

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\  
 Data File : BF114712.D  
 Acq On : 31 May 2019 16:58  
 Operator : HP/JU  
 Sample : K3066-03MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

Manual Integrations  
 APPROVED

mohammad  
 6/3/2019 8:49:33 AM

Quant Time: Jun 01 01:05:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 19:08:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 363147   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.98  | 136  | 1381252  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.73  | 164  | 701171   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.20 | 188  | 1416164  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.82 | 240  | 870661   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.21 | 264  | 1000074  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.31  | 112 | 2448055 | 118.36 | ng | 0.02 |
| 7) Phenol-d6             | 6.34  | 99  | 3072231 | 123.26 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.26  | 82  | 1914307 | 86.47  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.51 | 330 | 876035  | 131.12 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.06  | 172 | 3117803 | 83.19  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.78 | 244 | 3315196 | 71.59  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.39 | 88  | 366500  | 36.924 | ng | 97     |
| 3) Pyridine                    | 3.08 | 79  | 909414  | 31.482 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 454066  | 38.843 | ng | 94     |
| 6) Aniline                     | 6.36 | 93  | 1005312 | 26.702 | ng | # 58   |
| 8) 2-Chlorophenol              | 6.49 | 128 | 1058554 | 44.315 | ng | 98     |
| 9) Benzaldehyde                | 6.24 | 77  | 504622  | 34.741 | ng | 96     |
| 10) Phenol                     | 6.35 | 94  | 1275576 | 42.364 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 969912  | 42.114 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146 | 1109030 | 40.751 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146 | 1120022 | 41.024 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.87 | 146 | 1053980 | 42.404 | ng | 99     |
| 15) Benzyl Alcohol             | 6.84 | 79  | 872335  | 44.494 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45  | 1348715 | 38.181 | ng | 98     |
| 17) 2-Methylphenol             | 6.96 | 107 | 886101  | 43.859 | ng | 99     |
| 18) Hexachloroethane           | 7.21 | 117 | 404414  | 39.124 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70  | 687939  | 39.986 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.11 | 107 | 1000971 | 42.125 | ng | 94     |
| 22) Acetophenone               | 7.11 | 105 | 1371899 | 46.615 | ng | 98     |
| 24) Nitrobenzene               | 7.28 | 77  | 1075869 | 45.747 | ng | 93     |
| 25) Isophorone                 | 7.52 | 82  | 1967281 | 44.277 | ng | 99     |
| 26) 2-Nitrophenol              | 7.59 | 139 | 587974  | 51.362 | ng | 100    |
| 27) 2,4-Dimethylphenol         | 7.64 | 122 | 952151  | 50.011 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93  | 1242165 | 43.919 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.84 | 162 | 921809  | 47.568 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.92 | 180 | 977416  | 44.270 | ng | 99     |
| 31) Naphthalene                | 8.00 | 128 | 2839901 | 44.637 | ng | 100    |
| 32) Benzoic acid               | 7.70 | 122 | 82273m  | 6.653  | ng |        |
| 33) 4-Chloroaniline            | 8.05 | 127 | 602917  | 19.890 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.13 | 225 | 519987  | 42.396 | ng | 99     |
| 35) Caprolactam                | 8.42 | 113 | 287438m | 43.952 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.53 | 107 | 948670  | 48.815 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.69 | 142 | 1957452 | 46.306 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.79 | 142 | 1861589 | 46.480 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 814077  | 43.597 | ng | 99     |

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 Sample : K3066-03MS  
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Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

Manual Integrations  
 APPROVED

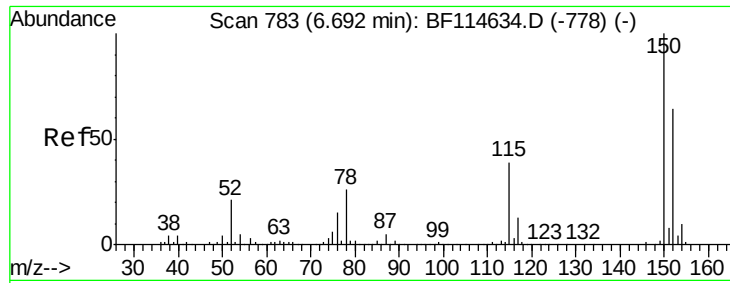
mohammad  
 6/3/2019 8:49:33 AM

Quant Time: Jun 01 01:05:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 19:08:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.85  | 237  | 990450   | 80.268 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.97  | 196  | 664123   | 45.202 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.00  | 196  | 713979   | 48.697 | nq    | 99       |
| 46) 1,1'-Biphenyl              | 9.15  | 154  | 2272997  | 43.671 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.17  | 162  | 1855038  | 43.449 | nq    | 98       |
| 48) 2-Nitroaniline             | 9.27  | 65   | 593315   | 45.032 | nq    | 88       |
| 49) Acenaphthylene             | 9.59  | 152  | 2876852  | 43.616 | nq    | 99       |
| 50) Dimethylphthalate          | 9.46  | 163  | 2414544  | 49.419 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.51  | 165  | 545166   | 48.020 | nq    | 95       |
| 52) Acenaphthene               | 9.76  | 154  | 1773322  | 43.839 | nq    | 99       |
| 53) 3-Nitroaniline             | 9.67  | 138  | 431223   | 31.035 | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 9.77  | 184  | 186652   | 41.681 | nq    | # 85     |
| 55) Dibenzofuran               | 9.93  | 168  | 2499895  | 43.416 | nq    | 99       |
| 56) 4-Nitrophenol              | 9.85  | 139  | 955468   | 92.792 | nq    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.91  | 165  | 730966   | 50.168 | nq    | 95       |
| 58) Fluorene                   | 10.27 | 166  | 1767276  | 46.951 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.05 | 232  | 569851   | 47.484 | nq    | 99       |
| 60) Diethylphthalate           | 10.16 | 149  | 2196207  | 44.011 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204  | 870025   | 45.420 | nq    | 99       |
| 62) 4-Nitroaniline             | 10.29 | 138  | 626565   | 46.276 | nq    | 98       |
| 63) Azobenzene                 | 10.43 | 77   | 1971904  | 43.040 | nq    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 226994   | 36.149 | nq    | 92       |
| 66) n-Nitrosodiphenylamine     | 10.39 | 169  | 1818615  | 43.465 | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.75 | 248  | 626978   | 41.285 | nq    | 96       |
| 68) Hexachlorobenzene          | 10.82 | 284  | 682091   | 41.467 | nq    | 92       |
| 69) Atrazine                   | 10.91 | 200  | 640519   | 51.163 | nq    | 98       |
| 70) Pentachlorophenol          | 11.01 | 266  | 674267   | 71.111 | nq    | 98       |
| 71) Phenanthrene               | 11.22 | 178  | 2855286  | 39.525 | nq    | 99       |
| 72) Anthracene                 | 11.27 | 178  | 3006768  | 41.124 | nq    | 98       |
| 73) Carbazole                  | 11.43 | 167  | 2824510  | 43.956 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.77 | 149  | 3221189  | 40.490 | nq    | 99       |
| 75) Fluoranthene               | 12.40 | 202  | 3051328  | 40.791 | nq    | 99       |
| 77) Benzidine                  | 12.52 | 184  | 989561   | 27.601 | nq    | 100      |
| 78) Pyrene                     | 12.63 | 202  | 3069610  | 41.678 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.26 | 149  | 1574377  | 42.534 | nq    | 99       |
| 81) Benzo(a)anthracene         | 13.81 | 228  | 2715804  | 40.591 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 765457   | 29.624 | nq    | 99       |
| 83) Chrysene                   | 13.85 | 228  | 2710192  | 42.397 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.82 | 149  | 1912499  | 41.794 | nq    | 100      |
| 85) Di-n-octyl phthalate       | 14.43 | 149  | 3419704  | 43.011 | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.54 | 276  | 2719433  | 42.475 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 14.82 | 252  | 2693074  | 42.755 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 14.85 | 252  | 2426047  | 44.313 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.16 | 252  | 2426869  | 43.858 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.56 | 278  | 2225776  | 45.520 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 16.94 | 276  | 2309356  | 48.661 | nq    | 99       |

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





#1

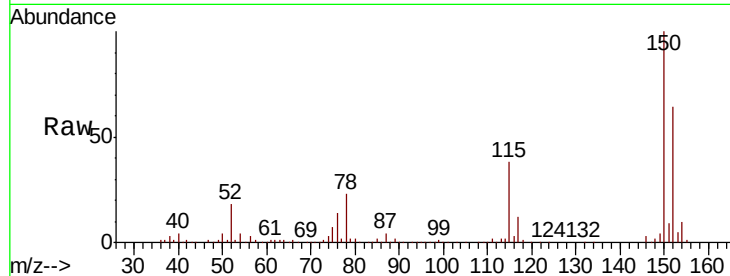
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 124.4 | 186.6 |
| 115     | 58.6  | 48.7  | 73.1  |

Manual Integrations  
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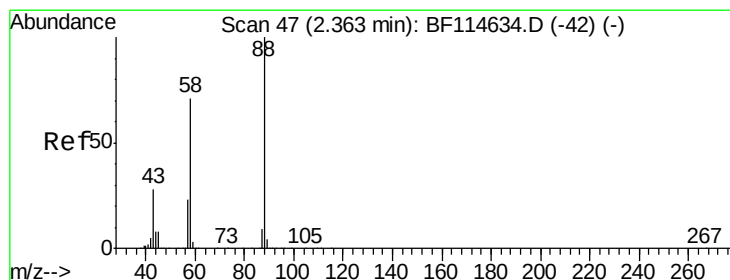
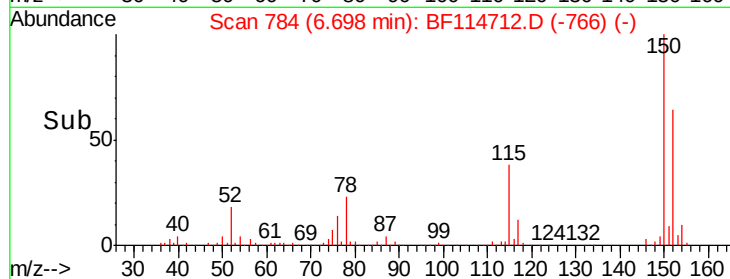
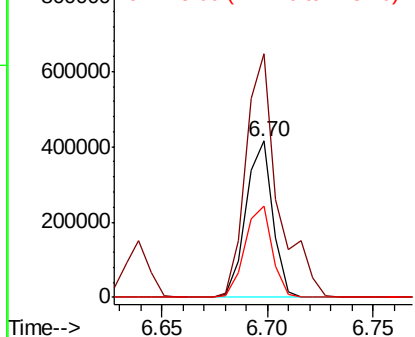


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

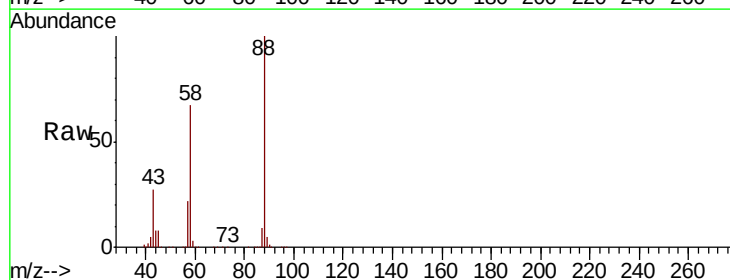
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 36.924 ng  
RT: 2.39 min Scan# 51  
Delta R.T. 0.02 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.4  | 57.2  | 85.8  |
| 43      | 26.7  | 22.6  | 33.8  |

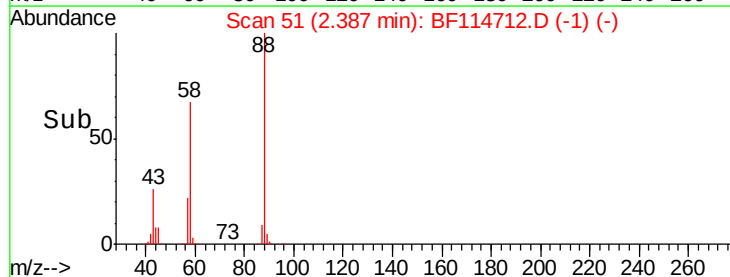
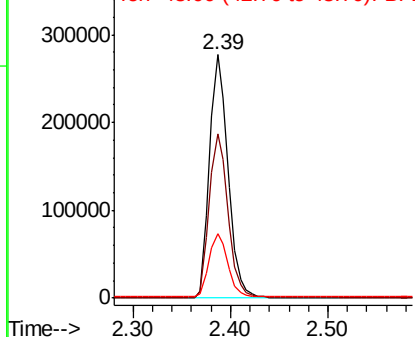


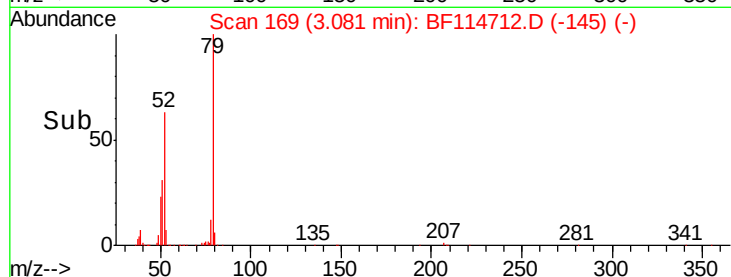
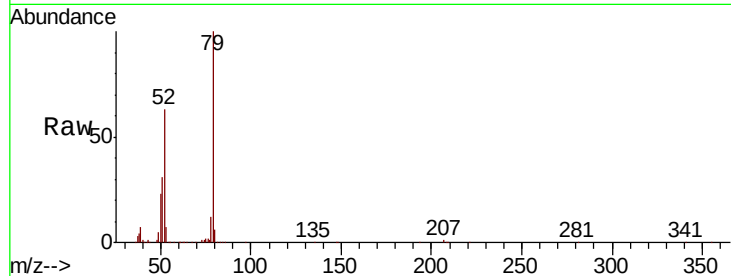
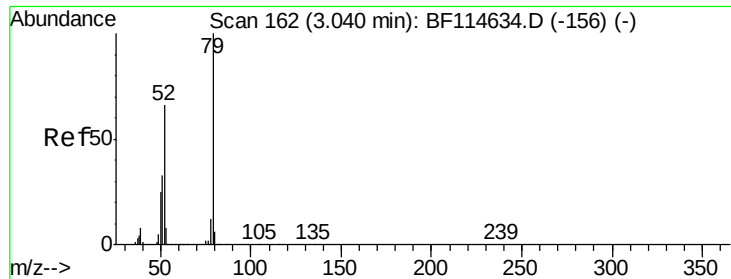
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





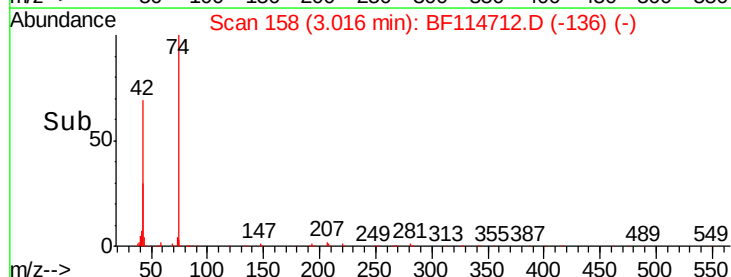
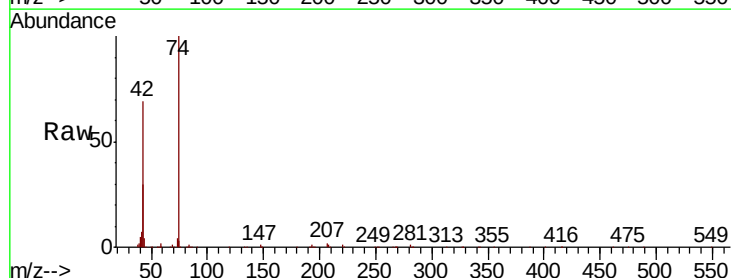
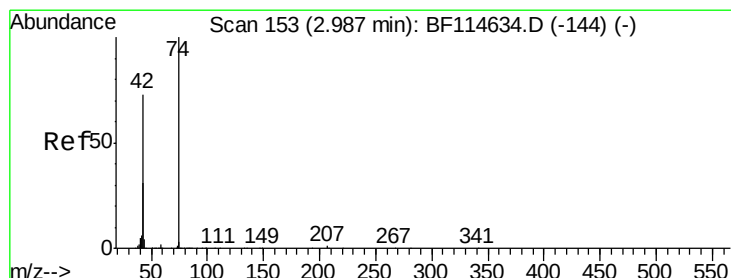
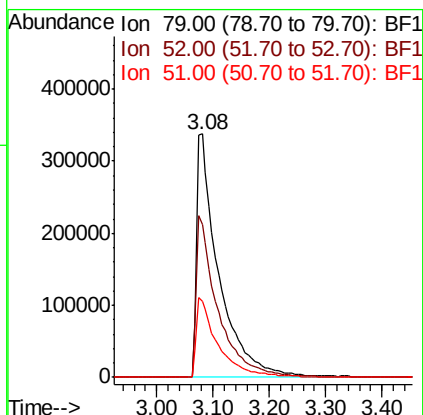
#3  
 Pvridine  
 Concen: 31.482 ng  
 RT: 3.08 min Scan# 169  
 Delta R.T. 0.04 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 62.9  | 52.8  | 79.2  |
| 51      | 31.4  | 26.3  | 39.5  |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

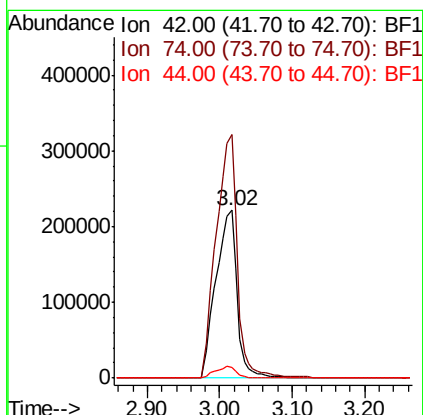
Manual Integrations  
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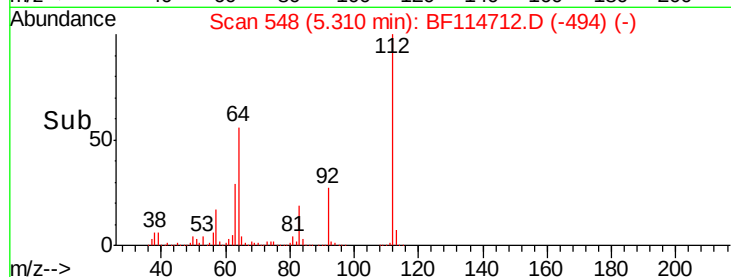
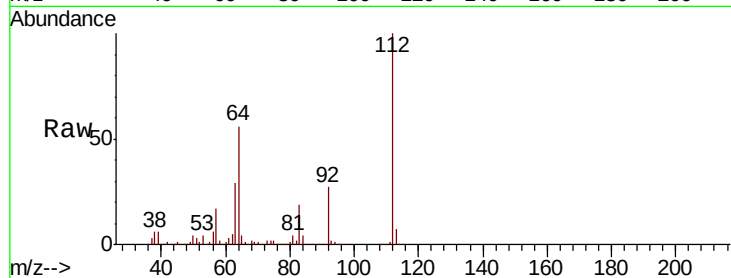
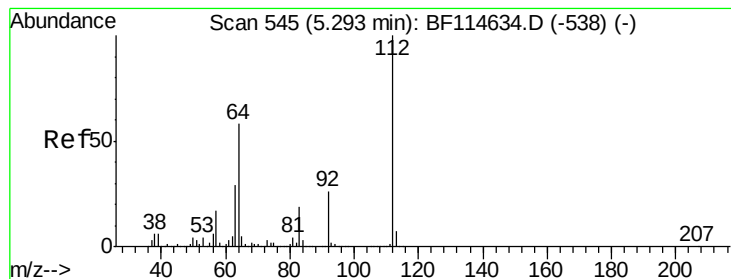
mohammad  
 6/3/2019 8:49:33 AM



#4  
 n-Nitrosodimethylamine  
 Concen: 38.843 ng  
 RT: 3.02 min Scan# 158  
 Delta R.T. 0.03 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 145.2 | 110.0 | 165.0 |
| 44      | 6.4   | 5.6   | 8.4   |





#5

2-Fluorophenol

Concen: 118.356 ng

RT: 5.31 min Scan# 548

Delta R.T. 0.02 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 2448055 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 55.6  | 46.1  | 69.1    |
| 63       | 28.7  | 23.4  | 35.2    |

Instrument :

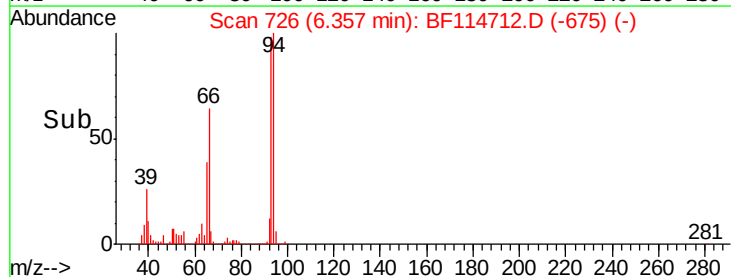
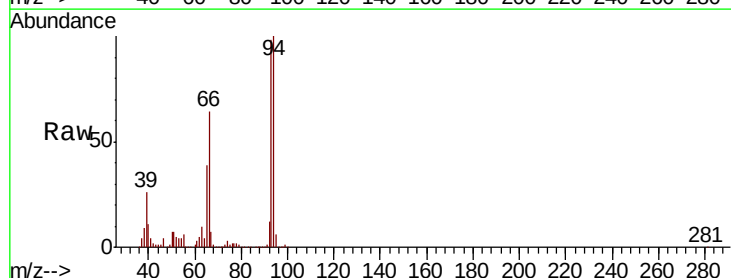
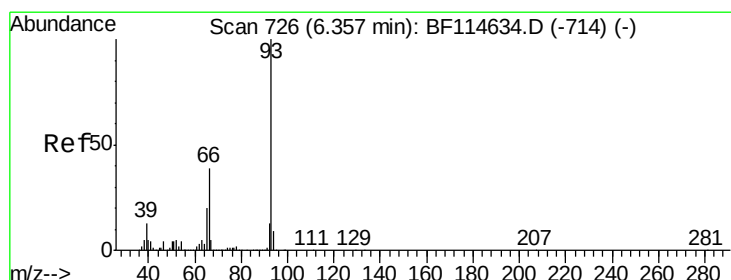
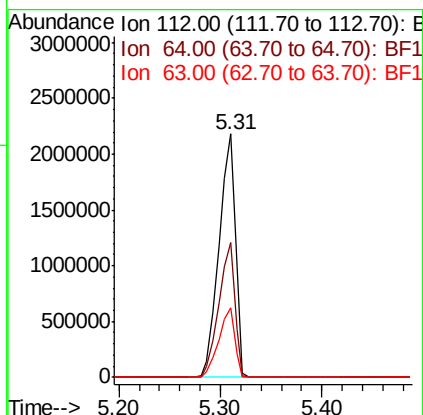
BNA\_F

ClientSampleId :

FESB-27(3.5-4)MS

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#6

Aniline

Concen: 26.702 ng

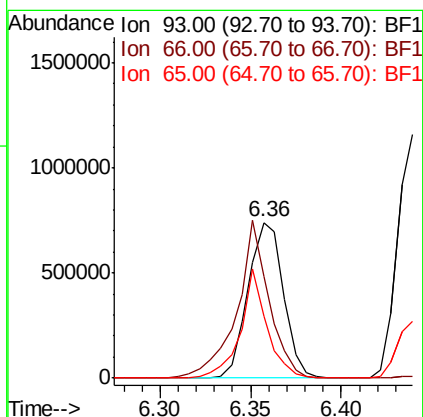
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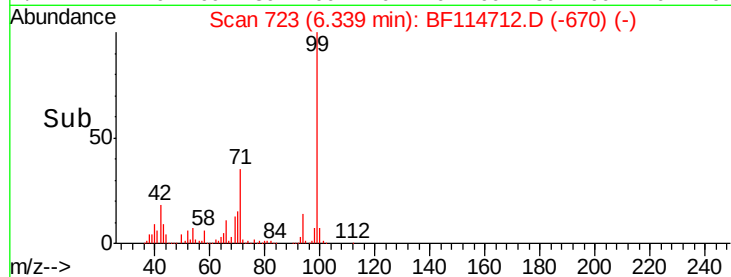
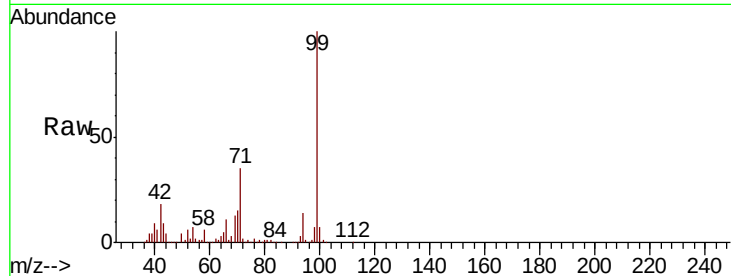
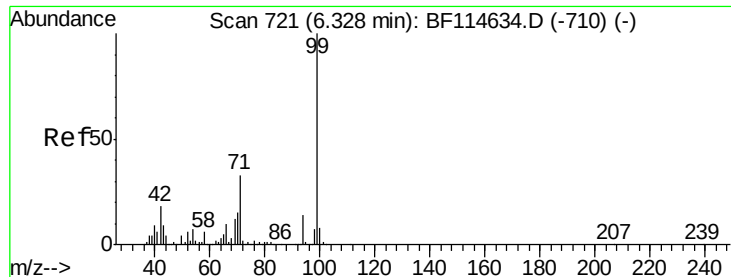
Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 93    | Resp: | 1005312 |
| Ion      | Ratio | Lower | Upper   |
| 93       | 100   |       |         |
| 66       | 65.0  | 31.4  | 47.2#   |
| 65       | 39.5  | 16.2  | 24.2#   |





#7

Phenol-d6

Concen: 123.261 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 3072231 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 17.9  | 14.7  | 22.1    |
| 71       | 34.9  | 26.6  | 40.0    |

Instrument :

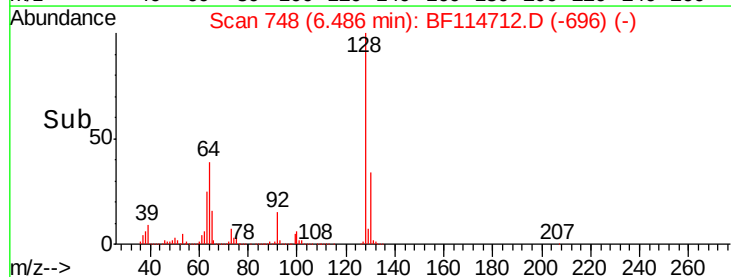
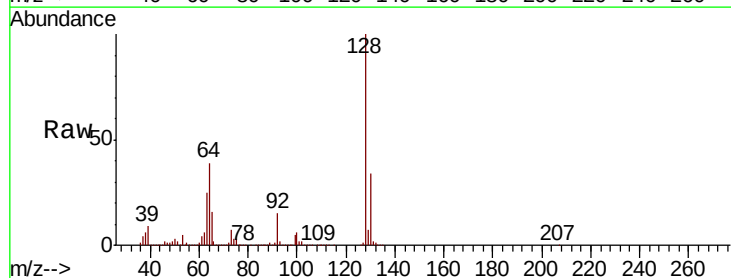
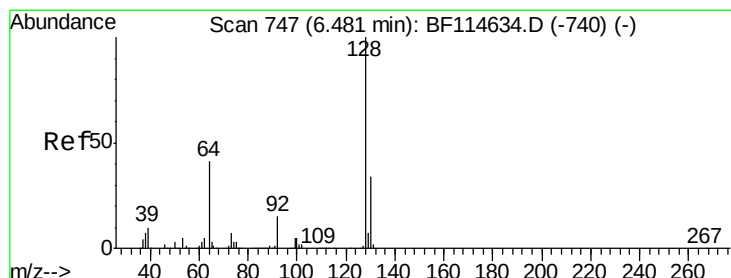
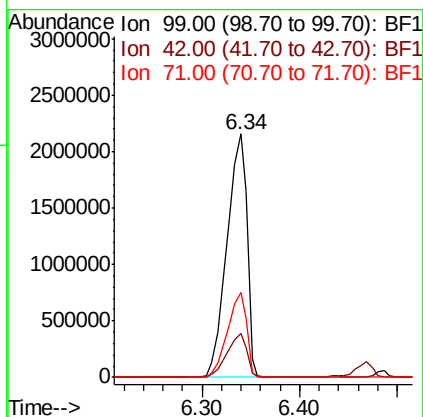
BNA\_F

ClientSampleId :

FESB-27(3.5-4)MS

Manual Integrations  
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#8

2-Chlorophenol

Concen: 44.315 ng

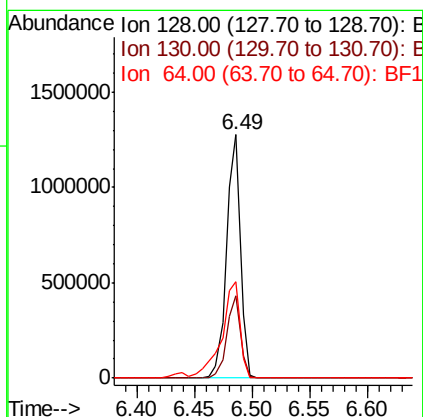
RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

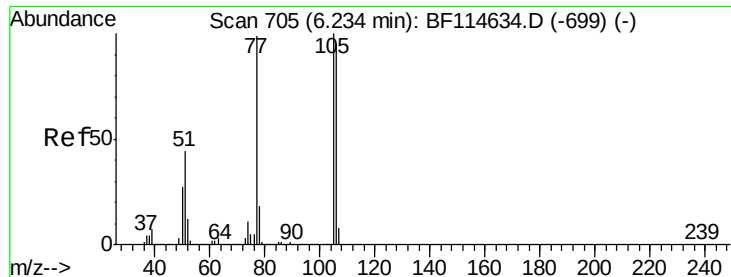
Lab File: BF114712.D

Acq: 31 May 2019 16:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 128   | Resp: | 1058554 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 130      | 33.8  | 13.9  | 53.9    |
| 64       | 39.5  | 22.0  | 62.0    |







#9

Benzaldehyde

Concen: 34.741 ng

RT: 6.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

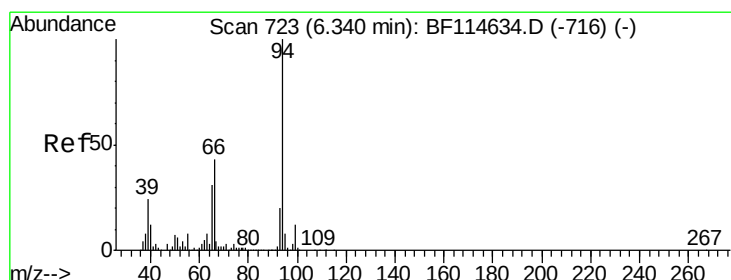
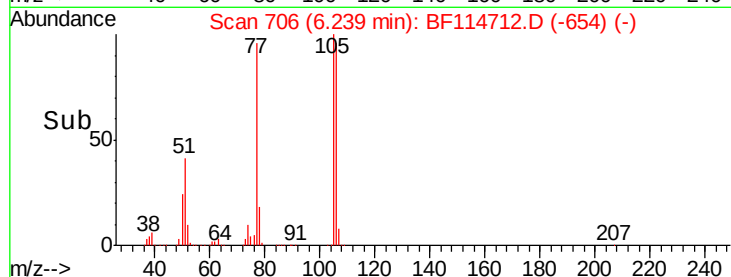
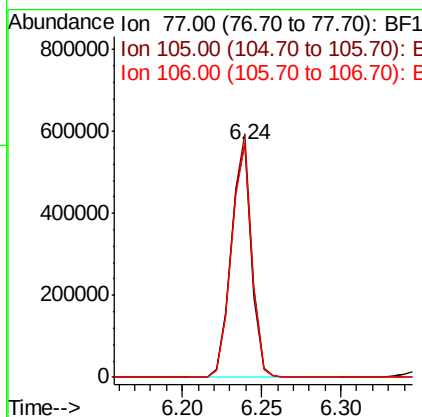
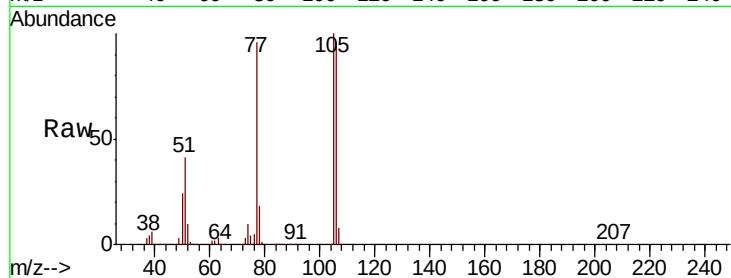
ClientSampleId :

