

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052019\  
 Data File : BM020450.D  
 Acq On : 21 May 2019 05:24  
 Operator : JU/SJ  
 Sample : K2788-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A5191

Quant Time: May 21 08:47:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 08:36:13 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 80797    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 293758   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.38 | 164  | 172983   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 413255   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.32 | 240  | 434609   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.60 | 264  | 492045   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 7809   | 3.57  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 128116 | 19.88 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 83589  | 20.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 102992 | 21.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 85524  | 18.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 44371  | 23.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.61  | 143 | 49154  | 23.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 95927  | 21.52 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 52134  | 11.32 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 299777 | 24.09 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 359685 | 23.10 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 18857  | 10.43 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.37 | 176 | 271909 | 24.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 13946  | 5.92  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.23 | 188 | 420930 | 23.75 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.53 | 212 | 512864 | 24.50 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.45 | 264 | 540750 | 24.18 | ng/ul | 0.00 |

## Target Compounds

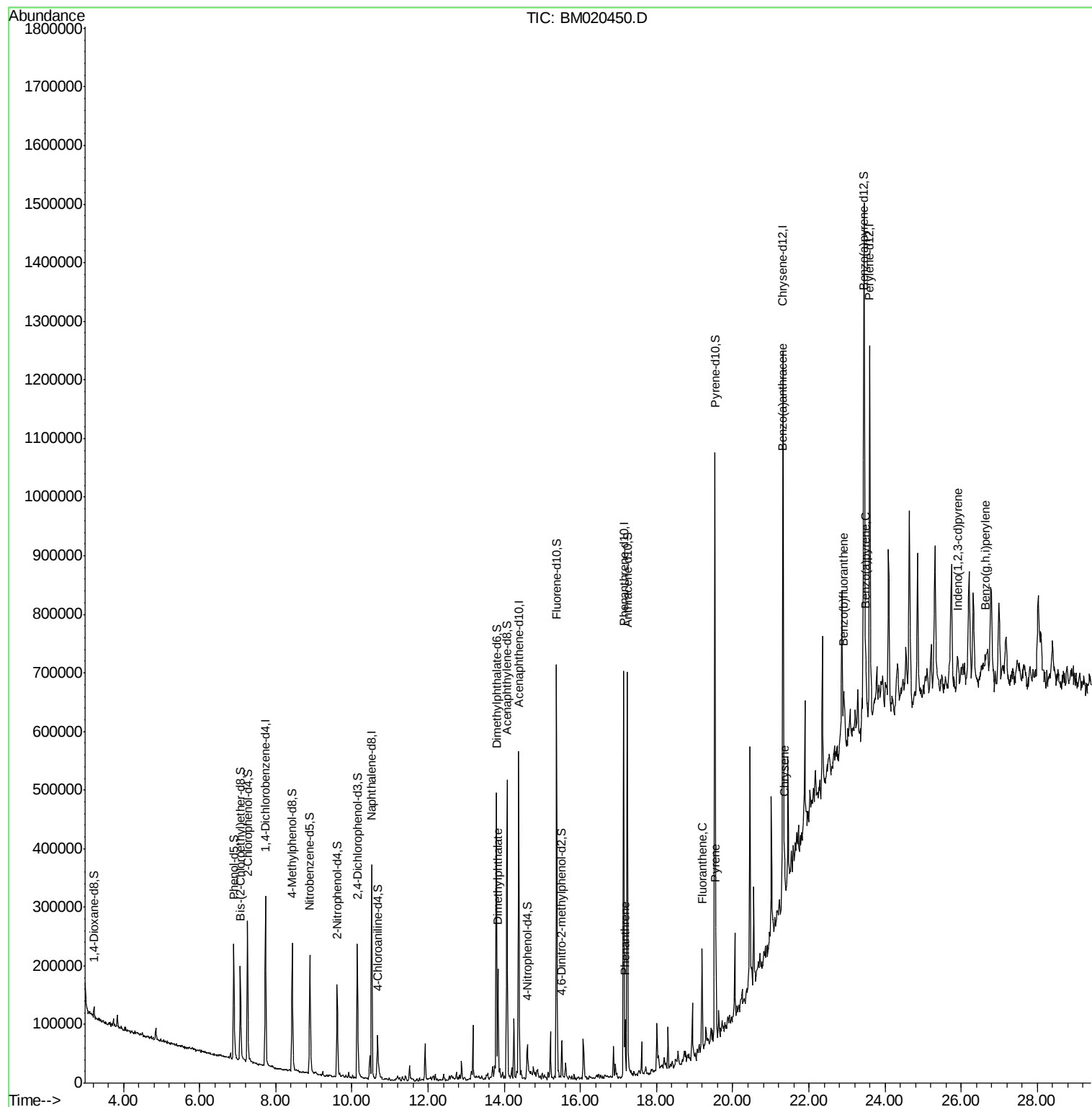
|                            |       |     |        |       | Ovalue    |
|----------------------------|-------|-----|--------|-------|-----------|
| 44) Dimethylphthalate      | 13.84 | 163 | 87860  | 7.136 | ng/ul 99  |
| 69) Phenanthrene           | 17.17 | 178 | 50291  | 2.554 | ng/ul 96  |
| 76) Fluoranthene           | 19.19 | 202 | 104779 | 4.213 | ng/ul 98  |
| 79) Pyrene                 | 19.56 | 202 | 92344  | 3.540 | ng/ul 97  |
| 82) Benzo(a)anthracene     | 21.31 | 228 | 52807  | 2.019 | ng/ul 96  |
| 84) Chrysene               | 21.36 | 228 | 55174  | 2.207 | ng/ul# 96 |
| 87) Benzo(b)fluoranthene   | 22.91 | 252 | 67636  | 2.408 | ng/ul# 84 |
| 90) Benzo(a)pyrene         | 23.50 | 252 | 47533  | 1.799 | ng/ul# 83 |
| 91) Indeno(1,2,3-cd)pyrene | 25.91 | 276 | 35900  | 1.192 | ng/ul# 89 |
| 93) Benzo(g,h,i)perylene   | 26.63 | 276 | 38682  | 1.552 | ng/ul# 84 |

