

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
 Data File : BM021798.D  
 Acq On : 04 Aug 2019 06:17  
 Operator : HP/JU  
 Sample : K3863-03  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A52F8

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Quant Time: Aug 04 09:22:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 04 04:24:24 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.64  | 152  | 1113     | 0.40   | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.41 | 136  | 4507     | 0.40   | ng/ul  | -0.03    |
| 6) Acenaphthene-d10         | 14.29 | 164  | 2696     | 0.40   | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 6755m    | 0.40   | ng/ul  | -0.03    |
| 16) Chrysene-d12            | 21.24 | 240  | 6940m    | 0.40   | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.46 | 264  | 7136m    | 0.40   | ng/ul  | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 1738     | 0.23   | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.08 | 212  | 5380m    | 0.24   | ng/ul  | -0.02    |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 12) Phenanthrene            | 17.08 | 178  | 2186     | 0.111  | ng/ul  | 96       |
| 15) Fluoranthene            | 19.11 | 202  | 6892m    | 0.262  | ng/ul  |          |
| 17) Pyrene                  | 19.47 | 202  | 6620     | 0.232  | ng/ul# | 96       |
| 18) Benzo(a)anthracene      | 21.23 | 228  | 2311     | 0.093  | ng/ul  | 91       |
| 19) Chrysene                | 21.28 | 228  | 3738m    | 0.117  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 22.79 | 252  | 4939m    | 0.205  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.83 | 252  | 1850m    | 0.068  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.36 | 252  | 3028m    | 0.124  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.69 | 276  | 2450m    | 0.084  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.37 | 276  | 2495m    | 0.095  | ng/ul  |          |

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

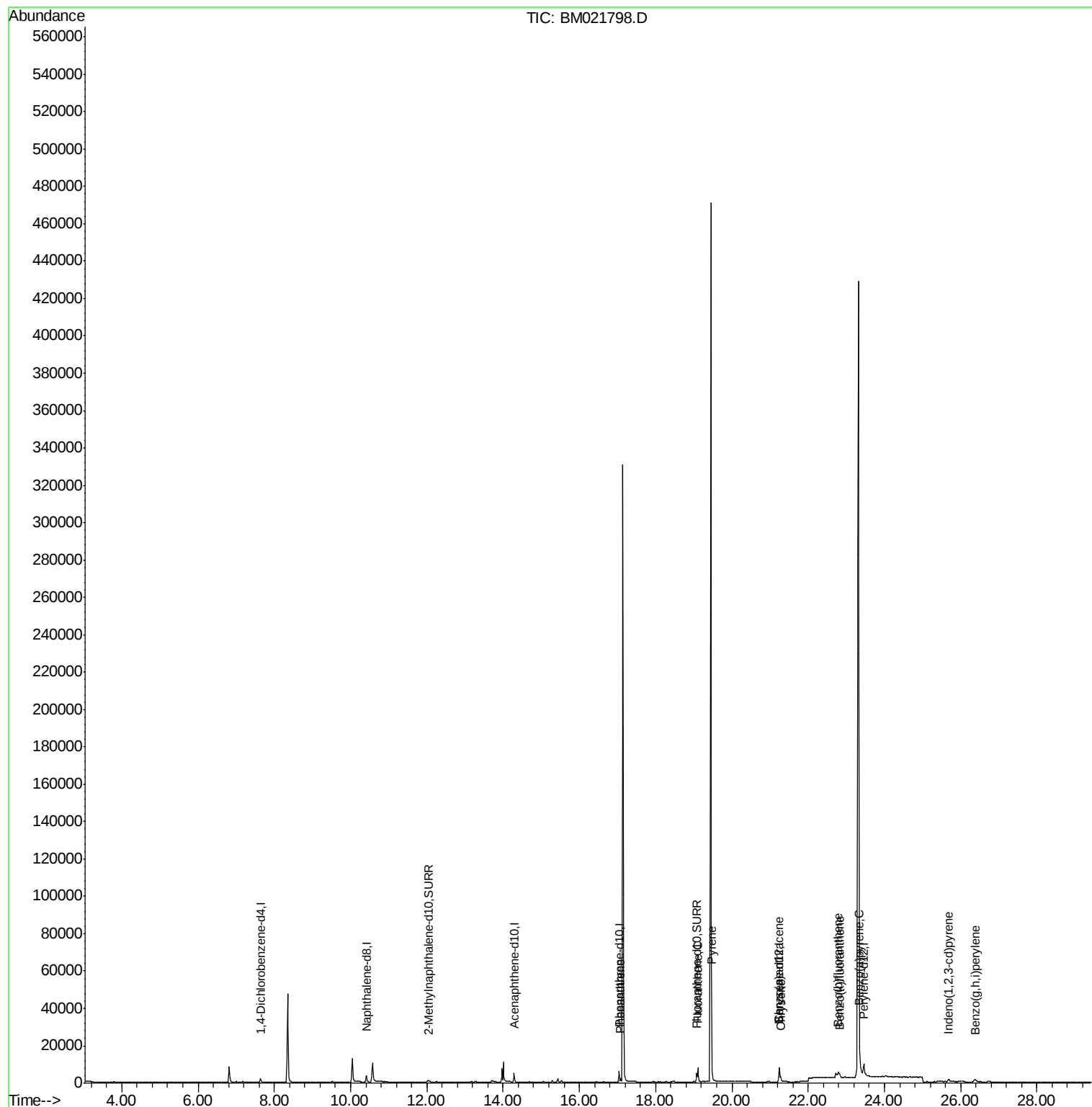
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Data File : BM021798.D  
Acq On : 04 Aug 2019 06:17  
Operator : HP/JU  
Sample : K3863-03  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

