

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\  
 Data File : BF117562.D  
 Acq On : 28 Oct 2019 15:37  
 Operator : JU  
 Sample : K5543-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

Manual Integrations  
 APPROVED

mohammad  
 10/30/2019 4:51:10 PM

Quant Time: Oct 29 15:36:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 40314    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 167051   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 82482    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 135507   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.89 | 240  | 77998    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.33 | 264  | 75701    | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.36  | 112  | 270954   | 99.99  | ng    | 0.00     |
| 7) Phenol-d6                | 6.39  | 99   | 373247   | 102.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 230730   | 68.19  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 70564    | 98.87  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 396944   | 67.81  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.83 | 244  | 382561   | 80.00  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.45 | 88   | 45759    | 40.164 | ng    | 97     |
| 3) Pyridine                    | 3.16 | 79   | 112136   | 40.206 | ng    | 97     |
| 4) n-Nitrosodimethylamine      | 3.12 | 42   | 47866    | 47.307 | ng    | # 97   |
| 6) Aniline                     | 6.39 | 93   | 151195   | 35.385 | ng    | # 63   |
| 8) 2-Chlorophenol              | 6.52 | 128  | 136274   | 47.658 | ng    | 97     |
| 9) Benzaldehyde                | 6.28 | 77   | 79623    | 47.009 | ng    | 96     |
| 10) Phenol                     | 6.40 | 94   | 180276   | 48.530 | ng    | 85     |
| 11) bis(2-Chloroethyl)ether    | 6.46 | 93   | 124908   | 45.460 | ng    | 98     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146  | 137767   | 43.175 | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146  | 141356   | 43.668 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146  | 134839   | 44.191 | ng    | 97     |
| 15) Benzyl Alcohol             | 6.88 | 79   | 121260   | 46.633 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45   | 126467   | 42.667 | ng    | # 33   |
| 17) 2-Methylphenol             | 7.00 | 107  | 109524   | 46.561 | ng    | # 90   |
| 18) Hexachloroethane           | 7.23 | 117  | 52366    | 41.446 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70   | 100316   | 45.131 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.16 | 107  | 144140   | 46.737 | ng    | # 64   |
| 22) Acetophenone               | 7.15 | 105  | 196855   | 44.378 | ng    | # 93   |
| 24) Nitrobenzene               | 7.32 | 77   | 151150   | 46.637 | ng    | 99     |
| 25) Isophorone                 | 7.55 | 82   | 269473   | 46.035 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.63 | 139  | 70223    | 48.581 | ng    | 98     |
| 27) 2,4-Dimethylphenol         | 7.68 | 122  | 118771   | 54.980 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93   | 158910   | 43.994 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.89 | 162  | 106422   | 46.968 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180  | 107774   | 44.323 | ng    | 99     |
| 31) Naphthalene                | 8.03 | 128  | 388949   | 46.974 | ng    | 98     |
| 32) Benzoic acid               | 7.84 | 122  | 55165    | 37.283 | ng    | 97     |
| 33) 4-Chloroaniline            | 8.09 | 127  | 88098    | 25.210 | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.15 | 225  | 58914    | 41.861 | ng    | 97     |
| 35) Caprolactam                | 8.47 | 113  | 33997m   | 46.707 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.59 | 107  | 123042   | 47.615 | ng    | 95     |
| 37) 2-Methylnaphthalene        | 8.72 | 142  | 259222   | 46.461 | ng    | 100    |
| 38) 1-Methylnaphthalene        | 8.82 | 142  | 243888   | 46.519 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216  | 98748    | 44.450 | ng    | 99     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

Manual Integrations  
 APPROVED

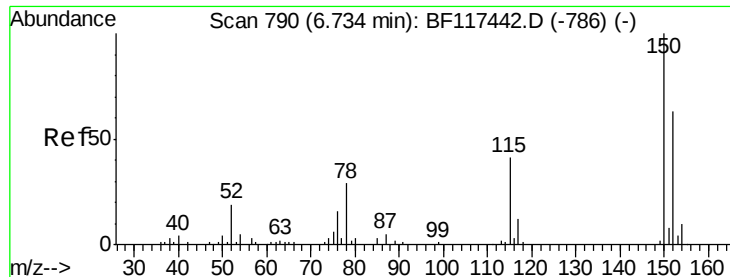
mohammad  
 10/30/2019 4:51:10 PM

Quant Time: Oct 29 15:36:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.87  | 237  | 29773    | 57.727 | nq    | 93       |
| 43) 2,4,6-Trichlorophenol      | 9.01  | 196  | 63229    | 45.449 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.06  | 196  | 66697    | 47.312 | nq    | 94       |
| 46) 1,1'-Biphenyl              | 9.19  | 154  | 298489   | 43.713 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.21  | 162  | 236475   | 45.931 | nq    | 100      |
| 48) 2-Nitroaniline             | 9.32  | 65   | 78157    | 46.243 | nq    | 90       |
| 49) Acenaphthylene             | 9.62  | 152  | 372188   | 49.216 | nq    | 99       |
| 50) Dimethylphthalate          | 9.49  | 163  | 304179   | 51.730 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.56  | 165  | 58215    | 47.444 | nq #  | 81       |
| 52) Acenaphthene               | 9.80  | 154  | 219154   | 47.235 | nq    | 97       |
| 53) 3-Nitroaniline             | 9.73  | 138  | 42368    | 28.458 | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 9.86  | 184  | 25634    | 52.160 | nq    | 93       |
| 55) Dibenzofuran               | 9.97  | 168  | 323089   | 48.065 | nq    | 100      |
| 56) 4-Nitrophenol              | 9.93  | 139  | 40476    | 60.143 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 77209    | 47.328 | nq    | 91       |
| 58) Fluorene                   | 10.31 | 166  | 264231   | 47.534 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 47002    | 42.421 | nq    | 97       |
| 60) Diethylphthalate           | 10.19 | 149  | 265027   | 44.561 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204  | 113842   | 45.647 | nq    | 97       |
| 62) 4-Nitroaniline             | 10.35 | 138  | 59587    | 42.463 | nq    | 97       |
| 63) Azobenzene                 | 10.46 | 77   | 291639   | 47.901 | nq    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198  | 26534    | 38.514 | nq    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.42 | 169  | 227378   | 45.899 | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.79 | 248  | 62605    | 42.893 | nq    | 99       |
| 68) Hexachlorobenzene          | 10.87 | 284  | 66917    | 42.810 | nq    | 92       |
| 69) Atrazine                   | 10.96 | 200  | 67149    | 53.277 | nq    | 99       |
| 70) Pentachlorophenol          | 11.07 | 266  | 33492    | 71.473 | nq    | 99       |
| 71) Phenanthrene               | 11.27 | 178  | 364026   | 46.264 | nq    | 99       |
| 72) Anthracene                 | 11.33 | 178  | 386704   | 47.898 | nq    | 99       |
| 73) Carbazole                  | 11.49 | 167  | 348373   | 47.217 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.80 | 149  | 430654   | 43.684 | nq    | 99       |
| 75) Fluoranthene               | 12.46 | 202  | 360563   | 45.775 | nq    | 100      |
| 78) Pyrene                     | 12.69 | 202  | 362997   | 54.182 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.30 | 149  | 170701   | 51.202 | nq    | 98       |
| 81) Benzo(a)anthracene         | 13.88 | 228  | 246122   | 46.780 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 59181    | 35.847 | nq #  | 95       |
| 83) Chrysene                   | 13.92 | 228  | 240122   | 46.568 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 238053   | 50.974 | nq #  | 96       |
| 85) Di-n-octyl phthalate       | 14.47 | 149  | 356705   | 49.678 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.75 | 276  | 226928   | 58.945 | nq    | 98       |
| 88) Benzo(b)fluoranthene       | 14.92 | 252  | 197917   | 44.274 | nq    | 96       |
| 89) Benzo(k)fluoranthene       | 14.94 | 252  | 193501   | 42.233 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.27 | 252  | 182983   | 45.021 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.74 | 278  | 194143   | 55.243 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.17 | 276  | 194490   | 58.490 | nq    | 97       |

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





#1

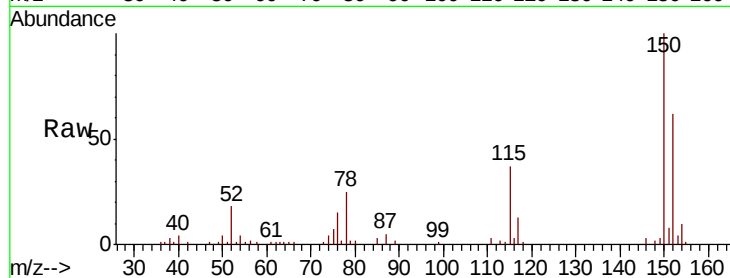
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.6 | 126.8 | 190.2 |
| 115     | 59.6  | 51.6  | 77.4  |

Manual Integrations  
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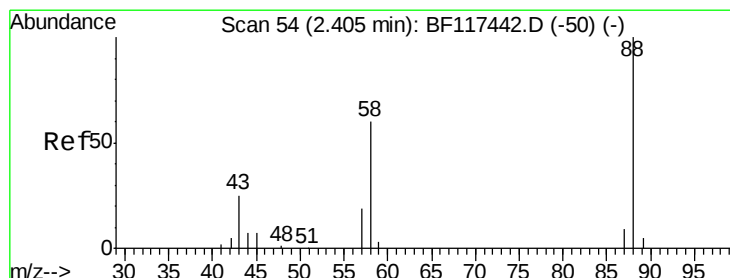
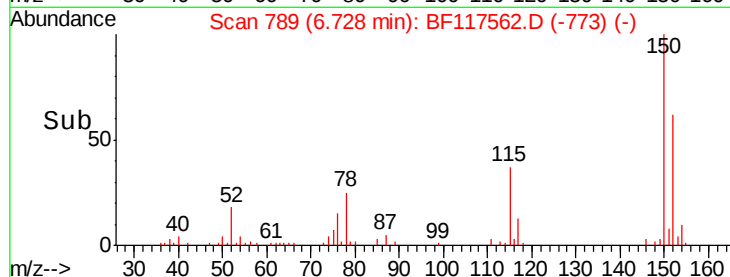
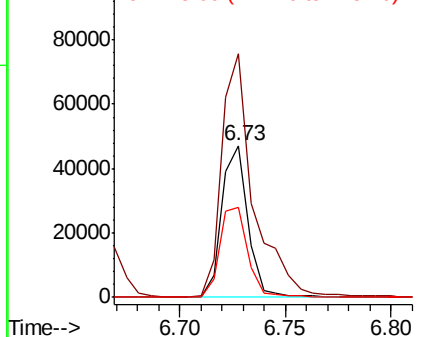


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

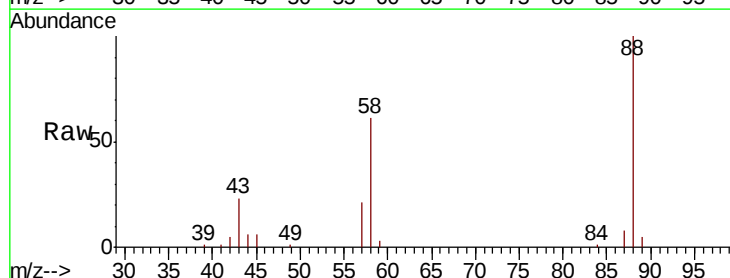
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 40.164 ng  
RT: 2.45 min Scan# 61  
Delta R.T. 0.04 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 63.4  | 48.8  | 73.2  |
| 43      | 23.8  | 18.5  | 27.7  |

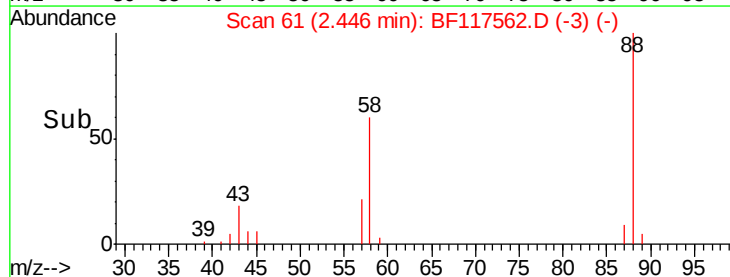
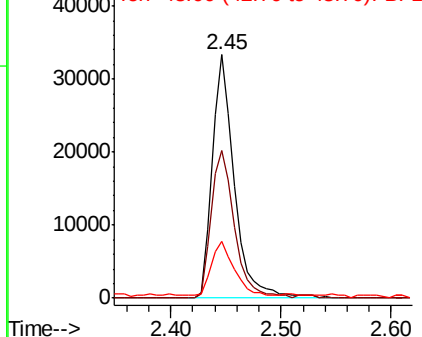


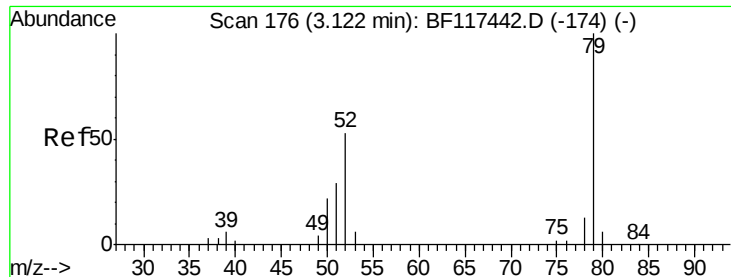
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 40.206 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.04 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

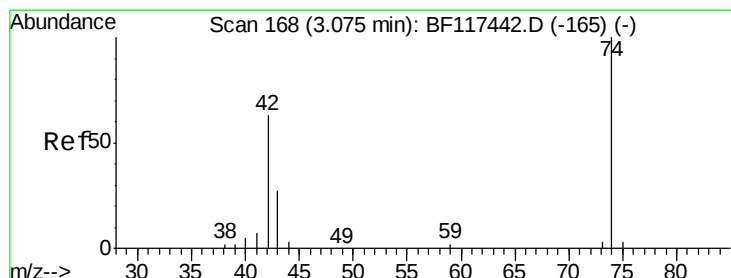
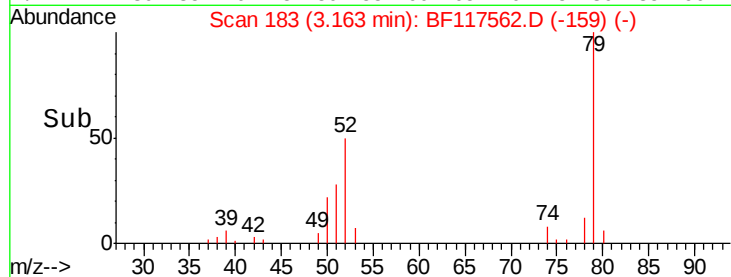
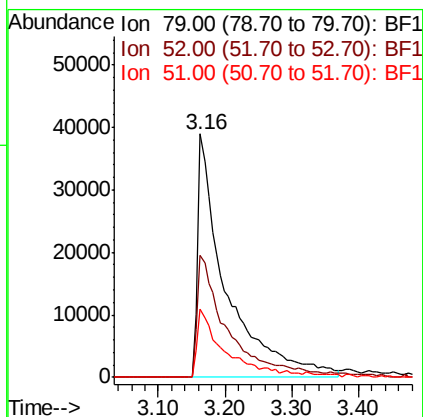
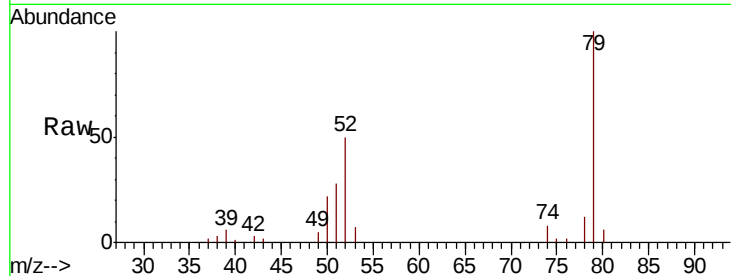
ClientSampled :

R-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 112136 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 50.3  | 42.4  | 63.6   |
| 51       | 27.8  | 23.3  | 34.9   |

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#4

n-Nitrosodimethylamine

Concen: 47.307 ng

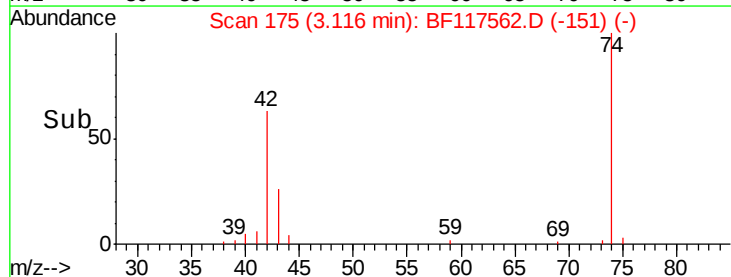
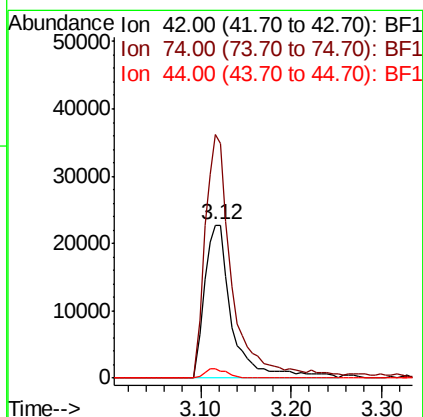
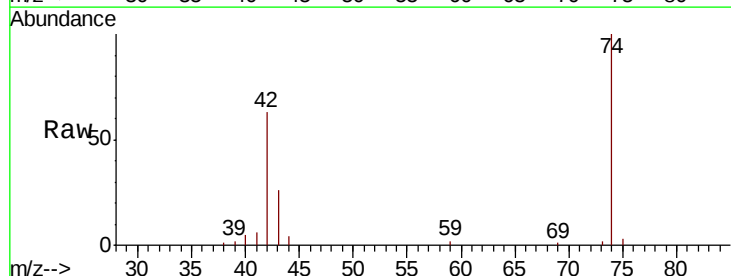
RT: 3.12 min Scan# 175

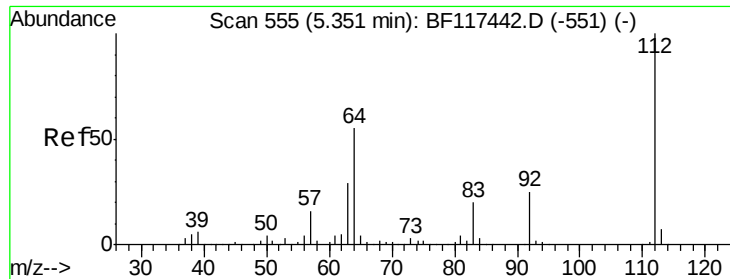
Delta R.T. 0.04 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 47866 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 159.2 | 124.2 | 186.4 |
| 44       | 6.5   | 4.2   | 6.4#  |





#5

2-Fluorophenol

Concen: 99.990 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

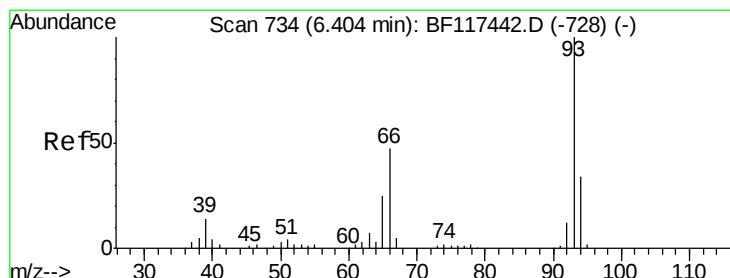
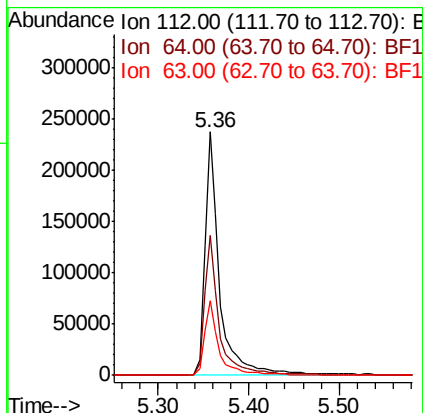
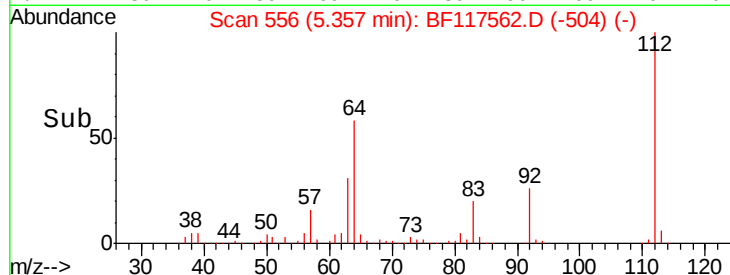
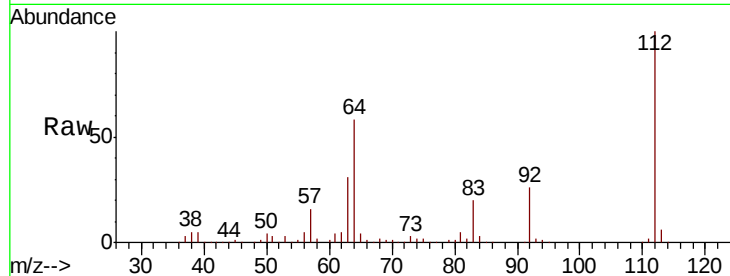
ClientSampled :

R-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 270954 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.6  | 44.1  | 66.1   |
| 63        | 30.6  | 23.4  | 35.2   |

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#6

Aniline

Concen: 35.385 ng

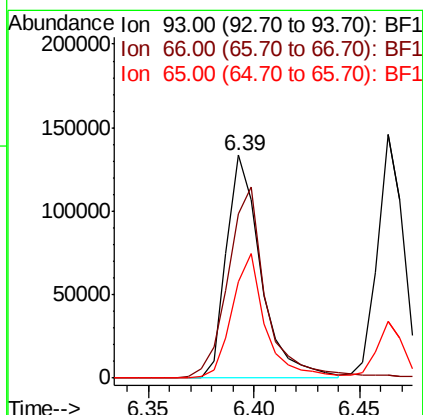
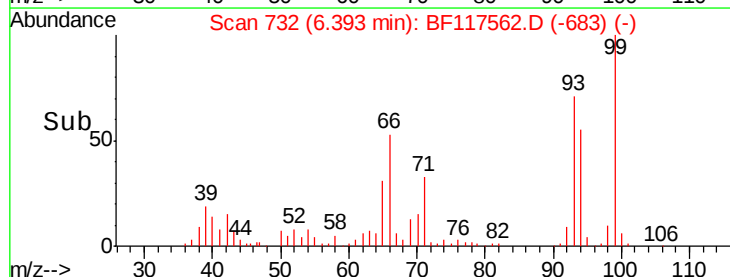
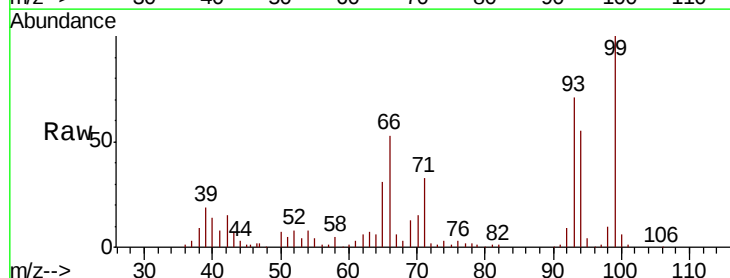
RT: 6.39 min Scan# 732

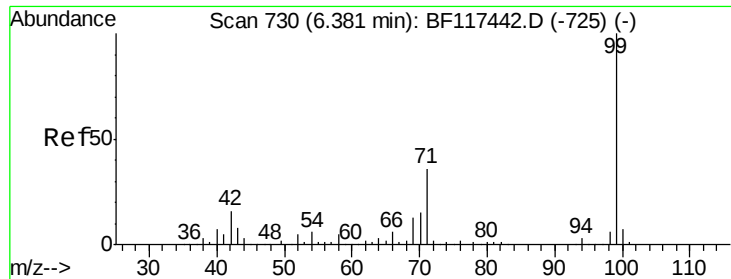
Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 151195 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 73.7  | 38.7  | 58.1#  |
| 65        | 43.3  | 20.1  | 30.1#  |





#7

Phenol-d6

Concen: 102.552 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

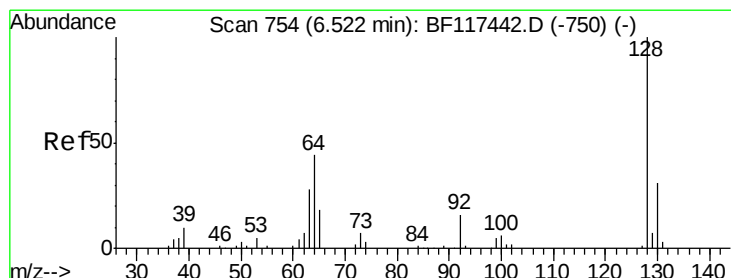
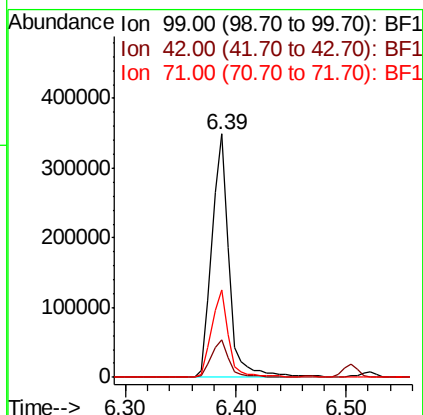
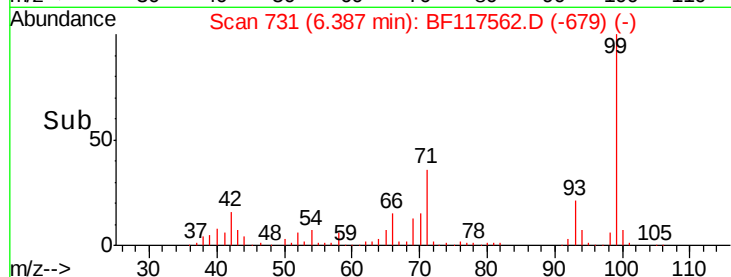
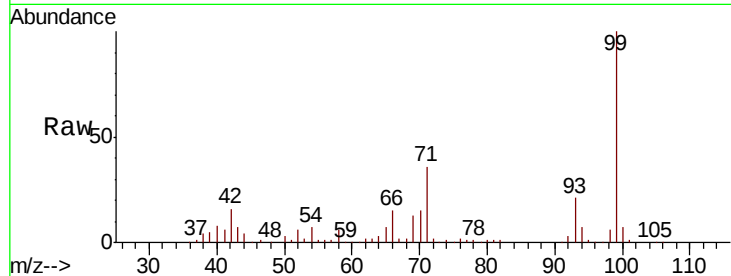
ClientSampleId :

R-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 373247 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 15.6  | 12.8  | 19.2   |
| 71       | 36.1  | 28.6  | 43.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 47.658 ng

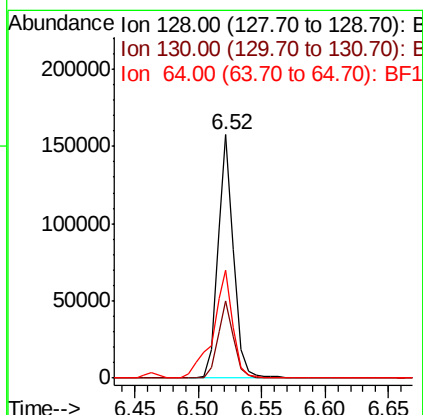
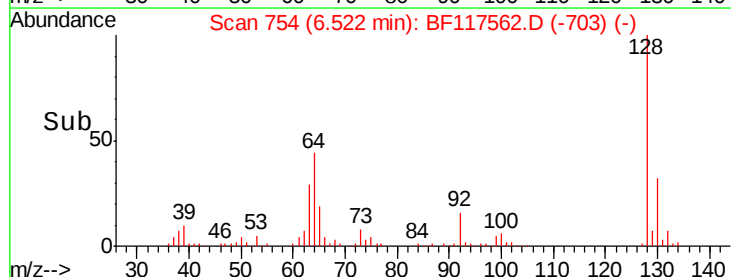
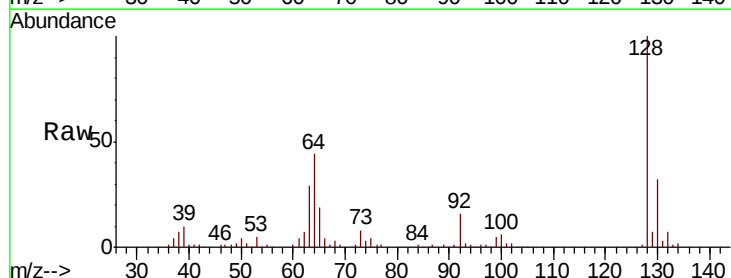
RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 136274 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 31.7  | 11.1  | 51.1   |
| 64       | 44.4  | 27.1  | 67.1   |





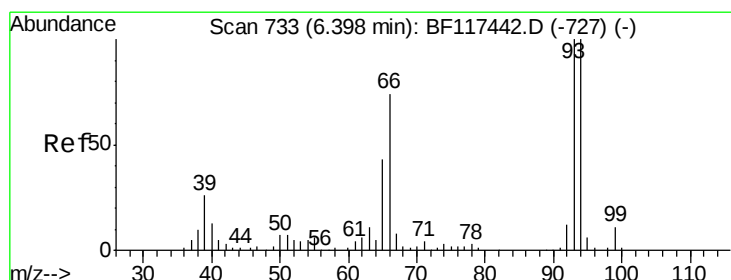
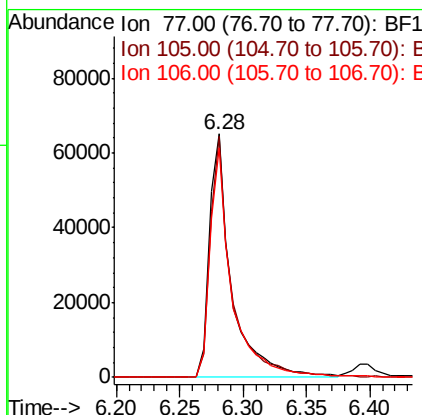
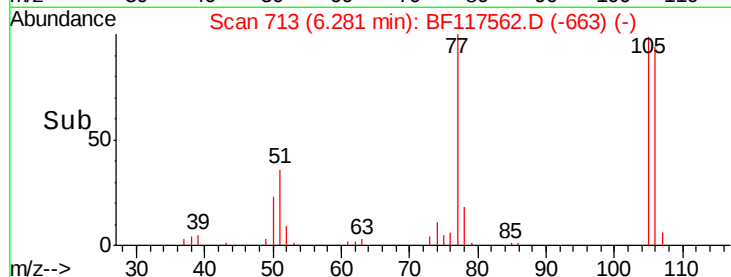
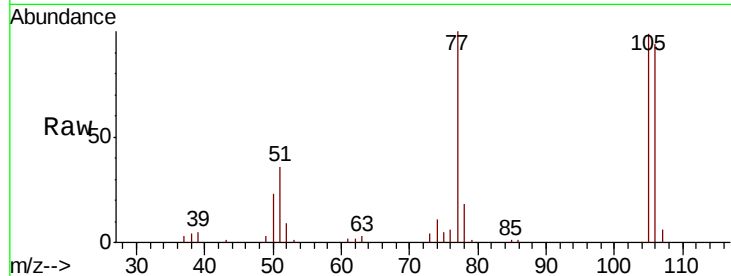
#9  
Benzaldehyde  
Concen: 47.009 ng  
RT: 6.28 min Scan# 713  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

