

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025362.D  
 Acq On : 07 Mar 2020 23:02  
 Operator : CG/JU  
 Sample : L1615-15  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDN9

Manual Integrations  
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Quant Time: Mar 08 01:15:47 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 : Sat Mar 07 23:59:42 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 4497     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.44 | 136  | 19859    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 14438    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.04 | 188  | 32675m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.22 | 240  | 29476    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.41 | 264  | 25662    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 13059    | 0.35   | ng/ul  | -0.01    |
| 14) Fluoranthene-d10        | 19.07 | 212  | 37066    | 0.35   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 8) Acenaphthene             | 14.36 | 153  | 1640     | 0.031  | ng/ul  | 100      |
| 9) Fluorene                 | 15.35 | 166  | 2966     | 0.045  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.08 | 178  | 15295    | 0.145  | ng/ul  | 96       |
| 13) Anthracene              | 17.17 | 178  | 7166     | 0.077  | ng/ul  | 98       |
| 15) Fluoranthene            | 19.10 | 202  | 10060    | 0.076  | ng/ul  | 98       |
| 17) Pyrene                  | 19.46 | 202  | 8110     | 0.073  | ng/ul# | 95       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 2235     | 0.021  | ng/ul  | 92       |
| 19) Chrysene                | 21.26 | 228  | 3476m    | 0.029  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 22.76 | 252  | 6279m    | 0.061  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.80 | 252  | 2554m    | 0.024  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.32 | 252  | 2596     | 0.030  | ng/ul# | 50       |

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

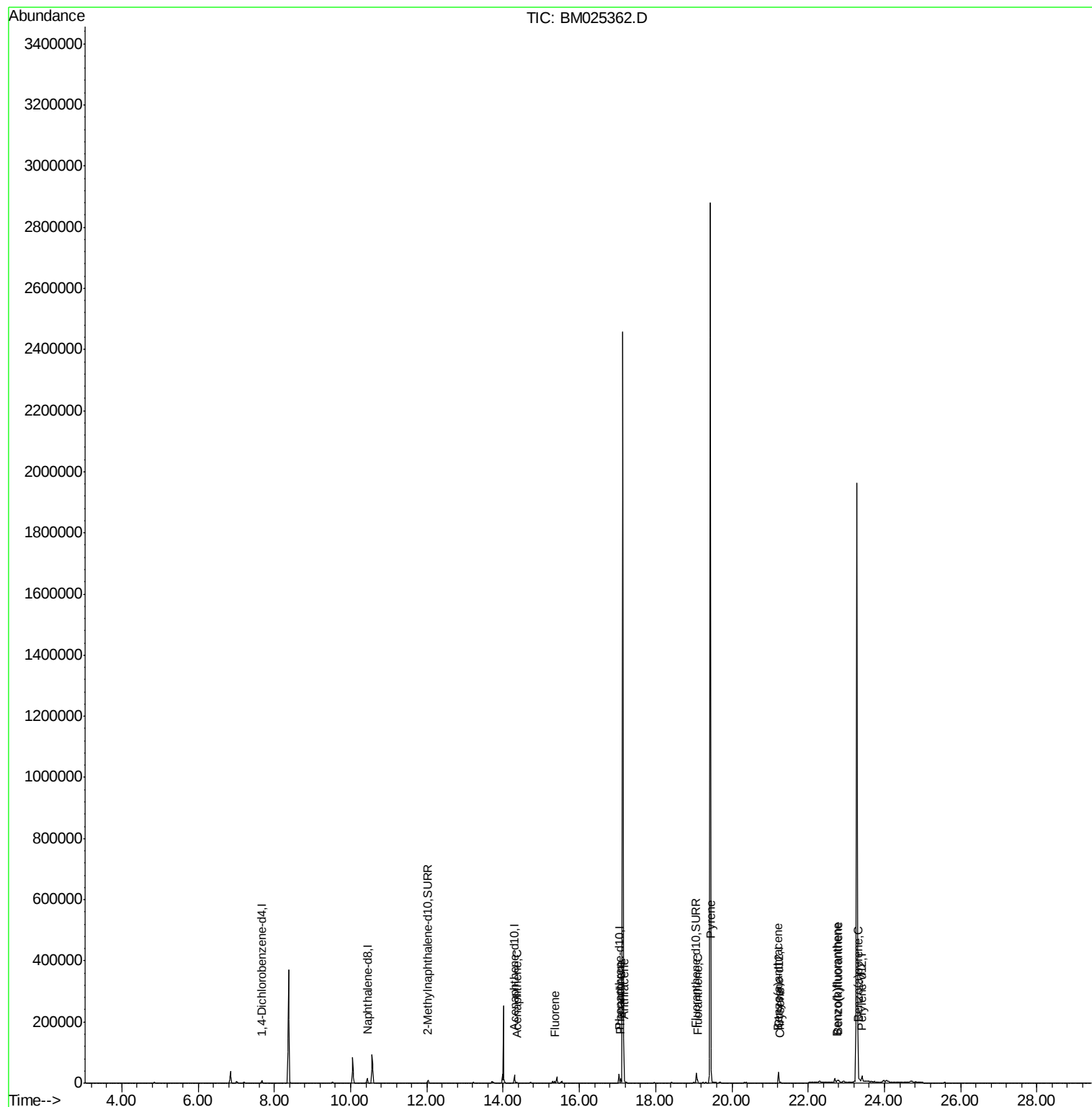
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025362.D  
Acq On : 07 Mar 2020 23:02  
Operator : CG/JU  
Sample : L1615-15  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