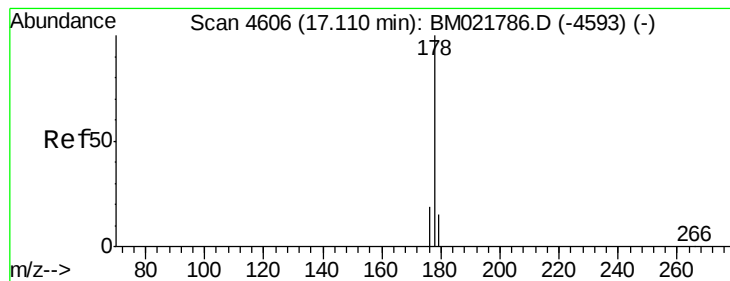
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 04 04:24:24 2019  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.111 ng/ul

RT: 17.08 min Scan# 4598

Delta R.T. -0.03 min

Lab File: BM021798.D

Acq: 04 Aug 2019 06:17

Instrument :

BNA\_M

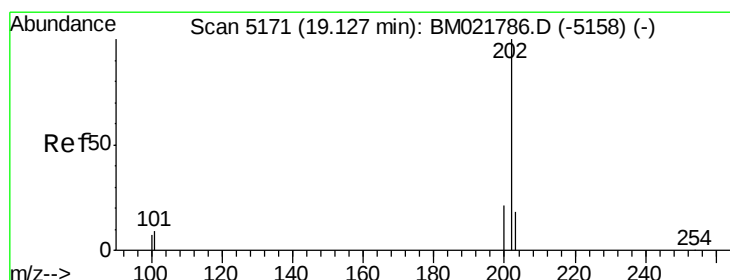
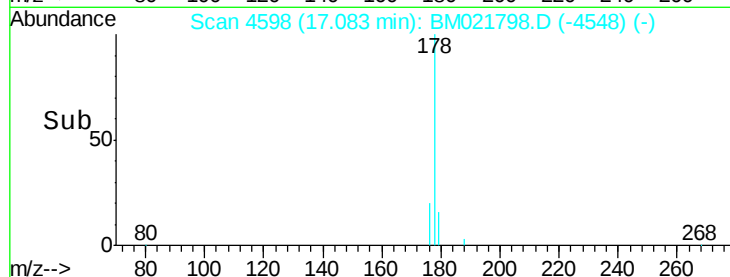
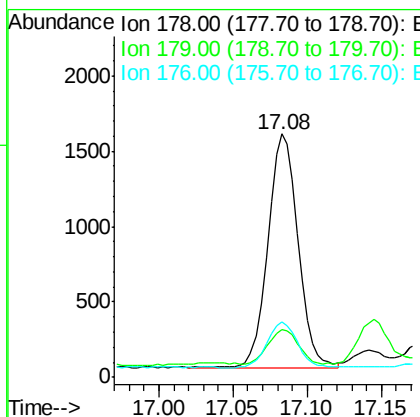
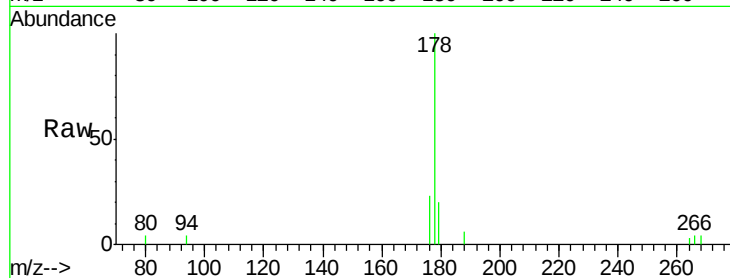
ClientSampleId :

