

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025399.D  
 Acq On : 08 Mar 2020 23:56  
 Operator : CG/JU  
 Sample : L1617-22  
 Misc :  
 ALS Vial : 85 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDT6

Manual Integrations  
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Quant Time: Mar 09 02:30:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 3689     | 0.40  | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.43 | 136  | 15283    | 0.40  | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.29 | 164  | 10702    | 0.40  | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 25594    | 0.40  | ng/ul  | -0.01    |
| 16) Chrysene-d12            | 21.22 | 240  | 19353    | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.41 | 264  | 17360    | 0.40  | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 349      | 0.01  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.06 | 212  | 950      | 0.01  | ng/ul  | -0.01    |
| Target Compounds            |       |      |          |       |        |          |
| 15) Fluoranthene            | 19.09 | 202  | 3920     | 0.038 | ng/ul  | 100      |
| 17) Pyrene                  | 19.46 | 202  | 4662     | 0.064 | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.20 | 228  | 3681     | 0.052 | ng/ul  | 97       |
| 19) Chrysene                | 21.24 | 228  | 3108     | 0.040 | ng/ul  | 93       |
| 21) Benzo(b)fluoranthene    | 22.76 | 252  | 4771m    | 0.069 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.80 | 252  | 1585m    | 0.022 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.31 | 252  | 2390     | 0.041 | ng/ul# | 64       |

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

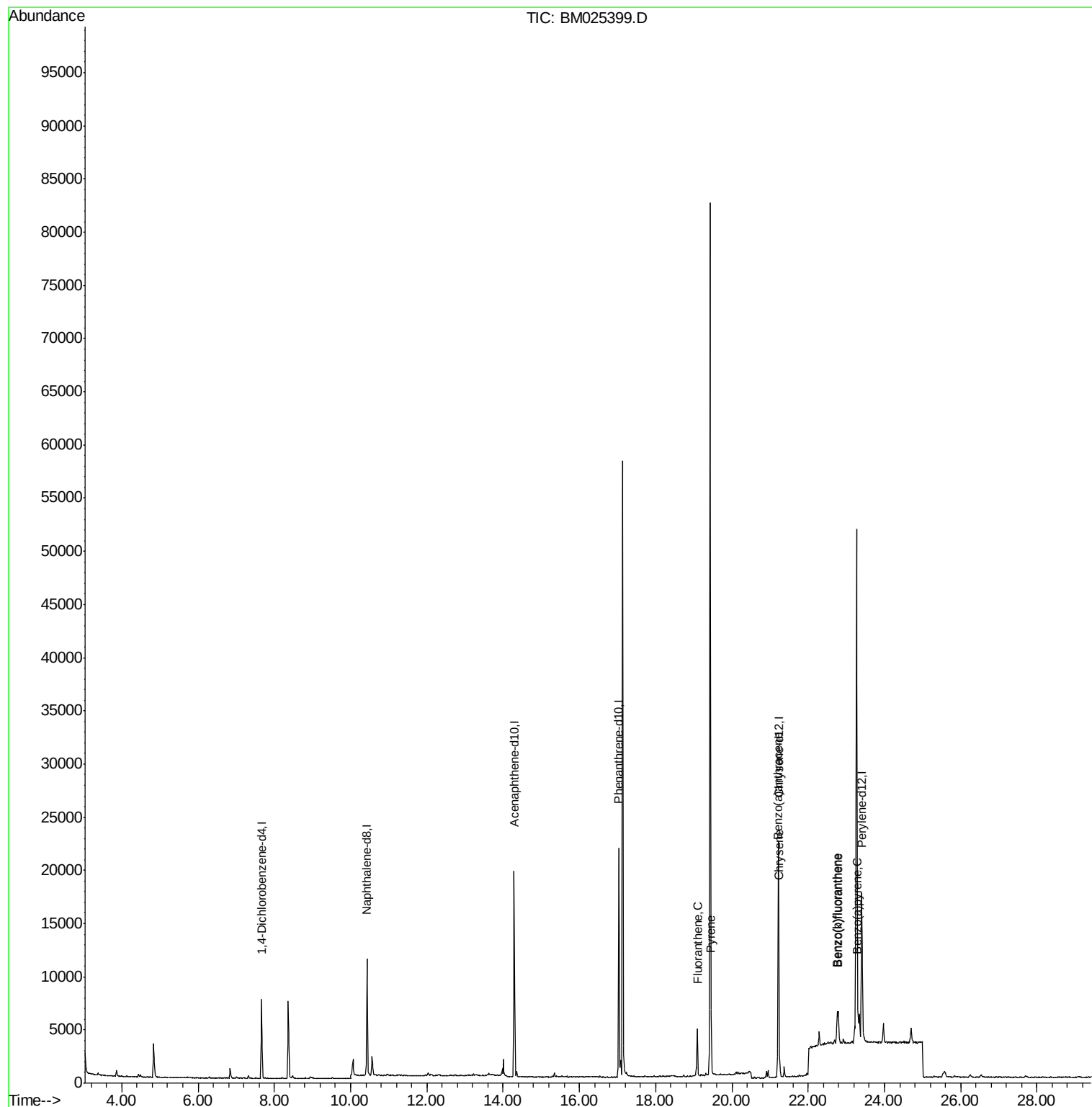
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025399.D  
Acq On : 08 Mar 2020 23:56  
Operator : CG/JU  
Sample : L1617-22  
Misc :  
ALS Vial : 85 Sample Multiplier: 1

