

Data File : BM025000.D  
Acq On : 21 Feb 2020 23:10  
Operator : CG/JU  
Sample : L1486-22DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DBCX4DL

Quant Time: Feb 22 01:19:40 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Feb 22 01:15:56 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.34  | 152  | 154637   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.10 | 136  | 641214   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 13.99 | 164  | 421959   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.75 | 188  | 946310   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 20.96 | 240  | 1040558  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.04 | 264  | 1234429  | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.95  | 96  | 646    | 0.20 | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.56  | 99  | 7189   | 0.70 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.70  | 67  | 35953  | 6.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.88  | 132 | 37283  | 4.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.07  | 113 | 20985  | 2.42 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.48  | 128 | 25480  | 5.50 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.20  | 143 | 24750  | 4.52 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.73  | 165 | 44791  | 4.05 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.26 | 131 | 3757   | 0.36 | ng/ul | 0.02 |
| 44) Dimethylphthalate-d6       | 13.42 | 166 | 213656 | 6.71 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.68 | 160 | 243502 | 6.55 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.27 | 143 | 127    | 0.02 | ng/ul | 0.04 |
| 58) Fluorene-d10               | 15.00 | 176 | 192854 | 6.84 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.14 | 200 | 17122  | 2.78 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.85 | 188 | 309459 | 7.16 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.16 | 212 | 374239 | 7.19 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.91 | 264 | 434594 | 7.01 | ng/ul | 0.00 |

Target Compounds

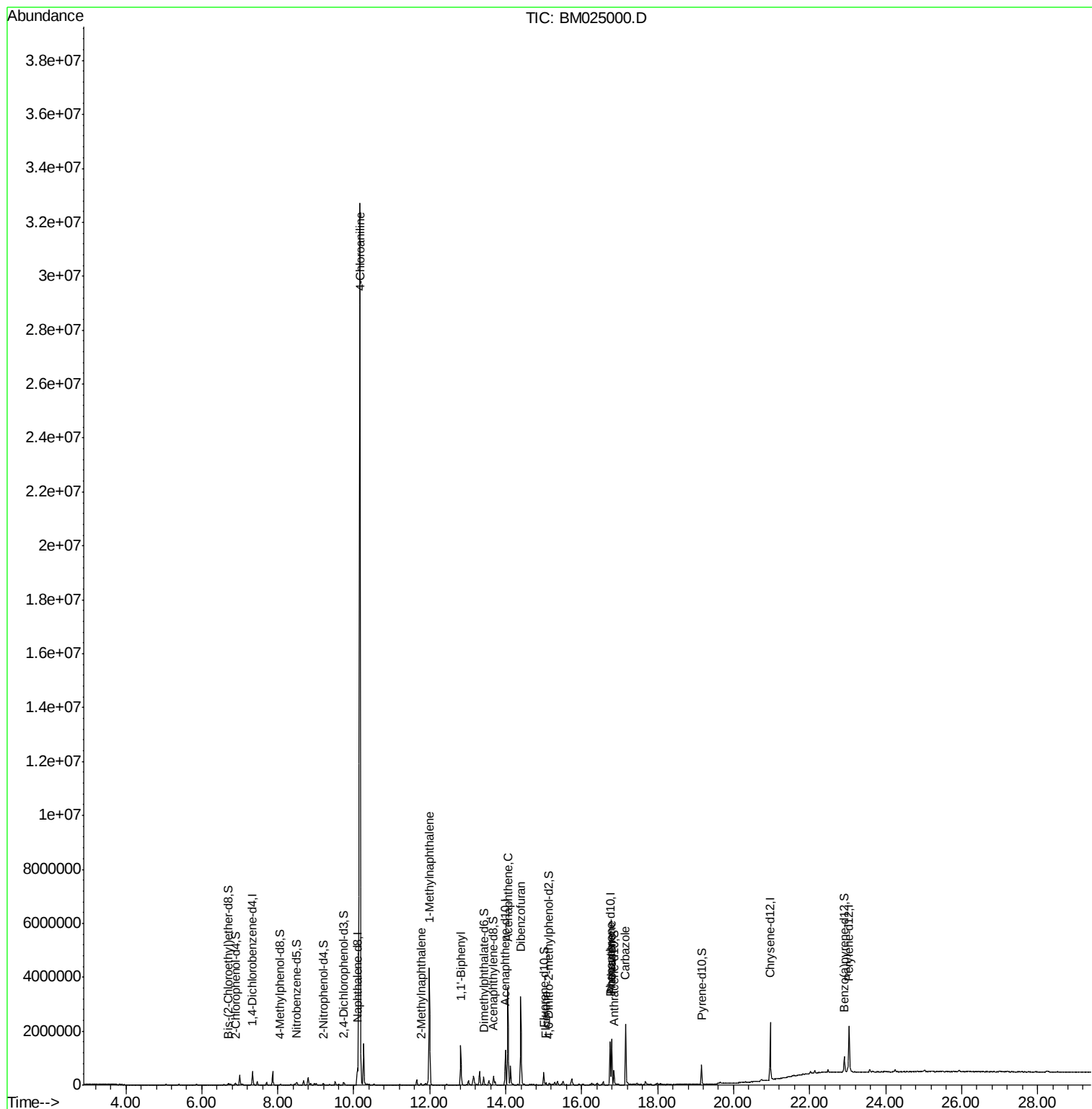
|                         |       |     |         |         | Qvalue |    |
|-------------------------|-------|-----|---------|---------|--------|----|
| 30) 4-Chloroaniline     | 10.17 | 127 | 4800634 | 465.234 | ng/ul# | 12 |
| 34) 2-Methylnaphthalene | 11.77 | 142 | 28278   | 1.172   | ng/ul  | 93 |
| 35) 1-Methylnaphthalene | 11.99 | 142 | 2100407 | 87.269  | ng/ul  | 99 |
| 41) 1,1'-Biphenyl       | 12.82 | 154 | 815214  | 26.171  | ng/ul# | 99 |
| 50) Acenaphthene        | 14.06 | 153 | 1459643 | 56.097  | ng/ul  | 98 |
| 54) Dibenzofuran        | 14.40 | 168 | 2215433 | 57.118  | ng/ul  | 99 |
| 59) Fluorene            | 15.06 | 166 | 39528   | 1.237   | ng/ul# | 87 |
| 70) Phenanthrene        | 16.79 | 178 | 1005625 | 19.490  | ng/ul  | 99 |
| 72) Anthracene          | 16.79 | 178 | 1005625 | 19.218  | ng/ul  | 98 |
| 75) Carbazole           | 17.16 | 167 | 1572031 | 36.060  | ng/ul  | 99 |