A52F8

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 2186 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 19.9  | 14.2  | 21.2 |
| 176       | 22.8  | 16.8  | 25.2 |

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#15

Fluoranthene

Concen: 0.262 ng/ul m

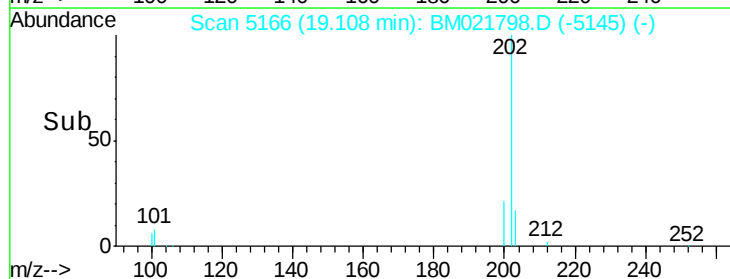
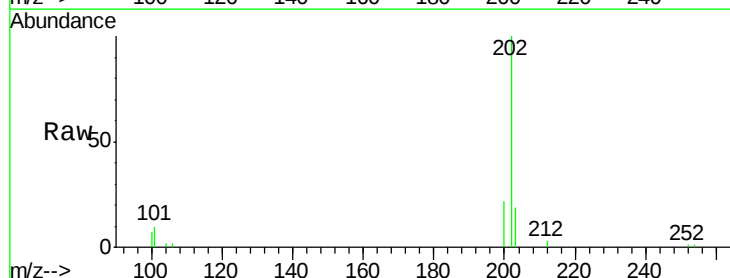
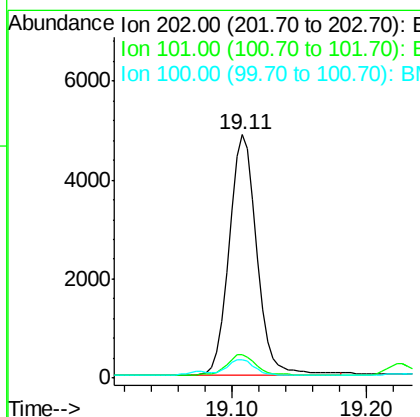
RT: 19.11 min Scan# 5166

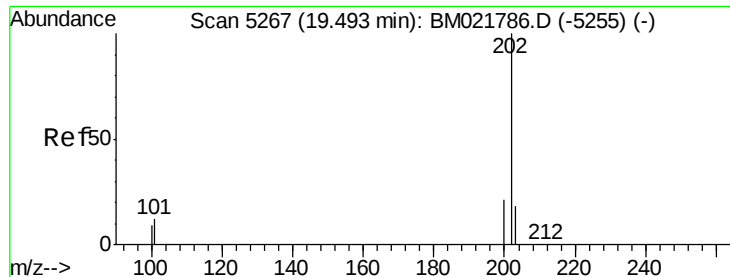
Delta R.T. -0.02 min

Lab File: BM021798.D

Acq: 04 Aug 2019 06:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 6892 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 9.6   | 0.0   | 30.2 |
| 100       | 7.3   | 0.0   | 28.1 |