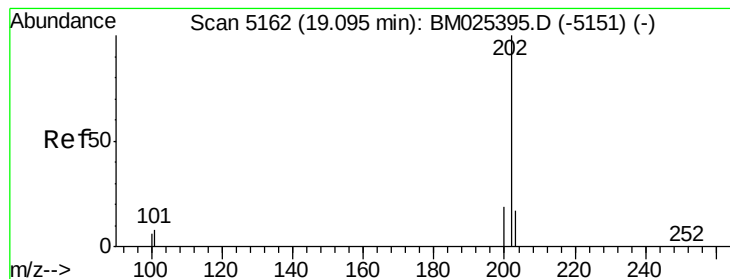
Instrument :  
BNA\_M  
ClientSampleId :  
DBDT6

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Quant Time: Mar 09 02:30:28 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration





#15

Fluoranthene

Concen: 0.038 ng/ul

RT: 19.09 min Scan# 5162

Delta R.T. -0.01 min

Lab File: BM025399.D

Acq: 08 Mar 2020 23:56

Instrument :

BNA\_M

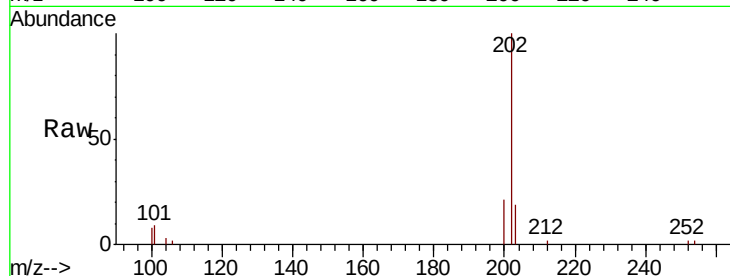
ClientSampleId :

DBDT6

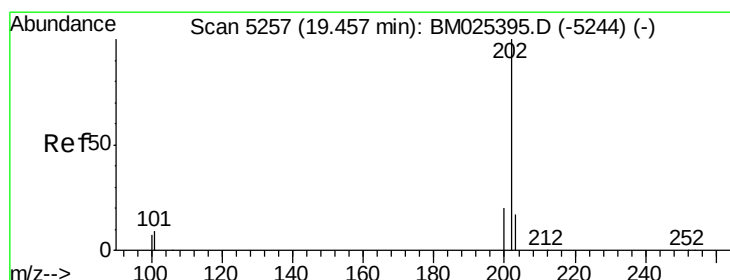
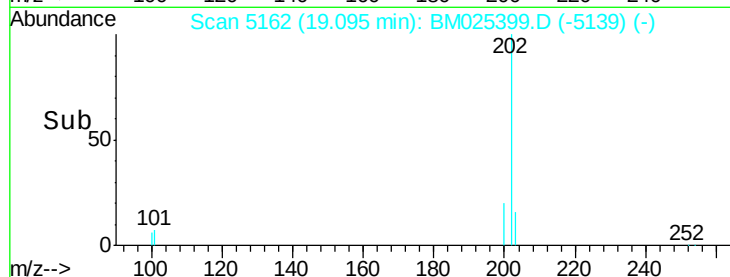
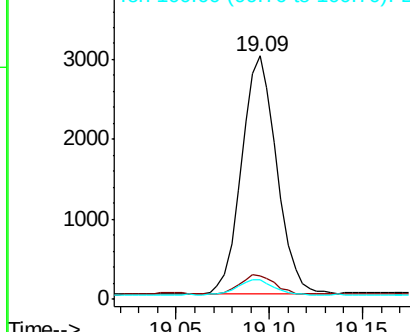
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 202   | Resp: | 3920 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 9.4   | 0.0   | 29.4 |
| 100       | 8.1   | 0.0   | 28.0 |