FESB-27(3.5-4)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 504622 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 104.5 | 80.8  | 120.8  |
| 106       | 100.8 | 76.2  | 116.2  |

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#10

Phenol

Concen: 42.364 ng

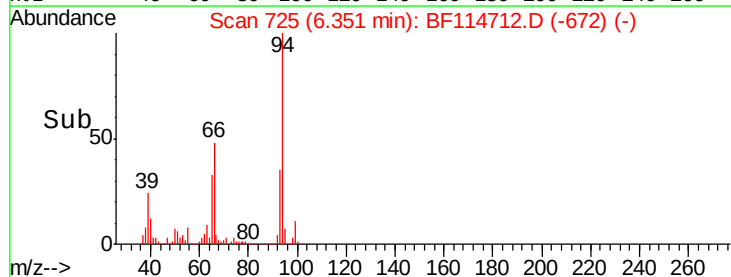
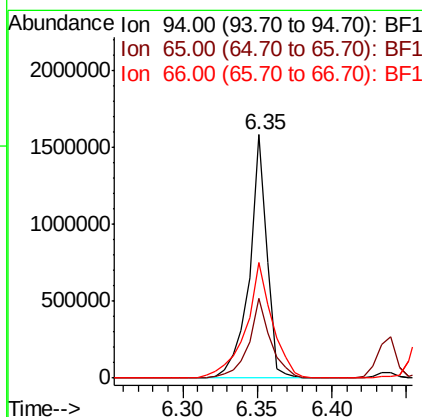
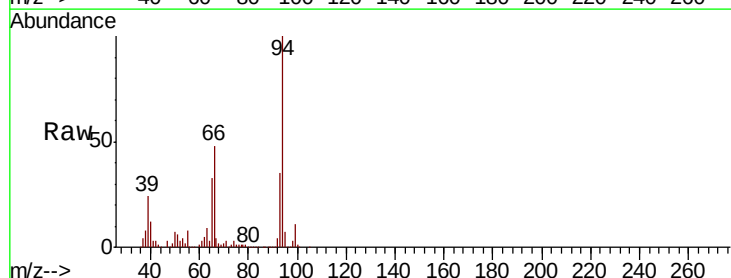
RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

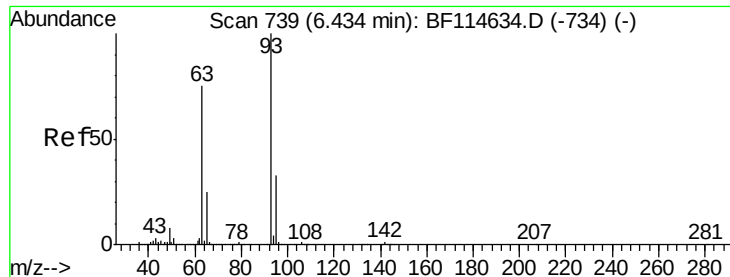
Lab File: BF114712.D

Acq: 31 May 2019 16:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 94    | Resp: | 1275576 |
| Ion Ratio | Lower | Upper |         |
| 94        | 100   |       |         |
| 65        | 32.8  | 11.0  | 51.0    |
| 66        | 47.5  | 23.0  | 63.0    |







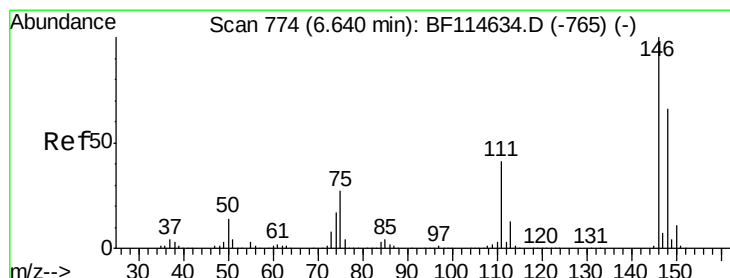
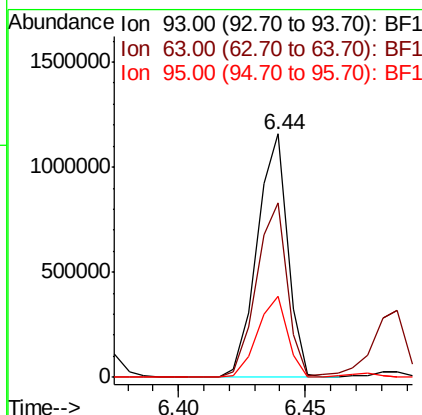
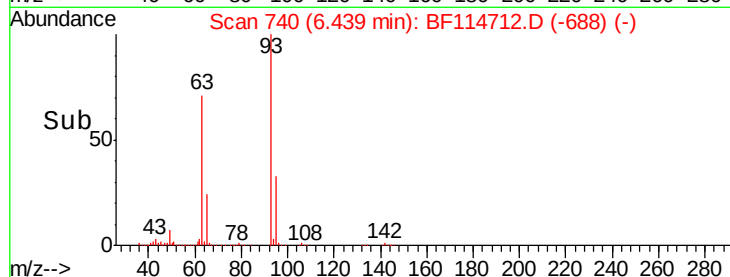
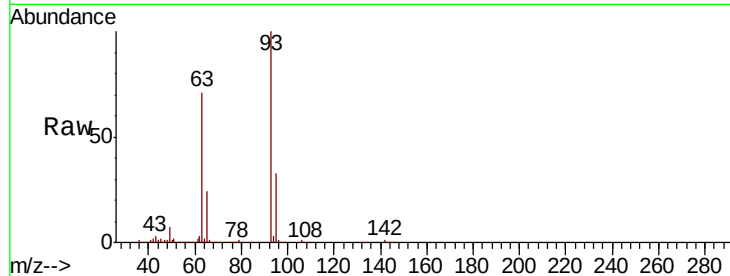
#11  
bis(2-Chloroethyl)ether  
Concen: 42.114 ng  
RT: 6.44 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 63      | 71.5  | 55.0 | 95.0  |       |
| 95      | 33.3  | 13.5 | 53.5  |       |

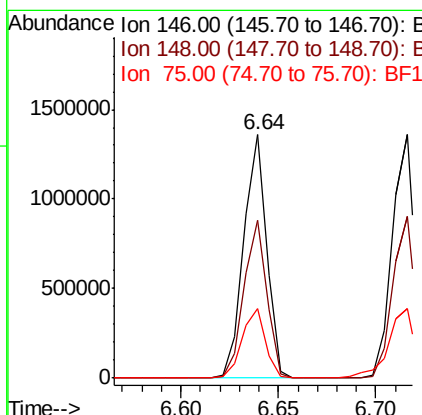
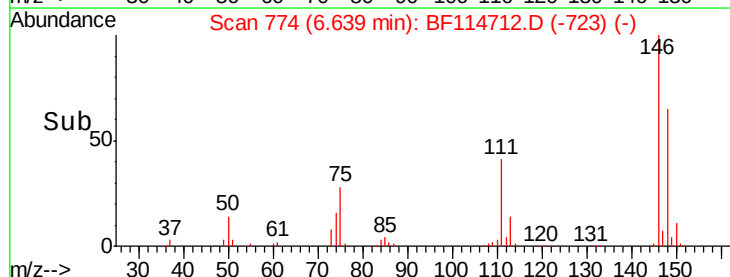
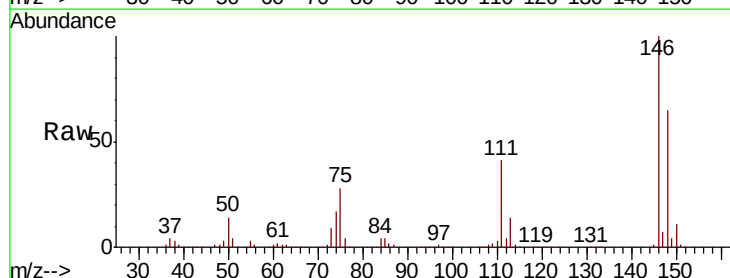
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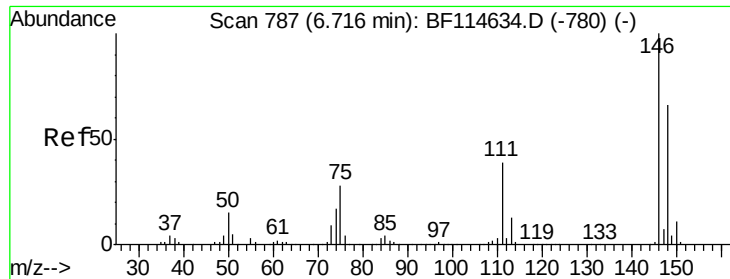
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 40.751 ng  
RT: 6.64 min Scan# 774  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 148     | 64.9  | 52.9 | 79.3  |       |
| 75      | 28.3  | 22.0 | 33.0  |       |





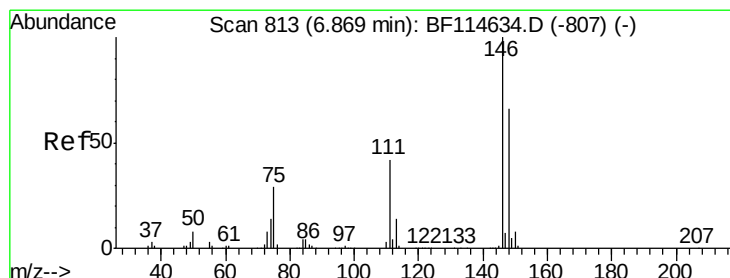
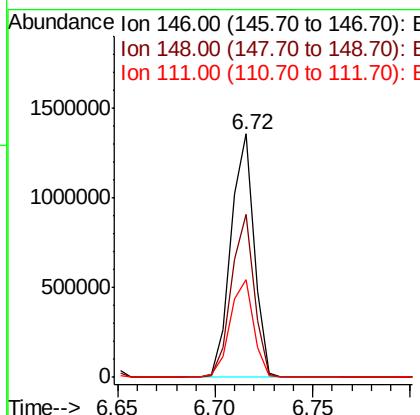
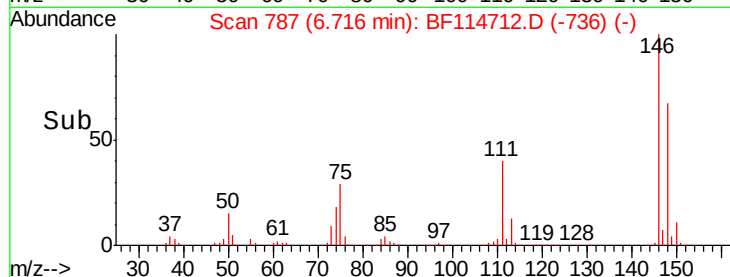
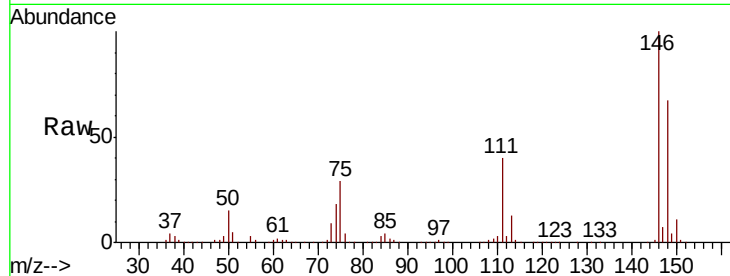
#13  
1,4-Dichlorobenzene  
Concen: 41.024 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

Tot Ion:146 Resp: 1120022  
Ion Ratio Lower Upper  
146 100  
148 66.8 52.5 78.7  
111 40.0 31.4 47.2

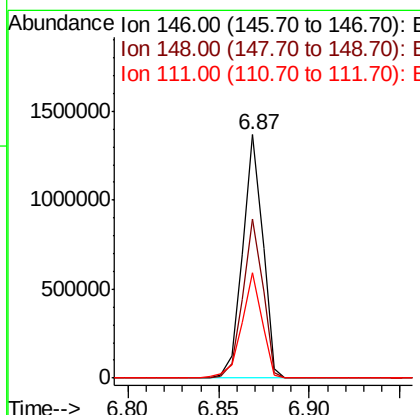
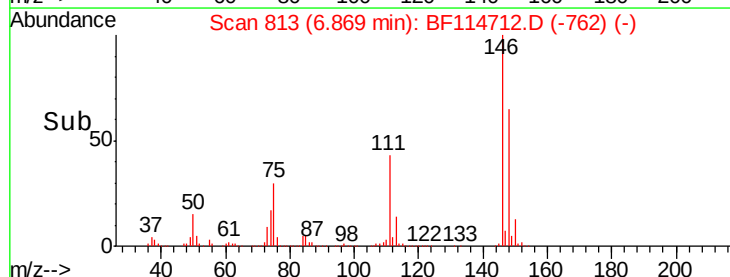
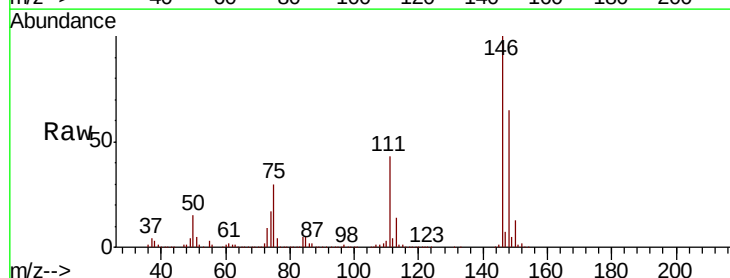
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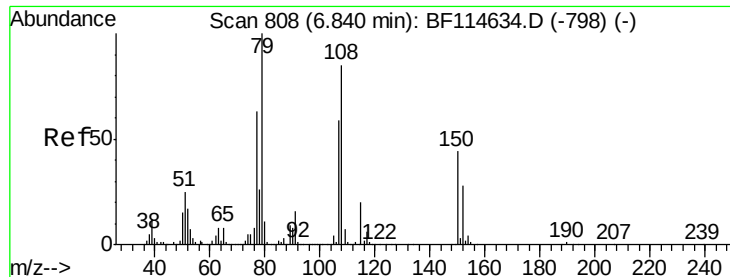
mohammad  
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#14  
1,2-Dichlorobenzene  
Concen: 42.404 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Tgt Ion:146 Resp: 1053980  
Ion Ratio Lower Upper  
146 100  
148 65.1 52.6 79.0  
111 43.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 44.494 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 79 Resp: 872335

Ion Ratio Lower Upper

79 100

108 82.5 67.8 101.8

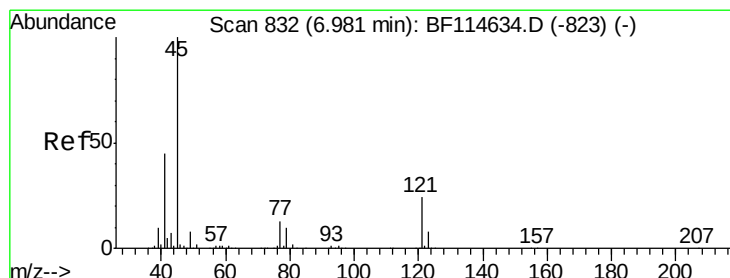
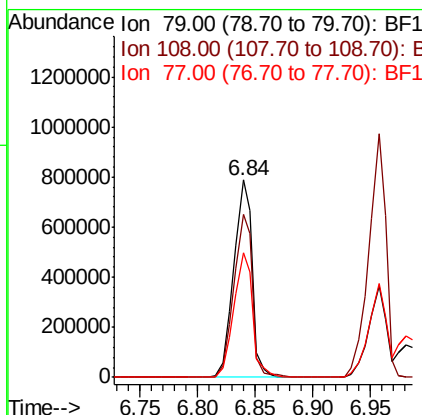
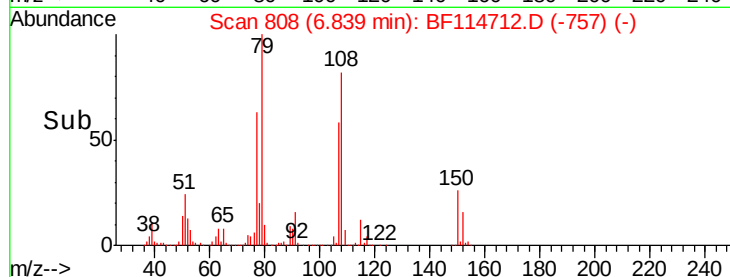
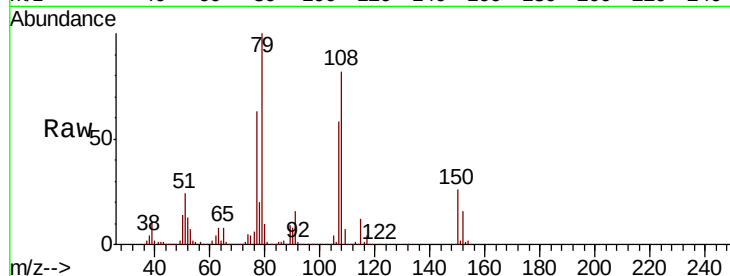
77 63.2 50.7 76.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 38.181 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

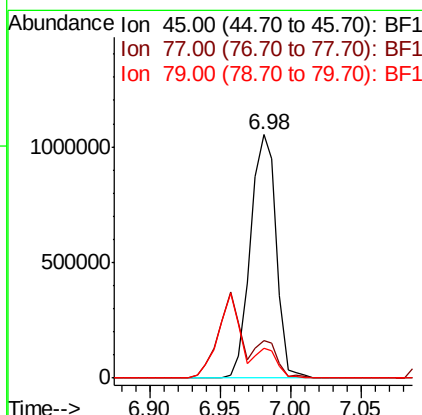
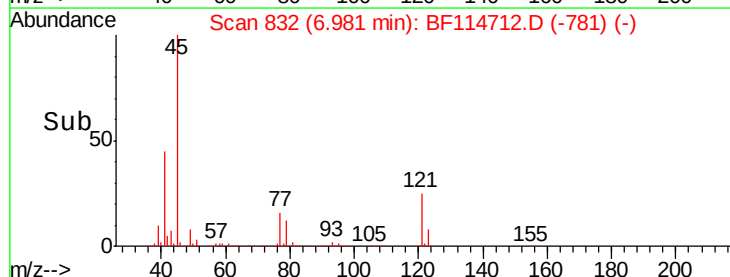
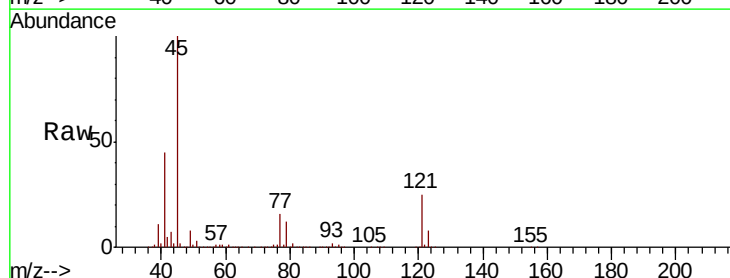
Tgt Ion: 45 Resp: 1348715

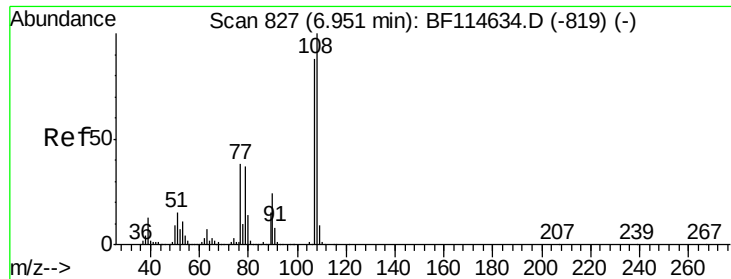
Ion Ratio Lower Upper

45 100

77 15.6 0.0 34.7

79 12.3 0.0 31.3





#17

2-Methylphenol

Concen: 43.859 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

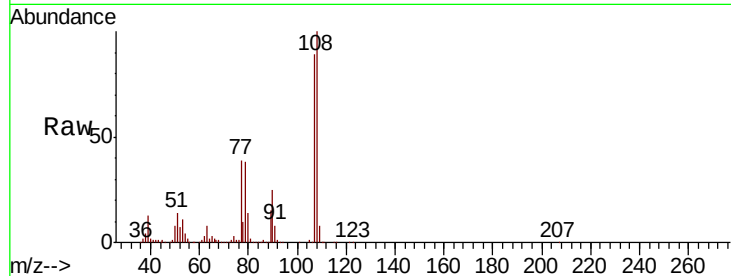
ClientSampleId :

FESB-27(3.5-4)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.7 | 91.1 | 136.7 |       |
| 77      | 43.5  | 34.9 | 52.3  |       |
| 79      | 42.4  | 33.8 | 50.6  |       |

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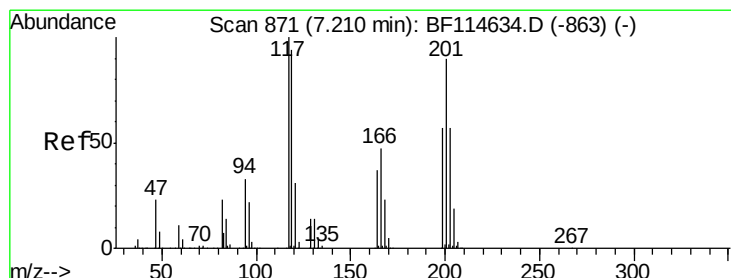
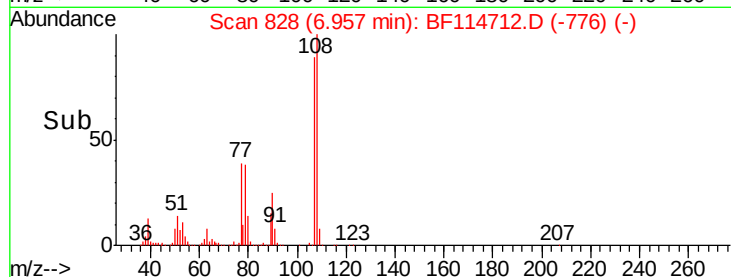
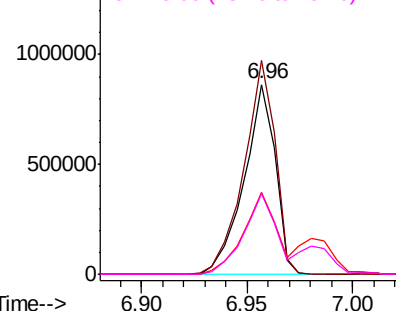
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 39.124 ng

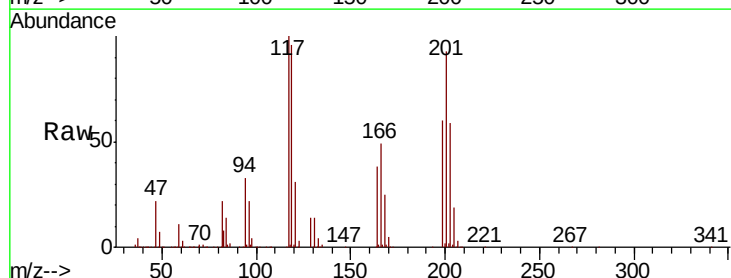
RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.4  | 75.6 | 113.4 |       |
| 201     | 93.1  | 71.7 | 107.5 |       |

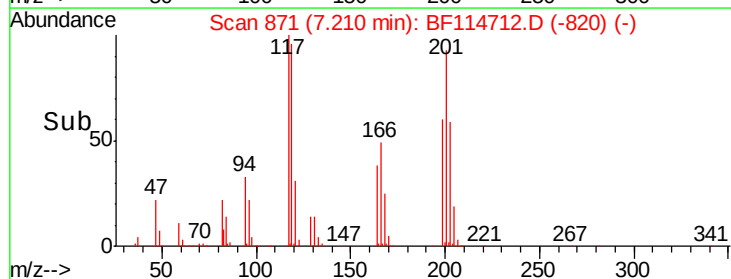
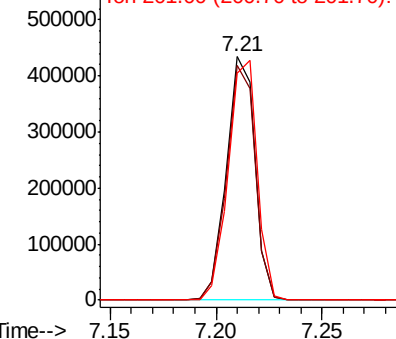


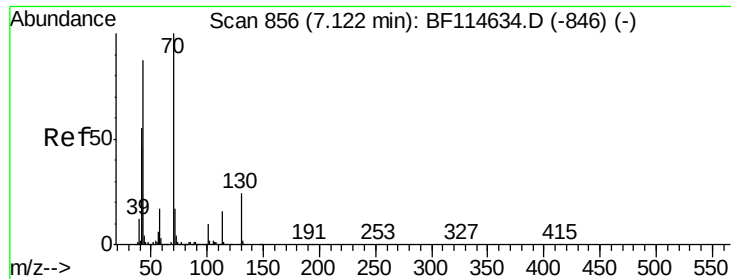
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





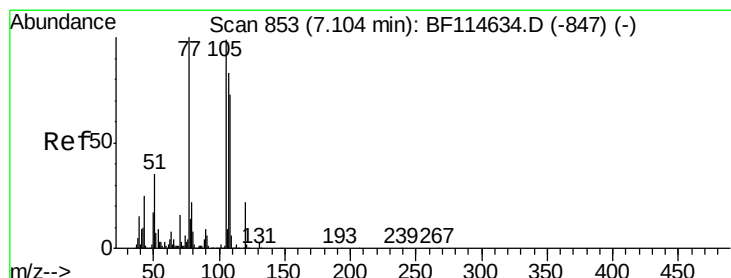
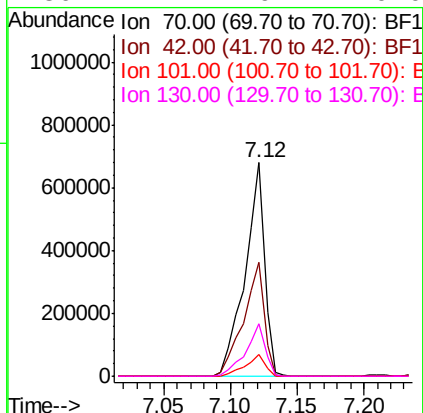
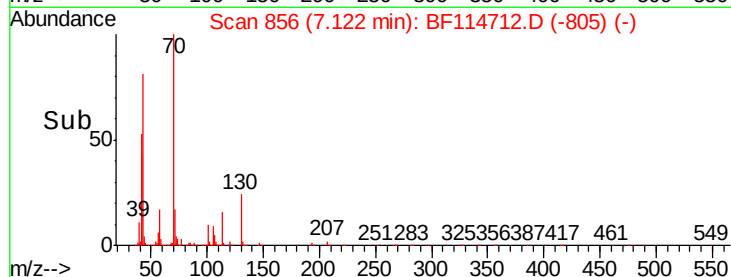
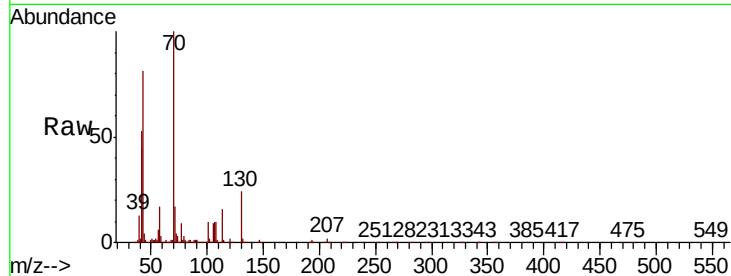
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.986 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 53.1 | 44.4  | 66.6  |       |
| 101     | 10.0 | 8.2   | 12.4  |       |
| 130     | 24.4 | 19.4  | 29.0  |       |

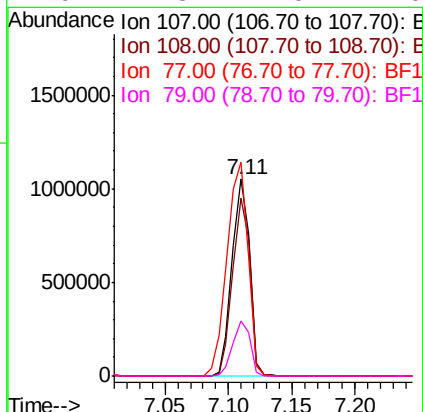
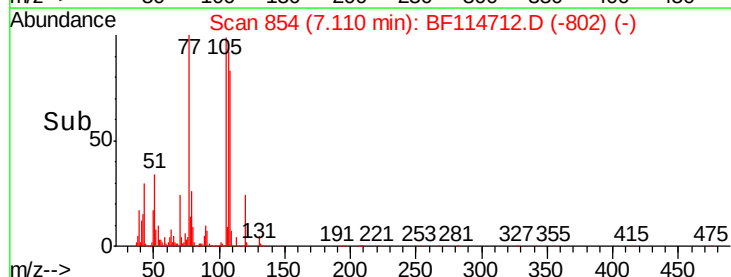
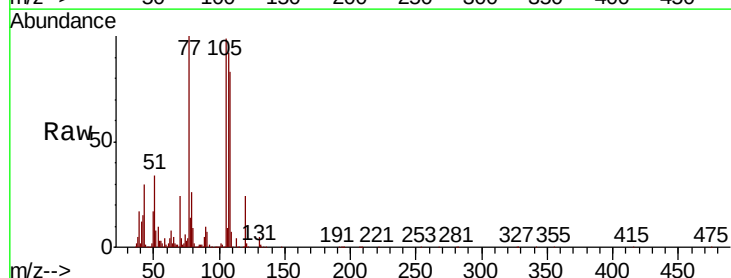
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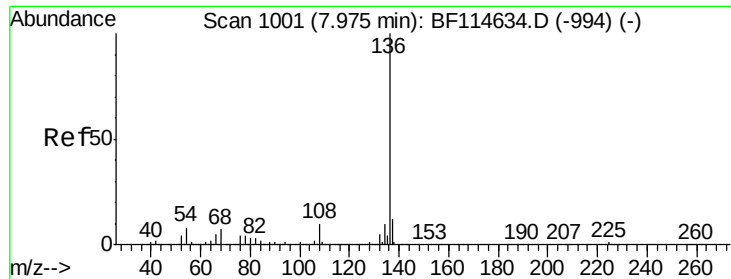
mohammad  
6/3/2019 8:49:33 AM



#20  
3+4-Methylphenols  
Concen: 42.125 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 90.1  | 68.6  | 108.6 |       |
| 77      | 108.4 | 100.5 | 140.5 |       |
| 79      | 27.8  | 7.0   | 47.0  |       |





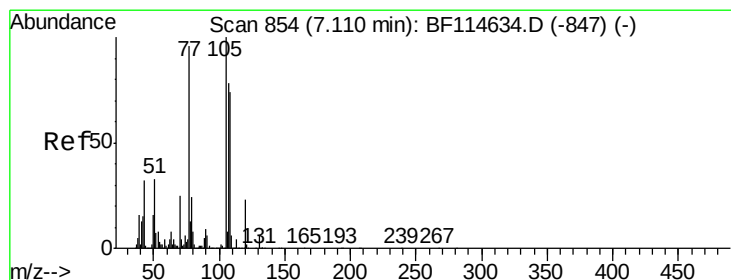
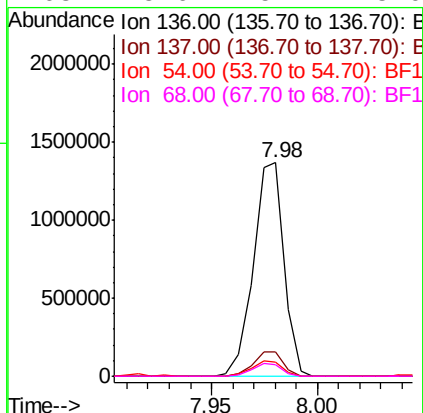
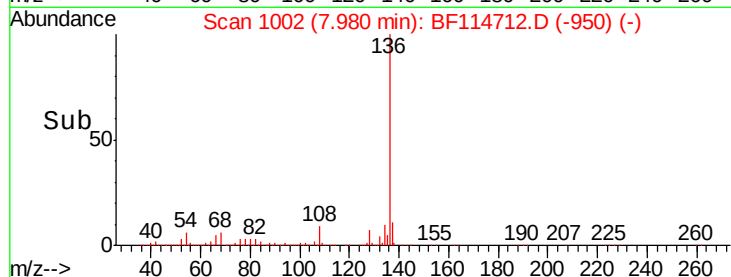
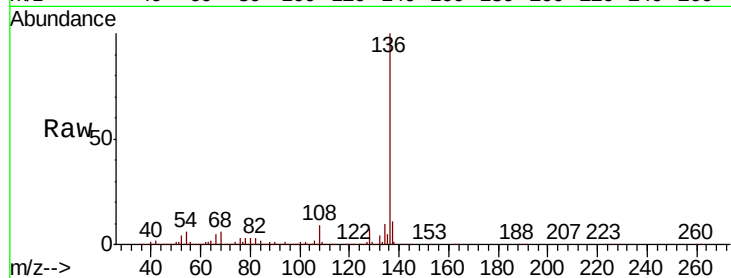
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 136     | 100  |       | 1381252 |       |       |
| 137     | 11.4 | 9.3   | 13.9    |       |       |
| 54      | 6.4  | 6.3   | 9.5     |       |       |
| 68      | 5.6  | 5.4   | 8.0     |       |       |