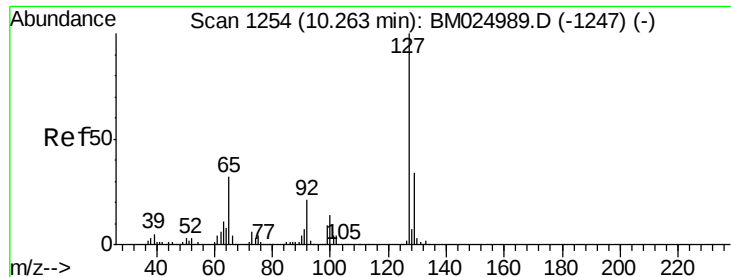
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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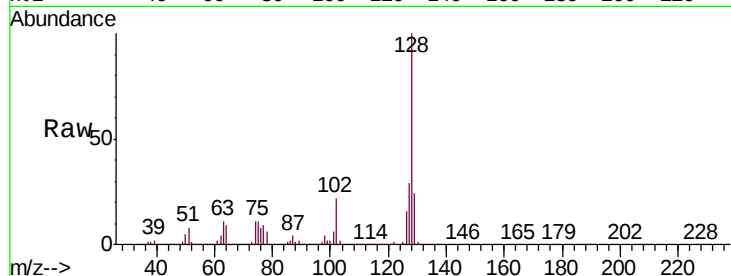