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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



#17

Pyrene

Concen: 0.064 ng/ul

RT: 19.46 min Scan# 5257

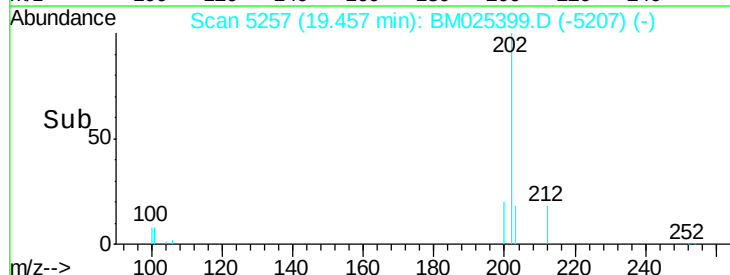
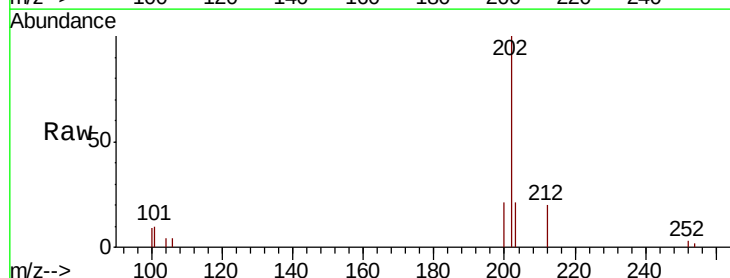
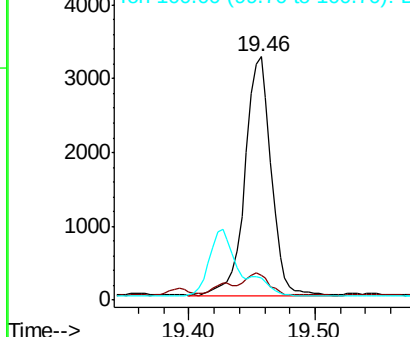
Delta R.T. -0.01 min

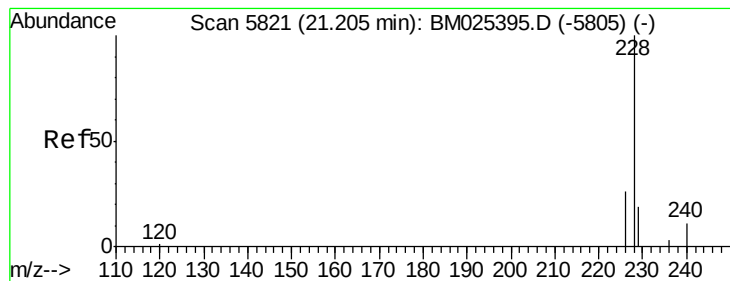
Lab File: BM025399.D

Acq: 08 Mar 2020 23:56

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 4662 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.3  | 8.7   | 13.1 |
| 100       | 9.2   | 7.3   | 10.9 |

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





#18

Benzo(a)anthracene

Concen: 0.052 ng/ul

RT: 21.20 min Scan# 5821

Delta R.T. -0.01 min

Lab File: BM025399.D

Acq: 08 Mar 2020 23:56

Instrument :

