

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\  
 Data File : BM018523.D  
 Acq On : 10 Jan 2019 23:53  
 Operator : JU/SJ  
 Sample : K1099-05MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-16MSD

Manual Integrations  
 APPROVED

Sohil  
 1/11/2019 4:41:11 PM

Quant Time: Jan 11 04:00:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 10 05:57:41 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 513198   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.55 | 136  | 2185191  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.41 | 164  | 1291704  | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.16 | 188  | 2937058  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.35 | 240  | 3109629  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.63 | 264  | 2772224  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.35  | 112  | 3925657  | 141.25 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 5278456  | 149.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.93  | 82   | 3190844  | 84.65  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.90 | 330  | 2436115  | 148.12 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.03 | 172  | 8282672  | 83.67  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.79 | 244  | 11771062 | 79.80  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.29  | 88   | 327203   | 28.885 | ng    | 97     |
| 3) Pyridine                    | 3.68  | 79   | 950348   | 33.650 | ng    | 96     |
| 4) n-Nitrosodimethylamine      | 3.60  | 42   | 529949   | 45.379 | ng    | # 93   |
| 6) Aniline                     | 7.10  | 93   | 926869   | 23.538 | ng    | 99     |
| 8) 2-Chlorophenol              | 7.33  | 128  | 1536712  | 47.342 | ng    | 96     |
| 9) Benzaldehyde                | 6.91  | 77   | 448589   | 19.160 | ng    | 98     |
| 10) Phenol                     | 6.97  | 94   | 1800769  | 50.201 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.20  | 93   | 1186744  | 42.104 | ng    | 94     |
| 12) 1,3-Dichlorobenzene        | 7.65  | 146  | 1528206  | 39.532 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 7.79  | 146  | 1572651  | 40.138 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 8.11  | 146  | 1512000  | 40.698 | ng    | 99     |
| 15) Benzyl Alcohol             | 8.00  | 79   | 1258892  | 49.376 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.29  | 45   | 1512489  | 41.990 | ng    | 94     |
| 17) 2-Methylphenol             | 8.20  | 107  | 1224517  | 50.290 | ng    | 97     |
| 18) Hexachloroethane           | 8.83  | 117  | 568338   | 40.683 | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.57  | 70   | 1023430  | 44.550 | ng    | 95     |
| 20) 3+4-Methylphenols          | 8.53  | 107  | 1702212  | 50.641 | ng    | 99     |
| 22) Acetophenone               | 8.59  | 105  | 2096307  | 38.780 | ng    | 98     |
| 24) Nitrobenzene               | 8.97  | 77   | 1538821  | 41.490 | ng    | 96     |
| 25) Isophorone                 | 9.49  | 82   | 2866379  | 50.217 | ng    | 98     |
| 26) 2-Nitrophenol              | 9.67  | 139  | 856598   | 47.765 | ng    | 96     |
| 27) 2,4-Dimethylphenol         | 9.73  | 122  | 1420900  | 52.860 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.97  | 93   | 1757503  | 44.571 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 10.20 | 162  | 1568651  | 49.007 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.41 | 180  | 1576822  | 39.689 | ng    | 99     |
| 31) Naphthalene                | 10.60 | 128  | 4640941  | 44.099 | ng    | 99     |
| 32) Benzoic acid               | 9.86  | 122  | 449102m  | 27.955 | ng    |        |
| 33) 4-Chloroaniline            | 10.73 | 127  | 433688   | 10.464 | ng    | 98     |
| 34) Hexachlorobutadiene        | 10.87 | 225  | 955338   | 38.062 | ng    | 99     |
| 35) Caprolactam                | 11.53 | 113  | 475314m  | 43.677 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 11.85 | 107  | 1645320  | 48.996 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 12.22 | 142  | 3526103  | 47.422 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 12.44 | 142  | 3355050  | 46.634 | ng    | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 1822433  | 40.346 | ng    | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\  
 Data File : BM018523.D  
 Acq On : 10 Jan 2019 23:53  
 Operator : JU/SJ  
 Sample : K1099-05MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-16MSD

Manual Integrations  
 APPROVED

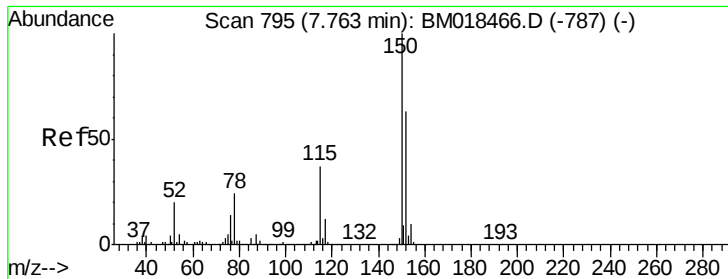
Sohil  
 1/11/2019 4:41:11 PM

Quant Time: Jan 11 04:00:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 10 05:57:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.56 | 237  | 1941650  | 78.322 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.83 | 196  | 1300881  | 47.425 | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 12.91 | 196  | 1405922  | 48.735 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.24 | 154  | 4553385  | 40.372 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.28 | 162  | 3508886  | 40.120 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.50 | 65   | 985126   | 45.783 | nq    | 91       |
| 49) Acenaphthylene             | 14.13 | 152  | 5808932  | 45.576 | nq    | 99       |
| 50) Dimethylphthalate          | 13.87 | 163  | 6091726  | 57.424 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.00 | 165  | 1021602  | 45.463 | nq    | 94       |
| 52) Acenaphthene               | 14.47 | 154  | 3322529  | 42.604 | nq    | 98       |
| 53) 3-Nitroaniline             | 14.33 | 138  | 457664   | 20.202 | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 14.53 | 184  | 782883   | 65.765 | nq    | 92       |
| 55) Dibenzofuran               | 14.81 | 168  | 5393401  | 41.856 | nq    | 98       |
| 56) 4-Nitrophenol              | 14.65 | 139  | 1869189  | 95.507 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 14.79 | 165  | 1446787  | 45.505 | nq    | 98       |
| 58) Fluorene                   | 15.46 | 166  | 4378218  | 45.612 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 1280677  | 50.084 | nq    | 98       |
| 60) Diethylphthalate           | 15.24 | 149  | 4759729  | 44.444 | nq    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.46 | 204  | 2260321  | 40.857 | nq    | 97       |
| 62) 4-Nitroaniline             | 15.50 | 138  | 983187   | 39.788 | nq    | 99       |
| 63) Azobenzene                 | 15.75 | 77   | 3742879  | 42.866 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.55 | 198  | 667410   | 37.039 | nq    | 88       |
| 66) n-Nitrosodiphenylamine     | 15.67 | 169  | 3950599  | 43.363 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.35 | 248  | 1390672  | 42.312 | nq    | 98       |
| 68) Hexachlorobenzene          | 16.45 | 284  | 1527761  | 41.521 | nq    | 99       |
| 69) Atrazine                   | 16.63 | 200  | 1468219  | 44.577 | nq    | 99       |
| 70) Pentachlorophenol          | 16.80 | 266  | 2009265  | 83.380 | nq    | 100      |
| 71) Phenanthrene               | 17.20 | 178  | 7018539  | 44.927 | nq    | 100      |
| 72) Anthracene                 | 17.29 | 178  | 7126947  | 47.442 | nq    | 100      |
| 73) Carbazole                  | 17.57 | 167  | 6612835  | 42.846 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.12 | 149  | 8122534  | 48.046 | nq    | 99       |
| 75) Fluoranthene               | 19.22 | 202  | 8374568  | 46.497 | nq    | 97       |
| 77) Benzidine                  | 19.42 | 184  | 3835940  | 49.959 | nq    | 99       |
| 78) Pyrene                     | 19.59 | 202  | 8533502  | 46.296 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 3932455  | 49.998 | nq    | 97       |
| 81) Benzo(a)anthracene         | 21.34 | 228  | 8380397  | 45.746 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 1441815  | 20.813 | nq    | 100      |
| 83) Chrysene                   | 21.39 | 228  | 7819034  | 44.200 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 5647571  | 49.726 | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.15 | 149  | 9644289  | 50.488 | nq    | # 95     |
| 86) Indeno(1,2,3-cd)pyrene     | 25.96 | 276  | 7212549  | 35.358 | nq    | 96       |
| 88) Benzo(b)fluoranthene       | 22.95 | 252  | 7490942  | 47.596 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 22.99 | 252  | 7461268  | 47.042 | nq    | 98       |
| 90) Benzo(a)pyrene             | 23.54 | 252  | 7044580  | 46.754 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 25.97 | 278  | 6079553  | 39.822 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 26.68 | 276  | 5778195  | 38.893 | nq    | 97       |

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





#1

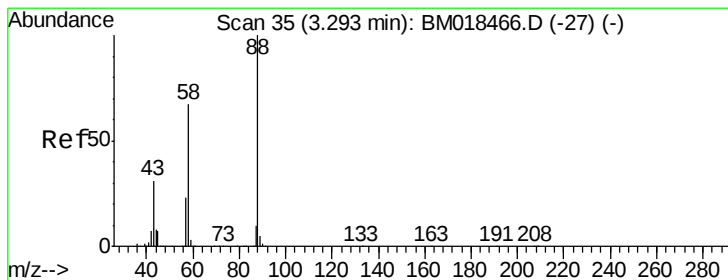
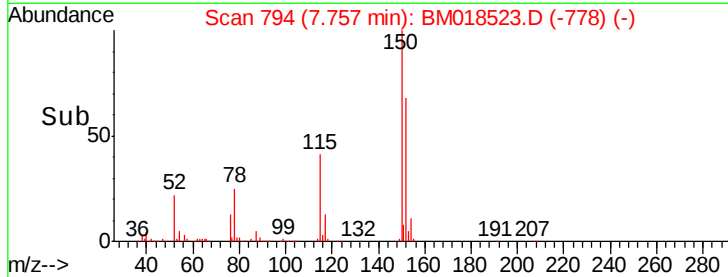
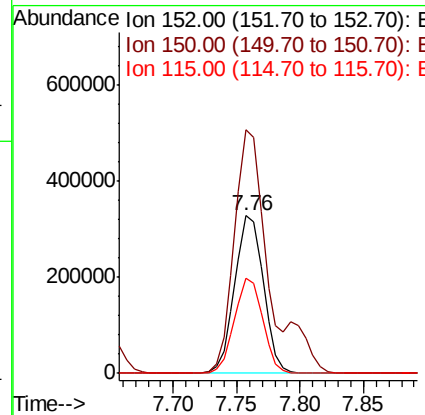
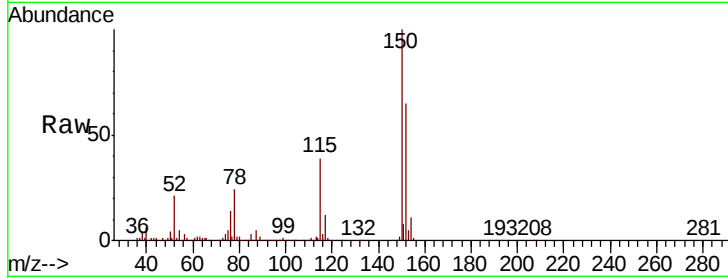
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.76 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 126.9 | 190.3 |
| 115     | 60.2  | 45.5  | 68.3  |

Manual Integrations  
APPROVED

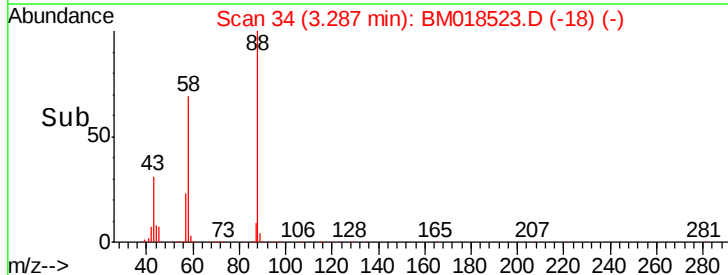
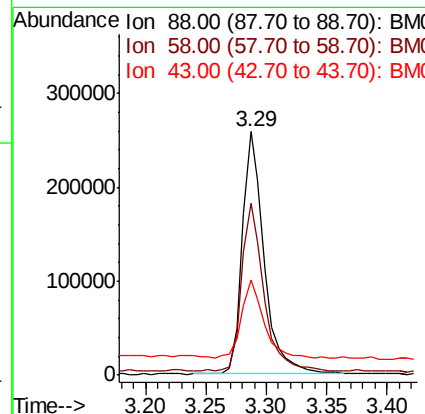
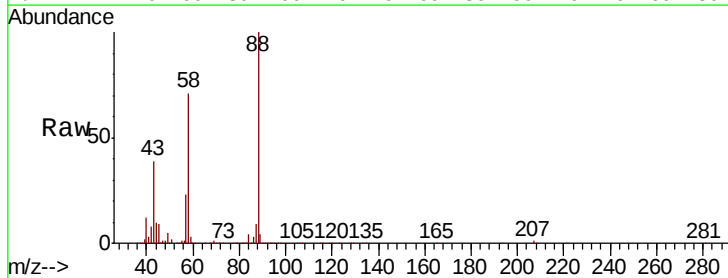
Sohil  
1/11/2019 4:41:11 PM

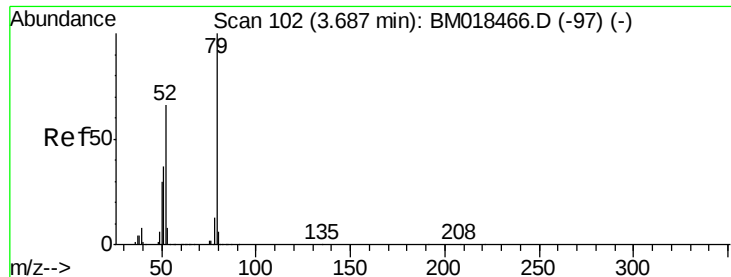


#2

1,4-Dioxane  
Concen: 28.885 ng  
RT: 3.29 min Scan# 34  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 70.1  | 58.4  | 87.6  |
| 43      | 32.2  | 26.2  | 39.4  |





#3

Pvridine

Concen: 33.650 ng

RT: 3.68 min Scan# 101

Delta R.T. -0.03 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

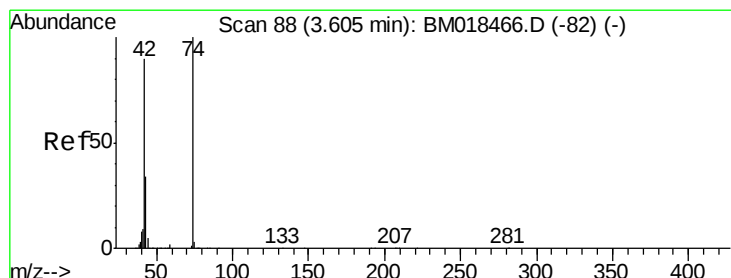
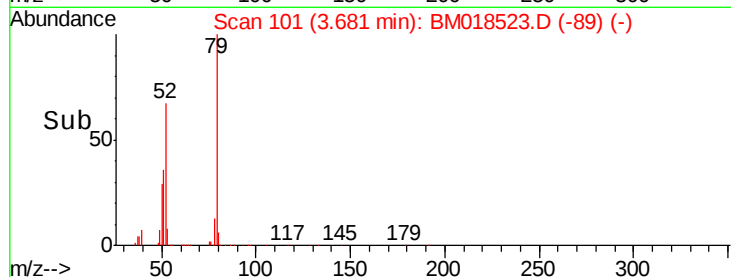
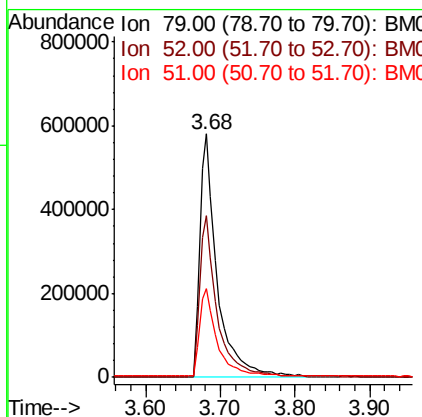
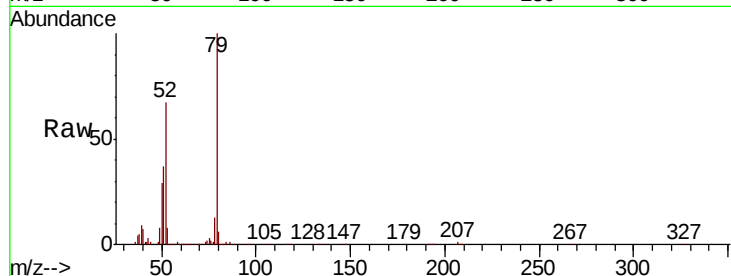
ClientSampleId :

TP-16MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 950348 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 66.7  | 56.4  | 84.6   |
| 51        | 36.6  | 31.0  | 46.4   |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



#4

n-Nitrosodimethylamine

Concen: 45.379 ng

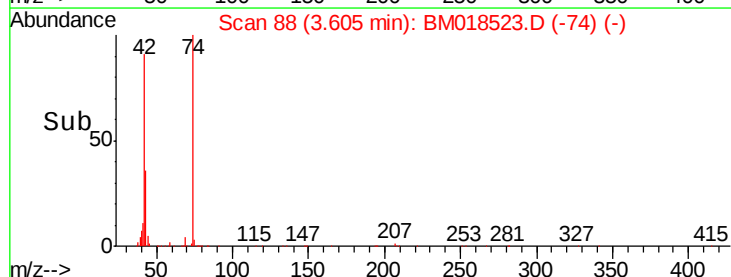
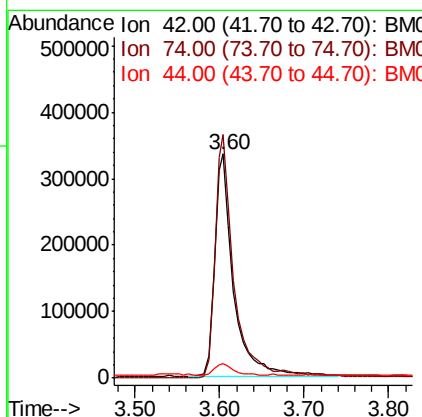
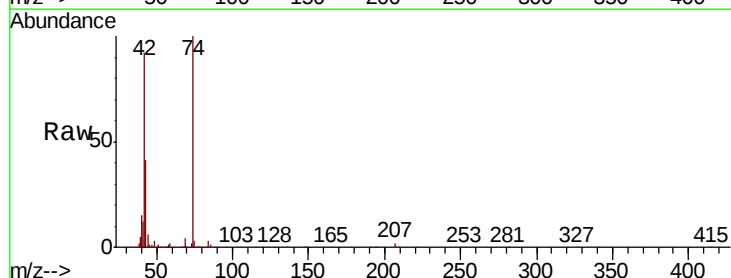
RT: 3.60 min Scan# 88

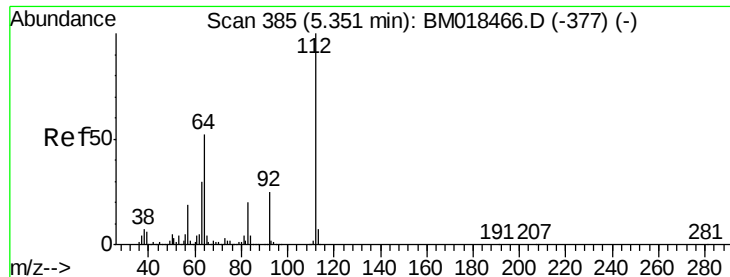
Delta R.T. -0.02 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 529949 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 108.7 | 88.6  | 132.8  |
| 44        | 6.2   | 16.9  | 25.3   |





#5

2-Fluorophenol

Concen: 141.246 ng

RT: 5.35 min Scan# 385

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion:112 Resp: 3925657

Ion Ratio Lower Upper

112 100

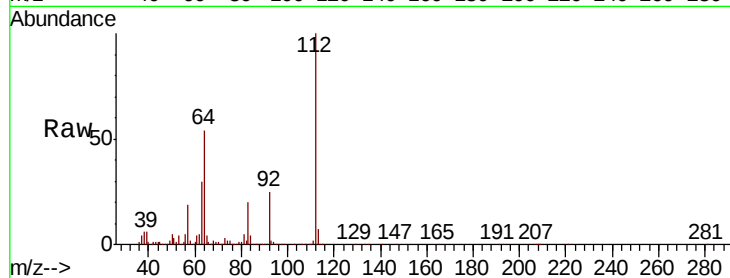
64 54.3 46.5 69.7

63 29.8 25.2 37.8

Manual Integrations  
APPROVED

Sohil

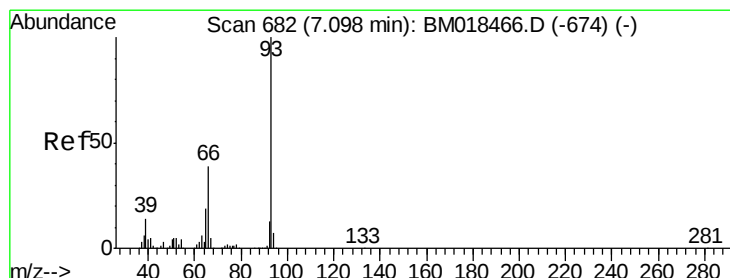
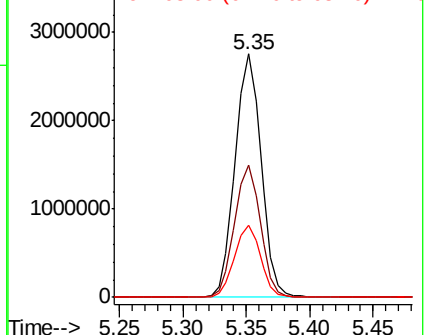
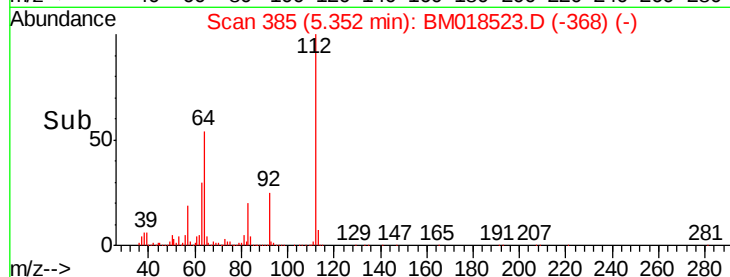
1/11/2019 4:41:11 PM



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: 23.538 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

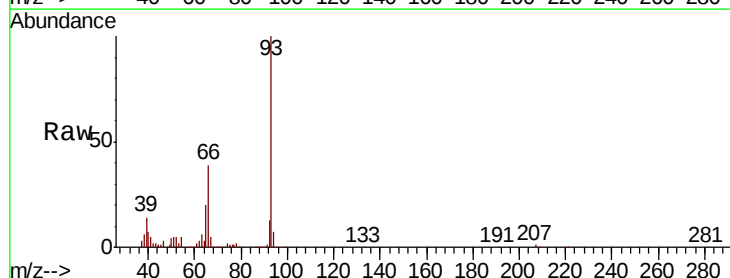
Tgt Ion: 93 Resp: 926869

Ion Ratio Lower Upper

93 100

66 38.7 31.7 47.5

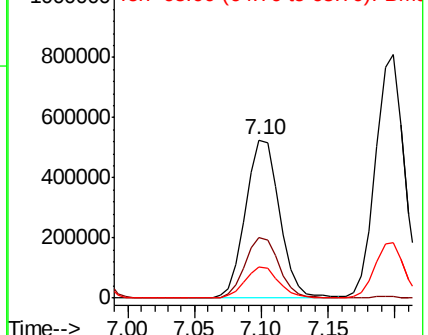
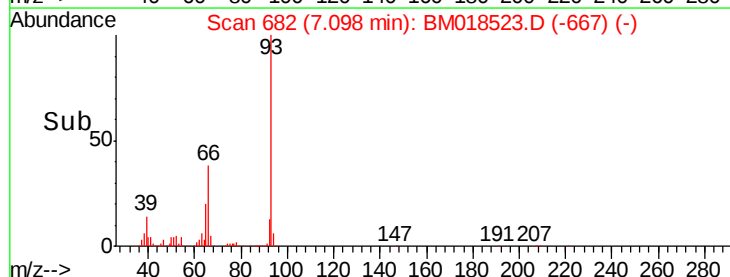
65 20.0 15.9 23.9

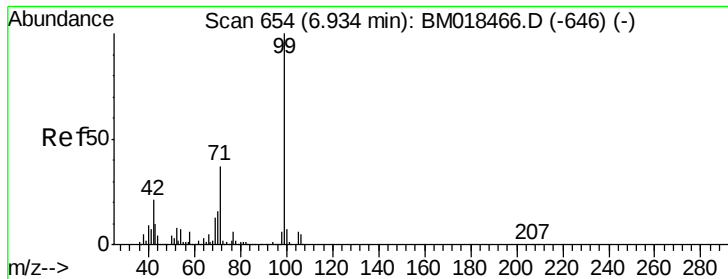


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 149.529 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion: 99 Resp: 5278456

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

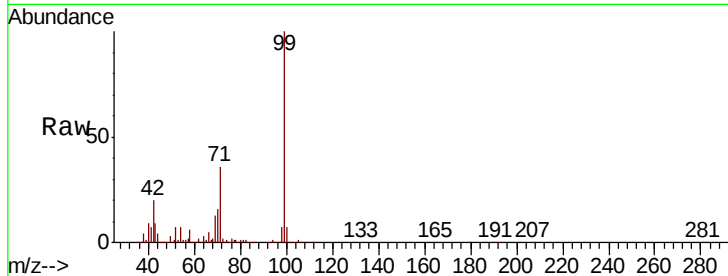
71 36.3 28.0 42.0

Manual Integrations

APPROVED

Sohil

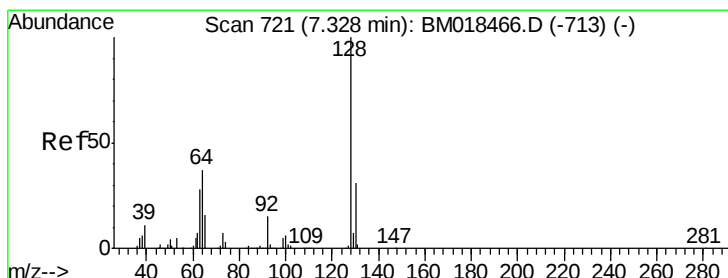
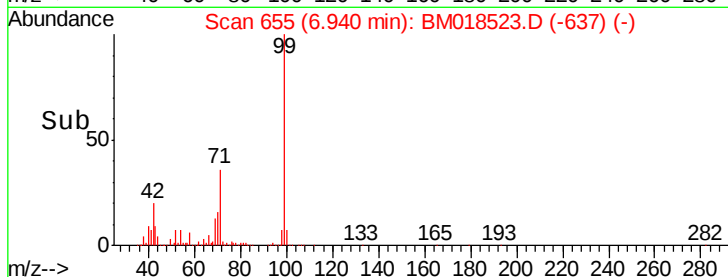
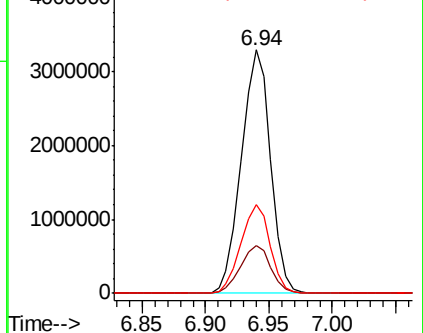
1/11/2019 4:41:11 PM



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#8

2-Chlorophenol

Concen: 47.342 ng

RT: 7.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

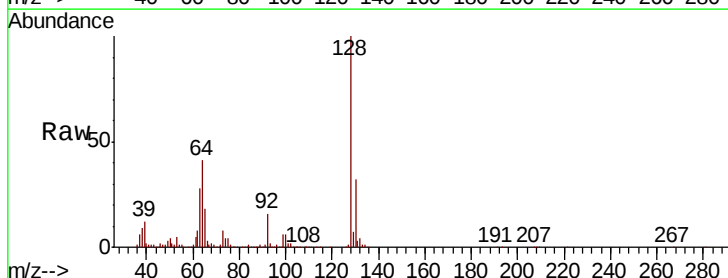
Tgt Ion:128 Resp: 1536712

Ion Ratio Lower Upper

128 100

130 32.0 13.6 53.6

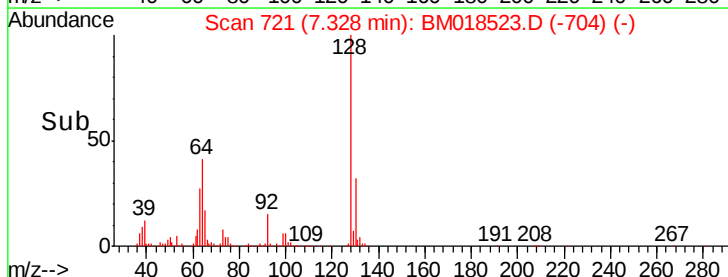
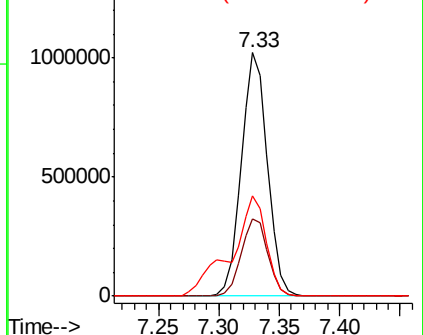
64 41.1 24.8 64.8

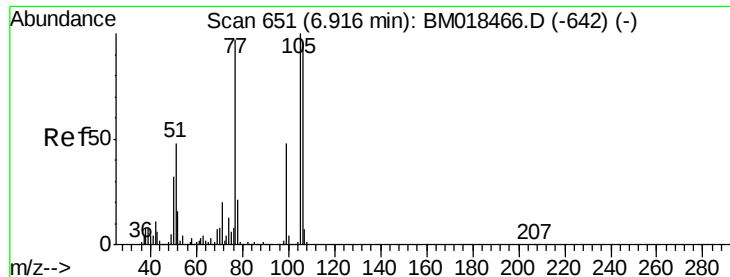


Abundance Ion 128.00 (127.70 to 128.70): BM018466.D (-713) (-)

Ion 130.00 (129.70 to 130.70): BM018466.D (-713) (-)

Ion 64.00 (63.70 to 64.70): BM018466.D (-713) (-)





#9

Benzaldehyde

Concen: 19.160 ng

RT: 6.91 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion: 77 Resp: 448589

Ion Ratio Lower Upper

77 100

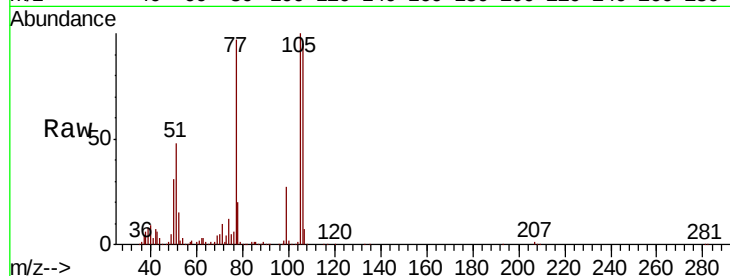
105 102.6 79.7 119.7

106 97.2 75.2 115.2

Manual Integrations  
APPROVED

Sohil

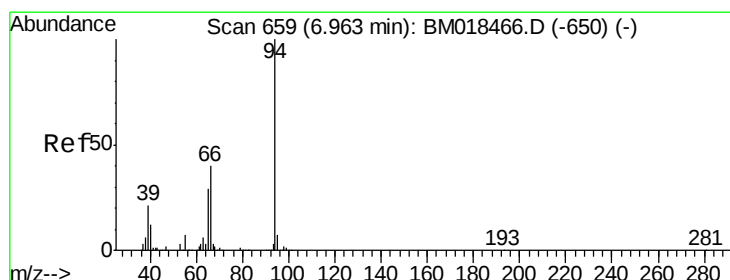
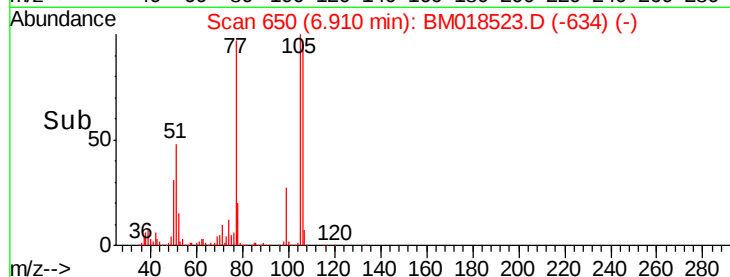
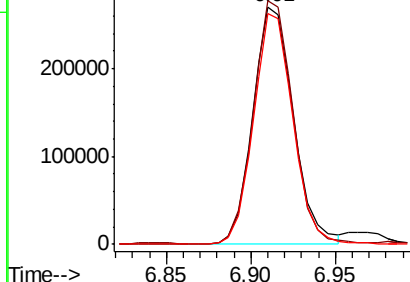
1/11/2019 4:41:11 PM



