

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040320\  
 Data File : BM025900.D  
 Acq On : 02 Apr 2020 13:53  
 Operator : CG/JU  
 Sample : L1516-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD23

Manual Integrations  
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Quant Time: Apr 02 14:36:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM040220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 02 10:49:07 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 2336     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.33 | 136  | 9983     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.20 | 164  | 7055     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.95 | 188  | 16647m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.14 | 240  | 18441    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.29 | 264  | 19967    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.93 | 152  | 4318     | 0.24   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.98 | 212  | 12396    | 0.24   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 8) Acenaphthene             | 14.26 | 153  | 652      | 0.026  | ng/ul# | 90       |
| 9) Fluorene                 | 15.26 | 166  | 666      | 0.021  | ng/ul# | 97       |
| 12) Phenanthrene            | 16.99 | 178  | 181852   | 3.468  | ng/ul  | 98       |
| 15) Fluoranthene            | 19.01 | 202  | 341207   | 5.265  | ng/ul  | 99       |
| 17) Pyrene                  | 19.37 | 202  | 329520   | 4.989  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.13 | 228  | 4165     | 0.063  | ng/ul  | 96       |
| 19) Chrysene                | 21.18 | 228  | 4864     | 0.068  | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 22.66 | 252  | 8781m    | 0.119  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.69 | 252  | 3497m    | 0.044  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.20 | 252  | 3850     | 0.059  | ng/ul# | 71       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.42 | 276  | 2424     | 0.028  | ng/ul# | 63       |
| 26) Benzo(g,h,i)perylene    | 26.06 | 276  | 1931     | 0.026  | ng/ul# | 75       |

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

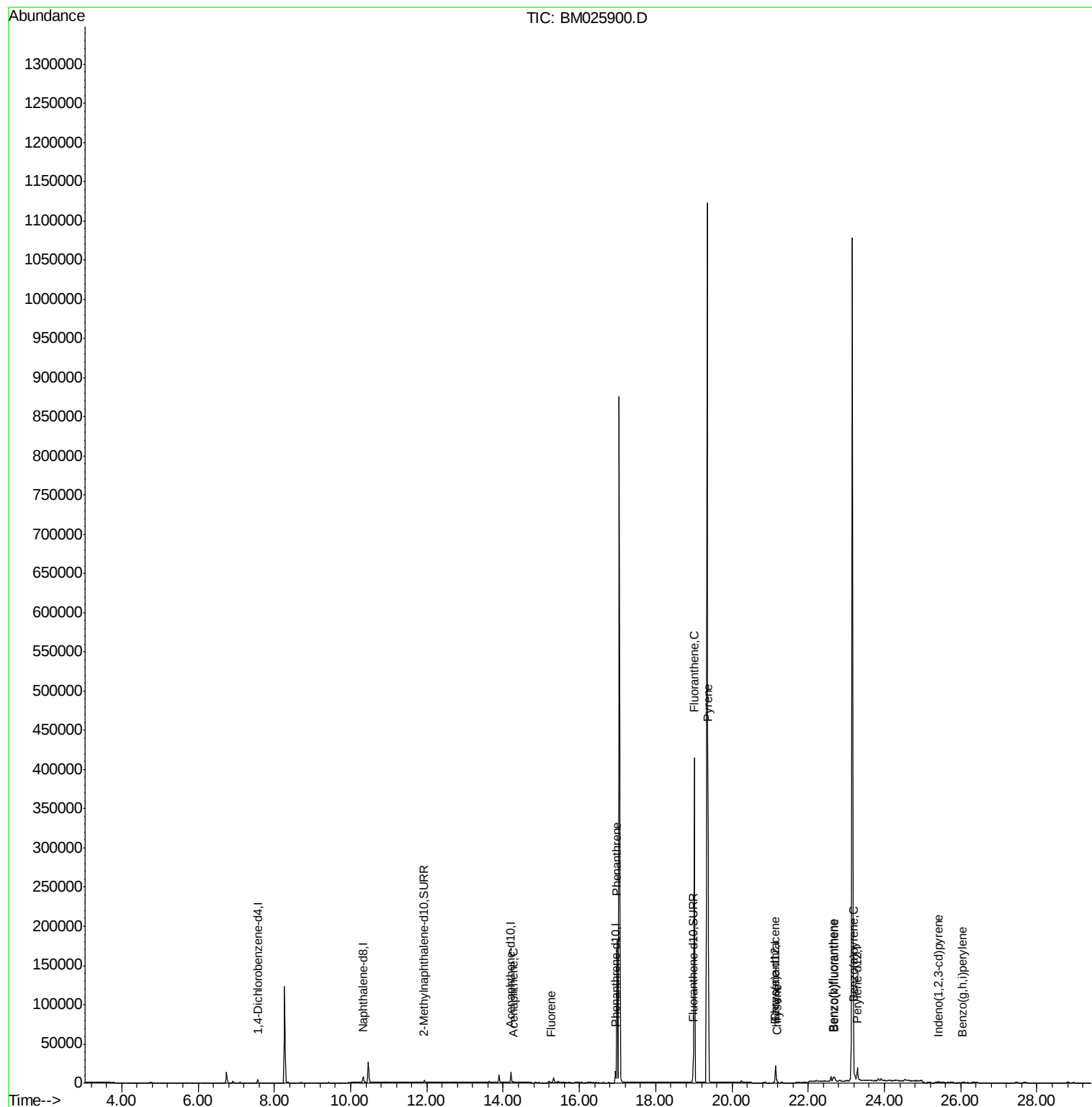
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040320\  
Data File : BM025900.D  
Acq On : 02 Apr 2020 13:53  
Operator : CG/JU  
Sample : L1516-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

