

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
 Data File : BM024762.D  
 Acq On : 07 Feb 2020 14:57  
 Operator : CG/JU  
 Sample : L1399-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB6F9

Quant Time: Feb 07 15:44:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 07 07:38:13 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.41  | 152  | 319268   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.16 | 136  | 1284831  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.06 | 164  | 844406   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.82 | 188  | 1790041  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.03 | 240  | 1568206  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.14 | 264  | 1688872  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.02  | 96  | 25190   | 3.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.60  | 99  | 415584  | 19.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 275149  | 22.97 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 393228  | 20.69 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.12  | 113 | 349406  | 19.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.55  | 128 | 206831  | 22.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.26  | 143 | 239485  | 21.81 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.80  | 165 | 415238  | 18.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.31 | 131 | 516330  | 24.92 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.49 | 166 | 1511017 | 23.71 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.75 | 160 | 1559235 | 20.95 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.29 | 143 | 195160  | 18.84 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.06 | 176 | 1222514 | 21.66 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.20 | 200 | 229316  | 19.65 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.92 | 188 | 1761264 | 21.55 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.22 | 212 | 1876718 | 23.92 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.00 | 264 | 1793648 | 21.15 | ng/ul | 0.00 |

## Target Compounds

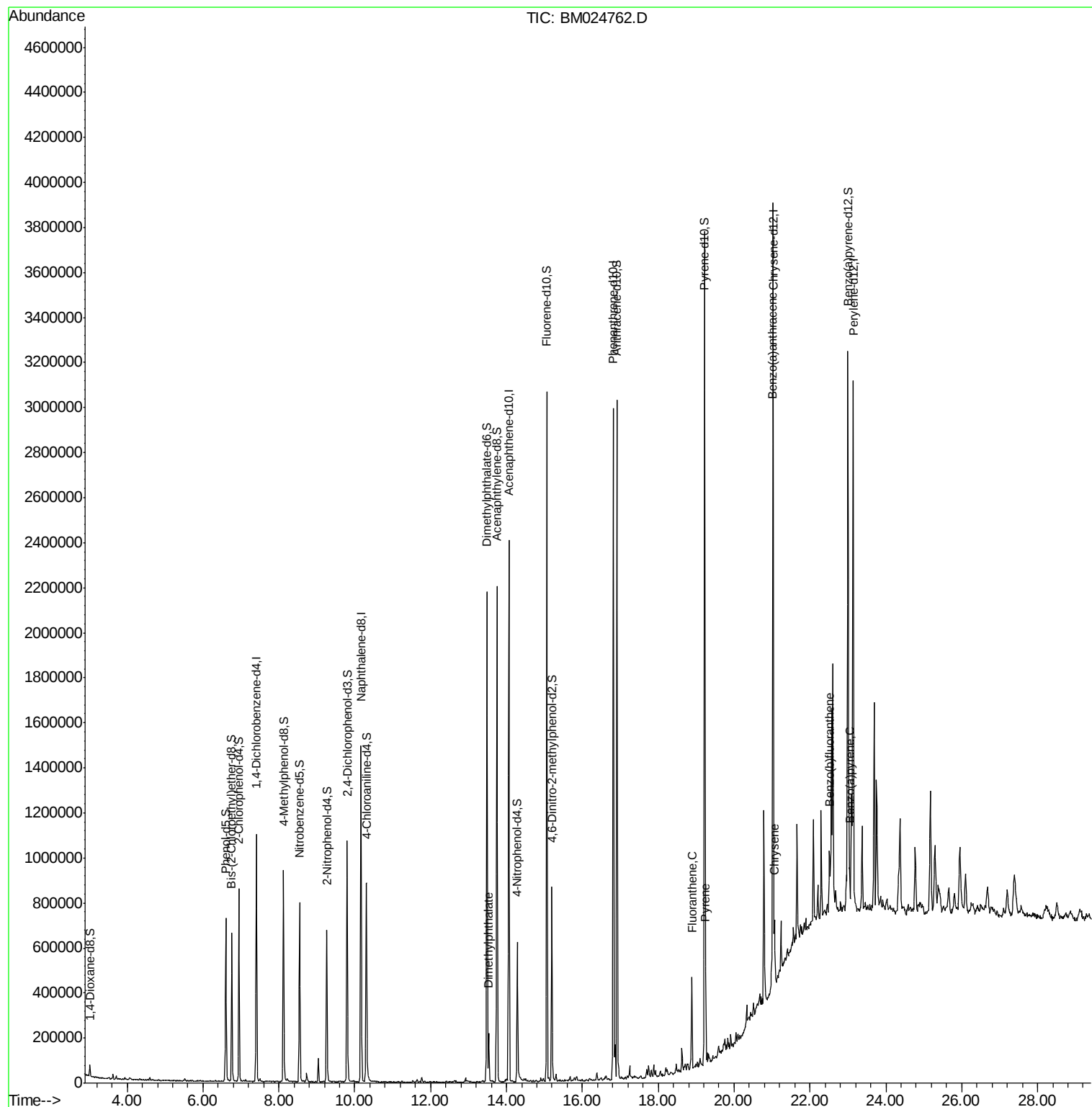
|                          |       |     |        |              | Ovalue |
|--------------------------|-------|-----|--------|--------------|--------|
| 45) Dimethylphthalate    | 13.53 | 163 | 142842 | 2.148 ng/ul  | 99     |
| 77) Fluoranthene         | 18.89 | 202 | 256632 | 2.142 ng/ul  | 100    |
| 80) Pyrene               | 19.25 | 202 | 231932 | 2.234 ng/ul  | 98     |
| 83) Benzo(a)anthracene   | 21.02 | 228 | 142536 | 1.349 ng/ul  | 97     |
| 85) Chrysene             | 21.06 | 228 | 161032 | 1.548 ng/ul  | 99     |
| 88) Benzo(b)fluoranthene | 22.52 | 252 | 231239 | 2.153 ng/ul# | 95     |
| 91) Benzo(a)pyrene       | 23.04 | 252 | 131135 | 1.362 ng/ul# | 94     |

