

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\  
 Data File : BM025159.D  
 Acq On : 29 Feb 2020 09:43  
 Operator : CG/JU  
 Sample : L1542-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD37

Manual Integrations  
 APPROVED

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 3/3/2020 8:39:32 AM

Quant Time: Mar 02 01:35:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 02 01:15:39 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 2721     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.46 | 136  | 10555    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.31 | 164  | 6794     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 15126m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.24 | 240  | 16128    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.43 | 264  | 18608    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.05 | 152  | 7398     | 0.37   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.08 | 212  | 19341    | 0.37   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 9) Fluorene                 | 15.36 | 166  | 876      | 0.027  | ng/ul# | 97       |
| 12) Phenanthrene            | 17.09 | 178  | 11885    | 0.223  | ng/ul  | 97       |
| 15) Fluoranthene            | 19.11 | 202  | 12956    | 0.168  | ng/ul  | 97       |
| 17) Pyrene                  | 19.47 | 202  | 9348m    | 0.129  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.22 | 228  | 2322     | 0.033  | ng/ul  | 93       |
| 19) Chrysene                | 21.27 | 228  | 2753     | 0.040  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.78 | 252  | 3342m    | 0.046  | ng/ul  |          |

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

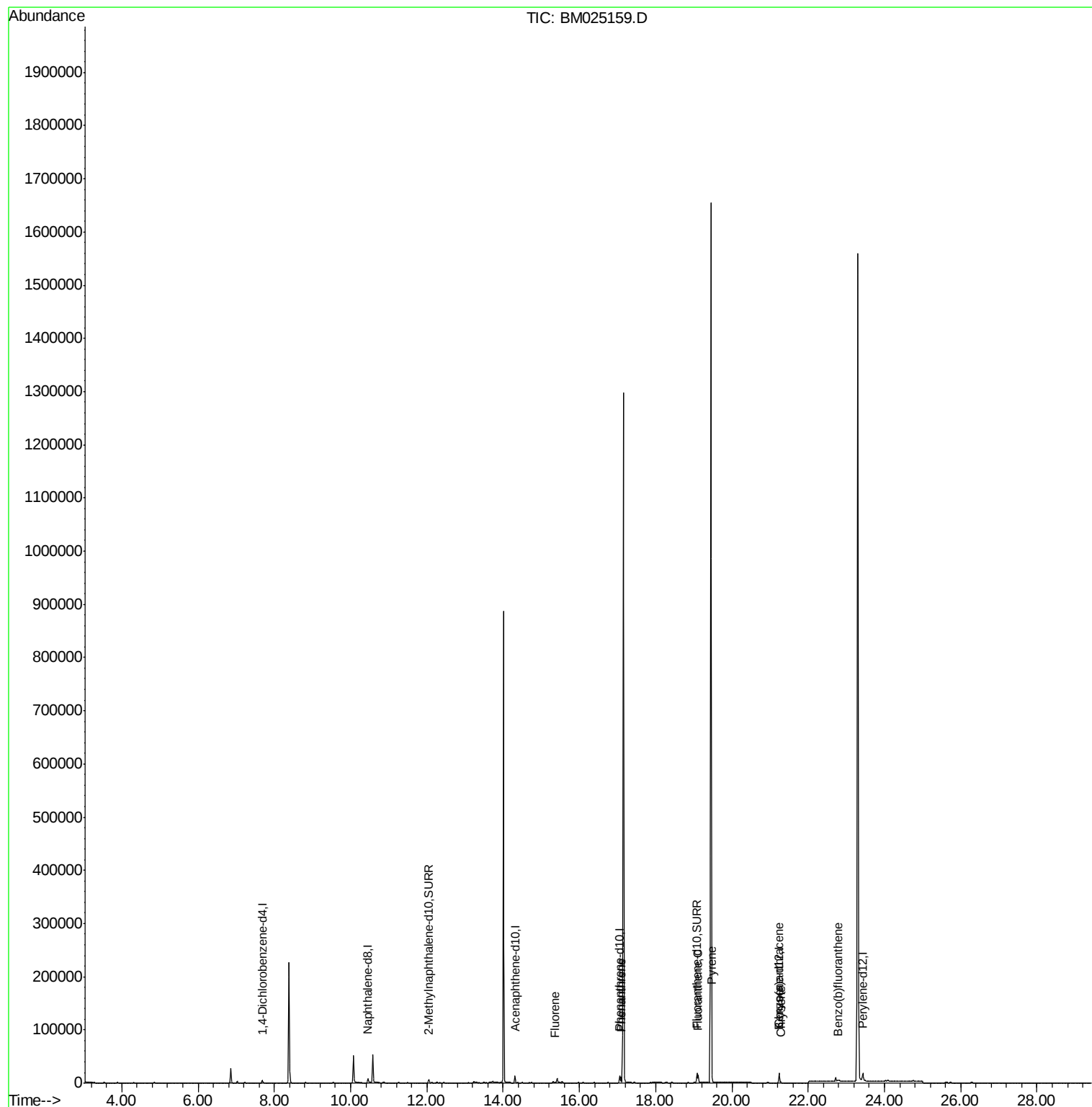
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\  
Data File : BM025159.D  
Acq On : 29 Feb 2020 09:43  
Operator : CG/JU  
Sample : L1542-01  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

