

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\  
 Data File : BM022253.D  
 Acq On : 23 Aug 2019 13:18  
 Operator : HP/JU  
 Sample : K4337-14  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF6

Quant Time: Aug 27 05:12:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 23 13:10:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 33186    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 147834   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 104187   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.97 | 188  | 247209   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.19 | 240  | 291774   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.38 | 264  | 274911   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 646    | 0.87  | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.76  | 99  | 18029  | 6.29  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 50297  | 30.19 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 57415  | 24.83 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 37290  | 15.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 36661  | 33.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 43653  | 34.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 76690  | 29.36 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.52 | 131 | 9235   | 2.91  | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 305408 | 33.29 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 320356 | 32.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.50 | 143 | 5602   | 4.12  | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.22 | 176 | 255422 | 33.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 48994  | 25.68 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.08 | 188 | 440549 | 33.65 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 589033 | 38.84 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.24 | 264 | 528640 | 35.00 | ng/ul | 0.00 |

## Target Compounds

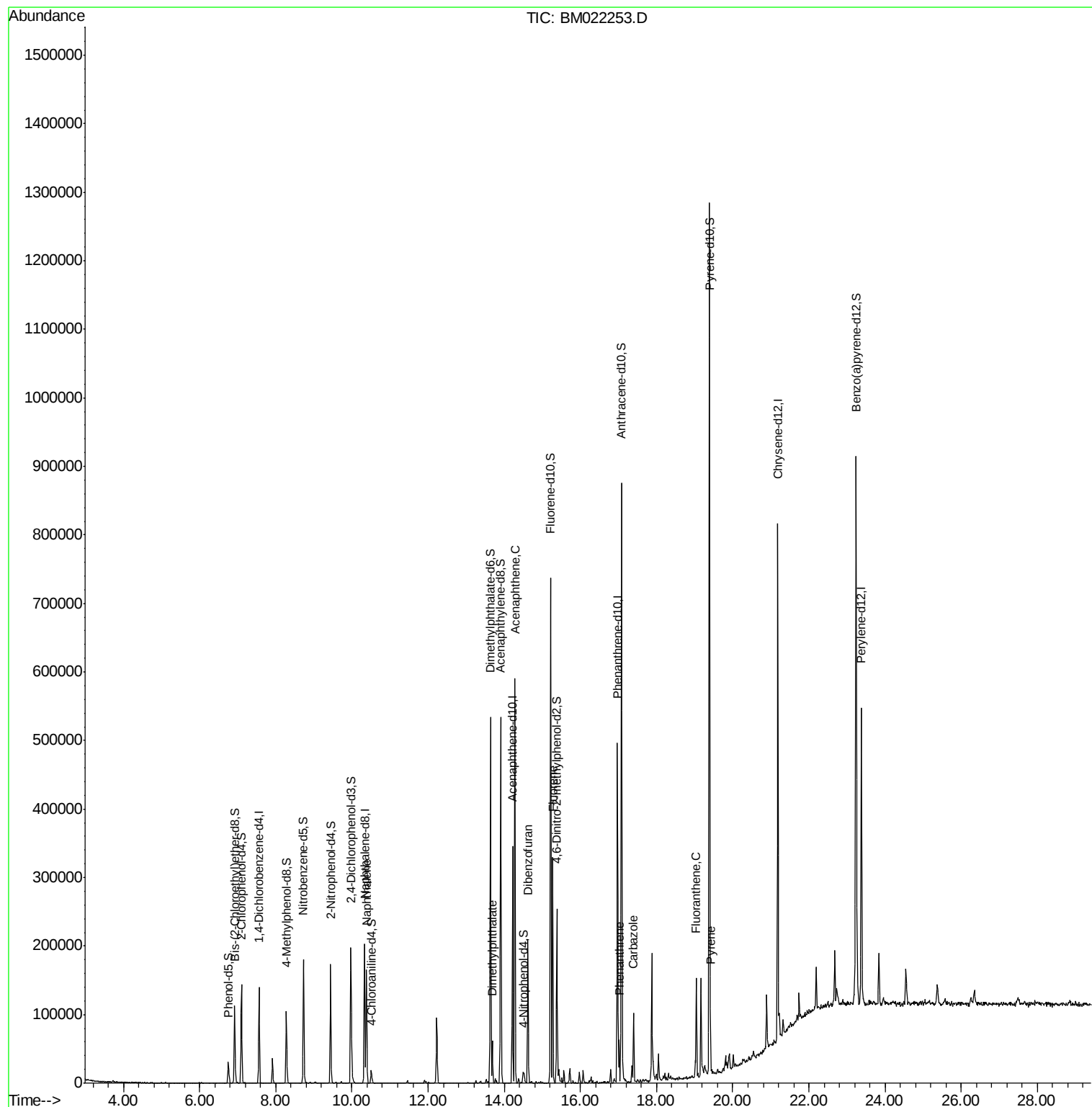
|                       |       |     |        |        | Ovalue    |
|-----------------------|-------|-----|--------|--------|-----------|
| 28) Naphthalene       | 10.38 | 128 | 119636 | 14.664 | ng/ul 98  |
| 44) Dimethylphthalate | 13.69 | 163 | 33797  | 3.620  | ng/ul# 96 |
| 49) Acenaphthene      | 14.28 | 153 | 211011 | 29.002 | ng/ul 99  |
| 53) Dibenzofuran      | 14.62 | 168 | 113850 | 10.506 | ng/ul 97  |
| 58) Fluorene          | 15.27 | 166 | 126422 | 13.851 | ng/ul 99  |
| 69) Phenanthrene      | 17.02 | 178 | 31747  | 2.147  | ng/ul 98  |
| 74) Carbazole         | 17.40 | 167 | 56253  | 4.047  | ng/ul 99  |
| 76) Fluoranthene      | 19.04 | 202 | 73308  | 3.289  | ng/ul 97  |
| 79) Pvrene            | 19.42 | 202 | 47506  | 2.515  | ng/ul 98  |

