

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\  
 Data File : BM025238.D  
 Acq On : 04 Mar 2020 07:28  
 Operator : CG/JU  
 Sample : L1516-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD22

Manual Integrations  
 APPROVED

mohammad  
 3/5/2020 7:56:34 AM

Quant Time: Mar 04 08:19:28 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   | 7.68  | 152  | 4483     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.44 | 136  | 19600    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 14548    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 35017    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.23 | 240  | 35050    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.42 | 264  | 31470    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.04 | 152  | 7273     | 0.20   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.08 | 212  | 22405    | 0.20   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 5) 2-Methylnaphthalene      | 12.11 | 142  | 2270     | 0.053  | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.02 | 152  | 5123     | 0.075  | ng/ul  | 98       |
| 8) Acenaphthene             | 14.37 | 153  | 140642   | 2.662  | ng/ul  | 98       |
| 9) Fluorene                 | 15.36 | 166  | 103726   | 1.566  | ng/ul  | 95       |
| 12) Phenanthrene            | 17.09 | 178  | 408700   | 3.619  | ng/ul  | 95       |
| 13) Anthracene              | 17.18 | 178  | 41449    | 0.414  | ng/ul  | 96       |
| 15) Fluoranthene            | 19.11 | 202  | 662812   | 4.690  | ng/ul  | 94       |
| 17) Pyrene                  | 19.47 | 202  | 400263   | 3.011  | ng/ul  | 95       |
| 18) Benzo(a)anthracene      | 21.22 | 228  | 63519    | 0.493  | ng/ul  | 98       |
| 19) Chrysene                | 21.27 | 228  | 53143    | 0.375  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.77 | 252  | 20758m   | 0.165  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.81 | 252  | 8409m    | 0.064  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.33 | 252  | 7084     | 0.067  | ng/ul# | 92       |

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

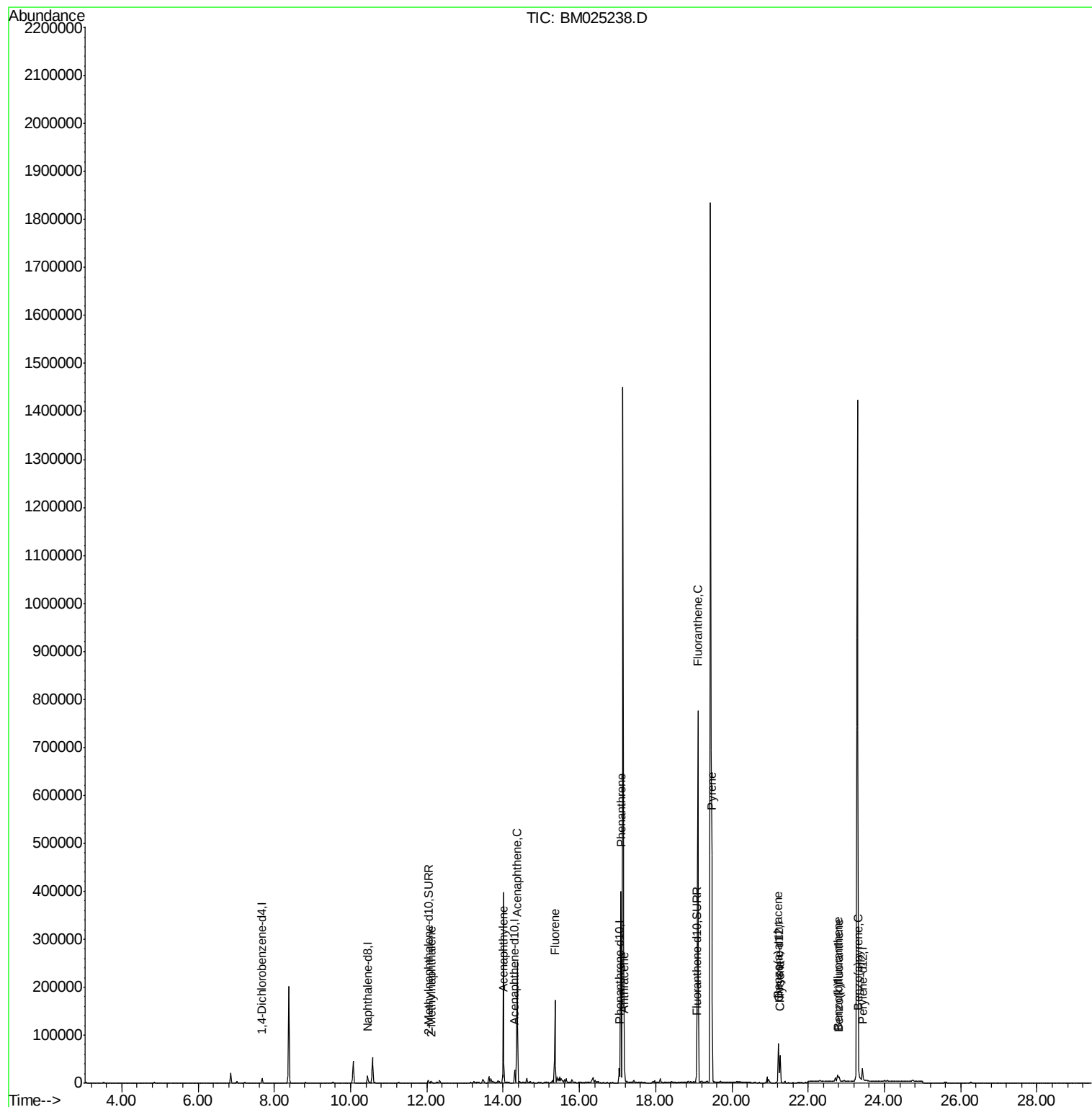
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\  
Data File : BM025238.D  
Acq On : 04 Mar 2020 07:28  
Operator : CG/JU  
Sample : L1516-04  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

