

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122716\  
 Data File : BM008676.D  
 Acq On : 27 Dec 2016 16:39  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

Sohil  
 12/30/2016 8:45:53 AM

Quant Time: Dec 29 12:50:51 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 12:05:37 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 420m     | 0.40  | ng/ul  | -0.20    |
| 2) Naphthalene-d8           | 10.40 | 136  | 3873m    | 0.40  | ng/ul  | -0.17    |
| 6) Acenaphthene-d10         | 14.33 | 164  | 8167m    | 0.40  | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.00 | 188  | 157807m  | 0.40  | ng/ul  | -0.12    |
| 16) Chrysene-d12            | 21.26 | 240  | 8805m    | 0.40  | ng/ul  | -0.03    |
| 20) Perylene-d12            | 23.52 | 264  | 2179     | 0.40  | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152  | 1660m    | 0.28  | ng/ul  | -0.17    |
| 14) Fluoranthene-d10        | 19.10 | 212  | 68939m   | 0.16  | ng/ul  | -0.05    |
| Target Compounds            |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 10.45 | 128  | 166308m  | 15.26 | ng/ul  |          |
| 5) 2-Methylnaphthalene      | 12.08 | 142  | 316430m  | 43.15 | ng/ul  |          |
| 7) Acenaphthylene           | 14.01 | 152  | 24737    | 0.67  | ng/ul# | 61       |
| 8) Acenaphthene             | 14.35 | 153  | 41500    | 1.49  | ng/ul  | 97       |
| 9) Fluorene                 | 15.34 | 166  | 170788m  | 5.38  | ng/ul  |          |
| 12) Phenanthrene            | 17.09 | 178  | 155948m  | 0.32  | ng/ul  |          |
| 15) Fluoranthene            | 19.13 | 202  | 54089    | 0.09  | ng/ul  | 73       |
| 17) Pyrene                  | 19.50 | 202  | 86302m   | 2.54  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.42 | 252  | 10010    | 1.26  | ng/ul# | 30       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.78 | 276  | 3977     | 0.42  | ng/ul# | 82       |
| 26) Benzo(g,h,i)perylene    | 26.46 | 276  | 3858     | 0.47  | ng/ul# | 31       |

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

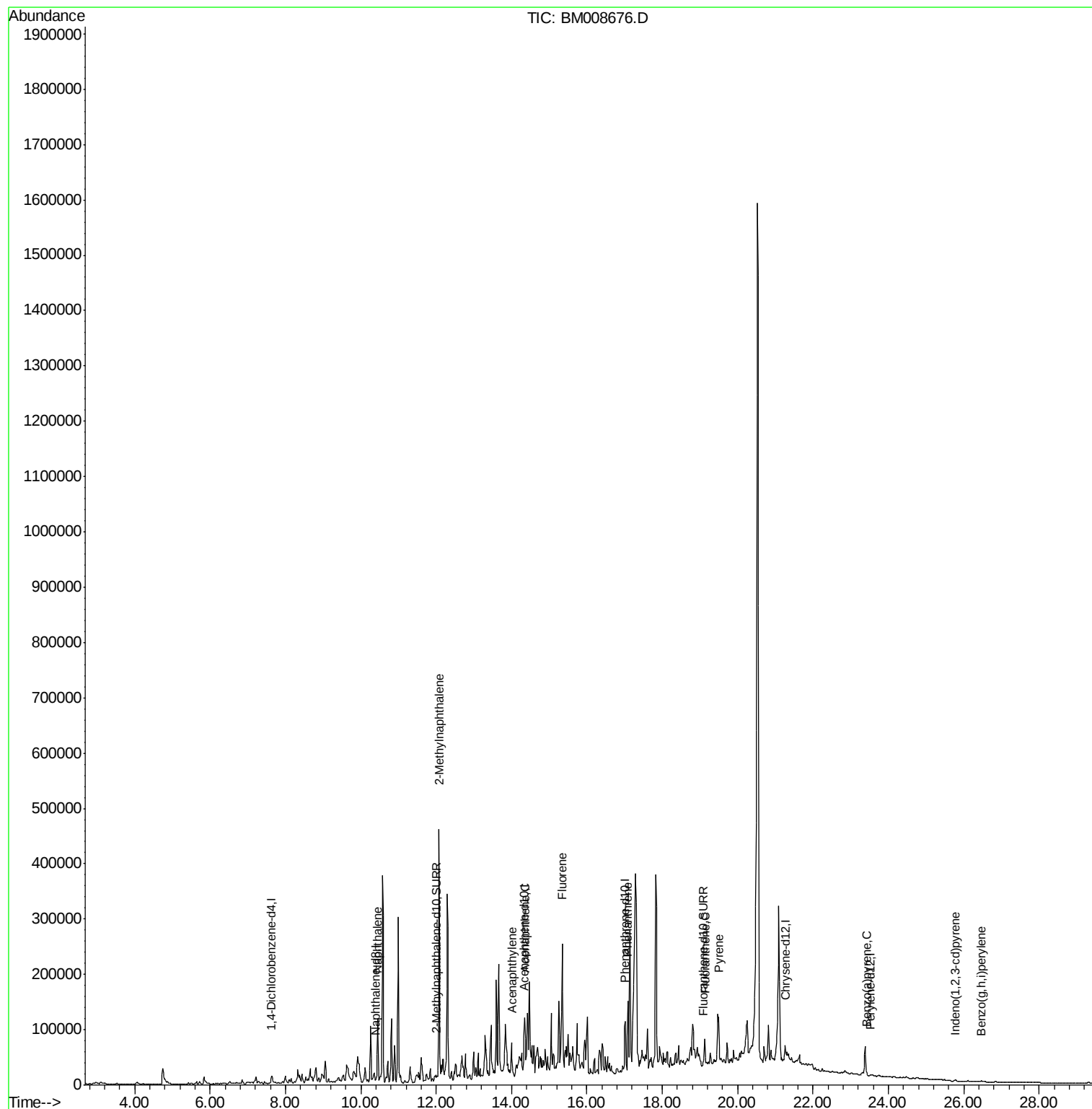
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122716\  
Data File : BM008676.D  
Acq On : 27 Dec 2016 16:39  
Operator : UM/SJ  
Sample : H5995-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

