

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021621\  
 Data File : BM028749.D  
 Acq On : 16 Feb 2021 15:19  
 Operator : CG/JU  
 Sample : M1407-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBGJ9

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Quant Time: Feb 16 15:51:01 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 16 10:21:34 2021  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.89  | 152  | 395      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.70 | 136  | 1637     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.54 | 164  | 991      | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.28 | 188  | 2075m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.42 | 240  | 1753     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.66 | 264  | 1753     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.29 | 152  | 835      | 0.36   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.29 | 212  | 2030     | 0.38   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.75 | 128  | 181      | 0.044  | ng/ul# | 30       |
| 5) 2-Methylnaphthalene      | 12.36 | 142  | 292      | 0.107  | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.26 | 152  | 329      | 0.081  | ng/ul# | 69       |
| 8) Acenaphthene             | 14.60 | 153  | 6402     | 1.997  | ng/ul  | 98       |
| 9) Fluorene                 | 15.59 | 166  | 1379     | 0.387  | ng/ul# | 89       |
| 11) Pentachlorophenol       | 16.93 | 266  | 1010     | 1.863  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.31 | 178  | 421      | 0.073  | ng/ul# | 70       |
| 13) Anthracene              | 17.41 | 178  | 514      | 0.093  | ng/ul# | 75       |
| 17) Pyrene                  | 19.68 | 202  | 135      | 0.021  | ng/ul# | 27       |

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

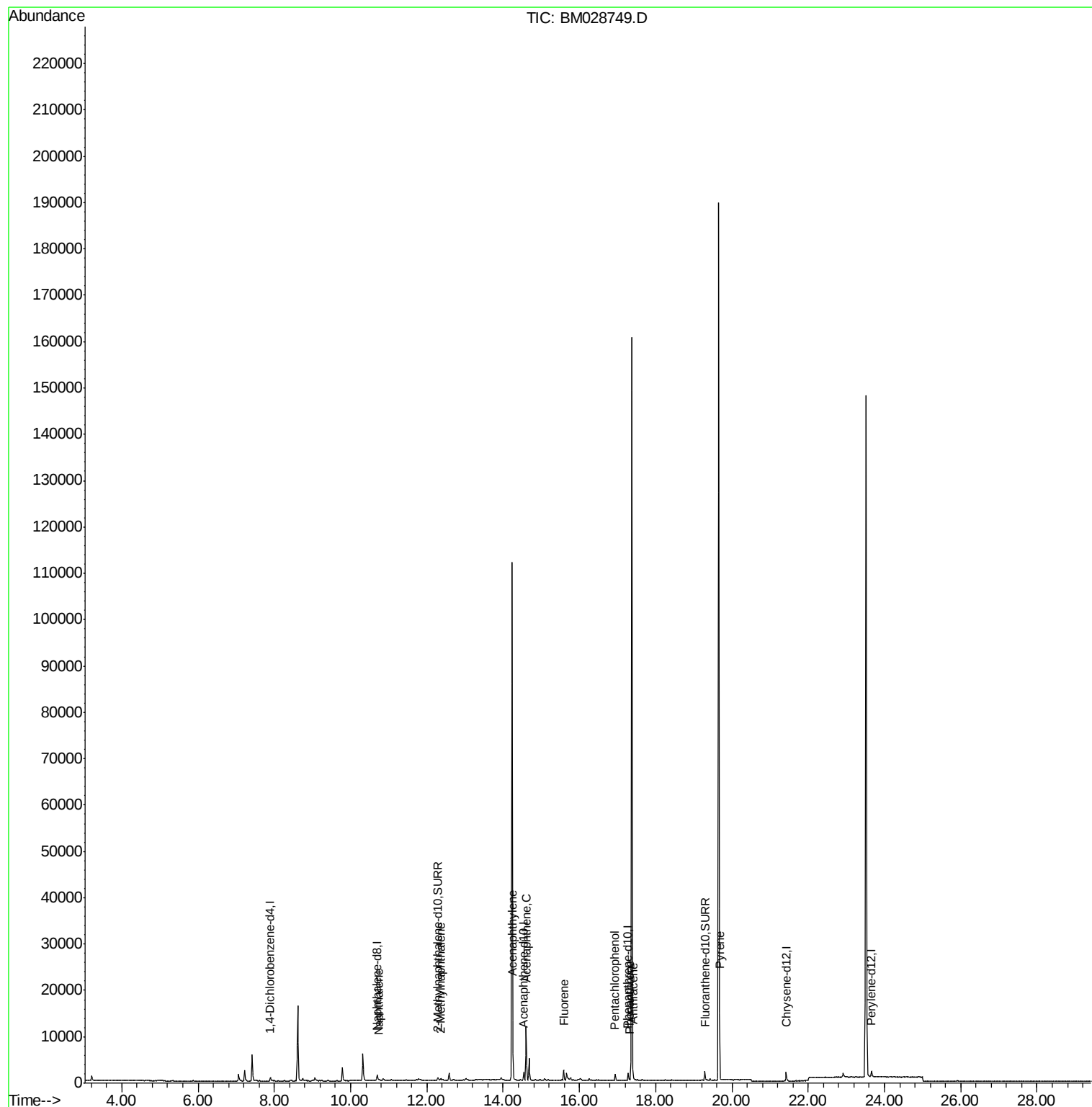
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021621\  
Data File : BM028749.D  
Acq On : 16 Feb 2021 15:19  
Operator : CG/JU  
Sample : M1407-04  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

