

Data File : BM023334.D  
Acq On : 23 Oct 2019 00:19  
Operator : JU  
Sample : K5354-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFBB2

Quant Time: Oct 23 01:44:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 23 01:39:41 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 421635   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1687227  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.29 | 164  | 1052860  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.04 | 188  | 2204305  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 2217173  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.44 | 264  | 2713653  | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.17  | 96  | 34273   | 3.58  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 579316  | 15.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 350520  | 16.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 489966  | 17.43 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 406622  | 13.78 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 240792  | 21.09 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 267824  | 24.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 497950  | 18.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 151040  | 4.49  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.71 | 166 | 1572517 | 19.49 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.98 | 160 | 1871620 | 19.78 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.50 | 143 | 152972  | 11.71 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.29 | 176 | 1407897 | 20.48 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 140597  | 16.09 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.14 | 188 | 2166128 | 20.38 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 2349423 | 21.88 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.30 | 264 | 2819543 | 20.50 | ng/ul | 0.00 |

#### Target Compounds

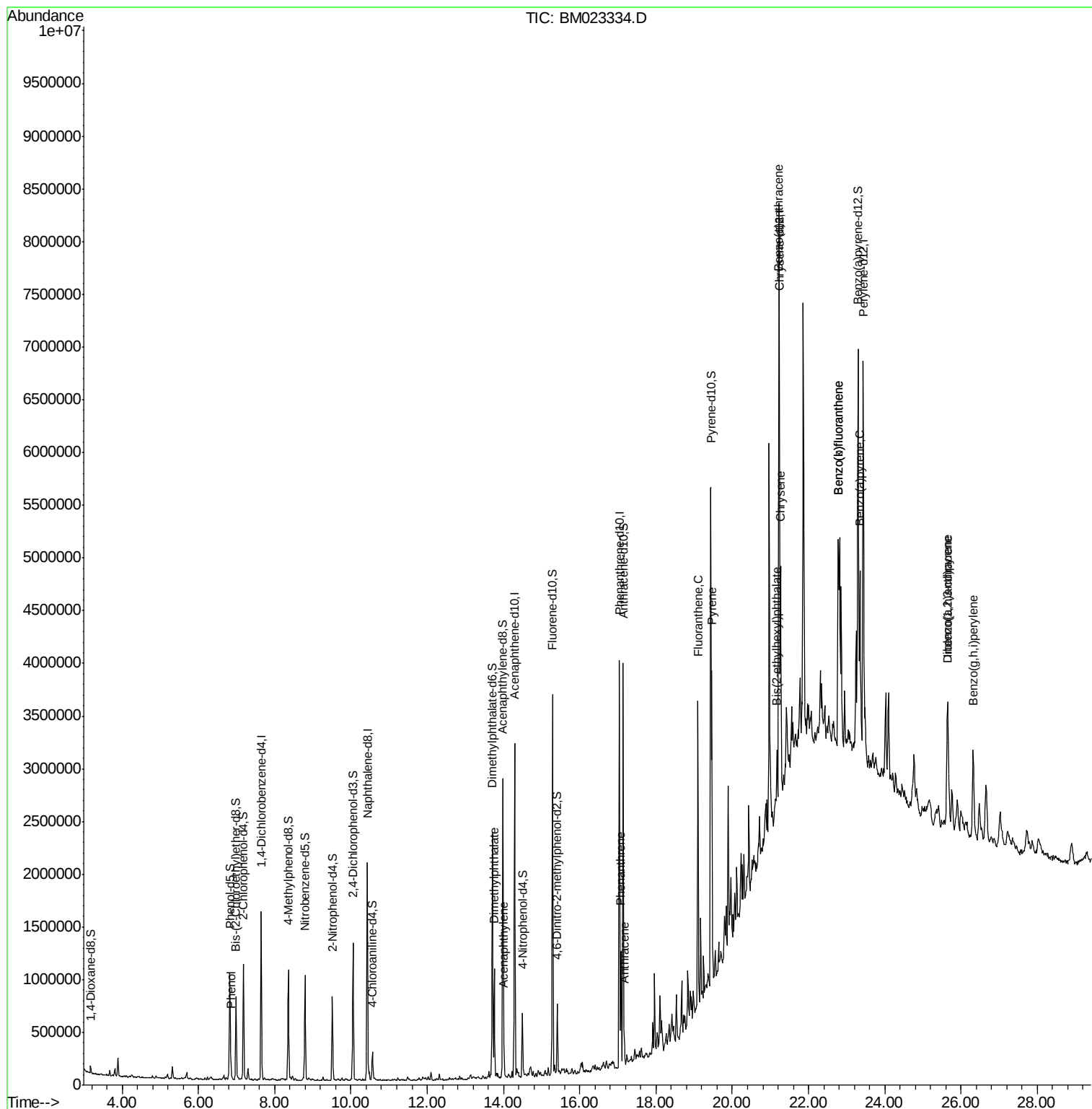
|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.85  | 94  | 67896   | 1.793  | ng/ul 100 |
| 45) Dimethylphthalate          | 13.76 | 163 | 635520  | 7.869  | ng/ul 100 |
| 48) Acenaphthylene             | 14.01 | 152 | 186100  | 1.923  | ng/ul 98  |
| 70) Phenanthrene               | 17.08 | 178 | 642574  | 5.194  | ng/ul 99  |
| 72) Anthracene                 | 17.17 | 178 | 201577  | 1.577  | ng/ul 99  |
| 77) Fluoranthene               | 19.10 | 202 | 1785814 | 12.138 | ng/ul 98  |
| 80) Pyrene                     | 19.46 | 202 | 1815224 | 13.069 | ng/ul 98  |
| 83) Benzo(a)anthracene         | 21.22 | 228 | 1232751 | 8.206  | ng/ul 94  |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 171237  | 2.229  | ng/ul# 97 |
| 85) Chrysene                   | 21.27 | 228 | 1215181 | 8.711  | ng/ul 96  |
| 88) Benzo(b)fluoranthene       | 22.78 | 252 | 1759351 | 10.693 | ng/ul 98  |
| 89) Benzo(k)fluoranthene       | 22.78 | 252 | 1759351 | 11.136 | ng/ul 98  |
| 91) Benzo(a)pyrene             | 23.34 | 252 | 1314784 | 8.329  | ng/ul 98  |
| 92) Indeno(1,2,3-cd)pyrene     | 25.64 | 276 | 963443  | 5.131  | ng/ul 97  |
| 93) Dibenzo(a,h)anthracene     | 25.66 | 278 | 275910  | 1.757  | ng/ul# 93 |
| 94) Benzo(g,h,i)perylene       | 26.32 | 276 | 947004  | 6.125  | ng/ul 99  |