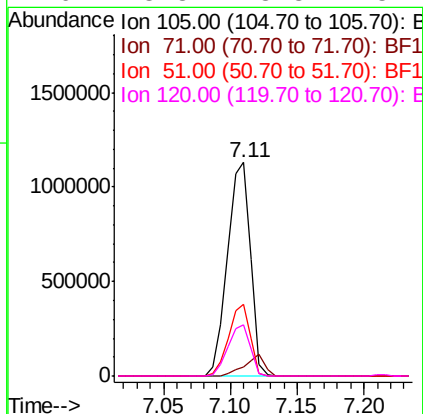
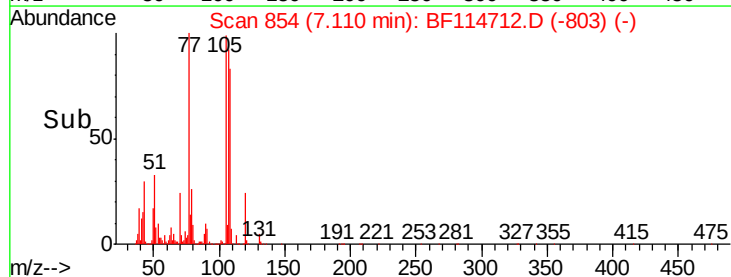
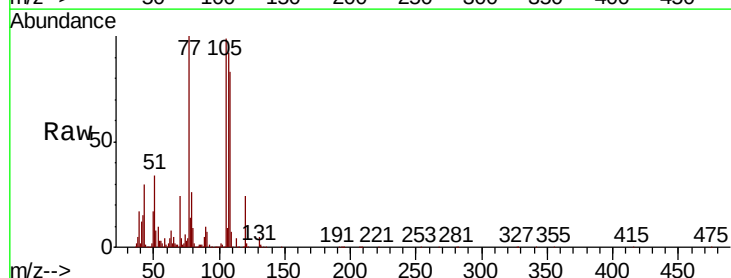
Manual Integrations  
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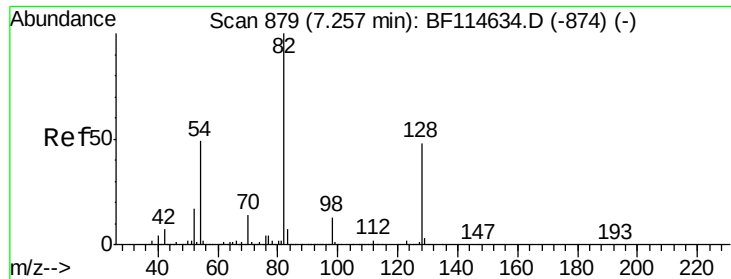
mohammad  
6/3/2019 8:49:33 AM



#22  
Acetophenone  
Concen: 46.615 ng  
RT: 7.11 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 105     | 100  |       | 1371899 |       |       |
| 71      | 4.2  | 3.6   | 5.4     |       |       |
| 51      | 33.8 | 26.0  | 39.0    |       |       |
| 120     | 23.8 | 18.8  | 28.2    |       |       |





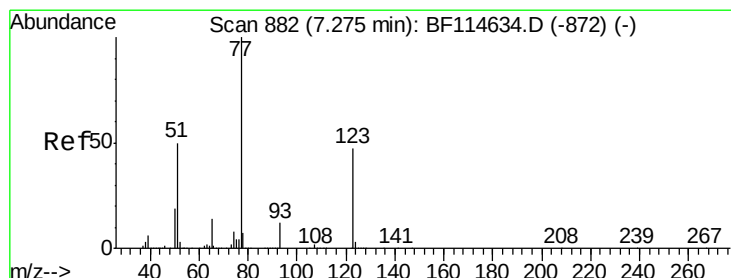
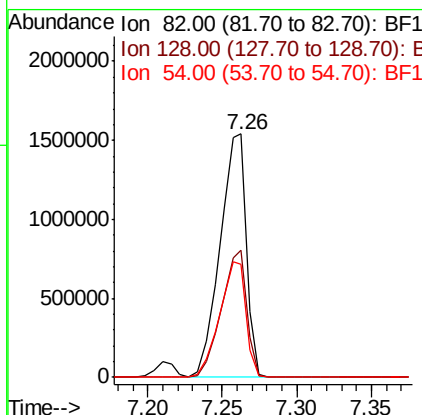
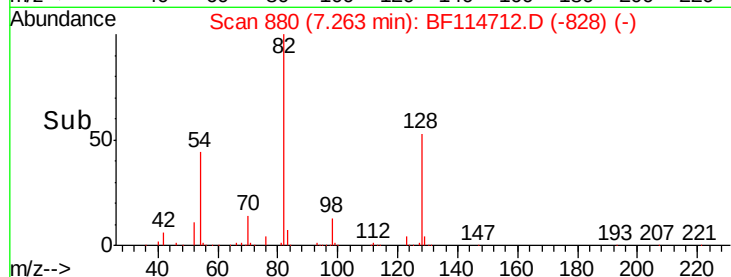
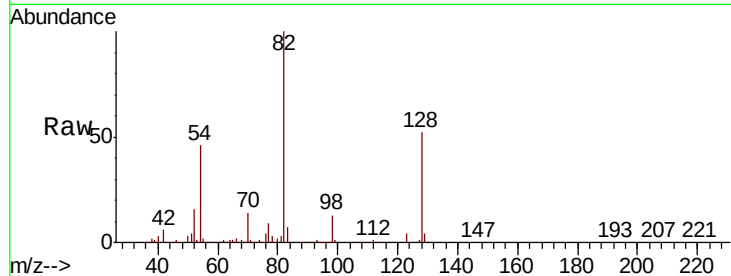
#23  
Nitrobenzene-d5  
Concen: 86.466 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion   | 82   | Resp  | 1914307 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 82        | 100  |       |         |
| 128       | 52.4 | 38.5  | 57.7    |
| 54        | 46.4 | 39.1  | 58.7    |

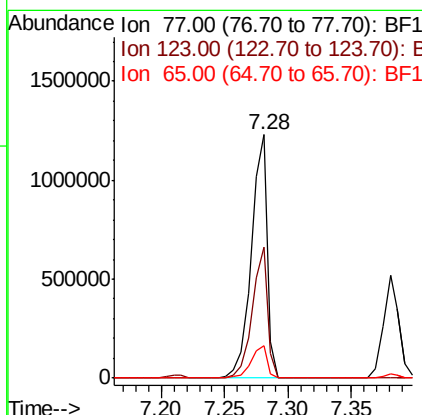
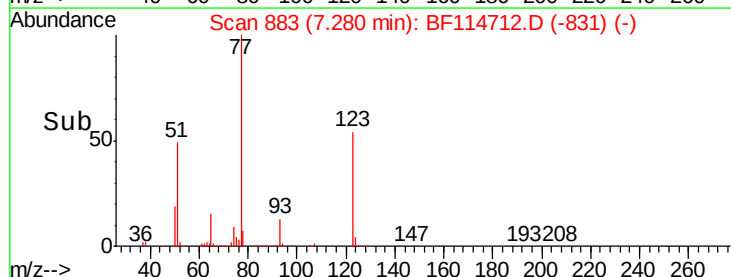
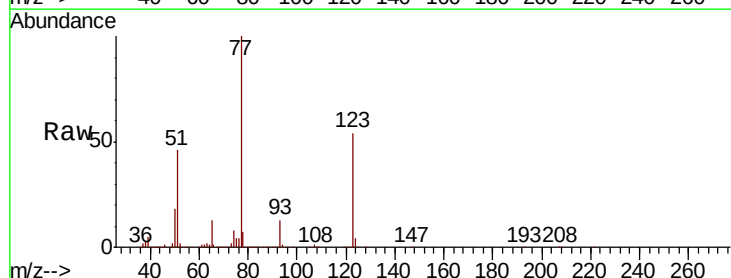
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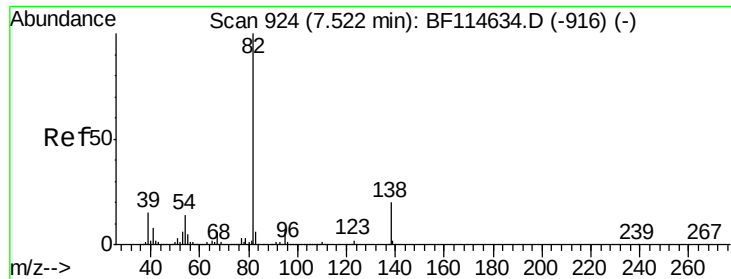


#24  
Nitrobenzene  
Concen: 45.747 ng  
RT: 7.28 min Scan# 883  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion   | 77   | Resp  | 1075869 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 77        | 100  |       |         |
| 123       | 53.8 | 38.5  | 57.7    |
| 65        | 13.2 | 11.2  | 16.8    |







#25

Isophorone

Concen: 44.277 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 82 Resp: 1967281

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

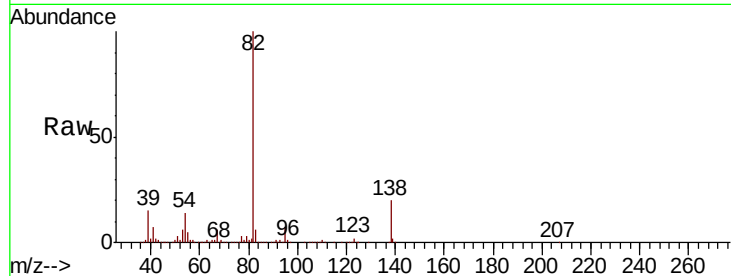
138 20.4 15.9 23.9

Manual Integrations

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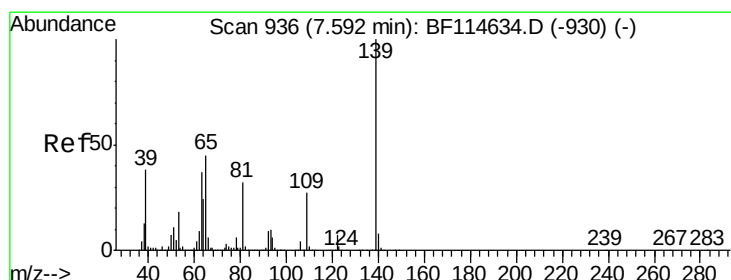
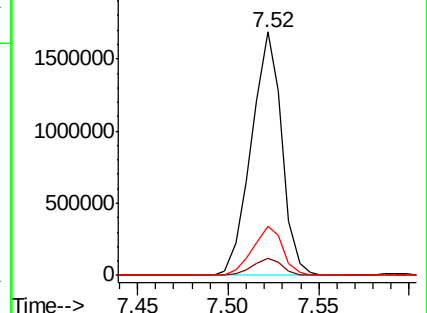
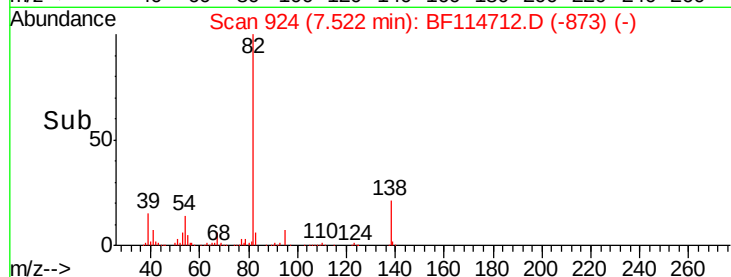
6/3/2019 8:49:33 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 51.362 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

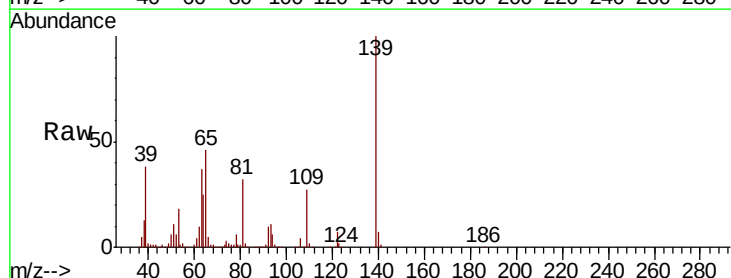
Tgt Ion: 139 Resp: 587974

Ion Ratio Lower Upper

139 100

109 26.8 21.7 32.5

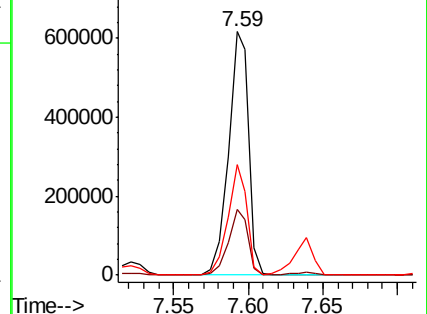
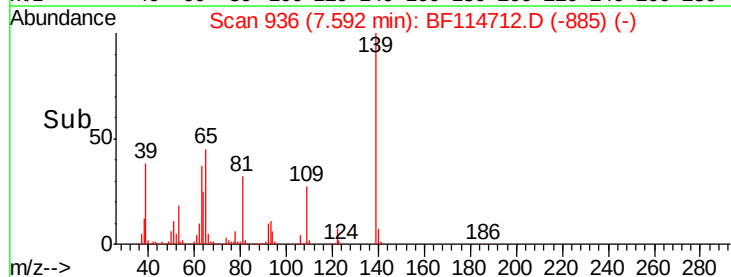
65 45.6 36.3 54.5

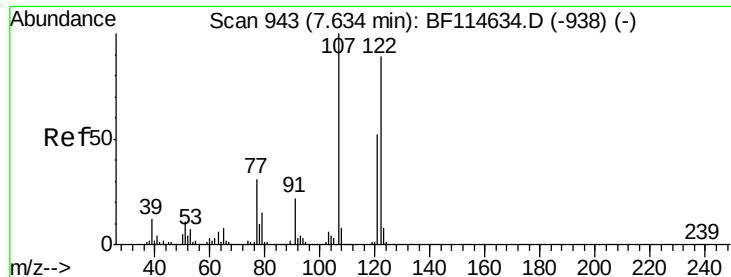


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





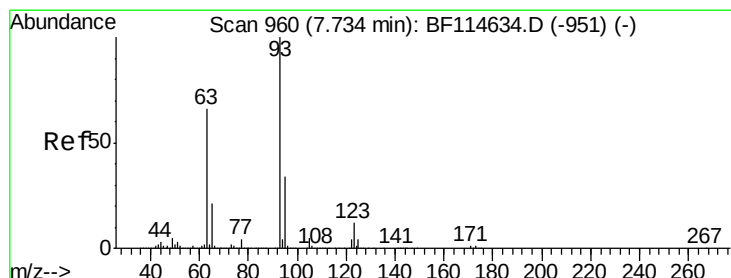
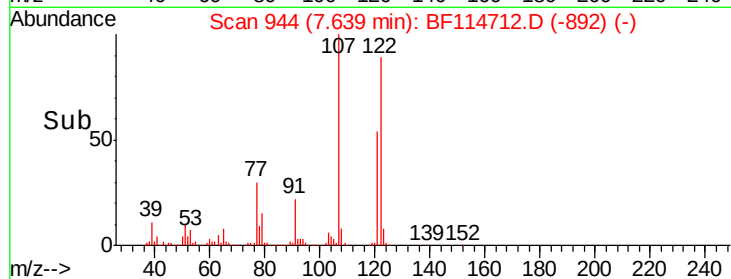
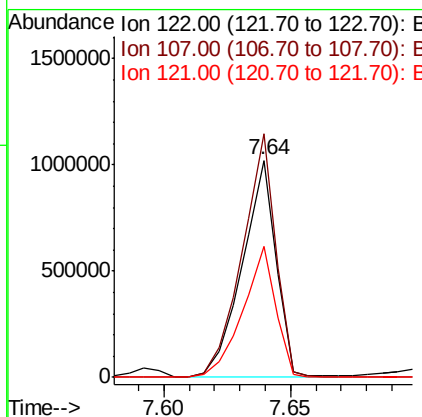
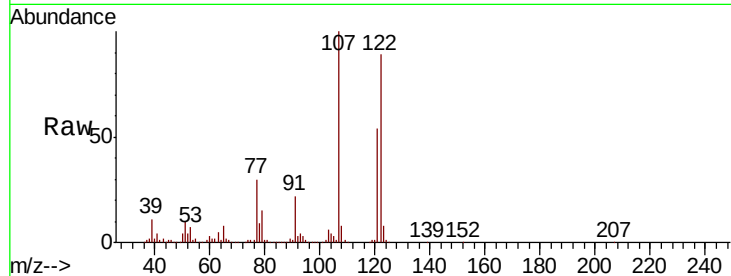
#27  
 2,4-Dimethylphenol  
 Concen: 50.011 ng  
 RT: 7.64 min Scan# 944  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 122     | 100   |      |       |       |
| 107     | 112.0 | 89.3 | 133.9 |       |
| 121     | 60.1  | 46.8 | 70.2  |       |

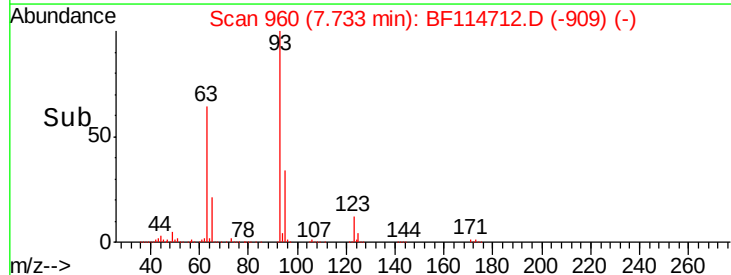
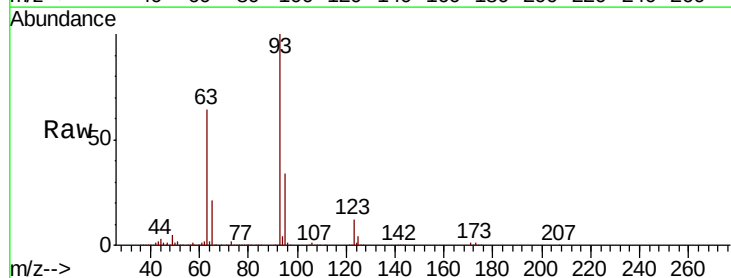
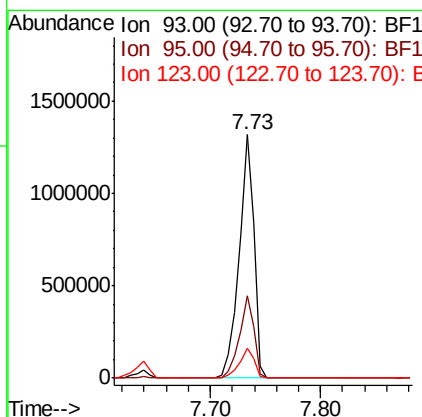
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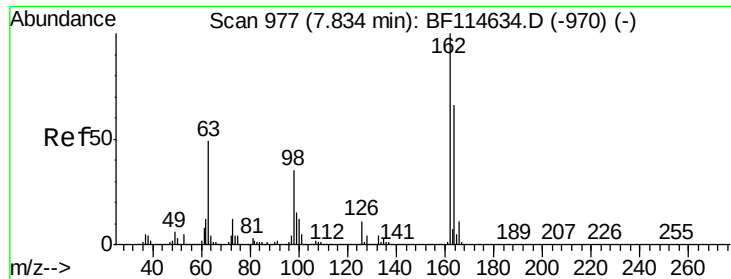
mohammad  
 6/3/2019 8:49:33 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.919 ng  
 RT: 7.73 min Scan# 960  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 95      | 33.7  | 27.0 | 40.4  |       |
| 123     | 12.4  | 10.2 | 15.2  |       |





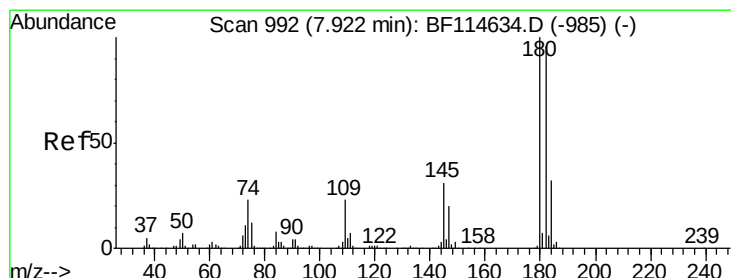
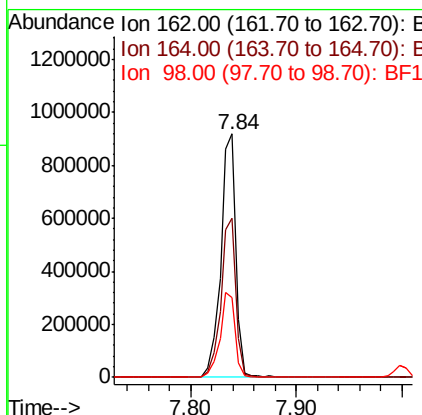
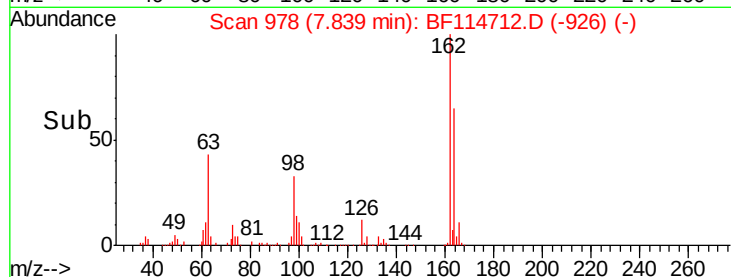
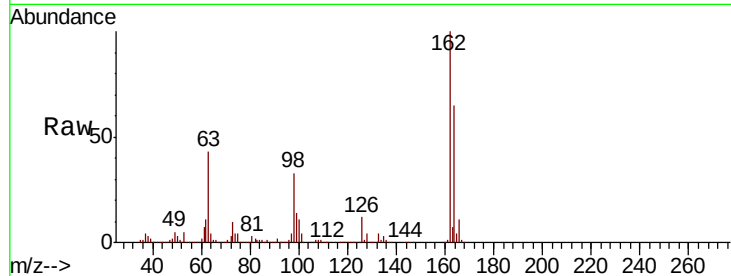
#29  
 2,4-Dichlorophenol  
 Concen: 47.568 ng  
 RT: 7.84 min Scan# 978  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 921809 |       |       |
| 164     | 65.2 | 45.8  | 85.8   |       |       |
| 98      | 33.0 | 14.9  | 54.9   |       |       |

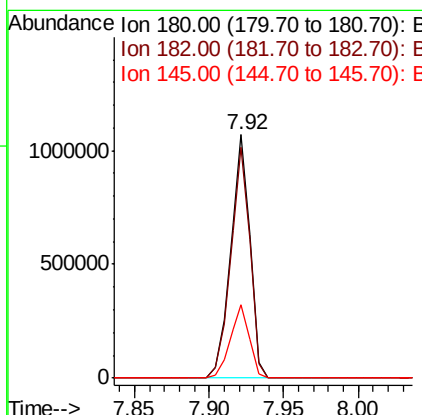
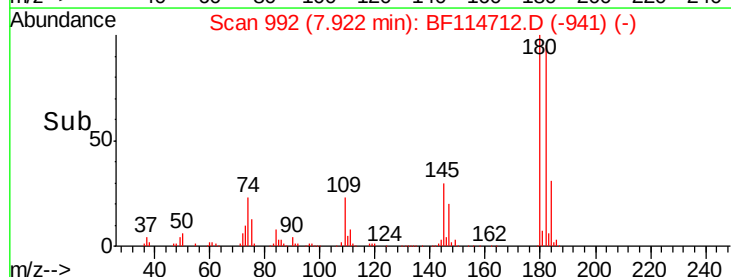
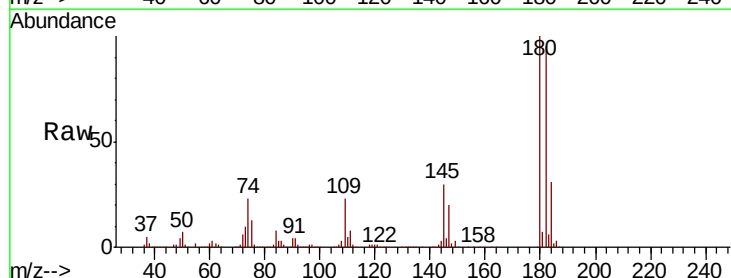
Manual Integrations  
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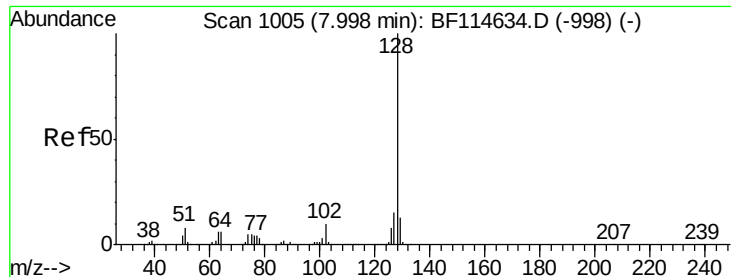
mohammad  
 6/3/2019 8:49:33 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.270 ng  
 RT: 7.92 min Scan# 992  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 977416 |       |       |
| 182     | 94.7 | 76.9  | 115.3  |       |       |
| 145     | 30.4 | 24.5  | 36.7   |       |       |





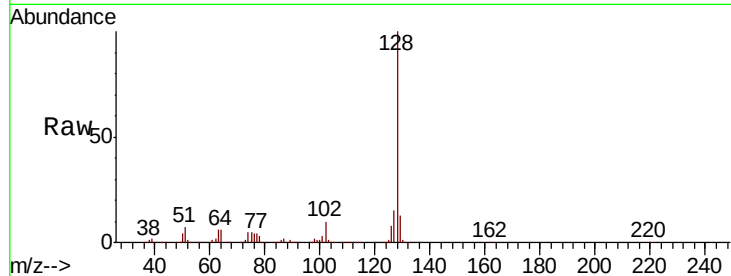
#31  
Naphthalene  
Concen: 44.637 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.7  | 10.2  | 15.2  |
| 127     | 14.8  | 11.9  | 17.9  |

Manual Integrations  
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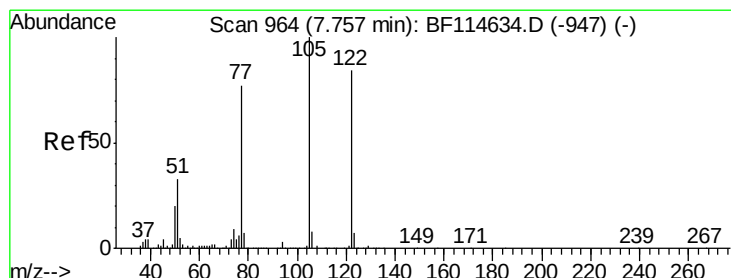
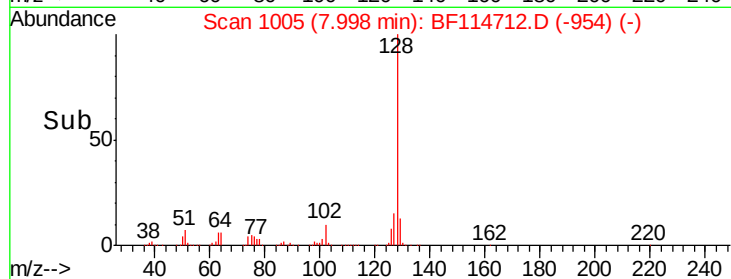
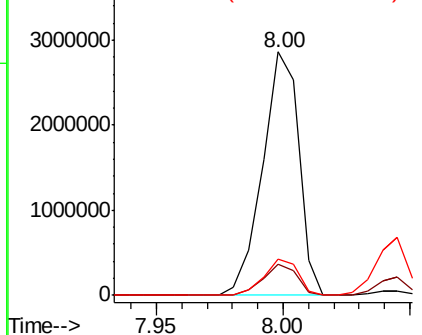


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 6.653 ng m  
RT: 7.70 min Scan# 955  
Delta R.T. -0.05 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

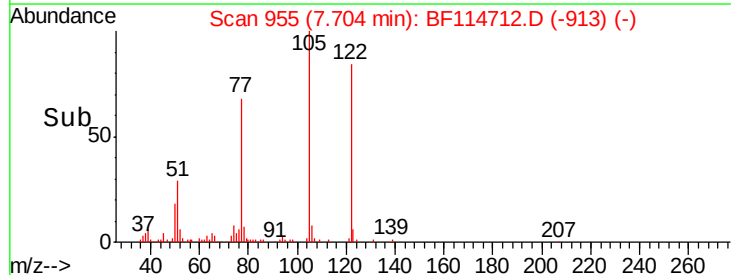
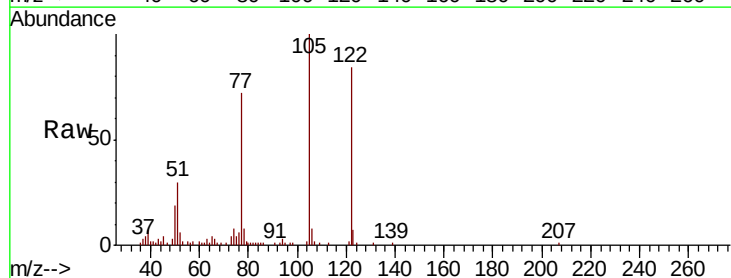
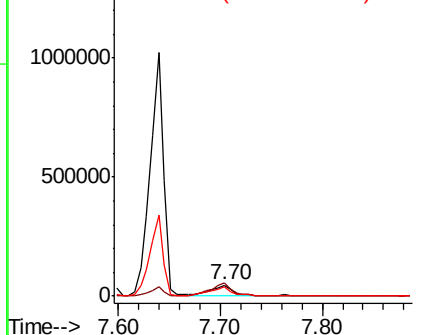
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 118.4 | 98.3  | 138.3 |
| 77      | 85.5  | 70.7  | 110.7 |

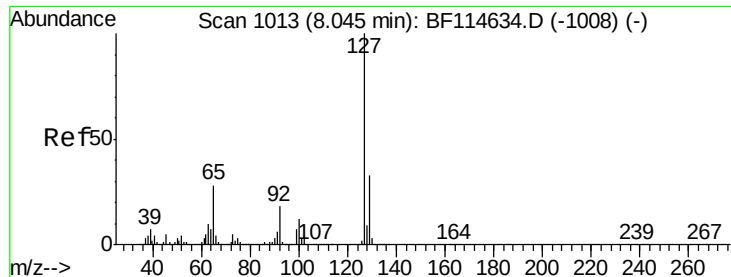
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