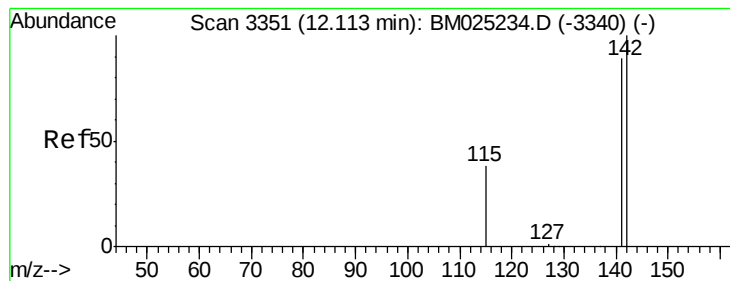
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Mar 04 08:19:28 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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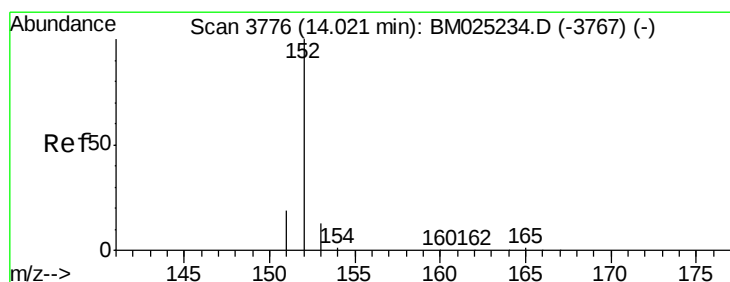
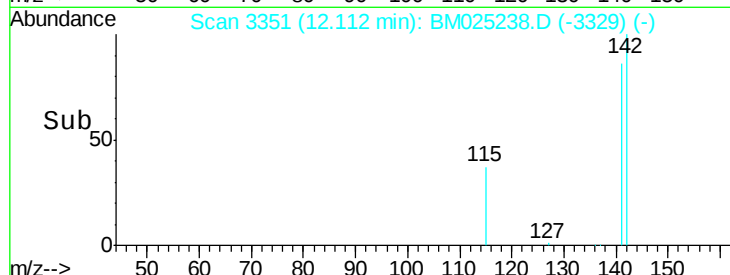
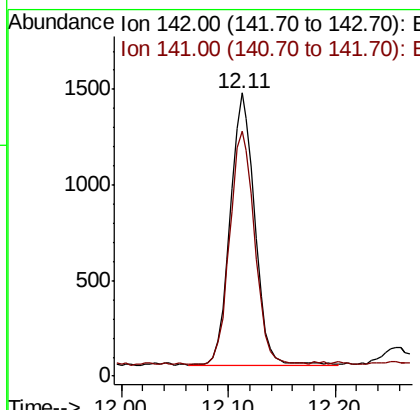
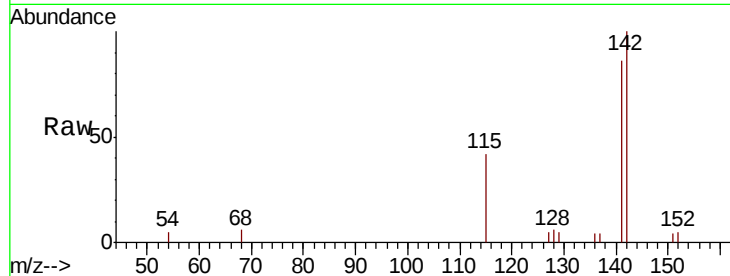
#5  
2-Methylnaphthalene  
Concen: 0.053 ng/ul  
RT: 12.11 min Scan# 3351  
Delta R.T. -0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

