

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\  
 Data File : BM019167.D  
 Acq On : 14 Mar 2019 13:50  
 Operator : JU/SJ  
 Sample : PB117903BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

Manual Integrations  
 APPROVED

Sohil  
 3/15/2019 5:51:08 PM

Quant Time: Mar 15 05:24:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 164175   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.44 | 136  | 717314   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.31 | 164  | 448120   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.06 | 188  | 1015950  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.27 | 240  | 1072215  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.50 | 264  | 959343   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1457513 | 143.77 | ng | 0.00  |
| 7) Phenol-d6             | 6.84  | 99  | 2084127 | 140.55 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.82  | 82  | 1152477 | 75.95  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 921608  | 139.29 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 12.92 | 172 | 2567934 | 74.54  | ng | -0.01 |
| 79) Terphenyl-d14        | 19.70 | 244 | 4298156 | 79.58  | ng | 0.00  |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 204550  | 45.357 | ng | 99     |
| 3) Pyridine                    | 3.62  | 79  | 456338  | 37.194 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.53  | 42  | 138181  | 36.227 | ng | 90     |
| 6) Aniline                     | 7.00  | 93  | 529577  | 27.662 | ng | 99     |
| 8) 2-Chlorophenol              | 7.22  | 128 | 509891  | 41.855 | ng | 98     |
| 9) Benzaldehyde                | 6.82  | 77  | 284580  | 30.511 | ng | 98     |
| 10) Phenol                     | 6.86  | 94  | 696623  | 43.592 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 451688  | 37.041 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.54  | 146 | 486755  | 37.756 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 7.69  | 146 | 500192  | 38.056 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 485109  | 37.936 | ng | 99     |
| 15) Benzyl Alcohol             | 7.91  | 79  | 491560  | 40.054 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 454473  | 36.500 | ng | 99     |
| 17) 2-Methylphenol             | 8.10  | 107 | 449685  | 43.182 | ng | 99     |
| 18) Hexachloroethane           | 8.72  | 117 | 181384  | 37.139 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 445221  | 36.598 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.43  | 107 | 619409  | 43.820 | ng | 99     |
| 22) Acetophenone               | 8.49  | 105 | 737053  | 37.181 | ng | # 99   |
| 24) Nitrobenzene               | 8.87  | 77  | 629622  | 39.895 | ng | 100    |
| 25) Isophorone                 | 9.39  | 82  | 1135006 | 39.198 | ng | 99     |
| 26) 2-Nitrophenol              | 9.57  | 139 | 267955  | 40.961 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 494731  | 50.870 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 687972  | 40.126 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 498899  | 46.319 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180 | 486197  | 40.032 | ng | 98     |
| 31) Naphthalene                | 10.49 | 128 | 1493902 | 39.513 | ng | 100    |
| 32) Benzoic acid               | 9.79  | 122 | 349966m | 42.490 | ng |        |
| 33) 4-Chloroaniline            | 10.62 | 127 | 313364  | 20.219 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 263013  | 37.736 | ng | 98     |
| 35) Caprolactam                | 11.44 | 113 | 167109m | 43.553 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 591633  | 44.516 | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 1148119 | 41.789 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 1096422 | 40.488 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 541377  | 38.192 | ng | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\  
 Data File : BM019167.D  
 Acq On : 14 Mar 2019 13:50  
 Operator : JU/SJ  
 Sample : PB117903BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

Manual Integrations  
 APPROVED

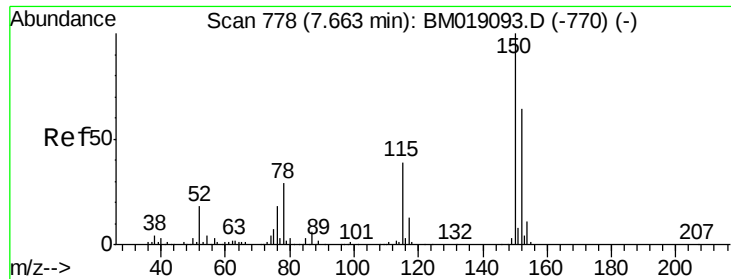
Sohil  
 3/15/2019 5:51:08 PM

Quant Time: Mar 15 05:24:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.45 | 237  | 617588   | 96.185 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.73 | 196  | 410759   | 44.840 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 12.80 | 196  | 445496m  | 45.479 | nq    |          |
| 46) 1,1'-Biphenyl              | 13.13 | 154  | 1519281  | 38.822 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.18 | 162  | 1176954  | 40.291 | nq    | 100      |
| 48) 2-Nitroaniline             | 13.41 | 65   | 409685   | 41.818 | nq    | 96       |
| 49) Acenaphthylene             | 14.03 | 152  | 1950867  | 39.497 | nq    | 100      |
| 50) Dimethylphthalate          | 13.78 | 163  | 1549512  | 40.421 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.91 | 165  | 343798   | 41.487 | nq    | 99       |
| 52) Acenaphthene               | 14.37 | 154  | 1125496  | 39.656 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.25 | 138  | 223985   | 25.520 | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 14.46 | 184  | 313205   | 65.081 | nq    | 97       |
| 55) Dibenzofuran               | 14.71 | 168  | 1829698  | 39.976 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.56 | 139  | 576366   | 80.431 | nq    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.70 | 165  | 482287   | 40.093 | nq    | 98       |
| 58) Fluorene                   | 15.36 | 166  | 1512586  | 40.093 | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 396461   | 43.474 | nq    | 99       |
| 60) Diethylphthalate           | 15.15 | 149  | 1601880  | 41.259 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 747258   | 40.781 | nq    | 100      |
| 62) 4-Nitroaniline             | 15.42 | 138  | 319537   | 36.126 | nq    | 99       |
| 63) Azobenzene                 | 15.65 | 77   | 1691823  | 41.411 | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 227562   | 34.181 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.58 | 169  | 1328650  | 41.078 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 451020   | 40.258 | nq    | 98       |
| 68) Hexachlorobenzene          | 16.36 | 284  | 530612   | 39.837 | nq    | 98       |
| 69) Atrazine                   | 16.54 | 200  | 455590   | 41.844 | nq    | 100      |
| 70) Pentachlorophenol          | 16.72 | 266  | 623399   | 77.684 | nq    | 99       |
| 71) Phenanthrene               | 17.11 | 178  | 2343026  | 39.347 | nq    | 100      |
| 72) Anthracene                 | 17.20 | 178  | 2387718  | 40.959 | nq    | 99       |
| 73) Carbazole                  | 17.48 | 167  | 2177391  | 39.574 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.03 | 149  | 2710351  | 40.736 | nq    | 100      |
| 75) Fluoranthene               | 19.13 | 202  | 2675257  | 39.152 | nq    | 99       |
| 77) Benzidine                  | 19.33 | 184  | 1374528  | 45.202 | nq    | 99       |
| 78) Pyrene                     | 19.50 | 202  | 2751974  | 40.566 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 1289851  | 43.652 | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.25 | 228  | 2625990  | 39.038 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 660848   | 25.502 | nq    | 100      |
| 83) Chrysene                   | 21.30 | 228  | 2521943  | 38.754 | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 1903206  | 44.273 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.05 | 149  | 3300808  | 45.600 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.76 | 276  | 2541331  | 36.277 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 2515016  | 40.458 | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 22.87 | 252  | 2464778  | 43.108 | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.40 | 252  | 2313387  | 41.411 | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.77 | 278  | 2166206  | 40.536 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.46 | 276  | 2032049  | 41.418 | nq    | 100      |

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





#1

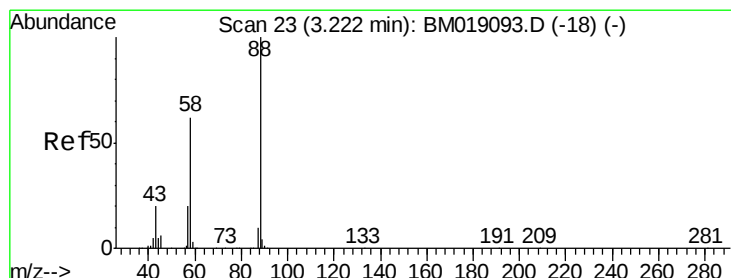
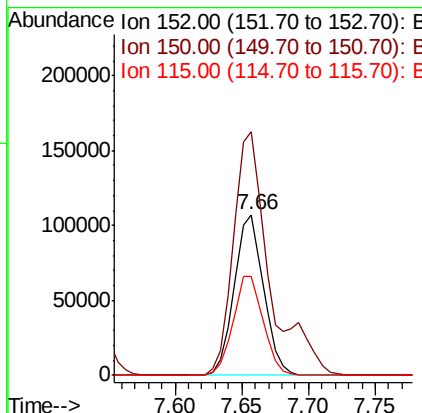
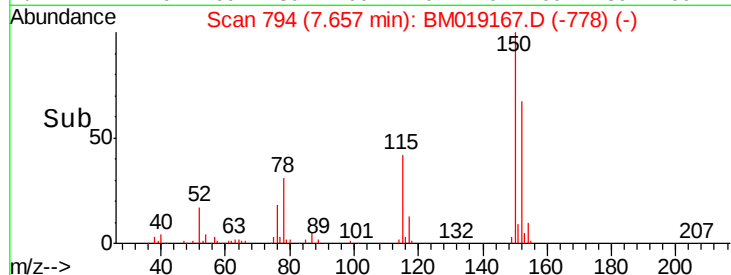
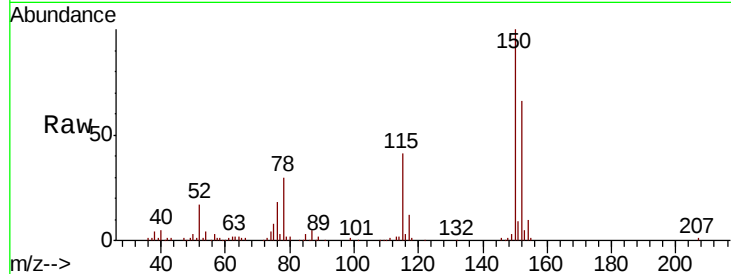
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.6 | 125.3 | 187.9 |
| 115     | 61.9  | 49.4  | 74.0  |

Manual Integrations  
APPROVED

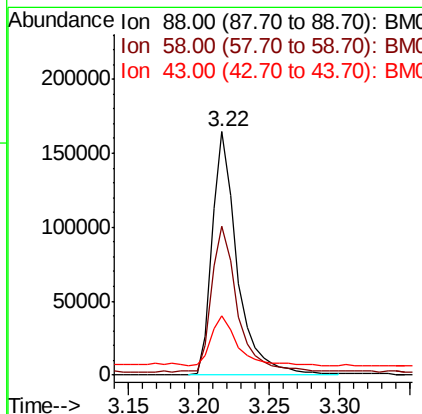
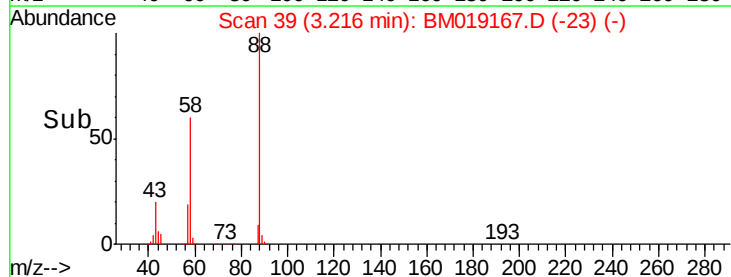
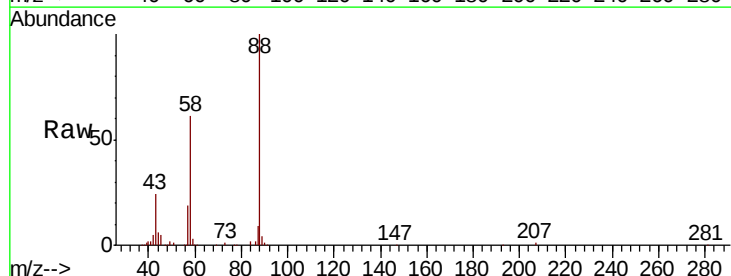
Sohil  
3/15/2019 5:51:08 PM



#2

1,4-Dioxane  
Concen: 45.357 ng  
RT: 3.22 min Scan# 39  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.8  | 50.0  | 75.0  |
| 43      | 22.1  | 17.0  | 25.4  |





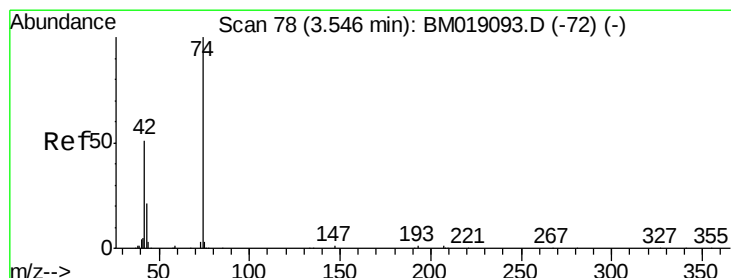
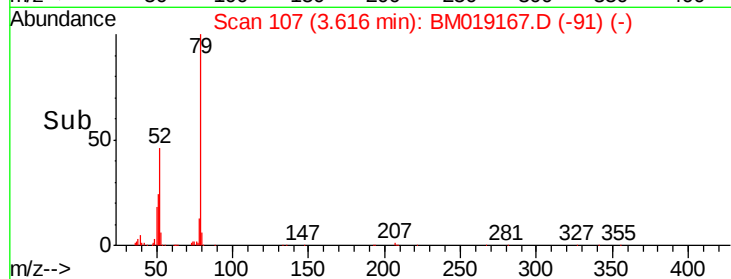
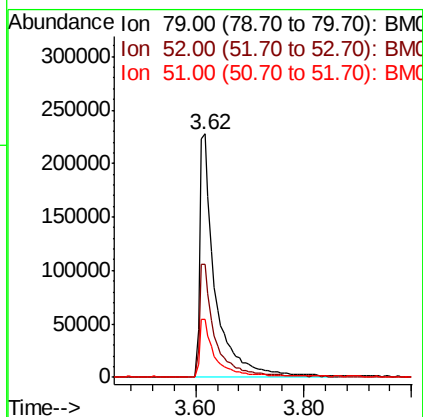
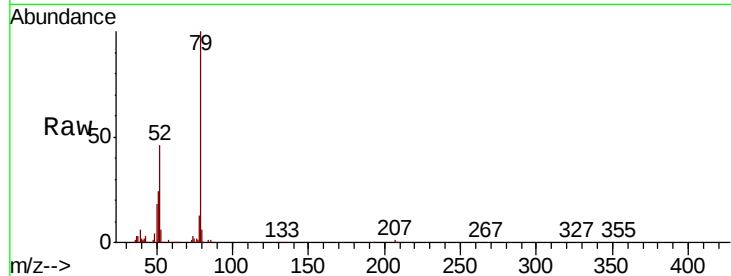
#3  
 Pvridine  
 Concen: 37.194 ng  
 RT: 3.62 min Scan# 107  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 46.3  | 37.5  | 56.3  |
| 51      | 24.0  | 19.2  | 28.8  |

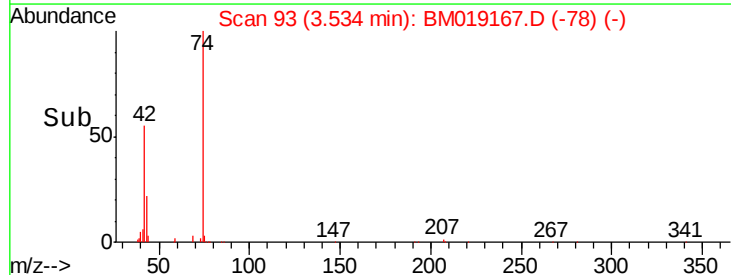
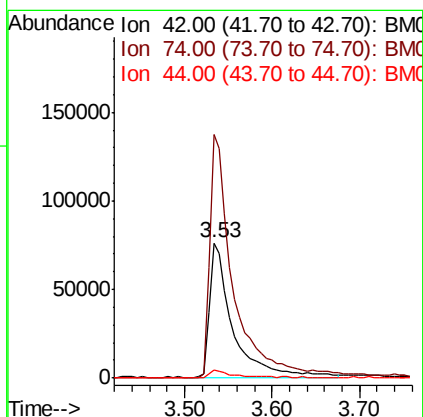
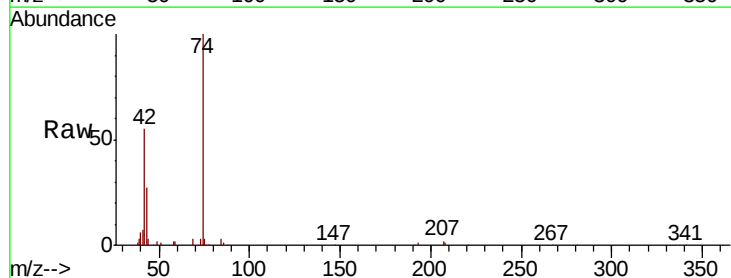
Manual Integrations  
 APPROVED

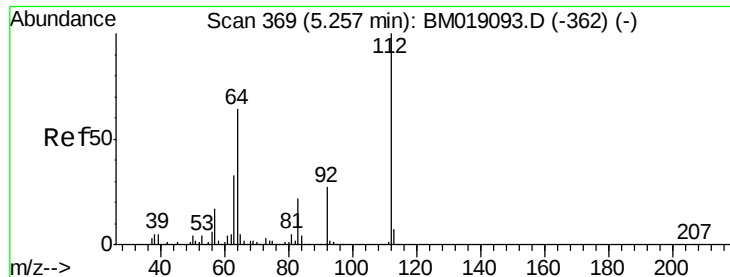
Sohil  
 3/15/2019 5:51:08 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 36.227 ng  
 RT: 3.53 min Scan# 93  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 180.5 | 156.3 | 234.5 |
| 44      | 6.1   | 4.6   | 7.0   |





#5

2-Fluorophenol

Concen: 143.774 ng

RT: 5.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

ClientSampled :

PB117903BS

Tot Ion:112 Resp: 1457513

Ion Ratio Lower Upper

112 100

64 62.6 51.4 77.0

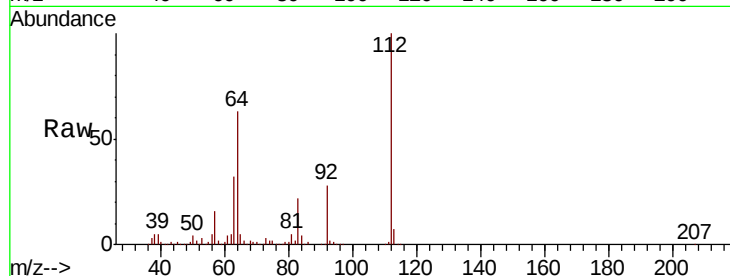
63 32.0 26.6 40.0

Manual Integrations

APPROVED

Sohil

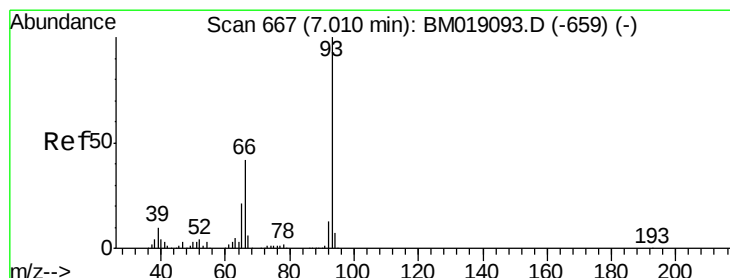
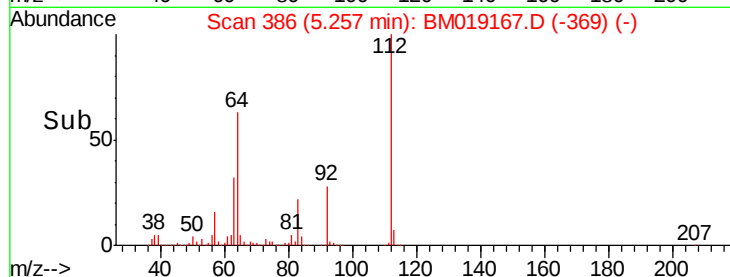
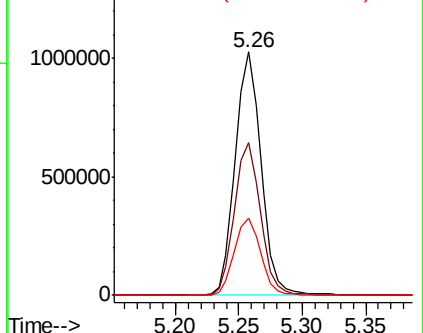
3/15/2019 5:51:08 PM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 27.662 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Tgt Ion: 93 Resp: 529577

Ion Ratio Lower Upper

93 100

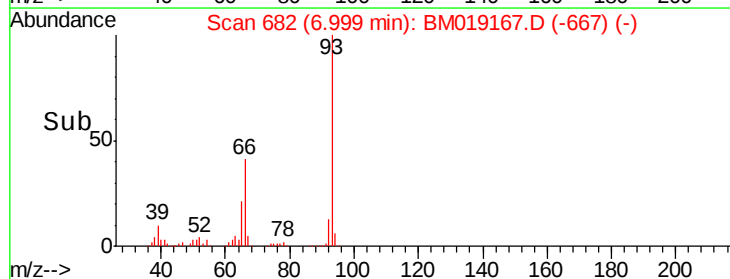
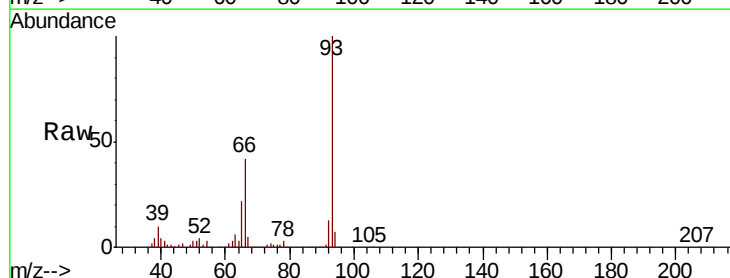
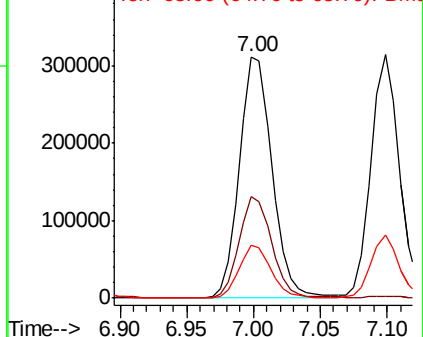
66 42.0 33.4 50.2

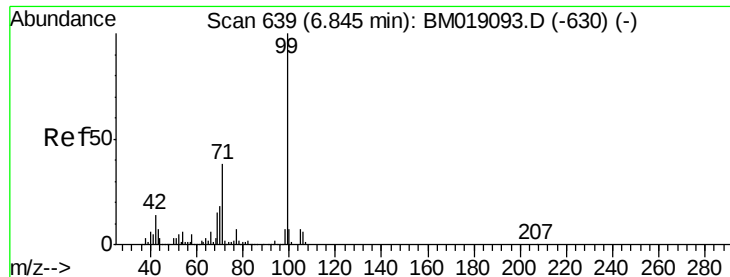
65 21.7 16.8 25.2

Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 140.551 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

ClientSampleId :

PB117903BS

Tot Ion: 99 Resp: 2084127

Ion Ratio Lower Upper

99 100

42 14.0 10.9 16.3

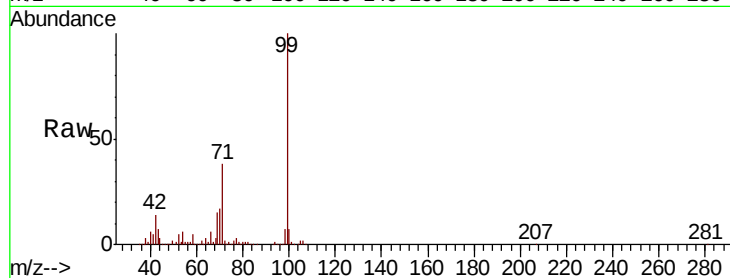
71 38.2 30.3 45.5

Manual Integrations

APPROVED

Sohil

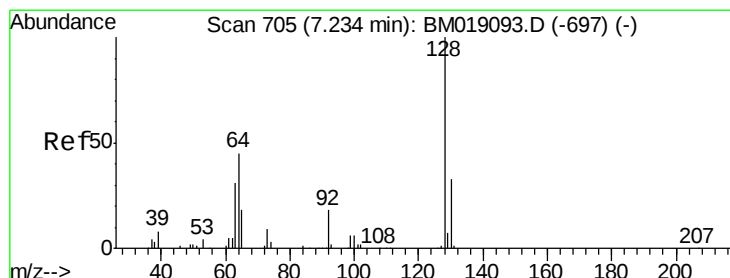
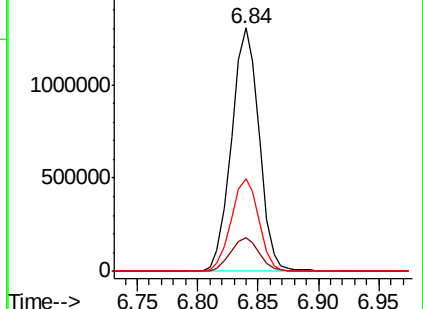
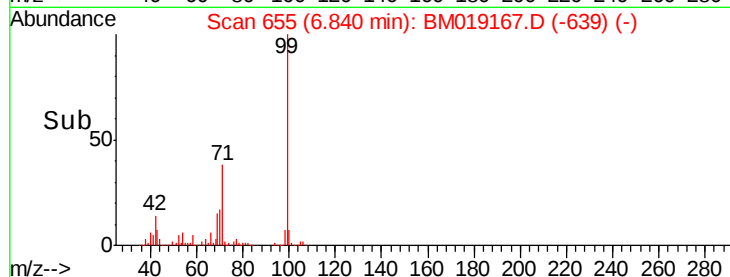
3/15/2019 5:51:08 PM



Abundance Ion 99.00 (98.70 to 99.70): BM019093.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM019093.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM019093.D (-630) (-)



#8

2-Chlorophenol

Concen: 41.855 ng

RT: 7.22 min Scan# 720

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

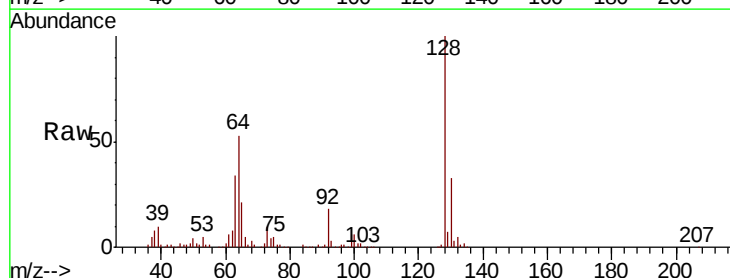
Tgt Ion:128 Resp: 509891

Ion Ratio Lower Upper

128 100

130 32.9 12.8 52.8

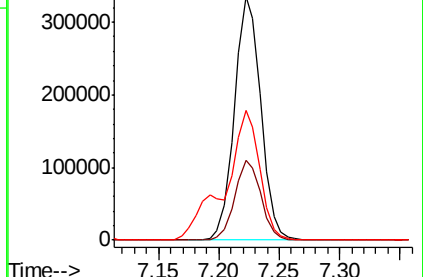
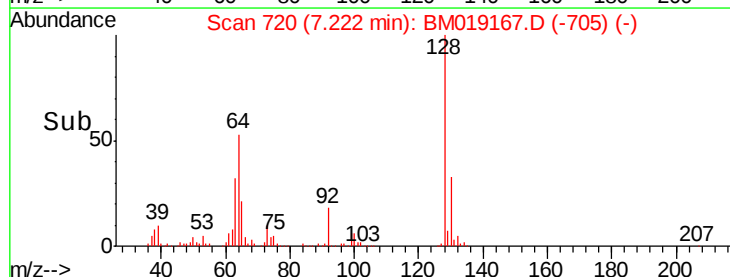
64 53.0 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): BM019093.D (-697) (-)

Ion 130.00 (129.70 to 130.70): BM019093.D (-697) (-)

Ion 64.00 (63.70 to 64.70): BM019093.D (-697) (-)





#9

Benzaldehyde

Concen: 30.511 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

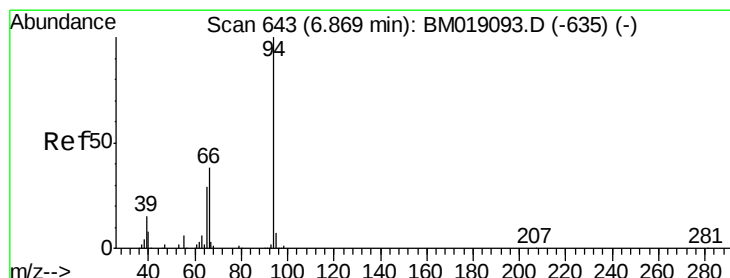
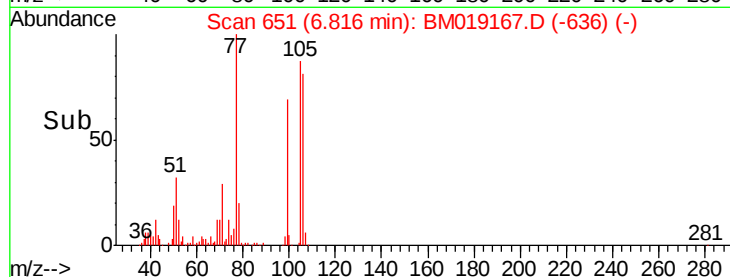
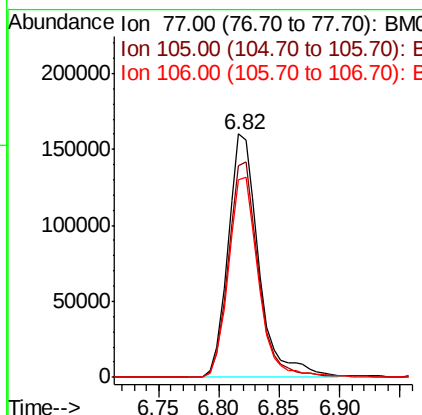
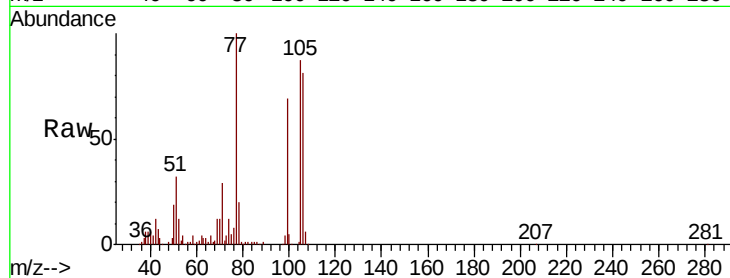
ClientSampleId :

PB117903BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 284580 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 86.9  | 67.7  | 107.7  |
| 106      | 81.2  | 64.1  | 104.1  |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#10

Phenol

Concen: 43.592 ng

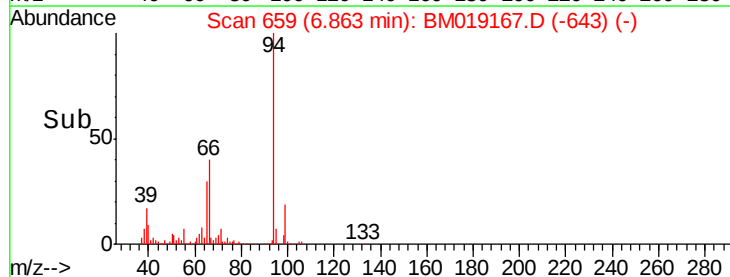
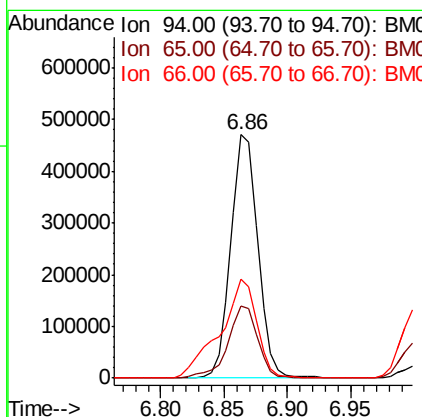
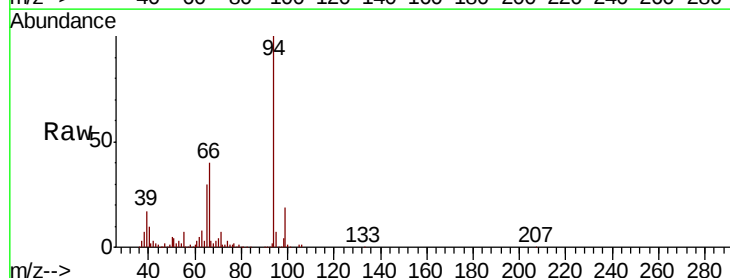
RT: 6.86 min Scan# 659