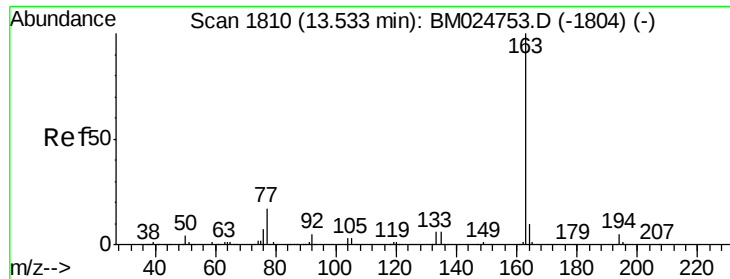
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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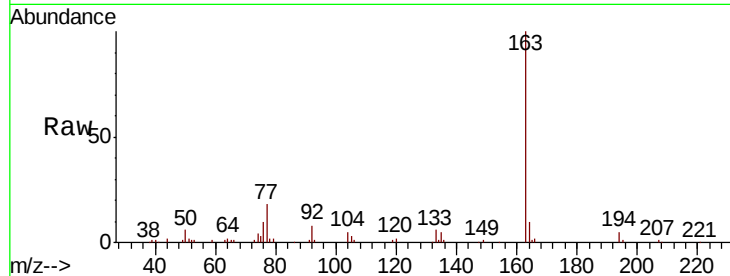