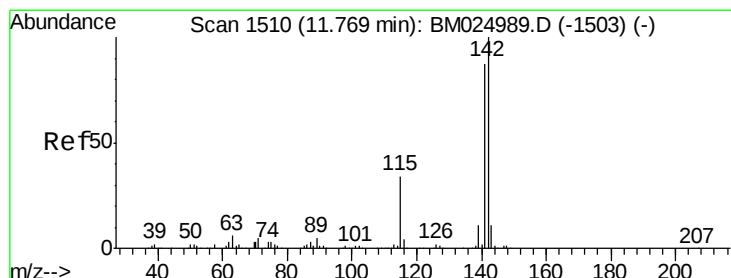
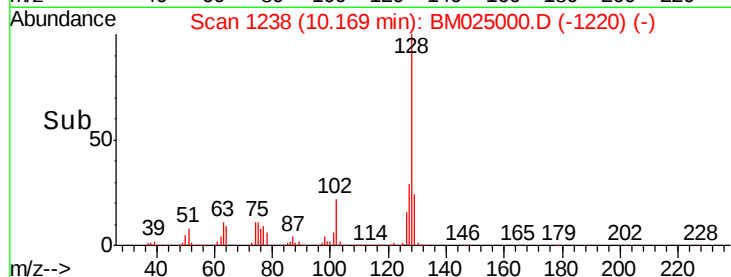
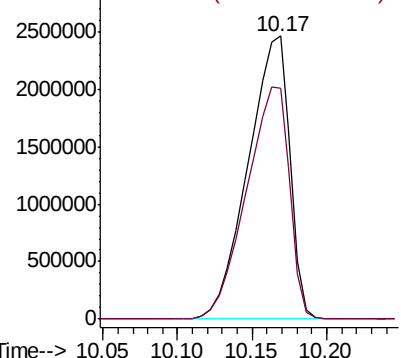
#30  
4-Chloroaniline  
Concen: 465.234 ng/ul  
RT: 10.17 min Scan# 1238  
Delta R.T. -0.09 min  
Lab File: BM025000.D  
Acq: 21 Feb 2020 23:10

Instrument :  
BNA\_M  
ClientSampled :  
DBCX4DL

Tgt Ion:127 Resp: 4800634  
Ion Ratio Lower Upper  
127 100  
129 81.8 25.8 38.8#

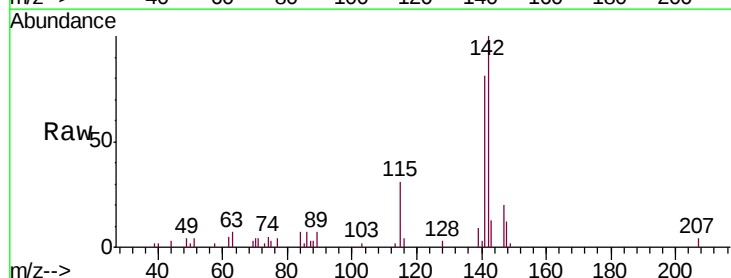


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E

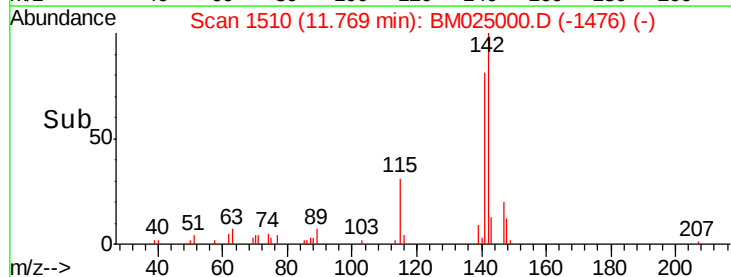
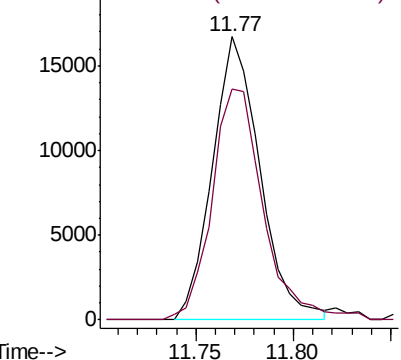


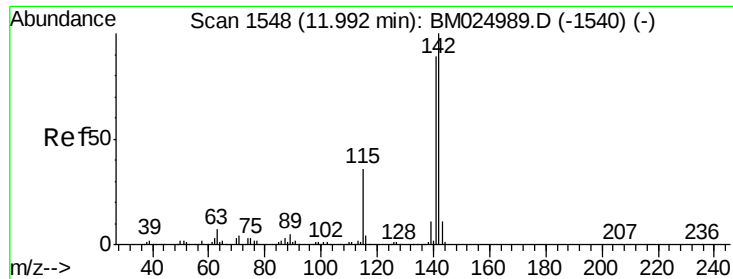
#34  
2-Methylnaphthalene  
Concen: 1.172 ng/ul  
RT: 11.77 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: BM025000.D  
Acq: 21 Feb 2020 23:10

