

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM012618\  
 Data File : BM013869.D  
 Acq On : 27 Jan 2018 06:10  
 Operator : SJ/JU  
 Sample : J1222-15DL 5X  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6A97DL

Manual Integrations  
 APPROVED

Sohil  
 1/29/2018 7:21:15 PM

Quant Time: Jan 27 21:27:48 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jan 27 04:13:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 157997   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 608595   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 329358   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 731886   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.19 | 240  | 767007   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.38 | 264  | 770517   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

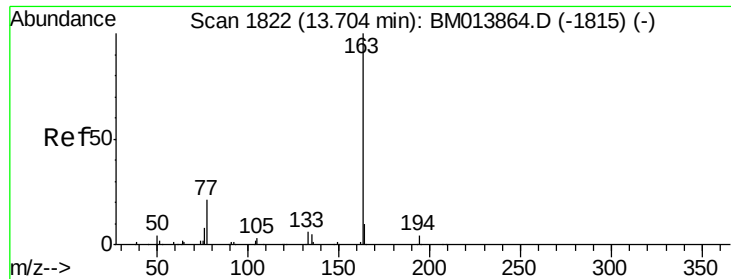
|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 2427   | 0.61 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 41758  | 3.44 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 31030  | 4.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 38686  | 3.91 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 16507  | 1.77 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 18112  | 3.84 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 19953  | 4.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.01 | 165 | 32039  | 3.32 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 34583  | 4.13 | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 134124 | 4.94 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 164935 | 4.76 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 9098m  | 2.06 | ng/ul | 0.05 |
| 57) Fluorene-d10               | 15.24 | 176 | 116987 | 4.90 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 14467  | 3.28 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.09 | 188 | 176345 | 4.95 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.39 | 212 | 201406 | 5.64 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.24 | 264 | 194855 | 5.50 | ng/ul | 0.00 |

## Target Compounds

|                               |       |     |         |        | Qvalue |    |
|-------------------------------|-------|-----|---------|--------|--------|----|
| 44) Dimethylphthalate         | 13.70 | 163 | 37985   | 1.423  | ng/ul# | 93 |
| 49) Acenaphthene              | 14.30 | 153 | 82181   | 3.747  | ng/ul  | 95 |
| 53) Dibenzofuran              | 14.64 | 168 | 51866   | 1.572  | ng/ul  | 93 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.88 | 232 | 17067   | 2.469  | ng/ul# | 88 |
| 58) Fluorene                  | 15.29 | 166 | 54877   | 2.030  | ng/ul  | 96 |
| 68) Pentachlorophenol         | 16.64 | 266 | 363036  | 73.422 | ng/ul  | 98 |
| 69) Phenanthrene              | 17.03 | 178 | 293302  | 7.210  | ng/ul  | 99 |
| 71) Anthracene                | 17.12 | 178 | 53182m  | 1.267  | ng/ul  |    |
| 74) Fluoranthene              | 19.06 | 202 | 1100750 | 22.667 | ng/ul# | 96 |
| 77) Pyrene                    | 19.42 | 202 | 798842  | 17.132 | ng/ul# | 94 |
| 80) Benzo(a)anthracene        | 21.17 | 228 | 148625  | 3.207  | ng/ul  | 98 |
| 82) Chrysene                  | 21.23 | 228 | 150709  | 3.545  | ng/ul  | 98 |
| 85) Benzo(b)fluoranthene      | 22.73 | 252 | 75820   | 1.602  | ng/ul# | 89 |

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





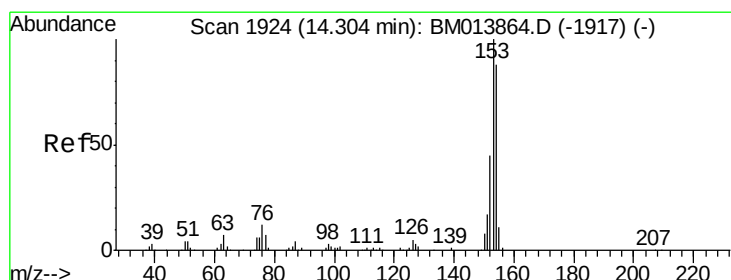
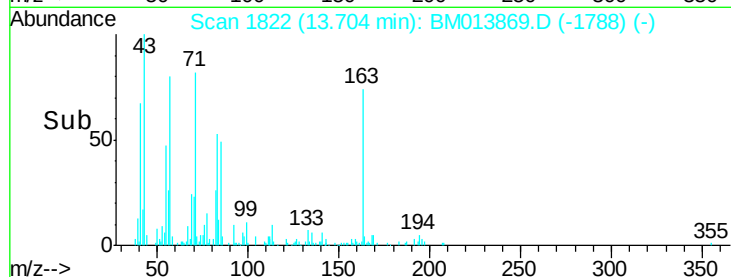
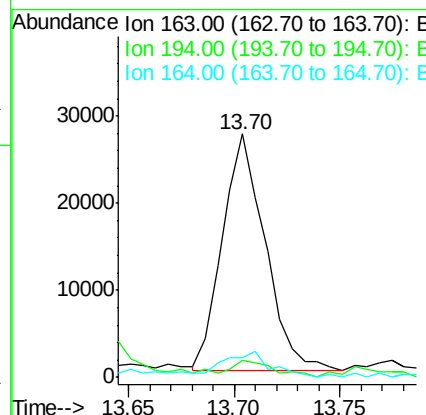
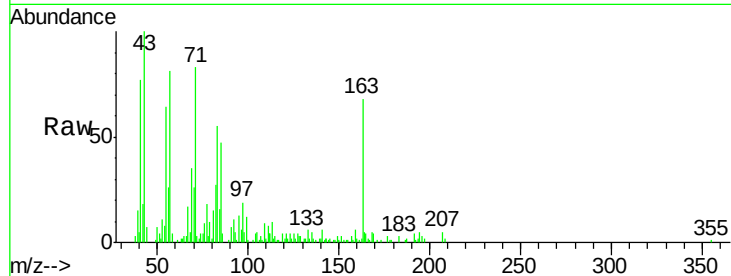
#44  
Dimethylphthalate  
Concen: 1.423 ng/ul  
RT: 13.70 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: BM013869.D  
Acq: 27 Jan 2018 06:10

