

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
 Data File : BM024785.D  
 Acq On : 08 Feb 2020 06:04  
 Operator : CG/JU  
 Sample : L1400-05  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Feb 10 00:10:48 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 | 7.40  | 152  | 309151   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.16 | 136  | 1201224  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.06 | 164  | 795053   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.81 | 188  | 1703734  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.02 | 240  | 1671088  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.13 | 264  | 1707643  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.02  | 96  | 22520   | 3.50  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.60  | 99  | 397219  | 19.34 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 254962  | 21.98 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 374975  | 20.38 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.12  | 113 | 338246  | 19.52 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.55  | 128 | 191715  | 22.07 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.26  | 143 | 226576  | 22.08 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.79  | 165 | 399554  | 19.30 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.30 | 131 | 490607  | 25.33 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.48 | 166 | 1351684 | 22.52 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.74 | 160 | 1467779 | 20.94 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.28 | 143 | 170498  | 17.48 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.06 | 176 | 1128004 | 21.23 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.19 | 200 | 188298  | 16.96 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.91 | 188 | 1630123 | 20.96 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.22 | 212 | 1747293 | 20.90 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.00 | 264 | 1744197 | 20.34 | ng/ul | 0.00  |

## Target Compounds

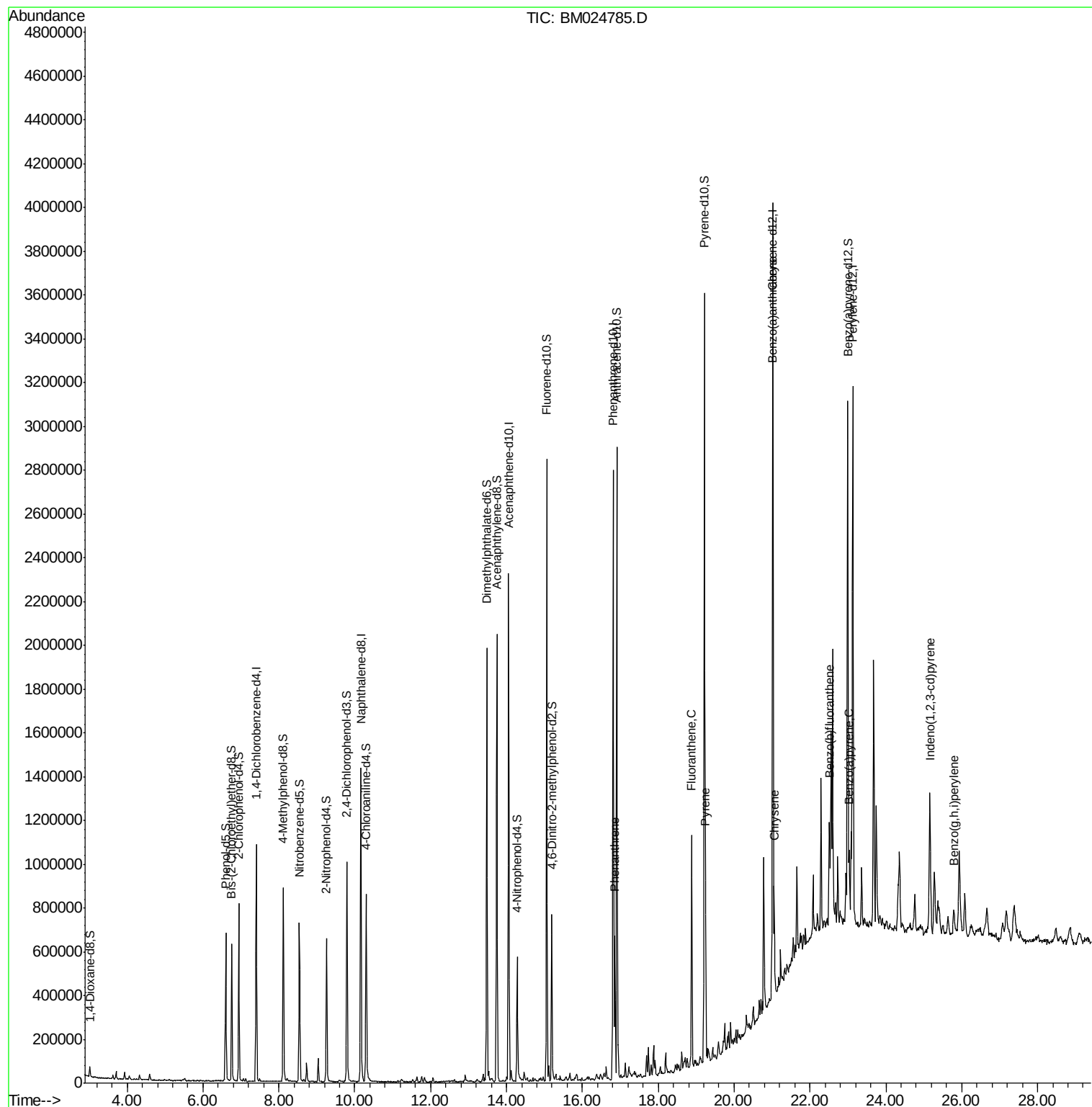
|                            |       |     |        |              | Ovalue |
|----------------------------|-------|-----|--------|--------------|--------|
| 70) Phenanthrene           | 16.85 | 178 | 396249 | 4.266 ng/ul  | 98     |
| 77) Fluoranthene           | 18.88 | 202 | 635284 | 5.571 ng/ul  | 99     |
| 80) Pyrene                 | 19.24 | 202 | 524941 | 4.746 ng/ul  | 100    |
| 83) Benzo(a)anthracene     | 21.01 | 228 | 303966 | 2.700 ng/ul  | 98     |
| 85) Chrysene               | 21.06 | 228 | 309322 | 2.791 ng/ul  | 99     |
| 88) Benzo(b)fluoranthene   | 22.51 | 252 | 400989 | 3.693 ng/ul# | 97     |
| 91) Benzo(a)pyrene         | 23.03 | 252 | 232606 | 2.389 ng/ul# | 98     |
| 92) Indeno(1,2,3-cd)pyrene | 25.17 | 276 | 174693 | 1.441 ng/ul  | 99     |
| 94) Benzo(a,h,i)perylene   | 25.79 | 276 | 140455 | 1.393 ng/ul  | 96     |

