

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122416\  
 Data File : BM008646.D  
 Acq On : 24 Dec 2016 23:33  
 Operator : UM/SJ  
 Sample : H6069-06DL 2X  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7J2DL

Manual Integrations  
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Quant Time: Dec 26 01:34:19 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 26 00:55:42 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 443      | 0.40 | ng/ul  | -0.08    |
| 2) Naphthalene-d8           | 10.43 | 136  | 1425     | 0.40 | ng/ul  | -0.05    |
| 6) Acenaphthene-d10         | 14.28 | 164  | 906      | 0.40 | ng/ul  | -0.03    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 1869m    | 0.40 | ng/ul  | -0.03    |
| 16) Chrysene-d12            | 21.26 | 240  | 1620     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.49 | 264  | 1165m    | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.04 | 152  | 515      | 0.24 | ng/ul  | -0.04    |
| 14) Fluoranthene-d10        | 19.08 | 212  | 1435m    | 0.28 | ng/ul  | -0.01    |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.46 | 128  | 539      | 0.13 | ng/ul# | 66       |
| 5) 2-Methylnaphthalene      | 12.11 | 142  | 548      | 0.20 | ng/ul  | 99       |
| 12) Phenanthrene            | 17.07 | 178  | 1264m    | 0.22 | ng/ul  |          |
| 15) Fluoranthene            | 19.12 | 202  | 1152     | 0.16 | ng/ul  | 88       |
| 17) Pyrene                  | 19.47 | 202  | 1210     | 0.19 | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 21.25 | 228  | 526      | 0.10 | ng/ul# | 62       |
| 19) Chrysene                | 21.30 | 228  | 602      | 0.10 | ng/ul# | 65       |
| 21) Benzo(b)fluoranthene    | 22.82 | 252  | 781m     | 0.17 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.86 | 252  | 317m     | 0.07 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.38 | 252  | 397m     | 0.09 | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.77 | 276  | 332m     | 0.07 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.44 | 276  | 310m     | 0.07 | ng/ul  |          |

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

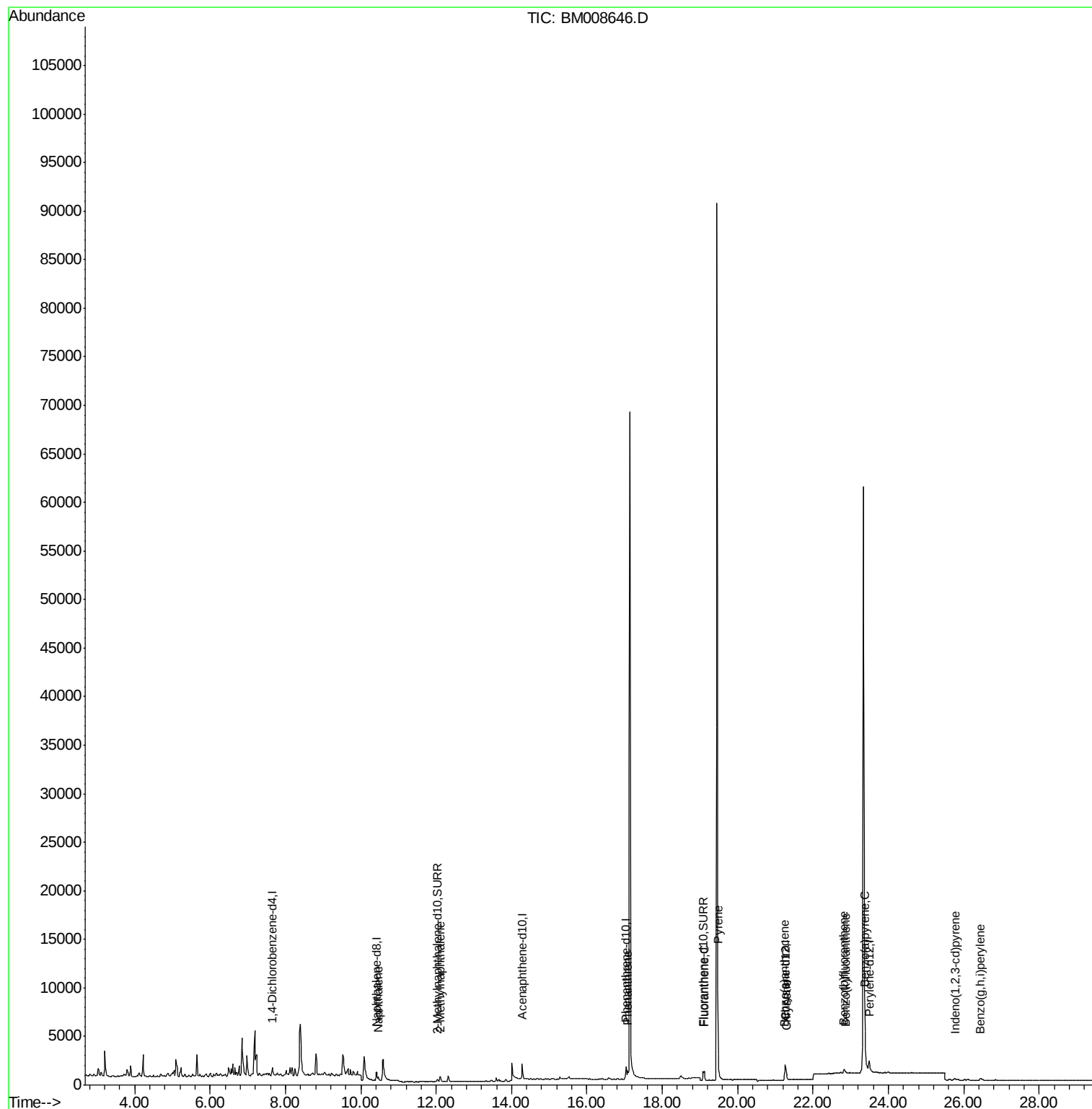
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122416\  
Data File : BM008646.D  
Acq On : 24 Dec 2016 23:33  
Operator : UM/SJ  
Sample : H6069-06DL 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