Instrument :  
BNA\_M  
ClientSampleId :  
F6A97DL

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 37985 |       |       |
| 194     | 6.9   | 3.5   | 5.3#  |       |
| 164     | 8.0   | 8.2   | 12.4# |       |

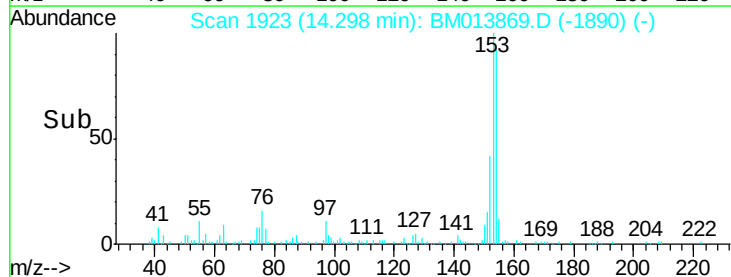
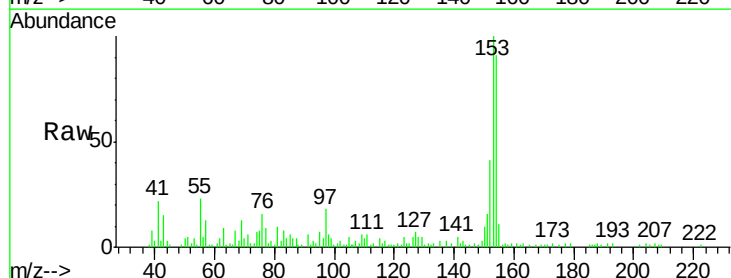
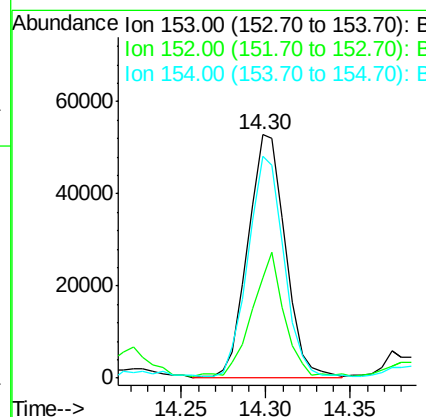
Manual Integrations  
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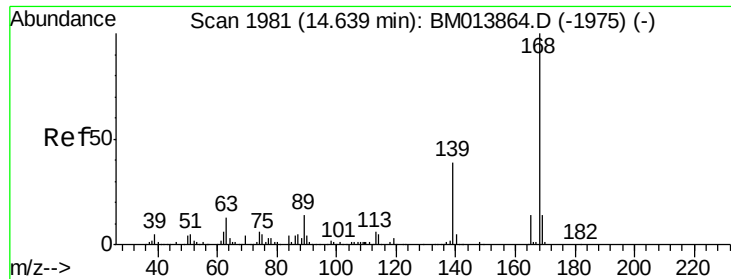
Sohil  
1/29/2018 7:21:15 PM



#49  
Acenaphthene  
Concen: 3.747 ng/ul  
RT: 14.30 min Scan# 1923  
Delta R.T. -0.01 min  
Lab File: BM013869.D  
Acq: 27 Jan 2018 06:10

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 153     | 100   | 82181 |       |       |
| 152     | 41.3  | 37.6  | 56.4  |       |
| 154     | 90.9  | 70.4  | 105.6 |       |





#53

Dibenzofuran

Concen: 1.572 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BM013869.D

Acq: 27 Jan 2018 06:10

Instrument :

BNA\_M

ClientSampled :

