

Data File : BM024870.D  
Acq On : 14 Feb 2020 00:03  
Operator : CG/JU  
Sample : L1404-13  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB6N7

Quant Time: Feb 14 06:04:04 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 14 05:59:53 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 323390   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.15 | 136  | 1164358  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.04 | 164  | 702572   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.80 | 188  | 1443454  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.01 | 240  | 1407477  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.11 | 264  | 1511954  | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 49392   | 7.35  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.59  | 99  | 720189  | 33.52 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.75  | 67  | 480364  | 39.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.94  | 132 | 626320  | 32.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.11  | 113 | 497962  | 27.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.53  | 128 | 313786  | 37.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.25  | 143 | 365643  | 36.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.78  | 165 | 595419  | 29.67 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.29 | 131 | 691457  | 36.83 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.47 | 166 | 1934297 | 36.47 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.73 | 160 | 2043099 | 32.99 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.27 | 143 | 274210  | 31.82 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.04 | 176 | 1548696 | 32.98 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.18 | 200 | 305401  | 32.46 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.90 | 188 | 2123814 | 32.23 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.20 | 212 | 2348025 | 33.35 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.98 | 264 | 2390109 | 31.48 | ng/ul | 0.00 |

Target Compounds

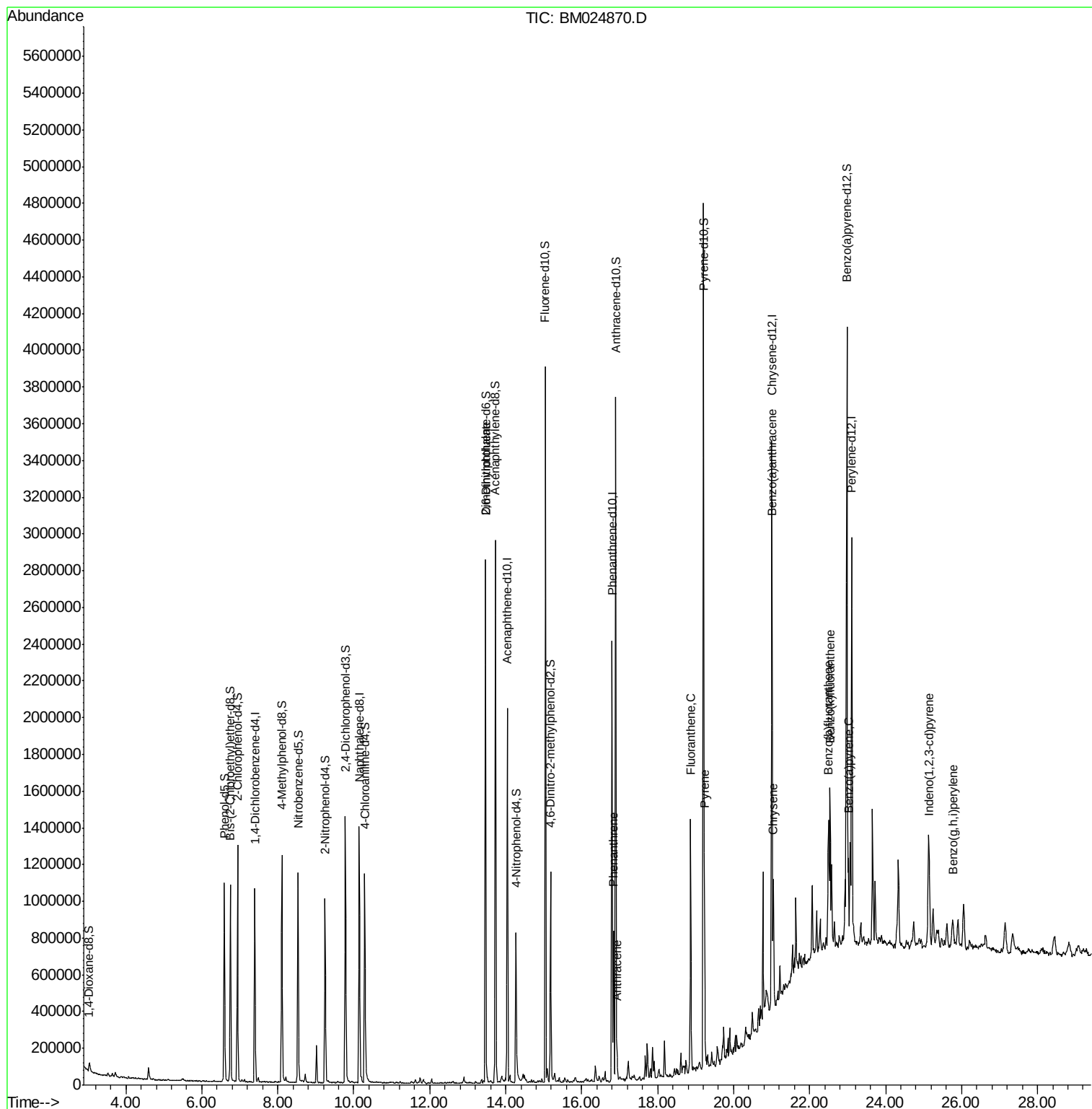
|                            |       |     |        |       | Qvalue |     |
|----------------------------|-------|-----|--------|-------|--------|-----|
| 46) 2,6-Dinitrotoluene     | 13.47 | 165 | 14915  | 1.333 | ng/ul# | 46  |
| 70) Phenanthrene           | 16.84 | 178 | 475897 | 6.047 | ng/ul  | 100 |
| 72) Anthracene             | 16.93 | 178 | 82909  | 1.039 | ng/ul  | 97  |
| 77) Fluoranthene           | 18.87 | 202 | 843994 | 8.735 | ng/ul# | 96  |
| 80) Pyrene                 | 19.23 | 202 | 686672 | 7.371 | ng/ul# | 94  |
| 83) Benzo(a)anthracene     | 21.00 | 228 | 428053 | 4.515 | ng/ul  | 98  |
| 85) Chrysene               | 21.04 | 228 | 434763 | 4.658 | ng/ul  | 99  |
| 88) Benzo(b)fluoranthene   | 22.50 | 252 | 565715 | 5.884 | ng/ul# | 98  |
| 89) Benzo(k)fluoranthene   | 22.53 | 252 | 200754 | 2.169 | ng/ul# | 96  |
| 91) Benzo(a)pyrene         | 23.02 | 252 | 322060 | 3.736 | ng/ul  | 99  |
| 92) Indeno(1,2,3-cd)pyrene | 25.16 | 276 | 254647 | 2.373 | ng/ul  | 99  |
| 94) Benzo(g,h,i)perylene   | 25.77 | 276 | 180828 | 2.026 | ng/ul  | 98  |

