

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121916\  
 Data File : BM008462.D  
 Acq On : 20 Dec 2016 03:36  
 Operator : UM/SJ  
 Sample : H5938-14  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA836

Quant Time: Dec 20 04:51:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 20 04:48:59 2016  
 Response via : Initial Calibration

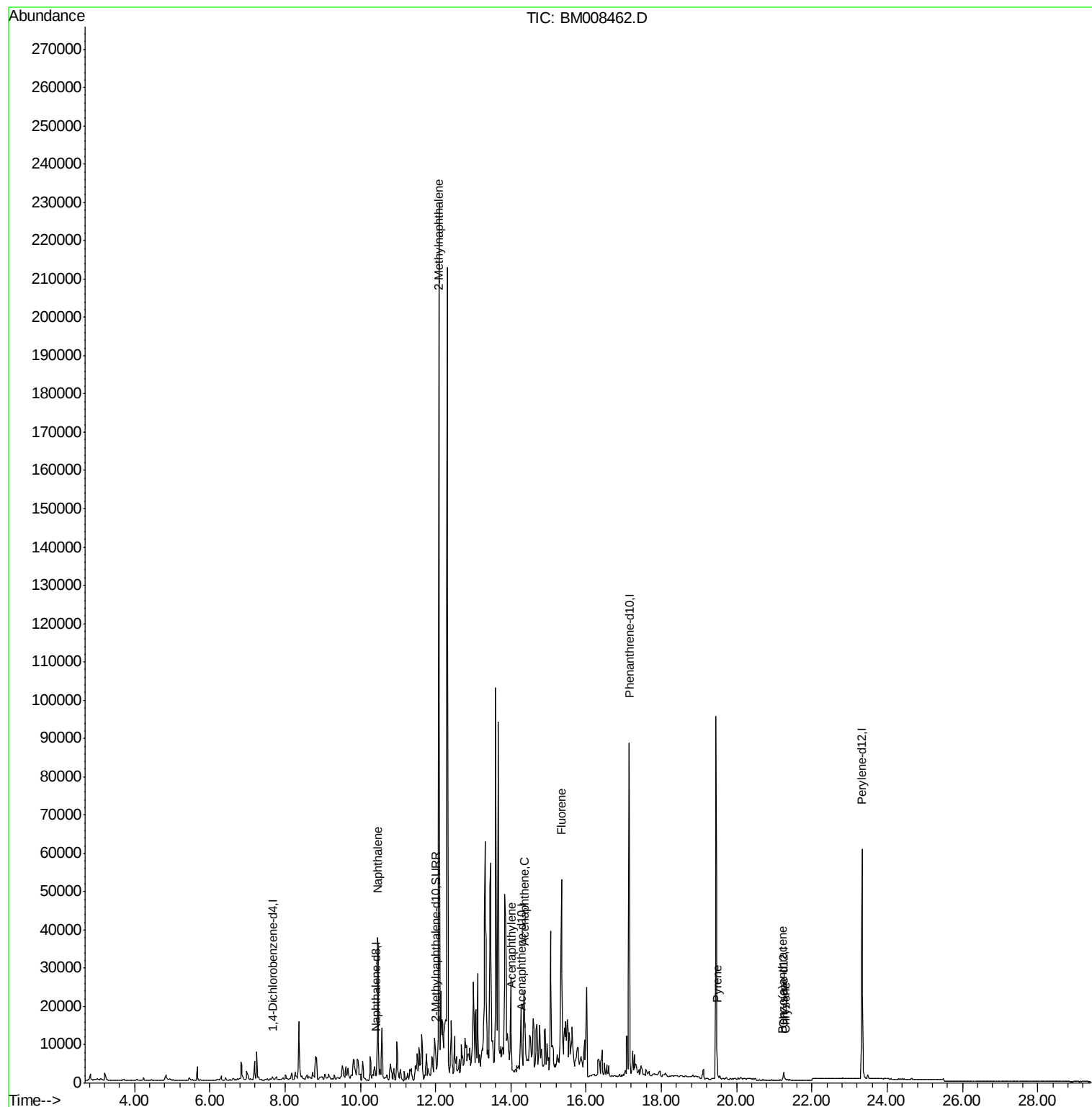
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 443      | 0.40  | ng/ul  | -0.06    |
| 2) Naphthalene-d8           | 10.43 | 136  | 1443     | 0.40  | ng/ul  | -0.06    |
| 6) Acenaphthene-d10         | 14.30 | 164  | 1915     | 0.40  | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.14 | 188  | 105504   | 0.40  | ng/ul  | 0.05     |
| 16) Chrysene-d12            | 21.25 | 240  | 1867     | 0.40  | ng/ul  | -0.02    |
| 20) Perylene-d12            | 23.33 | 264  | 77039    | 0.40  | ng/ul  | -0.18    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152  | 701      | 0.32  | ng/ul  | -0.08    |
| 14) Fluoranthene-d10        | 19.19 | 212  | 192      | 0.00  | ng/ul  | 0.08     |
| Target Compounds            |       |      |          |       |        |          |
| 3) Naphthalene              | 10.46 | 128  | 58683    | 14.45 | ng/ul  | 96       |
| 5) 2-Methylnaphthalene      | 12.09 | 142  | 155667   | 56.97 | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.01 | 152  | 5479     | 0.63  | ng/ul# | 1        |
| 8) Acenaphthene             | 14.35 | 153  | 16535    | 2.54  | ng/ul  | 96       |
| 9) Fluorene                 | 15.34 | 166  | 34221    | 4.60  | ng/ul# | 75       |
| 17) Pyrene                  | 19.47 | 202  | 3471     | 0.48  | ng/ul# | 84       |
| 18) Benzo(a)anthracene      | 21.23 | 228  | 670      | 0.11  | ng/ul# | 39       |
| 19) Chrysene                | 21.28 | 228  | 593      | 0.09  | ng/ul# | 42       |

