

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\  
 Data File : BM008241.D  
 Acq On : 10 Dec 2016 20:29  
 Operator : UM/SJ  
 Sample : H5905-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA807

Manual Integrations  
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Quant Time: Dec 12 11:19:41 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 12 03:51:49 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 752      | 0.40 | ng/ul | -0.02    |
| 2) Naphthalene-d8         | 10.46 | 136  | 2435     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.31 | 164  | 1825     | 0.40 | ng/ul | -0.02    |
| 10) Phenanthrene-d10      | 17.07 | 188  | 2041m    | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.28 | 240  | 2595     | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.51 | 264  | 2150     | 0.40 | ng/ul | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.05 | 152  | 866      | 0.25 | ng/ul | -0.03    |
| 14) Fluoranthene-d10        | 19.11 | 212  | 1686m    | 0.29 | ng/ul | -0.01    |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.51 | 128  | 39357    | 5.78 | ng/ul# | 94     |
| 5) 2-Methylnaphthalene     | 12.12 | 142  | 40072    | 9.13 | ng/ul  | 98     |
| 8) Acenaphthene            | 14.38 | 153  | 3827     | 0.61 | ng/ul  | 96     |
| 9) Fluorene                | 15.38 | 166  | 8919     | 1.23 | ng/ul# | 82     |
| 12) Phenanthrene           | 17.11 | 178  | 36660    | 5.77 | ng/ul  | 98     |
| 13) Anthracene             | 17.19 | 178  | 3123m    | 0.52 | ng/ul  |        |
| 15) Fluoranthene           | 19.14 | 202  | 11980    | 1.46 | ng/ul  | 80     |
| 17) Pyrene                 | 19.50 | 202  | 19531    | 2.17 | ng/ul# | 92     |
| 18) Benzo(a)anthracene     | 21.26 | 228  | 6319     | 0.79 | ng/ul# | 48     |
| 19) Chrysene               | 21.31 | 228  | 6473     | 0.65 | ng/ul# | 58     |
| 23) Benzo(a)pyrene         | 23.41 | 252  | 4294     | 0.53 | ng/ul# | 65     |
| 24) Indeno(1,2,3-cd)pyrene | 25.76 | 276  | 1450     | 0.15 | ng/ul# | 88     |
| 26) Benzo(g,h,i)perylene   | 26.45 | 276  | 1971     | 0.22 | ng/ul# | 62     |

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

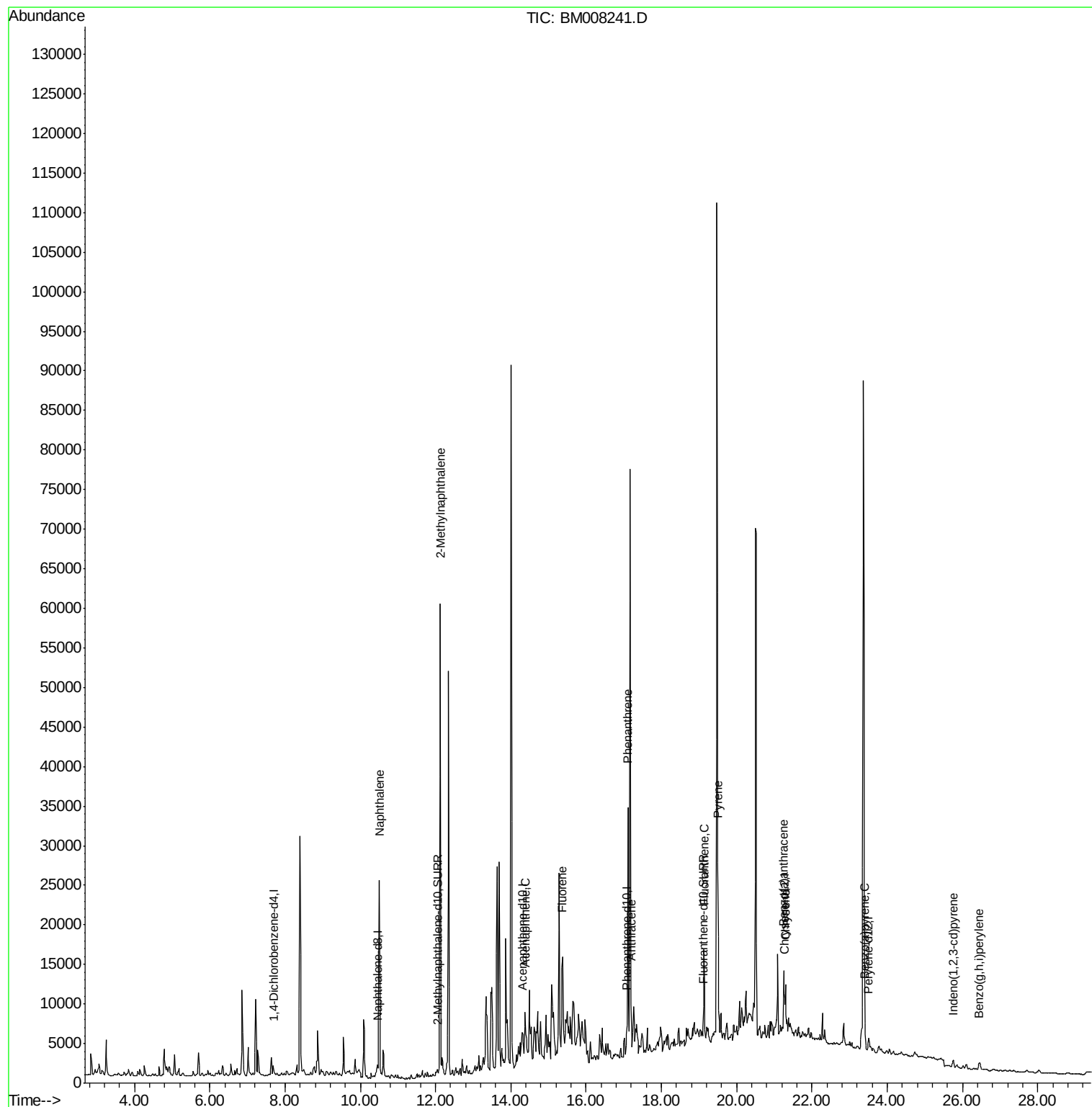
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\  
Data File : BM008241.D  
Acq On : 10 Dec 2016 20:29  
Operator : UM/SJ  
Sample : H5905-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

