

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062117\  
 Data File : BM010636.D  
 Acq On : 21 Jun 2017 23:04  
 Operator : SJ/JU  
 Sample : I3627-16  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F5A89

Manual Integrations  
 APPROVED

mohammad  
 6/22/2017 5:33:03 PM

Quant Time: Jun 22 01:51:25 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 01:38:18 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 65764    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.23 | 136  | 303835   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.12 | 164  | 218390   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.87 | 188  | 545942   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.09 | 240  | 674146   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.23 | 264  | 612667   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 4536    | 3.95  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 126239  | 20.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67  | 76084   | 21.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.00  | 132 | 103539  | 23.56 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.17  | 113 | 112579  | 21.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.61  | 128 | 54112   | 24.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 64871   | 25.98 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 123806  | 23.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.37 | 131 | 127679  | 23.05 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.53 | 166 | 495208  | 25.83 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.80 | 160 | 554946  | 24.89 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.33 | 143 | 73293   | 21.72 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.12 | 176 | 411396  | 24.82 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 84276   | 25.13 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.97 | 188 | 688623m | 26.12 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.28 | 212 | 804420  | 25.69 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.09 | 264 | 771189  | 26.04 | ng/ul | 0.00 |

## Target Compounds

|                       |       |     |        |              | Qvalue |
|-----------------------|-------|-----|--------|--------------|--------|
| 6) Phenol             | 6.67  | 94  | 10307  | 1.597 ng/ul  | 94     |
| 44) Dimethylphthalate | 13.58 | 163 | 241068 | 12.828 ng/ul | 97     |
| 49) Acenaphthene      | 14.18 | 153 | 25847  | 1.804 ng/ul  | 87     |
| 53) Dibenzofuran      | 14.52 | 168 | 47387  | 2.184 ng/ul  | 99     |
| 58) Fluorene          | 15.17 | 166 | 32229  | 1.774 ng/ul  | 89     |
| 69) Phenanthrene      | 16.91 | 178 | 301480 | 10.387 ng/ul | 97     |
| 74) Fluoranthene      | 18.94 | 202 | 186382 | 4.983 ng/ul# | 97     |
| 77) Pyrene            | 19.31 | 202 | 106260 | 2.729 ng/ul# | 97     |

