

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022520\  
 Data File : BM025091.D  
 Acq On : 26 Feb 2020 22:53  
 Operator : CG/JU  
 Sample : L1506-11  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBCY9

Manual Integrations  
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Quant Time: Feb 27 05:56:06 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 : Thu Feb 27 05:28:30 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 2238     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.46 | 136  | 9117     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.32 | 164  | 6156     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.06 | 188  | 14035m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.24 | 240  | 14670    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.44 | 264  | 16531    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.06 | 152  | 6316     | 0.37   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 17187    | 0.36   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.04 | 152  | 714      | 0.020  | ng/ul# | 75       |
| 12) Phenanthrene            | 17.10 | 178  | 1538     | 0.031  | ng/ul# | 87       |
| 13) Anthracene              | 17.19 | 178  | 1700     | 0.036  | ng/ul# | 91       |
| 15) Fluoranthene            | 19.12 | 202  | 6085     | 0.085  | ng/ul  | 98       |
| 17) Pyrene                  | 19.48 | 202  | 12791m   | 0.194  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.23 | 228  | 5471m    | 0.086  | ng/ul  |          |
| 19) Chrysene                | 21.28 | 228  | 8248     | 0.131  | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 22.79 | 252  | 21524m   | 0.332  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.83 | 252  | 6812m    | 0.106  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.35 | 252  | 9244     | 0.156  | ng/ul  | 95       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.63 | 276  | 6381     | 0.086  | ng/ul# | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.64 | 278  | 1713     | 0.027  | ng/ul# | 22       |
| 26) Benzo(g,h,i)perylene    | 26.29 | 276  | 5256     | 0.084  | ng/ul  | 96       |

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

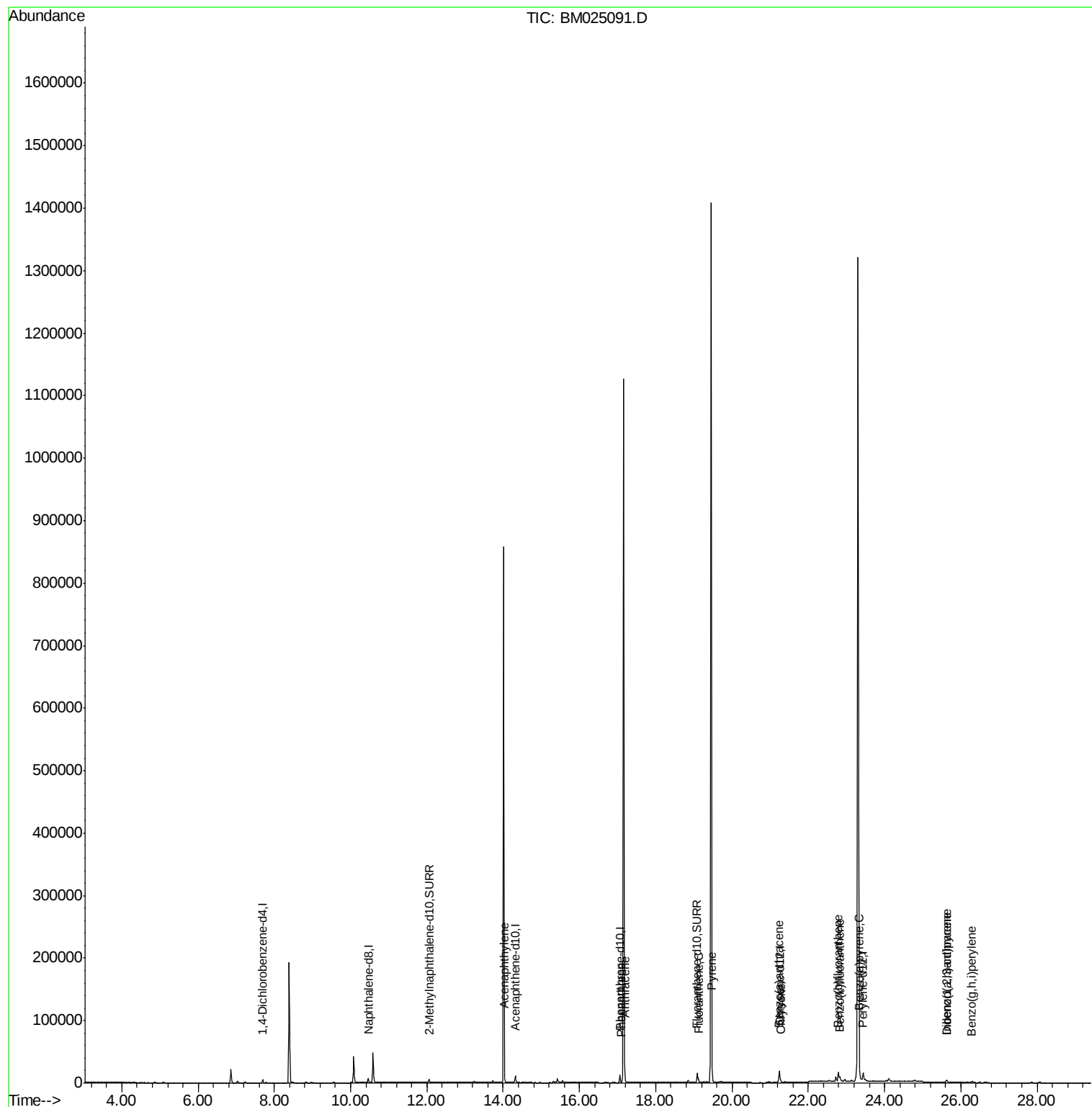
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022520\  
Data File : BM025091.D  
Acq On : 26 Feb 2020 22:53  
Operator : CG/JU  
Sample : L1506-11  
Misc :  
ALS Vial : 55 Sample Multiplier: 1

