

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011020\  
 Data File : BF118519.D  
 Acq On : 10 Jan 2020 17:20  
 Operator : JU  
 Sample : L1060-06MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

Manual Integrations  
 APPROVED

mohammad  
 1/13/2020 2:21:41 PM

Quant Time: Jan 11 03:18:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 08 16:06:11 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 86309    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 343716   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 181688   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 304824   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.03 | 240  | 231240   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.52 | 264  | 167011   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.46  | 112 | 532377  | 101.82 | ng | 0.01 |
| 7) Phenol-d6             | 6.47  | 99  | 672248  | 107.54 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 540876  | 82.66  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 245406  | 114.47 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 1003581 | 79.22  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.96 | 244 | 1367915 | 93.74  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 65750  | 37.720 | ng | 99     |
| 3) Pyridine                    | 3.40 | 79  | 162026 | 34.532 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.33 | 42  | 96935  | 41.227 | ng | 98     |
| 6) Aniline                     | 6.50 | 93  | 86084  | 11.076 | ng | # 74   |
| 8) 2-Chlorophenol              | 6.62 | 128 | 236034 | 41.290 | ng | 99     |
| 9) Benzaldehyde                | 6.38 | 77  | 123086 | 35.370 | ng | 98     |
| 10) Phenol                     | 6.49 | 94  | 228911 | 33.048 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93  | 203621 | 41.233 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 249465 | 37.330 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 274086 | 40.197 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.00 | 146 | 247500 | 37.562 | ng | 98     |
| 15) Benzyl Alcohol             | 6.98 | 79  | 214395 | 42.282 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45  | 223324 | 40.767 | ng | 69     |
| 17) 2-Methylphenol             | 7.09 | 107 | 201897 | 42.975 | ng | 97     |
| 18) Hexachloroethane           | 7.34 | 117 | 94761  | 36.678 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 171857 | 42.686 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 260719 | 40.911 | ng | # 79   |
| 22) Acetophenone               | 7.25 | 105 | 363988 | 41.777 | ng | 95     |
| 24) Nitrobenzene               | 7.42 | 77  | 265699 | 40.839 | ng | 96     |
| 25) Isophorone                 | 7.66 | 82  | 448599 | 42.797 | ng | 99     |
| 26) 2-Nitrophenol              | 7.73 | 139 | 138056 | 42.977 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 215158 | 49.806 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93  | 288423 | 41.853 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162 | 204829 | 40.609 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 233744 | 39.899 | ng | 99     |
| 31) Naphthalene                | 8.14 | 128 | 811369 | 45.128 | ng | 99     |
| 32) Benzoic acid               | 7.92 | 122 | 10920m | 9.657  | ng |        |
| 33) 4-Chloroaniline            | 8.20 | 127 | 37742  | 5.099  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 142410 | 39.602 | ng | 99     |
| 35) Caprolactam                | 8.57 | 113 | 47738m | 31.419 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 206191 | 38.024 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 468432 | 37.962 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.93 | 142 | 442299 | 38.177 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 204467 | 36.627 | ng | 99     |

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Manual Integrations  
 APPROVED

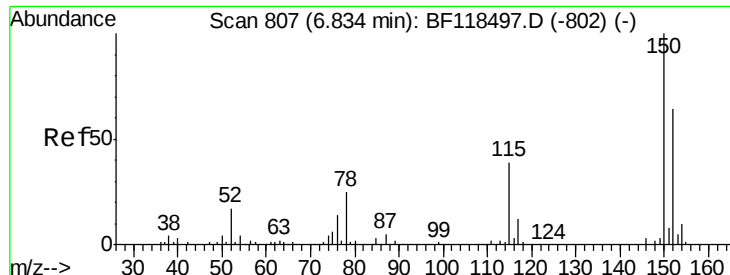
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Quant Time: Jan 11 03:18:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 08 16:06:11 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.98  | 237  | 106250   | 71.438 | nq    | 93       |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 134192   | 38.901 | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.17  | 196  | 143272   | 40.135 | nq    | 99       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 616416   | 41.523 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 481939   | 41.017 | nq    | 98       |
| 48) 2-Nitroaniline             | 9.43  | 65   | 147314   | 43.387 | nq    | 96       |
| 49) Acenaphthylene             | 9.75  | 152  | 824478   | 47.140 | nq    | 99       |
| 50) Dimethylphthalate          | 9.60  | 163  | 613465   | 43.993 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.67  | 165  | 139597   | 46.486 | nq #  | 83       |
| 52) Acenaphthene               | 9.92  | 154  | 487776   | 45.670 | nq    | 100      |
| 53) 3-Nitroaniline             | 9.85  | 138  | 41109    | 11.686 | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 9.97  | 184  | 27770    | 24.776 | nq    | 93       |
| 55) Dibenzofuran               | 10.09 | 168  | 662328   | 41.288 | nq    | 99       |
| 56) 4-Nitrophenol              | 10.02 | 139  | 145010   | 84.901 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.08 | 165  | 175874   | 43.740 | nq    | 97       |
| 58) Fluorene                   | 10.43 | 166  | 588760   | 45.661 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 120728   | 39.992 | nq    | 98       |
| 60) Diethylphthalate           | 10.30 | 149  | 590434   | 41.593 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 280204   | 43.492 | nq    | 94       |
| 62) 4-Nitroaniline             | 10.47 | 138  | 121871   | 35.383 | nq    | 97       |
| 63) Azobenzene                 | 10.58 | 77   | 446378   | 37.003 | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 45401    | 28.175 | nq    | 86       |
| 66) n-Nitrosodiphenylamine     | 10.55 | 169  | 407551   | 41.056 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.92 | 248  | 148888   | 41.701 | nq    | 93       |
| 68) Hexachlorobenzene          | 10.99 | 284  | 172499   | 40.458 | nq    | 94       |
| 69) Atrazine                   | 11.07 | 200  | 150268   | 50.944 | nq    | 99       |
| 70) Pentachlorophenol          | 11.19 | 266  | 122718   | 87.475 | nq    | 99       |
| 71) Phenanthrene               | 11.40 | 178  | 781934   | 45.792 | nq    | 99       |
| 72) Anthracene                 | 11.45 | 178  | 832561   | 49.009 | nq    | 99       |
| 73) Carbazole                  | 11.61 | 167  | 768365   | 52.214 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.93 | 149  | 955485   | 48.669 | nq    | 99       |
| 75) Fluoranthene               | 12.60 | 202  | 793760   | 45.734 | nq    | 96       |
| 77) Benzidine                  | 12.72 | 184  | 234402   | 42.955 | nq    | 97       |
| 78) Pyrene                     | 12.83 | 202  | 827013   | 43.469 | nq    | 100      |
| 80) Butylbenzylphthalate       | 13.43 | 149  | 378070   | 43.391 | nq    | 99       |
| 81) Benzo(a)anthracene         | 14.02 | 228  | 725145   | 44.802 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 57162    | 10.860 | nq    | 96       |
| 83) Chrysene                   | 14.06 | 228  | 669123   | 42.543 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 525294   | 44.402 | nq    | 100      |
| 85) Di-n-octyl phthalate       | 14.61 | 149  | 893749   | 52.670 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.03 | 276  | 647125   | 51.105 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 15.09 | 252  | 579492   | 47.992 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 567781   | 49.263 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.46 | 252  | 424401   | 42.890 | nq    | 97       |
| 91) Dibenzo(a,h)anthracene     | 17.03 | 278  | 554146   | 59.724 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.48 | 276  | 432508   | 49.197 | nq    | 97       |

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





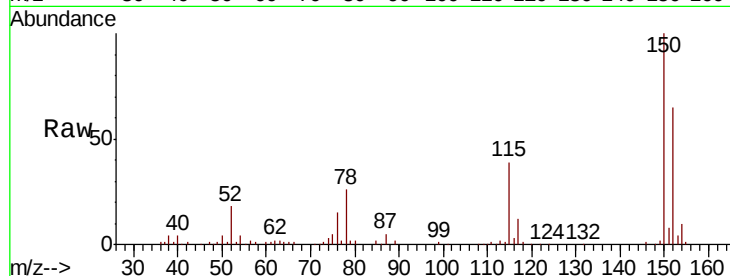
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.5 | 124.7 | 187.1 |
| 115     | 59.5  | 49.0  | 73.6  |

Manual Integrations  
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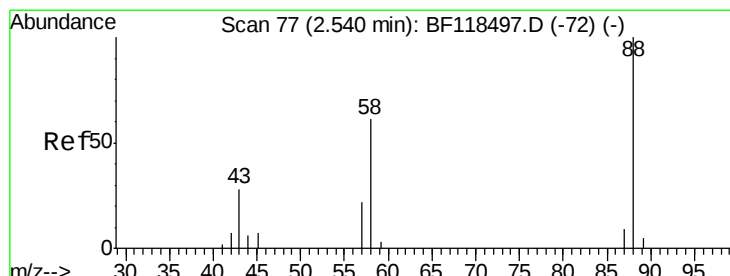
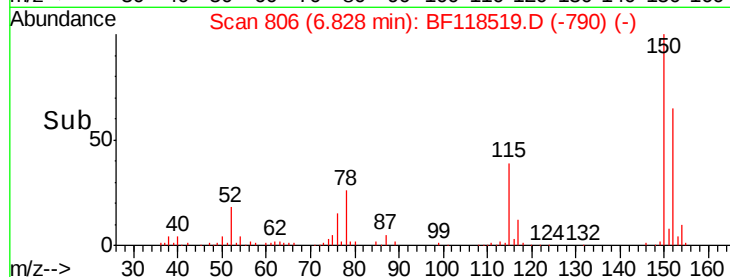
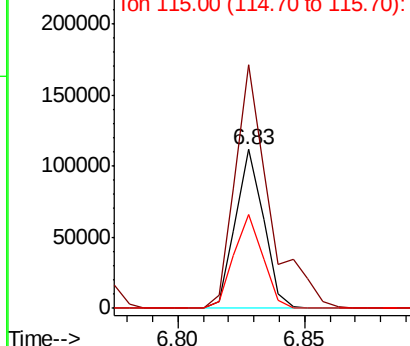


Abundance

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: 37.720 ng  
 RT: 2.63 min Scan# 93  
 Delta R.T. 0.09 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

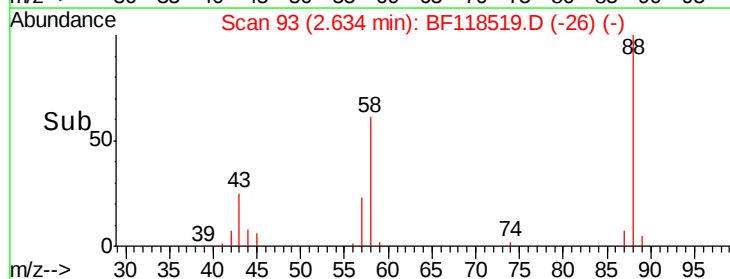
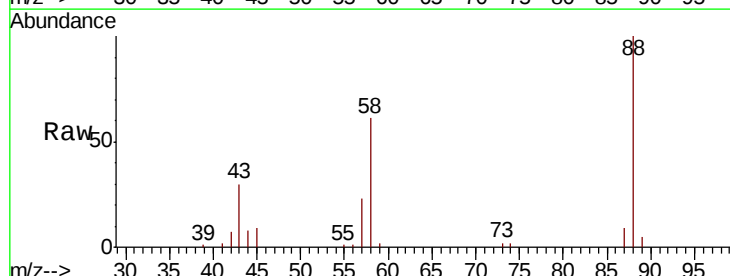
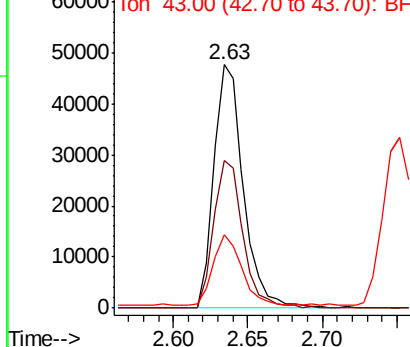
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 60.2  | 48.3  | 72.5  |
| 43      | 28.1  | 23.4  | 35.0  |

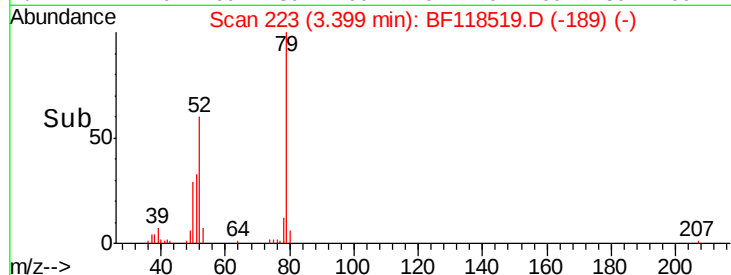
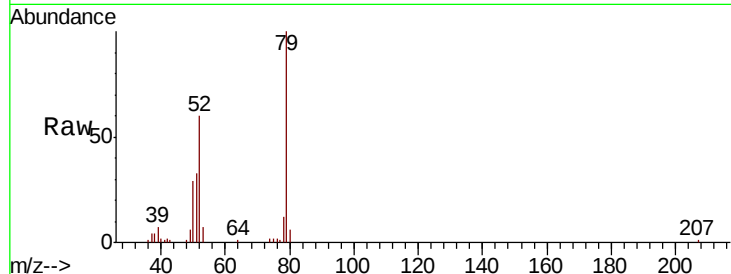
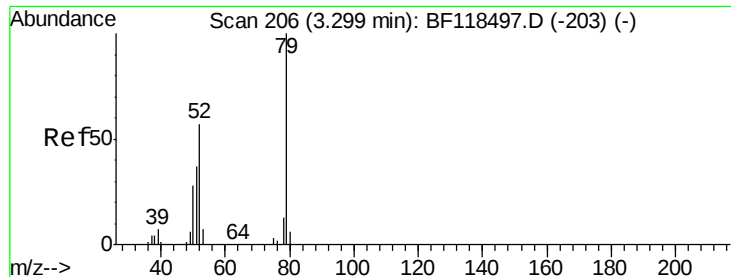
Abundance

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





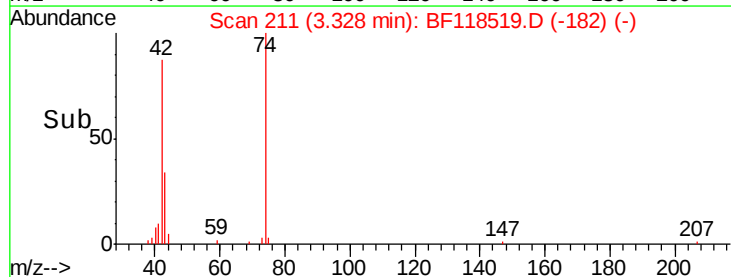
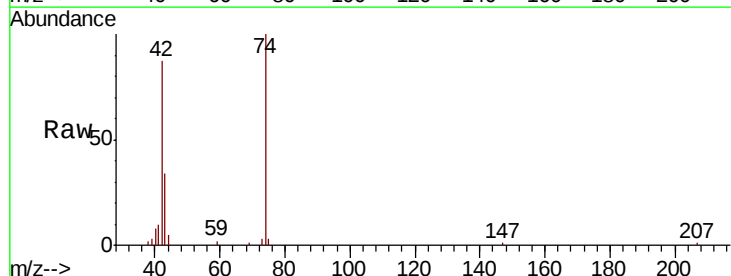
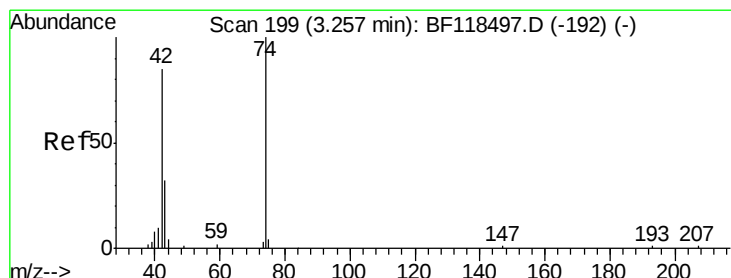
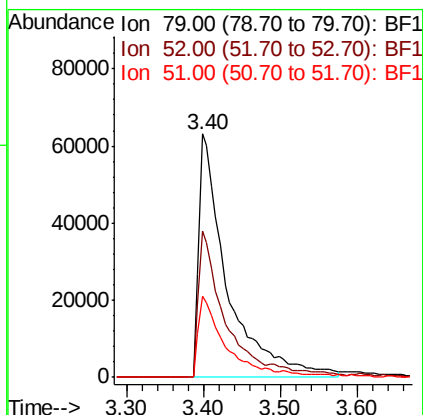
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Pvridine  
Concen: 34.532 ng  
RT: 3.40 min Scan# 223  
Delta R.T. 0.10 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 60.0  | 45.9  | 68.9  |
| 51      | 33.2  | 29.8  | 44.6  |

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

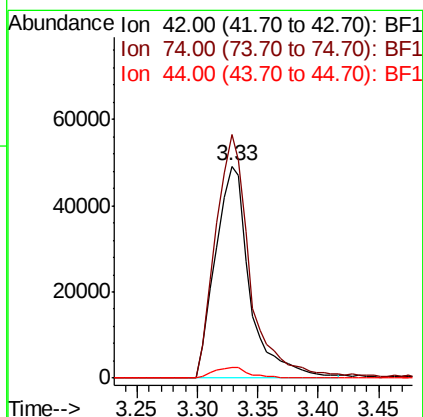
Manual Integrations  
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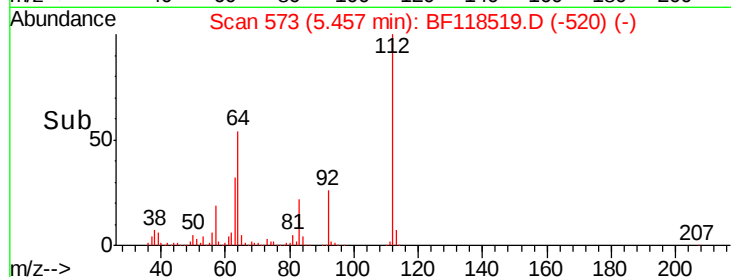
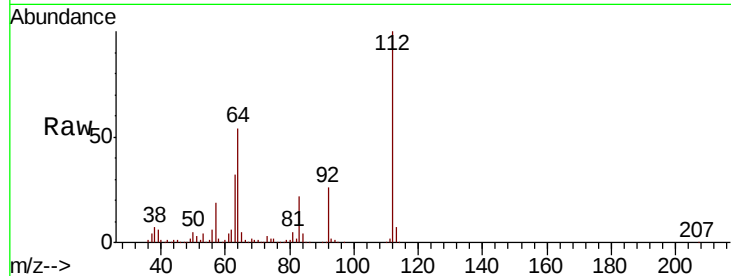
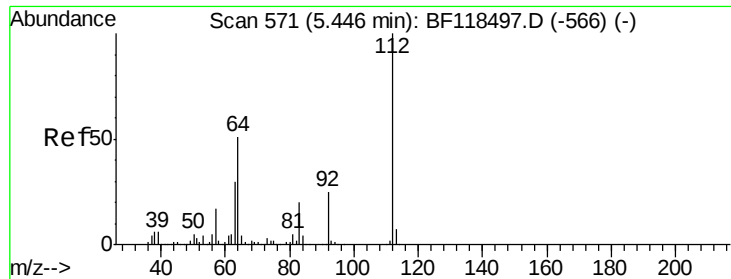
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#4  
n-Nitrosodimethylamine  
Concen: 41.227 ng  
RT: 3.33 min Scan# 211  
Delta R.T. 0.07 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 114.8 | 94.1  | 141.1 |
| 44      | 5.3   | 4.1   | 6.1   |





#5

2-Fluorophenol

Concen: 101.823 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

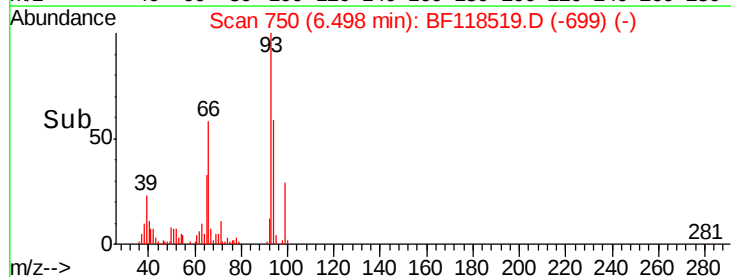
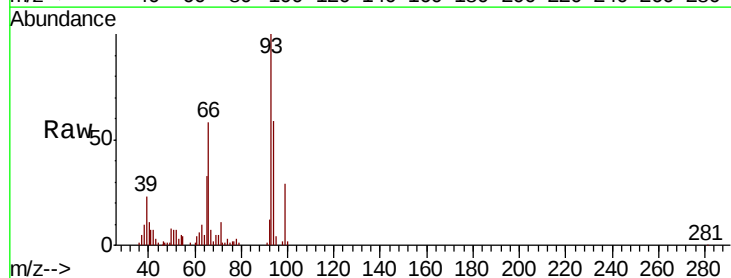
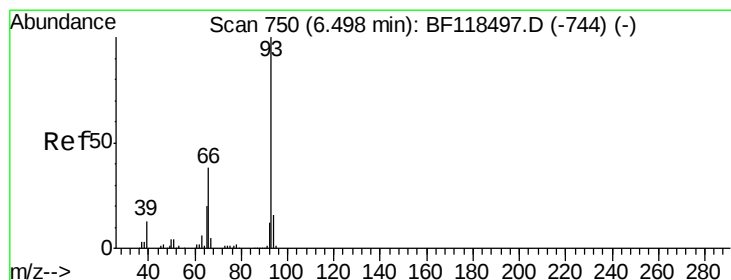
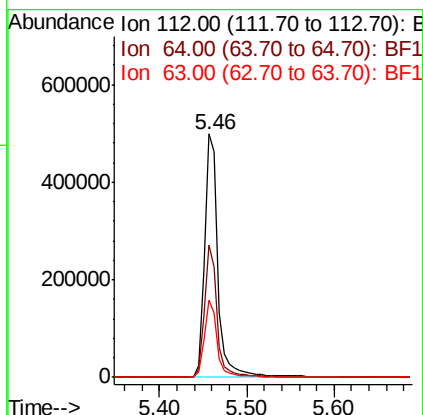
ClientSampled :

TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 532377 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 54.2  | 41.1  | 61.7   |
| 63        | 31.7  | 24.1  | 36.1   |

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#6

Aniline

Concen: 11.076 ng

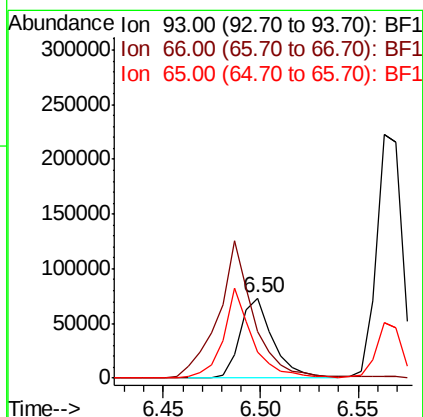
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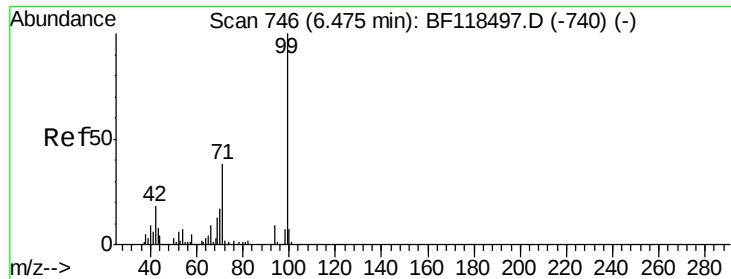
Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 86084 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 58.0  | 33.4  | 50.0# |
| 65        | 33.3  | 16.7  | 25.1# |





#7

Phenol-d6

Concen: 107.543 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

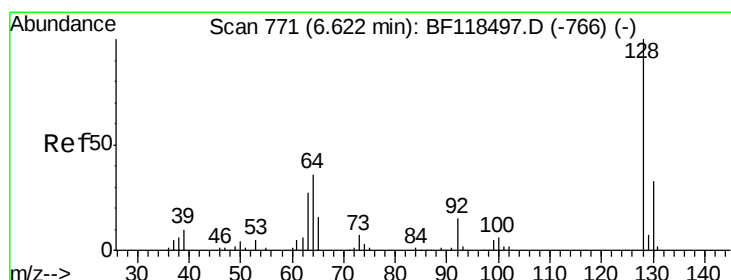
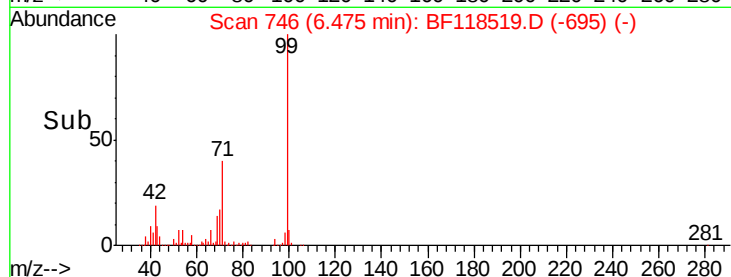
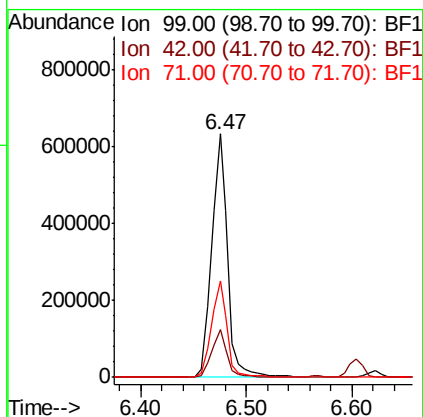
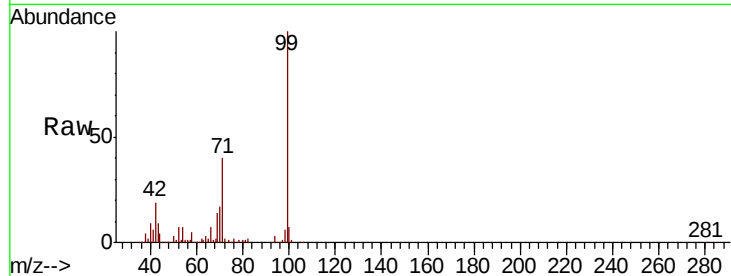
ClientSampleId :

TP-1MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 672248 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 19.4  | 14.5  | 21.7   |
| 71       | 39.8  | 30.6  | 45.8   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 41.290 ng

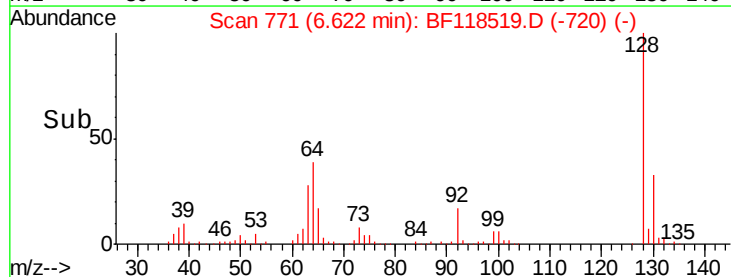
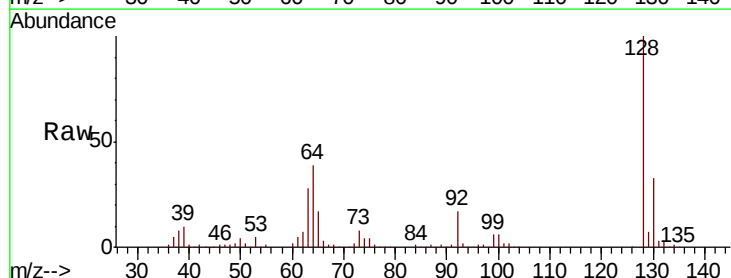
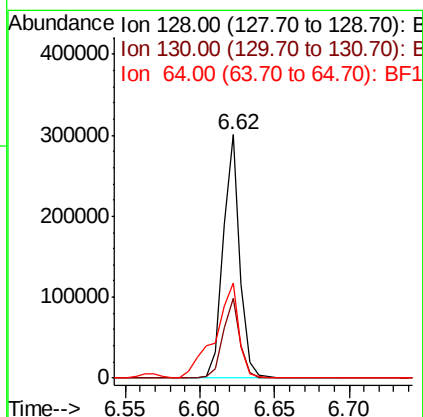
RT: 6.62 min Scan# 771

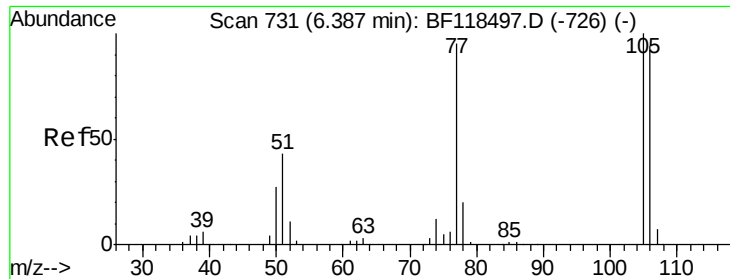
Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 236034 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 32.6  | 12.7  | 52.7   |
| 64       | 39.1  | 17.8  | 57.8   |





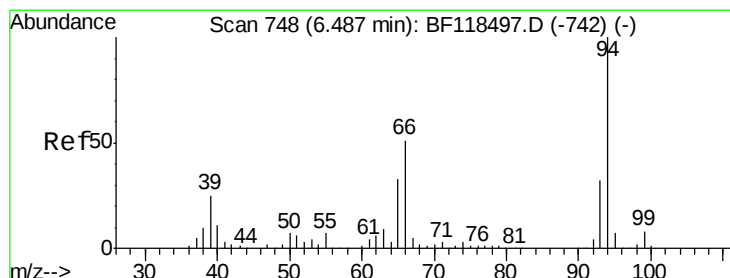
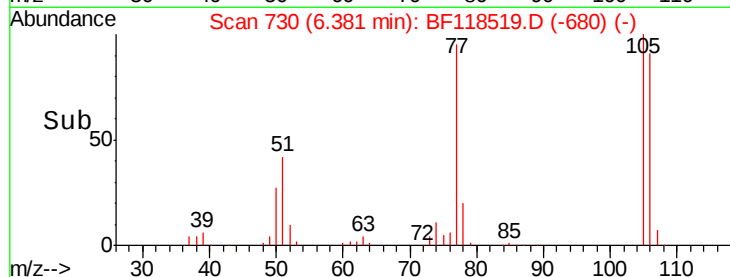
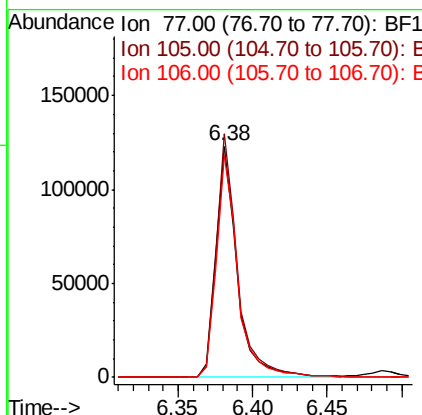
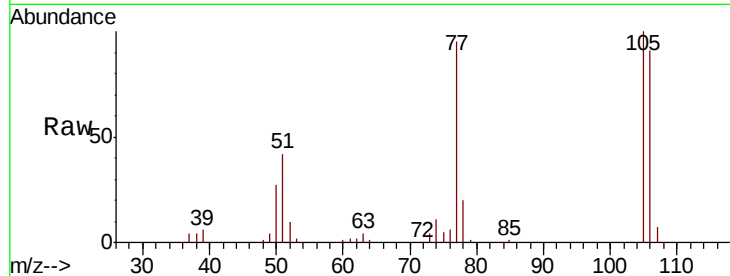
#9  
Benzaldehyde  
Concen: 35.370 ng  
RT: 6.38 min Scan# 730  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 105.5 | 85.4  | 125.4 |
| 106     | 96.3  | 79.5  | 119.5 |