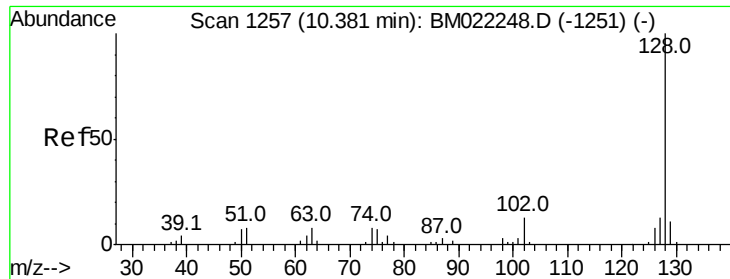
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 23 13:10:05 2019  
Response via : Initial Calibration





#28

Naphthalene

Concen: 14.664 ng/ul

RT: 10.38 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

Instrument :

BNA\_M

ClientSampleId :

C0AF6

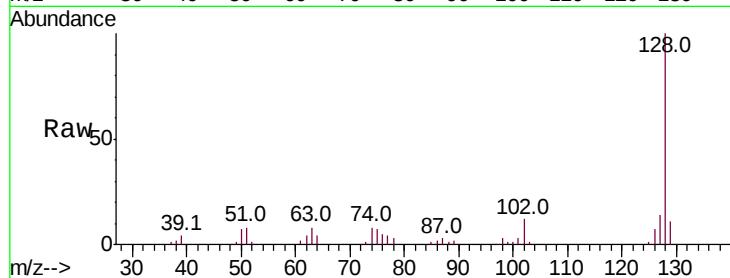
Tot Ion:128 Resp: 119636

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

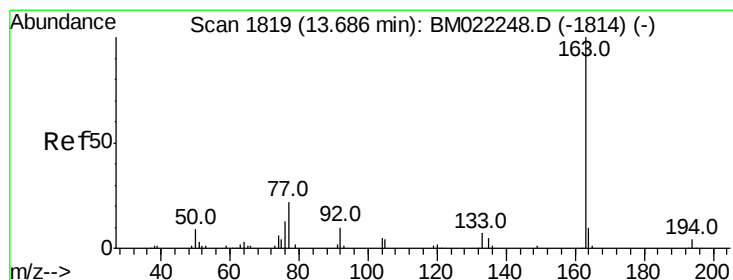
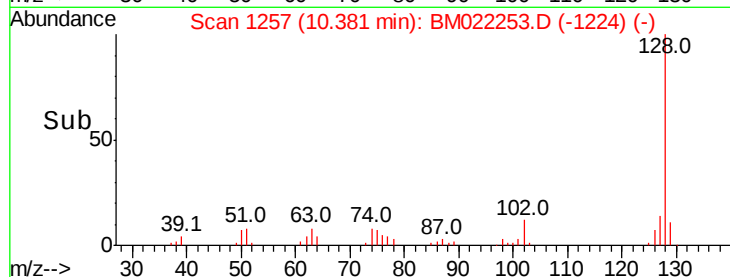
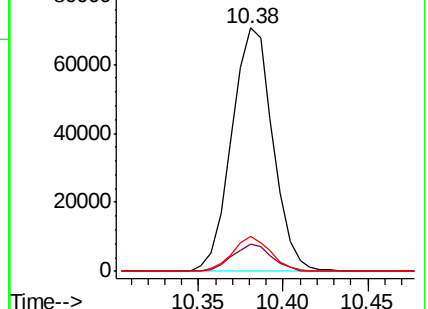
127 14.4 10.4 15.6