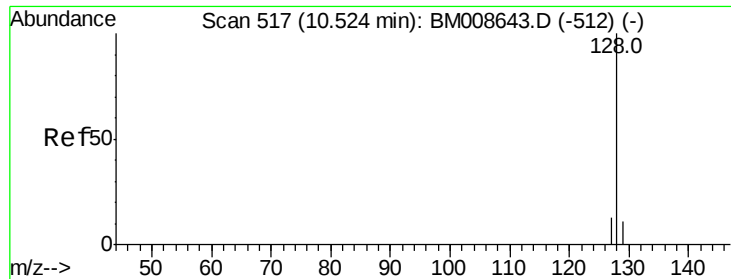
Instrument :  
BNA\_M  
ClientSampleId :  
DA7J2DL

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Quant Time: Dec 26 01:34:19 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 26 00:55:42 2016  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.06 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

Instrument :

BNA\_M

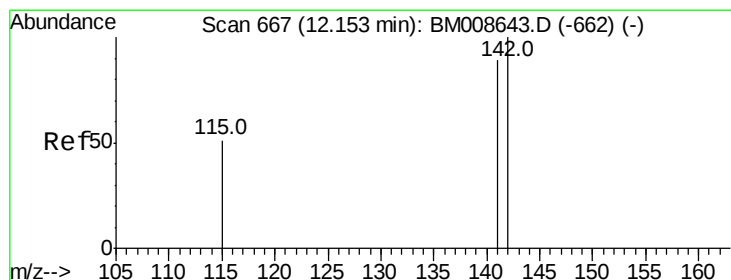
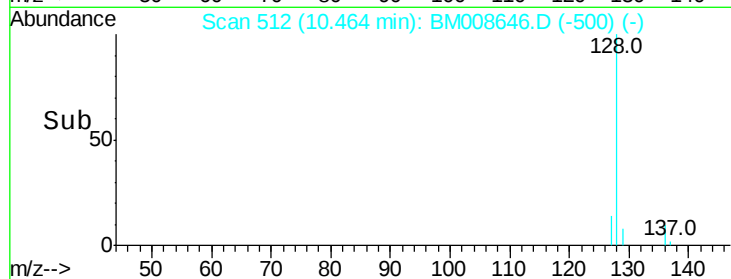
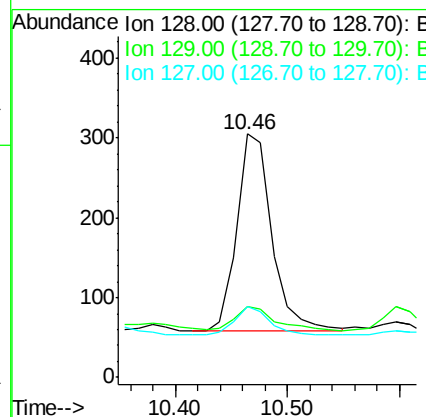
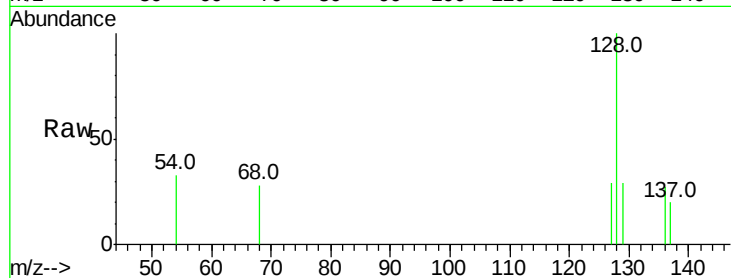
ClientSampleId :

DA7J2DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 539   |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 29.2  | 11.3  | 16.9# |
| 127       | 29.2  | 12.8  | 19.2# |