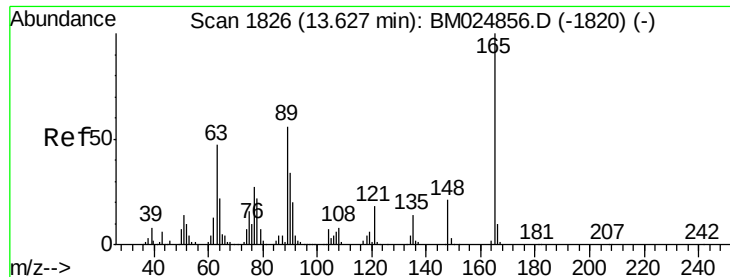
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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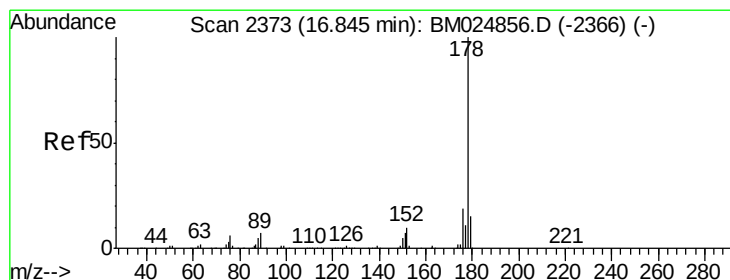
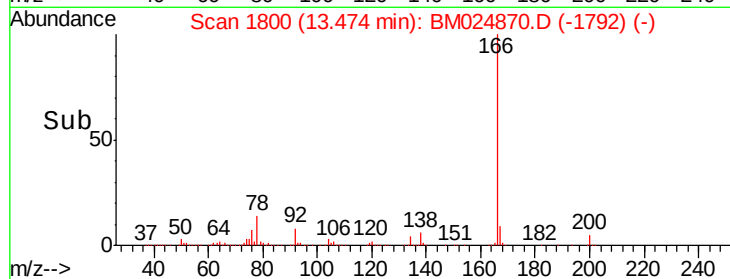
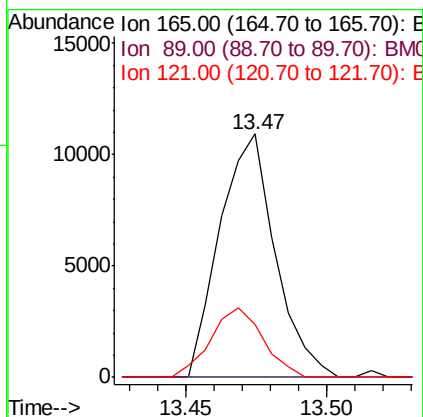
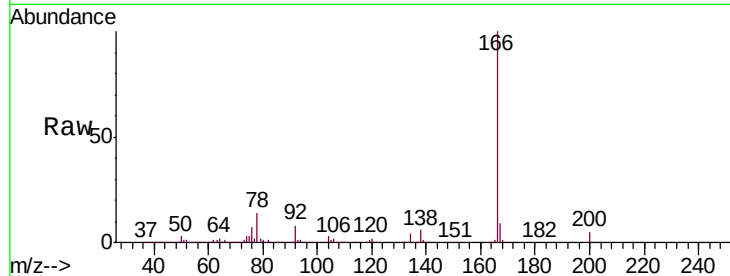