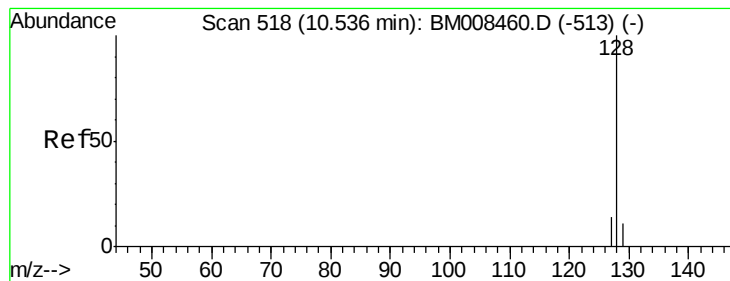
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 14.45 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.07 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

Instrument :

BNA\_M

ClientSampleId :

DA836

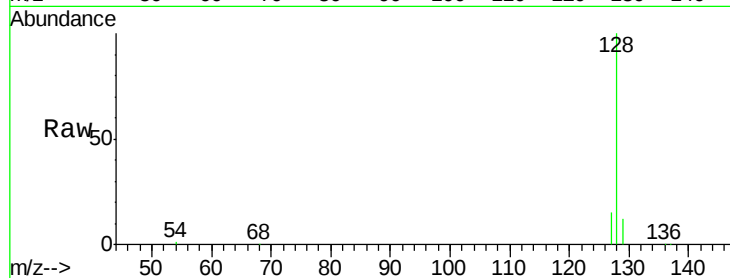
Tgt Ion:128 Resp: 58683

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

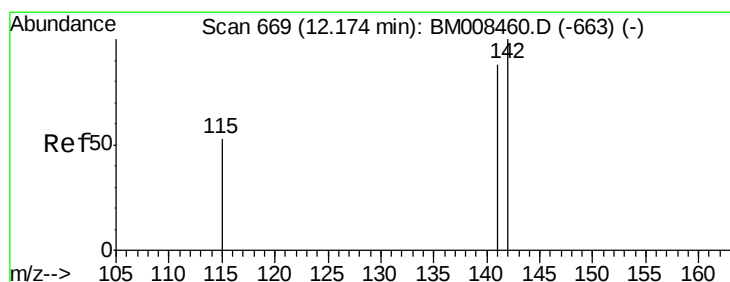
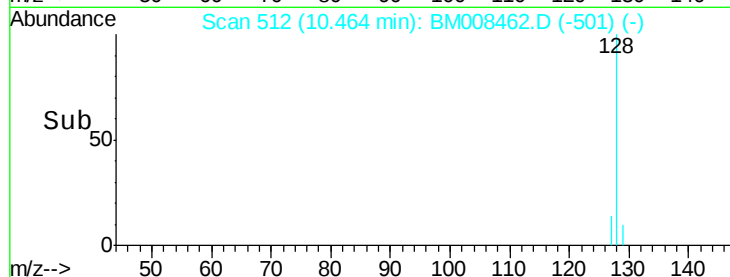
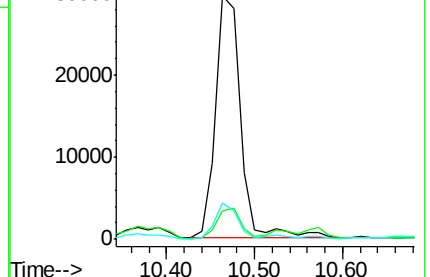
127 14.8 12.8 19.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 56.97 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.08 min

Lab File: BM008462.D

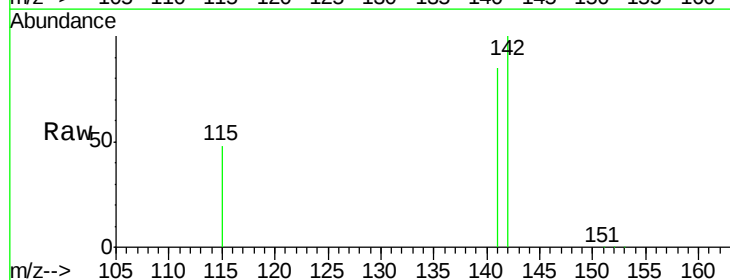
Acq: 20 Dec 2016 03:36

Tgt Ion:142 Resp: 155667

Ion Ratio Lower Upper

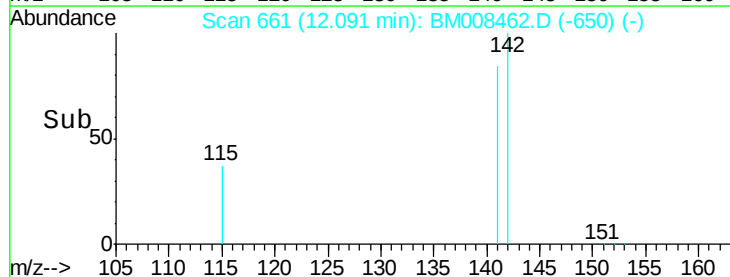
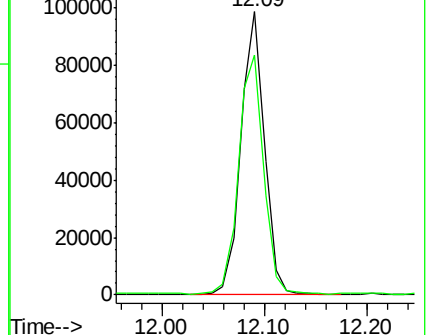
142 100