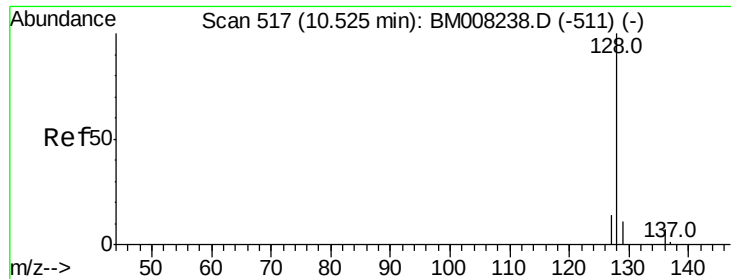
Instrument :  
BNA\_M  
ClientSampleId :  
DA807

Quant Time: Dec 12 11:19:41 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 12 03:51:49 2016  
Response via : Initial Calibration

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#3

Naphthalene

Concen: 5.78 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

Instrument :

BNA\_M

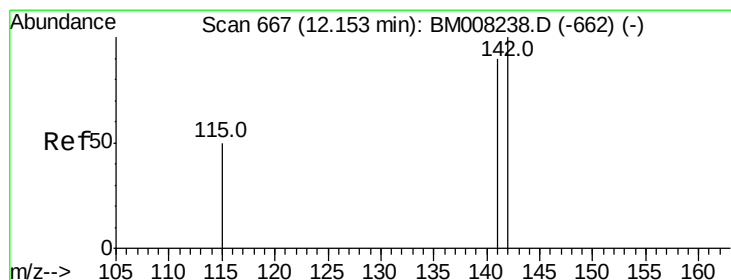
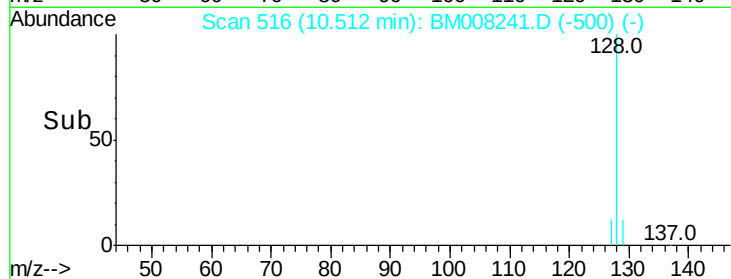
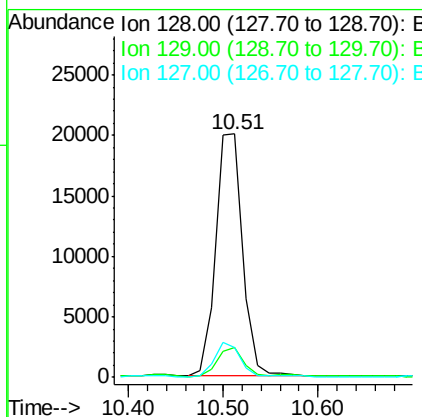
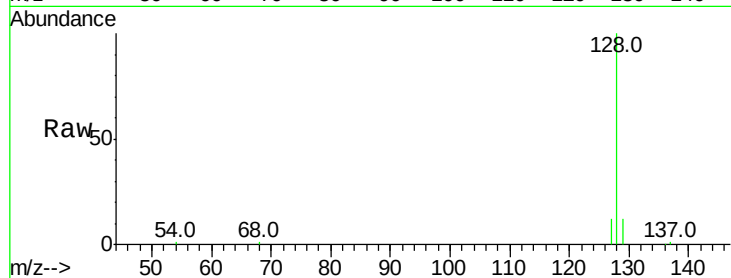
ClientSampleId :

DA807

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 39357 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.4  | 11.3  | 16.9  |
| 127       | 12.5  | 12.8  | 19.2# |