#46  
 2,6-Dinitrotoluene  
 Concen: 1.333 ng/ul  
 RT: 13.47 min Scan# 1800  
 Delta R.T. -0.15 min  
 Lab File: BM024870.D  
 Acq: 14 Feb 2020 00:03

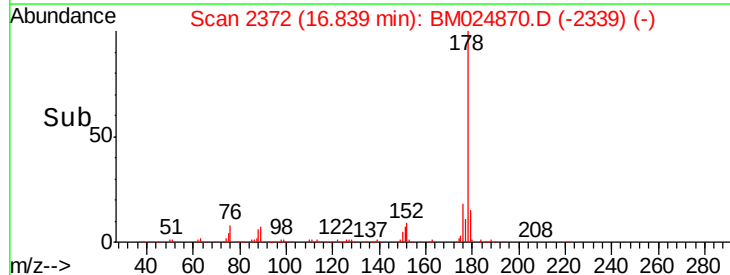
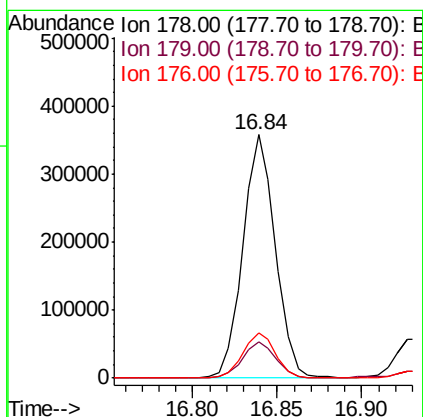
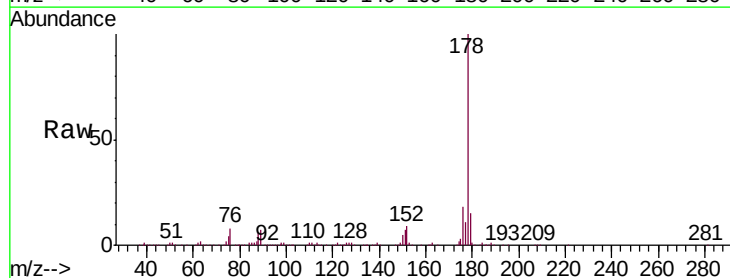
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB6N7

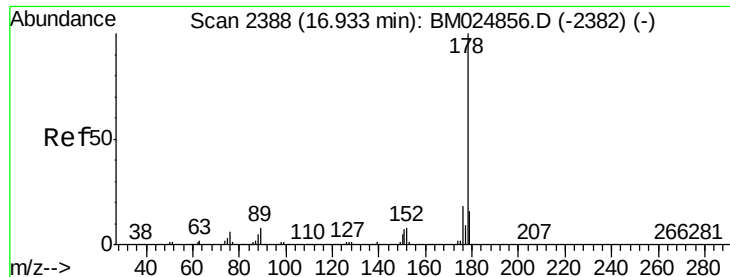
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 0.0   | 38.4  | 57.6# |
| 121     | 21.5  | 14.1  | 21.1# |



#70  
 Phenanthrene  
 Concen: 6.047 ng/ul  
 RT: 16.84 min Scan# 2372  
 Delta R.T. -0.01 min  
 Lab File: BM024870.D  
 Acq: 14 Feb 2020 00:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.1  | 12.2  | 18.2  |
| 176     | 18.3  | 14.5  | 21.7  |

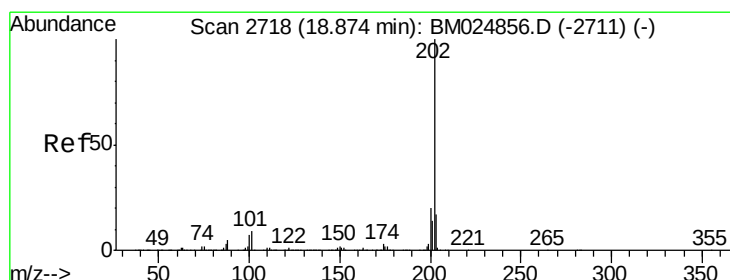
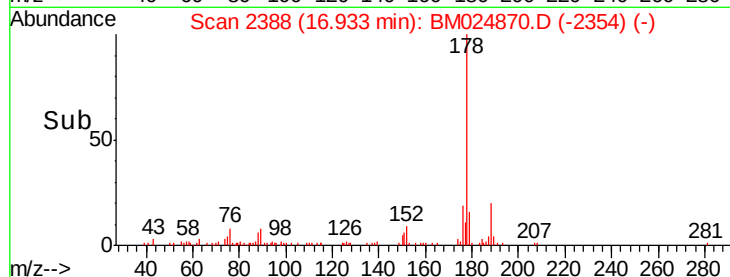
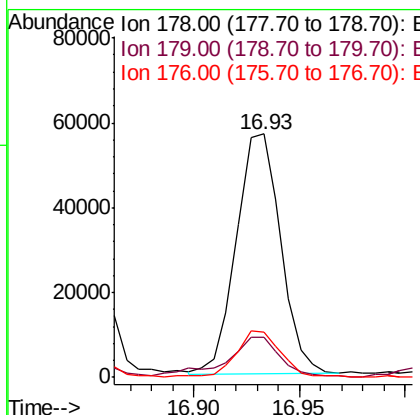
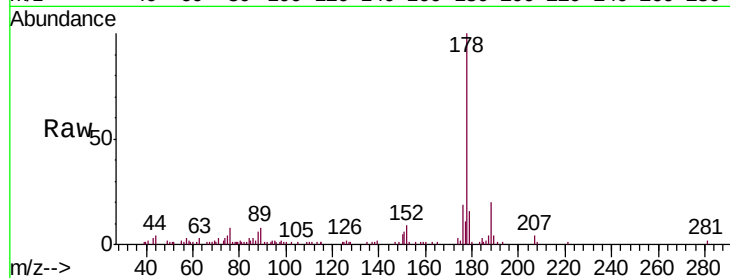