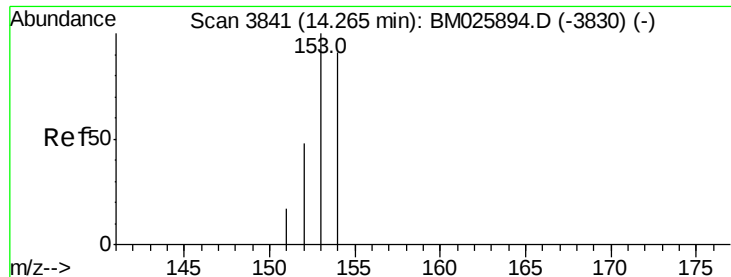
Instrument :  
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ClientSampleId :  
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Quant Time: Apr 02 14:36:12 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM040220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 02 10:49:07 2020  
Response via : Initial Calibration





#8

Acenaphthene

Concen: 0.026 ng/ul

RT: 14.26 min Scan# 3840

Delta R.T. -0.00 min

Lab File: BM025900.D

Acq: 02 Apr 2020 13:53

Instrument :

BNA\_M

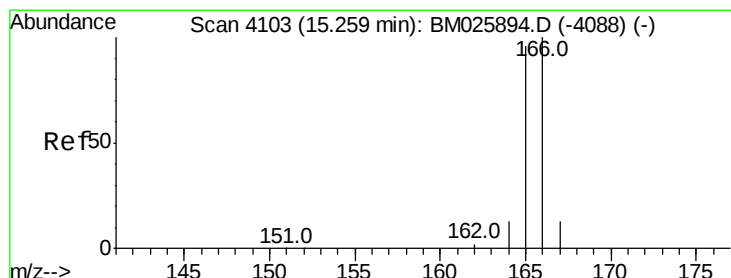
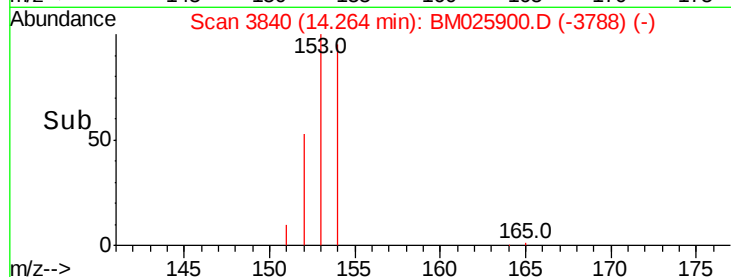
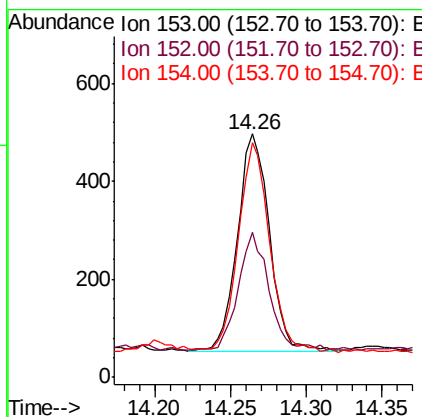
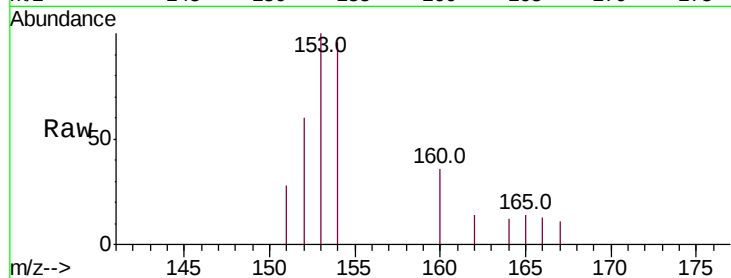
ClientSampleId :

DBD23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 153   | Resp: | 652   |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 59.6  | 38.8  | 58.2# |
| 154       | 96.4  | 71.9  | 107.9 |

