

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\  
 Data File : BF115940.D  
 Acq On : 2 Aug 2019 12:13  
 Operator : HP/JU  
 Sample : PB121939BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

Manual Integrations  
 APPROVED

mohammad  
 8/8/2019 4:44:07 PM

Quant Time: Aug 02 17:23:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 153097   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 604450   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.90  | 164  | 330095   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.39 | 188  | 577770   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.03 | 240  | 421272   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 342513   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 1041128 | 113.84 | ng | 0.02 |
| 7) Phenol-d6             | 6.49  | 99  | 1340514 | 116.18 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 852198  | 81.38  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 384295  | 120.08 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.22  | 172 | 1479420 | 83.95  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.97 | 244 | 1705321 | 85.30  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.68 | 88  | 193194  | 41.816 | ng | 98     |
| 3) Pyridine                    | 3.43 | 79  | 359470  | 27.853 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.37 | 42  | 181126  | 35.563 | ng | 99     |
| 6) Aniline                     | 6.52 | 93  | 479199  | 29.000 | ng | 95     |
| 8) 2-Chlorophenol              | 6.65 | 128 | 407621  | 40.307 | ng | 98     |
| 9) Benzaldehyde                | 6.40 | 77  | 68004   | 8.542  | ng | 98     |
| 10) Phenol                     | 6.50 | 94  | 516236  | 37.993 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 391794  | 39.220 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.80 | 146 | 424469  | 36.319 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 432234  | 36.936 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.03 | 146 | 404919  | 37.579 | ng | 100    |
| 15) Benzyl Alcohol             | 7.00 | 79  | 354424  | 40.476 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 528298  | 38.771 | ng | 97     |
| 17) 2-Methylphenol             | 7.11 | 107 | 346685  | 40.486 | ng | 99     |
| 18) Hexachloroethane           | 7.36 | 117 | 156603  | 36.348 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70  | 280195  | 39.188 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 409654  | 40.427 | ng | # 87   |
| 22) Acetophenone               | 7.26 | 105 | 555184  | 41.880 | ng | 97     |
| 24) Nitrobenzene               | 7.43 | 77  | 454642  | 40.209 | ng | 99     |
| 25) Isophorone                 | 7.67 | 82  | 826218  | 41.263 | ng | 99     |
| 26) 2-Nitrophenol              | 7.75 | 139 | 225168  | 42.247 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.79 | 122 | 369823  | 46.120 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93  | 498648  | 40.179 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.00 | 162 | 355191  | 41.952 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 381166  | 39.494 | ng | 98     |
| 31) Naphthalene                | 8.16 | 128 | 1166902 | 41.024 | ng | 100    |
| 32) Benzoic acid               | 7.94 | 122 | 229050  | 40.515 | ng | 99     |
| 33) 4-Chloroaniline            | 8.20 | 127 | 343994  | 27.067 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 212723  | 38.266 | ng | 99     |
| 35) Caprolactam                | 8.59 | 113 | 117062m | 42.750 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 380415  | 43.190 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 790375  | 42.192 | ng | 100    |
| 38) 1-Methylnaphthalene        | 8.95 | 142 | 747055  | 42.154 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 363286  | 41.167 | ng | 100    |

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Manual Integrations  
 APPROVED

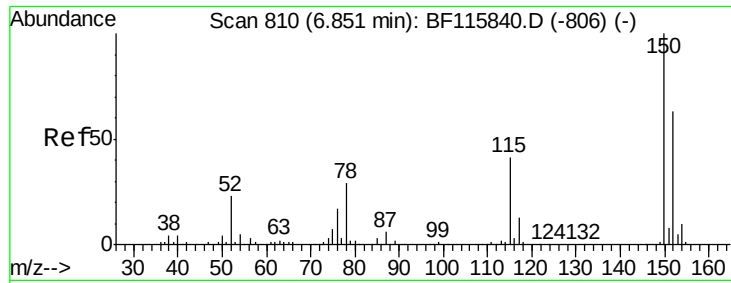
mohammad  
 8/8/2019 4:44:07 PM

Quant Time: Aug 02 17:23:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.01  | 237  | 218715   | 57.043 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.13  | 196  | 238714   | 39.300 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.19  | 196  | 258402   | 41.154 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.32  | 154  | 967938   | 41.534 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.35  | 162  | 752491   | 38.796 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.44  | 65   | 247912   | 38.669 | ng    | 91       |
| 49) Acenaphthylene             | 9.76  | 152  | 1158185  | 40.929 | ng    | 100      |
| 50) Dimethylphthalate          | 9.62  | 163  | 924516   | 41.134 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.68  | 165  | 205350   | 42.042 | ng    | 90       |
| 52) Acenaphthene               | 9.93  | 154  | 686447   | 39.542 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.85  | 138  | 176936   | 29.317 | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 9.97  | 184  | 176254   | 71.832 | ng    | 96       |
| 55) Dibenzofuran               | 10.10 | 168  | 1037811  | 41.108 | ng    | 97       |
| 56) 4-Nitrophenol              | 10.03 | 139  | 298532   | 77.216 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 10.09 | 165  | 271136   | 41.693 | ng    | 95       |
| 58) Fluorene                   | 10.45 | 166  | 813603   | 41.887 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.23 | 232  | 235734   | 44.625 | ng    | 97       |
| 60) Diethylphthalate           | 10.32 | 149  | 874172   | 41.659 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204  | 412024   | 41.885 | ng    | 99       |
| 62) 4-Nitroaniline             | 10.47 | 138  | 233972   | 37.513 | ng    | 98       |
| 63) Azobenzene                 | 10.60 | 77   | 906954   | 42.021 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 124544   | 40.677 | ng    | 92       |
| 66) n-Nitrosodiphenylamine     | 10.56 | 169  | 736036   | 42.325 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.93 | 248  | 254017   | 41.070 | ng    | # 90     |
| 68) Hexachlorobenzene          | 11.00 | 284  | 285218   | 39.880 | ng    | 93       |
| 69) Atrazine                   | 11.09 | 200  | 242181   | 42.331 | ng    | 98       |
| 70) Pentachlorophenol          | 11.20 | 266  | 277256   | 79.849 | ng    | 99       |
| 71) Phenanthrene               | 11.41 | 178  | 1231610  | 41.697 | ng    | 99       |
| 72) Anthracene                 | 11.46 | 178  | 1259778  | 42.143 | ng    | 99       |
| 73) Carbazole                  | 11.62 | 167  | 1165201  | 42.965 | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.94 | 149  | 1399783  | 44.246 | ng    | 100      |
| 75) Fluoranthene               | 12.60 | 202  | 1316232  | 42.566 | ng    | 98       |
| 77) Benzidine                  | 12.72 | 184  | 371190   | 26.081 | ng    | 97       |
| 78) Pyrene                     | 12.83 | 202  | 1324606  | 41.712 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.44 | 149  | 610552   | 45.452 | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.02 | 228  | 1101337  | 40.902 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 341662   | 36.523 | ng    | 98       |
| 83) Chrysene                   | 14.06 | 228  | 1095932  | 41.924 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 820243   | 46.989 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.61 | 149  | 1313744  | 47.382 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.98 | 276  | 907960   | 41.354 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.07 | 252  | 955227   | 48.233 | ng    | 97       |
| 89) Benzo(k)fluoranthene       | 15.10 | 252  | 952144   | 49.360 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.44 | 252  | 891037   | 50.330 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.99 | 278  | 780169   | 50.910 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.43 | 276  | 759959   | 50.495 | ng    | 98       |

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





#1

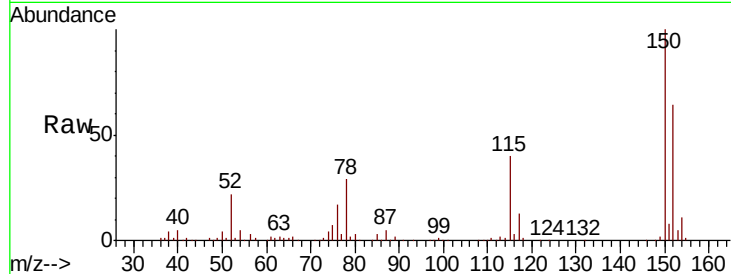
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.8 | 127.4 | 191.0 |
| 115     | 62.2  | 51.8  | 77.8  |

Manual Integrations  
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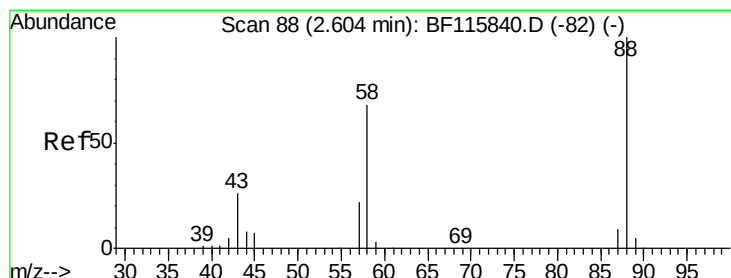
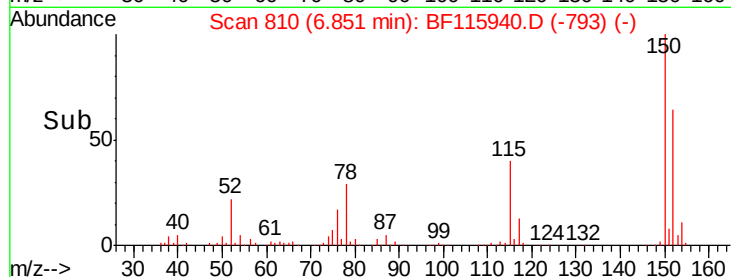
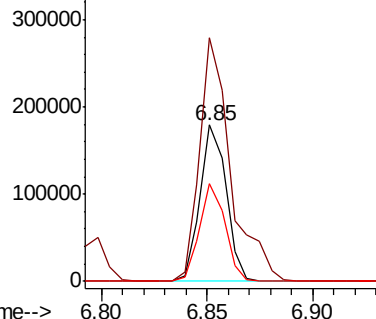


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

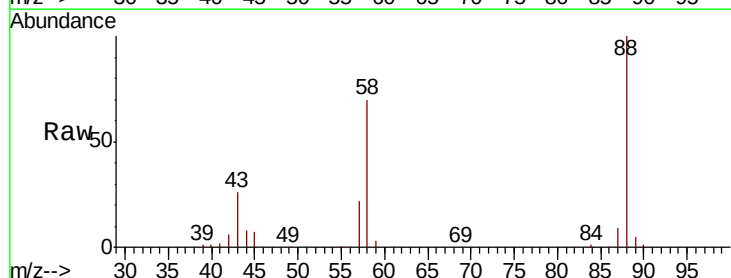
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 41.816 ng  
RT: 2.68 min Scan# 100  
Delta R.T. 0.07 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 69.6  | 54.1  | 81.1  |
| 43      | 26.0  | 20.7  | 31.1  |

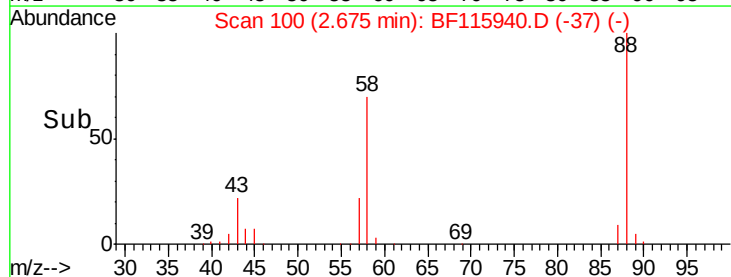
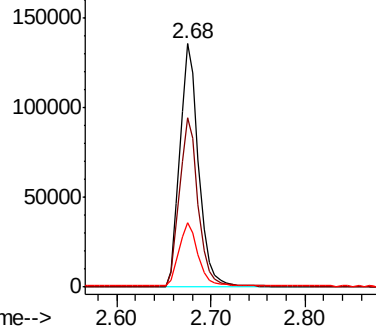


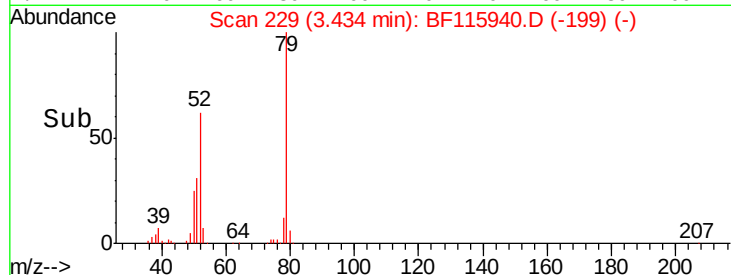
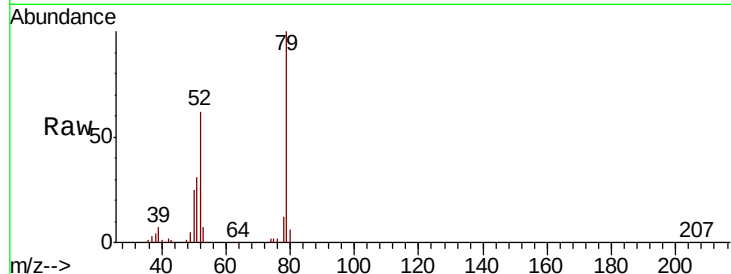
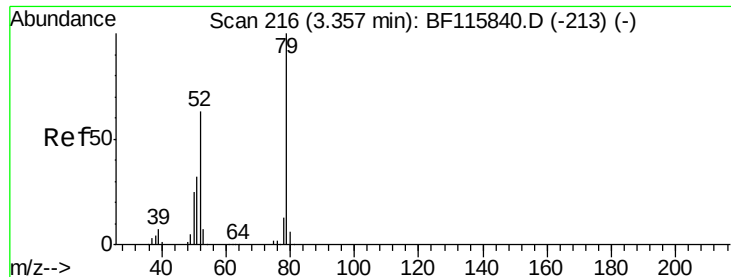
Abundance

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





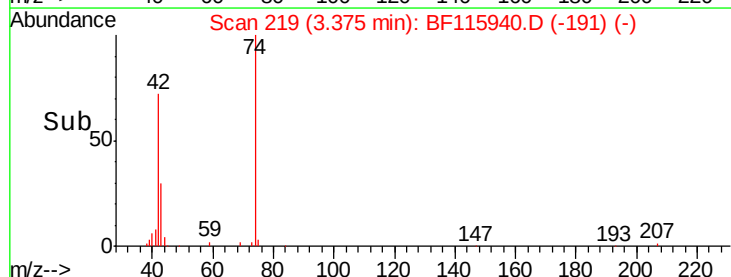
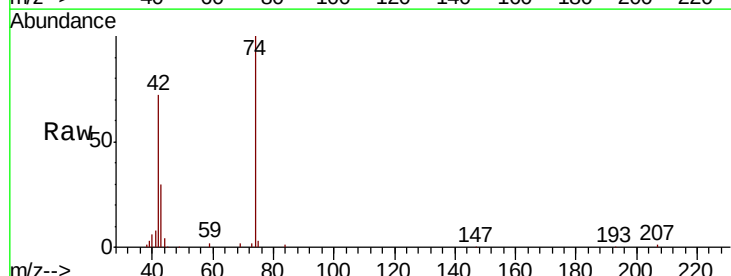
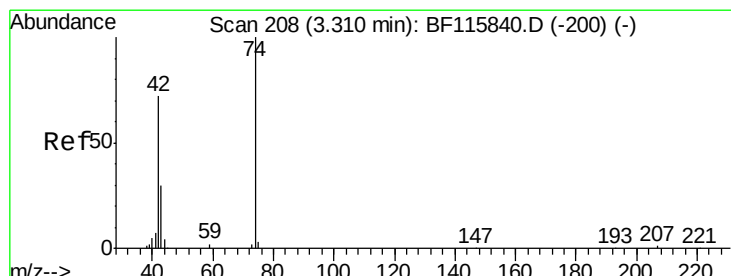
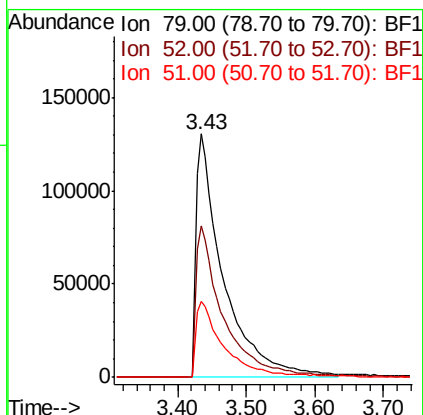
#3  
Pvridine  
Concen: 27.853 ng  
RT: 3.43 min Scan# 229  
Delta R.T. 0.08 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 359470 |       |       |
| 52      | 62.1  |        | 50.2  | 75.4  |
| 51      | 30.9  |        | 25.8  | 38.6  |

Instrument :  
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ClientSampleId :  
PB121939BS

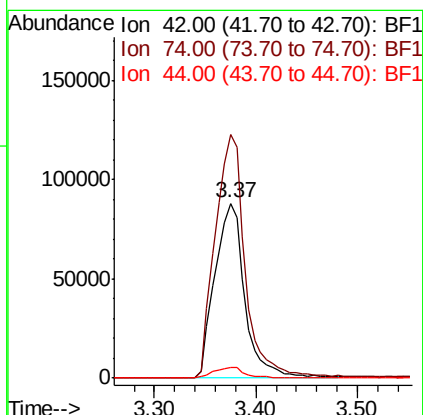
Manual Integrations  
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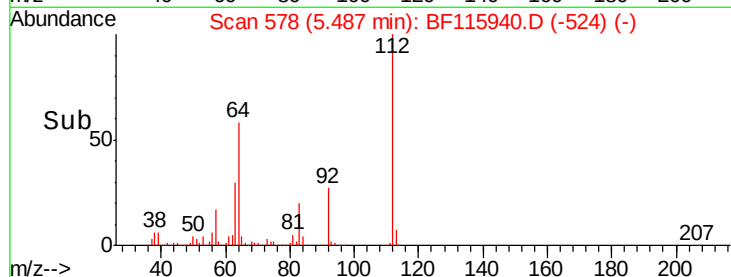
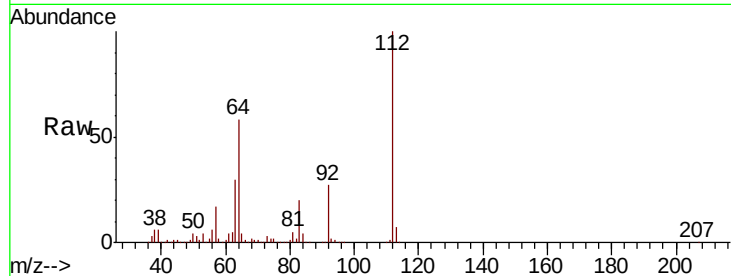
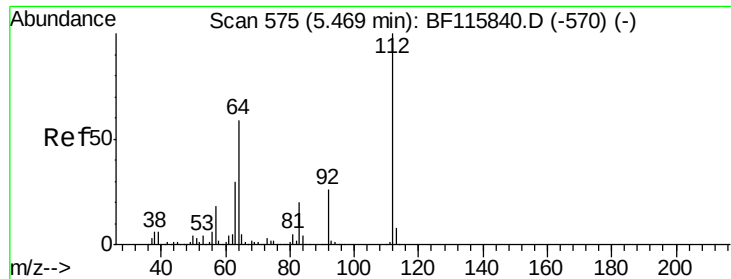
mohammad  
8/8/2019 4:44:07 PM



#4  
n-Nitrosodimethylamine  
Concen: 35.563 ng  
RT: 3.37 min Scan# 219  
Delta R.T. 0.06 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 42      | 100   | 181126 |       |       |
| 74      | 139.4 |        | 111.0 | 166.4 |
| 44      | 6.3   |        | 4.7   | 7.1   |





#5

2-Fluorophenol

Concen: 113.844 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

|             |               |
|-------------|---------------|
| Tot Ion:112 | Resp: 1041128 |
| Ion Ratio   | Lower Upper   |
| 112 100     |               |
| 64 57.8     | 46.8 70.2     |
| 63 29.9     | 24.2 36.2     |

Instrument :

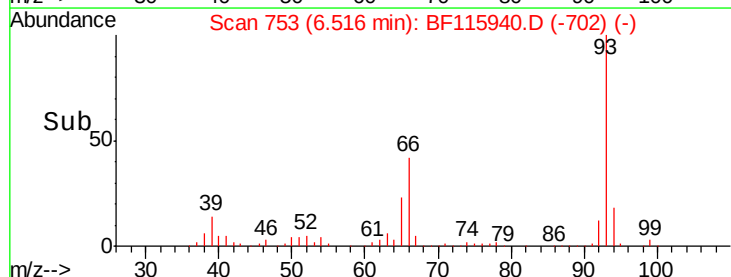
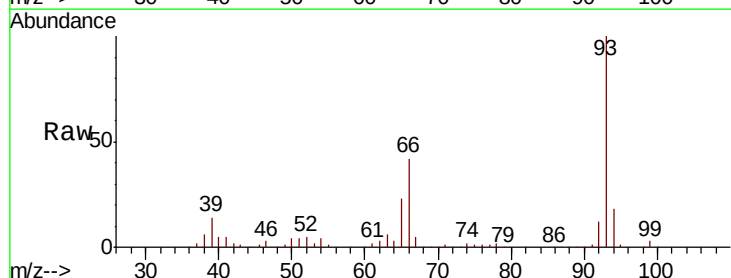
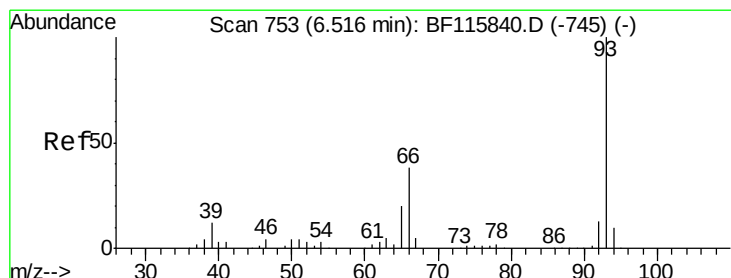
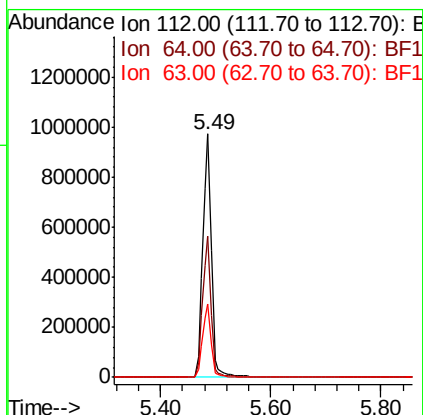
BNA\_F

ClientSampleId :

PB121939BS

Manual Integrations  
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#6

Aniline

Concen: 29.000 ng

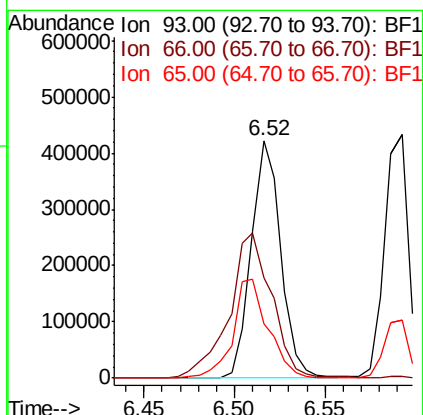
RT: 6.52 min Scan# 753

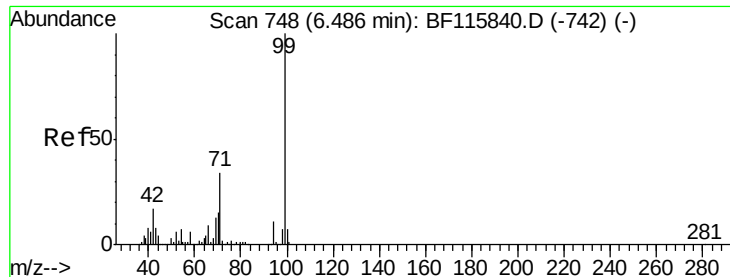
Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

|             |              |
|-------------|--------------|
| Tgt Ion: 93 | Resp: 479199 |
| Ion Ratio   | Lower Upper  |
| 93 100      |              |
| 66 42.0     | 31.4 47.0    |
| 65 22.8     | 16.5 24.7    |





#7

Phenol-d6

Concen: 116.179 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB121939BS

Tot Ion: 99 Resp: 1340514

Ion Ratio Lower Upper

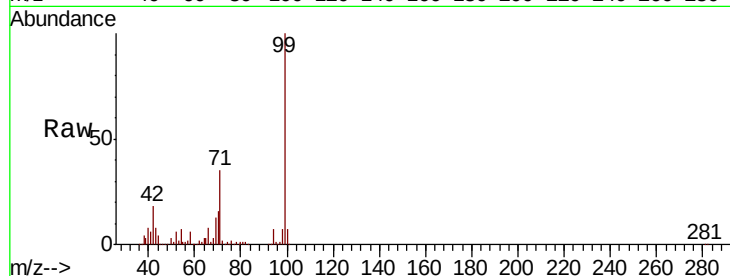
99 100

42 17.7 13.8 20.6

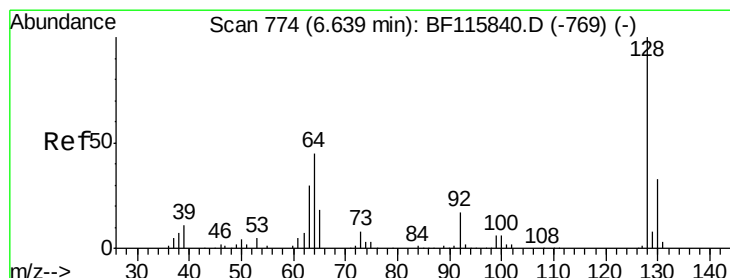
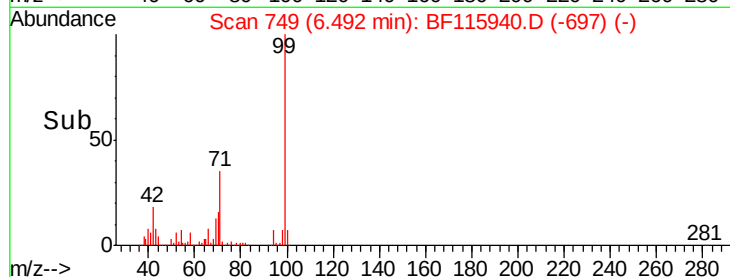
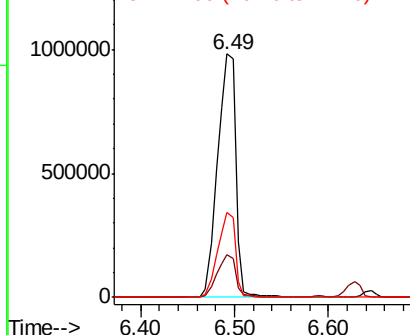
71 34.9 27.1 40.7

Manual Integrations  
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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.307 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

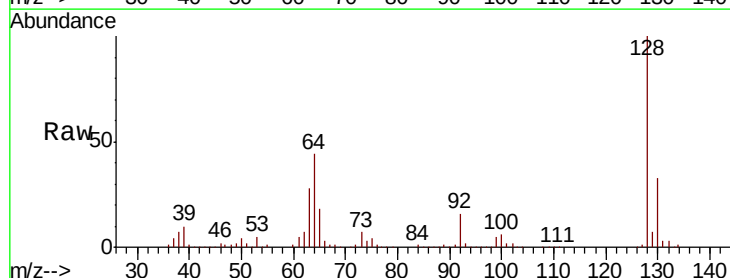
Tgt Ion: 128 Resp: 407621

Ion Ratio Lower Upper

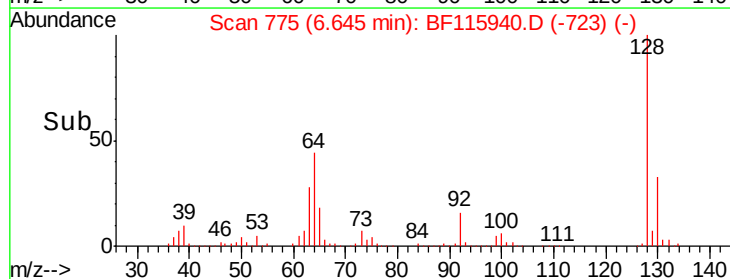
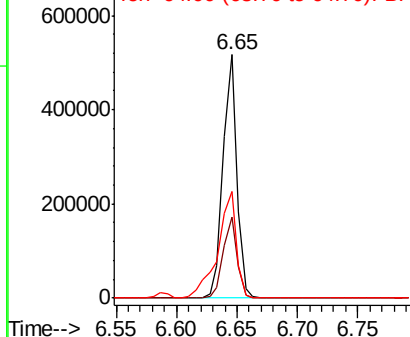
128 100

130 33.1 12.9 52.9

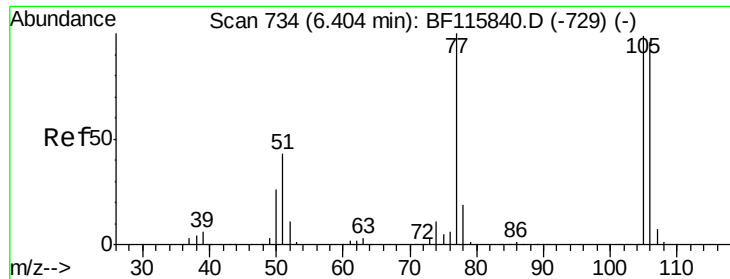
64 43.7 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1







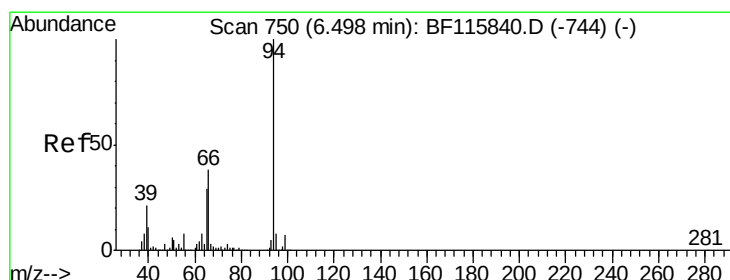
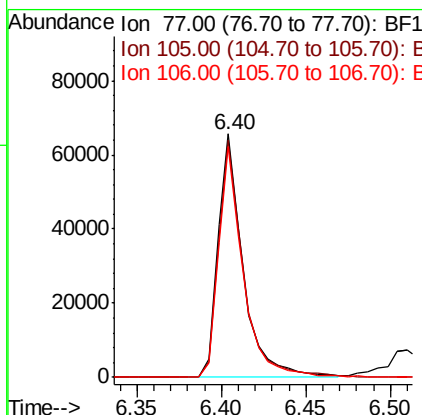
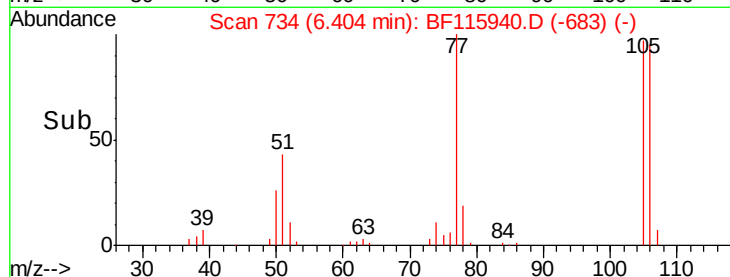
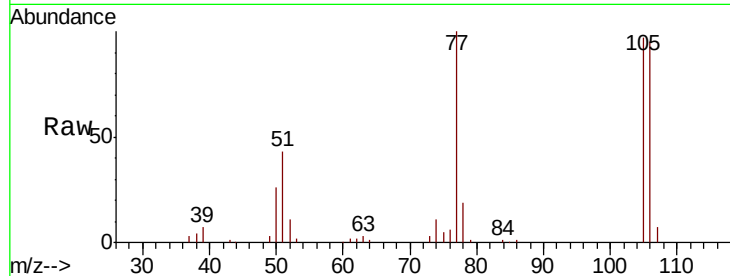
#9  
Benzaldehyde  
Concen: 8.542 ng  
RT: 6.40 min Scan# 734  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 97.4  | 79.0  | 119.0 |
| 106     | 94.8  | 76.2  | 116.2 |

