

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112316\  
 Data File : BM008060.D  
 Acq On : 24 Nov 2016 06:45  
 Operator : UM/SJ  
 Sample : H5701-20  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WF4

Quant Time: Nov 25 00:23:20 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 24 04:11:15 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 814      | 0.40 | ng/ul | -0.03    |
| 2) Naphthalene-d8         | 10.49 | 136  | 2872     | 0.40 | ng/ul | -0.02    |
| 6) Acenaphthene-d10       | 14.35 | 164  | 1724     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.19 | 188  | 208734   | 0.40 | ng/ul | 0.09     |
| 16) Chrysene-d12          | 21.29 | 240  | 3196     | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.39 | 264  | 165006   | 0.40 | ng/ul | -0.16    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.09 | 152  | 1145     | 0.28 | ng/ul | -0.03    |
| 14) Fluoranthene-d10        | 19.13 | 212  | 2554     | 0.00 | ng/ul | -0.01    |

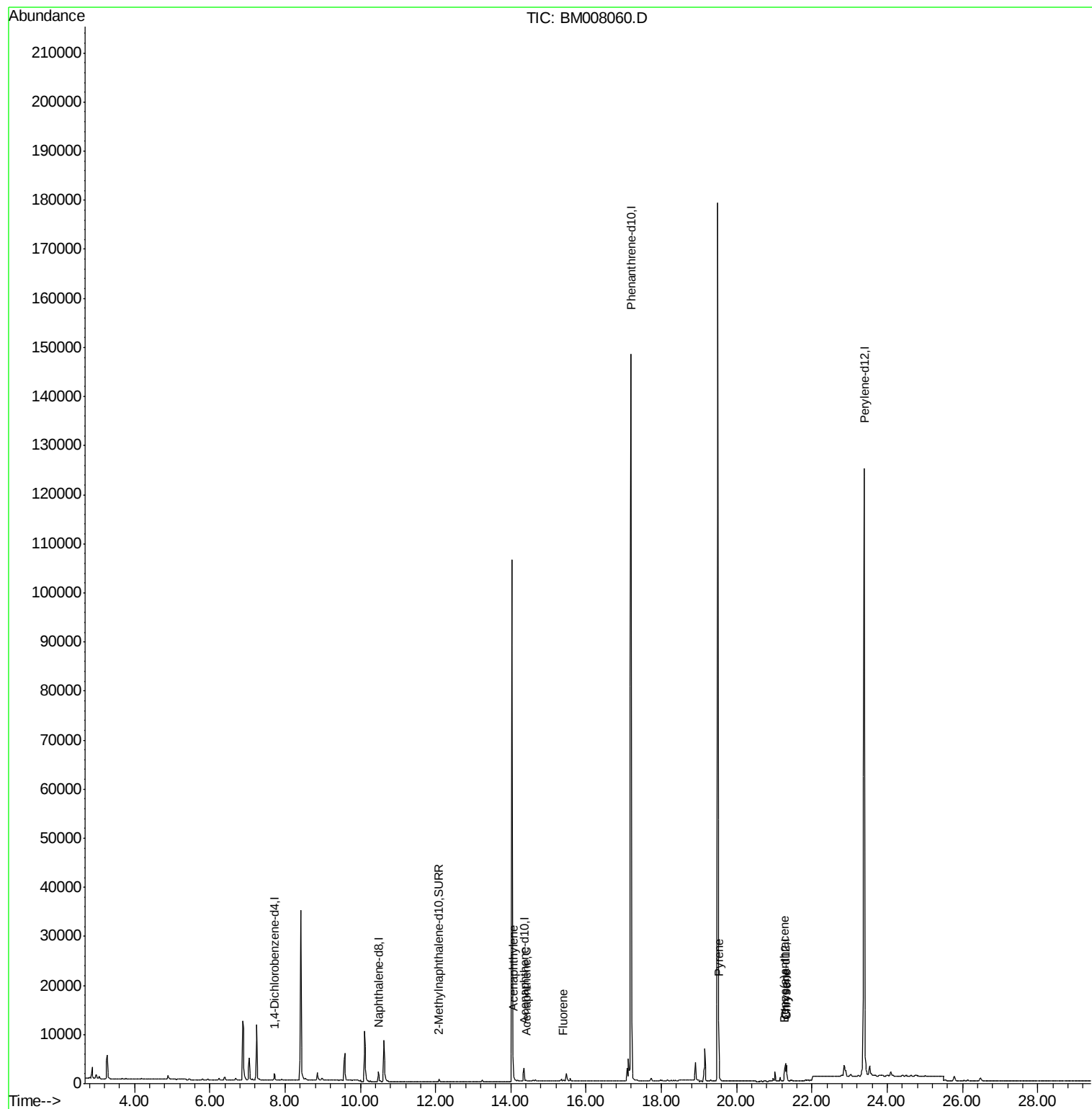
| Target Compounds       | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|------------------------|-------|------|----------|------|--------|--------|
| 7) Acenaphthylene      | 14.06 | 152  | 458      | 0.06 | ng/ul# | 76     |
| 8) Acenaphthene        | 14.40 | 153  | 151      | 0.03 | ng/ul# | 89     |
| 9) Fluorene            | 15.39 | 166  | 191      | 0.03 | ng/ul# | 72     |
| 17) Pyrene             | 19.52 | 202  | 9105     | 0.82 | ng/ul  | 98     |
| 18) Benzo(a)anthracene | 21.27 | 228  | 2244     | 0.23 | ng/ul  | 92     |
| 19) Chrysene           | 21.33 | 228  | 3304     | 0.27 | ng/ul  | 94     |