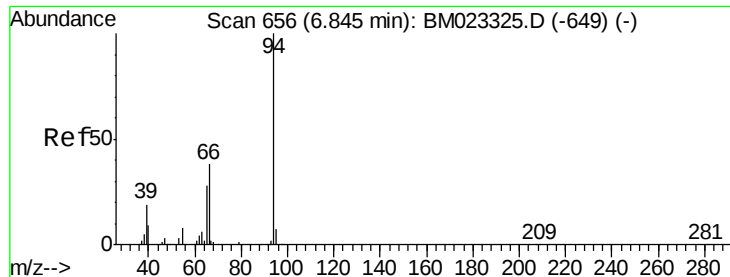
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.793 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampleId :

BFB2

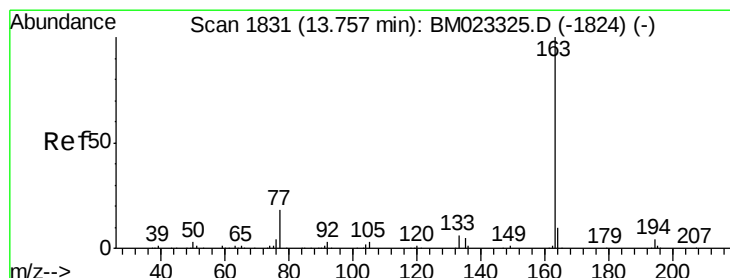
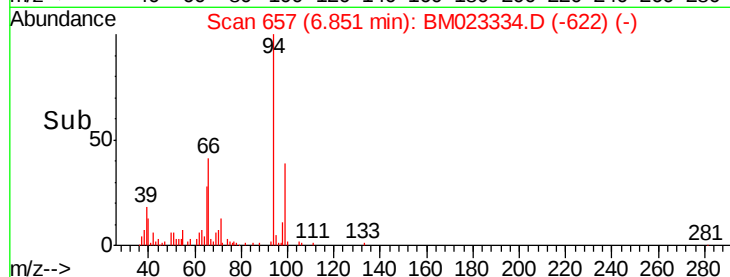
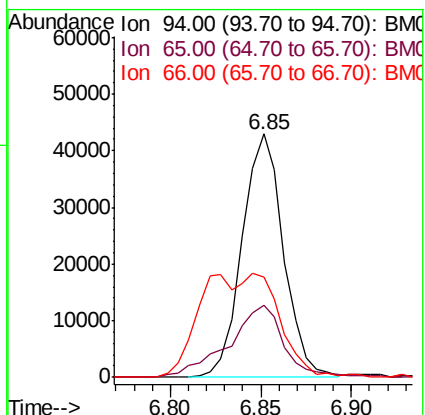
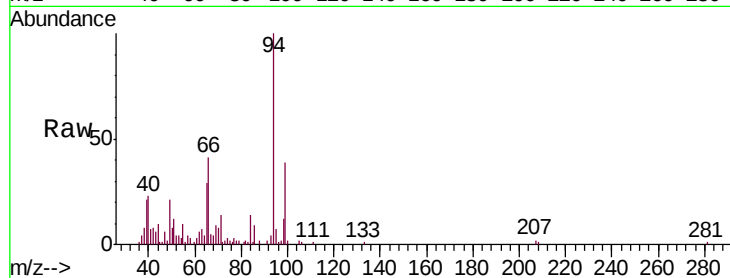
Tgt Ion: 94 Resp: 67896

Ion Ratio Lower Upper

94 100

65 29.5 23.2 34.8

66 41.1 32.9 49.3



#45

Dimethylphthalate

Concen: 7.869 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

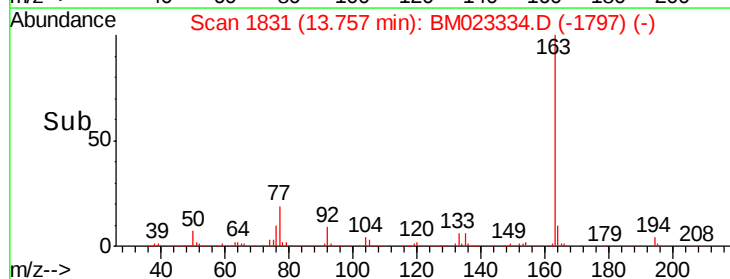
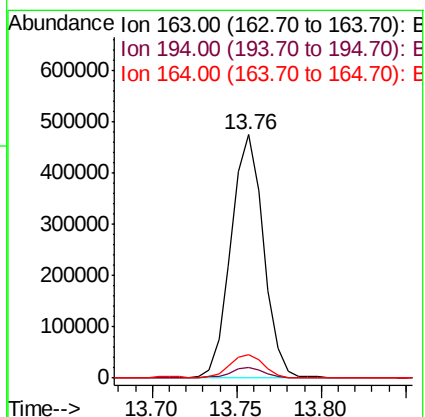
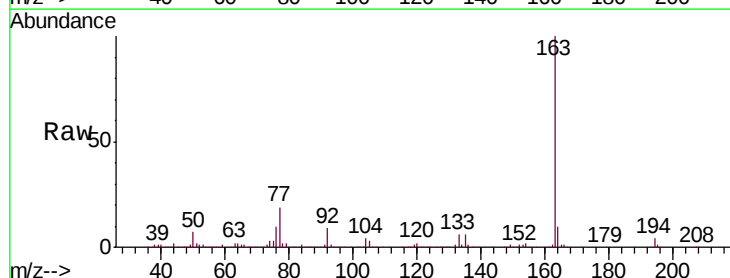
Tgt Ion: 163 Resp: 635520

