

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025397.D  
 Acq On : 08 Mar 2020 22:45  
 Operator : CG/JU  
 Sample : L1617-15  
 Misc :  
 ALS Vial : 83 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDS9

Manual Integrations  
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Quant Time: Mar 09 02:27:18 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  | 3776     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.43 | 136  | 16858    | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.29 | 164  | 12216    | 0.40   | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 29000    | 0.40   | ng/ul  | -0.01    |
| 16) Chrysene-d12            | 21.22 | 240  | 23012    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.41 | 264  | 19909    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 771      | 0.02   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.06 | 212  | 2066     | 0.02   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.08 | 178  | 39916    | 0.427  | ng/ul  | 95       |
| 13) Anthracene              | 17.16 | 178  | 2054     | 0.025  | ng/ul# | 92       |
| 15) Fluoranthene            | 19.09 | 202  | 131310   | 1.122  | ng/ul  | 95       |
| 17) Pyrene                  | 19.45 | 202  | 87773    | 1.006  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 19021    | 0.225  | ng/ul  | 98       |
| 19) Chrysene                | 21.26 | 228  | 17996    | 0.194  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.76 | 252  | 10189m   | 0.128  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.80 | 252  | 4809m    | 0.058  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.31 | 252  | 3083     | 0.046  | ng/ul# | 72       |

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

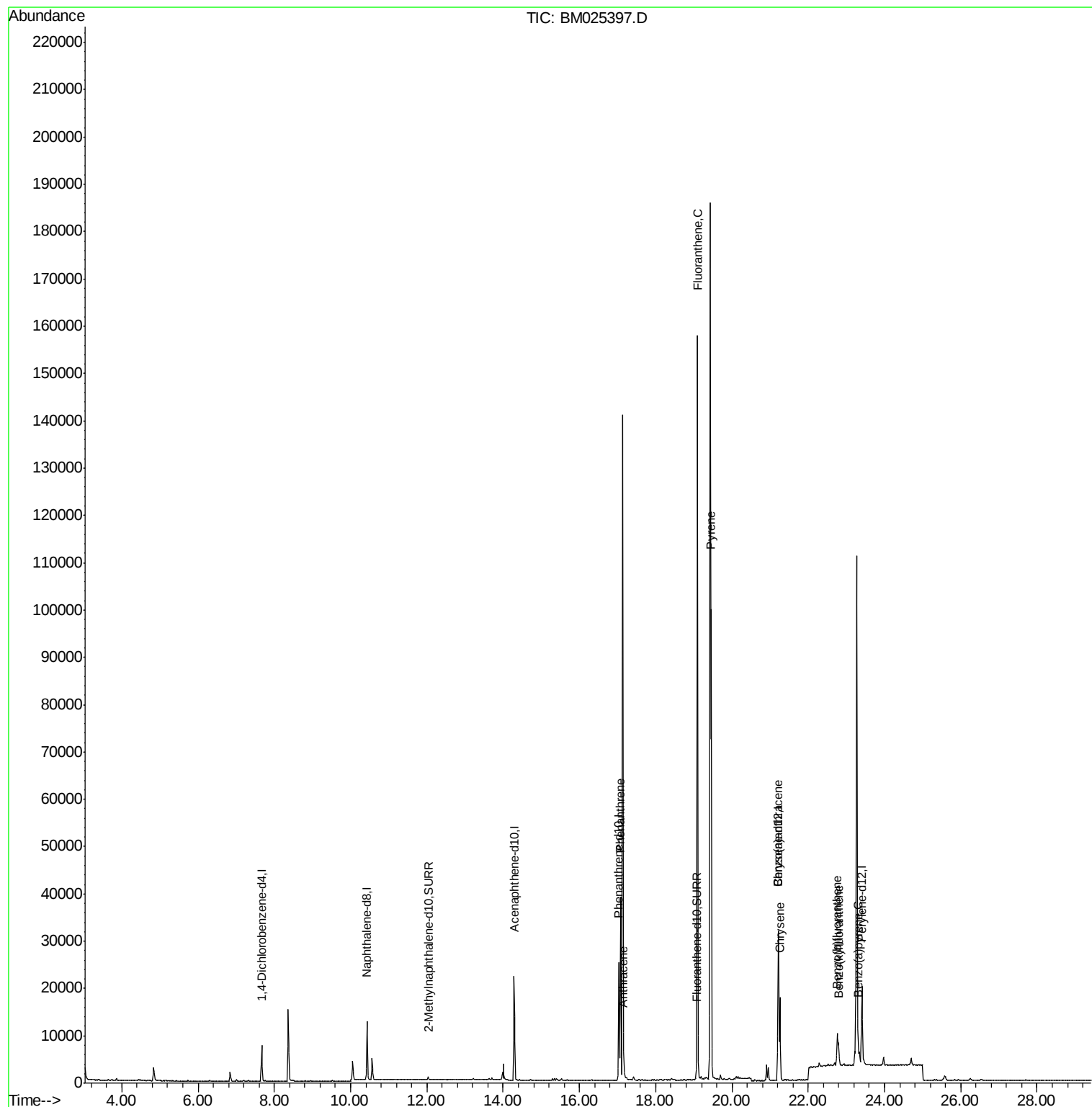
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025397.D  
Acq On : 08 Mar 2020 22:45  
Operator : CG/JU  
Sample : L1617-15  
Misc :  
ALS Vial : 83 Sample Multiplier: 1

