

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\  
 Data File : BM025292.D  
 Acq On : 05 Mar 2020 17:43  
 Operator : CG/JU  
 Sample : L1543-13  
 Misc :  
 ALS Vial : 88 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD95

Manual Integrations  
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Quant Time: Mar 06 02:56:21 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   | 7.67  | 152  | 3086     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.44 | 136  | 13260    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 9928     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.04 | 188  | 24401m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.23 | 240  | 24511    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.42 | 264  | 22440    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.04 | 152  | 6704     | 0.27   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.07 | 212  | 24969    | 0.31   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.08 | 178  | 1677m    | 0.021  | ng/ul  |          |
| 13) Anthracene              | 17.17 | 178  | 3428     | 0.049  | ng/ul  | 97       |
| 15) Fluoranthene            | 19.10 | 202  | 5046     | 0.051  | ng/ul  | 97       |
| 17) Pyrene                  | 19.46 | 202  | 6132     | 0.066  | ng/ul# | 95       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 3844     | 0.043  | ng/ul  | 97       |
| 19) Chrysene                | 21.27 | 228  | 6330m    | 0.064  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 22.77 | 252  | 12097m   | 0.135  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.81 | 252  | 4089m    | 0.043  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.33 | 252  | 3551     | 0.047  | ng/ul# | 71       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.60 | 276  | 2745     | 0.029  | ng/ul# | 100      |
| 26) Benzo(g,h,i)perylene    | 26.26 | 276  | 1780     | 0.022  | ng/ul# | 84       |

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

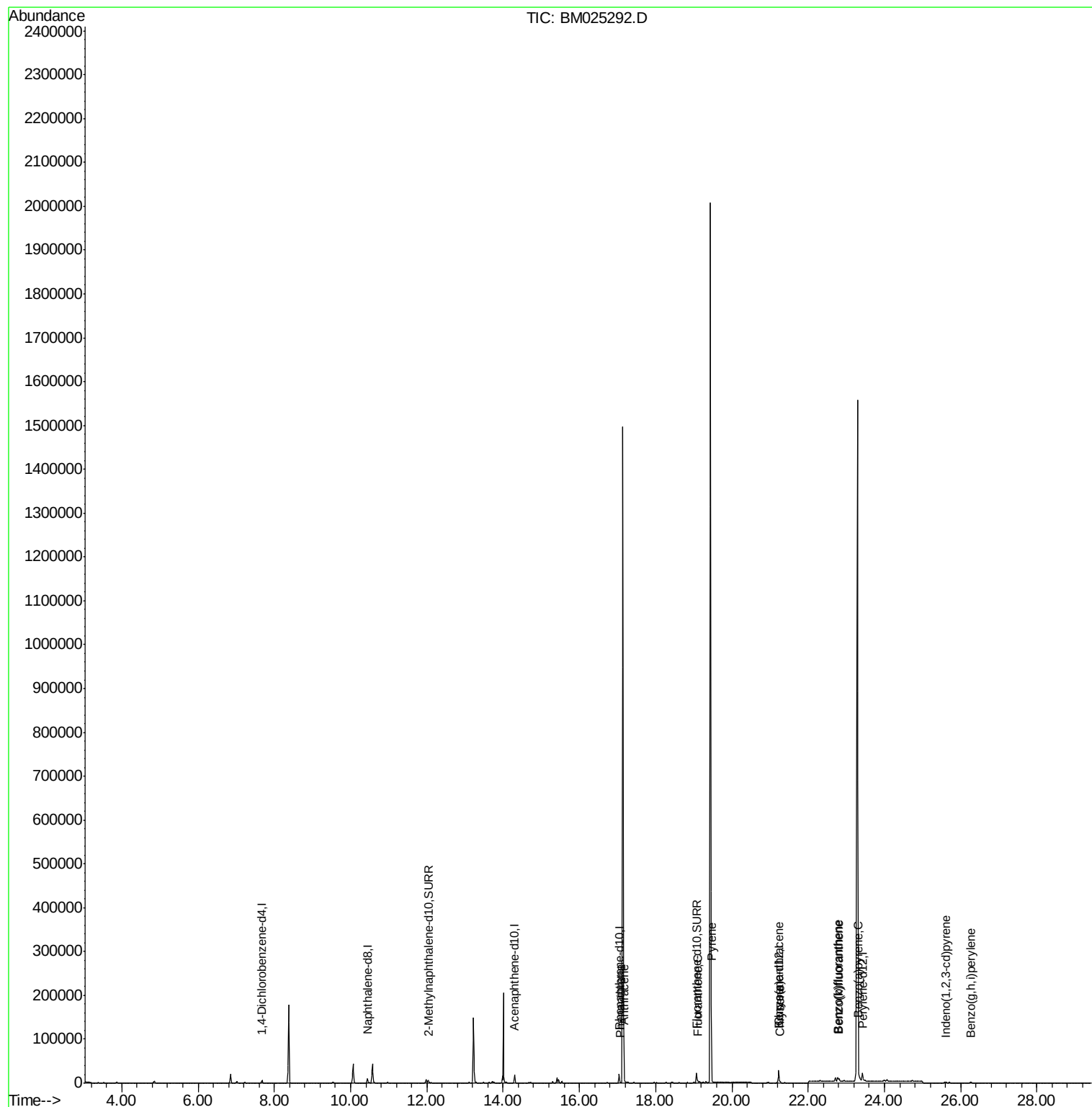
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\  
Data File : BM025292.D  
Acq On : 05 Mar 2020 17:43  
Operator : CG/JU  
Sample : L1543-13  
Misc :  
ALS Vial : 88 Sample Multiplier: 1