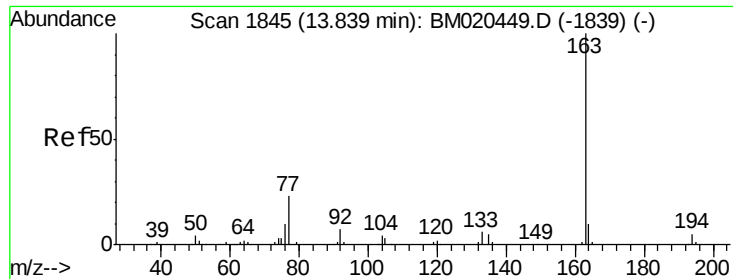
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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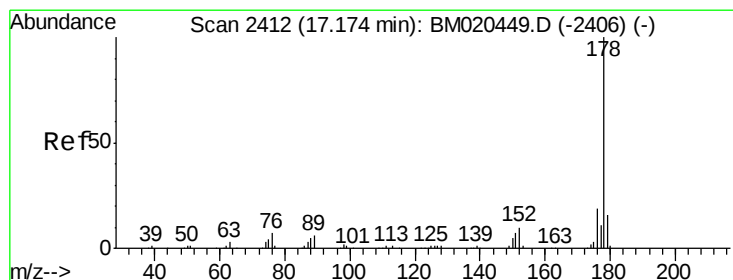
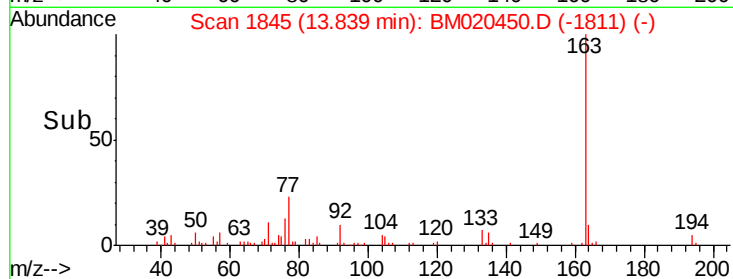
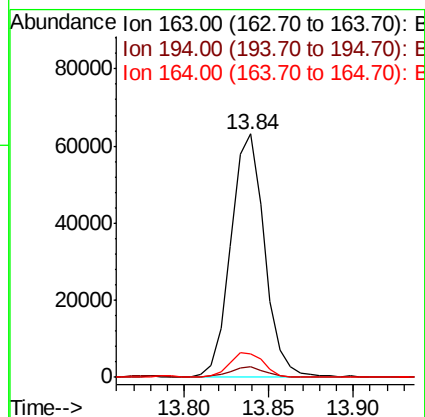
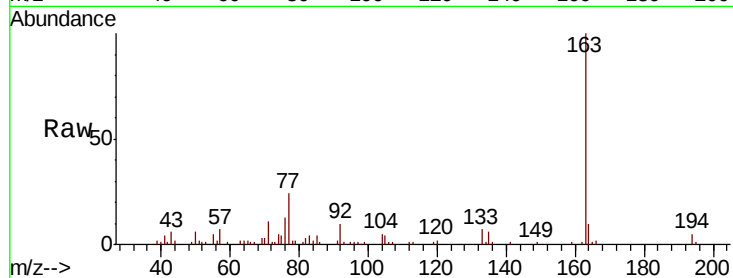