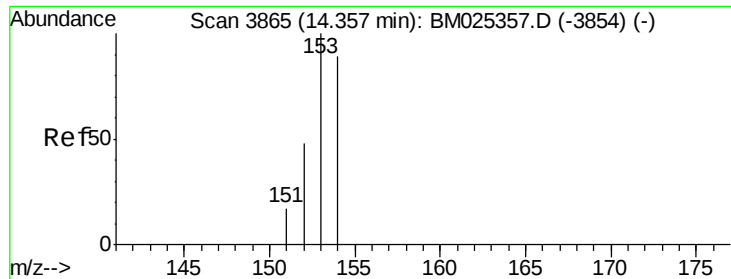
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Mar 08 01:15:47 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 07 23:59:42 2020  
Response via : Initial Calibration

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#8

Acenaphthene

Concen: 0.031 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

Instrument :

BNA\_M

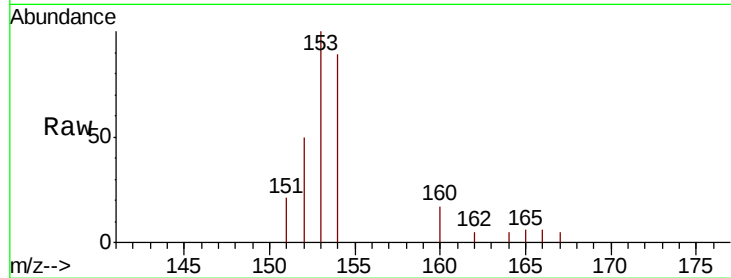
ClientSampleId :

DBDN9

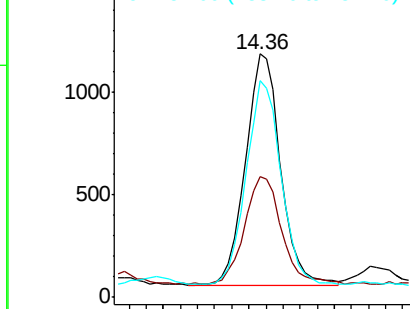
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 153   | Resp: | 1640  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 49.7  | 40.0  | 60.0  |
| 154      | 88.9  | 71.0  | 106.6 |

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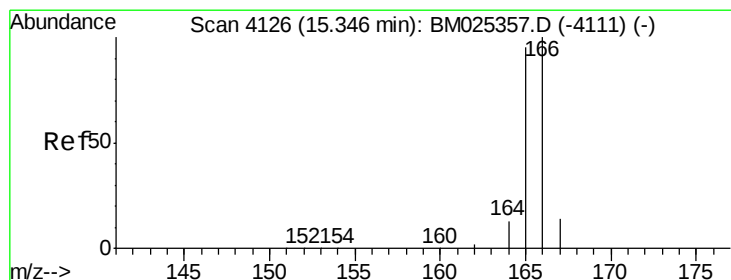
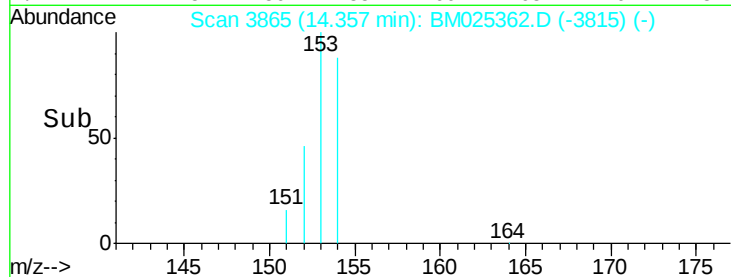
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Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.045 ng/ul

