

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM100119\  
 Data File : BM022880.D  
 Acq On : 02 Oct 2019 07:23  
 Operator : JU  
 Sample : K4932-13  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFDK1

Quant Time: Oct 02 14:35:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 27 18:03:27 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 312932   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.59 | 136  | 1382564  | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.44 | 164  | 822357   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.17 | 188  | 1428344  | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.36 | 240  | 1039013  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.62 | 264  | 1194364  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 36347   | 5.02  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.97  | 99  | 168144  | 6.08  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 342391  | 22.63 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 423783  | 19.03 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 297656  | 13.15 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 249604  | 23.39 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 279976  | 24.03 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 506871  | 21.85 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 442558  | 15.70 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.84 | 166 | 1653251 | 25.90 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8          | 14.13 | 160 | 1782971 | 24.20 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.63 | 143 | 68755   | 5.45  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.43 | 176 | 1328945 | 24.43 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 227686  | 24.49 | ng/ul | -0.01 |
| 71) Anthracene-d10             | 17.27 | 188 | 1952644 | 27.99 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.57 | 212 | 1852673 | 33.13 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 23.47 | 264 | 1779605 | 28.80 | ng/ul | -0.02 |

## Target Compounds

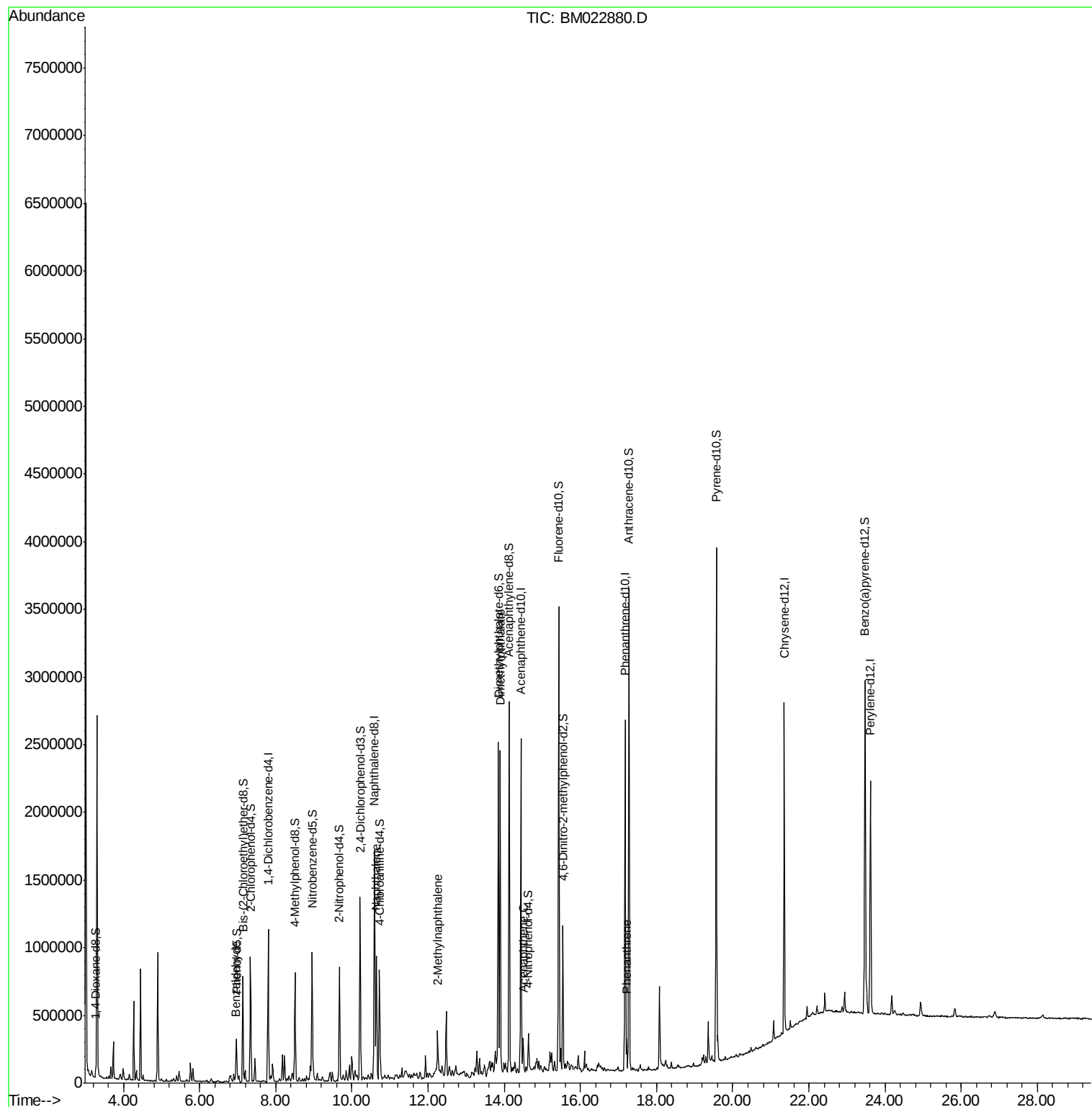
|                         |       |     |         |        | Qvalue |     |
|-------------------------|-------|-----|---------|--------|--------|-----|
| 4) Benzaldehyde         | 6.95  | 77  | 20752   | 1.656  | ng/ul# | 69  |
| 28) Naphthalene         | 10.64 | 128 | 729389  | 9.769  | ng/ul  | 99  |
| 34) 2-Methylnaphthalene | 12.26 | 142 | 166613  | 2.976  | ng/ul  | 98  |
| 45) Dimethylphthalate   | 13.89 | 163 | 1515940 | 23.122 | ng/ul  | 99  |
| 50) Acenaphthene        | 14.50 | 153 | 101225  | 1.827  | ng/ul  | 99  |
| 70) Phenanthrene        | 17.22 | 178 | 132909  | 1.559  | ng/ul  | 100 |

