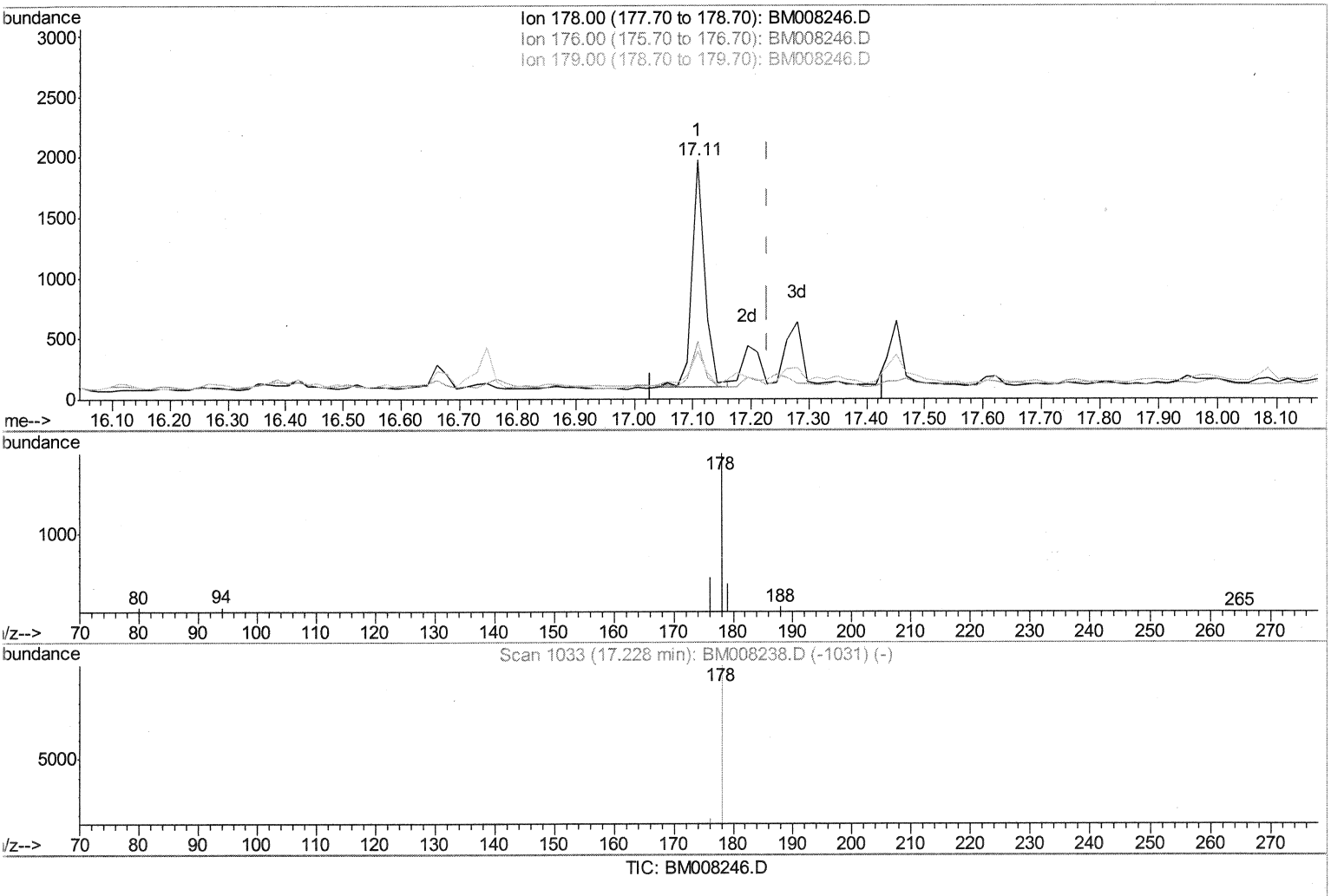

TIC: BM008246.D

(13) Anthracene

17.108min (-0.120) 0.39ng/ul

response 2841

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	23.94
179.00	18.40	20.09
0.00	0.00	0.00