#44  
Dimethylphthalate  
Concen: 7.136 ng/ul  
RT: 13.84 min Scan# 1845  
Delta R.T. 0.00 min  
Lab File: BM020450.D  
Acq: 21 May 2019 05:24

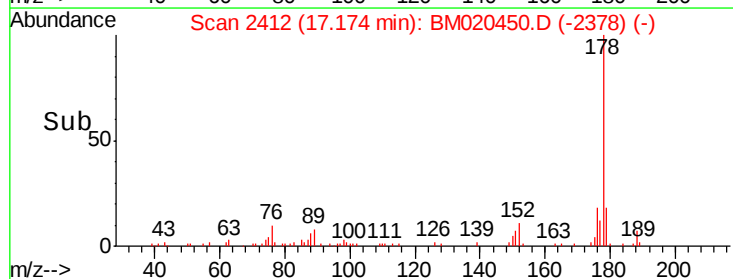
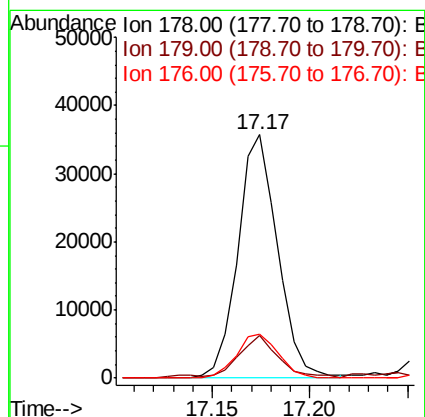
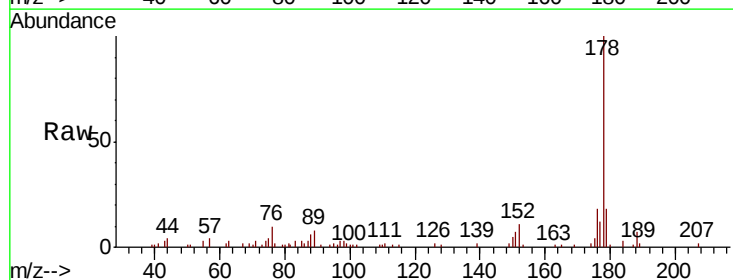
Instrument :  
BNA\_M  
ClientSampleId :  
A5191

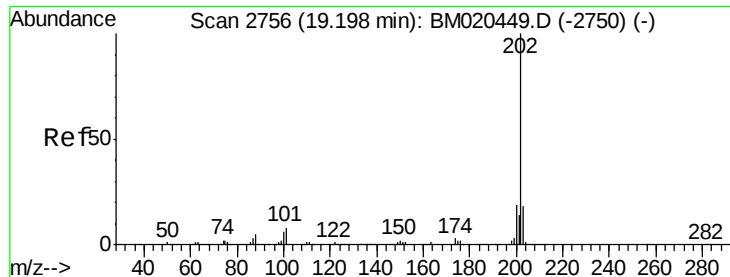
Tot Ion:163 Resp: 87860  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.3 4.9  
164 9.9 8.0 12.0



#69  
Phenanthrene  
Concen: 2.554 ng/ul  
RT: 17.17 min Scan# 2412  
Delta R.T. 0.00 min  
Lab File: BM020450.D  
Acq: 21 May 2019 05:24