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

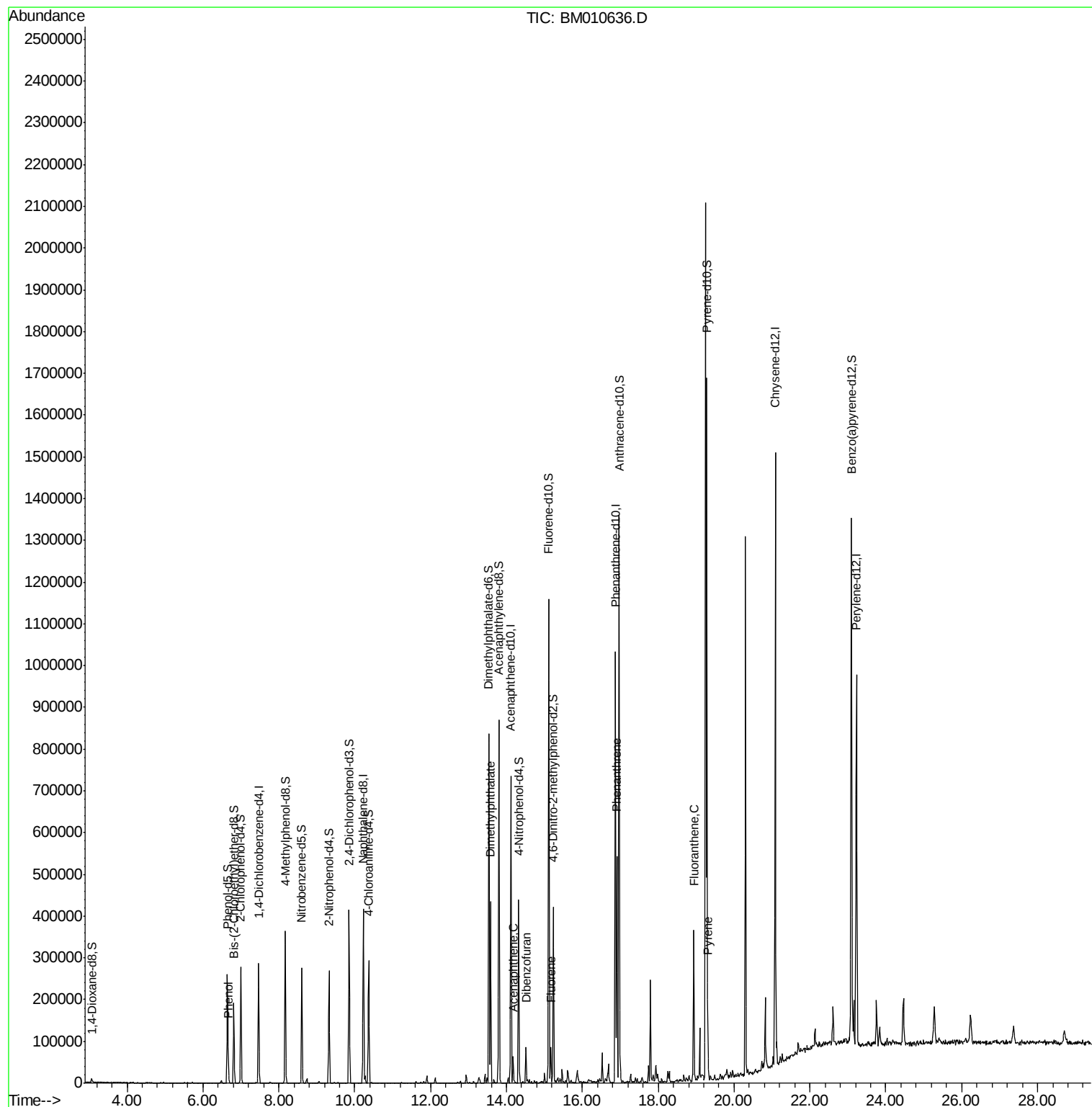
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062117\  
Data File : BM010636.D  
Acq On : 21 Jun 2017 23:04  
Operator : SJ/JU  
Sample : I3627-16  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

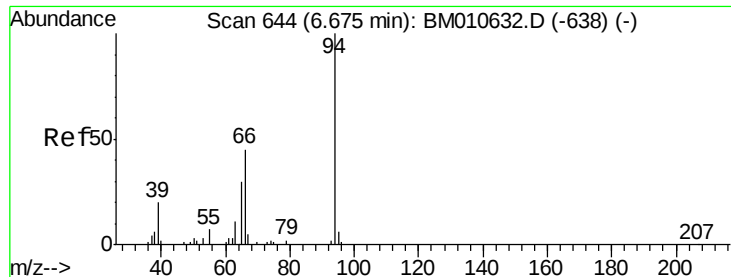
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 22 01:38:18 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 1.597 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

Instrument :