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#5

2-Methylnaphthalene

Concen: 9.13 ng/ul

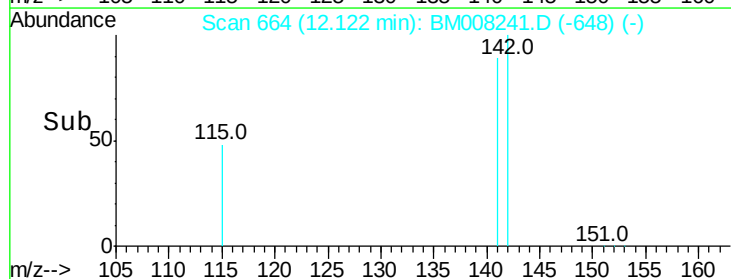
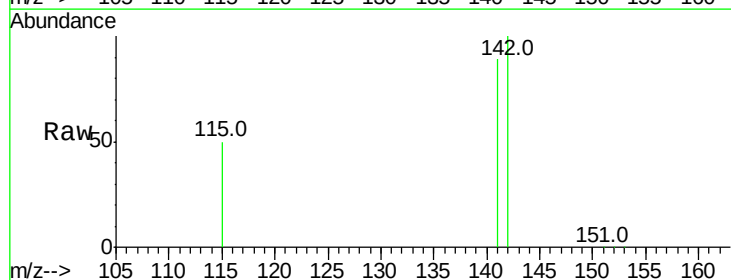
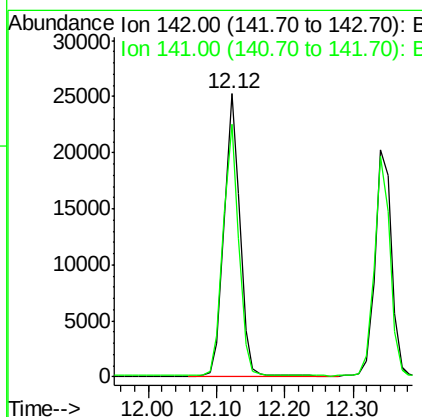
RT: 12.12 min Scan# 664

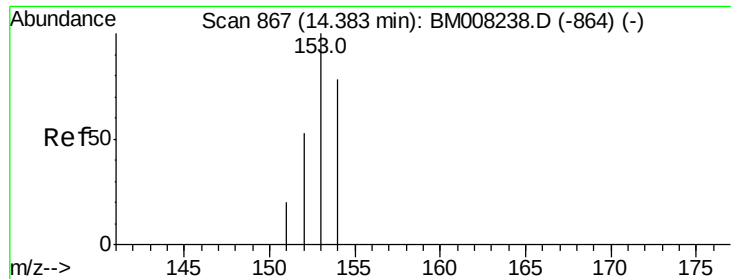
Delta R.T. -0.03 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 40072 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.0  | 72.6  | 108.8 |





#8

Acenaphthene

Concen: 0.61 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

Instrument :

BNA\_M

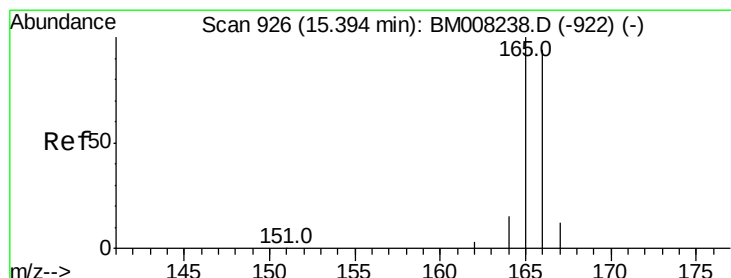
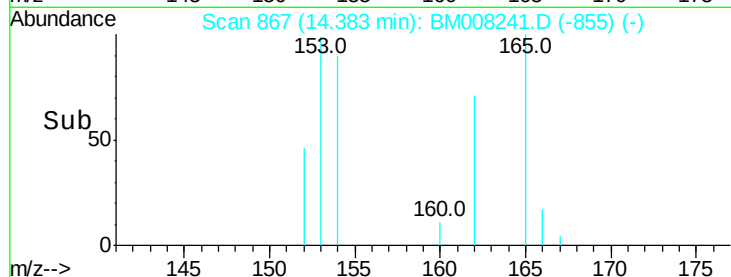
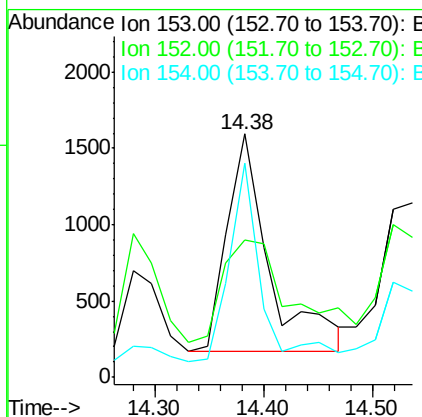
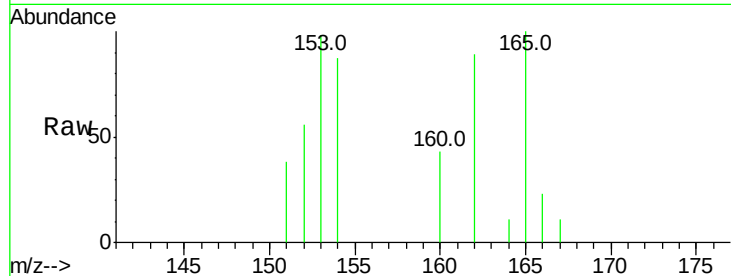
ClientSampleId :

DA807

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 153   | Resp: | 3827  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 56.7  | 40.3  | 60.5  |
| 154      | 88.0  | 71.4  | 107.2 |

