

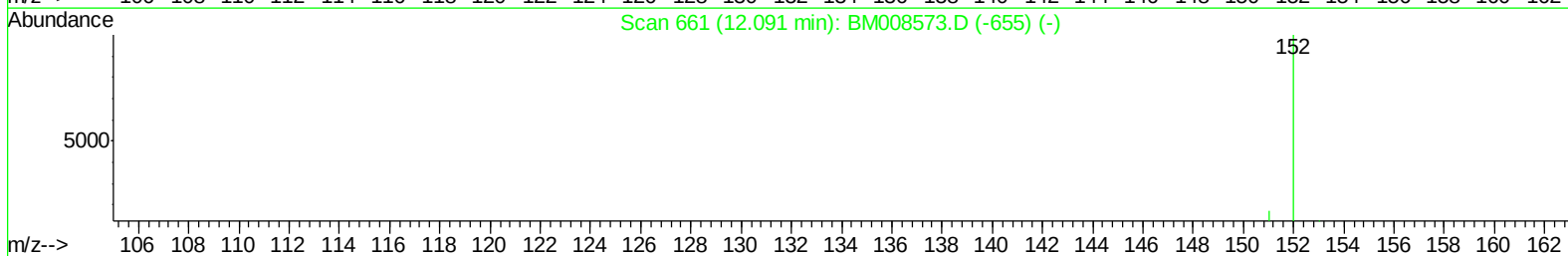
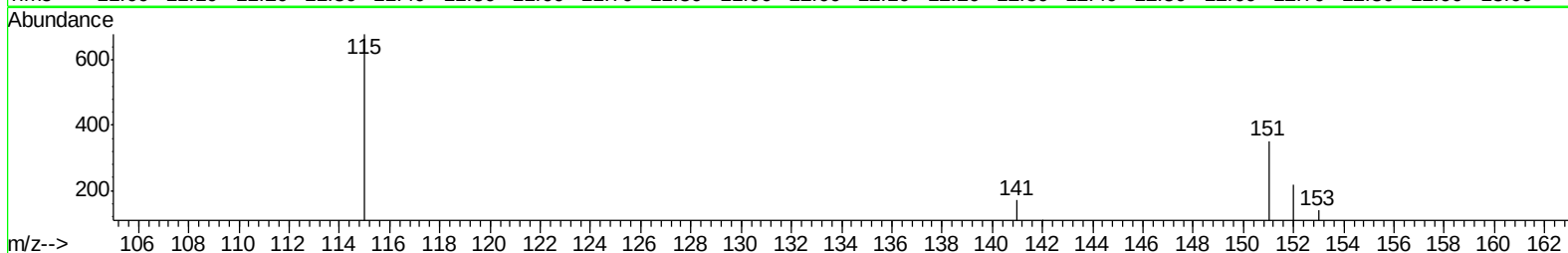
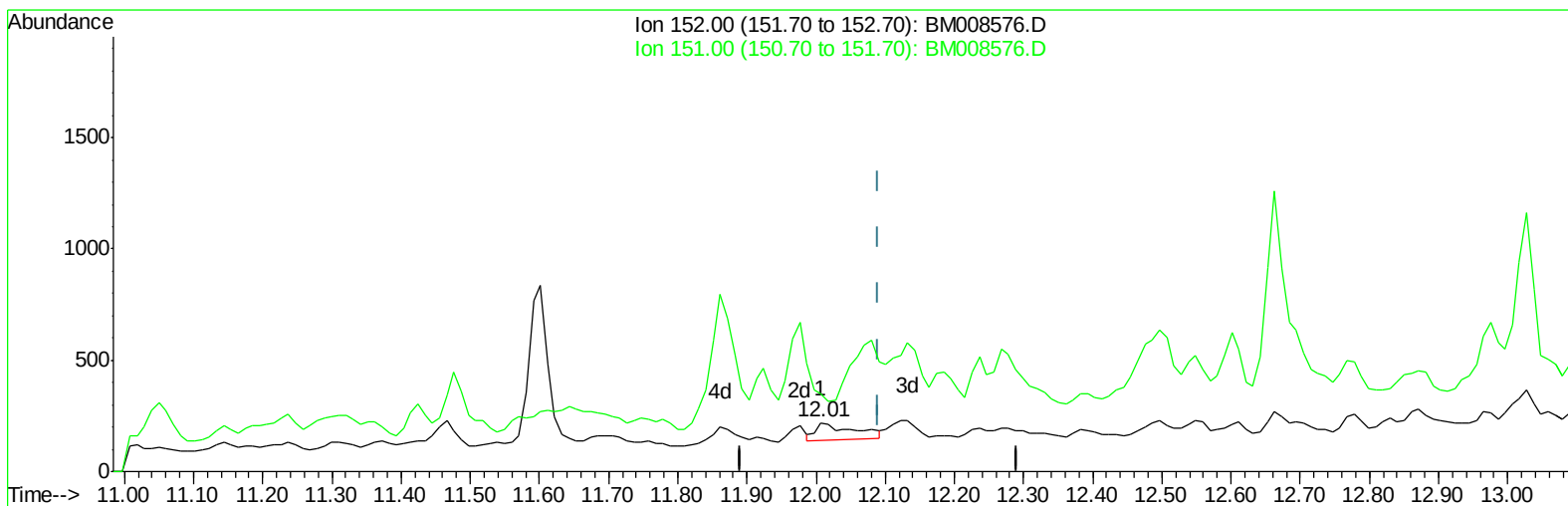
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:07:45 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.007min (-0.083) 0.14ng/ul

response 284

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

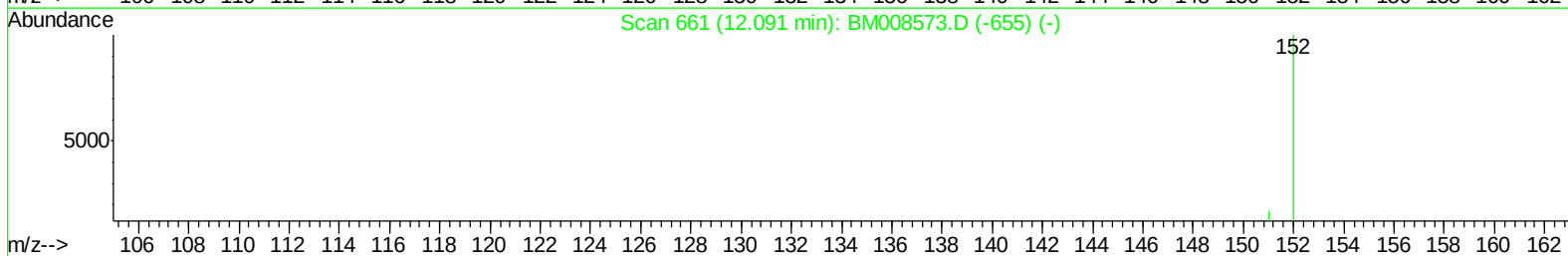
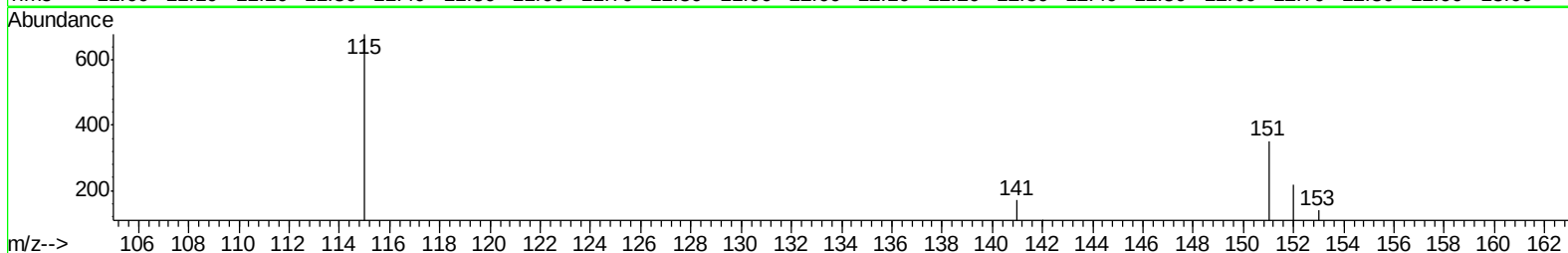
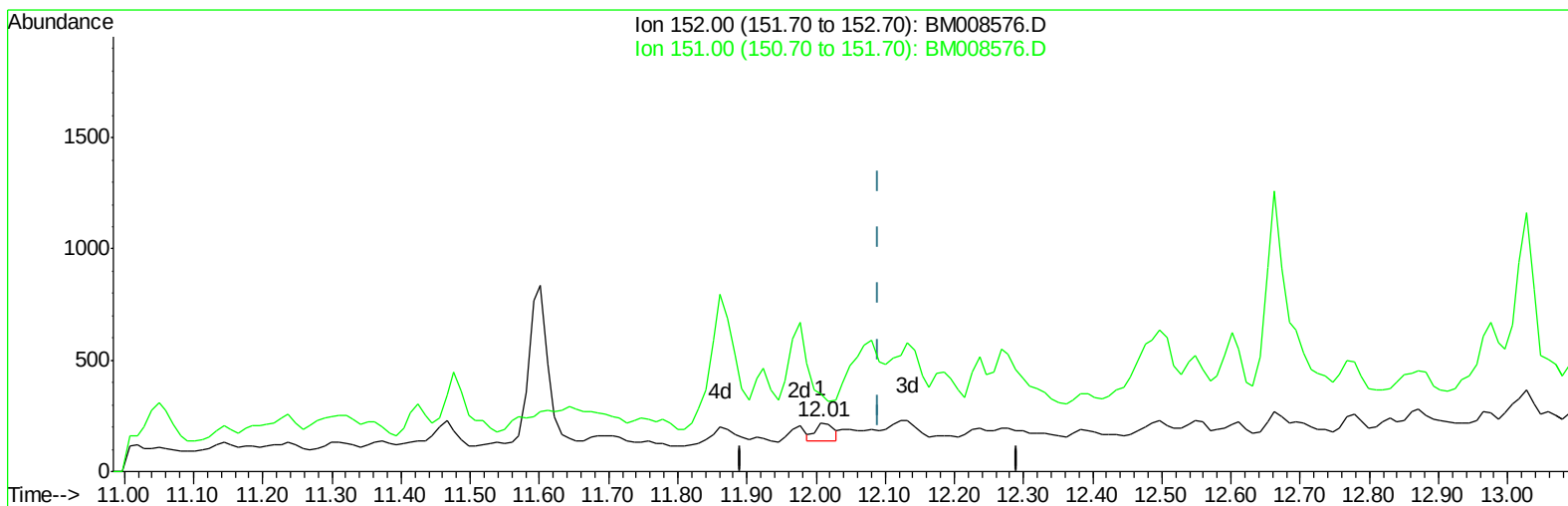
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:07:45 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.007min (-0.083) 0.07ng/ul m

response 143

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

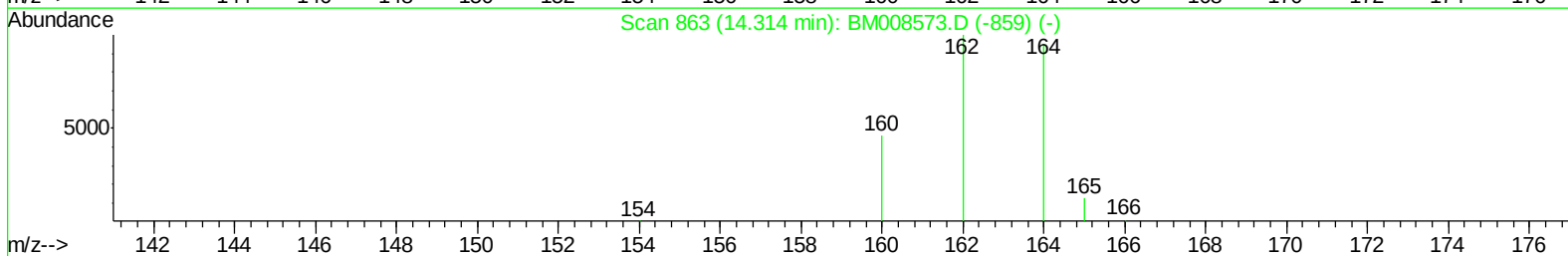
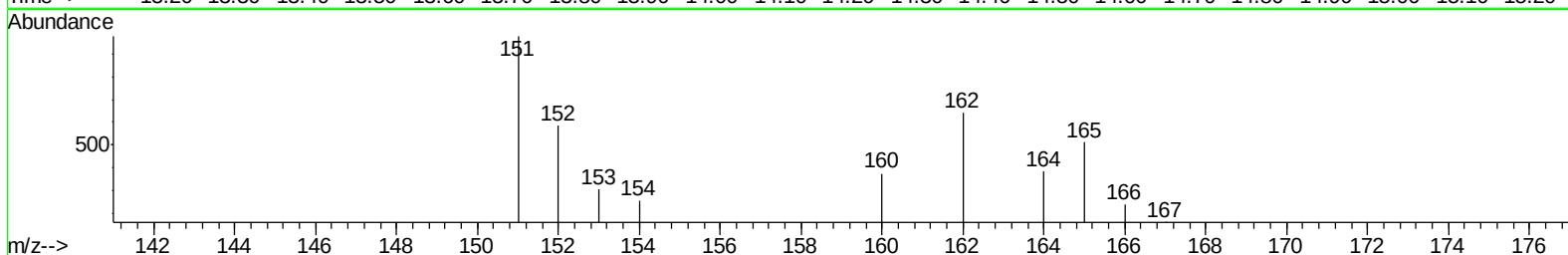
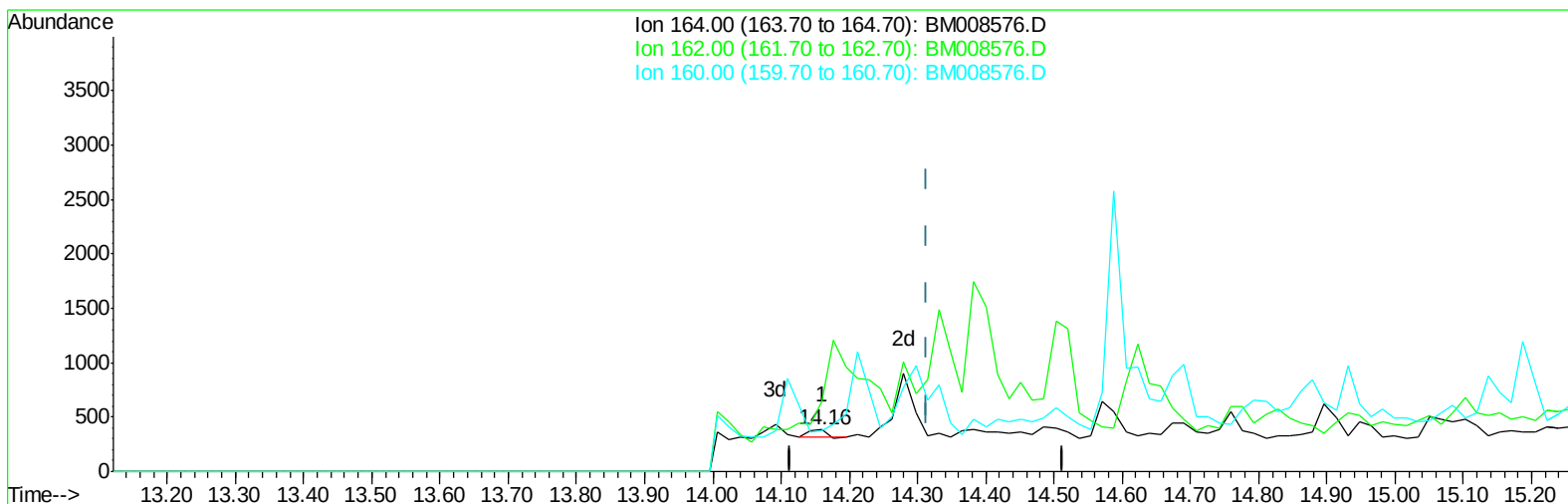
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:07:45 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(6) Acenaphthene-d10 (I)
14.160min (-0.154) 0.40ng/ul
response 138

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	167.10#
160.00	48.80	97.65#
0.00	0.00	0.00

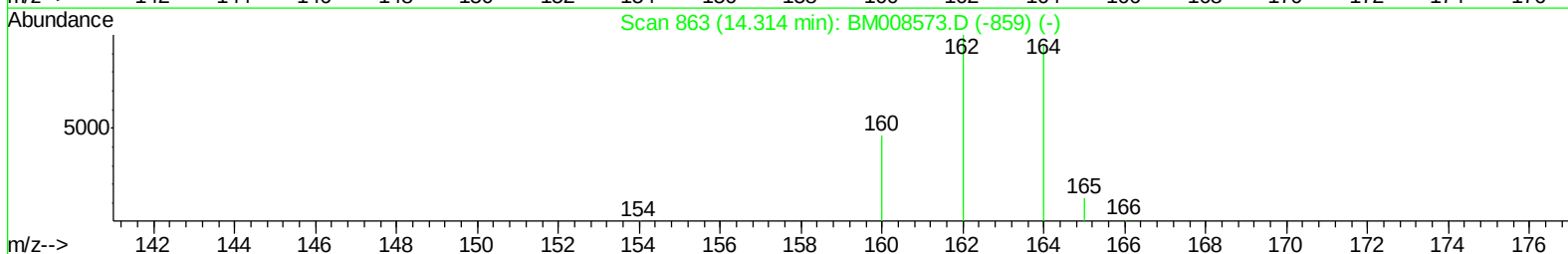
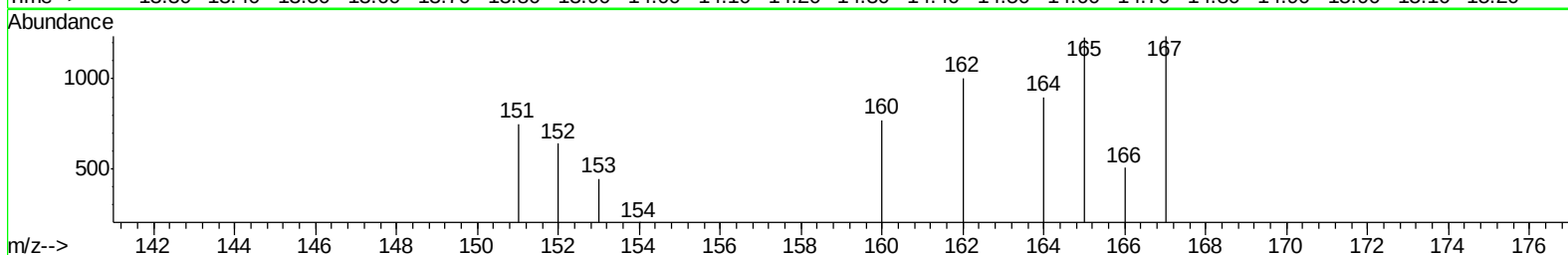
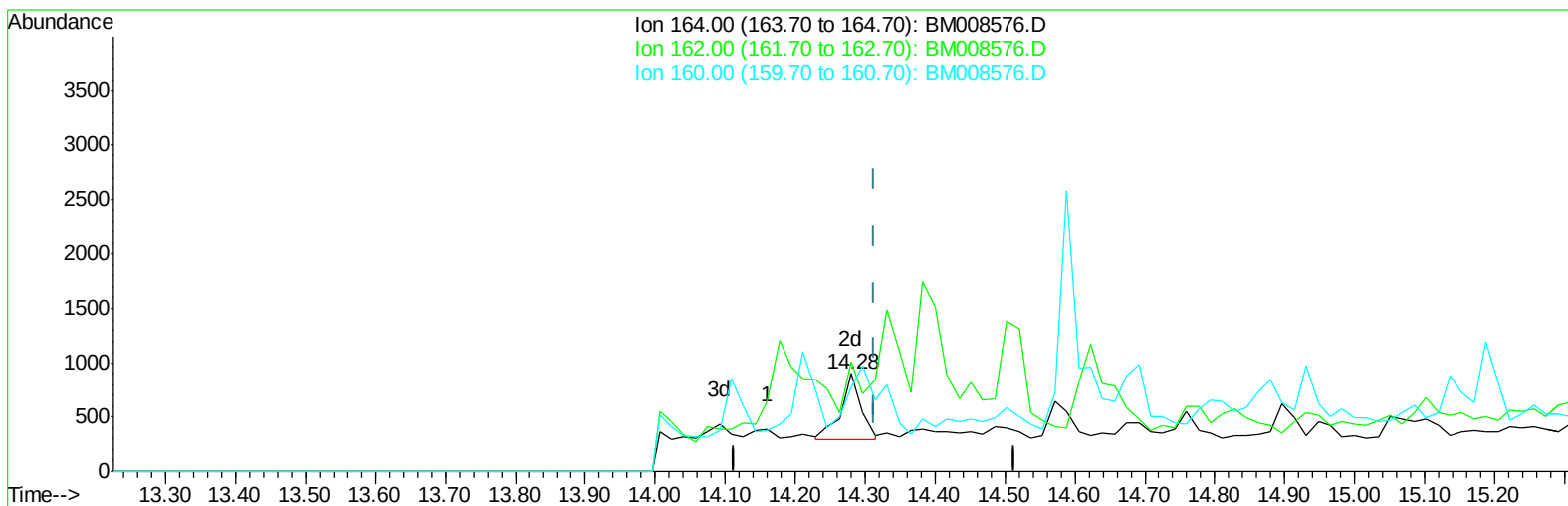
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Dec 23 11:07:45 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(6) Acenaphthene-d10 (I)

14.280min (-0.034) 0.40ng/ul m

response 1201

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	111.80
160.00	48.80	85.75#
0.00	0.00	0.00

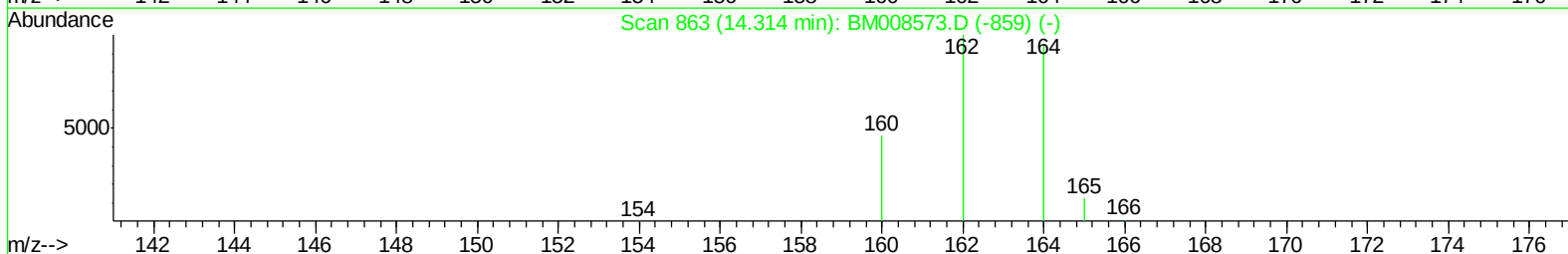
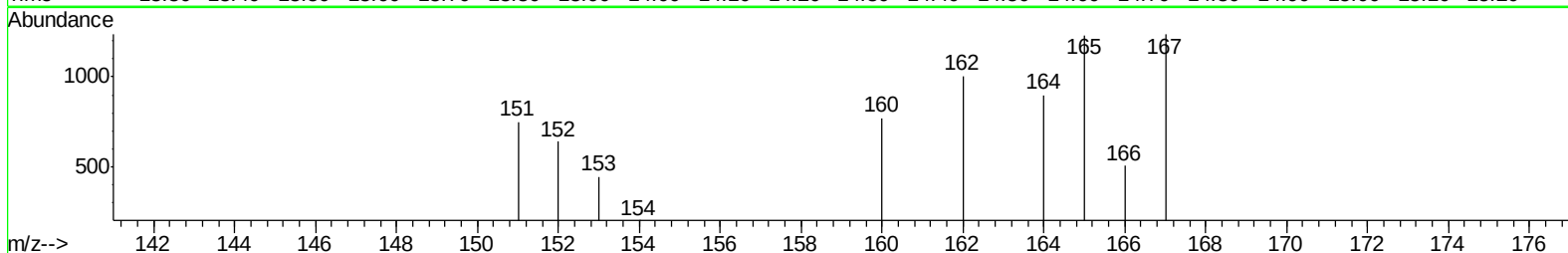
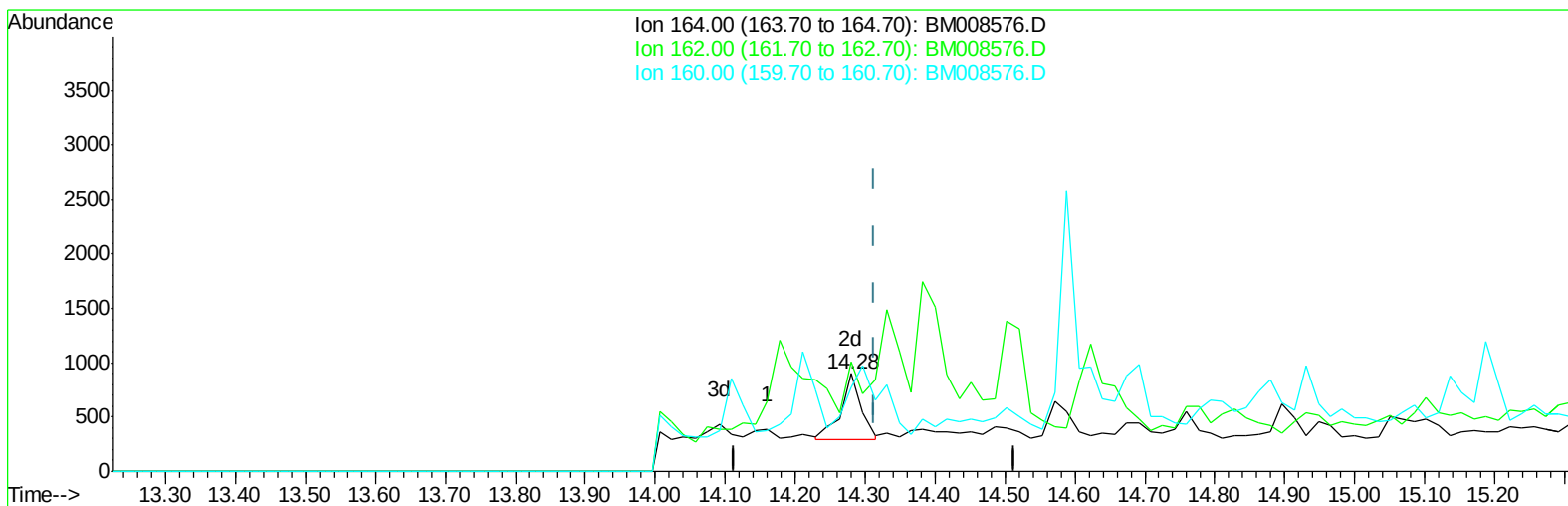
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:10:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(6) Acenaphthene-d10 (I)

