

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031620\  
 Data File : BG044817.D  
 Acq On : 16 Mar 2020 17:38  
 Operator : CG/JU  
 Sample : L1912-17MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

Manual Integrations  
 APPROVED

mohammad  
 3/18/2020 8:44:15 AM

Quant Time: Mar 16 18:23:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 17:37:15 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 87318    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.86 | 136  | 351105   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.68 | 164  | 249803   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.43 | 188  | 605132   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.70 | 240  | 519120   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.91 | 264  | 611550   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.62  | 112 | 571280  | 101.85 | ng | 0.00 |
| 7) Phenol-d6                | 7.20  | 99  | 794351  | 97.47  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.21  | 82  | 510556  | 63.81  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330 | 363006  | 110.98 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.31 | 172 | 1042558 | 59.77  | ng | 0.00 |
| 79) Terphenyl-d14           | 20.04 | 244 | 1760871 | 63.45  | ng | 0.00 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.51  | 88  | 88817   | 32.881 | ng | 98   |
| 3) Pyridine                    | 3.91  | 79  | 231745  | 28.981 | ng | 97   |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 112080  | 36.942 | ng | # 94 |
| 6) Aniline                     | 7.37  | 93  | 200727  | 19.794 | ng | 99   |
| 8) 2-Chlorophenol              | 7.62  | 128 | 254565  | 45.463 | ng | 98   |
| 9) Benzaldehyde                | 7.17  | 77  | 200340m | 40.518 | ng |      |
| 10) Phenol                     | 7.23  | 94  | 346879  | 42.992 | ng | 99   |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93  | 251705  | 39.089 | ng | 95   |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 273785  | 39.692 | ng | 96   |
| 13) 1,4-Dichlorobenzene        | 8.09  | 146 | 273047  | 40.041 | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 8.41  | 146 | 252864  | 39.098 | ng | 98   |
| 15) Benzyl Alcohol             | 8.28  | 79  | 265466  | 40.598 | ng | 96   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 382717  | 33.679 | ng | 99   |
| 17) 2-Methylphenol             | 8.49  | 107 | 236814  | 43.329 | ng | 96   |
| 18) Hexachloroethane           | 9.14  | 117 | 104962  | 39.096 | ng | 96   |
| 19) n-Nitroso-di-n-propylamine | 8.86  | 70  | 214675  | 37.305 | ng | 98   |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 323857  | 42.985 | ng | 96   |
| 22) Acetophenone               | 8.87  | 105 | 386359  | 38.843 | ng | 99   |
| 24) Nitrobenzene               | 9.25  | 77  | 324883  | 39.132 | ng | 97   |
| 25) Isophorone                 | 9.78  | 82  | 598648  | 38.336 | ng | 99   |
| 26) 2-Nitrophenol              | 9.97  | 139 | 138551  | 48.062 | ng | 98   |
| 27) 2,4-Dimethylphenol         | 10.02 | 122 | 235072  | 46.225 | ng | 98   |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93  | 342257  | 36.725 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 10.50 | 162 | 256036  | 43.105 | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 10.72 | 180 | 274835  | 38.696 | ng | 94   |
| 31) Naphthalene                | 10.91 | 128 | 765800  | 39.374 | ng | 99   |
| 32) Benzoic acid               | 10.15 | 122 | 162018  | 42.327 | ng | 98   |
| 33) 4-Chloroaniline            | 11.01 | 127 | 98066   | 11.191 | ng | 96   |
| 34) Hexachlorobutadiene        | 11.21 | 225 | 181914  | 38.949 | ng | 97   |
| 35) Caprolactam                | 11.77 | 113 | 101320m | 45.053 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 12.13 | 107 | 301222  | 42.520 | ng | 97   |
| 37) 2-Methylnaphthalene        | 12.52 | 142 | 566999  | 38.972 | ng | 98   |
| 38) 1-Methylnaphthalene        | 12.73 | 142 | 543421  | 39.730 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 304856  | 37.057 | ng | 98   |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

Manual Integrations  
 APPROVED

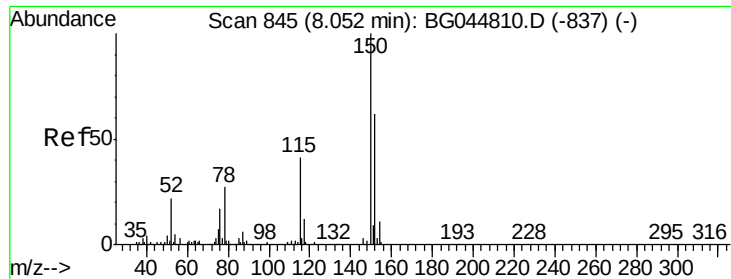
mohammad  
 3/18/2020 8:44:15 AM

Quant Time: Mar 16 18:23:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 17:37:15 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.87 | 237  | 419513   | 93.308 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 13.11 | 196  | 231139   | 42.335 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 13.19 | 196  | 247086   | 43.639 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.52 | 154  | 728388   | 36.488 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.56 | 162  | 558176   | 36.603 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.75 | 65   | 215781   | 40.418 | ng    | 97       |
| 49) Acenaphthylene             | 14.41 | 152  | 946824   | 39.632 | ng    | 99       |
| 50) Dimethylphthalate          | 14.14 | 163  | 907801   | 45.628 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.24 | 165  | 180262   | 44.949 | ng    | 97       |
| 52) Acenaphthene               | 14.75 | 154  | 688930   | 44.032 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.57 | 138  | 81724    | 17.725 | ng    | 87       |
| 54) 2,4-Dinitrophenol          | 14.78 | 184  | 198518   | 93.198 | ng    | 93       |
| 55) Dibenzofuran               | 15.08 | 168  | 906490   | 39.953 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.88 | 139  | 325025   | 92.368 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 15.04 | 165  | 251630   | 45.750 | ng    | 100      |
| 58) Fluorene                   | 15.73 | 166  | 751709   | 40.275 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.31 | 232  | 244303m  | 46.865 | ng    |          |
| 60) Diethylphthalate           | 15.51 | 149  | 830551   | 40.025 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204  | 406450   | 40.443 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.74 | 138  | 192903   | 39.236 | ng    | 97       |
| 63) Azobenzene                 | 16.02 | 77   | 839699   | 38.967 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 144901   | 50.420 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.94 | 169  | 692265   | 37.998 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.62 | 248  | 290948   | 38.460 | ng    | 99       |
| 68) Hexachlorobenzene          | 16.74 | 284  | 313125   | 38.152 | ng    | 99       |
| 69) Atrazine                   | 16.89 | 200  | 288875   | 43.278 | ng    | 98       |
| 70) Pentachlorophenol          | 17.08 | 266  | 404723   | 89.625 | ng    | 99       |
| 71) Phenanthrene               | 17.47 | 178  | 1270697  | 39.295 | ng    | 99       |
| 72) Anthracene                 | 17.56 | 178  | 1300206  | 40.776 | ng    | 97       |
| 73) Carbazole                  | 17.83 | 167  | 1226916  | 40.057 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.40 | 149  | 1470538  | 39.495 | ng    | 99       |
| 75) Fluoranthene               | 19.48 | 202  | 1540232  | 40.003 | ng    | 100      |
| 77) Benzidine                  | 19.65 | 184  | 400831   | 23.784 | ng    | 99       |
| 78) Pyrene                     | 19.84 | 202  | 1533645  | 40.268 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.73 | 149  | 653032   | 38.541 | ng    | 100      |
| 81) Benzo(a)anthracene         | 21.68 | 228  | 1467265  | 39.252 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.59 | 252  | 288126   | 19.924 | ng    | 98       |
| 83) Chrysene                   | 21.75 | 228  | 1379798  | 38.642 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 913703   | 39.073 | ng    | 96       |
| 85) Di-n-octyl phthalate       | 22.82 | 149  | 1564934  | 39.992 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.57 | 276  | 1864321  | 39.825 | ng    | # 93     |
| 88) Benzo(b)fluoranthene       | 23.90 | 252  | 1538363  | 38.104 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 23.96 | 252  | 1523733  | 39.881 | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.76 | 252  | 1434252  | 37.966 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 28.63 | 278  | 1513162  | 40.600 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.70 | 276  | 1533960  | 40.738 | ng    | 98       |

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





#1

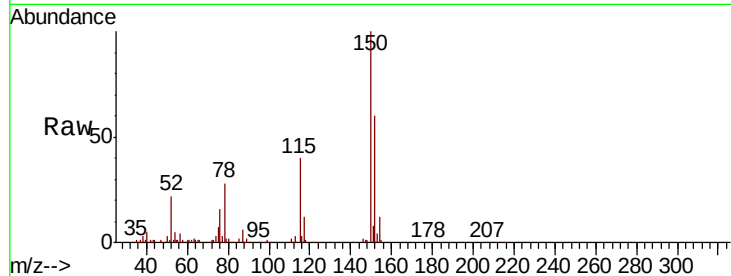
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 165.7 | 128.8 | 193.2 |
| 115     | 66.6  | 52.6  | 79.0  |

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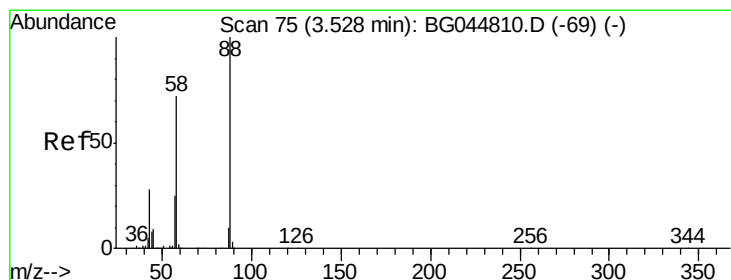
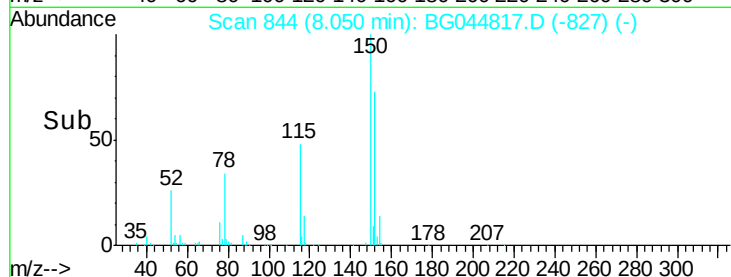
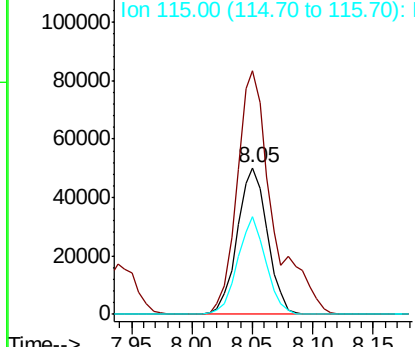


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

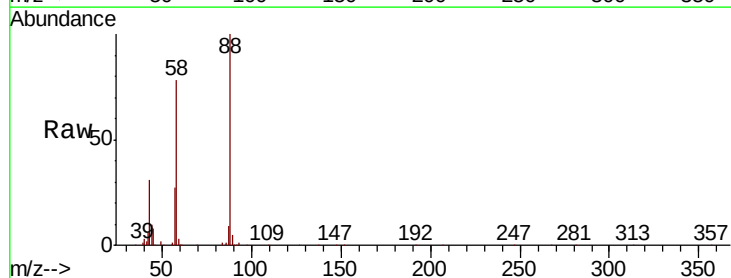
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 32.881 ng  
RT: 3.51 min Scan# 72  
Delta R.T. -0.01 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 81.7  | 63.0  | 94.4  |
| 43      | 30.9  | 24.8  | 37.2  |

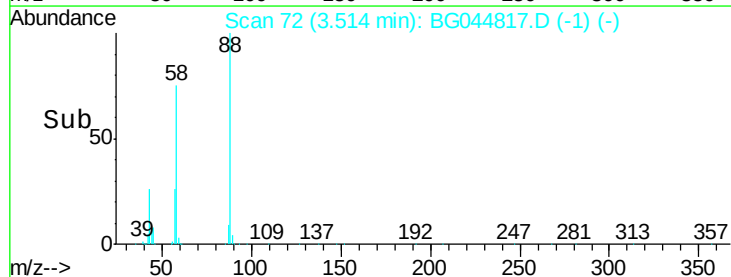
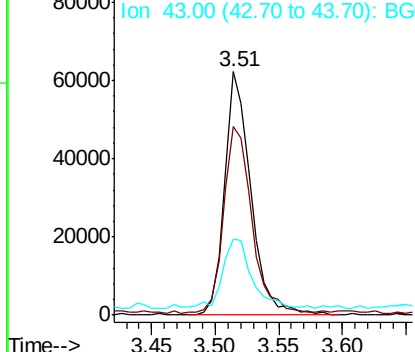


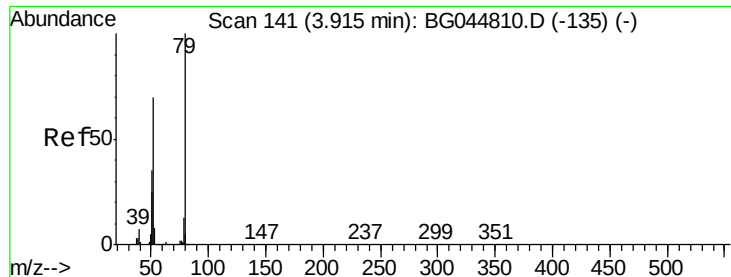
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 28.981 ng

RT: 3.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

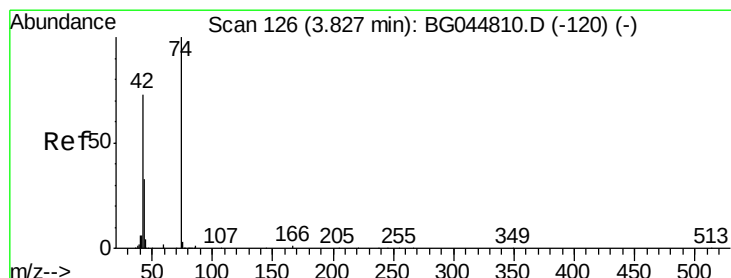
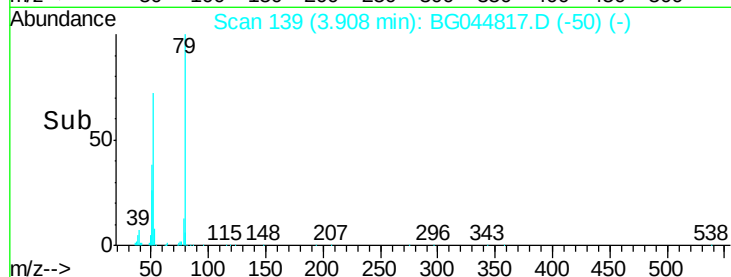
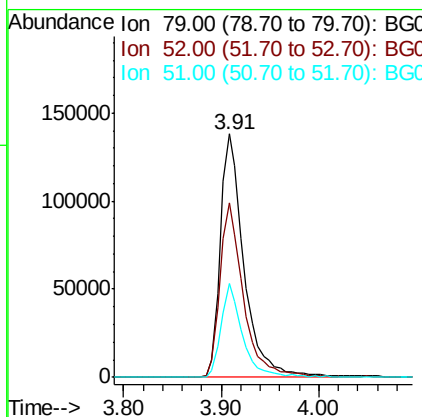
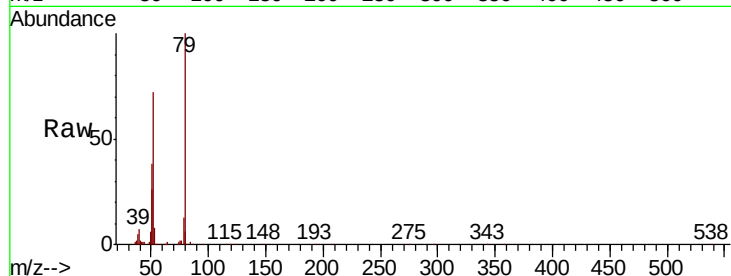
ClientSampleId :

Z1-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 231745 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 71.6  | 56.3  | 84.5   |
| 51        | 38.4  | 28.1  | 42.1   |

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#4

n-Nitrosodimethylamine

Concen: 36.942 ng

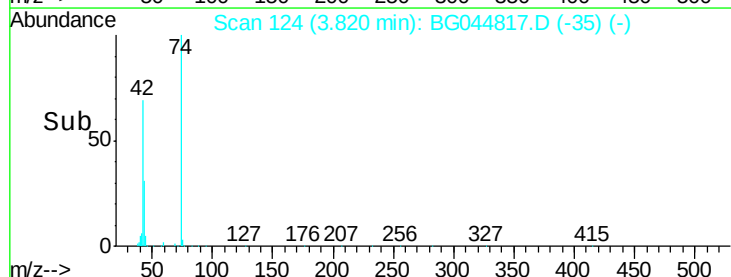
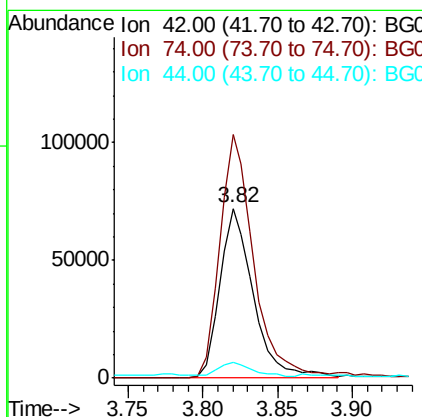
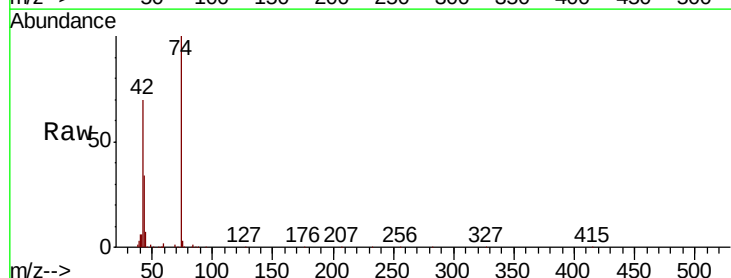
RT: 3.82 min Scan# 124

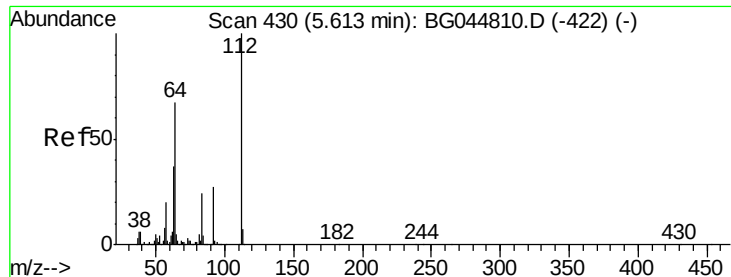
Delta R.T. -0.01 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 112080 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 143.2 | 109.1 | 163.7  |
| 44        | 9.5   | 5.4   | 8.2    |





#5

2-Fluorophenol

Concen: 101.847 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

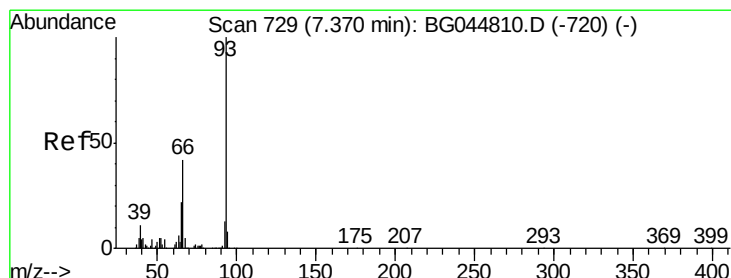
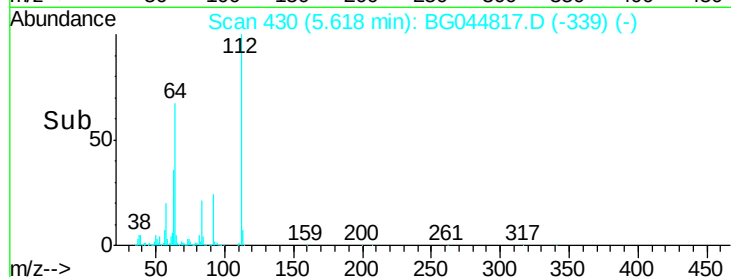
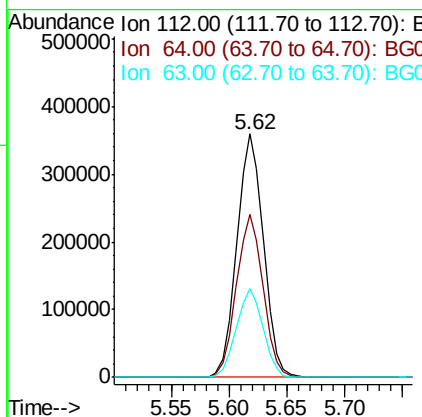
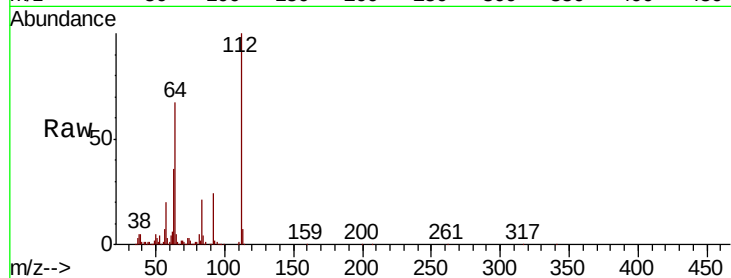
ClientSampleId :

Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 571280 |       |       |
| 64      | 66.8  | 53.4   | 80.2  |       |
| 63      | 36.5  | 29.4   | 44.2  |       |

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#6

Aniline

Concen: 19.794 ng

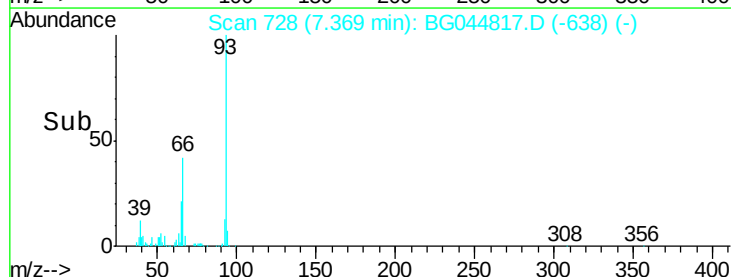
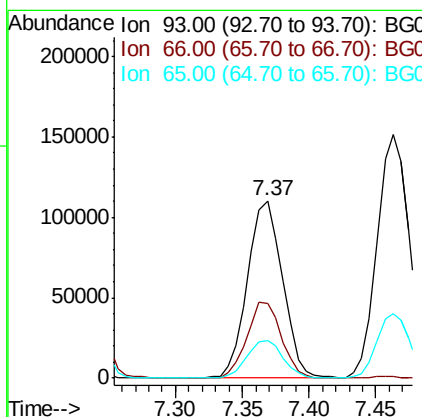
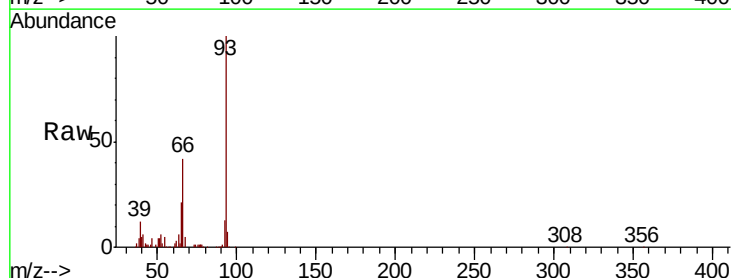
RT: 7.37 min Scan# 728

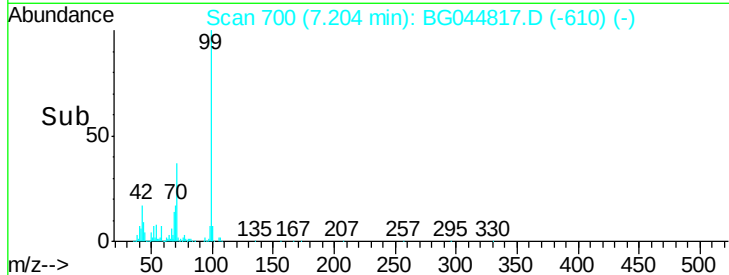
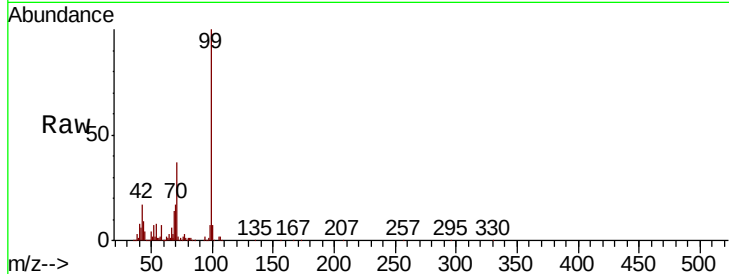
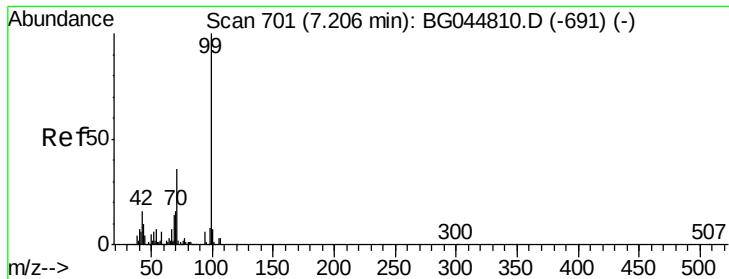
Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 200727 |       |       |
| 66      | 41.8  | 33.7   | 50.5  |       |
| 65      | 21.5  | 17.7   | 26.5  |       |





#7

Phenol-d6

Concen: 97.469 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 794351 |       |       |
| 42      | 16.6 | 12.6  | 19.0   |       |       |
| 71      | 37.4 | 29.0  | 43.4   |       |       |

Instrument :

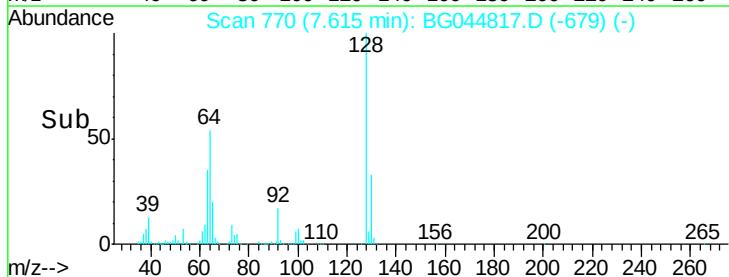
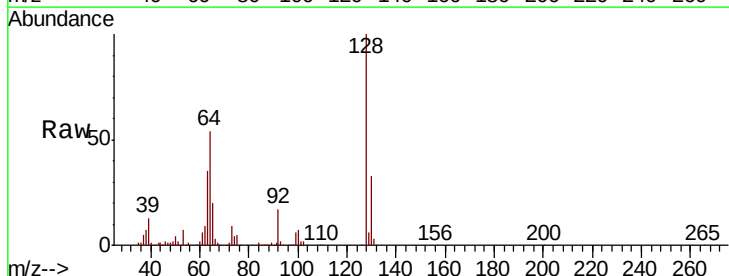
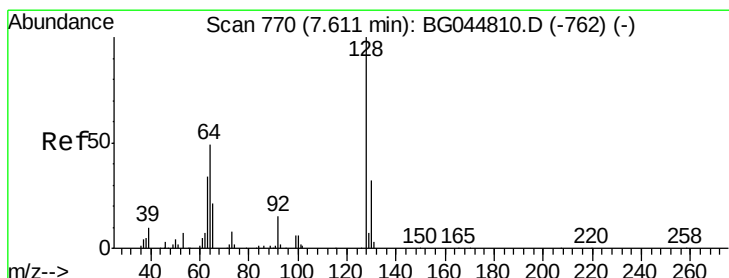
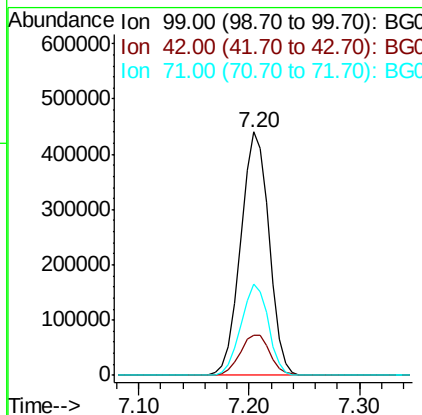
BNA\_G

ClientSampled :

Z1-3MSD

Manual Integrations  
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#8

2-Chlorophenol

Concen: 45.463 ng

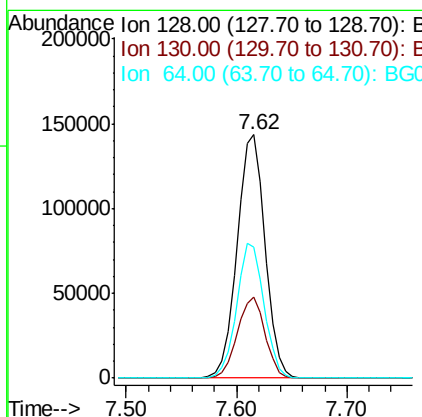
RT: 7.62 min Scan# 770

Delta R.T. 0.00 min

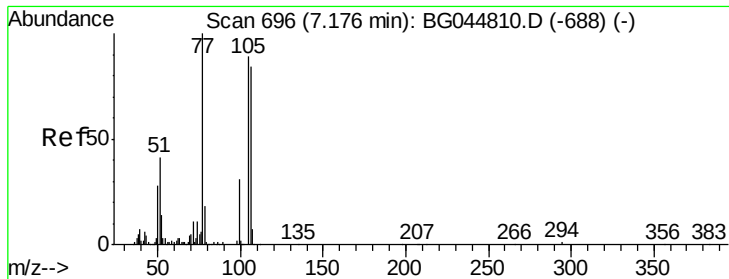
Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 254565 |       |       |
| 130     | 33.5 | 11.6  | 51.6   |       |       |
| 64      | 54.0 | 34.5  | 74.5   |       |       |







#9

Benzaldehyde

Concen: 40.518 ng/ml

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

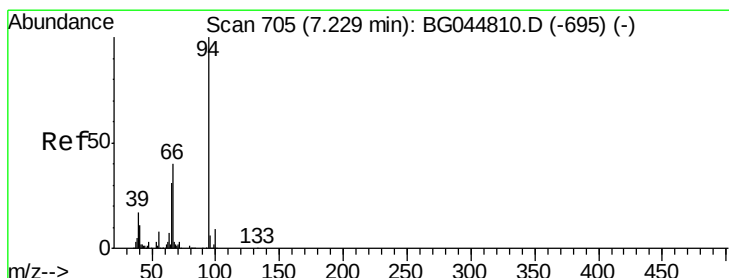
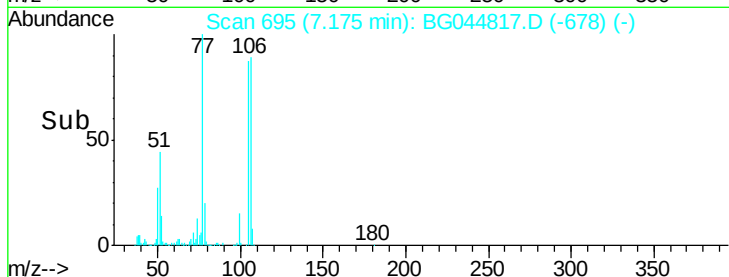
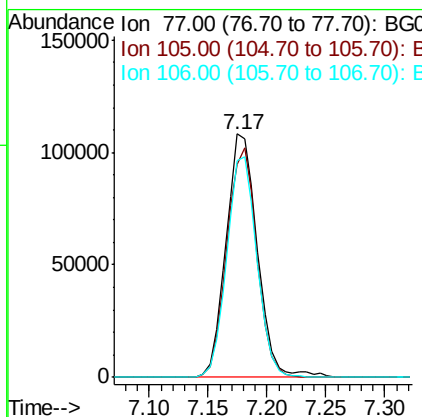
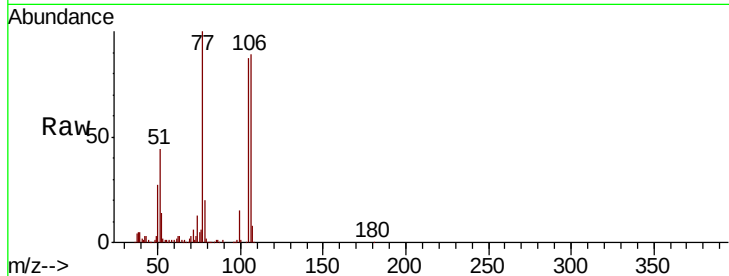
ClientSampleId :