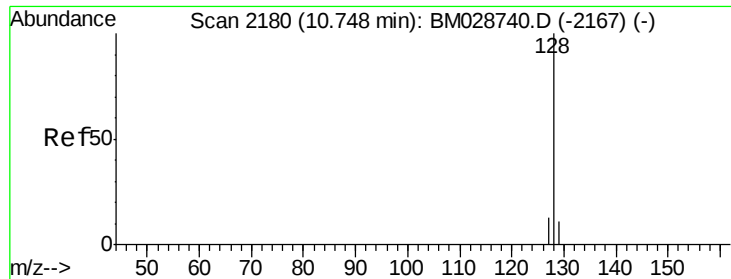
Instrument :  
BNA\_M  
ClientSampleId :  
DBGJ9

Quant Time: Feb 16 15:51:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 16 10:21:34 2021  
Response via : Initial Calibration

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#3

Naphthalene

Concen: 0.044 ng/ul

RT: 10.75 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BM028749.D

Acq: 16 Feb 2021 15:19

Instrument :

BNA\_M

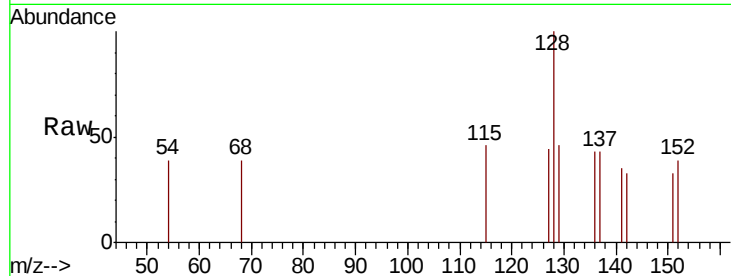
ClientSampleId :