14.280min (-0.034) 0.40ng/ul m

response 1201

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	111.80
160.00	48.80	85.75#
0.00	0.00	0.00

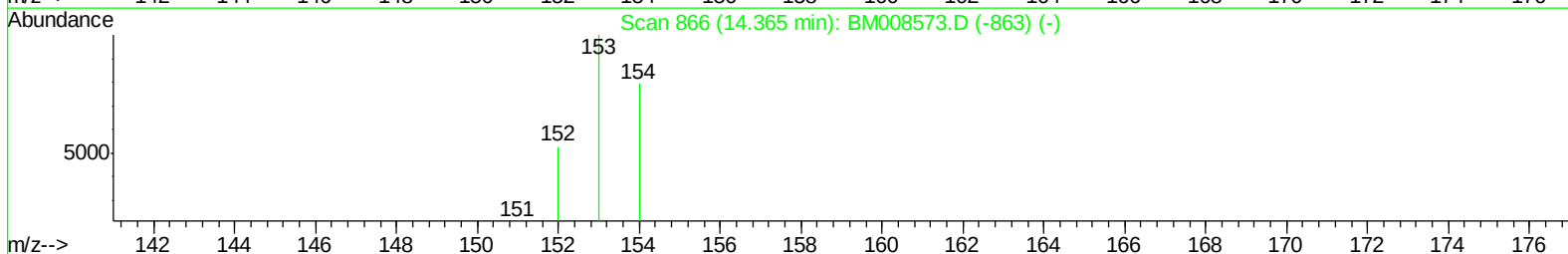
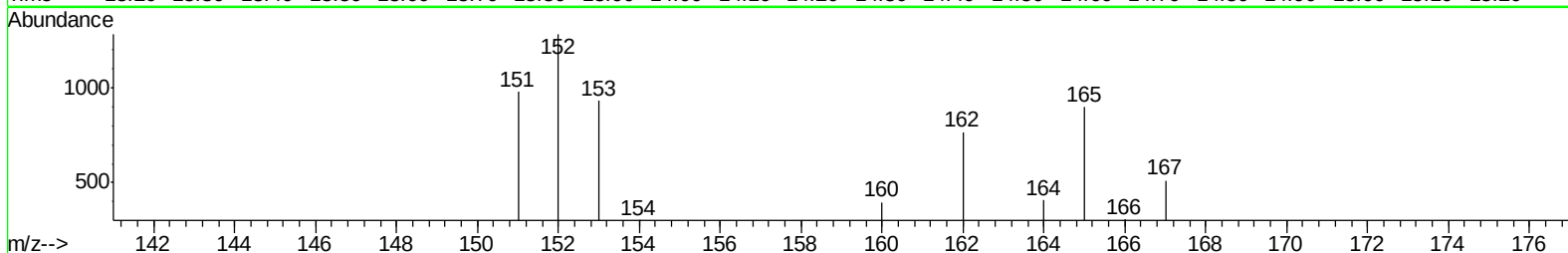
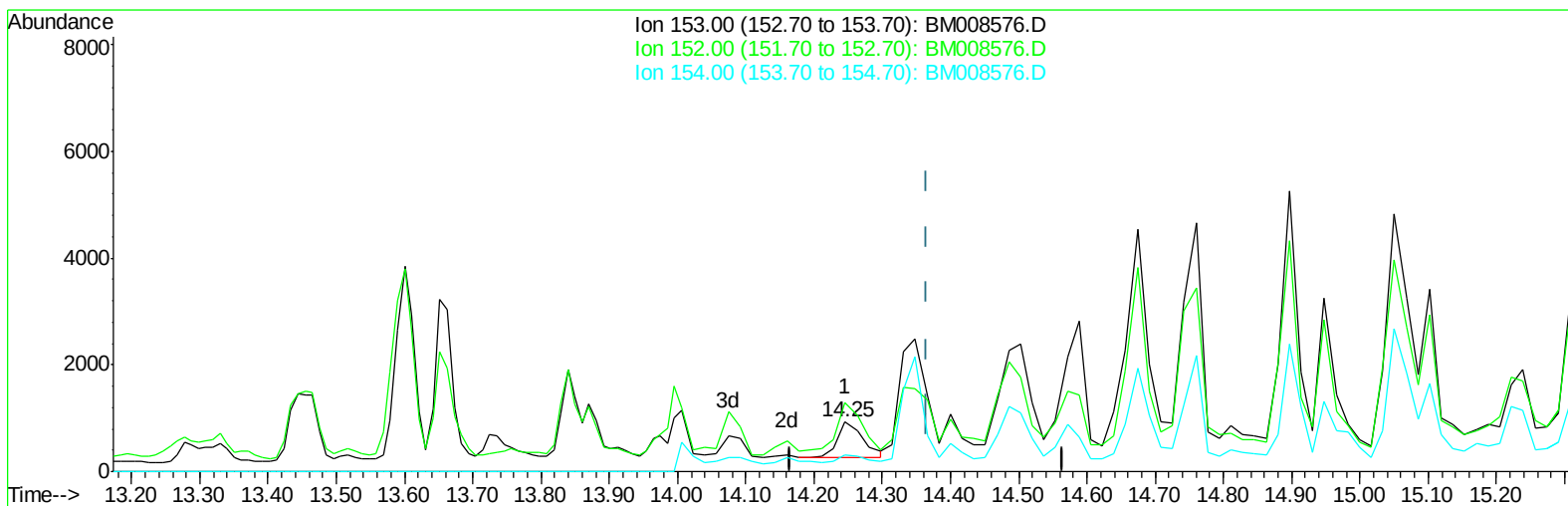
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:10:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(8) Acenaphthene (C)

14.246min (-0.120) 0.43ng/ul

response 1738

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	137.70#
154.00	89.30	32.33#
0.00	0.00	0.00

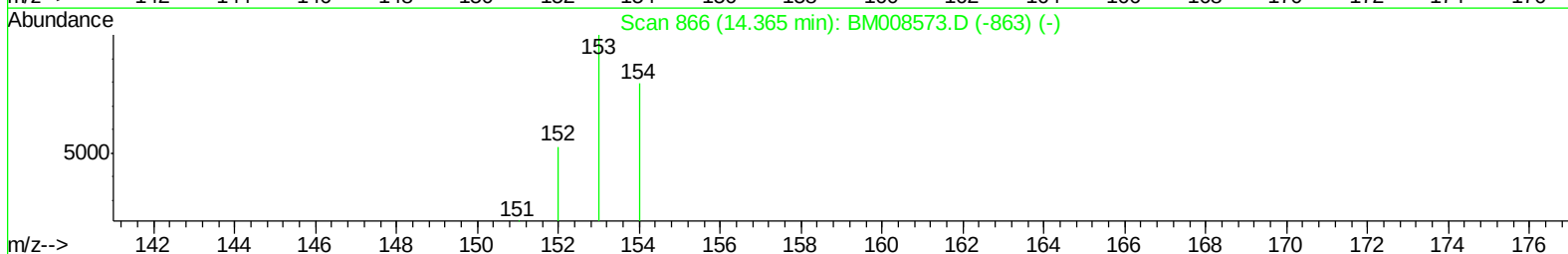
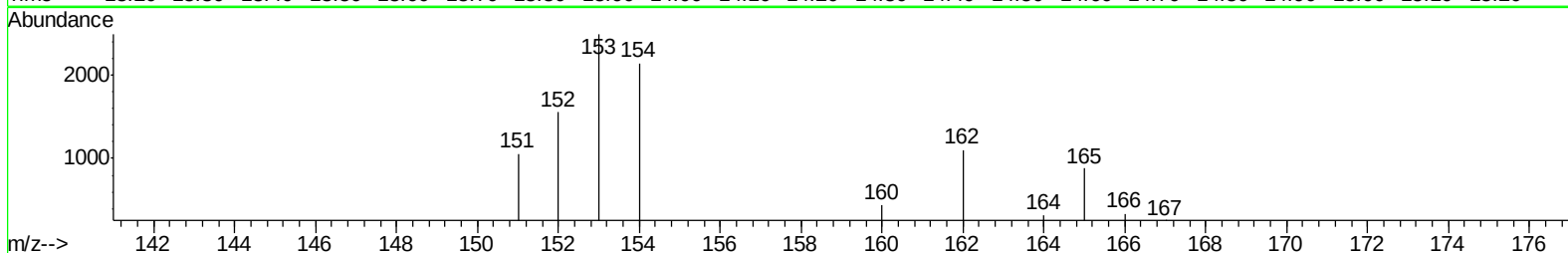
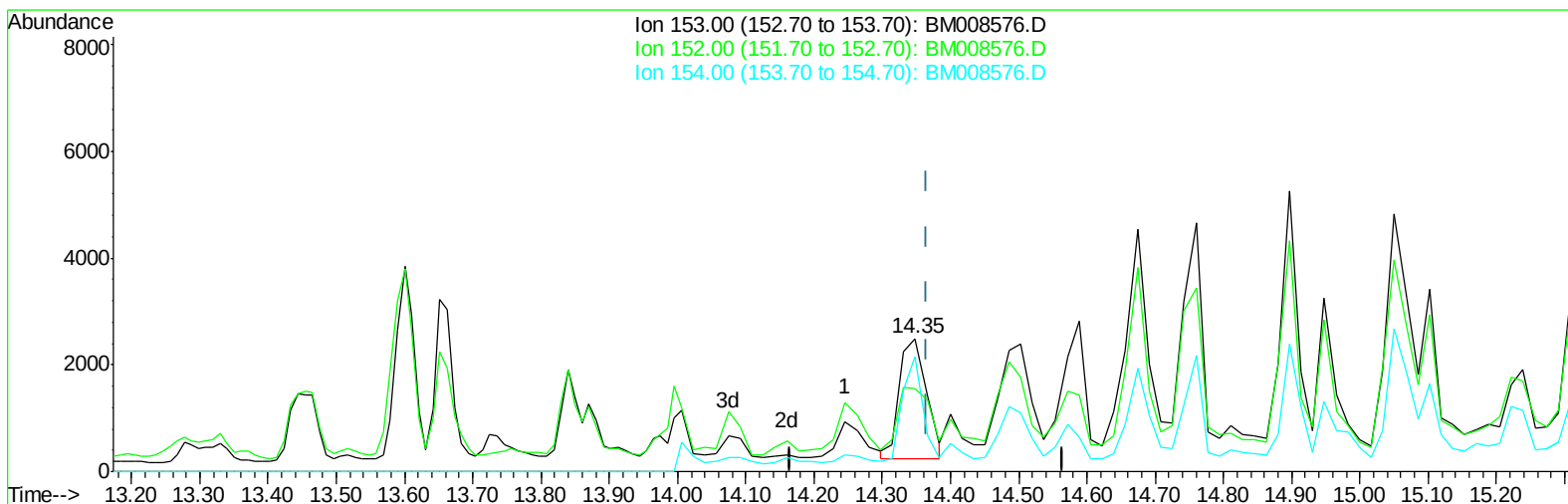
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:10:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(8) Acenaphthene (C)

14.348min (-0.017) 1.49ng/ul m

response 6101

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	62.29#
154.00	89.30	86.00
0.00	0.00	0.00

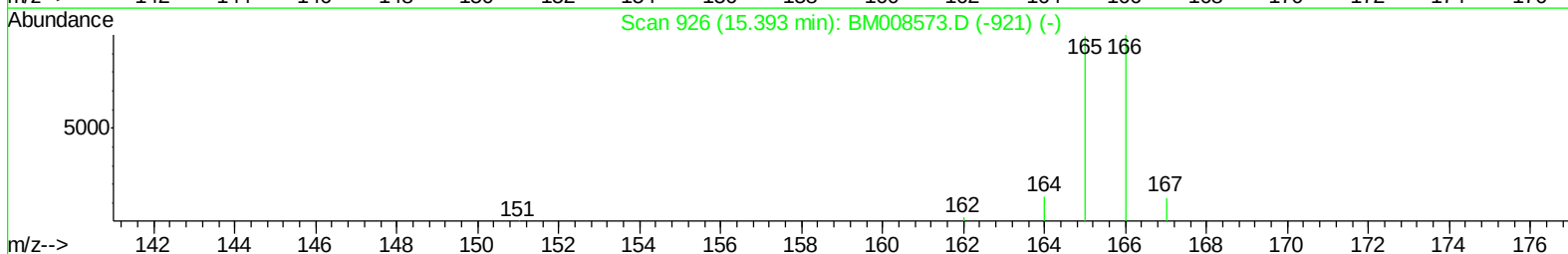
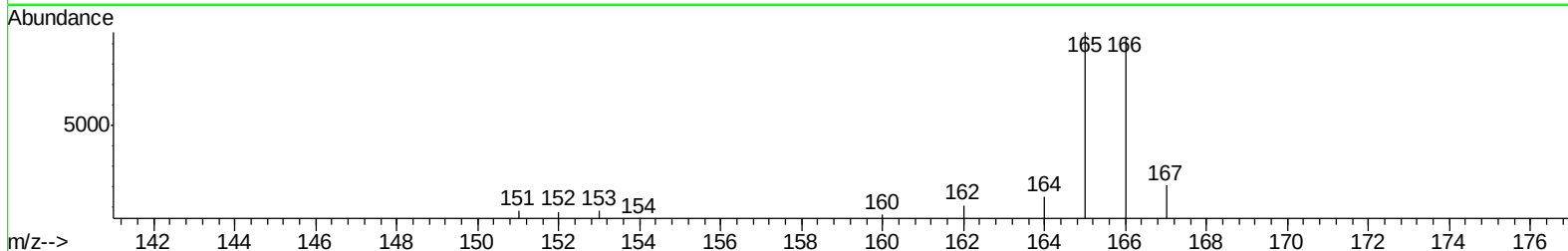
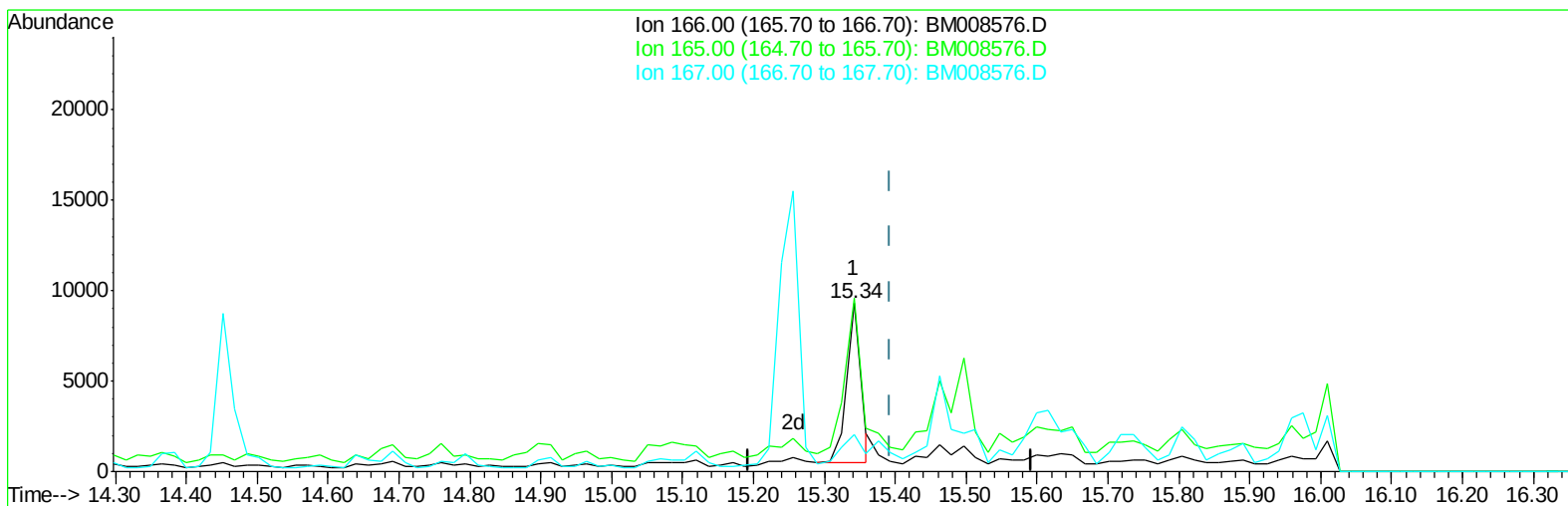
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:10:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(9) Fluorene

15.342min (-0.051) 2.69ng/ul

response 12566

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	103.26
167.00	18.30	21.94
0.00	0.00	0.00

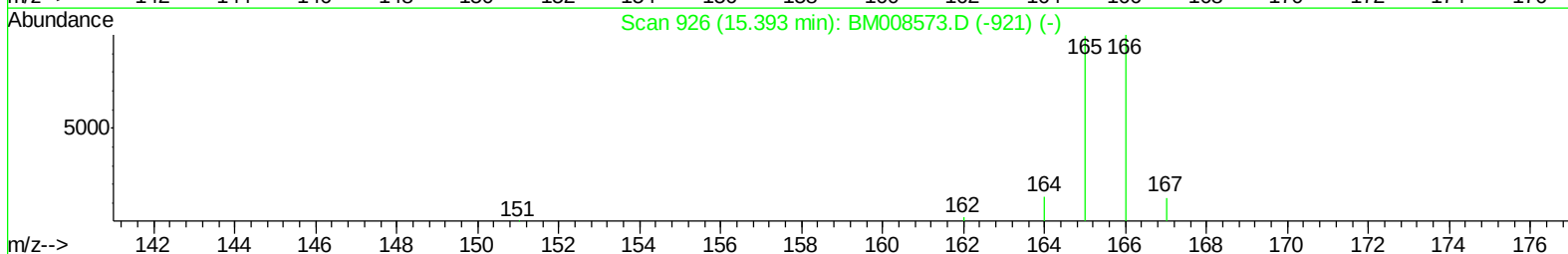
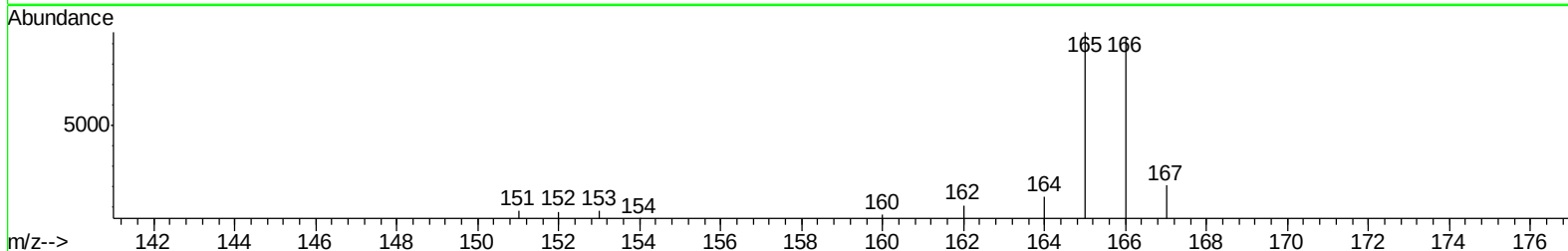
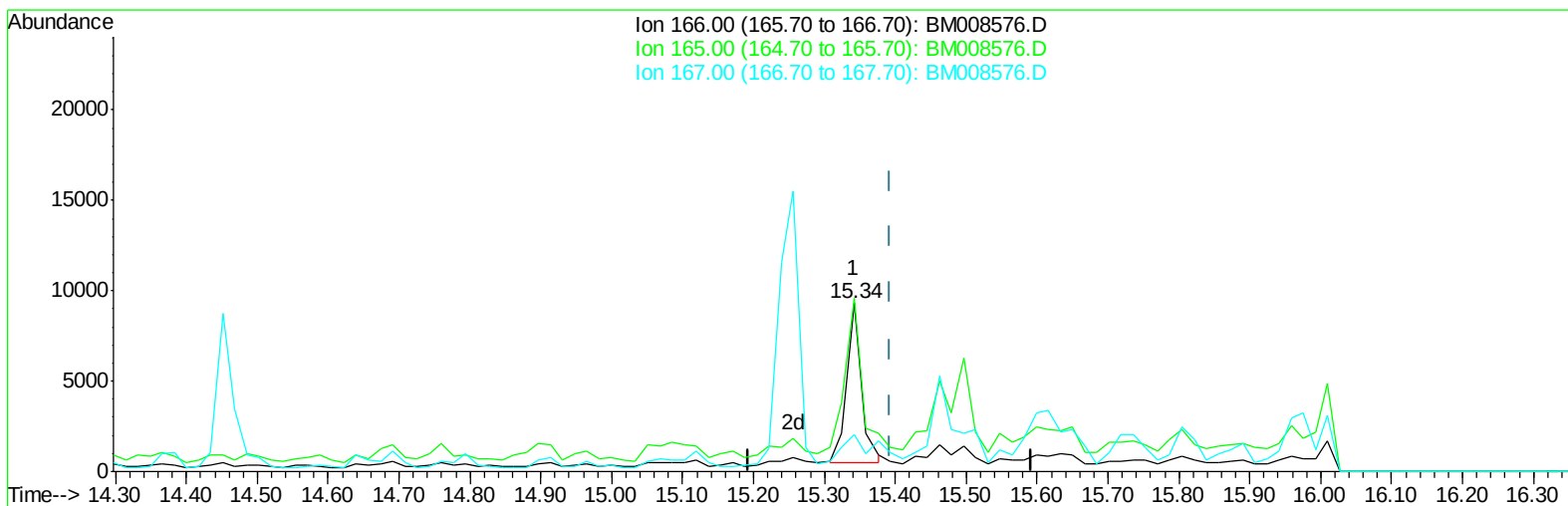
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
 Data File : BM008576.D
 Acq On : 23 Dec 2016 03:28
 Operator : UM/SJ
 Sample : H5970-22DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA861DL

Manual Integrations
 APPROVED

umangi
 12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:10:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:50:04 2016
 Response via : Initial Calibration



TIC: BM008576.D

(9) Fluorene

15.342min (-0.051) 2.76ng/ul m

response 12886

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	103.26
167.00	18.30	21.94
0.00	0.00	0.00

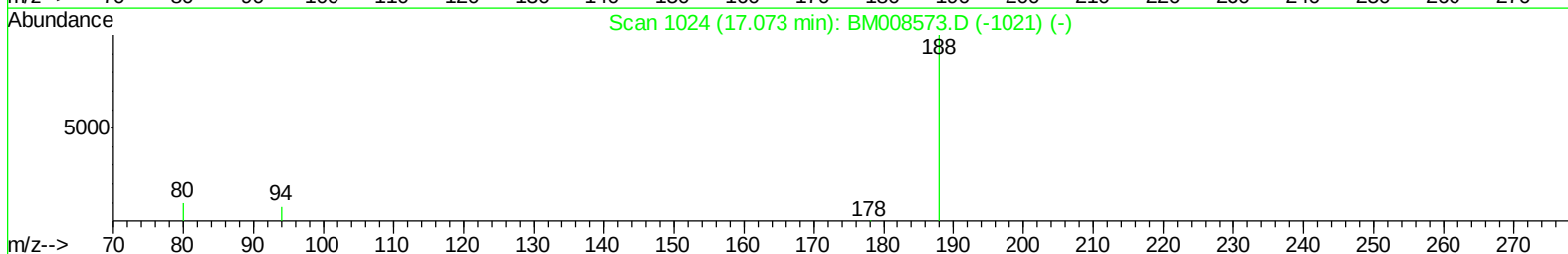
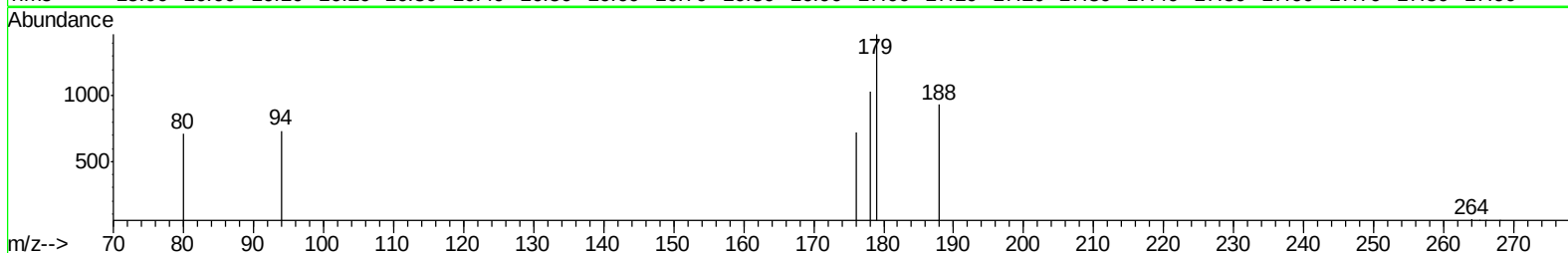
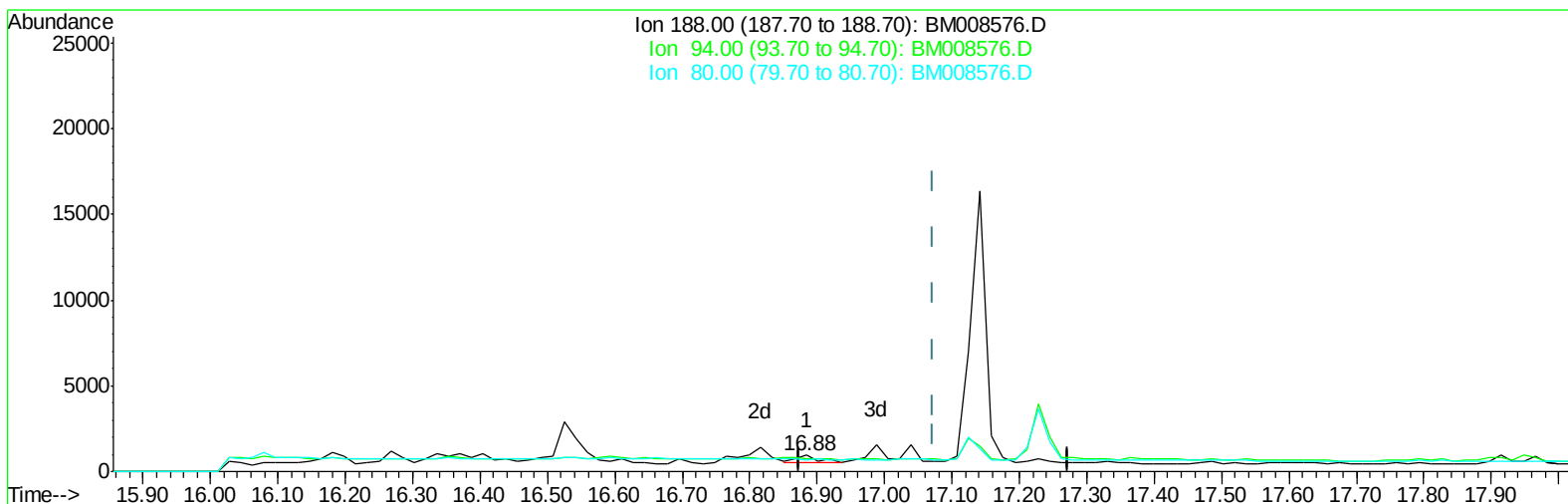
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DA861DL