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UMANGI
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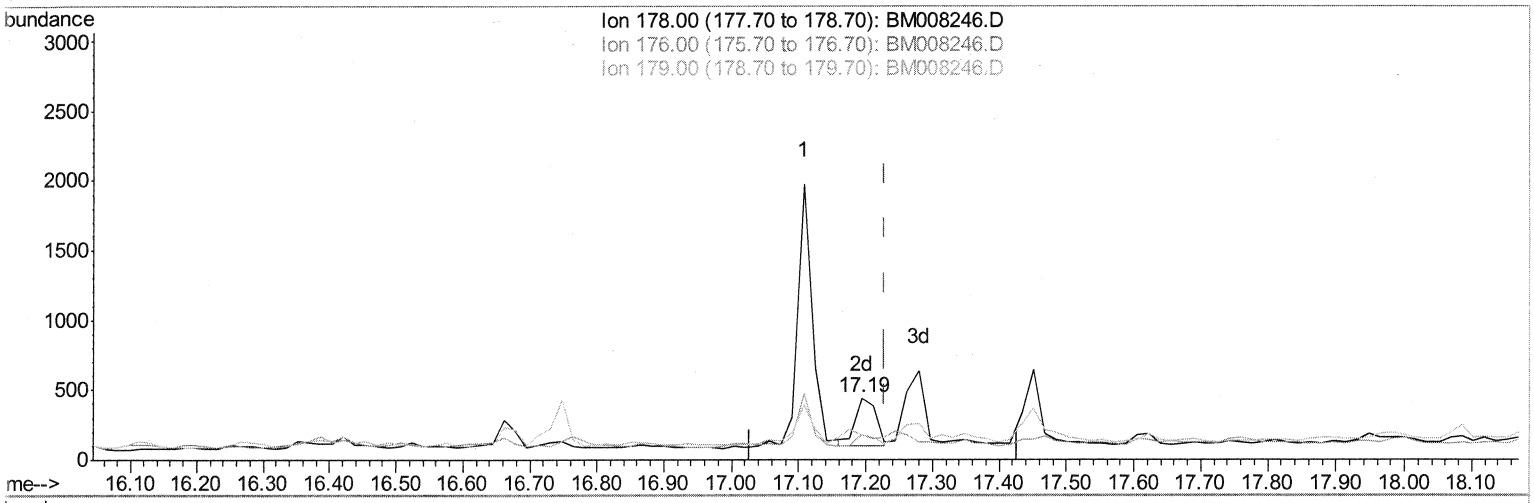