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#5

2-Methylnaphthalene

Concen: 0.20 ng/ul

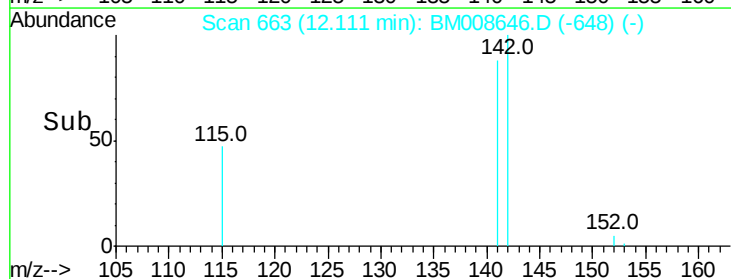
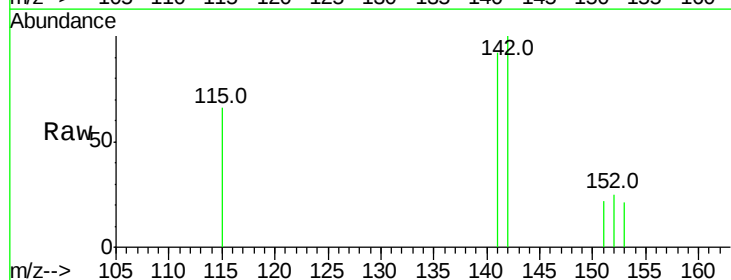
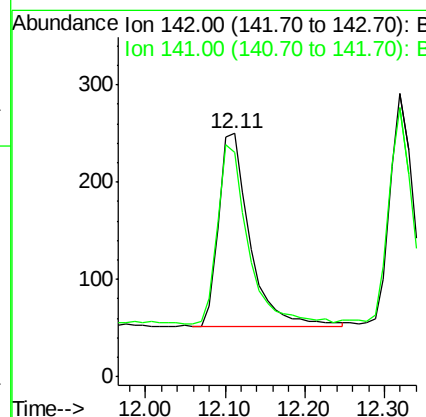
RT: 12.11 min Scan# 663

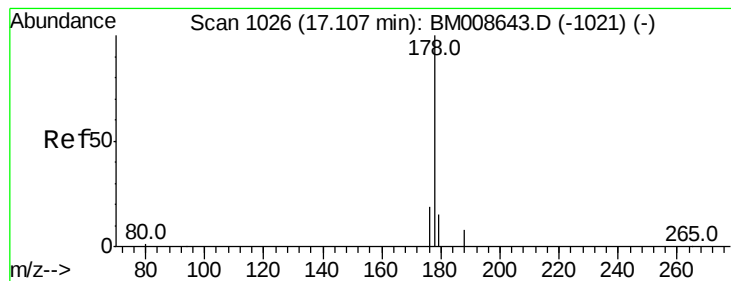
Delta R.T. -0.04 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 548   |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.6  | 72.6  | 108.8 |





#12

Phenanthrene

Concen: 0.22 ng/ul m

RT: 17.07 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

Instrument :

BNA\_M

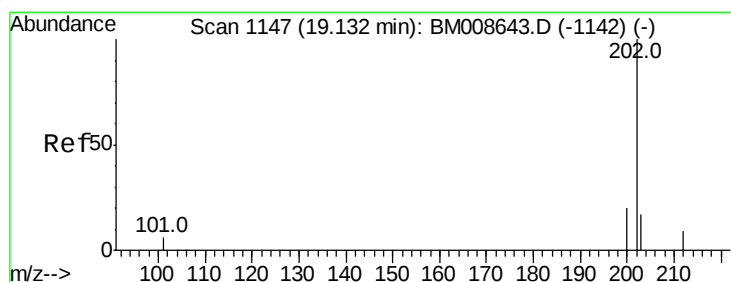
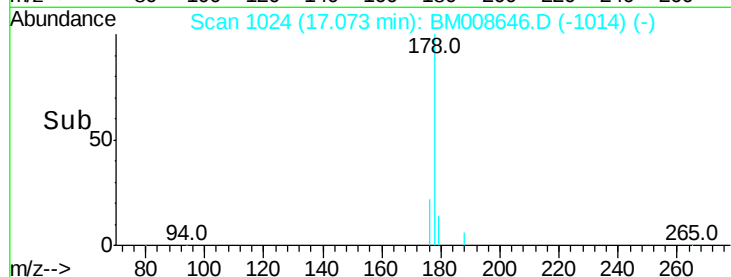
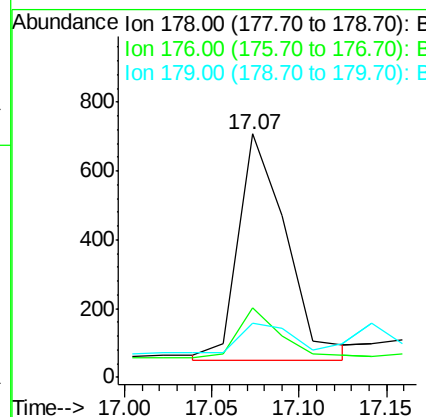
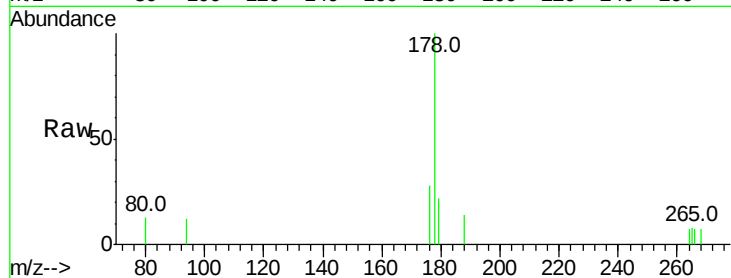
ClientSampleId :