BNA\_M

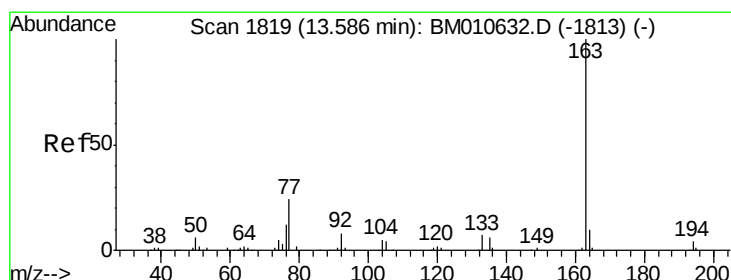
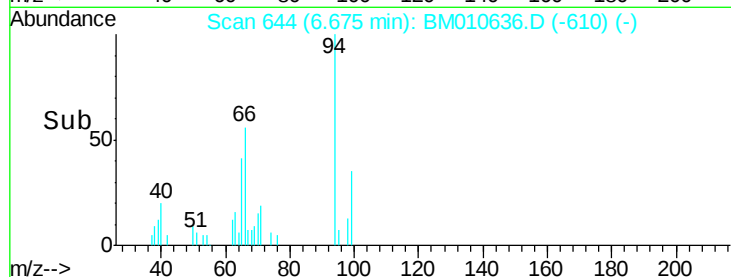
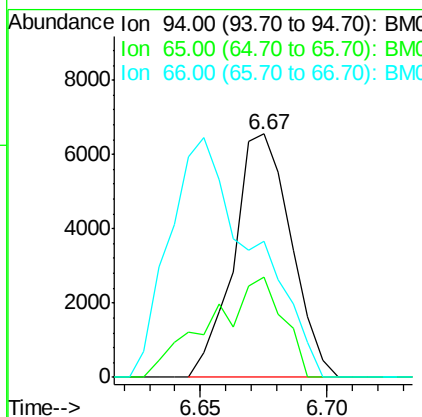
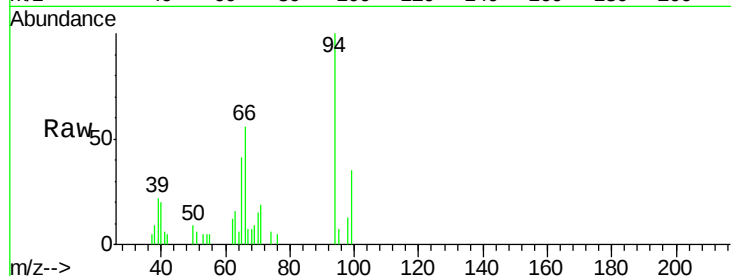
ClientSampled :

F5A89

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 10307 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 41.1  | 28.2  | 42.4  |
| 66       | 55.8  | 47.2  | 70.8  |

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#44

Dimethylphthalate

Concen: 12.828 ng/ul

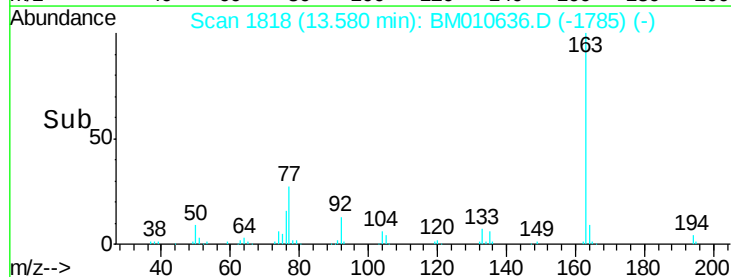
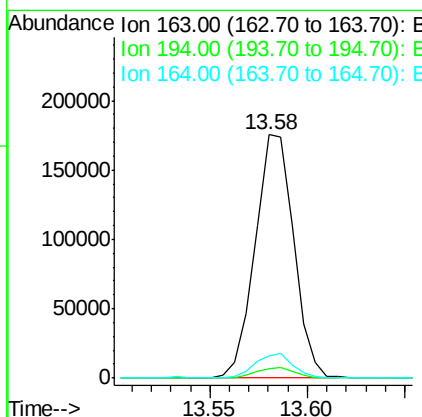
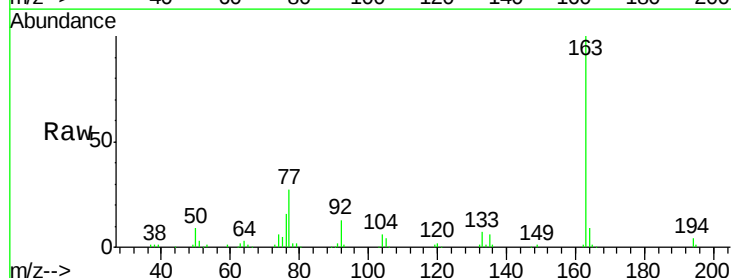
RT: 13.58 min Scan# 1818