Instrument :  
BNA\_M  
ClientSampleId :  
DBD22

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.2  | 69.8  | 104.8 |

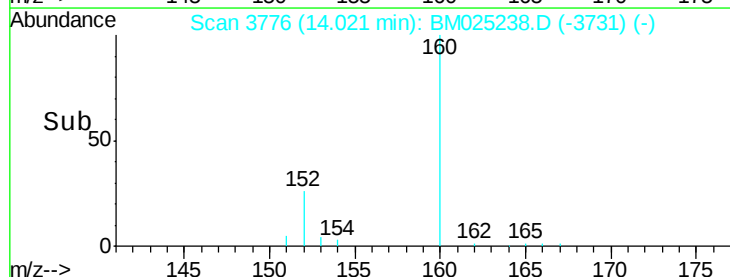
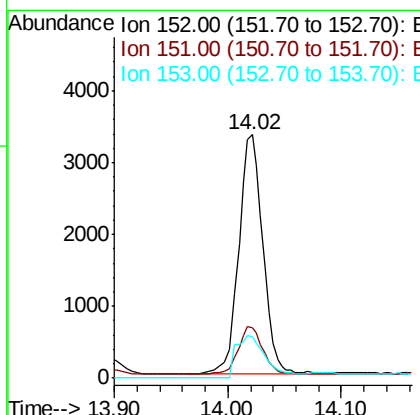
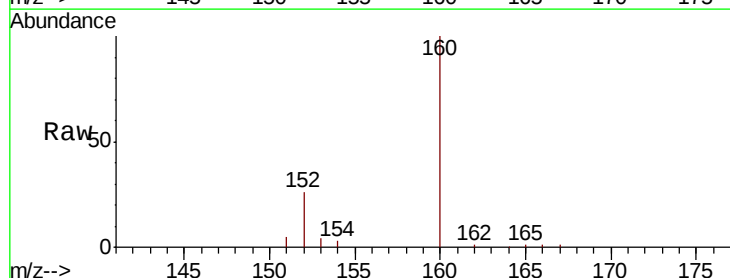
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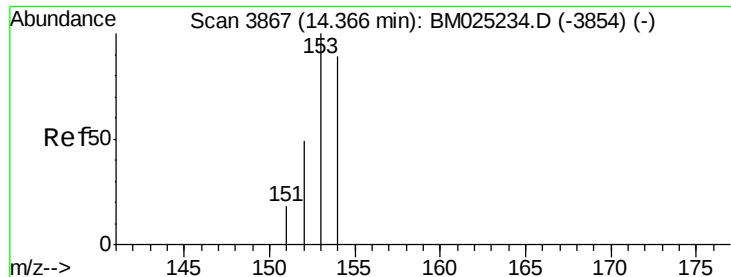
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#7  
Acenaphthylene  
Concen: 0.075 ng/ul  
RT: 14.02 min Scan# 3776  
Delta R.T. -0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.6  | 17.8  | 26.8  |
| 153     | 16.8  | 13.3  | 19.9  |





#8

Acenaphthene

Concen: 2.662 ng/ul

RT: 14.37 min Scan# 3867

Delta R.T. -0.00 min

Lab File: BM025238.D

Acq: 04 Mar 2020 07:28

Instrument :

BNA\_M

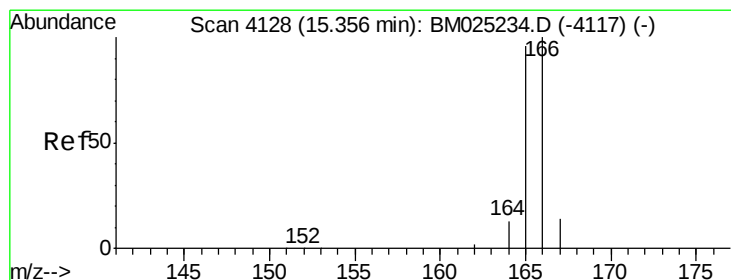
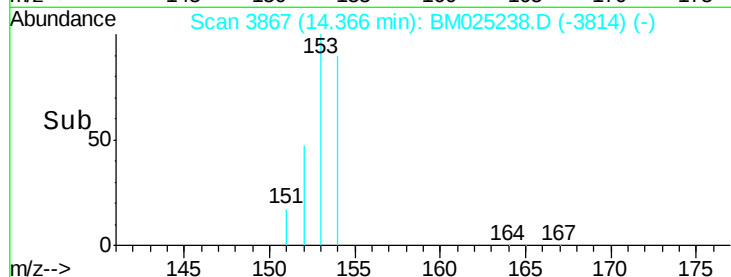
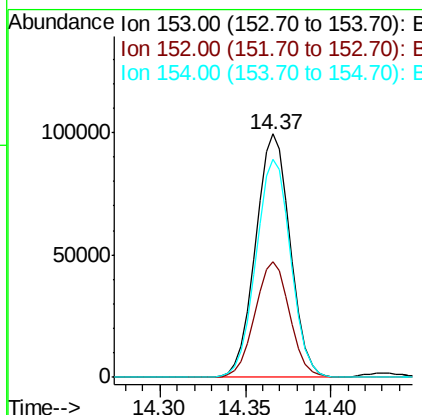
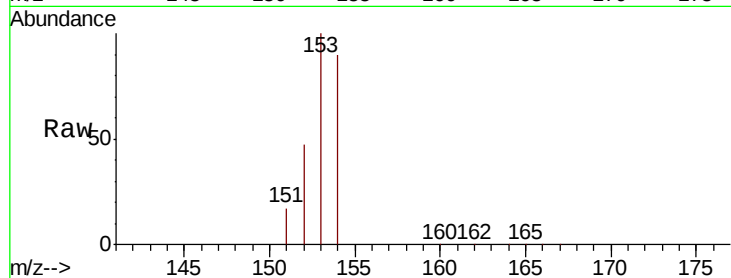
ClientSampleId :

DBD22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 153   | Resp: | 140642 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 47.3  | 40.0  | 60.0   |
| 154       | 89.6  | 71.0  | 106.6  |

