

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\  
 Data File : BM005102.D  
 Acq On : 27 Apr 2016 18:16  
 Operator : UM/SJ  
 Sample : H2584-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 BC7S9

Manual Integrations  
 APPROVED

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 4/28/2016 1:41:32 PM

Quant Time: Apr 28 04:55:44 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 28 04:13:24 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 63682    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 304478   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 197714   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 459517   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.37 | 240  | 489841   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.66 | 264  | 382610   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 1759   | 1.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.97  | 99  | 37570  | 7.13  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 67424  | 22.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 80151  | 19.23 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 64894  | 14.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 46813  | 22.20 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 53445  | 22.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 96297  | 21.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.74 | 131 | 6228   | 1.19  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 346082 | 22.16 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 402859 | 21.67 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.65 | 143 | 13371m | 4.90  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.43 | 176 | 300690 | 21.91 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 35252  | 13.49 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.28 | 188 | 472070 | 22.91 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.58 | 212 | 528866 | 23.72 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.51 | 264 | 396654 | 23.14 | ng/ul | 0.00 |

## Target Compounds

|                       |       |     |        |      |       | Ovalue |
|-----------------------|-------|-----|--------|------|-------|--------|
| 28) Naphthalene       | 10.63 | 128 | 119505 | 7.78 | ng/ul | 99     |
| 44) Dimethylphthalate | 13.89 | 163 | 20692  | 1.32 | ng/ul | 99     |
| 49) Acenaphthene      | 14.50 | 153 | 13549  | 1.05 | ng/ul | 97     |
| 58) Fluorene          | 15.49 | 166 | 17741  | 1.20 | ng/ul | 96     |
| 69) Phenanthrene      | 17.23 | 178 | 57624  | 2.36 | ng/ul | 99     |

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

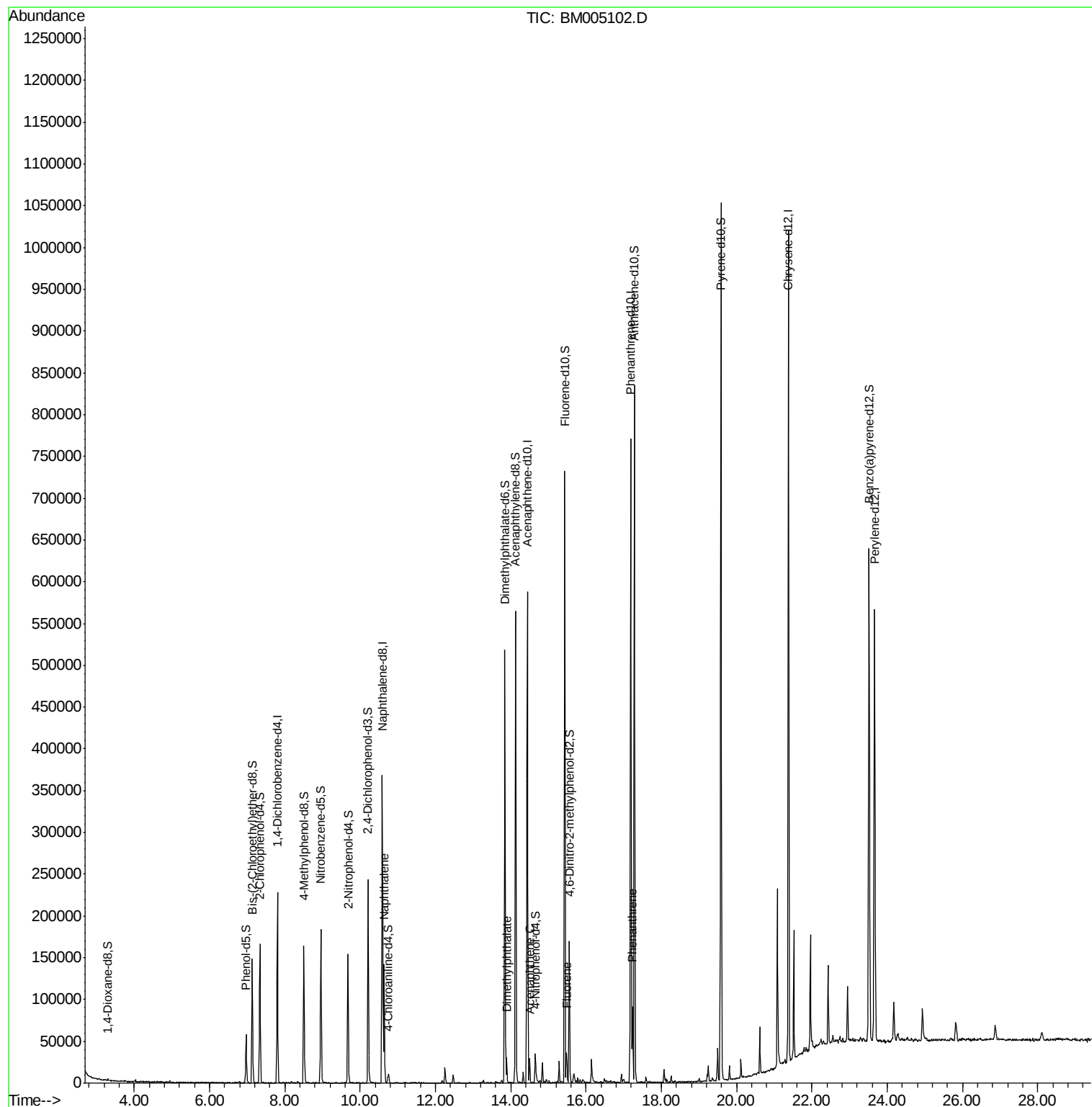
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\  
Data File : BM005102.D  
Acq On : 27 Apr 2016 18:16  
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Misc :  
ALS Vial : 8 Sample Multiplier: 1