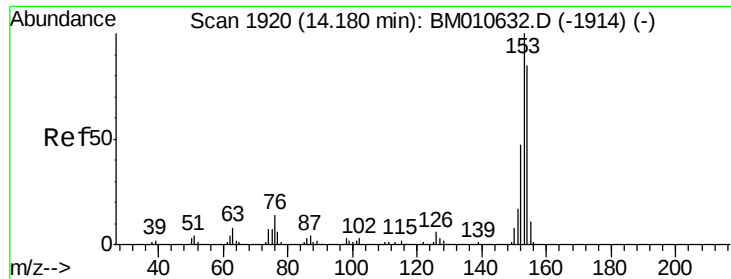
Delta R.T. -0.01 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 241068 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 3.8   | 3.5   | 5.3    |
| 164      | 9.1   | 8.2   | 12.4   |





#49

Acenaphthene

Concen: 1.804 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

Instrument :

BNA\_M

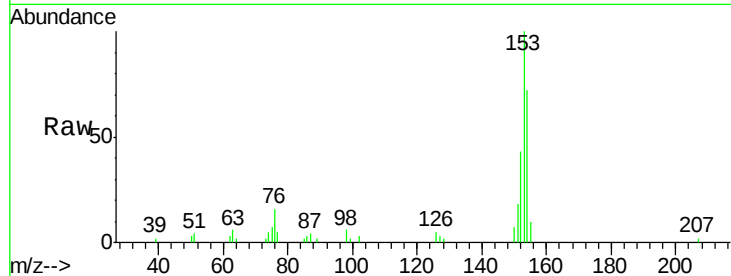
ClientSampled :

F5A89

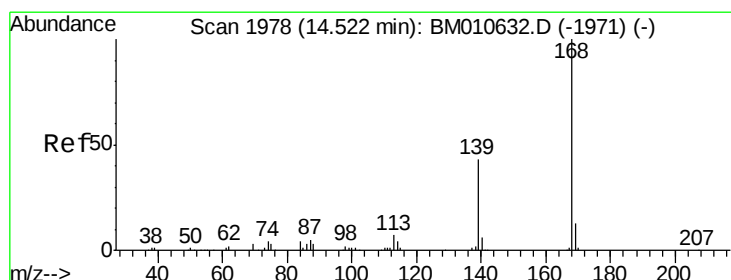
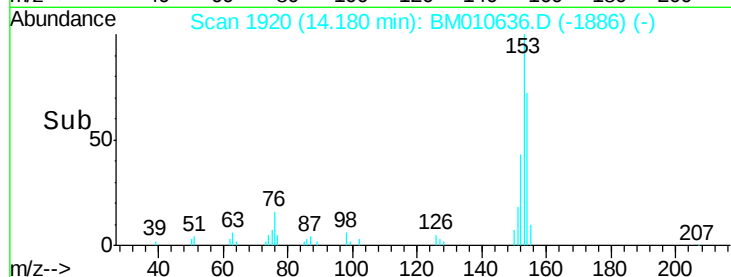
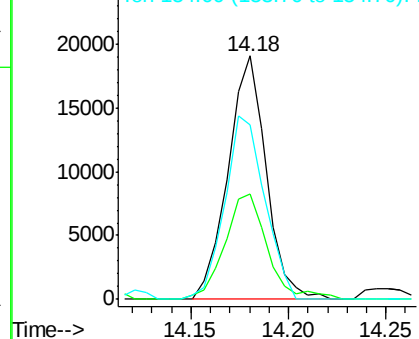
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 25847 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 43.2  | 37.6  | 56.4  |
| 154       | 71.7  | 70.4  | 105.6 |