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



#44

Dimethylphthalate

Concen: 3.620 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

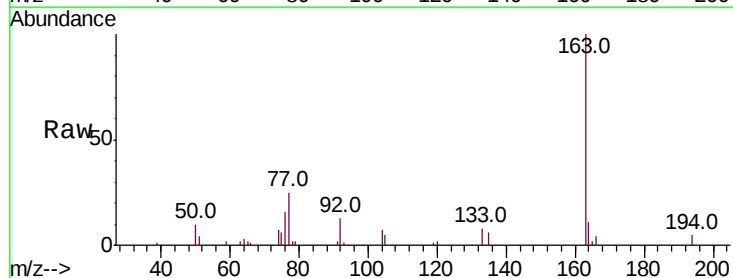
Tgt Ion:163 Resp: 33797

Ion Ratio Lower Upper

163 100

194 4.9 3.0 4.6#

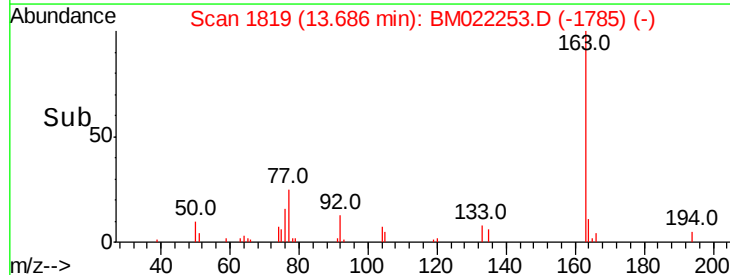
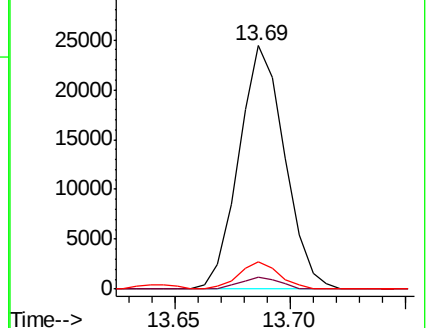
164 11.1 7.8 11.8

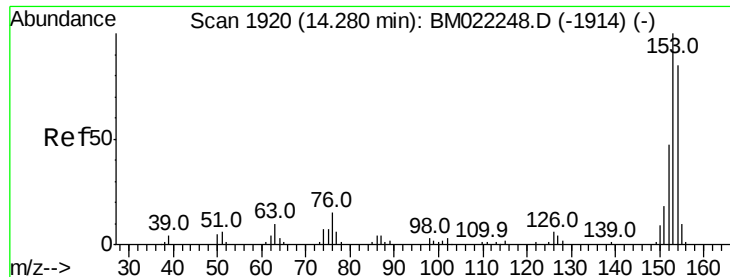


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 29.002 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

Instrument :

BNA\_M

ClientSampleId :