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#9

Fluorene

Concen: 1.566 ng/ul

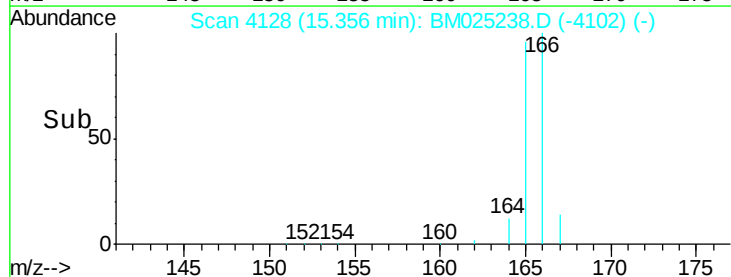
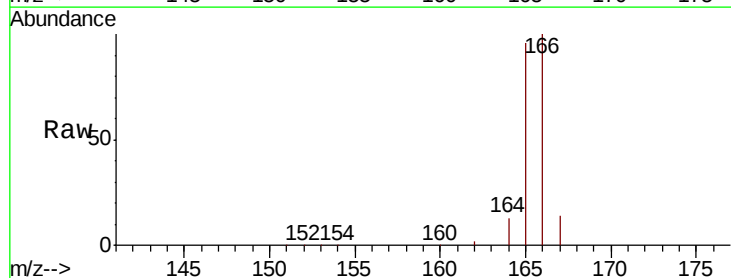
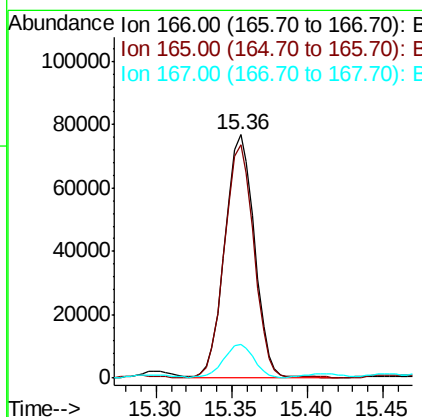
RT: 15.36 min Scan# 4128

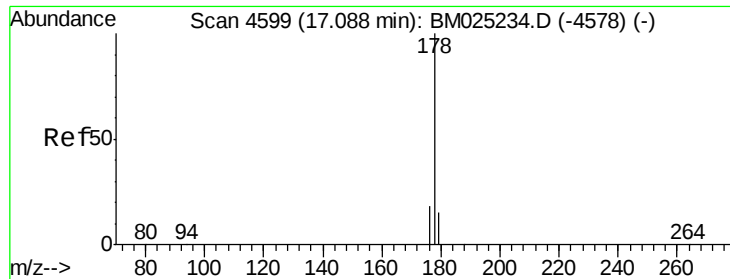
Delta R.T. -0.00 min

Lab File: BM025238.D

Acq: 04 Mar 2020 07:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 103726 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 95.8  | 80.0  | 120.0  |
| 167       | 14.1  | 13.7  | 20.5   |





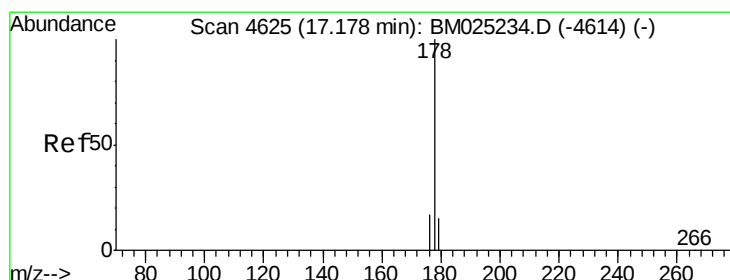
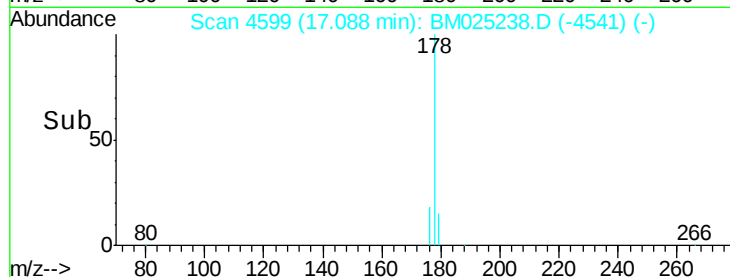
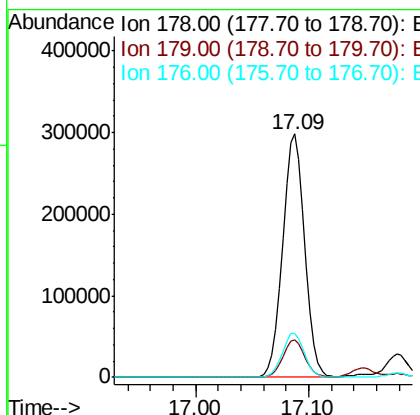
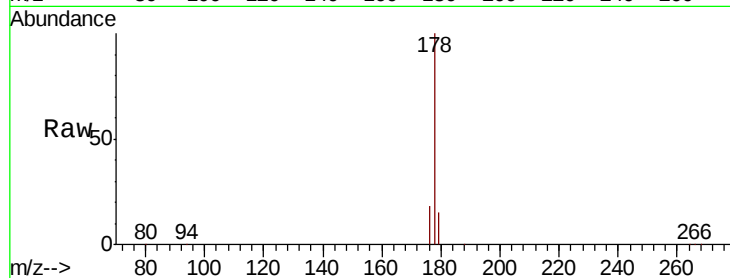
#12  
Phenanthrene  
Concen: 3.619 ng/ul  
RT: 17.09 min Scan# 4599  
Delta R.T. -0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

Instrument :  
BNA\_M  
ClientSampleId :  
DBD22

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.3  | 14.0  | 21.0  |
| 176     | 18.2  | 16.6  | 24.8  |