F6A97DL

Tgt Ion:168 Resp: 51866

Ion Ratio Lower Upper

168 100

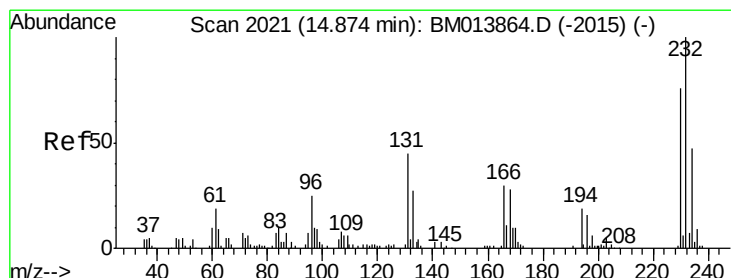
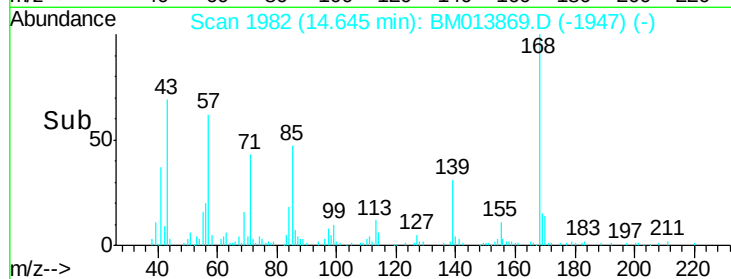
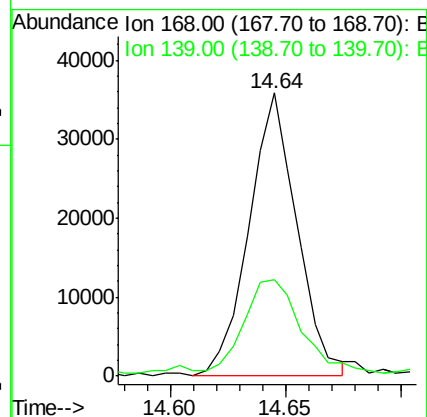
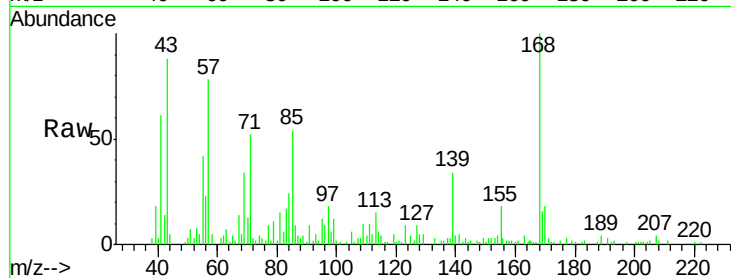
139 34.1 30.8 46.2

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#55

2,3,4,6-Tetrachlorophenol

Concen: 2.469 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BM013869.D

Acq: 27 Jan 2018 06:10

Tgt Ion:232 Resp: 17067

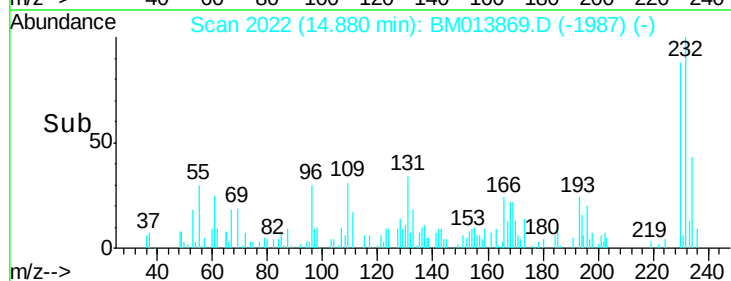
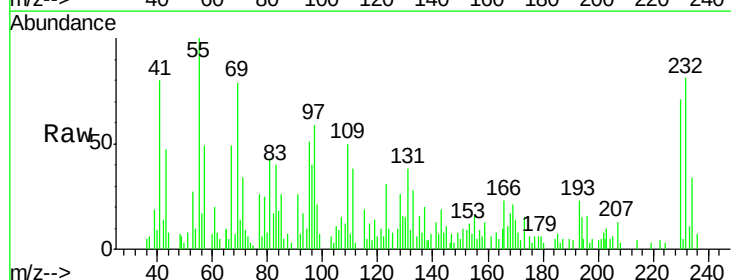
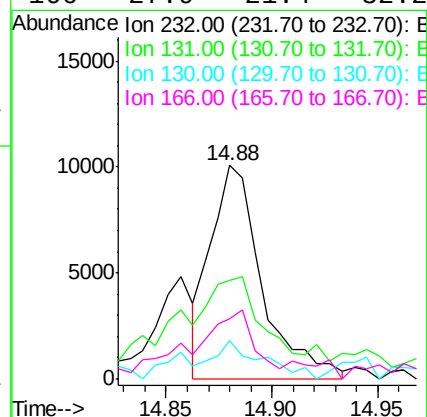
Ion Ratio Lower Upper

