

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\  
 Data File : BM022963.D  
 Acq On : 04 Oct 2019 18:29  
 Operator : JU  
 Sample : K4932-10RE  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFDJ8

Quant Time: Oct 04 22:56:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 04 16:45:59 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 188287   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 730302   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.43 | 164  | 403408   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.16 | 188  | 699349   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.34 | 240  | 634414   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.60 | 264  | 758487   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 25948   | 5.96  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.96  | 99  | 124012  | 7.45  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 249513  | 27.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 315874  | 23.58 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 205820  | 15.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 174908  | 31.03 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 189312  | 30.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 326008  | 26.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 224745  | 15.10 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.84 | 166 | 926869  | 29.60 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.12 | 160 | 1087049 | 30.07 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.64 | 143 | 32912   | 5.32  | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.42 | 176 | 763765  | 28.62 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 103872  | 22.82 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.26 | 188 | 1075395 | 31.49 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.56 | 212 | 1100874 | 32.24 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.46 | 264 | 1243295 | 31.69 | ng/ul | 0.00 |

## Target Compounds

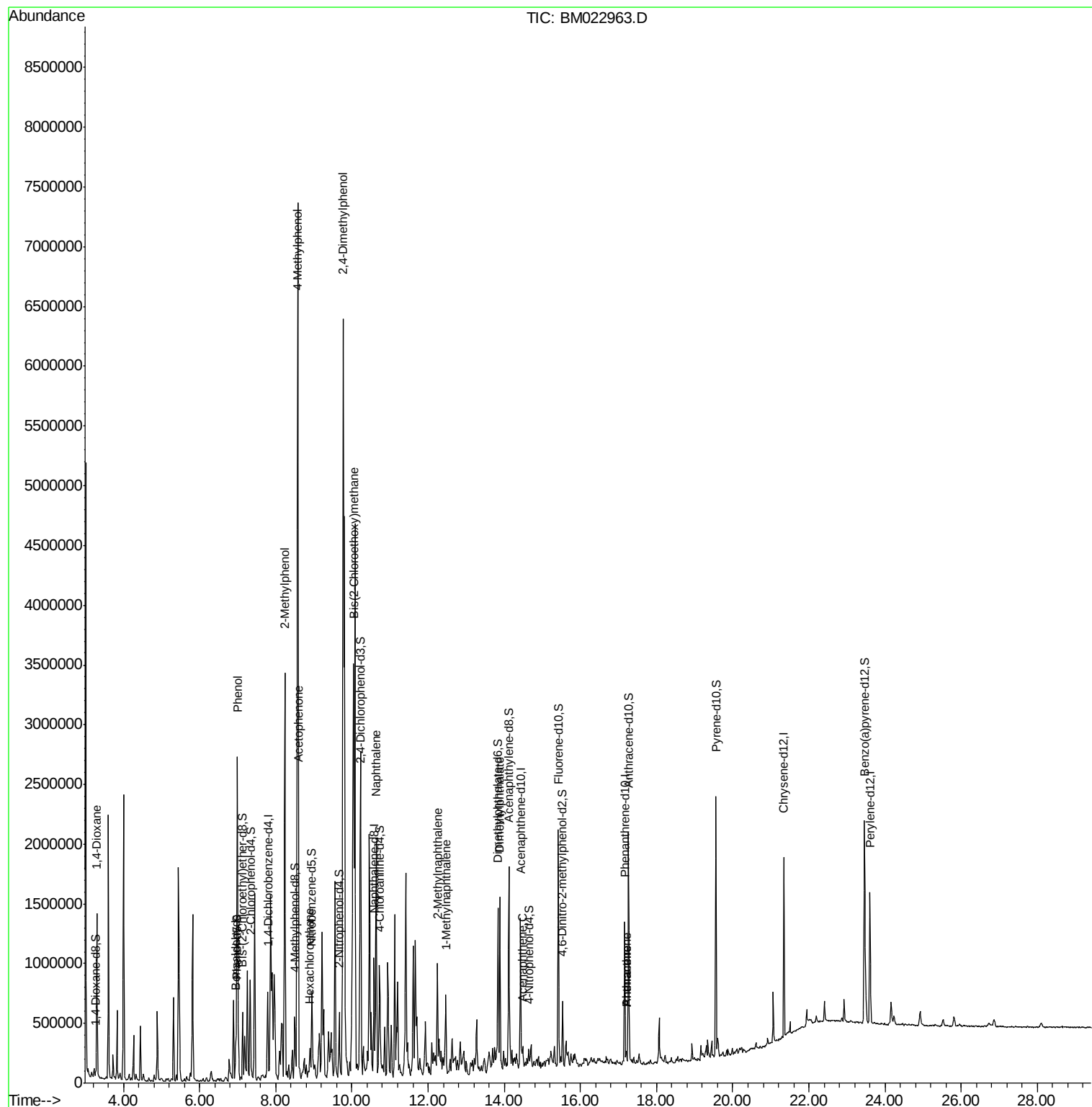
|                                |       |     |         |         | Ovalue |     |
|--------------------------------|-------|-----|---------|---------|--------|-----|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 6222    | 1.445   | ng/uL# | 1   |
| 4) Benzaldehyde                | 6.95  | 77  | 22849   | 3.031   | ng/ul# | 1   |
| 6) Phenol                      | 6.99  | 94  | 1577419 | 90.447  | ng/ul  | 100 |
| 11) 2-Methylphenol             | 8.24  | 108 | 1184887 | 88.149  | ng/ul  | 100 |
| 14) Acetophenone               | 8.60  | 105 | 68349   | 3.282   | ng/ul# | 1   |
| 16) 4-Methylphenol             | 8.58  | 108 | 3165232 | 212.964 | ng/ul  | 91  |
| 17) Hexachloroethane           | 8.90  | 117 | 29878   | 5.471   | ng/ul# | 6   |
| 24) 2,4-Dimethylphenol         | 9.77  | 107 | 2537761 | 185.167 | ng/ul  | 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.04 | 93  | 51883   | 3.139   | ng/ul# | 1   |
| 28) Naphthalene                | 10.63 | 128 | 1580837 | 40.081  | ng/ul  | 99  |
| 34) 2-Methylnaphthalene        | 12.25 | 142 | 421331  | 14.248  | ng/ul  | 99  |
| 35) 1-Methylnaphthalene        | 12.46 | 142 | 275749  | 9.763   | ng/ul  | 100 |
| 45) Dimethylphthalate          | 13.89 | 163 | 910501  | 28.310  | ng/ul  | 99  |
| 50) Acenaphthene               | 14.49 | 153 | 47410   | 1.744   | ng/ul  | 99  |
| 70) Phenanthrene               | 17.21 | 178 | 57331   | 1.374   | ng/ul  | 97  |
| 72) Anthracene                 | 17.21 | 178 | 57522   | 1.353   | ng/ul  | 96  |