DBGJ9

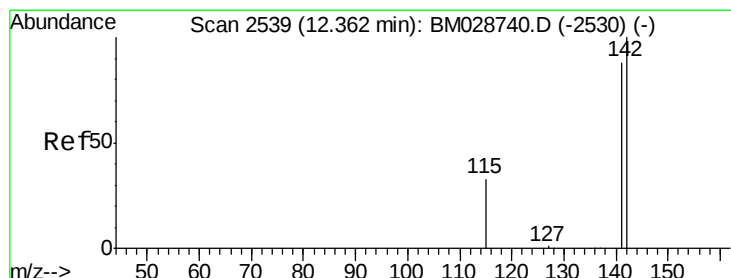
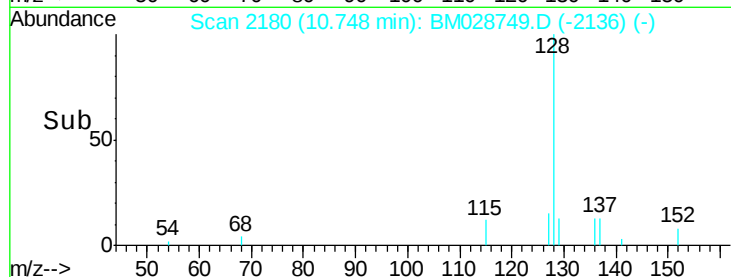
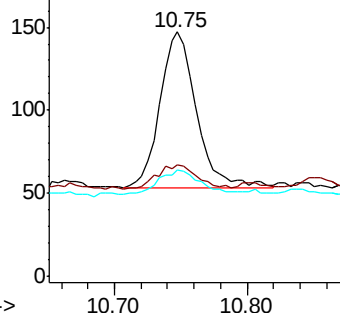
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 181   |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 45.6  | 11.4  | 17.2# |
| 127       | 43.5  | 13.0  | 19.6# |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.107 ng/ul

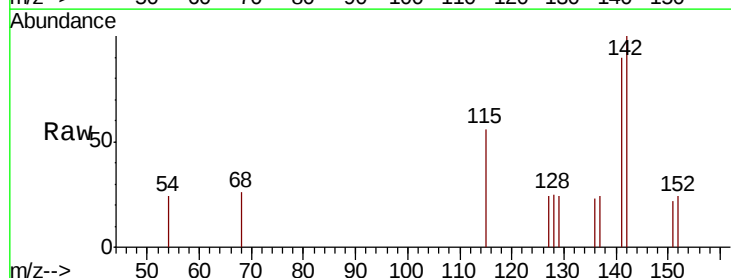
RT: 12.36 min Scan# 2539

Delta R.T. -0.00 min

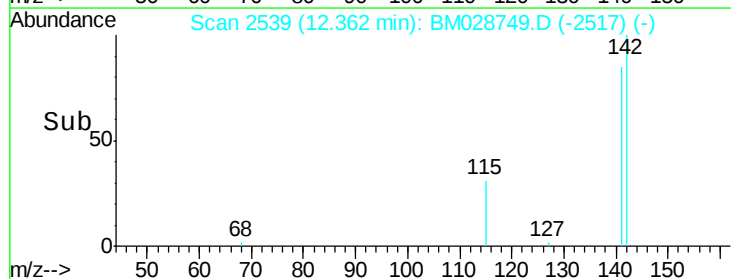
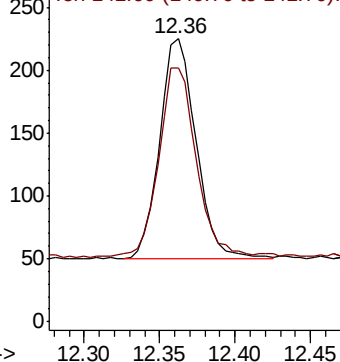
Lab File: BM028749.D

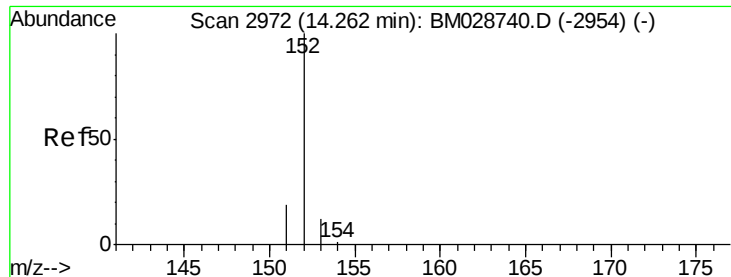
Acq: 16 Feb 2021 15:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 292   |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.4  | 72.2  | 108.4 |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.081 ng/ul