Tgt Ion:178 Resp: 50291  
Ion Ratio Lower Upper  
178 100  
179 17.7 11.9 17.9  
176 17.8 14.6 22.0

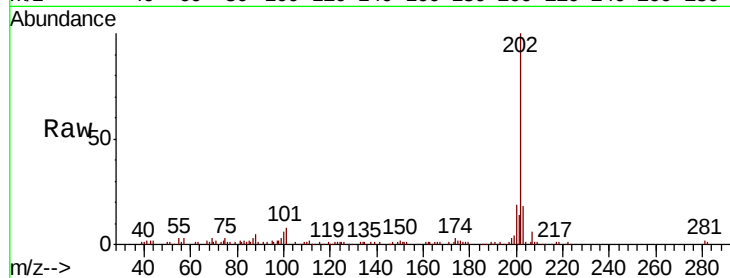




#76  
Fluoranthene  
Concen: 4.213 ng/ul  
RT: 19.19 min Scan# 2755  
Delta R.T. -0.01 min  
Lab File: BM020450.D  
Acq: 21 May 2019 05:24

Instrument :  
BNA\_M  
ClientSampleId :  
A5191

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.7   | 6.4   | 9.6   |
| 100     | 5.7   | 5.2   | 7.8   |

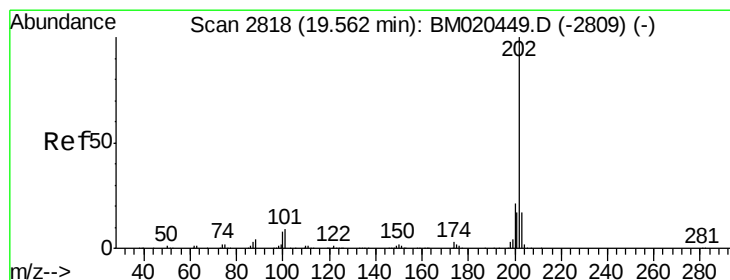
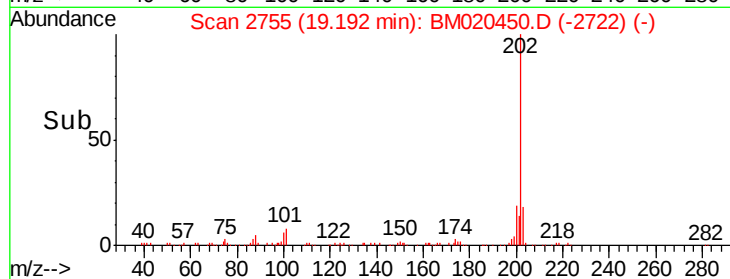
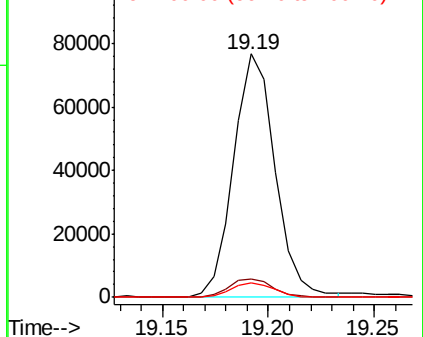


Abundance

Ion 202.00 (201.70 to 202.70): E

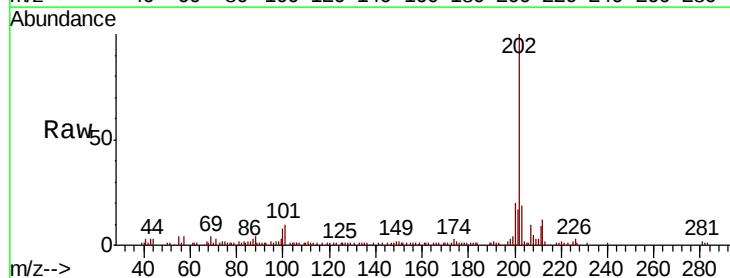
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79  
Pyrene  
Concen: 3.540 ng/ul  
RT: 19.56 min Scan# 2817  
Delta R.T. -0.01 min  
Lab File: BM020450.D  
Acq: 21 May 2019 05:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.0  | 7.1   | 10.7  |
| 100     | 8.5   | 5.9   | 8.9   |