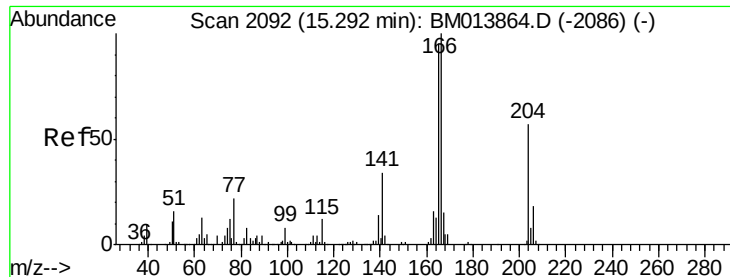
232 100

131 46.3 29.0 43.4#

130 18.0 2.0 3.0#

166 27.9 21.4 32.2





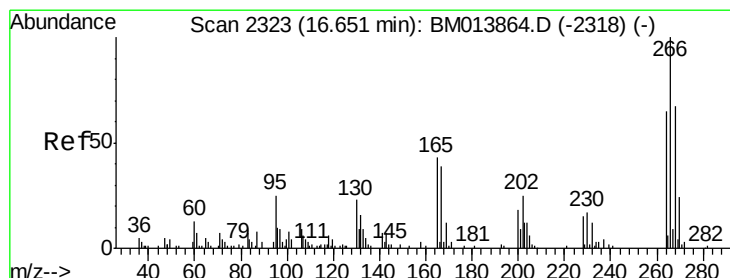
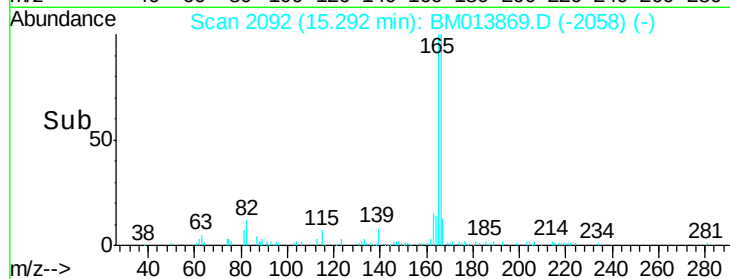
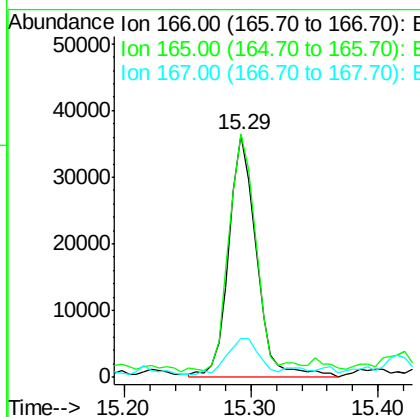
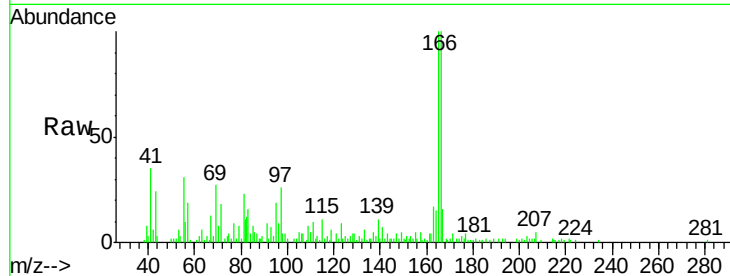
#58  
 Fluorene  
 Concen: 2.030 ng/ul  
 RT: 15.29 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: BM013869.D  
 Acq: 27 Jan 2018 06:10

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A97DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.5 | 77.9  | 116.9 |
| 167     | 15.9  | 10.6  | 16.0  |

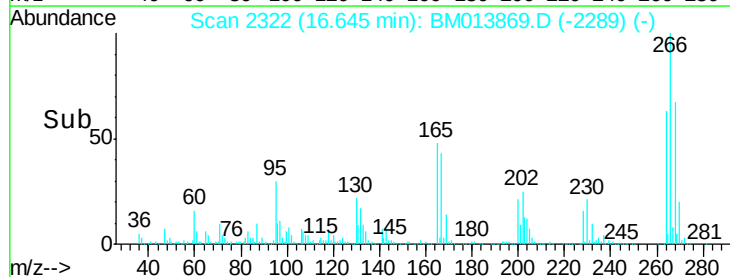
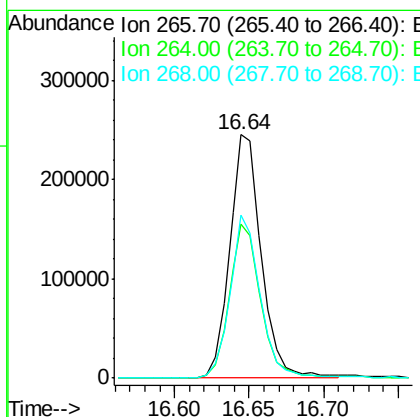
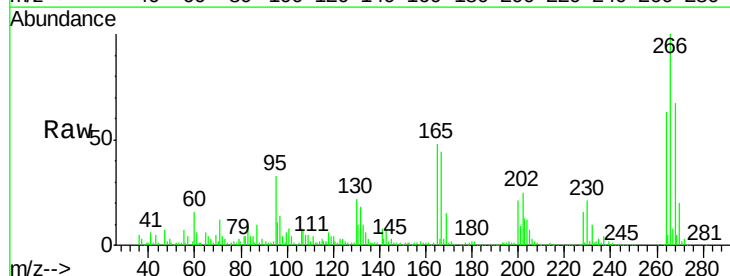
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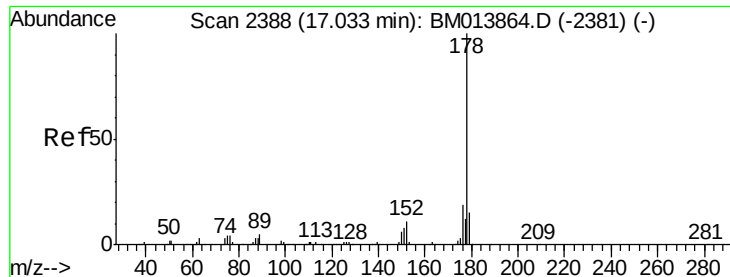
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 1/29/2018 7:21:15 PM



