

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\  
 Data File : BM023135.D  
 Acq On : 11 Oct 2019 18:20  
 Operator : JU  
 Sample : K5124-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 11 22:48:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 15:02:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 178243   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 682695   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.41 | 164  | 371443   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.15 | 188  | 694497   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 722102   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.59 | 264  | 886862   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 16026   | 3.89  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.95  | 99  | 298215  | 18.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 170683  | 19.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 262052  | 20.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 200423  | 15.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 122188  | 23.19 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 136031  | 23.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.18 | 165 | 237147  | 20.70 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 84945   | 6.10  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.82 | 166 | 632376  | 21.94 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.10 | 160 | 758367  | 22.79 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.62 | 143 | 72597   | 12.75 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.40 | 176 | 534562  | 21.76 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 58645   | 12.98 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.24 | 188 | 766333  | 22.60 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.54 | 212 | 871325  | 22.42 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.45 | 264 | 1028105 | 22.41 | ng/ul | 0.00 |

## Target Compounds

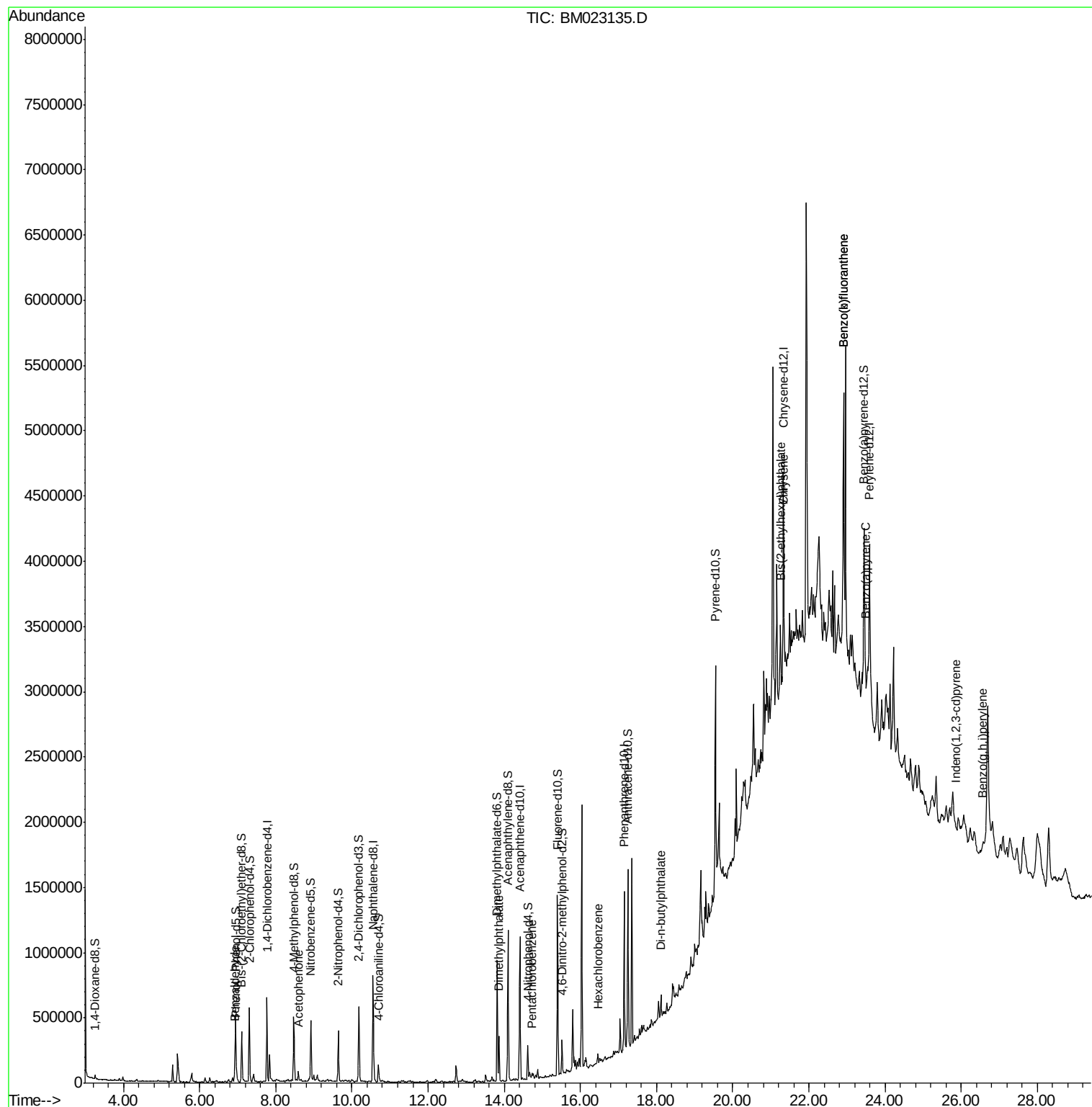
|                                |       |     |        |       | Ovalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 4) Benzaldehyde                | 6.92  | 77  | 18443  | 2.584 | ng/ul# | 73  |
| 6) Phenol                      | 6.97  | 94  | 48718  | 2.951 | ng/ul  | 97  |
| 14) Acetophenone               | 8.59  | 105 | 45824  | 2.325 | ng/ul  | 99  |
| 45) Dimethylphthalate          | 13.86 | 163 | 226276 | 7.641 | ng/ul  | 100 |
| 67) Hexachlorobenzene          | 16.46 | 284 | 11497  | 1.231 | ng/ul  | 96  |
| 74) Pentachlorobenzene         | 14.73 | 250 | 11299  | 1.044 | ng/uL  | 99  |
| 76) Di-n-butylphthalate        | 18.12 | 149 | 94457  | 2.134 | ng/ul# | 94  |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 148021 | 4.949 | ng/ul# | 99  |
| 85) Chrysene                   | 21.35 | 228 | 81458  | 1.704 | ng/ul# | 82  |
| 88) Benzo(b)fluoranthene       | 22.91 | 252 | 221662 | 3.766 | ng/ul# | 61  |
| 89) Benzo(k)fluoranthene       | 22.91 | 252 | 221662 | 3.937 | ng/ul# | 60  |
| 91) Benzo(a)pyrene             | 23.49 | 252 | 85833  | 1.555 | ng/ul# | 46  |
| 92) Indeno(1,2,3-cd)pyrene     | 25.87 | 276 | 70795  | 1.207 | ng/ul# | 89  |
| 94) Benzo(g,h,i)perylene       | 26.57 | 276 | 83447  | 1.764 | ng/ul# | 84  |