Z1-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 200340 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 87.3  | 69.3  | 109.3  |
| 106       | 88.8  | 64.5  | 104.5  |

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#10

Phenol

Concen: 42.992 ng/ml

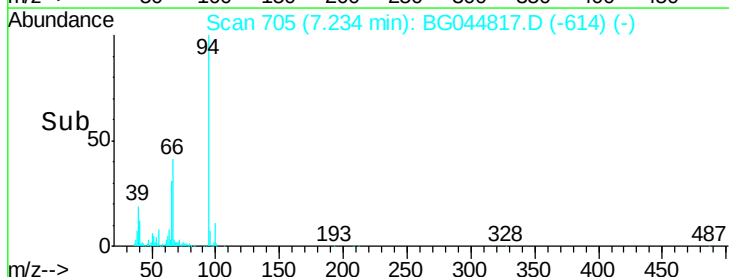
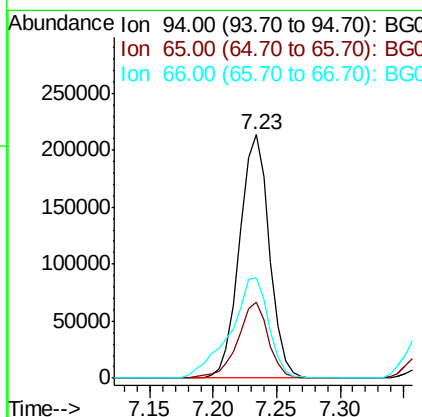
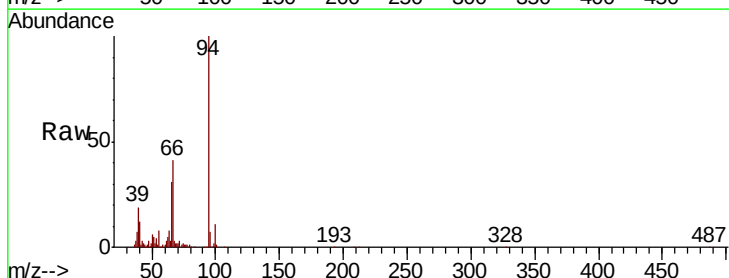
RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

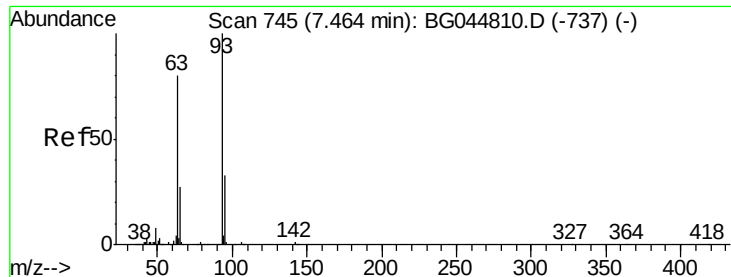
Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 346879 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 30.9  | 11.0  | 51.0   |
| 66        | 41.0  | 20.1  | 60.1   |







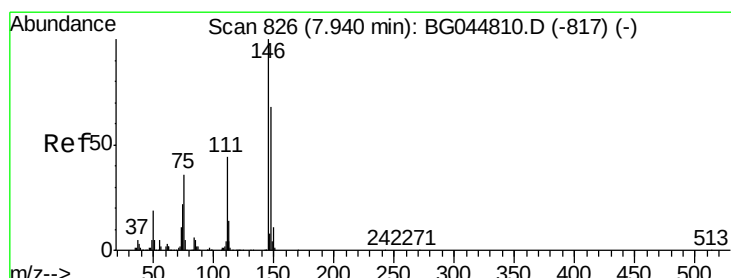
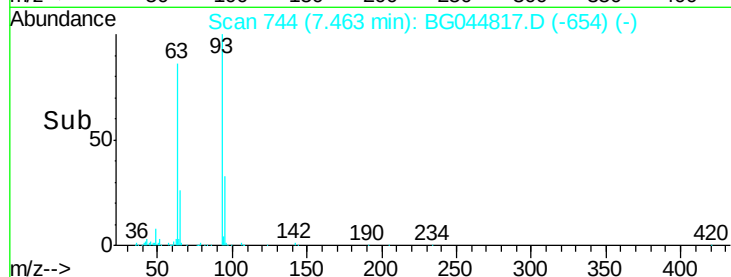
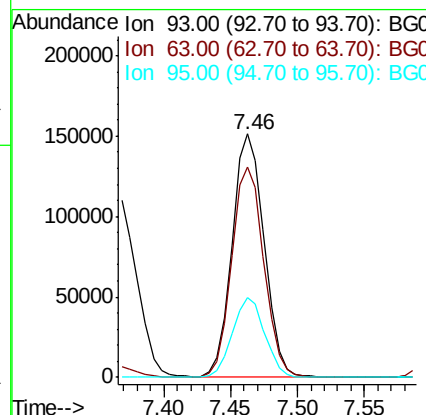
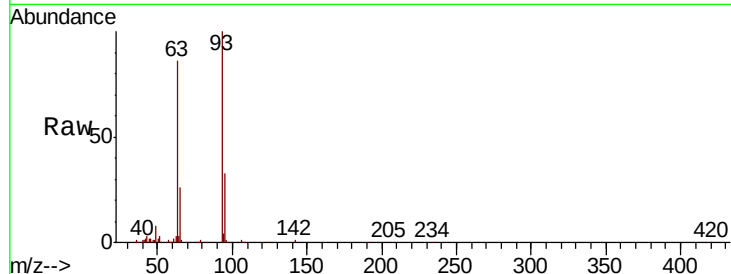
#11  
bis(2-Chloroethyl)ether  
Concen: 39.089 ng  
RT: 7.46 min Scan# 744  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 86.2  | 59.7  | 99.7  |
| 95      | 33.0  | 13.1  | 53.1  |

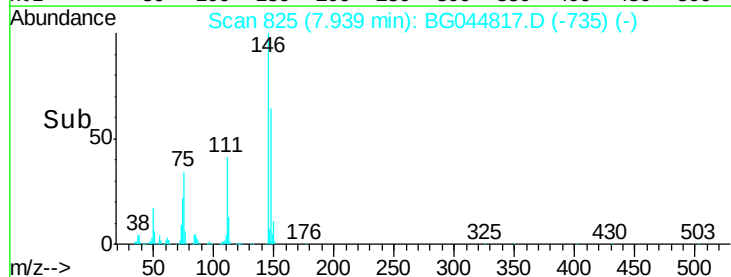
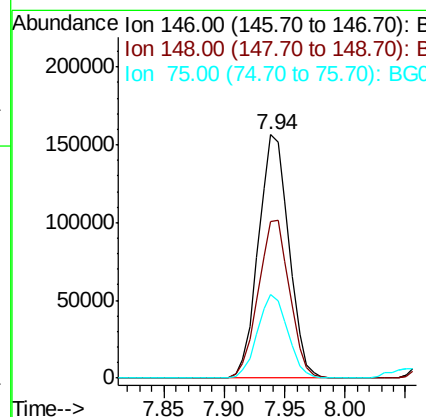
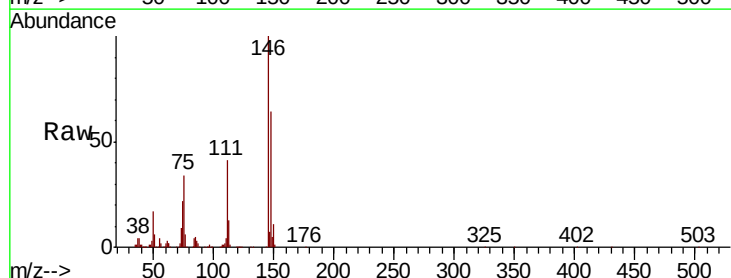
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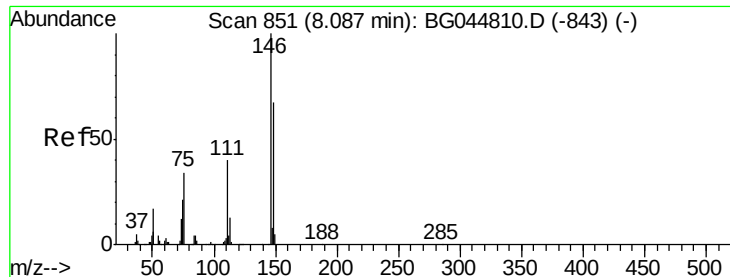
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 39.692 ng  
RT: 7.94 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 54.2  | 81.4  |
| 75      | 34.1  | 28.6  | 42.8  |





#13

1,4-Dichlorobenzene

Concen: 40.041 ng

RT: 8.09 min Scan# 850

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

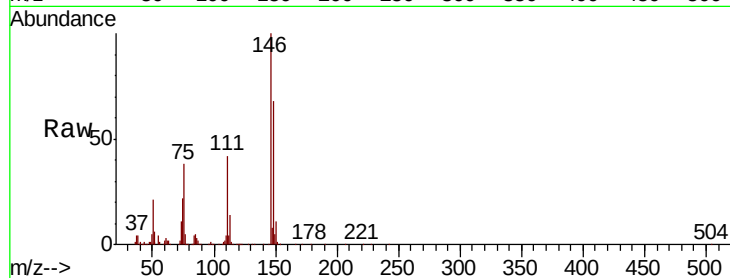
ClientSampleId :

Z1-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 273047 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 67.6  | 53.8  | 80.6   |
| 111       | 41.8  | 32.0  | 48.0   |

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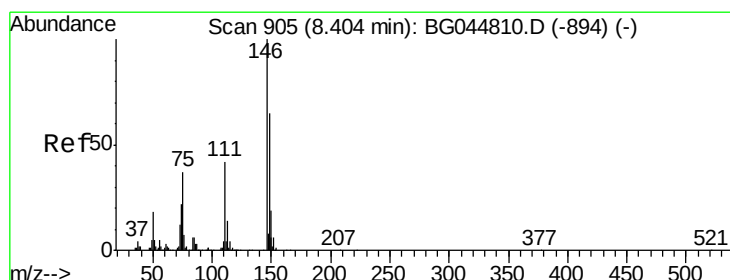
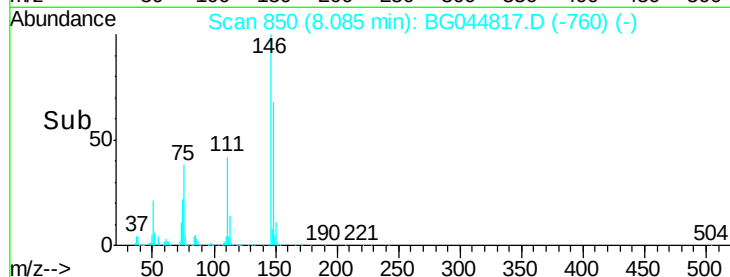
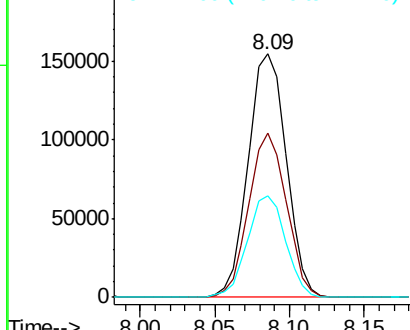


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.098 ng

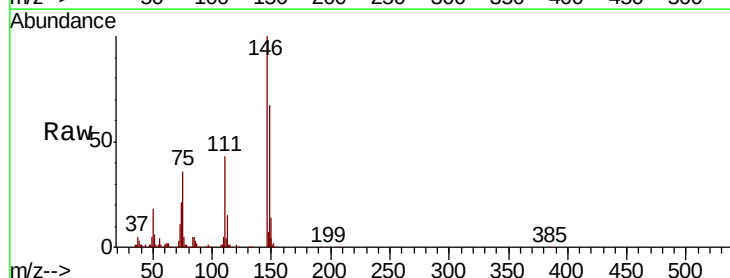
RT: 8.41 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 252864 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 66.6  | 52.1  | 78.1   |
| 111       | 43.4  | 33.4  | 50.2   |

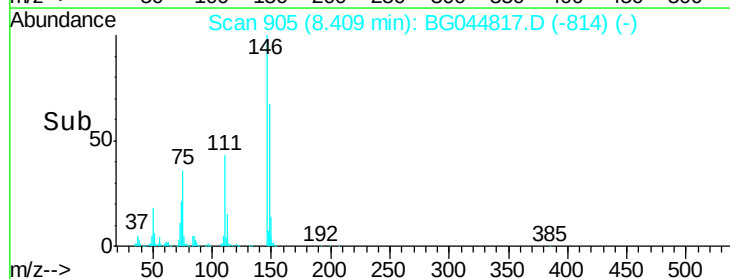
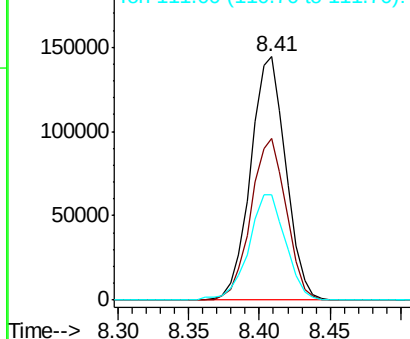


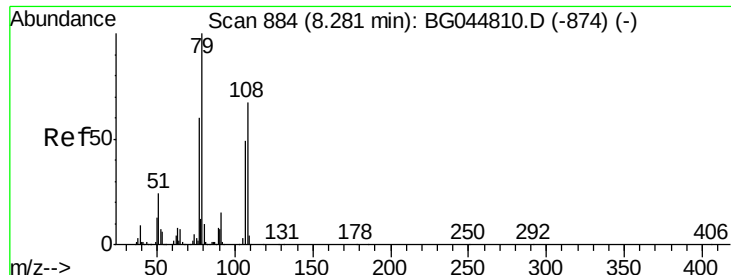
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





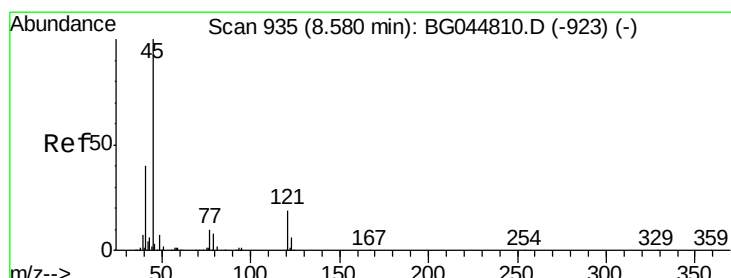
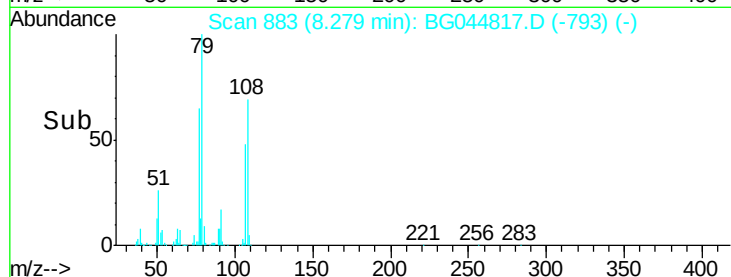
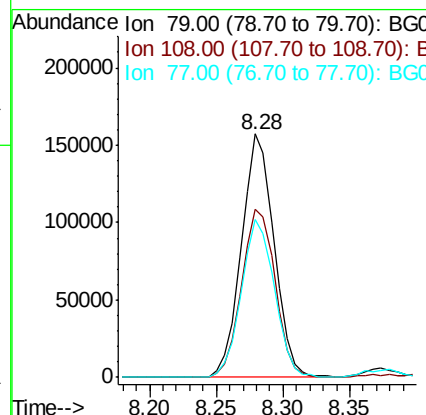
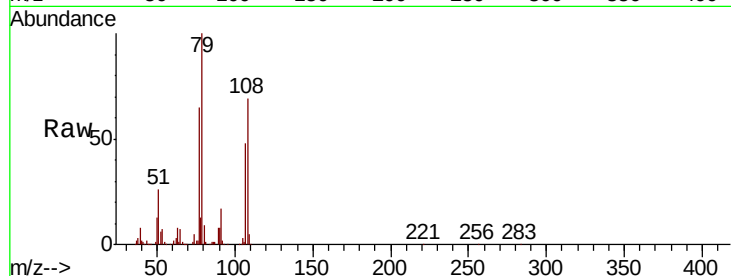
#15  
Benzyl Alcohol  
Concen: 40.598 ng  
RT: 8.28 min Scan# 883  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 69.3  | 53.8  | 80.8  |
| 77      | 64.7  | 47.8  | 71.8  |

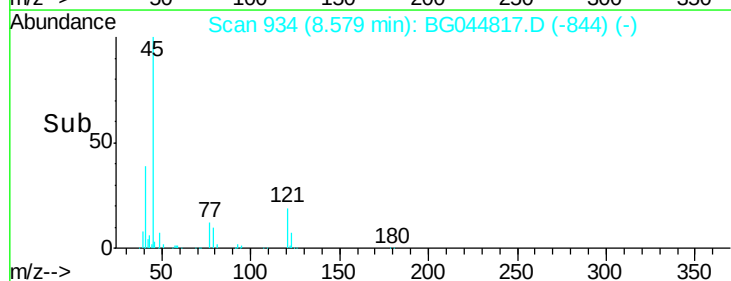
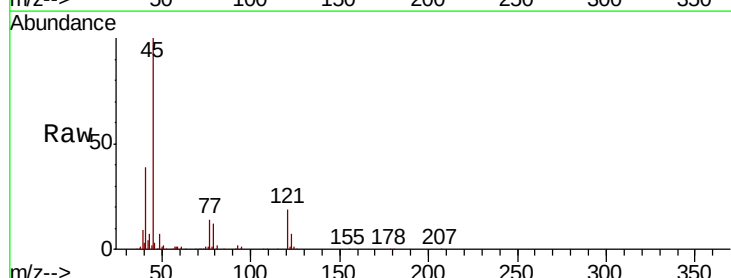
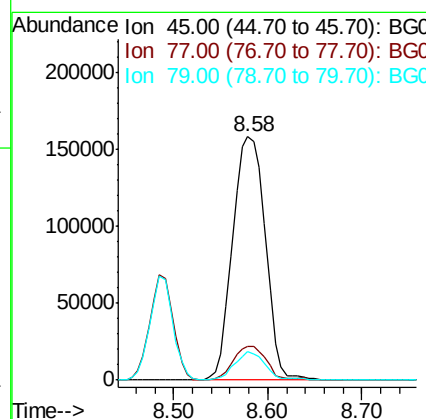
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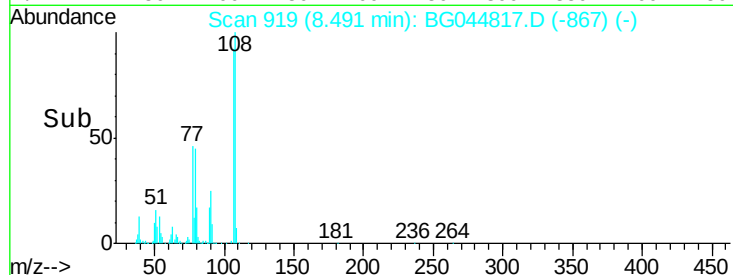
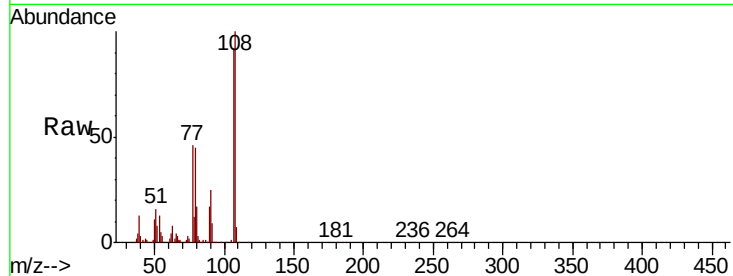
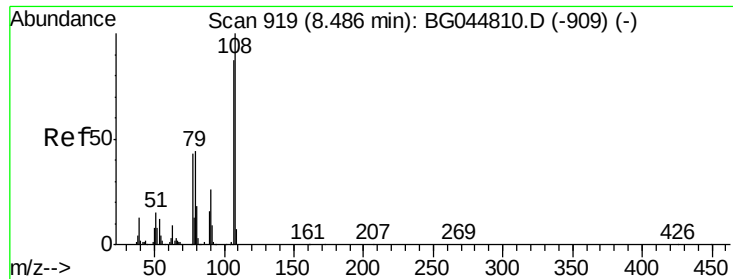
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 33.679 ng  
RT: 8.58 min Scan# 934  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 14.0  | 0.0   | 33.9  |
| 79      | 11.6  | 0.0   | 30.8  |





#17

2-Methylphenol

Concen: 43.329 ng

RT: 8.49 min Scan# 919

Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 108.5 | 91.8 | 137.8 |       |
| 77      | 49.5  | 40.0 | 60.0  |       |
| 79      | 48.7  | 40.2 | 60.2  |       |

Instrument :

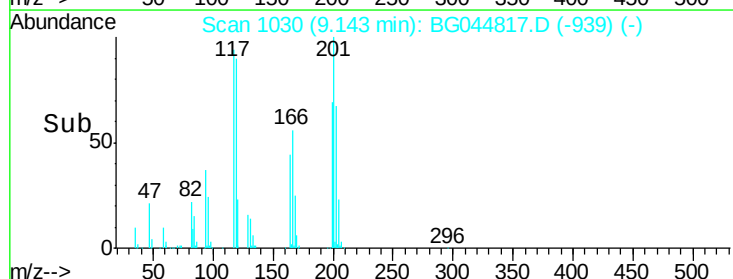
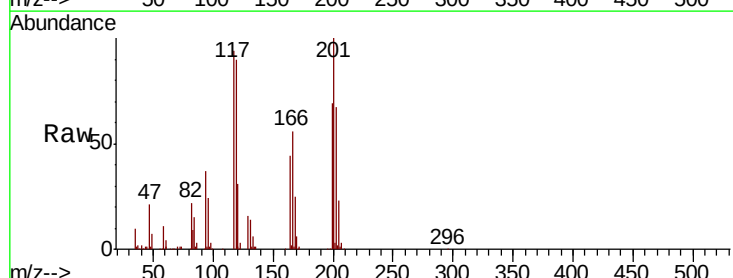
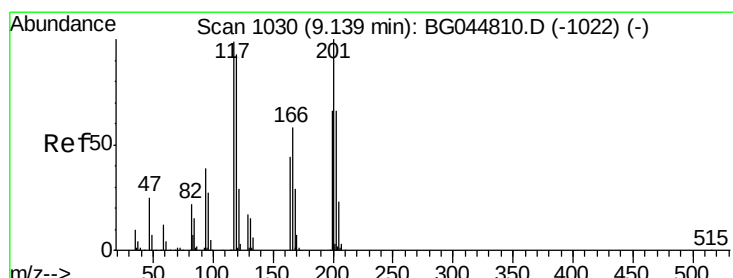
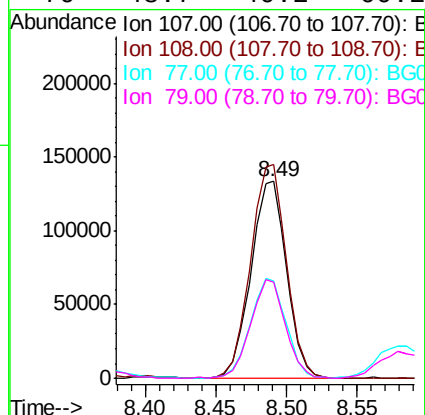
BNA\_G

ClientSampleId :

Z1-3MSD

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#18

Hexachloroethane

Concen: 39.096 ng

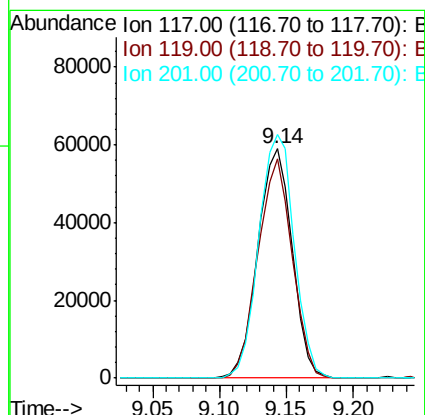
RT: 9.14 min Scan# 1030

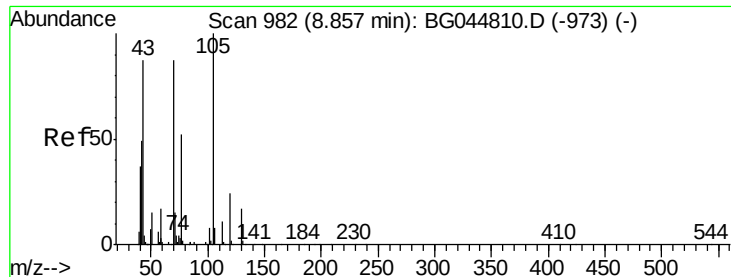
Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.0  | 75.2 | 112.8 |       |
| 201     | 106.3 | 81.1 | 121.7 |       |





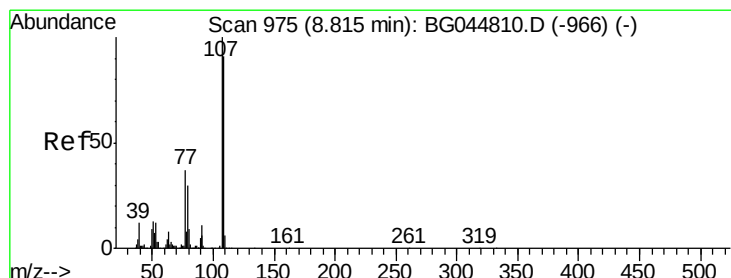
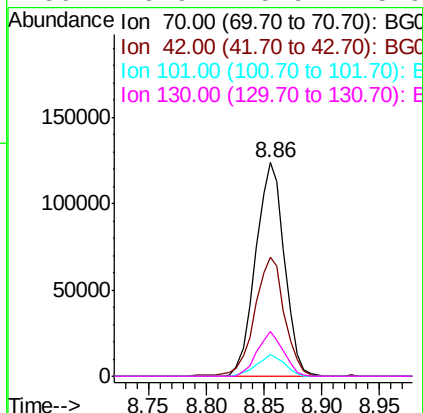
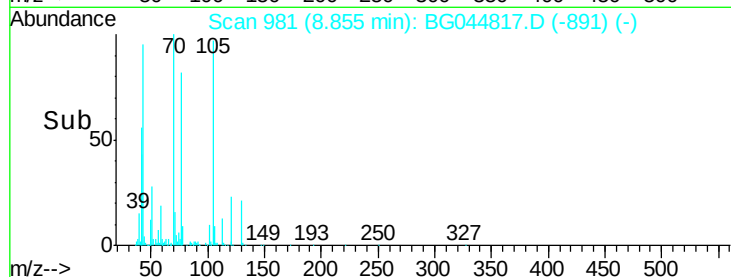
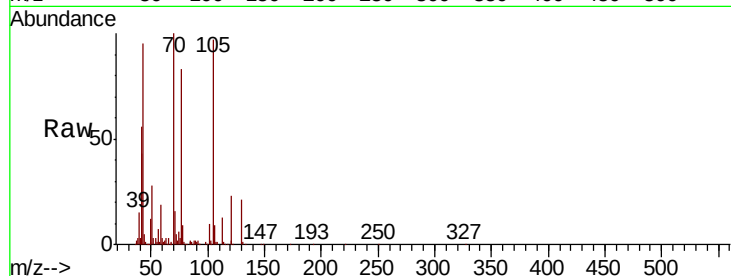
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.305 ng  
RT: 8.86 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 55.9 | 45.7  | 68.5  |       |
| 101     | 10.0 | 7.4   | 11.2  |       |
| 130     | 20.9 | 15.9  | 23.9  |       |

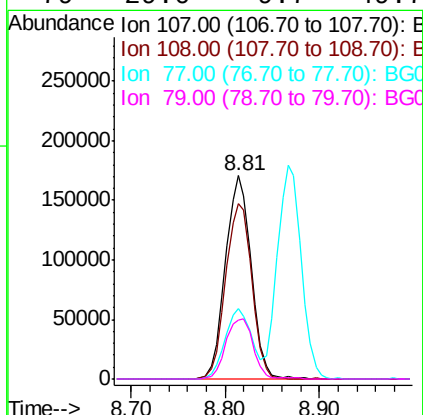
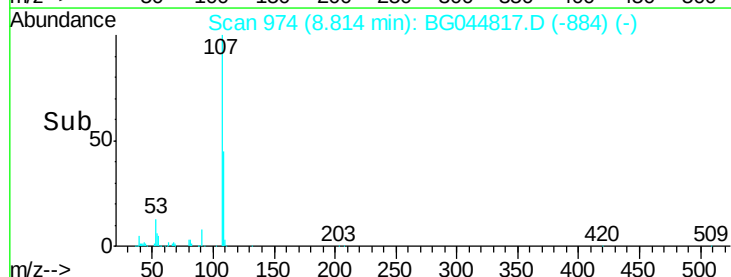
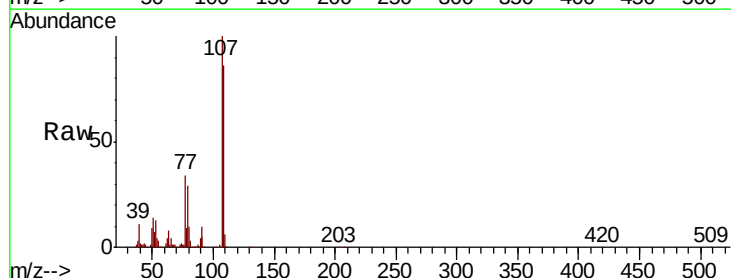
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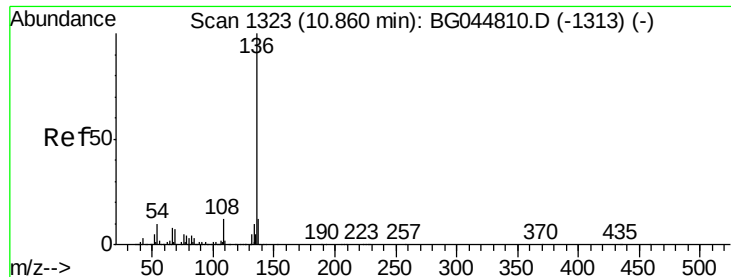
mohammad  
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#20  
3+4-Methylphenols  
Concen: 42.985 ng  
RT: 8.81 min Scan# 974  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 86.1 | 71.3  | 111.3 |       |
| 77      | 34.4 | 16.9  | 56.9  |       |
| 79      | 29.0 | 9.7   | 49.7  |       |





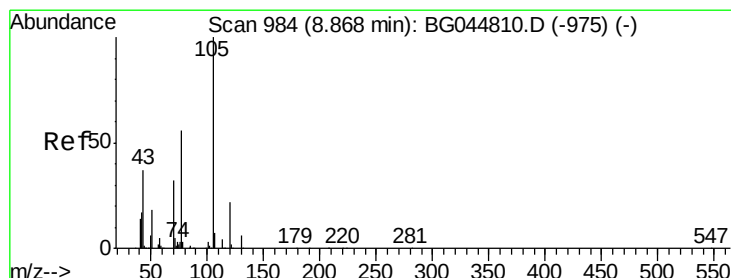
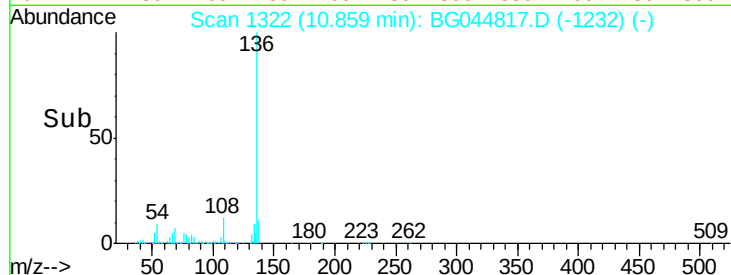
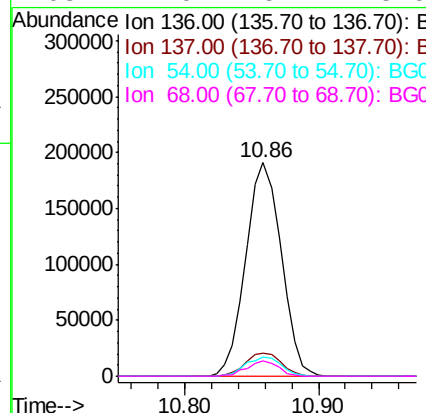
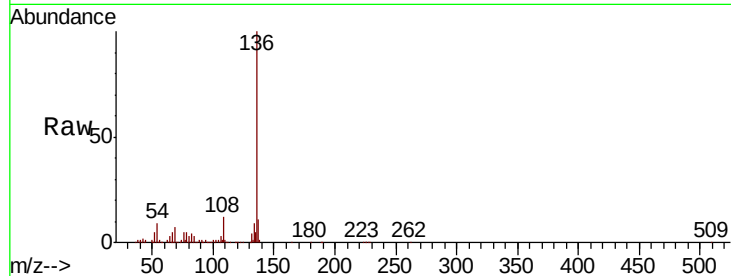
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1322  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 351105 |       |       |
| 137     | 10.8  |        | 9.8   | 14.6  |
| 54      | 9.3   |        | 7.9   | 11.9  |
| 68      | 7.0   |        | 5.4   | 8.0   |