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#9

Fluorene

Concen: 0.021 ng/ul

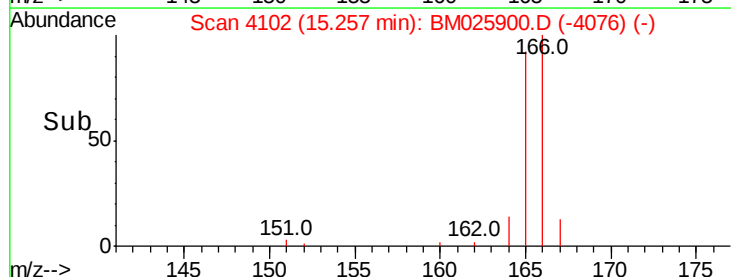
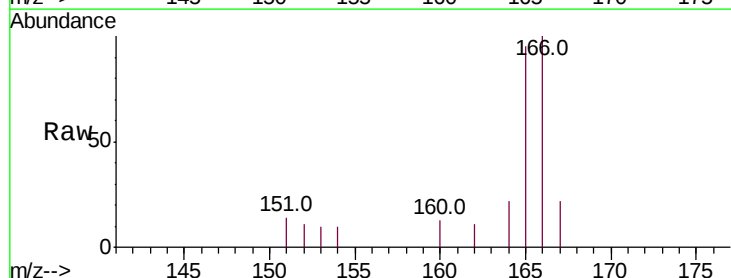
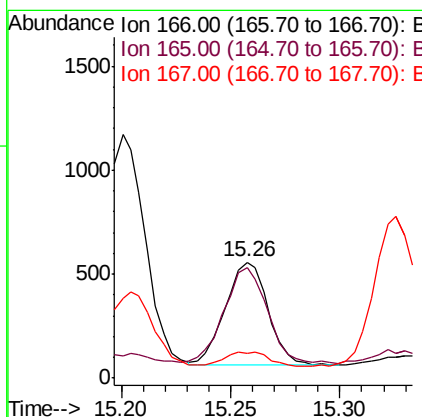
RT: 15.26 min Scan# 4102

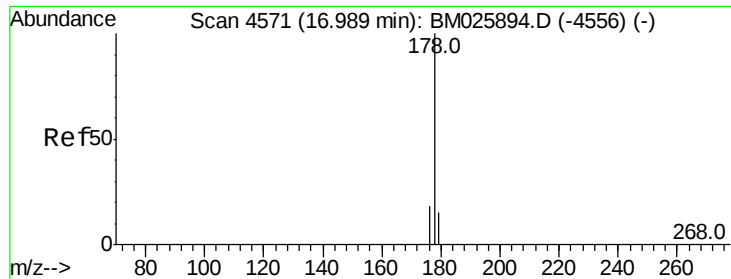
Delta R.T. -0.00 min

Lab File: BM025900.D

Acq: 02 Apr 2020 13:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 666   |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 95.1  | 76.6  | 115.0 |
| 167       | 21.9  | 11.4  | 17.0# |





#12

Phenanthrene

Concen: 3.468 ng/ul

RT: 16.99 min Scan# 4570

Delta R.T. -0.00 min

Lab File: BM025900.D

Acq: 02 Apr 2020 13:53

Instrument :

BNA\_M

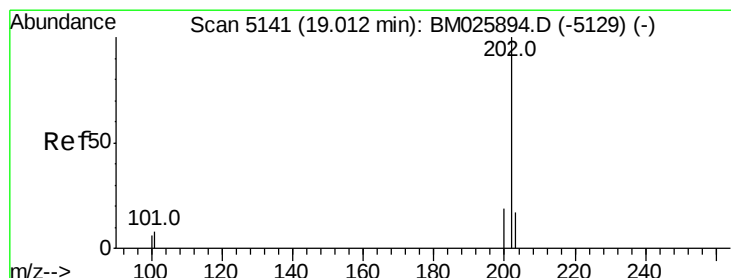
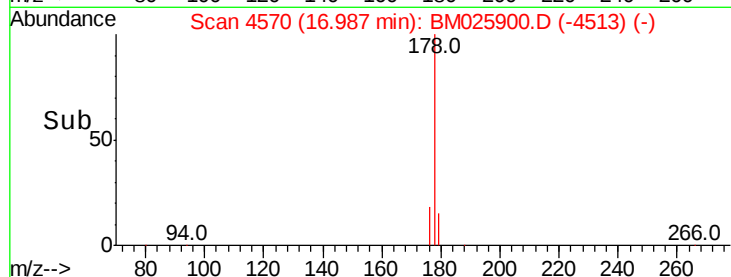
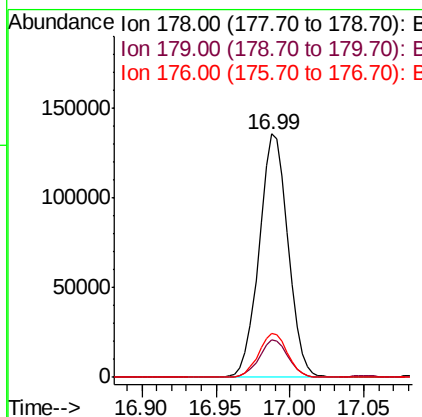
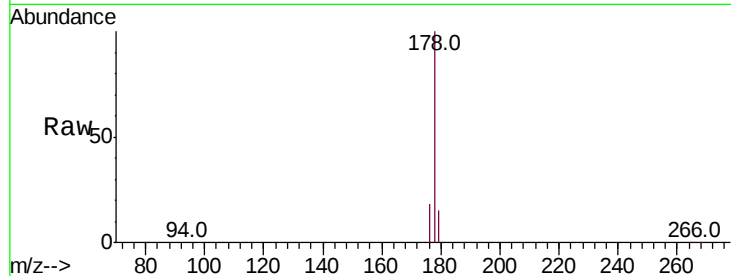
ClientSampleId :