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#9

Fluorene

Concen: 1.23 ng/ul

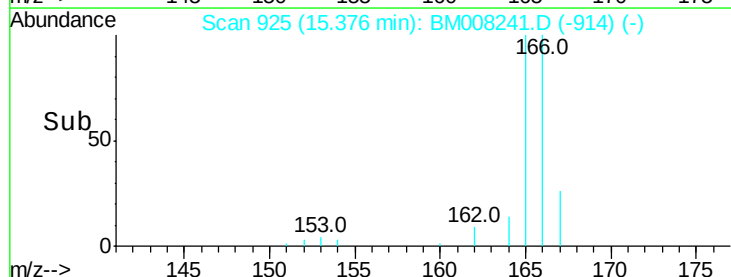
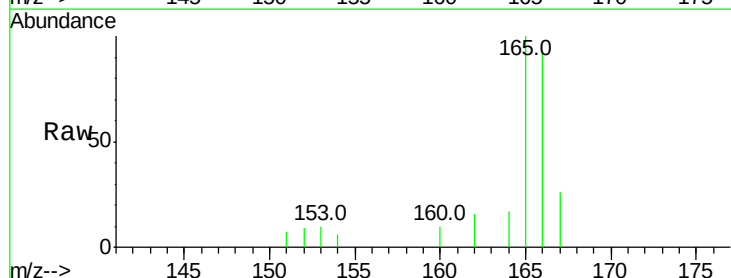
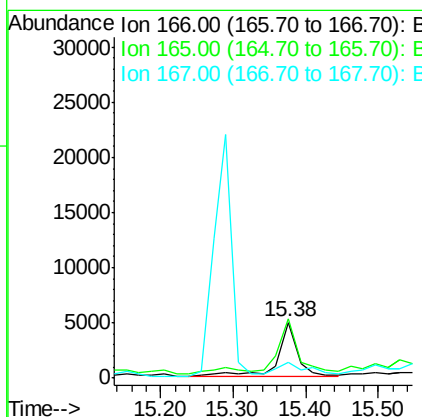
RT: 15.38 min Scan# 925

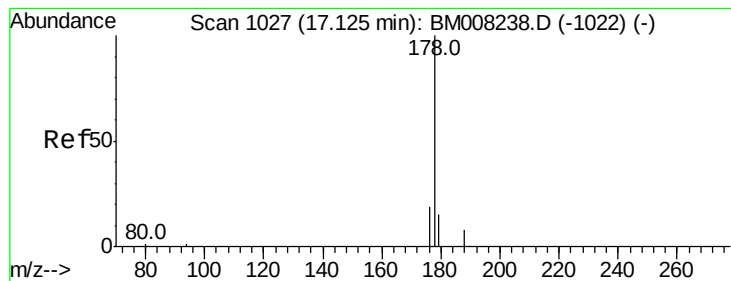
Delta R.T. -0.02 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 8919  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 108.0 | 73.4  | 110.2 |
| 167      | 27.6  | 14.6  | 22.0# |





#12

Phenanthrene

Concen: 5.77 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

Instrument :

BNA\_M

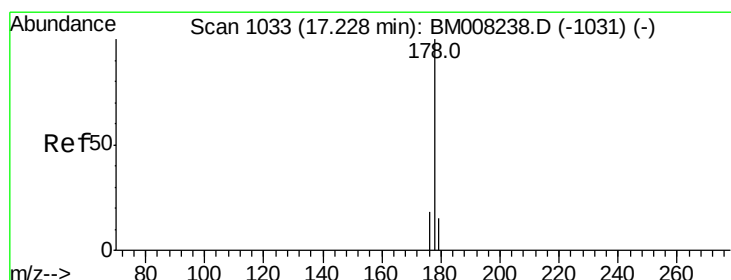
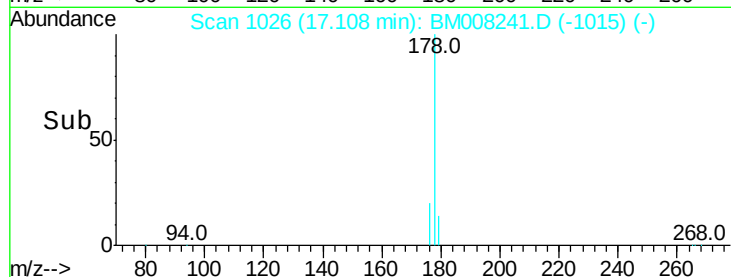
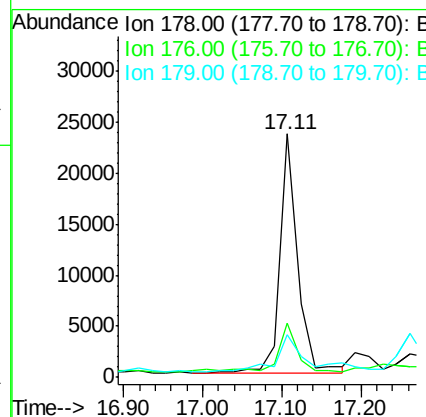
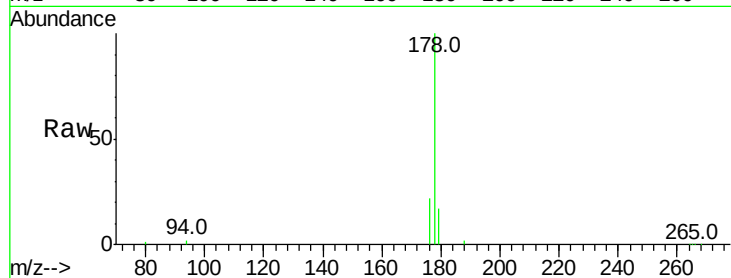
ClientSampleId :

DA807

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 36660     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 22.0  | 18.4 27.6 |
| 179         | 17.5  | 13.6 20.4 |