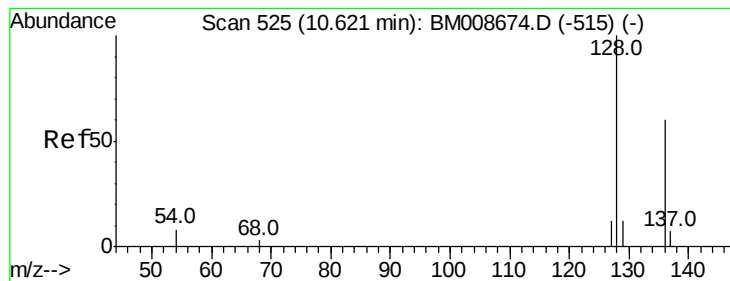
Instrument :  
BNA\_M  
ClientSampleId :  
DA864

Manual Integrations  
APPROVED

Sohil  
12/30/2016 8:45:53 AM

Quant Time: Dec 29 12:50:51 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 12:05:37 2016  
Response via : Initial Calibration





#3

Naphthalene

Concen: 15.26 ng/ul m

RT: 10.45 min Scan# 511

Delta R.T. -0.17 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA\_M

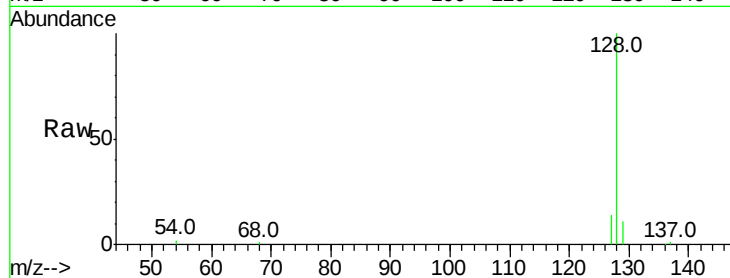
ClientSampleId :

DA864

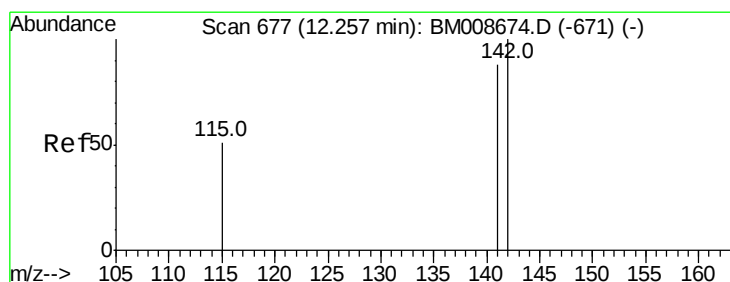
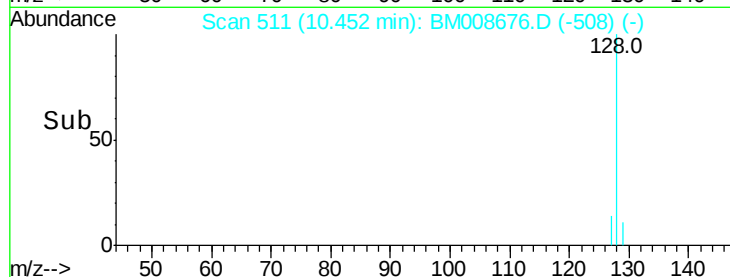
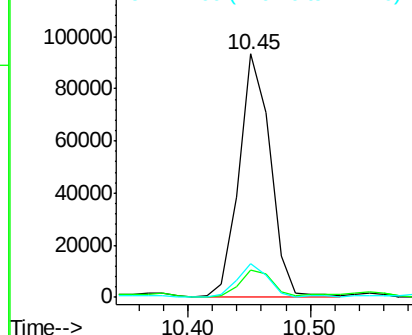
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 166308 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.4  | 11.3  | 16.9   |
| 127       | 14.0  | 12.8  | 19.2   |