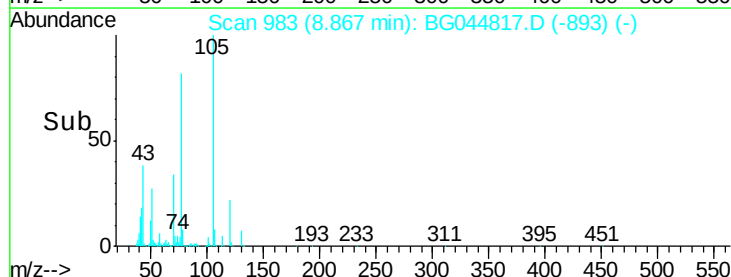
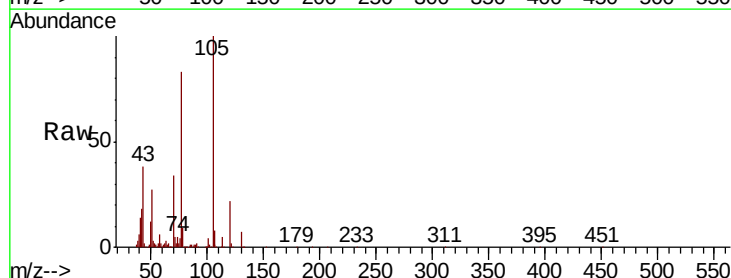
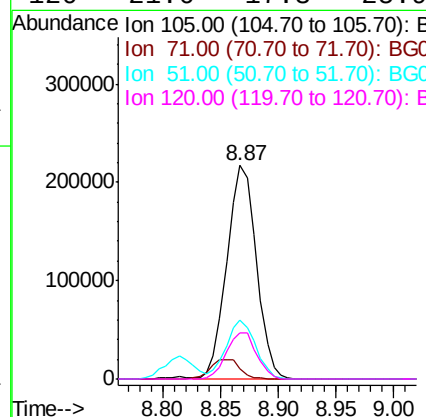
Manual Integrations  
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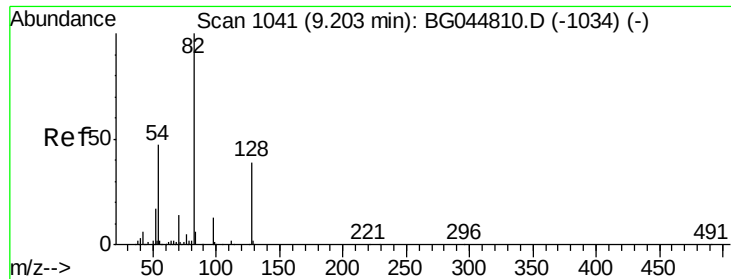
mohammad  
3/18/2020 8:44:15 AM



#22  
Acetophenone  
Concen: 38.843 ng  
RT: 8.87 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 386359 |       |       |
| 71      | 5.0   |        | 3.9   | 5.9   |
| 51      | 27.3  |        | 22.6  | 33.8  |
| 120     | 21.6  |        | 17.3  | 25.9  |





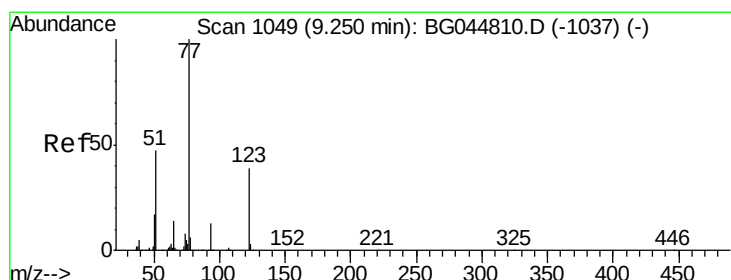
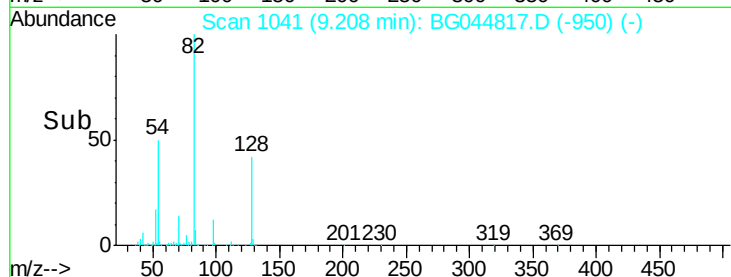
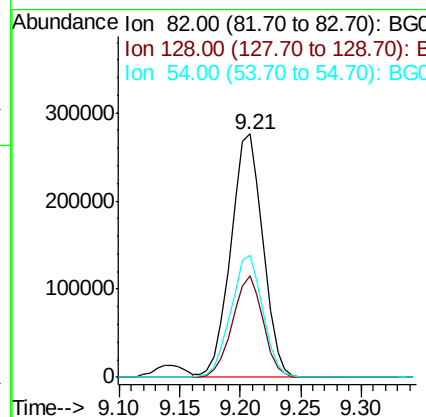
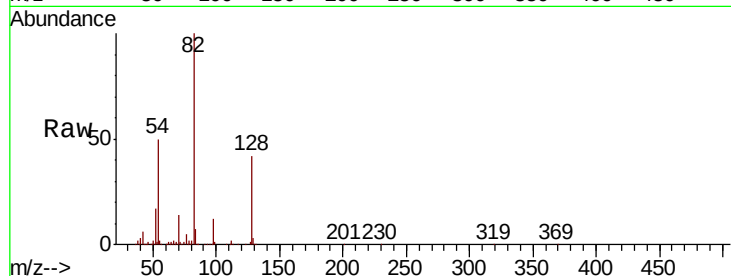
#23  
 Nitrobenzene-d5  
 Concen: 63.810 ng  
 RT: 9.21 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 41.6  | 30.6 | 46.0  |       |
| 54      | 49.9  | 37.1 | 55.7  |       |

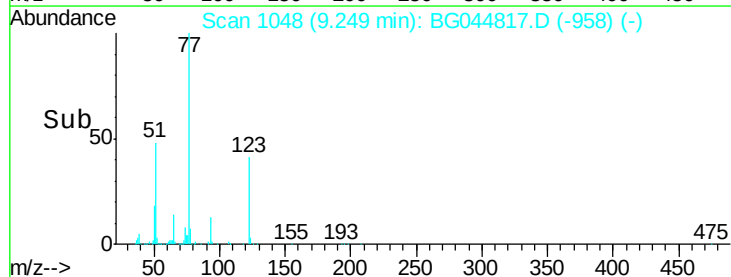
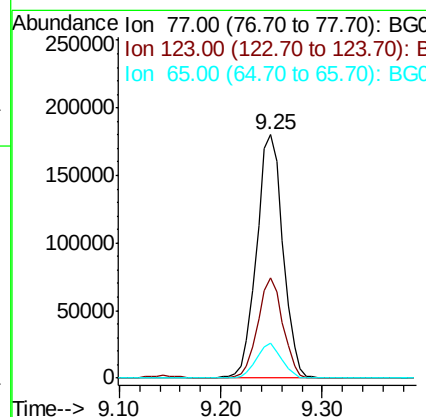
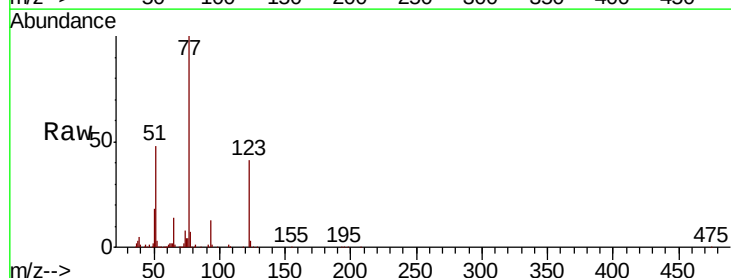
Manual Integrations  
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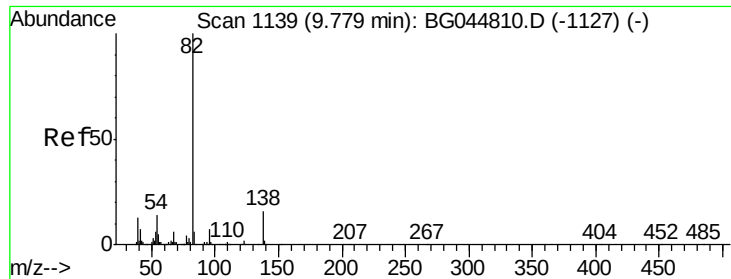


#24  
 Nitrobenzene  
 Concen: 39.132 ng  
 RT: 9.25 min Scan# 1048  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 41.4  | 31.3 | 46.9  |       |
| 65      | 14.5  | 11.4 | 17.0  |       |







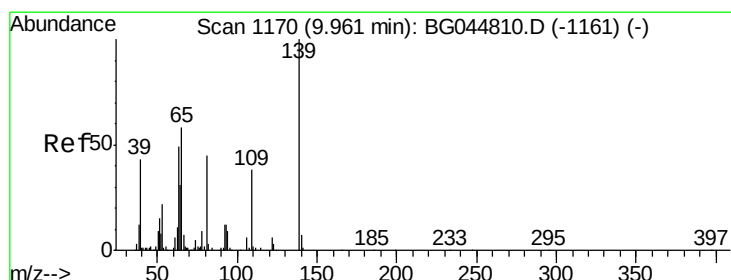
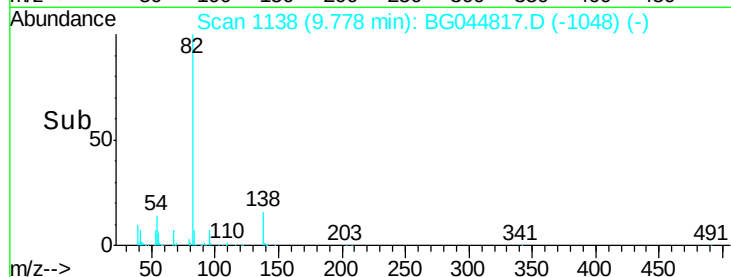
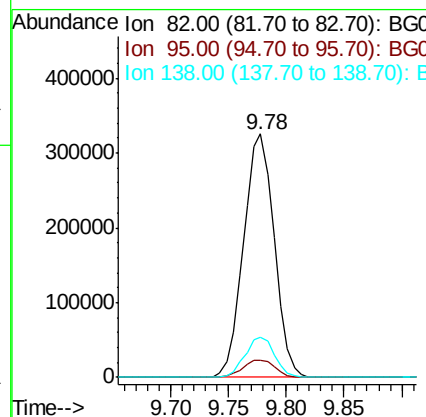
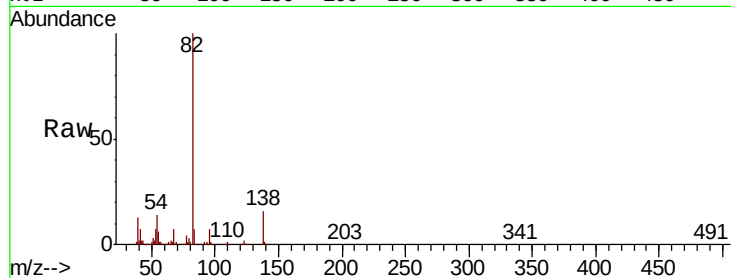
#25  
Isophorone  
Concen: 38.336 ng  
RT: 9.78 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.0   | 5.5   | 8.3   |
| 138     | 16.2  | 12.5  | 18.7  |

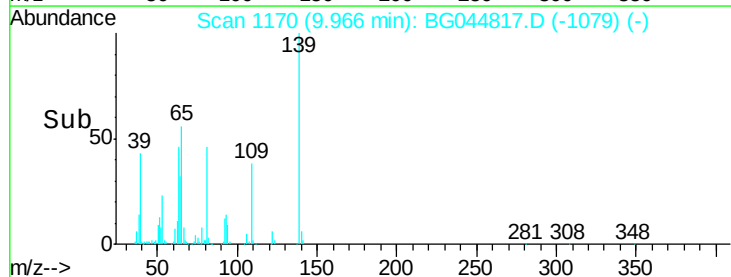
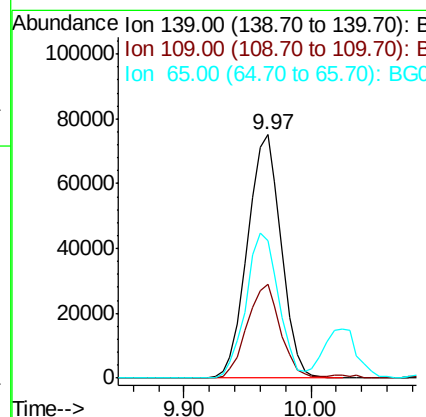
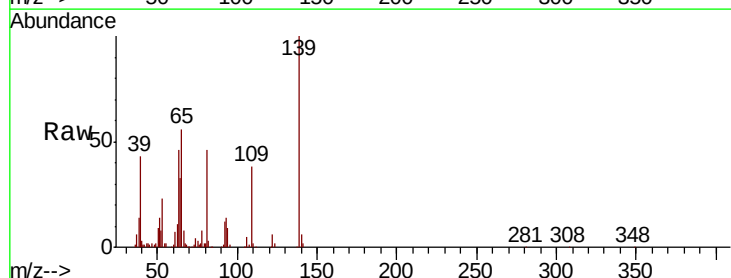
Manual Integrations  
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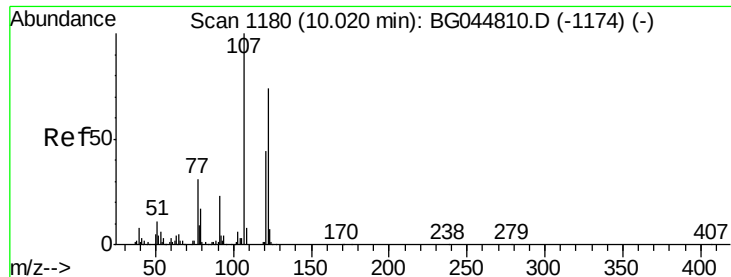
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#26  
2-Nitrophenol  
Concen: 48.062 ng  
RT: 9.97 min Scan# 1170  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 38.4  | 30.2  | 45.4  |
| 65      | 56.2  | 46.3  | 69.5  |





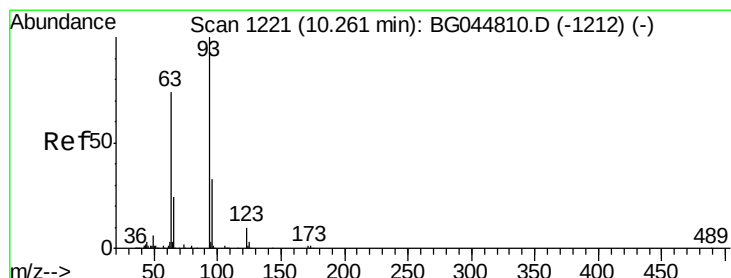
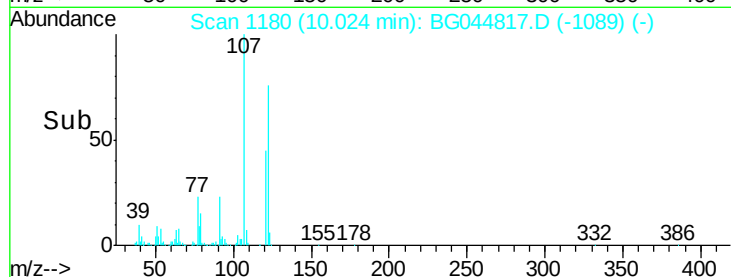
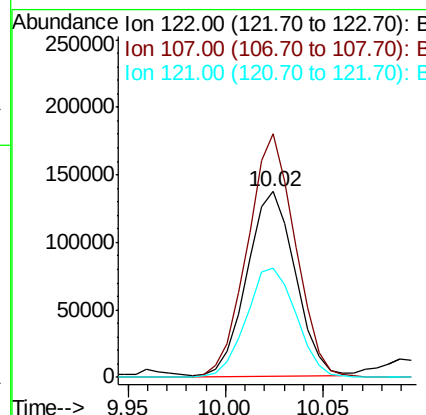
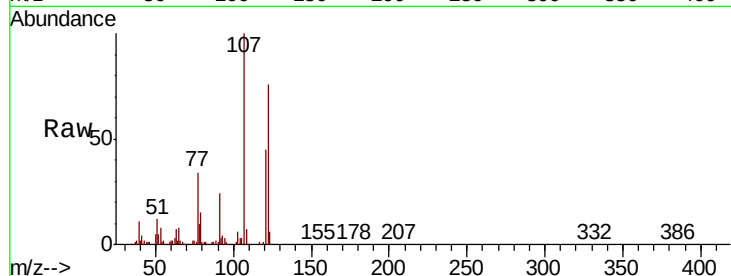
#27  
2,4-Dimethylphenol  
Concen: 46.225 ng  
RT: 10.02 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 235072 |       |       |
| 107     | 131.1 | 107.1  | 160.7 |       |
| 121     | 58.9  | 46.8   | 70.2  |       |

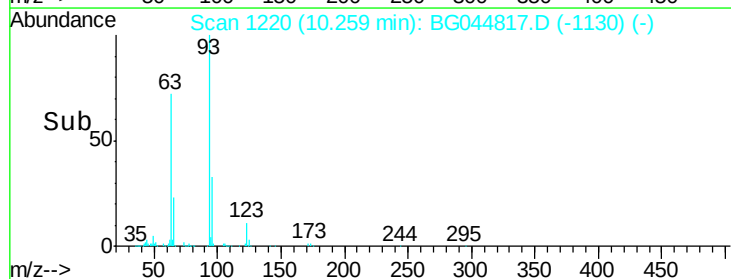
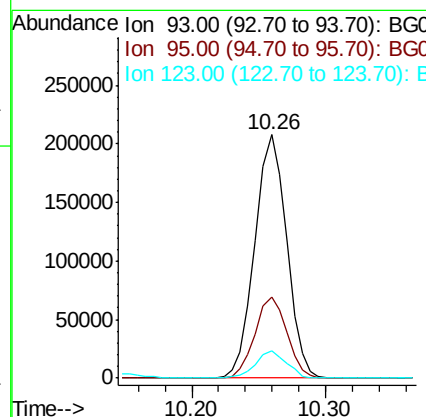
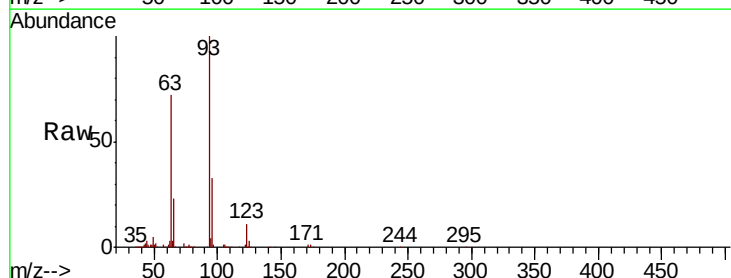
Manual Integrations  
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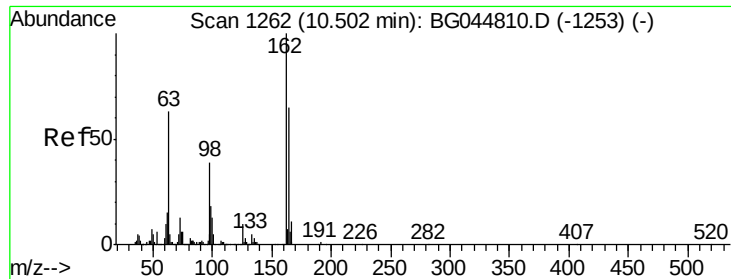
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 36.725 ng  
RT: 10.26 min Scan# 1220  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 342257 |       |       |
| 95      | 33.4  | 26.4   | 39.6  |       |
| 123     | 11.0  | 8.4    | 12.6  |       |





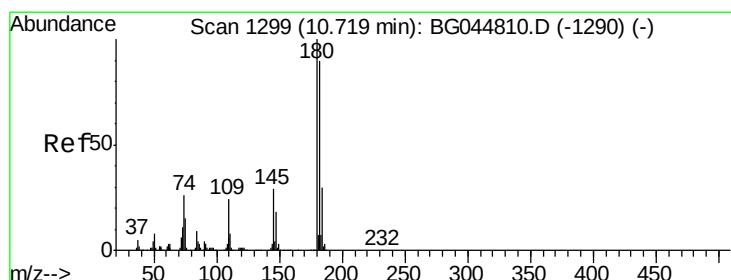
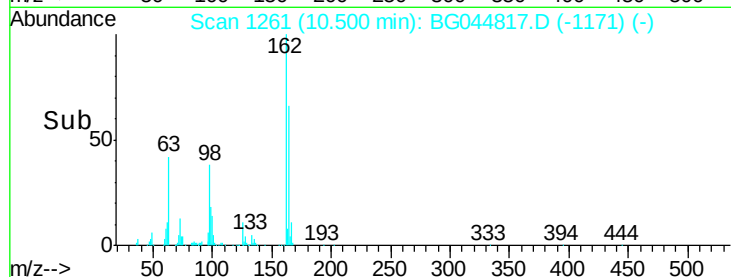
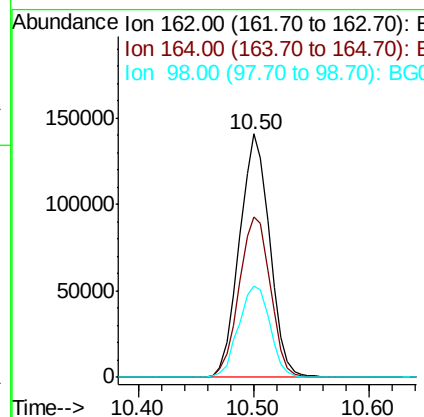
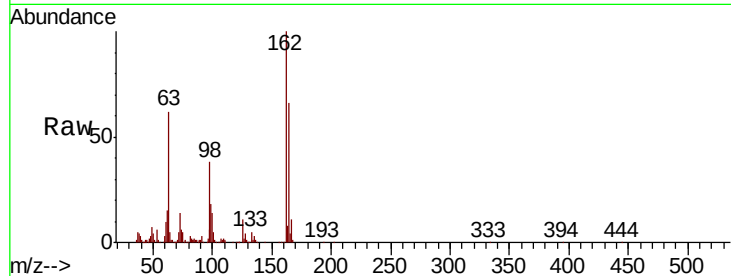
#29  
 2,4-Dichlorophenol  
 Concen: 43.105 ng  
 RT: 10.50 min Scan# 1261  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 66.1  | 45.2       | 85.2  |
| 98      | 37.5  | 19.0       | 59.0  |

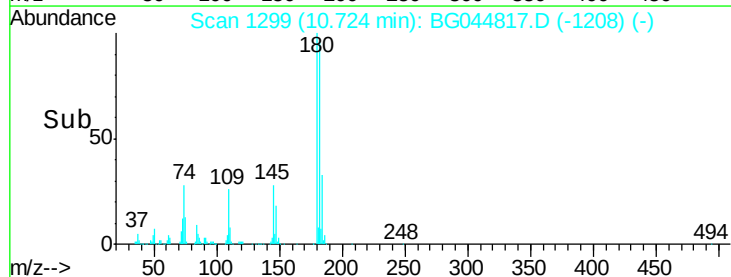
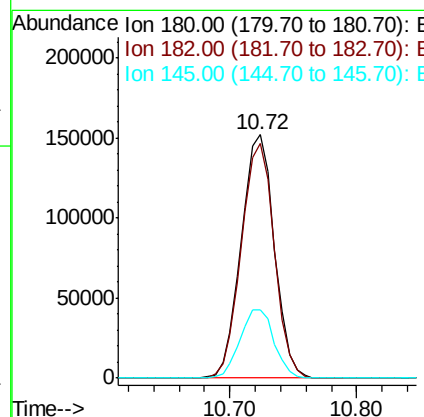
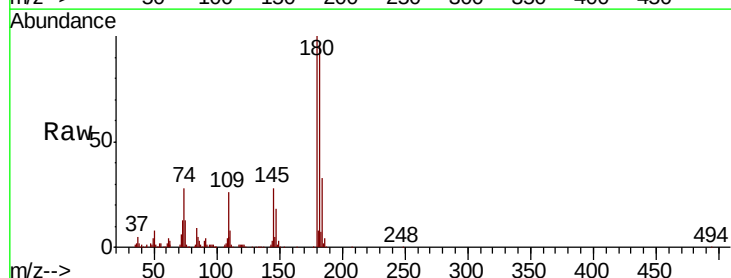
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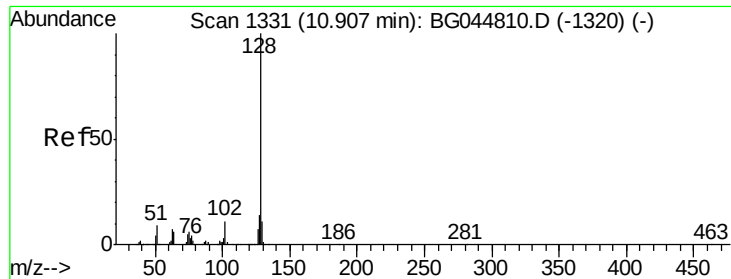
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.696 ng  
 RT: 10.72 min Scan# 1299  
 Delta R.T. 0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 96.4  | 71.6       | 107.4 |
| 145     | 28.0  | 23.4       | 35.0  |





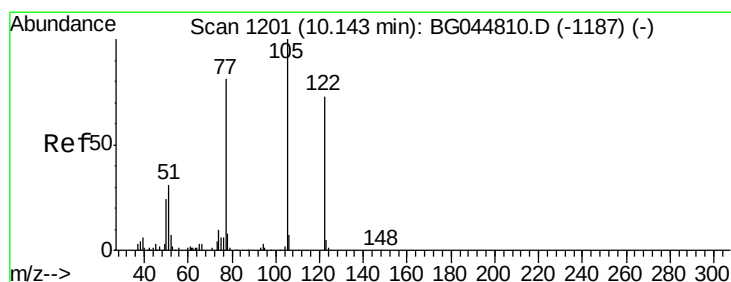
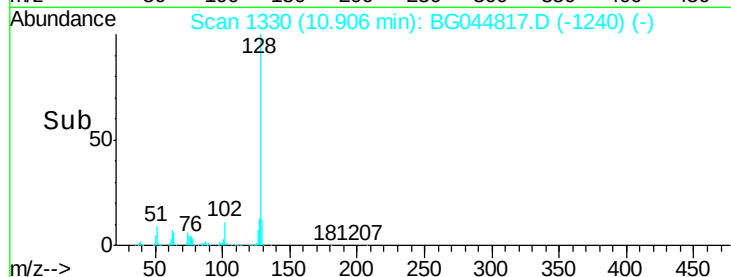
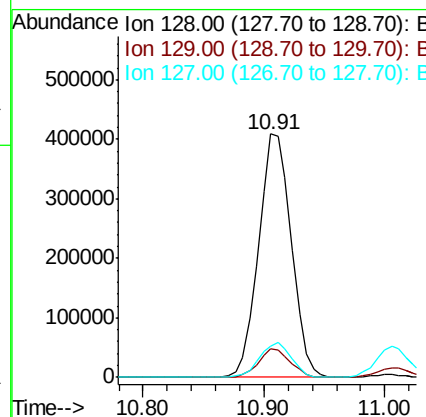
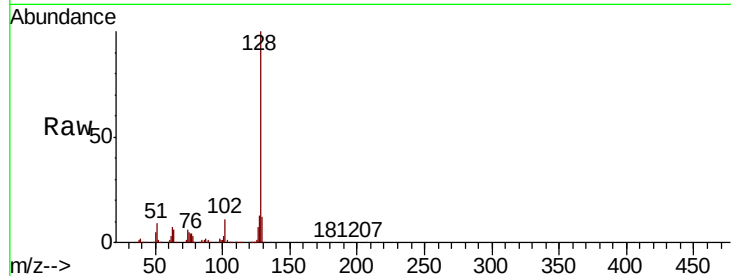
#31  
Naphthalene  
Concen: 39.374 ng  
RT: 10.91 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 9.0   | 13.4  |
| 127     | 12.9  | 10.8  | 16.2  |

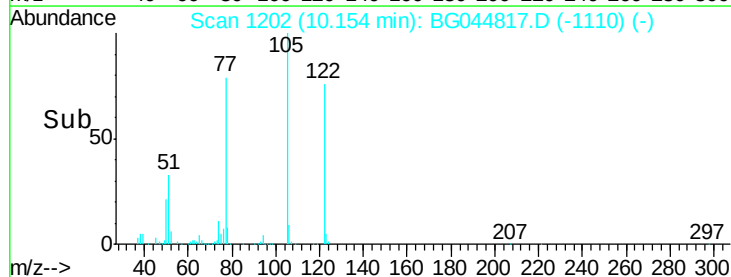
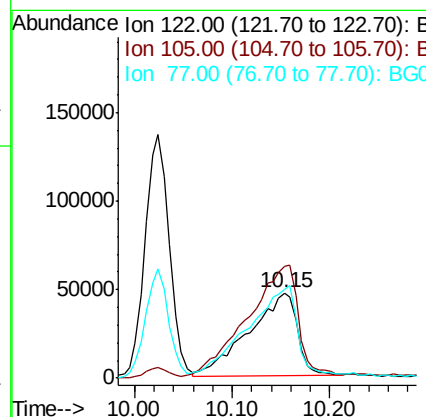
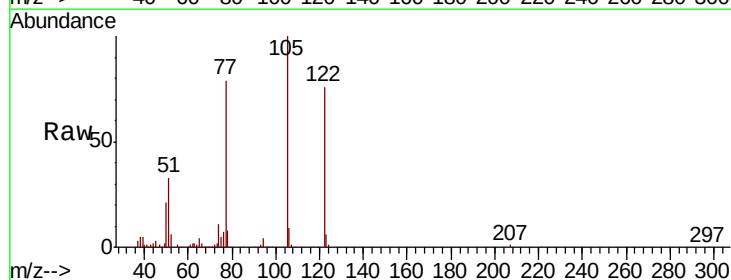
Manual Integrations  
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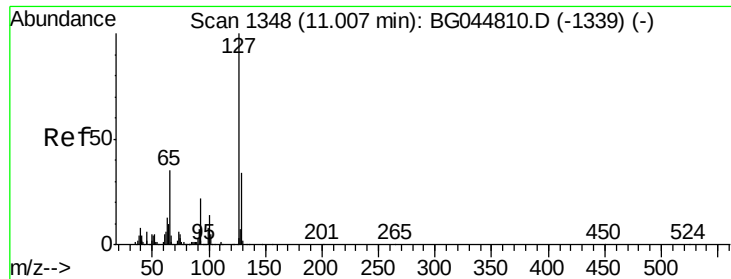
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#32  
Benzoic acid  
Concen: 42.327 ng  
RT: 10.15 min Scan# 1202  
Delta R.T. 0.01 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.5 | 109.1 | 149.1 |
| 77      | 104.4 | 85.3  | 125.3 |





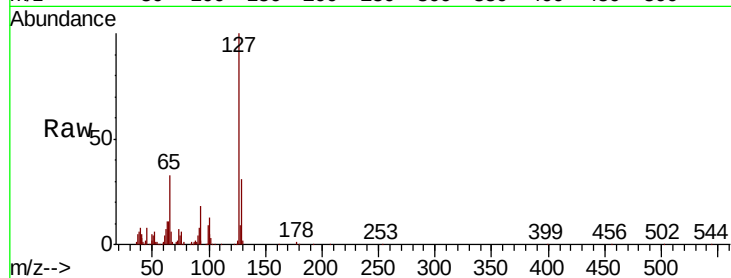
#33  
4-Chloroaniline  
Concen: 11.191 ng  
RT: 11.01 min Scan# 1347  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

