

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\  
 Data File : BM020776.D  
 Acq On : 06 Jun 2019 22:49  
 Operator : HP/JU  
 Sample : K3201-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB3

Quant Time: Jun 16 01:11:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 07 05:12:28 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 281264   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 1156827  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.45 | 164  | 664381   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 1474835  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.37 | 240  | 1345374  | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.65 | 264  | 1531444  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 34645   | 5.87  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.97  | 99  | 641449  | 29.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 402021  | 31.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.34  | 132 | 540834  | 31.55 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.51  | 113 | 521834  | 30.14 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 263142  | 33.33 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.69  | 143 | 275375  | 33.88 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 530094  | 31.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.74 | 131 | 638510  | 31.28 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.86 | 166 | 1689210 | 34.37 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.14 | 160 | 2028928 | 32.56 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.64 | 143 | 236860  | 28.09 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.45 | 176 | 1403961 | 33.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 180214  | 23.90 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.29 | 188 | 2138813 | 33.20 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.59 | 212 | 2224264 | 34.20 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.51 | 264 | 2263039 | 32.51 | ng/ul | 0.00 |

## Target Compounds

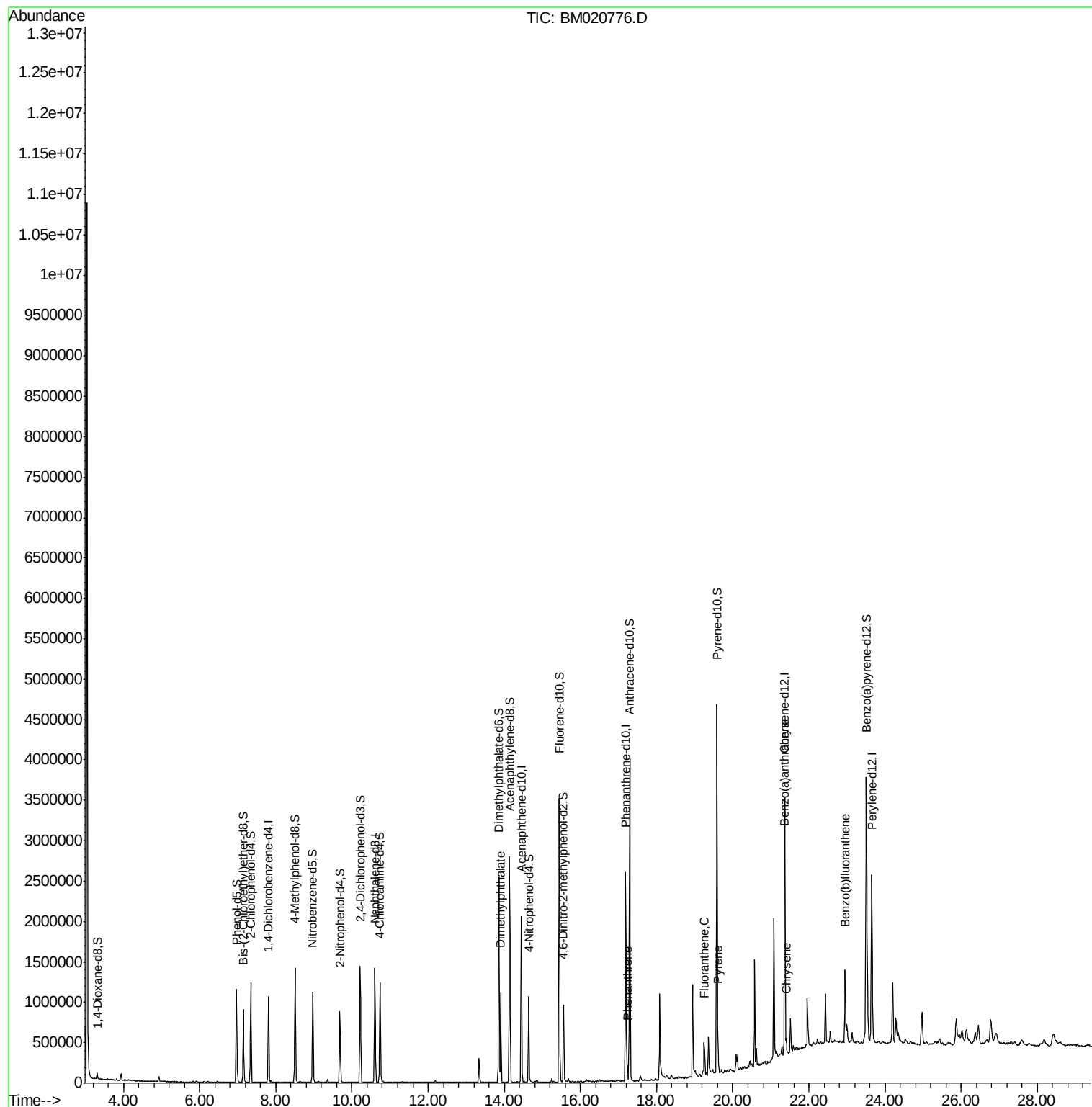
|                          |       |     |        |        | Ovalue    |
|--------------------------|-------|-----|--------|--------|-----------|
| 44) Dimethylphthalate    | 13.90 | 163 | 683859 | 13.897 | ng/ul 98  |
| 69) Phenanthrene         | 17.24 | 178 | 114484 | 1.542  | ng/ul 97  |
| 76) Fluoranthene         | 19.25 | 202 | 199375 | 2.344  | ng/ul 98  |
| 79) Pyrene               | 19.61 | 202 | 176518 | 2.126  | ng/ul 99  |
| 82) Benzo(a)anthracene   | 21.36 | 228 | 98295  | 1.171  | ng/ul 97  |
| 84) Chrysene             | 21.40 | 228 | 99596  | 1.279  | ng/ul 98  |
| 87) Benzo(b)fluoranthene | 22.96 | 252 | 144080 | 1.617  | ng/ul# 91 |