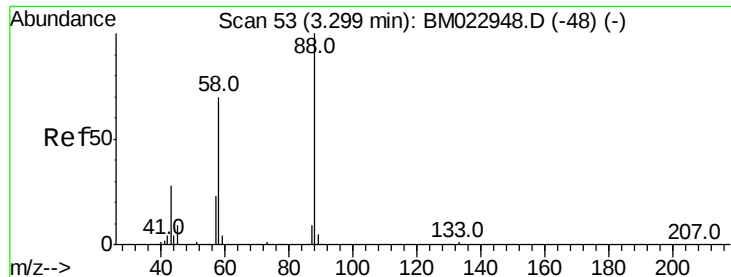
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 22:56:35 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 04 16:45:59 2019  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.445 ng/uL

RT: 3.30 min Scan# 54

Delta R.T. 0.01 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampleId :

BFDJ8

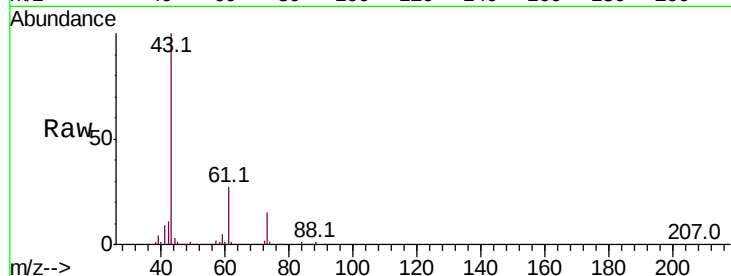
Tot Ion: 88 Resp: 6222

Ion Ratio Lower Upper

88 100

43 14121.1 25.3 37.9#

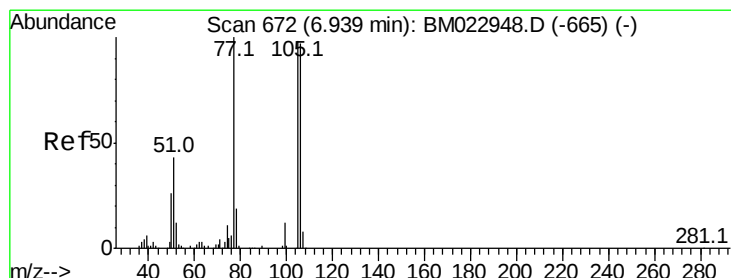
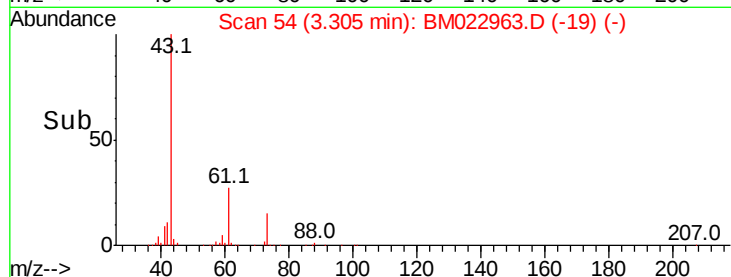
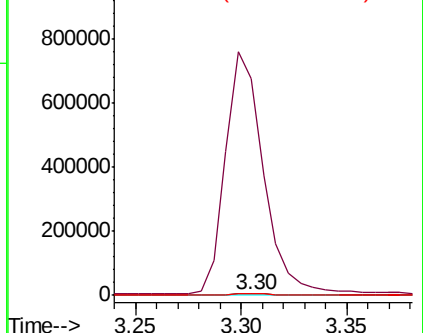
58 106.0 56.6 84.8#



Abundance Ion 88.00 (87.70 to 88.70): BM022948.D (-48) (-)

Ion 43.00 (42.70 to 43.70): BM022948.D (-48) (-)

Ion 58.00 (57.70 to 58.70): BM022948.D (-48) (-)



#4

Benzaldehyde

Concen: 3.031 ng/uL

RT: 6.95 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

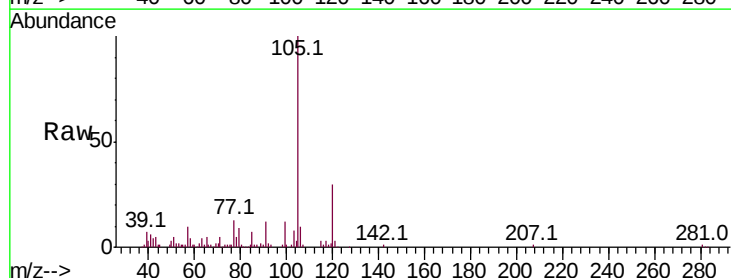
Tgt Ion: 77 Resp: 22849

Ion Ratio Lower Upper

77 100

105 793.0 80.6 120.8#

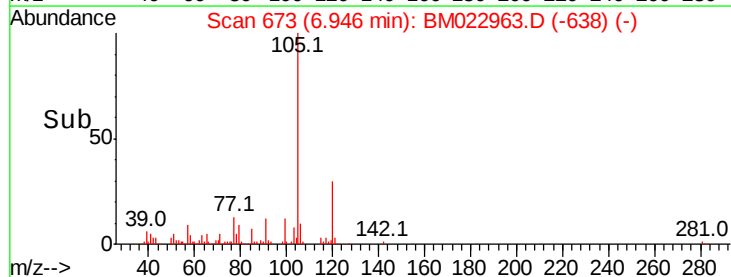
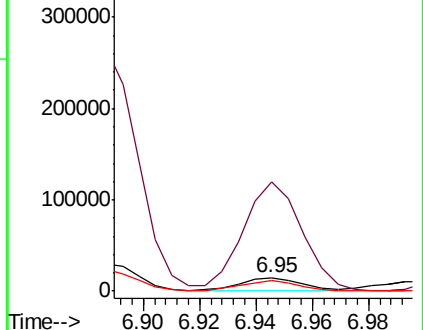
106 76.6 77.0 115.6#