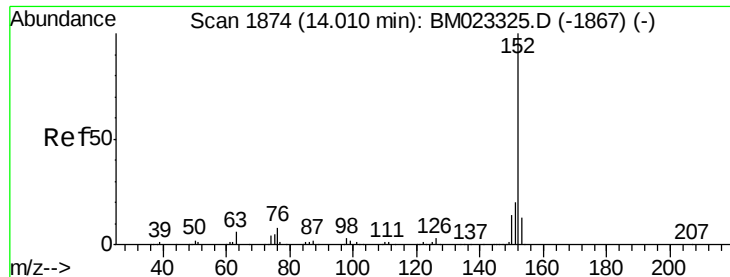
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 9.9 7.8 11.6





#48

Acenaphthylene

Concen: 1.923 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampleId :

BFBB2

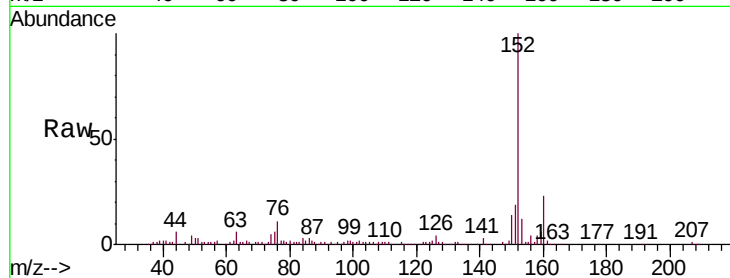
Tgt Ion:152 Resp: 186100

Ion Ratio Lower Upper

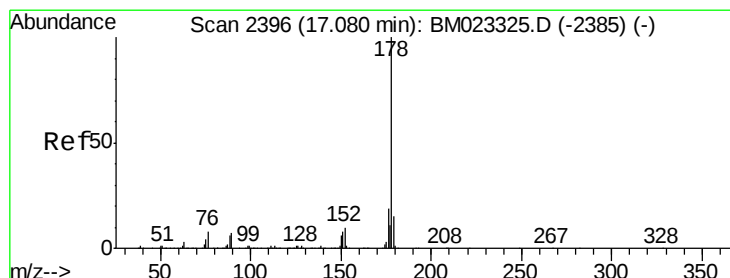
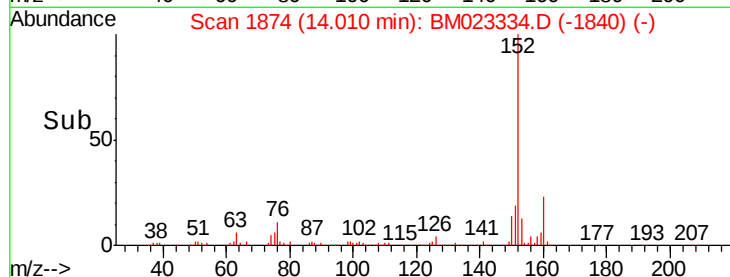
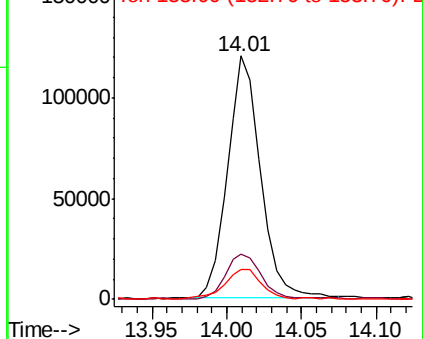
152 100

151 18.7 15.9 23.9

153 12.5 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#70

Phenanthrene

Concen: 5.194 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

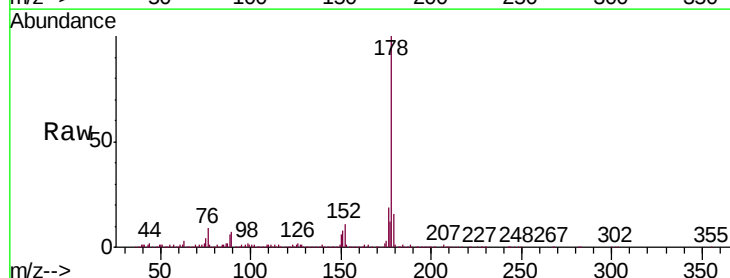
Tgt Ion:178 Resp: 642574

Ion Ratio Lower Upper

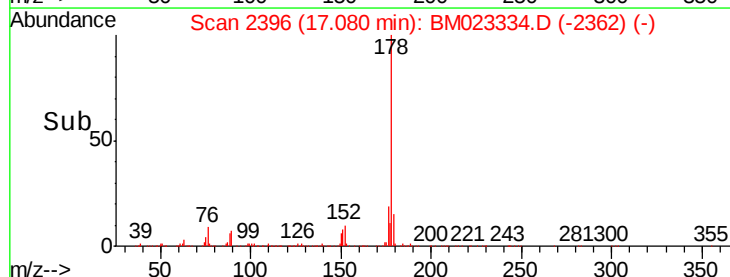
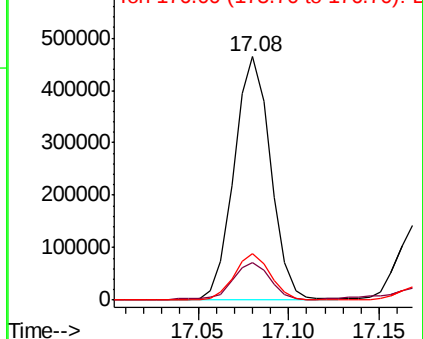
178 100

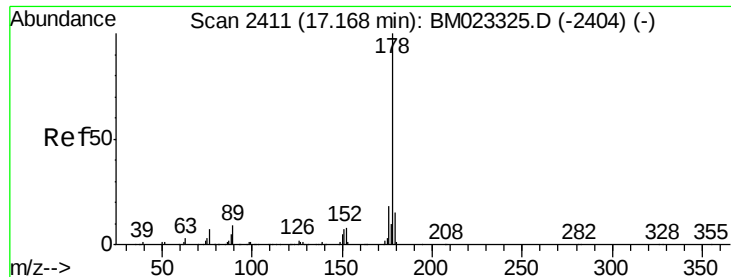
179 15.6 11.7 17.5

176 18.8 15.0 22.4



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: 1.577 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampled :

