

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\  
 Data File : BM026754.D  
 Acq On : 14 Jul 2020 15:57  
 Operator : JU/CG  
 Sample : PB130124BL  
 Misc : PBBL-WATER-02  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK24

Quant Time: Jul 14 16:30:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM063020MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 14 10:31:32 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.31  | 152  | 61188    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.06 | 136  | 241633   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 13.97 | 164  | 145584   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.73 | 188  | 309156   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 20.95 | 240  | 302340   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.02 | 264  | 363326   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.91  | 96  | 13245  | 6.50  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.52  | 99  | 169577 | 30.26 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.67  | 67  | 122870 | 32.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.85  | 132 | 135286 | 31.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.04  | 113 | 131532 | 29.35 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.45  | 128 | 62667  | 32.80 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.17  | 143 | 67268  | 33.01 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.71  | 165 | 114034 | 28.58 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.22 | 131 | 166650 | 39.66 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.40 | 166 | 394221 | 33.94 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.65 | 160 | 451229 | 32.15 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.24 | 143 | 46526  | 27.76 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 14.98 | 176 | 337192 | 33.16 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.14 | 200 | 48719  | 25.22 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.83 | 188 | 427893 | 28.11 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.14 | 212 | 583450 | 37.13 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.89 | 264 | 662462 | 33.79 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |      | Ovalue |           |
|--------------------------------|-------|-----|------|--------|-----------|
| 2) 1,4-Dioxane                 | 2.95  | 88  | 248  | 0.112  | ng/uL# 14 |
| 4) Benzaldehyde                | 6.51  | 77  | 56   | 0.019  | ng/ul# 8  |
| 15) N-Nitroso-di-n-propylamine | 8.04  | 70  | 4120 | 0.918  | ng/ul# 1  |
| 20) Nitrobenzene               | 8.45  | 77  | 923  | 0.153  | ng/ul# 45 |
| 21) Isophorone                 | 9.17  | 82  | 8361 | 0.825  | ng/ul# 76 |
| 45) Dimethylphthalate          | 13.41 | 163 | 76   | 0.006  | ng/ul# 1  |
| 46) 2,6-Dinitrotoluene         | 13.41 | 165 | 2188 | 0.931  | ng/ul# 27 |
| 59) Fluorene                   | 14.98 | 166 | 818  | 0.066  | ng/ul# 8  |
| 61) 4-Nitroaniline             | 14.98 | 138 | 154  | 0.070  | ng/ul# 1  |
| 64) 4,6-Dinitro-2-methylphenol | 15.14 | 198 | 119  | 0.058  | ng/ul# 1  |
| 65) N-Nitrosodiphenylamine     | 15.15 | 169 | 442  | 0.043  | ng/ul# 25 |
| 70) Phenanthrene               | 16.83 | 178 | 121  | 0.006  | ng/ul# 1  |
| 72) Anthracene                 | 16.84 | 178 | 56   | 0.003  | ng/ul# 1  |
| 76) Di-n-butylphthalate        | 17.73 | 149 | 268  | 0.014  | ng/ul# 78 |
| 80) Pyrene                     | 19.15 | 202 | 731  | 0.034  | ng/ul# 1  |
| 81) Butylbenzylphthalate       | 20.15 | 149 | 190  | 0.025  | ng/ul# 17 |
| 83) Benzo(a)anthracene         | 20.95 | 228 | 851  | 0.041  | ng/ul# 54 |
| 84) Bis(2-ethylhexyl)phthalate | 20.91 | 149 | 64   | 0.006  | ng/ul# 53 |
| 85) Chrysene                   | 20.95 | 228 | 851  | 0.041  | ng/ul# 53 |
| 87) Di-n-octyl phthalate       | 21.74 | 149 | 281  | 0.013  | ng/ul 100 |
| 88) Benzo(b)fluoranthene       | 22.42 | 252 | 252  | 0.010  | ng/ul# 1  |
| 89) Benzo(k)fluoranthene       | 22.46 | 252 | 405  | 0.017  | ng/ul# 1  |
| 91) Benzo(a)pyrene             | 22.93 | 252 | 95   | 0.004  | ng/ul# 1  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\  
Data File : BM026754.D  
Acq On : 14 Jul 2020 15:57  
Operator : JU/CG  
Sample : PB130124BL  
Misc : PBBL-WATER-02  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SBLK24

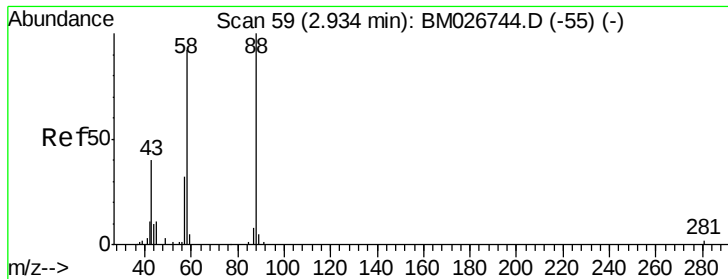
Quant Time: Jul 14 16:30:46 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM063020MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 14 10:31:32 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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





#2

1,4-Dioxane

Concen: 0.112 ng/uL

RT: 2.95 min Scan# 37

Delta R.T. 0.02 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampled :

SBLK24

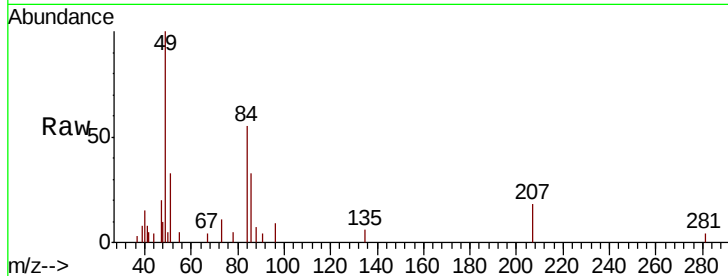
Tot Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 0.0 38.2 57.2#

58 0.0 68.9 103.3#

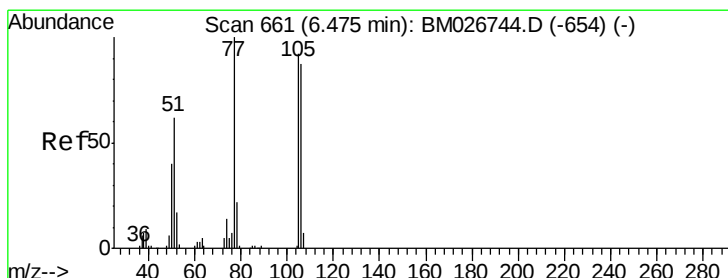
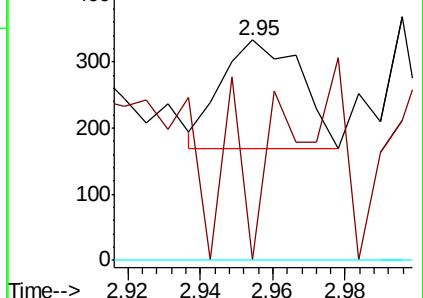
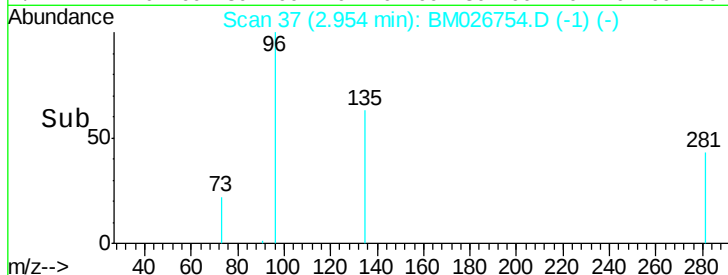


