

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121216\  
 Data File : BM008266.D  
 Acq On : 12 Dec 2016 16:45  
 Operator : UM/SJ  
 Sample : H5905-17DL 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA816DL

Quant Time: Dec 13 02:31:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 13 02:27:35 2016  
 Response via : Initial Calibration

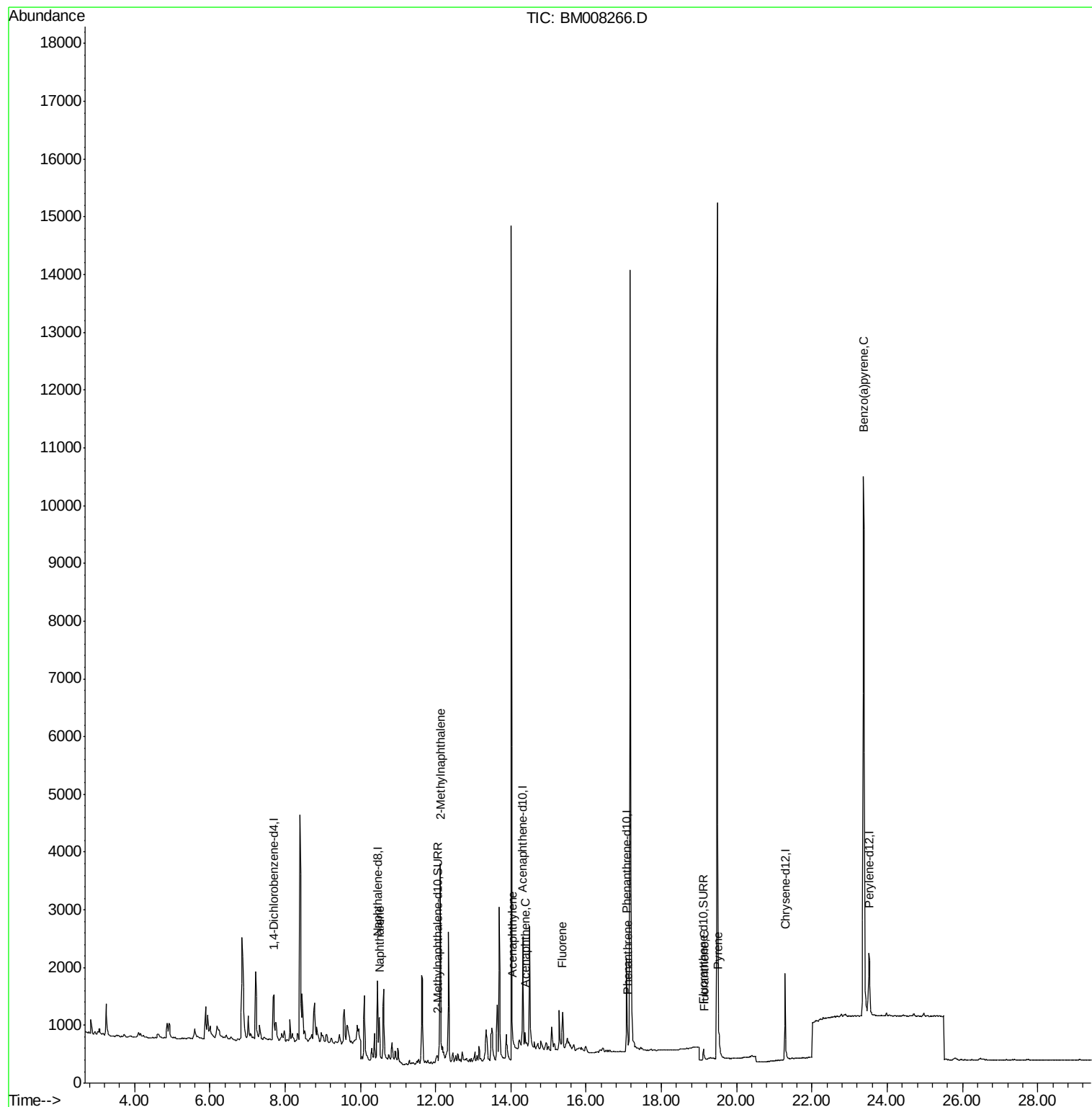
| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.70  | 152  | 570      | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.46 | 136  | 1995     | 0.40 | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.31 | 164  | 1233     | 0.40 | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.07 | 188  | 2159     | 0.40 | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.28 | 240  | 1614     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.51 | 264  | 1509     | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.06 | 152  | 159      | 0.06 | ng/ul  | -0.01    |
| 14) Fluoranthene-d10        | 19.12 | 212  | 402      | 0.07 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.51 | 128  | 1209     | 0.22 | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 12.12 | 142  | 2640     | 0.73 | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.04 | 152  | 122      | 0.02 | ng/ul# | 1        |
| 8) Acenaphthene             | 14.38 | 153  | 192      | 0.05 | ng/ul# | 88       |
| 9) Fluorene                 | 15.38 | 166  | 548      | 0.11 | ng/ul# | 78       |
| 12) Phenanthrene            | 17.11 | 178  | 227      | 0.03 | ng/ul# | 45       |
| 15) Fluoranthene            | 19.14 | 202  | 190      | 0.02 | ng/ul# | 1        |
| 17) Pyrene                  | 19.51 | 202  | 141      | 0.03 | ng/ul# | 12       |
| 23) Benzo(a)pyrene          | 23.37 | 252  | 127      | 0.02 | ng/ul# | 1        |