BNA\_M

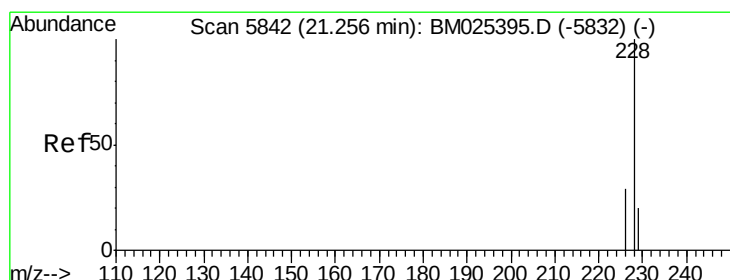
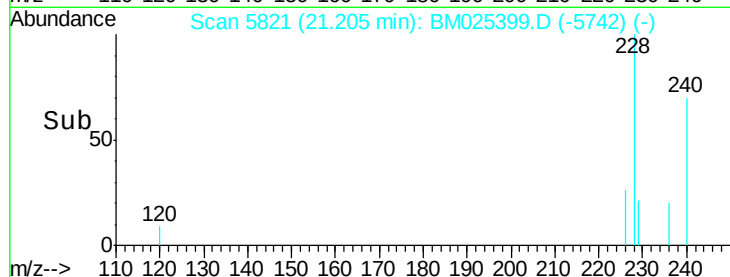
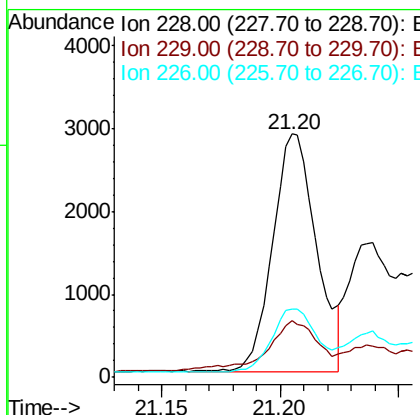
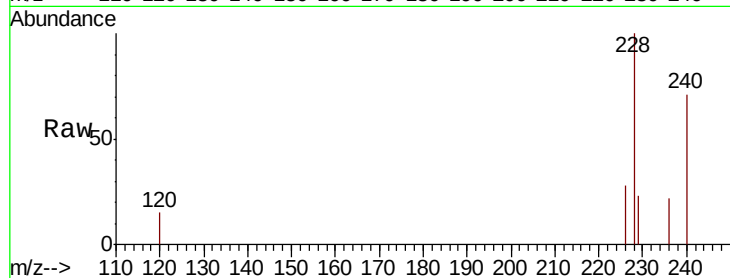
ClientSampleId :

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|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 3681  |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 229 23.1    | 16.6  | 25.0  |
| 226 28.1    | 21.9  | 32.9  |

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#19

Chrysene

Concen: 0.040 ng/ul

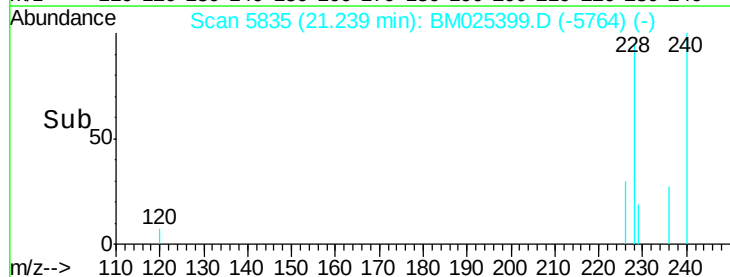
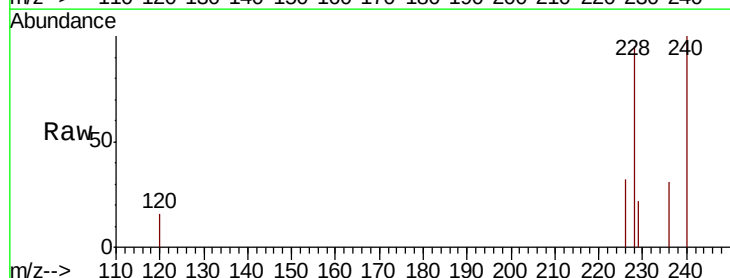
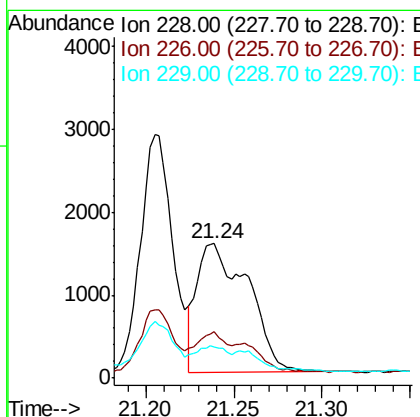
RT: 21.24 min Scan# 5835