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Time-->



#4

Benzaldehyde

Concen: 0.019 ng/uL

RT: 6.51 min Scan# 641

Delta R.T. 0.03 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

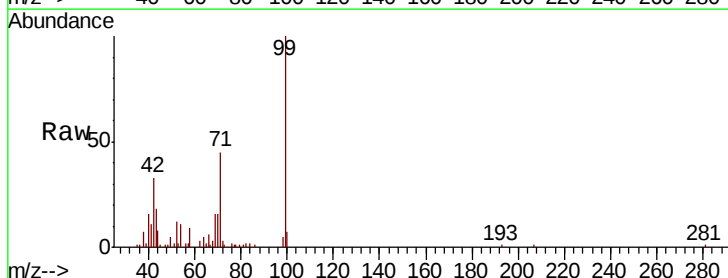
Tgt Ion: 77 Resp: 56

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

106 0.0 66.2 99.4#

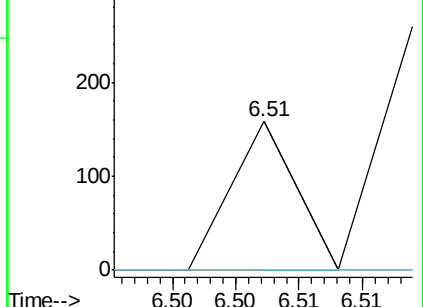
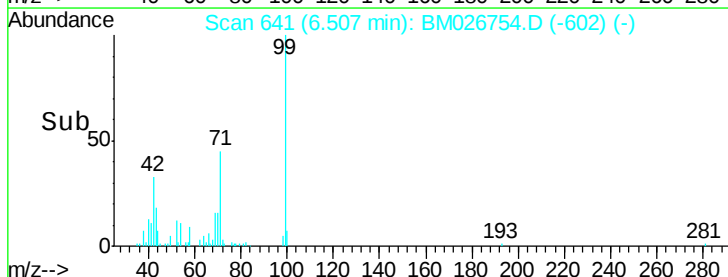


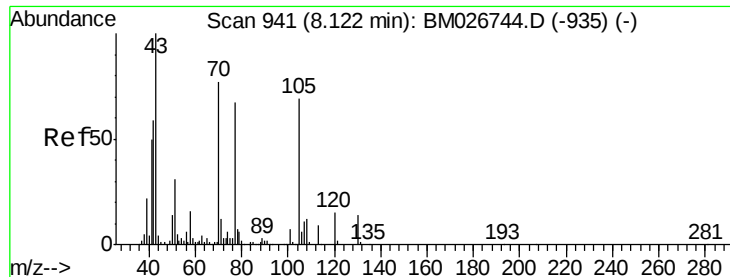
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

Time-->





#15

N-Nitroso-di-n-propylamine

Concen: 0.918 ng/ul

RT: 8.04 min Scan# 901

Delta R.T. -0.09 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampleId :

SBLK24

Tot Ion: 70 Resp: 4120

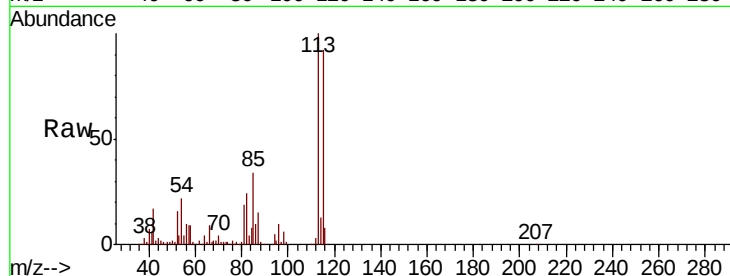
Ion Ratio Lower Upper

70 100

42 477.6 58.5 87.7#

101 0.0 7.0 10.4#

130 0.0 13.2 19.8#

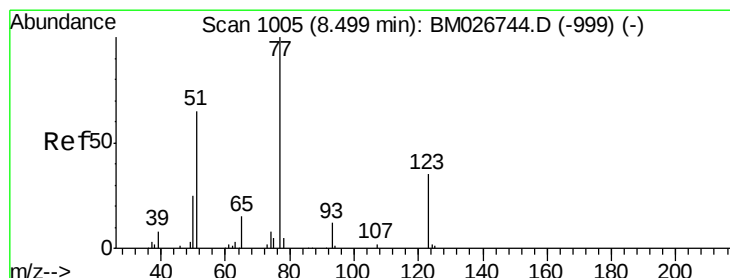
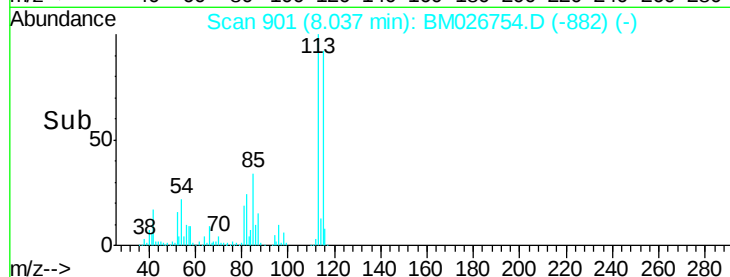
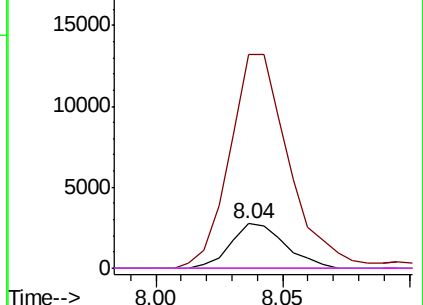


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

Nitrobenzene

Concen: 0.153 ng/ul

RT: 8.45 min Scan# 972

Delta R.T. -0.04 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

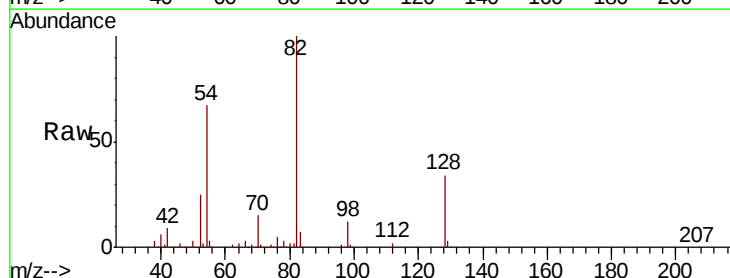
Tgt Ion: 77 Resp: 923

Ion Ratio Lower Upper

77 100

123 0.0 29.8 44.8#

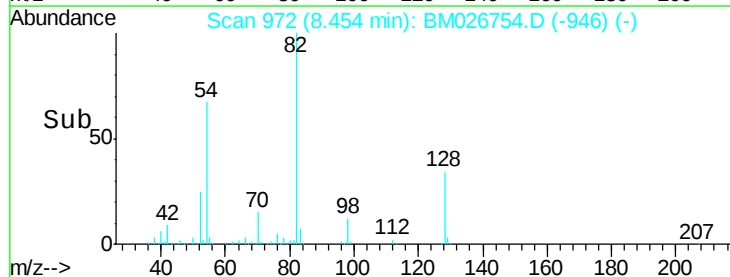
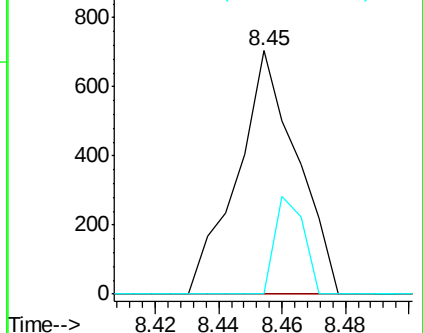
65 0.0 11.8 17.6#

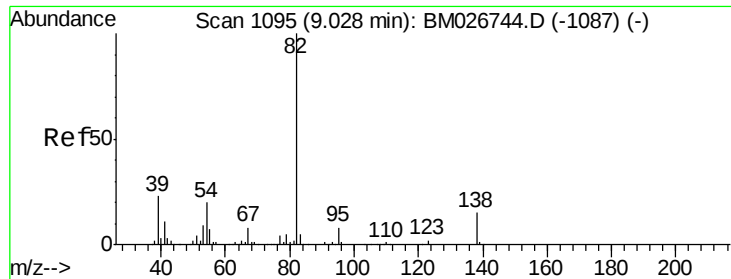


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 0.825 ng/ul

RT: 9.17 min Scan# 1093

Delta R.T. 0.14 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampleId :

SBLK24

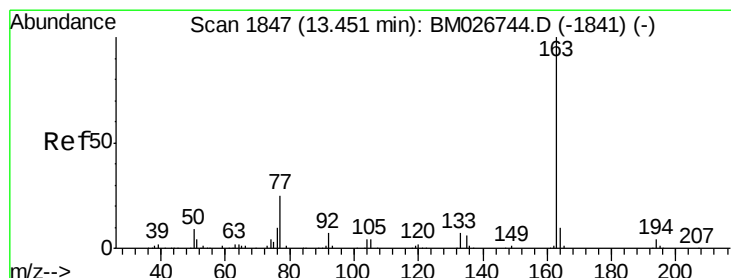
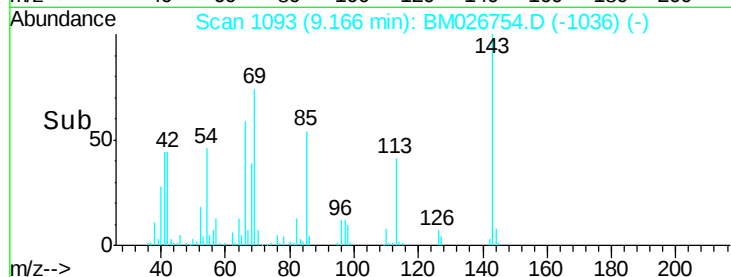
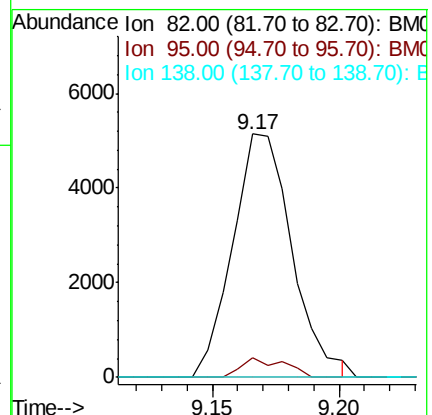
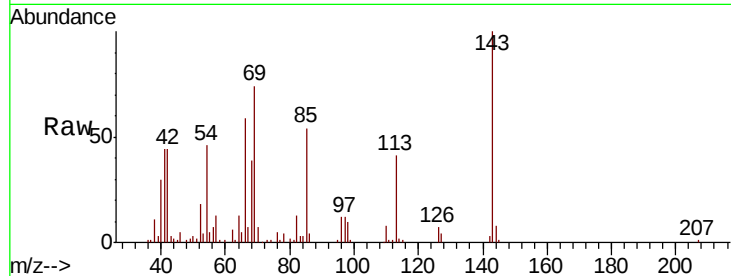
Tot Ion: 82 Resp: 8361

Ion Ratio Lower Upper

82 100

95 7.9 6.4 9.6

138 0.0 12.2 18.4#



#45

Dimethylphthalate

Concen: 0.006 ng/ul

RT: 13.41 min Scan# 1815

Delta R.T. -0.04 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

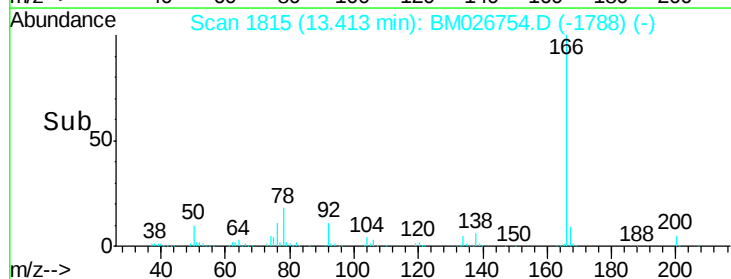
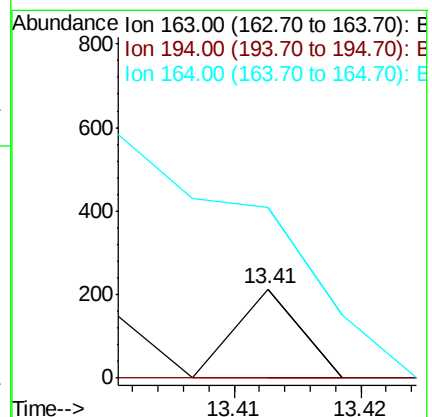
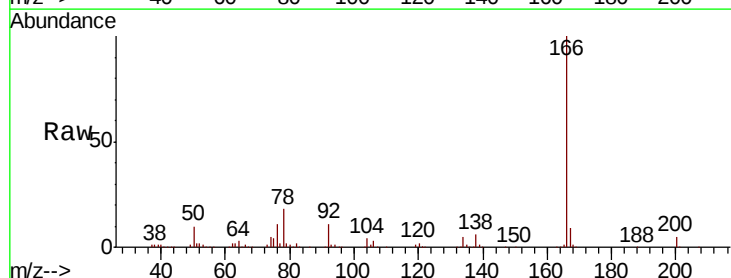
Tgt Ion: 163 Resp: 76

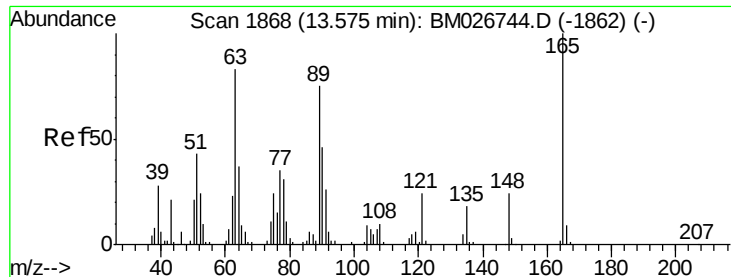
Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

164 190.7 7.8 11.6#

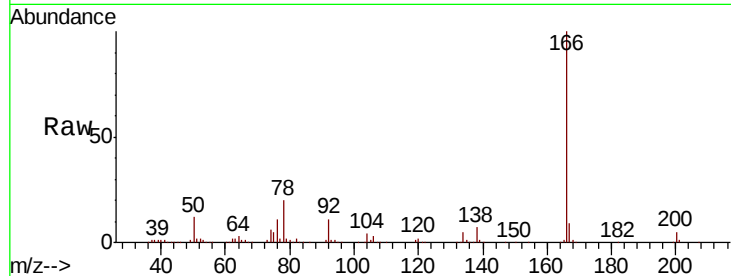




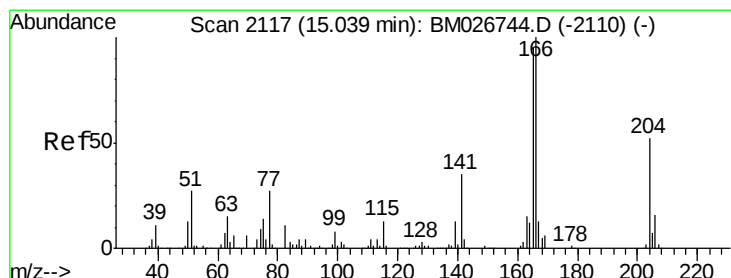
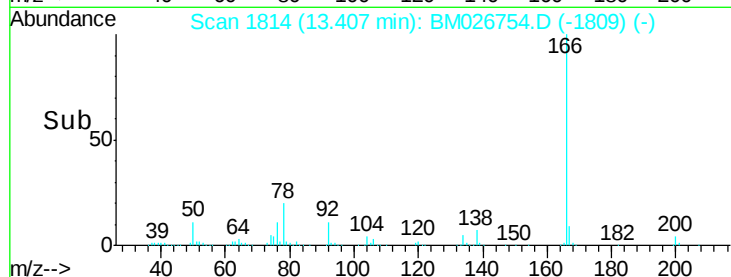
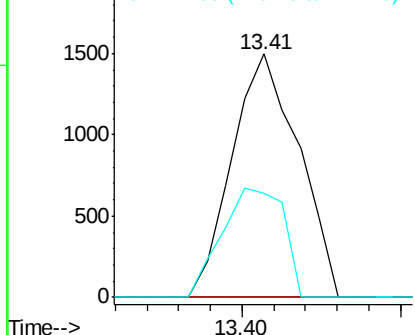
#46  
 2,6-Dinitrotoluene  
 Concen: 0.931 ng/ul  
 RT: 13.41 min Scan# 1814  
 Delta R.T. -0.17 min  
 Lab File: BM026754.D  
 Acq: 14 Jul 2020 15:57

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK24

Tot Ion:165 Resp: 2188  
 Ion Ratio Lower Upper  
 165 100  
 89 0.0 54.2 81.4#  
 121 43.0 18.2 27.4#

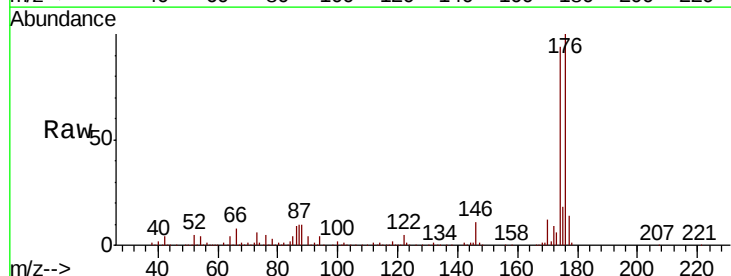


Abundance Ion 165.00 (164.70 to 165.70): E  
 2000 Ion 89.00 (88.70 to 89.70): BM0  
 Ion 121.00 (120.70 to 121.70): E