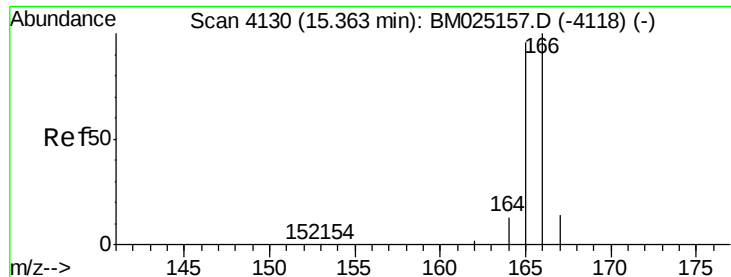
Instrument :  
BNA\_M  
ClientSampleId :  
DBD37

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Quant Time: Mar 02 01:35:13 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 02 01:15:39 2020  
Response via : Initial Calibration





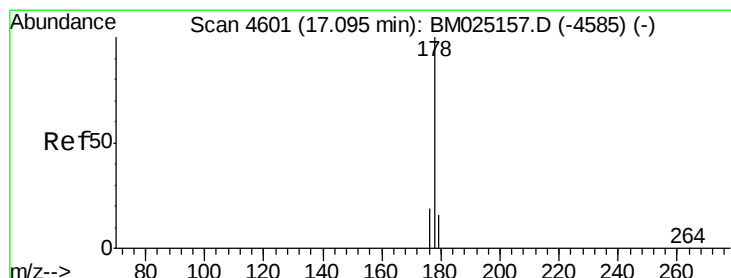
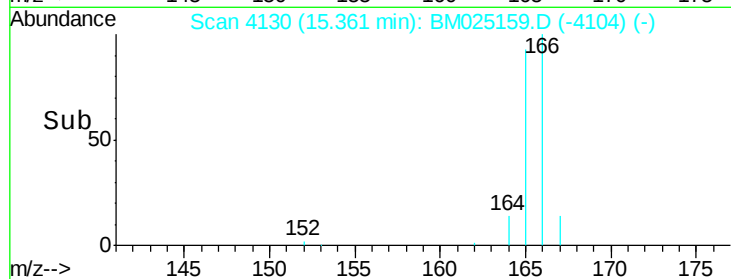
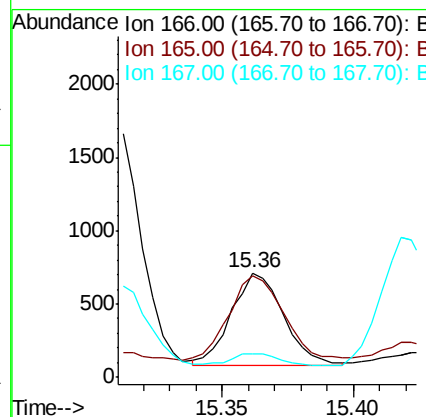
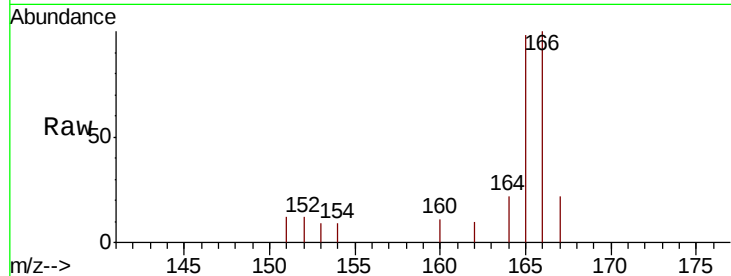
#9  
**Fluorene**  
 Concen: 0.027 ng/ul  
 RT: 15.36 min Scan# 4130  
 Delta R.T. -0.00 min  
 Lab File: BM025159.D  
 Acq: 29 Feb 2020 09:43

