

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050118\  
 Data File : BM014914.D  
 Acq On : 02 May 2018 08:36  
 Operator : SJ/JU  
 Sample : J2621-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0CC6

Quant Time: May 02 11:59:03 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 02 06:50:05 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.49  | 152  | 444443   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.33 | 136  | 1930965  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.10 | 164  | 1055432  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.81 | 188  | 2277737  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.90 | 240  | 2316924  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.38 | 264  | 2098739  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.64  | 96  | 21221   | 2.08  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.62  | 99  | 364185  | 10.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.80  | 67  | 834905  | 37.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.01  | 132 | 887156  | 30.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.19  | 113 | 612048  | 22.34 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.68  | 128 | 495027  | 35.46 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.40 | 143 | 520959  | 37.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.94 | 165 | 906270  | 32.09 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.46 | 131 | 1235672 | 44.32 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.49 | 166 | 2892965 | 35.11 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.80 | 160 | 3387806 | 33.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.26 | 143 | 119492  | 7.81  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.07 | 176 | 2427055 | 33.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.17 | 200 | 126171  | 10.24 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.91 | 188 | 3731119 | 35.15 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.15 | 212 | 3940630 | 35.95 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.22 | 264 | 3874034 | 37.57 | ng/ul | 0.00 |

## Target Compounds

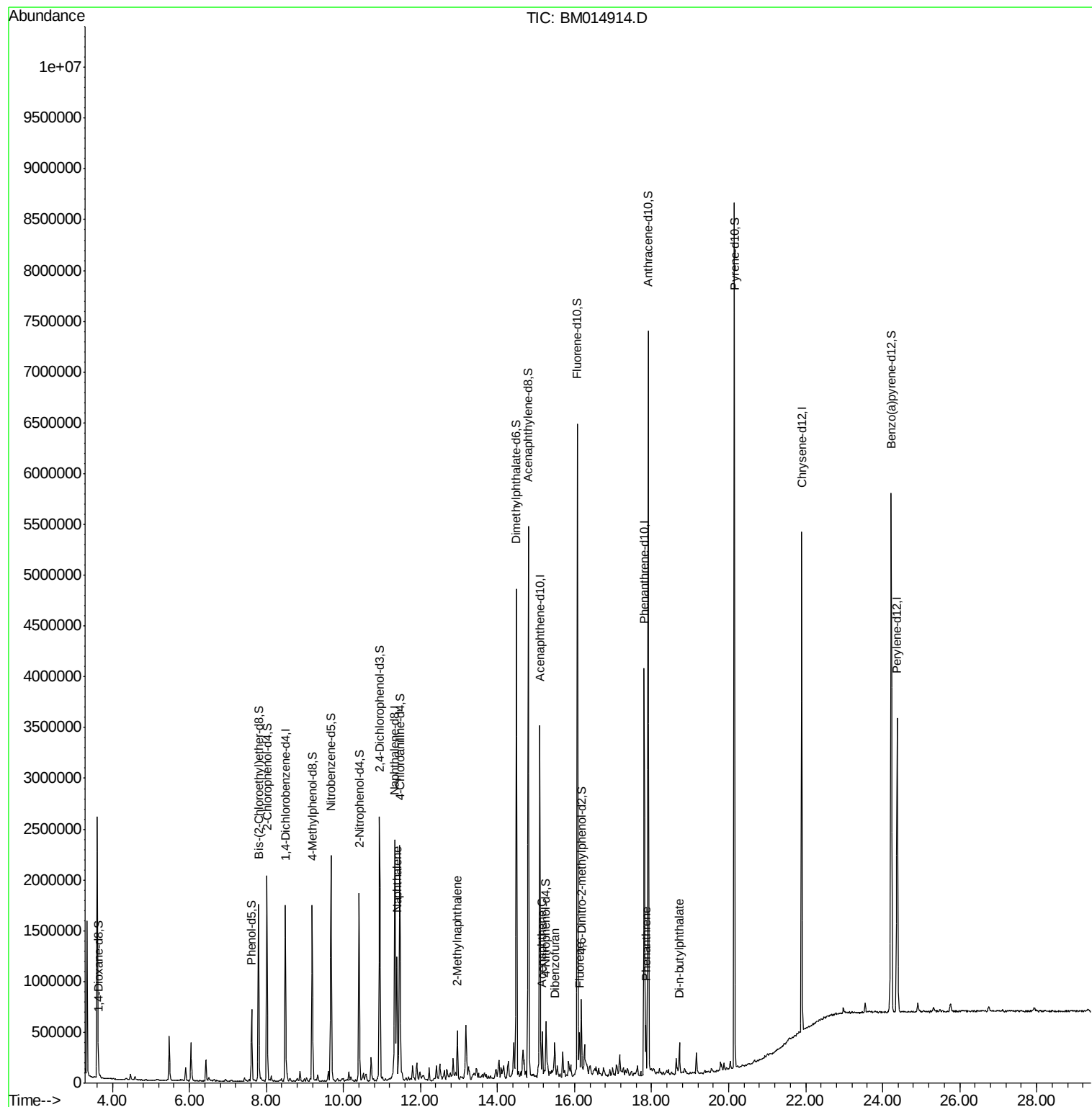
|                         |       |     |        |       | Qvalue |     |
|-------------------------|-------|-----|--------|-------|--------|-----|
| 28) Naphthalene         | 11.39 | 128 | 890391 | 9.463 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene | 12.96 | 142 | 225369 | 3.449 | ng/ul  | 95  |
| 49) Acenaphthene        | 15.16 | 153 | 152772 | 2.181 | ng/ul  | 96  |
| 53) Dibenzofuran        | 15.49 | 168 | 148188 | 1.523 | ng/ul  | 100 |
| 58) Fluorene            | 16.13 | 166 | 178665 | 2.275 | ng/ul  | 98  |
| 69) Phenanthrene        | 17.85 | 178 | 278809 | 2.279 | ng/ul  | 99  |
| 73) Di-n-butylphthalate | 18.72 | 149 | 169779 | 1.318 | ng/ul# | 97  |