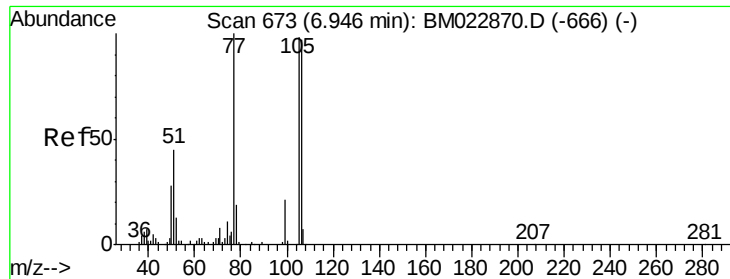
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.656 ng/ul

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM022880.D

Acq: 02 Oct 2019 07:23

Instrument :

BNA\_M

ClientSampleId :

BFDK1

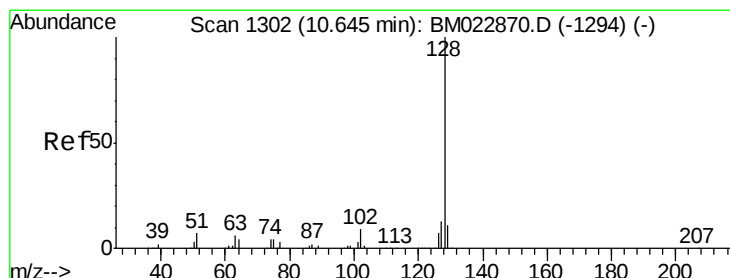
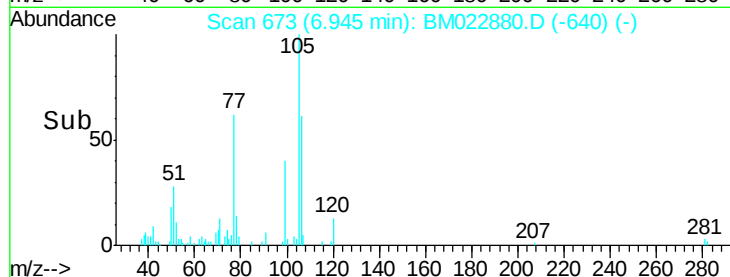
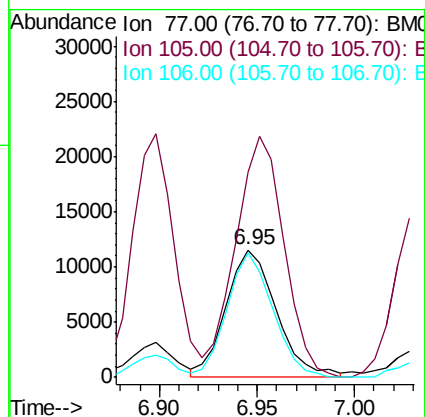
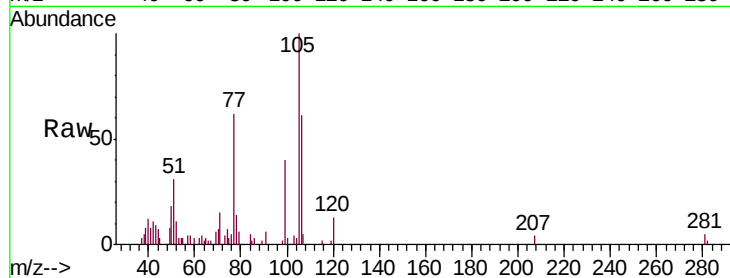
Tgt Ion: 77 Resp: 20752