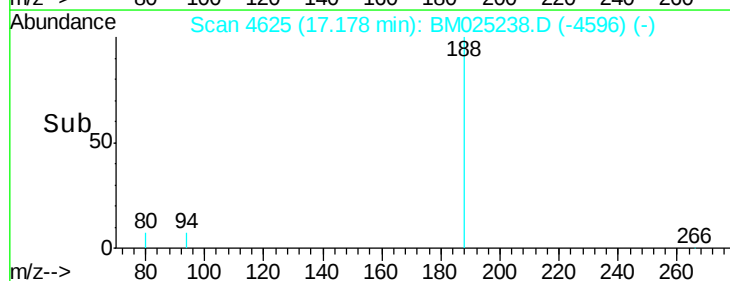
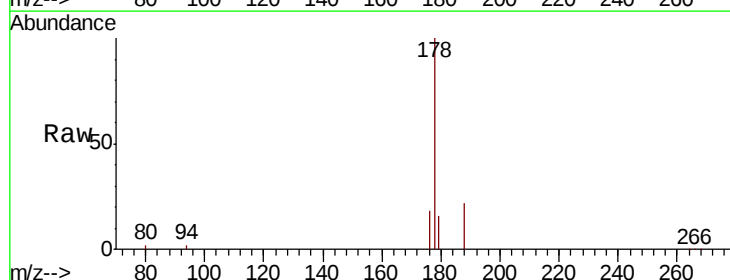
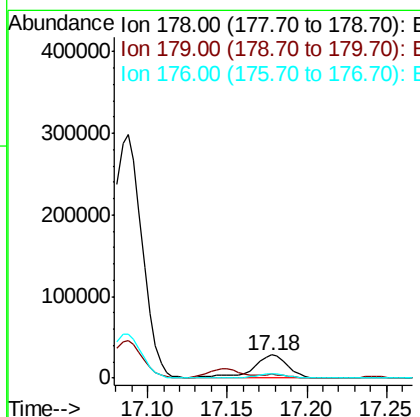
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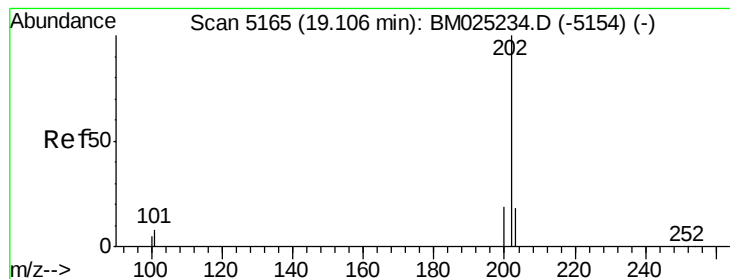
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#13  
Anthracene  
Concen: 0.414 ng/ul  
RT: 17.18 min Scan# 4625  
Delta R.T. -0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.1  | 14.1  | 21.1  |
| 176     | 18.1  | 16.2  | 24.4  |





#15

Fluoranthene

Concen: 4.690 ng/ul

RT: 19.11 min Scan# 5165

Delta R.T. 0.00 min

Lab File: BM025238.D

Acq: 04 Mar 2020 07:28

Instrument :

BNA\_M

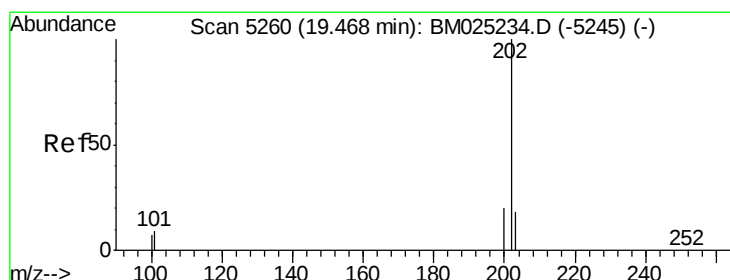
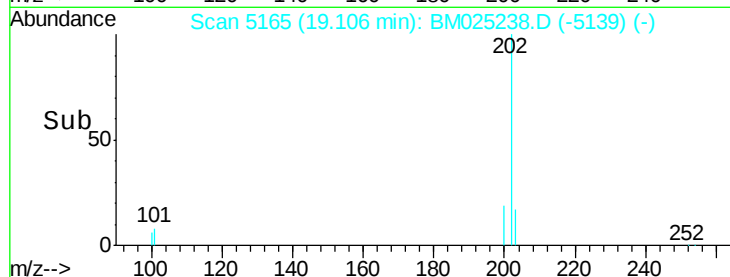
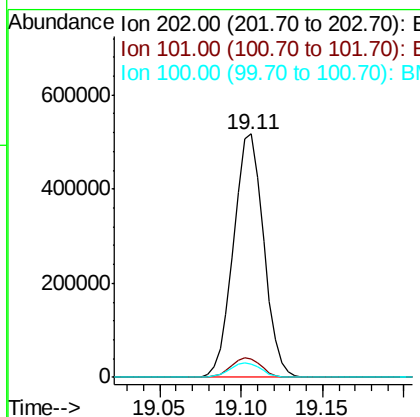
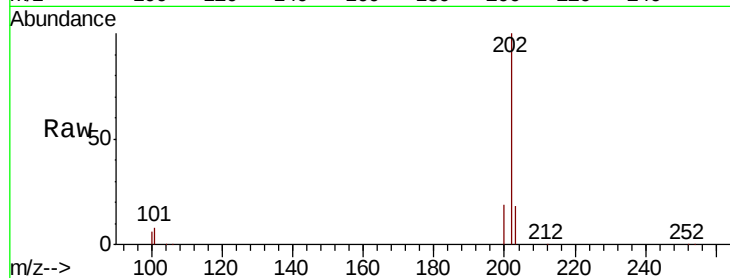
ClientSampleId :

DBD22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 662812 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 7.6   | 0.0   | 29.4   |
| 100       | 5.6   | 0.0   | 28.0   |