Manual Integrations
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12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:10:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(10) Phenanthrene-d10 (I)

16.885min (-0.189) 0.40ng/ul

response 974

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	78.56#
80.00	11.80	75.99#
0.00	0.00	0.00

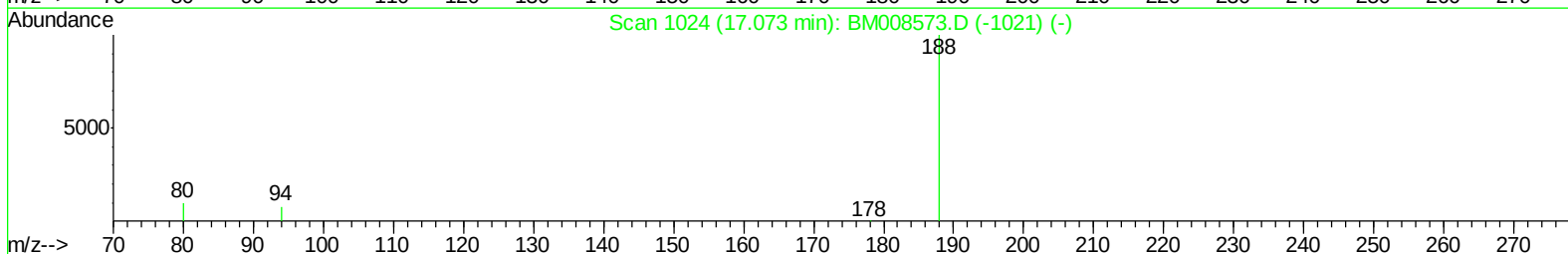
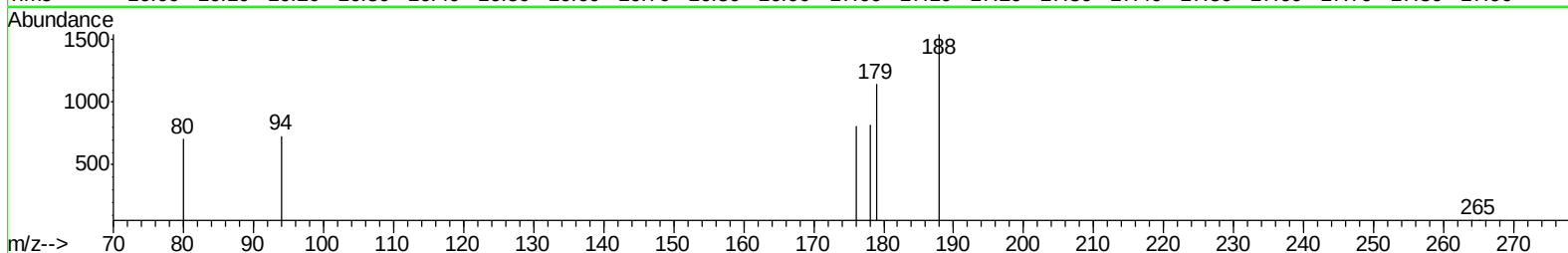
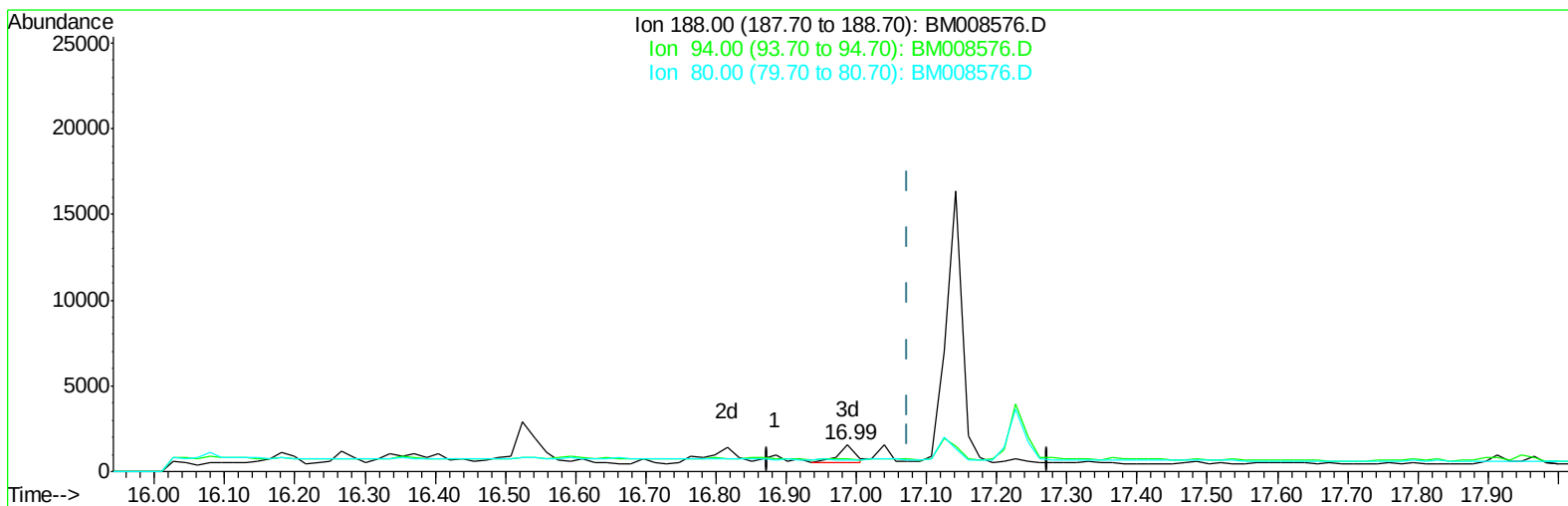
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:10:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BM008576.D

(10) Phenanthrene-d10 (I)

16.988min (-0.086) 0.40ng/ul m

response 1883

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	47.31#
80.00	11.80	45.63#
0.00	0.00	0.00

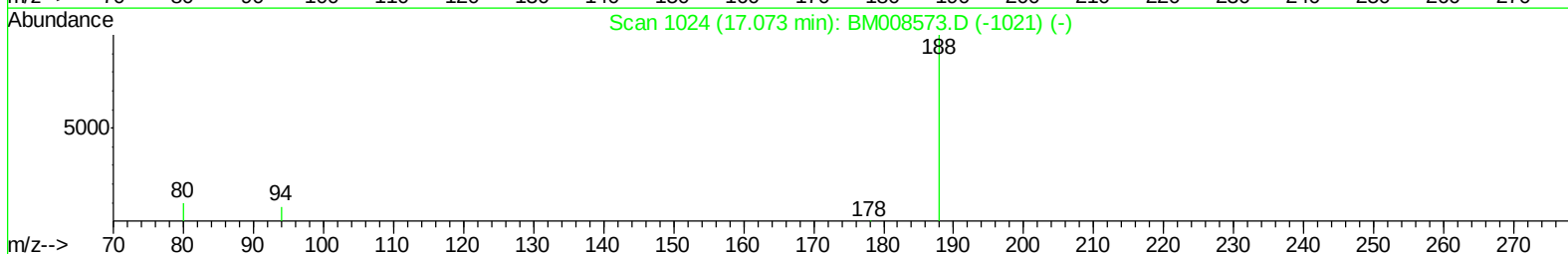
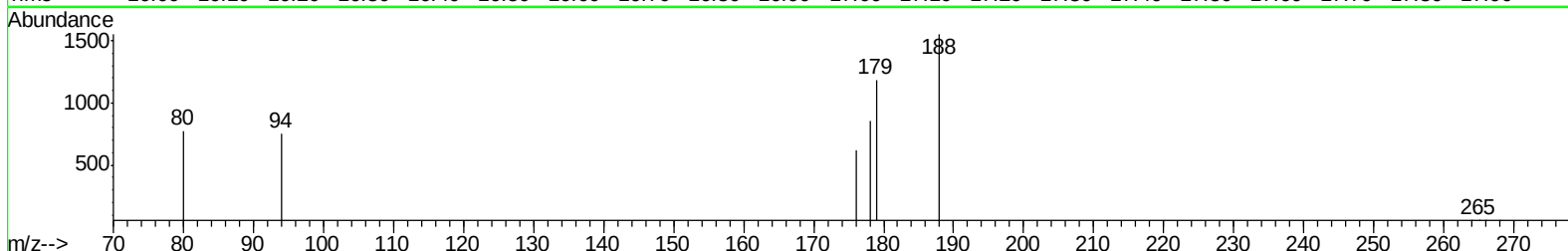
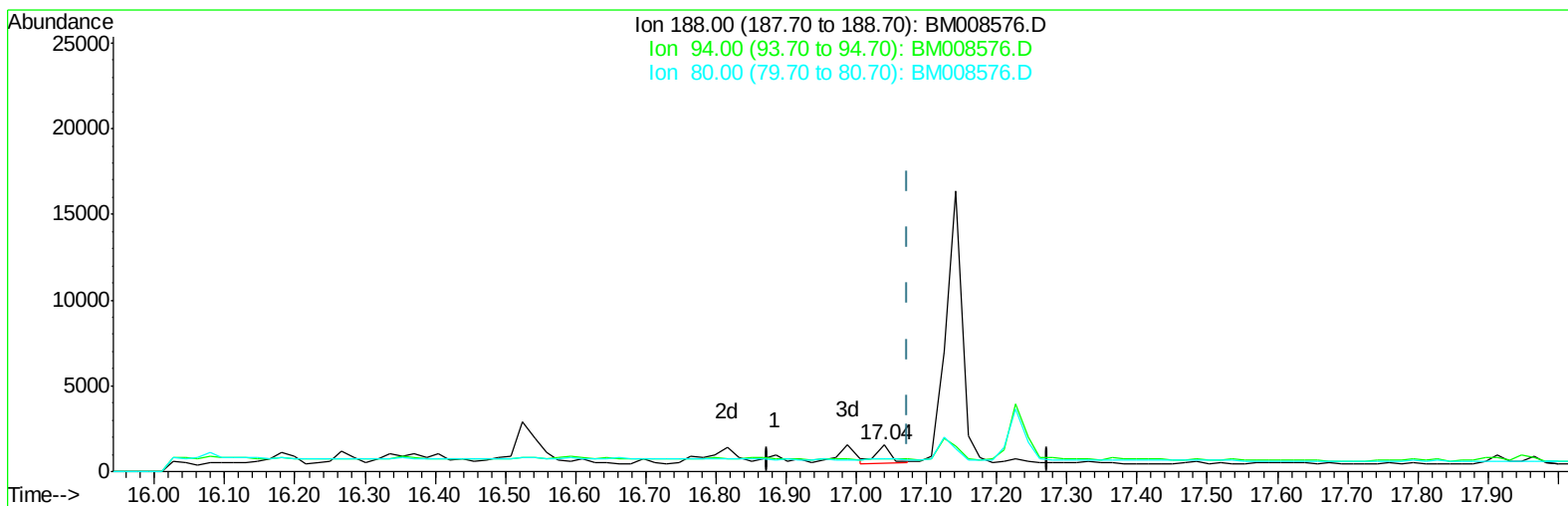
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:15:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(10) Phenanthrene-d10 (I)

17.039min (-0.034) 0.40ng/ul m

response 1590

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	48.61#
80.00	11.80	49.77#
0.00	0.00	0.00

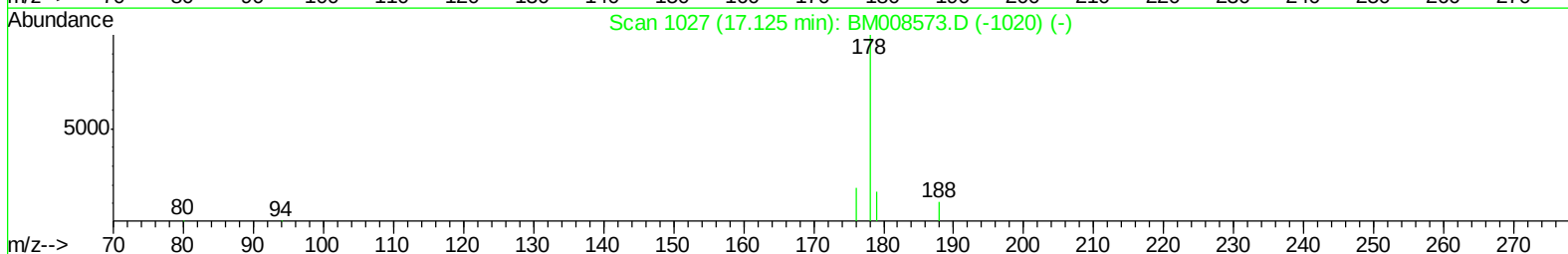
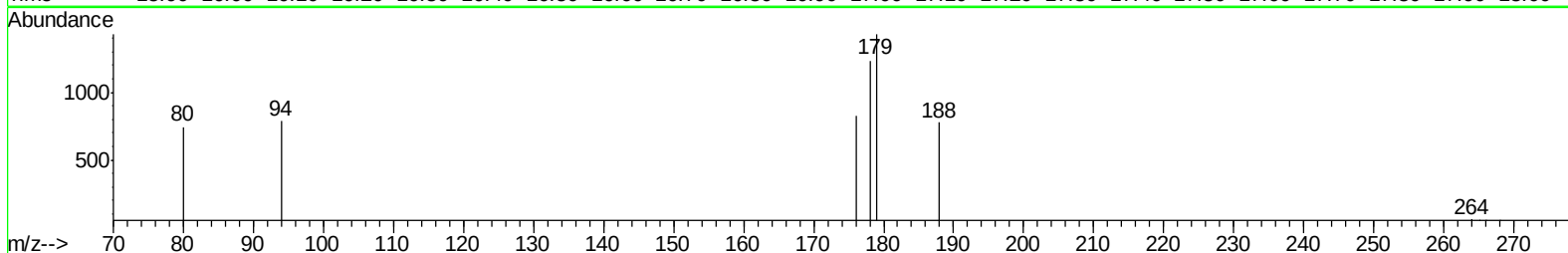
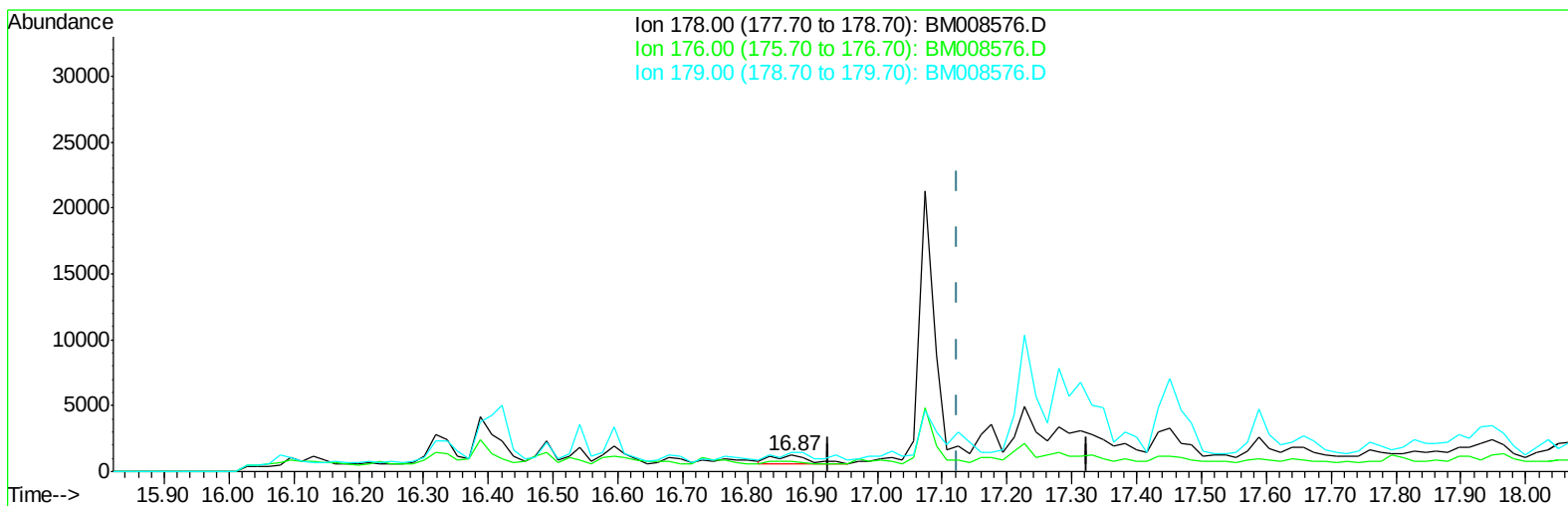
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(12) Phenanthrene

16.867min (-0.257) 0.47ng/ul

response 2273

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	66.67#
179.00	17.00	115.61#
0.00	0.00	0.00

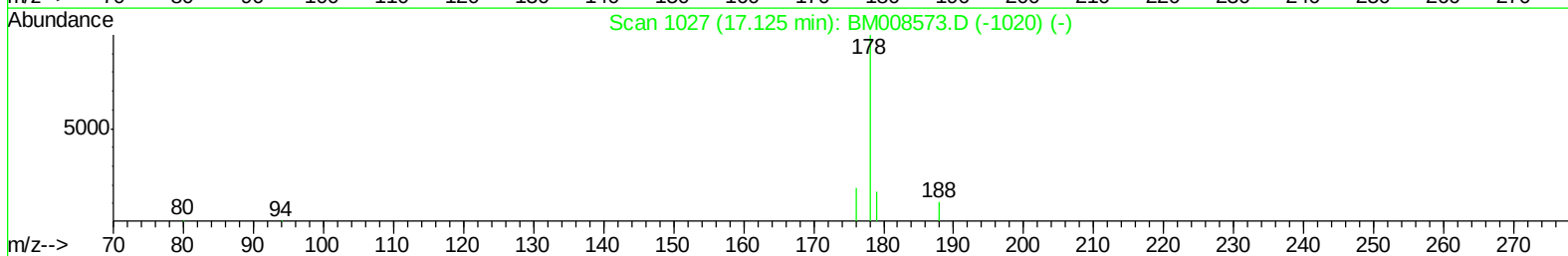
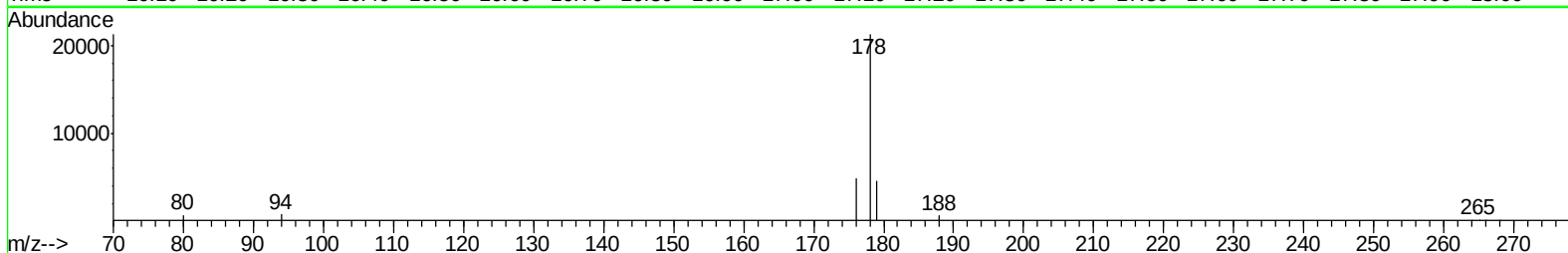
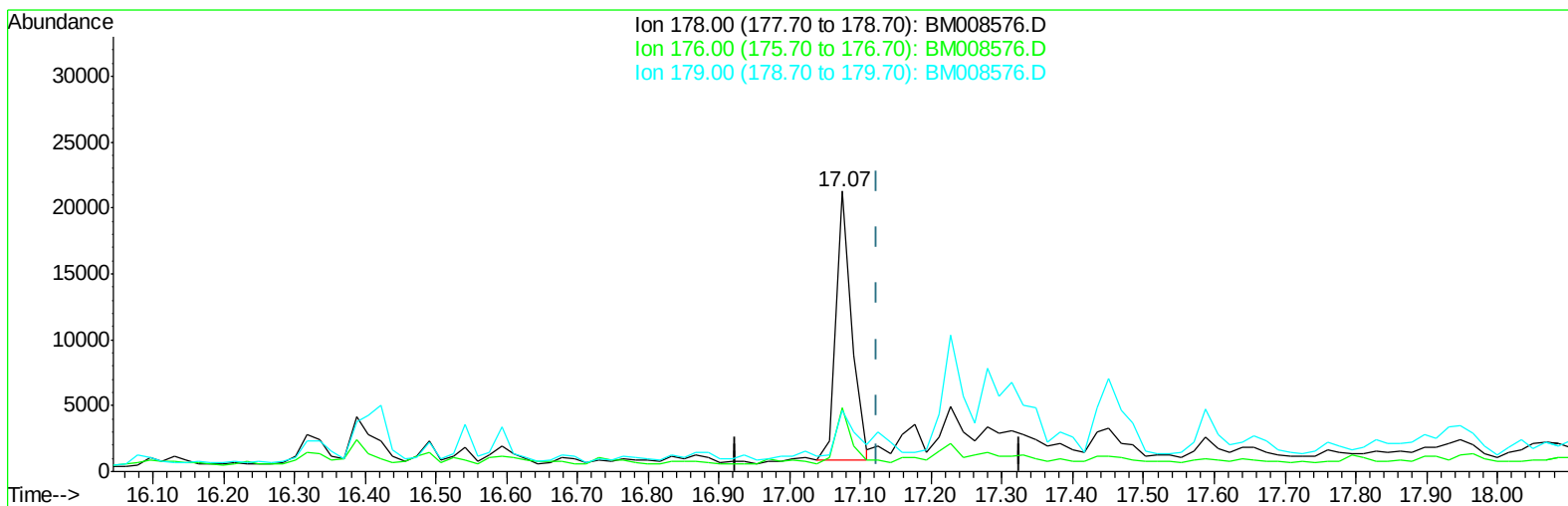
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

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Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(12) Phenanthrene

17.073min (-0.051) 6.51ng/ul m

response 31612

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	22.82
179.00	17.00	21.68#
0.00	0.00	0.00

