

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM030817\  
 Data File : BM009117.D  
 Acq On : 08 Mar 2017 19:53  
 Operator : SJ/MA  
 Sample : I2062-12  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AD4

Manual Integrations  
 APPROVED

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 3/9/2017 2:01:24 PM

Quant Time: Mar 09 02:28:12 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM030317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 09 01:19:41 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.88  | 152  | 241      | 0.40 | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.69 | 136  | 751      | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.52 | 164  | 462      | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 1078m    | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.45 | 240  | 1234     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.78 | 264  | 1126m    | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 270      | 0.22 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.30 | 212  | 764      | 0.23 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
| 12) Phenanthrene            | 17.31 | 178  | 117m     | 0.03 | ng/ul  |          |
| 15) Fluoranthene            | 19.33 | 202  | 221      | 0.05 | ng/ul  | 55       |
| 17) Pyrene                  | 19.69 | 202  | 389      | 0.09 | ng/ul# | 67       |
| 18) Benzo(a)anthracene      | 21.43 | 228  | 201      | 0.05 | ng/ul# | 62       |
| 19) Chrysene                | 21.48 | 228  | 161      | 0.04 | ng/ul# | 57       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.16 | 276  | 187m     | 0.04 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.89 | 276  | 196m     | 0.05 | ng/ul  |          |

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

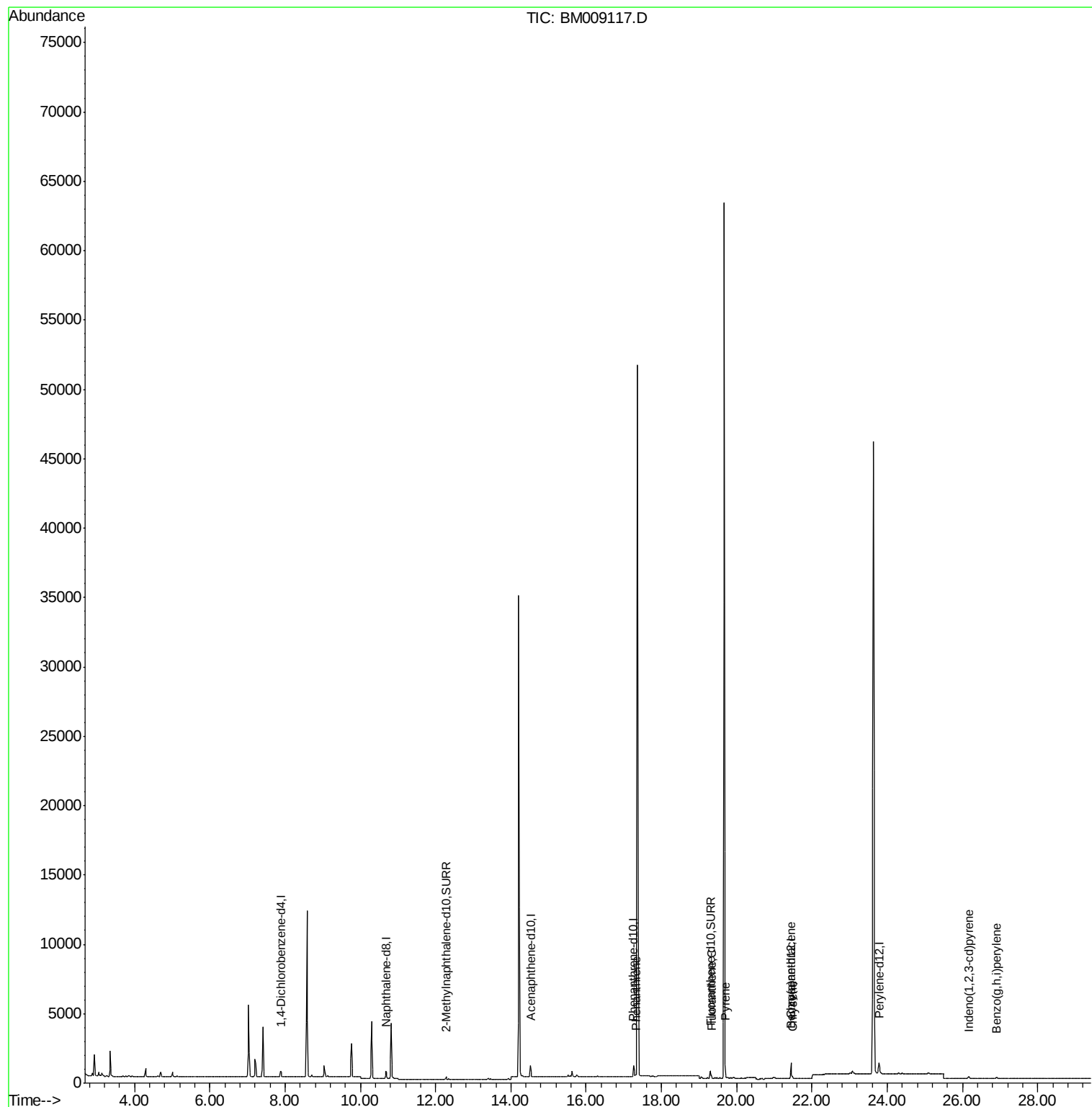
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM030817\  
Data File : BM009117.D  
Acq On : 08 Mar 2017 19:53  
Operator : SJ/MA  
Sample : I2062-12  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