DA7J2DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 1264  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 28.4  | 18.4  | 27.6# |
| 179       | 22.5  | 13.6  | 20.4# |

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#15

Fluoranthene

Concen: 0.16 ng/ul

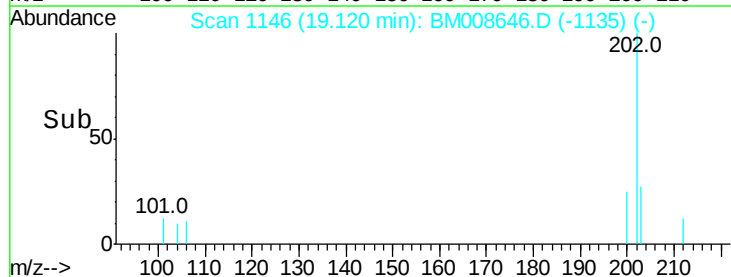
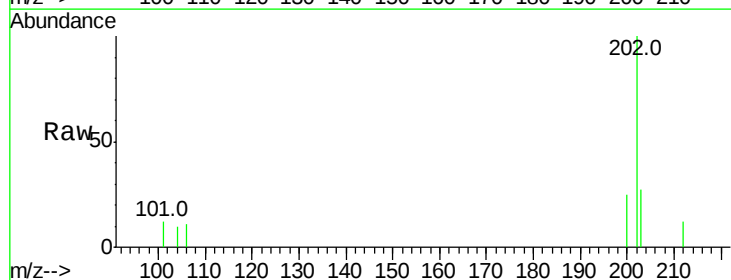
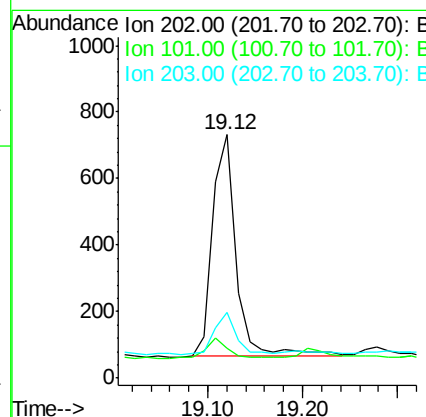
RT: 19.12 min Scan# 1146

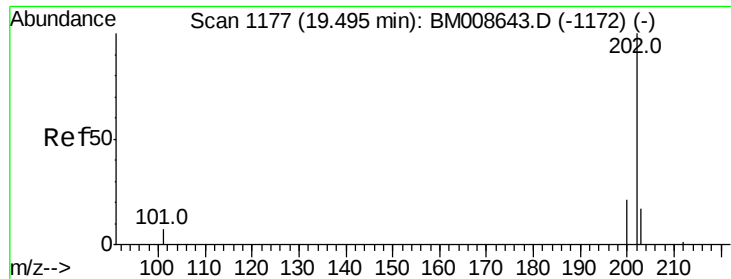
Delta R.T. -0.01 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 1152 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 12.3  | 0.0   | 30.3 |
| 203       | 26.8  | 0.0   | 39.5 |





#17

Pvrene

Concen: 0.19 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

Instrument :

