

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\  
 Data File : BF116383.D  
 Acq On : 19 Aug 2019 12:13  
 Operator : HP/JU  
 Sample : PB122287BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

Manual Integrations  
 APPROVED

mohammad  
 8/22/2019 12:45:10 PM

Quant Time: Aug 19 16:51:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:03:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 120661   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.09  | 136  | 497539   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.83  | 164  | 263678   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.32 | 188  | 452019   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 13.97 | 240  | 318093   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.42 | 264  | 257460   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.45  | 112  | 815141   | 113.09 | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 978491   | 107.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 634544   | 73.62  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 262730   | 102.77 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 1119513  | 79.53  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.90 | 244  | 1213489  | 80.39  | ng    | -0.02    |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88   | 133393   | 36.634 | ng    | 99     |
| 3) Pyridine                    | 3.39 | 79   | 300904   | 29.583 | ng    | 98     |
| 4) n-Nitrosodimethylamine      | 3.33 | 42   | 140949   | 35.114 | ng    | 97     |
| 6) Aniline                     | 6.47 | 93   | 353533   | 27.146 | ng    | # 81   |
| 8) 2-Chlorophenol              | 6.60 | 128  | 337703   | 42.370 | ng    | 98     |
| 9) Benzaldehyde                | 6.37 | 77   | 81476    | 12.985 | ng    | 97     |
| 10) Phenol                     | 6.47 | 94   | 424840   | 39.672 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.54 | 93   | 326628   | 41.486 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146  | 355973   | 38.646 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146  | 367851   | 39.885 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146  | 340229   | 40.063 | ng    | 99     |
| 15) Benzyl Alcohol             | 6.96 | 79   | 268861   | 38.958 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45   | 415031   | 38.647 | ng    | 76     |
| 17) 2-Methylphenol             | 7.07 | 107  | 279061   | 41.350 | ng    | 96     |
| 18) Hexachloroethane           | 7.31 | 117  | 131632   | 38.765 | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70   | 234271   | 41.573 | ng    | 99     |
| 20) 3+4-Methylphenols          | 7.23 | 107  | 358869   | 44.935 | ng    | # 82   |
| 22) Acetophenone               | 7.22 | 105  | 467052   | 42.803 | ng    | 94     |
| 24) Nitrobenzene               | 7.39 | 77   | 375478   | 40.344 | ng    | 99     |
| 25) Isophorone                 | 7.63 | 82   | 668462   | 40.558 | ng    | 98     |
| 26) 2-Nitrophenol              | 7.71 | 139  | 183156   | 41.749 | ng    | 95     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122  | 299450   | 45.369 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93   | 410613   | 40.195 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.96 | 162  | 289371   | 41.522 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180  | 310071   | 39.032 | ng    | 99     |
| 31) Naphthalene                | 8.10 | 128  | 976257   | 41.697 | ng    | 99     |
| 32) Benzoic acid               | 7.91 | 122  | 153178   | 32.917 | ng    | 97     |
| 33) 4-Chloroaniline            | 8.16 | 127  | 290879   | 27.806 | ng    | 98     |
| 34) Hexachlorobutadiene        | 8.22 | 225  | 173502   | 37.917 | ng    | 99     |
| 35) Caprolactam                | 8.53 | 113  | 87433m   | 38.790 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107  | 297889   | 41.088 | ng    | 95     |
| 37) 2-Methylnaphthalene        | 8.80 | 142  | 639283   | 41.459 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.89 | 142  | 602854   | 41.327 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216  | 296036   | 41.996 | ng    | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\  
 Data File : BF116383.D  
 Acq On : 19 Aug 2019 12:13  
 Operator : HP/JU  
 Sample : PB122287BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB122287BS

Manual Integrations  
 APPROVED

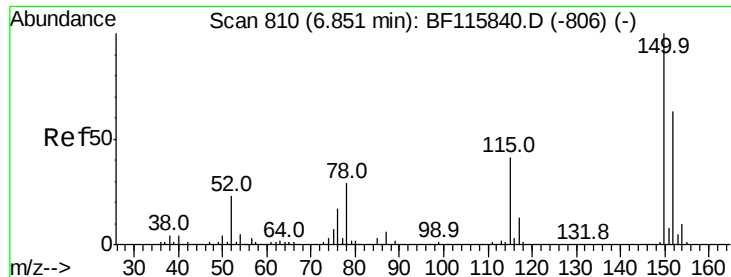
mohammad  
 8/22/2019 12:45:10 PM

Quant Time: Aug 19 16:51:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:03:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 140189   | 46.942 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 171812   | 35.410 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.13  | 196  | 182833   | 36.453 | nq    | 99       |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 784631   | 42.149 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.29  | 162  | 614742   | 39.677 | nq    | 100      |
| 48) 2-Nitroaniline             | 9.39  | 65   | 192873   | 37.661 | nq    | 100      |
| 49) Acenaphthylene             | 9.70  | 152  | 909110   | 40.219 | nq    | 99       |
| 50) Dimethylphthalate          | 9.56  | 163  | 706585   | 39.356 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 157700   | 40.419 | nq #  | 89       |
| 52) Acenaphthene               | 9.87  | 154  | 556089   | 40.101 | nq    | 100      |
| 53) 3-Nitroaniline             | 9.80  | 138  | 126852   | 26.313 | nq    | 96       |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 101425   | 53.932 | nq    | 98       |
| 55) Dibenzofuran               | 10.05 | 168  | 790033   | 39.176 | nq    | 100      |
| 56) 4-Nitrophenol              | 9.99  | 139  | 182059   | 58.951 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.04 | 165  | 194427   | 37.428 | nq #  | 88       |
| 58) Fluorene                   | 10.39 | 166  | 645901   | 41.629 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 156193   | 37.015 | nq    | 99       |
| 60) Diethylphthalate           | 10.26 | 149  | 669868   | 39.964 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 324001   | 41.233 | nq    | 97       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 148720   | 29.851 | nq    | 99       |
| 63) Azobenzene                 | 10.53 | 77   | 697742   | 40.471 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 94538    | 39.466 | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 10.49 | 169  | 571470   | 42.003 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 194728   | 40.243 | nq    | 98       |
| 68) Hexachlorobenzene          | 10.94 | 284  | 218863   | 39.115 | nq    | 99       |
| 69) Atrazine                   | 11.02 | 200  | 167017   | 37.315 | nq    | 98       |
| 70) Pentachlorophenol          | 11.15 | 266  | 141162m  | 51.964 | nq    |          |
| 71) Phenanthrene               | 11.35 | 178  | 942633   | 40.792 | nq    | 99       |
| 72) Anthracene                 | 11.40 | 178  | 964476   | 41.241 | nq    | 99       |
| 73) Carbazole                  | 11.56 | 167  | 870178   | 41.013 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.87 | 149  | 1038520  | 41.959 | nq    | 99       |
| 75) Fluoranthene               | 12.54 | 202  | 983941   | 40.672 | nq    | 99       |
| 77) Benzidine                  | 12.66 | 184  | 210890   | 19.624 | nq    | 98       |
| 78) Pyrene                     | 12.77 | 202  | 1002755  | 41.819 | nq    | 100      |
| 80) Butylbenzylphthalate       | 13.37 | 149  | 432816   | 42.672 | nq    | 98       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 807104   | 39.697 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 250755   | 35.500 | nq    | 100      |
| 83) Chrysene                   | 13.99 | 228  | 801842   | 40.623 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 590449   | 44.797 | nq    | 98       |
| 85) Di-n-octyl phthalate       | 14.53 | 149  | 936592   | 44.737 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.88 | 276  | 667232   | 40.247 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 15.00 | 252  | 768111   | 51.597 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.03 | 252  | 665858   | 45.922 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.36 | 252  | 671217   | 50.439 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.88 | 278  | 570783   | 49.551 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.32 | 276  | 560293   | 49.527 | nq    | 99       |

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





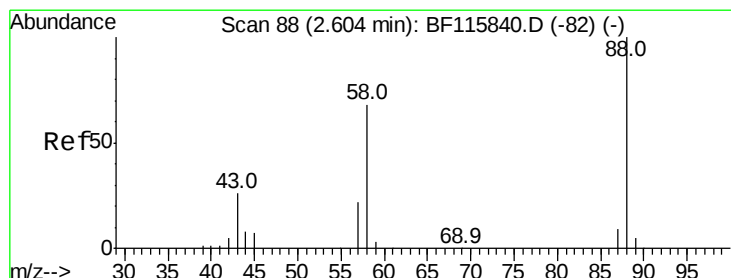
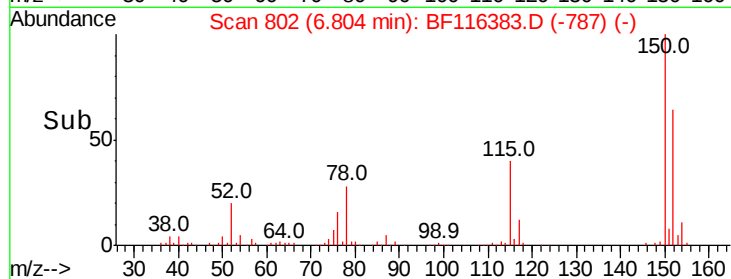
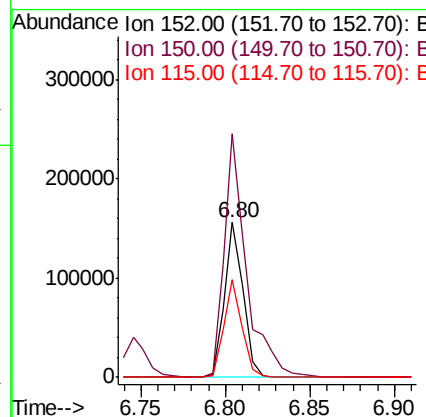
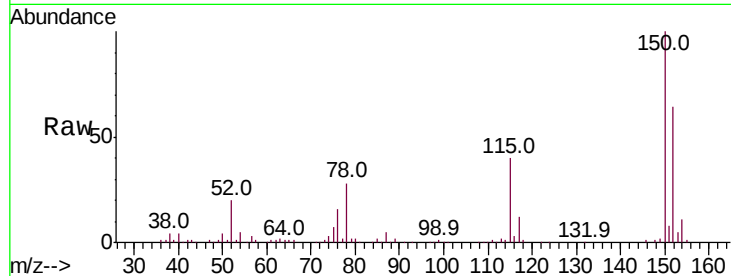
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.80 min Scan# 802  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 126.2 | 189.2 |
| 115     | 62.8  | 49.9  | 74.9  |

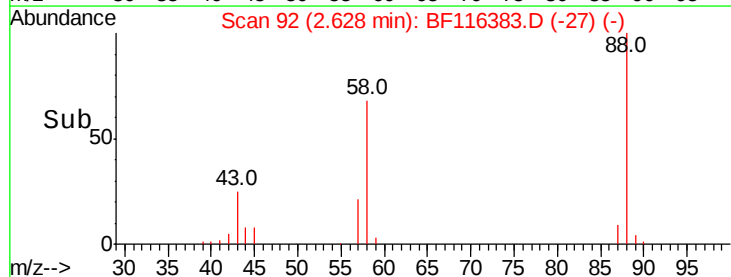
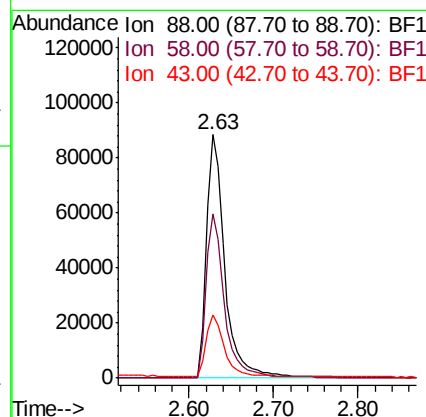
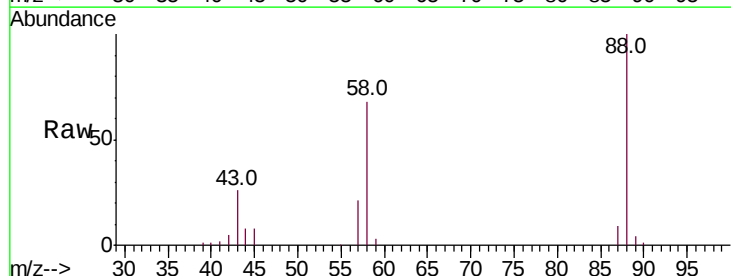
Manual Integrations  
 APPROVED

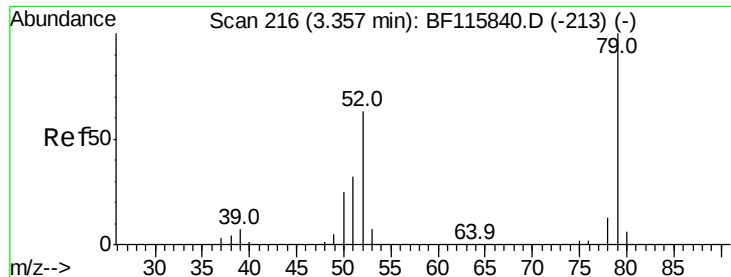
mohammad  
 8/22/2019 12:45:10 PM



#2  
 1,4-Dioxane  
 Concen: 36.634 ng  
 RT: 2.63 min Scan# 92  
 Delta R.T. 0.08 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.7  | 53.7  | 80.5  |
| 43      | 24.8  | 21.0  | 31.4  |





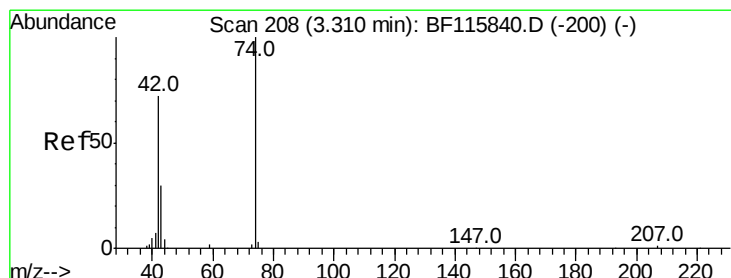
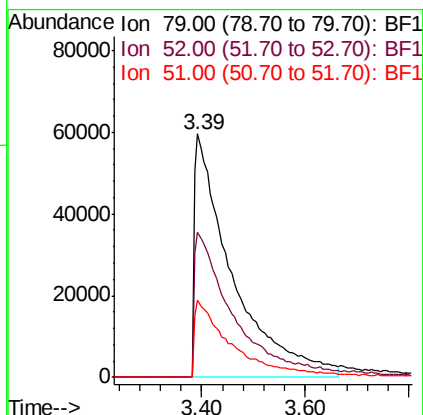
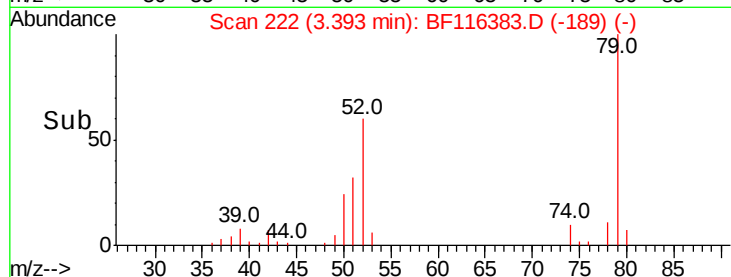
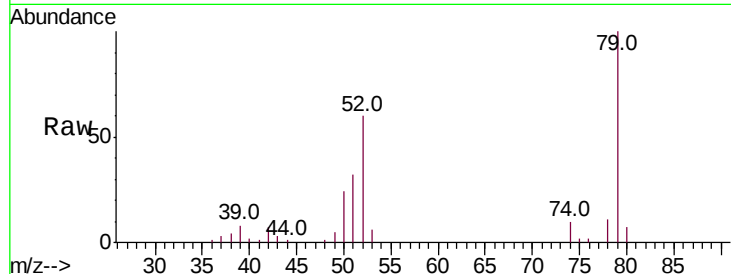
#3  
 Pvridine  
 Concen: 29.583 ng  
 RT: 3.39 min Scan# 222  
 Delta R.T. 0.09 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 300904 |       |       |
| 52      | 59.5  |        | 49.8  | 74.8  |
| 51      | 31.6  |        | 25.2  | 37.8  |

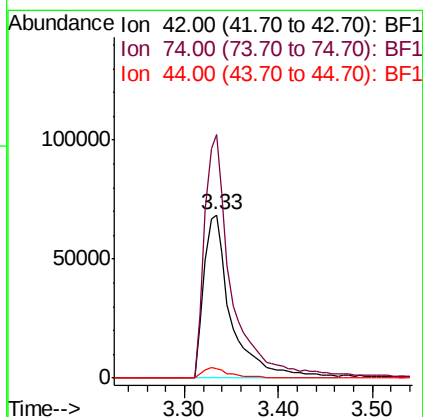
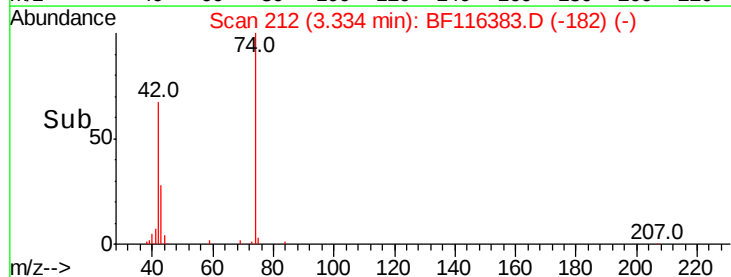
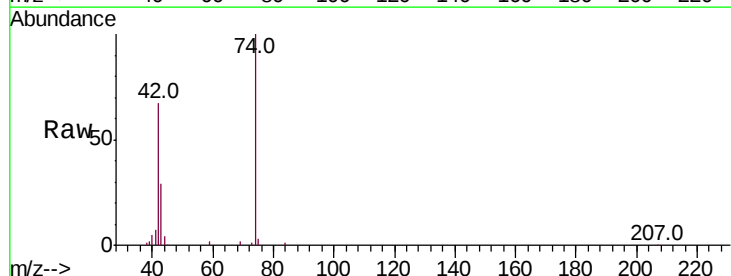
Manual Integrations  
 APPROVED

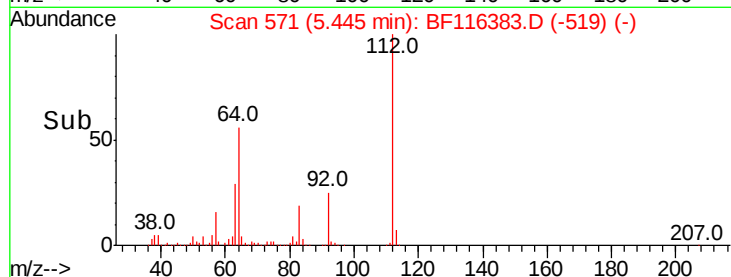
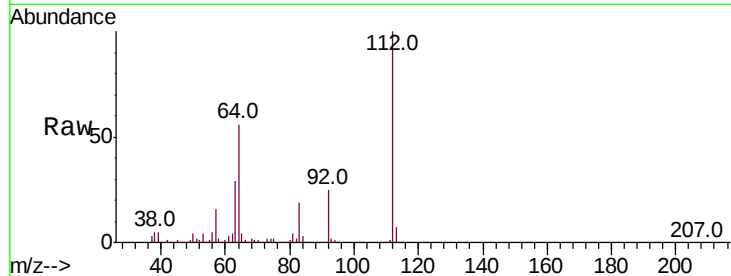
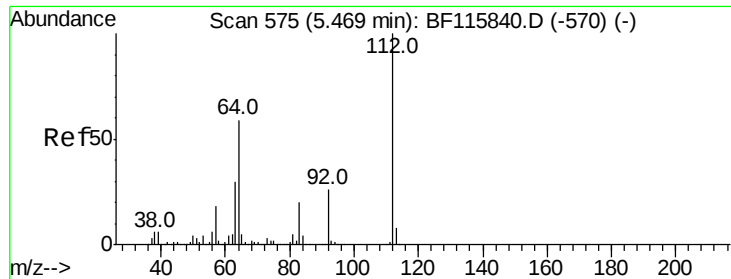
mohammad  
 8/22/2019 12:45:10 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 35.114 ng  
 RT: 3.33 min Scan# 212  
 Delta R.T. 0.08 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 42      | 100   | 140949 |       |       |
| 74      | 149.4 |        | 116.0 | 174.0 |
| 44      | 6.1   |        | 4.6   | 7.0   |





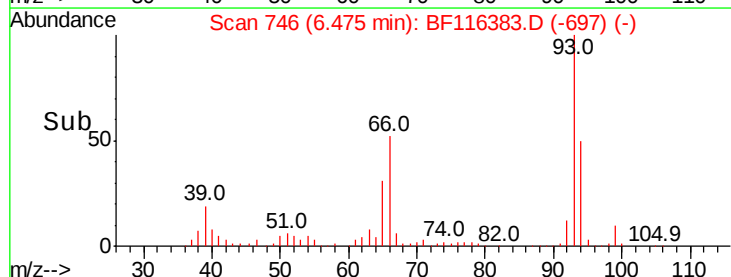
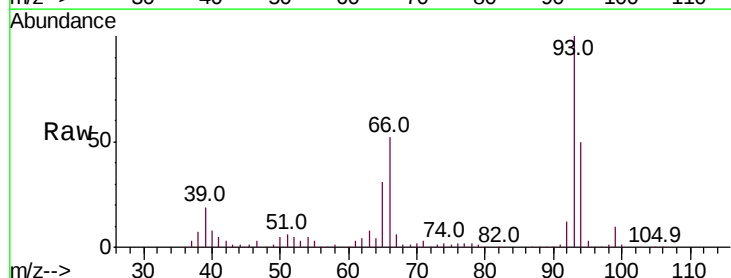
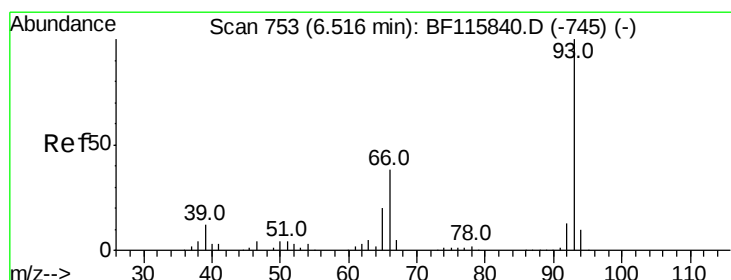
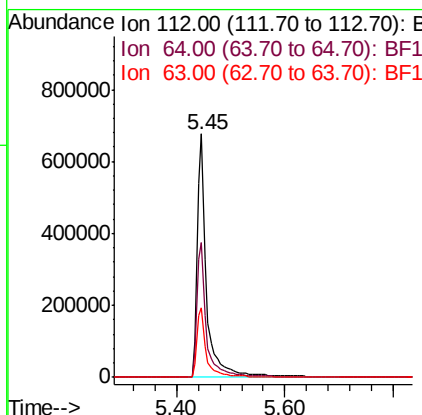
#5  
2-Fluorophenol  
Concen: 113.093 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 112     | 100   |            |       |
| 64      | 55.6  | 45.4       | 68.2  |
| 63      | 28.7  | 23.7       | 35.5  |

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

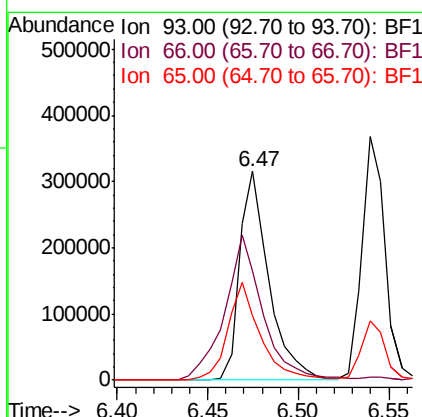
Manual Integrations  
APPROVED

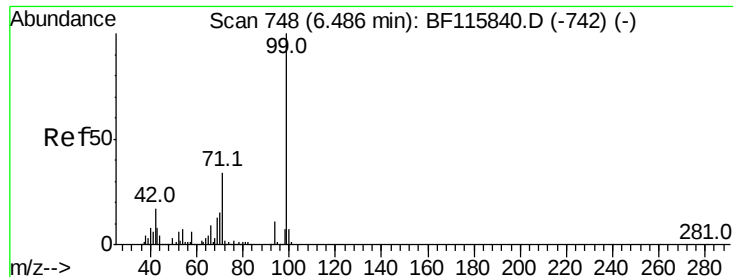
mohammad  
8/22/2019 12:45:10 PM



#6  
Aniline  
Concen: 27.146 ng  
RT: 6.47 min Scan# 746  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 66      | 52.2  | 32.2       | 48.4# |
| 65      | 30.6  | 17.0       | 25.6# |





#7

Phenol-d6

Concen: 107.600 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

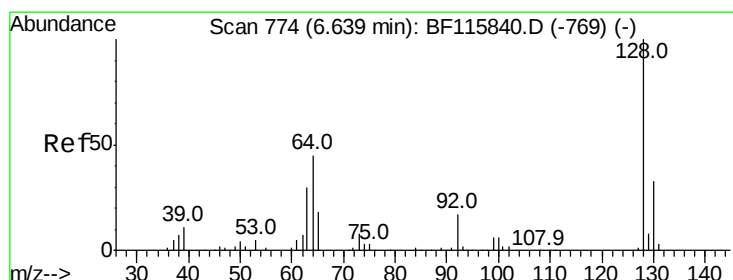
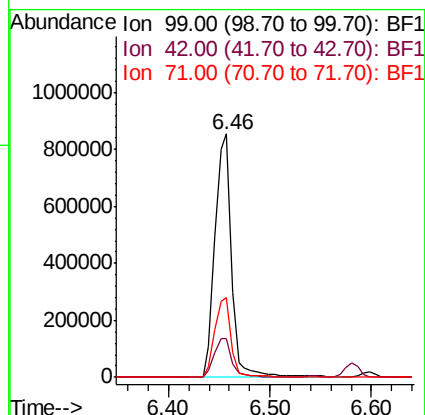
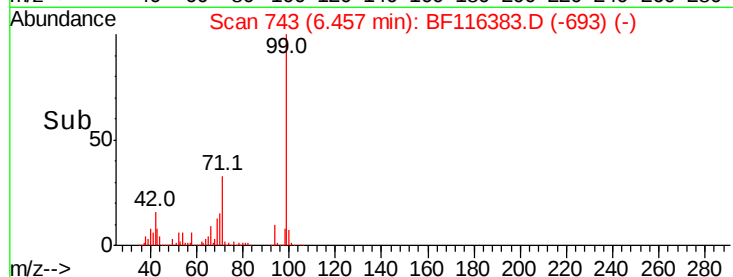
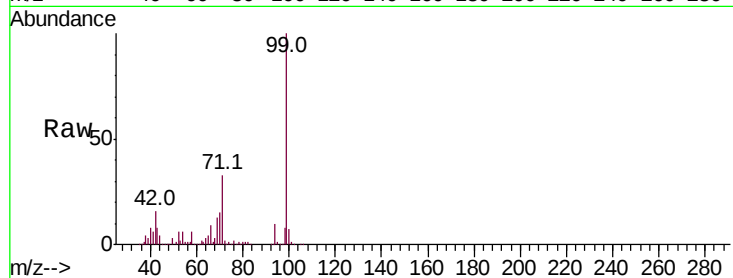
ClientSampleId :

PB122287BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 978491 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.2  | 13.8  | 20.8   |
| 71        | 33.0  | 27.3  | 40.9   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#8

2-Chlorophenol

Concen: 42.370 ng

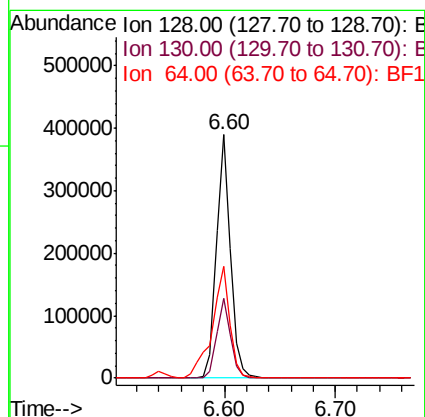
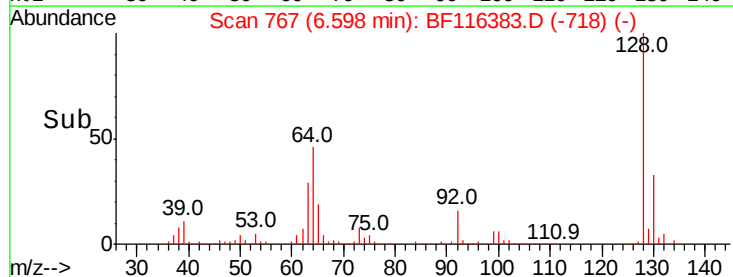
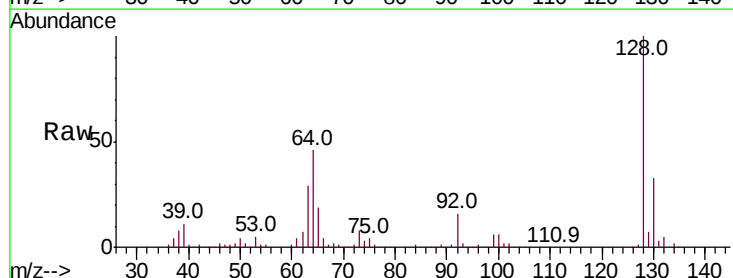
RT: 6.60 min Scan# 767

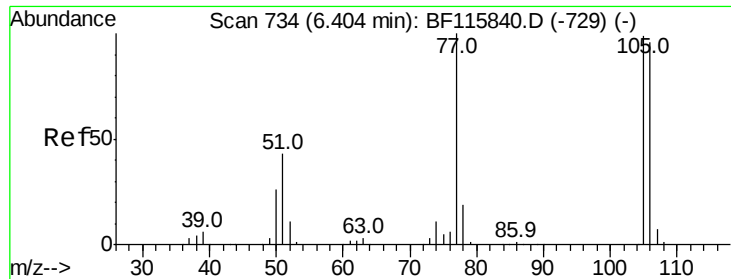
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 337703 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.8  | 12.9  | 52.9   |
| 64        | 46.1  | 24.3  | 64.3   |





#9

Benzaldehyde

Concen: 12.985 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

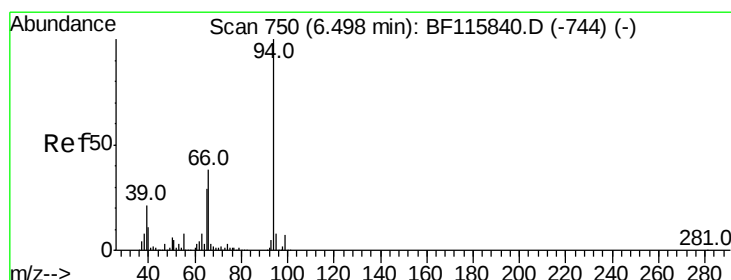
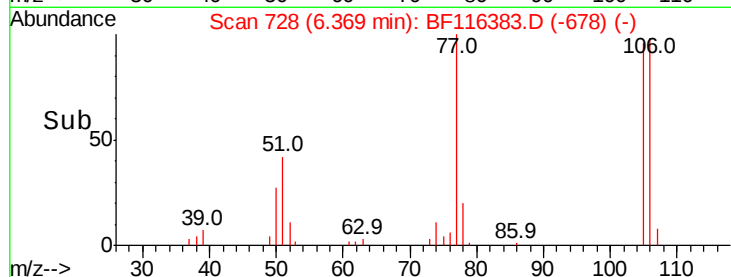
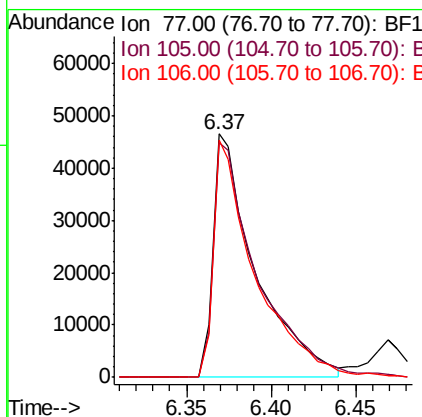
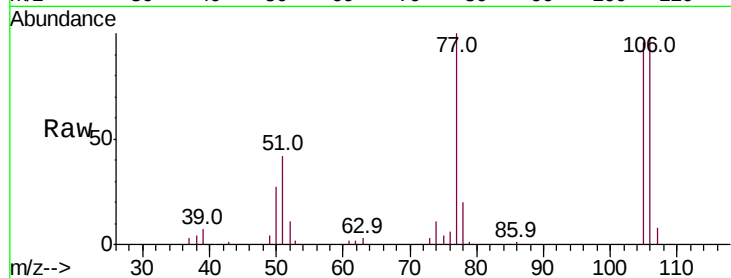
ClientSampleId :