Tot Ion: 77 Resp: 79623  
Ion Ratio Lower Upper  
77 100  
105 98.8 73.4 113.4  
106 94.4 73.0 113.0

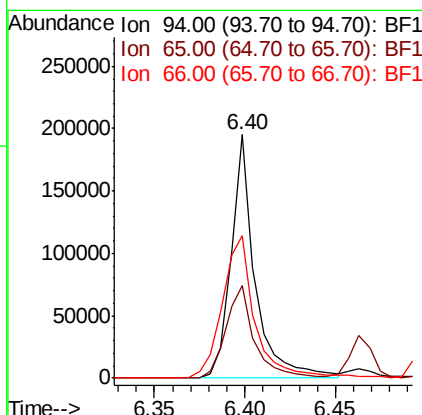
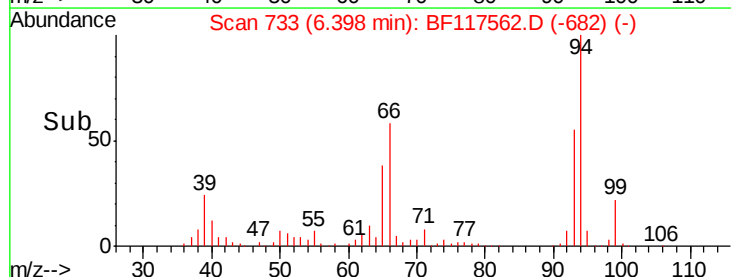
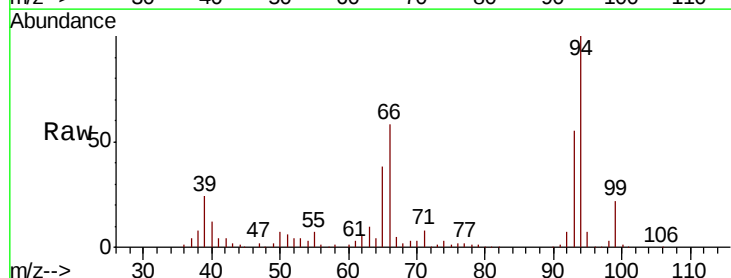
Manual Integrations  
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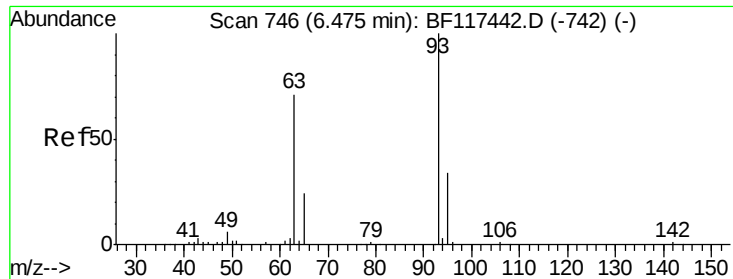
mohammad  
10/30/2019 4:51:10 PM



#10  
Phenol  
Concen: 48.530 ng  
RT: 6.40 min Scan# 733  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Tgt Ion: 94 Resp: 180276  
Ion Ratio Lower Upper  
94 100  
65 38.0 23.4 63.4  
66 58.5 54.7 94.7





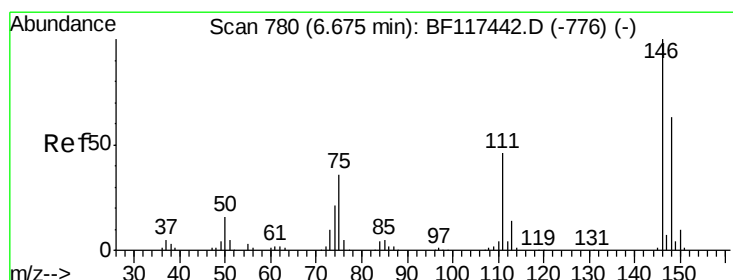
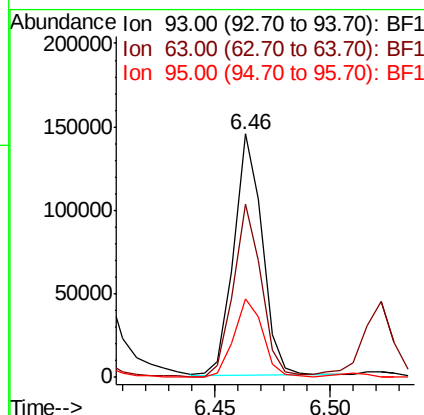
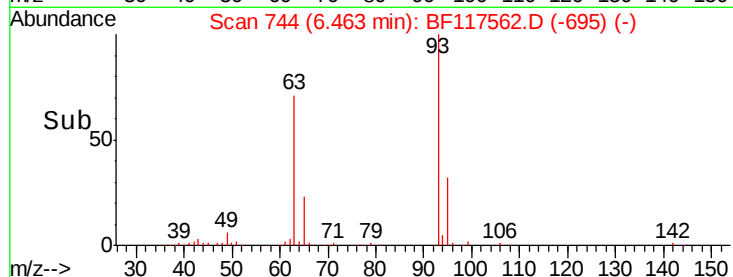
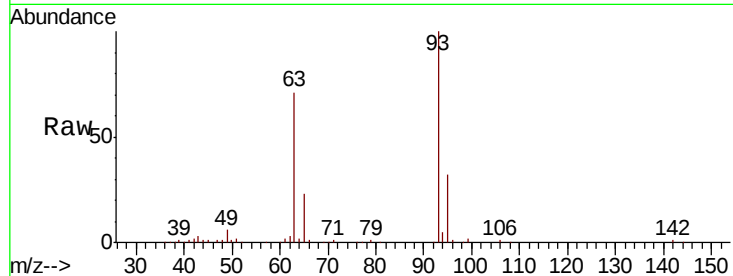
#11  
bis(2-Chloroethyl)ether  
Concen: 45.460 ng  
RT: 6.46 min Scan# 744  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 124908 |       |       |
| 63      | 71.2  | 50.2   | 90.2  |       |
| 95      | 32.4  | 13.9   | 53.9  |       |

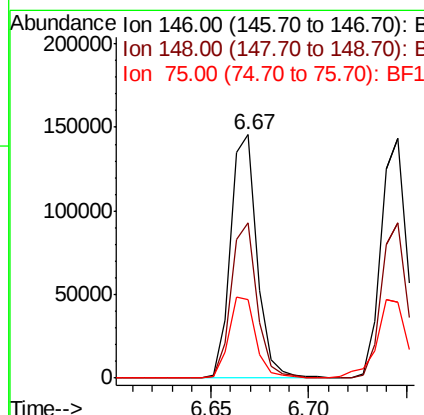
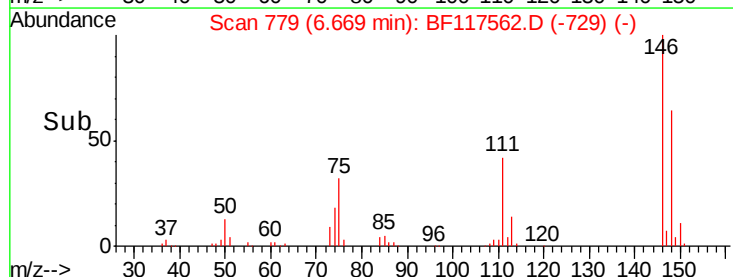
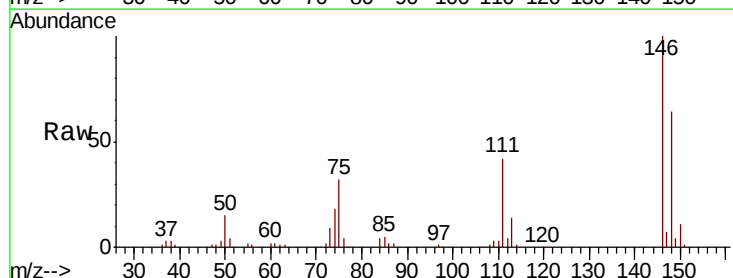
Manual Integrations  
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#12  
1,3-Dichlorobenzene  
Concen: 43.175 ng  
RT: 6.67 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 137767 |       |       |
| 148     | 64.0  | 50.6   | 75.8  |       |
| 75      | 32.1  | 28.6   | 43.0  |       |





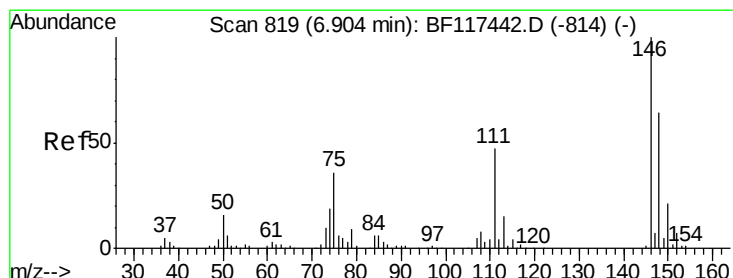
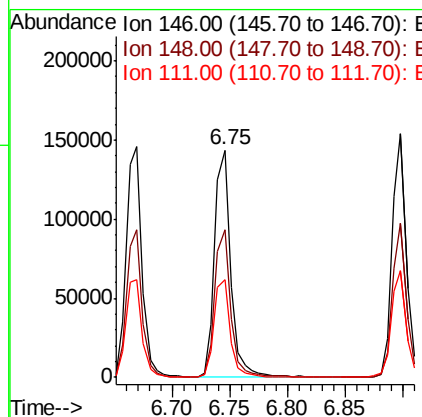
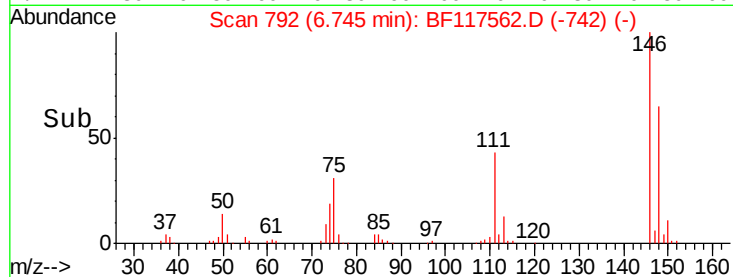
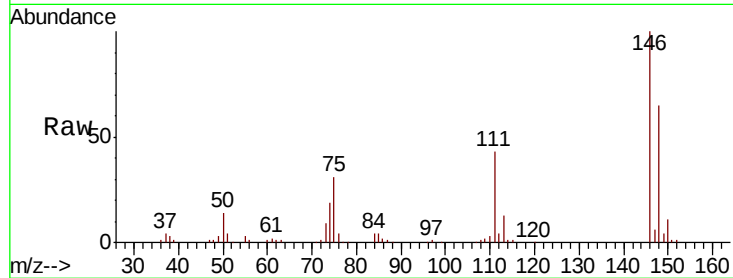
#13  
 1,4-Dichlorobenzene  
 Concen: 43.668 ng  
 RT: 6.75 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 49.3  | 73.9  |
| 111     | 43.2  | 33.6  | 50.4  |

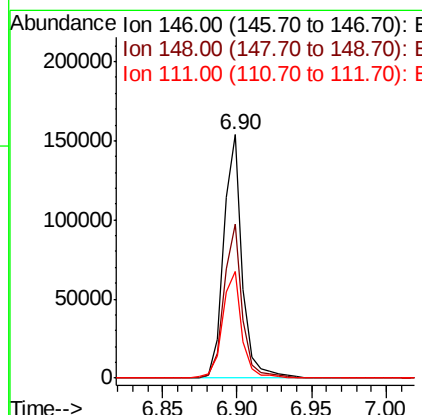
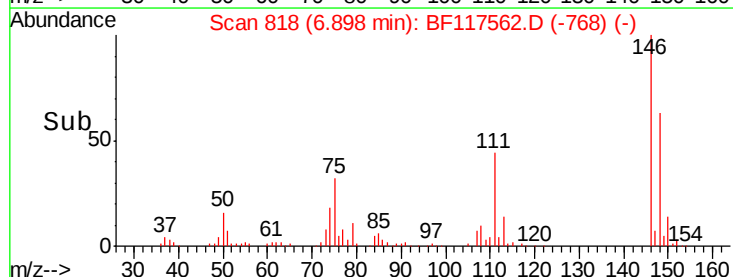
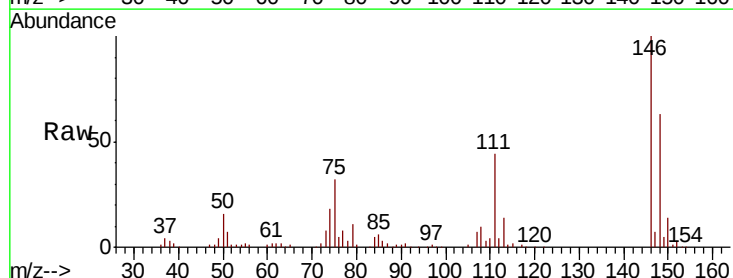
Manual Integrations  
 APPROVED

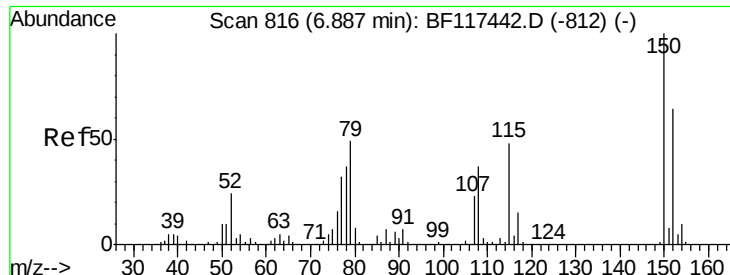
mohammad  
 10/30/2019 4:51:10 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 44.191 ng  
 RT: 6.90 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.4  | 51.4  | 77.0  |
| 111     | 43.7  | 37.7  | 56.5  |





#15

Benzyl Alcohol

Concen: 46.633 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

ClientSampled :

R-1MSD

Tot Ion: 79 Resp: 121260

Ion Ratio Lower Upper

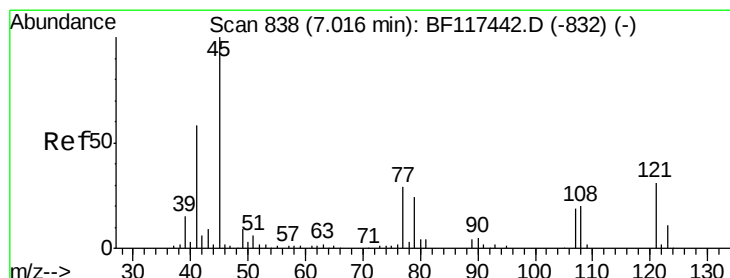
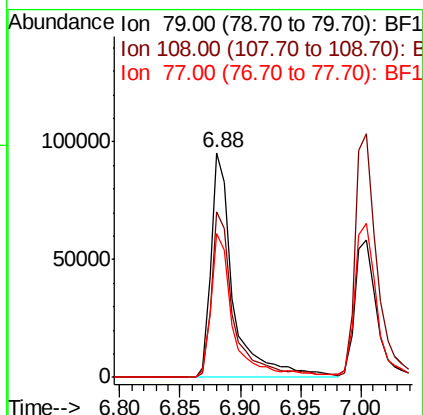
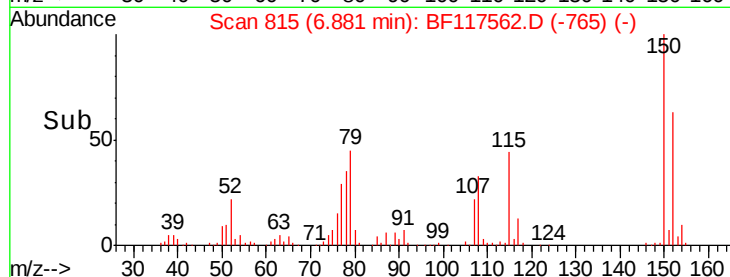
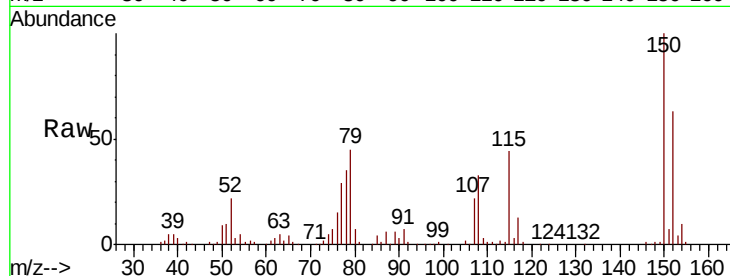
79 100

108 73.4 59.8 89.8

77 64.0 51.4 77.0

Manual Integrations  
APPROVED

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.667 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

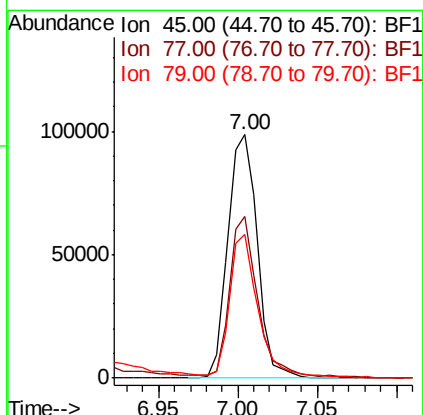
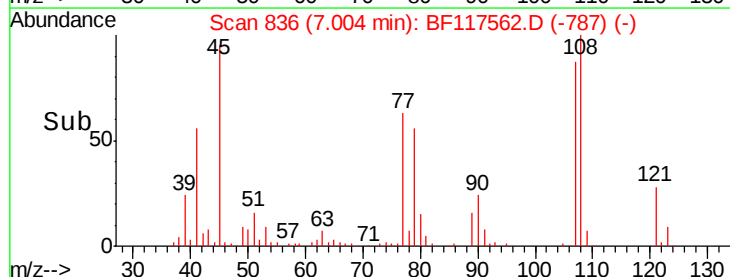
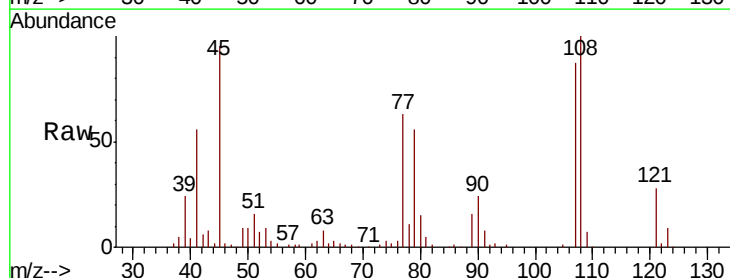
Tgt Ion: 45 Resp: 126467

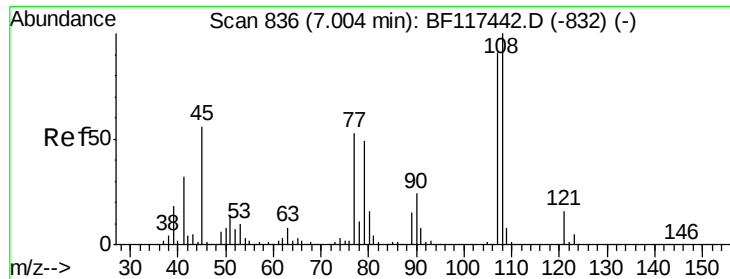
Ion Ratio Lower Upper

45 100

77 66.3 9.9 49.9#

79 59.1 5.5 45.5#





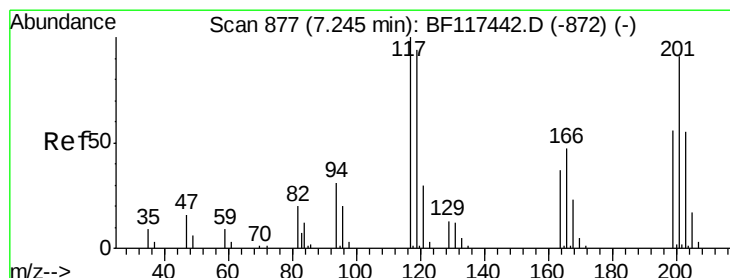
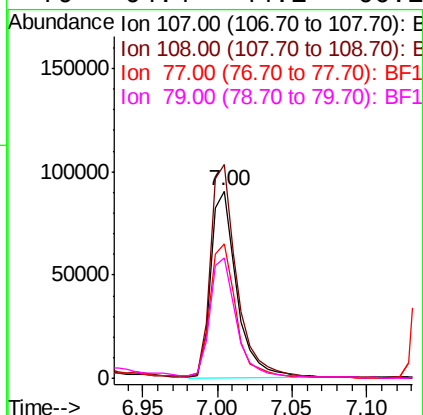
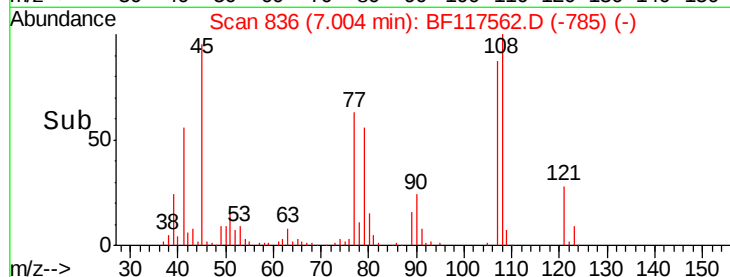
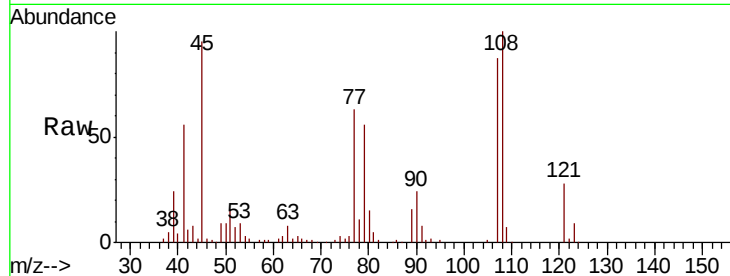
#17  
2-Methylphenol  
Concen: 46.561 ng  
RT: 7.00 min Scan# 836  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 114.3 | 88.0 | 132.0 |       |
| 77      | 72.3  | 47.2 | 70.8  |       |
| 79      | 64.4  | 44.1 | 66.1  |       |

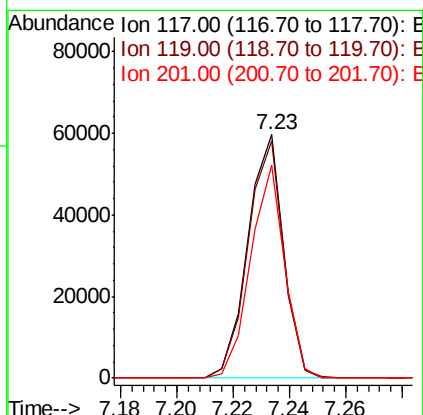
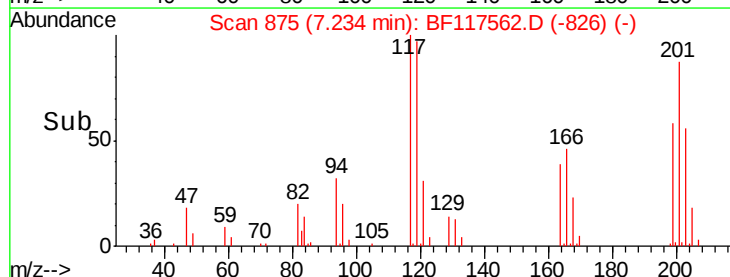
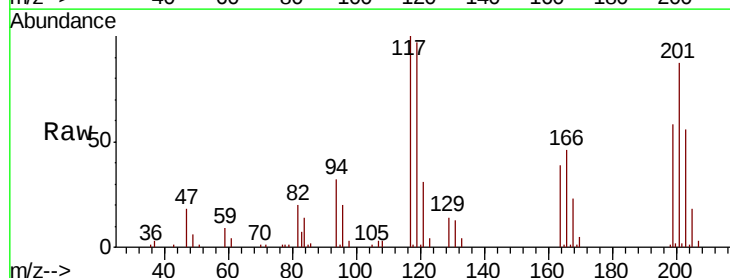
Manual Integrations  
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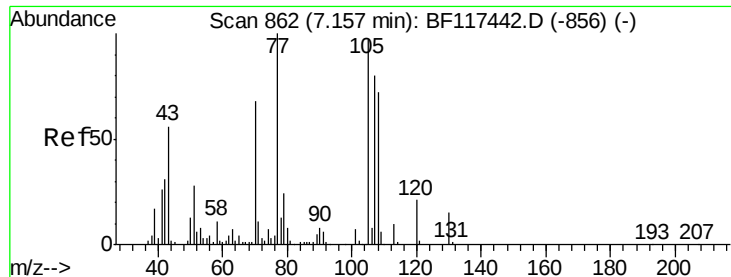
mohammad  
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#18  
Hexachloroethane  
Concen: 41.446 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.2  | 75.4 | 113.0 |       |
| 201     | 87.3  | 72.5 | 108.7 |       |





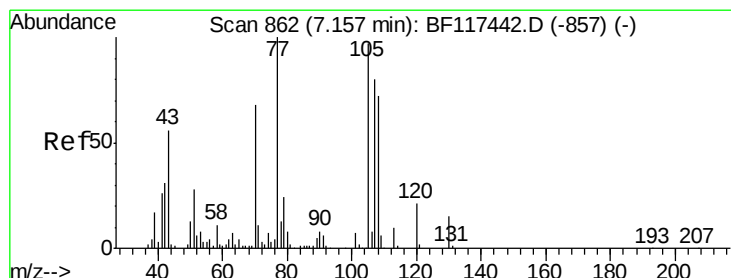
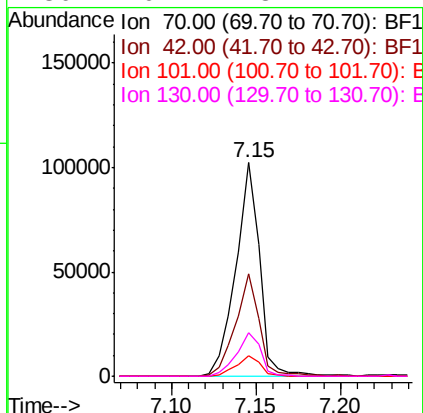
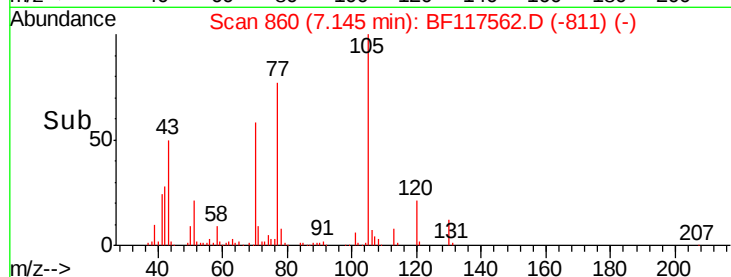
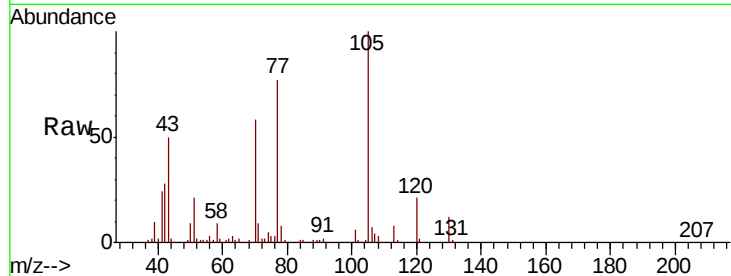
#19  
n-Nitroso-di-n-propylamine  
Concen: 45.131 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 47.7  | 36.7  | 55.1  |
| 101     | 9.6   | 8.3   | 12.5  |
| 130     | 20.2  | 18.1  | 27.1  |

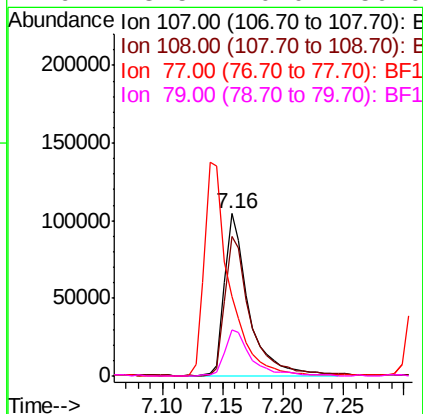
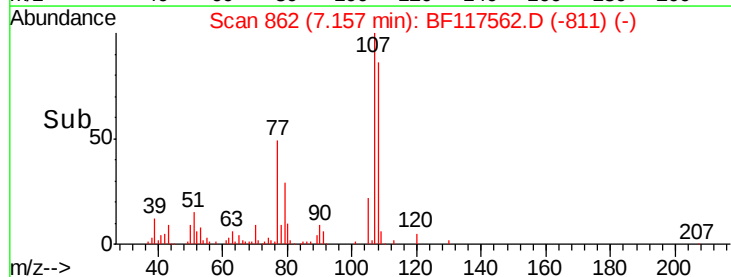
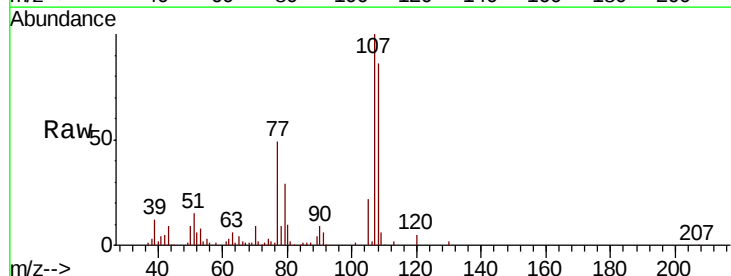
Manual Integrations  
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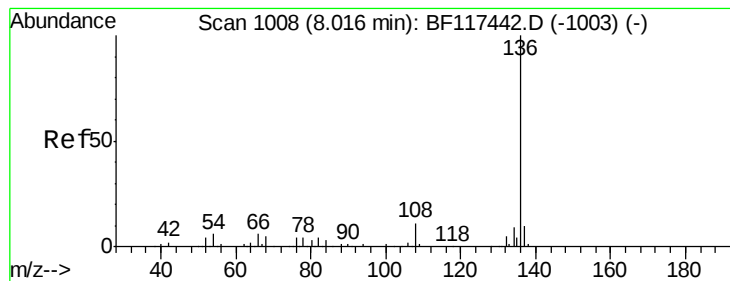
mohammad  
10/30/2019 4:51:10 PM



#20  
3+4-Methylphenols  
Concen: 46.737 ng  
RT: 7.16 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 86.3  | 70.3  | 110.3  |
| 77      | 49.1  | 104.8 | 144.8# |
| 79      | 28.5  | 10.0  | 50.0   |