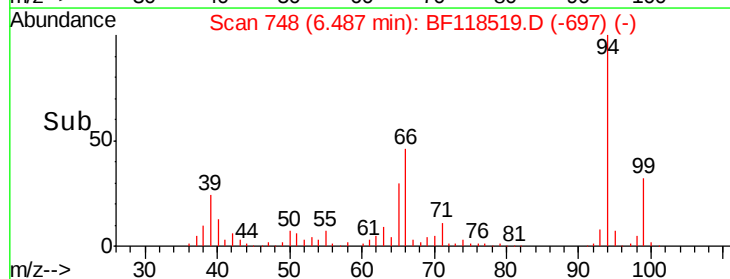
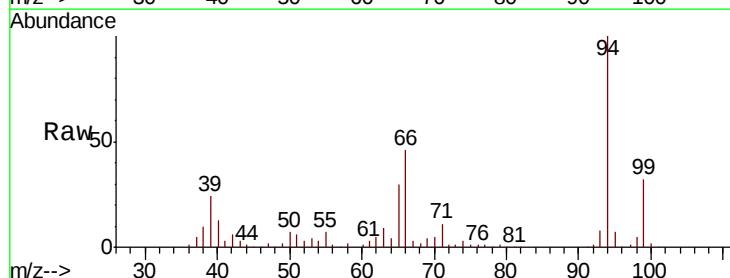
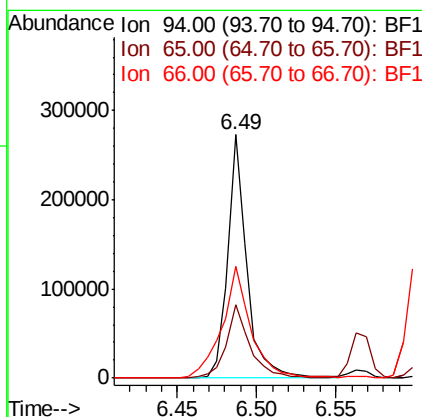
Manual Integrations  
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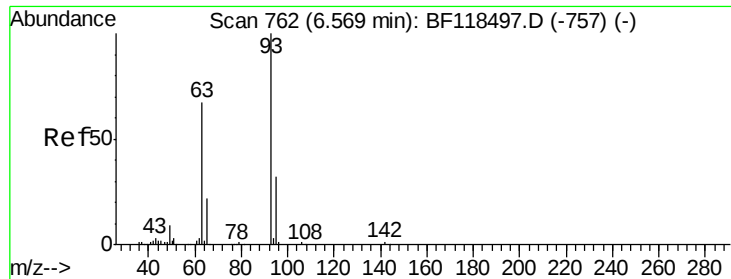
mohammad  
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#10  
Phenol  
Concen: 33.048 ng  
RT: 6.49 min Scan# 748  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 30.3  | 13.3  | 53.3  |
| 66      | 46.0  | 30.9  | 70.9  |





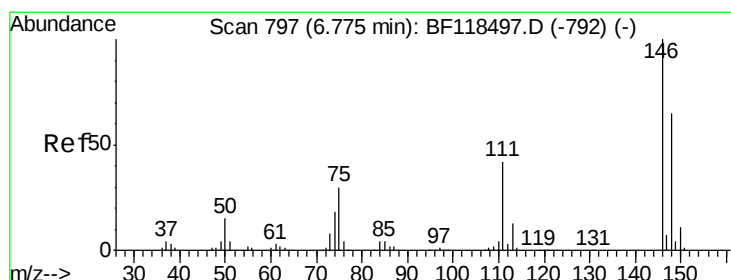
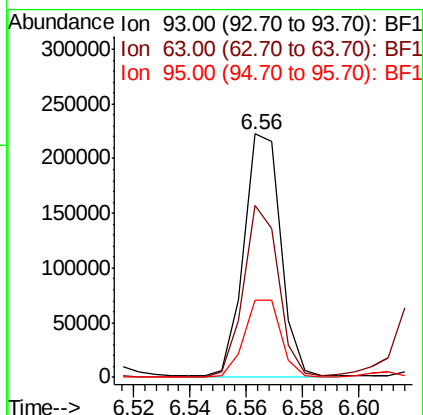
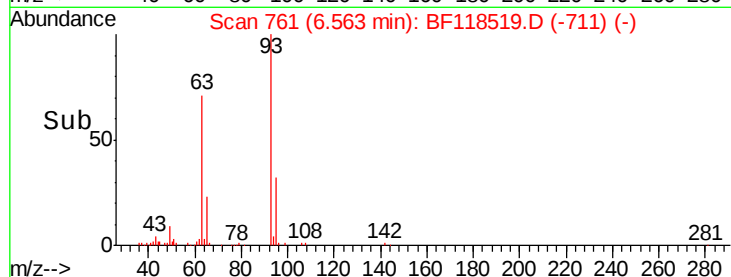
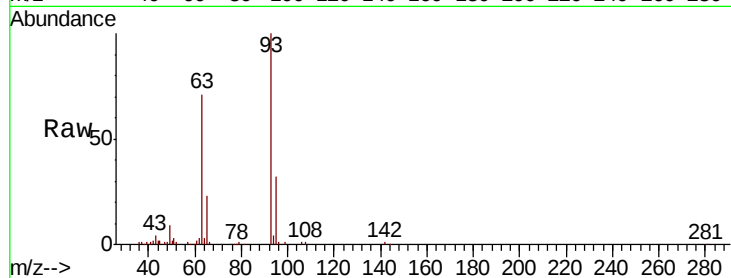
#11  
bis(2-Chloroethyl)ether  
Concen: 41.233 ng  
RT: 6.56 min Scan# 761  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 203621 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 70.8  | 46.6  | 86.6   |
| 95        | 31.5  | 11.5  | 51.5   |

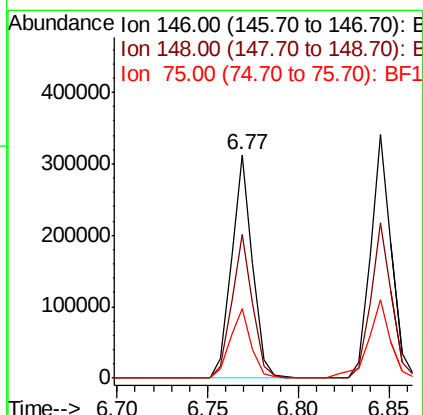
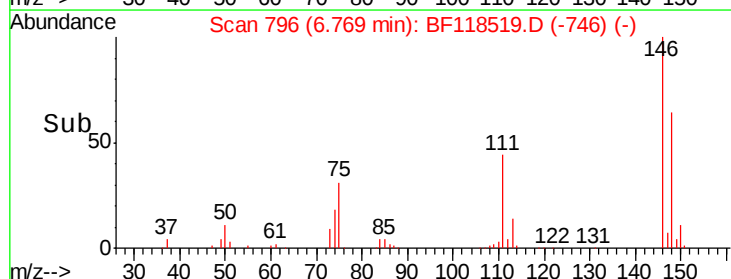
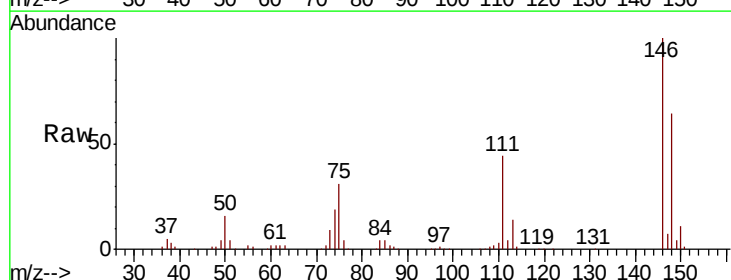
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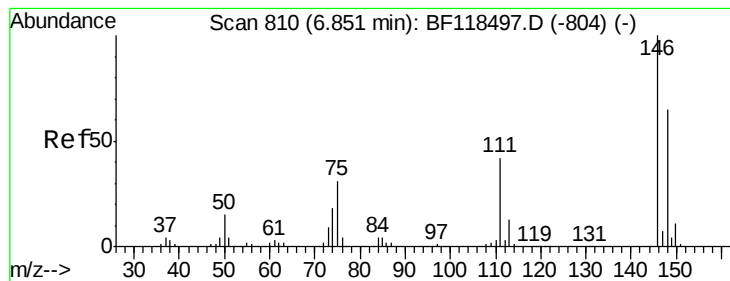
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#12  
1,3-Dichlorobenzene  
Concen: 37.330 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 249465 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.5  | 52.4  | 78.6   |
| 75        | 31.1  | 24.1  | 36.1   |





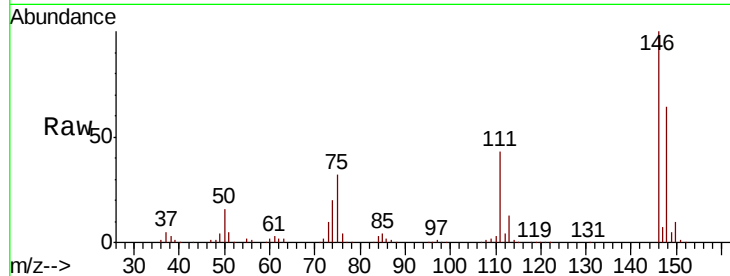
#13  
 1,4-Dichlorobenzene  
 Concen: 40.197 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 52.2  | 78.2  |
| 111     | 42.7  | 33.2  | 49.8  |

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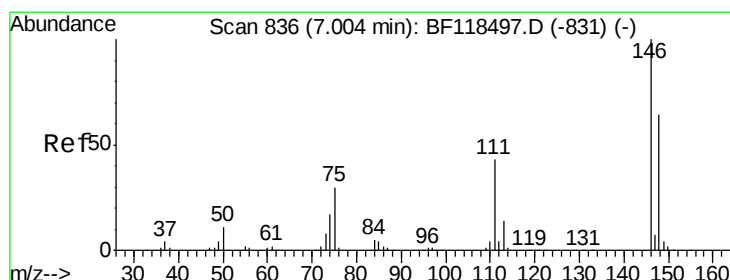
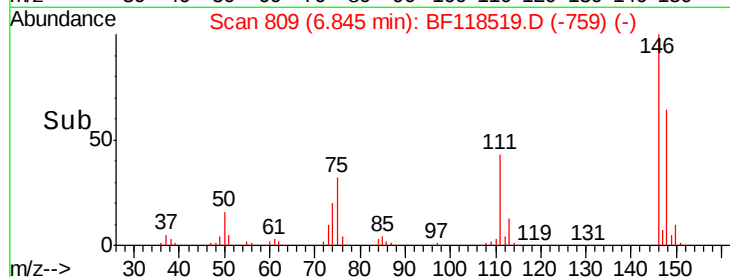
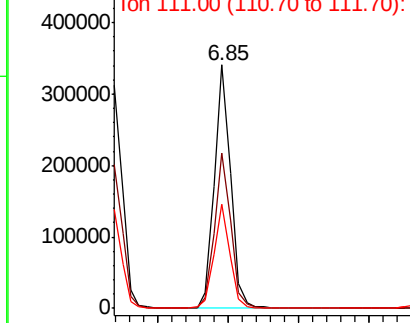


Abundance

Ion 146.00 (145.70 to 146.70): E

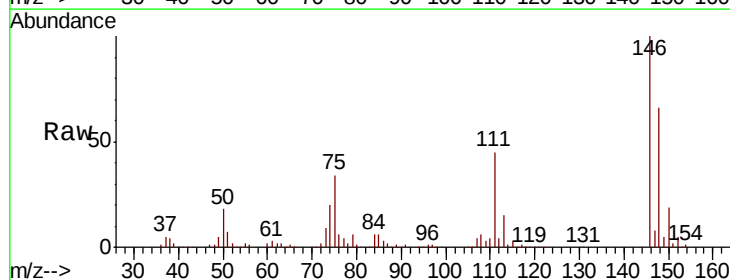
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 37.562 ng  
 RT: 7.00 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.0  | 51.3  | 76.9  |
| 111     | 45.0  | 34.7  | 52.1  |

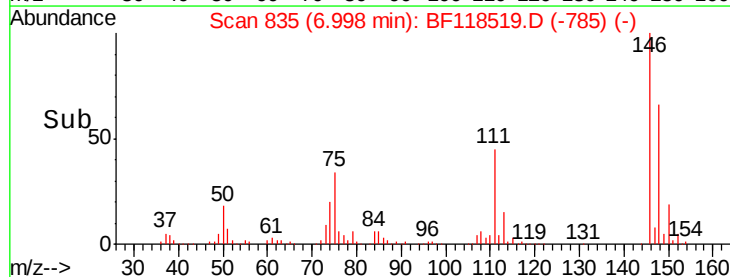
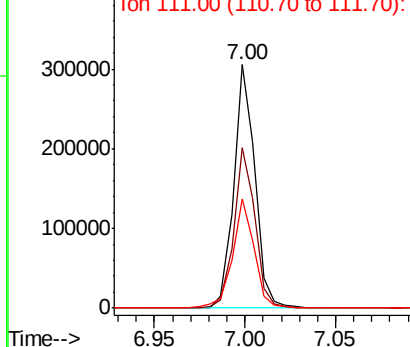


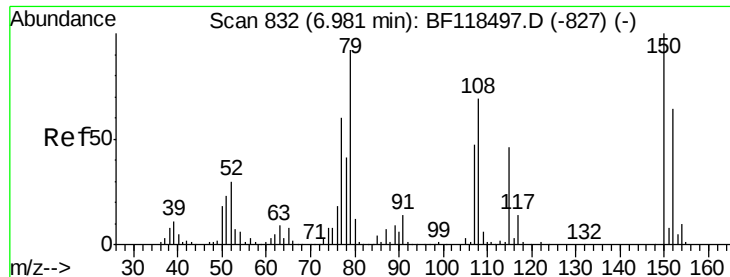
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





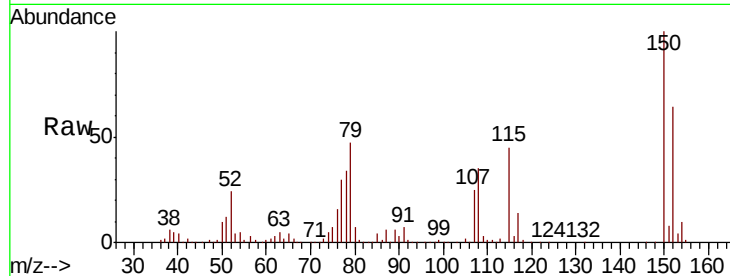
#15  
Benzyl Alcohol  
Concen: 42.282 ng  
RT: 6.98 min Scan# 832  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 74.3  | 60.2  | 90.2  |
| 77      | 64.4  | 51.8  | 77.8  |

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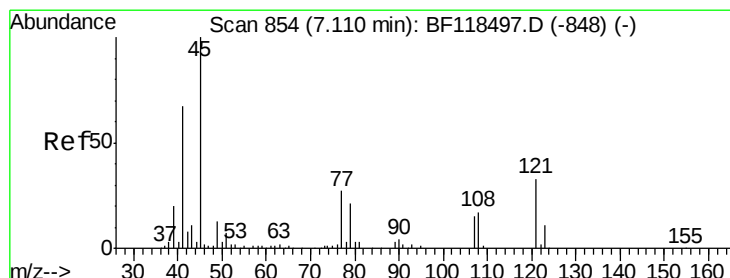
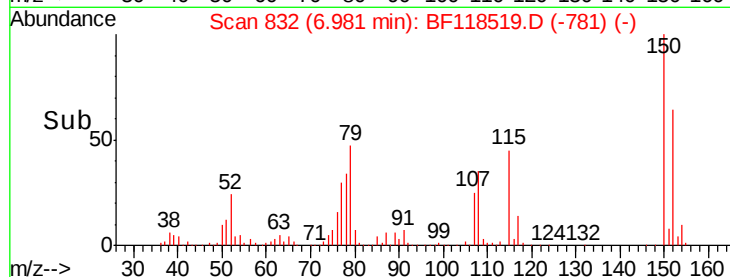
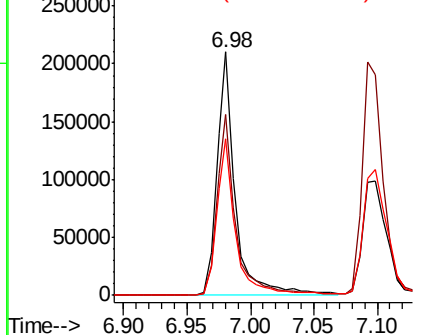


Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.767 ng  
RT: 7.10 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

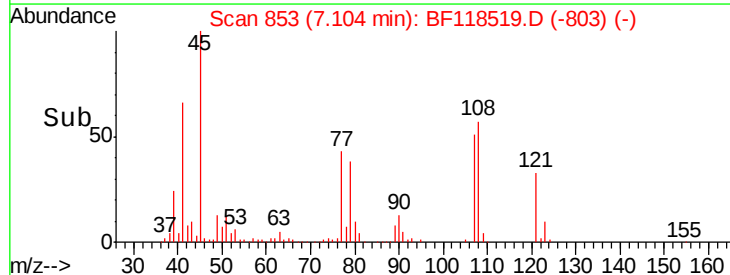
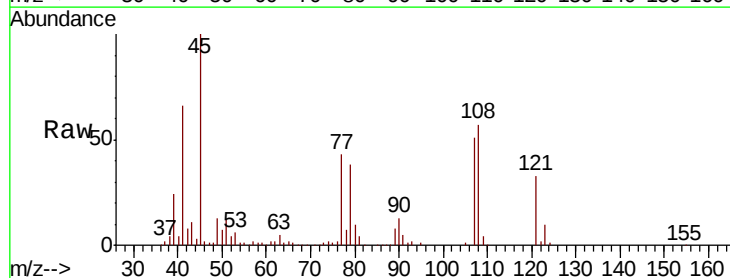
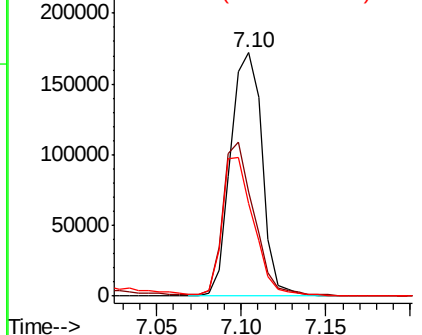
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 43.0  | 7.6   | 47.6  |
| 79      | 38.2  | 2.0   | 42.0  |

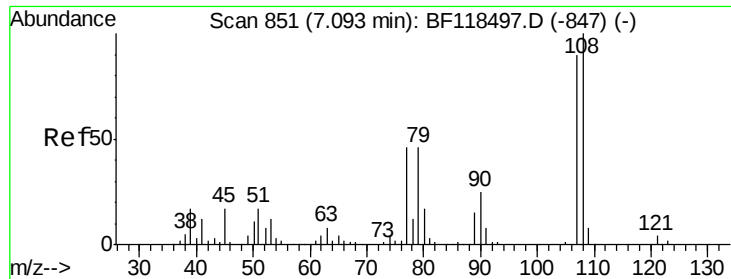
Abundance

Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 42.975 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

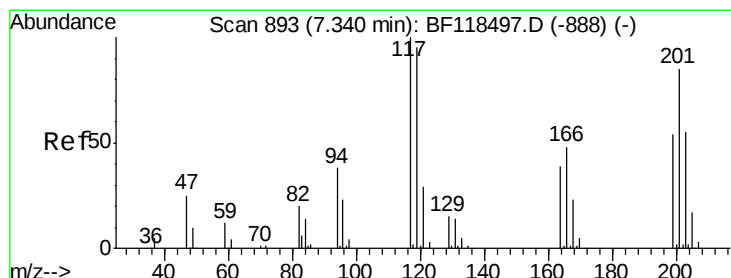
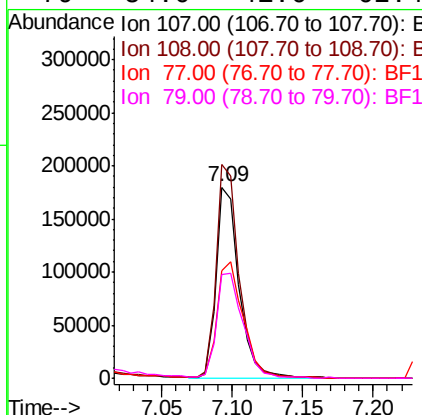
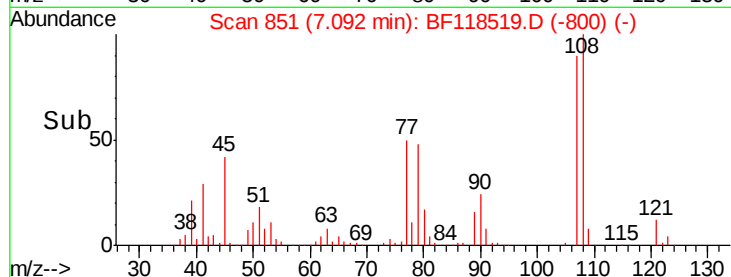
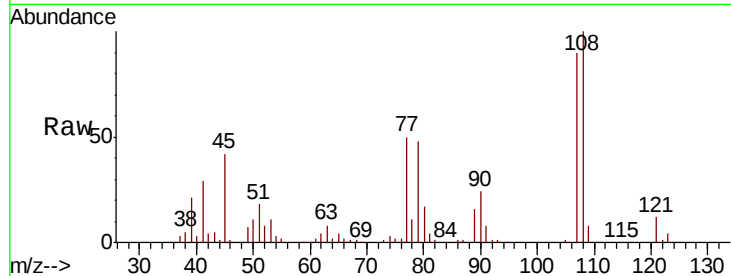
ClientSampleId :

TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 201897 |       |       |
| 108     | 111.7 | 88.9   | 133.3 |       |
| 77      | 56.1  | 41.2   | 61.8  |       |
| 79      | 54.0  | 41.6   | 62.4  |       |

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#18

Hexachloroethane

Concen: 36.678 ng

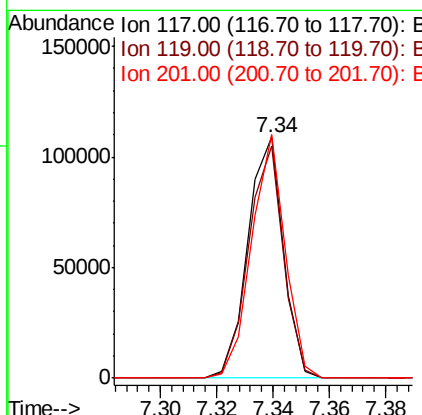
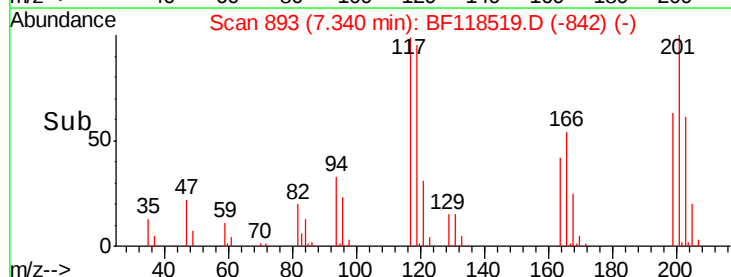
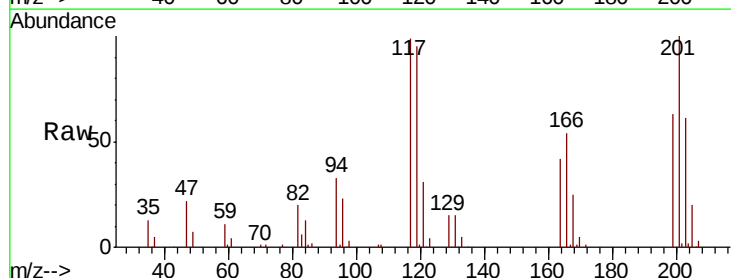
RT: 7.34 min Scan# 893

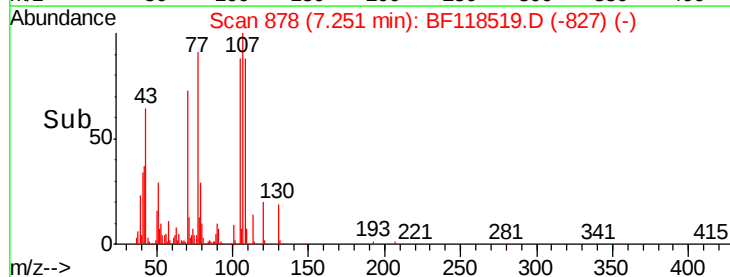
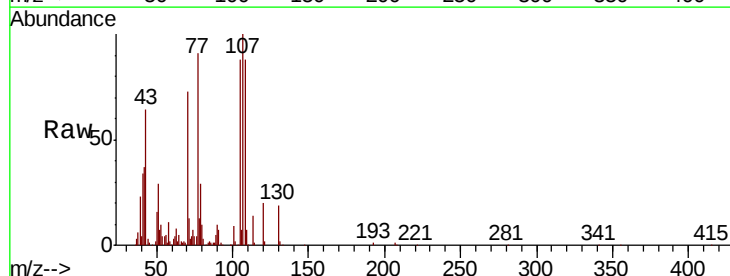
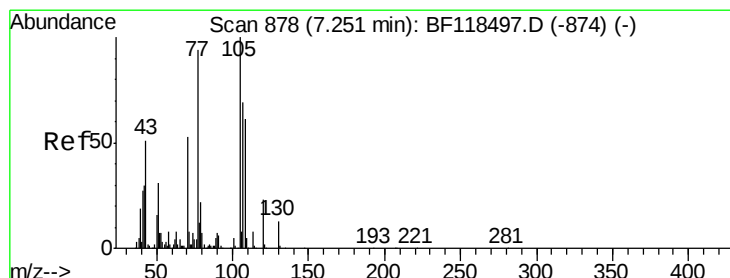
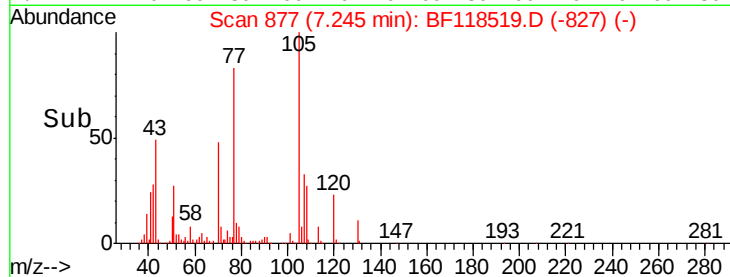
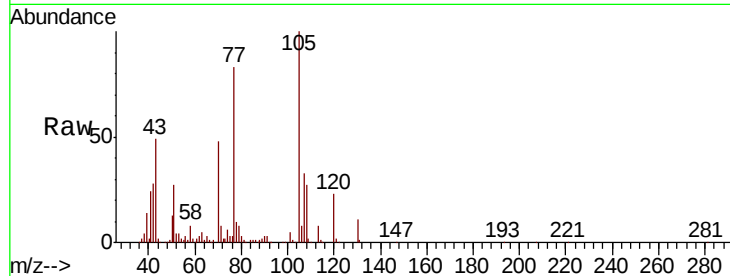
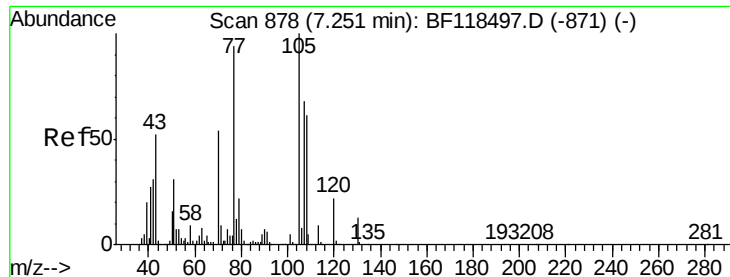
Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 94761 |       |       |
| 119     | 96.2  | 76.2  | 114.4 |       |
| 201     | 101.2 | 67.7  | 101.5 |       |





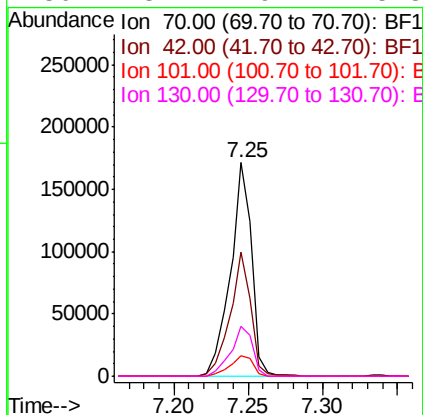
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.686 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 58.3  | 45.6  | 68.4  |
| 101     | 9.9   | 8.2   | 12.2  |
| 130     | 23.1  | 19.2  | 28.8  |

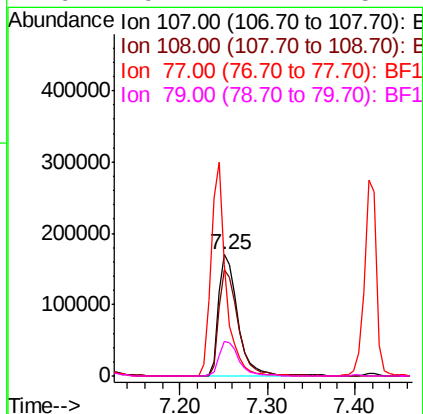
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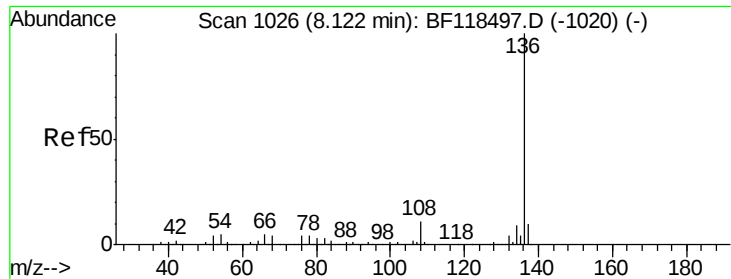
mohammad  
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#20  
3+4-Methylphenols  
Concen: 40.911 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 88.1  | 68.9  | 108.9  |
| 77      | 91.5  | 116.8 | 156.8# |
| 79      | 29.1  | 11.7  | 51.7   |





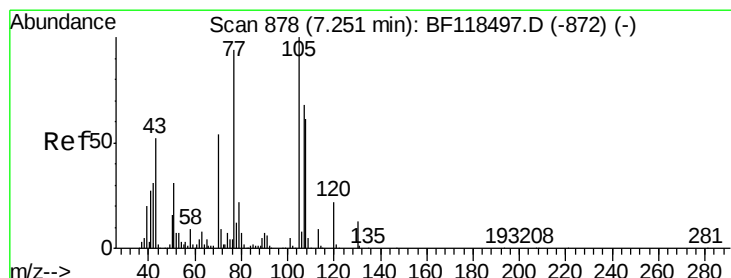
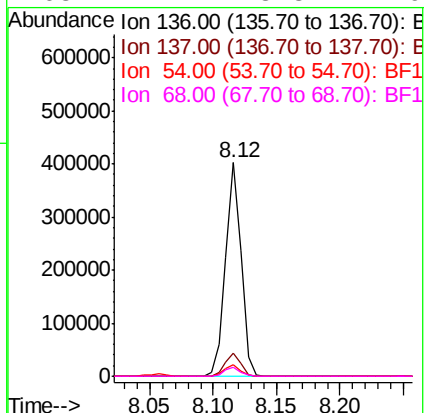
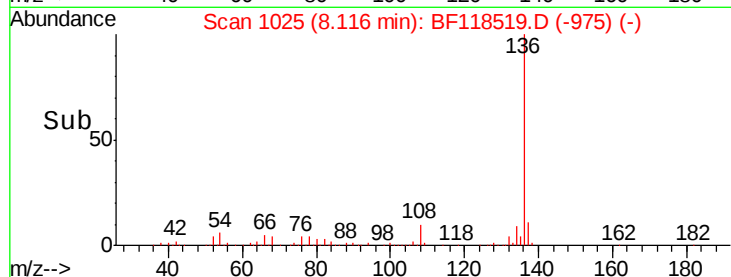
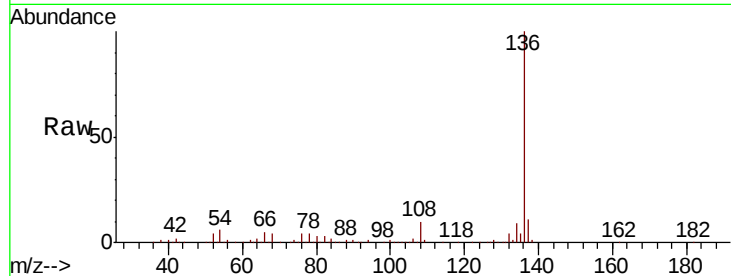
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 343716 |       |       |
| 137     | 10.9  | 8.3    | 12.5  |       |
| 54      | 5.7   | 4.2    | 6.2   |       |
| 68      | 4.1   | 3.3    | 4.9   |       |