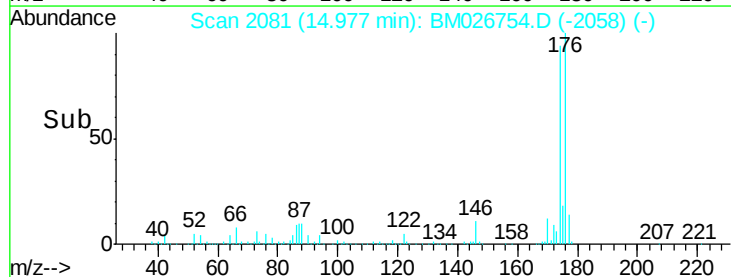
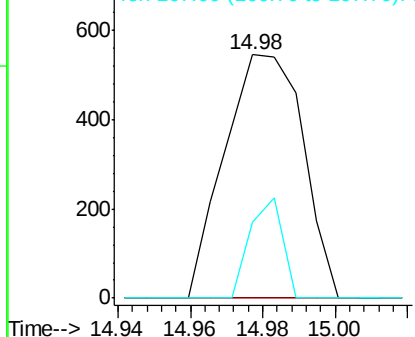


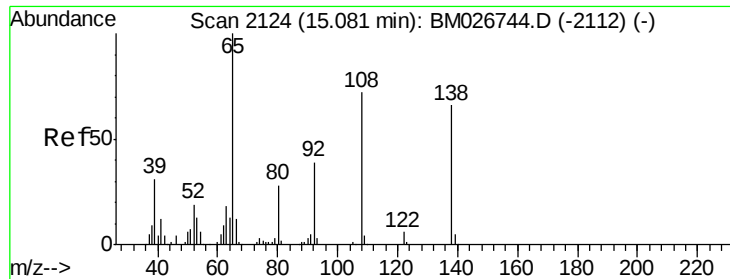
#59  
 Fluorene  
 Concen: 0.066 ng/ul  
 RT: 14.98 min Scan# 2081  
 Delta R.T. -0.06 min  
 Lab File: BM026754.D  
 Acq: 14 Jul 2020 15:57

Tgt Ion:166 Resp: 818  
 Ion Ratio Lower Upper  
 166 100  
 165 0.0 77.0 115.4#  
 167 31.4 10.7 16.1#



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

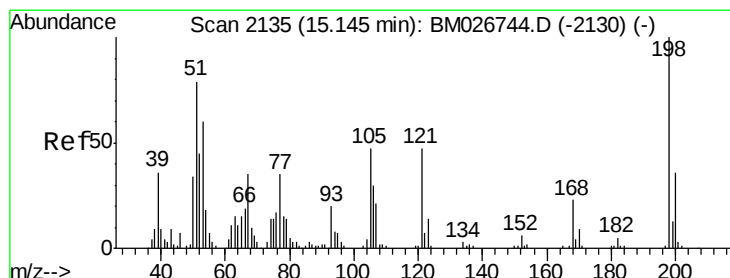
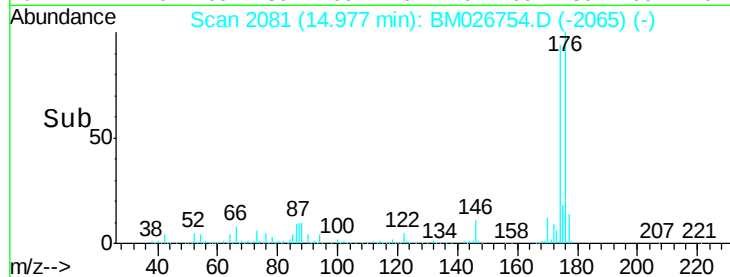
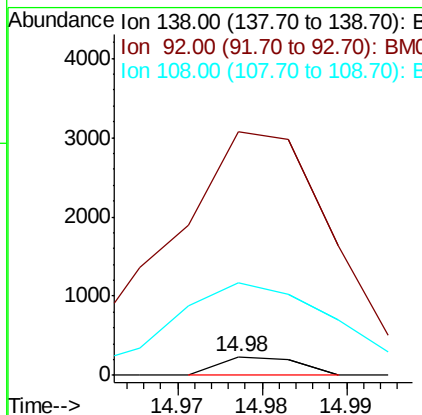
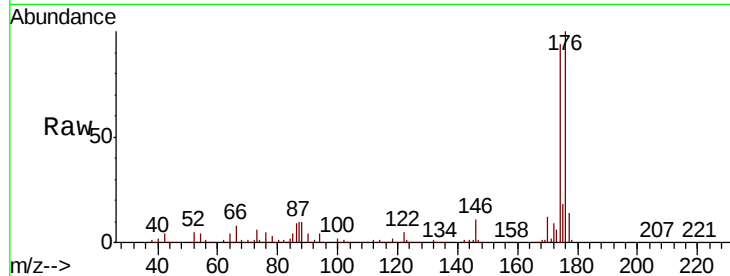




#61  
4-Nitroaniline  
Concen: 0.070 ng/ul  
RT: 14.98 min Scan# 2081  
Delta R.T. -0.10 min  
Lab File: BM026754.D  
Acq: 14 Jul 2020 15:57

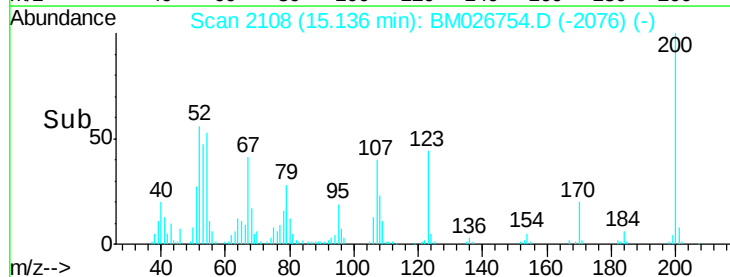
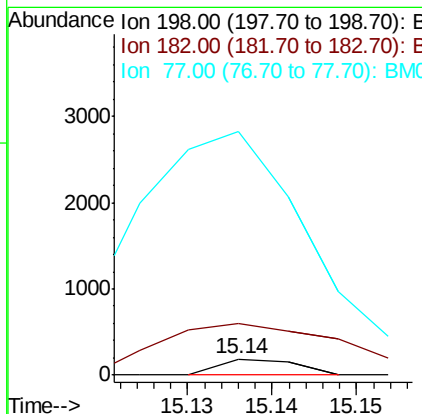
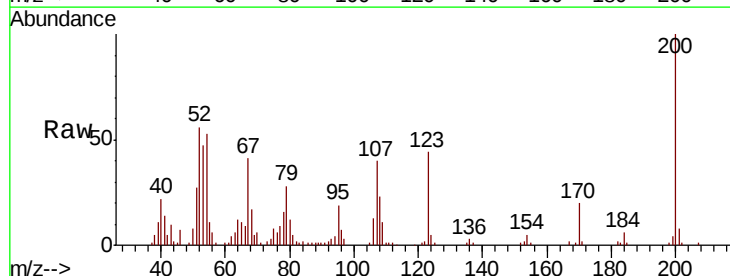
Instrument :  
BNA\_M  
ClientSampleId :  
SBLK24

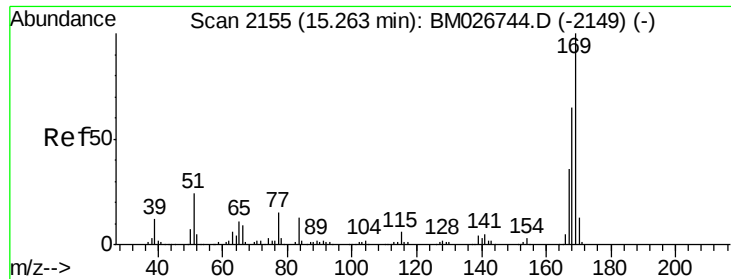
Tot Ion:138 Resp: 154  
Ion Ratio Lower Upper  
138 100  
92 1296.6 47.7 71.5#  
108 494.5 82.6 123.8#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 0.058 ng/ul  
RT: 15.14 min Scan# 2108  
Delta R.T. -0.01 min  
Lab File: BM026754.D  
Acq: 14 Jul 2020 15:57

Tgt Ion:198 Resp: 119  
Ion Ratio Lower Upper  
198 100  
182 321.0 4.0 6.0#  
77 1518.8 26.7 40.1#