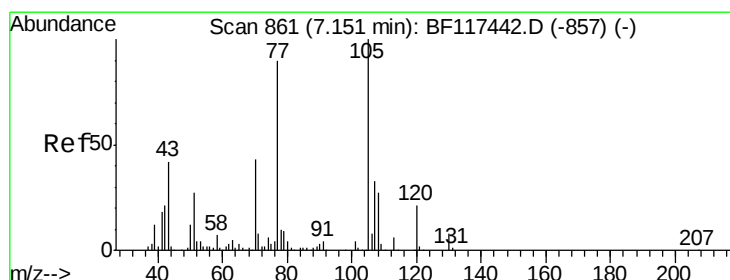
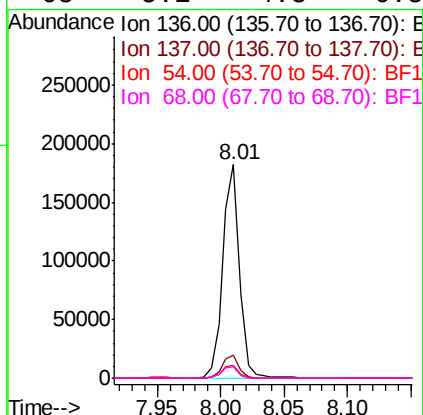
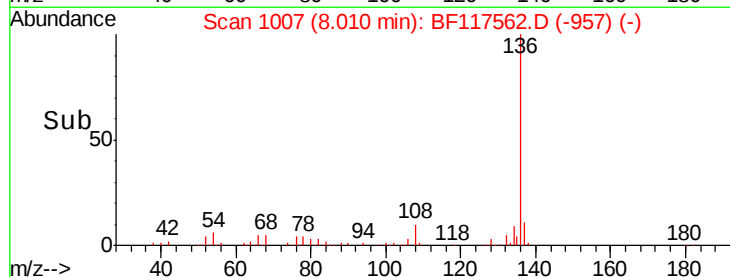
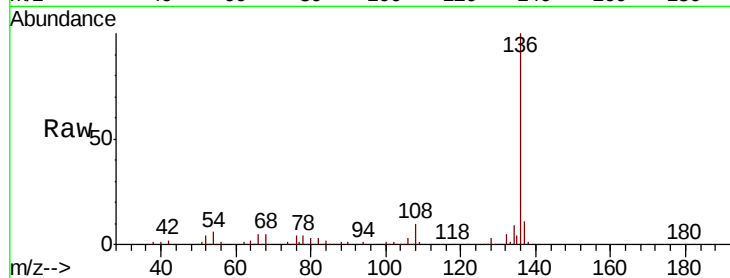
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 167051 |       |       |
| 137     | 10.8  |        | 8.2   | 12.4  |
| 54      | 5.8   |        | 4.5   | 6.7   |
| 68      | 5.1   |        | 4.3   | 6.5   |

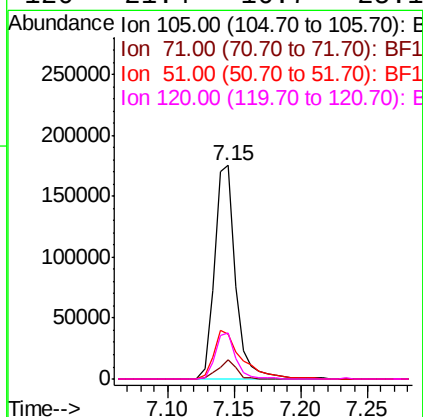
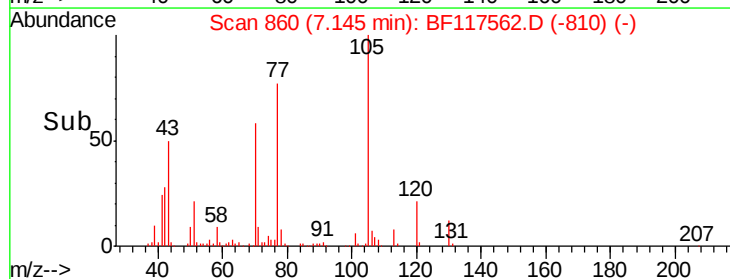
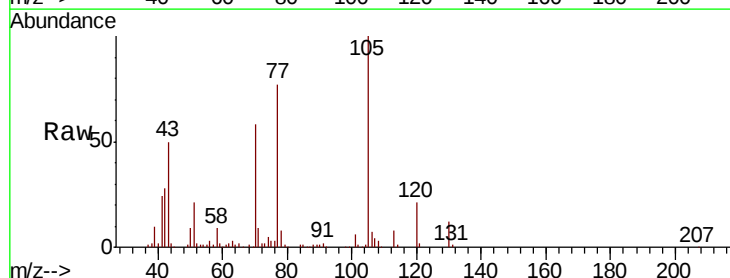
Manual Integrations  
APPROVED

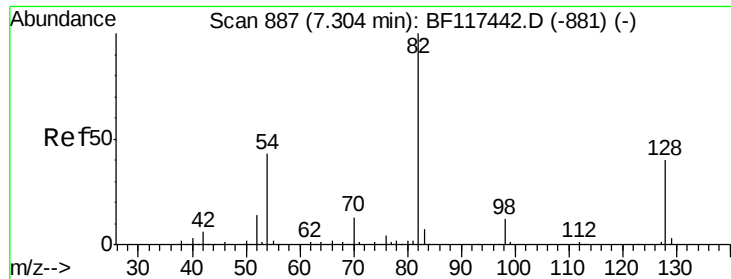
mohammad  
10/30/2019 4:51:10 PM



#22  
Acetophenone  
Concen: 44.378 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 196855 |       |       |
| 71      | 9.2   |        | 6.2   | 9.2   |
| 51      | 21.0  |        | 21.8  | 32.6# |
| 120     | 21.4  |        | 16.7  | 25.1  |





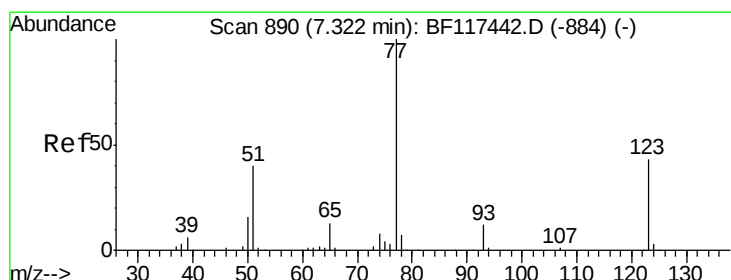
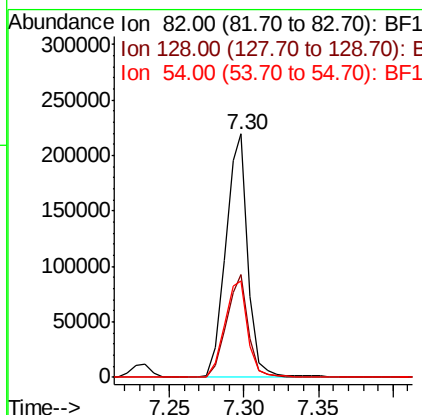
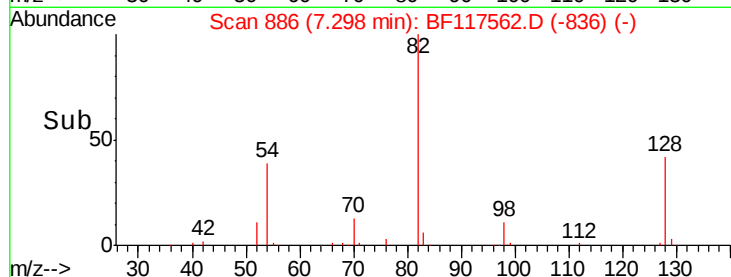
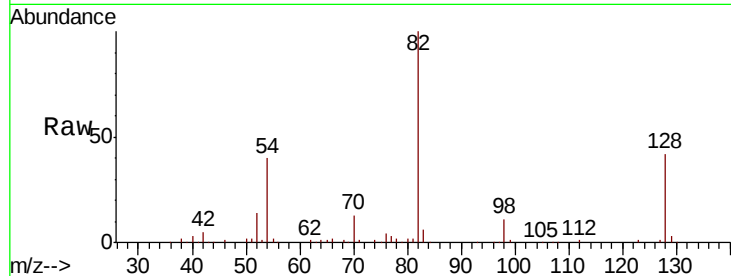
#23  
Nitrobenzene-d5  
Concen: 68.187 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampled :  
R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 230730 |       |       |
| 128     | 42.0  |        | 32.2  | 48.2  |
| 54      | 39.8  |        | 34.2  | 51.2  |

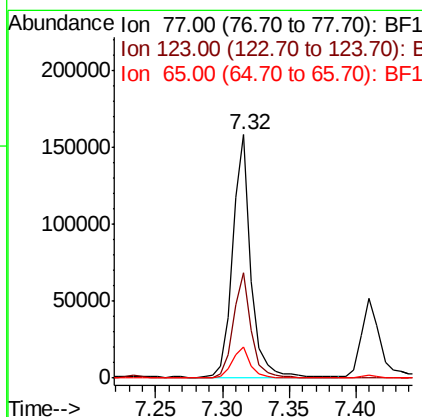
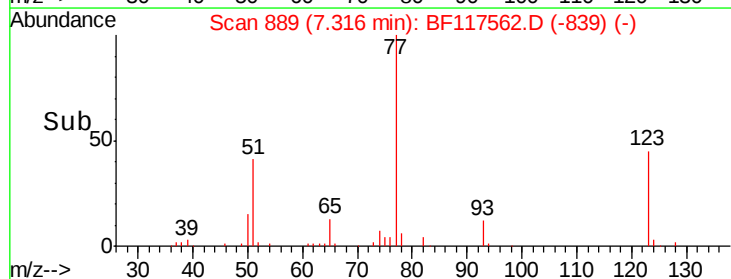
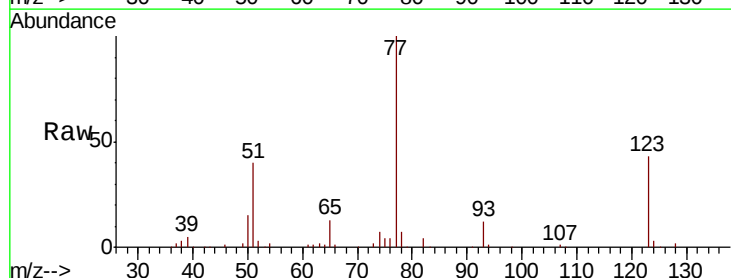
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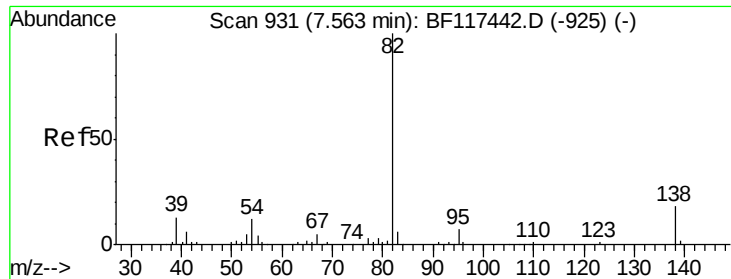
mohammad  
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#24  
Nitrobenzene  
Concen: 46.637 ng  
RT: 7.32 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 151150 |       |       |
| 123     | 43.1  |        | 34.2  | 51.2  |
| 65      | 12.5  |        | 10.3  | 15.5  |





#25

Isophorone

Concen: 46.035 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

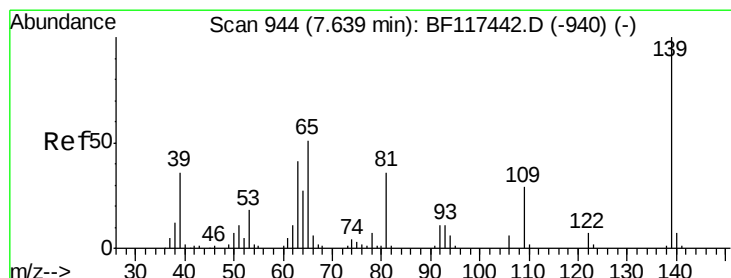
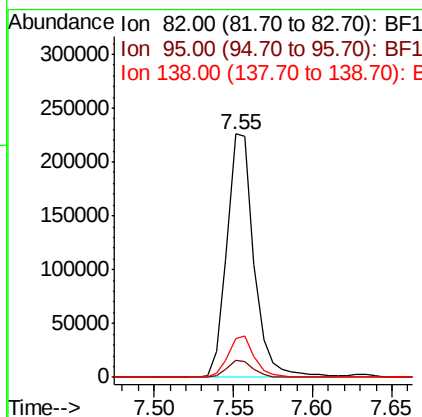
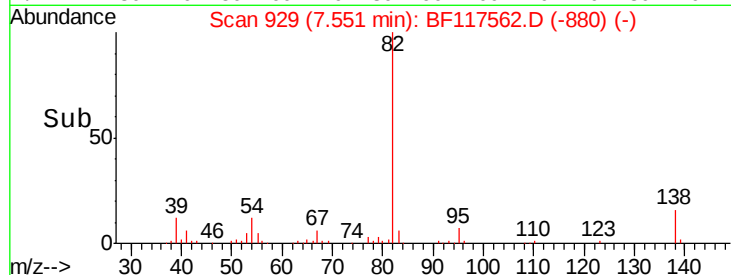
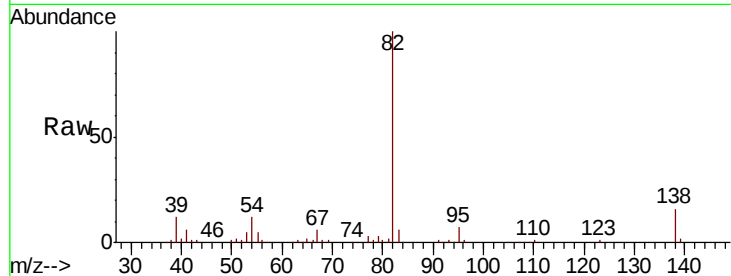
ClientSampleId :

R-1MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 269473 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 6.7  | 5.4   | 8.0    |
| 138       | 15.9 | 14.2  | 21.2   |

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#26

2-Nitrophenol

Concen: 48.581 ng

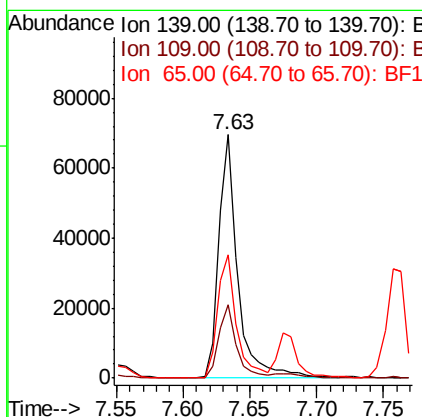
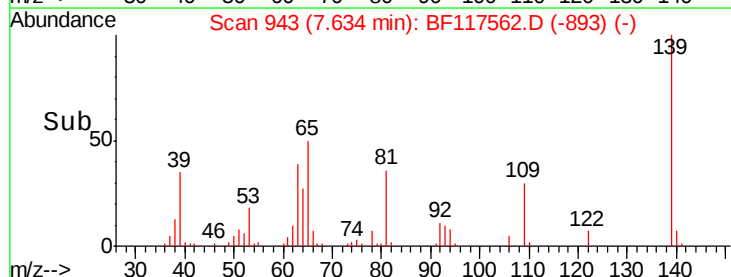
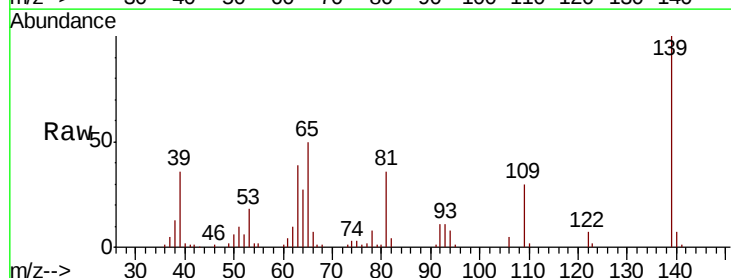
RT: 7.63 min Scan# 943

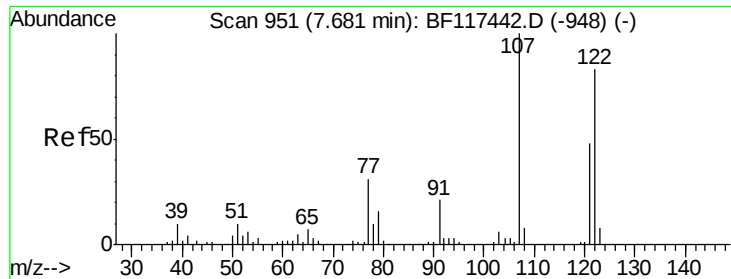
Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 139  | Resp: | 70223 |
| Ion Ratio |      | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 29.9 | 23.2  | 34.8  |
| 65        | 50.5 | 41.1  | 61.7  |





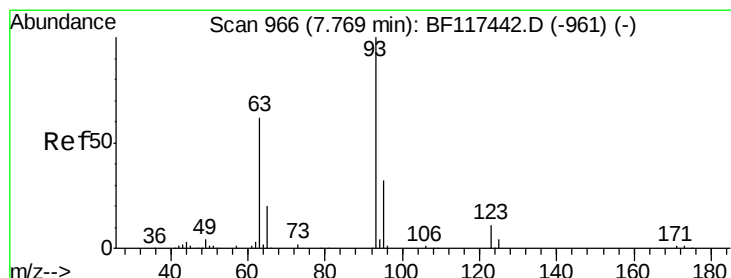
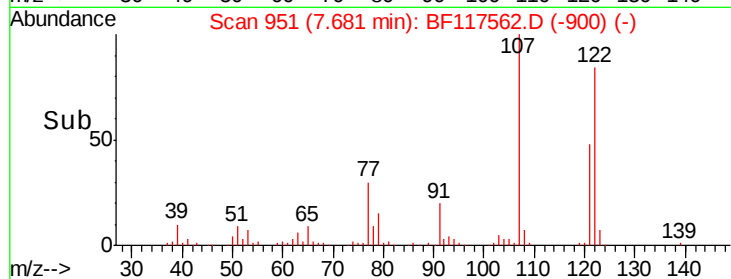
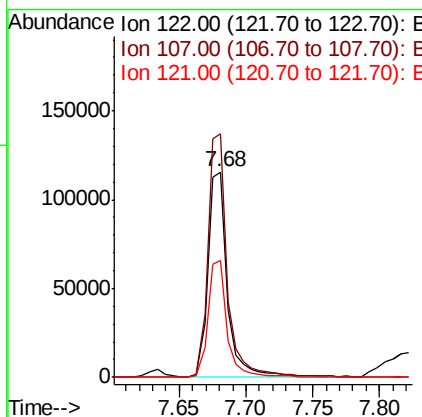
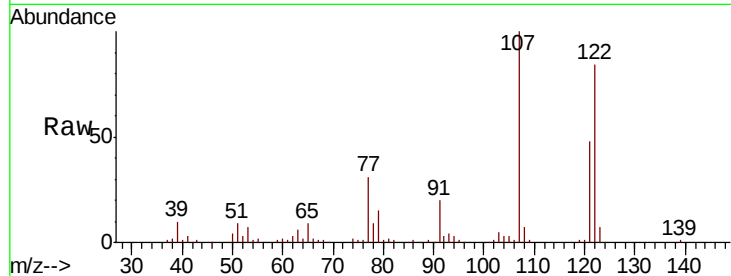
#27  
 2,4-Dimethylphenol  
 Concen: 54.980 ng  
 RT: 7.68 min Scan# 951  
 Delta R.T. 0.00 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 118771 |       |       |
| 107     | 118.6 | 96.8   | 145.2 |       |
| 121     | 56.7  | 46.4   | 69.6  |       |

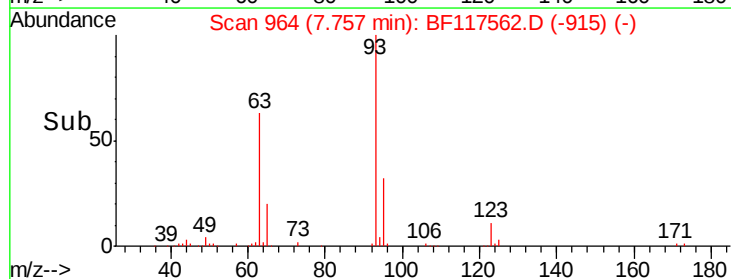
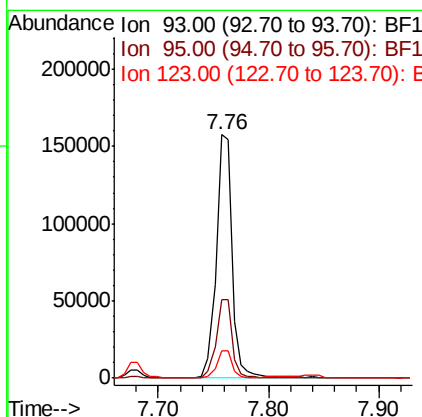
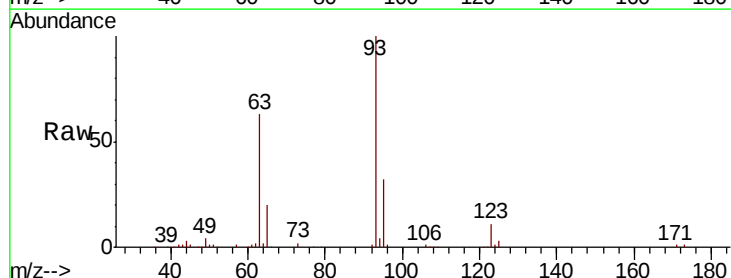
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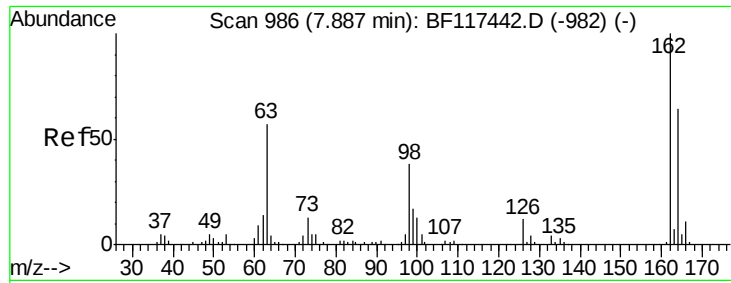
mohammad  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.994 ng  
 RT: 7.76 min Scan# 964  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 158910 |       |       |
| 95      | 32.1  | 25.5   | 38.3  |       |
| 123     | 11.0  | 9.0    | 13.6  |       |





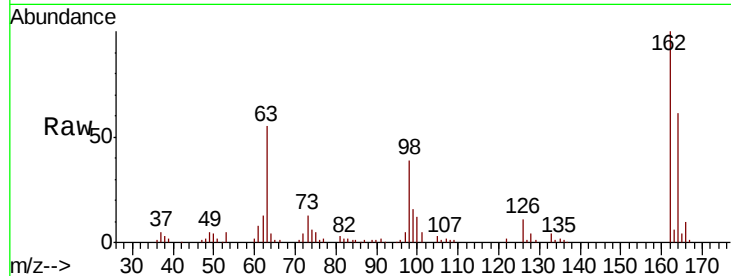
#29  
2,4-Dichlorophenol  
Concen: 46.968 ng  
RT: 7.89 min Scan# 986  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampled :  
R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 106422 |       |       |
| 164     | 61.5  | 44.4   | 84.4  |       |
| 98      | 38.8  | 18.2   | 58.2  |       |

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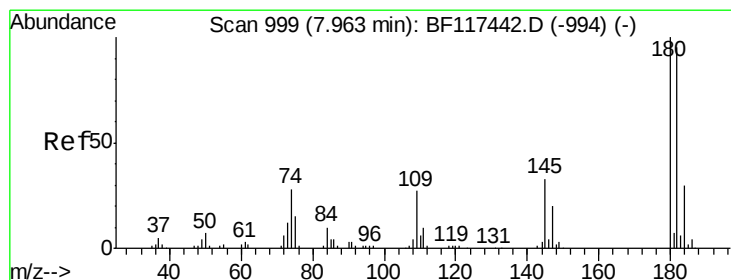
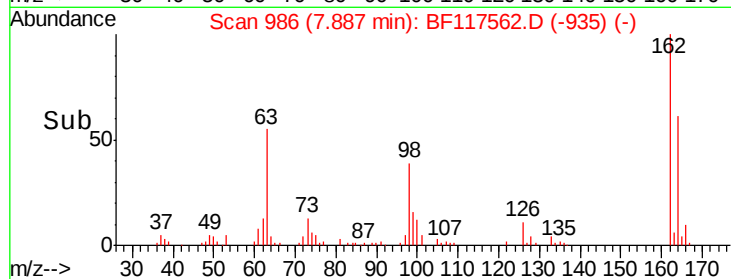
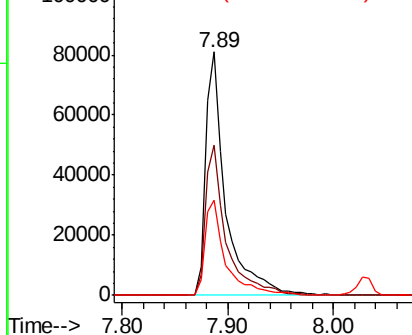


Abundance

Ion 162.00 (161.70 to 162.70): E

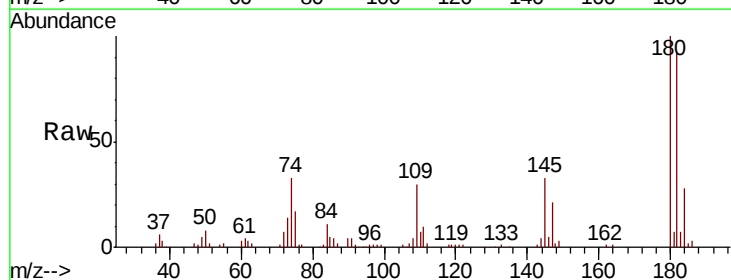
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
1,2,4-Trichlorobenzene  
Concen: 44.323 ng  
RT: 7.95 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 107774 |       |       |
| 182     | 93.4  | 75.8   | 113.8 |       |
| 145     | 32.9  | 26.5   | 39.7  |       |

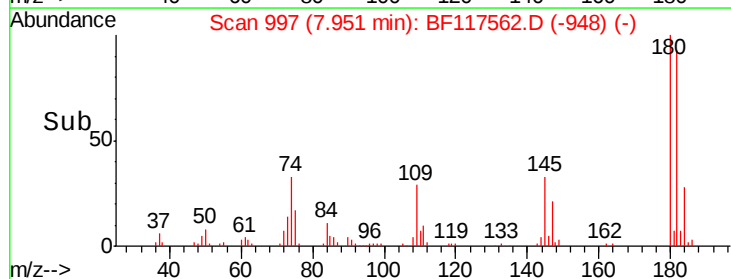
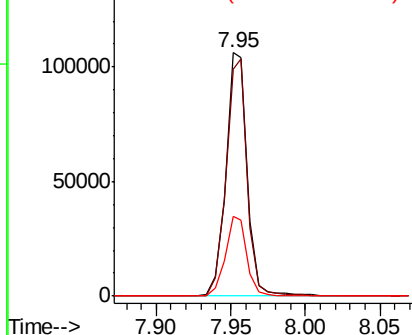


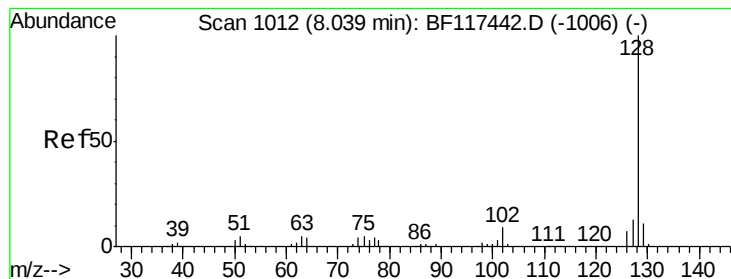
Abundance

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: 46.974 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

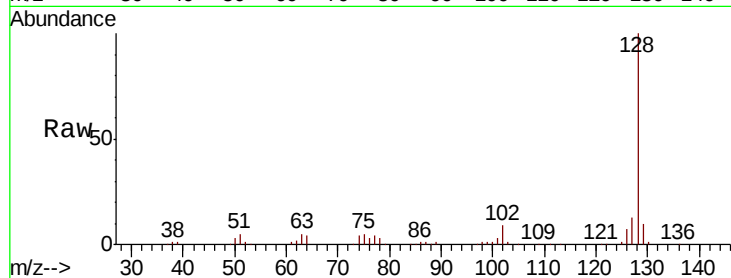
ClientSampled :

R-1MSD

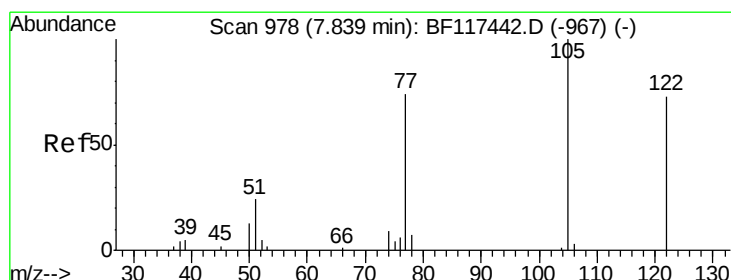
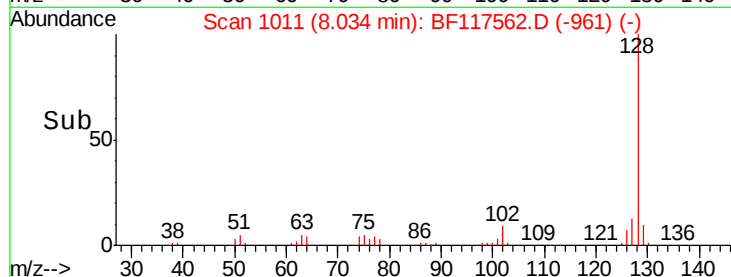
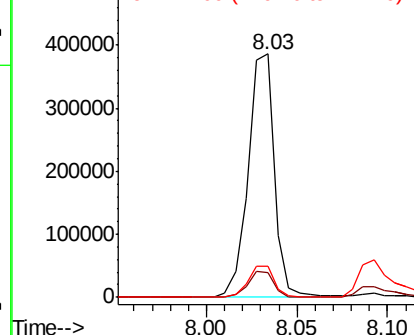
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 388949 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.2  | 9.0   | 13.4   |
| 127       | 13.0  | 10.2  | 15.2   |

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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: 37.283 ng

