

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\  
 Data File : BM025176.D  
 Acq On : 29 Feb 2020 19:53  
 Operator : CG/JU  
 Sample : L1542-15  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD51

Manual Integrations  
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 3/3/2020 8:39:48 AM

Quant Time: Mar 02 03:02:03 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 02:08:15 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 2847     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.45 | 136  | 11184    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.31 | 164  | 7177     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 16277m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.24 | 240  | 16724    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.43 | 264  | 18908    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.05 | 152  | 4804     | 0.23   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.08 | 212  | 12136    | 0.22   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 8) Acenaphthene             | 14.37 | 153  | 1001     | 0.036  | ng/ul  | 94       |
| 9) Fluorene                 | 15.36 | 166  | 1013     | 0.029  | ng/ul# | 96       |
| 12) Phenanthrene            | 17.09 | 178  | 3697     | 0.065  | ng/ul  | 99       |
| 15) Fluoranthene            | 19.11 | 202  | 4450     | 0.054  | ng/ul  | 98       |
| 17) Pyrene                  | 19.47 | 202  | 4951     | 0.066  | ng/ul# | 96       |

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

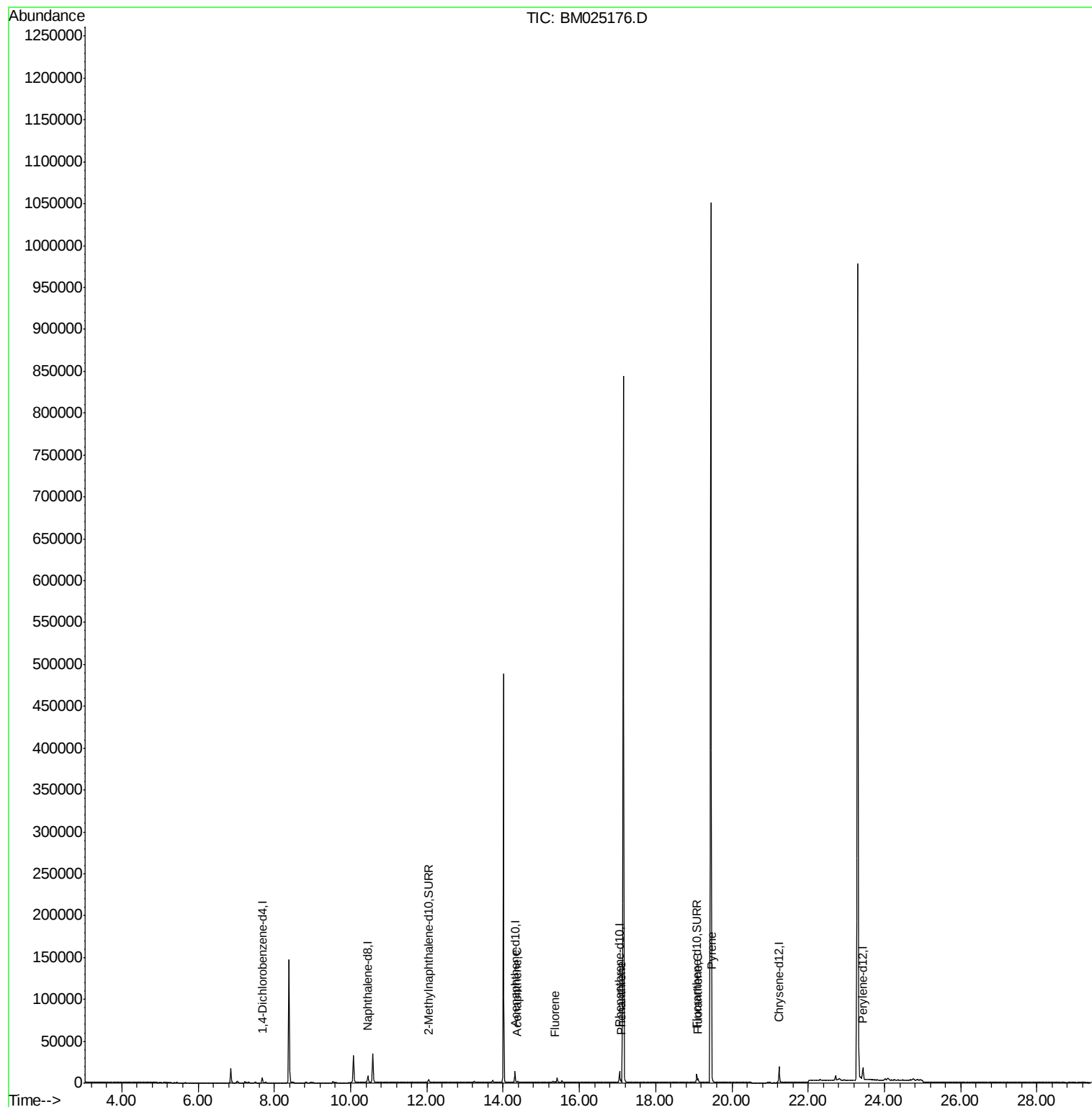
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\  
Data File : BM025176.D  
Acq On : 29 Feb 2020 19:53  
Operator : CG/JU  
Sample : L1542-15  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