C0AF6

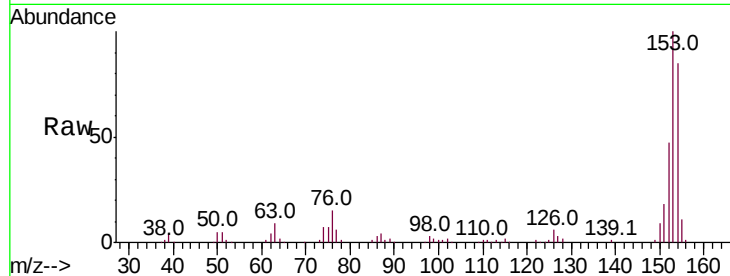
Tot Ion:153 Resp: 211011

Ion Ratio Lower Upper

153 100

152 47.4 38.6 58.0

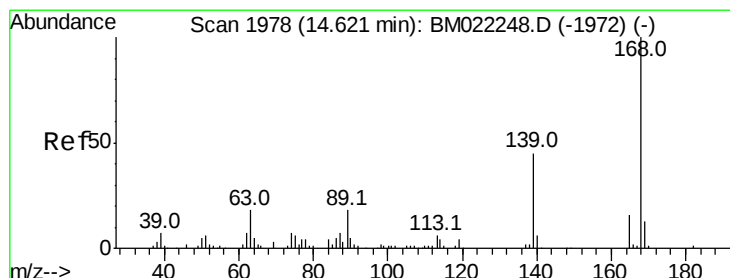
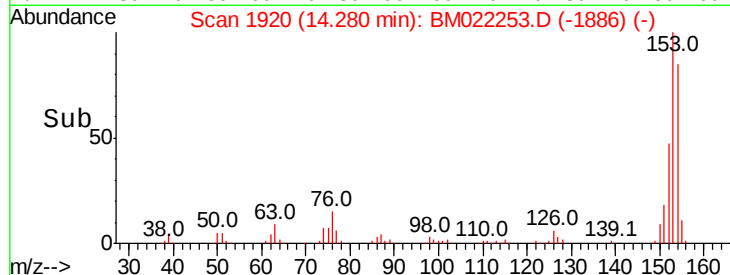
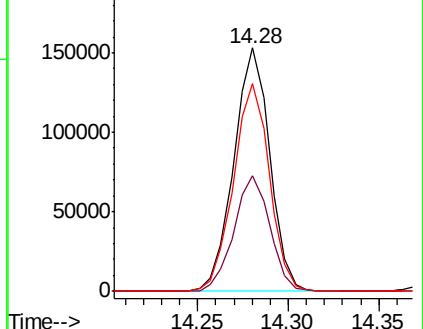
154 85.5 68.9 103.3



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: 10.506 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM022253.D

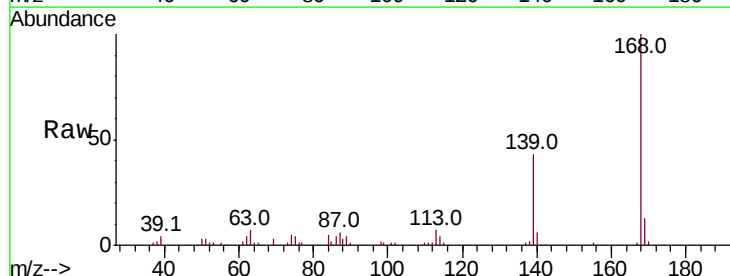
Acq: 23 Aug 2019 13:18

Tgt Ion:168 Resp: 113850

Ion Ratio Lower Upper

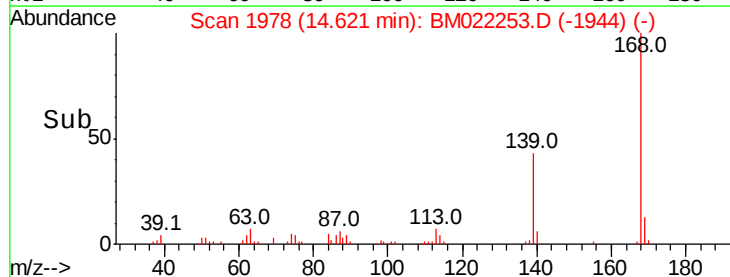
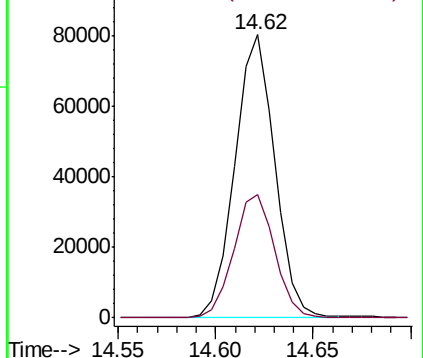
168 100