Tgt Ion:142 Resp: 28278  
Ion Ratio Lower Upper  
142 100  
141 81.5 70.5 105.7



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

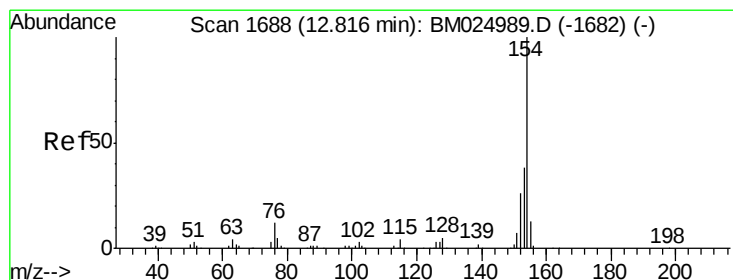
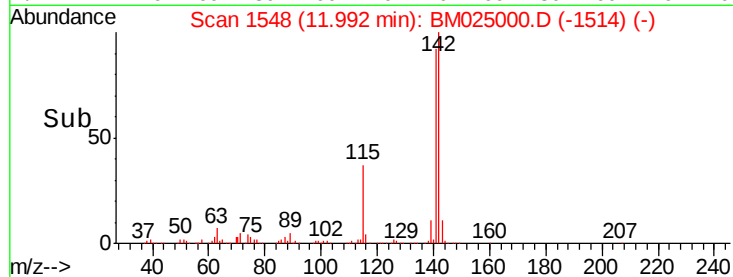
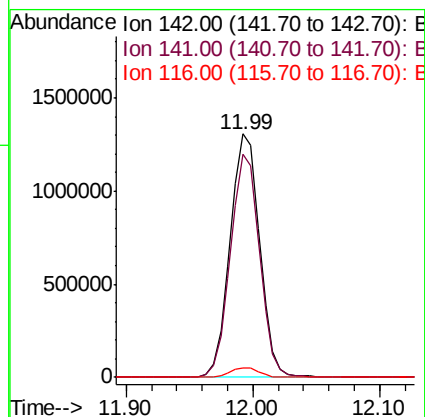
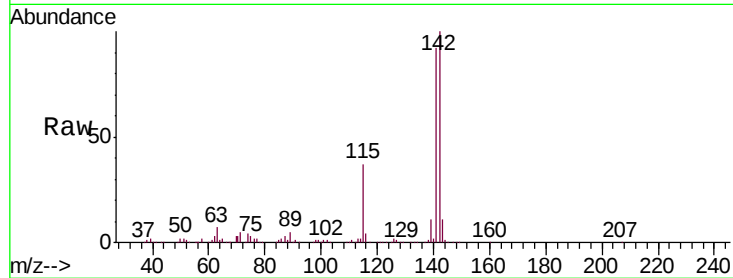




#35  
 1-Methylnaphthalene  
 Concen: 87.269 ng/ul  
 RT: 11.99 min Scan# 1548  
 Delta R.T. 0.00 min  
 Lab File: BM025000.D  
 Acq: 21 Feb 2020 23:10

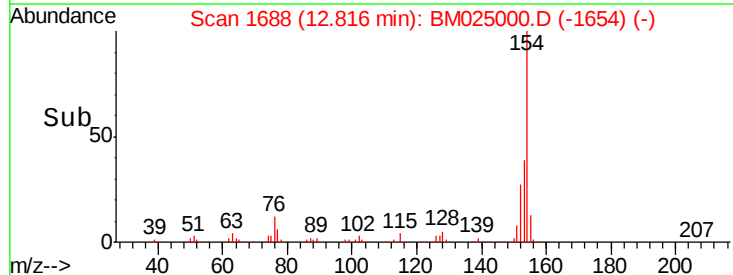
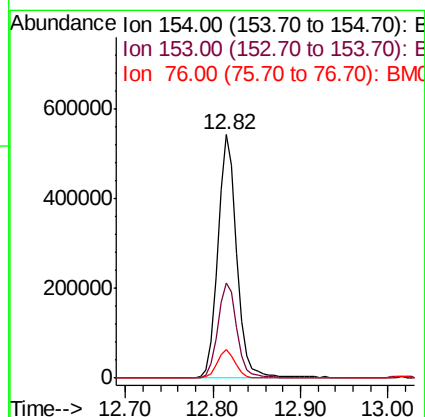
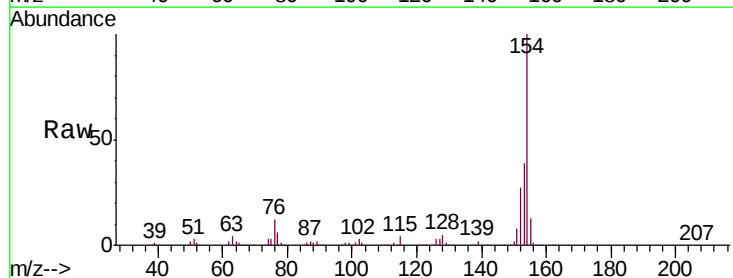
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBCX4DL