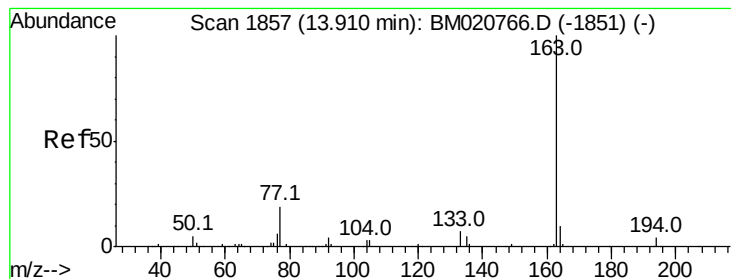
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 07 05:12:28 2019  
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 13.897 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

Instrument :

BNA\_M

ClientSampleId :

C0AB3

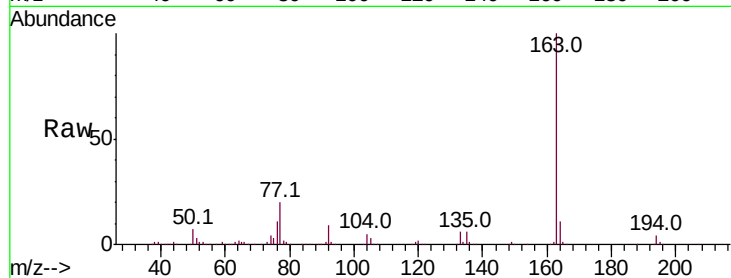
Tot Ion:163 Resp: 683859

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

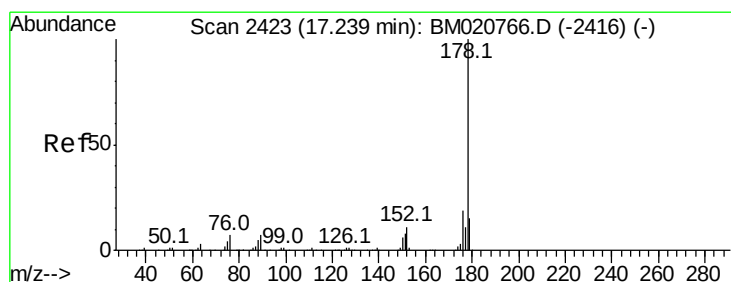
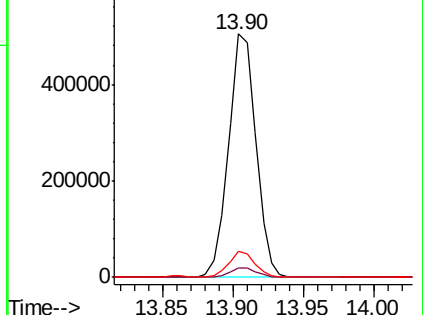
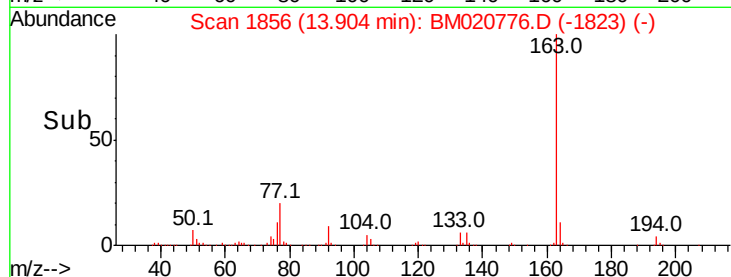
164 10.9 8.0 12.0