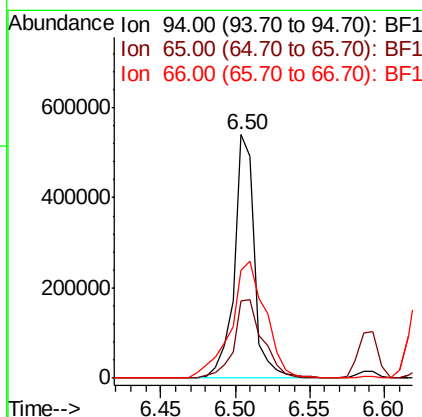
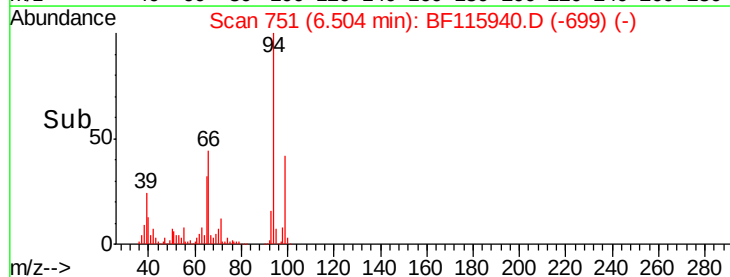
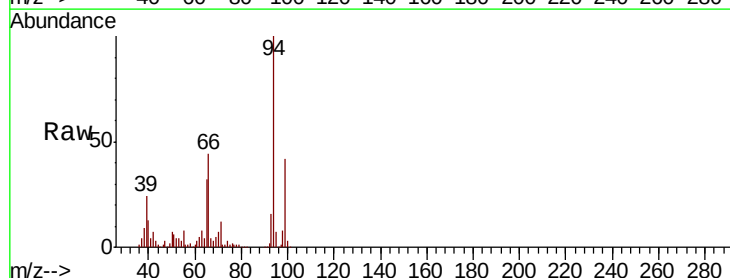
Manual Integrations  
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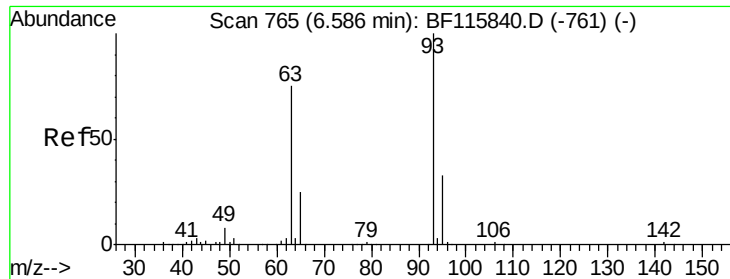


#10  
Phenol  
Concen: 37.993 ng  
RT: 6.50 min Scan# 751  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 31.8  | 8.9   | 48.9  |
| 66      | 44.4  | 18.0  | 58.0  |







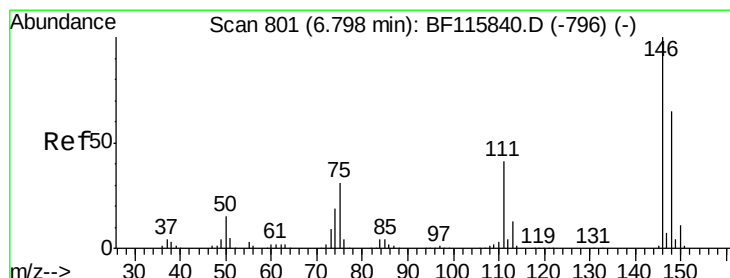
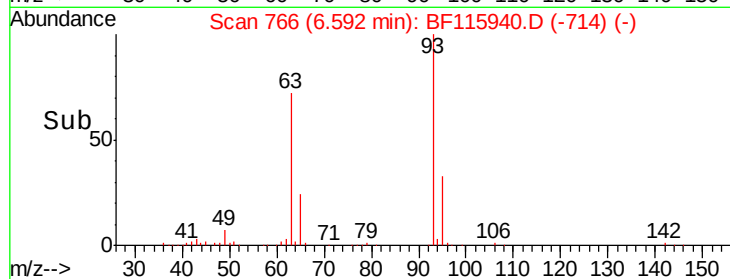
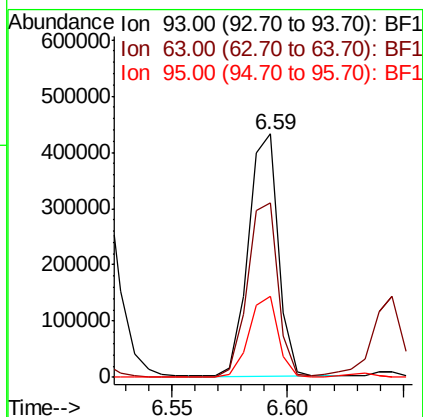
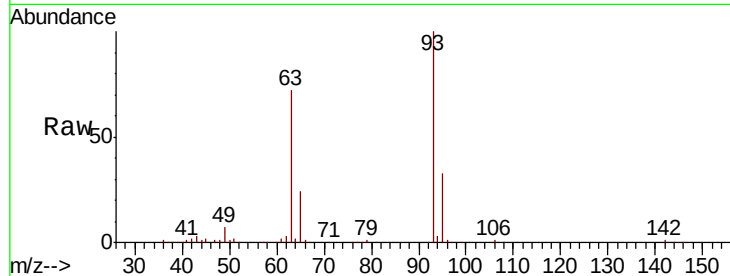
#11  
bis(2-Chloroethyl)ether  
Concen: 39.220 ng  
RT: 6.59 min Scan# 766  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 391794 |       |       |
| 63      | 71.7  | 54.9   | 94.9  |       |
| 95      | 33.1  | 13.3   | 53.3  |       |

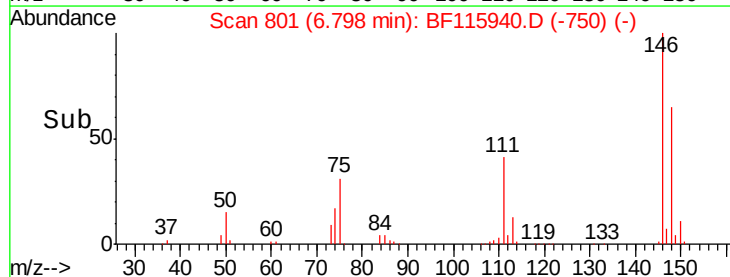
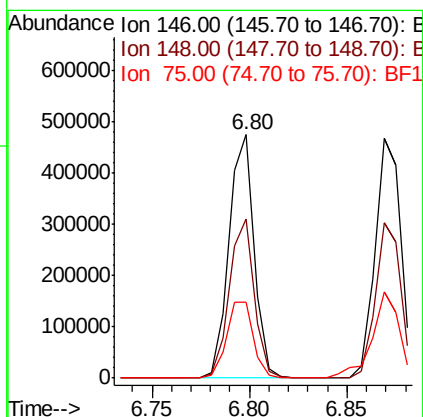
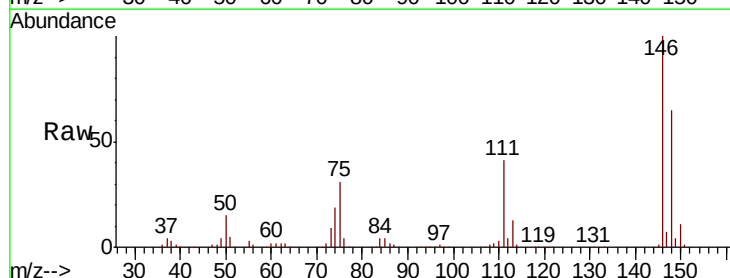
Manual Integrations  
APPROVED

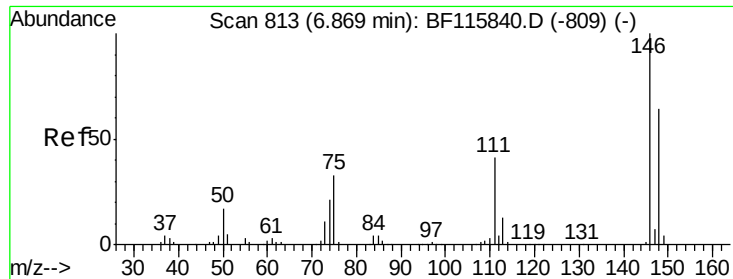
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 36.319 ng  
RT: 6.80 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 424469 |       |       |
| 148     | 65.4  | 52.1   | 78.1  |       |
| 75      | 31.3  | 25.0   | 37.6  |       |





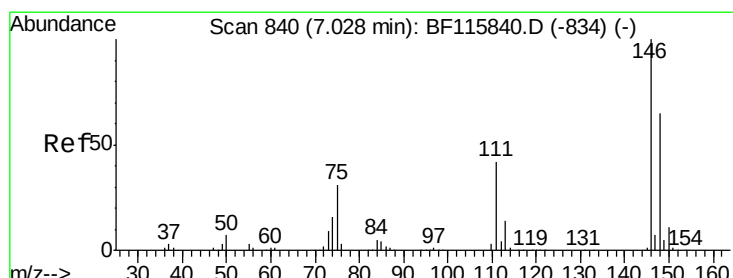
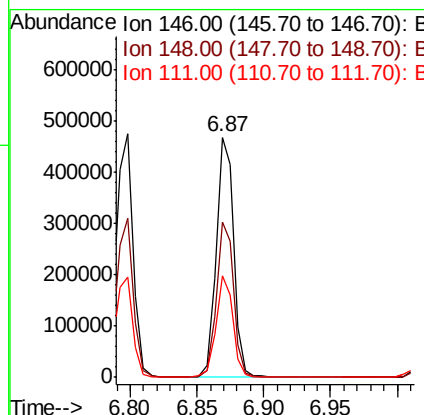
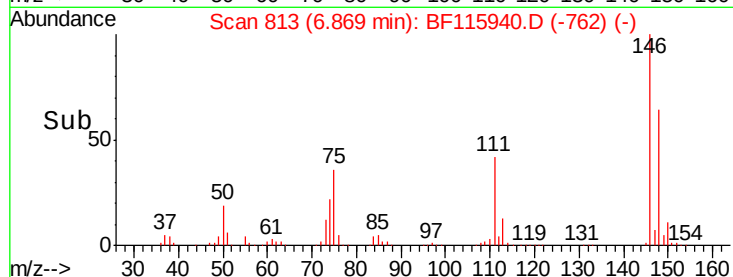
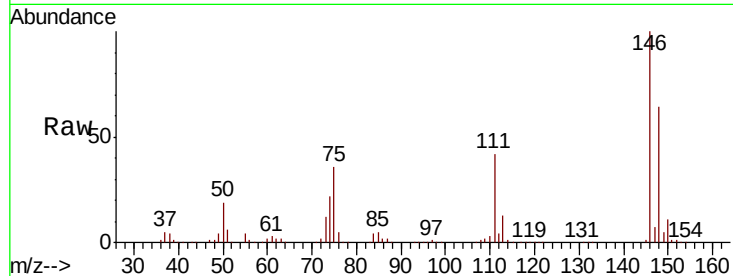
#13  
 1,4-Dichlorobenzene  
 Concen: 36.936 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 51.2  | 76.8  |
| 111     | 42.2  | 33.2  | 49.8  |

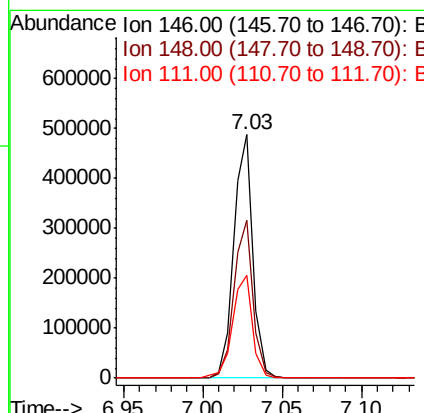
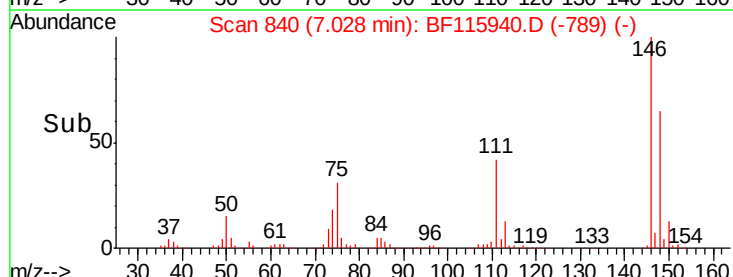
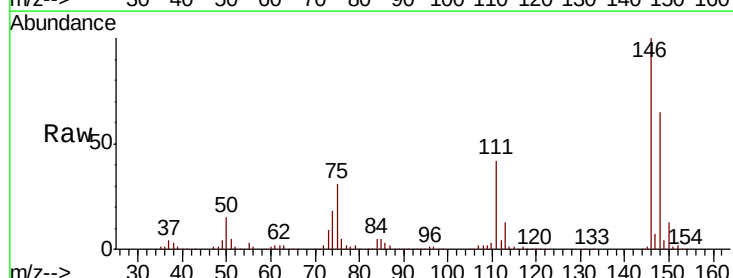
Manual Integrations  
 APPROVED

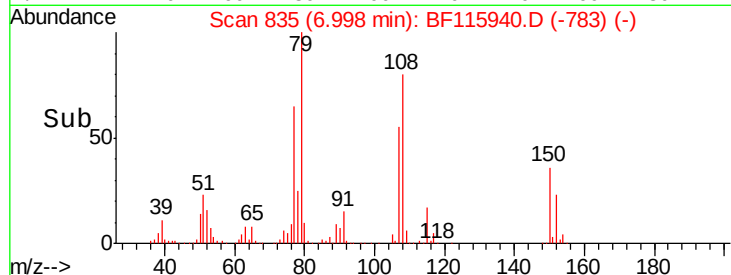
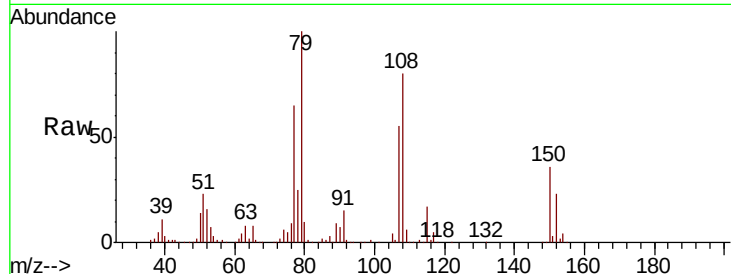
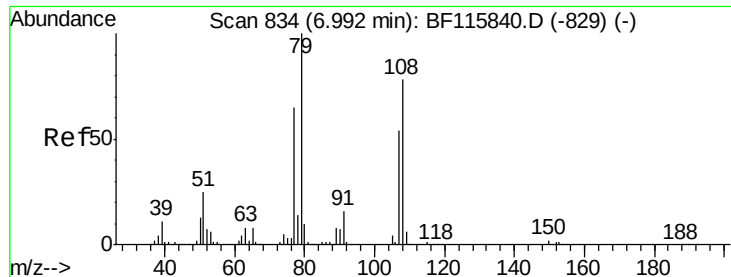
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#14  
 1,2-Dichlorobenzene  
 Concen: 37.579 ng  
 RT: 7.03 min Scan# 840  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 51.6  | 77.4  |
| 111     | 42.0  | 33.6  | 50.4  |





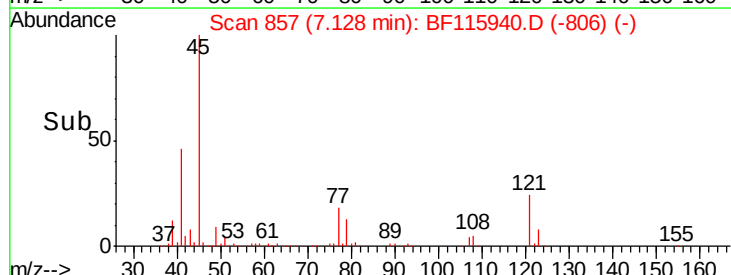
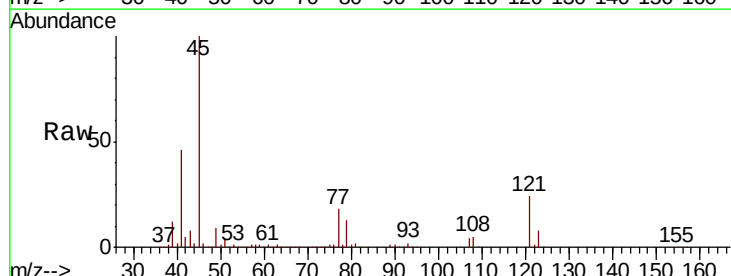
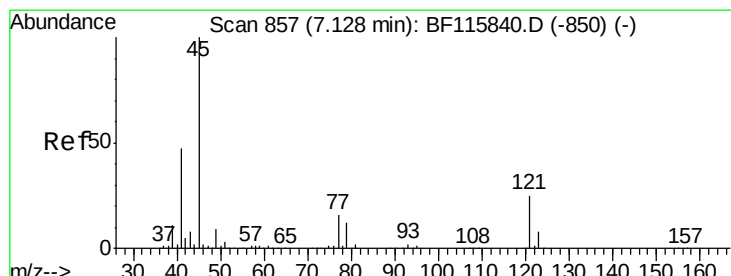
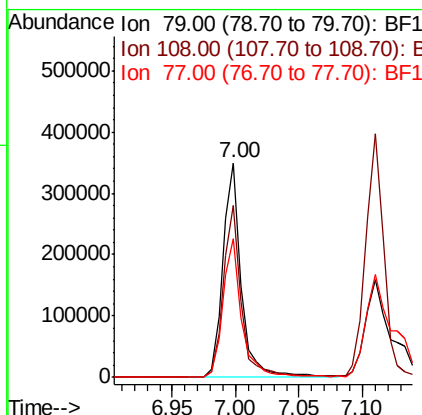
#15  
Benzyl Alcohol  
Concen: 40.476 ng  
RT: 7.00 min Scan# 835  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 80.3  | 62.8  | 94.2  |
| 77      | 64.8  | 52.0  | 78.0  |

Instrument :  
BNA\_F  
ClientSampleID :  
PB121939BS

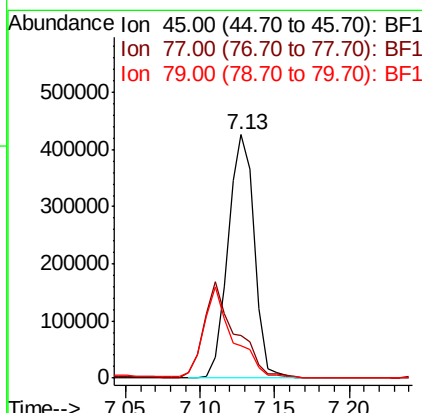
Manual Integrations  
APPROVED

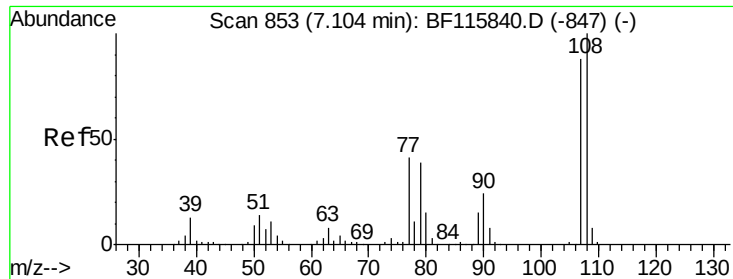
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.771 ng  
RT: 7.13 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 17.6  | 0.0   | 36.3  |
| 79      | 13.4  | 0.0   | 32.5  |





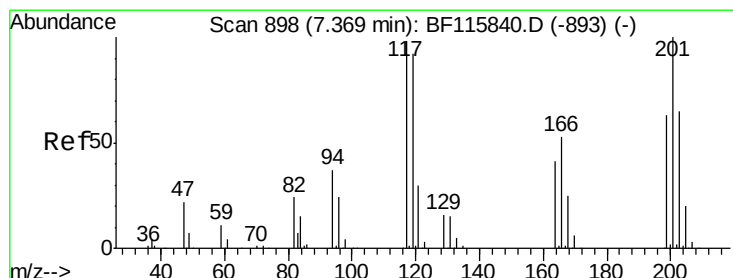
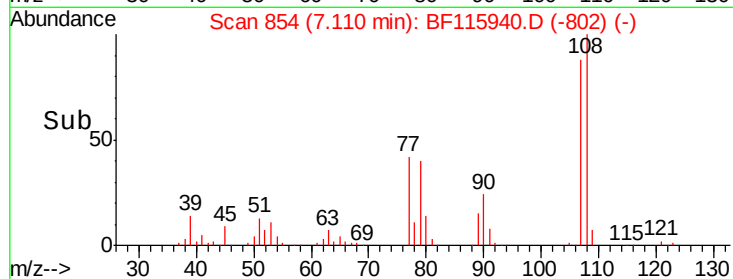
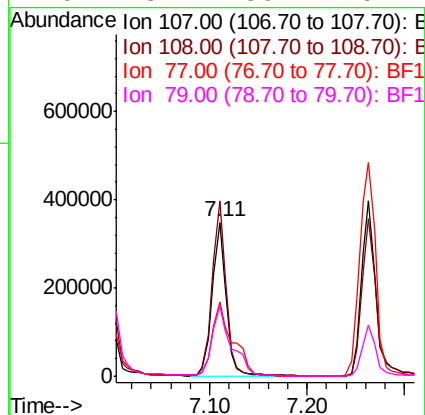
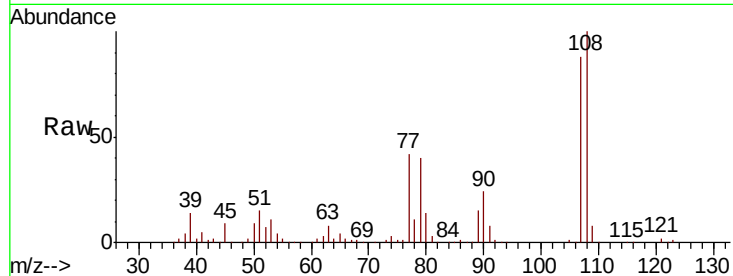
#17  
2-Methylphenol  
Concen: 40.486 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.6 | 91.4 | 137.0 |       |
| 77      | 48.1  | 37.6 | 56.4  |       |
| 79      | 45.7  | 36.2 | 54.4  |       |

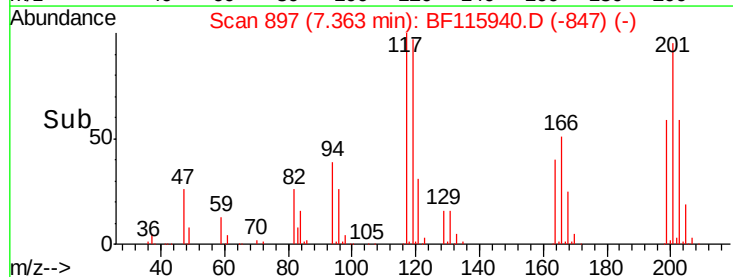
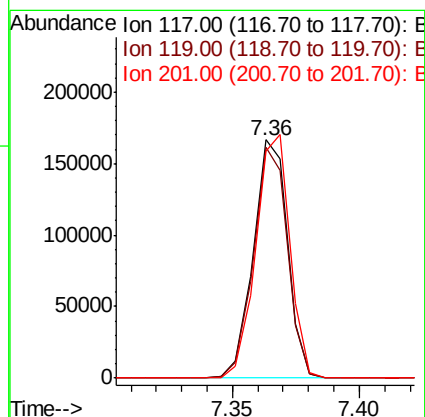
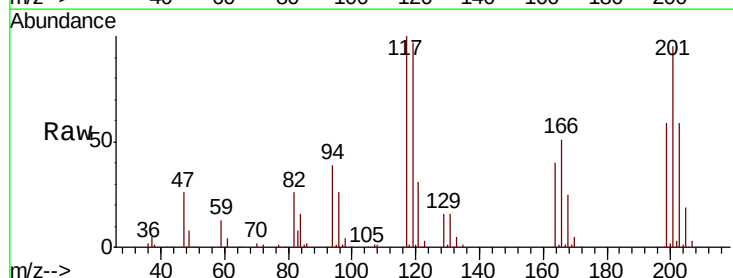
Manual Integrations  
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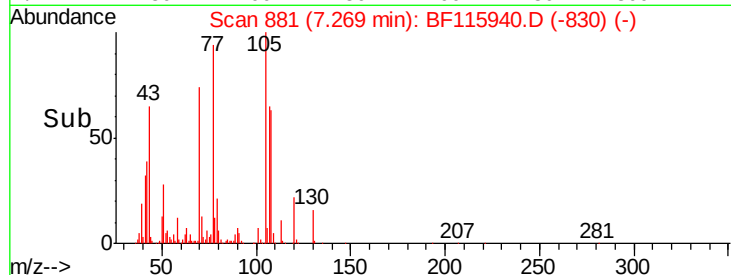
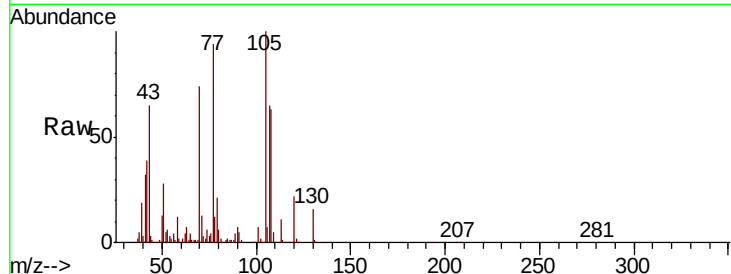
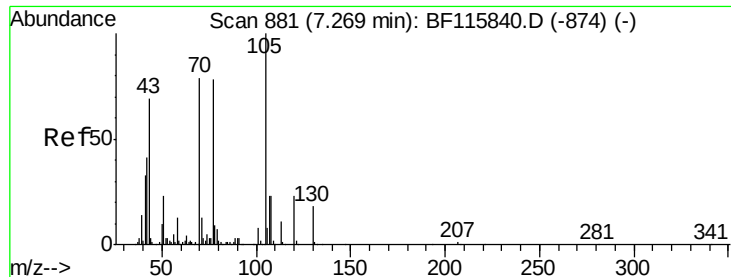
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#18  
Hexachloroethane  
Concen: 36.348 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.0  | 75.8 | 113.6 |       |
| 201     | 95.0  | 82.0 | 123.0 |       |





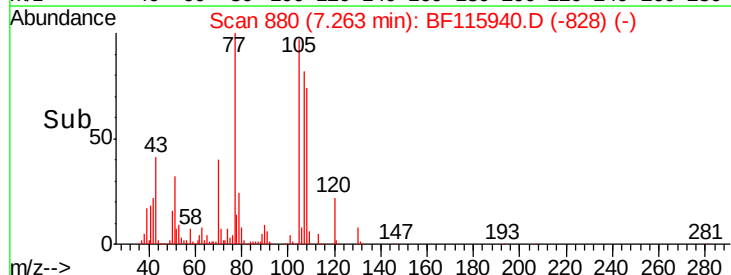
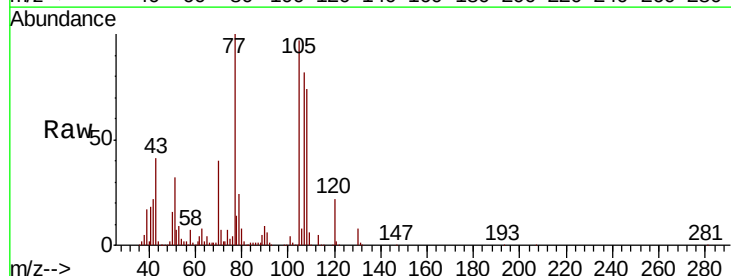
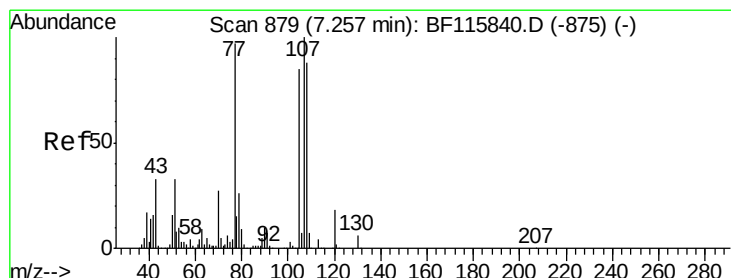
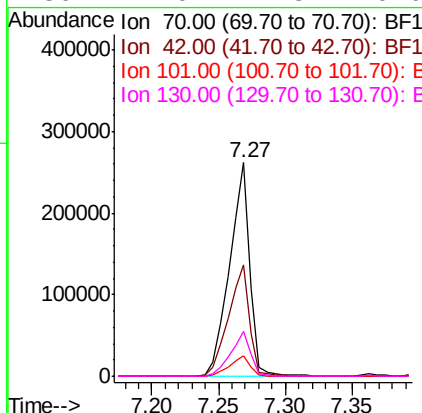
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.188 ng  
RT: 7.27 min Scan# 881  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 280195 |       |       |
| 42      | 52.3 | 41.8  | 62.8   |       |       |
| 101     | 9.4  | 7.7   | 11.5   |       |       |
| 130     | 21.0 | 17.8  | 26.6   |       |       |