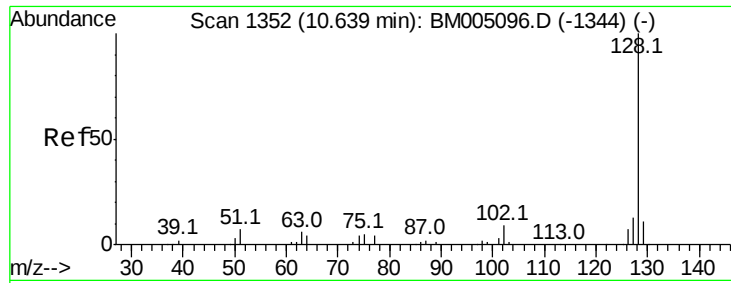
Instrument :  
BNA\_M  
ClientSampleId :  
BC7S9

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Quant Time: Apr 28 04:55:44 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 28 04:13:24 2016  
Response via : Initial Calibration





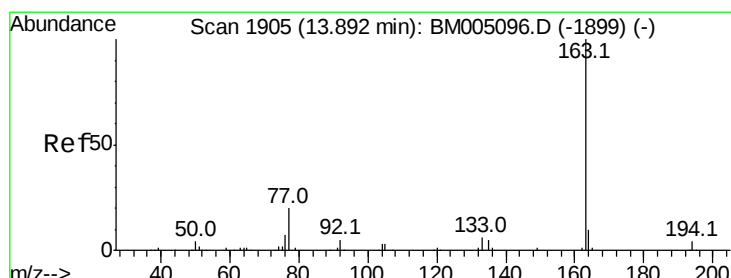
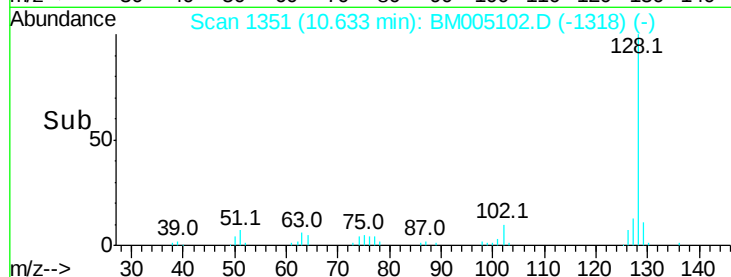
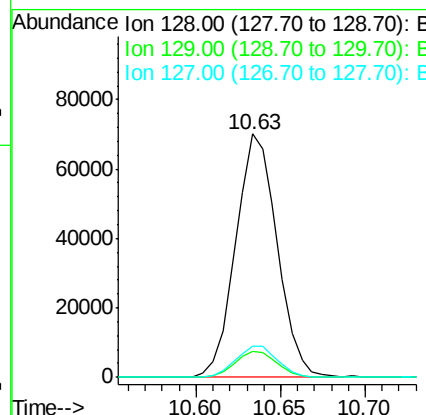
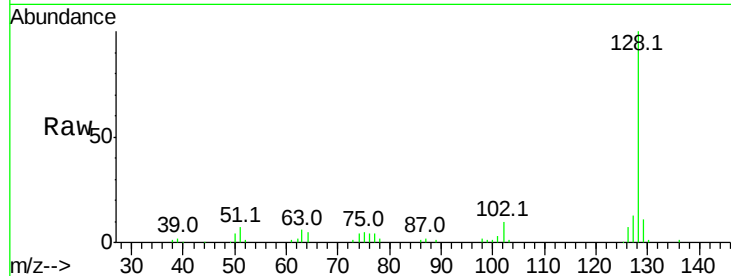
#28  
Naphthalene  
Concen: 7.78 ng/ul  
RT: 10.63 min Scan# 1351  
Delta R.T. -0.01 min  
Lab File: BM005102.D  
Acq: 27 Apr 2016 18:16

Instrument :  
BNA\_M  
ClientSampleId :  