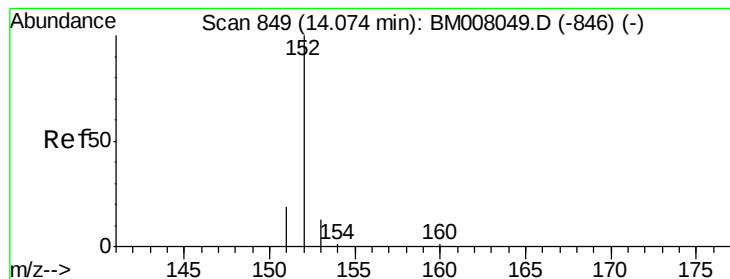
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 24 04:11:15 2016  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008060.D

Acq: 24 Nov 2016 06:45

Instrument :

BNA\_M

ClientSampleId :

A4WF4

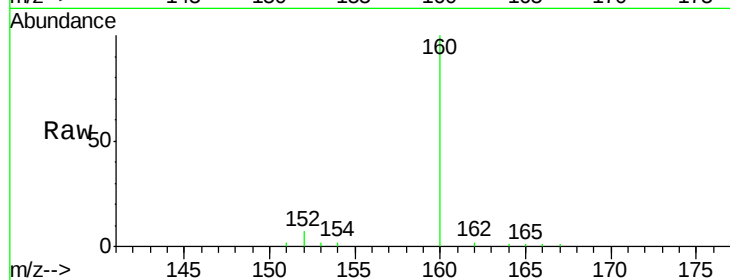
Tgt Ion:152 Resp: 458

Ion Ratio Lower Upper

152 100

151 32.1 17.1 25.7#

153 26.8 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.06

300

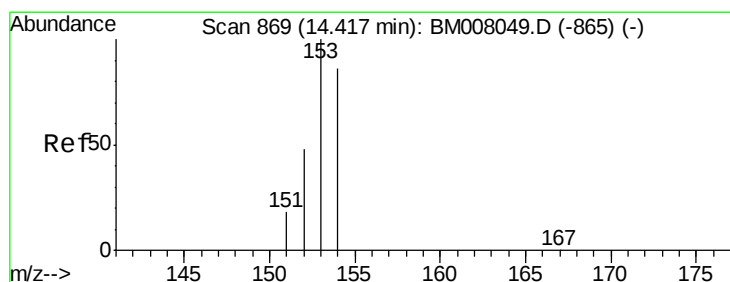
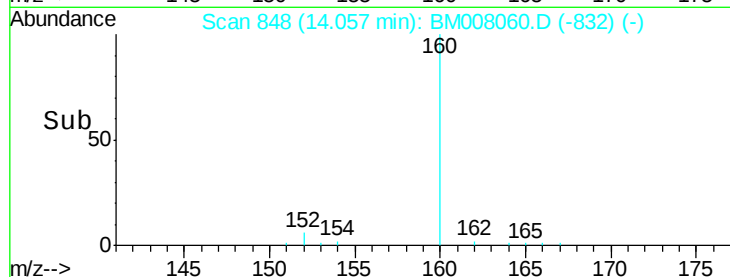
200