DBD23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 181852 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.3  | 12.8  | 19.2   |
| 176       | 18.2  | 15.1  | 22.7   |

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#15

Fluoranthene

Concen: 5.265 ng/ul

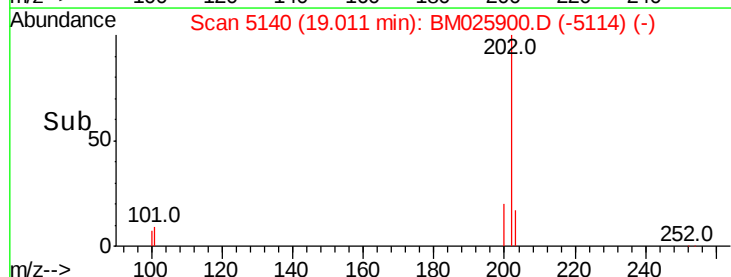
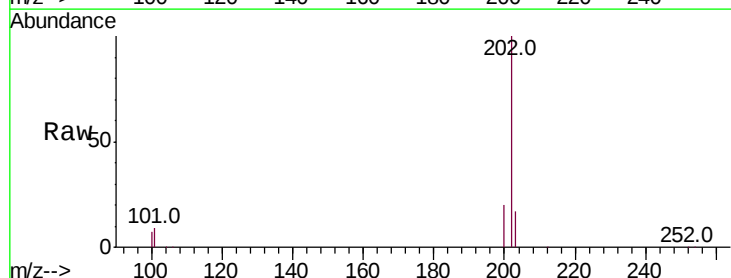
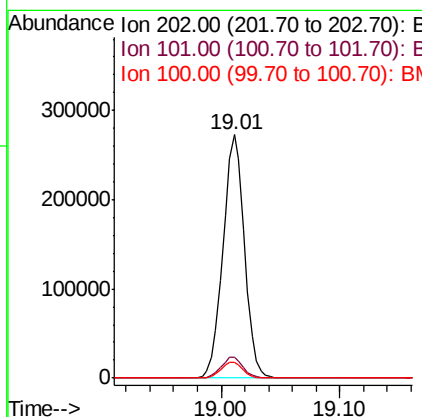
RT: 19.01 min Scan# 5140

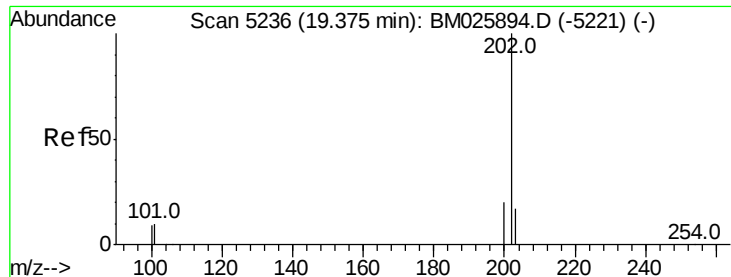
Delta R.T. -0.00 min

Lab File: BM025900.D

Acq: 02 Apr 2020 13:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 341207 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 8.5   | 0.0   | 28.6   |
| 100       | 6.5   | 0.0   | 27.0   |





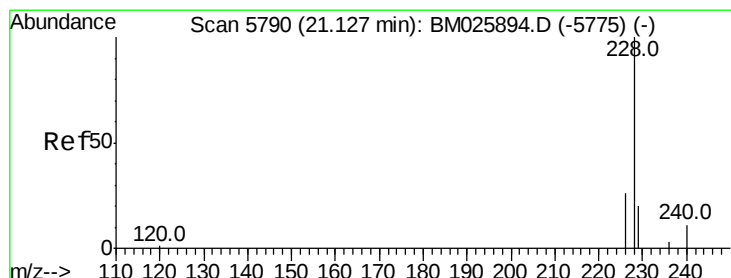
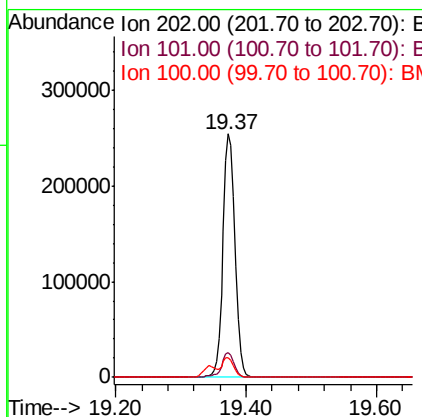
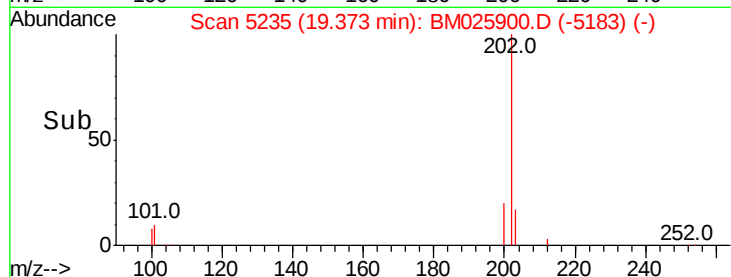
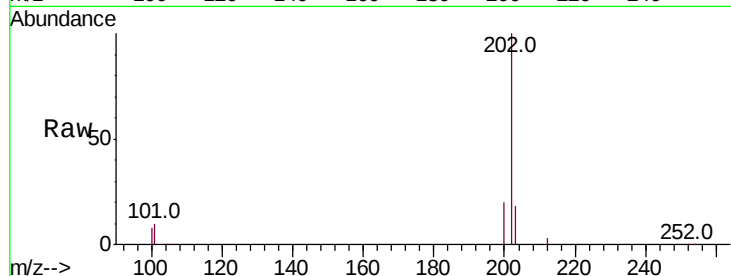
#17  
Pvrene  
Concen: 4.989 ng/ul  
RT: 19.37 min Scan# 5235  
Delta R.T. -0.00 min  
Lab File: BM025900.D  
Acq: 02 Apr 2020 13:53