RT: 15.35 min Scan# 4126

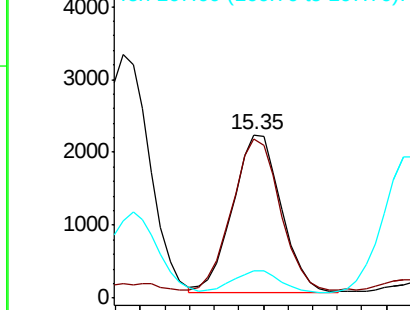
Delta R.T. -0.01 min

Lab File: BM025362.D

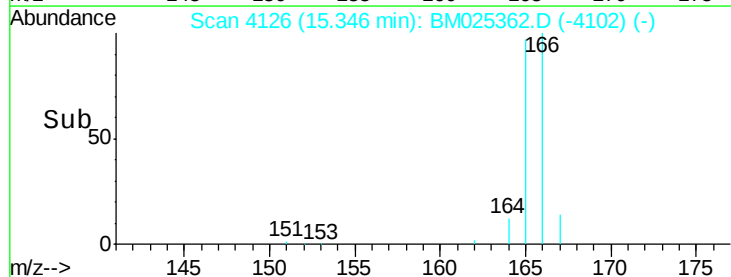
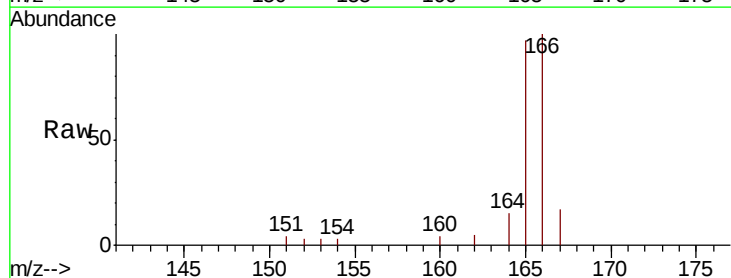
Acq: 07 Mar 2020 23:02

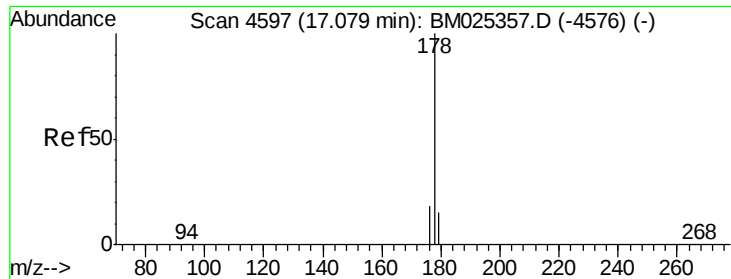
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 2966  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 97.4  | 80.0  | 120.0 |
| 167      | 16.5  | 13.7  | 20.5  |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 0.145 ng/ul

RT: 17.08 min Scan# 4597

Delta R.T. -0.01 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

Instrument :

BNA\_M

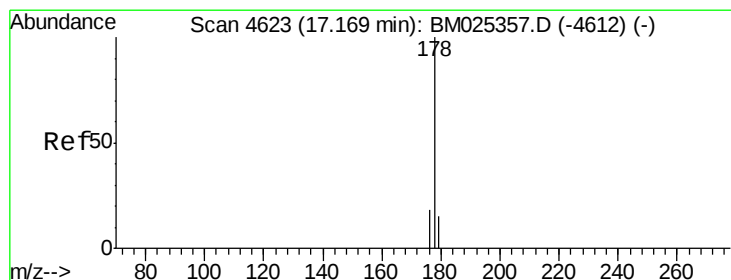
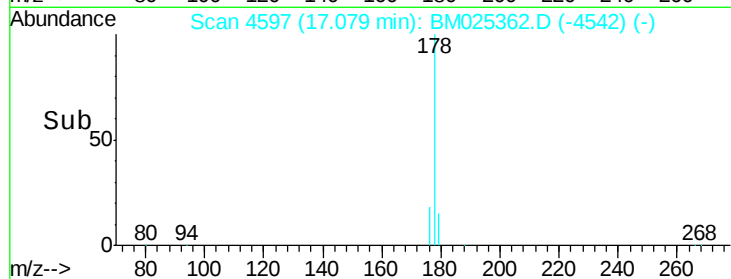
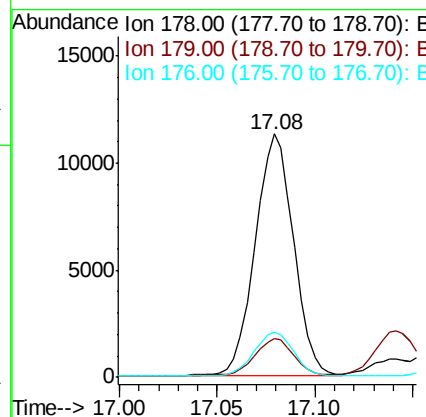
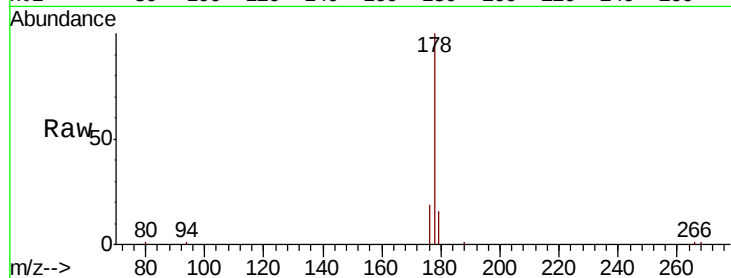
ClientSampleId :