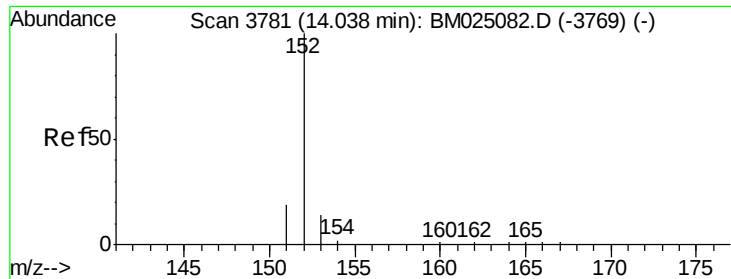
Instrument :  
BNA\_M  
ClientSampleId :  
DBCY9

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Quant Time: Feb 27 05:56:06 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 : Thu Feb 27 05:28:30 2020  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.020 ng/ul

RT: 14.04 min Scan# 3781

Delta R.T. -0.01 min

Lab File: BM025091.D

Acq: 26 Feb 2020 22:53

Instrument :

BNA\_M

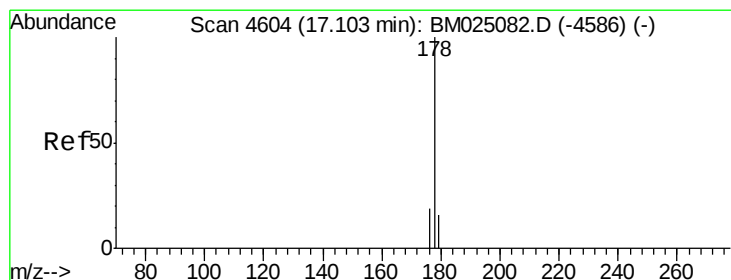
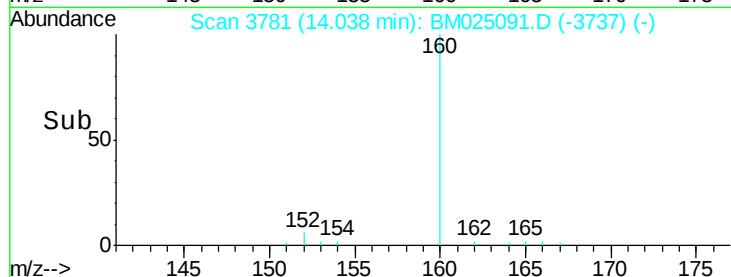
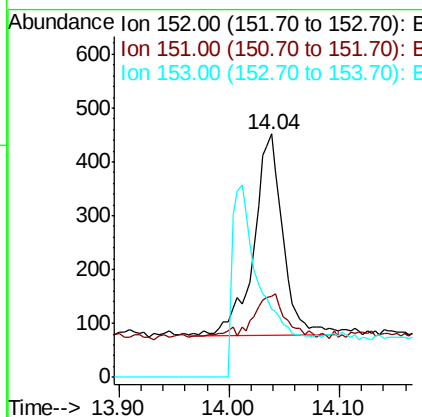
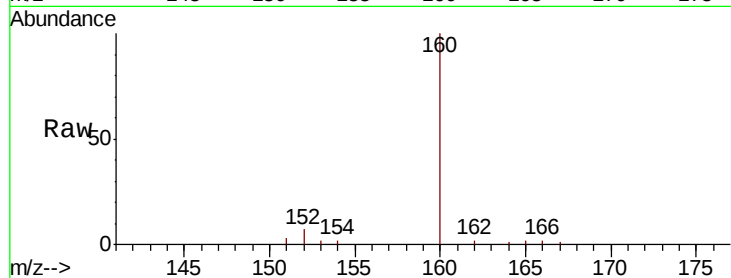
ClientSampleId :

DBCY9

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 714   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 33.4  | 17.8  | 26.8# |
| 153       | 28.1  | 13.3  | 19.9# |

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#12

Phenanthrene

Concen: 0.031 ng/ul

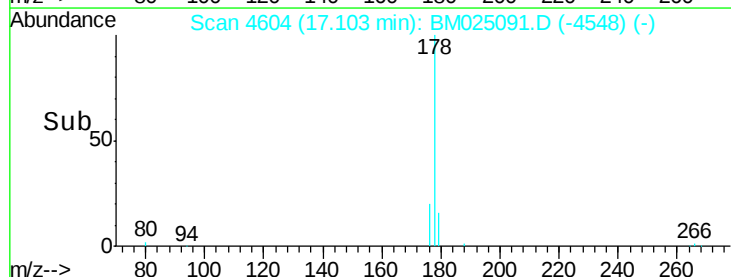
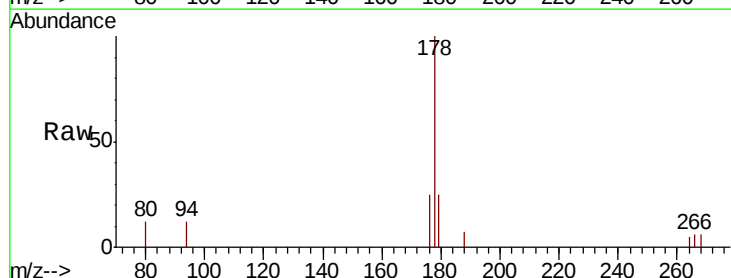
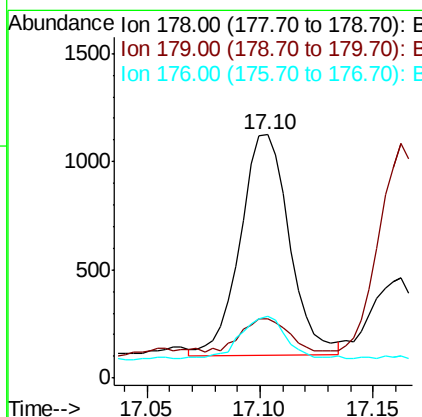
RT: 17.10 min Scan# 4604