#68  
 Pentachlorophenol  
 Concen: 73.422 ng/ul  
 RT: 16.64 min Scan# 2322  
 Delta R.T. -0.01 min  
 Lab File: BM013869.D  
 Acq: 27 Jan 2018 06:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.4  | 49.3  | 73.9  |
| 268     | 66.9  | 52.6  | 78.8  |





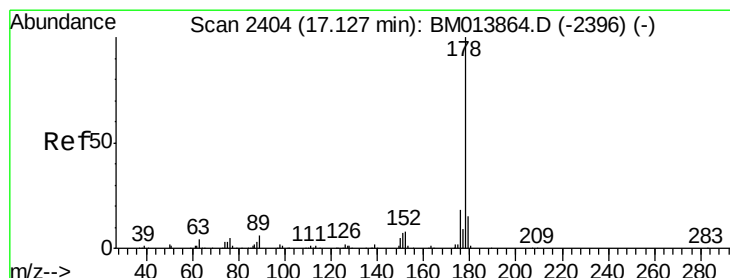
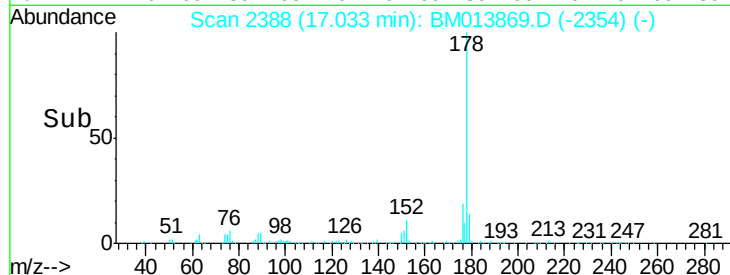
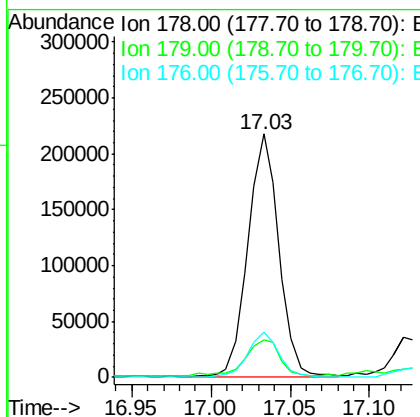
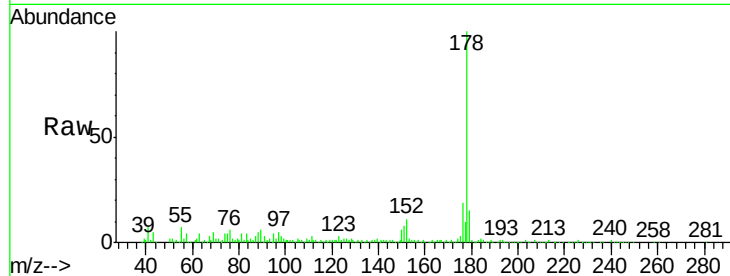
#69  
Phenanthrene  
Concen: 7.210 ng/ul  
RT: 17.03 min Scan# 2388  
Delta R.T. 0.00 min  
Lab File: BM013869.D  
Acq: 27 Jan 2018 06:10

Instrument :  
BNA\_M  
ClientSampled :  
F6A97DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 293302 |       |       |
| 179     | 15.3  | 12.6   | 19.0  |       |
| 176     | 18.7  | 14.9   | 22.3  |       |