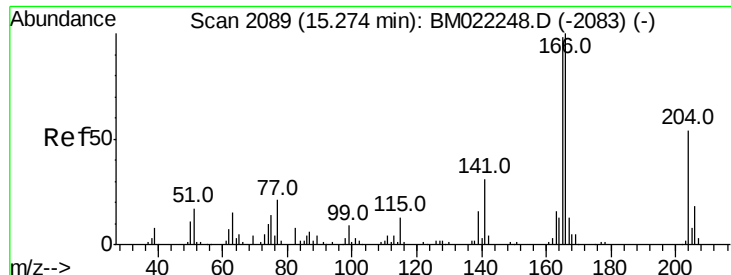
139 43.4 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 13.851 ng/ul

RT: 15.27 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

Instrument :

BNA\_M

ClientSampleId :

C0AF6

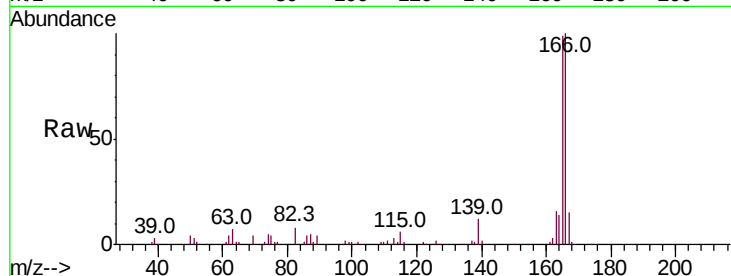
Tot Ion:166 Resp: 126422

Ion Ratio Lower Upper

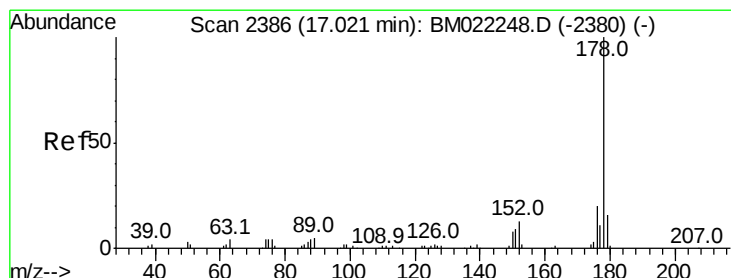
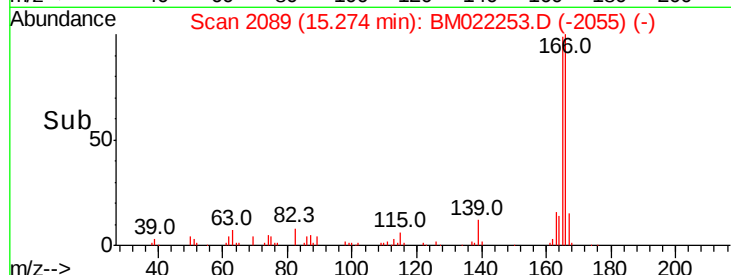
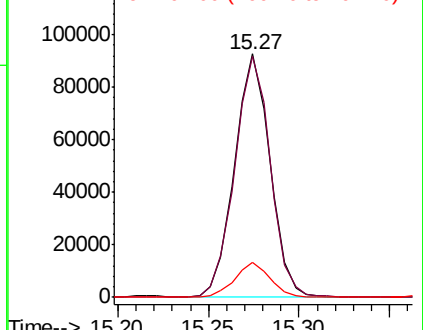
166 100

165 98.8 80.2 120.2

167 14.6 11.4 17.0



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: 2.147 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