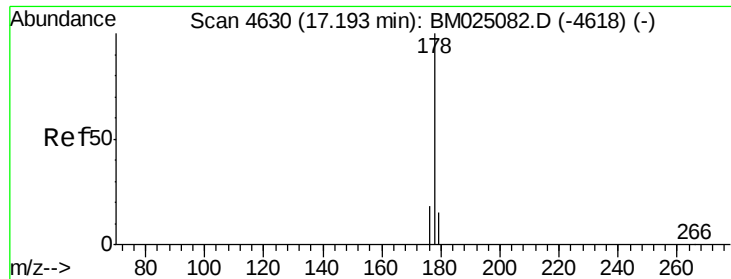
Delta R.T. -0.01 min

Lab File: BM025091.D

Acq: 26 Feb 2020 22:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 1538  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 24.5  | 14.0  | 21.0# |
| 176       | 25.4  | 16.6  | 24.8# |





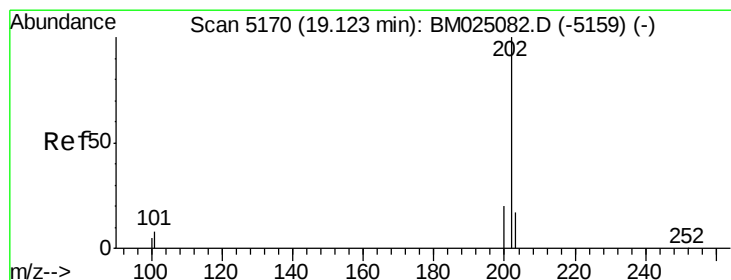
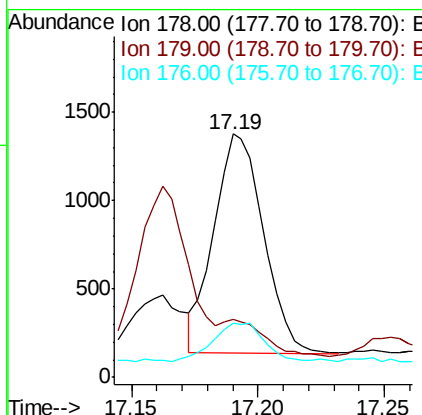
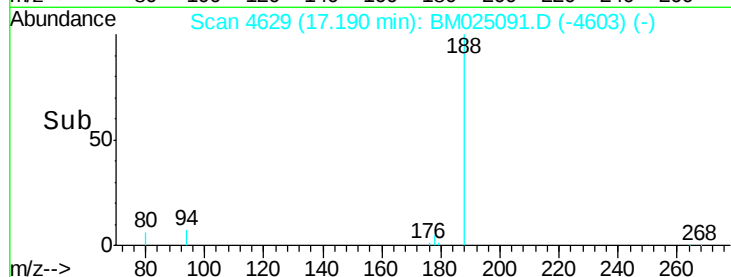
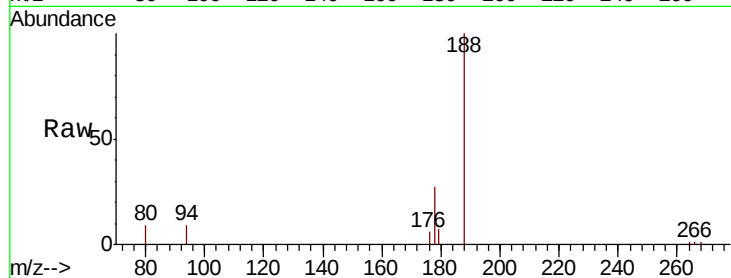
#13  
 Anthracene  
 Concen: 0.036 ng/ul  
 RT: 17.19 min Scan# 4629  
 Delta R.T. -0.01 min  
 Lab File: BM025091.D  
 Acq: 26 Feb 2020 22:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBCY9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 24.1  | 14.1  | 21.1# |
| 176     | 22.1  | 16.2  | 24.4  |