Manual Integrations  
APPROVED

Sohil  
12/30/2016 8:45:53 AM



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: 43.15 ng/ul m

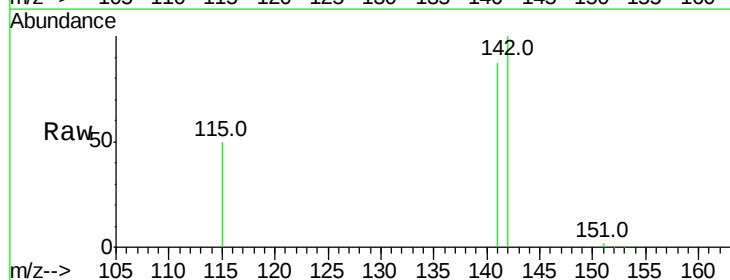
RT: 12.08 min Scan# 660

Delta R.T. -0.18 min

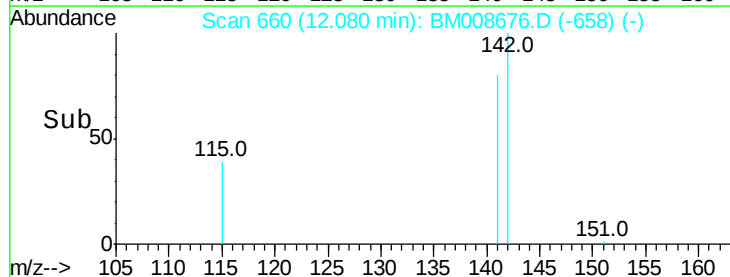
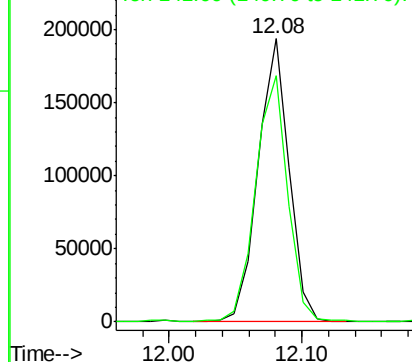
Lab File: BM008676.D

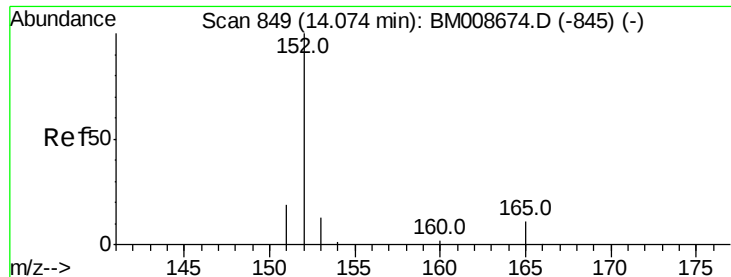
Acq: 27 Dec 2016 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 316430 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 68.0  | 72.6  | 108.8# |



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





#7

Acenaphthylene

Concen: 0.67 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.07 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA\_M