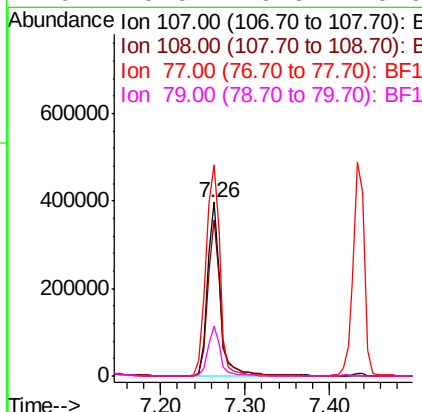
Manual Integrations  
APPROVED

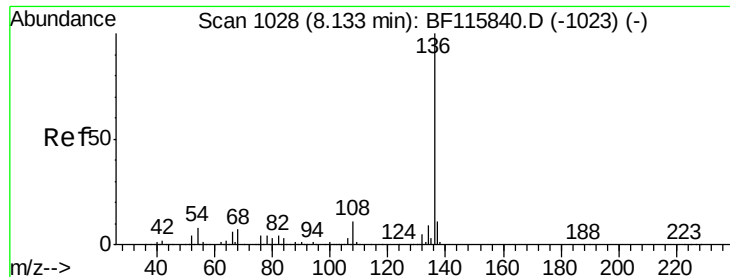
mohammad  
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#20  
3+4-Methylphenols  
Concen: 40.427 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 409654 |       |       |
| 108     | 89.6  | 67.9  | 107.9  |       |       |
| 77      | 121.8 | 77.3  | 117.3# |       |       |
| 79      | 29.0  | 6.6   | 46.6   |       |       |





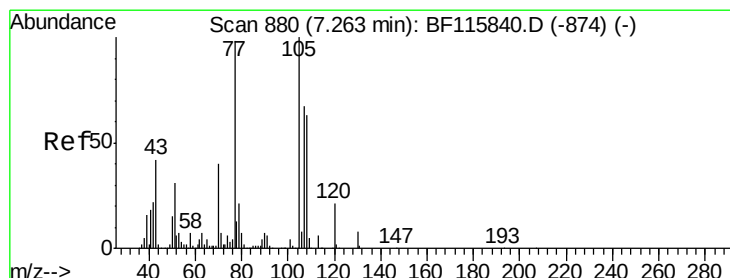
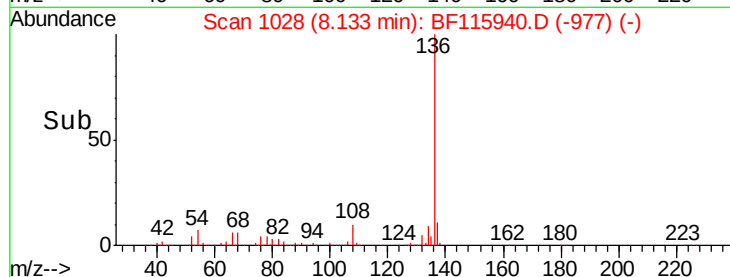
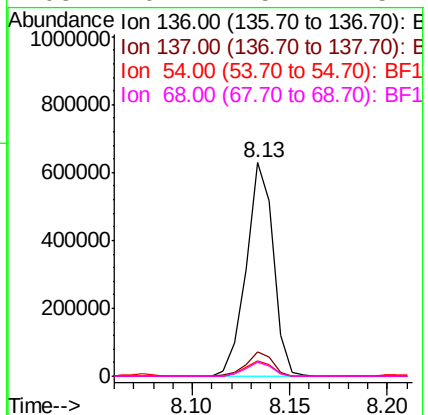
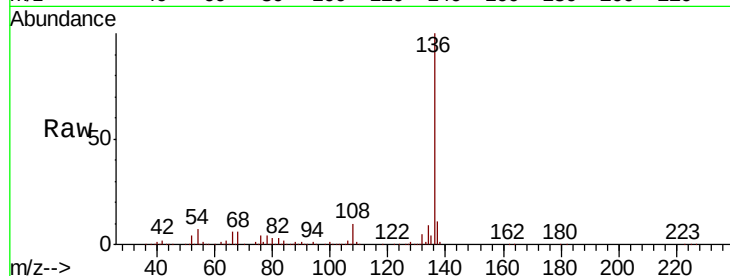
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 604450 |       |       |
| 137     | 11.2  |        | 9.1   | 13.7  |
| 54      | 7.3   |        | 6.1   | 9.1   |
| 68      | 6.4   |        | 5.4   | 8.2   |

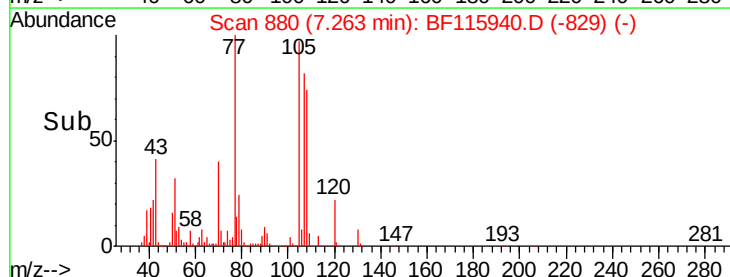
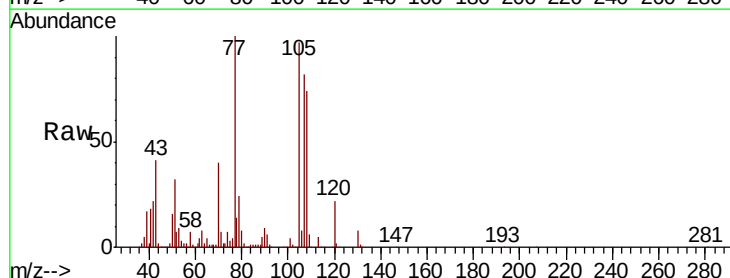
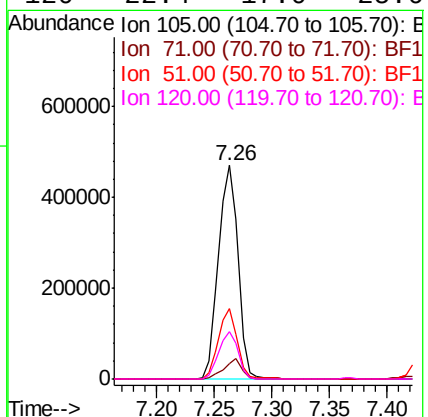
Manual Integrations  
APPROVED

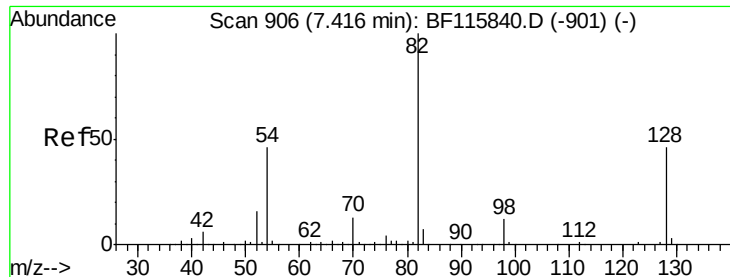
mohammad  
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#22  
Acetophenone  
Concen: 41.880 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 555184 |       |       |
| 71      | 7.0   |        | 5.4   | 8.0   |
| 51      | 33.0  |        | 24.6  | 36.8  |
| 120     | 22.4  |        | 17.0  | 25.6  |





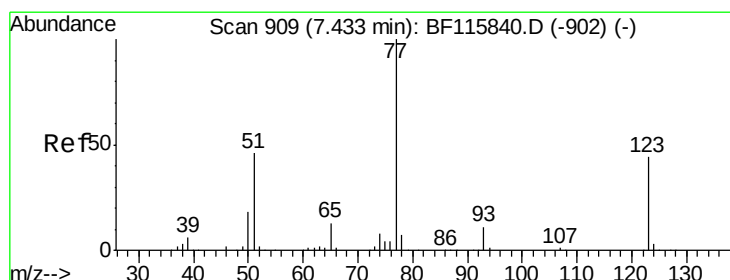
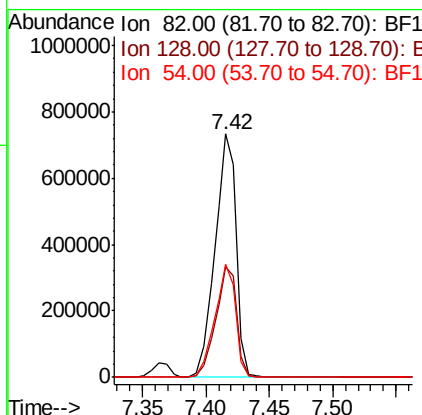
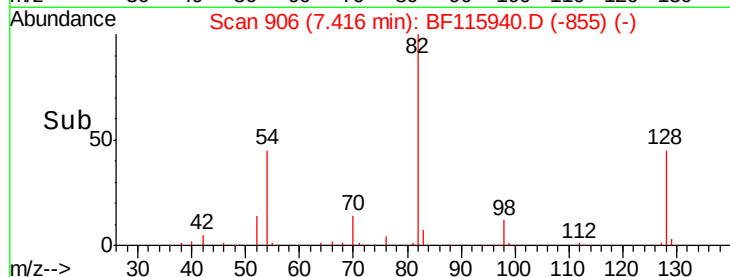
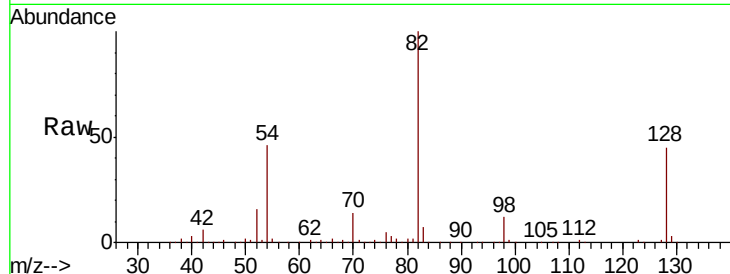
#23  
 Nitrobenzene-d5  
 Concen: 81.382 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.4  | 36.6  | 55.0  |
| 54      | 46.4  | 36.6  | 55.0  |

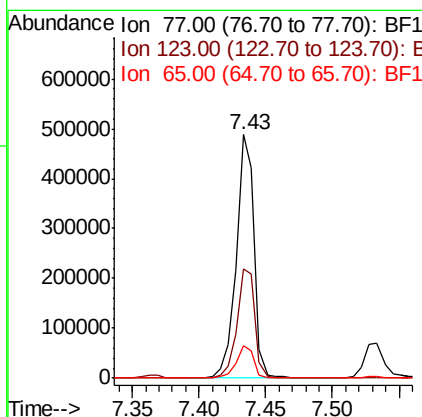
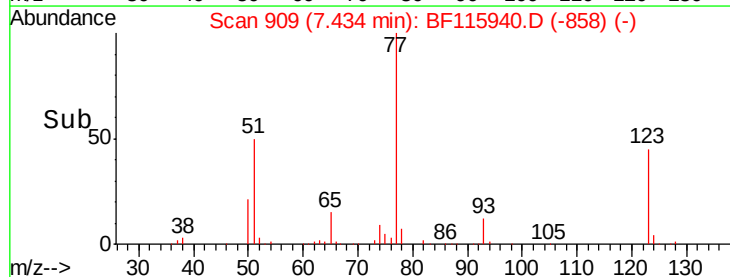
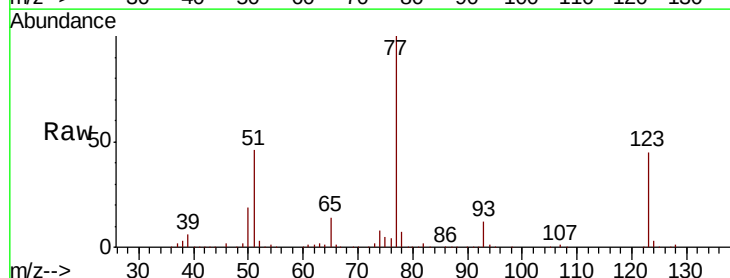
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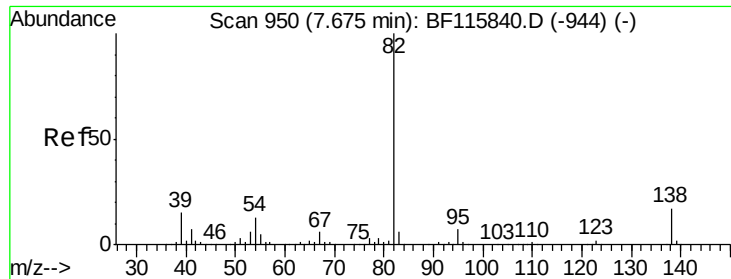


#24  
 Nitrobenzene  
 Concen: 40.209 ng  
 RT: 7.43 min Scan# 909  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.8  | 35.5  | 53.3  |
| 65      | 13.6  | 10.6  | 15.8  |







#25

Isophorone

Concen: 41.263 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

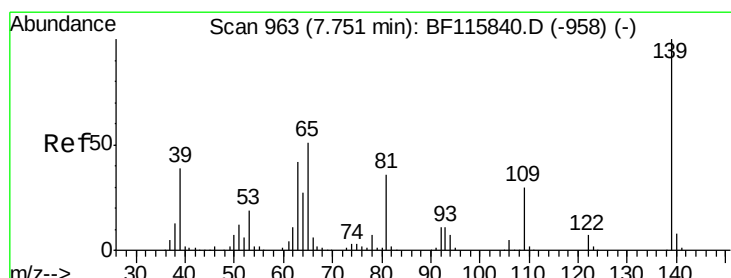
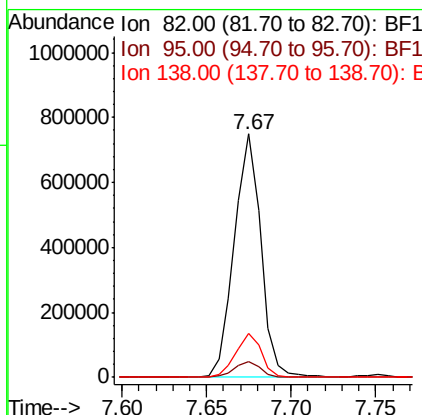
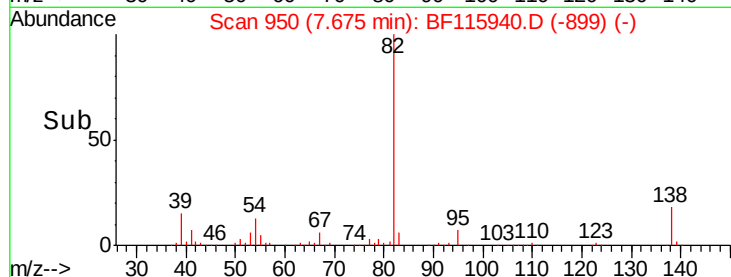
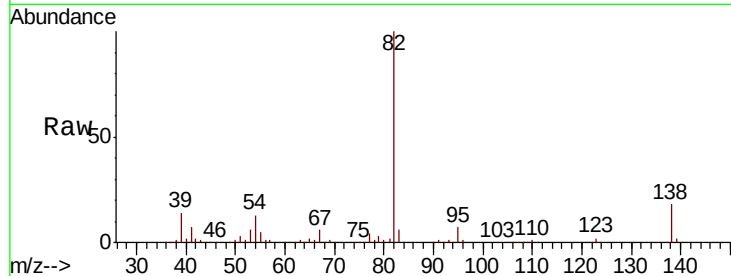
ClientSampleId :

PB121939BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 826218 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.7   | 5.5   | 8.3    |
| 138       | 17.8  | 13.9  | 20.9   |

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#26

2-Nitrophenol

Concen: 42.247 ng

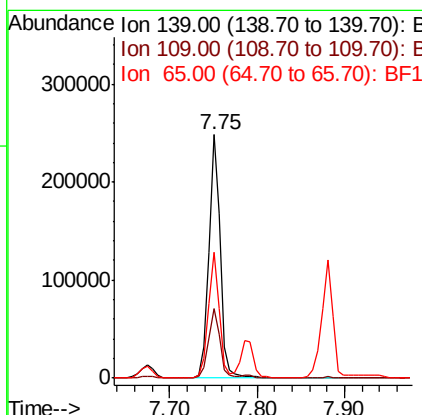
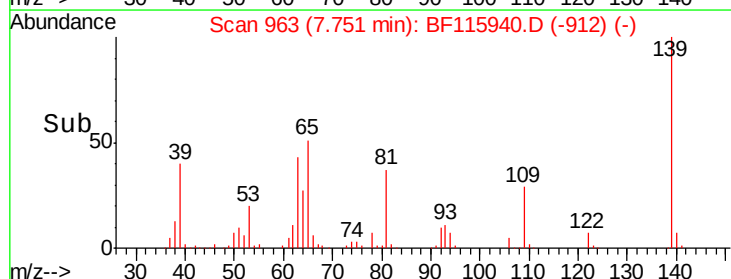
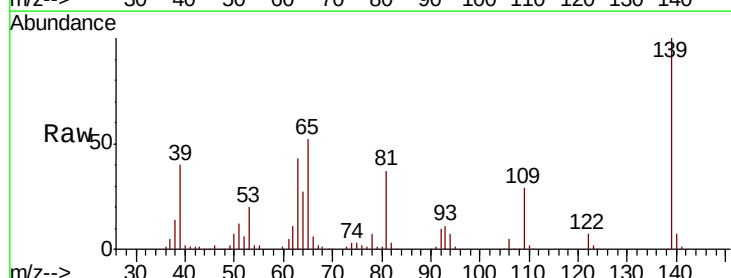
RT: 7.75 min Scan# 963

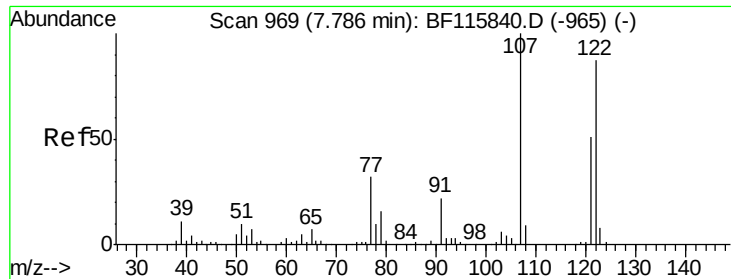
Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 225168 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 28.8  | 23.6  | 35.4   |
| 65        | 51.5  | 40.6  | 60.8   |





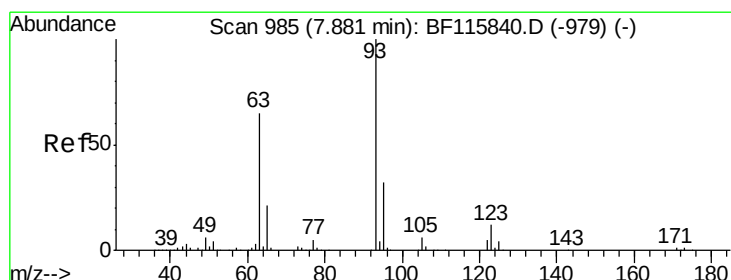
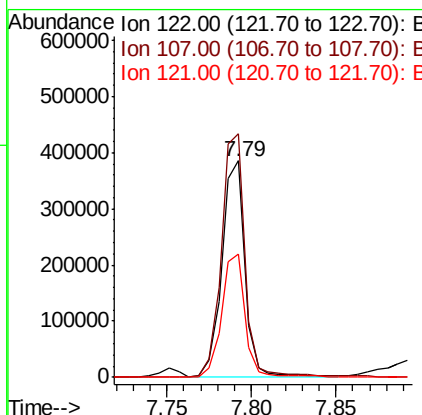
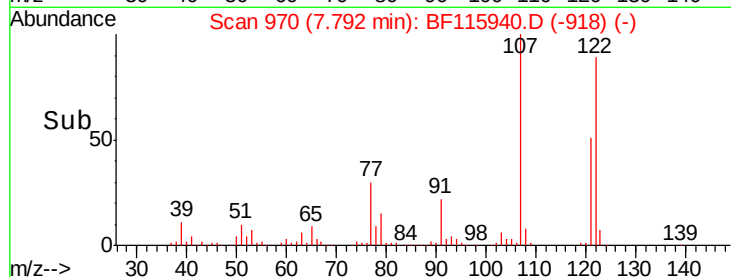
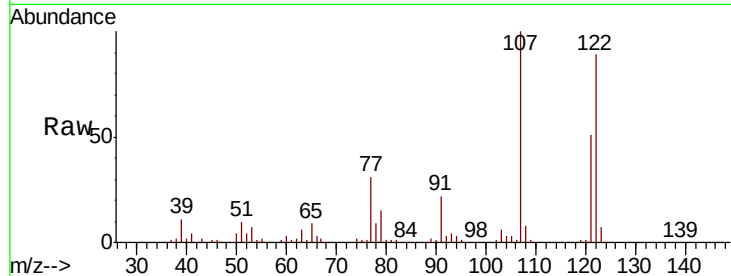
#27  
 2,4-Dimethylphenol  
 Concen: 46.120 ng  
 RT: 7.79 min Scan# 970  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 369823 |       |       |
| 107     | 112.6 | 91.7   | 137.5 |       |
| 121     | 57.0  | 46.6   | 70.0  |       |

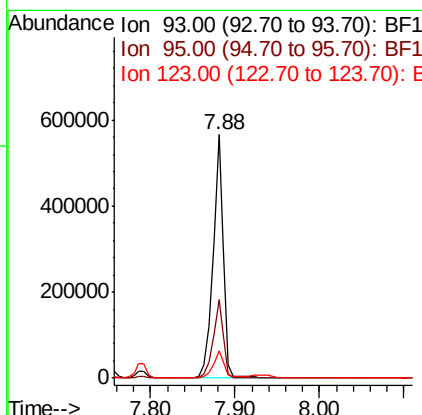
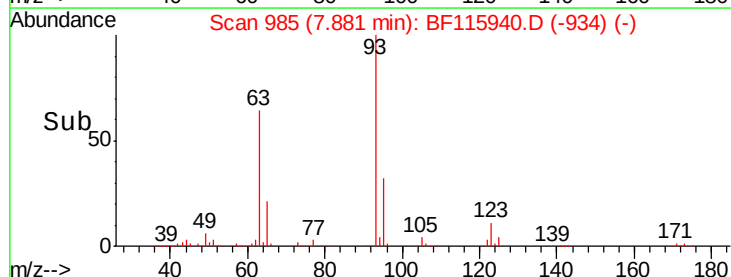
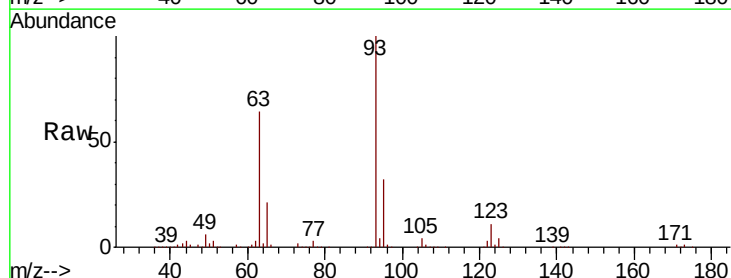
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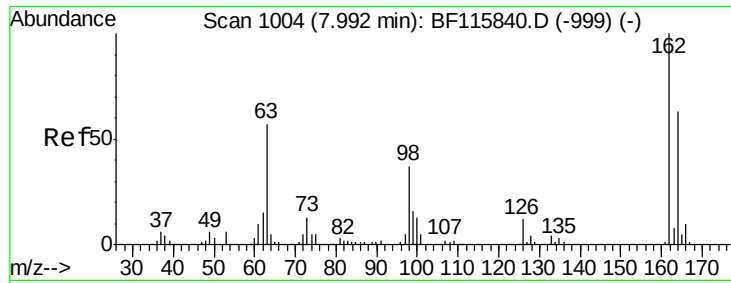
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.179 ng  
 RT: 7.88 min Scan# 985  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 498648 |       |       |
| 95      | 32.3  | 26.0   | 39.0  |       |
| 123     | 11.4  | 9.5    | 14.3  |       |





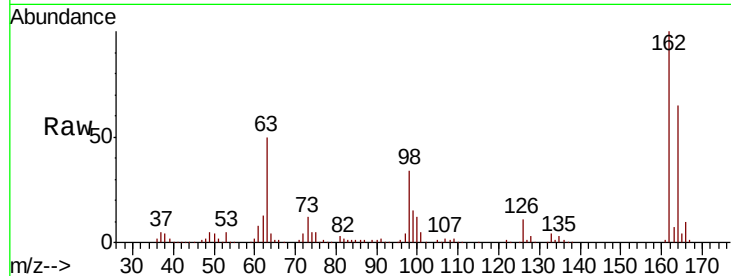
#29  
2,4-Dichlorophenol  
Concen: 41.952 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 65.1  | 43.2       | 83.2       |
| 98      | 34.0  | 17.3       | 57.3       |

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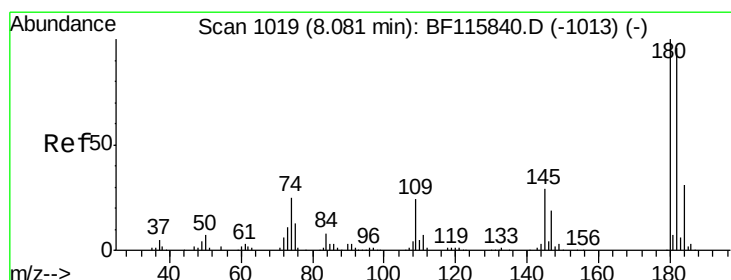
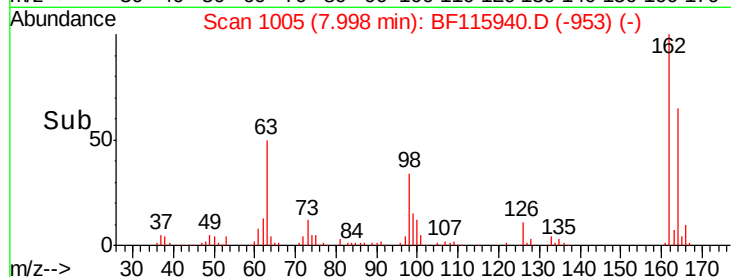
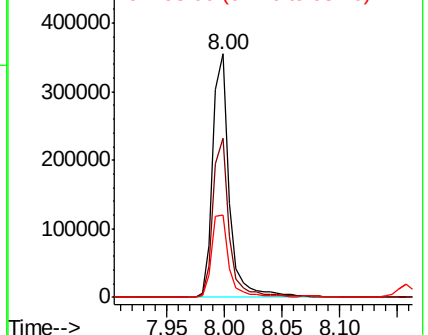


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
1,2,4-Trichlorobenzene  
Concen: 39.494 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

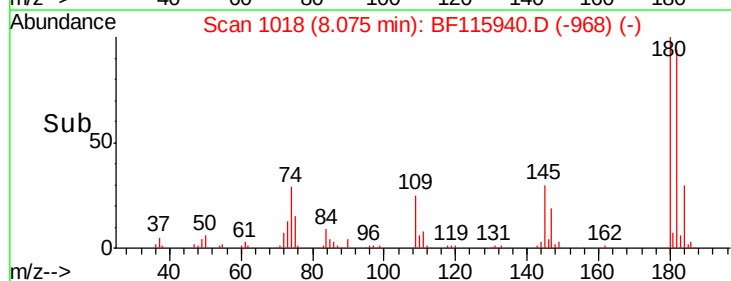
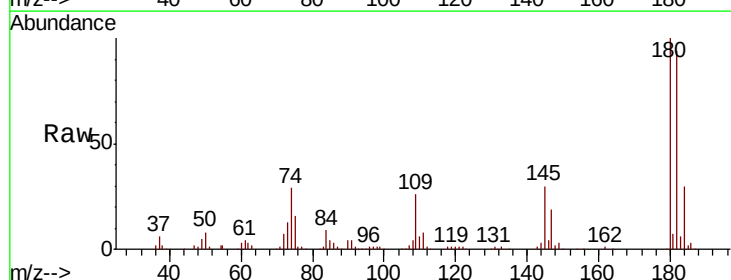
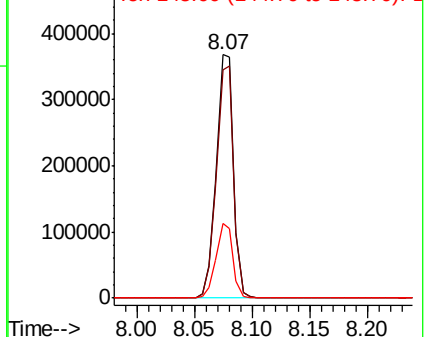
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 94.0  | 76.6       | 114.8      |
| 145     | 30.5  | 23.2       | 34.8       |

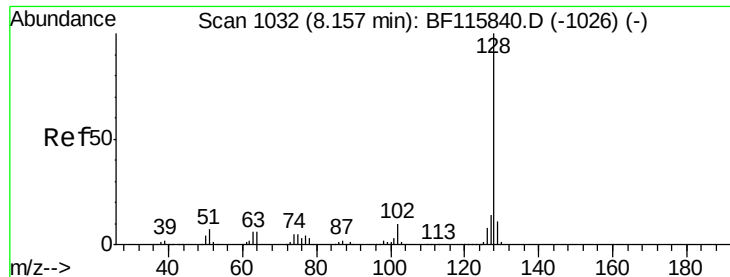
Abundance

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: 41.024 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

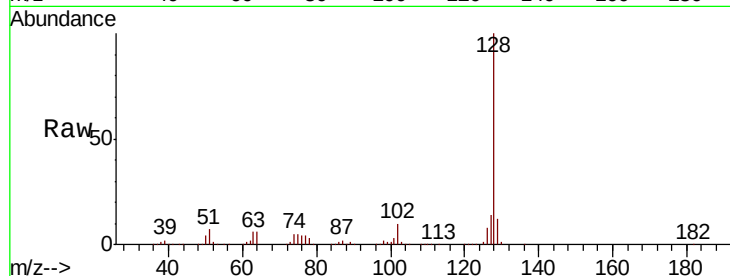
ClientSampleId :

PB121939BS

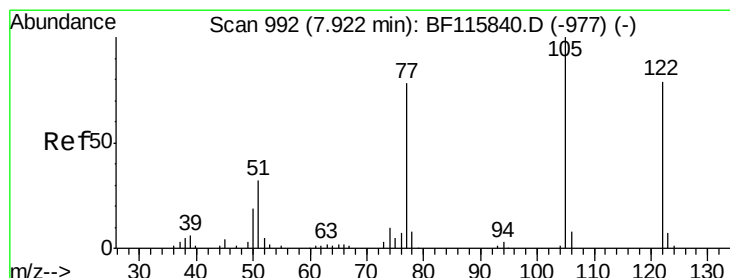
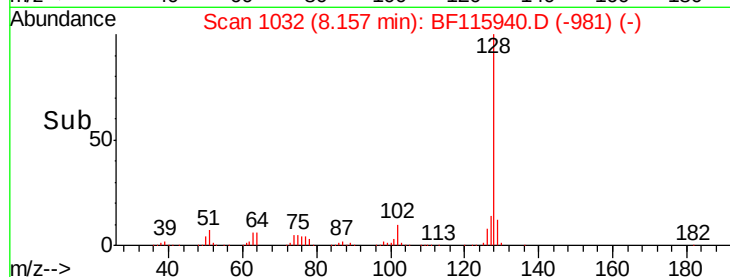
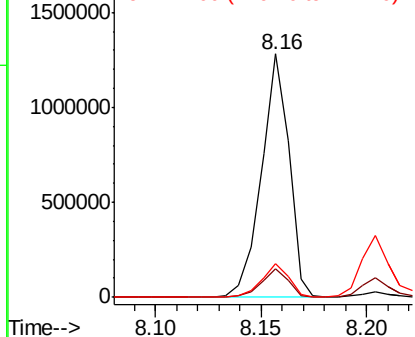
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 128   | Resp: | 1166902 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 129      | 11.6  | 9.2   | 13.8    |
| 127      | 13.9  | 11.0  | 16.4    |