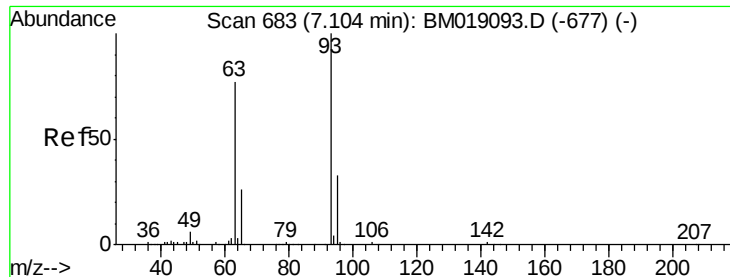
Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 696623 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 29.7  | 9.7   | 49.7   |
| 66       | 40.4  | 19.2  | 59.2   |





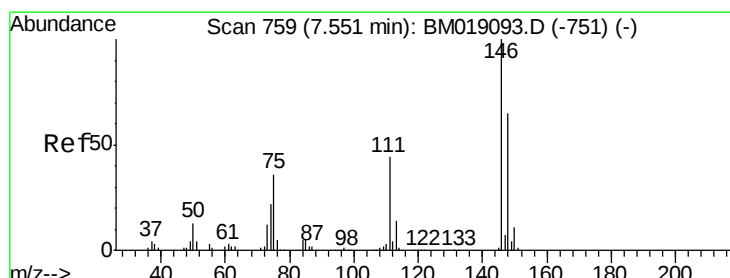
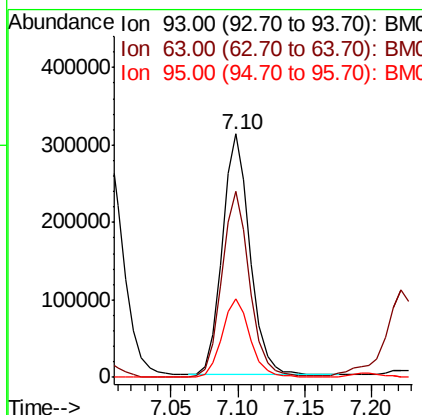
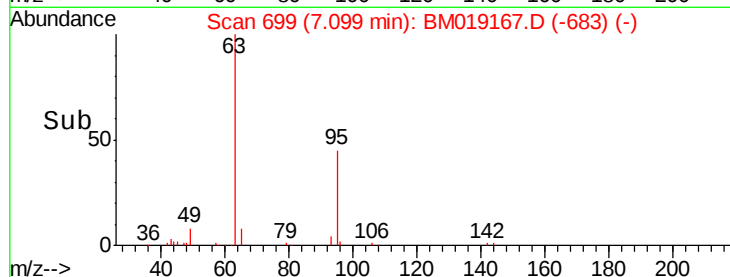
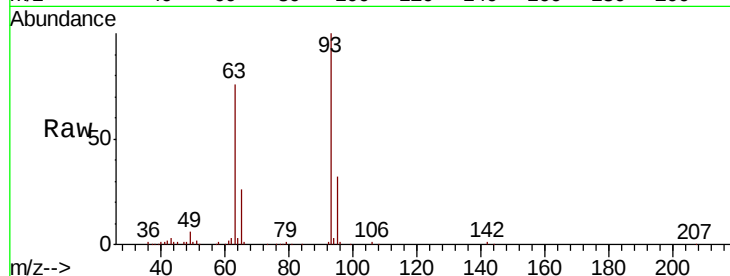
#11  
bis(2-Chloroethyl)ether  
Concen: 37.041 ng  
RT: 7.10 min Scan# 699  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 63      | 76.5  | 56.6 | 96.6  |       |
| 95      | 32.0  | 13.0 | 53.0  |       |

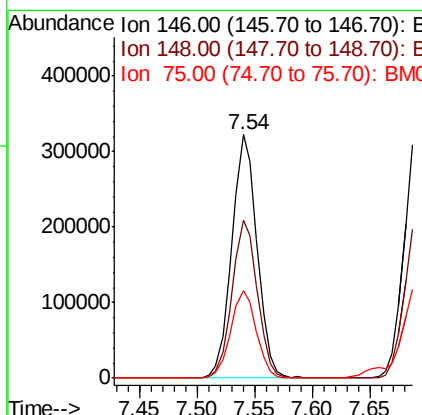
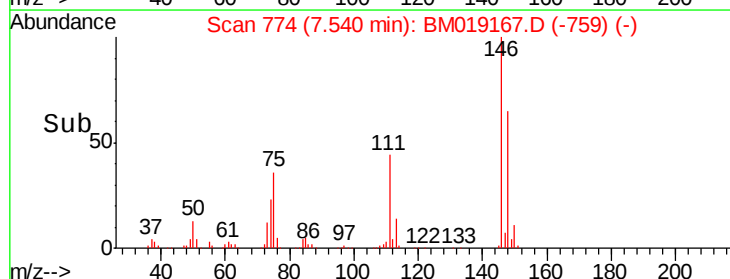
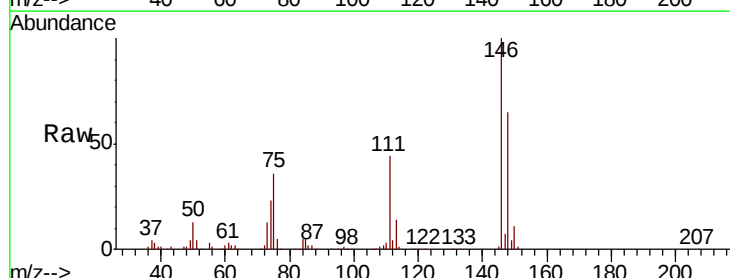
Manual Integrations  
APPROVED

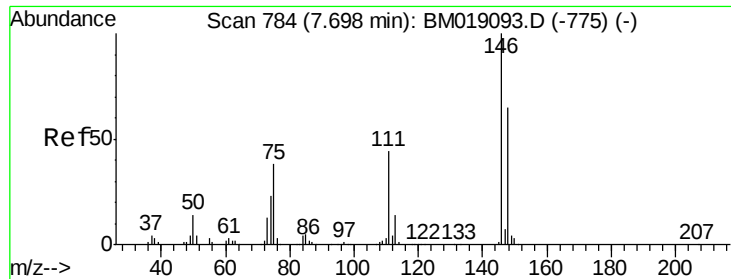
Sohil  
3/15/2019 5:51:08 PM



#12  
1,3-Dichlorobenzene  
Concen: 37.756 ng  
RT: 7.54 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 148     | 64.6  | 51.7 | 77.5  |       |
| 75      | 35.8  | 29.1 | 43.7  |       |





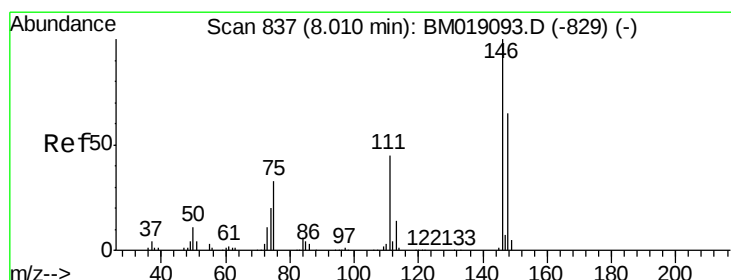
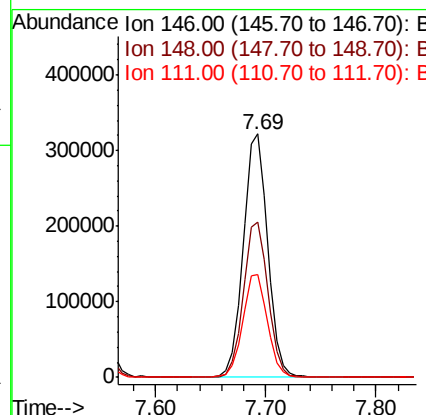
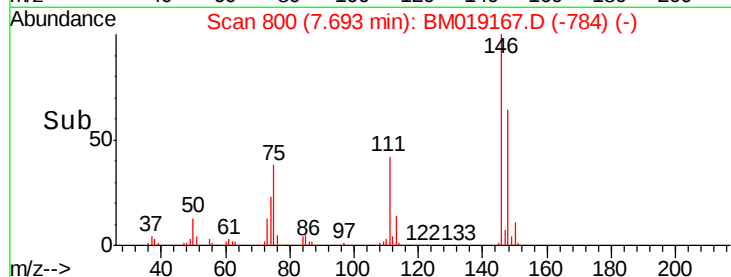
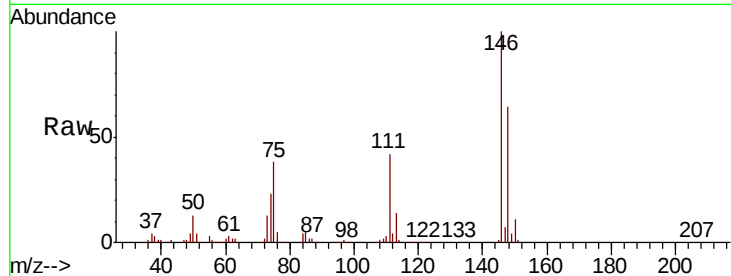
#13  
 1,4-Dichlorobenzene  
 Concen: 38.056 ng  
 RT: 7.69 min Scan# 800  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 51.8  | 77.6  |
| 111     | 42.1  | 35.4  | 53.0  |

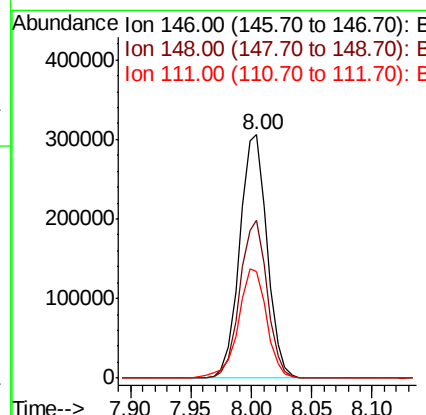
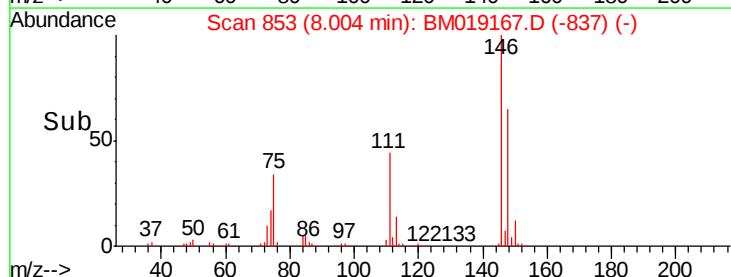
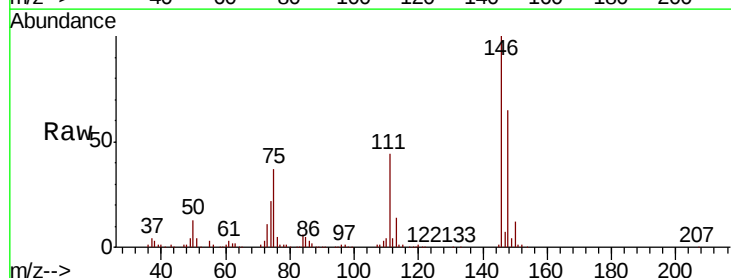
Manual Integrations  
 APPROVED

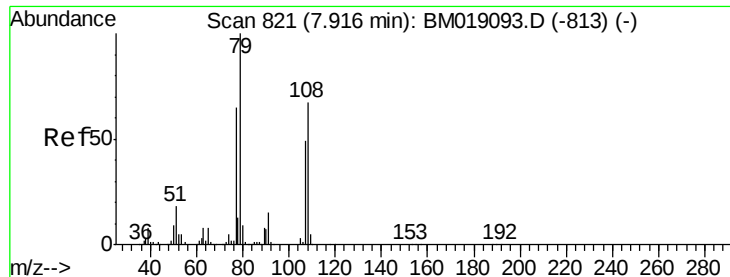
Sohil  
 3/15/2019 5:51:08 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 37.936 ng  
 RT: 8.00 min Scan# 853  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 51.8  | 77.6  |
| 111     | 43.7  | 36.2  | 54.4  |





#15

Benzyl Alcohol

Concen: 40.054 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

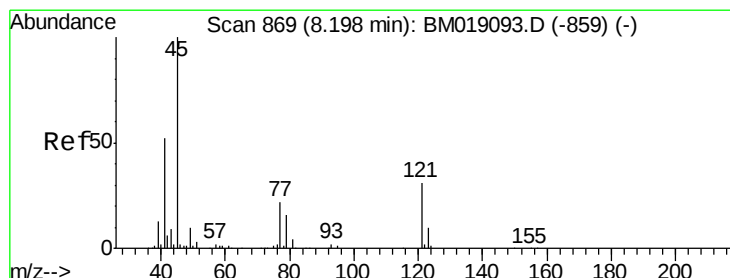
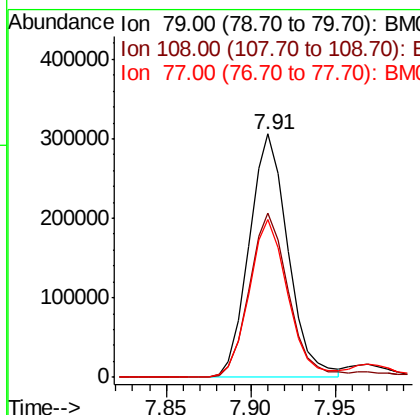
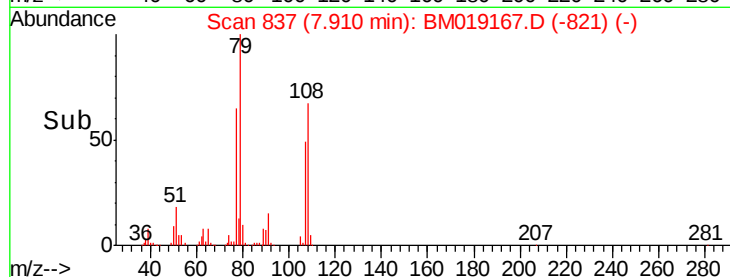
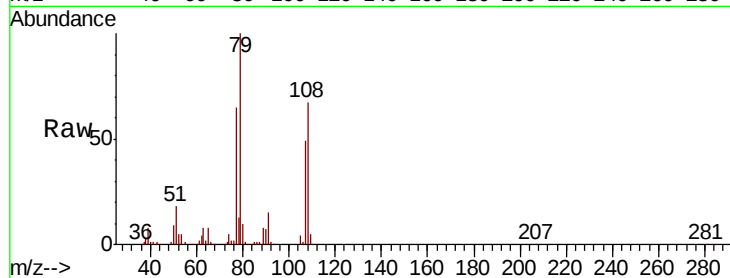
ClientSampleId :

PB117903BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 491560 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 67.2  | 53.7  | 80.5   |
| 77        | 64.9  | 51.8  | 77.8   |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.500 ng

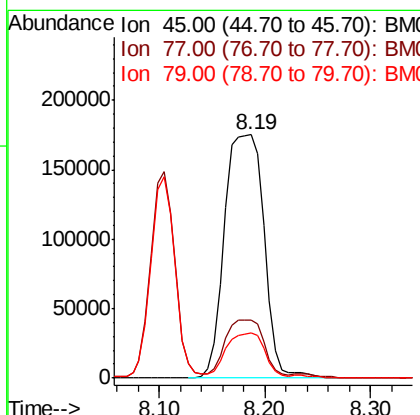
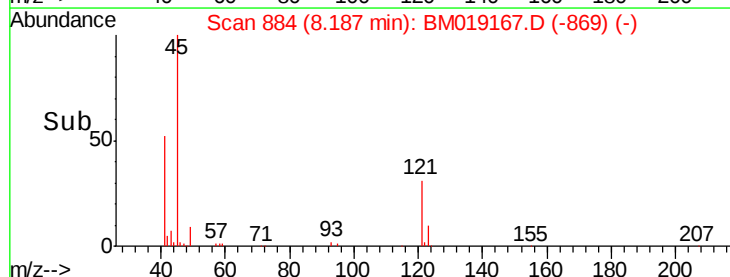
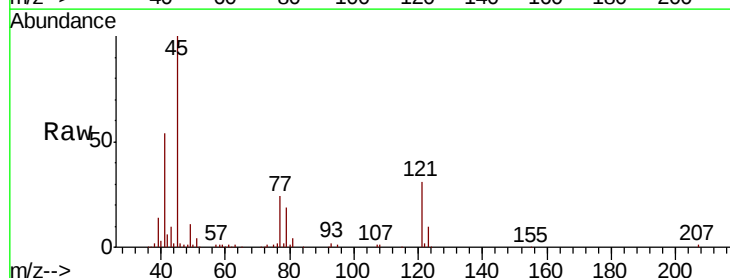
RT: 8.19 min Scan# 884

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 454473 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 23.8  | 4.1   | 44.1   |
| 79        | 18.6  | 0.0   | 38.1   |





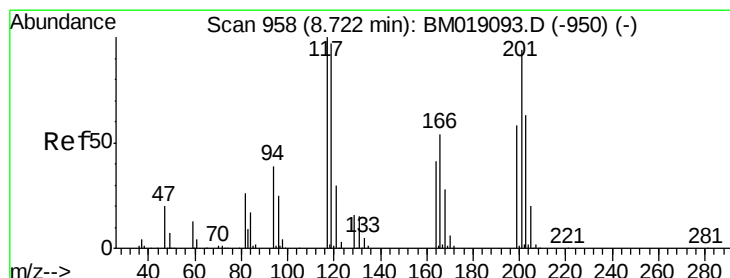
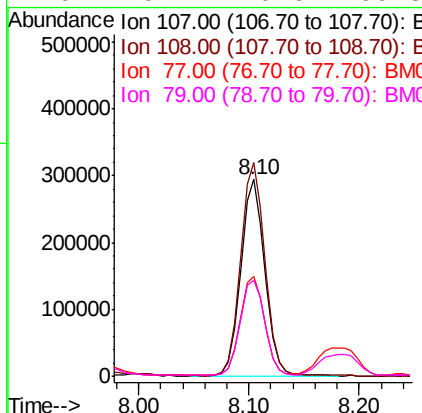
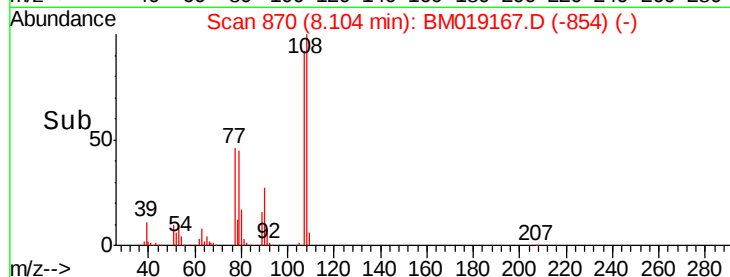
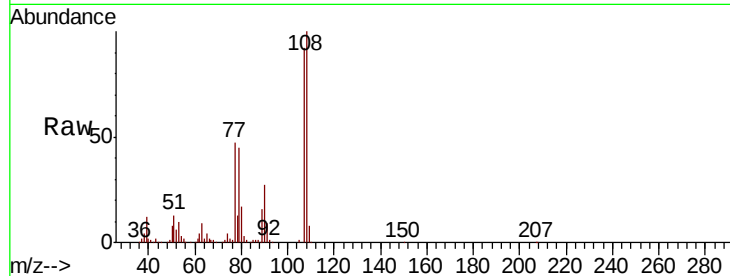
#17  
2-Methylphenol  
Concen: 43.182 ng  
RT: 8.10 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampled :  
PB117903BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 108.6 | 87.4 | 131.2 |       |
| 77      | 50.6  | 41.6 | 62.4  |       |
| 79      | 49.1  | 40.6 | 60.8  |       |

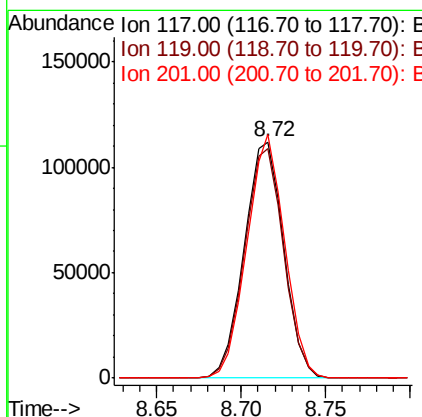
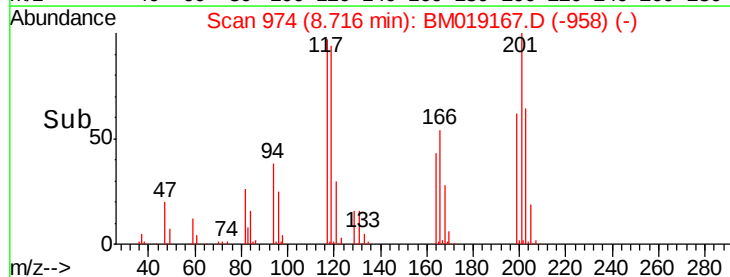
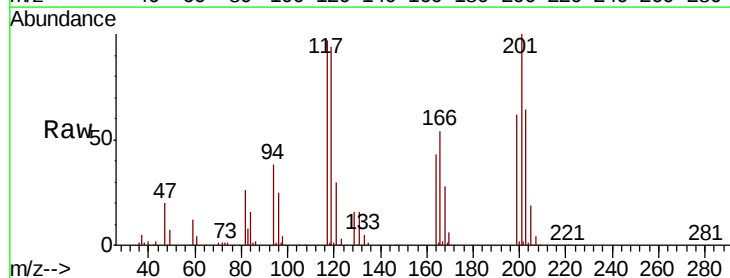
Manual Integrations  
APPROVED

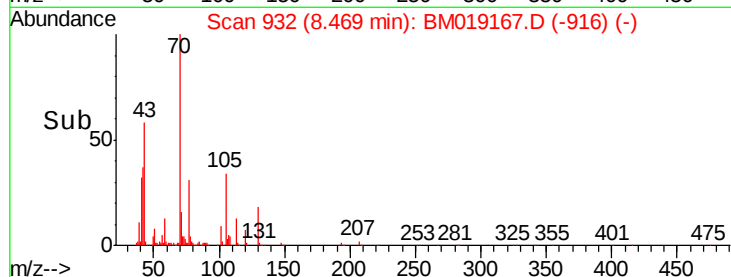
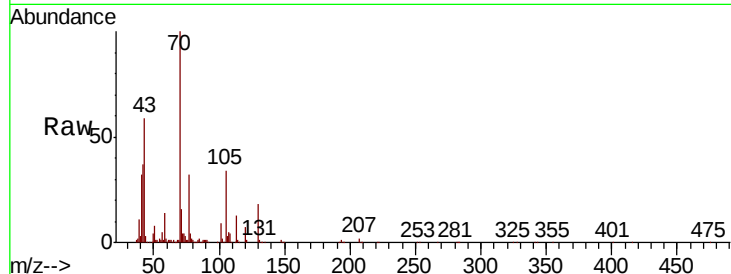
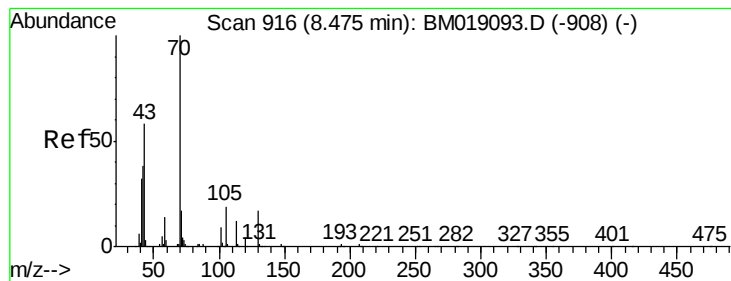
Sohil  
3/15/2019 5:51:08 PM



#18  
Hexachloroethane  
Concen: 37.139 ng  
RT: 8.72 min Scan# 974  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.1  | 77.4 | 116.2 |       |
| 201     | 103.1 | 75.2 | 112.8 |       |





#19

n-Nitroso-di-n-propylamine

Concen: 36.598 ng

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 445221  | 70  | 100   |       |       |
|         | 42  | 36.8  | 30.6  | 45.8  |
|         | 101 | 8.8   | 6.8   | 10.2  |
|         | 130 | 17.8  | 13.9  | 20.9  |

Instrument :

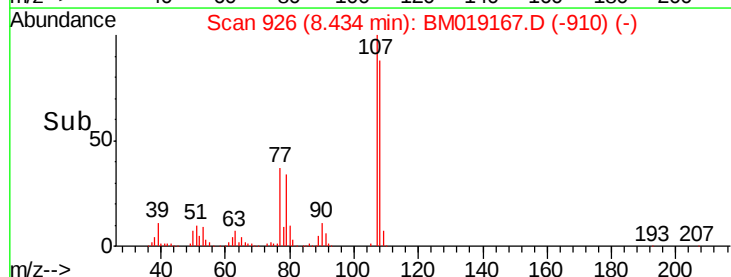
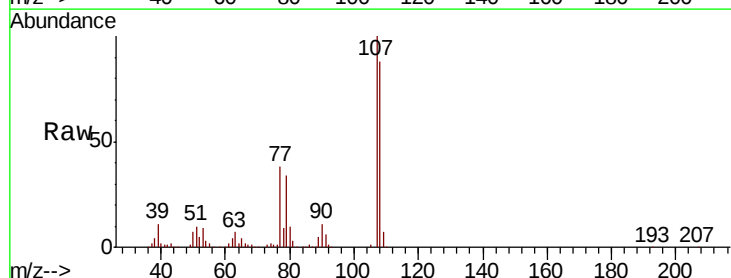
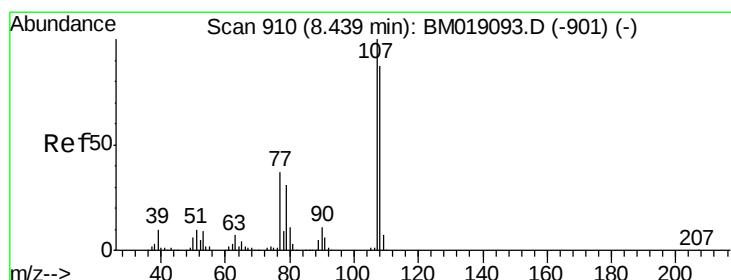
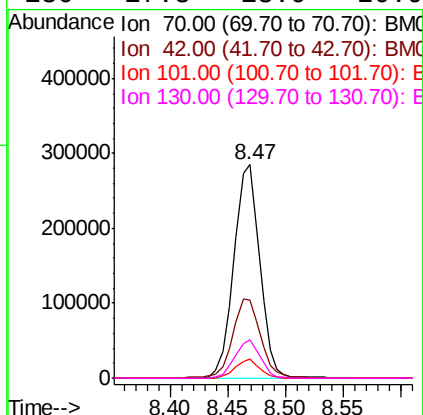
BNA\_M

ClientSampleId :

PB117903BS

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#20

3+4-Methylphenols

Concen: 43.820 ng

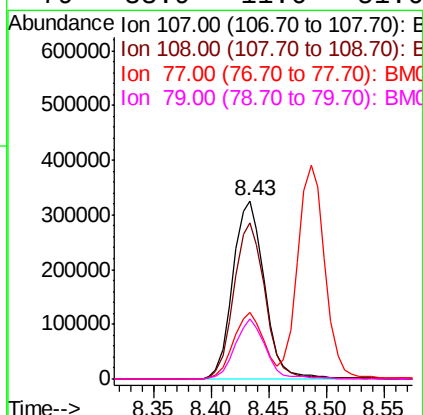
RT: 8.43 min Scan# 926

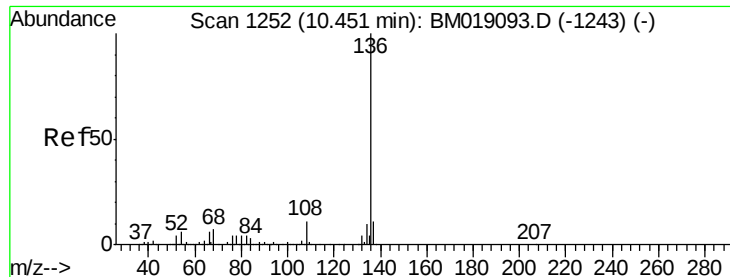
Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 619409  | 107 | 100   |       |       |
|         | 108 | 87.9  | 67.0  | 107.0 |
|         | 77  | 37.5  | 17.3  | 57.3  |
|         | 79  | 33.9  | 11.6  | 51.6  |





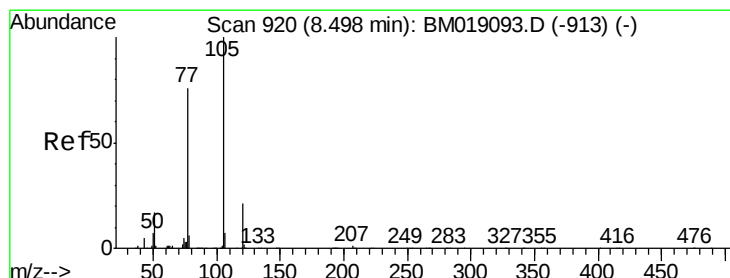
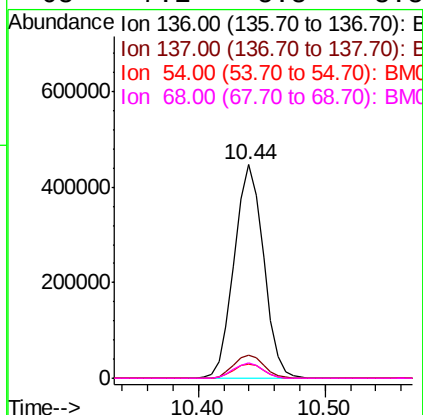
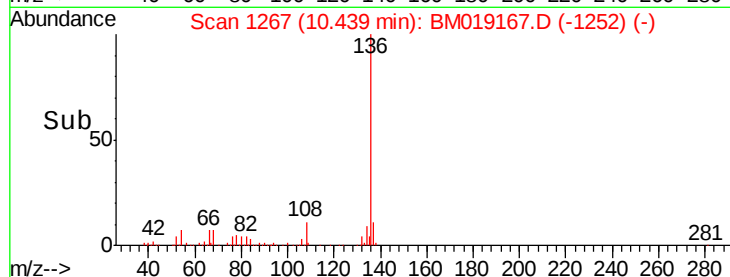
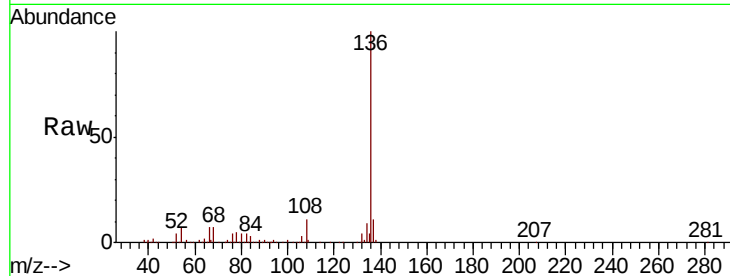
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.44 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 717314 |       |       |
| 137     | 10.7  | 8.6    | 13.0  |       |
| 54      | 6.7   | 5.2    | 7.8   |       |
| 68      | 7.1   | 5.8    | 8.8   |       |