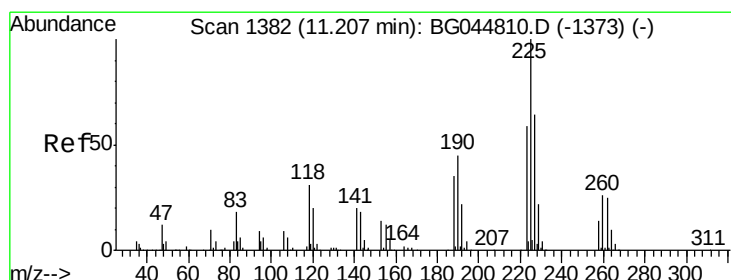
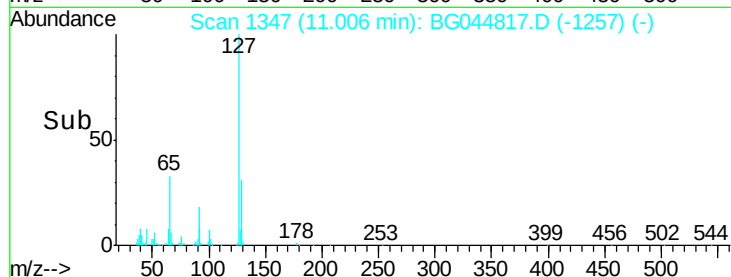
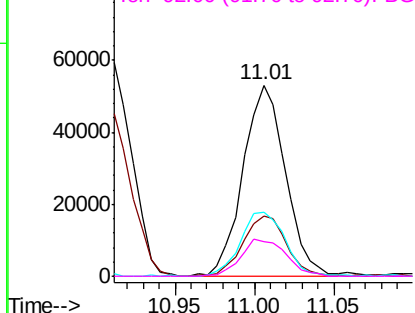
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 31.4  | 26.9  | 40.3  |
| 65      | 33.5  | 27.7  | 41.5  |
| 92      | 18.3  | 17.4  | 26.2  |

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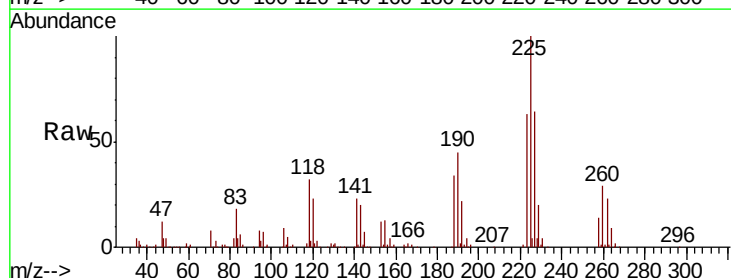


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

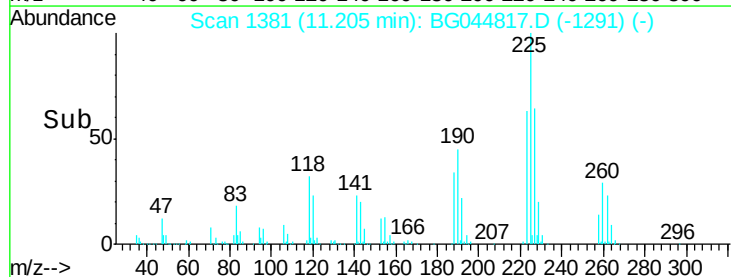
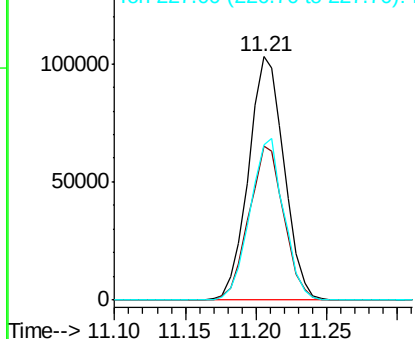


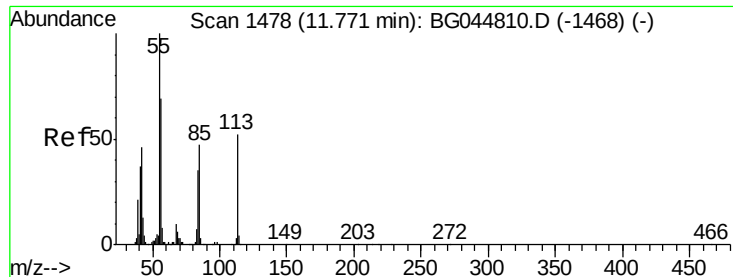
#34  
Hexachlorobutadiene  
Concen: 38.949 ng  
RT: 11.21 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.3  | 47.4  | 71.0  |
| 227     | 63.6  | 50.8  | 76.2  |



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: 45.053 ng/ml

RT: 11.77 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

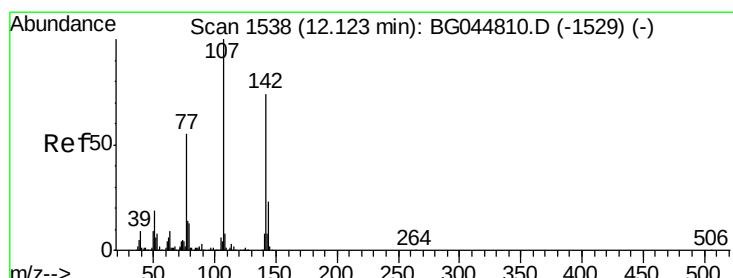
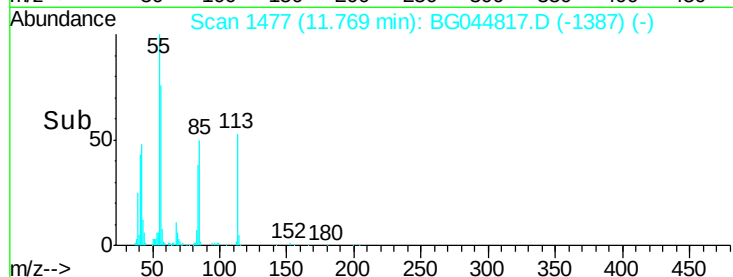
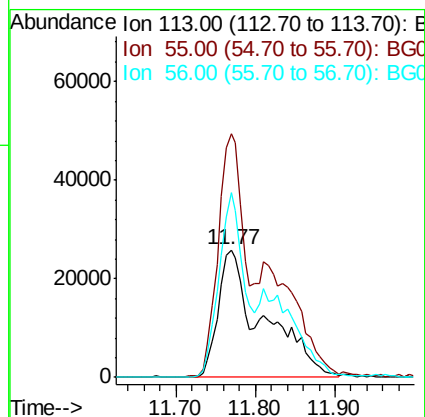
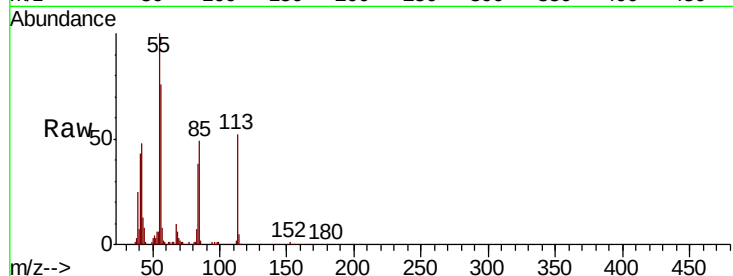
ClientSampleId :

Z1-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 101320 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 191.1 | 173.8 | 213.8  |
| 56        | 145.3 | 113.8 | 153.8  |

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#36

4-Chloro-3-methylphenol

Concen: 42.520 ng/ml

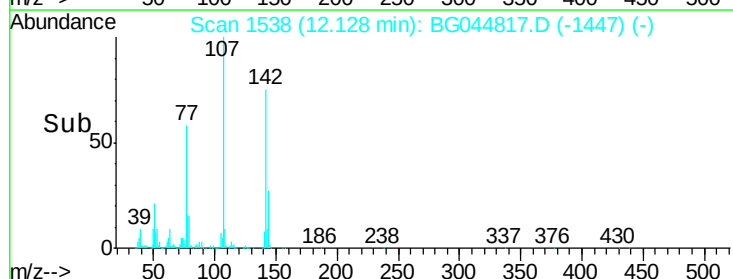
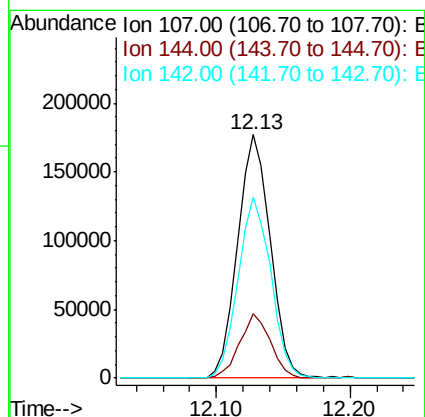
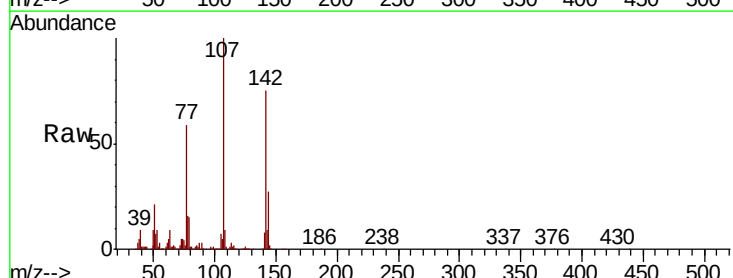
RT: 12.13 min Scan# 1538

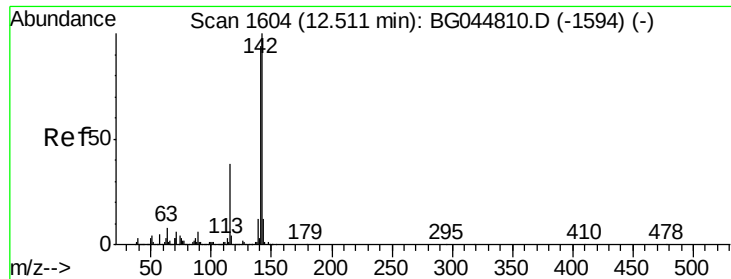
Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 301222 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 26.6  | 18.0  | 27.0   |
| 142       | 74.5  | 59.0  | 88.4   |





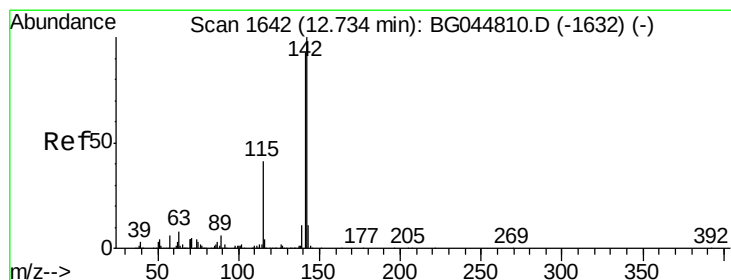
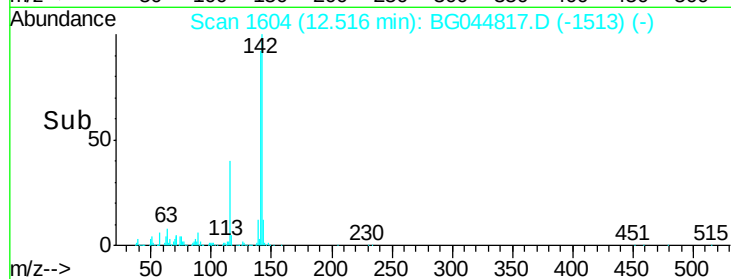
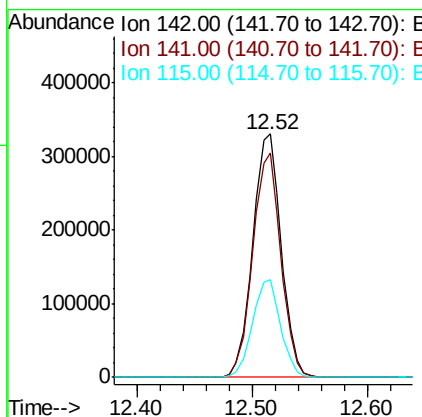
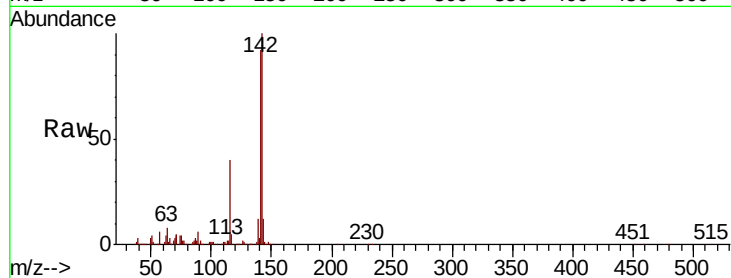
#37  
2-Methylnaphthalene  
Concen: 38.972 ng  
RT: 12.52 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.3  | 75.1  | 112.7 |
| 115     | 40.4  | 30.6  | 46.0  |

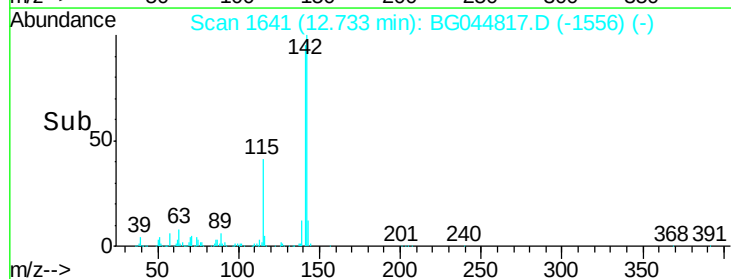
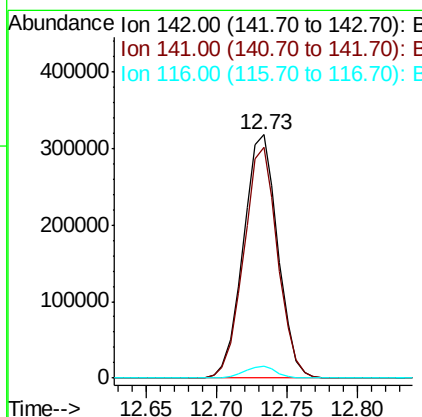
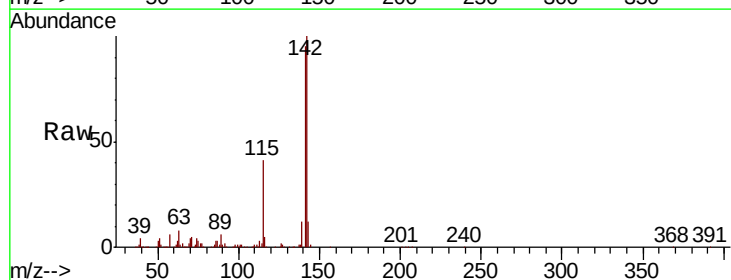
Manual Integrations  
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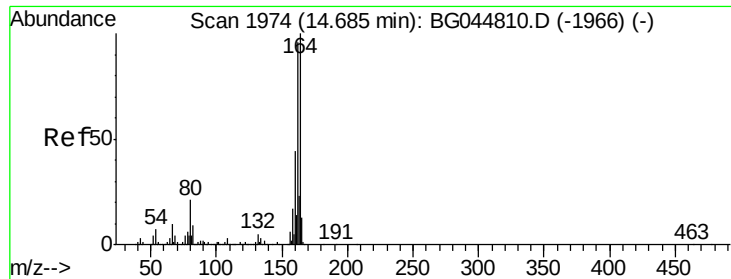
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 39.730 ng  
RT: 12.73 min Scan# 1641  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.6  | 74.7  | 112.1 |
| 116     | 4.7   | 3.3   | 4.9   |





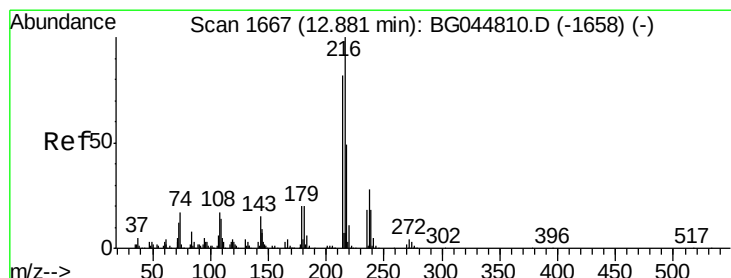
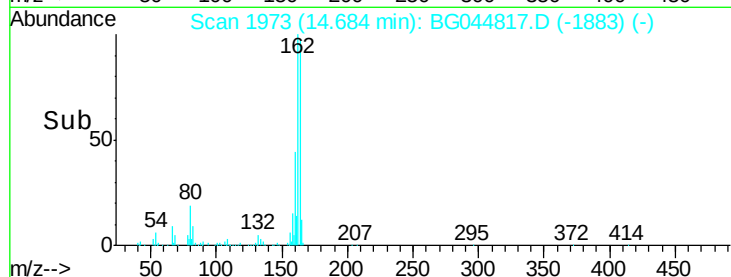
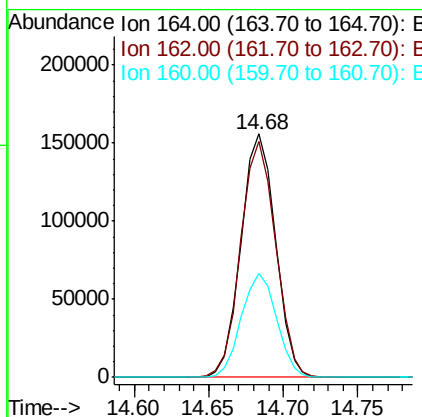
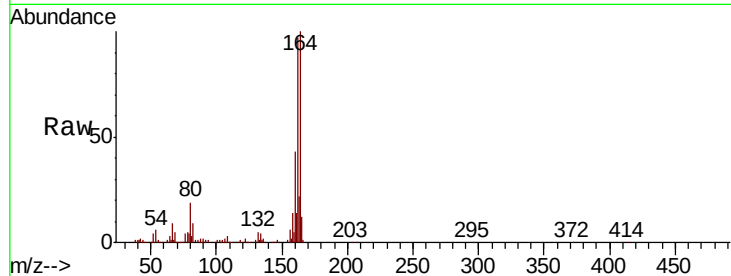
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.8  | 76.7  | 115.1 |
| 160     | 42.8  | 35.0  | 52.4  |

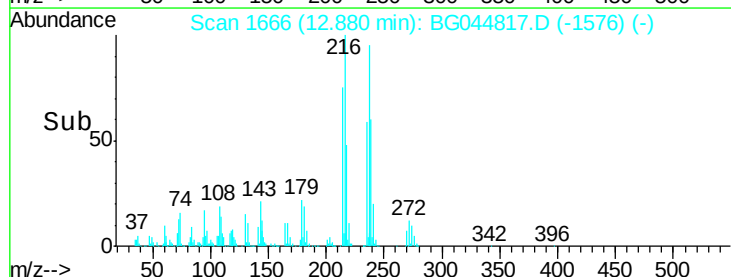
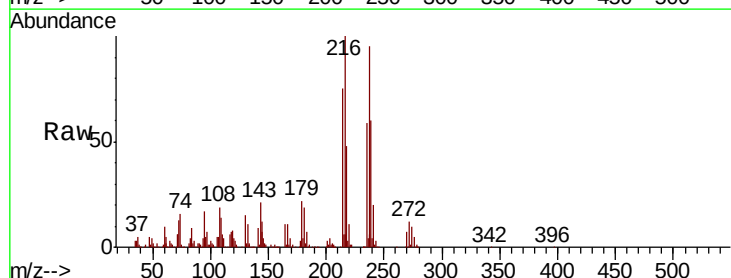
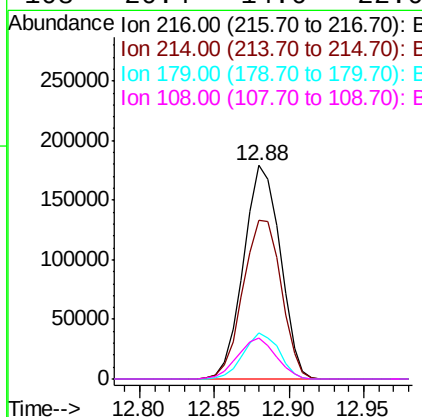
Manual Integrations  
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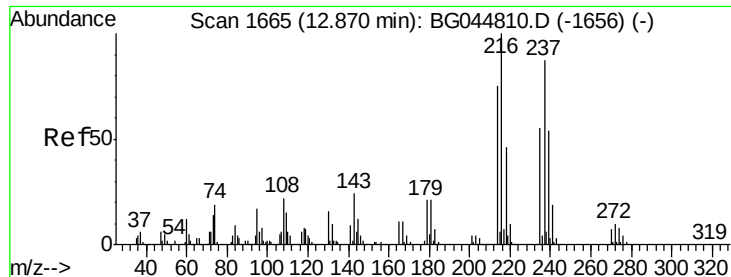


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.057 ng  
RT: 12.88 min Scan# 1666  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.8  | 63.8  | 95.6  |
| 179     | 20.9  | 16.2  | 24.2  |
| 108     | 20.4  | 14.6  | 22.0  |







#41

Hexachlorocyclopentadiene

Concen: 93.308 ng

RT: 12.87 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

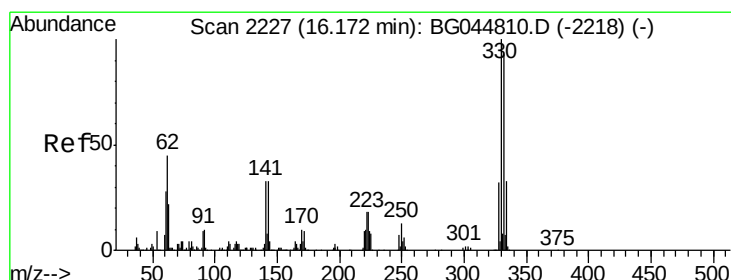
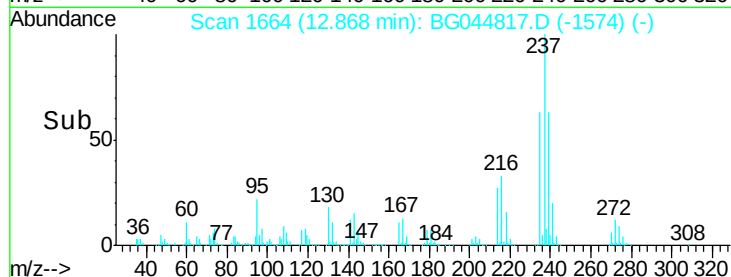
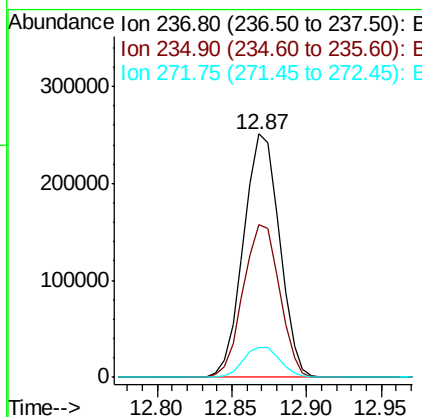
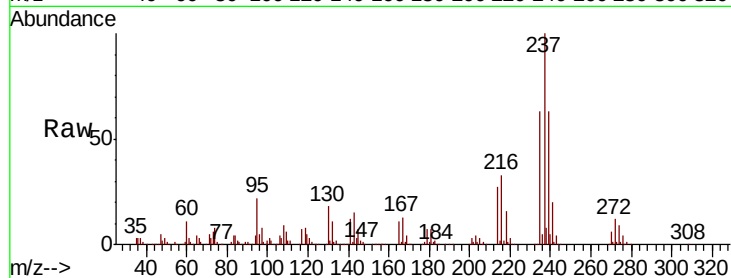
ClientSampleId :

Z1-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 419513 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.9  | 42.9  | 82.9   |
| 272       | 12.1  | 0.0   | 31.6   |

Manual Integrations  
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#42

2,4,6-Tribromophenol

Concen: 110.984 ng

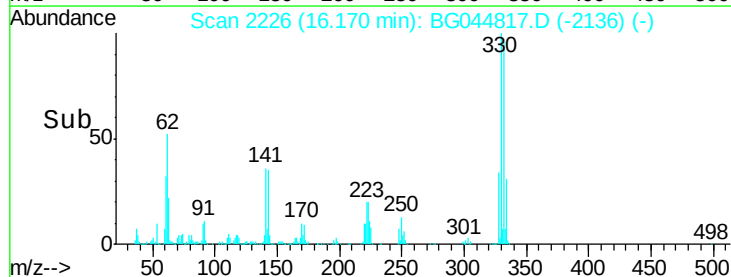
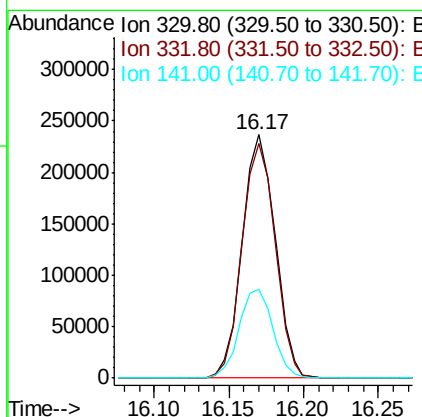
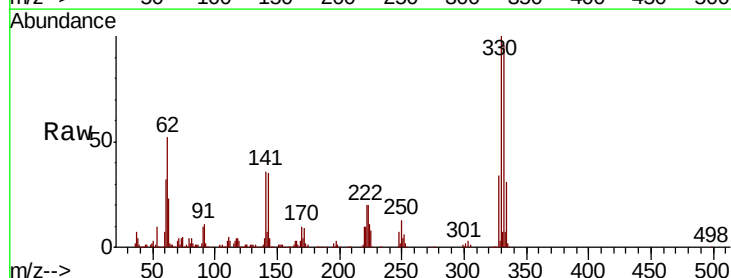
RT: 16.17 min Scan# 2226

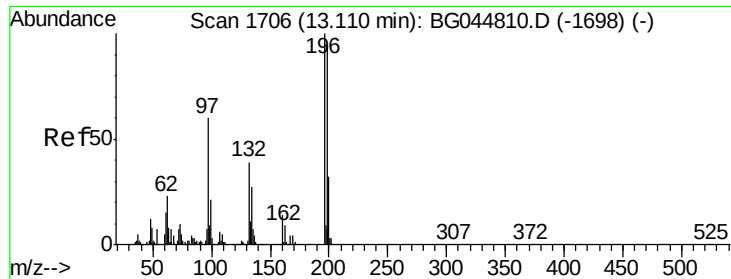
Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 363006 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.4  | 77.8  | 116.6  |
| 141       | 37.6  | 29.5  | 44.3   |





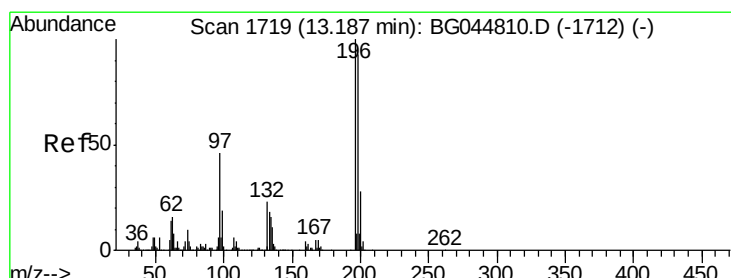
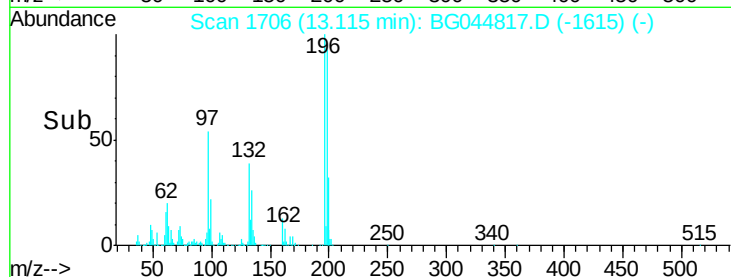
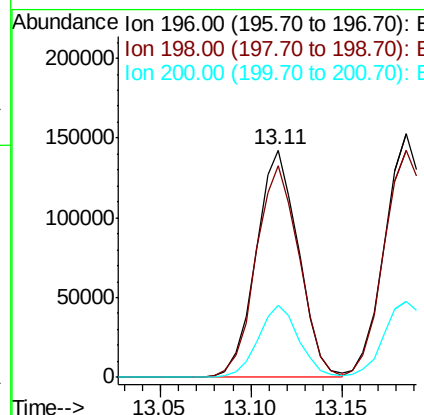
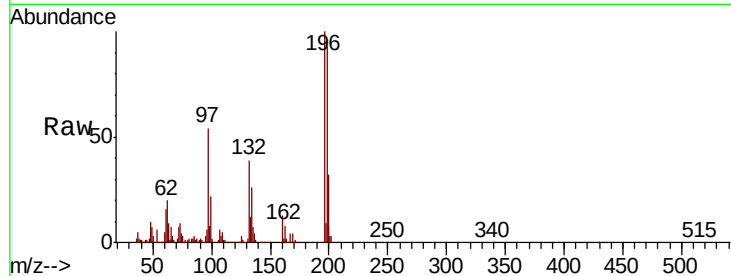
#43  
2,4,6-Trichlorophenol  
Concen: 42.335 ng  
RT: 13.11 min Scan# 1706  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 231139 |       |       |
| 198     | 93.3  | 74.9   | 112.3 |       |
| 200     | 31.9  | 25.8   | 38.6  |       |

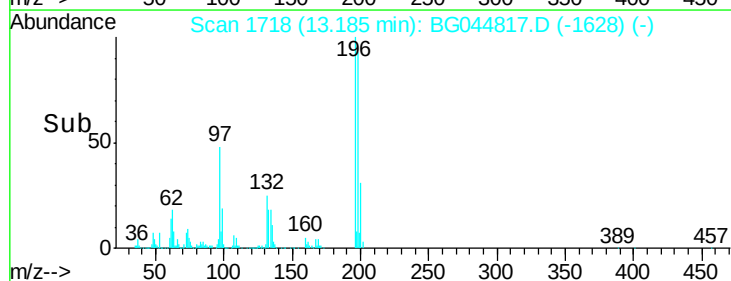
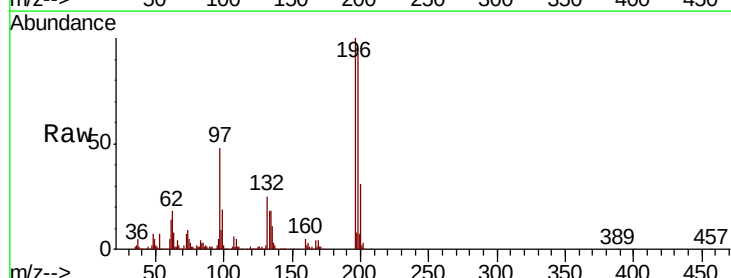
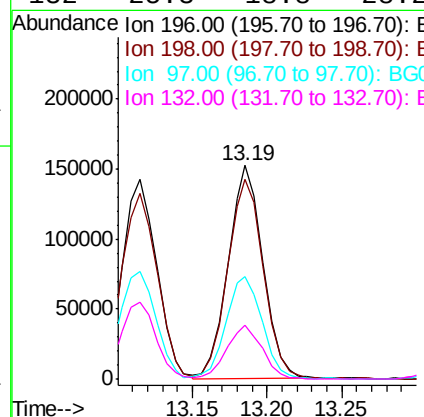
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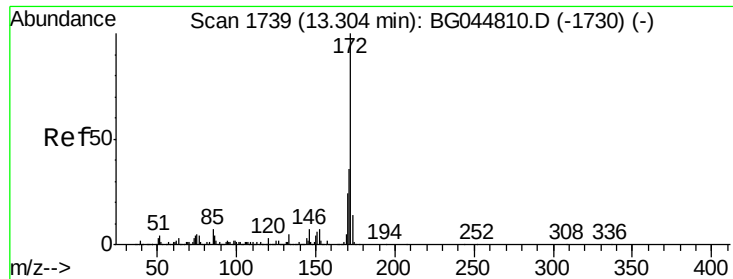
mohammad  
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#44  
2,4,5-Trichlorophenol  
Concen: 43.639 ng  
RT: 13.19 min Scan# 1718  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 247086 |       |       |
| 198     | 93.3  | 74.2   | 111.4 |       |
| 97      | 47.9  | 36.7   | 55.1  |       |
| 132     | 25.3  | 18.8   | 28.2  |       |