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



#69

Phenanthrene

Concen: 1.542 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

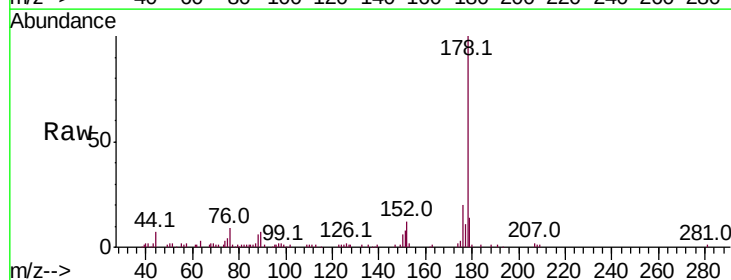
Tgt Ion:178 Resp: 114484

Ion Ratio Lower Upper

178 100

179 13.8 12.3 18.5

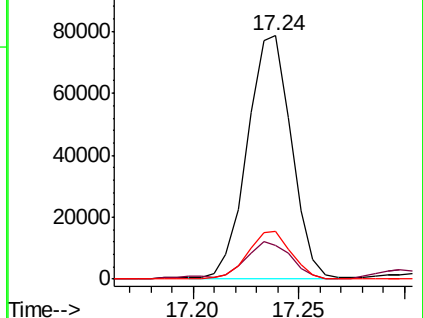
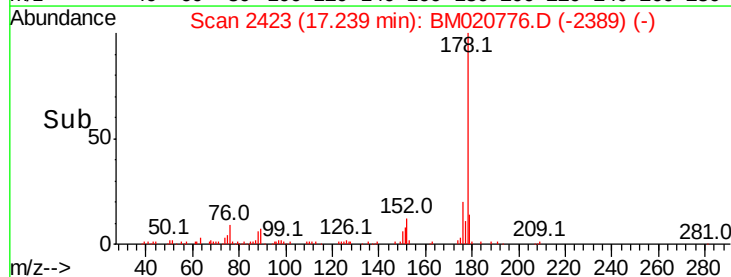
176 19.6 14.8 22.2

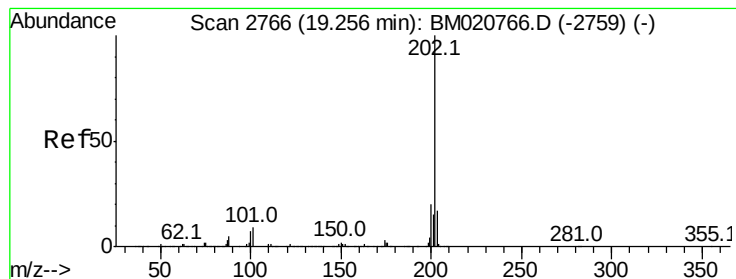


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 2.344 ng/ul

RT: 19.25 min Scan# 2765

Delta R.T. -0.01 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

Instrument :