Instrument :  
BNA\_M  
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DBD23

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 10.0  | 7.5        | 11.3       |
| 100     | 8.3   | 6.3        | 9.5        |

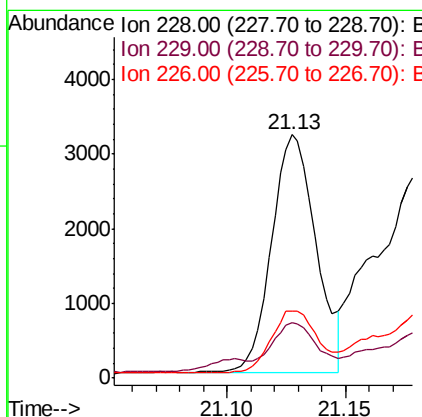
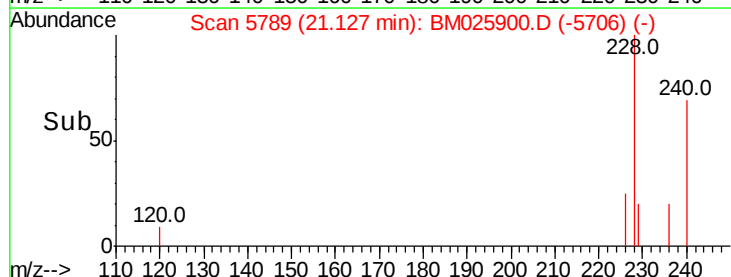
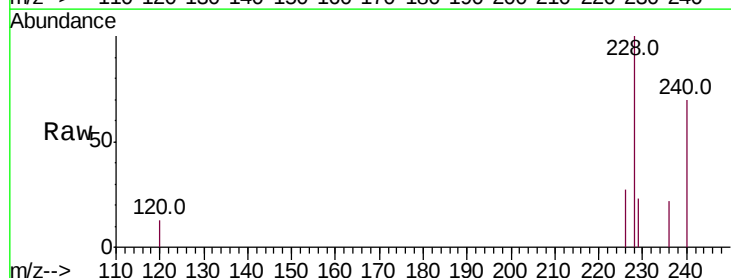
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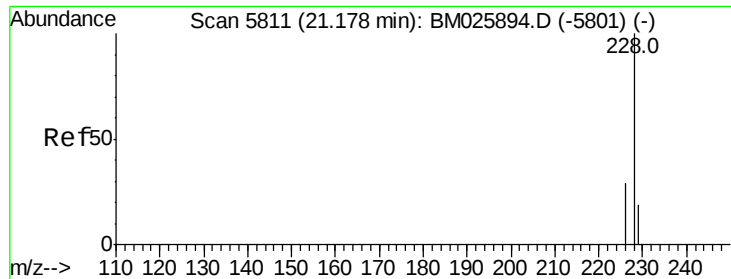
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#18  
Benzo(a)anthracene  
Concen: 0.063 ng/ul  
RT: 21.13 min Scan# 5789  
Delta R.T. -0.00 min  
Lab File: BM025900.D  
Acq: 02 Apr 2020 13:53

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 22.8  | 15.8       | 23.8       |
| 226     | 27.4  | 20.9       | 31.3       |