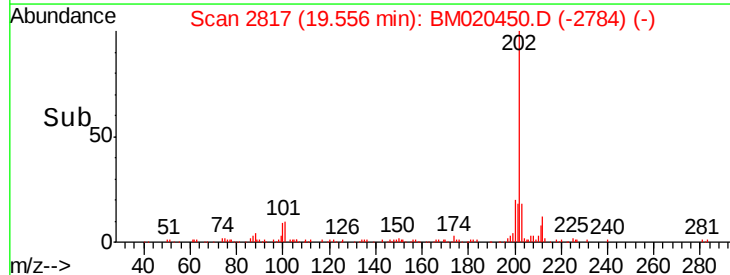
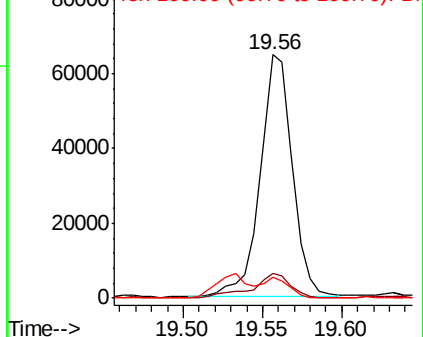


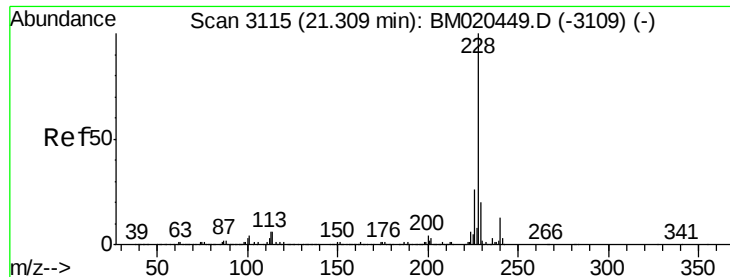
Abundance

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: 2.019 ng/ul

RT: 21.31 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BM020450.D

Acq: 21 May 2019 05:24

Instrument :

BNA\_M

ClientSampled :

A5191

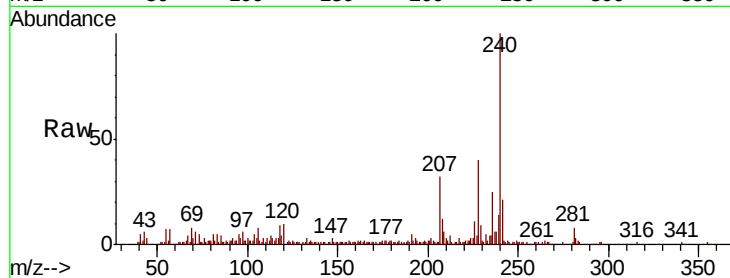
Tot Ion:228 Resp: 52807

Ion Ratio Lower Upper

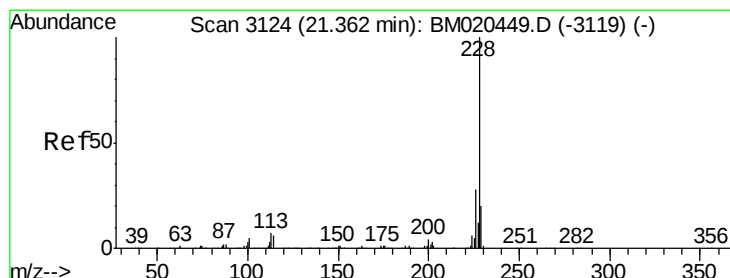
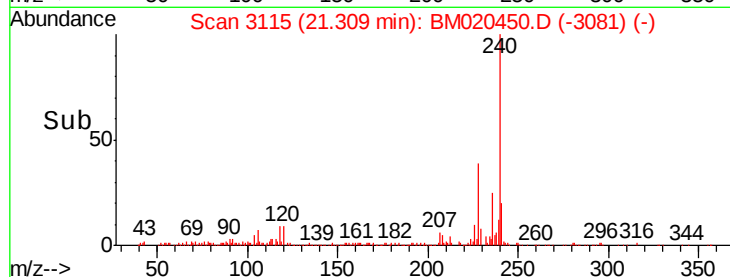
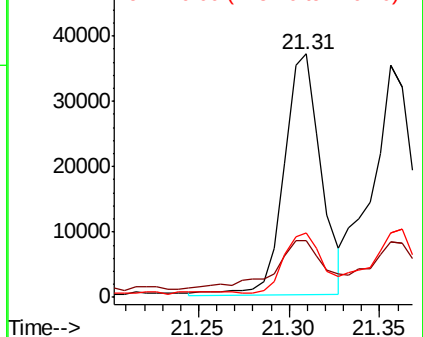
228 100