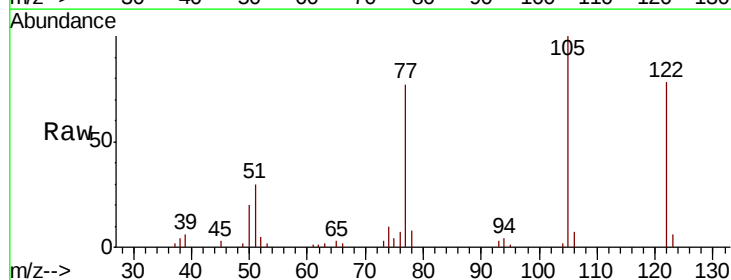
RT: 7.84 min Scan# 978

Delta R.T. 0.00 min

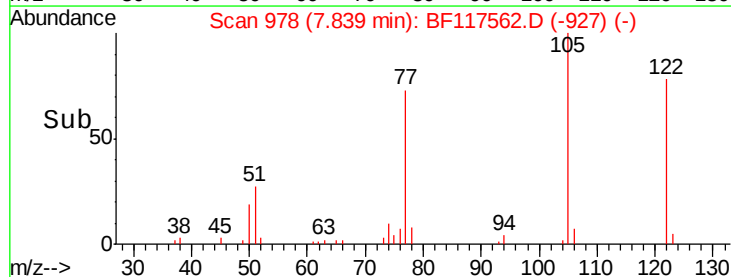
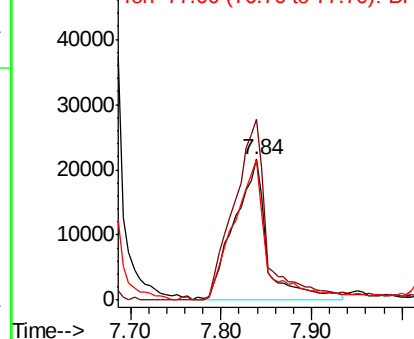
Lab File: BF117562.D

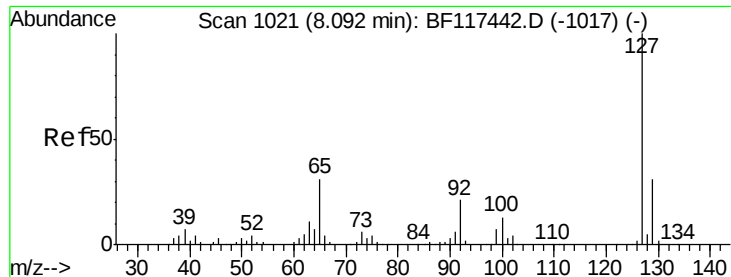
Acq: 28 Oct 2019 15:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 55165 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 128.7 | 115.0 | 155.0 |
| 77        | 99.3  | 79.7  | 119.7 |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





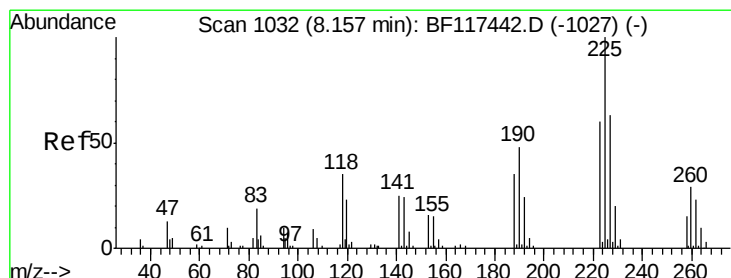
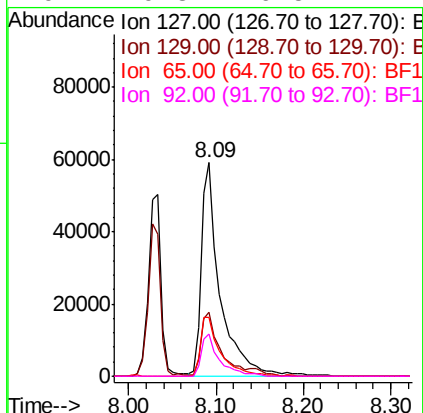
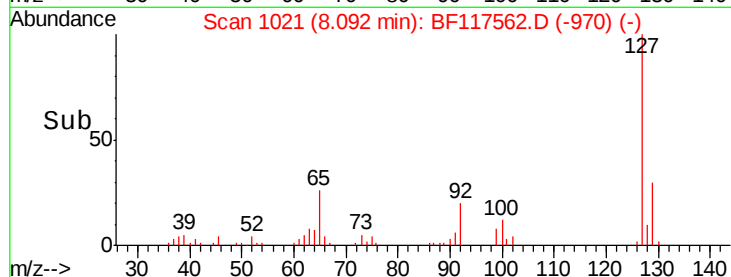
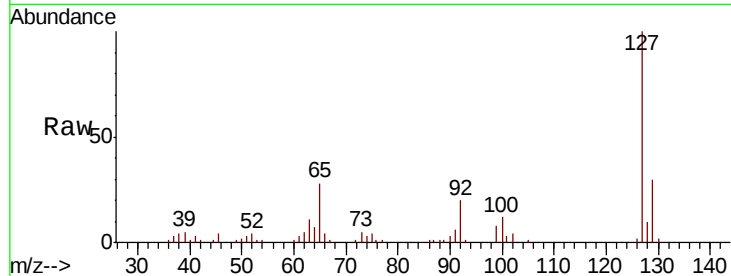
#33  
4-Chloroaniline  
Concen: 25.210 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 29.7  | 24.8  | 37.2  |
| 65      | 27.6  | 24.6  | 37.0  |
| 92      | 19.8  | 16.5  | 24.7  |

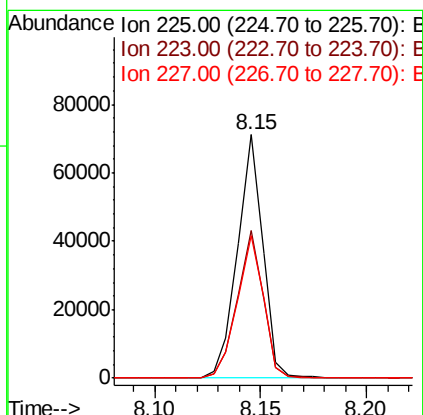
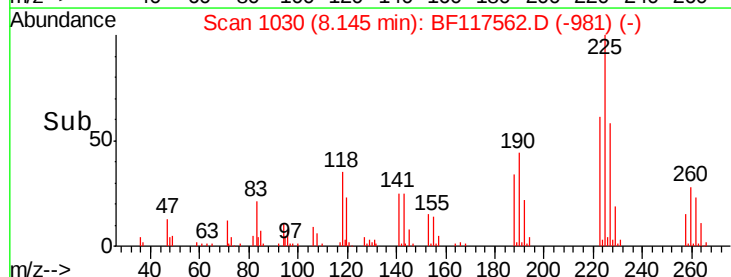
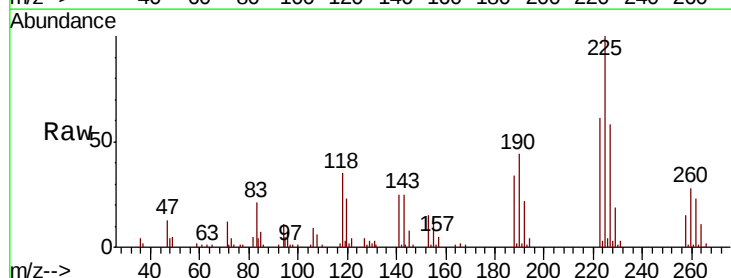
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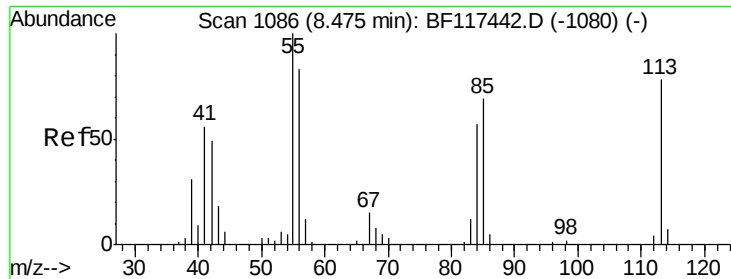
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 41.861 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.5  | 48.2  | 72.4  |
| 227     | 58.3  | 50.2  | 75.4  |





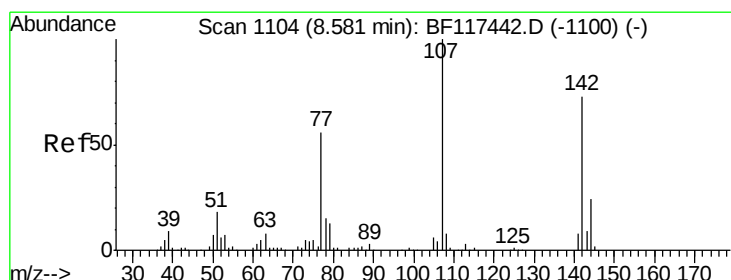
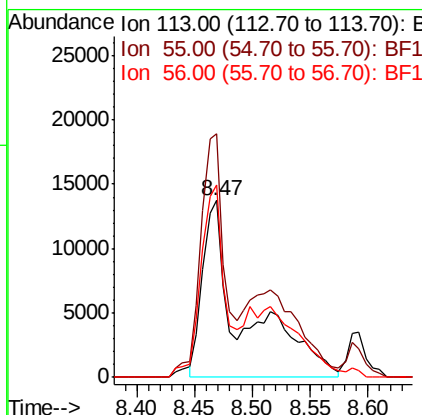
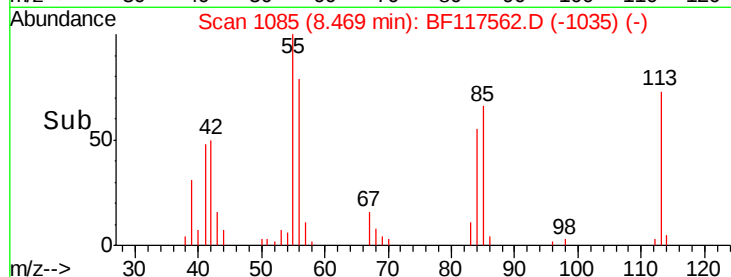
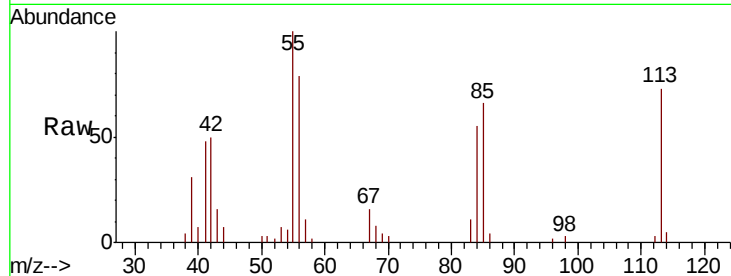
#35  
 Caprolactam  
 Concen: 46.707 ng/ml  
 RT: 8.47 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleID :  
 R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 137.8 | 108.8 | 148.8 |
| 56      | 109.2 | 87.2  | 127.2 |

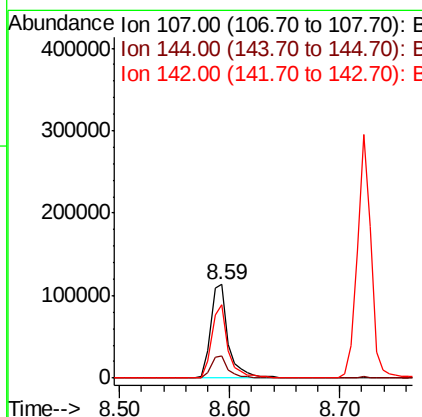
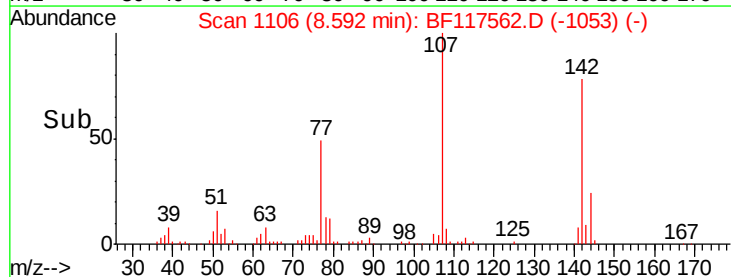
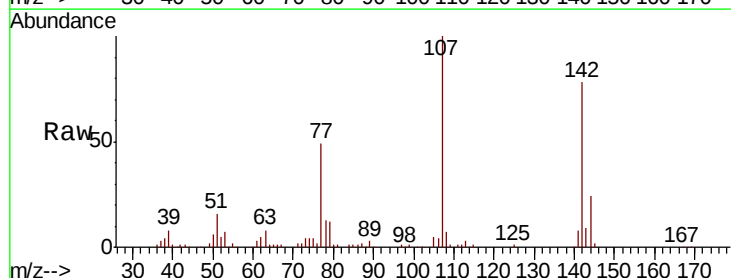
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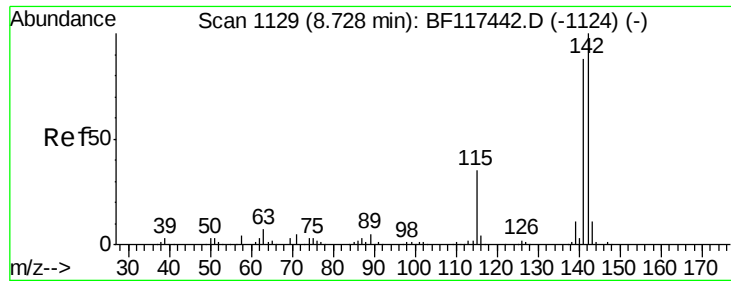
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#36  
 4-Chloro-3-methylphenol  
 Concen: 47.615 ng/ml  
 RT: 8.59 min Scan# 1106  
 Delta R.T. 0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.4  | 18.9  | 28.3  |
| 142     | 77.9  | 58.6  | 88.0  |





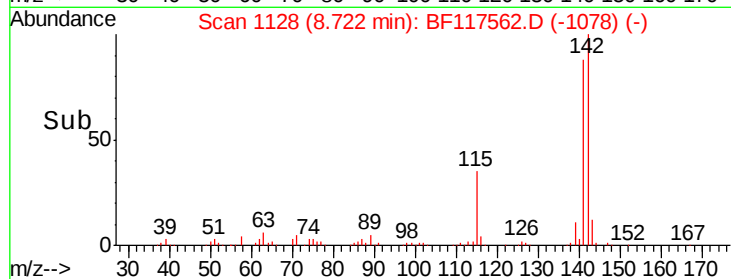
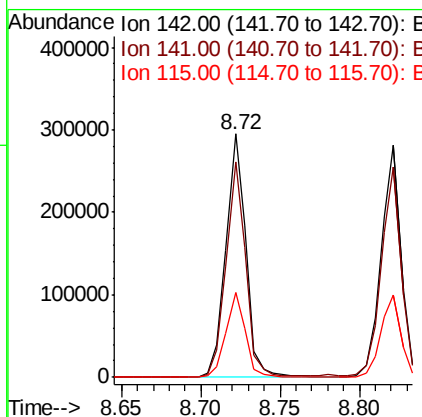
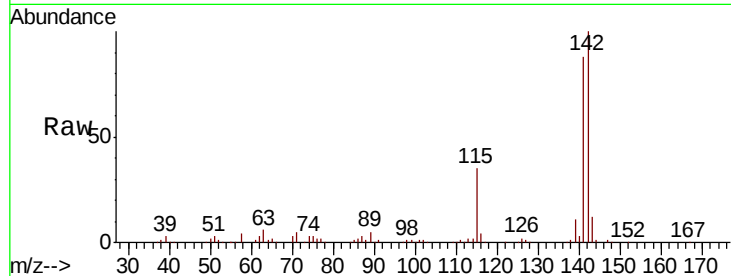
#37  
2-Methylnaphthalene  
Concen: 46.461 ng  
RT: 8.72 min Scan# 1128  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.4  | 70.3  | 105.5 |
| 115     | 35.1  | 28.2  | 42.2  |

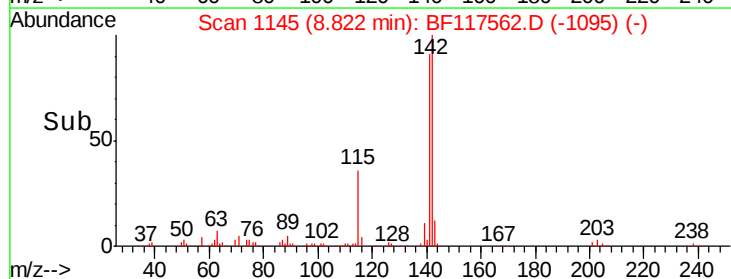
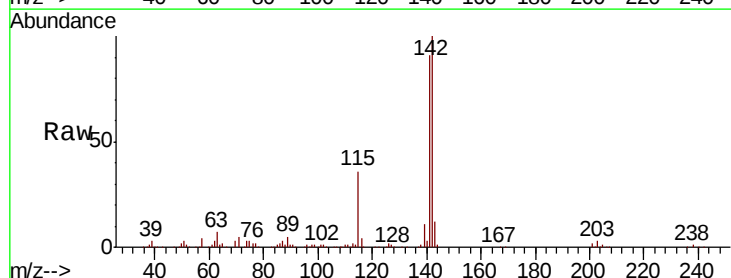
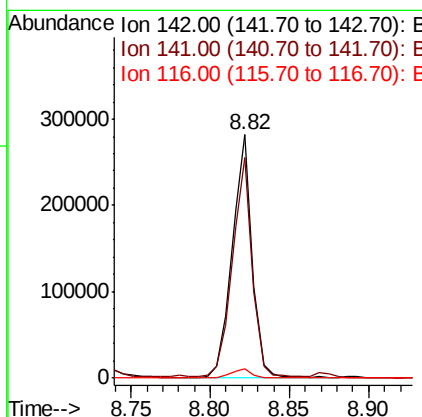
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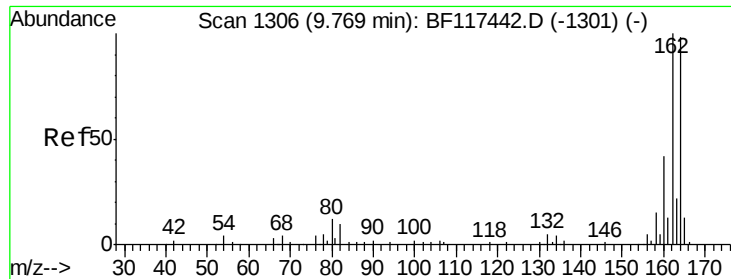
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 46.519 ng  
RT: 8.82 min Scan# 1145  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 73.3  | 109.9 |
| 116     | 3.7   | 3.1   | 4.7   |





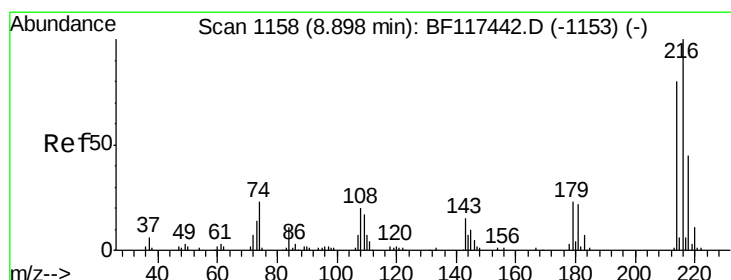
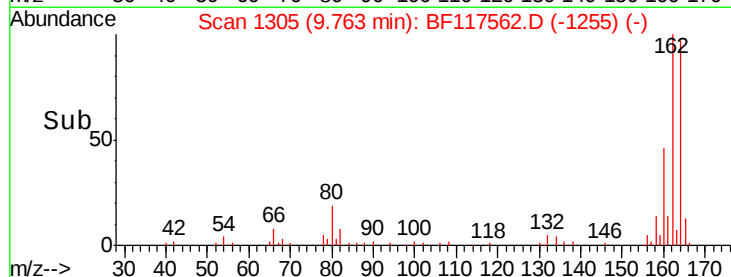
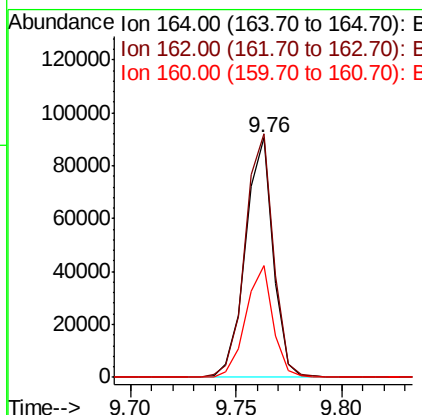
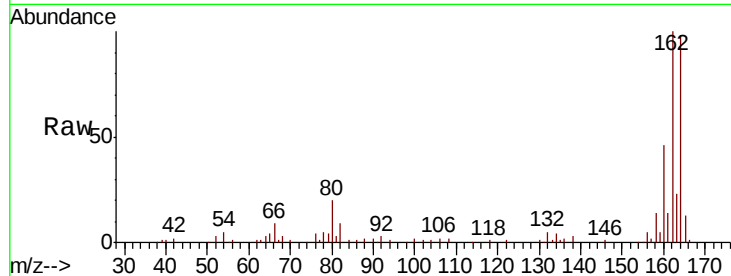
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 81.8  | 122.6 |
| 160     | 46.4  | 34.4  | 51.6  |

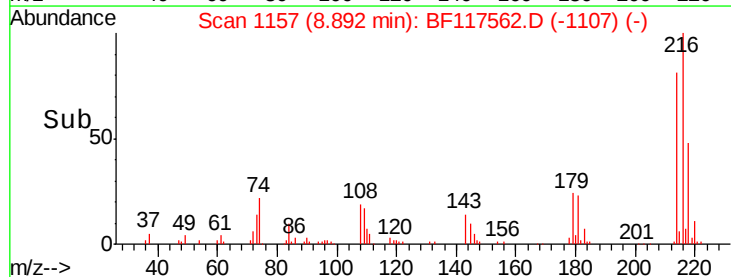
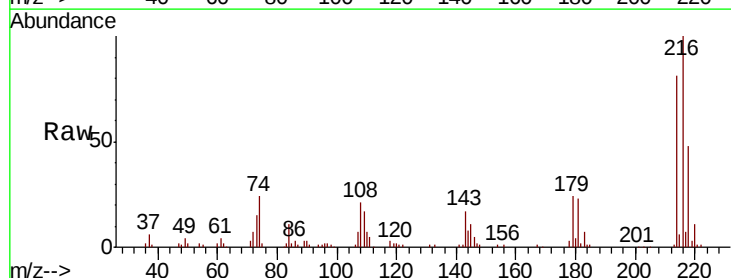
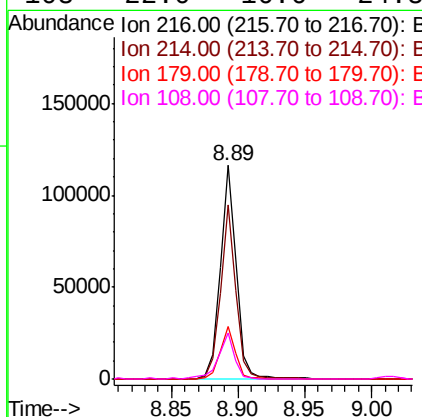
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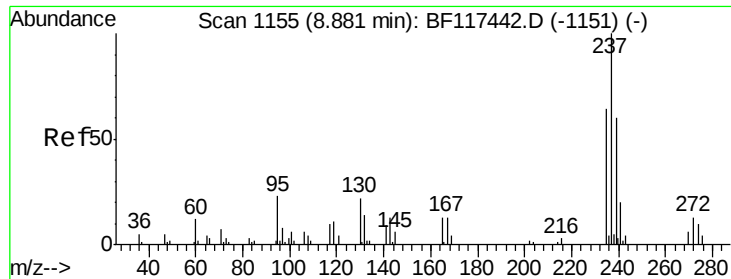
mohammad  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.450 ng  
RT: 8.89 min Scan# 1157  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.4  | 62.4  | 93.6  |
| 179     | 23.4  | 18.1  | 27.1  |
| 108     | 22.0  | 16.6  | 24.8  |





#41

Hexachlorocyclopentadiene

Concen: 57.727 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

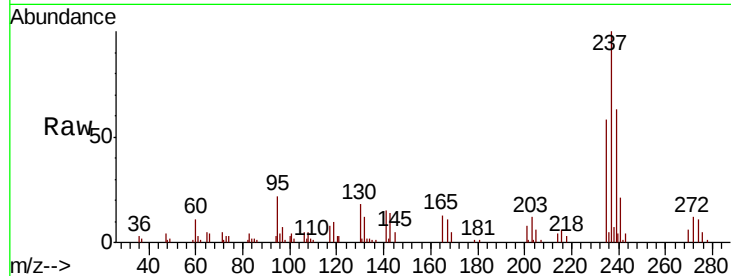
ClientSampled :

R-1MSD

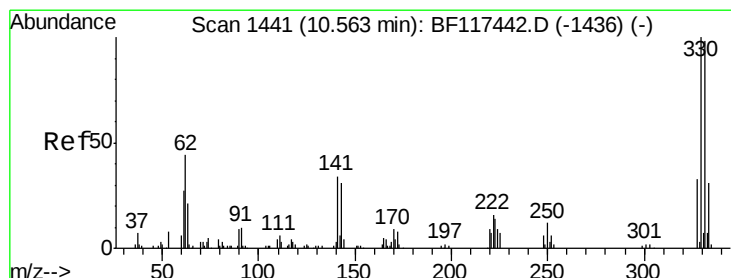
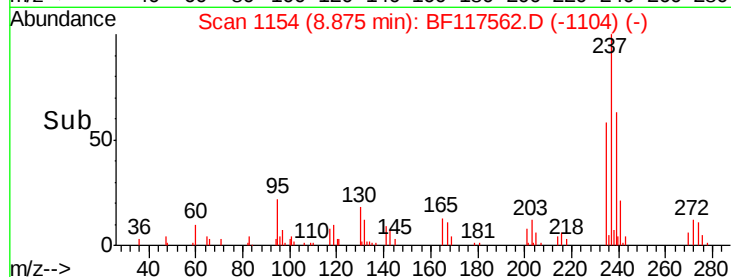
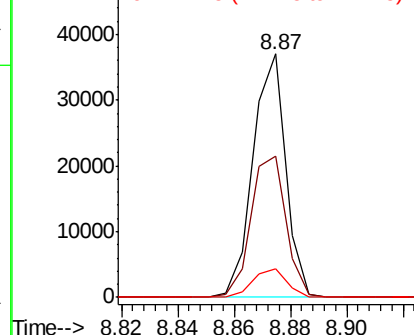
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 237   | Resp: | 29773 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 58.0  | 44.3  | 84.3  |
| 272       | 11.9  | 0.0   | 33.2  |

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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: 98.873 ng

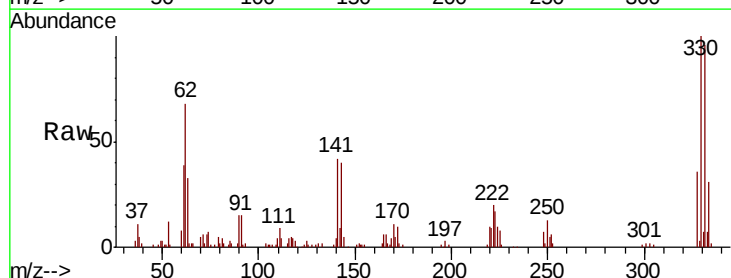
RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

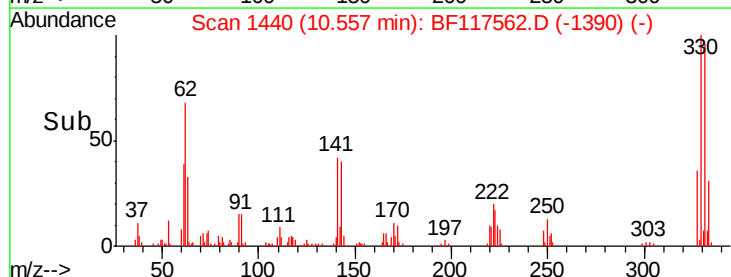
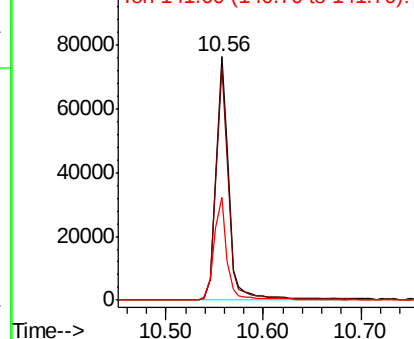
Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 70564 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 94.7  | 78.5  | 117.7 |
| 141       | 41.8  | 37.0  | 55.6  |



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





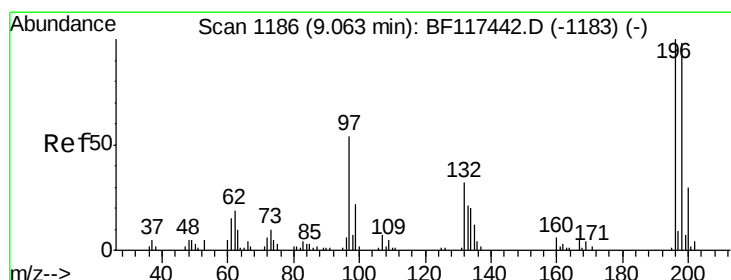
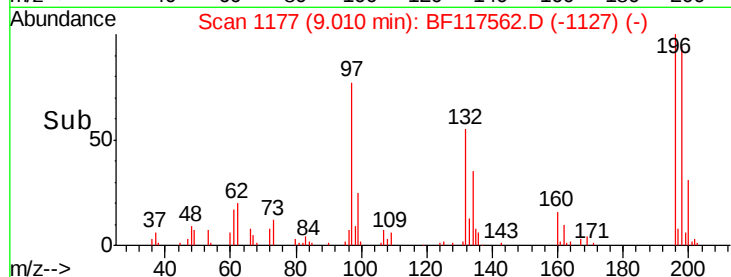
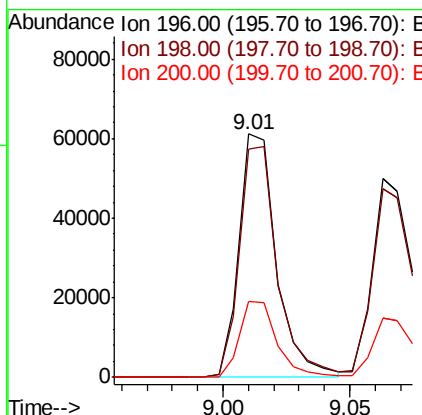
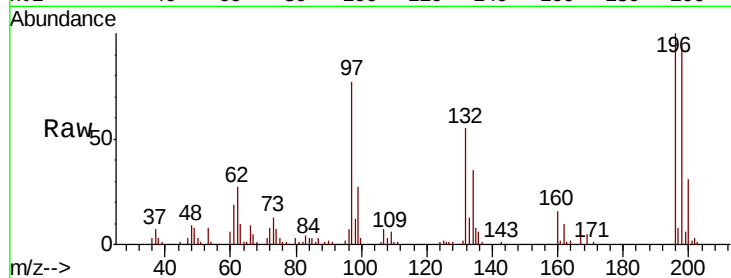
#43  
 2,4,6-Trichlorophenol  
 Concen: 45.449 ng  
 RT: 9.01 min Scan# 1177  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 196   | Resp: | 63229 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 93.5  | 74.1  | 111.1 |
| 200       | 31.0  | 23.9  | 35.9  |