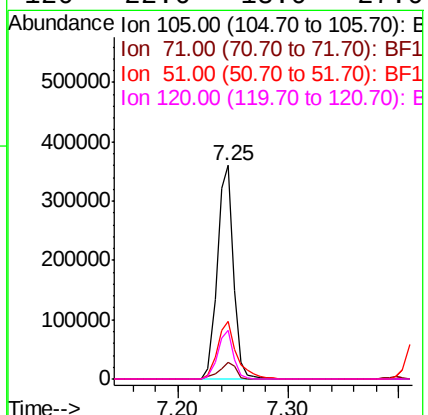
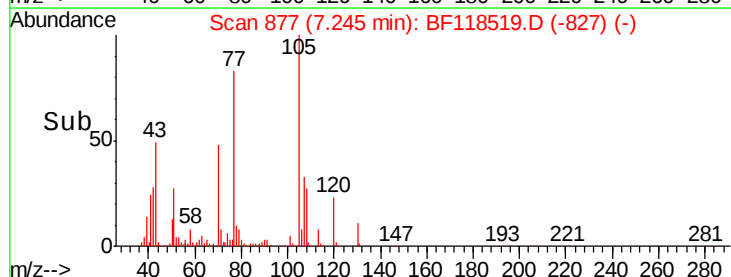
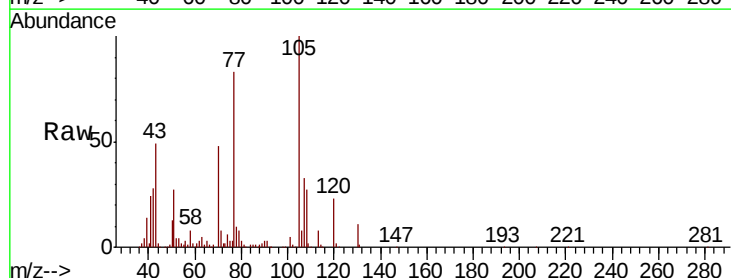
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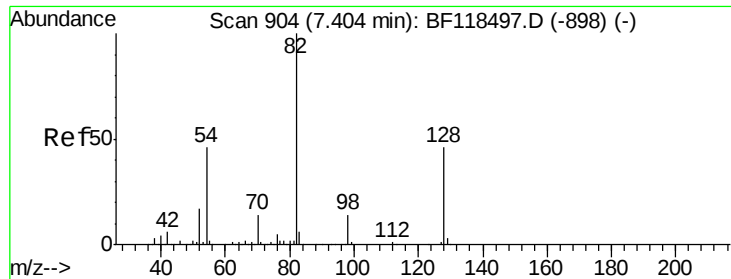
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#22  
Acetophenone  
Concen: 41.777 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 363988 |       |       |
| 71      | 7.6   | 6.9    | 10.3  |       |
| 51      | 26.7  | 25.0   | 37.4  |       |
| 120     | 22.6  | 18.0   | 27.0  |       |





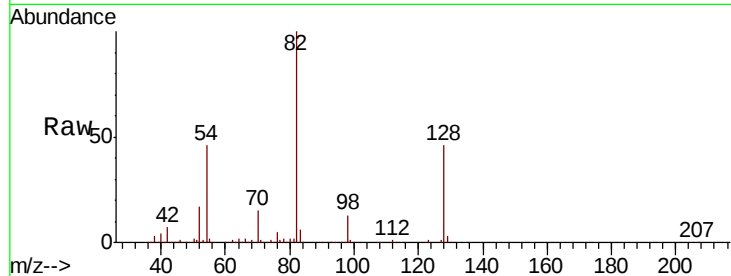
#23  
Nitrobenzene-d5  
Concen: 82.664 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

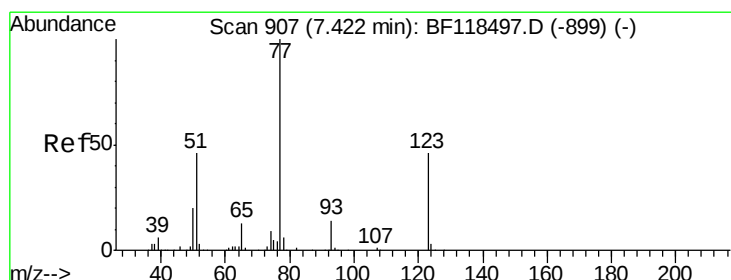
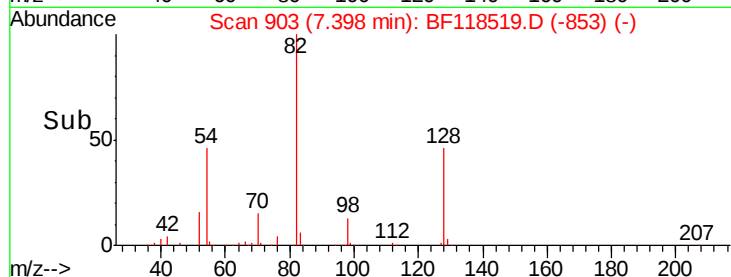
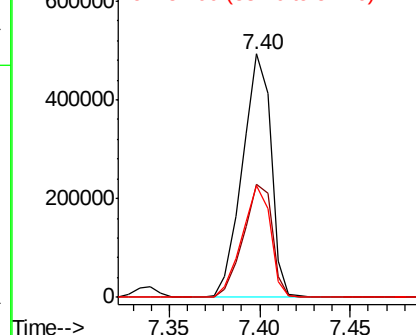
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.2  | 36.6  | 54.8  |
| 54      | 46.0  | 37.0  | 55.6  |

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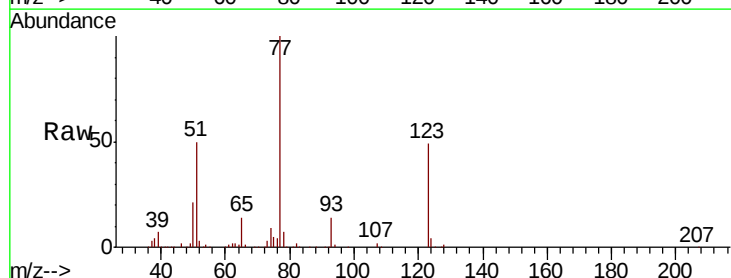


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

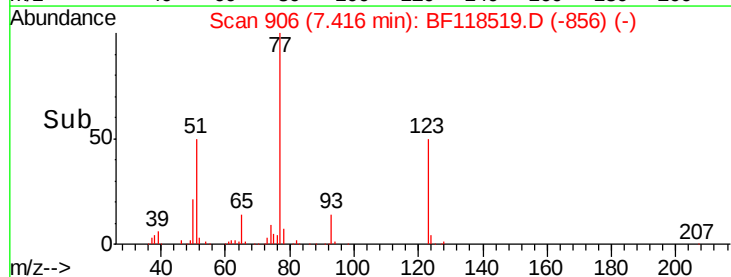
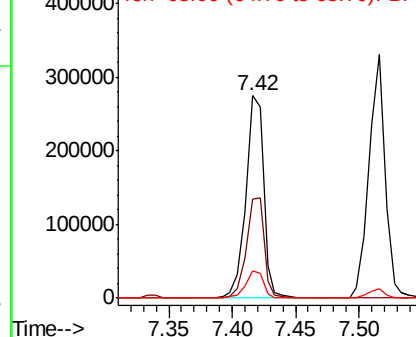


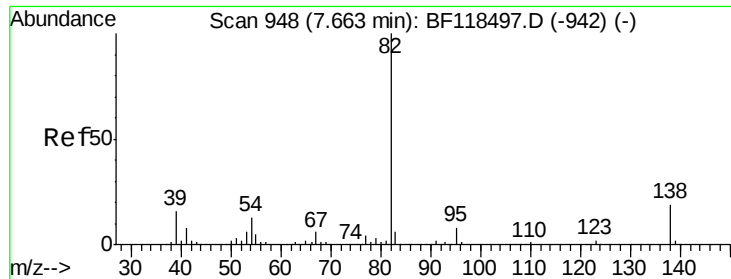
#24  
Nitrobenzene  
Concen: 40.839 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.2  | 37.0  | 55.4  |
| 65      | 13.7  | 10.7  | 16.1  |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 42.797 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

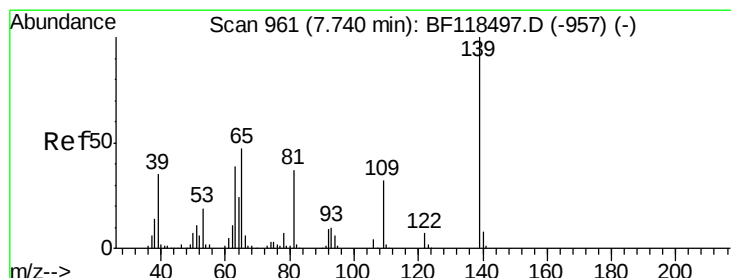
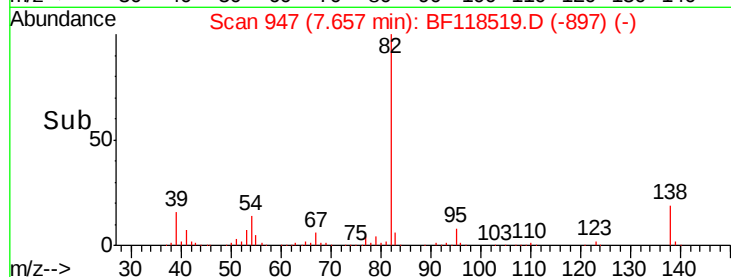
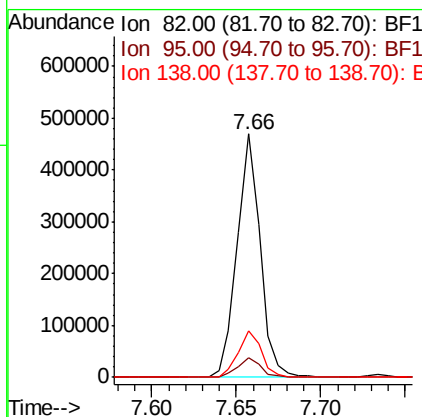
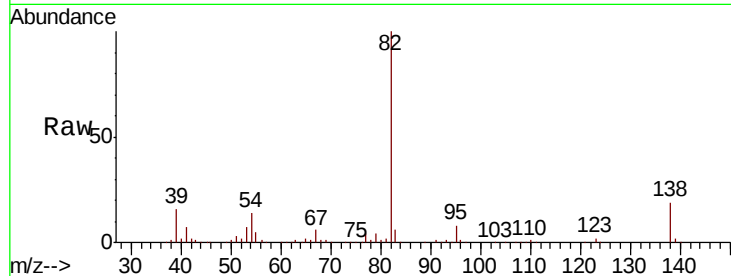
ClientSampleId :

TP-1MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 448599 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 8.2   | 6.6   | 9.8    |
| 138      | 19.0  | 15.4  | 23.2   |

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#26

2-Nitrophenol

Concen: 42.977 ng

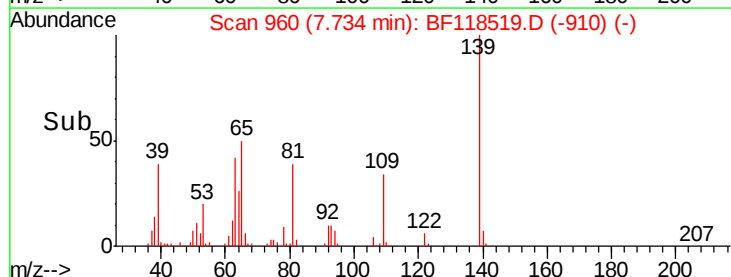
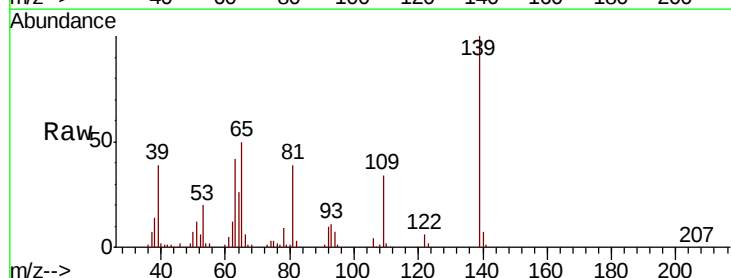
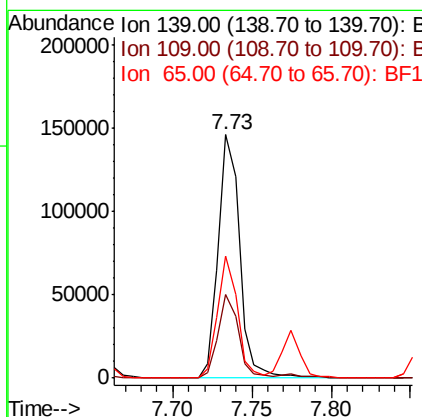
RT: 7.73 min Scan# 960

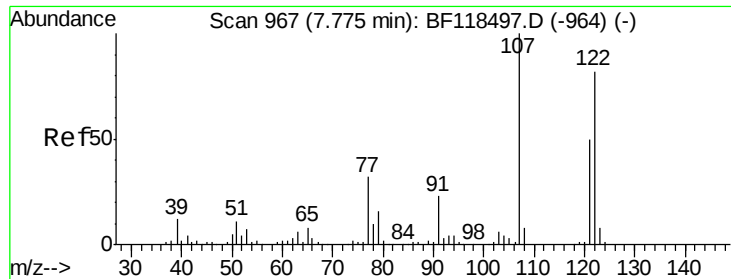
Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 138056 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 34.4  | 25.7  | 38.5   |
| 65       | 50.3  | 37.8  | 56.6   |





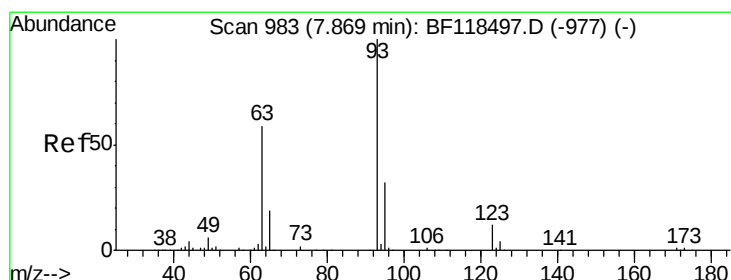
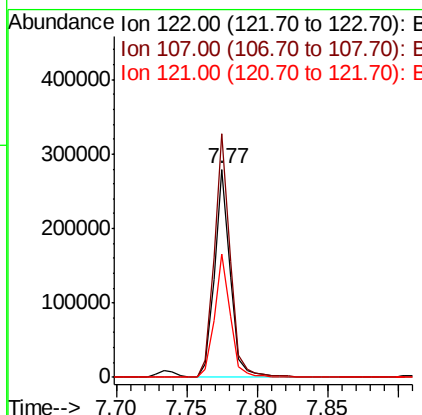
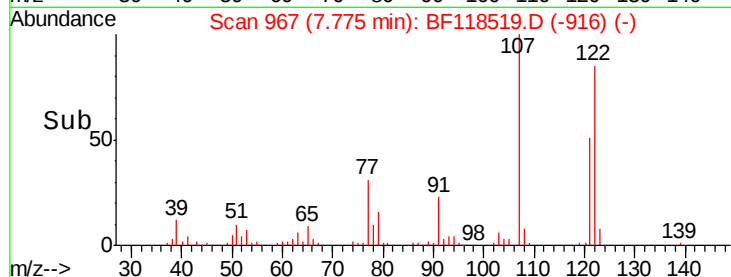
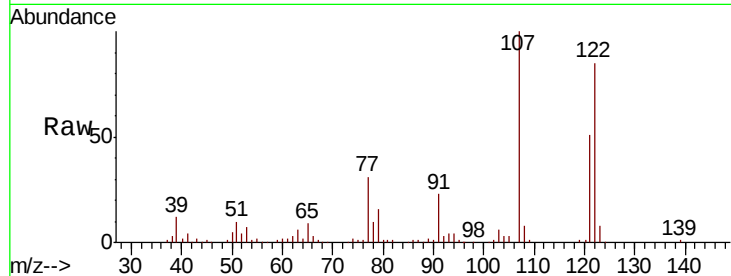
#27  
 2,4-Dimethylphenol  
 Concen: 49.806 ng  
 RT: 7.77 min Scan# 967  
 Delta R.T. -0.00 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 215158 |       |       |
| 107     | 117.0 | 97.9   | 146.9 |       |
| 121     | 59.2  | 49.0   | 73.4  |       |

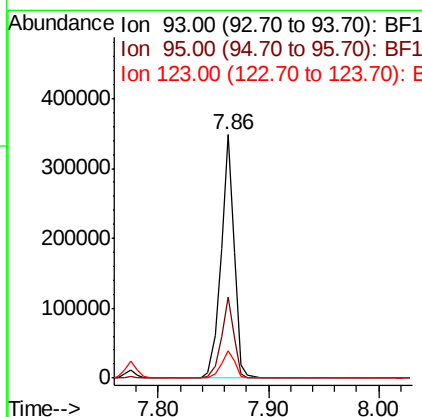
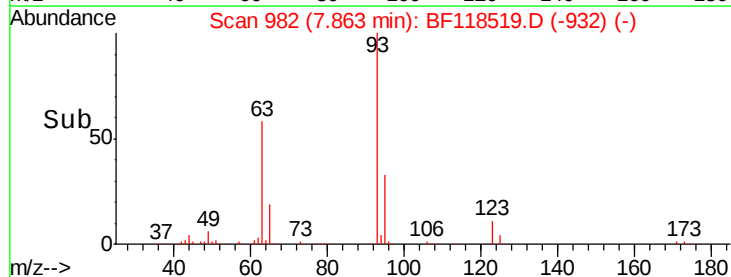
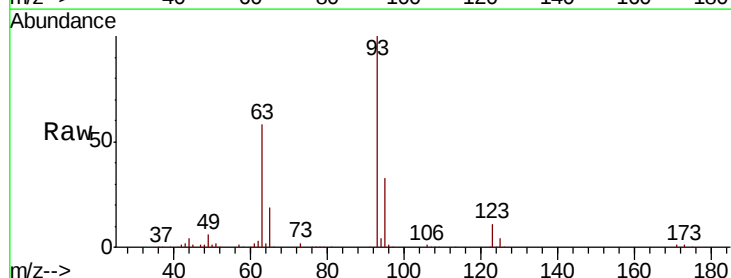
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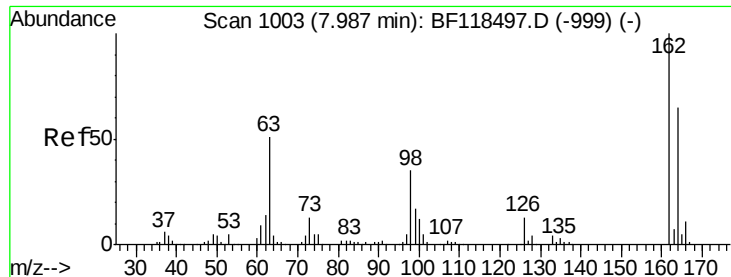
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.853 ng  
 RT: 7.86 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 288423 |       |       |
| 95      | 33.1  | 25.9   | 38.9  |       |
| 123     | 11.4  | 9.7    | 14.5  |       |





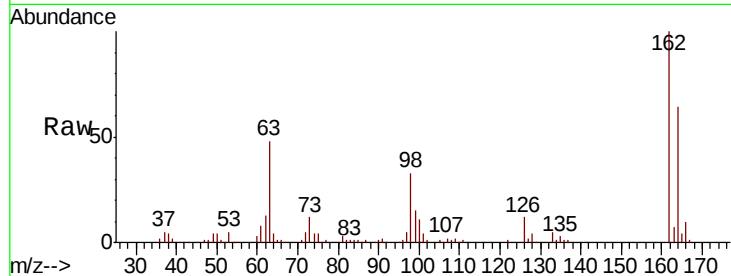
#29  
2,4-Dichlorophenol  
Concen: 40.609 ng  
RT: 7.99 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 204829 |       |       |
| 164     | 63.5  | 44.8   | 84.8  |       |
| 98      | 32.7  | 15.1   | 55.1  |       |

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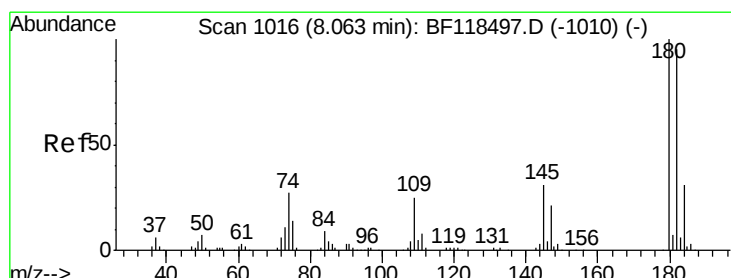
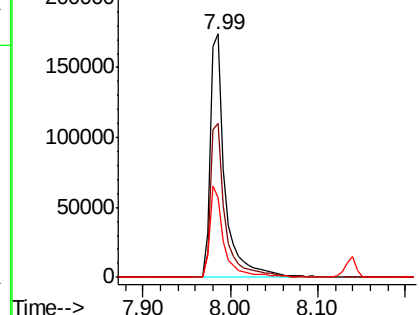
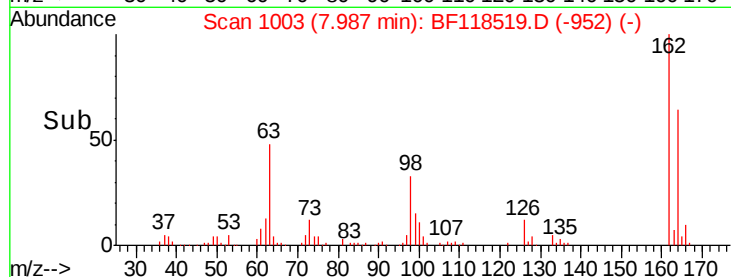


Abundance

Ion 162.00 (161.70 to 162.70): E

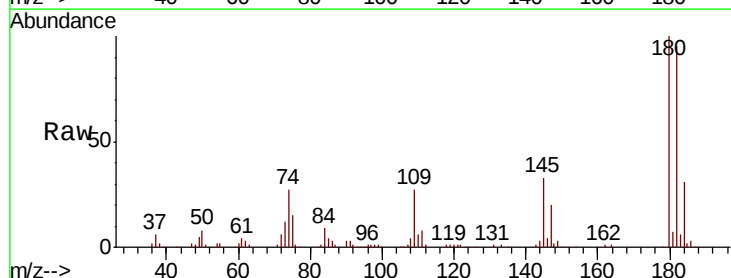
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
1,2,4-Trichlorobenzene  
Concen: 39.899 ng  
RT: 8.06 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 233744 |       |       |
| 182     | 94.8  | 75.8   | 113.6 |       |
| 145     | 32.6  | 25.0   | 37.6  |       |

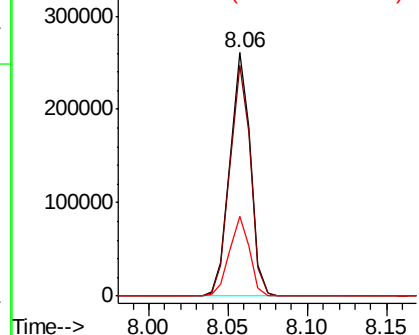
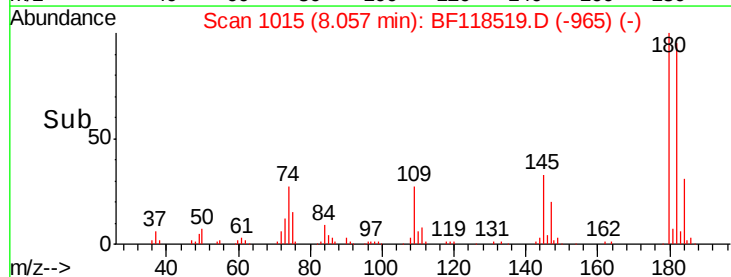


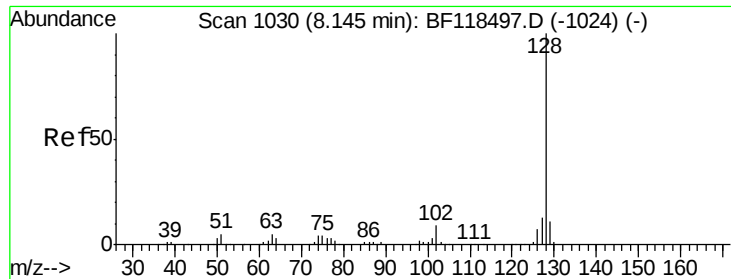
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





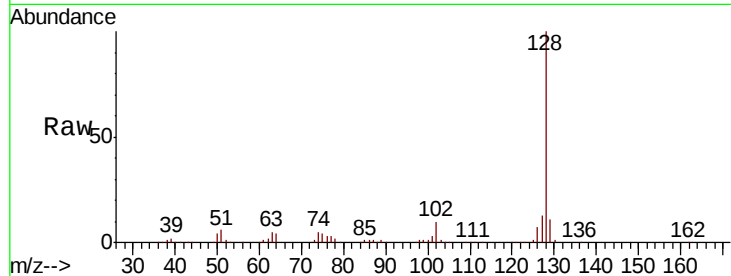
#31  
Naphthalene  
Concen: 45.128 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 8.6   | 12.8  |
| 127     | 13.1  | 10.7  | 16.1  |

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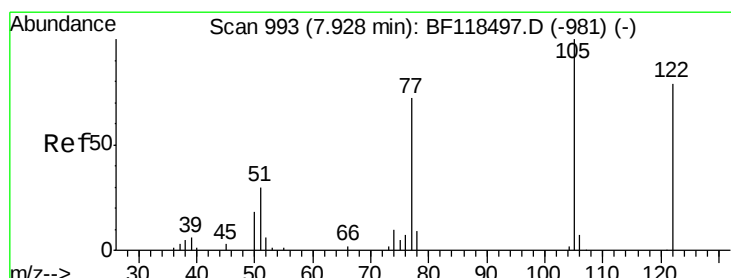
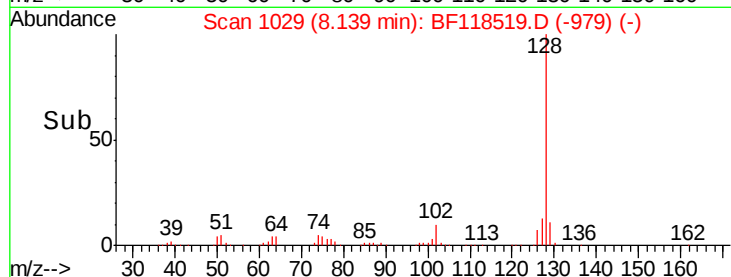
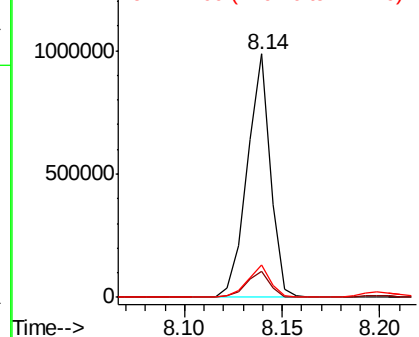


Abundance

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: 9.657 ng m  
RT: 7.92 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

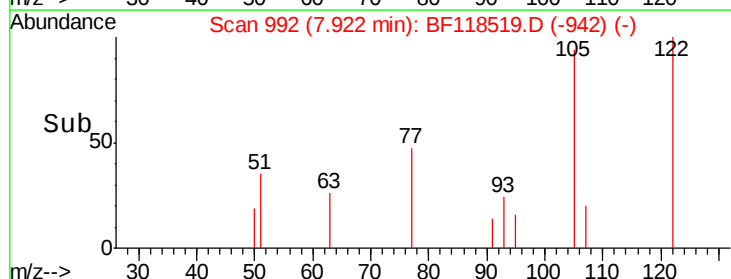
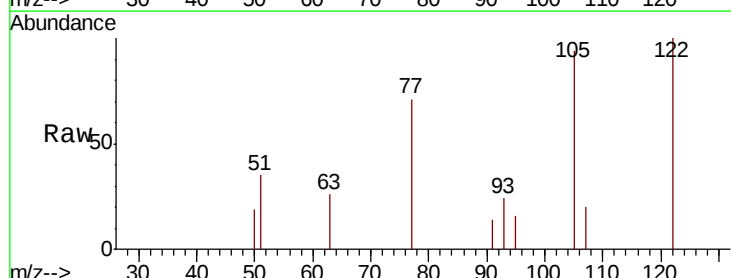
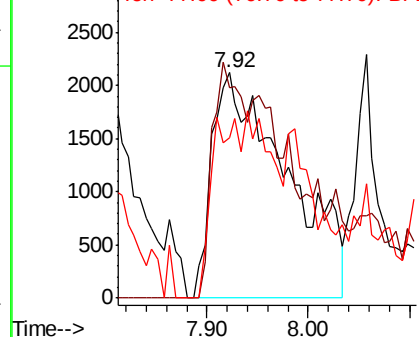
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 93.5  | 105.7 | 145.7# |
| 77      | 71.1  | 71.0  | 111.0  |

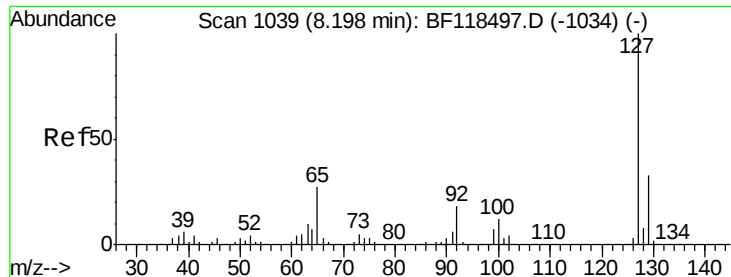
Abundance

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





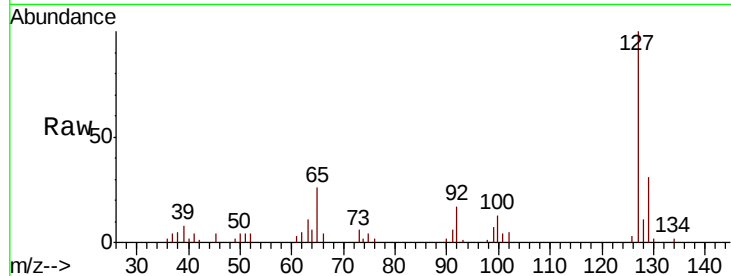
#33  
4-Chloroaniline  
Concen: 5.099 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