229 23.2 15.8 23.8

226 26.5 20.6 30.8



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: 2.207 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM020450.D

Acq: 21 May 2019 05:24

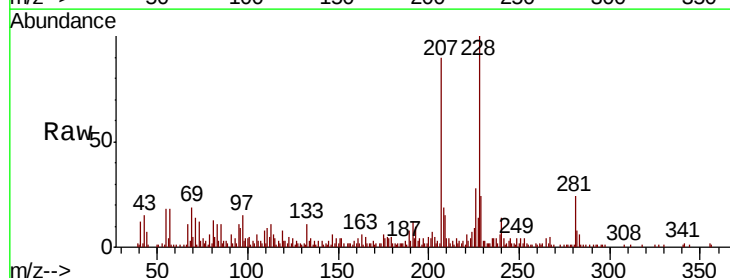
Tgt Ion:228 Resp: 55174

Ion Ratio Lower Upper

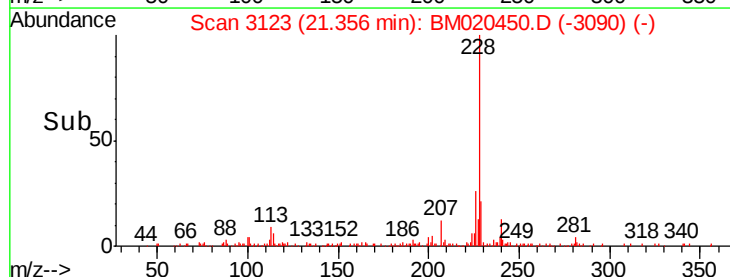
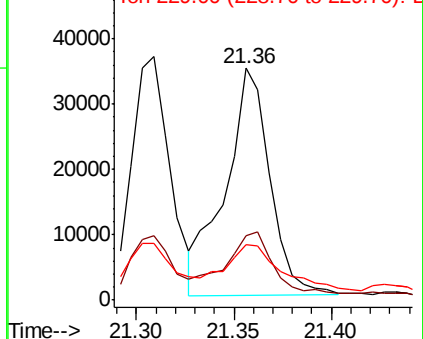
228 100

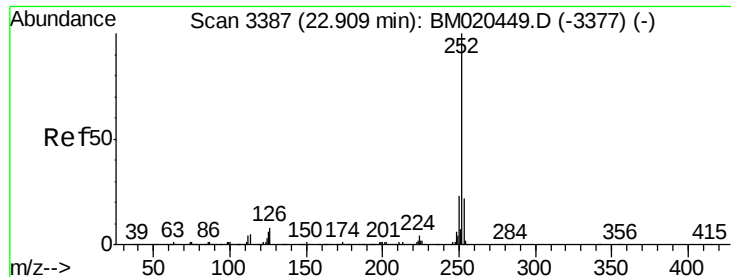
226 27.9 22.2 33.4

229 23.9 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: 2.408 ng/ul

RT: 22.91 min Scan# 3387

Delta R.T. 0.00 min

Lab File: BM020450.D

Acq: 21 May 2019 05:24

Instrument :

BNA\_M

ClientSampleId :