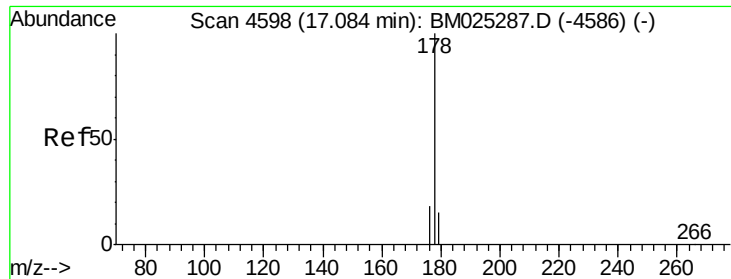
Instrument :  
BNA\_M  
ClientSampleId :  
DBD95

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Quant Time: Mar 06 02:56:21 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





#12

Phenanthrene

Concen: 0.021 ng/ul m

RT: 17.08 min Scan# 4598

Delta R.T. -0.00 min

Lab File: BM025292.D

Acq: 05 Mar 2020 17:43

Instrument :

BNA\_M

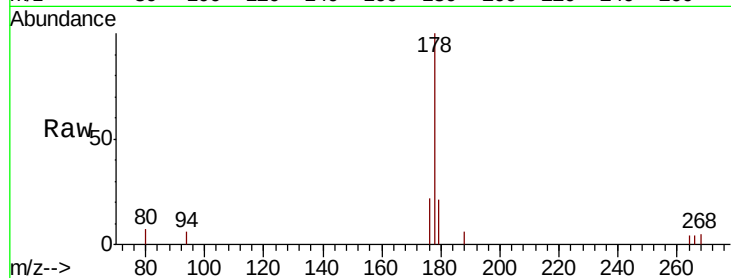
ClientSampleId :

DBD95

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 21.1  | 14.0  | 21.0# |
| 176     | 22.5  | 16.6  | 24.8  |

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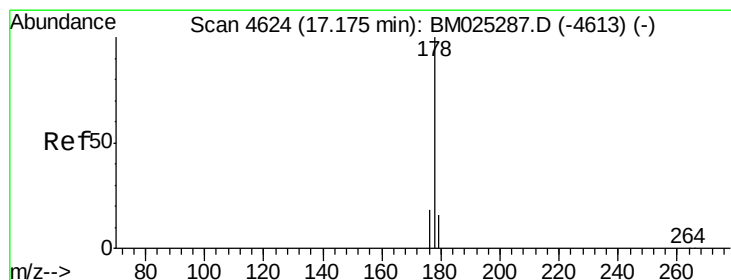
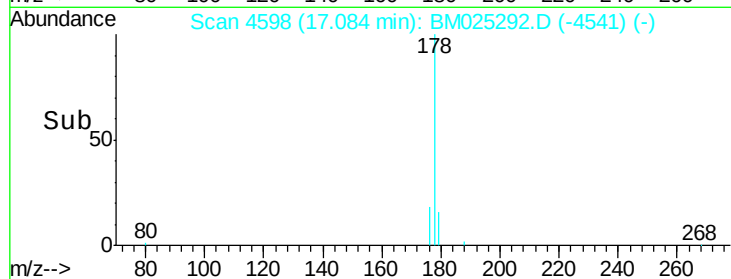
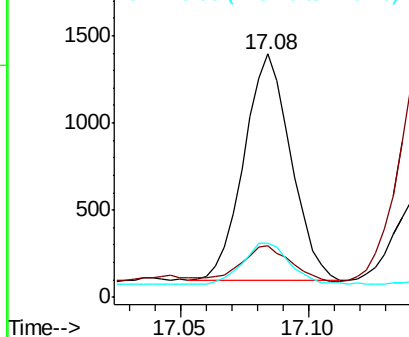
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.049 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. -0.00 min