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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: 40.515 ng

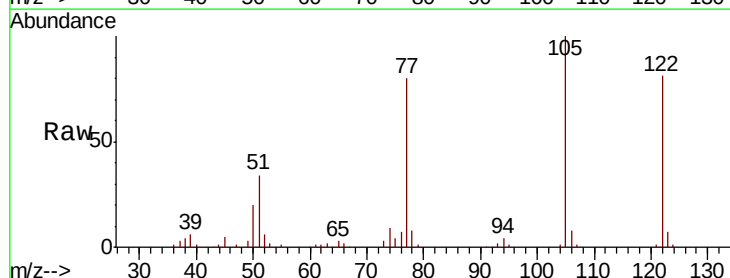
RT: 7.94 min Scan# 995

Delta R.T. 0.02 min

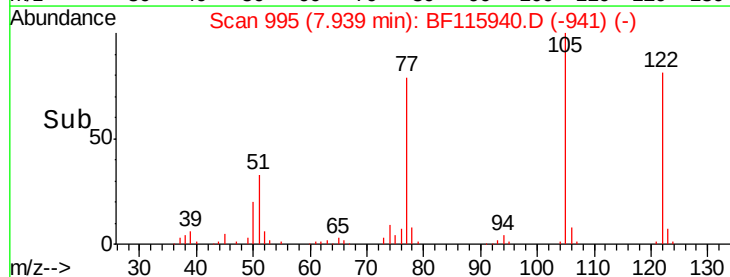
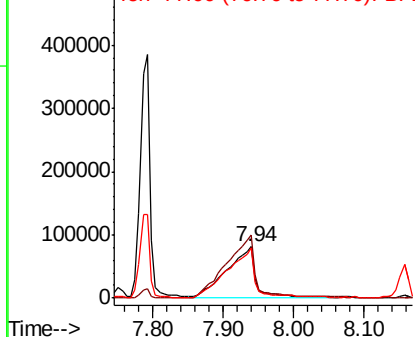
Lab File: BF115940.D

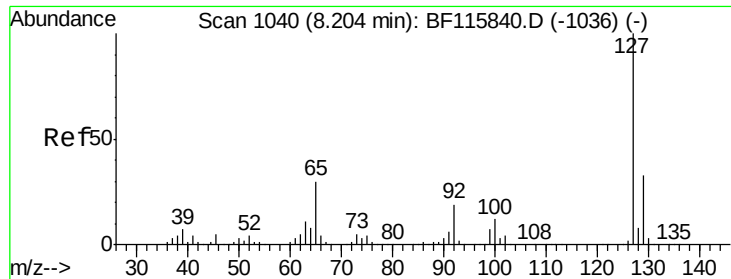
Acq: 2 Aug 2019 12:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 229050 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 123.2 | 103.1 | 143.1  |
| 77       | 98.1  | 76.8  | 116.8  |



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





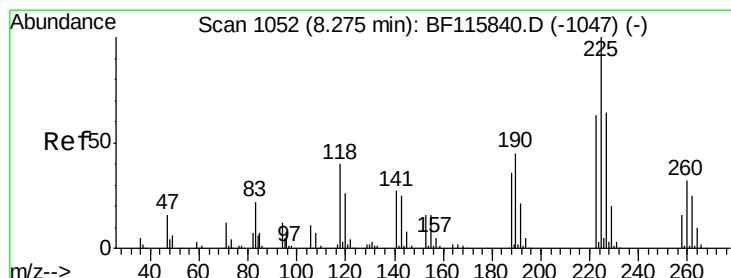
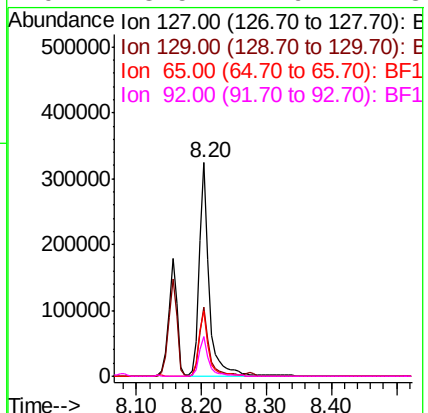
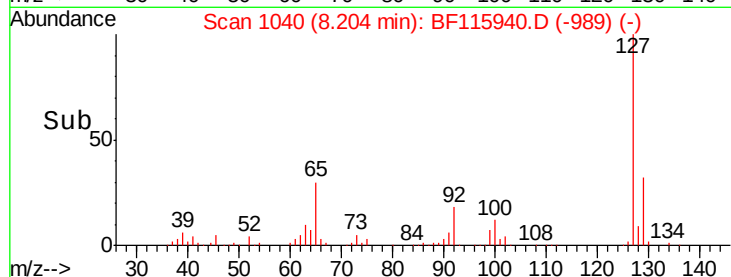
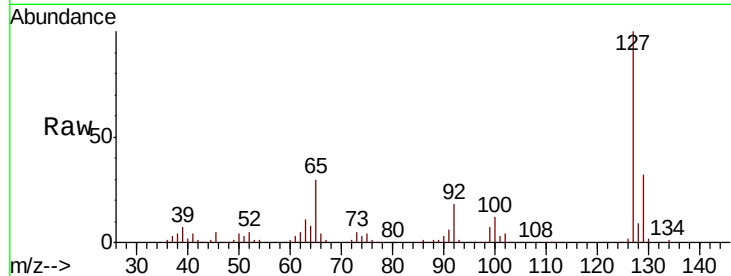
#33  
4-Chloroaniline  
Concen: 27.067 ng  
RT: 8.20 min Scan# 1040  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.3 | 26.0  | 39.0 |       |       |
| 65      | 30.5 | 23.9  | 35.9 |       |       |
| 92      | 18.5 | 14.9  | 22.3 |       |       |

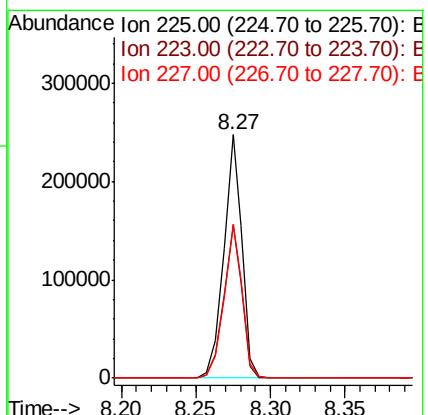
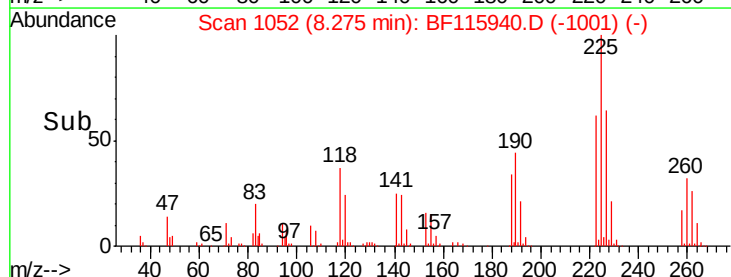
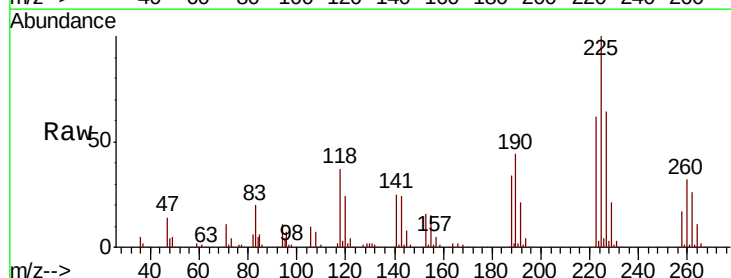
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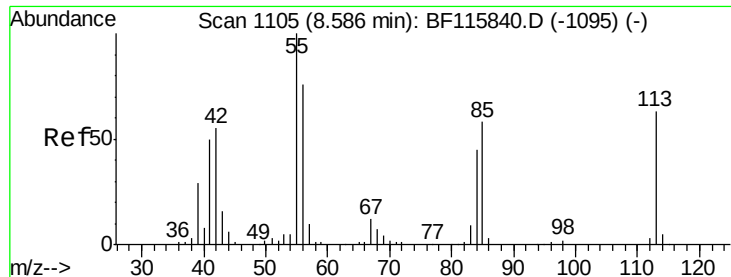
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#34  
Hexachlorobutadiene  
Concen: 38.266 ng  
RT: 8.27 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.5 | 50.4  | 75.6 |       |       |
| 227     | 63.5 | 51.6  | 77.4 |       |       |





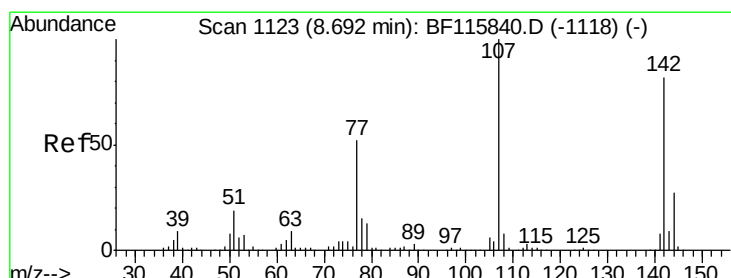
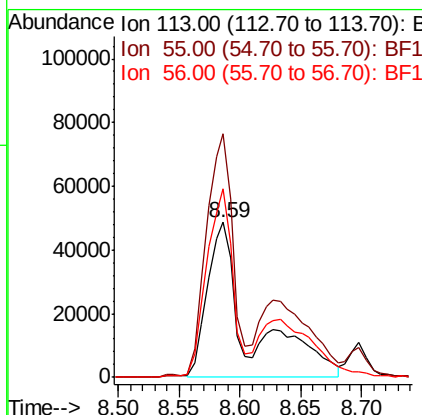
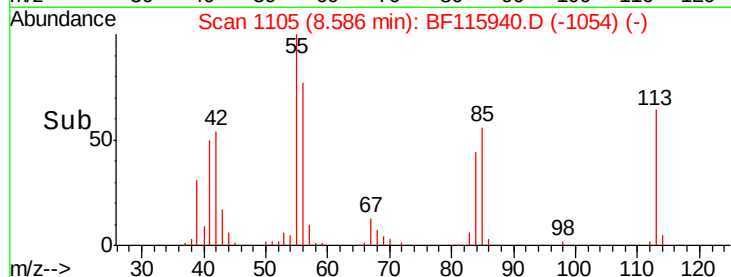
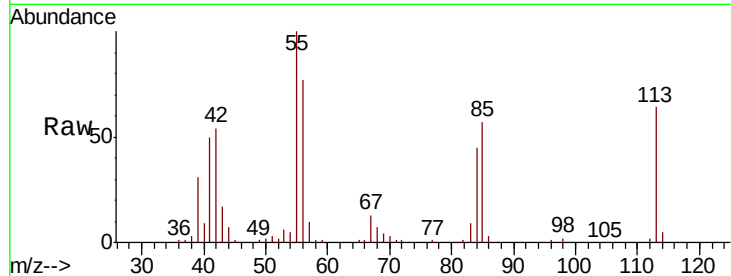
#35  
Caprolactam  
Concen: 42.750 ng/ml  
RT: 8.59 min Scan# 1105  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |       |
| 55      | 157.1 | 138.1 | 178.1 |       |       |
| 56      | 121.4 | 100.6 | 140.6 |       |       |

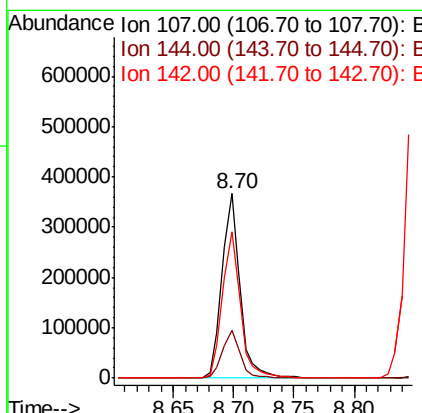
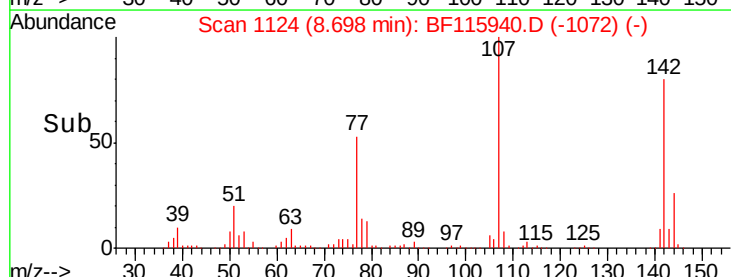
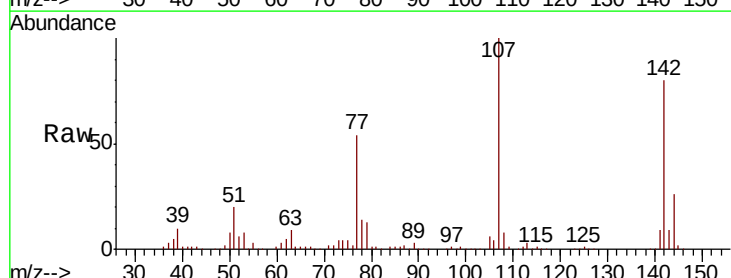
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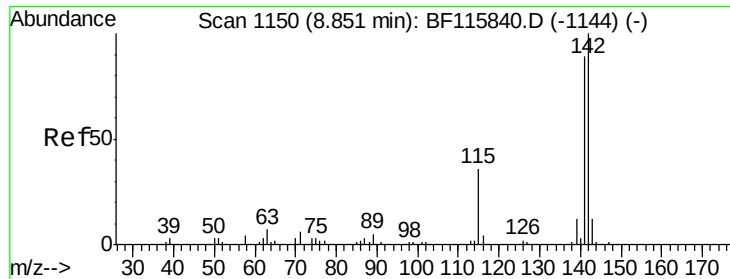
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#36  
4-Chloro-3-methylphenol  
Concen: 43.190 ng/ml  
RT: 8.70 min Scan# 1124  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 107     | 100  |       |      |       |       |
| 144     | 26.1 | 21.4  | 32.0 |       |       |
| 142     | 79.6 | 65.5  | 98.3 |       |       |





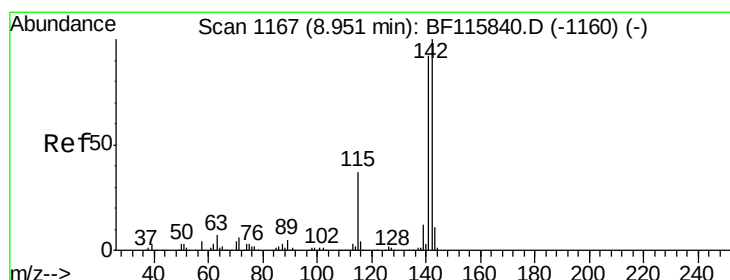
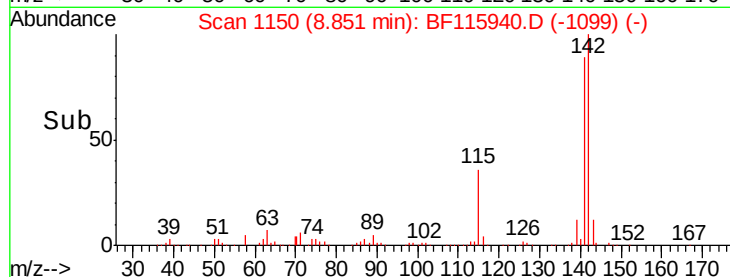
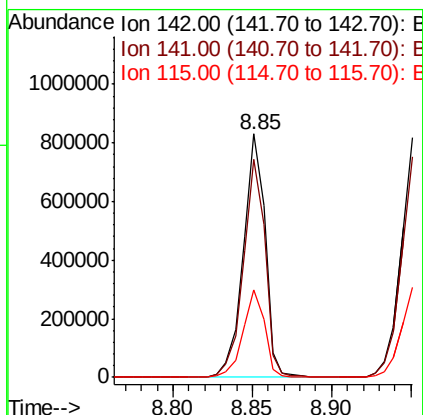
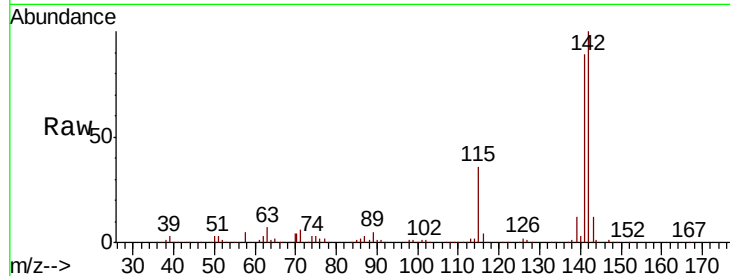
#37  
2-Methylnaphthalene  
Concen: 42.192 ng  
RT: 8.85 min Scan# 1150  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 71.4  | 107.2 |
| 115     | 36.0  | 28.9  | 43.3  |

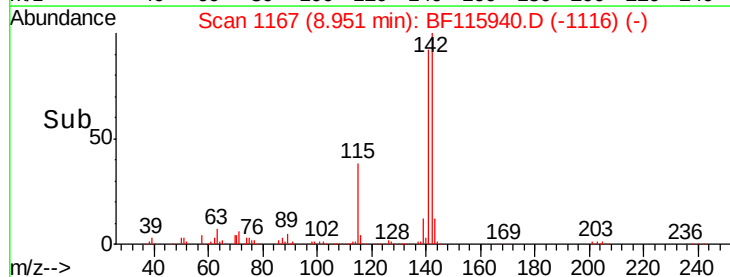
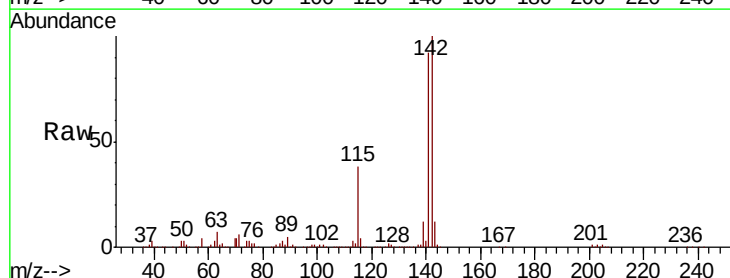
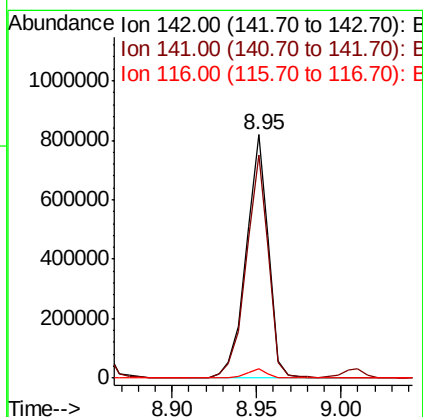
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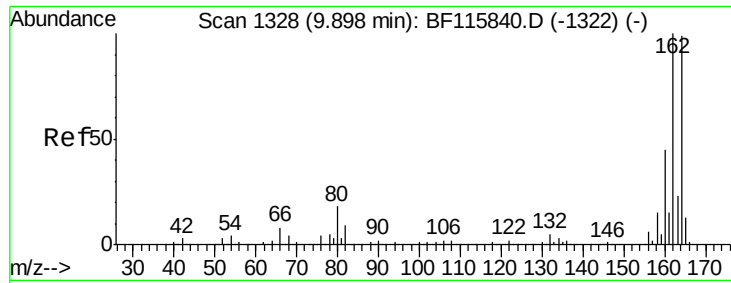
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 42.154 ng  
RT: 8.95 min Scan# 1167  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.8  | 73.8  | 110.6 |
| 116     | 3.9   | 3.1   | 4.7   |





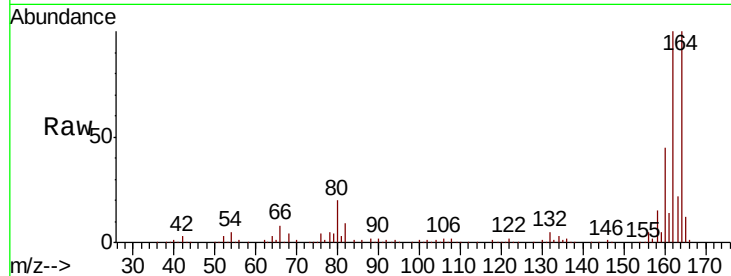
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 100.5 | 80.8 | 121.2 |       |
| 160     | 45.0  | 36.2 | 54.4  |       |

Manual Integrations  
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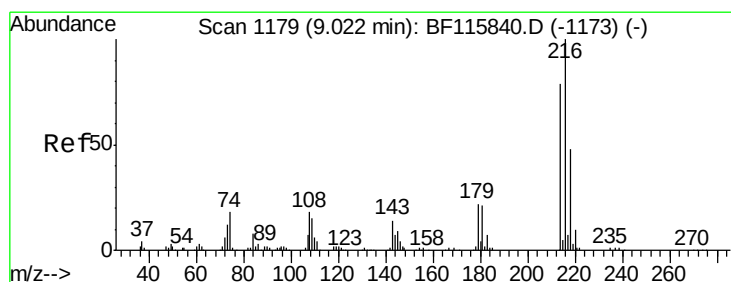
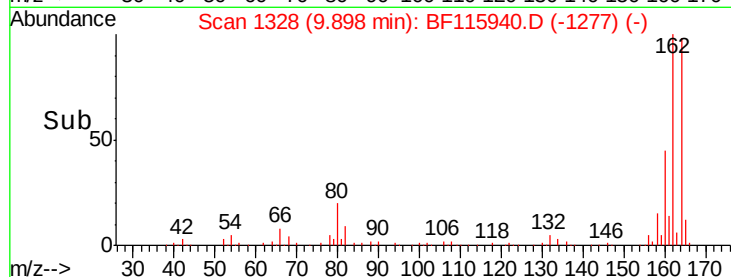
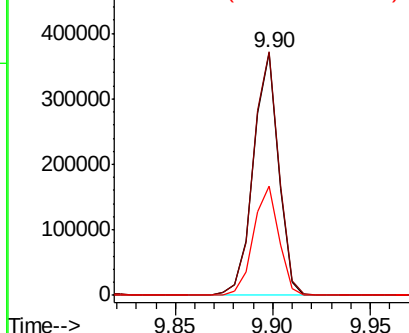


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.167 ng  
RT: 9.02 min Scan# 1179  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.6  | 62.8 | 94.2  |       |
| 179     | 22.0  | 17.6 | 26.4  |       |
| 108     | 21.1  | 16.1 | 24.1  |       |

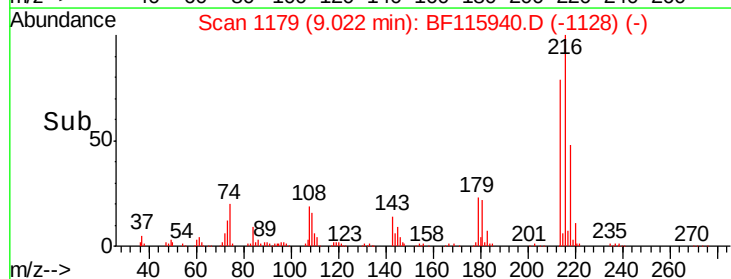
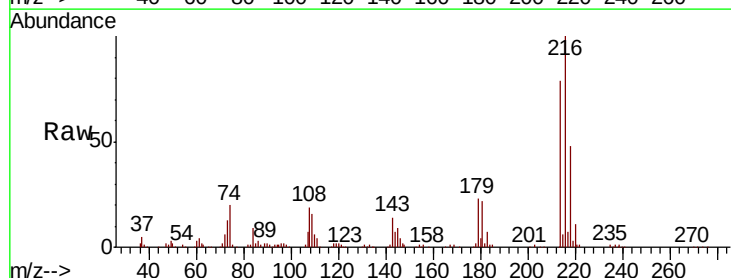
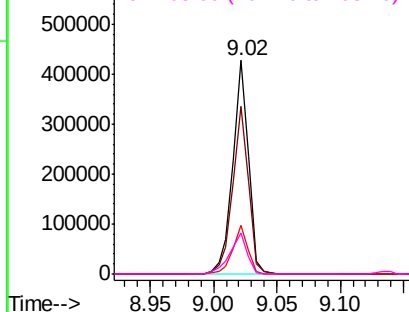
Abundance

Ion 216.00 (215.70 to 216.70): E

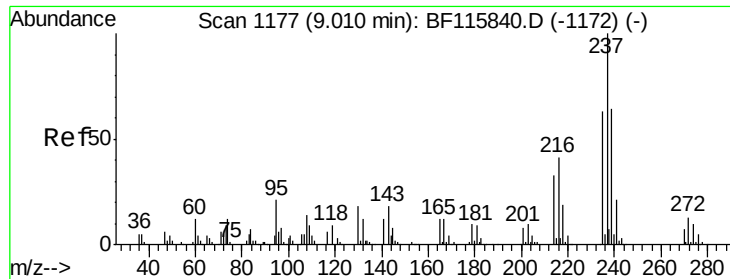
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







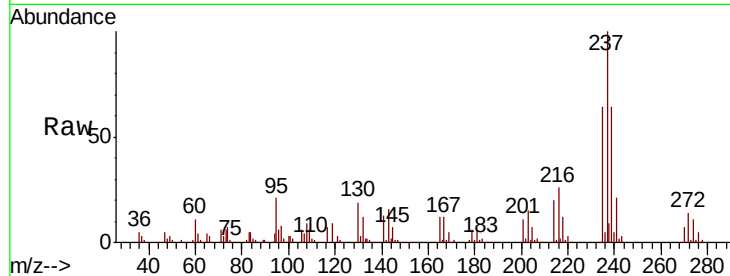
#41  
Hexachlorocyclopentadiene  
Concen: 57.043 ng  
RT: 9.01 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

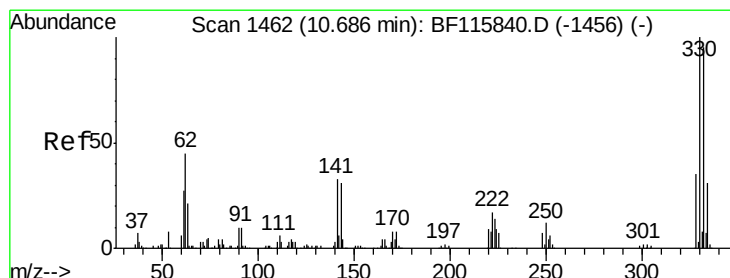
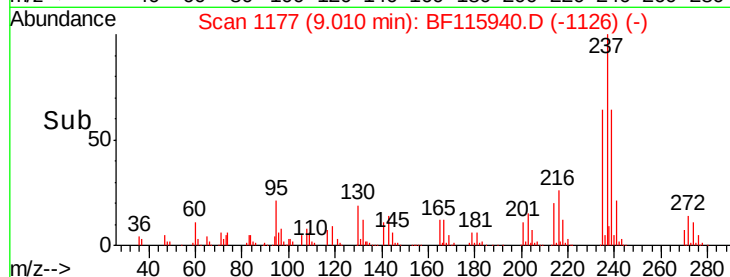
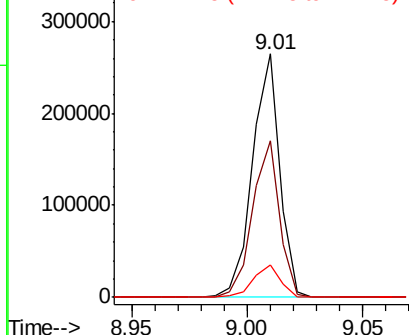
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 64.1  | 42.5       | 82.5  |
| 272     | 13.6  | 0.0        | 33.3  |

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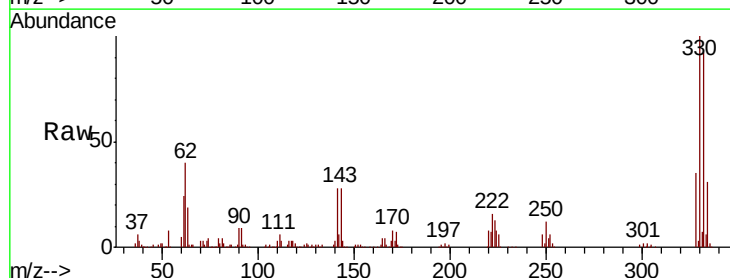


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

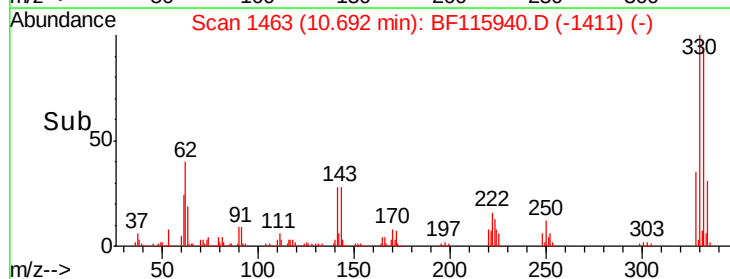
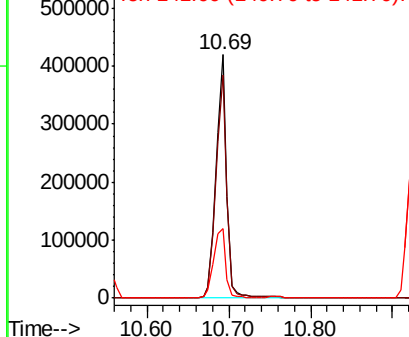


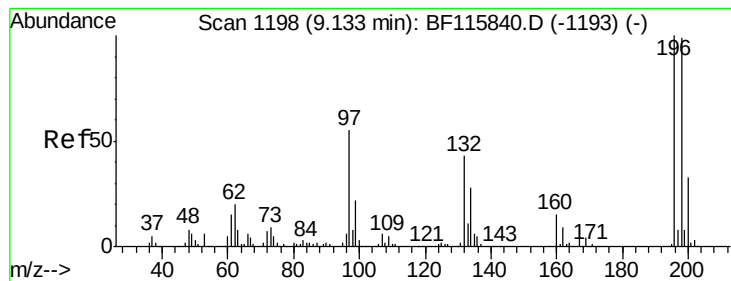
#42  
2,4,6-Tribromophenol  
Concen: 120.079 ng  
RT: 10.69 min Scan# 1463  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.4  | 77.7       | 116.5 |
| 141     | 32.2  | 28.1       | 42.1  |



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: 39.300 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