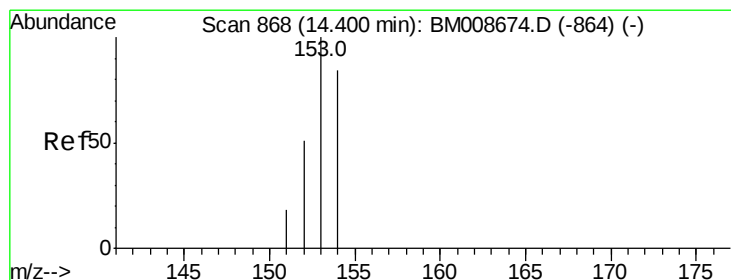
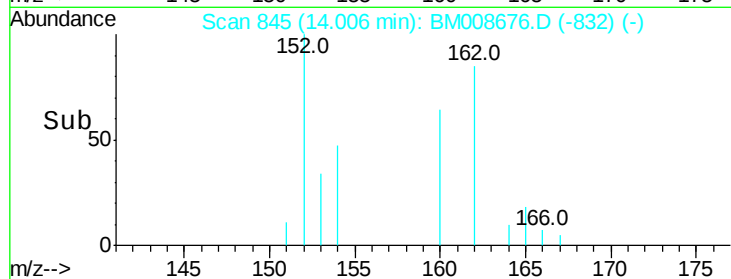
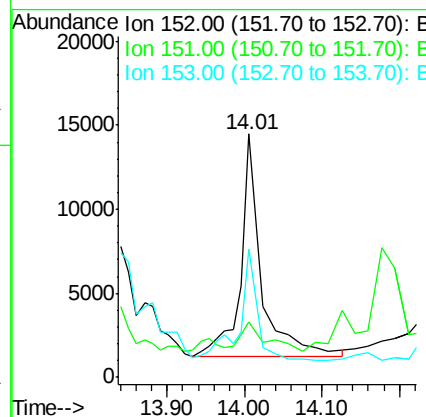
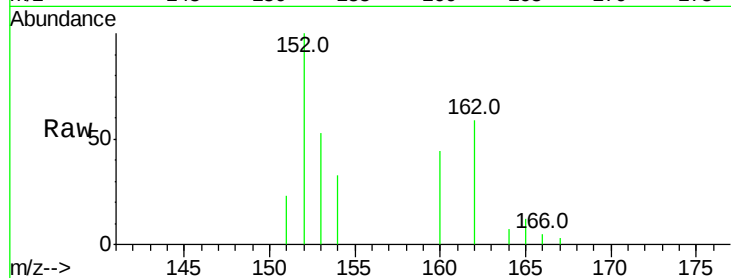
ClientSampleId :

DA864

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 24737 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 23.0  | 17.1  | 25.7  |
| 153       | 52.8  | 12.8  | 19.2# |

Manual Integrations  
APPROVED

Sohil  
12/30/2016 8:45:53 AM



#8

Acenaphthene

Concen: 1.49 ng/ul

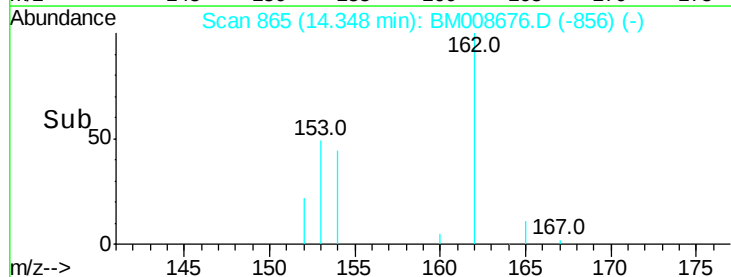
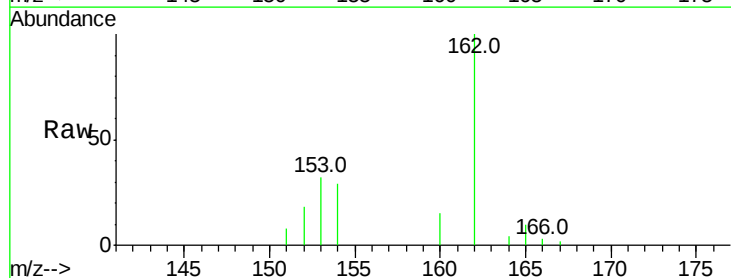
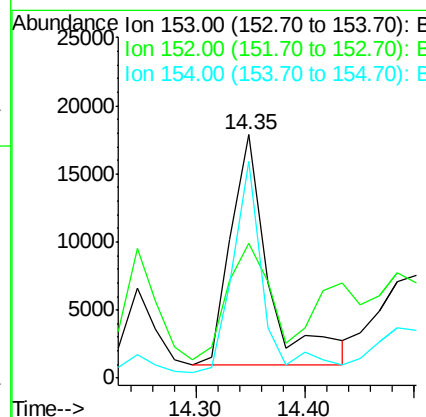
RT: 14.35 min Scan# 865

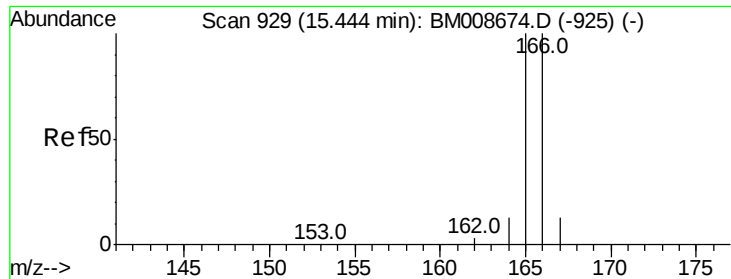
Delta R.T. -0.05 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 41500 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 55.2  | 40.3  | 60.5  |
| 154       | 88.8  | 71.4  | 107.2 |