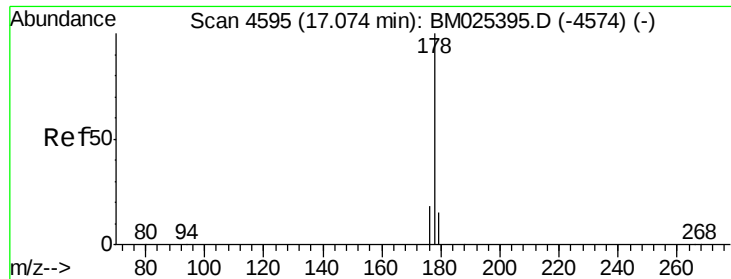
Instrument :  
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Quant Time: Mar 09 02:27:18 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration





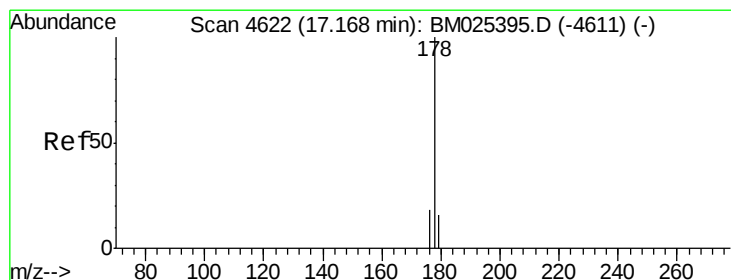
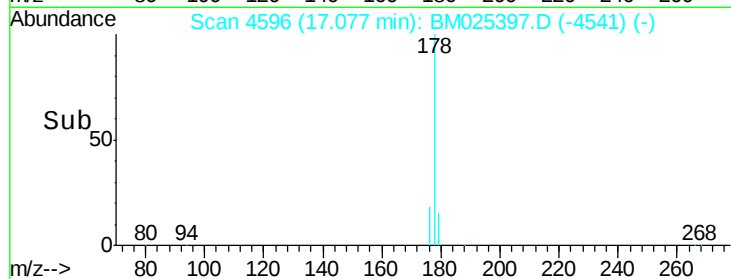
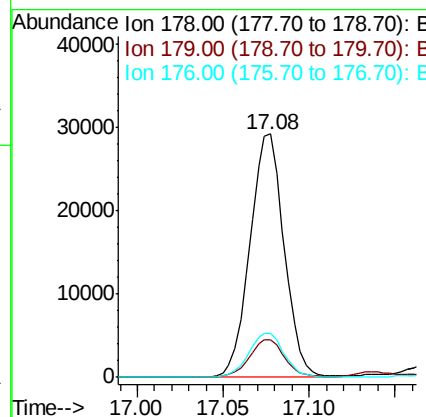
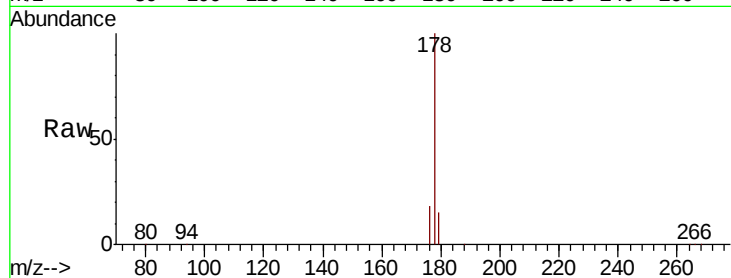
#12  
Phenanthrene  
Concen: 0.427 ng/ul  
RT: 17.08 min Scan# 4596  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