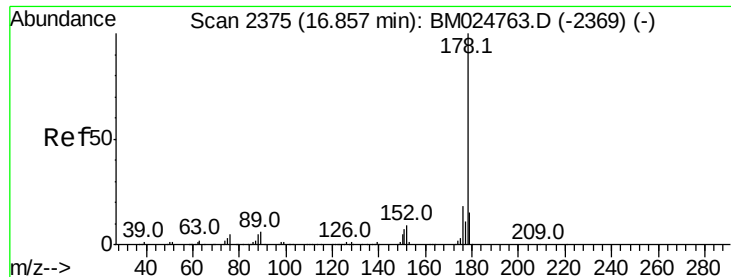
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 07 07:38:13 2020  
Response via : Initial Calibration





#70

Phenanthrene

Concen: 4.266 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

Instrument :

BNA\_M

ClientSampleId :

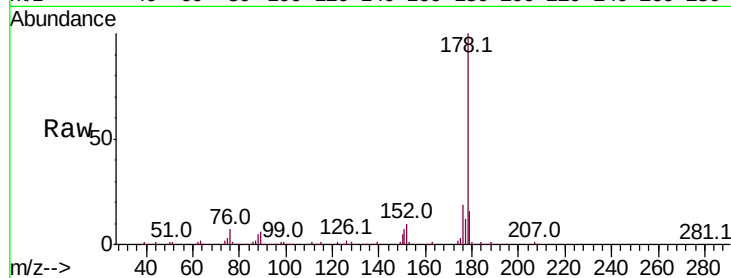
Tot Ion:178 Resp: 396249

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

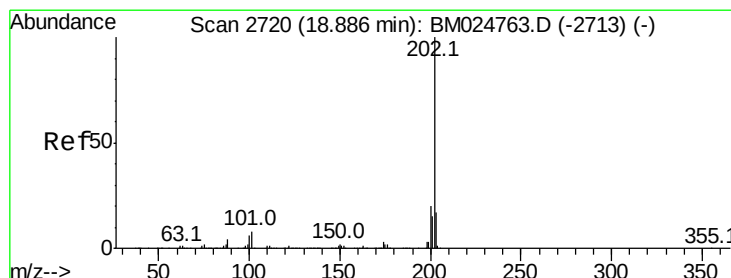
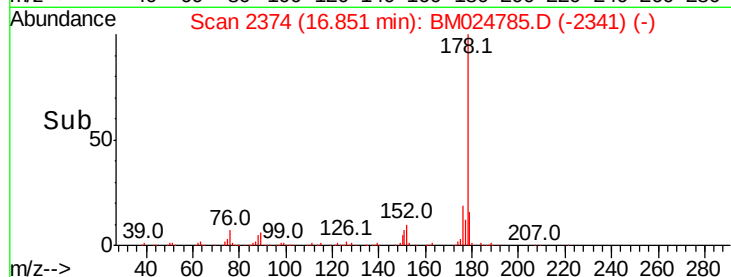
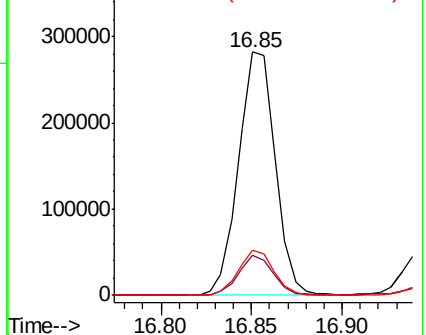
176 18.8 14.5 21.7



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



#77

Fluoranthene

Concen: 5.571 ng/ul

RT: 18.88 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

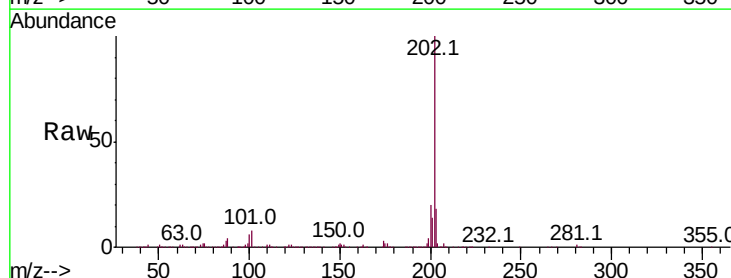
Tgt Ion:202 Resp: 635284

Ion Ratio Lower Upper

202 100

101 7.7 6.1 9.1

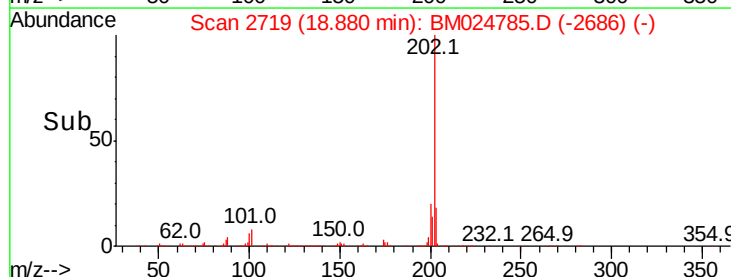
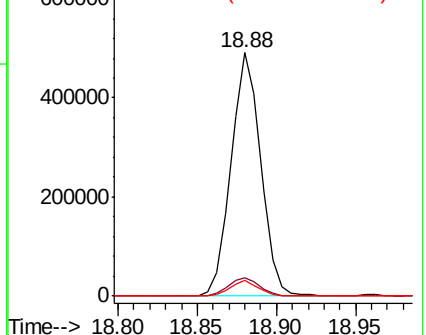
100 6.4 4.8 7.2