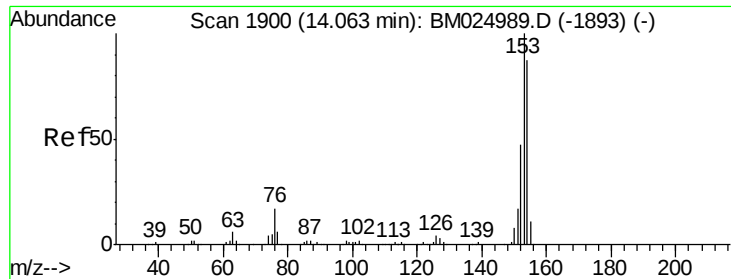
Tgt Ion:142 Resp: 2100407  
 Ion Ratio Lower Upper  
 142 100  
 141 91.6 74.1 111.1  
 116 4.0 3.0 4.4



#41  
 1,1'-Biphenyl  
 Concen: 26.171 ng/ul  
 RT: 12.82 min Scan# 1688  
 Delta R.T. 0.00 min  
 Lab File: BM025000.D  
 Acq: 21 Feb 2020 23:10

Tgt Ion:154 Resp: 815214  
 Ion Ratio Lower Upper  
 154 100  
 153 39.2 31.4 47.2  
 76 11.7 7.5 11.3#





#50

Acenaphthene

Concen: 56.097 ng/ul

RT: 14.06 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BM025000.D

Acq: 21 Feb 2020 23:10

Instrument :

BNA\_M

ClientSampleId :

DBCX4DL

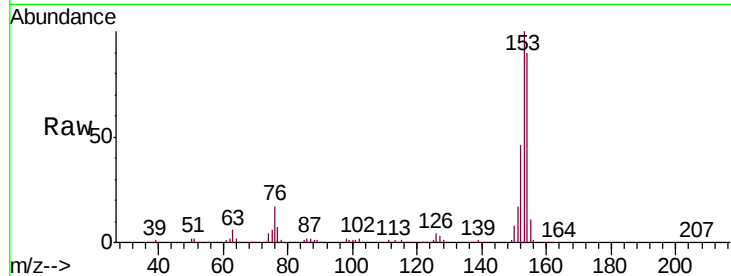
Tgt Ion:153 Resp: 1459643

Ion Ratio Lower Upper

153 100

152 45.8 37.3 55.9

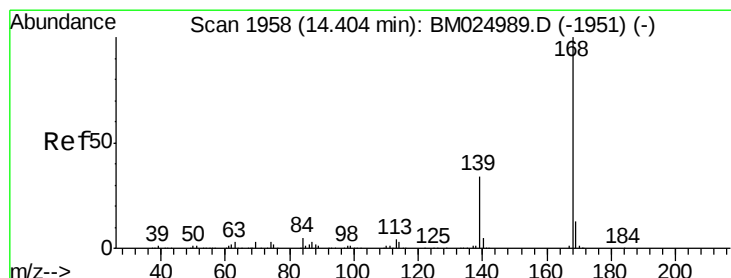
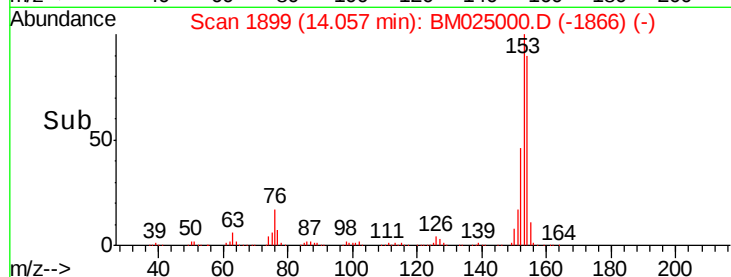
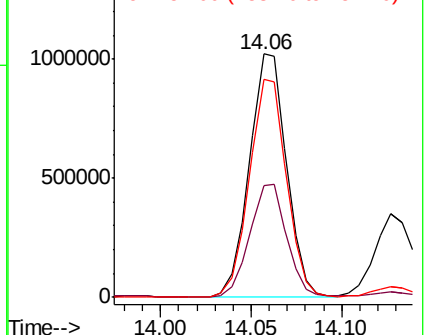
154 89.8 74.1 111.1