PB122287BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 81476 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 96.2  | 79.2  | 119.2 |
| 106      | 97.7  | 74.3  | 114.3 |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#10

Phenol

Concen: 39.672 ng

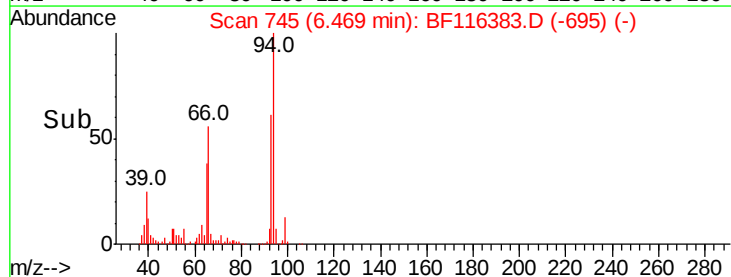
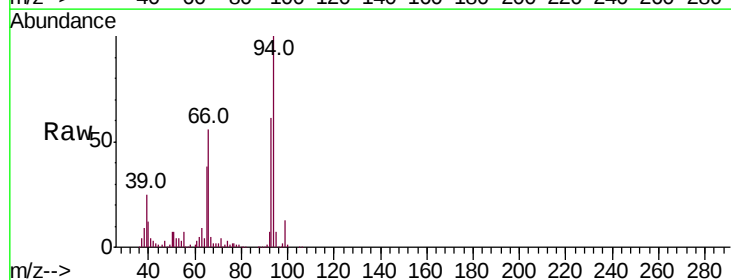
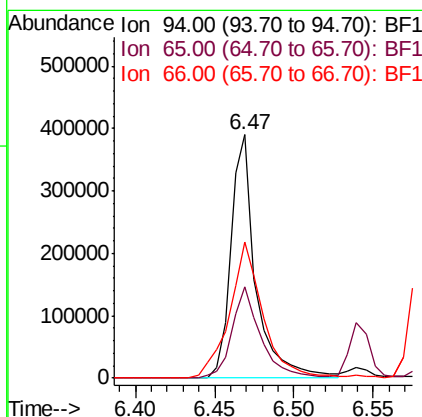
RT: 6.47 min Scan# 745

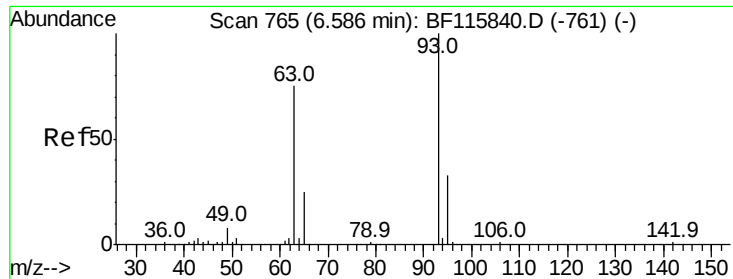
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 424840 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 37.6  | 16.8  | 56.8   |
| 66       | 56.0  | 34.2  | 74.2   |





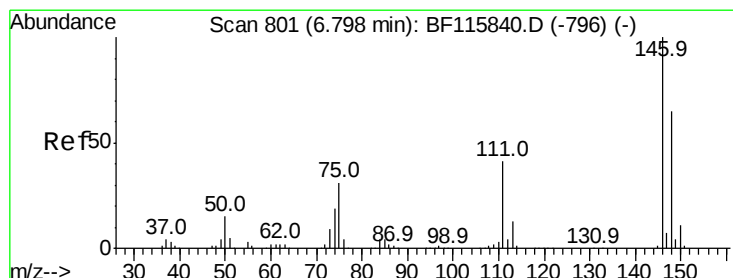
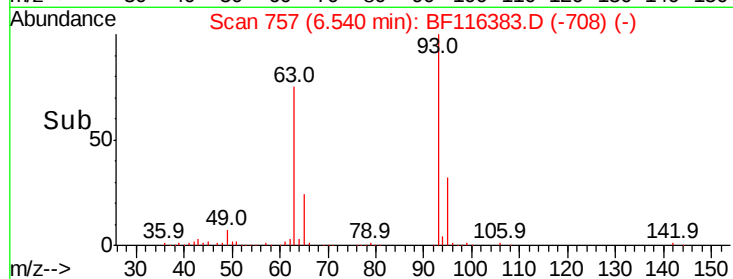
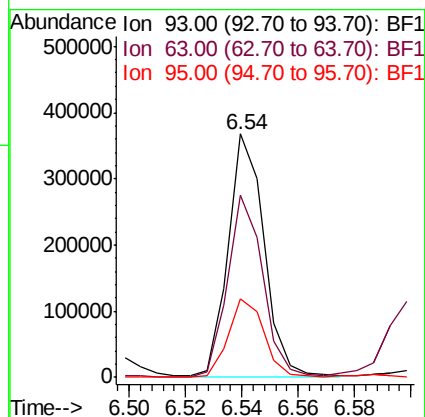
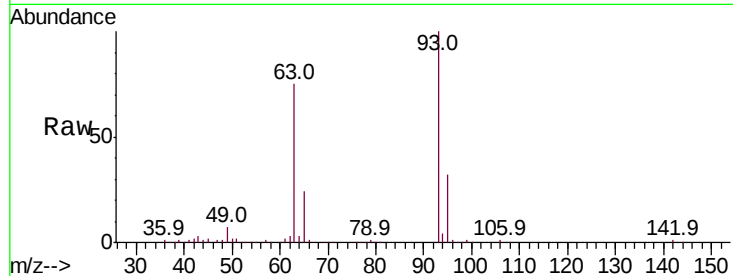
#11  
bis(2-Chloroethyl)ether  
Concen: 41.486 ng  
RT: 6.54 min Scan# 757  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 326628 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 74.7  | 51.9  | 91.9   |
| 95        | 32.4  | 13.0  | 53.0   |

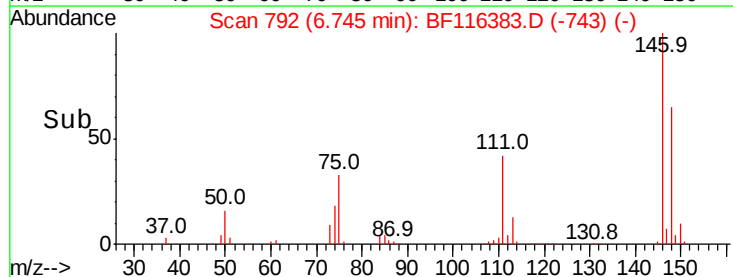
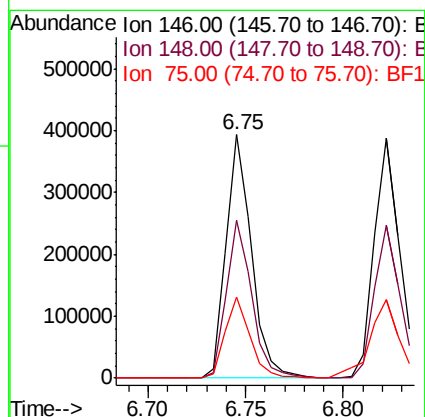
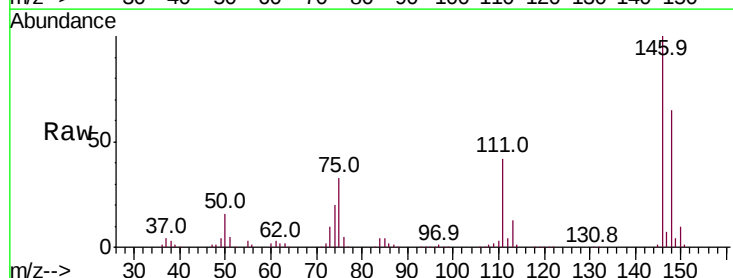
Manual Integrations  
APPROVED

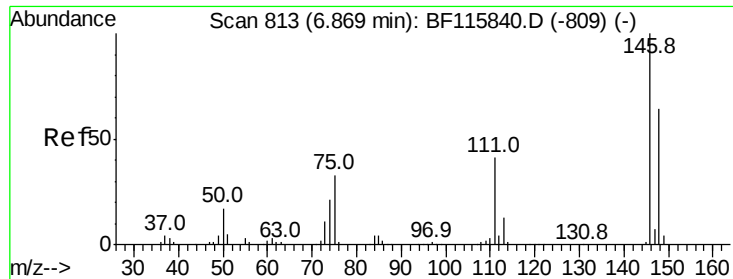
mohammad  
8/22/2019 12:45:10 PM



#12  
1,3-Dichlorobenzene  
Concen: 38.646 ng  
RT: 6.75 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 355973 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.6  | 51.3  | 76.9   |
| 75        | 33.2  | 27.4  | 41.2   |





#13

1,4-Dichlorobenzene

Concen: 39.885 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

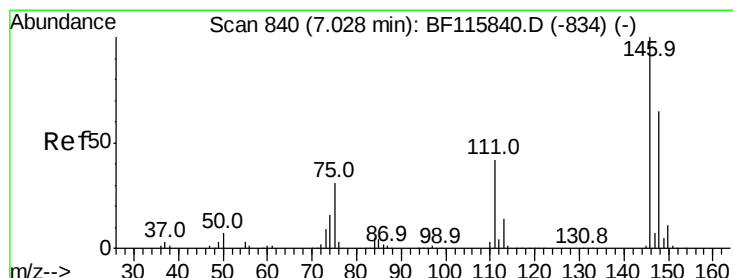
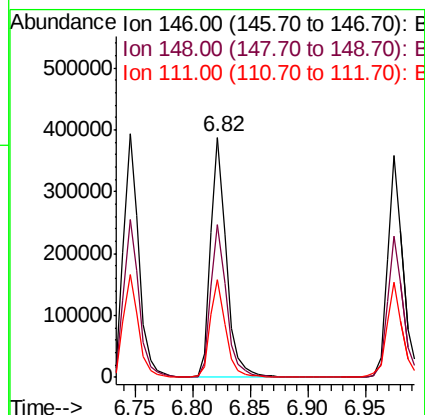
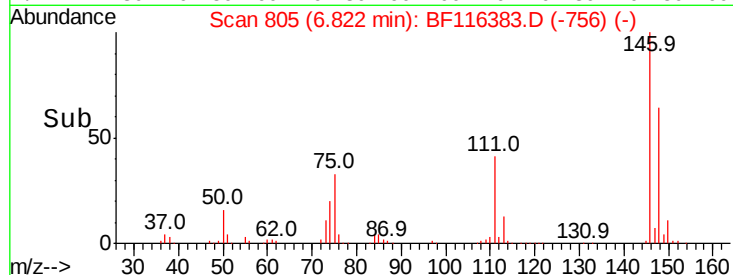
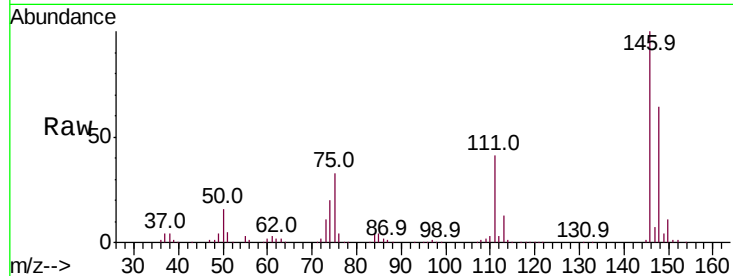
ClientSampled :

PB122287BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 367851 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 51.3  | 76.9   |
| 111       | 40.6  | 34.0  | 51.0   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#14

1,2-Dichlorobenzene

Concen: 40.063 ng

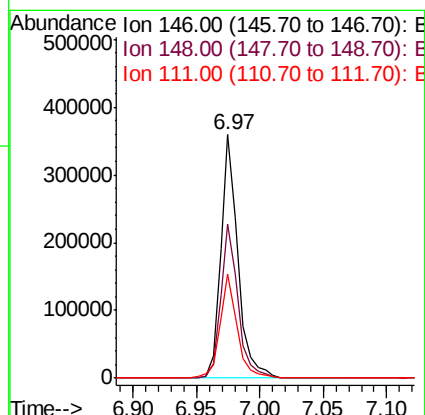
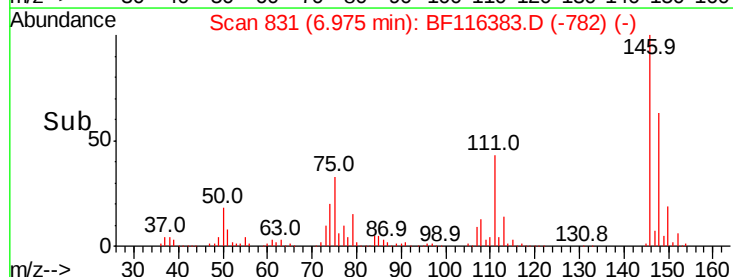
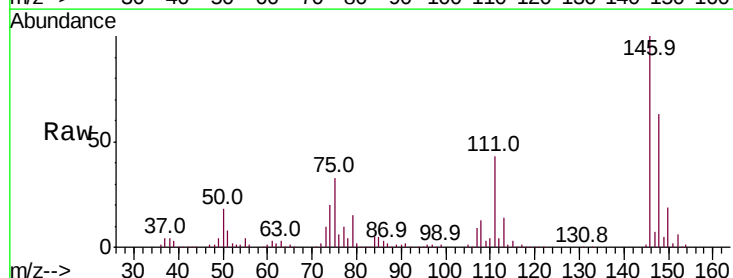
RT: 6.97 min Scan# 831

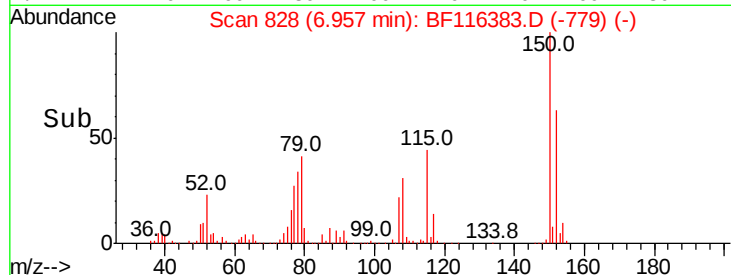
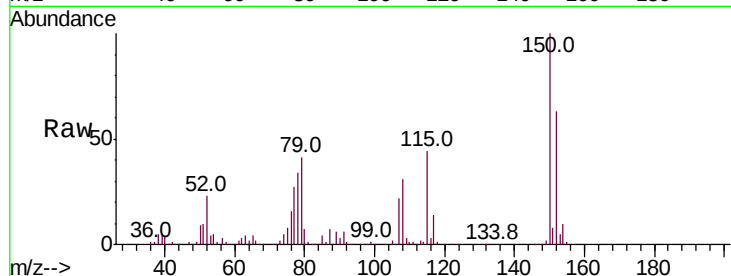
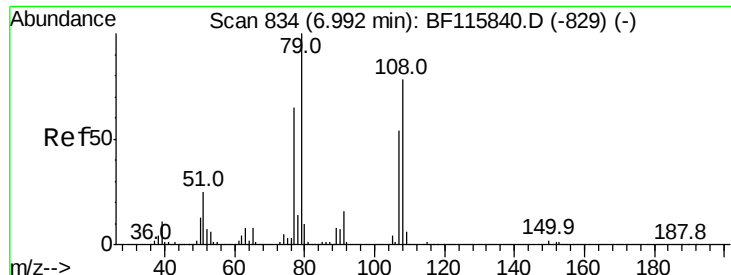
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 340229 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.3  | 51.2  | 76.8   |
| 111       | 42.8  | 33.5  | 50.3   |





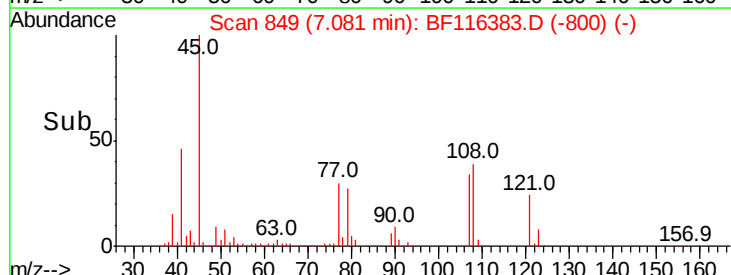
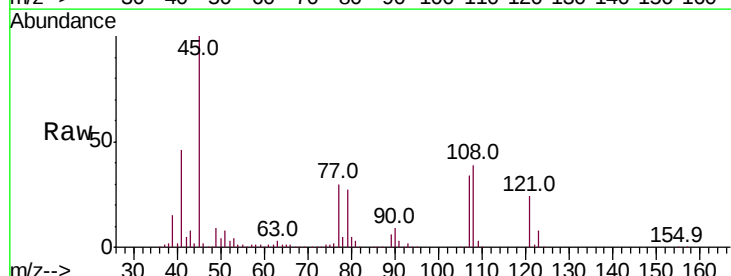
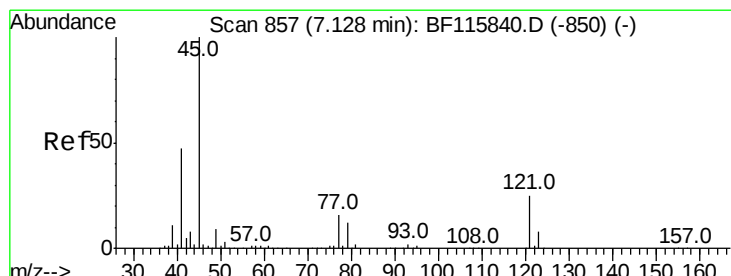
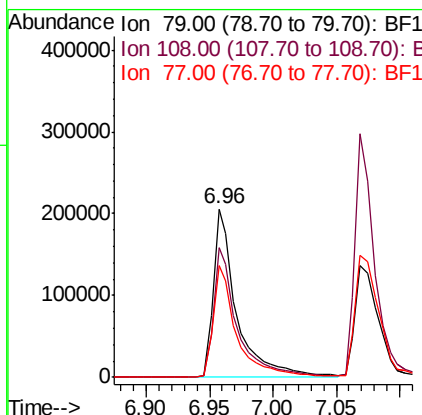
#15  
Benzyl Alcohol  
Concen: 38.958 ng  
RT: 6.96 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tot Ion | 79  | 108  | 77   |
|---------|-----|------|------|
| Ratio   | 100 | 77.0 | 66.7 |
| Lower   |     | 62.7 | 52.2 |
| Upper   |     | 94.1 | 78.2 |

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

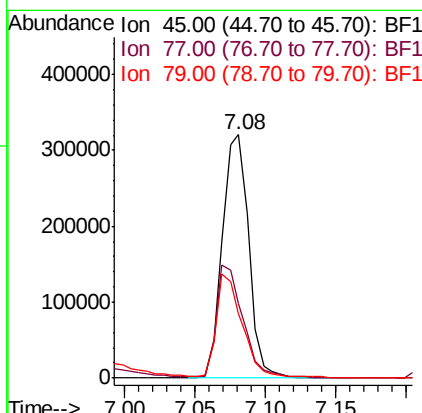
Manual Integrations  
APPROVED

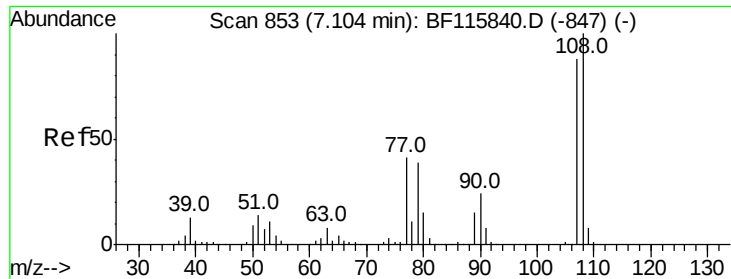
mohammad  
8/22/2019 12:45:10 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.647 ng  
RT: 7.08 min Scan# 849  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | 45  | 77   | 79   |
|---------|-----|------|------|
| Ratio   | 100 | 30.5 | 26.7 |
| Lower   |     | 0.0  | 0.0  |
| Upper   |     | 40.0 | 35.9 |





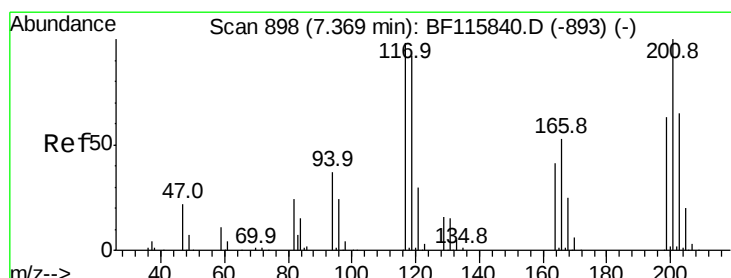
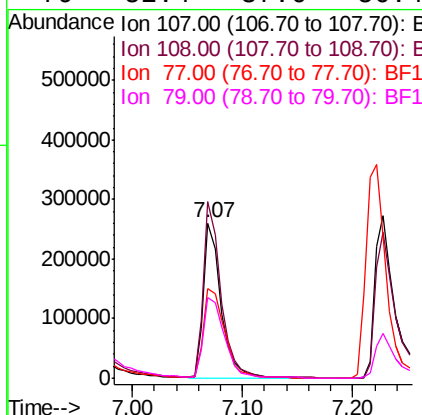
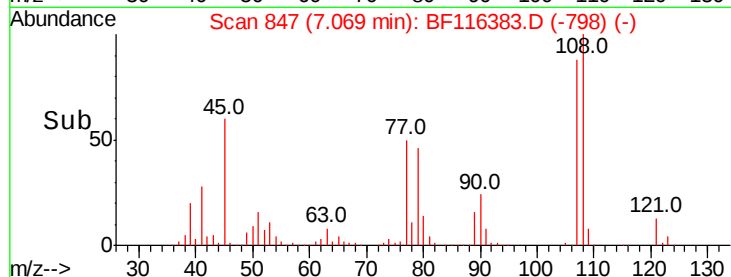
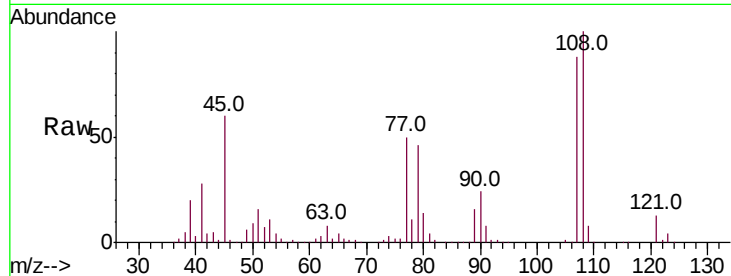
#17  
2-Methylphenol  
Concen: 41.350 ng  
RT: 7.07 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleID :  
PB122287BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 114.3 | 91.2 | 136.8 |       |
| 77      | 57.4  | 40.3 | 60.5  |       |
| 79      | 52.4  | 37.6 | 56.4  |       |

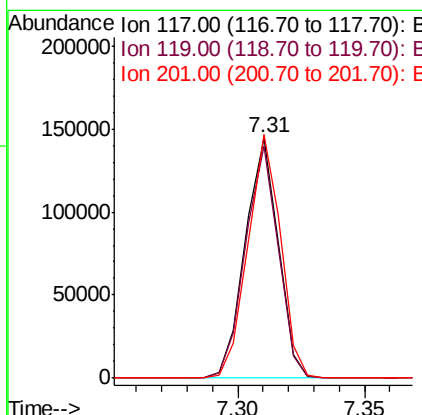
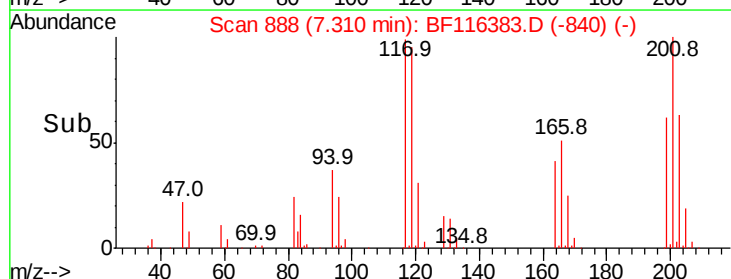
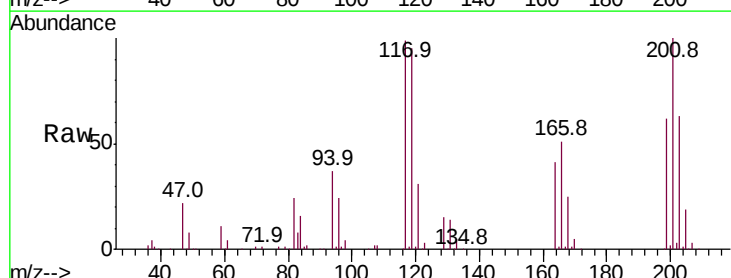
Manual Integrations  
APPROVED

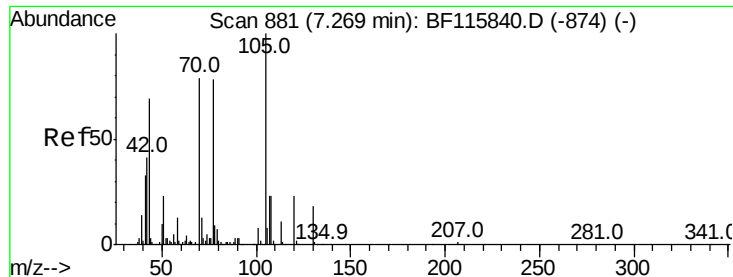
mohammad  
8/22/2019 12:45:10 PM



#18  
Hexachloroethane  
Concen: 38.765 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.8  | 76.1 | 114.1 |       |
| 201     | 101.4 | 77.0 | 115.4 |       |





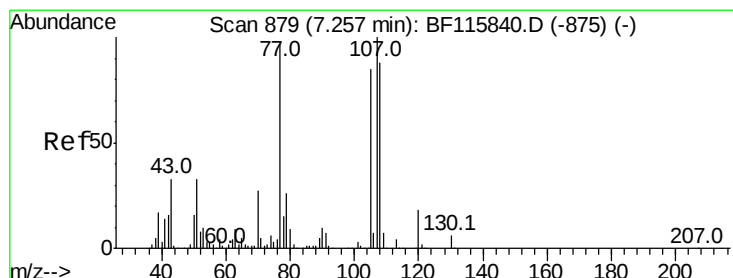
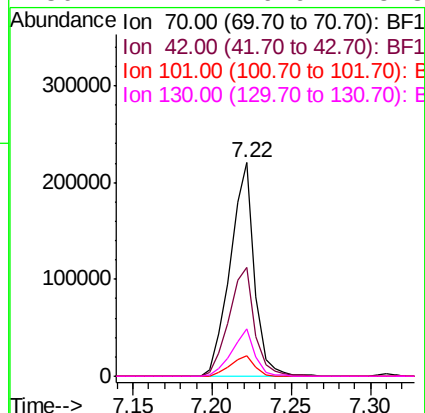
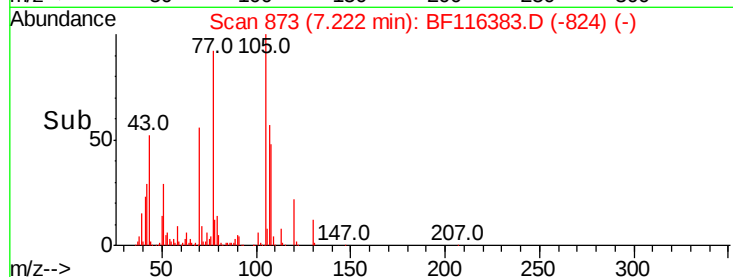
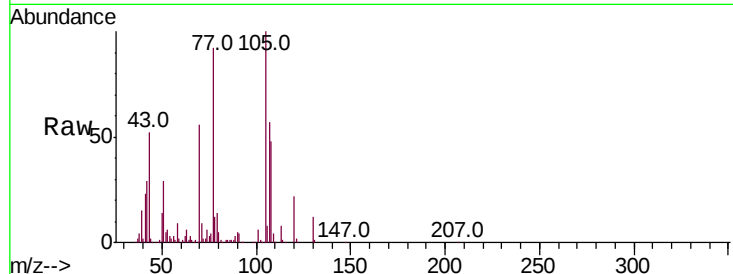
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.573 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 234271 |       |       |
| 42      | 51.2 | 40.9  | 61.3   |       |       |
| 101     | 9.8  | 7.9   | 11.9   |       |       |
| 130     | 22.1 | 16.9  | 25.3   |       |       |

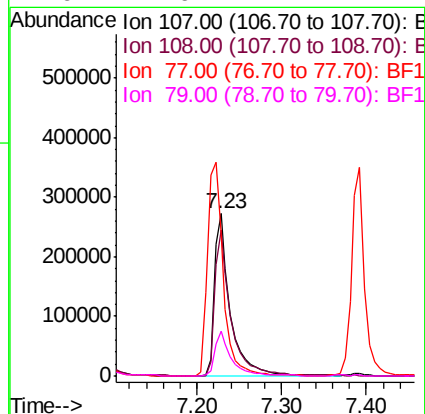
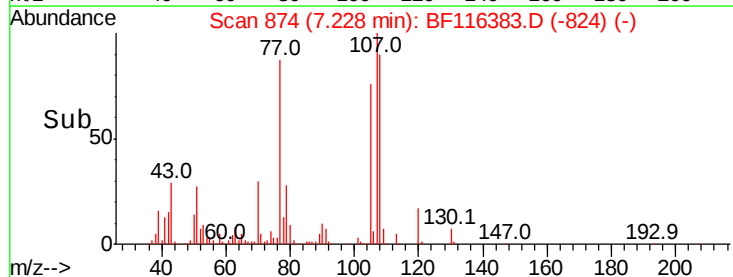
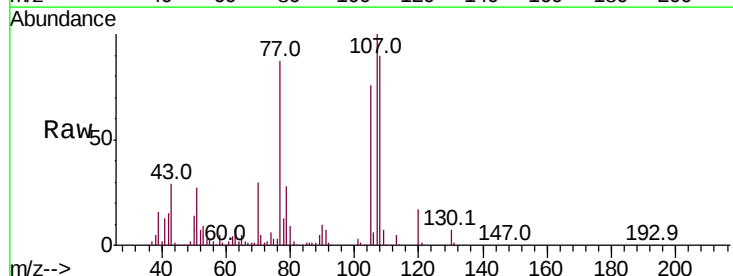
Manual Integrations  
APPROVED

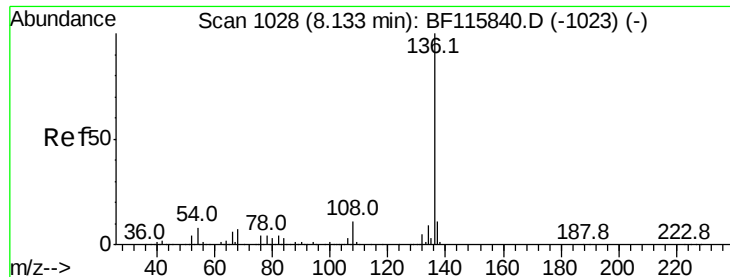
mohammad  
8/22/2019 12:45:10 PM



#20  
3+4-Methylphenols  
Concen: 44.935 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 358869 |       |       |
| 108     | 90.0 | 67.6  | 107.6  |       |       |
| 77      | 87.4 | 104.4 | 144.4# |       |       |
| 79      | 27.6 | 7.4   | 47.4   |       |       |





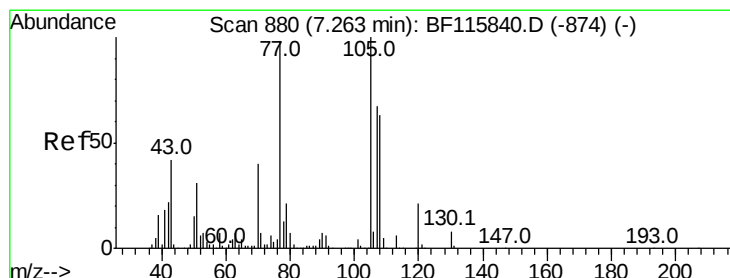
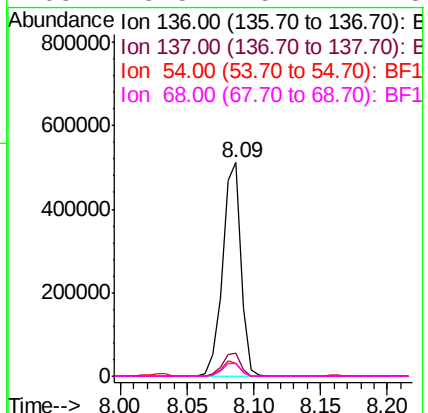
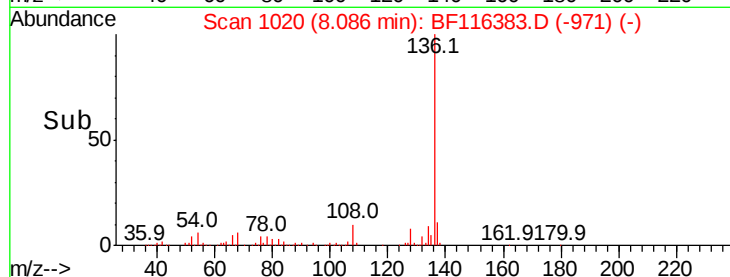
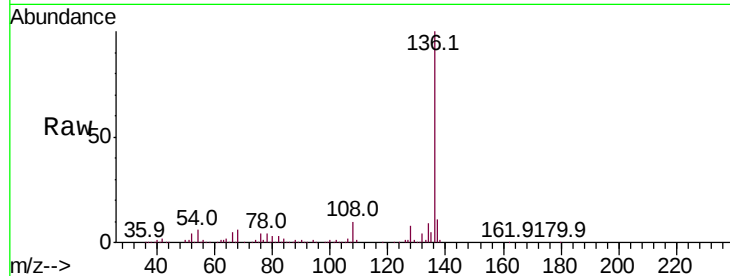
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 497539 |       |       |
| 137     | 10.8  |        | 9.0   | 13.4  |
| 54      | 6.3   |        | 5.8   | 8.6   |
| 68      | 5.8   |        | 5.2   | 7.8   |

