

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062919\  
 Data File : BM021282.D  
 Acq On : 30 Jun 2019 03:19  
 Operator : HP/JU  
 Sample : K3590-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C5BB8

Quant Time: Jun 30 04:23:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jun 30 03:35:19 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 323693   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 1445523  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 933446   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.15 | 188  | 2100432  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.33 | 240  | 1479206  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.61 | 264  | 1671612  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 16963   | 2.49  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 442429  | 15.70 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 241741  | 14.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 365773  | 15.98 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 372656  | 15.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 190846  | 16.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 229044  | 17.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 449302  | 16.96 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 355129  | 12.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1419153 | 16.83 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 1672519 | 16.20 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 189410  | 13.81 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 1260548 | 17.18 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 138323  | 10.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.25 | 188 | 1896177 | 17.37 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.54 | 212 | 1846960 | 20.81 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.46 | 264 | 1729633 | 17.54 | ng/ul | 0.00 |

## Target Compounds

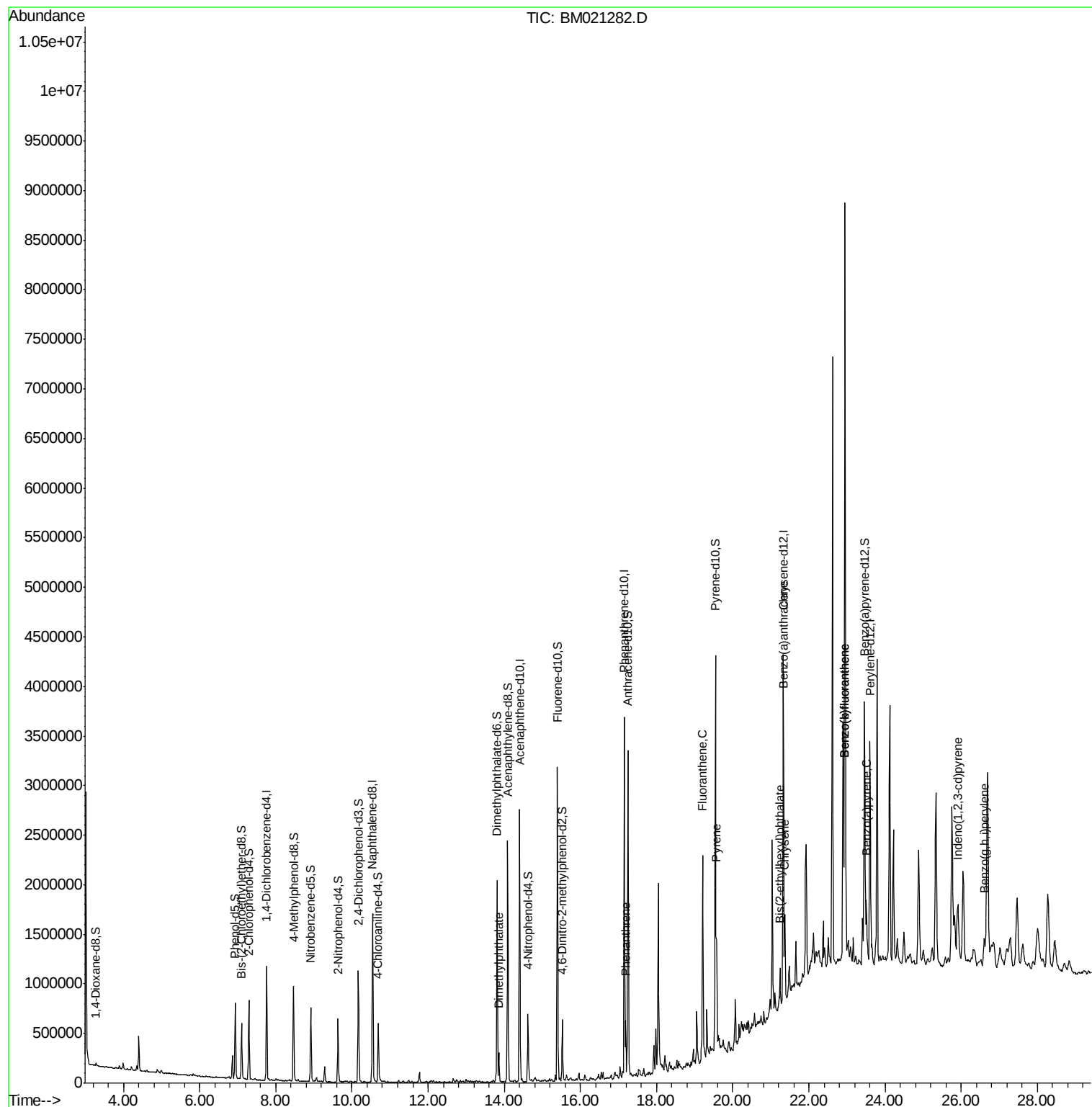
|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 44) Dimethylphthalate          | 13.86 | 163 | 191636  | 2.496 ng/ul  | 99     |
| 69) Phenanthrene               | 17.19 | 178 | 316590  | 2.725 ng/ul  | 99     |
| 76) Fluoranthene               | 19.21 | 202 | 1001294 | 7.977 ng/ul  | 100    |
| 79) Pyrene                     | 19.57 | 202 | 869395  | 8.314 ng/ul  | 99     |
| 82) Benzo(a)anthracene         | 21.32 | 228 | 461562  | 4.577 ng/ul  | 97     |
| 83) Bis(2-ethylhexyl)phthalate | 21.24 | 149 | 137873  | 2.502 ng/ul  | 99     |
| 84) Chrysene                   | 21.37 | 228 | 510150  | 5.401 ng/ul  | 98     |
| 87) Benzo(b)fluoranthene       | 22.92 | 252 | 801425  | 7.569 ng/ul# | 96     |
| 88) Benzo(k)fluoranthene       | 22.92 | 252 | 801425  | 7.867 ng/ul# | 97     |
| 90) Benzo(a)pyrene             | 23.51 | 252 | 474563  | 4.762 ng/ul  | 99     |
| 91) Indeno(1,2,3-cd)pyrene     | 25.90 | 276 | 375212  | 3.197 ng/ul  | 95     |
| 93) Benzo(g,h,i)perylene       | 26.60 | 276 | 348079  | 3.601 ng/ul  | 96     |