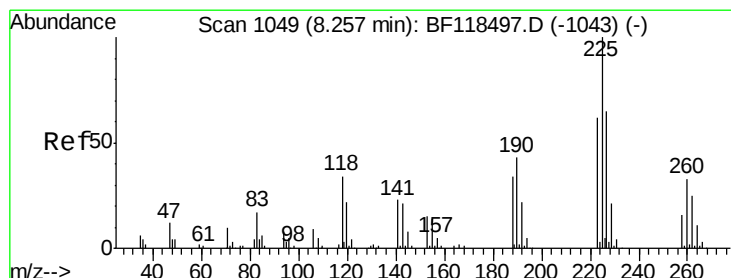
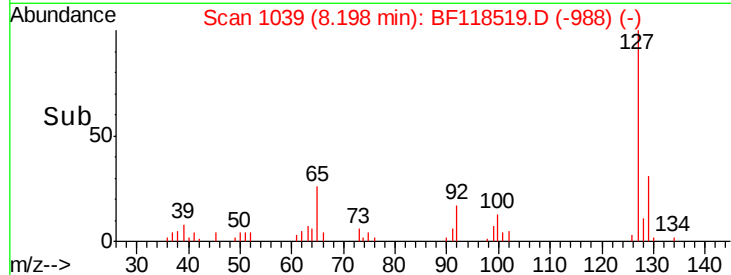
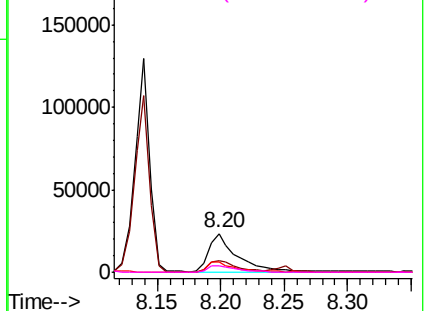
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 30.6  | 26.2  | 39.4  |
| 65      | 26.2  | 21.6  | 32.4  |
| 92      | 17.1  | 14.3  | 21.5  |

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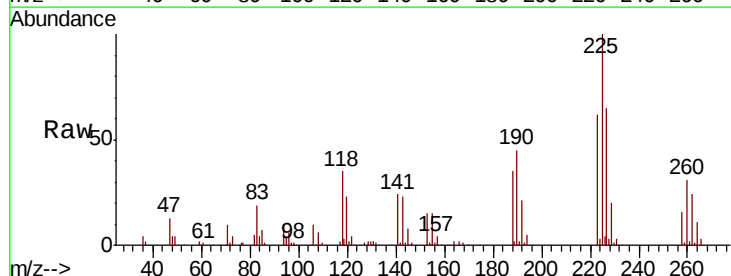


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

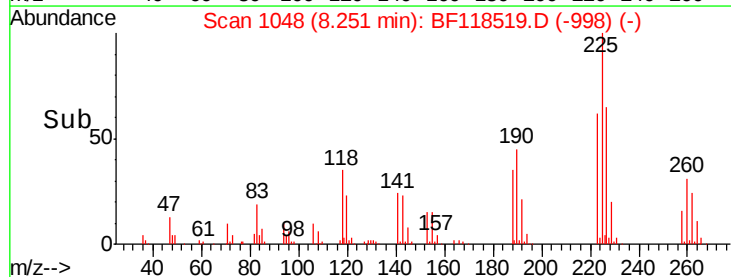
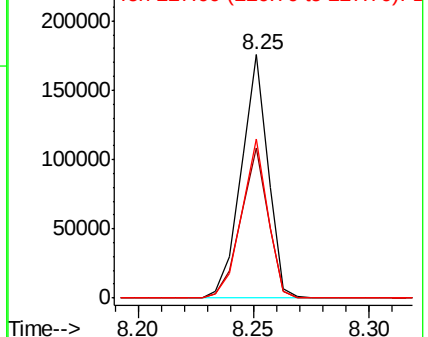


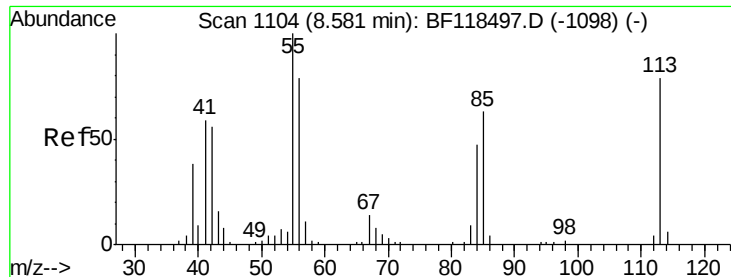
#34  
Hexachlorobutadiene  
Concen: 39.602 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.6  | 49.9  | 74.9  |
| 227     | 65.2  | 51.8  | 77.6  |



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





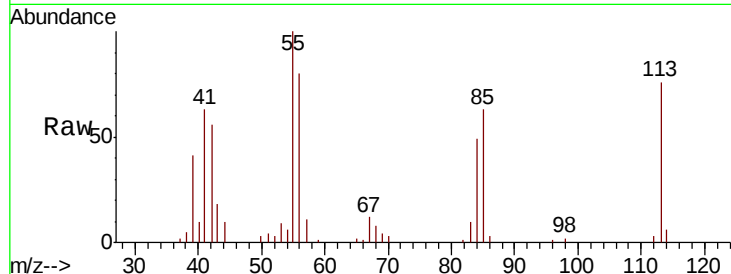
#35  
 Caprolactam  
 Concen: 31.419 ng/ml  
 RT: 8.57 min Scan# 1102  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

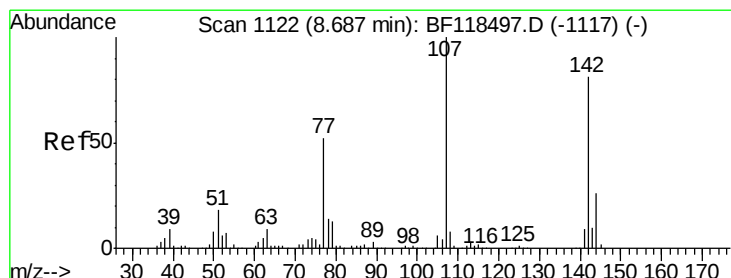
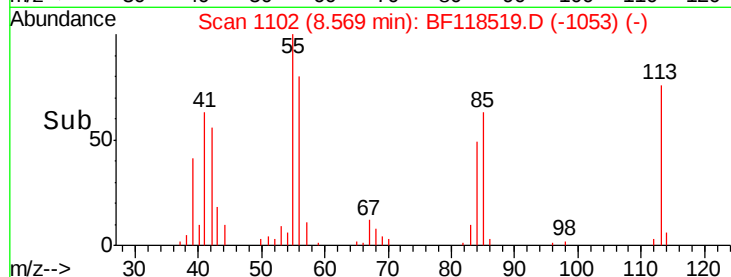
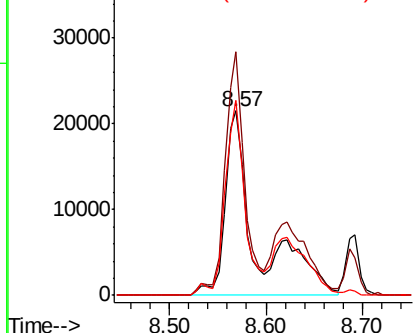
| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |
| 55      | 132.2 | 106.5 | 146.5 |       |
| 56      | 105.8 | 80.1  | 120.1 |       |

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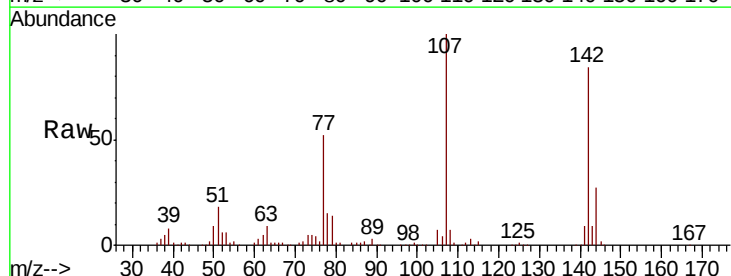


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

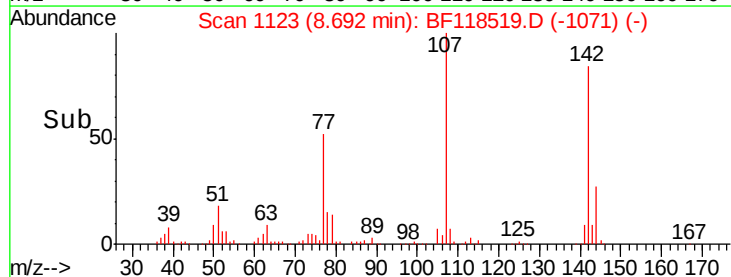
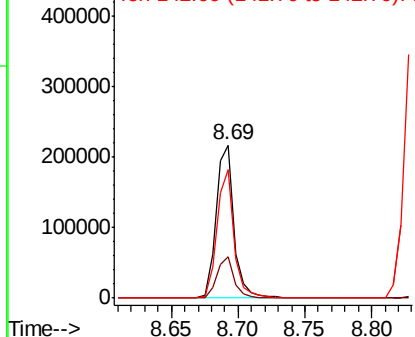


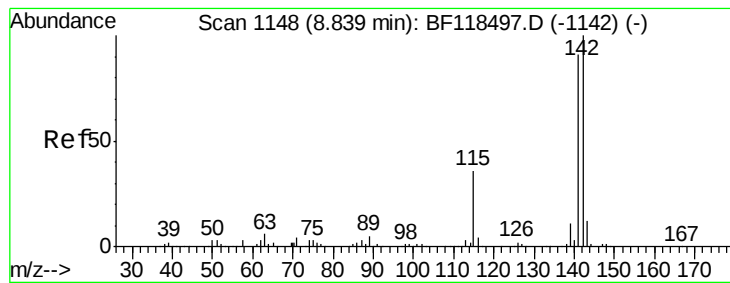
#36  
 4-Chloro-3-methylphenol  
 Concen: 38.024 ng/ml  
 RT: 8.69 min Scan# 1123  
 Delta R.T. 0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 26.7 | 20.6  | 31.0  |       |
| 142     | 84.1 | 65.0  | 97.4  |       |



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E





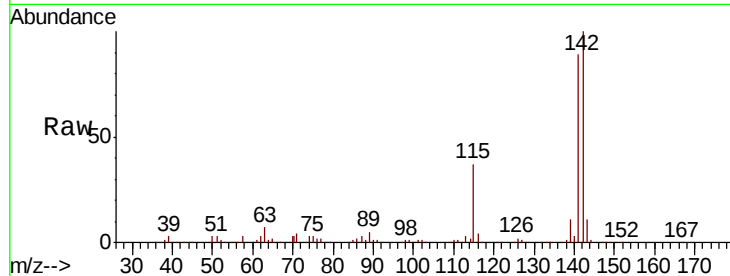
#37  
2-Methylnaphthalene  
Concen: 37.962 ng  
RT: 8.83 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 73.0  | 109.6 |
| 115     | 36.7  | 28.4  | 42.6  |

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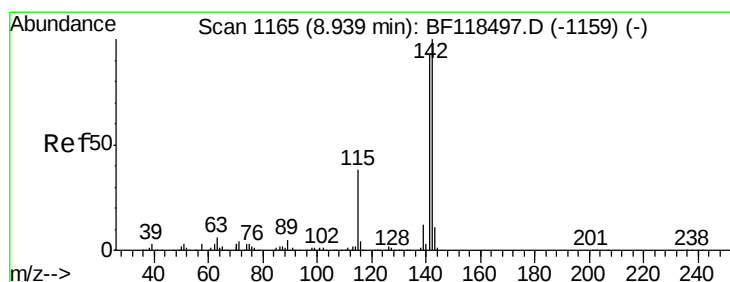
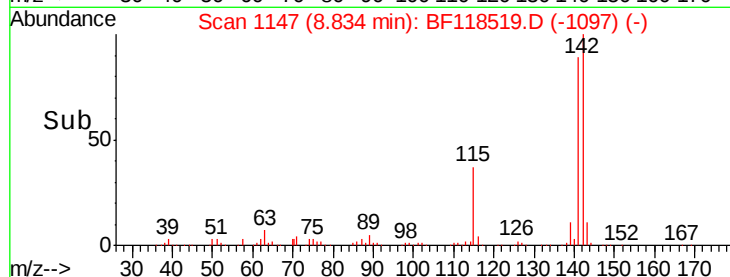
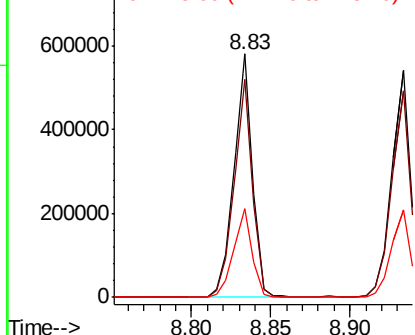


Abundance

Ion 142.00 (141.70 to 142.70): E

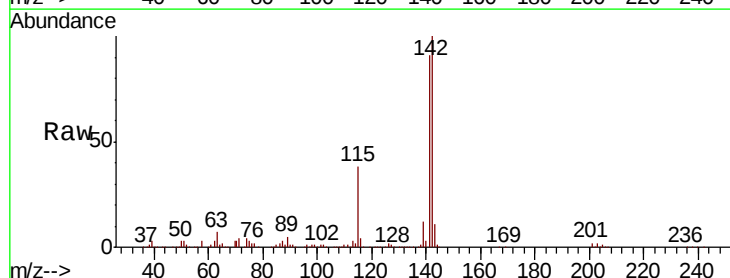
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 38.177 ng  
RT: 8.93 min Scan# 1164  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 74.3  | 111.5 |
| 116     | 4.0   | 3.2   | 4.8   |

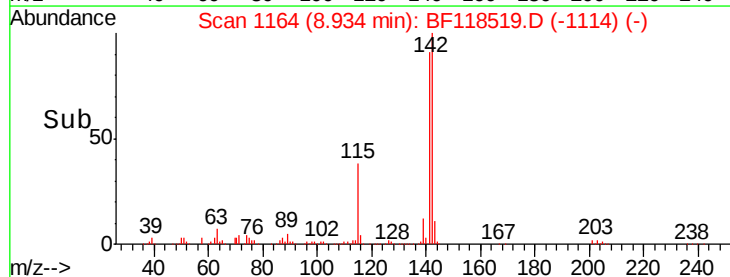
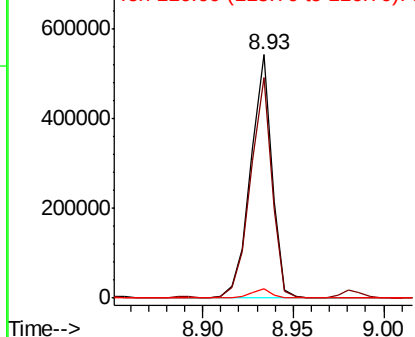


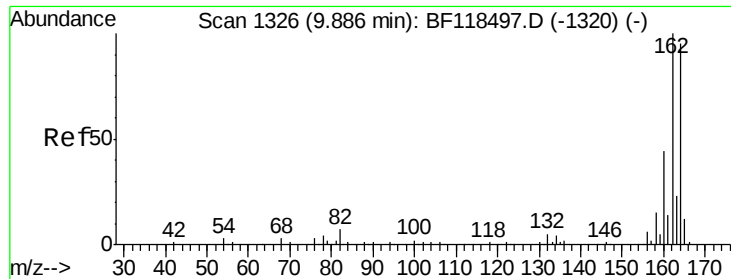
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





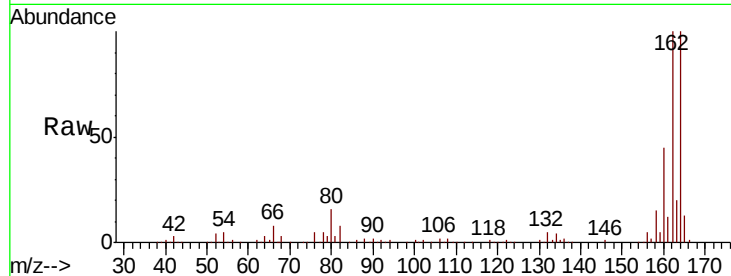
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 100.4 | 84.2 | 126.4 |       |
| 160     | 45.3  | 36.8 | 55.2  |       |

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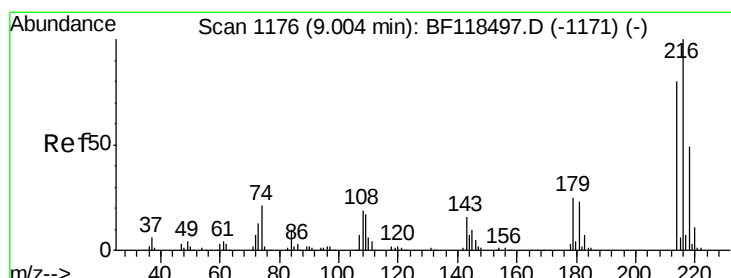
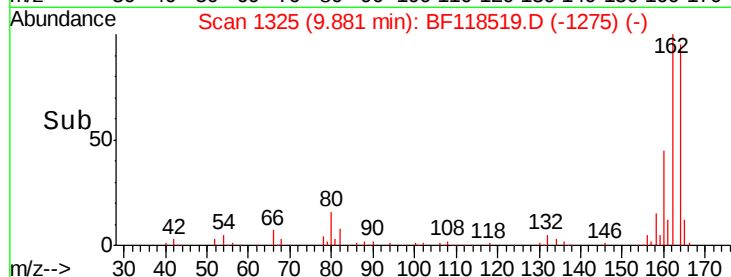
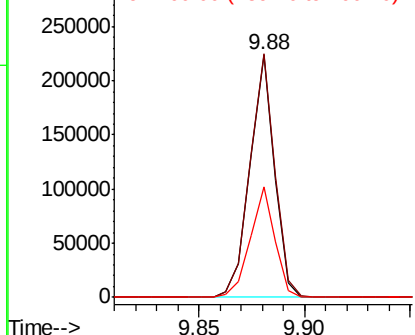


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 36.627 ng  
RT: 9.00 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.3  | 62.4 | 93.6  |       |
| 179     | 23.8  | 18.7 | 28.1  |       |
| 108     | 20.6  | 15.3 | 22.9  |       |

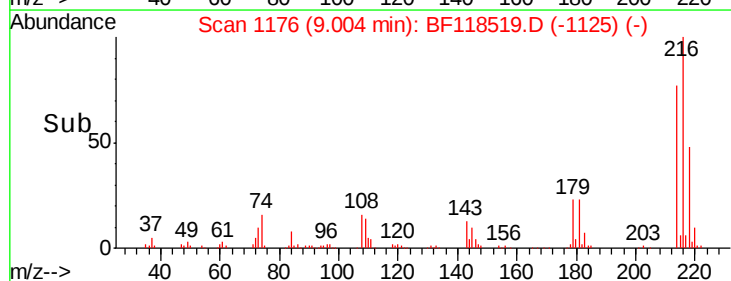
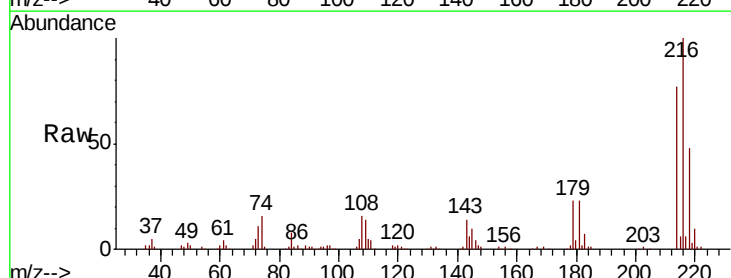
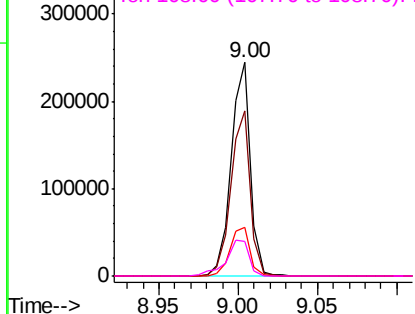
Abundance

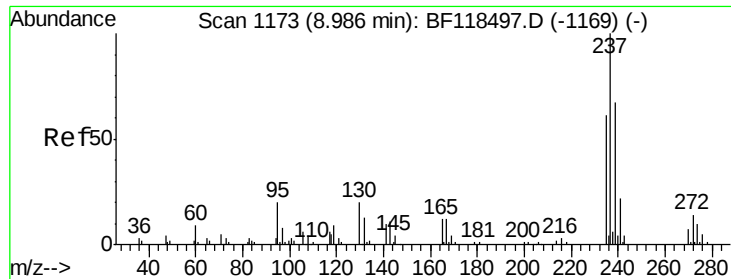
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 71.438 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

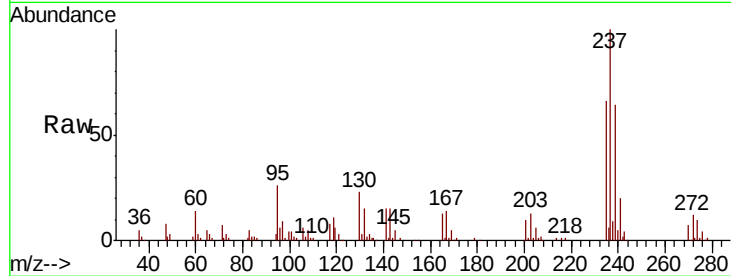
ClientSampleId :

TP-1MS

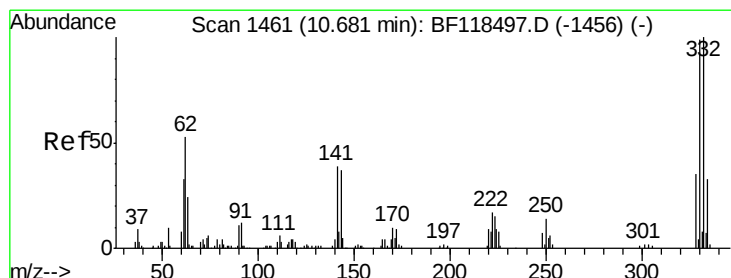
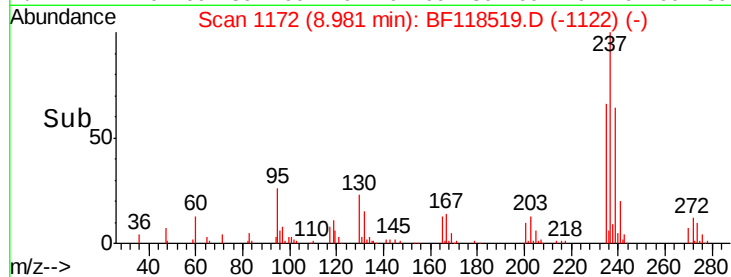
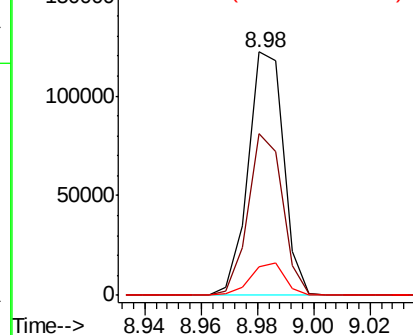
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 237  | Resp: | 106250 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 66.4 | 40.8  | 80.8   |
| 272       | 11.8 | 0.0   | 34.2   |

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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: 114.468 ng

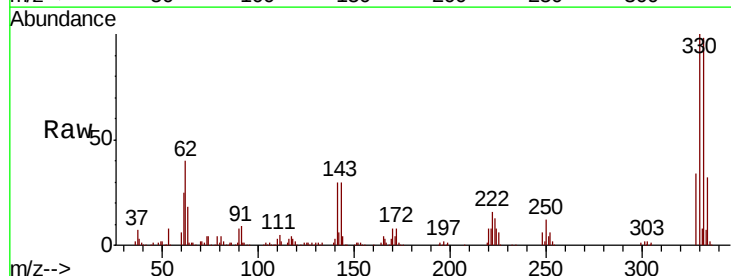
RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

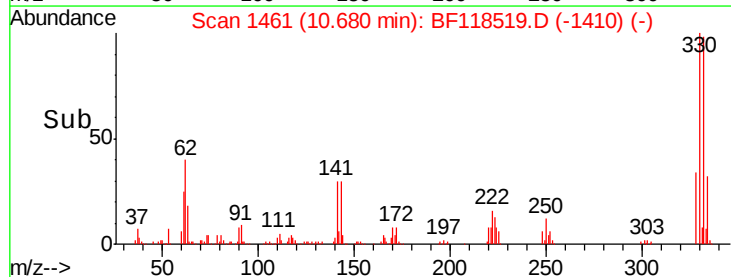
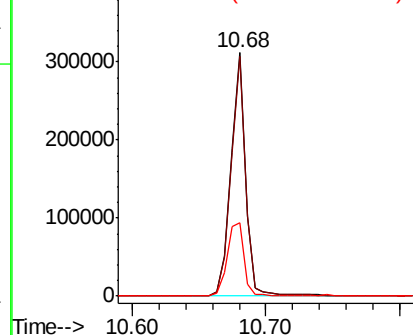
Lab File: BF118519.D

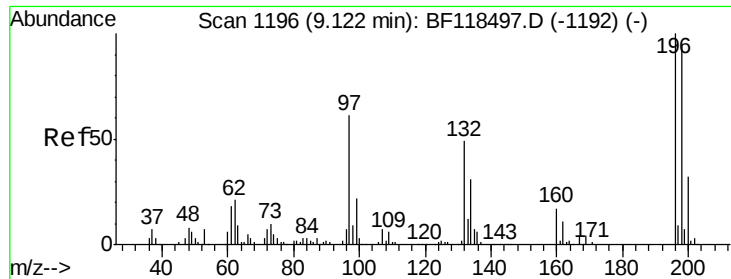
Acq: 10 Jan 2020 17:20

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 330  | Resp: | 245406 |
| Ion Ratio |      | Lower | Upper  |
| 330       | 100  |       |        |
| 332       | 98.1 | 77.9  | 116.9  |
| 141       | 34.9 | 28.6  | 43.0   |



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





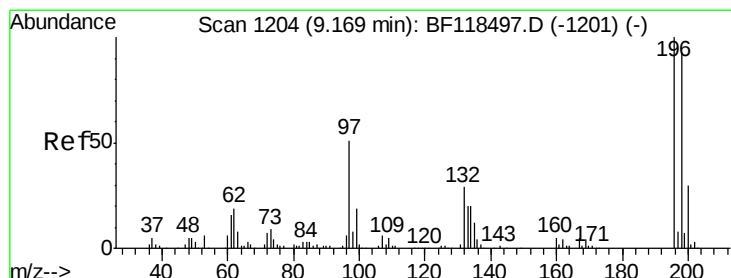
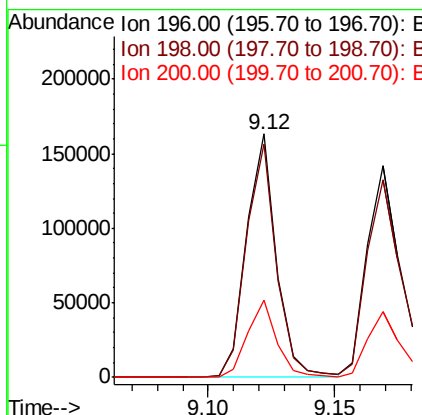
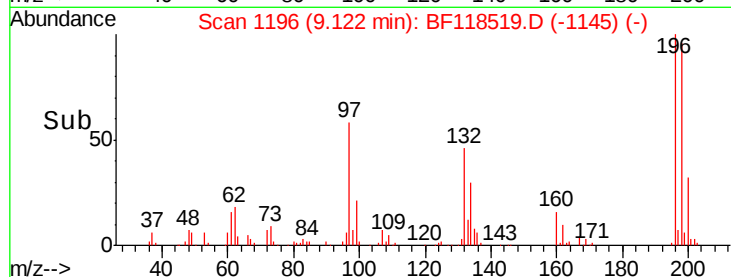
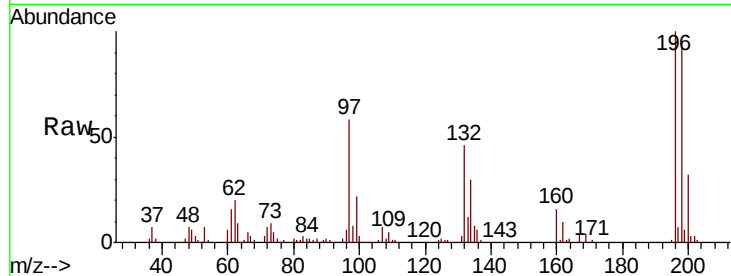
#43  
 2,4,6-Trichlorophenol  
 Concen: 38.901 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. -0.00 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 134192 |       |       |
| 198     | 95.7  | 76.2   | 114.4 |       |
| 200     | 31.6  | 25.2   | 37.8  |       |

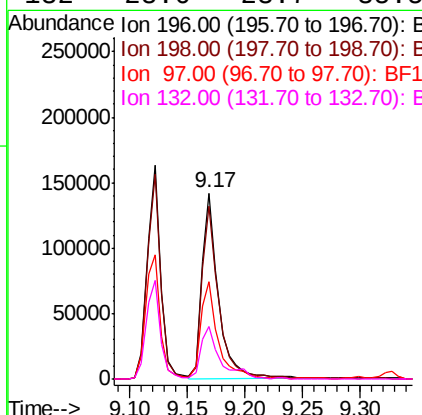
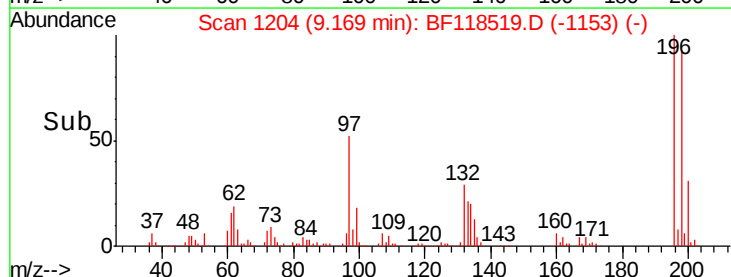
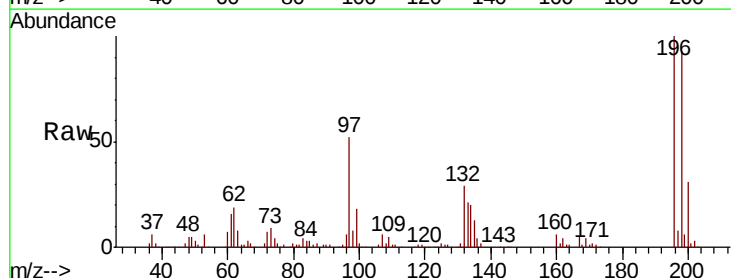
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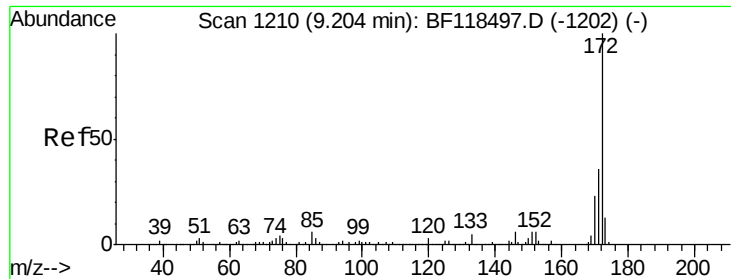
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#44  
 2,4,5-Trichlorophenol  
 Concen: 40.135 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.00 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 143272 |       |       |
| 198     | 93.2  | 74.7   | 112.1 |       |
| 97      | 52.4  | 40.7   | 61.1  |       |
| 132     | 28.6  | 23.7   | 35.5  |       |