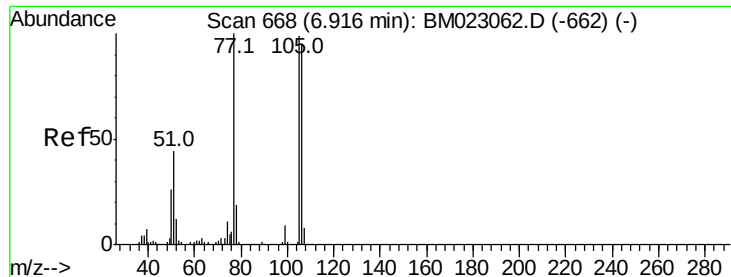
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 22:48:50 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 08 15:02:34 2019  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.584 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

Instrument :

BNA\_M

ClientSampled :

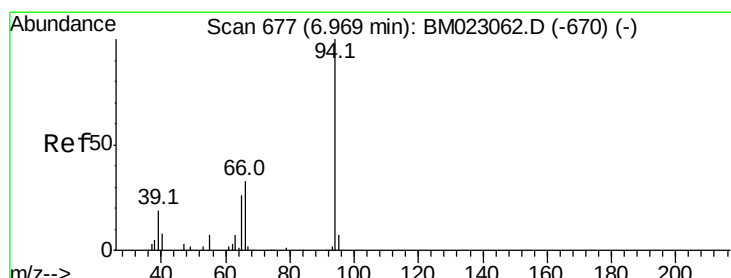
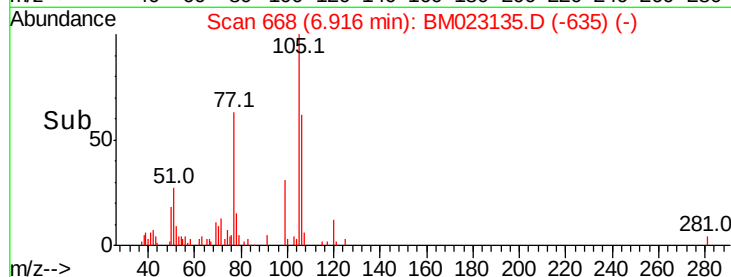
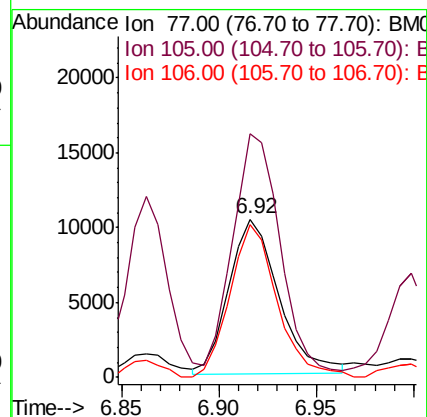
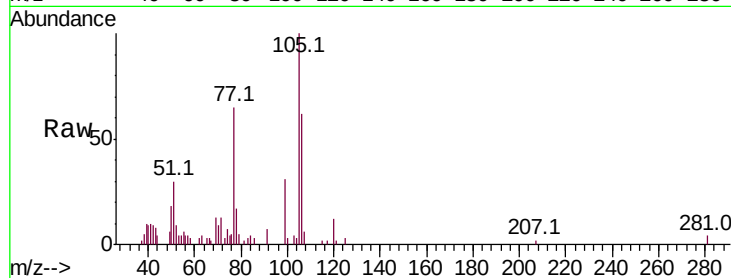
Tot Ion: 77 Resp: 18443

Ion Ratio Lower Upper

77 100

105 154.0 80.6 120.8#

106 96.2 77.0 115.6



#6

Phenol

Concen: 2.951 ng/ul

RT: 6.97 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

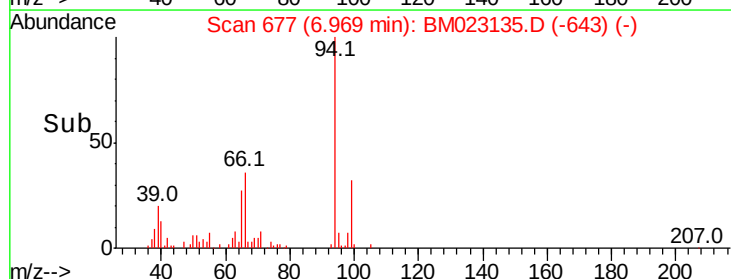
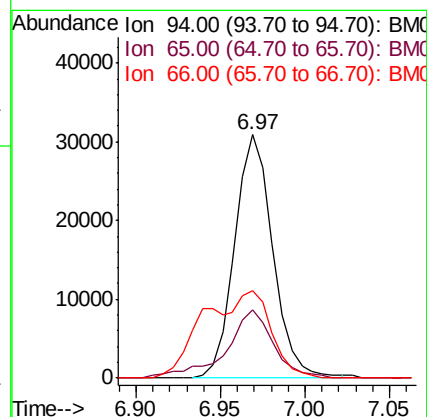
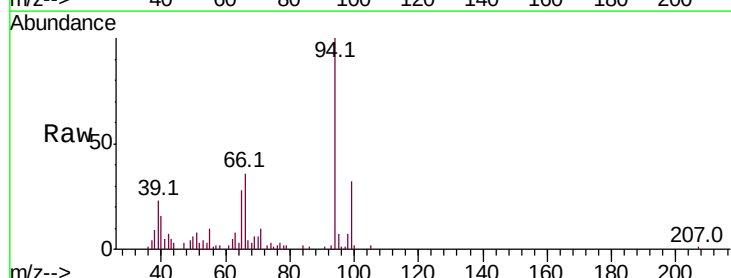
Tgt Ion: 94 Resp: 48718