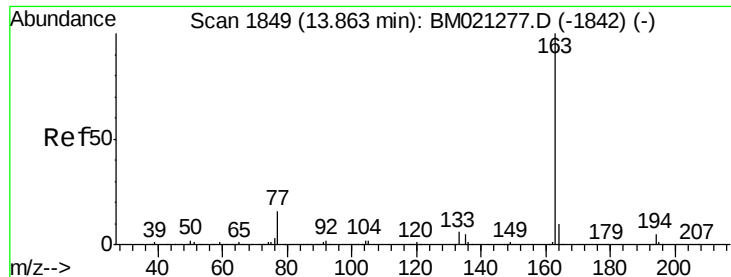
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062919\  
Data File : BM021282.D  
Acq On : 30 Jun 2019 03:19  
Operator : HP/JU  
Sample : K3590-19  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C5BB8

Quant Time: Jun 30 04:23:57 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jun 30 03:35:19 2019  
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.496 ng/ul

RT: 13.86 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

Instrument :

BNA\_M

ClientSampleId :

C5BB8

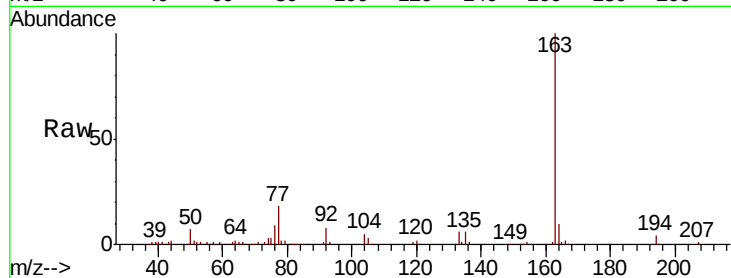
Tgt Ion:163 Resp: 191636

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

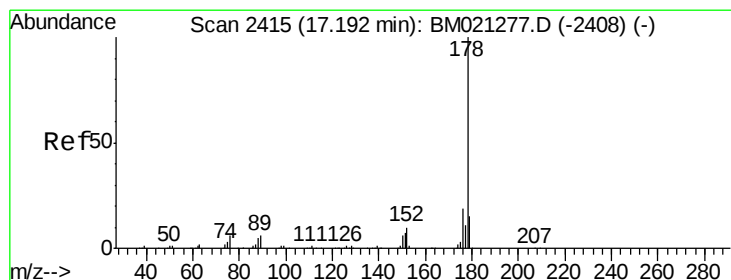
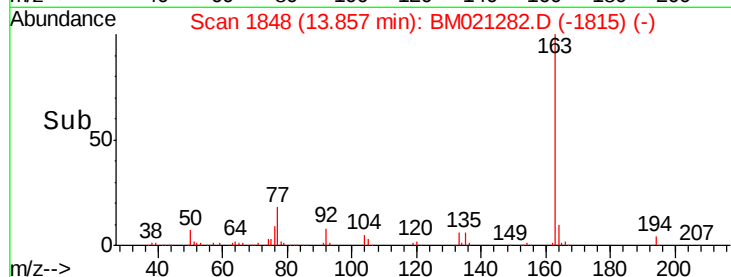
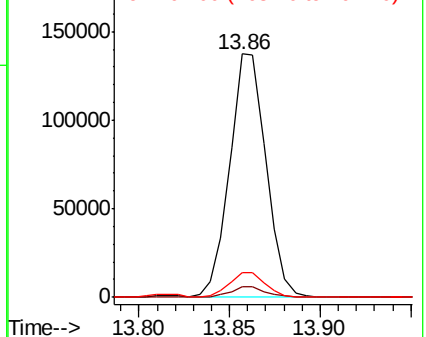
164 9.9 7.7 11.5