BC7S9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 8.7   | 13.1  |
| 127     | 12.9  | 10.6  | 15.8  |

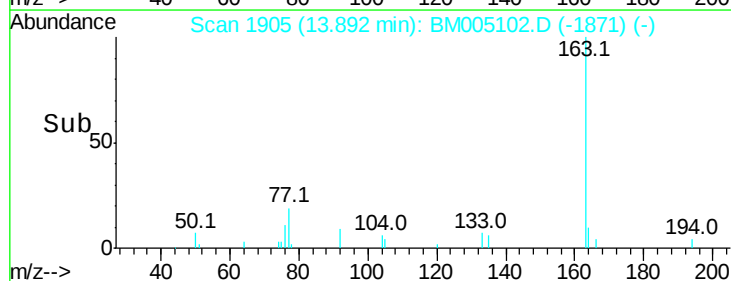
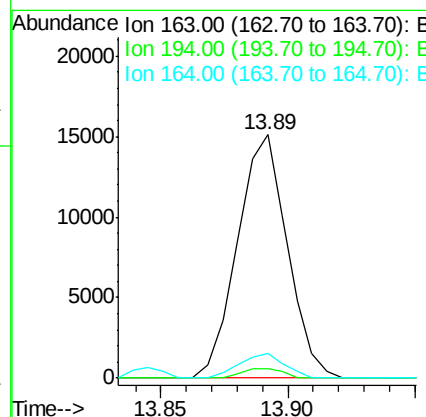
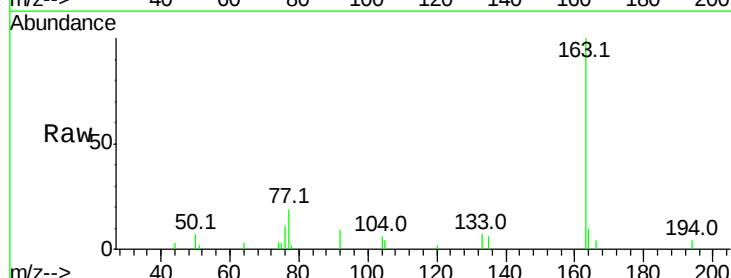
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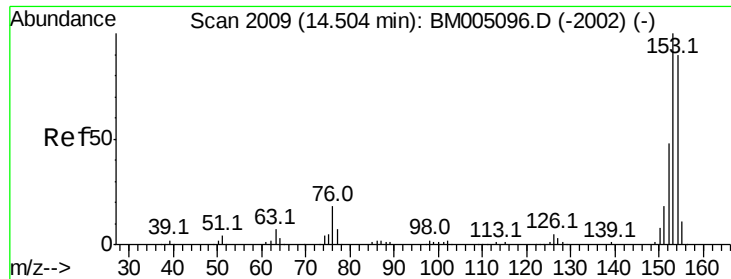
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#44  
Dimethylphthalate  
Concen: 1.32 ng/ul  
RT: 13.89 min Scan# 1905  
Delta R.T. -0.00 min  
Lab File: BM005102.D  
Acq: 27 Apr 2016 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 3.3   | 4.9   |
| 164     | 10.1  | 8.2   | 12.2  |