Ion Ratio Lower Upper

77 100

105 160.6 80.6 120.8#

106 98.1 77.0 115.6



#28

Naphthalene

Concen: 9.769 ng/ul

RT: 10.64 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BM022880.D

Acq: 02 Oct 2019 07:23

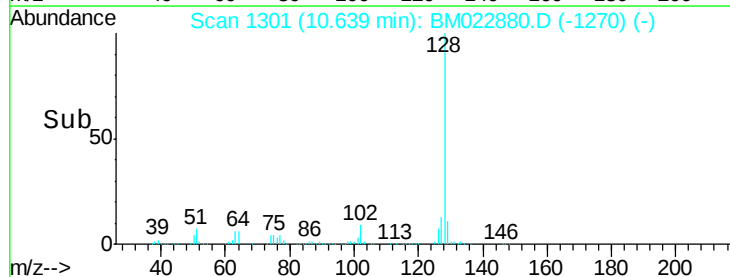
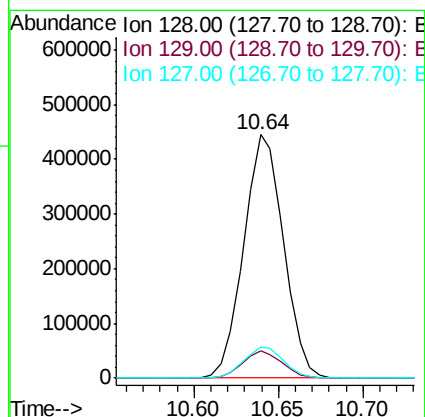
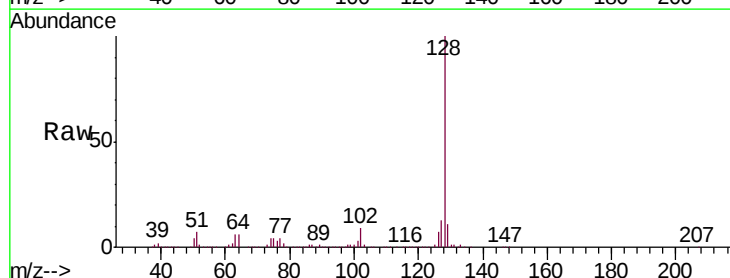
Tgt Ion: 128 Resp: 729389

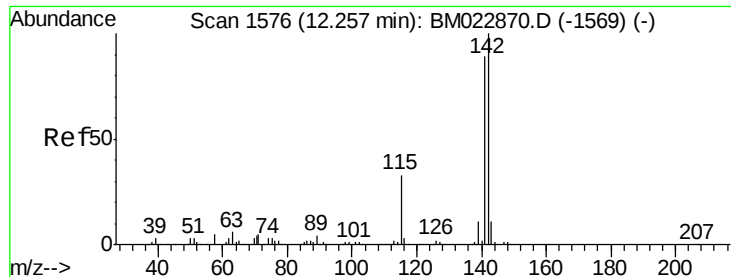
Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.0 10.2 15.4