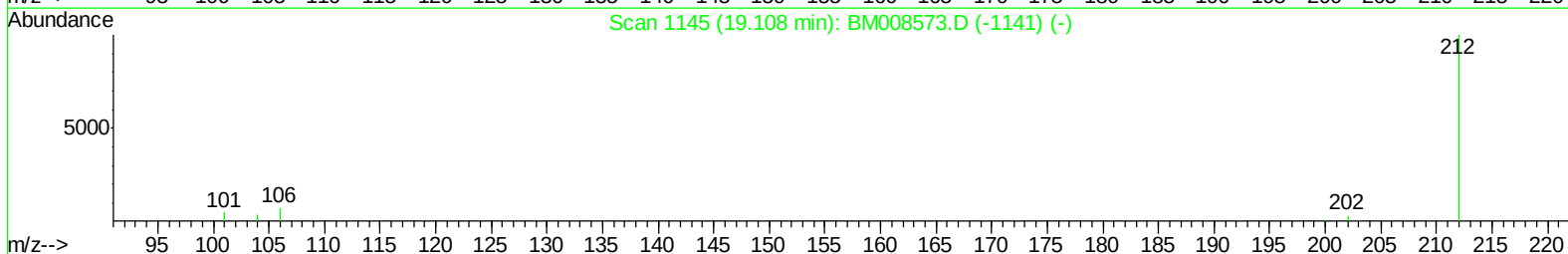
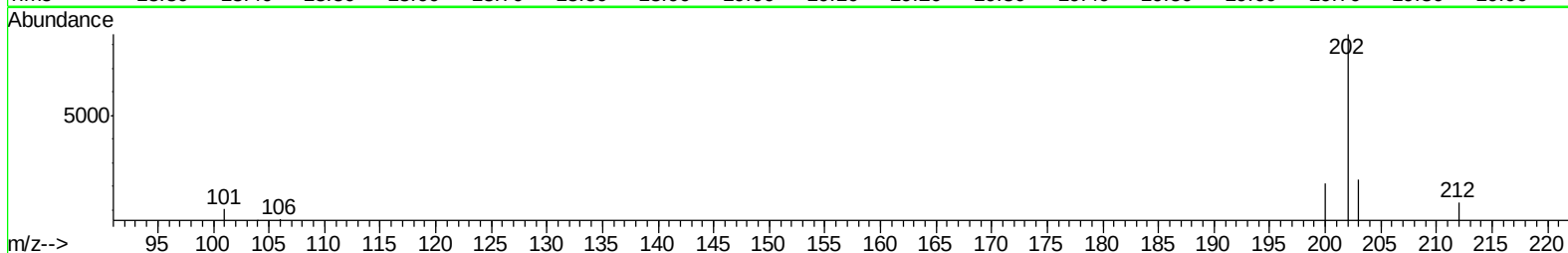
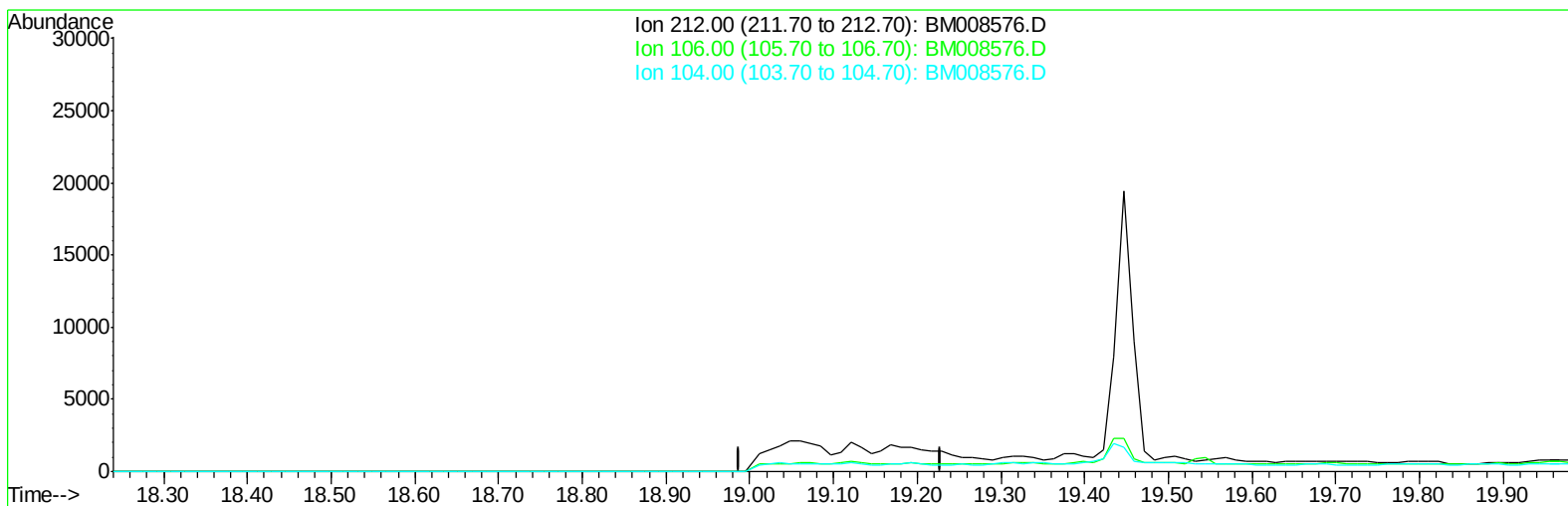
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(14) Fluoranthene-d10 (SURR)

19.108min (-19.108) 0.00ng/ul

response 0

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

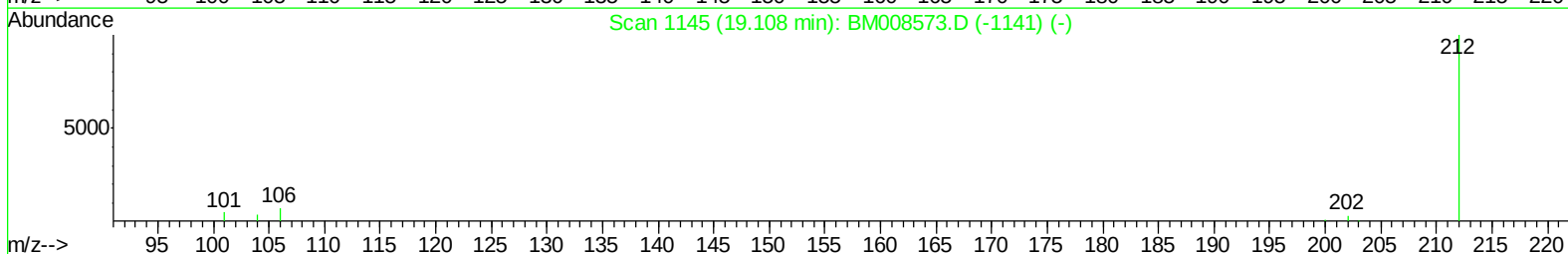
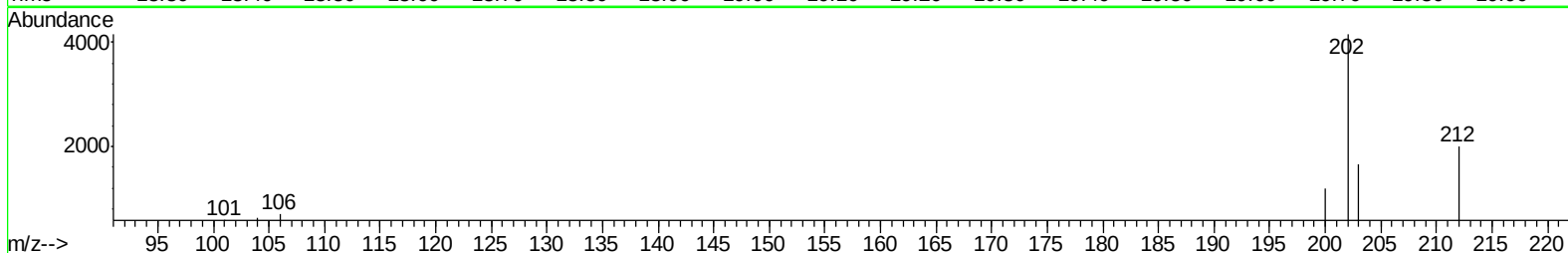
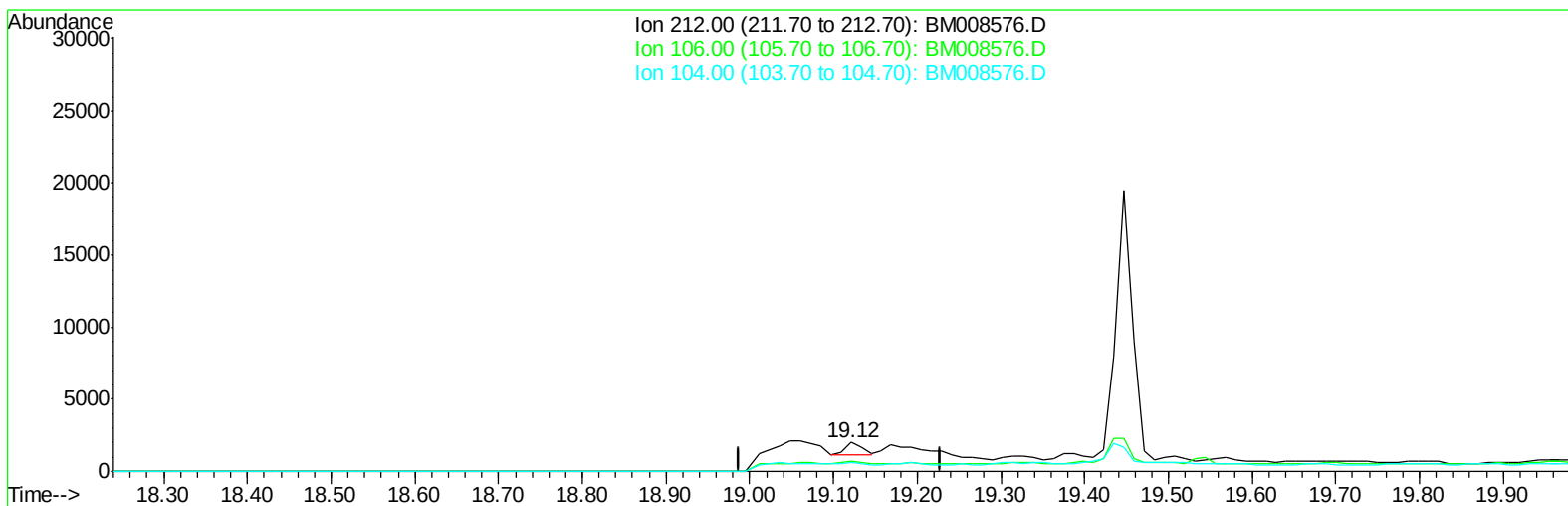
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(14) Fluoranthene-d10 (SURR)

19.121min (+0.012) 0.29ng/ul m

response 1273

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

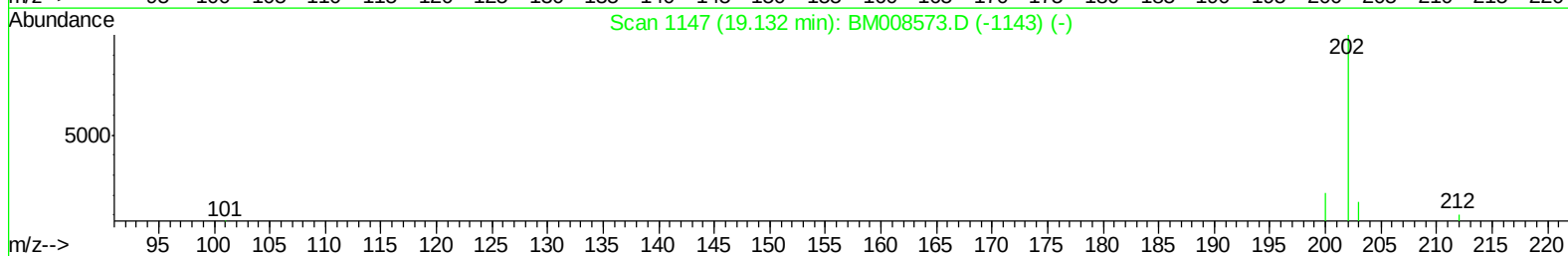
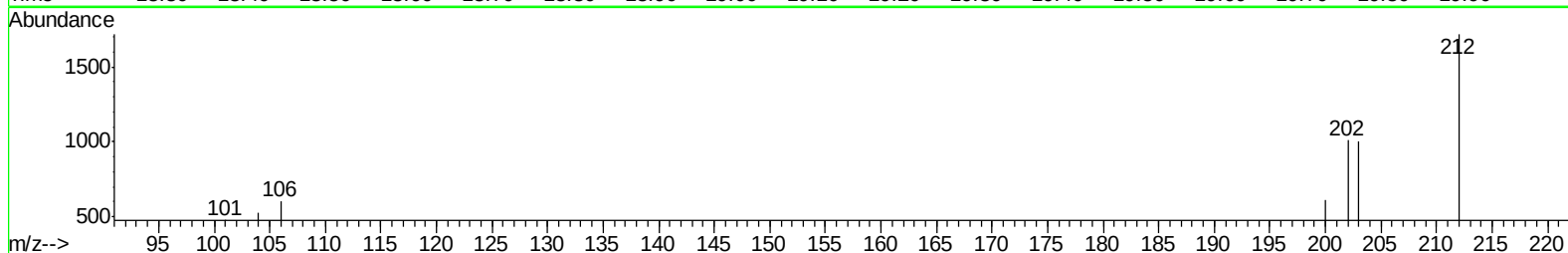
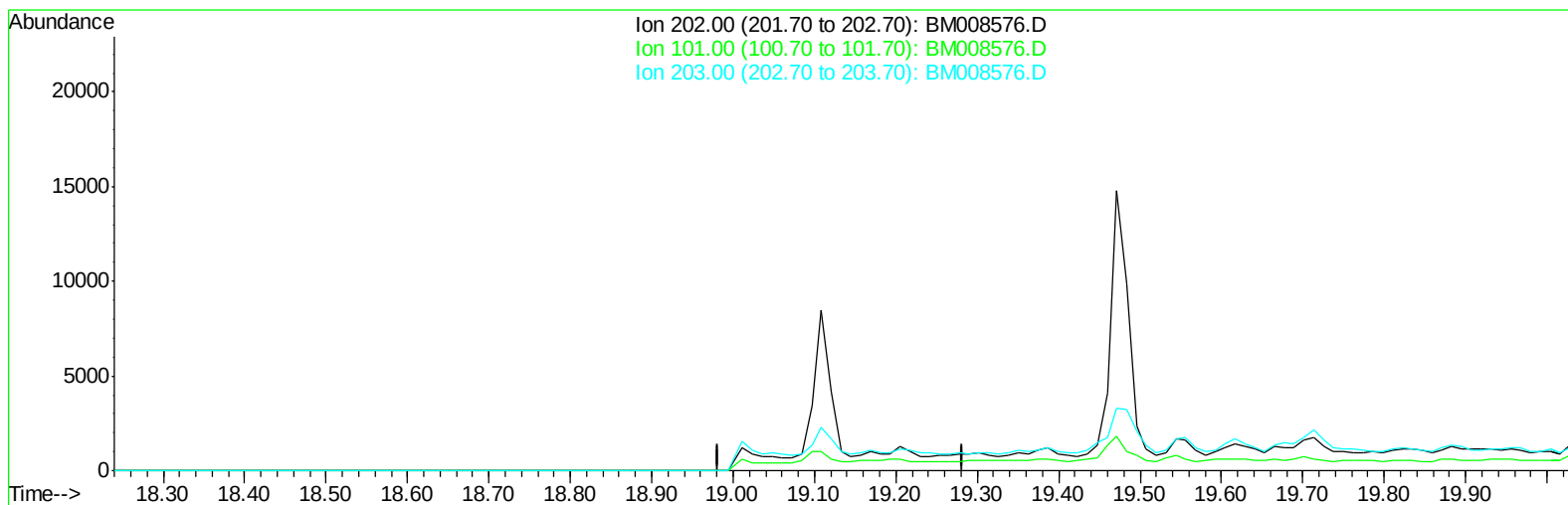
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(15) Fluoranthene (C)

19.132min (-19.132) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.30	0.00
203.00	19.50	0.00
0.00	0.00	0.00

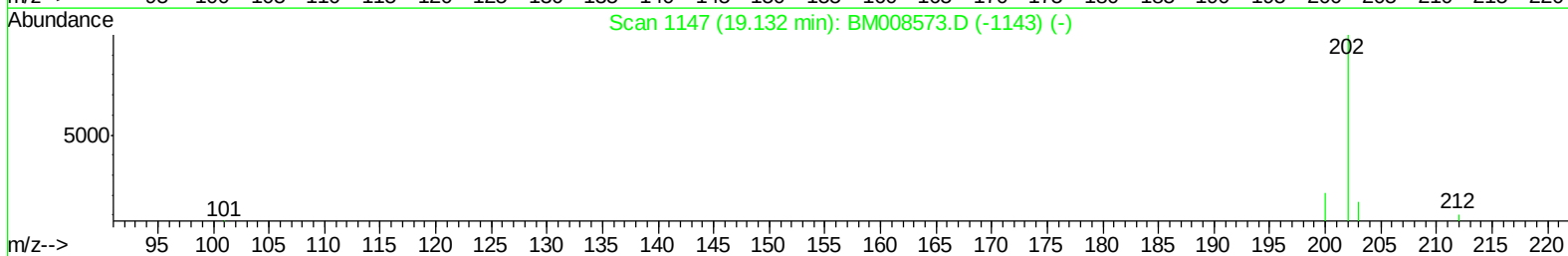
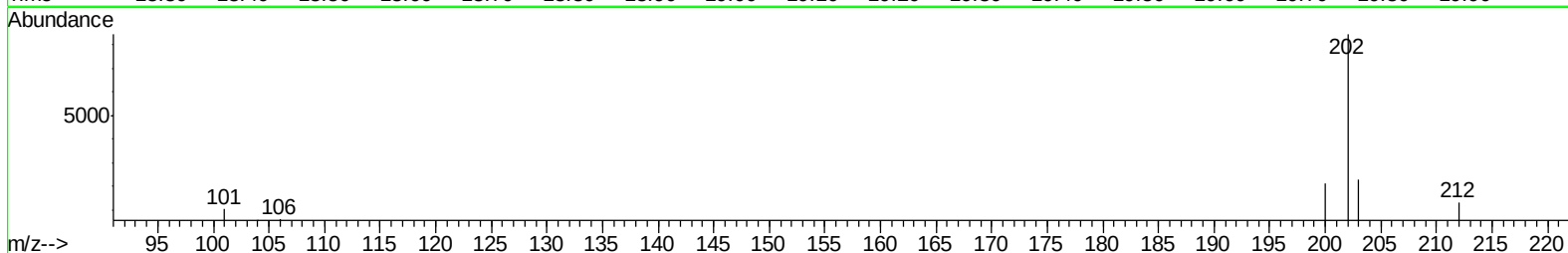
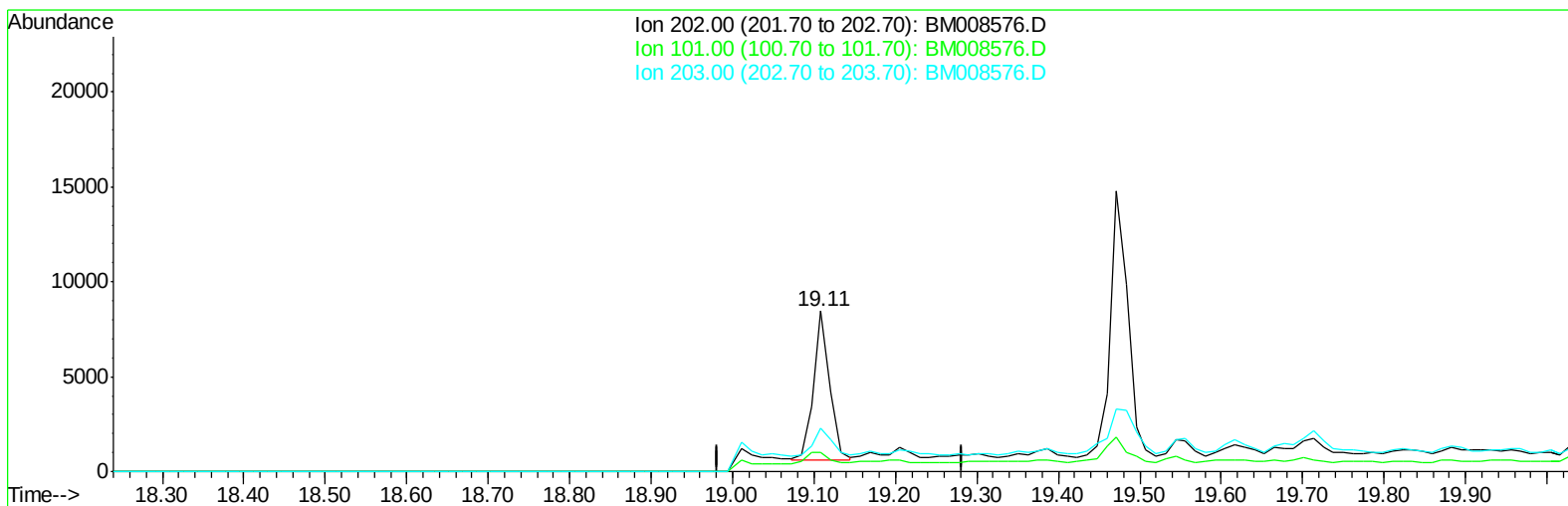
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(15) Fluoranthene (C)

19.108min (-0.024) 1.83ng/ul m

response 10903

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	12.11
203.00	19.50	27.28
0.00	0.00	0.00

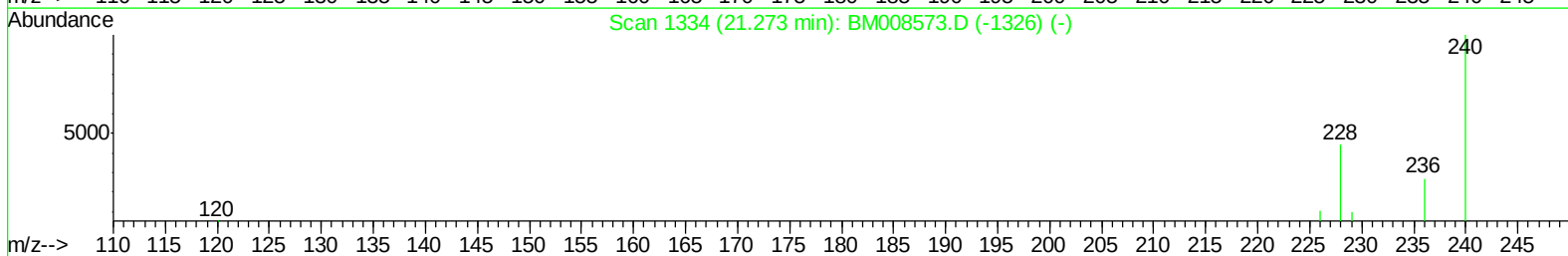
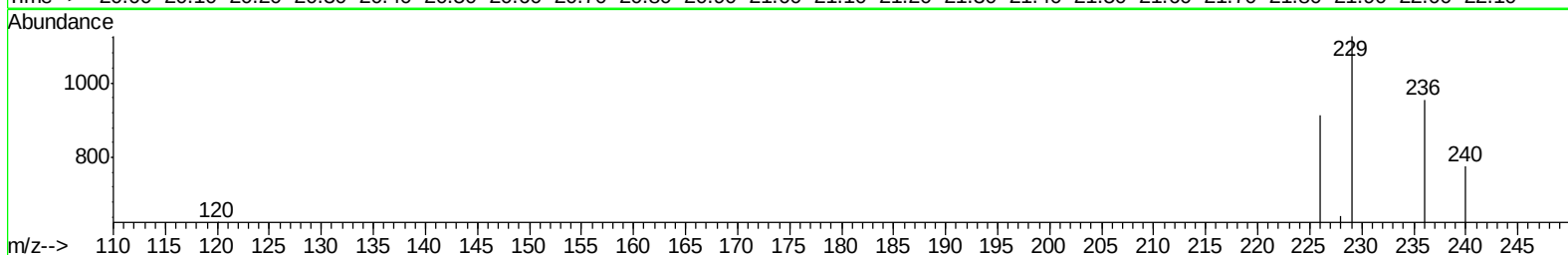
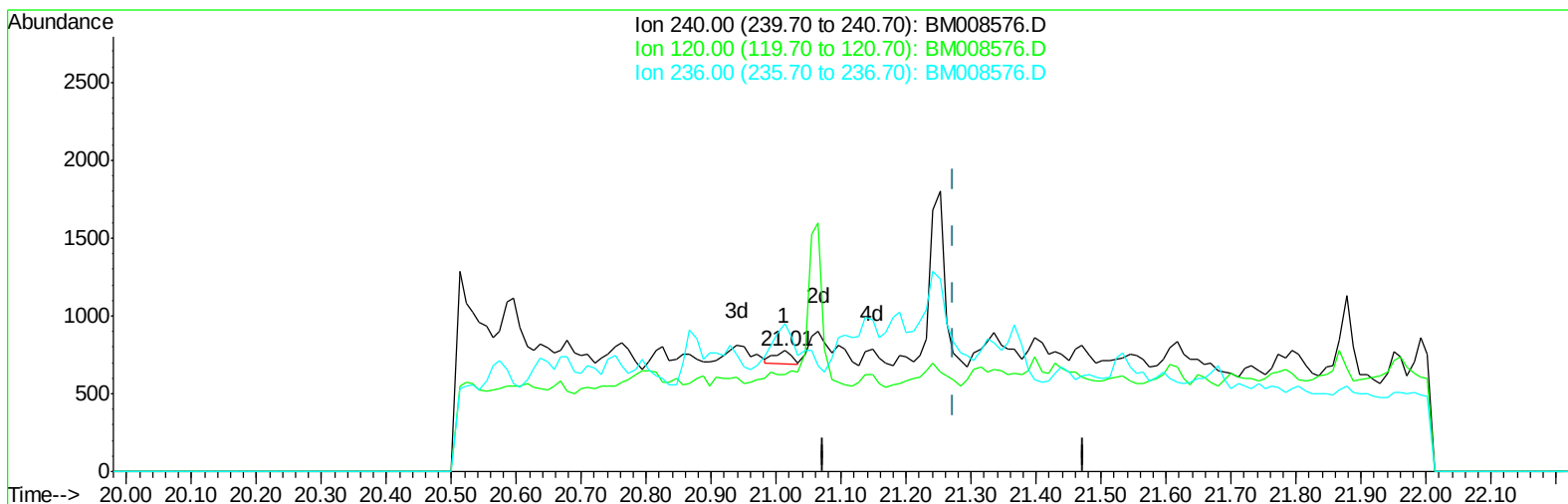
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(16) Chrysene-d12 (I)

21.012min (-0.260) 0.40ng/ul

response 148

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	80.65#
236.00	34.90	122.97#
0.00	0.00	0.00