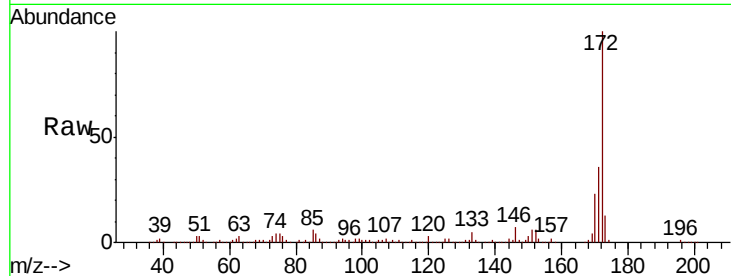
#45  
2-Fluorobiphenyl  
Concen: 79.220 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 172     | 100  |       |       |       |
| 171     | 35.7 | 28.6  | 42.8  |       |
| 170     | 23.4 | 18.6  | 27.8  |       |

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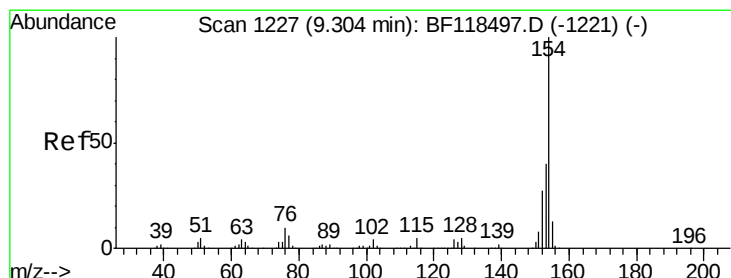
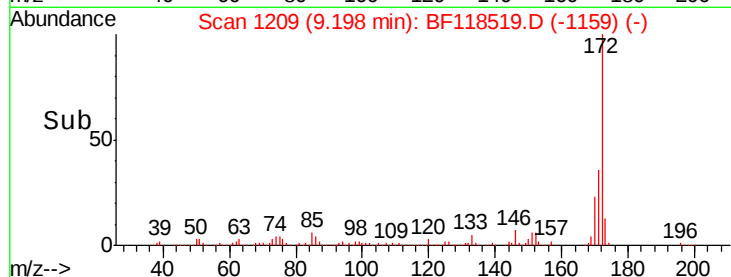
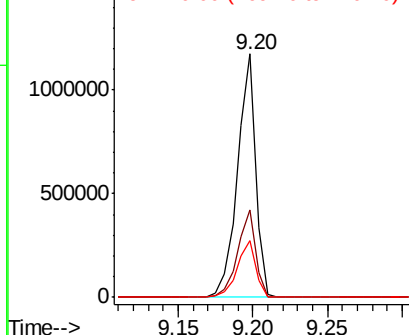


Abundance

Ion 172.00 (171.70 to 172.70): E

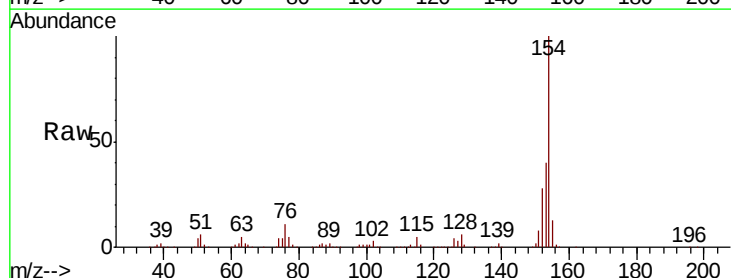
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 41.523 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 154     | 100  |       |       |       |
| 153     | 39.8 | 20.2  | 60.2  |       |
| 76      | 11.3 | 0.0   | 30.4  |       |

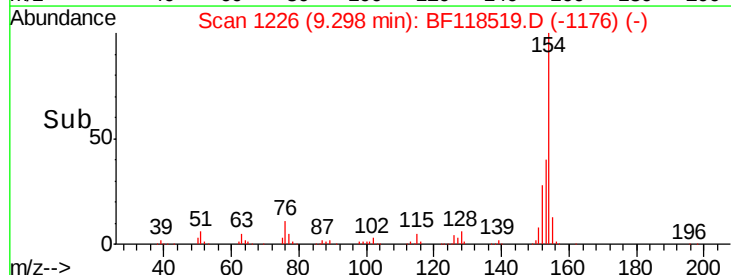
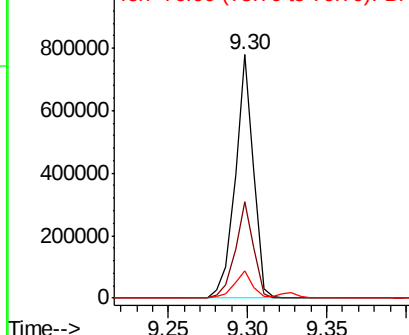


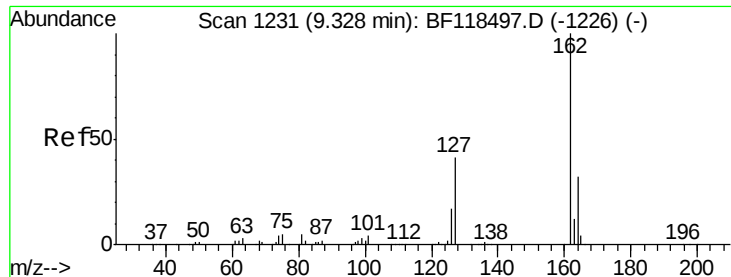
Abundance

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





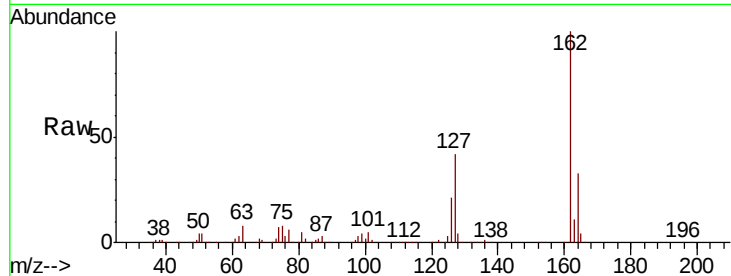
#47  
 2-Chloronaphthalene  
 Concen: 41.017 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.00 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

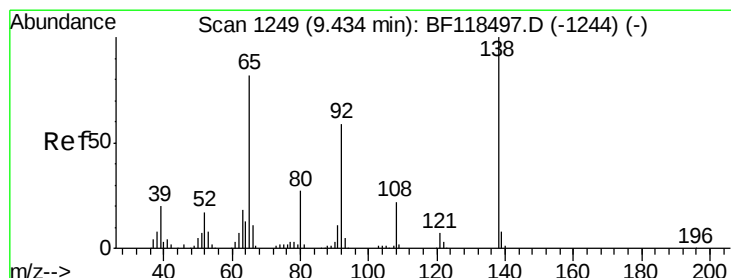
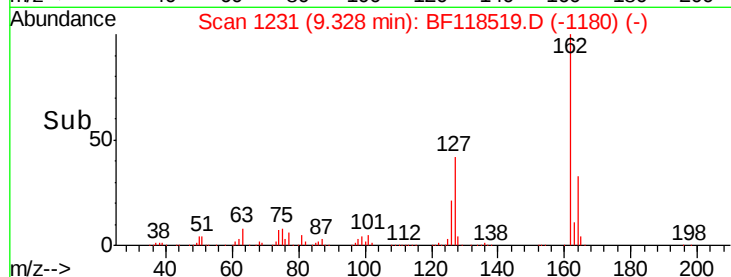
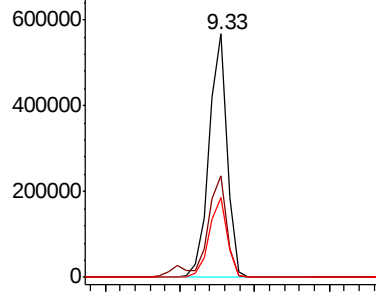
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 481939 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 41.8  | 35.5  | 53.3   |
| 164       | 32.5  | 25.8  | 38.8   |

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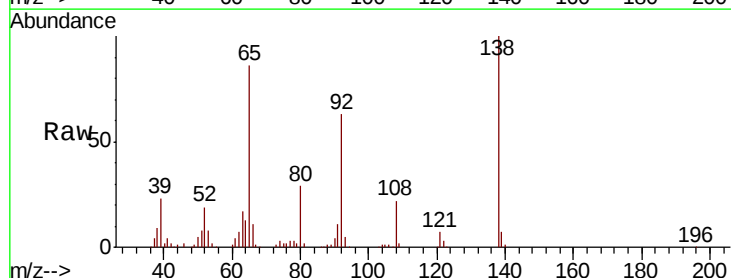


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

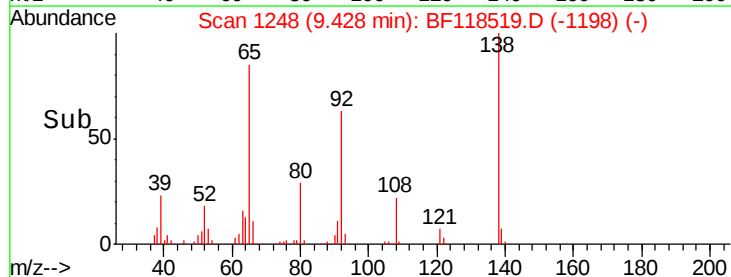
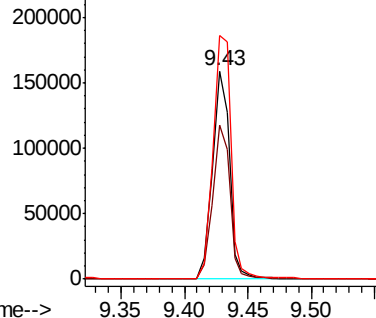


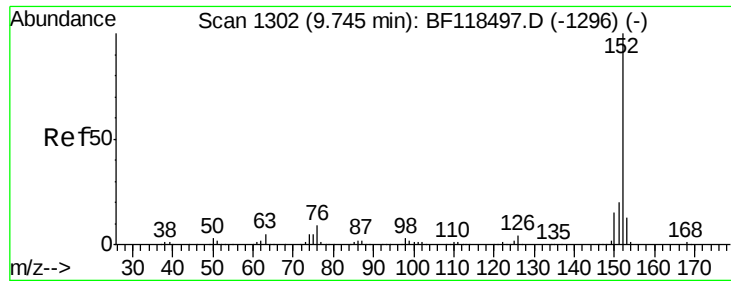
#48  
 2-Nitroaniline  
 Concen: 43.387 ng  
 RT: 9.43 min Scan# 1248  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 147314 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 74.2  | 57.7  | 86.5   |
| 138       | 116.9 | 97.2  | 145.8  |



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





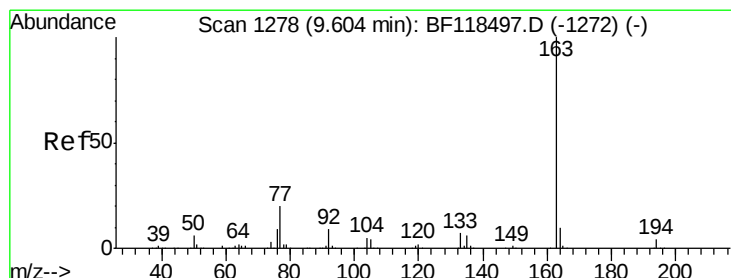
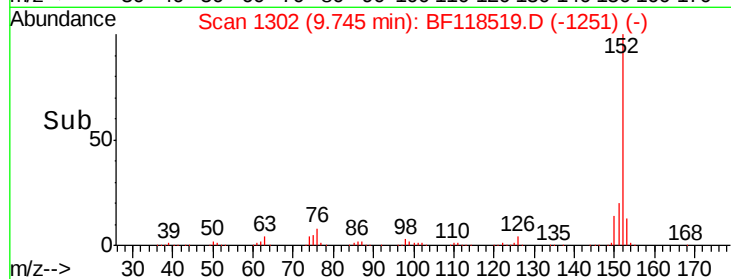
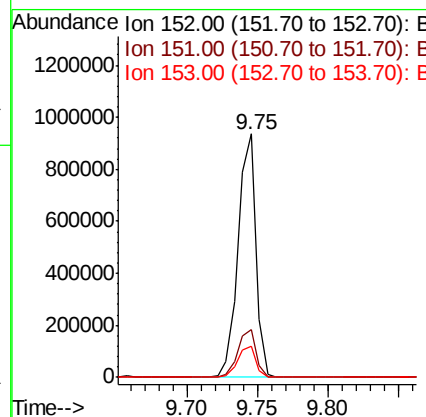
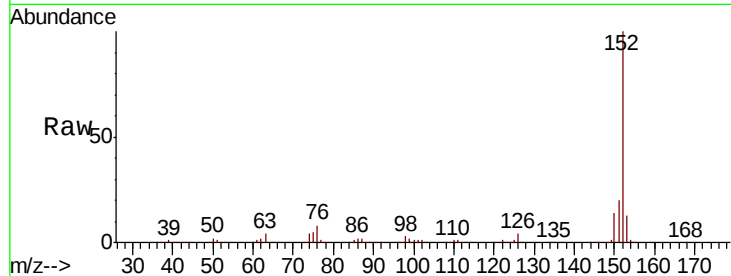
#49  
Acenaphthylene  
Concen: 47.140 ng  
RT: 9.75 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 824478 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.8  | 16.3  | 24.5   |
| 153       | 12.6  | 10.6  | 16.0   |

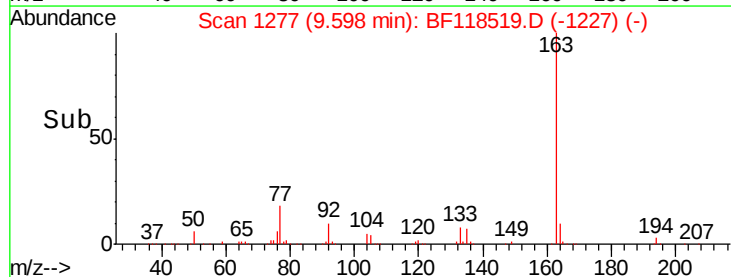
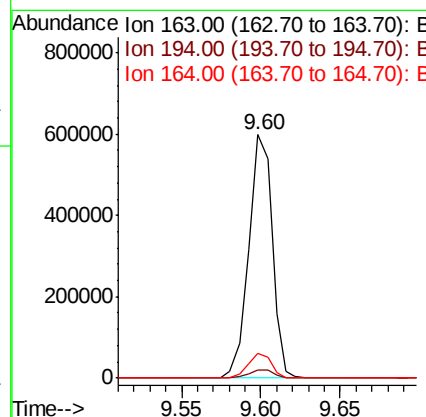
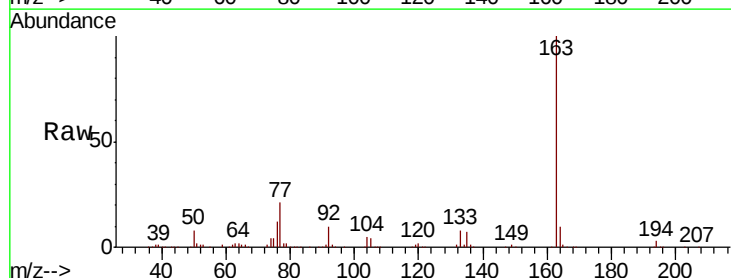
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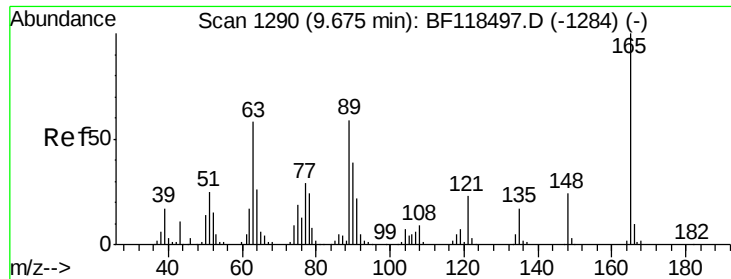
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#50  
Dimethylphthalate  
Concen: 43.993 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 613465 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.4   | 3.0   | 4.6    |
| 164       | 10.4  | 8.1   | 12.1   |





#51

2,6-Dinitrotoluene

Concen: 46.486 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

ClientSampled :

TP-1MS

Tot Ion:165 Resp: 139597  
Ion Ratio Lower Upper

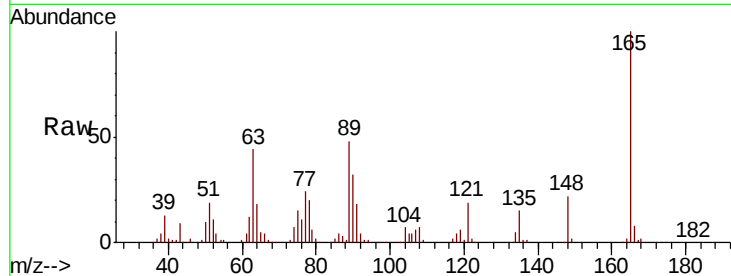
165 100

63 44.2 46.6 70.0#

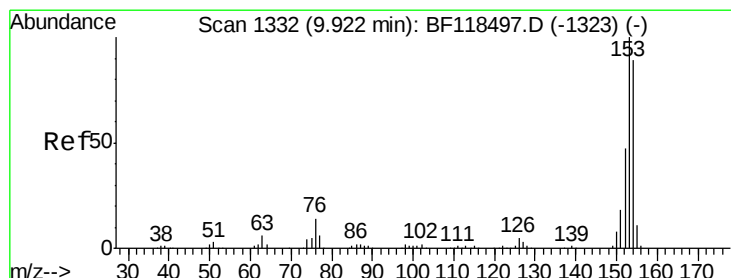
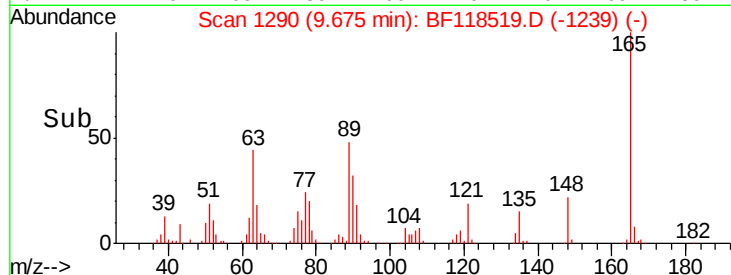
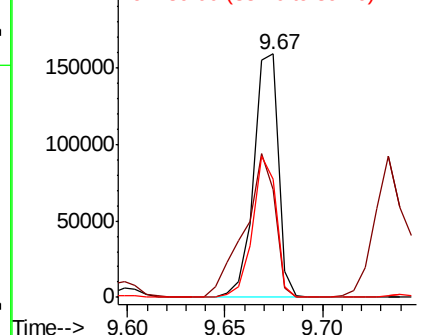
89 48.3 47.5 71.3

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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: 45.670 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118519.D

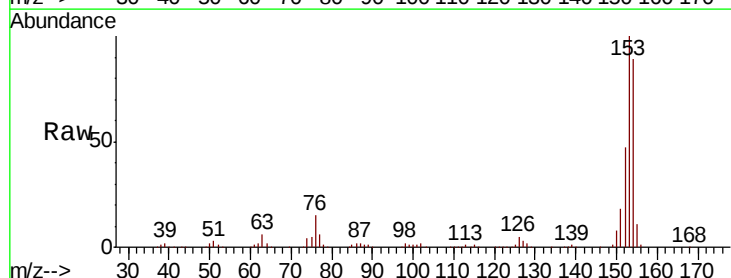
Acq: 10 Jan 2020 17:20

Tgt Ion:154 Resp: 487776  
Ion Ratio Lower Upper

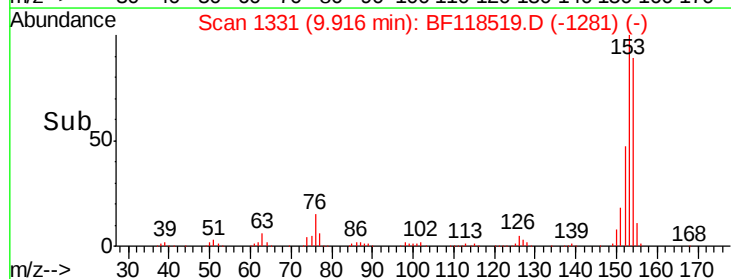
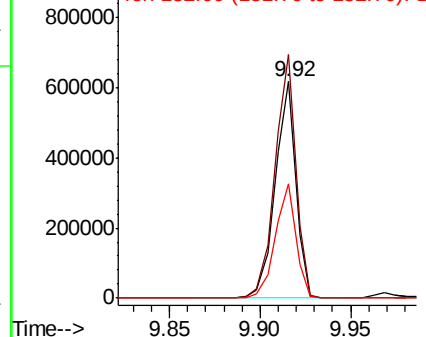
154 100

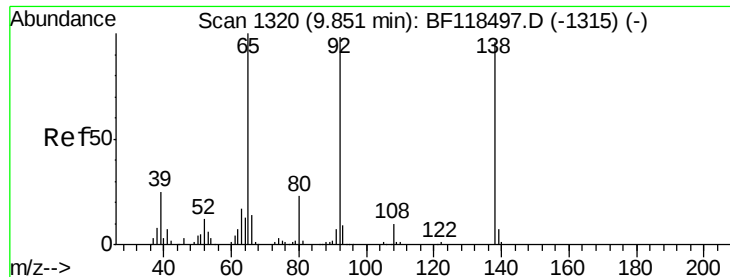
153 112.5 89.7 134.5

152 52.8 41.9 62.9



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





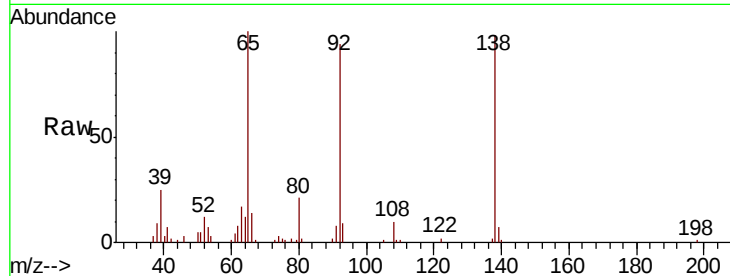
#53  
3-Nitroaniline  
Concen: 11.686 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.0  | 8.1   | 12.1  |
| 92      | 95.9  | 81.6  | 122.4 |

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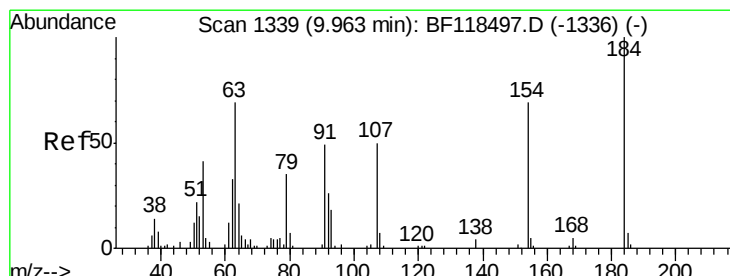
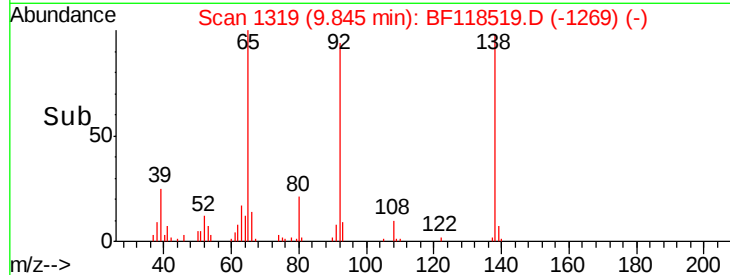
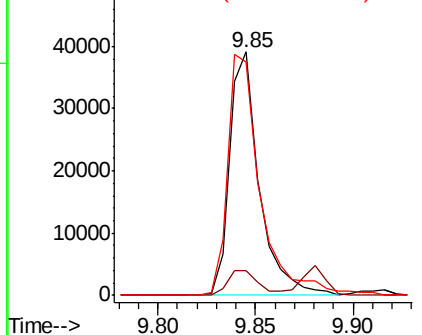


Abundance

Ion 138.00 (137.70 to 138.70): E

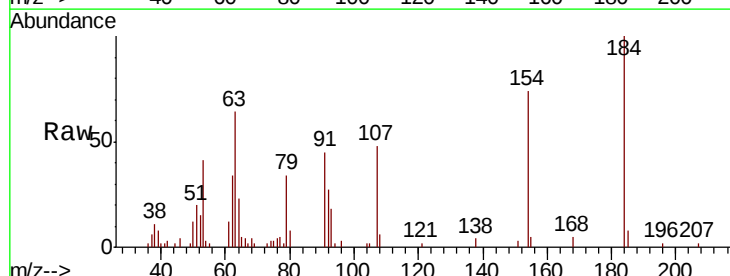
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54  
2,4-Dinitrophenol  
Concen: 24.776 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 64.1  | 55.3  | 82.9  |
| 154     | 74.5  | 55.0  | 82.4  |

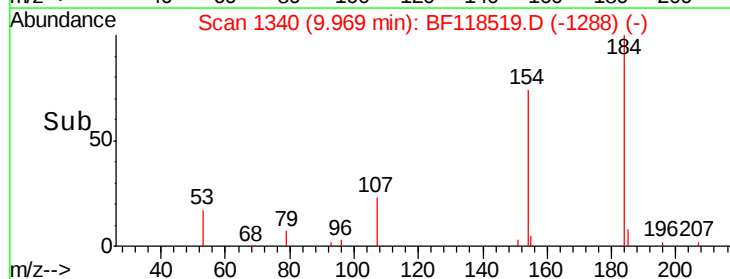
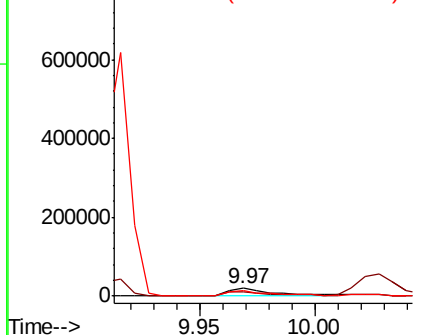


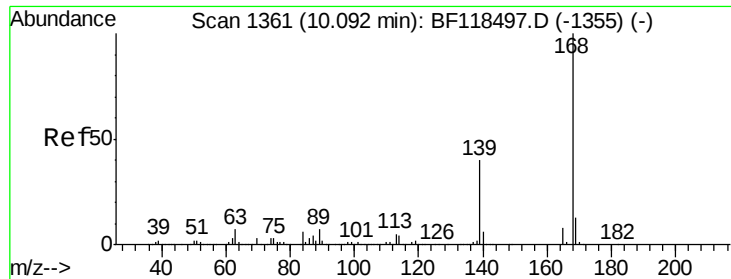
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





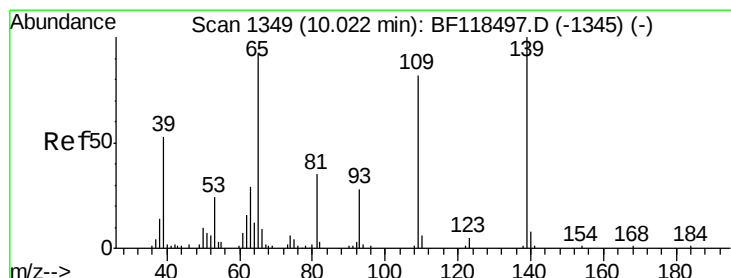
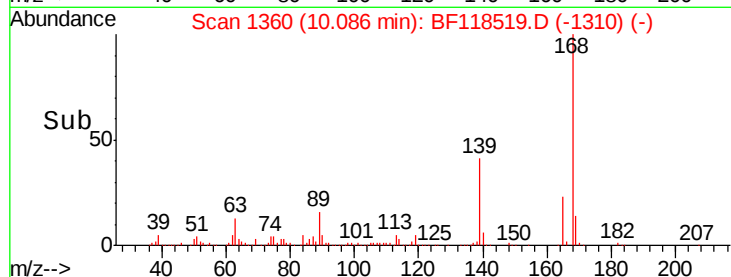
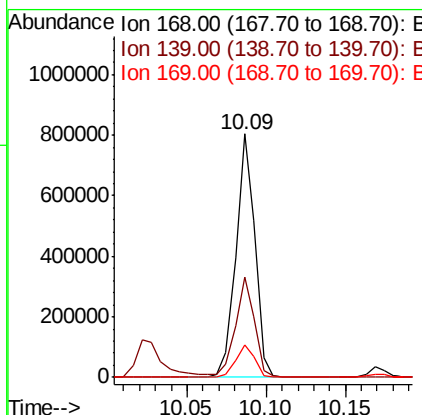
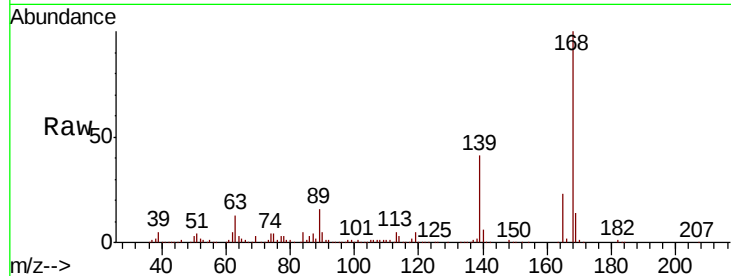
#55  
Dibenzenofuran  
Concen: 41.288 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.0  | 32.5  | 48.7  |
| 169     | 13.5  | 10.6  | 16.0  |

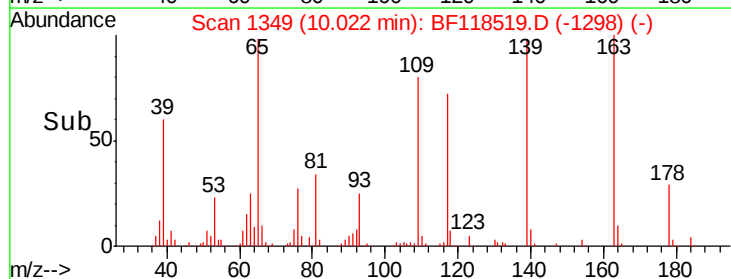
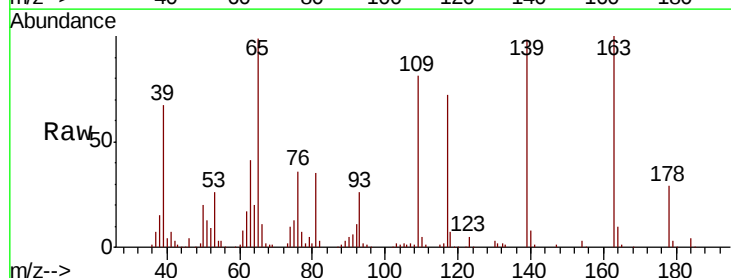
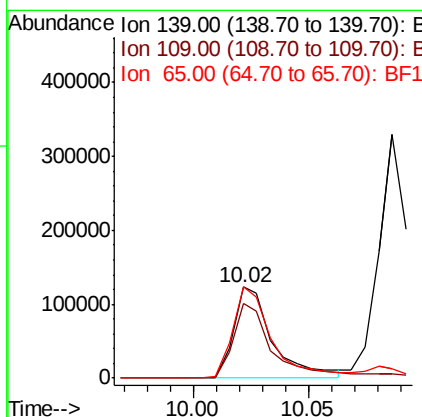
Manual Integrations  
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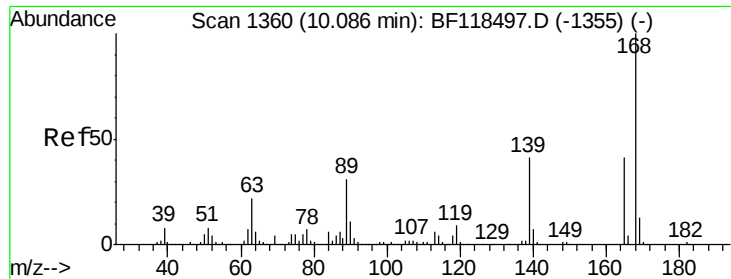
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#56  
4-Nitrophenol  
Concen: 84.901 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 82.2  | 62.2  | 102.2 |
| 65      | 100.9 | 72.8  | 112.8 |