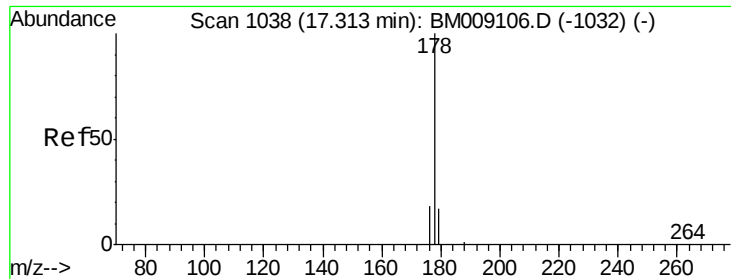
Instrument :  
BNA\_M  
ClientSampleId :  
C0AD4

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QLast Update : Thu Mar 09 01:19:41 2017  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.03 ng/ul m

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM009117.D

Acq: 08 Mar 2017 19:53

Instrument :

BNA\_M

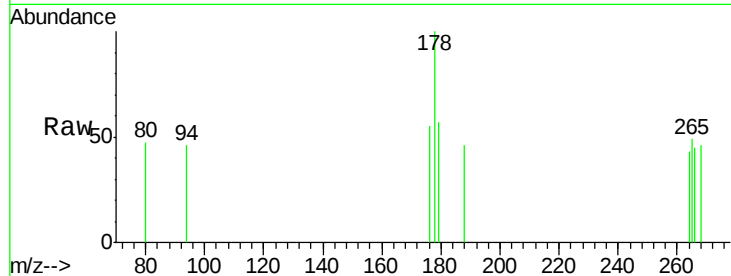
ClientSampleId :

C0AD4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 117   |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 55.1  | 18.4  | 27.6# |
| 179       | 57.0  | 13.6  | 20.4# |

Manual Integrations  
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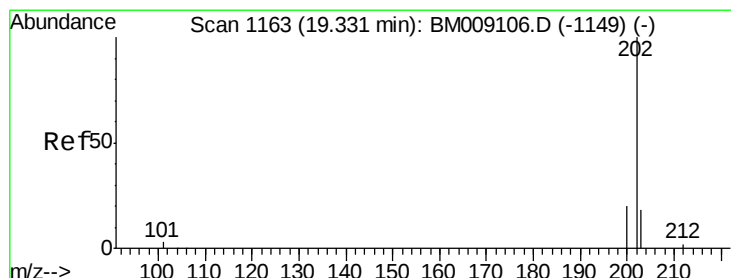
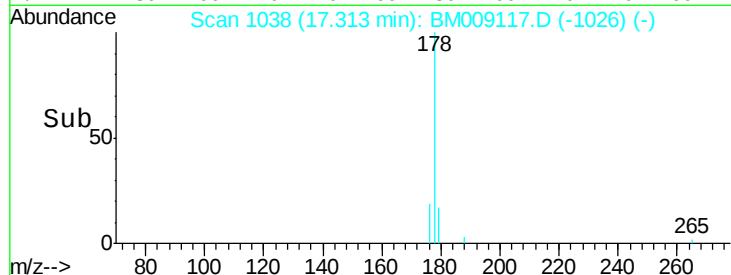
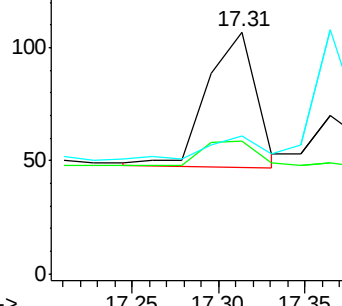
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Fluoranthene