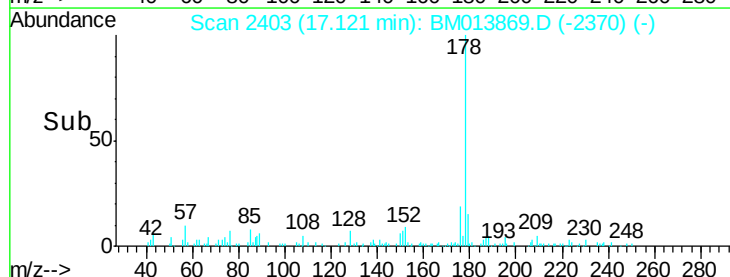
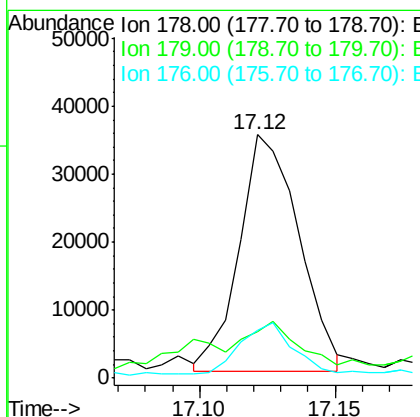
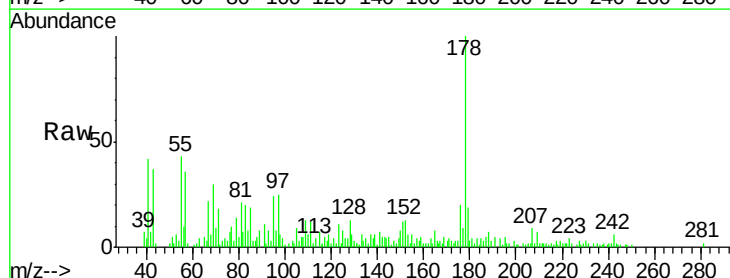
Manual Integrations  
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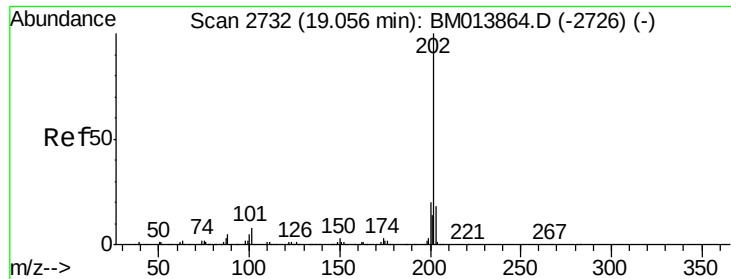
Sohil  
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#71  
Anthracene  
Concen: 1.267 ng/ul m  
RT: 17.12 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BM013869.D  
Acq: 27 Jan 2018 06:10

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 53182 |       |       |
| 179     | 18.9  | 11.7  | 17.5# |       |
| 176     | 19.5  | 14.6  | 21.8  |       |





#74

Fluoranthene

Concen: 22.667 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BM013869.D

Acq: 27 Jan 2018 06:10

Instrument :

BNA\_M

ClientSampleId :

F6A97DL

Tgt Ion:202 Resp: 1100750  
Ion Ratio Lower Upper

202 100

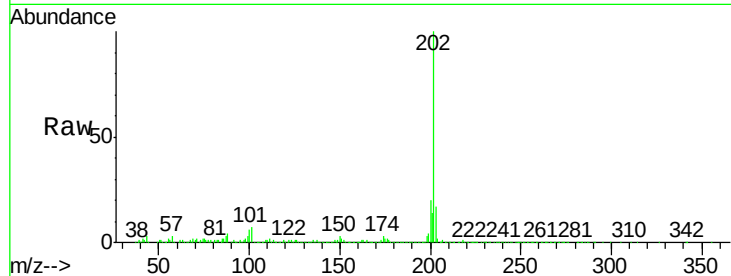
101 7.3 4.6 7.0#

100 5.7 3.4 5.2#

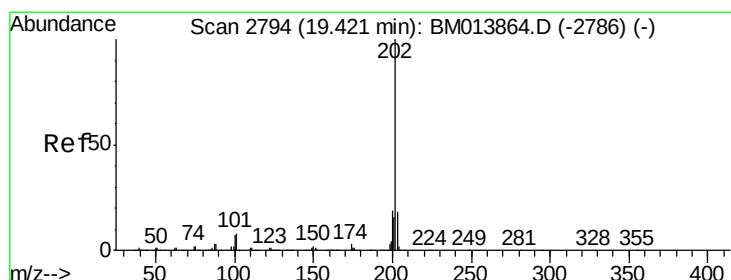
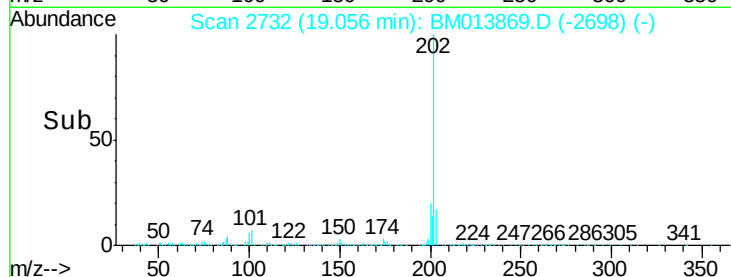
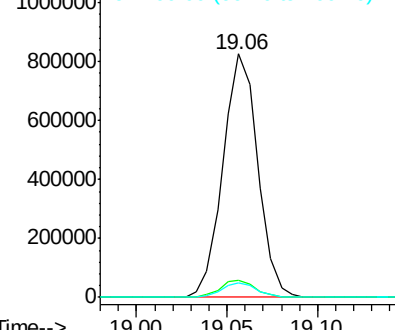
Manual Integrations  
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 17.132 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013869.D