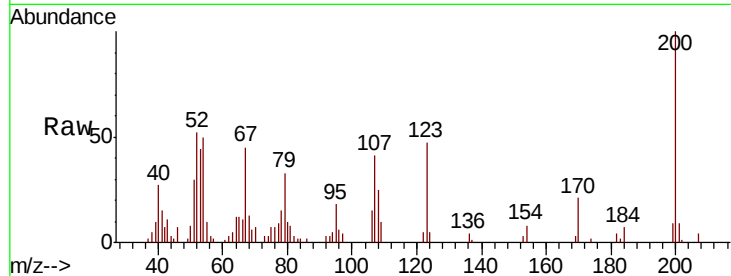




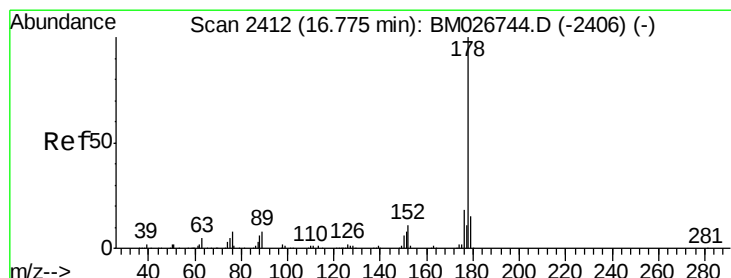
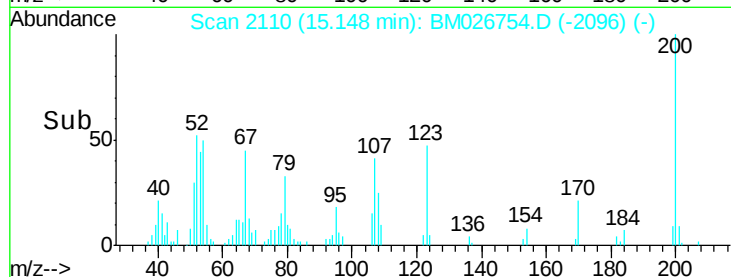
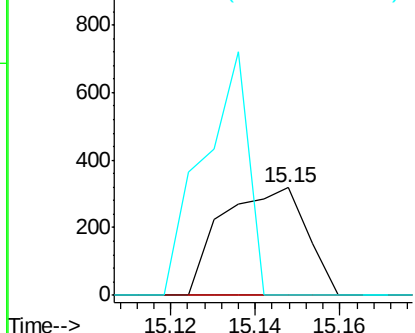
#65  
N-Nitrosodiphenylamine  
Concen: 0.043 ng/ul  
RT: 15.15 min Scan# 2110  
Delta R.T. -0.12 min  
Lab File: BM026754.D  
Acq: 14 Jul 2020 15:57

Instrument :  
BNA\_M  
ClientSampled :  
SBLK24

Tot Ion:169 Resp: 442  
Ion Ratio Lower Upper  
169 100  
168 0.0 51.7 77.5#  
167 0.0 28.4 42.6#

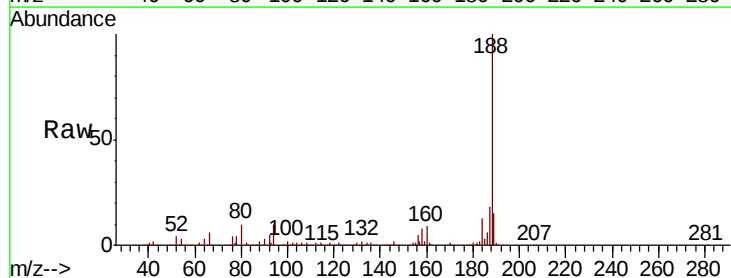


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

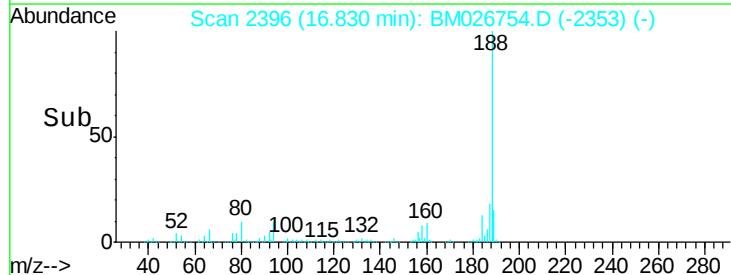
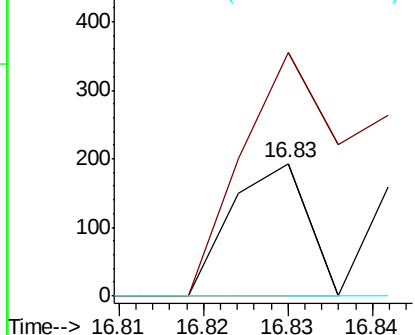


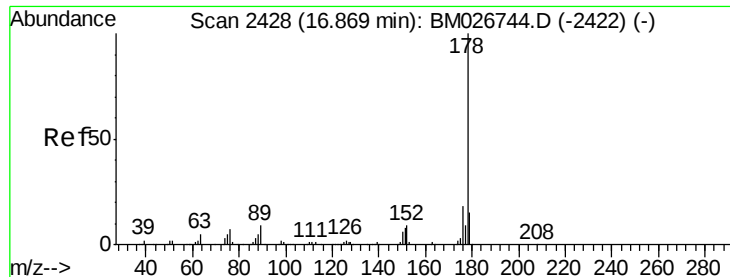
#70  
Phenanthrene  
Concen: 0.006 ng/ul  
RT: 16.83 min Scan# 2396  
Delta R.T. 0.06 min  
Lab File: BM026754.D  
Acq: 14 Jul 2020 15:57

Tgt Ion:178 Resp: 121  
Ion Ratio Lower Upper  
178 100  
179 183.9 12.4 18.6#  
176 0.0 14.3 21.5#



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: 0.003 ng/ul

RT: 16.84 min Scan# 2398

Delta R.T. -0.03 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampled :

SBLK24

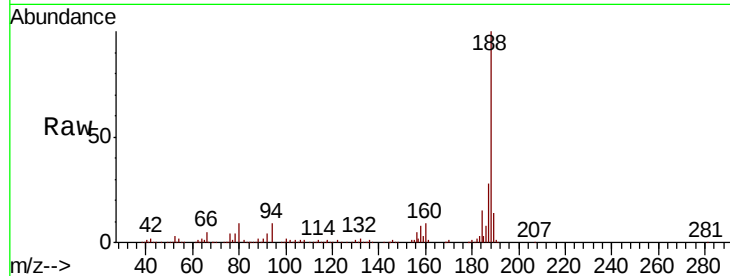
Tot Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

179 165.4 11.8 17.6#

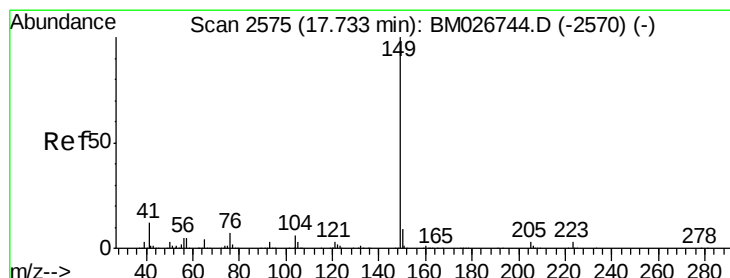
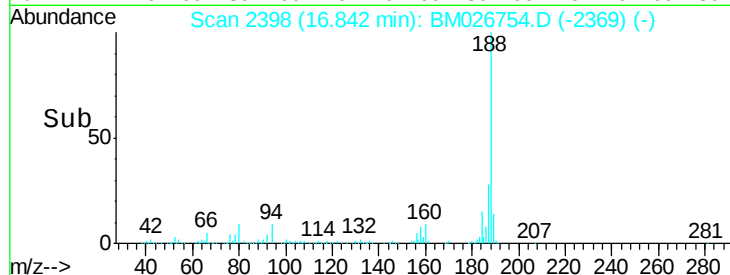
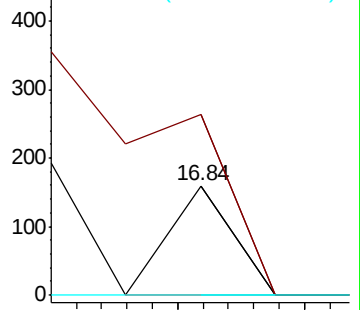
176 0.0 14.7 22.1#