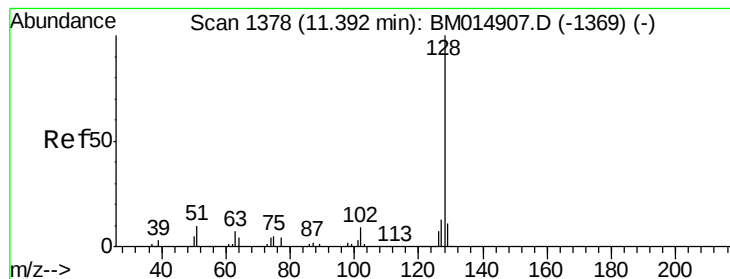
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
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QLast Update : Wed May 02 06:50:05 2018  
Response via : Initial Calibration





#28

Naphthalene

Concen: 9.463 ng/ul

RT: 11.39 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BM014914.D

Acq: 02 May 2018 08:36

Instrument :

BNA\_M

ClientSampleId :

C0CC6

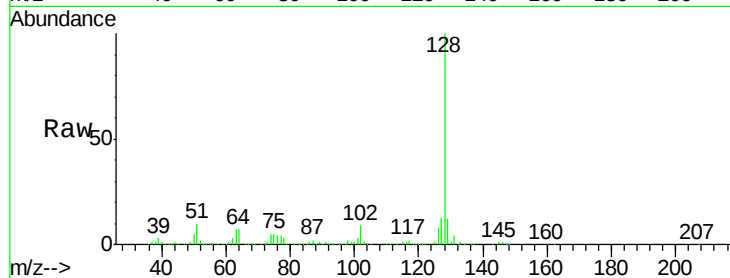
Tgt Ion:128 Resp: 890391

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

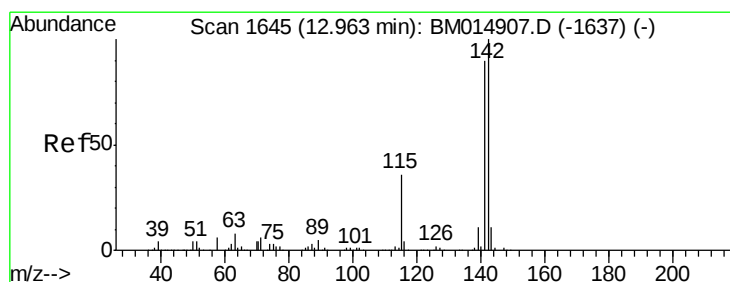