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: 2.725 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

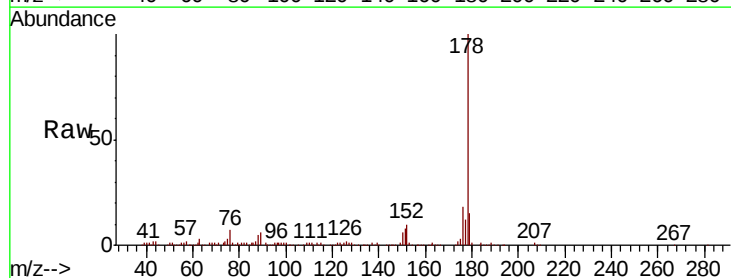
Tgt Ion:178 Resp: 316590

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

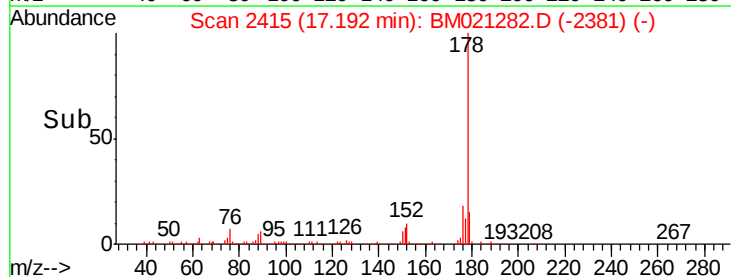
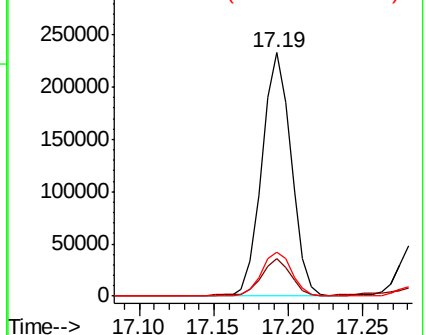
176 18.2 15.0 22.6