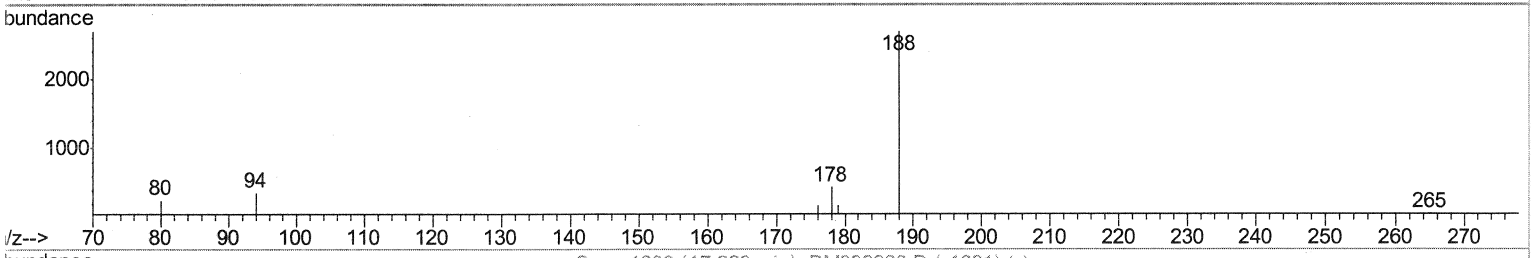

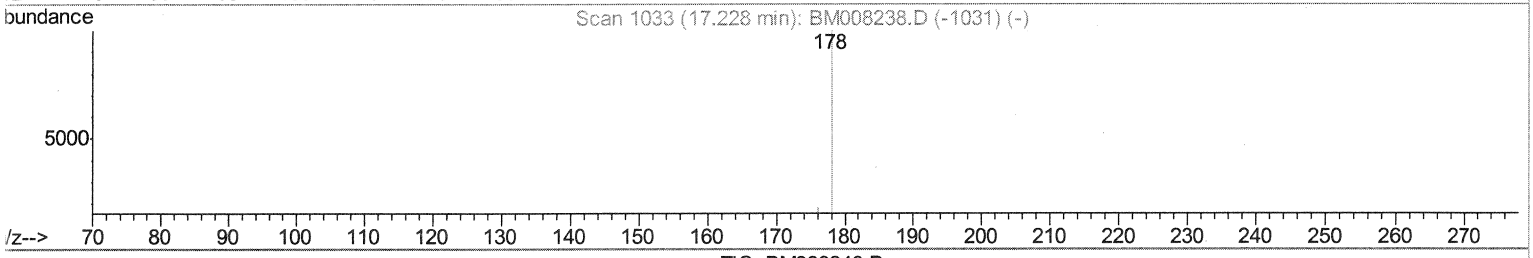

TIC: BM008246.D

(13) Anthracene

17.193min (-0.035) 0.10ng/ul m SJ 12/12/16

response 744

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	41.31#
179.00	18.40	41.31#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