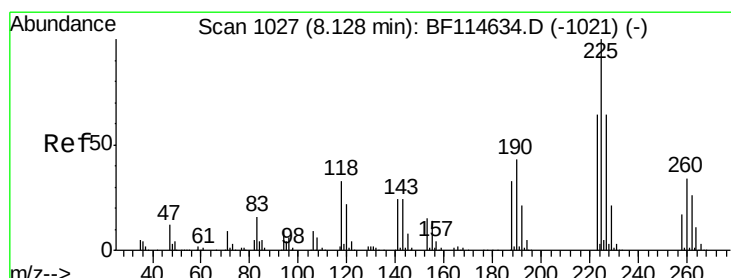
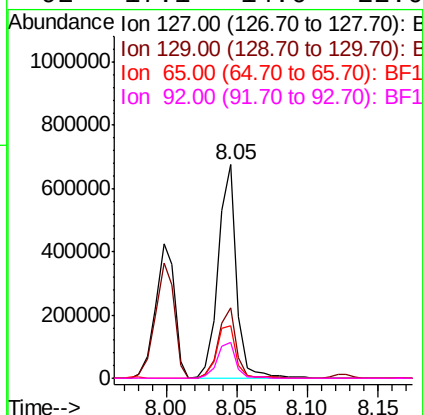
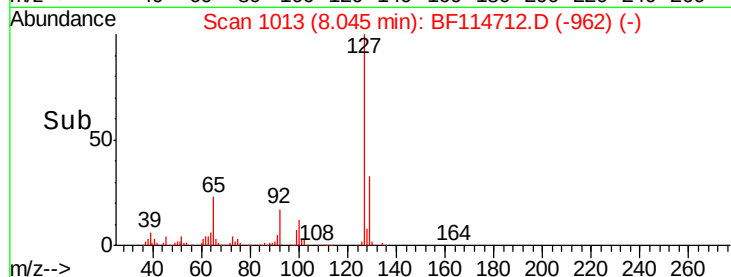
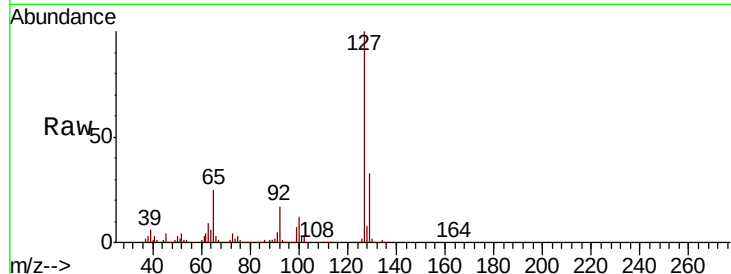
#33  
4-Chloroaniline  
Concen: 19.890 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 602917 |       |       |
| 129     | 32.9 | 26.7  | 40.1   |       |       |
| 65      | 24.8 | 22.5  | 33.7   |       |       |
| 92      | 17.1 | 14.6  | 22.0   |       |       |

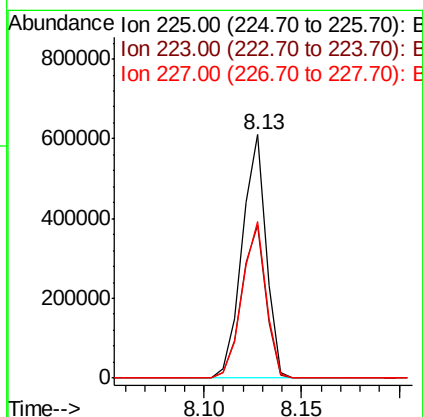
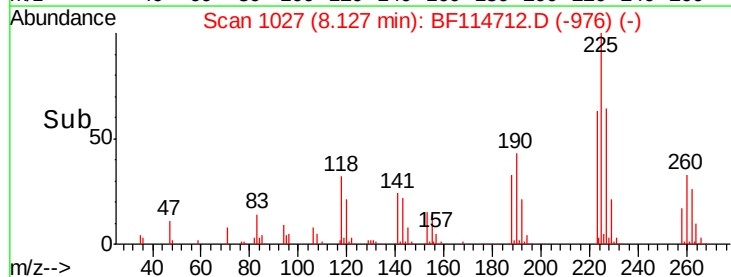
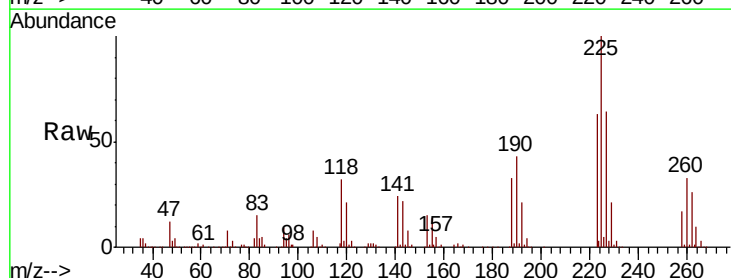
Manual Integrations  
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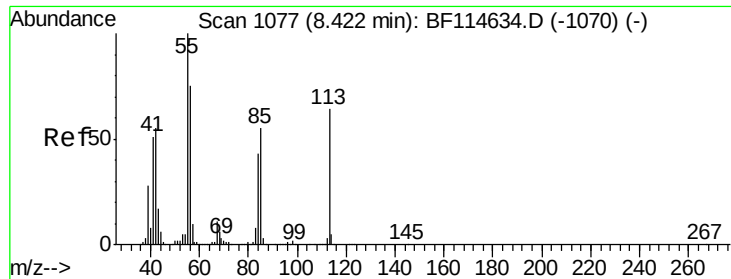
mohammad  
6/3/2019 8:49:33 AM



#34  
Hexachlorobutadiene  
Concen: 42.396 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 519987 |       |       |
| 223     | 62.6 | 50.9  | 76.3   |       |       |
| 227     | 64.0 | 51.3  | 76.9   |       |       |





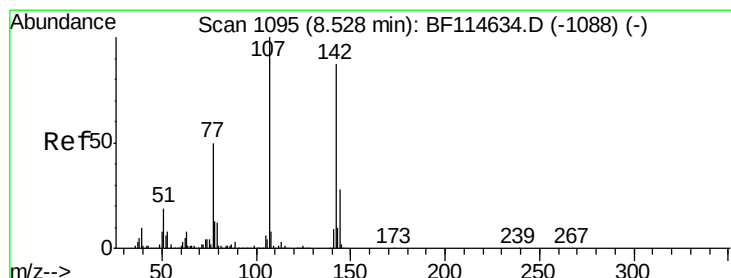
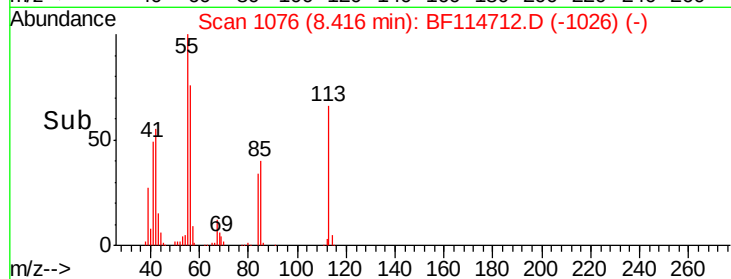
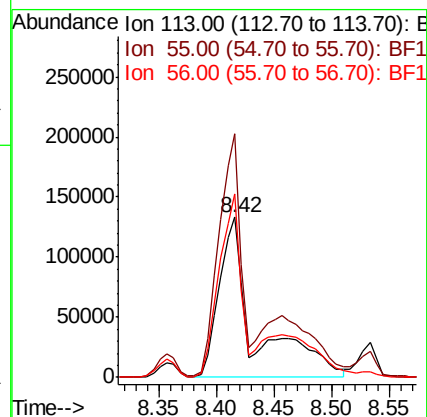
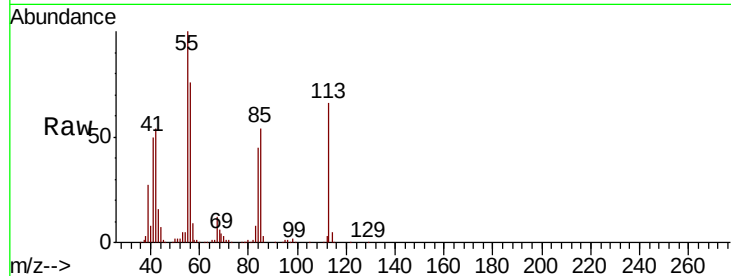
#35  
 Caprolactam  
 Concen: 43.952 ng/ml  
 RT: 8.42 min Scan# 1076  
 Delta R.T. -0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 113     | 100   |       | 287438 |       |       |
| 55      | 152.3 | 136.4 | 176.4  |       |       |
| 56      | 115.0 | 97.0  | 137.0  |       |       |

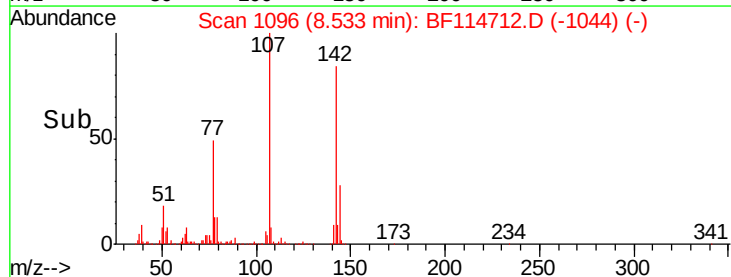
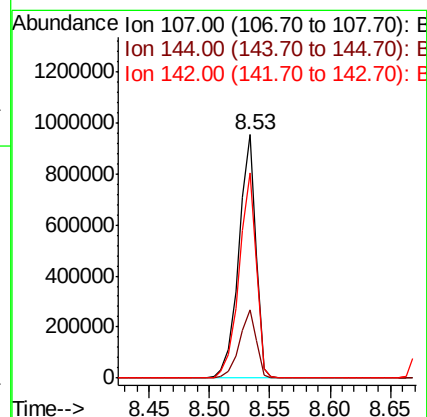
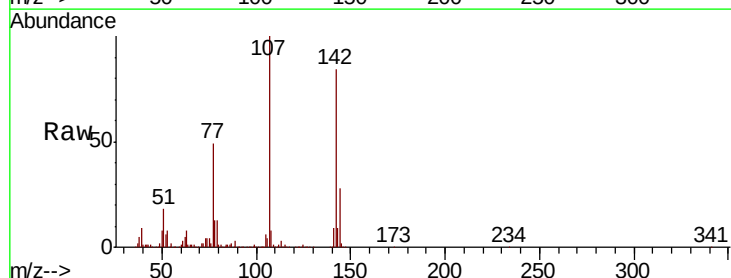
Manual Integrations  
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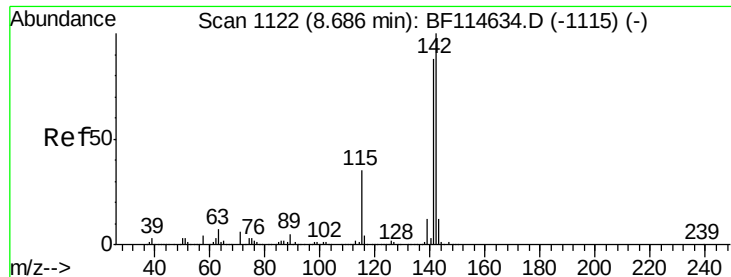
mohammad  
 6/3/2019 8:49:33 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.815 ng/ml  
 RT: 8.53 min Scan# 1096  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 948670 |       |       |
| 144     | 28.0 | 22.5  | 33.7   |       |       |
| 142     | 84.4 | 69.8  | 104.6  |       |       |





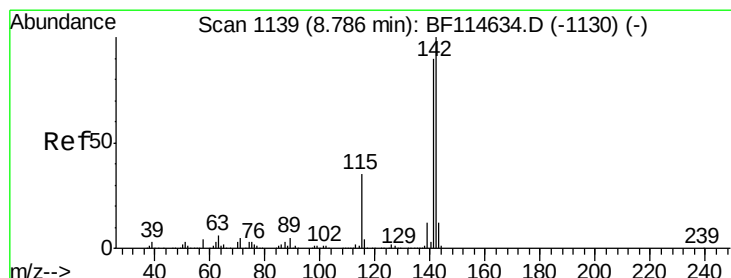
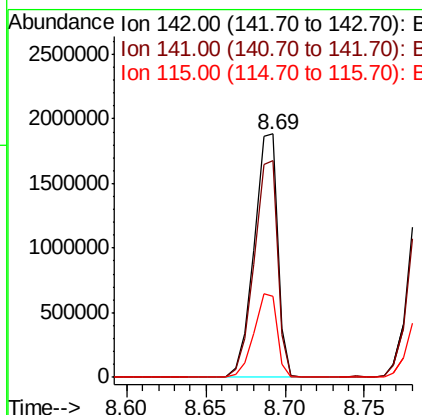
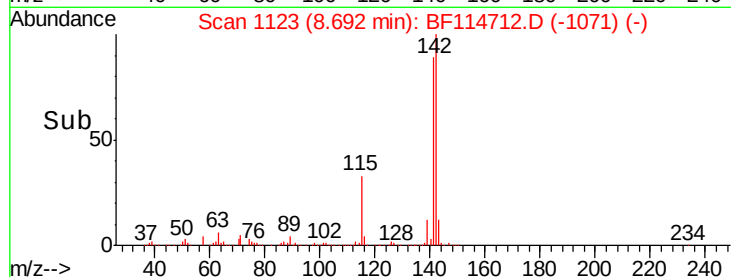
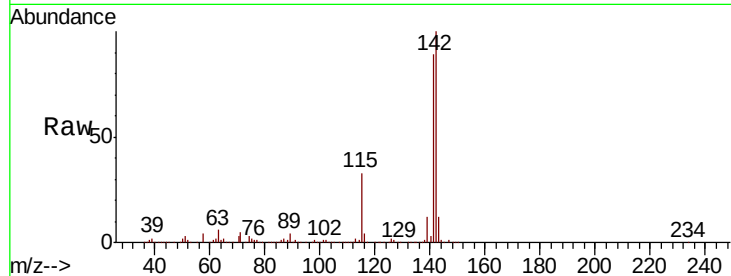
#37  
2-Methylnaphthalene  
Concen: 46.306 ng  
RT: 8.69 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

Tot Ion:142 Resp: 1957452  
Ion Ratio Lower Upper  
142 100  
141 89.0 70.3 105.5  
115 33.1 28.0 42.0

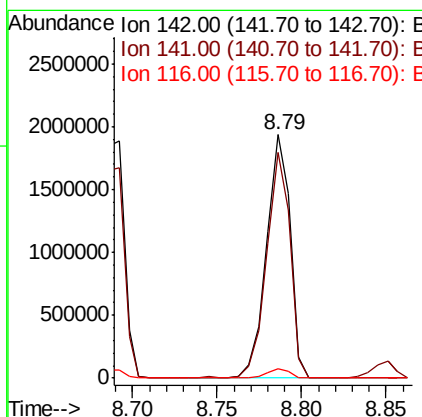
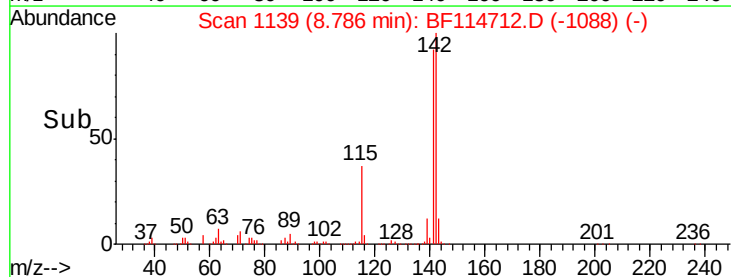
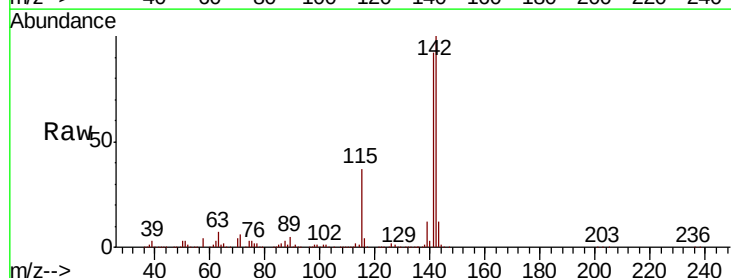
Manual Integrations  
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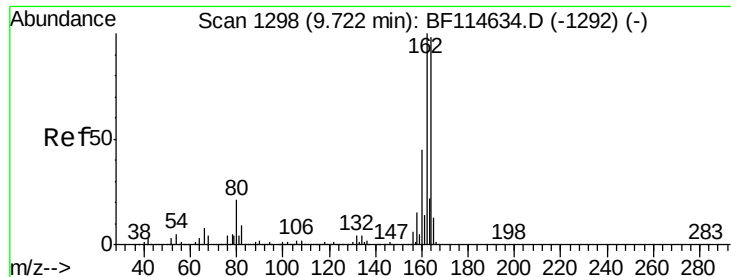
mohammad  
6/3/2019 8:49:33 AM



#38  
1-Methylnaphthalene  
Concen: 46.480 ng  
RT: 8.79 min Scan# 1139  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Tgt Ion:142 Resp: 1861589  
Ion Ratio Lower Upper  
142 100  
141 92.5 72.3 108.5  
116 4.0 3.0 4.4





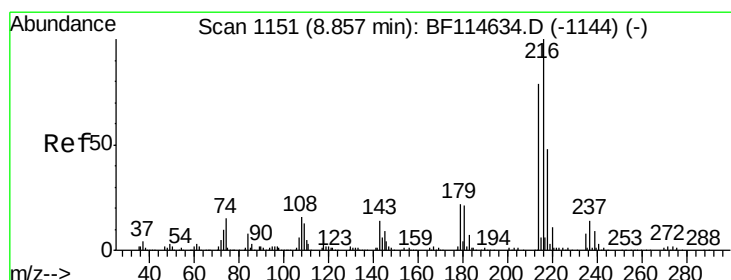
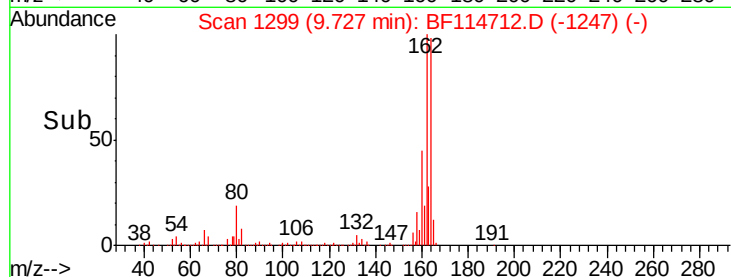
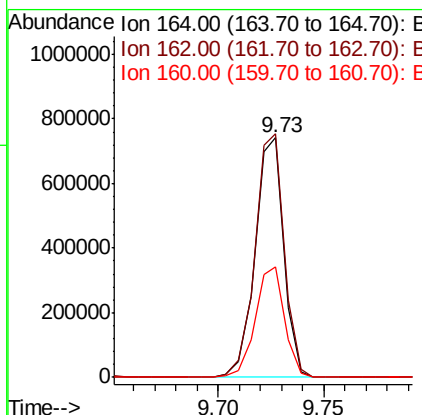
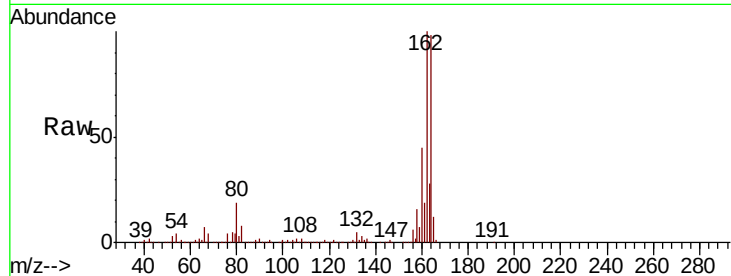
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1299  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.7 | 81.4  | 122.2 |
| 160     | 46.2  | 36.6  | 54.8  |

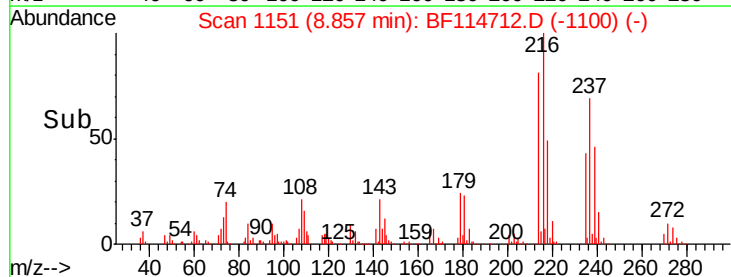
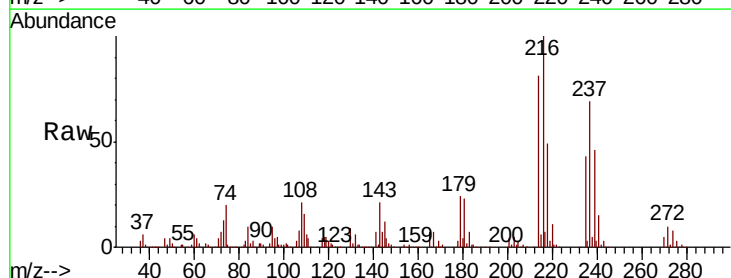
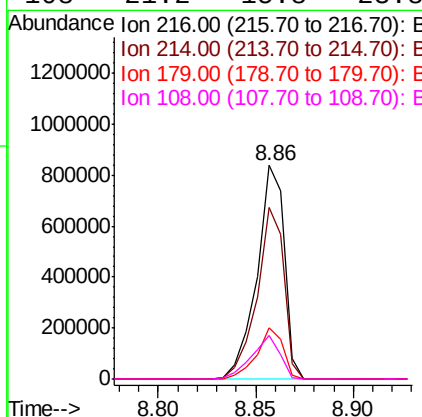
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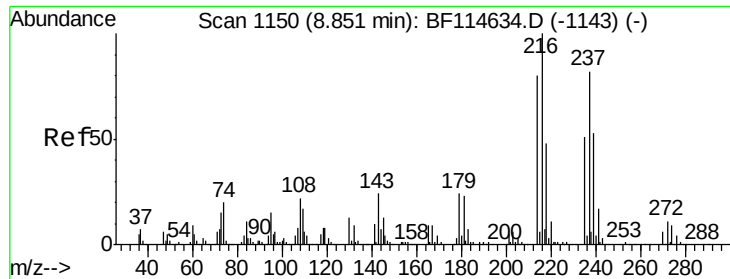


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.597 ng  
RT: 8.86 min Scan# 1151  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.9  | 63.2  | 94.8  |
| 179     | 22.7  | 17.9  | 26.9  |
| 108     | 21.2  | 15.8  | 23.8  |







#41

Hexachlorocyclopentadiene

Concen: 80.268 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

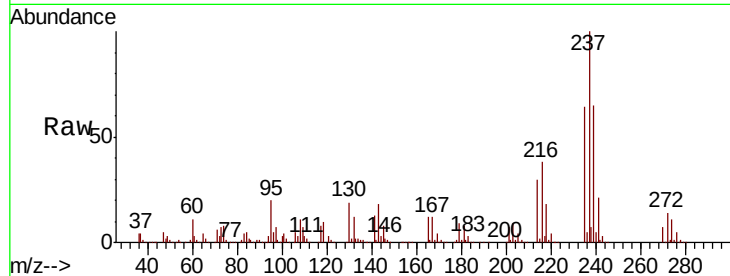
ClientSampleId :

FESB-27(3.5-4)MS

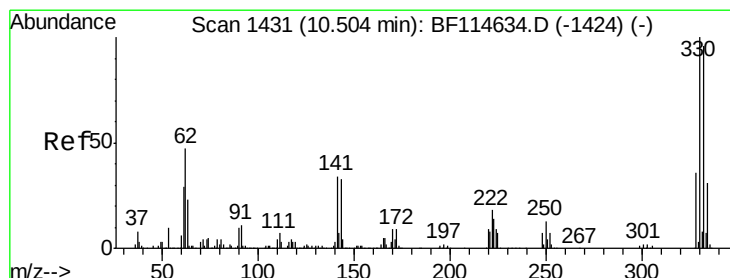
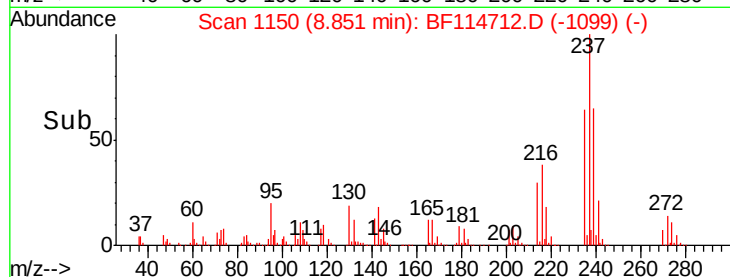
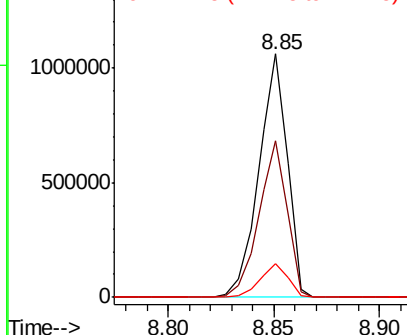
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 990450 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 64.1  | 42.8  | 82.8   |
| 272       | 13.7  | 0.0   | 33.7   |

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



#42

2,4,6-Tribromophenol

Concen: 131.122 ng

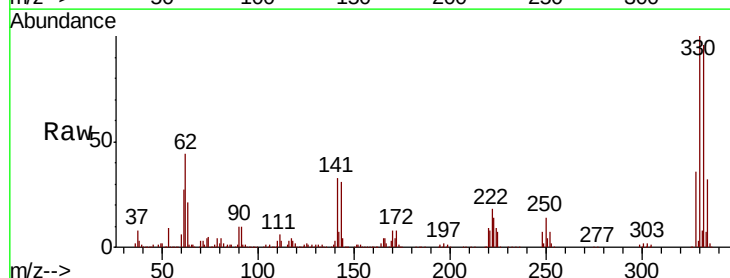
RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

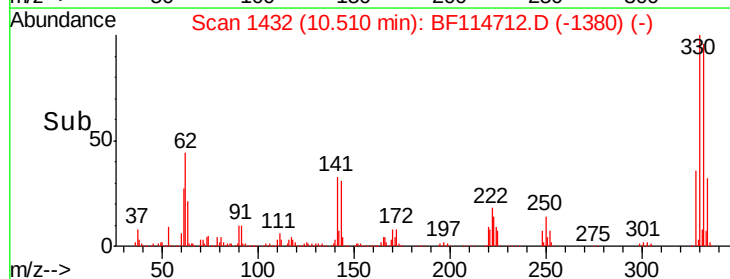
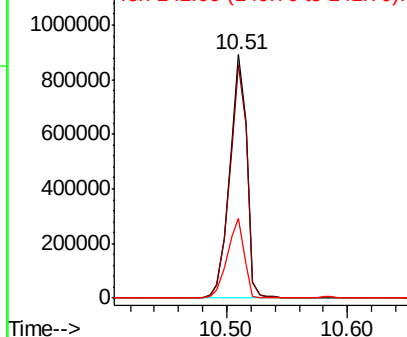
Lab File: BF114712.D

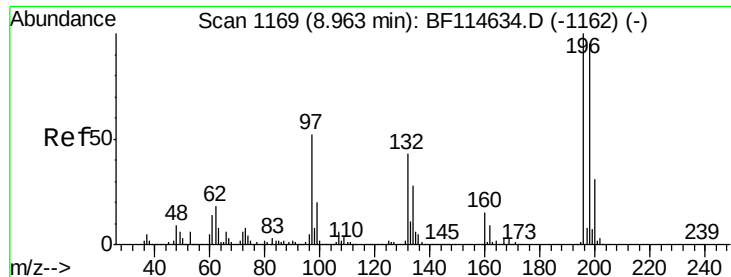
Acq: 31 May 2019 16:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 876035 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.1  | 75.8  | 113.8  |
| 141       | 32.6  | 27.8  | 41.8   |



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





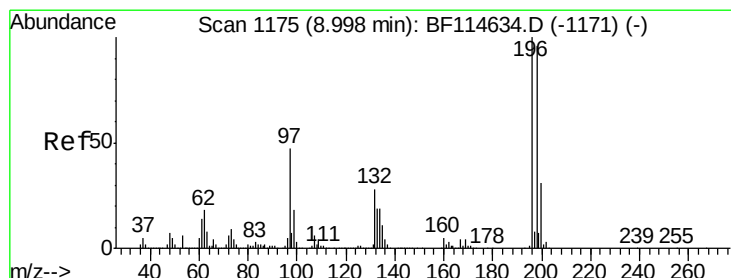
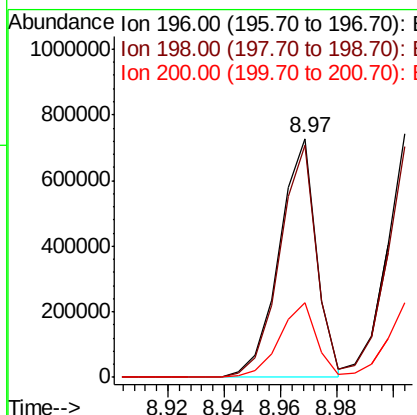
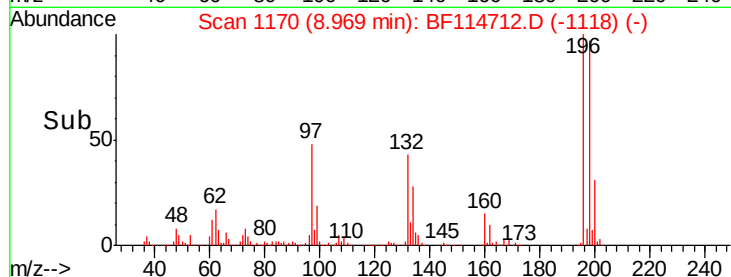
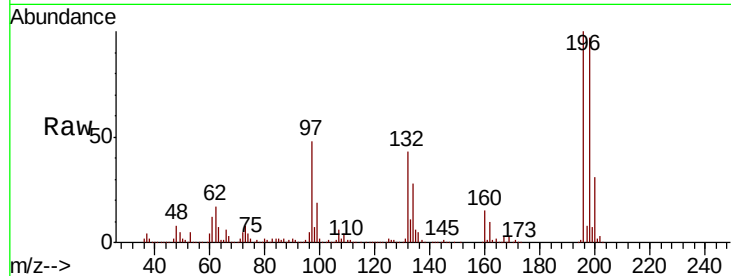
#43  
 2,4,6-Trichlorophenol  
 Concen: 45.202 ng  
 RT: 8.97 min Scan# 1170  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 664123 |       |       |
| 198     | 97.1  | 76.1   | 114.1 |       |
| 200     | 31.3  | 24.7   | 37.1  |       |

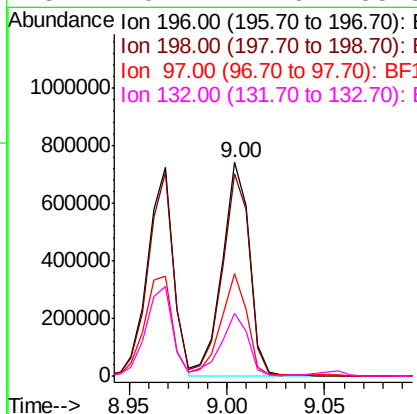
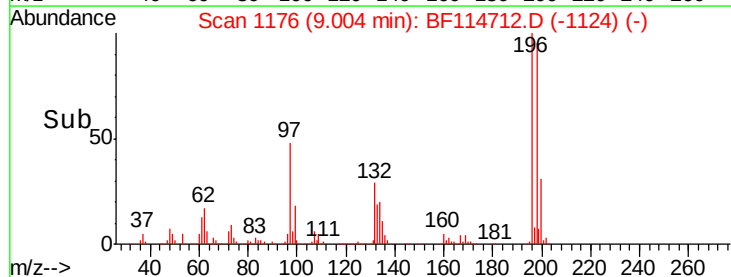
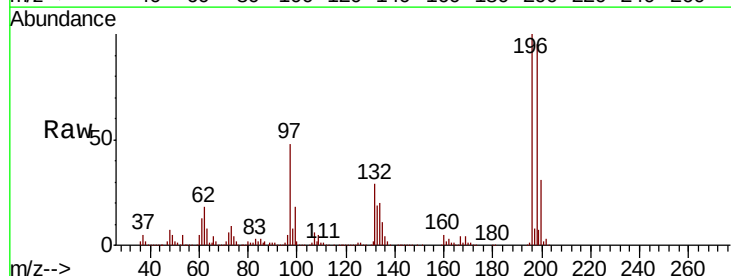
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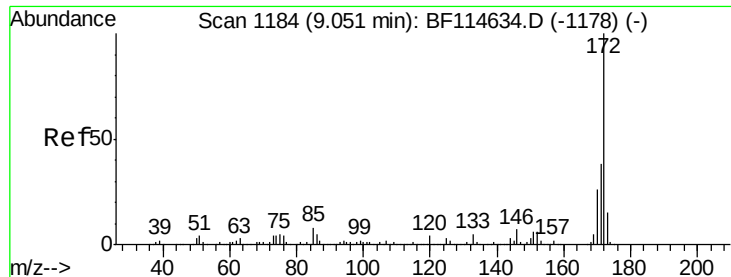
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#44  
 2,4,5-Trichlorophenol  
 Concen: 48.697 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 713979 |       |       |
| 198     | 94.8  | 76.8   | 115.2 |       |
| 97      | 48.1  | 37.8   | 56.8  |       |
| 132     | 29.4  | 22.6   | 33.8  |       |