RT: 14.26 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BM028749.D

Acq: 16 Feb 2021 15:19

Instrument :

BNA\_M

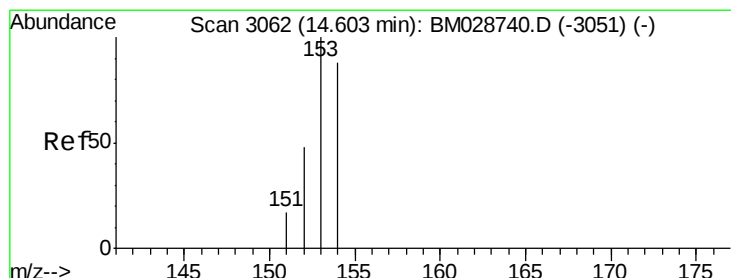
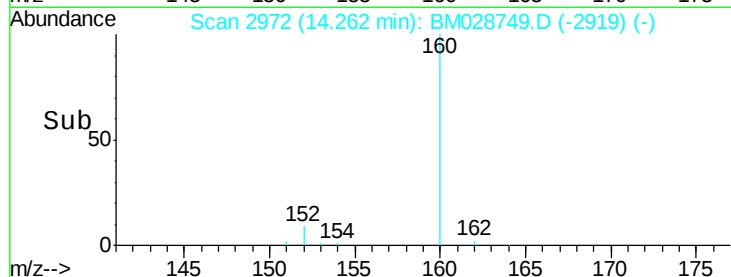
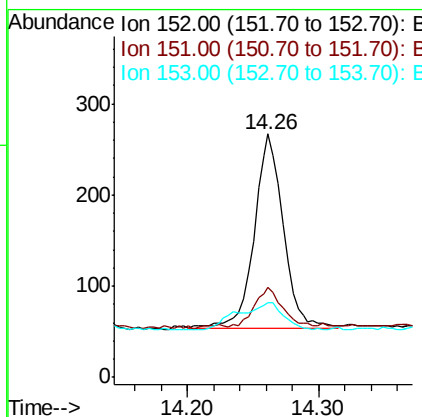
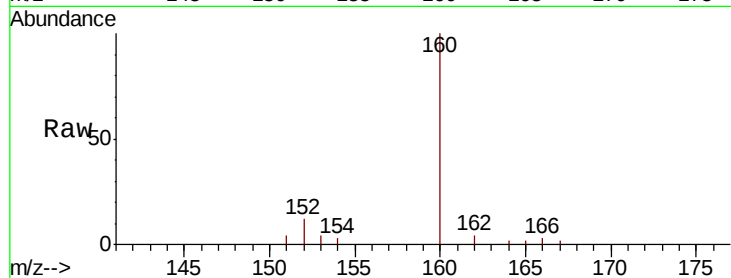
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 329   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 37.1  | 18.0  | 27.0# |
| 153       | 30.7  | 13.4  | 20.0# |