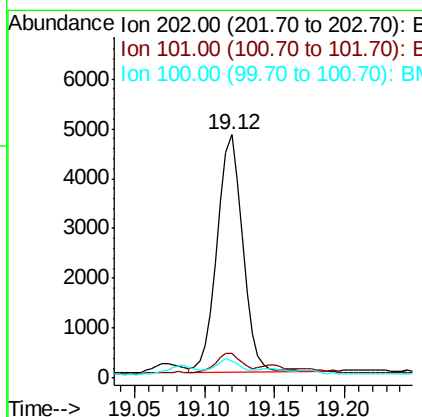
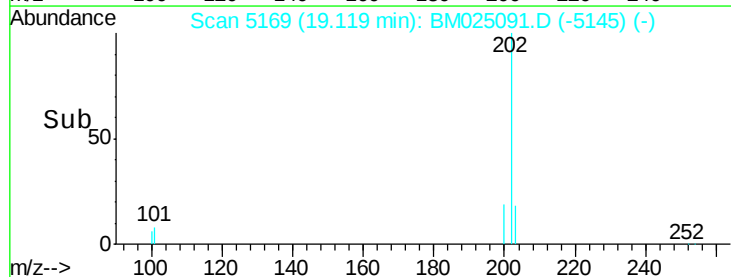
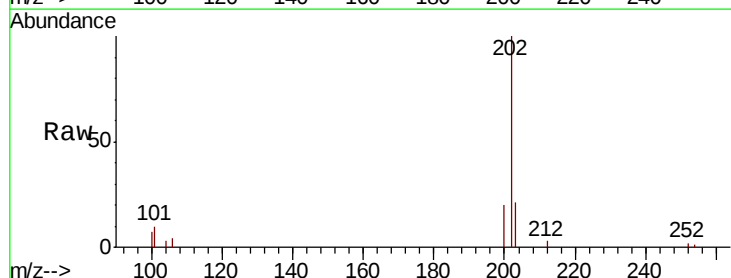
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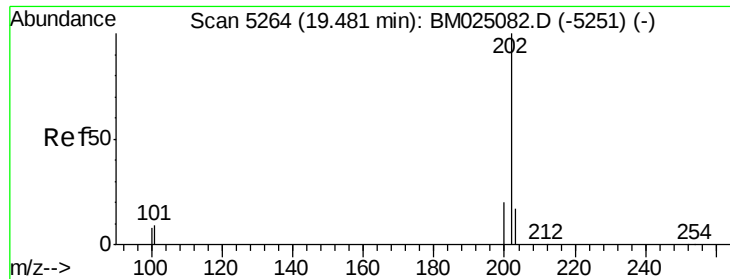
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#15  
 Fluoranthene  
 Concen: 0.085 ng/ul  
 RT: 19.12 min Scan# 5169  
 Delta R.T. -0.01 min  
 Lab File: BM025091.D  
 Acq: 26 Feb 2020 22:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.3  | 0.0   | 29.4  |
| 100     | 7.2   | 0.0   | 28.0  |





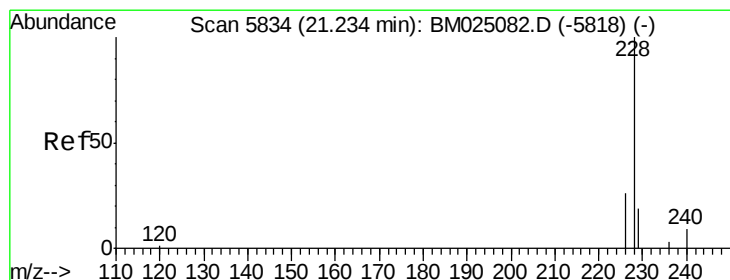
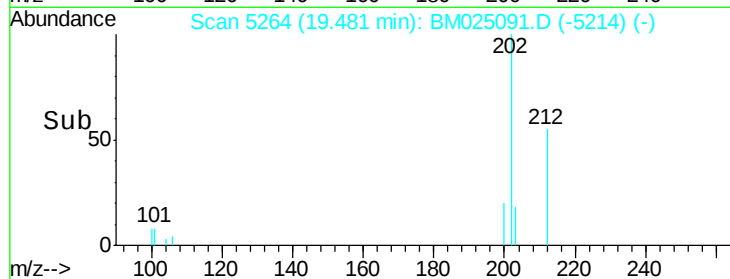
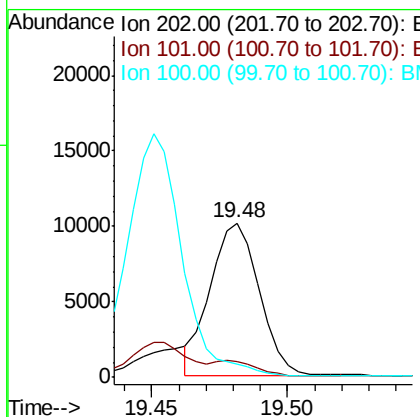
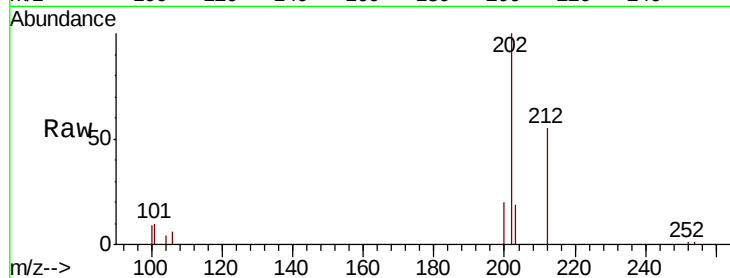
#17  
Pvrene  
Concen: 0.194 ng/ul m  
RT: 19.48 min Scan# 5264  
Delta R.T. -0.01 min  
Lab File: BM025091.D  
Acq: 26 Feb 2020 22:53

Instrument :  
BNA\_M  
ClientSampled :  
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| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 12791 |       |       |
| 101     | 9.8   | 8.7   | 13.1  |       |
| 100     | 8.9   | 7.3   | 10.9  |       |