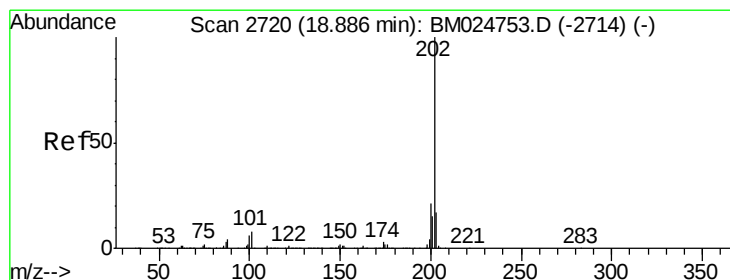
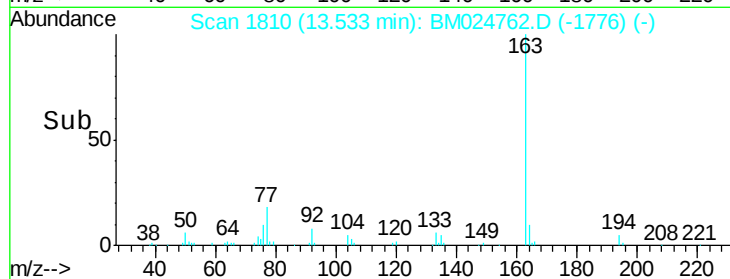
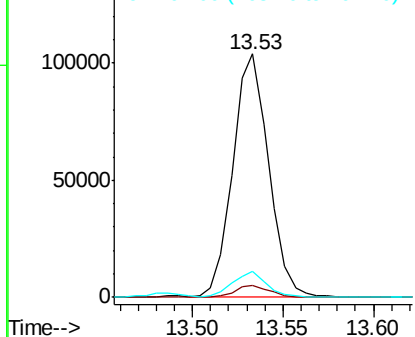
#45  
Dimethylphthalate  
Concen: 2.148 ng/ul  
RT: 13.53 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: BM024762.D  
Acq: 07 Feb 2020 14:57

Instrument :  
BNA\_M  
ClientSampleId :  
CB6F9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.1   | 3.5   | 5.3   |
| 164     | 10.5  | 8.2   | 12.2  |

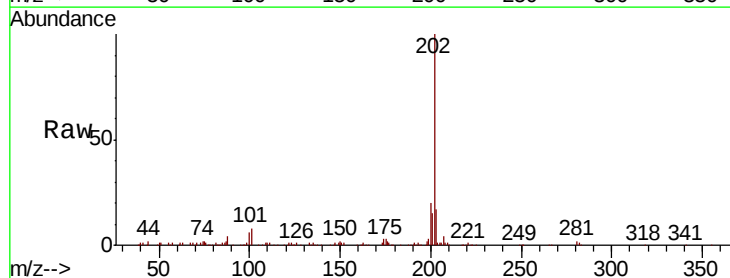


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

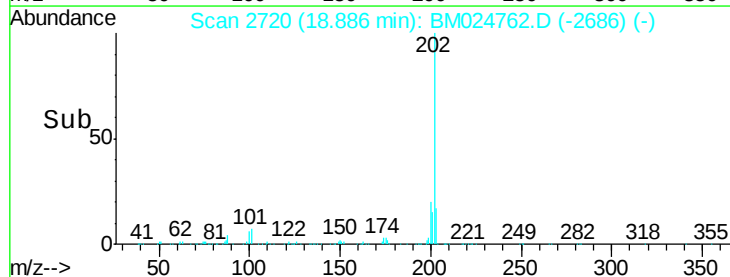
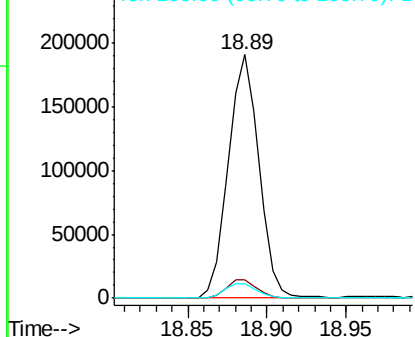


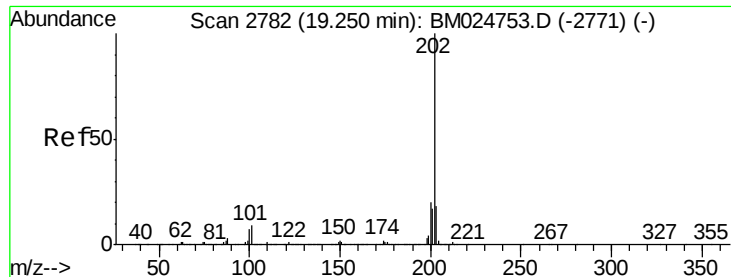
#77  
Fluoranthene  
Concen: 2.142 ng/ul  
RT: 18.89 min Scan# 2720  
Delta R.T. 0.00 min  
Lab File: BM024762.D  
Acq: 07 Feb 2020 14:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.6   | 6.1   | 9.1   |
| 100     | 6.1   | 4.8   | 7.2   |