BNA\_M

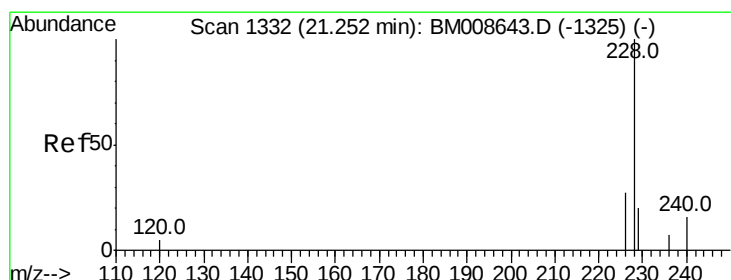
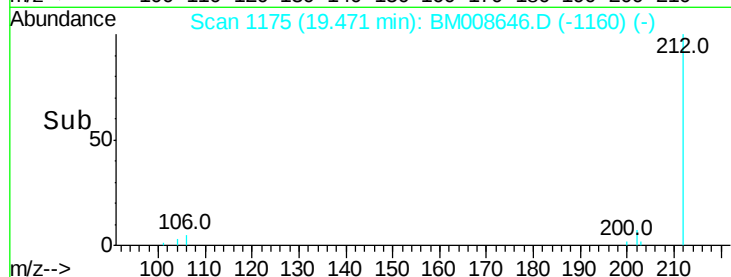
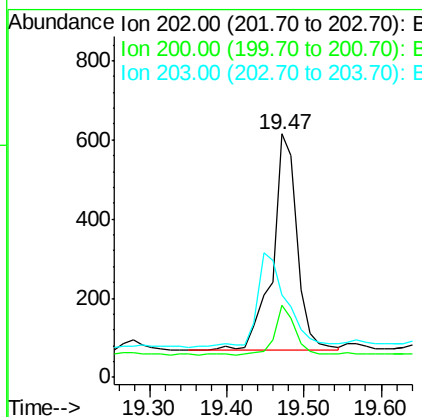
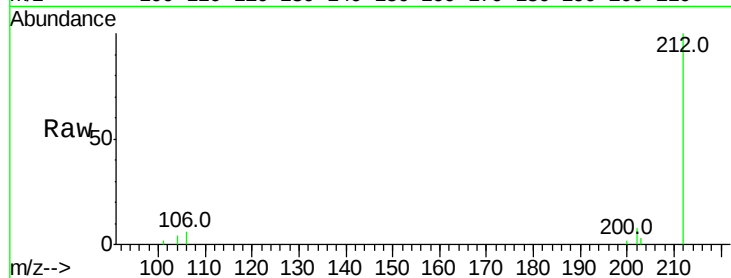
ClientSampleId :

DA7J2DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 1210  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 29.8  | 18.2  | 27.4# |
| 203       | 34.0  | 15.6  | 23.4# |

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#18

Benzo(a)anthracene

Concen: 0.10 ng/ul

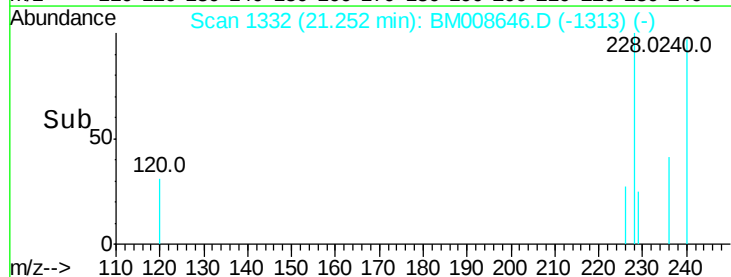
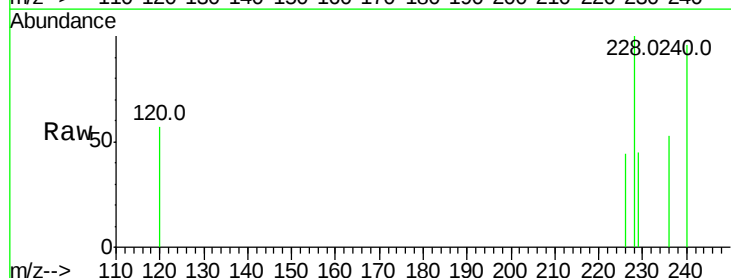
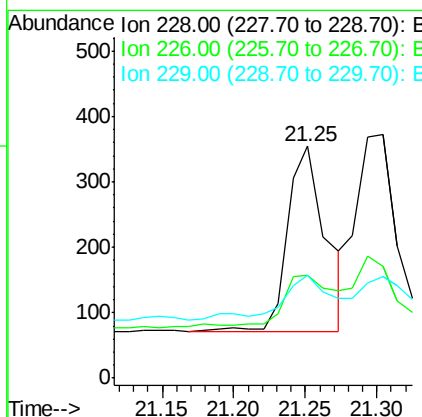
RT: 21.25 min Scan# 1332

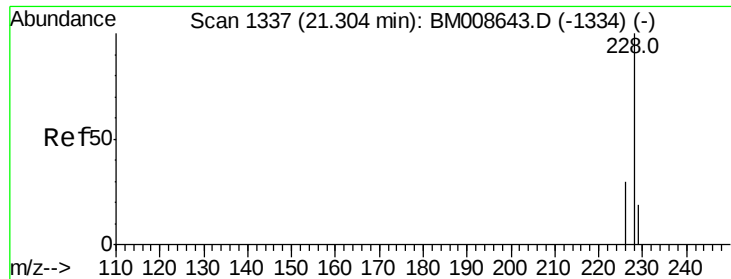
Delta R.T. 0.00 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 526   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 44.4  | 22.8  | 34.2# |
| 229       | 44.6  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

Instrument :