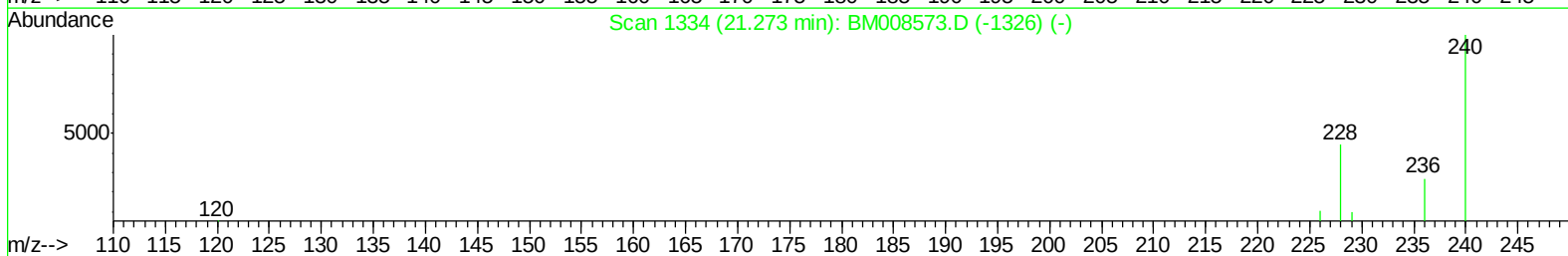
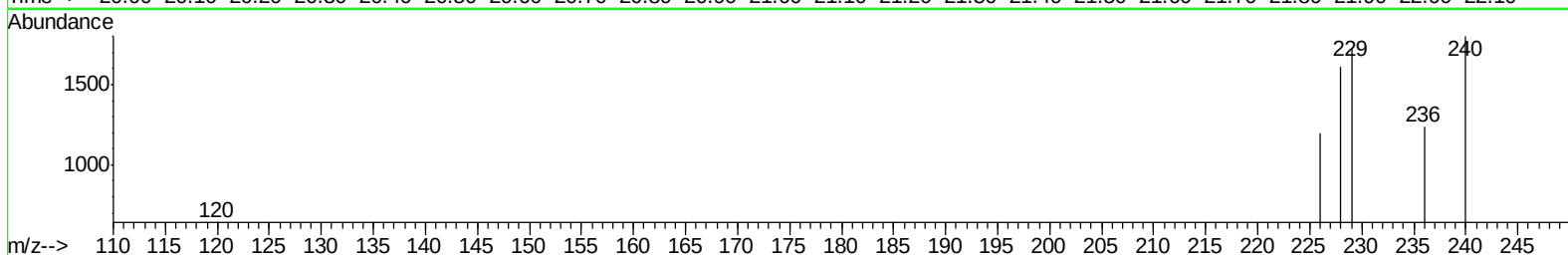
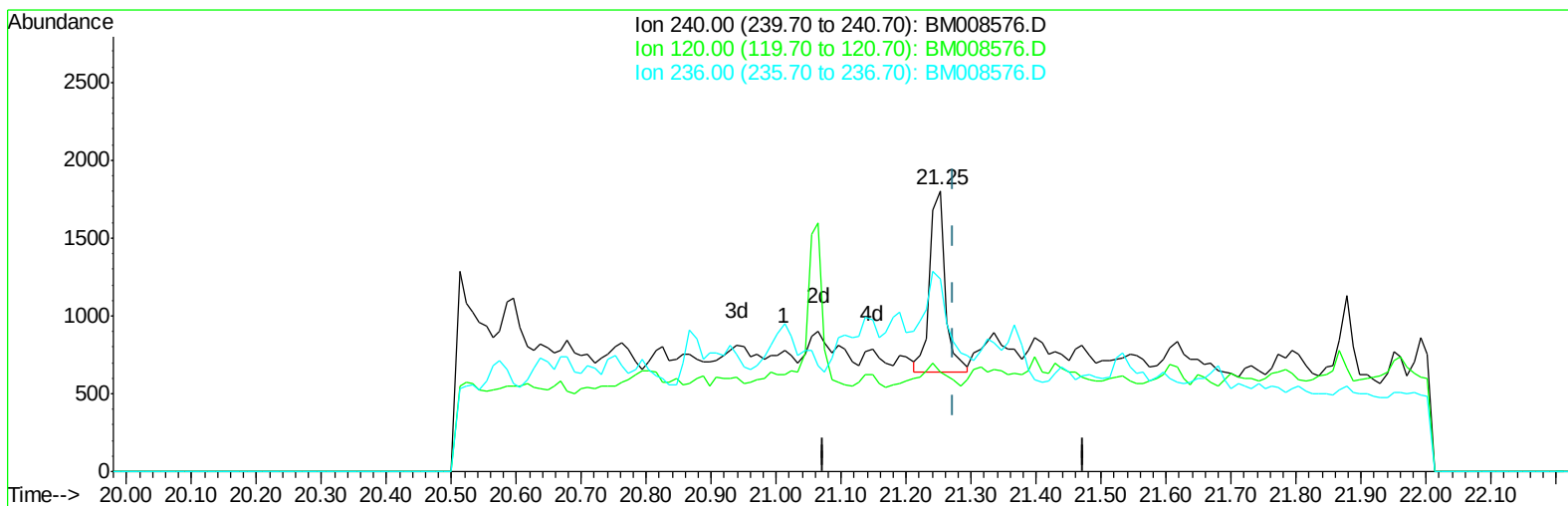
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:15:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(16) Chrysene-d12 (I)

21.252min (-0.021) 0.40ng/ul m

response 1925

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	35.57#
236.00	34.90	68.53#
0.00	0.00	0.00

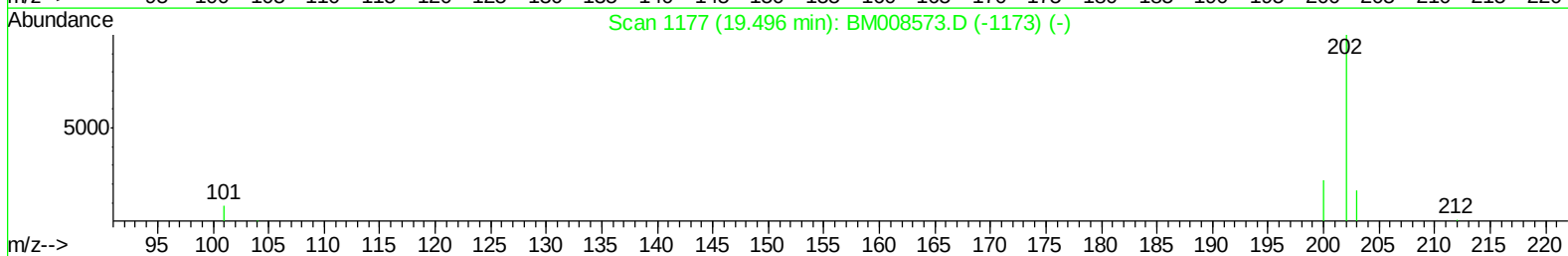
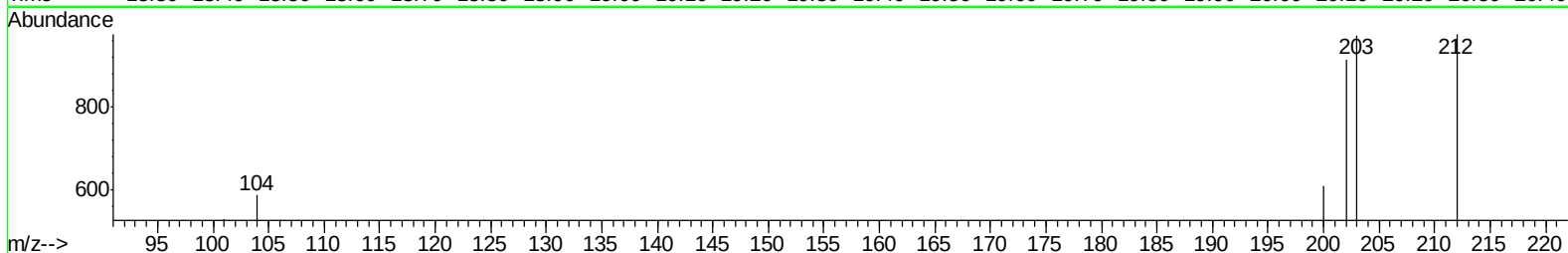
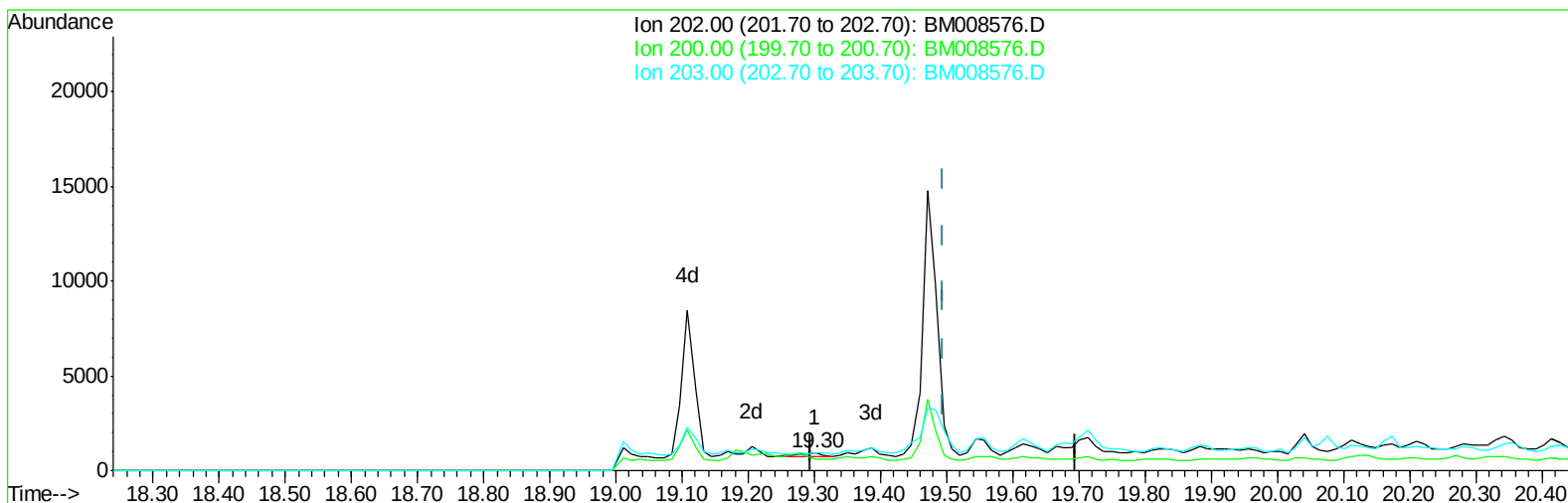
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(17) Pyrene

19.302min (-0.193) 0.06ng/ul

response 474

Ion	Exp%	Act%
202.00	100	100
200.00	22.80	66.34#
203.00	19.50	106.45#
0.00	0.00	0.00

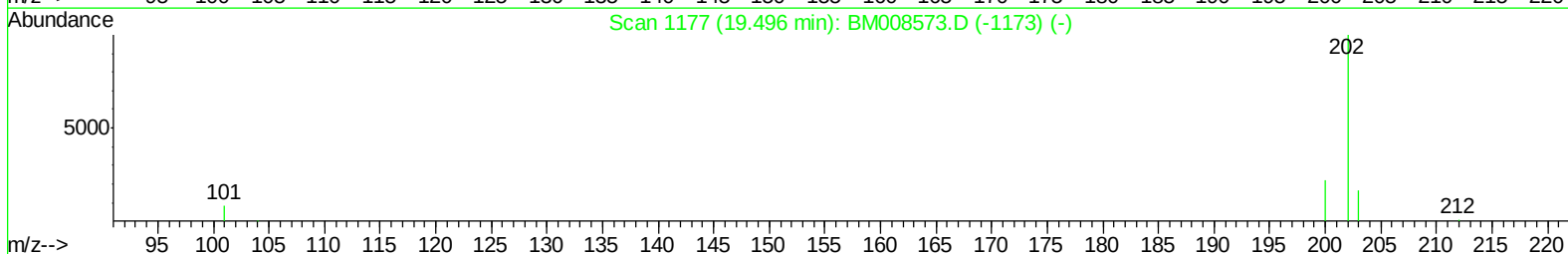
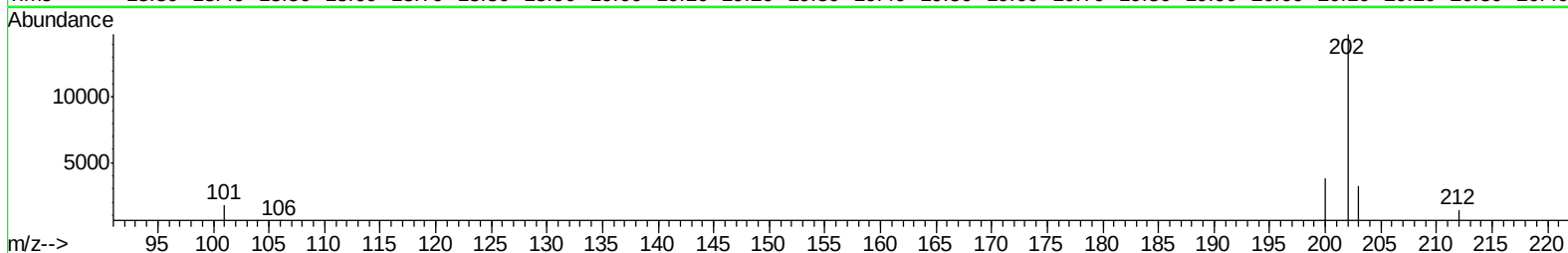
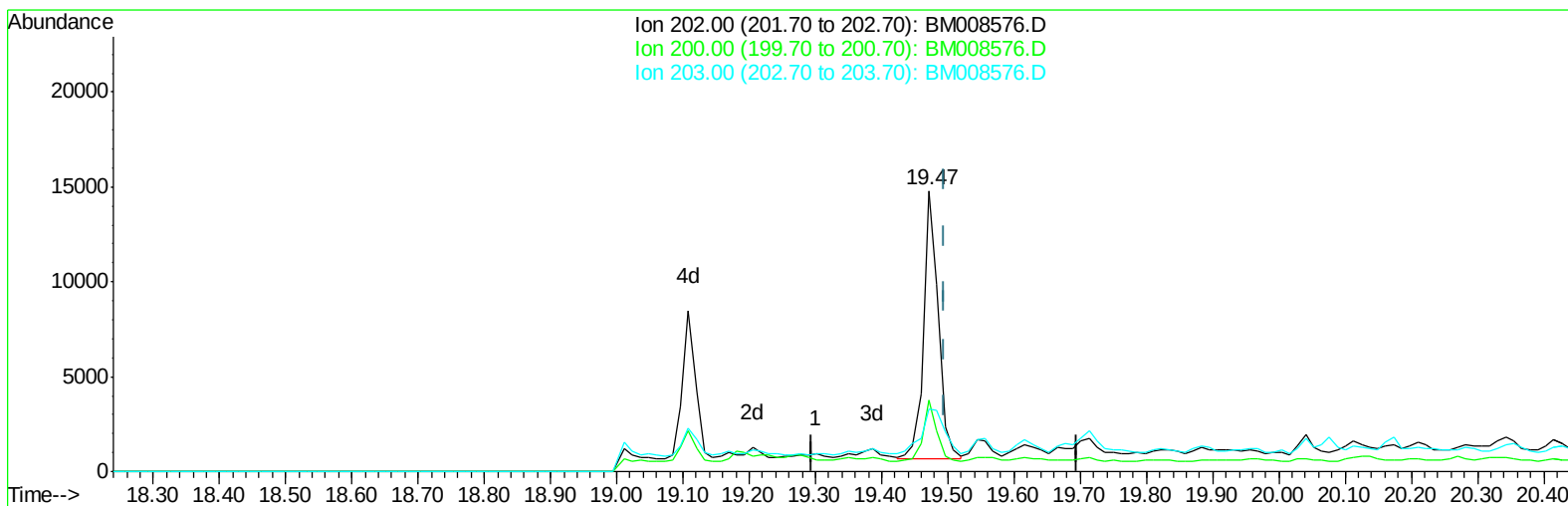
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(17) Pyrene

19.471min (-0.024) 2.91ng/ul m

response 21681

Ion	Exp%	Act%
202.00	100	100
200.00	22.80	25.53
203.00	19.50	22.12
0.00	0.00	0.00

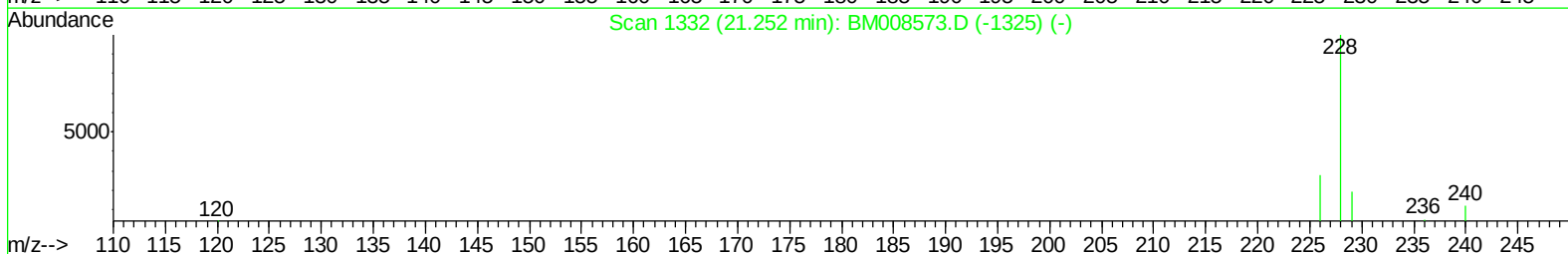
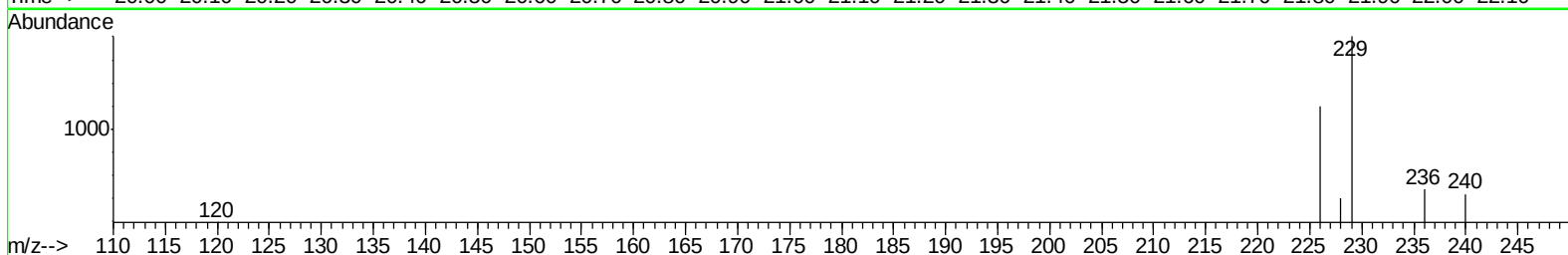
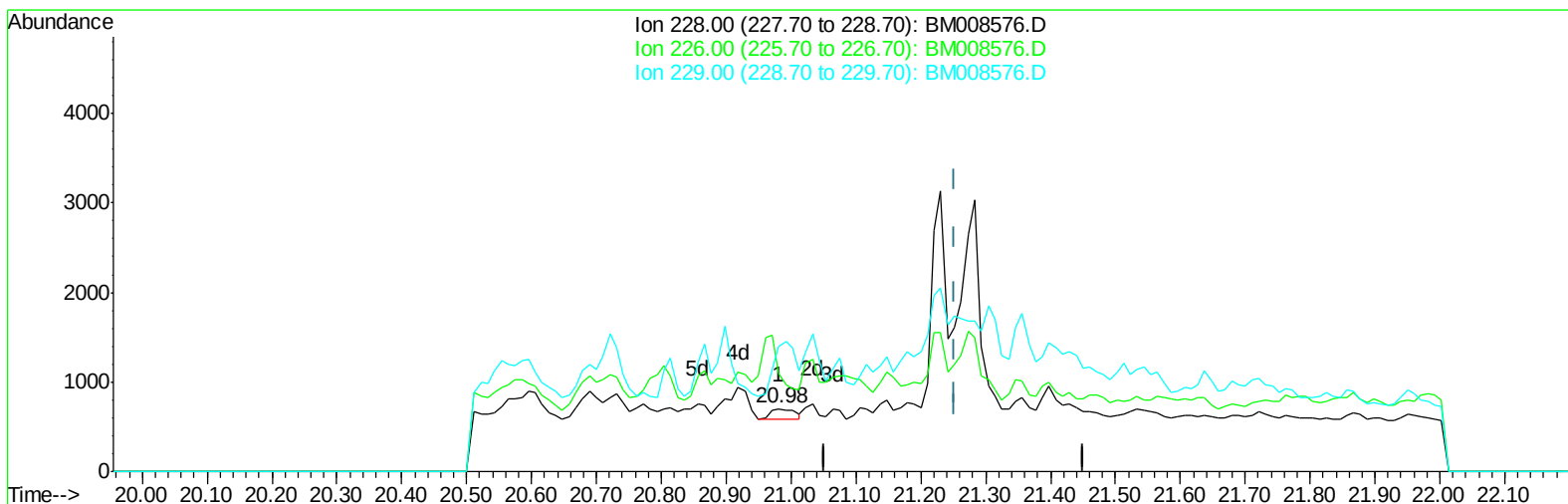
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(18) Benzo(a)anthracene
20.981min (-0.271) 0.05ng/ul
response 301

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	156.55#
229.00	21.30	199.72#
0.00	0.00	0.00

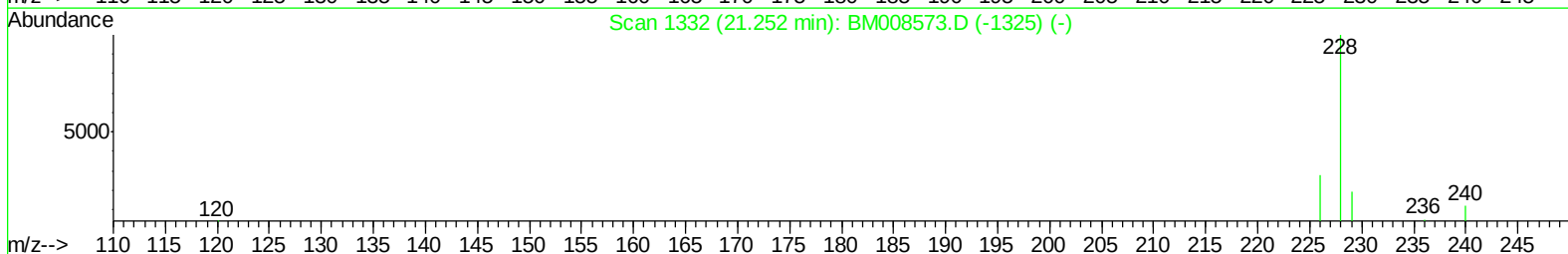
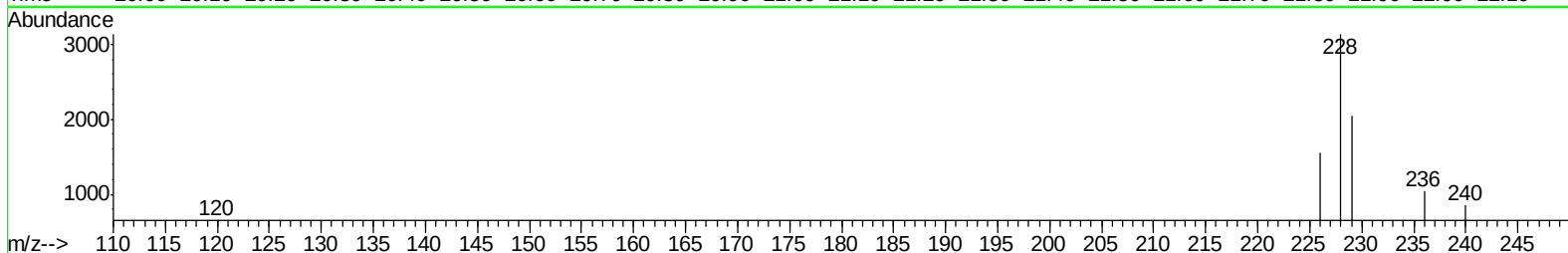
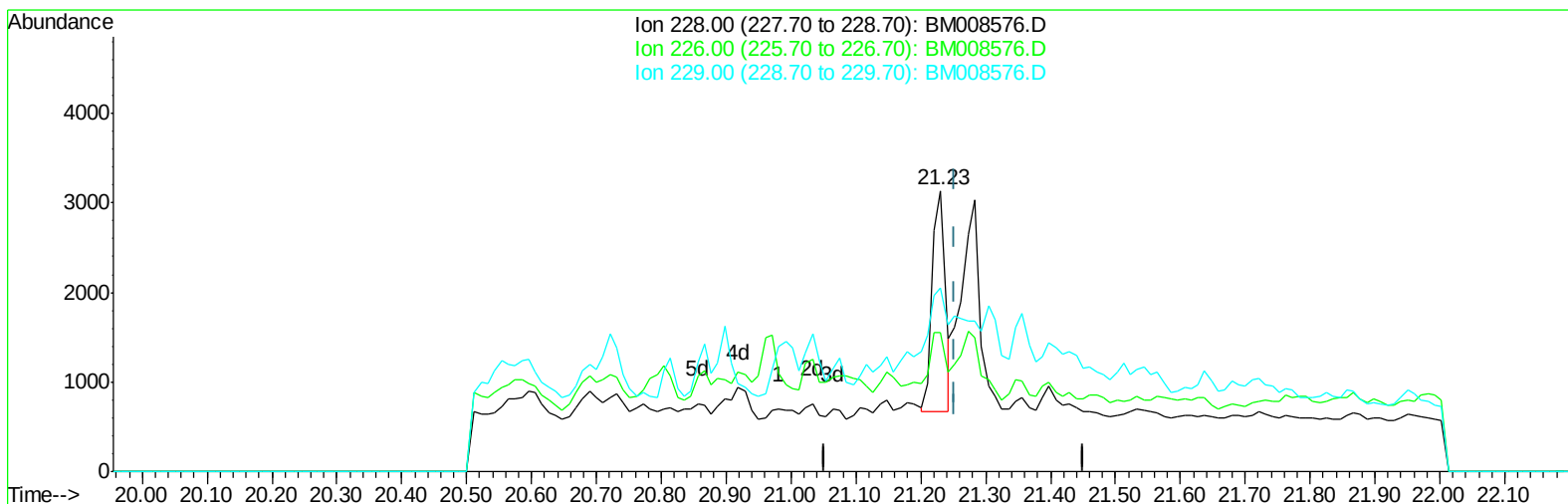
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(18) Benzo(a)anthracene