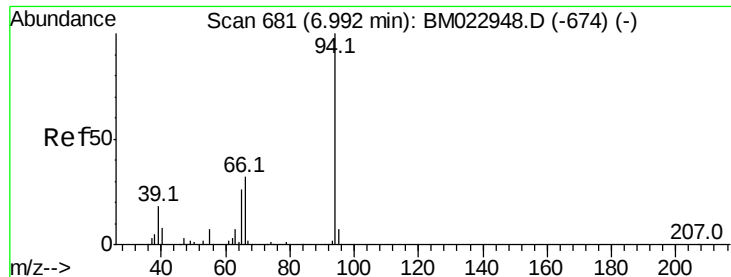


Abundance Ion 77.00 (76.70 to 77.70): BM022948.D (-665) (-)

Ion 105.00 (104.70 to 105.70): BM022948.D (-665) (-)

Ion 106.00 (105.70 to 106.70): BM022948.D (-665) (-)





#6

Phenol

Concen: 90.447 ng/ul

RT: 6.99 min Scan# 681

Delta R.T. 0.00 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampleId :

BFDJ8

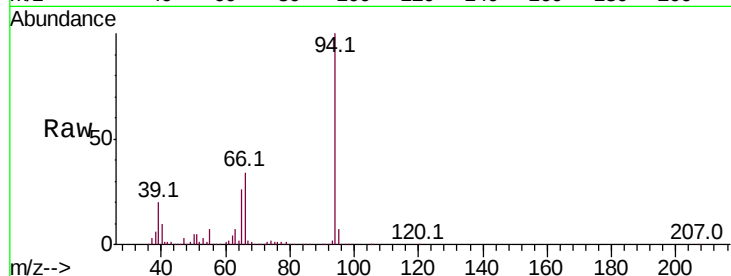
Tot Ion: 94 Resp: 1577419

Ion Ratio Lower Upper

94 100

65 26.3 20.9 31.3

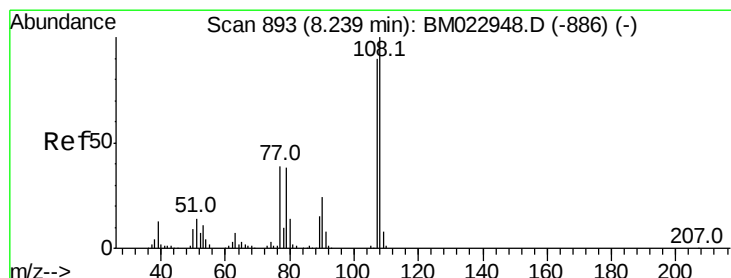
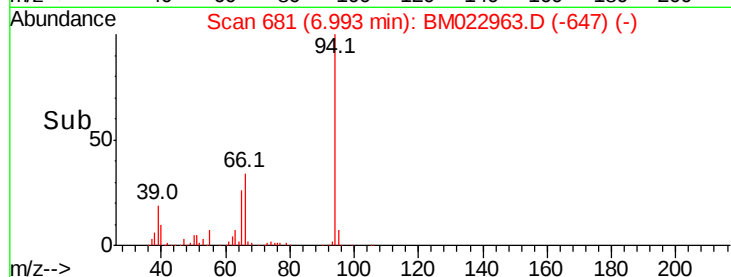
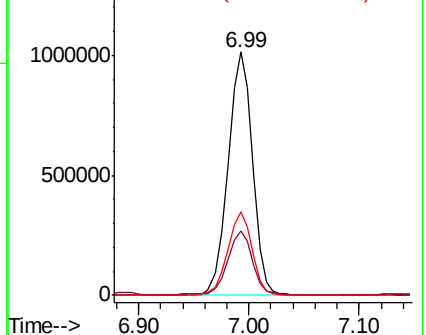
66 34.2 27.2 40.8



Abundance Ion 94.00 (93.70 to 94.70): BM022948.D (-674) (-)

Ion 65.00 (64.70 to 65.70): BM022948.D (-674) (-)

Ion 66.00 (65.70 to 66.70): BM022948.D (-674) (-)



#11

2-Methylphenol

Concen: 88.149 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. 0.00 min

Lab File: BM022963.D

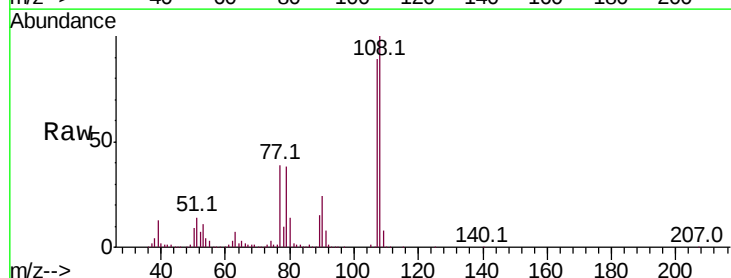
Acq: 04 Oct 2019 18:29

Tgt Ion:108 Resp: 1184887

Ion Ratio Lower Upper

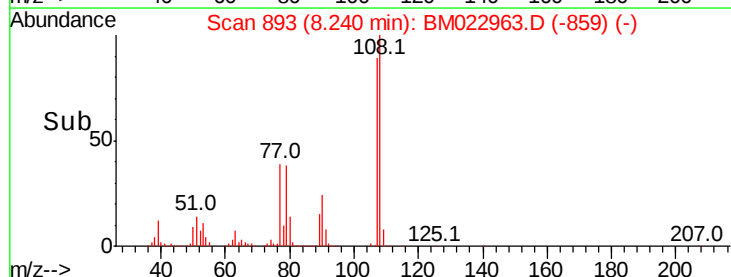
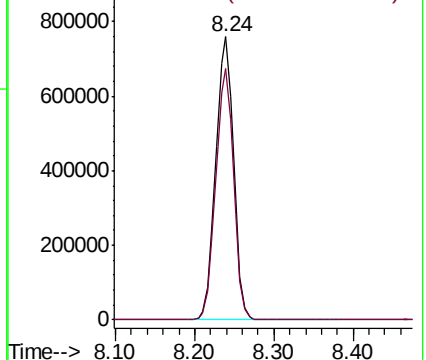
108 100