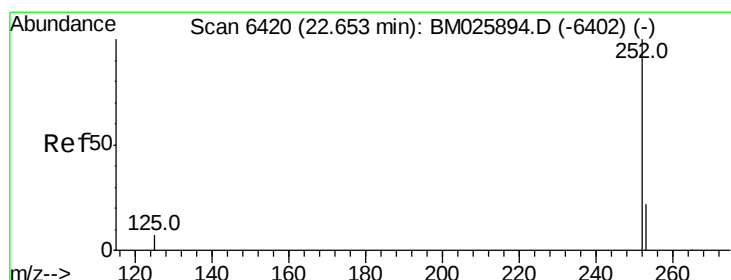
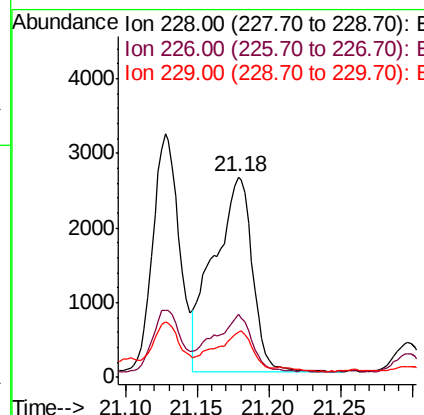
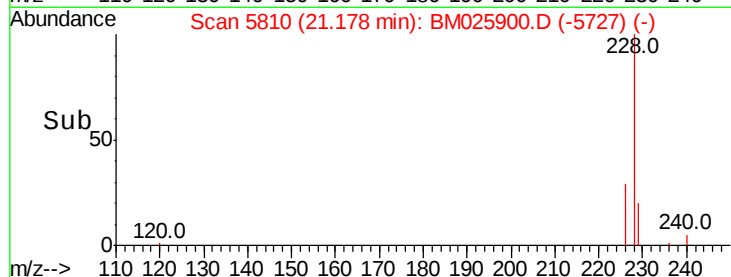
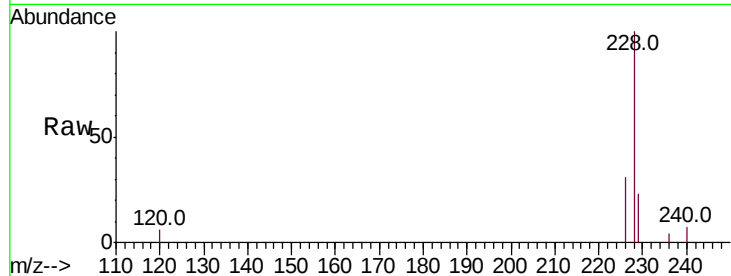
#19  
Chrysene  
Concen: 0.068 ng/ul  
RT: 21.18 min Scan# 5810  
Delta R.T. -0.00 min  
Lab File: BM025900.D  
Acq: 02 Apr 2020 13:53

Instrument :  
BNA\_M  
ClientSampleId :  
DBD23

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 22.9  | 34.3  |
| 229     | 22.6  | 15.8  | 23.8  |

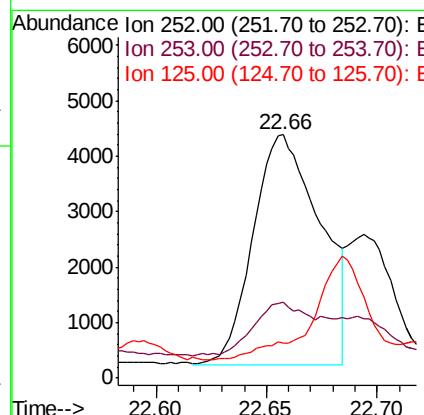
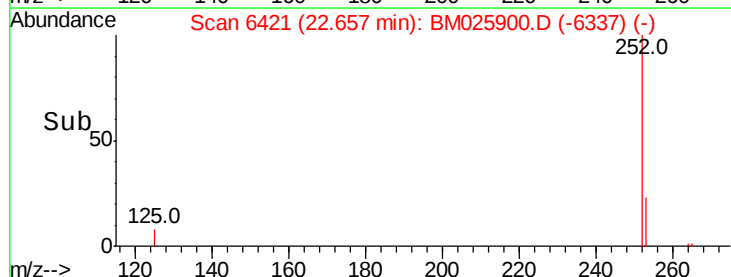
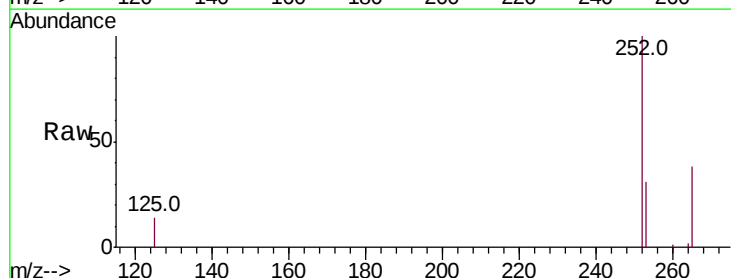
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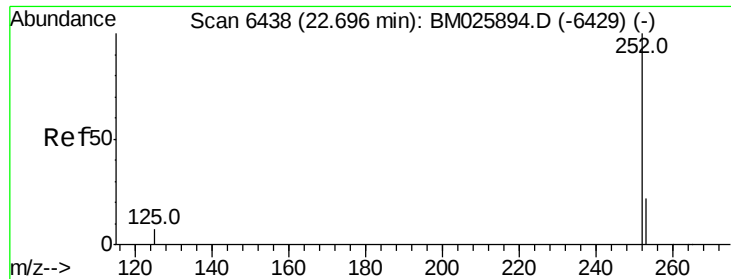
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#21  
Benzo(b)fluoranthene  
Concen: 0.119 ng/ul m  
RT: 22.66 min Scan# 6421  
Delta R.T. 0.00 min  
Lab File: BM025900.D  
Acq: 02 Apr 2020 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.2  | 0.0   | 46.6  |
| 125     | 14.5  | 0.0   | 15.4  |