#9

Fluorene

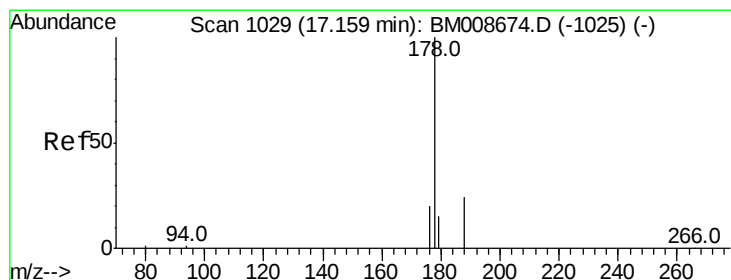
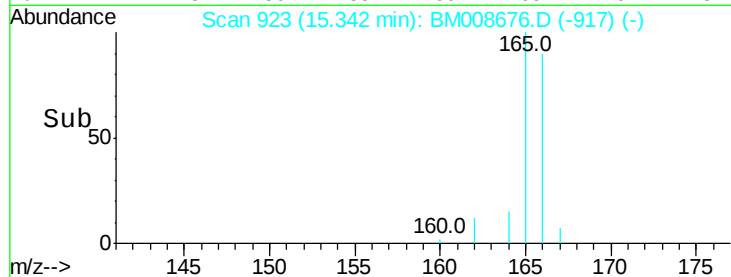
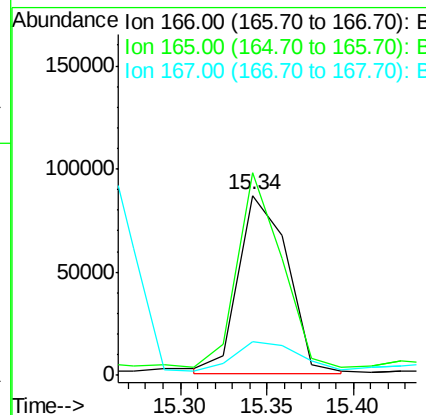
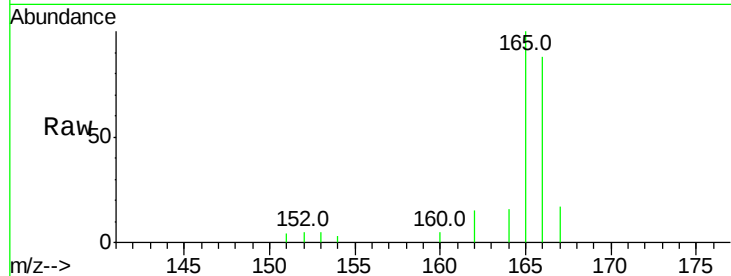
Concen: 5.38 ng/ul m  
RT: 15.34 min Scan# 923  
Delta R.T. -0.10 min  
Lab File: BM008676.D  
Acq: 27 Dec 2016 16:39

Instrument :  
BNA\_M  
ClientSampleId :  
DA864

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 166     | 100   |       |        |
| 165     | 113.1 | 73.4  | 110.2# |
| 167     | 19.1  | 14.6  | 22.0   |

Manual Integrations  
APPROVED

Sohil  
12/30/2016 8:45:53 AM

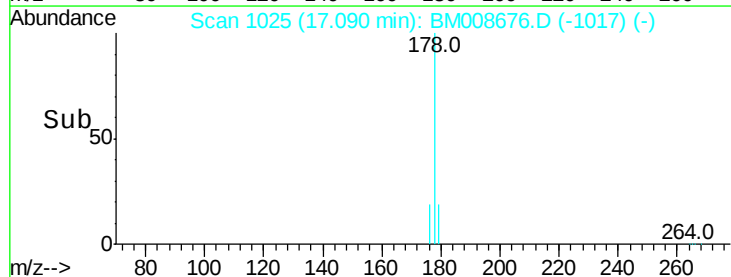
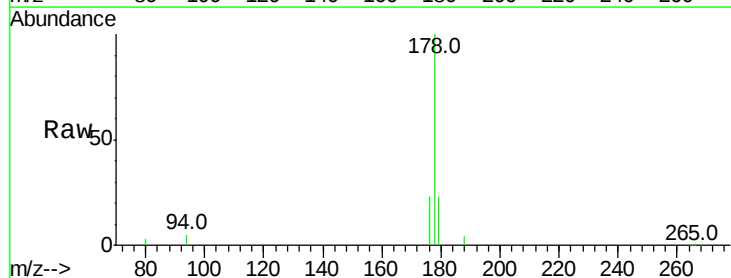
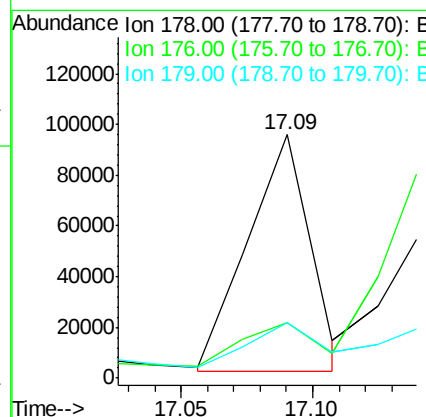