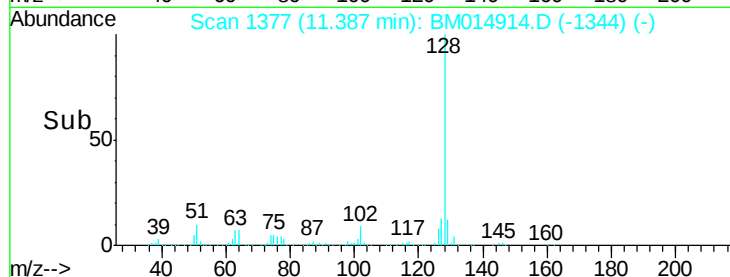
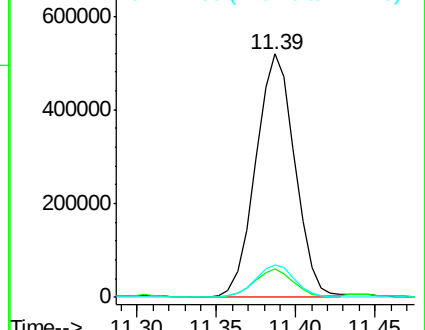
127 13.1 10.6 16.0



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



#34

2-Methylnaphthalene

Concen: 3.449 ng/ul

RT: 12.96 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BM014914.D

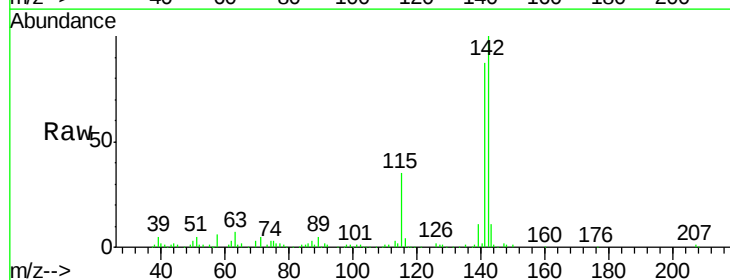
Acq: 02 May 2018 08:36

Tgt Ion:142 Resp: 225369

Ion Ratio Lower Upper

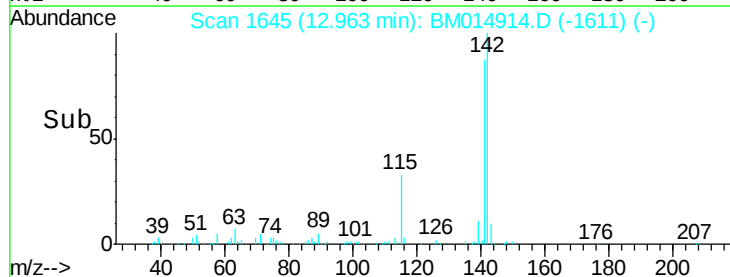
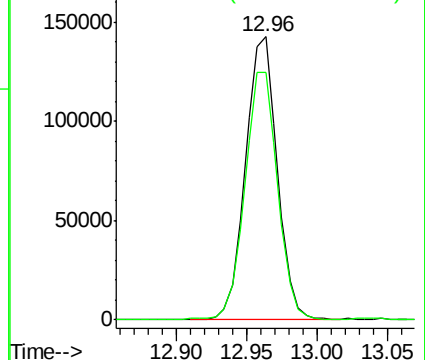
142 100

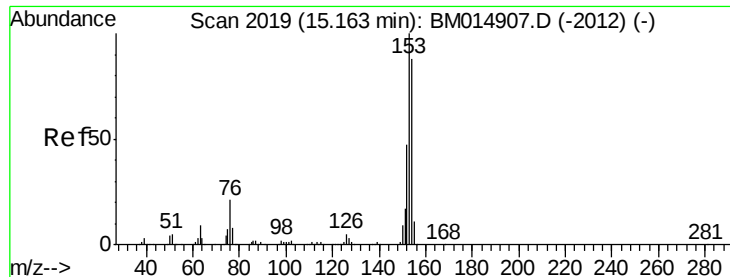
141 87.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 2.181 ng/ul