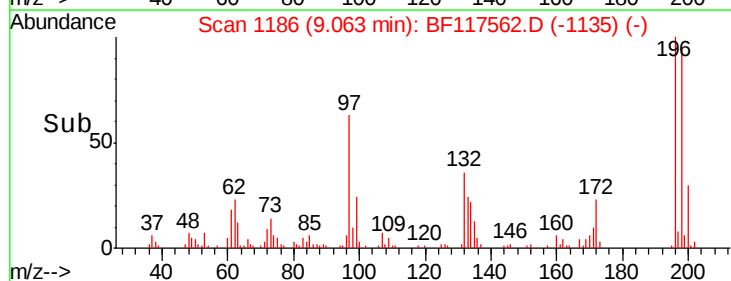
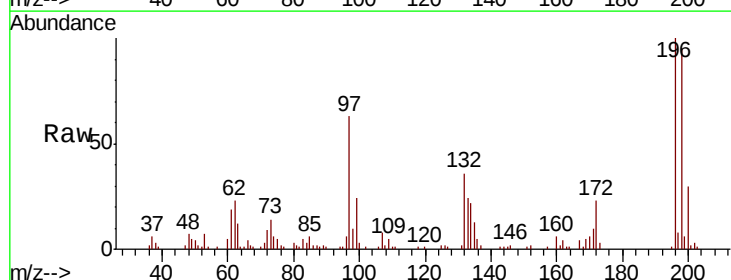
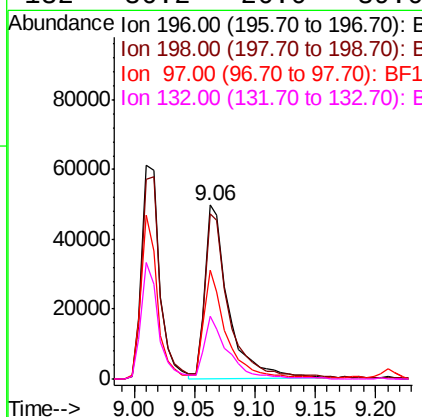
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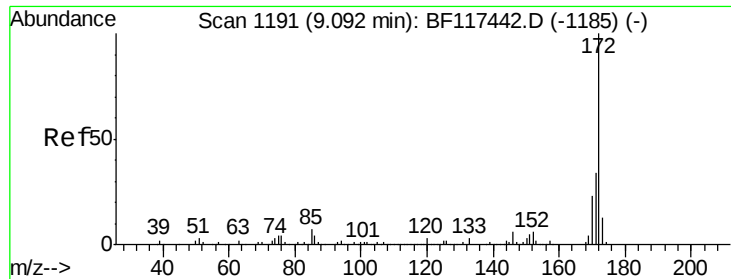
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#44  
 2,4,5-Trichlorophenol  
 Concen: 47.312 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 66697 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 94.9  | 78.6  | 117.8 |
| 97        | 62.5  | 43.4  | 65.2  |
| 132       | 36.2  | 26.0  | 39.0  |





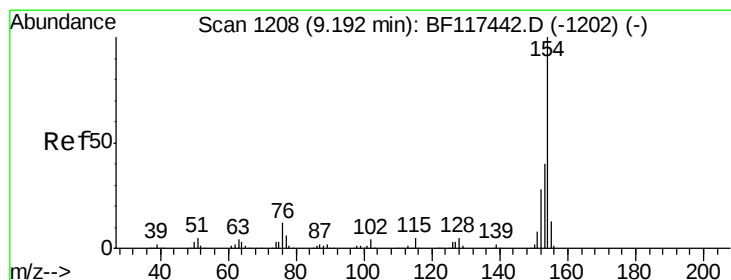
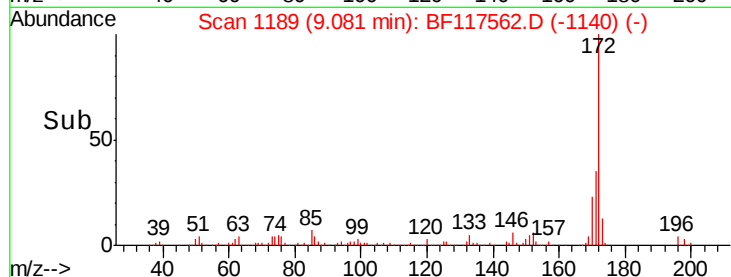
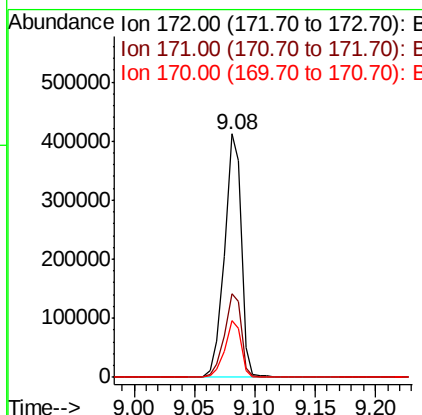
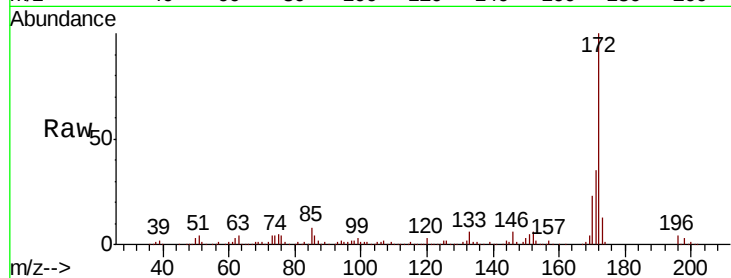
#45  
2-Fluorobiphenyl  
Concen: 67.807 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 396944 |       |       |
| 171     | 34.6  |        | 27.5  | 41.3  |
| 170     | 23.3  |        | 18.6  | 27.8  |

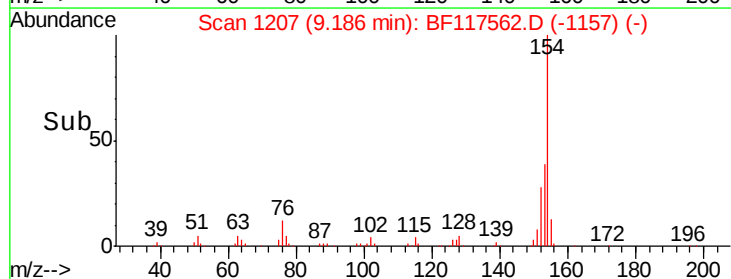
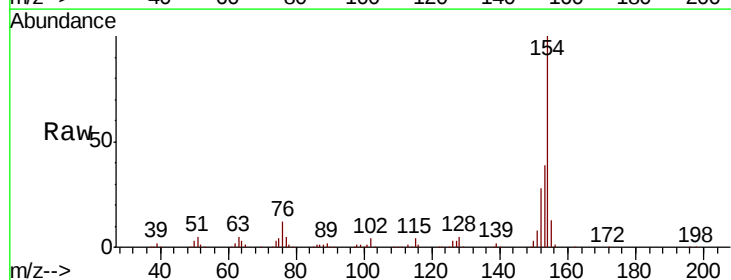
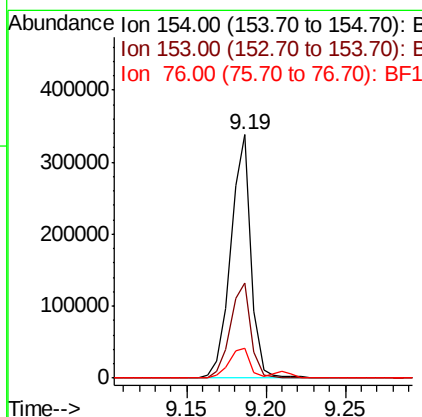
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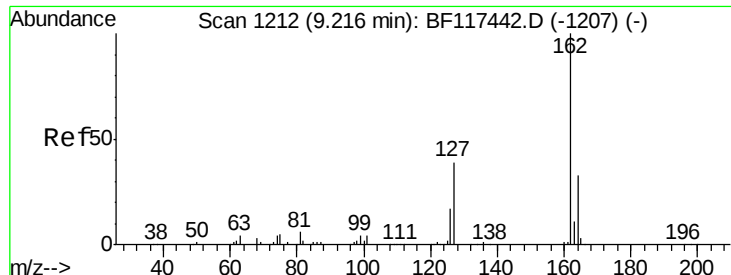
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#46  
1,1'-Biphenyl  
Concen: 43.713 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 298489 |       |       |
| 153     | 39.2  |        | 20.2  | 60.2  |
| 76      | 12.3  |        | 0.0   | 32.1  |





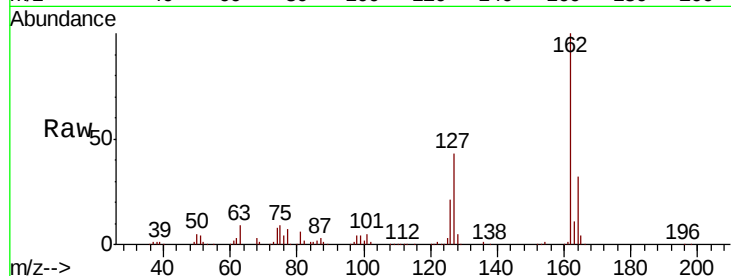
#47  
 2-Chloronaphthalene  
 Concen: 45.931 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

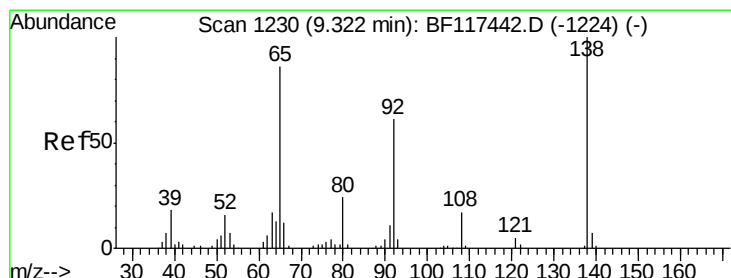
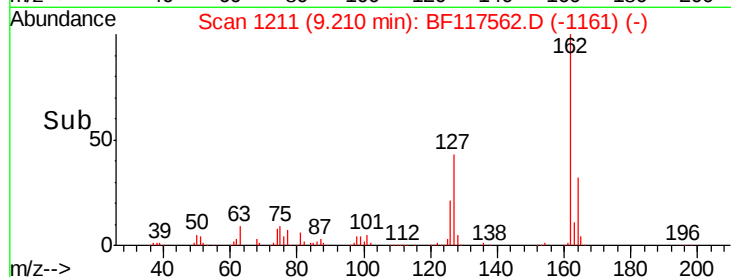
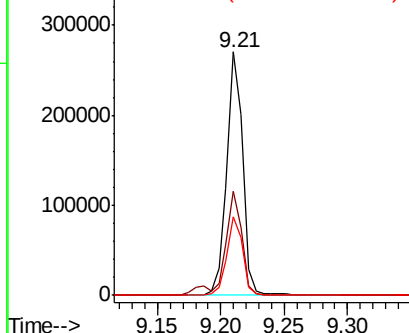
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 236475 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 42.7  | 34.2  | 51.4   |
| 164       | 32.5  | 26.4  | 39.6   |

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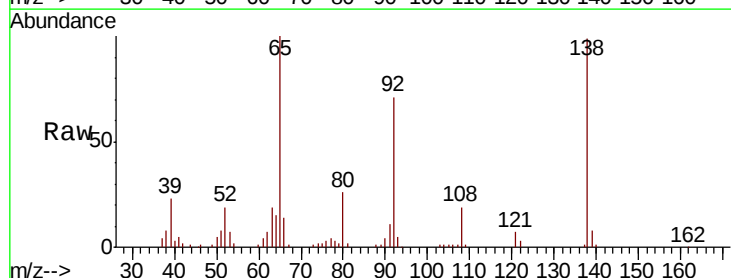


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

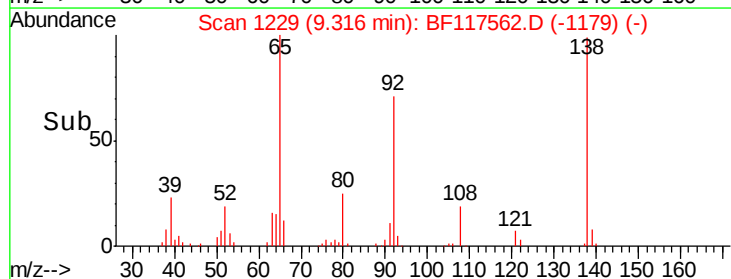
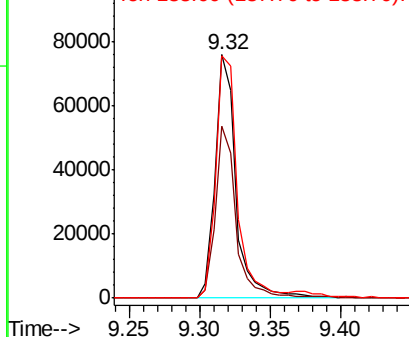


#48  
 2-Nitroaniline  
 Concen: 46.243 ng  
 RT: 9.32 min Scan# 1229  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 78157 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 70.6  | 57.3  | 85.9  |
| 138       | 99.5  | 93.3  | 139.9 |



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: 49.216 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

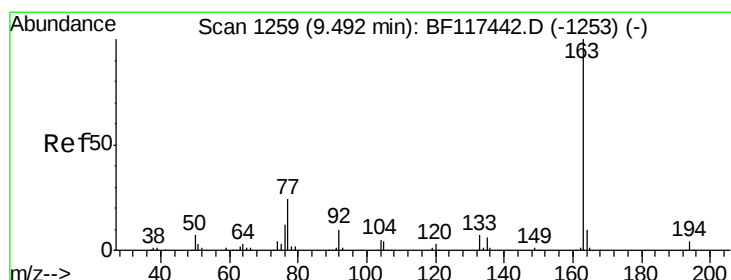
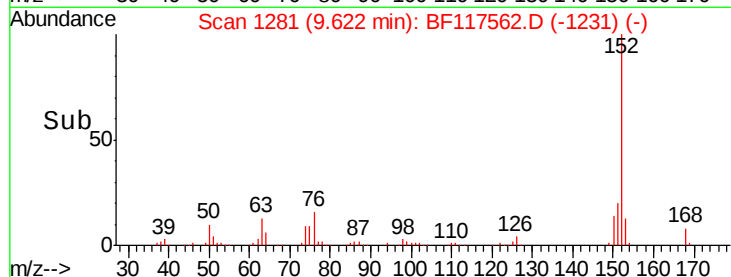
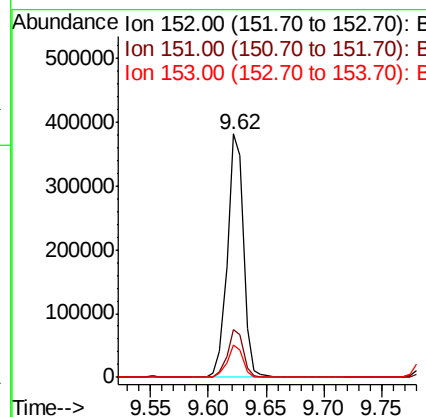
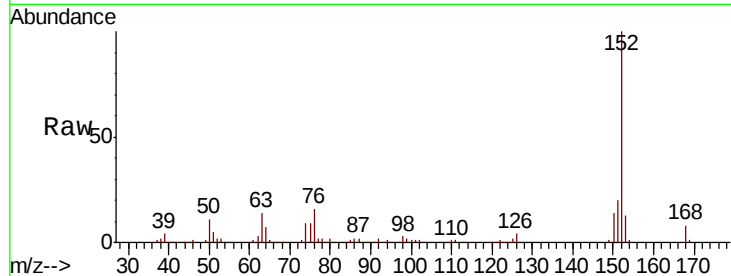
ClientSampleId :

R-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 372188 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.5  | 15.4  | 23.0   |
| 153       | 13.2  | 10.3  | 15.5   |

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#50

Dimethylphthalate

Concen: 51.730 ng

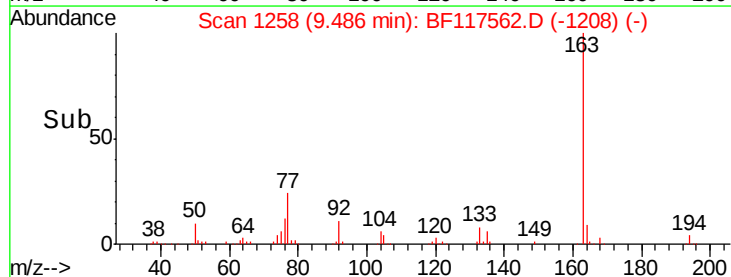
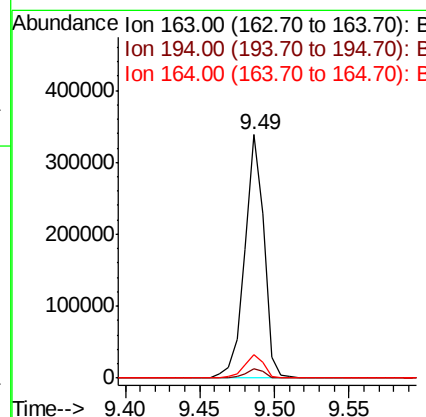
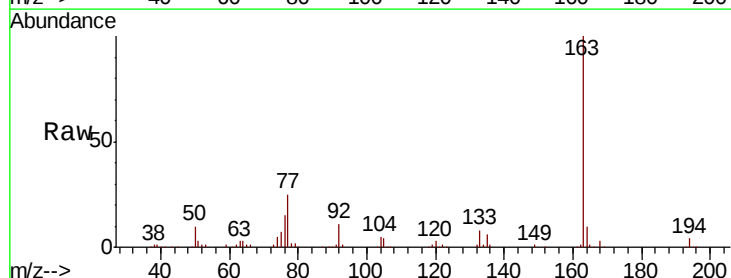
RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 304179 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.8   | 2.9   | 4.3    |
| 164       | 9.7   | 8.2   | 12.2   |





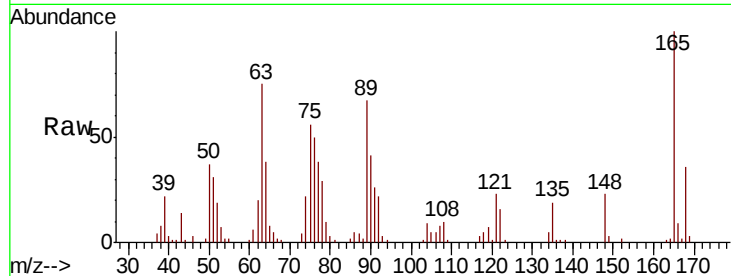
#51  
2,6-Dinitrotoluene  
Concen: 47.444 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

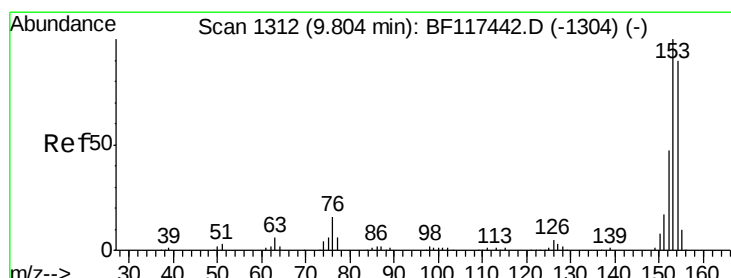
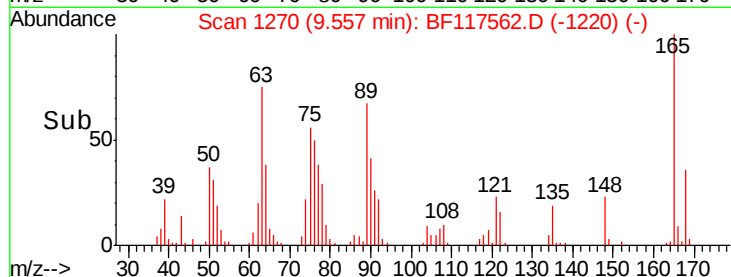
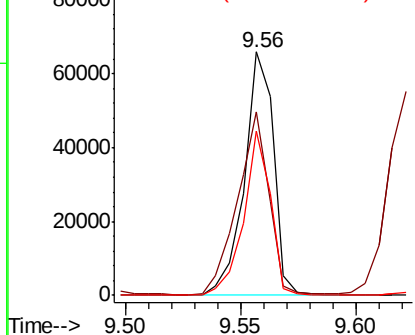
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 58215 |       |       |
| 63      | 75.4  |       | 43.8  | 65.8# |
| 89      | 67.4  |       | 47.6  | 71.4  |

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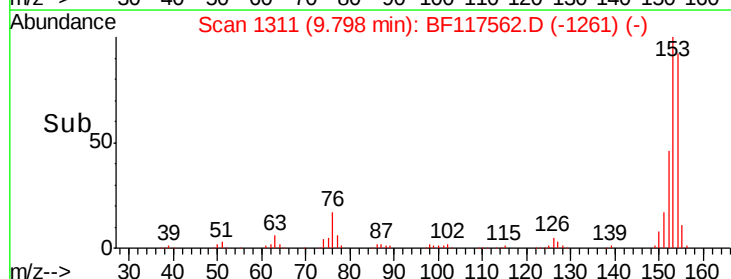
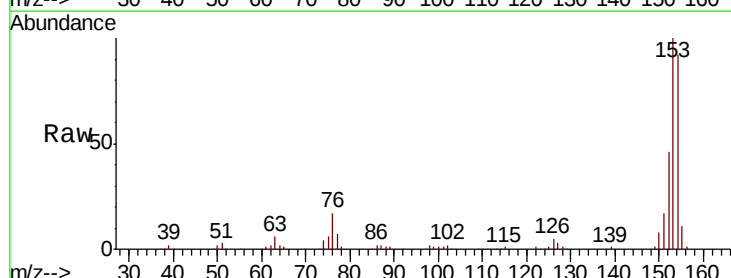
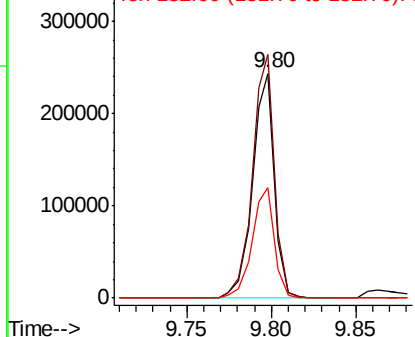
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

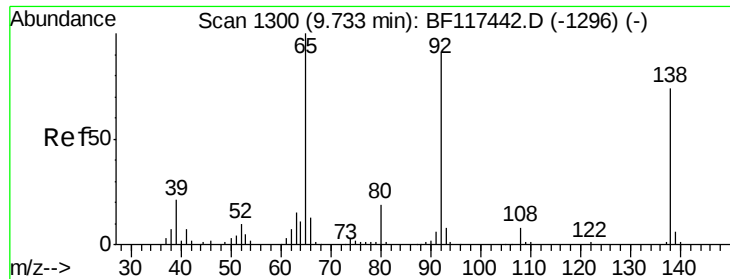


#52  
Acenaphthene  
Concen: 47.235 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 219154 |       |       |
| 153     | 108.5 |        | 89.2  | 133.8 |
| 152     | 49.4  |        | 41.8  | 62.6  |

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





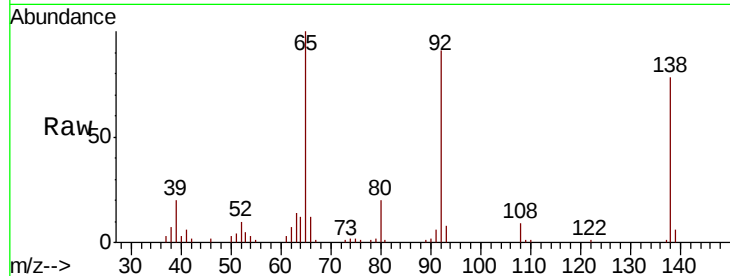
#53  
3-Nitroaniline  
Concen: 28.458 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.8  | 8.7   | 13.1  |
| 92      | 116.3 | 98.4  | 147.6 |

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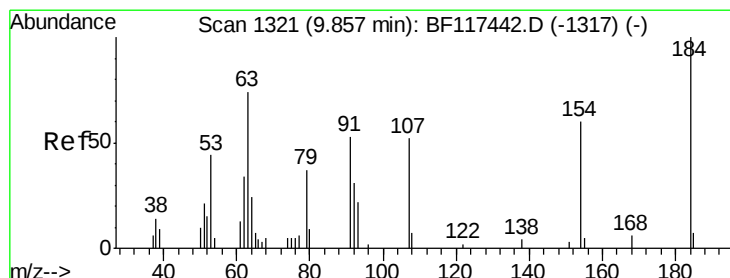
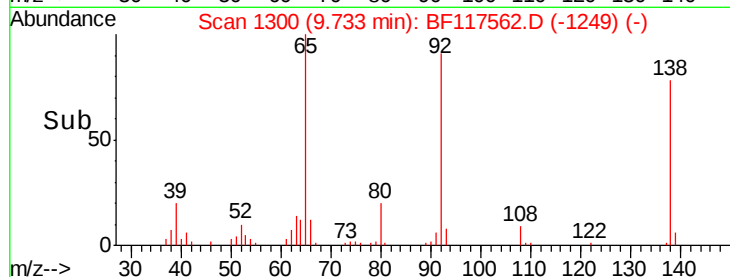
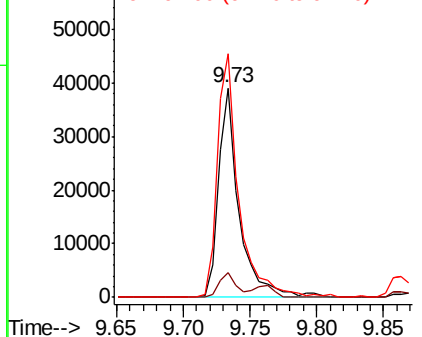


Abundance

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: 52.160 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. 0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

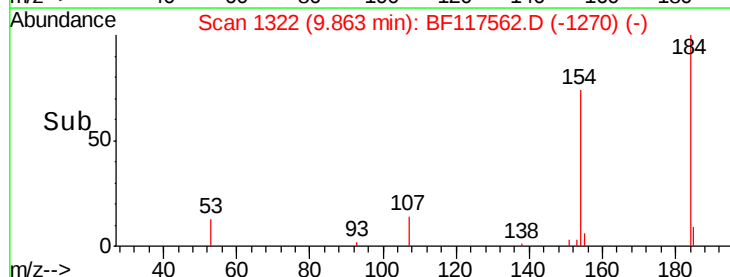
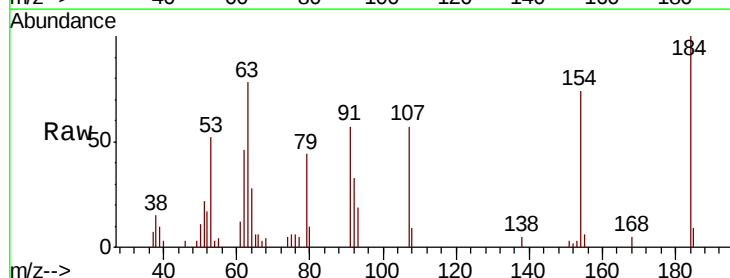
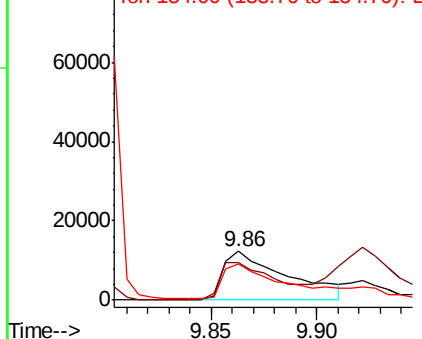
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 77.9  | 59.2  | 88.8  |
| 154     | 73.8  | 53.4  | 80.0  |

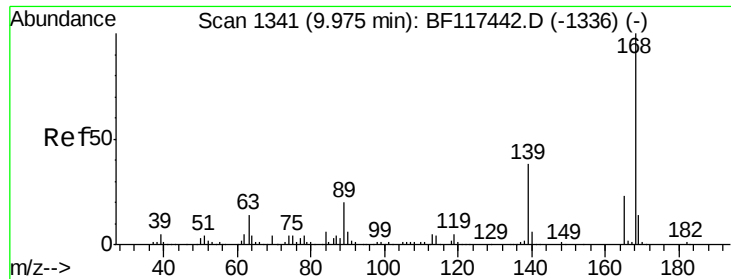
Abundance

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





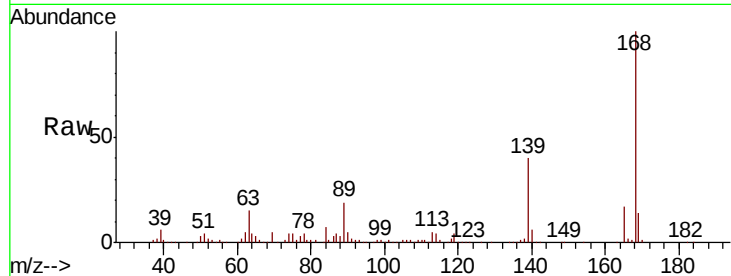
#55  
Dibenzofuran  
Concen: 48.065 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleID :  
R-1MSD

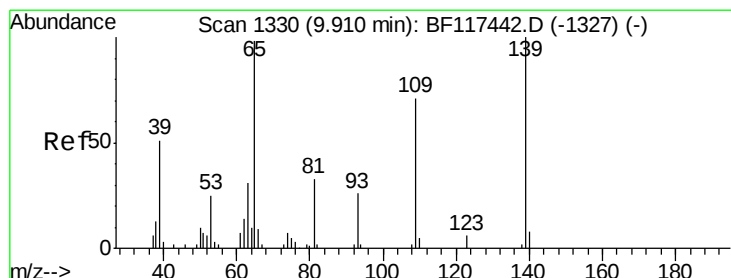
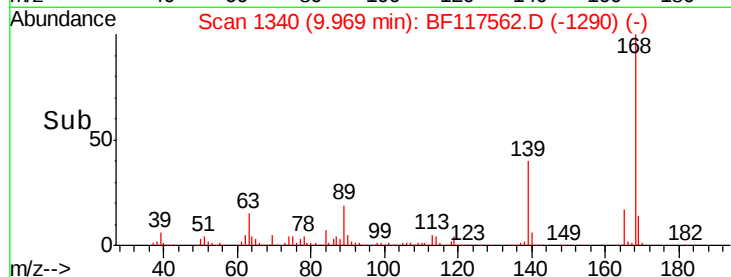
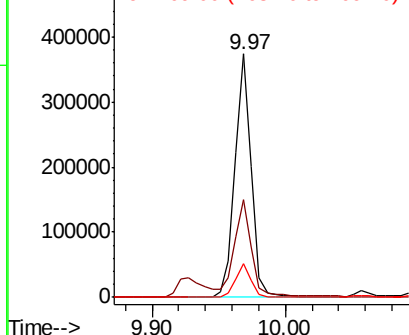
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.0  | 31.8  | 47.6  |
| 169     | 13.9  | 11.2  | 16.8  |