BNA\_M

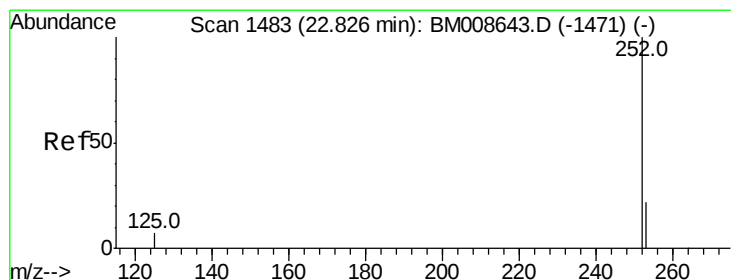
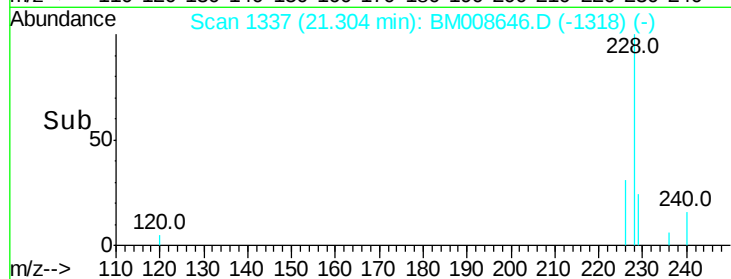
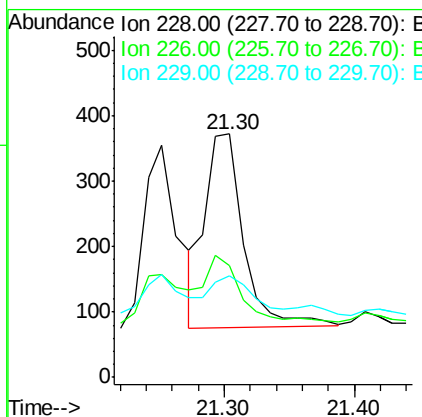
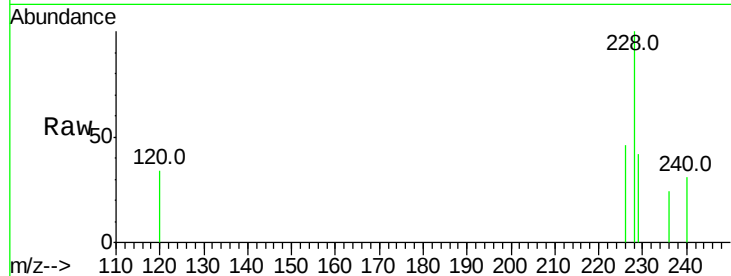
ClientSampled :

DA7J2DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 602   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 45.7  | 23.4  | 35.0# |
| 229       | 41.9  | 17.7  | 26.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.17 ng/ul m

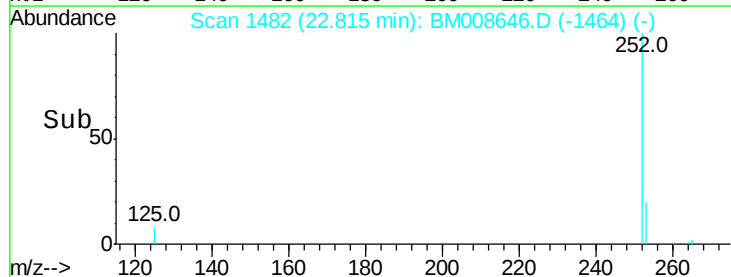
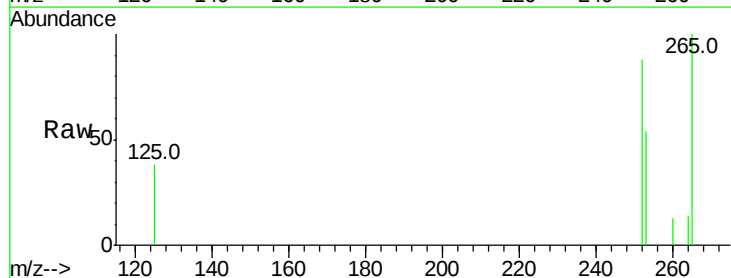
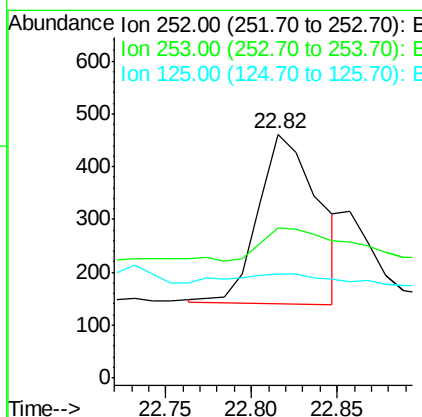
RT: 22.82 min Scan# 1482