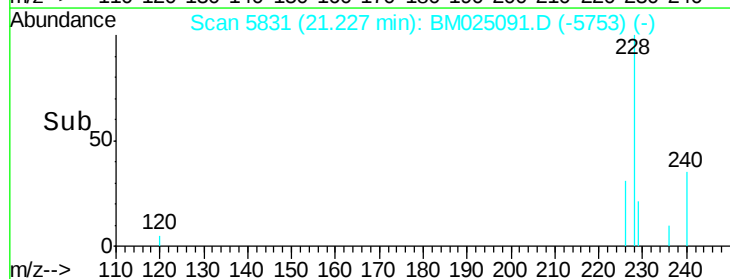
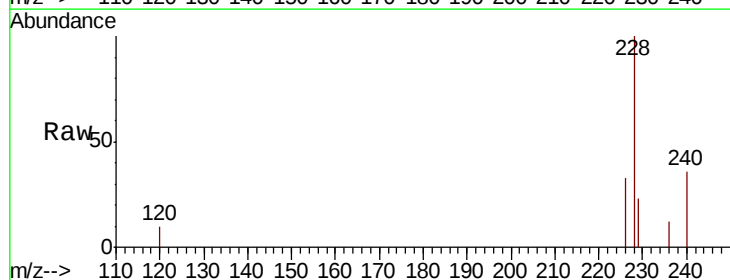
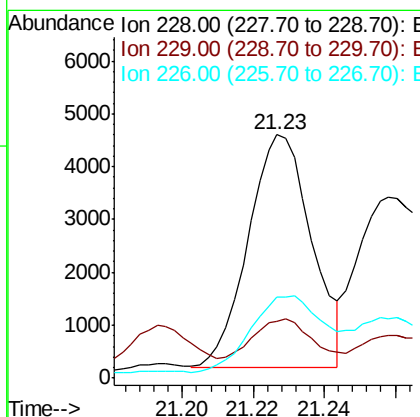
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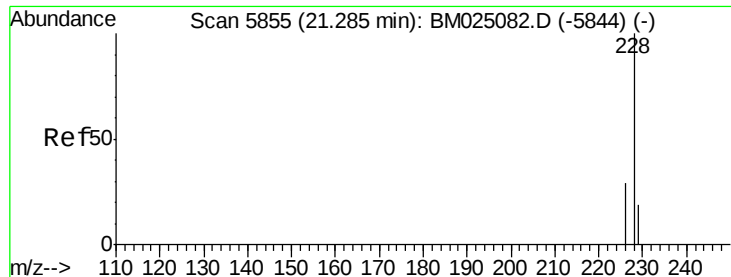
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#18  
Benzo(a)anthracene  
Concen: 0.086 ng/ul m  
RT: 21.23 min Scan# 5831  
Delta R.T. -0.01 min  
Lab File: BM025091.D  
Acq: 26 Feb 2020 22:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   | 5471 |       |       |
| 229     | 23.5  | 16.6 | 25.0  |       |
| 226     | 33.3  | 21.9 | 32.9  |       |





#19

Chrysene

Concen: 0.131 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.01 min

Lab File: BM025091.D

Acq: 26 Feb 2020 22:53

Instrument :

BNA\_M

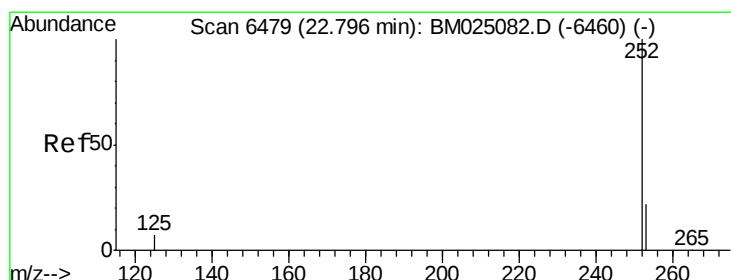
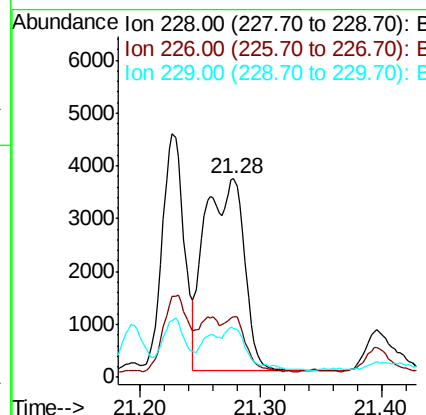
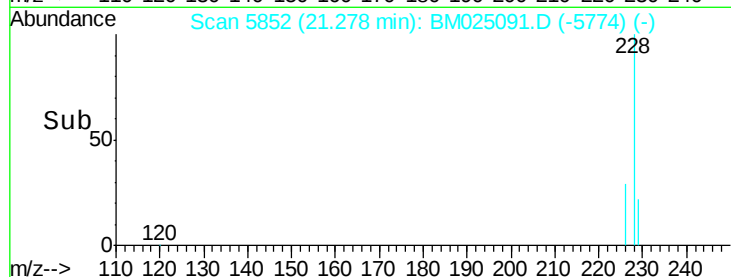
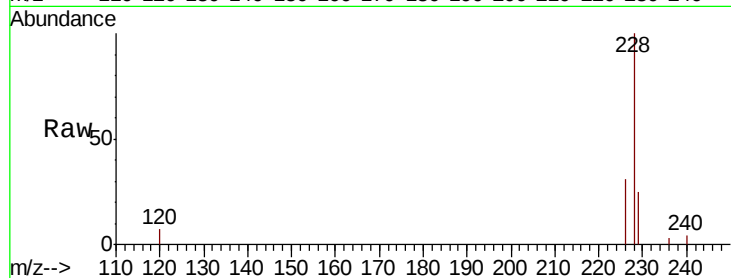
ClientSampleId :