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#8

Acenaphthene

Concen: 1.997 ng/ul

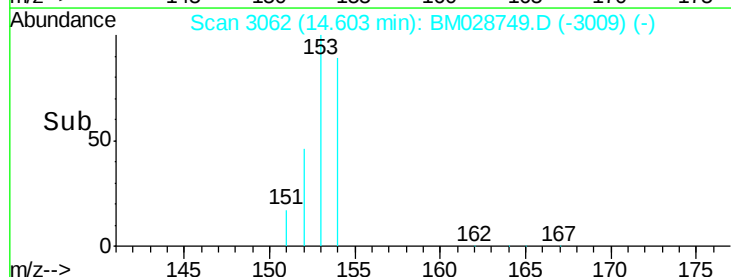
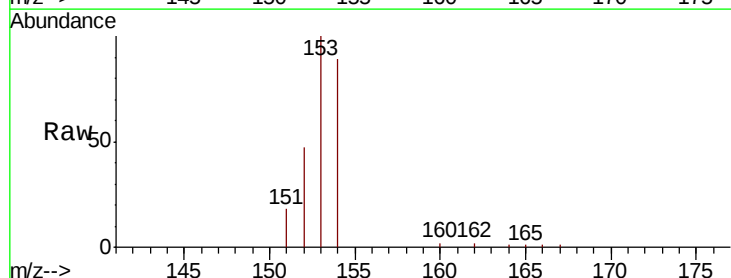
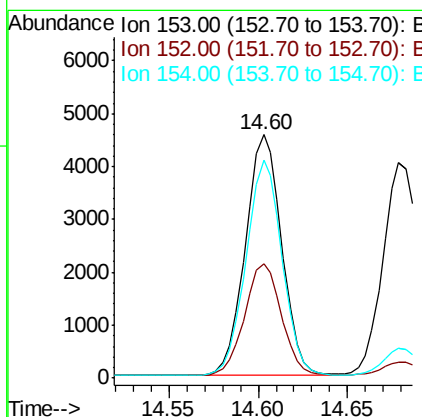
RT: 14.60 min Scan# 3062

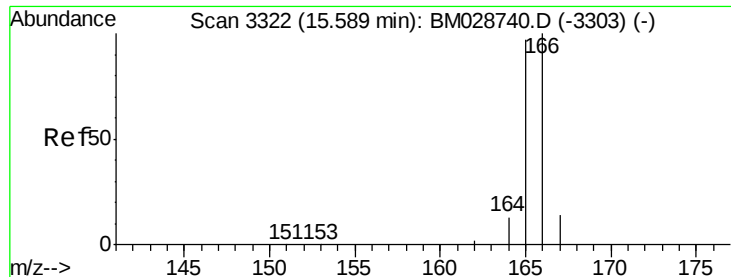
Delta R.T. -0.00 min

Lab File: BM028749.D

Acq: 16 Feb 2021 15:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 6402  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 47.0  | 39.6  | 59.4  |
| 154       | 89.5  | 70.3  | 105.5 |





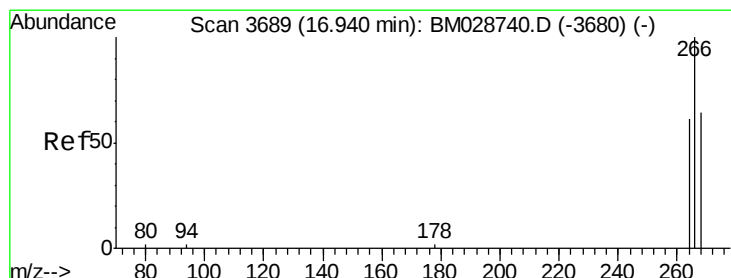
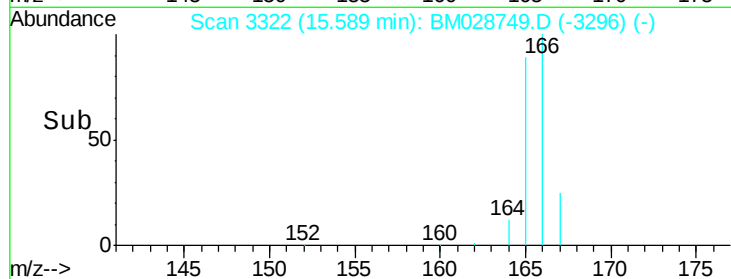
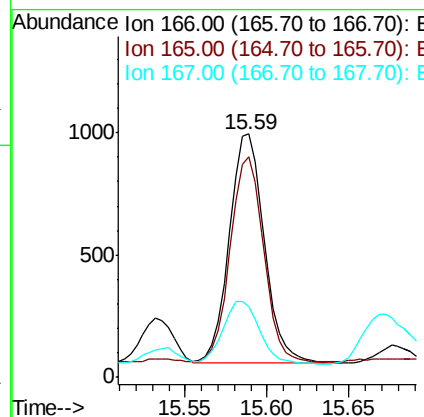
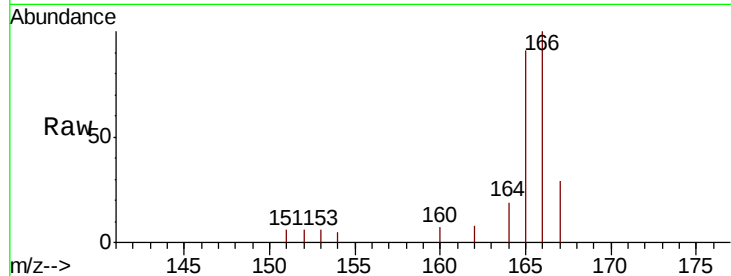
#9  
**Fluorene**  
 Concen: 0.387 ng/ul  
 RT: 15.59 min Scan# 3322  
 Delta R.T. -0.00 min  
 Lab File: BM028749.D  
 Acq: 16 Feb 2021 15:19