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#13

Anthracene

Concen: 0.52 ng/ul m

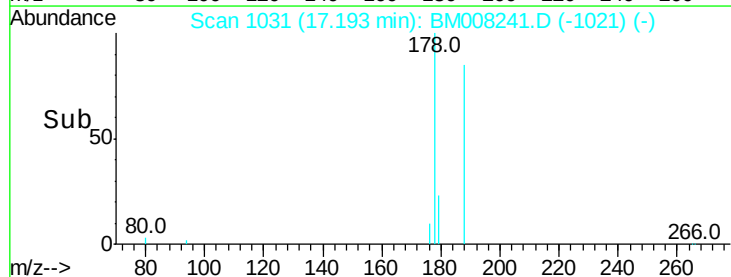
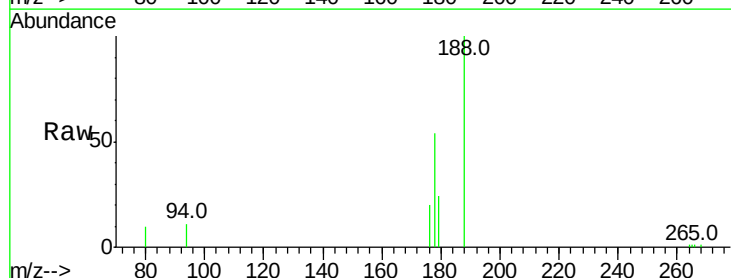
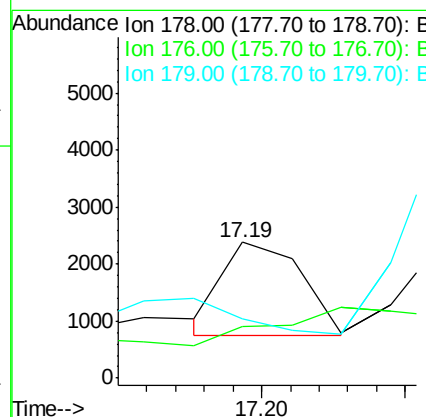
RT: 17.19 min Scan# 1031

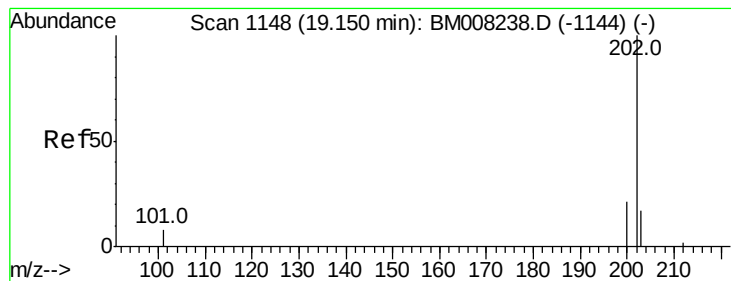
Delta R.T. -0.03 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:178 | Resp: | 3123       |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 37.6  | 18.1 27.1# |
| 179         | 43.7  | 14.7 22.1# |





#15

Fluoranthene

Concen: 1.46 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

Instrument :

BNA\_M

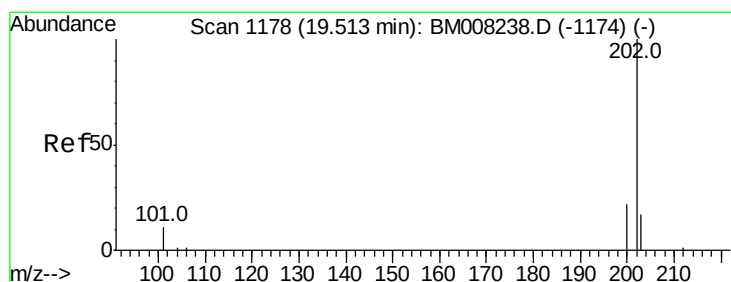
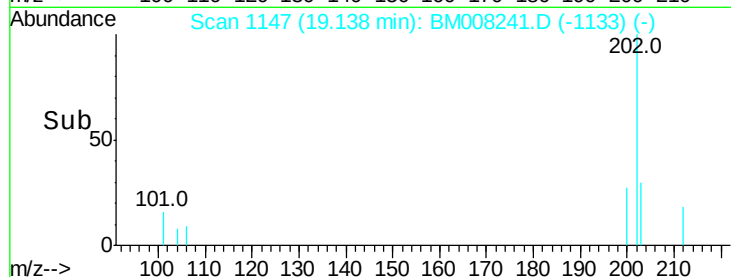
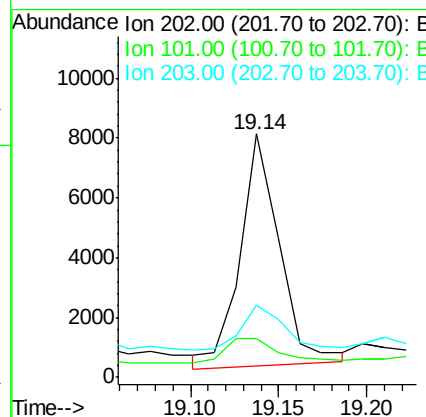
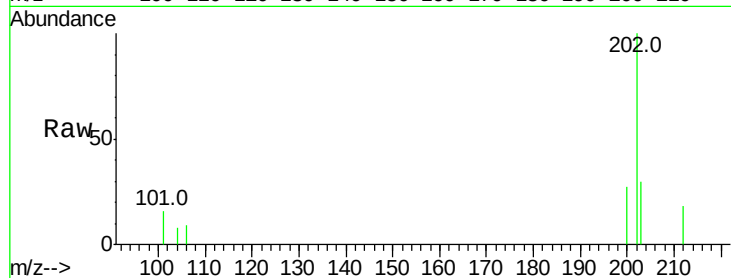
ClientSampleId :

