

Data File : BG026895.D  
Acq On : 8 May 2017 19:53  
Operator : SJ/MA  
Sample : I2975-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHAA0

Quant Time: May 09 01:05:00 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 09 01:04:53 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 182636   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.80 | 136  | 901376   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.62 | 164  | 479939   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.35 | 188  | 886807   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.60 | 240  | 814208   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.76 | 264  | 855430   | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.42  | 96  | 22147   | 5.46  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.18  | 99  | 137518  | 8.44  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 297785  | 31.07 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.54  | 132 | 361448  | 26.12 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.72  | 113 | 256152  | 18.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.16  | 128 | 224978  | 29.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 248645  | 30.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.43 | 165 | 380189  | 29.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.94 | 131 | 544668  | 31.25 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.02 | 166 | 1192209 | 30.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.31 | 160 | 1539146 | 31.72 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.86 | 143 | 36215   | 5.20  | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.60 | 176 | 998549  | 29.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 106531  | 19.78 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.45 | 188 | 1384446 | 32.17 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.73 | 212 | 1343386 | 31.26 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.55 | 264 | 1316442 | 32.55 | ng/ul | 0.00 |

Target Compounds

|                         |       |     |        |      |       | Qvalue |
|-------------------------|-------|-----|--------|------|-------|--------|
| 28) Naphthalene         | 10.85 | 128 | 416253 | 8.87 | ng/ul | 99     |
| 34) 2-Methylnaphthalene | 12.45 | 142 | 93858  | 2.70 | ng/ul | 93     |
| 49) Acenaphthene        | 14.68 | 153 | 147873 | 4.30 | ng/ul | 95     |
| 53) Dibenzofuran        | 15.02 | 168 | 73829  | 1.61 | ng/ul | 91     |
| 58) Fluorene            | 15.66 | 166 | 91541  | 2.45 | ng/ul | 97     |
| 69) Phenanthrene        | 17.40 | 178 | 170211 | 3.41 | ng/ul | 99     |
| 71) Anthracene          | 17.40 | 178 | 170211 | 3.32 | ng/ul | 97     |

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

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Sample : I2975-01

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ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