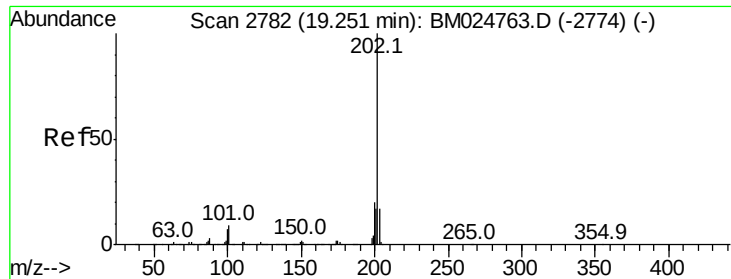


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

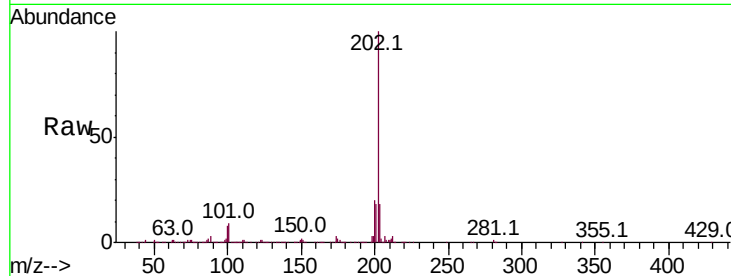




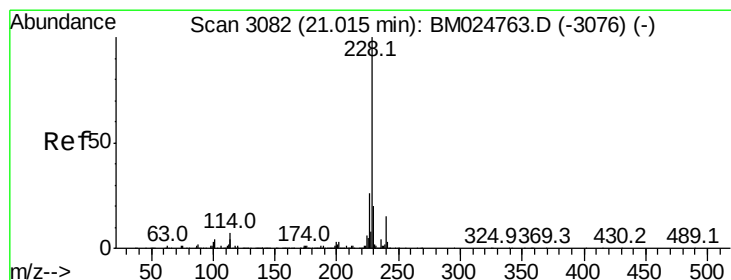
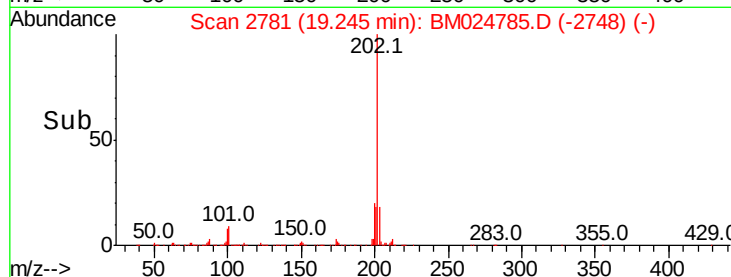
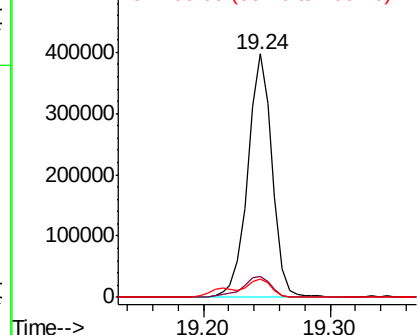
#80  
Pvrene  
Concen: 4.746 ng/ul  
RT: 19.24 min Scan# 2781  
Delta R.T. -0.01 min  
Lab File: BM024785.D  
Acq: 08 Feb 2020 06:04

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.8   | 7.0   | 10.4  |
| 100     | 7.5   | 5.8   | 8.8   |

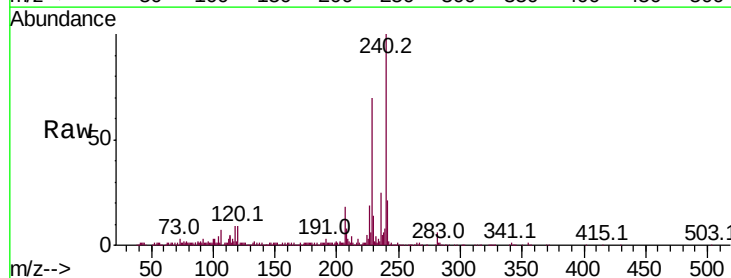


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

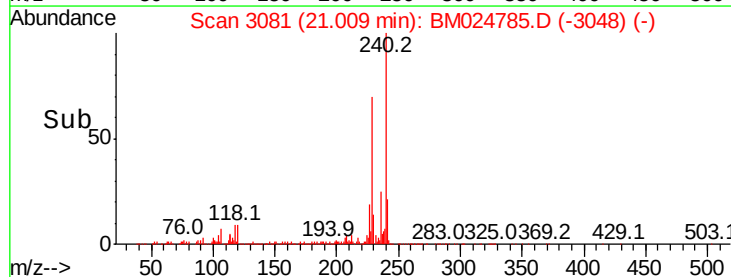
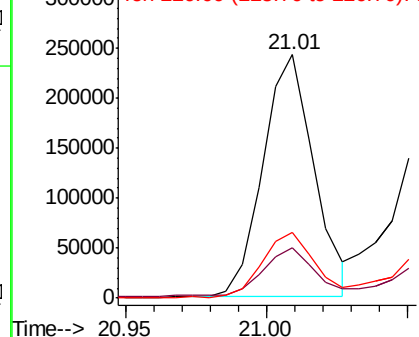