Abundance Ion 77.00 (76.70 to 77.70): BM018466.D (-642) (-)

Ion 105.00 (104.70 to 105.70): BM018466.D (-642) (-)

Ion 106.00 (105.70 to 106.70): BM018466.D (-642) (-)



#10

Phenol

Concen: 50.201 ng

RT: 6.97 min Scan# 660

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

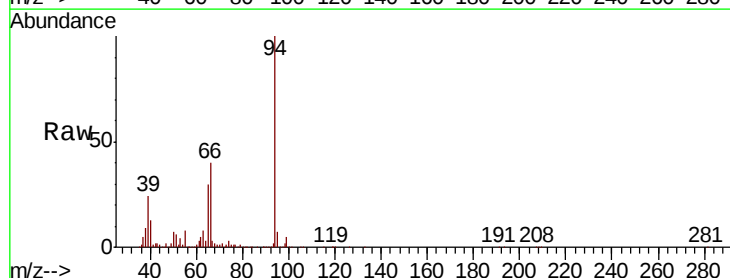
Tgt Ion: 94 Resp: 1800769

Ion Ratio Lower Upper

94 100

65 29.5 9.4 49.4

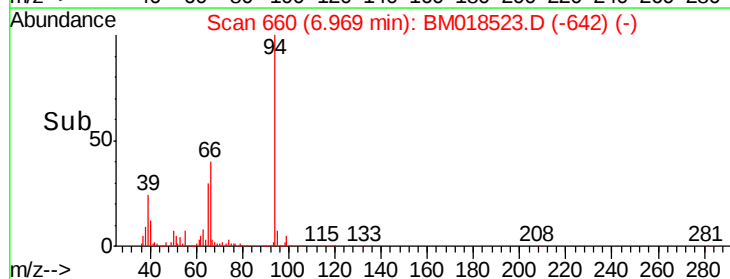
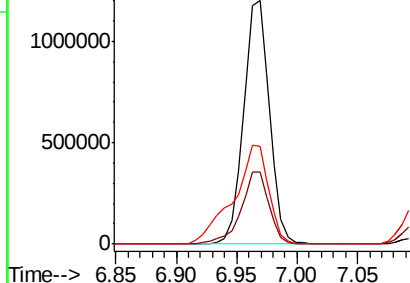
66 40.0 19.1 59.1

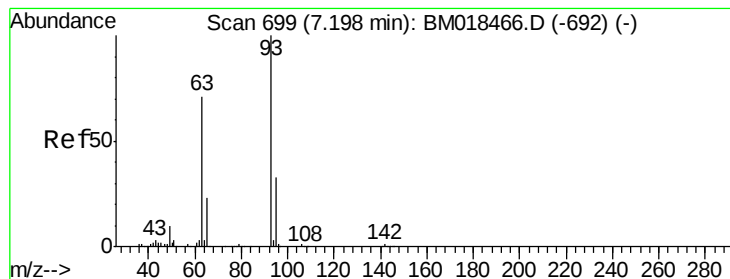


Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)





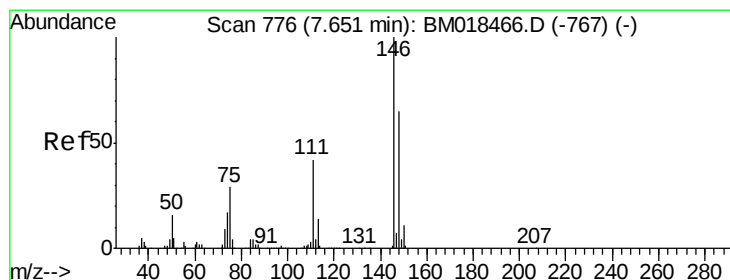
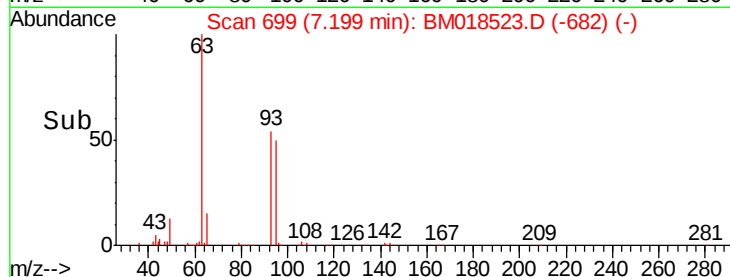
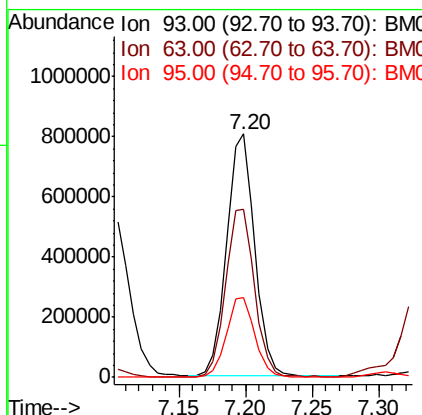
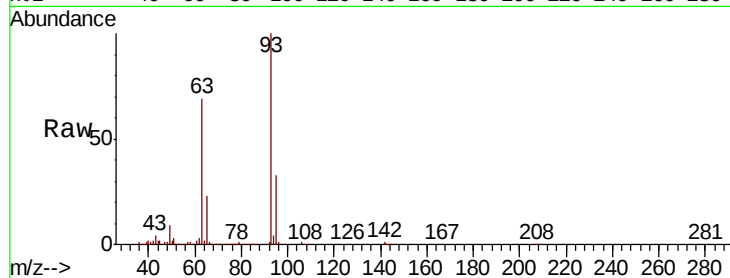
#11  
bis(2-Chloroethyl)ether  
Concen: 42.104 ng  
RT: 7.20 min Scan# 699  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 69.2  | 56.4  | 96.4  |
| 95      | 32.8  | 12.7  | 52.7  |

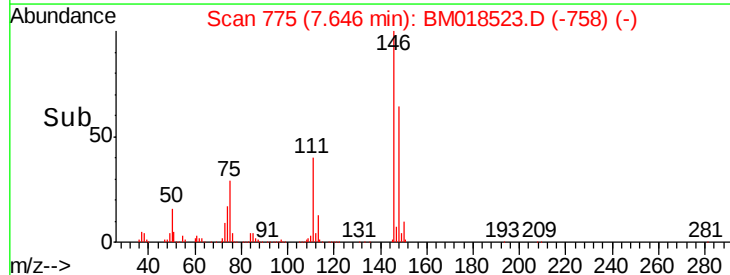
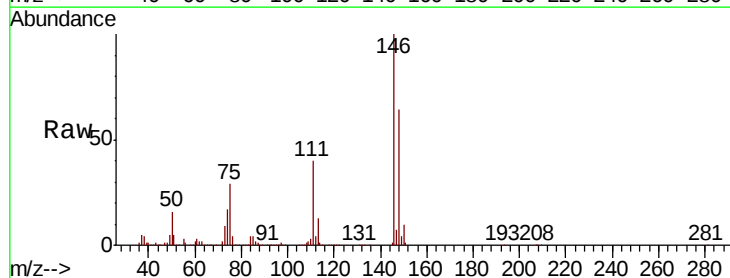
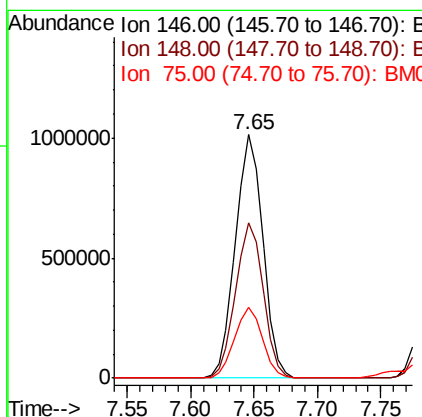
Manual Integrations  
APPROVED

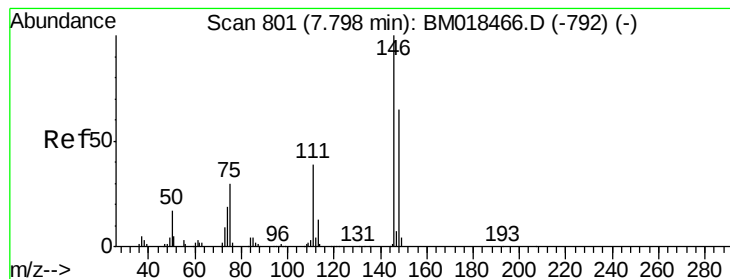
Sohil  
1/11/2019 4:41:11 PM



#12  
1,3-Dichlorobenzene  
Concen: 39.532 ng  
RT: 7.65 min Scan# 775  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 50.5  | 75.7  |
| 75      | 29.2  | 23.0  | 34.6  |





#13

1,4-Dichlorobenzene

Concen: 40.138 ng

RT: 7.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampled :

TP-16MSD

Tot Ion:146 Resp: 1572651

Ion Ratio Lower Upper

146 100

148 63.1 50.8 76.2

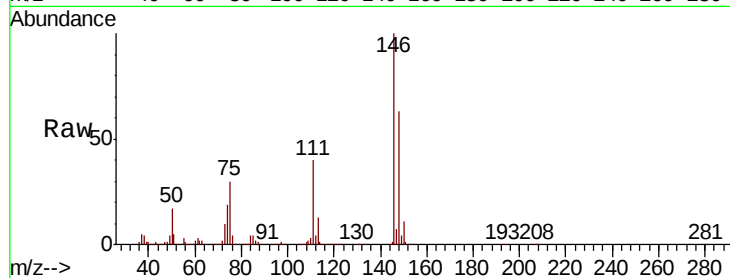
111 39.6 32.2 48.2

Manual Integrations

APPROVED

Sohil

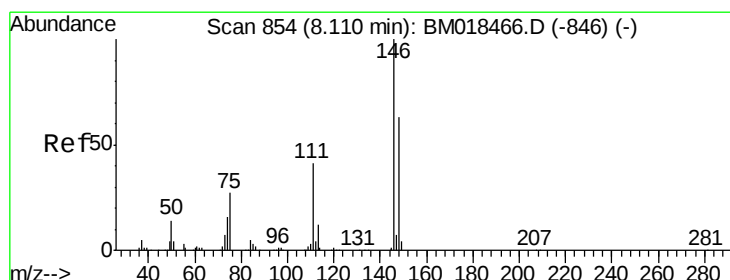
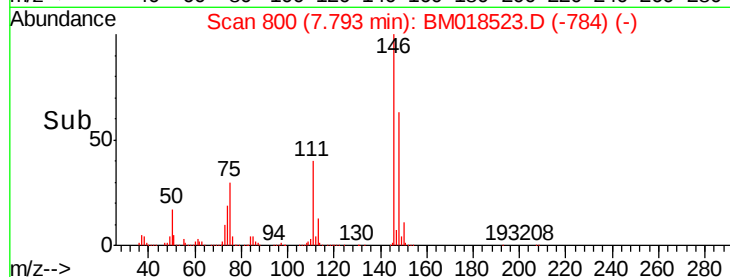
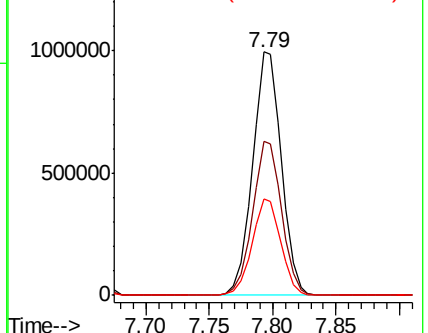
1/11/2019 4:41:11 PM



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.698 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

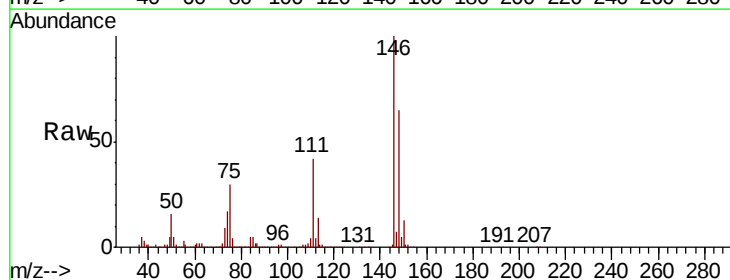
Tgt Ion:146 Resp: 1512000

Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.6

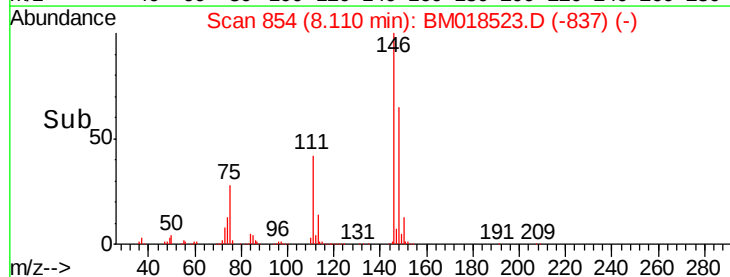
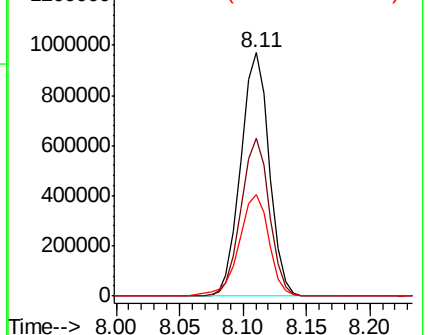
111 41.8 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





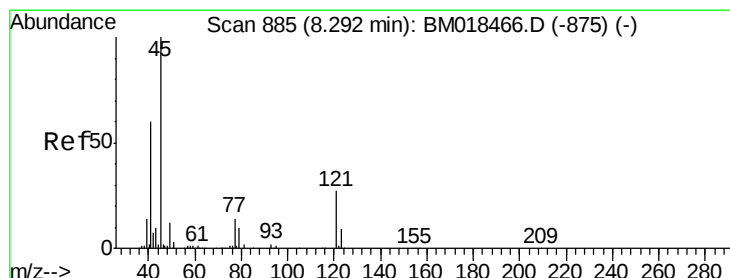
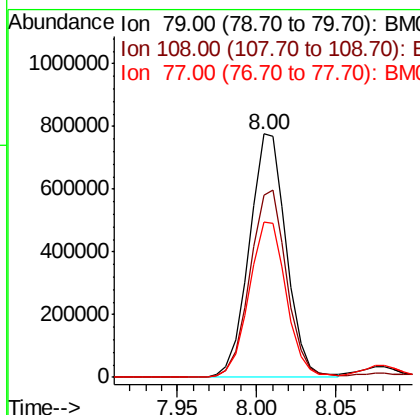
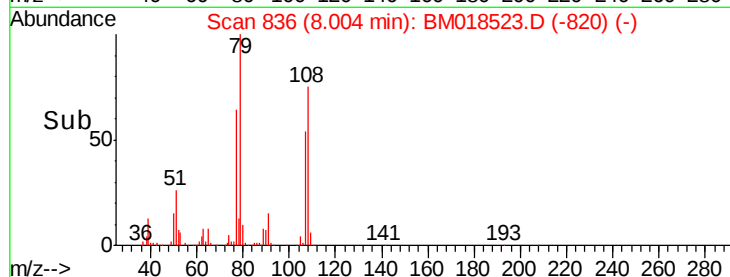
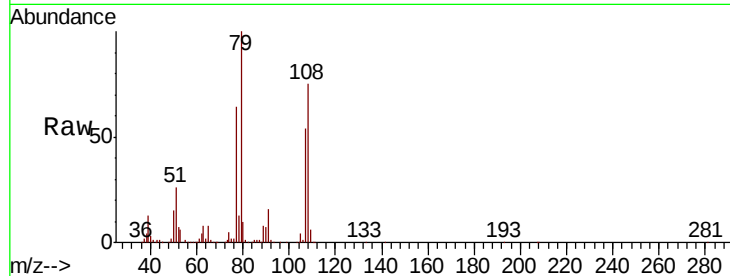
#15  
Benzyl Alcohol  
Concen: 49.376 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

Tot Ion: 79 Resp: 1258892  
Ion Ratio Lower Upper  
79 100  
108 74.8 60.4 90.6  
77 63.6 53.4 80.2

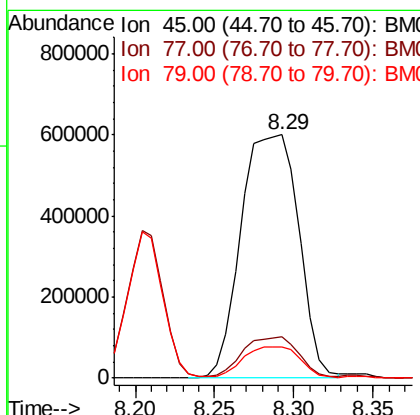
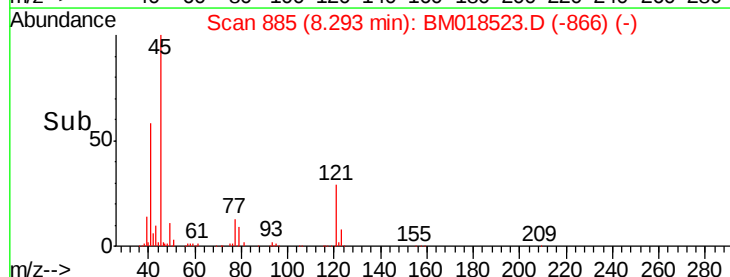
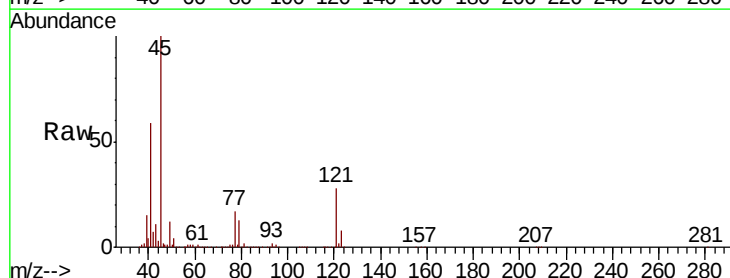
Manual Integrations  
APPROVED

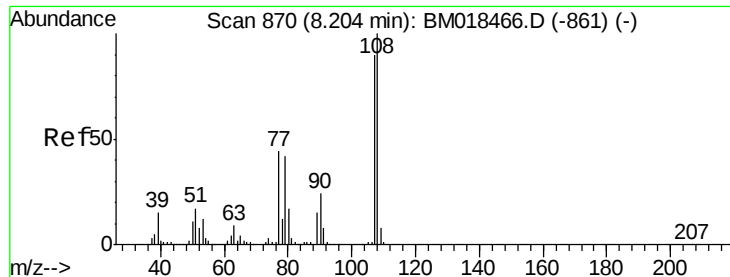
Sohil  
1/11/2019 4:41:11 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.990 ng  
RT: 8.29 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Tgt Ion: 45 Resp: 1512489  
Ion Ratio Lower Upper  
45 100  
77 16.8 0.0 33.4  
79 12.7 0.0 31.1





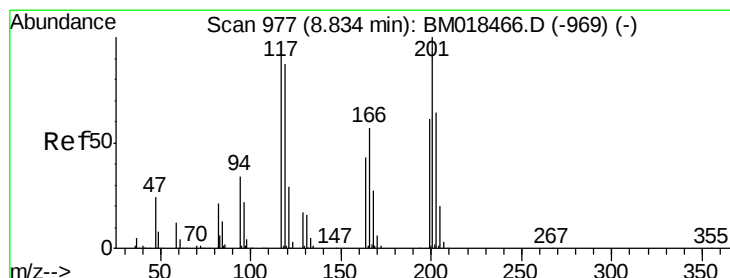
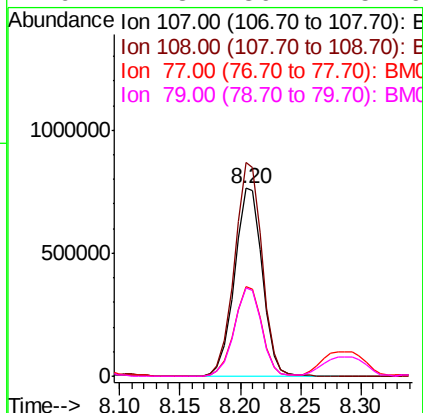
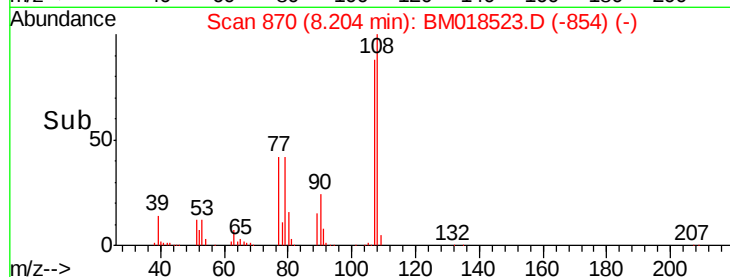
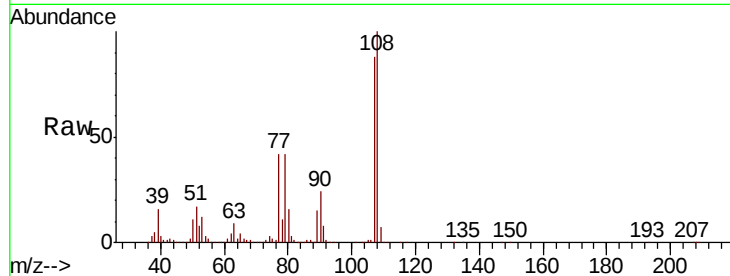
#17  
2-Methylphenol  
Concen: 50.290 ng  
RT: 8.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.8 | 87.5  | 131.3 |
| 77      | 47.7  | 37.3  | 55.9  |
| 79      | 47.3  | 36.4  | 54.6  |

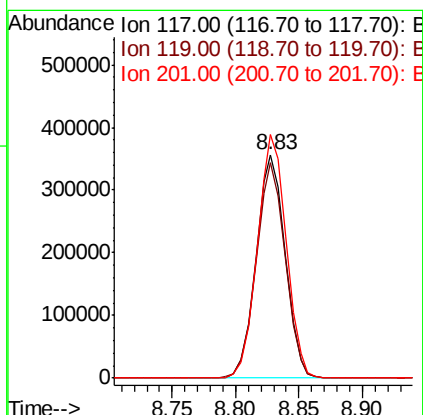
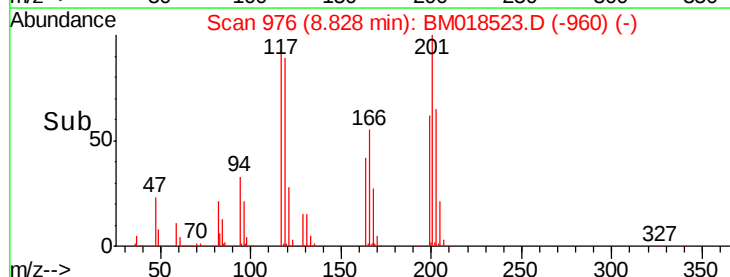
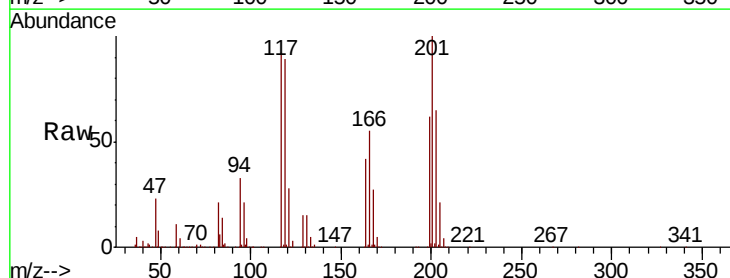
Manual Integrations  
APPROVED

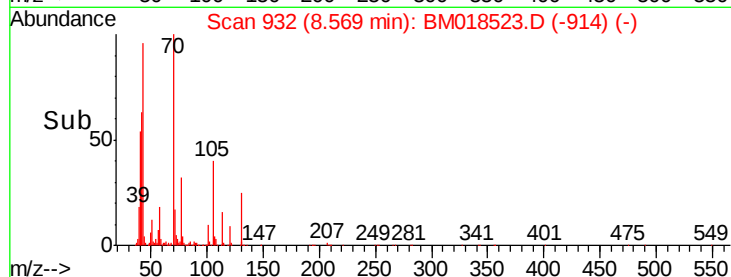
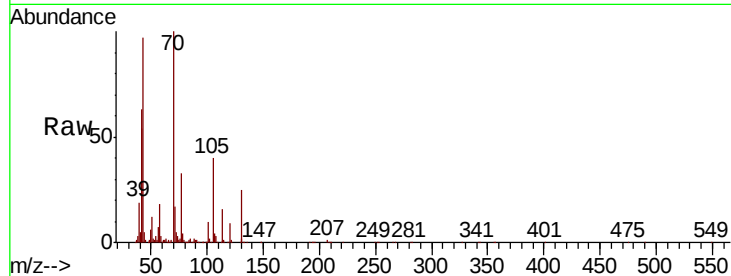
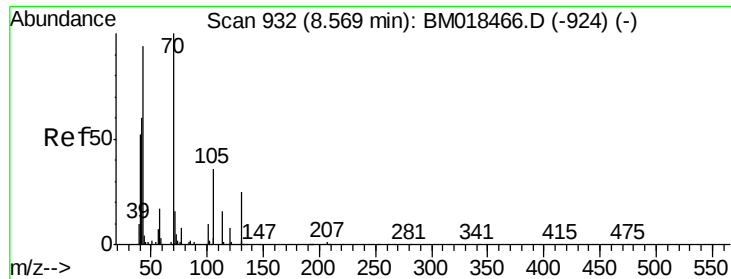
Sohil  
1/11/2019 4:41:11 PM



#18  
Hexachloroethane  
Concen: 40.683 ng  
RT: 8.83 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 78.3  | 117.5 |
| 201     | 108.9 | 81.4  | 122.0 |





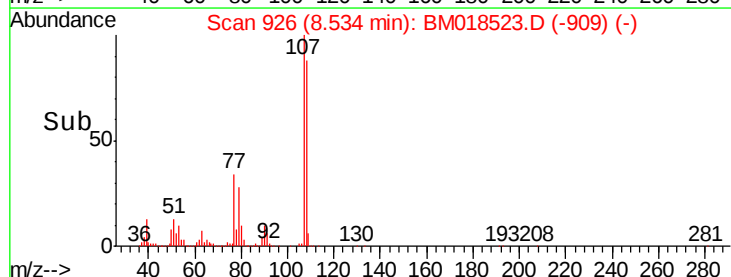
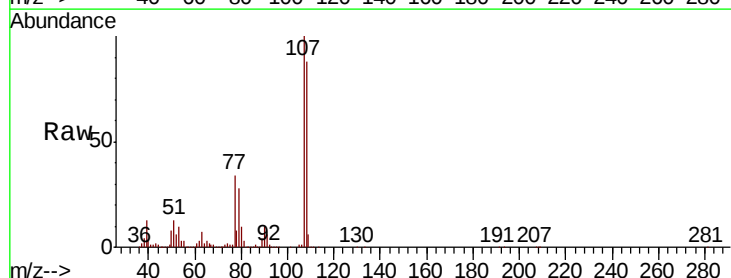
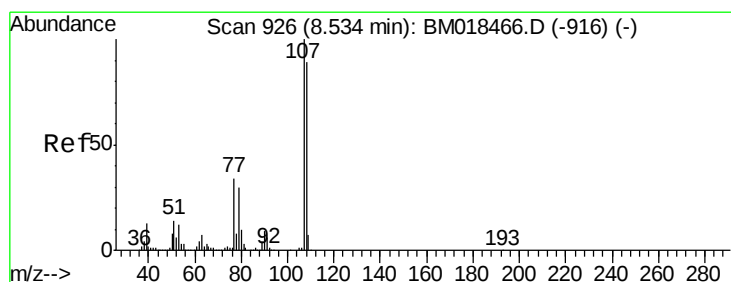
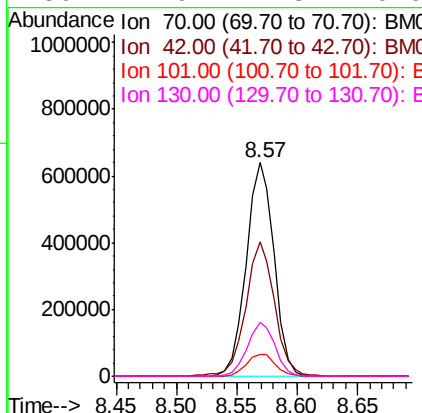
#19  
n-Nitroso-di-n-propylamine  
Concen: 44.550 ng  
RT: 8.57 min Scan# 932  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 62.7 | 54.0  | 81.0  |       |
| 101     | 10.5 | 8.1   | 12.1  |       |
| 130     | 24.9 | 17.8  | 26.6  |       |

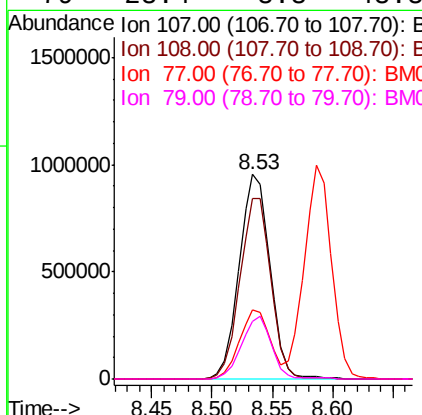
Manual Integrations  
APPROVED

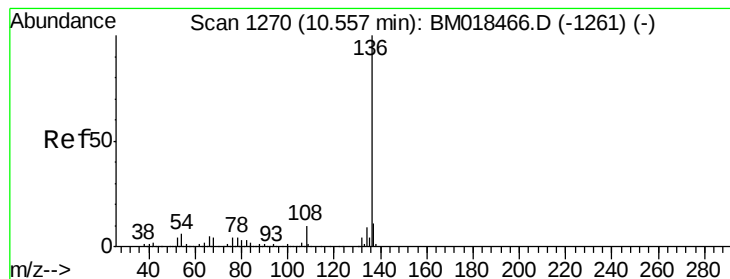
Sohil  
1/11/2019 4:41:11 PM



#20  
3+4-Methylphenols  
Concen: 50.641 ng  
RT: 8.53 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 88.4 | 66.8  | 106.8 |       |
| 77      | 33.9 | 13.3  | 53.3  |       |
| 79      | 28.4 | 8.8   | 48.8  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

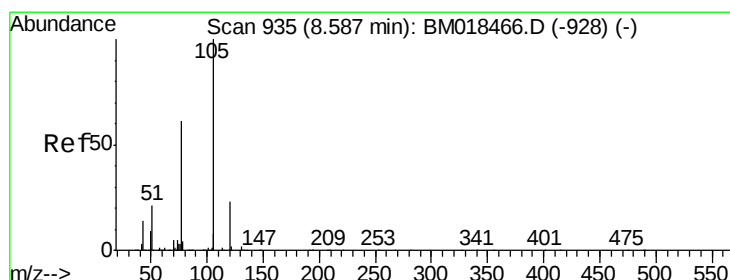
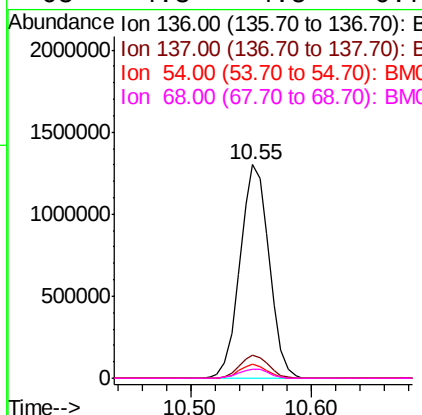
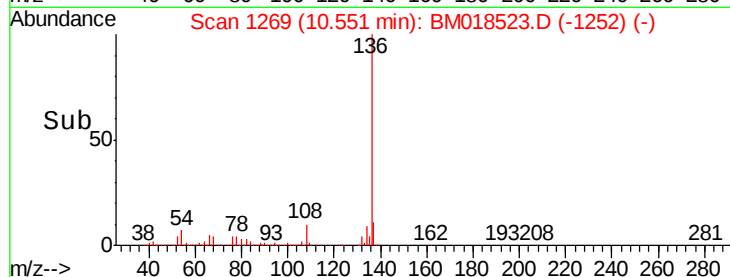
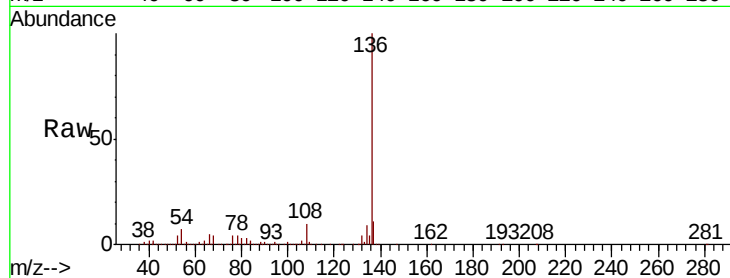
ClientSampleId :

TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.7  | 8.5   | 12.7  |
| 54      | 6.6   | 6.0   | 9.0   |
| 68      | 4.3   | 4.5   | 6.7#  |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



#22

Acetophenone

Concen: 38.780 ng

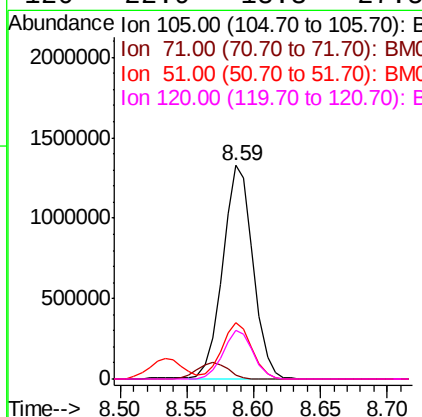
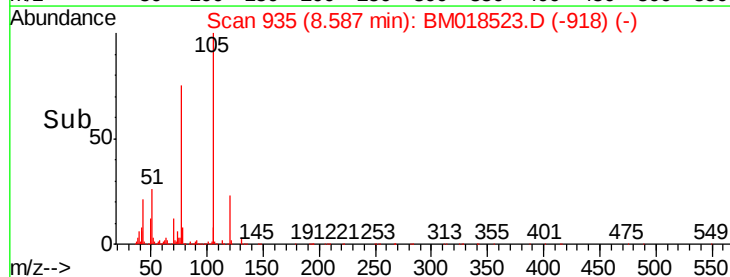
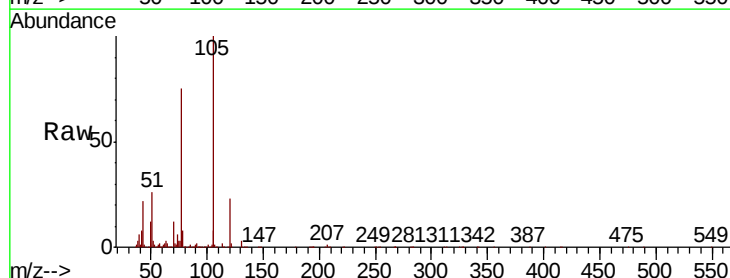
RT: 8.59 min Scan# 935

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 2.0   | 1.7   | 2.5   |
| 51      | 26.5  | 22.6  | 34.0  |
| 120     | 22.9  | 18.3  | 27.5  |





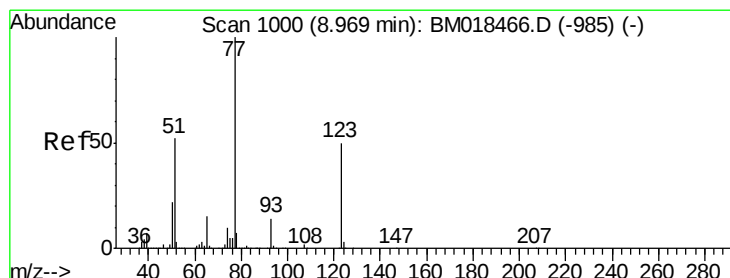
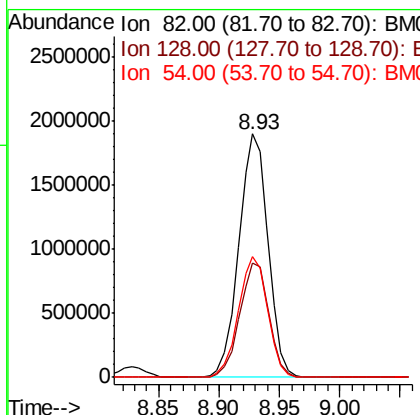
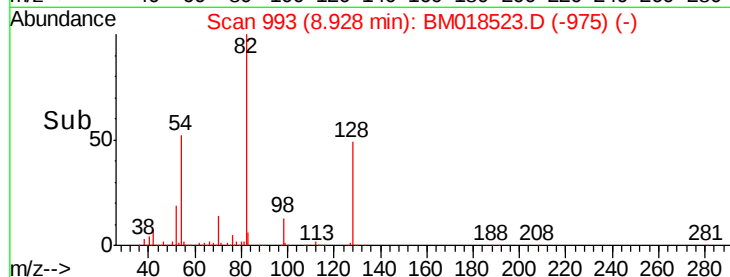
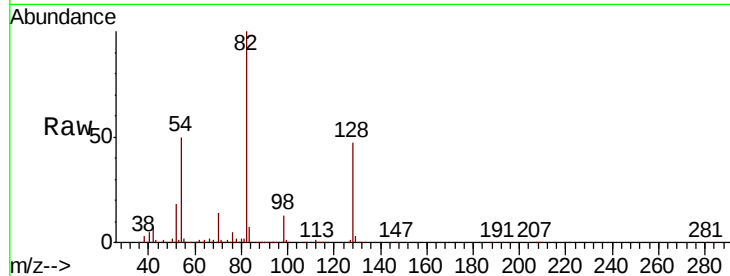
#23  
 Nitrobenzene-d5  
 Concen: 84.650 ng  
 RT: 8.93 min Scan# 993  
 Delta R.T. 0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.9  | 36.3  | 54.5  |
| 54      | 49.9  | 41.7  | 62.5  |

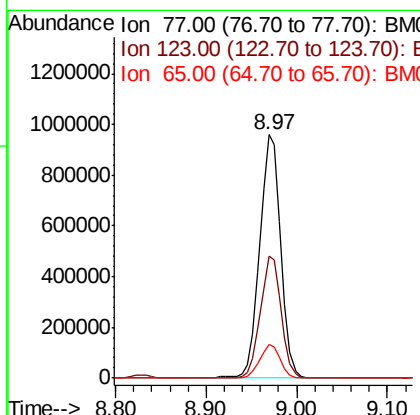
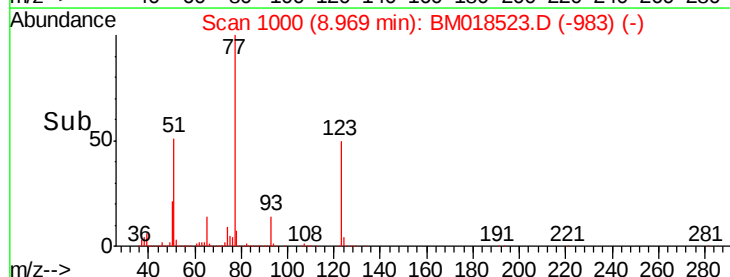
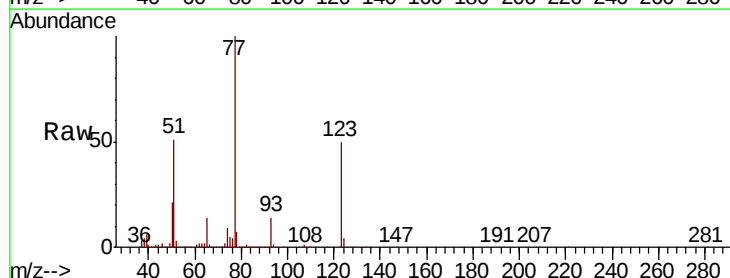
Manual Integrations  
 APPROVED

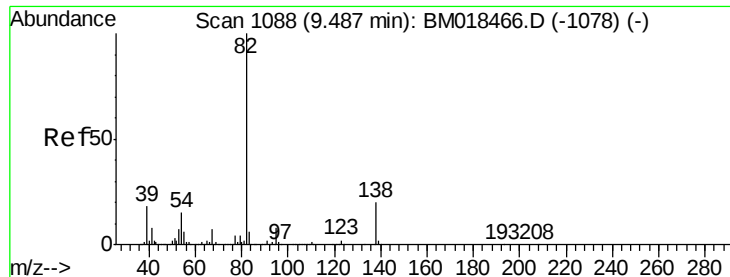
Sohil  
 1/11/2019 4:41:11 PM



#24  
 Nitrobenzene  
 Concen: 41.490 ng  
 RT: 8.97 min Scan# 1000  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 50.1  | 37.7  | 56.5  |
| 65      | 13.6  | 11.0  | 16.6  |





#25

Isophorone

Concen: 50.217 ng

RT: 9.49 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion: 82 Resp: 2866379

Ion Ratio Lower Upper

82 100

95 8.1 6.1 9.1

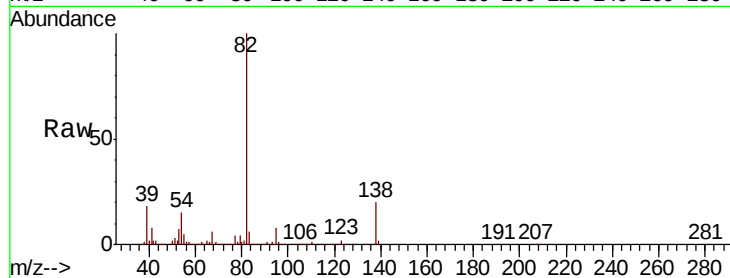
138 20.0 15.1 22.7

Manual Integrations

APPROVED

Sohil

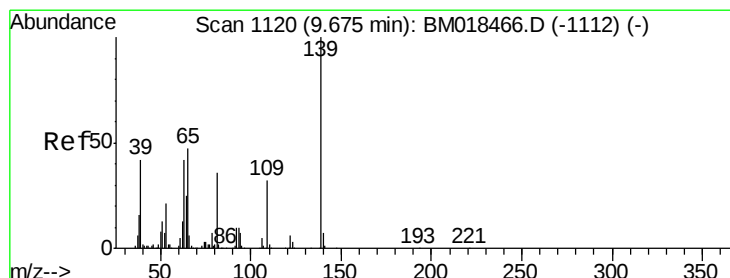
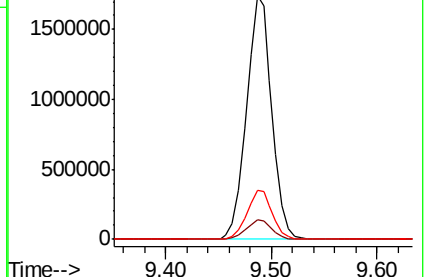
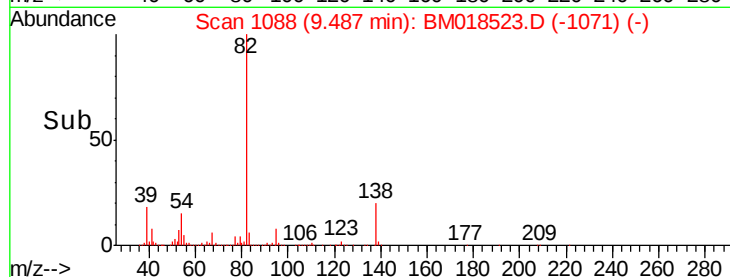
1/11/2019 4:41:11 PM



Abundance Ion 82.00 (81.70 to 82.70): BM018523.D (-1071) (-)

Ion 95.00 (94.70 to 95.70): BM018523.D (-1071) (-)

Ion 138.00 (137.70 to 138.70): BM018523.D (-1071) (-)



#26

2-Nitrophenol

Concen: 47.765 ng

RT: 9.67 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

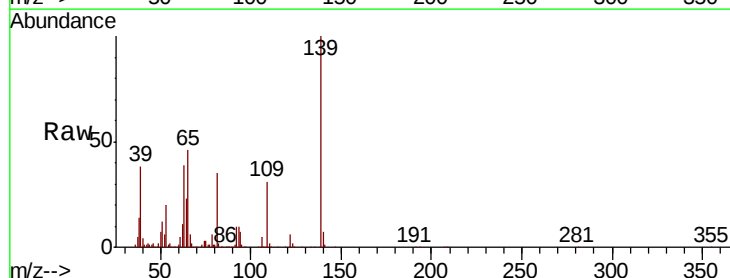
Tgt Ion: 139 Resp: 856598

Ion Ratio Lower Upper

139 100

109 30.9 23.4 35.2

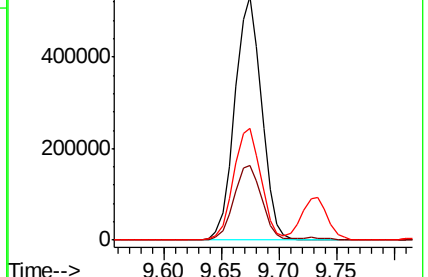
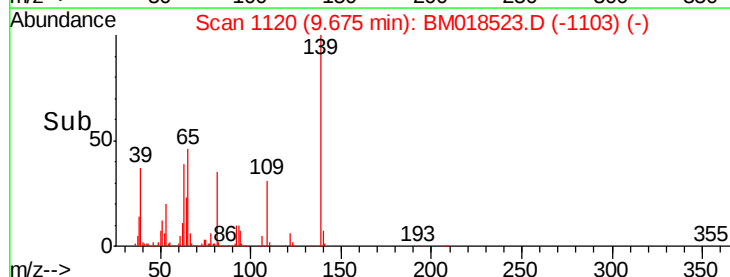
65 45.7 39.4 59.2



Abundance Ion 139.00 (138.70 to 139.70): BM018523.D (-1103) (-)

Ion 109.00 (108.70 to 109.70): BM018523.D (-1103) (-)

Ion 65.00 (64.70 to 65.70): BM018523.D (-1103) (-)





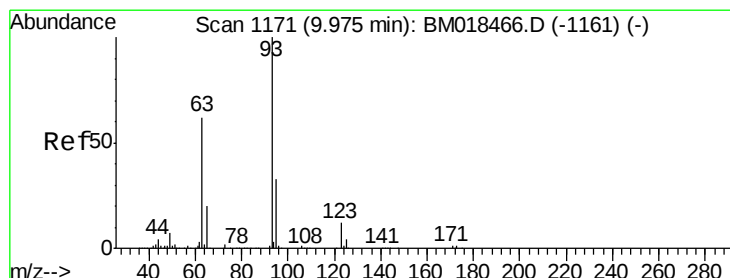
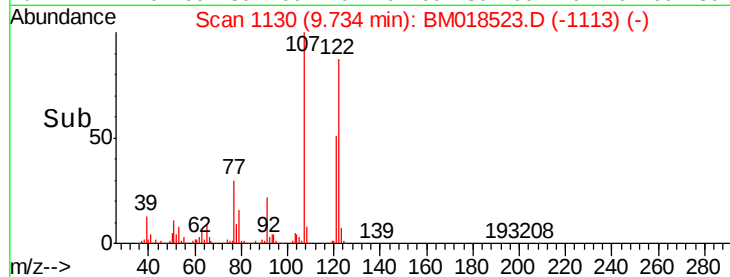
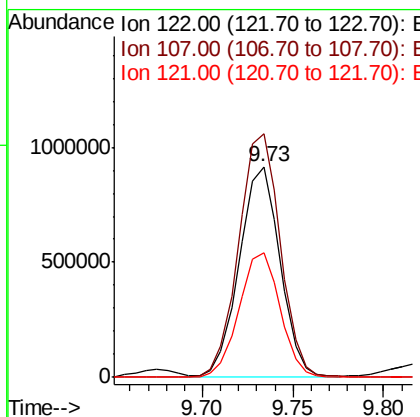
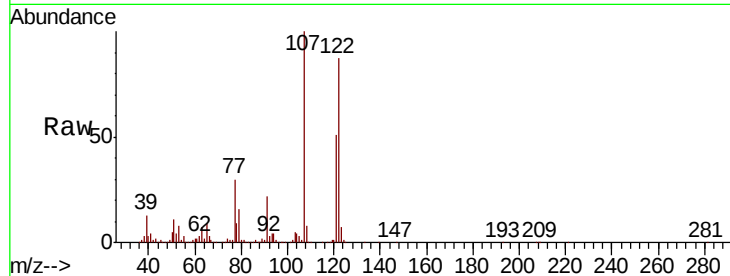
#27  
 2,4-Dimethylphenol  
 Concen: 52.860 ng  
 RT: 9.73 min Scan# 1130  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 115.5 | 91.9  | 137.9 |
| 121     | 59.1  | 47.5  | 71.3  |

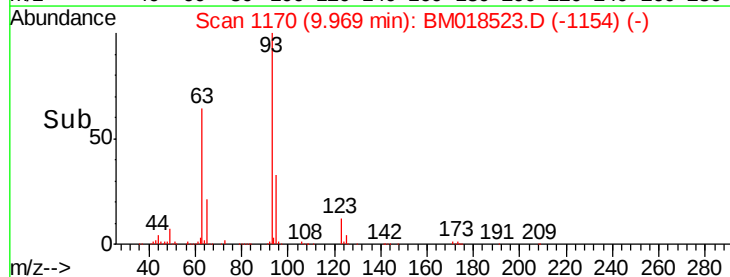
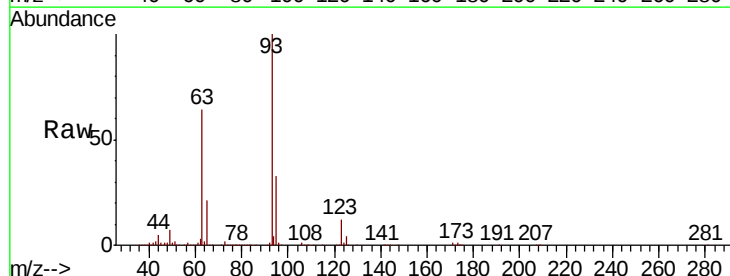
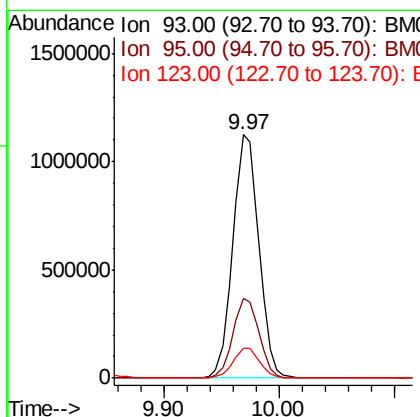
Manual Integrations  
 APPROVED

Sohil  
 1/11/2019 4:41:11 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.571 ng  
 RT: 9.97 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 26.6  | 39.8  |
| 123     | 12.3  | 9.9   | 14.9  |





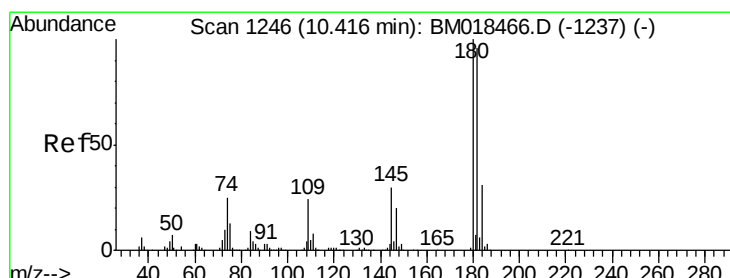
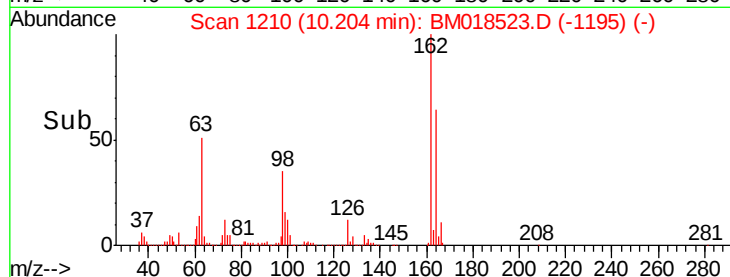
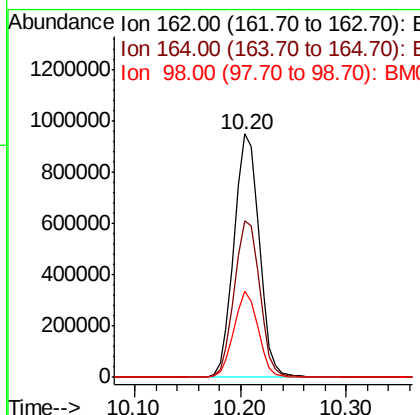
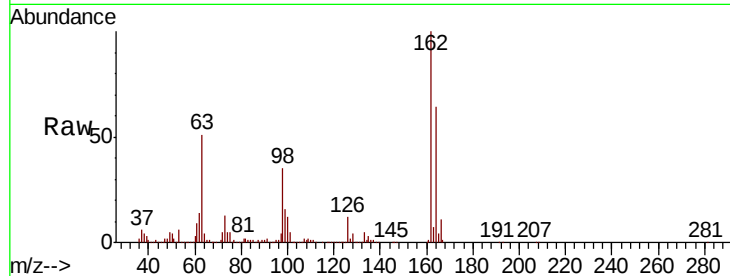
#29  
 2,4-Dichlorophenol  
 Concen: 49.007 ng  
 RT: 10.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.4  | 45.6  | 85.6  |
| 98      | 35.1  | 14.7  | 54.7  |

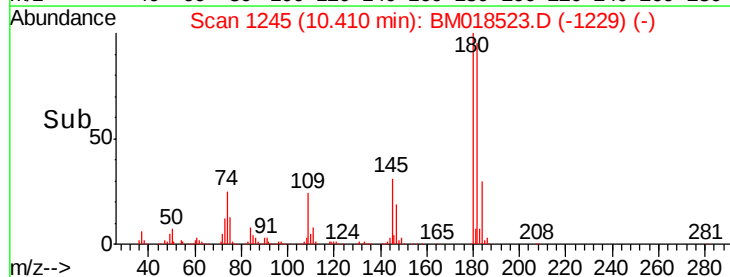
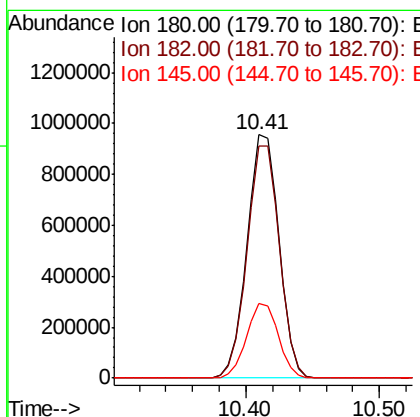
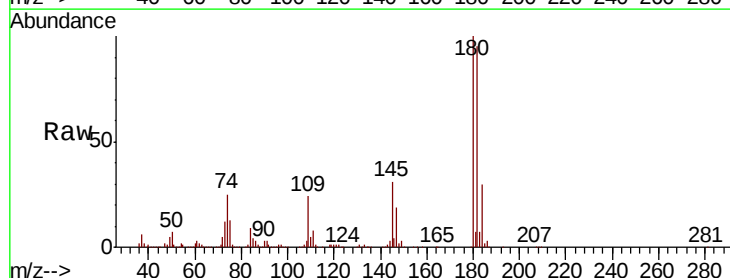
Manual Integrations  
 APPROVED

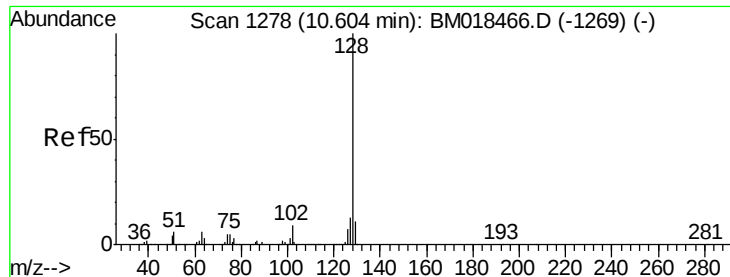
Sohil  
 1/11/2019 4:41:11 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.689 ng  
 RT: 10.41 min Scan# 1245  
 Delta R.T. -0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 77.4  | 116.2 |
| 145     | 30.7  | 24.6  | 37.0  |





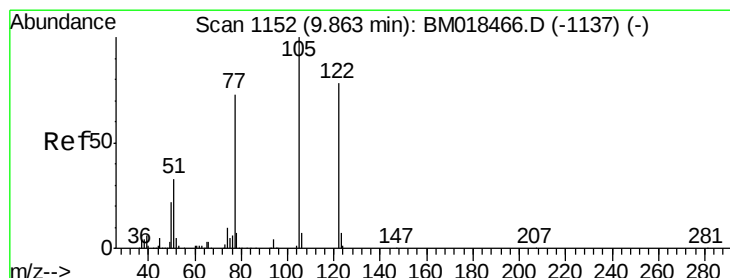
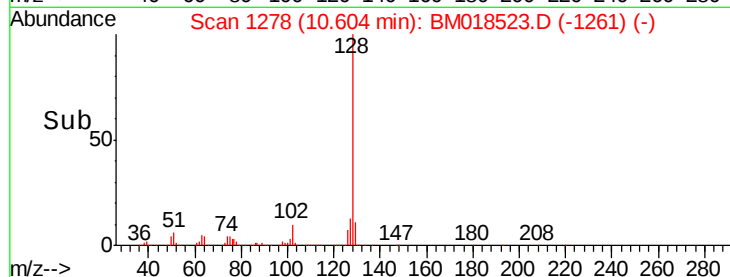
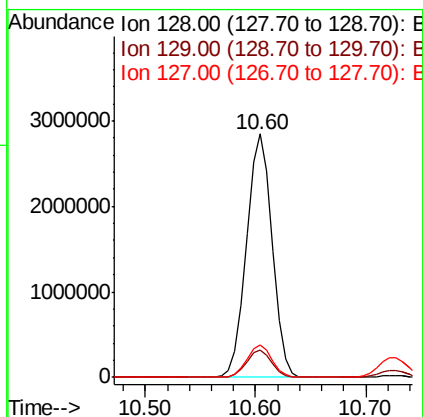
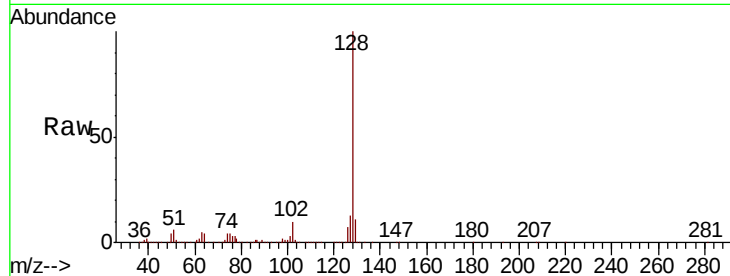
#31  
Naphthalene  
Concen: 44.099 ng  
RT: 10.60 min Scan# 1278  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 8.7   | 13.1  |
| 127     | 13.4  | 10.8  | 16.2  |

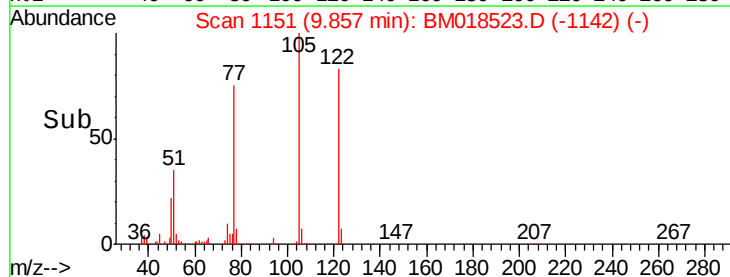
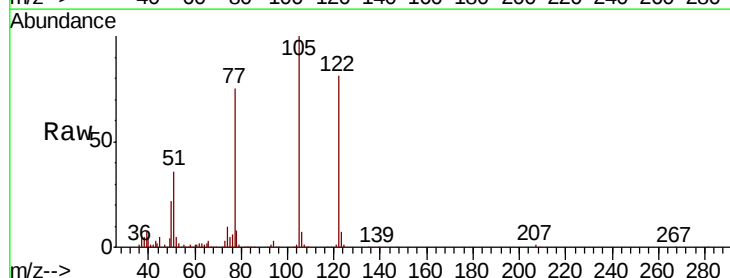
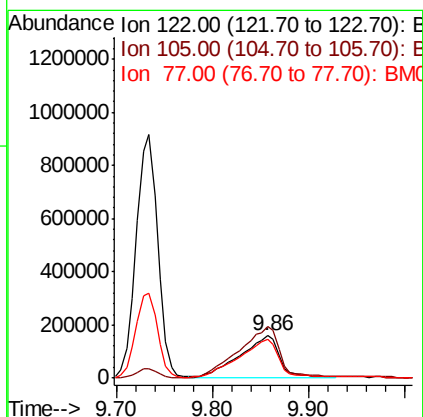
Manual Integrations  
APPROVED

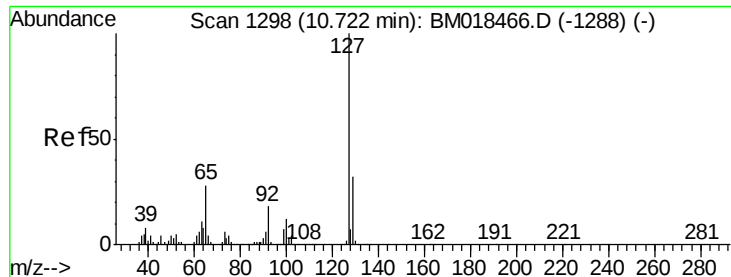
Sohil  
1/11/2019 4:41:11 PM



#32  
Benzoic acid  
Concen: 27.955 ng m  
RT: 9.86 min Scan# 1151  
Delta R.T. -0.05 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 122.8 | 100.4 | 140.4 |
| 77      | 92.0  | 71.7  | 111.7 |





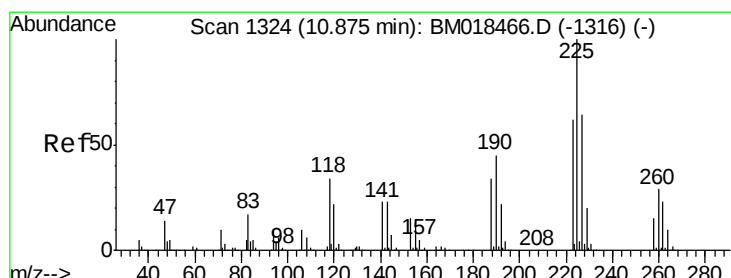
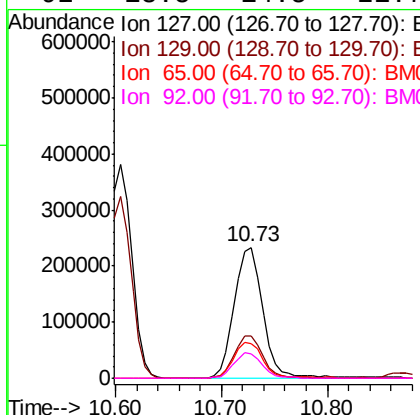
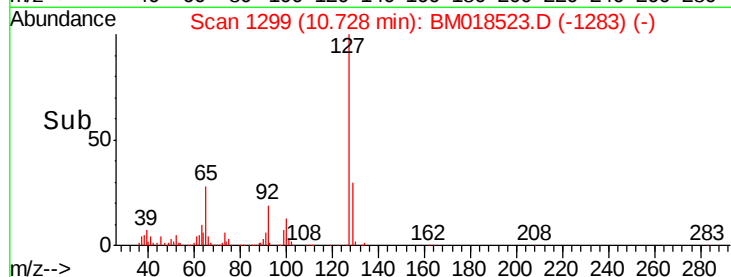
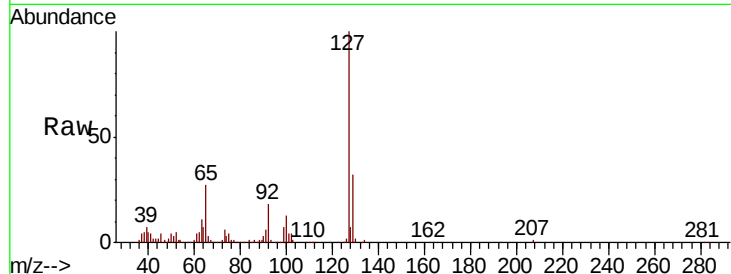
#33  
4-Chloroaniline  
Concen: 10.464 ng  
RT: 10.73 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.0  | 25.9  | 38.9  |
| 65      | 26.9  | 23.4  | 35.2  |
| 92      | 18.5  | 14.5  | 21.7  |