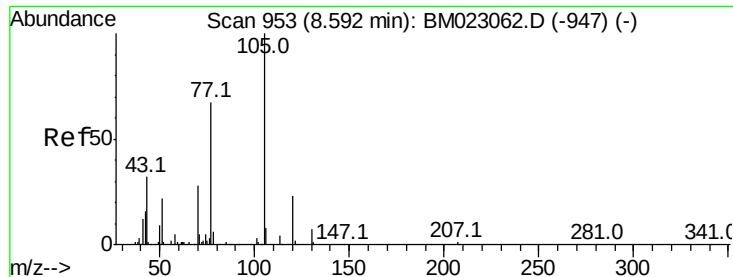
Ion Ratio Lower Upper

94 100

65 27.9 20.9 31.3

66 35.9 27.2 40.8





#14

Acetophenone

Concen: 2.325 ng/ul

RT: 8.59 min Scan# 953

Delta R.T. -0.01 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

Instrument :

BNA\_M

ClientSampleId :

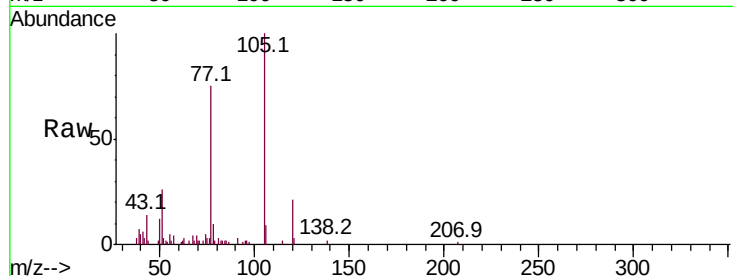
Tot Ion:105 Resp: 45824

Ion Ratio Lower Upper

105 100

77 74.9 59.4 89.0

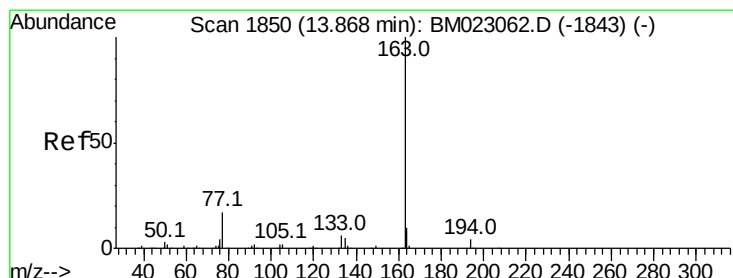
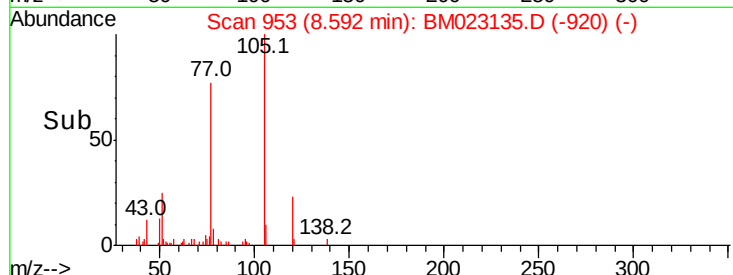
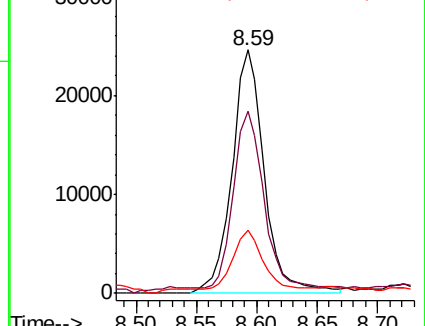
51 25.7 19.4 29.0