#72  
 Anthracene  
 Concen: 1.039 ng/ul  
 RT: 16.93 min Scan# 2388  
 Delta R.T. 0.00 min  
 Lab File: BM024870.D  
 Acq: 14 Feb 2020 00:03

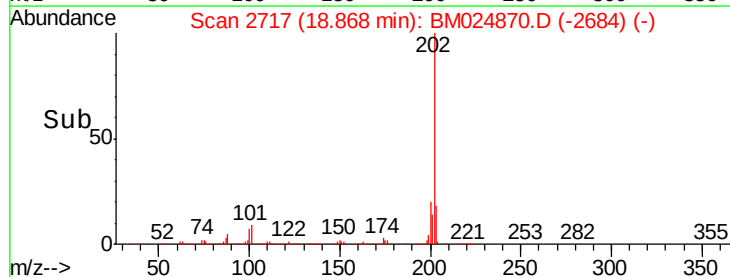
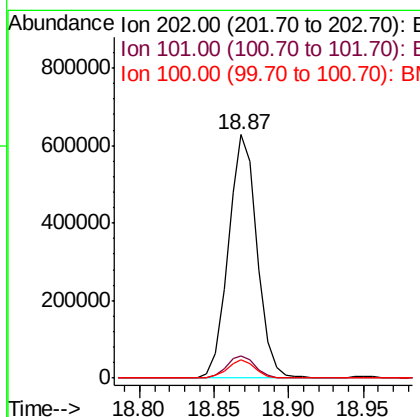
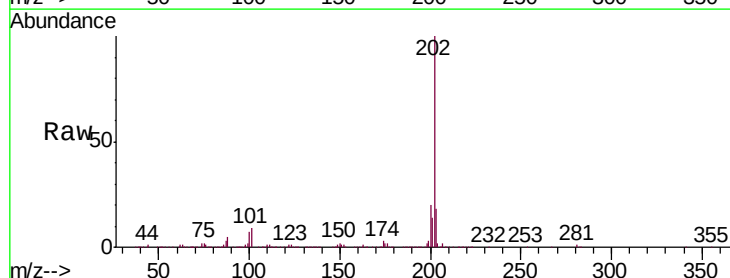
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB6N7

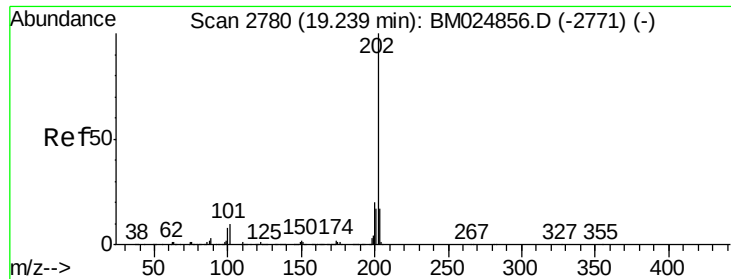
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.4  | 12.3  | 18.5  |
| 176     | 18.8  | 14.1  | 21.1  |



#77  
 Fluoranthene  
 Concen: 8.735 ng/ul  
 RT: 18.87 min Scan# 2717  
 Delta R.T. -0.01 min  
 Lab File: BM024870.D  
 Acq: 14 Feb 2020 00:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.0   | 6.1   | 9.1   |
| 100     | 7.3   | 4.8   | 7.2#  |