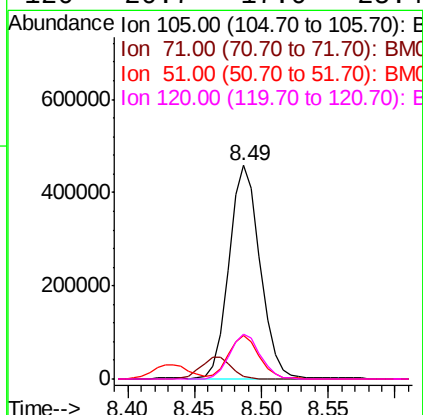
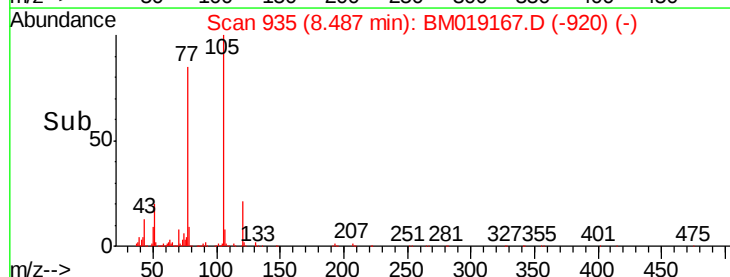
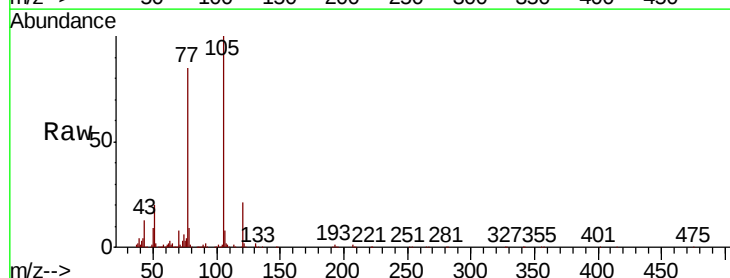
Manual Integrations  
APPROVED

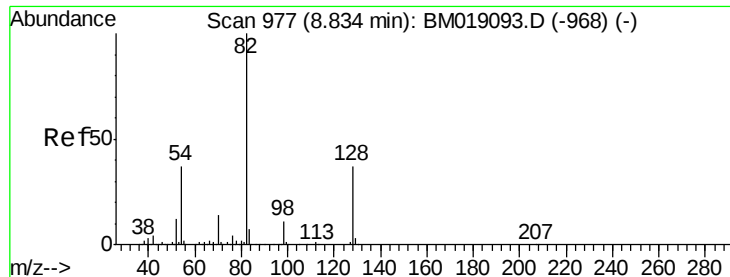
Sohil  
3/15/2019 5:51:08 PM



#22  
Acetophenone  
Concen: 37.181 ng  
RT: 8.49 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 737053 |       |       |
| 71      | 1.3   | 0.8    | 1.2#  |       |
| 51      | 20.4  | 15.8   | 23.6  |       |
| 120     | 20.7  | 17.0   | 25.4  |       |





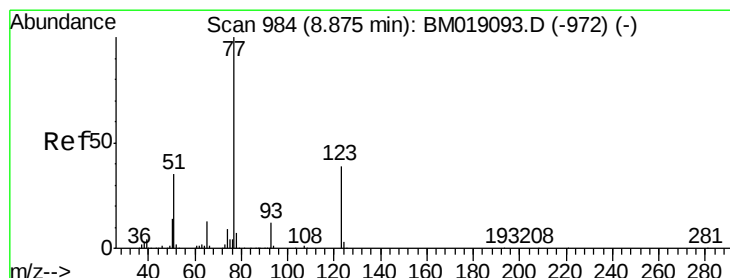
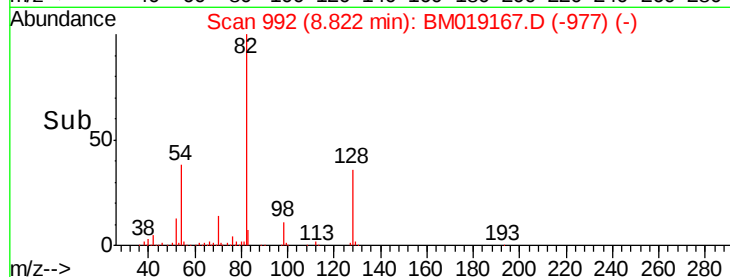
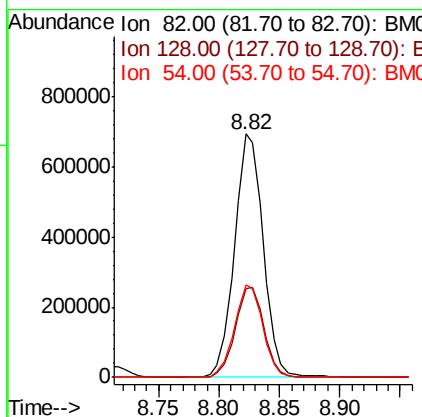
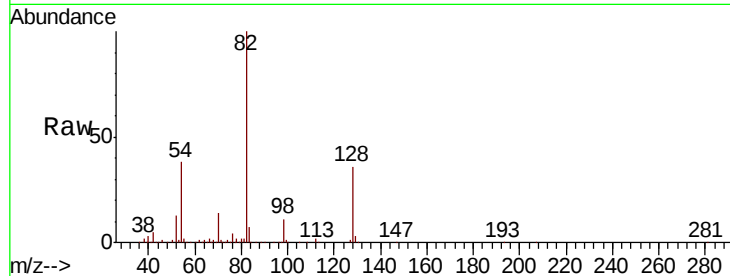
#23  
 Nitrobenzene-d5  
 Concen: 75.947 ng  
 RT: 8.82 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.2  | 29.4  | 44.2  |
| 54      | 38.0  | 29.9  | 44.9  |

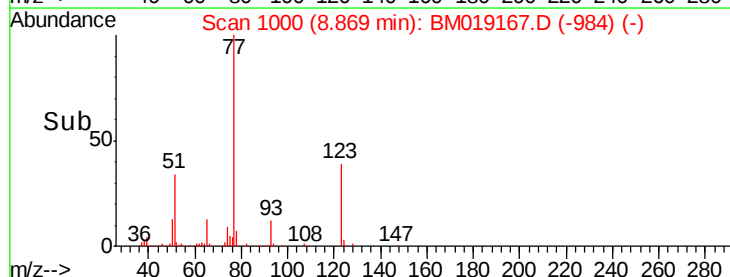
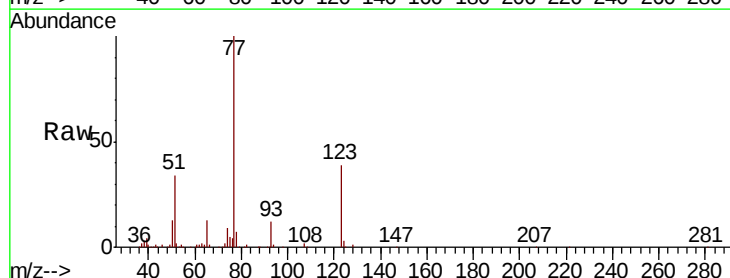
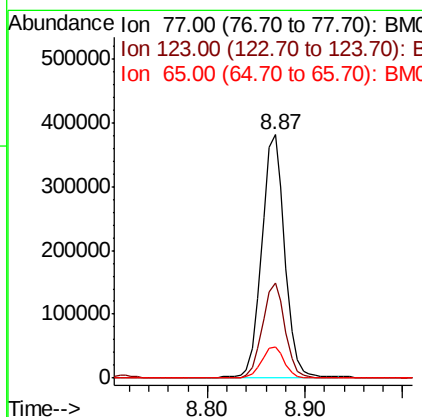
Manual Integrations  
 APPROVED

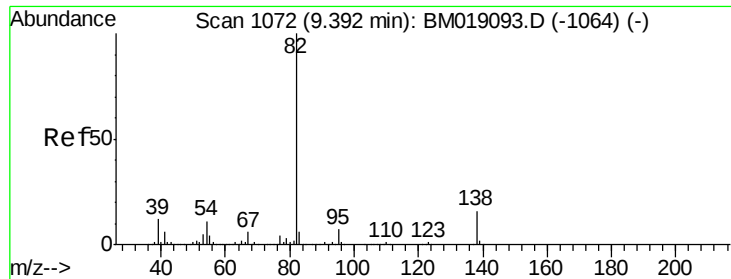
Sohil  
 3/15/2019 5:51:08 PM



#24  
 Nitrobenzene  
 Concen: 39.895 ng  
 RT: 8.87 min Scan# 1000  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 39.3  | 31.3  | 46.9  |
| 65      | 12.8  | 10.5  | 15.7  |





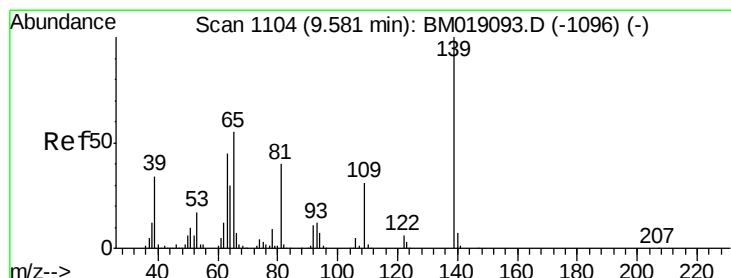
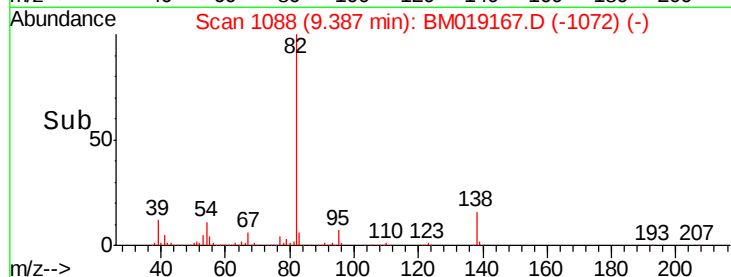
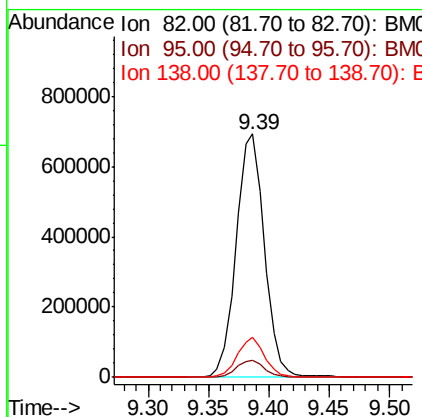
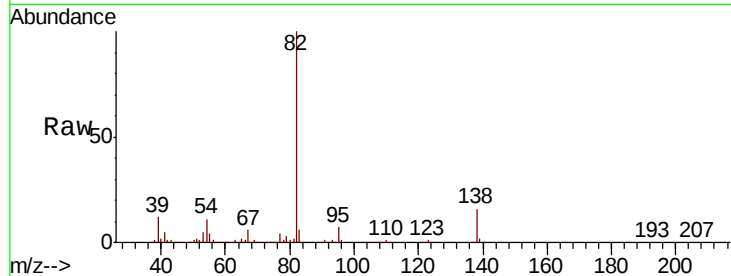
#25  
Isophorone  
Concen: 39.198 ng  
RT: 9.39 min Scan# 1088  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion   | 82   | Resp  | 1135006 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 82        | 100  |       |         |
| 95        | 7.0  | 5.4   | 8.2     |
| 138       | 16.3 | 12.6  | 18.8    |

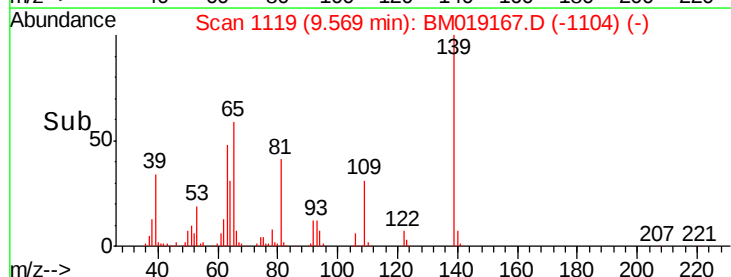
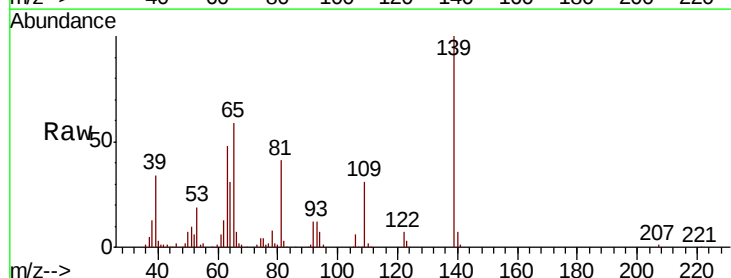
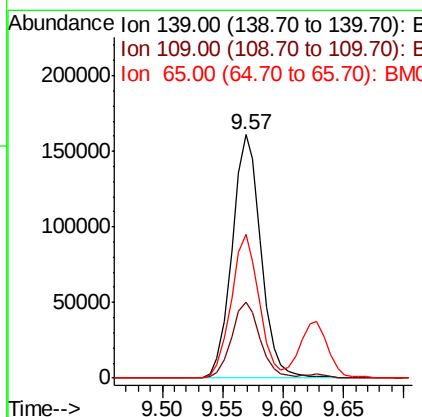
Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#26  
2-Nitrophenol  
Concen: 40.961 ng  
RT: 9.57 min Scan# 1119  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion   | 139  | Resp  | 267955 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 31.2 | 24.5  | 36.7   |
| 65        | 59.0 | 44.4  | 66.6   |





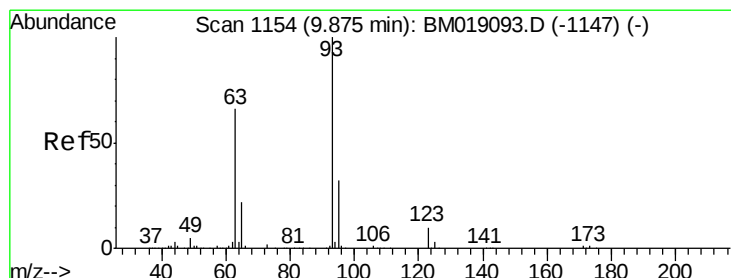
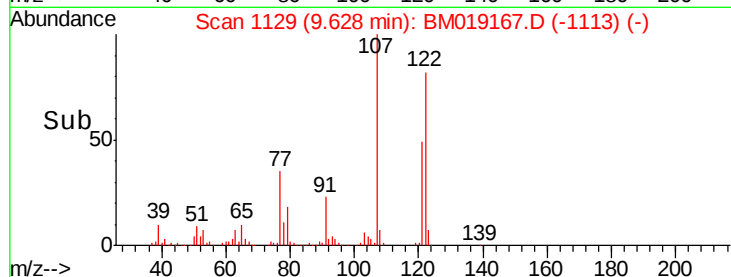
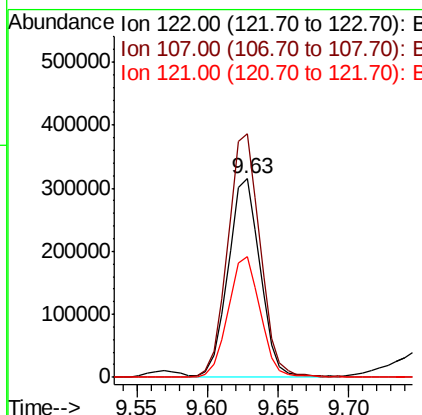
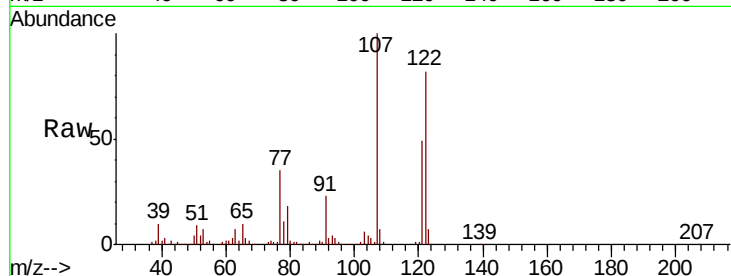
#27  
 2,4-Dimethylphenol  
 Concen: 50.870 ng  
 RT: 9.63 min Scan# 1129  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 494731 |       |       |
| 107     | 122.7 | 98.2   | 147.4 |       |
| 121     | 60.6  | 48.8   | 73.2  |       |

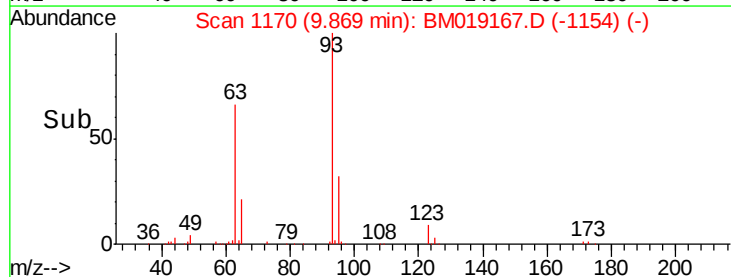
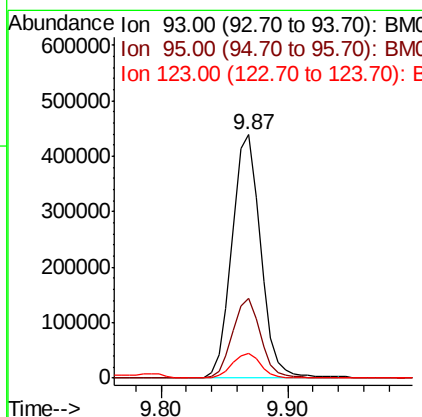
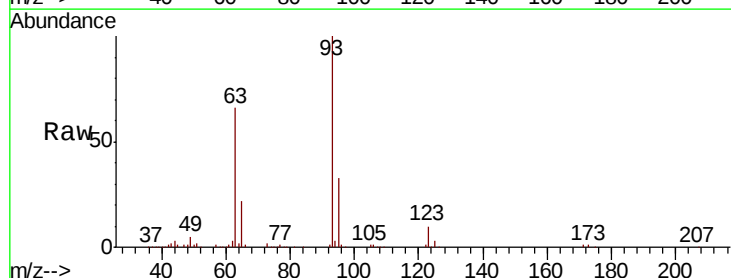
Manual Integrations  
 APPROVED

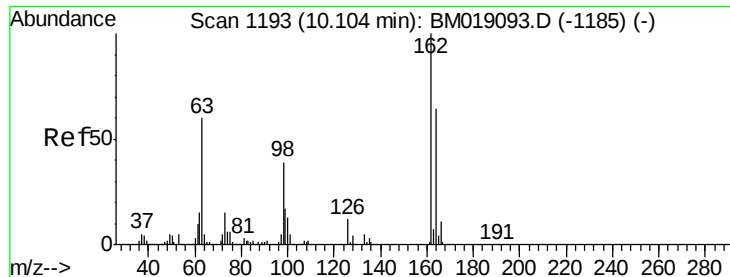
Sohil  
 3/15/2019 5:51:08 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.126 ng  
 RT: 9.87 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 687972 |       |       |
| 95      | 32.5  | 25.8   | 38.8  |       |
| 123     | 10.4  | 7.9    | 11.9  |       |





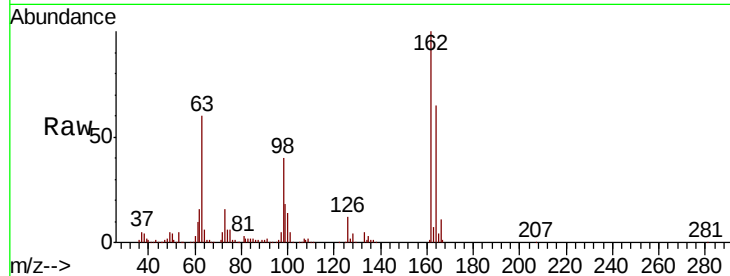
#29  
 2,4-Dichlorophenol  
 Concen: 46.319 ng  
 RT: 10.10 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 498899 |       |       |
| 164     | 65.2  | 43.5   | 83.5  |       |
| 98      | 40.4  | 19.1   | 59.1  |       |

Manual Integrations  
 APPROVED

Sohil  
 3/15/2019 5:51:08 PM

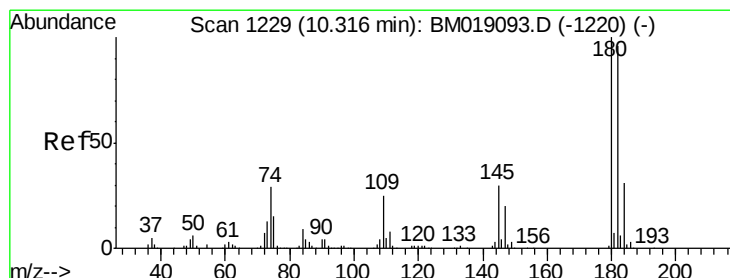
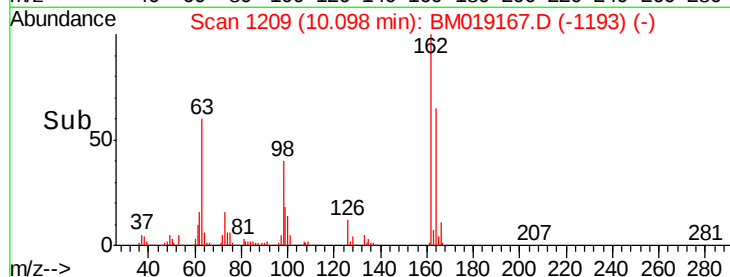
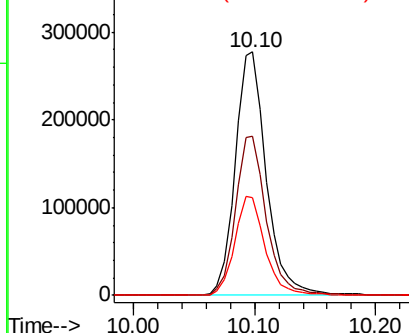


Abundance

Ion 162.00 (161.70 to 162.70): E

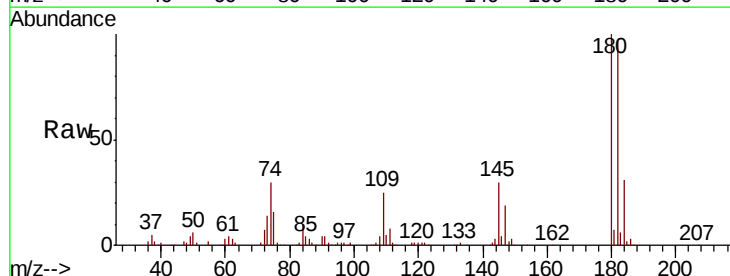
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.032 ng  
 RT: 10.30 min Scan# 1244  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 486197 |       |       |
| 182     | 97.5  | 76.6   | 114.8 |       |
| 145     | 29.9  | 24.3   | 36.5  |       |

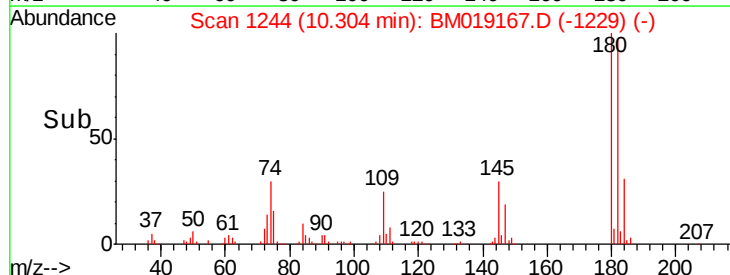
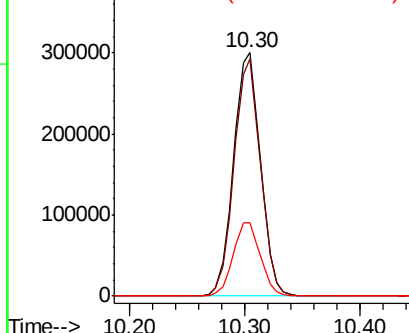


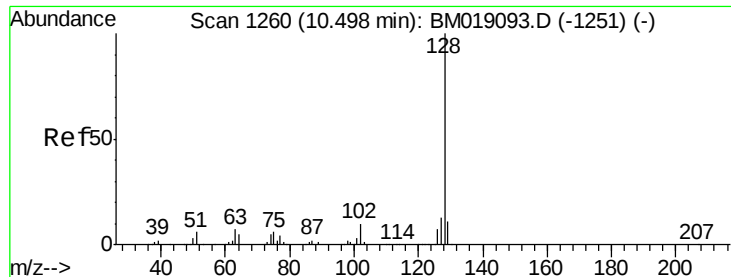
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





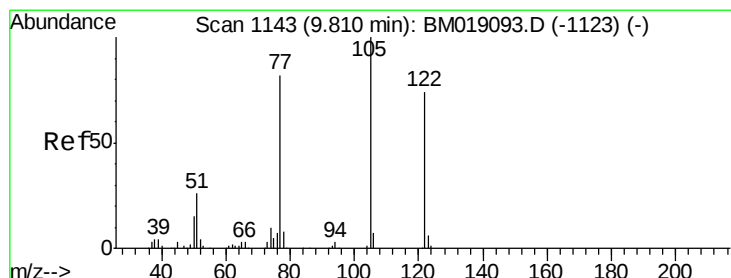
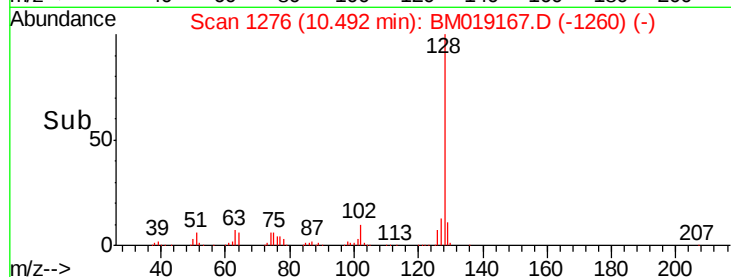
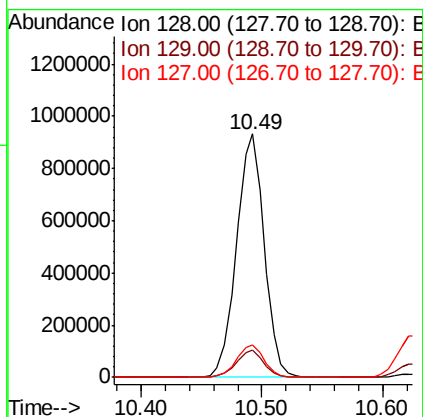
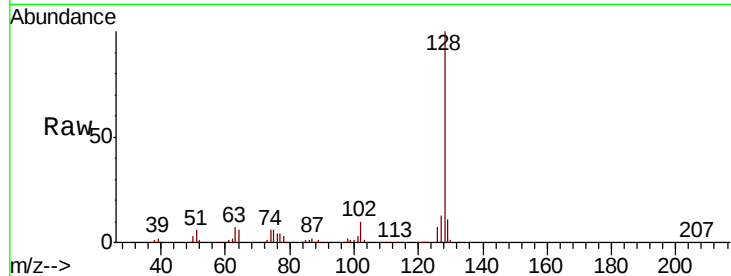
#31  
Naphthalene  
Concen: 39.513 ng  
RT: 10.49 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.0  | 8.6   | 13.0  |
| 127     | 13.1  | 10.4  | 15.6  |

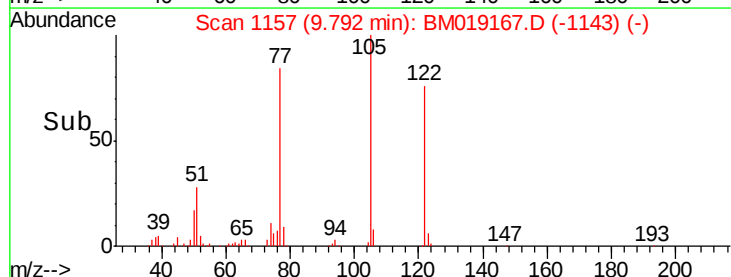
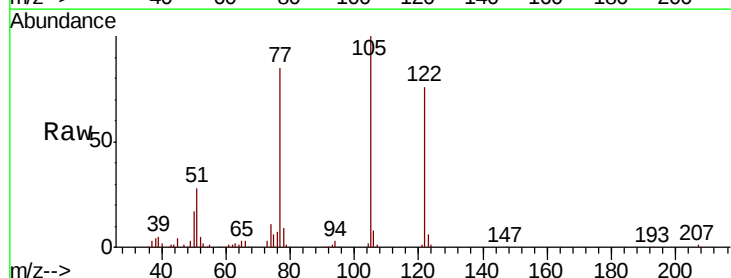
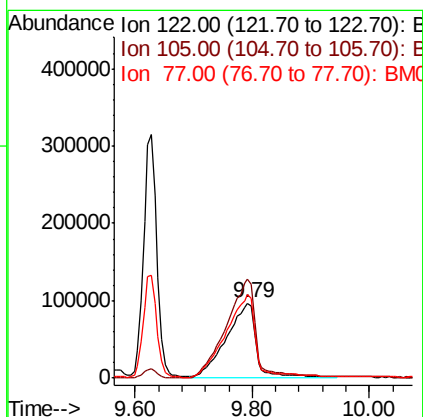
Manual Integrations  
APPROVED

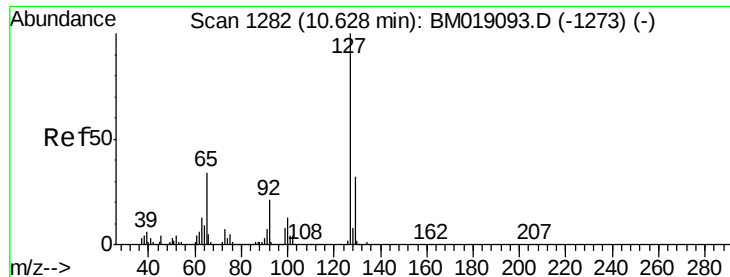
Sohil  
3/15/2019 5:51:08 PM



#32  
Benzoic acid  
Concen: 42.490 ng m  
RT: 9.79 min Scan# 1157  
Delta R.T. -0.02 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.7 | 113.0 | 153.0 |
| 77      | 111.5 | 90.1  | 130.1 |





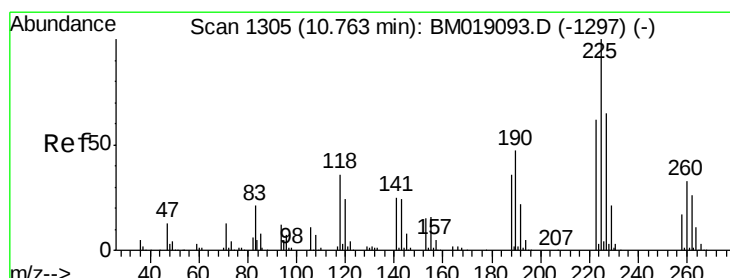
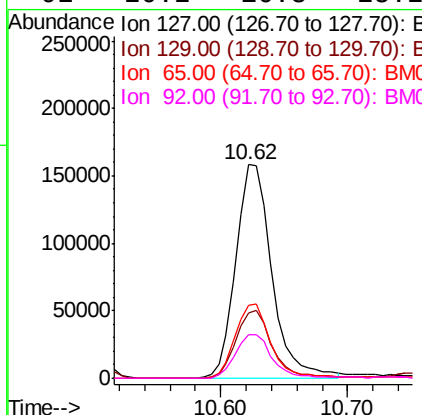
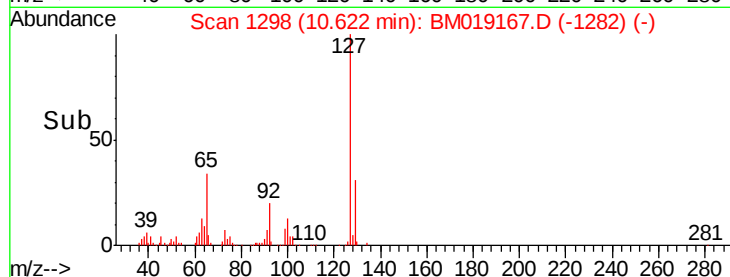
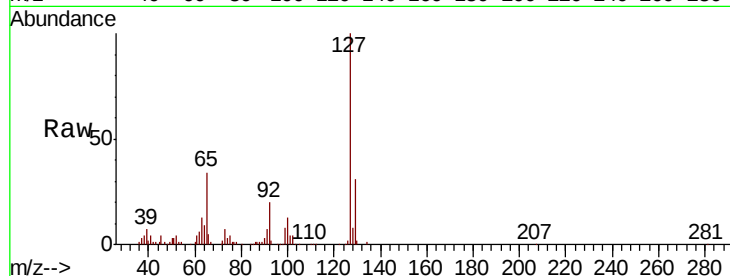
#33  
4-Chloroaniline  
Concen: 20.219 ng  
RT: 10.62 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampled :  
PB117903BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 30.8  | 25.3 | 37.9  |       |
| 65      | 34.3  | 27.4 | 41.2  |       |
| 92      | 20.2  | 16.8 | 25.2  |       |