DA807

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 202     | 100  |       | 11980 |       |       |
| 101     | 16.2 | 0.0   | 30.3  |       |       |
| 203     | 29.8 | 0.0   | 39.5  |       |       |

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#17

Pyrene

Concen: 2.17 ng/ul

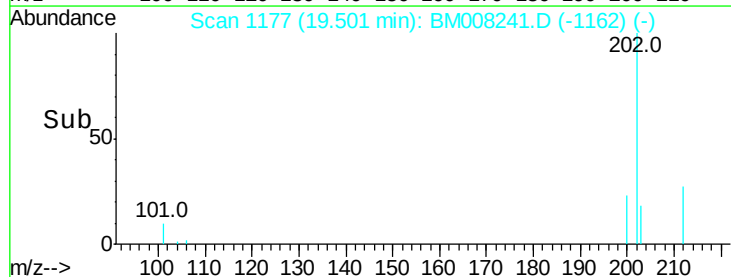
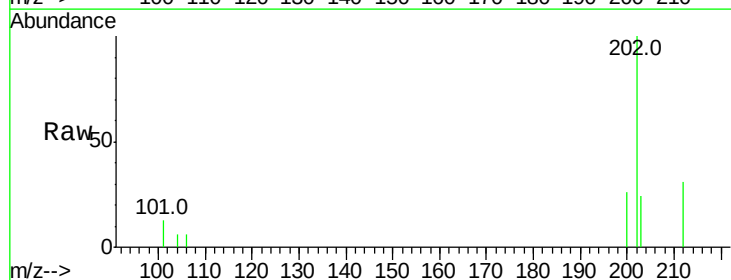
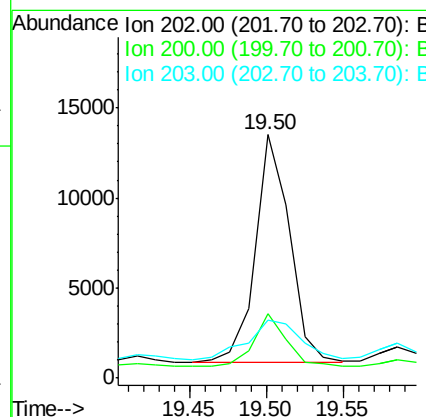
RT: 19.50 min Scan# 1177

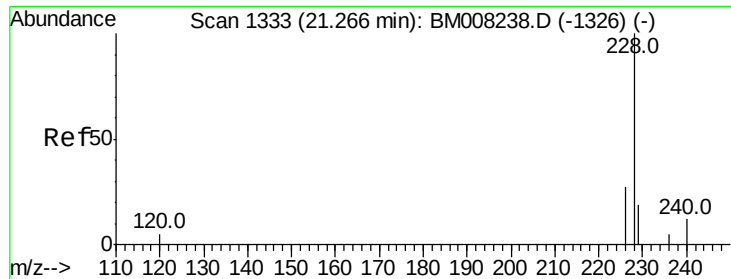
Delta R.T. -0.01 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 202     | 100  |       | 19531 |       |       |
| 200     | 26.5 | 18.2  | 27.4  |       |       |
| 203     | 23.6 | 15.6  | 23.4# |       |       |





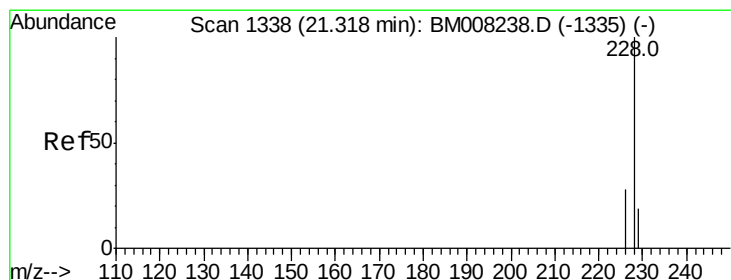
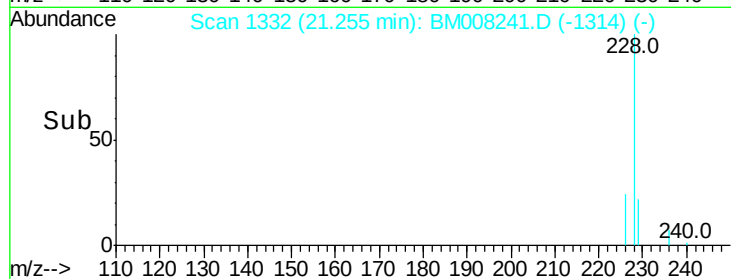
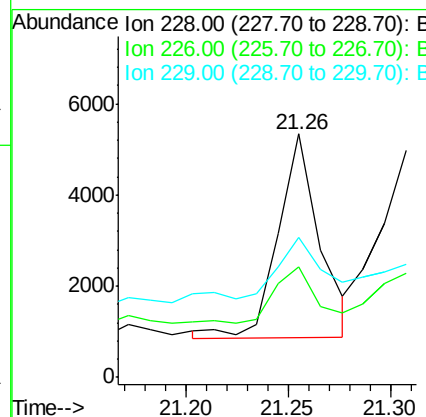
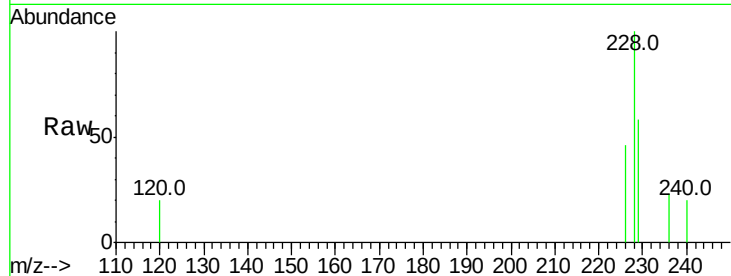
#18  
Benzo(a)anthracene  
Concen: 0.79 ng/ul  
RT: 21.26 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BM008241.D  
Acq: 10 Dec 2016 20:29