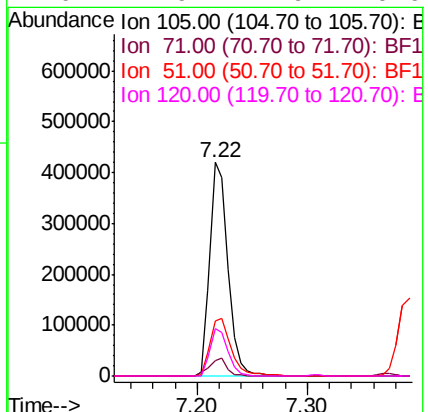
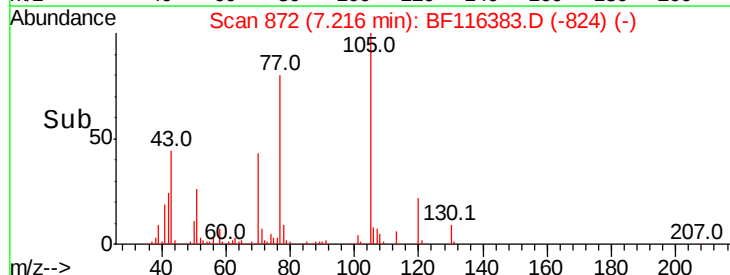
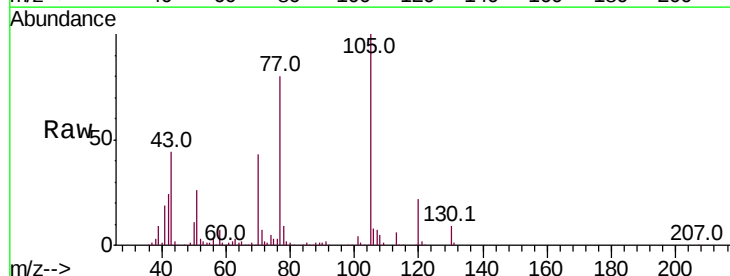
Manual Integrations  
APPROVED

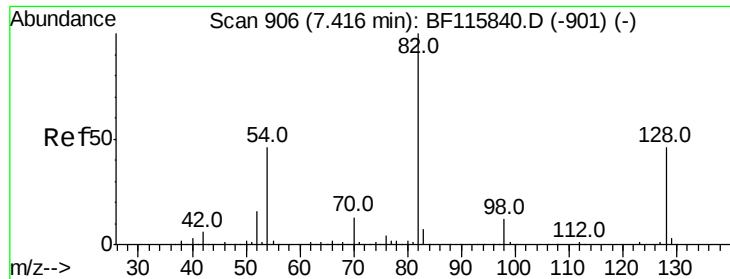
mohammad  
8/22/2019 12:45:10 PM



#22  
Acetophenone  
Concen: 42.803 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 467052 |       |       |
| 71      | 7.5   |        | 5.9   | 8.9   |
| 51      | 25.6  |        | 25.3  | 37.9  |
| 120     | 21.9  |        | 17.9  | 26.9  |





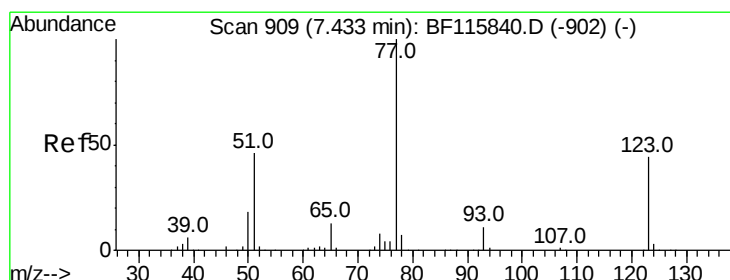
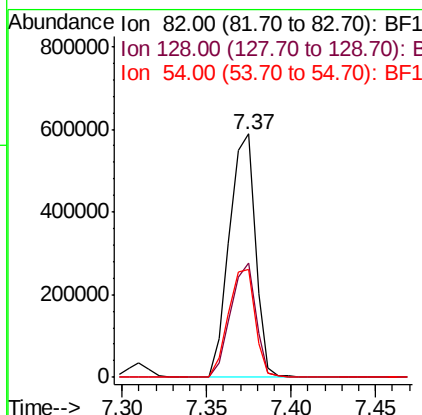
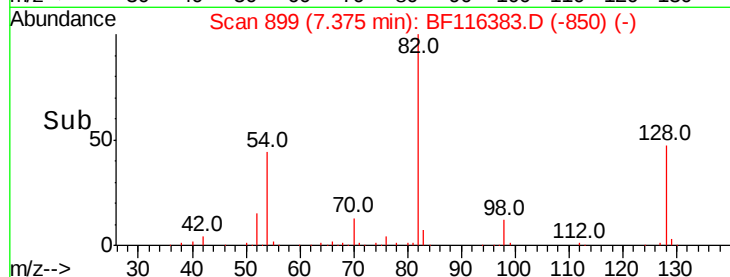
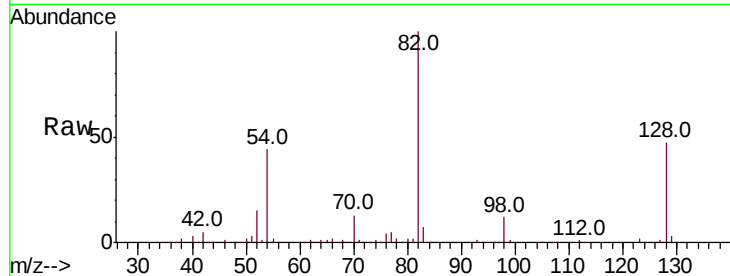
#23  
Nitrobenzene-d5  
Concen: 73.618 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.0  | 36.5  | 54.7  |
| 54      | 44.3  | 36.0  | 54.0  |

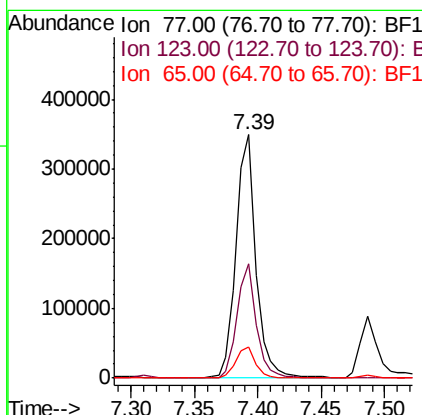
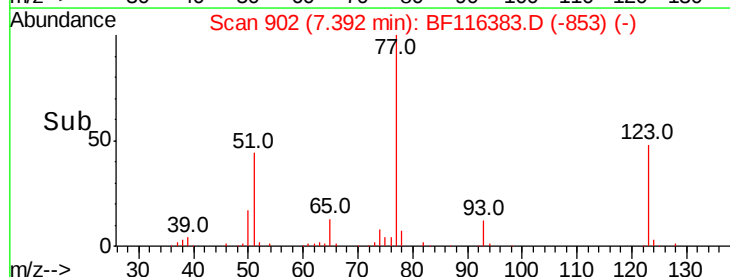
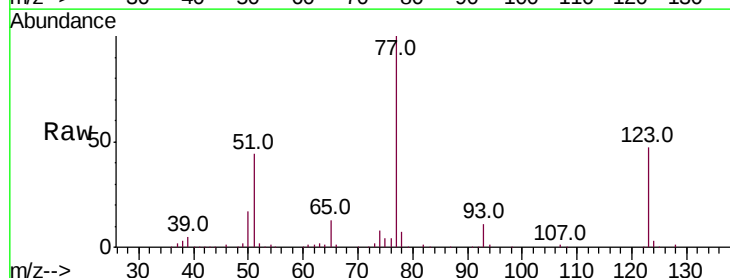
Manual Integrations  
APPROVED

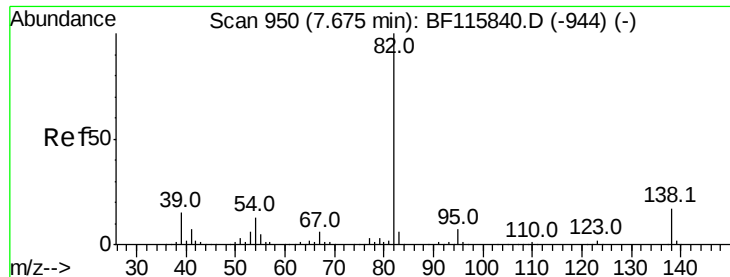
mohammad  
8/22/2019 12:45:10 PM



#24  
Nitrobenzene  
Concen: 40.344 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 46.9  | 36.7  | 55.1  |
| 65      | 12.8  | 10.6  | 16.0  |





#25

Isophorone

Concen: 40.558 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

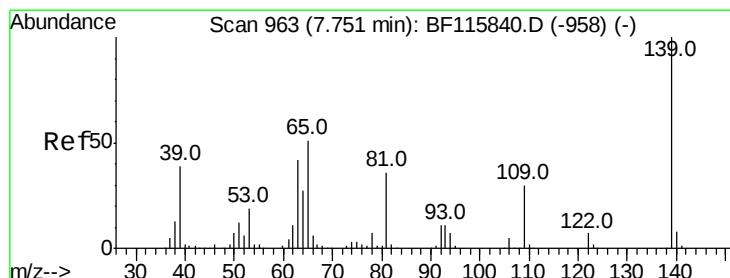
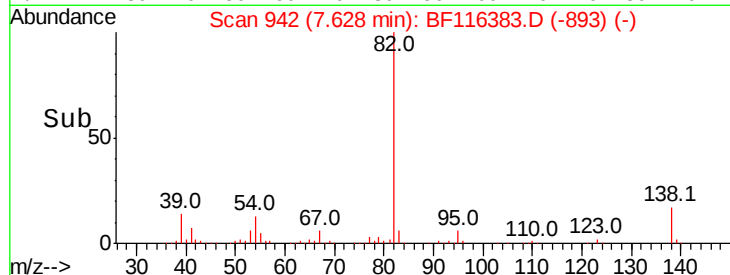
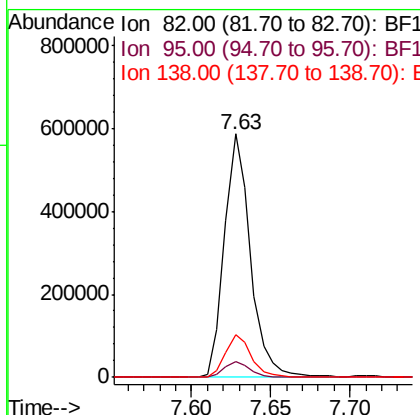
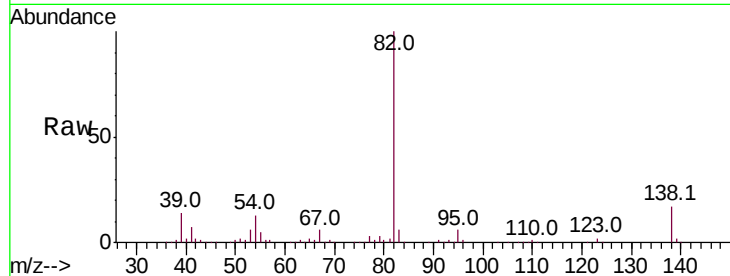
ClientSampleId :

PB122287BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 668462 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.4   | 5.4   | 8.0    |
| 138       | 17.3  | 14.5  | 21.7   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#26

2-Nitrophenol

Concen: 41.749 ng

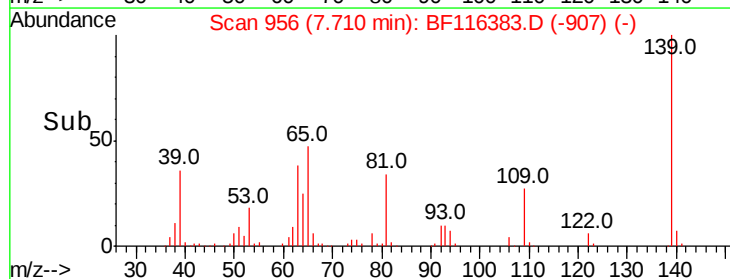
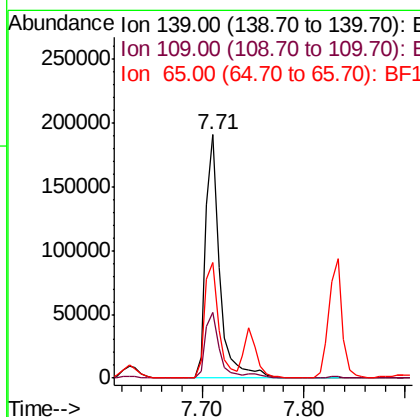
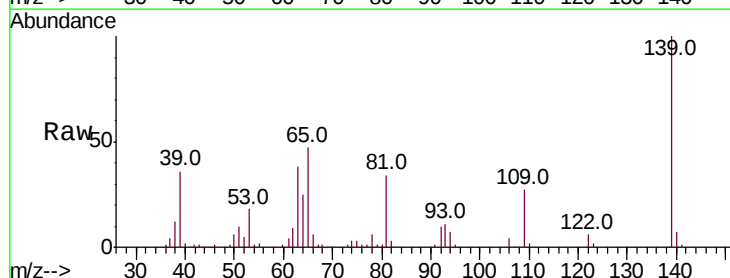
RT: 7.71 min Scan# 956

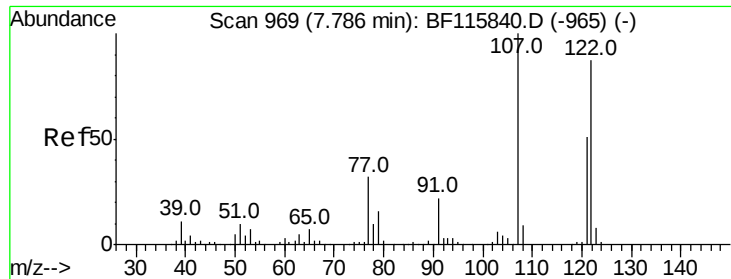
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 183156 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 26.9  | 23.4  | 35.2   |
| 65        | 47.4  | 41.1  | 61.7   |





#27

2,4-Dimethylphenol

Concen: 45.369 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

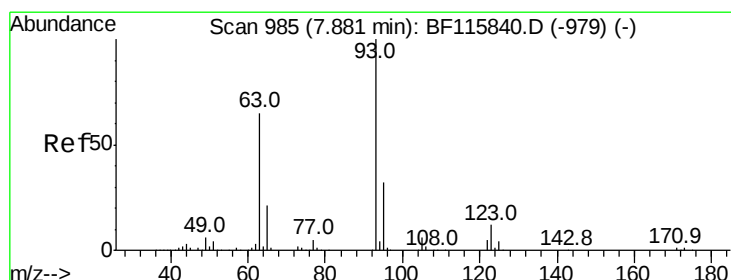
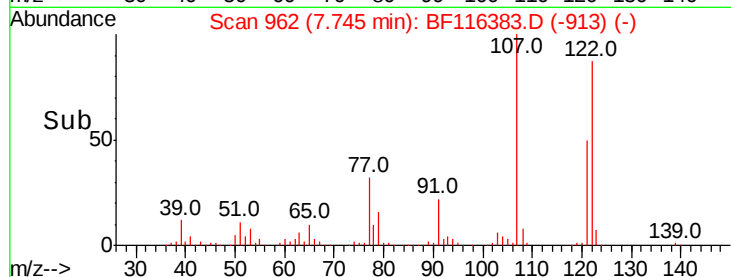
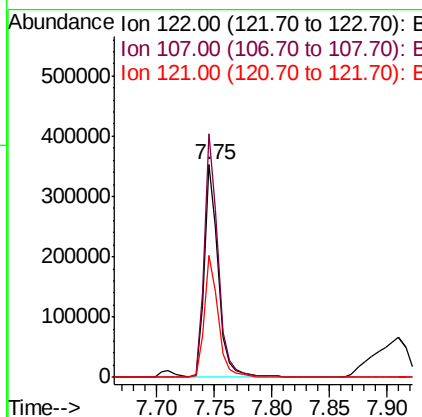
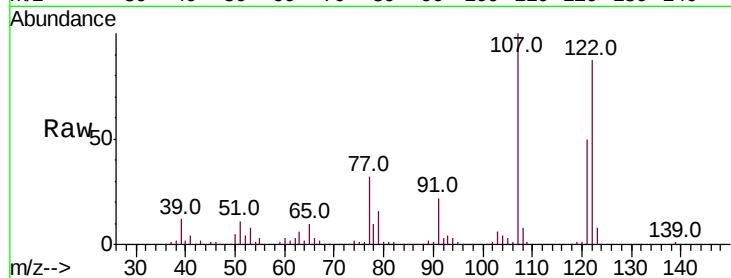
ClientSampleID :

PB122287BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 122   | Resp: | 299450 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 114.6 | 93.0  | 139.6  |
| 121      | 57.7  | 47.6  | 71.4   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#28

bis(2-Chloroethoxy)methane

Concen: 40.195 ng

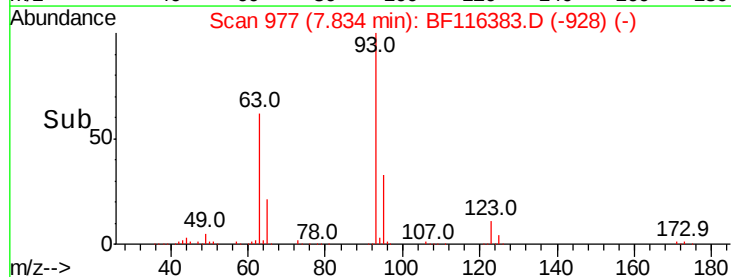
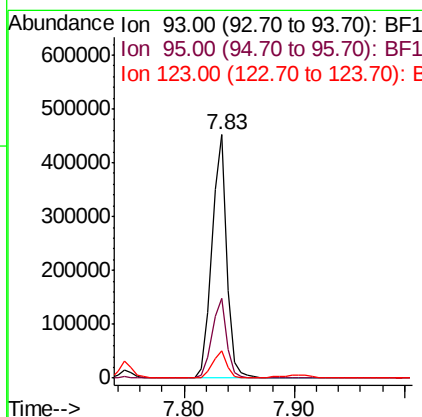
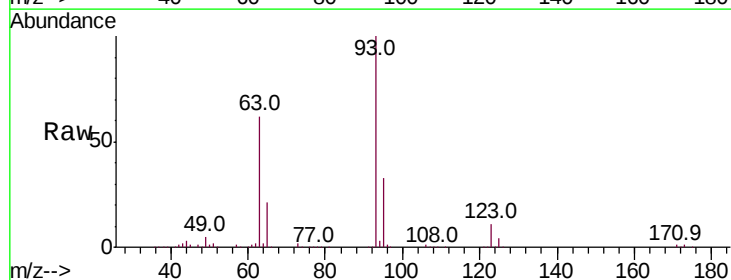
RT: 7.83 min Scan# 977

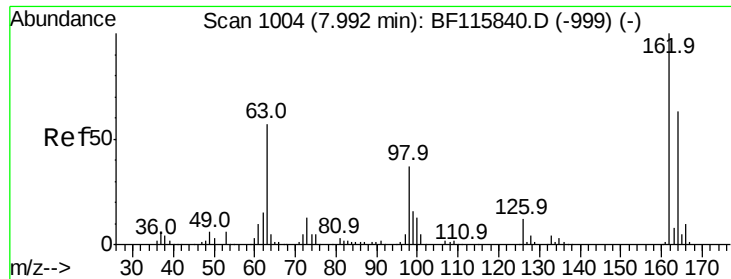
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 410613 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.8  | 26.2  | 39.4   |
| 123      | 11.4  | 9.2   | 13.8   |





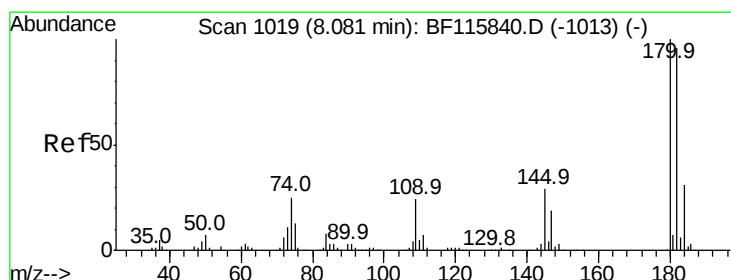
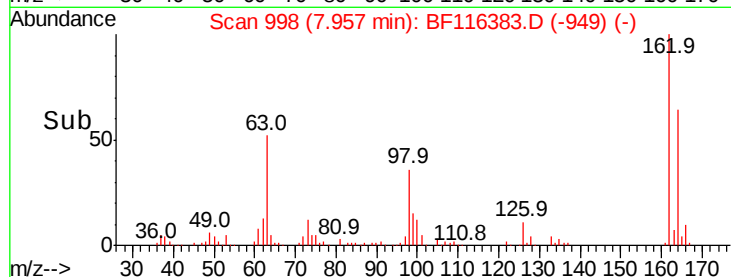
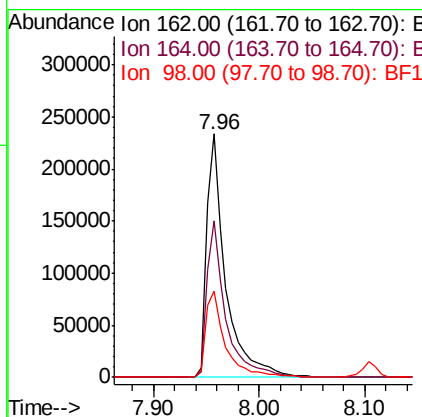
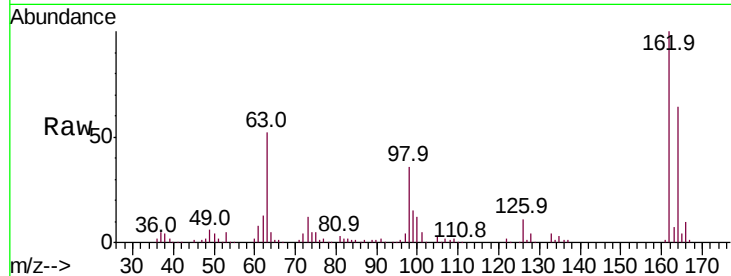
#29  
 2,4-Dichlorophenol  
 Concen: 41.522 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.4  | 45.1       | 85.1  |
| 98      | 35.6  | 15.8       | 55.8  |

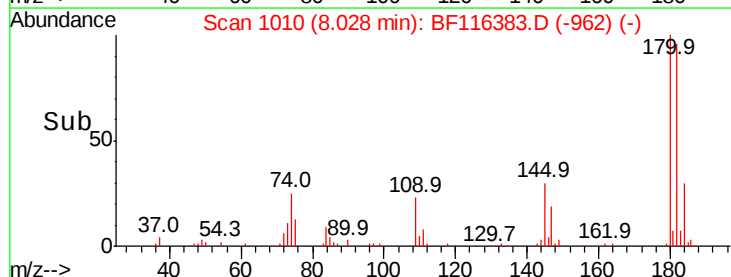
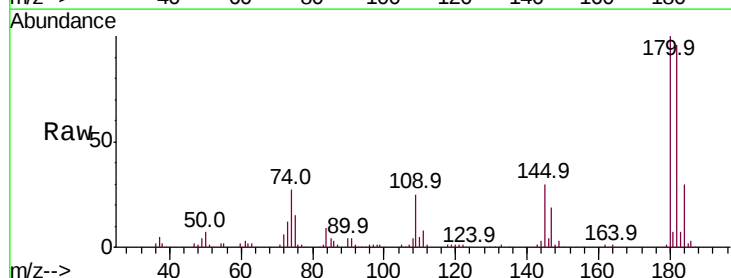
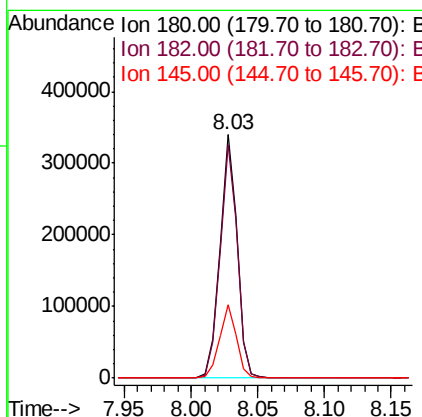
Manual Integrations  
 APPROVED

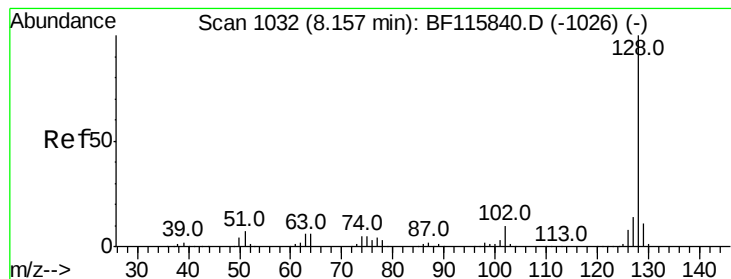
mohammad  
 8/22/2019 12:45:10 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.032 ng  
 RT: 8.03 min Scan# 1010  
 Delta R.T. -0.02 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 95.8  | 75.7       | 113.5 |
| 145     | 30.0  | 24.3       | 36.5  |





#31

Naphthalene

Concen: 41.697 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

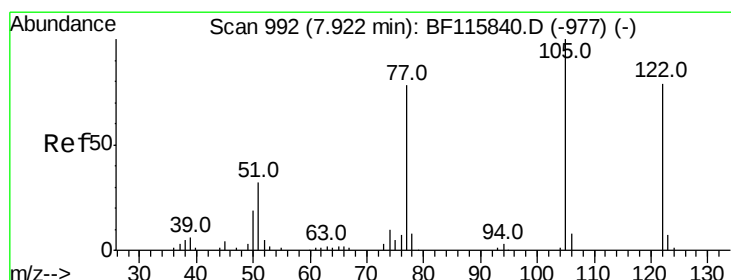
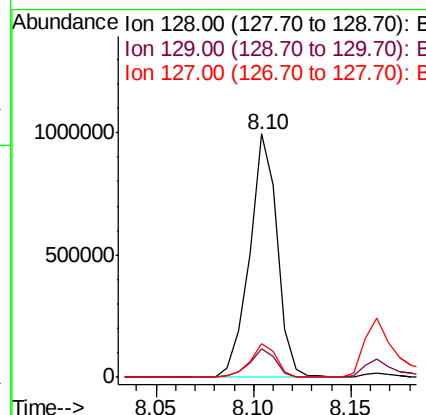
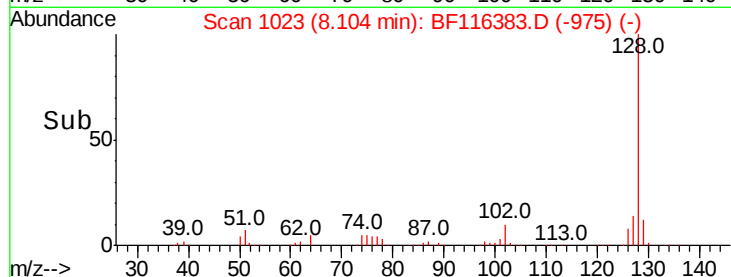
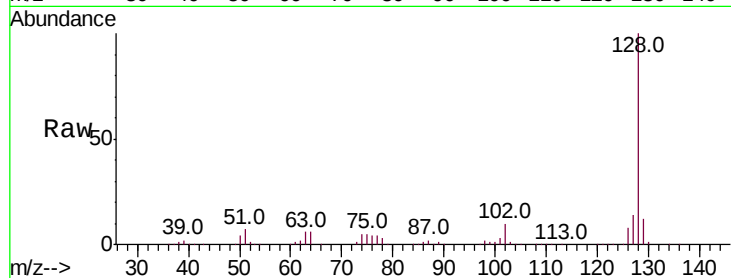
ClientSampled :

PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 9.3   | 13.9  |
| 127     | 13.8  | 11.4  | 17.0  |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#32

Benzoic acid

Concen: 32.917 ng

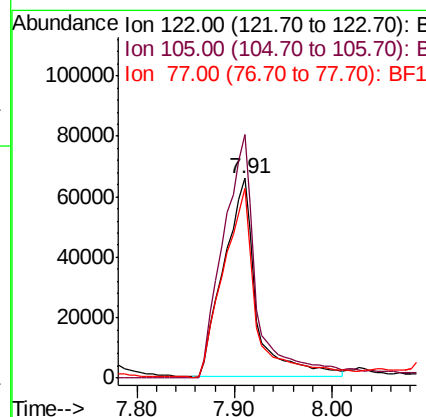
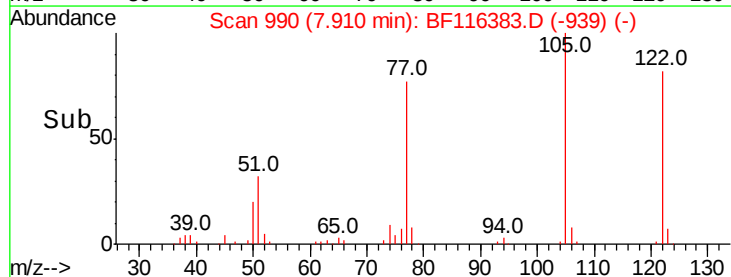
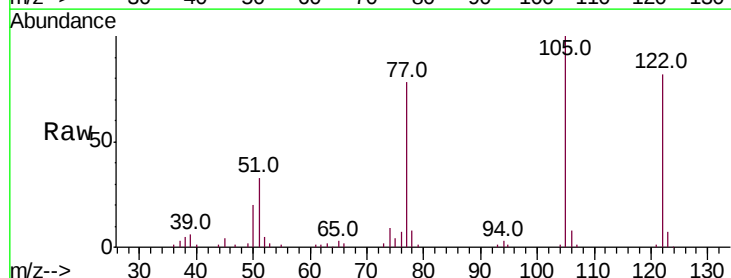
RT: 7.91 min Scan# 990

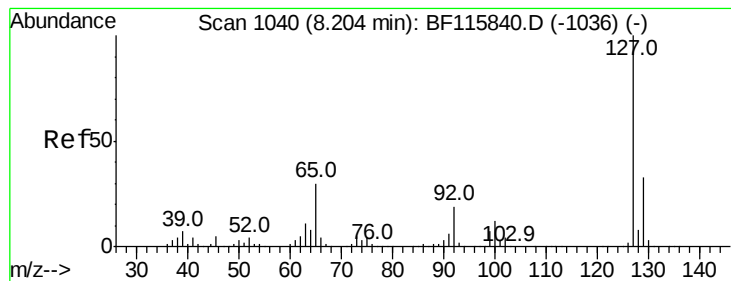
Delta R.T. 0.00 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 122.0 | 106.1 | 146.1 |
| 77      | 95.1  | 76.7  | 116.7 |





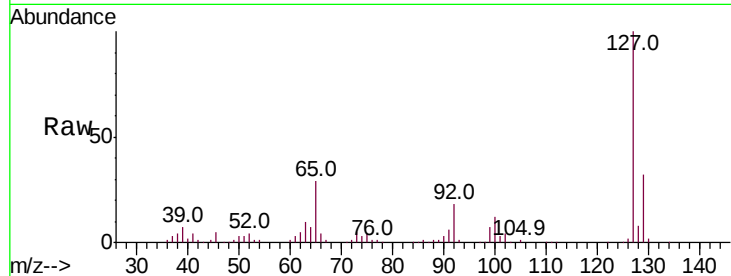
#33  
 4-Chloroaniline  
 Concen: 27.806 ng  
 RT: 8.16 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