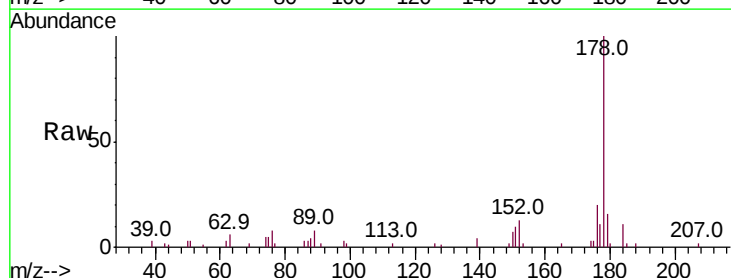
Tgt Ion:178 Resp: 31747

Ion Ratio Lower Upper

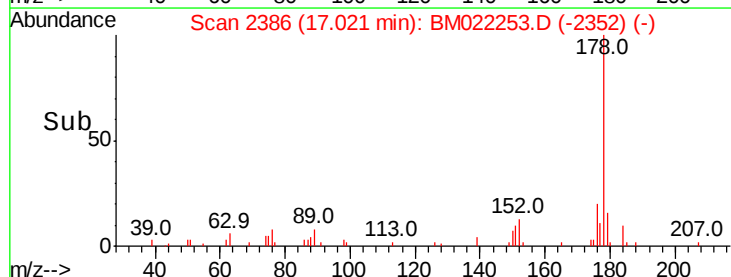
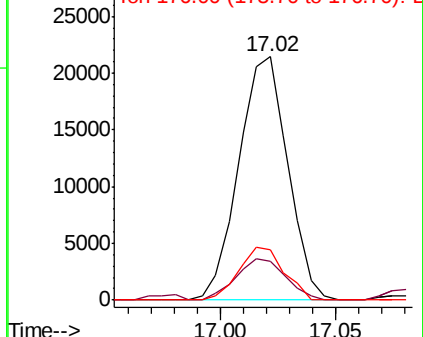
178 100

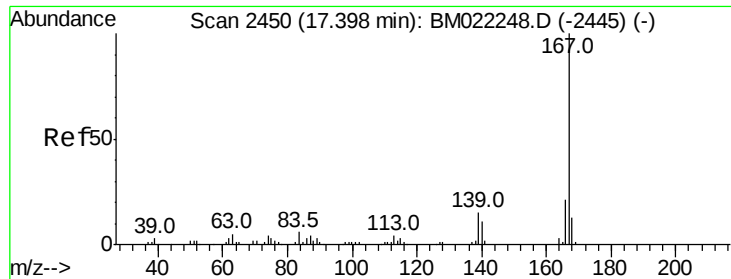
179 16.1 12.4 18.6

176 20.5 15.4 23.0



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





#74

Carbazole

Concen: 4.047 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

Instrument :

BNA\_M

ClientSampled :