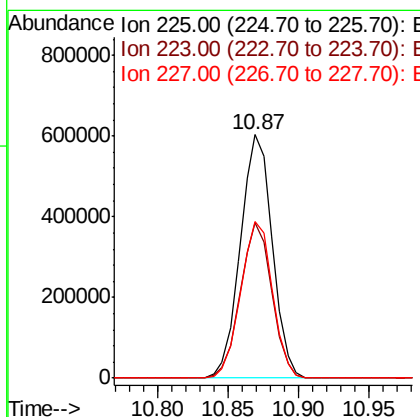
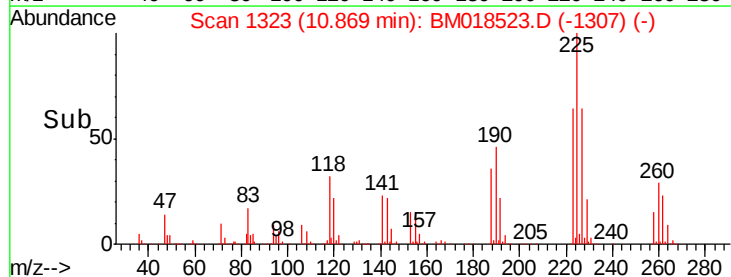
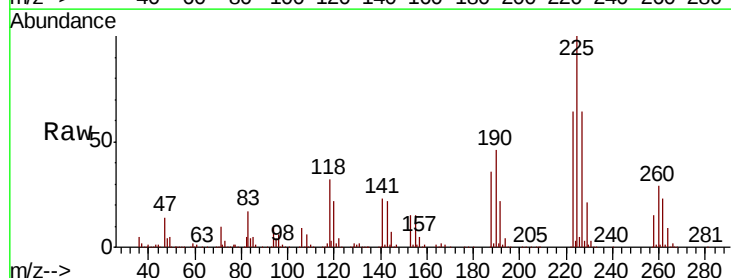
Manual Integrations  
APPROVED

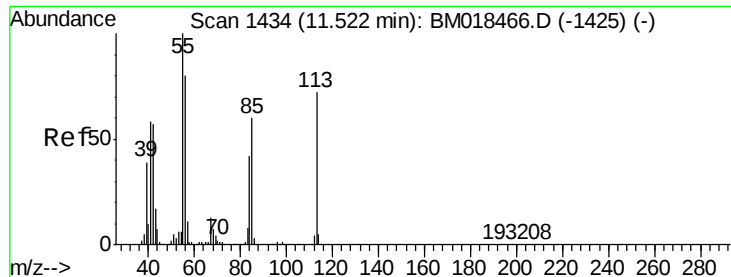
Sohil  
1/11/2019 4:41:11 PM



#34  
Hexachlorobutadiene  
Concen: 38.062 ng  
RT: 10.87 min Scan# 1323  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 50.8  | 76.2  |
| 227     | 64.3  | 50.4  | 75.6  |





#35

Caprolactam

Concen: 43.677 ng/ml

RT: 11.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

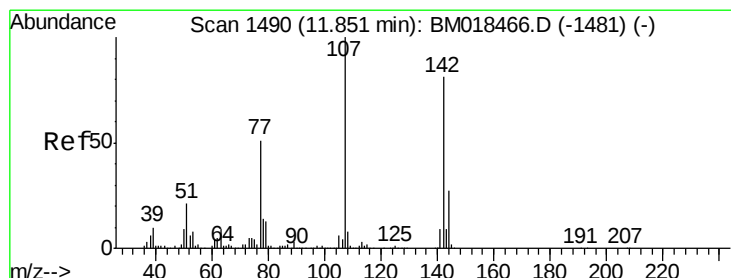
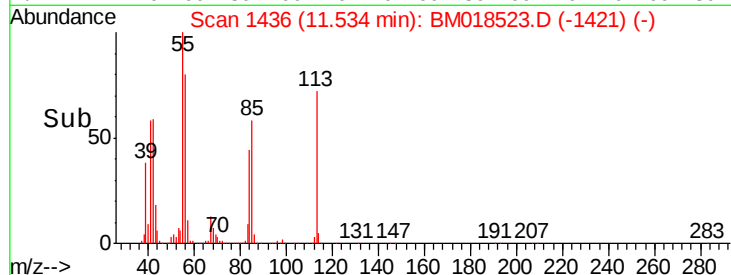
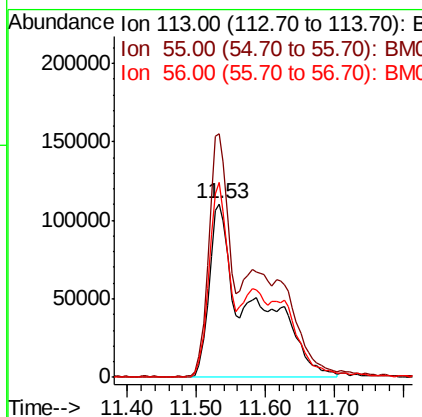
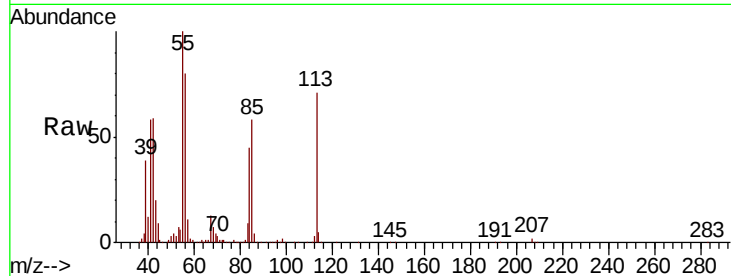
ClientSampleId :

TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 140.3 | 139.3 | 179.3 |
| 56      | 112.5 | 101.4 | 141.4 |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



#36

4-Chloro-3-methylphenol

Concen: 48.996 ng/ml

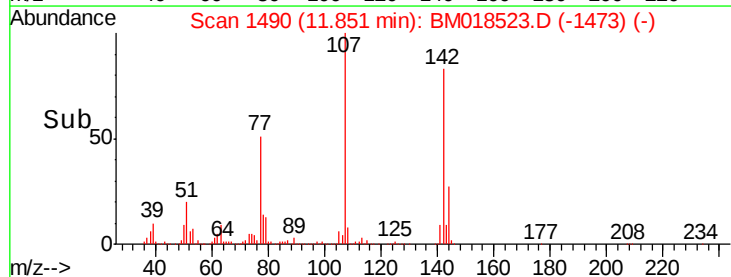
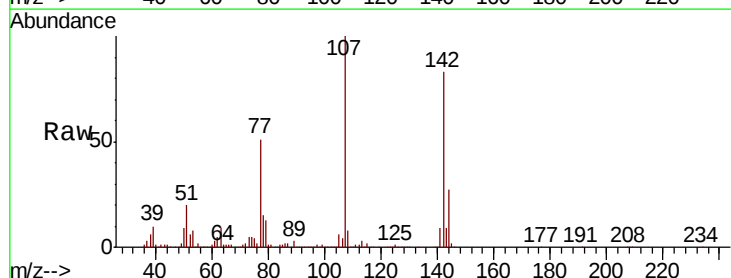
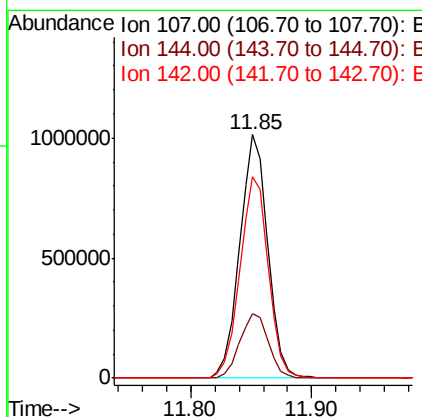
RT: 11.85 min Scan# 1490

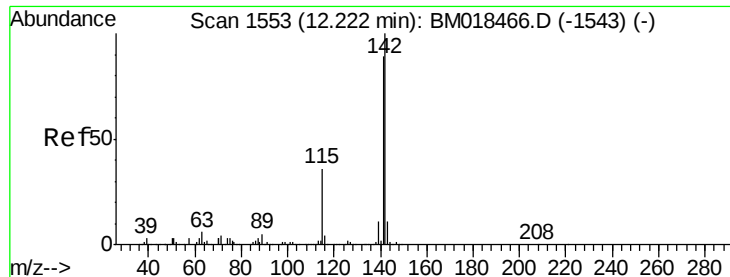
Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.6  | 21.9  | 32.9  |
| 142     | 82.7  | 67.9  | 101.9 |





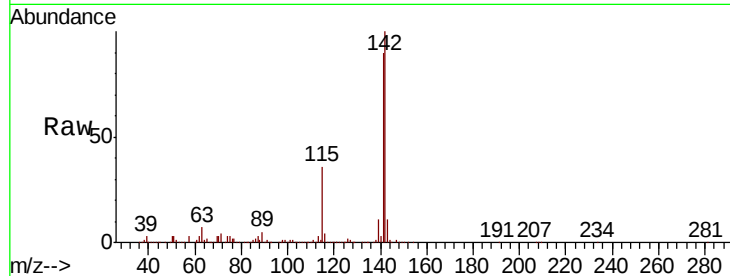
#37  
2-Methylnaphthalene  
Concen: 47.422 ng  
RT: 12.22 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.9  | 71.4  | 107.2 |
| 115     | 35.8  | 28.0  | 42.0  |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM

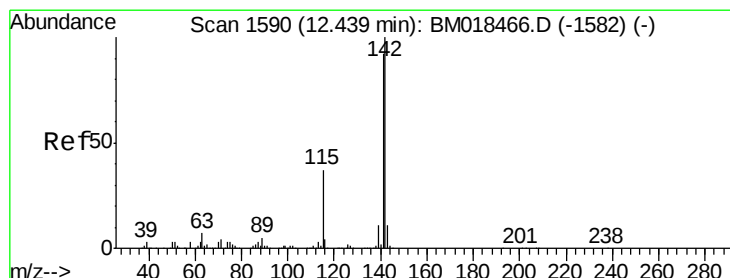
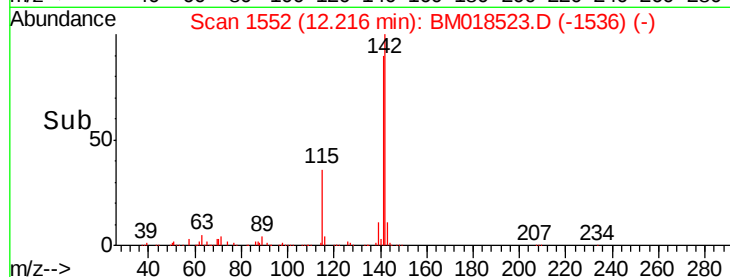
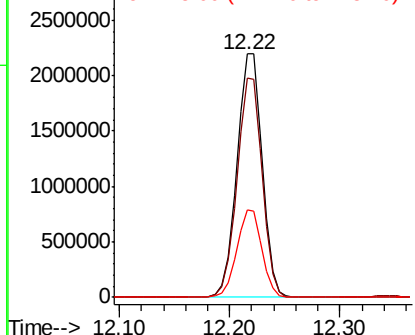


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 46.634 ng  
RT: 12.44 min Scan# 1590  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

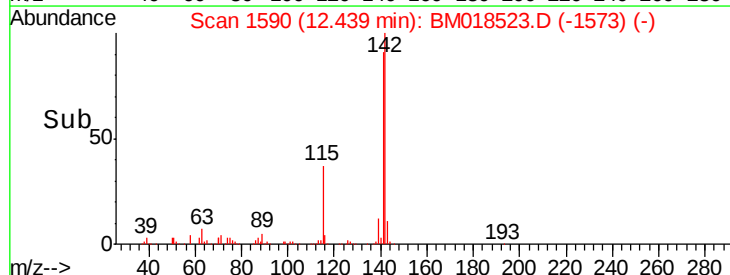
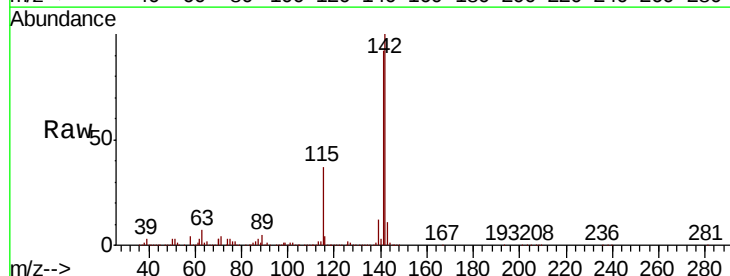
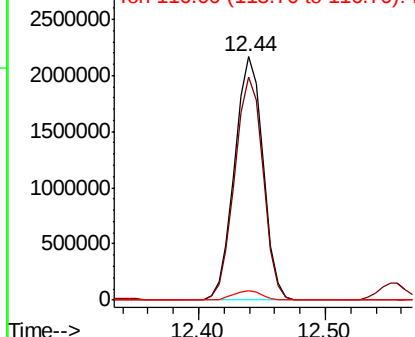
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.7  | 75.6  | 113.4 |
| 116     | 3.9   | 3.0   | 4.6   |

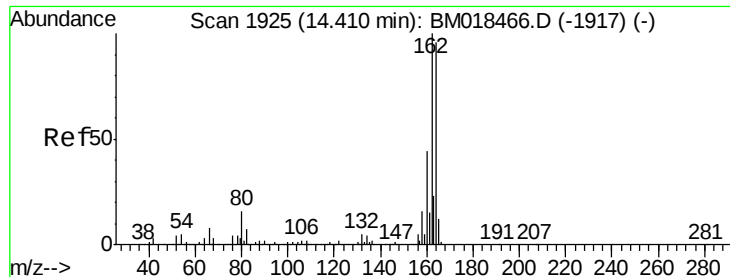
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.41 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion:164 Resp: 1291704

Ion Ratio Lower Upper

164 100

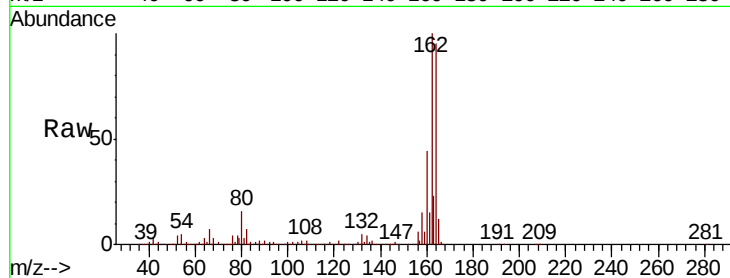
162 105.5 83.0 124.4

160 46.7 37.1 55.7

Manual Integrations  
APPROVED

Sohil

1/11/2019 4:41:11 PM

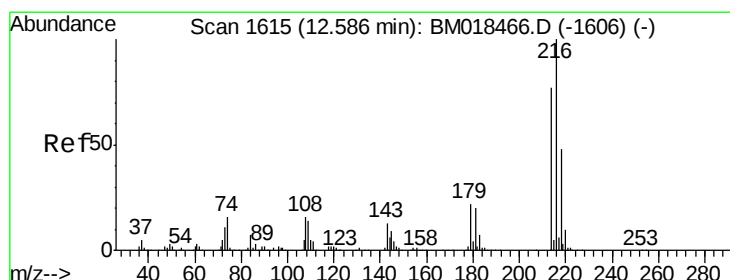
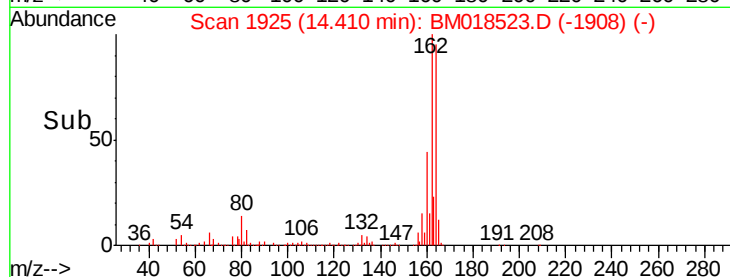
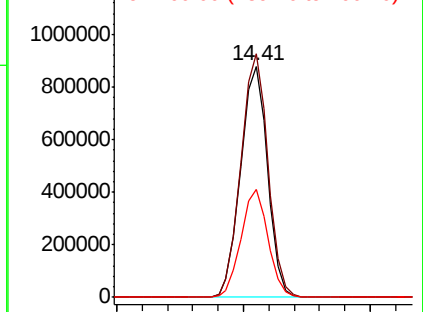


Abundance

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: 40.346 ng

RT: 12.59 min Scan# 1615

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Tgt Ion:216 Resp: 1822433

Ion Ratio Lower Upper

216 100

214 78.4 63.4 95.0

179 21.8 17.9 26.9

108 19.4 15.8 23.6

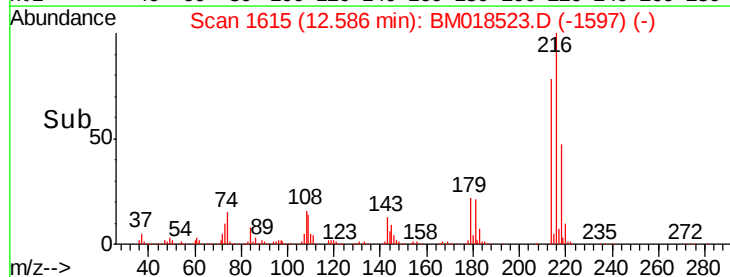
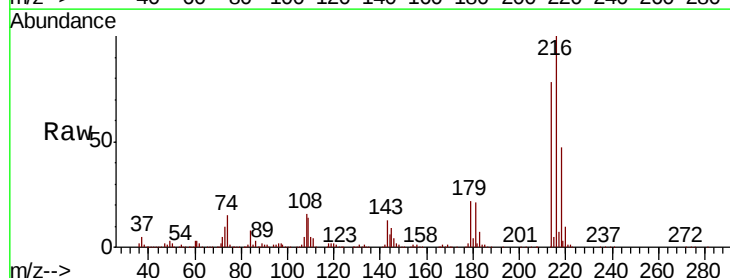
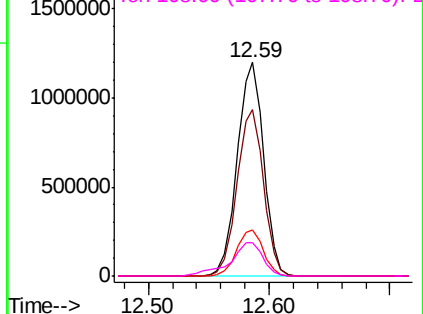
Abundance

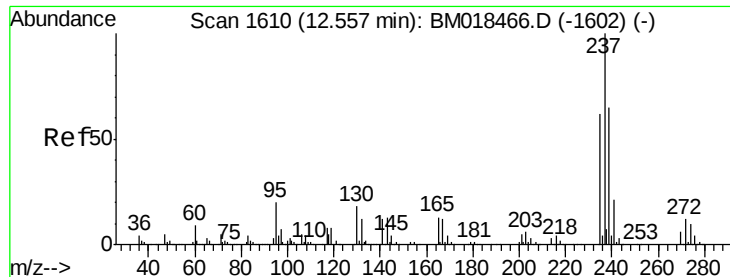
Ion 216.00 (215.70 to 216.70): E

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: 78.322 ng

RT: 12.56 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion:237 Resp: 1941650

Ion Ratio Lower Upper

237 100

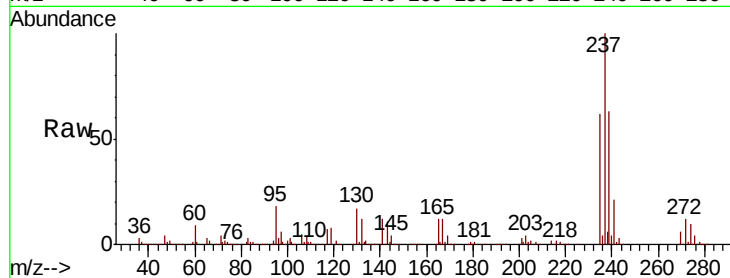
235 61.8 42.8 82.8

272 12.0 0.0 31.9

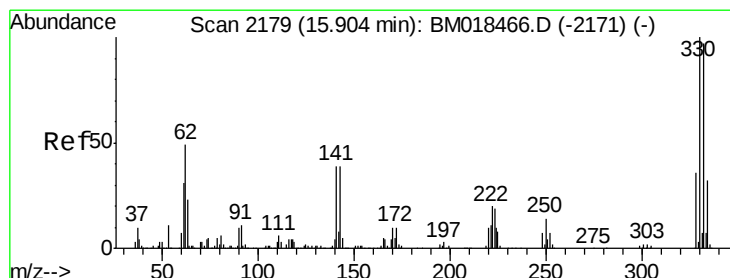
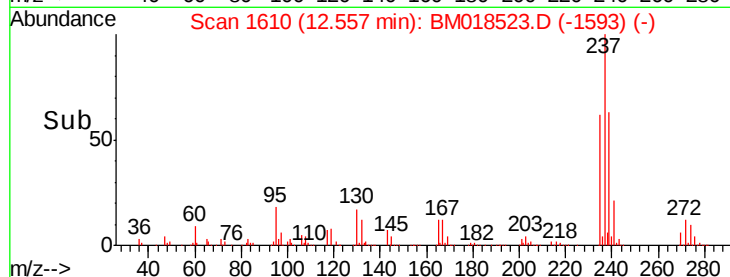
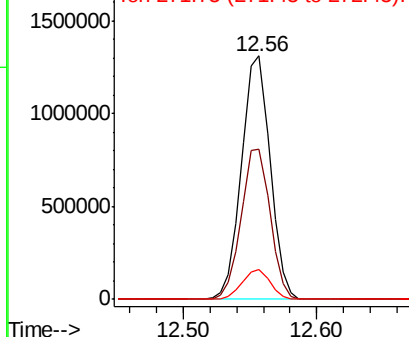
Manual Integrations  
APPROVED

Sohil

1/11/2019 4:41:11 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: 148.119 ng

RT: 15.90 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

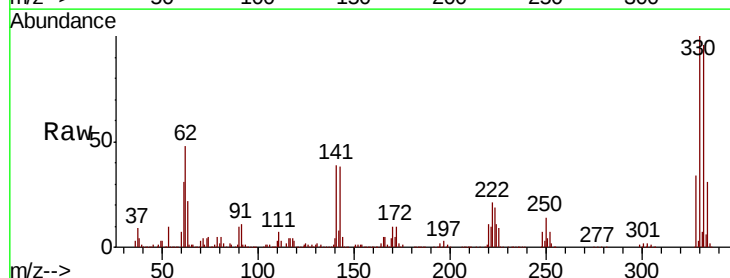
Tgt Ion:330 Resp: 2436115

Ion Ratio Lower Upper

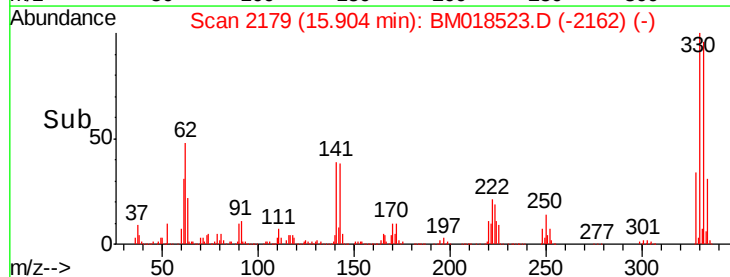
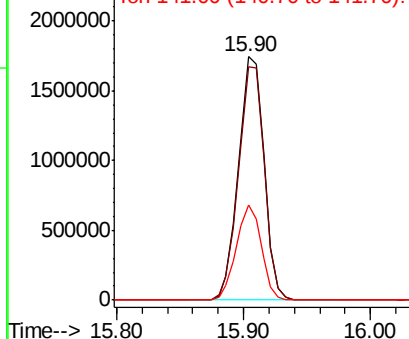
330 100

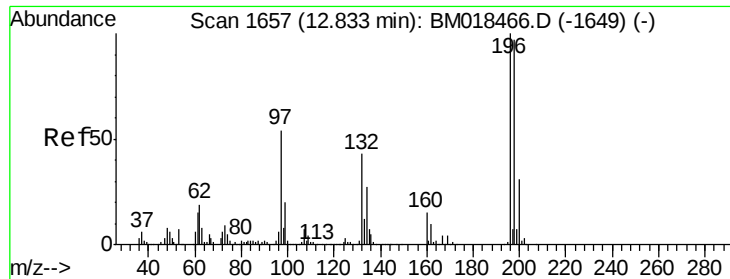
332 96.9 77.6 116.4

141 38.1 31.7 47.5



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





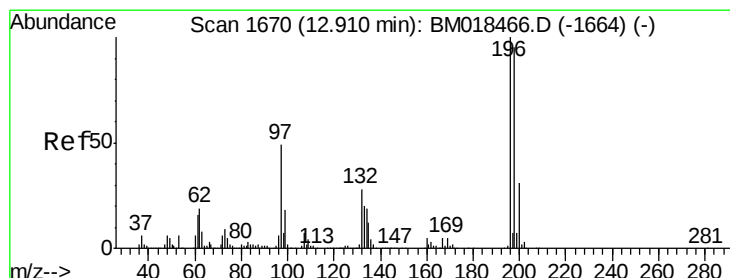
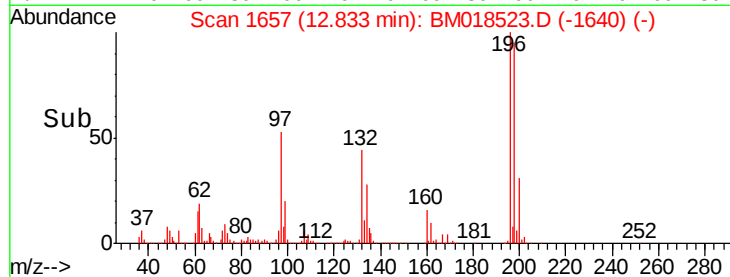
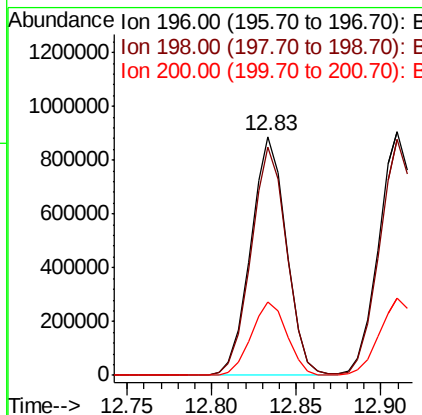
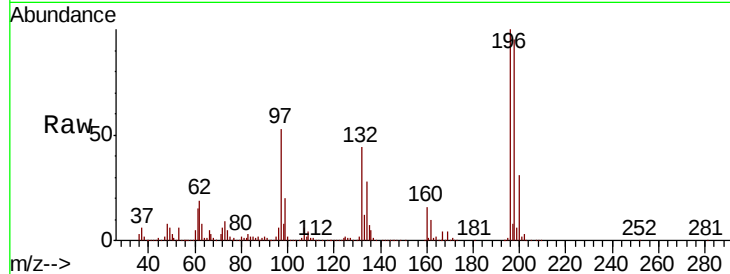
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.425 ng  
 RT: 12.83 min Scan# 1657  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-16MSD

Tot Ion:196 Resp: 1300881  
 Ion Ratio Lower Upper  
 196 100  
 198 95.4 76.6 115.0  
 200 30.7 24.2 36.4

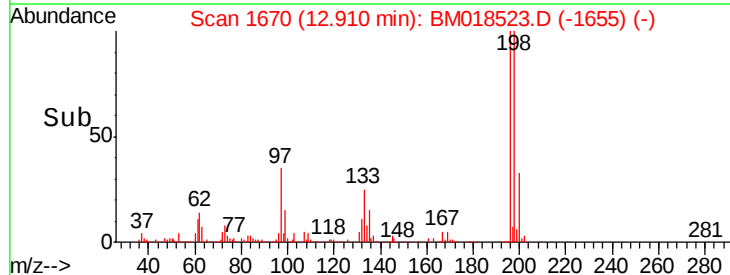
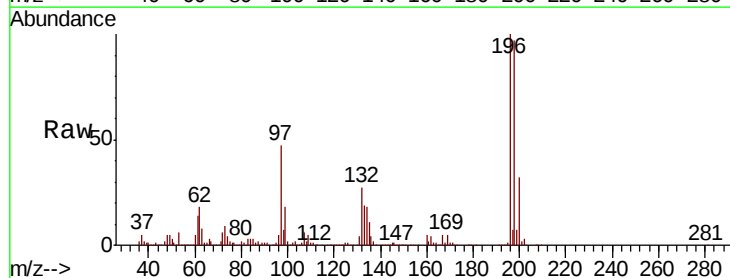
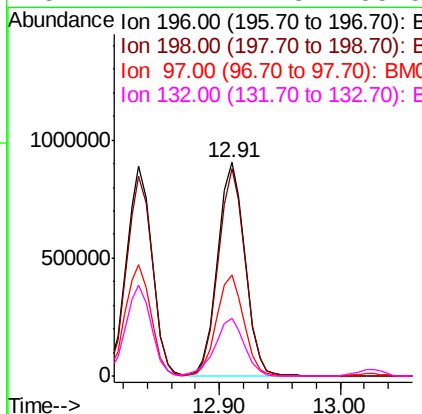
Manual Integrations  
 APPROVED

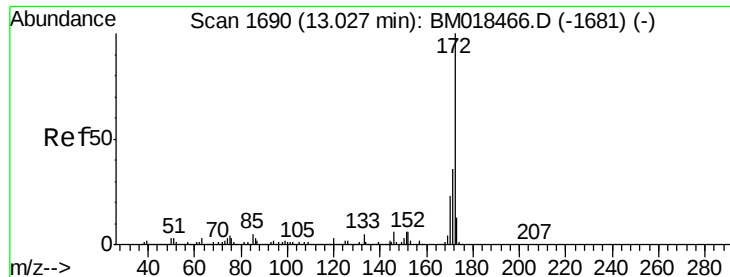
Sohil  
 1/11/2019 4:41:11 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 48.735 ng  
 RT: 12.91 min Scan# 1670  
 Delta R.T. -0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Tgt Ion:196 Resp: 1405922  
 Ion Ratio Lower Upper  
 196 100  
 198 97.1 76.7 115.1  
 97 47.1 39.2 58.8  
 132 27.2 22.3 33.5





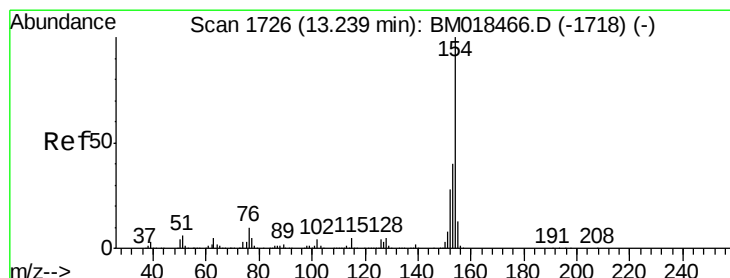
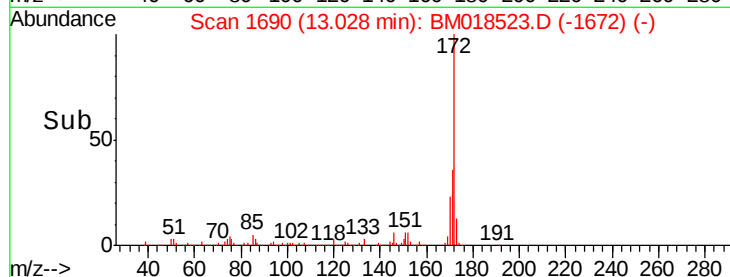
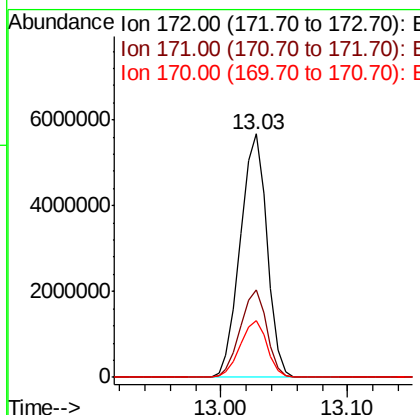
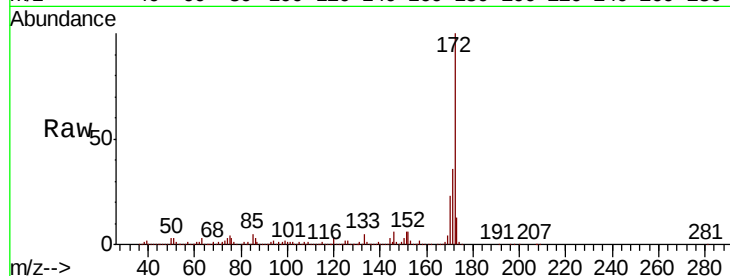
#45  
2-Fluorobiphenyl  
Concen: 83.670 ng  
RT: 13.03 min Scan# 1690  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.2  | 42.4  |
| 170     | 23.5  | 18.9  | 28.3  |