Instrument :  
BNA\_M  
ClientSampleId :  
DBDS9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.3  | 14.0  | 21.0  |
| 176     | 18.3  | 16.6  | 24.8  |

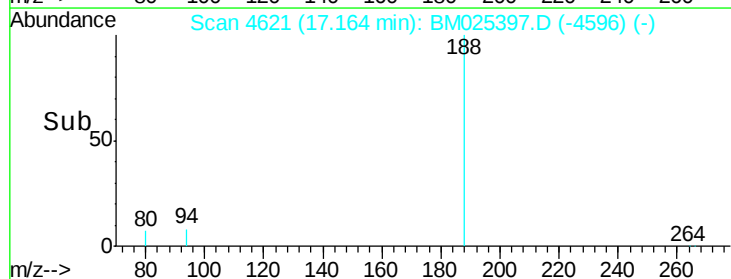
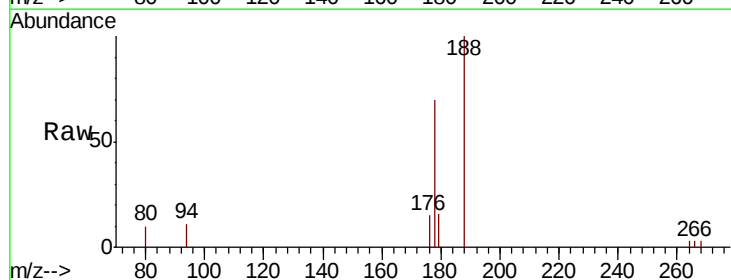
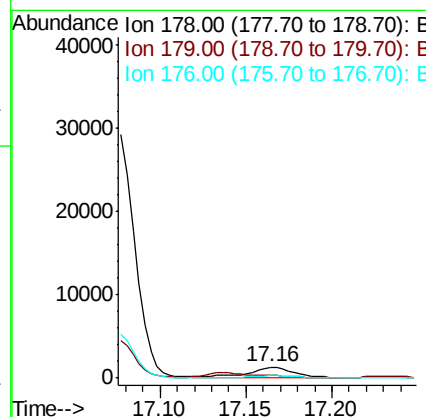
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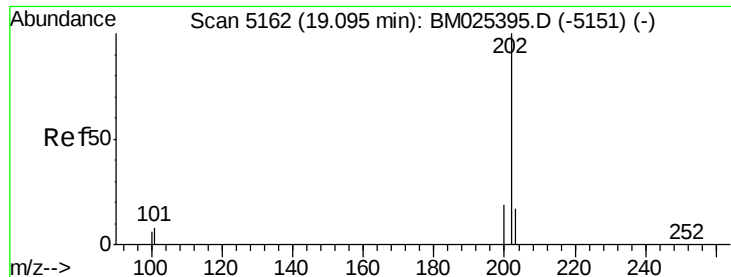
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#13  
Anthracene  
Concen: 0.025 ng/ul  
RT: 17.16 min Scan# 4621  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 23.4  | 14.1  | 21.1# |
| 176     | 21.6  | 16.2  | 24.4  |





#15

Fluoranthene

Concen: 1.122 ng/ul

RT: 19.09 min Scan# 5162

Delta R.T. -0.01 min

Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

Instrument :

BNA\_M

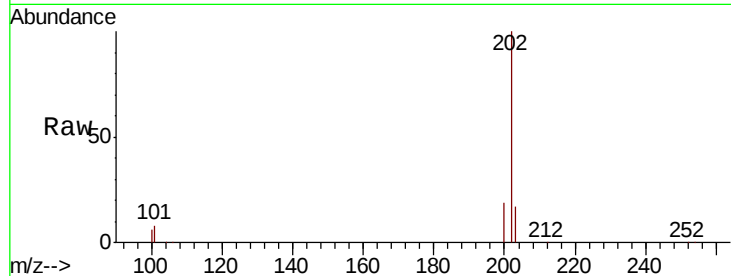
ClientSampleId :