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

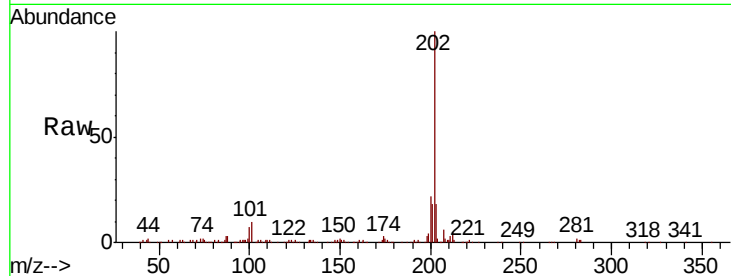




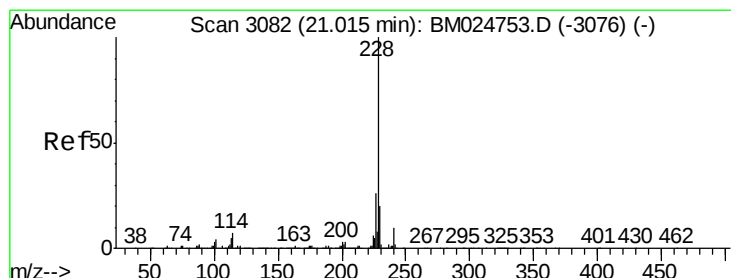
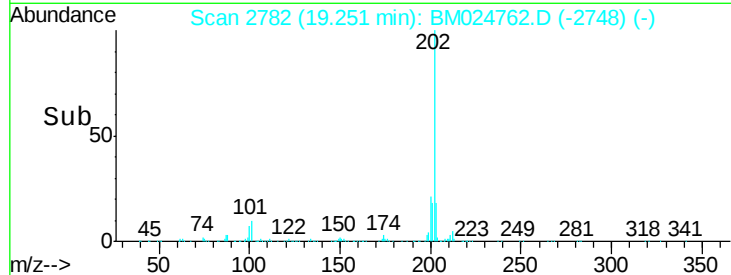
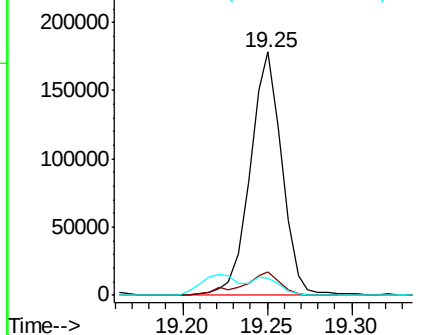
#80  
 Pvrene  
 Concen: 2.234 ng/ul  
 RT: 19.25 min Scan# 2782  
 Delta R.T. 0.00 min  
 Lab File: BM024762.D  
 Acq: 07 Feb 2020 14:57

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB6F9

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 231932 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 9.7   | 7.0   | 10.4   |
| 100      | 7.2   | 5.8   | 8.8    |