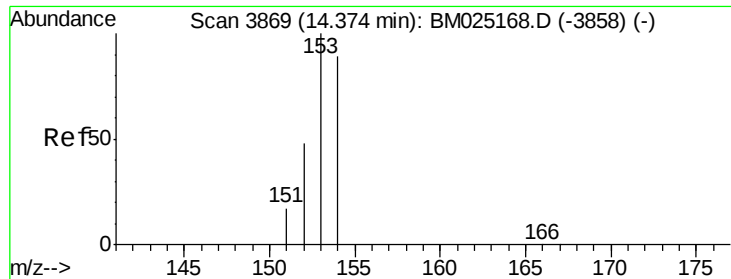
Instrument :  
BNA\_M  
ClientSampleId :  
DBD51

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Quant Time: Mar 02 03:02:03 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 02:08:15 2020  
Response via : Initial Calibration





#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.37 min Scan# 3868

Delta R.T. -0.00 min

Lab File: BM025176.D

Acq: 29 Feb 2020 19:53

Instrument :

BNA\_M

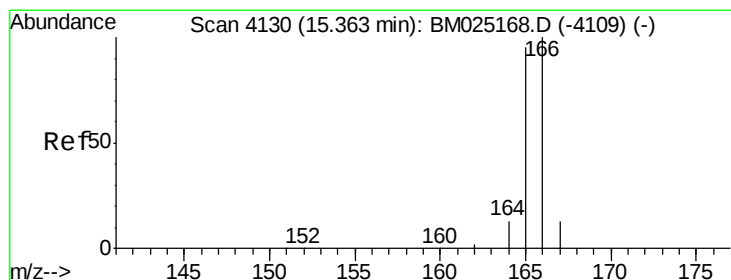
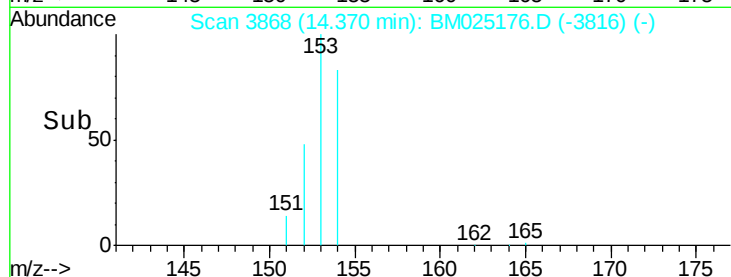
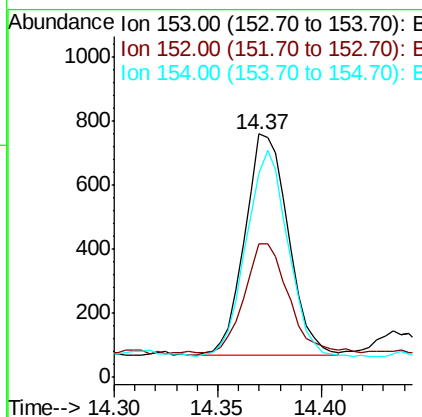
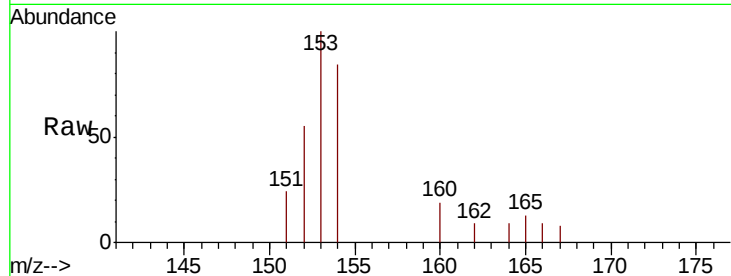
ClientSampled :