Instrument :  
 BNA\_M  
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 DBGJ9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 90.8  | 79.6  | 119.4 |
| 167     | 29.2  | 13.9  | 20.9  |

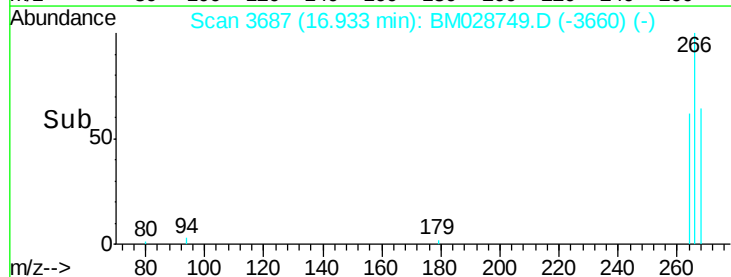
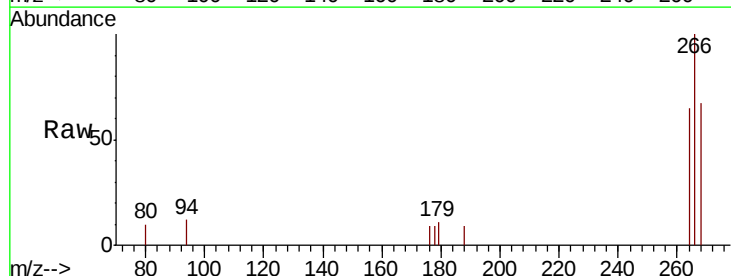
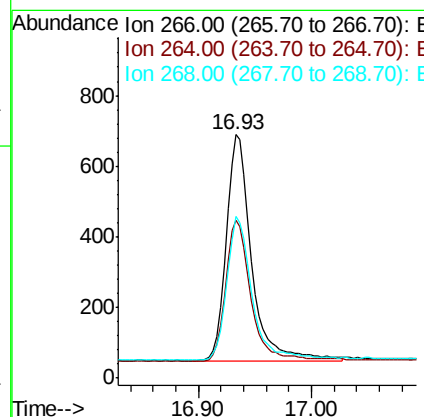
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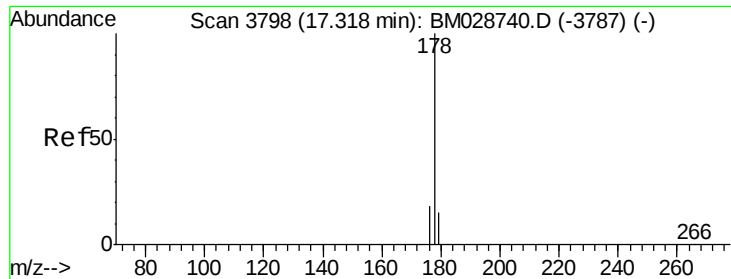
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#11  
**Pentachlorophenol**  
 Concen: 1.863 ng/ul  
 RT: 16.93 min Scan# 3687  
 Delta R.T. -0.01 min  
 Lab File: BM028749.D  
 Acq: 16 Feb 2021 15:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.2  | 51.0  | 76.4  |
| 268     | 63.2  | 53.0  | 79.4  |