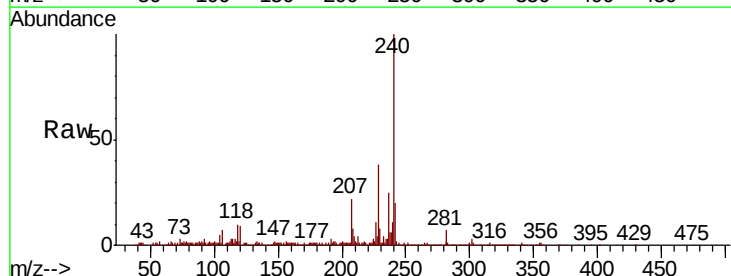


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

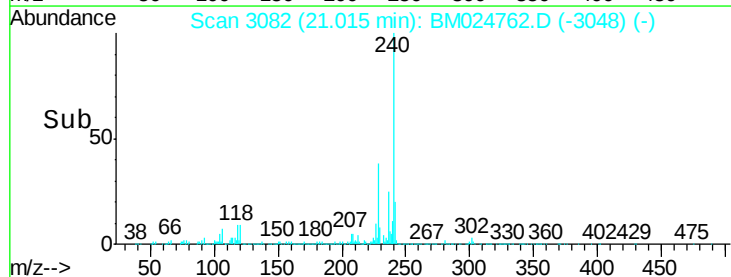
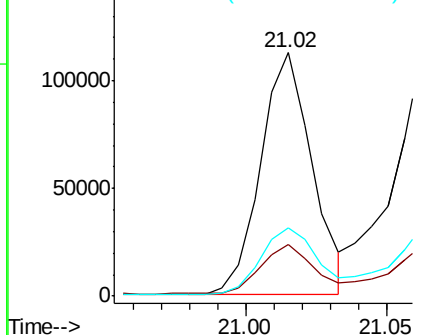


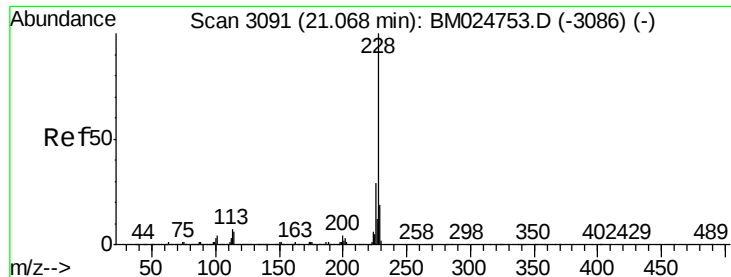
#83  
 Benzo(a)anthracene  
 Concen: 1.349 ng/ul  
 RT: 21.02 min Scan# 3082  
 Delta R.T. 0.00 min  
 Lab File: BM024762.D  
 Acq: 07 Feb 2020 14:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 142536 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 229      | 21.2  | 15.9  | 23.9   |
| 226      | 28.0  | 20.8  | 31.2   |



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





#85

Chrysene

Concen: 1.548 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM024762.D

Acq: 07 Feb 2020 14:57

Instrument :

BNA\_M

ClientSampleId :

CB6F9

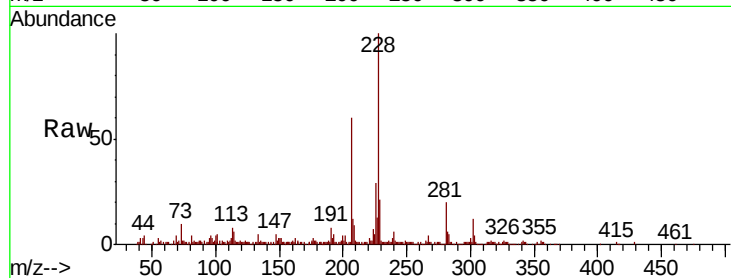
Tot Ion:228 Resp: 161032

Ion Ratio Lower Upper

228 100

226 28.6 23.0 34.4

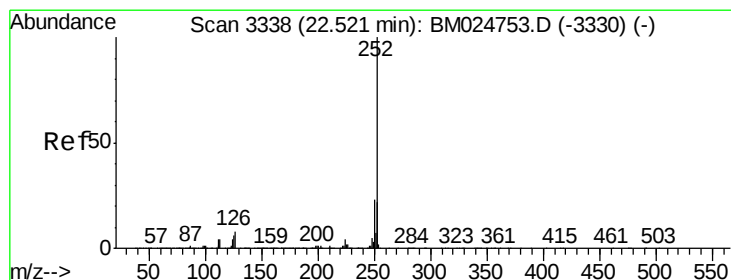
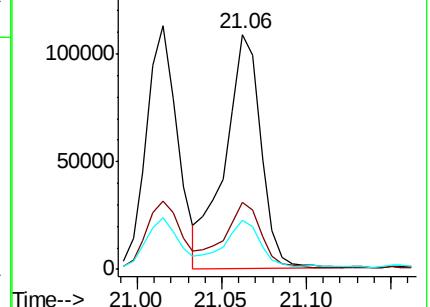
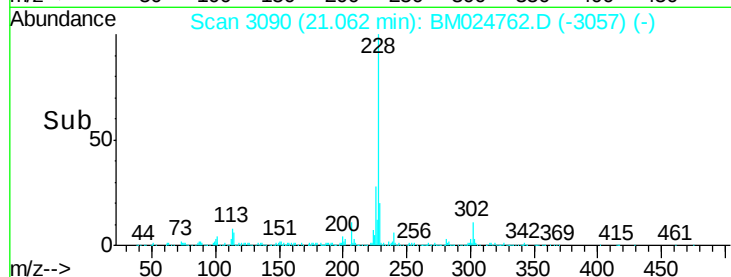
229 21.1 15.8 23.8