DBCY9

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 228   | Resp: | 8248 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 30.6  | 23.8  | 35.8 |
| 229       | 24.9  | 16.9  | 25.3 |

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#21

Benzo(b)fluoranthene

Concen: 0.332 ng/ul m

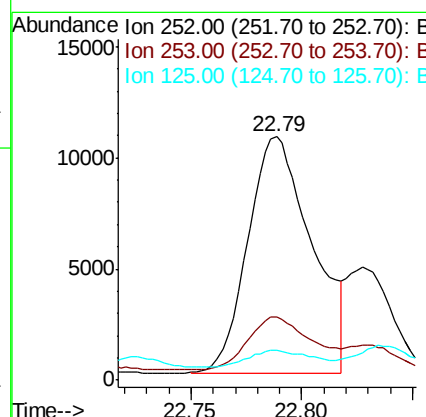
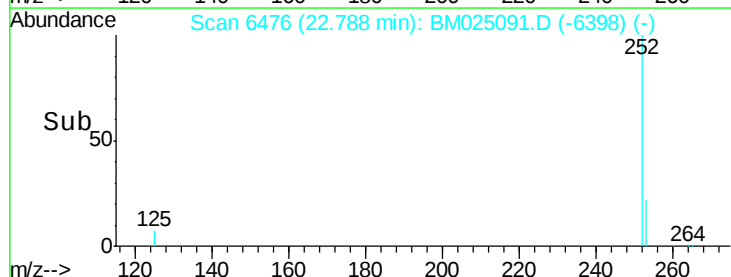
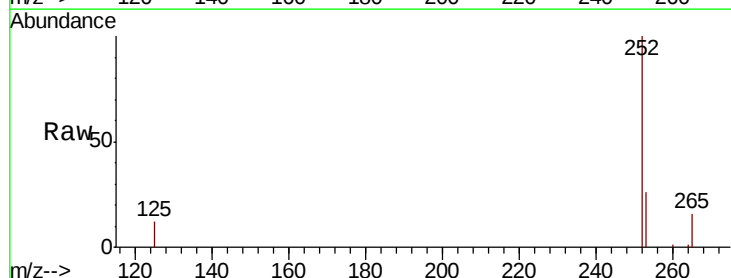
RT: 22.79 min Scan# 6476

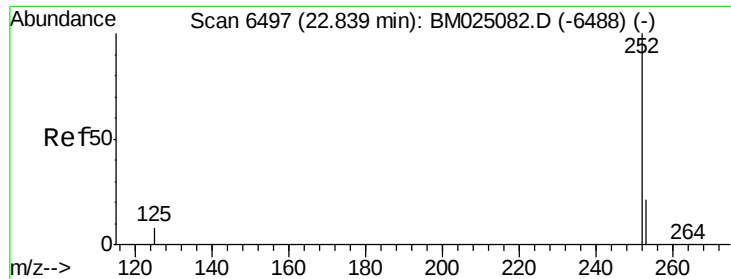
Delta R.T. -0.01 min

Lab File: BM025091.D

Acq: 26 Feb 2020 22:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 21524 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.7  | 0.0   | 49.8  |
| 125       | 12.1  | 0.0   | 28.6  |





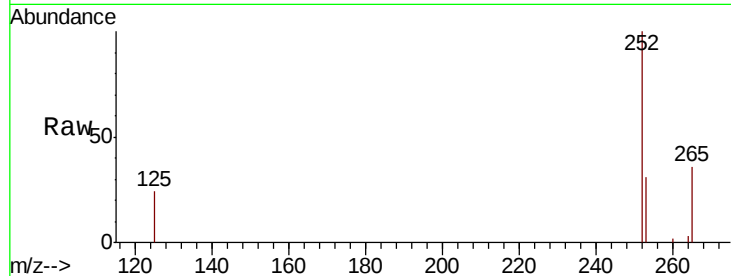
#22  
Benzo(k)fluoranthene  
Concen: 0.106 ng/ul m  
RT: 22.83 min Scan# 6492  
Delta R.T. -0.02 min  
Lab File: BM025091.D  
Acq: 26 Feb 2020 22:53

Instrument :  
BNA\_M  
ClientSampleId :  
DBCY9

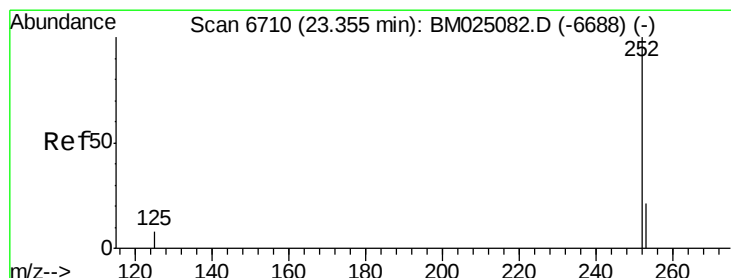
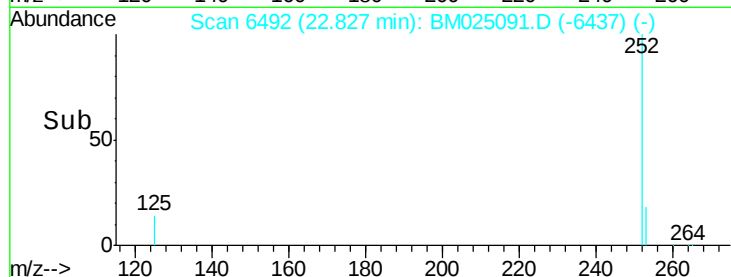
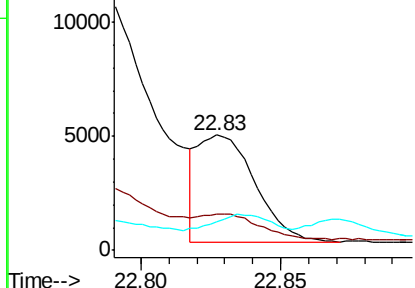
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.5  | 19.4  | 29.0# |
| 125     | 24.4  | 10.7  | 16.1# |