Lab File: BM025292.D

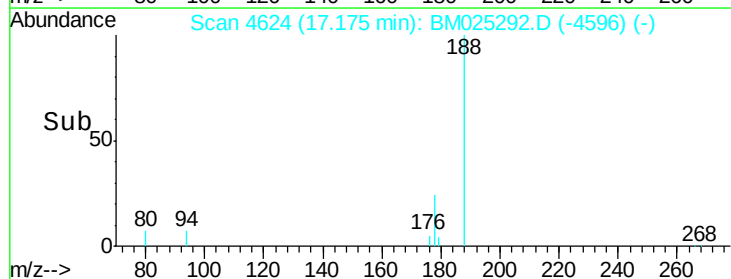
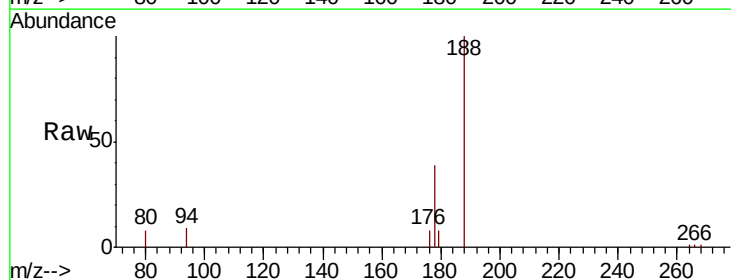
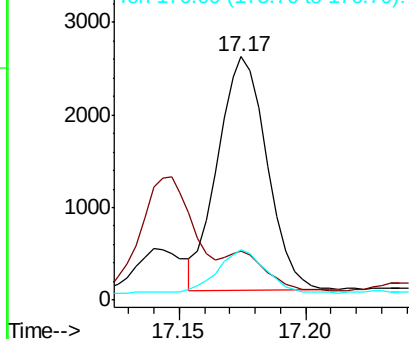
Acq: 05 Mar 2020 17:43

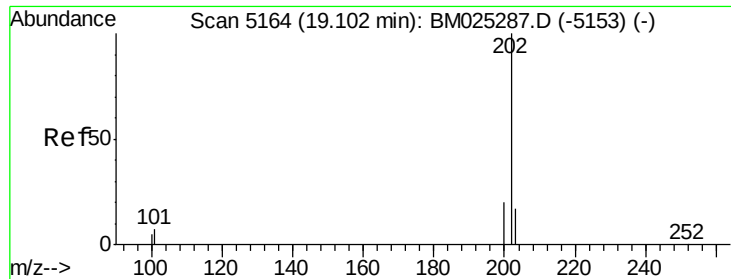
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 20.1  | 14.1  | 21.1  |
| 176     | 20.7  | 16.2  | 24.4  |

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





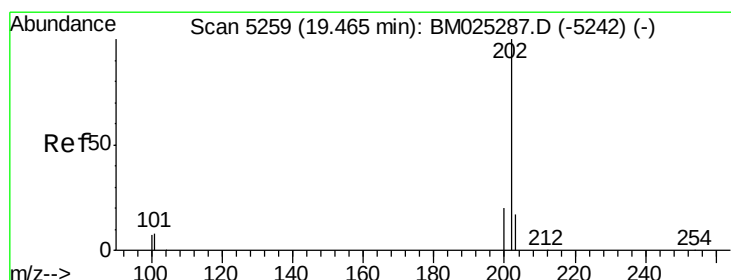
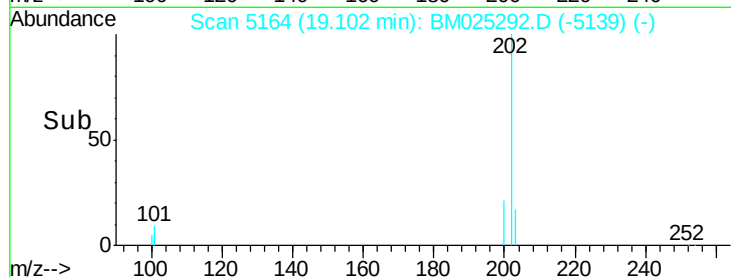
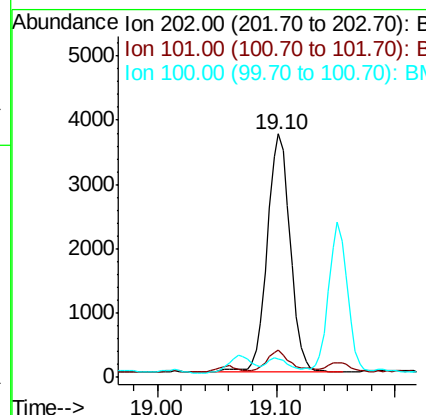
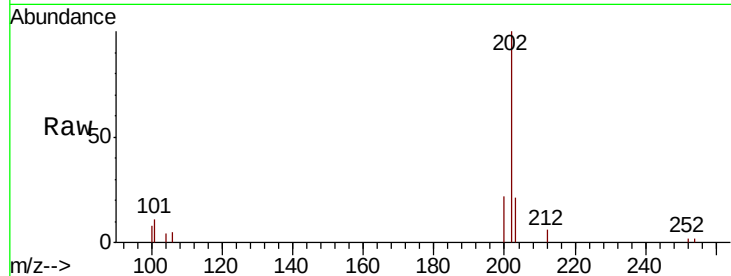
#15  
Fluoranthene  
Concen: 0.051 ng/ul  
RT: 19.10 min Scan# 5164  
Delta R.T. -0.00 min  
Lab File: BM025292.D  
Acq: 05 Mar 2020 17:43