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



#54

Dibenzofuran

Concen: 57.118 ng/ul

RT: 14.40 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BM025000.D

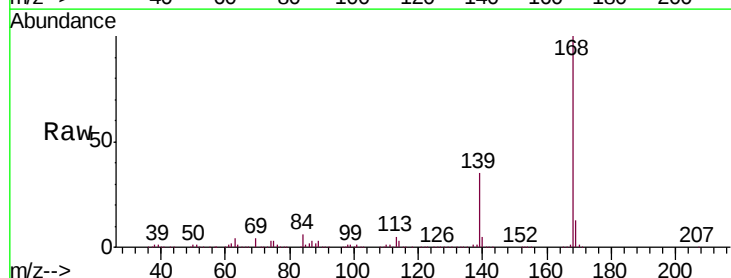
Acq: 21 Feb 2020 23:10

Tgt Ion:168 Resp: 2215433

Ion Ratio Lower Upper

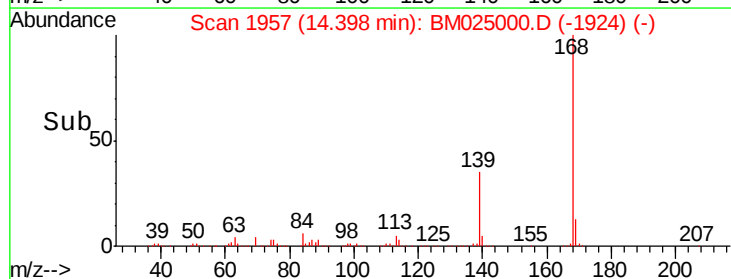
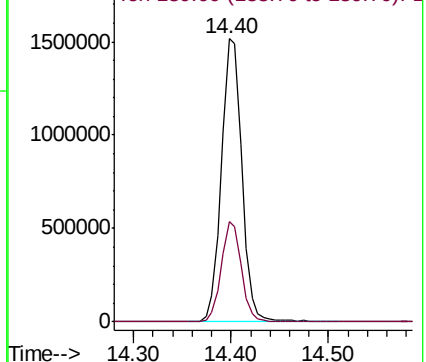
168 100

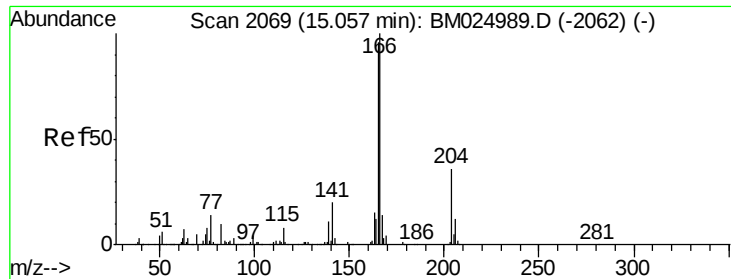
139 35.4 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.237 ng/ul

RT: 15.06 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BM025000.D

Acq: 21 Feb 2020 23:10

Instrument :

BNA\_M

ClientSampleId :