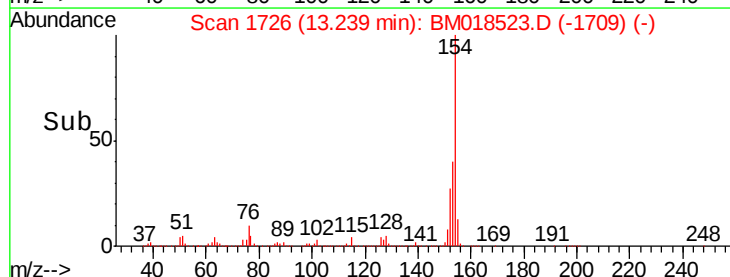
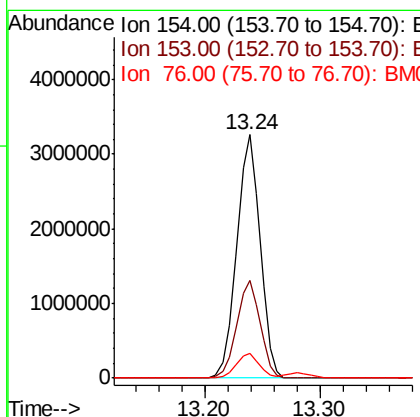
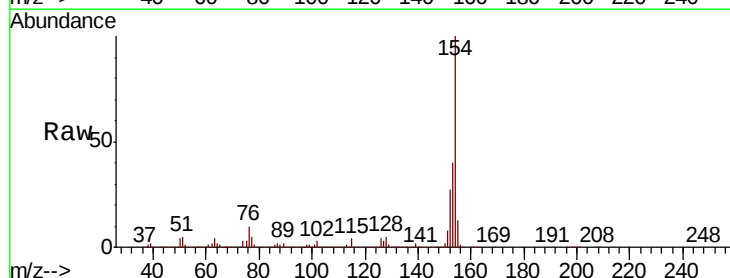
Manual Integrations  
APPROVED

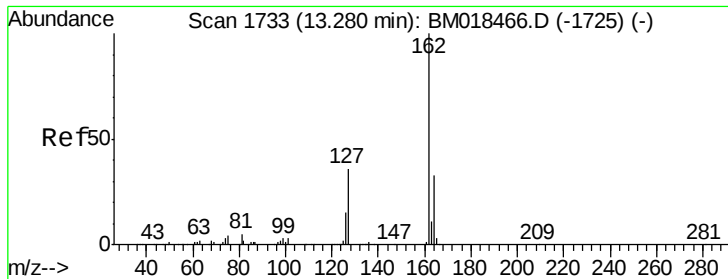
Sohil  
1/11/2019 4:41:11 PM



#46  
1,1'-Biphenyl  
Concen: 40.372 ng  
RT: 13.24 min Scan# 1726  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.2  | 20.5  | 60.5  |
| 76      | 10.2  | 0.0   | 31.9  |





#47

2-Chloronaphthalene

Concen: 40.120 ng

RT: 13.28 min Scan# 1733

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

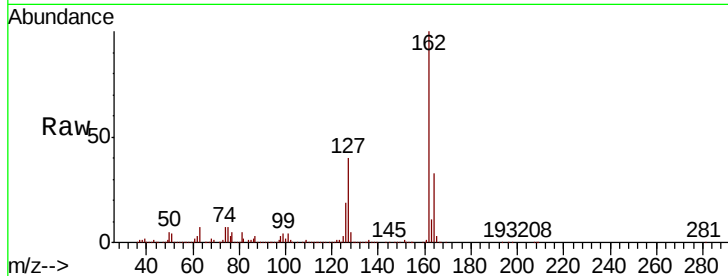
ClientSampleId :

TP-16MSD

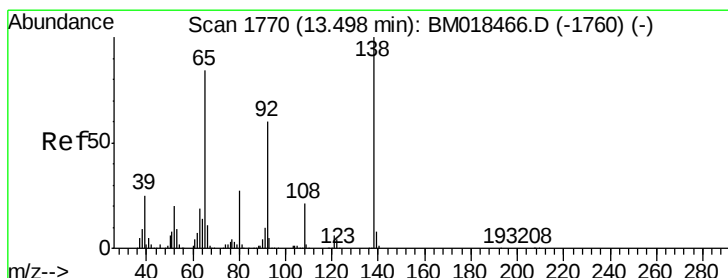
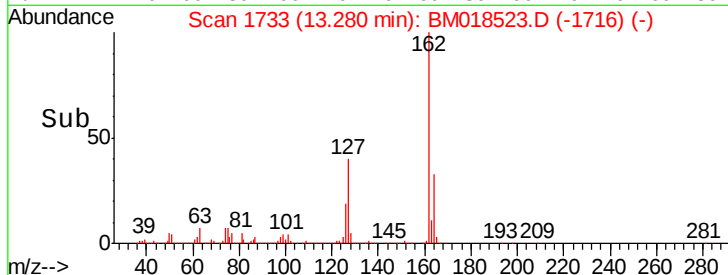
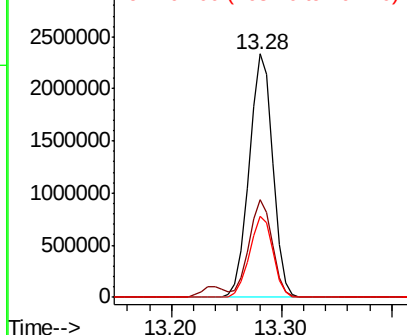
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 162   | Resp: | 3508886 |
| Ion      | Ratio | Lower | Upper   |
| 162      | 100   |       |         |
| 127      | 40.0  | 31.4  | 47.0    |
| 164      | 33.1  | 26.2  | 39.4    |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 45.783 ng

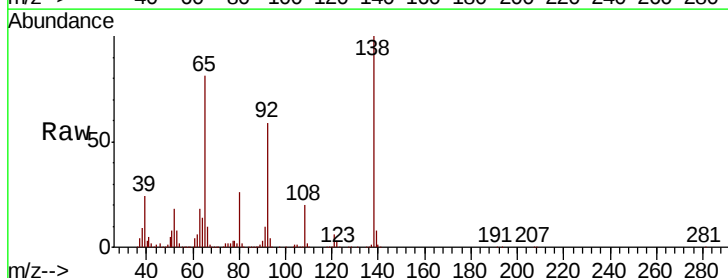
RT: 13.50 min Scan# 1770

Delta R.T. 0.00 min

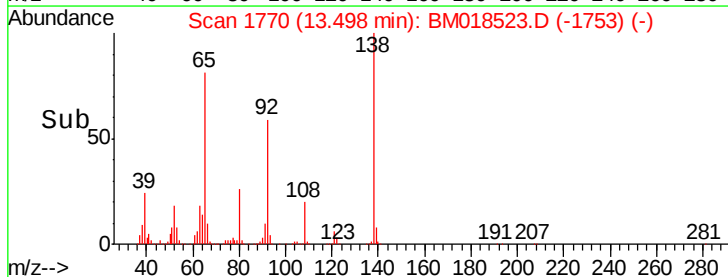
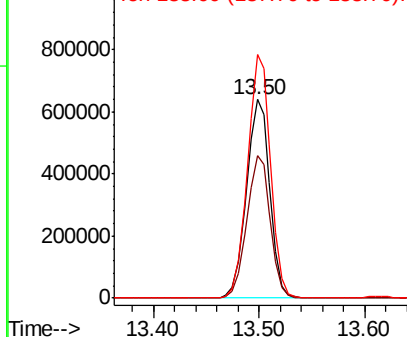
Lab File: BM018523.D

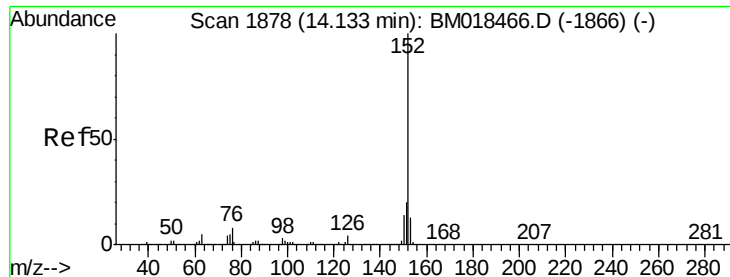
Acq: 10 Jan 2019 23:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 985126 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 71.9  | 53.4  | 80.2   |
| 138      | 122.7 | 88.9  | 133.3  |



Abundance Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0  
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.576 ng

RT: 14.13 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

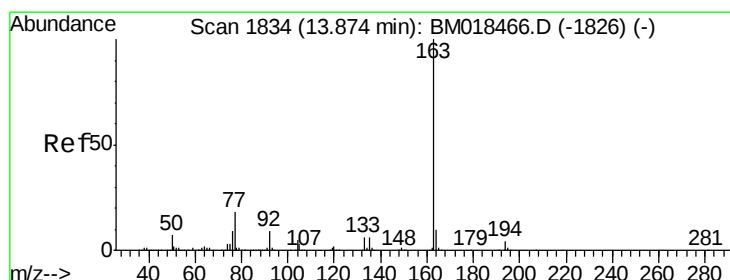
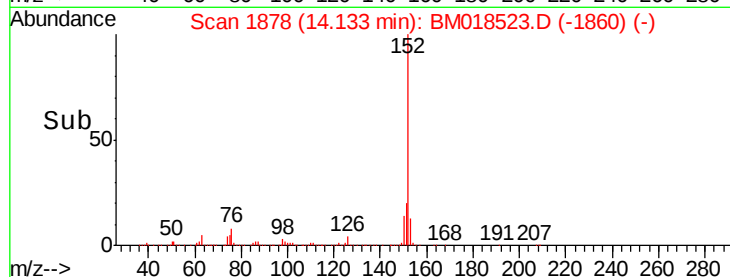
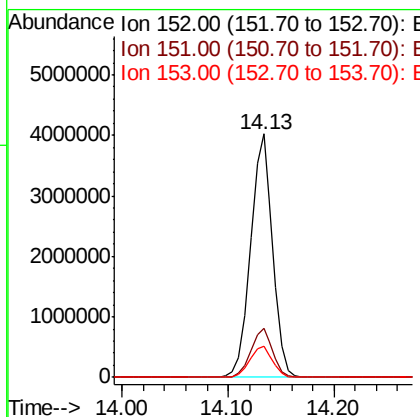
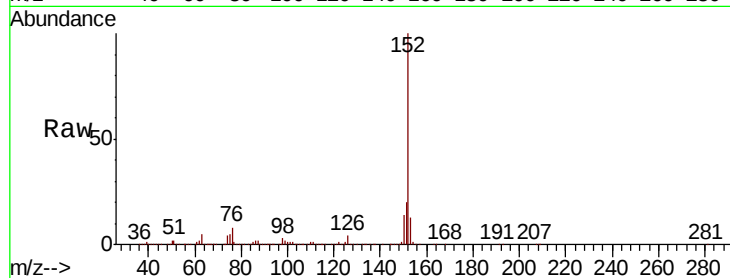
ClientSampled :

TP-16MSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 5808932 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 20.0  | 15.7  | 23.5    |
| 153      | 13.0  | 10.5  | 15.7    |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



#50

Dimethylphthalate

Concen: 57.424 ng

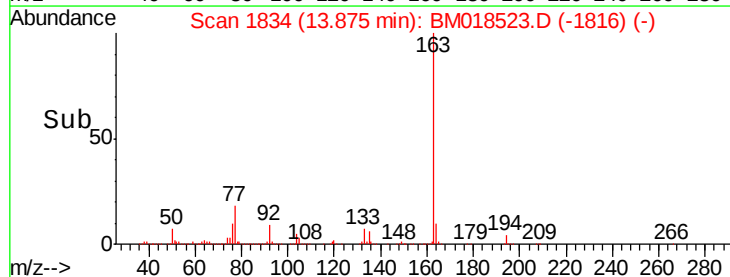
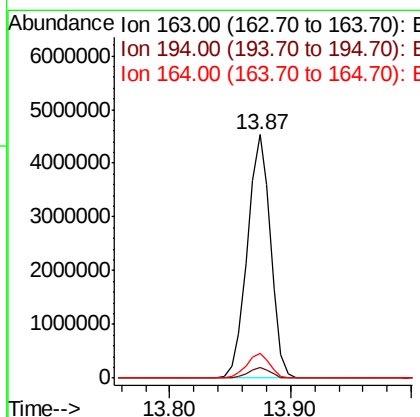
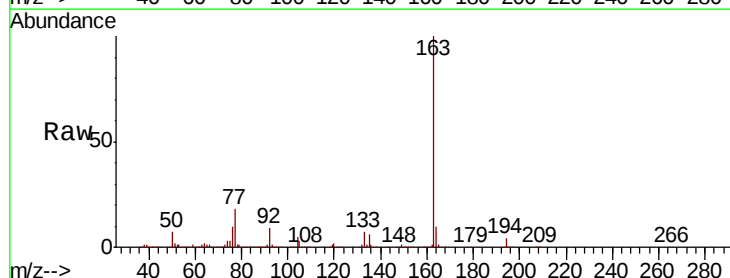
RT: 13.87 min Scan# 1834

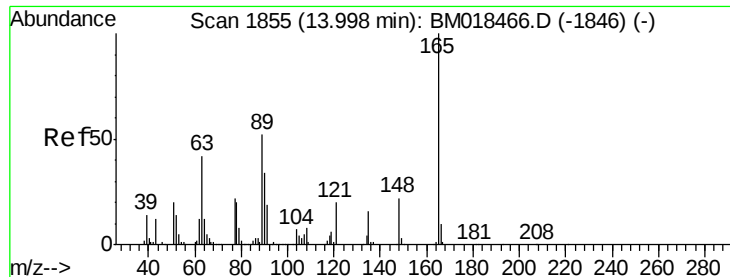
Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 6091726 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.2   | 3.0   | 4.6     |
| 164      | 10.3  | 7.8   | 11.8    |





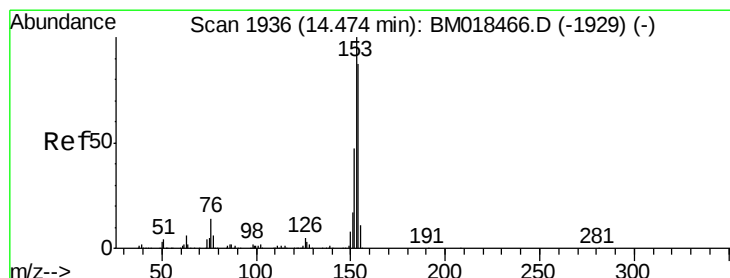
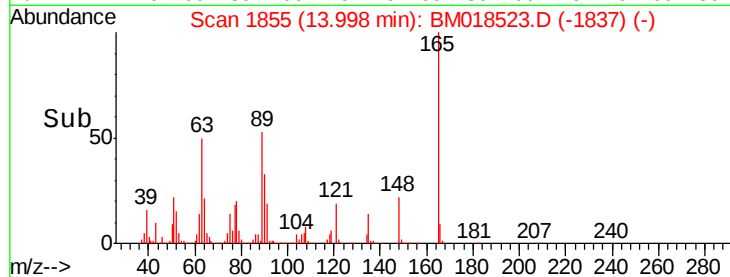
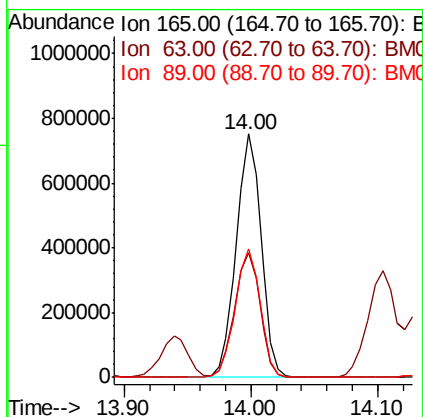
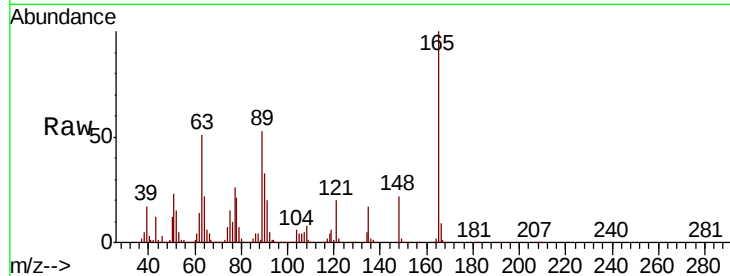
#51  
 2,6-Dinitrotoluene  
 Concen: 45.463 ng  
 RT: 14.00 min Scan# 1855  
 Delta R.T. 0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 51.0  | 45.6  | 68.4  |
| 89      | 52.6  | 44.6  | 66.8  |

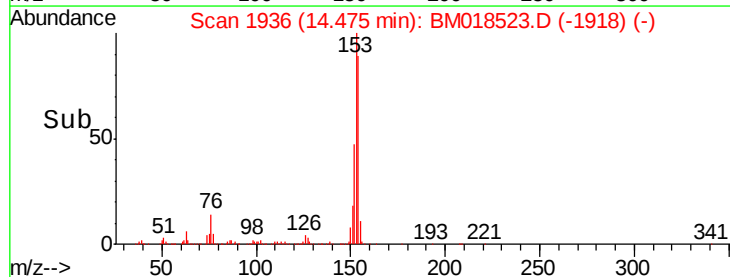
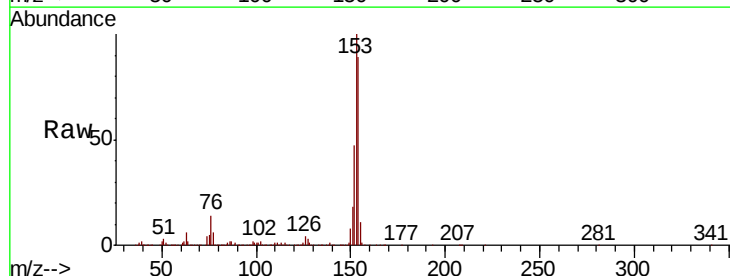
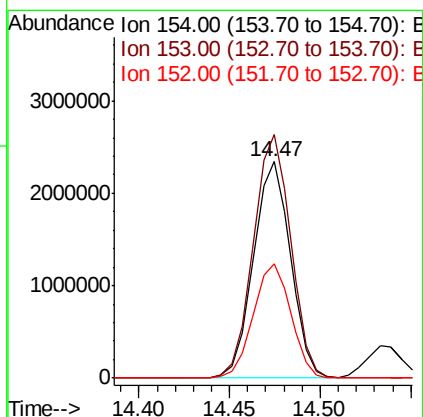
Manual Integrations  
 APPROVED

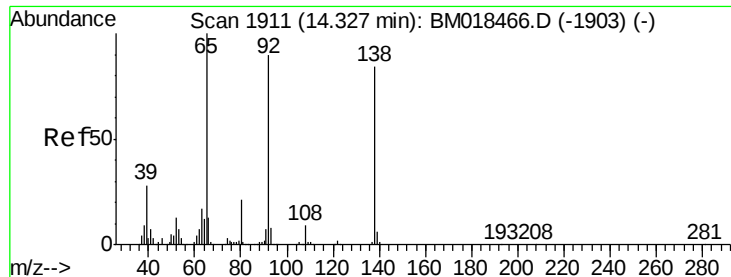
Sohil  
 1/11/2019 4:41:11 PM



#52  
 Acenaphthene  
 Concen: 42.604 ng  
 RT: 14.47 min Scan# 1936  
 Delta R.T. 0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.7 | 92.3  | 138.5 |
| 152     | 53.1  | 43.8  | 65.6  |





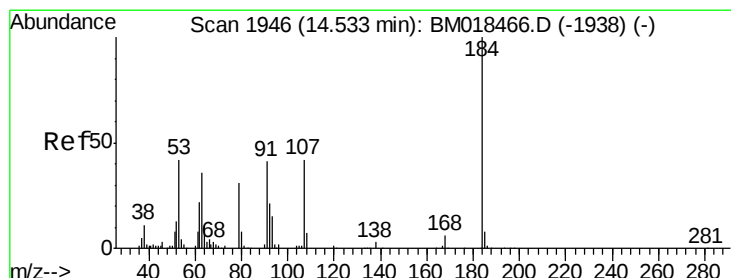
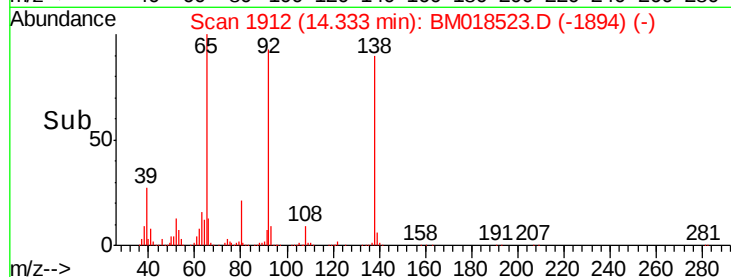
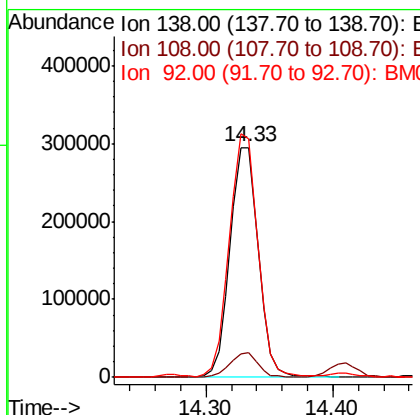
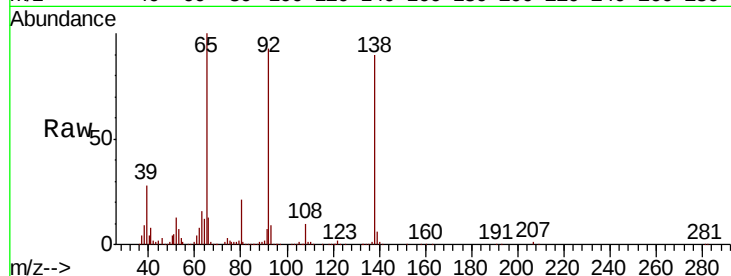
#53  
3-Nitroaniline  
Concen: 20.202 ng  
RT: 14.33 min Scan# 1912  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 9.1   | 13.7  |
| 92      | 103.4 | 88.2  | 132.2 |

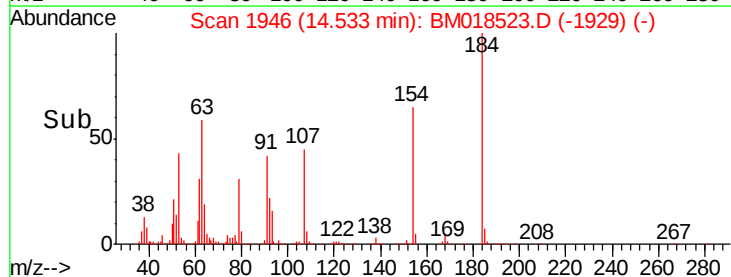
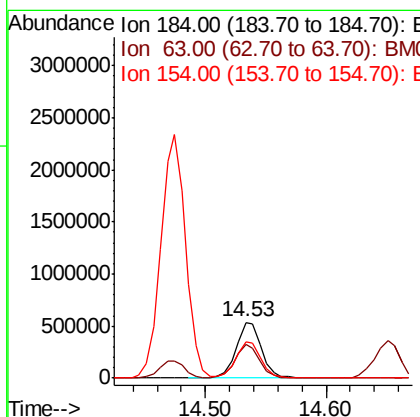
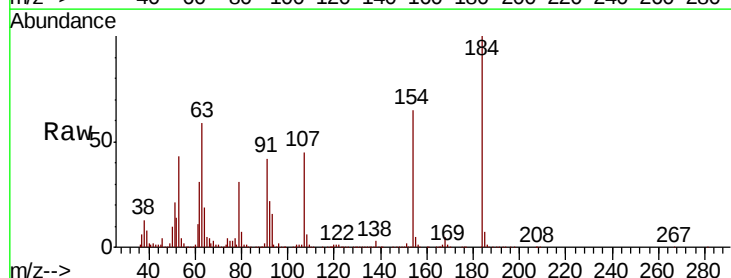
Manual Integrations  
APPROVED

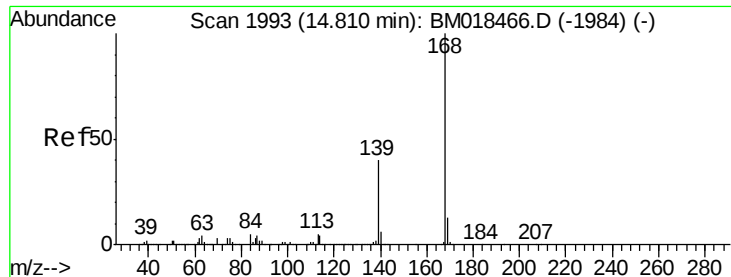
Sohil  
1/11/2019 4:41:11 PM



#54  
2,4-Dinitrophenol  
Concen: 65.765 ng  
RT: 14.53 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 59.5  | 55.9  | 83.9  |
| 154     | 65.1  | 54.2  | 81.4  |





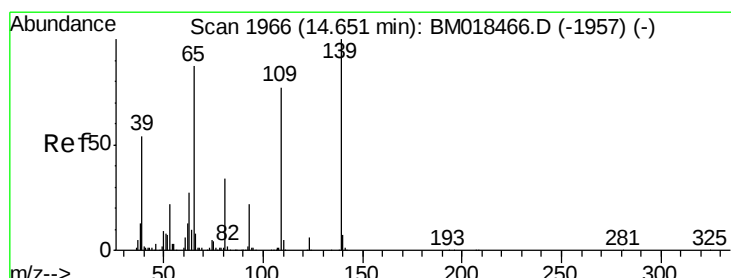
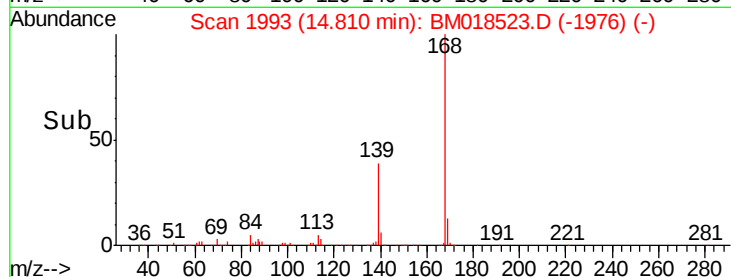
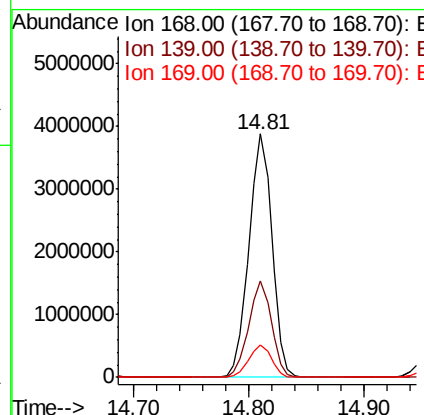
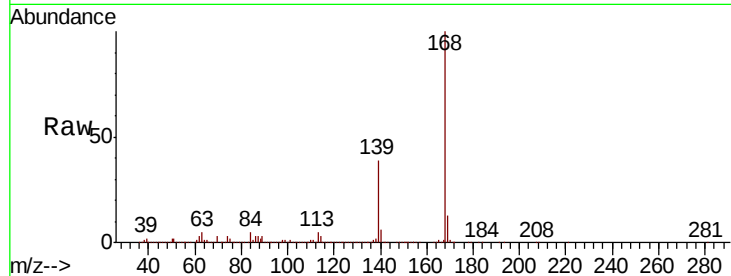
#55  
Dibenzofuran  
Concen: 41.856 ng  
RT: 14.81 min Scan# 1993  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.5  | 30.3  | 45.5  |
| 169     | 13.5  | 10.6  | 16.0  |

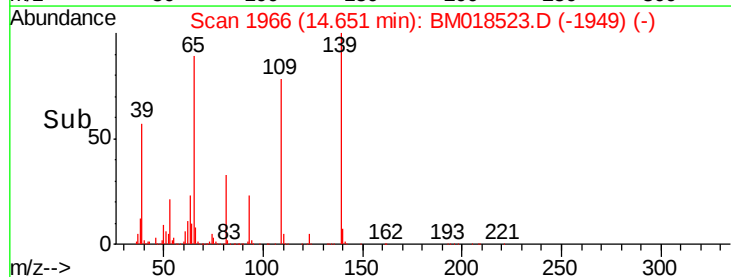
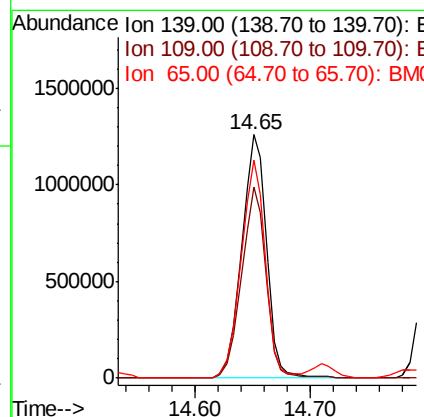
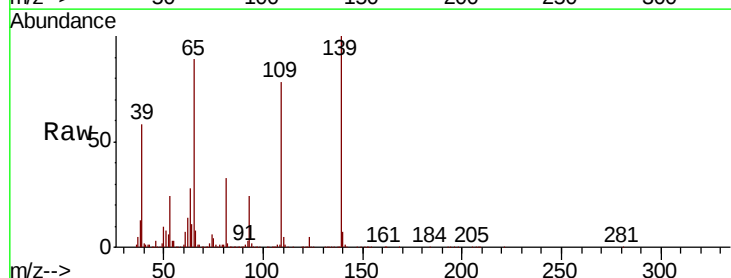
Manual Integrations  
APPROVED

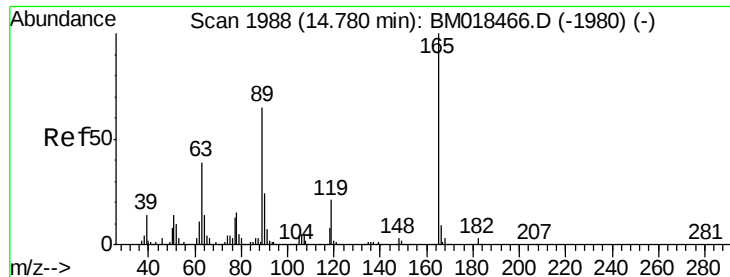
Sohil  
1/11/2019 4:41:11 PM



#56  
4-Nitrophenol  
Concen: 95.507 ng  
RT: 14.65 min Scan# 1966  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 78.4  | 51.7  | 91.7  |
| 65      | 89.4  | 71.4  | 111.4 |





#57

2,4-Dinitrotoluene

Concen: 45.505 ng

RT: 14.79 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion:165 Resp: 1446787