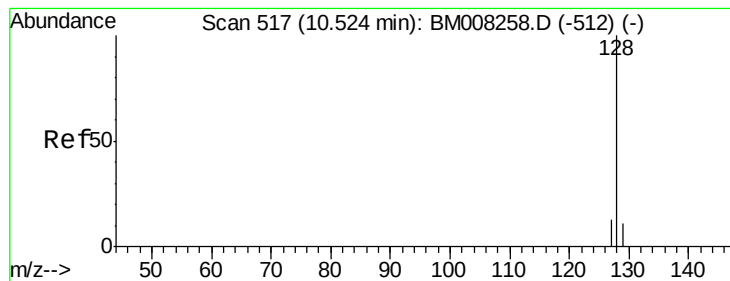
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.22 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008266.D

Acq: 12 Dec 2016 16:45

Instrument :

BNA\_M

ClientSampleId :

DA816DL

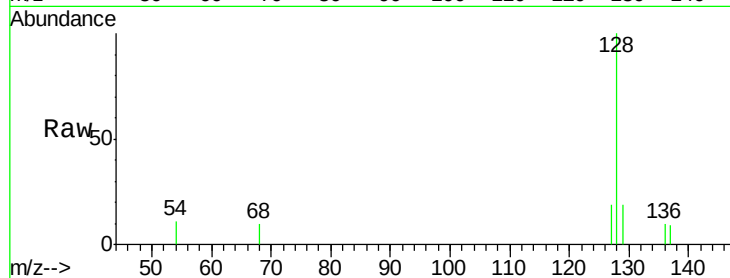
Tgt Ion:128 Resp: 1209

Ion Ratio Lower Upper

128 100

129 19.0 11.3 16.9#

127 18.6 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

10.51

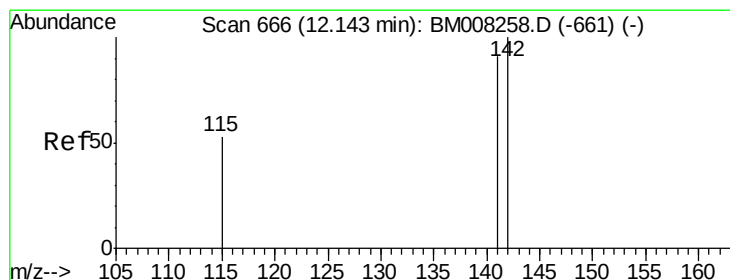
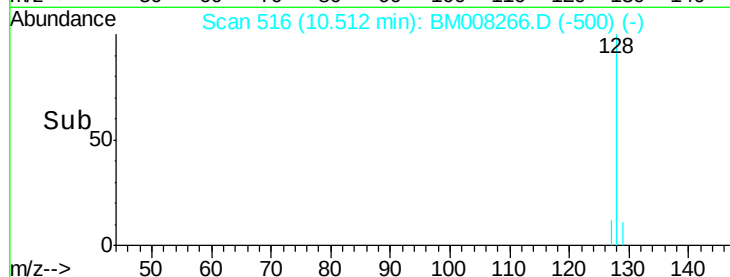
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.73 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.02 min