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Operator : UM/SJ
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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BNA_M
ClientSampleId :
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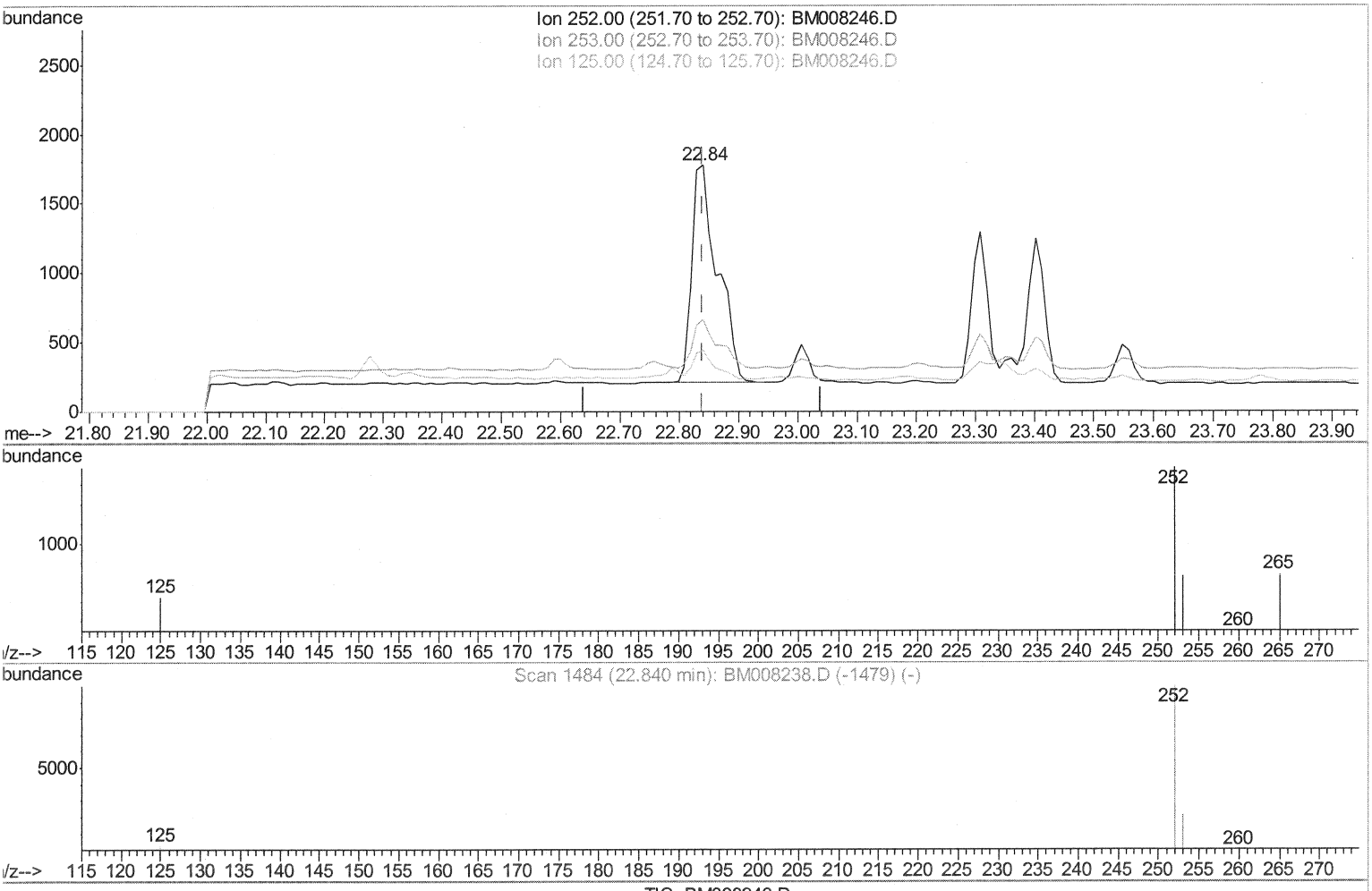
Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:35 PM