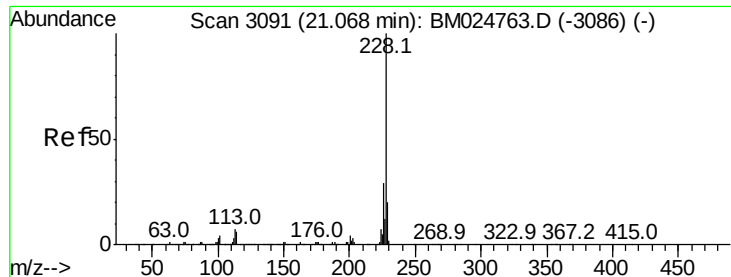
#83  
Benzo(a)anthracene  
Concen: 2.700 ng/ul  
RT: 21.01 min Scan# 3081  
Delta R.T. -0.01 min  
Lab File: BM024785.D  
Acq: 08 Feb 2020 06:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.6  | 15.9  | 23.9  |
| 226     | 27.2  | 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: 2.791 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

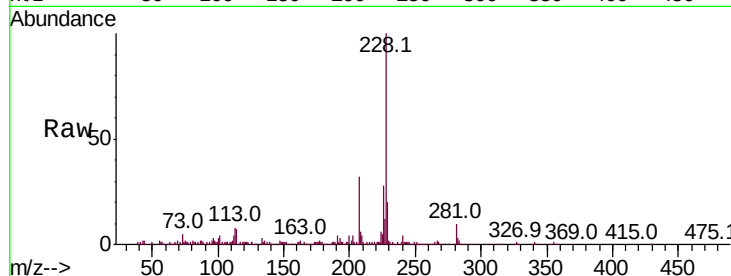
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 309322

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.4  | 23.0  | 34.4  |
| 229 | 19.6  | 15.8  | 23.8  |

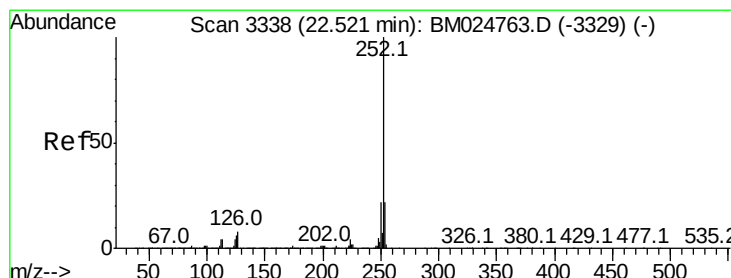
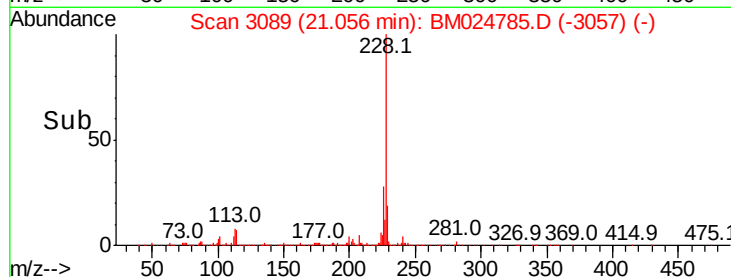
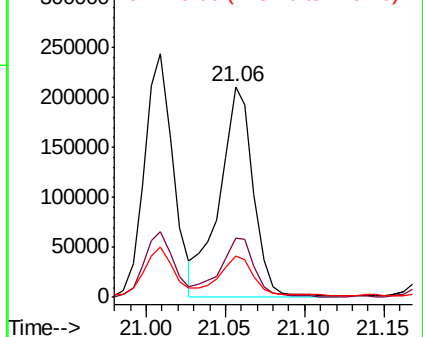


Abundance

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: 3.693 ng/ul

RT: 22.51 min Scan# 3336

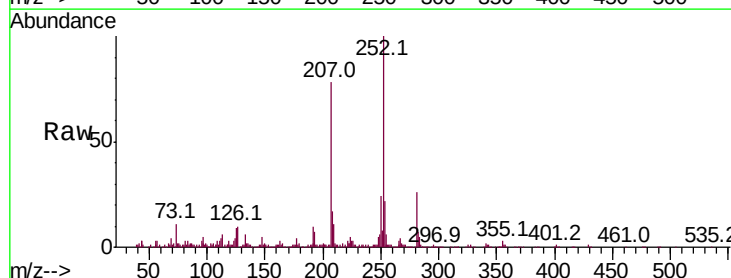
Delta R.T. -0.01 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