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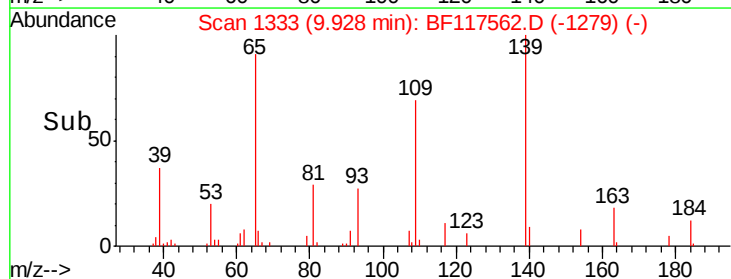
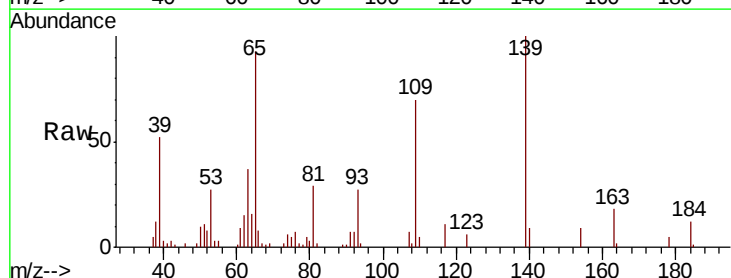
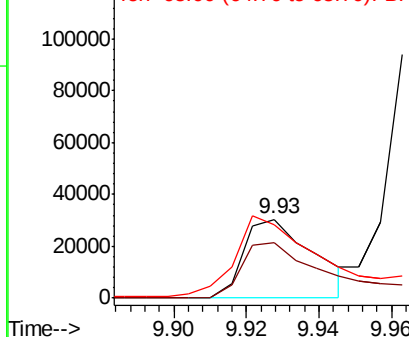
Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

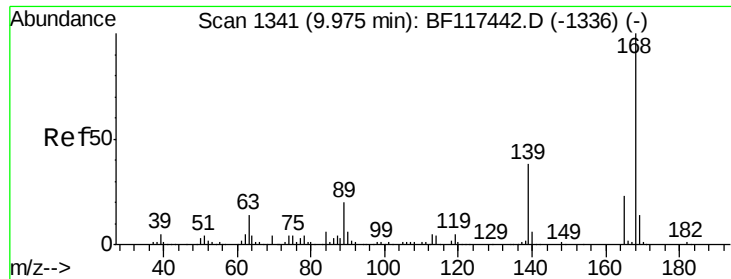


#56  
4-Nitrophenol  
Concen: 60.143 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. 0.02 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 69.9  | 51.4  | 91.4  |
| 65      | 93.2  | 79.4  | 119.4 |

Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1





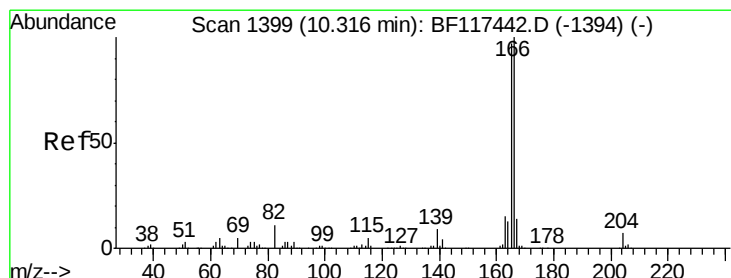
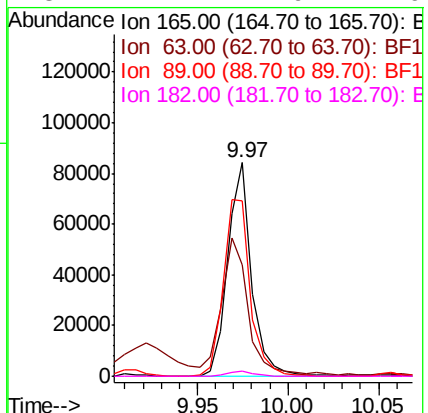
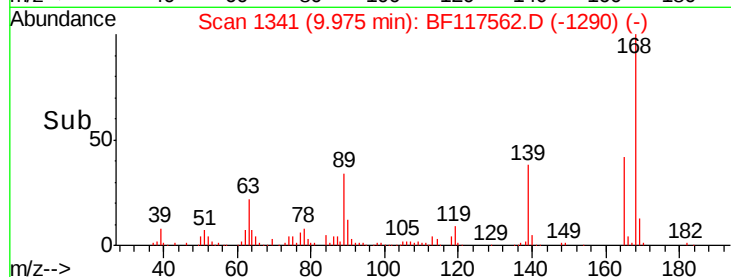
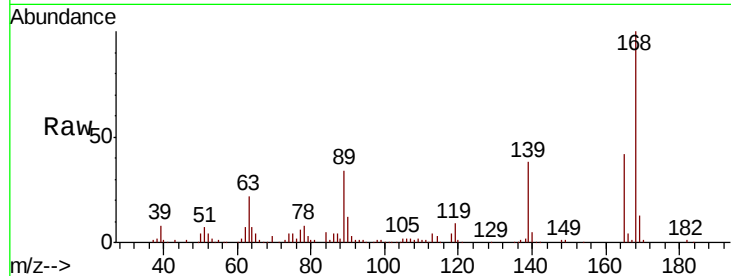
#57  
2,4-Dinitrotoluene  
Concen: 47.328 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 52.4  | 51.4  | 77.0  |
| 89      | 82.1  | 69.9  | 104.9 |
| 182     | 2.4   | 1.9   | 2.9   |

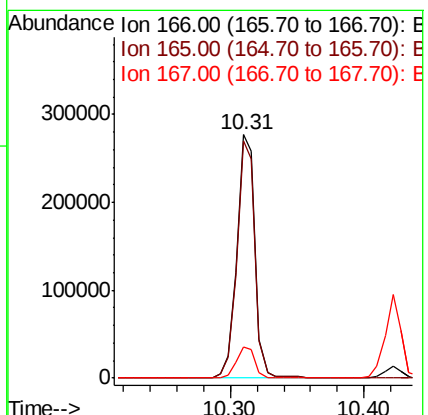
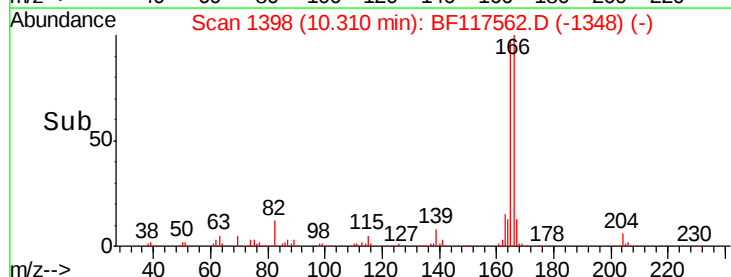
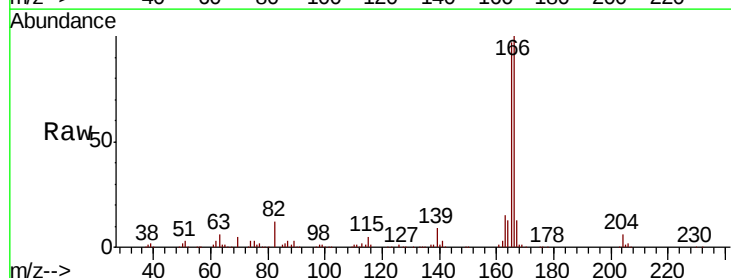
Manual Integrations  
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#58  
Fluorene  
Concen: 47.534 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.3  | 77.6  | 116.4 |
| 167     | 13.0  | 11.0  | 16.4  |





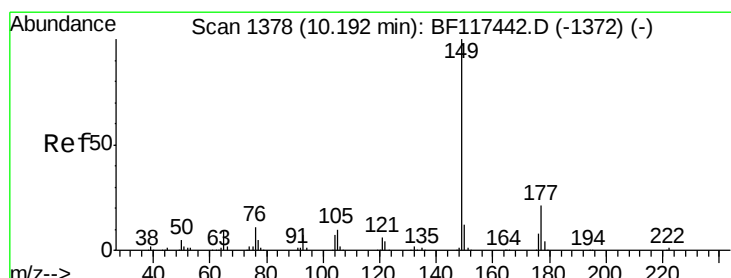
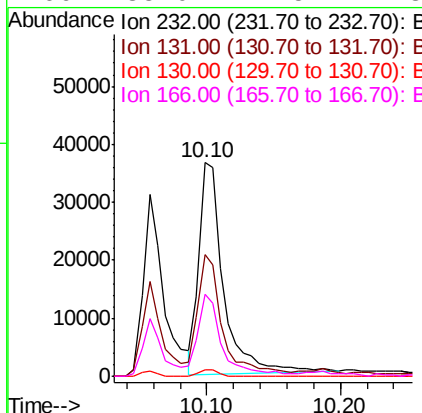
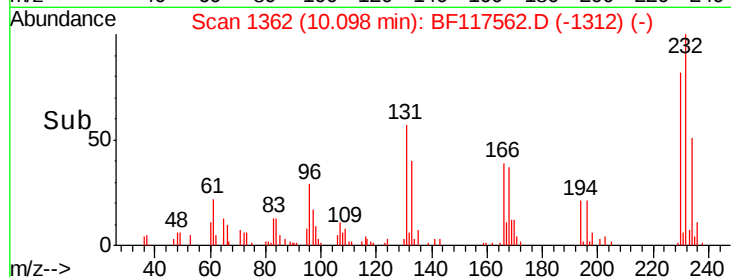
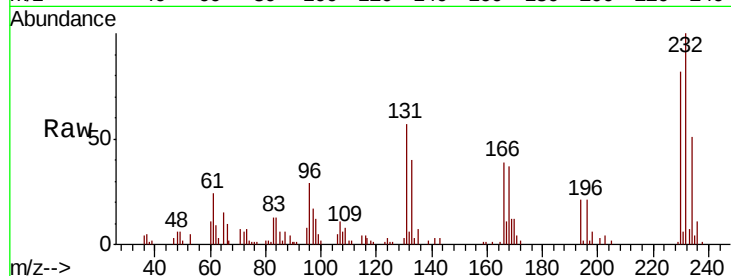
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.421 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 56.5  | 42.6  | 63.8  |
| 130     | 2.5   | 2.2   | 3.4   |
| 166     | 35.0  | 27.5  | 41.3  |

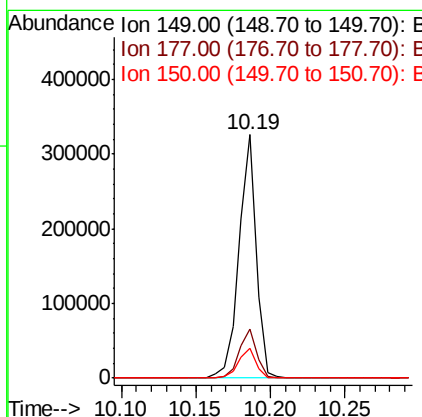
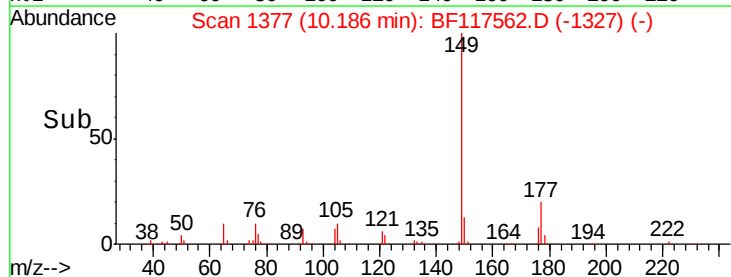
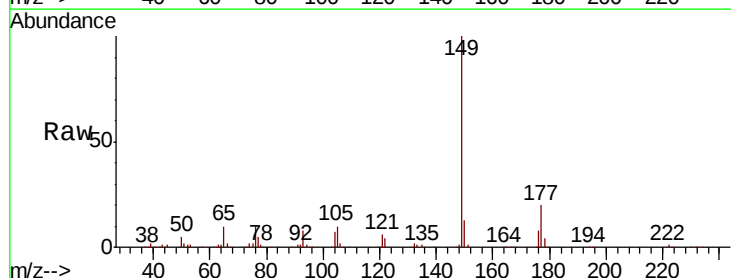
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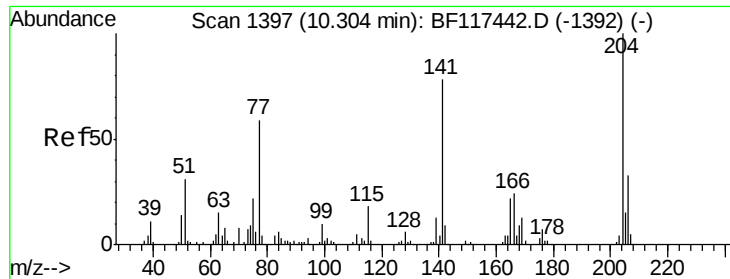
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#60  
Diethylphthalate  
Concen: 44.561 ng  
RT: 10.19 min Scan# 1377  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.3  | 17.0  | 25.4  |
| 150     | 12.5  | 9.8   | 14.6  |





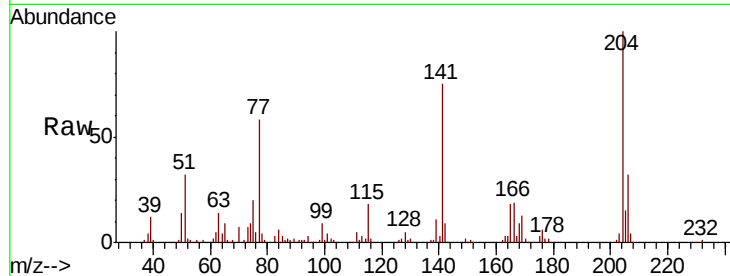
#61  
4-Chlorophenyl-phenylether  
Concen: 45.647 ng  
RT: 10.30 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 31.9  | 26.3  | 39.5  |
| 141     | 75.0  | 62.2  | 93.4  |

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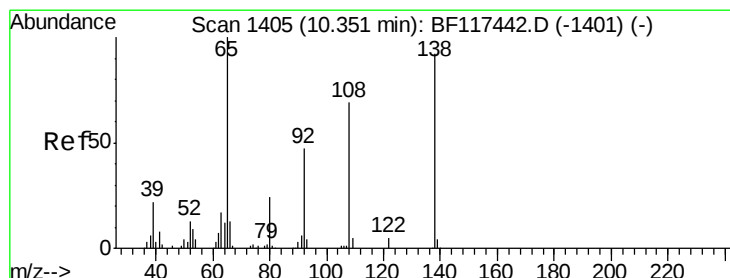
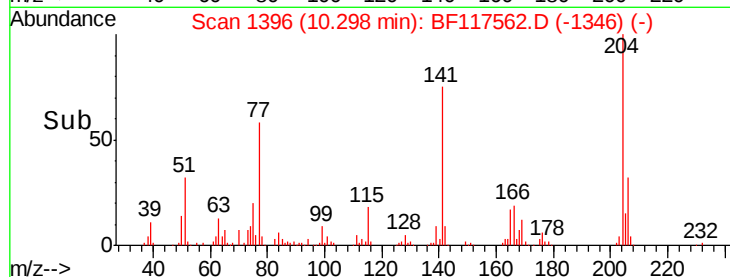
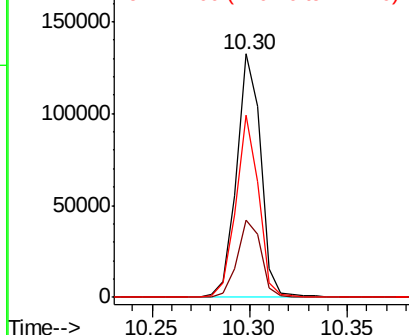


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 42.463 ng  
RT: 10.35 min Scan# 1405  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

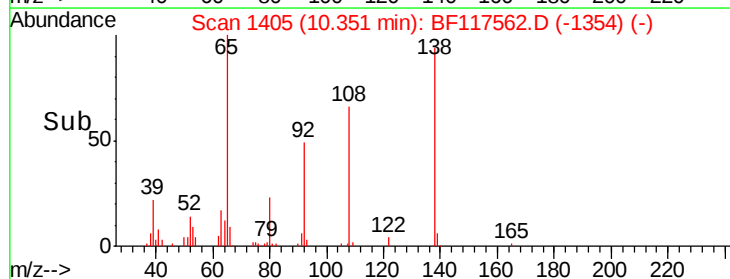
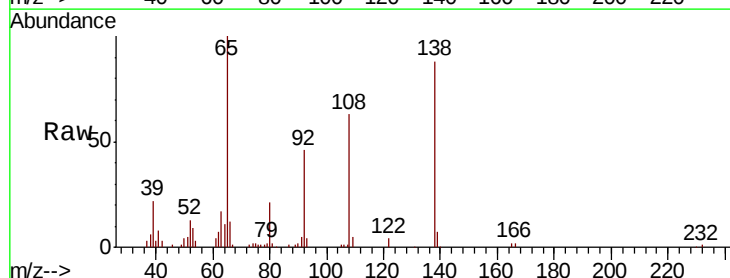
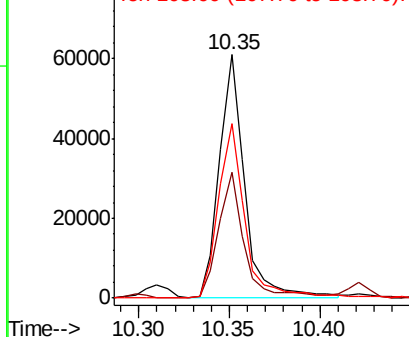
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.9  | 30.3  | 70.3  |
| 108     | 71.7  | 54.9  | 94.9  |

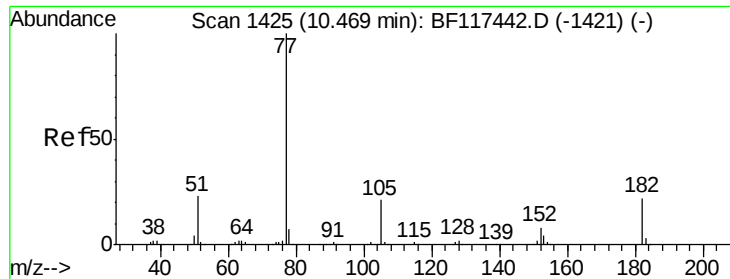
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





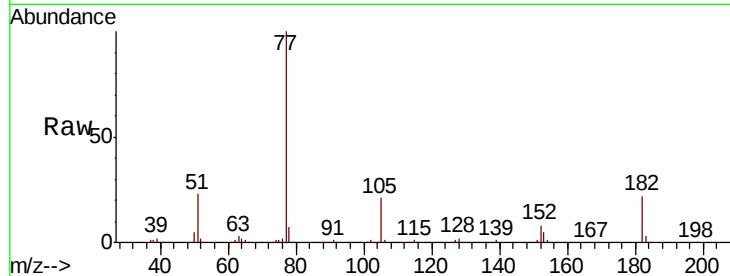
#63  
Azobenzene  
Concen: 47.901 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampled :  
R-1MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 291639 |       |       |
| 182     | 22.2 | 2.3   | 42.3   |       |       |
| 105     | 21.2 | 1.3   | 41.3   |       |       |
| 51      | 23.2 | 3.5   | 43.5   |       |       |

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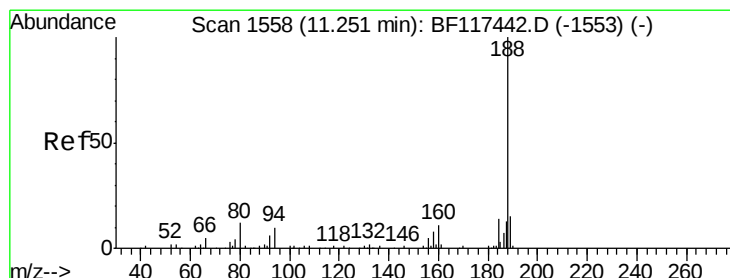
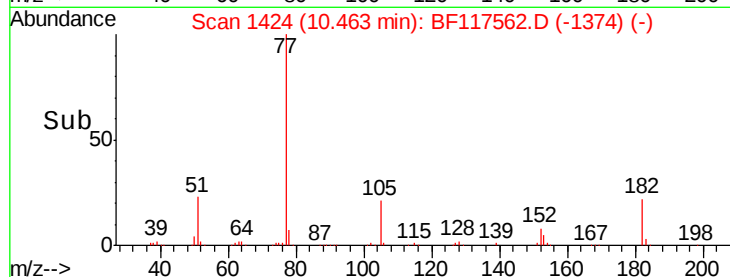
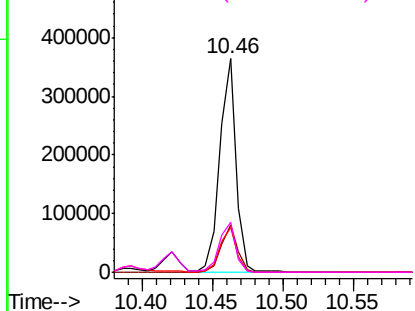
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

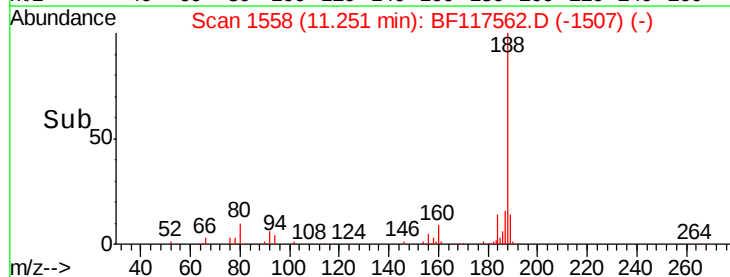
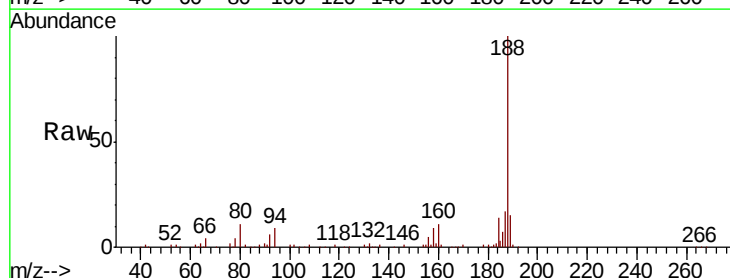
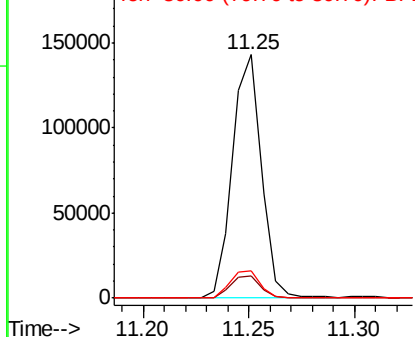
| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 188     | 100  |       | 135507 |       |       |
| 94      | 9.0  | 8.0   | 12.0   |       |       |
| 80      | 11.0 | 9.5   | 14.3   |       |       |

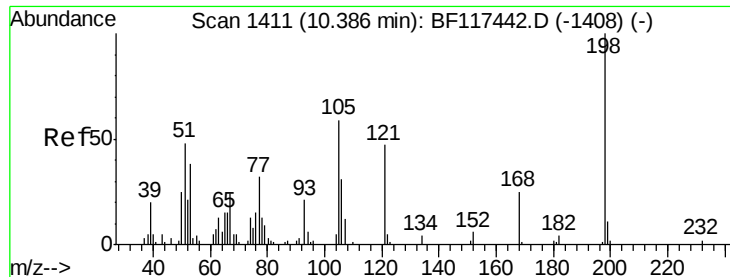
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





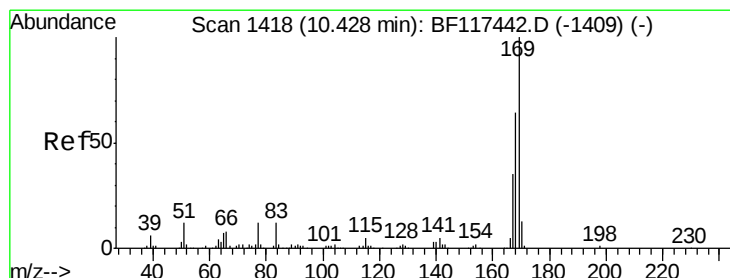
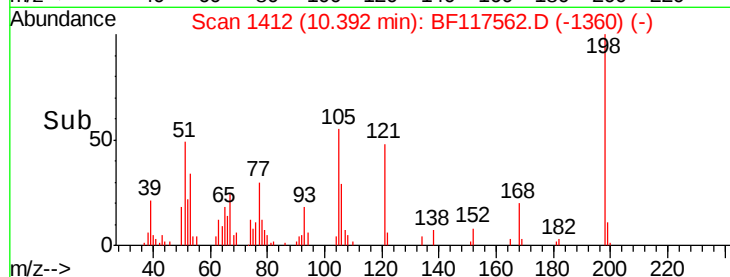
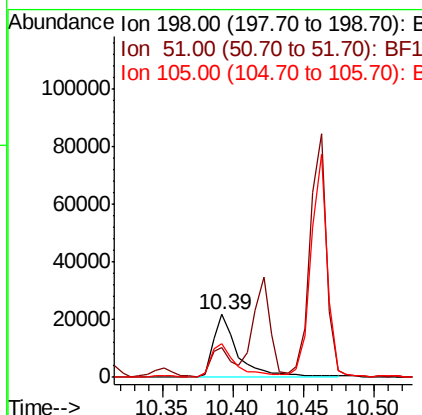
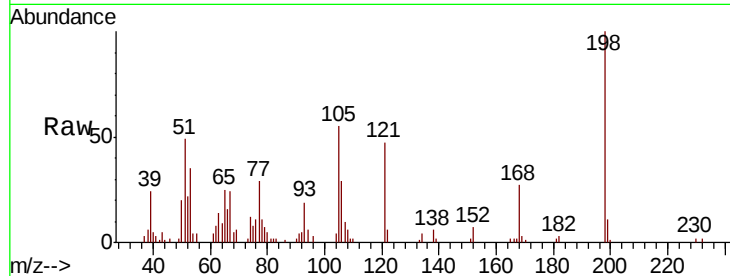
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 38.514 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. 0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 48.5  | 29.1  | 69.1  |
| 105     | 54.6  | 39.4  | 79.4  |

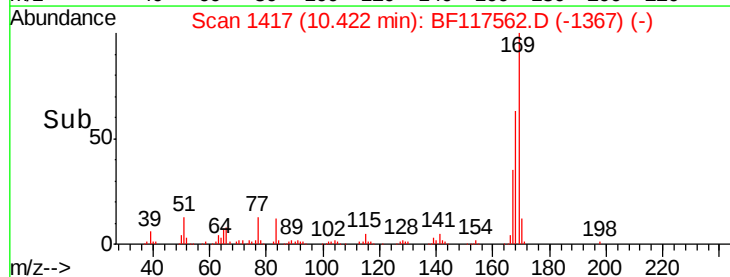
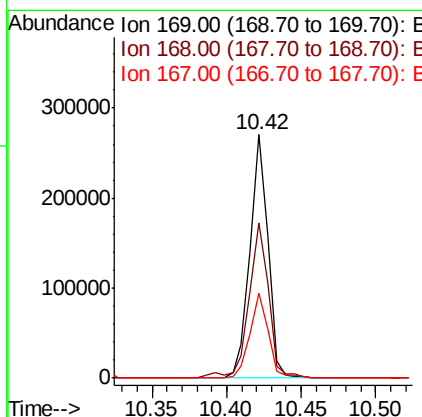
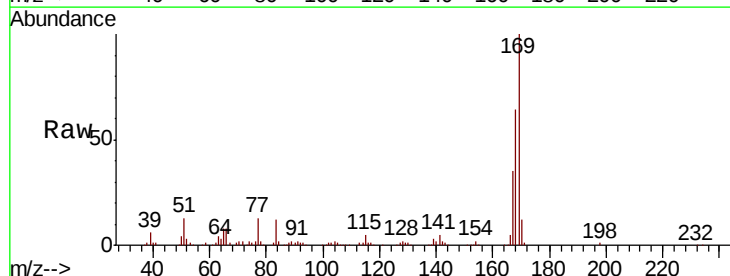
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#66  
 n-Nitrosodiphenylamine  
 Concen: 45.899 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 63.9  | 51.3  | 76.9  |
| 167     | 35.1  | 28.2  | 42.4  |





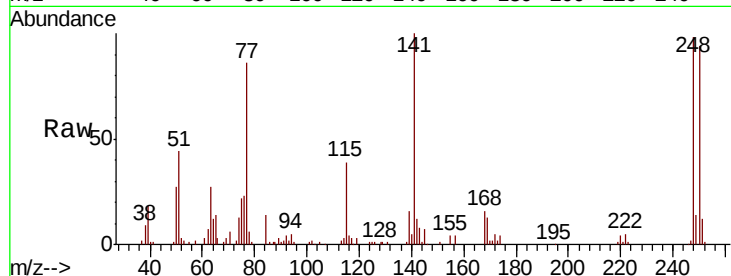
#67  
4-Bromophenyl-phenylether  
Concen: 42.893 ng  
RT: 10.79 min Scan# 1479  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.3  | 78.0  | 117.0 |
| 141     | 102.4 | 81.7  | 122.5 |

Manual Integrations  
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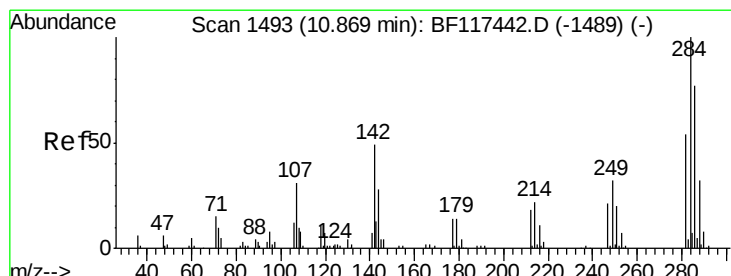
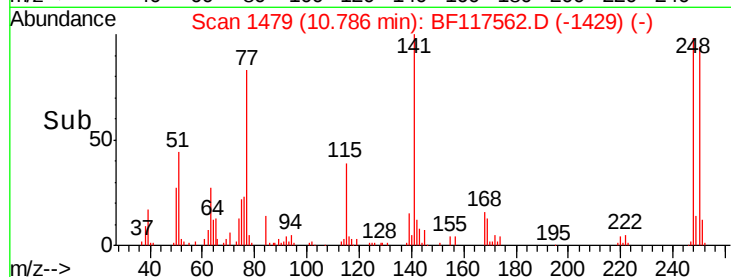
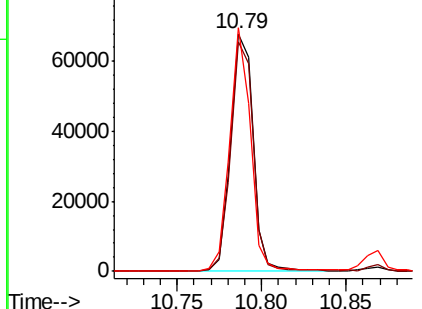


Abundance

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: 42.810 ng  
RT: 10.87 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