TIC: BM008246.D

(21) Benzo(b)fluoranthene

22.840min (-0.000) 0.55ng/ul

response 4720

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	37.40
125.00	17.50	25.03
0.00	0.00	0.00

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Manual Integrations APPROVED
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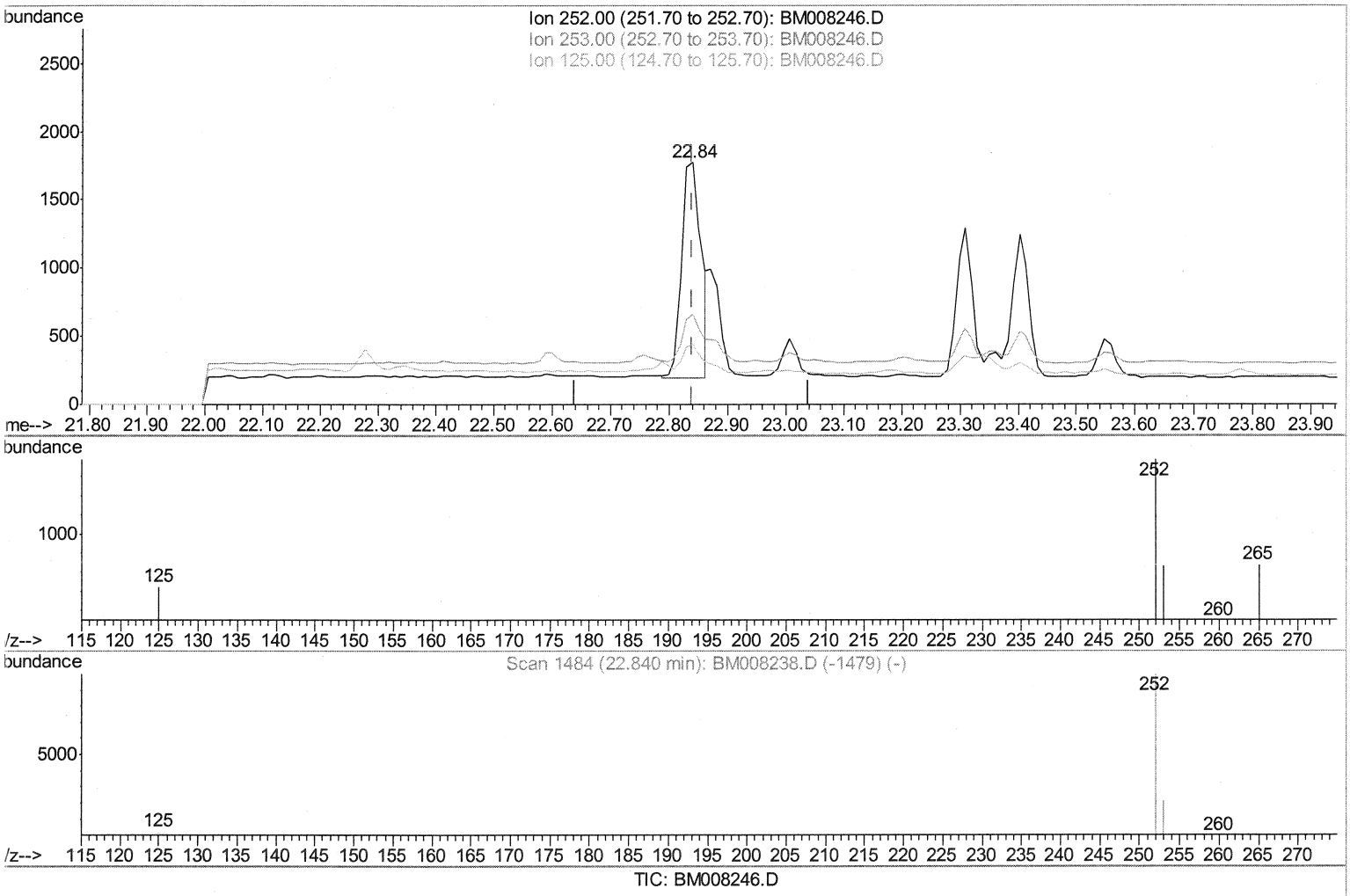