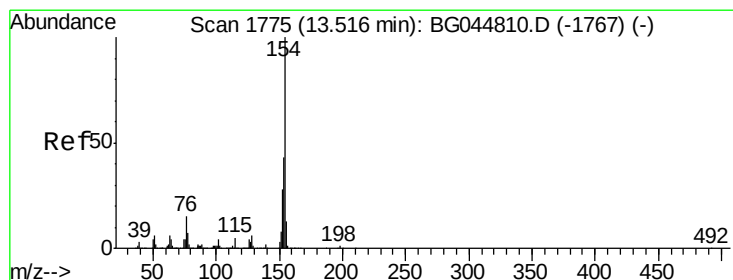
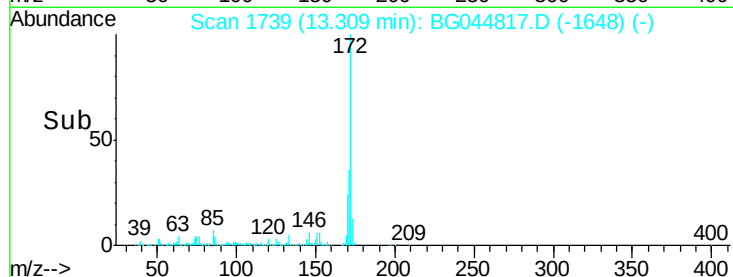
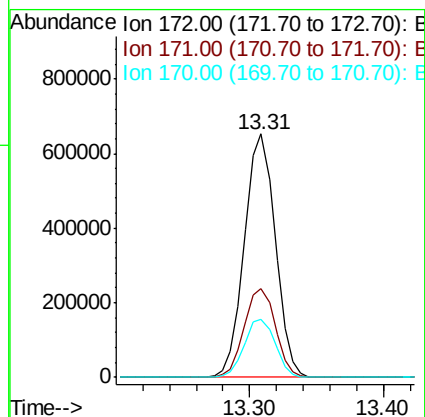
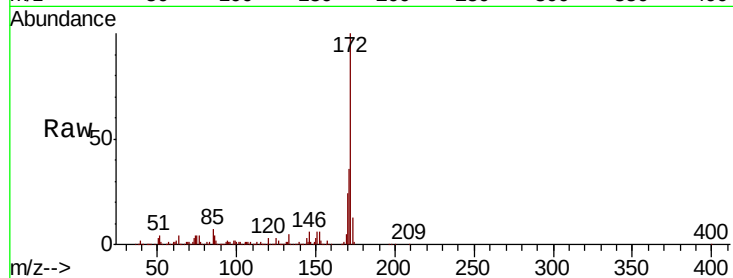
#45  
2-Fluorobiphenyl  
Concen: 59.766 ng  
RT: 13.31 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 28.7  | 43.1  |
| 170     | 24.0  | 19.0  | 28.6  |

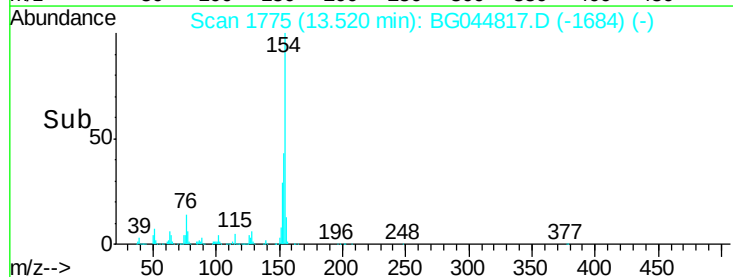
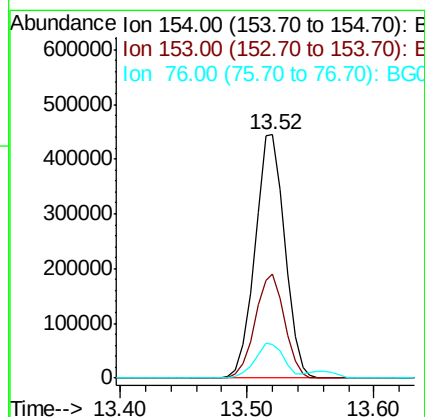
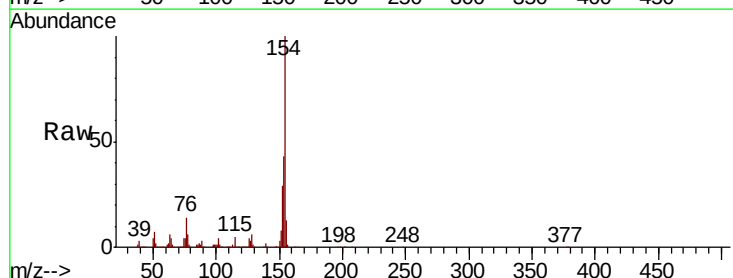
Manual Integrations  
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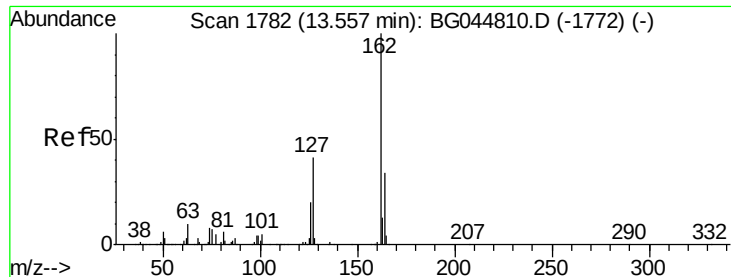
mohammad  
3/18/2020 8:44:15 AM



#46  
1,1'-Biphenyl  
Concen: 36.488 ng  
RT: 13.52 min Scan# 1775  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.8  | 22.9  | 62.9  |
| 76      | 14.0  | 0.0   | 34.6  |





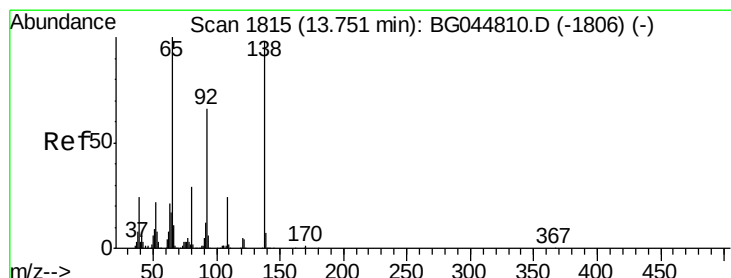
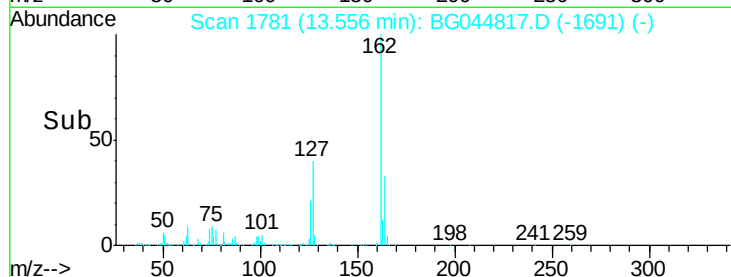
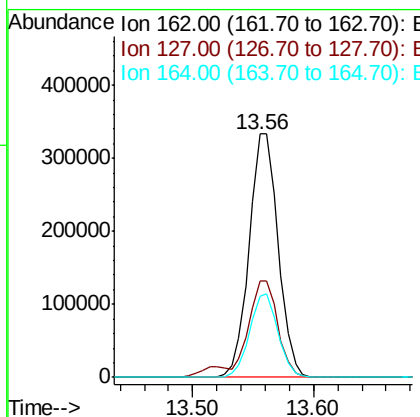
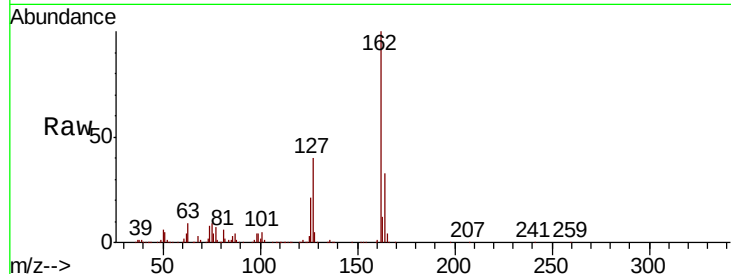
#47  
2-Chloronaphthalene  
Concen: 36.603 ng  
RT: 13.56 min Scan# 1781  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 558176 |       |       |
| 127     | 39.5  |        | 33.1  | 49.7  |
| 164     | 33.3  |        | 27.4  | 41.2  |

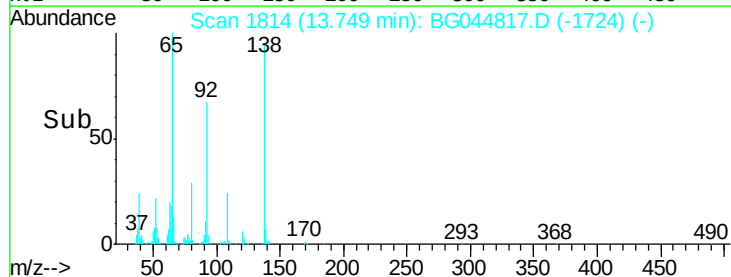
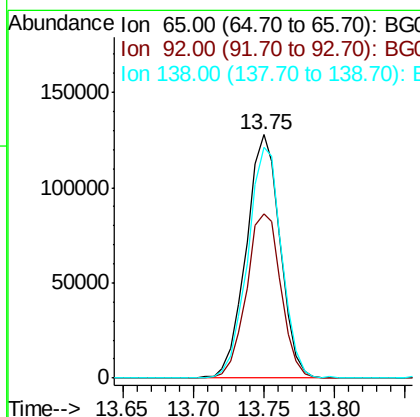
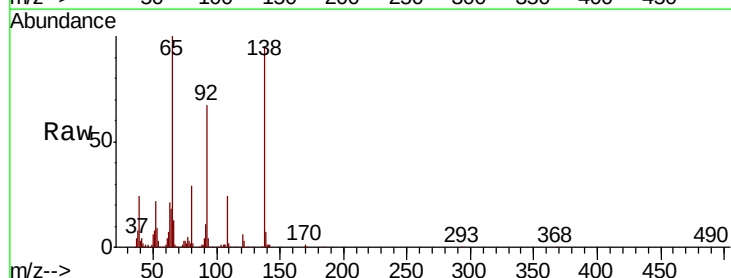
Manual Integrations  
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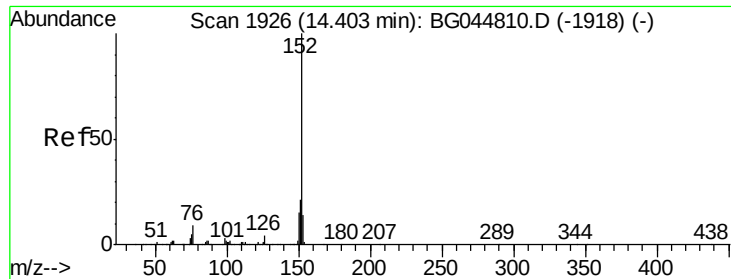
mohammad  
3/18/2020 8:44:15 AM



#48  
2-Nitroaniline  
Concen: 40.418 ng  
RT: 13.75 min Scan# 1814  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 215781 |       |       |
| 92      | 67.4  |        | 52.6  | 79.0  |
| 138     | 94.7  |        | 78.3  | 117.5 |





#49

Acenaphthylene

Concen: 39.632 ng

RT: 14.41 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

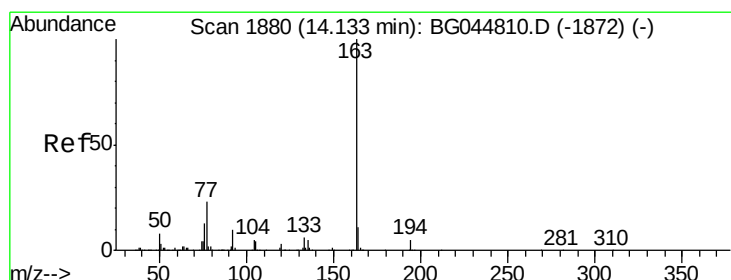
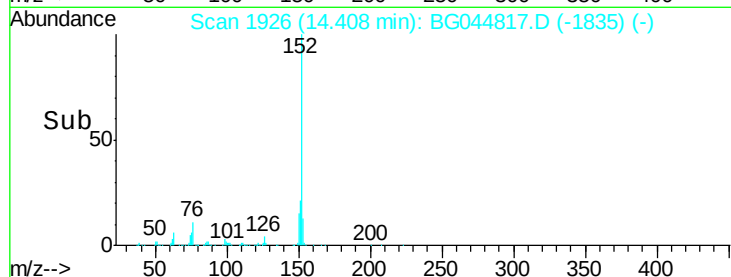
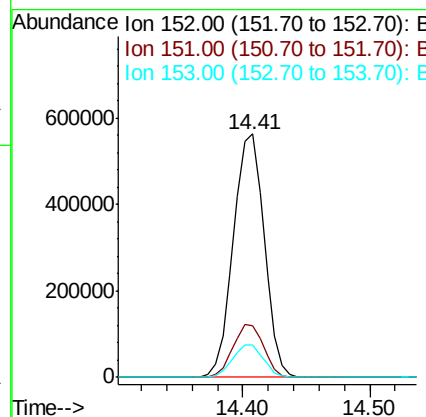
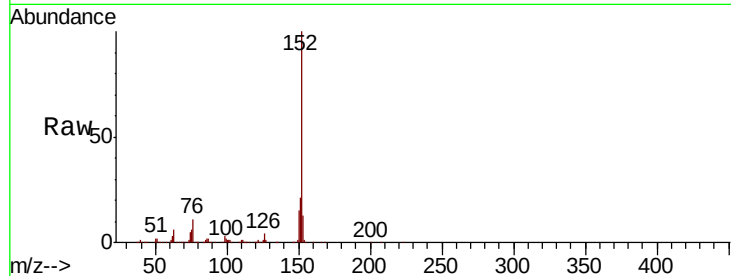
ClientSampleId :

Z1-3MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 946824 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.4  | 16.8  | 25.2   |
| 153       | 13.3  | 10.8  | 16.2   |

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#50

Dimethylphthalate

Concen: 45.628 ng

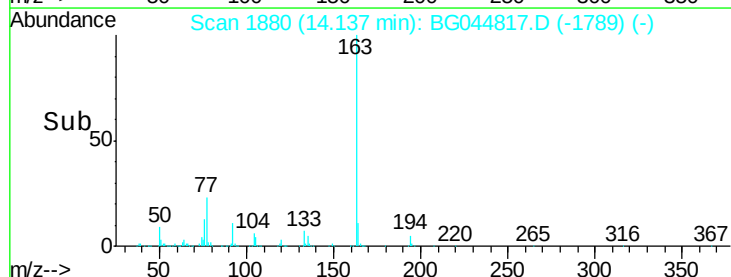
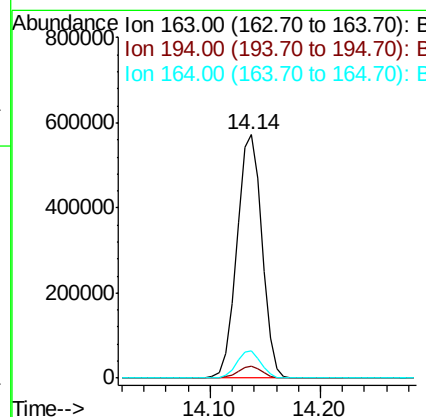
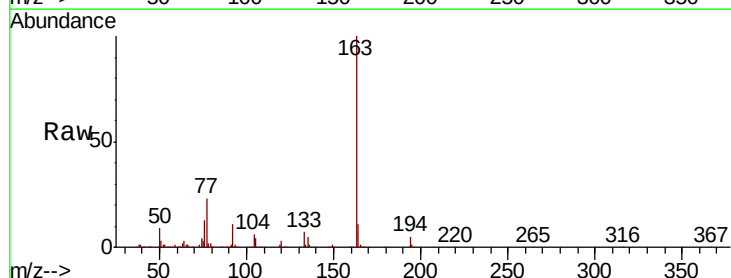
RT: 14.14 min Scan# 1880

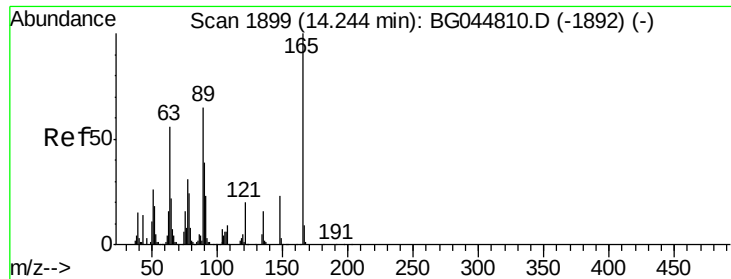
Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 907801 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.6   | 3.7   | 5.5    |
| 164       | 11.1  | 9.1   | 13.7   |





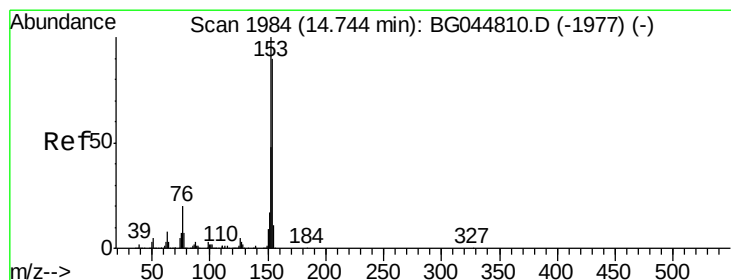
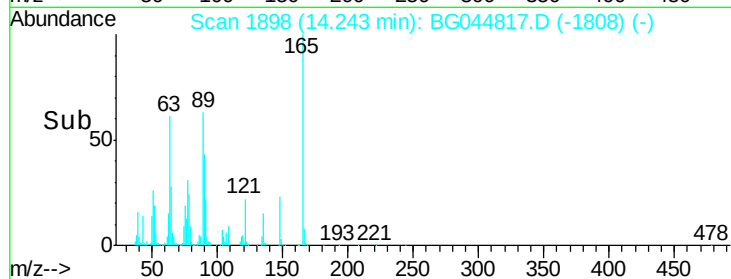
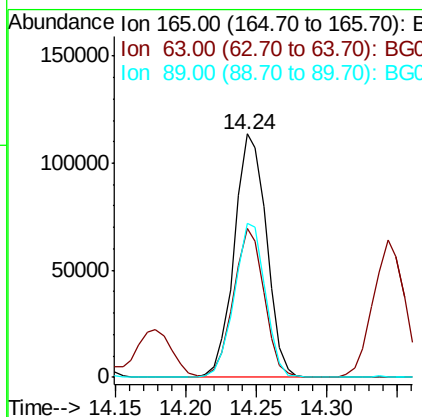
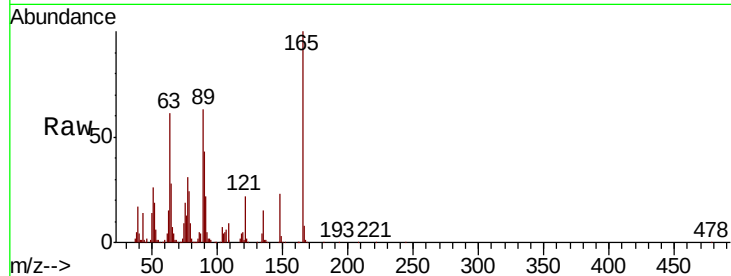
#51  
 2,6-Dinitrotoluene  
 Concen: 44.949 ng  
 RT: 14.24 min Scan# 1898  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 180262 |       |       |
| 63      | 61.0  |        | 45.8  | 68.8  |
| 89      | 63.1  |        | 51.8  | 77.6  |

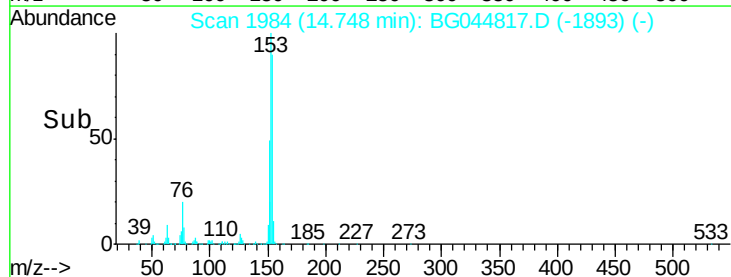
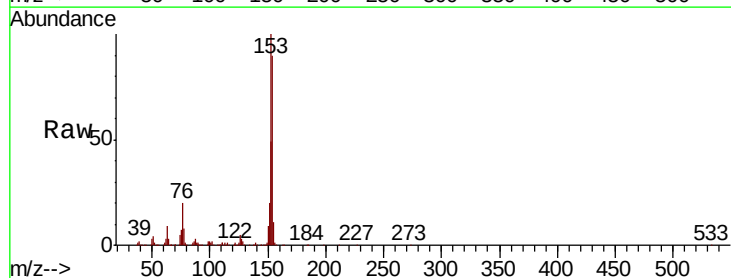
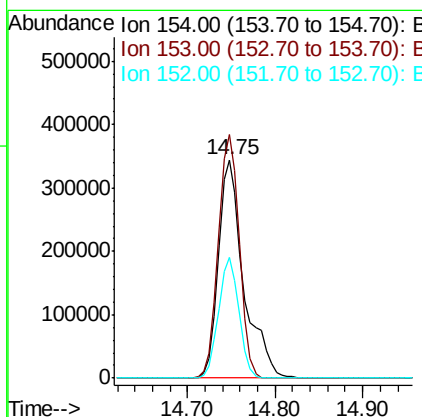
Manual Integrations  
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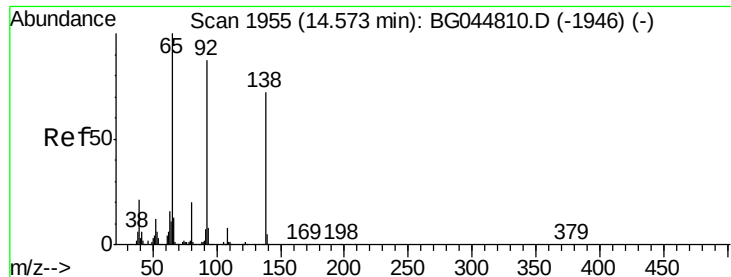
mohammad  
 3/18/2020 8:44:15 AM



#52  
 Acenaphthene  
 Concen: 44.032 ng  
 RT: 14.75 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 688930 |       |       |
| 153     | 111.4 |        | 89.0  | 133.6 |
| 152     | 55.1  |        | 43.0  | 64.6  |





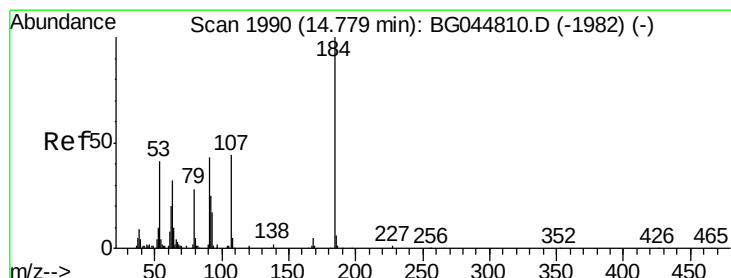
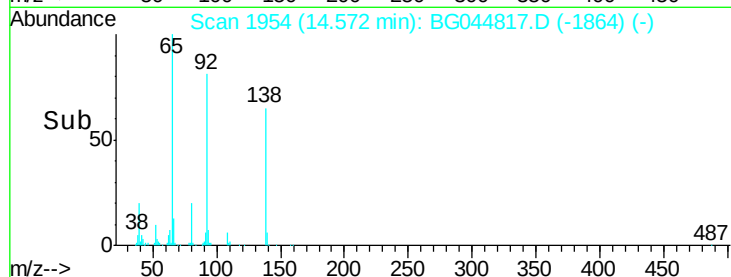
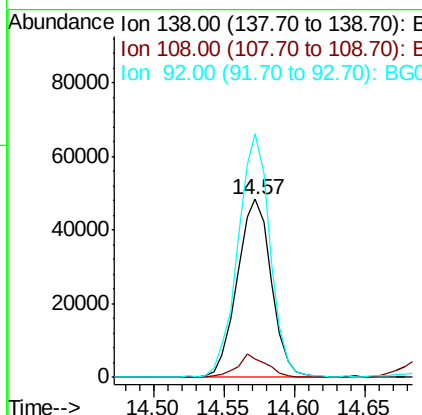
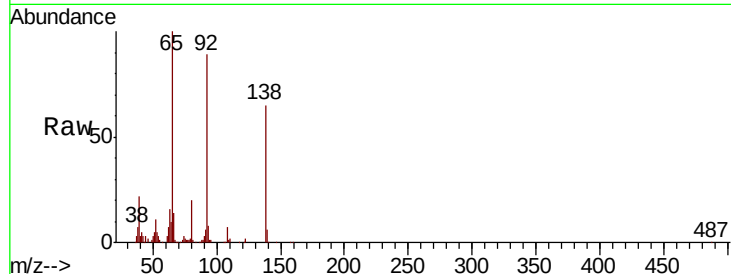
#53  
3-Nitroaniline  
Concen: 17.725 ng  
RT: 14.57 min Scan# 1954  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.3  | 9.0   | 13.4  |
| 92      | 137.0 | 96.8  | 145.2 |

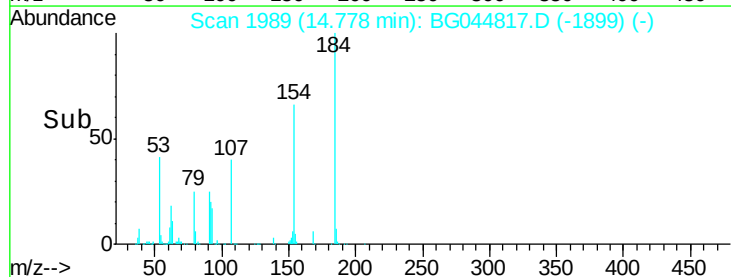
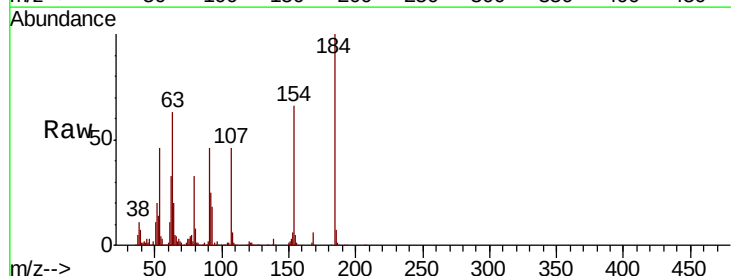
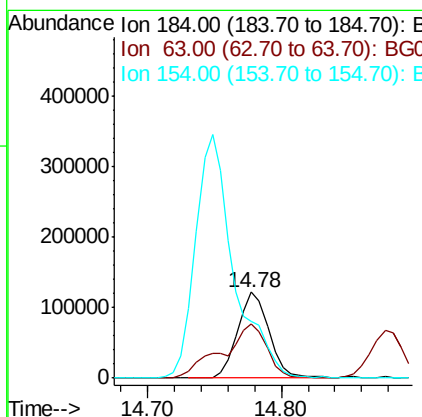
Manual Integrations  
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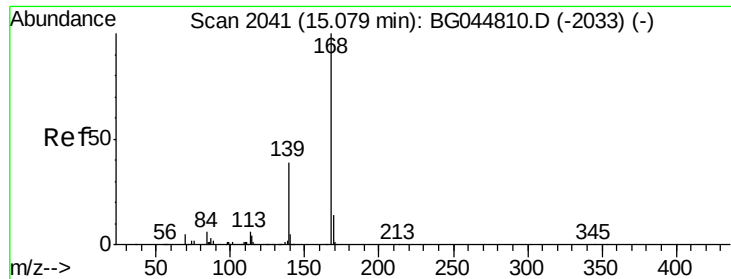
mohammad  
3/18/2020 8:44:15 AM



#54  
2,4-Dinitrophenol  
Concen: 93.198 ng  
RT: 14.78 min Scan# 1989  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 62.6  | 45.5  | 68.3  |
| 154     | 65.8  | 49.1  | 73.7  |





#55

Dibenzofuran

Concen: 39.953 ng

RT: 15.08 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

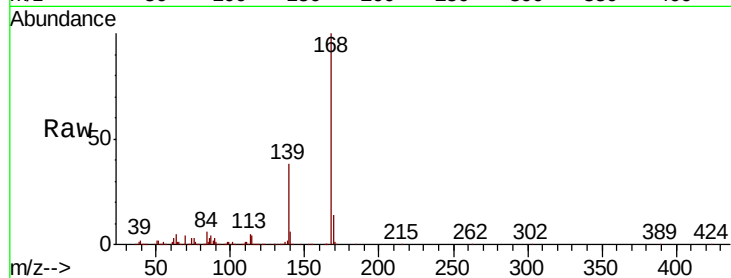
ClientSampleId :

Z1-3MSD

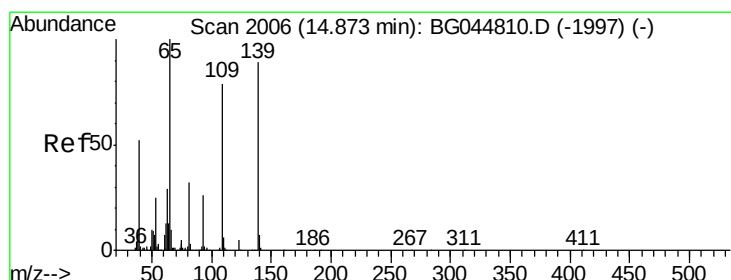
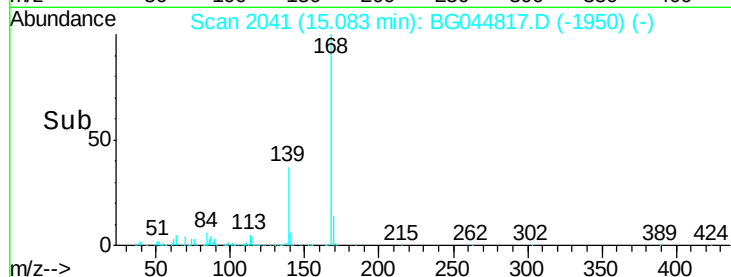
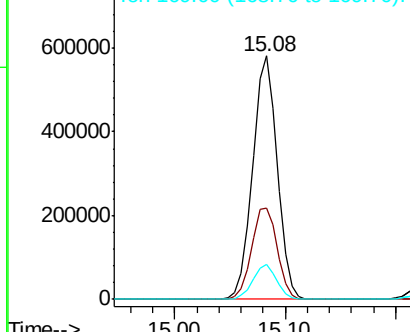
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 168   | Resp: | 906490 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 37.6  | 31.4  | 47.0   |
| 169       | 14.2  | 11.1  | 16.7   |

Manual Integrations  
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Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 92.368 ng

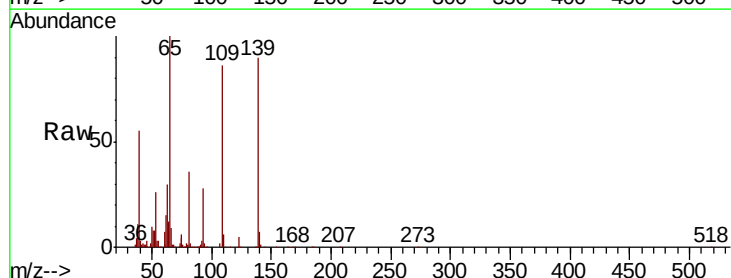
RT: 14.88 min Scan# 2007

Delta R.T. 0.01 min

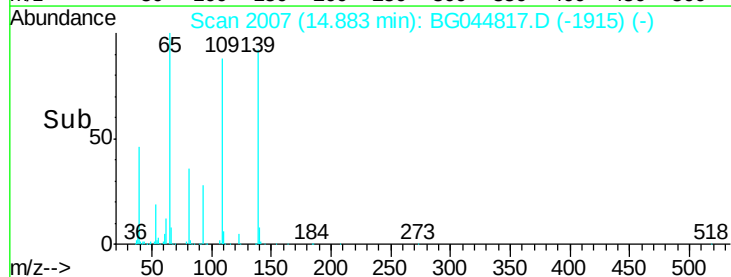
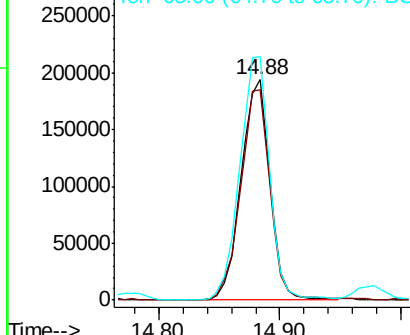
Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

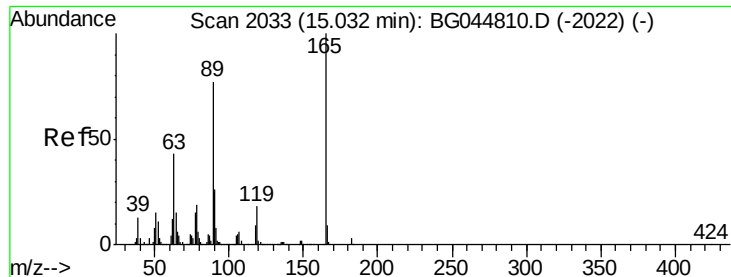
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 325025 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 95.5  | 68.8  | 108.8  |
| 65        | 110.5 | 92.5  | 132.5  |