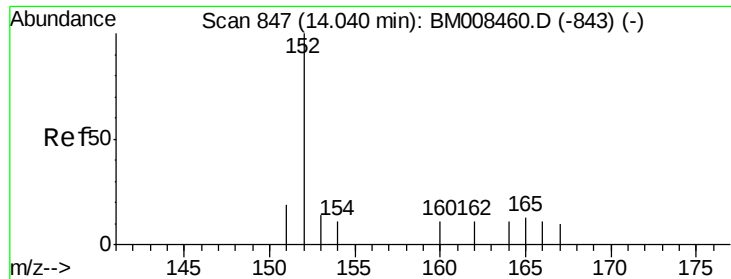
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.63 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

Instrument :

BNA\_M

ClientSampleId :

DA836

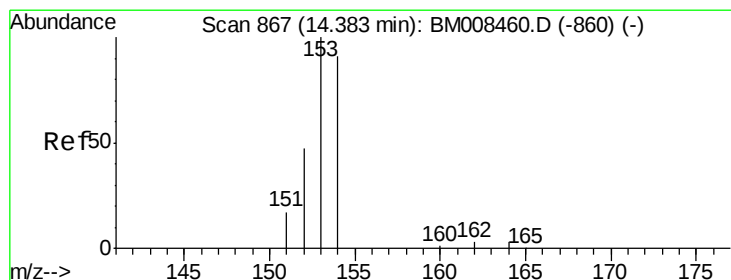
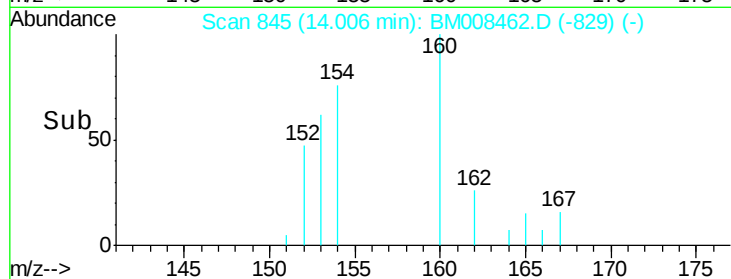
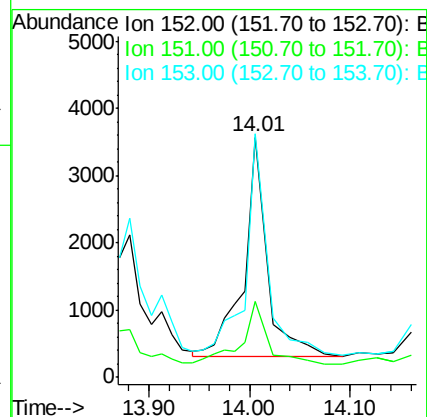
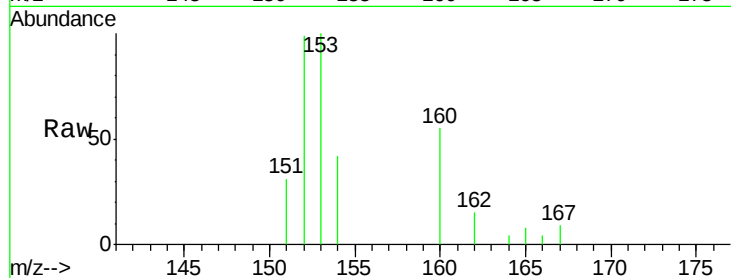
Tgt Ion:152 Resp: 5479