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



#76

Di-n-butylphthalate

Concen: 0.014 ng/ul

RT: 17.73 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

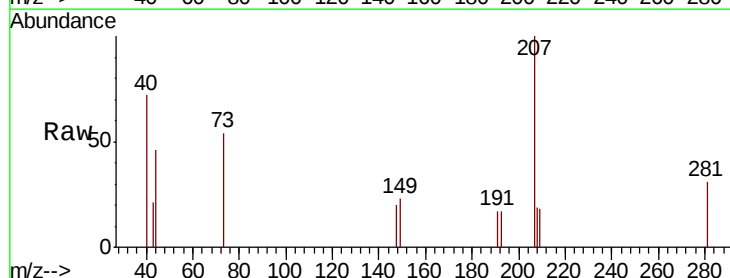
Tgt Ion:149 Resp: 268

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

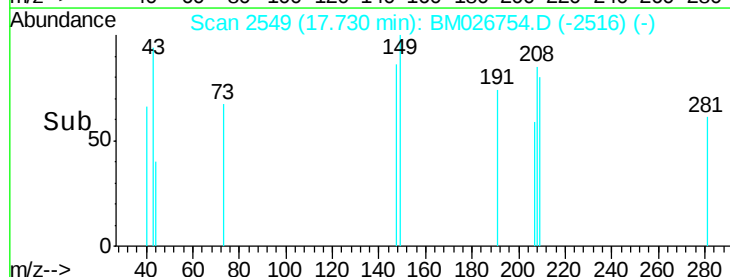
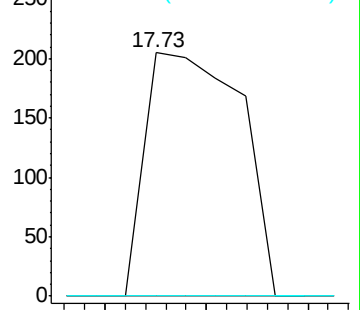
104 0.0 5.2 7.8#

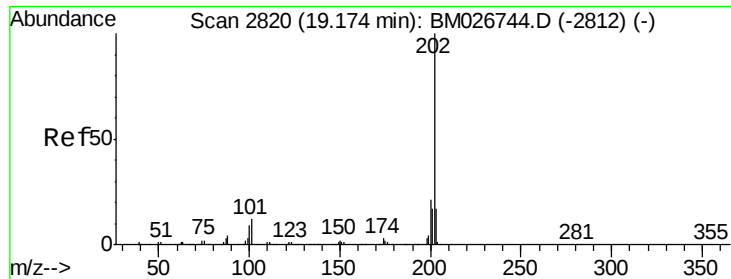


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#80

Pvrene

Concen: 0.034 ng/ul

RT: 19.15 min Scan# 2790

Delta R.T. -0.03 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampleId :

SBLK24

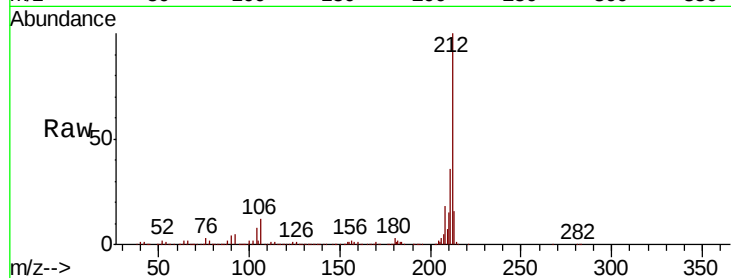
Tot Ion:202 Resp: 731

Ion Ratio Lower Upper

202 100

101 166.1 9.4 14.2#

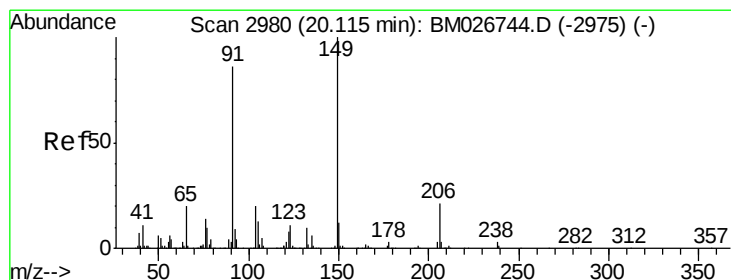
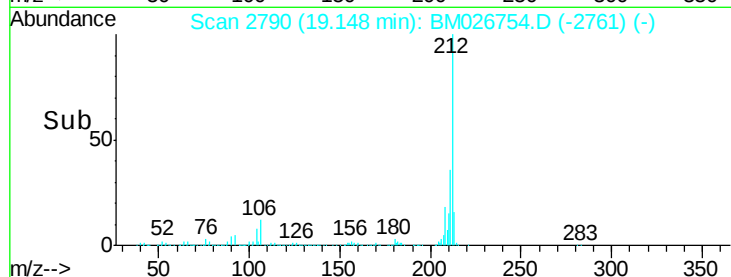
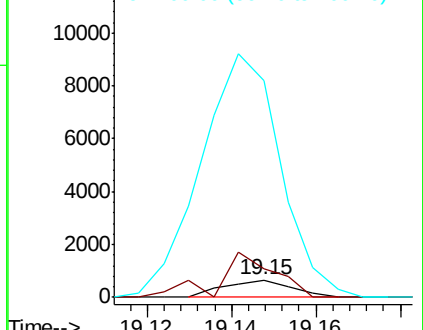
100 1257.8 8.0 12.0#



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



#81

Butylbenzylphthalate

Concen: 0.025 ng/ul

RT: 20.15 min Scan# 2960

Delta R.T. 0.03 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

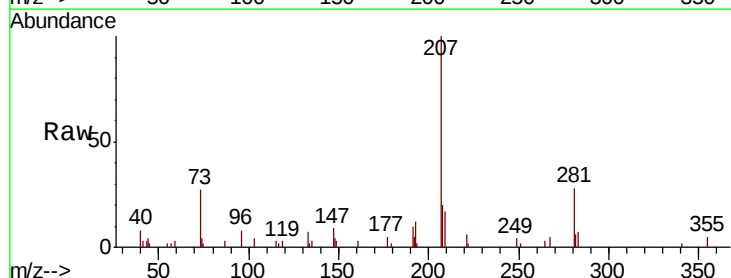
Tgt Ion:149 Resp: 190

Ion Ratio Lower Upper

149 100

91 0.0 66.4 99.6#

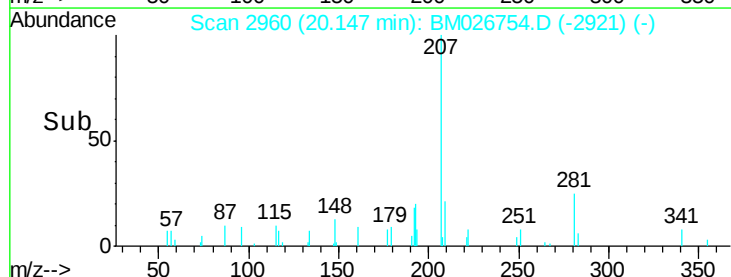
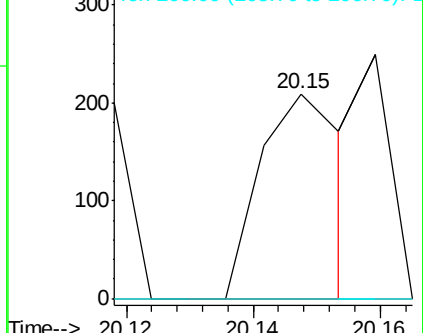
206 0.0 16.3 24.5#

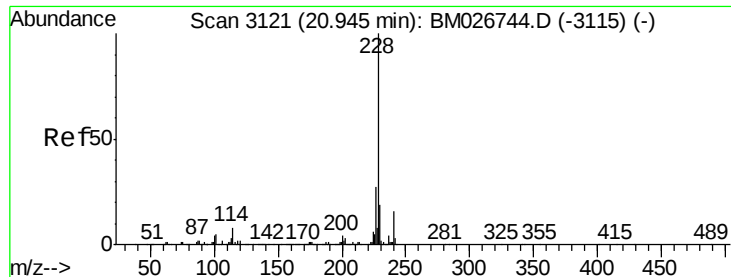


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 0.041 ng/ul

RT: 20.95 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampled :

SBLK24

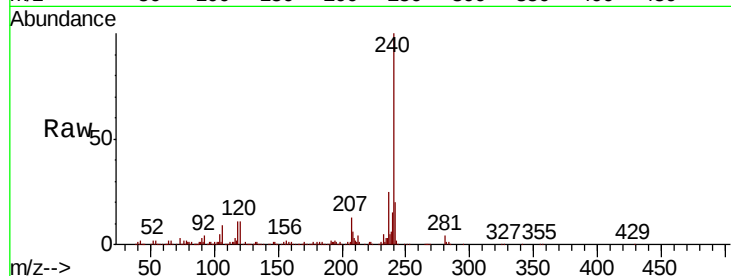
Tot Ion:228 Resp: 851

Ion Ratio Lower Upper

228 100

229 36.4 15.4 23.0#

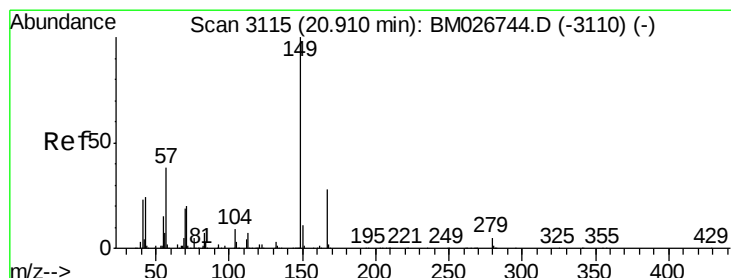
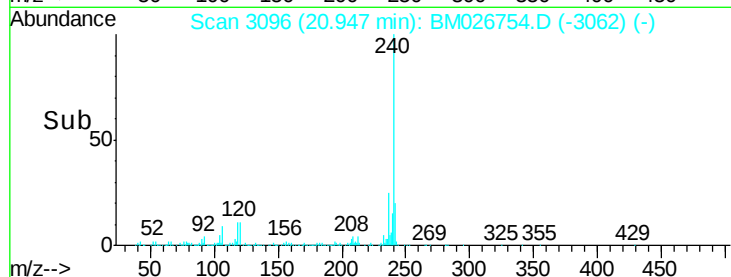
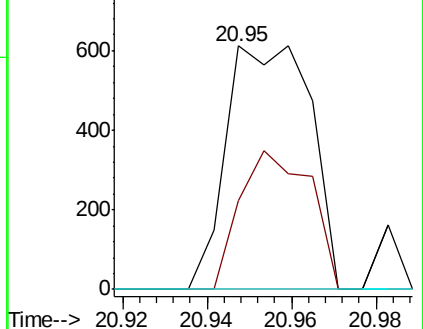
226 0.0 21.2 31.8#



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: 0.006 ng/ul

RT: 20.91 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

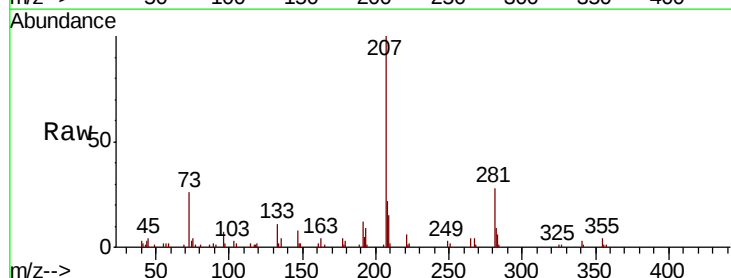
Tgt Ion:149 Resp: 64

Ion Ratio Lower Upper

149 100

167 0.0 22.1 33.1#

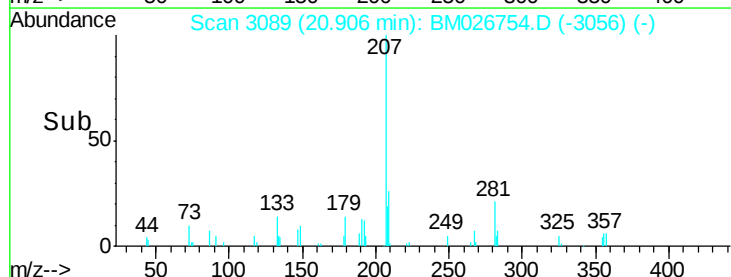
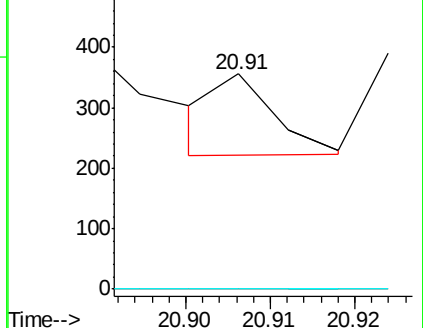
279 0.0 3.6 5.4#

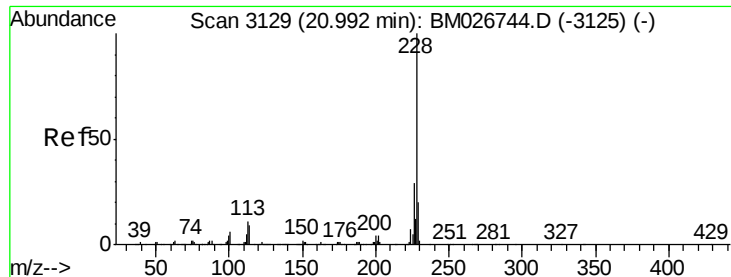


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 0.041 ng/ul

RT: 20.95 min Scan# 3096

Delta R.T. -0.04 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampleId :

SBLK24

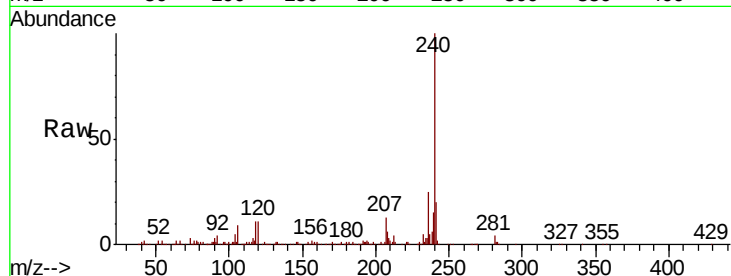
Tot Ion:228 Resp: 851

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

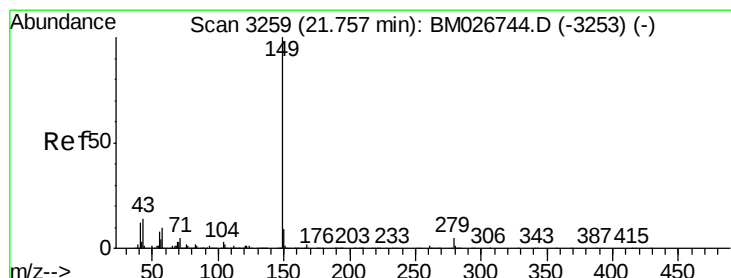
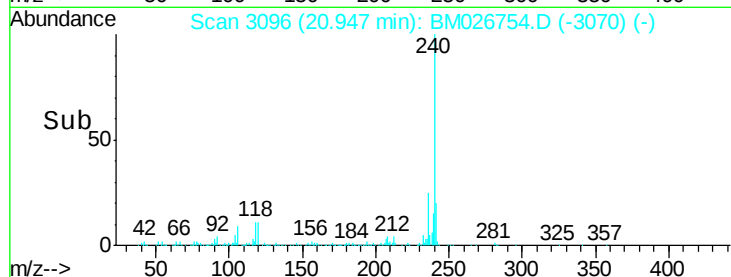
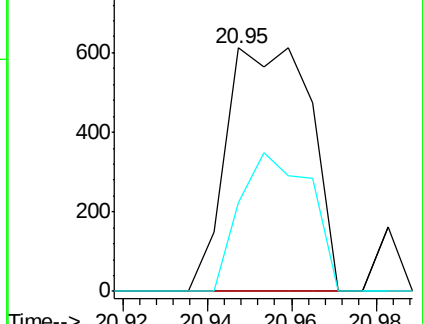
229 36.4 15.5 23.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Di-n-octyl phthalate

Concen: 0.013 ng/ul

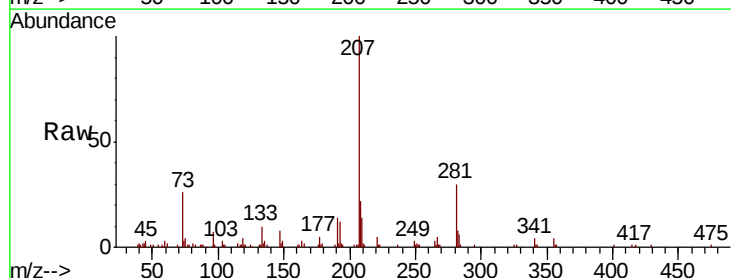
RT: 21.74 min Scan# 3231

Delta R.T. -0.02 min

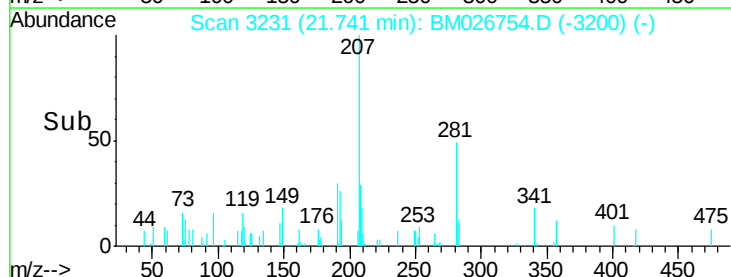
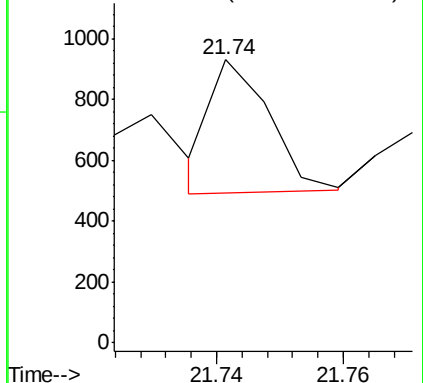
Lab File: BM026754.D