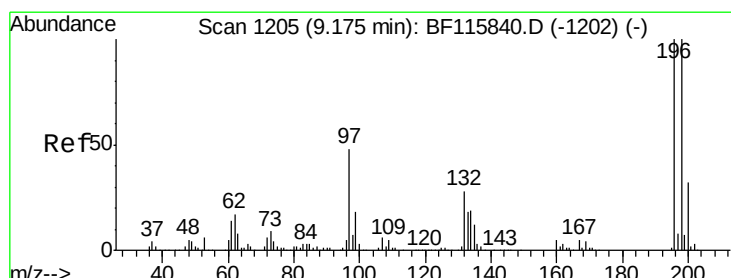
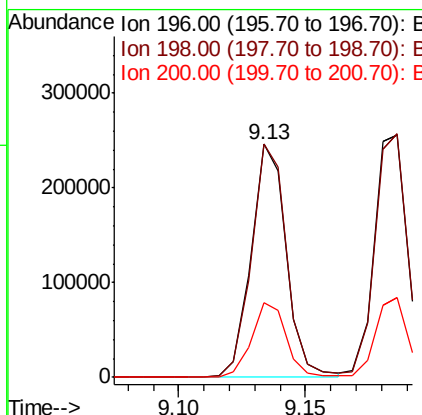
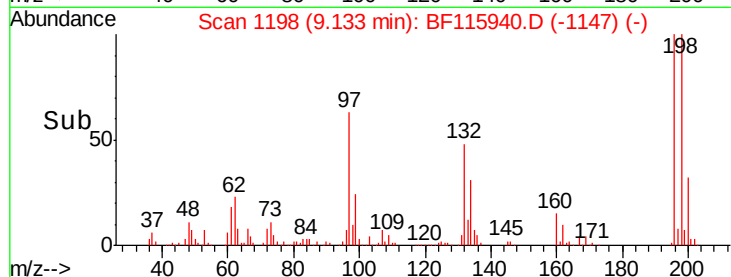
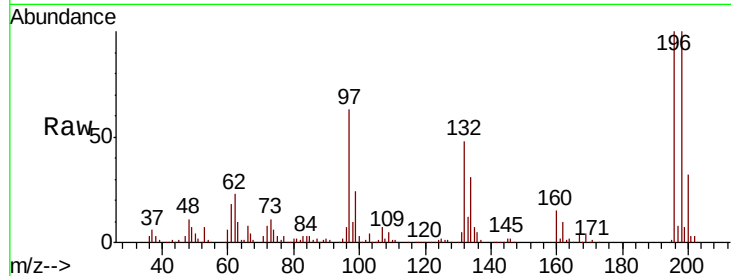
ClientSampleId :

PB121939BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 238714 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 100.1 | 79.1  | 118.7  |
| 200       | 32.2  | 26.0  | 39.0   |

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#44

2,4,5-Trichlorophenol

Concen: 41.154 ng

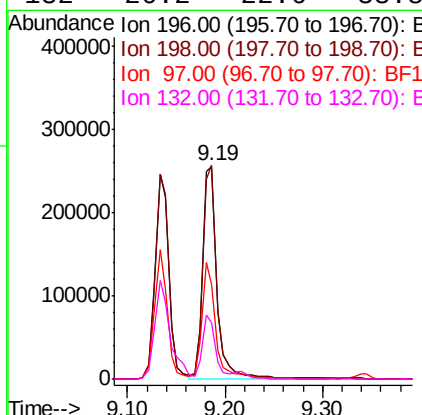
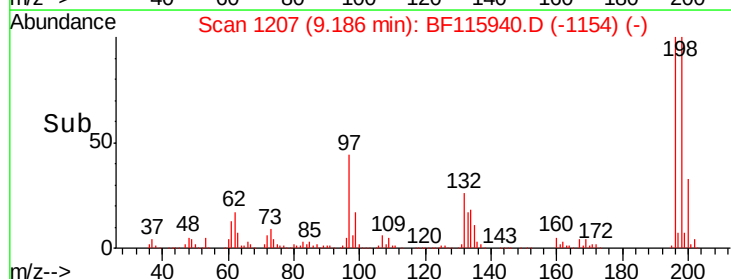
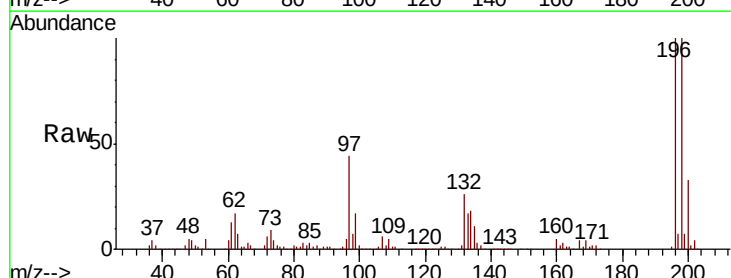
RT: 9.19 min Scan# 1207

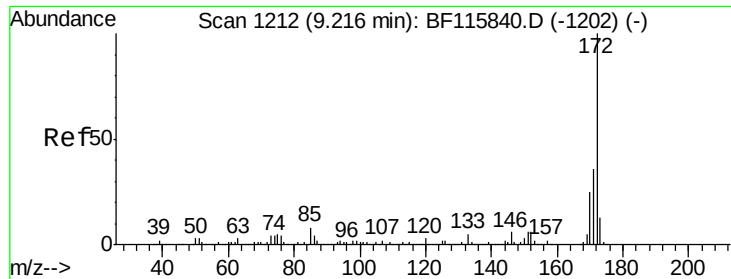
Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 258402 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 100.3 | 80.1  | 120.1  |
| 97        | 44.4  | 38.9  | 58.3   |
| 132       | 26.2  | 22.6  | 33.8   |





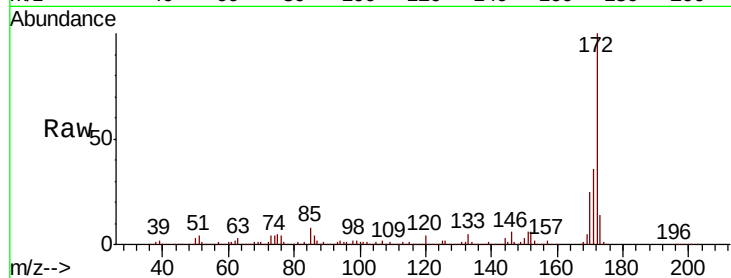
#45  
2-Fluorobiphenyl  
Concen: 83.947 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.1  | 43.7  |
| 170     | 25.1  | 20.1  | 30.1  |

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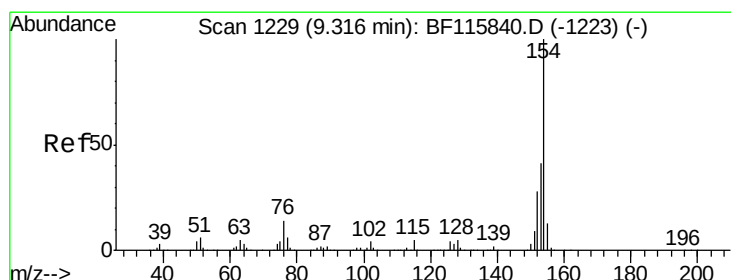
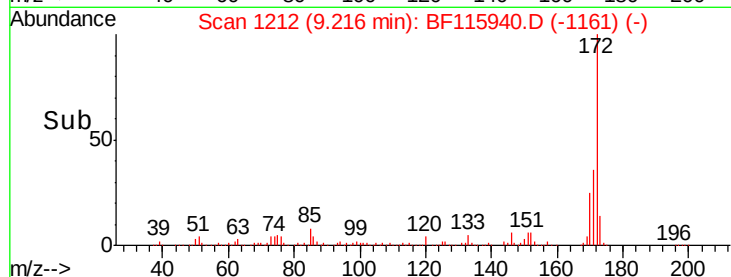
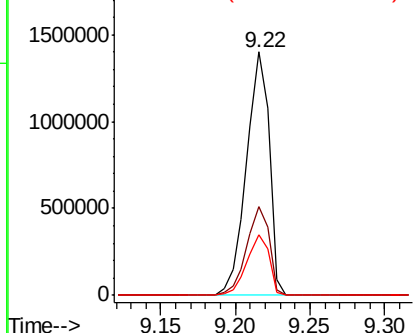


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 41.534 ng  
RT: 9.32 min Scan# 1229  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

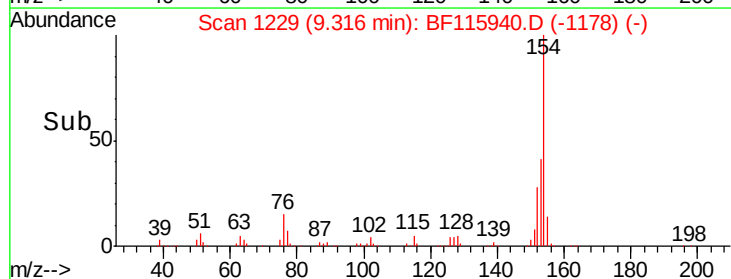
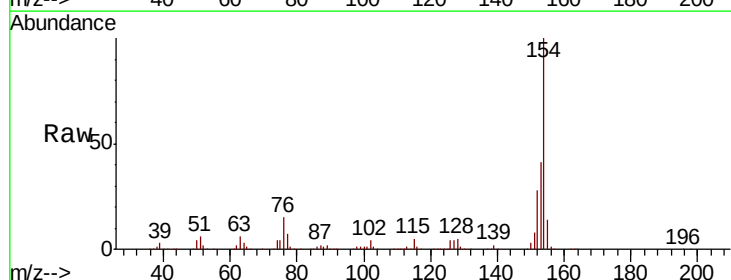
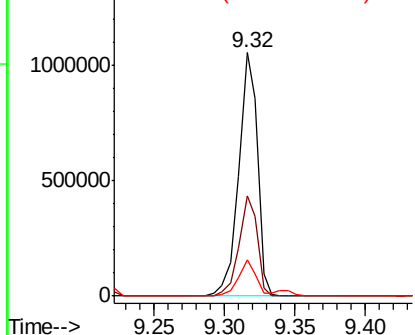
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.0  | 20.9  | 60.9  |
| 76      | 14.7  | 0.0   | 34.3  |

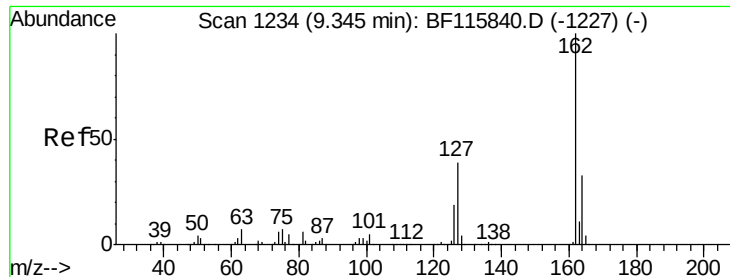
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





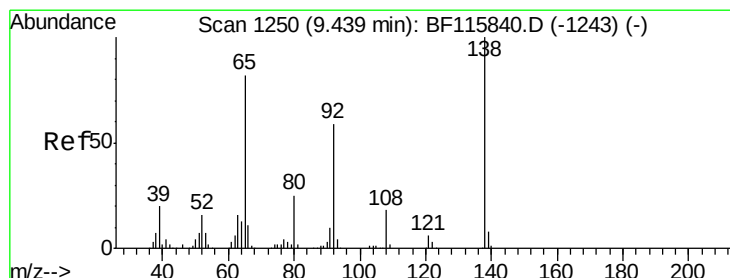
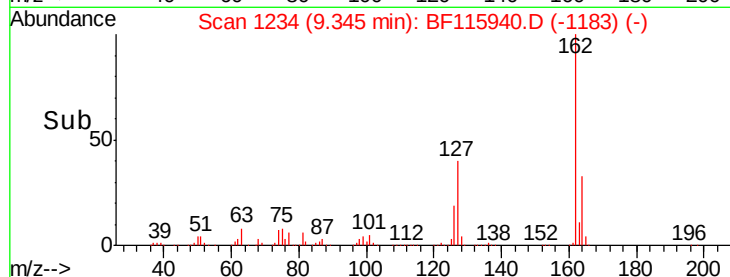
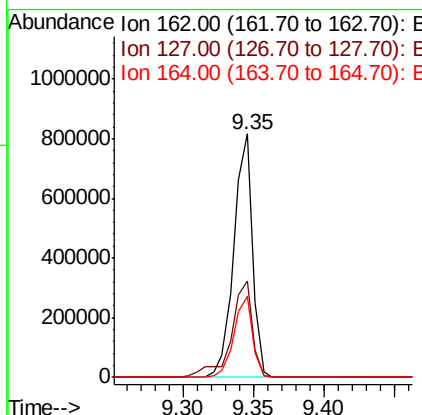
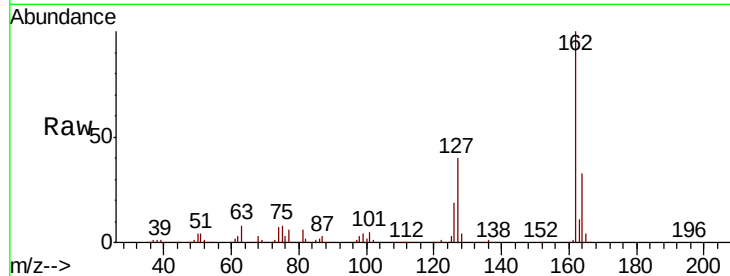
#47  
 2-Chloronaphthalene  
 Concen: 38.796 ng  
 RT: 9.35 min Scan# 1234  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB121939BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 752491 |       |       |
| 127     | 39.7  |        | 31.3  | 46.9  |
| 164     | 33.3  |        | 26.6  | 40.0  |

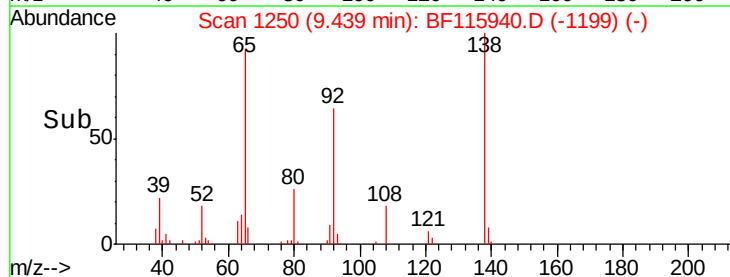
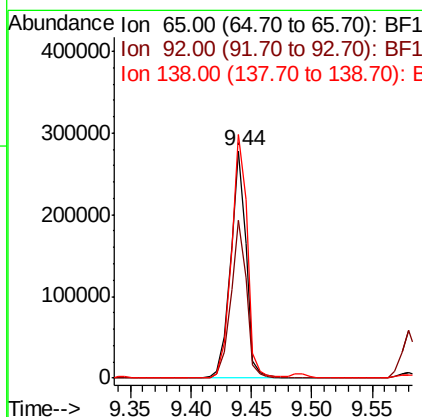
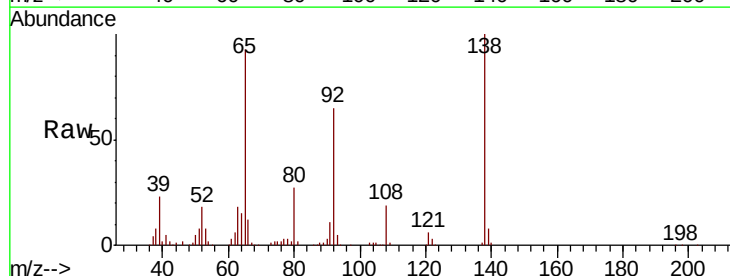
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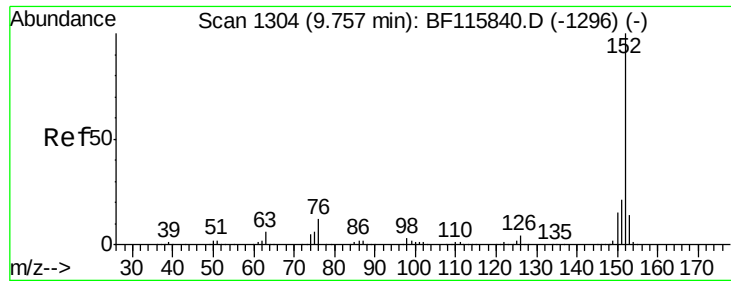
mohammad  
 8/8/2019 4:44:07 PM



#48  
 2-Nitroaniline  
 Concen: 38.669 ng  
 RT: 9.44 min Scan# 1250  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 247912 |       |       |
| 92      | 69.3  |        | 57.1  | 85.7  |
| 138     | 107.3 |        | 97.1  | 145.7 |





#49

Acenaphthylene

Concen: 40.929 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB121939BS

Tot Ion:152 Resp: 1158185

Ion Ratio Lower Upper

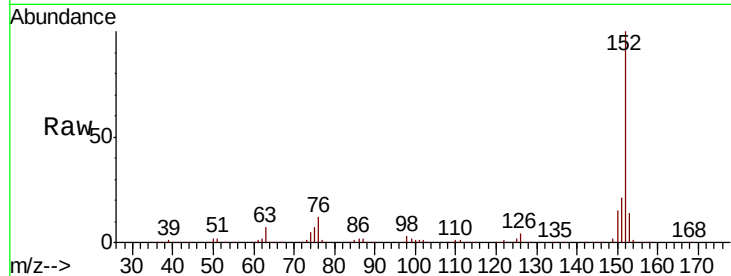
152 100

151 21.1 16.8 25.2

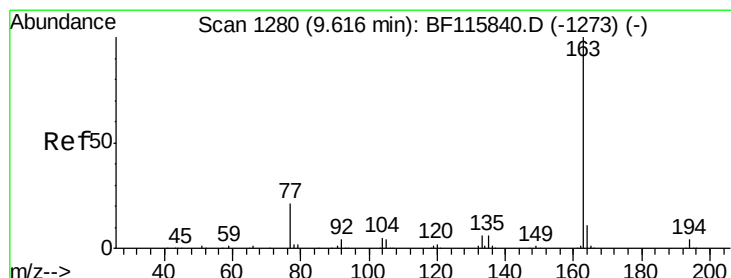
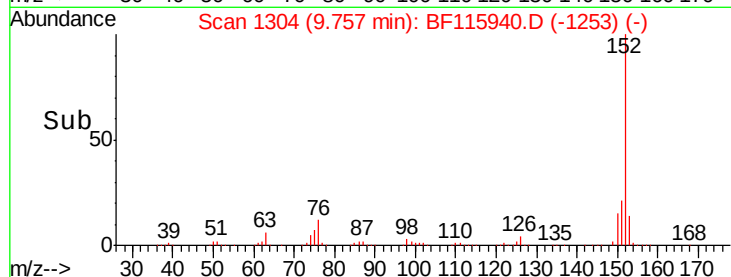
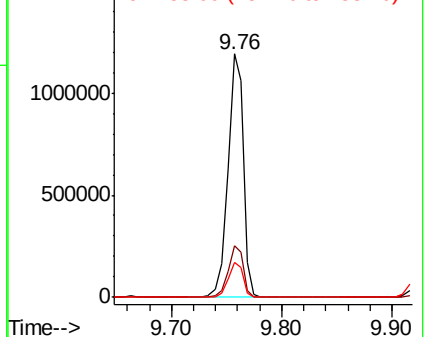
153 14.3 11.6 17.4

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.134 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

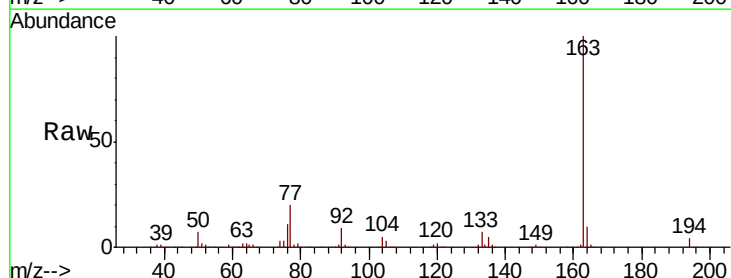
Tgt Ion:163 Resp: 924516

Ion Ratio Lower Upper

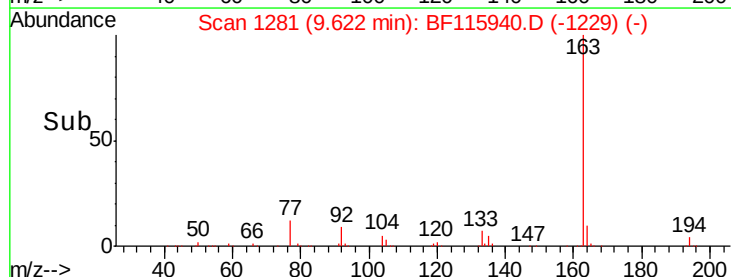
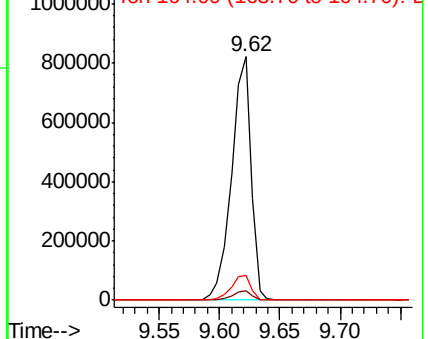
163 100

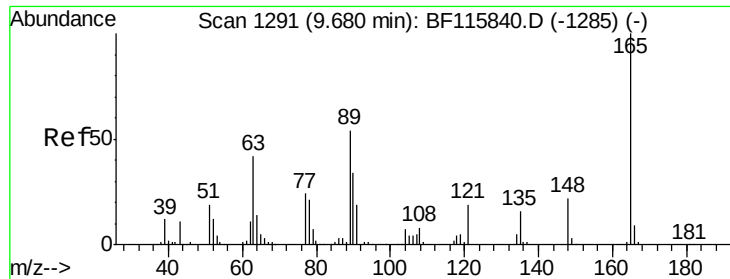
194 3.8 3.0 4.6

164 10.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





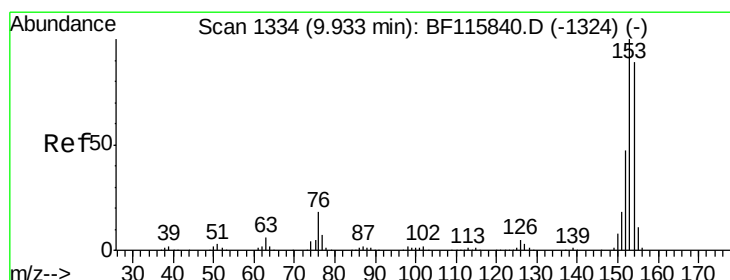
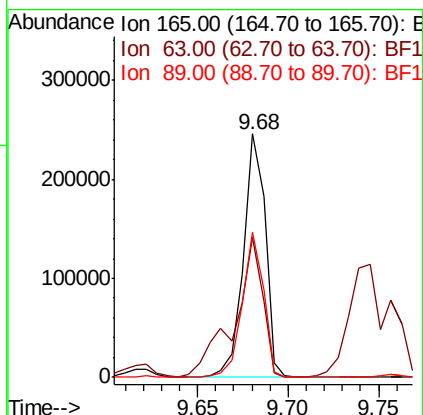
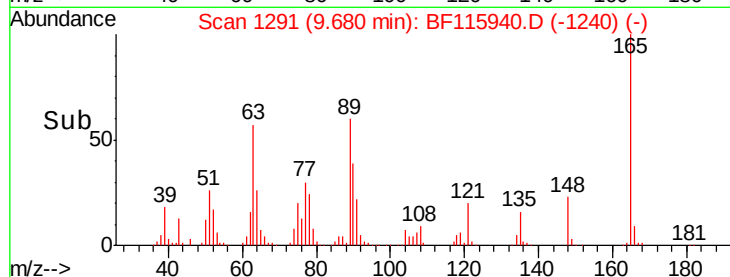
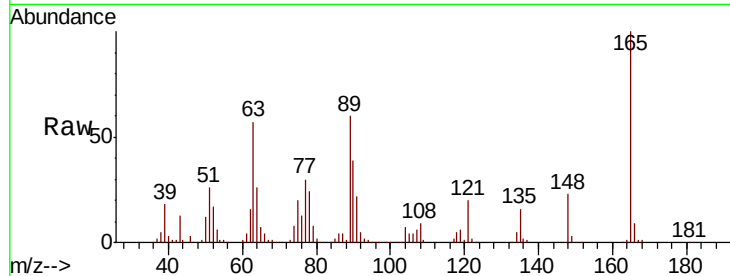
#51  
2,6-Dinitrotoluene  
Concen: 42.042 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 205350 |       |       |
| 63      | 57.5 | 39.4  | 59.2   |       |       |
| 89      | 59.5 | 43.0  | 64.6   |       |       |

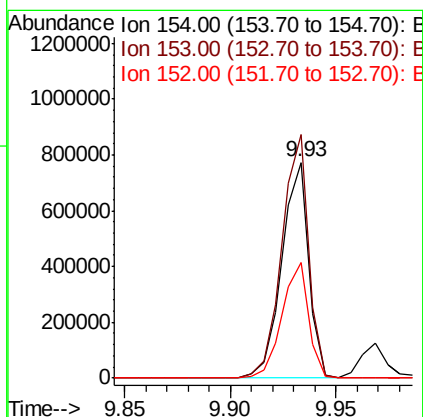
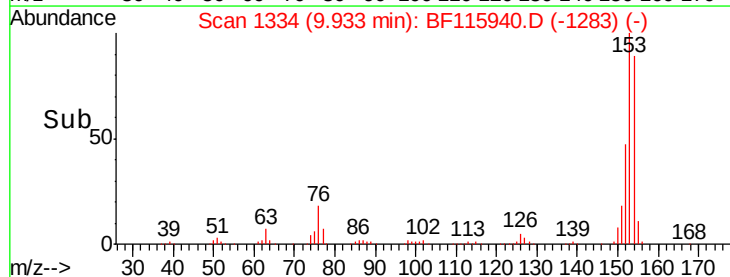
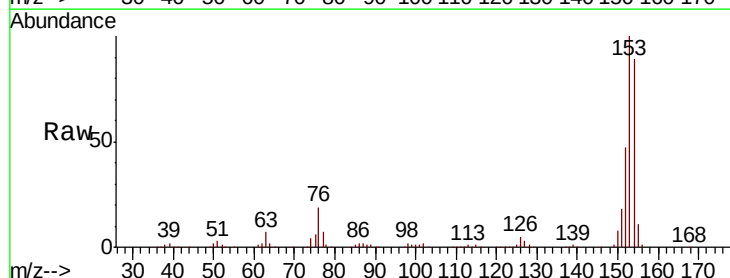
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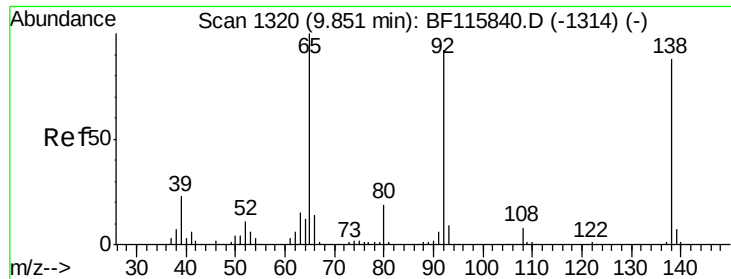
mohammad  
8/8/2019 4:44:07 PM



#52  
Acenaphthene  
Concen: 39.542 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 154     | 100   |       | 686447 |       |       |
| 153     | 112.8 | 90.1  | 135.1  |       |       |
| 152     | 53.5  | 42.6  | 63.8   |       |       |





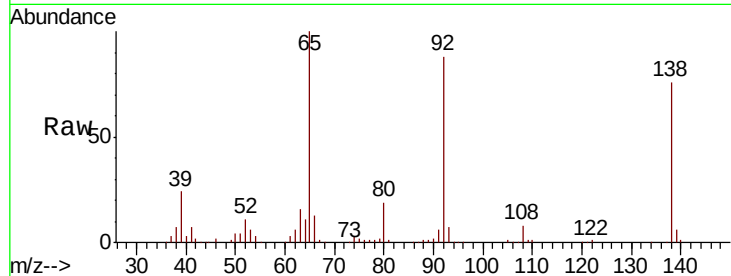
#53  
3-Nitroaniline  
Concen: 29.317 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.9   | 7.4   | 11.2  |
| 92      | 115.0 | 83.9  | 125.9 |

Manual Integrations  
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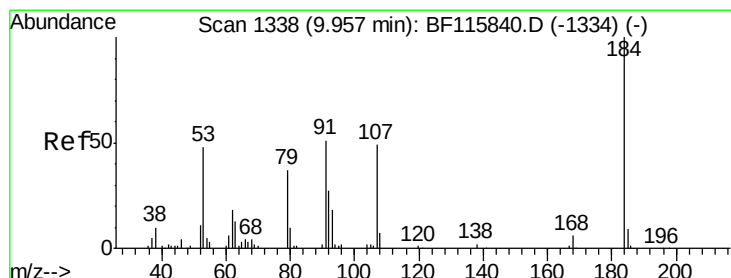
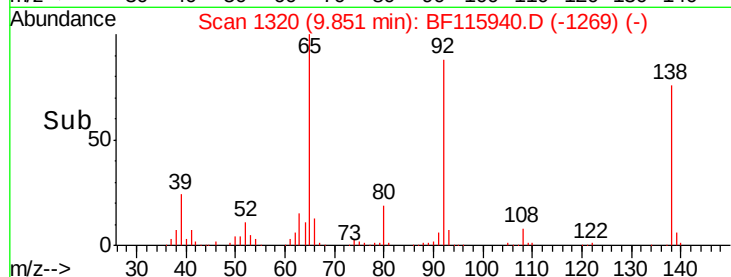
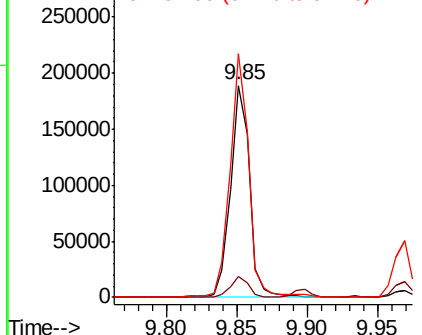


Abundance

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: 71.832 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

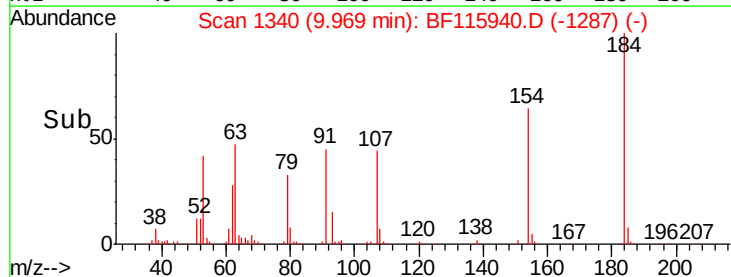
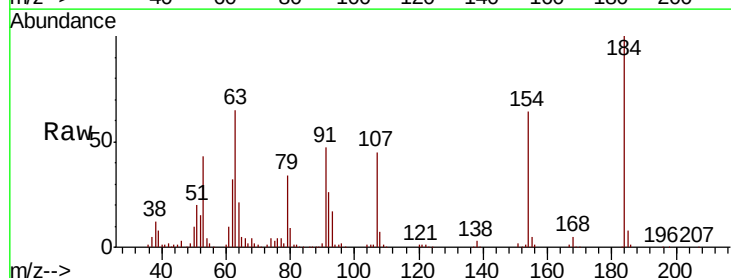
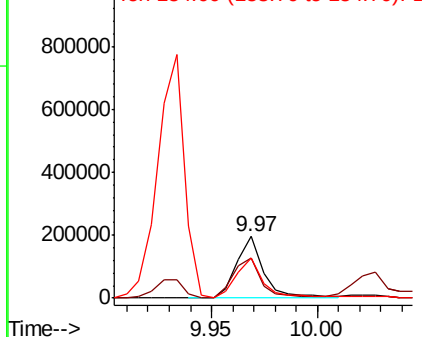
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 64.7  | 56.7  | 85.1  |
| 154     | 64.4  | 51.9  | 77.9  |