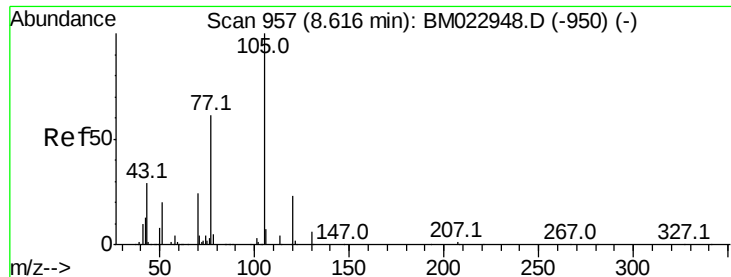
107 88.7 71.0 106.4



Abundance Ion 108.00 (107.70 to 108.70): BM022948.D (-886) (-)

Ion 107.00 (106.70 to 107.70): BM022948.D (-886) (-)





#14

Acetophenone

Concen: 3.282 ng/ul

RT: 8.60 min Scan# 954

Delta R.T. -0.02 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampleId :

BFDJ8

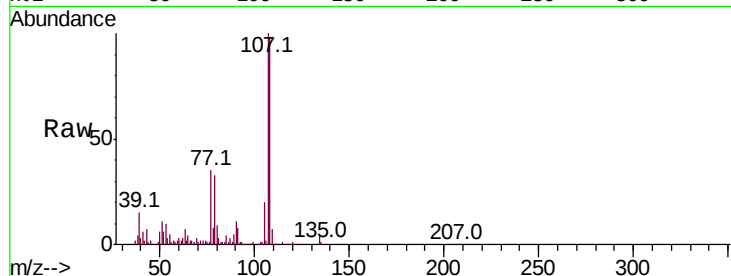
Tot Ion:105 Resp: 68349

Ion Ratio Lower Upper

105 100

77 178.9 59.4 89.0#

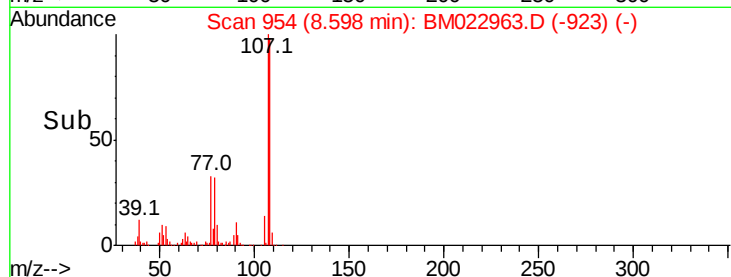
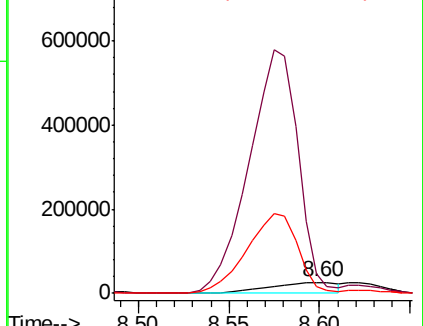
51 56.0 19.4 29.0#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#16

4-Methylphenol

Concen: 212.964 ng/ul

RT: 8.58 min Scan# 951

Delta R.T. 0.02 min

Lab File: BM022963.D

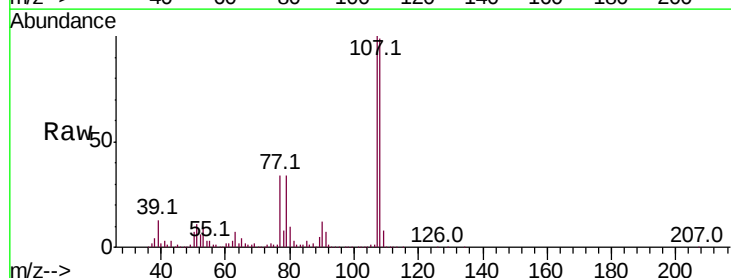
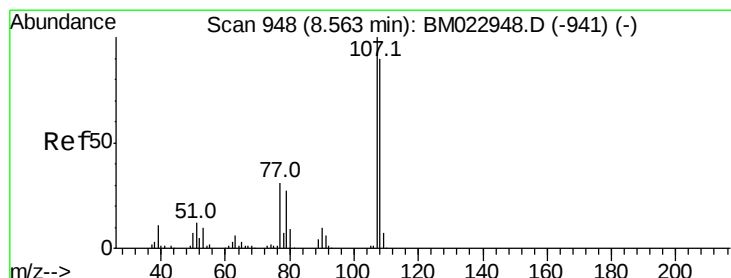
Acq: 04 Oct 2019 18:29

Tgt Ion:108 Resp: 3165232

Ion Ratio Lower Upper

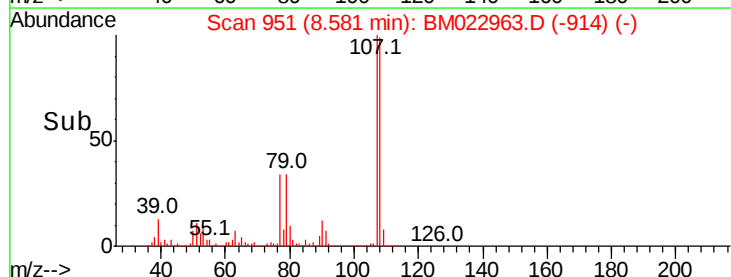
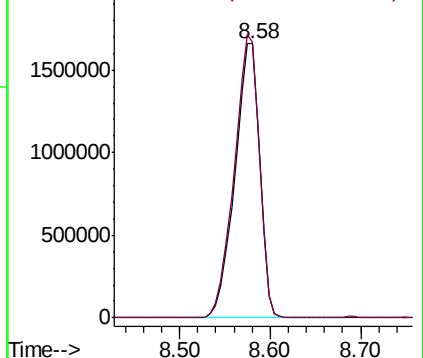
108 100

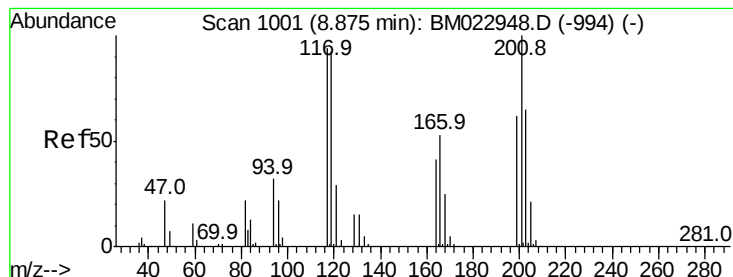
107 100.6 87.9 131.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 5.471 ng/ul