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#17

Pyrene

Concen: 3.011 ng/ul

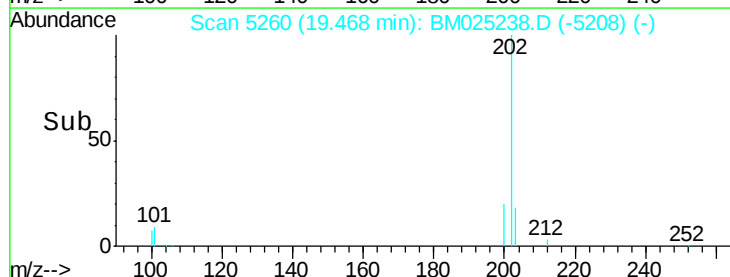
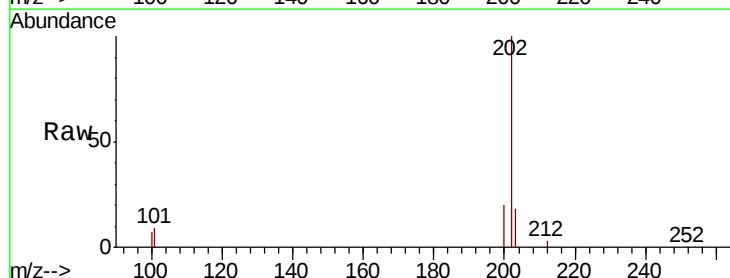
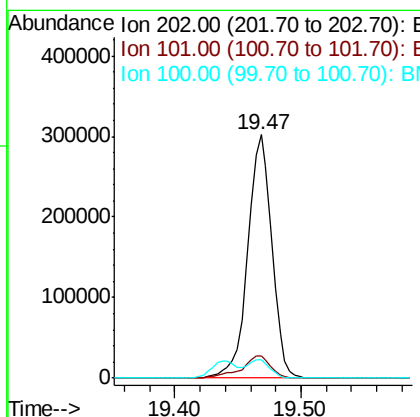
RT: 19.47 min Scan# 5260

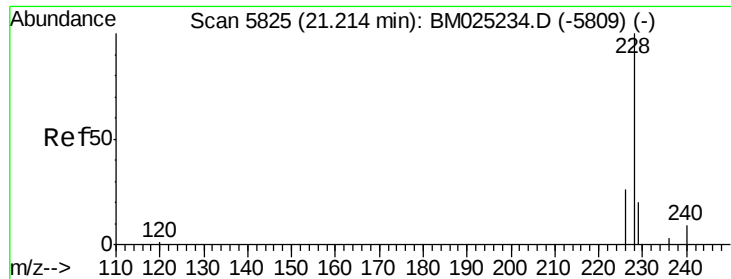
Delta R.T. 0.00 min

Lab File: BM025238.D

Acq: 04 Mar 2020 07:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 400263 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.0   | 8.7   | 13.1   |
| 100       | 7.3   | 7.3   | 10.9   |





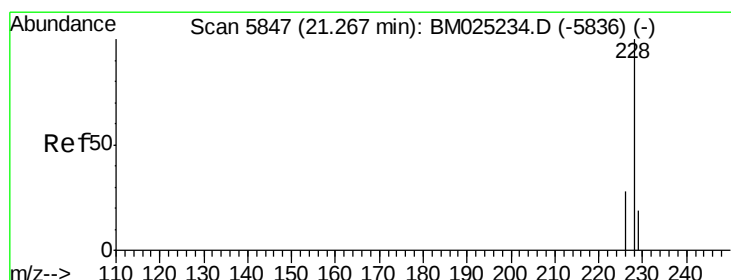
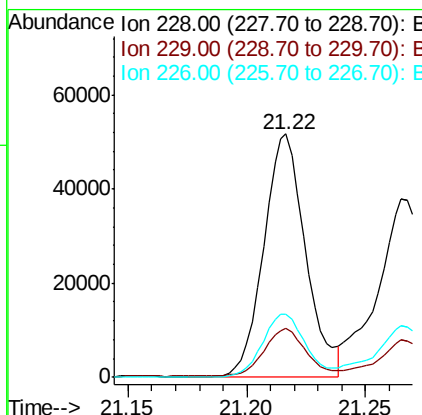
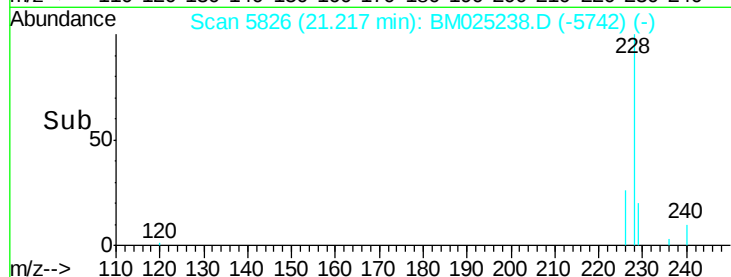
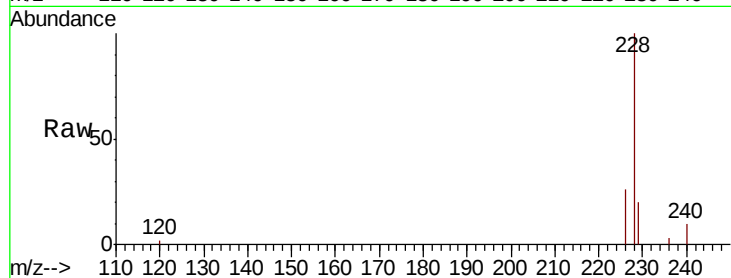
#18  
Benzo(a)anthracene  
Concen: 0.493 ng/ul  
RT: 21.22 min Scan# 5826  
Delta R.T. 0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