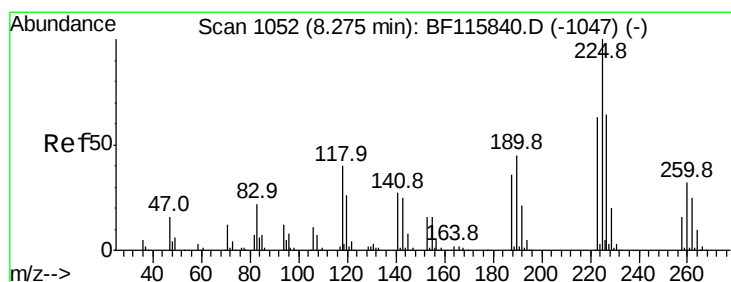
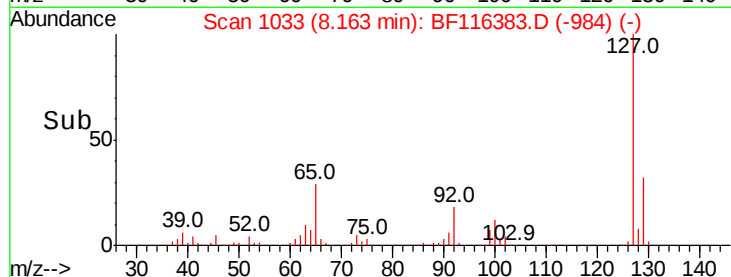
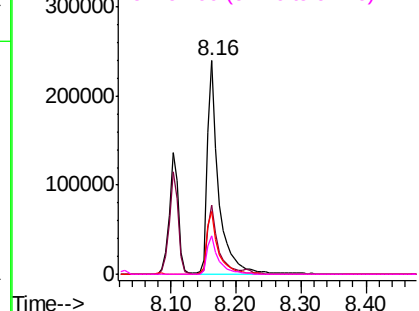
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.3 | 26.1  | 39.1 |       |       |
| 65      | 29.4 | 24.9  | 37.3 |       |       |
| 92      | 18.1 | 15.7  | 23.5 |       |       |

Manual Integrations  
 APPROVED

mohammad  
 8/22/2019 12:45:10 PM

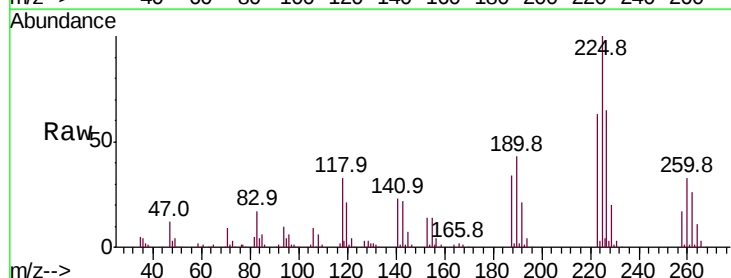


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

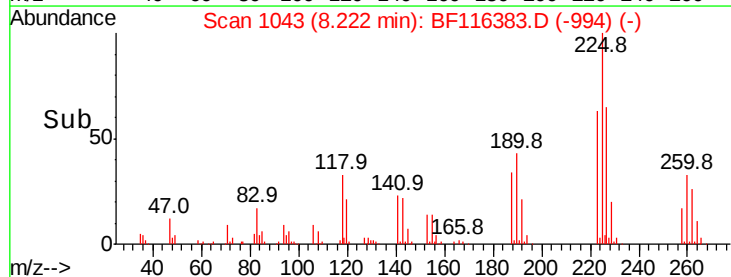
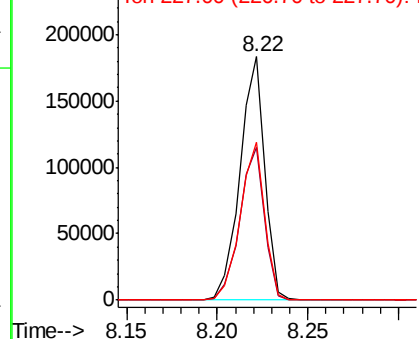


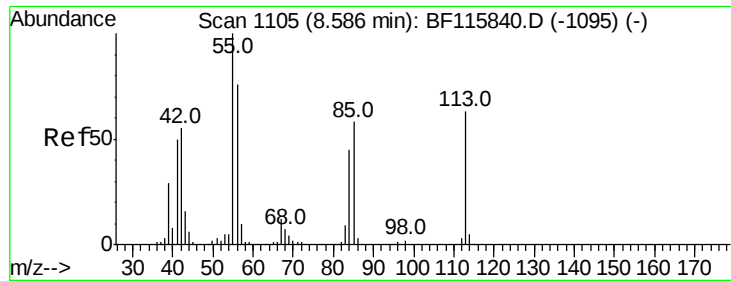
#34  
 Hexachlorobutadiene  
 Concen: 37.917 ng  
 RT: 8.22 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.8 | 50.0  | 75.0 |       |       |
| 227     | 64.7 | 51.0  | 76.4 |       |       |



Abundance Ion 225.00 (224.70 to 225.70): E  
 Ion 223.00 (222.70 to 223.70): E  
 Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 38.790 ng/mL

RT: 8.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

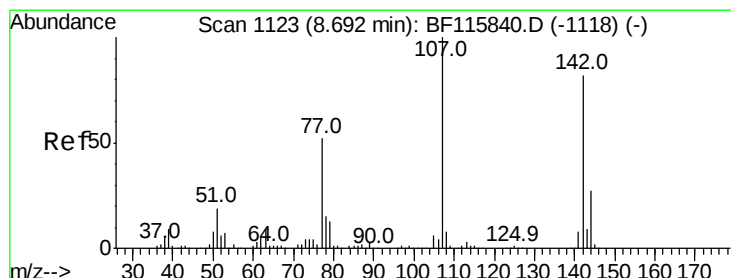
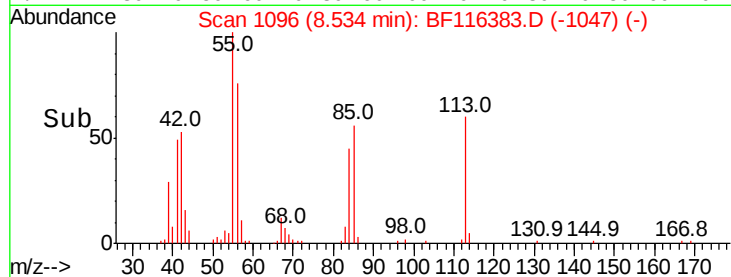
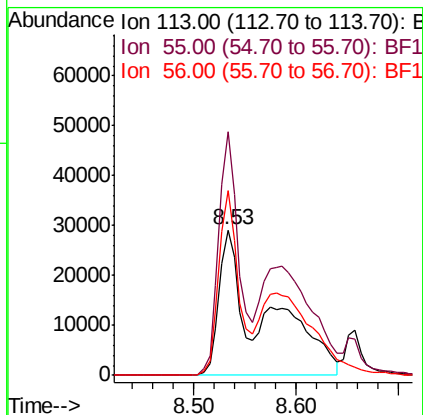
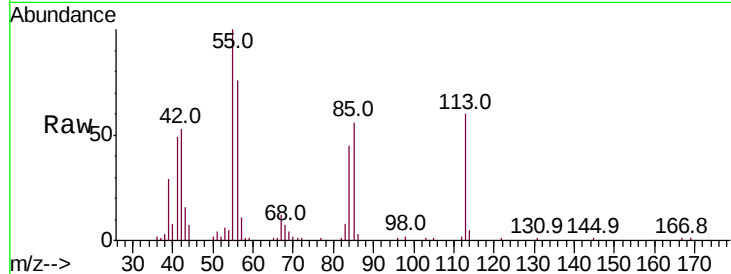
ClientSampleID :

PB122287BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 87433 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 167.1 | 144.3 | 184.3 |
| 56       | 126.9 | 97.1  | 137.1 |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#36

4-Chloro-3-methylphenol

Concen: 41.088 ng/mL

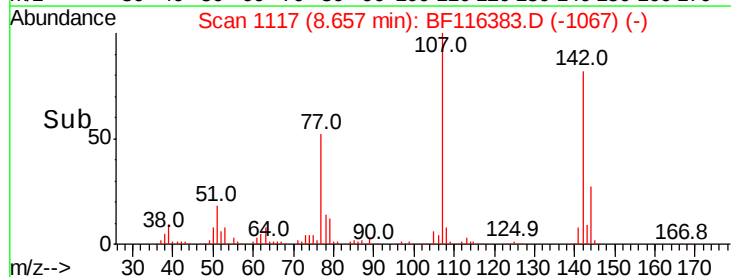
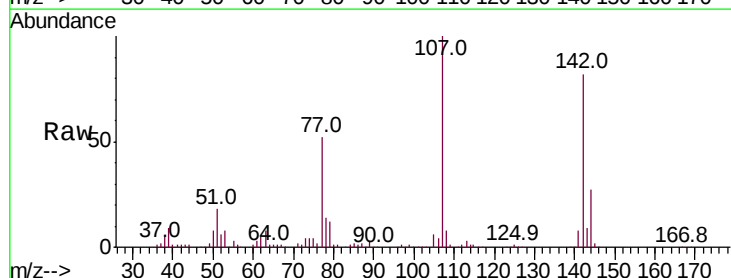
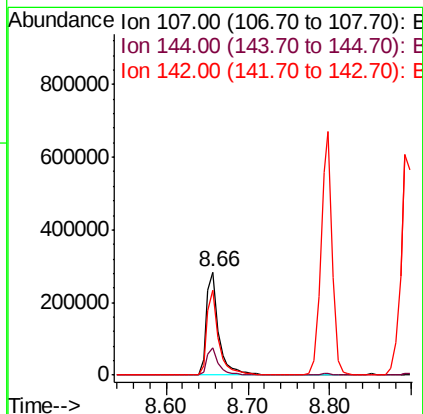
RT: 8.66 min Scan# 1117

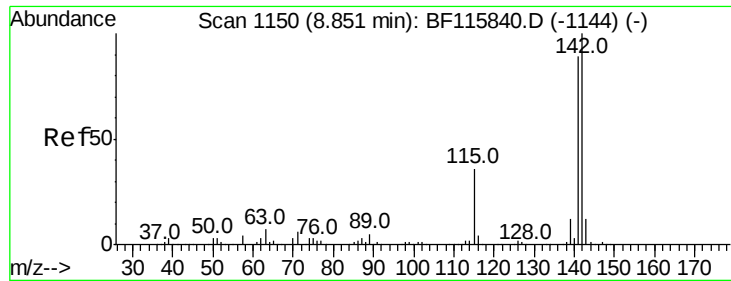
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 297889 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 26.8  | 20.2  | 30.2   |
| 142      | 82.3  | 61.7  | 92.5   |





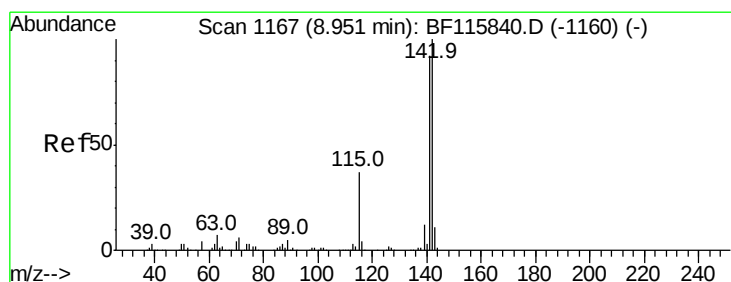
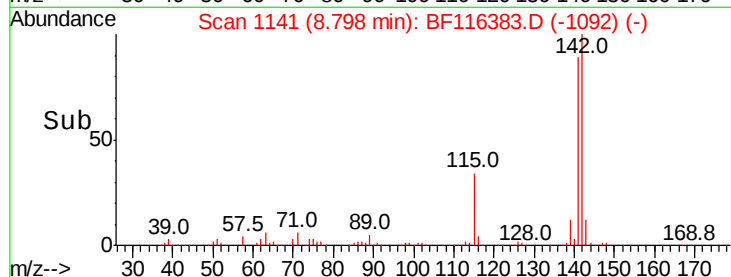
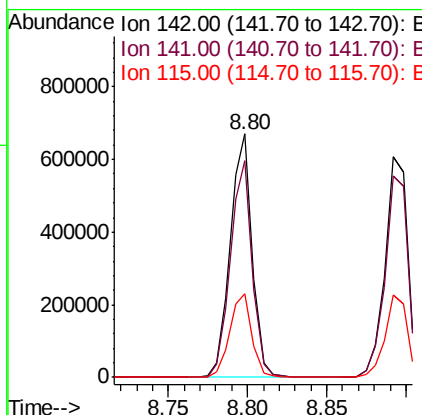
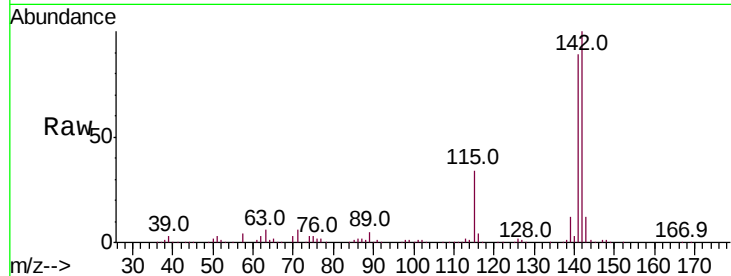
#37  
2-Methylnaphthalene  
Concen: 41.459 ng  
RT: 8.80 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 639283 |       |       |
| 141     | 89.3  | 70.9   | 106.3 |       |
| 115     | 34.4  | 29.0   | 43.6  |       |

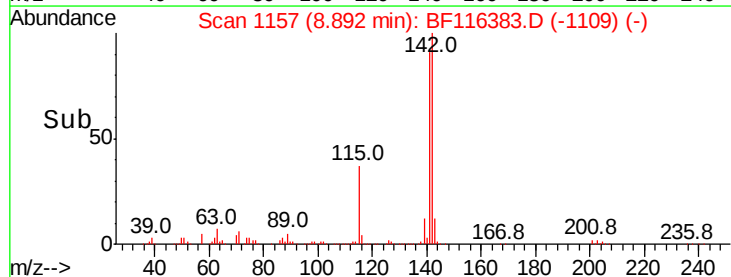
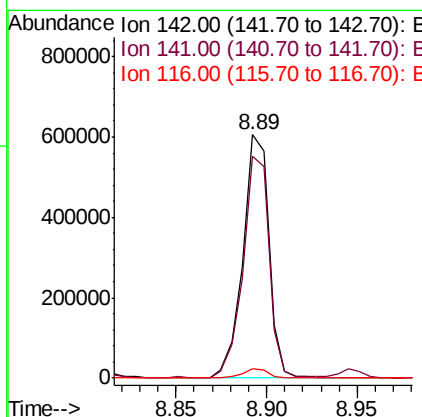
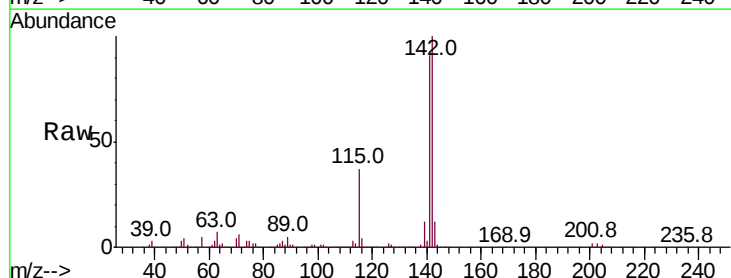
Manual Integrations  
APPROVED

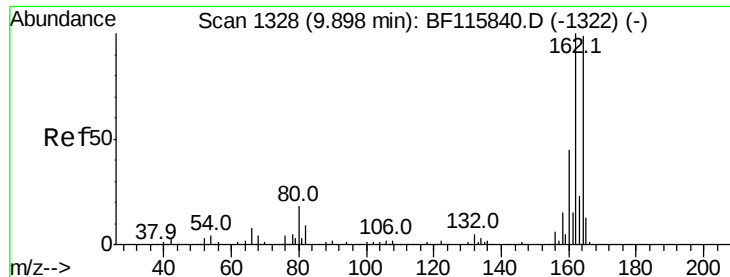
mohammad  
8/22/2019 12:45:10 PM



#38  
1-Methylnaphthalene  
Concen: 41.327 ng  
RT: 8.89 min Scan# 1157  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 602854 |       |       |
| 141     | 91.2  | 74.4   | 111.6 |       |
| 116     | 4.1   | 3.1    | 4.7   |       |





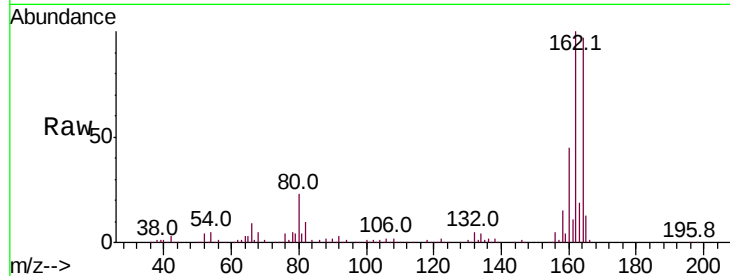
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.02 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

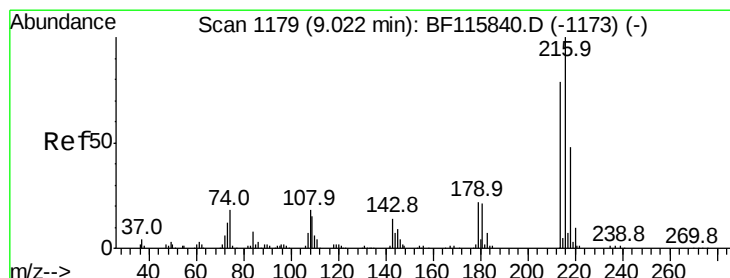
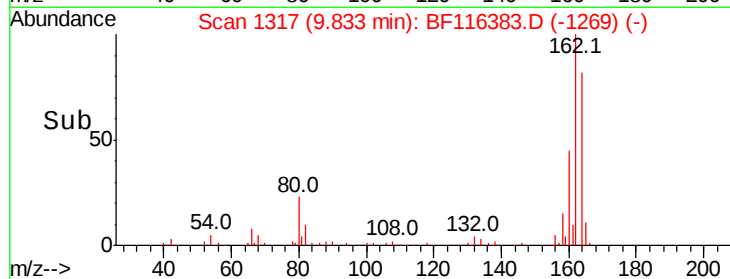
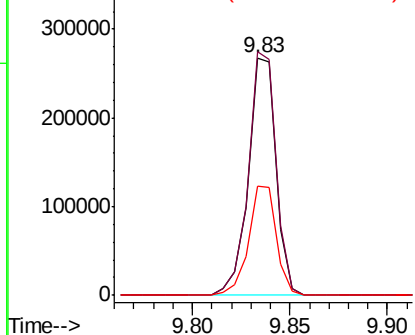
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 263678 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.6 | 82.6  | 124.0  |
| 160       | 46.1  | 37.6  | 56.4   |

Manual Integrations  
 APPROVED

mohammad  
 8/22/2019 12:45:10 PM



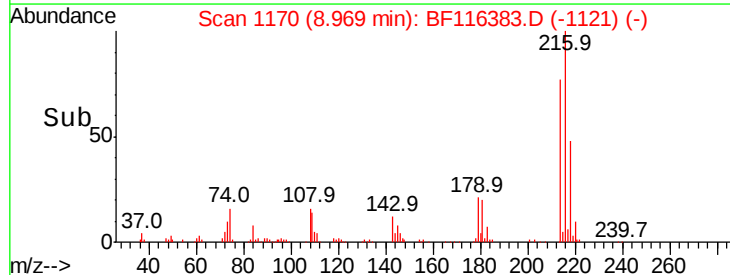
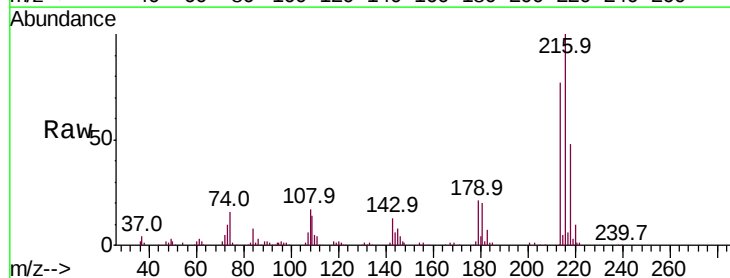
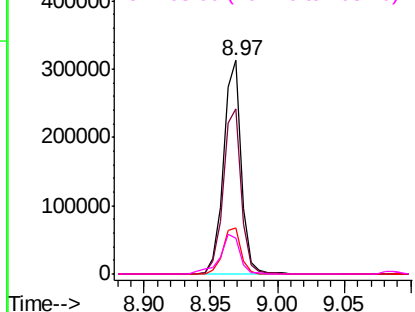
Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

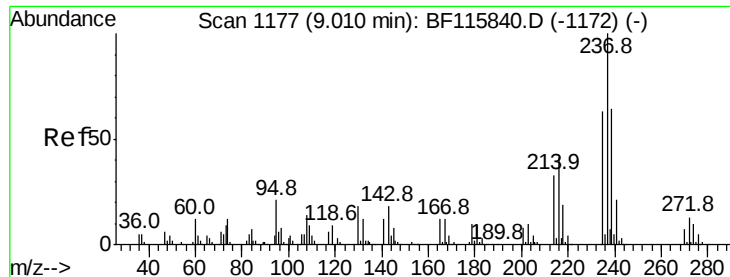


#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.996 ng  
 RT: 8.97 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 296036 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.3  | 63.6  | 95.4   |
| 179       | 22.3  | 17.8  | 26.8   |
| 108       | 20.8  | 16.5  | 24.7   |

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: 46.942 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

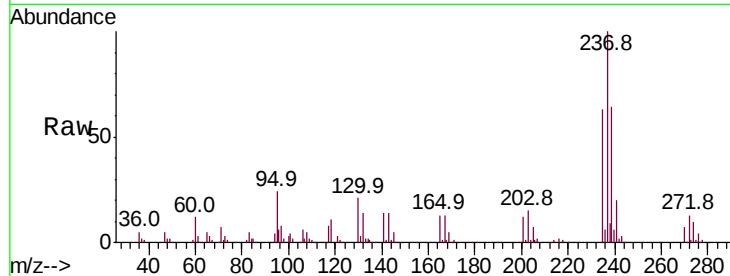
ClientSampleId :

PB122287BS

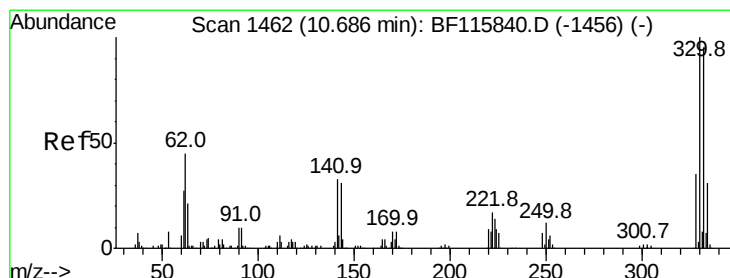
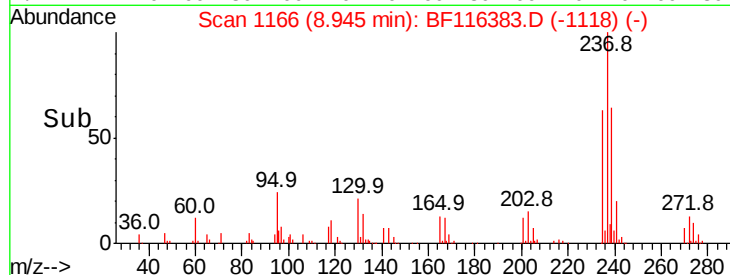
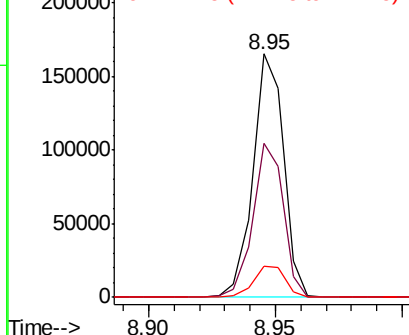
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 237  | Resp: | 140189 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 63.1 | 43.4  | 83.4   |
| 272       | 12.8 | 0.0   | 33.2   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 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: 102.772 ng

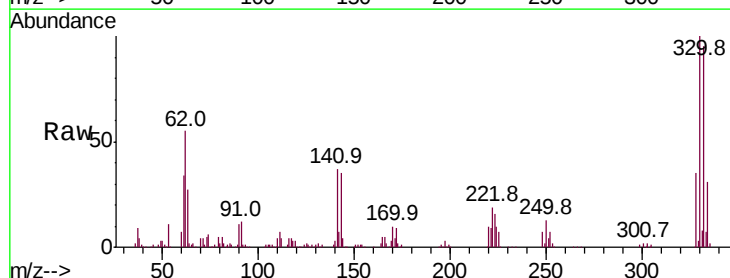
RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

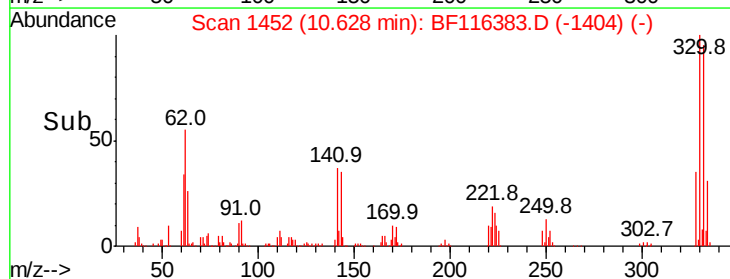
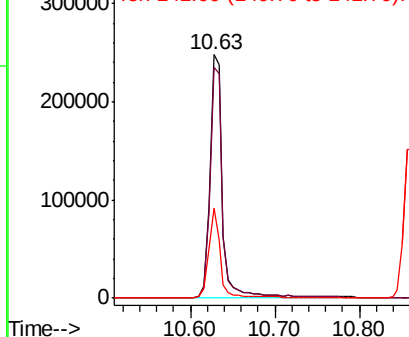
Lab File: BF116383.D

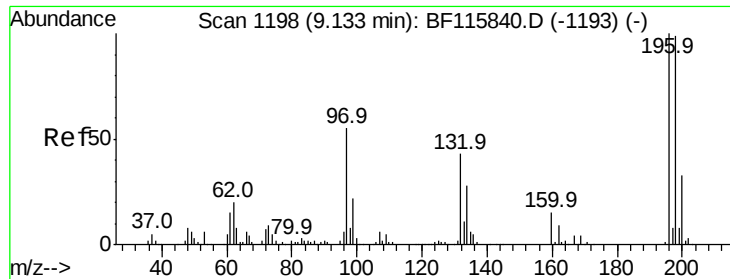
Acq: 19 Aug 2019 12:13

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 330  | Resp: | 262730 |
| Ion Ratio |      | Lower | Upper  |
| 330       | 100  |       |        |
| 332       | 94.4 | 76.8  | 115.2  |
| 141       | 32.8 | 26.3  | 39.5   |



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





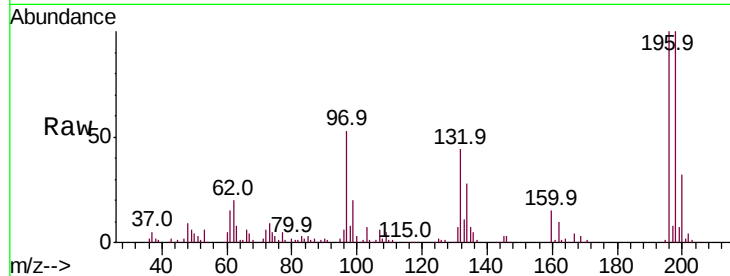
#43  
 2,4,6-Trichlorophenol  
 Concen: 35.410 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 171812 |       |       |
| 198     | 100.1 | 79.2   | 118.8 |       |
| 200     | 31.9  | 25.2   | 37.8  |       |

Manual Integrations  
 APPROVED

mohammad  
 8/22/2019 12:45:10 PM

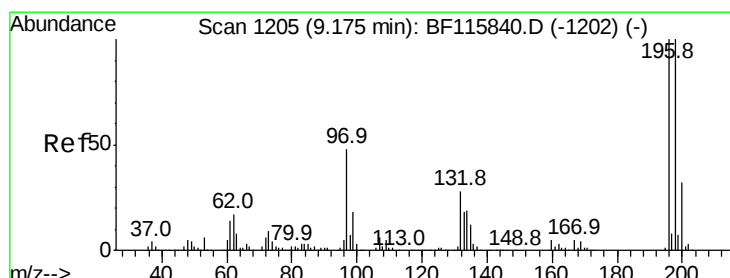
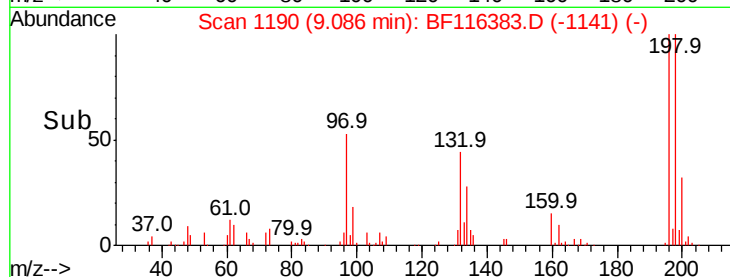
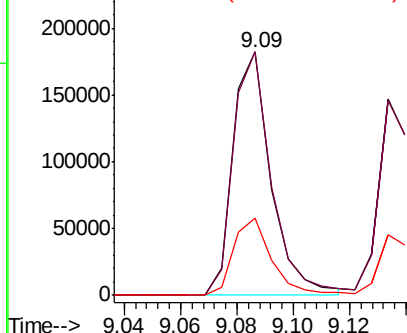


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 36.453 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 182833 |       |       |
| 198     | 98.8  | 78.8   | 118.2 |       |
| 97      | 53.3  | 42.2   | 63.4  |       |
| 132     | 30.6  | 24.0   | 36.0  |       |

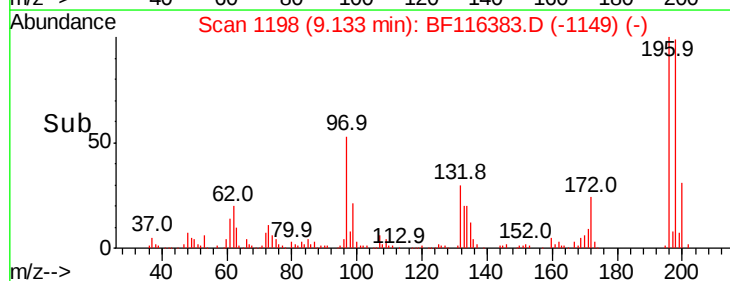
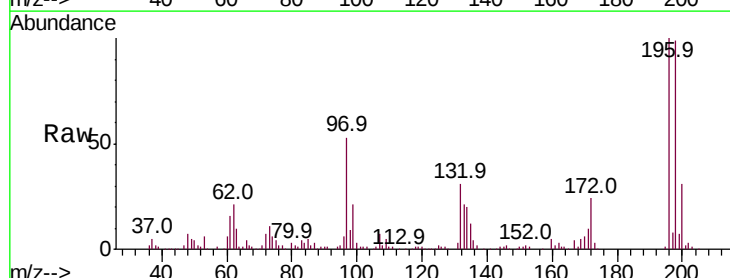
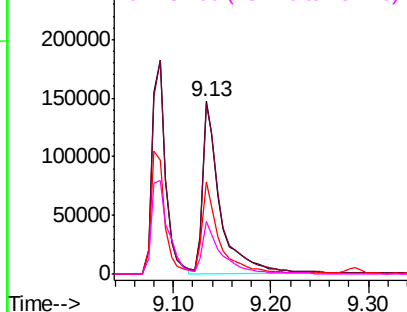
Abundance

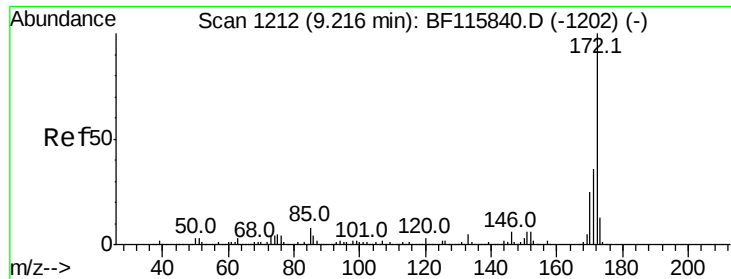
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