21.231min (-0.021) 0.55ng/ul m

response 3497

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	49.35#
229.00	21.30	65.37#
0.00	0.00	0.00

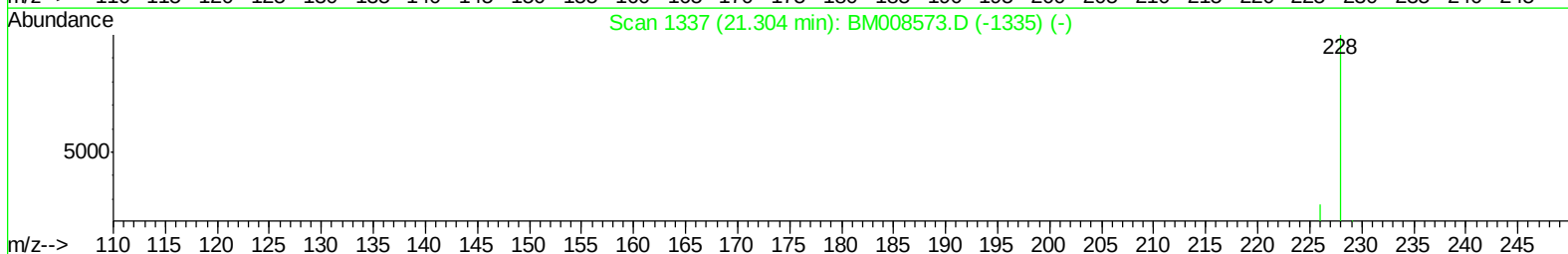
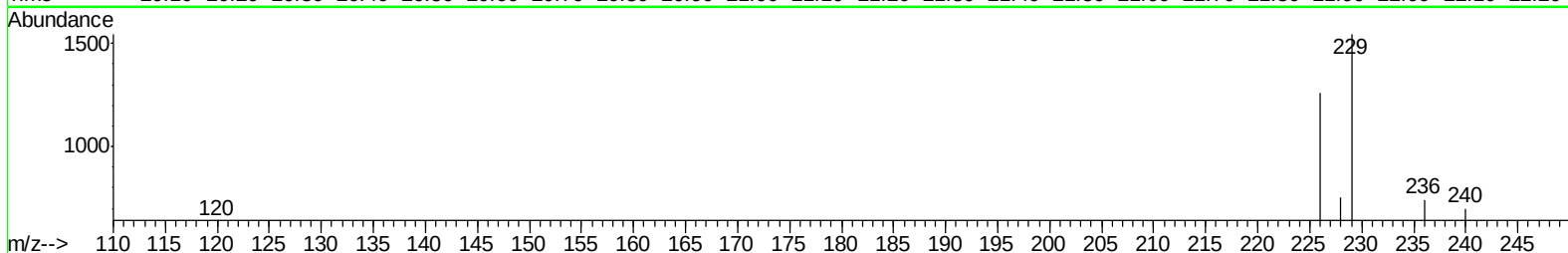
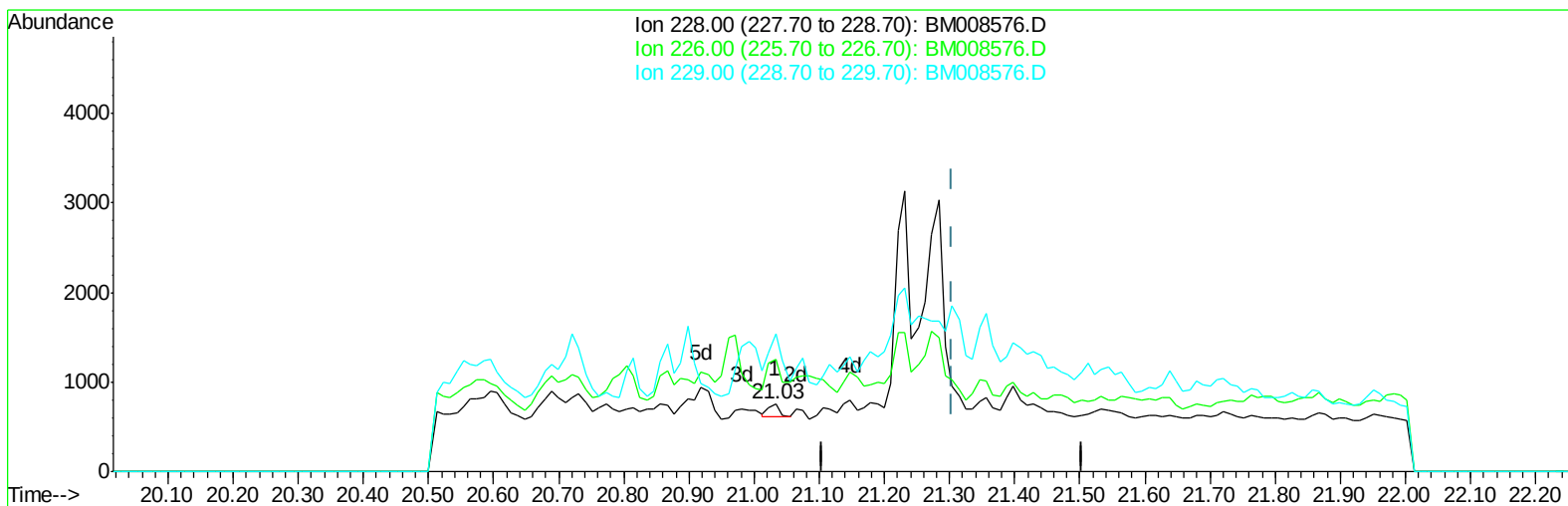
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(19) Chrysene

21.033min (-0.271) 0.02ng/ul

response 144

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	167.29#
229.00	22.10	205.32#
0.00	0.00	0.00

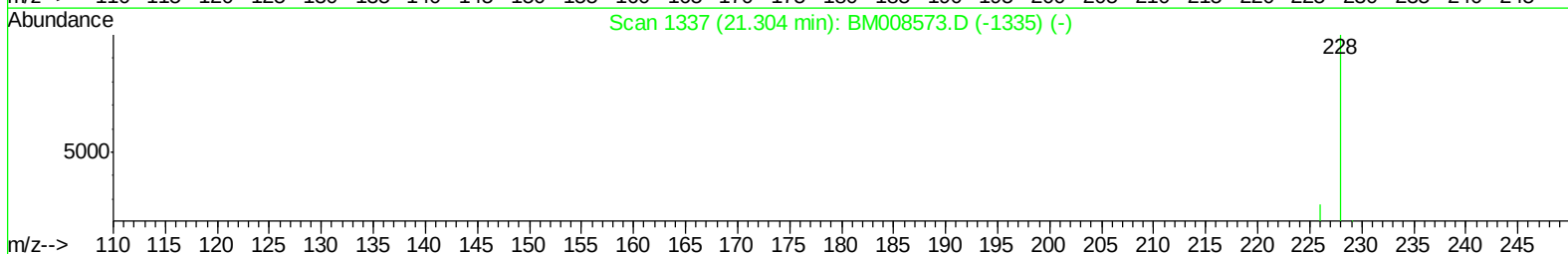
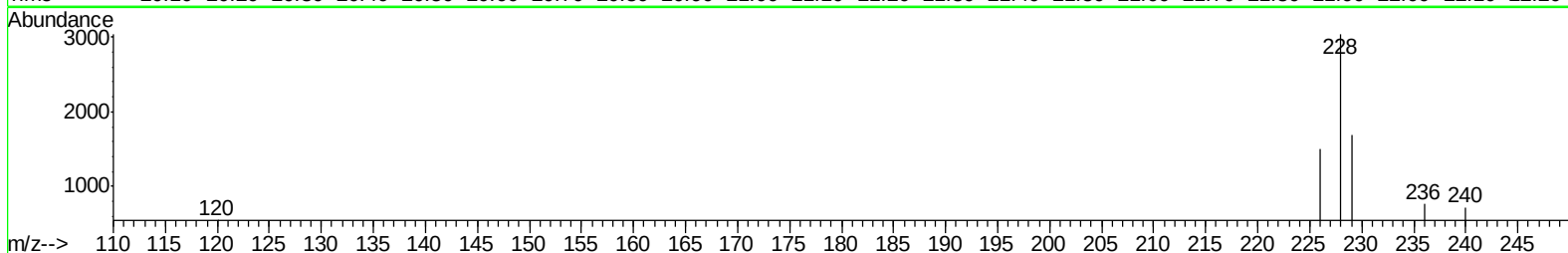
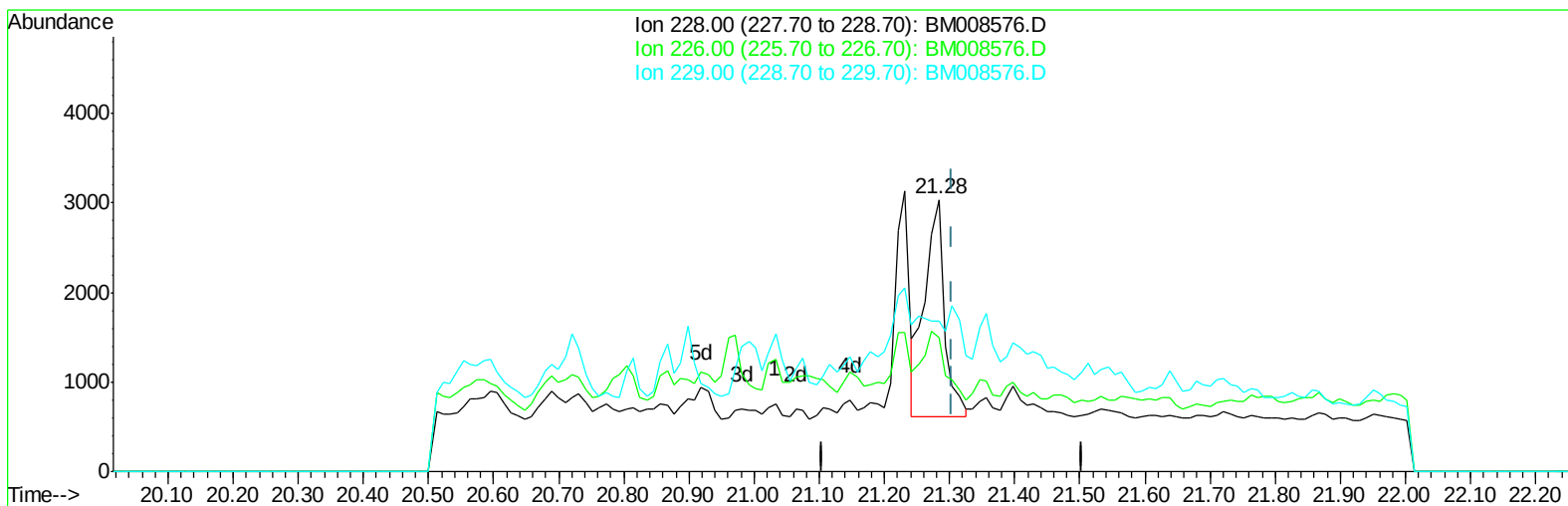
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(19) Chrysene

21.283min (-0.021) 0.74ng/ul m

response 5098

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	49.46#
229.00	22.10	55.45#
0.00	0.00	0.00

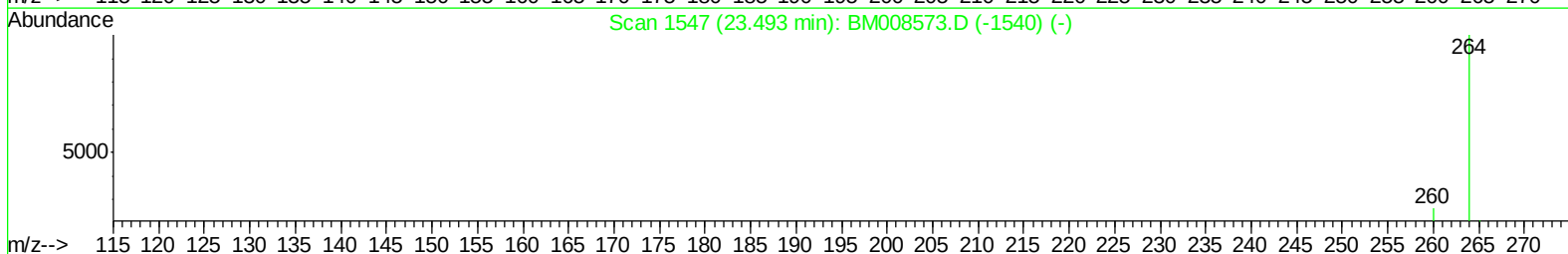
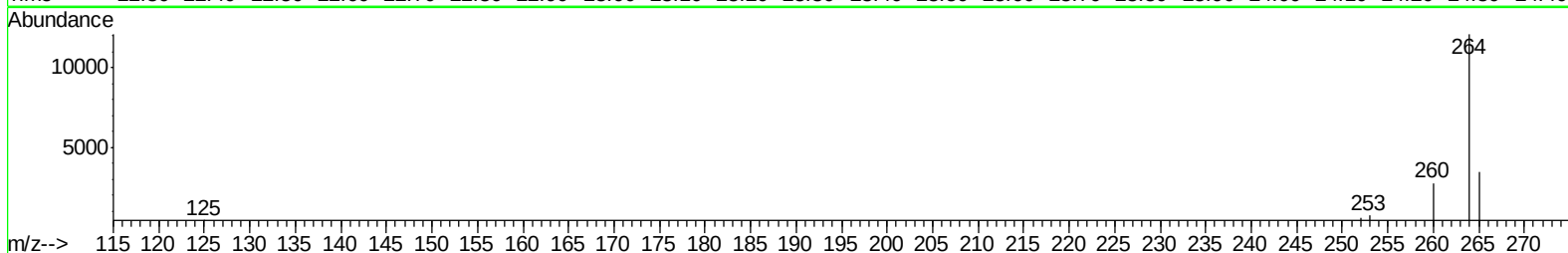
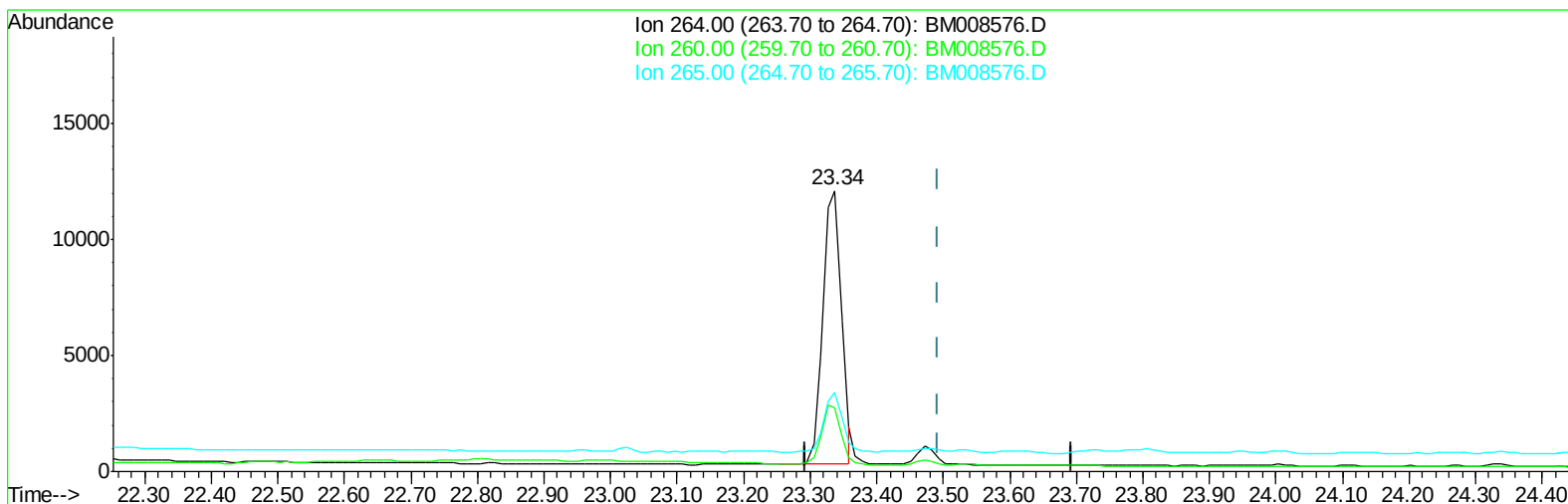
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(20) Perylene-d12 (I)

23.337min (-0.156) 0.40ng/ul

response 22662

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.77#
265.00	103.50	28.38#
0.00	0.00	0.00

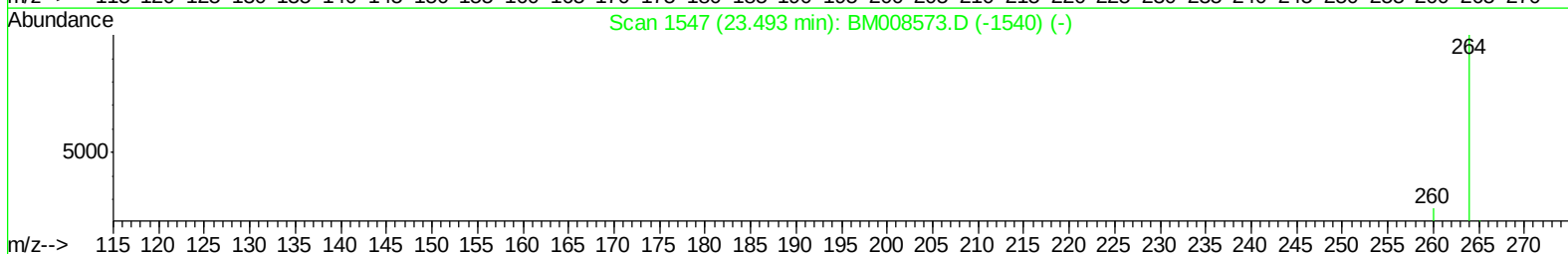
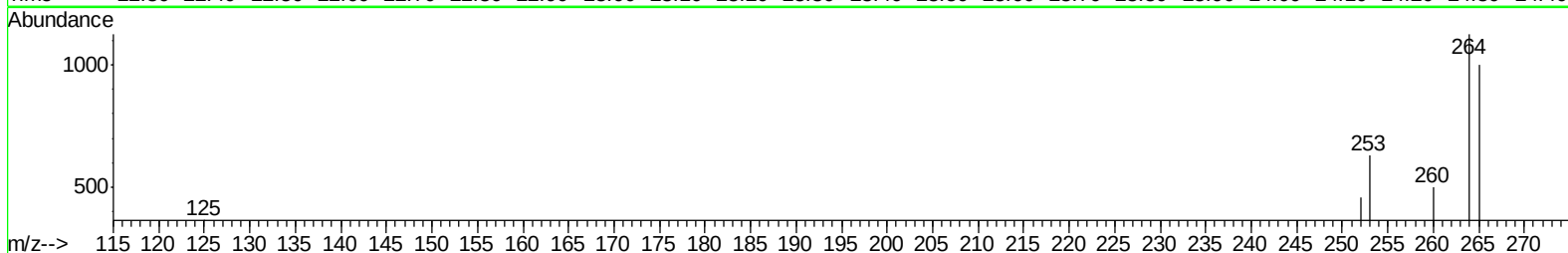
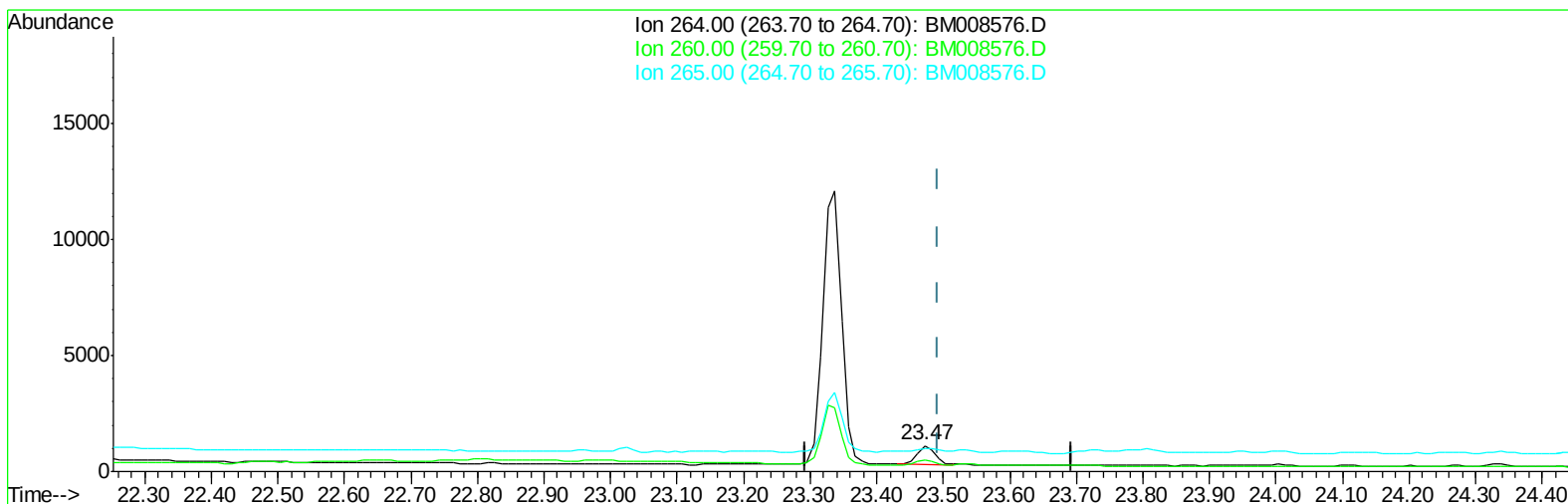
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
APPROVED

umangi
12/23/2016 6:12:06 PM

Quant Time: Dec 23 11:19:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(20) Perylene-d12 (I)

23.472min (-0.021) 0.40ng/ul m

response 1510

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	44.40#
265.00	103.50	89.06
0.00	0.00	0.00

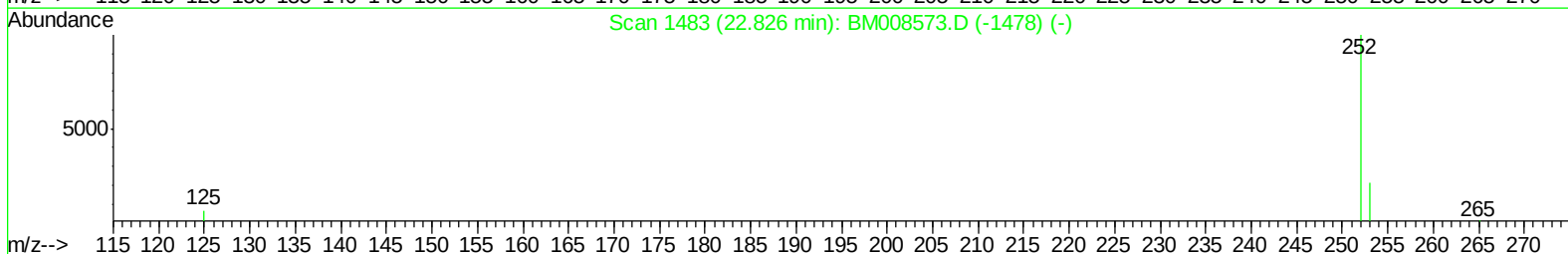
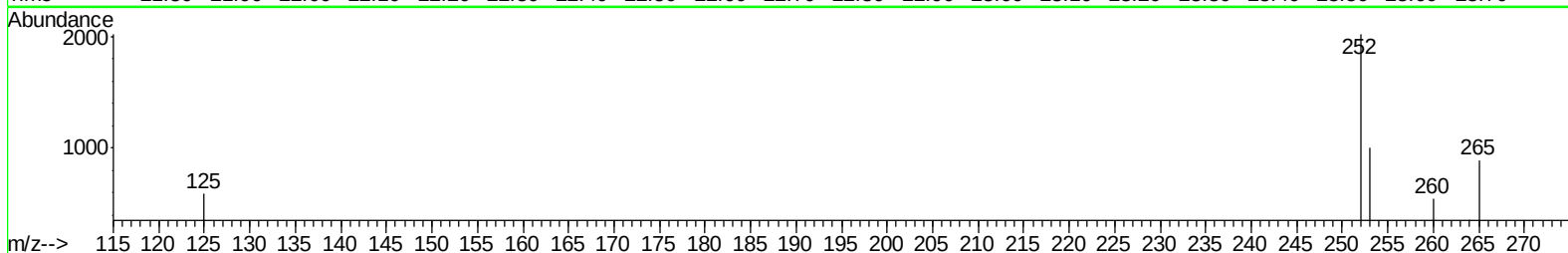
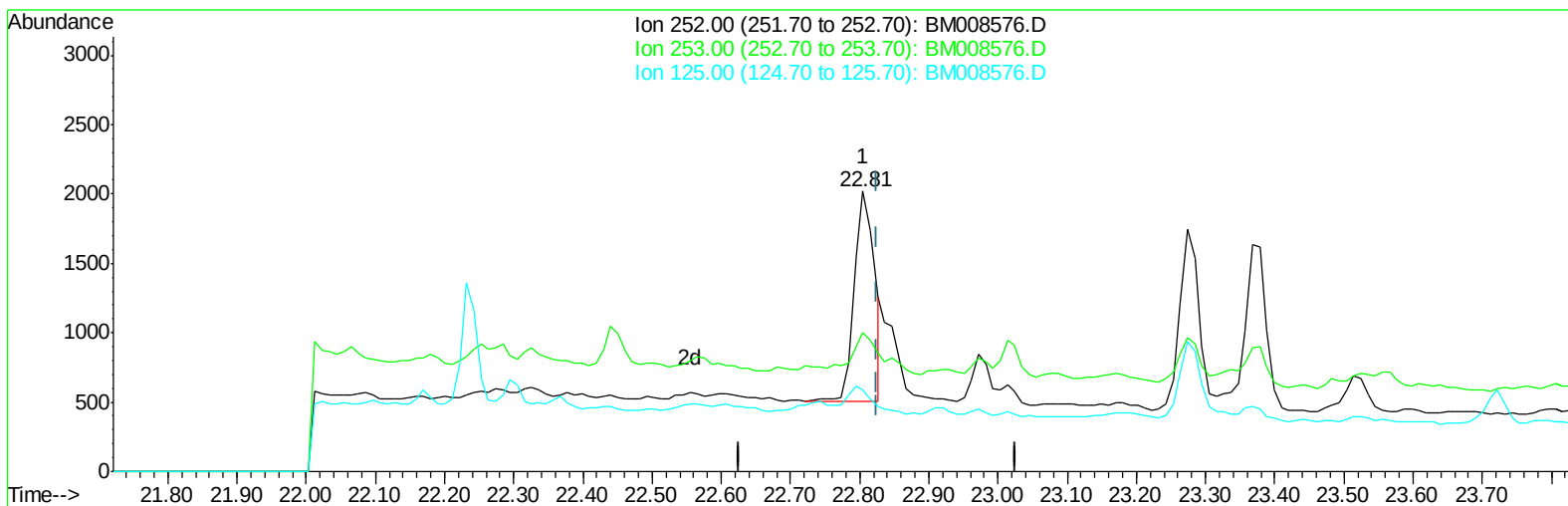
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Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration



TIC: BM008576.D

(21) Benzo(b)fluoranthene

22.805min (-0.021) 0.52ng/ul

response 3065

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	49.63
125.00	17.50	29.14
0.00	0.00	0.00

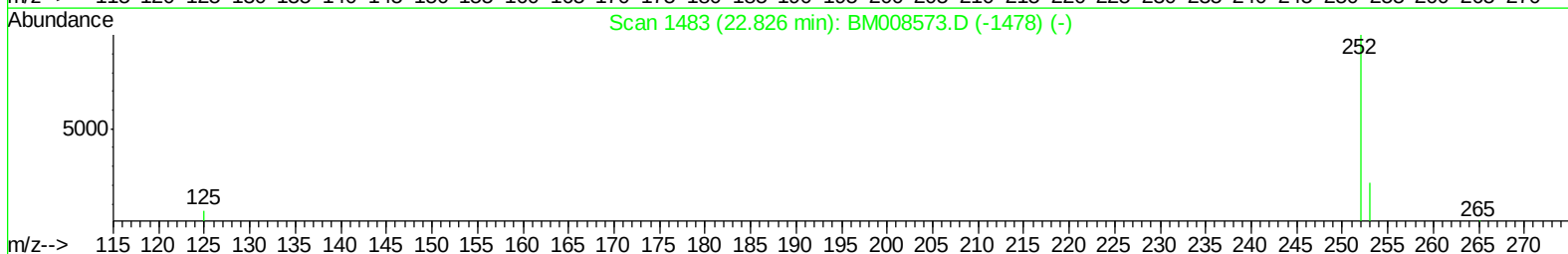
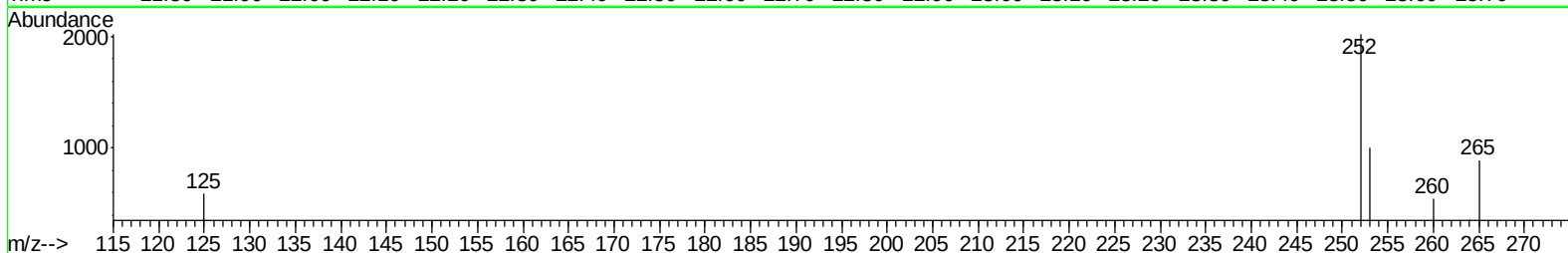
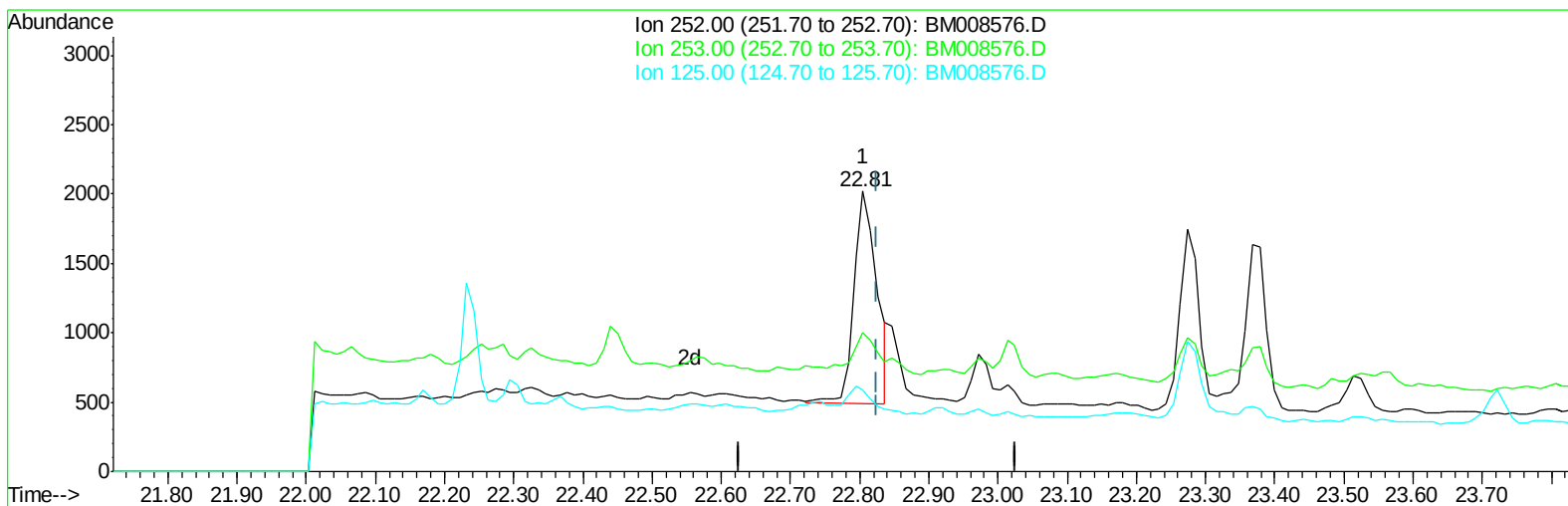
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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TIC: BM008576.D

(21) Benzo(b)fluoranthene

22.805min (-0.021) 0.60ng/ul m

response 3556

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	49.63
125.00	17.50	29.14
0.00	0.00	0.00

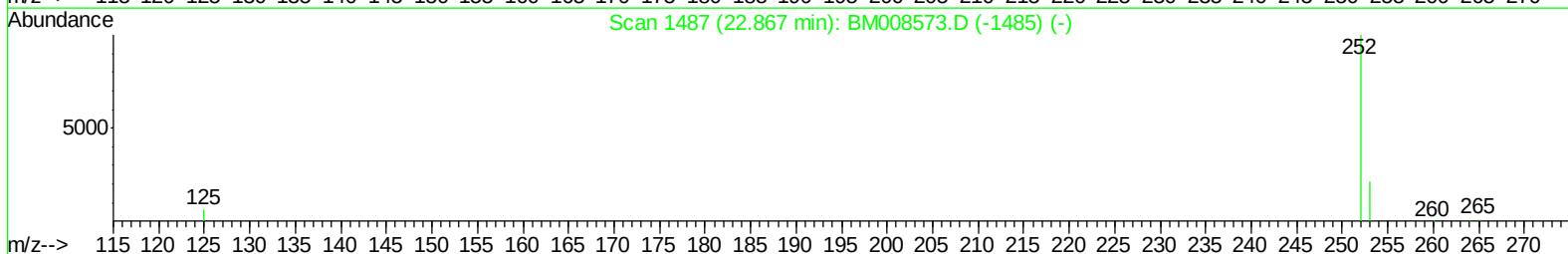
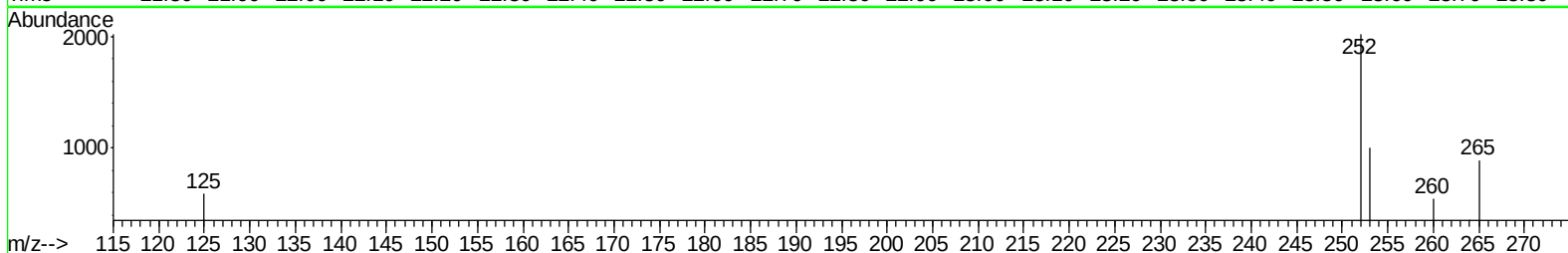
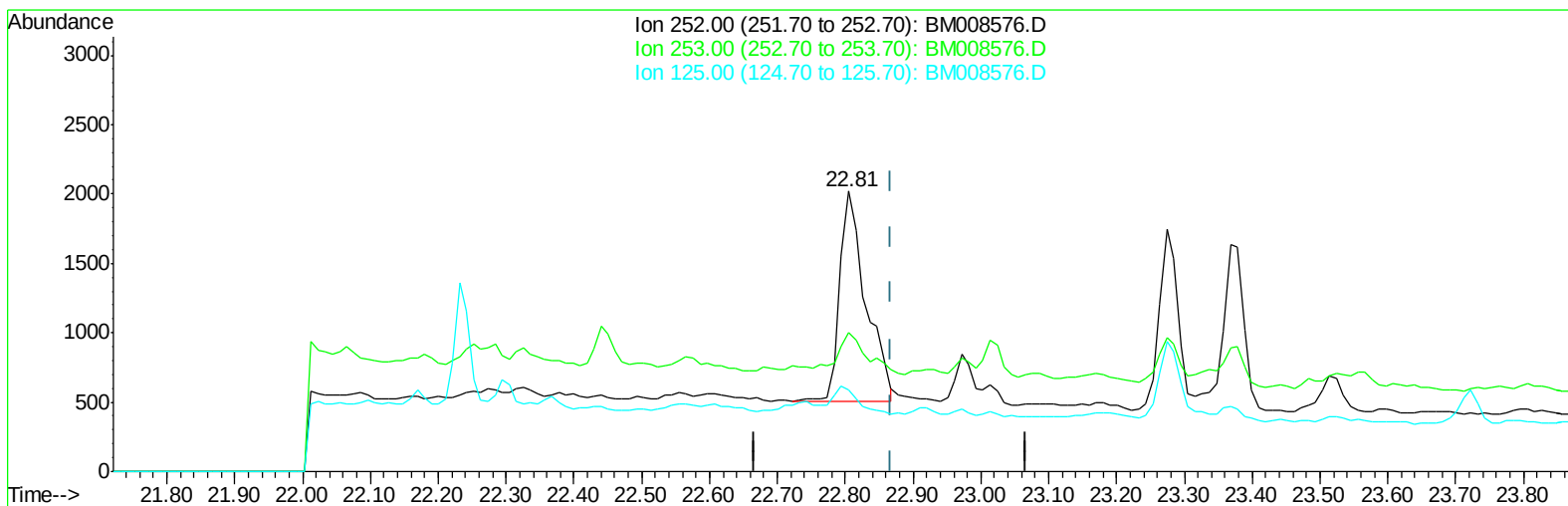
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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TIC: BM008576.D

(22) Benzo(k)fluoranthene

22.805min (-0.062) 0.69ng/ul

response 3993

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	49.63#
125.00	17.10	29.14#
0.00	0.00	0.00

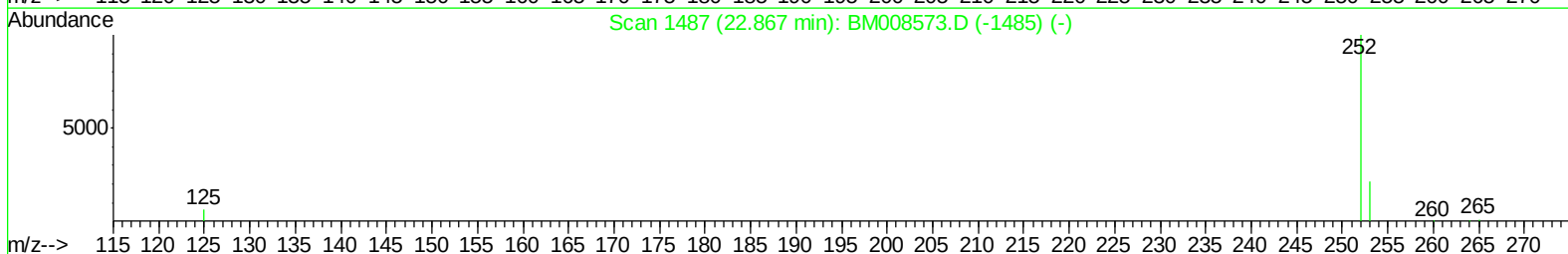
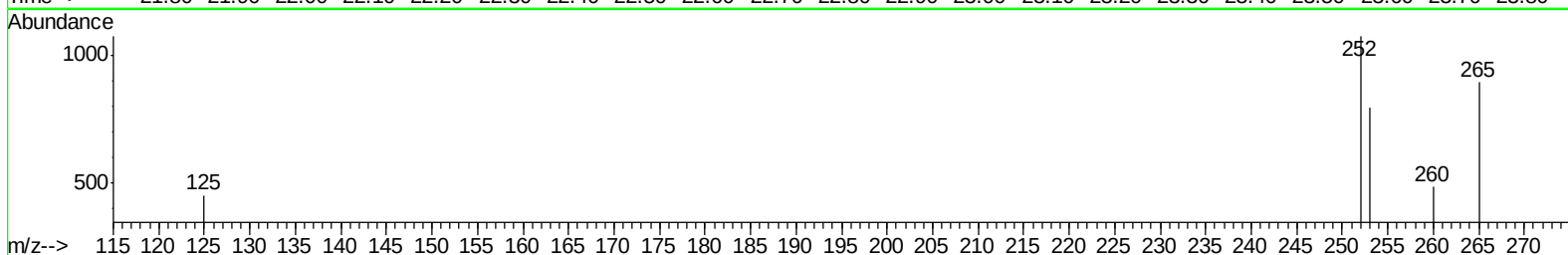
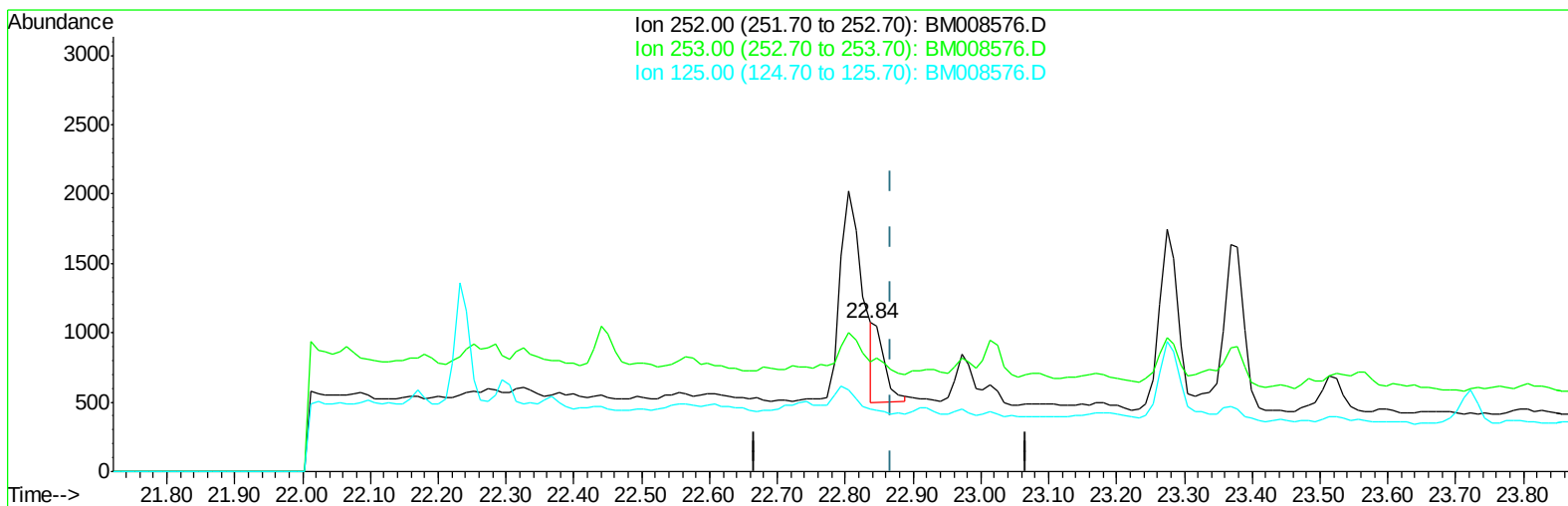
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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TIC: BM008576.D

(22) Benzo(k)fluoranthene

22.836min (-0.031) 0.11ng/ul m

response 658

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	73.97#
125.00	17.10	42.16#
0.00	0.00	0.00

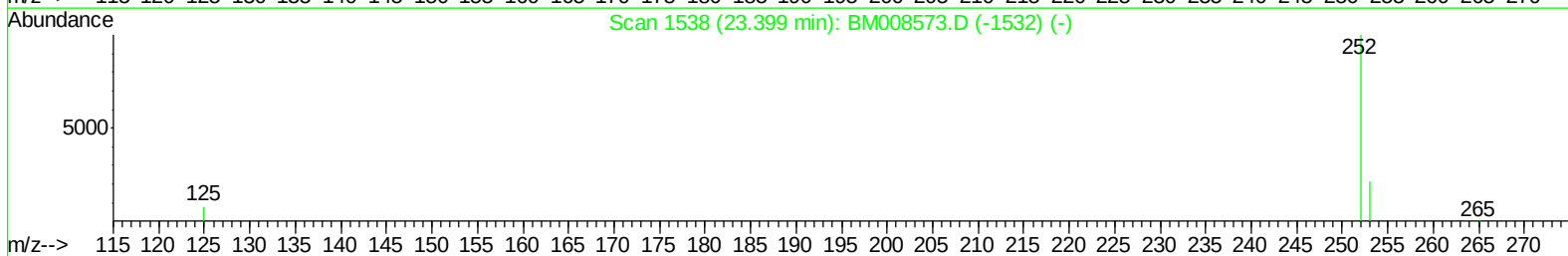
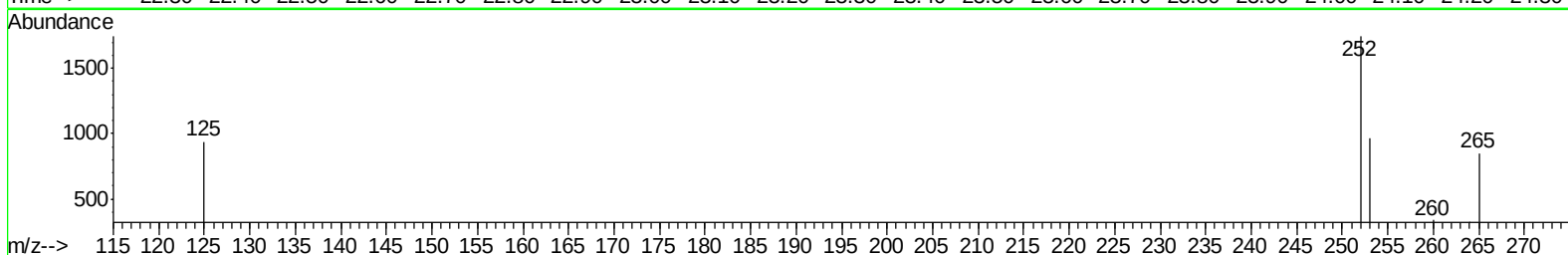
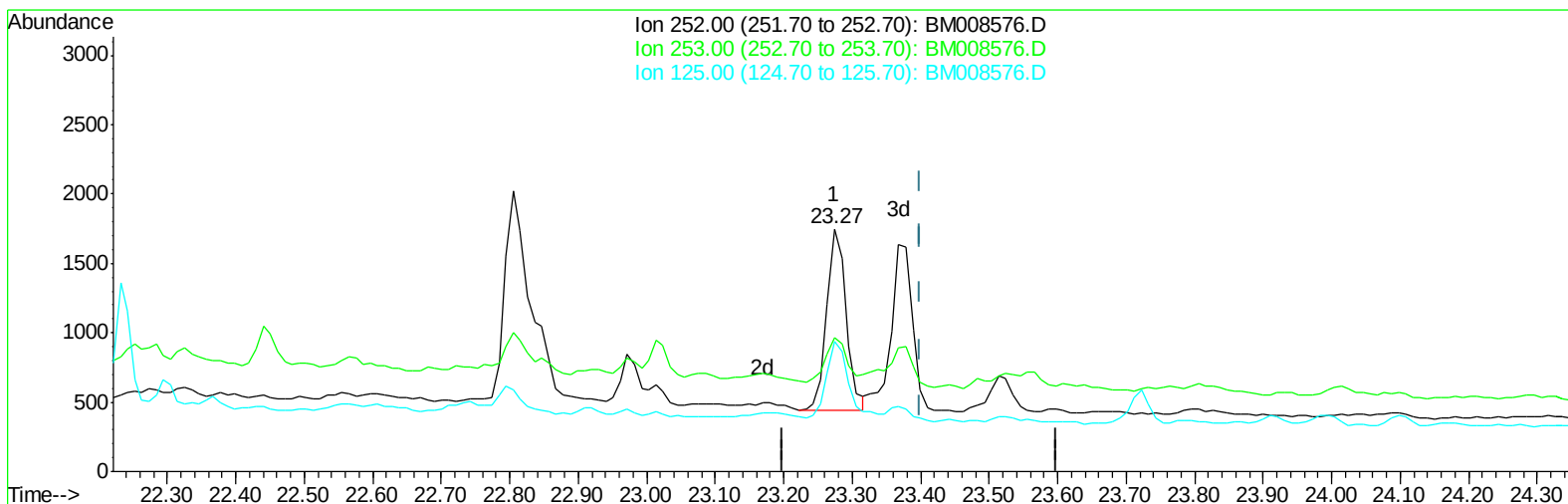
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
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TIC: BM008576.D

(23) Benzo(a)pyrene (C)

23.274min (-0.125) 0.46ng/ul

response 2554

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	55.38#
125.00	22.60	53.78#
0.00	0.00	0.00

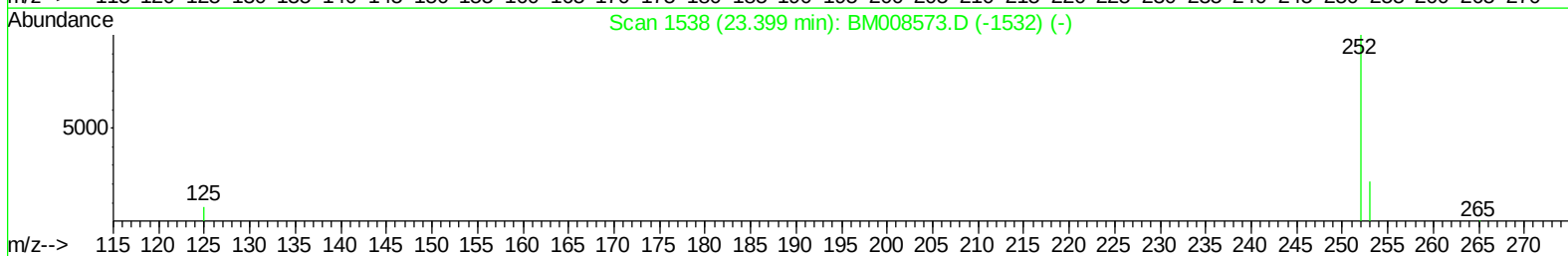
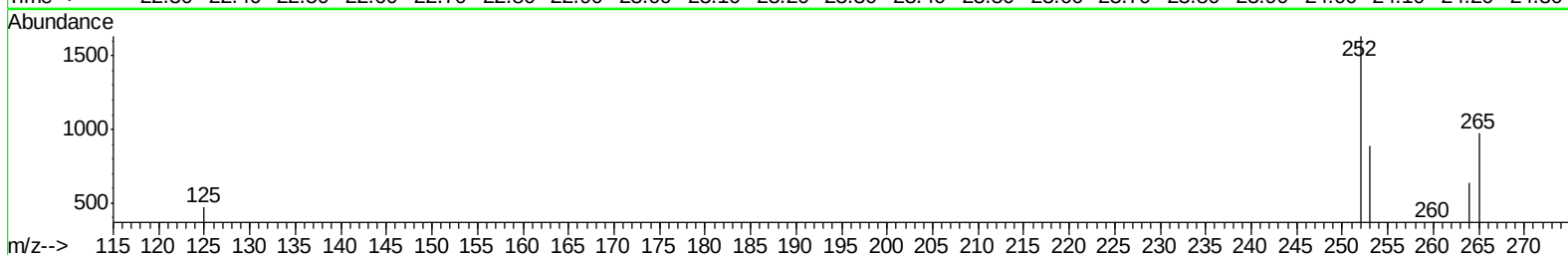
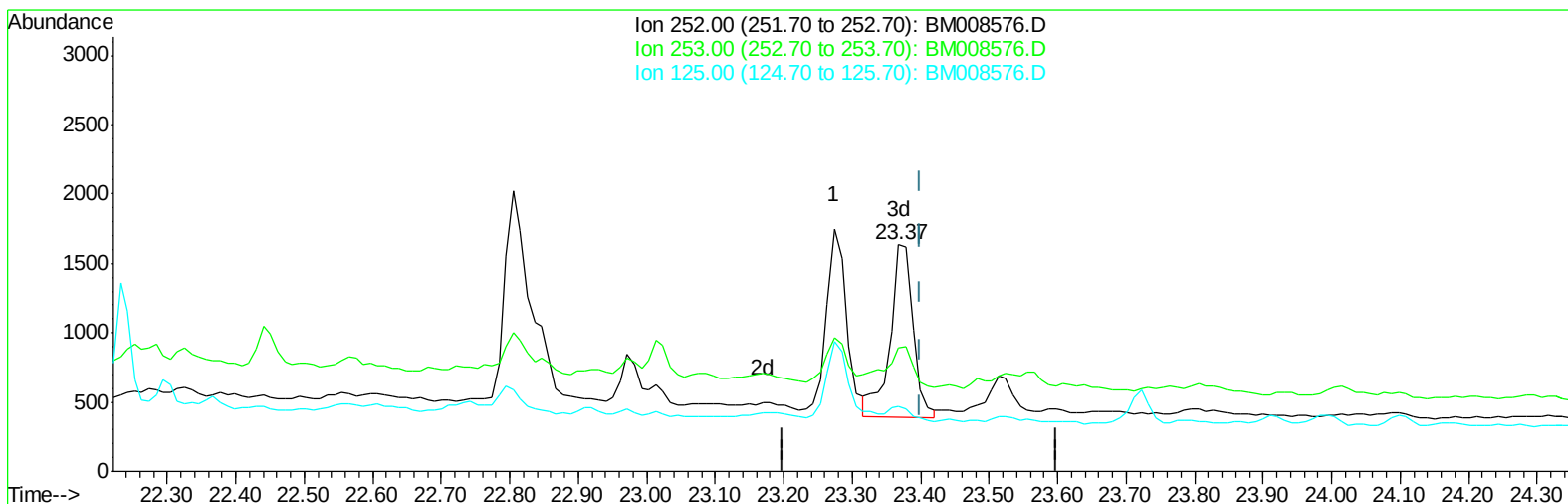
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BM008576.D