RT: 15.16 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BM014914.D

Acq: 02 May 2018 08:36

Instrument :

BNA\_M

ClientSampleId :

C0CC6

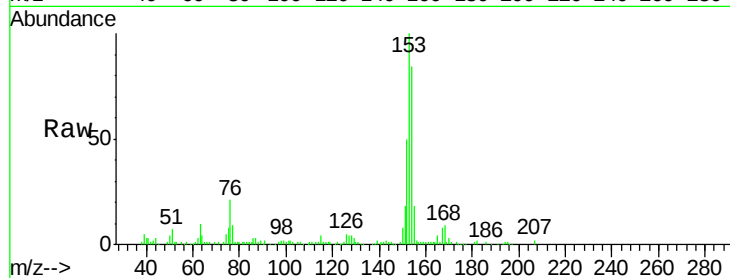
Tgt Ion:153 Resp: 152772

Ion Ratio Lower Upper

153 100

152 49.9 37.6 56.4

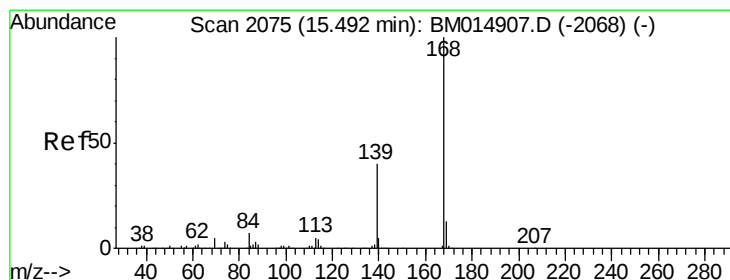
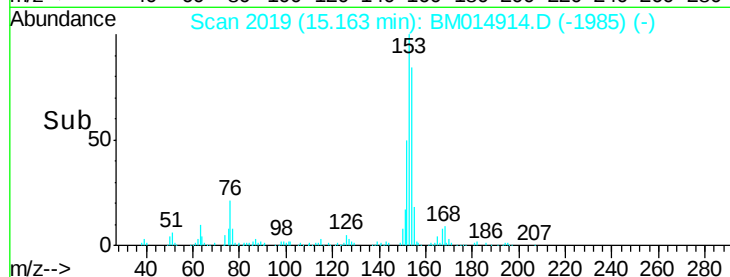
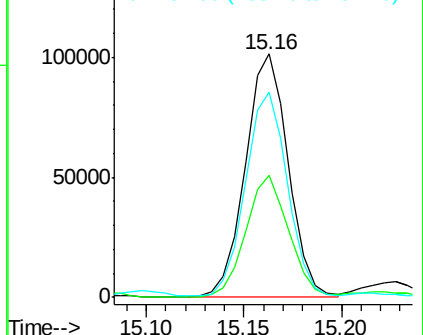
154 84.4 70.4 105.6