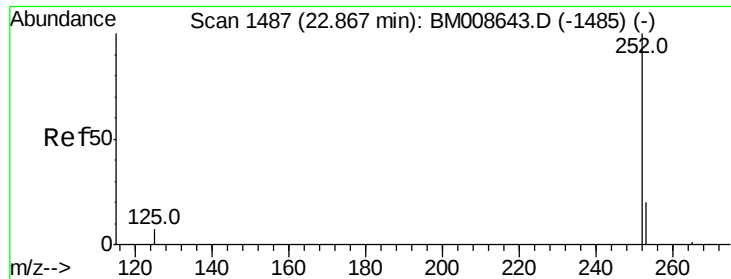
Delta R.T. -0.01 min

Lab File: BM008646.D

Acq: 24 Dec 2016 23:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 781   |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 61.8  | 0.0   | 64.2  |
| 125       | 43.0  | 0.0   | 35.0# |





#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul m

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008646.D

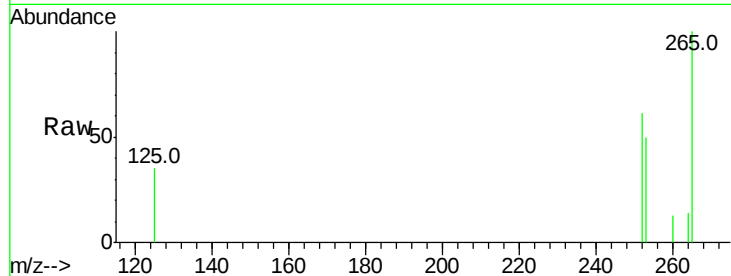
Acq: 24 Dec 2016 23:33

Instrument :

BNA\_M

ClientSampled :

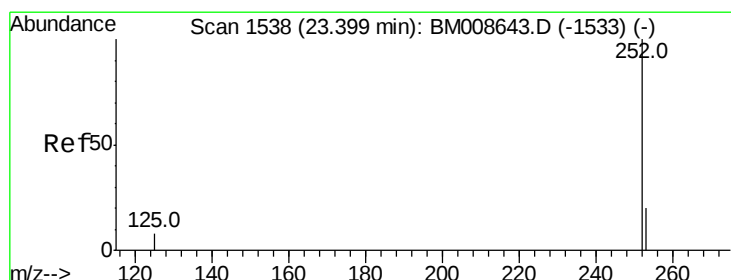
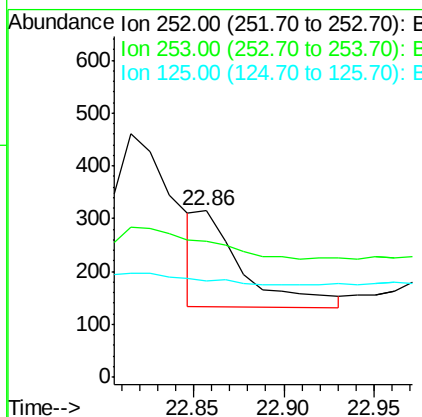
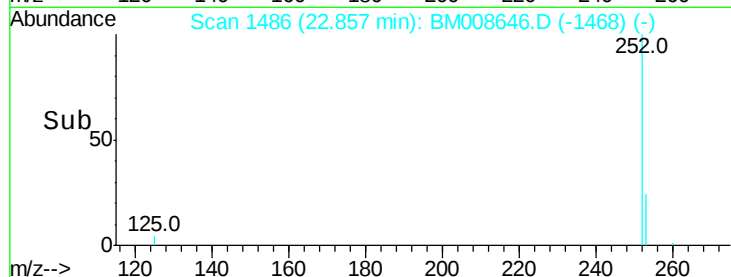
DA7J2DL



| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 81.9  | 24.5  | 36.7# |
| 125     | 58.1  | 13.7  | 20.5# |