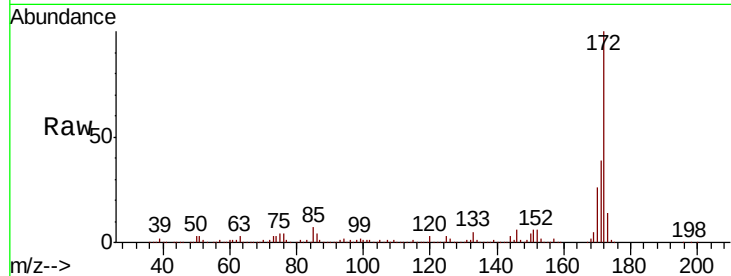
#45  
2-Fluorobiphenyl  
Concen: 83.187 ng  
RT: 9.06 min Scan# 1185  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 30.6  | 45.8  |
| 170     | 26.5  | 20.7  | 31.1  |

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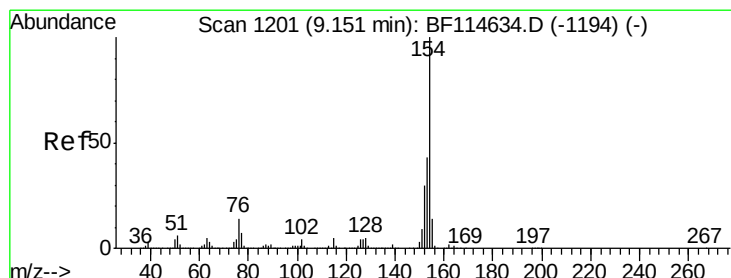
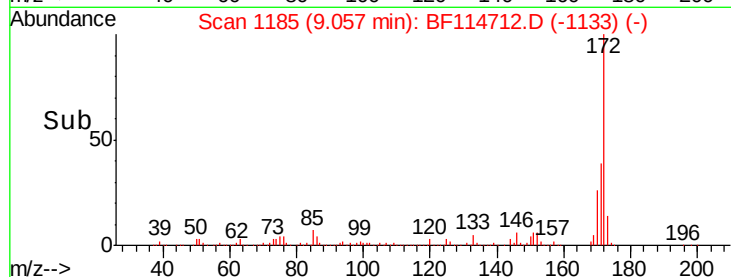
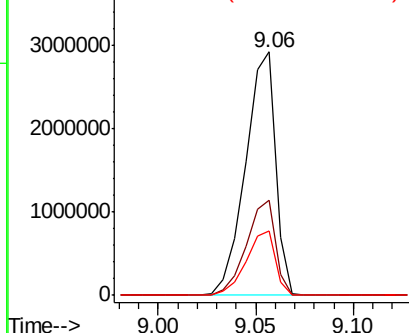


Abundance

Ion 172.00 (171.70 to 172.70): E

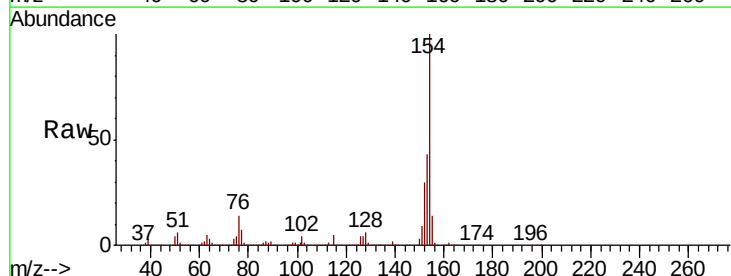
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 43.671 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.7  | 23.0  | 63.0  |
| 76      | 14.2  | 0.0   | 33.9  |

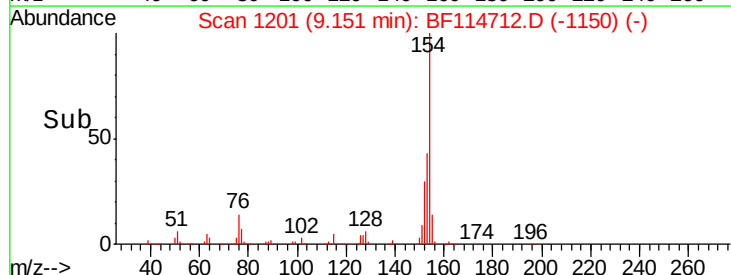
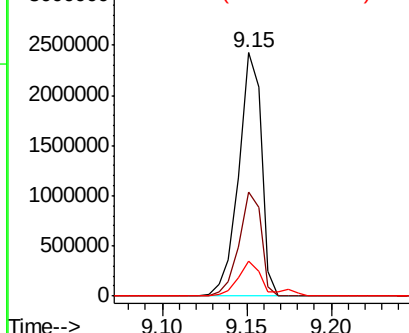


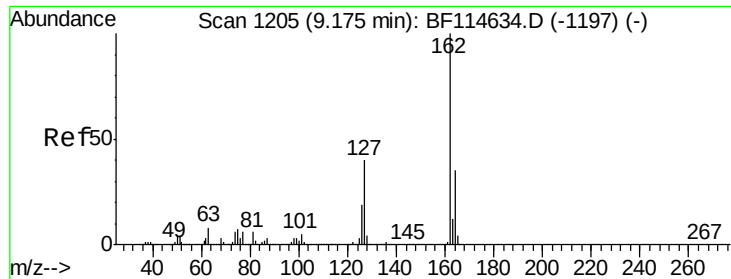
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





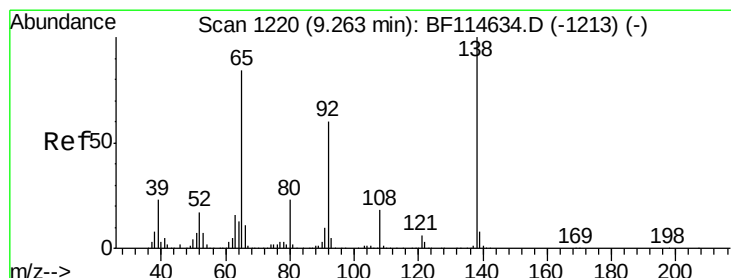
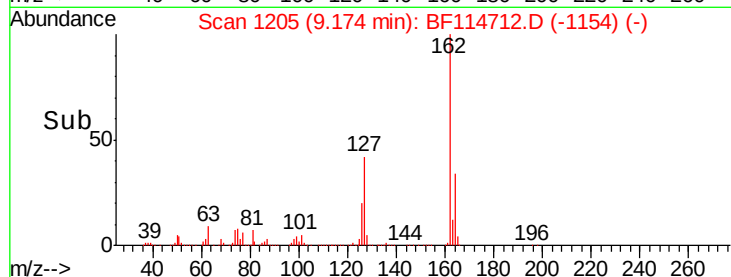
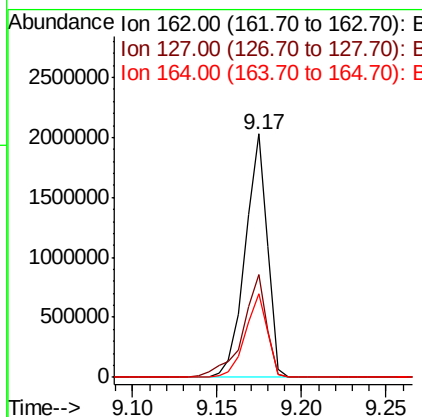
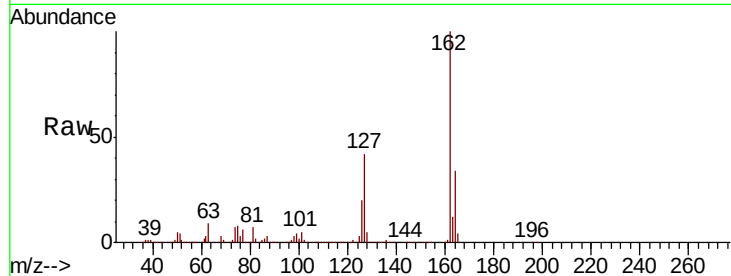
#47  
 2-Chloronaphthalene  
 Concen: 43.449 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.1  | 32.2  | 48.2  |
| 164     | 34.3  | 27.8  | 41.6  |

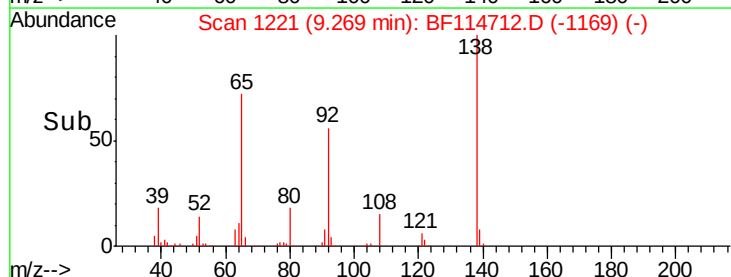
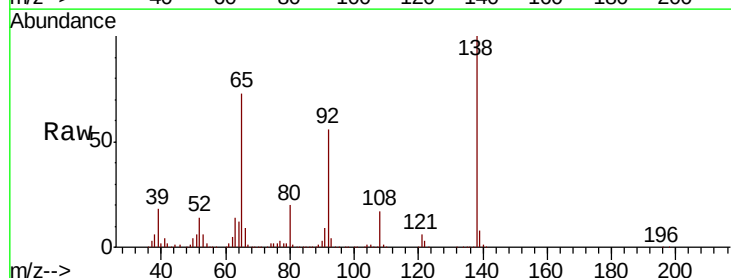
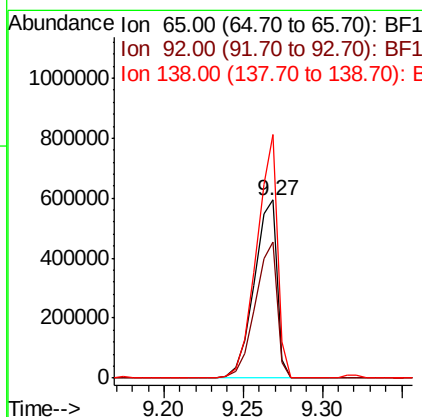
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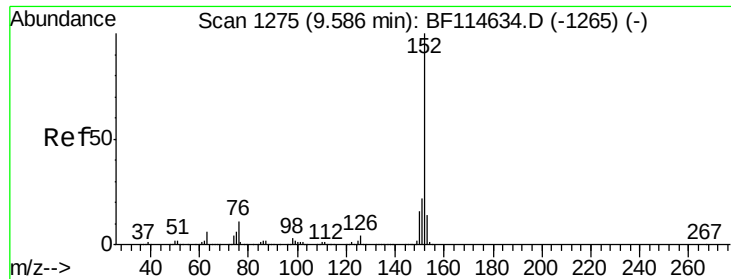
mohammad  
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#48  
 2-Nitroaniline  
 Concen: 45.032 ng  
 RT: 9.27 min Scan# 1221  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 76.7  | 57.1  | 85.7  |
| 138     | 136.9 | 95.8  | 143.6 |





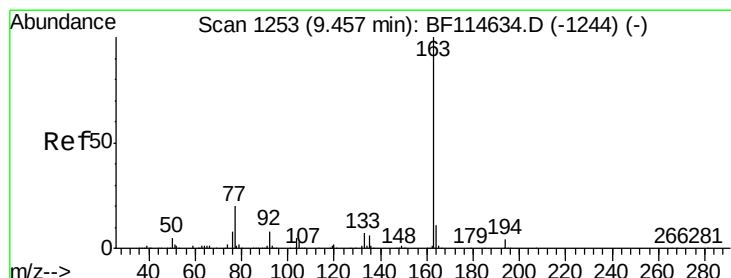
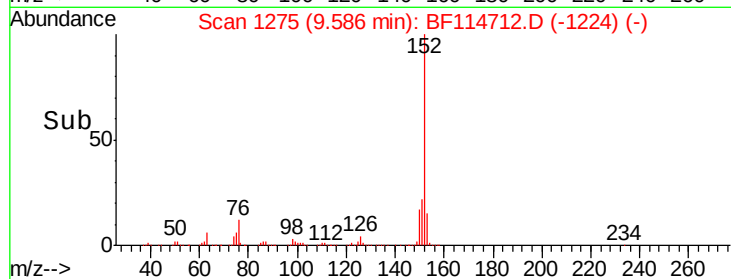
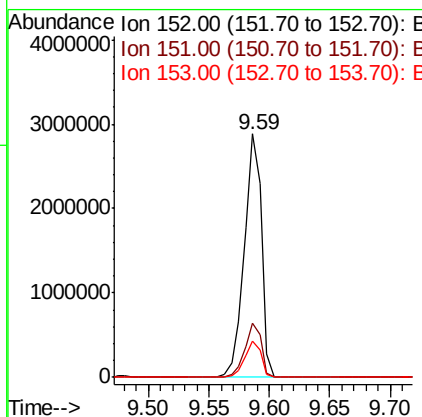
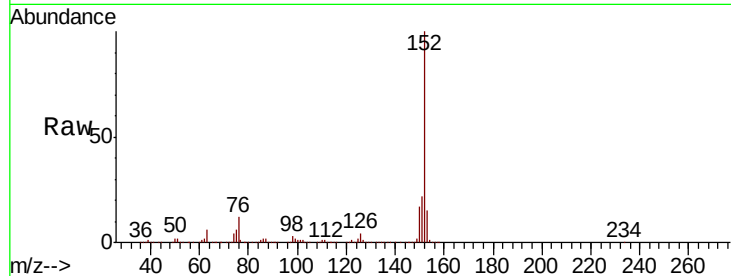
#49  
Acenaphthylene  
Concen: 43.616 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.3  | 17.5  | 26.3  |
| 153     | 15.0  | 11.6  | 17.4  |

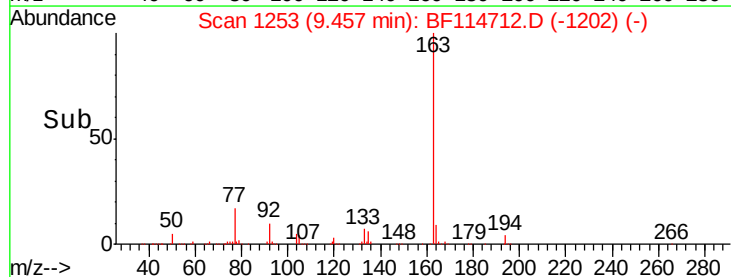
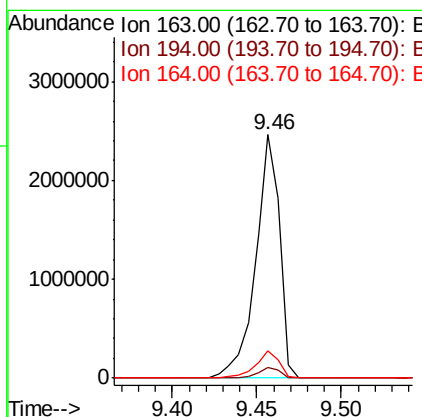
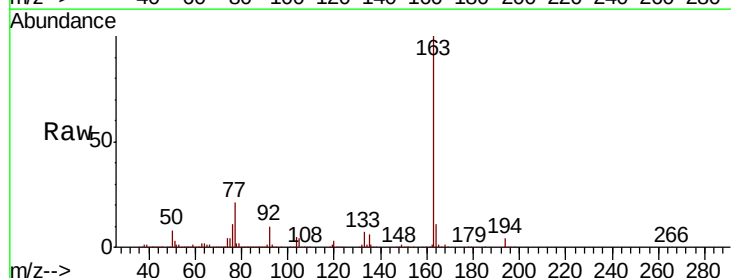
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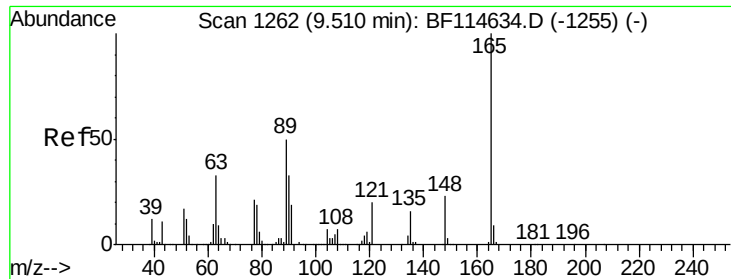
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#50  
Dimethylphthalate  
Concen: 49.419 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.4   | 5.0   |
| 164     | 11.2  | 8.6   | 13.0  |





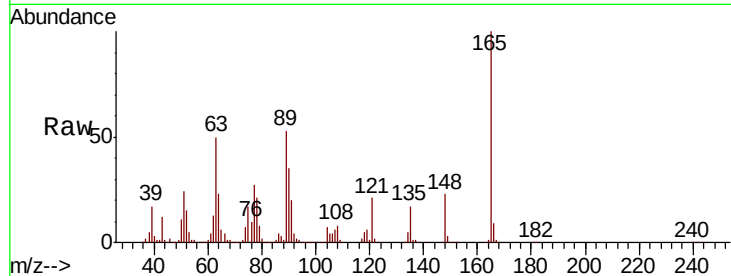
#51  
 2,6-Dinitrotoluene  
 Concen: 48.020 ng  
 RT: 9.51 min Scan# 1262  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 545166 |       |       |
| 63      | 49.7  | 36.6   | 54.8  |       |
| 89      | 52.7  | 40.2   | 60.4  |       |

Manual Integrations  
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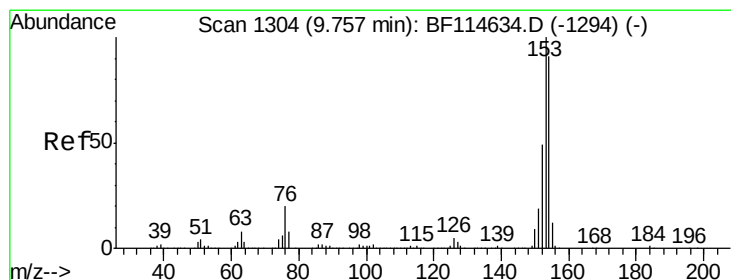
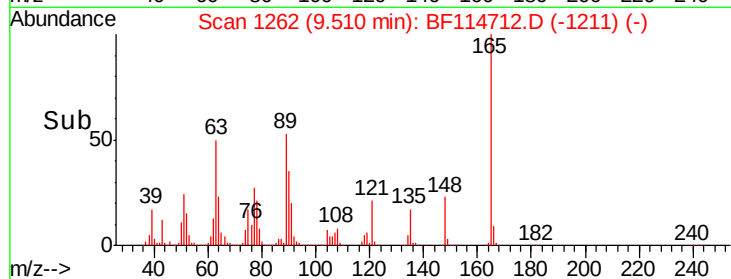
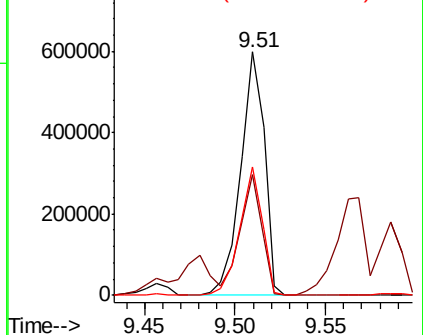


Abundance

Ion 165.00 (164.70 to 165.70): E

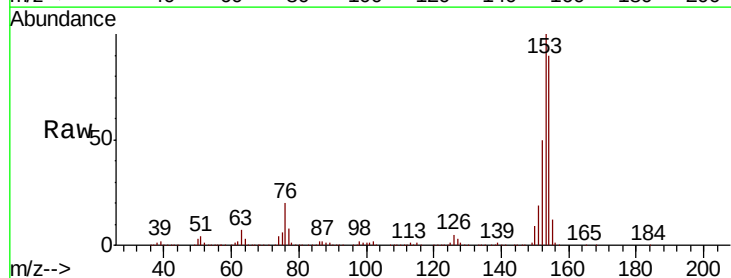
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52  
 Acenaphthene  
 Concen: 43.839 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1773322 |       |       |
| 153     | 110.9 | 88.4    | 132.6 |       |
| 152     | 55.0  | 43.4    | 65.0  |       |

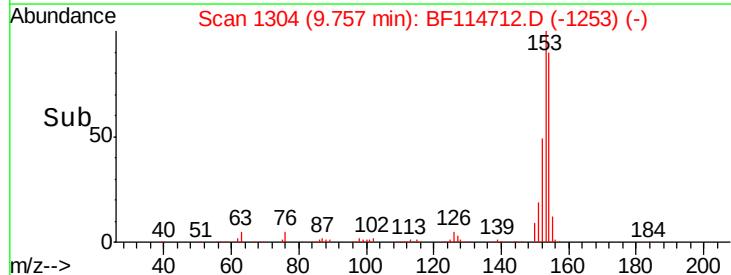
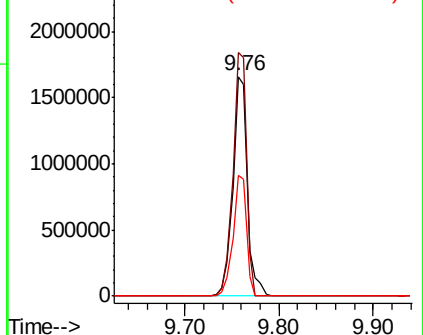


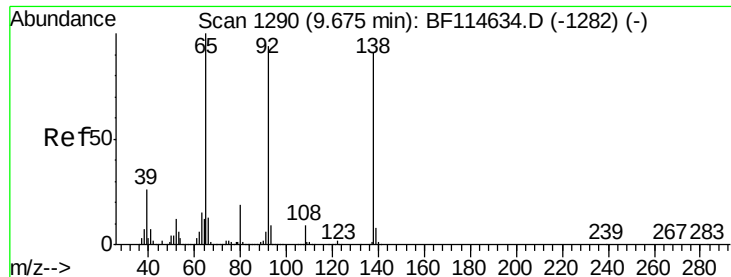
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





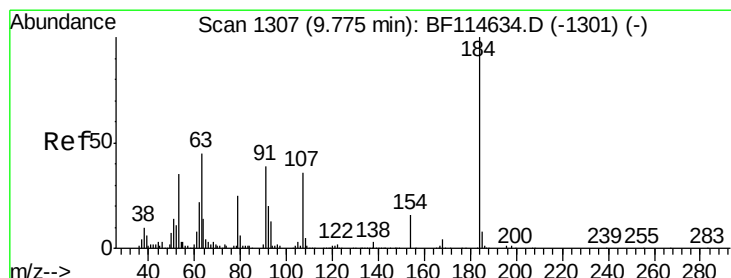
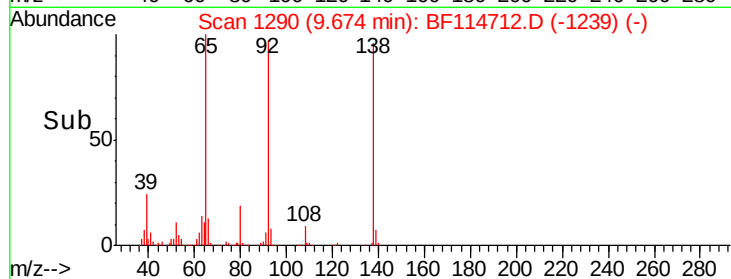
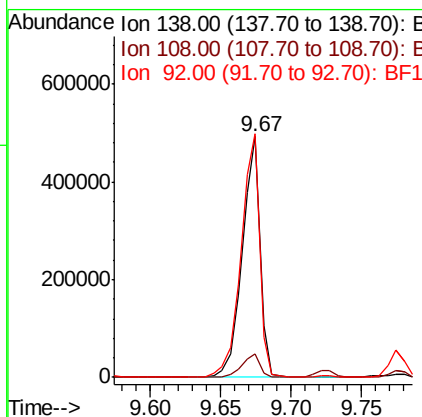
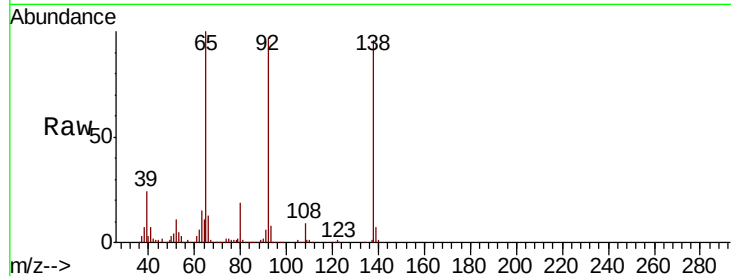
#53  
3-Nitroaniline  
Concen: 31.035 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.8   | 8.3   | 12.5  |
| 92      | 101.1 | 83.1  | 124.7 |

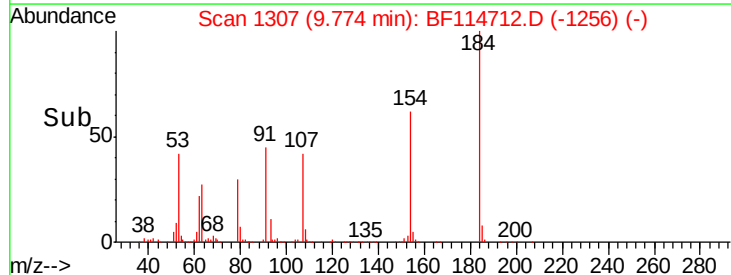
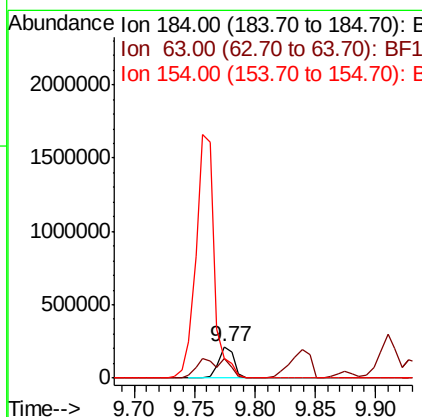
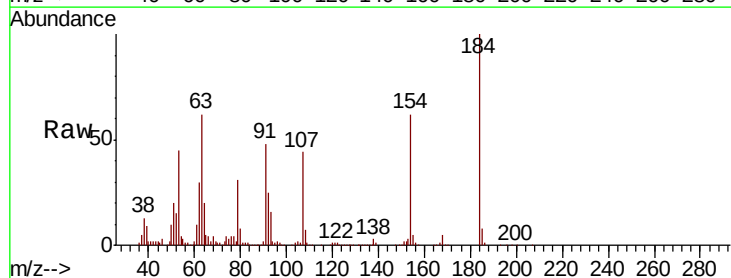
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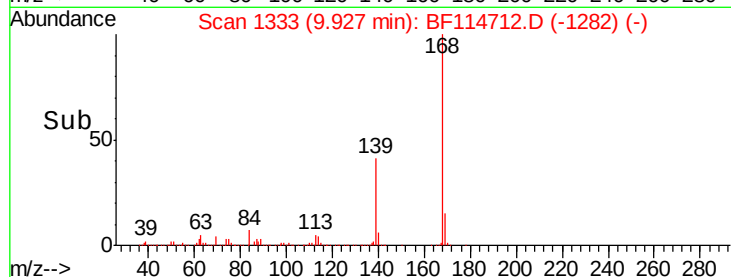
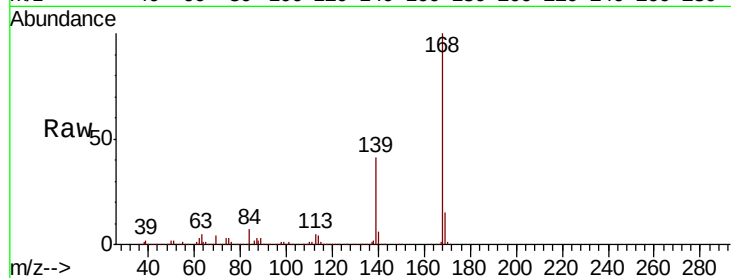
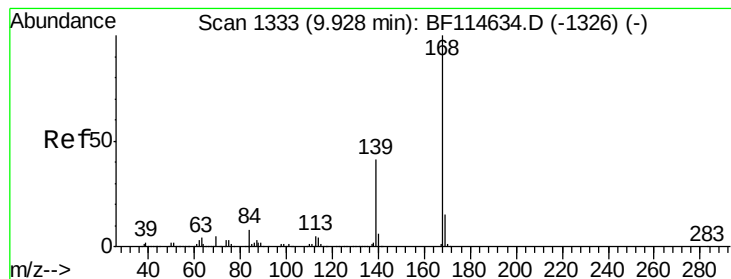
mohammad  
6/3/2019 8:49:33 AM



#54  
2,4-Dinitrophenol  
Concen: 41.681 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 62.2  | 38.8  | 58.2# |
| 154     | 62.3  | 43.7  | 65.5  |





#55

Dibenzofuran

Concen: 43.416 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 168   | Resp: | 2499895 |
| Ion      | Ratio | Lower | Upper   |
| 168      | 100   |       |         |
| 139      | 41.5  | 32.6  | 48.8    |
| 169      | 14.9  | 11.8  | 17.8    |

Instrument :

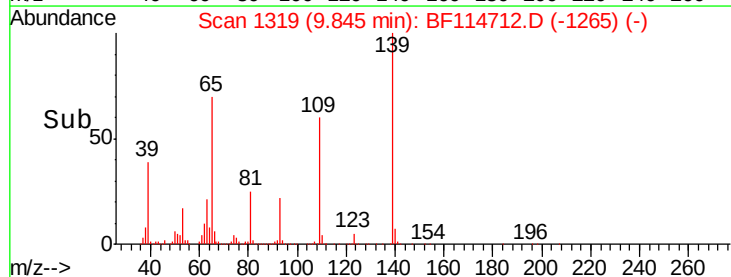
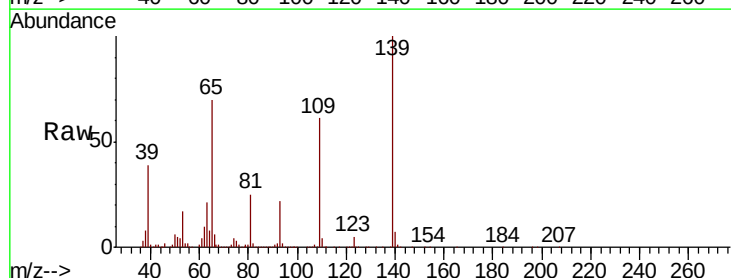
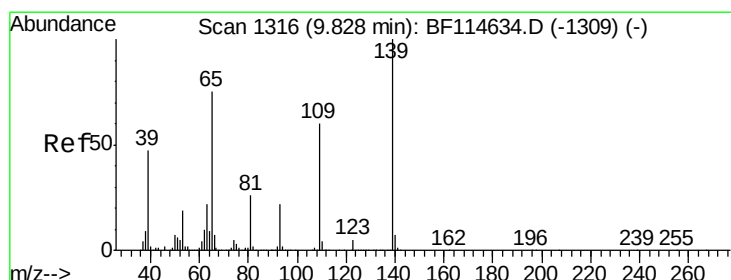
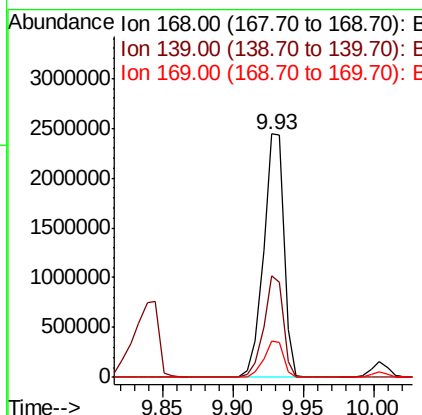
BNA\_F

ClientSampleId :

FESB-27(3.5-4)MS

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#56

4-Nitrophenol

Concen: 92.792 ng

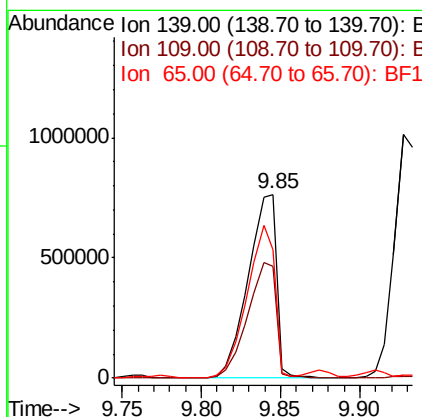
RT: 9.85 min Scan# 1319

Delta R.T. 0.02 min

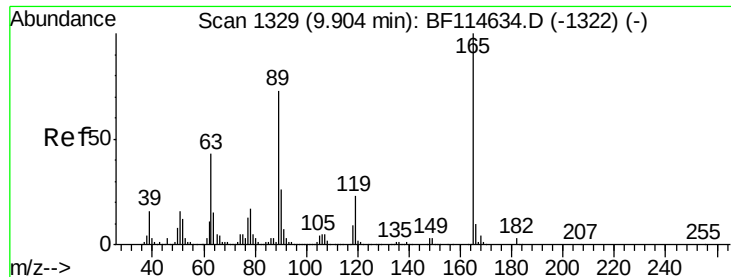
Lab File: BF114712.D

Acq: 31 May 2019 16:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 955468 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 60.5  | 40.4  | 80.4   |
| 65       | 69.8  | 54.7  | 94.7   |