DBDS9

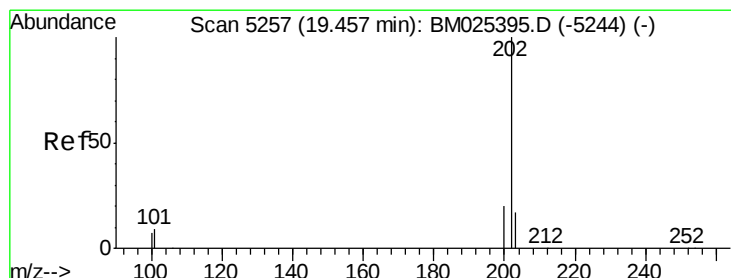
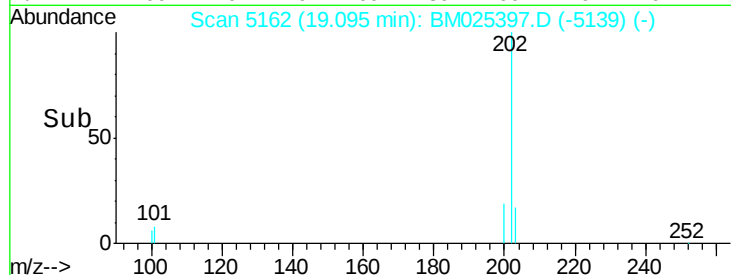
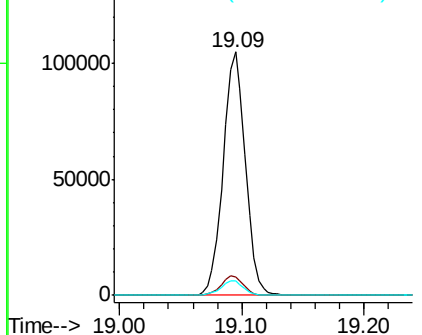
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 131310 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 7.8   | 0.0   | 29.4   |
| 100       | 5.9   | 0.0   | 28.0   |

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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: 1.006 ng/ul

RT: 19.45 min Scan# 5256

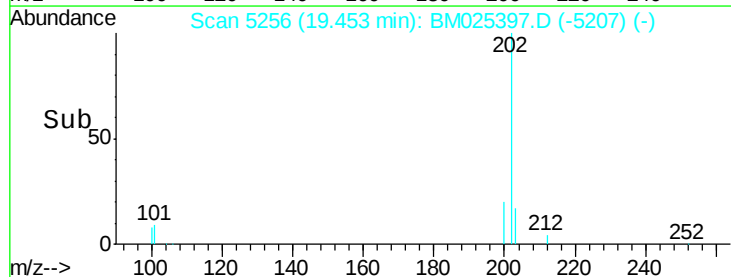
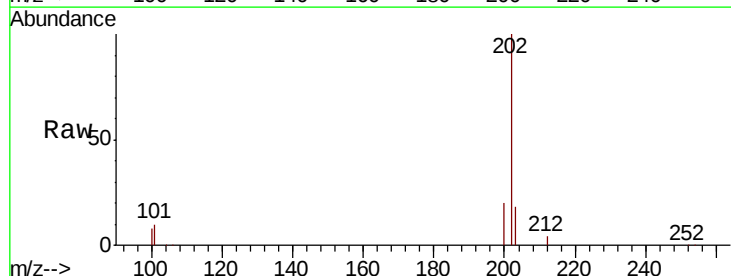
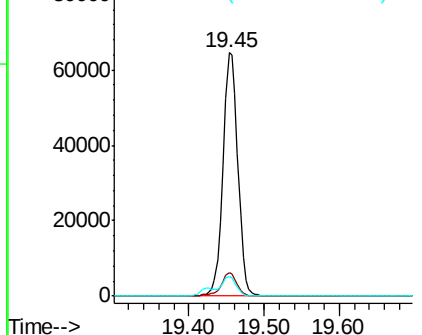
Delta R.T. -0.01 min

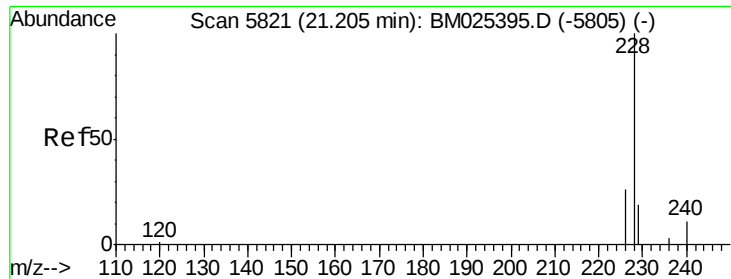
Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 87773 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.5   | 8.7   | 13.1  |
| 100       | 8.0   | 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