100

0

Time-->

13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.02 min

Lab File: BM008060.D

Acq: 24 Nov 2016 06:45

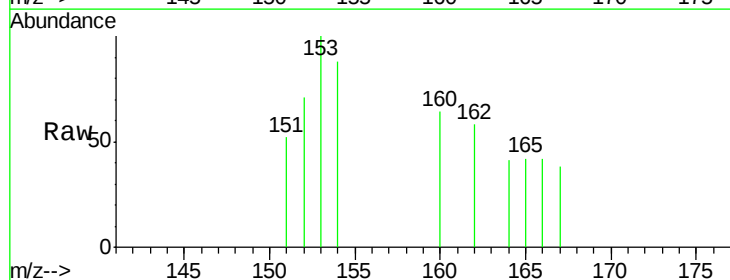
Tgt Ion:153 Resp: 151

Ion Ratio Lower Upper

153 100

152 70.7 40.3 60.5#

154 88.0 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.40

150

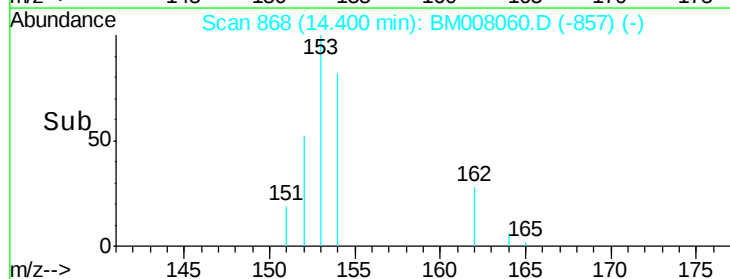
100

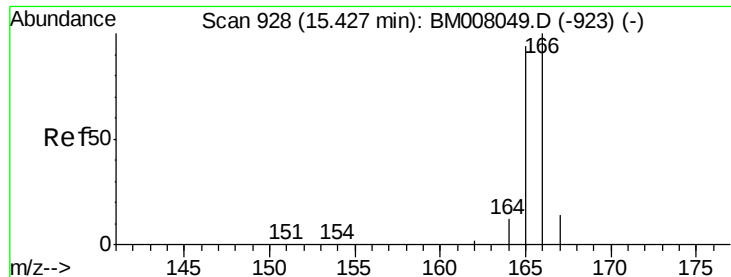
50

0

Time-->

14.30 14.40 14.50





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.03 min

Lab File: BM008060.D

Acq: 24 Nov 2016 06:45

Instrument :

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ClientSampleId :