A5191

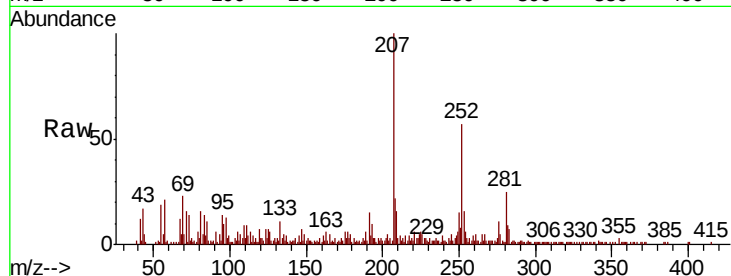
Tot Ion:252 Resp: 67636

Ion Ratio Lower Upper

252 100

253 28.5 17.0 25.6#

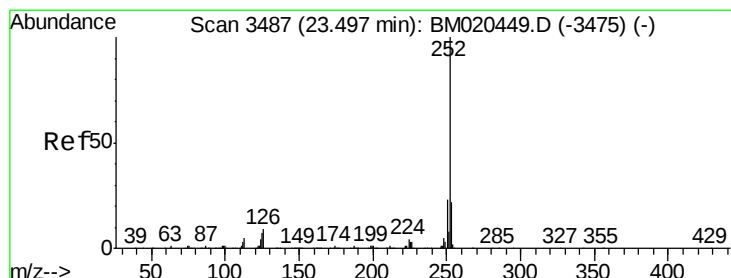
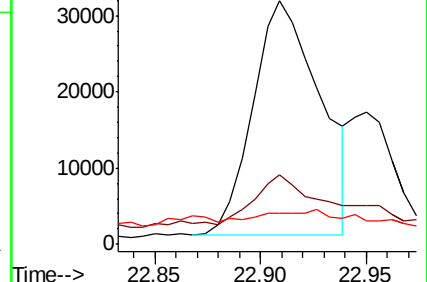
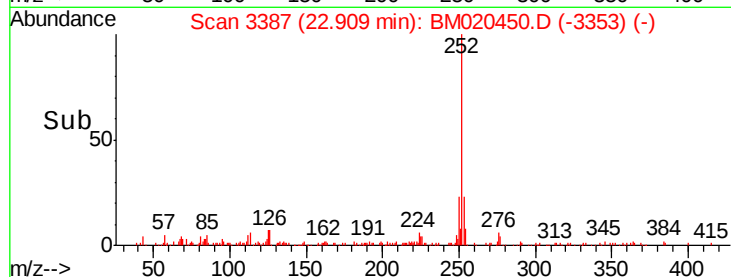
125 13.0 5.0 7.4#



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



#90

Benzo(a)pyrene

Concen: 1.799 ng/ul

RT: 23.50 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BM020450.D

Acq: 21 May 2019 05:24

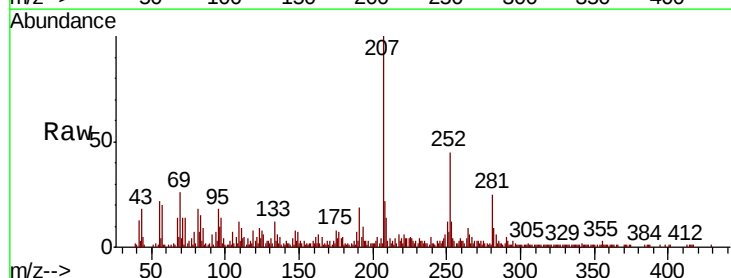
Tgt Ion:252 Resp: 47533

Ion Ratio Lower Upper

252 100

253 27.8 17.4 26.2#

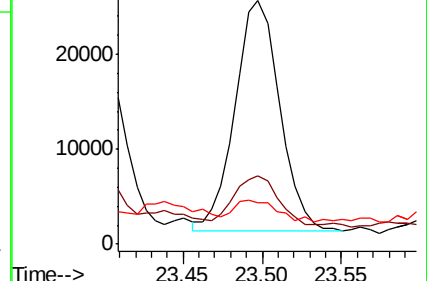
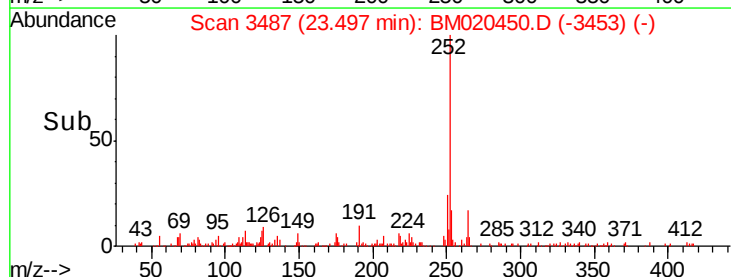
125 17.0 5.4 8.2#