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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: 2.184 ng/ul

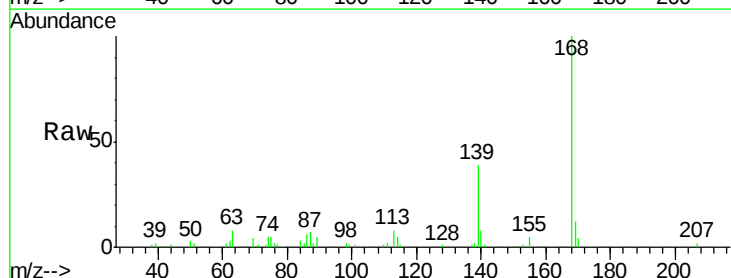
RT: 14.52 min Scan# 1977

Delta R.T. -0.01 min

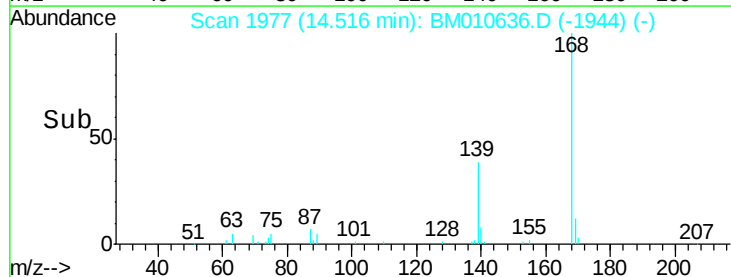
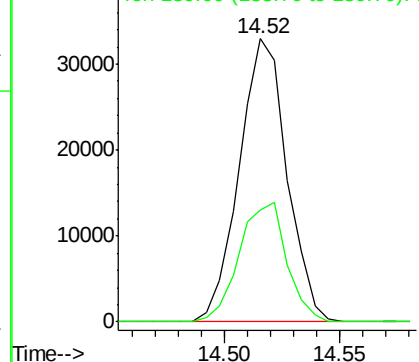
Lab File: BM010636.D

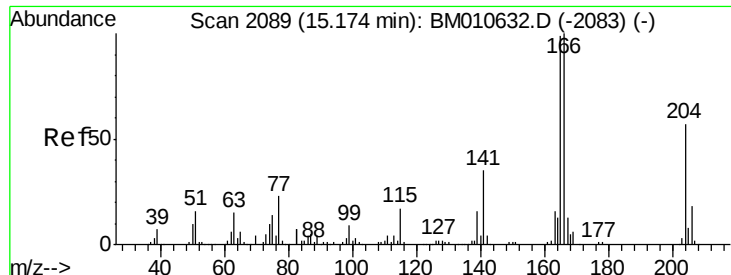
Acq: 21 Jun 2017 23:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 47387 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 39.3  | 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: 1.774 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

Instrument :

BNA\_M

ClientSampleId :