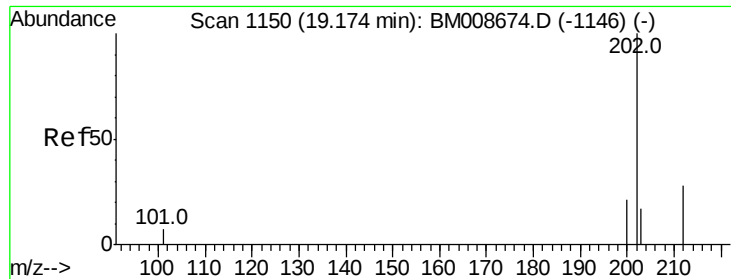
#12

Phenanthrene

Concen: 0.32 ng/ul m  
RT: 17.09 min Scan# 1025  
Delta R.T. -0.07 min  
Lab File: BM008676.D  
Acq: 27 Dec 2016 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 22.9  | 18.4  | 27.6  |
| 179     | 22.8  | 13.6  | 20.4# |





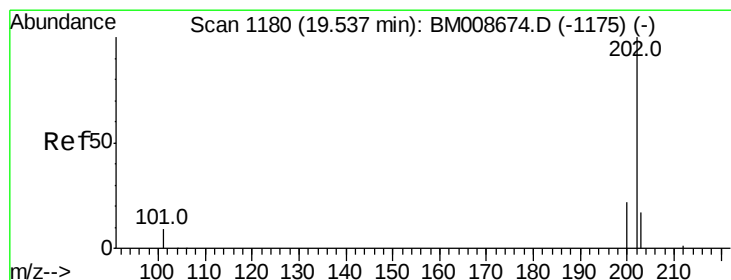
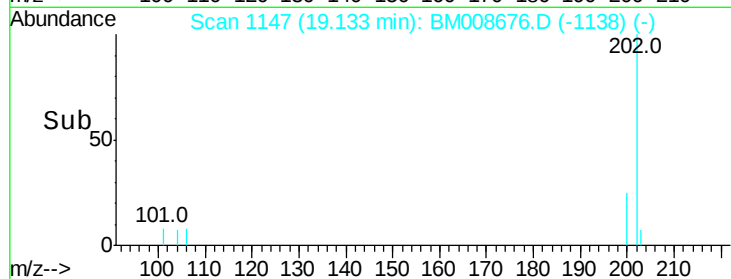
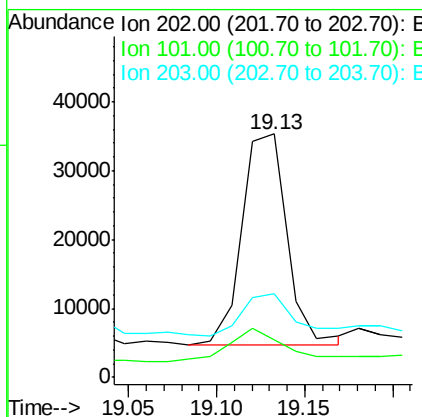
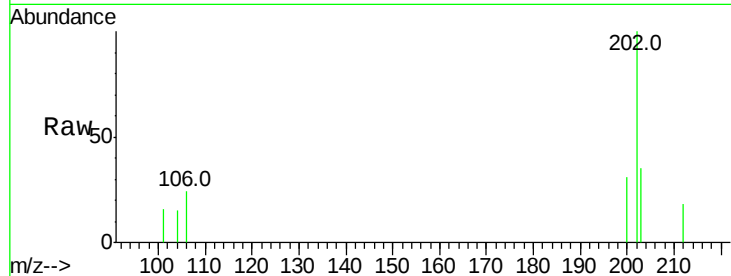
#15  
Fluoranthene  
Concen: 0.09 ng/ul  
RT: 19.13 min Scan# 1147  
Delta R.T. -0.04 min  
Lab File: BM008676.D  
Acq: 27 Dec 2016 16:39

Instrument :  
BNA\_M  
ClientSampleId :  
DA864

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 15.6  | 0.0        | 30.3  |
| 203     | 34.6  | 0.0        | 39.5  |