Instrument :  
 BNA\_M  
 ClientSampleID :  
 DBD37

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.0  | 80.0  | 120.0 |
| 167     | 22.4  | 13.7  | 20.5  |

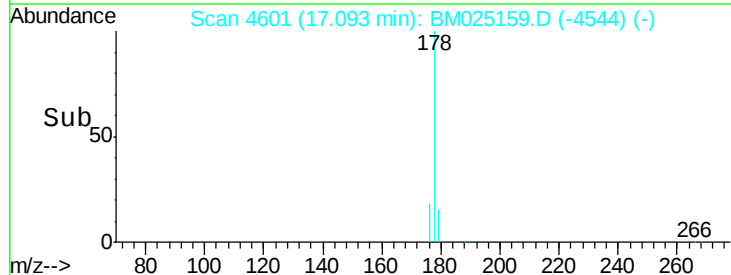
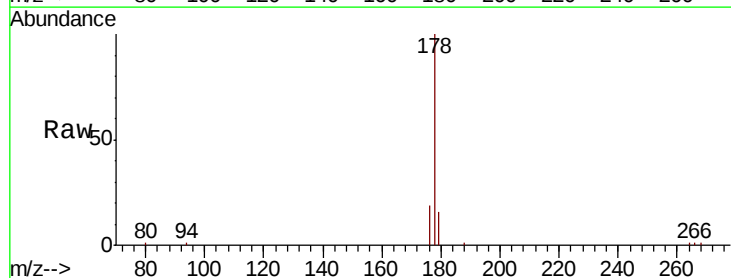
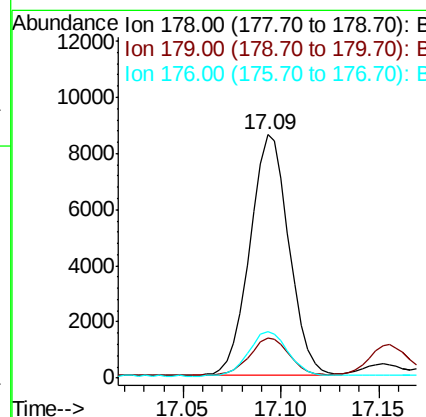
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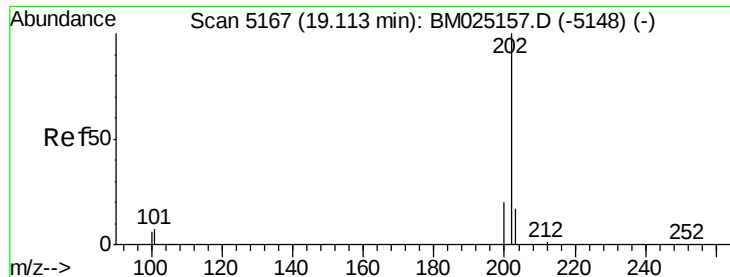
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#12  
**Phenanthrene**  
 Concen: 0.223 ng/ul  
 RT: 17.09 min Scan# 4601  
 Delta R.T. -0.00 min  
 Lab File: BM025159.D  
 Acq: 29 Feb 2020 09:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.5  | 14.0  | 21.0  |
| 176     | 19.1  | 16.6  | 24.8  |





#15

Fluoranthene

Concen: 0.168 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. -0.00 min

Lab File: BM025159.D

Acq: 29 Feb 2020 09:43

Instrument :