JHAA0

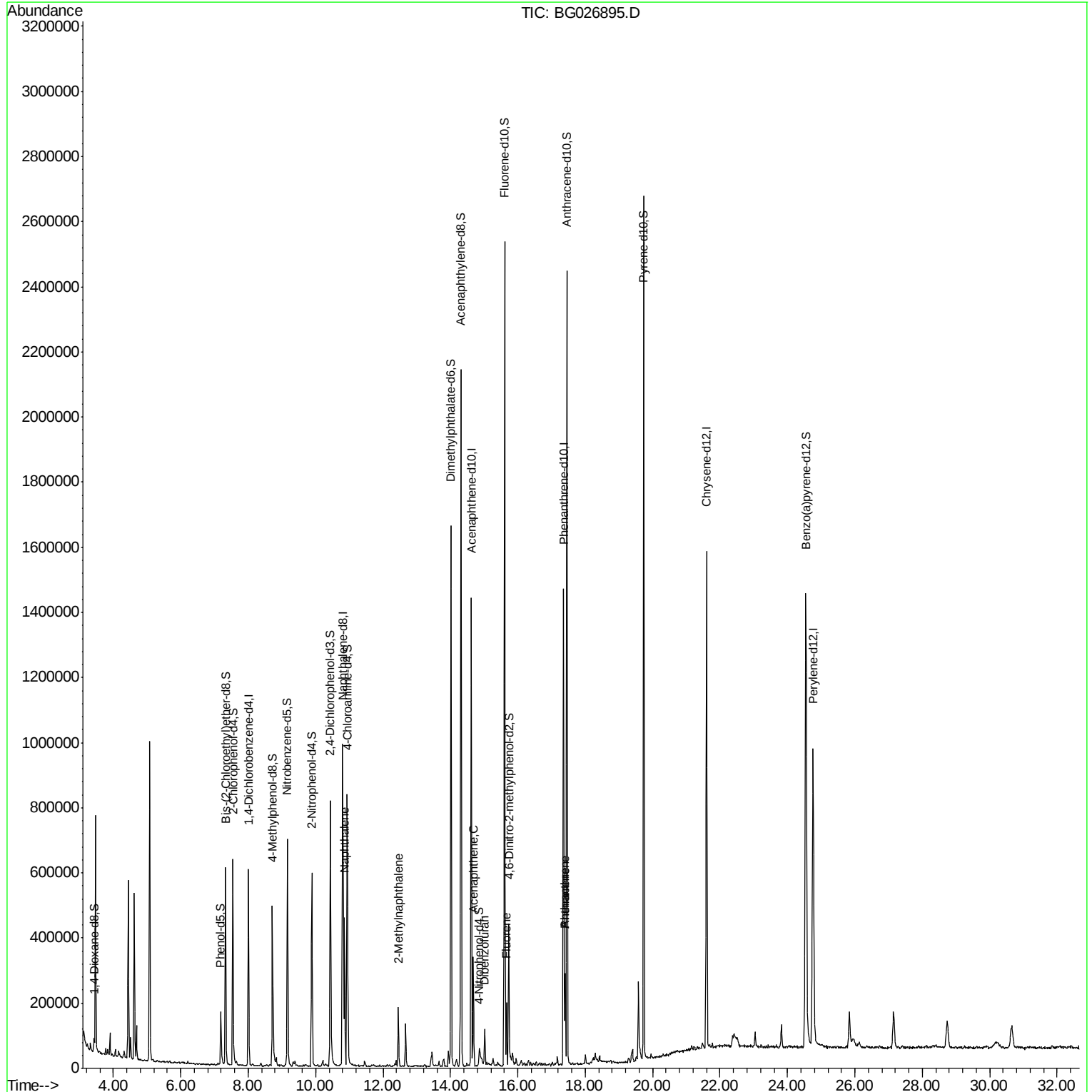
Quant Time: May 09 01:05:00 2017

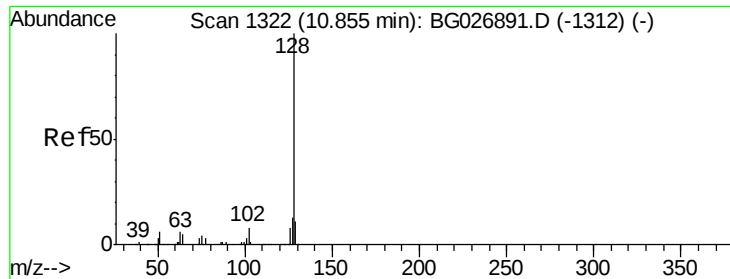
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 09 01:04:53 2017