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#23

Benzo(a)pyrene

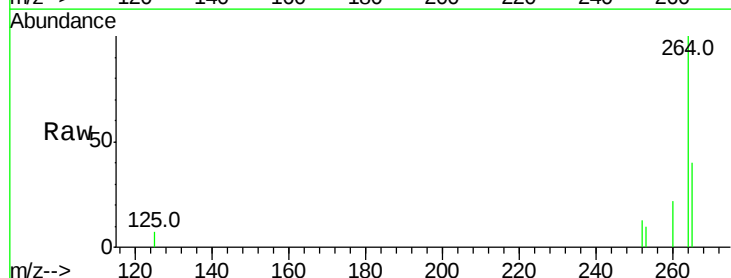
Concen: 0.09 ng/ul m

RT: 23.38 min Scan# 1536

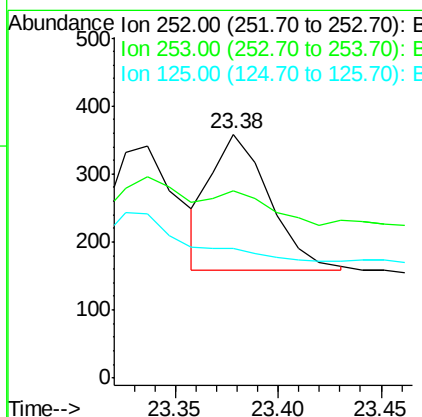
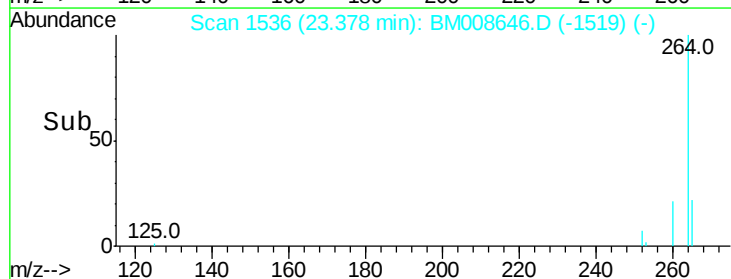
Delta R.T. -0.02 min

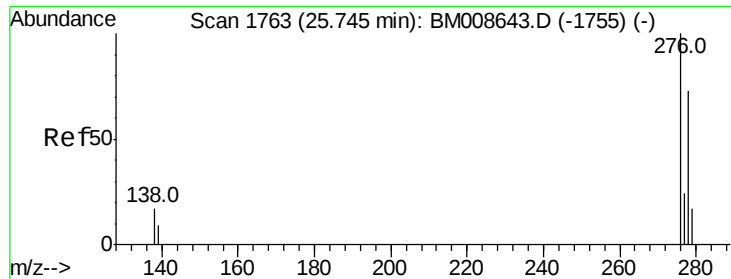
Lab File: BM008646.D

Acq: 24 Dec 2016 23:33



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 76.8  | 28.5  | 42.7# |
| 125     | 53.4  | 18.1  | 27.1# |





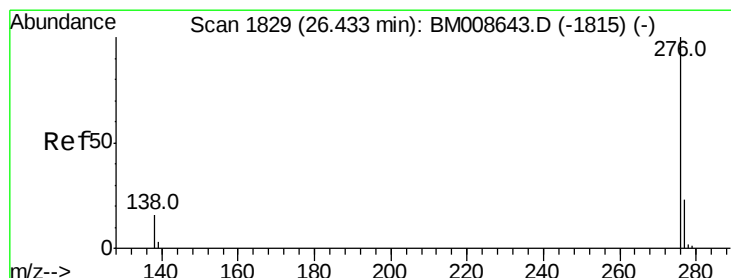
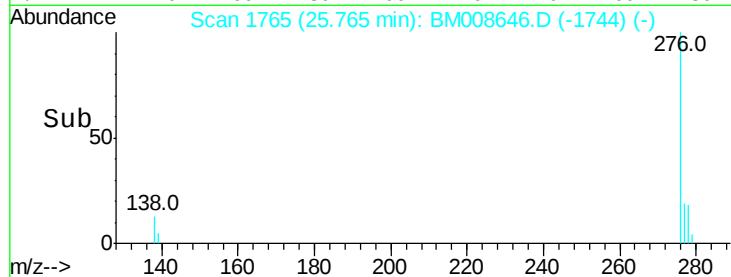
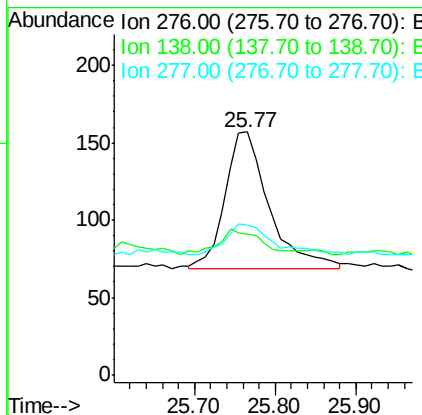
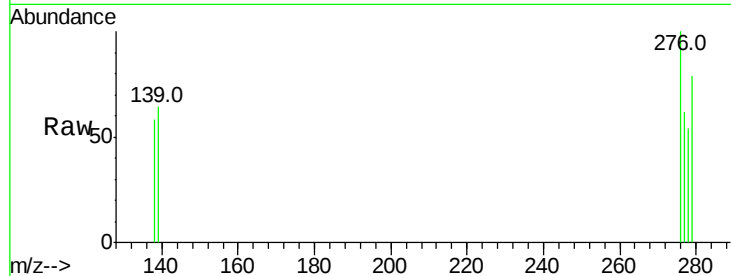
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.07 ng/ul m  
 RT: 25.77 min Scan# 1765  
 Delta R.T. 0.02 min  
 Lab File: BM008646.D  
 Acq: 24 Dec 2016 23:33

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA7J2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 19.1  | 28.7# |
| 277     | 159.3 | 19.6  | 29.4# |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.07 ng/ul m  
 RT: 26.44 min Scan# 1830  
 Delta R.T. 0.01 min  
 Lab File: BM008646.D  
 Acq: 24 Dec 2016 23:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 63.9  | 21.8  | 32.8# |
| 138     | 63.9  | 20.5  | 30.7# |