Instrument :  
BNA\_M  
ClientSampleId :  
DA807

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 45.6  | 22.8  | 34.2# |
| 229     | 57.7  | 17.0  | 25.6# |

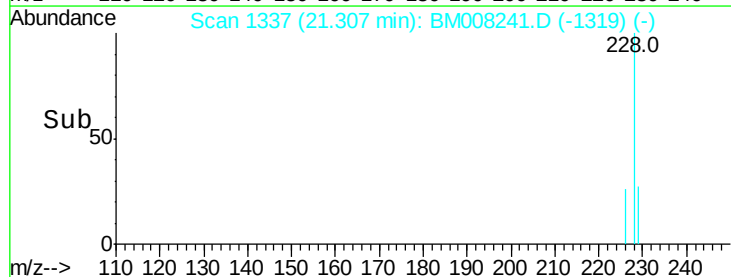
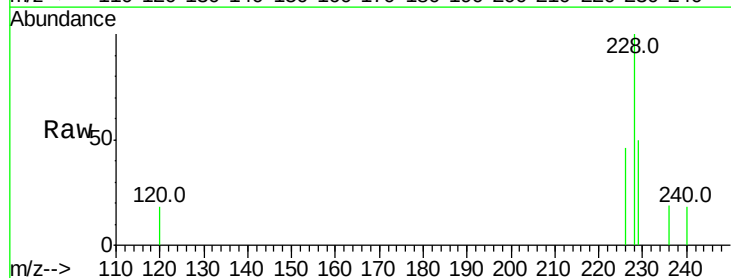
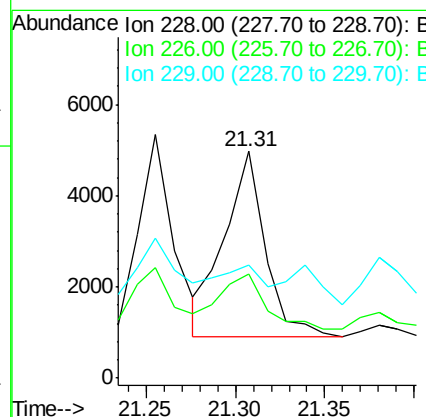
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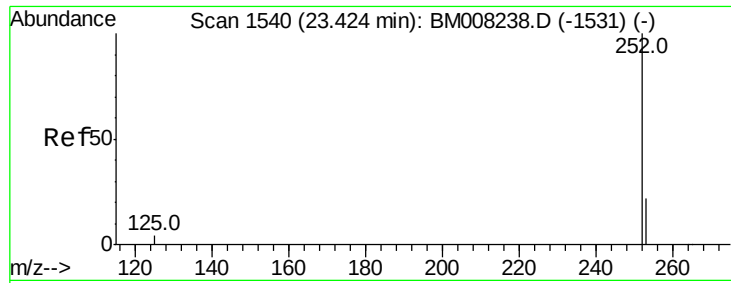
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#19  
Chrysene  
Concen: 0.65 ng/ul  
RT: 21.31 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BM008241.D  
Acq: 10 Dec 2016 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 45.7  | 23.4  | 35.0# |
| 229     | 49.7  | 17.7  | 26.5# |





#23

Benzo(a)pyrene

Concen: 0.53 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

Instrument :