Response via : Initial Calibration

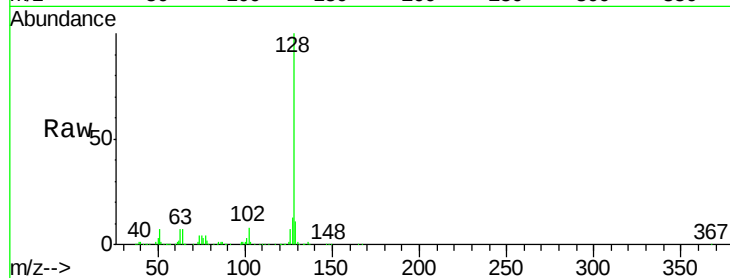




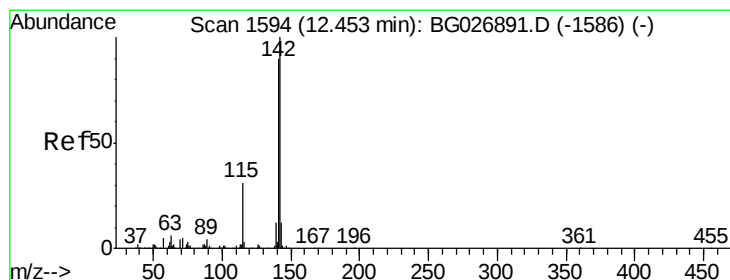
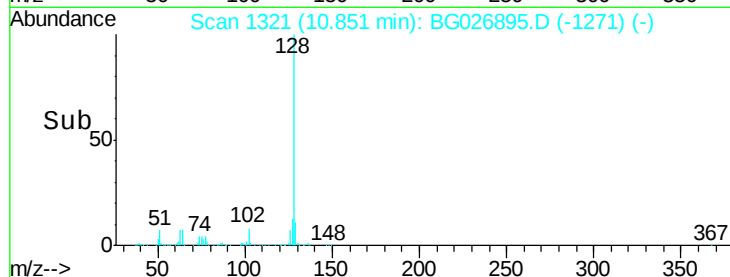
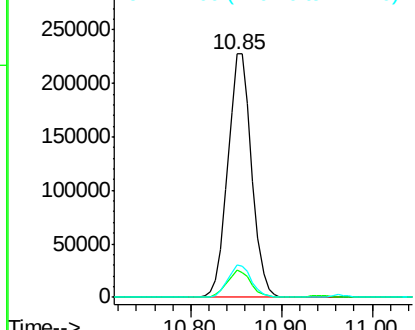
#28  
Naphthalene  
Concen: 8.87 ng/ul  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.00 min  
Lab File: BG026895.D  
Acq: 8 May 2017 19:53

Instrument :  
BNA\_G  
ClientSampleId :  
JHAA0

Tgt Ion:128 Resp: 416253  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.4 14.2  
127 13.2 10.3 15.5

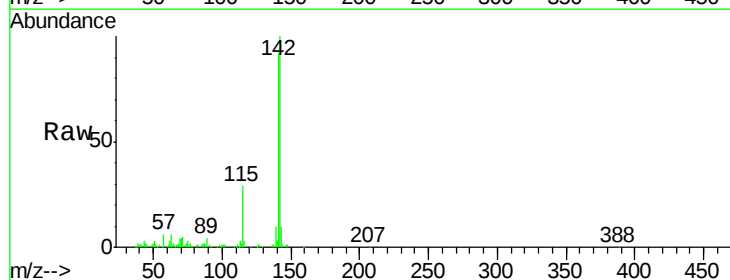


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

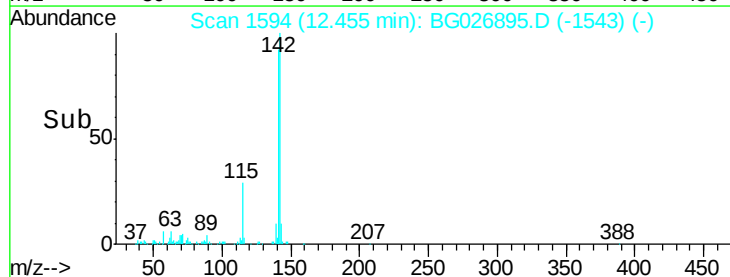
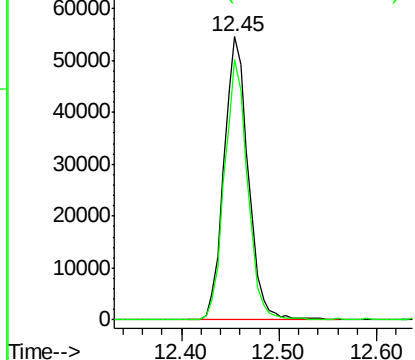


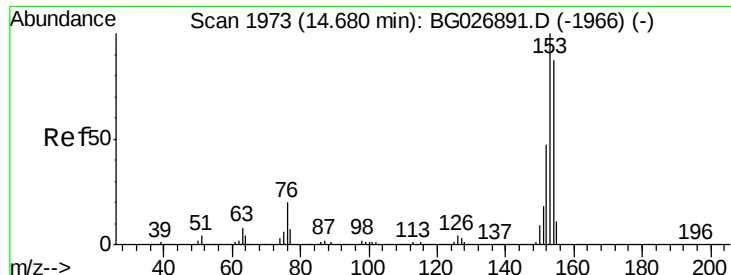
#34  
2-Methylnaphthalene  
Concen: 2.70 ng/ul  
RT: 12.45 min Scan# 1594  
Delta R.T. 0.00 min  
Lab File: BG026895.D  
Acq: 8 May 2017 19:53