DBCX4DL

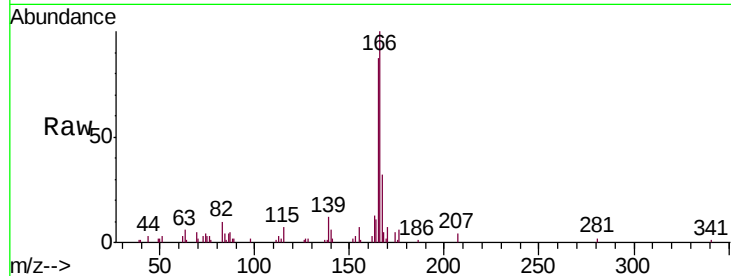
Tgt Ion:166 Resp: 39528

Ion Ratio Lower Upper

166 100

165 87.0 75.8 113.8

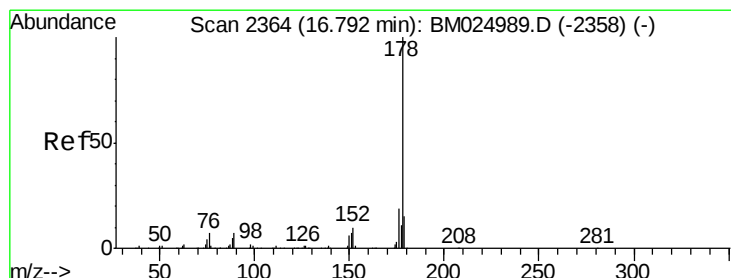
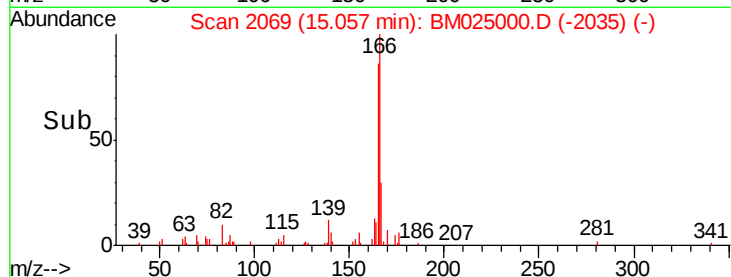
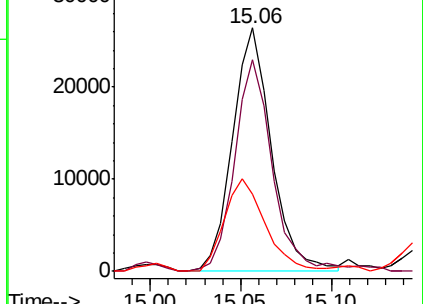
167 31.7 10.6 16.0#



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



#70

Phenanthrene

Concen: 19.490 ng/ul

RT: 16.79 min Scan# 2364

Delta R.T. 0.00 min

Lab File: BM025000.D

Acq: 21 Feb 2020 23:10

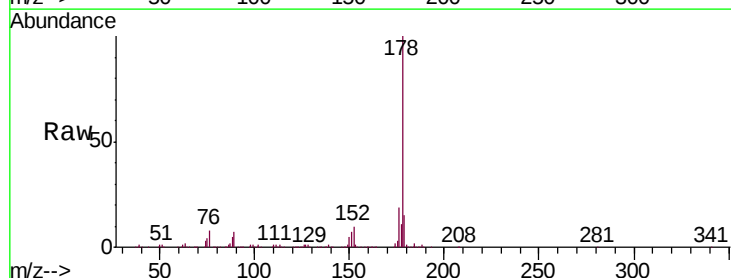
Tgt Ion:178 Resp: 1005625

Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.2

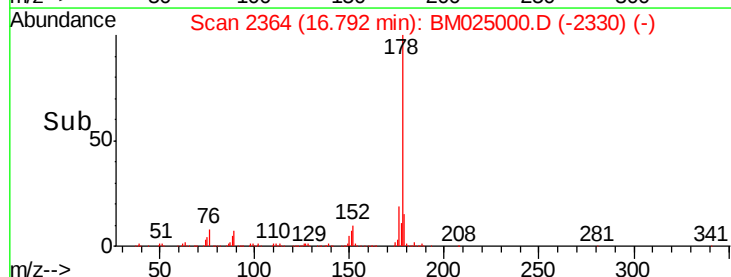
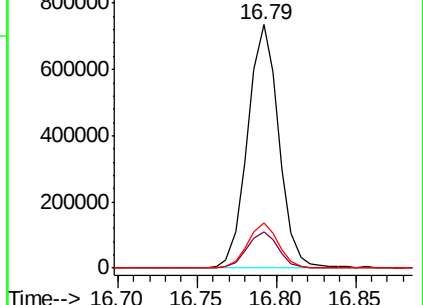
176 18.6 14.5 21.7