BNA\_M

ClientSampleId :

C0AB3

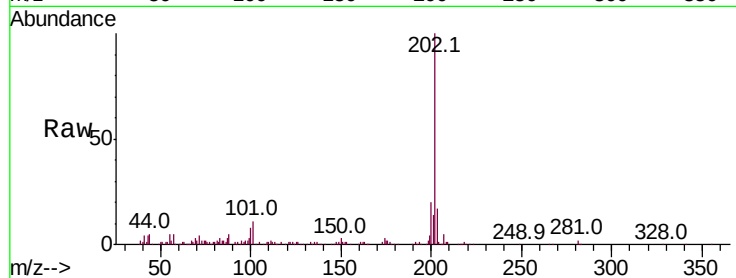
Tot Ion:202 Resp: 199375

Ion Ratio Lower Upper

202 100

101 10.5 7.9 11.9

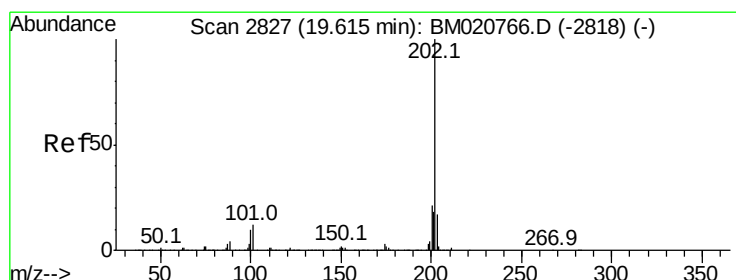
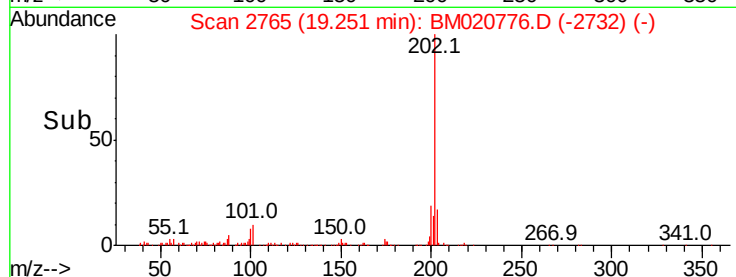
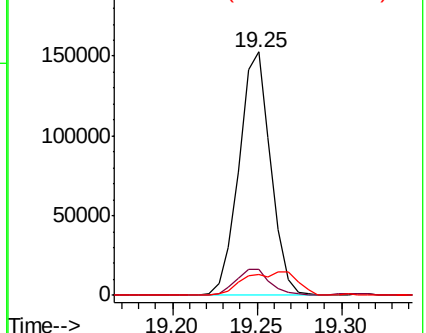
100 8.4 6.2 9.4