Tgt Ion:142 Resp: 93858  
Ion Ratio Lower Upper  
142 100  
141 91.9 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 4.30 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

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Acq: 8 May 2017 19:53

Instrument :

BNA\_G

ClientSampleId :

JHAA0

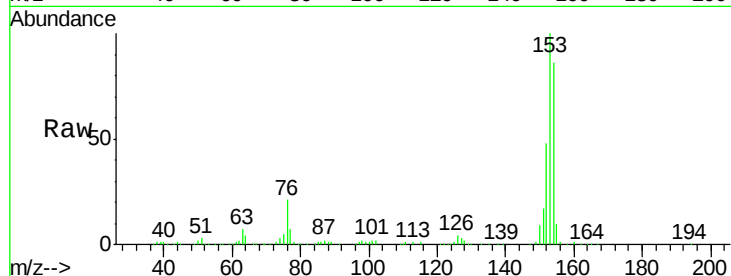
Tgt Ion:153 Resp: 147873

Ion Ratio Lower Upper

153 100

152 48.0 36.5 54.7

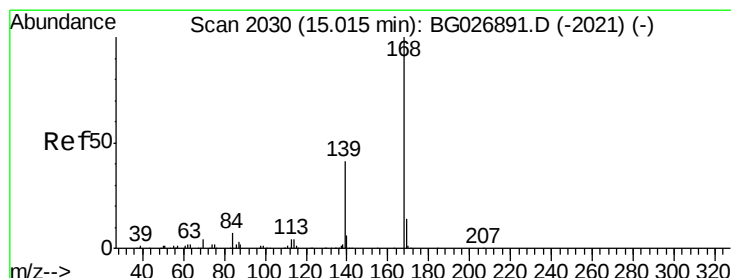
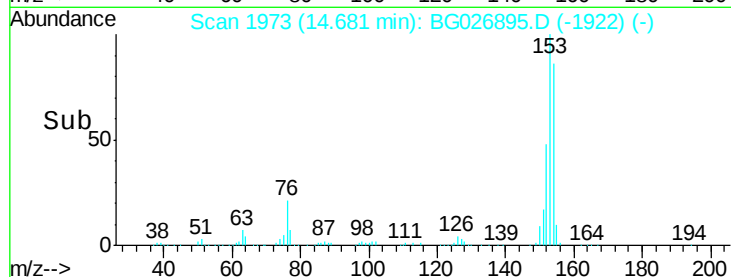
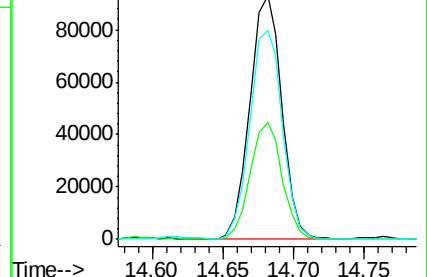
154 85.7 72.3 108.5