Lab File: BM008266.D

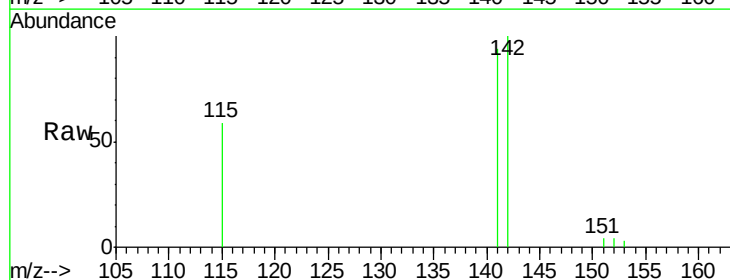
Acq: 12 Dec 2016 16:45

Tgt Ion:142 Resp: 2640

Ion Ratio Lower Upper

142 100

141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

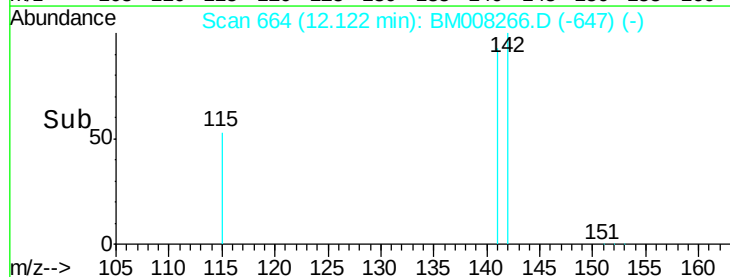
1500

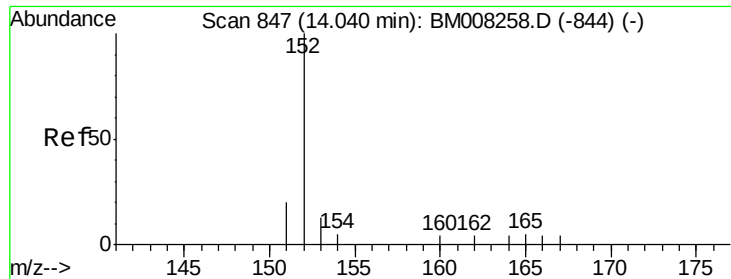
1000

500

0

Time-->





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008266.D

Acq: 12 Dec 2016 16:45

Instrument :

BNA\_M

ClientSampleId :

DA816DL

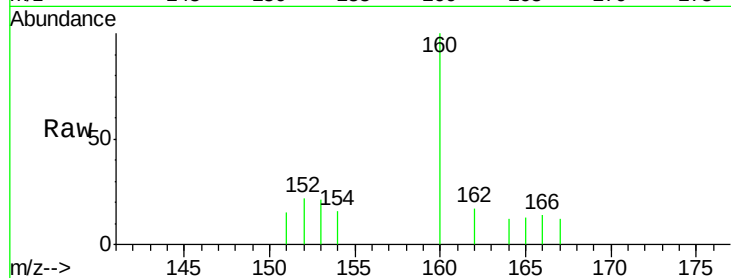
Tgt Ion:152 Resp: 122

Ion Ratio Lower Upper

152 100

151 64.6 17.1 25.7#

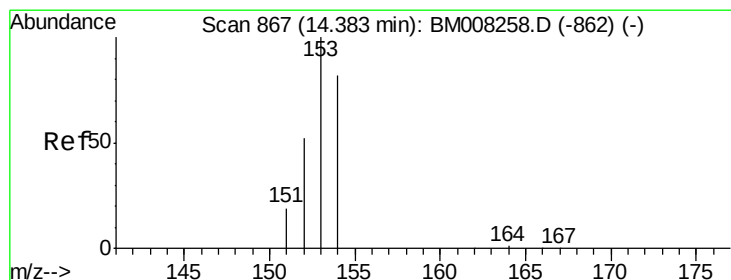
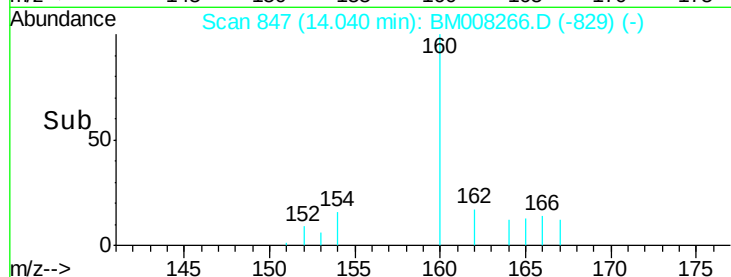
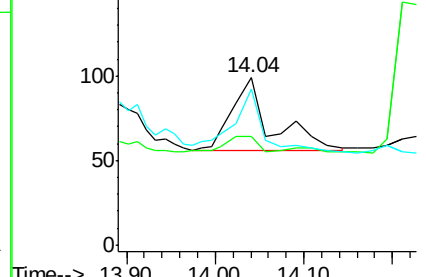
153 92.9 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008266.D