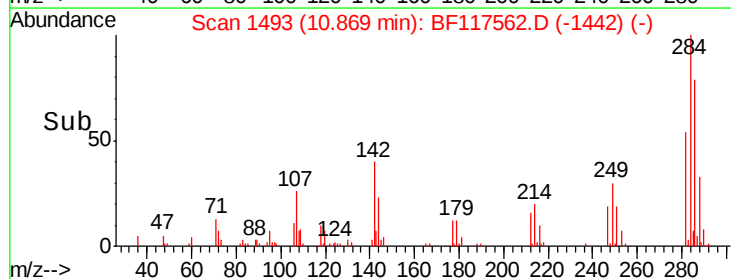
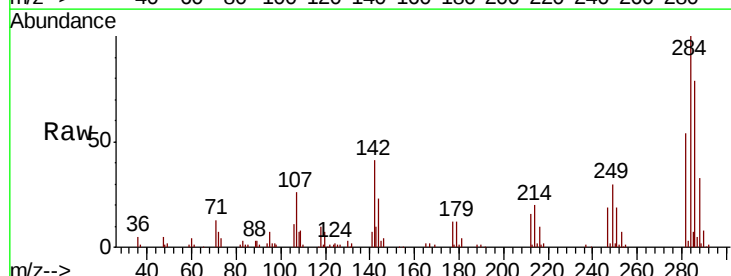
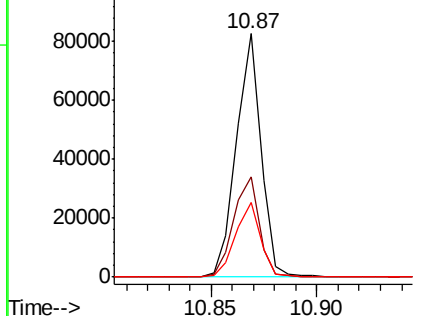
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 41.0  | 39.0  | 58.6  |
| 249     | 30.5  | 25.7  | 38.5  |

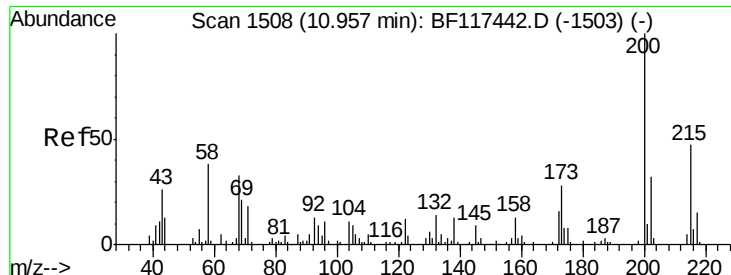
Abundance

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





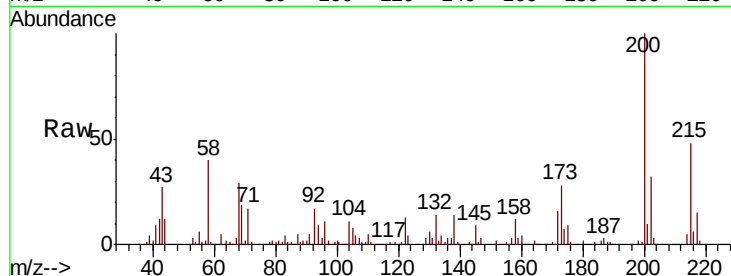
#69  
Atrazine  
Concen: 53.277 ng  
RT: 10.96 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampled :  
R-1MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 67149 |       |       |
| 173     | 28.3  |       | 8.2   | 48.2  |
| 215     | 48.1  |       | 26.8  | 66.8  |

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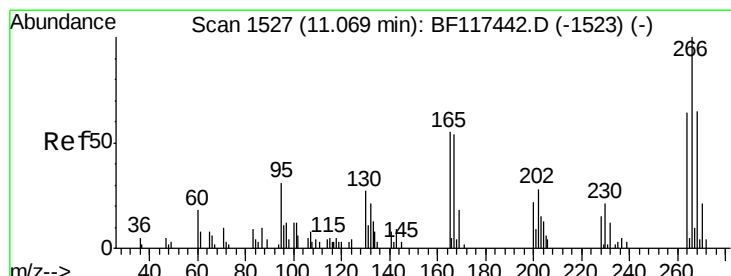
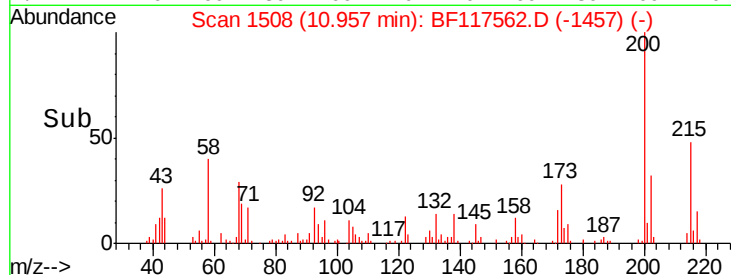
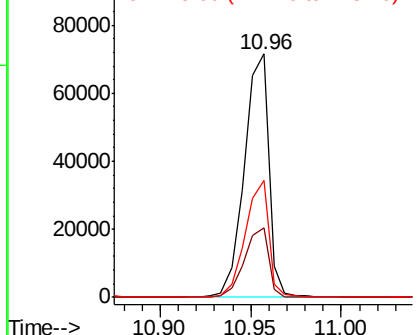


Abundance

Ion 200.00 (199.70 to 200.70): E

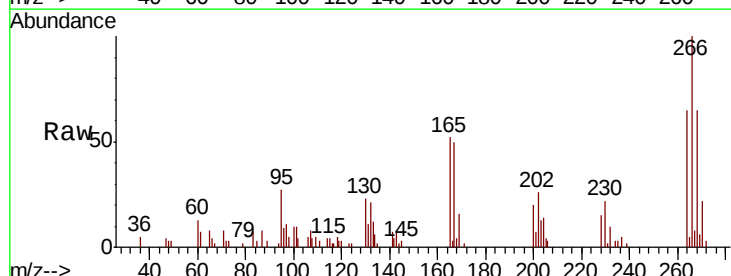
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
Pentachlorophenol  
Concen: 71.473 ng  
RT: 11.07 min Scan# 1528  
Delta R.T. 0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 33492 |       |       |
| 268     | 65.1  |       | 51.6  | 77.4  |
| 264     | 65.0  |       | 51.4  | 77.2  |

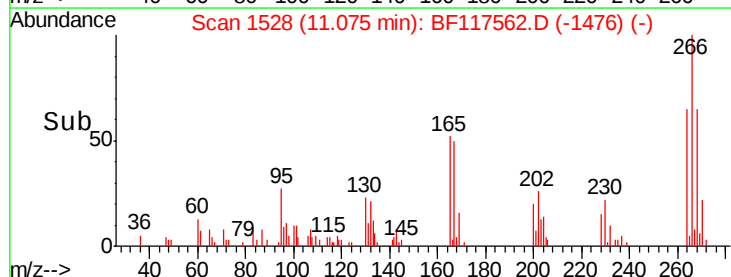
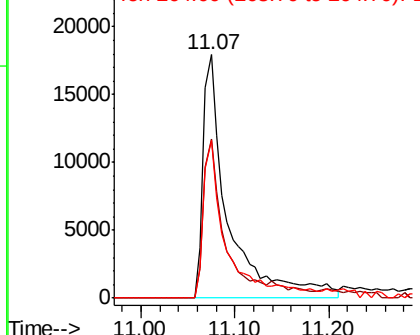


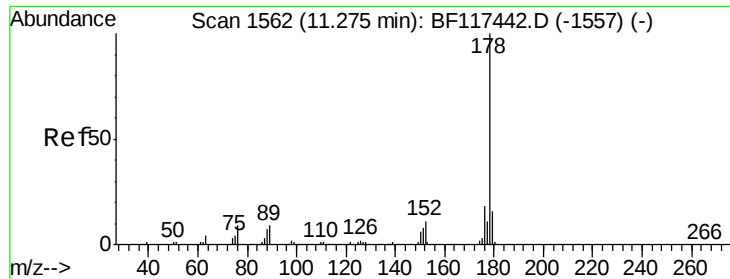
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





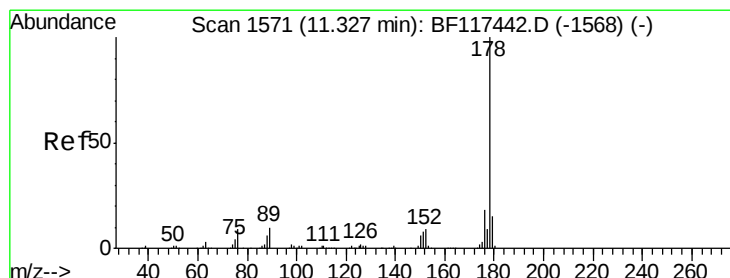
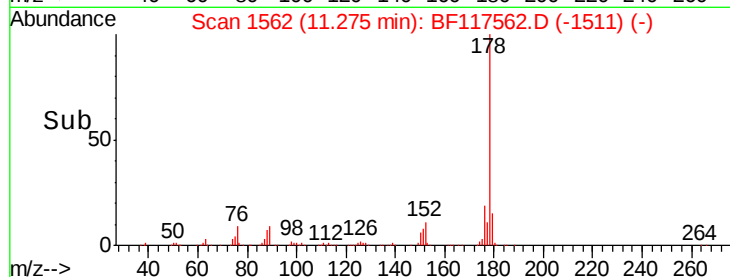
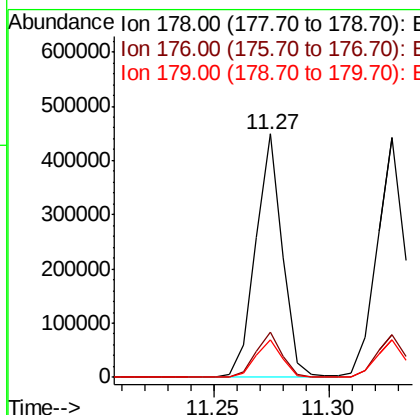
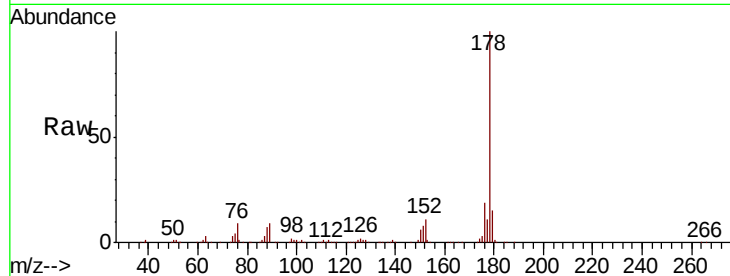
#71  
Phenanthrene  
Concen: 46.264 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 18.8 | 14.6  | 22.0  |       |
| 179     | 15.3 | 12.6  | 19.0  |       |

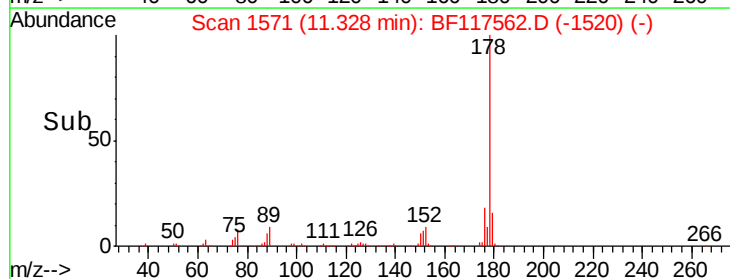
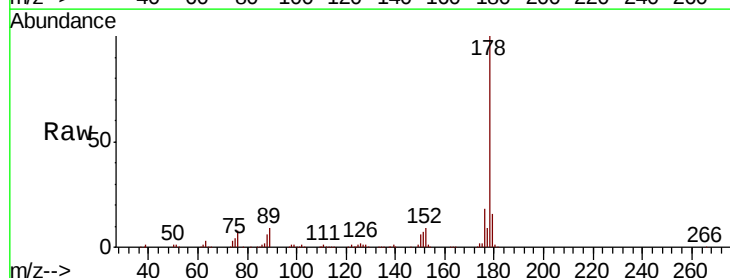
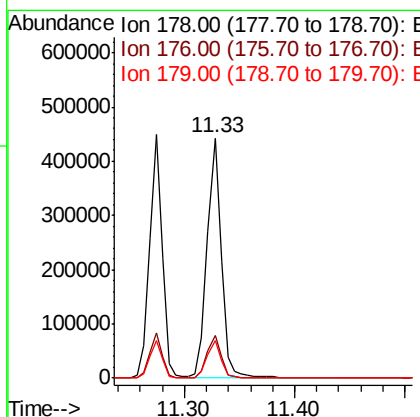
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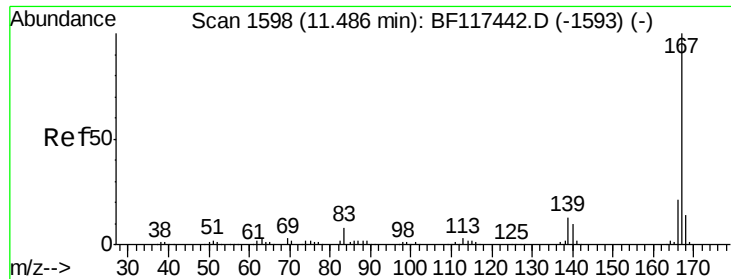
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#72  
Anthracene  
Concen: 47.898 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 18.0 | 14.7  | 22.1  |       |
| 179     | 15.7 | 12.2  | 18.2  |       |





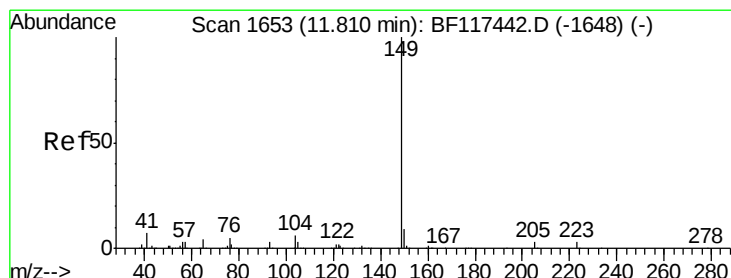
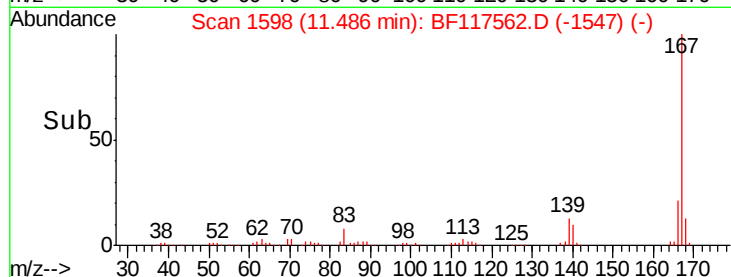
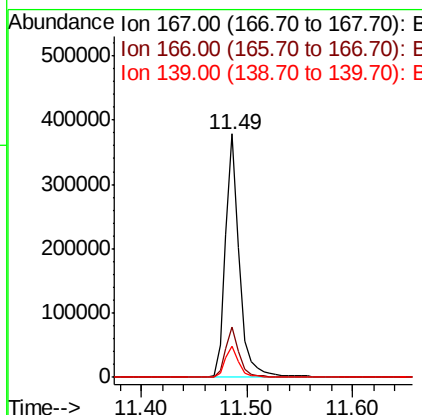
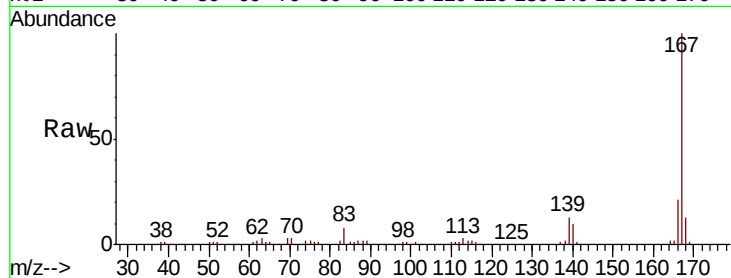
#73  
 Carbazole  
 Concen: 47.217 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. 0.00 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.6  | 17.0  | 25.6  |
| 139     | 12.9  | 10.6  | 16.0  |

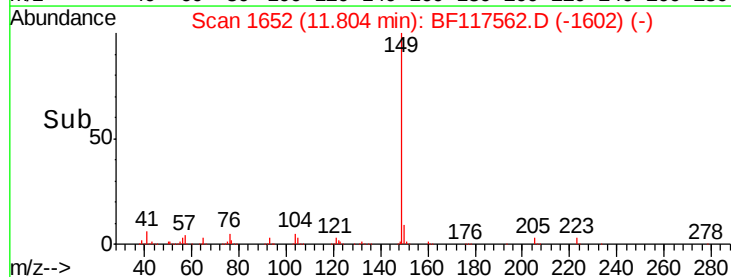
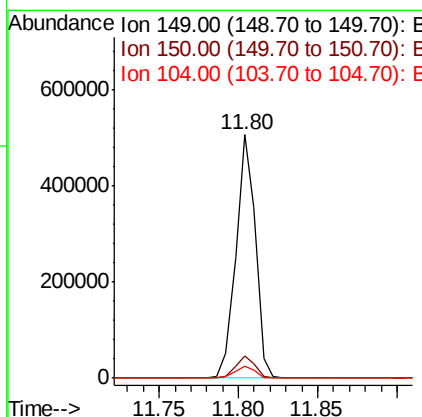
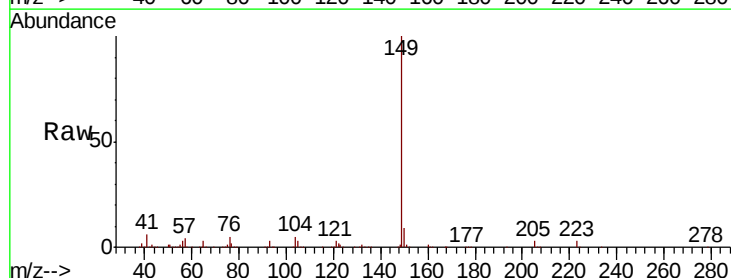
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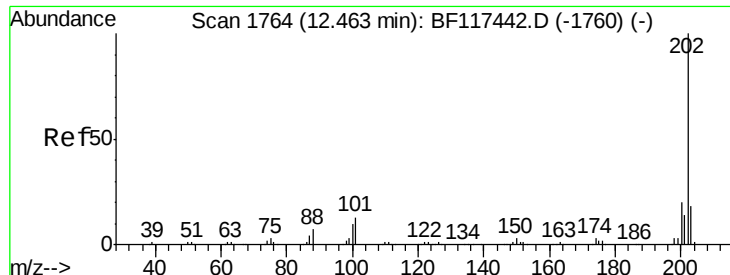
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#74  
 Di-n-butylphthalate  
 Concen: 43.684 ng  
 RT: 11.80 min Scan# 1652  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.5   | 11.3  |
| 104     | 5.1   | 4.6   | 6.8   |





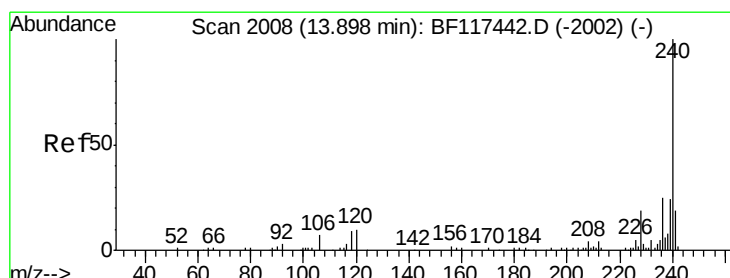
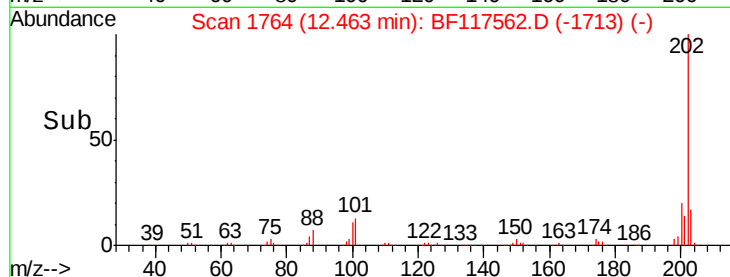
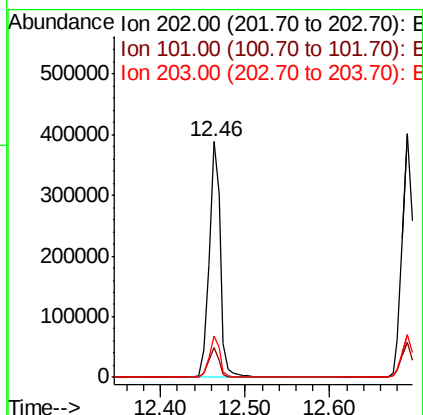
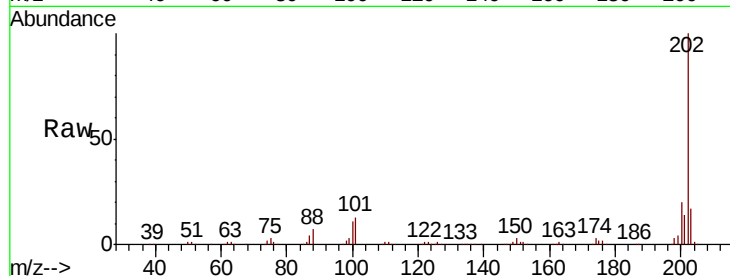
#75  
 Fluoranthene  
 Concen: 45.775 ng  
 RT: 12.46 min Scan# 1764  
 Delta R.T. 0.00 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampled :  
 R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 360563 |       |       |
| 101     | 12.7  |        | 0.0   | 32.7  |
| 203     | 17.4  |        | 0.0   | 37.6  |

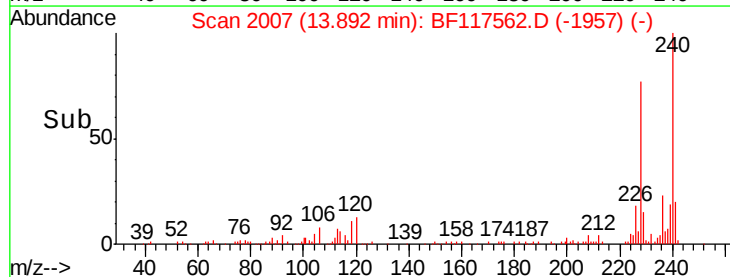
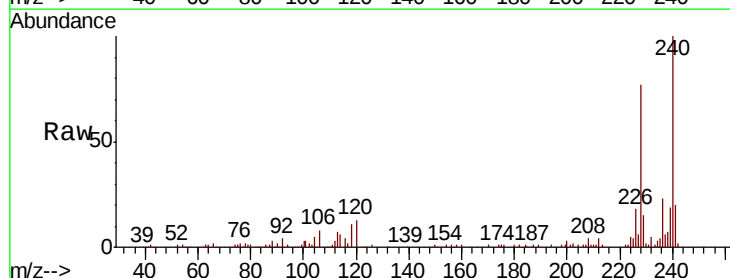
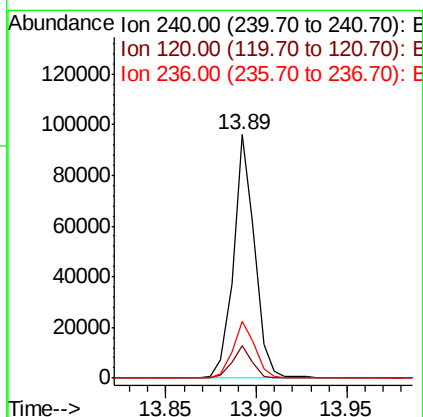
Manual Integrations  
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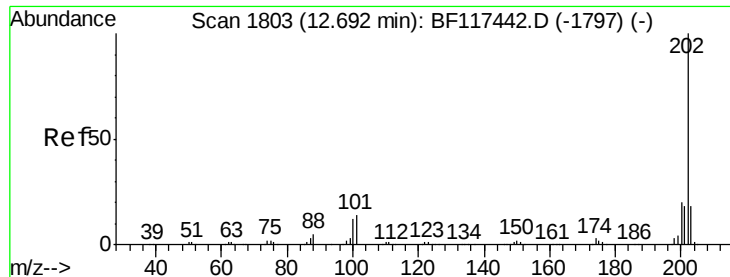
mohammad  
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#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.89 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 77998 |       |       |
| 120     | 13.3  |       | 8.4   | 12.6# |
| 236     | 23.2  |       | 20.0  | 30.0  |





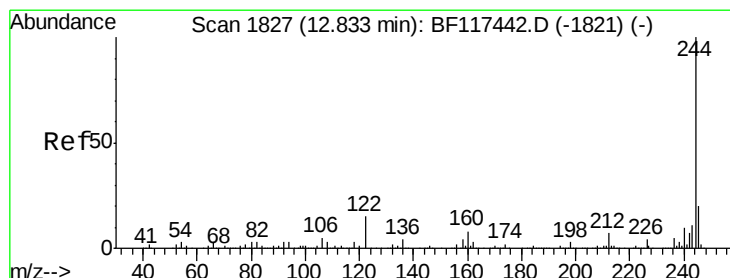
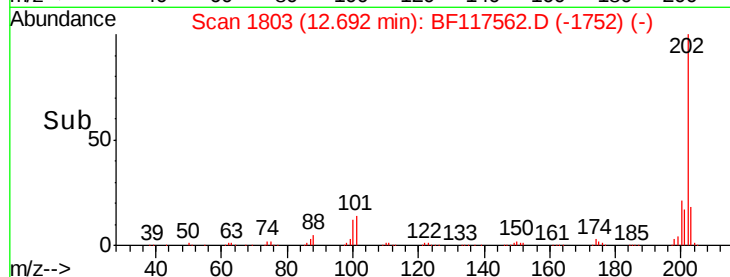
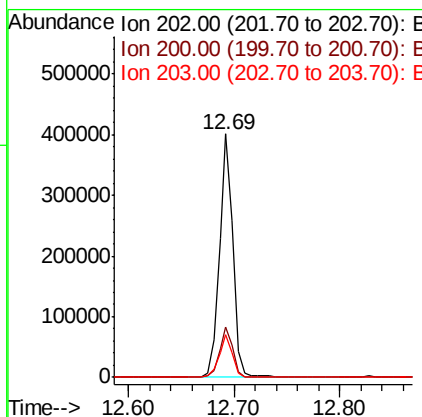
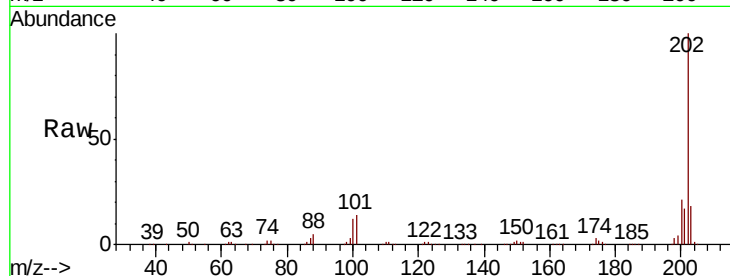
#78  
Pvrene  
Concen: 54.182 ng  
RT: 12.69 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampled :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 16.2  | 24.2  |
| 203     | 17.6  | 14.0  | 21.0  |

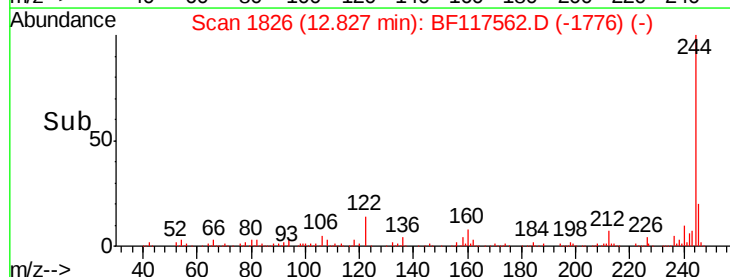
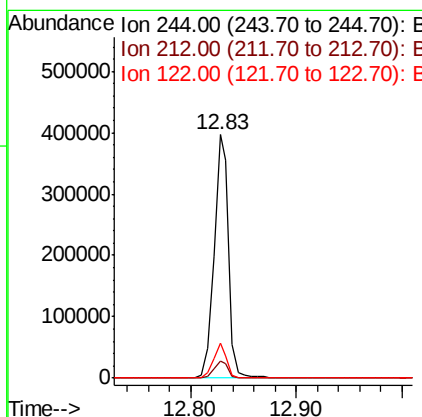
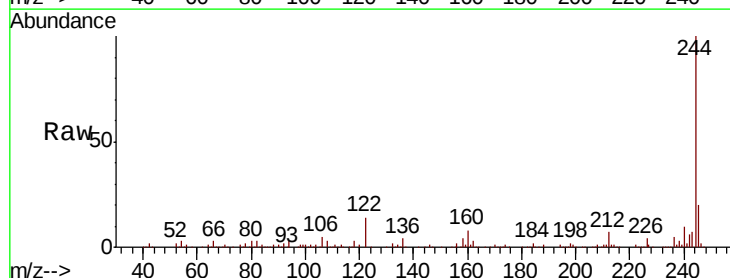
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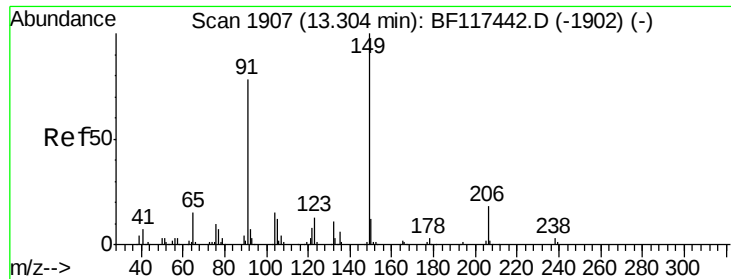
mohammad  
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#79  
Terphenyl-d14  
Concen: 80.002 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.8   | 8.6   |
| 122     | 14.4  | 11.8  | 17.8  |





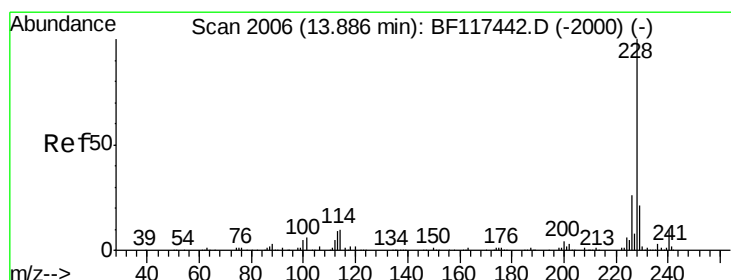
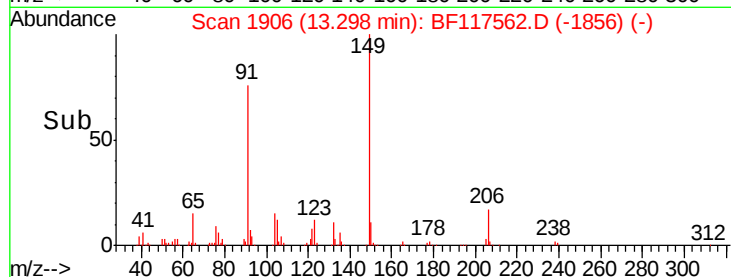
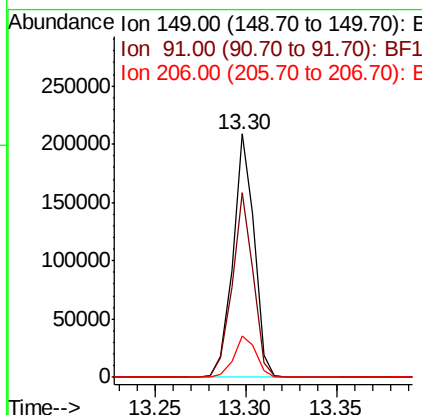
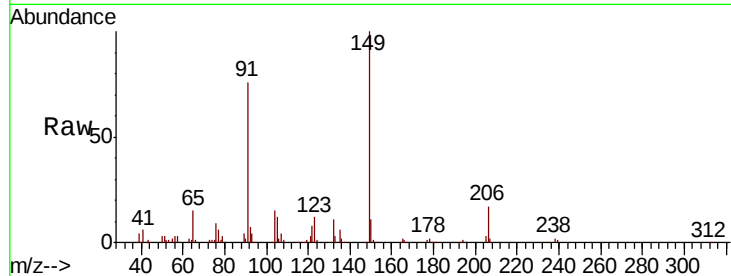
#80  
Butylbenzylphthalate  
Concen: 51.202 ng  
RT: 13.30 min Scan# 1906  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 75.9  | 62.1  | 93.1  |
| 206     | 17.2  | 14.3  | 21.5  |