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: 1.61 ng/ul

RT: 15.02 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG026895.D

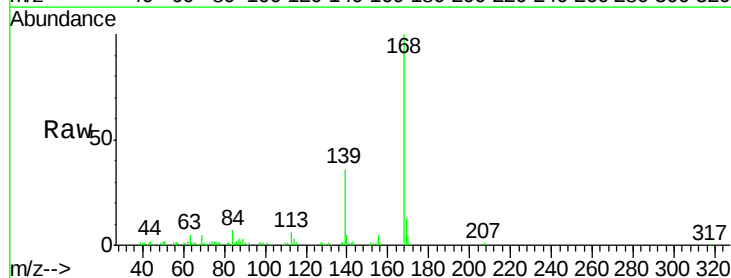
Acq: 8 May 2017 19:53

Tgt Ion:168 Resp: 73829

Ion Ratio Lower Upper

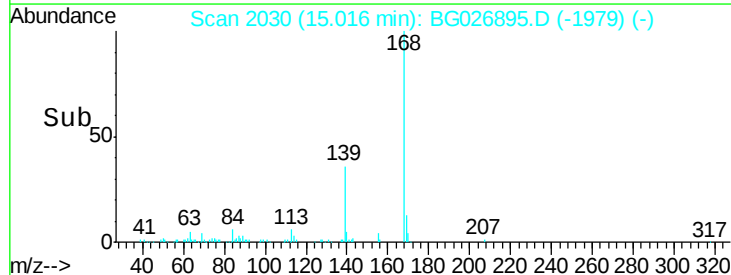
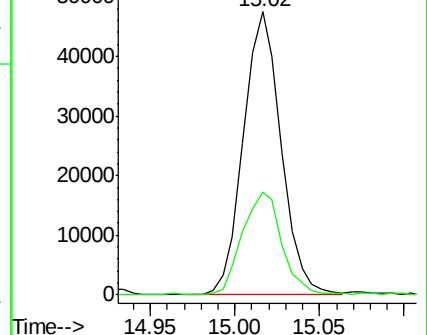
168 100

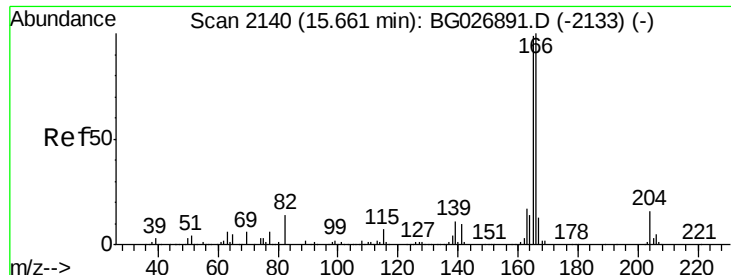
139 36.5 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.45 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BG026895.D

Acq: 8 May 2017 19:53

Instrument :

BNA\_G

ClientSampleId :

JHAA0

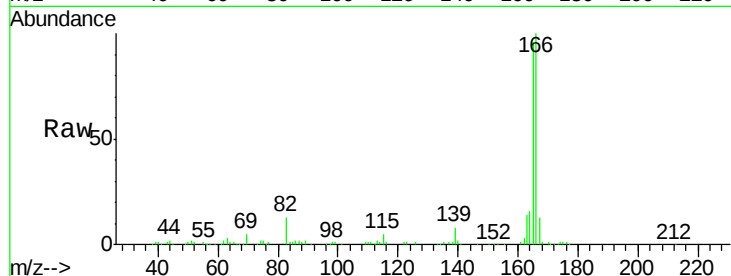
Tgt Ion:166 Resp: 91541

Ion Ratio Lower Upper

166 100

165 96.4 79.7 119.5

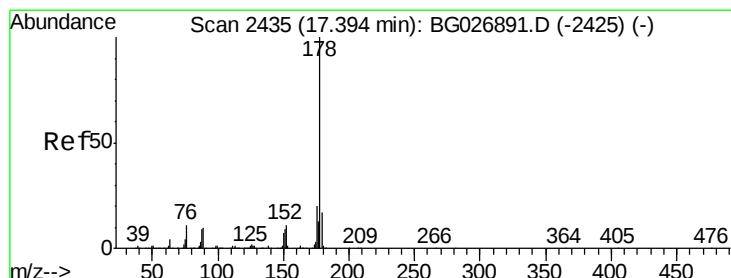
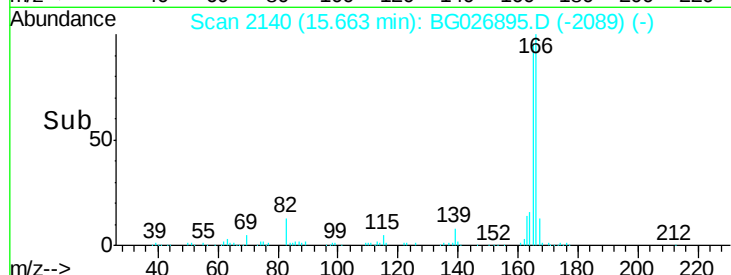
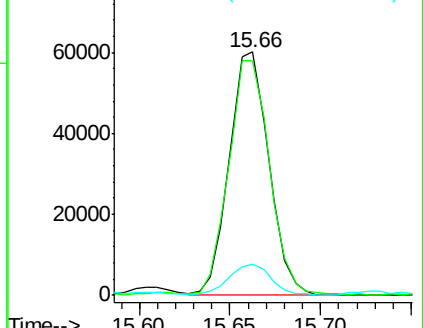
167 13.0 11.4 17.2