Concen: 0.05 ng/ul

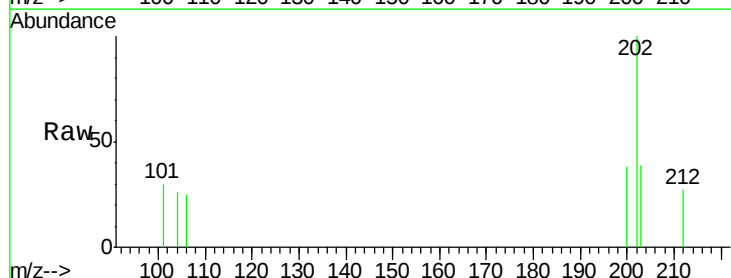
RT: 19.33 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BM009117.D

Acq: 08 Mar 2017 19:53

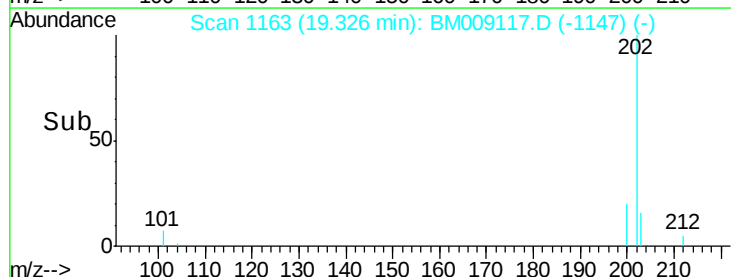
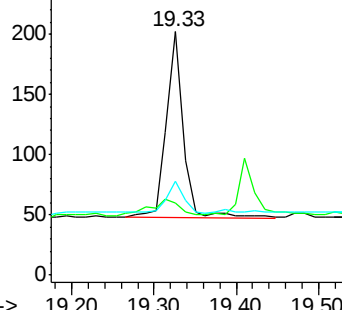
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 221  |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 29.7  | 0.0   | 30.3 |
| 203       | 38.6  | 0.0   | 39.5 |

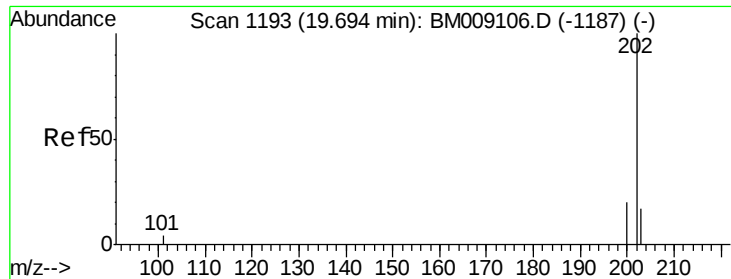


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.09 ng/u1

RT: 19.69 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BM009117.D

Acq: 08 Mar 2017 19:53

Instrument :