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#45

Dimethylphthalate

Concen: 7.641 ng/ul

RT: 13.86 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

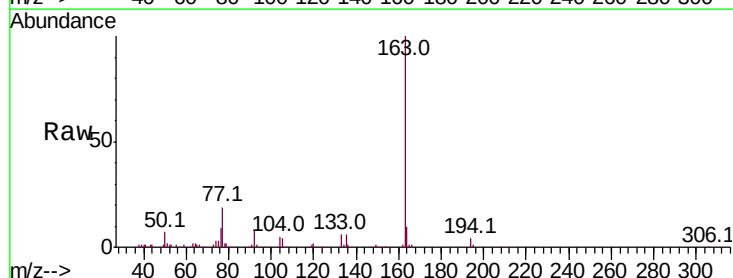
Tgt Ion:163 Resp: 226276

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

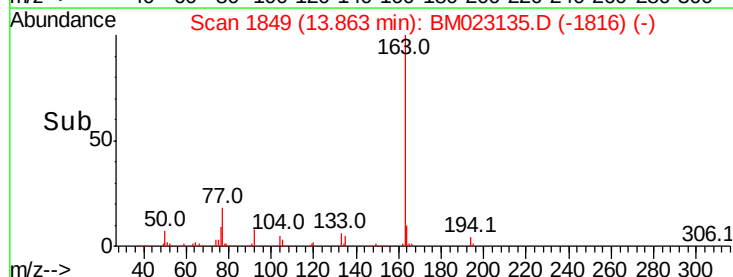
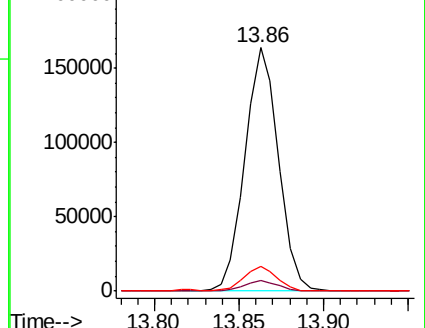
164 10.0 8.1 12.1

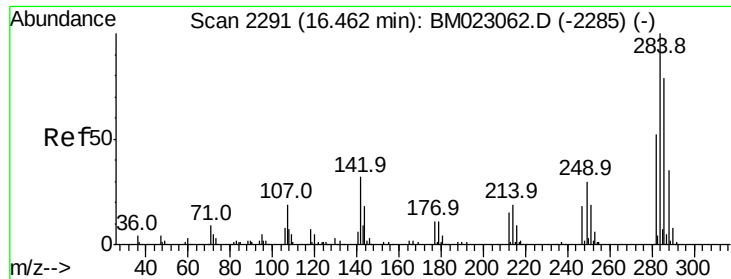


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#67

Hexachlorobenzene

Concen: 1.231 ng/ul

RT: 16.46 min Scan# 2291

Delta R.T. -0.00 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

Instrument :

BNA\_M

ClientSampled :

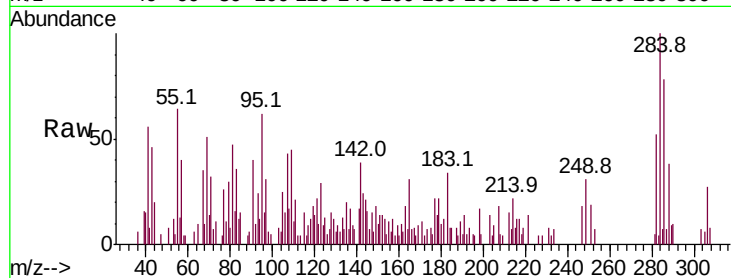
Tot Ion:284 Resp: 11497

Ion Ratio Lower Upper

284 100

142 38.5 27.8 41.6

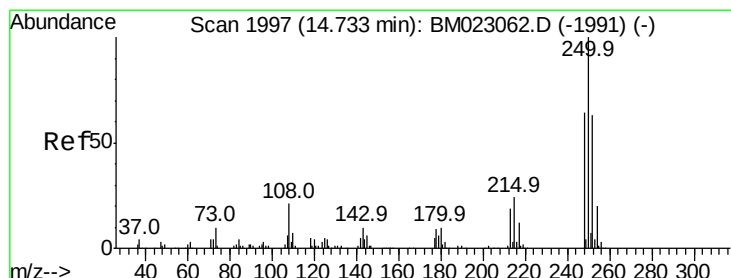
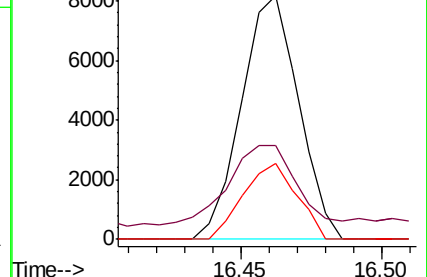
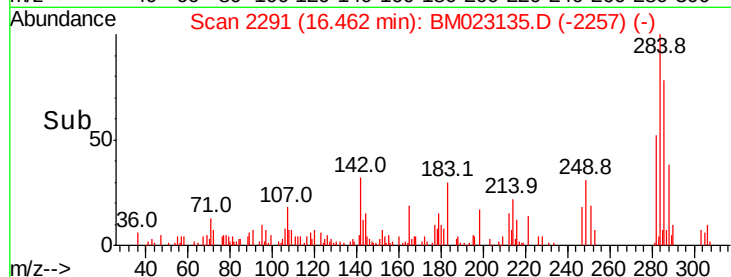
249 31.0 24.2 36.2



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#74

Pentachlorobenzene

Concen: 1.044 ng/uL

RT: 14.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

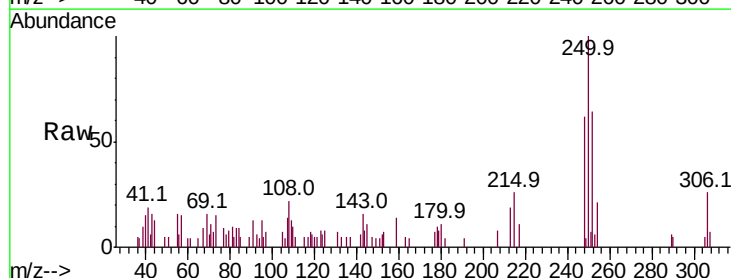
Tgt Ion:250 Resp: 11299

Ion Ratio Lower Upper

250 100

248 62.4 50.6 76.0

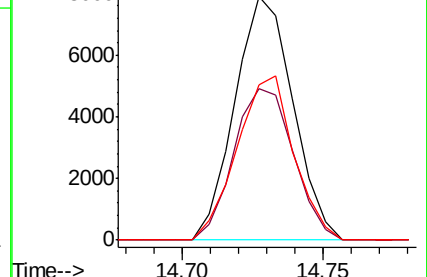
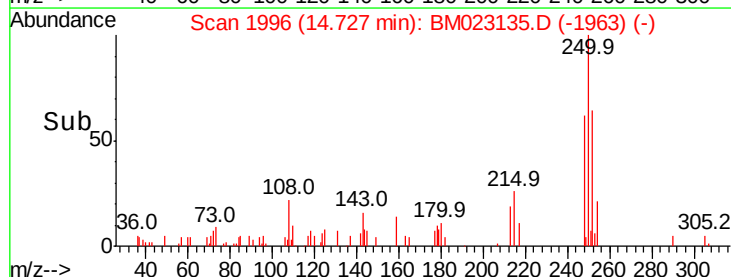
252 63.6 51.0 76.4