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGO







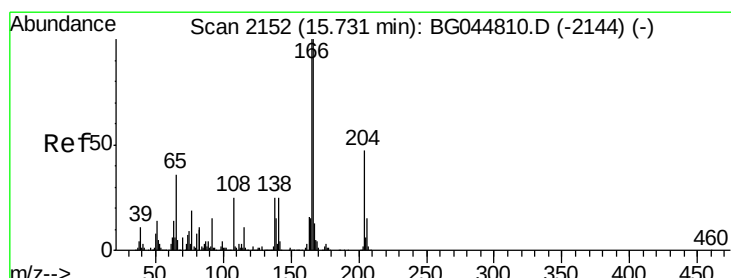
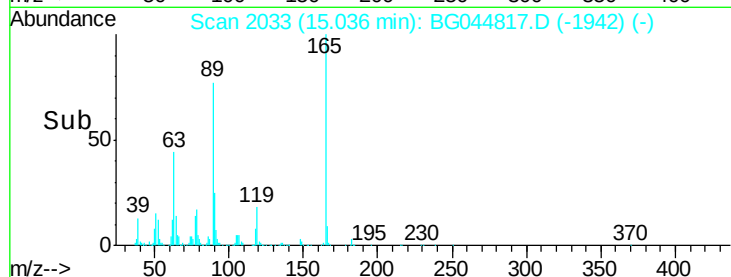
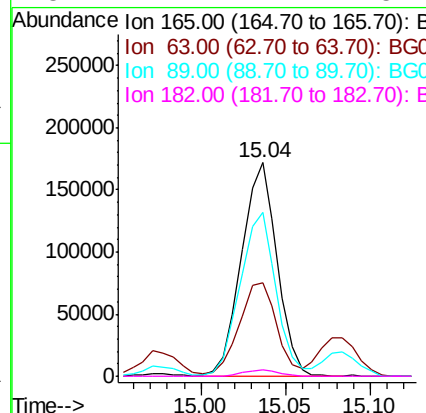
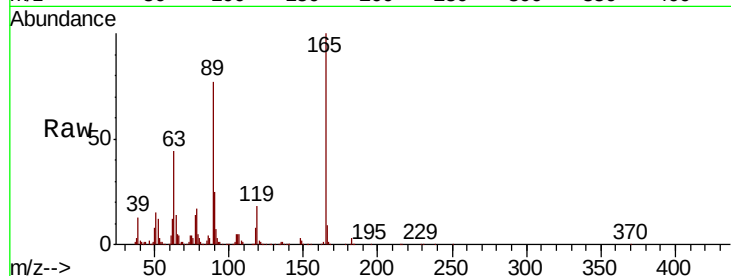
#57  
2,4-Dinitrotoluene  
Concen: 45.750 ng  
RT: 15.04 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 251630 |       |       |
| 63      | 43.8 |       | 34.6   | 52.0  |       |
| 89      | 76.8 |       | 61.3   | 91.9  |       |
| 182     | 2.7  |       | 2.2    | 3.2   |       |

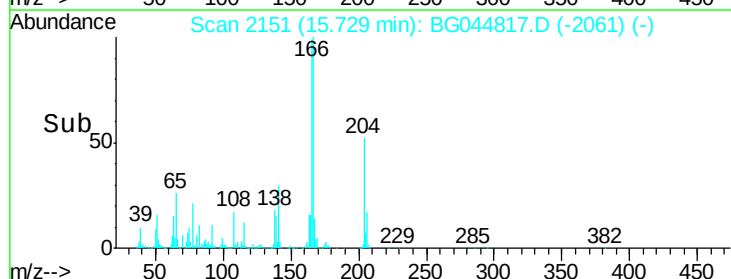
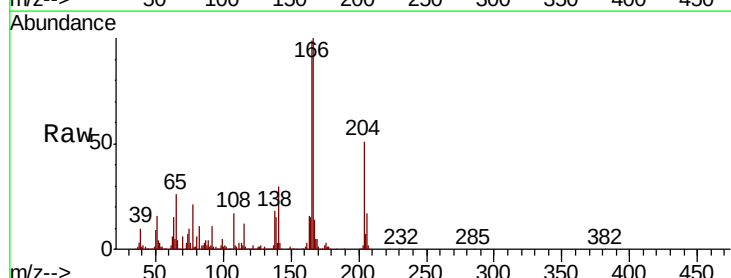
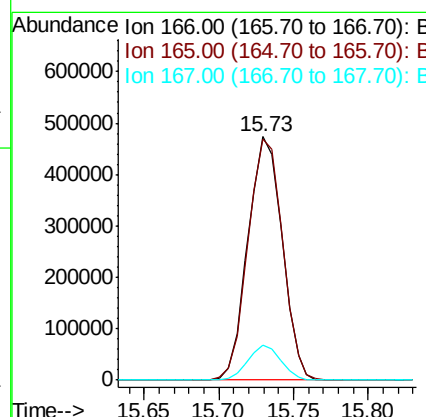
Manual Integrations  
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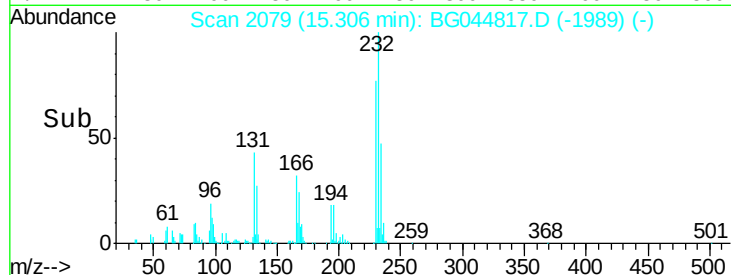
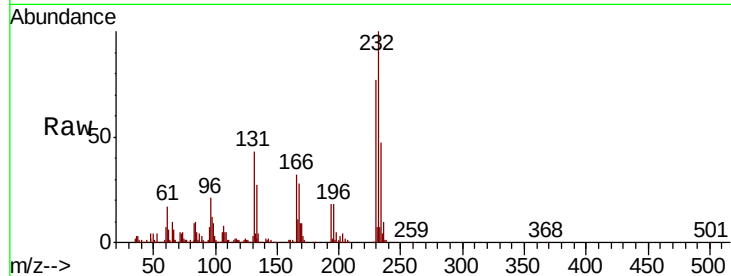
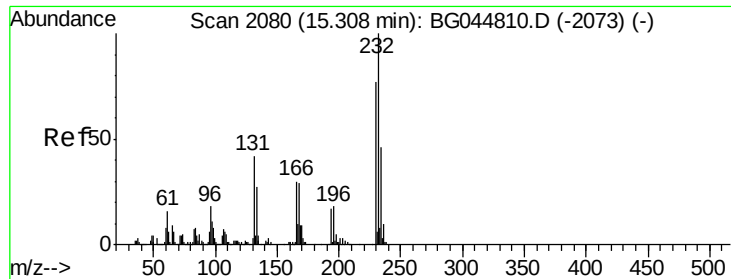
mohammad  
3/18/2020 8:44:15 AM



#58  
Fluorene  
Concen: 40.275 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 751709 |       |       |
| 165     | 98.9 |       | 79.7   | 119.5 |       |
| 167     | 14.4 |       | 10.6   | 16.0  |       |





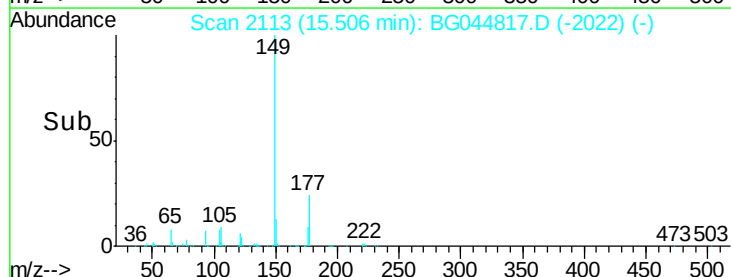
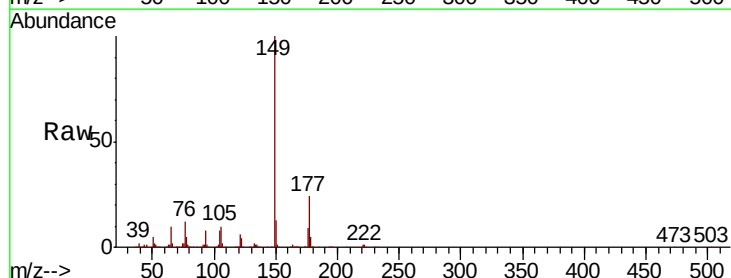
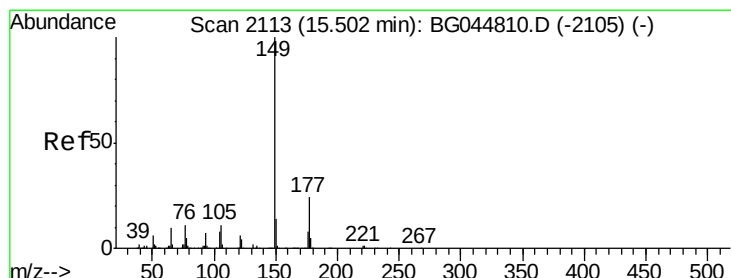
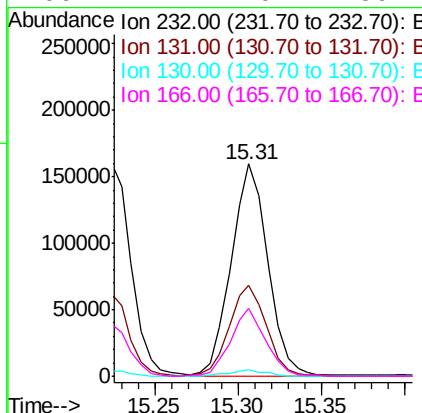
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.865 ng/ml  
RT: 15.31 min Scan# 2079  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 244303 |       |       |
| 131     | 37.9  |        | 31.8  | 47.8  |
| 130     | 2.6   |        | 2.2   | 3.2   |
| 166     | 24.2  |        | 20.2  | 30.2  |

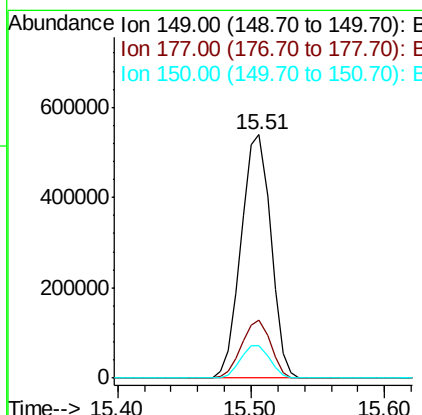
Manual Integrations  
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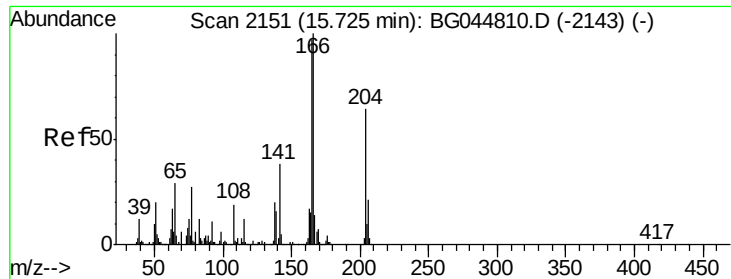
mohammad  
3/18/2020 8:44:15 AM



#60  
Diethylphthalate  
Concen: 40.025 ng  
RT: 15.51 min Scan# 2113  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 830551 |       |       |
| 177     | 23.9  |        | 19.3  | 28.9  |
| 150     | 13.2  |        | 11.0  | 16.6  |





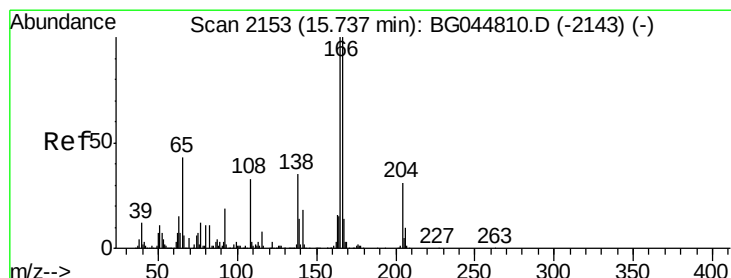
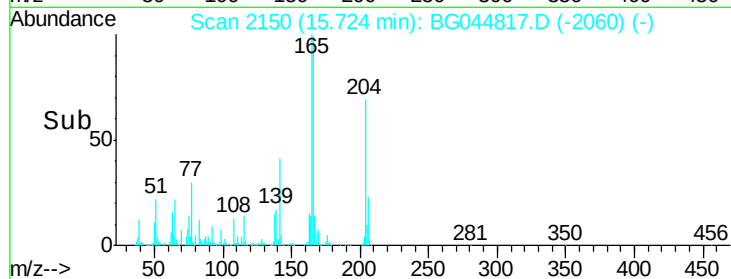
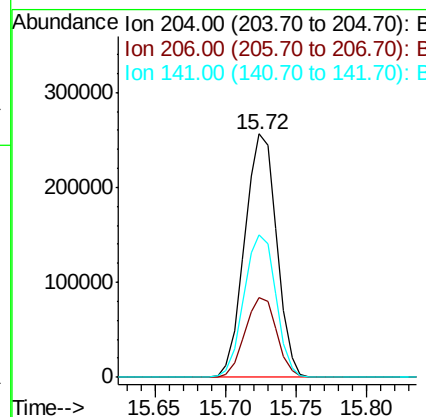
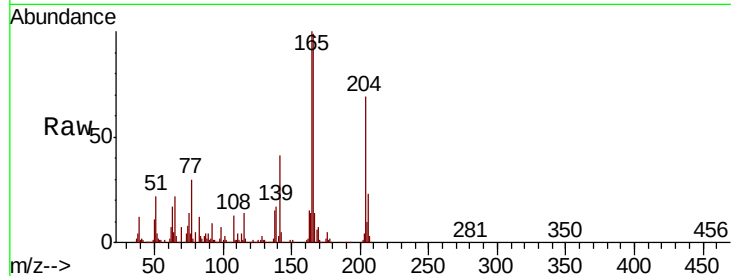
#61  
 4-Chlorophenyl-phenylether  
 Concen: 40.443 ng  
 RT: 15.72 min Scan# 2150  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 406450 |       |       |
| 206     | 32.9  | 26.2   | 39.2  |       |
| 141     | 58.6  | 47.7   | 71.5  |       |

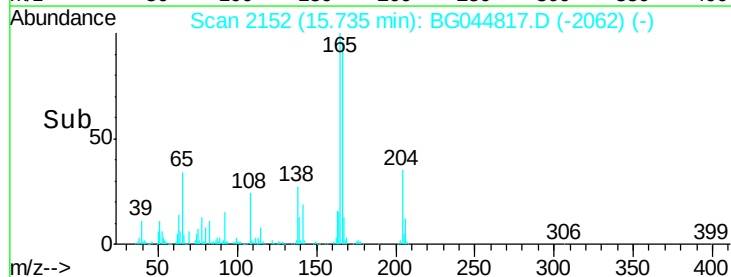
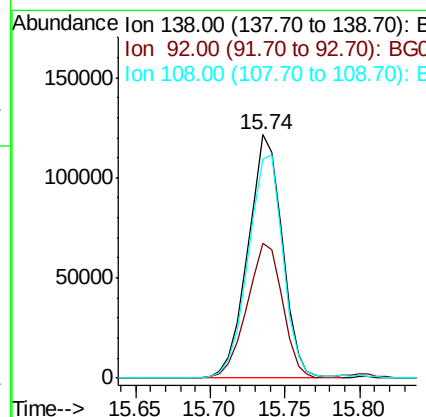
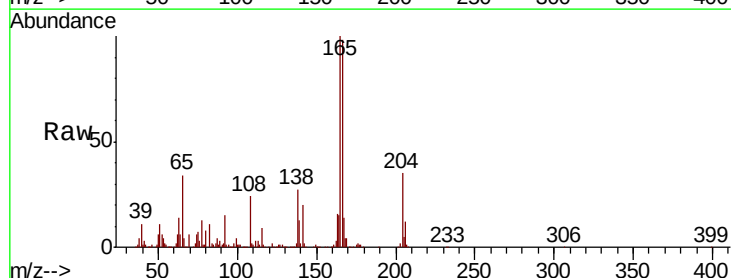
Manual Integrations  
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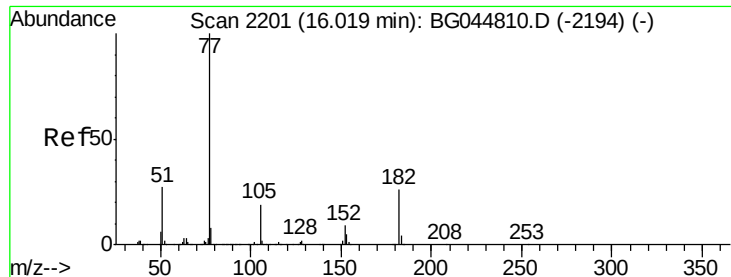
mohammad  
 3/18/2020 8:44:15 AM



#62  
 4-Nitroaniline  
 Concen: 39.236 ng  
 RT: 15.74 min Scan# 2152  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 192903 |       |       |
| 92      | 55.6  | 34.5   | 74.5  |       |
| 108     | 90.2  | 74.5   | 114.5 |       |





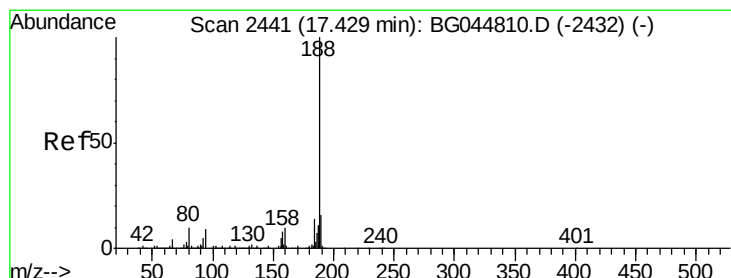
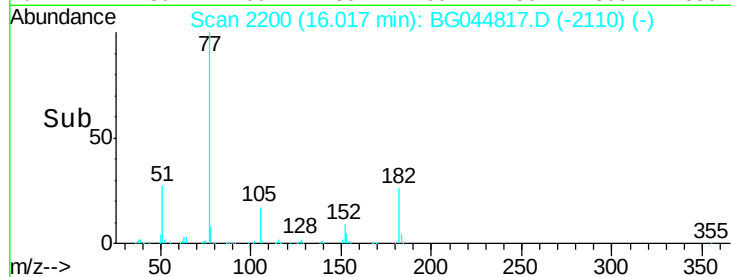
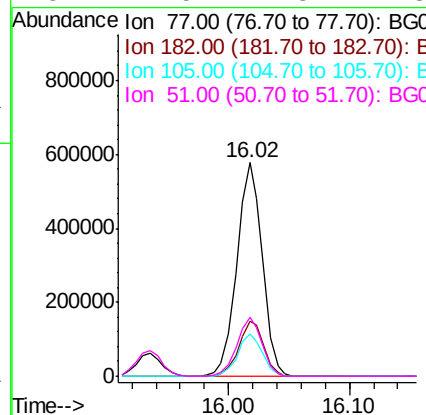
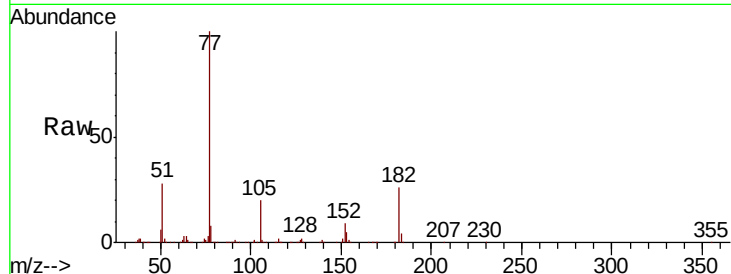
#63  
Azobenzene  
Concen: 38.967 ng  
RT: 16.02 min Scan# 2200  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 839699 |       |       |
| 182     | 25.8 | 6.4   | 46.4   |       |       |
| 105     | 19.8 | 0.0   | 39.1   |       |       |
| 51      | 27.5 | 7.3   | 47.3   |       |       |

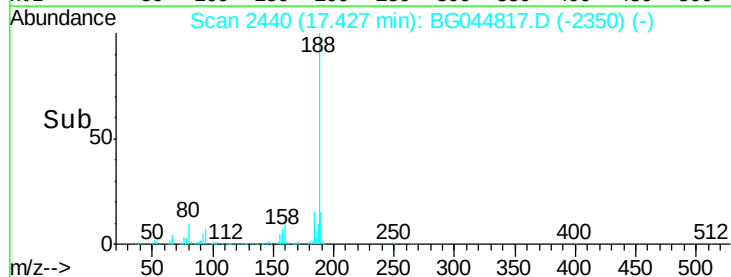
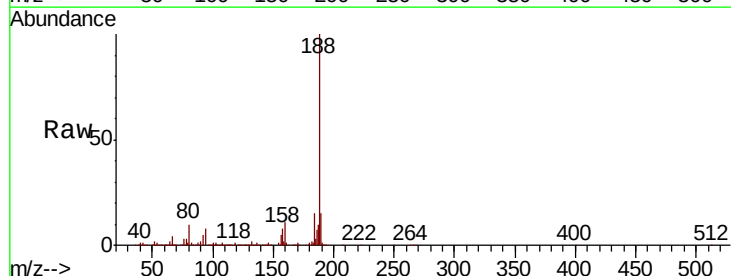
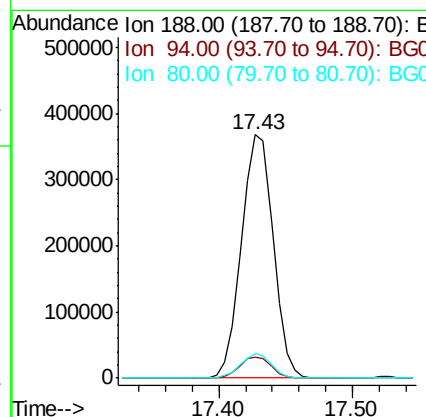
Manual Integrations  
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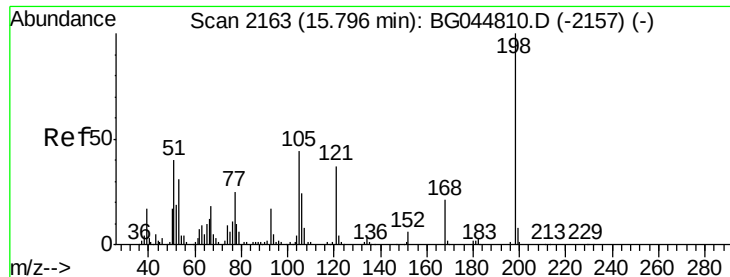
mohammad  
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2440  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 188     | 100  |       | 605132 |       |       |
| 94      | 8.4  | 7.3   | 10.9   |       |       |
| 80      | 10.3 | 8.0   | 12.0   |       |       |





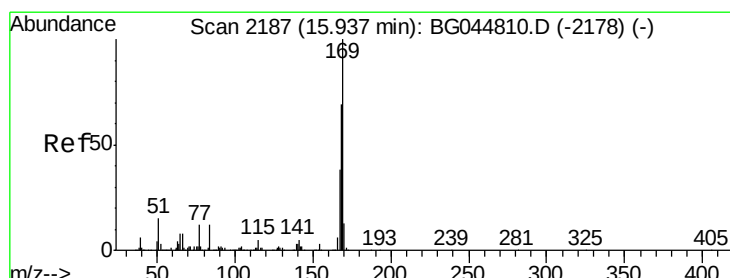
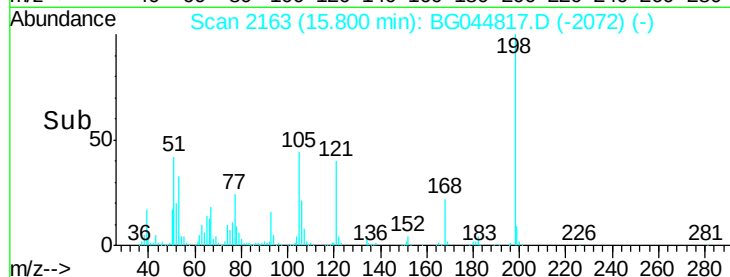
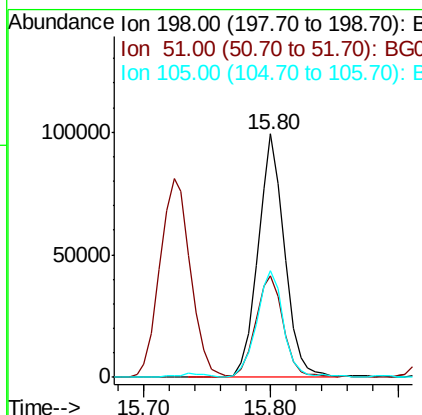
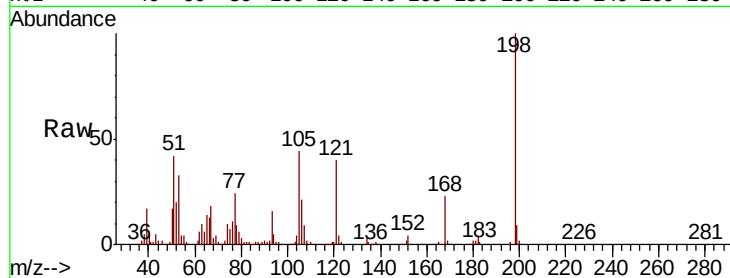
#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.420 ng  
RT: 15.80 min Scan# 2163  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 144901 |       |       |
| 51      | 41.5  | 21.1   | 61.1  |       |
| 105     | 43.7  | 24.5   | 64.5  |       |

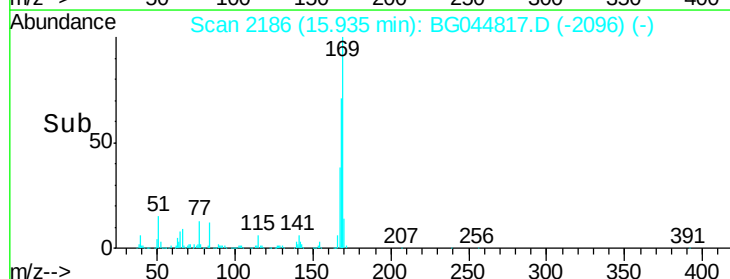
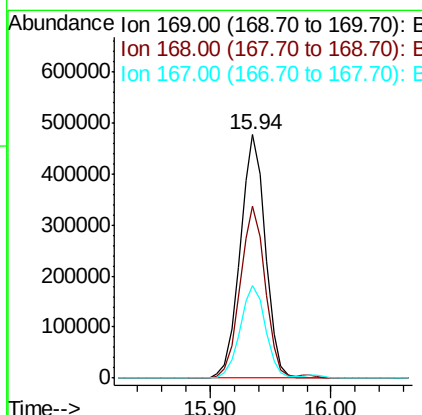
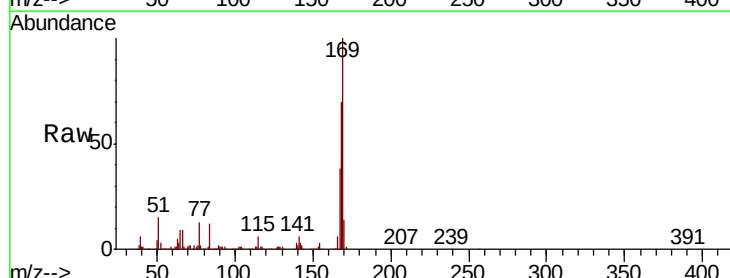
Manual Integrations  
APPROVED

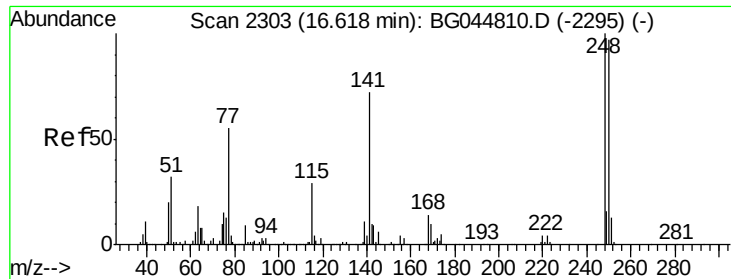
mohammad  
3/18/2020 8:44:15 AM



#66  
n-Nitrosodiphenylamine  
Concen: 37.998 ng  
RT: 15.94 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 692265 |       |       |
| 168     | 70.5  | 55.4   | 83.2  |       |
| 167     | 38.1  | 30.1   | 45.1  |       |





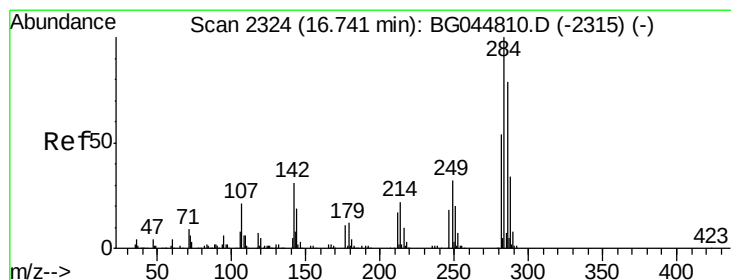
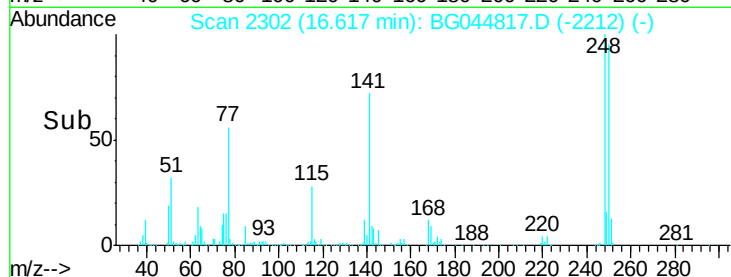
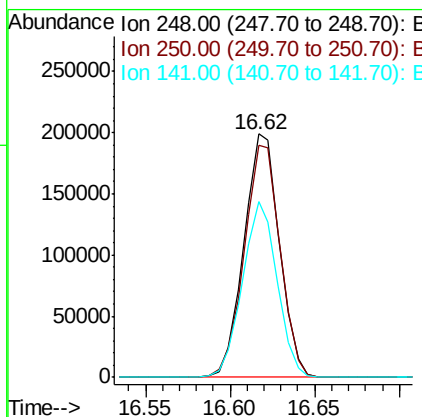
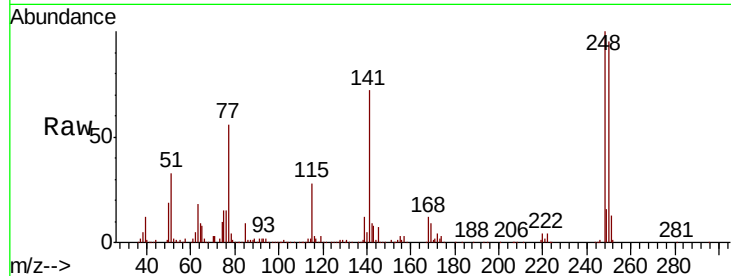
#67  
4-Bromophenyl-phenylether  
Concen: 38.460 ng  
RT: 16.62 min Scan# 2302  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.5  | 77.9  | 116.9 |
| 141     | 72.3  | 57.5  | 86.3  |

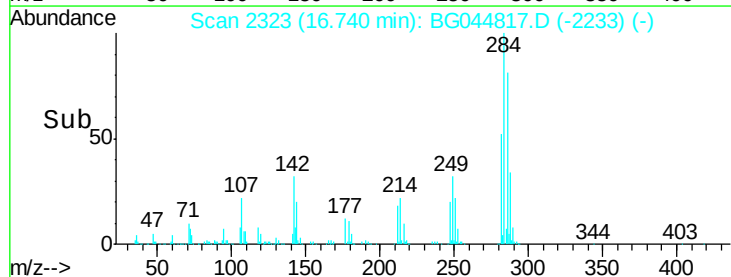
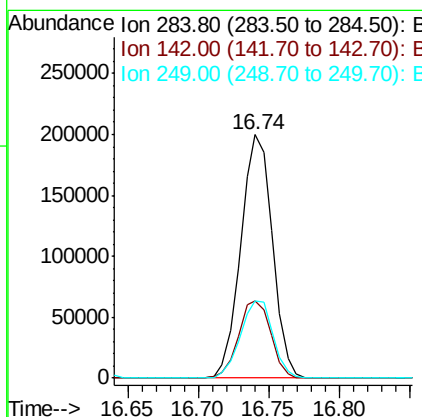
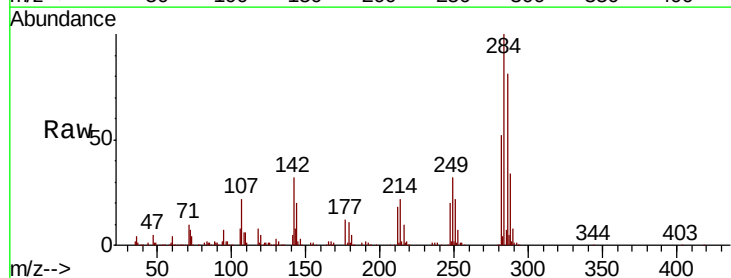
Manual Integrations  
APPROVED