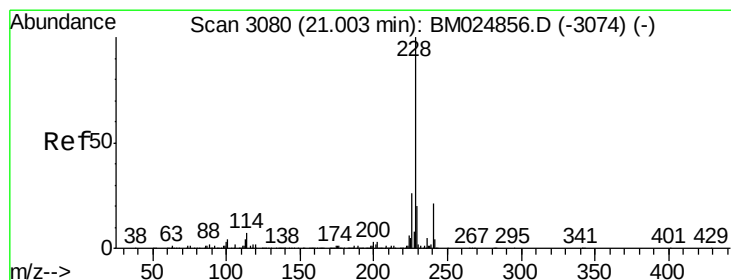
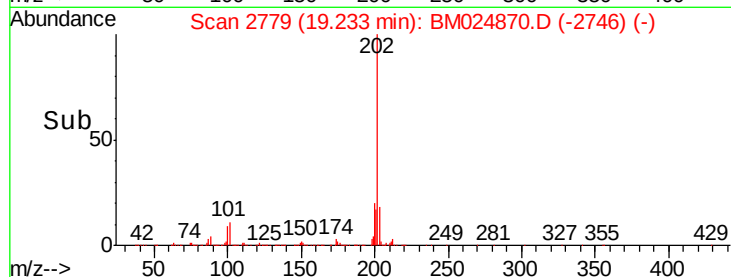
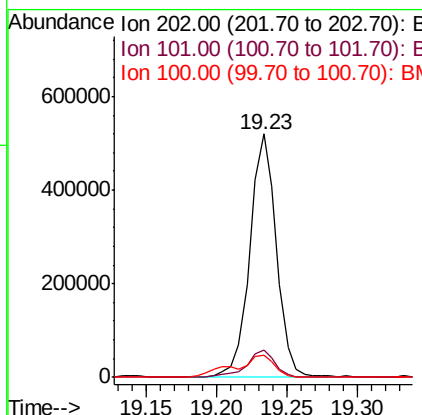
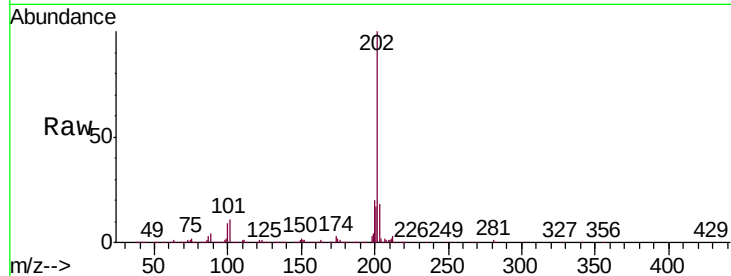




#80  
 Pyrene  
 Concen: 7.371 ng/ul  
 RT: 19.23 min Scan# 2779  
 Delta R.T. -0.01 min  
 Lab File: BM024870.D  
 Acq: 14 Feb 2020 00:03

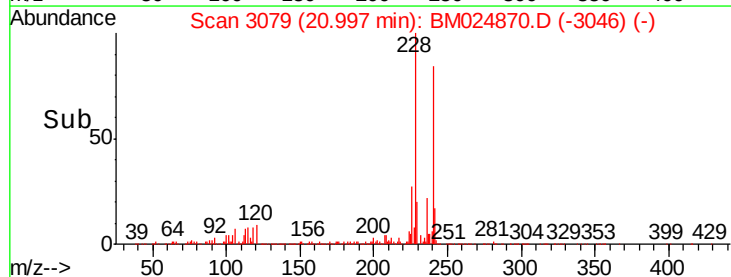
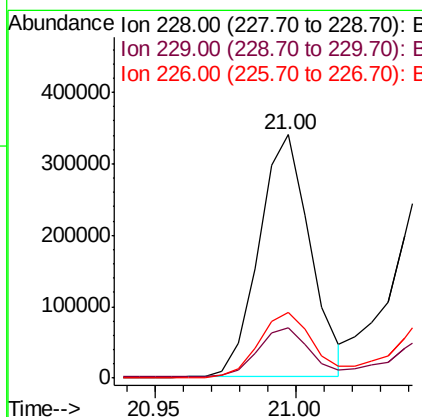
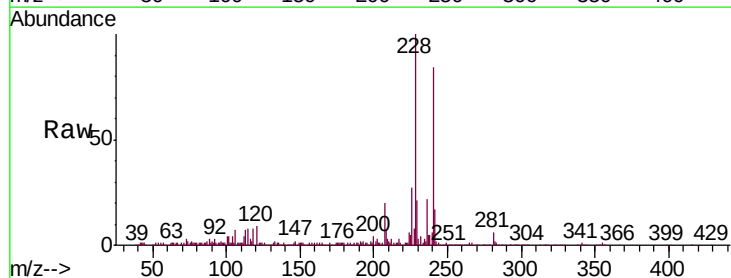
Instrument :  
 BNA\_M  
 ClientSampleId :  
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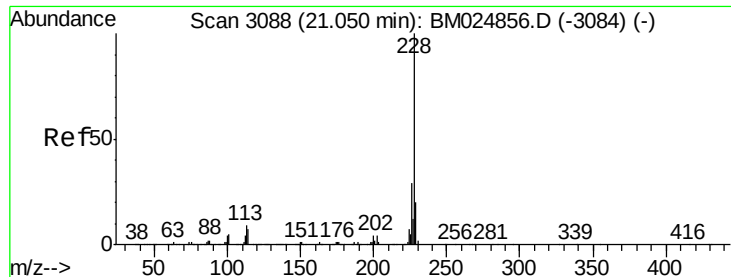
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.0  | 7.0   | 10.4# |
| 100     | 9.0   | 5.8   | 8.8#  |