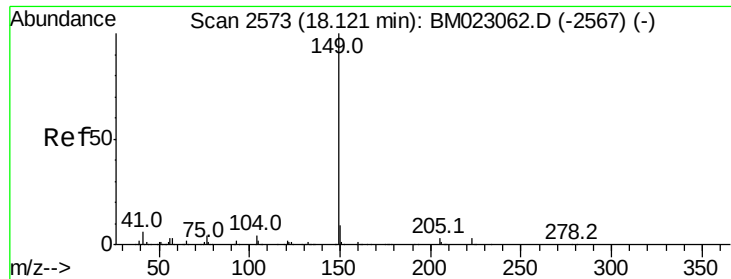


Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

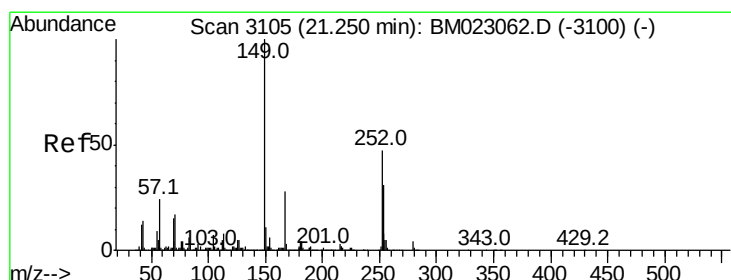
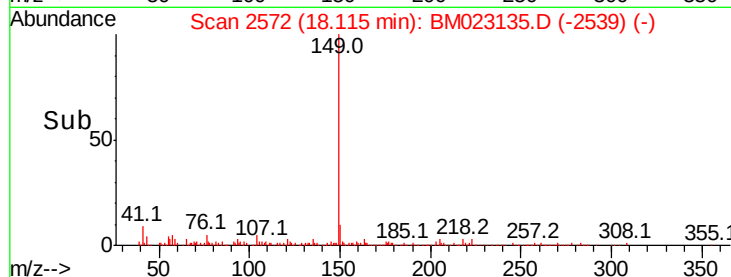
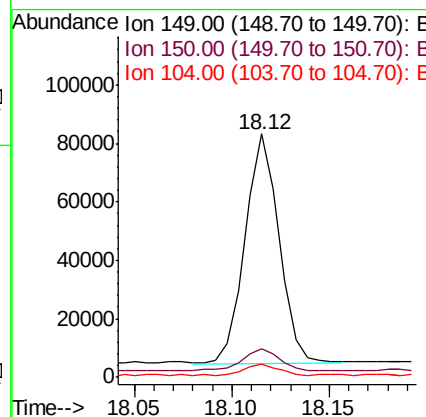
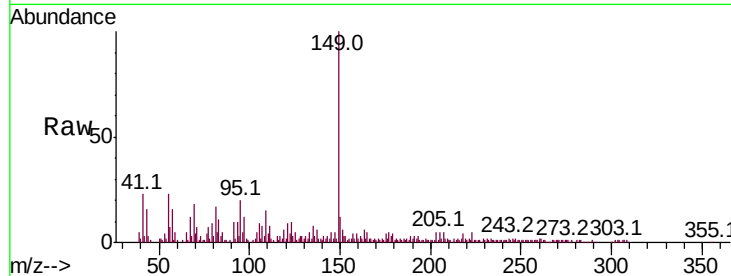




#76  
Di-n-butylphthalate  
Concen: 2.134 ng/ul  
RT: 18.12 min Scan# 2572  
Delta R.T. -0.01 min  
Lab File: BM023135.D  
Acq: 11 Oct 2019 18:20

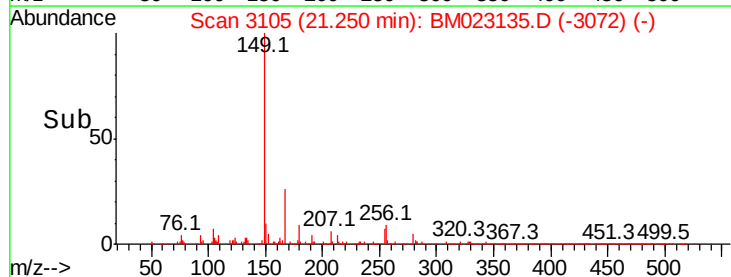
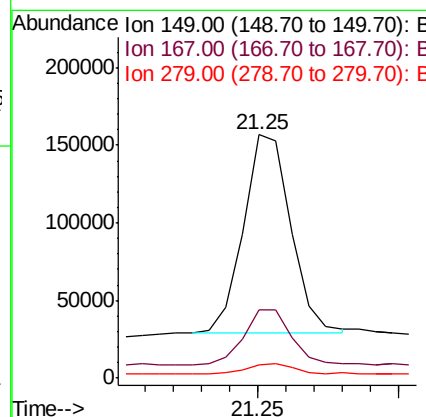
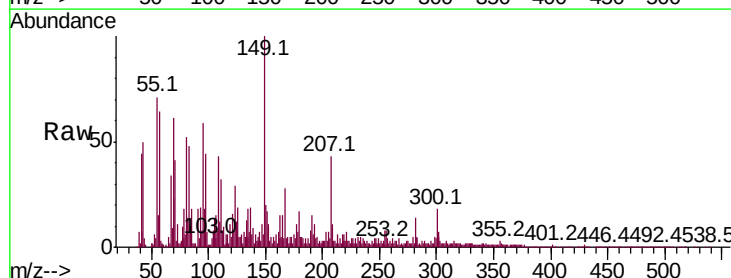
Instrument :  
BNA\_M  
ClientSampled :