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.8  | 14.0  | 21.0  |
| 176     | 18.8  | 16.6  | 24.8  |

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#13

Anthracene

Concen: 0.077 ng/ul

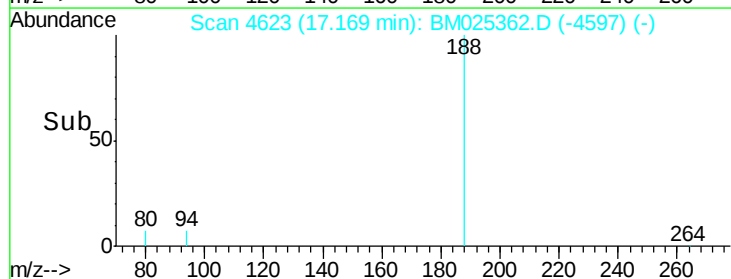
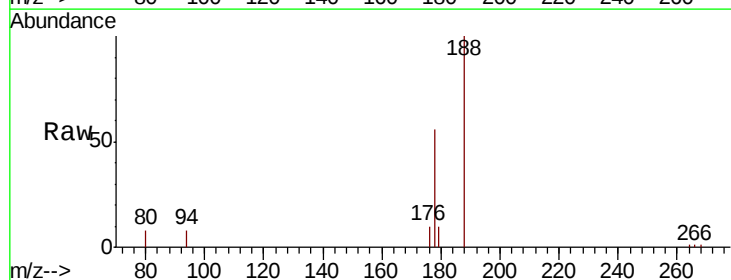
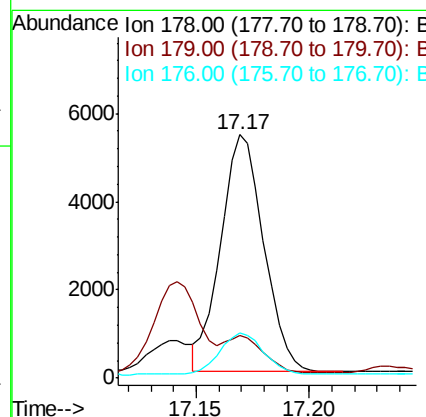
RT: 17.17 min Scan# 4623

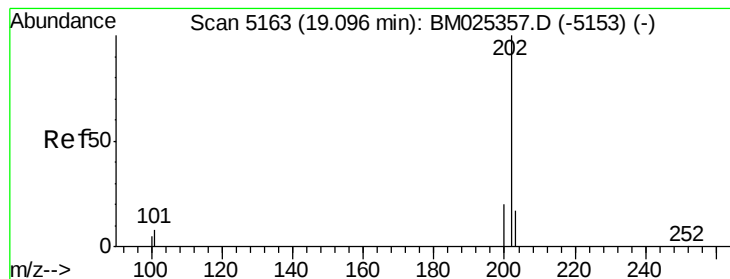
Delta R.T. -0.01 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.7  | 14.1  | 21.1  |
| 176     | 18.4  | 16.2  | 24.4  |





#15

Fluoranthene

Concen: 0.076 ng/ul

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

Instrument :

BNA\_M

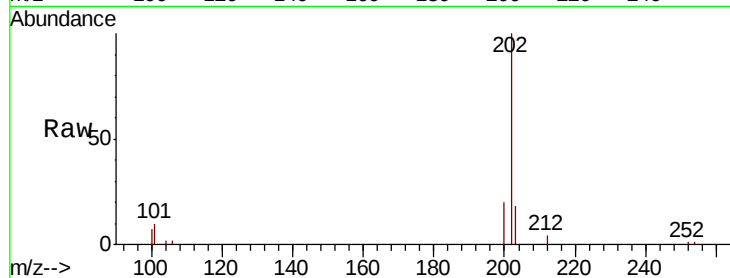
ClientSampled :