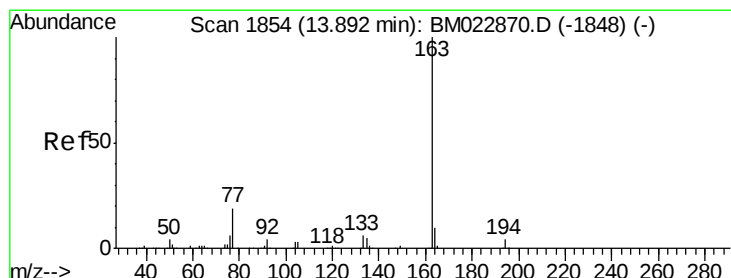
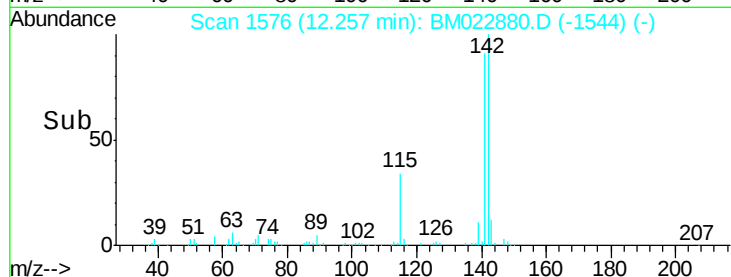
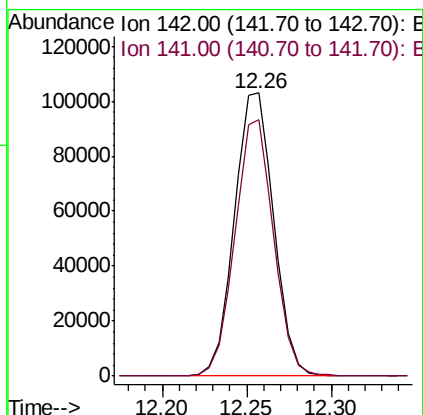
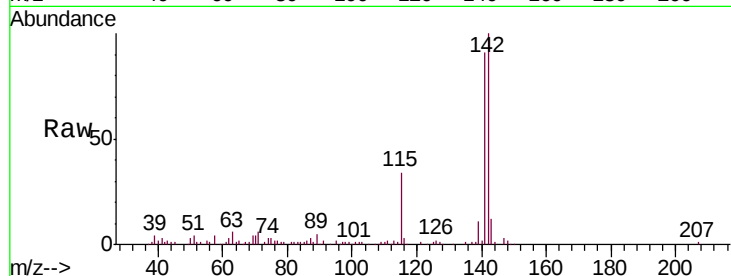




#34  
 2-Methylnaphthalene  
 Concen: 2.976 ng/ul  
 RT: 12.26 min Scan# 1576  
 Delta R.T. -0.01 min  
 Lab File: BM022880.D  
 Acq: 02 Oct 2019 07:23

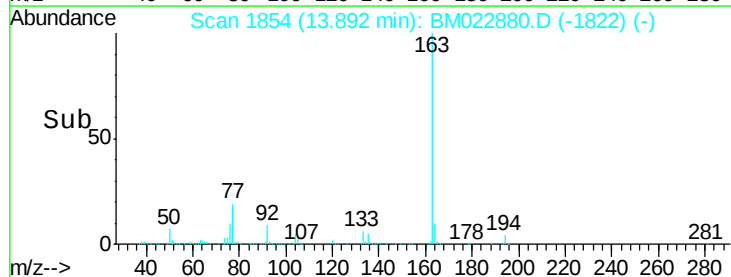
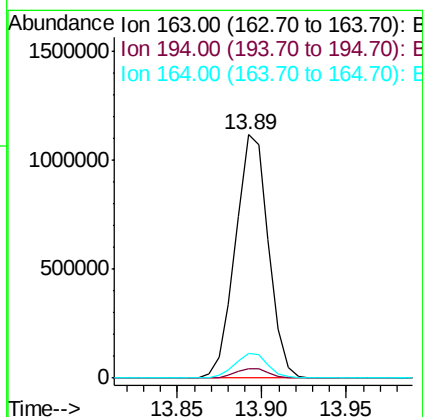
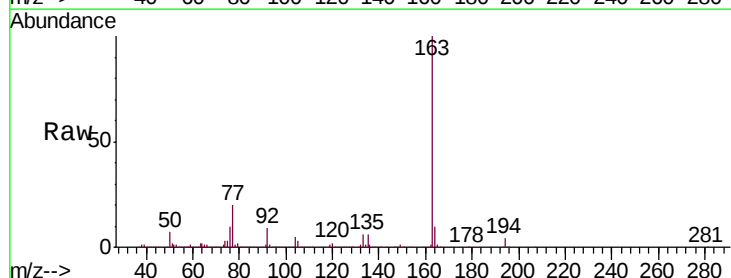
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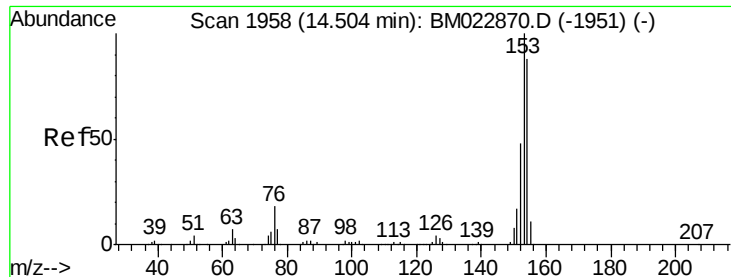
Tgt Ion:142 Resp: 166613  
 Ion Ratio Lower Upper  
 142 100  
 141 90.6 71.2 106.8