RT: 8.90 min Scan# 1005

Delta R.T. 0.02 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampled :

BFDJ8

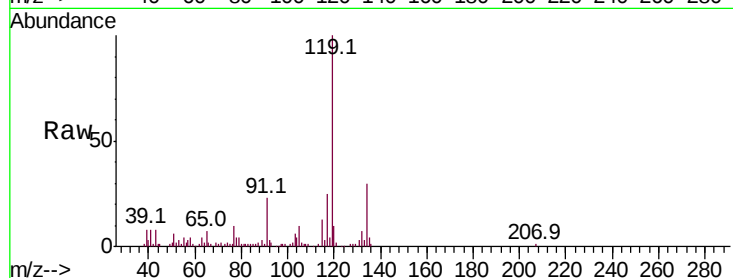
Tot Ion:117 Resp: 29878

Ion Ratio Lower Upper

117 100

201 0.0 82.5 123.7#

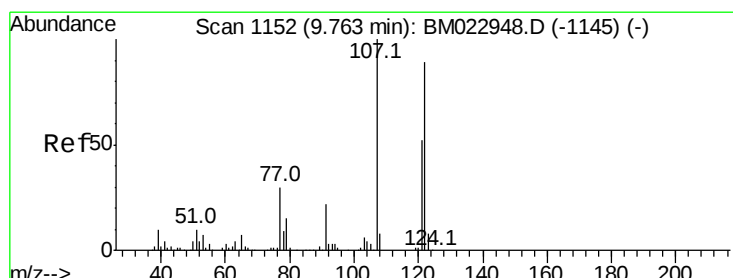
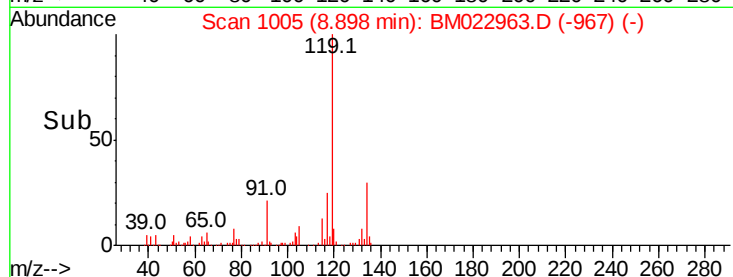
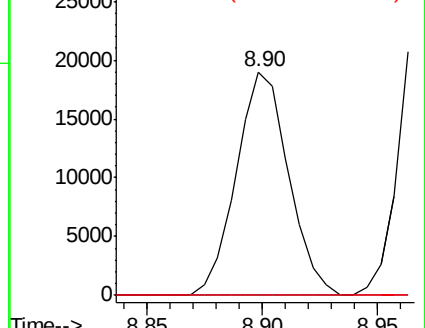
199 0.0 51.6 77.4#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#24

2,4-Dimethylphenol

Concen: 185.167 ng/ul

RT: 9.77 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

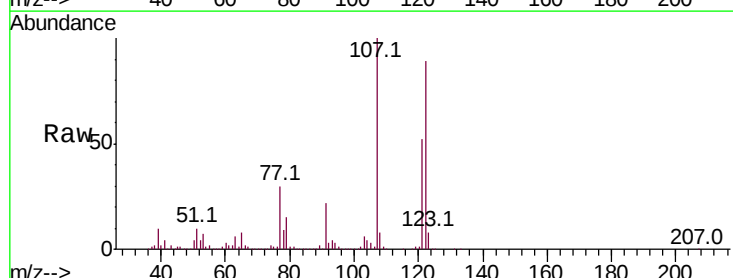
Tgt Ion:107 Resp: 2537761

Ion Ratio Lower Upper

107 100

121 52.2 43.0 64.4

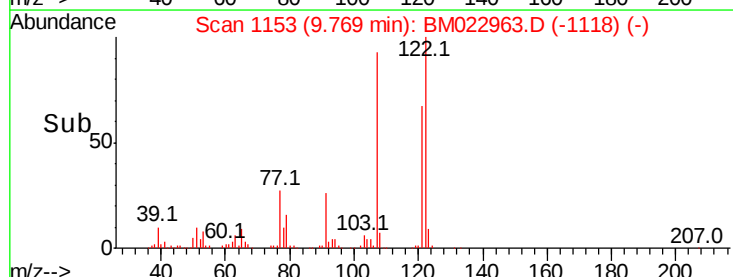
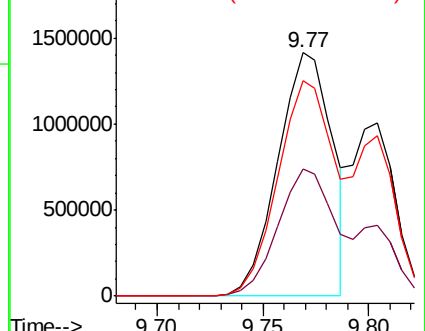
122 88.5 71.4 107.0

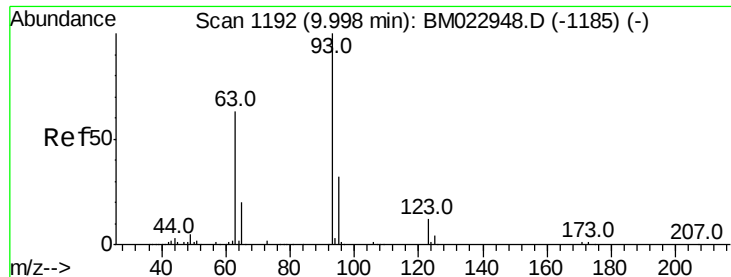


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Bis(2-Chloroethoxy)methane

Concen: 3.139 ng/ul

RT: 10.04 min Scan# 1199

Delta R.T. 0.04 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampleId :

BFDJ8

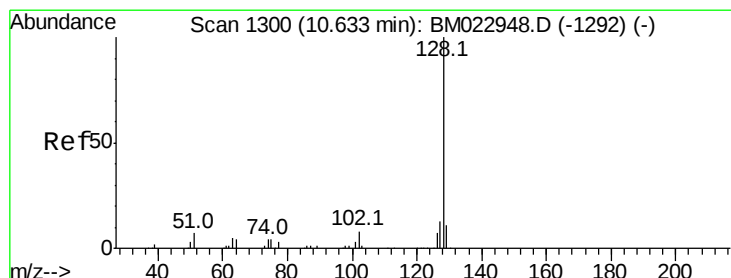
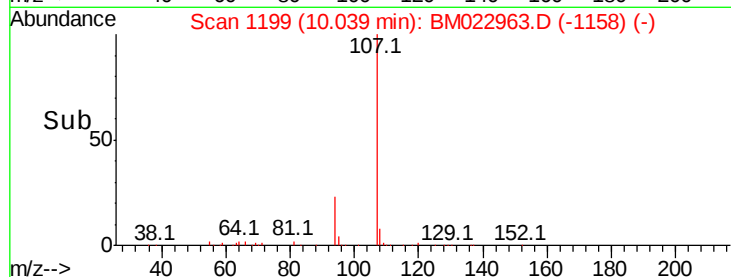
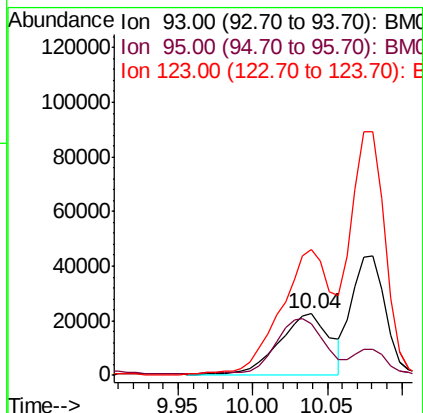
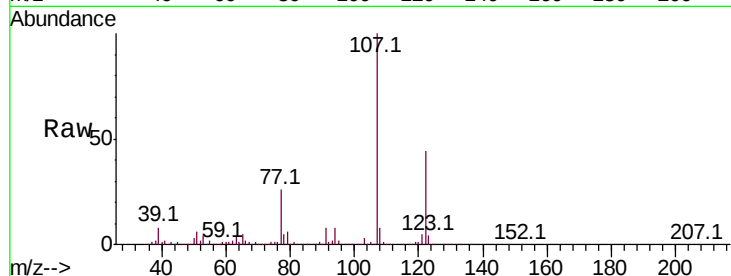
Tot Ion: 93 Resp: 51883

Ion Ratio Lower Upper

93 100

95 84.1 25.7 38.5#

123 205.8 9.4 14.0#



#28

Naphthalene

Concen: 40.081 ng/ul

RT: 10.63 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

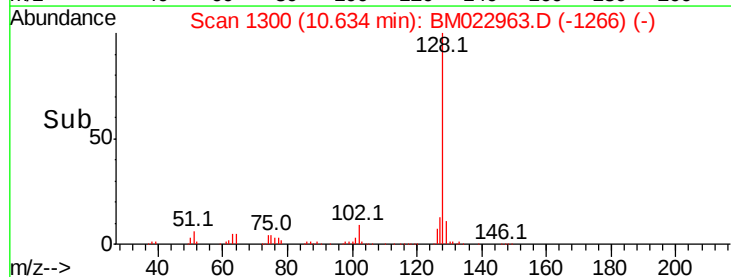
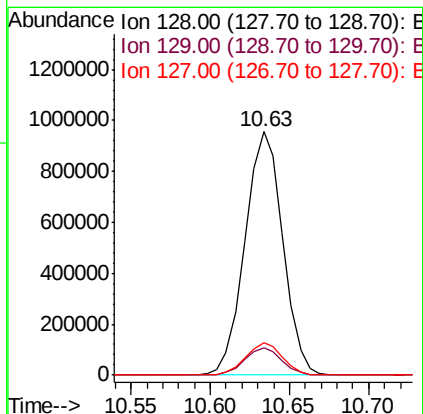
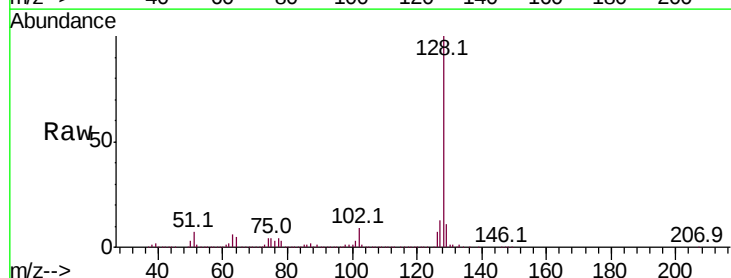
Tgt Ion:128 Resp: 1580837

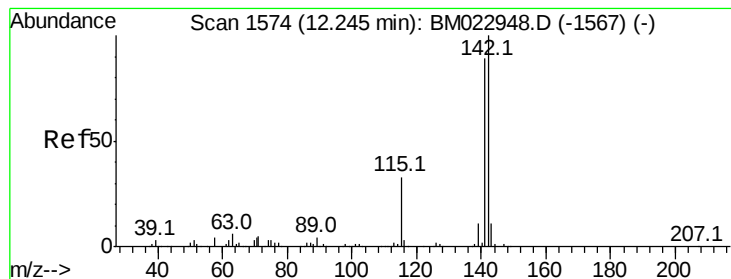
Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.2 10.2 15.4





#34

2-Methylnaphthalene

Concen: 14.248 ng/ul

RT: 12.25 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampleId :

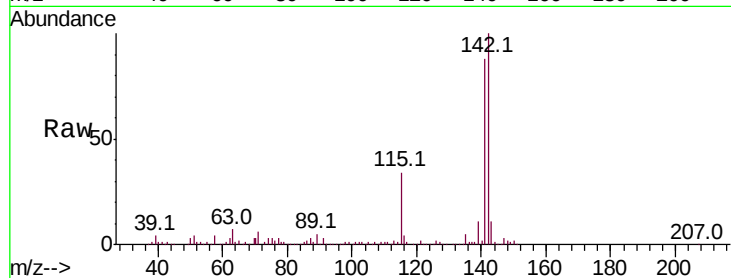
BFDJ8

Tot Ion:142 Resp: 421331

Ion Ratio Lower Upper

142 100

141 88.2 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.25

300000

250000

200000

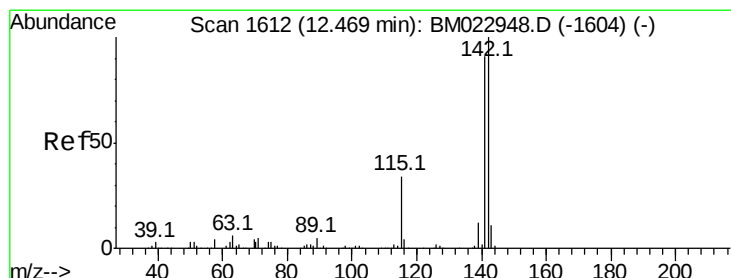
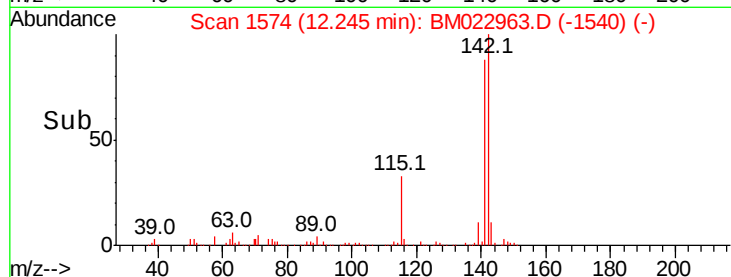
150000

100000

50000

0

Time-->



#35

1-Methylnaphthalene

Concen: 9.763 ng/ul

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

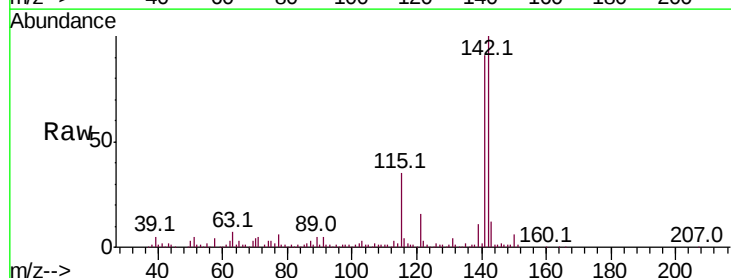
Tgt Ion:142 Resp: 275749

Ion Ratio Lower Upper

142 100

141 91.3 73.0 109.6

116 4.1 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.46

200000

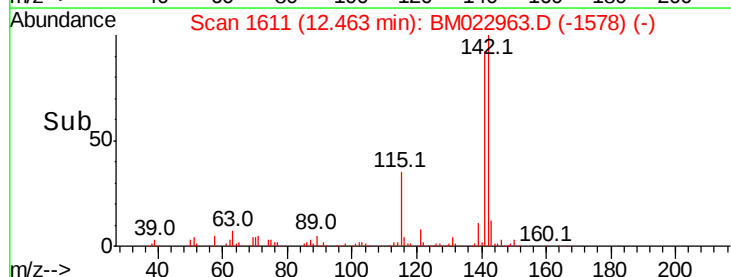
150000

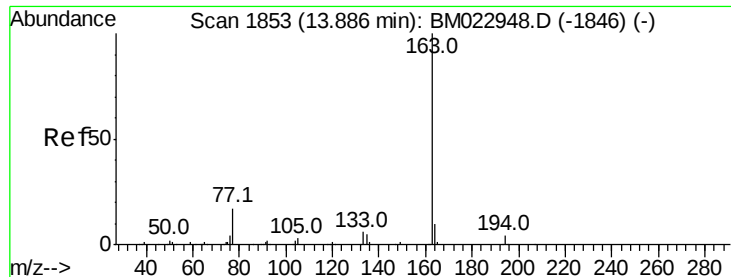
100000

50000

0

Time-->





#45

Dimethylphthalate

Concen: 28.310 ng/ul

RT: 13.89 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampleId :

BFDJ8

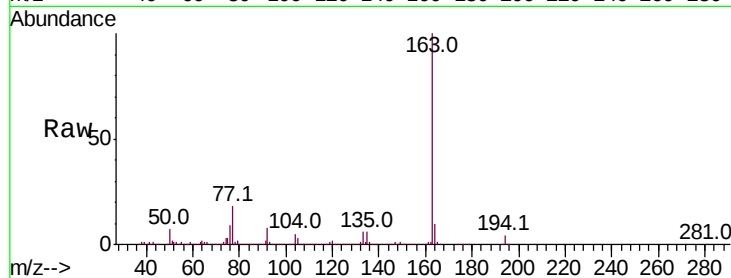
Tot Ion:163 Resp: 910501

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

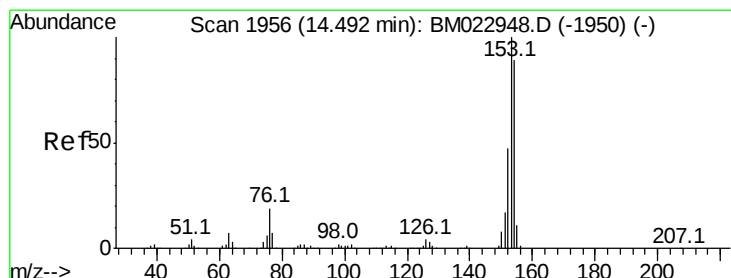
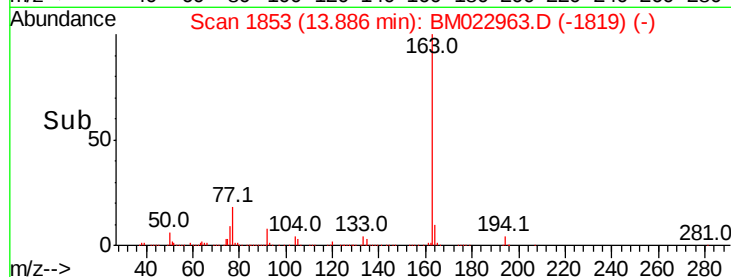
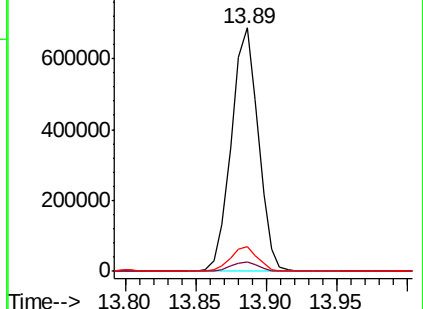
164 10.4 8.1 12.1