Ion Ratio Lower Upper

165 100

63 38.9 32.2 48.2

89 63.0 52.1 78.1

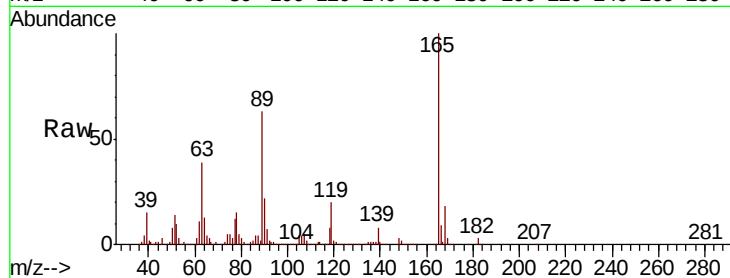
182 3.2 2.5 3.7

Manual Integrations

APPROVED

Sohil

1/11/2019 4:41:11 PM

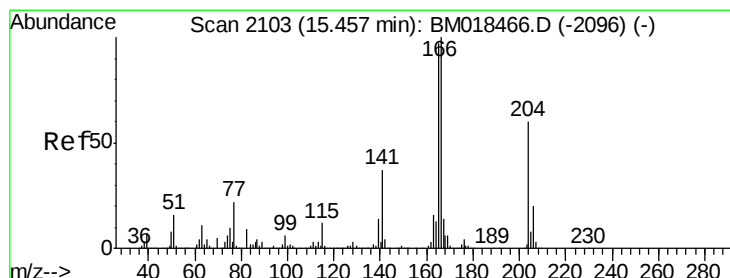
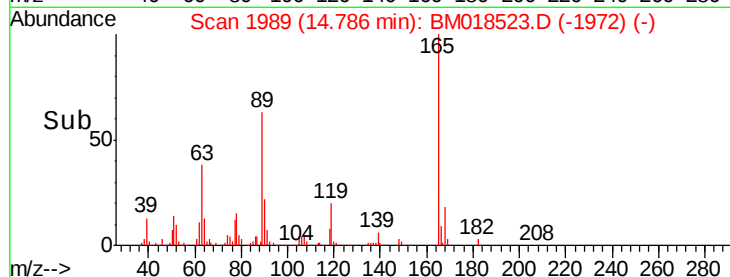
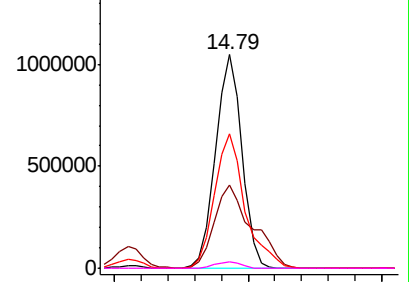


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.612 ng

RT: 15.46 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

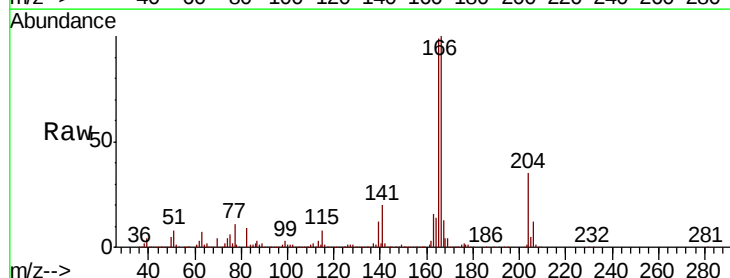
Tgt Ion:166 Resp: 4378218

Ion Ratio Lower Upper

166 100

165 99.2 78.3 117.5

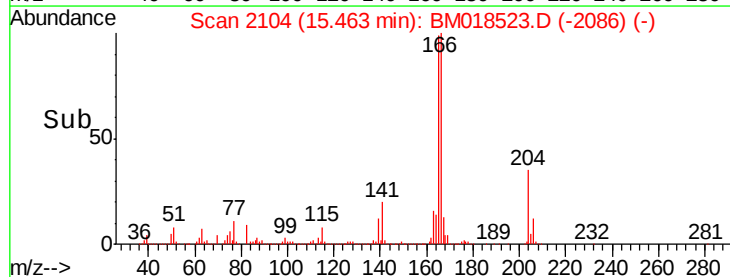
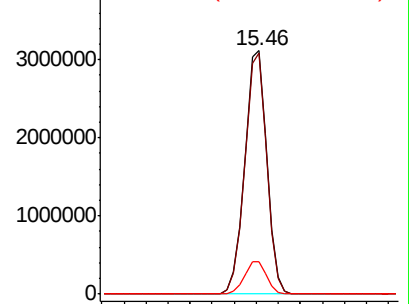
167 13.4 10.9 16.3

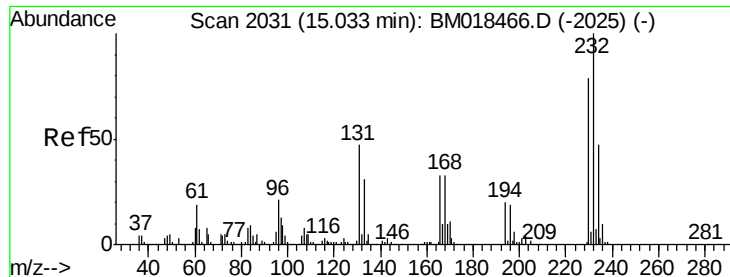


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





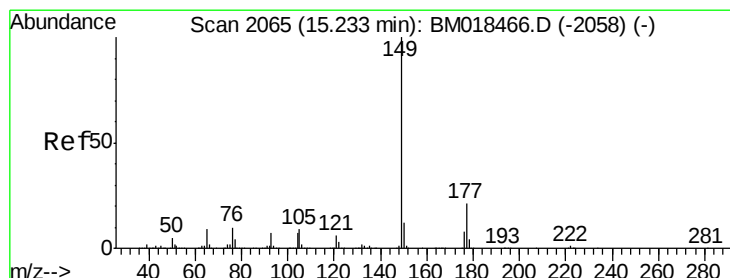
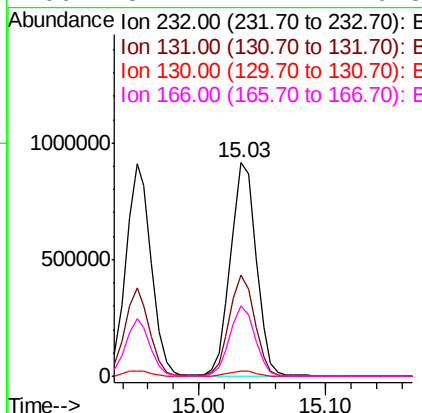
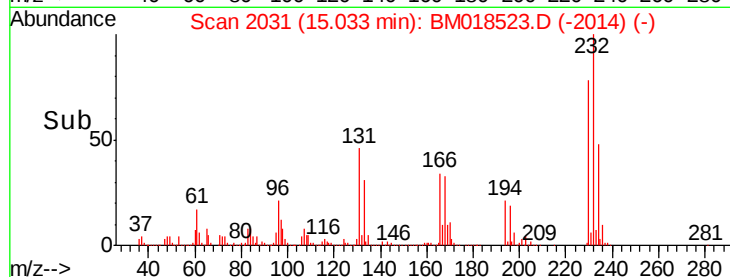
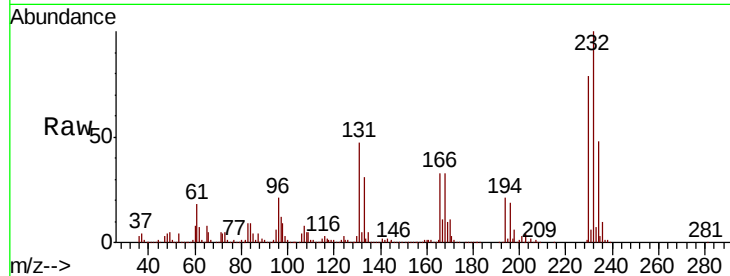
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.084 ng  
 RT: 15.03 min Scan# 2031  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-16MSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 232   | Resp: | 1280677 |
| Ion      | Ratio | Lower | Upper   |
| 232      | 100   |       |         |
| 131      | 46.8  | 38.6  | 57.8    |
| 130      | 2.6   | 2.2   | 3.4     |
| 166      | 32.7  | 27.2  | 40.8    |

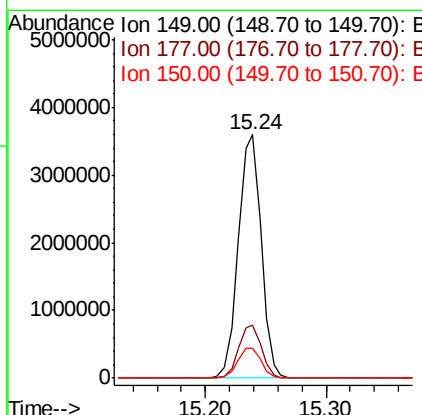
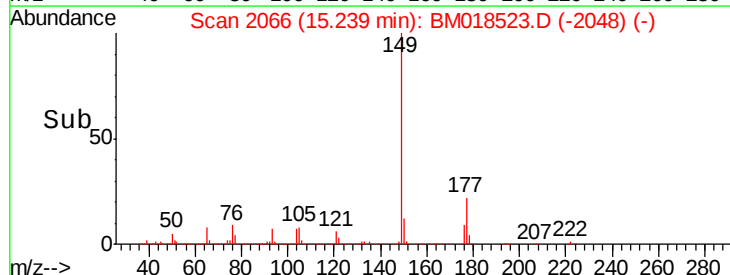
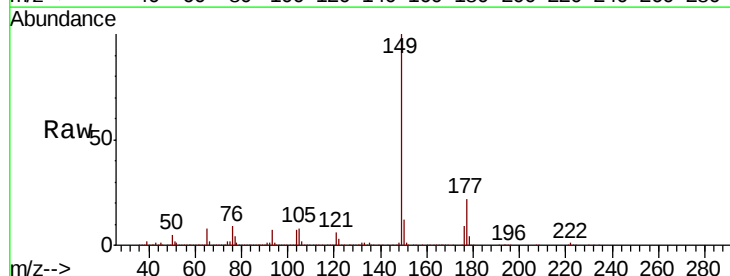
Manual Integrations  
 APPROVED

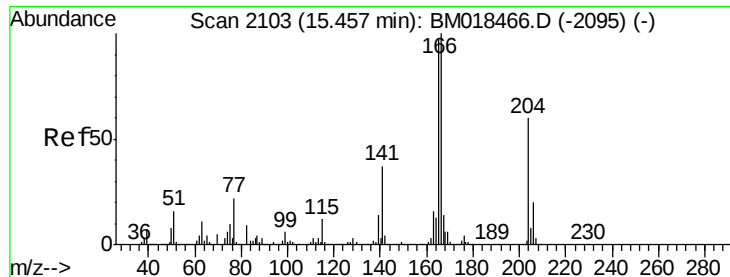
Sohil  
 1/11/2019 4:41:11 PM



#60  
 Diethylphthalate  
 Concen: 44.444 ng  
 RT: 15.24 min Scan# 2066  
 Delta R.T. 0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 4759729 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 21.7  | 17.1  | 25.7    |
| 150      | 12.2  | 9.8   | 14.6    |





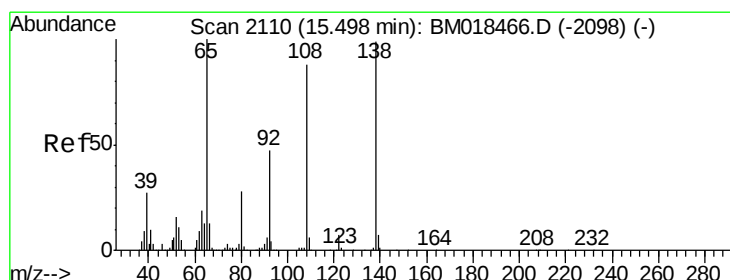
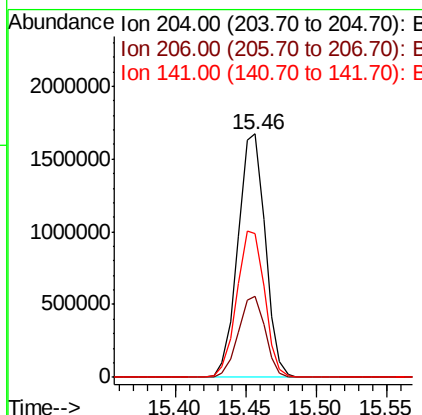
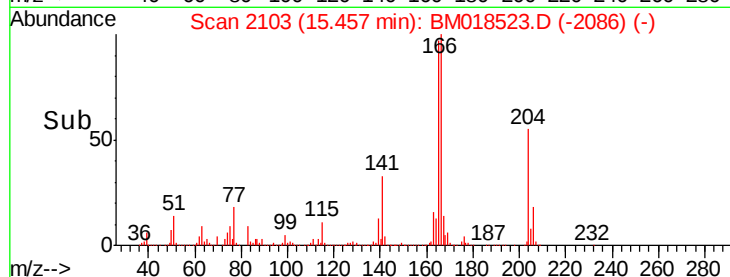
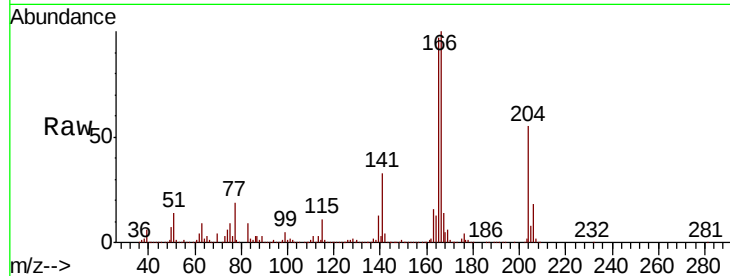
#61  
4-Chlorophenyl-phenylether  
Concen: 40.857 ng  
RT: 15.46 min Scan# 2103  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

Tot Ion:204 Resp: 2260321  
Ion Ratio Lower Upper  
204 100  
206 33.2 25.8 38.6  
141 59.3 49.5 74.3

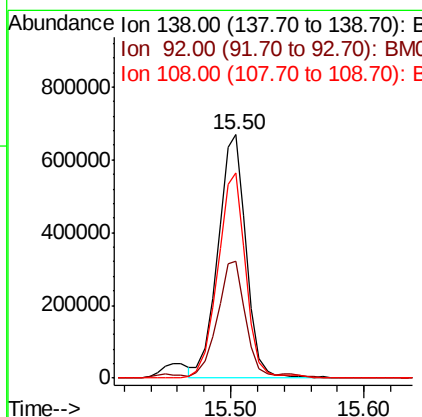
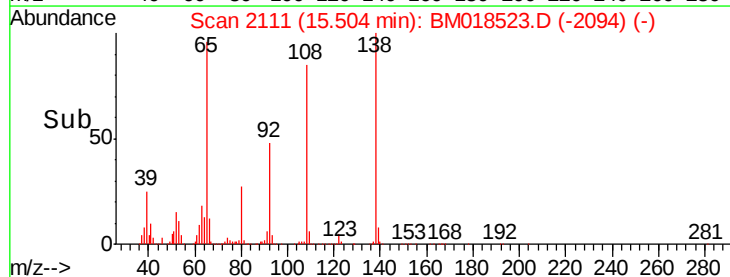
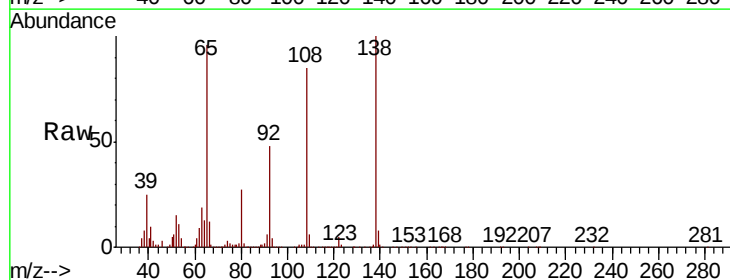
Manual Integrations  
APPROVED

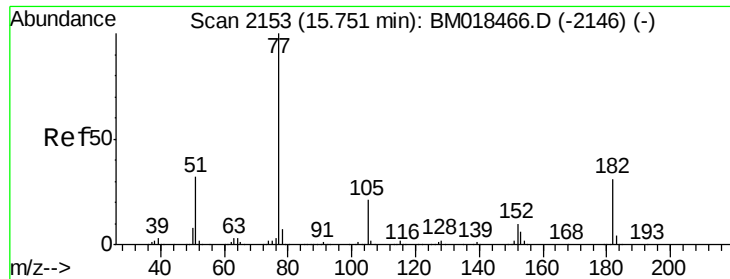
Sohil  
1/11/2019 4:41:11 PM



#62  
4-Nitroaniline  
Concen: 39.788 ng  
RT: 15.50 min Scan# 2111  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Tgt Ion:138 Resp: 983187  
Ion Ratio Lower Upper  
138 100  
92 48.1 29.0 69.0  
108 84.5 63.9 103.9





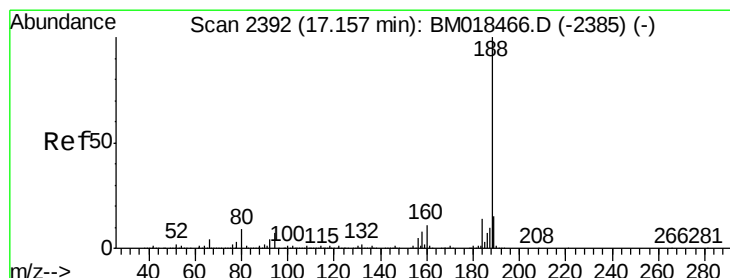
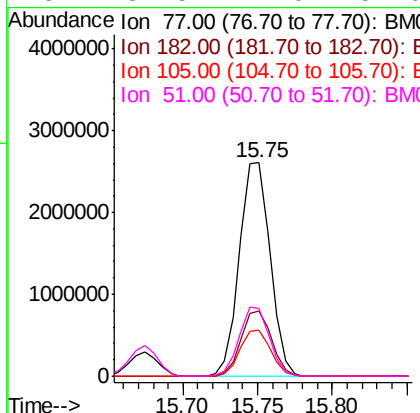
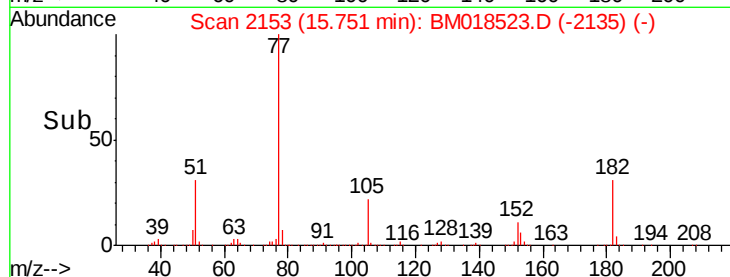
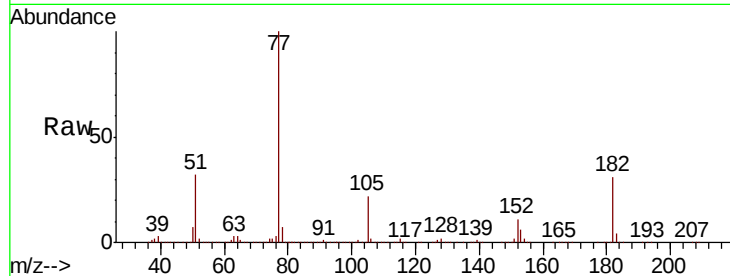
#63  
Azobenzene  
Concen: 42.866 ng  
RT: 15.75 min Scan# 2153  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

Tot Ion: 77 Resp: 3742879  
Ion Ratio Lower Upper  
77 100  
182 30.7 7.4 47.4  
105 21.9 0.0 39.6  
51 31.5 12.0 52.0

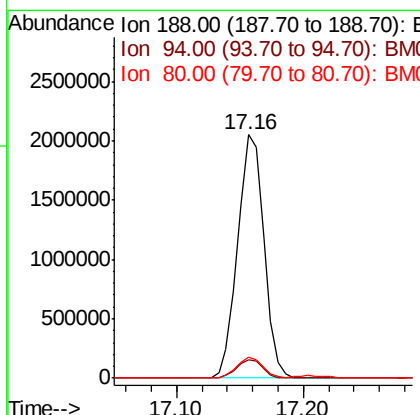
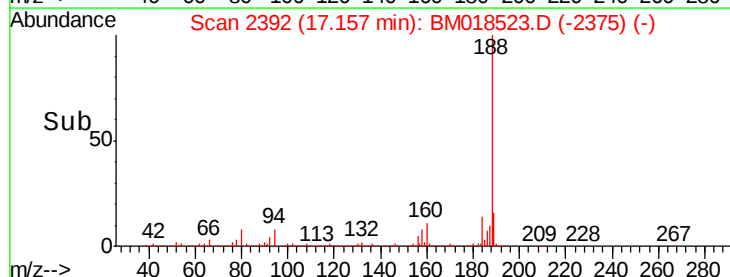
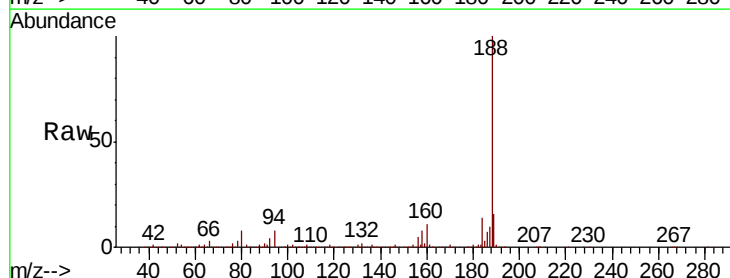
Manual Integrations  
APPROVED

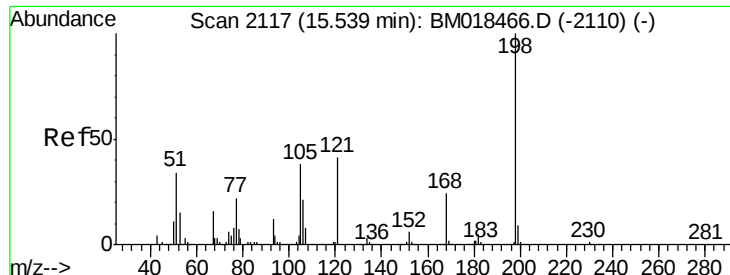
Sohil  
1/11/2019 4:41:11 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.16 min Scan# 2392  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Tgt Ion: 188 Resp: 2937058  
Ion Ratio Lower Upper  
188 100  
94 7.7 7.1 10.7  
80 8.4 7.6 11.4





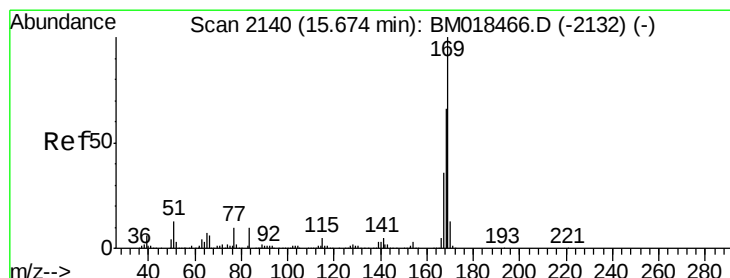
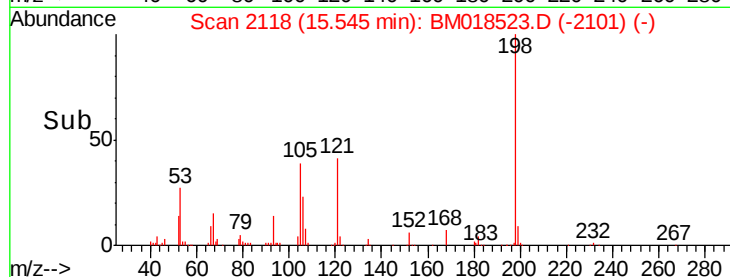
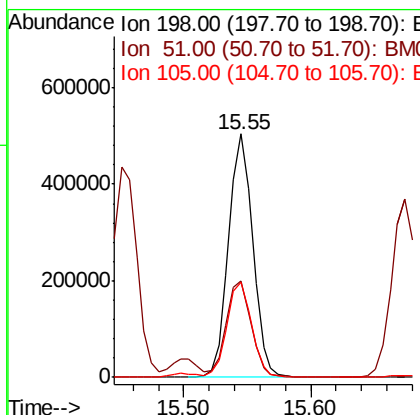
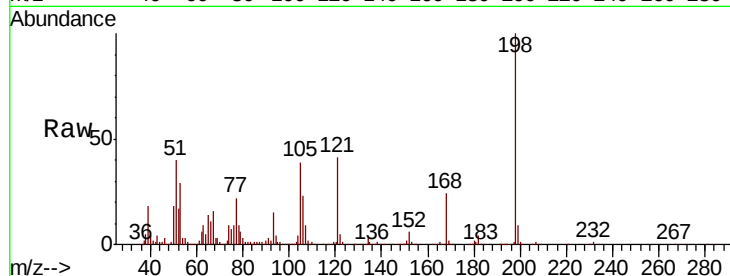
#65  
4,6-Dinitro-2-methylphenol  
Concen: 37.039 ng  
RT: 15.55 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 667410 |       |       |
| 51      | 39.8  | 29.6   | 69.6  |       |
| 105     | 39.0  | 25.5   | 65.5  |       |

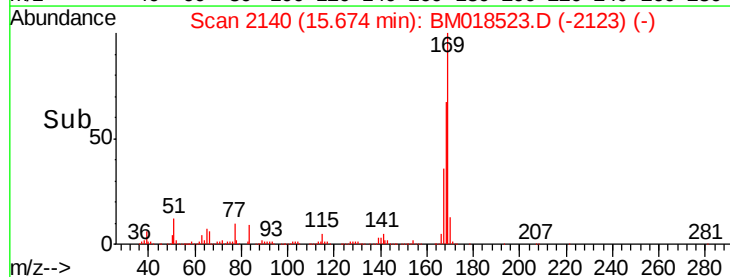
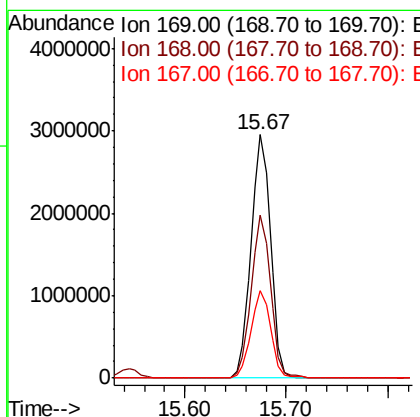
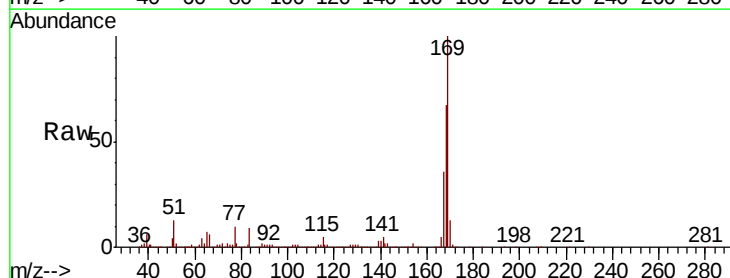
Manual Integrations  
APPROVED

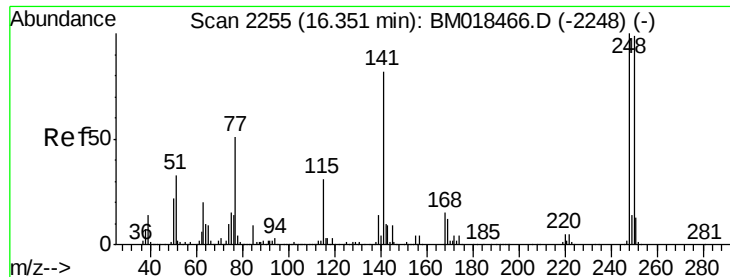
Sohil  
1/11/2019 4:41:11 PM



#66  
n-Nitrosodiphenylamine  
Concen: 43.363 ng  
RT: 15.67 min Scan# 2140  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 3950599 |       |       |
| 168     | 66.8  | 54.1    | 81.1  |       |
| 167     | 35.7  | 28.6    | 42.8  |       |





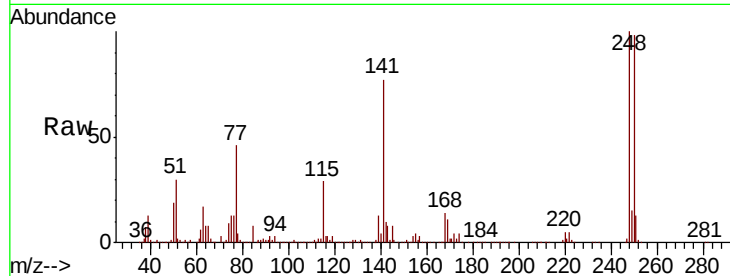
#67  
4-Bromophenyl-phenylether  
Concen: 42.312 ng  
RT: 16.35 min Scan# 2255  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampled :  
TP-16MSD

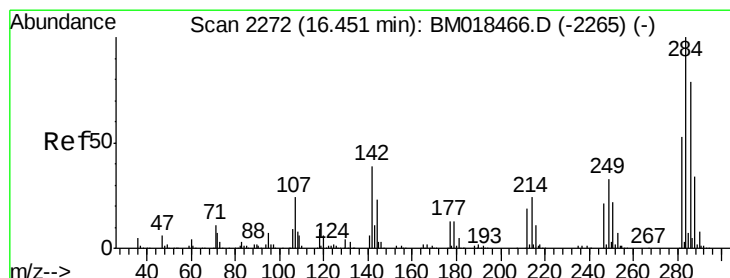
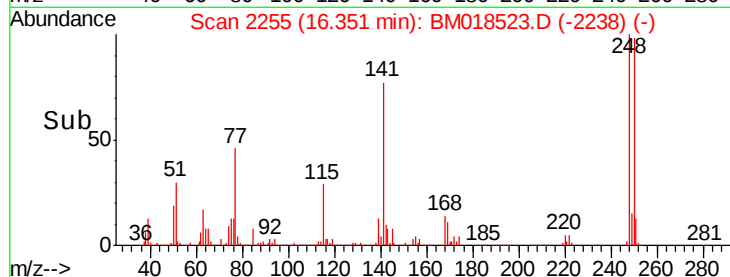
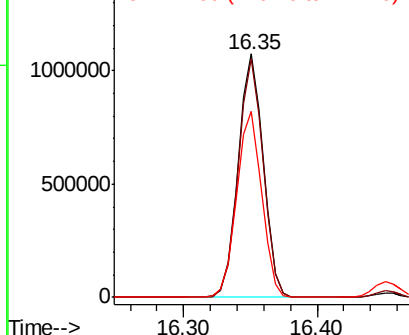
Tot Ion:248 Resp: 1390672  
Ion Ratio Lower Upper  
248 100  
250 98.0 76.0 114.0  
141 76.6 61.5 92.3

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



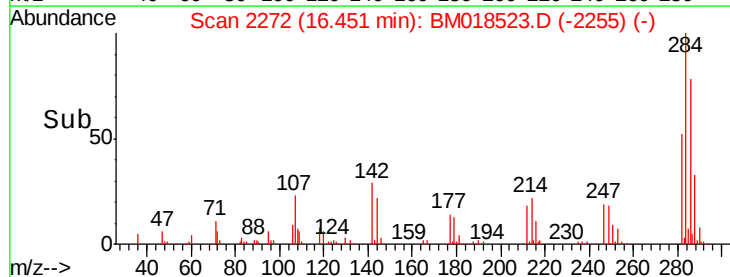
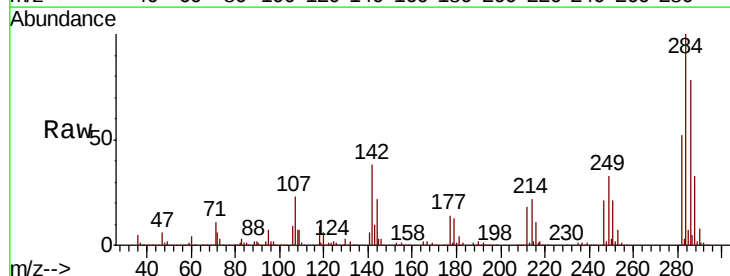
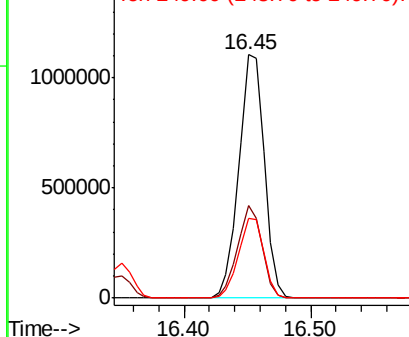
Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 41.521 ng  
RT: 16.45 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Tgt Ion:284 Resp: 1527761  
Ion Ratio Lower Upper  
284 100  
142 37.8 29.2 43.8  
249 32.7 26.1 39.1