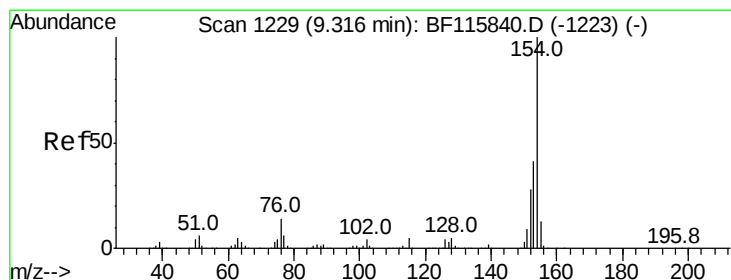
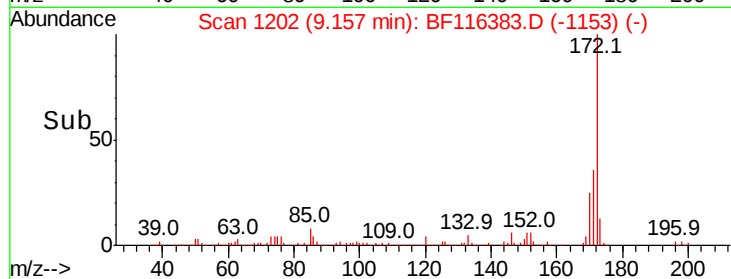
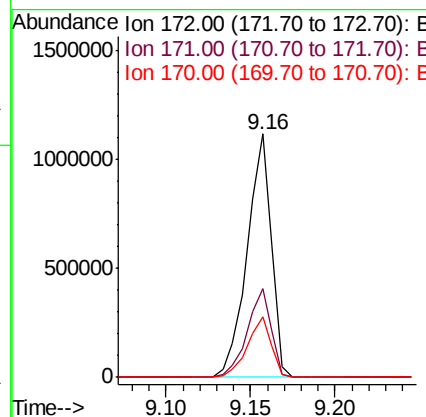
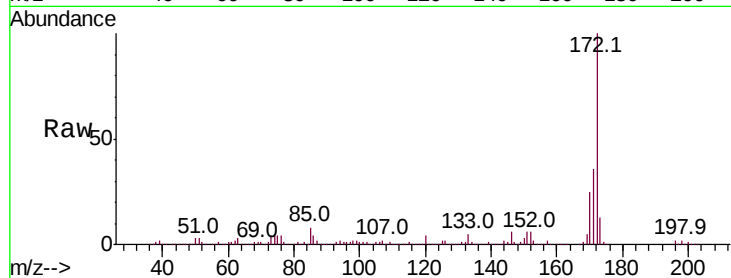
#45  
2-Fluorobiphenyl  
Concen: 79.526 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampled :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.6  | 44.4  |
| 170     | 25.0  | 20.1  | 30.1  |

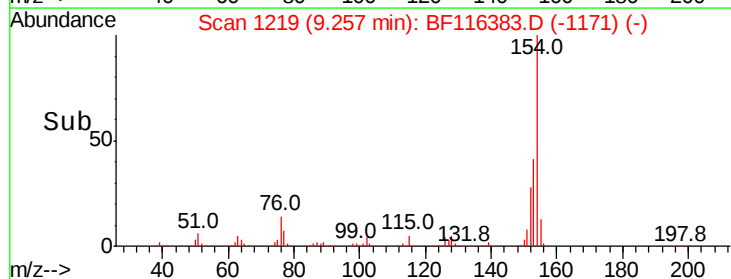
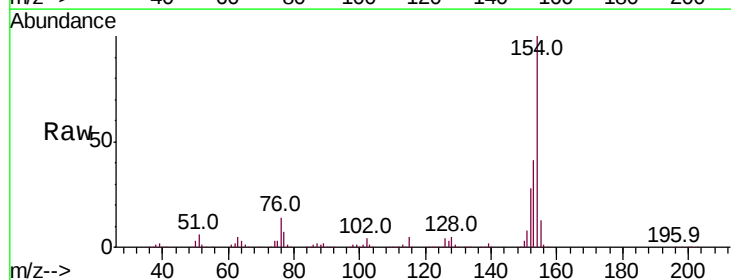
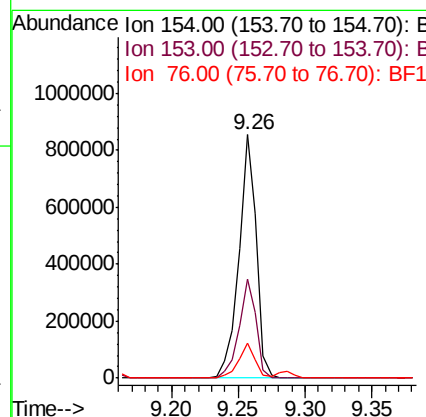
Manual Integrations  
APPROVED

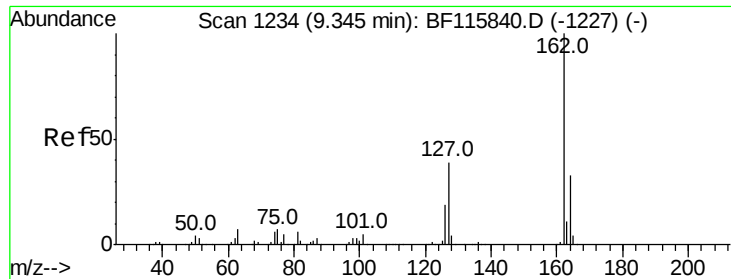
mohammad  
8/22/2019 12:45:10 PM



#46  
1,1'-Biphenyl  
Concen: 42.149 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.6  | 21.4  | 61.4  |
| 76      | 14.2  | 0.0   | 35.2  |





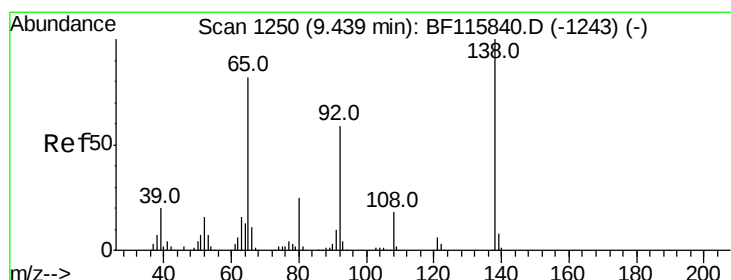
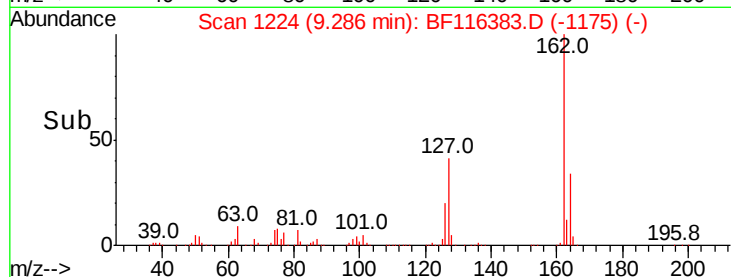
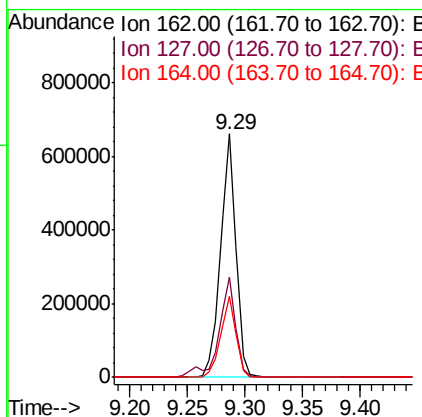
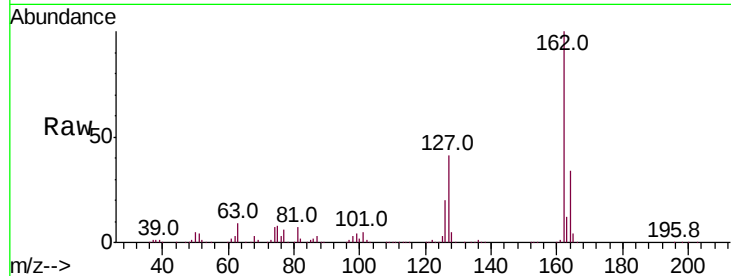
#47  
 2-Chloronaphthalene  
 Concen: 39.677 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 614742 |       |       |
| 127     | 41.1  | 32.8   | 49.2  |       |
| 164     | 33.5  | 26.6   | 39.8  |       |

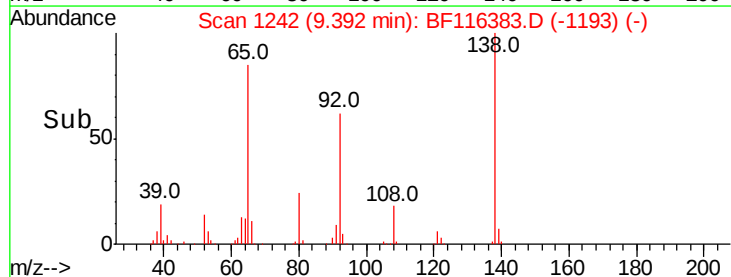
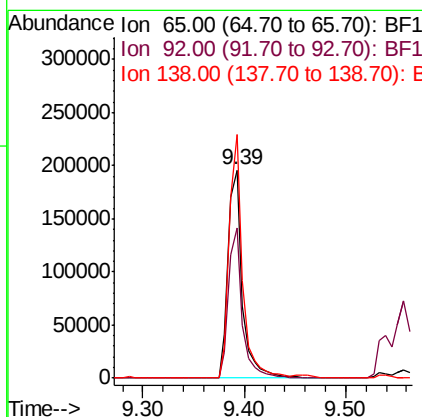
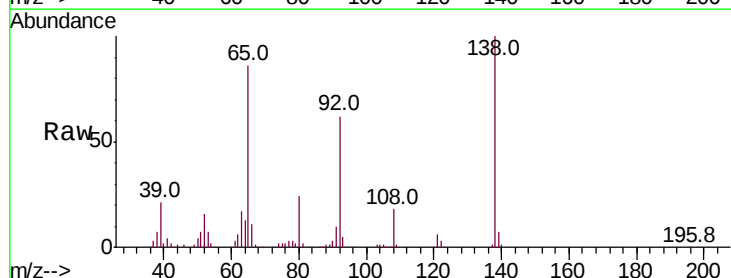
Manual Integrations  
 APPROVED

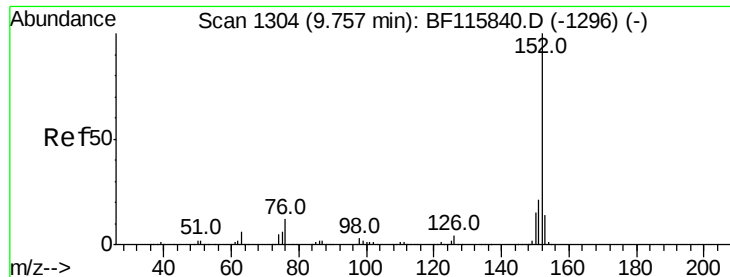
mohammad  
 8/22/2019 12:45:10 PM



#48  
 2-Nitroaniline  
 Concen: 37.661 ng  
 RT: 9.39 min Scan# 1242  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 192873 |       |       |
| 92      | 72.3  | 57.8   | 86.8  |       |
| 138     | 116.8 | 94.0   | 141.0 |       |





#49

Acenaphthylene

Concen: 40.219 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

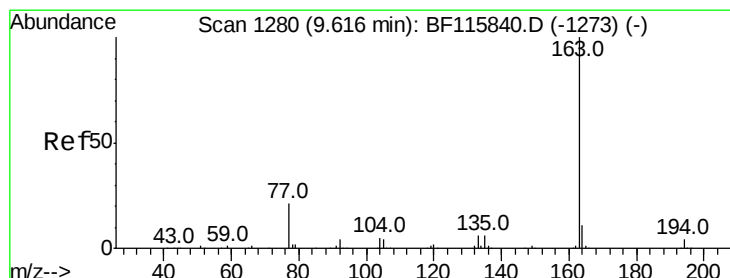
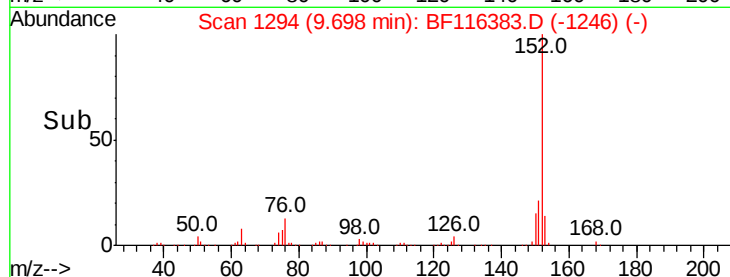
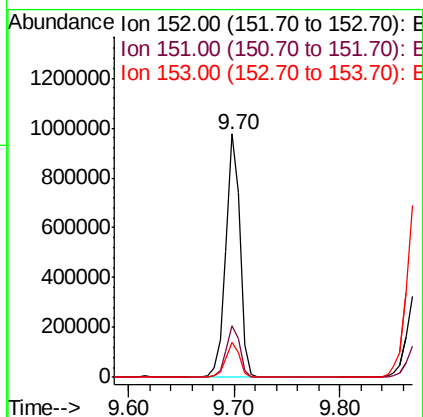
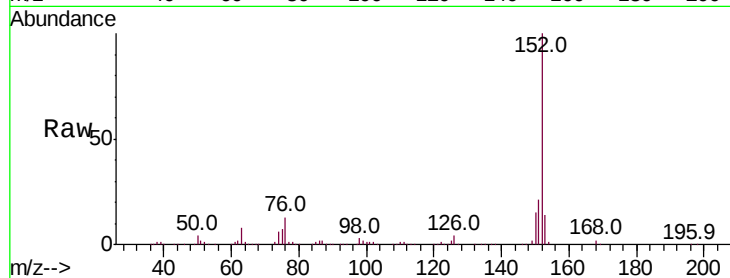
ClientSampleId :

PB122287BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 909110 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.0  | 17.2  | 25.8   |
| 153       | 14.2  | 11.8  | 17.8   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#50

Dimethylphthalate

Concen: 39.356 ng

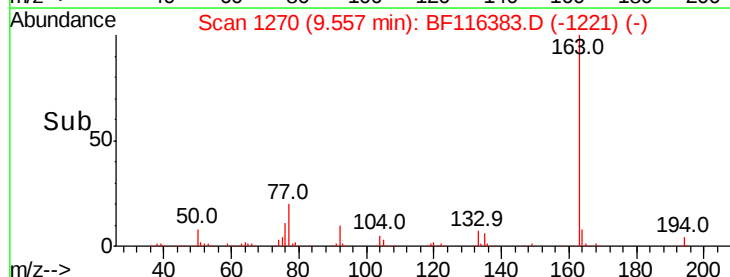
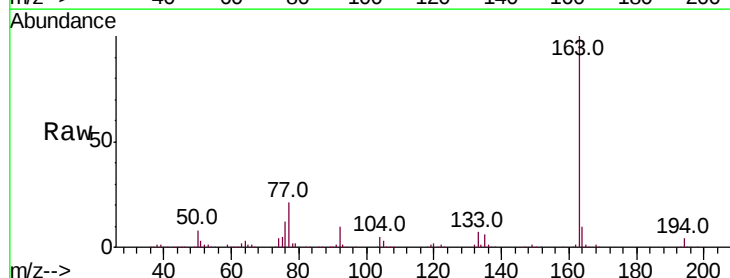
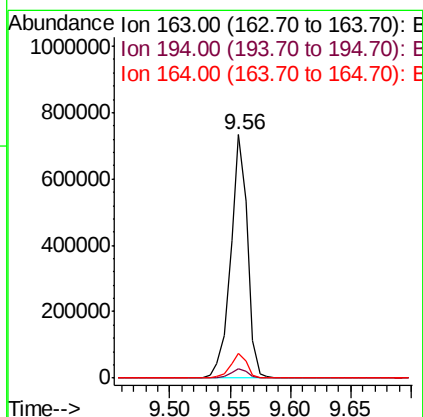
RT: 9.56 min Scan# 1270

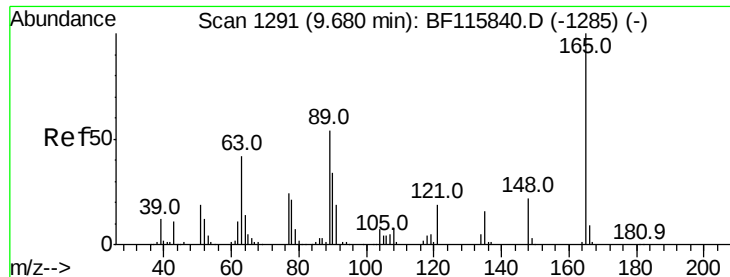
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 706585 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.8   | 3.0   | 4.6    |
| 164       | 10.4  | 8.4   | 12.6   |





#51

2,6-Dinitrotoluene

Concen: 40.419 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampled :

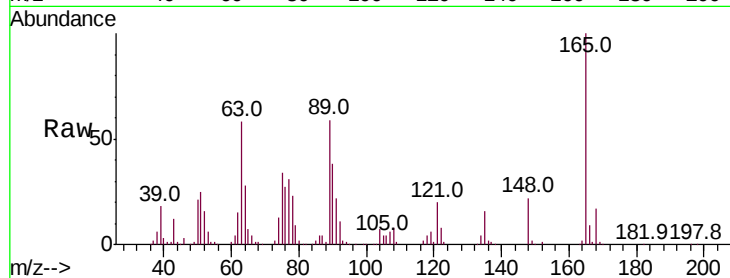
PB122287BS

Tot Ion:165 Resp: 157700  
Ion Ratio Lower Upper

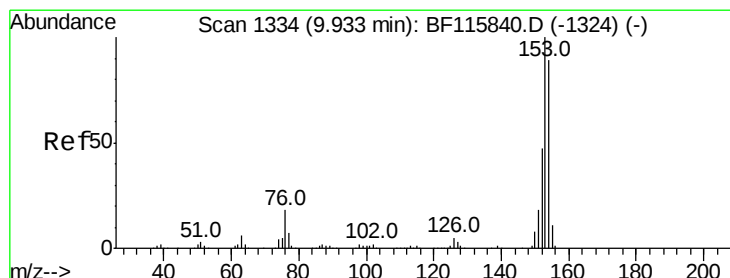
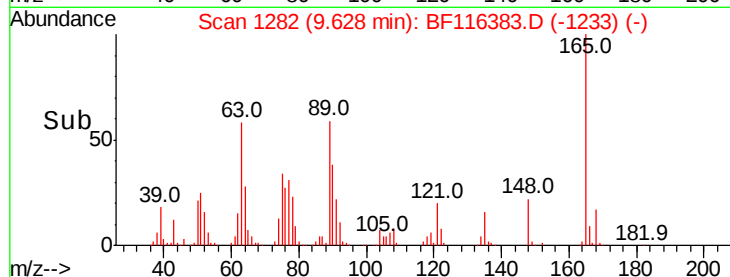
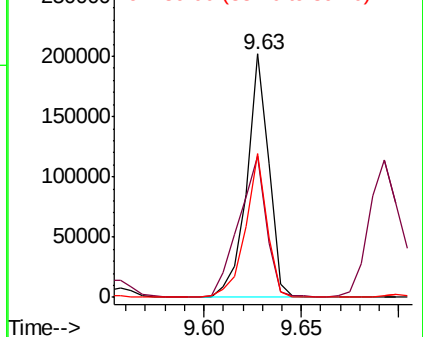
|     |      |      |       |
|-----|------|------|-------|
| 165 | 100  |      |       |
| 63  | 57.9 | 38.2 | 57.2# |
| 89  | 59.2 | 42.9 | 64.3  |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 40.101 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

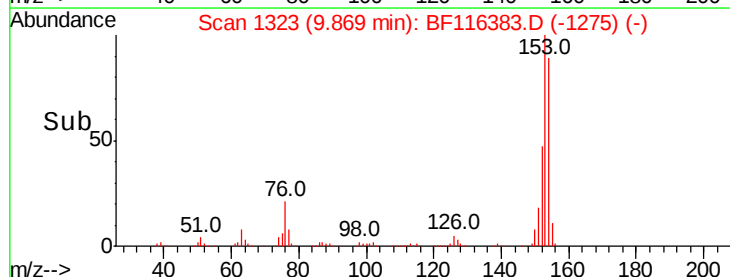
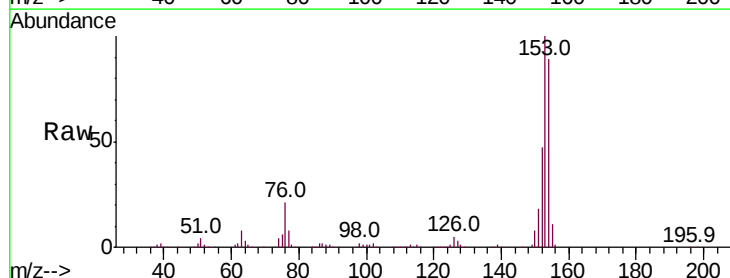
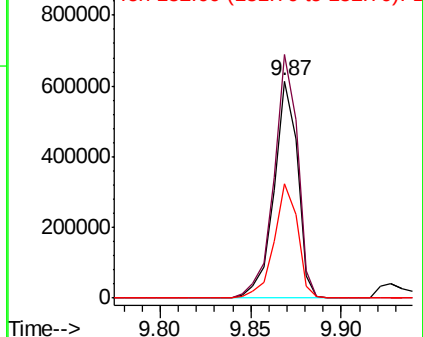
Lab File: BF116383.D

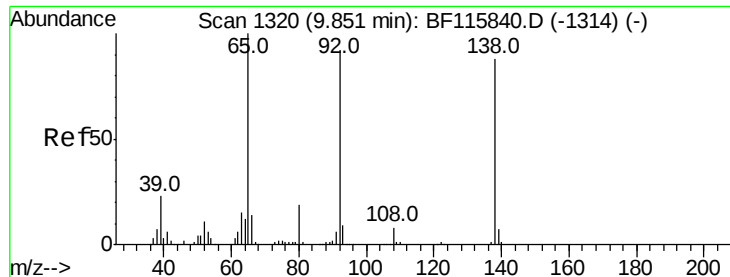
Acq: 19 Aug 2019 12:13

Tgt Ion:154 Resp: 556089  
Ion Ratio Lower Upper

|     |       |      |       |
|-----|-------|------|-------|
| 154 | 100   |      |       |
| 153 | 112.2 | 89.4 | 134.0 |
| 152 | 52.8  | 42.3 | 63.5  |

Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





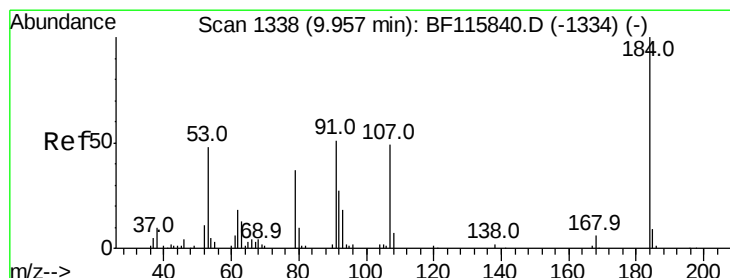
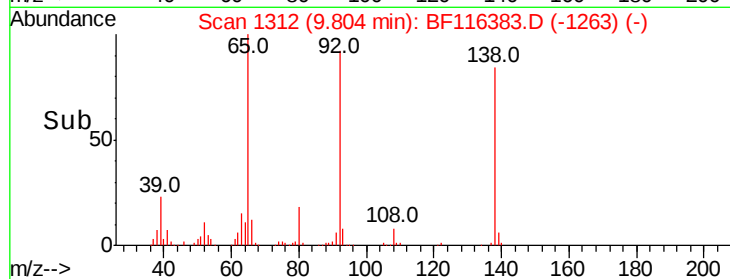
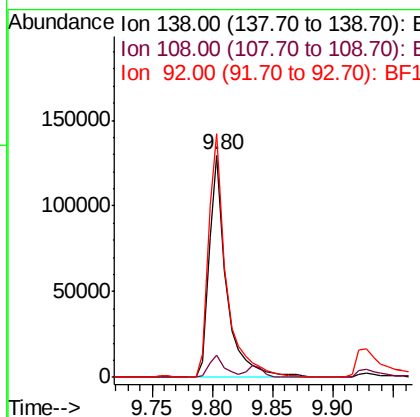
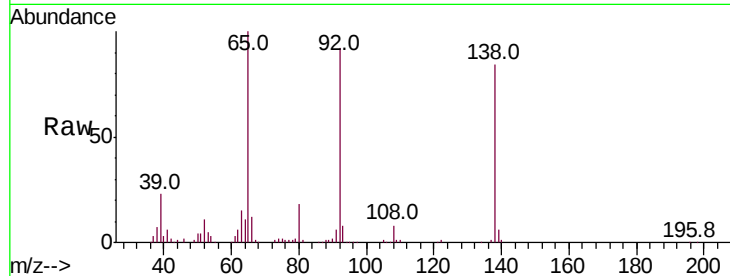
#53  
3-Nitroaniline  
Concen: 26.313 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 126852 |       |       |
| 108     | 9.8   | 8.0    | 12.0  |       |
| 92      | 109.6 | 91.0   | 136.6 |       |

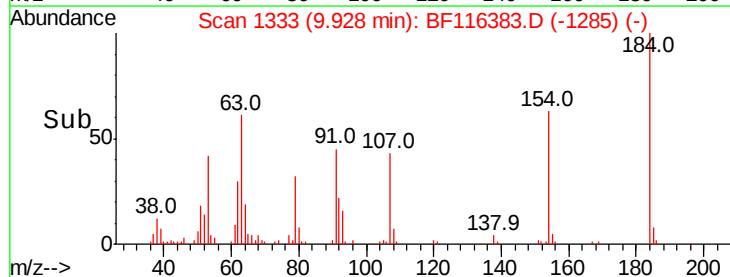
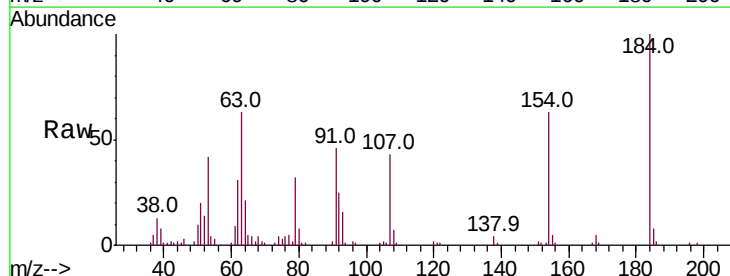
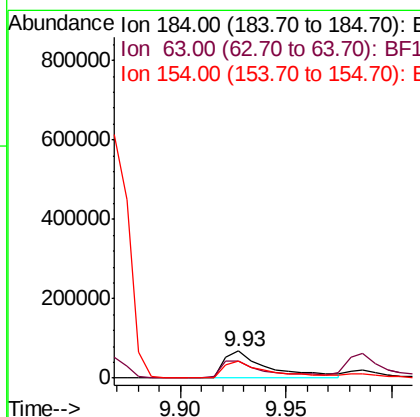
Manual Integrations  
APPROVED

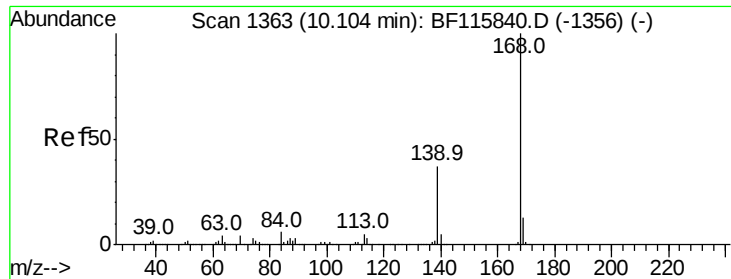
mohammad  
8/22/2019 12:45:10 PM



#54  
2,4-Dinitrophenol  
Concen: 53.932 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 101425 |       |       |
| 63      | 63.3  | 53.0   | 79.4  |       |
| 154     | 63.1  | 50.1   | 75.1  |       |





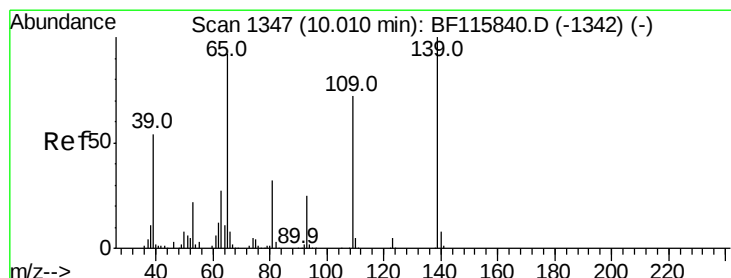
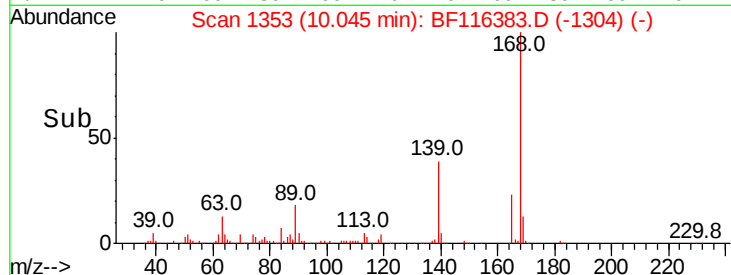
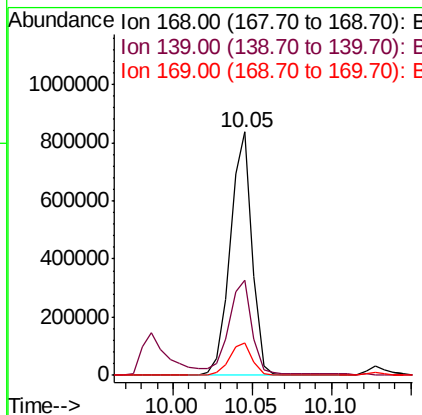
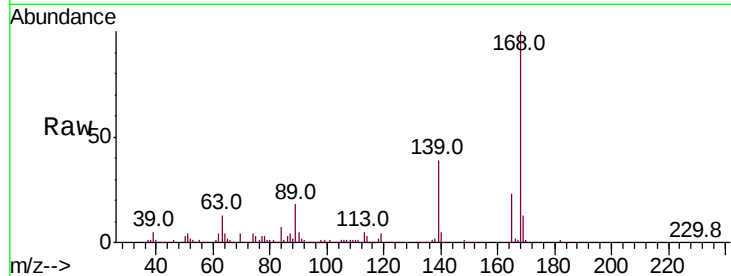
#55  
Dibenzofuran  
Concen: 39.176 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.3  | 31.4  | 47.2  |
| 169     | 13.3  | 10.9  | 16.3  |

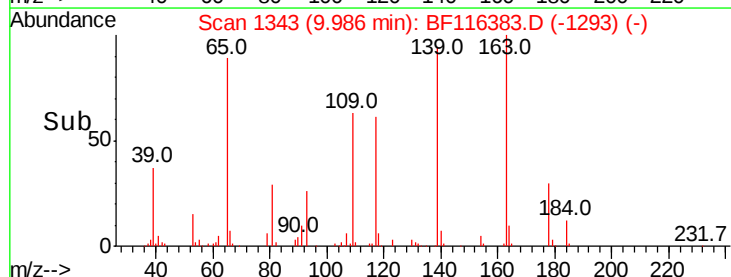
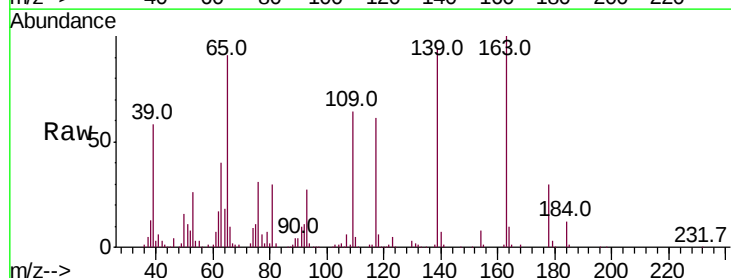
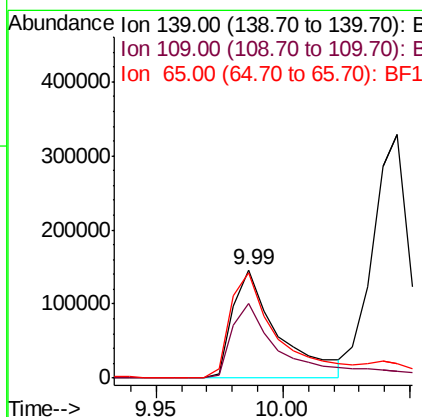
Manual Integrations  
APPROVED

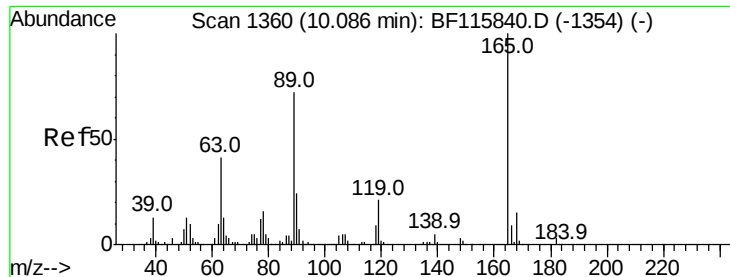
mohammad  
8/22/2019 12:45:10 PM



#56  
4-Nitrophenol  
Concen: 58.951 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 68.4  | 54.4  | 94.4  |
| 65      | 97.4  | 80.6  | 120.6 |