DBDN9

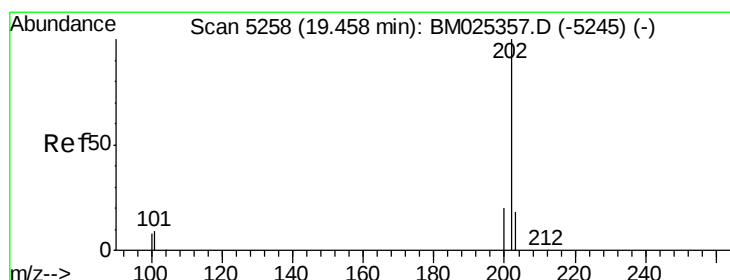
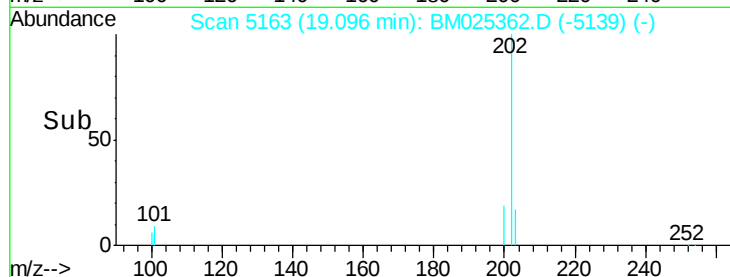
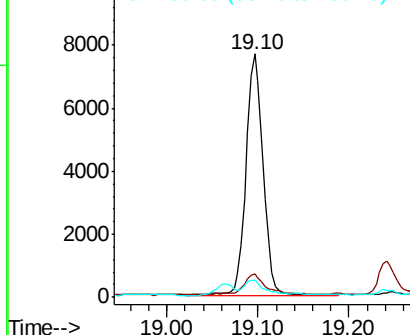
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 10060 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.6   | 0.0   | 29.4  |
| 100       | 6.9   | 0.0   | 28.0  |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.073 ng/ul

RT: 19.46 min Scan# 5258

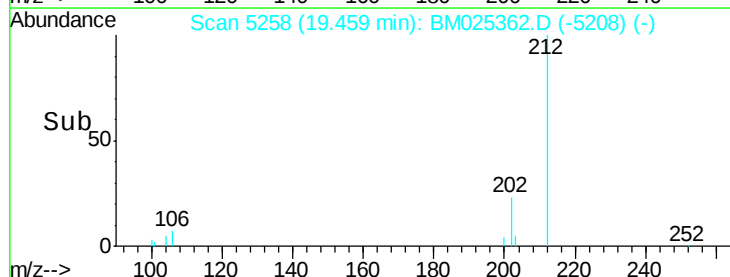
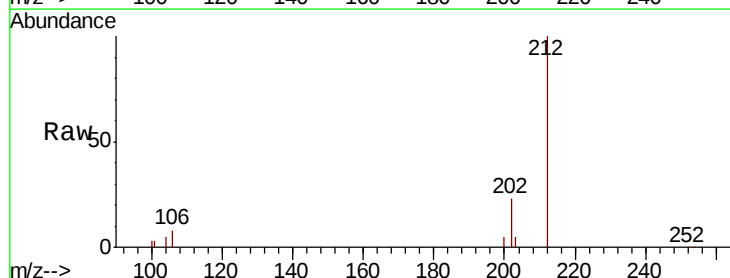
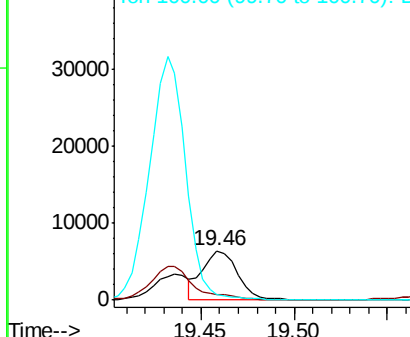
Delta R.T. -0.01 min

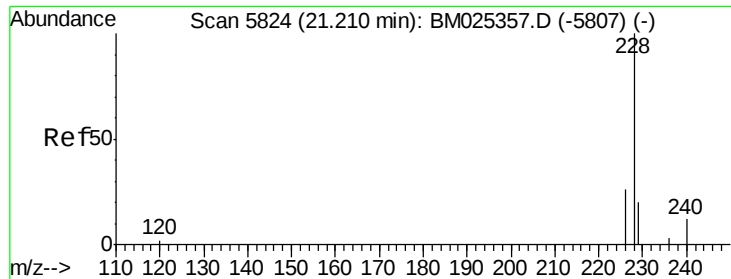
Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 8110  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.8  | 8.7   | 13.1  |
| 100       | 12.4  | 7.3   | 10.9# |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B