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





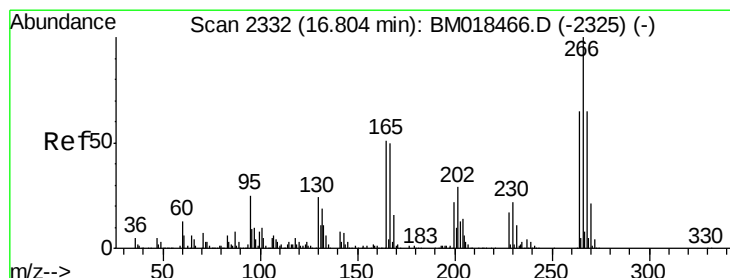
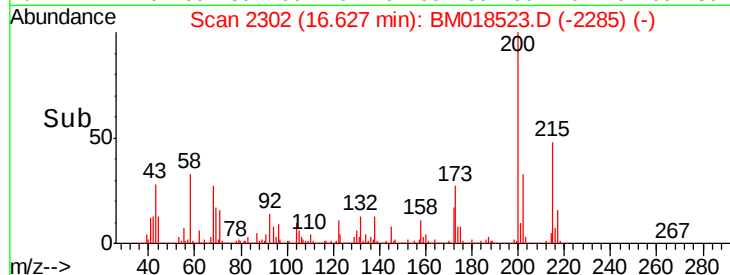
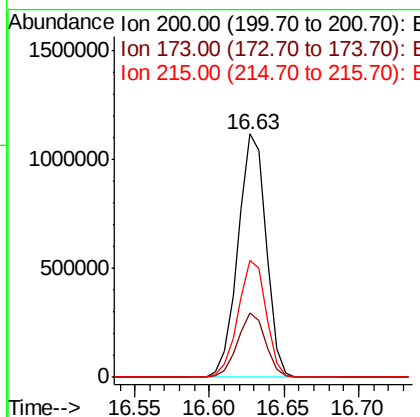
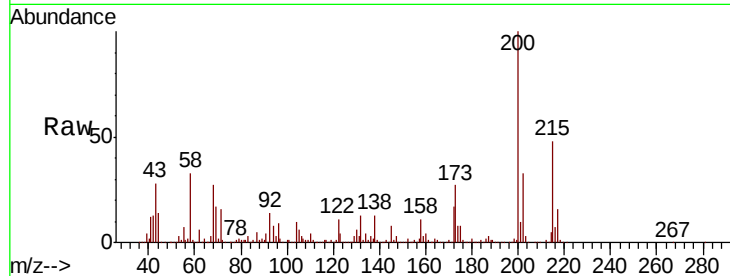
#69  
Atrazine  
Concen: 44.577 ng  
RT: 16.63 min Scan# 2302  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.7  | 7.2   | 47.2  |
| 215     | 47.9  | 28.3  | 68.3  |

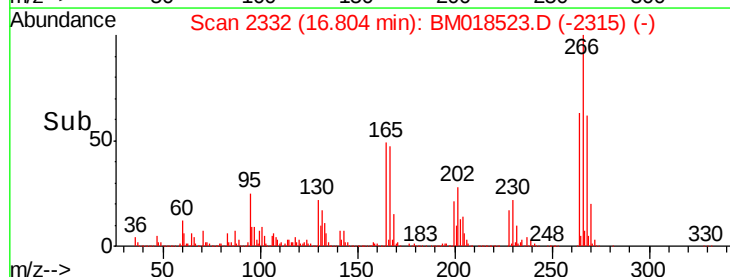
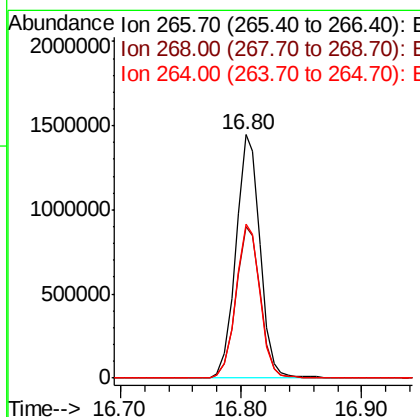
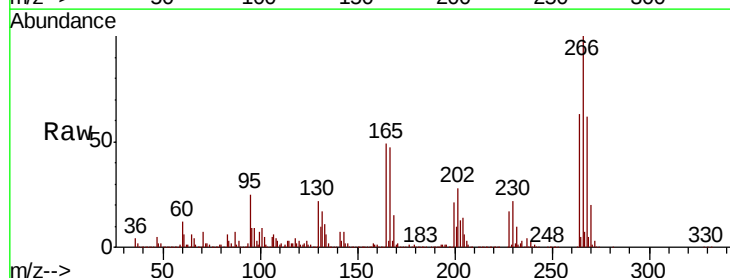
Manual Integrations  
APPROVED

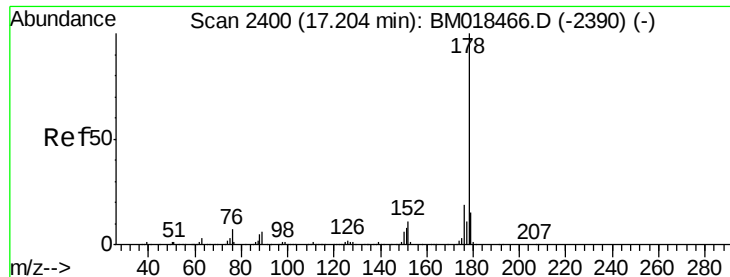
Sohil  
1/11/2019 4:41:11 PM



#70  
Pentachlorophenol  
Concen: 83.380 ng  
RT: 16.80 min Scan# 2332  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.4  | 49.8  | 74.6  |
| 264     | 63.0  | 50.1  | 75.1  |





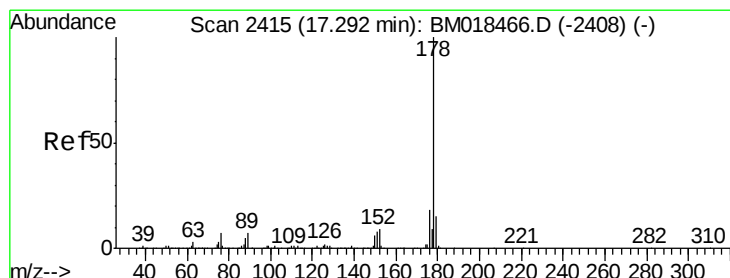
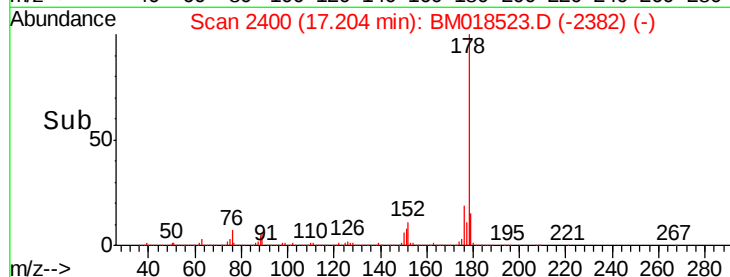
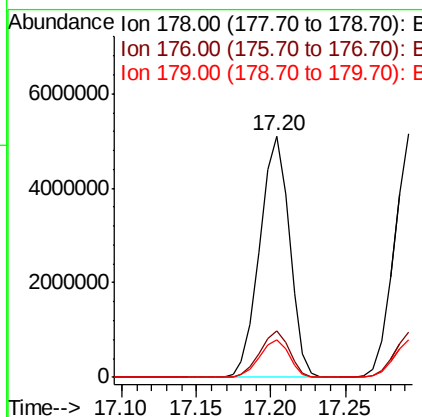
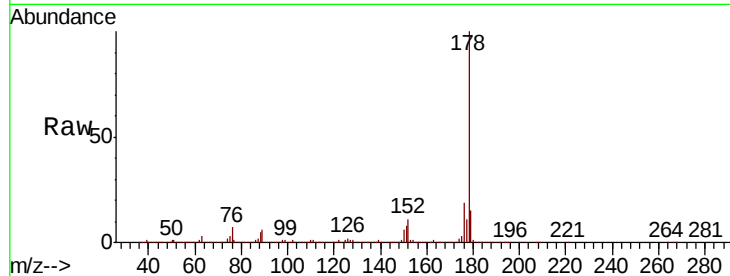
#71  
Phenanthrene  
Concen: 44.927 ng  
RT: 17.20 min Scan# 2400  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.4  | 23.0  |
| 179     | 15.3  | 12.2  | 18.4  |

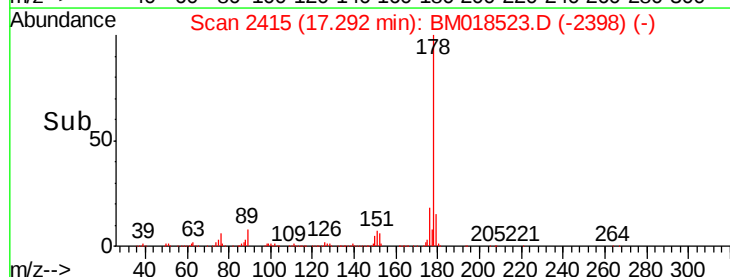
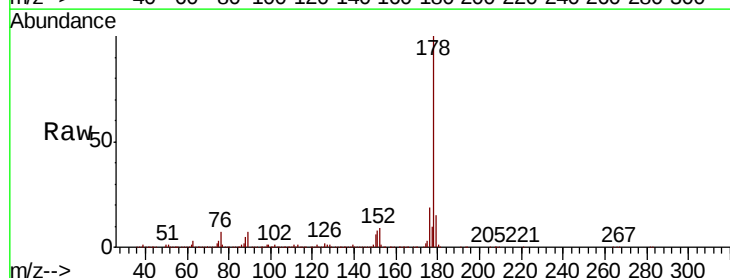
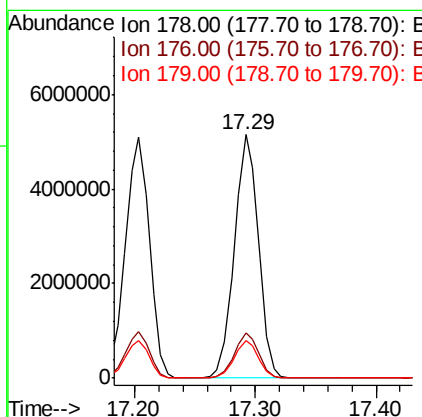
Manual Integrations  
APPROVED

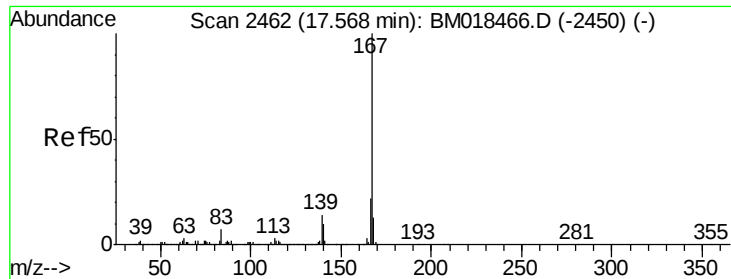
Sohil  
1/11/2019 4:41:11 PM



#72  
Anthracene  
Concen: 47.442 ng  
RT: 17.29 min Scan# 2415  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 14.7  | 22.1  |
| 179     | 15.4  | 12.2  | 18.4  |





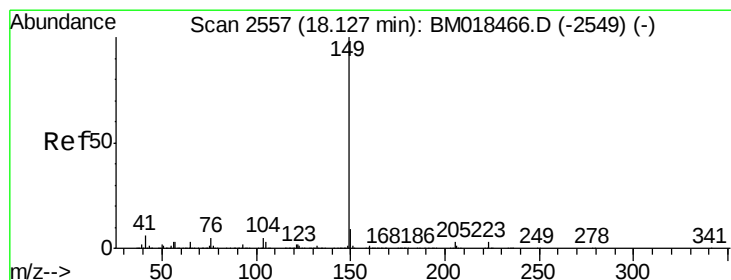
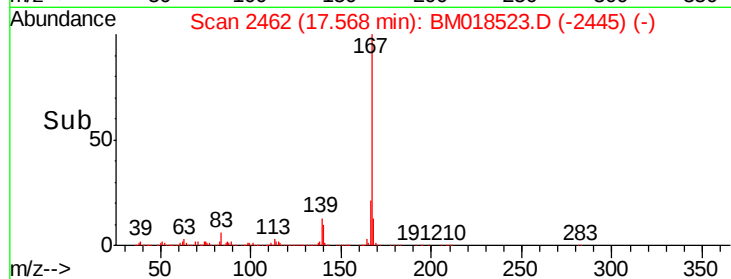
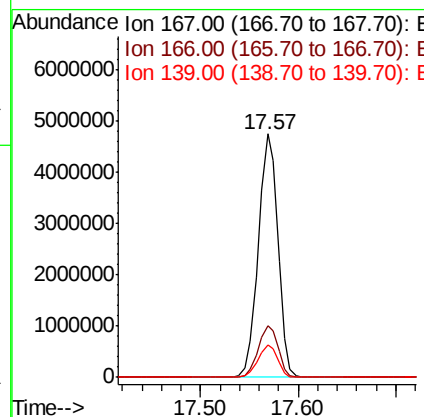
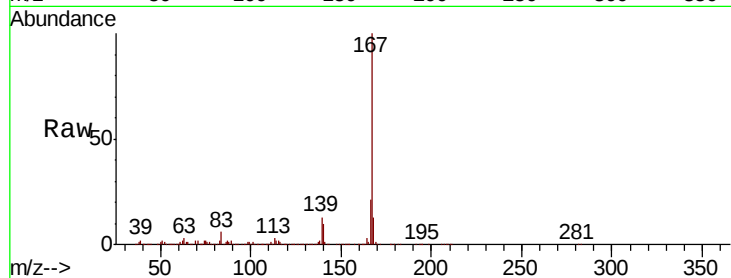
#73  
 Carbazole  
 Concen: 42.846 ng  
 RT: 17.57 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.5  | 17.4  | 26.2  |
| 139     | 13.1  | 10.6  | 16.0  |

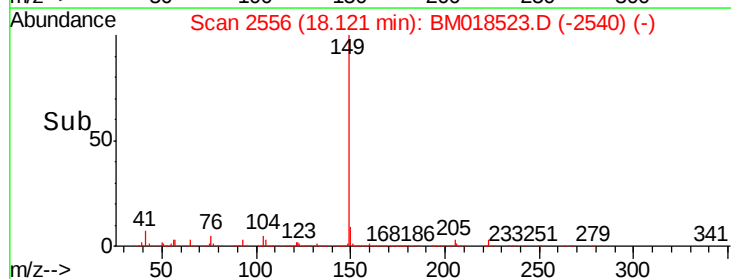
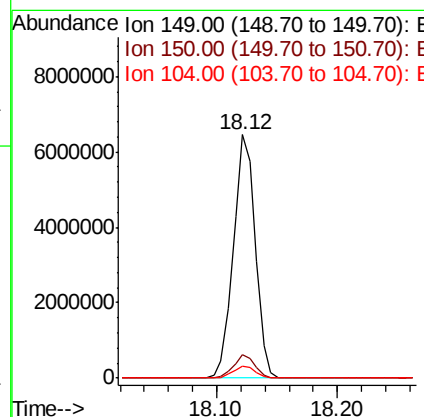
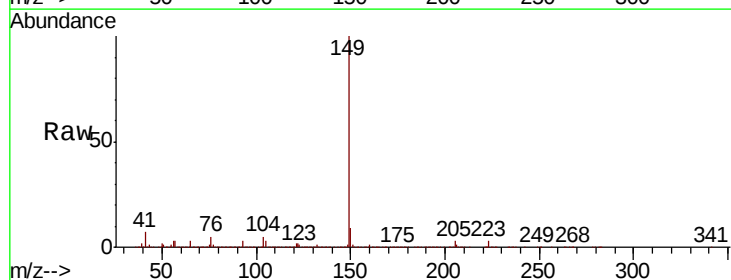
Manual Integrations  
 APPROVED

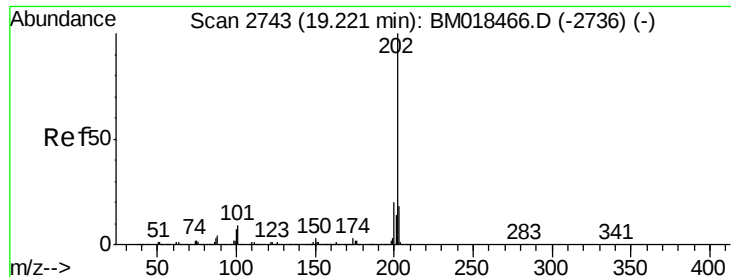
Sohil  
 1/11/2019 4:41:11 PM



#74  
 Di-n-butylphthalate  
 Concen: 48.046 ng  
 RT: 18.12 min Scan# 2556  
 Delta R.T. -0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 7.3   | 10.9  |
| 104     | 5.1   | 4.2   | 6.4   |





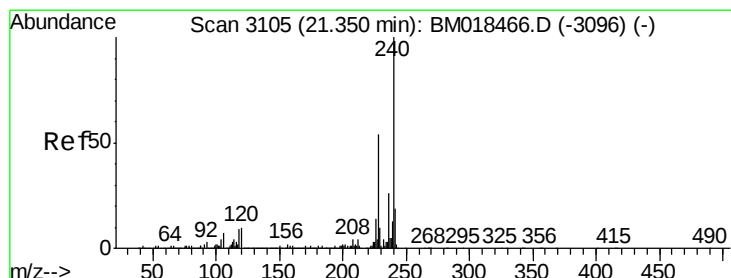
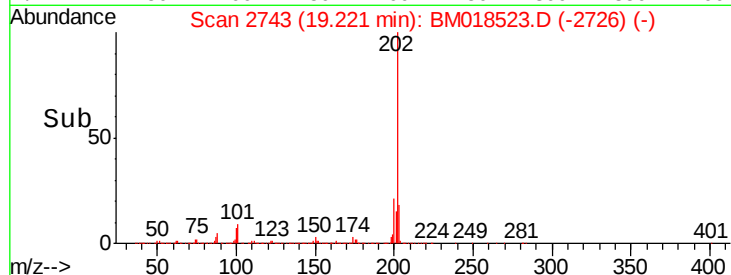
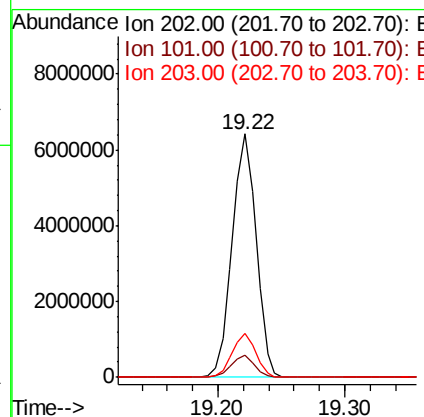
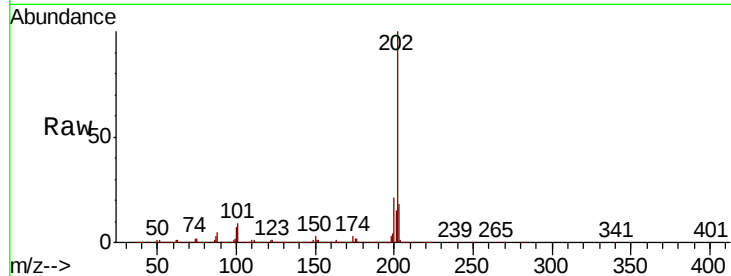
#75  
 Fluoranthene  
 Concen: 46.497 ng  
 RT: 19.22 min Scan# 2743  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.9   | 0.0   | 30.9  |
| 203     | 18.1  | 0.0   | 37.4  |

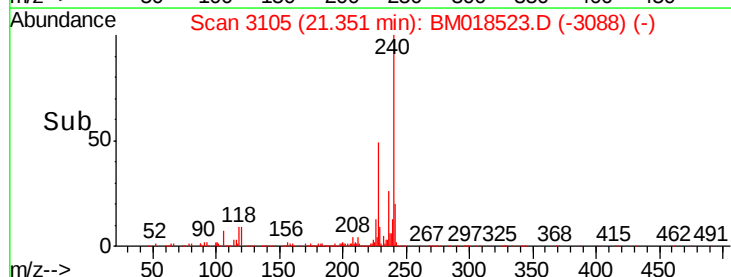
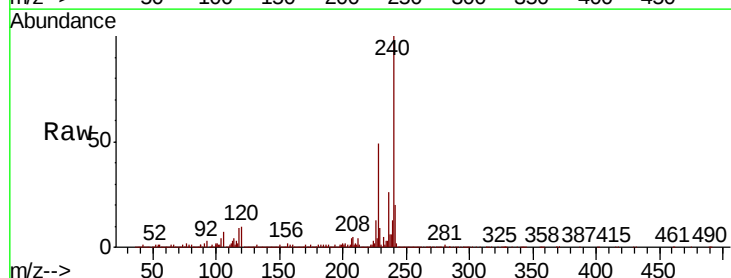
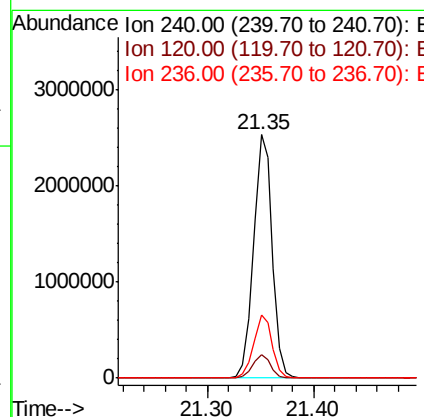
Manual Integrations  
 APPROVED

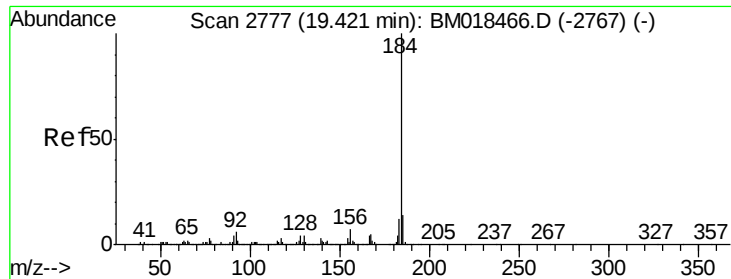
Sohil  
 1/11/2019 4:41:11 PM



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.35 min Scan# 3105  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.7   | 8.4   | 12.6  |
| 236     | 26.1  | 20.7  | 31.1  |





#77

Benzidine

Concen: 49.959 ng

RT: 19.42 min Scan# 2776

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion:184 Resp: 3835940

Ion Ratio Lower Upper

184 100

185 14.3 11.4 17.0

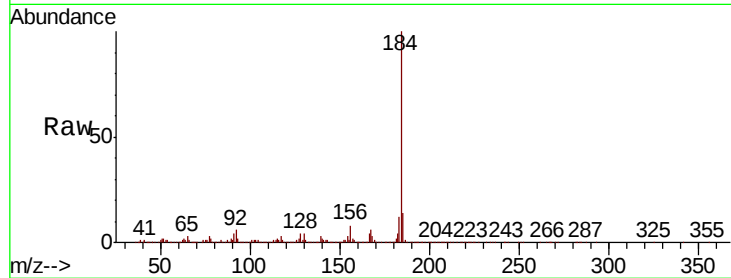
183 11.5 9.5 14.3

Manual Integrations

APPROVED

Sohil

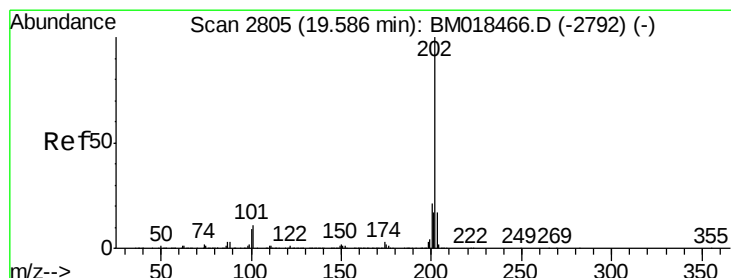
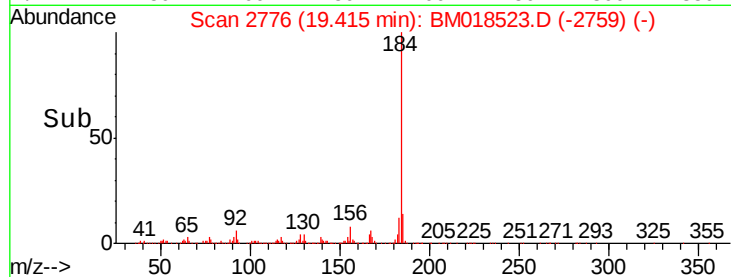
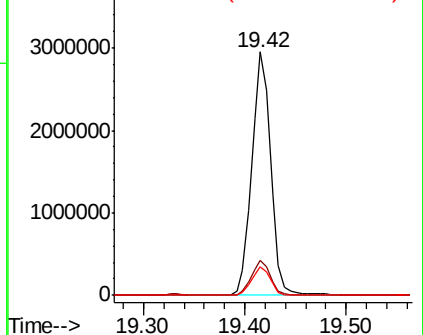
1/11/2019 4:41:11 PM



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: 46.296 ng

RT: 19.59 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

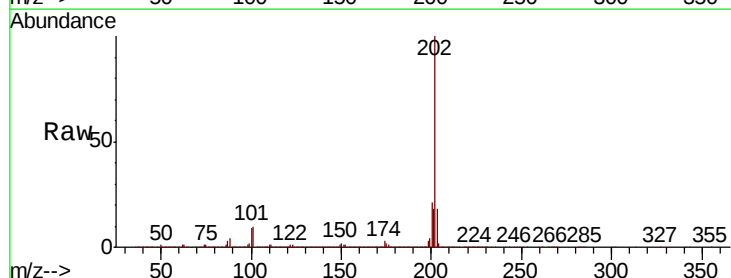
Tgt Ion:202 Resp: 8533502

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

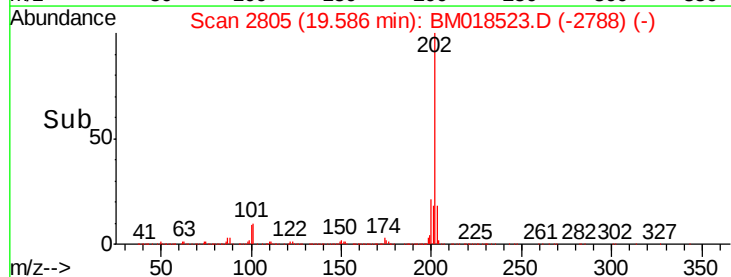
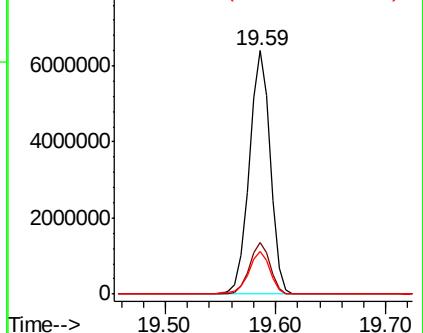
203 17.7 13.8 20.8

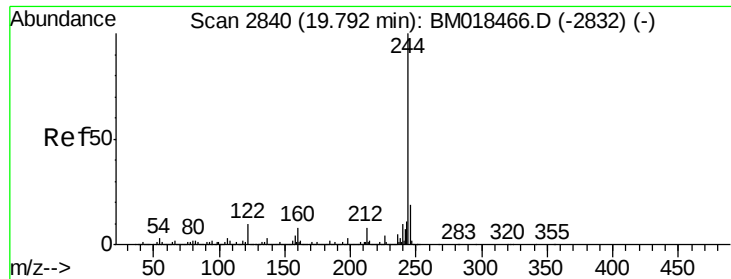


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





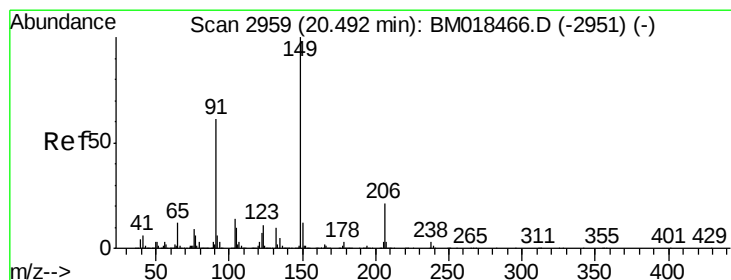
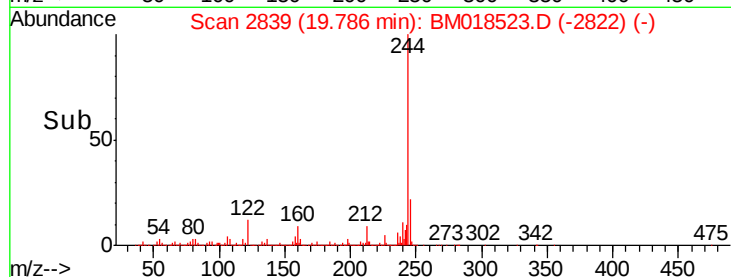
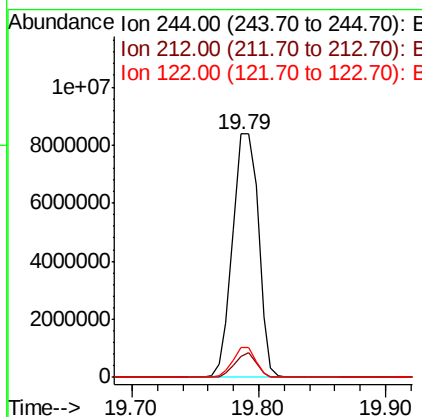
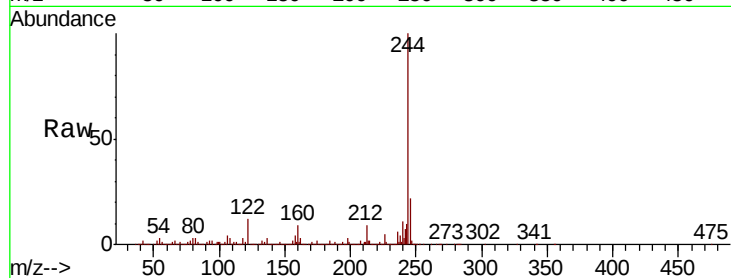
#79  
 Terphenyl-d14  
 Concen: 79.797 ng  
 RT: 19.79 min Scan# 2839  
 Delta R.T. 0.00 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-16MSD

Tot Ion:244 Resp:11771062  
 Ion Ratio Lower Upper  
 244 100  
 212 8.7 5.9 8.9  
 122 12.0 9.0 13.4

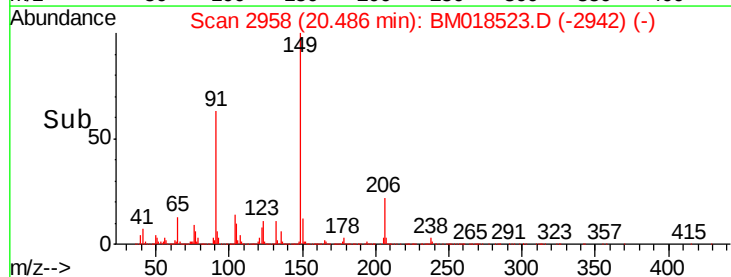
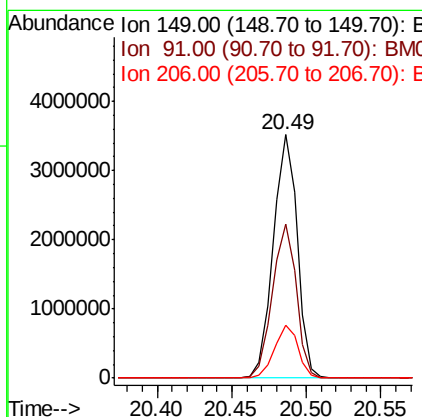
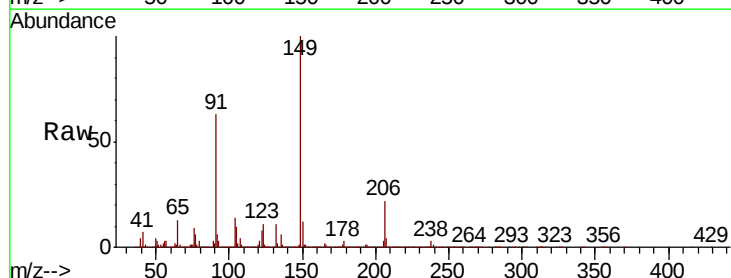
Manual Integrations  
 APPROVED