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: 3.41 ng/ul

RT: 17.40 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG026895.D

Acq: 8 May 2017 19:53

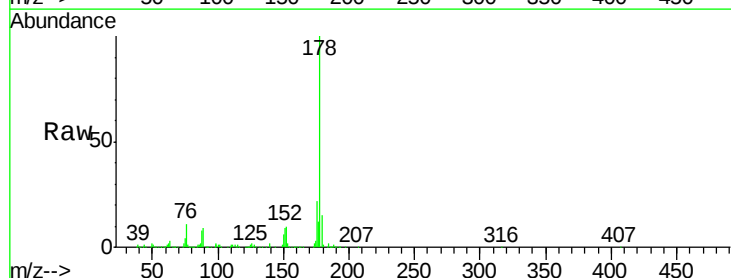
Tgt Ion:178 Resp: 170211

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

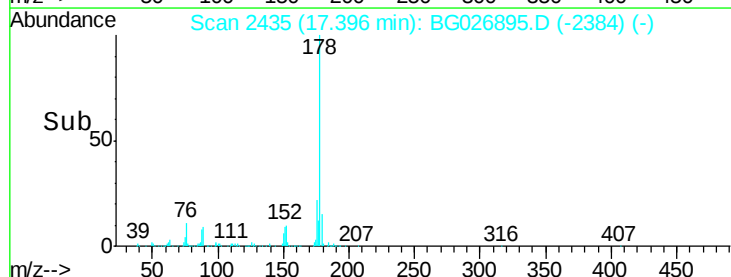
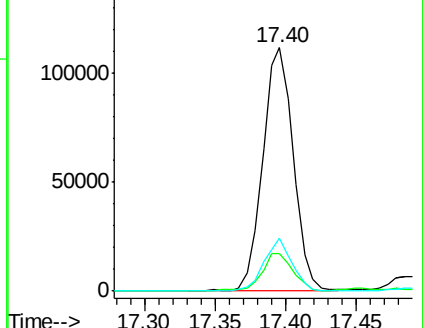
176 21.6 16.5 24.7

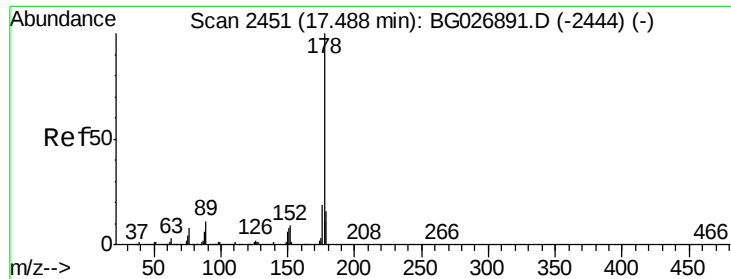


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

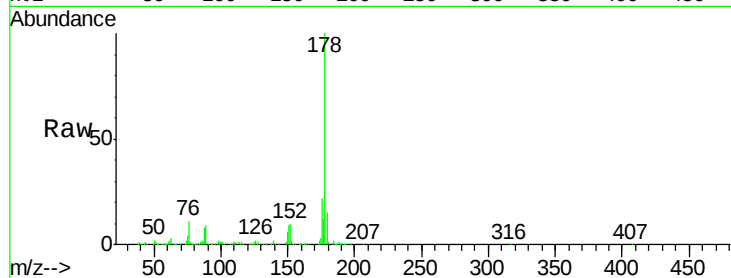




#71  
 Anthracene  
 Concen: 3.32 ng/ul  
 RT: 17.40 min Scan# 2435  
 Delta R.T. -0.09 min  
 Lab File: BG026895.D  
 Acq: 8 May 2017 19:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHAA0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 12.6  | 19.0  |
| 176     | 21.6  | 15.9  | 23.9  |



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