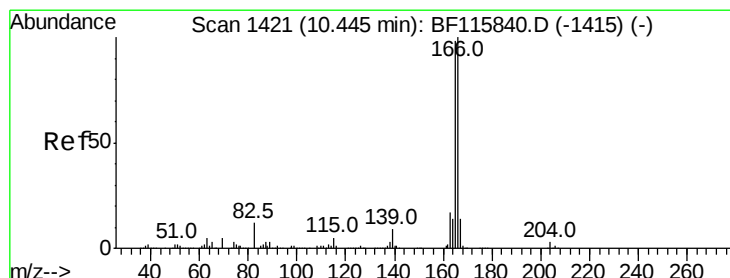
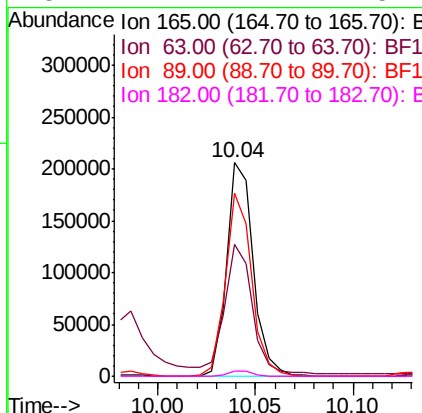
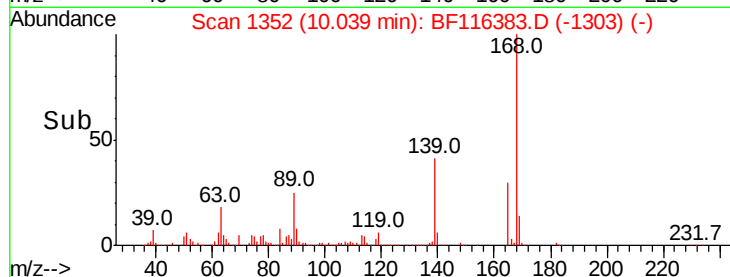
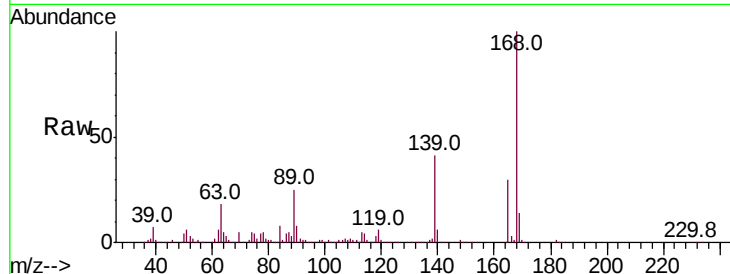
#57  
 2,4-Dinitrotoluene  
 Concen: 37.428 ng  
 RT: 10.04 min Scan# 1352  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 194427 |       |       |
| 63      | 61.7  | 39.6   | 59.4# |       |
| 89      | 85.7  | 62.2   | 93.2  |       |
| 182     | 2.4   | 2.1    | 3.1   |       |

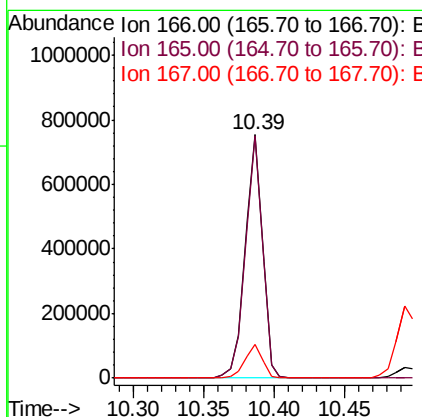
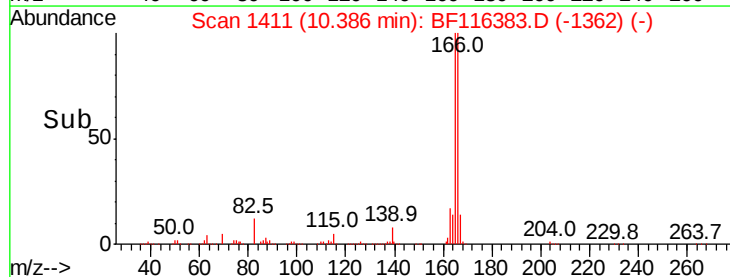
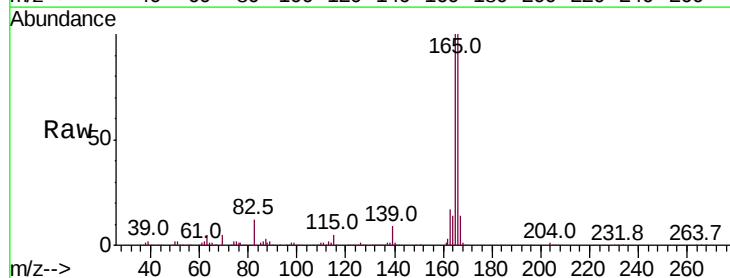
Manual Integrations  
 APPROVED

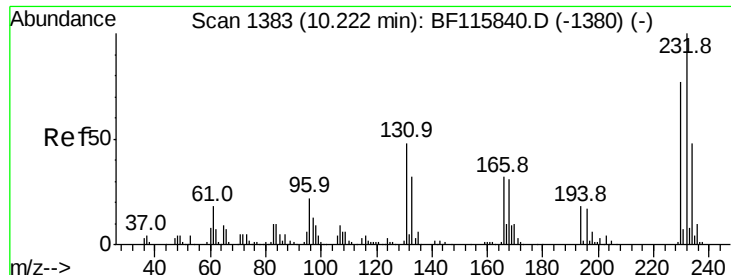
mohammad  
 8/22/2019 12:45:10 PM



#58  
 Fluorene  
 Concen: 41.629 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 645901 |       |       |
| 165     | 99.7  | 78.4   | 117.6 |       |
| 167     | 13.8  | 11.0   | 16.4  |       |





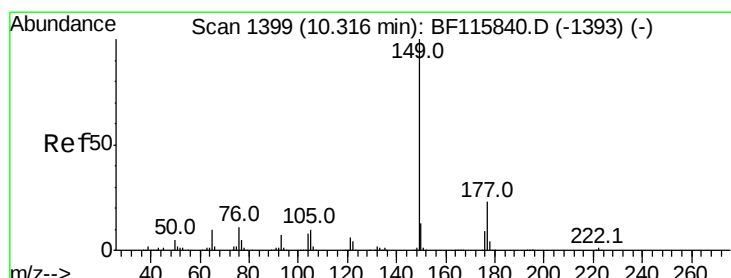
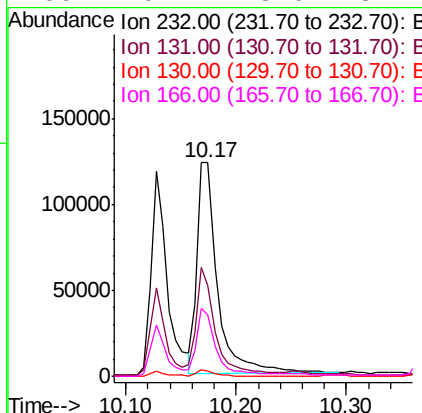
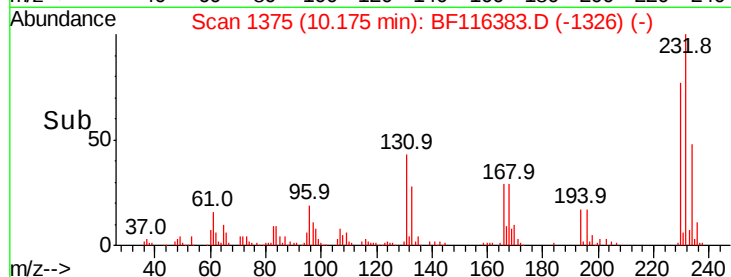
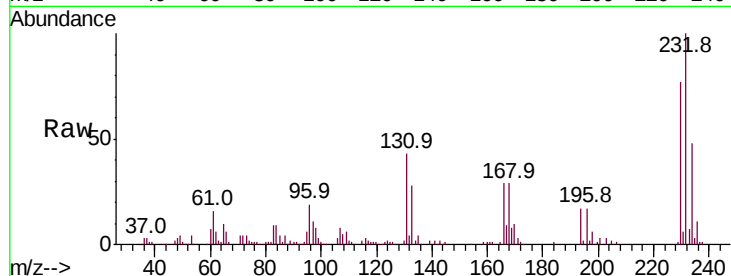
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 37.015 ng  
 RT: 10.17 min Scan# 1375  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 156193 |       |       |
| 131     | 44.3  | 36.2   | 54.2  |       |
| 130     | 2.5   | 1.9    | 2.9   |       |
| 166     | 29.2  | 23.0   | 34.4  |       |

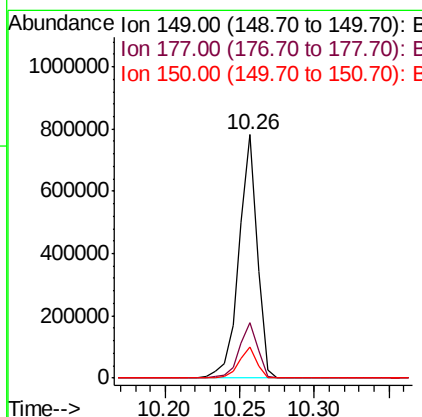
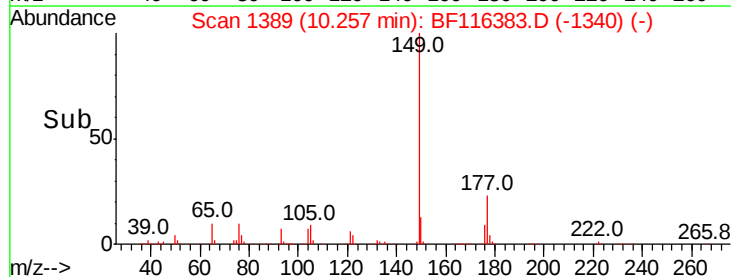
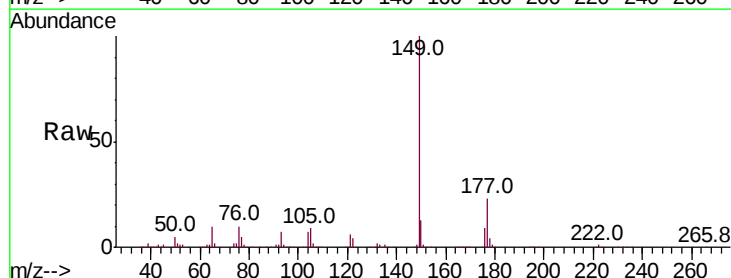
Manual Integrations  
 APPROVED

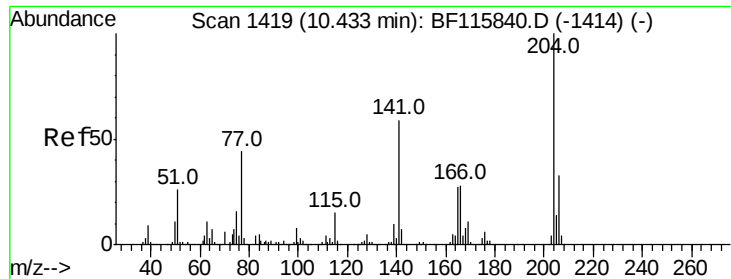
mohammad  
 8/22/2019 12:45:10 PM



#60  
 Diethylphthalate  
 Concen: 39.964 ng  
 RT: 10.26 min Scan# 1389  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 669868 |       |       |
| 177     | 22.9  | 18.8   | 28.2  |       |
| 150     | 12.7  | 10.2   | 15.4  |       |





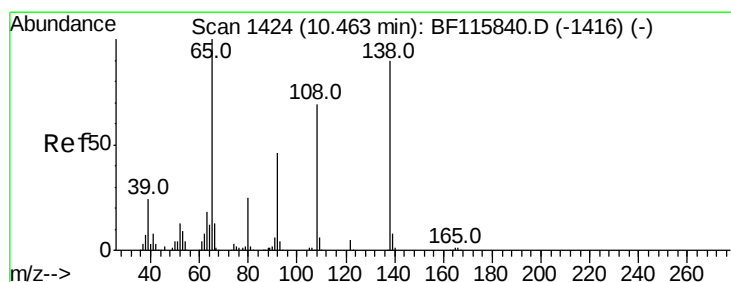
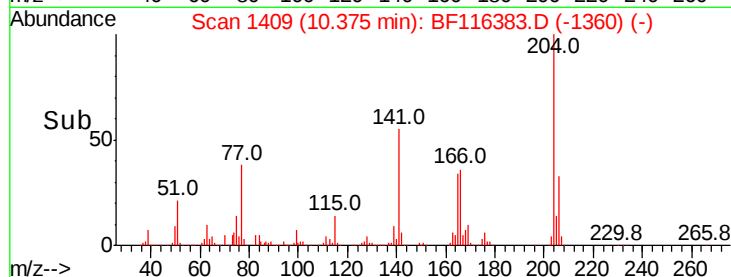
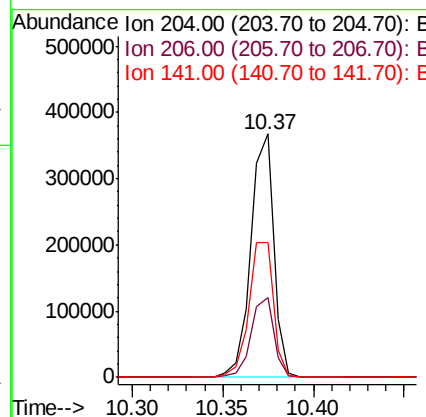
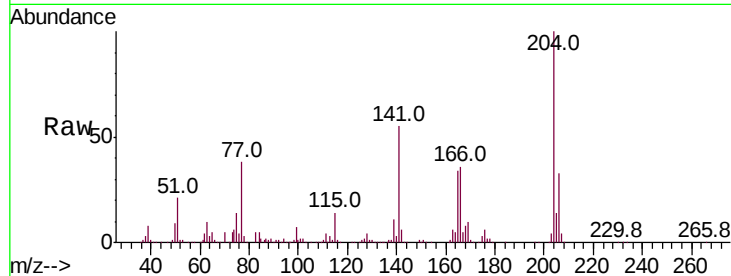
#61  
4-Chlorophenyl-phenylether  
Concen: 41.233 ng  
RT: 10.37 min Scan# 1409  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 324001 |       |       |
| 206     | 32.7  | 26.4   | 39.6  |       |
| 141     | 55.2  | 46.4   | 69.6  |       |

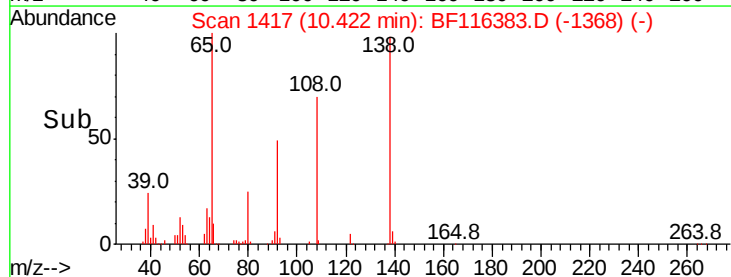
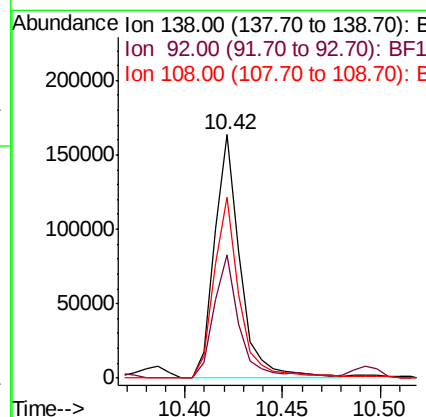
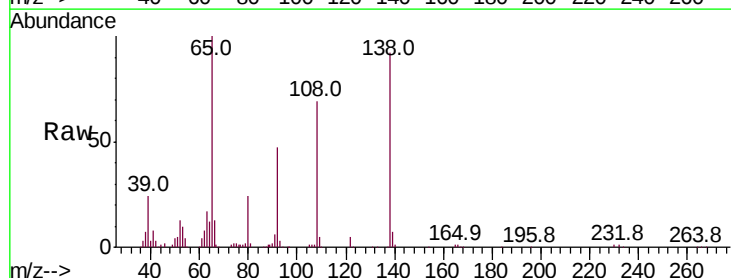
Manual Integrations  
APPROVED

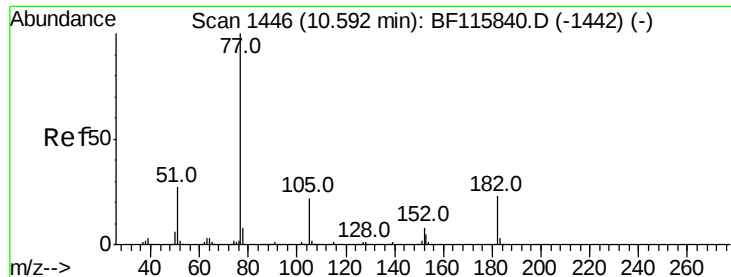
mohammad  
8/22/2019 12:45:10 PM



#62  
4-Nitroaniline  
Concen: 29.851 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 148720 |       |       |
| 92      | 50.6  | 29.0   | 69.0  |       |
| 108     | 74.1  | 54.7   | 94.7  |       |





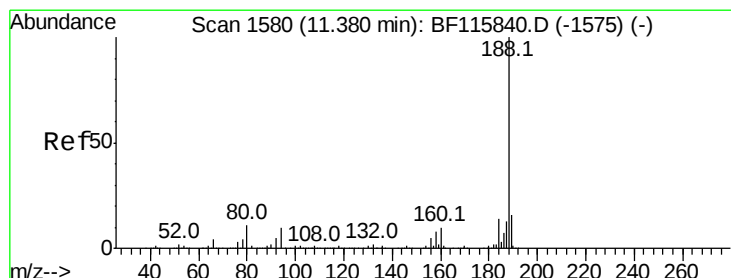
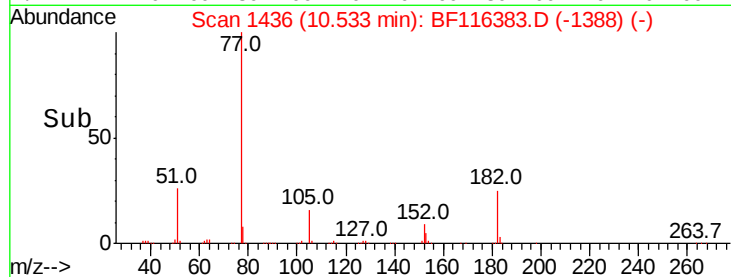
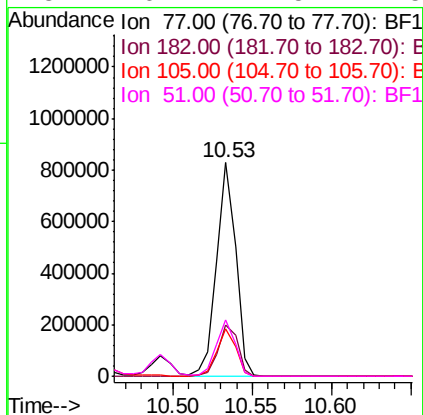
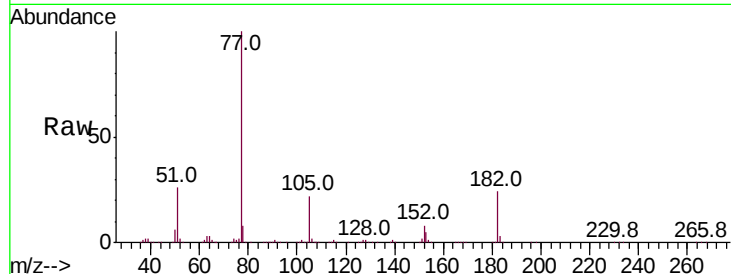
#63  
Azobenzene  
Concen: 40.471 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 697742 |       |       |
| 182     | 23.9 | 4.0   | 44.0   |       |       |
| 105     | 22.2 | 2.0   | 42.0   |       |       |
| 51      | 26.4 | 7.5   | 47.5   |       |       |

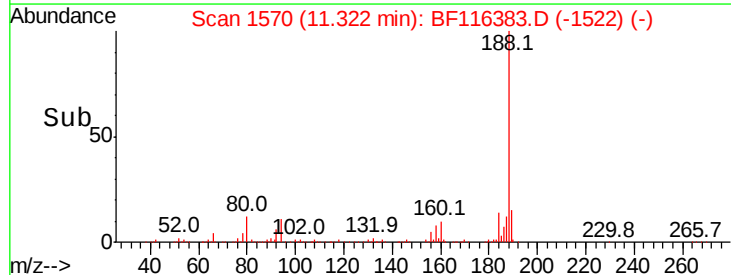
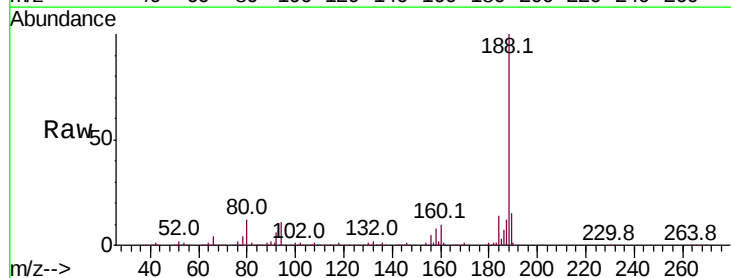
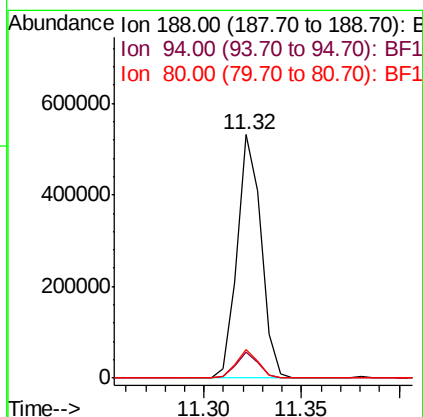
Manual Integrations  
APPROVED

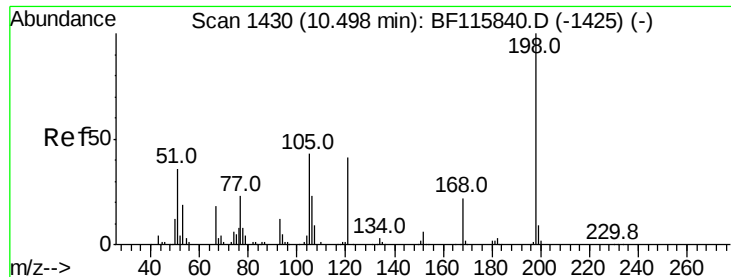
mohammad  
8/22/2019 12:45:10 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 188     | 100  |       | 452019 |       |       |
| 94      | 10.5 | 8.1   | 12.1   |       |       |
| 80      | 11.5 | 8.7   | 13.1   |       |       |





#65

4,6-Dinitro-2-methylphenol

Concen: 39.466 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

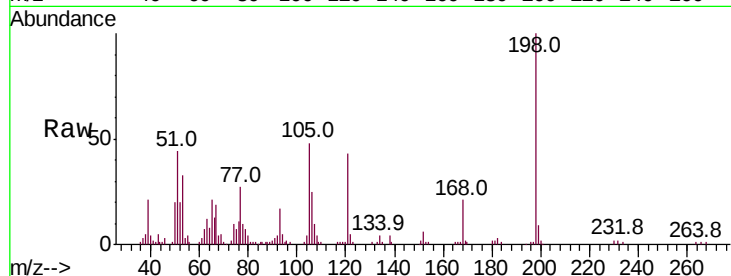
ClientSampleId :

PB122287BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 198   | Resp: | 94538 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 44.0  | 17.0  | 57.0  |
| 105       | 48.4  | 21.6  | 61.6  |

Manual Integrations  
APPROVED

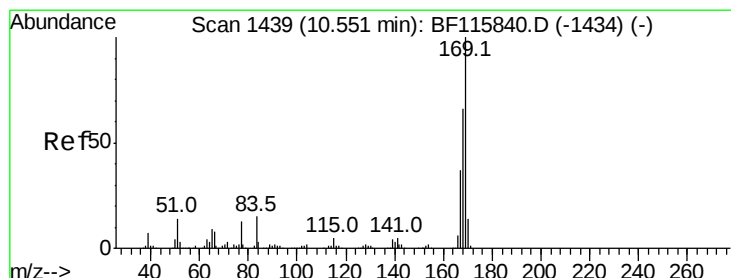
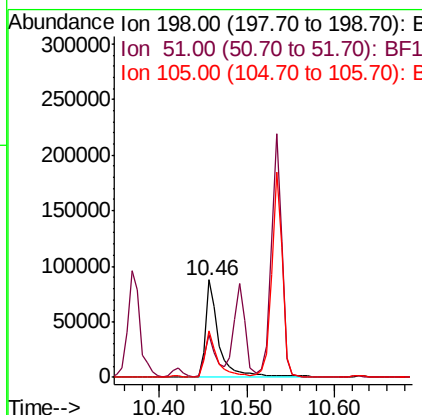
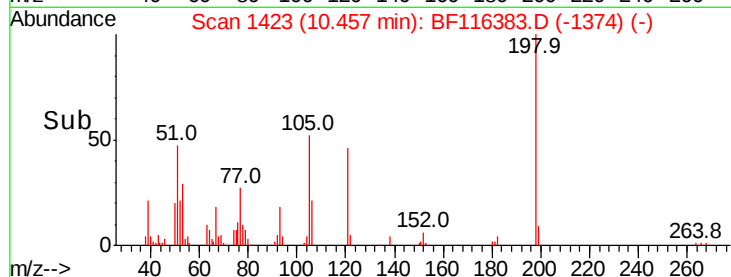
mohammad  
8/22/2019 12:45:10 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 42.003 ng

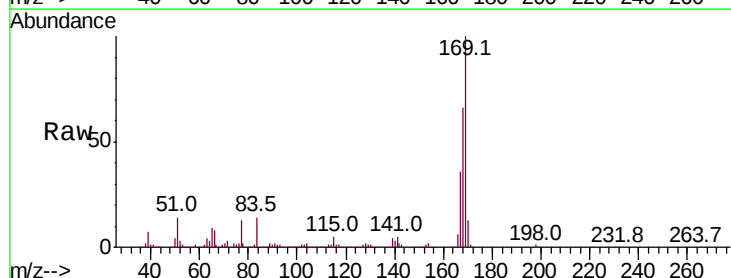
RT: 10.49 min Scan# 1429

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

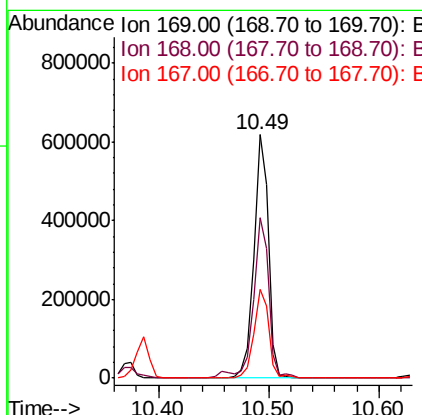
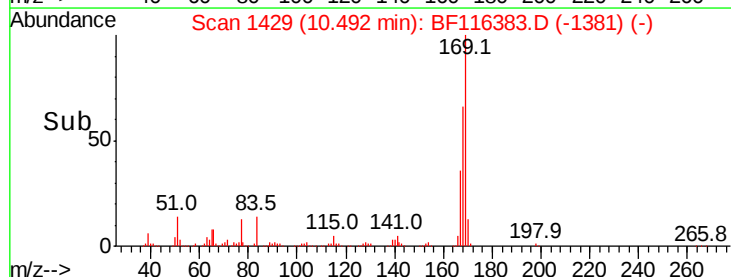
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 571470 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 66.0  | 53.8  | 80.6   |
| 167       | 36.3  | 29.6  | 44.4   |

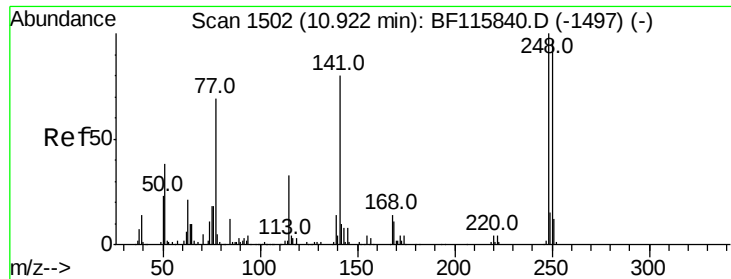


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





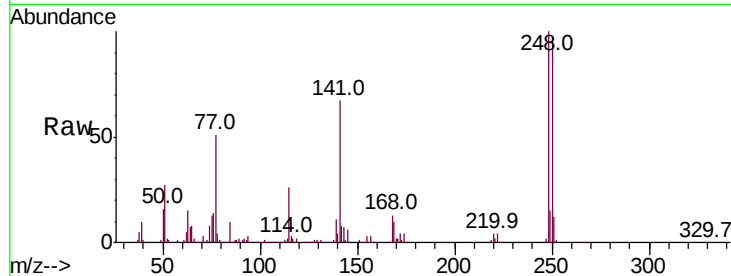
#67  
4-Bromophenyl-phenylether  
Concen: 40.243 ng  
RT: 10.86 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.6  | 77.4  | 116.2 |
| 141     | 66.9  | 56.8  | 85.2  |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM

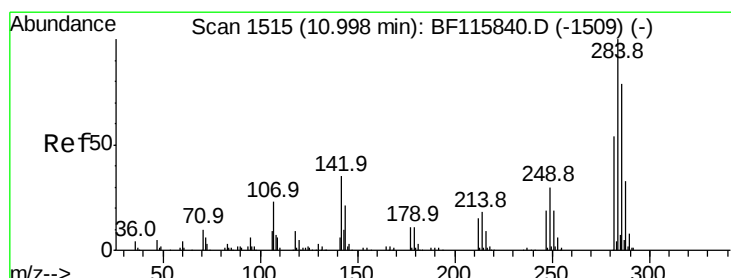
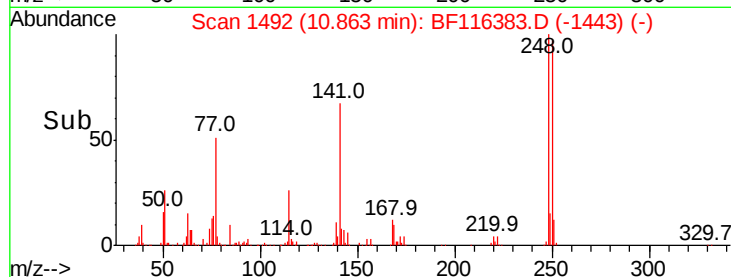
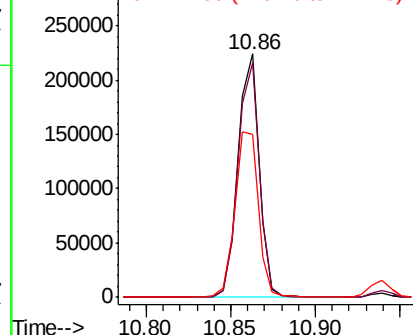


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 39.115 ng  
RT: 10.94 min Scan# 1505  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

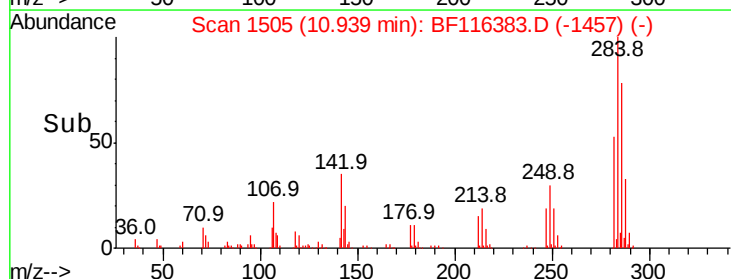
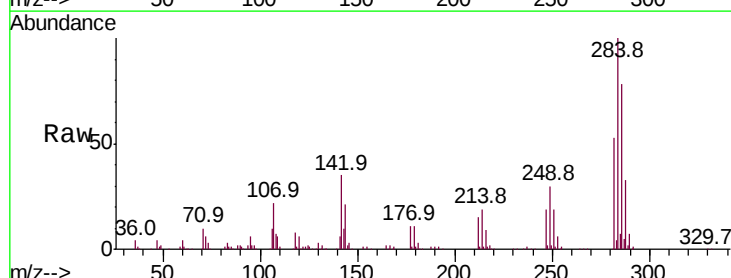
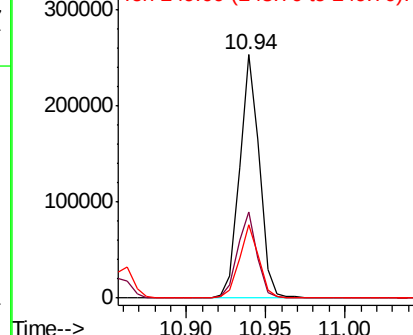
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.2  | 28.4  | 42.6  |
| 249     | 29.9  | 24.5  | 36.7  |