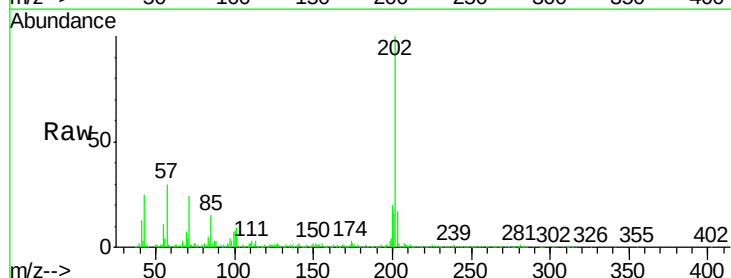
Acq: 27 Jan 2018 06:10

Tgt Ion:202 Resp: 798842  
Ion Ratio Lower Upper

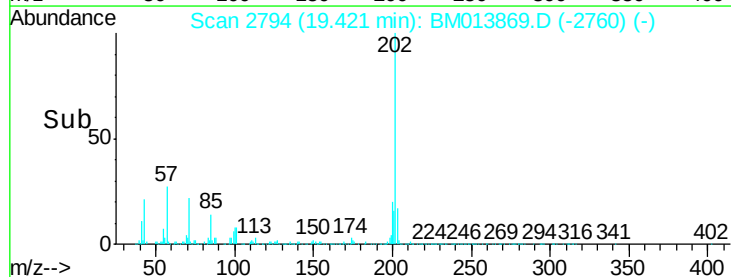
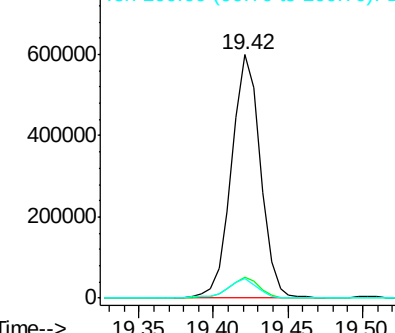
202 100

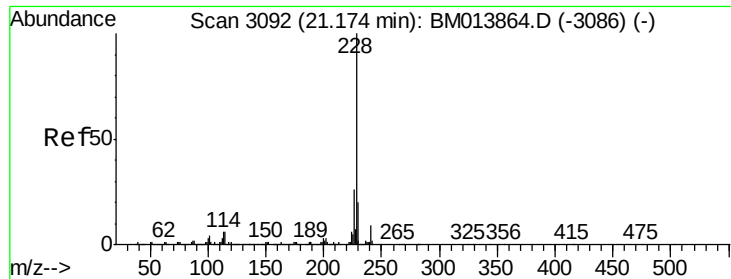
101 8.5 5.1 7.7#

100 7.8 4.9 7.3#



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.207 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013869.D

Acq: 27 Jan 2018 06:10

Instrument :

BNA\_M

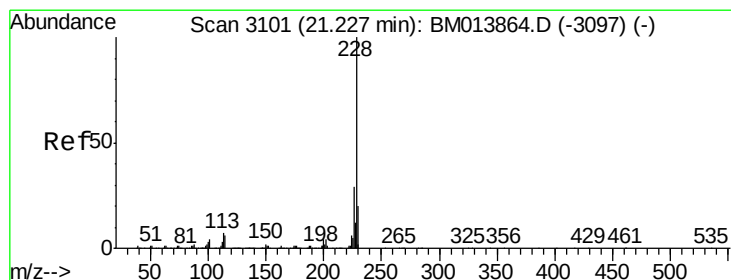
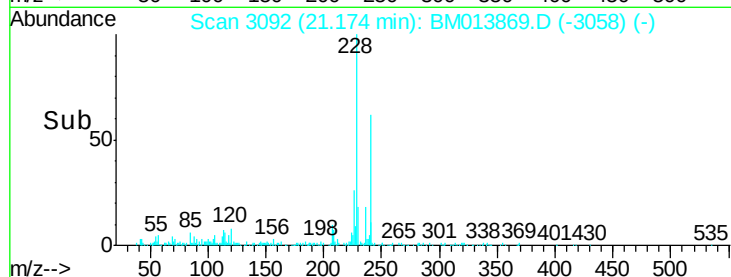
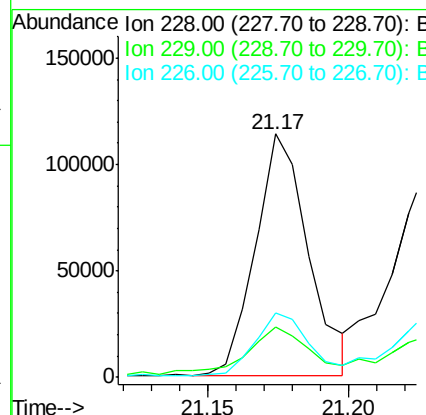
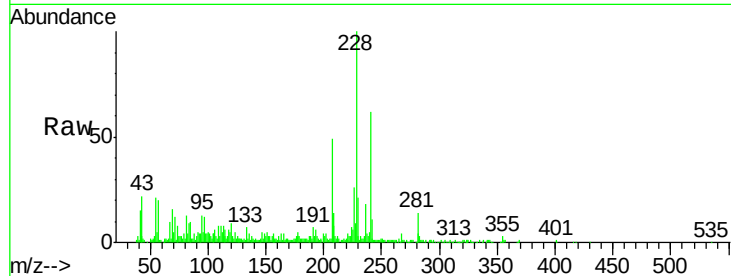
ClientSampleId :