BFBB2

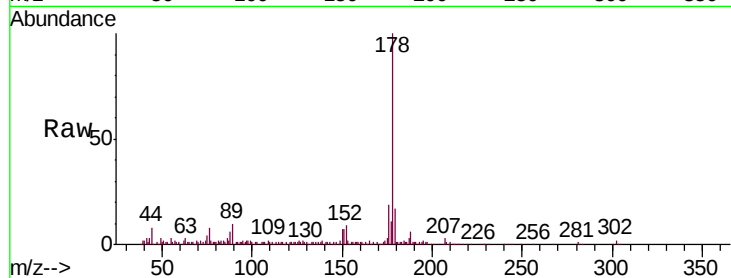
Tgt Ion:178 Resp: 201577

Ion Ratio Lower Upper

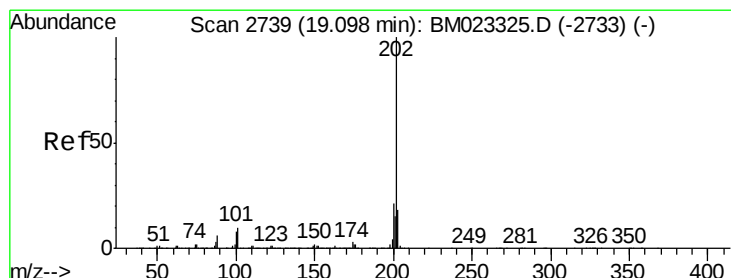
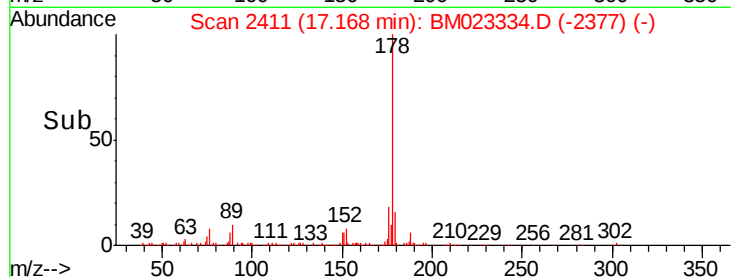
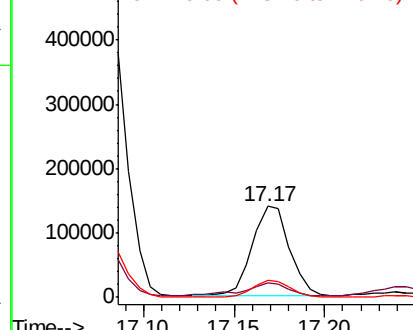
178 100

179 16.5 12.5 18.7

176 18.6 14.8 22.2



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



#77

Fluoranthene

Concen: 12.138 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

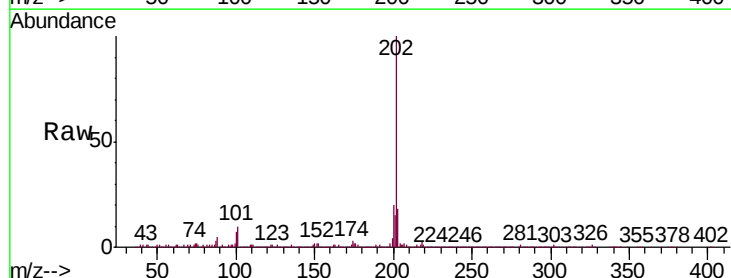
Tgt Ion:202 Resp: 1785814

Ion Ratio Lower Upper

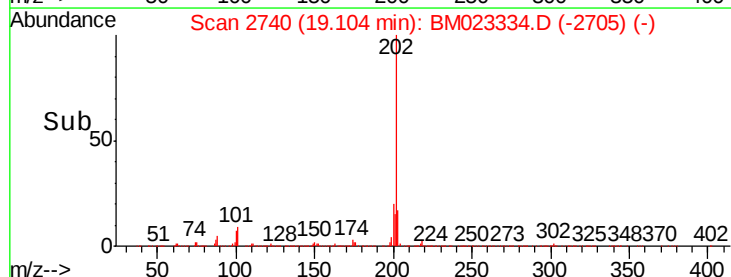
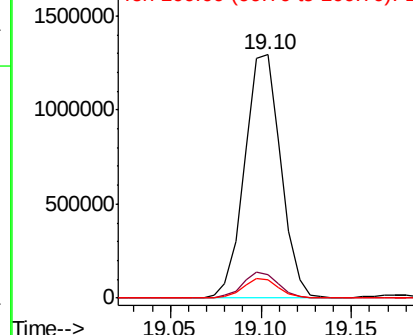
202 100

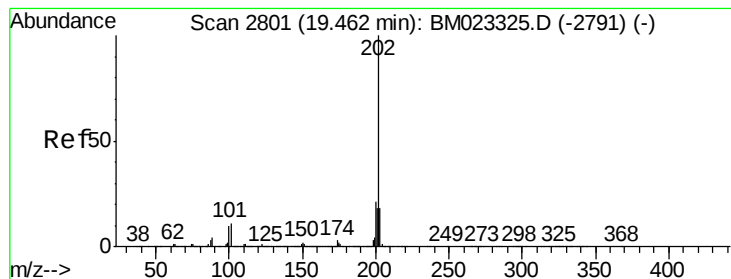
101 9.5 8.2 12.4

100 7.3 6.1 9.1



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





#80

Pyrene

Concen: 13.069 ng/ul

RT: 19.46 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampleId :

BFBB2

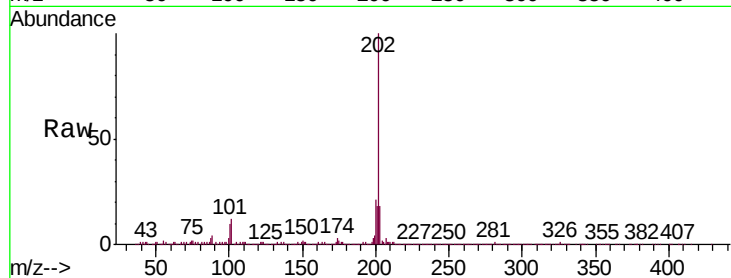
Tgt Ion:202 Resp: 1815224

Ion Ratio Lower Upper

202 100

101 12.1 9.0 13.6

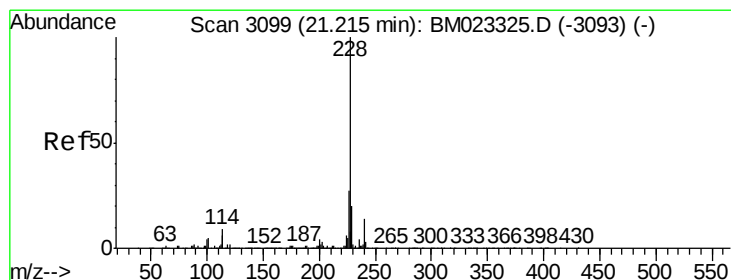
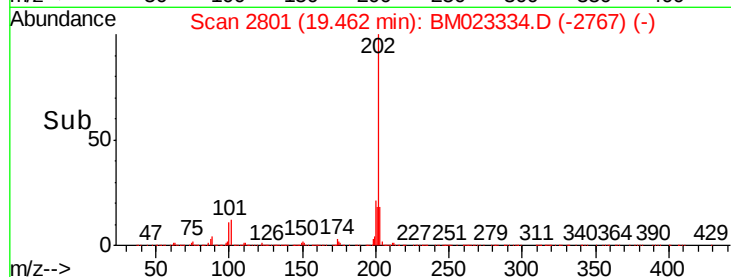
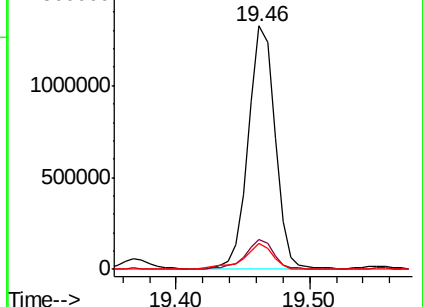
100 10.5 7.5 11.3



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): B



#83

Benzo(a)anthracene

Concen: 8.206 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

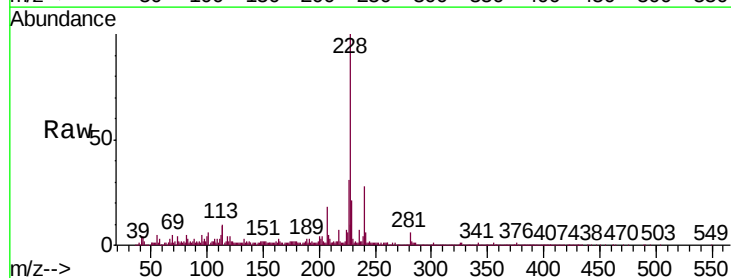
Tgt Ion:228 Resp: 1232751

Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.8

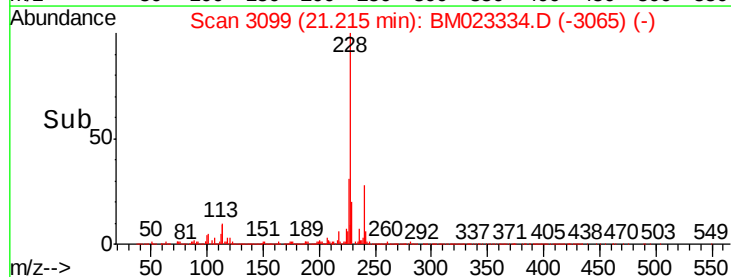
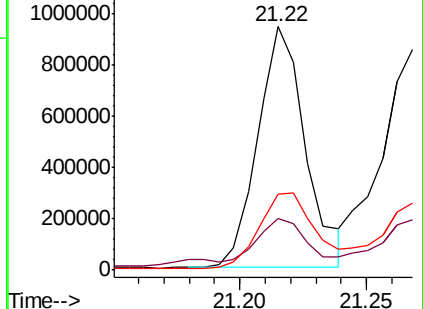
226 31.4 21.5 32.3

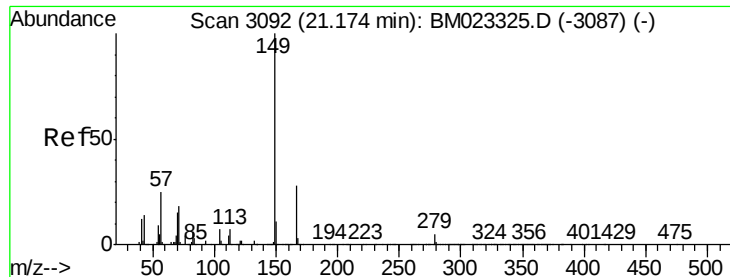


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

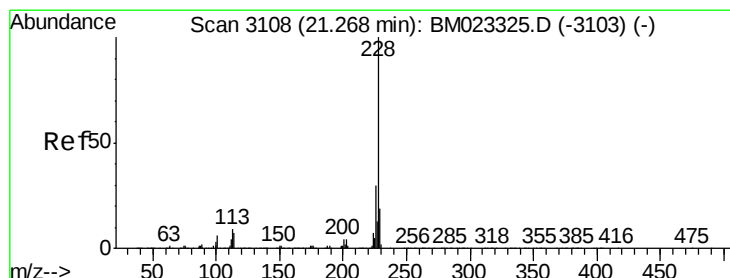
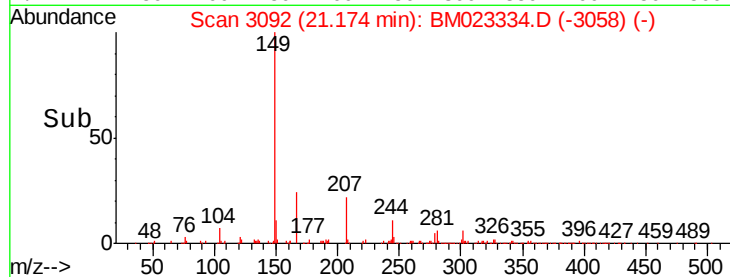
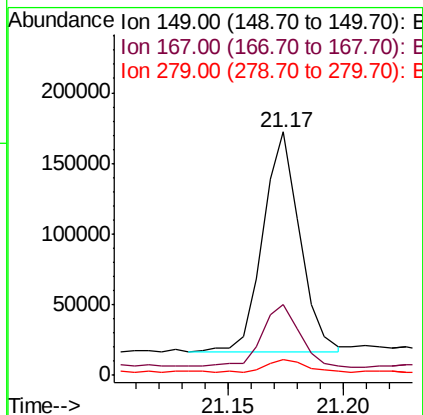
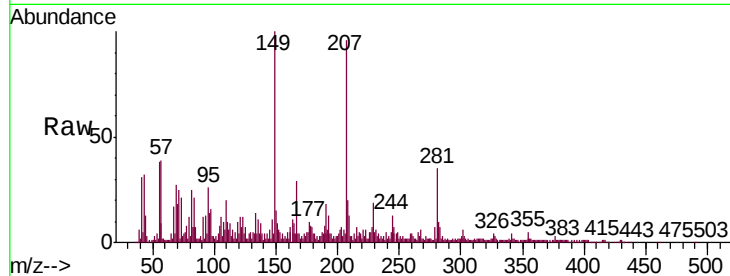