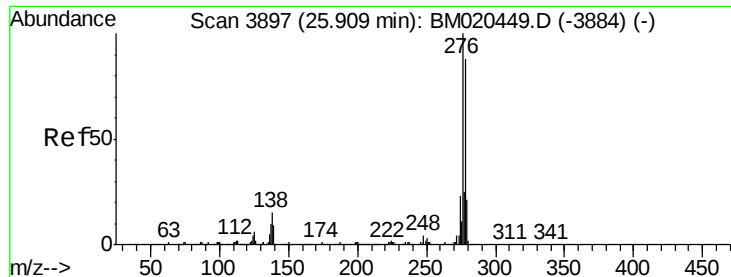


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.192 ng/ul

RT: 25.91 min Scan# 3897

Delta R.T. 0.00 min

Lab File: BM020450.D

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BNA\_M

ClientSampleId :

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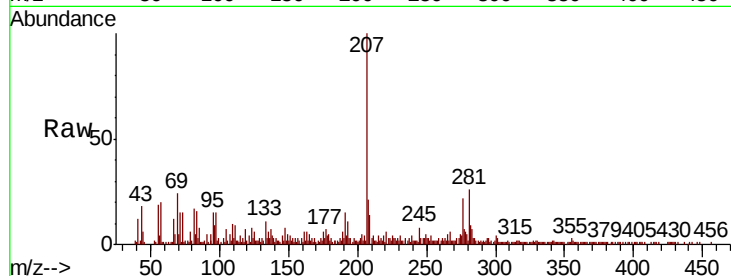
Tot Ion:276 Resp: 35900

Ion Ratio Lower Upper

276 100

138 18.8 12.3 18.5#

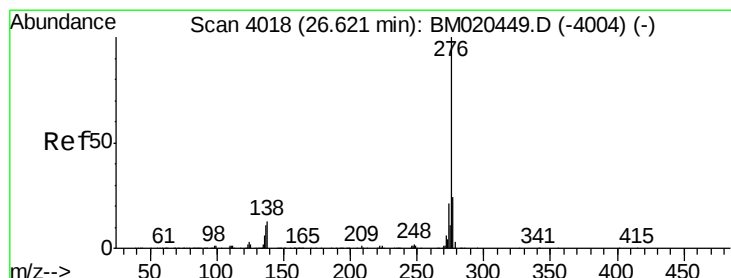
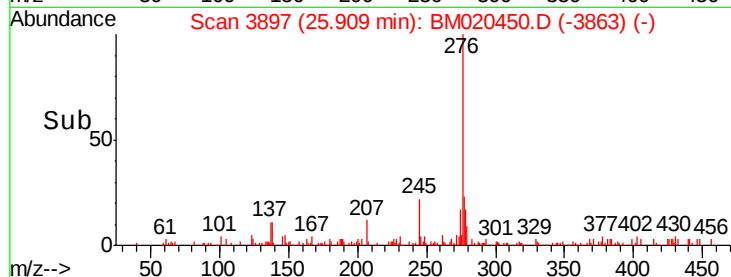
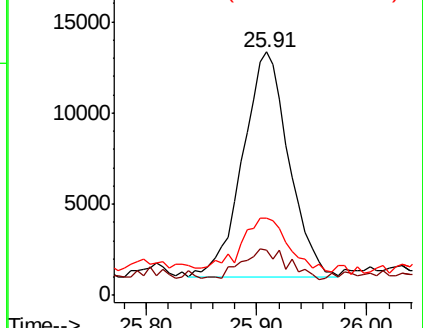
277 31.7 20.0 30.0#



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



#93

Benzo(g,h,i)perylene

Concen: 1.552 ng/ul

RT: 26.63 min Scan# 4019

Delta R.T. 0.01 min

Lab File: BM020450.D

Acq: 21 May 2019 05:24

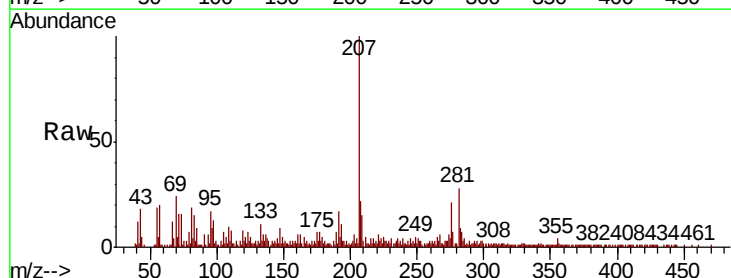
Tgt Ion:276 Resp: 38682

Ion Ratio Lower Upper

276 100

138 18.3 10.0 15.0#

277 31.1 18.2 27.4#



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