Instrument :  
BNA\_M  
ClientSampleId :  
DBD95

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 5046 |       |       |
| 101     | 11.0  |      | 0.0   | 29.4  |
| 100     | 7.6   |      | 0.0   | 28.0  |

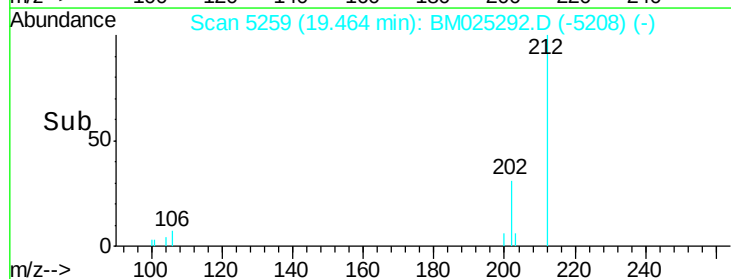
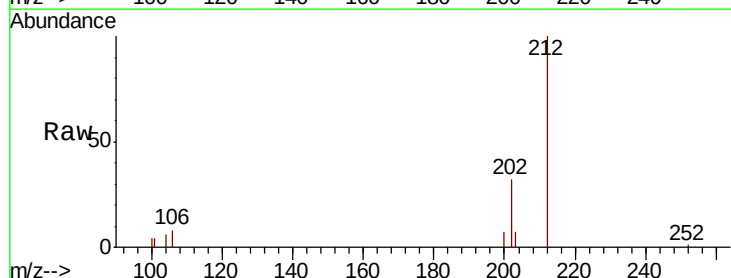
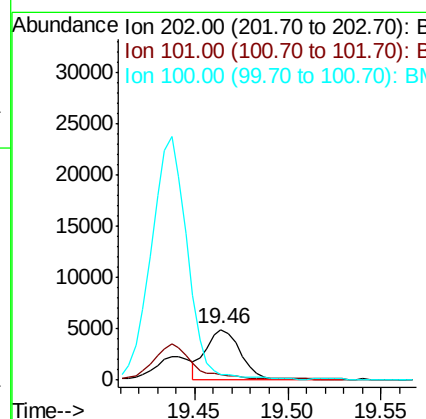
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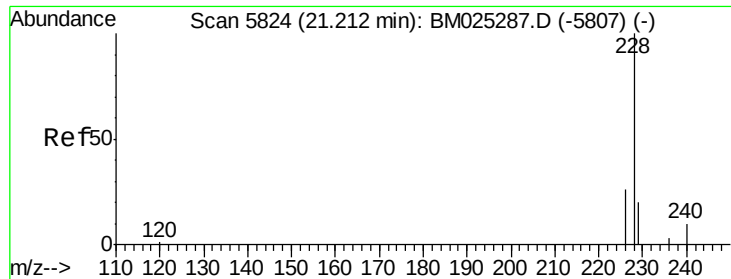
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#17  
Pyrene  
Concen: 0.066 ng/ul  
RT: 19.46 min Scan# 5259  
Delta R.T. -0.00 min  
Lab File: BM025292.D  
Acq: 05 Mar 2020 17:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 6132 |       |       |
| 101     | 11.5  |      | 8.7   | 13.1  |
| 100     | 12.1  |      | 7.3   | 10.9# |