TIC: BM008246.D

(21) Benzo(b)fluoranthene

22.840min (-0.000) 0.42ng/ul m SJ 12/12/16

response 3659

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	37.40
125.00	17.50	25.03
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008246.D
Acq On : 10 Dec 2016 23:29
Operator : UM/SJ
Sample : H5905-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 12 11:38:17 2016
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BNA_M
ClientSampleId :
DA819

Manual Integrations APPROVED
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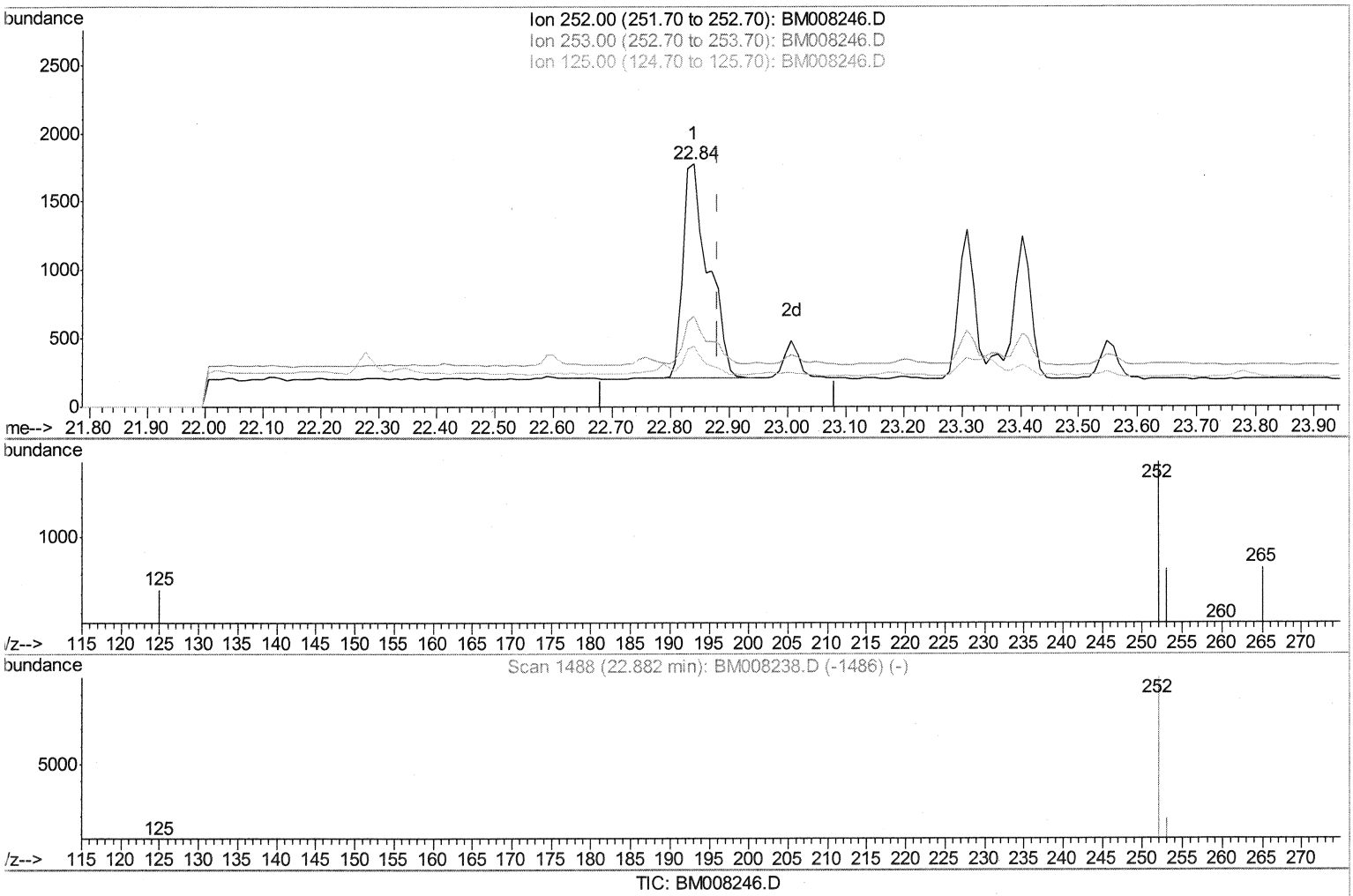

TIC: BM008246.D

(22) Benzo(k)fluoranthene

22.840min (-0.042) 0.53ng/ul

response 4720

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	37.40#
125.00	17.10	25.03#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
Data File : BM008246.D
Acq On : 10 Dec 2016 23:29
Operator : UM/SJ
Sample : H5905-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 12 11:38:17 2016
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Instrument :
BNA_M
ClientSampleId :
DA819