#49

Acenaphthene

Concen: 1.05 ng/ul

RT: 14.50 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BM005102.D

Acq: 27 Apr 2016 18:16

Instrument :

BNA\_M

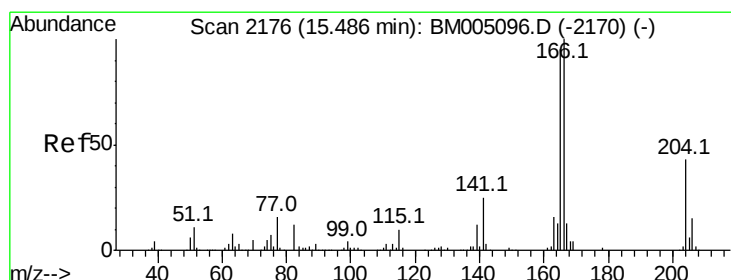
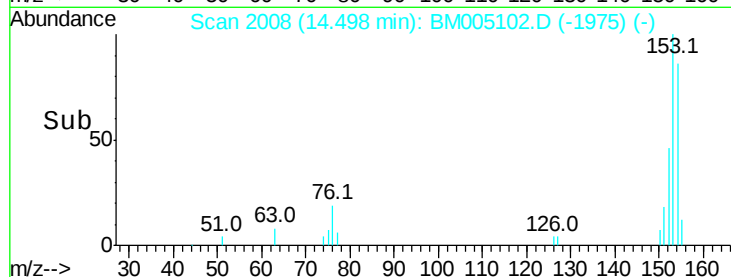
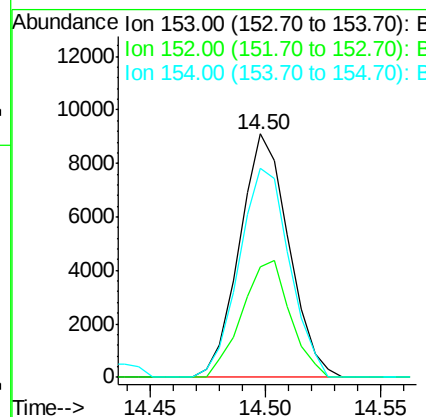
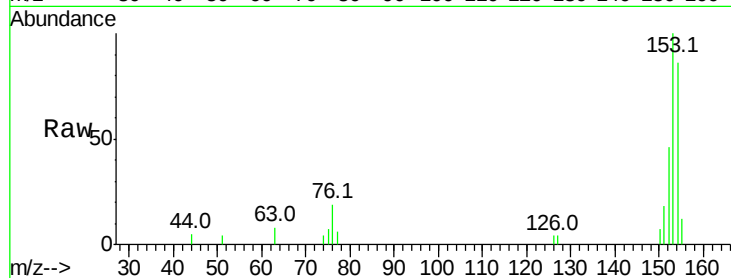
ClientSampleId :

BC7S9

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 153   | Resp: | 13549 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 45.5  | 37.7  | 56.5  |
| 154       | 85.9  | 71.4  | 107.2 |