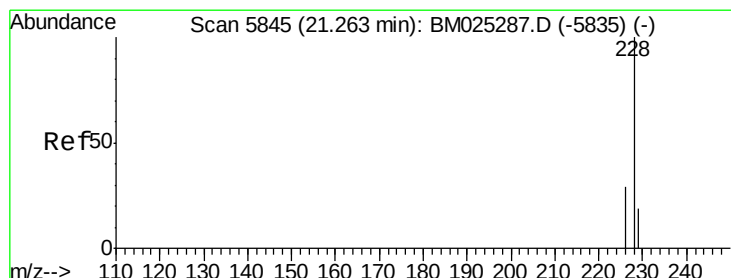
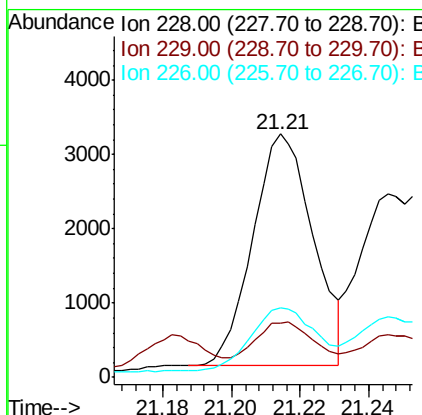
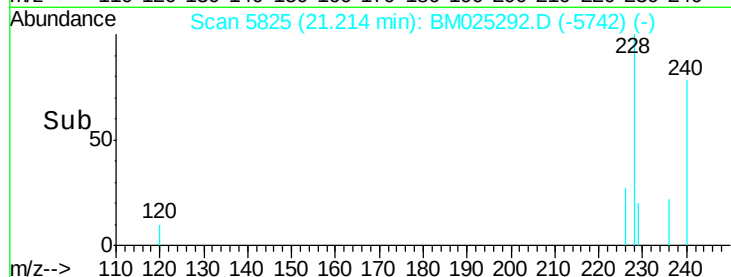
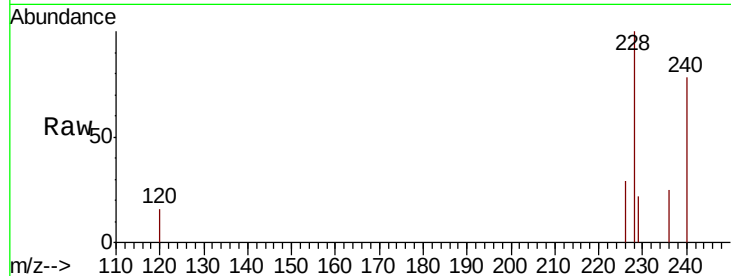
#18  
Benzo(a)anthracene  
Concen: 0.043 ng/ul  
RT: 21.21 min Scan# 5825  
Delta R.T. -0.00 min  
Lab File: BM025292.D  
Acq: 05 Mar 2020 17:43

Instrument :  
BNA\_M  
ClientSampleId :  
DBD95

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.3  | 16.6  | 25.0  |
| 226     | 28.7  | 21.9  | 32.9  |

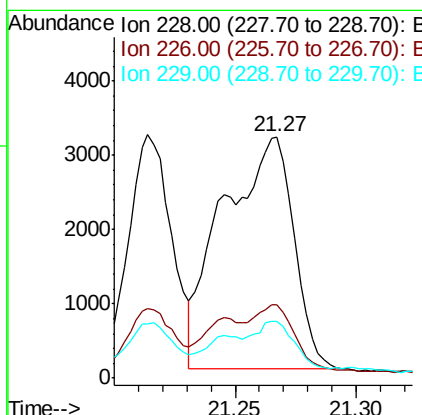
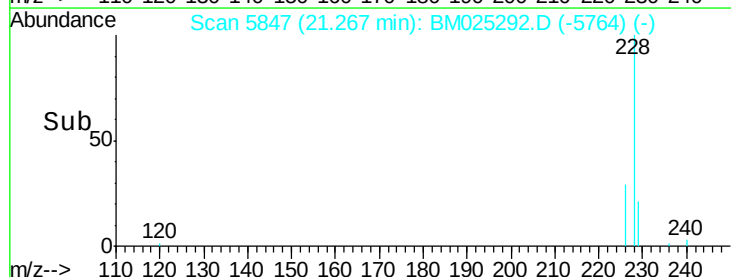
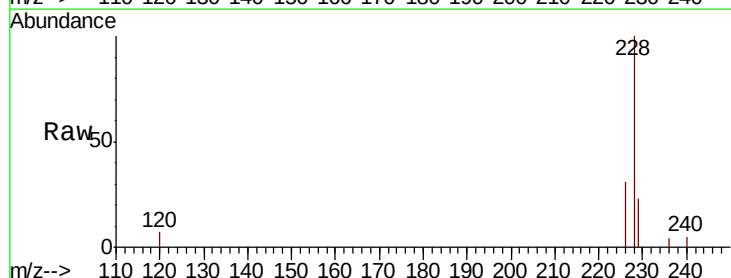
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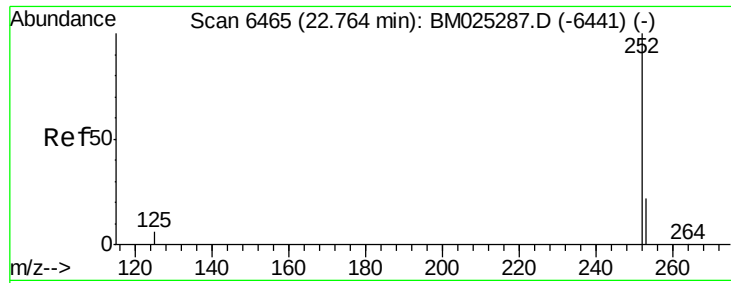
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#19  
Chrysene  
Concen: 0.064 ng/ul m  
RT: 21.27 min Scan# 5847  
Delta R.T. -0.00 min  
Lab File: BM025292.D  
Acq: 05 Mar 2020 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 23.8  | 35.8  |
| 229     | 23.3  | 16.9  | 25.3  |