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



#79

Pyrene

Concen: 2.126 ng/ul

RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

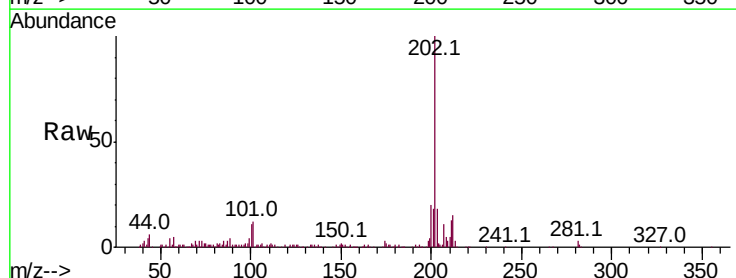
Tgt Ion:202 Resp: 176518

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.6

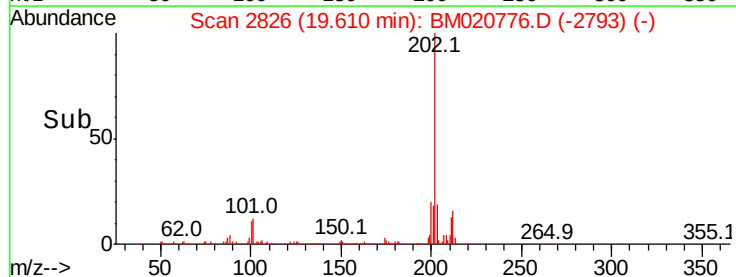
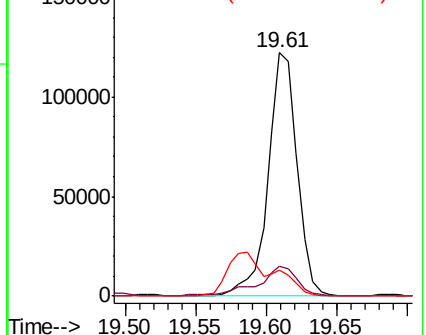
100 10.8 8.0 12.0

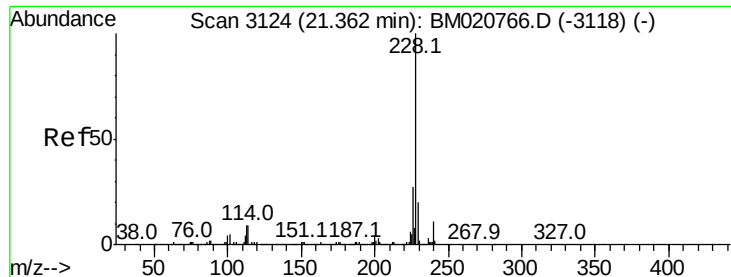


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.171 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

Instrument :

BNA\_M

ClientSampleId :

C0AB3

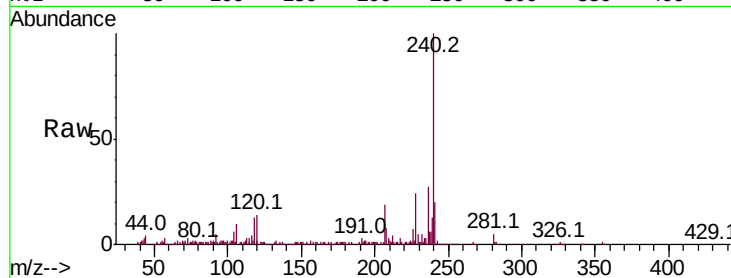
Tot Ion:228 Resp: 98295

Ion Ratio Lower Upper

228 100

229 20.4 15.6 23.4

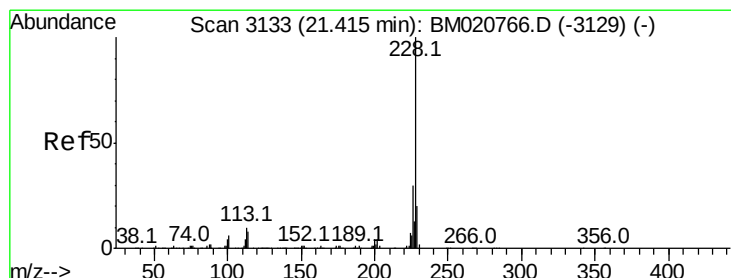
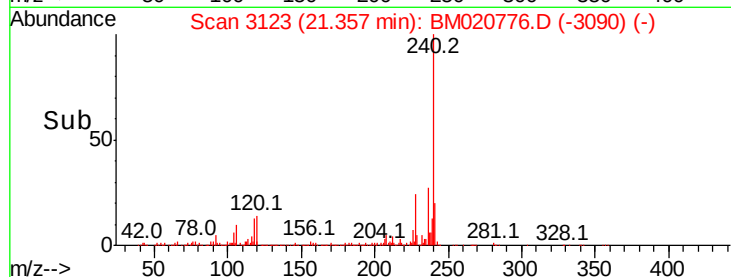
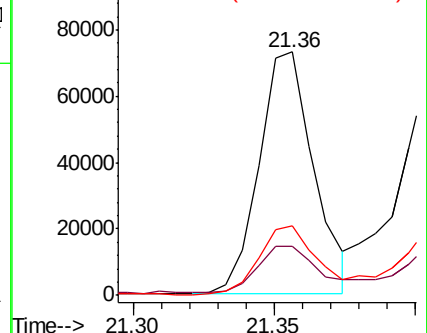
226 28.5 21.4 32.2