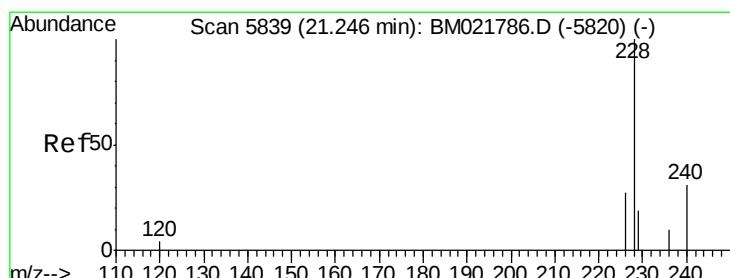
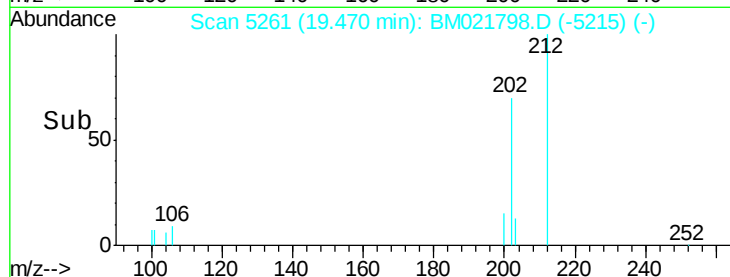
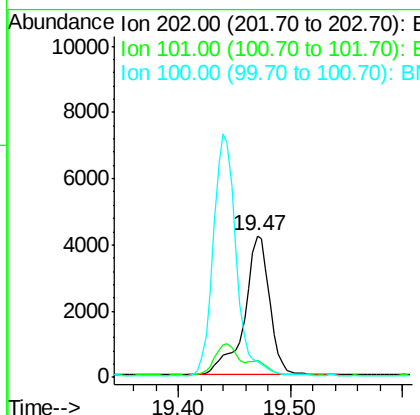
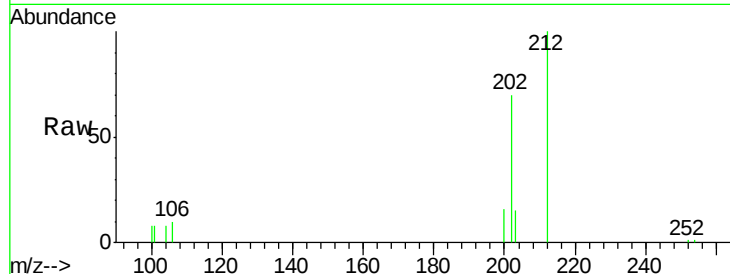
#17  
 Pyrene  
 Concen: 0.232 ng/ul  
 RT: 19.47 min Scan# 5261  
 Delta R.T. -0.02 min  
 Lab File: BM021798.D  
 Acq: 04 Aug 2019 06:17

Instrument :  
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 ClientSampleId :  
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| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 11.6  | 8.3        | 12.5       |
| 100     | 11.1  | 7.2        | 10.8       |

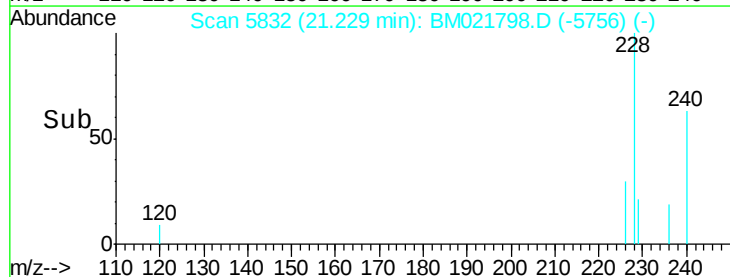
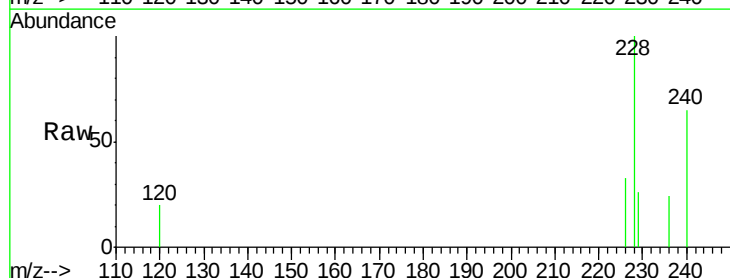
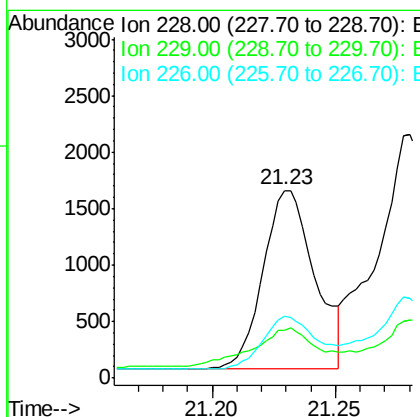
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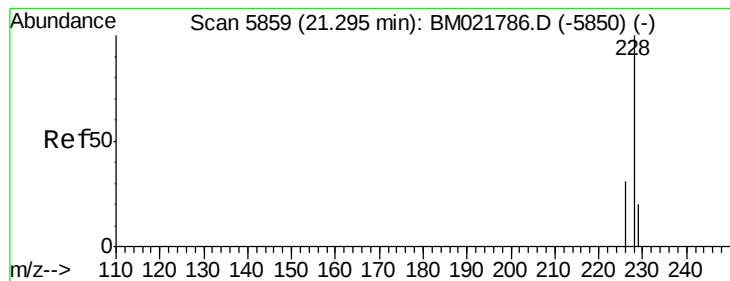
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#18  
 Benzo(a)anthracene  
 Concen: 0.093 ng/ul  
 RT: 21.23 min Scan# 5832  
 Delta R.T. -0.02 min  
 Lab File: BM021798.D  
 Acq: 04 Aug 2019 06:17