(23) Benzo(a)pyrene (C)

23.368min (-0.031) 0.53ng/ul m

response 2904

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	54.50#
125.00	22.60	28.90#
0.00	0.00	0.00

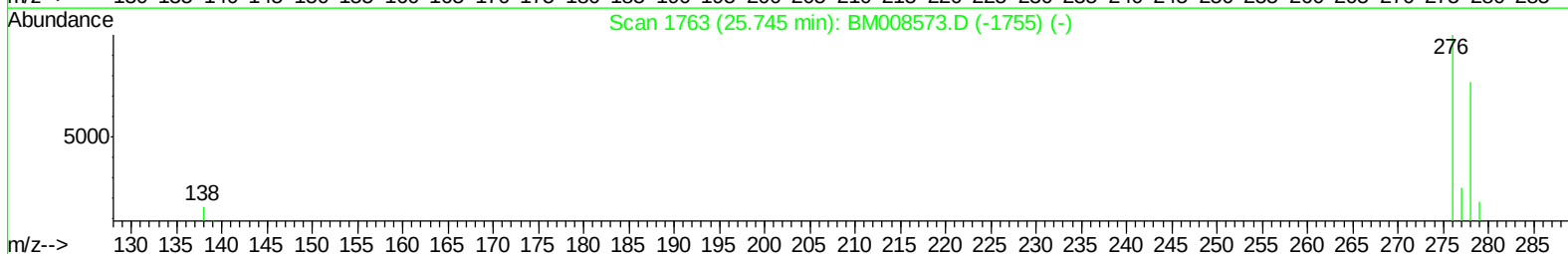
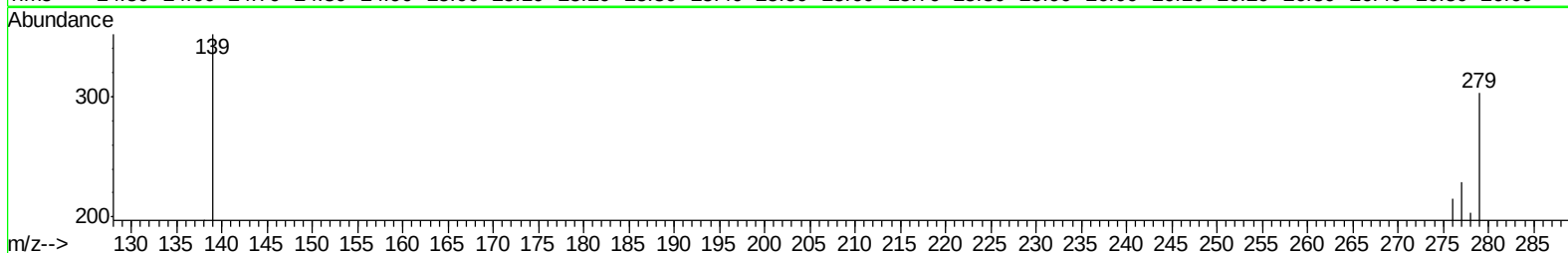
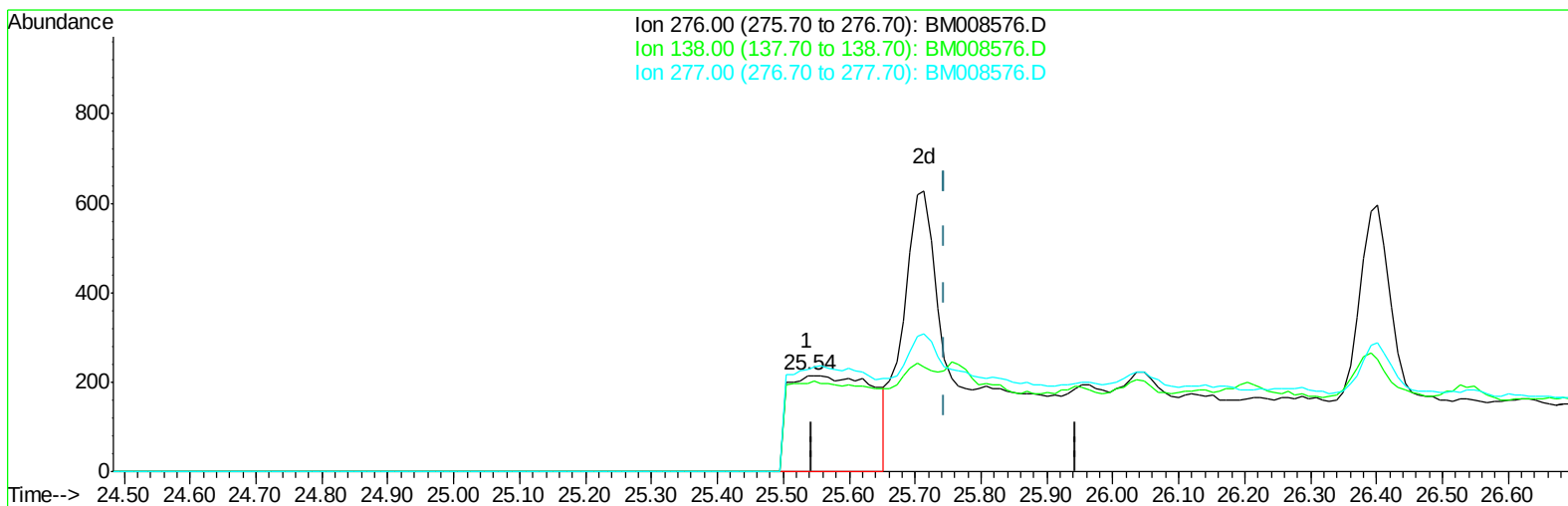
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 Data File : BM008576.D
 Acq On : 23 Dec 2016 03:28
 Operator : UM/SJ
 Sample : H5970-22DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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Quant Time: Dec 23 11:21:25 2016
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TIC: BM008576.D

(24) Indeno(1,2,3-cd)pyrene

25.536min (-0.208) 0.29ng/ul

response 1911

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

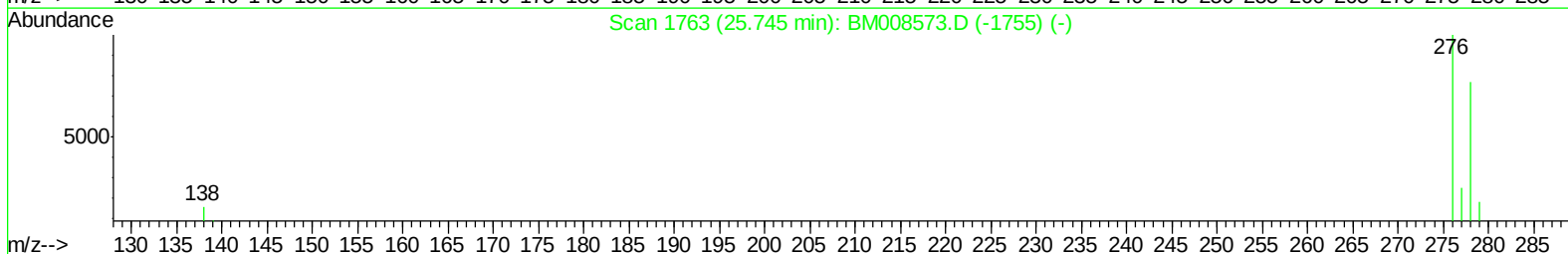
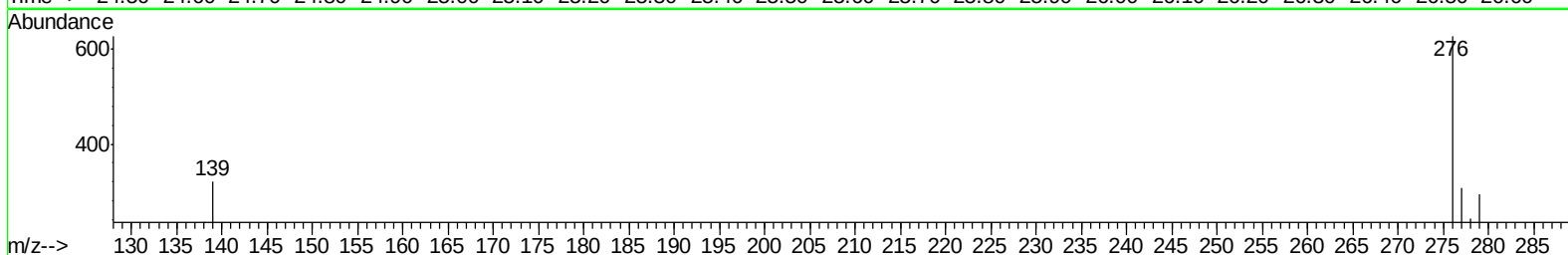
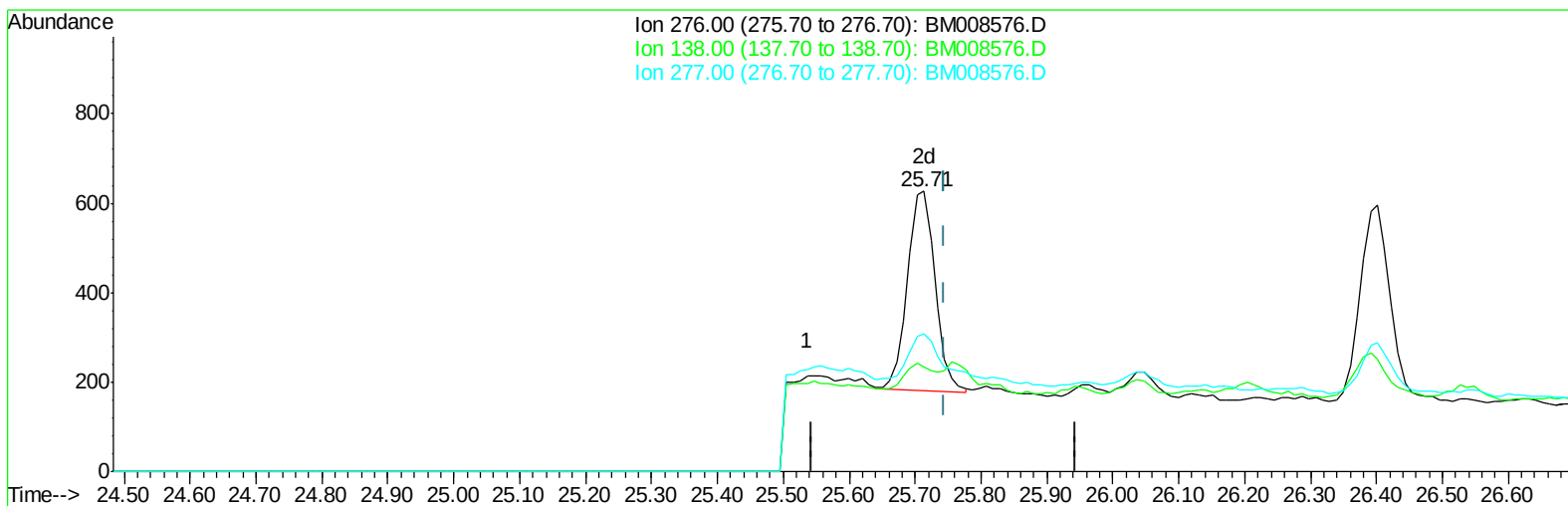
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
Acq On : 23 Dec 2016 03:28
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Time: Dec 23 11:21:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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TIC: BM008576.D

(24) Indeno(1,2,3-cd)pyrene
25.713min (-0.031) 0.20ng/ul m
response 1305

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

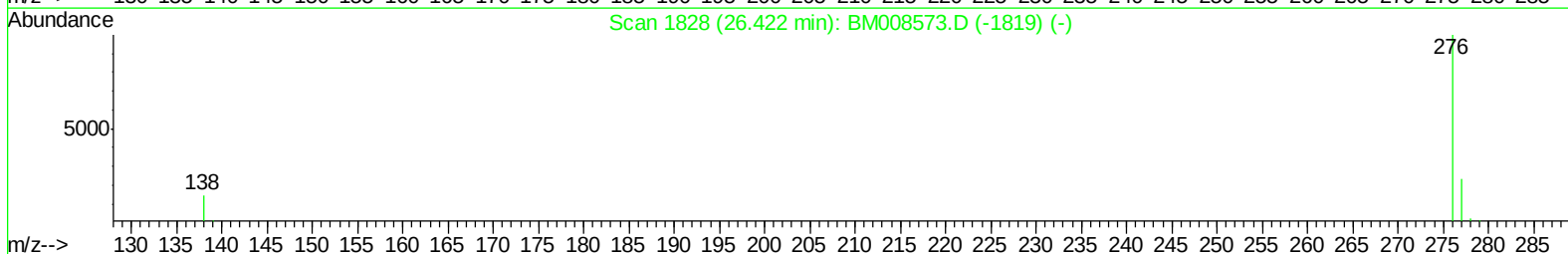
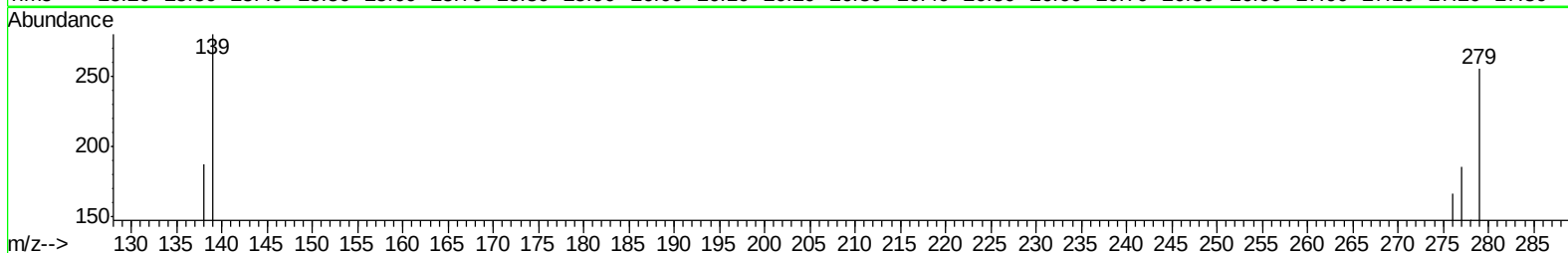
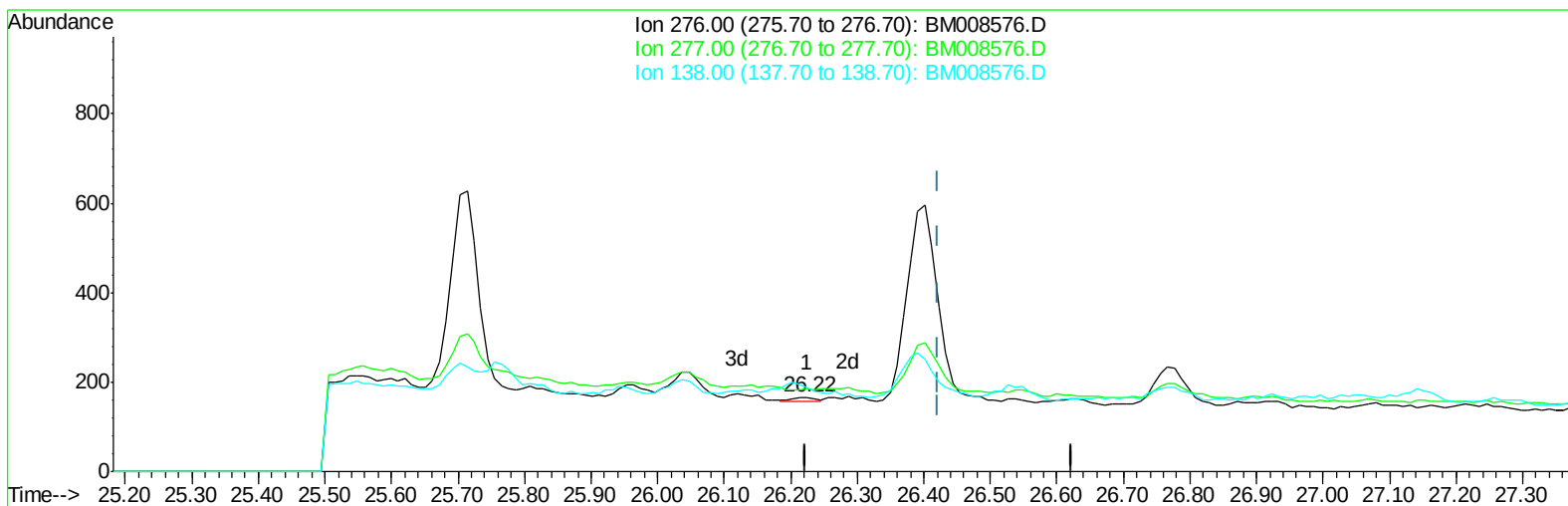
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
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Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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TIC: BM008576.D

(26) Benzo(g,h,i)perylene

26.224min (-0.198) 0.00ng/ul

response 20

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	111.45#
138.00	25.60	112.65#
0.00	0.00	0.00

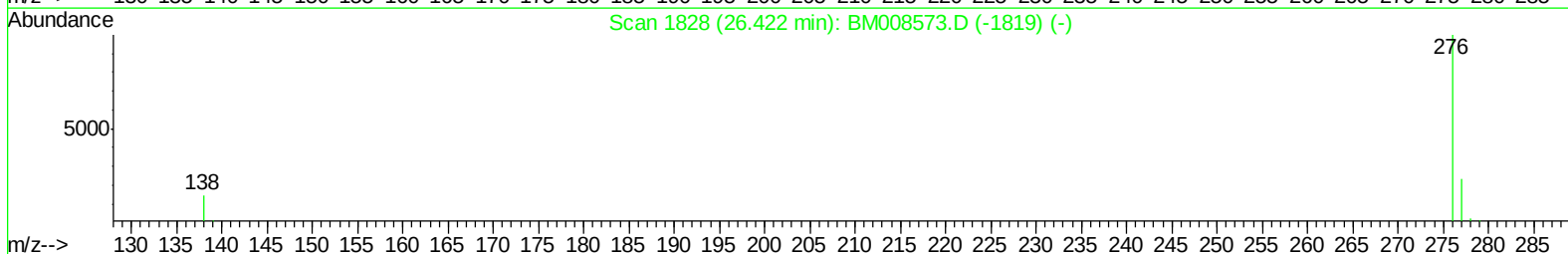
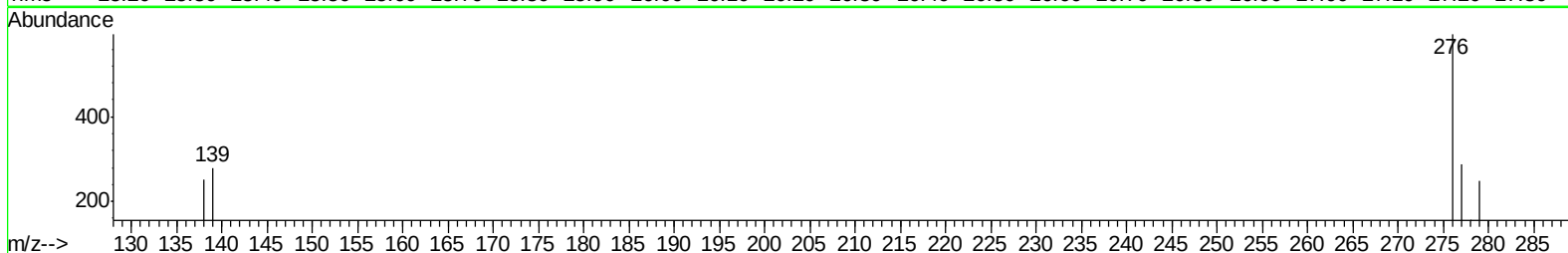
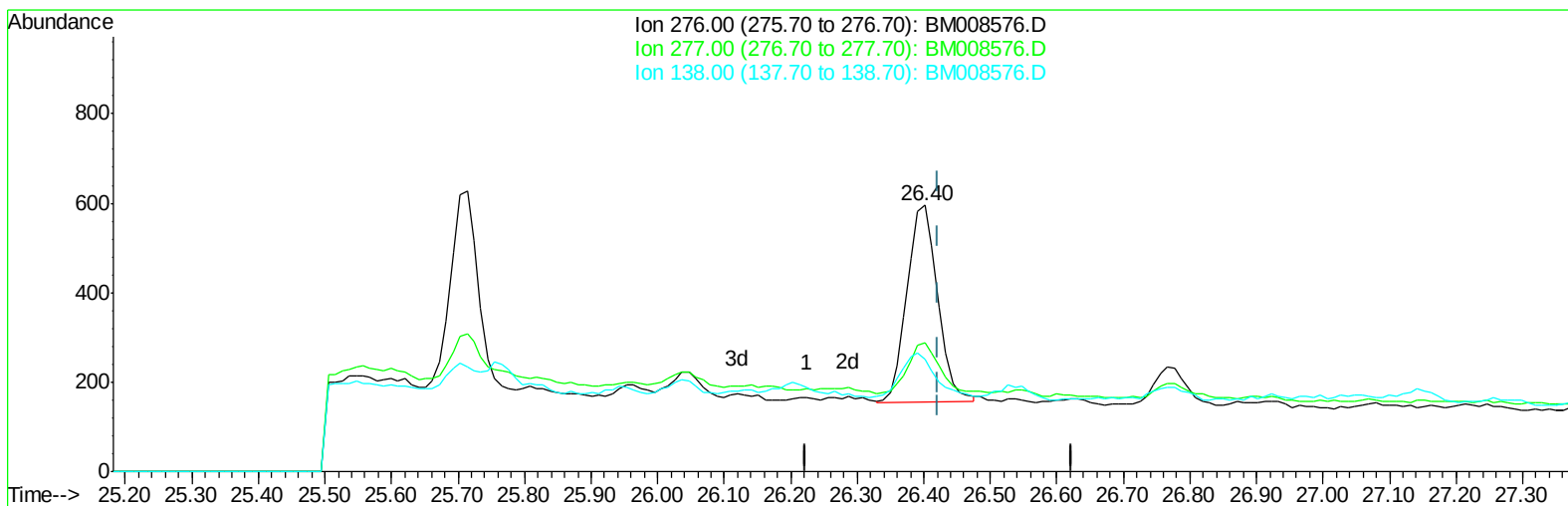
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008576.D
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Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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TIC: BM008576.D

(26) Benzo(g,h,i)perylene

26.401min (-0.021) 0.25ng/ul m

response 1419

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	48.24#
138.00	25.60	42.18#
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	398	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.42	136	1346	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.28	164	1201m	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1590m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.25	240	1925m	0.40	ng/ul	-0.02
20) Perylene-d12	23.47	264	1510m	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	143m	0.07	ng/ul	-0.08
14) Fluoranthene-d10	19.12	212	1273m	0.29	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	4293	1.13	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	10992	4.31	ng/ul	99
8) Acenaphthene	14.35	153	6101m	1.49	ng/ul	
9) Fluorene	15.34	166	12886m	2.76	ng/ul	
12) Phenanthrene	17.07	178	31612m	6.51	ng/ul	
15) Fluoranthene	19.11	202	10903m	1.83	ng/ul	
17) Pyrene	19.47	202	21681m	2.91	ng/ul	
18) Benzo(a)anthracene	21.23	228	3497m	0.55	ng/ul	
19) Chrysene	21.28	228	5098m	0.74	ng/ul	
21) Benzo(b)fluoranthene	22.81	252	3556m	0.60	ng/ul	
22) Benzo(k)fluoranthene	22.84	252	658m	0.11	ng/ul	
23) Benzo(a)pyrene	23.37	252	2904m	0.53	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.71	276	1305m	0.20	ng/ul	
26) Benzo(g,h,i)perylene	26.40	276	1419m	0.25	ng/ul	

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

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