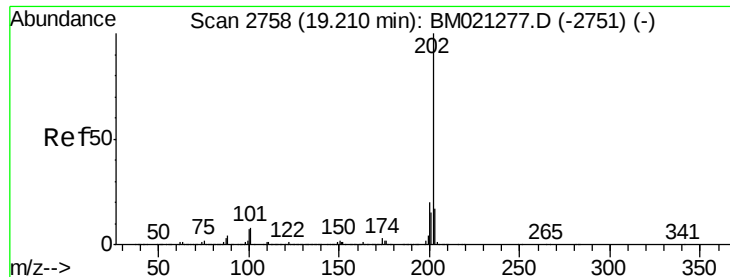


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

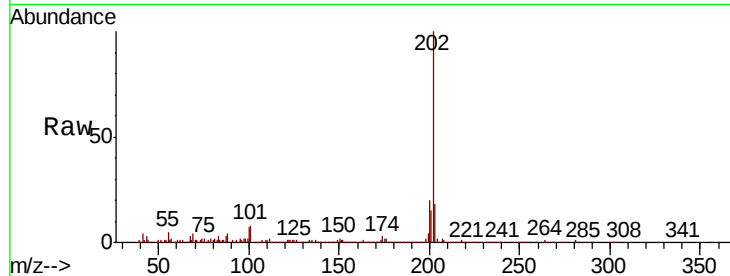




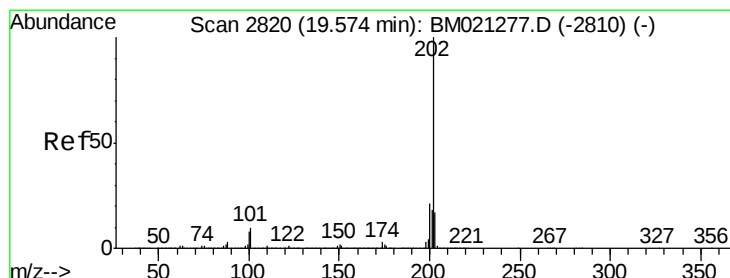
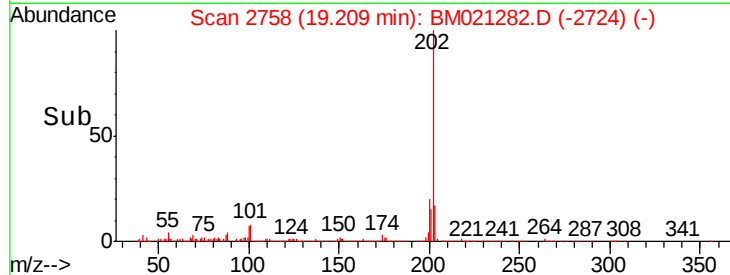
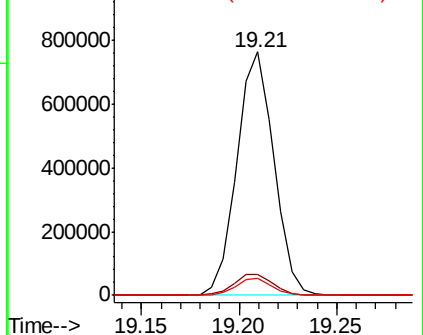
#76  
 Fluoranthene  
 Concen: 7.977 ng/ul  
 RT: 19.21 min Scan# 2758  
 Delta R.T. -0.00 min  
 Lab File: BM021282.D  
 Acq: 30 Jun 2019 03:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C5BB8

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.5   | 6.7   | 10.1  |
| 100     | 6.8   | 5.5   | 8.3   |

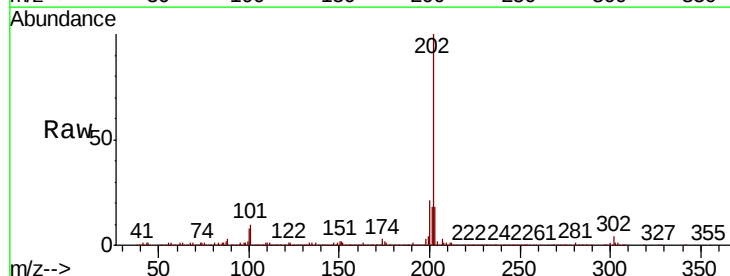


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

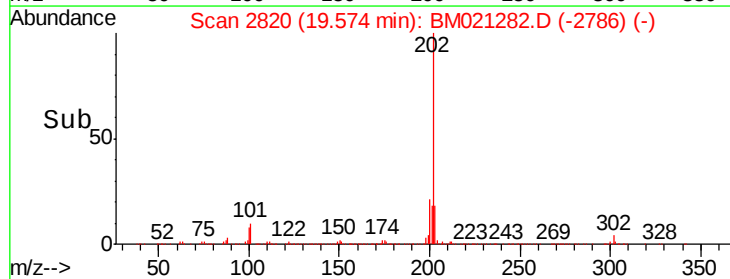
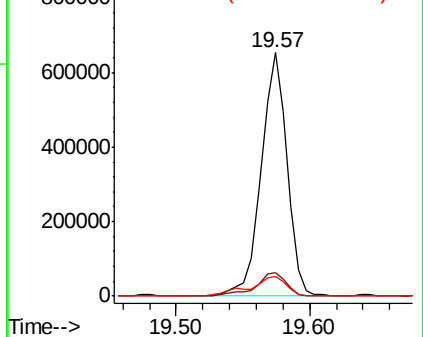


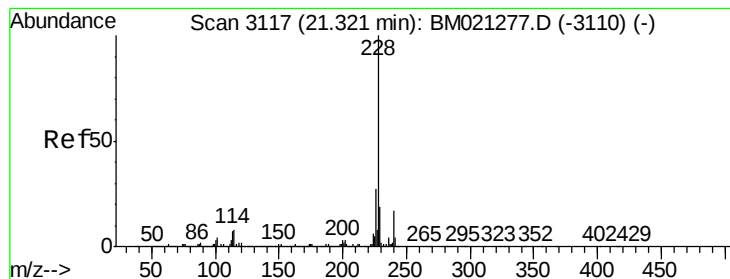
#79  
 Pyrene  
 Concen: 8.314 ng/ul  
 RT: 19.57 min Scan# 2820  
 Delta R.T. -0.00 min  
 Lab File: BM021282.D  
 Acq: 30 Jun 2019 03:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.8   | 8.1   | 12.1  |
| 100     | 8.2   | 6.6   | 10.0  |



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: 4.577 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

Instrument :

BNA\_M

ClientSampleId :