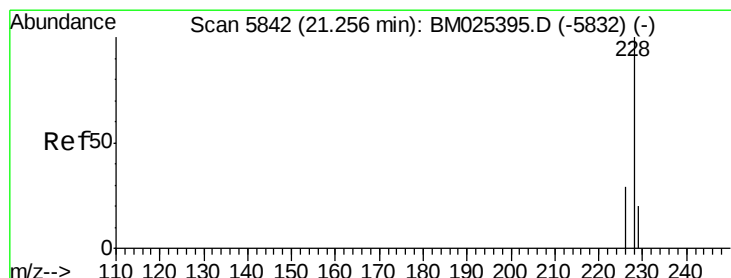
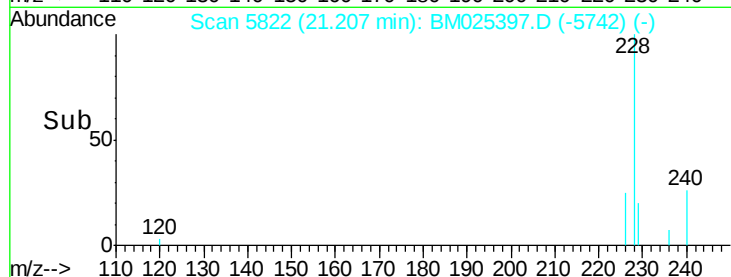
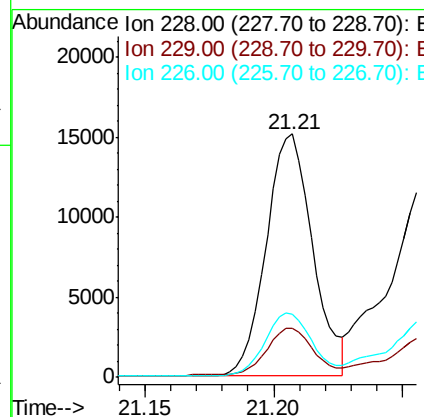
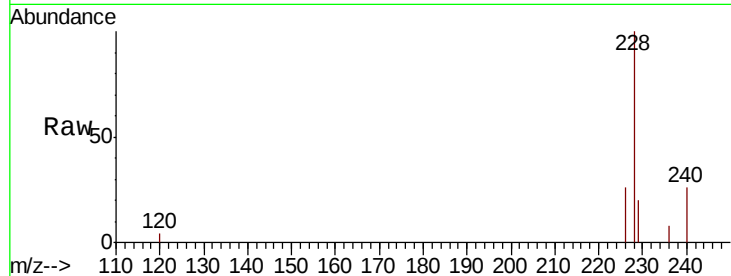
#18  
Benzo(a)anthracene  
Concen: 0.225 ng/ul  
RT: 21.21 min Scan# 5822  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

Instrument :  
BNA\_M  
ClientSampleId :  
DBDS9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.1  | 16.6  | 25.0  |
| 226     | 25.7  | 21.9  | 32.9  |