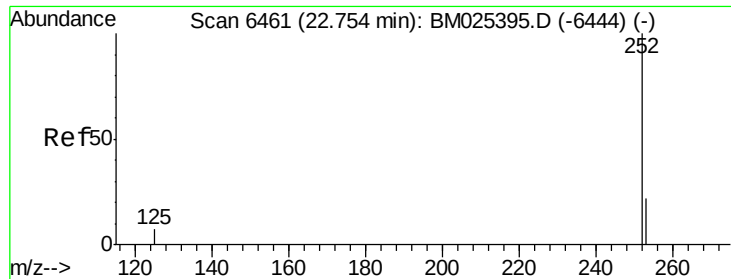
Delta R.T. -0.03 min

Lab File: BM025399.D

Acq: 08 Mar 2020 23:56

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:228 | Resp: | 3108  |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 34.2    | 23.8  | 35.8  |
| 229 23.3    | 16.9  | 25.3  |





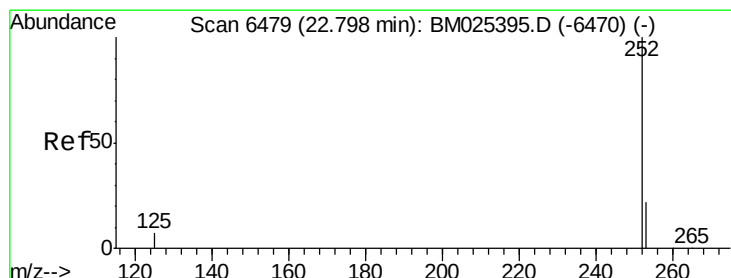
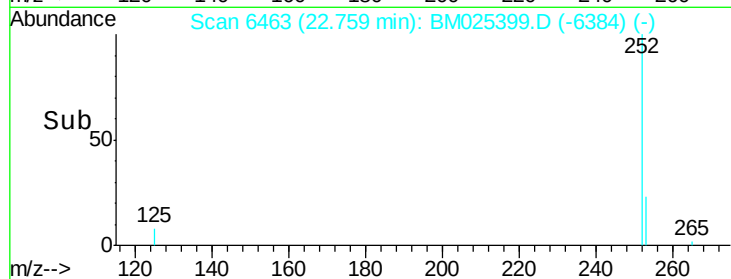
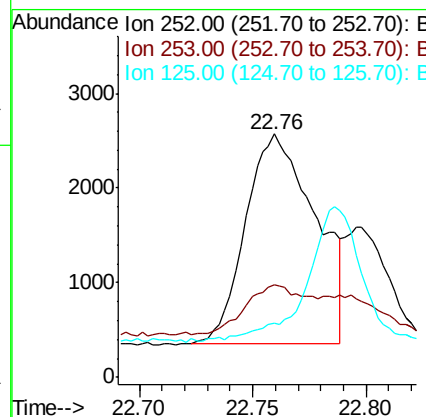
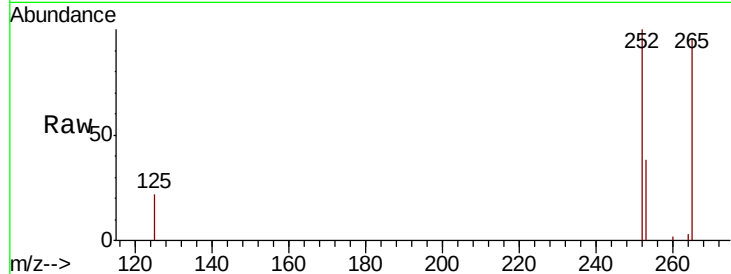
#21  
Benzo(b)fluoranthene  
Concen: 0.069 ng/ul m  
RT: 22.76 min Scan# 6463  
Delta R.T. -0.01 min  
Lab File: BM025399.D  
Acq: 08 Mar 2020 23:56

Instrument :  
BNA\_M  
ClientSampleId :  
DBDT6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 37.9  | 0.0   | 49.8  |
| 125     | 22.3  | 0.0   | 28.6  |