#83  
 Benzo(a)anthracene  
 Concen: 4.515 ng/ul  
 RT: 21.00 min Scan# 3079  
 Delta R.T. -0.01 min  
 Lab File: BM024870.D  
 Acq: 14 Feb 2020 00:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.8  | 15.9  | 23.9  |
| 226     | 27.2  | 20.8  | 31.2  |





#85

Chrysene

Concen: 4.658 ng/ul

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM024870.D

Acq: 14 Feb 2020 00:03

Instrument :

BNA\_M

ClientSampleId :

CB6N7

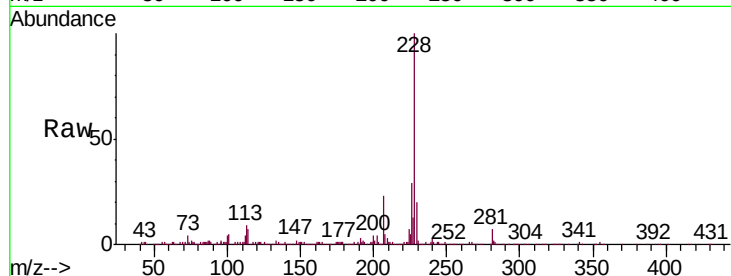
Tgt Ion:228 Resp: 434763

Ion Ratio Lower Upper

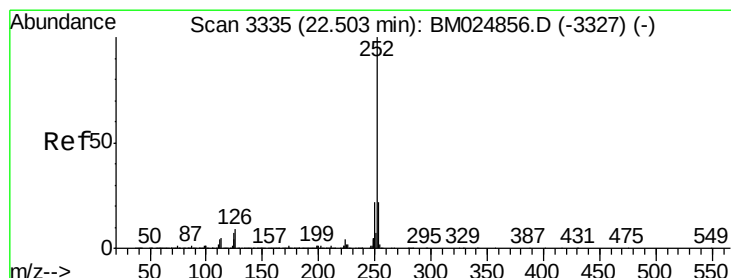
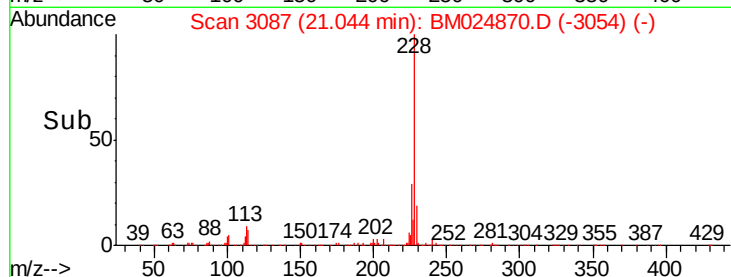
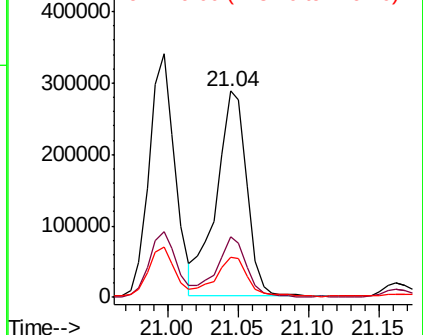
228 100

226 29.1 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: 5.884 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BM024870.D

Acq: 14 Feb 2020 00:03

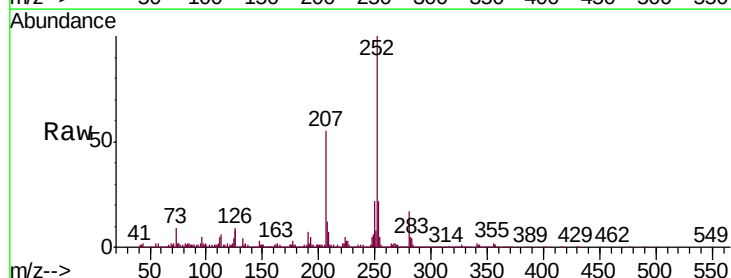
Tgt Ion:252 Resp: 565715

Ion Ratio Lower Upper

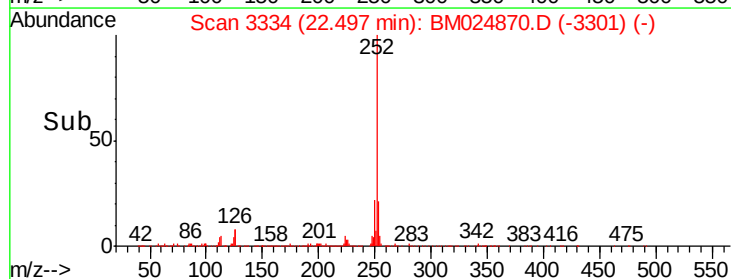
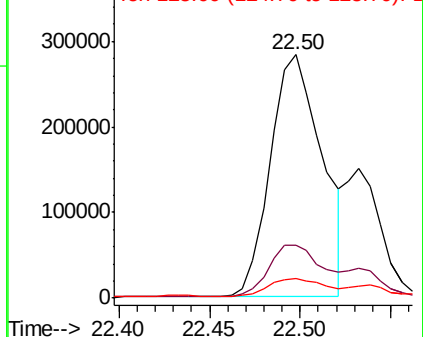
252 100