BNA\_M

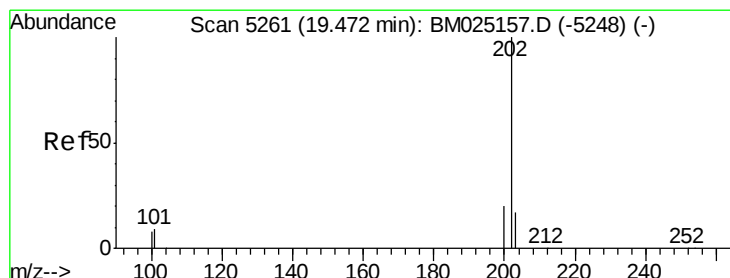
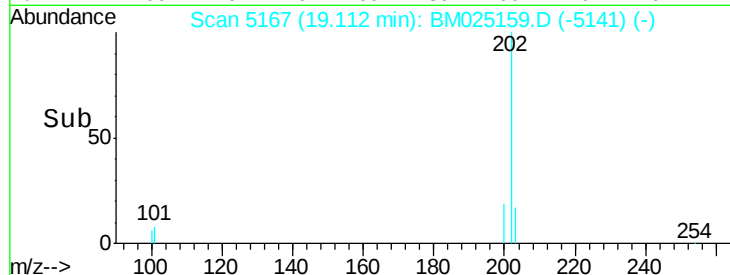
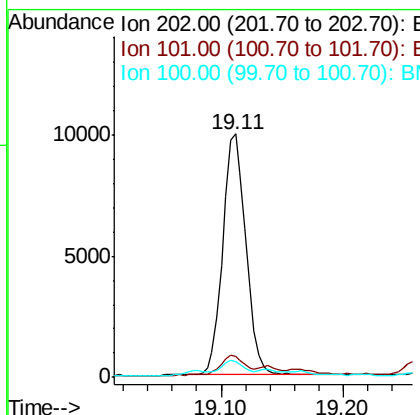
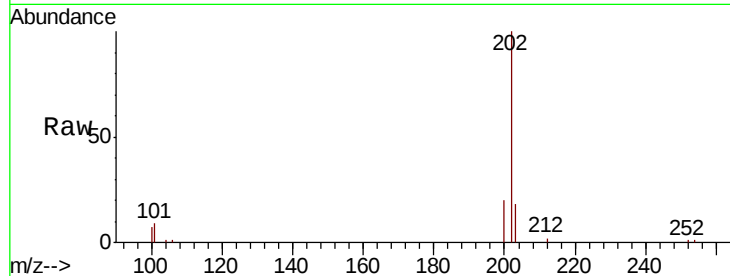
ClientSampled :

DBD37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 12956 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.7   | 0.0   | 29.4  |
| 100       | 6.6   | 0.0   | 28.0  |

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#17

Pyrene

Concen: 0.129 ng/ul m

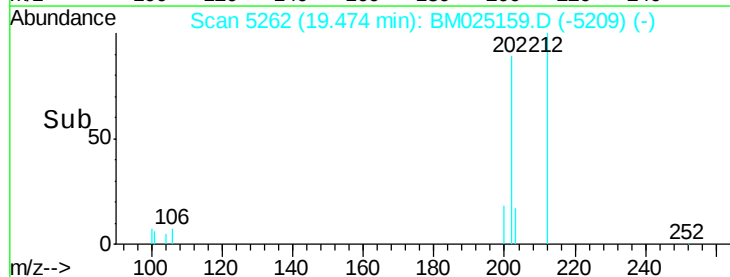
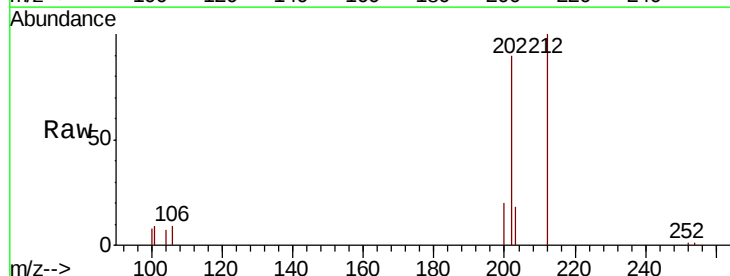
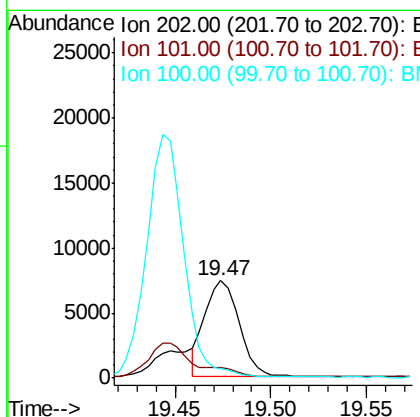
RT: 19.47 min Scan# 5262