C5BB8

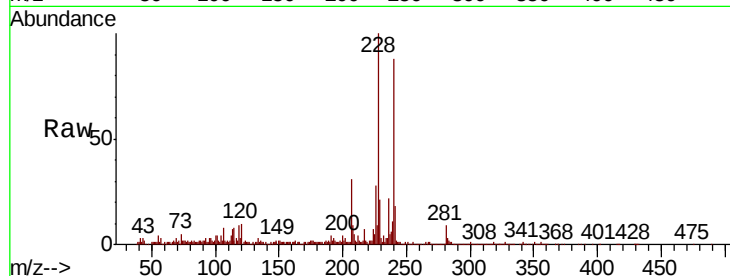
Tgt Ion:228 Resp: 461562

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

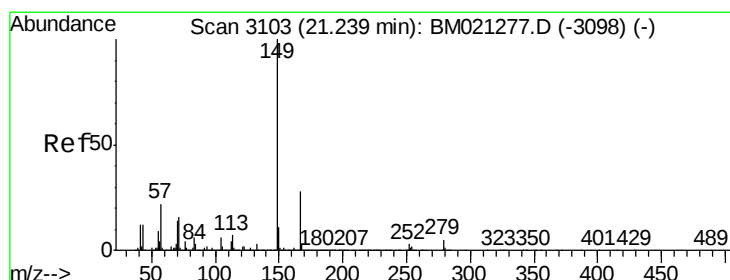
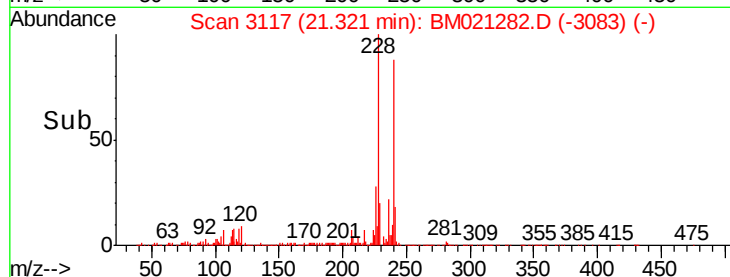
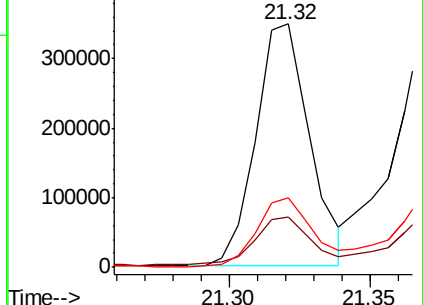
226 28.5 21.4 32.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.502 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

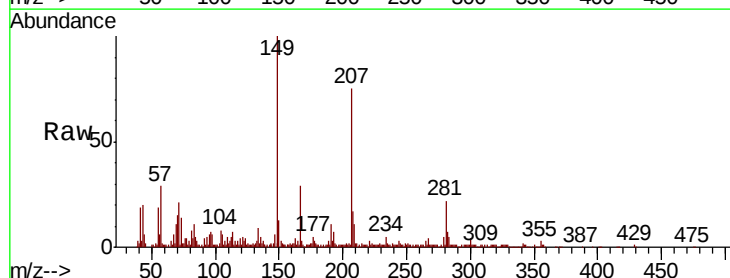
Tgt Ion:149 Resp: 137873

Ion Ratio Lower Upper

149 100

167 28.6 22.3 33.5

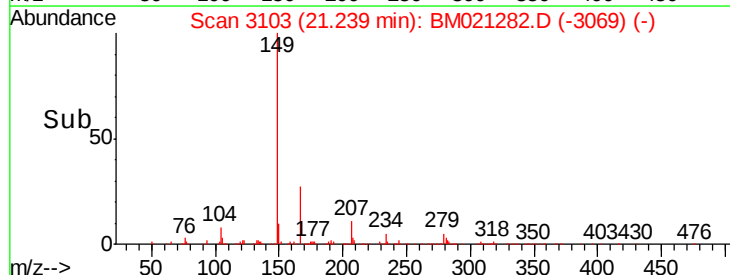
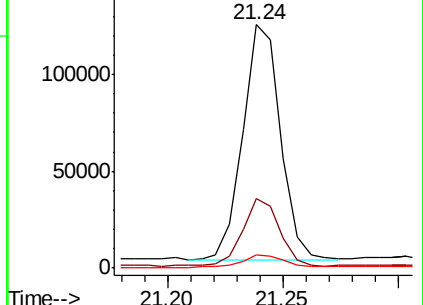
279 5.2 3.8 5.6

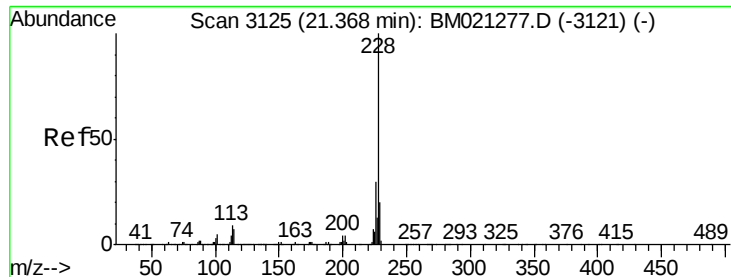


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 5.401 ng/ul

RT: 21.37 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

Instrument :