BNA\_M

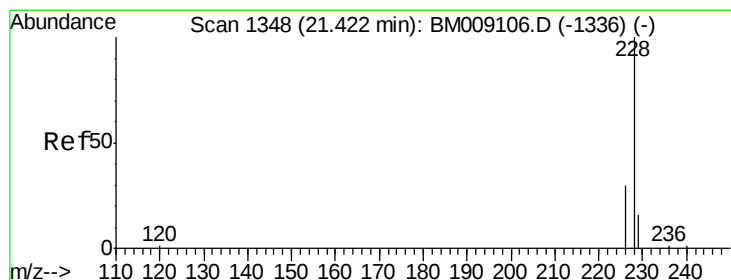
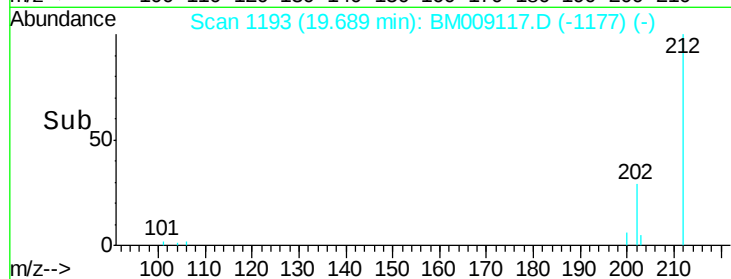
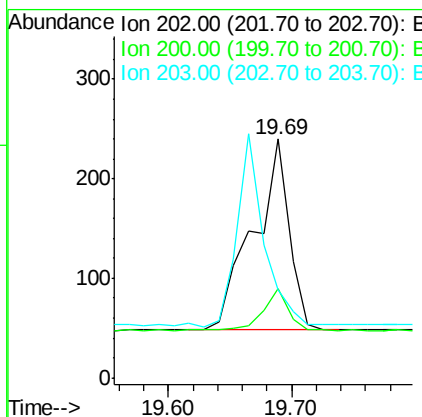
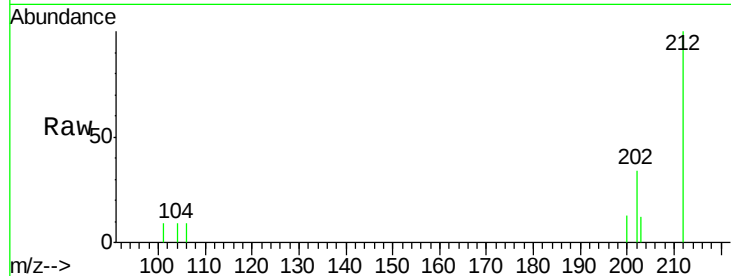
ClientSampleId :

C0AD4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 389   |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 37.1  | 18.2  | 27.4# |
| 203       | 36.7  | 15.6  | 23.4# |

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#18

Benzo(a)anthracene

Concen: 0.05 ng/u1

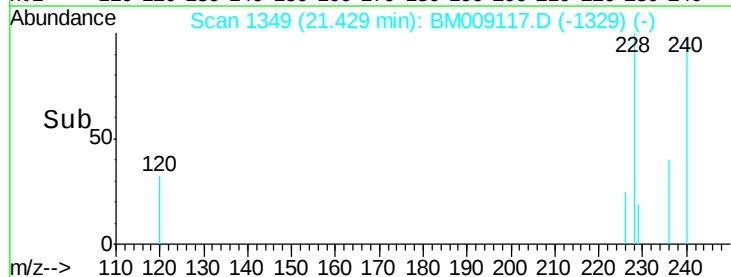
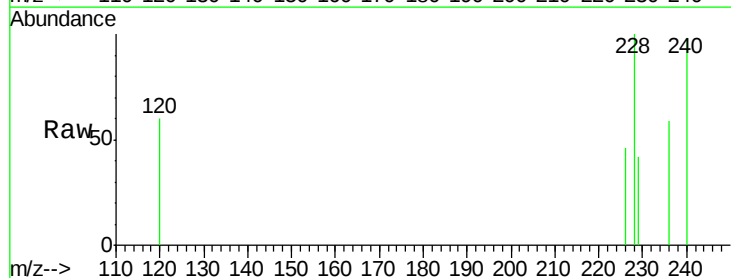
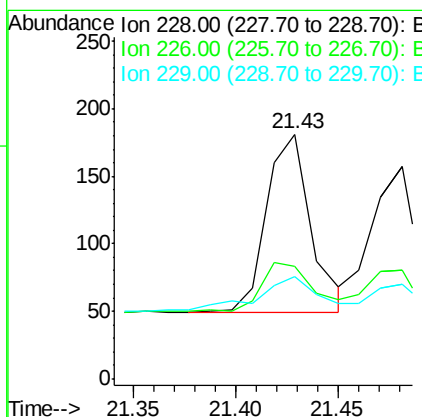
RT: 21.43 min Scan# 1349