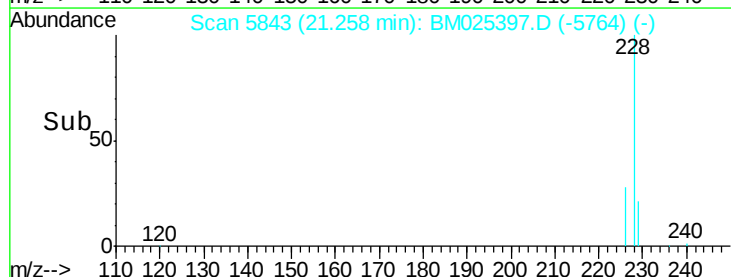
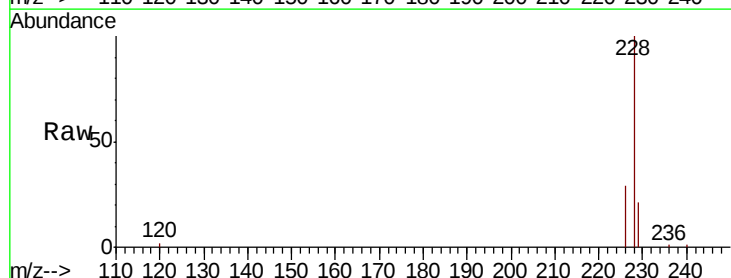
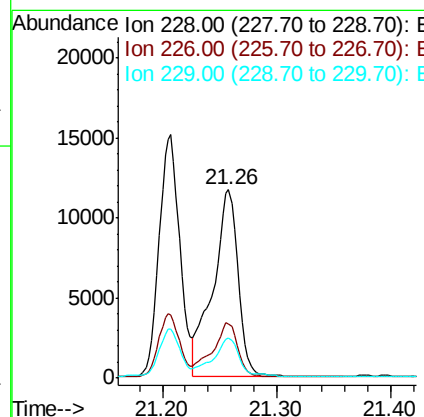
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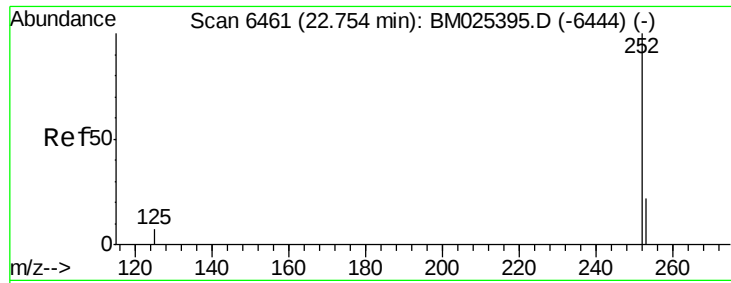
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#19  
Chrysene  
Concen: 0.194 ng/ul  
RT: 21.26 min Scan# 5843  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 23.8  | 35.8  |
| 229     | 21.2  | 16.9  | 25.3  |





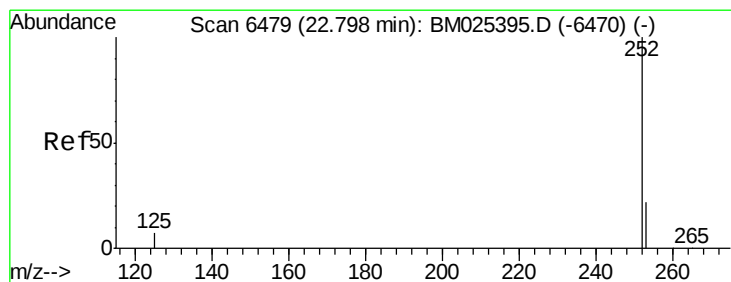
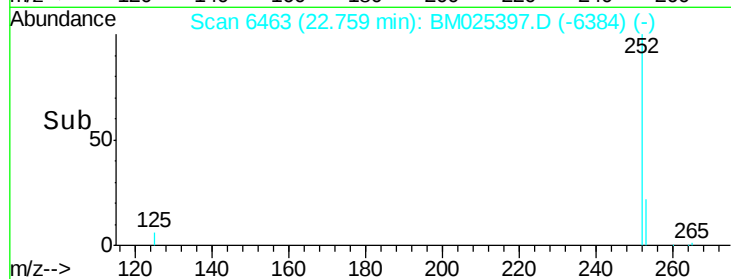
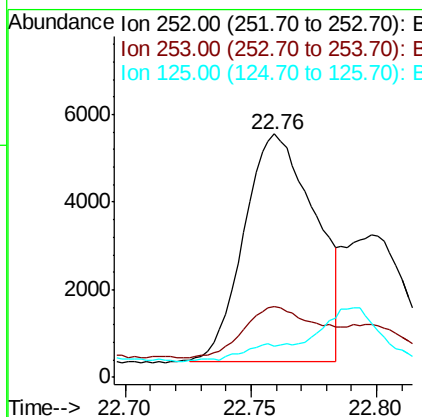
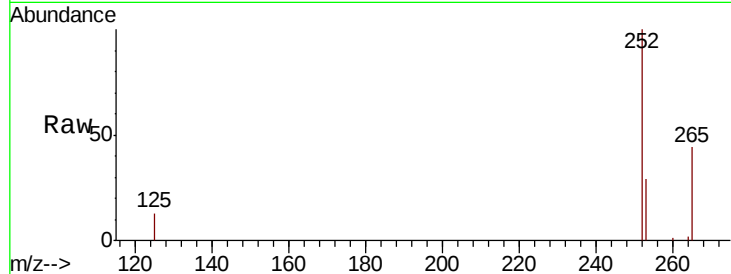
#21  
Benzo(b)fluoranthene  
Concen: 0.128 ng/ul m  
RT: 22.76 min Scan# 6463  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