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



#50

Acenaphthene

Concen: 1.744 ng/ul

RT: 14.49 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

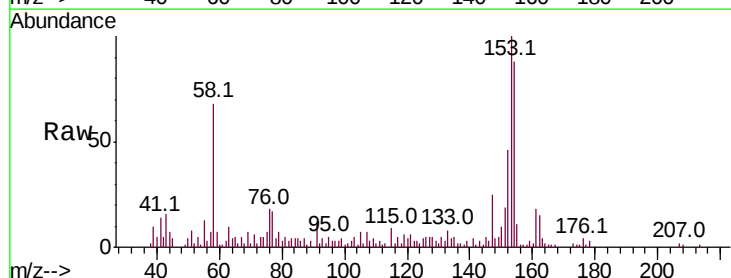
Tgt Ion:153 Resp: 47410

Ion Ratio Lower Upper

153 100

152 46.1 38.1 57.1

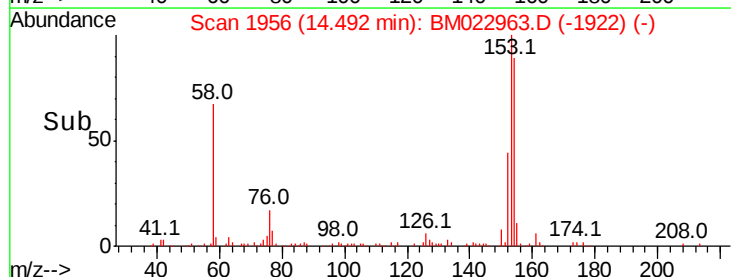
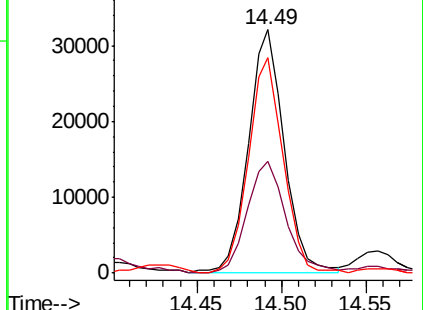
154 88.3 71.1 106.7

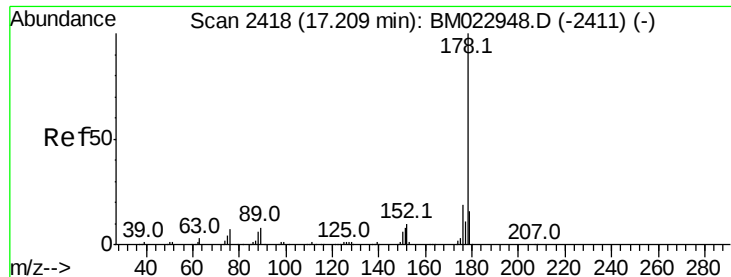


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#70

Phenanthrene

Concen: 1.374 ng/ul

RT: 17.21 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

Instrument :

BNA\_M

ClientSampled :

BFDJ8

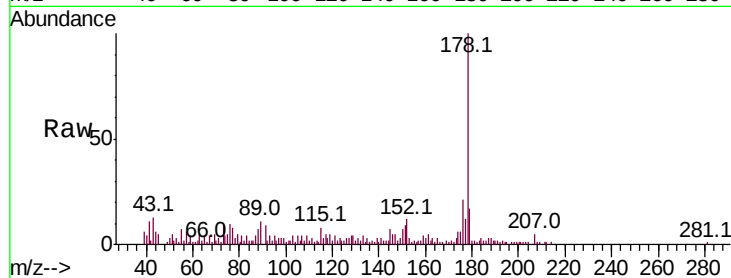
Tot Ion:178 Resp: 57331

Ion Ratio Lower Upper

178 100

179 17.0 12.4 18.6

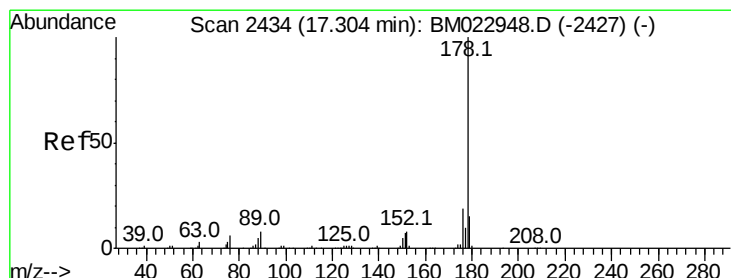
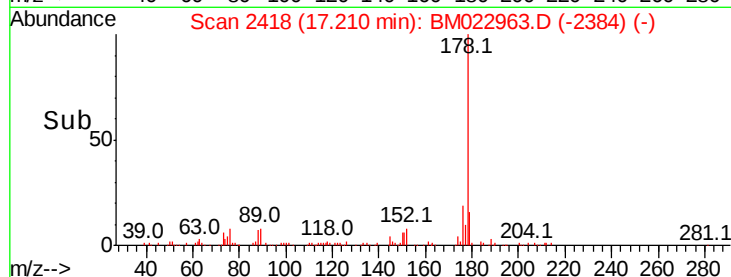
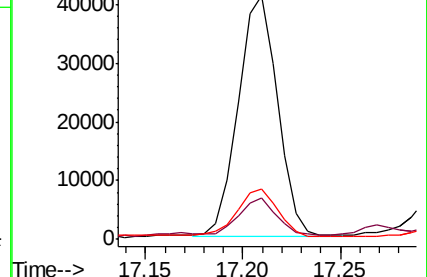
176 20.6 15.3 22.9



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



#72

Anthracene

Concen: 1.353 ng/ul

RT: 17.21 min Scan# 2418

Delta R.T. -0.09 min

Lab File: BM022963.D

Acq: 04 Oct 2019 18:29

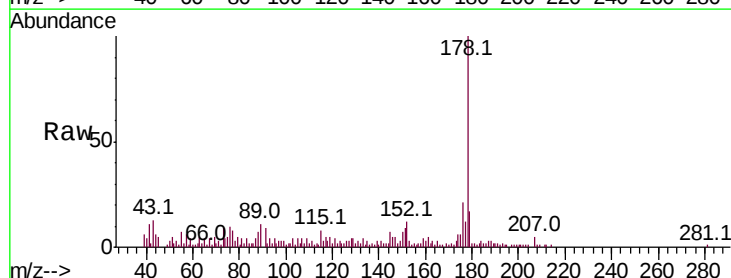
Tgt Ion:178 Resp: 57522

Ion Ratio Lower Upper

178 100

179 17.0 12.4 18.6

176 20.6 15.0 22.6



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