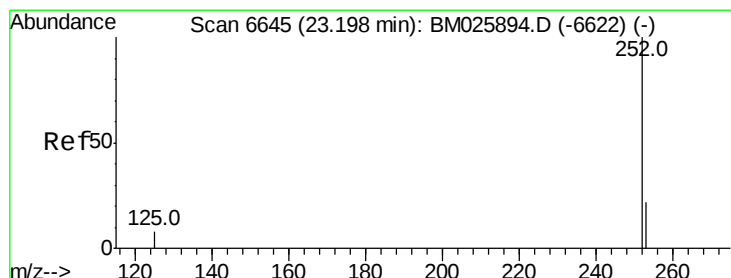
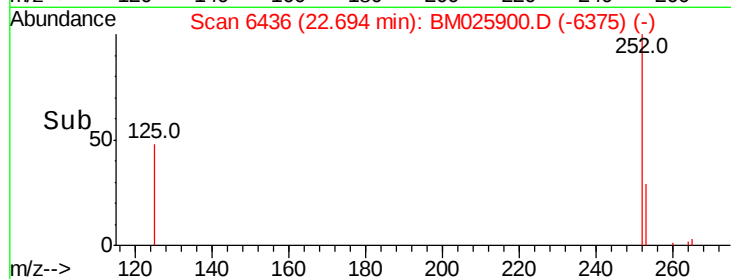
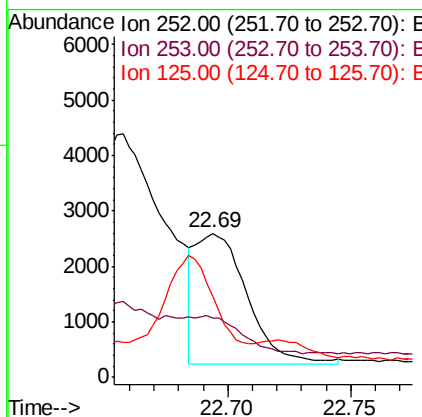
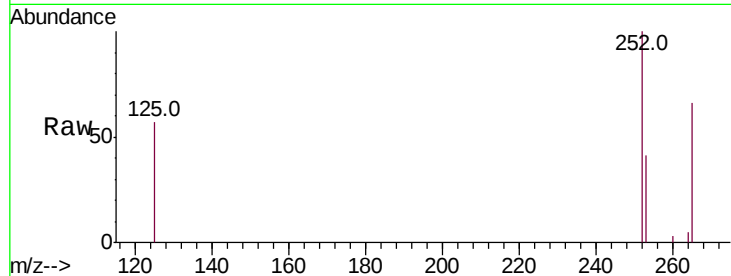
#22  
Benzo(k)fluoranthene  
Concen: 0.044 ng/u1 m  
RT: 22.69 min Scan# 6436  
Delta R.T. -0.00 min  
Lab File: BM025900.D  
Acq: 02 Apr 2020 13:53

Instrument :  
BNA\_M  
ClientSampleId :  
DBD23

Tot Ion:252 Resp: 3497  
Ion Ratio Lower Upper  
252 100  
253 41.5 19.0 28.4#  
125 56.5 6.7 10.1#