BNA\_M

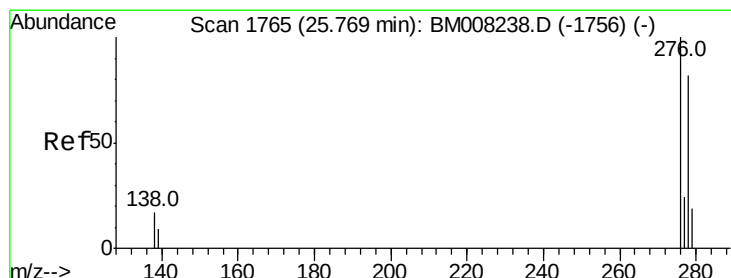
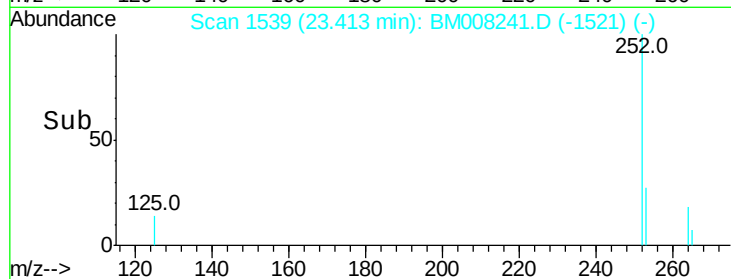
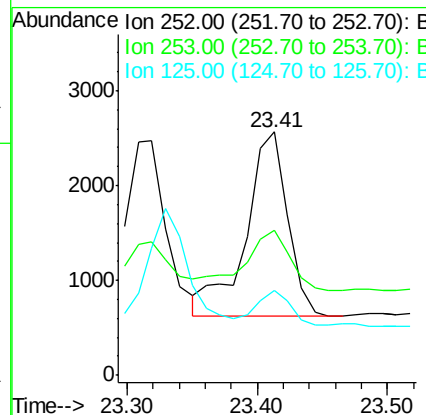
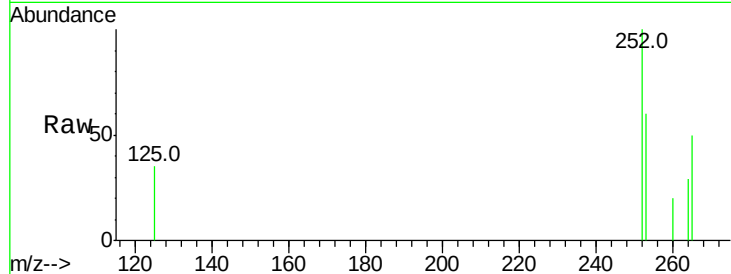
ClientSampleId :

DA807

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 4294  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 59.5  | 28.5  | 42.7# |
| 125       | 35.0  | 18.1  | 27.1# |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.15 ng/ul

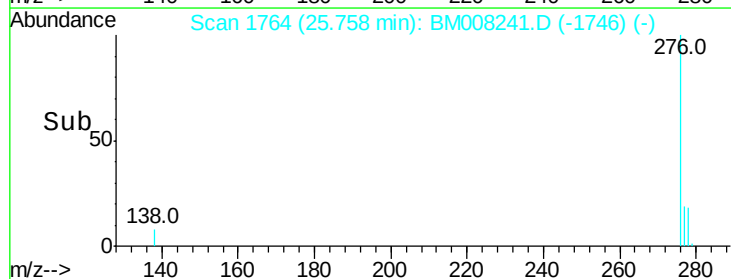
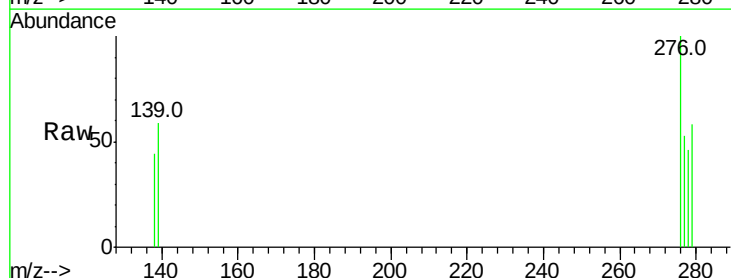
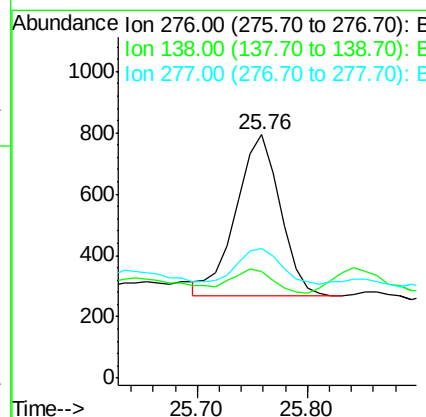
RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

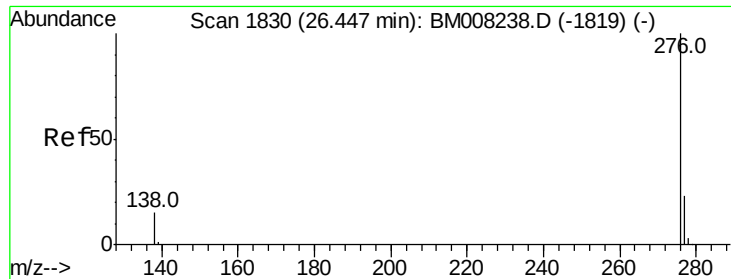
Lab File: BM008241.D

Acq: 10 Dec 2016 20:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 1450  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 13.6  | 19.1  | 28.7# |
| 277       | 22.9  | 19.6  | 29.4  |







#26

Benzo(a,h,i)perylene

Concen: 0.22 ng/ul

RT: 26.45 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BM008241.D

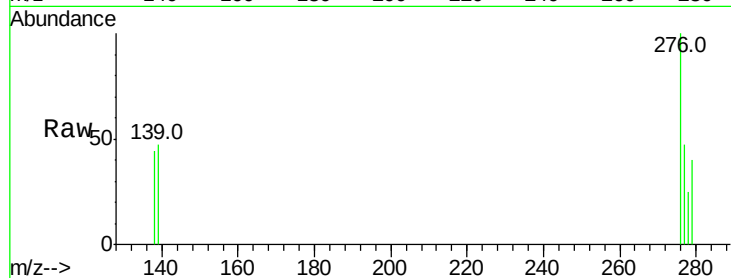
Acq: 10 Dec 2016 20:29

Instrument :

BNA\_M

ClientSampleId :

DA807



Tot Ion: 276 Resp: 1971

Ion Ratio Lower Upper

276 100

277 47.1 21.8 32.8#

138 44.5 20.5 30.7#

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