#21

Benzo(b)fluoranthene

Concen: 0.135 ng/ul m

RT: 22.77 min Scan# 6468

Delta R.T. 0.00 min

Lab File: BM025292.D

Acq: 05 Mar 2020 17:43

Instrument :

BNA\_M

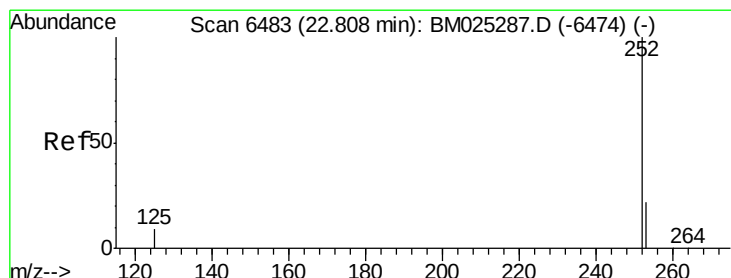
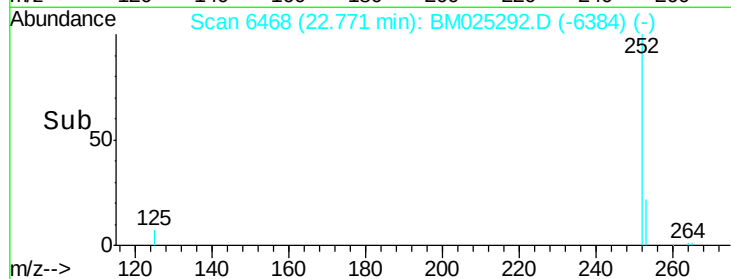
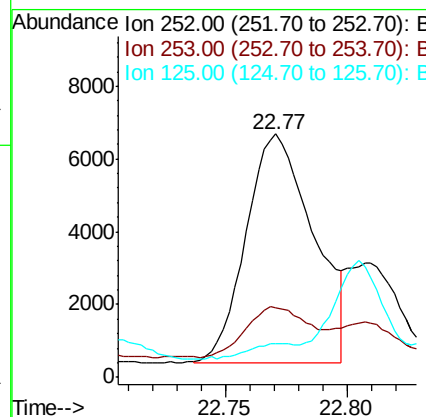
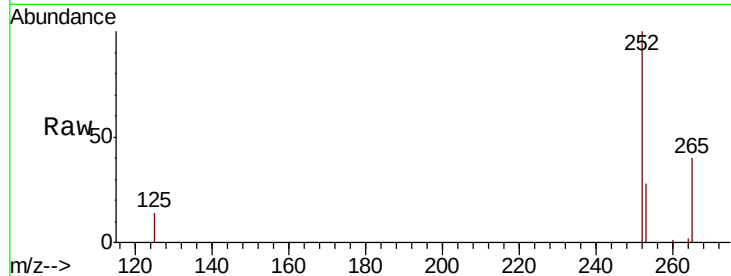
ClientSampleId :

DBD95

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 12097 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.4  | 0.0   | 49.8  |
| 125       | 13.6  | 0.0   | 28.6  |