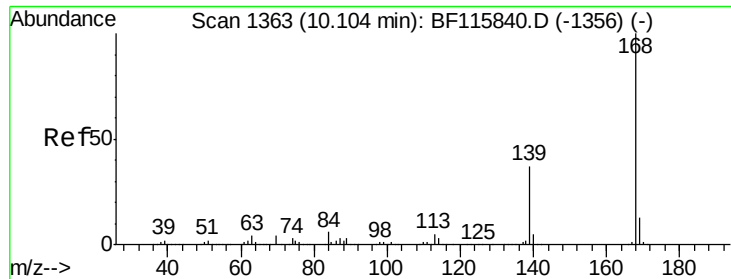
Abundance

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: 41.108 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB121939BS

Tot Ion:168 Resp: 1037811

Ion Ratio Lower Upper

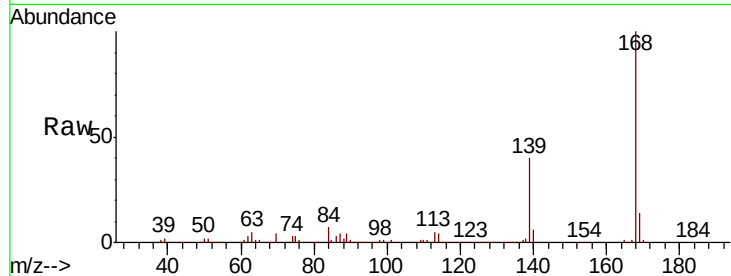
168 100

139 39.6 30.2 45.2

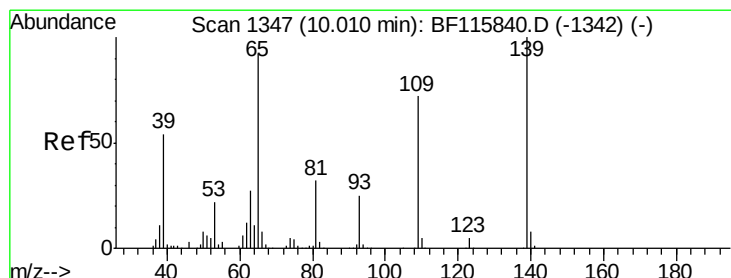
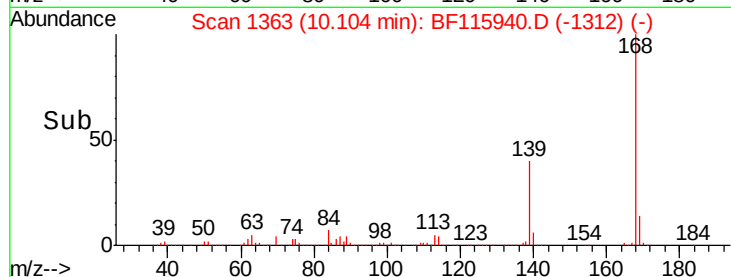
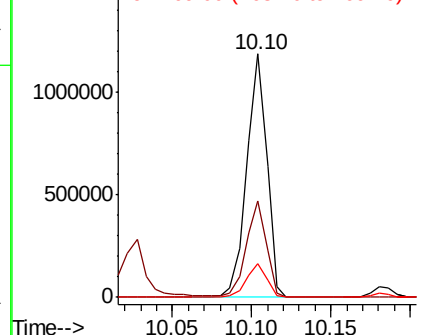
169 13.8 10.8 16.2

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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: 77.216 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.02 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

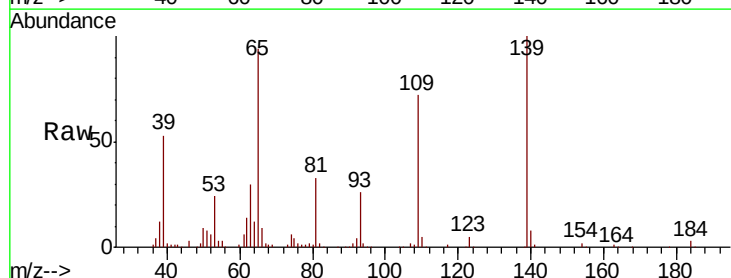
Tgt Ion:139 Resp: 298532

Ion Ratio Lower Upper

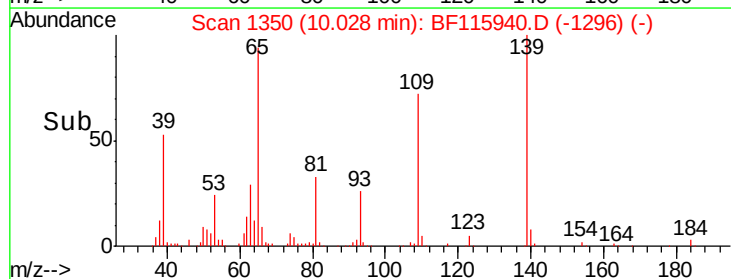
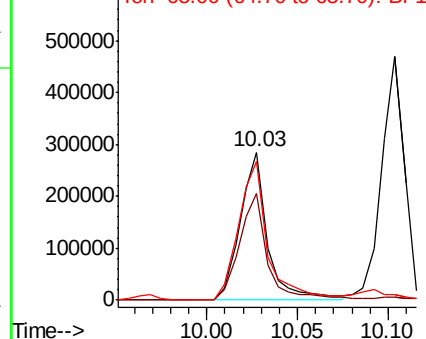
139 100

109 72.0 52.0 92.0

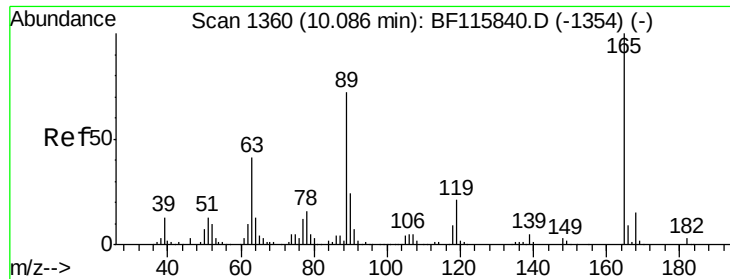
65 93.6 72.6 112.6



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: 41.693 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB121939BS

Tot Ion:165 Resp: 271136

Ion Ratio Lower Upper

165 100

63 45.6 33.2 49.8

89 75.2 57.3 85.9

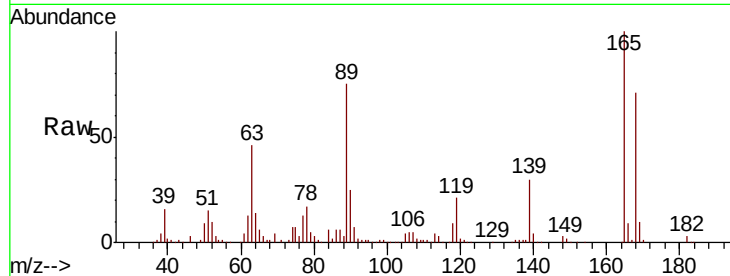
182 2.5 2.1 3.1

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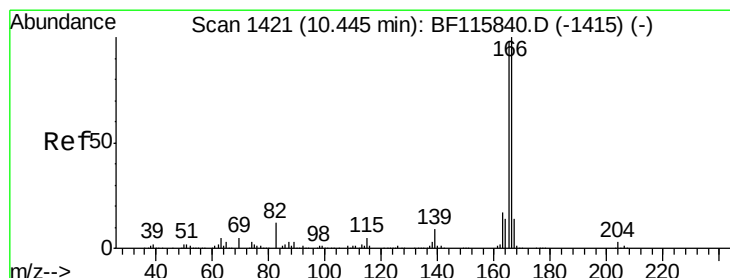
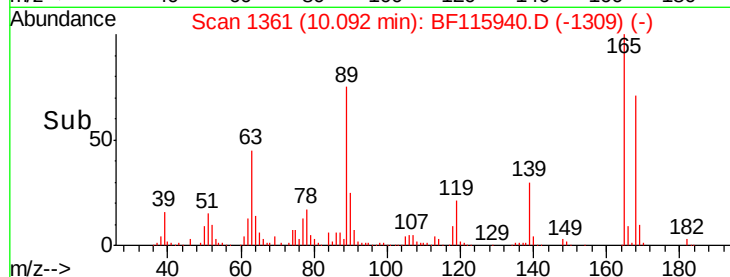
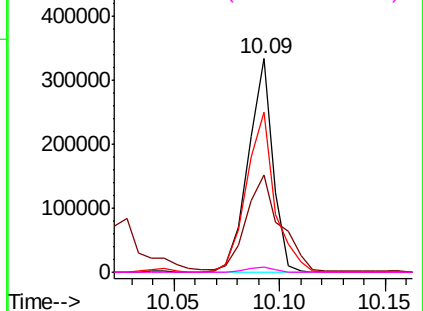


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 41.887 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Tgt Ion:166 Resp: 813603

Ion Ratio Lower Upper

166 100

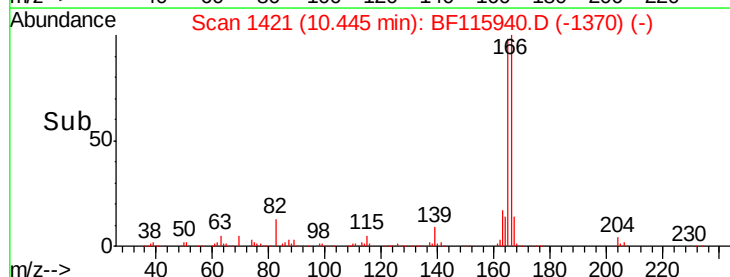
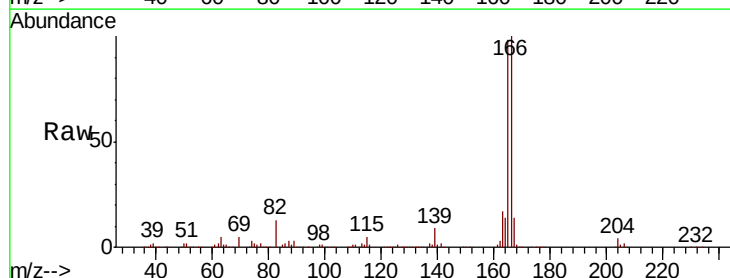
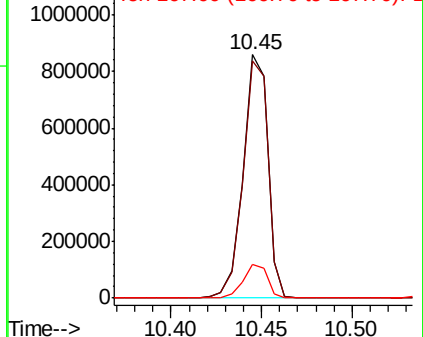
165 97.5 78.6 118.0

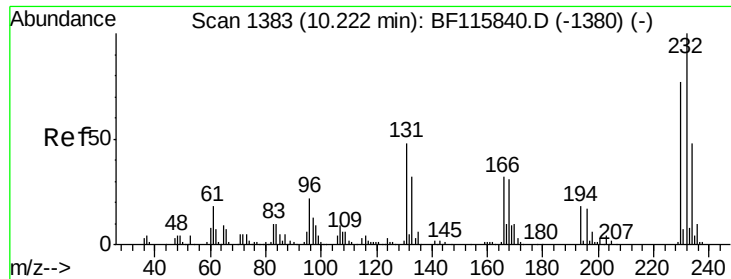
167 13.8 10.9 16.3

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





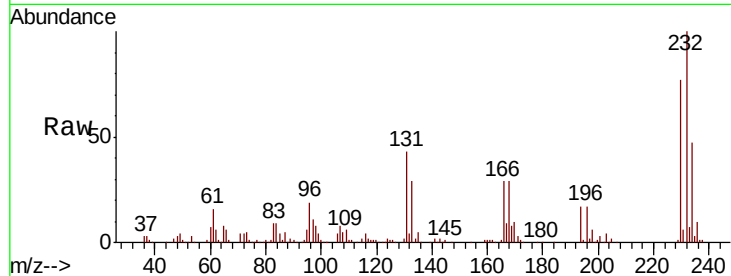
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.625 ng  
 RT: 10.23 min Scan# 1384  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

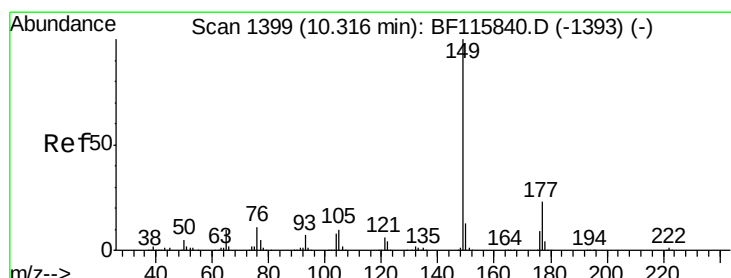
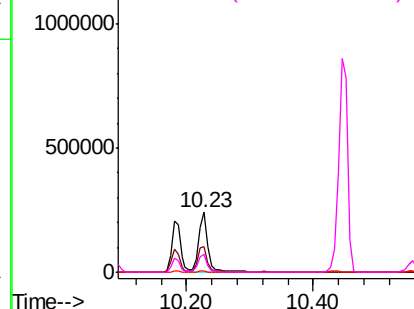
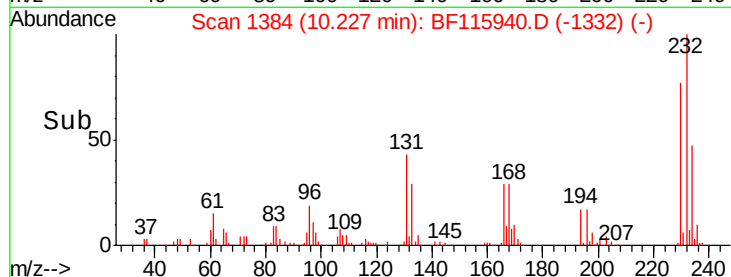
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 235734 |       |       |
| 131     | 45.2  |        | 37.6  | 56.4  |
| 130     | 2.3   |        | 1.8   | 2.8   |
| 166     | 29.0  |        | 24.6  | 37.0  |

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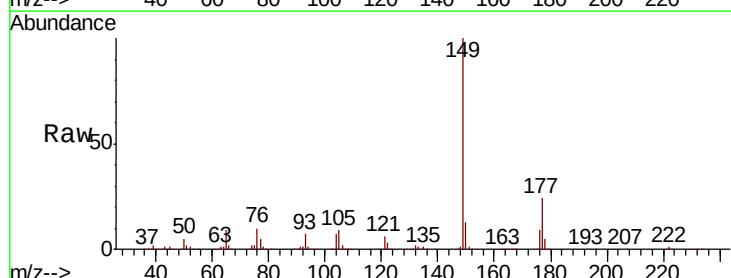


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

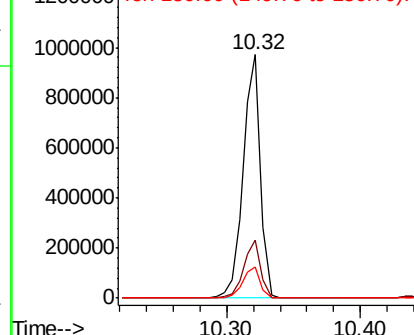
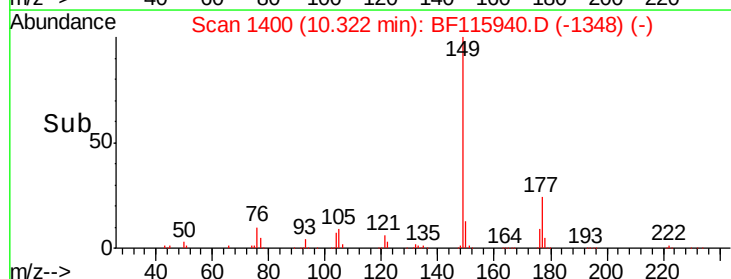


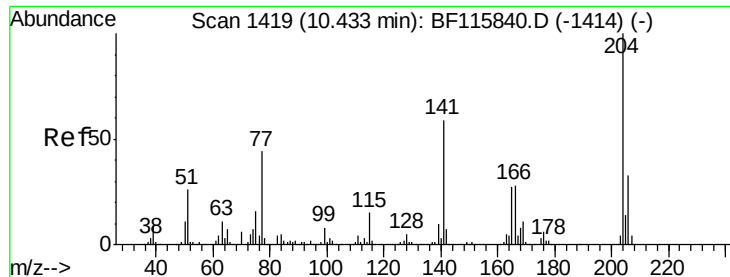
#60  
 Diethylphthalate  
 Concen: 41.659 ng  
 RT: 10.32 min Scan# 1400  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 874172 |       |       |
| 177     | 23.7  |        | 18.4  | 27.6  |
| 150     | 12.6  |        | 10.1  | 15.1  |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E





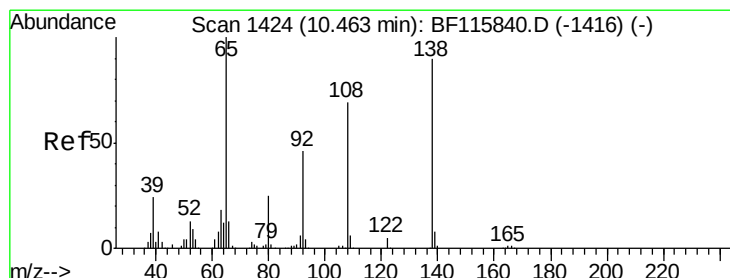
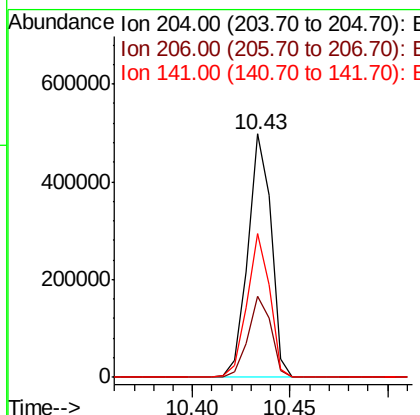
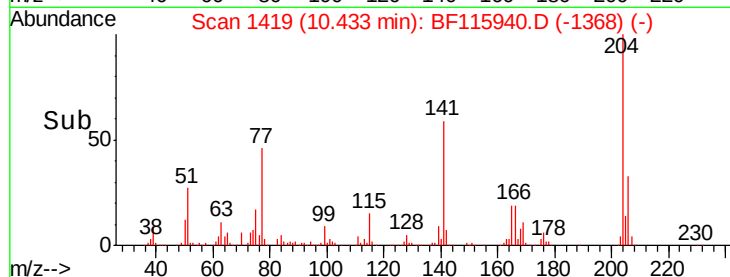
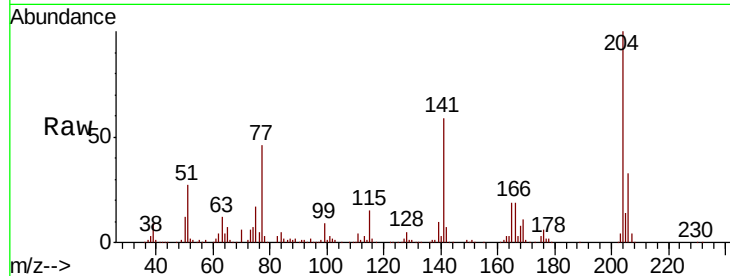
#61  
4-Chlorophenyl-phenylether  
Concen: 41.885 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.4  | 39.6  |
| 141     | 59.3  | 47.0  | 70.4  |

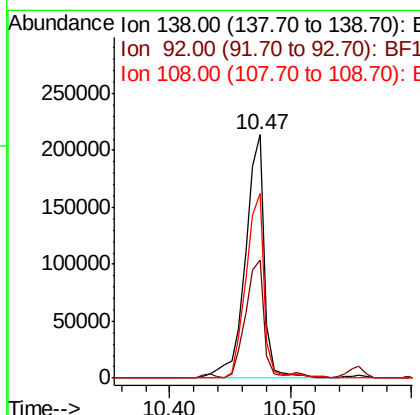
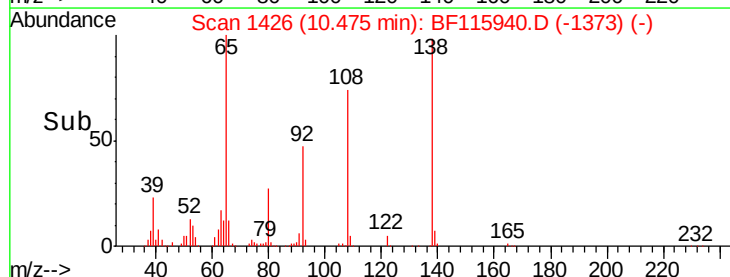
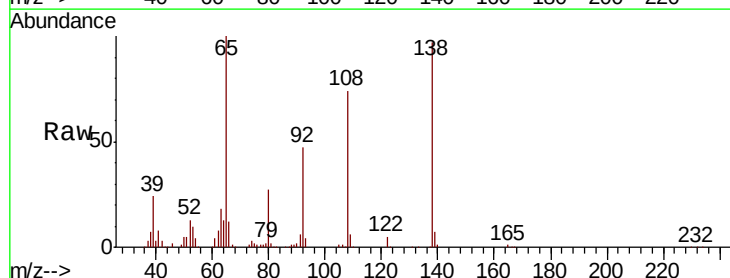
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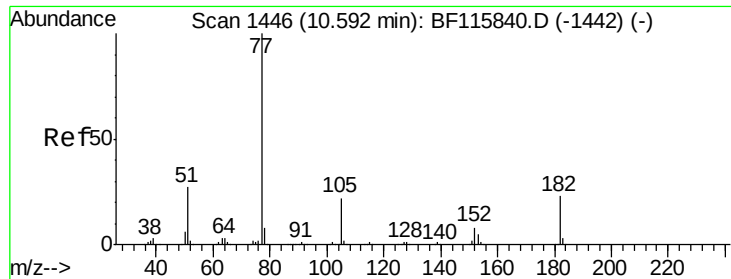
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#62  
4-Nitroaniline  
Concen: 37.513 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.5  | 31.0  | 71.0  |
| 108     | 76.0  | 56.7  | 96.7  |





#63

Azobenzene

Concen: 42.021 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

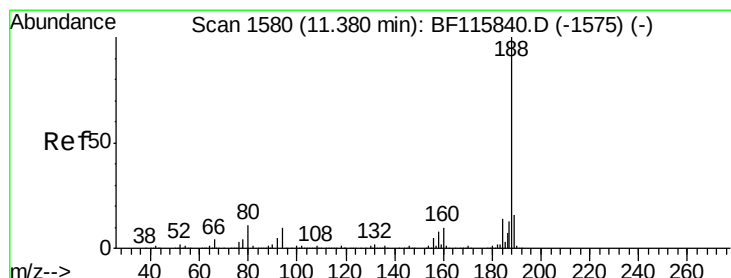
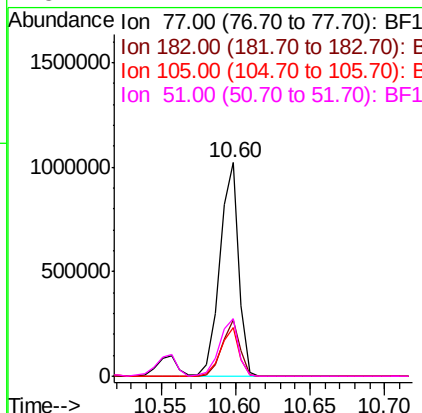
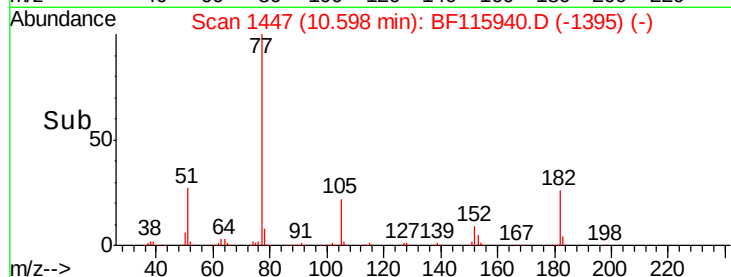
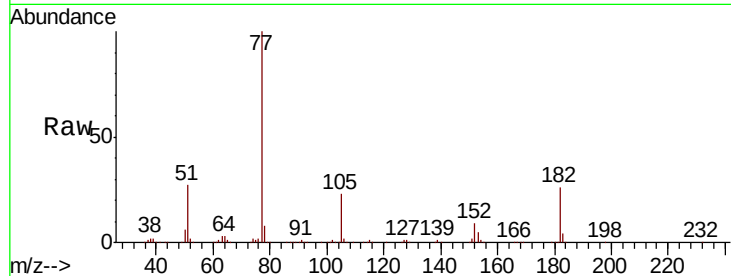
ClientSampleId :

PB121939BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 906954 |       |       |
| 182     | 26.1 | 2.6   | 42.6   |       |       |
| 105     | 22.5 | 1.6   | 41.6   |       |       |
| 51      | 27.2 | 7.4   | 47.4   |       |       |

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#64

Phenanthrene-d10

Concen: 20.000 ng

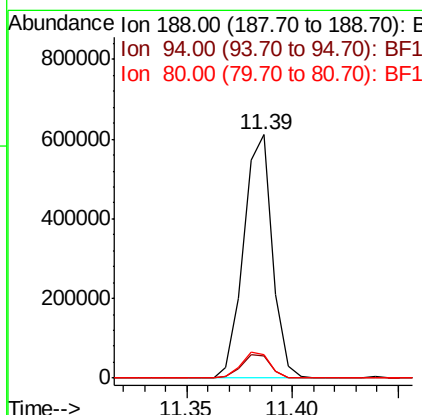
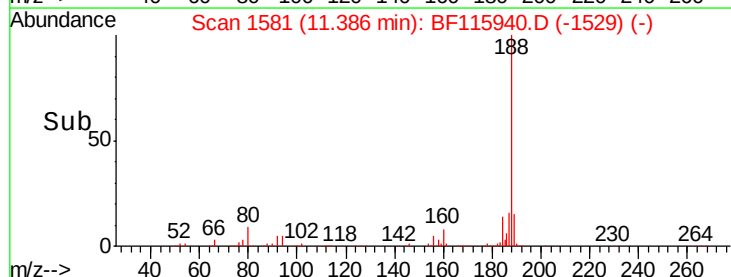
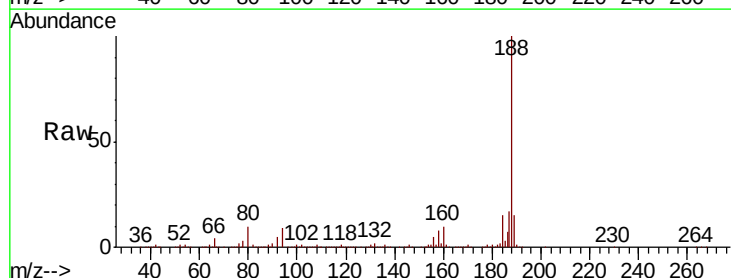
RT: 11.39 min Scan# 1581

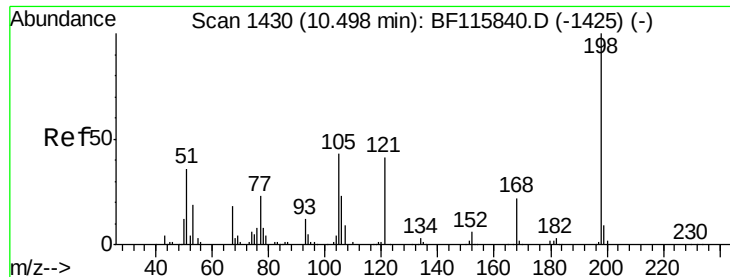
Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 100 |       | 577770 |       |       |
| 94      | 9.1 | 8.0   | 12.0   |       |       |
| 80      | 9.8 | 8.6   | 12.8   |       |       |





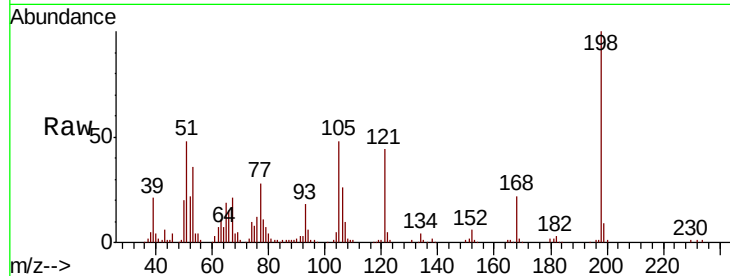
#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.677 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

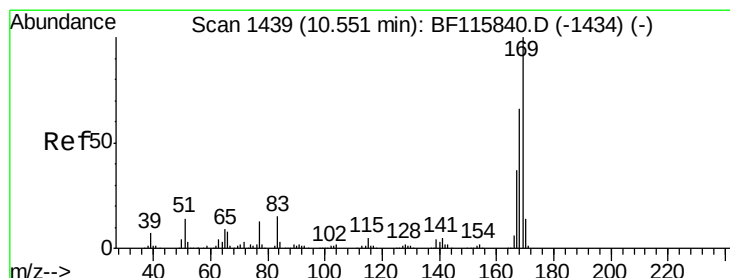
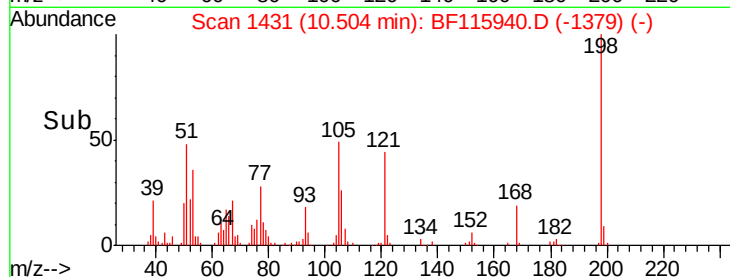
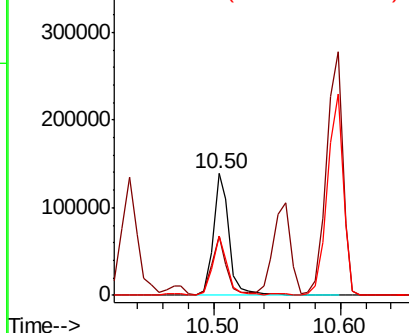
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 124544 |       |       |
| 51      | 48.2  | 21.1   | 61.1  |       |
| 105     | 48.2  | 24.5   | 64.5  |       |