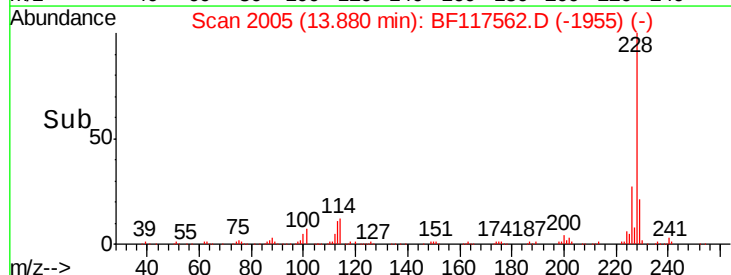
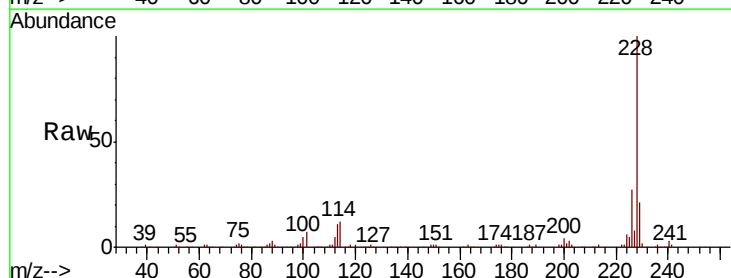
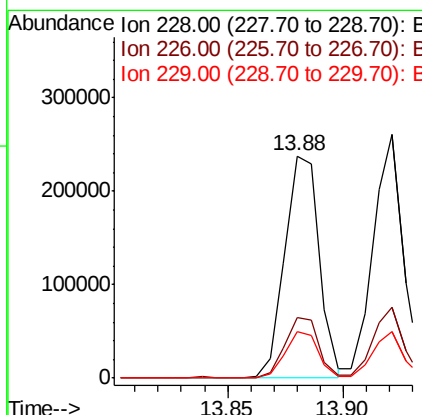
Manual Integrations  
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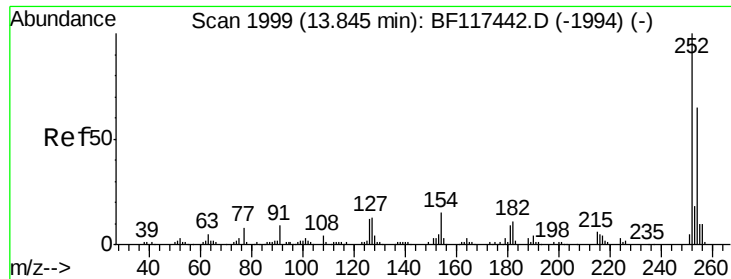
mohammad  
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#81  
Benzo(a)anthracene  
Concen: 46.780 ng  
RT: 13.88 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.2  | 21.0  | 31.4  |
| 229     | 20.7  | 16.4  | 24.6  |





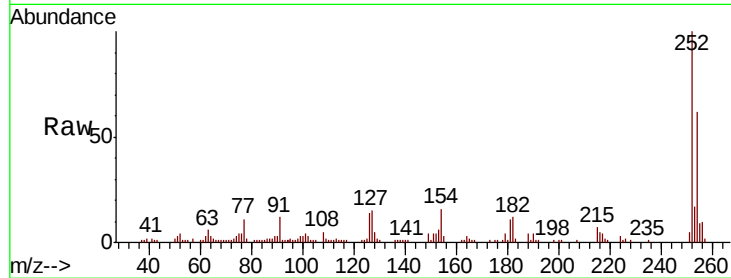
#82  
 3,3'-Dichlorobenzidine  
 Concen: 35.847 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. -0.01 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.7  | 52.2  | 78.4  |
| 126     | 14.2  | 9.2   | 13.8  |

Manual Integrations  
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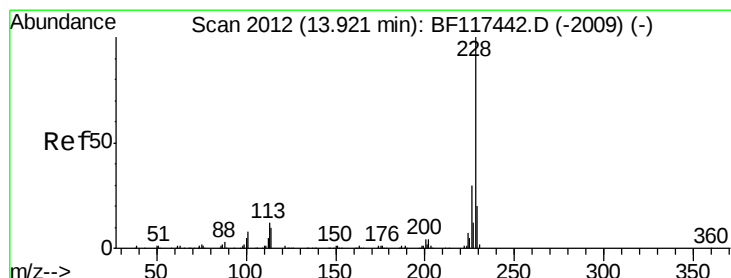
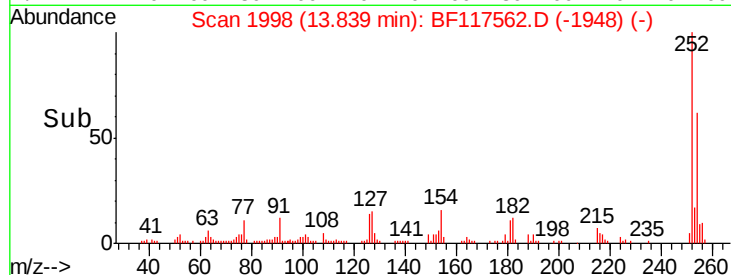
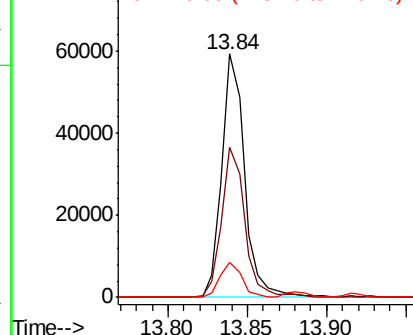


Abundance

Ion 252.00 (251.70 to 252.70): E

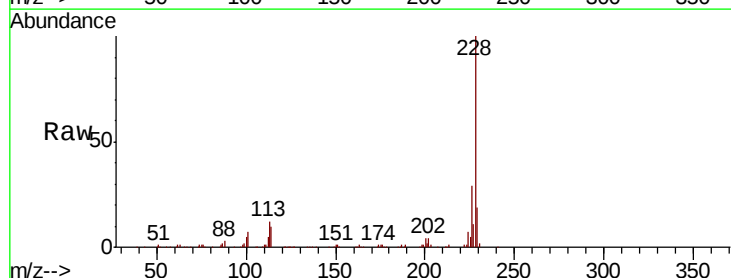
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83  
 Chrysene  
 Concen: 46.568 ng  
 RT: 13.92 min Scan# 2012  
 Delta R.T. 0.00 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.0  | 23.9  | 35.9  |
| 229     | 19.2  | 15.8  | 23.6  |

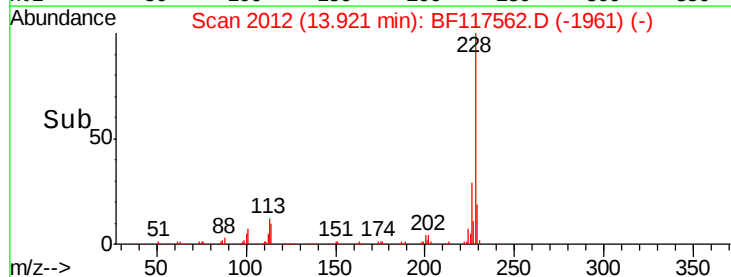
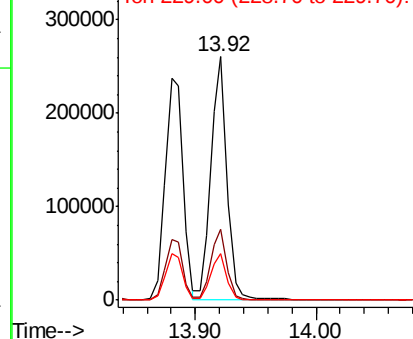


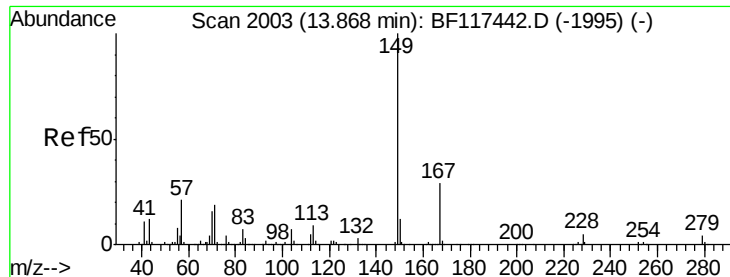
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 50.974 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

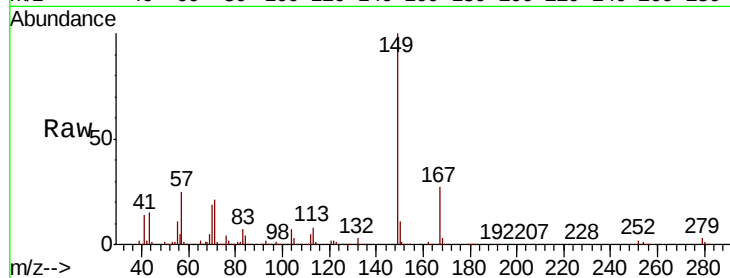
ClientSampleId :

R-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 238053 |       |       |
| 167     | 26.7  | 23.3   | 34.9  |       |
| 279     | 3.1   | 3.2    | 4.8#  |       |

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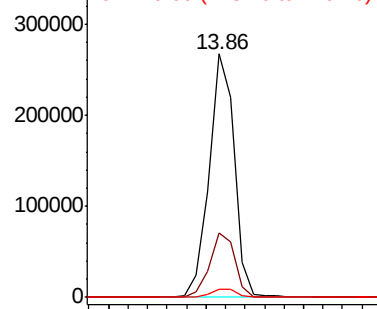


Abundance

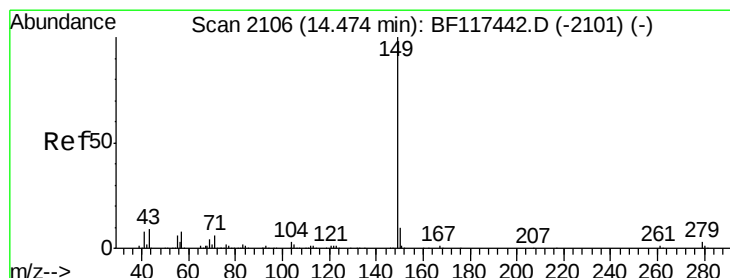
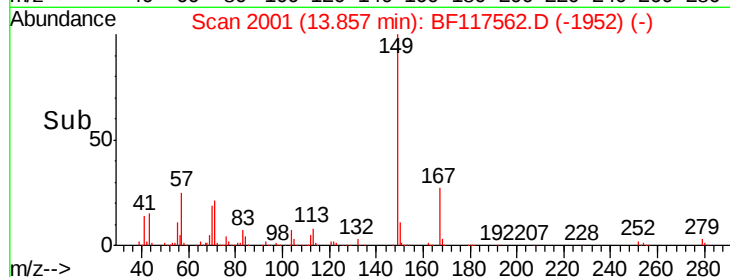
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 13.80 13.85 13.90



#85

Di-n-octyl phthalate

Concen: 49.678 ng

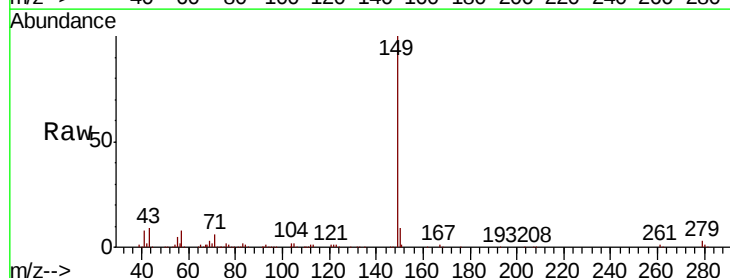
RT: 14.47 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 356705 |       |       |
| 167     | 1.6   | 1.2    | 1.8   |       |
| 43      | 8.3   | 6.8    | 10.2  |       |

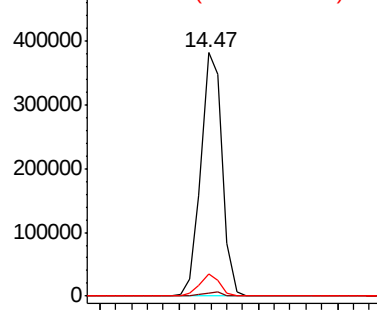


Abundance

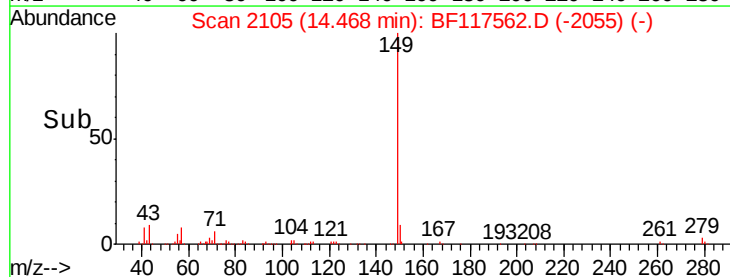
Ion 149.00 (148.70 to 149.70): E

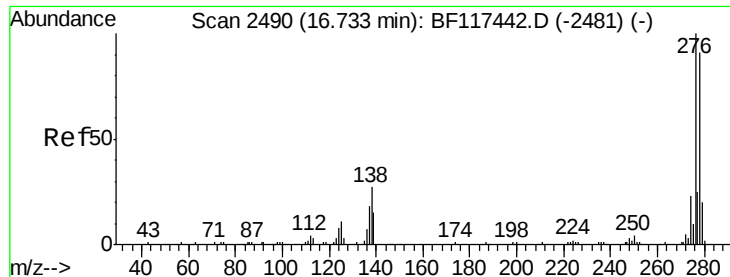
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



Time--> 14.40 14.45 14.50 14.55





#86

Indeno(1,2,3-cd)pyrene

Concen: 58.945 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117562.D

Acq: 28 Oct 2019 15:37

Instrument :

BNA\_F

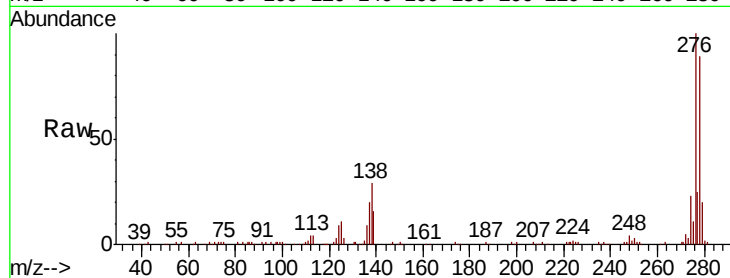
ClientSampleId :

R-1MSD

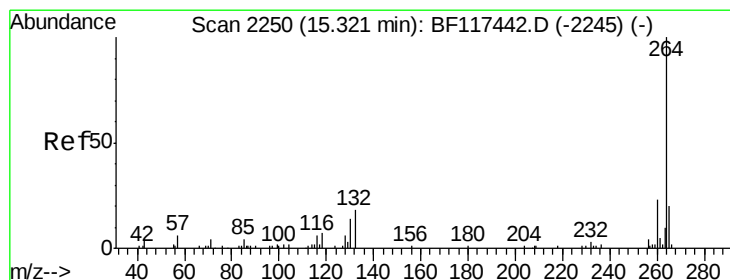
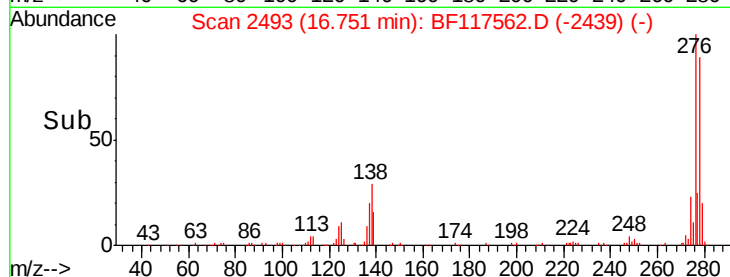
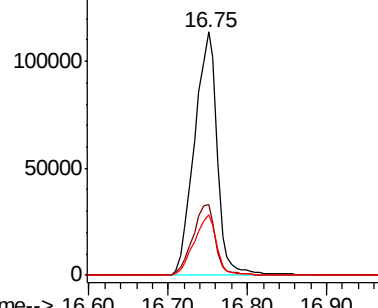
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 226928 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 29.1  | 21.8  | 32.8   |
| 277       | 24.4  | 20.0  | 30.0   |

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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

Perylene-d12

Concen: 20.000 ng

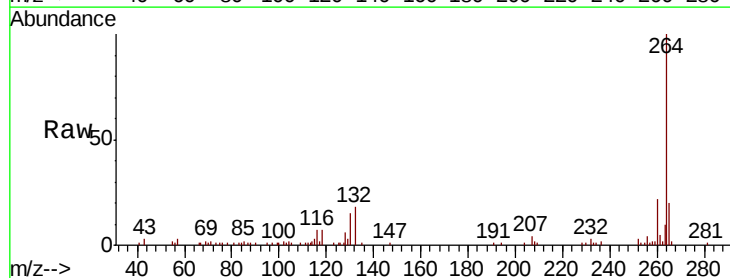
RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

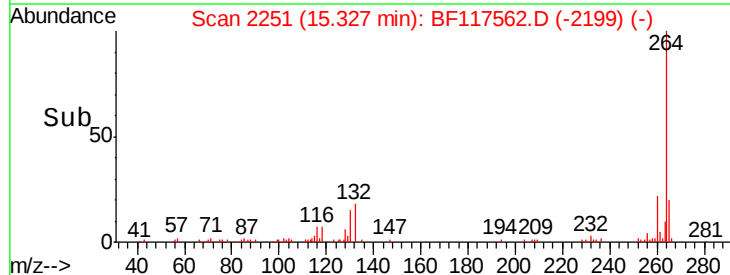
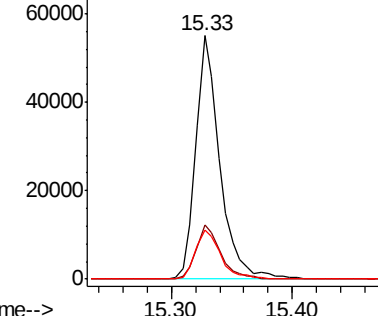
Lab File: BF117562.D

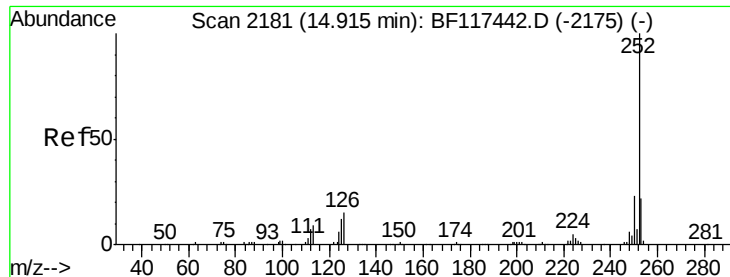
Acq: 28 Oct 2019 15:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 75701 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 22.1  | 18.4  | 27.6  |
| 265       | 20.1  | 16.1  | 24.1  |



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





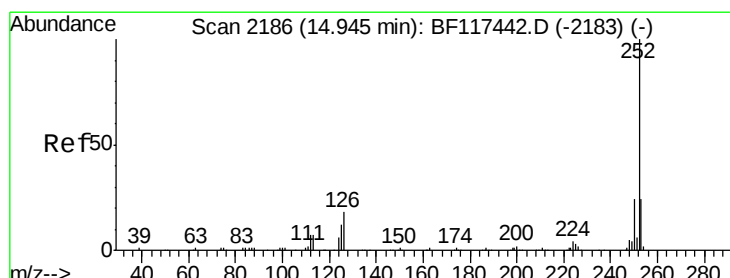
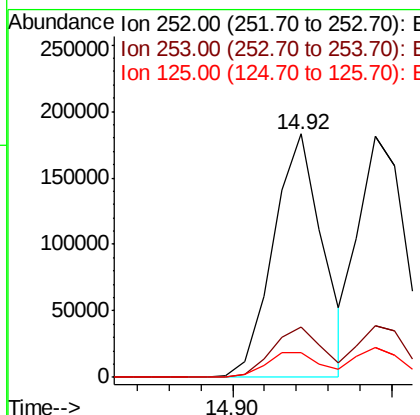
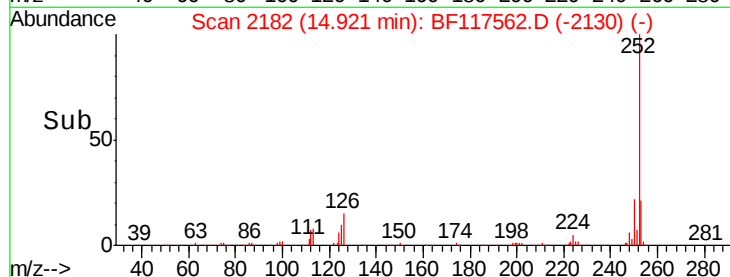
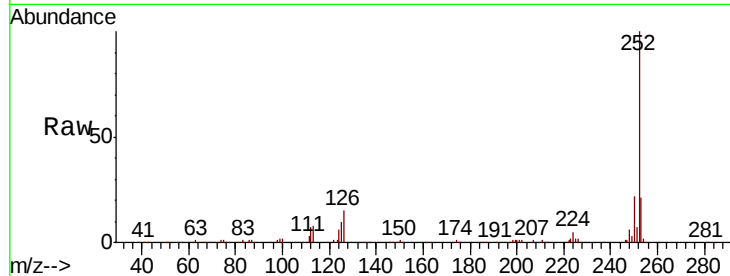
#88  
Benzo(b)fluoranthene  
Concen: 44.274 ng  
RT: 14.92 min Scan# 2182  
Delta R.T. 0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.5  | 17.8  | 26.6  |
| 125     | 10.2  | 9.9   | 14.9  |

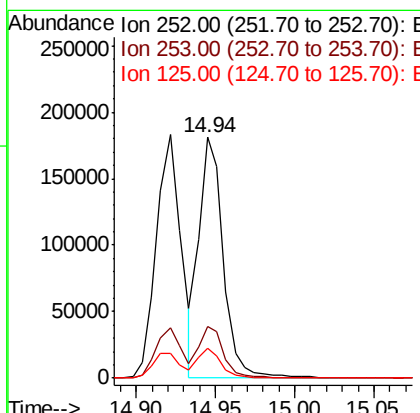
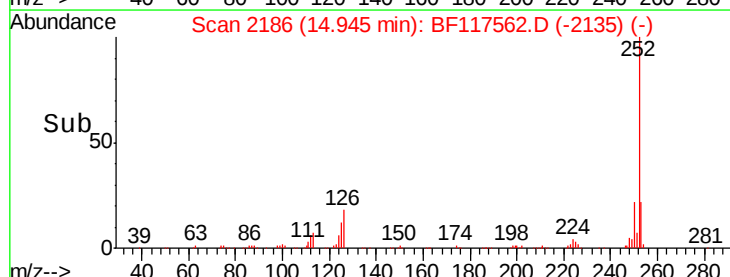
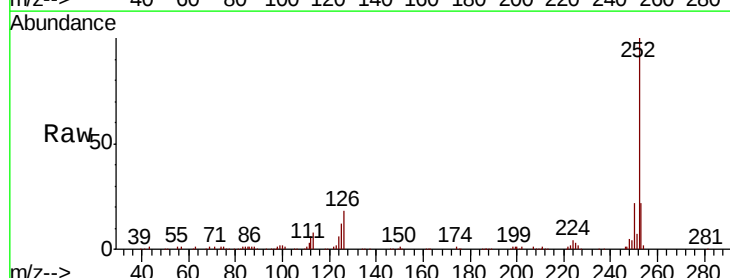
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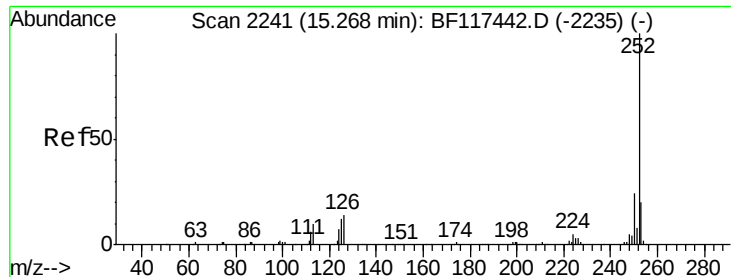
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#89  
Benzo(k)fluoranthene  
Concen: 42.233 ng  
RT: 14.94 min Scan# 2186  
Delta R.T. 0.00 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 18.0  | 27.0  |
| 125     | 12.3  | 8.9   | 13.3  |





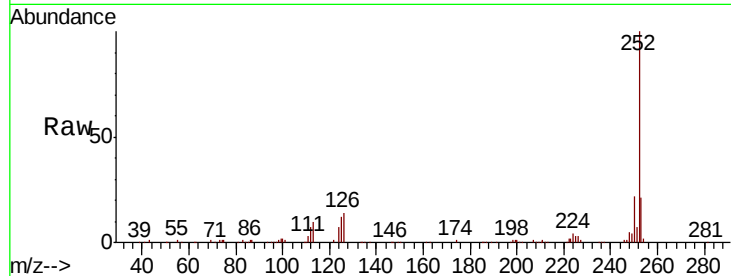
#90  
Benzo(a)pyrene  
Concen: 45.021 ng  
RT: 15.27 min Scan# 2242  
Delta R.T. 0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 16.3  | 24.5  |
| 125     | 12.2  | 9.2   | 13.8  |

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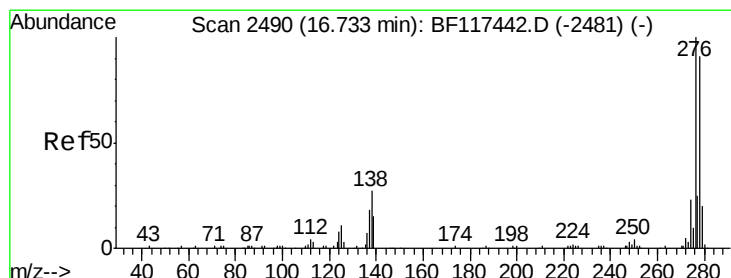
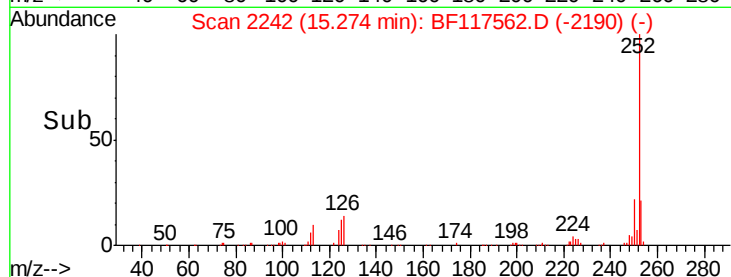
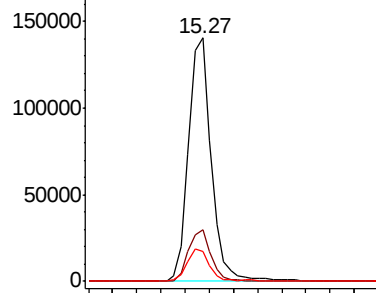


Abundance

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



#91  
Dibenzo(a,h)anthracene  
Concen: 55.243 ng  
RT: 16.74 min Scan# 2492  
Delta R.T. 0.01 min  
Lab File: BF117562.D  
Acq: 28 Oct 2019 15:37

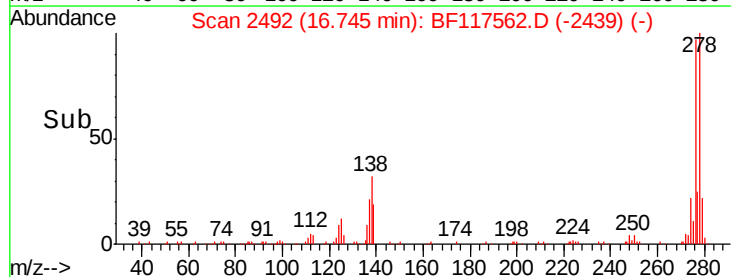
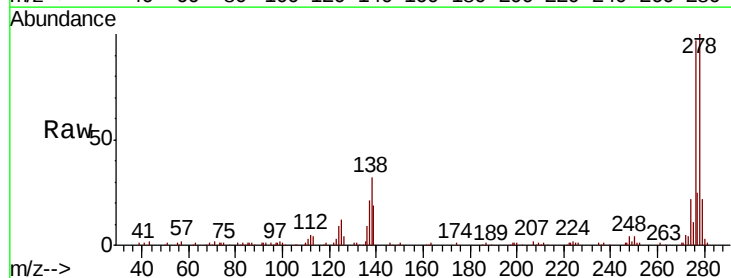
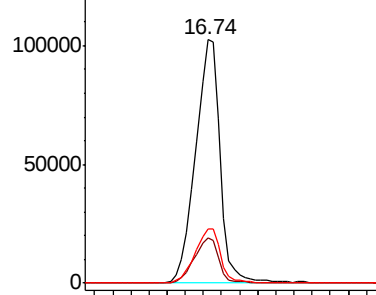
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.7  | 13.4  | 20.0  |
| 279     | 22.1  | 17.8  | 26.6  |

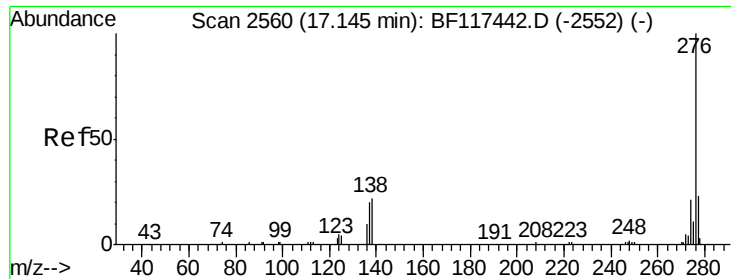
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92  
 Benzo(a,h,i)perylene  
 Concen: 58.490 ng  
 RT: 17.17 min Scan# 2564  
 Delta R.T. 0.02 min  
 Lab File: BF117562.D  
 Acq: 28 Oct 2019 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.7  | 18.4  | 27.6  |
| 138     | 24.2  | 17.8  | 26.6  |

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