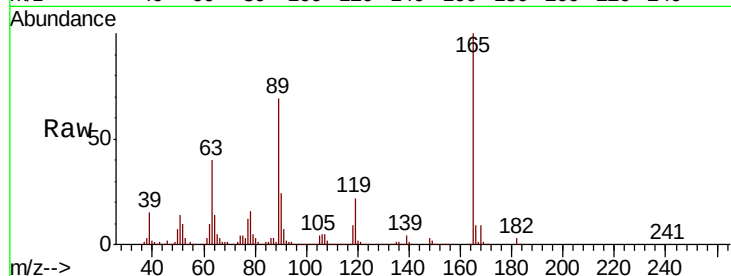
#57  
2,4-Dinitrotoluene  
Concen: 50.168 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

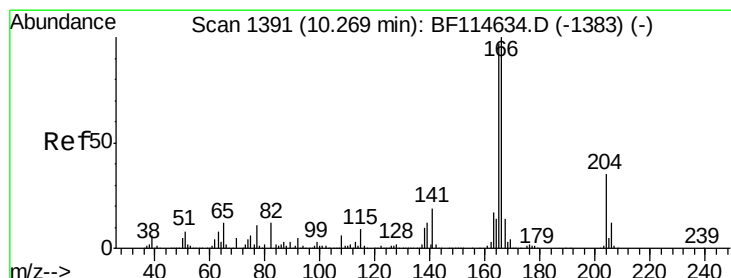
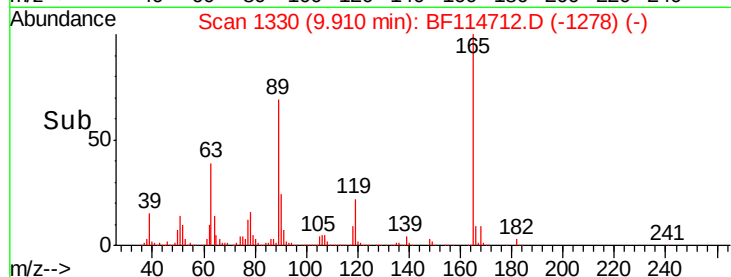
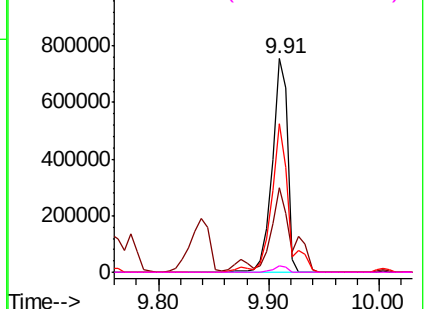
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 730966 |       |       |
| 63      | 39.6  |        | 34.8  | 52.2  |
| 89      | 69.4  |        | 58.5  | 87.7  |
| 182     | 2.7   |        | 2.2   | 3.2   |

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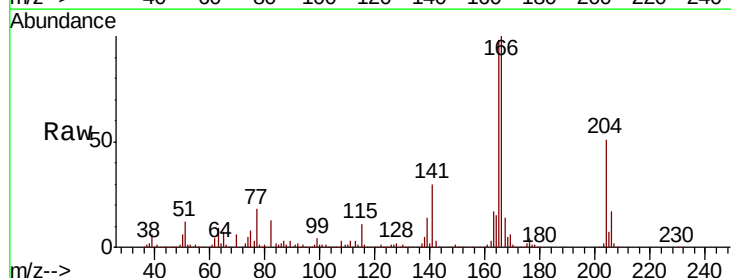


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

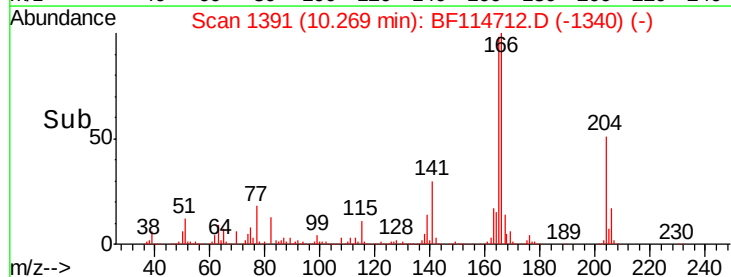
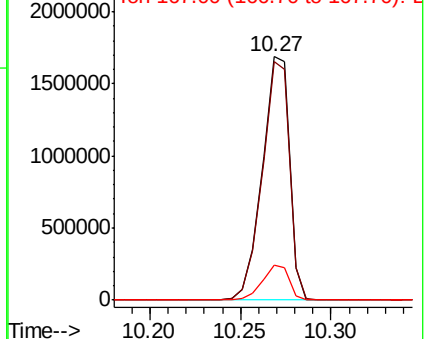


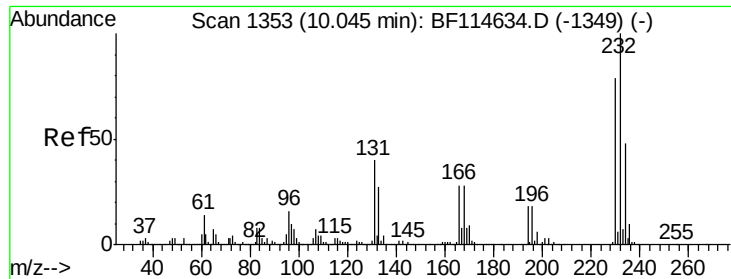
#58  
Fluorene  
Concen: 46.951 ng  
RT: 10.27 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1767276 |       |       |
| 165     | 98.1  |         | 77.6  | 116.4 |
| 167     | 14.5  |         | 11.2  | 16.8  |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





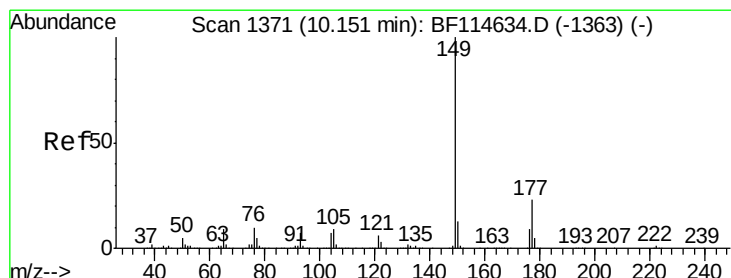
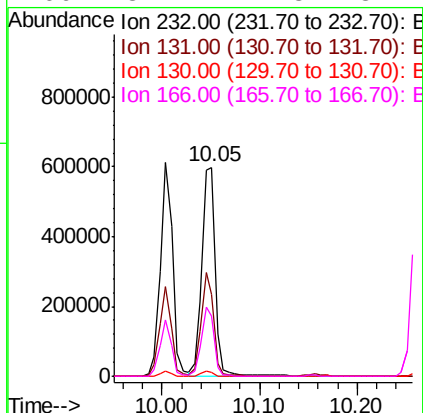
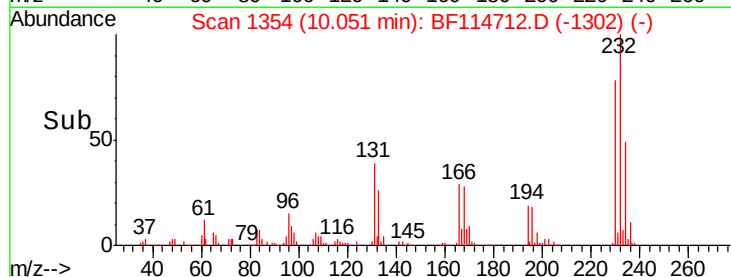
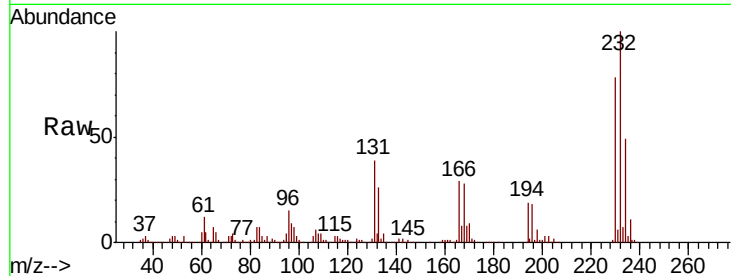
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.484 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 45.7  | 37.2  | 55.8  |
| 130     | 2.2   | 1.8   | 2.8   |
| 166     | 31.2  | 24.8  | 37.2  |

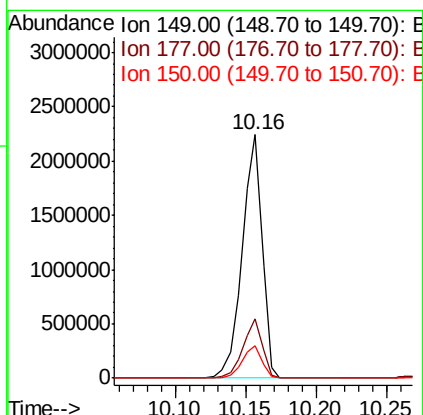
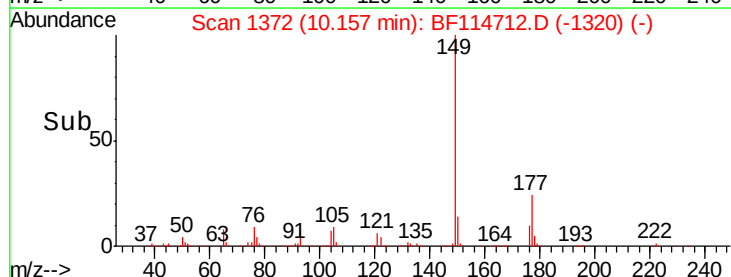
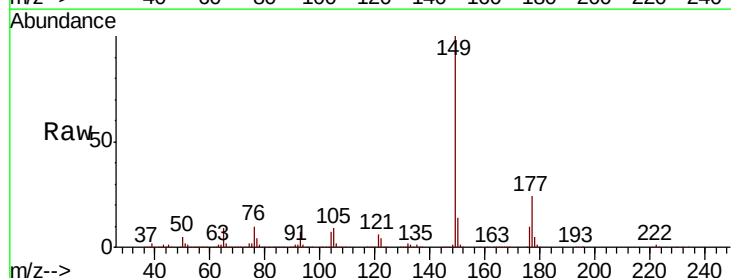
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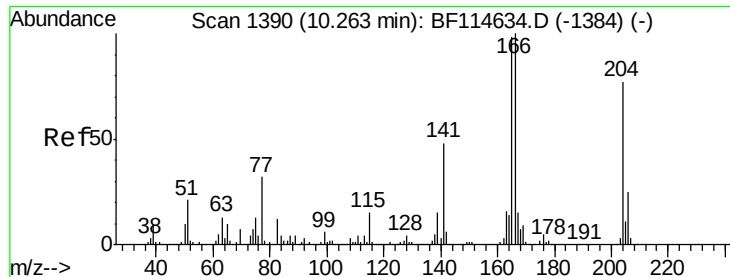
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#60  
Diethylphthalate  
Concen: 44.011 ng  
RT: 10.16 min Scan# 1372  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.1  | 18.6  | 28.0  |
| 150     | 13.5  | 10.6  | 15.8  |





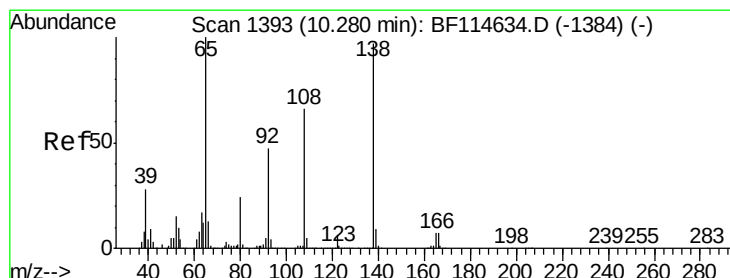
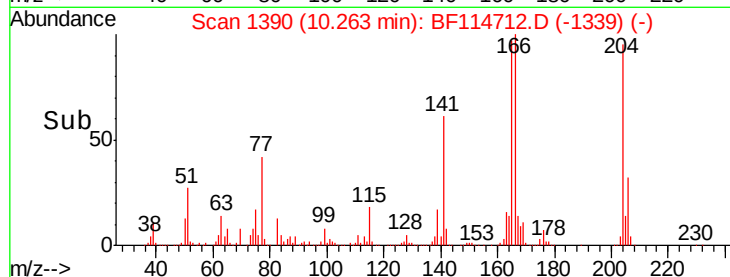
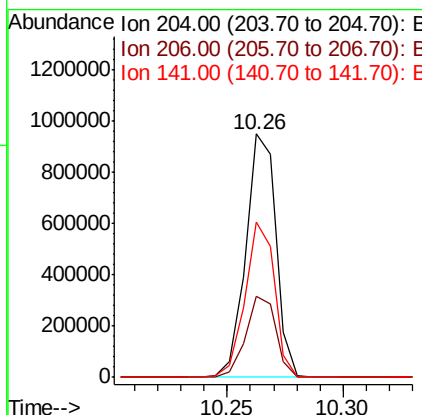
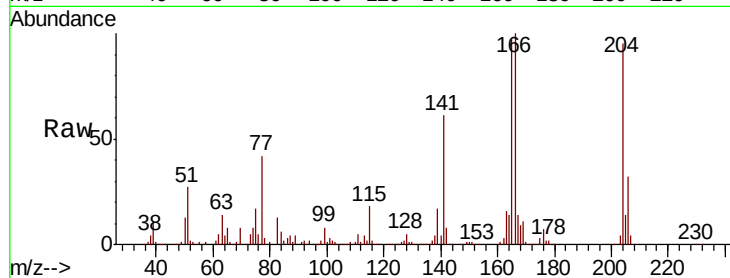
#61  
4-Chlorophenyl-phenylether  
Concen: 45.420 ng  
RT: 10.26 min Scan# 1390  
Delta R.T. 0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.4  | 39.6  |
| 141     | 63.6  | 50.0  | 75.0  |

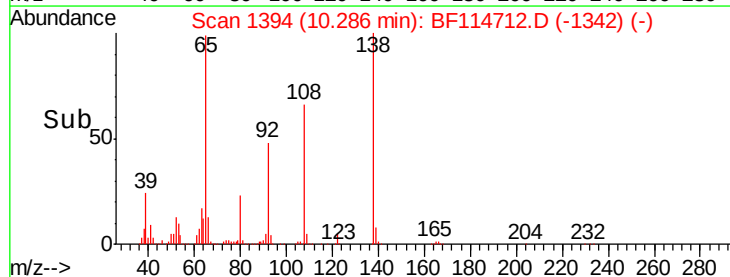
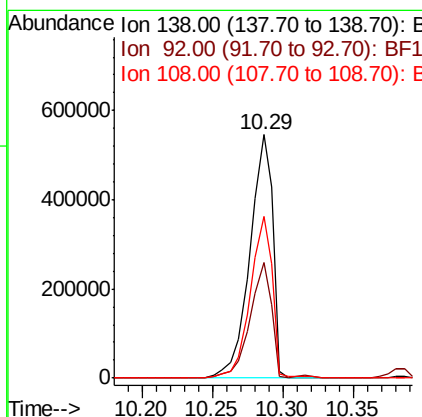
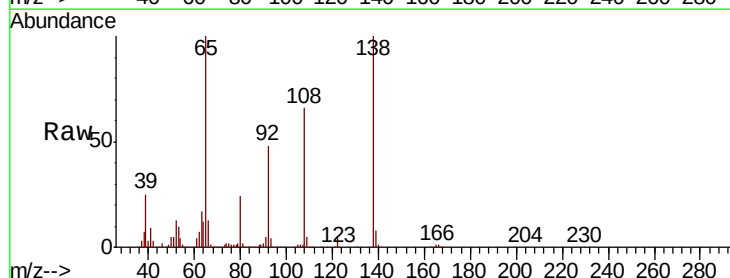
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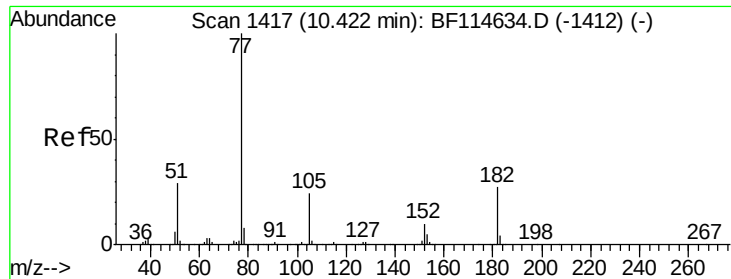
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#62  
4-Nitroaniline  
Concen: 46.276 ng  
RT: 10.29 min Scan# 1394  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.7  | 28.0  | 68.0  |
| 108     | 66.5  | 48.4  | 88.4  |





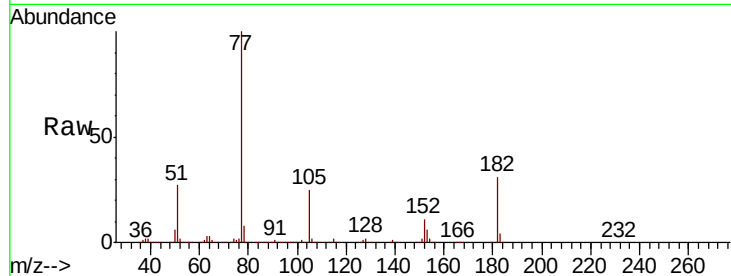
#63  
Azobenzene  
Concen: 43.040 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 31.4  | 7.0   | 47.0  |
| 105     | 25.3  | 3.7   | 43.7  |
| 51      | 27.3  | 9.1   | 49.1  |

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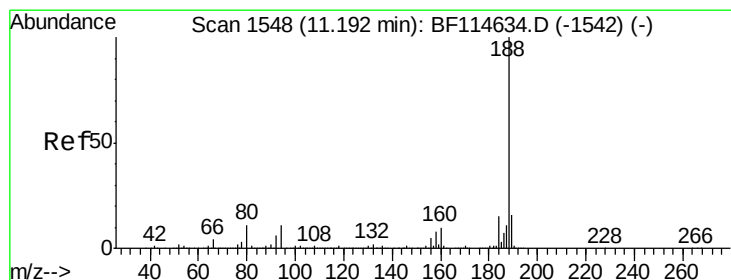
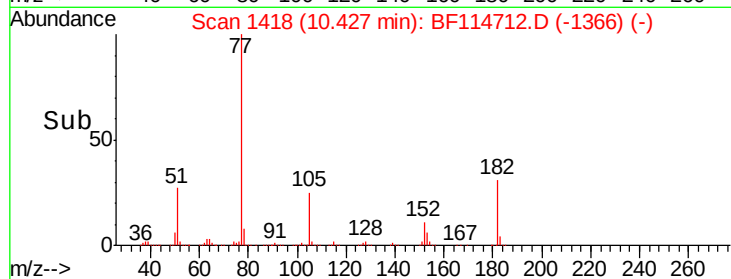
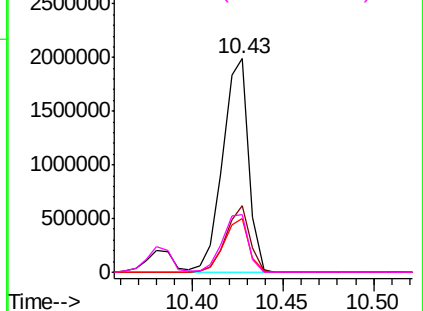
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

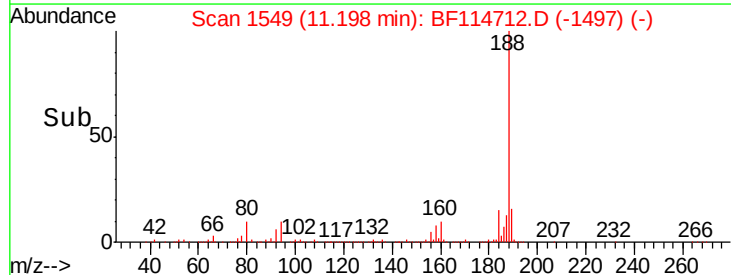
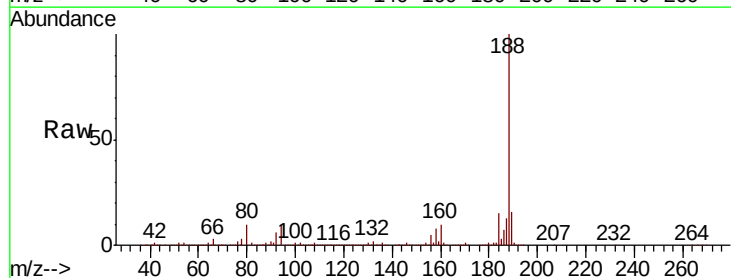
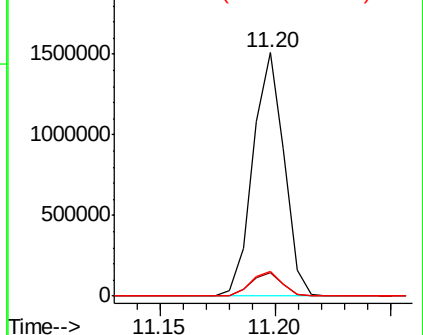
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 8.6   | 13.0  |
| 80      | 10.3  | 9.0   | 13.6  |

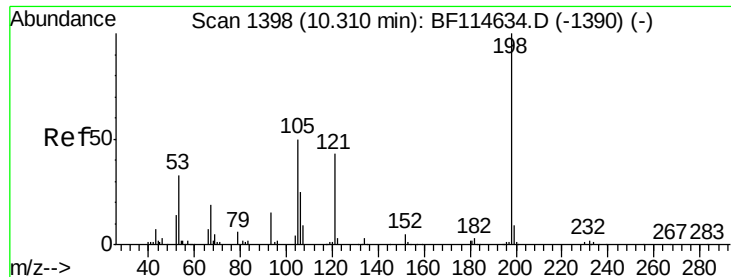
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 36.149 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

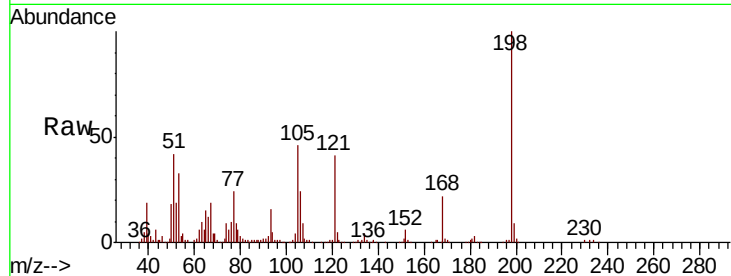
ClientSampleId :

FESB-27(3.5-4)MS

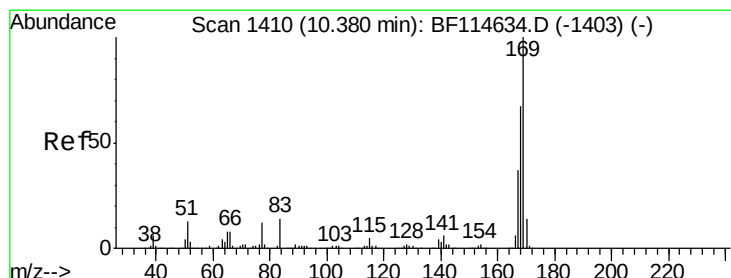
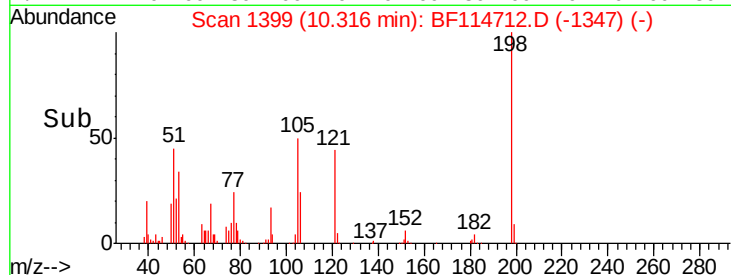
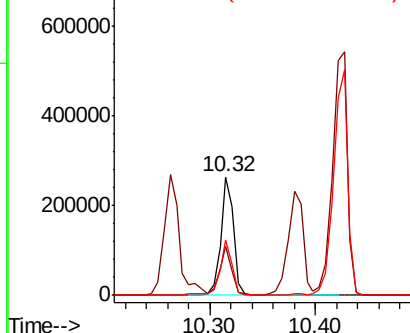
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 226994 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 41.9  | 29.0  | 69.0   |
| 105       | 46.2  | 30.4  | 70.4   |

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Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 43.465 ng

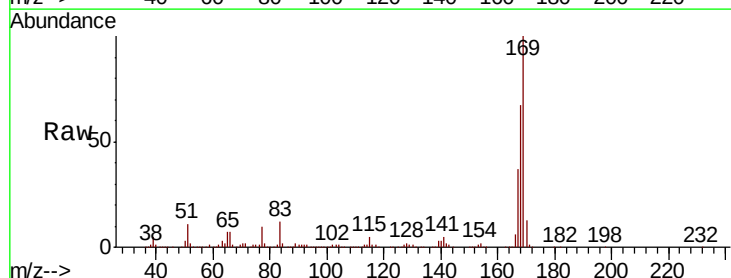
RT: 10.39 min Scan# 1411

Delta R.T. 0.01 min

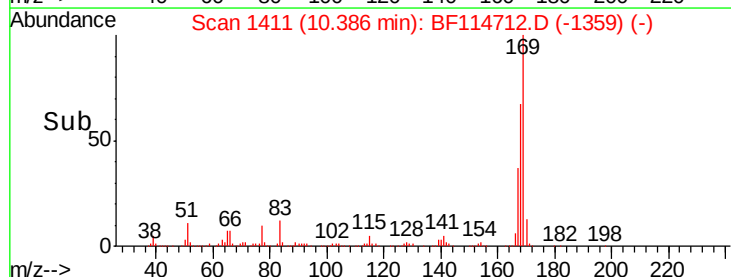
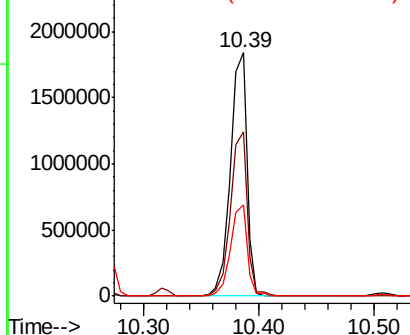
Lab File: BF114712.D

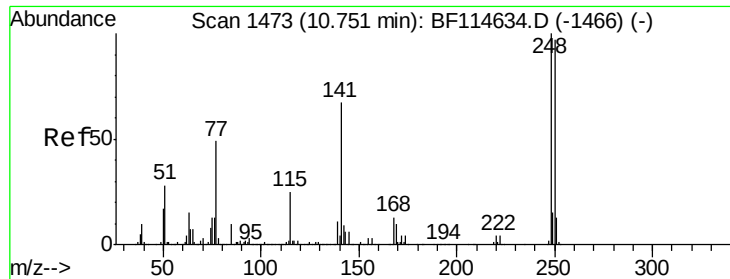
Acq: 31 May 2019 16:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 169   | Resp: | 1818615 |
| Ion Ratio | Lower | Upper |         |
| 169       | 100   |       |         |
| 168       | 67.4  | 53.8  | 80.8    |
| 167       | 37.4  | 29.8  | 44.6    |



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





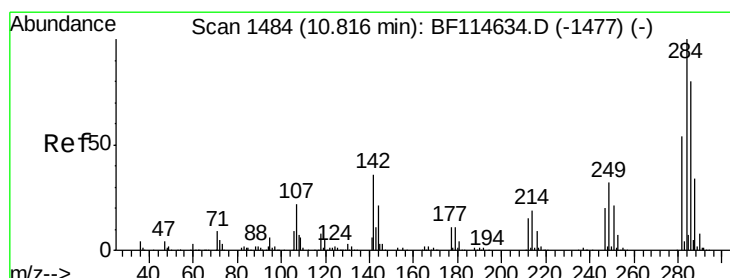
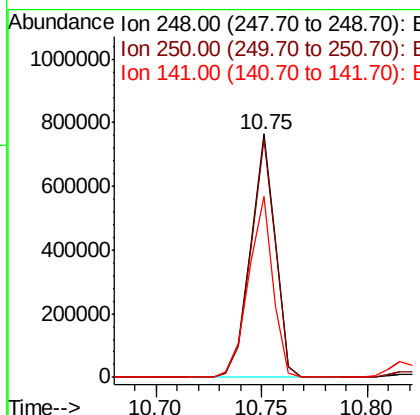
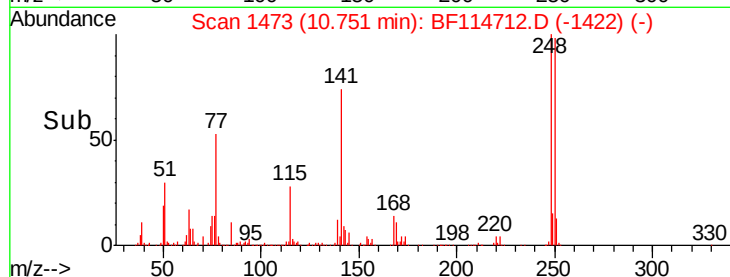
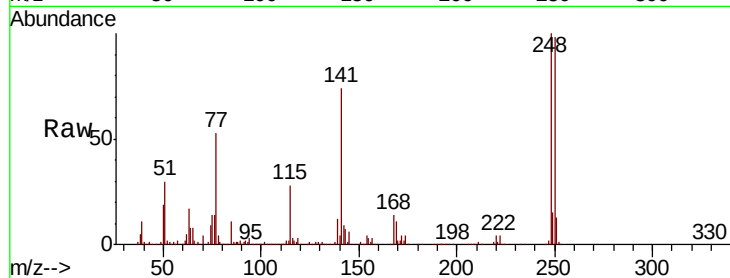
#67  
4-Bromophenyl-phenylether  
Concen: 41.285 ng  
RT: 10.75 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.2  | 78.0  | 117.0 |
| 141     | 74.2  | 53.8  | 80.8  |

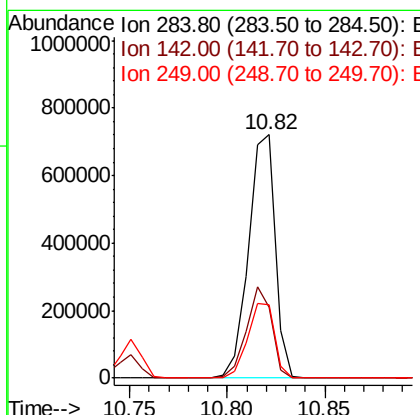
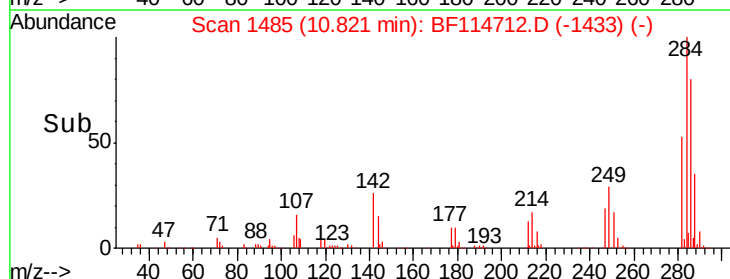
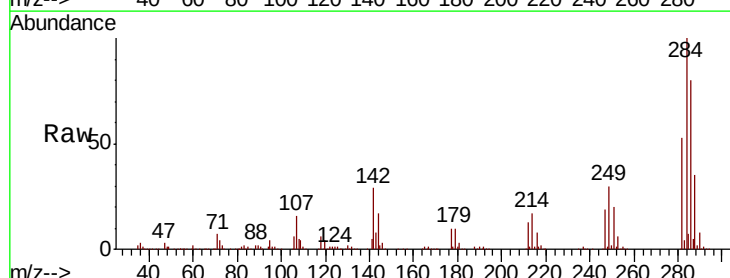
Manual Integrations  
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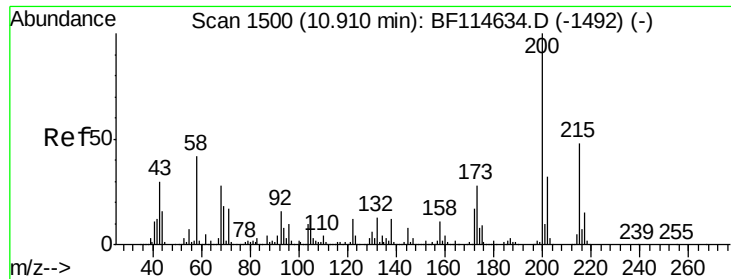
mohammad  
6/3/2019 8:49:33 AM