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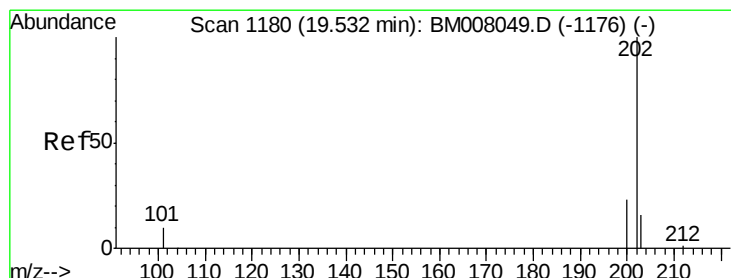
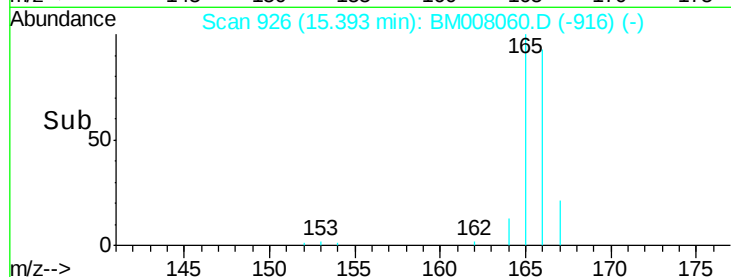
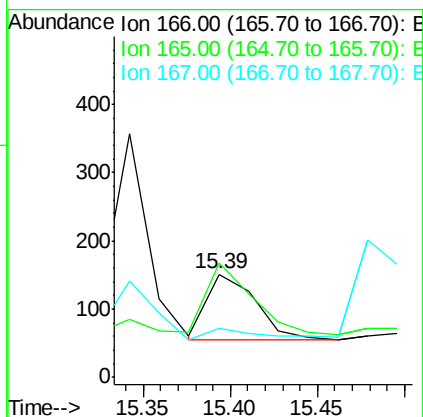
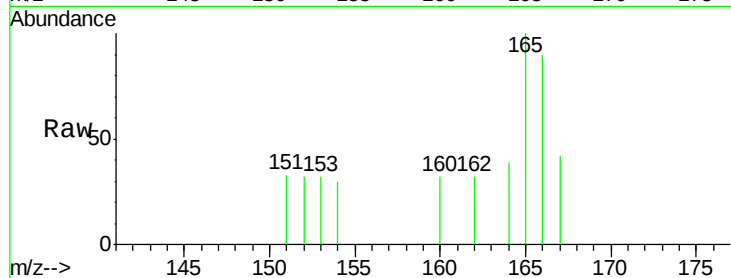
Tgt Ion:166 Resp: 191

Ion Ratio Lower Upper

166 100

165 111.3 73.4 110.2#

167 47.0 14.6 22.0#



#17

Pyrene

Concen: 0.82 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008060.D

Acq: 24 Nov 2016 06:45

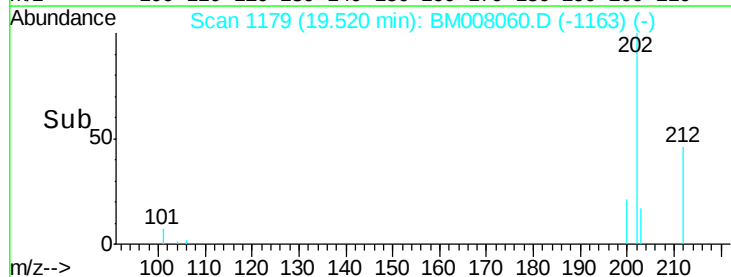
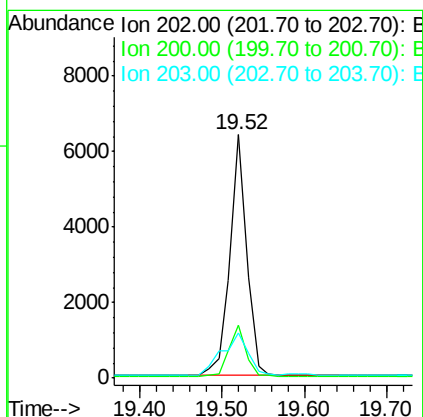
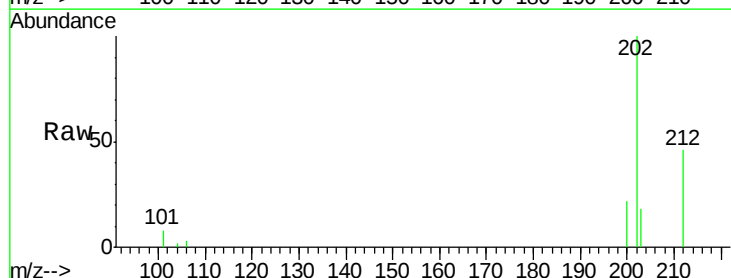
Tgt Ion:202 Resp: 9105