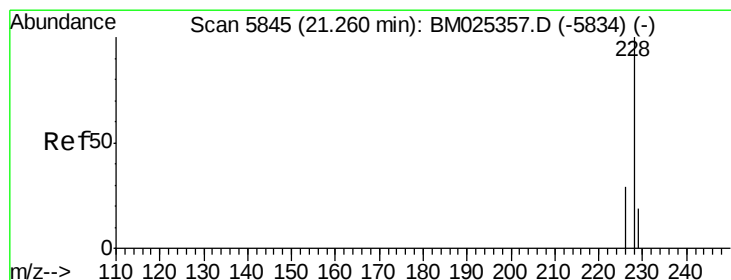
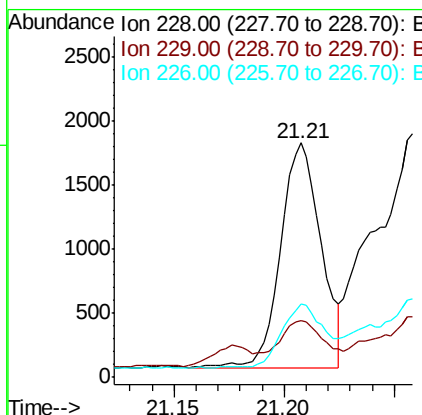
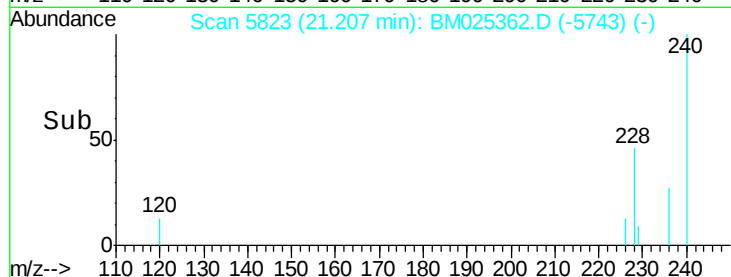
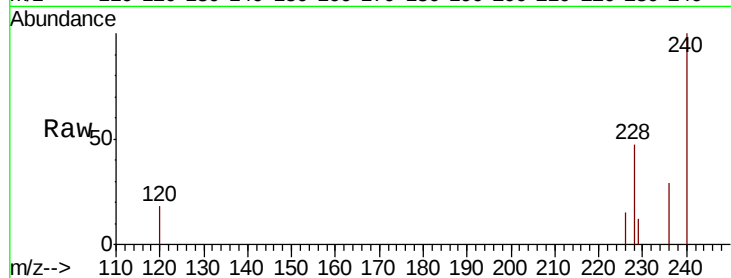
#18  
Benzo(a)anthracene  
Concen: 0.021 ng/ul  
RT: 21.21 min Scan# 5823  
Delta R.T. -0.01 min  
Lab File: BM025362.D  
Acq: 07 Mar 2020 23:02

Instrument :  
BNA\_M  
ClientSampleId :  
DBDN9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 24.4  | 16.6  | 25.0  |
| 226     | 31.3  | 21.9  | 32.9  |