BNA\_M

ClientSampleId :

C5BB8

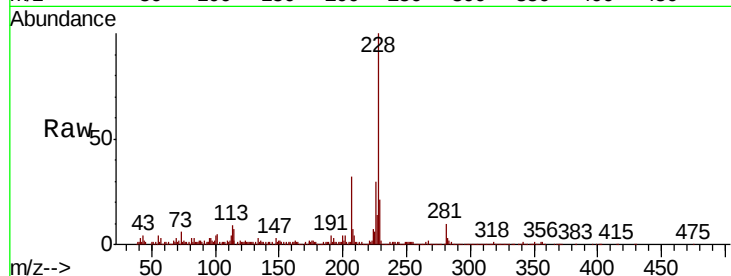
Tgt Ion:228 Resp: 510150

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

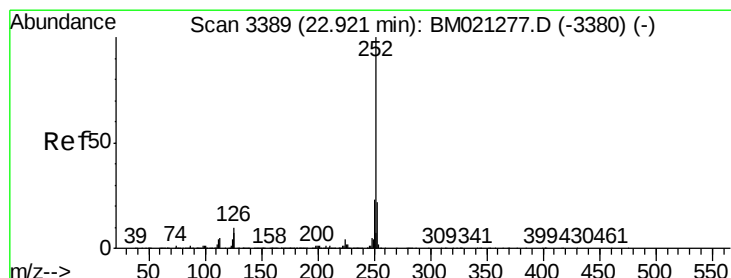
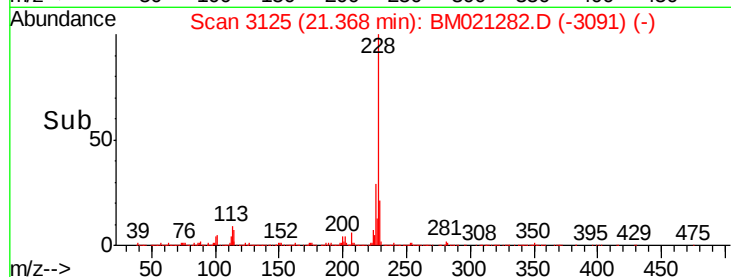
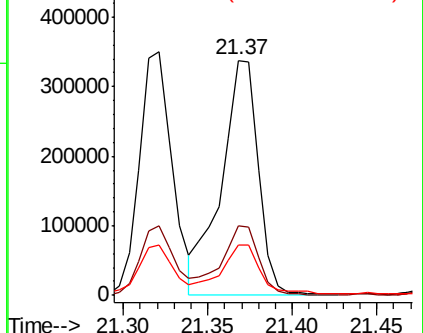
229 21.5 15.4 23.2



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: 7.569 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. -0.00 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

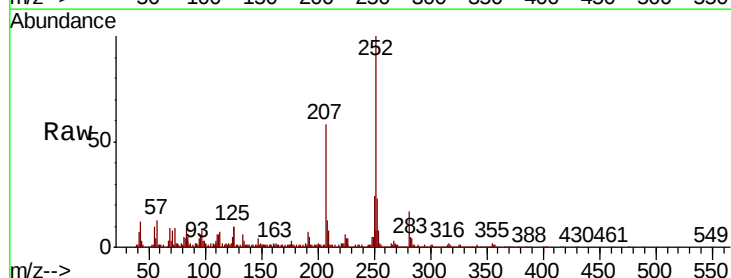
Tgt Ion:252 Resp: 801425

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

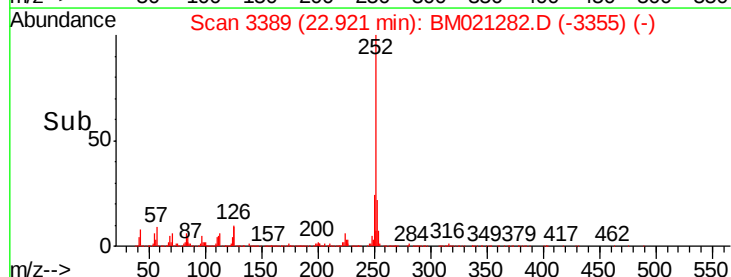
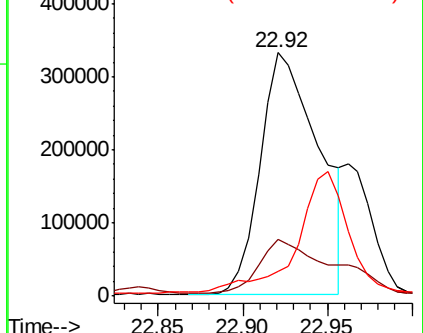
125 10.0 6.3 9.5#