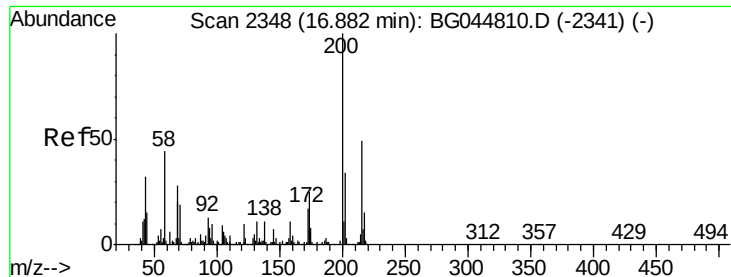
mohammad  
3/18/2020 8:44:15 AM



#68  
Hexachlorobenzene  
Concen: 38.152 ng  
RT: 16.74 min Scan# 2323  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 31.5  | 25.0  | 37.6  |
| 249     | 31.8  | 25.8  | 38.8  |





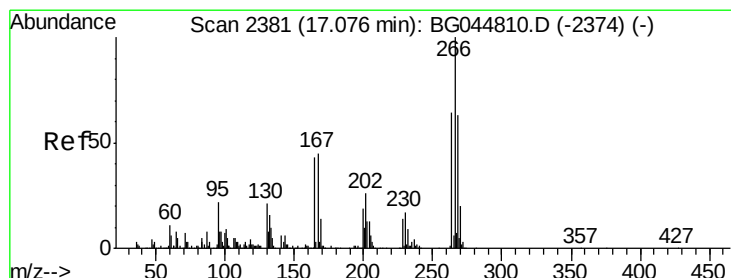
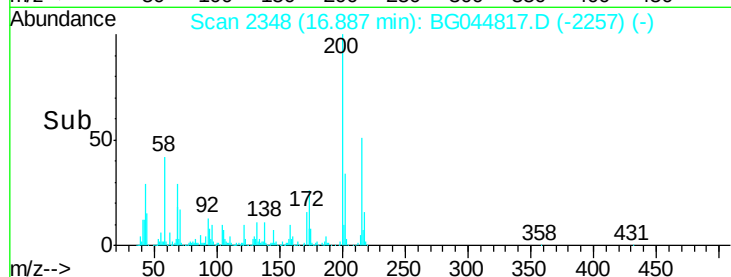
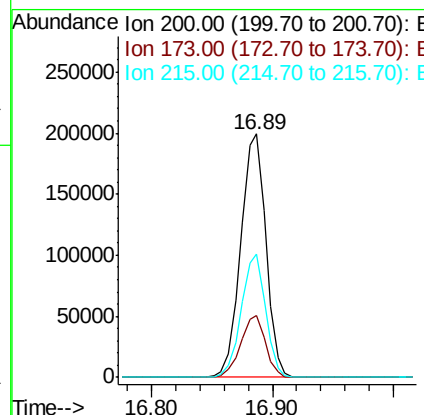
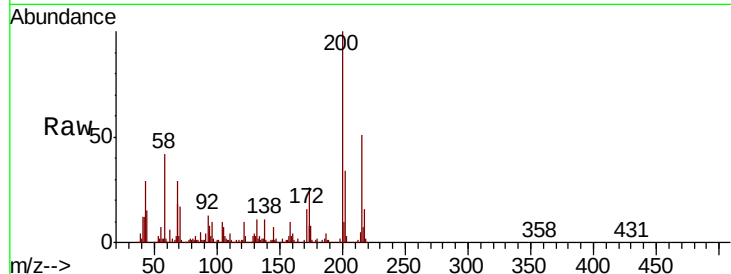
#69  
Atrazine  
Concen: 43.278 ng  
RT: 16.89 min Scan# 2348  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.5  | 5.3   | 45.3  |
| 215     | 50.8  | 28.9  | 68.9  |

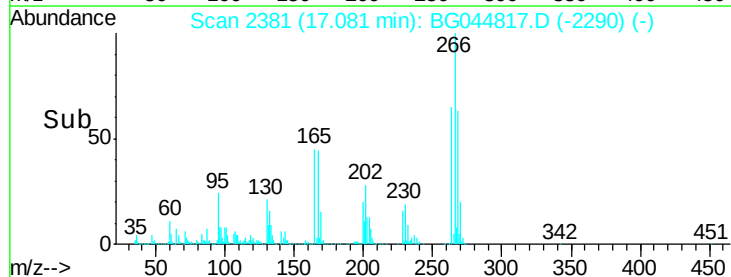
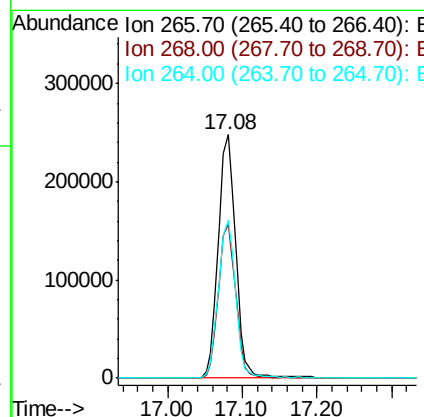
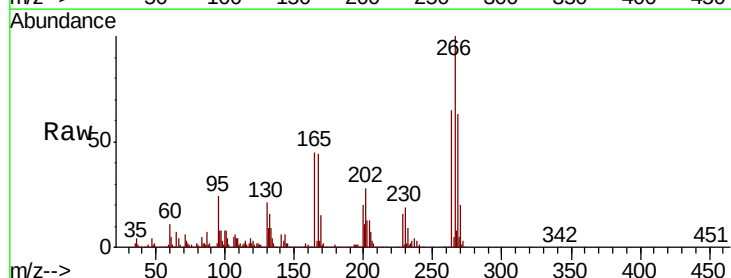
Manual Integrations  
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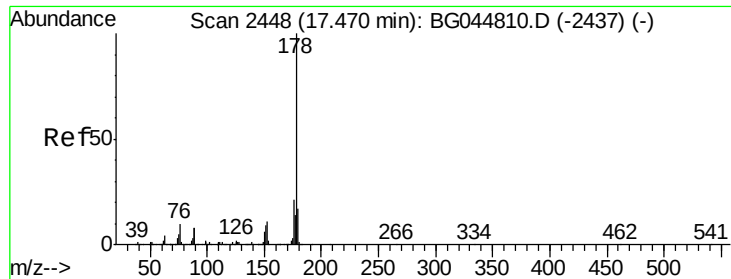
mohammad  
3/18/2020 8:44:15 AM



#70  
Pentachlorophenol  
Concen: 89.625 ng  
RT: 17.08 min Scan# 2381  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.3  | 50.3  | 75.5  |
| 264     | 64.9  | 51.4  | 77.2  |





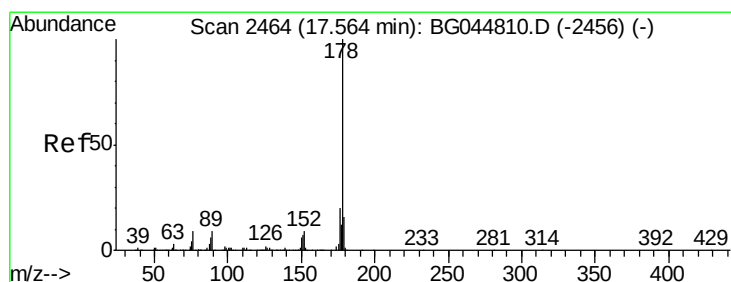
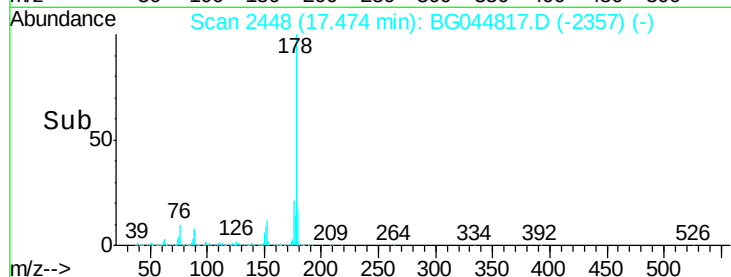
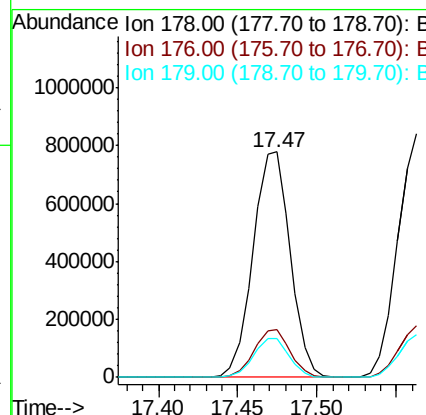
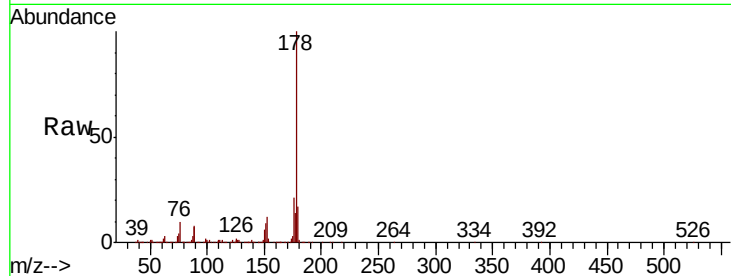
#71  
Phenanthrene  
Concen: 39.295 ng  
RT: 17.47 min Scan# 2448  
Delta R.T. 0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampled :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.4  | 16.6  | 24.8  |
| 179     | 17.2  | 13.5  | 20.3  |

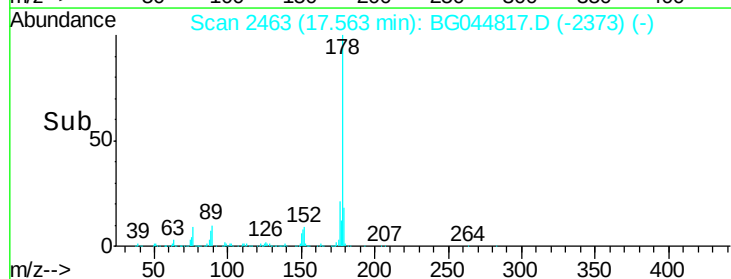
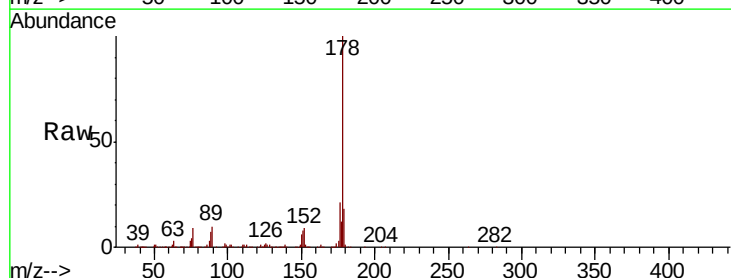
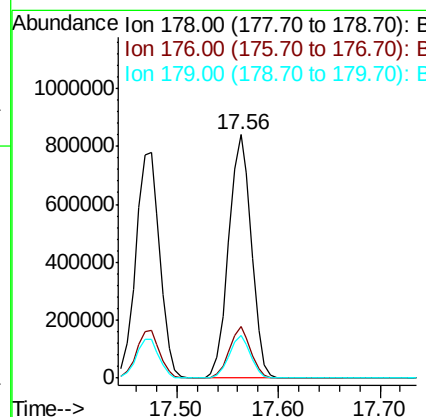
Manual Integrations  
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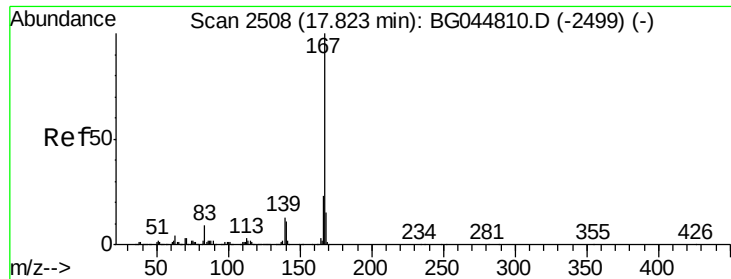


#72  
Anthracene  
Concen: 40.776 ng  
RT: 17.56 min Scan# 2463  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.2  | 15.9  | 23.9  |
| 179     | 17.6  | 13.2  | 19.8  |







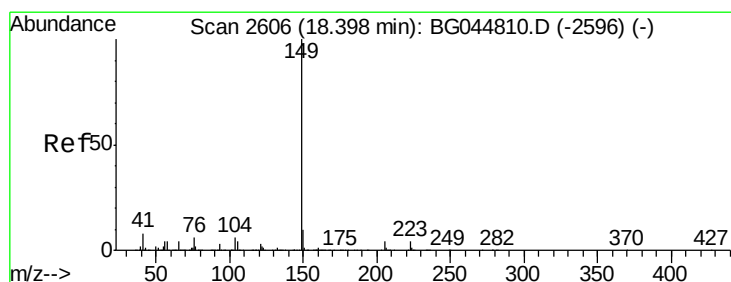
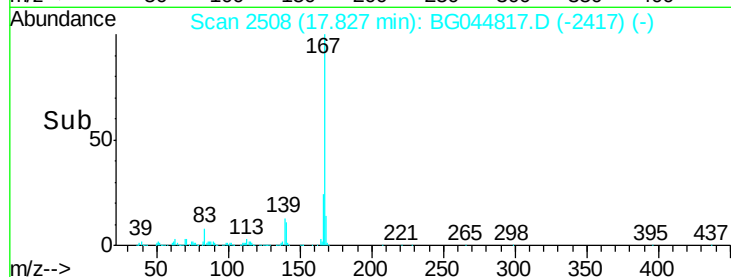
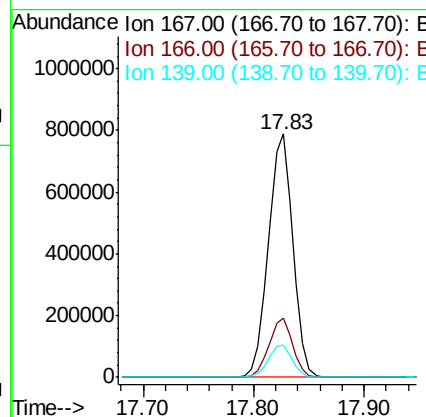
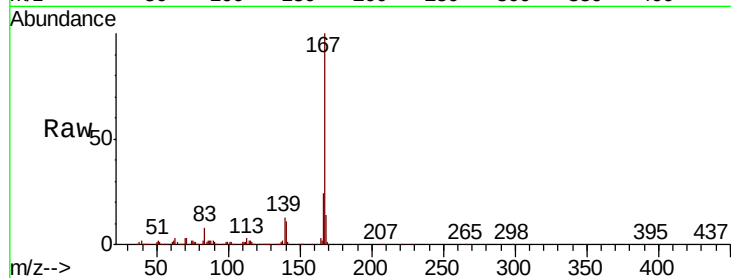
#73  
 Carbazole  
 Concen: 40.057 ng  
 RT: 17.83 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampled :  
 Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 24.1  | 18.8  | 28.2  |
| 139     | 13.1  | 10.8  | 16.2  |

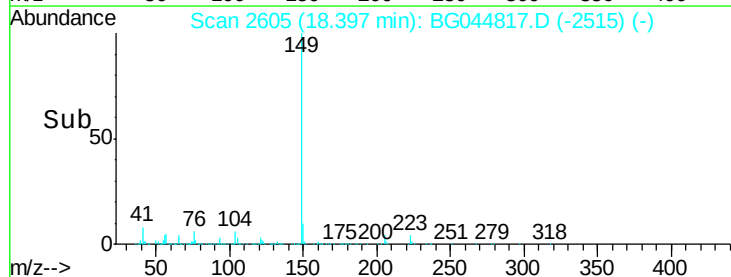
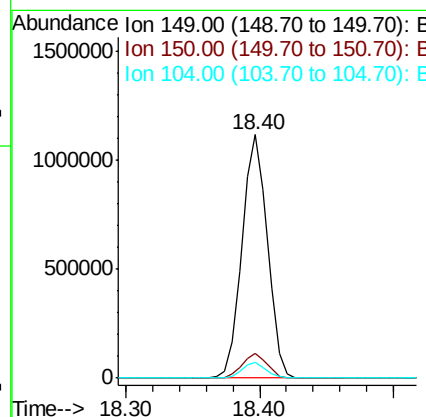
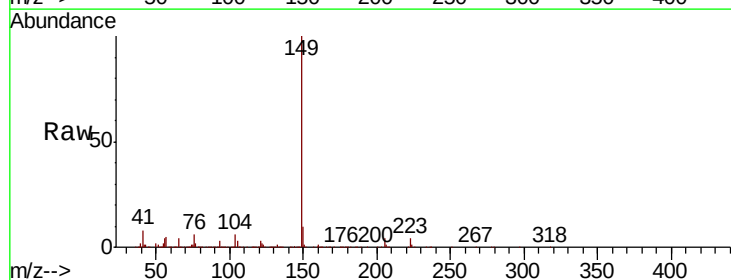
Manual Integrations  
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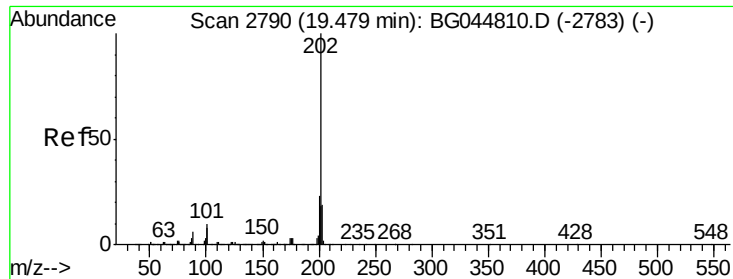
mohammad  
 3/18/2020 8:44:15 AM



#74  
 Di-n-butylphthalate  
 Concen: 39.495 ng  
 RT: 18.40 min Scan# 2605  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.3  | 8.1   | 12.1  |
| 104     | 6.5   | 5.0   | 7.4   |





#75

Fluoranthene

Concen: 40.003 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

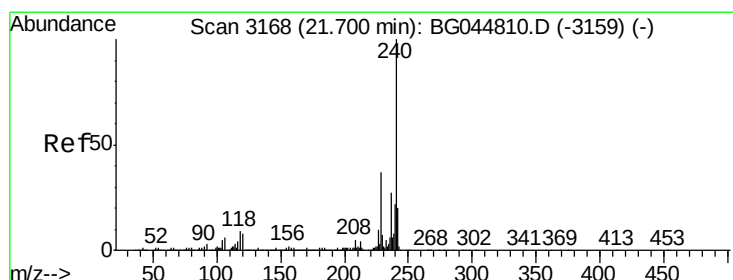
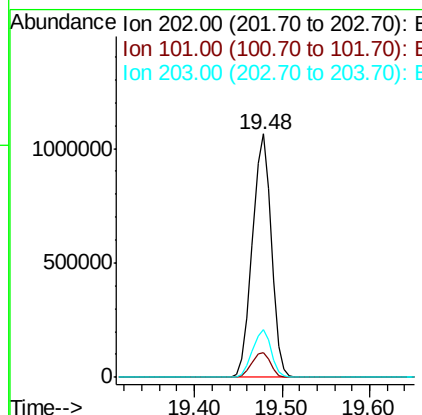
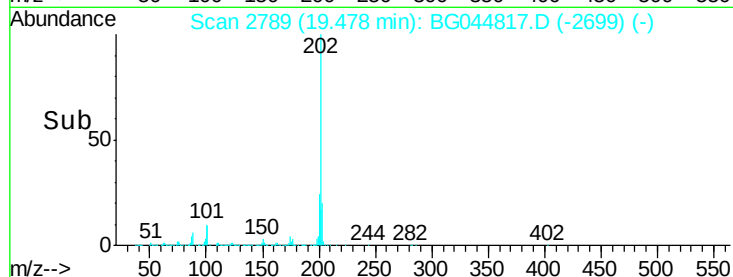
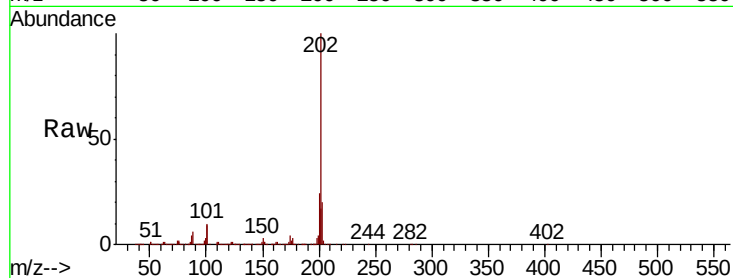
ClientSampleId :

Z1-3MSD

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1540232 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 10.1  | 0.0   | 29.8    |
| 203       | 19.5  | 0.0   | 39.4    |

Manual Integrations  
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#76

Chrysene-d12

Concen: 20.000 ng

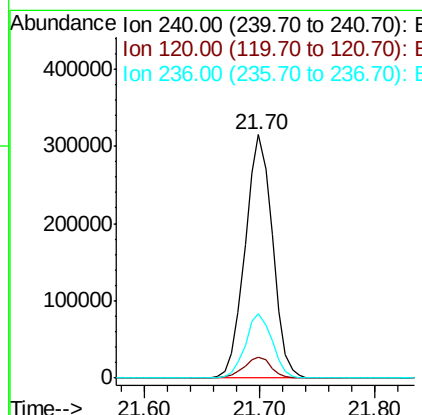
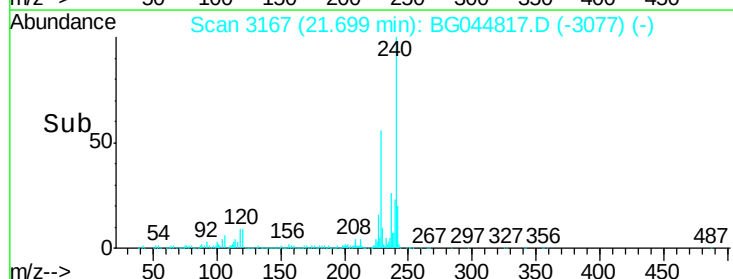
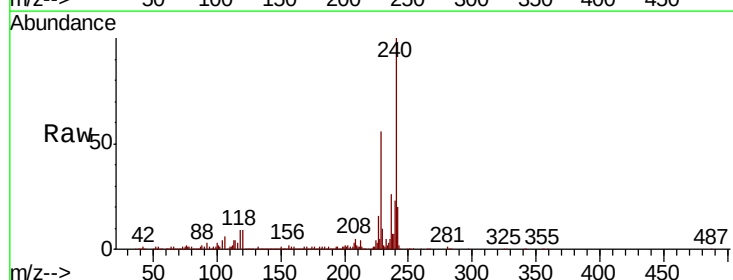
RT: 21.70 min Scan# 3167

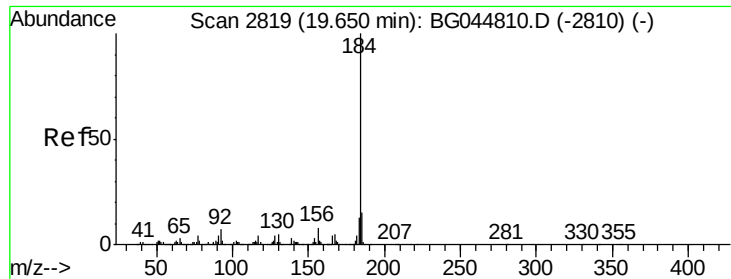
Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 519120 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.7   | 6.7   | 10.1   |
| 236       | 26.3  | 21.5  | 32.3   |





#77

Benzidine

Concen: 23.784 ng

RT: 19.65 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

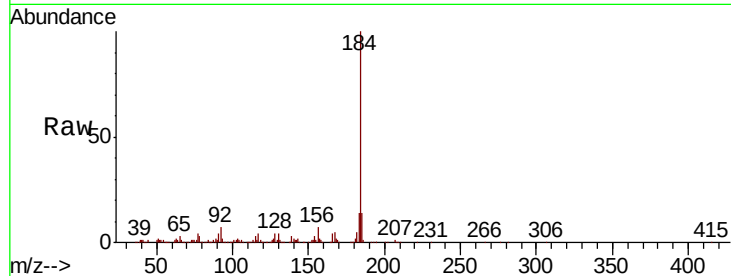
ClientSampleId :

Z1-3MSD

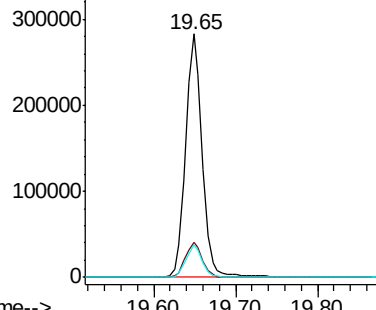
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 400831 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 12.2  | 18.4   |
| 183       | 13.6  | 10.7  | 16.1   |

Manual Integrations  
APPROVED

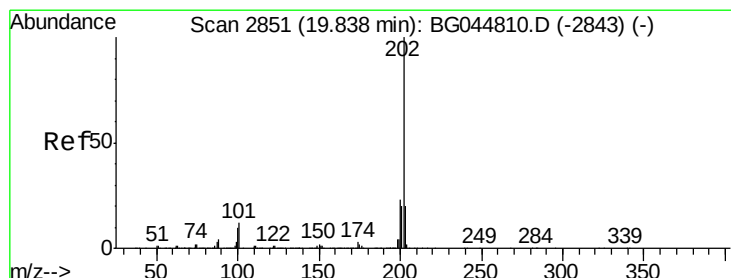
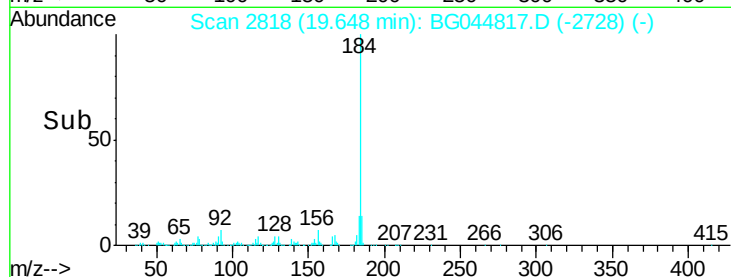
mohammad  
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Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 40.268 ng

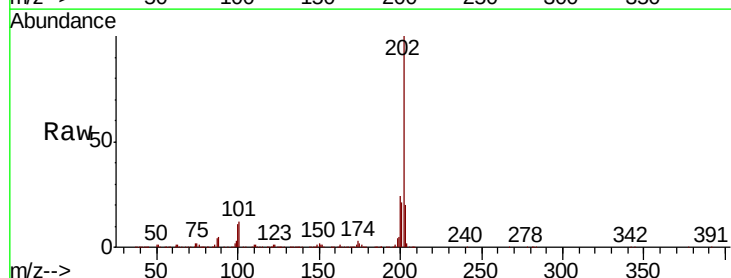
RT: 19.84 min Scan# 2850

Delta R.T. -0.00 min

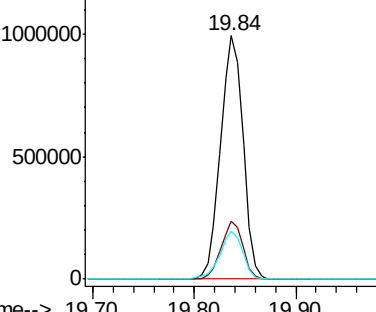
Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

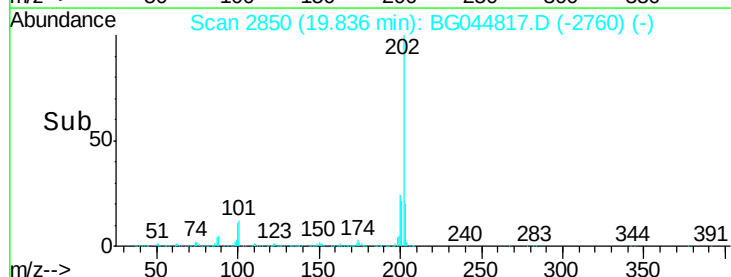
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1533645 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 23.7  | 18.3  | 27.5    |
| 203       | 19.6  | 15.6  | 23.4    |

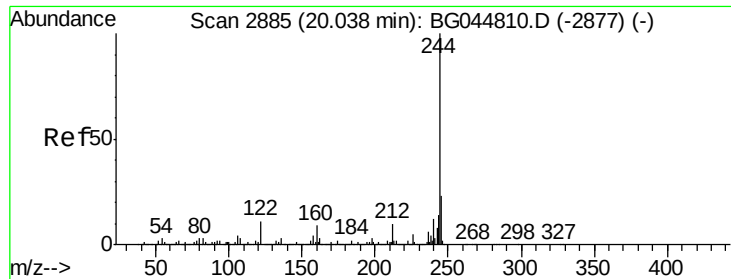


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



Time-->





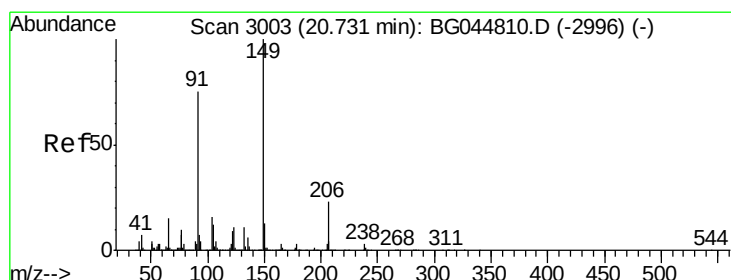
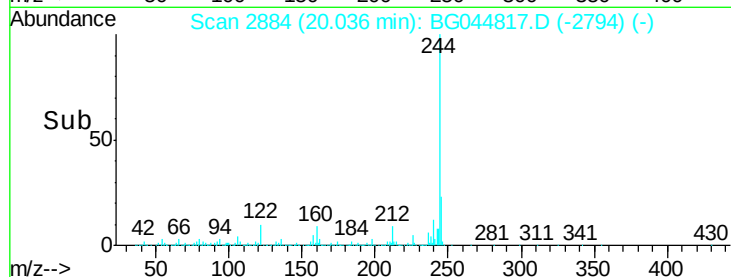
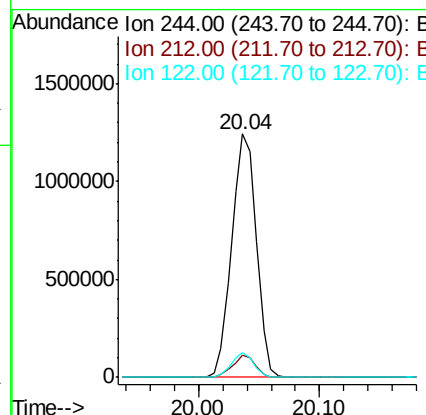
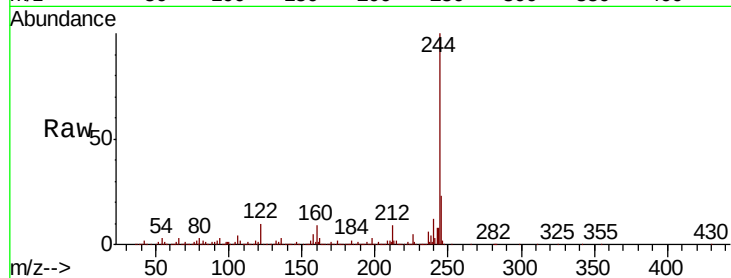
#79  
 Terphenyl-d14  
 Concen: 63.450 ng  
 RT: 20.04 min Scan# 2884  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.1   | 7.7   | 11.5  |
| 122     | 10.2  | 8.6   | 12.8  |