#45  
 Dimethylphthalate  
 Concen: 23.122 ng/ul  
 RT: 13.89 min Scan# 1854  
 Delta R.T. -0.01 min  
 Lab File: BM022880.D  
 Acq: 02 Oct 2019 07:23

Tgt Ion:163 Resp: 1515940  
 Ion Ratio Lower Upper  
 163 100  
 194 4.1 3.4 5.0  
 164 10.3 8.1 12.1





#50

Acenaphthene

Concen: 1.827 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.02 min

Lab File: BM022880.D

Acq: 02 Oct 2019 07:23

Instrument :

BNA\_M

ClientSampleId :

BFDK1

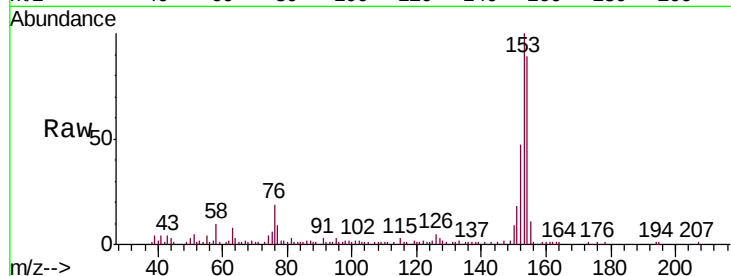
Tgt Ion:153 Resp: 101225

Ion Ratio Lower Upper

153 100

152 46.7 38.1 57.1

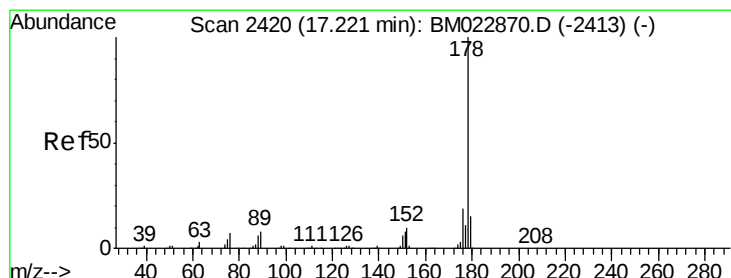
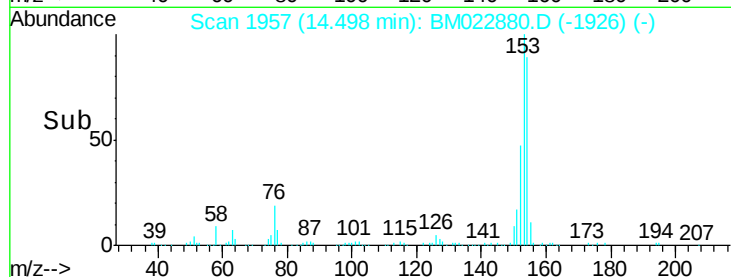
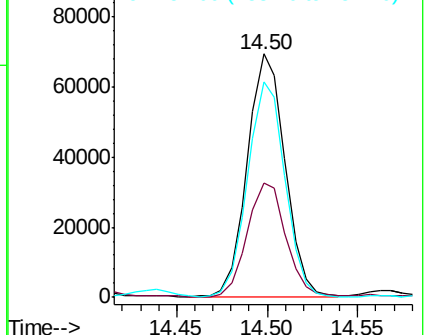
154 88.7 71.1 106.7



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



#70

Phenanthrene

Concen: 1.559 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BM022880.D

Acq: 02 Oct 2019 07:23

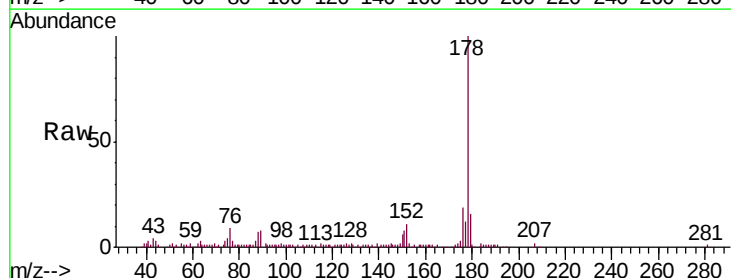
Tgt Ion:178 Resp: 132909

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.4 15.3 22.9



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