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#58

Fluorene

Concen: 1.20 ng/ul

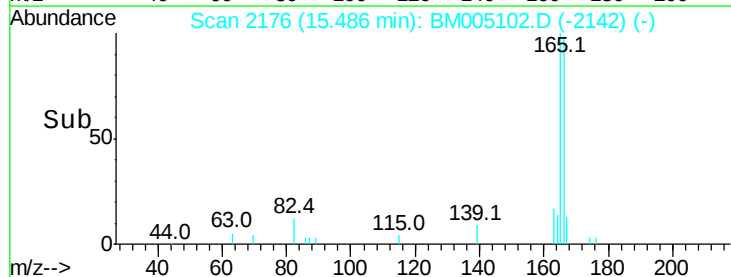
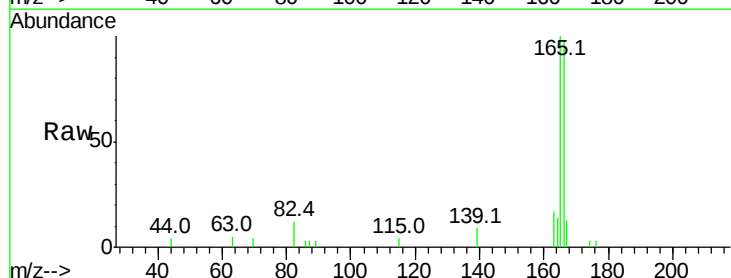
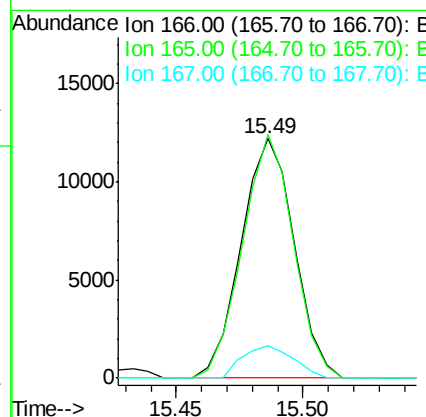
RT: 15.49 min Scan# 2176

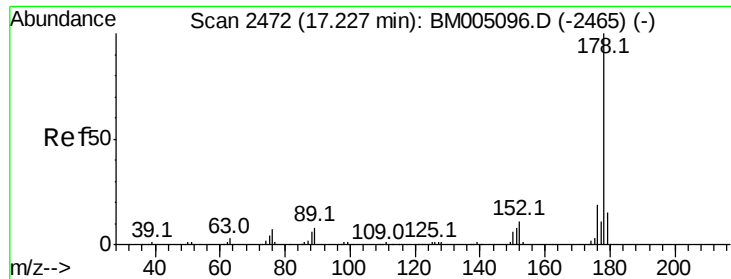
Delta R.T. -0.00 min

Lab File: BM005102.D

Acq: 27 Apr 2016 18:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 17741 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 101.7 | 77.7  | 116.5 |
| 167       | 13.5  | 10.9  | 16.3  |





#69

Phenanthrene

Concen: 2.36 ng/ul

RT: 17.23 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BM005102.D

Acq: 27 Apr 2016 18:16

Instrument :

BNA\_M

ClientSampleId :

BC7S9

Tot Ion:178 Resp: 57624

Ion Ratio Lower Upper

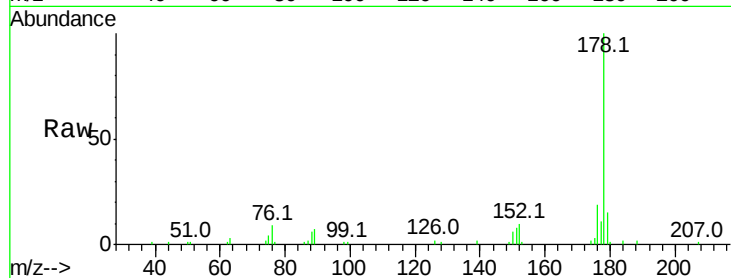
178 100

179 15.4 11.8 17.8

176 19.3 15.2 22.8

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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