Ion Ratio Lower Upper

152 100

151 31.8 17.1 25.7#

153 101.5 12.8 19.2#



#8

Acenaphthene

Concen: 2.54 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

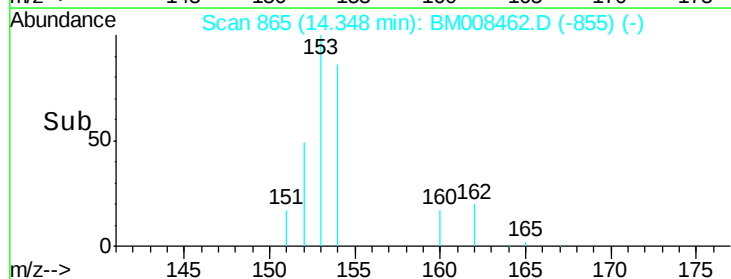
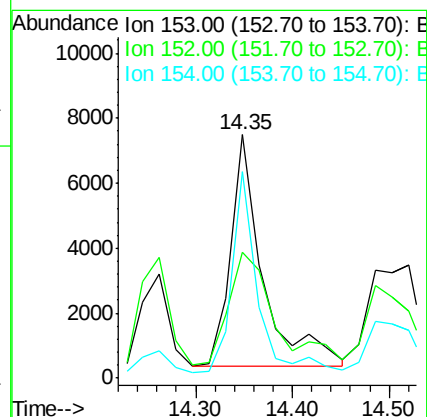
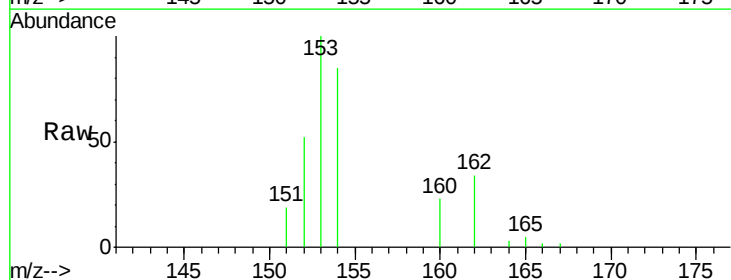
Tgt Ion:153 Resp: 16535

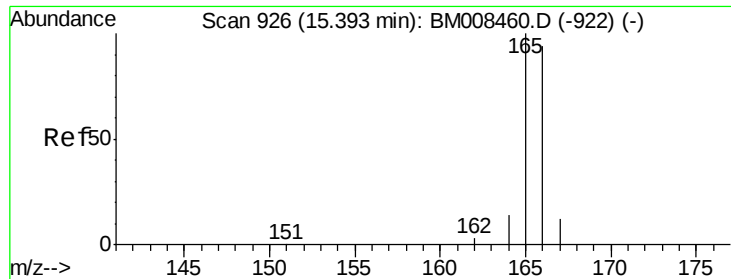
Ion Ratio Lower Upper

153 100

152 51.6 40.3 60.5

154 84.6 71.4 107.2





#9

Fluorene

Concen: 4.60 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.05 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

Instrument :

BNA\_M

ClientSampleId :

DA836

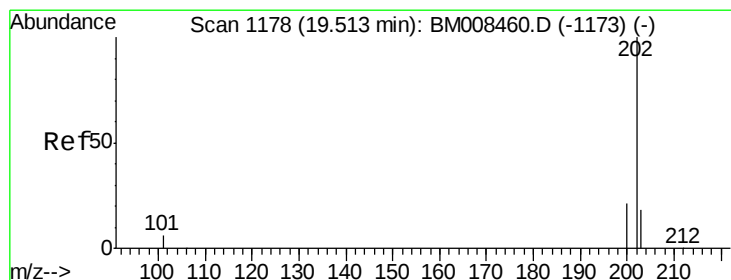
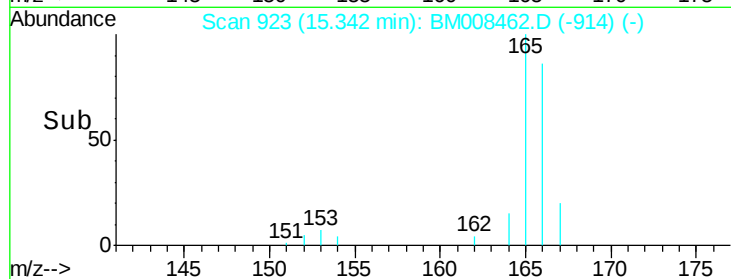
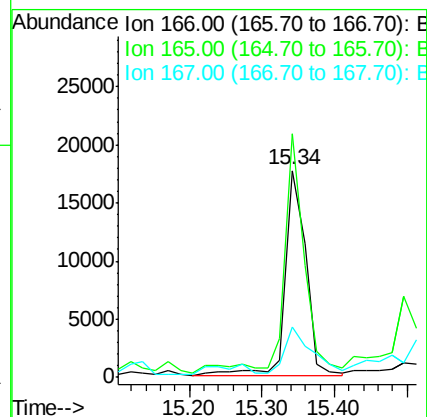
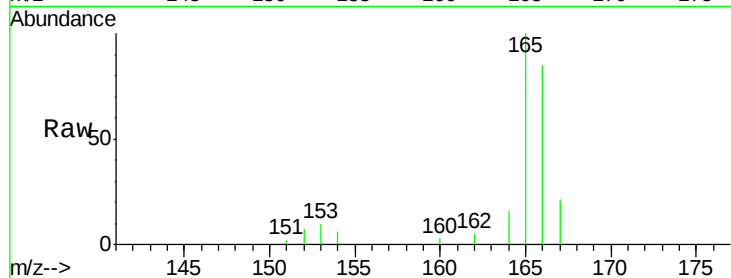
Tgt Ion:166 Resp: 34221