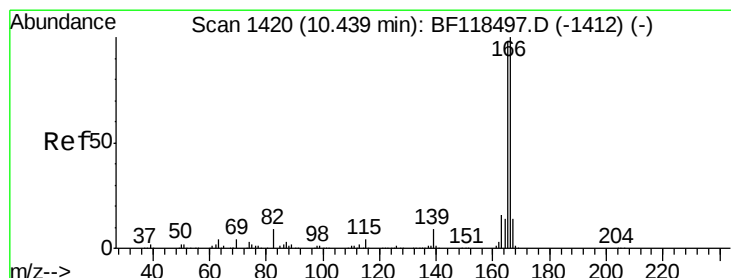
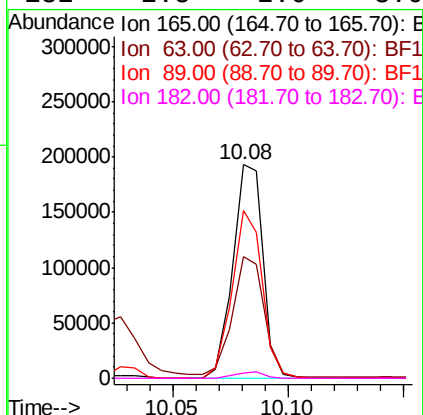
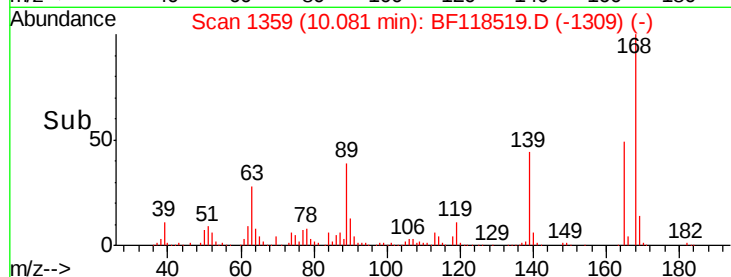
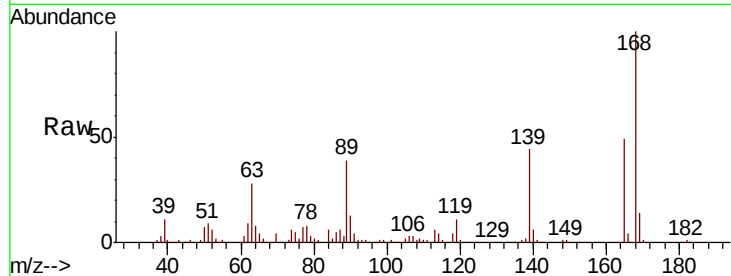
#57  
2,4-Dinitrotoluene  
Concen: 43.740 ng  
RT: 10.08 min Scan# 1359  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 175874 |       |       |
| 63      | 57.1  |        | 44.1  | 66.1  |
| 89      | 78.7  |        | 60.4  | 90.6  |
| 182     | 2.5   |        | 2.0   | 3.0   |

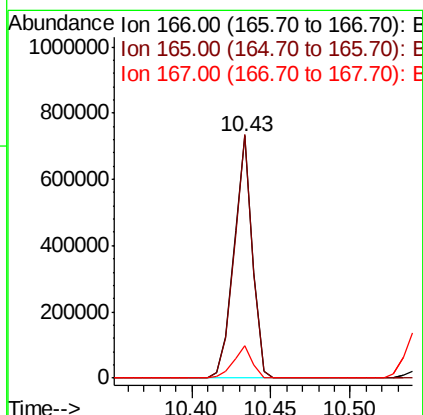
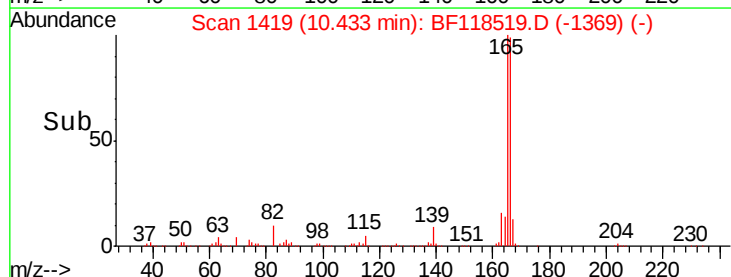
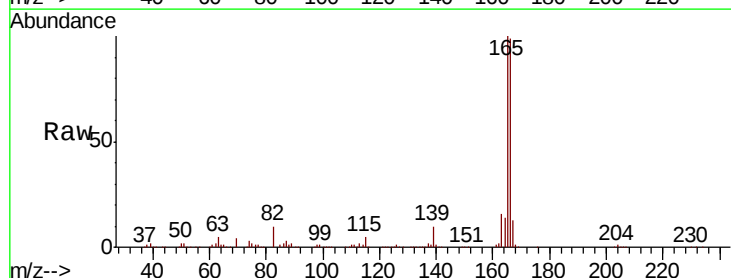
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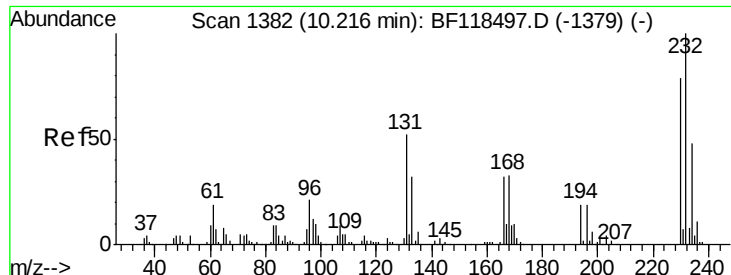
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#58  
Fluorene  
Concen: 45.661 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 588760 |       |       |
| 165     | 100.5 |        | 78.6  | 117.8 |
| 167     | 13.5  |        | 10.8  | 16.2  |





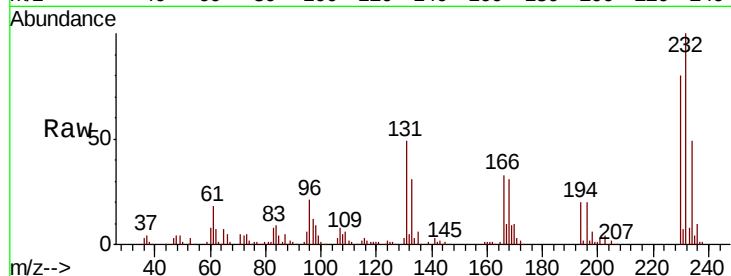
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.992 ng  
RT: 10.22 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 50.8  | 42.2  | 63.4  |
| 130     | 2.8   | 2.1   | 3.1   |
| 166     | 32.9  | 25.7  | 38.5  |

Manual Integrations  
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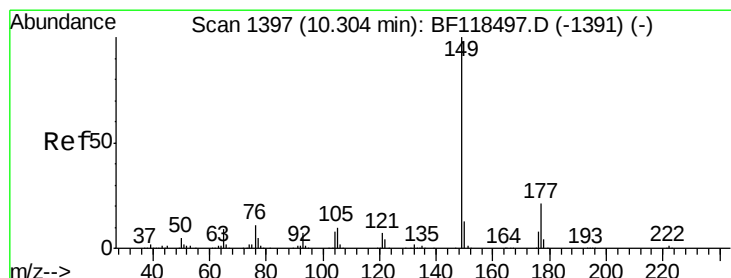
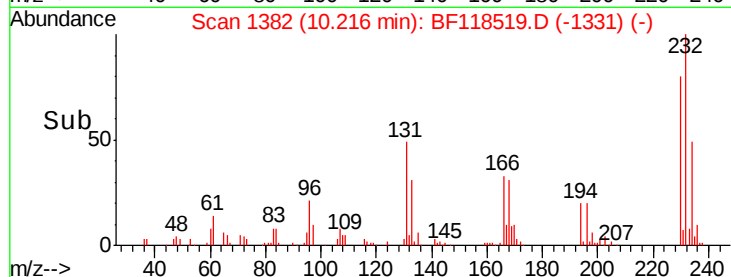
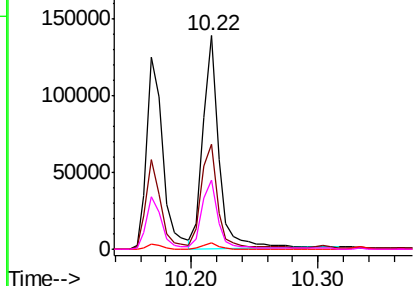
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
Diethylphthalate  
Concen: 41.593 ng  
RT: 10.30 min Scan# 1397  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

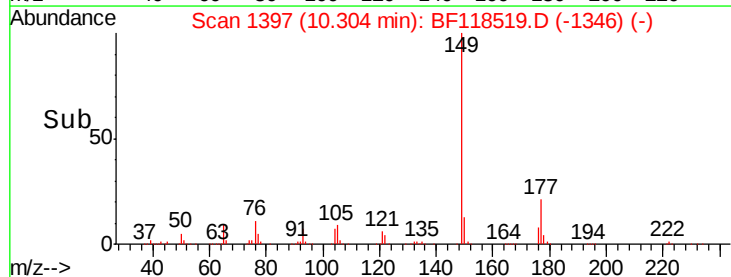
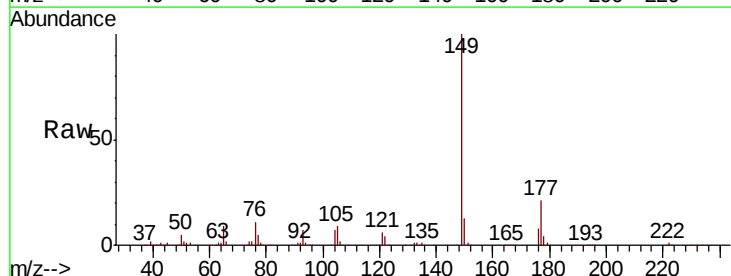
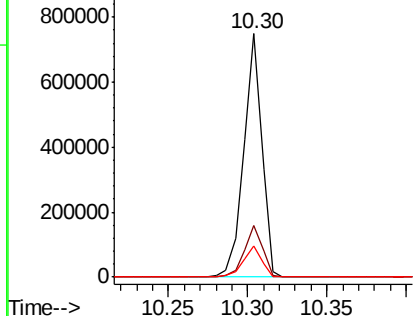
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.2  | 16.5  | 24.7  |
| 150     | 12.7  | 10.2  | 15.2  |

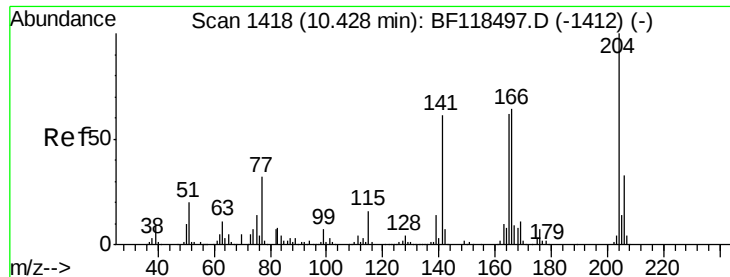
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





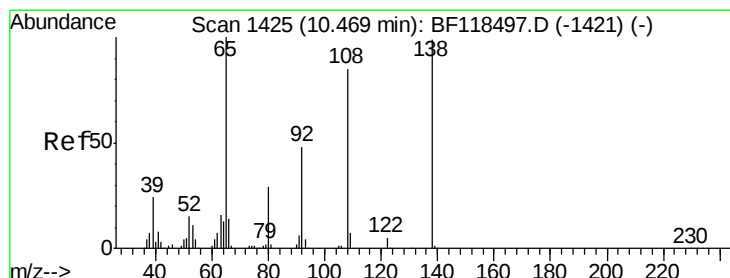
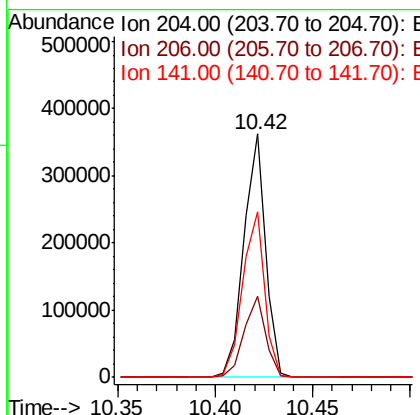
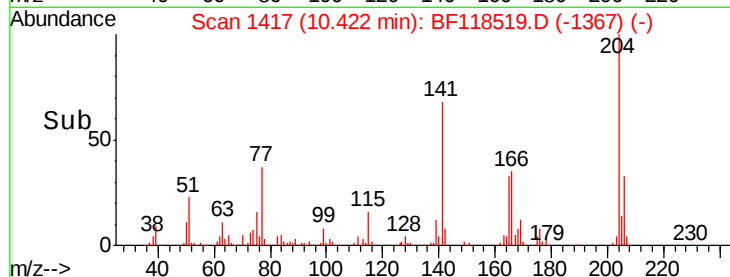
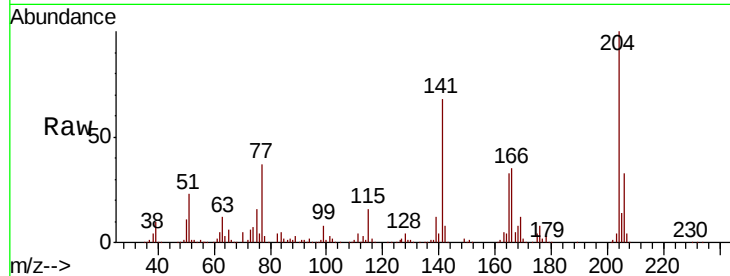
#61  
4-Chlorophenyl-phenylether  
Concen: 43.492 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampled :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.0  | 39.0  |
| 141     | 67.8  | 49.0  | 73.6  |

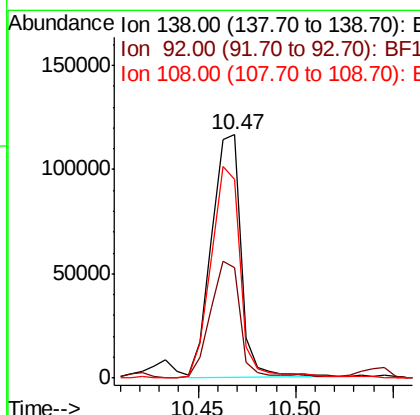
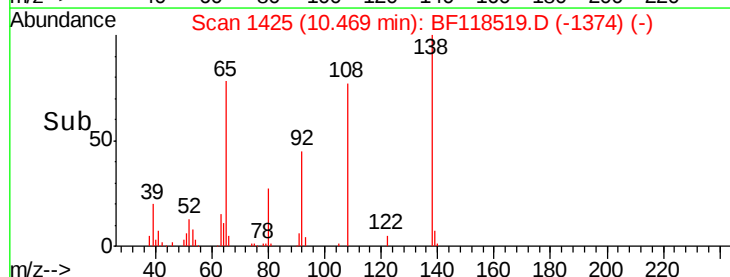
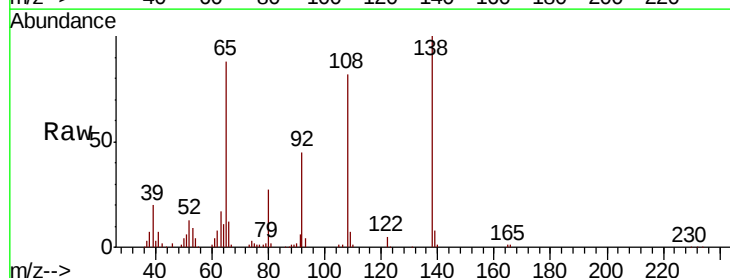
Manual Integrations  
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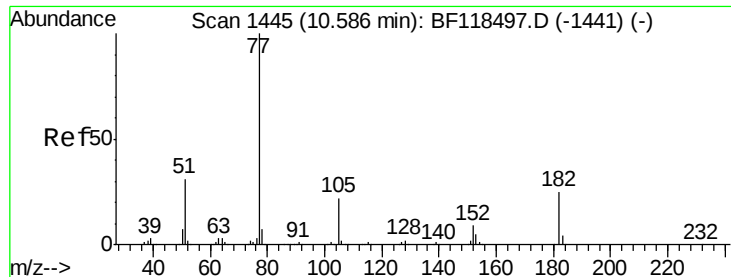
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#62  
4-Nitroaniline  
Concen: 35.383 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 45.4  | 27.9  | 67.9  |
| 108     | 81.7  | 64.7  | 104.7 |





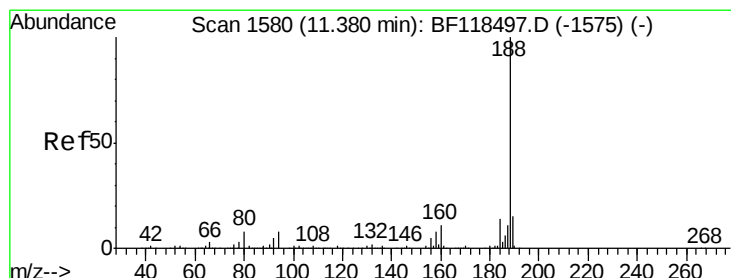
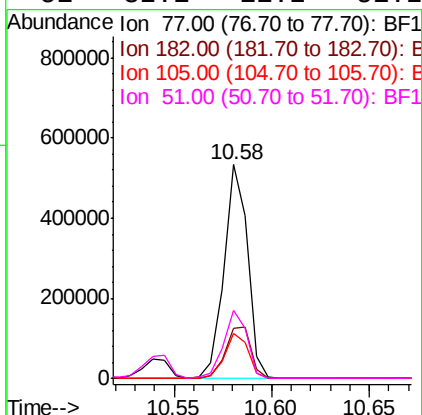
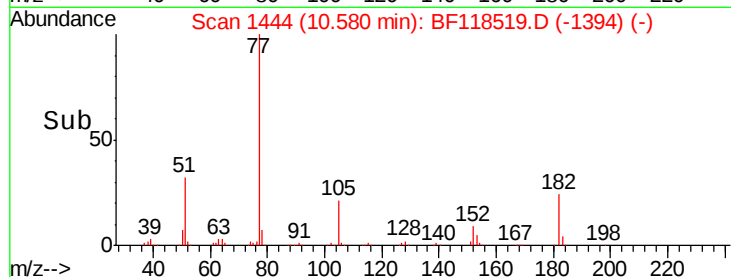
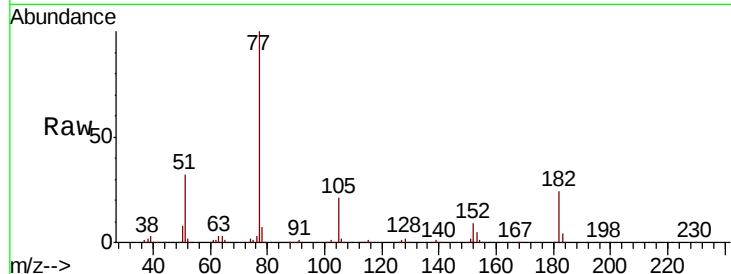
#63  
Azobenzene  
Concen: 37.003 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 23.7 | 5.2   | 45.2  |       |
| 105     | 21.1 | 1.7   | 41.7  |       |
| 51      | 32.1 | 11.2  | 51.2  |       |

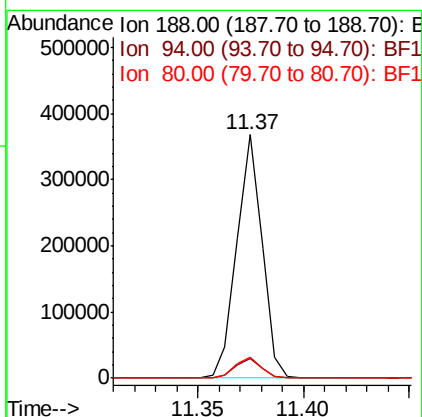
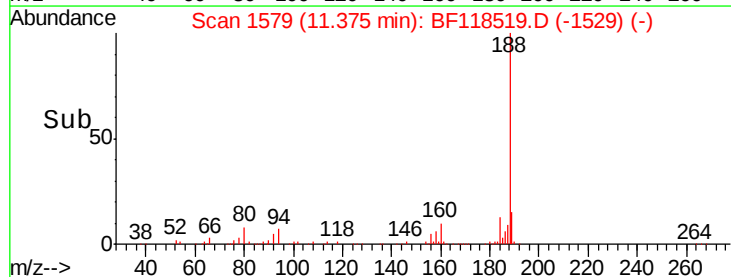
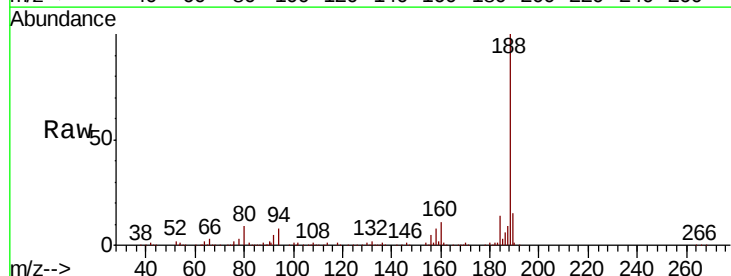
Manual Integrations  
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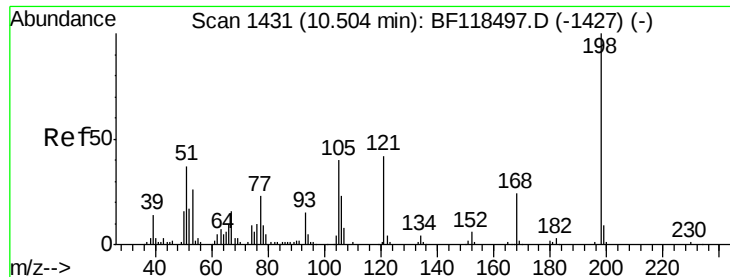
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 100 |       |       |       |
| 94      | 8.1 | 6.2   | 9.4   |       |
| 80      | 8.6 | 6.6   | 10.0  |       |





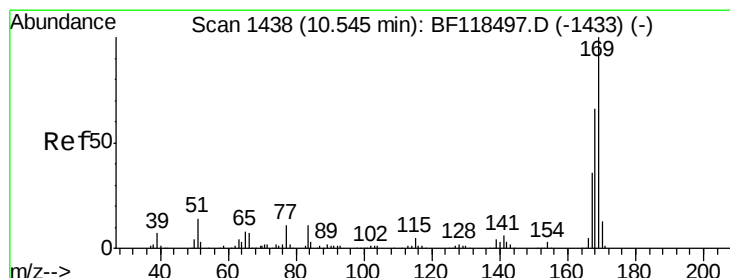
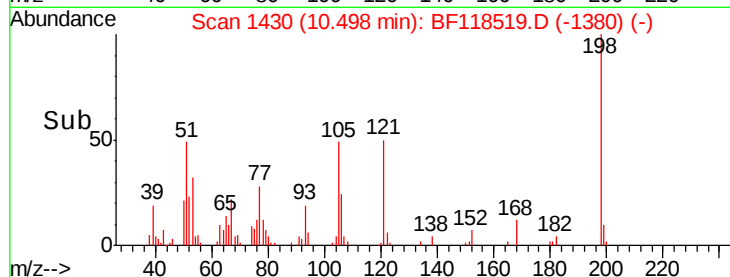
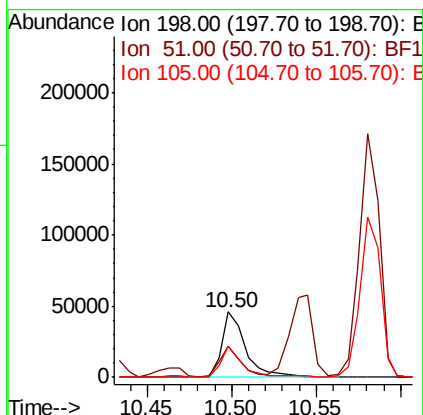
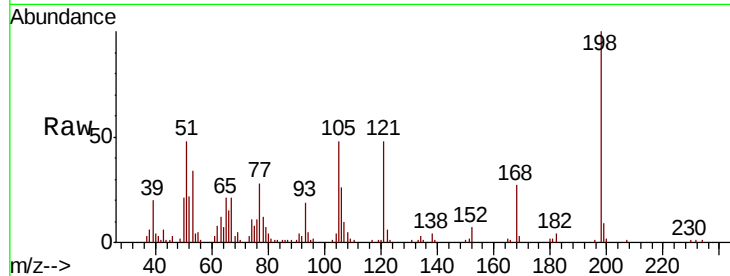
#65  
4,6-Dinitro-2-methylphenol  
Concen: 28.175 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampled :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 47.6  | 17.8  | 57.8  |
| 105     | 47.7  | 20.1  | 60.1  |

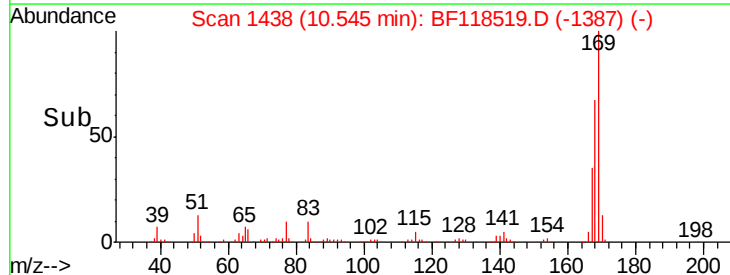
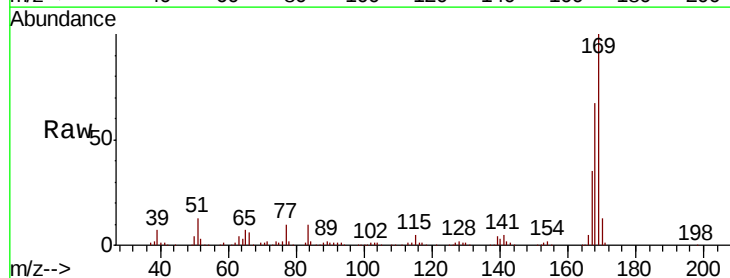
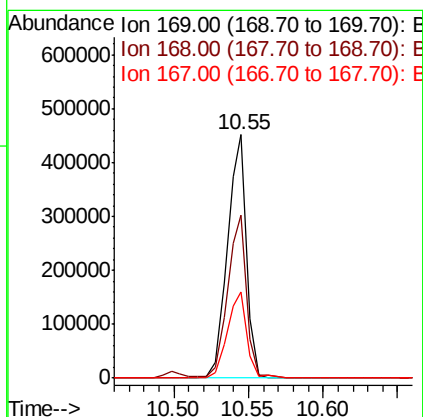
Manual Integrations  
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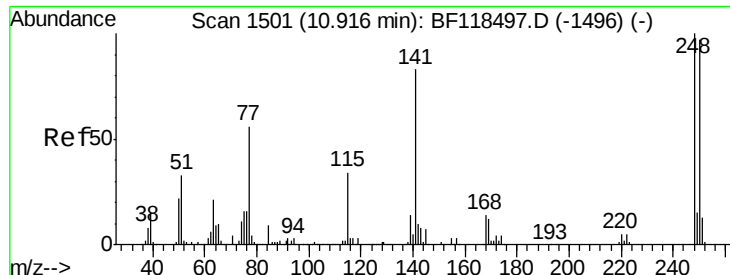
mohammad  
1/13/2020 2:21:41 PM



#66  
n-Nitrosodiphenylamine  
Concen: 41.056 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.2  | 53.4  | 80.2  |
| 167     | 35.2  | 28.9  | 43.3  |





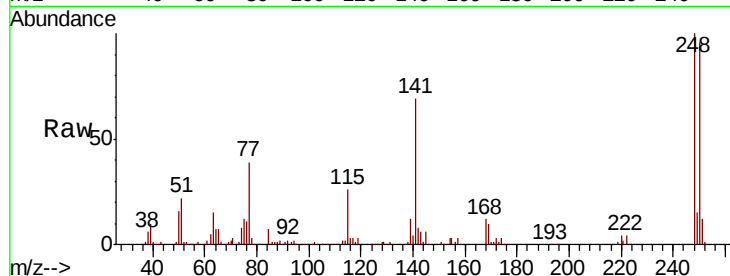
#67  
4-Bromophenyl-phenylether  
Concen: 41.701 ng  
RT: 10.92 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.0  | 77.4  | 116.0 |
| 141     | 69.4  | 66.2  | 99.4  |

Manual Integrations  
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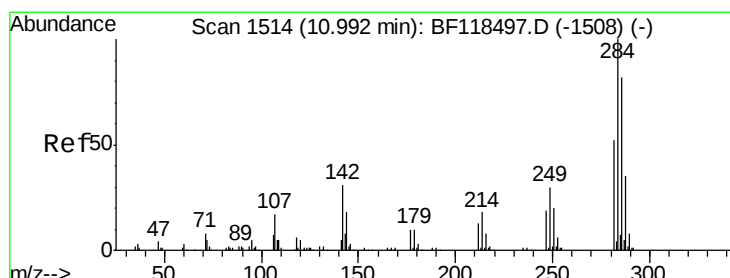
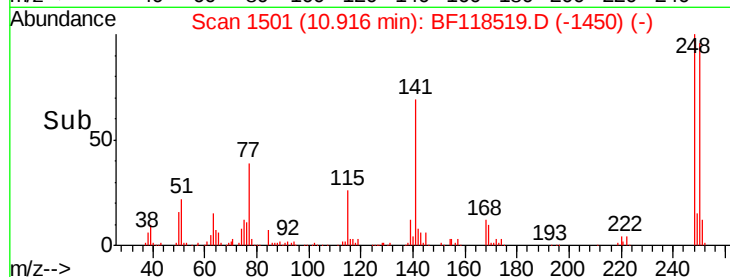
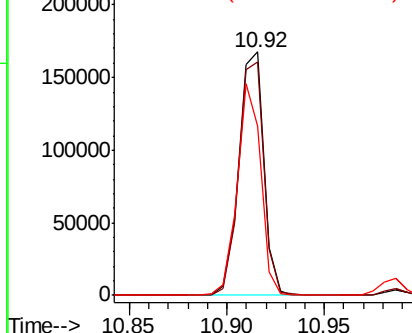


Abundance

Ion 248.00 (247.70 to 248.70): E

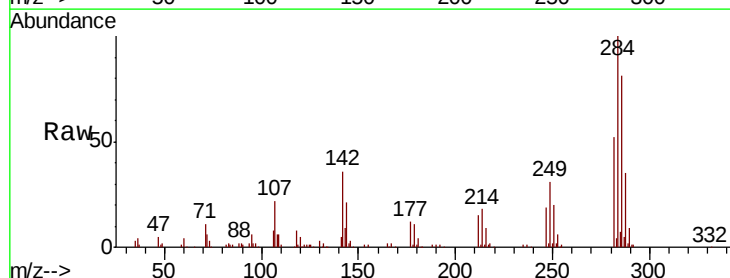
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 40.458 ng  
RT: 10.99 min Scan# 1513  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 36.2  | 24.6  | 37.0  |
| 249     | 31.0  | 24.0  | 36.0  |