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#22

Benzo(k)fluoranthene

Concen: 0.043 ng/ul m

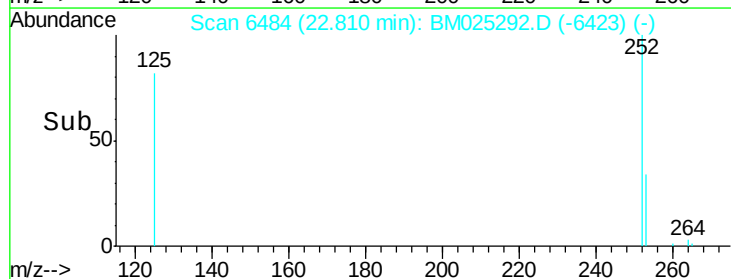
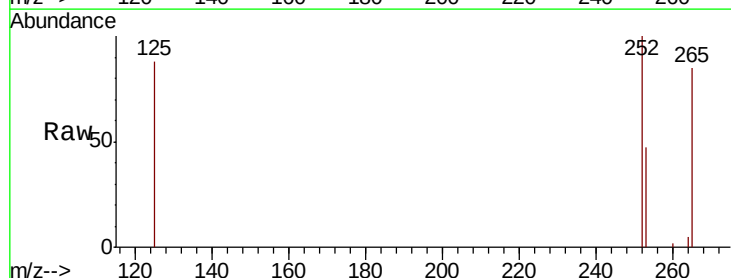
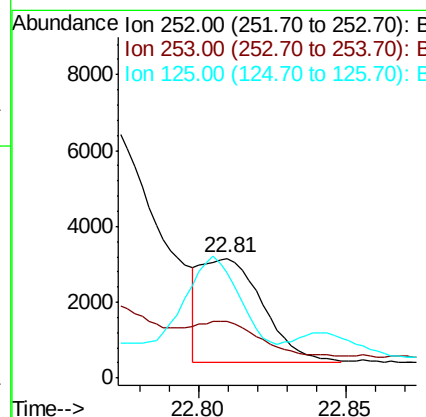
RT: 22.81 min Scan# 6484

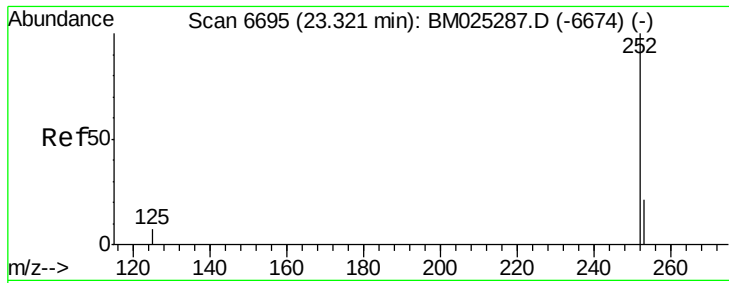
Delta R.T. -0.00 min

Lab File: BM025292.D

Acq: 05 Mar 2020 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 4089  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 46.8  | 19.4  | 29.0# |
| 125       | 87.6  | 10.7  | 16.1# |





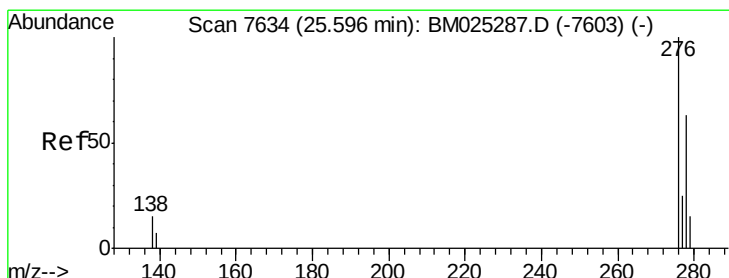
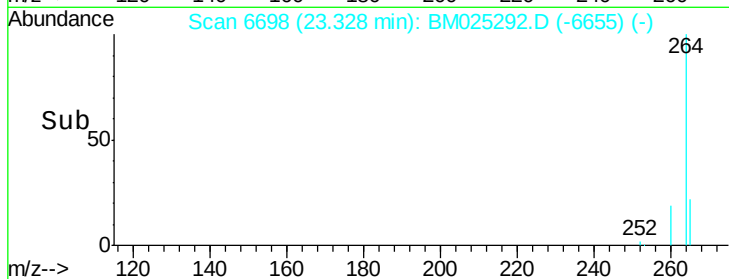
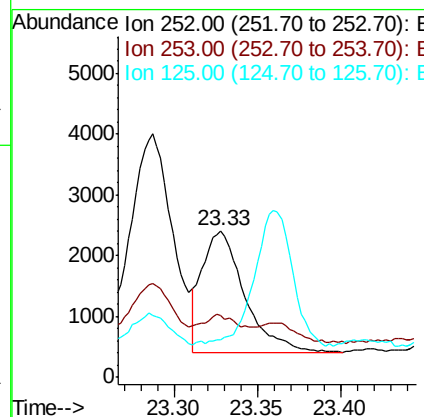
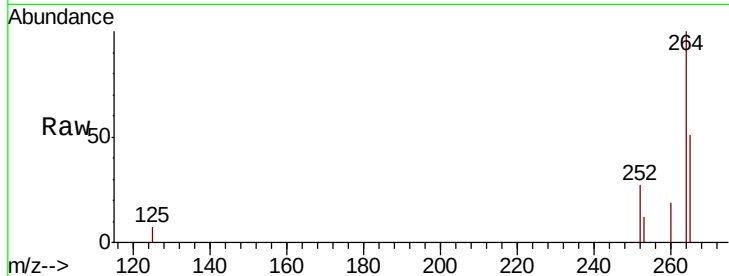
#23  
Benzo(a)pyrene  
Concen: 0.047 ng/ul  
RT: 23.33 min Scan# 6698  
Delta R.T. 0.00 min  
Lab File: BM025292.D  
Acq: 05 Mar 2020 17:43