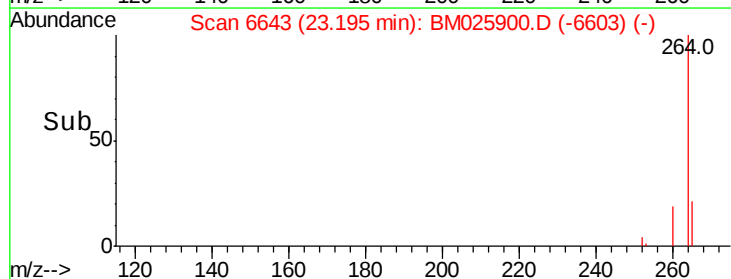
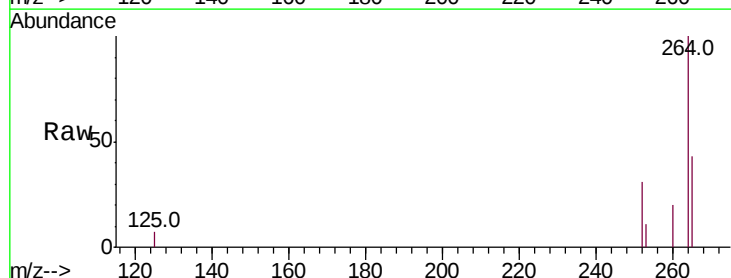
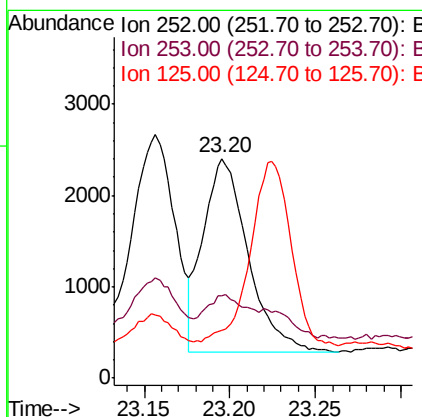
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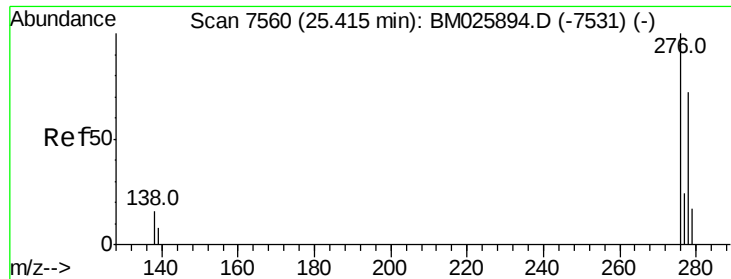
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#23  
Benzo(a)pyrene  
Concen: 0.059 ng/u1  
RT: 23.20 min Scan# 6643  
Delta R.T. -0.00 min  
Lab File: BM025900.D  
Acq: 02 Apr 2020 13:53

Tgt Ion:252 Resp: 3850  
Ion Ratio Lower Upper  
252 100  
253 37.3 19.2 28.8#  
125 21.5 7.4 11.0#





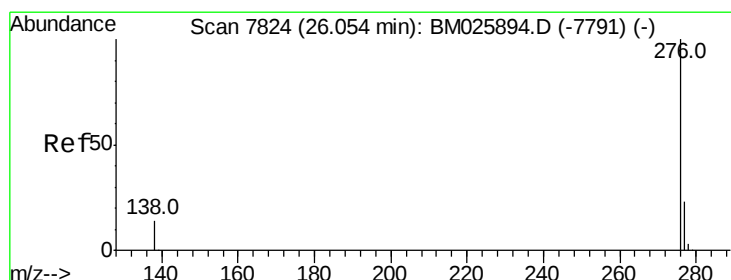
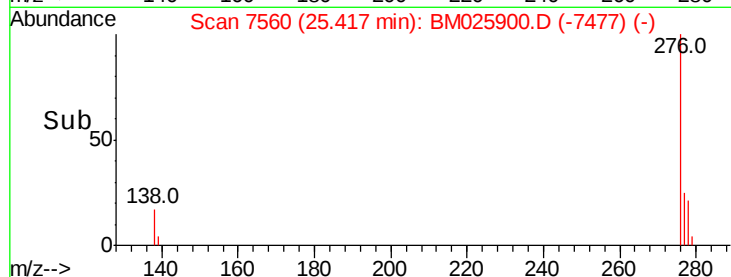
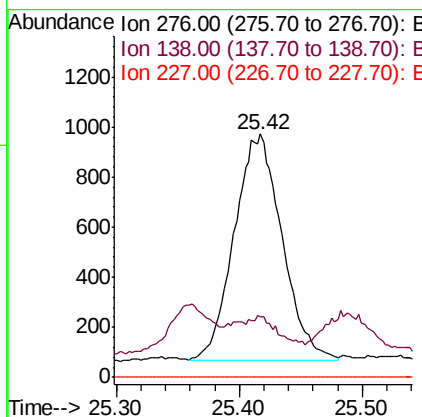
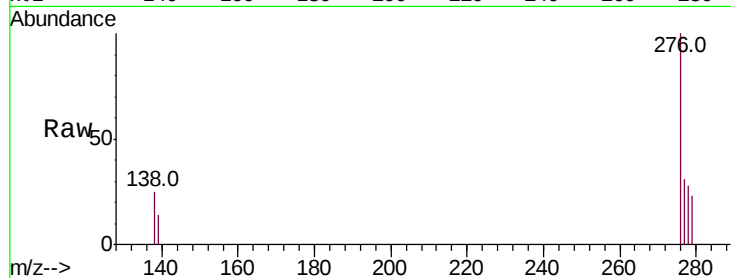
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.028 ng/uL  
 RT: 25.42 min Scan# 7560  
 Delta R.T. 0.00 min  
 Lab File: BM025900.D  
 Acq: 02 Apr 2020 13:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD23

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 12.6  | 19.0# |
| 227     | 0.0   | 0.0   | 0.0   |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.026 ng/uL  
 RT: 26.06 min Scan# 7824  
 Delta R.T. 0.00 min  
 Lab File: BM025900.D  
 Acq: 02 Apr 2020 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.0  | 11.8  | 17.8# |
| 277     | 32.5  | 19.2  | 28.8# |