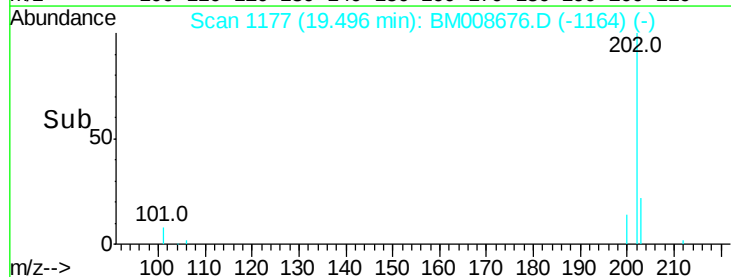
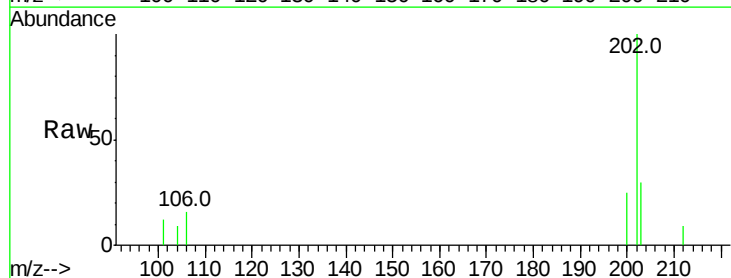
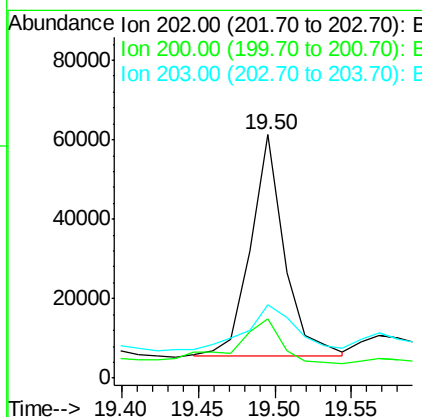
Manual Integrations  
APPROVED

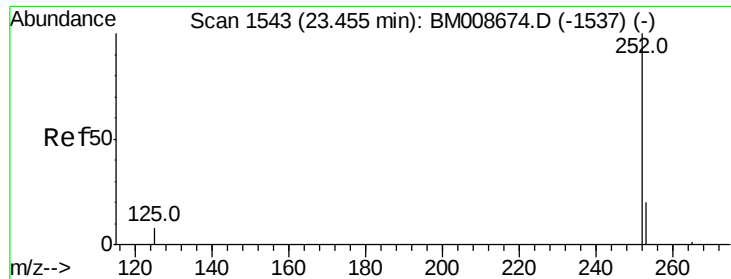
Sohil  
12/30/2016 8:45:53 AM



#17  
Pyrene  
Concen: 2.54 ng/ul m  
RT: 19.50 min Scan# 1177  
Delta R.T. -0.04 min  
Lab File: BM008676.D  
Acq: 27 Dec 2016 16:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 24.6  | 18.2       | 27.4  |
| 203     | 30.2  | 15.6       | 23.4# |





#23

Benzo(a)pyrene

Concen: 1.26 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA\_M

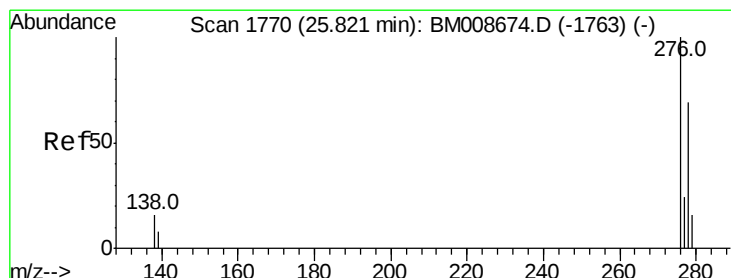
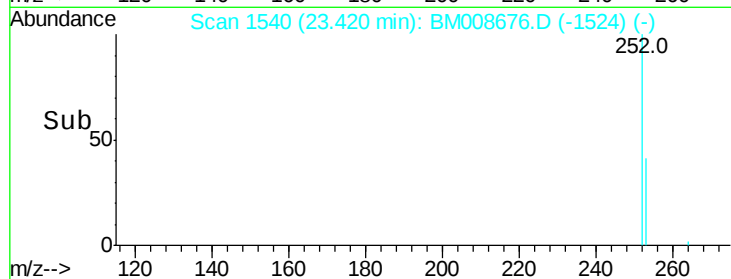
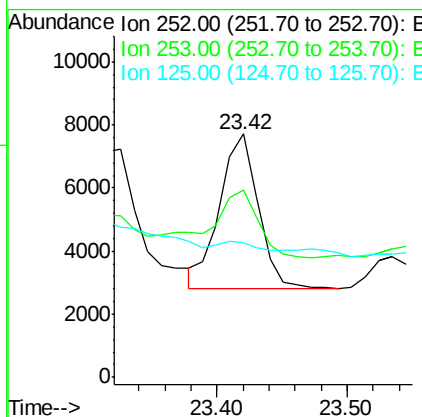
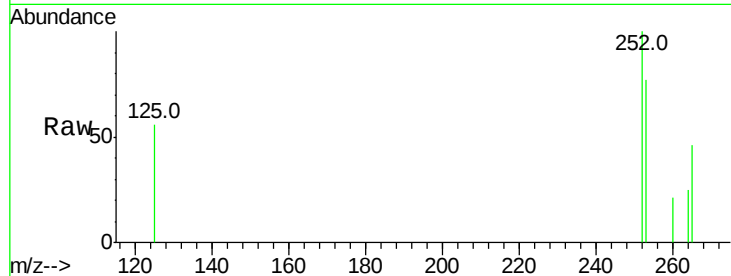
ClientSampled :