Acq: 12 Dec 2016 16:45

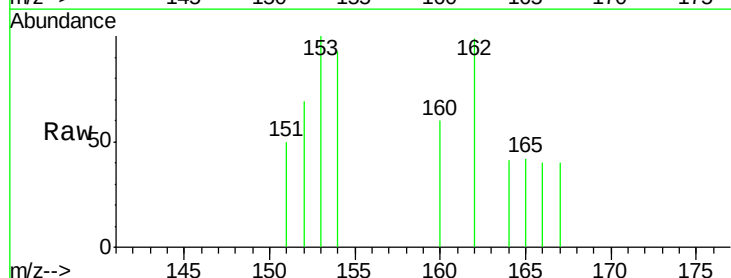
Tgt Ion:153 Resp: 192

Ion Ratio Lower Upper

153 100

152 69.1 40.3 60.5#

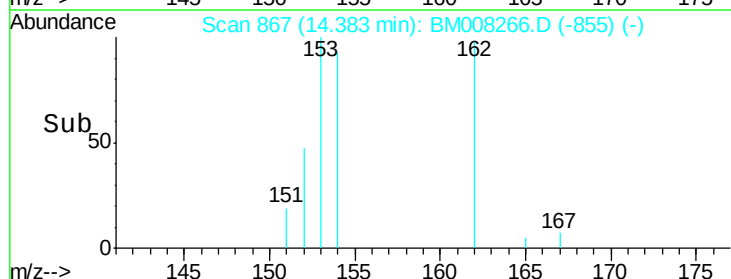
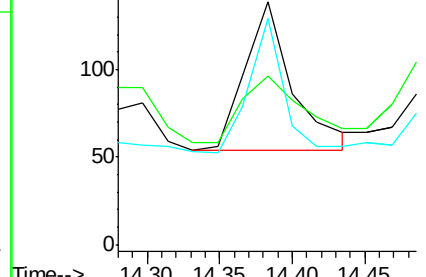
154 92.8 71.4 107.2