Instrument :  
BNA\_M  
ClientSampleId :  
DBD22

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.0  | 16.6  | 25.0  |
| 226     | 26.2  | 21.9  | 32.9  |

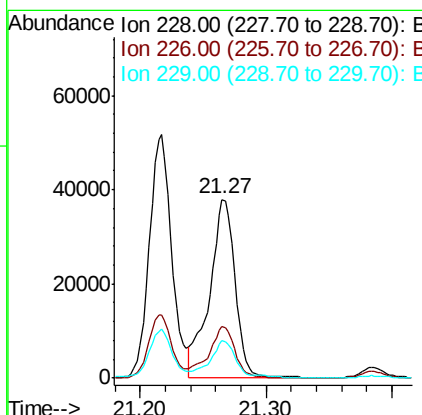
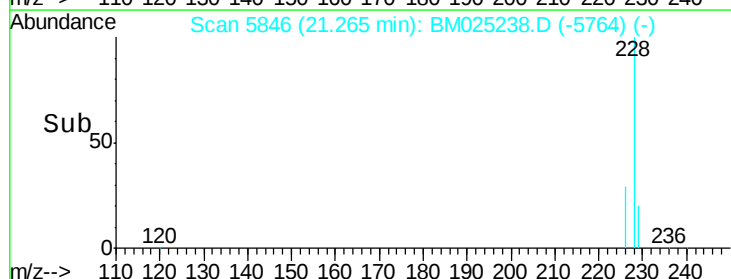
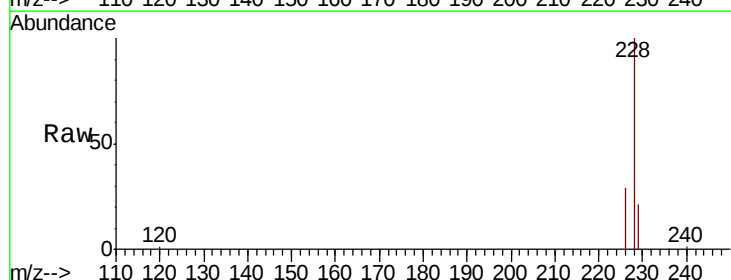
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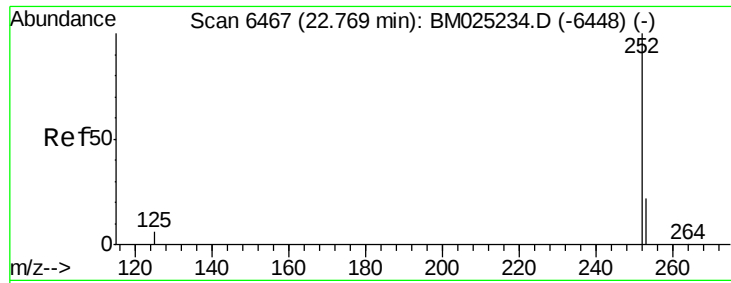
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#19  
Chrysene  
Concen: 0.375 ng/ul  
RT: 21.27 min Scan# 5846  
Delta R.T. -0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.0  | 23.8  | 35.8  |
| 229     | 20.8  | 16.9  | 25.3  |





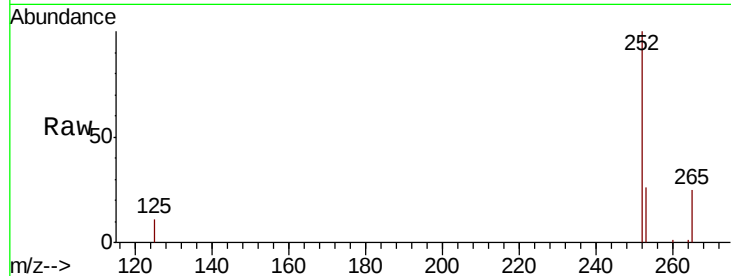
#21  
Benzo(b)fluoranthene  
Concen: 0.165 ng/ul m  
RT: 22.77 min Scan# 6469  
Delta R.T. 0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

Instrument :  
BNA\_M  
ClientSampleId :  
DBD22

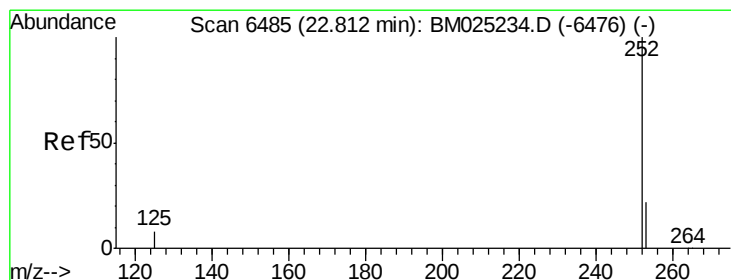
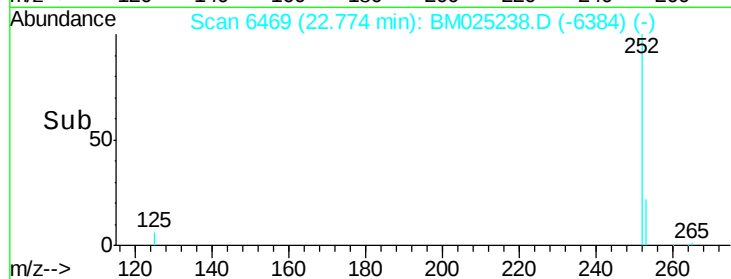
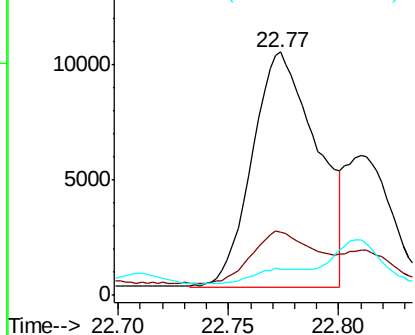
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.2  | 0.0   | 49.8  |
| 125     | 10.6  | 0.0   | 28.6  |