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.229 ng/ul  
 RT: 21.17 min Scan# 3092  
 Delta R.T. 0.00 min  
 Lab File: BM023334.D  
 Acq: 23 Oct 2019 00:19

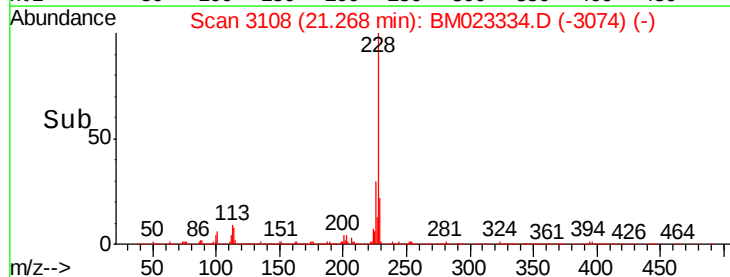
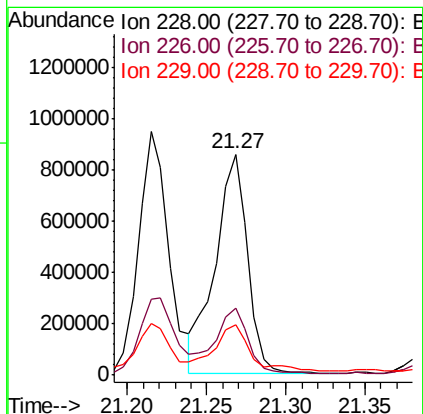
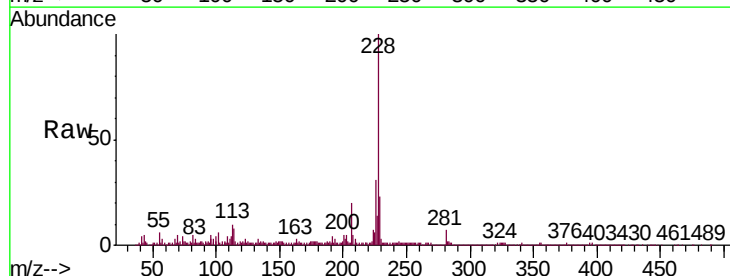
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFBB2

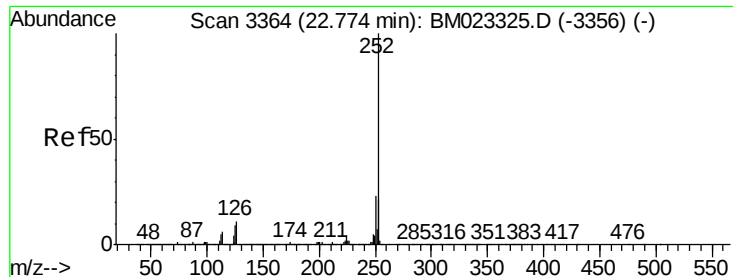
Tgt Ion:149 Resp: 171237  
 Ion Ratio Lower Upper  
 149 100  
 167 29.1 22.1 33.1  
 279 6.5 4.3 6.5#



#85  
 Chrysene  
 Concen: 8.711 ng/ul  
 RT: 21.27 min Scan# 3108  
 Delta R.T. 0.00 min  
 Lab File: BM023334.D  
 Acq: 23 Oct 2019 00:19

Tgt Ion:228 Resp: 1215181  
 Ion Ratio Lower Upper  
 228 100  
 226 30.5 23.4 35.0  
 229 22.8 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 10.693 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampled :

BFBB2

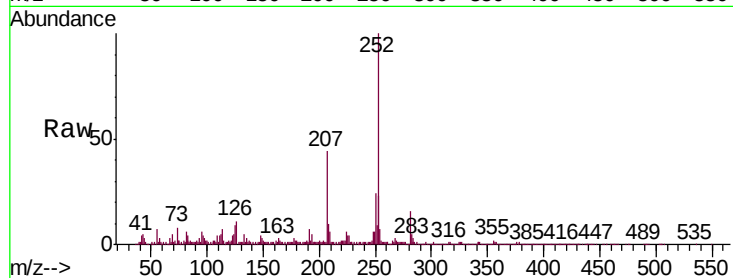
Tgt Ion:252 Resp: 1759351

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

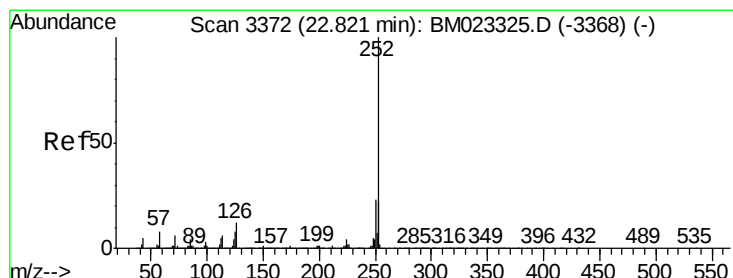
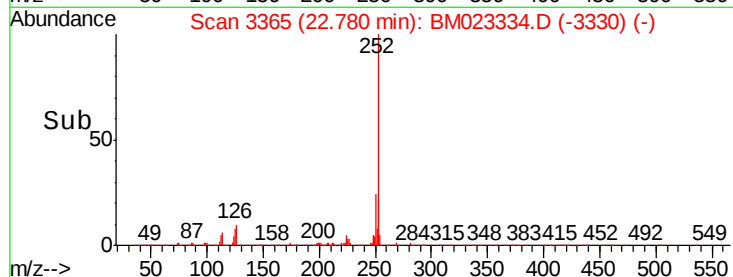
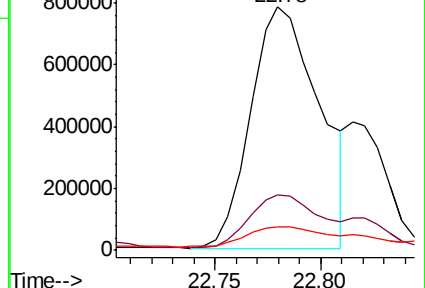
125 9.4 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 11.136 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