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



#88

Benzo(b)fluoranthene

Concen: 2.153 ng/ul

RT: 22.52 min Scan# 3337

Delta R.T. -0.01 min

Lab File: BM024762.D

Acq: 07 Feb 2020 14:57

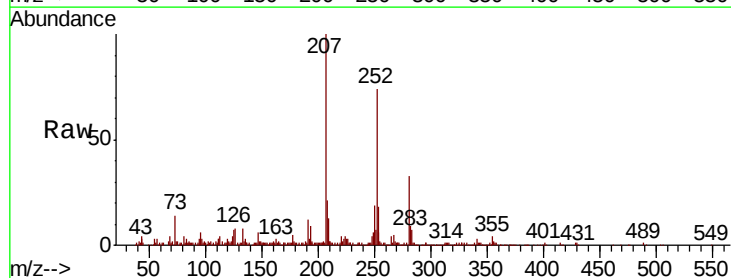
Tgt Ion:252 Resp: 231239

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

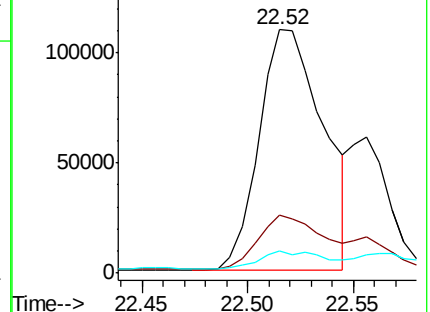
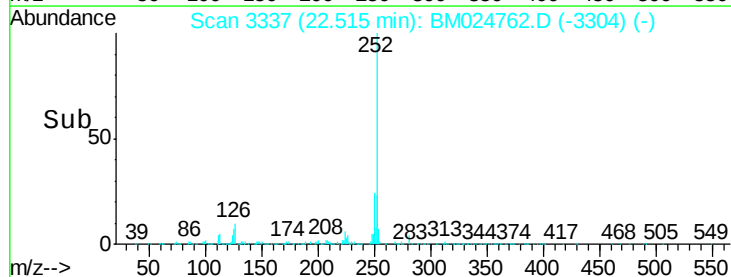
125 8.9 5.1 7.7#

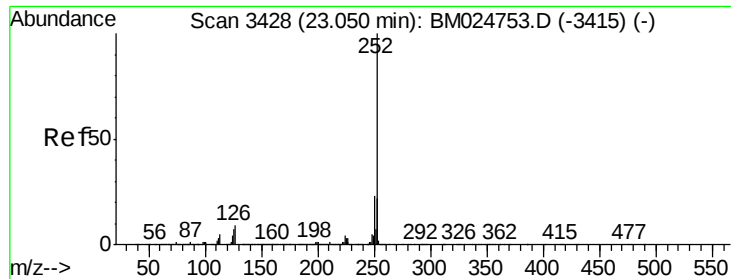


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.362 ng/ul

RT: 23.04 min Scan# 3427

Delta R.T. 0.00 min

Lab File: BM024762.D

Acq: 07 Feb 2020 14:57

Instrument :

BNA\_M

ClientSampleId :

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Tot Ion:252 Resp: 131135

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 9.6 5.6 8.4#