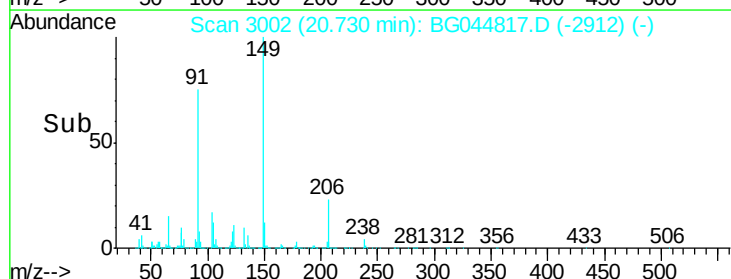
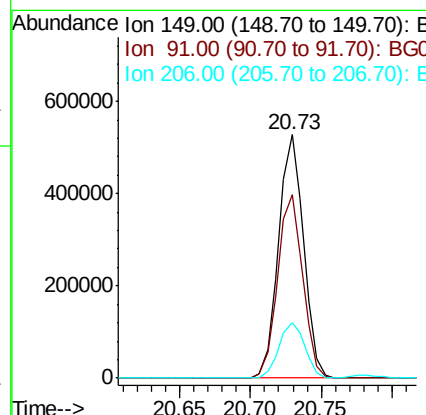
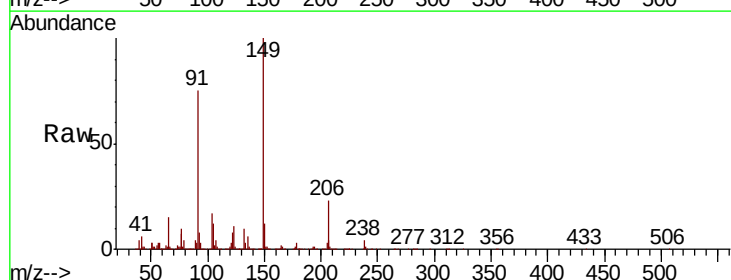
Manual Integrations  
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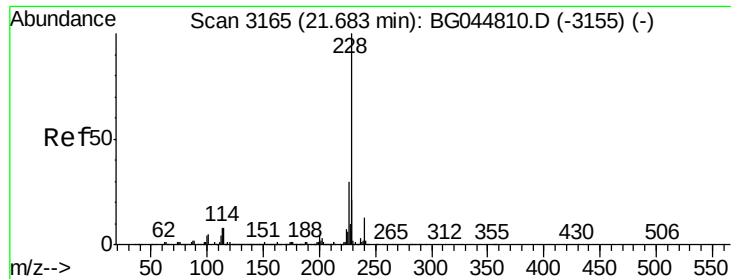
mohammad  
 3/18/2020 8:44:15 AM



#80  
 Butylbenzylphthalate  
 Concen: 38.541 ng  
 RT: 20.73 min Scan# 3002  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 75.2  | 60.2  | 90.4  |
| 206     | 22.9  | 18.6  | 27.8  |





#81

Benzo(a)anthracene

Concen: 39.252 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

ClientSampled :

Z1-3MSD

Tot Ion:228 Resp: 1467265

Ion Ratio Lower Upper

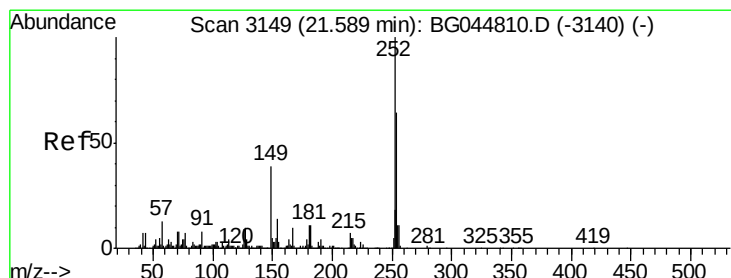
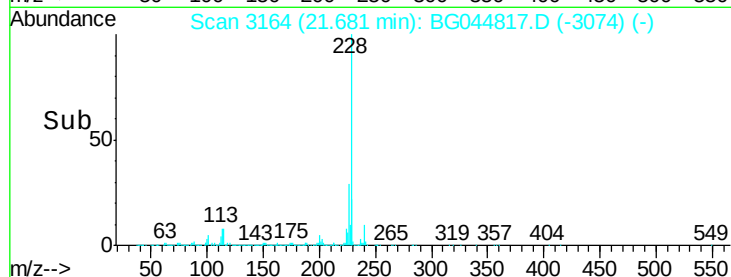
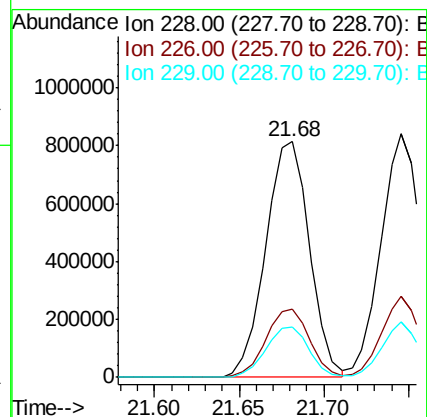
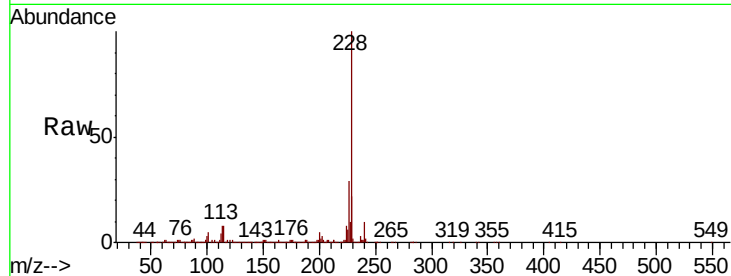
228 100

226 29.1 23.6 35.4

229 21.6 17.1 25.7

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#82

3,3'-Dichlorobenzidine

Concen: 19.924 ng

RT: 21.59 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

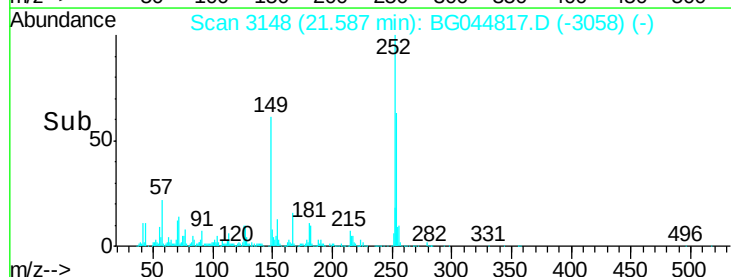
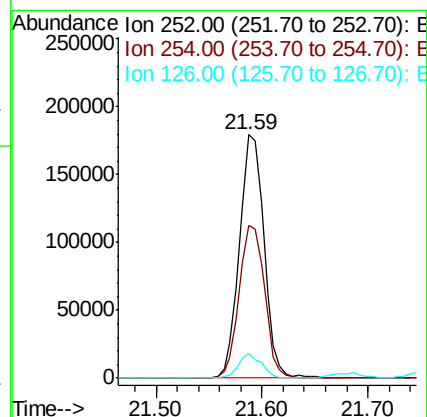
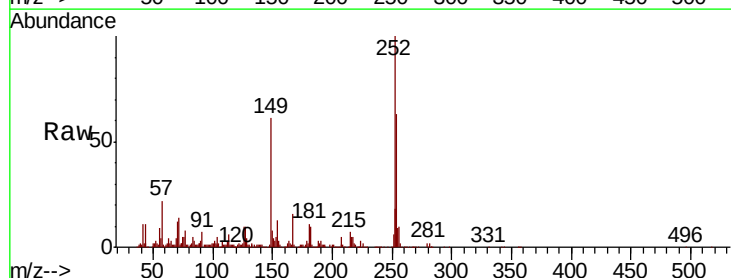
Tgt Ion:252 Resp: 288126

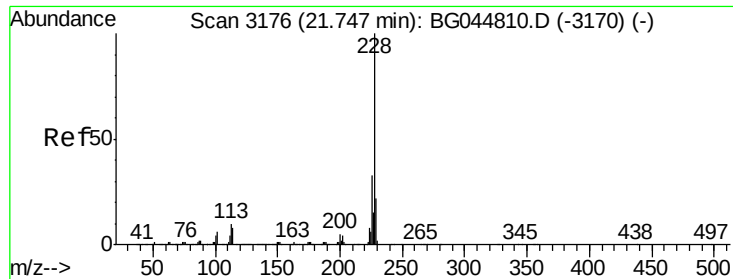
Ion Ratio Lower Upper

252 100

254 62.7 51.6 77.4

126 10.1 7.0 10.6





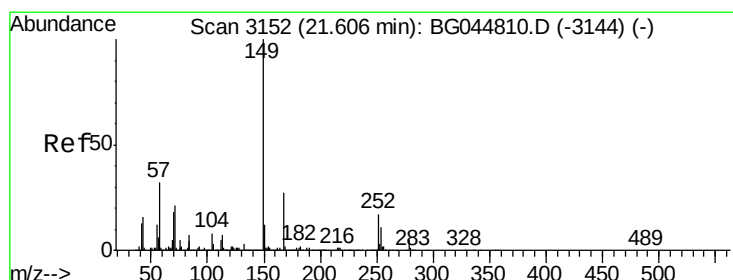
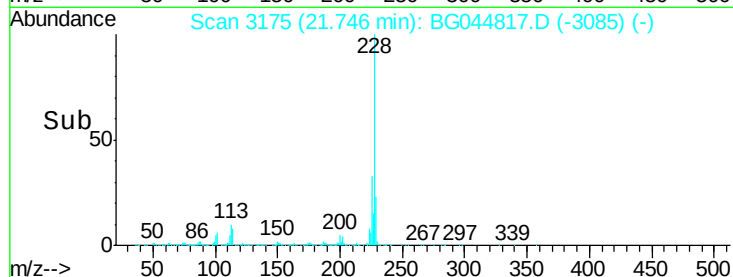
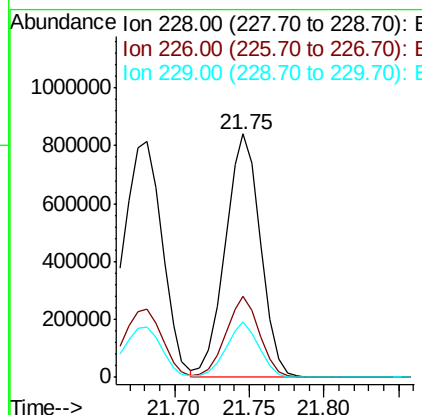
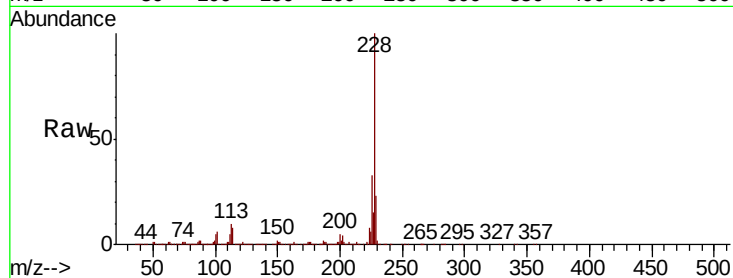
#83  
 Chrysene  
 Concen: 38.642 ng  
 RT: 21.75 min Scan# 3175  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.1  | 25.9  | 38.9  |
| 229     | 22.6  | 17.4  | 26.0  |

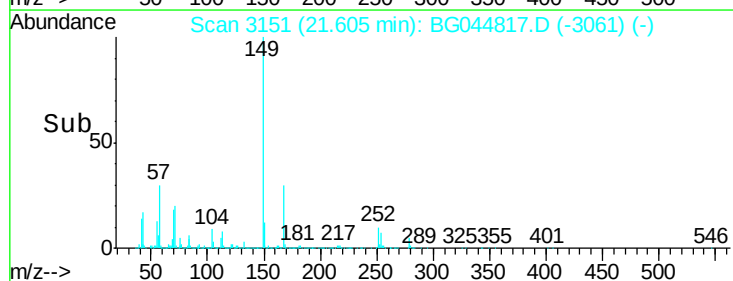
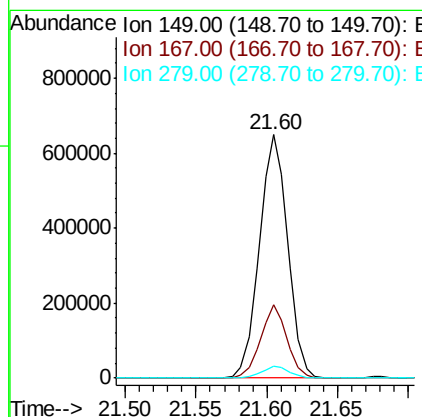
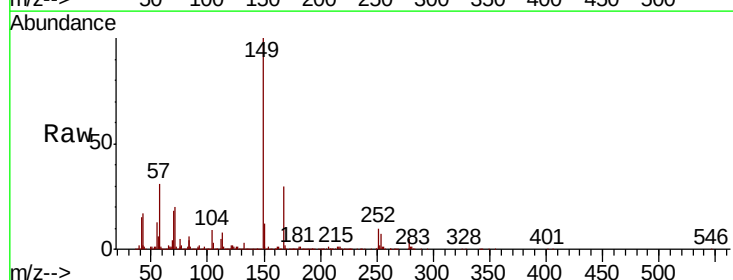
Manual Integrations  
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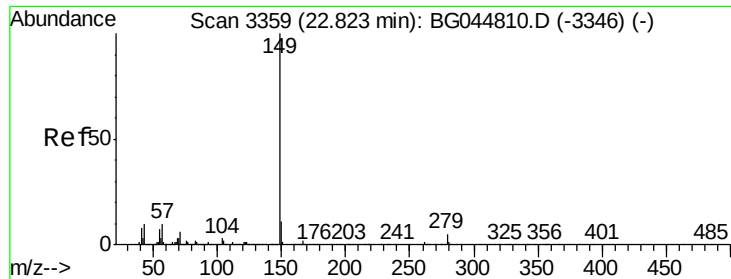
mohammad  
 3/18/2020 8:44:15 AM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.073 ng  
 RT: 21.60 min Scan# 3151  
 Delta R.T. -0.00 min  
 Lab File: BG044817.D  
 Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.9  | 21.8  | 32.6  |
| 279     | 4.8   | 3.8   | 5.6   |





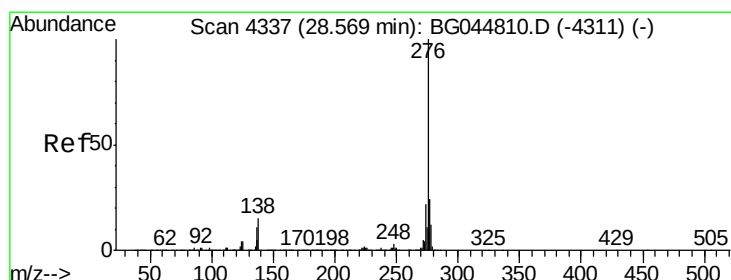
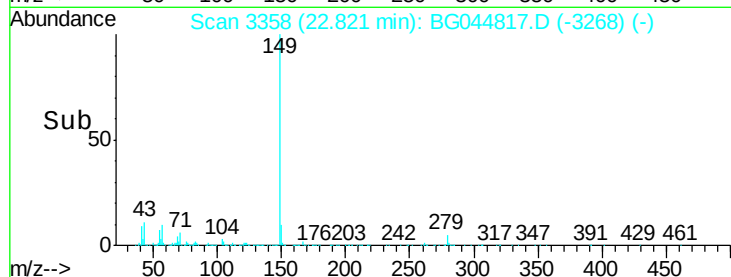
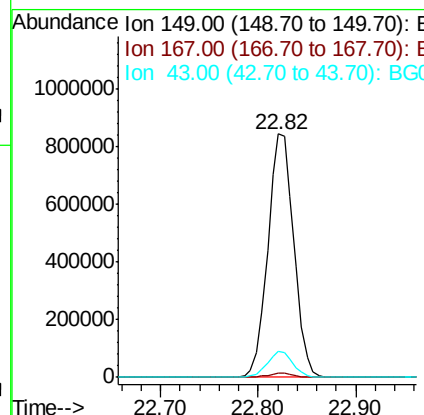
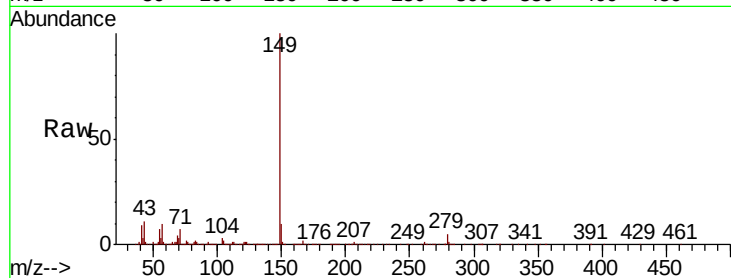
#85  
Di-n-octyl phthalate  
Concen: 39.992 ng  
RT: 22.82 min Scan# 3358  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 10.4  | 8.2   | 12.4  |

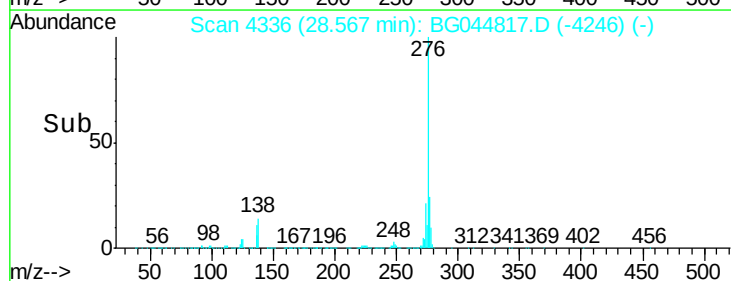
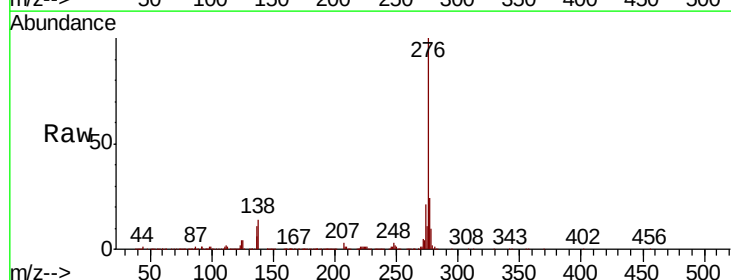
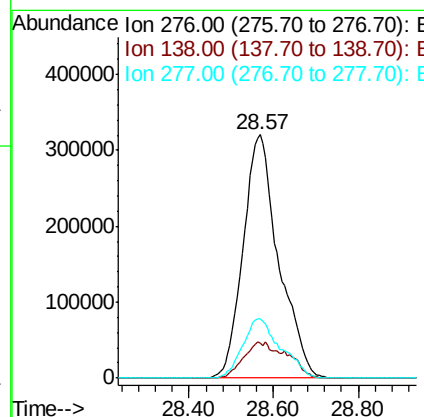
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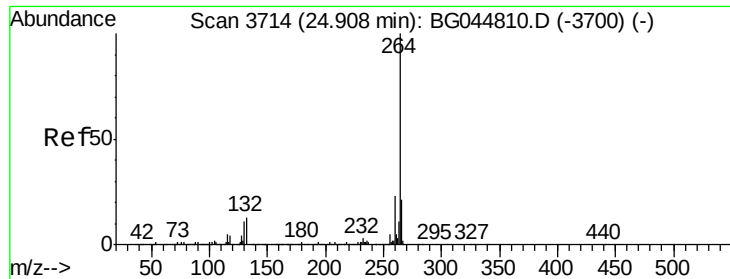
mohammad  
3/18/2020 8:44:15 AM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 39.825 ng  
RT: 28.57 min Scan# 4336  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.2  | 7.4   | 11.0# |
| 277     | 26.1  | 20.8  | 31.2  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3713

Delta R.T. -0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

Instrument :

BNA\_G

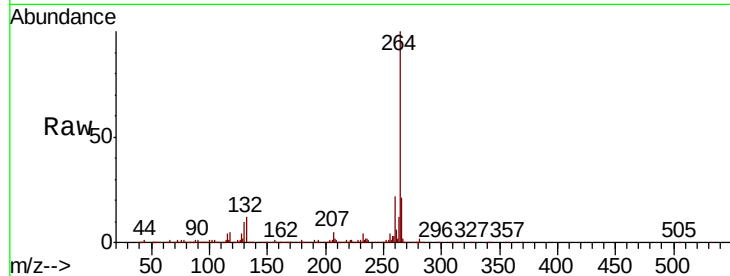
ClientSampled :

Z1-3MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 611550 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 21.9 | 18.1  | 27.1   |
| 265       | 20.9 | 17.1  | 25.7   |

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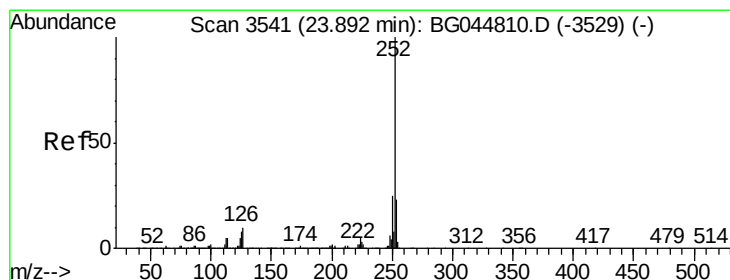
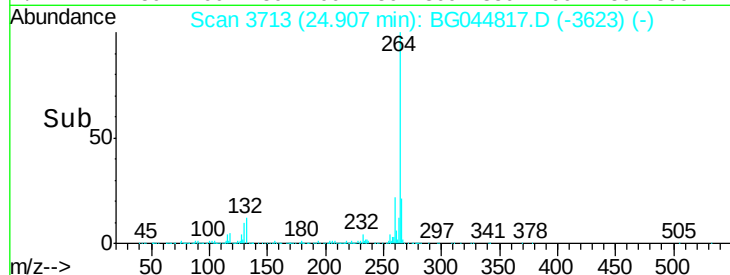
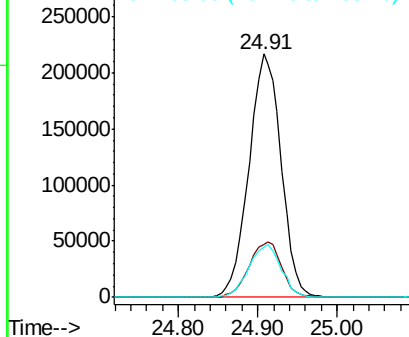


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 38.104 ng

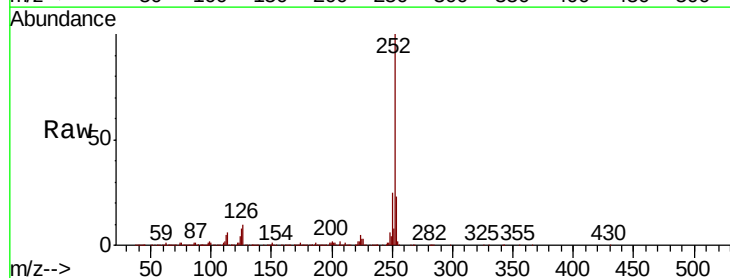
RT: 23.90 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BG044817.D

Acq: 16 Mar 2020 17:38

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 252  | Resp: | 1538363 |
| Ion Ratio |      | Lower | Upper   |
| 252       | 100  |       |         |
| 253       | 23.5 | 18.1  | 27.1    |
| 125       | 7.6  | 6.6   | 9.8     |

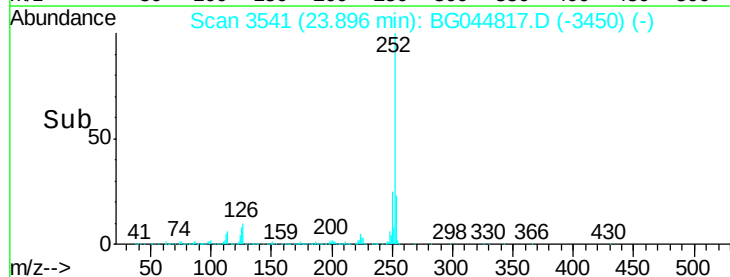
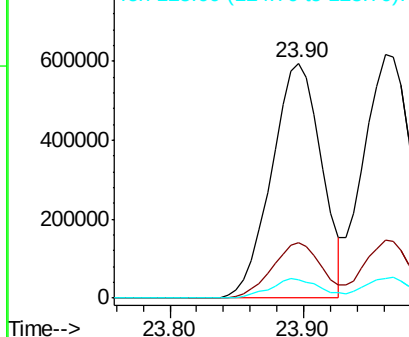


Abundance

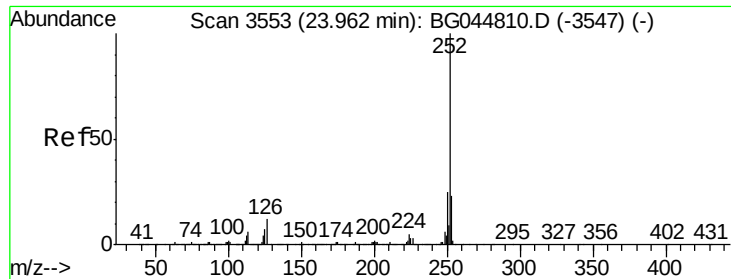
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







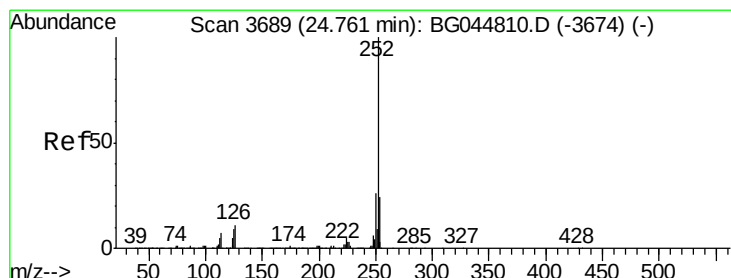
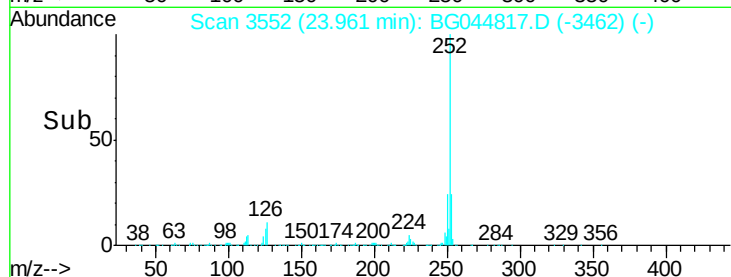
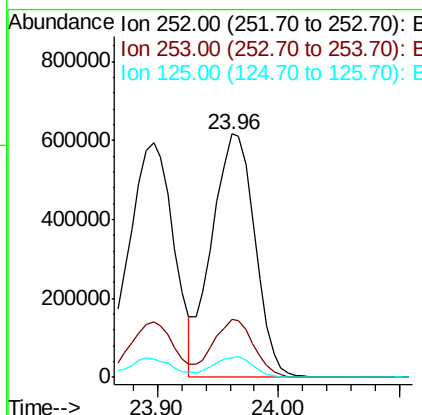
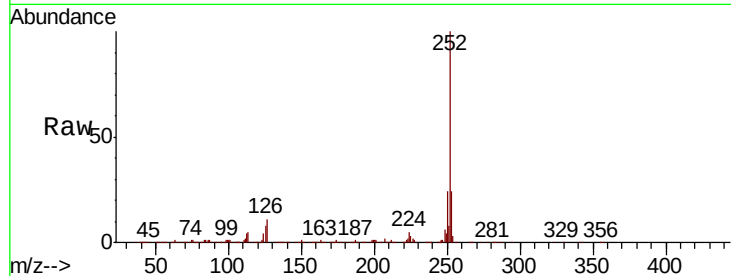
#89  
Benzo(k)fluoranthene  
Concen: 39.881 ng  
RT: 23.96 min Scan# 3552  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.5  | 27.7  |
| 125     | 8.3   | 6.2   | 9.2   |

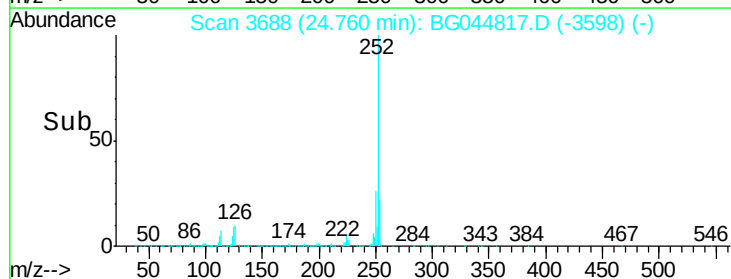
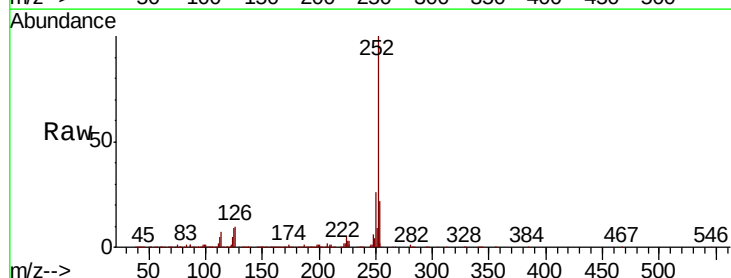
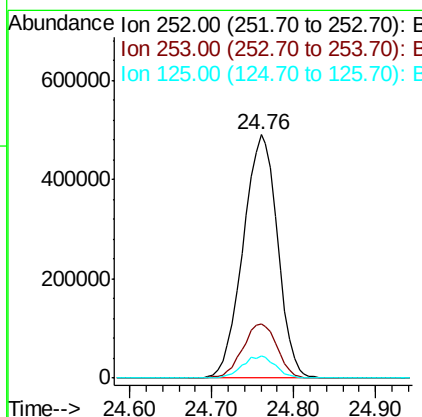
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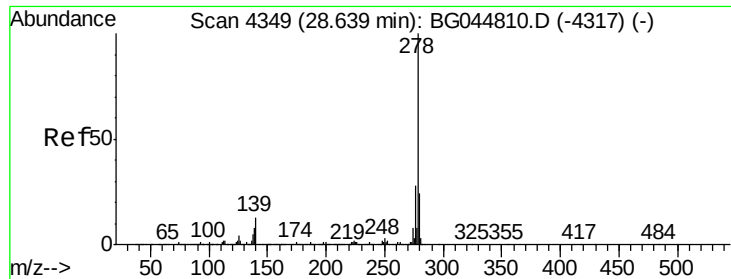
mohammad  
3/18/2020 8:44:15 AM



#90  
Benzo(a)pyrene  
Concen: 37.966 ng  
RT: 24.76 min Scan# 3688  
Delta R.T. -0.00 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 19.4  | 29.0  |
| 125     | 9.3   | 7.2   | 10.8  |





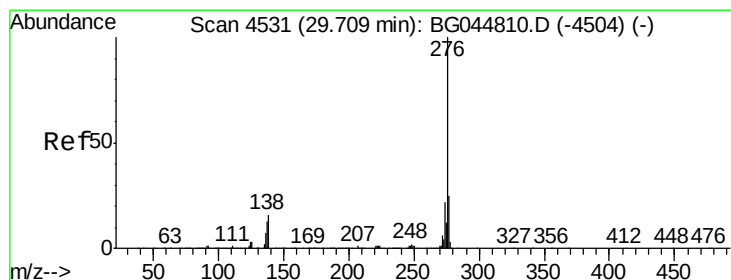
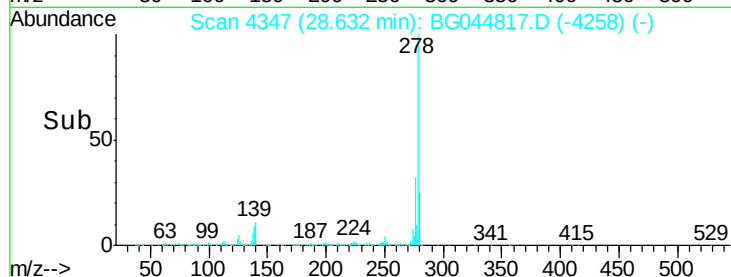
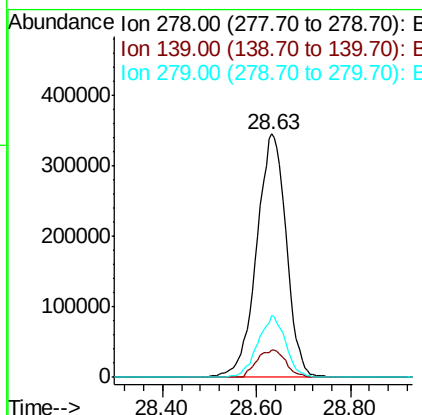
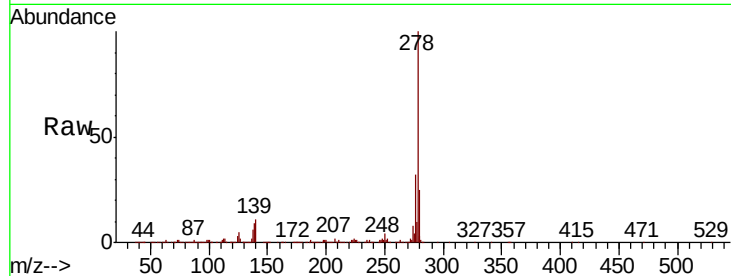
#91  
Dibenzo(a,h)anthracene  
Concen: 40.600 ng  
RT: 28.63 min Scan# 4347  
Delta R.T. -0.01 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

Instrument :  
BNA\_G  
ClientSampleId :  
Z1-3MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.5  | 10.2  | 15.2  |
| 279     | 25.1  | 18.9  | 28.3  |

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#92  
Benzo(g,h,i)perylene  
Concen: 40.738 ng  
RT: 29.70 min Scan# 4529  
Delta R.T. -0.01 min  
Lab File: BG044817.D  
Acq: 16 Mar 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 20.1  | 30.1  |
| 138     | 15.5  | 13.0  | 19.6  |