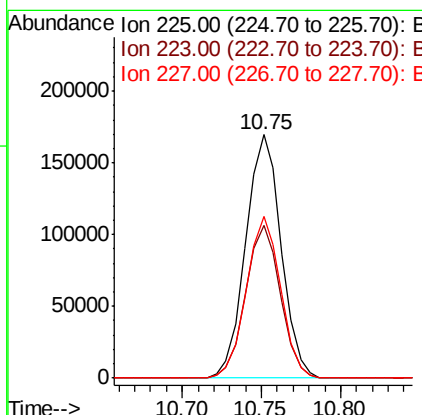
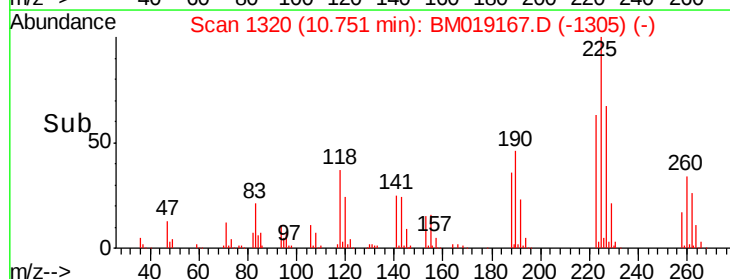
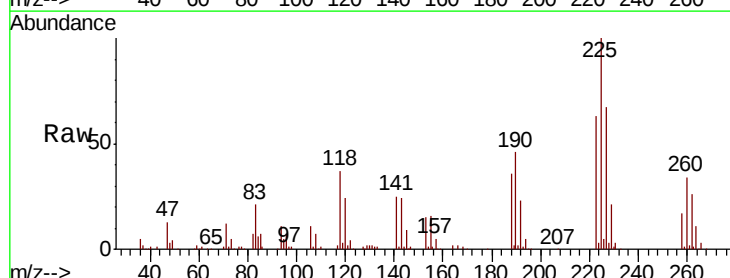
Manual Integrations  
APPROVED

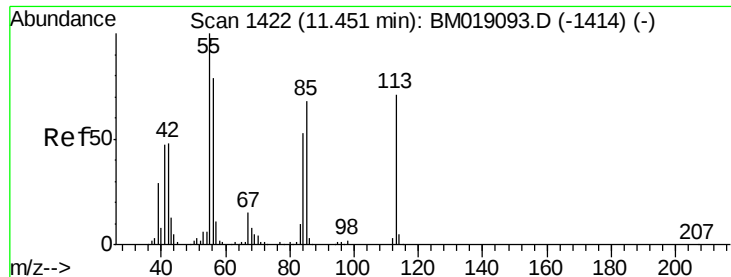
Sohil  
3/15/2019 5:51:08 PM



#34  
Hexachlorobutadiene  
Concen: 37.736 ng  
RT: 10.75 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.9  | 49.4 | 74.0  |       |
| 227     | 66.6  | 51.6 | 77.4  |       |





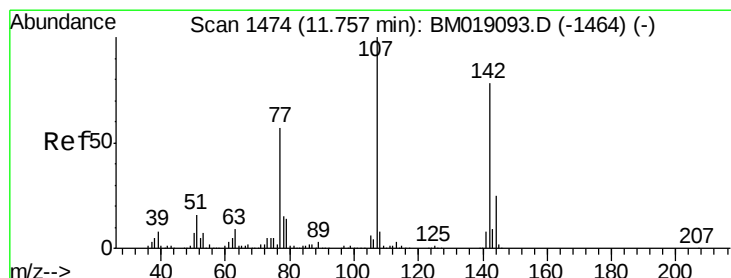
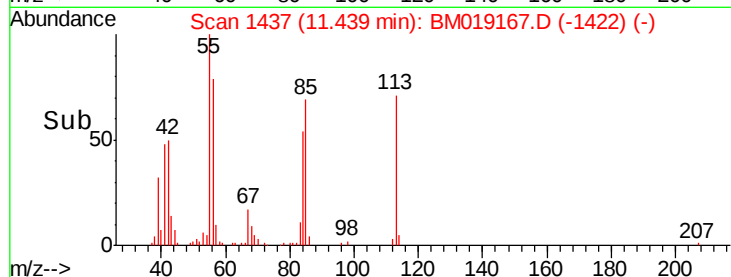
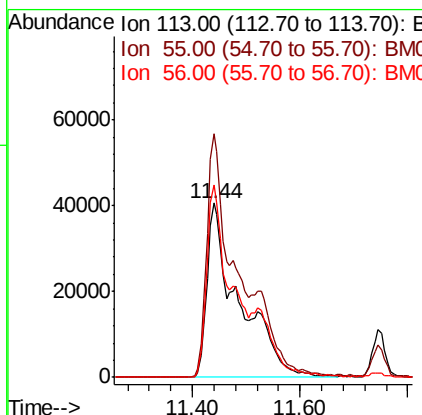
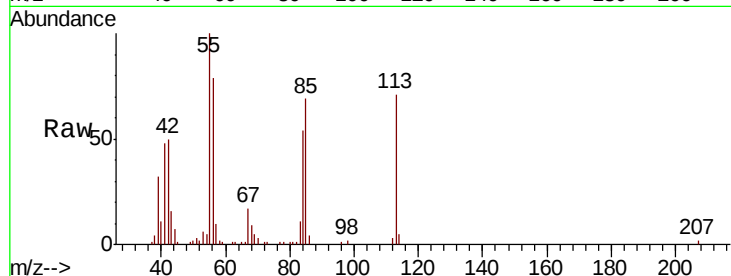
#35  
Caprolactam  
Concen: 43.553 ng/ml  
RT: 11.44 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 139.9 | 120.1 | 160.1 |
| 56      | 110.4 | 90.1  | 130.1 |

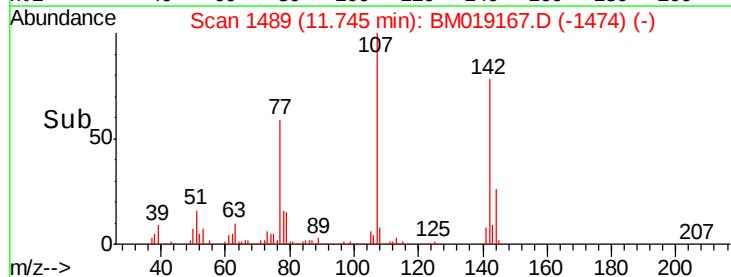
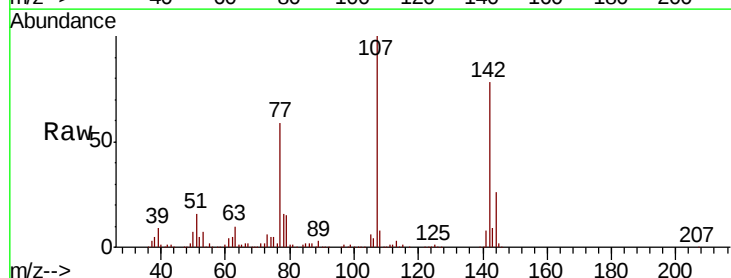
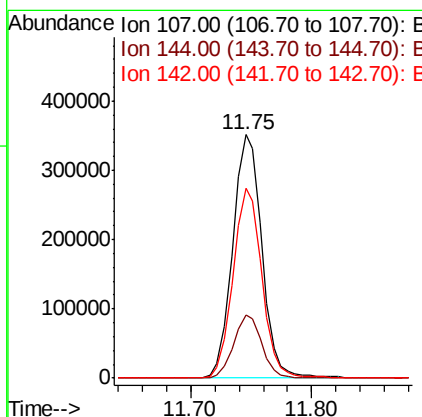
Manual Integrations  
APPROVED

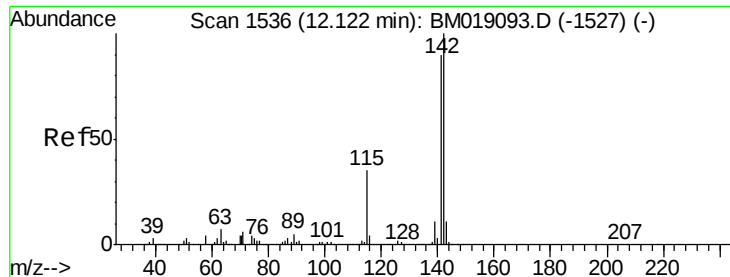
Sohil  
3/15/2019 5:51:08 PM



#36  
4-Chloro-3-methylphenol  
Concen: 44.516 ng/ml  
RT: 11.75 min Scan# 1489  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.8  | 20.2  | 30.4  |
| 142     | 78.0  | 62.4  | 93.6  |





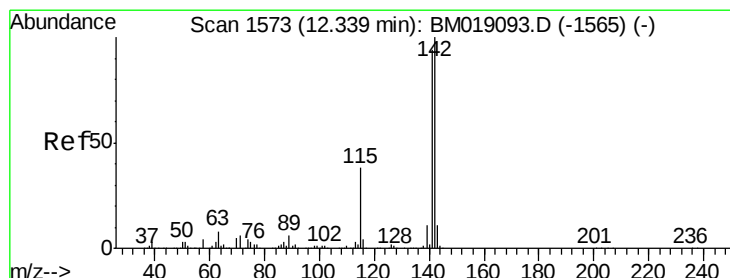
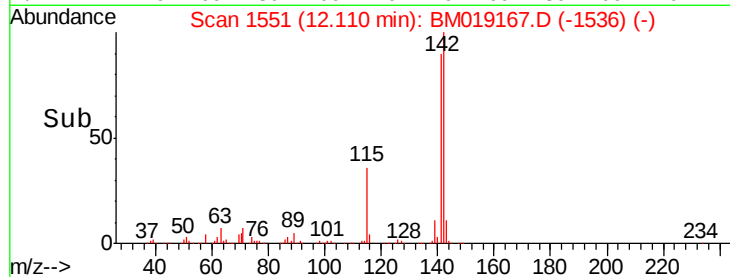
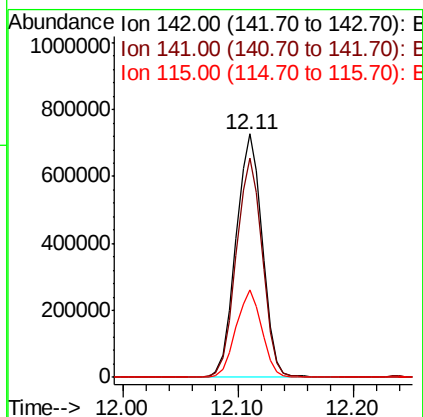
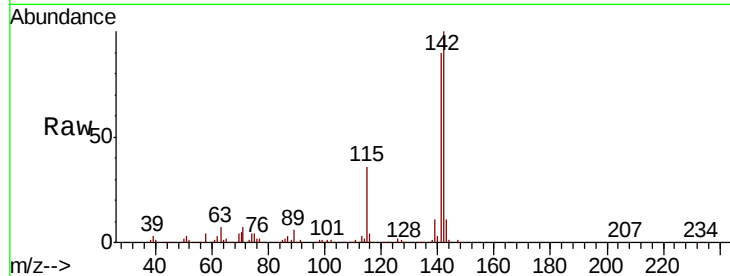
#37  
 2-Methylnaphthalene  
 Concen: 41.789 ng  
 RT: 12.11 min Scan# 1551  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.9  | 72.3  | 108.5 |
| 115     | 35.9  | 27.8  | 41.8  |

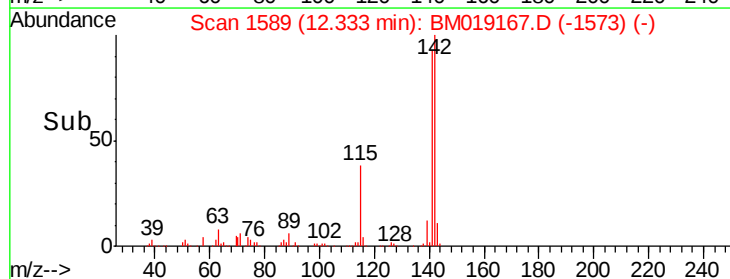
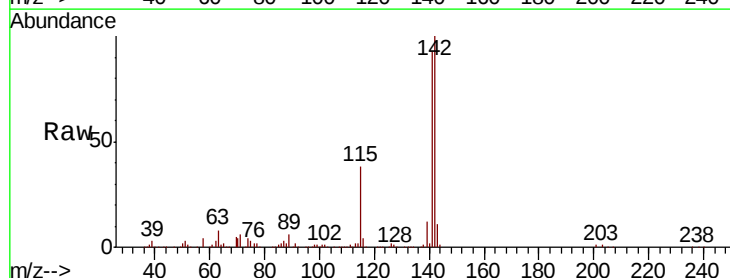
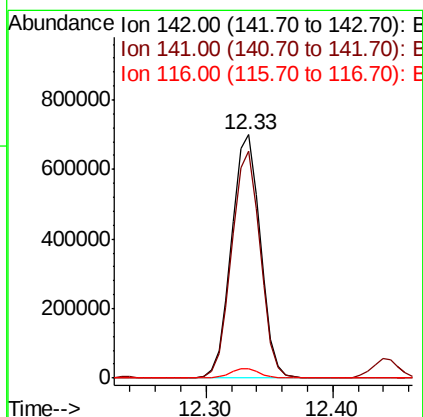
Manual Integrations  
 APPROVED

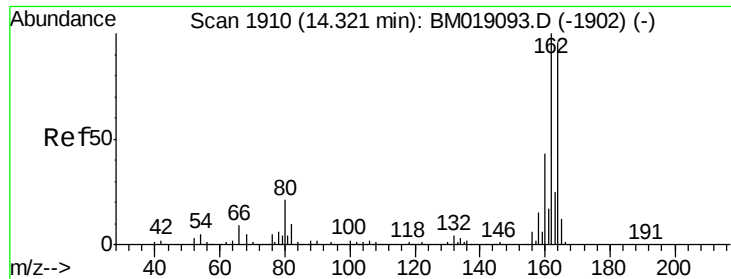
Sohil  
 3/15/2019 5:51:08 PM



#38  
 1-Methylnaphthalene  
 Concen: 40.488 ng  
 RT: 12.33 min Scan# 1589  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.2  | 74.9  | 112.3 |
| 116     | 4.0   | 3.2   | 4.8   |





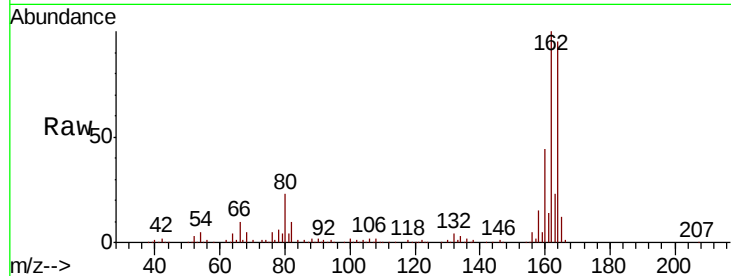
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.31 min Scan# 1925  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.8 | 83.5  | 125.3 |
| 160     | 45.7  | 36.3  | 54.5  |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM

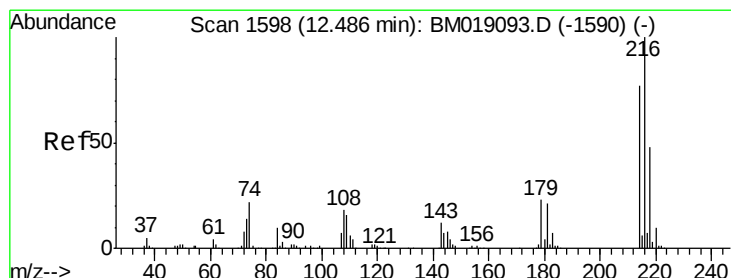
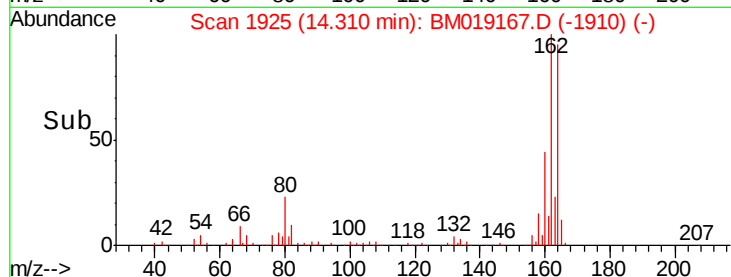
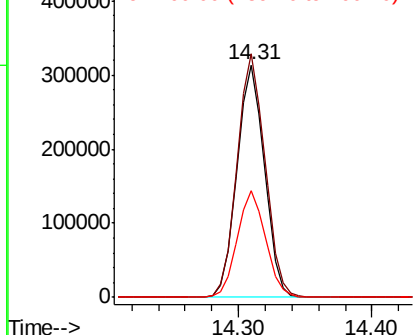


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.192 ng  
RT: 12.48 min Scan# 1614  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.4  | 62.9  | 94.3  |
| 179     | 22.5  | 18.0  | 27.0  |
| 108     | 18.9  | 16.2  | 24.4  |

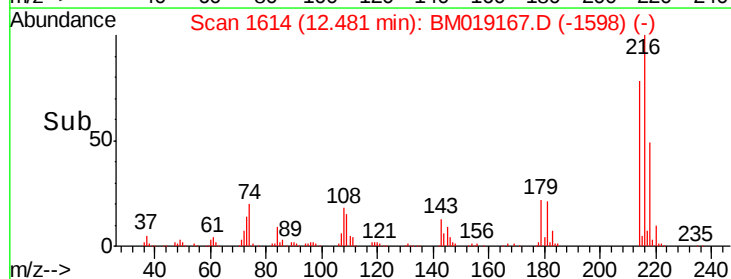
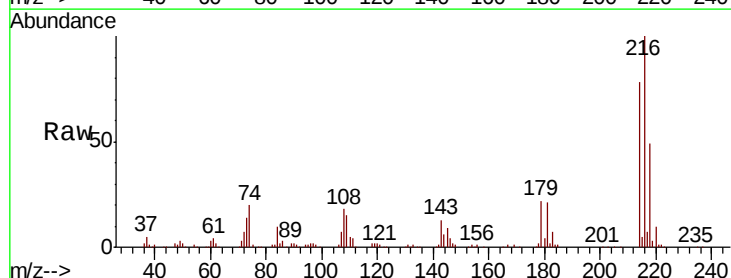
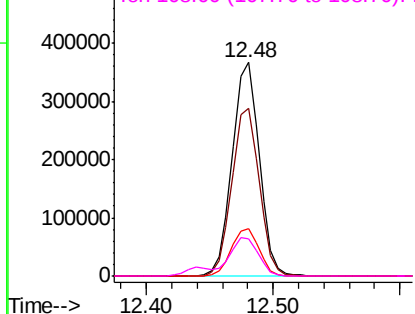
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 96.185 ng

RT: 12.45 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

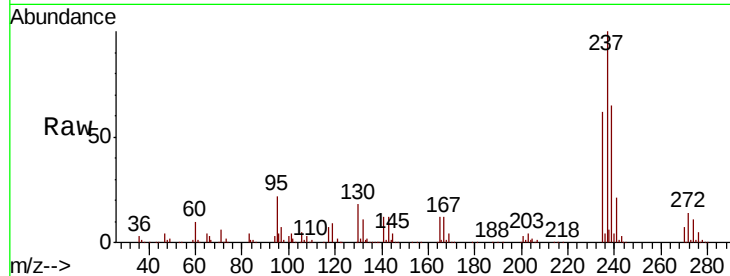
ClientSampled :

PB117903BS

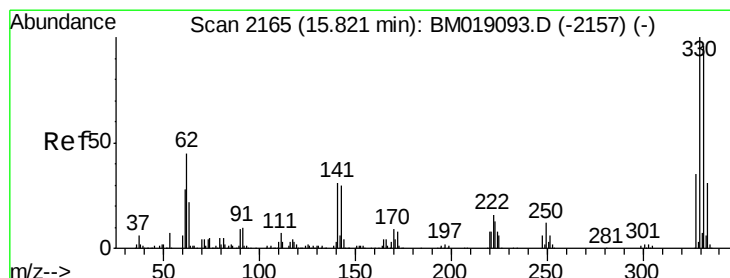
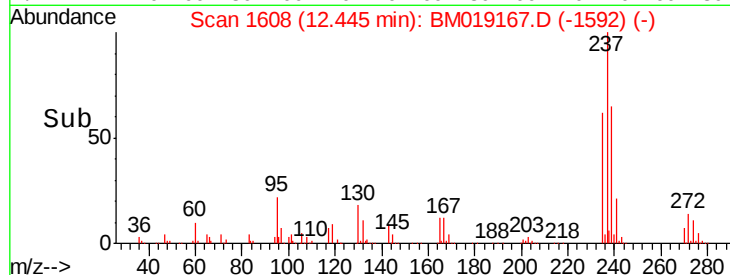
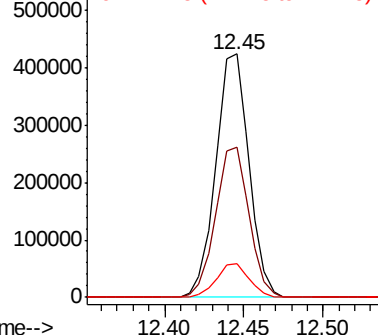
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 617588 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.7  | 41.3  | 81.3   |
| 272       | 14.1  | 0.0   | 33.1   |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 139.293 ng

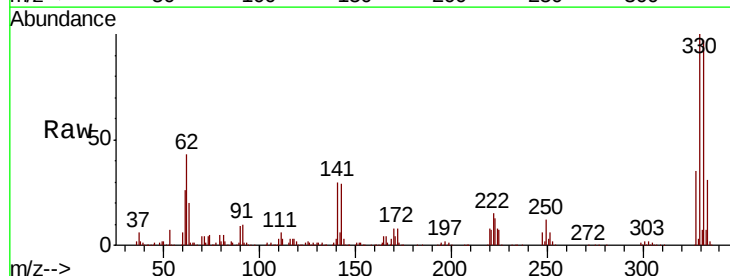
RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

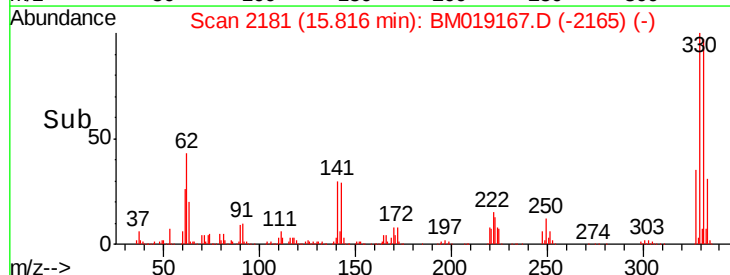
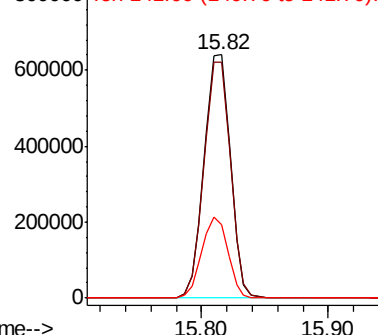
Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 921608 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.3  | 76.8  | 115.2  |
| 141       | 33.1  | 27.0  | 40.4   |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





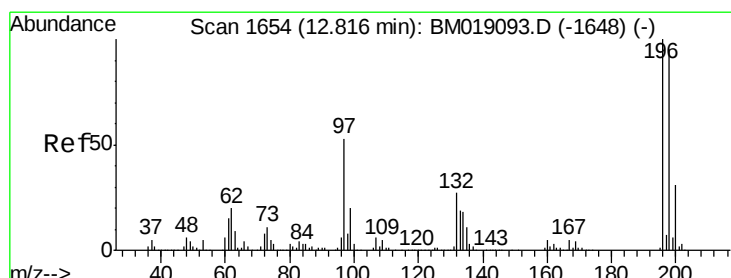
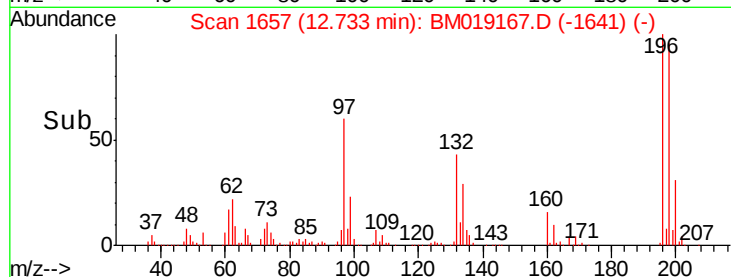
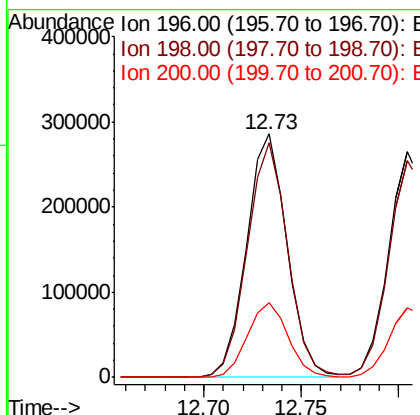
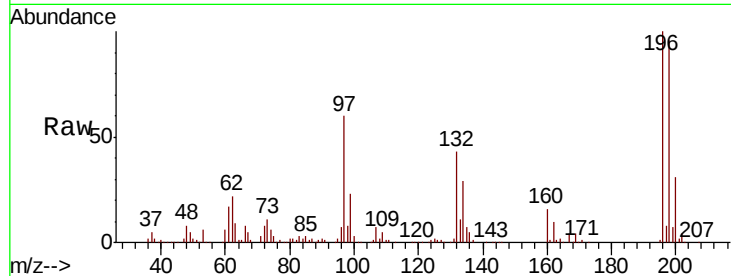
#43  
 2,4,6-Trichlorophenol  
 Concen: 44.840 ng  
 RT: 12.73 min Scan# 1657  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 410759 |       |       |
| 198     | 96.4  | 75.4   | 113.0 |       |
| 200     | 30.6  | 24.2   | 36.2  |       |

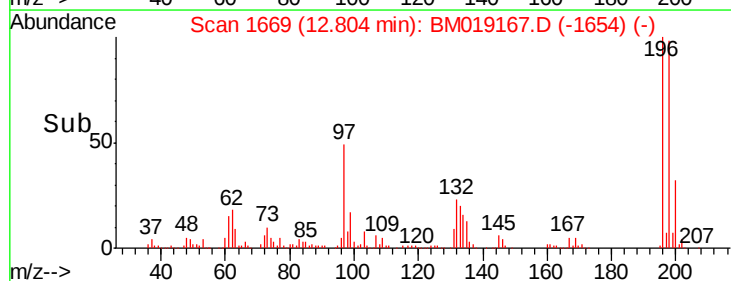
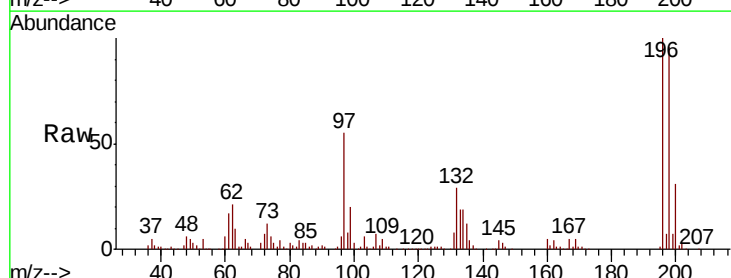
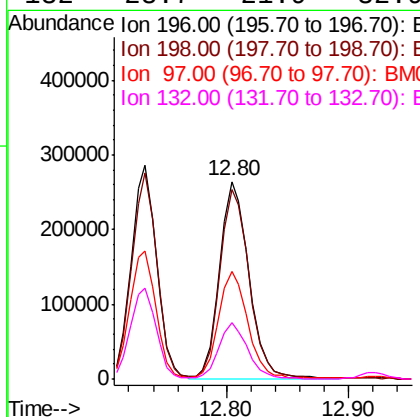
Manual Integrations  
 APPROVED

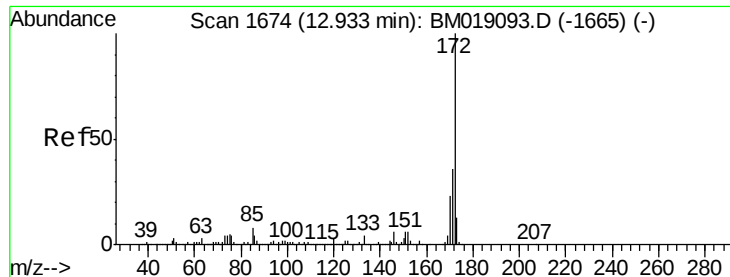
Sohil  
 3/15/2019 5:51:08 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 45.479 ng m  
 RT: 12.80 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 445496 |       |       |
| 198     | 96.1  | 75.9   | 113.9 |       |
| 97      | 54.6  | 42.5   | 63.7  |       |
| 132     | 28.7  | 21.9   | 32.9  |       |





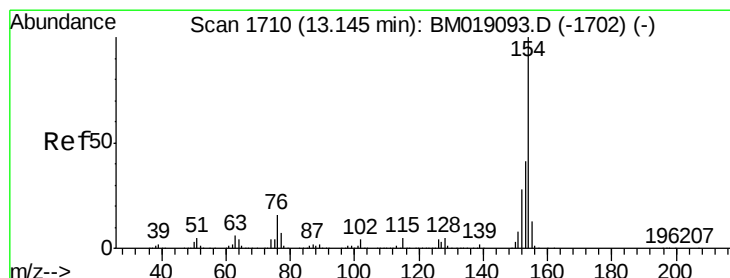
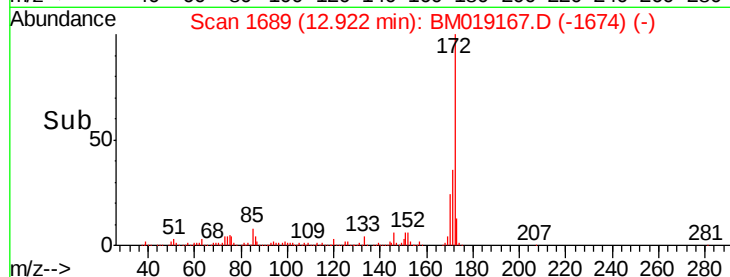
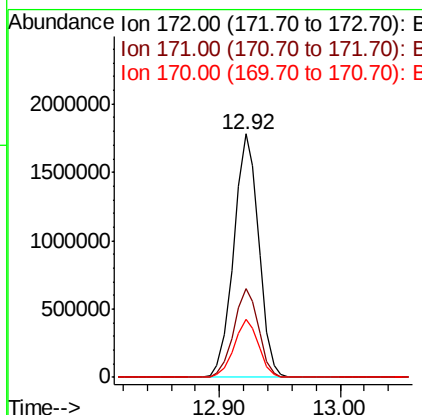
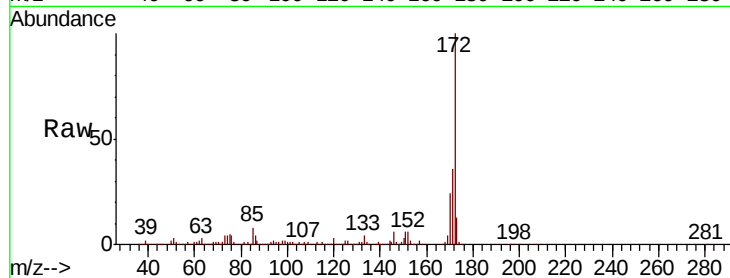
#45  
2-Fluorobiphenyl  
Concen: 74.540 ng  
RT: 12.92 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 28.6  | 42.8  |
| 170     | 23.6  | 18.6  | 28.0  |