DA864

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 10010 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 76.7  | 28.5  | 42.7# |
| 125       | 55.6  | 18.1  | 27.1# |

Manual Integrations  
APPROVED

Sohil  
12/30/2016 8:45:53 AM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng/ul

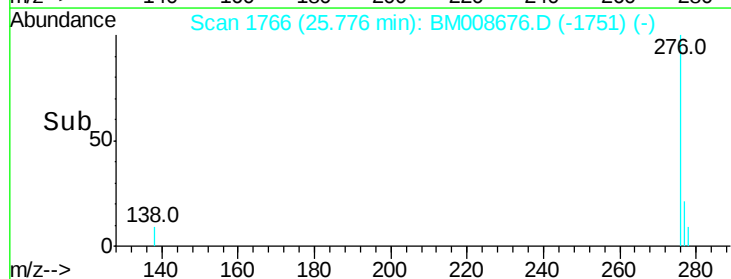
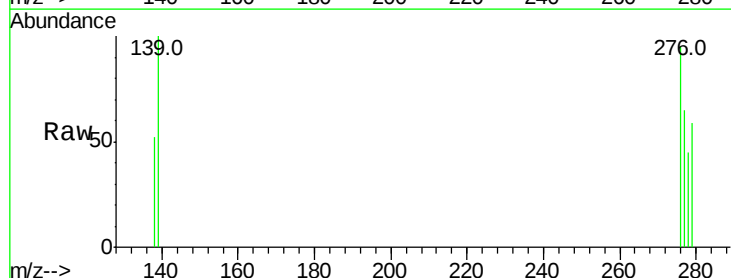
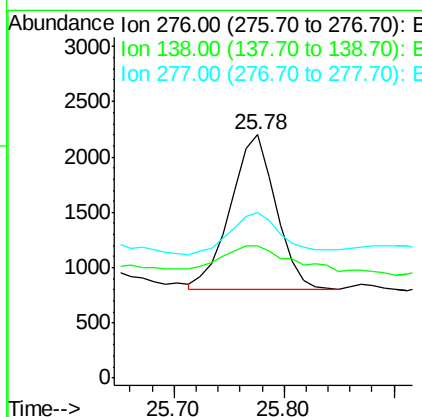
RT: 25.78 min Scan# 1766

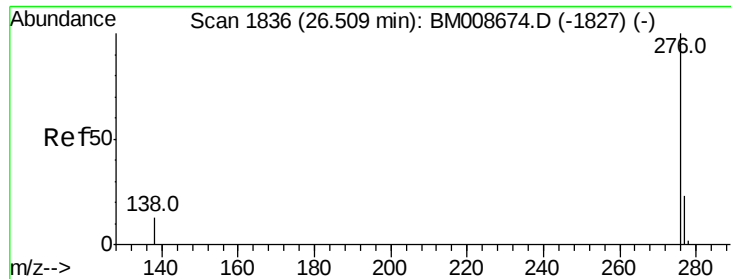
Delta R.T. -0.04 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 3977  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 34.8  | 19.1  | 28.7# |
| 277       | 31.3  | 19.6  | 29.4# |





#26

Benzo(a,h,i)perylene

Concen: 0.47 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.04 min

Lab File: BM008676.D

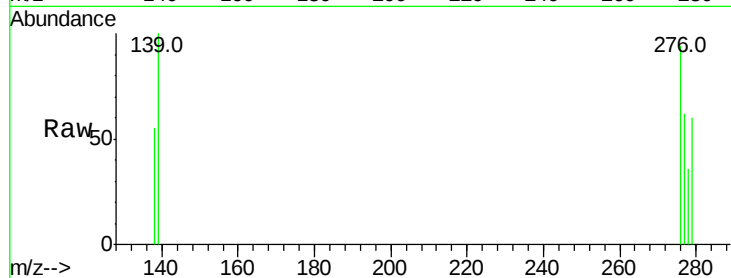
Acq: 27 Dec 2016 16:39

Instrument :

BNA\_M

ClientSampleId :

DA864



Tot Ion: 276 Resp: 3858

Ion Ratio Lower Upper

276 100

277 66.0 21.8 32.8#

138 58.2 20.5 30.7#

Manual Integrations

APPROVED

Sohil

12/30/2016 8:45:53 AM