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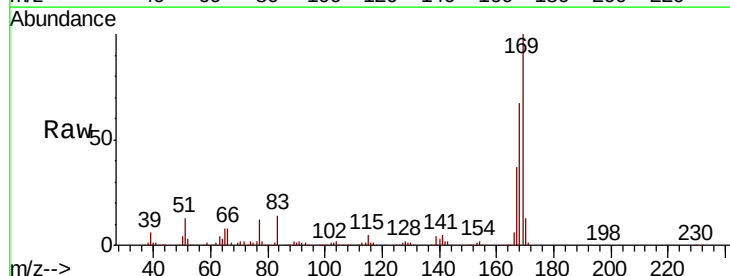


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

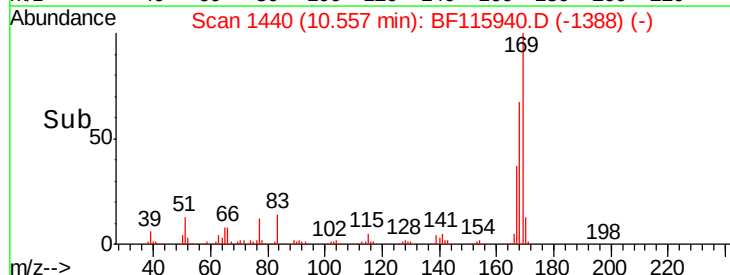
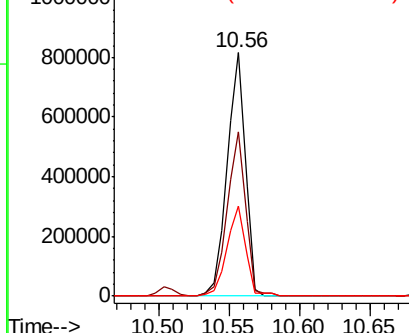


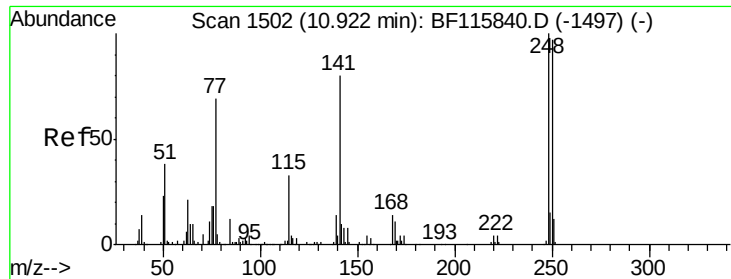
#66  
n-Nitrosodiphenylamine  
Concen: 42.325 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 736036 |       |       |
| 168     | 67.4  | 53.0   | 79.6  |       |
| 167     | 37.0  | 29.9   | 44.9  |       |



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





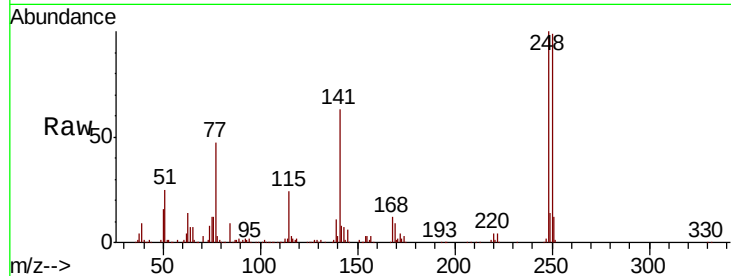
#67  
4-Bromophenyl-phenylether  
Concen: 41.070 ng  
RT: 10.93 min Scan# 1503  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.9  | 77.8  | 116.6 |
| 141     | 63.1  | 64.3  | 96.5# |

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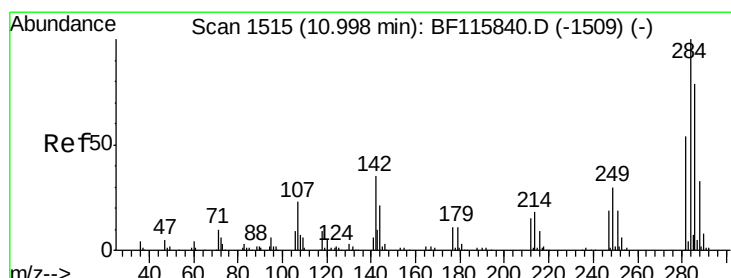
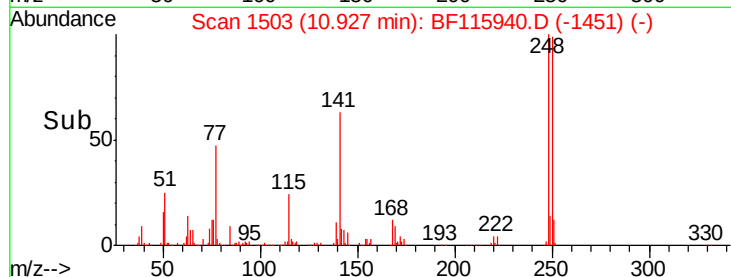
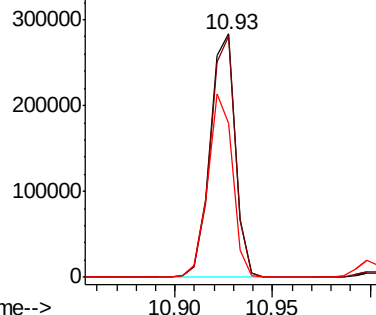


Abundance

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: 39.880 ng  
RT: 11.00 min Scan# 1516  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

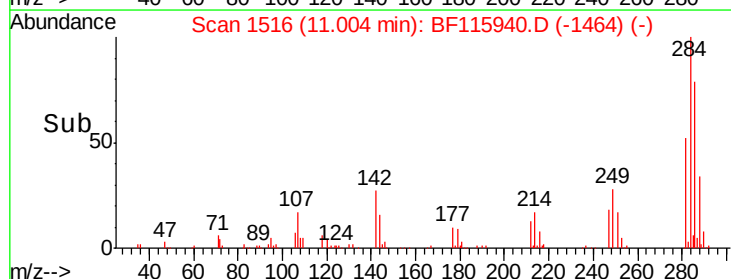
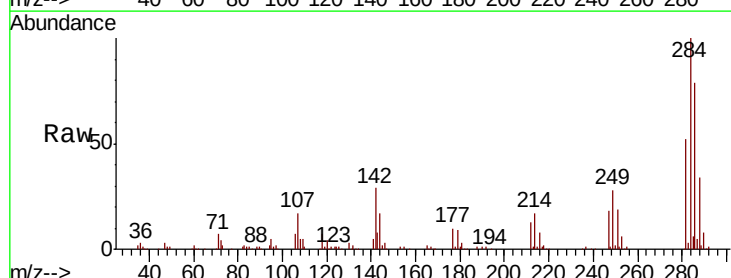
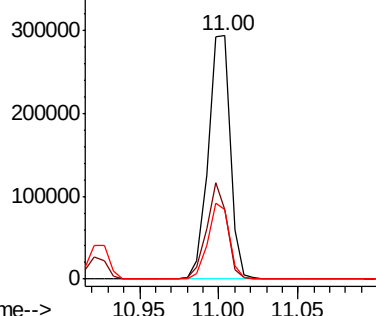
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 28.8  | 28.2  | 42.2  |
| 249     | 28.4  | 24.0  | 36.0  |

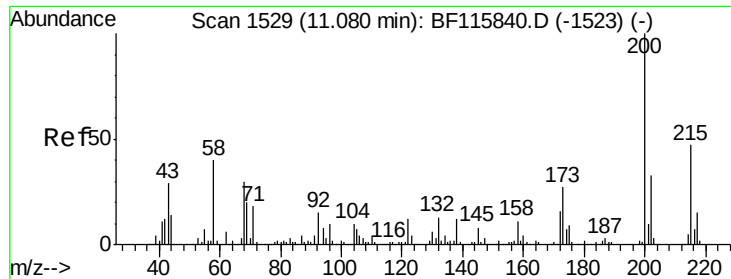
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





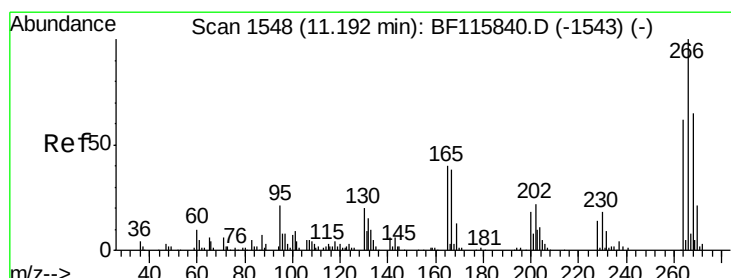
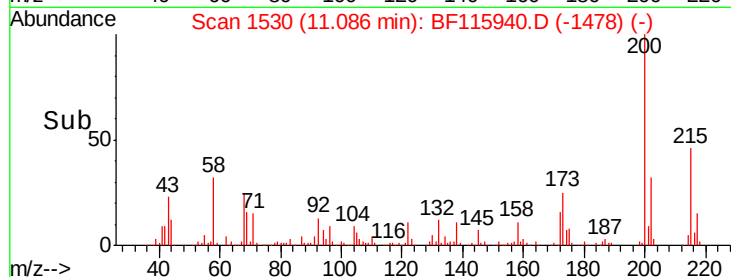
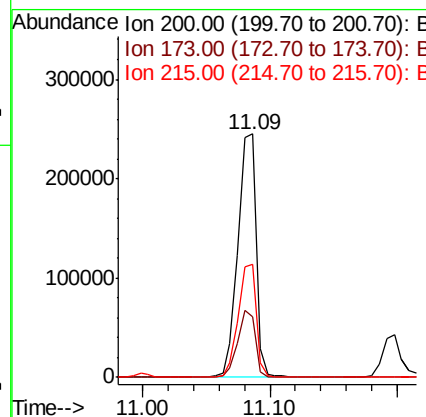
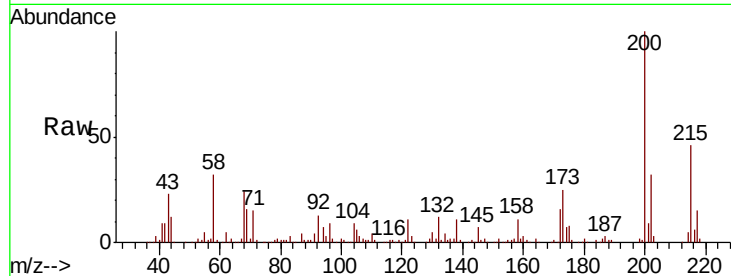
#69  
 Atrazine  
 Concen: 42.331 ng  
 RT: 11.09 min Scan# 1530  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 242181 |       |       |
| 173     | 24.9  | 7.3    | 47.3  |       |
| 215     | 46.2  | 26.9   | 66.9  |       |

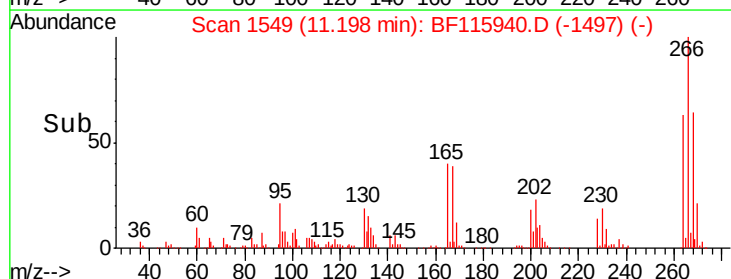
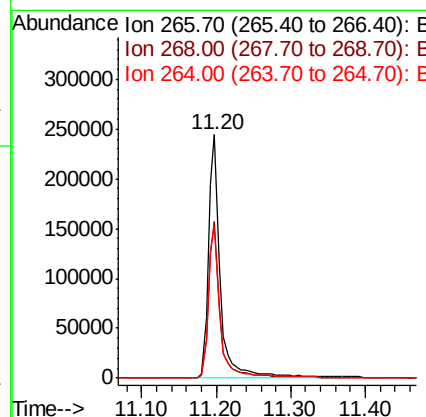
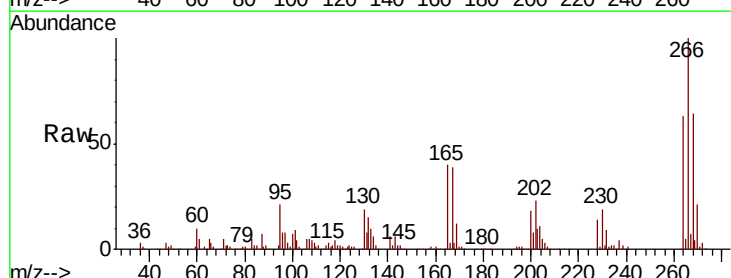
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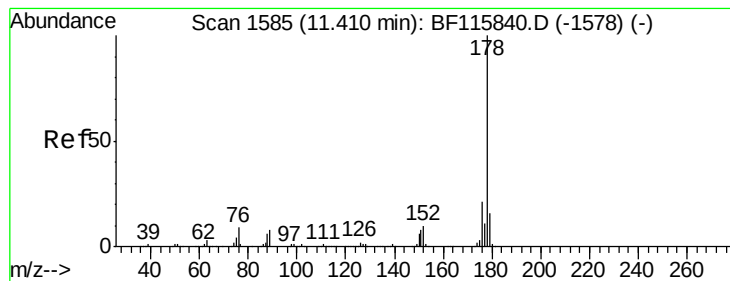
mohammad  
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#70  
 Pentachlorophenol  
 Concen: 79.849 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 277256 |       |       |
| 268     | 64.2  | 51.6   | 77.4  |       |
| 264     | 62.9  | 49.4   | 74.0  |       |





#71

Phenanthrene

Concen: 41.697 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB121939BS

Tot Ion:178 Resp: 1231610

Ion Ratio Lower Upper

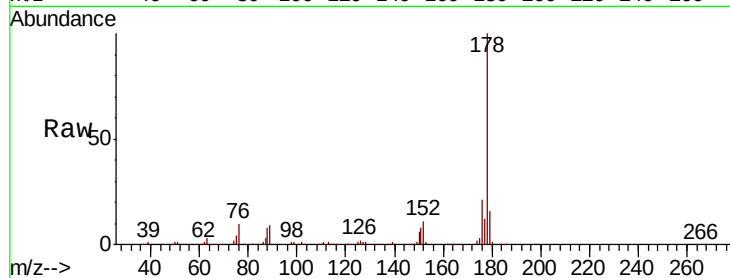
178 100

176 21.0 16.5 24.7

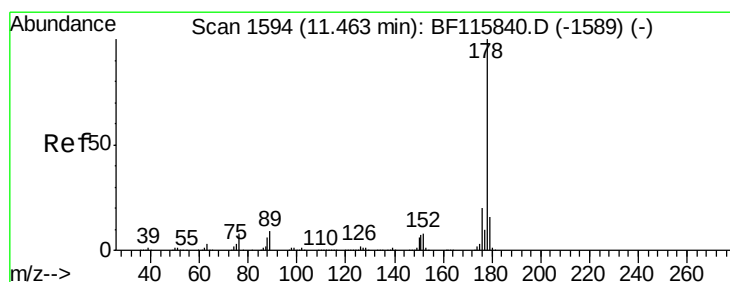
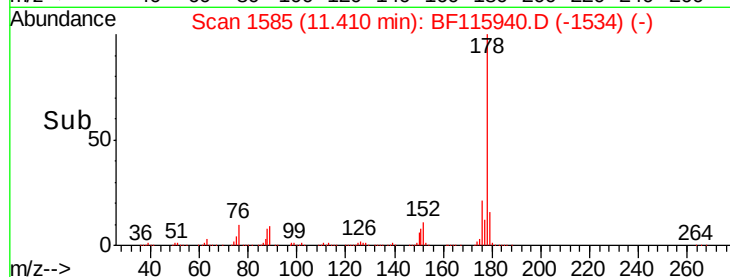
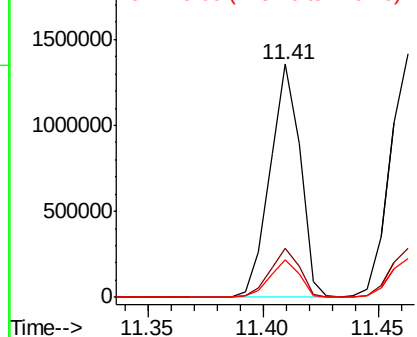
179 16.2 12.6 18.8

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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.143 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

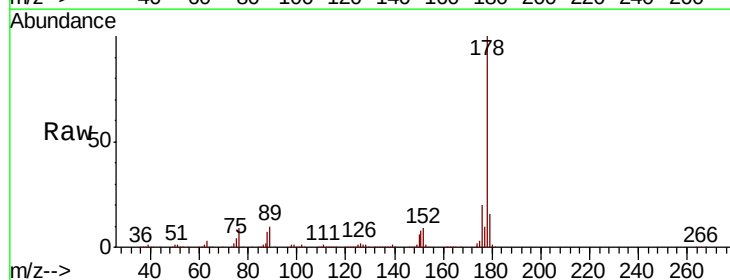
Tgt Ion:178 Resp: 1259778

Ion Ratio Lower Upper

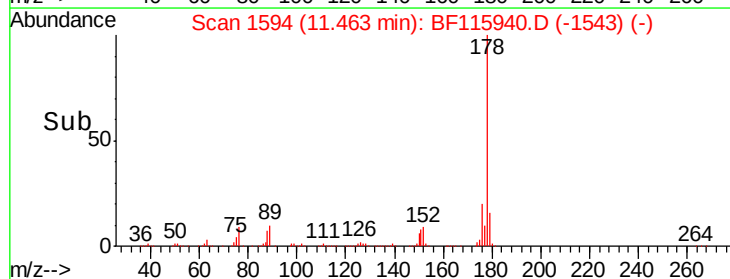
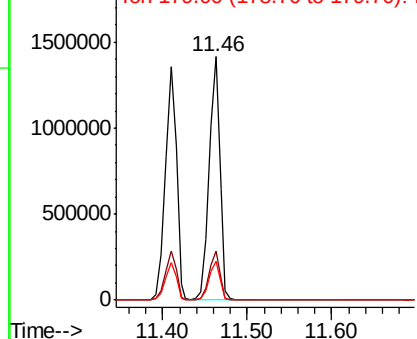
178 100

176 20.1 15.7 23.5

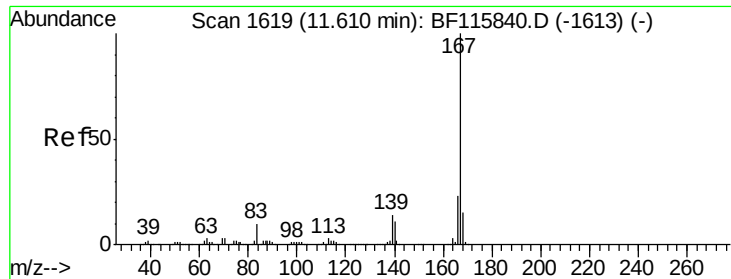
179 16.0 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E







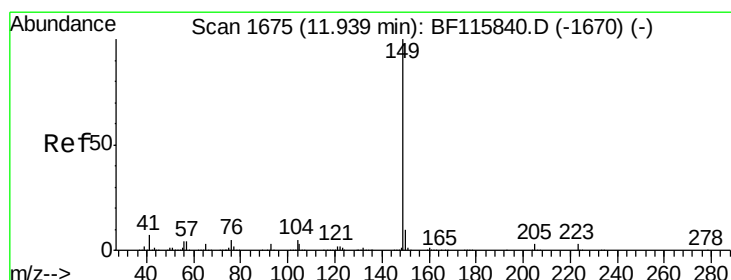
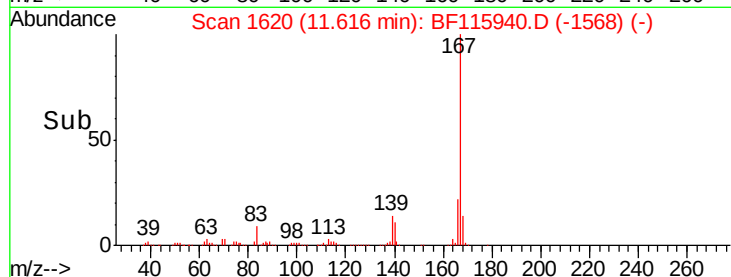
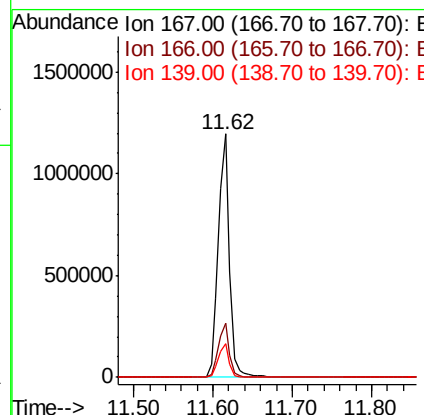
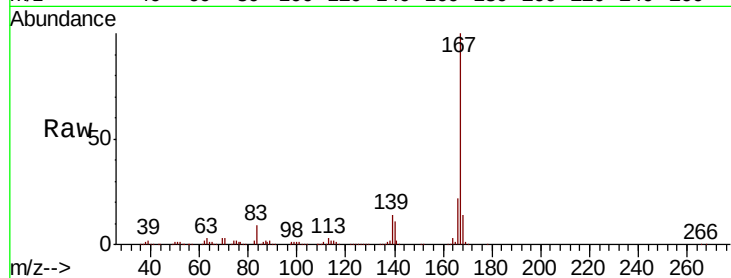
#73  
 Carbazole  
 Concen: 42.965 ng  
 RT: 11.62 min Scan# 1620  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.5  | 18.0  | 27.0  |
| 139     | 13.9  | 11.4  | 17.2  |

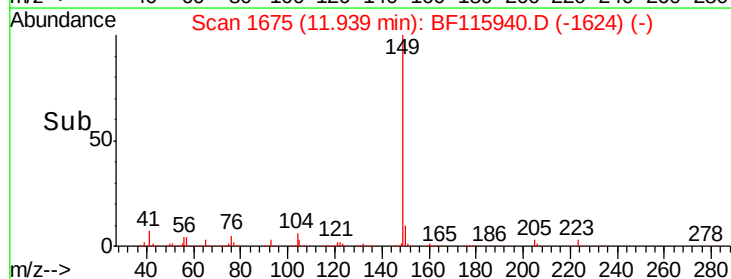
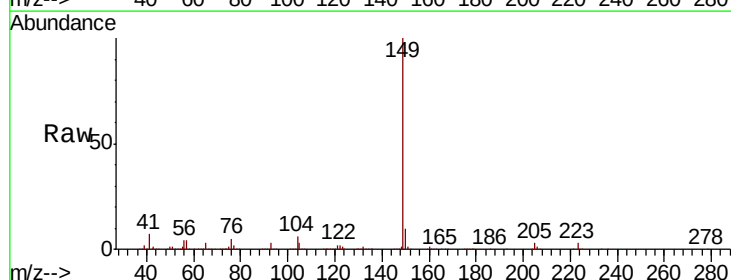
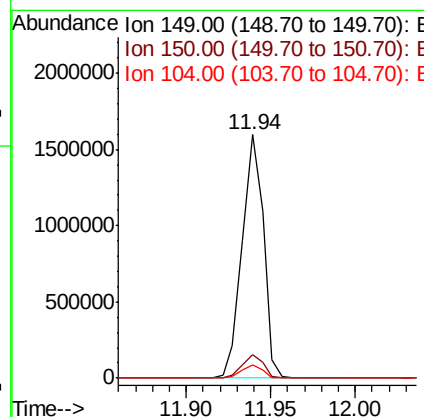
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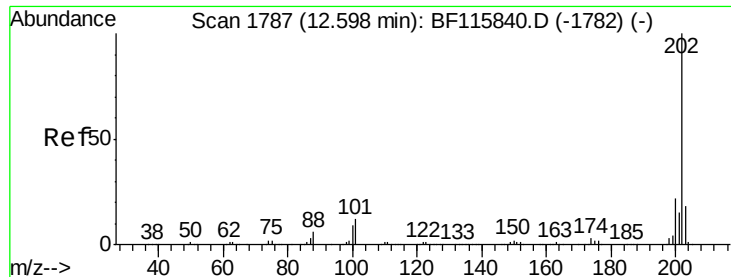
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#74  
 Di-n-butylphthalate  
 Concen: 44.246 ng  
 RT: 11.94 min Scan# 1675  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.7   | 7.7   | 11.5  |
| 104     | 5.5   | 4.3   | 6.5   |





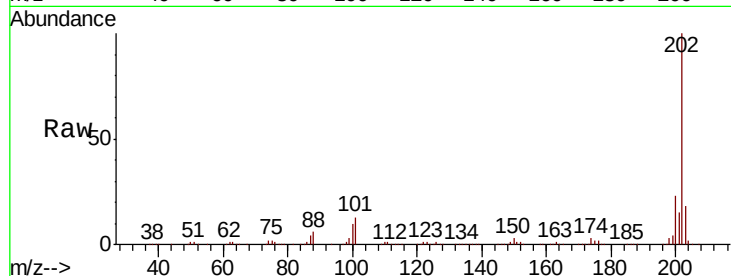
#75  
 Fluoranthene  
 Concen: 42.566 ng  
 RT: 12.60 min Scan# 1787  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1316232 |       |       |
| 101     | 13.0  | 0.0     | 31.5  |       |
| 203     | 18.2  | 0.0     | 37.9  |       |

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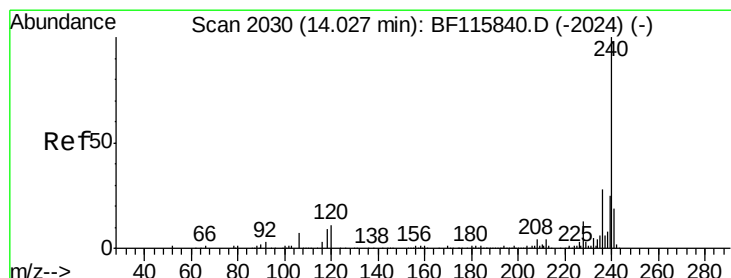
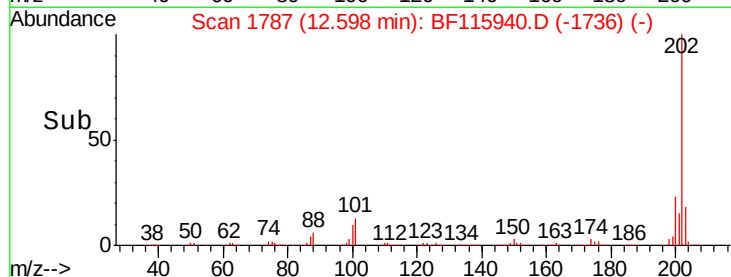
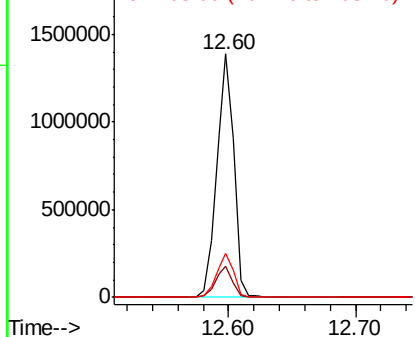


Abundance

Ion 202.00 (201.70 to 202.70): E

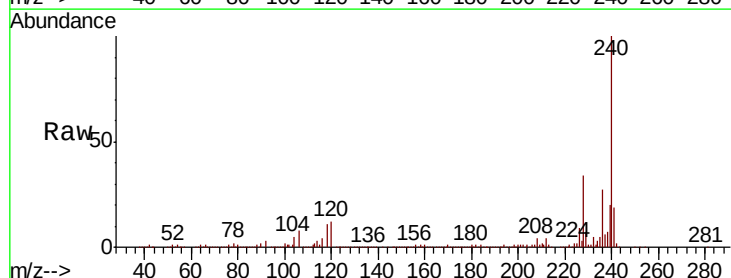
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 421272 |       |       |
| 120     | 11.9  | 8.5    | 12.7  |       |
| 236     | 27.0  | 22.2   | 33.2  |       |

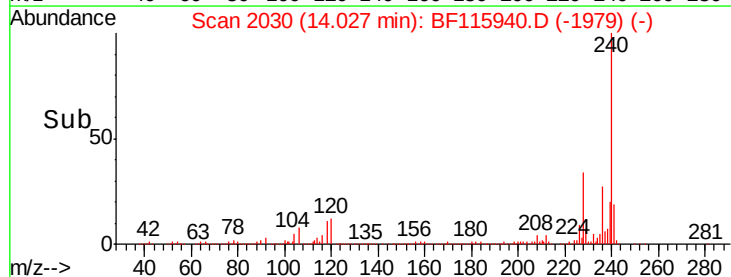
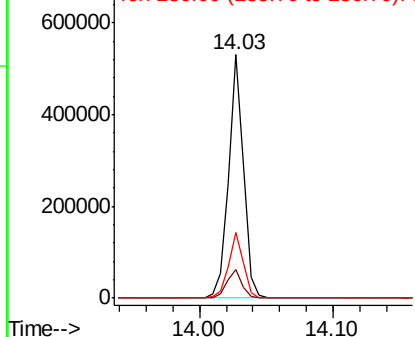


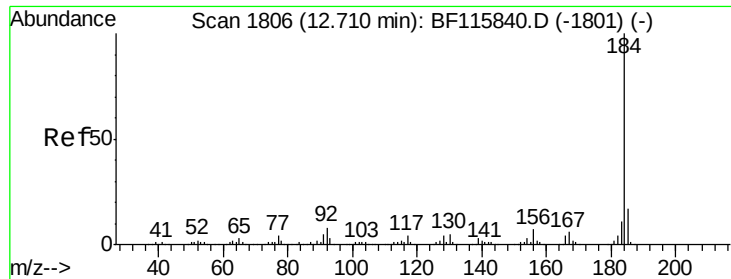
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.081 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