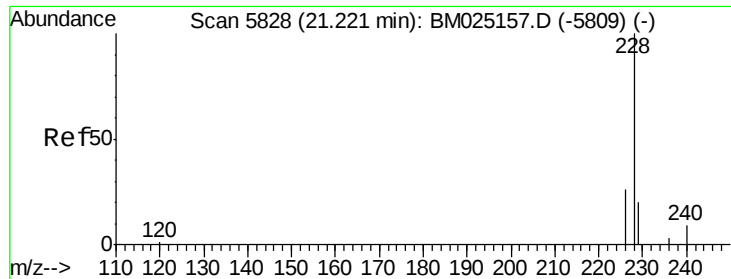
Delta R.T. 0.00 min

Lab File: BM025159.D

Acq: 29 Feb 2020 09:43

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 9348 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.5  | 8.7   | 13.1 |
| 100       | 9.3   | 7.3   | 10.9 |





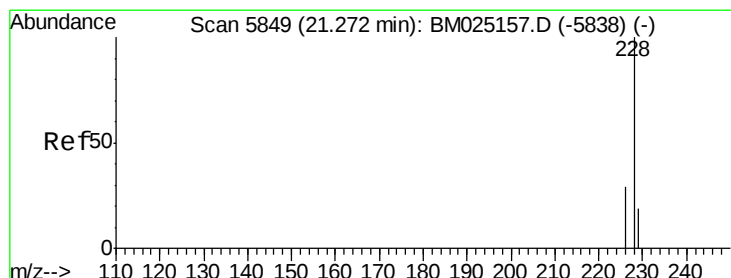
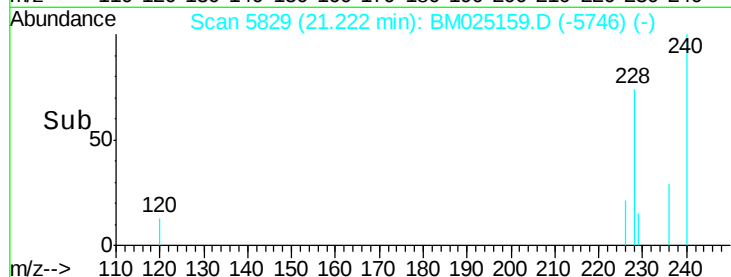
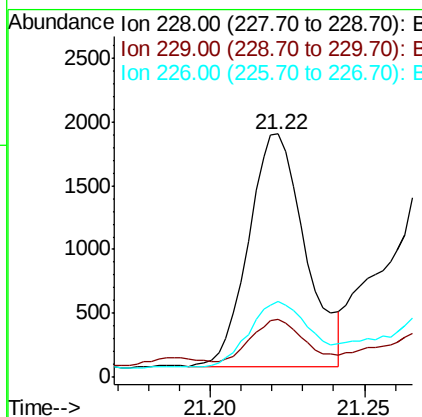
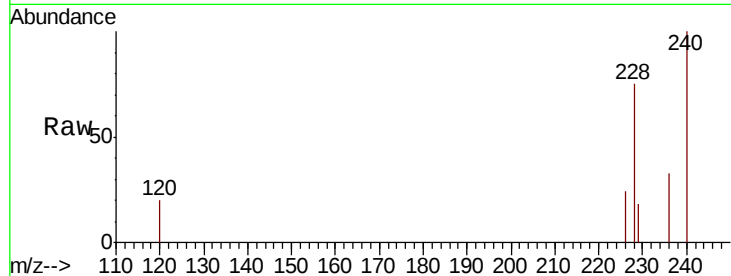
#18  
Benzo(a)anthracene  
Concen: 0.033 ng/u1  
RT: 21.22 min Scan# 5829  
Delta R.T. 0.00 min  
Lab File: BM025159.D  
Acq: 29 Feb 2020 09:43

Instrument :  
BNA\_M  
ClientSampleId :  
DBD37

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 23.6  | 16.6  | 25.0  |
| 226     | 31.2  | 21.9  | 32.9  |