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



#53

Dibenzofuran

Concen: 1.523 ng/ul

RT: 15.49 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BM014914.D

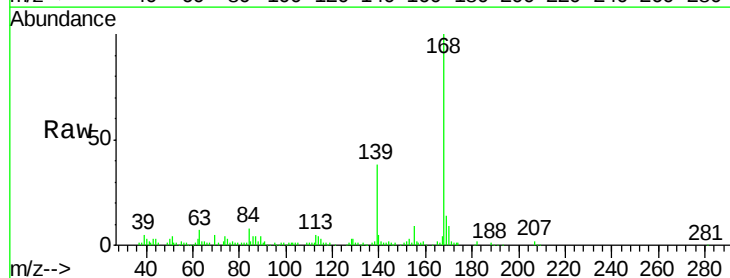
Acq: 02 May 2018 08:36

Tgt Ion:168 Resp: 148188

Ion Ratio Lower Upper

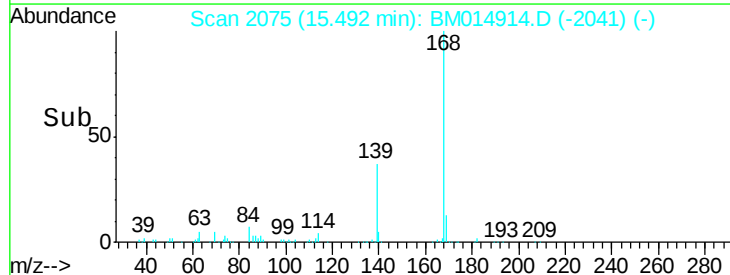
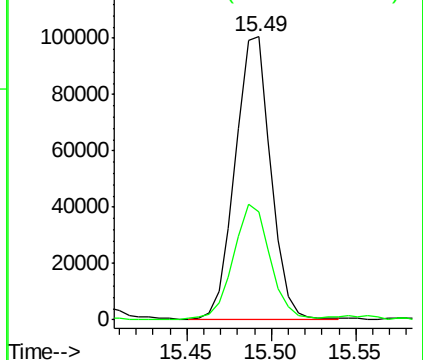
168 100

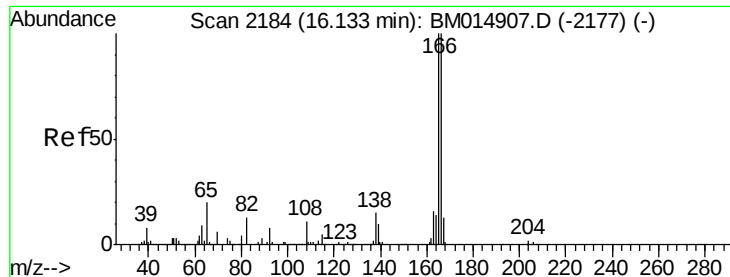
139 38.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.275 ng/ul

RT: 16.13 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BM014914.D

Acq: 02 May 2018 08:36

Instrument :

BNA\_M

ClientSampleId :

C0CC6

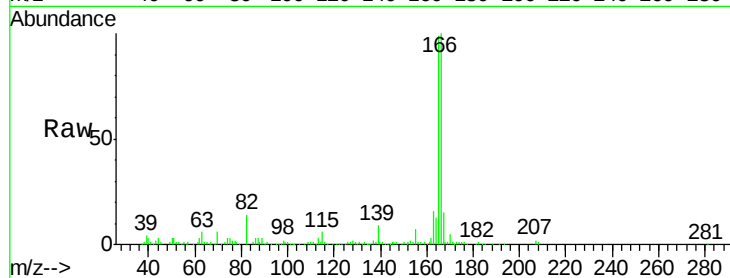
Tgt Ion:166 Resp: 178665

Ion Ratio Lower Upper

166 100

165 99.3 77.9 116.9

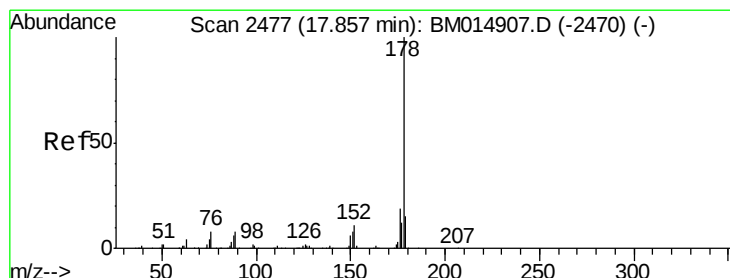
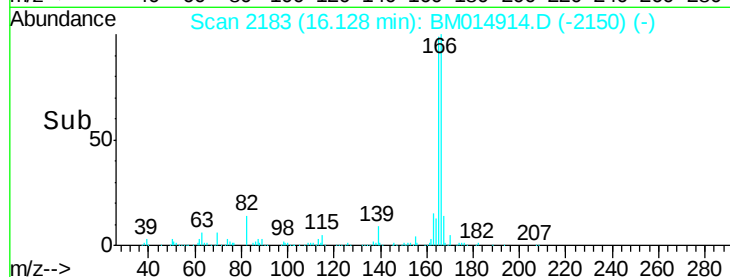
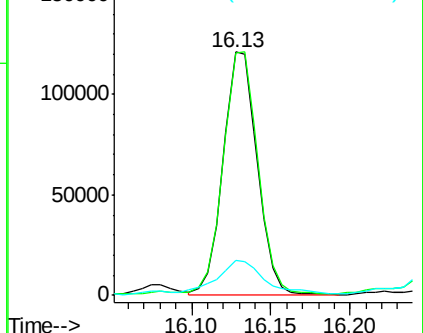
167 14.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 2.279 ng/ul