F5A89

Tgt Ion:166 Resp: 32229

Ion Ratio Lower Upper

166 100

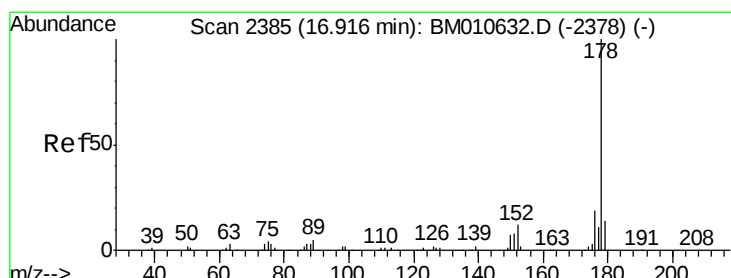
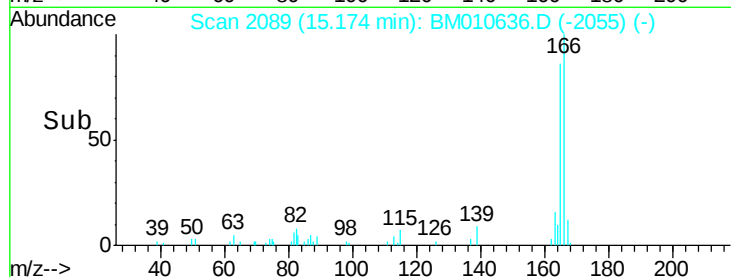
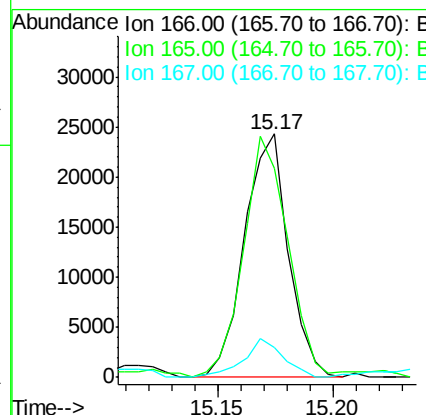
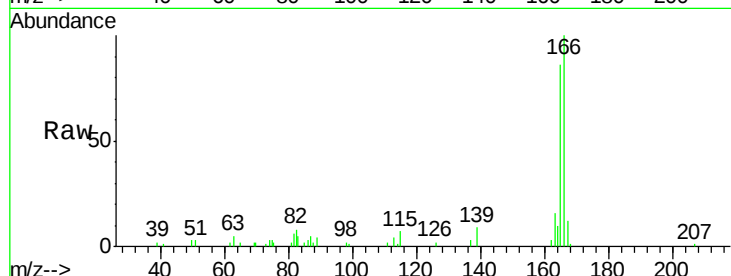
165 85.7 77.9 116.9

167 12.5 10.6 16.0

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#69

Phenanthrene

Concen: 10.387 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

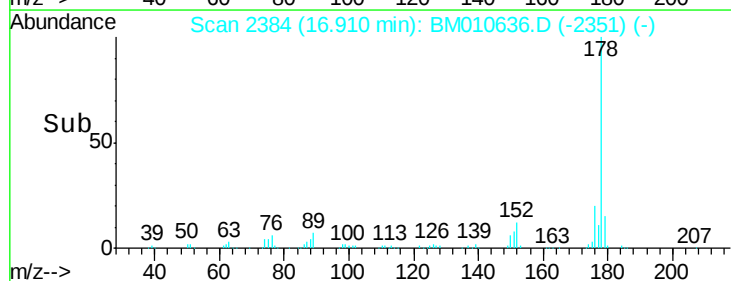
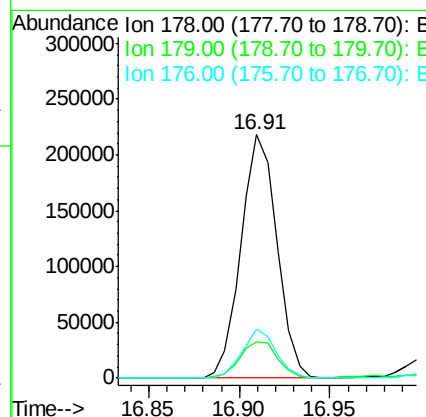
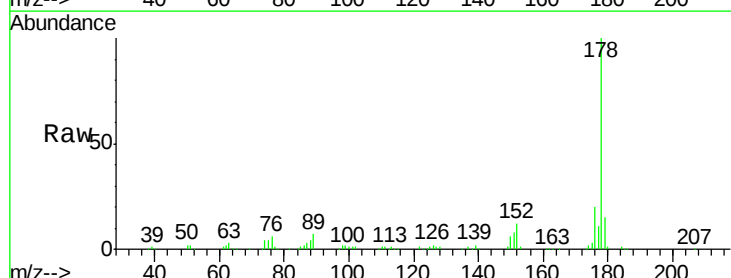
Tgt Ion:178 Resp: 301480