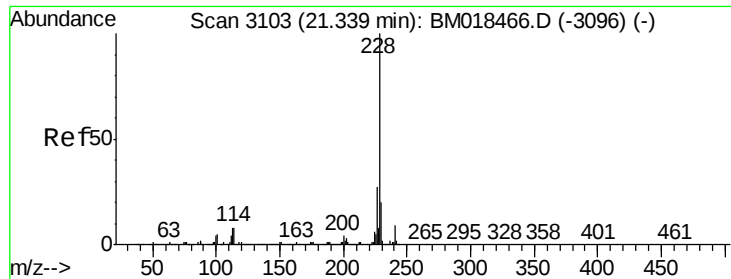
Sohil  
 1/11/2019 4:41:11 PM



#80  
 Butylbenzylphthalate  
 Concen: 49.998 ng  
 RT: 20.49 min Scan# 2958  
 Delta R.T. -0.01 min  
 Lab File: BM018523.D  
 Acq: 10 Jan 2019 23:53

Tgt Ion:149 Resp: 3932455  
 Ion Ratio Lower Upper  
 149 100  
 91 63.4 53.1 79.7  
 206 21.6 16.2 24.4





#81

Benzo(a)anthracene

Concen: 45.746 ng

RT: 21.34 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampled :

TP-16MSD

Tot Ion:228 Resp: 8380397

Ion Ratio Lower Upper

228 100

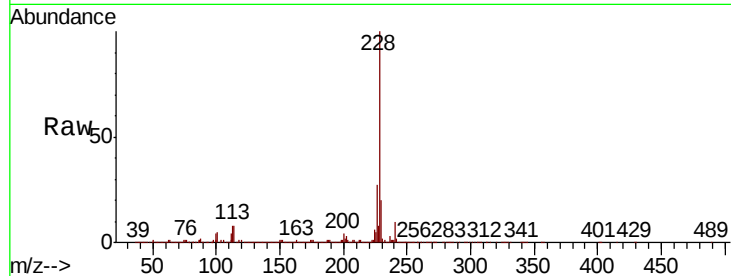
226 27.3 21.8 32.6

229 19.9 15.8 23.8

Manual Integrations  
APPROVED

Sohil

1/11/2019 4:41:11 PM

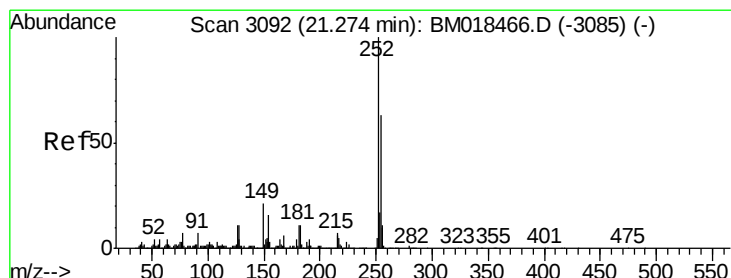
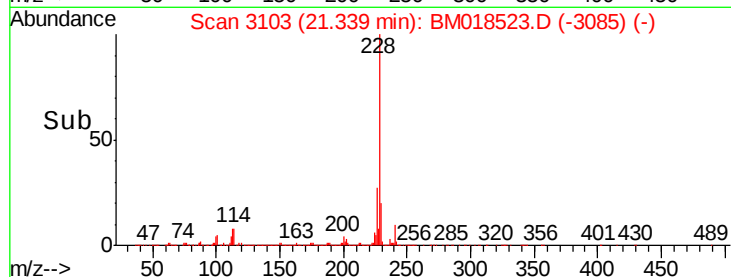
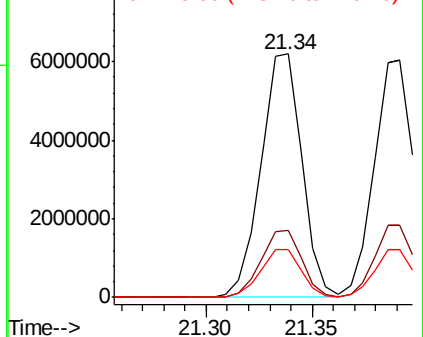


Abundance

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: 20.813 ng

RT: 21.27 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

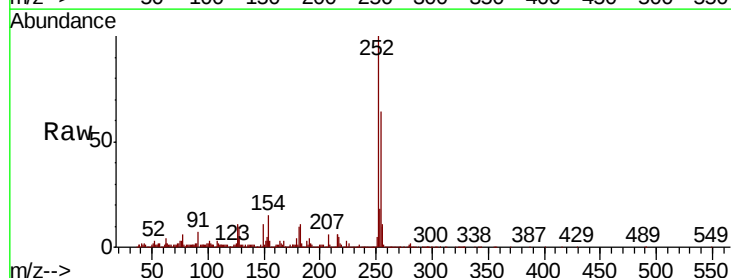
Tgt Ion:252 Resp: 1441815

Ion Ratio Lower Upper

252 100

254 64.2 51.4 77.0

126 10.6 8.7 13.1

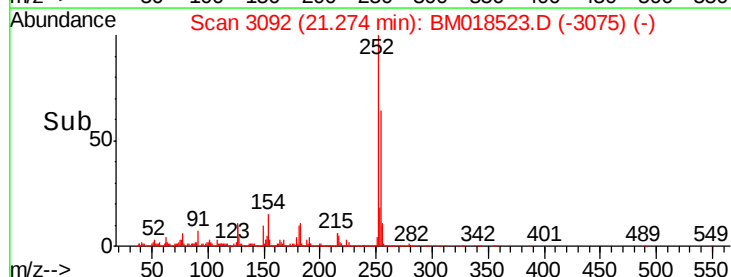
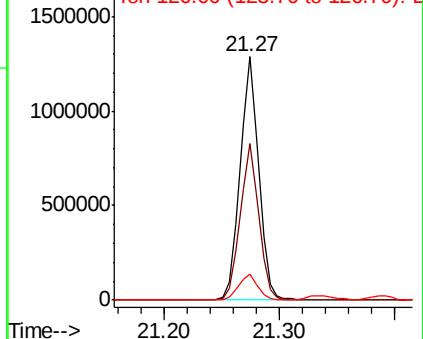


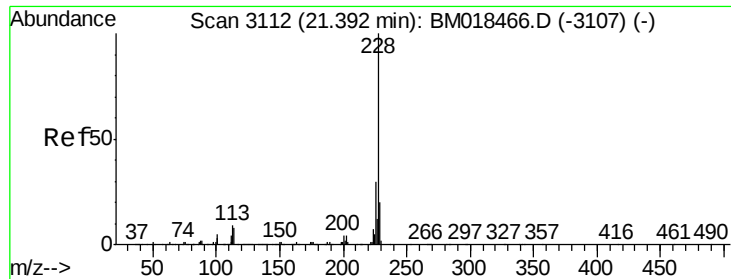
Abundance

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





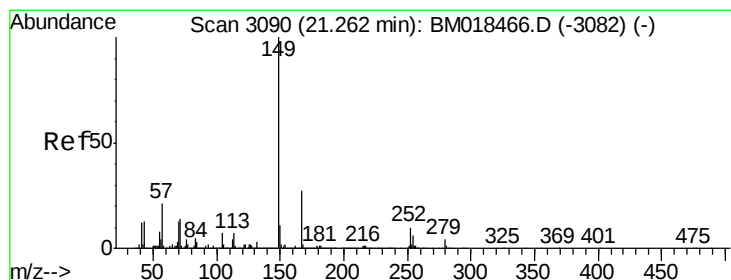
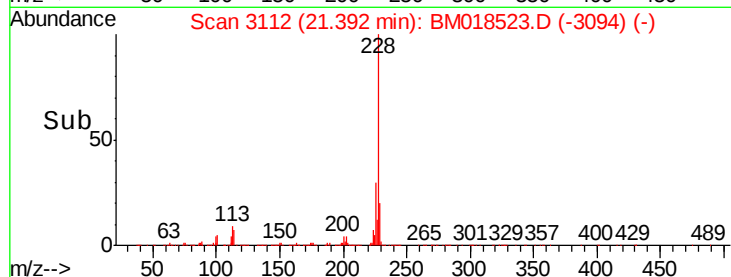
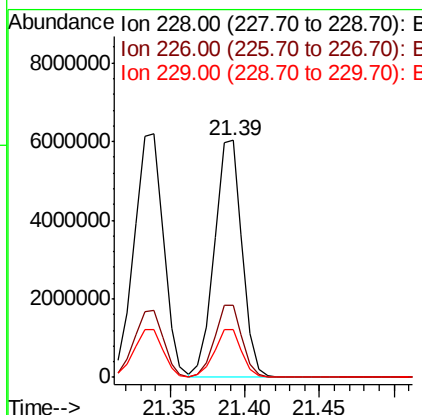
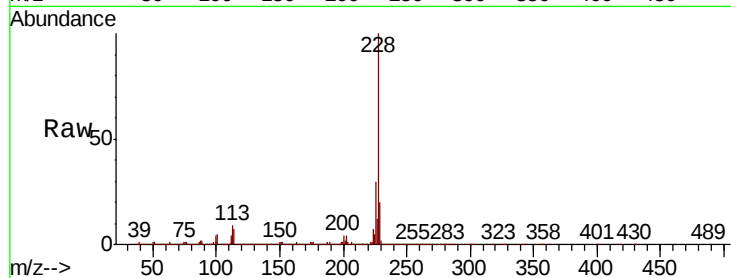
#83  
Chrvsene  
Concen: 44.200 ng  
RT: 21.39 min Scan# 3112  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 24.2  | 36.2  |
| 229     | 19.9  | 15.6  | 23.4  |

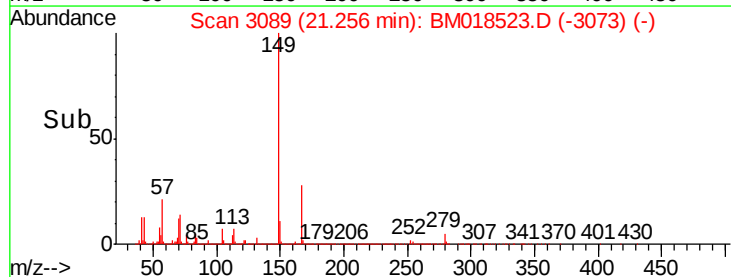
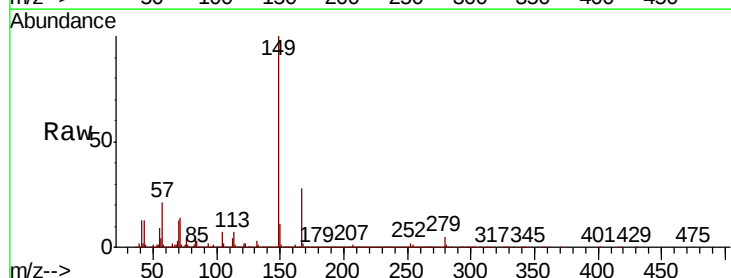
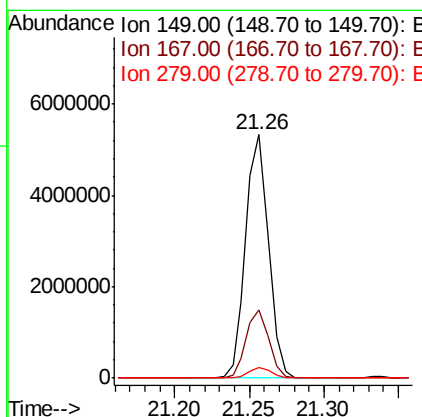
Manual Integrations  
APPROVED

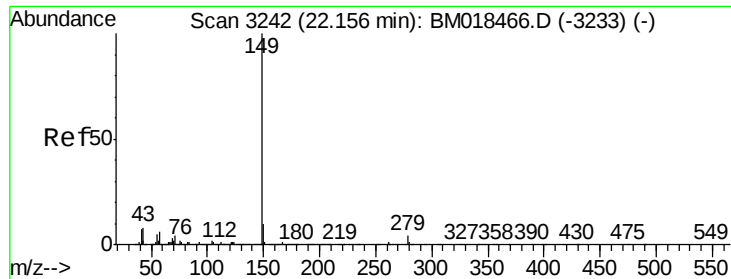
Sohil  
1/11/2019 4:41:11 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 49.726 ng  
RT: 21.26 min Scan# 3089  
Delta R.T. -0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.8  | 21.6  | 32.4  |
| 279     | 4.6   | 3.3   | 4.9   |





#85

Di-n-octyl phthalate

Concen: 50.488 ng

RT: 22.15 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA\_M

ClientSampleId :

TP-16MSD

Tot Ion:149 Resp: 9644289

Ion Ratio Lower Upper

149 100

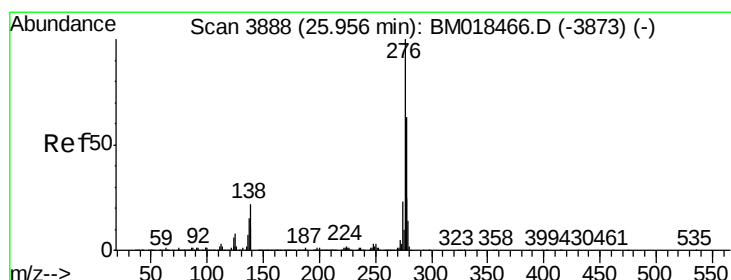
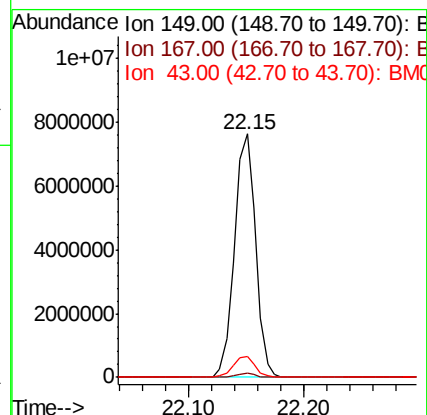
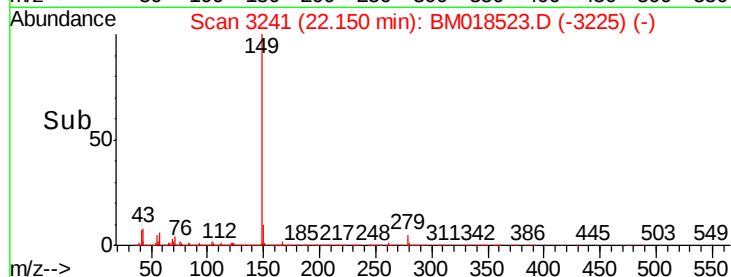
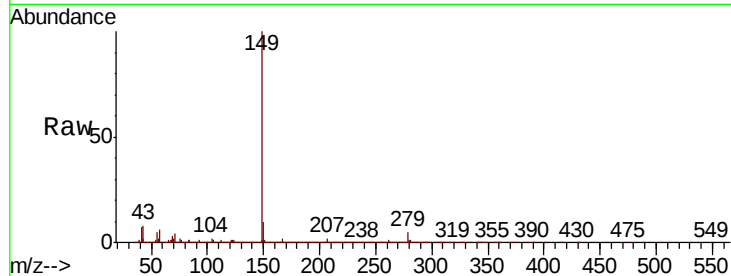
167 1.6 1.3 1.9

43 8.5 8.6 12.8#

Manual Integrations  
APPROVED

Sohil

1/11/2019 4:41:11 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.358 ng

RT: 25.96 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

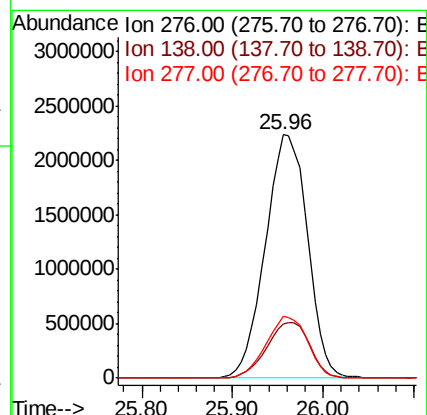
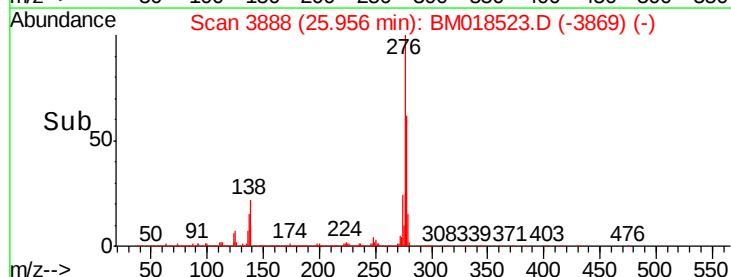
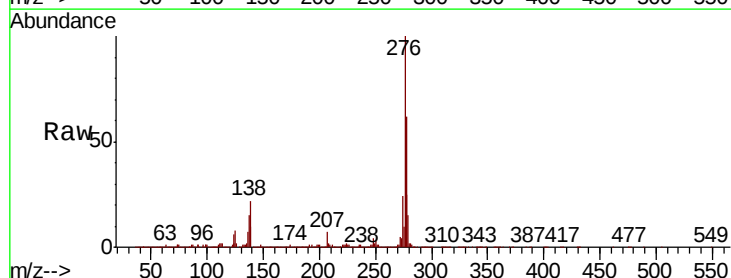
Tgt Ion:276 Resp: 7212549

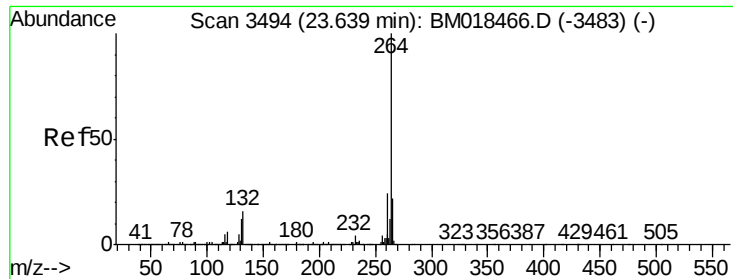
Ion Ratio Lower Upper

276 100

138 23.4 21.5 32.3

277 25.0 20.2 30.2





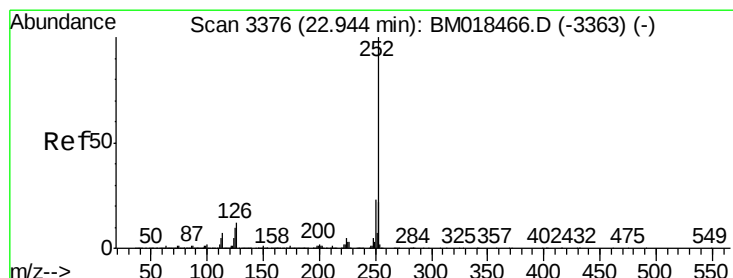
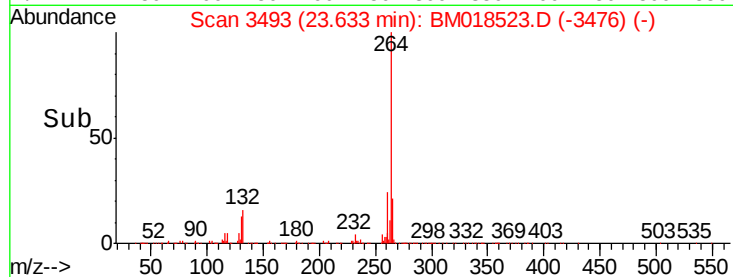
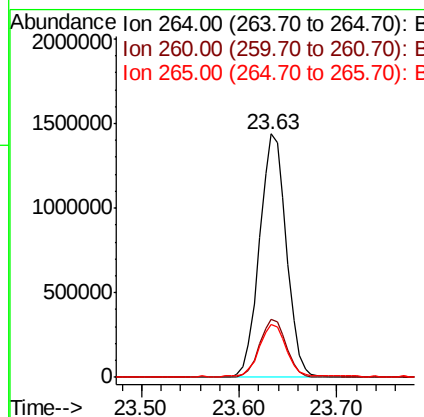
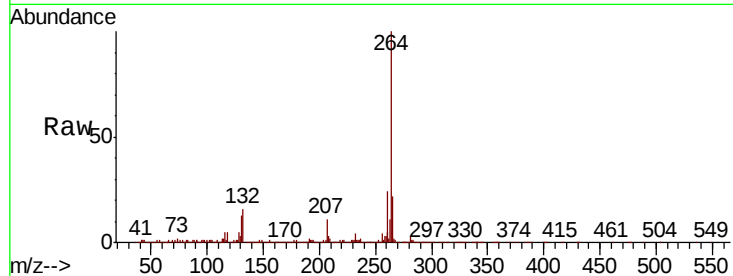
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.63 min Scan# 3493  
Delta R.T. 0.00 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.9  | 28.3  |
| 265     | 21.5  | 16.8  | 25.2  |

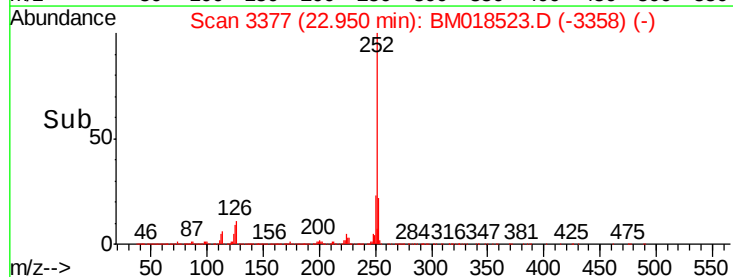
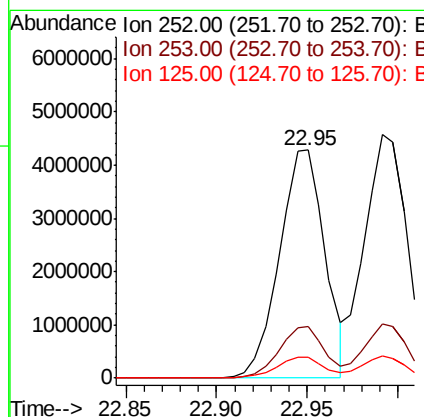
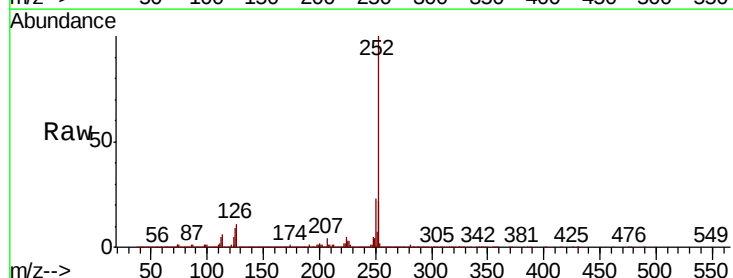
Manual Integrations  
APPROVED

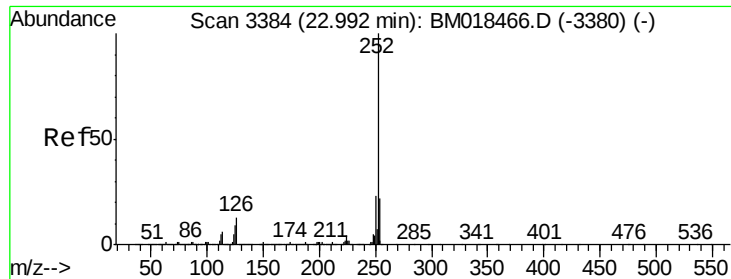
Sohil  
1/11/2019 4:41:11 PM



#88  
Benzo(b)fluoranthene  
Concen: 47.596 ng  
RT: 22.95 min Scan# 3377  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.6  | 26.4  |
| 125     | 9.0   | 8.5   | 12.7  |





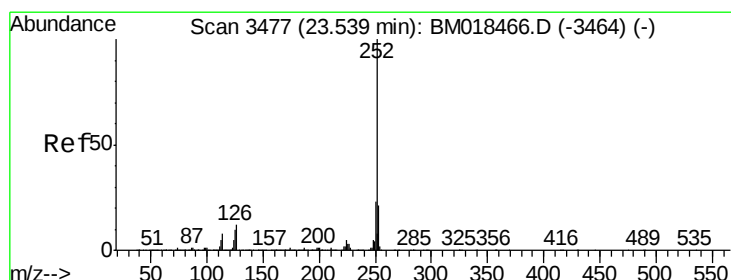
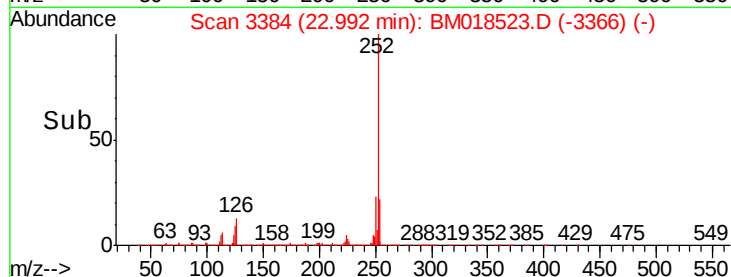
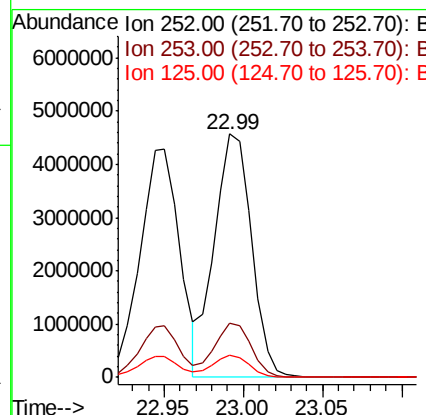
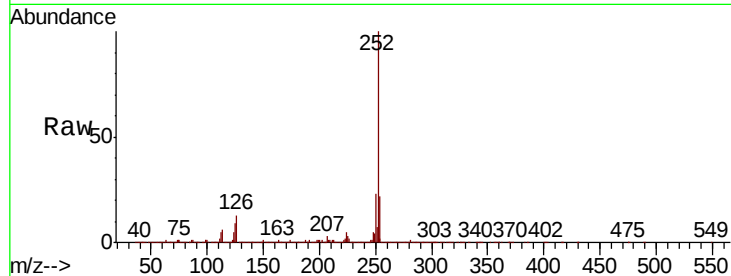
#89  
Benzo(k)fluoranthene  
Concen: 47.042 ng  
RT: 22.99 min Scan# 3384  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.4  | 26.0  |
| 125     | 9.3   | 8.6   | 12.8  |

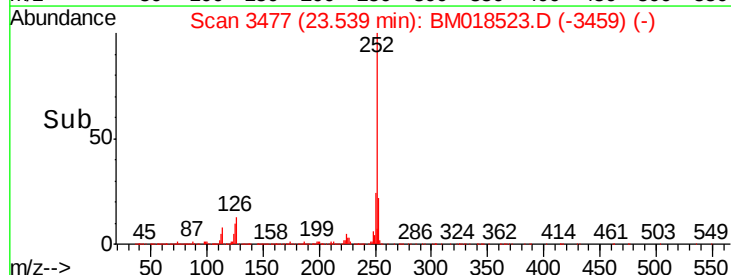
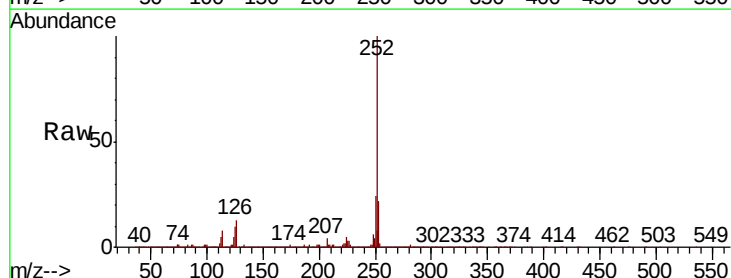
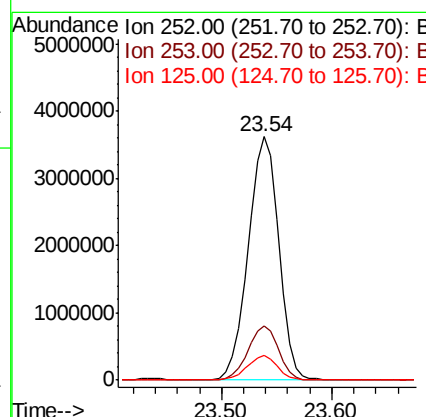
Manual Integrations  
APPROVED

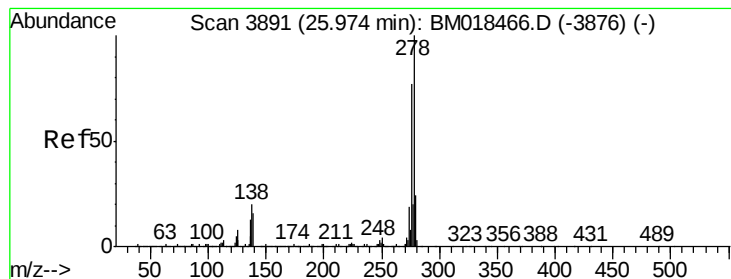
Sohil  
1/11/2019 4:41:11 PM



#90  
Benzo(a)pyrene  
Concen: 46.754 ng  
RT: 23.54 min Scan# 3477  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.5  | 26.3  |
| 125     | 10.1  | 9.7   | 14.5  |





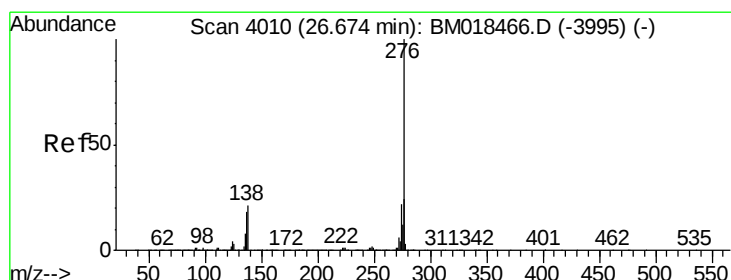
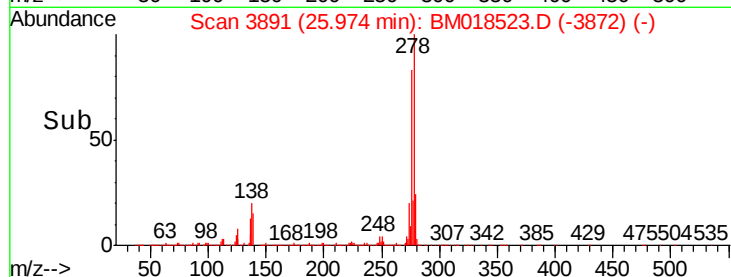
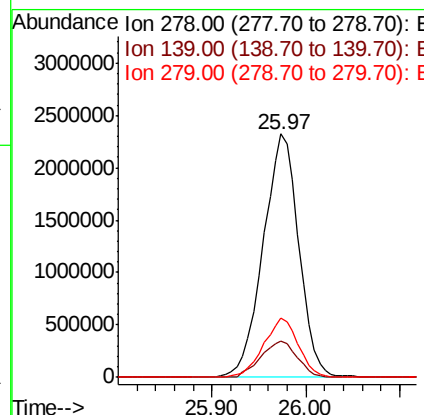
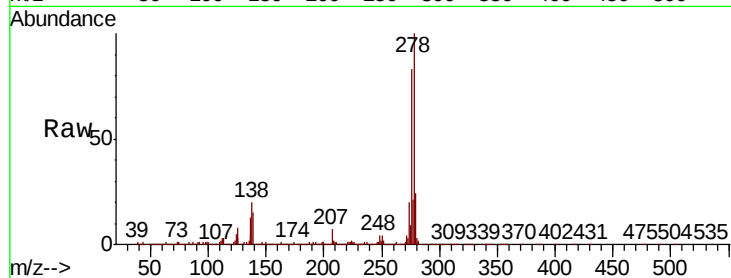
#91  
Dibenzo(a,h)anthracene  
Concen: 39.822 ng  
RT: 25.97 min Scan# 3891  
Delta R.T. 0.01 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

Instrument :  
BNA\_M  
ClientSampleId :  
TP-16MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.9  | 13.2  | 19.8  |
| 279     | 24.3  | 19.0  | 28.4  |

Manual Integrations  
APPROVED

Sohil  
1/11/2019 4:41:11 PM



#92  
Benzo(g,h,i)perylene  
Concen: 38.893 ng  
RT: 26.68 min Scan# 4011  
Delta R.T. 0.02 min  
Lab File: BM018523.D  
Acq: 10 Jan 2019 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 19.0  | 28.4  |
| 138     | 19.9  | 18.1  | 27.1  |