Instrument :  
BNA\_M  
ClientSampleId :  
DBD95

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 42.3  | 20.3  | 30.5# |
| 125     | 25.8  | 13.0  | 19.4# |

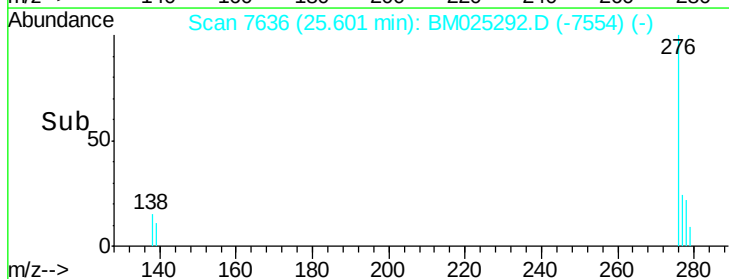
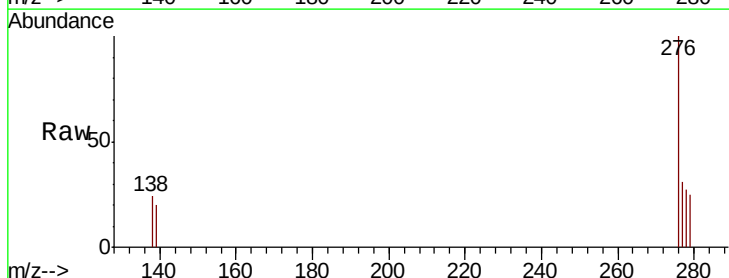
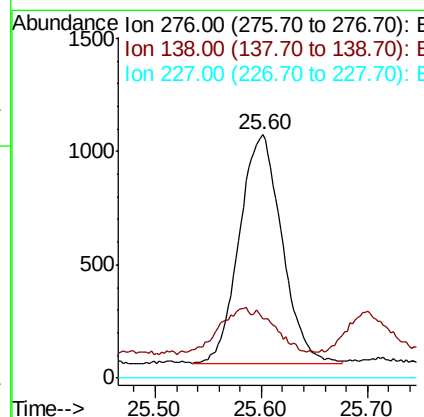
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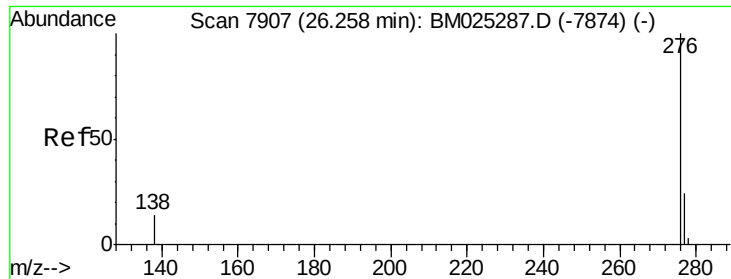
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#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.029 ng/ul  
RT: 25.60 min Scan# 7636  
Delta R.T. -0.00 min  
Lab File: BM025292.D  
Acq: 05 Mar 2020 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.9  | 0.0   | 0.0#  |
| 227     | 0.0   | 0.0   | 0.0   |





#26

Benzo(a,h,i)perylene

Concen: 0.022 ng/ul

RT: 26.26 min Scan# 7909

Delta R.T. -0.00 min

Lab File: BM025292.D

Acq: 05 Mar 2020 17:43

Instrument :

BNA\_M

ClientSampleId :

DBD95

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 1780  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 29.6  | 17.9  | 26.9# |
| 277       | 34.1  | 20.5  | 30.7# |

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