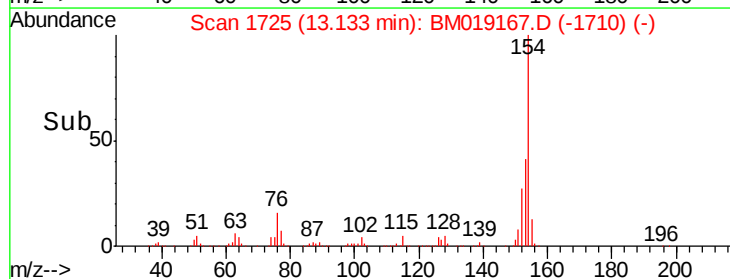
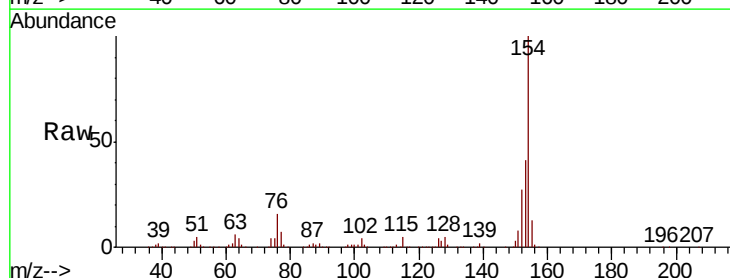
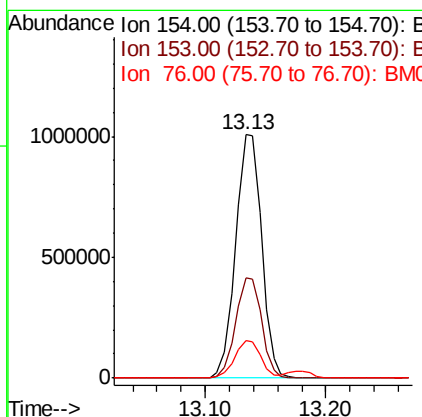
Manual Integrations  
APPROVED

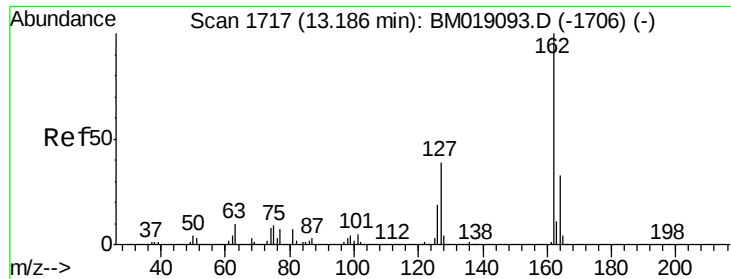
Sohil  
3/15/2019 5:51:08 PM



#46  
1,1'-Biphenyl  
Concen: 38.822 ng  
RT: 13.13 min Scan# 1725  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.1  | 21.5  | 61.5  |
| 76      | 15.5  | 0.0   | 35.8  |





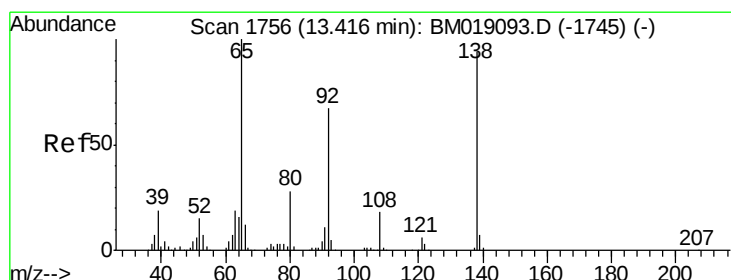
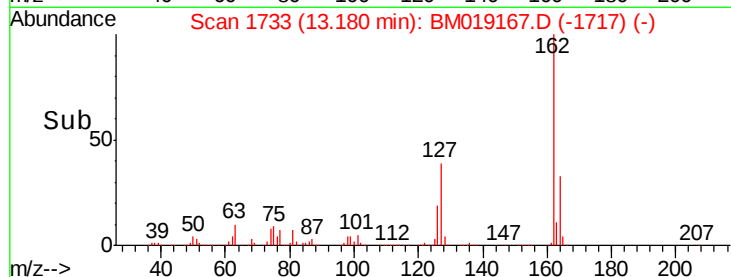
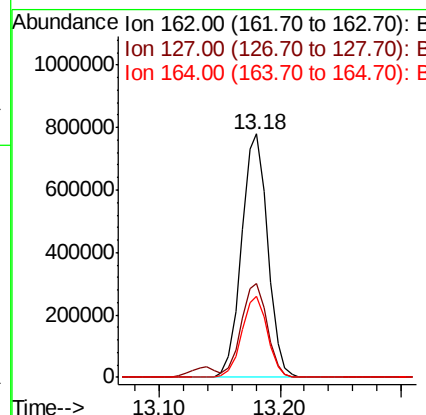
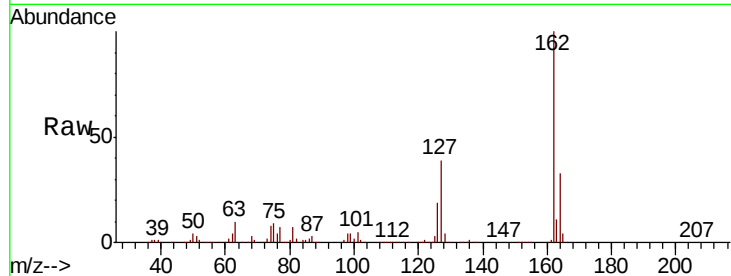
#47  
 2-Chloronaphthalene  
 Concen: 40.291 ng  
 RT: 13.18 min Scan# 1733  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampled :  
 PB117903BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 162   | Resp: | 1176954 |
| Ion      | Ratio | Lower | Upper   |
| 162      | 100   |       |         |
| 127      | 38.7  | 31.2  | 46.8    |
| 164      | 33.1  | 26.3  | 39.5    |

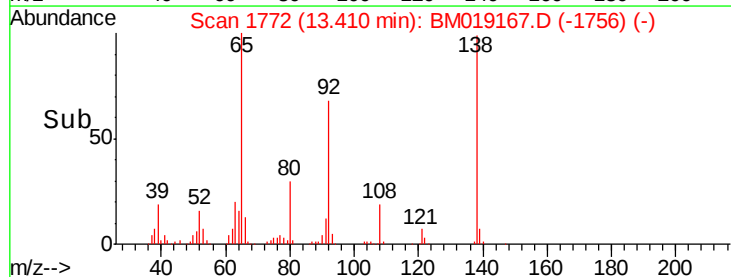
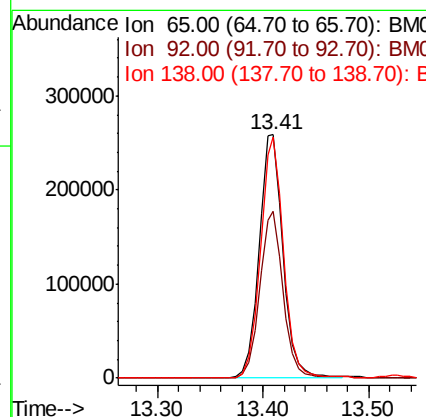
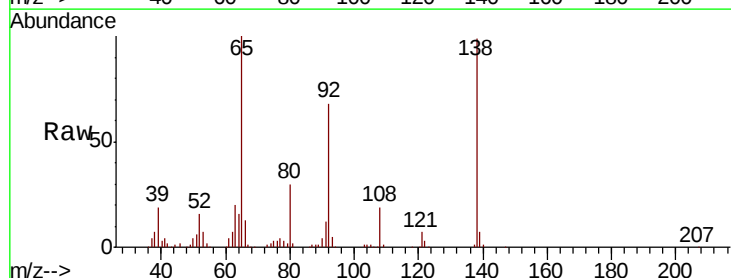
Manual Integrations  
 APPROVED

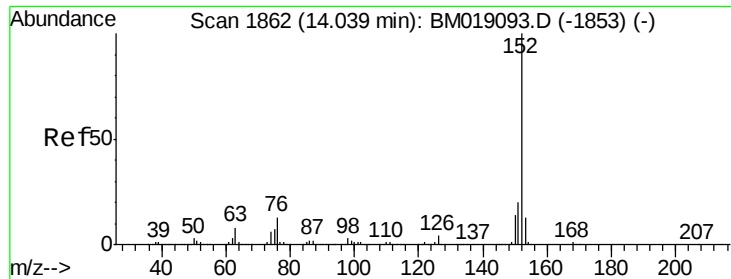
Sohil  
 3/15/2019 5:51:08 PM



#48  
 2-Nitroaniline  
 Concen: 41.818 ng  
 RT: 13.41 min Scan# 1772  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 409685 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 68.5  | 53.4  | 80.2   |
| 138      | 98.8  | 74.9  | 112.3  |





#49

Acenaphthylene

Concen: 39.497 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

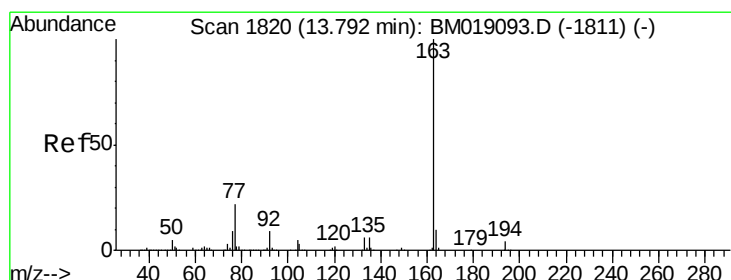
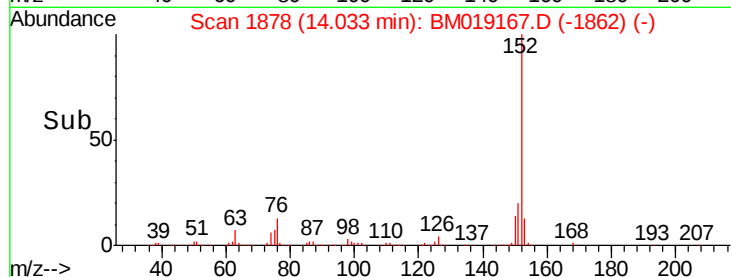
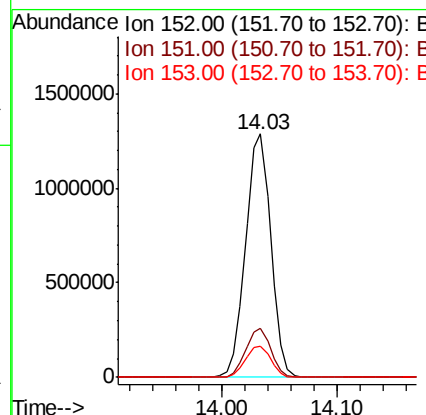
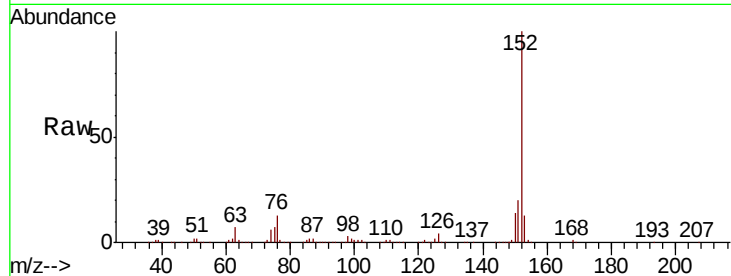
ClientSampleId :

PB117903BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 1950867 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 20.2  | 16.2  | 24.2    |
| 153      | 12.9  | 10.6  | 15.8    |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#50

Dimethylphthalate

Concen: 40.421 ng

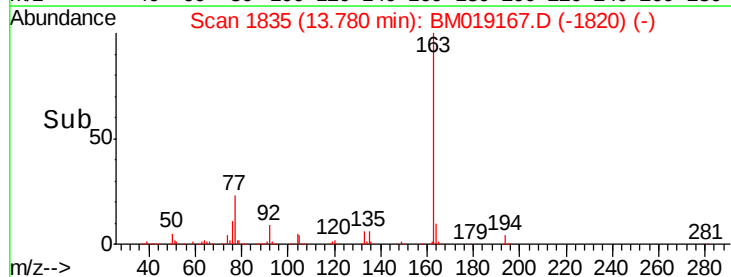
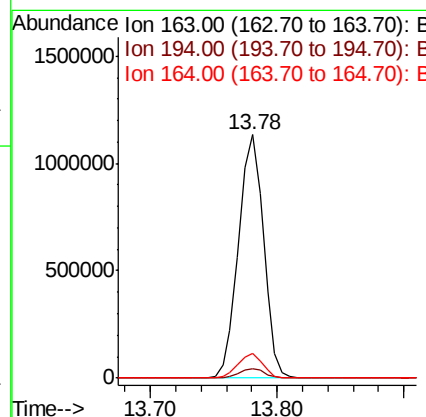
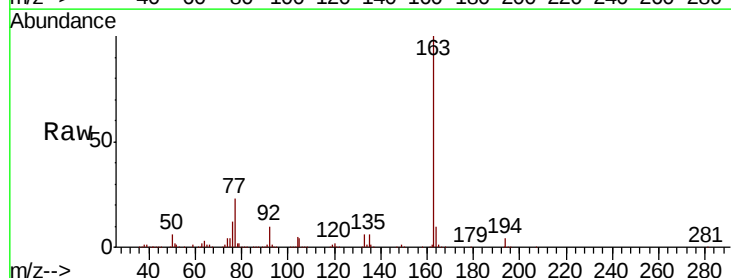
RT: 13.78 min Scan# 1835

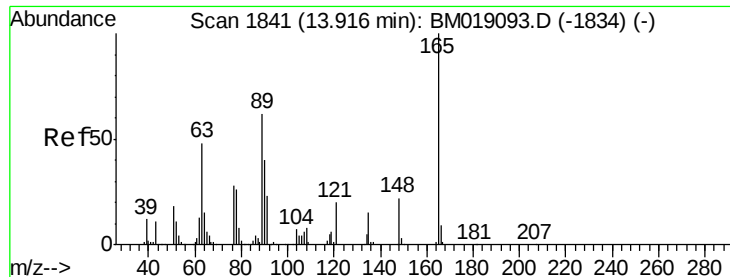
Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 1549512 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.0   | 3.3   | 4.9     |
| 164      | 10.1  | 7.7   | 11.5    |





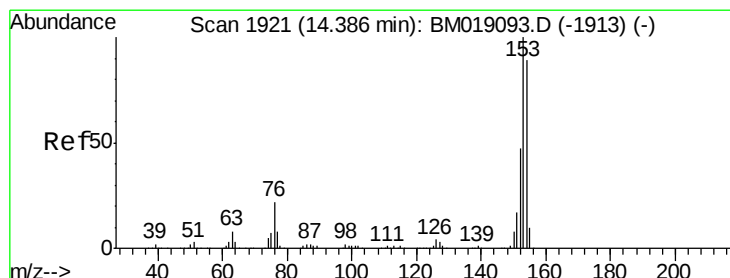
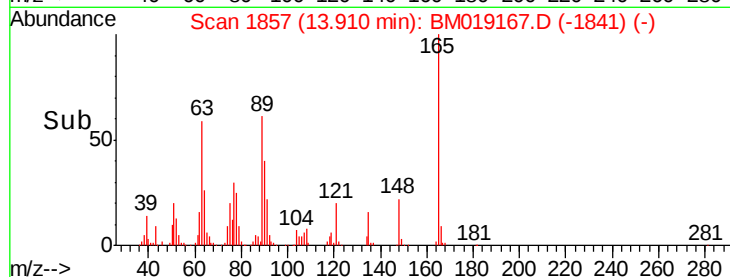
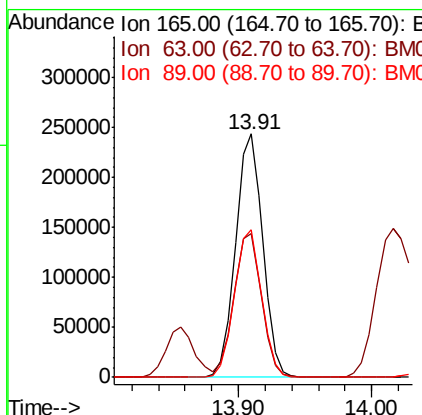
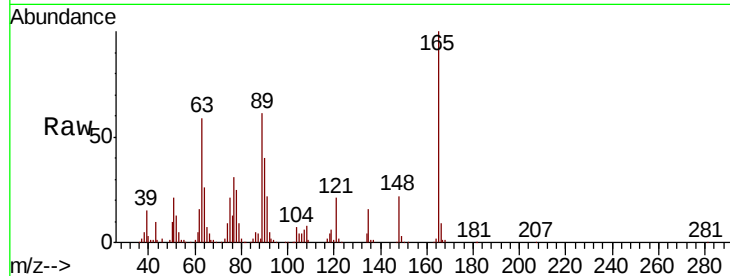
#51  
2,6-Dinitrotoluene  
Concen: 41.487 ng  
RT: 13.91 min Scan# 1857  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 59.0  | 48.2  | 72.4  |
| 89      | 60.8  | 49.3  | 73.9  |

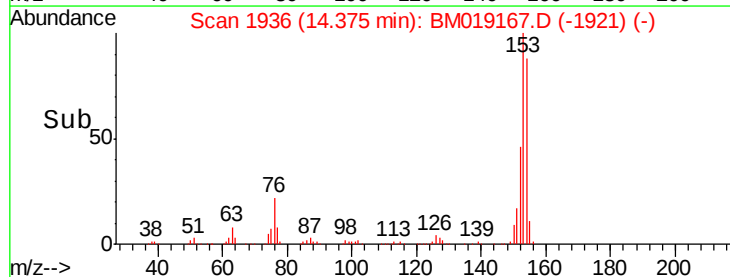
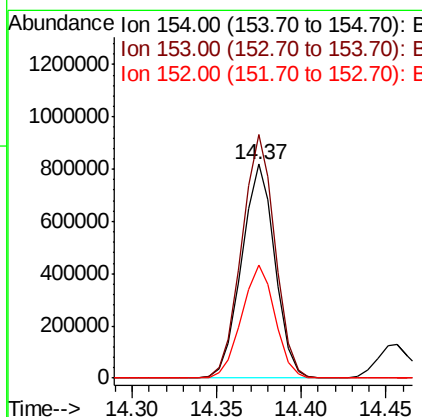
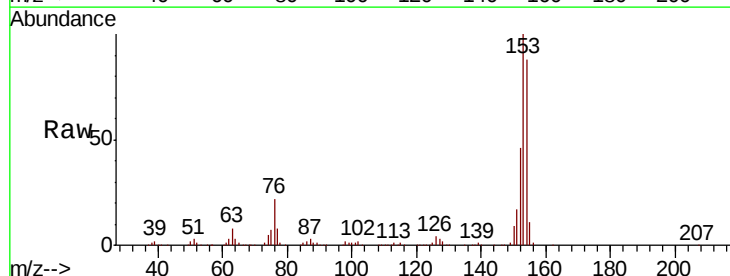
Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#52  
Acenaphthene  
Concen: 39.656 ng  
RT: 14.37 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.8 | 90.1  | 135.1 |
| 152     | 52.8  | 42.5  | 63.7  |





#53

3-Nitroaniline

Concen: 25.520 ng

RT: 14.25 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

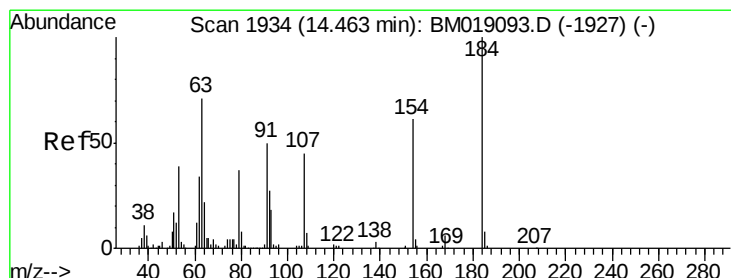
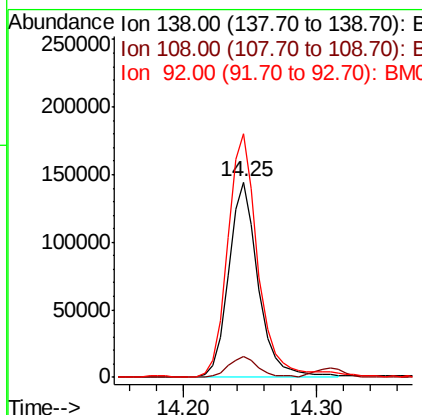
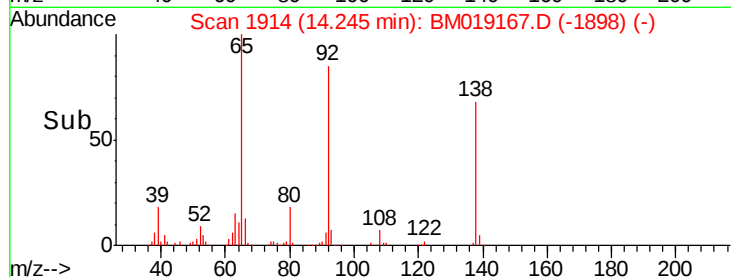
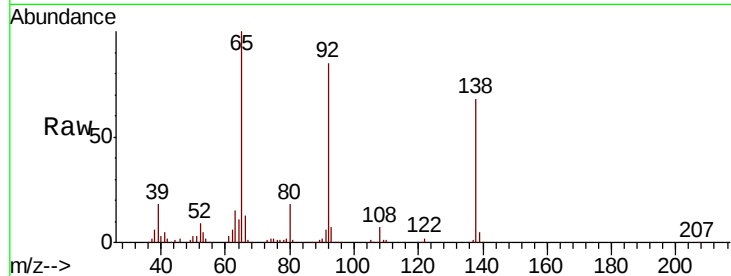
ClientSampleId :

PB117903BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 223985 |       |       |
| 108     | 10.5  | 9.0    | 13.4  |       |
| 92      | 124.5 | 102.6  | 153.8 |       |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#54

2,4-Dinitrophenol

Concen: 65.081 ng

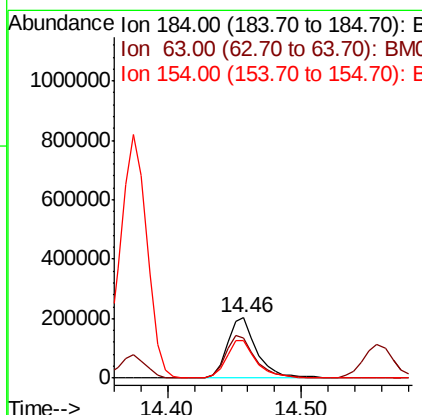
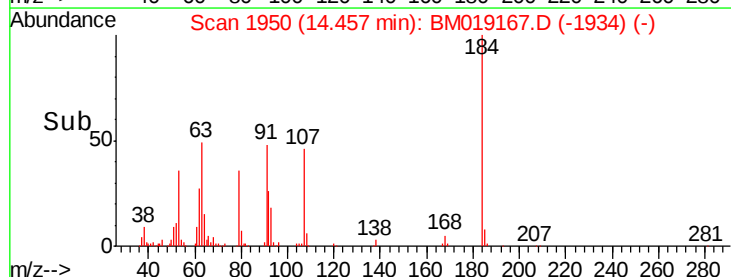
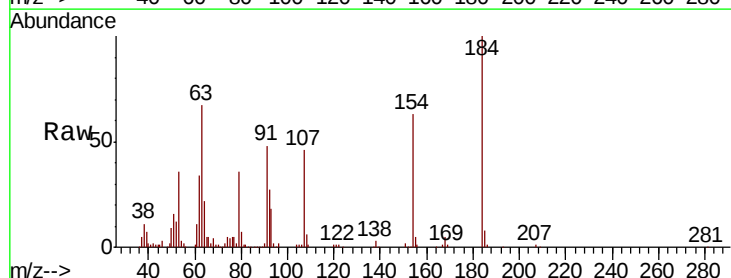
RT: 14.46 min Scan# 1950

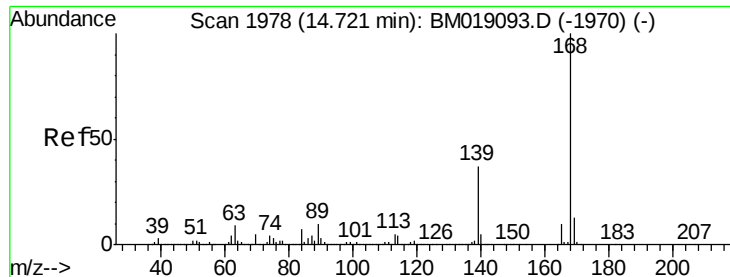
Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 313205 |       |       |
| 63      | 67.3  | 56.7   | 85.1  |       |
| 154     | 63.2  | 49.3   | 73.9  |       |





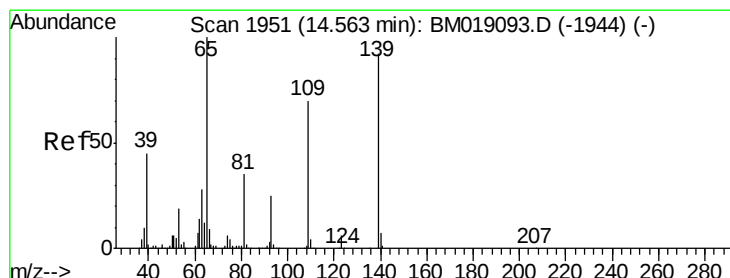
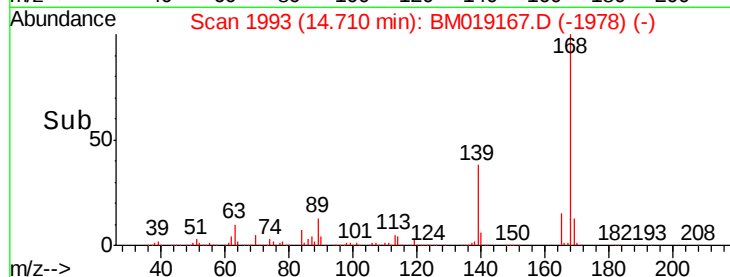
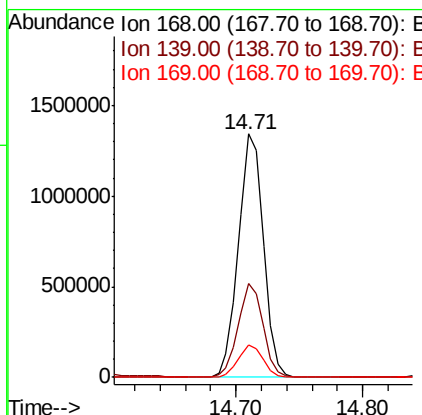
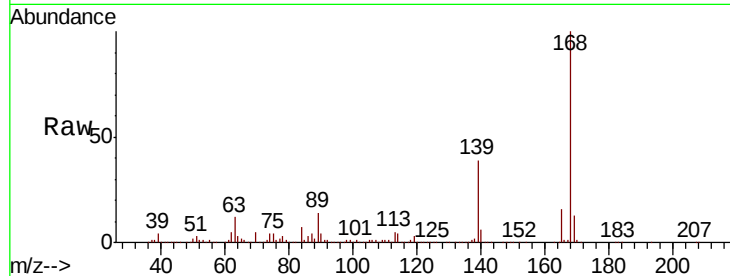
#55  
Dibenzofuran  
Concen: 39.976 ng  
RT: 14.71 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.6  | 30.1  | 45.1  |
| 169     | 13.5  | 10.6  | 16.0  |

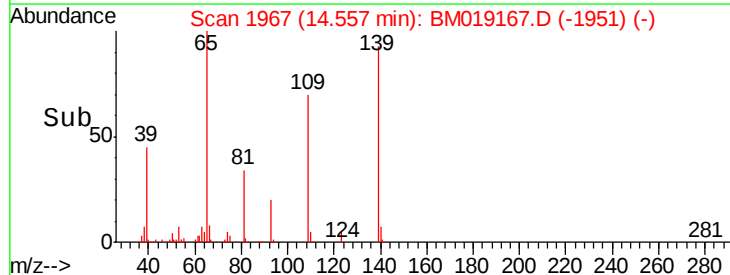
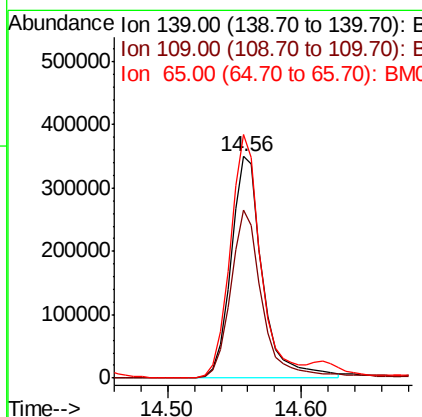
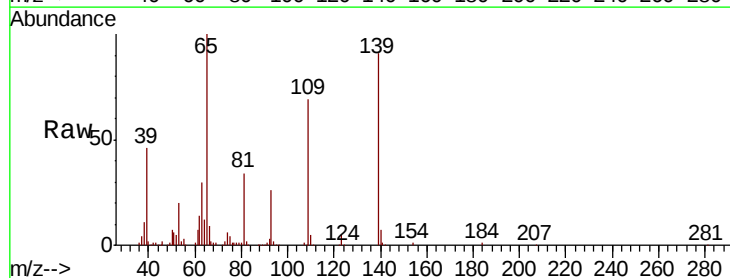
Manual Integrations  
APPROVED

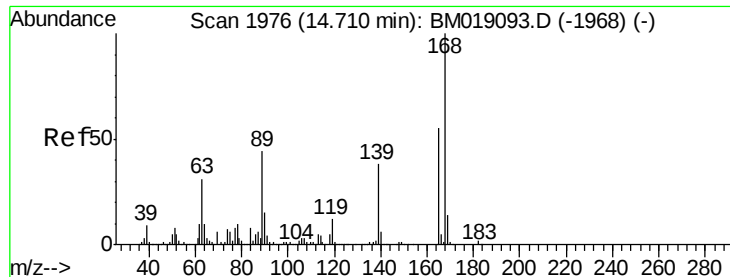
Sohil  
3/15/2019 5:51:08 PM



#56  
4-Nitrophenol  
Concen: 80.431 ng  
RT: 14.56 min Scan# 1967  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 75.7  | 56.3  | 96.3  |
| 65      | 110.0 | 89.2  | 129.2 |