DBD51

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 153   | Resp: | 1001  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 54.7  | 40.0  | 60.0  |
| 154      | 83.8  | 71.0  | 106.6 |

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#9

Fluorene

Concen: 0.029 ng/ul

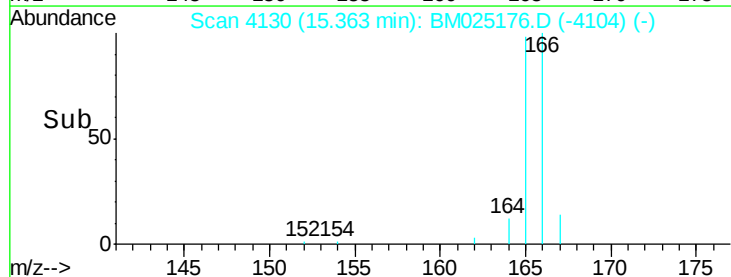
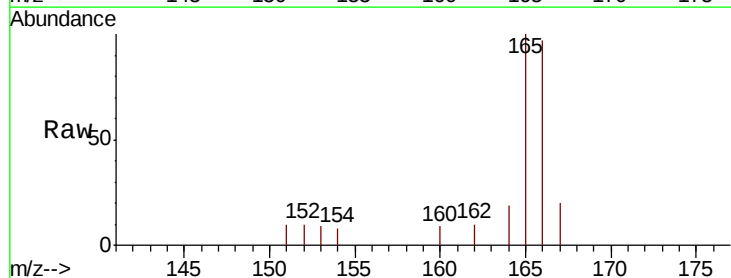
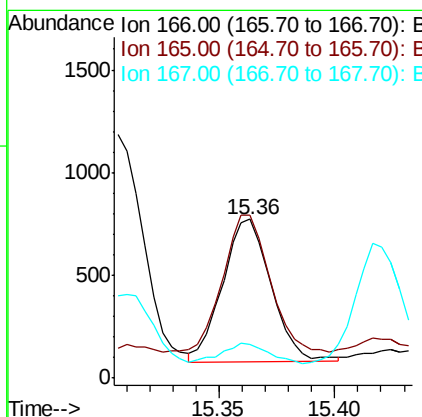
RT: 15.36 min Scan# 4130

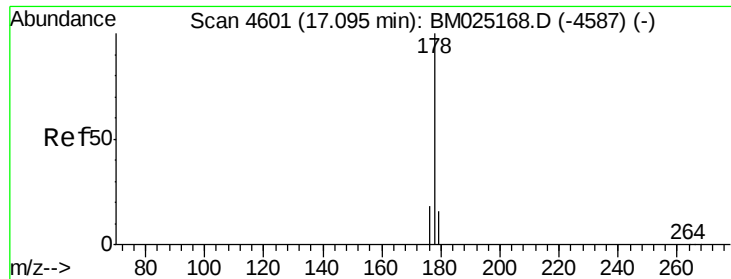
Delta R.T. 0.00 min

Lab File: BM025176.D

Acq: 29 Feb 2020 19:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 1013  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 103.0 | 80.0  | 120.0 |
| 167      | 21.0  | 13.7  | 20.5# |