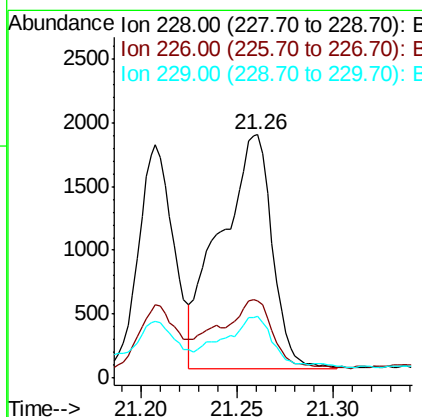
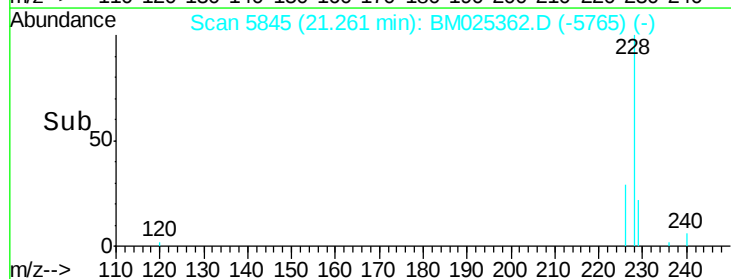
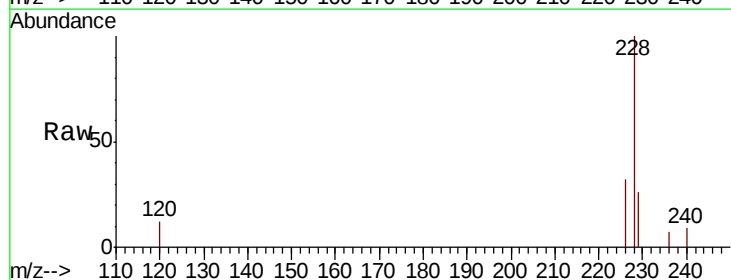
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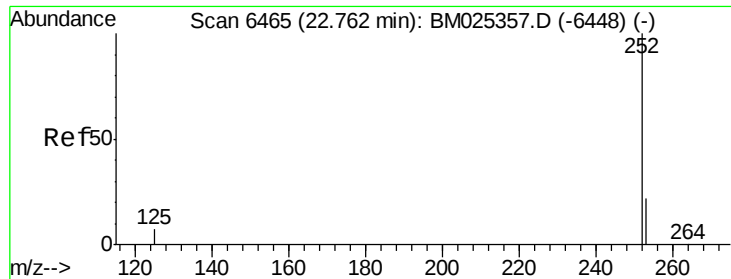
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#19  
Chrysene  
Concen: 0.029 ng/ul m  
RT: 21.26 min Scan# 5845  
Delta R.T. -0.01 min  
Lab File: BM025362.D  
Acq: 07 Mar 2020 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.7  | 23.8  | 35.8  |
| 229     | 25.6  | 16.9  | 25.3  |





#21

Benzo(b)fluoranthene

Concen: 0.061 ng/ul m

RT: 22.76 min Scan# 6465

Delta R.T. -0.01 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

Instrument :

BNA\_M

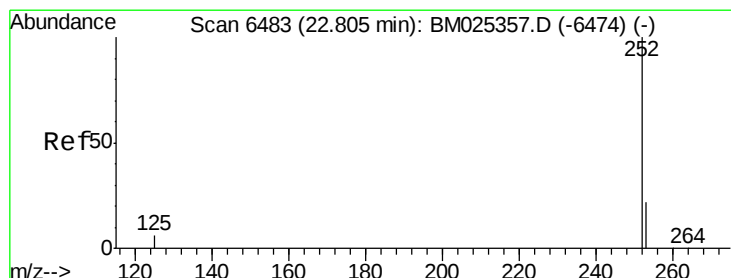
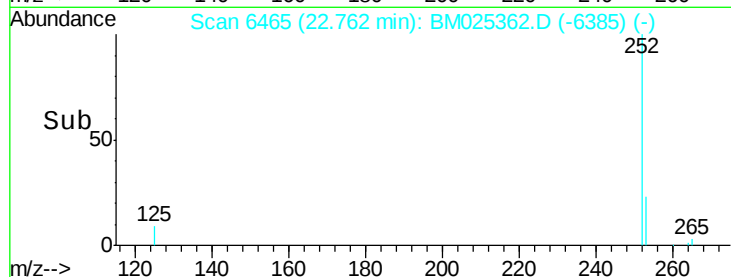
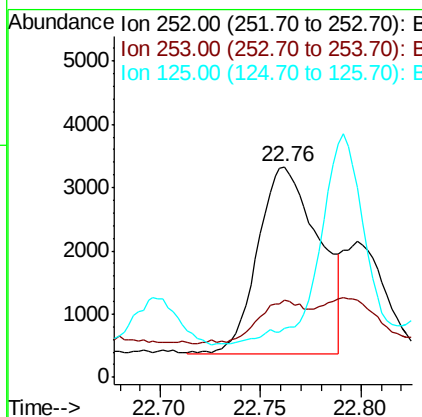
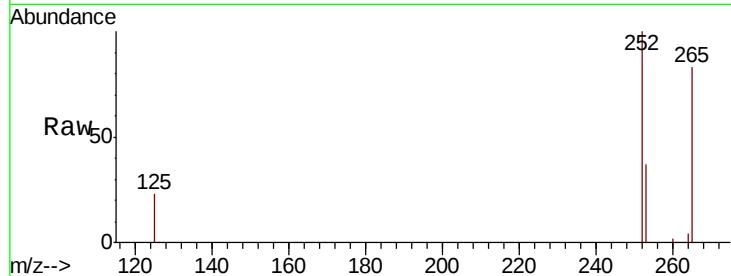
ClientSampleId :

DBDN9

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 252   | Resp: | 6279 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 36.9  | 0.0   | 49.8 |
| 125       | 23.2  | 0.0   | 28.6 |