Ion Ratio Lower Upper

166 100

165 117.7 73.4 110.2#

167 24.2 14.6 22.0#



#17

Pyrene

Concen: 0.48 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.04 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

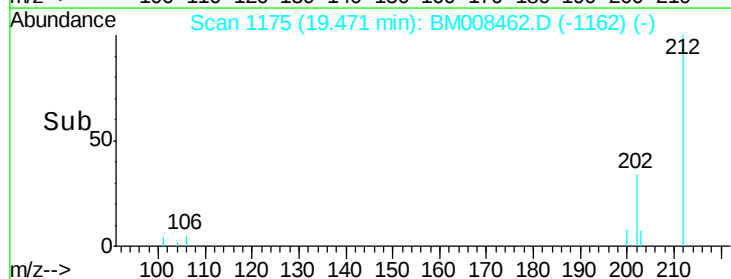
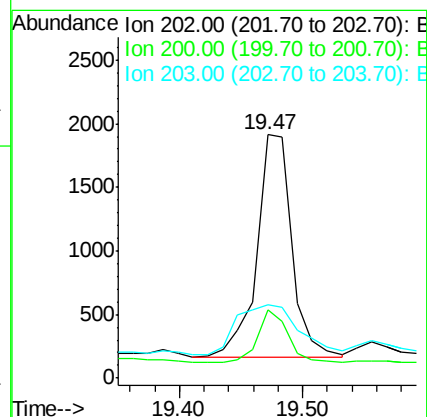
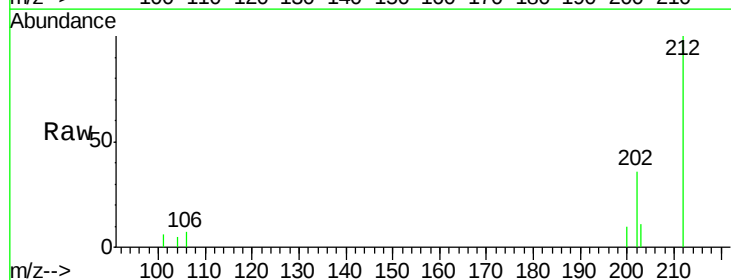
Tgt Ion:202 Resp: 3471

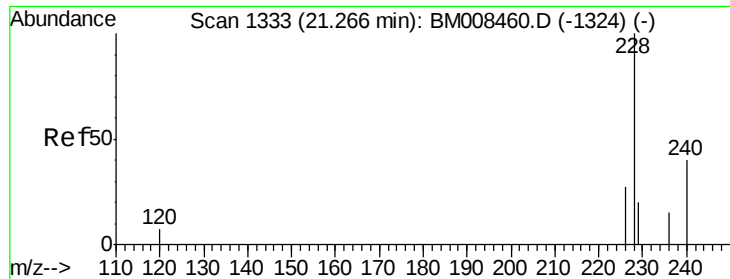
Ion Ratio Lower Upper

202 100

200 28.0 18.2 27.4#

203 29.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.11 ng/u1

RT: 21.23 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

Instrument :