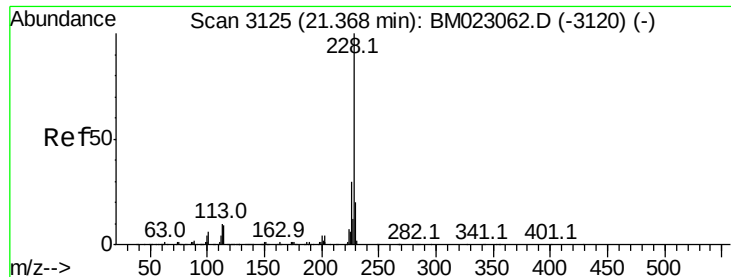
Tot Ion:149 Resp: 94457  
Ion Ratio Lower Upper  
149 100  
150 11.8 7.4 11.0#  
104 5.5 3.7 5.5



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.949 ng/ul  
RT: 21.25 min Scan# 3105  
Delta R.T. -0.01 min  
Lab File: BM023135.D  
Acq: 11 Oct 2019 18:20

Tgt Ion:149 Resp: 148021  
Ion Ratio Lower Upper  
149 100  
167 28.1 22.1 33.1  
279 5.5 3.3 4.9#





#85

Chrysene

Concen: 1.704 ng/ul

RT: 21.35 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

Instrument :

BNA\_M

ClientSampleId :

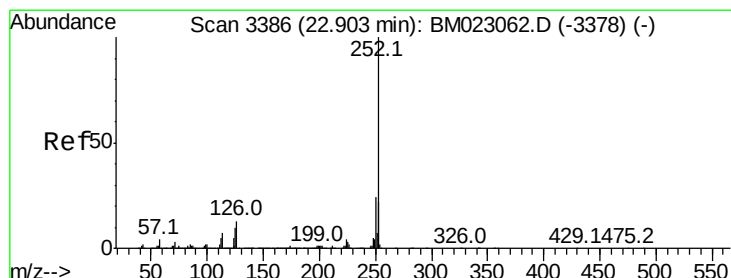
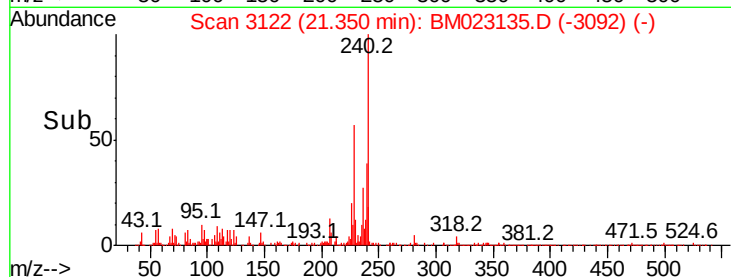
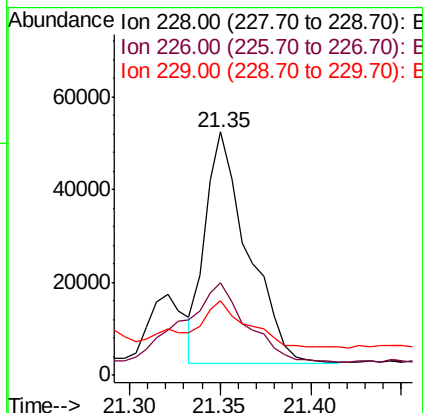
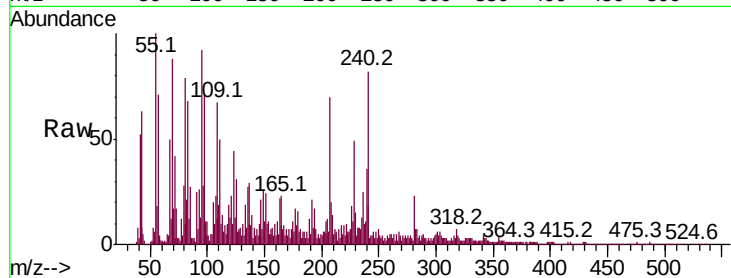
Tot Ion:228 Resp: 81458