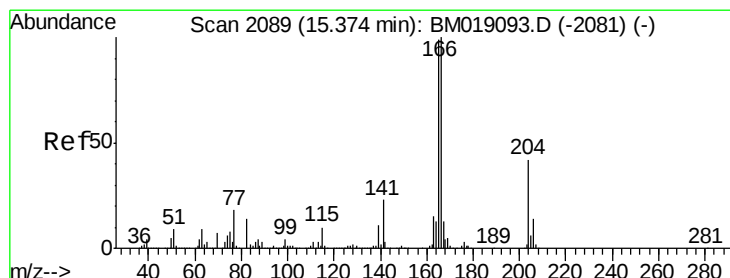
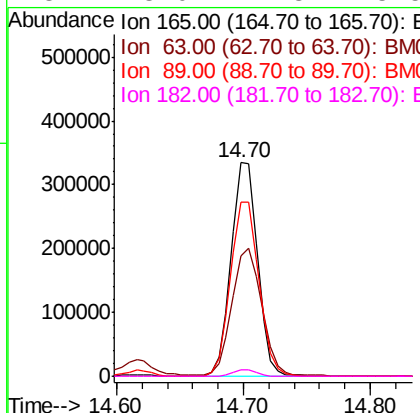
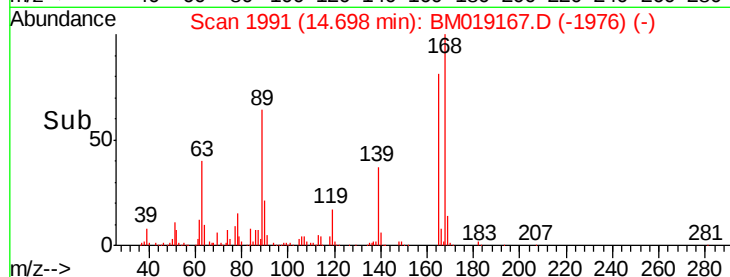
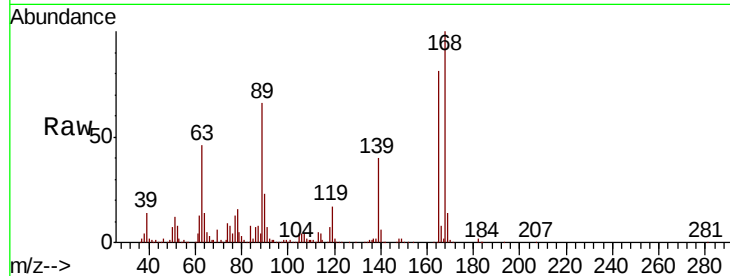
#57  
2,4-Dinitrotoluene  
Concen: 40.093 ng  
RT: 14.70 min Scan# 1991  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampled :  
PB117903BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 482287 |       |       |
| 63      | 56.4  | 44.7   | 67.1  |       |
| 89      | 81.3  | 63.4   | 95.2  |       |
| 182     | 3.0   | 2.3    | 3.5   |       |

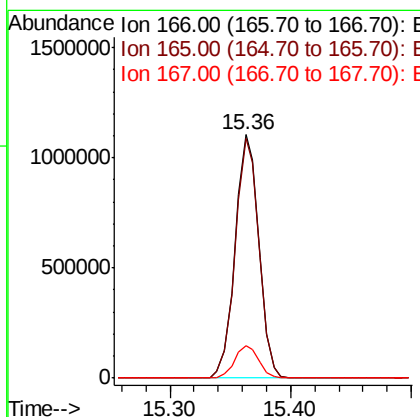
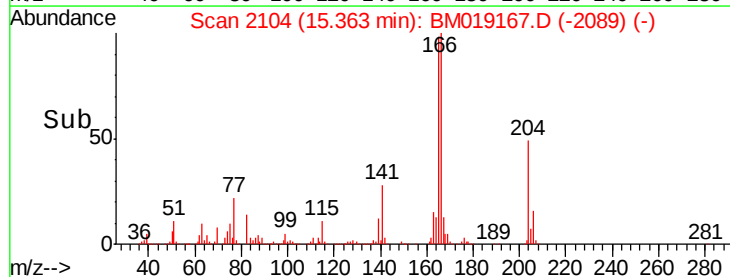
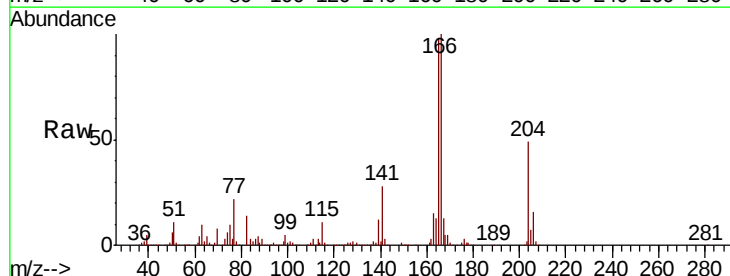
Manual Integrations  
APPROVED

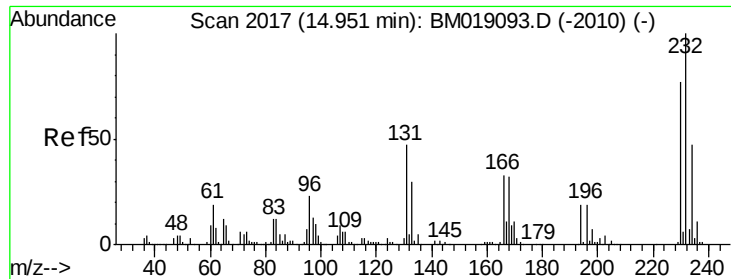
Sohil  
3/15/2019 5:51:08 PM



#58  
Fluorene  
Concen: 40.093 ng  
RT: 15.36 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1512586 |       |       |
| 165     | 98.2  | 79.0    | 118.4 |       |
| 167     | 13.4  | 10.8    | 16.2  |       |





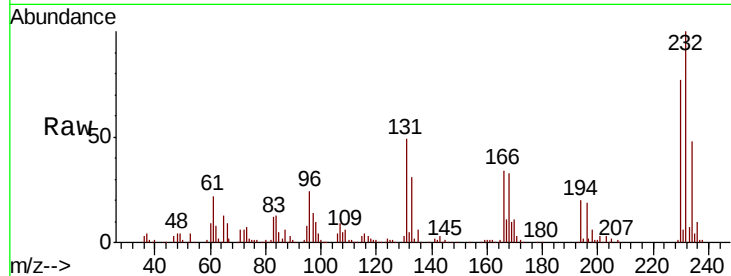
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.474 ng  
RT: 14.94 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampled :  
PB117903BS

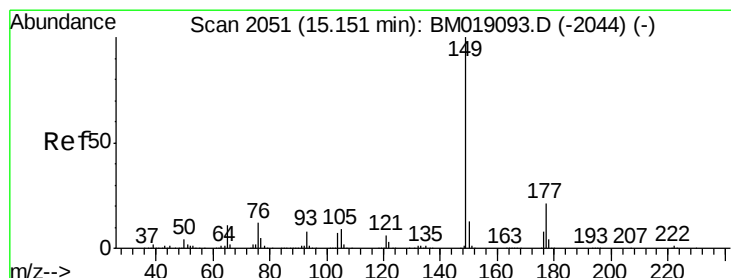
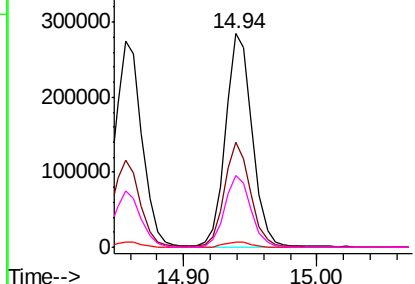
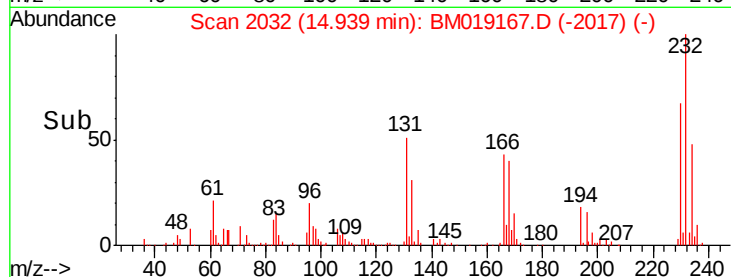
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 396461 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 47.9  | 38.2  | 57.2   |
| 130       | 2.5   | 1.9   | 2.9    |
| 166       | 33.2  | 27.0  | 40.4   |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM

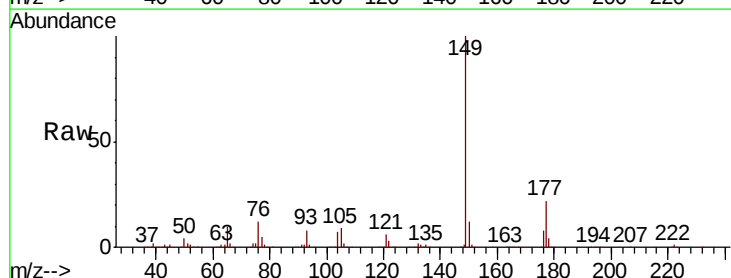


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

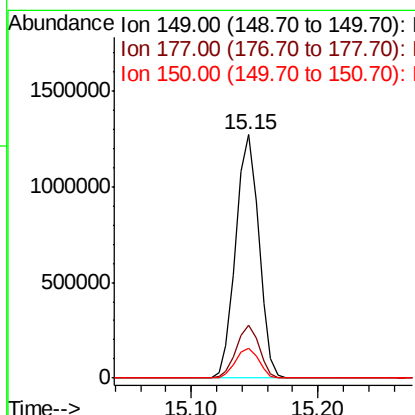
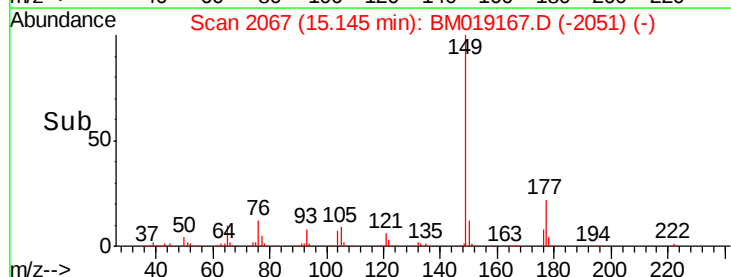


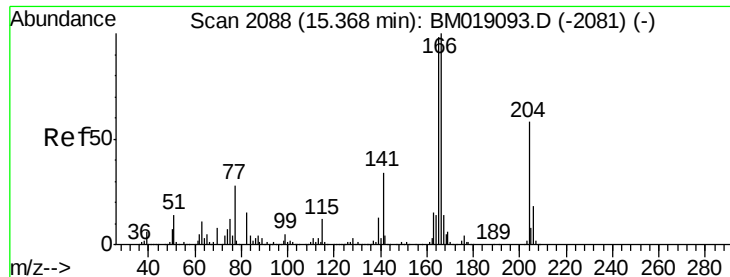
#60  
Diethylphthalate  
Concen: 41.259 ng  
RT: 15.15 min Scan# 2067  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1601880 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 177       | 22.0  | 17.0  | 25.6    |
| 150       | 12.5  | 10.2  | 15.4    |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E





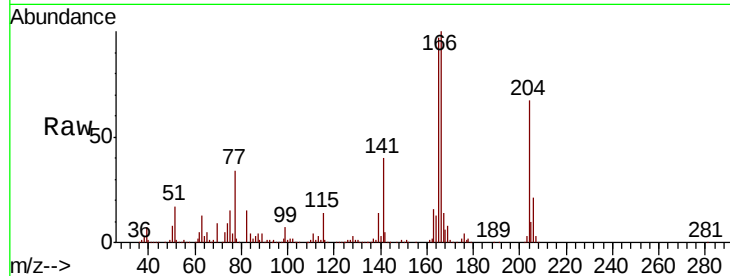
#61  
4-Chlorophenyl-phenylether  
Concen: 40.781 ng  
RT: 15.36 min Scan# 2103  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.2  | 25.5  | 38.3  |
| 141     | 59.9  | 47.8  | 71.8  |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM

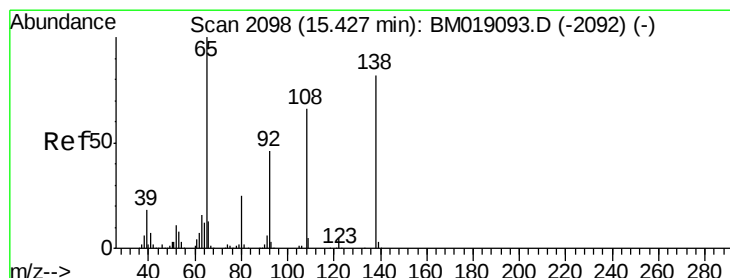
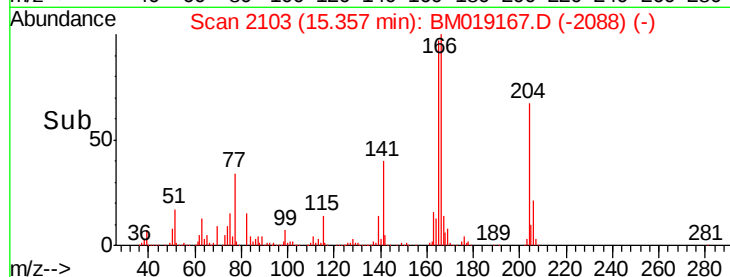
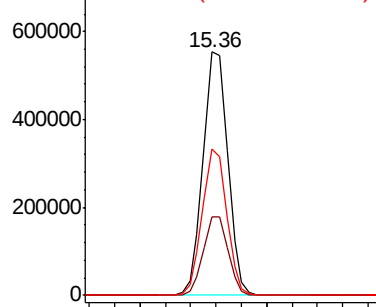


Abundance

Ion 204.00 (203.70 to 204.70): E

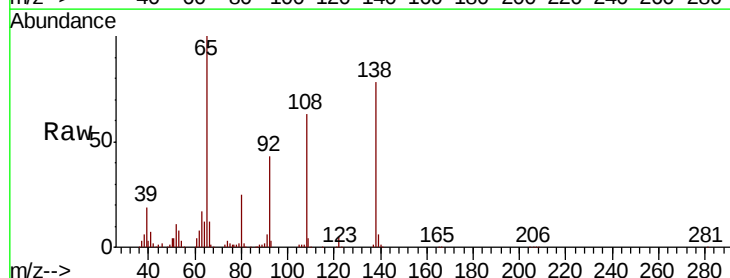
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 36.126 ng  
RT: 15.42 min Scan# 2113  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 55.2  | 36.2  | 76.2  |
| 108     | 80.3  | 59.7  | 99.7  |

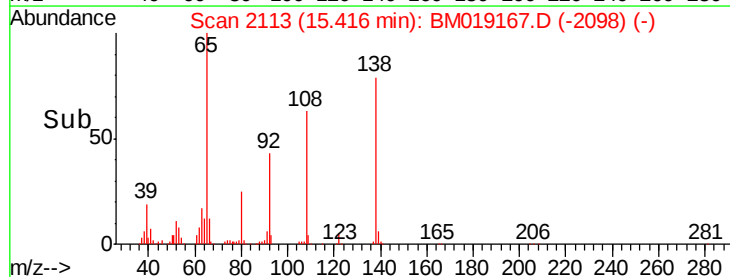
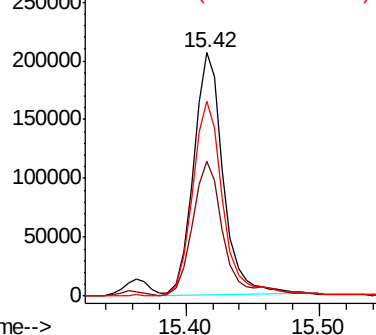


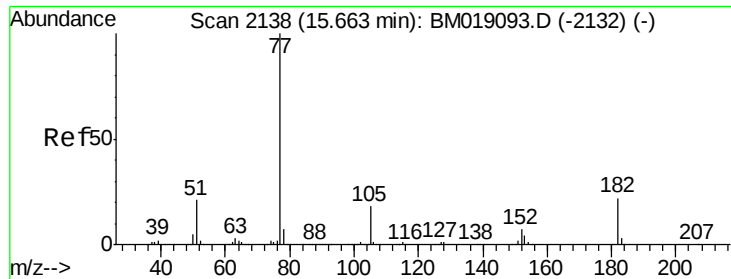
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





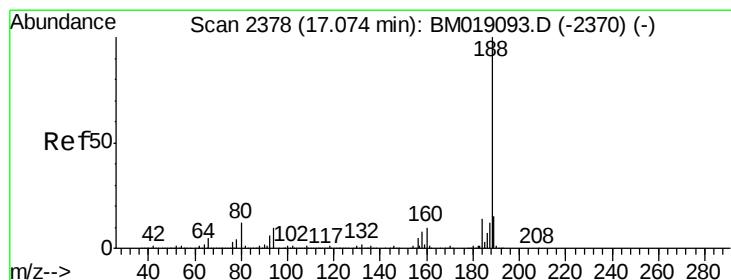
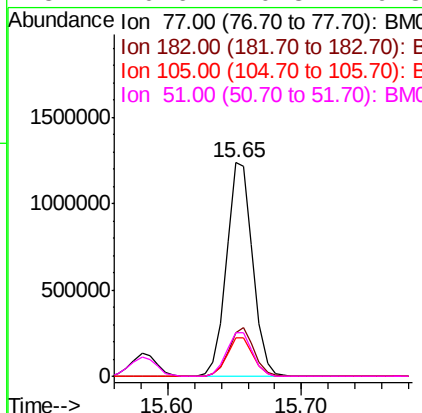
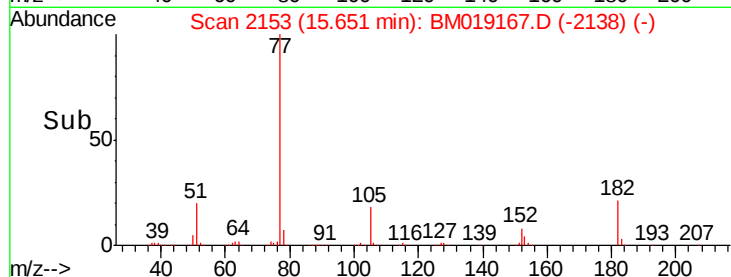
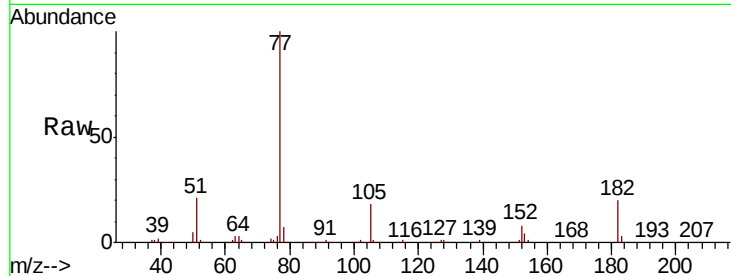
#63  
Azobenzene  
Concen: 41.411 ng  
RT: 15.65 min Scan# 2153  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 77    | Resp: | 1691823 |
| Ion      | Ratio | Lower | Upper   |
| 77       | 100   |       |         |
| 182      | 20.4  | 1.8   | 41.8    |
| 105      | 17.8  | 0.0   | 38.3    |
| 51       | 20.6  | 0.8   | 40.8    |

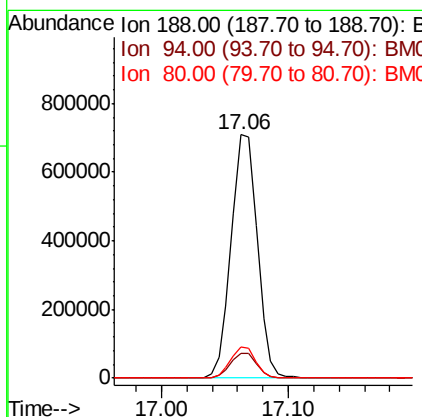
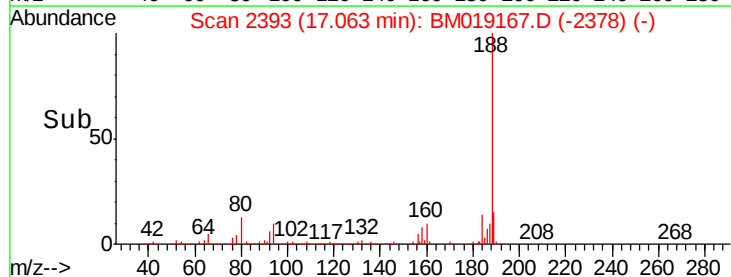
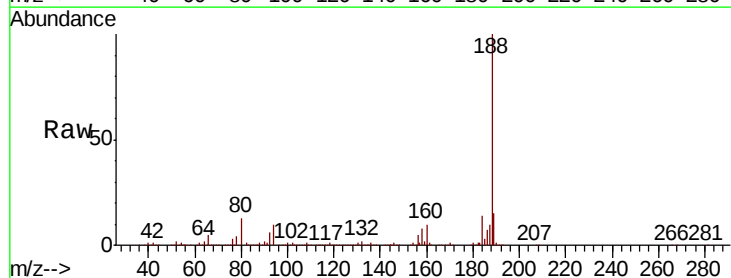
Manual Integrations  
APPROVED

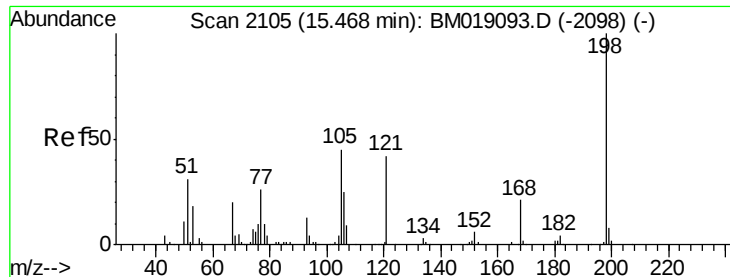
Sohil  
3/15/2019 5:51:08 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.06 min Scan# 2393  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 188   | Resp: | 1015950 |
| Ion      | Ratio | Lower | Upper   |
| 188      | 100   |       |         |
| 94       | 10.4  | 8.1   | 12.1    |
| 80       | 12.9  | 9.7   | 14.5    |





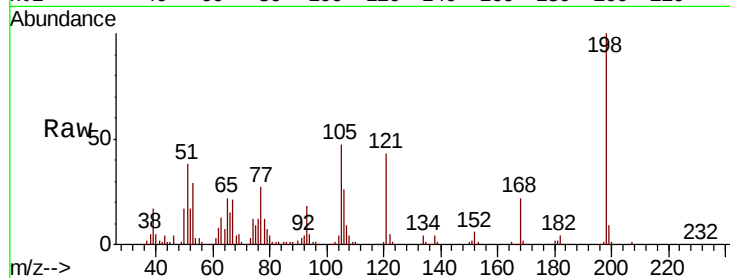
#65  
4,6-Dinitro-2-methylphenol  
Concen: 34.181 ng  
RT: 15.46 min Scan# 2121  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

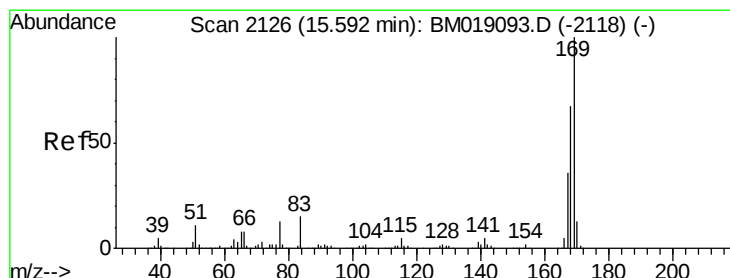
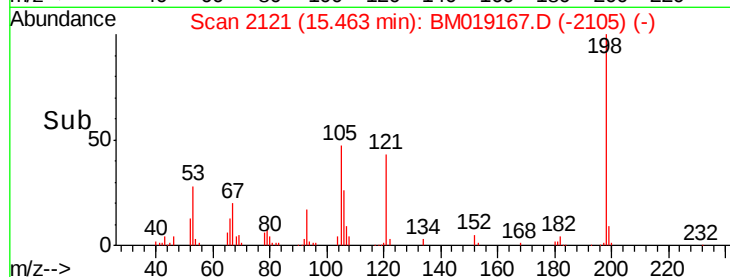
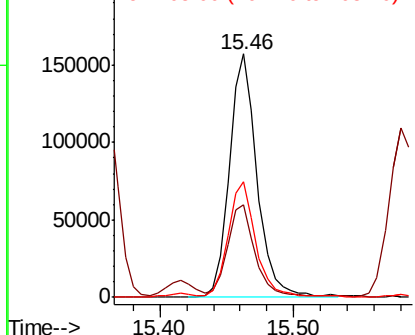
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 227562 |       |       |
| 51      | 37.8  | 17.3   | 57.3  |       |
| 105     | 47.3  | 26.2   | 66.2  |       |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM

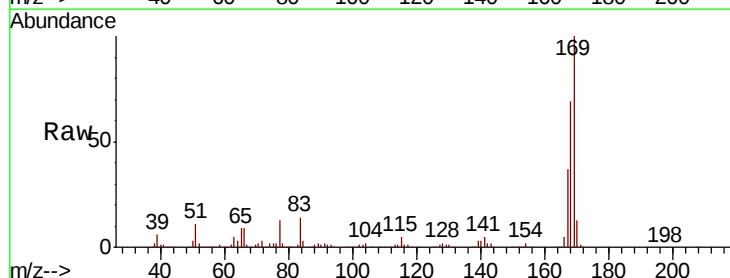


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BM  
Ion 105.00 (104.70 to 105.70): E

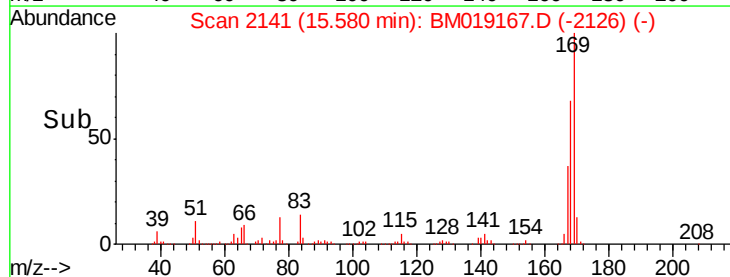
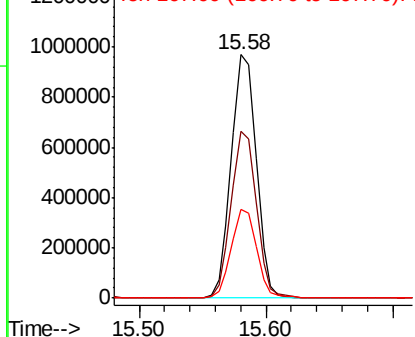


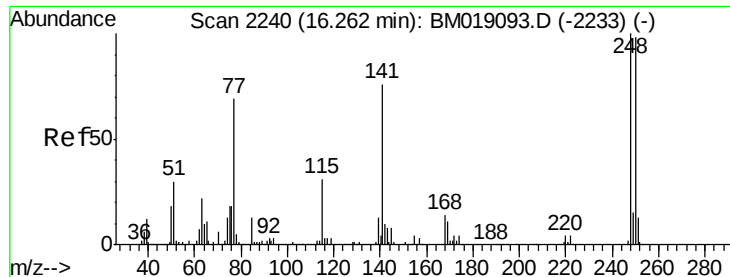
#66  
n-Nitrosodiphenylamine  
Concen: 41.078 ng  
RT: 15.58 min Scan# 2141  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1328650 |       |       |
| 168     | 68.5  | 53.9    | 80.9  |       |
| 167     | 36.6  | 28.8    | 43.2  |       |



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E





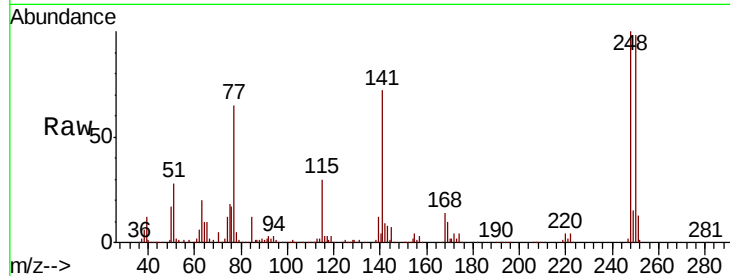
#67  
4-Bromophenyl-phenylether  
Concen: 40.258 ng  
RT: 16.26 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleID :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.7  | 78.0  | 117.0 |
| 141     | 72.1  | 61.0  | 91.4  |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM

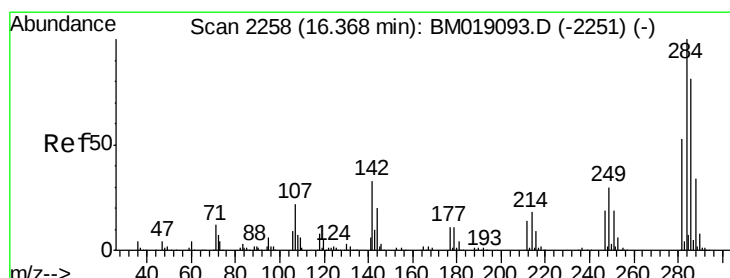
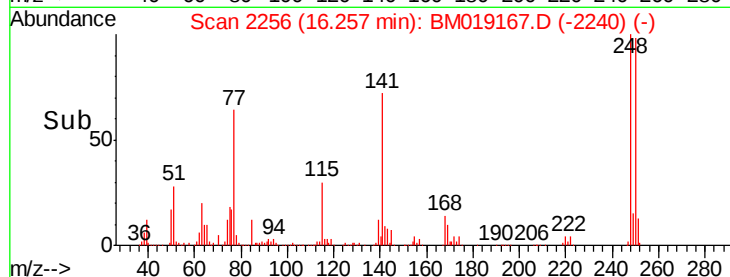
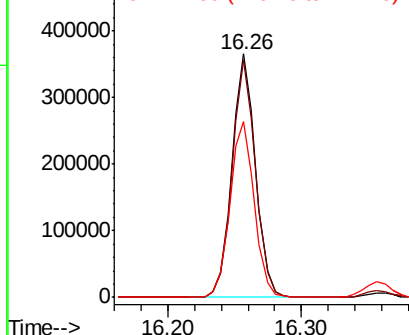


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 39.837 ng  
RT: 16.36 min Scan# 2273  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

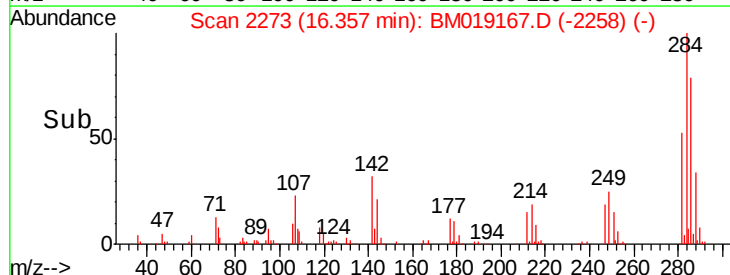
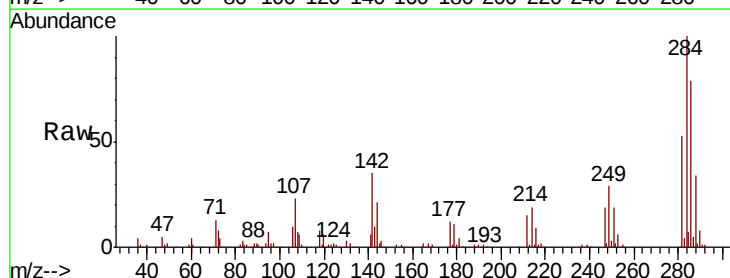
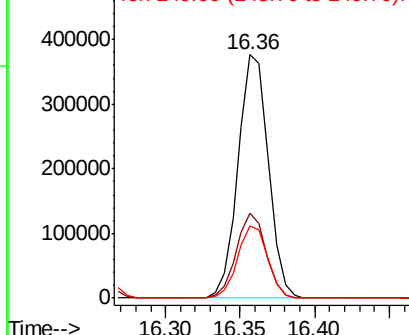
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.7  | 26.3  | 39.5  |
| 249     | 29.5  | 24.1  | 36.1  |

Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





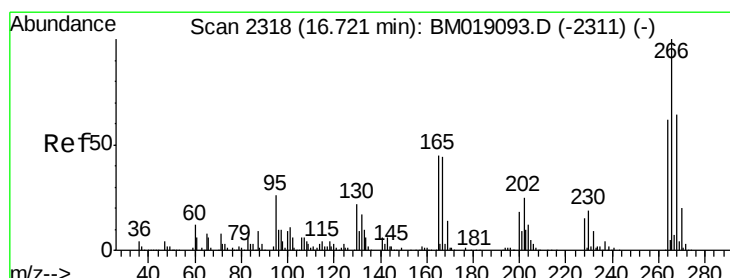
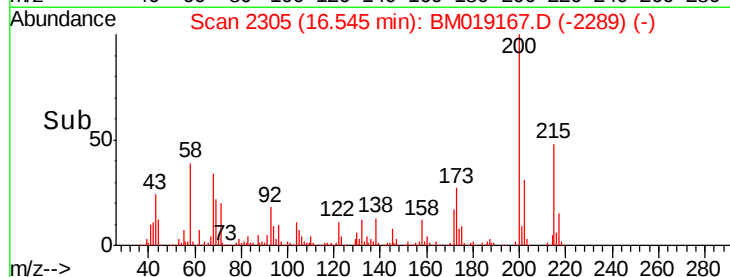
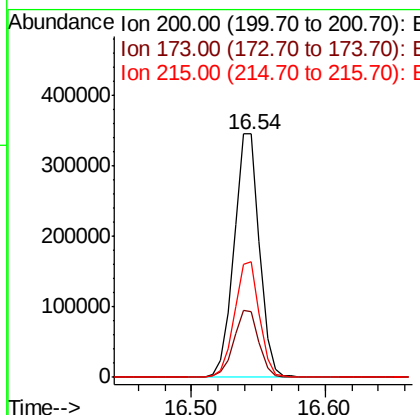
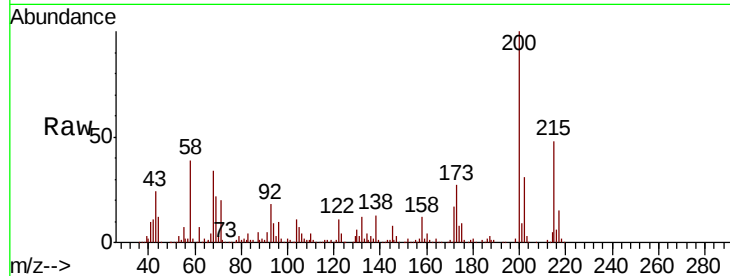
#69  
Atrazine  
Concen: 41.844 ng  
RT: 16.54 min Scan# 2305  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampled :  
PB117903BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 26.8  | 7.0        | 47.0  |
| 215     | 47.7  | 27.7       | 67.7  |

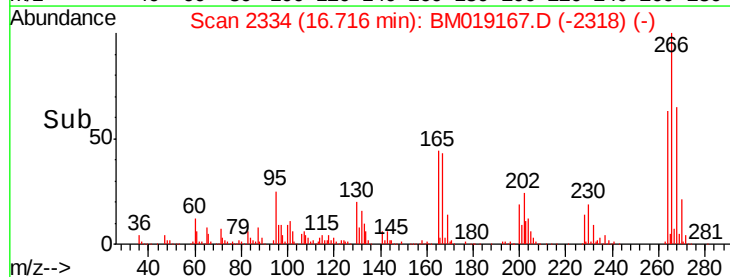
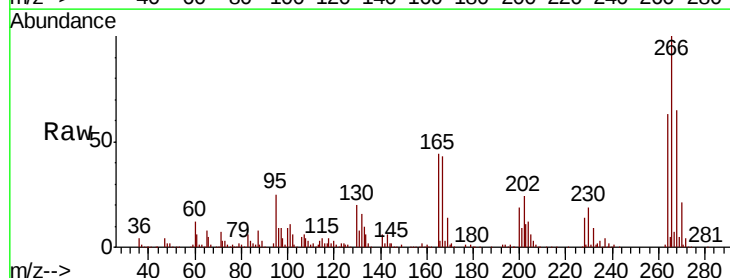
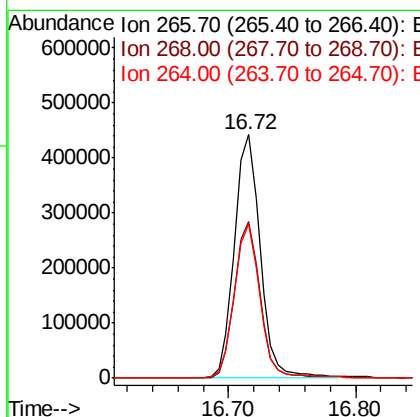
Manual Integrations  
APPROVED

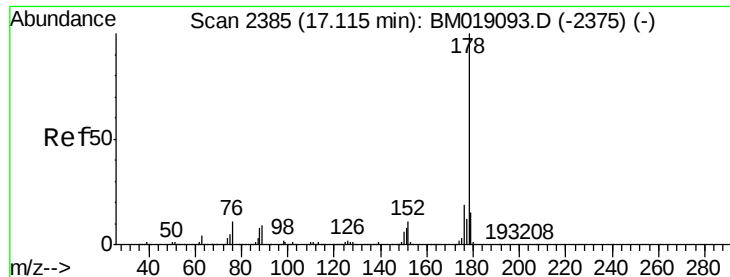
Sohil  
3/15/2019 5:51:08 PM



#70  
Pentachlorophenol  
Concen: 77.684 ng  
RT: 16.72 min Scan# 2334  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.5  | 51.3       | 76.9  |
| 264     | 63.3  | 50.0       | 75.0  |





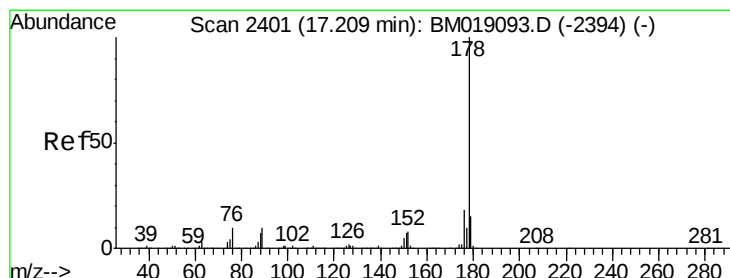
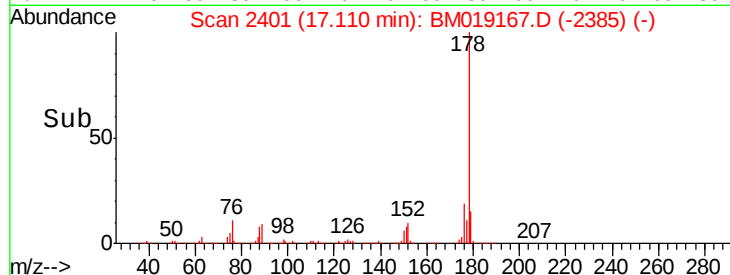
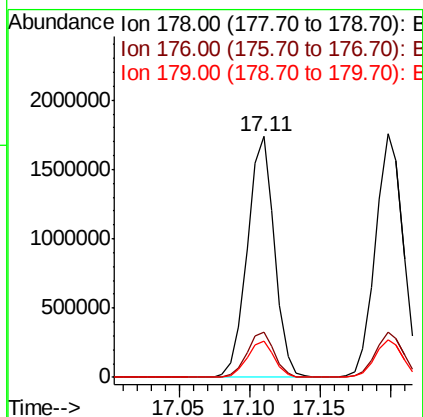
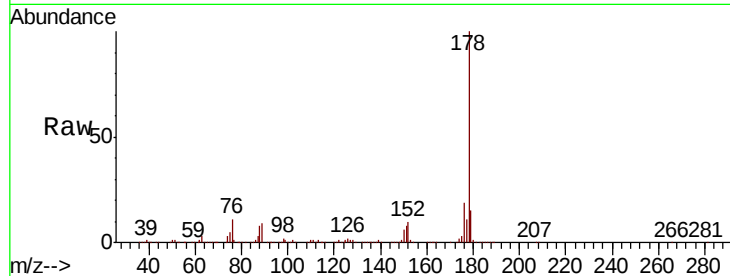
#71  
Phenanthrene  
Concen: 39.347 ng  
RT: 17.11 min Scan# 2401  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

Tot Ion:178 Resp: 2343026  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 15.2 12.2 18.2

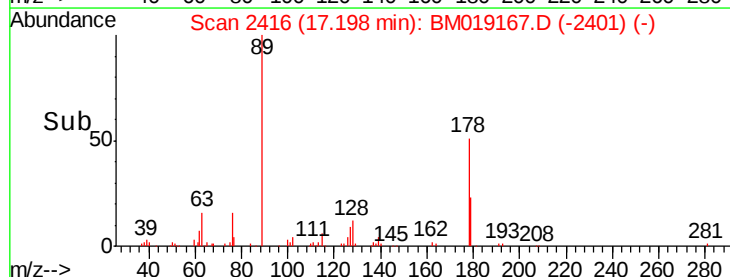
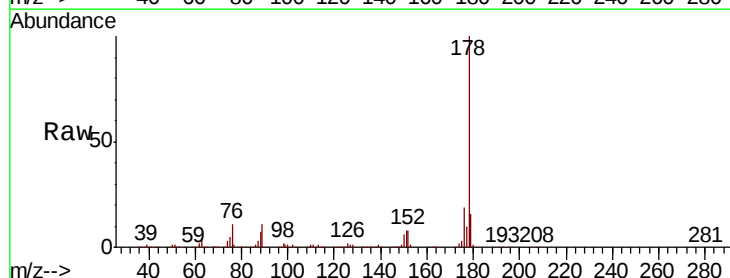
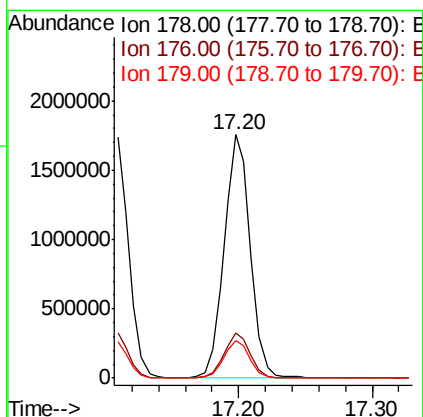
Manual Integrations  
APPROVED

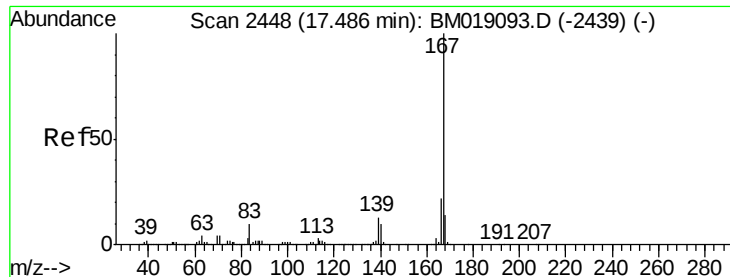
Sohil  
3/15/2019 5:51:08 PM



#72  
Anthracene  
Concen: 40.959 ng  
RT: 17.20 min Scan# 2416  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Tgt Ion:178 Resp: 2387718  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.6 22.0  
179 15.5 11.9 17.9





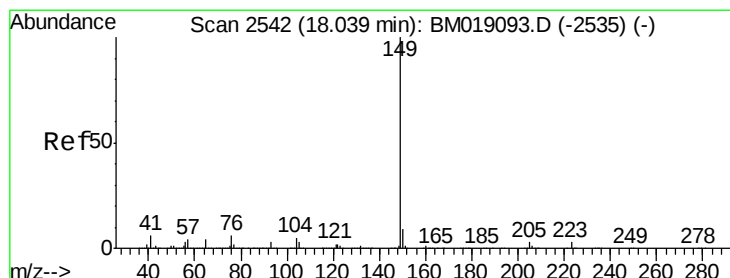
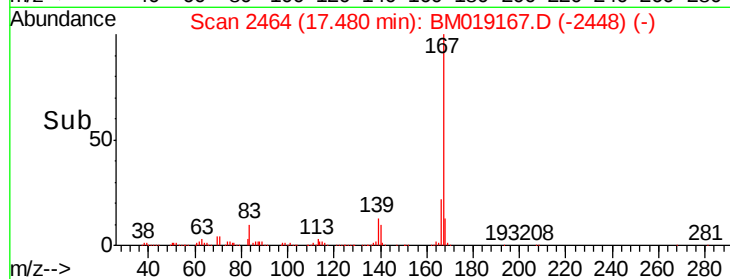
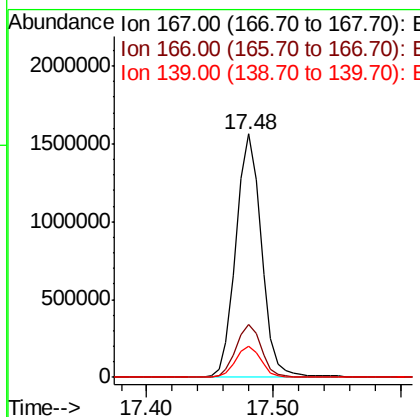
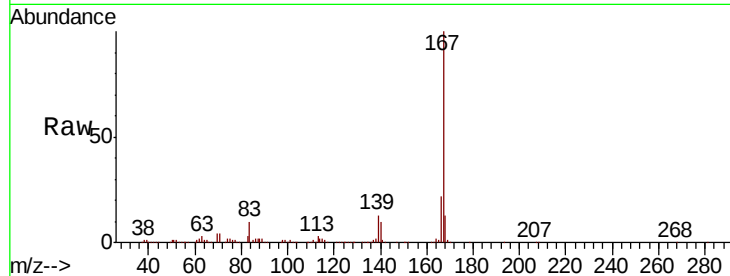
#73  
 Carbazole  
 Concen: 39.574 ng  
 RT: 17.48 min Scan# 2464  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 17.8  | 26.8  |
| 139     | 12.9  | 10.5  | 15.7  |

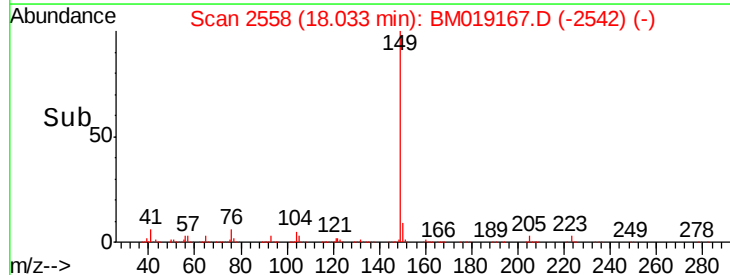
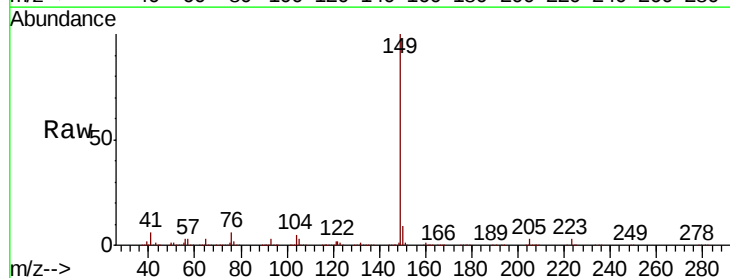
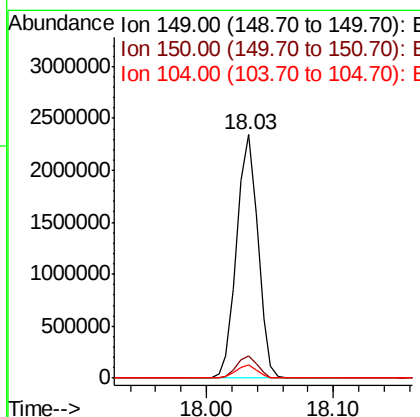
Manual Integrations  
 APPROVED

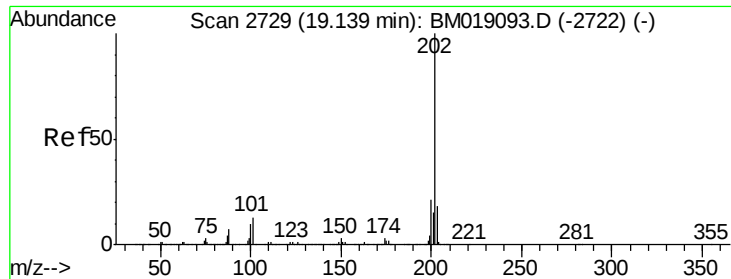
Sohil  
 3/15/2019 5:51:08 PM



#74  
 Di-n-butylphthalate  
 Concen: 40.736 ng  
 RT: 18.03 min Scan# 2558  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 7.4   | 11.0  |
| 104     | 5.2   | 4.2   | 6.4   |





#75

Fluoranthene

Concen: 39.152 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

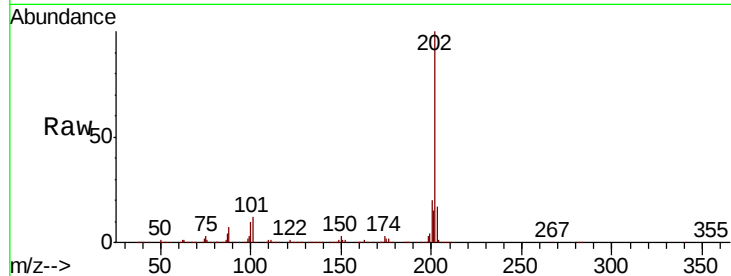
ClientSampleId :

PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.3  | 0.0   | 33.0  |
| 203     | 17.3  | 0.0   | 37.8  |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM

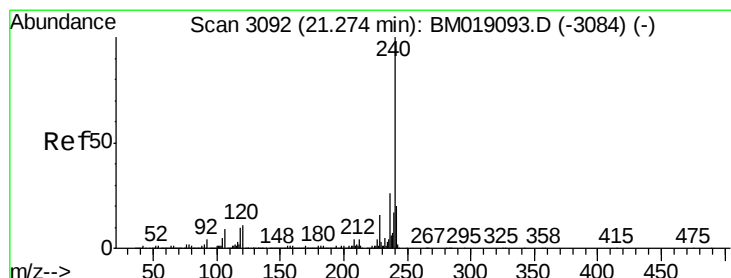
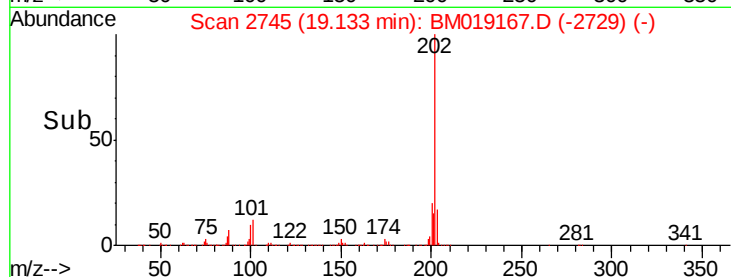
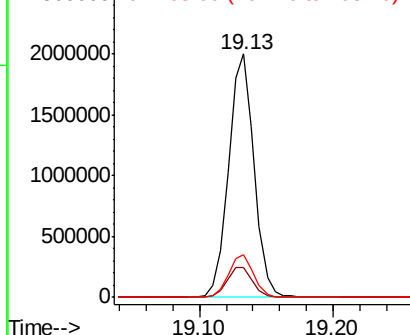


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

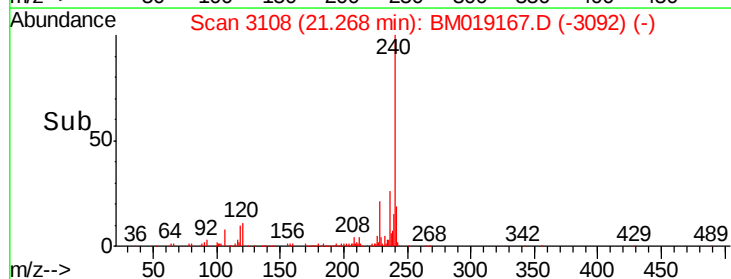
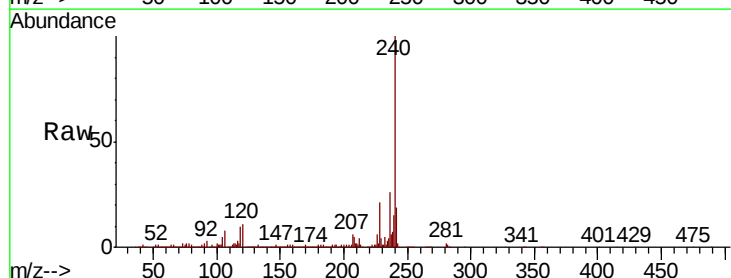
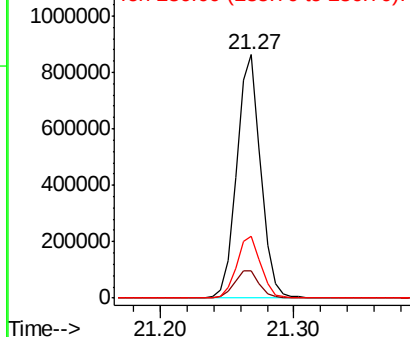
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.1  | 8.9   | 13.3  |
| 236     | 25.6  | 21.0  | 31.4  |

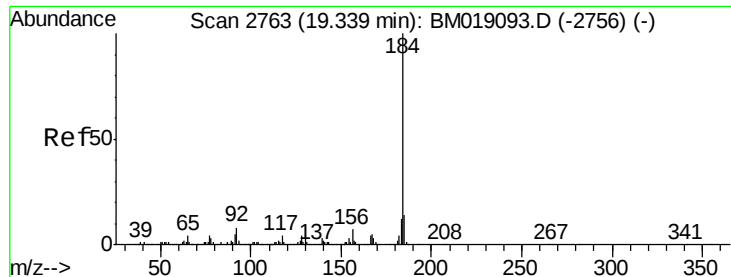
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 45.202 ng

RT: 19.33 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

ClientSampleId :

PB117903BS

Tot Ion:184 Resp: 1374528

Ion Ratio Lower Upper

184 100

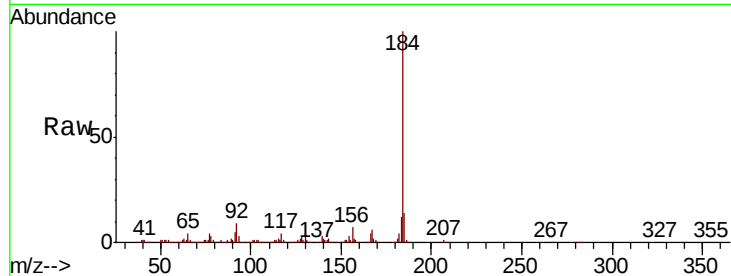
185 14.1 11.0 16.4

183 12.1 9.8 14.6

Manual Integrations  
APPROVED

Sohil

3/15/2019 5:51:08 PM

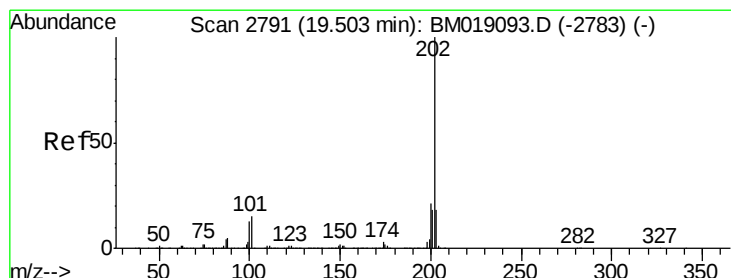
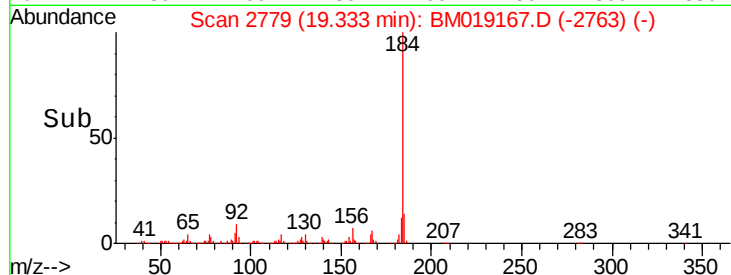
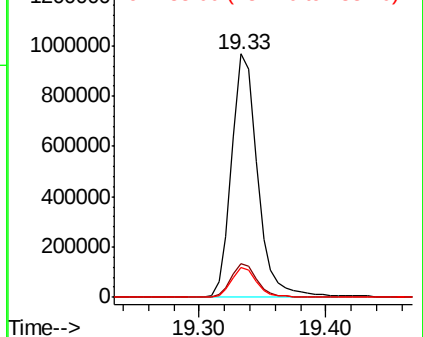


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 40.566 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

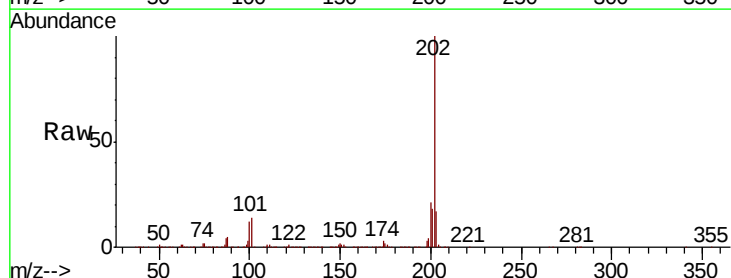
Tgt Ion:202 Resp: 2751974

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.4 14.0 21.0

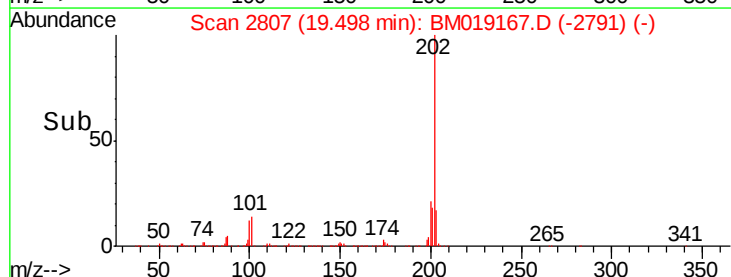
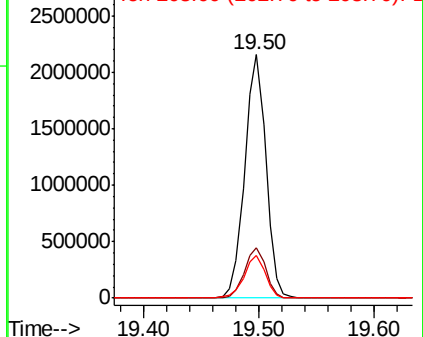


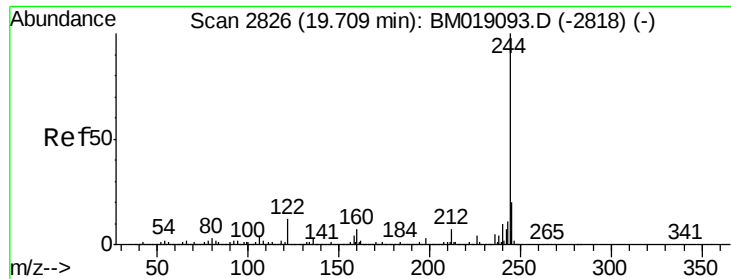
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





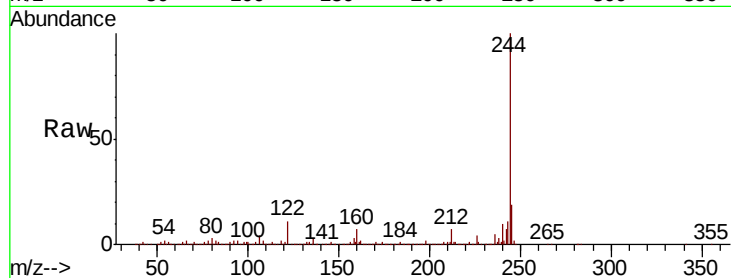
#79  
 Terphenyl-d14  
 Concen: 79.581 ng  
 RT: 19.70 min Scan# 2842  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117903BS

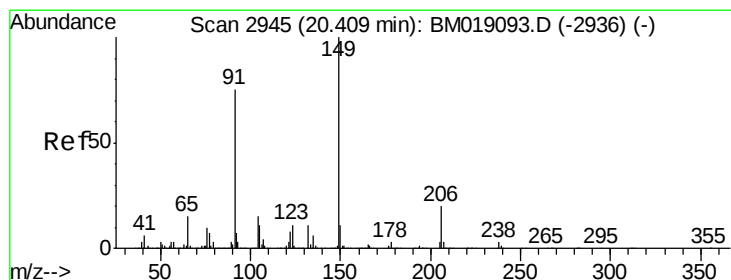
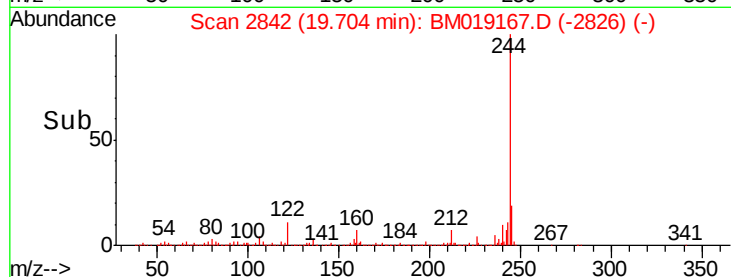
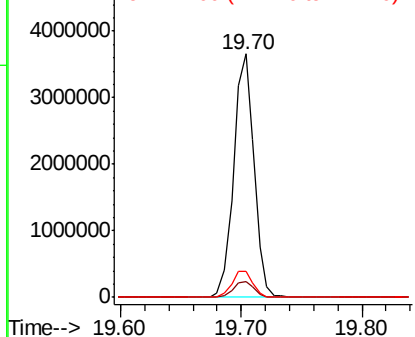
Tot Ion:244 Resp: 4298156  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.2  
 122 10.9 9.4 14.2

Manual Integrations  
 APPROVED

Sohil  
 3/15/2019 5:51:08 PM

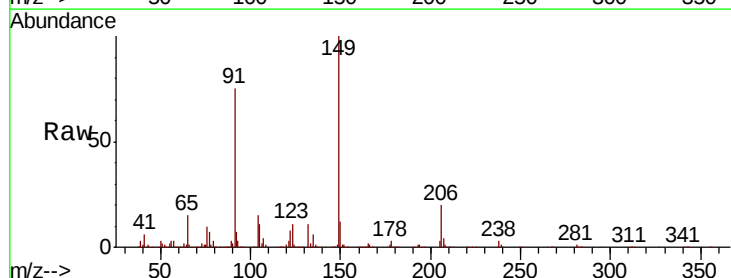


Abundance Ion 244.00 (243.70 to 244.70): E  
 5000000 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

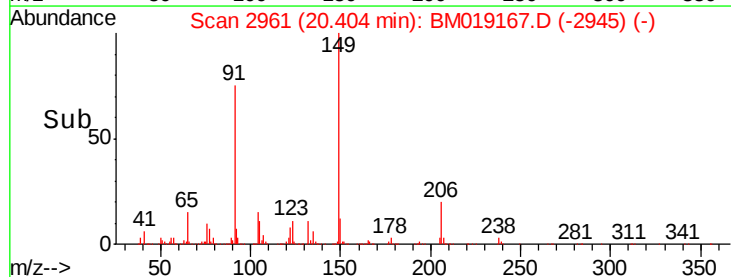
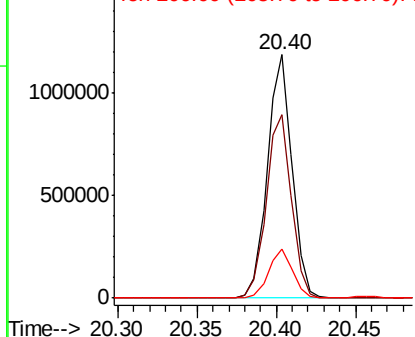


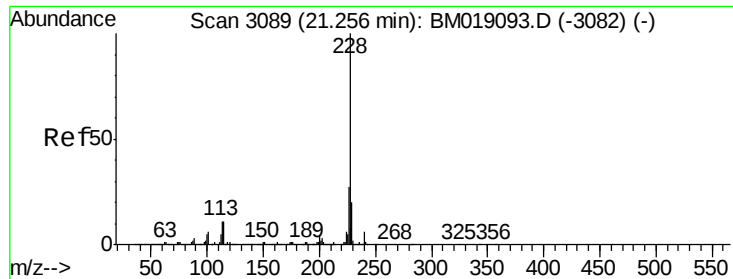
#80  
 Butylbenzylphthalate  
 Concen: 43.652 ng  
 RT: 20.40 min Scan# 2961  
 Delta R.T. -0.01 min  
 Lab File: BM019167.D  
 Acq: 14 Mar 2019 13:50