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 25.8  | 17.2       | 25.8       |
| 226     | 32.9  | 22.6       | 34.0       |





#19

Chrysene

Concen: 0.117 ng/ul m

RT: 21.28 min Scan# 5853

Delta R.T. -0.01 min

Lab File: BM021798.D

Acq: 04 Aug 2019 06:17

Instrument :

BNA\_M

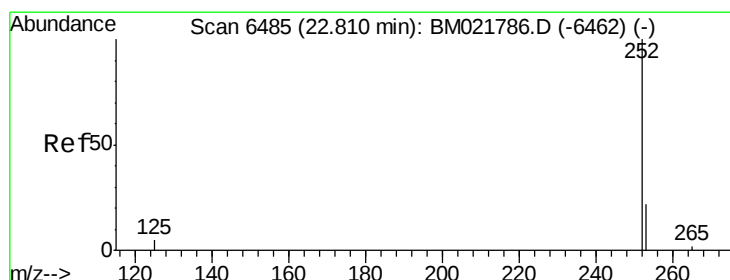
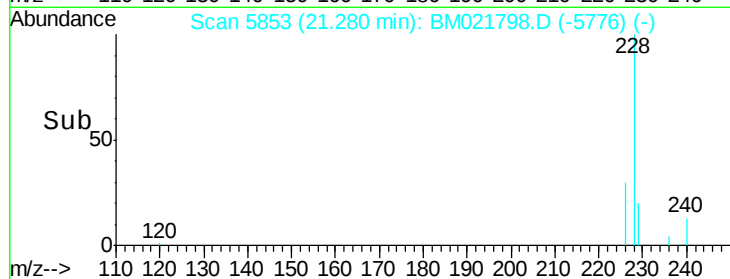
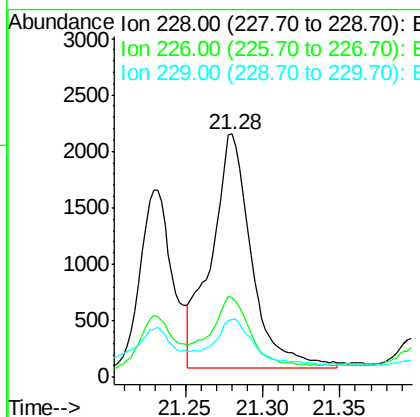
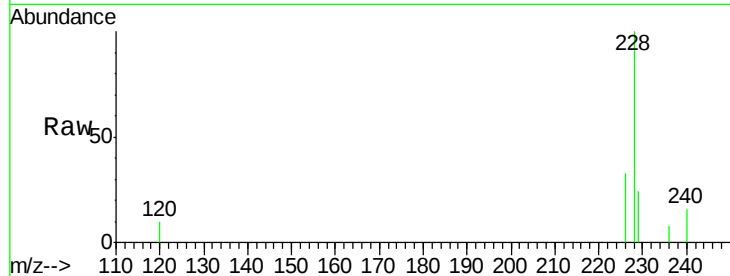
ClientSampleId :