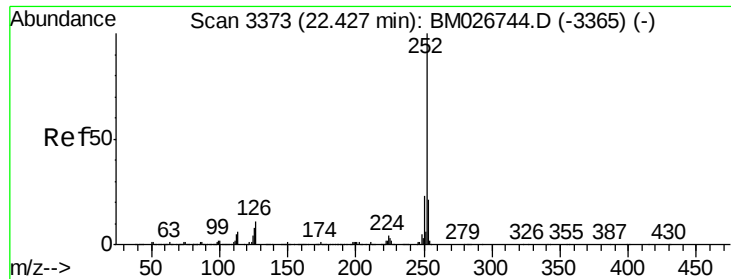
Acq: 14 Jul 2020 15:57

Tgt Ion:149 Resp: 281



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 0.010 ng/ul

RT: 22.42 min Scan# 3346

Delta R.T. -0.01 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampleId :

SBLK24

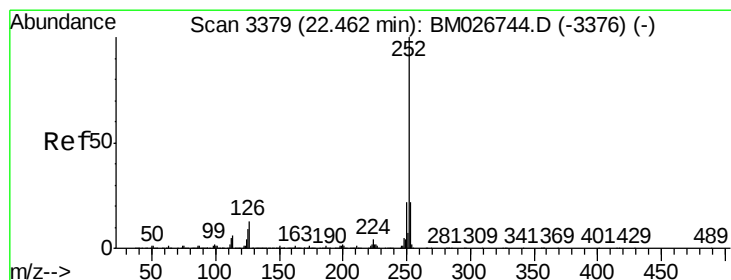
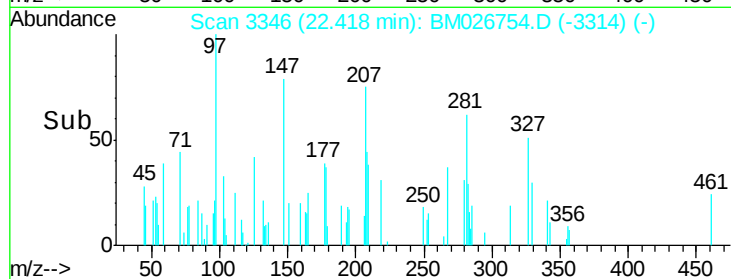
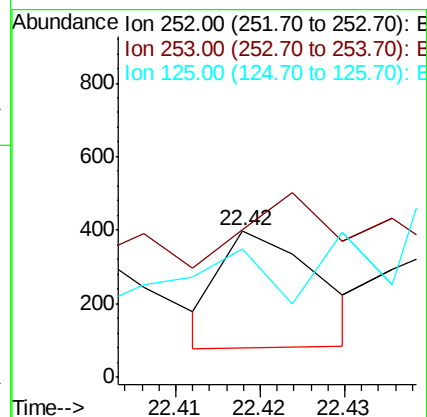
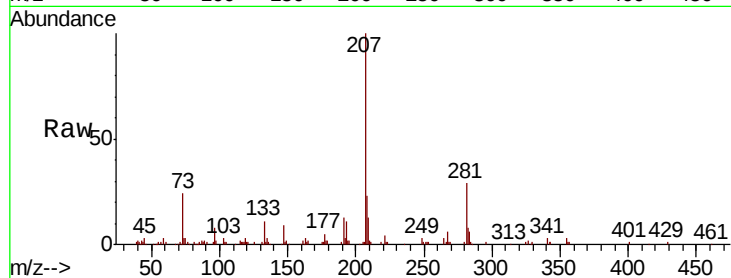
Tot Ion:252 Resp: 252

Ion Ratio Lower Upper

252 100

253 101.3 17.2 25.8#

125 87.7 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 0.017 ng/ul

RT: 22.46 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

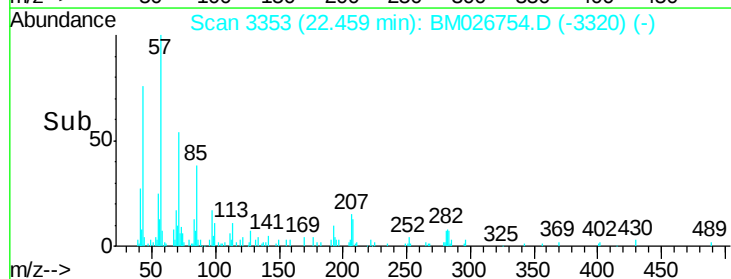
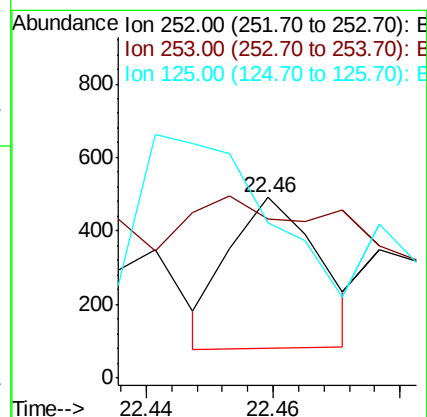
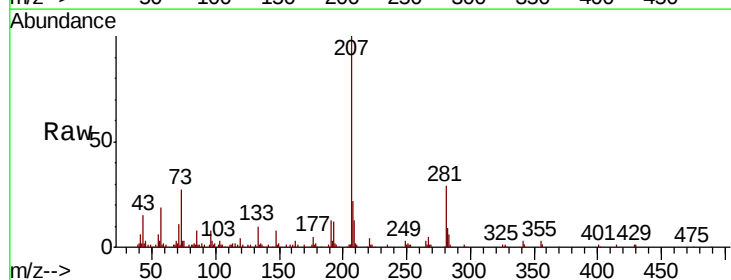
Tgt Ion:252 Resp: 405

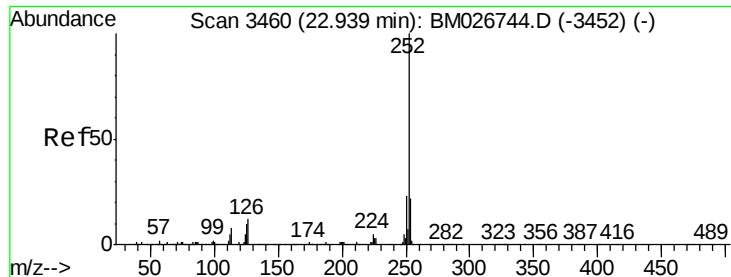
Ion Ratio Lower Upper

252 100

253 88.4 17.1 25.7#

125 86.4 7.7 11.5#





#91

Benzo(a)pyrene

Concen: 0.004 ng/ul

RT: 22.93 min Scan# 3433

Delta R.T. -0.01 min

Lab File: BM026754.D

Acq: 14 Jul 2020 15:57

Instrument :

BNA\_M

ClientSampleId :

SBLK24

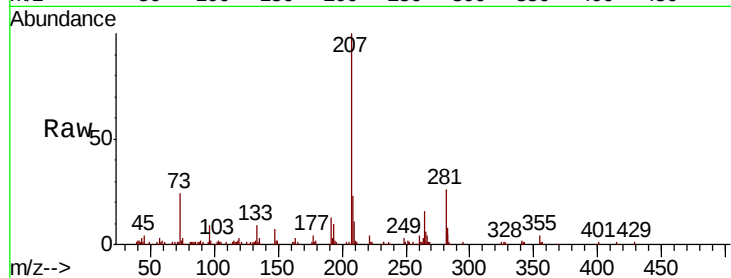
Tot Ion: 252 Resp: 95

Ion Ratio Lower Upper

252 100

253 104.9 17.4 26.0#

125 79.5 7.5 11.3#



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