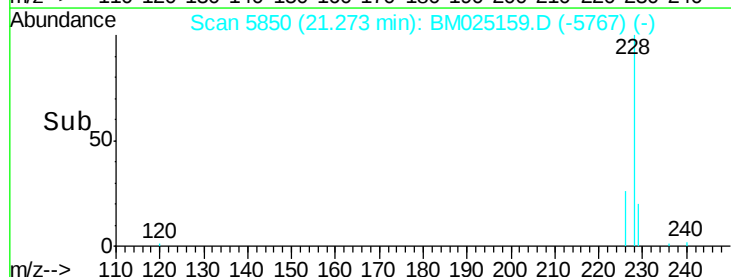
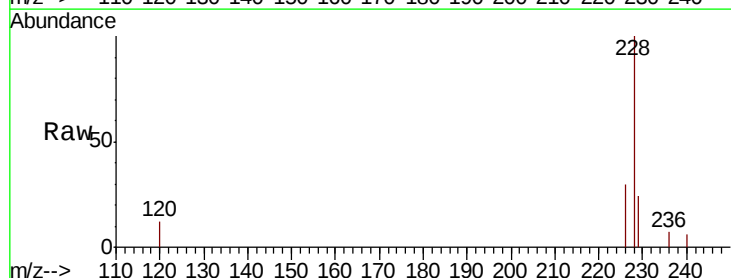
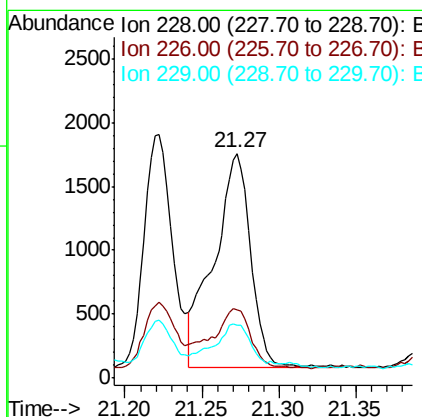
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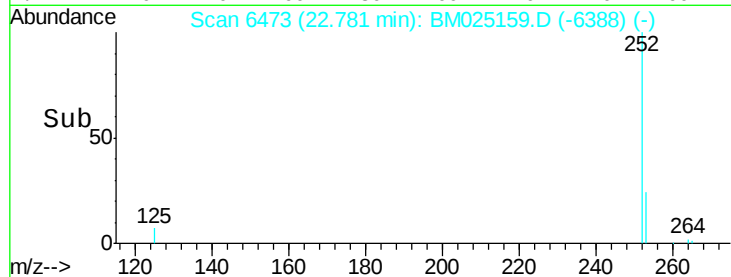
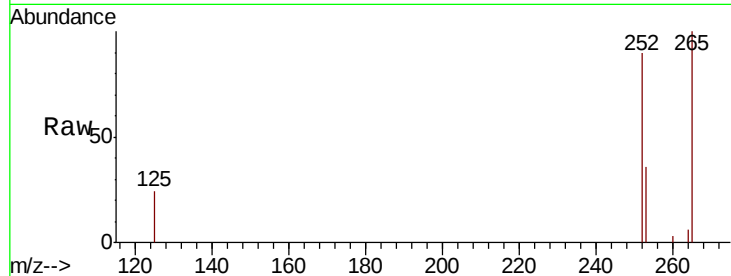
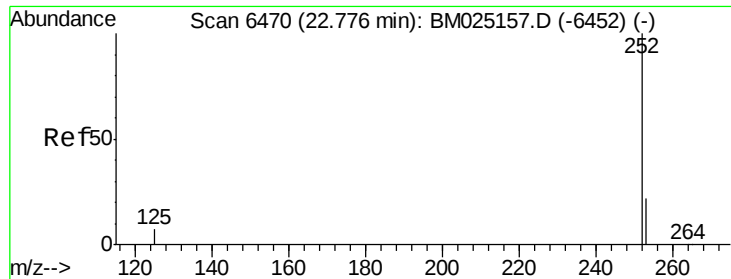
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#19  
Chrysene  
Concen: 0.040 ng/u1  
RT: 21.27 min Scan# 5850  
Delta R.T. 0.00 min  
Lab File: BM025159.D  
Acq: 29 Feb 2020 09:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 23.8  | 35.8  |
| 229     | 23.6  | 16.9  | 25.3  |





#21

Benzo(b)fluoranthene

Concen: 0.046 ng/ul m

RT: 22.78 min Scan# 6473

Delta R.T. 0.01 min

Lab File: BM025159.D

Acq: 29 Feb 2020 09:43

Instrument :

BNA\_M

ClientSampleId :

DBD37

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 252   | Resp: | 3342 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 39.5  | 0.0   | 49.8 |
| 125       | 27.0  | 0.0   | 28.6 |

Manual Integrations  
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