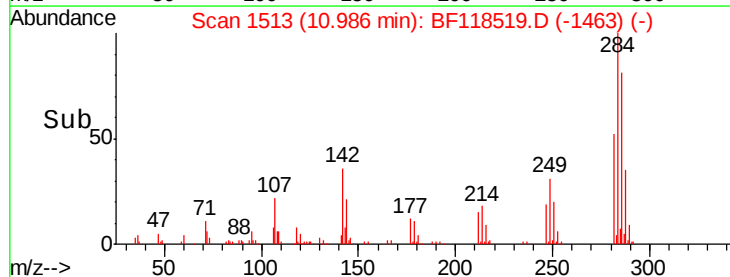
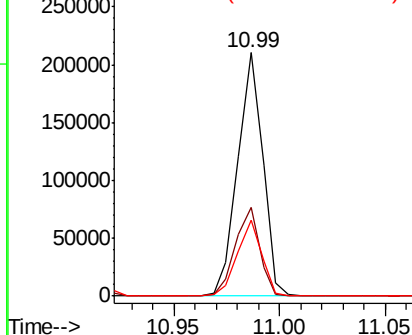


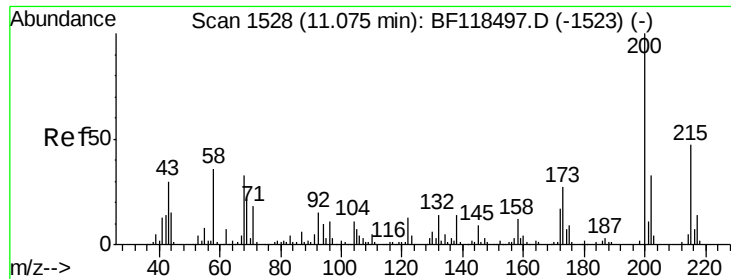
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





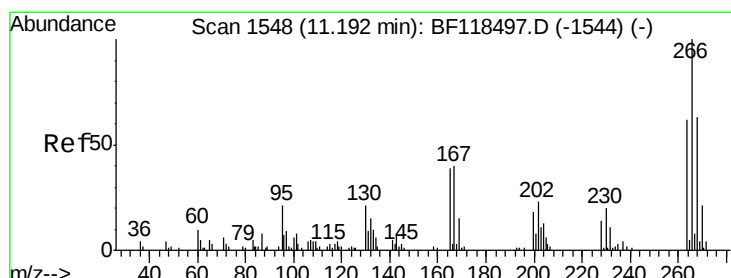
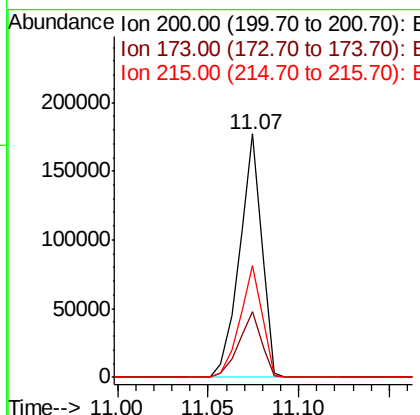
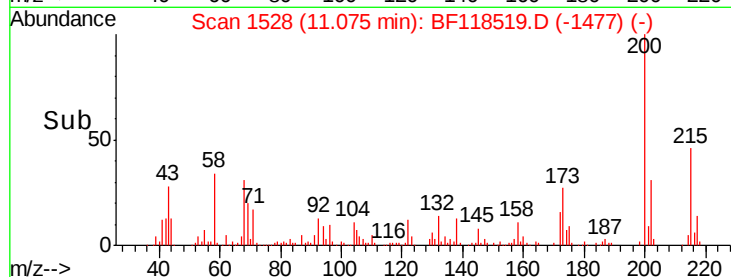
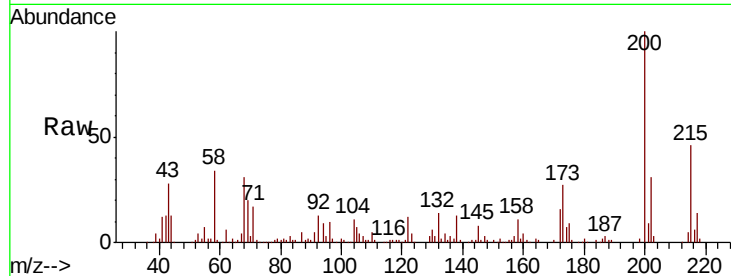
#69  
Atrazine  
Concen: 50.944 ng  
RT: 11.07 min Scan# 1528  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 150268 |       |       |
| 173     | 26.8  | 7.0    | 47.0  |       |
| 215     | 45.7  | 27.0   | 67.0  |       |

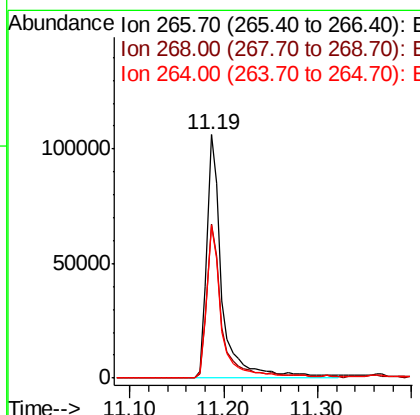
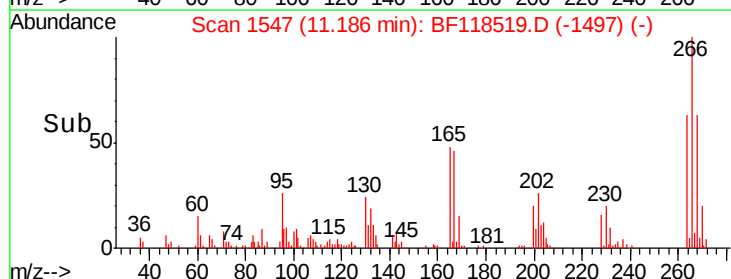
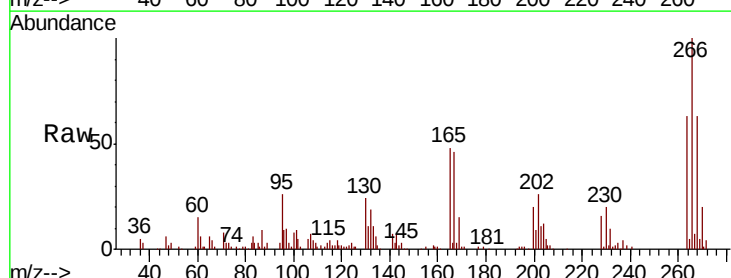
Manual Integrations  
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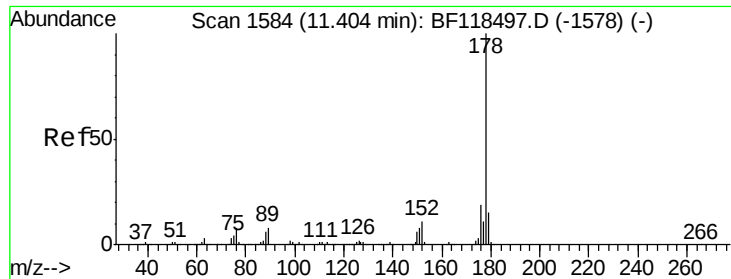
mohammad  
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#70  
Pentachlorophenol  
Concen: 87.475 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 122718 |       |       |
| 268     | 63.0  | 50.2   | 75.2  |       |
| 264     | 62.7  | 49.4   | 74.0  |       |





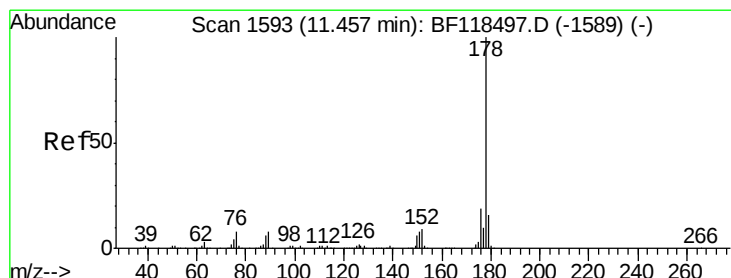
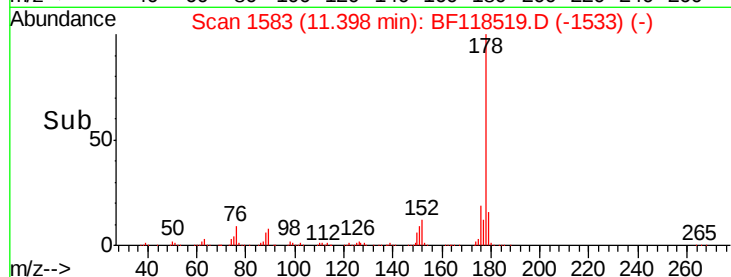
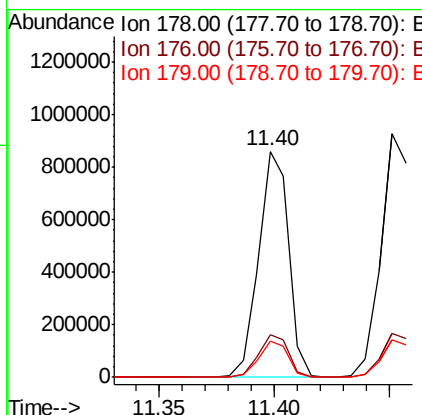
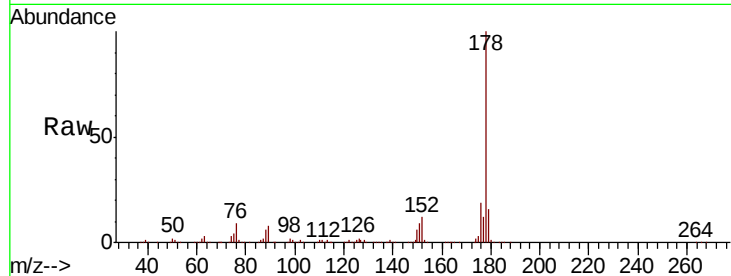
#71  
Phenanthrene  
Concen: 45.792 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.2  | 22.8  |
| 179     | 16.0  | 12.3  | 18.5  |

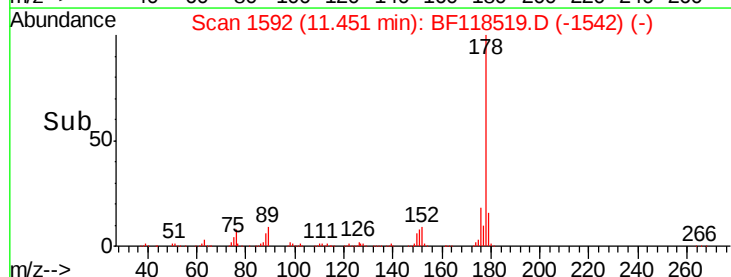
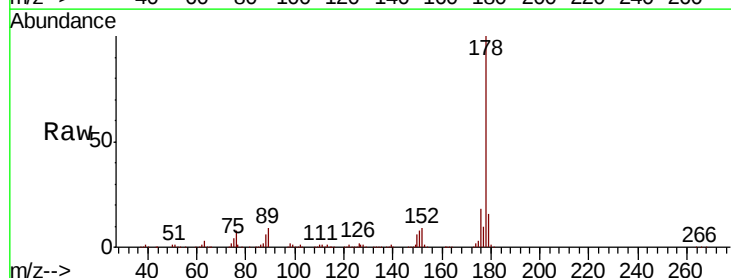
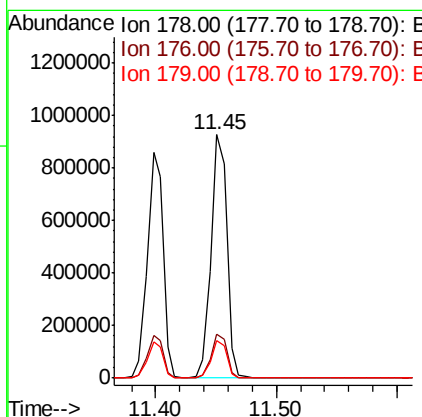
Manual Integrations  
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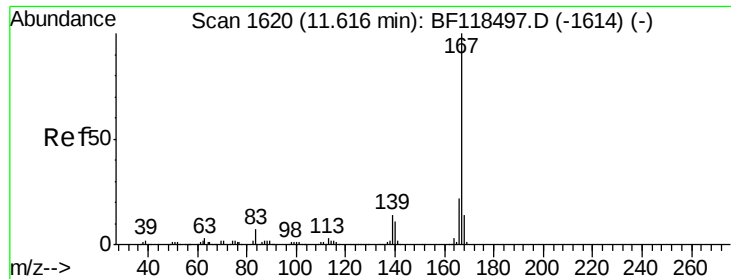
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#72  
Anthracene  
Concen: 49.009 ng  
RT: 11.45 min Scan# 1592  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 15.0  | 22.4  |
| 179     | 15.6  | 12.6  | 19.0  |





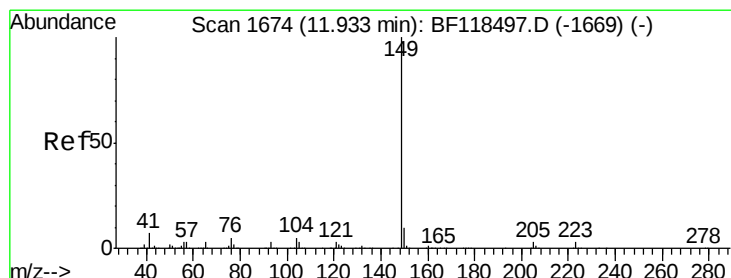
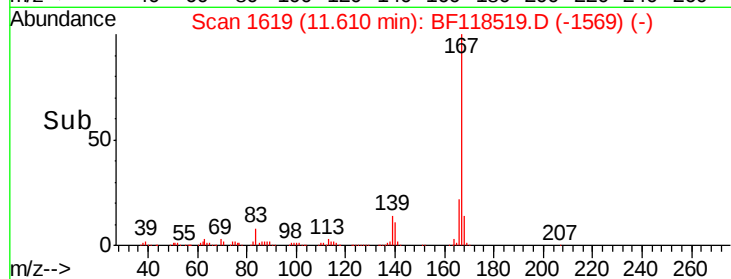
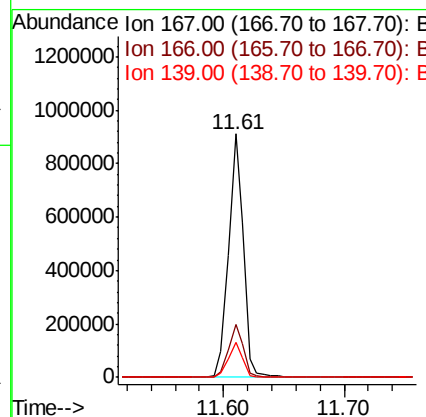
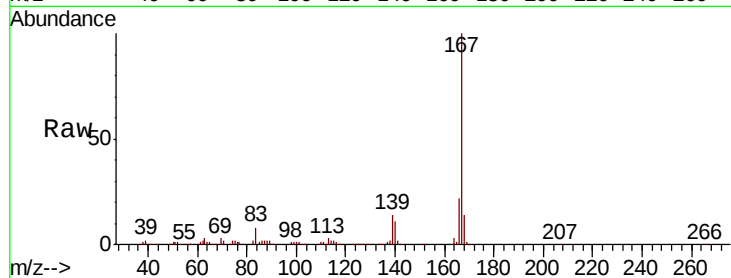
#73  
 Carbazole  
 Concen: 52.214 ng  
 RT: 11.61 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 768365 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 21.7  | 17.4  | 26.2   |
| 139       | 14.1  | 10.9  | 16.3   |

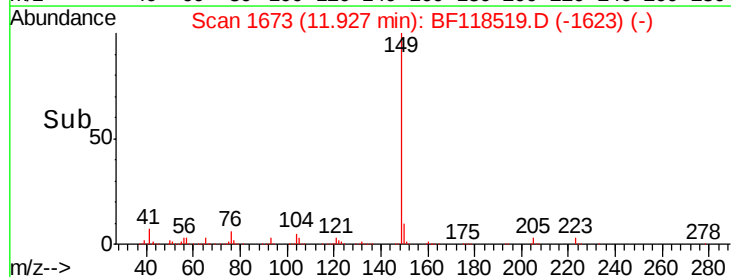
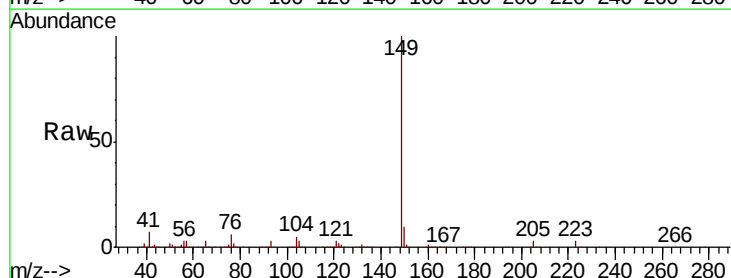
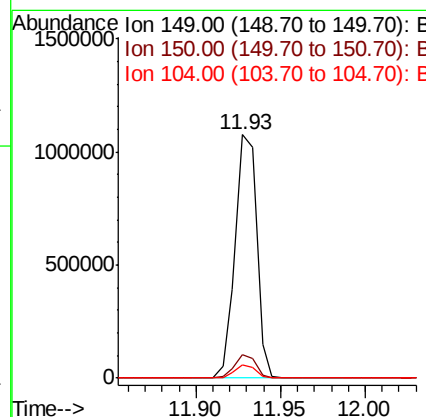
Manual Integrations  
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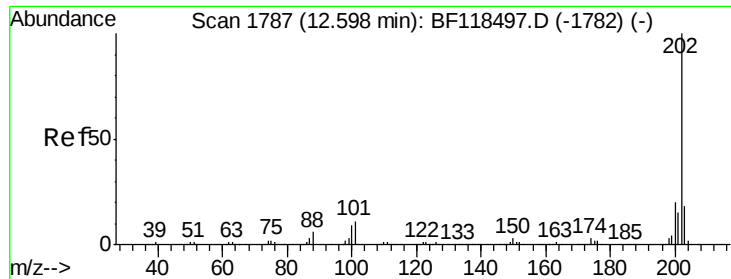
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#74  
 Di-n-butylphthalate  
 Concen: 48.669 ng  
 RT: 11.93 min Scan# 1673  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 955485 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.6   | 7.8   | 11.8   |
| 104       | 5.5   | 4.2   | 6.4    |





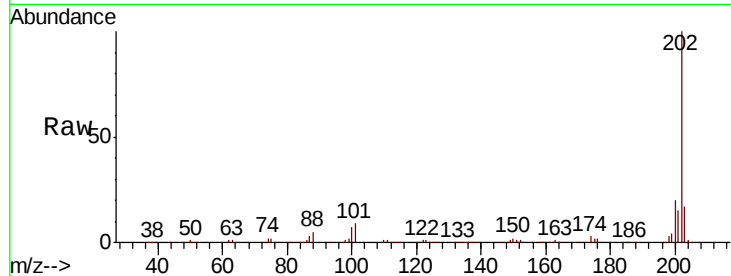
#75  
 Fluoranthene  
 Concen: 45.734 ng  
 RT: 12.60 min Scan# 1787  
 Delta R.T. -0.00 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 9.0   | 0.0        | 31.4  |
| 203     | 17.2  | 0.0        | 38.1  |

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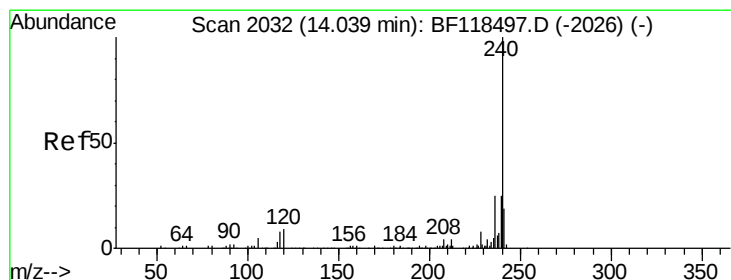
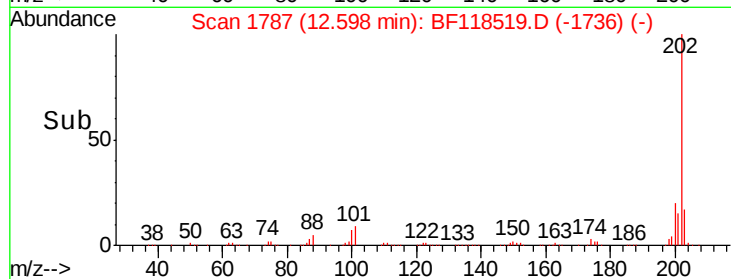
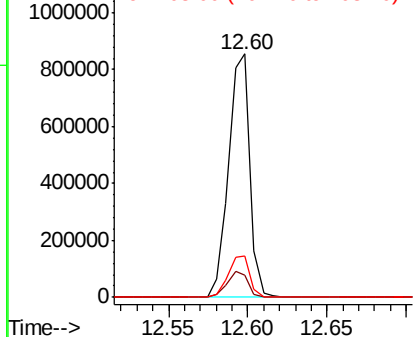


Abundance

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: 14.03 min Scan# 2031  
 Delta R.T. -0.01 min  
 Lab File: BF118519.D  
 Acq: 10 Jan 2020 17:20

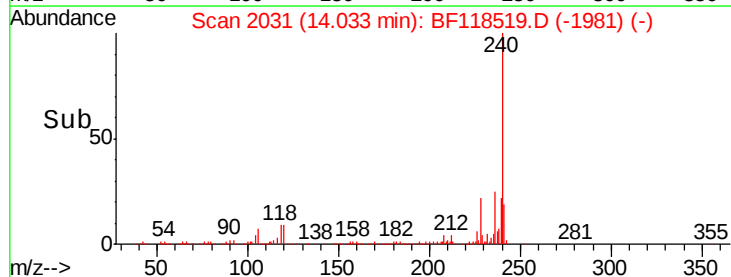
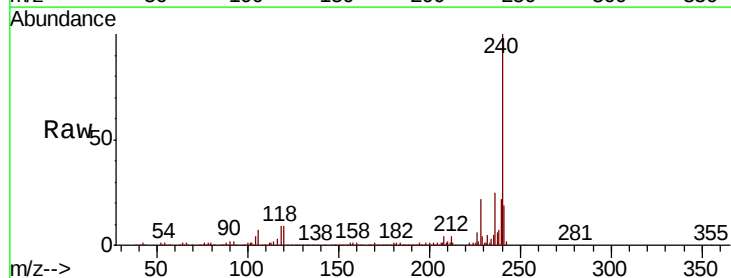
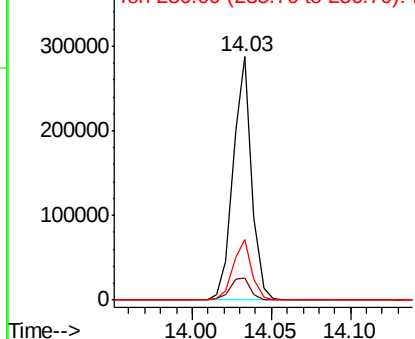
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 9.4   | 7.0        | 10.6  |
| 236     | 25.0  | 20.1       | 30.1  |

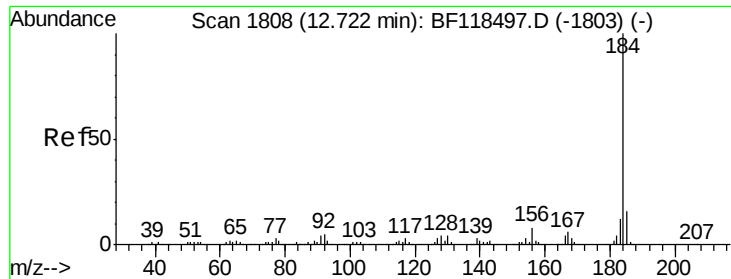
Abundance

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: 42.955 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

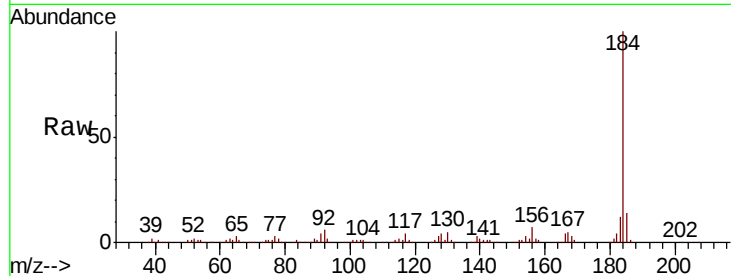
ClientSampleId :

TP-1MS

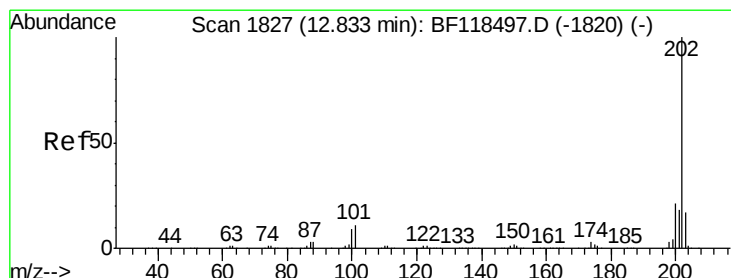
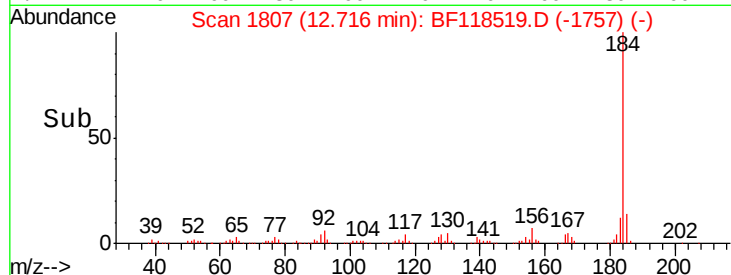
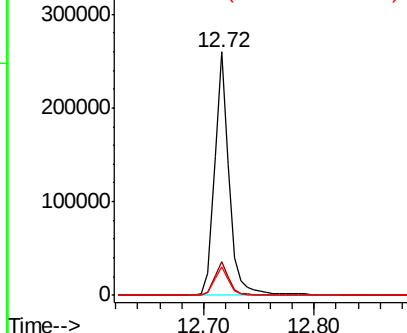
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 234402 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.7  | 12.6  | 18.8   |
| 183       | 11.7  | 9.3   | 13.9   |

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



#78

Pyrene

Concen: 43.469 ng

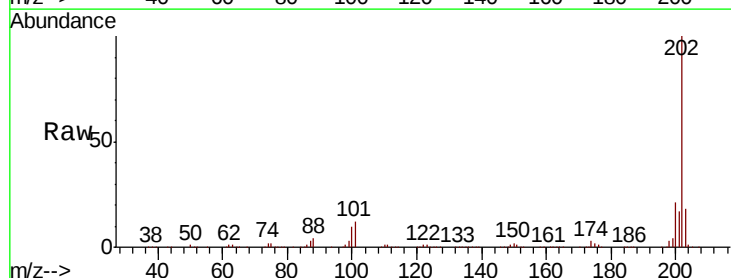
RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

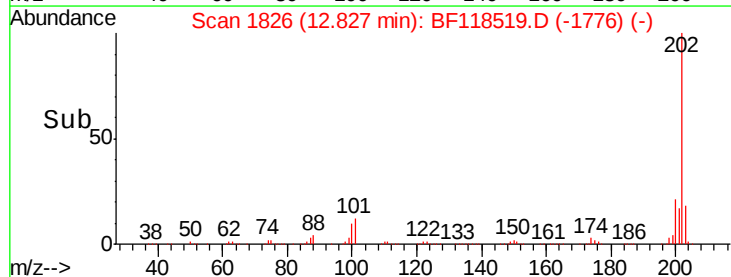
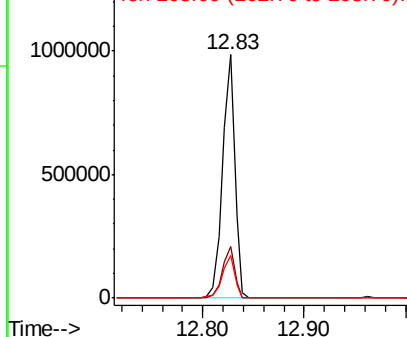
Lab File: BF118519.D

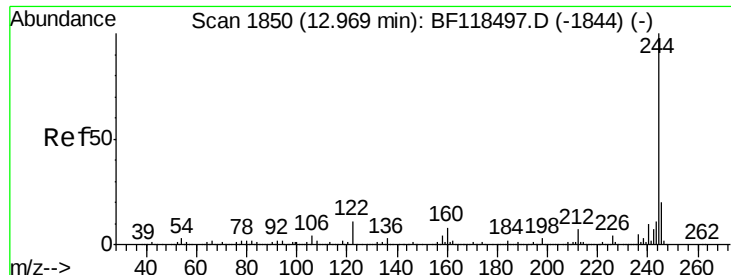
Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 827013 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.2  | 16.9  | 25.3   |
| 203       | 17.5  | 13.9  | 20.9   |



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





#79

Terphenyl-d14

Concen: 93.743 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tot Ion:244 Resp: 1367915

Ion Ratio Lower Upper

244 100

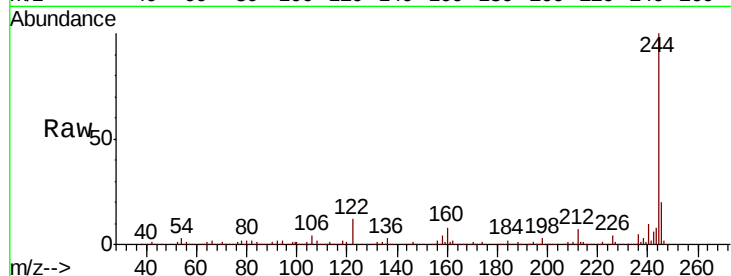
212 6.9 5.6 8.4

122 11.9 9.0 13.6

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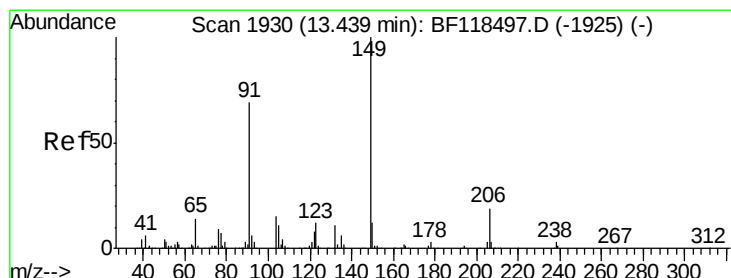
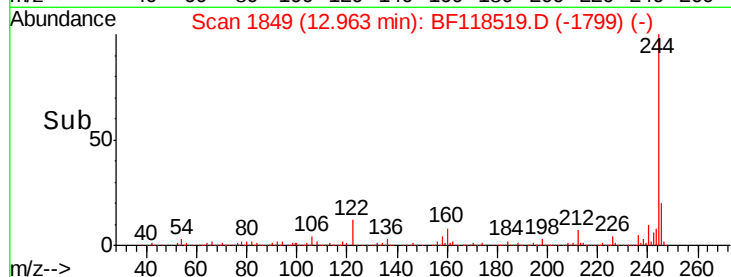
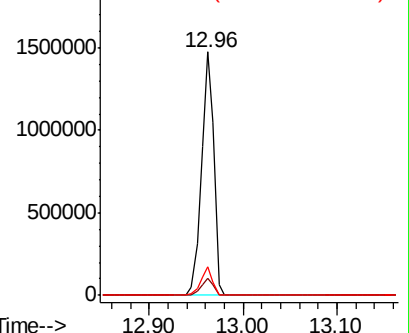
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.391 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