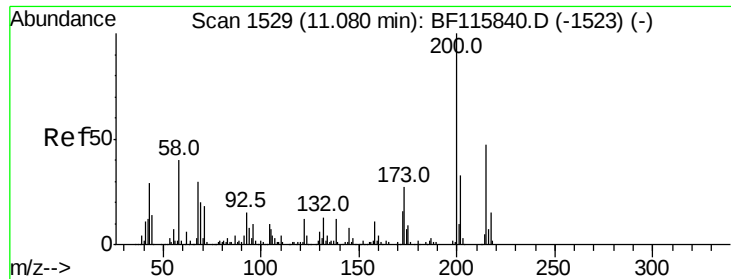
Abundance

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





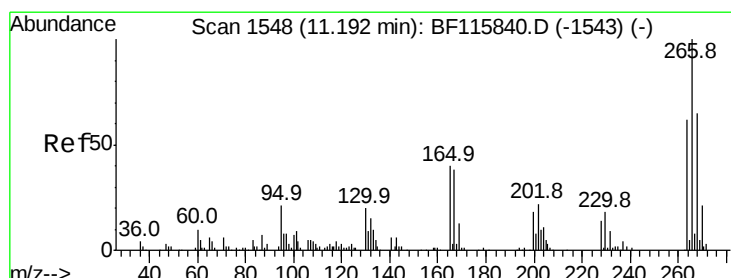
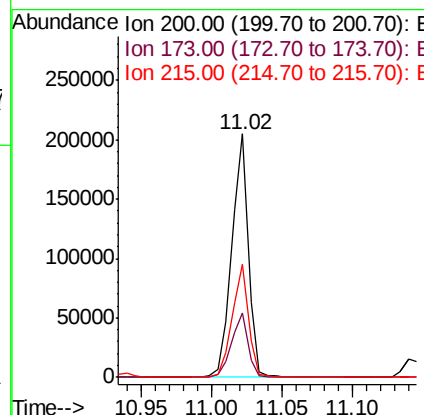
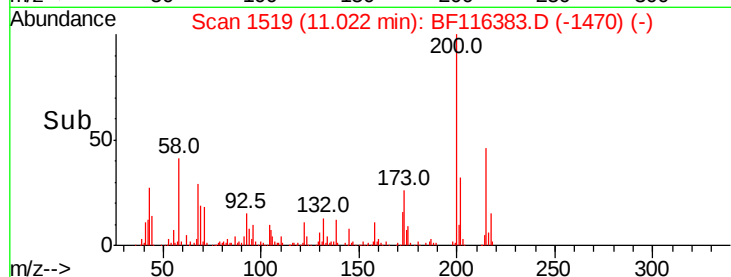
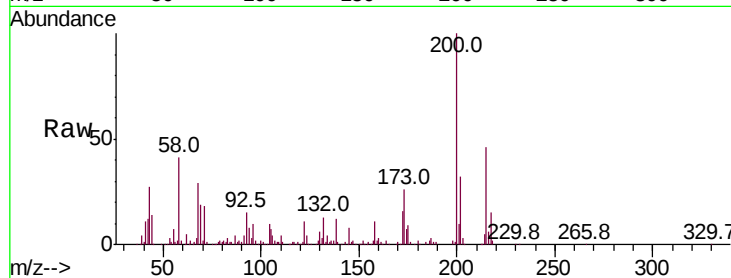
#69  
Atrazine  
Concen: 37.315 ng  
RT: 11.02 min Scan# 1519  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 167017 |       |       |
| 173     | 26.3  | 6.8    | 46.8  |       |
| 215     | 46.2  | 27.5   | 67.5  |       |

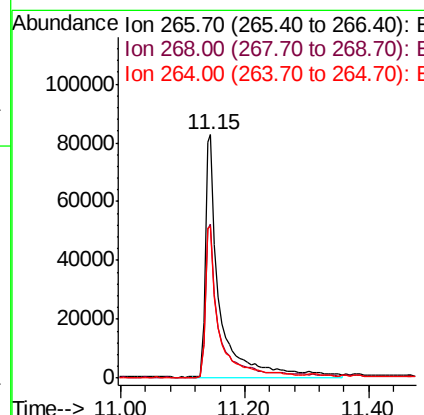
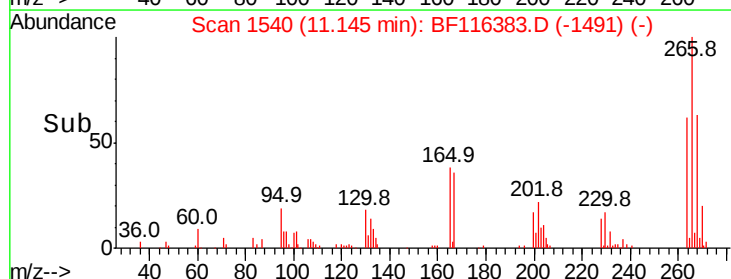
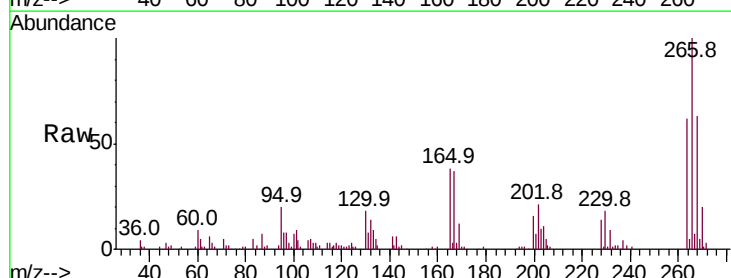
Manual Integrations  
APPROVED

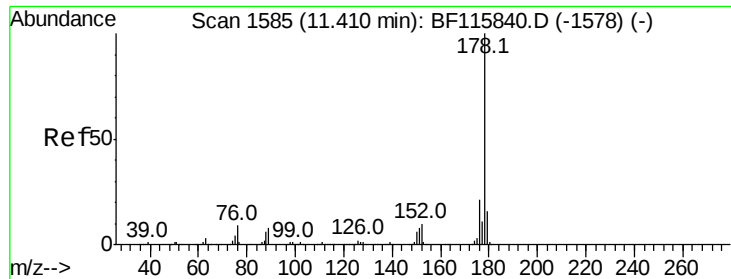
mohammad  
8/22/2019 12:45:10 PM



#70  
Pentachlorophenol  
Concen: 51.964 ng m  
RT: 11.15 min Scan# 1540  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 141162 |       |       |
| 268     | 63.3  | 48.8   | 73.2  |       |
| 264     | 62.2  | 50.6   | 76.0  |       |





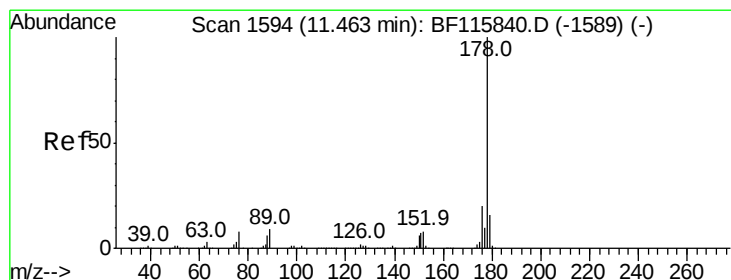
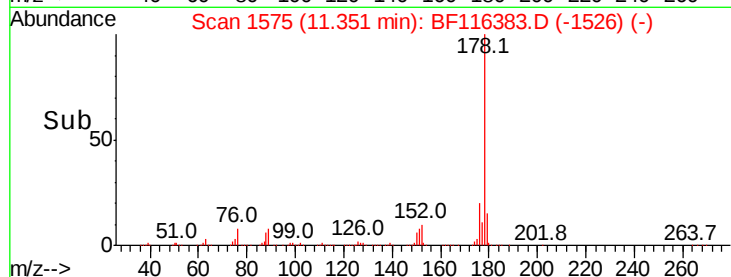
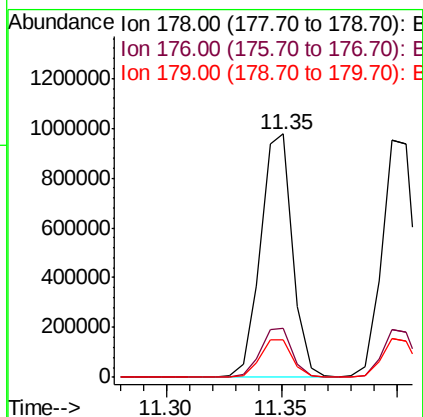
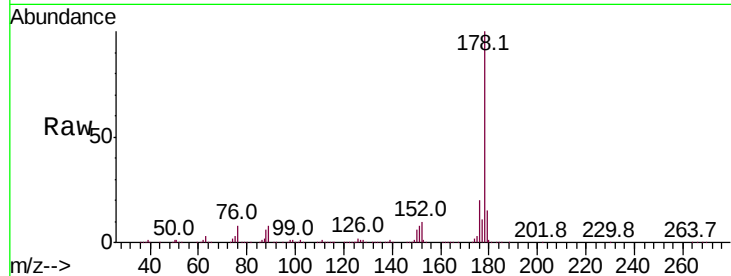
#71  
Phenanthrene  
Concen: 40.792 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.2  | 16.6  | 24.8  |
| 179     | 15.5  | 12.5  | 18.7  |

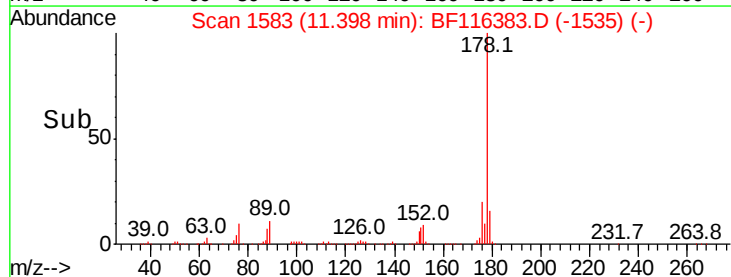
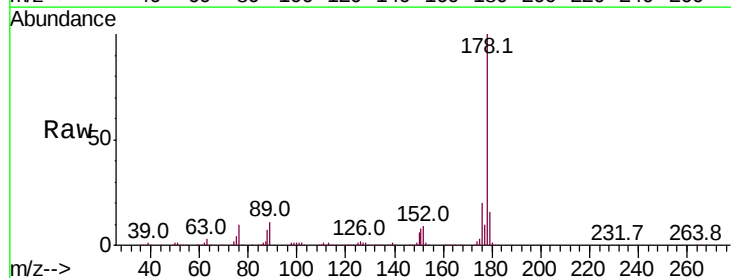
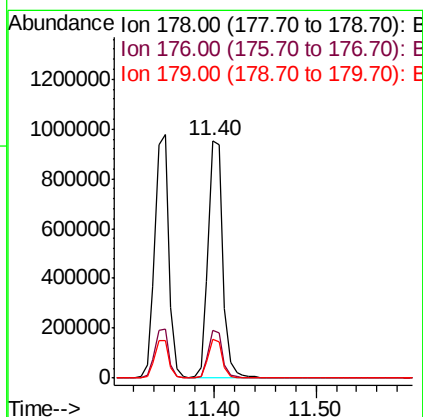
Manual Integrations  
APPROVED

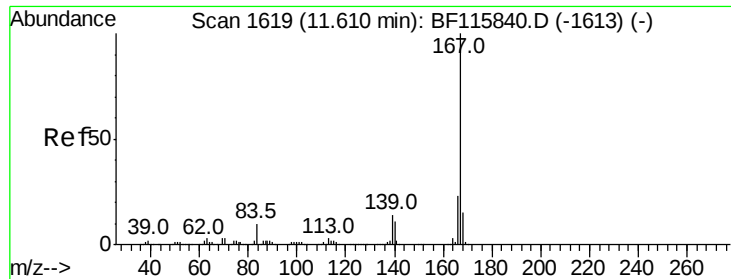
mohammad  
8/22/2019 12:45:10 PM



#72  
Anthracene  
Concen: 41.241 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 15.7  | 23.5  |
| 179     | 16.1  | 13.0  | 19.6  |





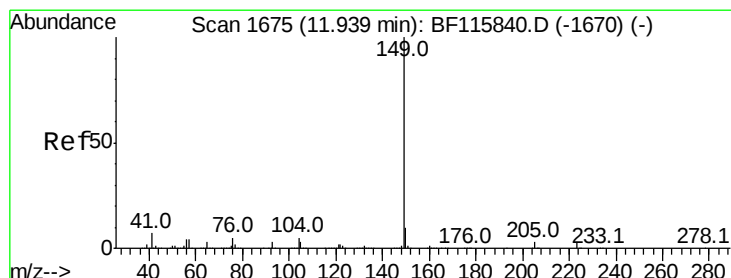
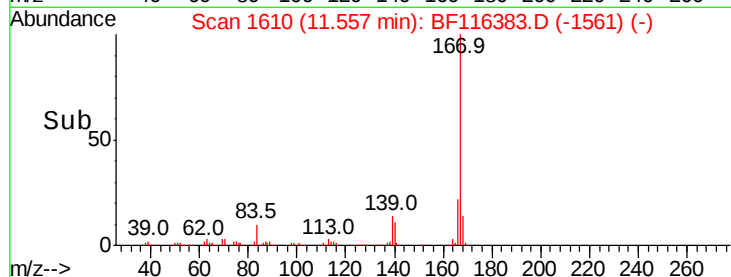
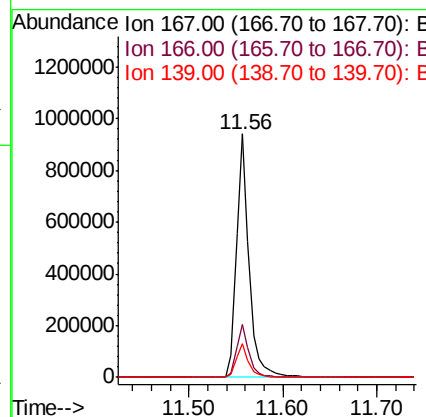
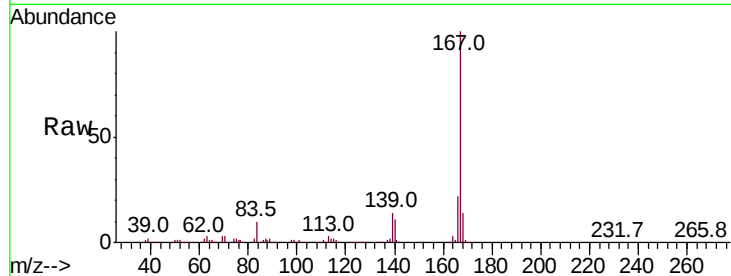
#73  
 Carbazole  
 Concen: 41.013 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 870178 |       |       |
| 166     | 21.6  |        | 17.8  | 26.6  |
| 139     | 13.8  |        | 11.4  | 17.0  |

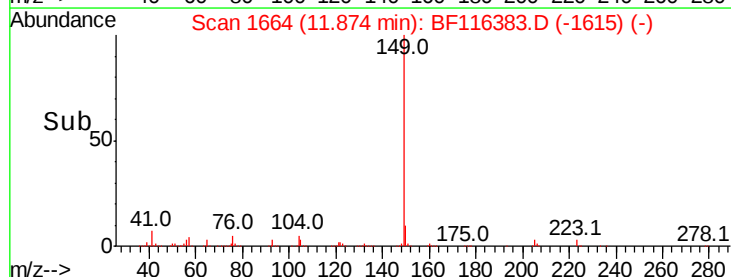
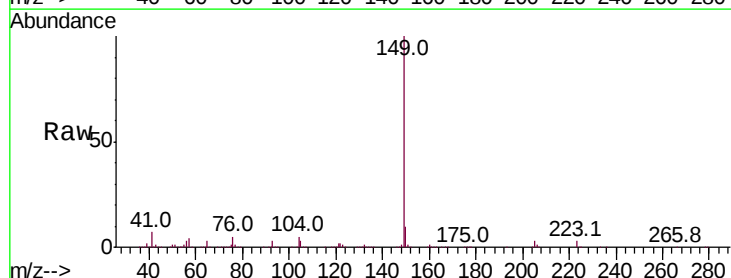
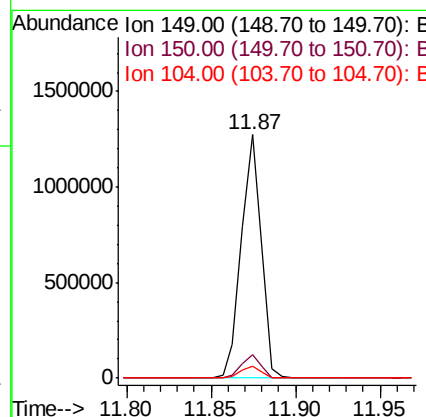
Manual Integrations  
 APPROVED

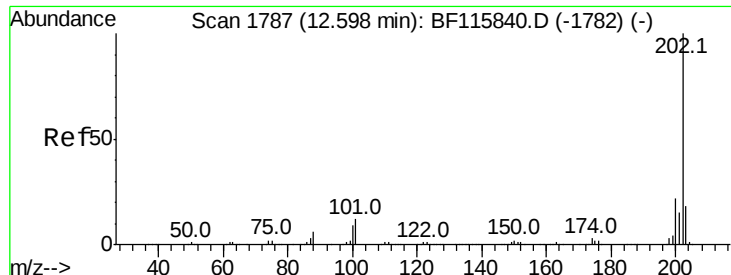
mohammad  
 8/22/2019 12:45:10 PM



#74  
 Di-n-butylphthalate  
 Concen: 41.959 ng  
 RT: 11.87 min Scan# 1664  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1038520 |       |       |
| 150     | 9.6   |         | 8.0   | 12.0  |
| 104     | 5.1   |         | 4.5   | 6.7   |





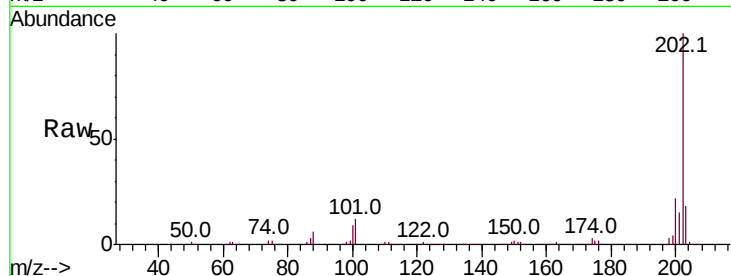
#75  
 Fluoranthene  
 Concen: 40.672 ng  
 RT: 12.54 min Scan# 1777  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

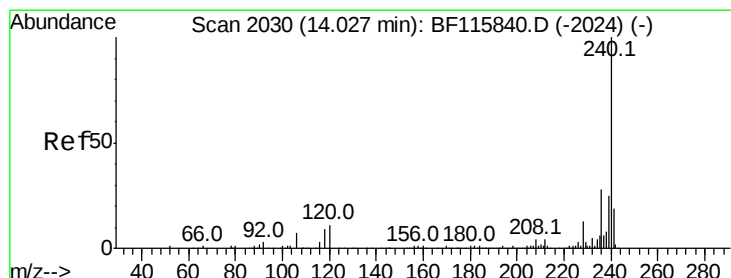
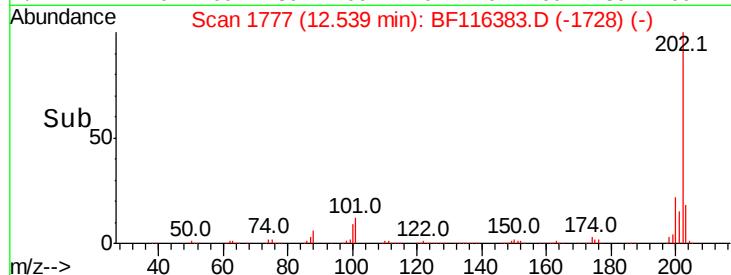
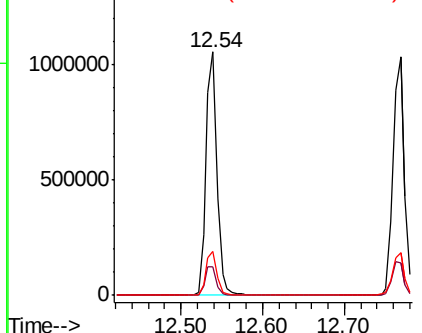
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.8  | 0.0        | 31.2  |
| 203     | 17.9  | 0.0        | 37.8  |

Manual Integrations  
 APPROVED

mohammad  
 8/22/2019 12:45:10 PM



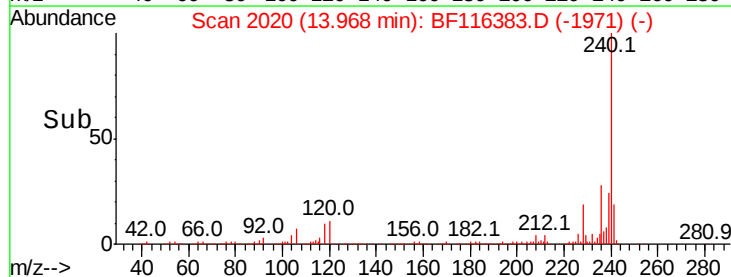
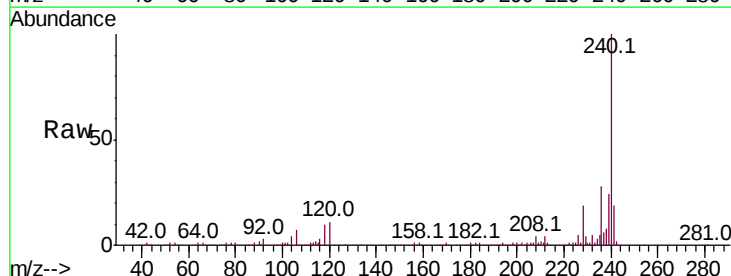
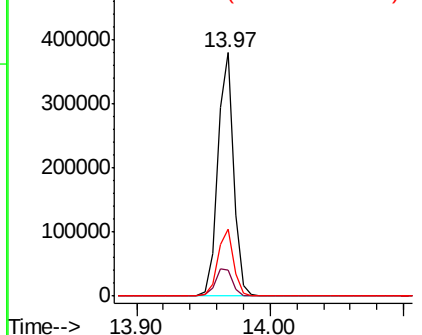
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

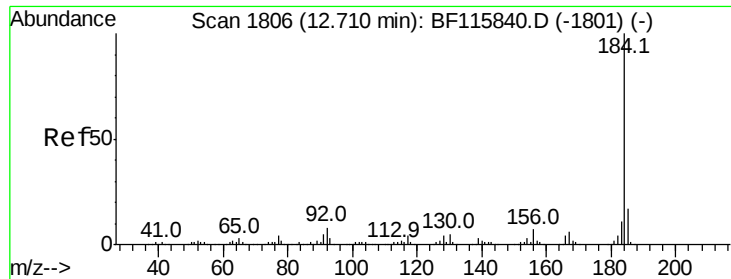


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 10.5  | 10.7       | 16.1# |
| 236     | 27.6  | 22.2       | 33.2  |

Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 19.624 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

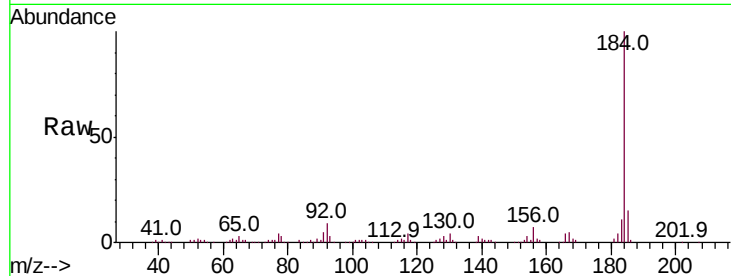
ClientSampleId :

PB122287BS

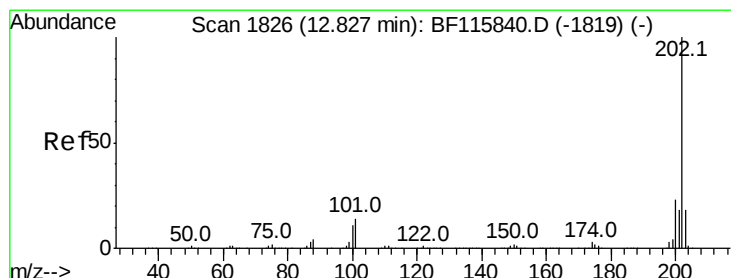
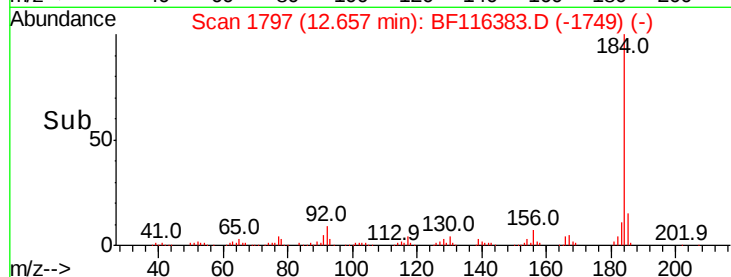
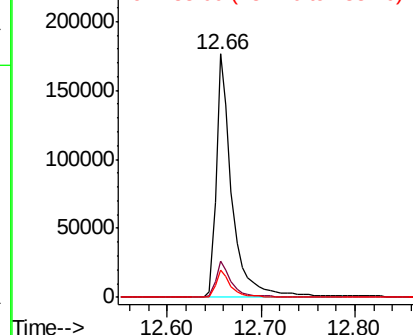
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 210890 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 12.8  | 19.2   |
| 183       | 11.4  | 9.4   | 14.0   |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 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: 41.819 ng

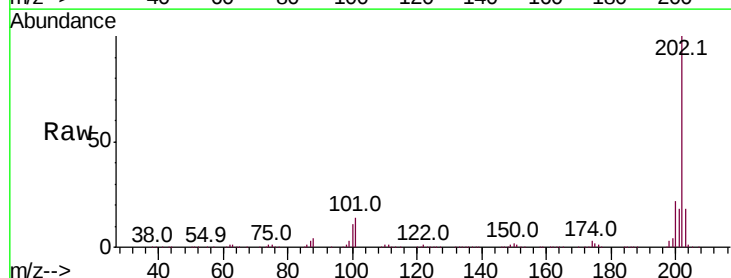
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

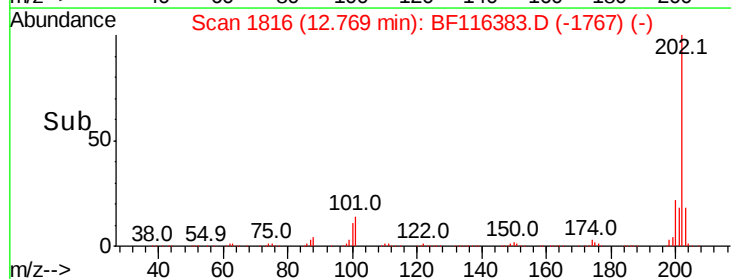
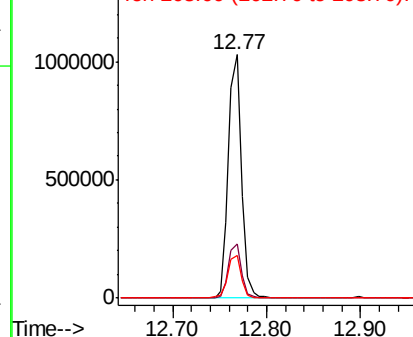
Lab File: BF116383.D

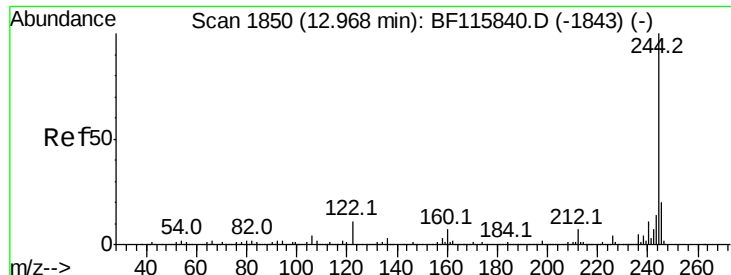
Acq: 19 Aug 2019 12:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1002755 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.3  | 18.0  | 27.0    |
| 203       | 17.7  | 14.1  | 21.1    |



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: 80.386 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB122287BS

Tot Ion:244 Resp: 1213489

Ion Ratio Lower Upper

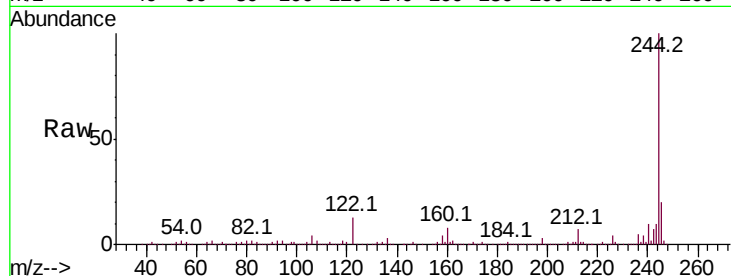
244 100

212 7.1 5.8 8.8

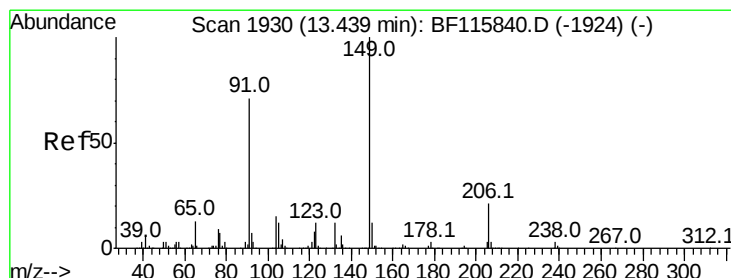
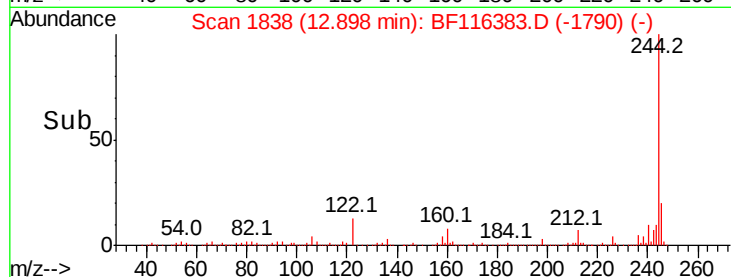
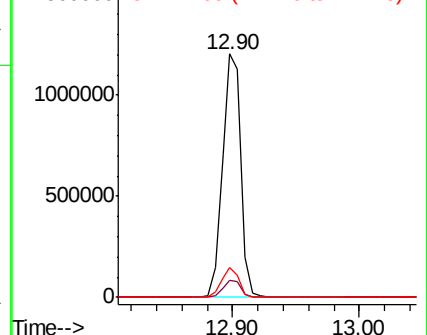
122 12.5 9.0 13.4

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



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



#80

Butylbenzylphthalate

Concen: 42.672 ng

RT: 13.37 min Scan# 1918

Delta R.T. -0.02 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

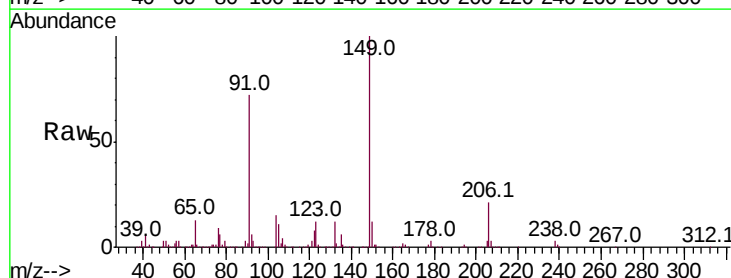
Tgt Ion:149 Resp: 432816

Ion Ratio Lower Upper

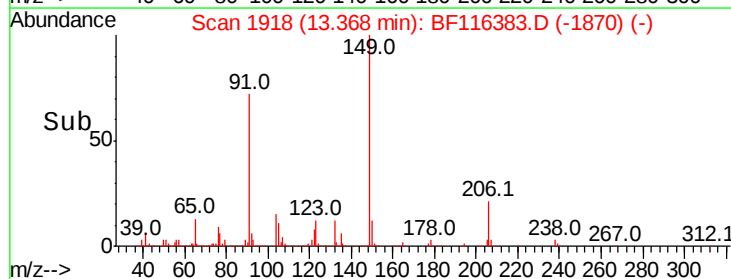
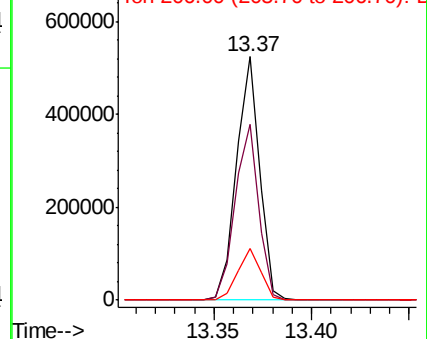
149 100