A52F8

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 3738 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 33.0  | 24.9  | 37.3 |
| 229       | 23.9  | 16.6  | 25.0 |

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#21

Benzo(b)fluoranthene

Concen: 0.205 ng/ul m

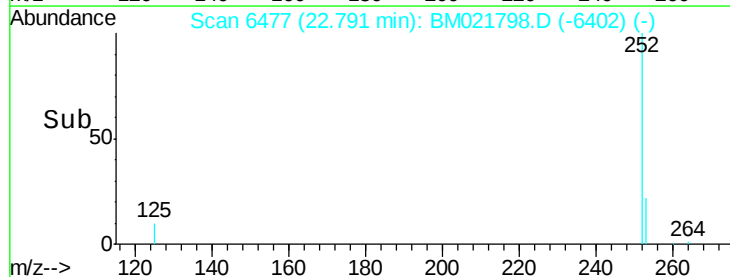
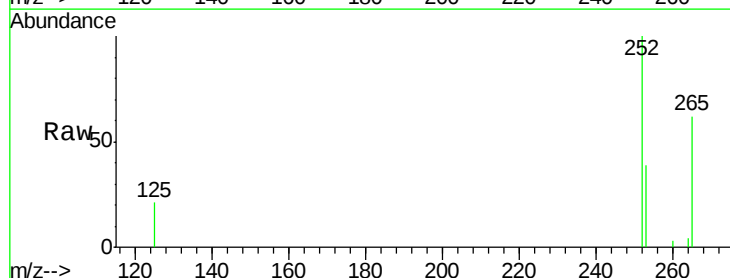
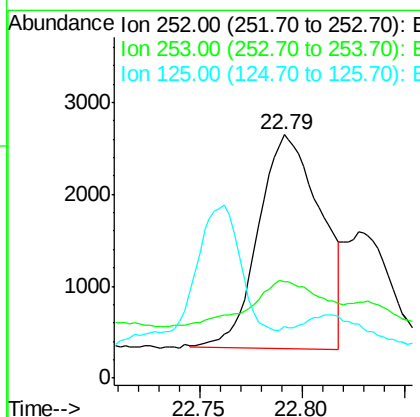
RT: 22.79 min Scan# 6477

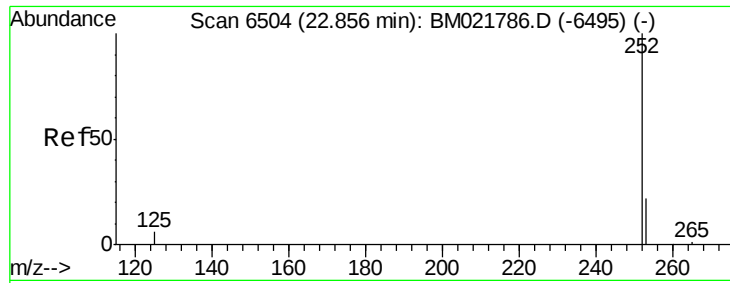
Delta R.T. -0.02 min

Lab File: BM021798.D

Acq: 04 Aug 2019 06:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 4939 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 39.5  | 0.0   | 67.4 |
| 125       | 21.1  | 0.0   | 31.0 |





#22

Benzo(k)fluoranthene

Concen: 0.068 ng/ul m

RT: 22.83 min Scan# 6492

Delta R.T. -0.03 min

Lab File: BM021798.D

Acq: 04 Aug 2019 06:17

Instrument :