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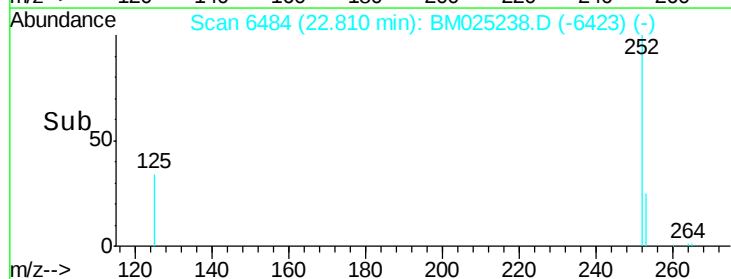
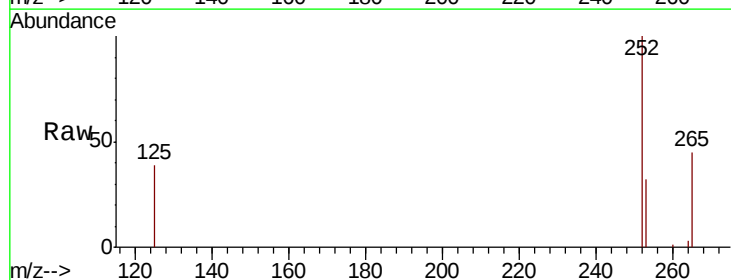
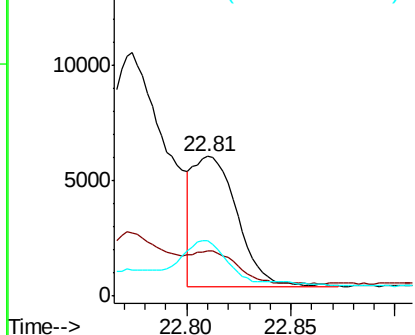
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Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

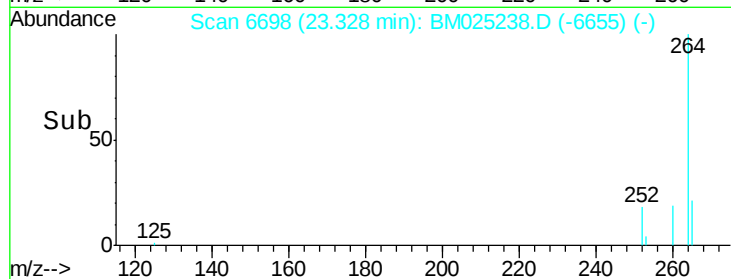
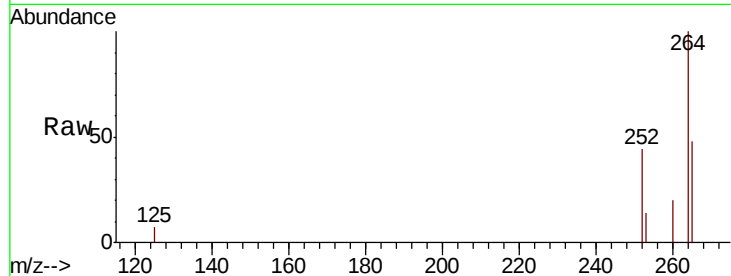
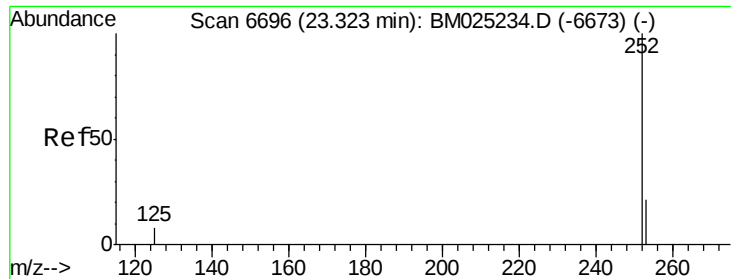


#22  
Benzo(k)fluoranthene  
Concen: 0.064 ng/ul m  
RT: 22.81 min Scan# 6484  
Delta R.T. -0.00 min  
Lab File: BM025238.D  
Acq: 04 Mar 2020 07:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.9  | 19.4  | 29.0# |
| 125     | 39.4  | 10.7  | 16.1# |

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





#23

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 23.33 min Scan# 6698

Delta R.T. 0.00 min

Lab File: BM025238.D

Acq: 04 Mar 2020 07:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 7084  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.9  | 20.3  | 30.5# |
| 125       | 16.5  | 13.0  | 19.4  |

Instrument :

BNA\_M

ClientSampleId :

DBD22

Manual Integrations  
APPROVED

mohammad  
3/5/2020 7:56:34 AM