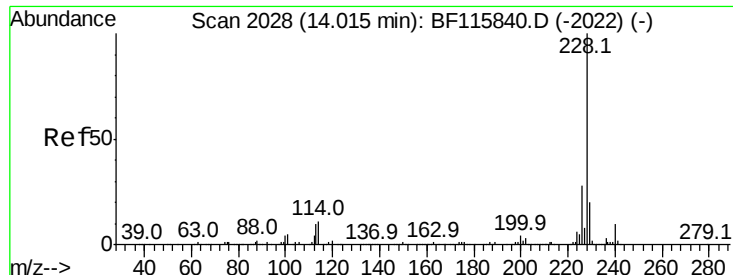
91 72.1 56.3 84.5

206 21.4 18.0 27.0



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF1  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.697 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

Instrument :

BNA\_F

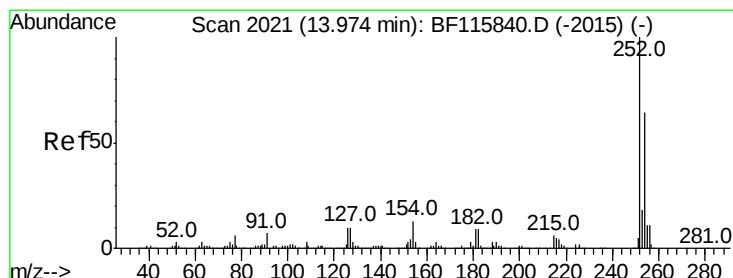
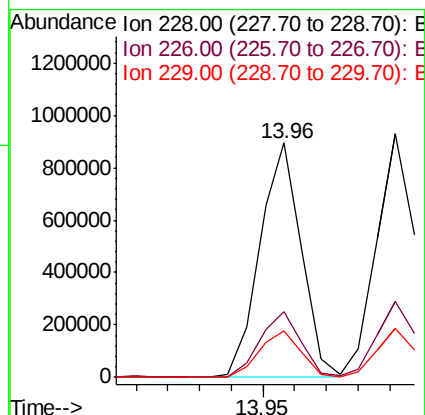
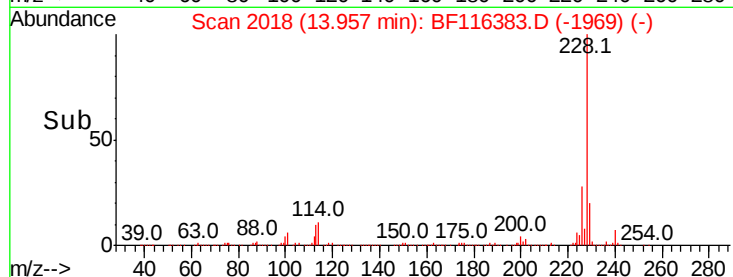
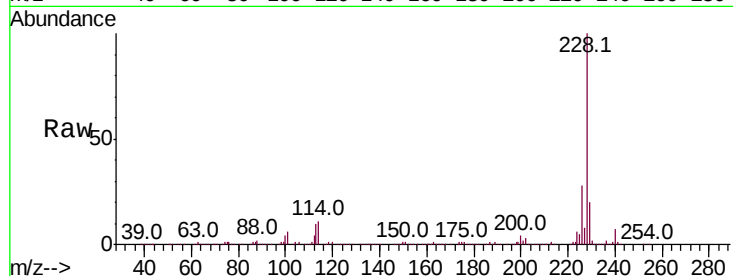
ClientSampleId :

PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 22.7  | 34.1  |
| 229     | 19.9  | 16.2  | 24.4  |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#82

3,3'-Dichlorobenzidine

Concen: 35.500 ng

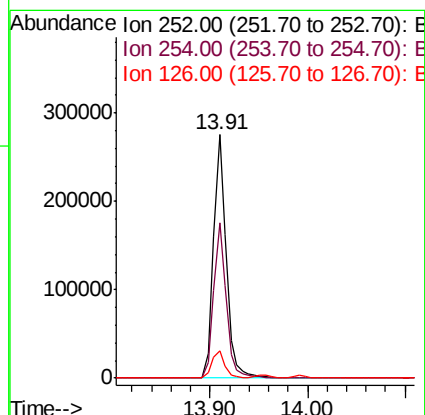
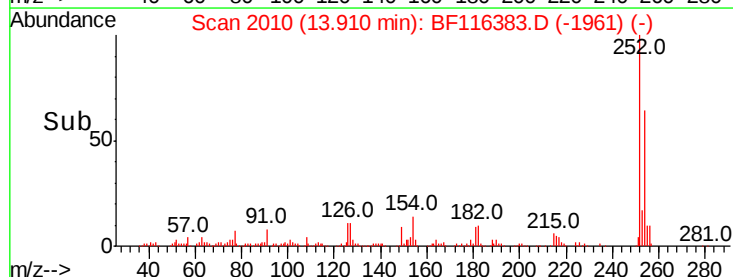
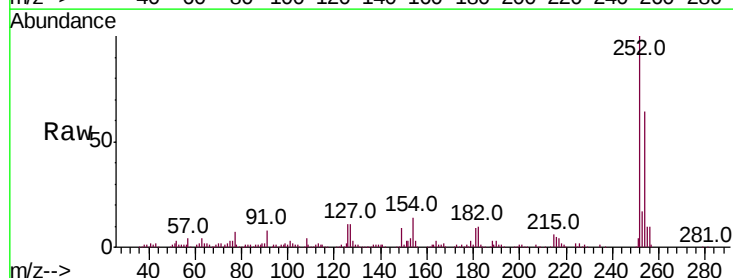
RT: 13.91 min Scan# 2010

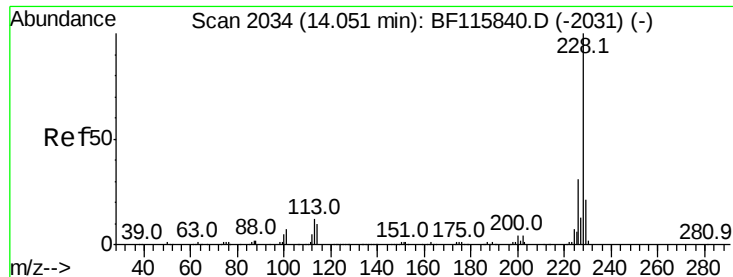
Delta R.T. -0.01 min

Lab File: BF116383.D

Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.7  | 50.9  | 76.3  |
| 126     | 11.4  | 9.8   | 14.8  |





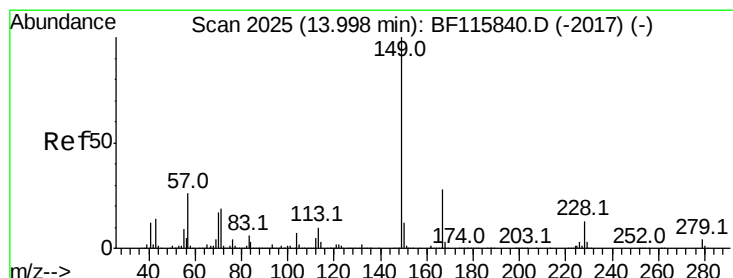
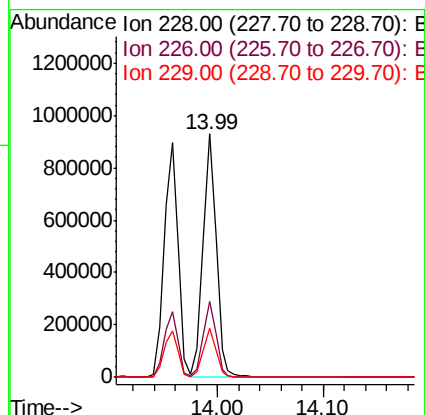
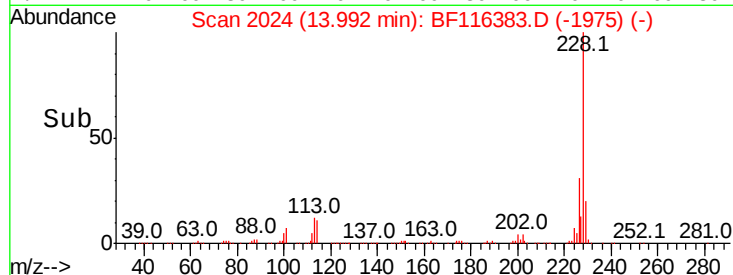
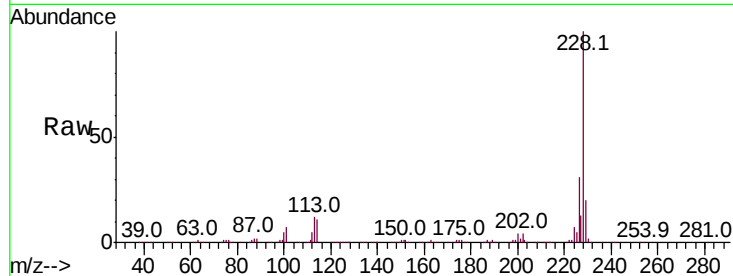
#83  
 Chrvsene  
 Concen: 40.623 ng  
 RT: 13.99 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122287BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 801842 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.4  | 25.5  | 38.3   |
| 229       | 20.4  | 16.6  | 24.8   |

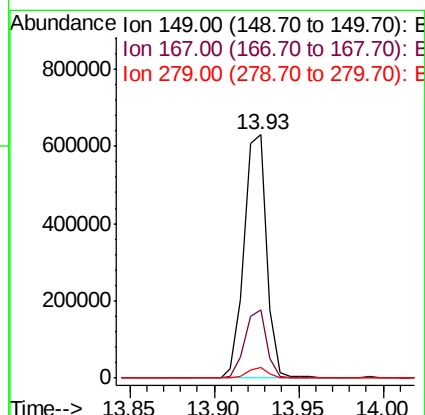
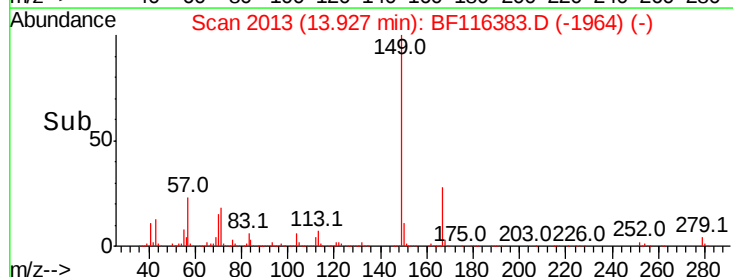
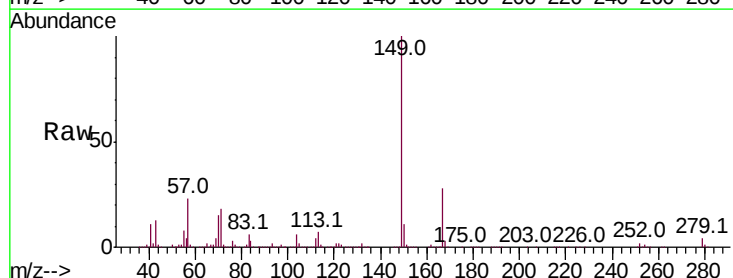
Manual Integrations  
 APPROVED

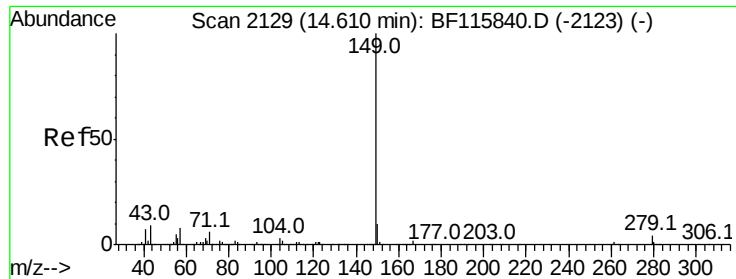
mohammad  
 8/22/2019 12:45:10 PM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.797 ng  
 RT: 13.93 min Scan# 2013  
 Delta R.T. -0.01 min  
 Lab File: BF116383.D  
 Acq: 19 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 590449 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 28.2  | 21.6  | 32.4   |
| 279       | 4.4   | 3.0   | 4.4    |





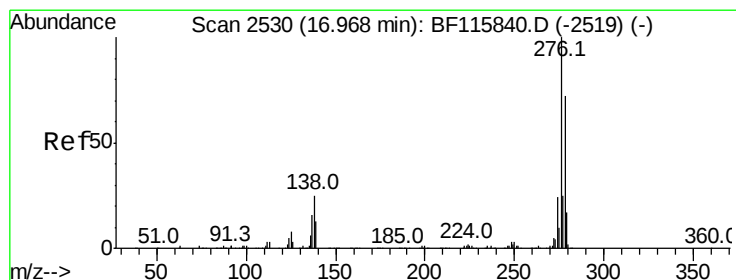
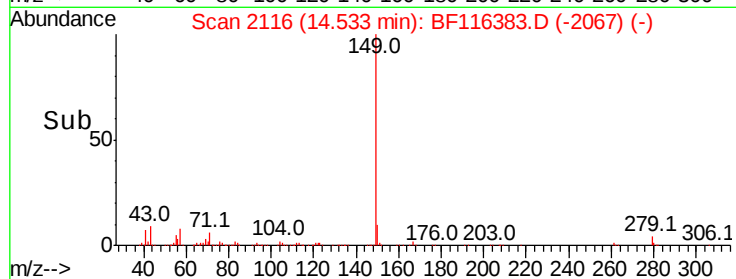
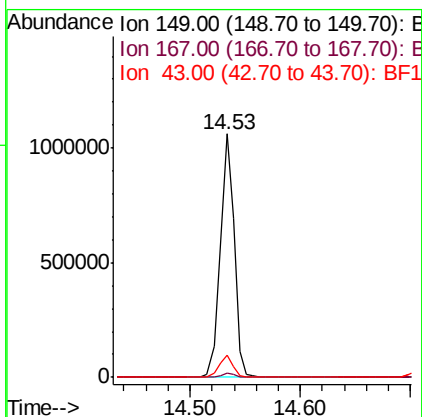
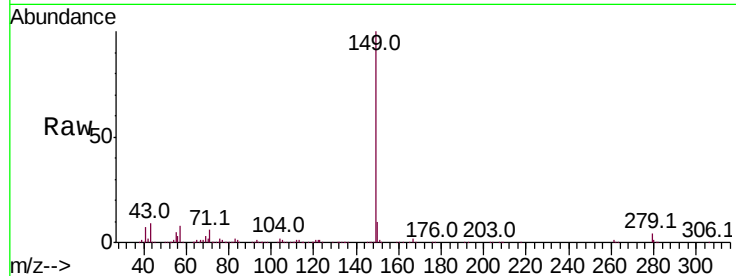
#85  
Di-n-octyl phthalate  
Concen: 44.737 ng  
RT: 14.53 min Scan# 2116  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 1.6   | 1.4        | 2.0   |
| 43      | 8.9   | 7.5        | 11.3  |

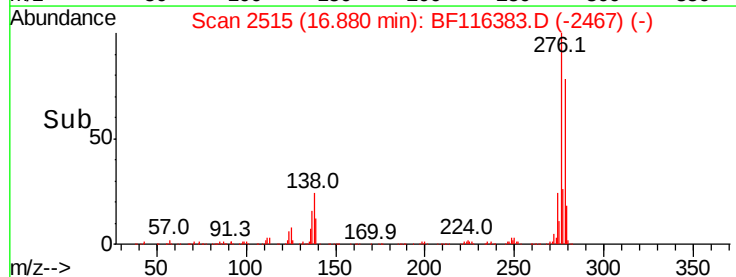
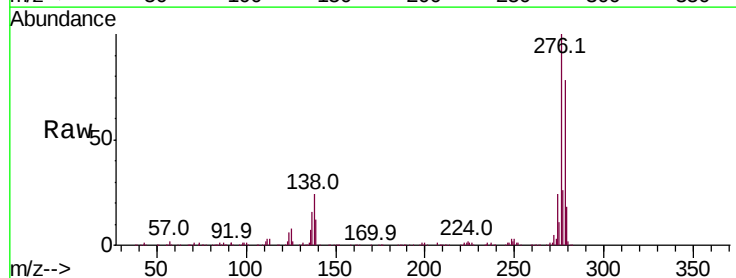
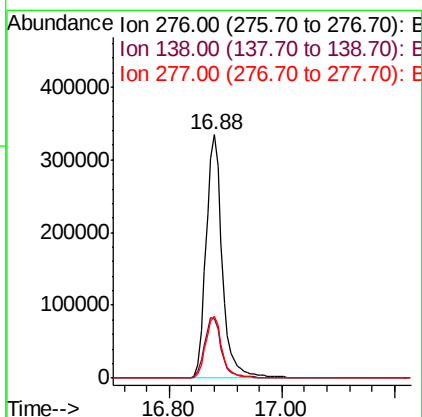
Manual Integrations  
APPROVED

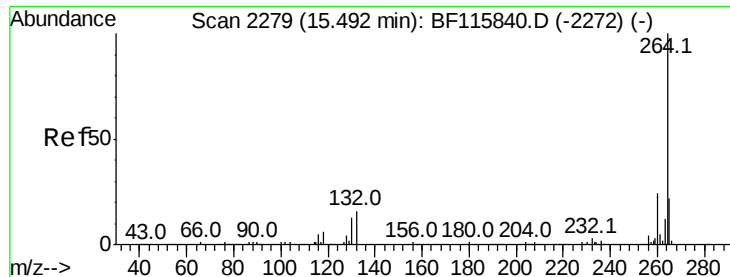
mohammad  
8/22/2019 12:45:10 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 40.247 ng  
RT: 16.88 min Scan# 2515  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 26.1  | 20.4       | 30.6  |
| 277     | 25.5  | 20.0       | 30.0  |





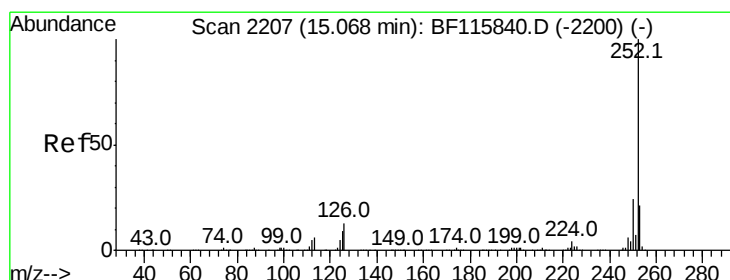
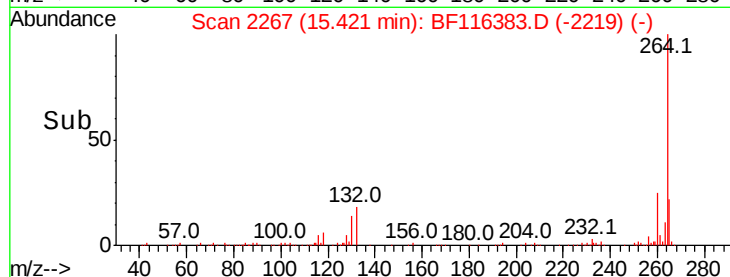
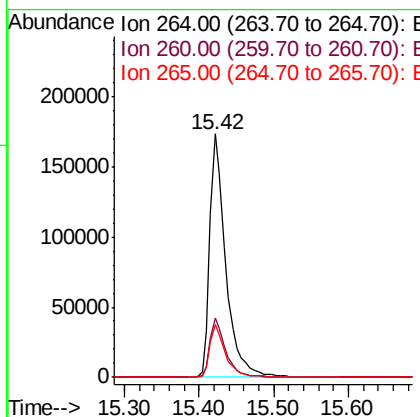
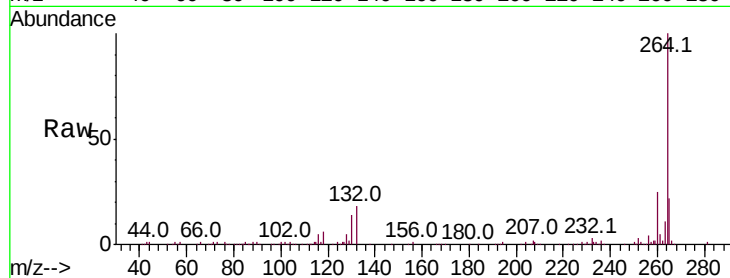
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.42 min Scan# 2267  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.7  | 29.5  |
| 265     | 22.0  | 17.4  | 26.0  |

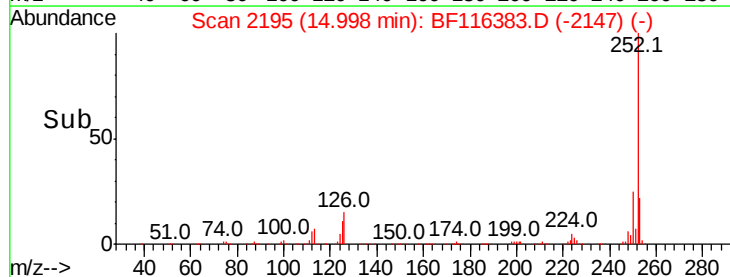
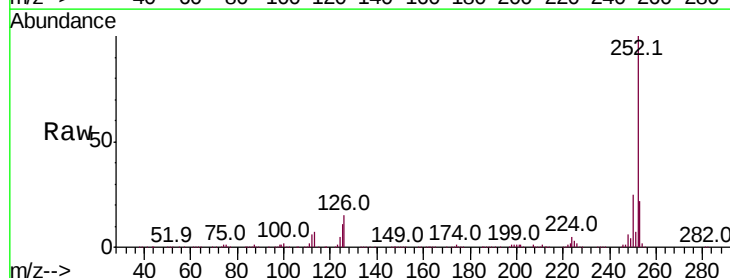
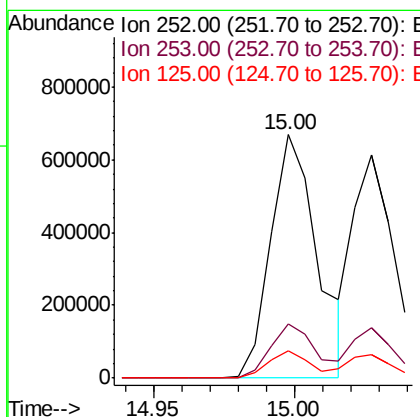
Manual Integrations  
APPROVED

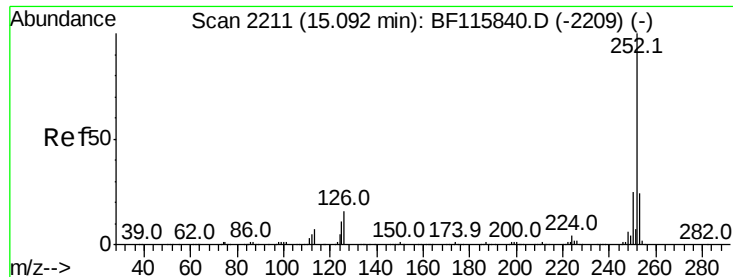
mohammad  
8/22/2019 12:45:10 PM



#88  
Benzo(b)fluoranthene  
Concen: 51.597 ng  
RT: 15.00 min Scan# 2195  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.8  | 26.8  |
| 125     | 11.0  | 8.4   | 12.6  |





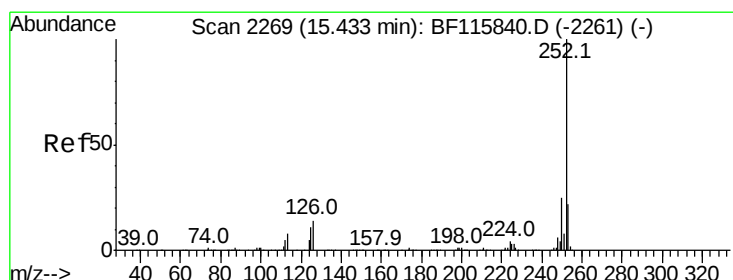
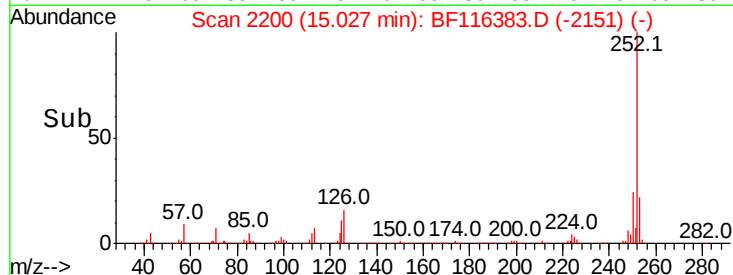
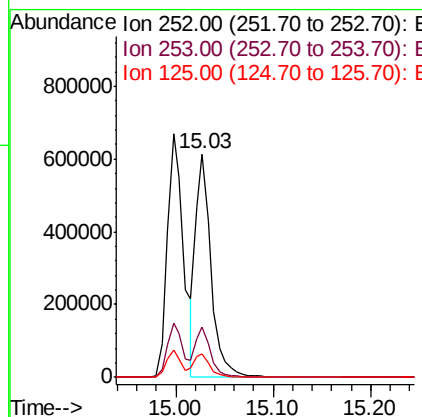
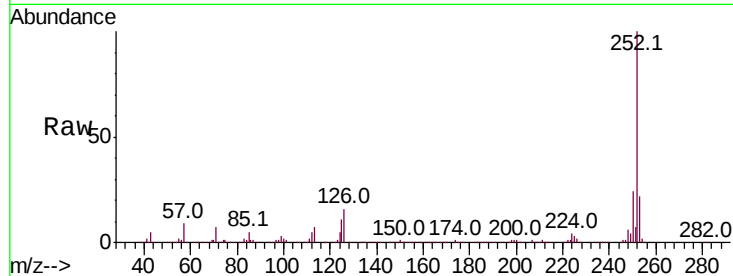
#89  
Benzo(k)fluoranthene  
Concen: 45.922 ng  
RT: 15.03 min Scan# 2200  
Delta R.T. -0.01 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 665858 |       |       |
| 253     | 22.2  |        | 17.8  | 26.8  |
| 125     | 10.7  |        | 7.7   | 11.5  |

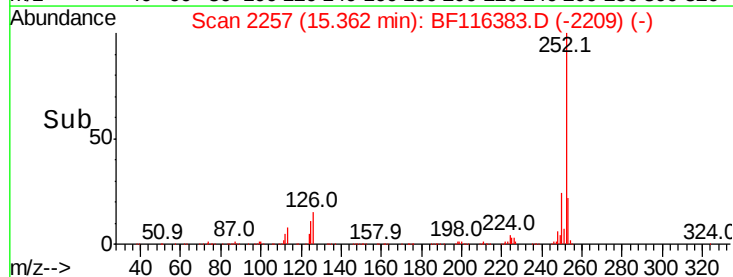
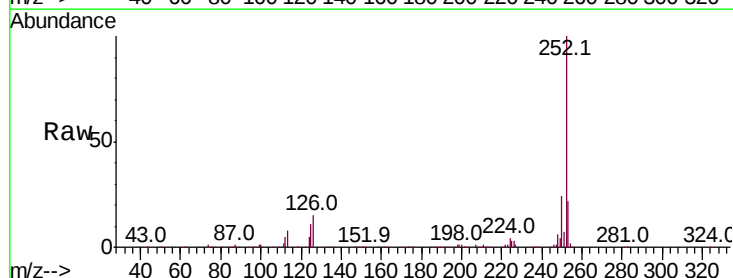
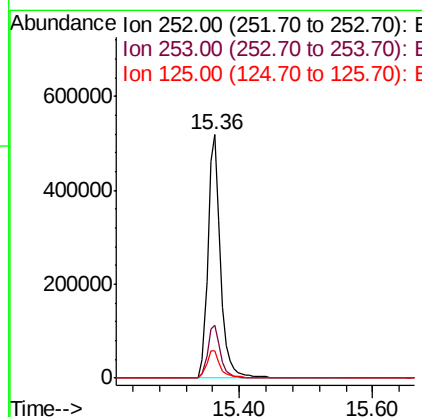
Manual Integrations  
APPROVED

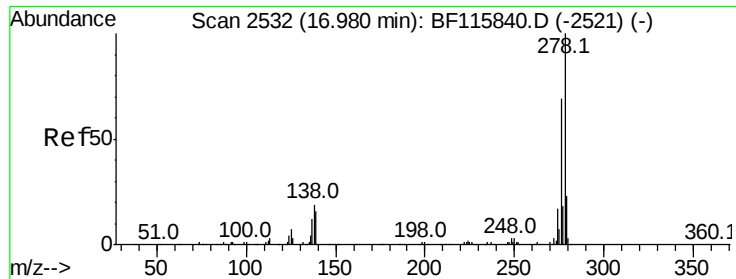
mohammad  
8/22/2019 12:45:10 PM



#90  
Benzo(a)pyrene  
Concen: 50.439 ng  
RT: 15.36 min Scan# 2257  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 671217 |       |       |
| 253     | 21.9  |        | 18.0  | 27.0  |
| 125     | 11.1  |        | 8.9   | 13.3  |





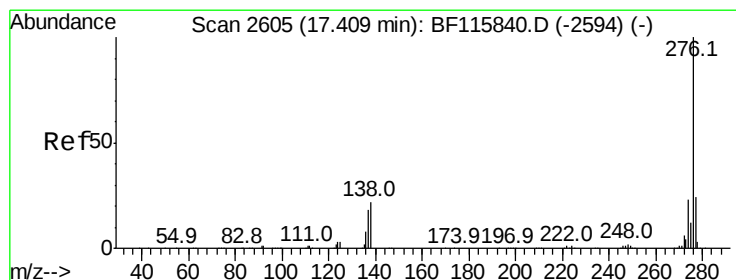
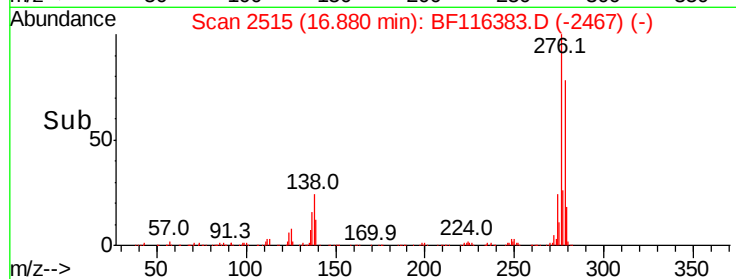
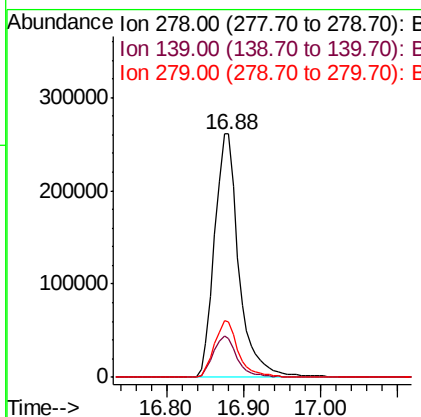
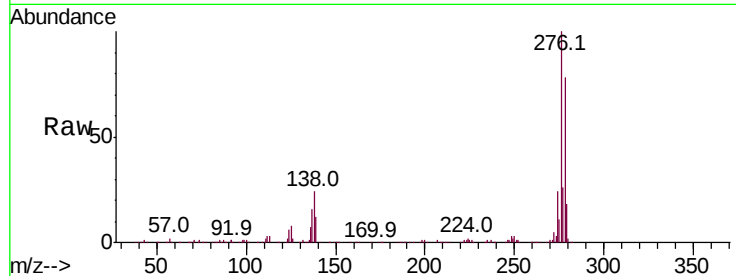
#91  
Dibenzo(a,h)anthracene  
Concen: 49.551 ng  
RT: 16.88 min Scan# 2515  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB122287BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.0  | 12.8  | 19.2  |
| 279     | 23.0  | 18.8  | 28.2  |

Manual Integrations  
APPROVED

mohammad  
8/22/2019 12:45:10 PM



#92  
Benzo(g,h,i)perylene  
Concen: 49.527 ng  
RT: 17.32 min Scan# 2589  
Delta R.T. -0.02 min  
Lab File: BF116383.D  
Acq: 19 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.2  | 18.4  | 27.6  |
| 138     | 21.9  | 17.0  | 25.6  |