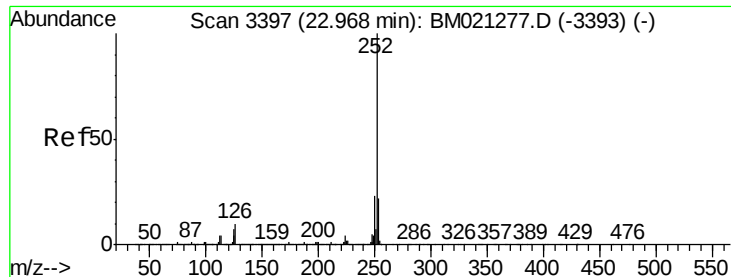


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 7.867 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. -0.05 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

Instrument :

BNA\_M

ClientSampleId :

C5BB8

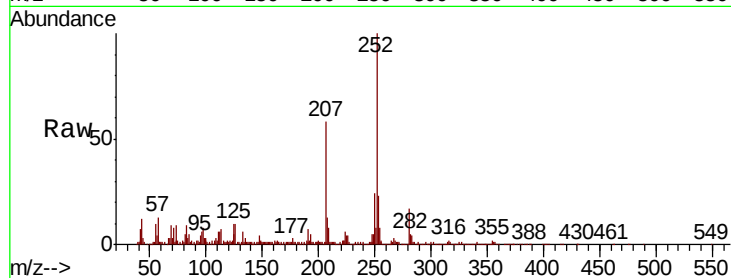
Tgt Ion:252 Resp: 801425

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

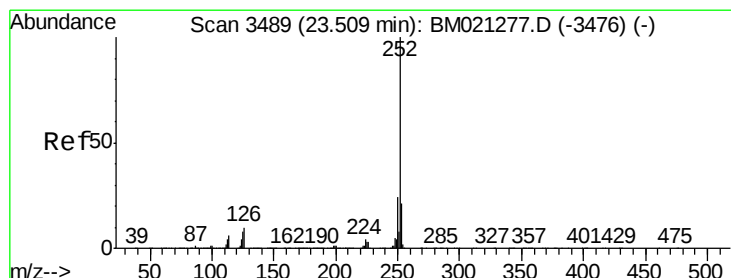
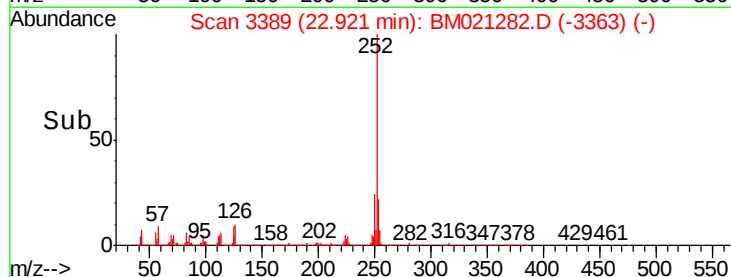
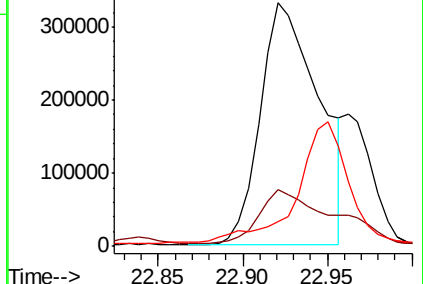
125 10.0 6.6 9.8#



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



#90

Benzo(a)pyrene

Concen: 4.762 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.00 min

Lab File: BM021282.D

Acq: 30 Jun 2019 03:19

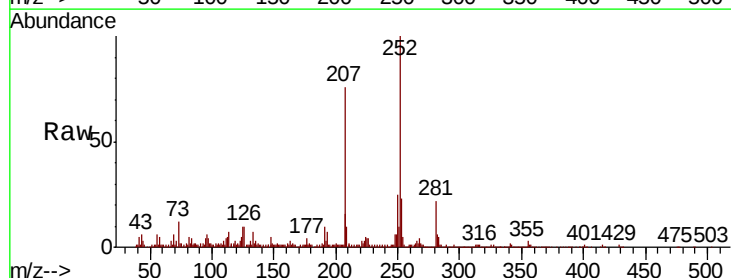
Tgt Ion:252 Resp: 474563

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

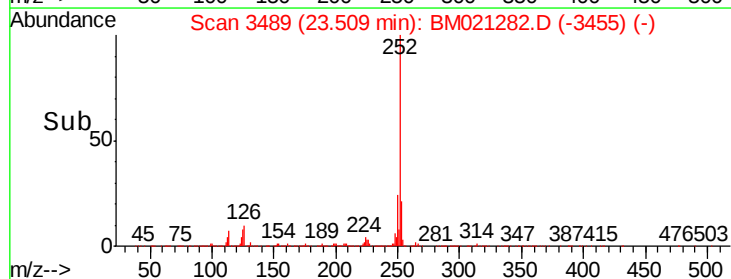
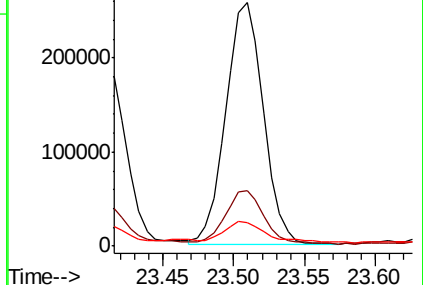
125 9.6 7.2 10.8