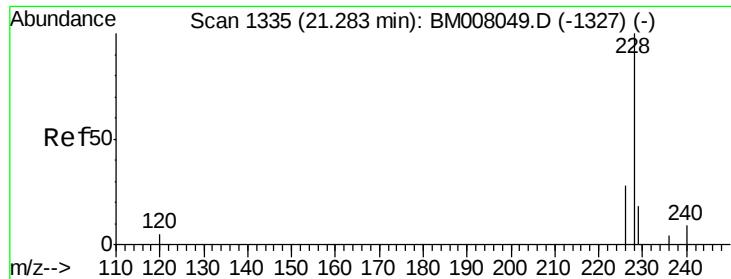
Ion Ratio Lower Upper

202 100

200 21.7 18.2 27.4

203 18.3 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.23 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008060.D

Acq: 24 Nov 2016 06:45

Instrument :

BNA\_M

ClientSampleId :

A4WF4

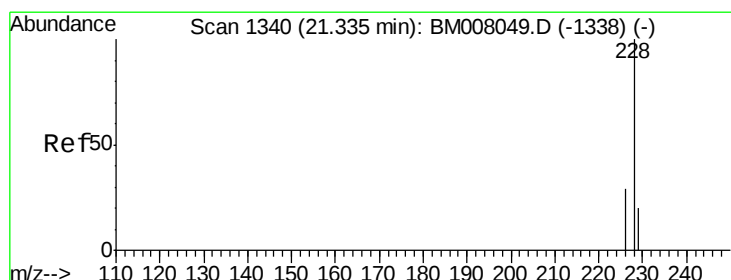
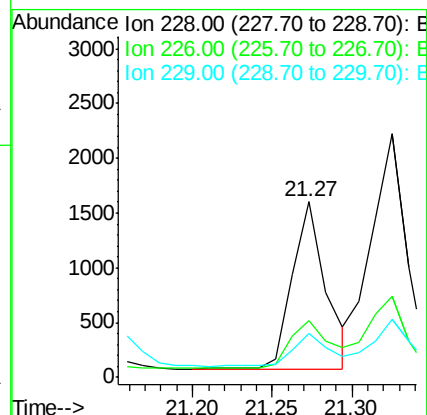
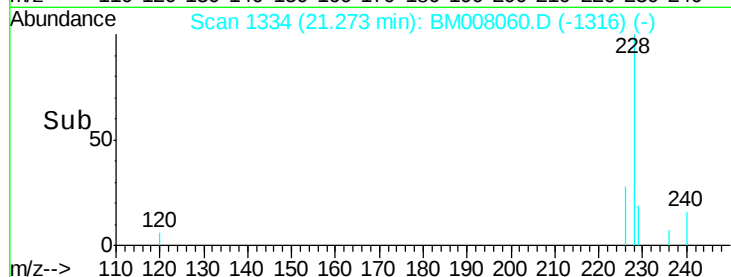
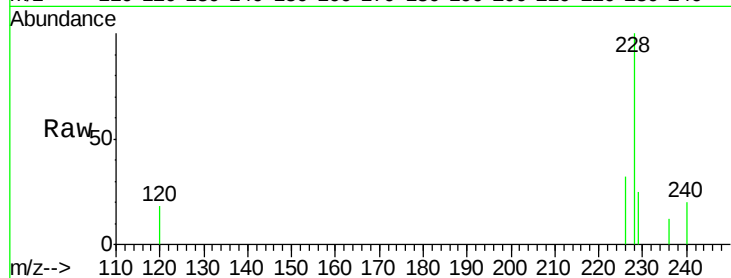
Tgt Ion:228 Resp: 2244

Ion Ratio Lower Upper

228 100

226 32.4 22.8 34.2

229 25.1 17.0 25.6



#19

Chrysene

Concen: 0.27 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM008060.D

Acq: 24 Nov 2016 06:45

Tgt Ion:228 Resp: 3304

Ion Ratio Lower Upper

228 100

226 33.0 23.4 35.0

229 23.8 17.7 26.5