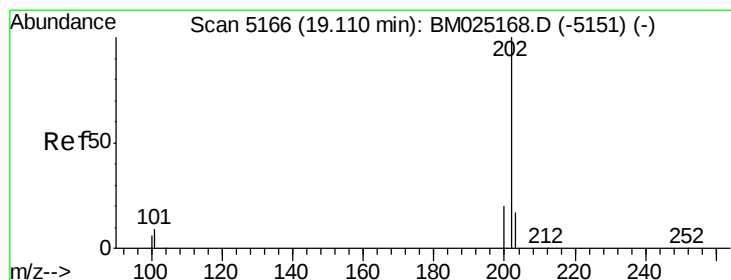
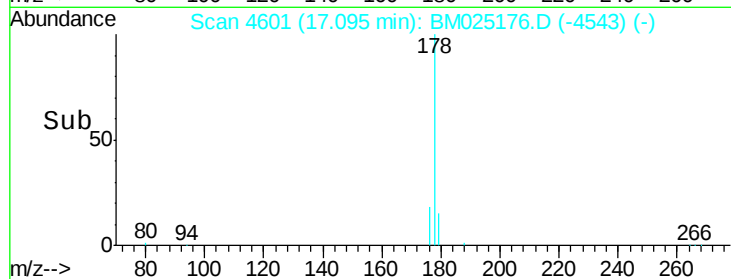
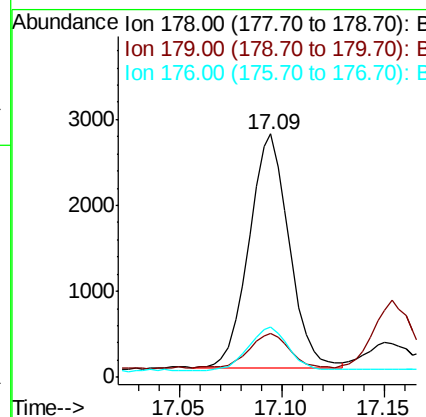
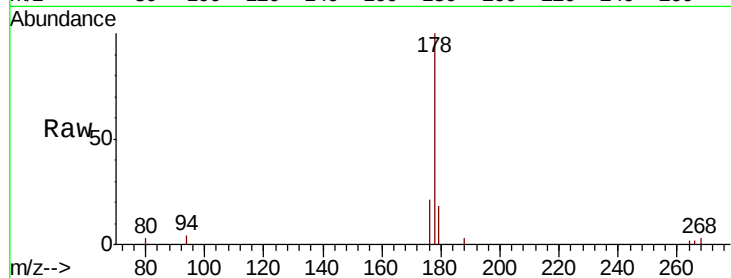
#12  
Phenanthrene  
Concen: 0.065 ng/ul  
RT: 17.09 min Scan# 4601  
Delta R.T. 0.00 min  
Lab File: BM025176.D  
Acq: 29 Feb 2020 19:53

Instrument :  
BNA\_M  
ClientSampleId :  
DBD51

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 18.0  | 14.0  | 21.0  |
| 176     | 20.5  | 16.6  | 24.8  |