Tgt Ion:252 Resp: 400989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 17.3  | 25.9  |
| 125 | 8.7   | 5.1   | 7.7#  |

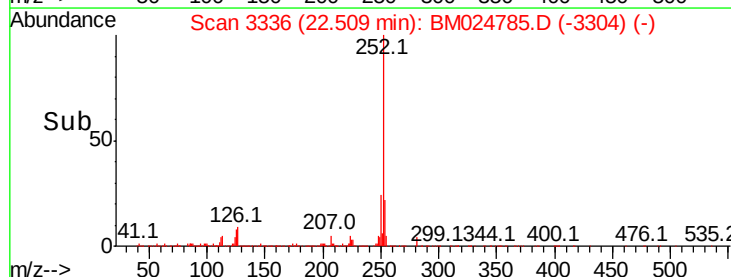
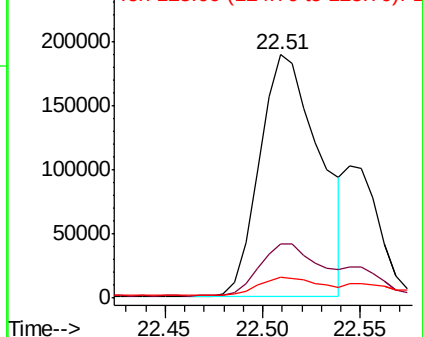


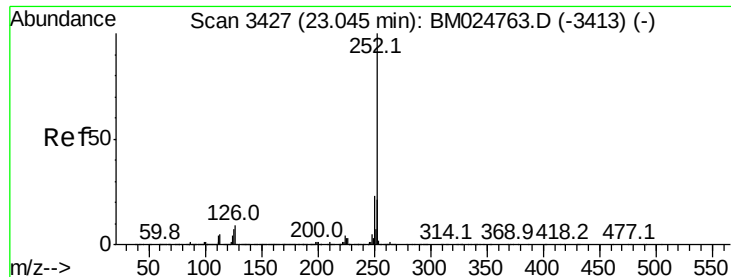
Abundance

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: 2.389 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

Instrument :

BNA\_M

ClientSampleId :

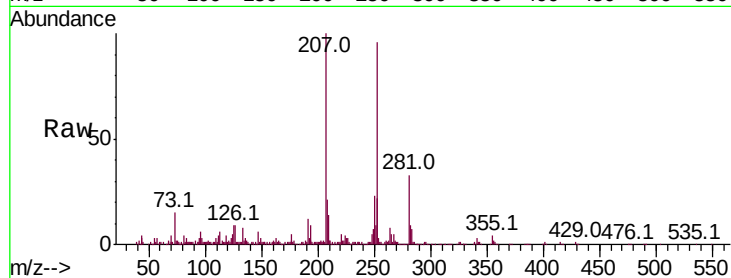
Tot Ion:252 Resp: 232606

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

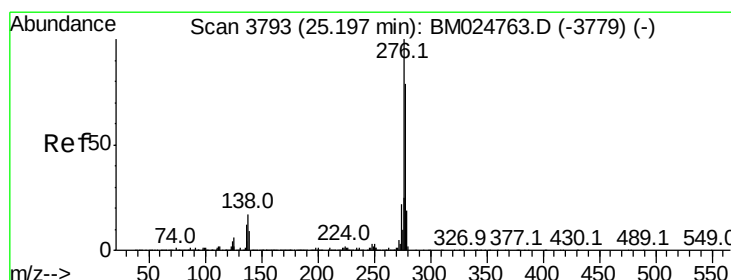
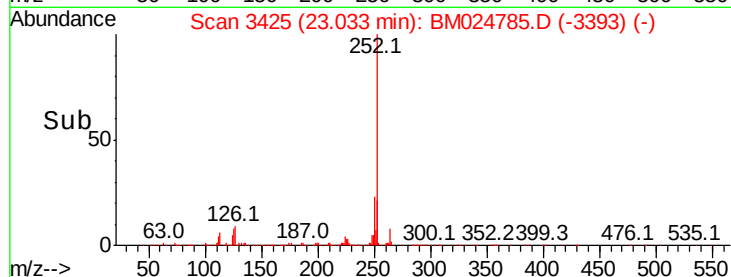
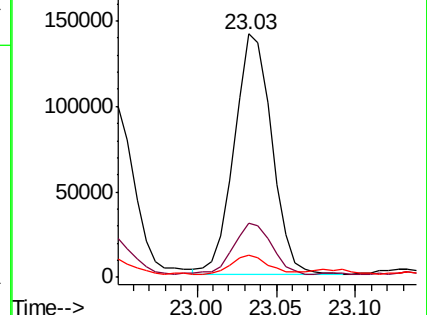
125 8.9 5.6 8.4#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.441 ng/ul