#68  
Hexachlorobenzene  
Concen: 41.467 ng  
RT: 10.82 min Scan# 1485  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 29.0  | 28.9  | 43.3  |
| 249     | 30.1  | 25.8  | 38.6  |





#69

Atrazine

Concen: 51.163 ng

RT: 10.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

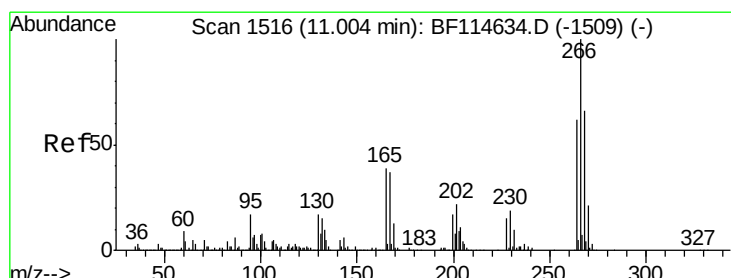
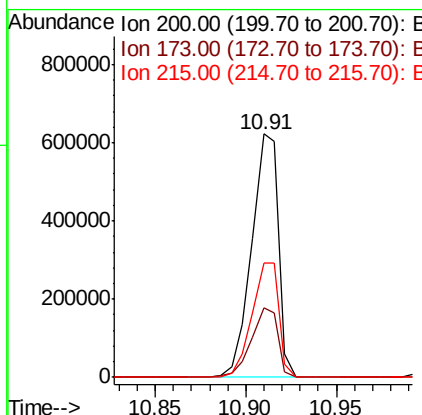
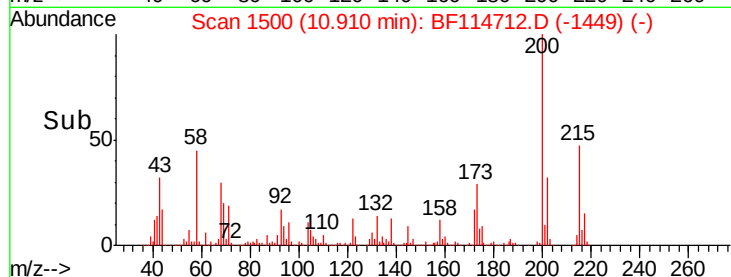
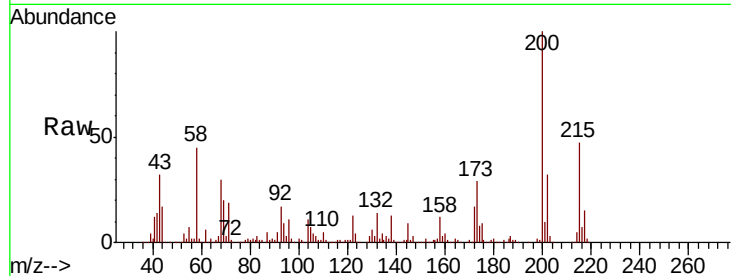
ClientSampleId :

FESB-27(3.5-4)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 640519 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 28.7  | 7.9   | 47.9   |
| 215       | 46.7  | 27.8  | 67.8   |

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#70

Pentachlorophenol

Concen: 71.111 ng

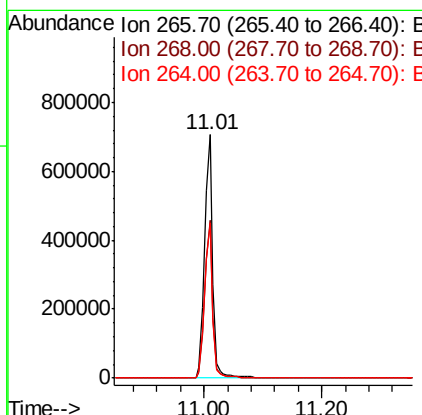
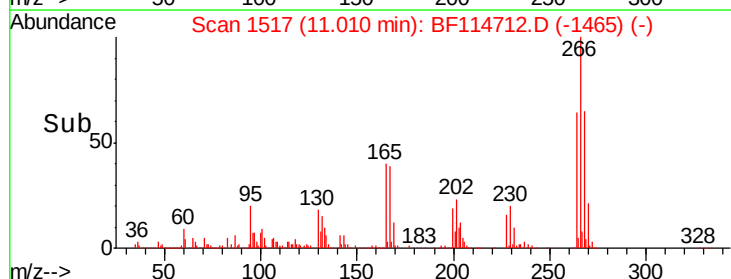
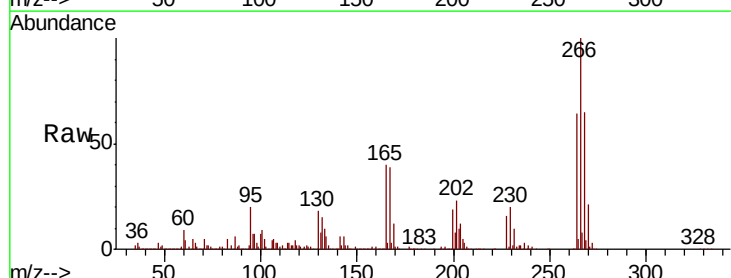
RT: 11.01 min Scan# 1517

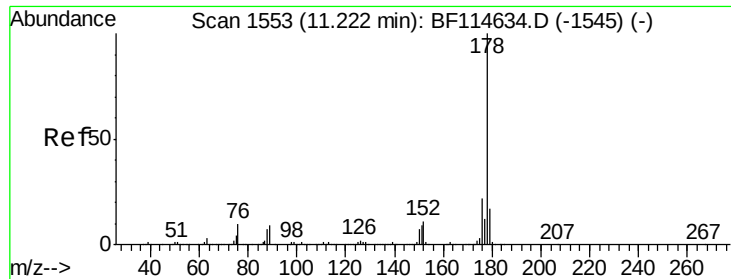
Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 674267 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 64.7  | 52.8  | 79.2   |
| 264       | 63.8  | 49.9  | 74.9   |





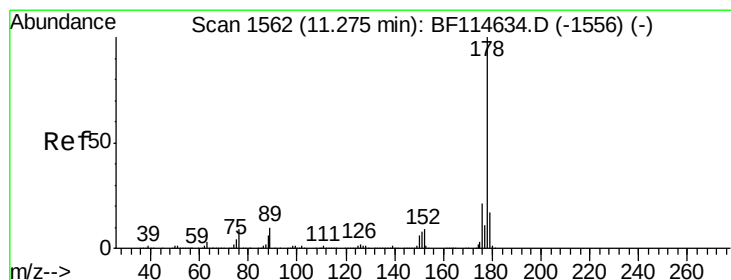
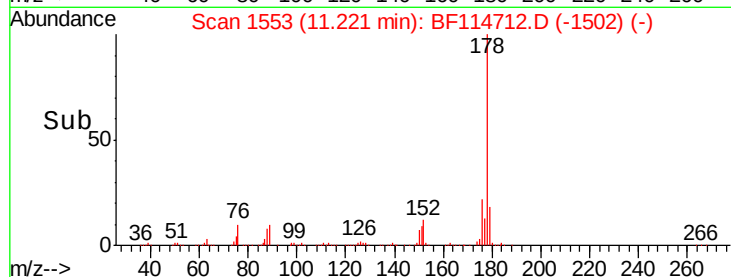
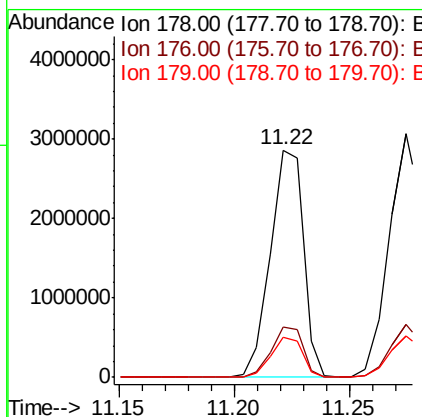
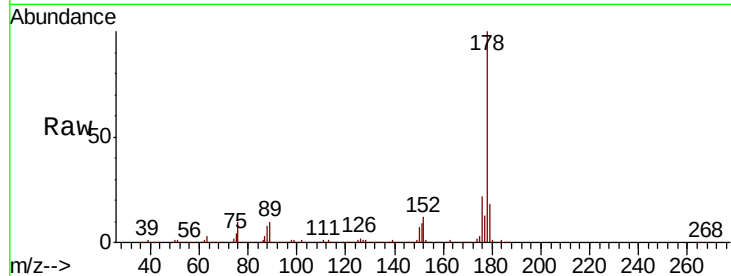
#71  
Phenanthrene  
Concen: 39.525 ng  
RT: 11.22 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.9  | 17.2  | 25.8  |
| 179     | 17.6  | 13.9  | 20.9  |

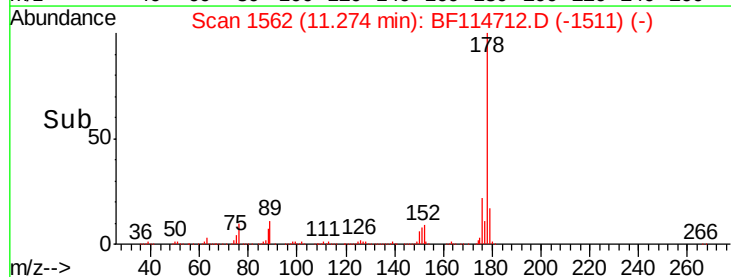
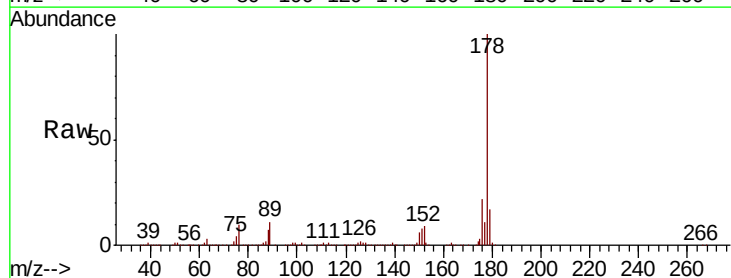
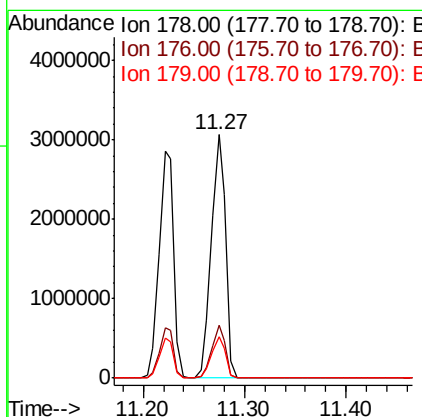
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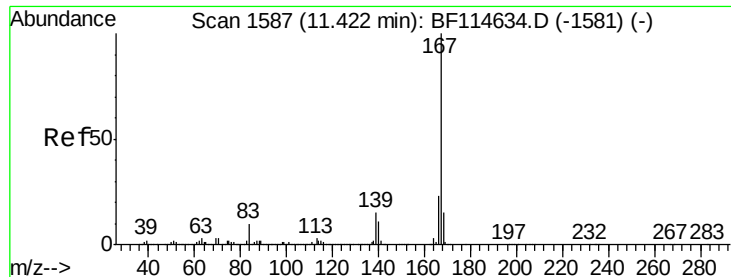


#72  
Anthracene  
Concen: 41.124 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.6  | 16.6  | 24.8  |
| 179     | 17.2  | 13.4  | 20.0  |







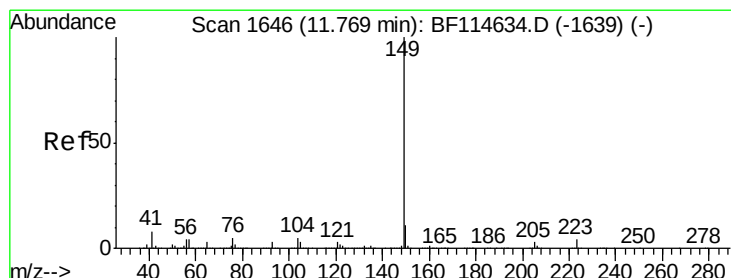
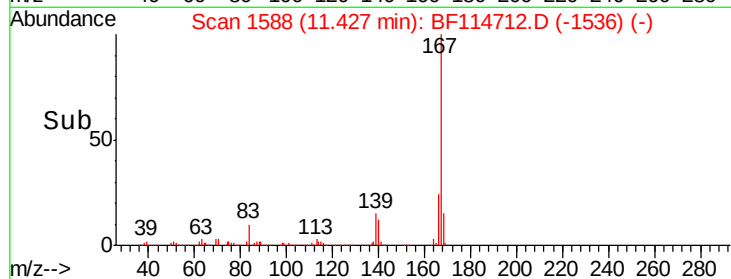
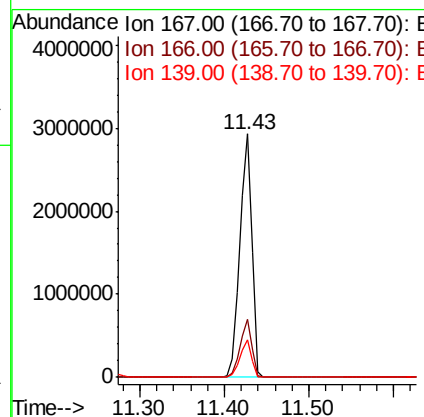
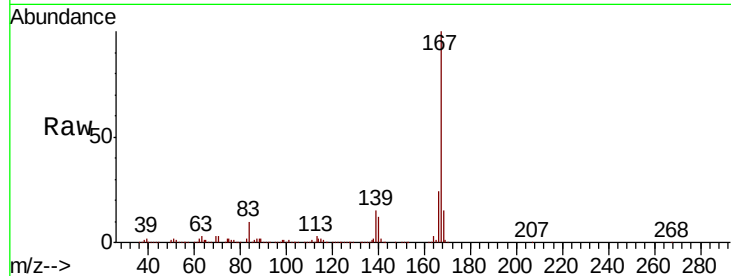
#73  
 Carbazole  
 Concen: 43.956 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. 0.01 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.8  | 18.7  | 28.1  |
| 139     | 15.2  | 11.8  | 17.8  |

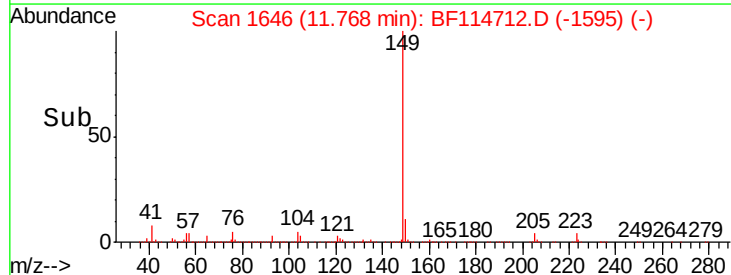
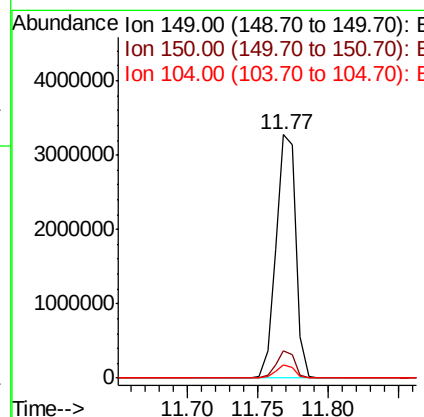
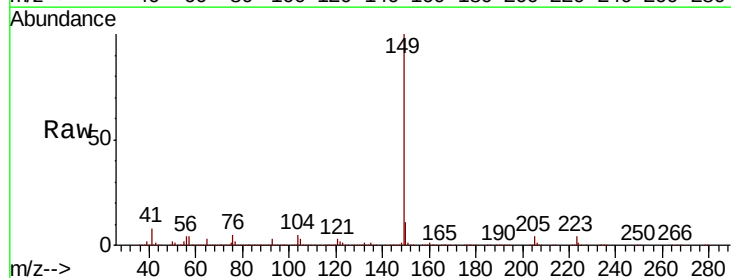
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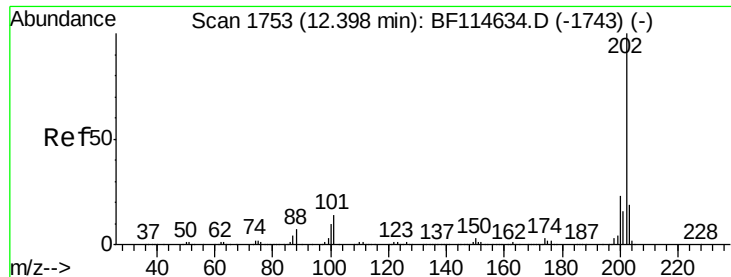
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#74  
 Di-n-butylphthalate  
 Concen: 40.490 ng  
 RT: 11.77 min Scan# 1646  
 Delta R.T. 0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 11.0  | 8.6   | 12.8  |
| 104     | 5.5   | 4.3   | 6.5   |





#75

Fluoranthene

Concen: 40.791 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

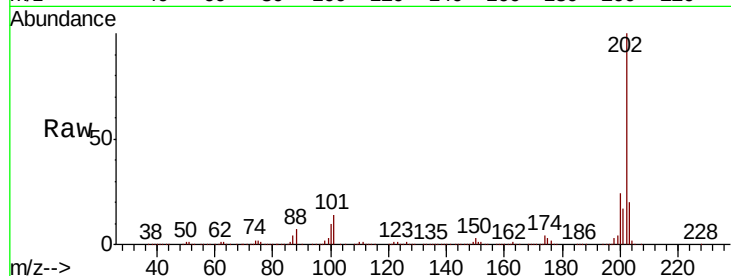
ClientSampleId :

FESB-27(3.5-4)MS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 3051328 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 13.8  | 0.0   | 33.9    |
| 203       | 19.8  | 0.0   | 39.1    |

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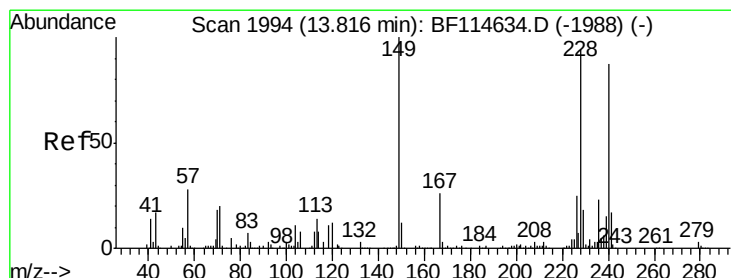
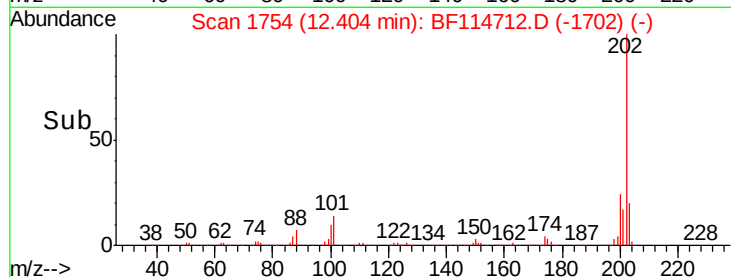
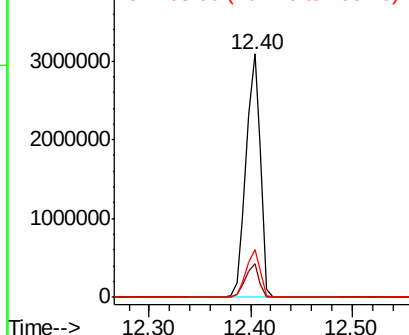


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

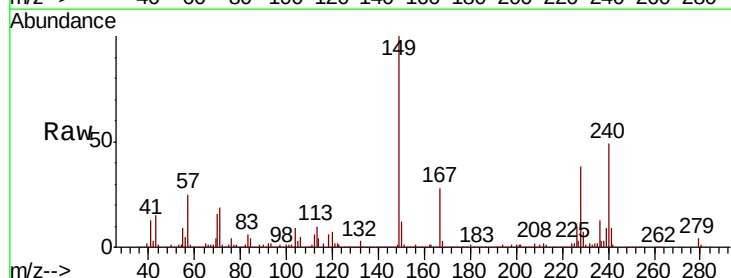
RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 870661 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.5  | 11.2  | 16.8   |
| 236       | 26.8  | 21.2  | 31.8   |

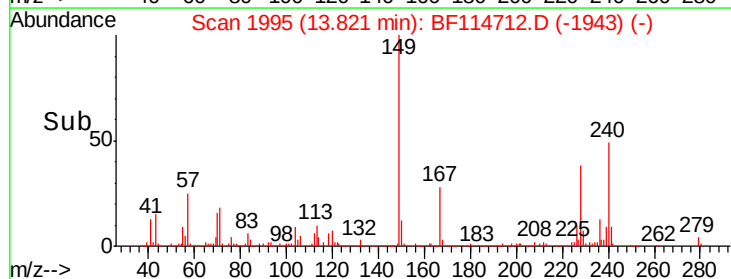
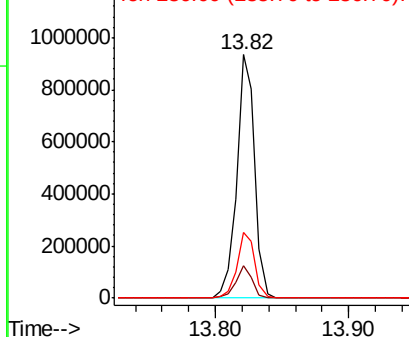


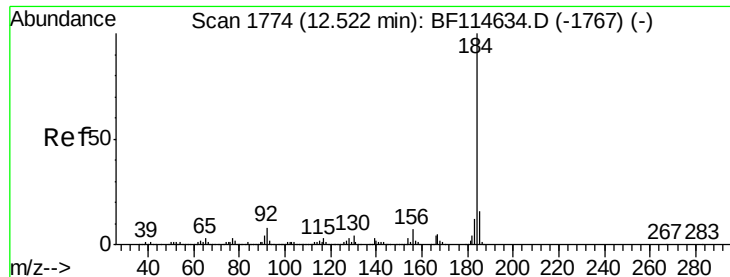
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 27.601 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

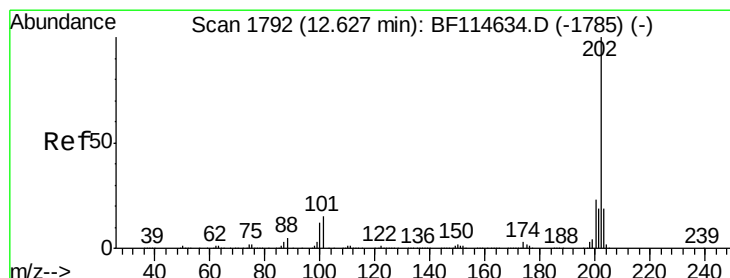
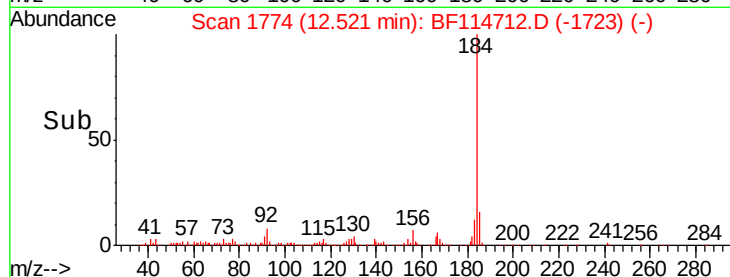
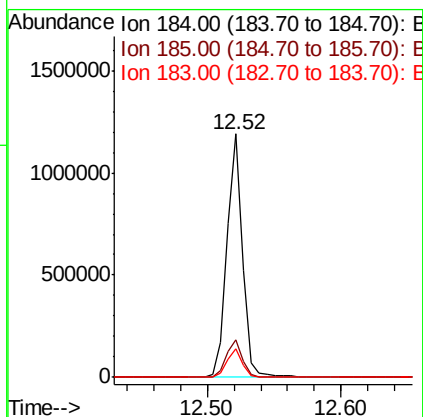
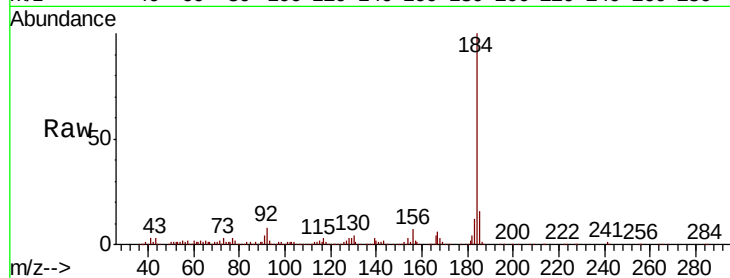
ClientSampleId :

FESB-27(3.5-4)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 989561 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.5  | 12.6  | 18.8   |
| 183       | 11.7  | 9.4   | 14.2   |

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#78

Pyrene

Concen: 41.678 ng

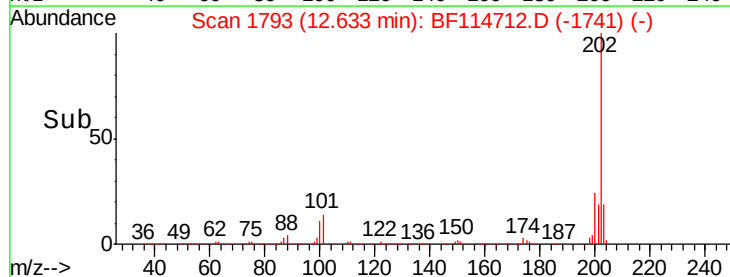
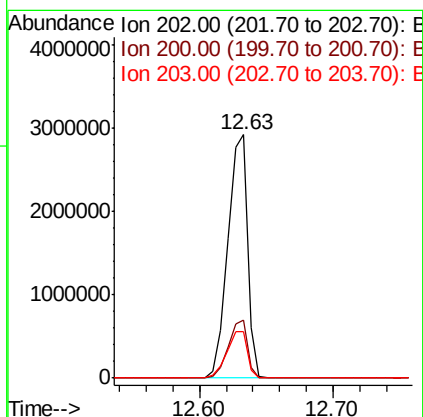
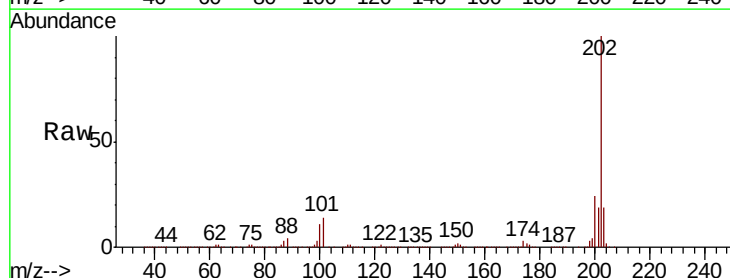
RT: 12.63 min Scan# 1793

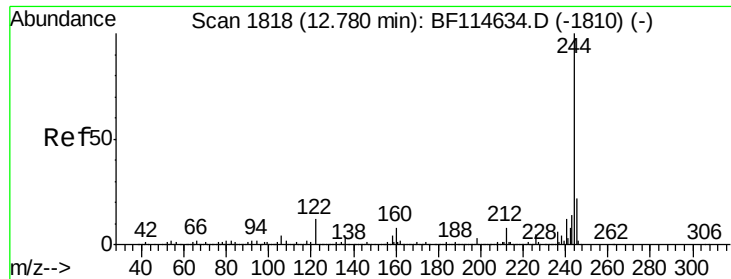
Delta R.T. 0.01 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 3069610 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 23.7  | 18.6  | 28.0    |
| 203       | 19.0  | 15.4  | 23.2    |





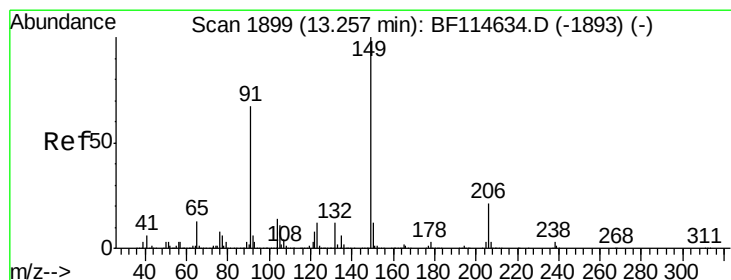
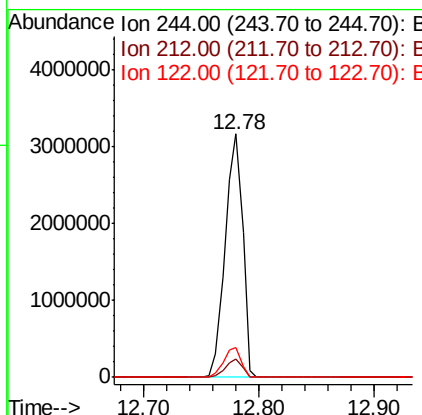
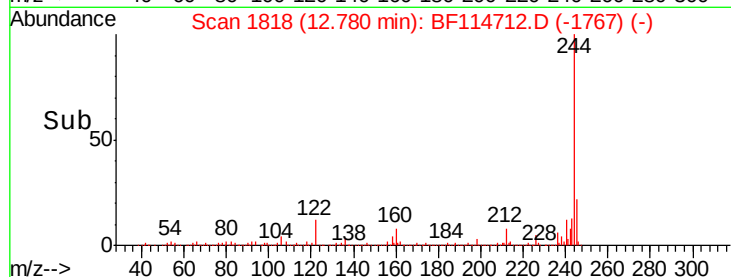
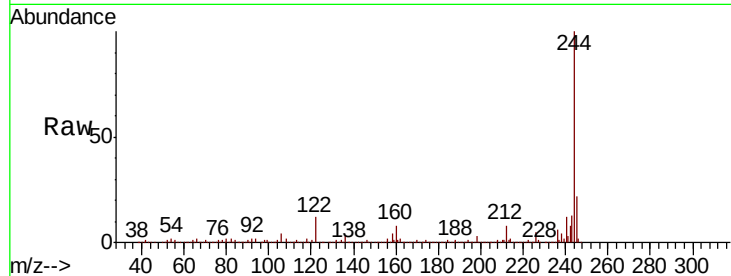
#79  
 Terphenyl-d14  
 Concen: 71.590 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FESB-27(3.5-4)MS

Tot Ion:244 Resp: 3315196  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.1 9.1  
 122 12.5 9.8 14.8

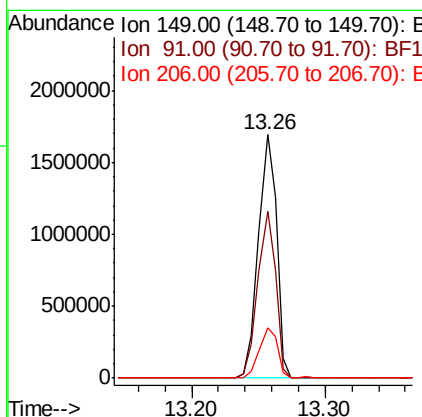
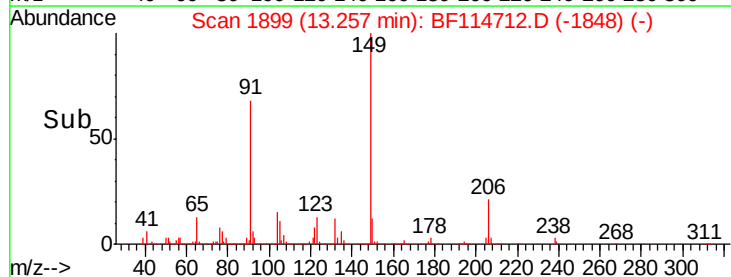
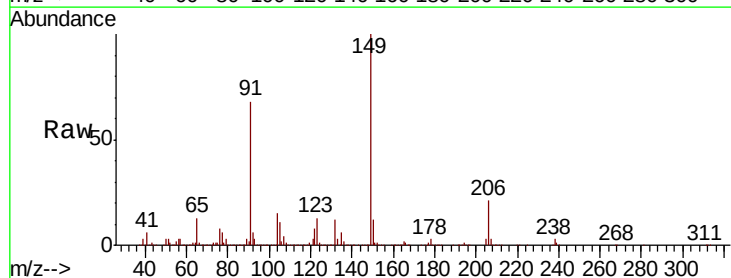
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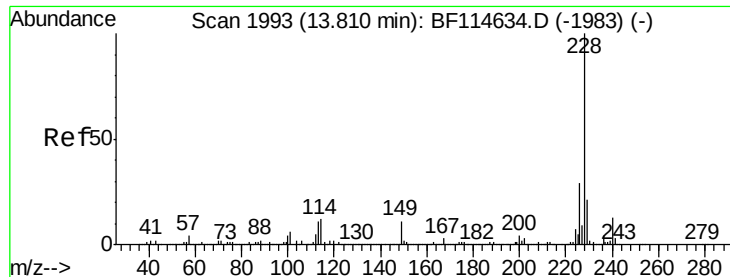
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#80  
 Butylbenzylphthalate  
 Concen: 42.534 ng  
 RT: 13.26 min Scan# 1899  
 Delta R.T. -0.00 min  
 Lab File: BF114712.D  
 Acq: 31 May 2019 16:58