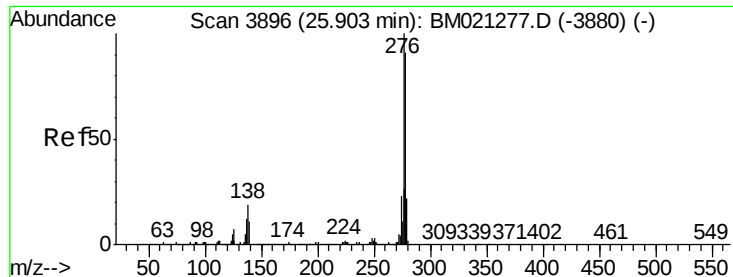


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



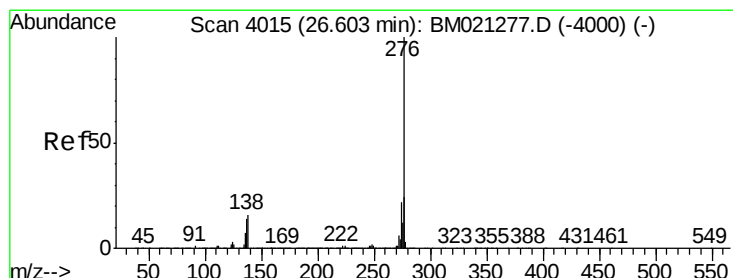
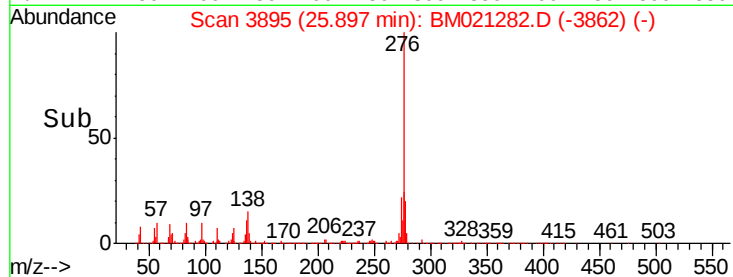
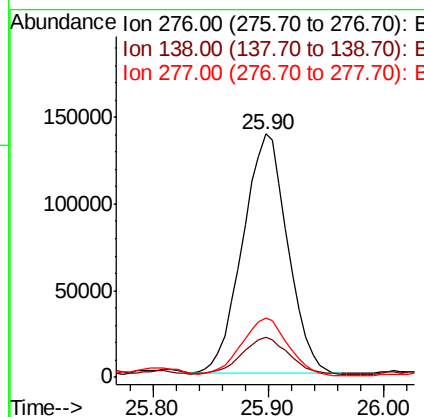
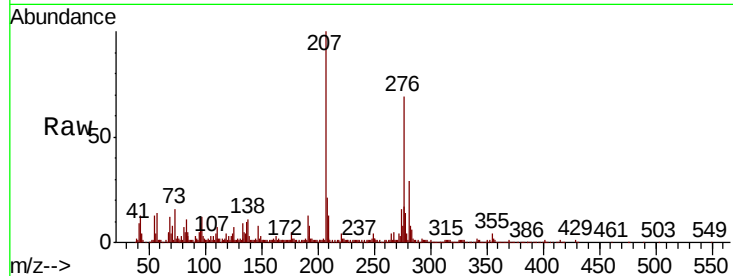


#91

Indeno(1,2,3-cd)pyrene  
Concen: 3.197 ng/ul  
RT: 25.90 min Scan# 3895  
Delta R.T. -0.01 min  
Lab File: BM021282.D  
Acq: 30 Jun 2019 03:19

Instrument :  
BNA\_M  
ClientSampleId :  
C5BB8

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.3  | 15.9  | 23.9  |
| 277     | 24.2  | 20.4  | 30.6  |



#93

Benzo(g,h,i)perylene  
Concen: 3.601 ng/ul  
RT: 26.60 min Scan# 4015  
Delta R.T. -0.00 min  
Lab File: BM021282.D  
Acq: 30 Jun 2019 03:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.8  | 14.6  | 21.8  |
| 277     | 25.5  | 18.9  | 28.3  |