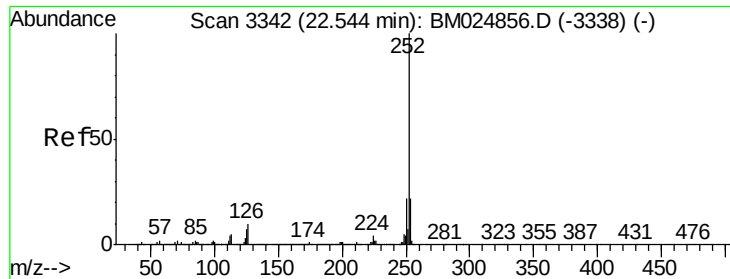
253 21.9 17.3 25.9

125 8.1 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





#89

Benzo(k)fluoranthene

Concen: 2.169 ng/ul

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024870.D

Acq: 14 Feb 2020 00:03

Instrument :

BNA\_M

ClientSampleId :

CB6N7

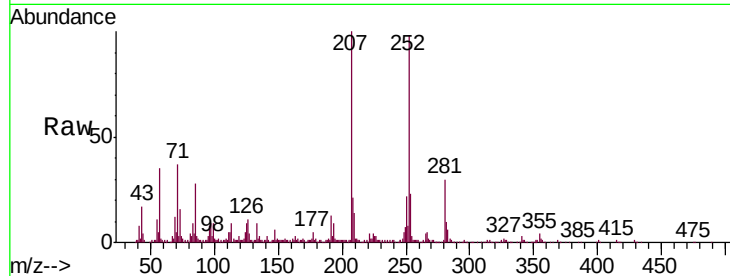
Tgt Ion:252 Resp: 200754

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

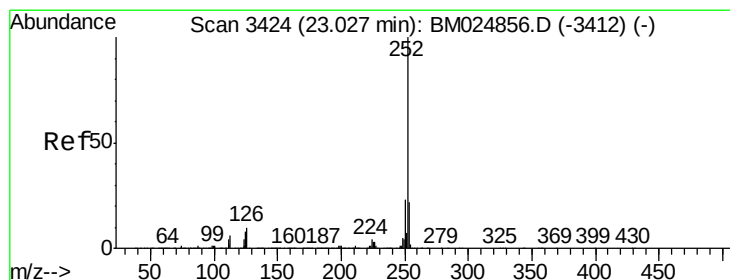
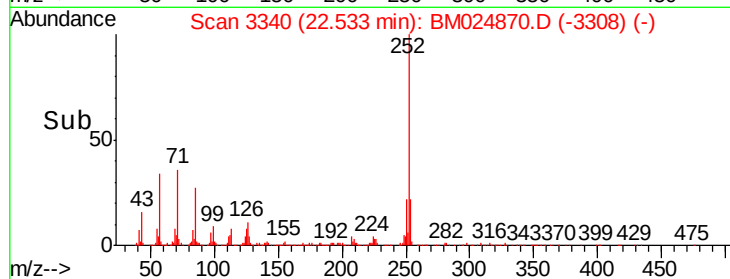
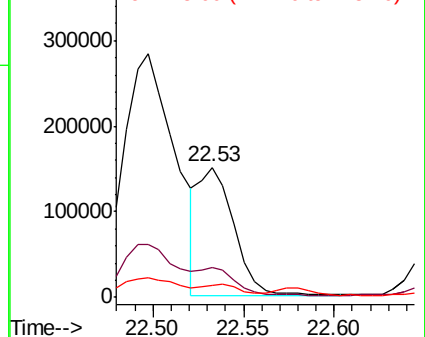
125 9.1 5.1 7.7#



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: 3.736 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM024870.D