RT: 17.85 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM014914.D

Acq: 02 May 2018 08:36

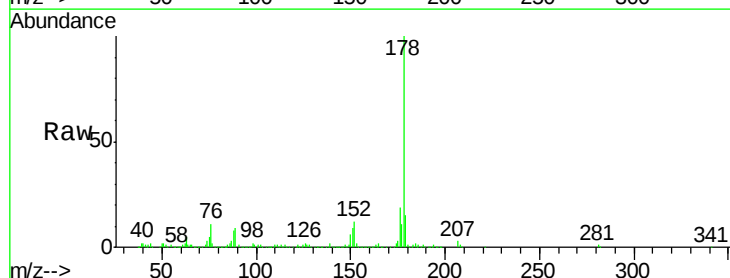
Tgt Ion:178 Resp: 278809

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

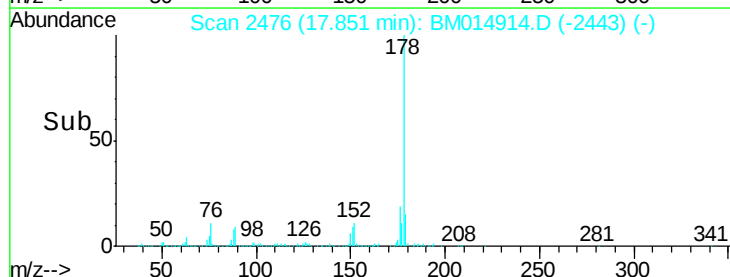
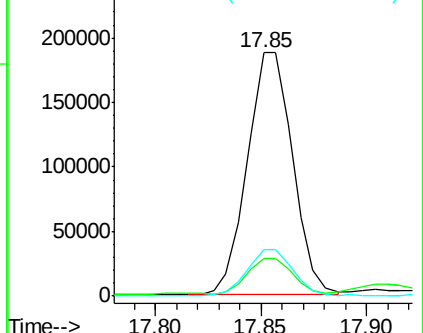
176 18.9 14.9 22.3

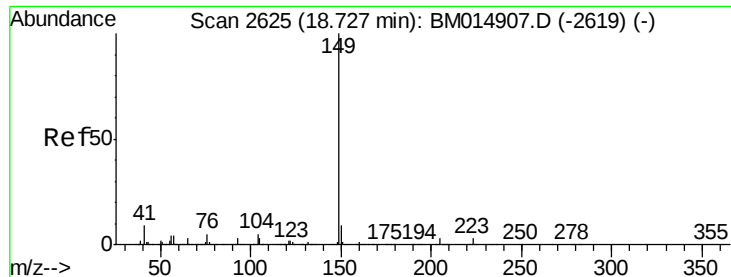


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

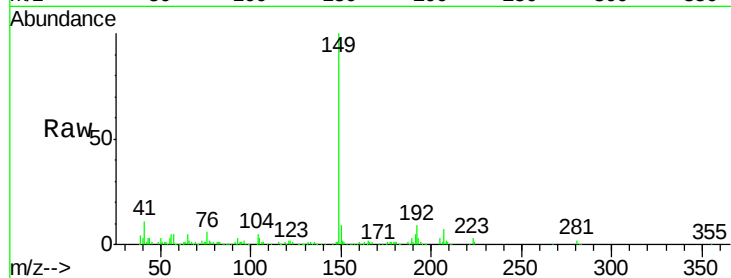




#73  
 Di-n-butylphthalate  
 Concen: 1.318 ng/ul  
 RT: 18.72 min Scan# 2624  
 Delta R.T. -0.01 min  
 Lab File: BM014914.D  
 Acq: 02 May 2018 08:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0CC6

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 169779 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 150      | 9.5   | 7.1   | 10.7   |
| 104      | 5.1   | 5.6   | 8.4#   |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E