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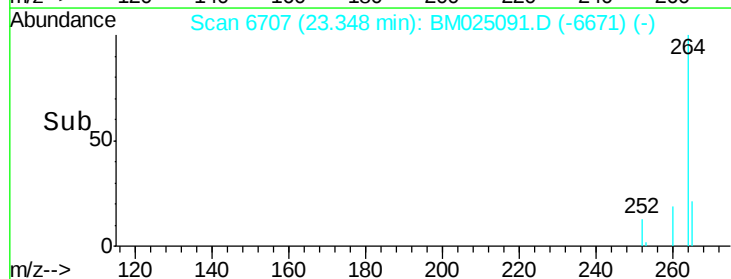
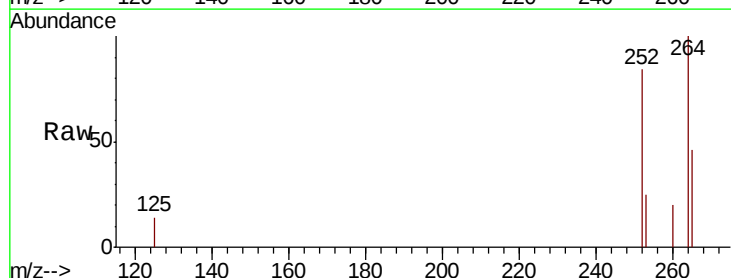
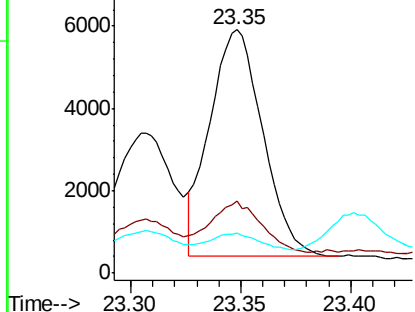
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

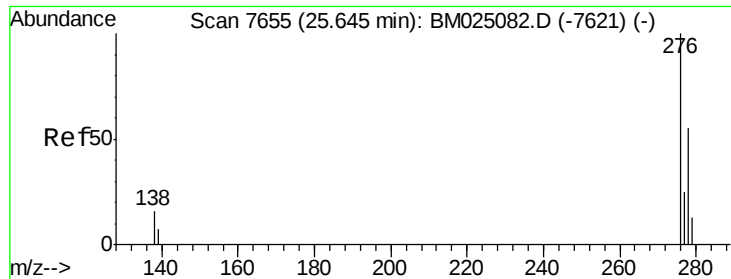


#23  
Benzo(a)pyrene  
Concen: 0.156 ng/ul  
RT: 23.35 min Scan# 6707  
Delta R.T. -0.01 min  
Lab File: BM025091.D  
Acq: 26 Feb 2020 22:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.6  | 20.3  | 30.5  |
| 125     | 16.2  | 13.0  | 19.4  |

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





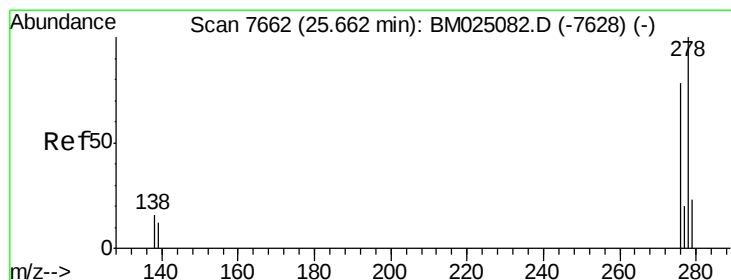
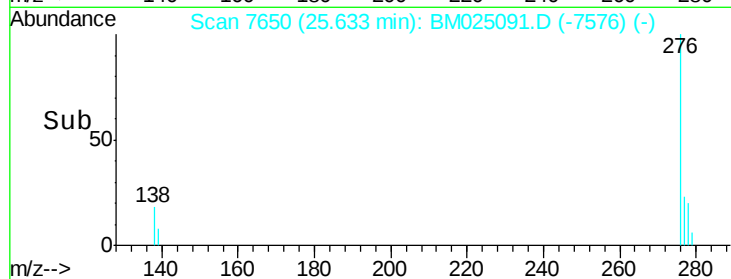
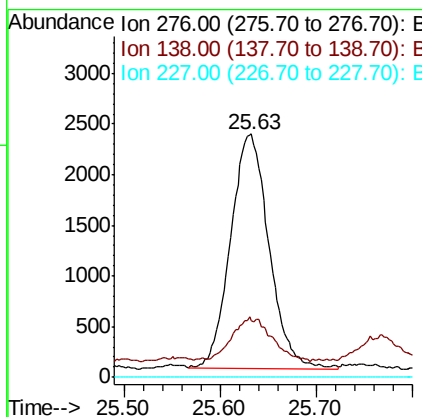
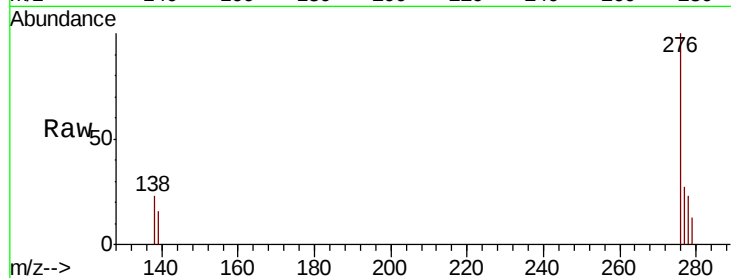
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.086 ng/u1  
RT: 25.63 min Scan# 7650  
Delta R.T. -0.02 min  
Lab File: BM025091.D  
Acq: 26 Feb 2020 22:53