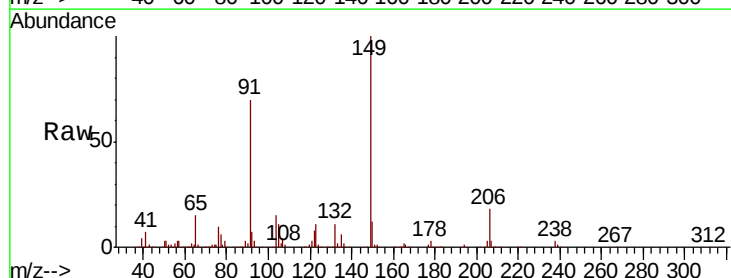
Tgt Ion:149 Resp: 378070

Ion Ratio Lower Upper

149 100

91 70.3 55.2 82.8

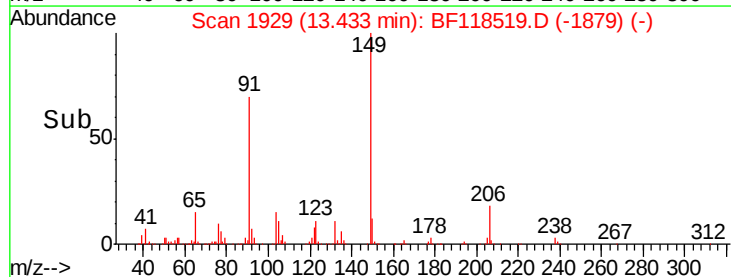
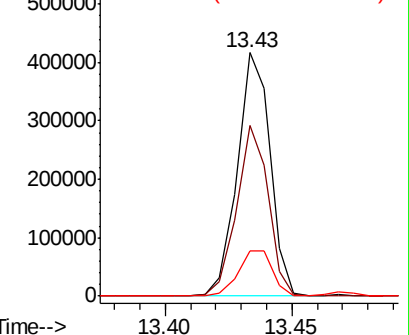
206 18.5 15.1 22.7

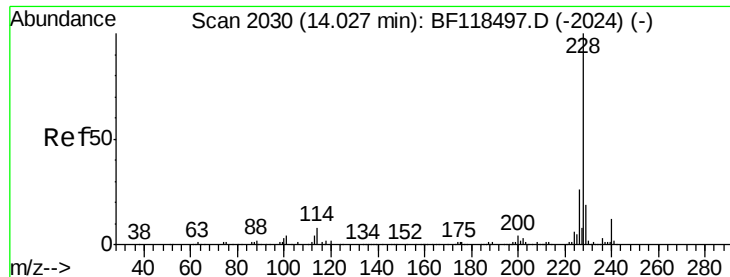


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





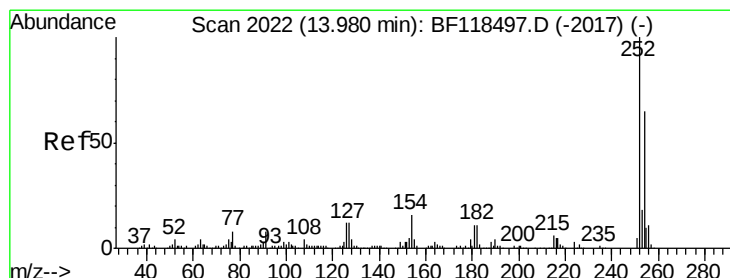
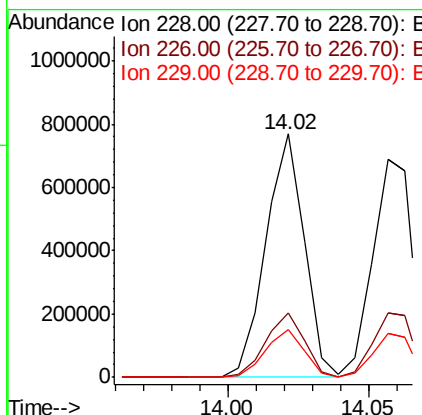
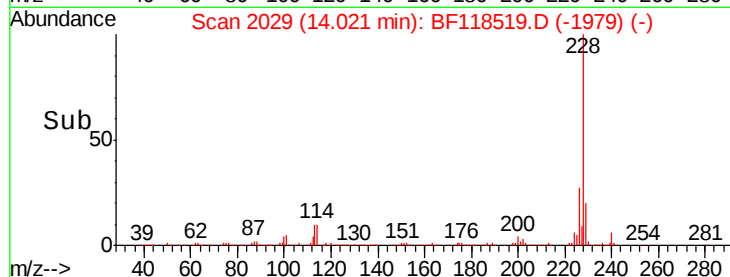
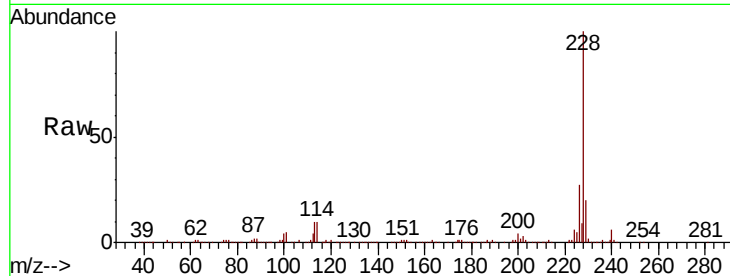
#81  
Benzo(a)anthracene  
Concen: 44.802 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampled :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.6  | 20.7  | 31.1  |
| 229     | 19.9  | 15.4  | 23.2  |

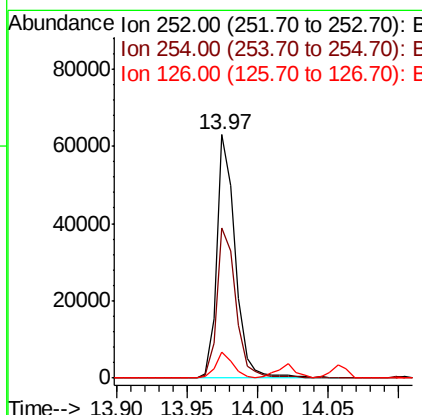
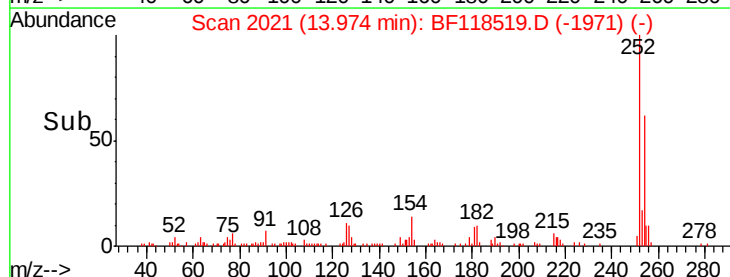
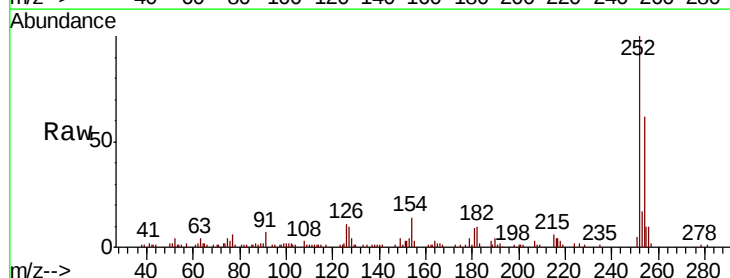
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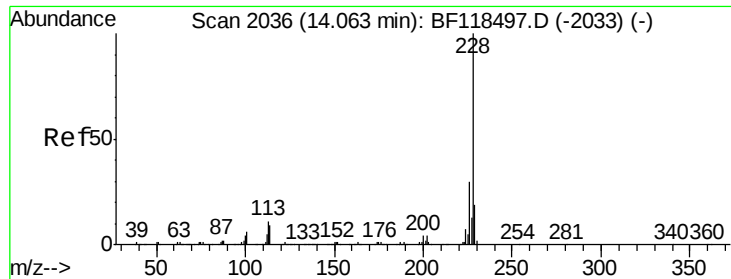
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#82  
3,3'-Dichlorobenzidine  
Concen: 10.860 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.9  | 52.1  | 78.1  |
| 126     | 10.8  | 9.6   | 14.4  |





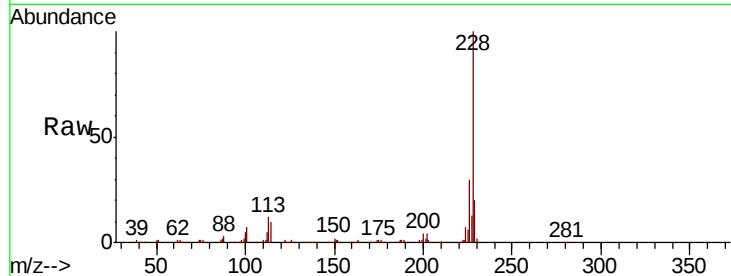
#83  
Chrysene  
Concen: 42.543 ng  
RT: 14.06 min Scan# 2035  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.7  | 23.6  | 35.4  |
| 229     | 20.0  | 15.6  | 23.4  |

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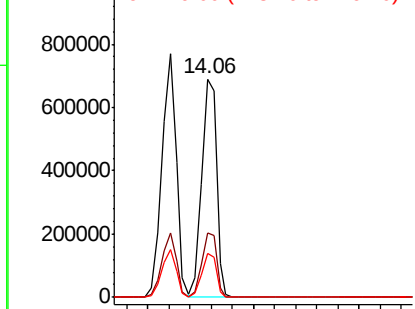


Abundance

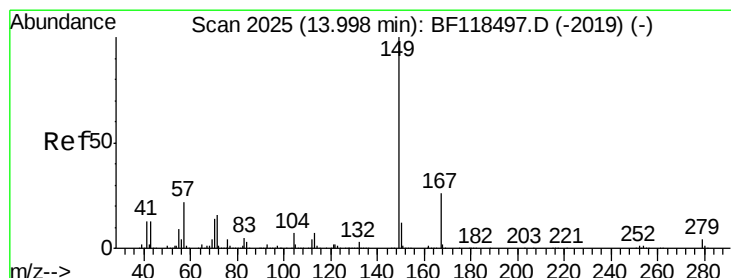
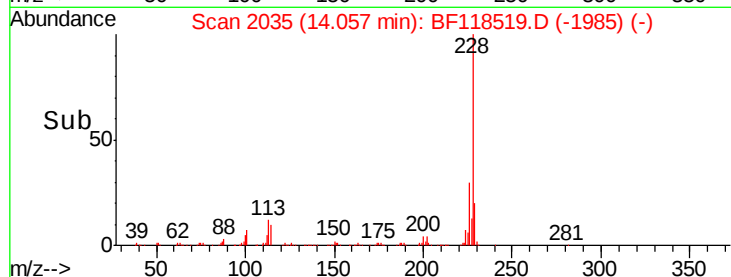
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

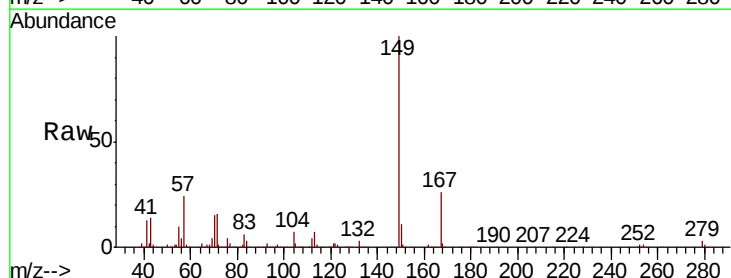


Time-->



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.402 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.7  | 20.6  | 30.8  |
| 279     | 3.5   | 3.1   | 4.7   |

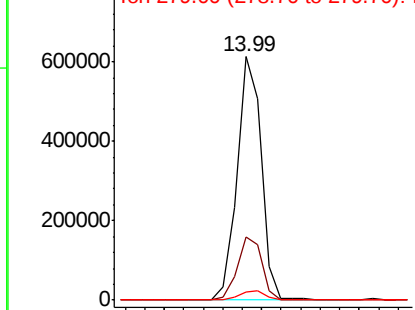


Abundance

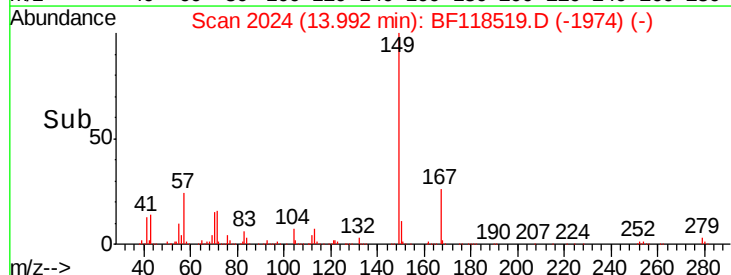
Ion 149.00 (148.70 to 149.70): E

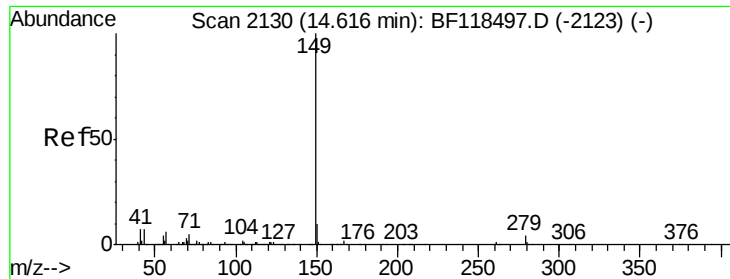
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#85

Di-n-octyl phthalate

Concen: 52.670 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

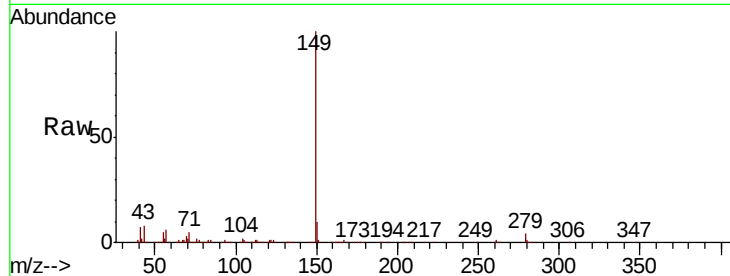
ClientSampleId :

TP-1MS

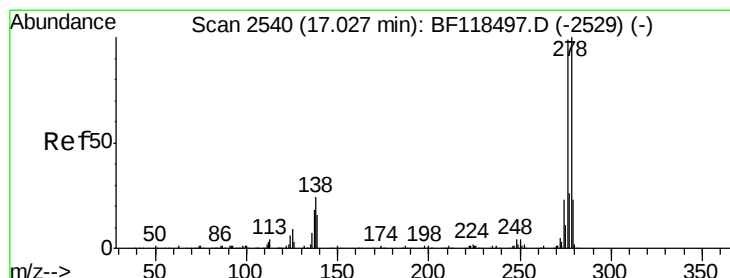
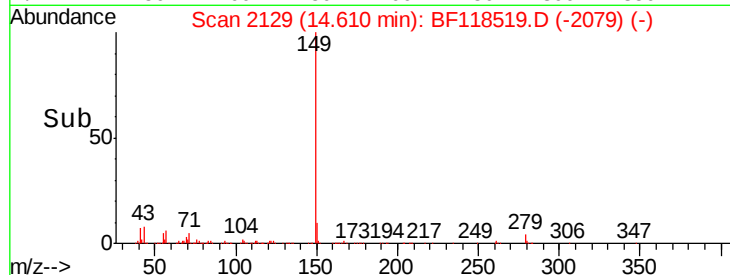
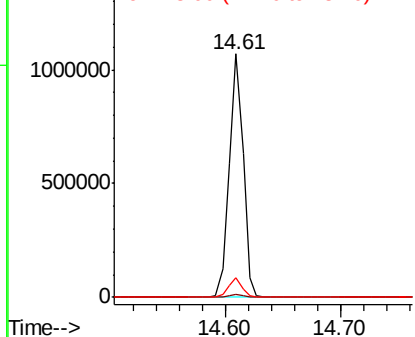
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 893749 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.5   | 1.2   | 1.8    |
| 43        | 7.8   | 6.4   | 9.6    |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 51.105 ng

RT: 17.03 min Scan# 2540

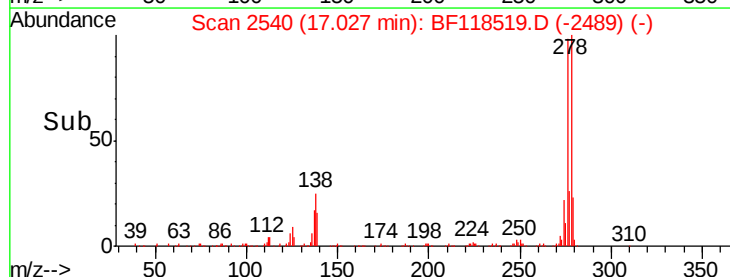
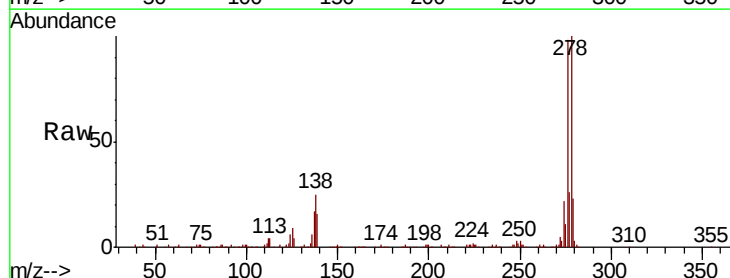
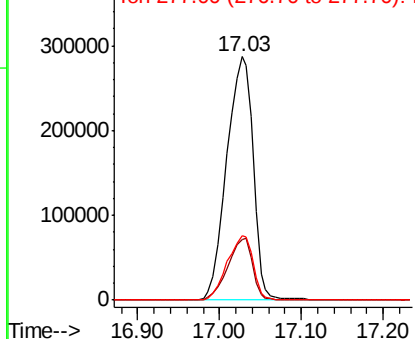
Delta R.T. -0.00 min

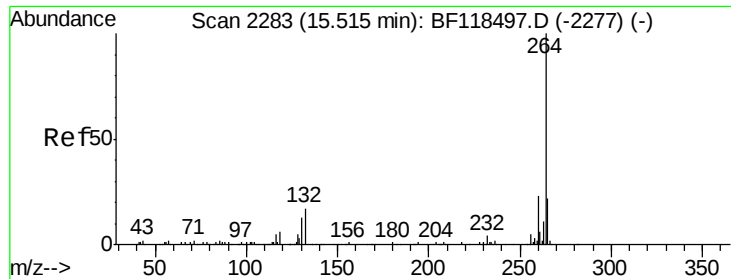
Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 647125 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 23.7  | 19.0  | 28.4   |
| 277       | 25.9  | 20.5  | 30.7   |

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

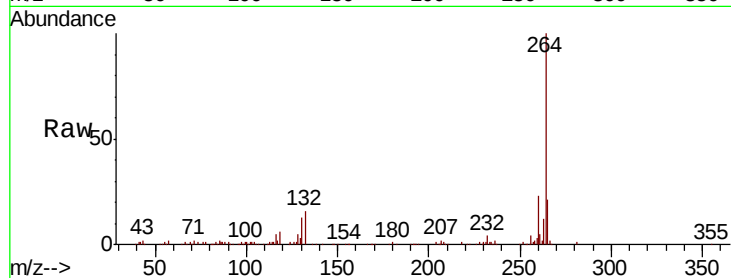
ClientSampleId :

TP-1MS

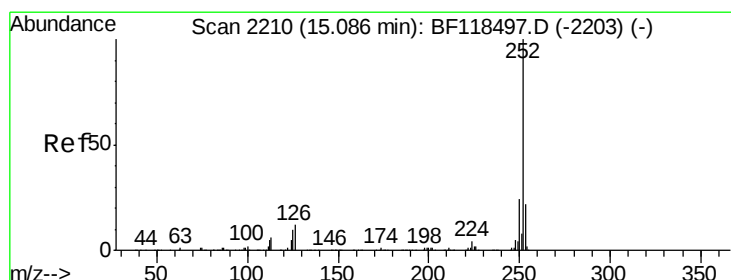
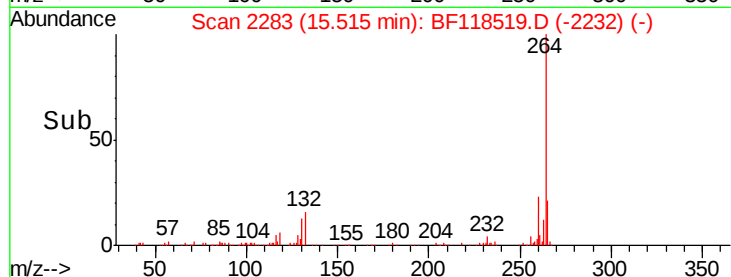
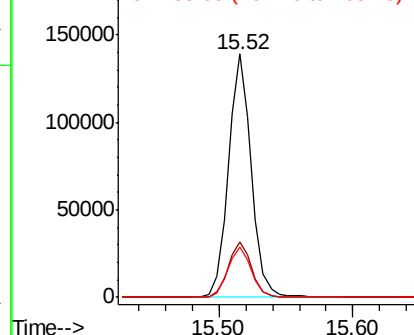
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 167011 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.8  | 18.8  | 28.2   |
| 265       | 20.9  | 17.5  | 26.3   |

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Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.992 ng

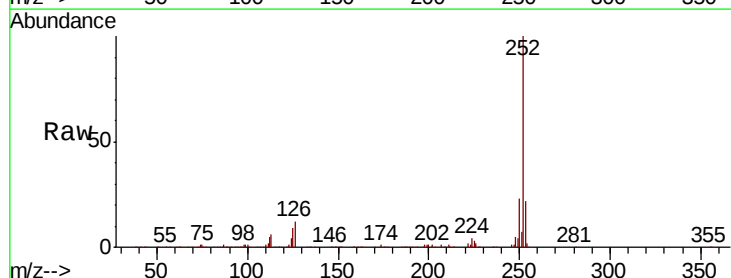
RT: 15.09 min Scan# 2210

Delta R.T. -0.00 min

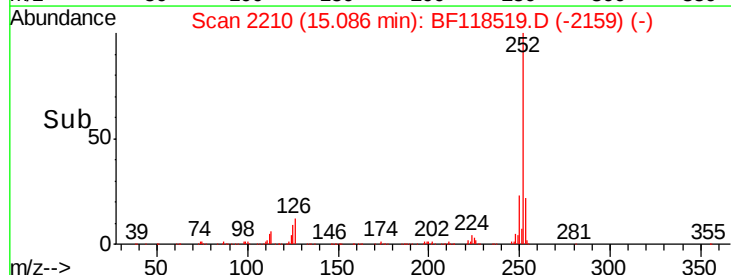
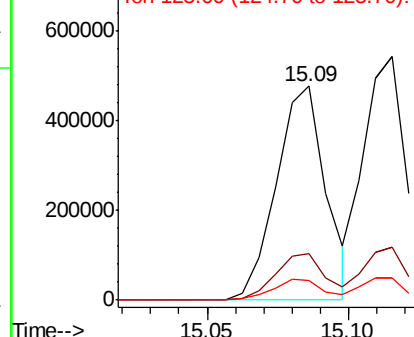
Lab File: BF118519.D

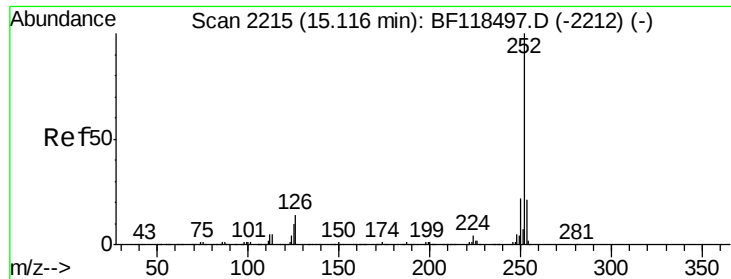
Acq: 10 Jan 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 579492 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.6  | 17.6  | 26.4   |
| 125       | 9.3   | 7.8   | 11.6   |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 49.263 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF118519.D

Acq: 10 Jan 2020 17:20

Instrument :

BNA\_F

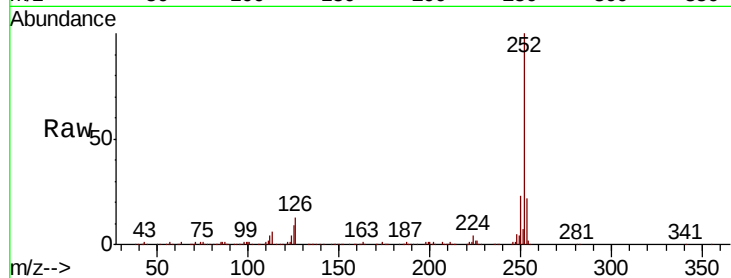
ClientSampleId :

TP-1MS

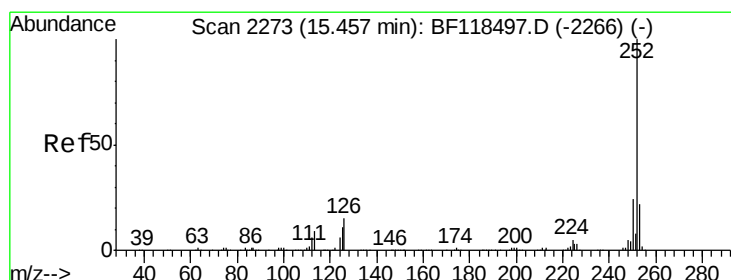
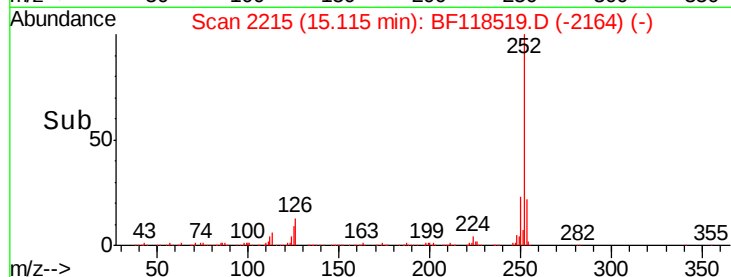
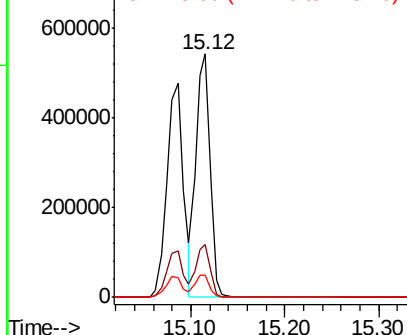
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 567781 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.0  | 25.4   |
| 125       | 8.9   | 7.8   | 11.6   |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 42.890 ng

RT: 15.46 min Scan# 2273

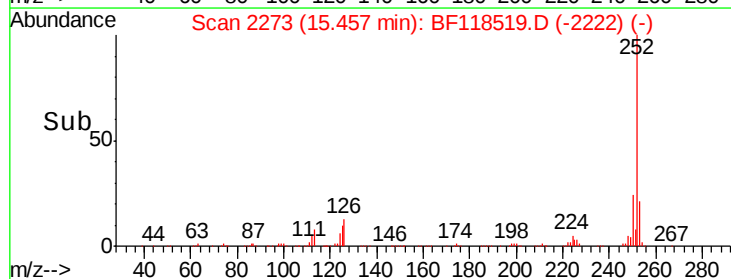
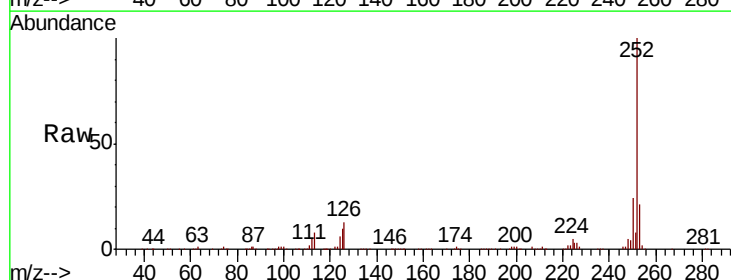
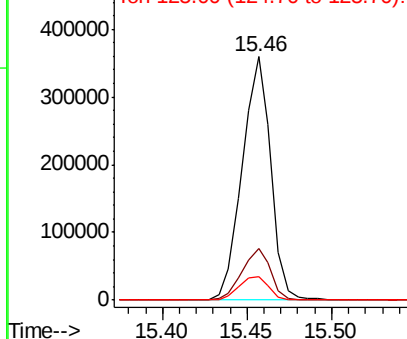
Delta R.T. -0.00 min

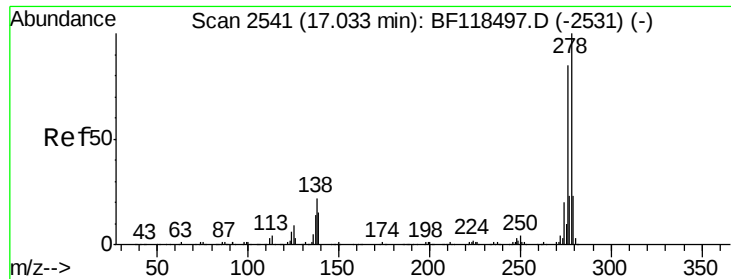
Lab File: BF118519.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 424401 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.0  | 17.7  | 26.5   |
| 125       | 9.6   | 9.0   | 13.6   |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





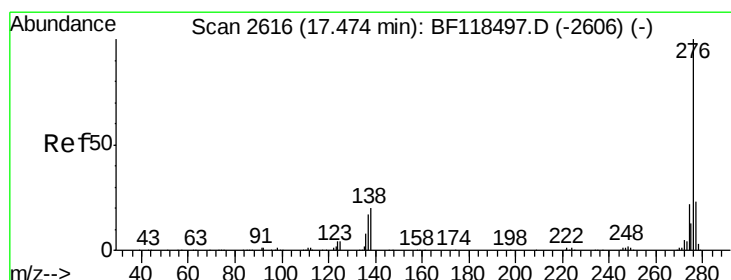
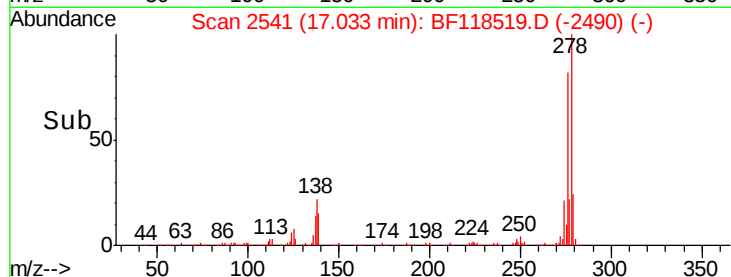
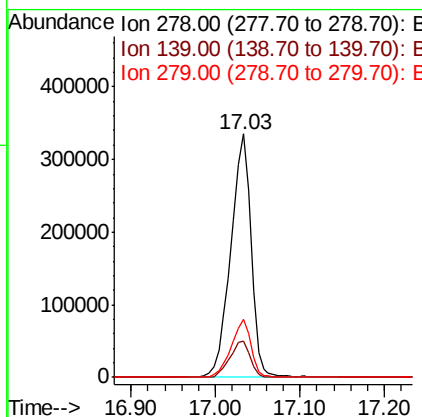
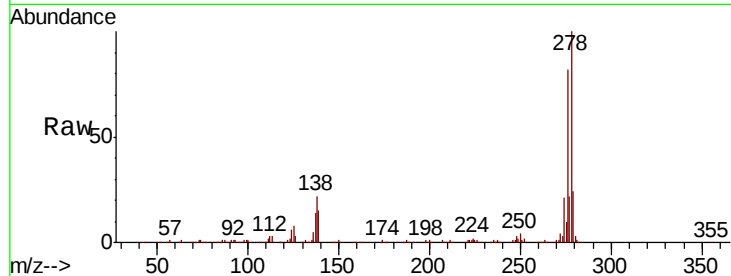
#91  
Dibenzo(a,h)anthracene  
Concen: 59.724 ng  
RT: 17.03 min Scan# 2541  
Delta R.T. -0.00 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.8  | 11.9  | 17.9  |
| 279     | 23.8  | 18.6  | 27.8  |

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#92  
Benzo(g,h,i)perylene  
Concen: 49.197 ng  
RT: 17.48 min Scan# 2617  
Delta R.T. 0.01 min  
Lab File: BF118519.D  
Acq: 10 Jan 2020 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.7  | 18.2  | 27.4  |
| 138     | 18.9  | 16.3  | 24.5  |