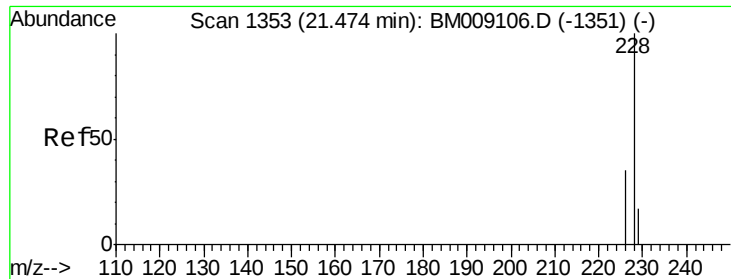
Delta R.T. 0.01 min

Lab File: BM009117.D

Acq: 08 Mar 2017 19:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 201   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 45.9  | 22.8  | 34.2# |
| 229       | 42.0  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.04 ng/ul

RT: 21.48 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BM009117.D

Acq: 08 Mar 2017 19:53

Instrument :

BNA\_M

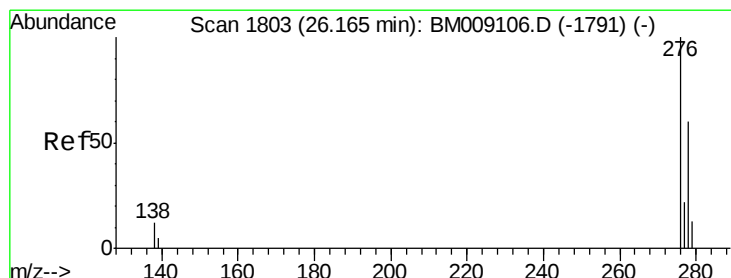
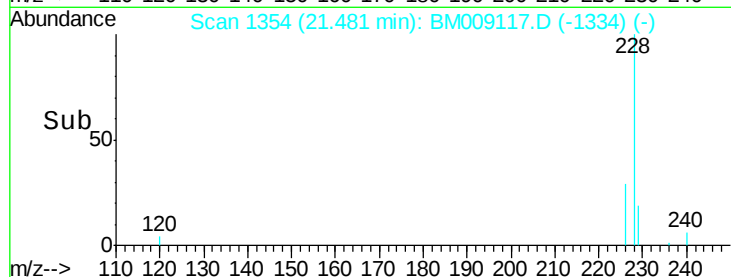
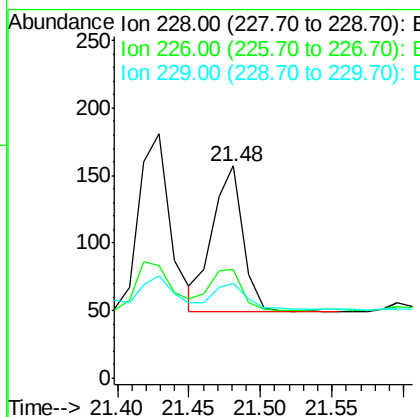
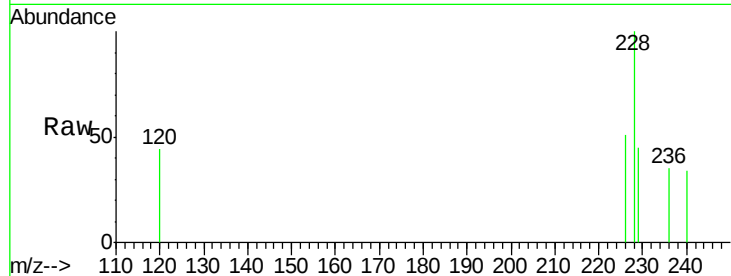
ClientSampled :

C0AD4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 161   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 51.0  | 23.4  | 35.0# |
| 229       | 44.6  | 17.7  | 26.5# |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul m