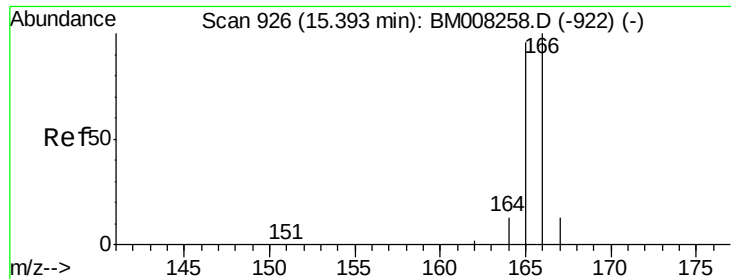


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

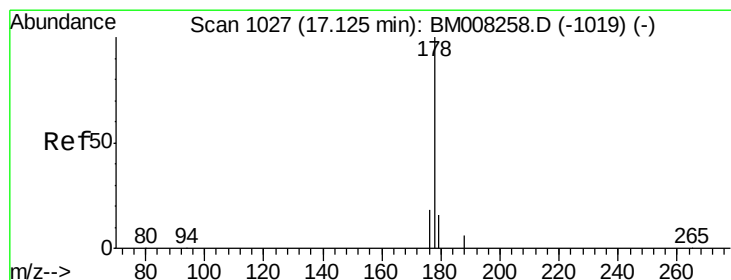
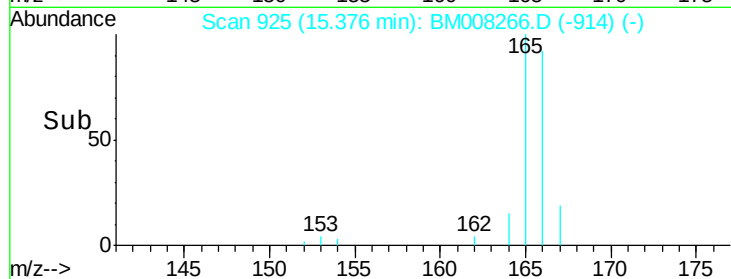
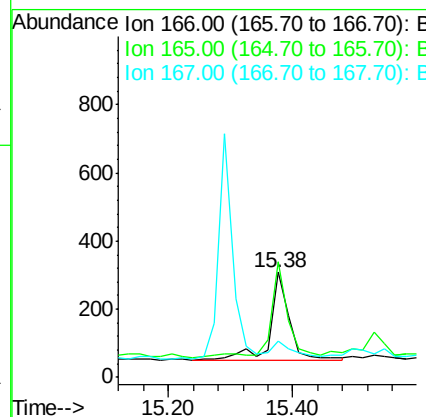
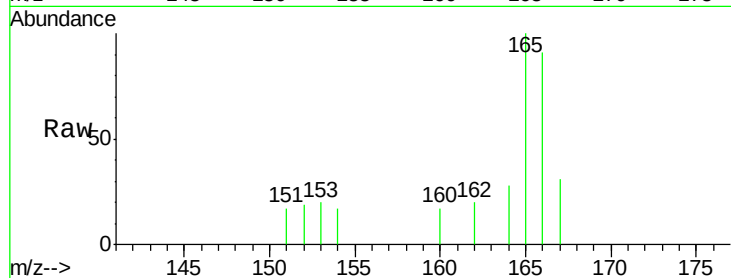




#9  
**Fluorene**  
 Concen: 0.11 ng/ul  
 RT: 15.38 min Scan# 925  
 Delta R.T. -0.02 min  
 Lab File: BM008266.D  
 Acq: 12 Dec 2016 16:45

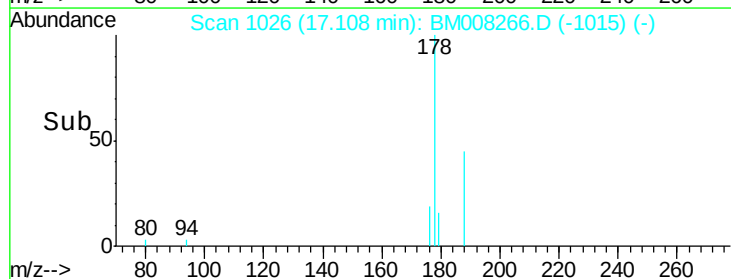
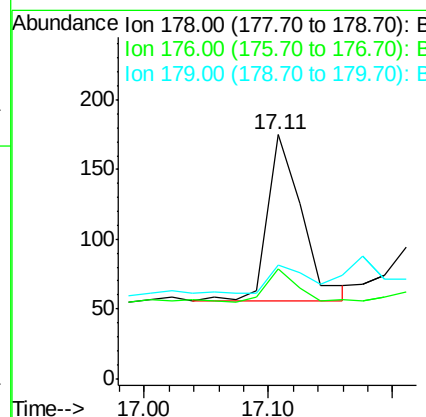
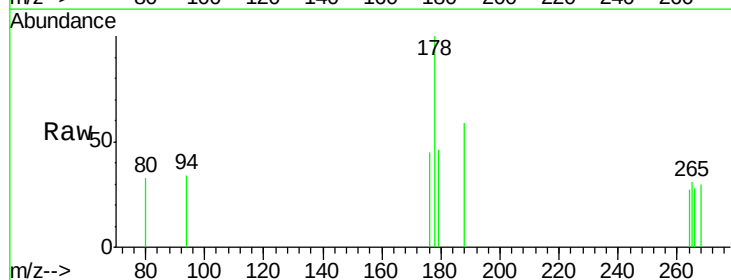
Instrument :  
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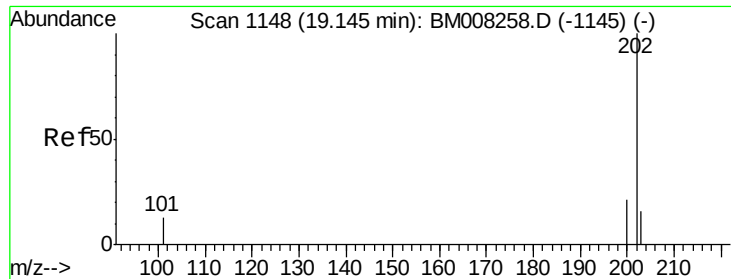
Tgt Ion:166 Resp: 548  
 Ion Ratio Lower Upper  
 166 100  
 165 110.4 73.4 110.2#  
 167 34.0 14.6 22.0#