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ClientSampleId :

DA836

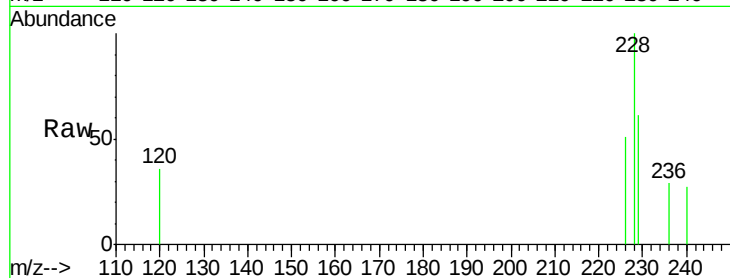
Tgt Ion:228 Resp: 670

Ion Ratio Lower Upper

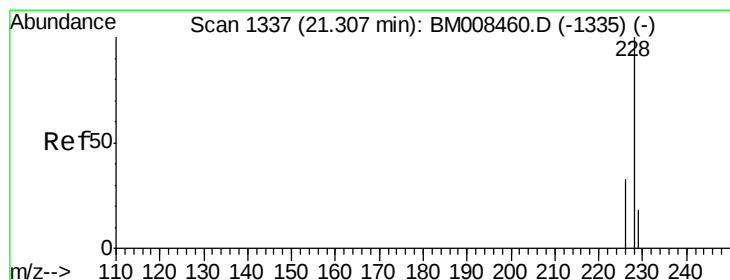
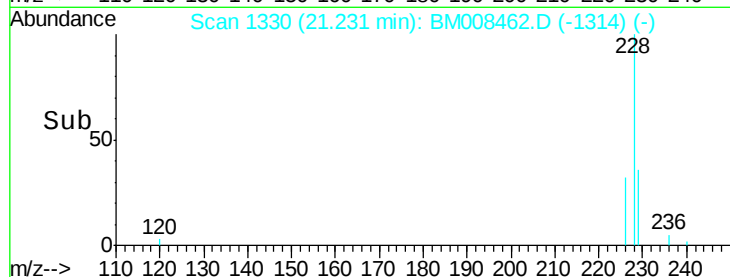
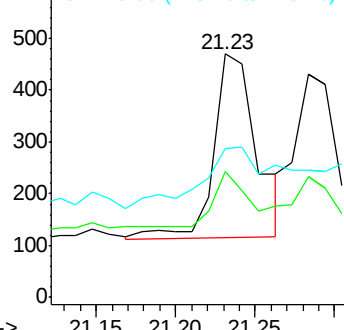
228 100

226 51.5 22.8 34.2#

229 61.3 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#19

Chrysene

Concen: 0.09 ng/u1

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008462.D

Acq: 20 Dec 2016 03:36

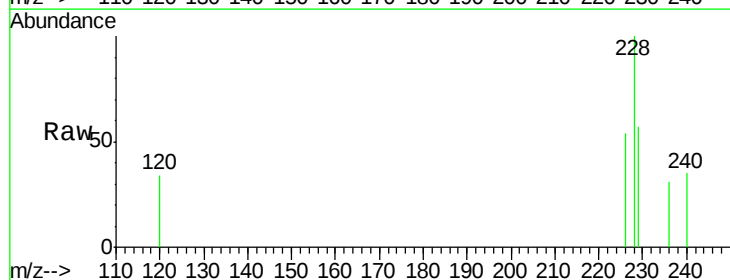
Tgt Ion:228 Resp: 593

Ion Ratio Lower Upper

228 100

226 54.2 23.4 35.0#

229 57.0 17.7 26.5#



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