Tgt Ion:149 Resp: 1289851  
 Ion Ratio Lower Upper  
 149 100  
 91 75.5 60.1 90.1  
 206 19.9 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E  
 1500000 Ion 91.00 (90.70 to 91.70): BM0  
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.038 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

ClientSampleId :

PB117903BS

Tot Ion:228 Resp: 2625990

Ion Ratio Lower Upper

228 100

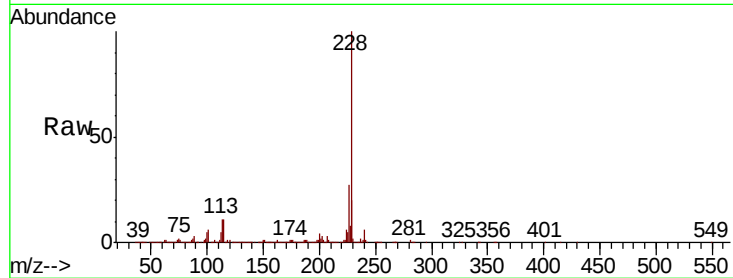
226 27.0 21.8 32.8

229 19.8 15.8 23.6

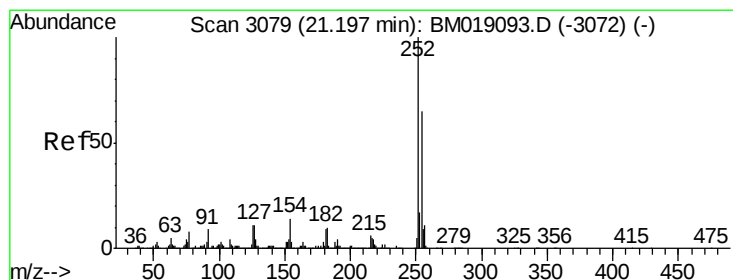
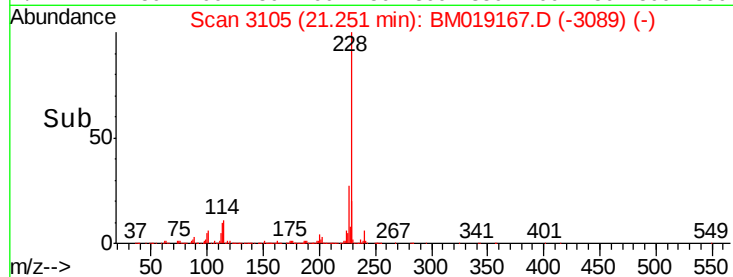
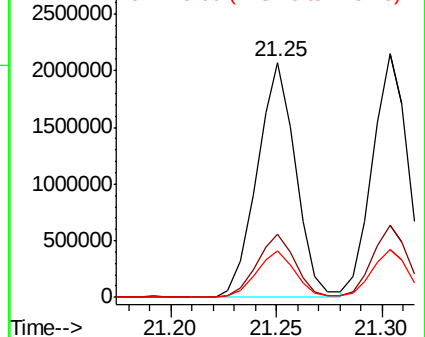
Manual Integrations  
APPROVED

Sohil

3/15/2019 5:51:08 PM



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 25.502 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

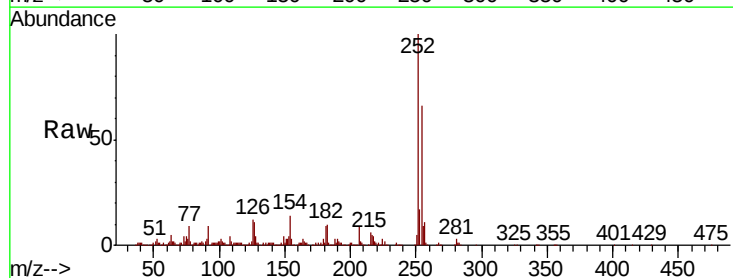
Tgt Ion:252 Resp: 660848

Ion Ratio Lower Upper

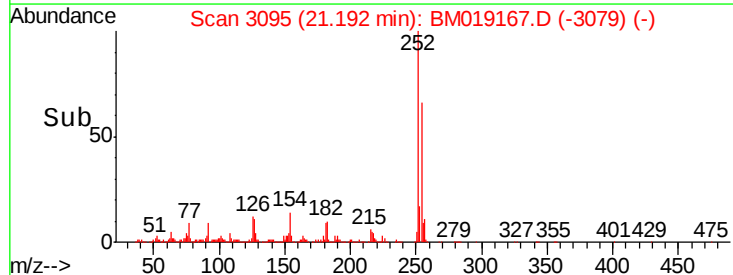
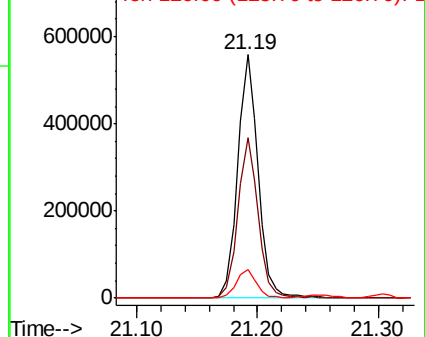
252 100

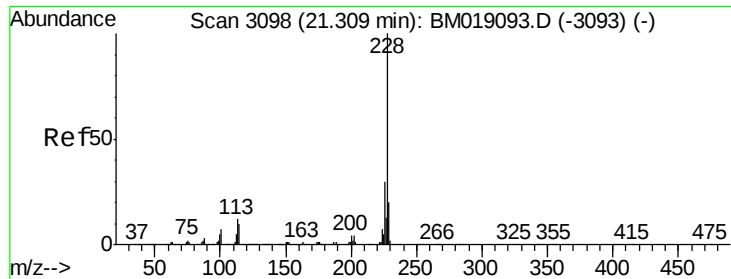
254 65.7 52.4 78.6

126 11.7 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





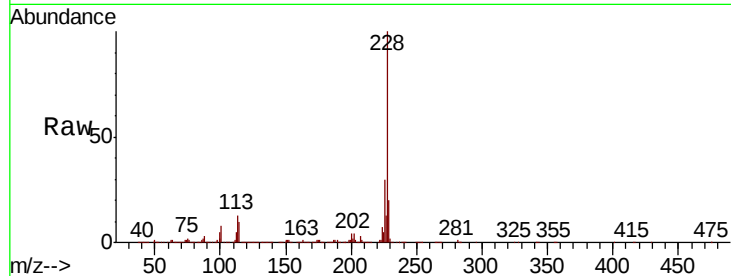
#83  
Chrysene  
Concen: 38.754 ng  
RT: 21.30 min Scan# 3114  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

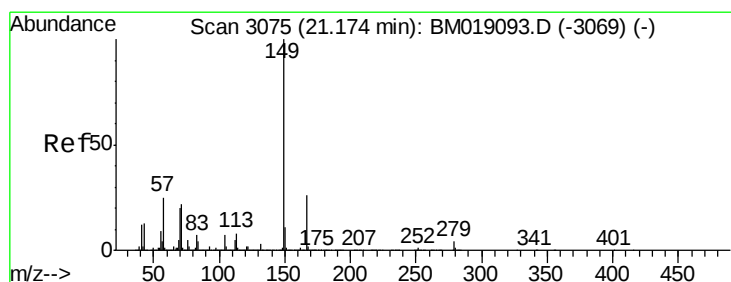
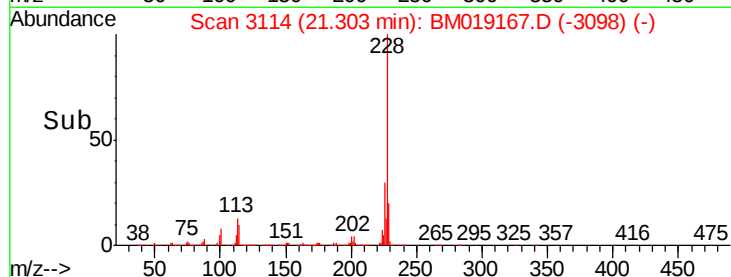
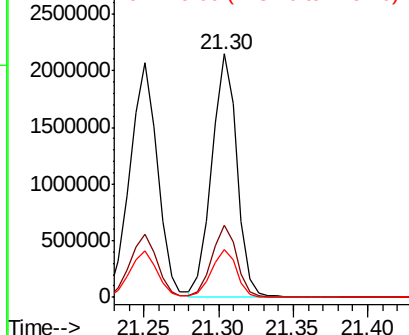
Tot Ion:228 Resp: 2521943  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.8 35.8  
229 19.8 15.7 23.5

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



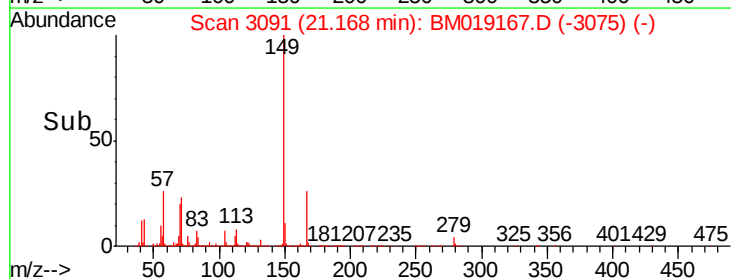
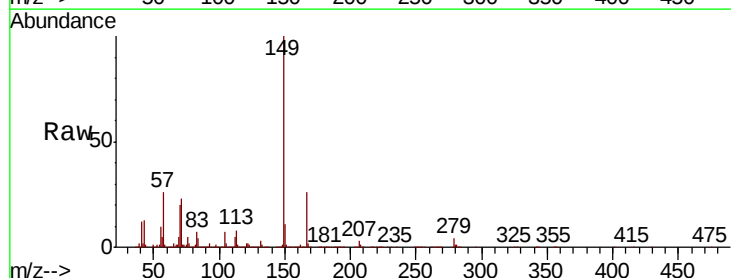
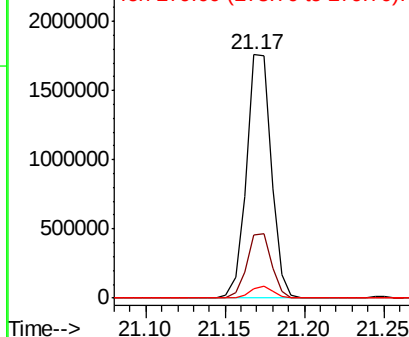
Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

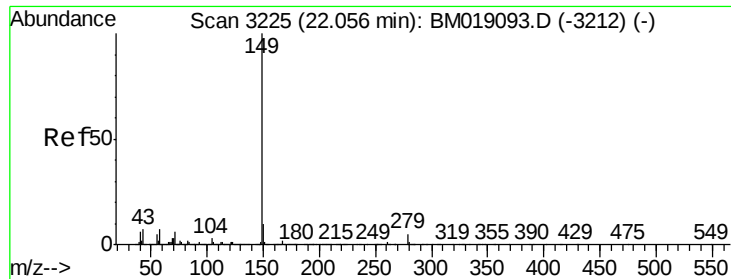


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.273 ng  
RT: 21.17 min Scan# 3091  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Tgt Ion:149 Resp: 1903206  
Ion Ratio Lower Upper  
149 100  
167 26.0 21.1 31.7  
279 3.9 3.2 4.8

Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 45.600 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

ClientSampleId :

PB117903BS

Tot Ion:149 Resp: 3300808

Ion Ratio Lower Upper

149 100

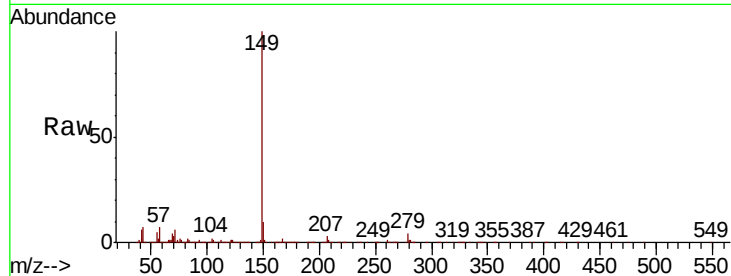
167 1.6 1.3 1.9

43 7.6 6.1 9.1

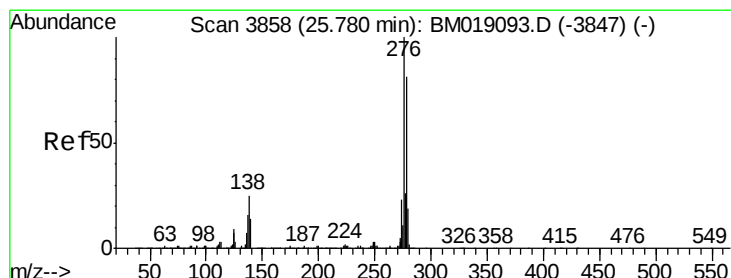
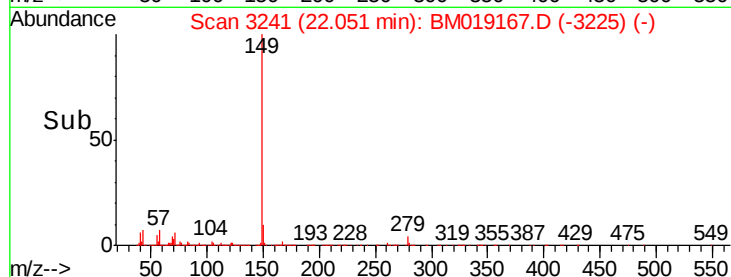
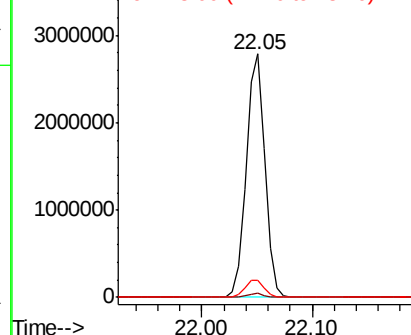
Manual Integrations  
APPROVED

Sohil

3/15/2019 5:51:08 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): B



#86

Indeno(1,2,3-cd)pyrene

Concen: 36.277 ng

RT: 25.76 min Scan# 3872

Delta R.T. -0.02 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

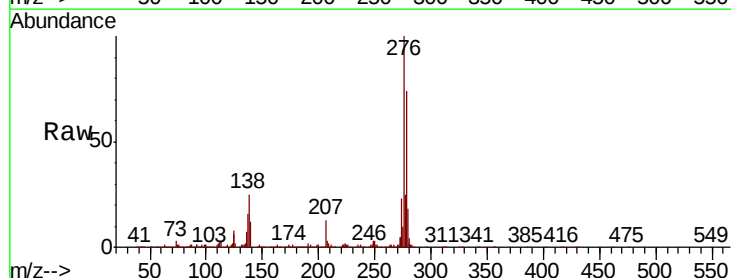
Tgt Ion:276 Resp: 2541331

Ion Ratio Lower Upper

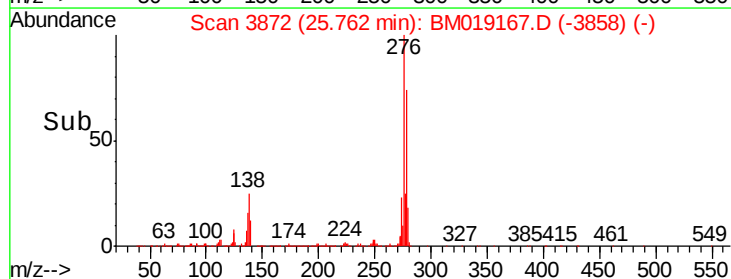
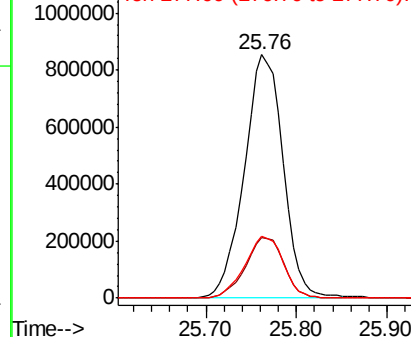
276 100

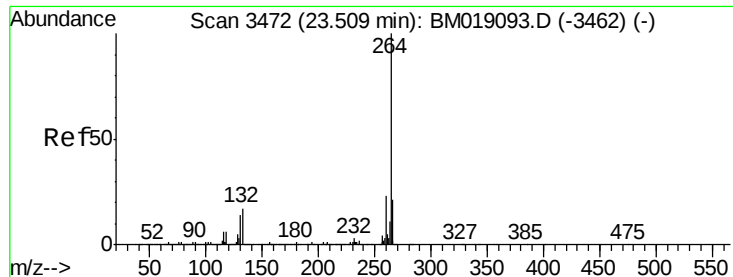
138 24.8 19.8 29.8

277 25.5 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

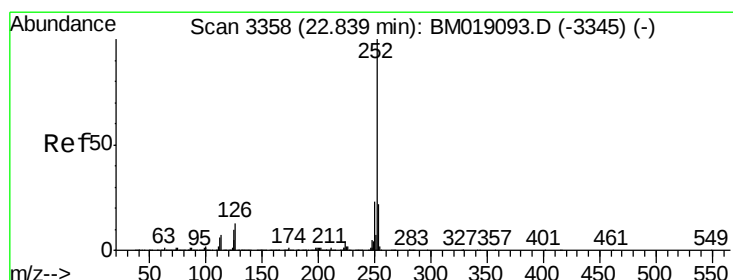
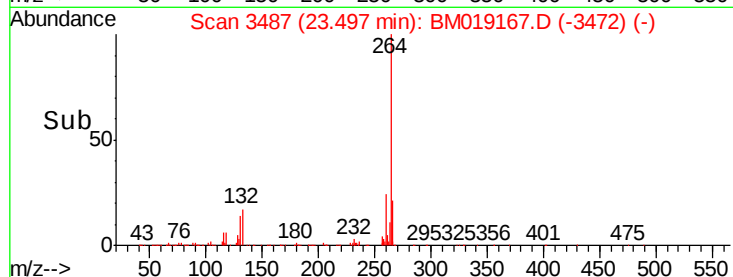
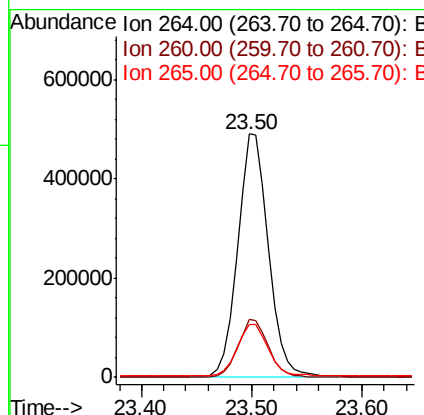
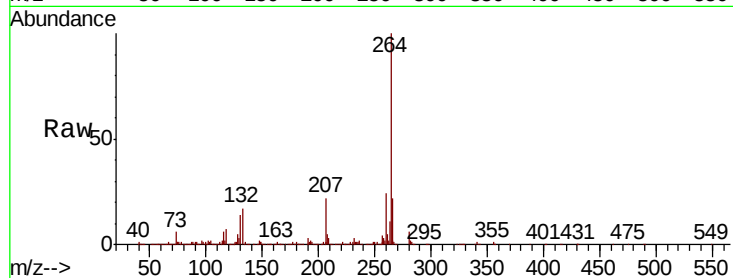
ClientSampleId :

PB117903BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 959343 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.7  | 18.6  | 28.0   |
| 265       | 21.8  | 17.3  | 25.9   |

Manual Integrations  
APPROVED

Sohil  
3/15/2019 5:51:08 PM



#88

Benzo(b)fluoranthene

Concen: 40.458 ng

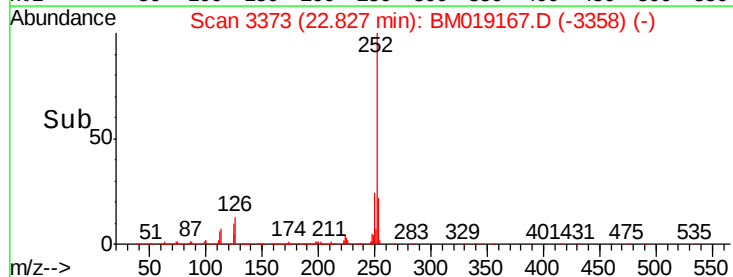
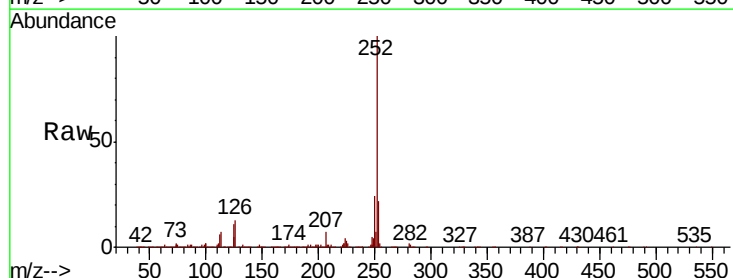
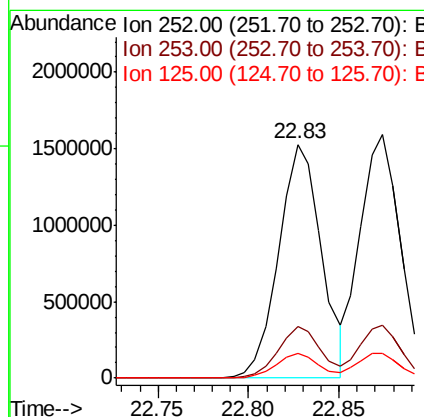
RT: 22.83 min Scan# 3373

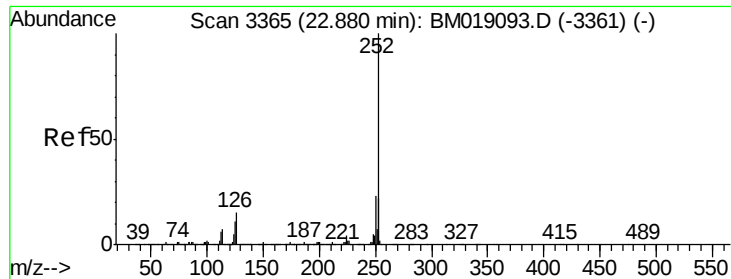
Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 2515016 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.0  | 17.6  | 26.4    |
| 125       | 10.5  | 8.1   | 12.1    |





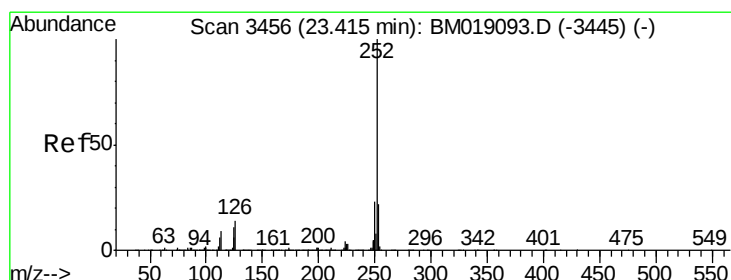
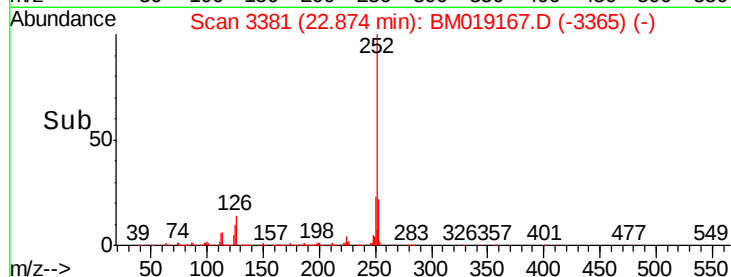
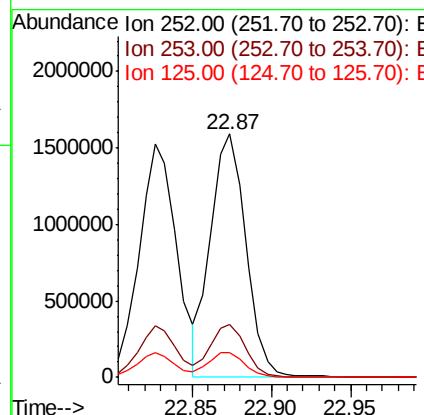
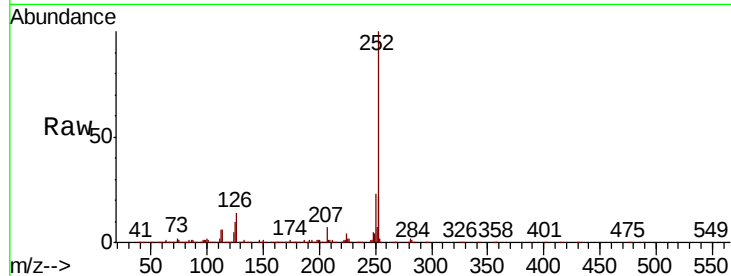
#89  
Benzo(k)fluoranthene  
Concen: 43.108 ng  
RT: 22.87 min Scan# 3381  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
PB117903BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.6  | 26.4  |
| 125     | 10.1  | 8.8   | 13.2  |

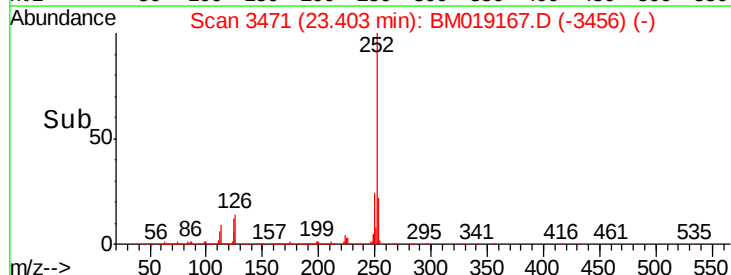
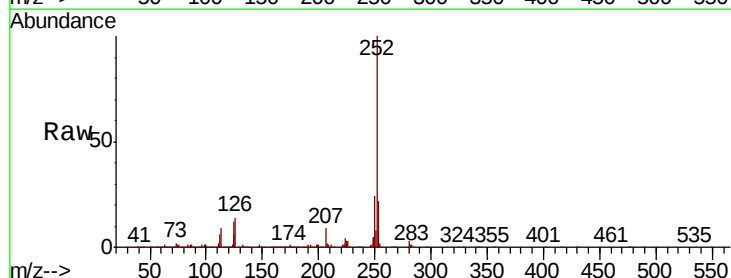
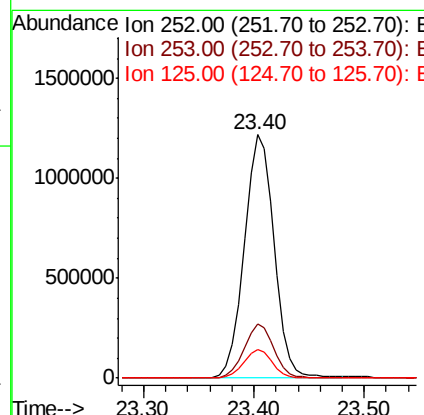
Manual Integrations  
APPROVED

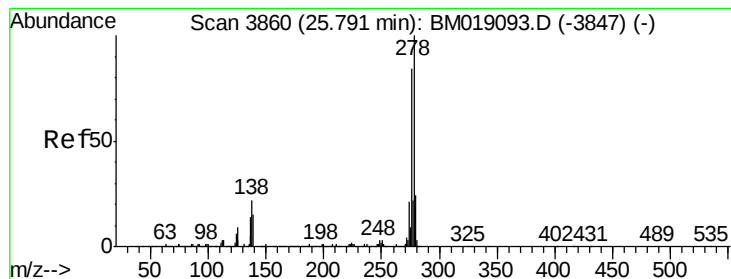
Sohil  
3/15/2019 5:51:08 PM



#90  
Benzo(a)pyrene  
Concen: 41.411 ng  
RT: 23.40 min Scan# 3471  
Delta R.T. -0.01 min  
Lab File: BM019167.D  
Acq: 14 Mar 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.4  | 26.2  |
| 125     | 11.6  | 9.2   | 13.8  |





#91

Dibenzo(a,h)anthracene

Concen: 40.536 ng

RT: 25.77 min Scan# 3874

Delta R.T. -0.02 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

Instrument :

BNA\_M

ClientSampleId :

PB117903BS

Tot Ion:278 Resp: 2166206

Ion Ratio Lower Upper

278 100

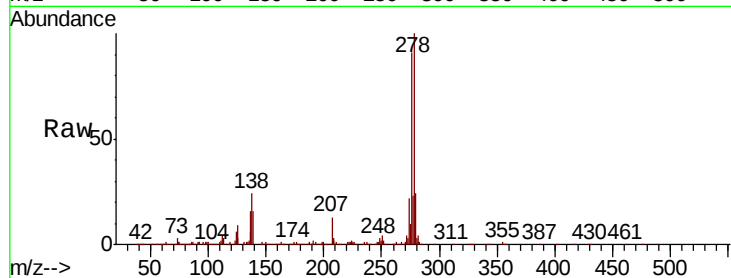
139 15.9 12.3 18.5

279 23.8 18.9 28.3

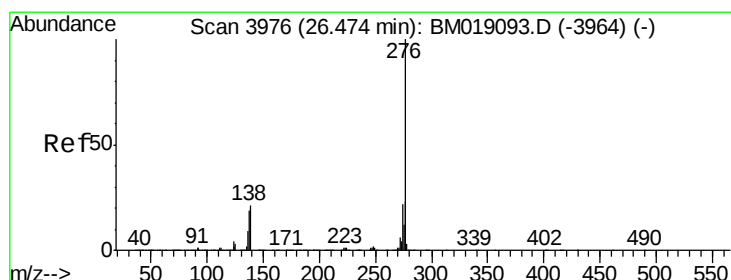
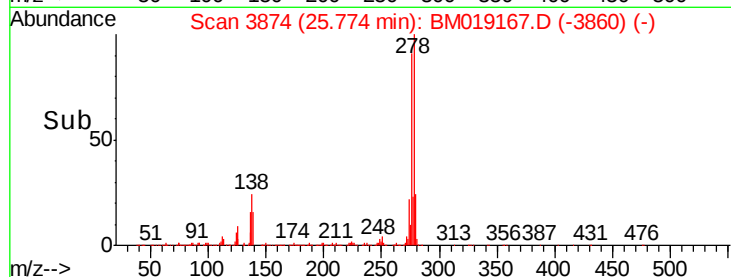
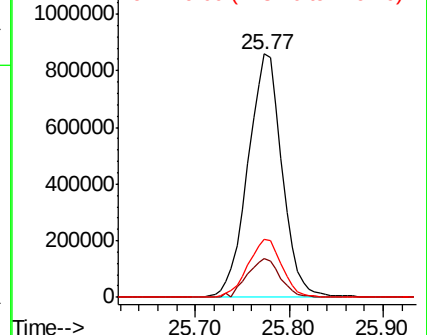
Manual Integrations  
APPROVED

Sohil

3/15/2019 5:51:08 PM



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 41.418 ng

RT: 26.46 min Scan# 3991

Delta R.T. -0.01 min

Lab File: BM019167.D

Acq: 14 Mar 2019 13:50

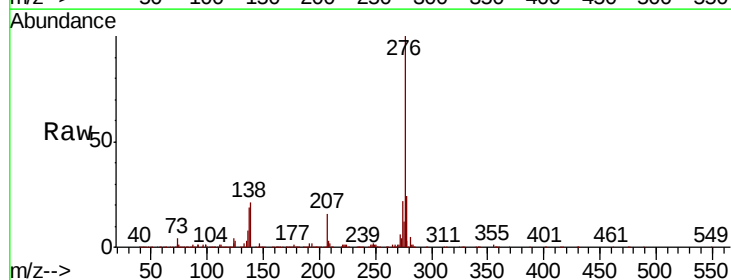
Tgt Ion:276 Resp: 2032049

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 21.0 17.0 25.4



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