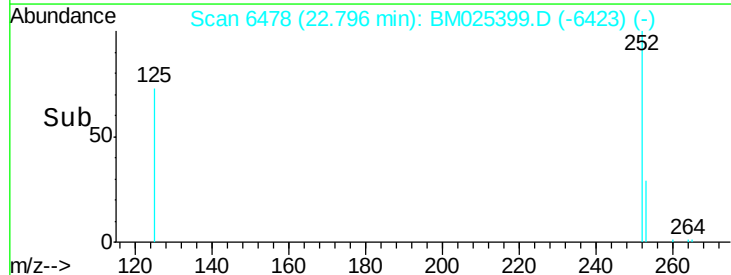
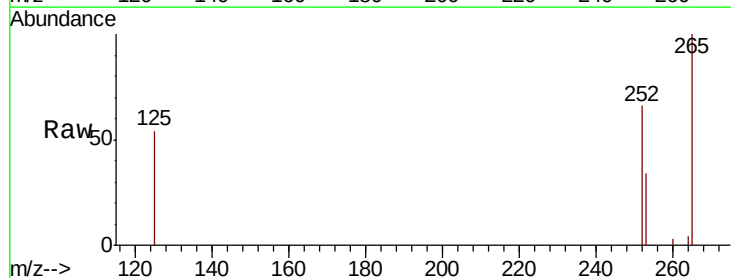
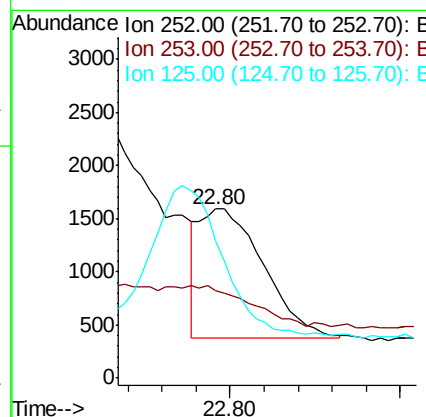
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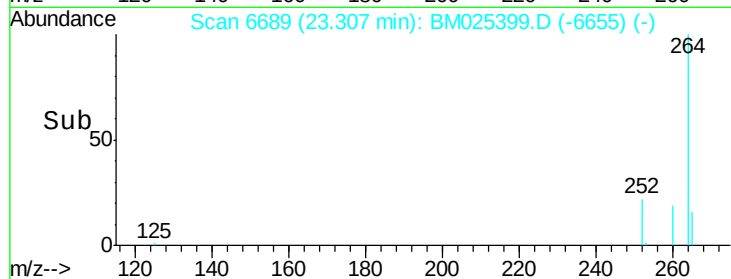
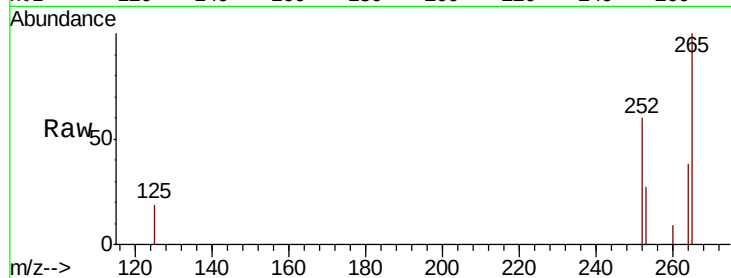
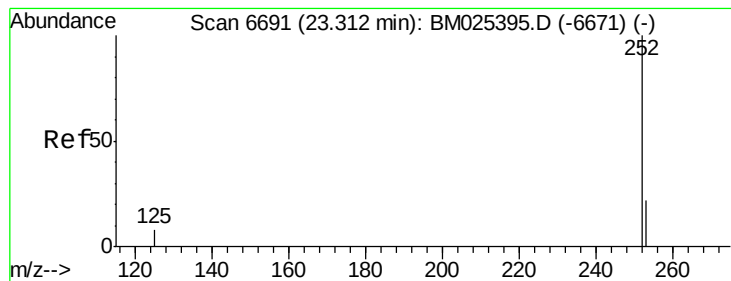
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#22  
Benzo(k)fluoranthene  
Concen: 0.022 ng/ul m  
RT: 22.80 min Scan# 6478  
Delta R.T. -0.02 min  
Lab File: BM025399.D  
Acq: 08 Mar 2020 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 51.8  | 19.4  | 29.0# |
| 125     | 81.0  | 10.7  | 16.1# |





#23

Benzo(a)pyrene

Concen: 0.041 ng/ul

RT: 23.31 min Scan# 6689

Delta R.T. -0.02 min

Lab File: BM025399.D

Acq: 08 Mar 2020 23:56

Instrument :

BNA\_M

ClientSampleId :

DBDT6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 2390  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 44.4  | 20.3  | 30.5# |
| 125       | 30.9  | 13.0  | 19.4# |

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