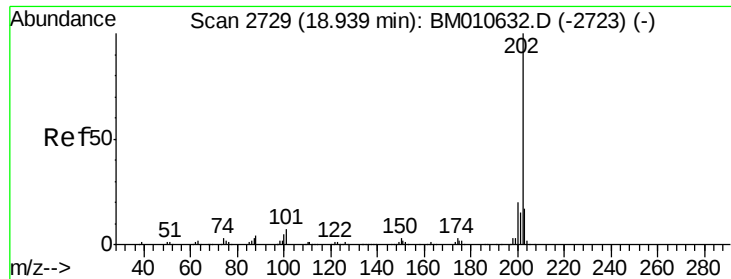
Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

176 20.0 14.9 22.3





#74

Fluoranthene

Concen: 4.983 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

Instrument :

BNA\_M

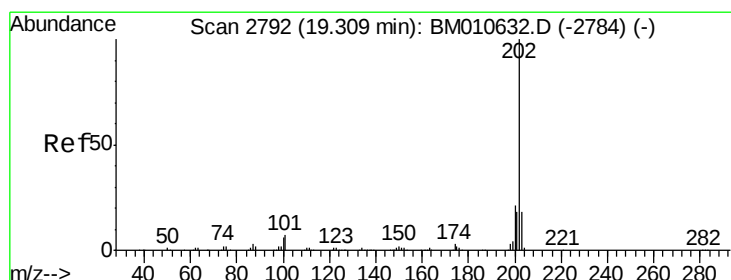
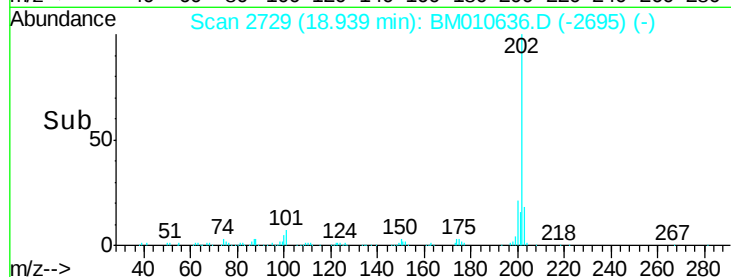
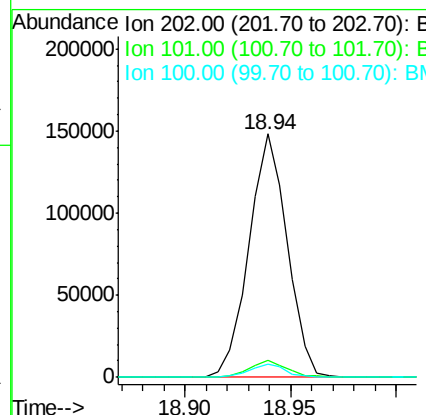
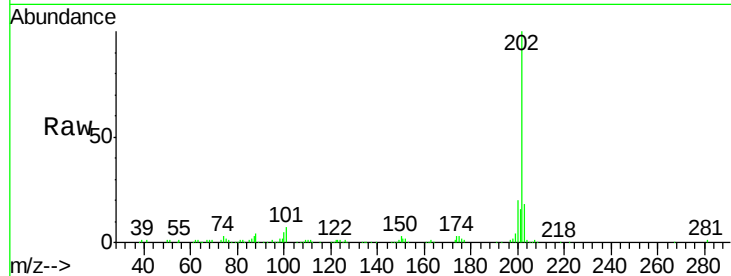
ClientSampleId :

F5A89

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 6.9   | 4.6        | 7.0        |
| 100     | 5.4   | 3.4        | 5.2#       |

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#77

Pyrene

Concen: 2.729 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BM010636.D

Acq: 21 Jun 2017 23:04

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 7.9   | 5.1        | 7.7#       |
| 100     | 5.7   | 4.9        | 7.3        |