Ion Ratio Lower Upper

228 100

226 38.0 24.2 36.4#

229 30.7 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 3.766 ng/ul

RT: 22.91 min Scan# 3388

Delta R.T. 0.01 min

Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

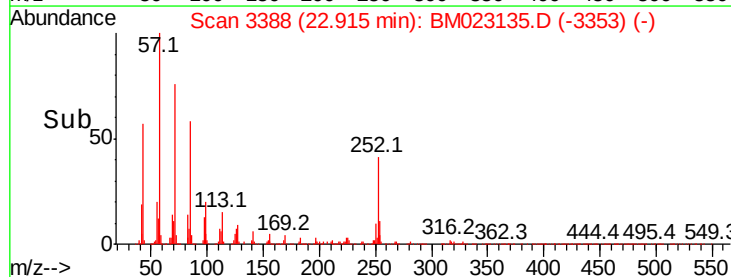
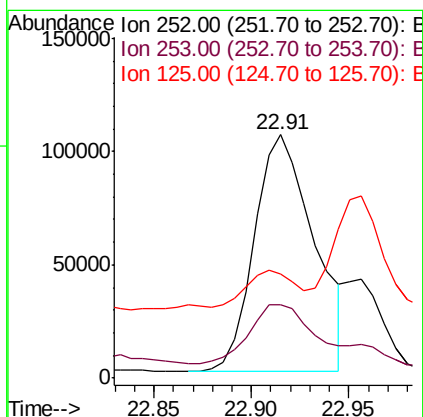
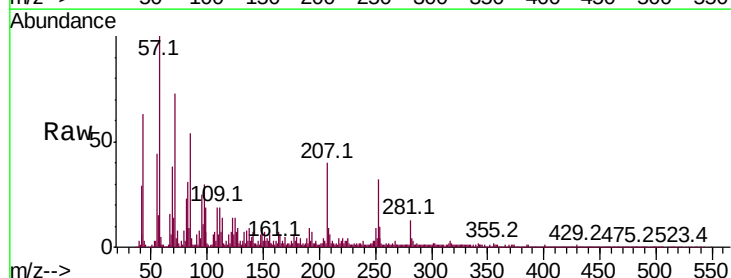
Tgt Ion:252 Resp: 221662

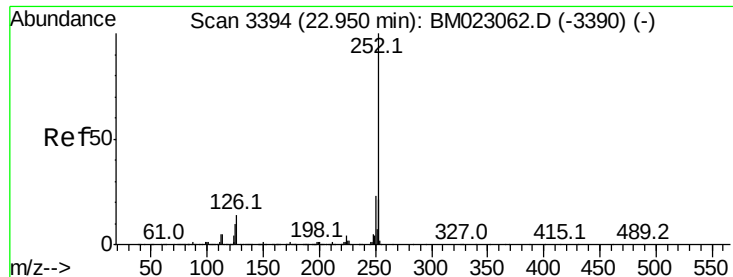
Ion Ratio Lower Upper

252 100

253 30.2 17.7 26.5#

125 42.8 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 3.937 ng/ul

RT: 22.91 min Scan# 3388

Delta R.T. -0.04 min

Lab File: BM023135.D

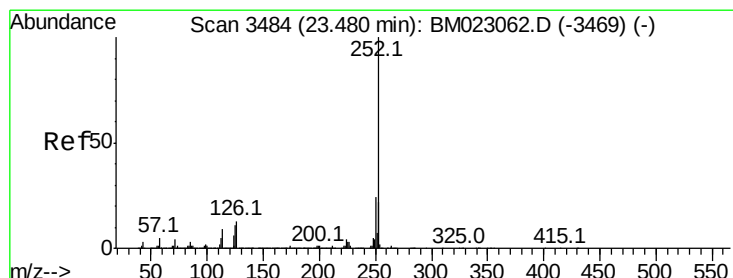
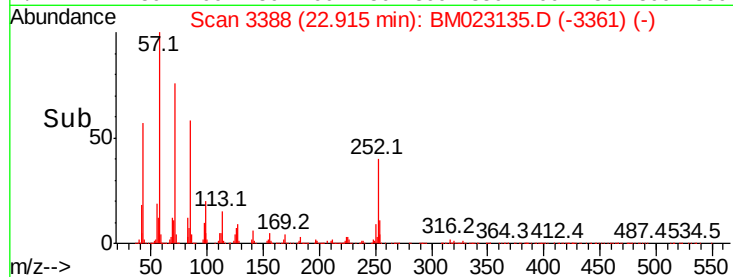
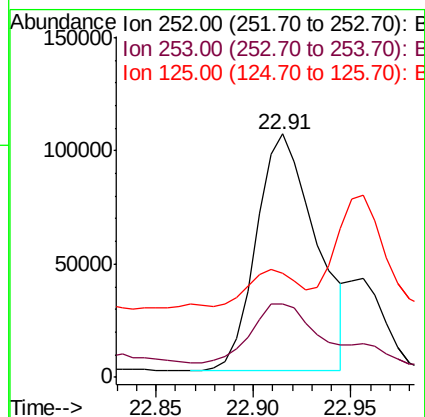
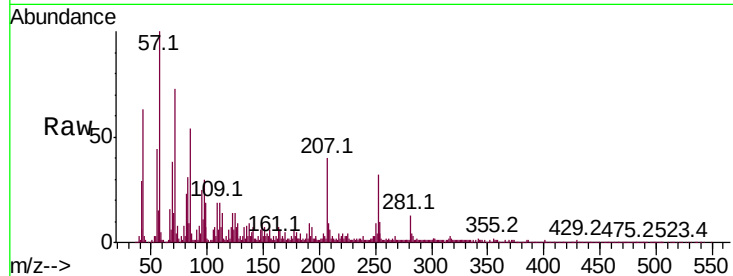
Acq: 11 Oct 2019 18:20

Instrument :

BNA\_M

ClientSampled :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:252 | Resp: | 221662     |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 30.2  | 17.5 26.3# |
| 125         | 42.8  | 7.9 11.9#  |