BNA\_M

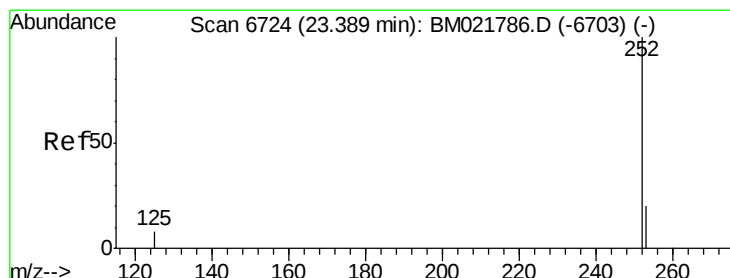
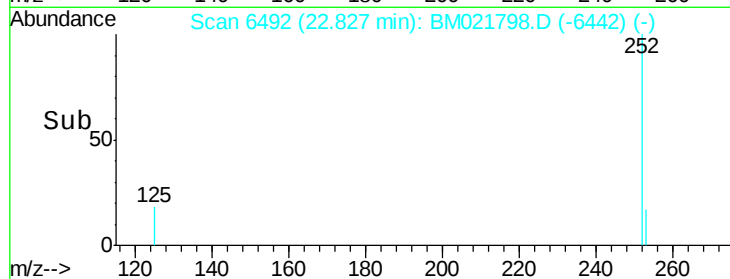
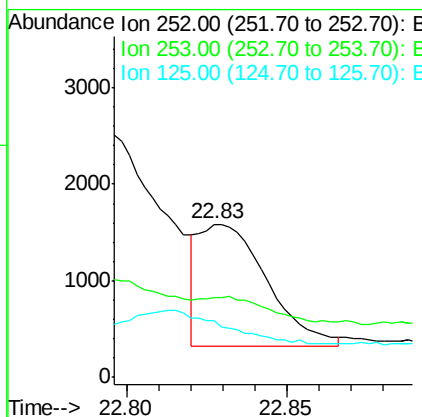
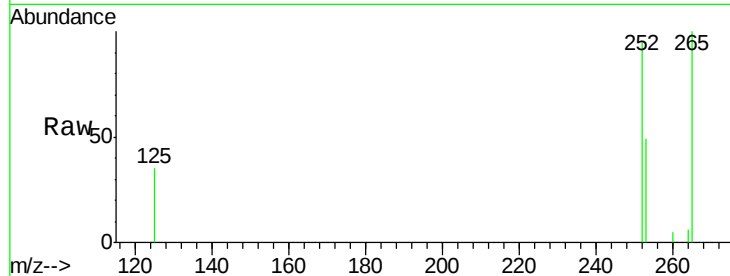
ClientSampleId :

A52F8

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 52.0  | 27.0  | 40.4# |
| 125     | 36.9  | 12.2  | 18.2# |

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#23

Benzo(a)pyrene

Concen: 0.124 ng/ul m

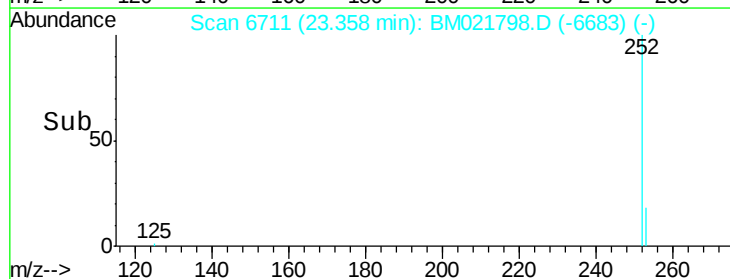
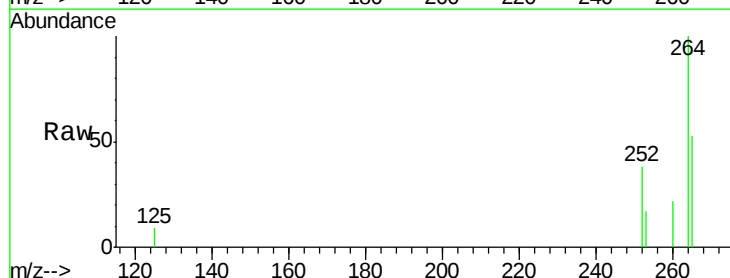
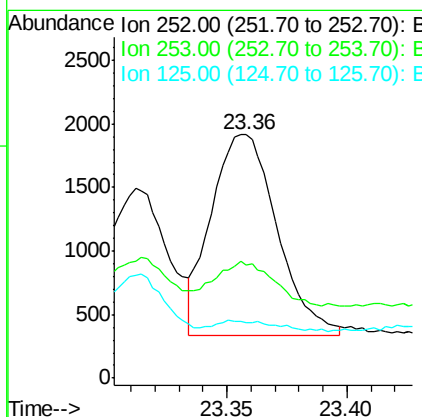
RT: 23.36 min Scan# 6711