#12

Phenanthrene

Concen: 0.073 ng/ul

RT: 17.31 min Scan# 3797

Delta R.T. -0.00 min

Lab File: BM028749.D

Acq: 16 Feb 2021 15:19

Instrument :

BNA\_M

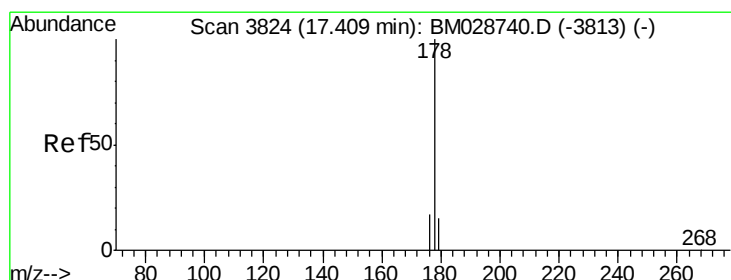
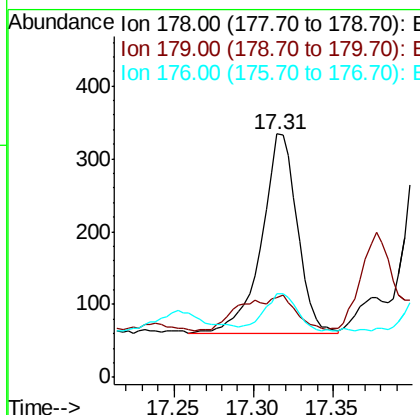
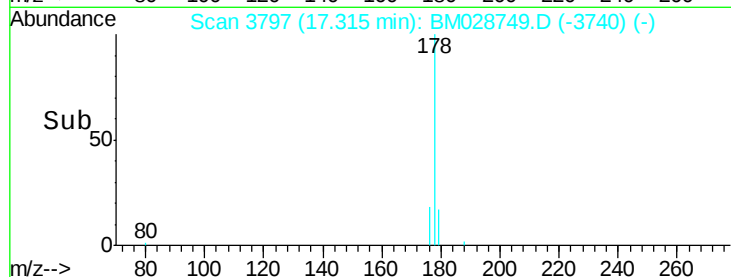
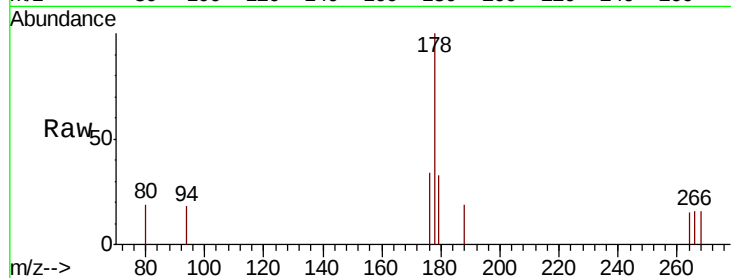
ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 421   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 32.9  | 14.7  | 22.1# |
| 176      | 34.1  | 16.7  | 25.1# |