Instrument :  
BNA\_M  
ClientSampleId :  
DBCY9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.0  | 0.0   | 0.0#  |
| 227     | 0.0   | 0.0   | 0.0   |

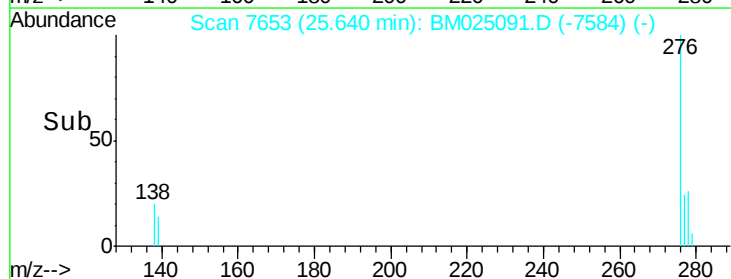
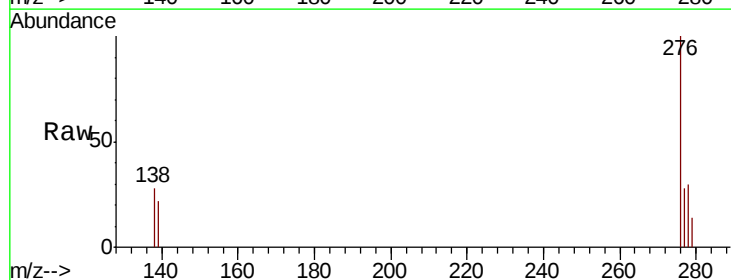
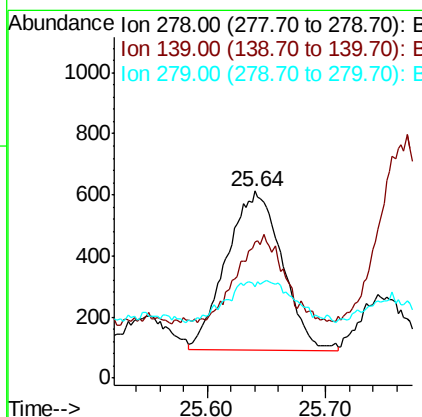
Manual Integrations  
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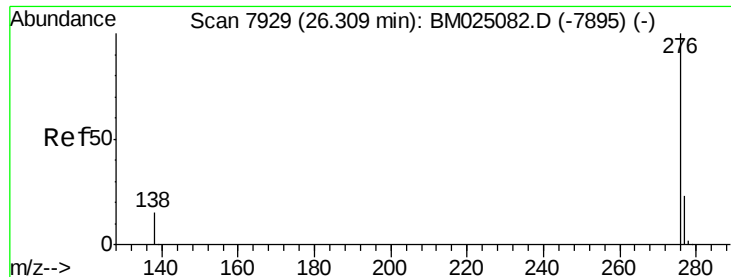
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#25  
Dibenzo(a,h)anthracene  
Concen: 0.027 ng/u1  
RT: 25.64 min Scan# 7653  
Delta R.T. -0.03 min  
Lab File: BM025091.D  
Acq: 26 Feb 2020 22:53

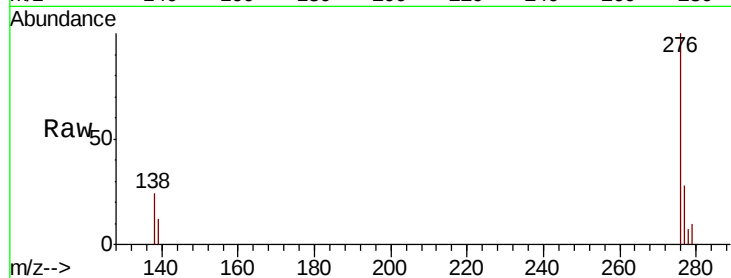
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 72.9  | 13.2  | 19.8# |
| 279     | 48.6  | 21.0  | 31.4# |





#26  
 Benzo(a,h,i)perylene  
 Concen: 0.084 ng/ul  
 RT: 26.29 min Scan# 7923  
 Delta R.T. -0.02 min  
 Lab File: BM025091.D  
 Acq: 26 Feb 2020 22:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBCY9



|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 5256 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 24.4  | 17.9  | 26.9 |
| 277       | 28.0  | 20.5  | 30.7 |

Manual Integrations  
 APPROVED

mohammad  
 2/27/2020 5:01:17 PM