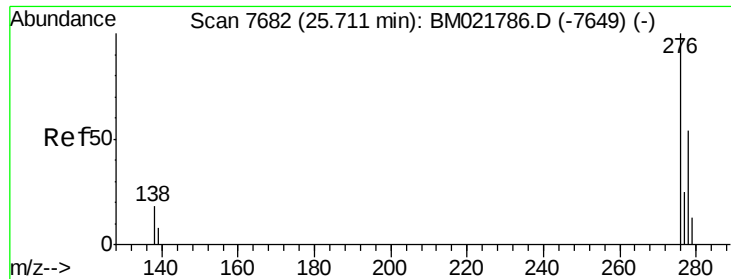
Delta R.T. -0.03 min

Lab File: BM021798.D

Acq: 04 Aug 2019 06:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 46.3  | 31.7  | 47.5  |
| 125     | 22.8  | 14.6  | 21.8# |





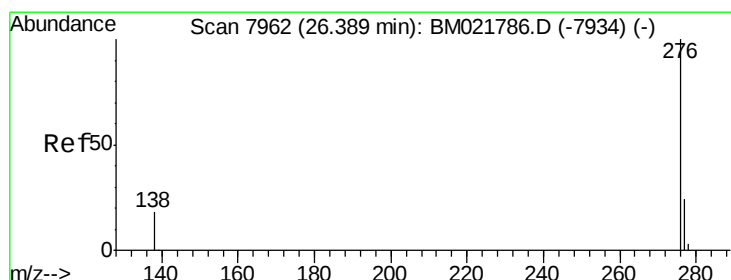
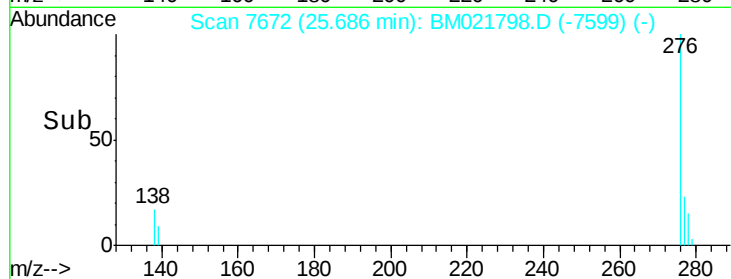
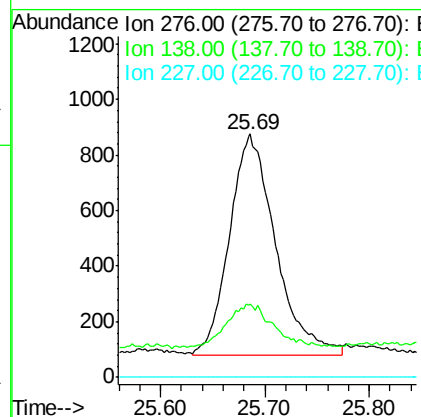
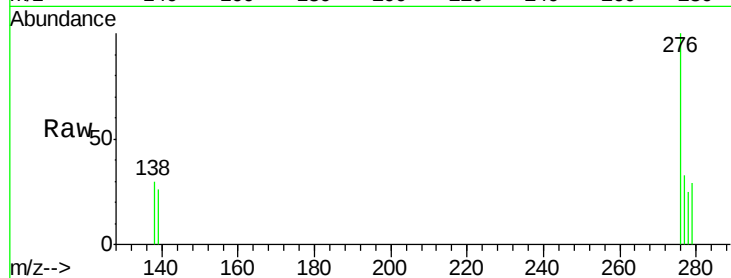
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.084 ng/ul m  
 RT: 25.69 min Scan# 7672  
 Delta R.T. -0.02 min  
 Lab File: BM021798.D  
 Acq: 04 Aug 2019 06:17

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A52F8

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 0.9   | 15.1       | 22.7# |
| 227     | 0.0   | 0.0        | 0.0   |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.095 ng/ul m  
 RT: 26.37 min Scan# 7955  
 Delta R.T. -0.02 min  
 Lab File: BM021798.D  
 Acq: 04 Aug 2019 06:17

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 25.5  | 15.5       | 23.3# |
| 277     | 33.0  | 21.4       | 32.2# |