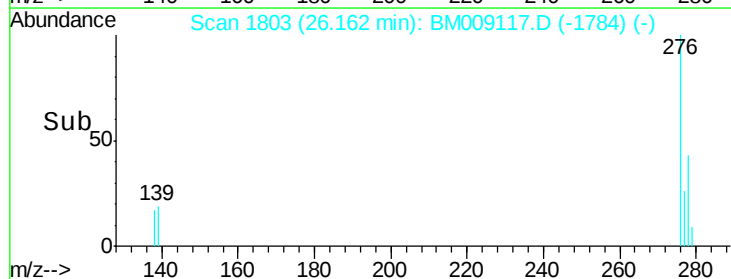
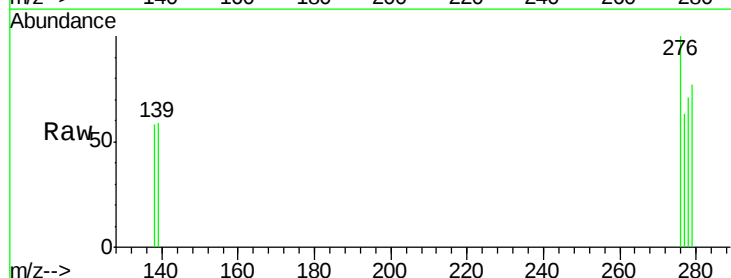
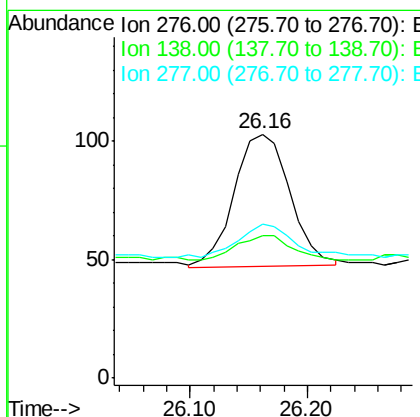
RT: 26.16 min Scan# 1803

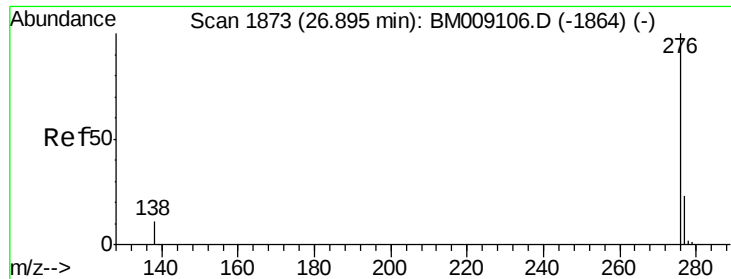
Delta R.T. -0.00 min

Lab File: BM009117.D

Acq: 08 Mar 2017 19:53

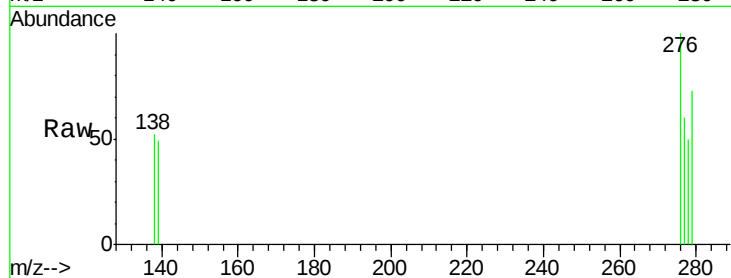
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 187   |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 0.0   | 19.1  | 28.7# |
| 277       | 3.2   | 19.6  | 29.4# |





#26  
Benzo(g,h,i)perylene  
Concen: 0.05 ng/ul m  
RT: 26.89 min Scan# 1873  
Delta R.T. -0.00 min  
Lab File: BM009117.D  
Acq: 08 Mar 2017 19:53

Instrument :  
BNA\_M  
ClientSampleId :  
C0AD4



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 60.0  | 21.8  | 32.8# |
| 138     | 52.4  | 20.5  | 30.7# |

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