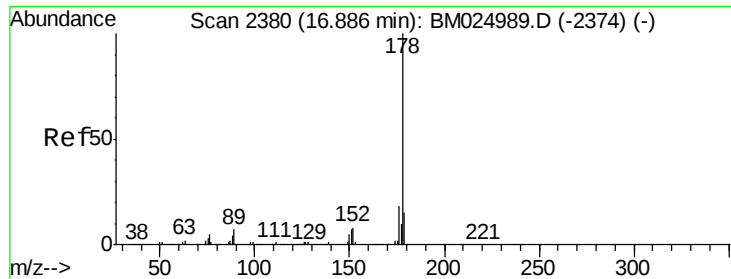


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 19.218 ng/ul

RT: 16.79 min Scan# 2364

Delta R.T. -0.09 min

Lab File: BM025000.D

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BNA\_M

ClientSampleId :

DBCX4DL

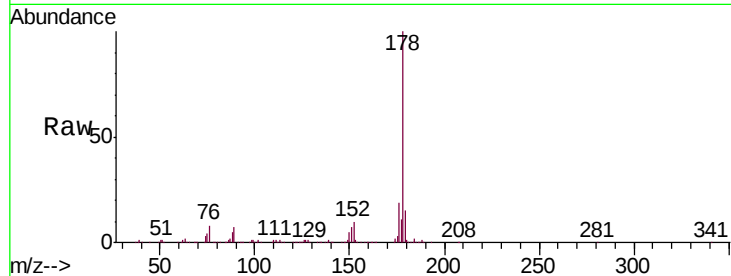
Tgt Ion:178 Resp: 1005625

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

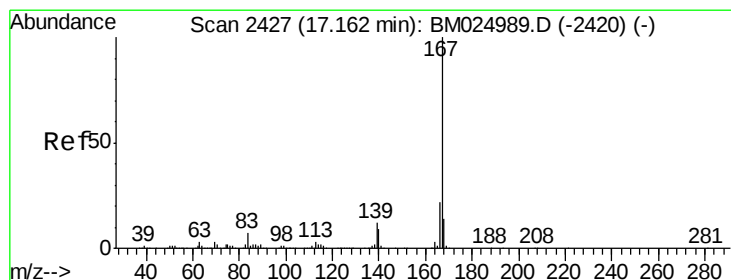
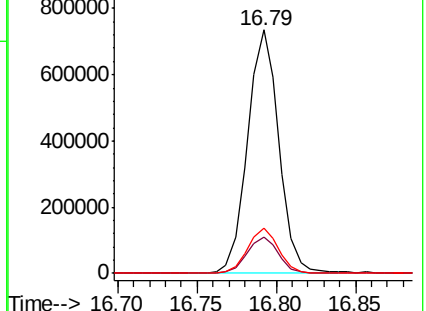
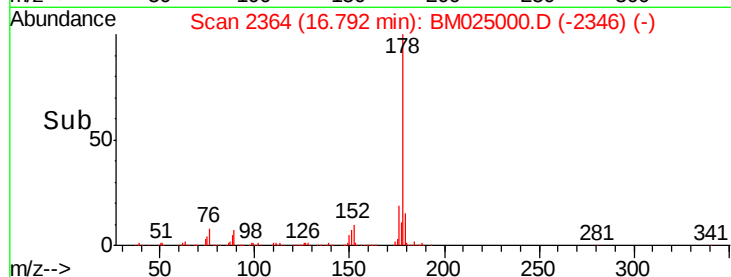
176 18.6 14.1 21.1



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



#75

Carbazole

Concen: 36.060 ng/ul

RT: 17.16 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BM025000.D

Acq: 21 Feb 2020 23:10

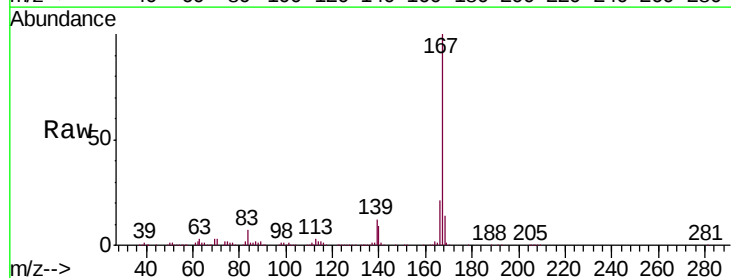
Tgt Ion:167 Resp: 1572031

Ion Ratio Lower Upper

167 100

166 21.1 16.6 24.8

139 11.6 9.3 13.9



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