Instrument :  
BNA\_M  
ClientSampleId :  
DBDS9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.0  | 0.0   | 49.8  |
| 125     | 13.0  | 0.0   | 28.6  |

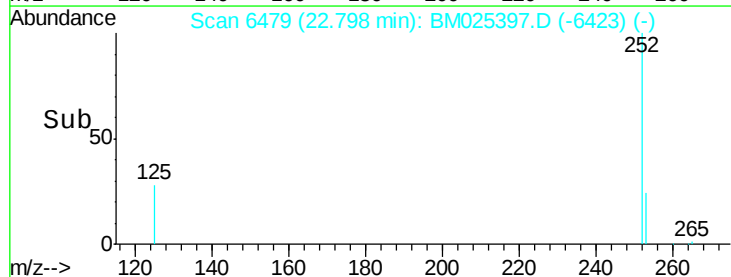
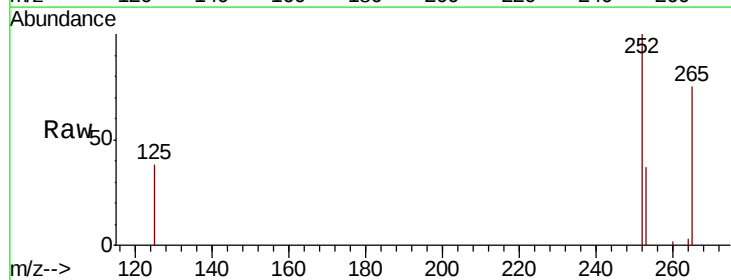
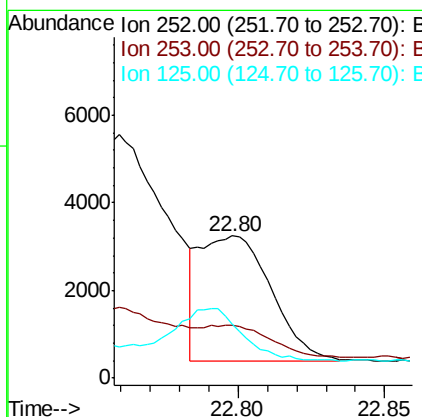
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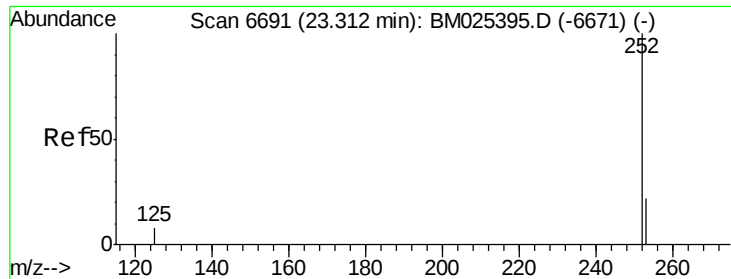
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#22  
Benzo(k)fluoranthene  
Concen: 0.058 ng/ul m  
RT: 22.80 min Scan# 6479  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 37.4  | 19.4  | 29.0# |
| 125     | 37.6  | 10.7  | 16.1# |





#23

Benzo(a)pyrene

Concen: 0.046 ng/ul

RT: 23.31 min Scan# 6692

Delta R.T. -0.01 min

Lab File: BM025397.D

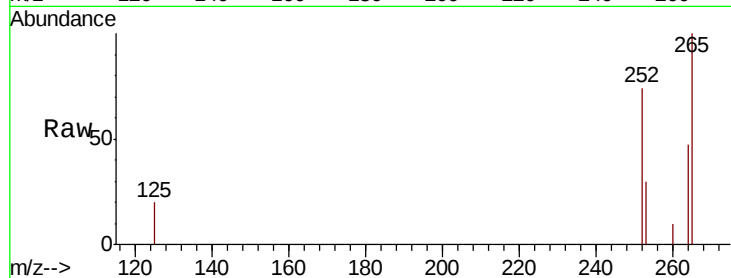
Acq: 08 Mar 2020 22:45

Instrument :

BNA\_M

ClientSampleId :

DBDS9



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 3083  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 40.9  | 20.3  | 30.5# |
| 125       | 26.7  | 13.0  | 19.4# |

Manual Integrations  
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