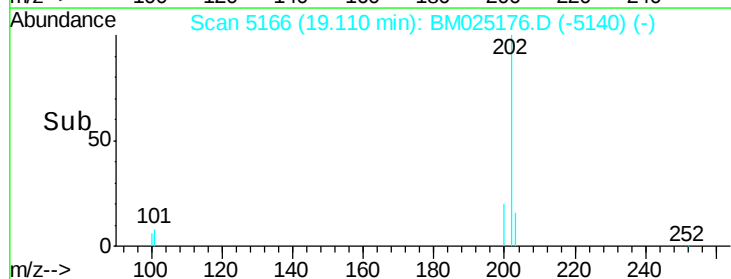
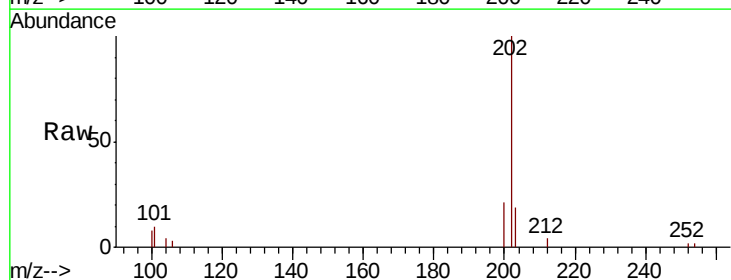
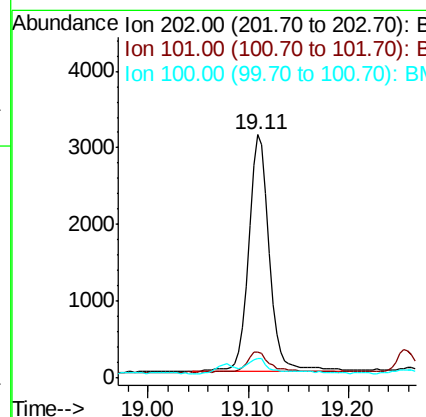
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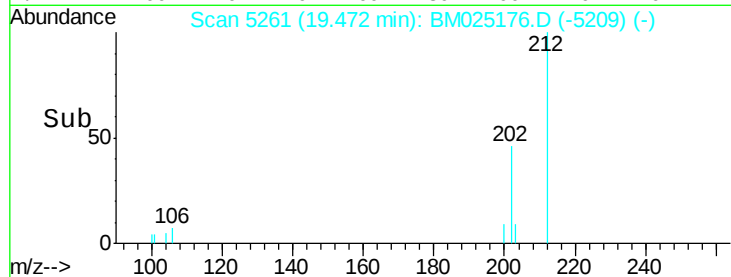
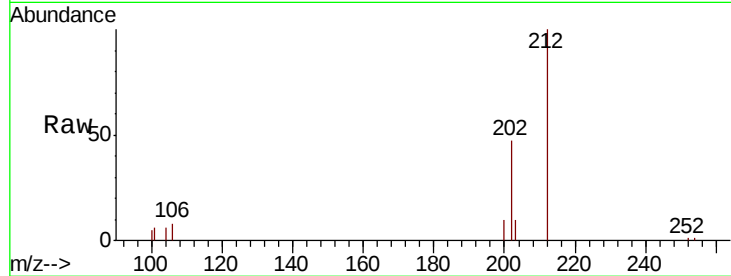
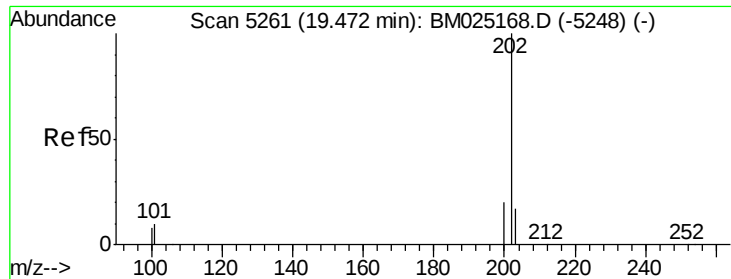
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#15  
Fluoranthene  
Concen: 0.054 ng/ul  
RT: 19.11 min Scan# 5166  
Delta R.T. -0.00 min  
Lab File: BM025176.D  
Acq: 29 Feb 2020 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.5  | 0.0   | 29.4  |
| 100     | 8.3   | 0.0   | 28.0  |





#17  
Pvrene  
Concen: 0.066 ng/ul  
RT: 19.47 min Scan# 5261  
Delta R.T. -0.00 min  
Lab File: BM025176.D  
Acq: 29 Feb 2020 19:53

Instrument :  
BNA\_M  
ClientSampleId :  
DBD51

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.1  | 8.7        | 13.1  |
| 100     | 11.0  | 7.3        | 10.9  |

Manual Integrations  
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