#12  
**Phenanthrene**  
 Concen: 0.03 ng/ul  
 RT: 17.11 min Scan# 1026  
 Delta R.T. -0.02 min  
 Lab File: BM008266.D  
 Acq: 12 Dec 2016 16:45

Tgt Ion:178 Resp: 227  
 Ion Ratio Lower Upper  
 178 100  
 176 45.1 18.4 27.6#  
 179 46.3 13.6 20.4#

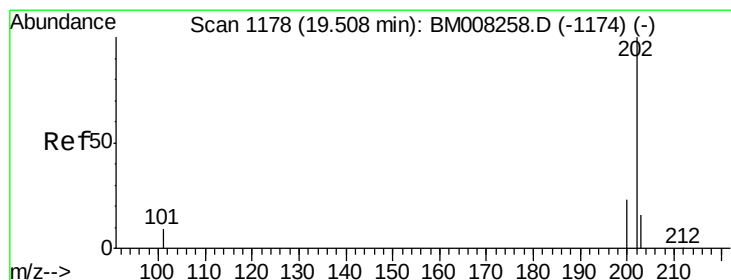
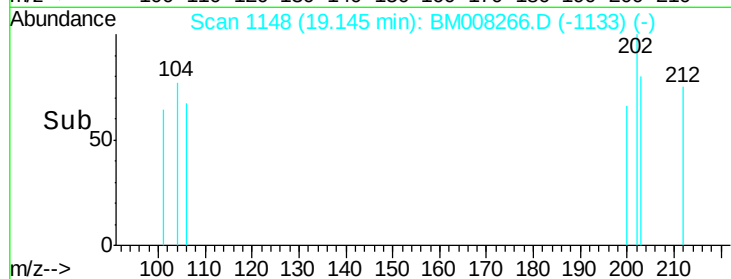
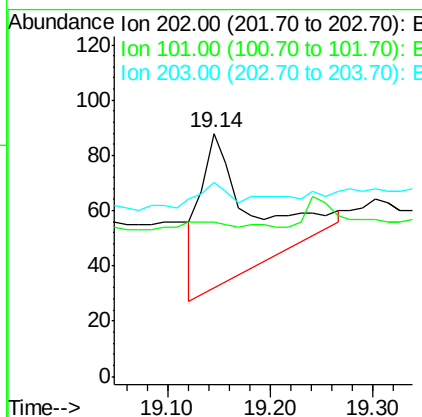
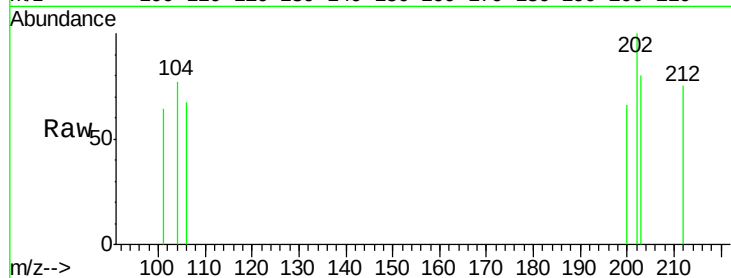




#15  
Fluoranthene  
Concen: 0.02 ng/ul  
RT: 19.14 min Scan# 1148  
Delta R.T. 0.00 min  
Lab File: BM008266.D  
Acq: 12 Dec 2016 16:45