#91

Benzo(a)pyrene

Concen: 1.555 ng/ul

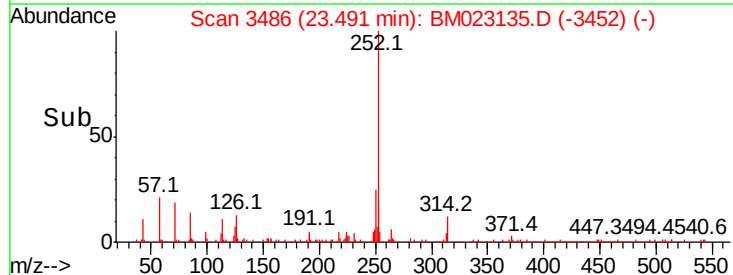
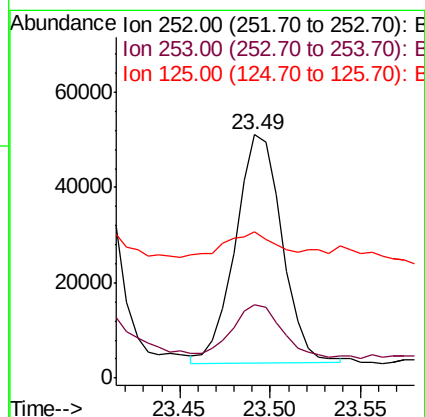
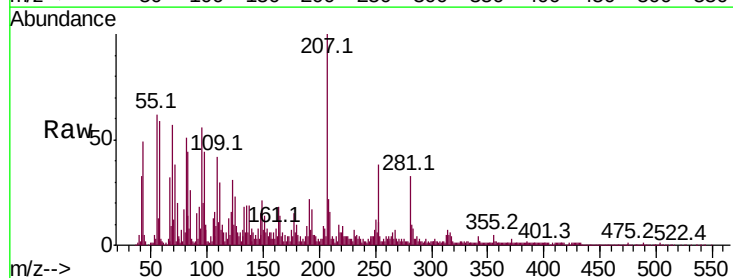
RT: 23.49 min Scan# 3486

Delta R.T. -0.00 min

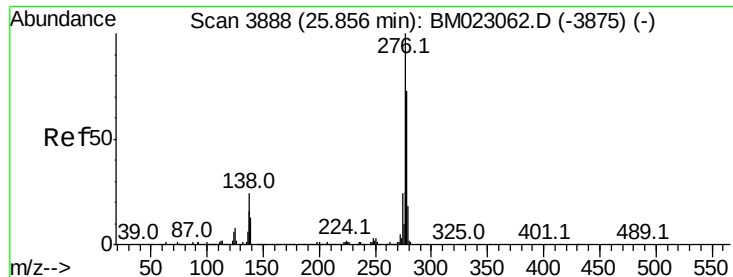
Lab File: BM023135.D

Acq: 11 Oct 2019 18:20

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 85833      |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 30.1  | 17.6 26.4# |
| 125         | 60.1  | 8.7 13.1#  |





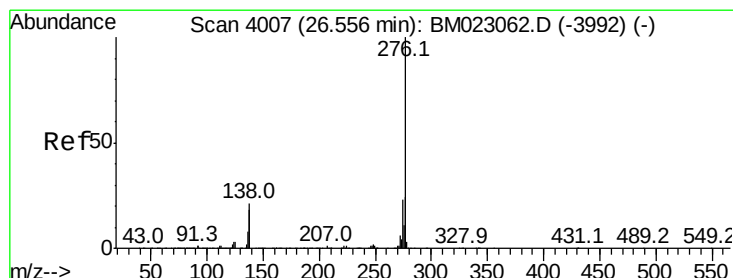
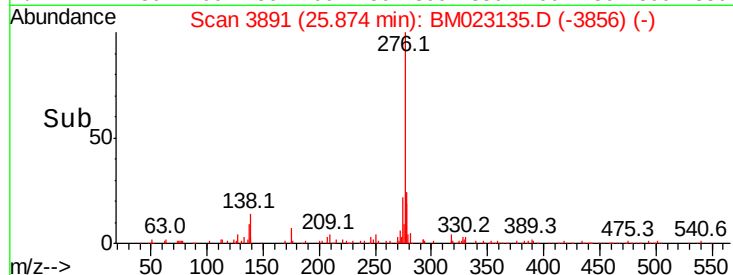
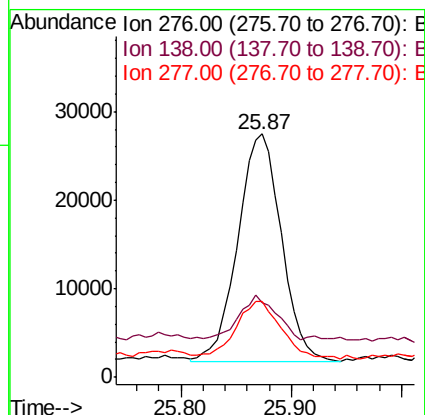
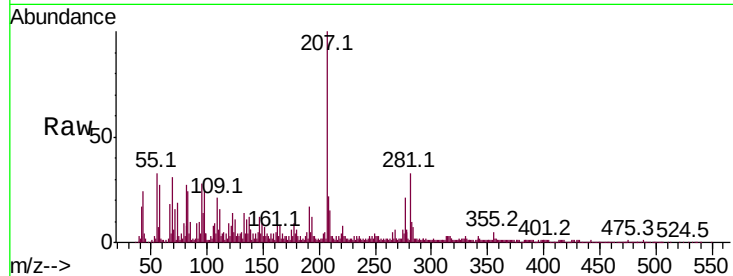


#92

Indeno(1,2,3-cd)pyrene  
Concen: 1.207 ng/ul  
RT: 25.87 min Scan# 3891  
Delta R.T. 0.01 min  
Lab File: BM023135.D  
Acq: 11 Oct 2019 18:20

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.8  | 19.8  | 29.8# |
| 277     | 31.0  | 20.3  | 30.5# |



#94

Benzo(g,h,i)perylene  
Concen: 1.764 ng/ul  
RT: 26.57 min Scan# 4009  
Delta R.T. -0.00 min  
Lab File: BM023135.D  
Acq: 11 Oct 2019 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.0  | 17.6  | 26.4# |
| 277     | 30.4  | 19.1  | 28.7# |