Acq: 14 Feb 2020 00:03

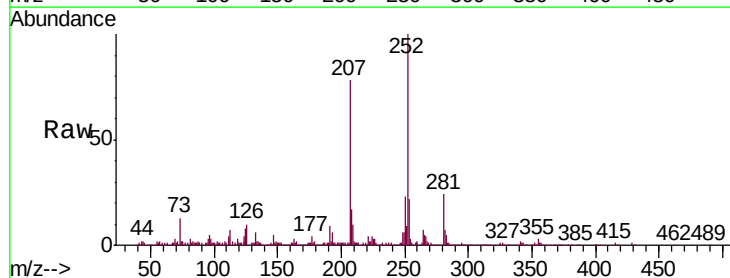
Tgt Ion:252 Resp: 322060

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

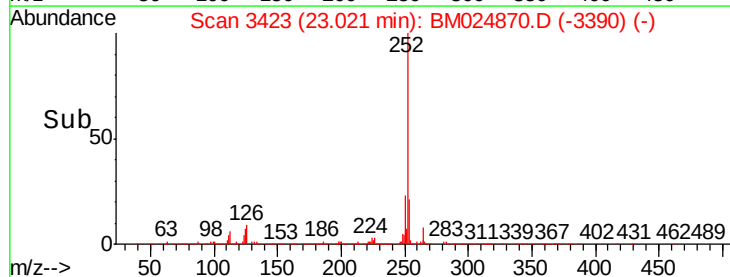
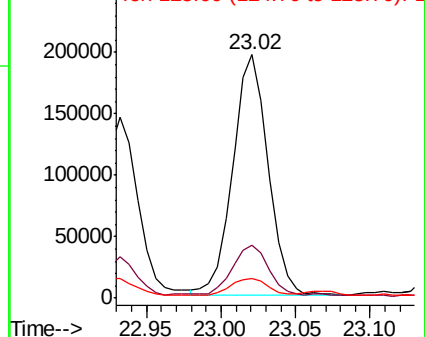
125 8.0 5.6 8.4

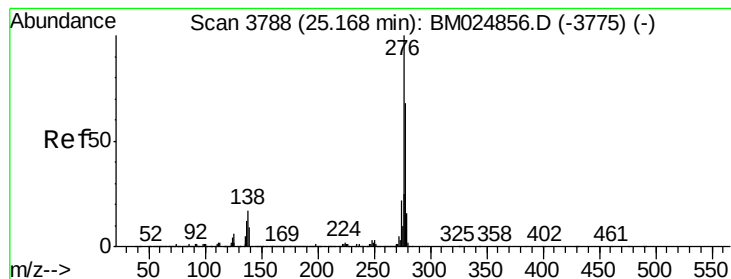


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



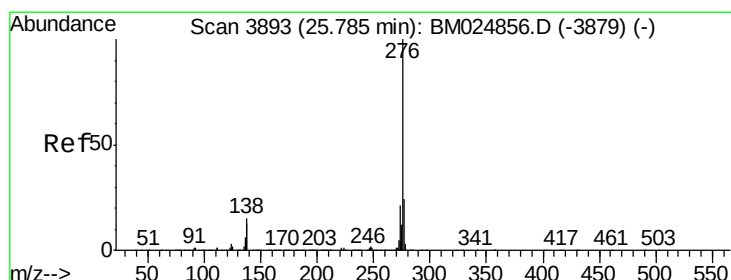
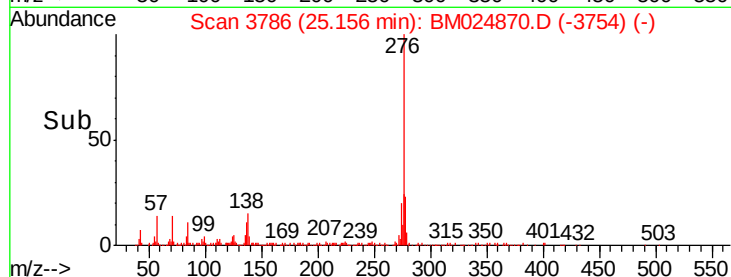
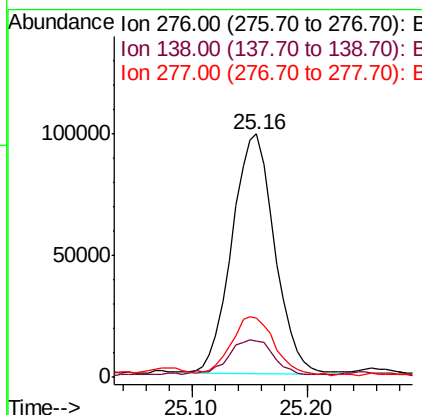
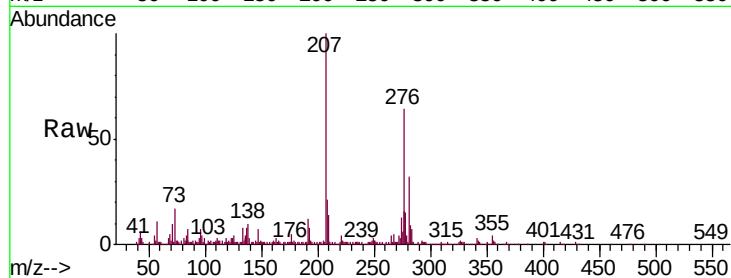


#92

Indeno(1,2,3-cd)pyrene  
Concen: 2.373 ng/ul  
RT: 25.16 min Scan# 3786  
Delta R.T. -0.01 min  
Lab File: BM024870.D  
Acq: 14 Feb 2020 00:03

Instrument :  
BNA\_M  
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CB6N7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.2  | 12.8  | 19.2  |
| 277     | 24.6  | 19.3  | 28.9  |



#94

Benzo(g,h,i)perylene  
Concen: 2.026 ng/ul  
RT: 25.77 min Scan# 3890  
Delta R.T. -0.02 min  
Lab File: BM024870.D  
Acq: 14 Feb 2020 00:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.7  | 11.8  | 17.6  |
| 277     | 24.4  | 19.0  | 28.6  |