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#13

Anthracene

Concen: 0.093 ng/ul

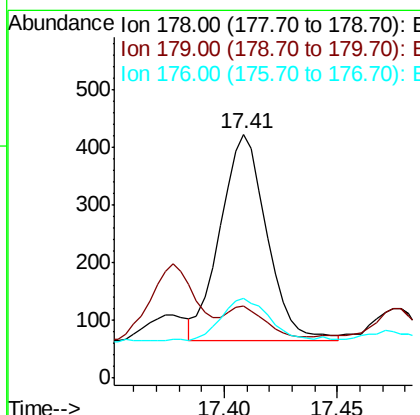
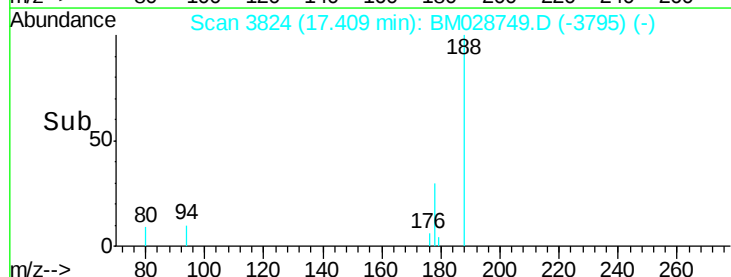
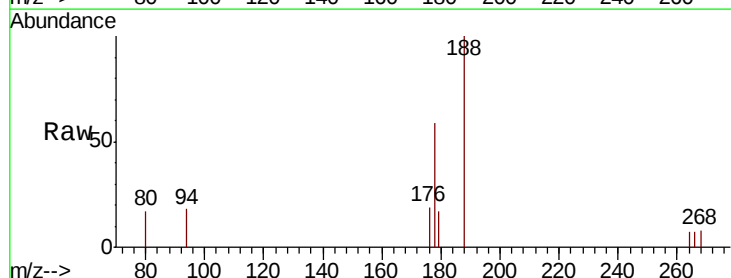
RT: 17.41 min Scan# 3824

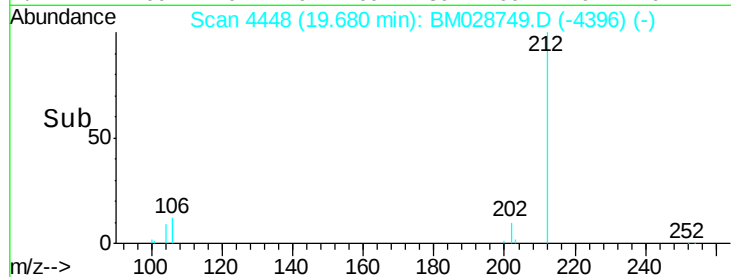
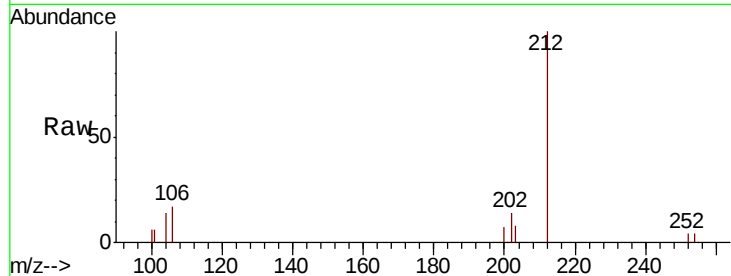
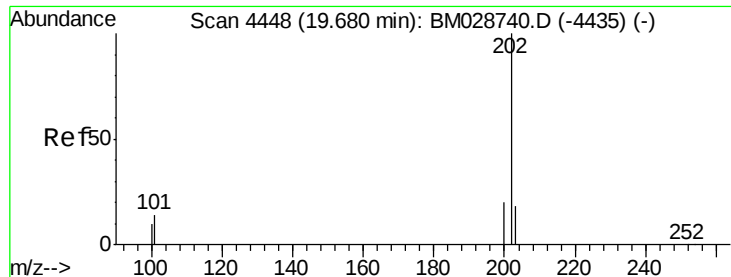
Delta R.T. -0.00 min

Lab File: BM028749.D

Acq: 16 Feb 2021 15:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 514   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 29.3  | 15.0  | 22.4# |
| 176      | 32.9  | 16.6  | 24.8# |





#17  
 Pvrene  
 Concen: 0.021 ng/ul  
 RT: 19.68 min Scan# 4448  
 Delta R.T. -0.00 min  
 Lab File: BM028749.D  
 Acq: 16 Feb 2021 15:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBGJ9

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 44.4  | 12.7       | 19.1#      |
| 100     | 44.9  | 10.2       | 15.4#      |

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