C0AF6

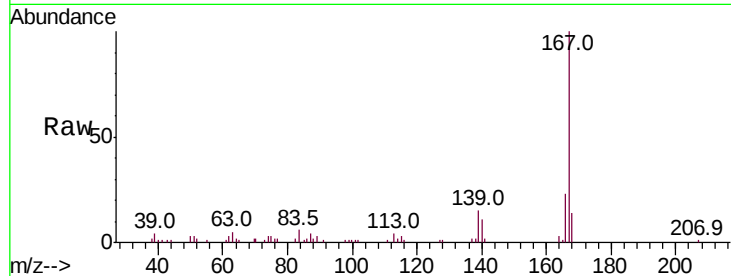
Tot Ion:167 Resp: 56253

Ion Ratio Lower Upper

167 100

166 22.6 17.8 26.8

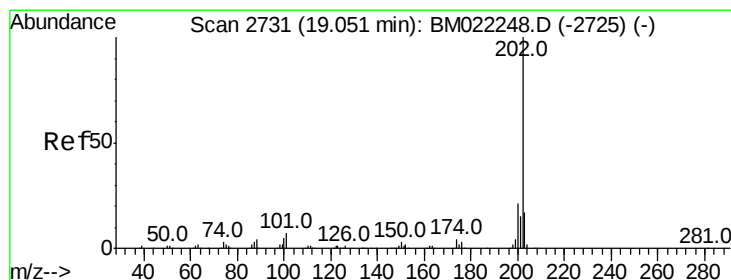
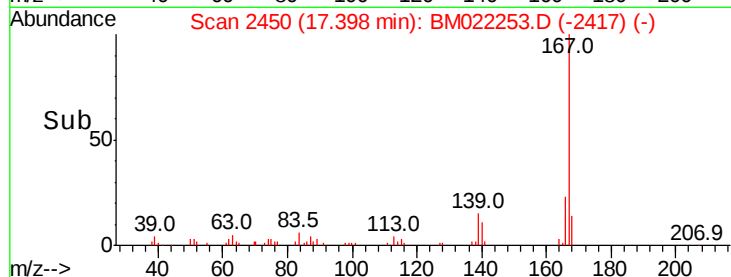
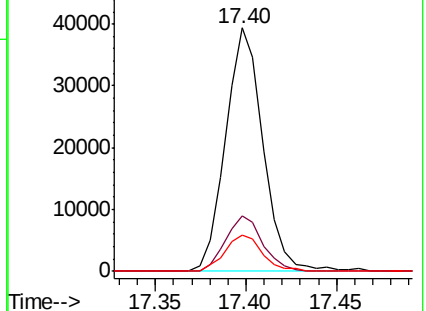
139 15.1 11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 3.289 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM022253.D

Acq: 23 Aug 2019 13:18

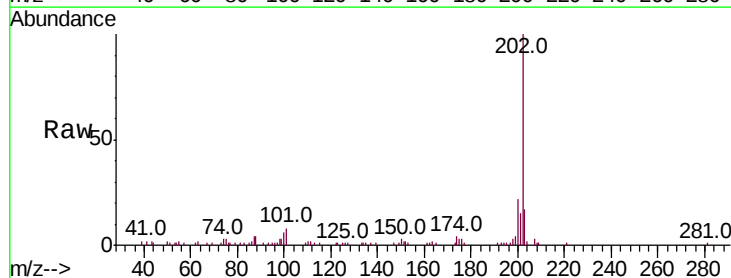
Tgt Ion:202 Resp: 73308

Ion Ratio Lower Upper

202 100

101 7.9 5.3 7.9

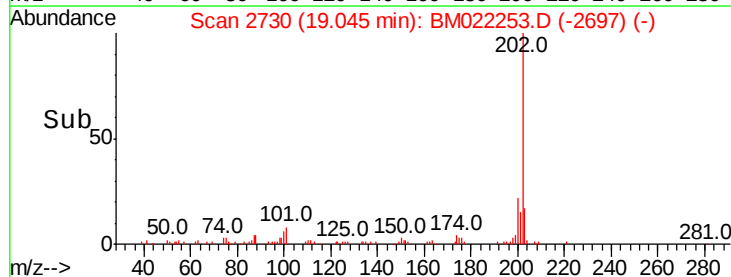
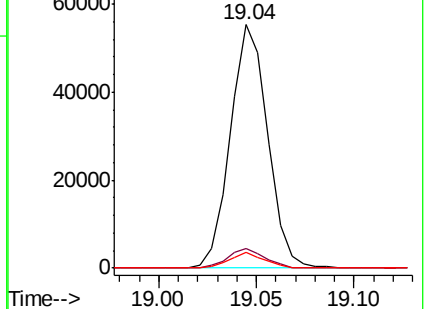
100 6.3 4.6 6.8

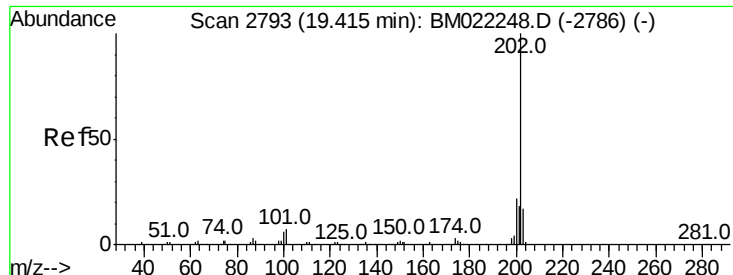


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79  
 Pvrene  
 Concen: 2.515 ng/ul  
 RT: 19.42 min Scan# 2793  
 Delta R.T. 0.00 min  
 Lab File: BM022253.D  
 Acq: 23 Aug 2019 13:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 47506 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.5   | 7.0   | 10.4  |
| 100       | 6.9   | 5.8   | 8.8   |