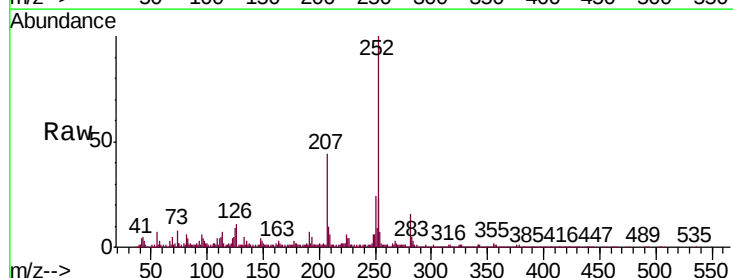
Tgt Ion:252 Resp: 1759351

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

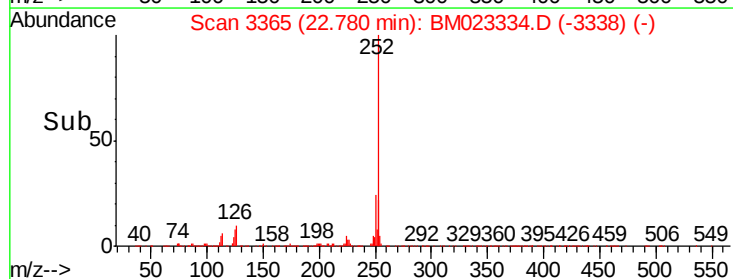
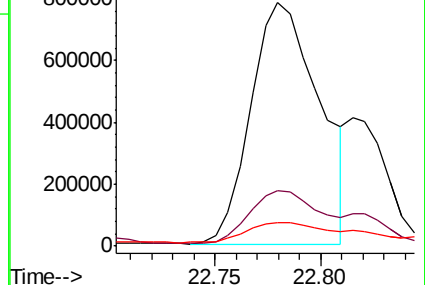
125 9.4 6.6 9.8

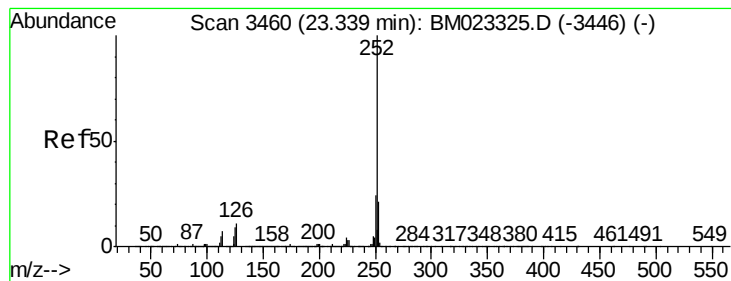


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.329 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampled :

BFBB2

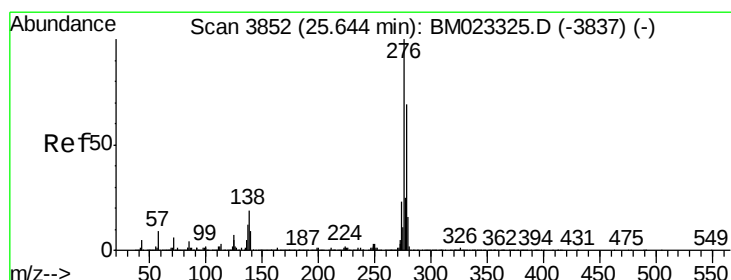
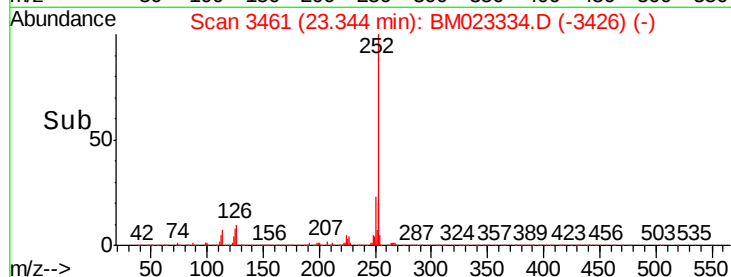
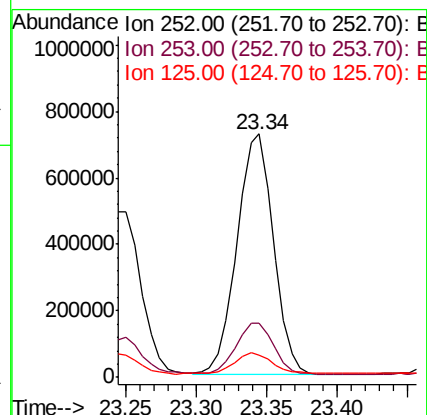
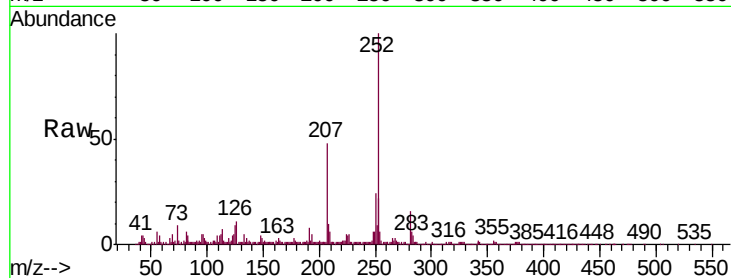
Tgt Ion:252 Resp: 1314784

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 9.3 7.1 10.7



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.131 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