Manual Integrations APPROVED
UMANGI
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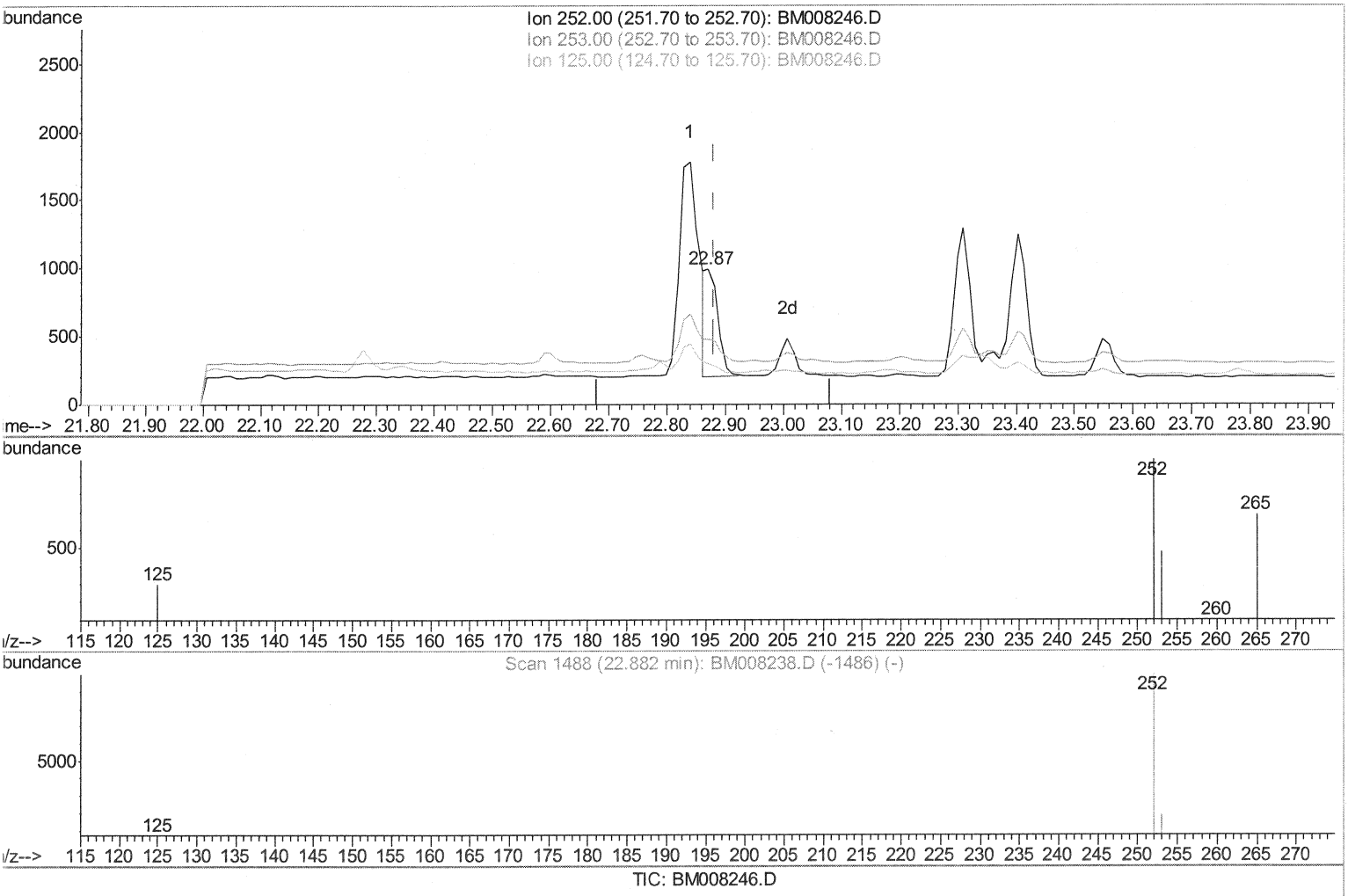

TIC: BM008246.D

(22) Benzo(k)fluoranthene

22.871min (-0.011) 0.13ng/ul m SJ 12/12/16

response 1134

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	47.93#
125.00	17.10	29.97#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121016\
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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	587	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2079	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1299	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2491	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2338	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2163	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	519	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1671	0.24	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.51	128	1967	0.34	ng/ul	96
5) 2-Methylnaphthalene	12.13	142	2734	0.73	ng/ul	100
8) Acenaphthene	14.38	153	339	0.08	ng/ul#	92
9) Fluorene	15.38	166	852	0.17	ng/ul#	74
12) Phenanthrene	17.11	178	2983	0.38	ng/ul	96
13) Anthracene	17.19	178	744m	0.10	ng/ul	SJ 12/12/16
15) Fluoranthene	19.14	202	4228	0.42	ng/ul	93
17) Pyrene	19.50	202	4250	0.52	ng/ul	96
18) Benzo(a)anthracene	21.26	228	2327	0.32	ng/ul#	85
19) Chrysene	21.31	228	2260	0.25	ng/ul#	85
21) Benzo(b)fluoranthene	22.84	252	3659m	0.42	ng/ul	SJ 12/12/16
22) Benzo(k)fluoranthene	22.87	252	1134m	0.13	ng/ul	
23) Benzo(a)pyrene	23.40	252	2193	0.27	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.75	276	1528	0.15	ng/ul#	93
26) Benzo(g,h,i)perylene	26.44	276	1549	0.17	ng/ul#	88

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