Tgt Ion:149 Resp: 1574377  
 Ion Ratio Lower Upper  
 149 100  
 91 68.4 53.8 80.8  
 206 20.9 16.9 25.3





#81

Benzo(a)anthracene

Concen: 40.591 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

Instrument :

BNA\_F

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:228 Resp: 2715804

Ion Ratio Lower Upper

228 100

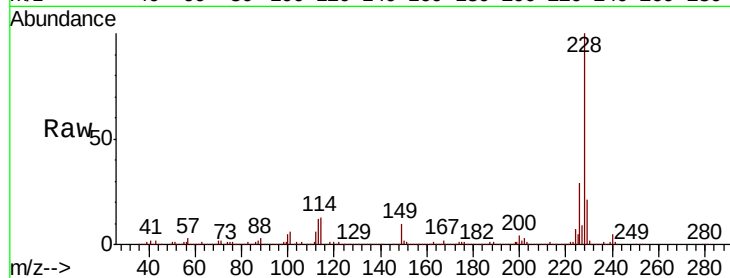
226 29.0 23.0 34.6

229 21.4 17.0 25.4

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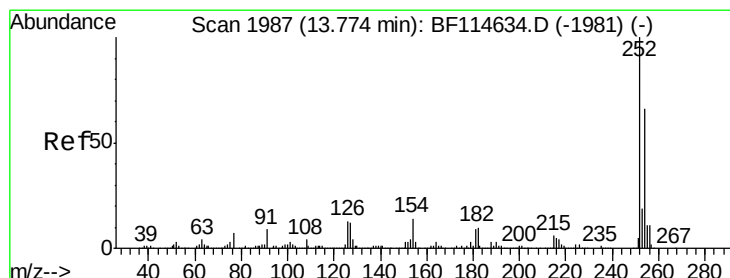
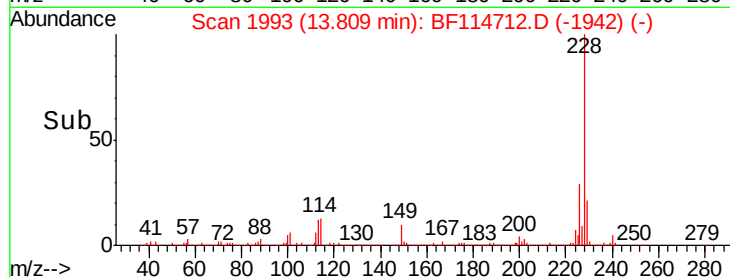
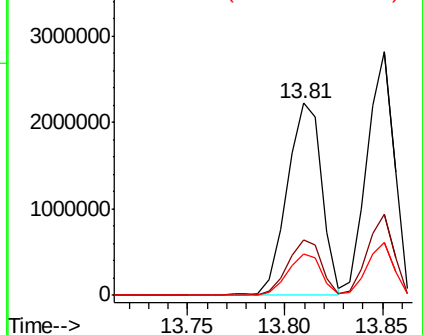
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.624 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF114712.D

Acq: 31 May 2019 16:58

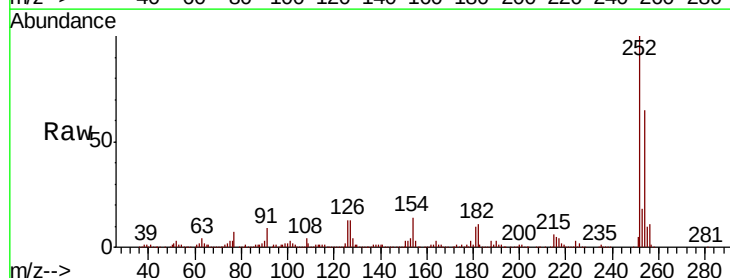
Tgt Ion:252 Resp: 765457

Ion Ratio Lower Upper

252 100

254 65.3 53.1 79.7

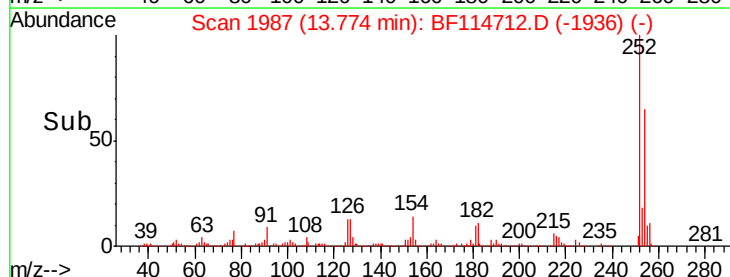
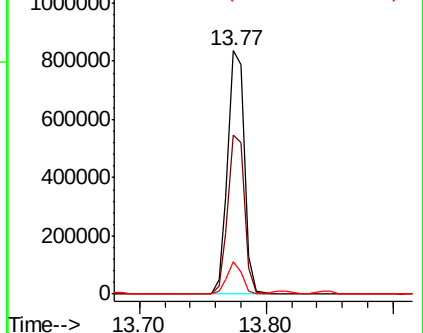
126 13.4 10.2 15.2

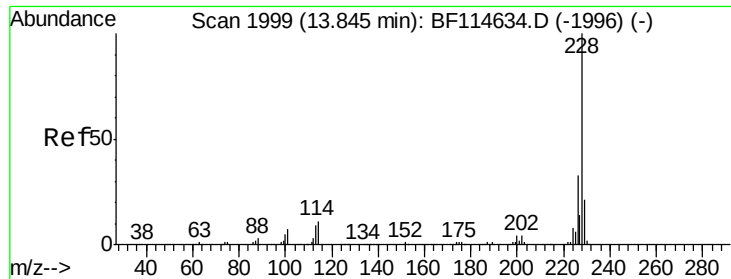


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





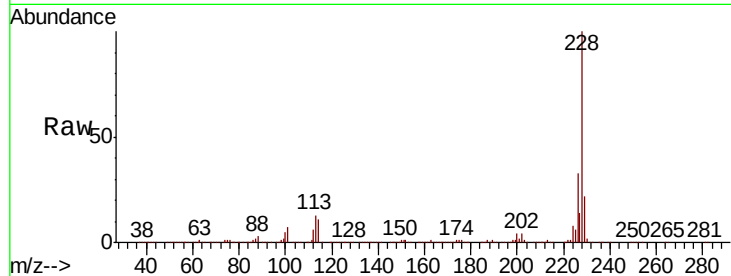
#83  
Chrysene  
Concen: 42.397 ng  
RT: 13.85 min Scan# 2000  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.4  | 26.4  | 39.6  |
| 229     | 21.8  | 17.1  | 25.7  |

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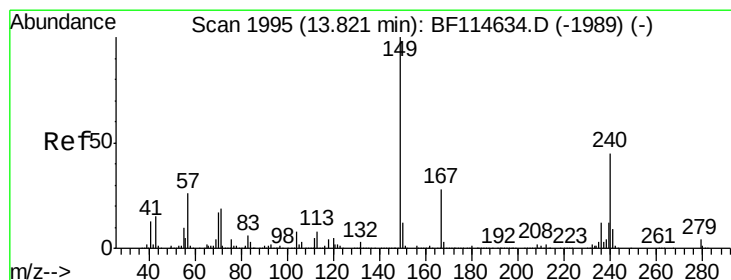
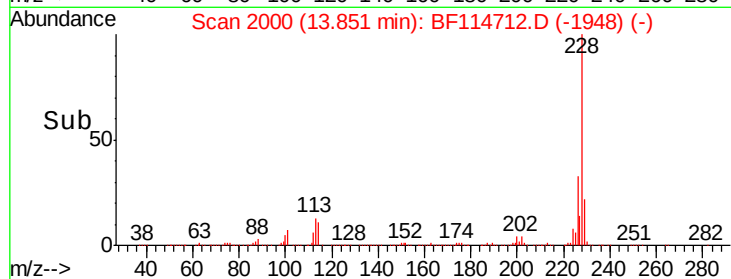
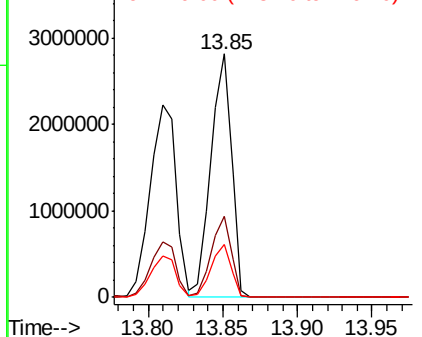


Abundance

Ion 228.00 (227.70 to 228.70): E

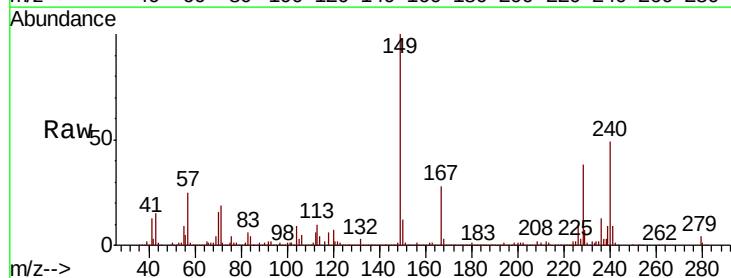
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 41.794 ng  
RT: 13.82 min Scan# 1995  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.0  | 22.6  | 33.8  |
| 279     | 3.8   | 3.0   | 4.4   |

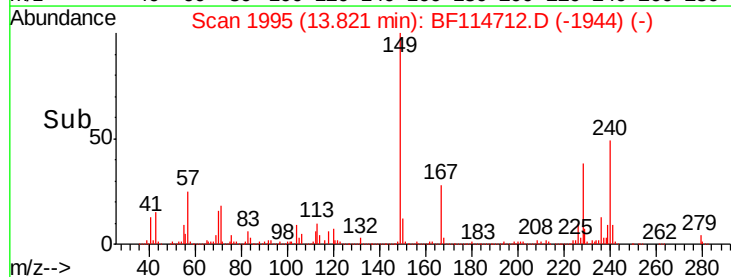
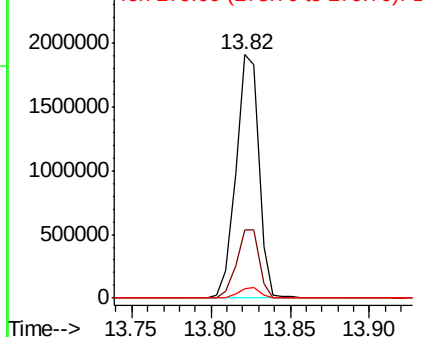


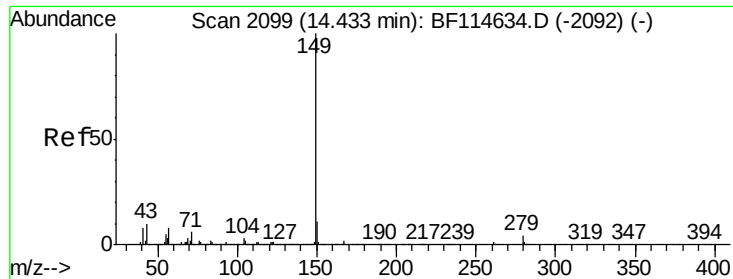
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





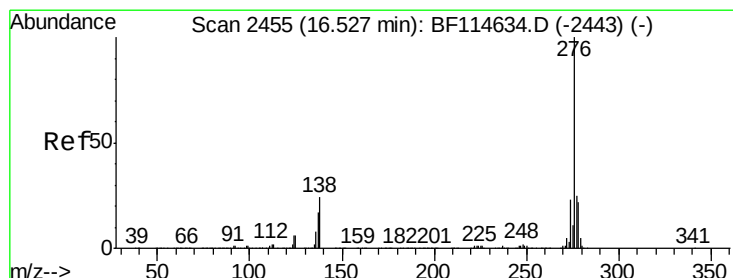
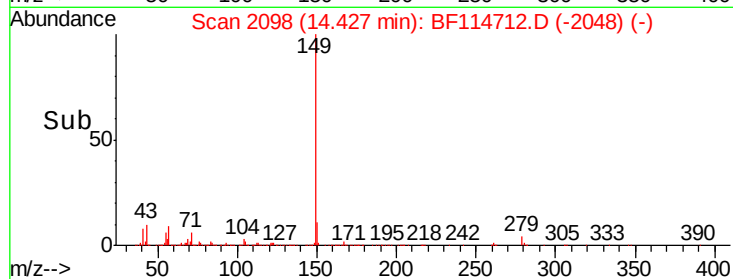
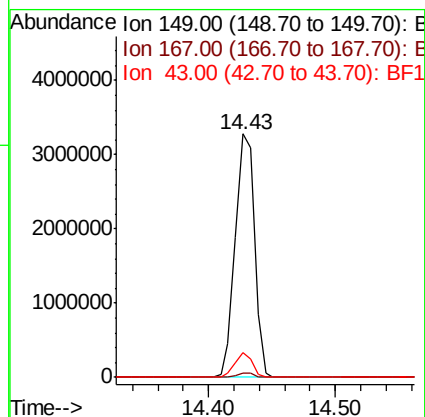
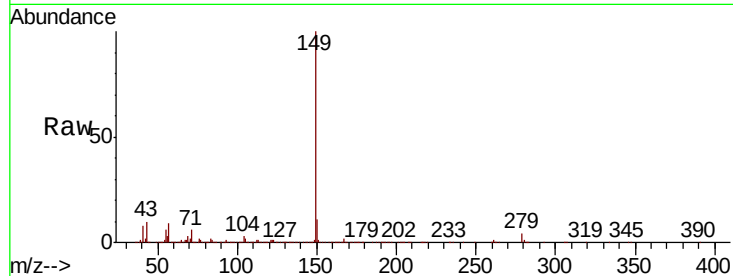
#85  
Di-n-octyl phthalate  
Concen: 43.011 ng  
RT: 14.43 min Scan# 2098  
Delta R.T. -0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 149     | 100 |       |       |       |
| 167     | 1.8 | 1.3   | 1.9   |       |
| 43      | 9.1 | 8.0   | 12.0  |       |

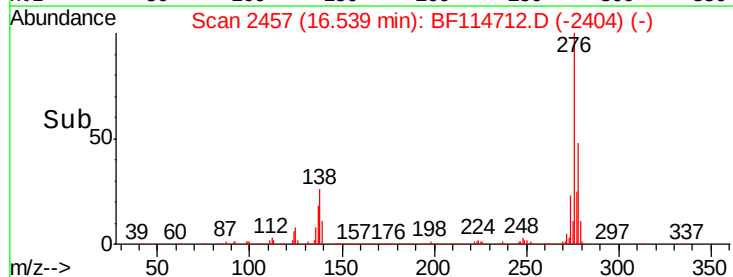
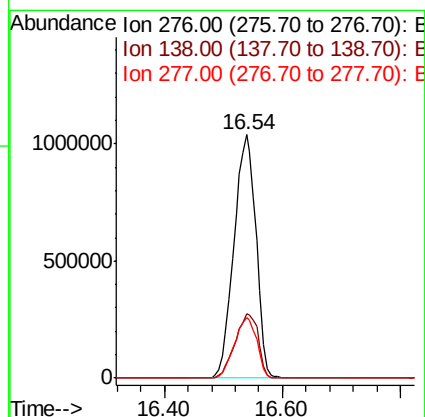
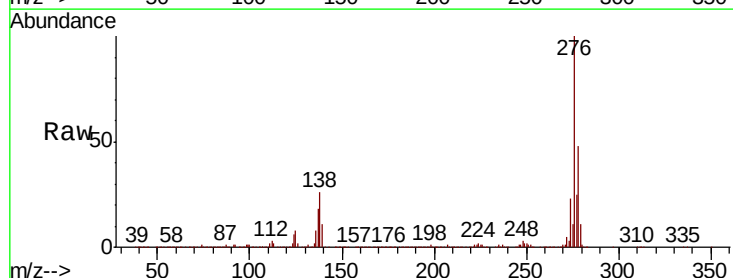
Manual Integrations  
APPROVED

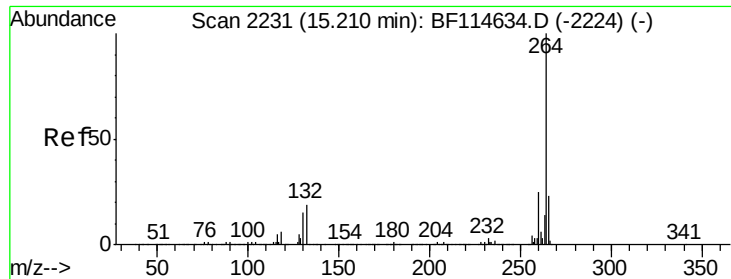
mohammad  
6/3/2019 8:49:33 AM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 42.475 ng  
RT: 16.54 min Scan# 2457  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 276     | 100  |       |       |       |
| 138     | 27.8 | 23.0  | 34.6  |       |
| 277     | 25.4 | 20.5  | 30.7  |       |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.21 min Scan# 2231  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

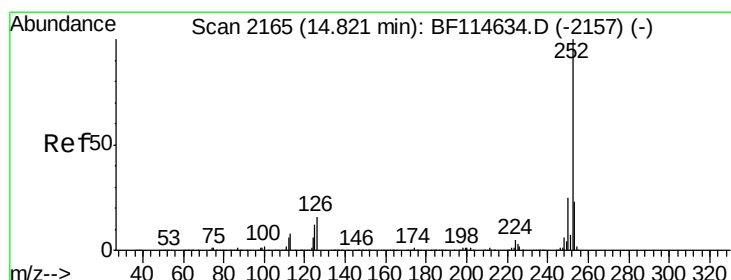
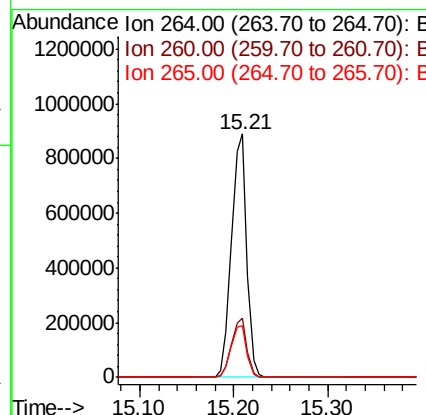
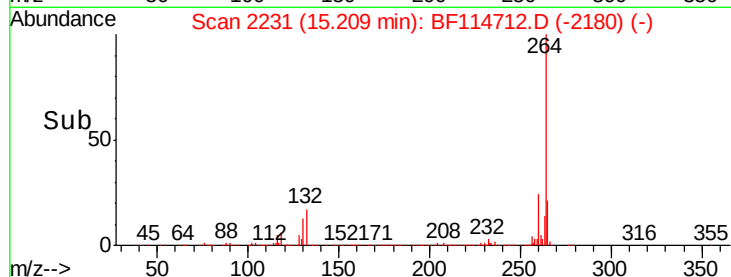
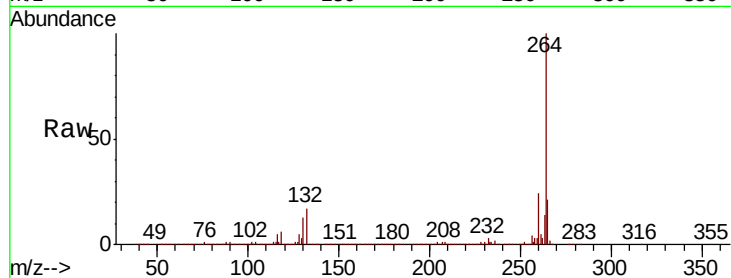
Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

Tot Ion:264 Resp: 1000074  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 19.7  | 29.5  |
| 265 | 21.3  | 18.1  | 27.1  |

Manual Integrations  
APPROVED

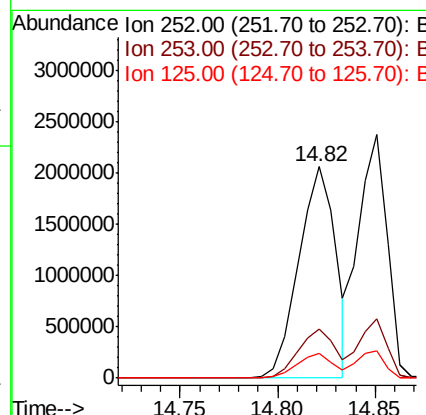
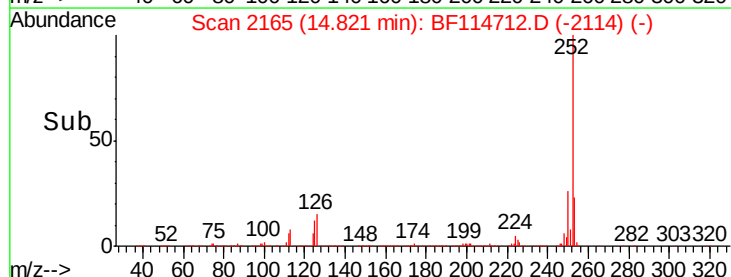
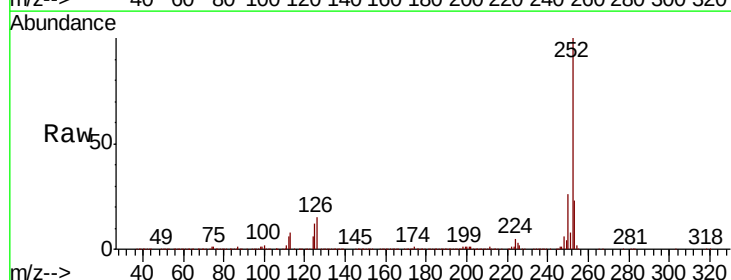
mohammad  
6/3/2019 8:49:33 AM



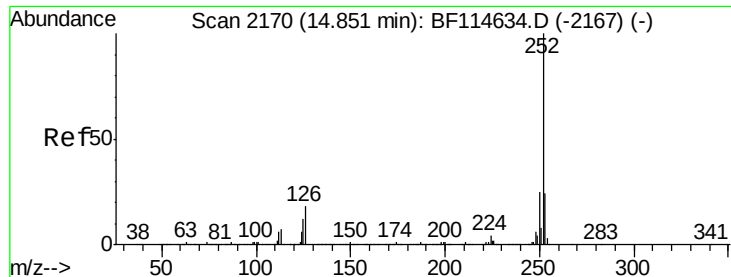
#88  
Benzo(b)fluoranthene  
Concen: 42.755 ng  
RT: 14.82 min Scan# 2165  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Tgt Ion:252 Resp: 2693074  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.1  | 18.7  | 28.1  |
| 125 | 11.6  | 9.4   | 14.2  |







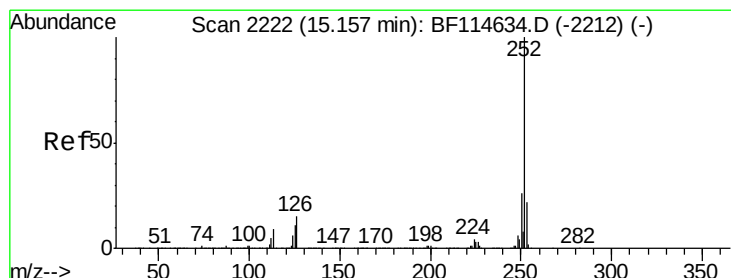
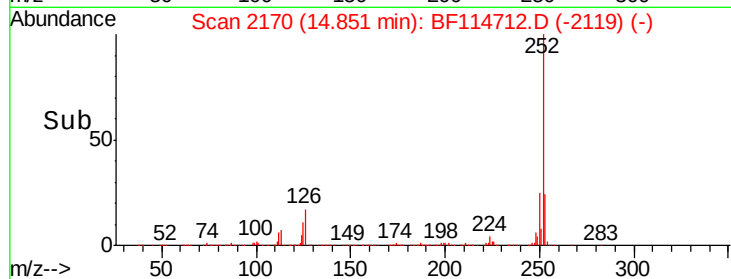
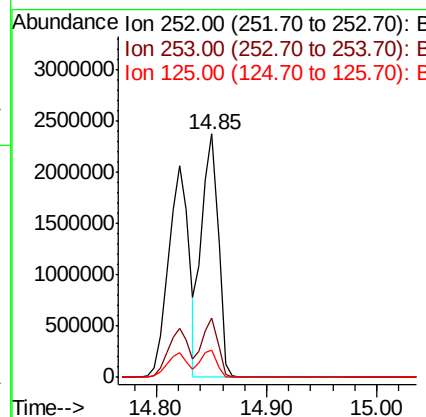
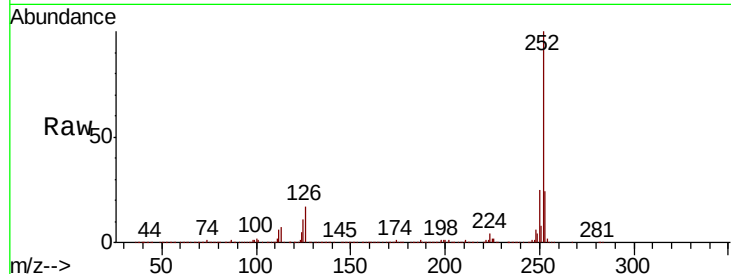
#89  
Benzo(k)fluoranthene  
Concen: 44.313 ng  
RT: 14.85 min Scan# 2170  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 18.9  | 28.3  |
| 125     | 11.4  | 9.5   | 14.3  |

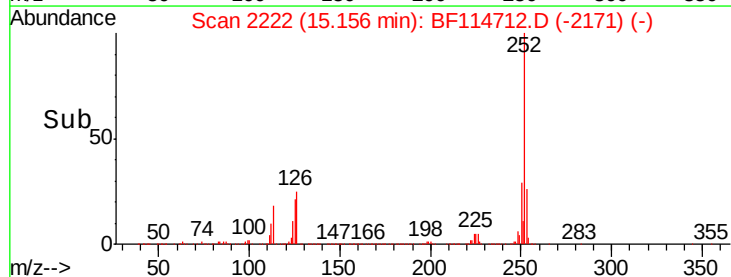
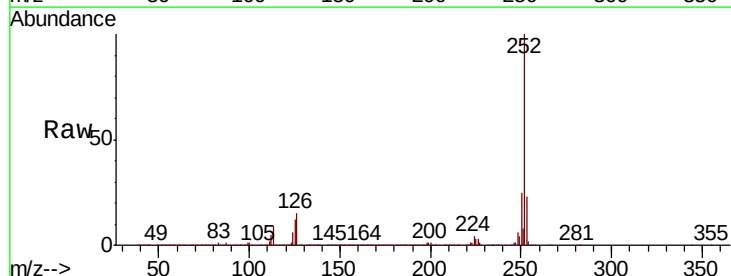
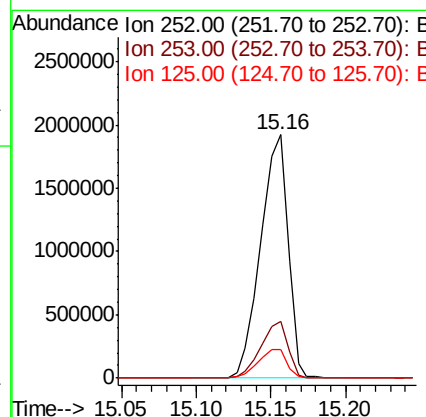
Manual Integrations  
APPROVED

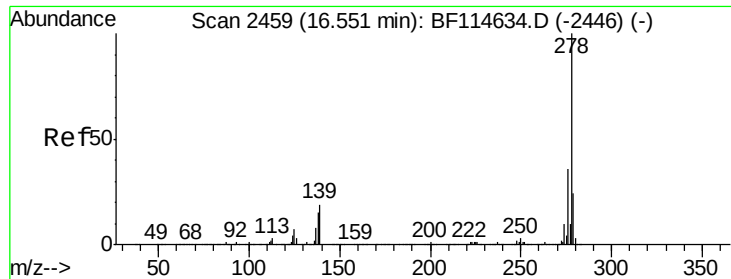
mohammad  
6/3/2019 8:49:33 AM



#90  
Benzo(a)pyrene  
Concen: 43.858 ng  
RT: 15.16 min Scan# 2222  
Delta R.T. -0.00 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.0  | 27.0  |
| 125     | 11.8  | 9.2   | 13.8  |





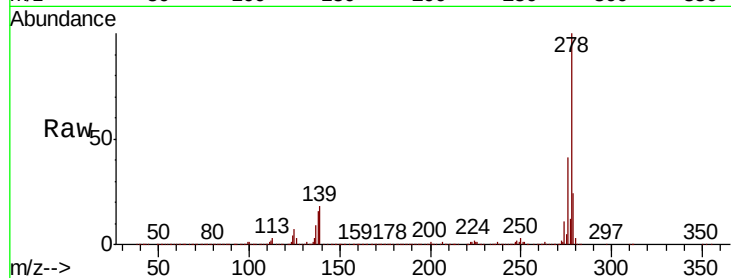
#91  
Dibenzo(a,h)anthracene  
Concen: 45.520 ng  
RT: 16.56 min Scan# 2460  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
FESB-27(3.5-4)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.3  | 14.9  | 22.3  |
| 279     | 24.2  | 19.5  | 29.3  |

Manual Integrations  
APPROVED

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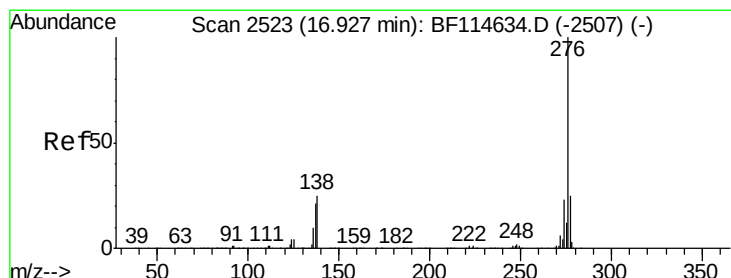
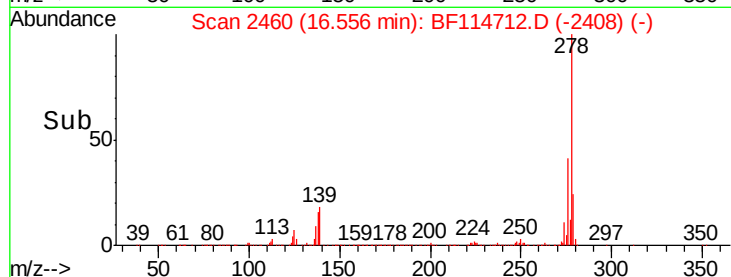
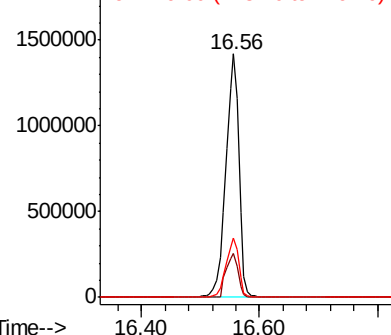


Abundance

Ion 278.00 (277.70 to 278.70): E

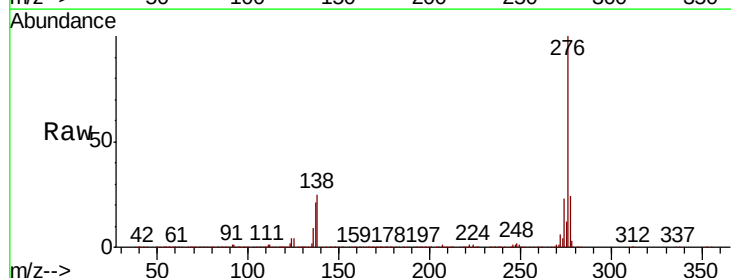
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 48.661 ng  
RT: 16.94 min Scan# 2525  
Delta R.T. 0.01 min  
Lab File: BF114712.D  
Acq: 31 May 2019 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 19.7  | 29.5  |
| 138     | 25.0  | 19.8  | 29.8  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