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

Chrysene

Concen: 1.279 ng/ul

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

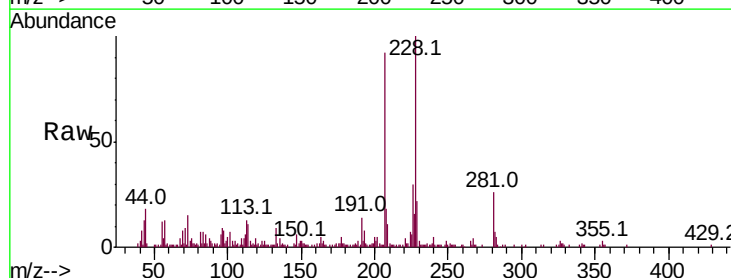
Tgt Ion:228 Resp: 99596

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

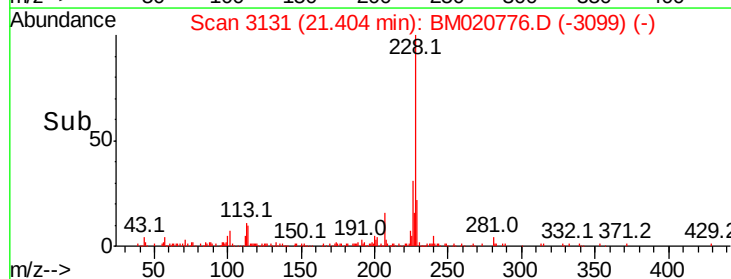
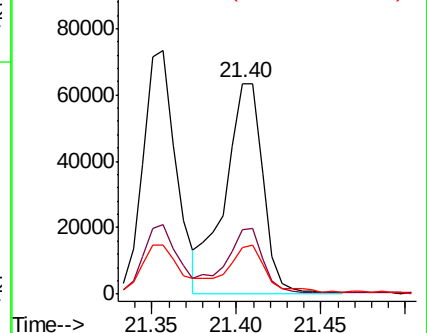
229 22.2 16.2 24.2

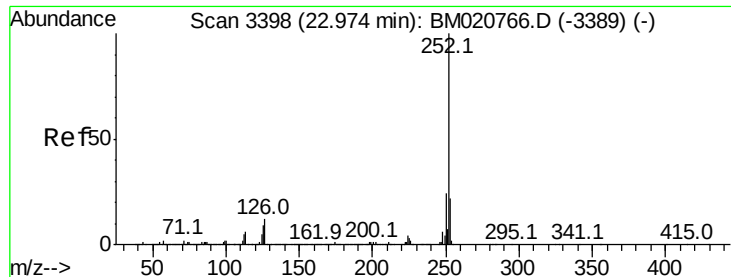


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 1.617 ng/ul

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM020776.D

Acq: 06 Jun 2019 22:49

Instrument :

BNA\_M

ClientSampleId :

C0AB3

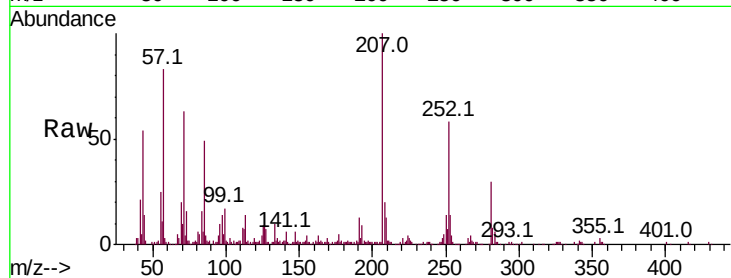
Tot Ion:252 Resp: 144080

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 16.2 7.3 10.9#



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