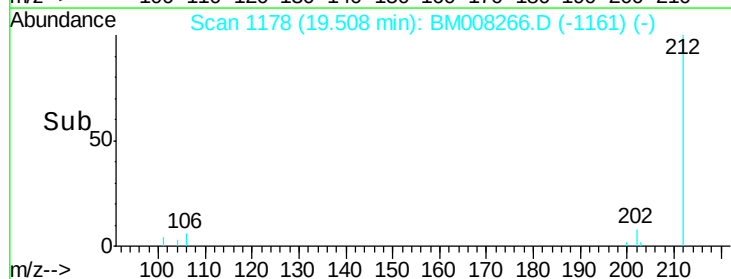
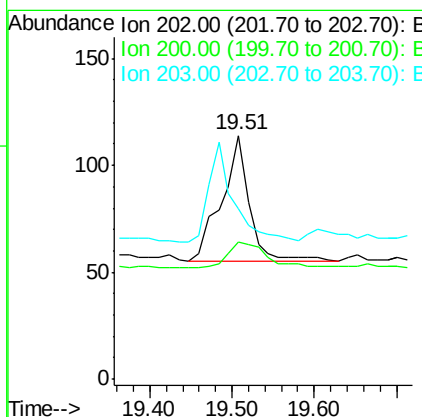
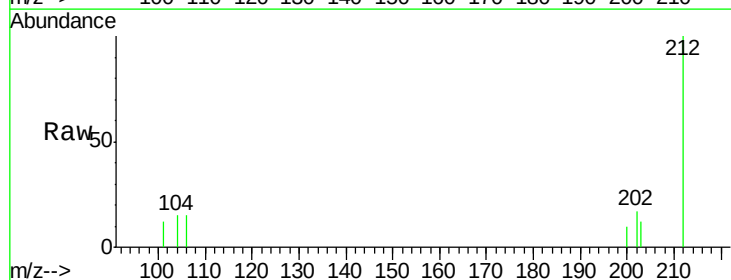
Instrument :  
BNA\_M  
ClientSampleId :  
DA816DL

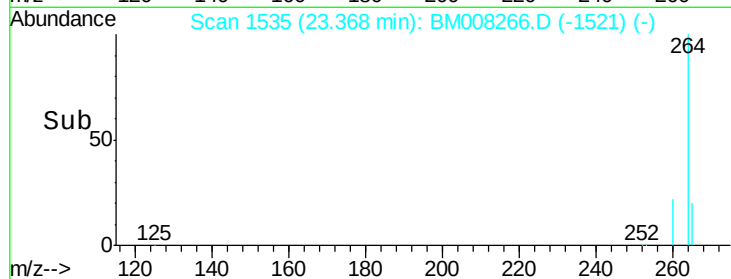
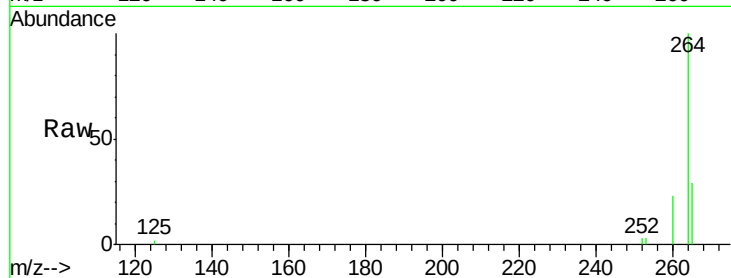
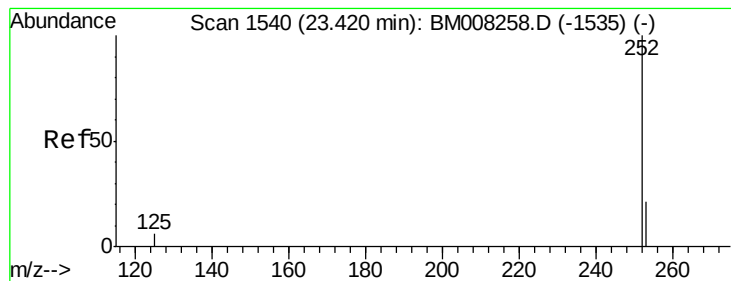
Tgt Ion: 202 Resp: 190  
Ion Ratio Lower Upper  
202 100  
101 63.6 0.0 30.3#  
203 79.5 0.0 39.5#



#17  
Pyrene  
Concen: 0.03 ng/ul  
RT: 19.51 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: BM008266.D  
Acq: 12 Dec 2016 16:45

Tgt Ion: 202 Resp: 141  
Ion Ratio Lower Upper  
202 100  
200 56.1 18.2 27.4#  
203 70.2 15.6 23.4#





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.05 min

Lab File: BM008266.D

Acq: 12 Dec 2016 16:45

Instrument :

BNA\_M

ClientSampleId :

DA816DL

Tgt Ion: 252 Resp: 127

Ion Ratio Lower Upper

252 100

253 129.2 28.5 42.7#

125 78.9 18.1 27.1#