F6A97DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 148625 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 20.6  | 15.4  | 23.0   |
| 226       | 26.3  | 21.4  | 32.0   |

Manual Integrations  
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#82

Chrysene

Concen: 3.545 ng/ul

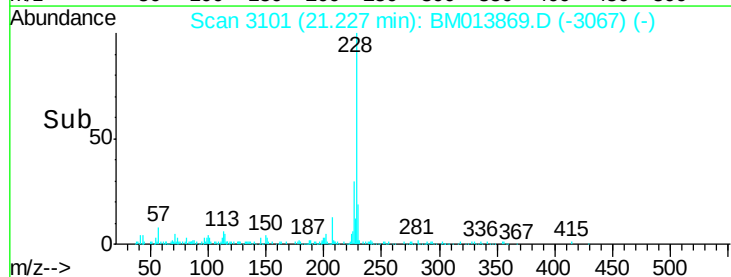
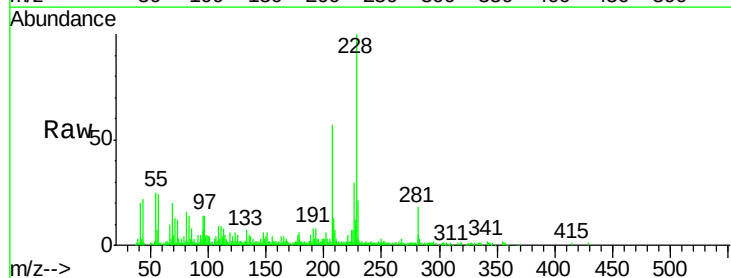
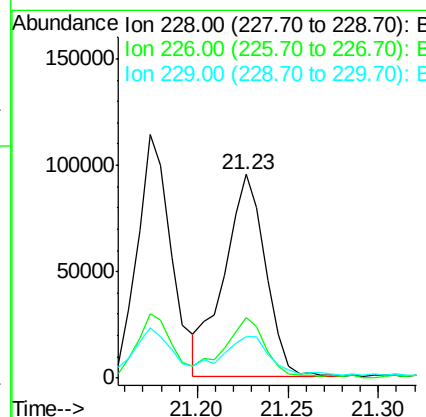
RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

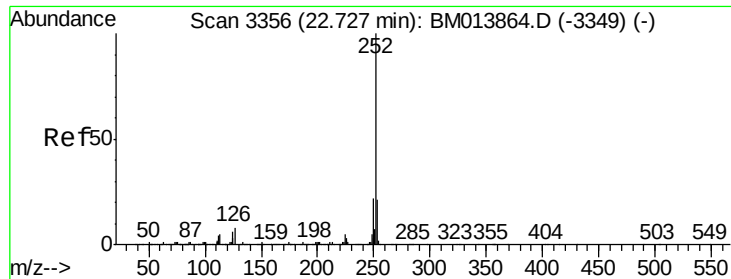
Lab File: BM013869.D

Acq: 27 Jan 2018 06:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 150709 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.8  | 23.4  | 35.2   |
| 229       | 20.5  | 15.5  | 23.3   |







#85

Benzo(b)fluoranthene

Concen: 1.602 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013869.D

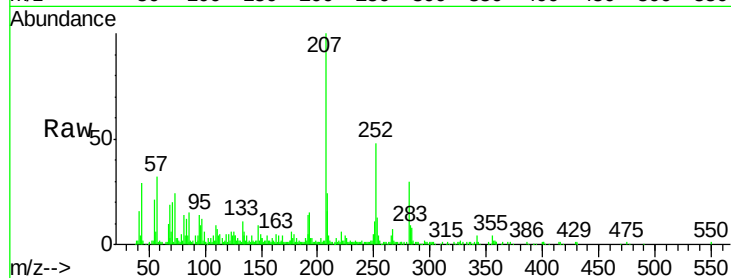
Acq: 27 Jan 2018 06:10

Instrument :

BNA\_M

ClientSampleId :

F6A97DL



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.4  | 17.9  | 26.9  |
| 125     | 12.4  | 3.6   | 5.4   |

Manual Integrations  
APPROVED

Sohil  
1/29/2018 7:21:15 PM