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#22

Benzo(k)fluoranthene

Concen: 0.024 ng/ul m

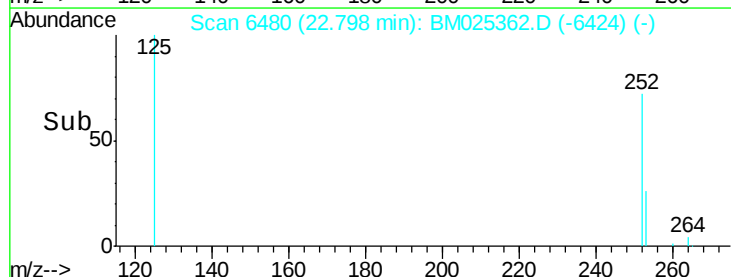
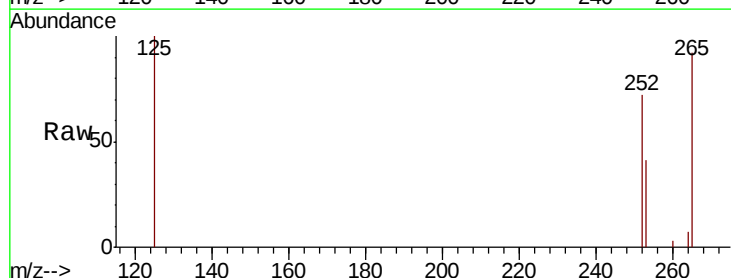
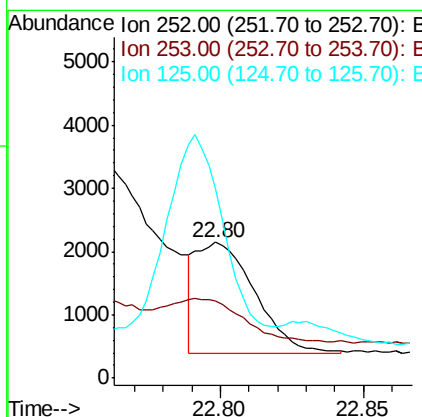
RT: 22.80 min Scan# 6480

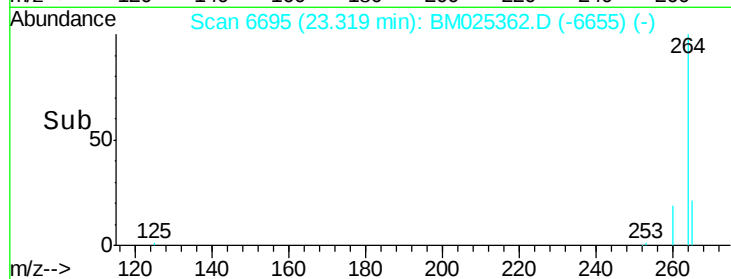
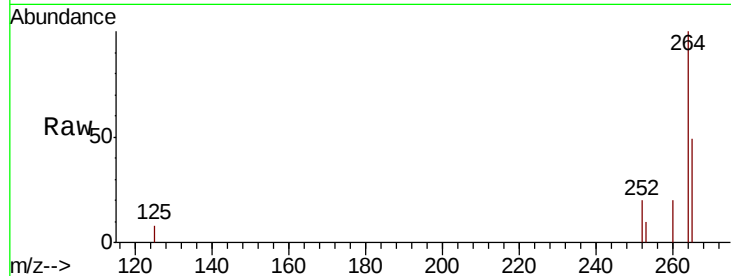
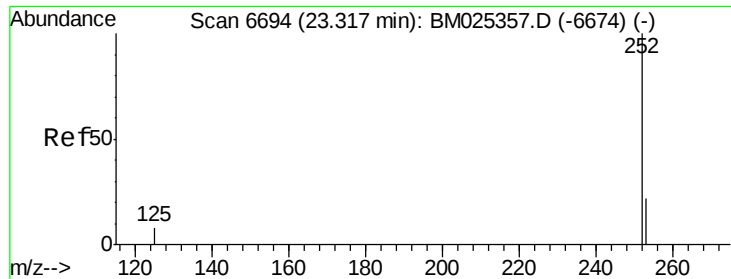
Delta R.T. -0.01 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 2554  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 56.9  | 19.4  | 29.0# |
| 125       | 139.5 | 10.7  | 16.1# |





#23

Benzo(a)pyrene

Concen: 0.030 ng/ul

RT: 23.32 min Scan# 6695

Delta R.T. -0.00 min

Lab File: BM025362.D

Acq: 07 Mar 2020 23:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 2596  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 49.6  | 20.3  | 30.5# |
| 125       | 39.2  | 13.0  | 19.4# |

Instrument :

BNA\_M

ClientSampleId :

DBDN9

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