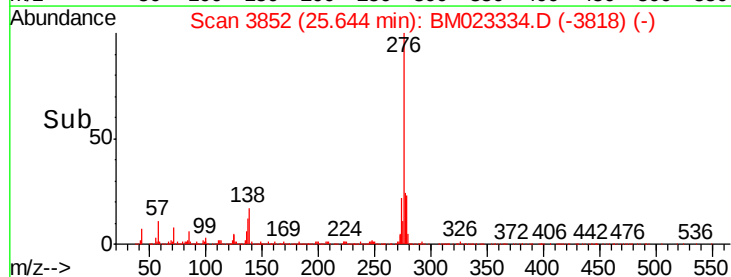
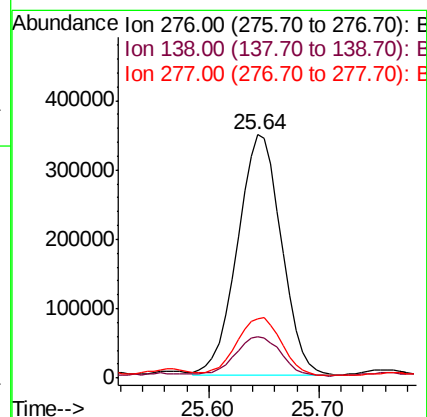
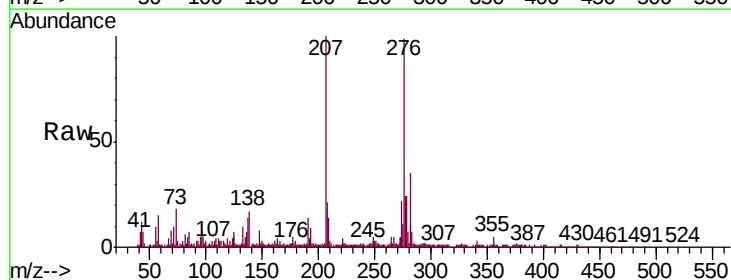
Tgt Ion:276 Resp: 963443

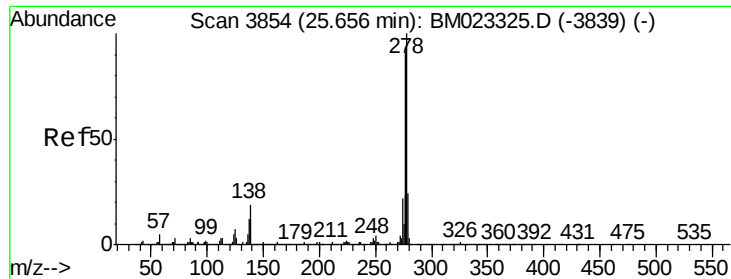
Ion Ratio Lower Upper

276 100

138 17.2 15.8 23.6

277 24.5 19.8 29.8





#93

Dibenzo(a,h)anthracene

Concen: 1.757 ng/ul

RT: 25.66 min Scan# 3854

Delta R.T. 0.00 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

Instrument :

BNA\_M

ClientSampleId :

BFBB2

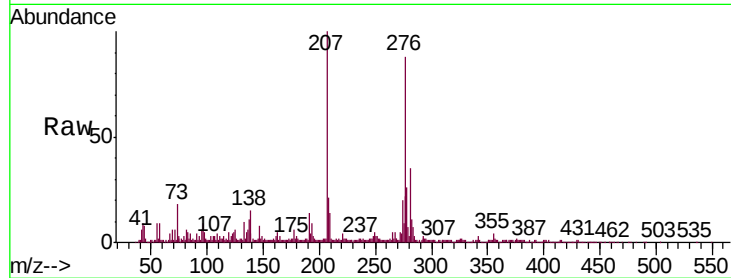
Tgt Ion:278 Resp: 275910

Ion Ratio Lower Upper

278 100

139 15.8 10.5 15.7#

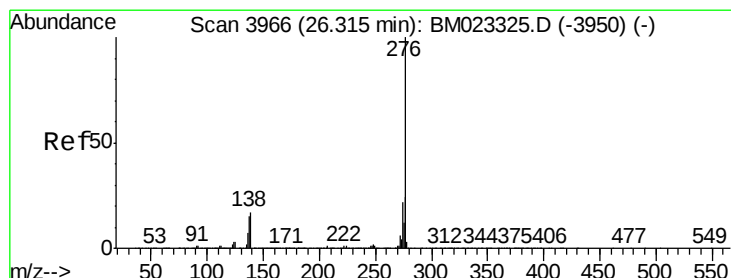
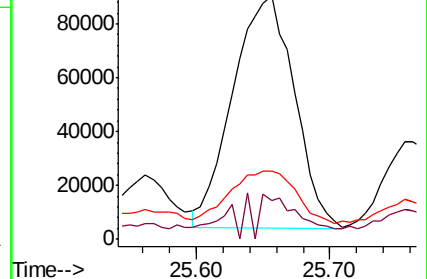
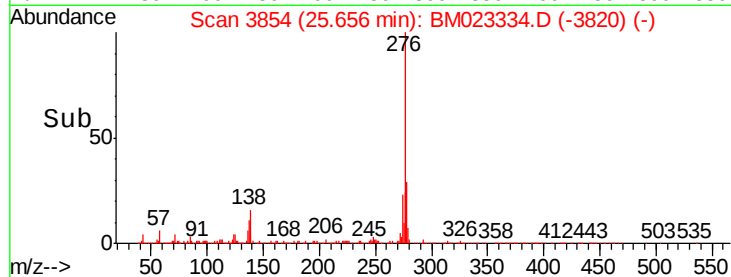
279 27.9 19.7 29.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 6.125 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. 0.01 min

Lab File: BM023334.D

Acq: 23 Oct 2019 00:19

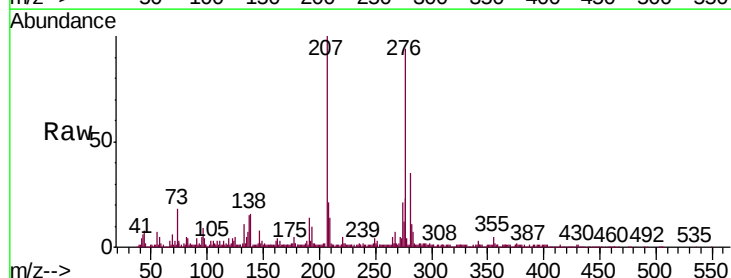
Tgt Ion:276 Resp: 947004

Ion Ratio Lower Upper

276 100

138 17.5 13.9 20.9

277 24.1 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