RT: 25.17 min Scan# 3789

Delta R.T. -0.02 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

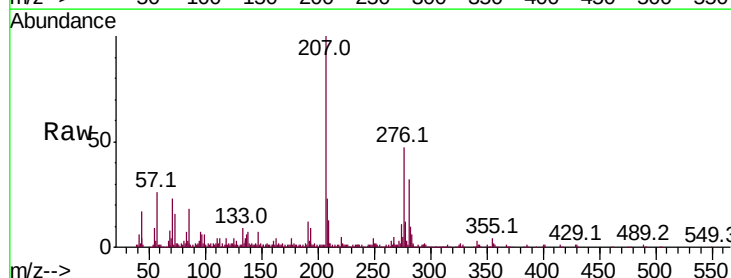
Tgt Ion:276 Resp: 174693

Ion Ratio Lower Upper

276 100

138 15.9 12.8 19.2

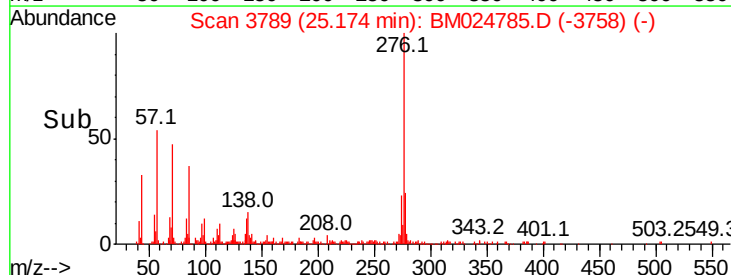
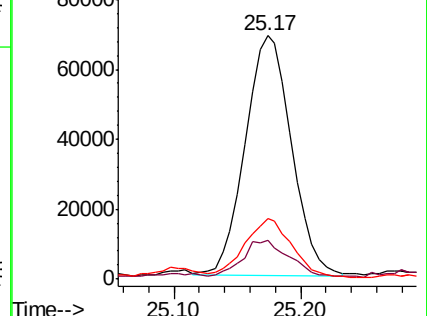
277 24.8 19.3 28.9

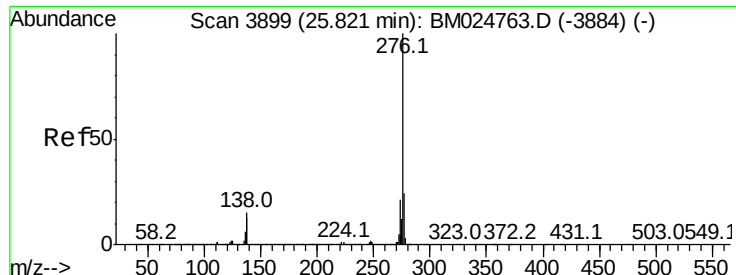


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 1.393 ng/ul

RT: 25.79 min Scan# 3894

Delta R.T. -0.02 min

Lab File: BM024785.D

Acq: 08 Feb 2020 06:04

Instrument :

BNA\_M

ClientSampleId :

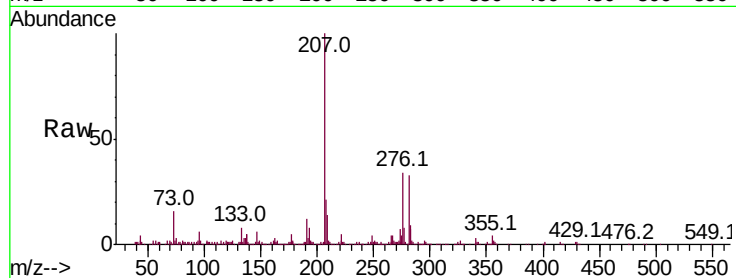
Tot Ion: 276 Resp: 140455

Ion Ratio Lower Upper

276 100

138 17.6 11.8 17.6

277 22.5 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