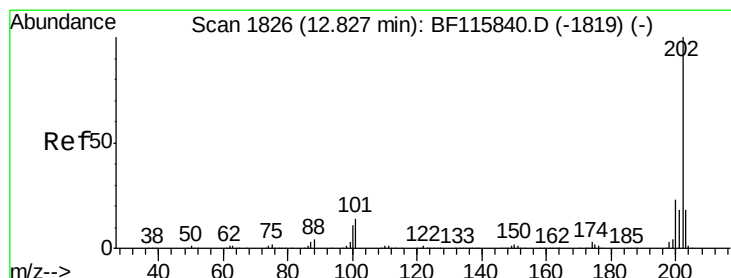
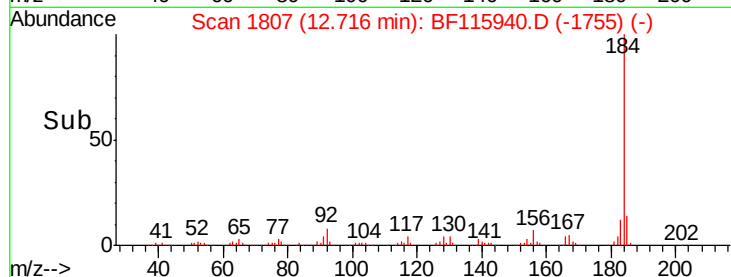
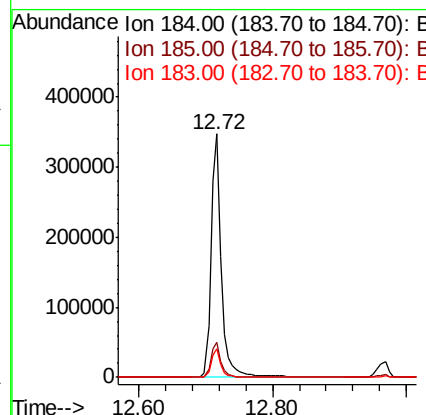
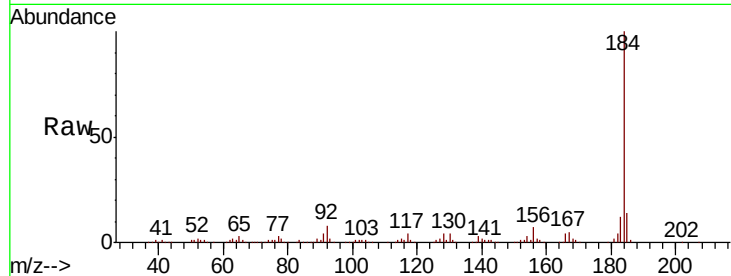
ClientSampleId :

PB121939BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 371190 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 13.4  | 20.2   |
| 183       | 11.5  | 9.1   | 13.7   |

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#78

Pyrene

Concen: 41.712 ng

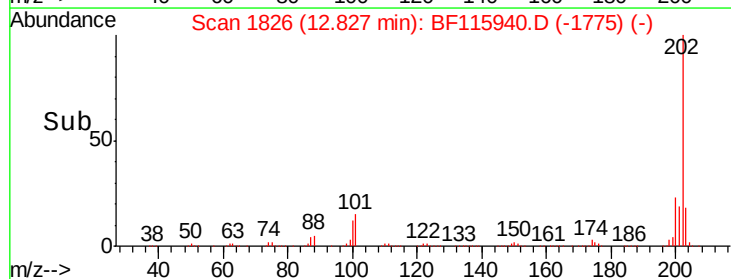
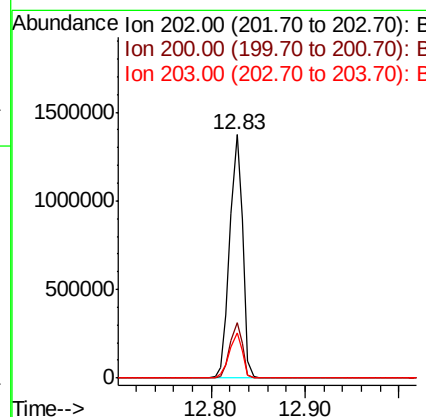
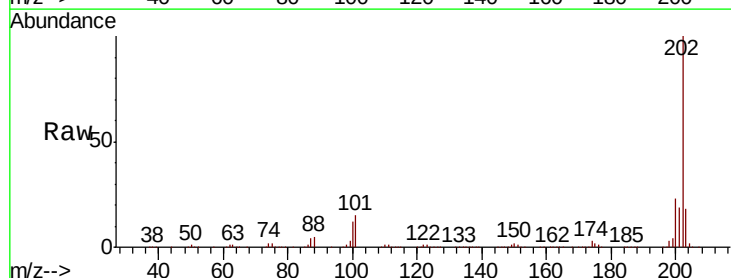
RT: 12.83 min Scan# 1826

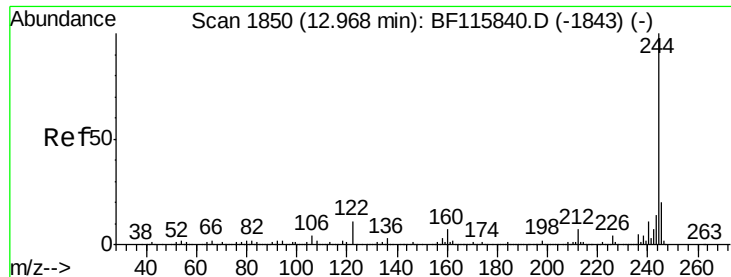
Delta R.T. 0.00 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1324606 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 23.0  | 18.2  | 27.2    |
| 203       | 18.5  | 14.3  | 21.5    |





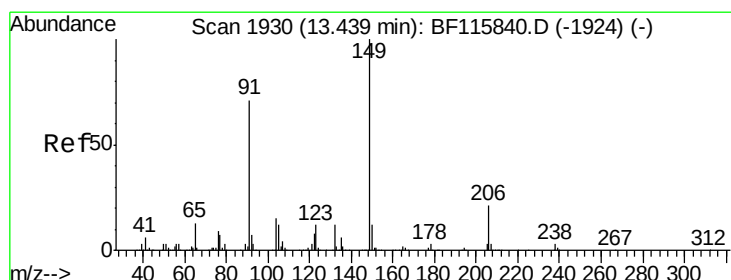
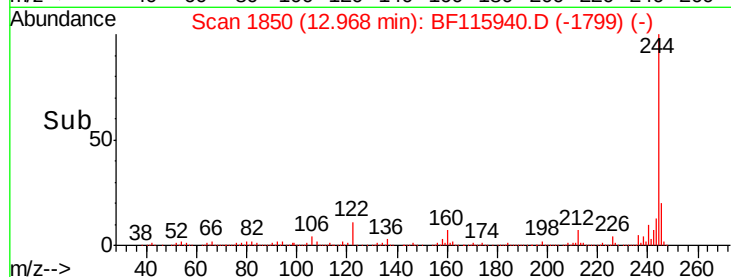
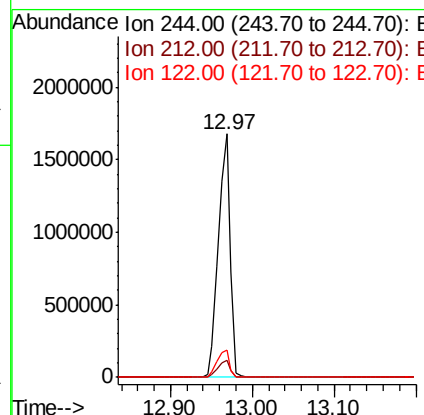
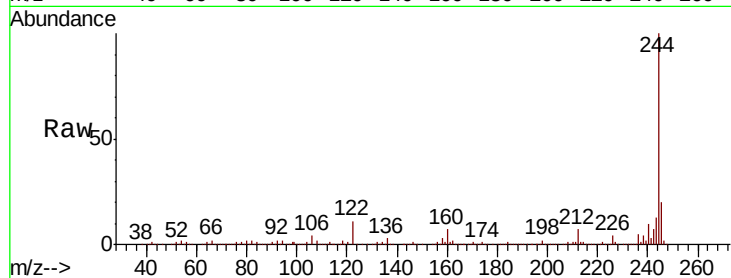
#79  
 Terphenyl-d14  
 Concen: 85.299 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.6   | 8.4   |
| 122     | 11.2  | 8.6   | 13.0  |

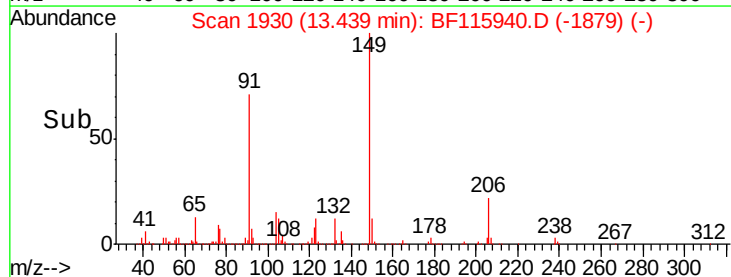
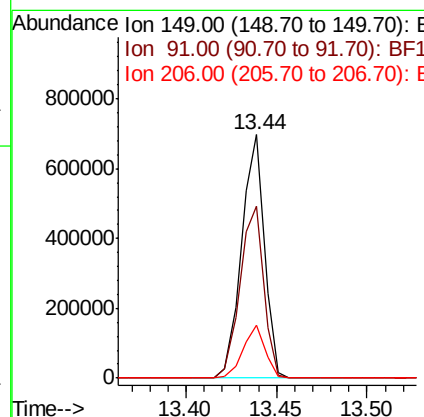
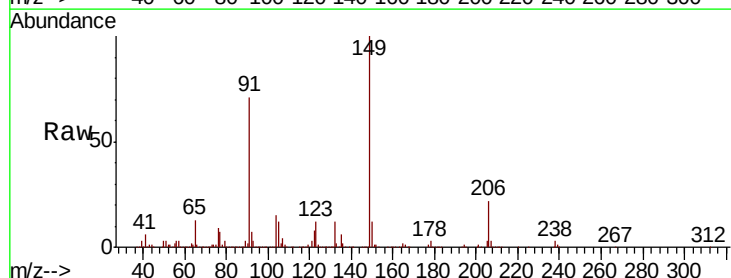
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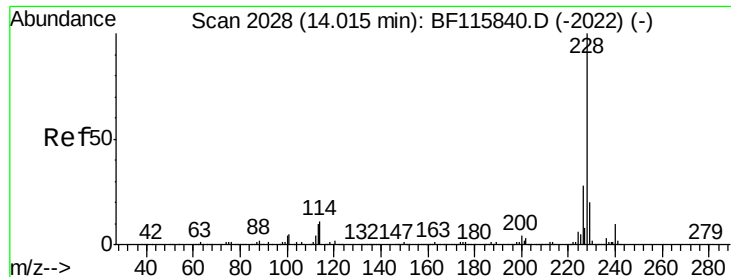
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#80  
 Butylbenzylphthalate  
 Concen: 45.452 ng  
 RT: 13.44 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.8  | 57.0  | 85.6  |
| 206     | 21.6  | 16.9  | 25.3  |





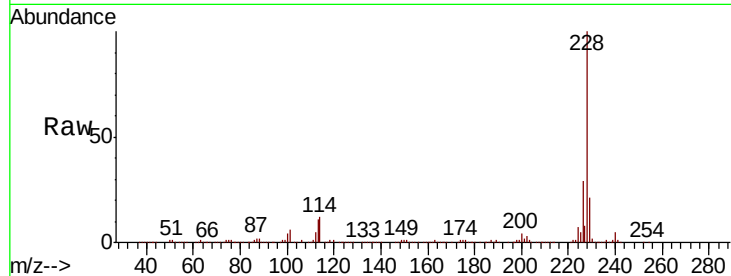
#81  
Benzo(a)anthracene  
Concen: 40.902 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 22.5  | 33.7  |
| 229     | 20.6  | 16.1  | 24.1  |

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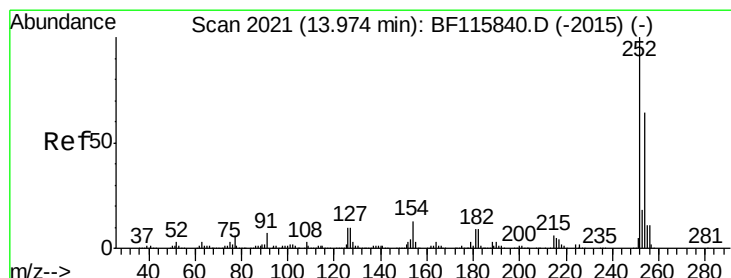
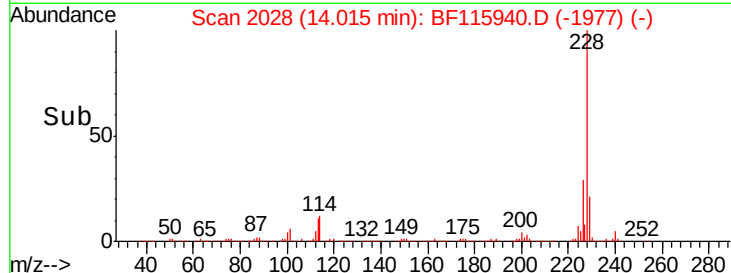
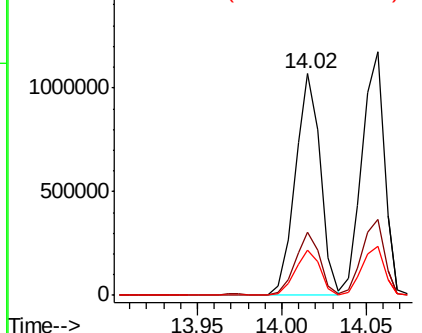


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82  
3,3'-Dichlorobenzidine  
Concen: 36.523 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

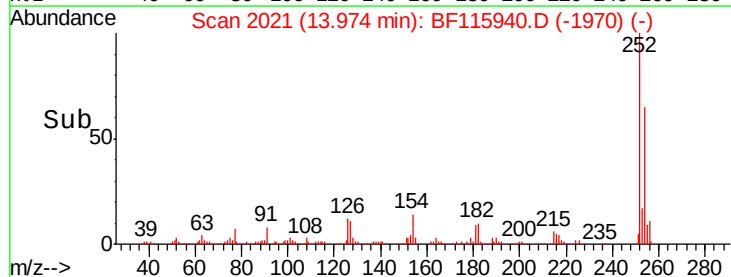
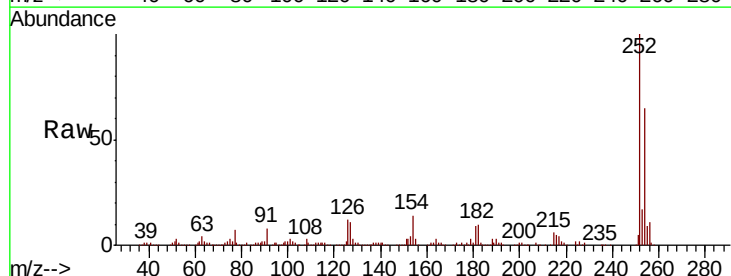
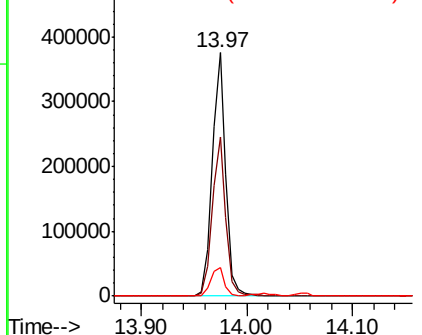
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.2  | 51.2  | 76.8  |
| 126     | 11.7  | 8.1   | 12.1  |

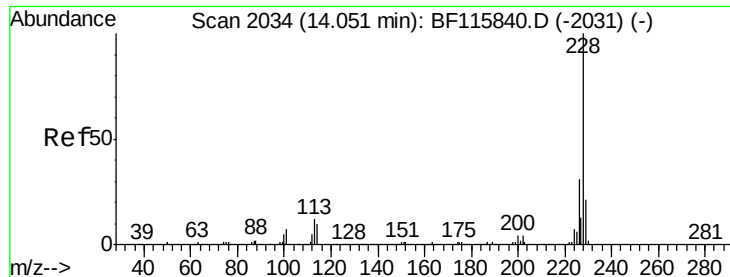
Abundance

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





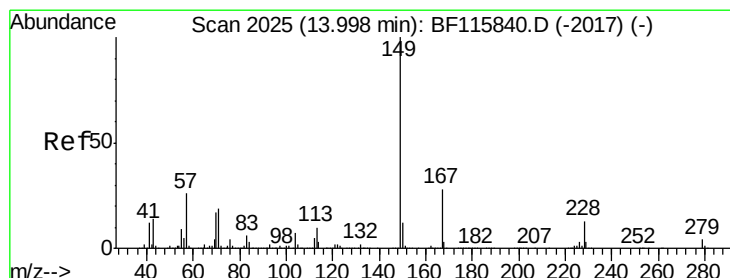
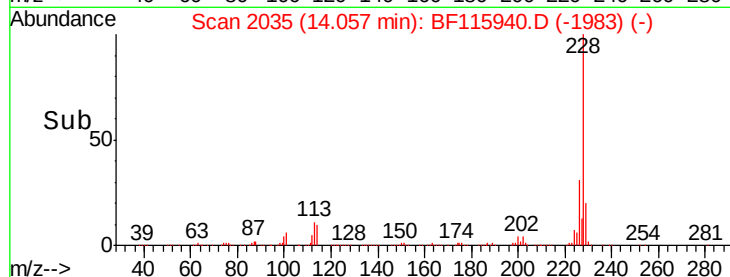
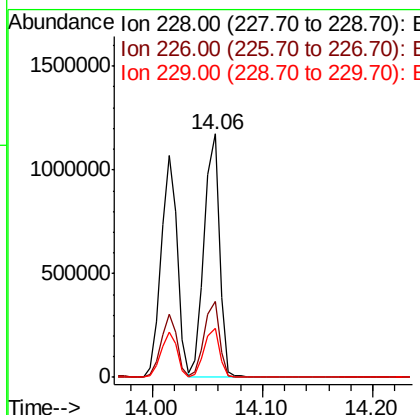
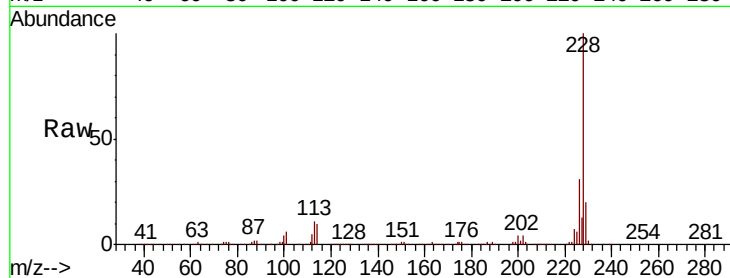
#83  
 Chrysene  
 Concen: 41.924 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. 0.01 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 24.8  | 37.2  |
| 229     | 20.1  | 16.4  | 24.6  |

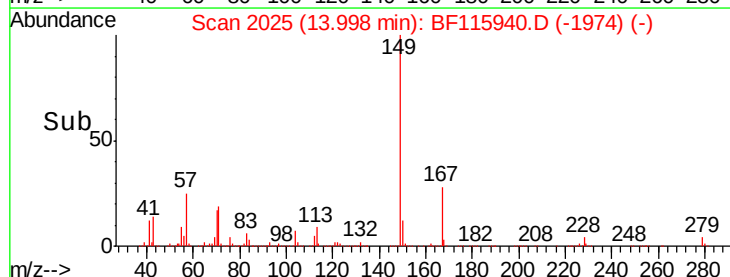
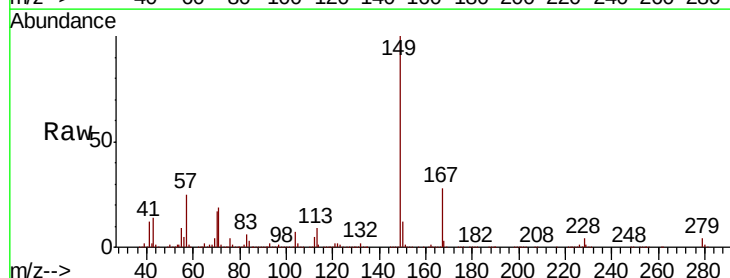
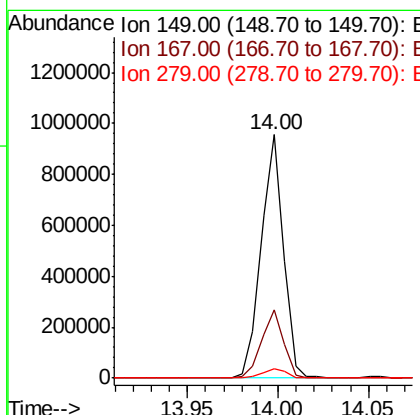
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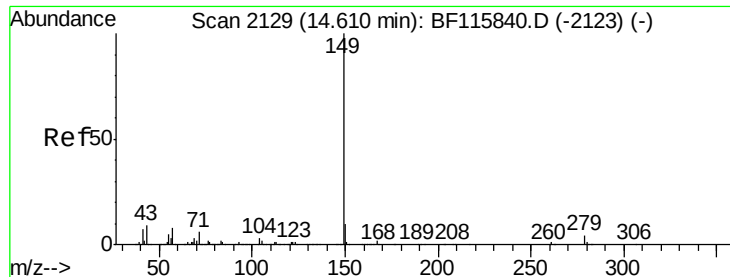
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 46.989 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. 0.00 min  
 Lab File: BF115940.D  
 Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.9  | 22.4  | 33.6  |
| 279     | 4.1   | 3.3   | 4.9   |





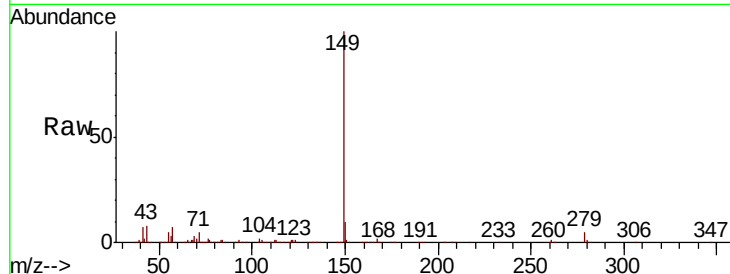
#85  
Di-n-octyl phthalate  
Concen: 47.382 ng  
RT: 14.61 min Scan# 2129  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 9.0   | 7.4   | 11.0  |

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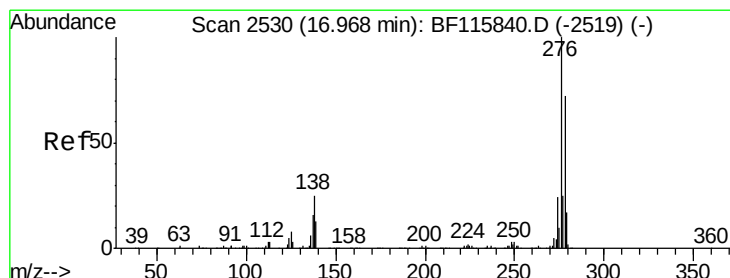
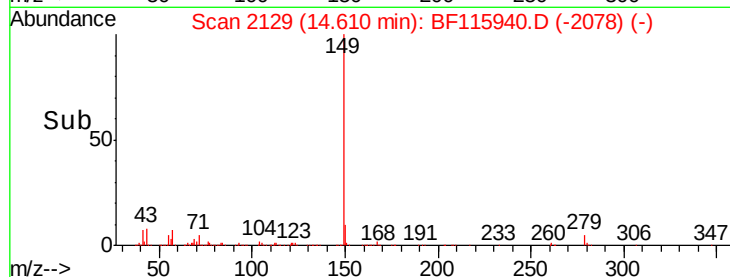
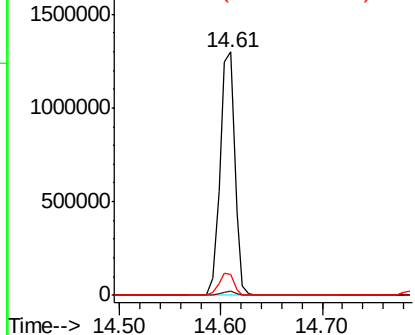


Abundance

Ion 149.00 (148.70 to 149.70): E

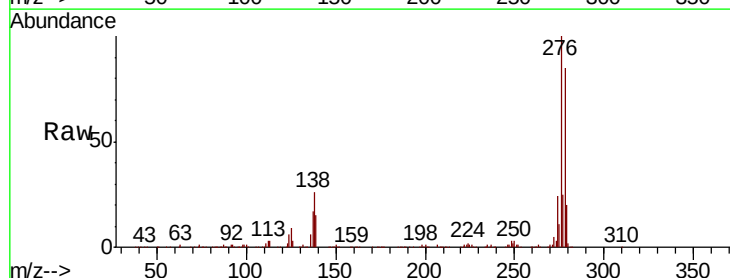
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 41.354 ng  
RT: 16.98 min Scan# 2532  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.3  | 19.6  | 29.4  |
| 277     | 25.4  | 20.1  | 30.1  |

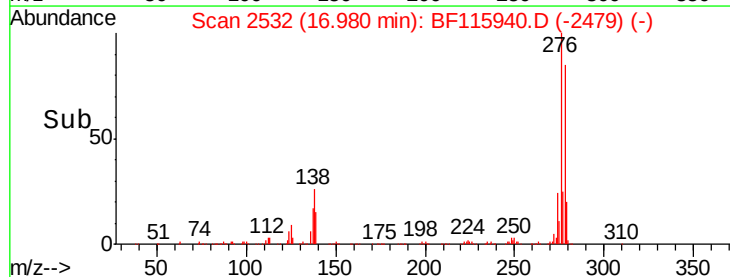
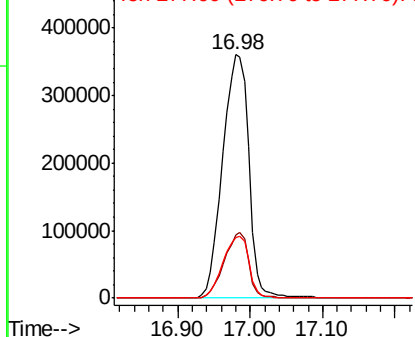


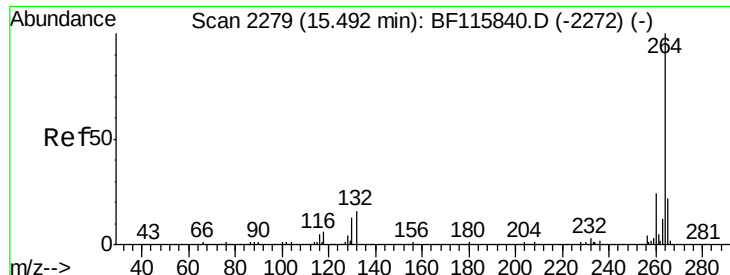
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





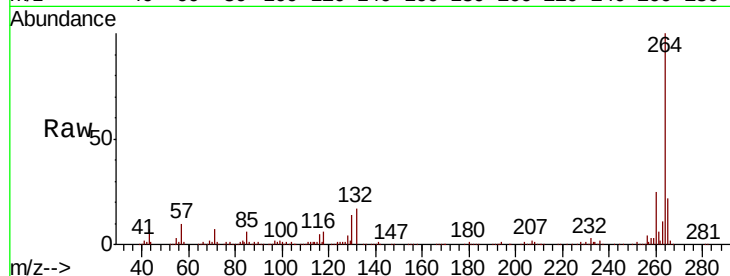
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.4  | 29.2  |
| 265     | 21.7  | 17.5  | 26.3  |

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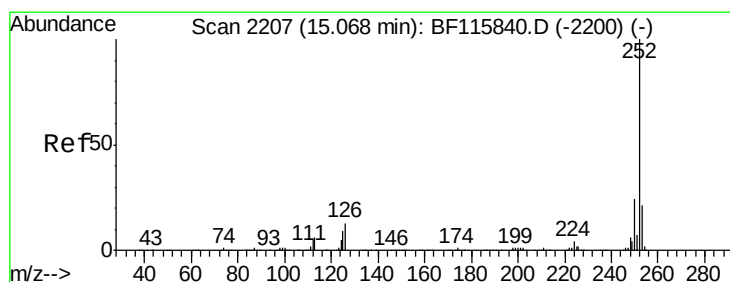
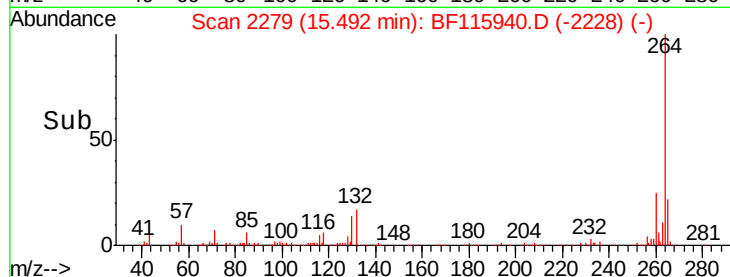
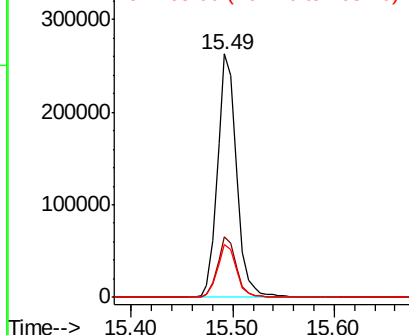


Abundance

Ion 264.00 (263.70 to 264.70): E

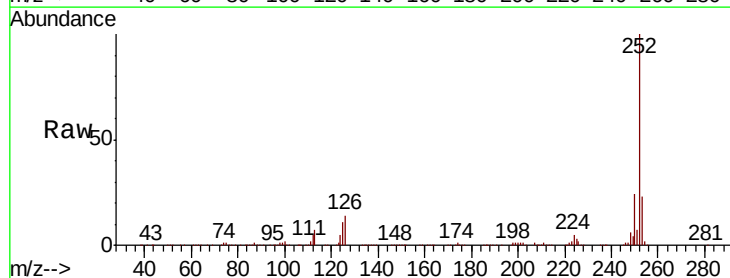
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88  
Benzo(b)fluoranthene  
Concen: 48.233 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. 0.00 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.2  | 25.8  |
| 125     | 10.7  | 7.4   | 11.0  |

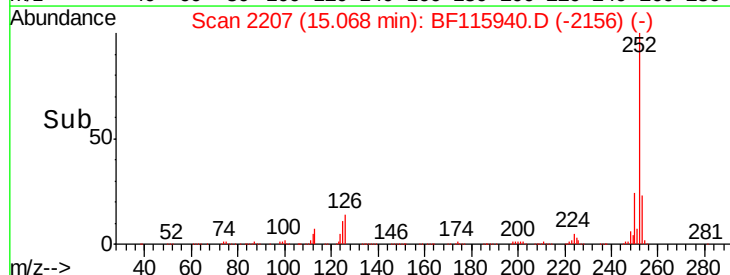
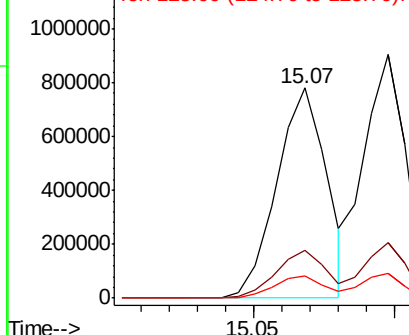


Abundance

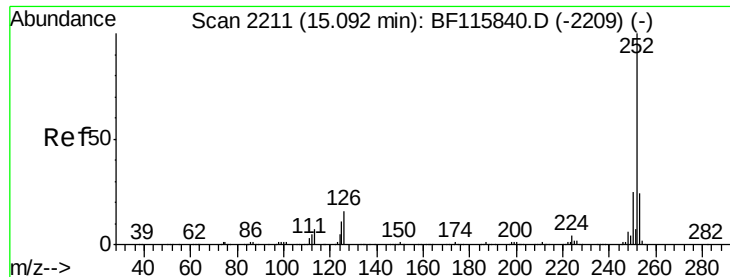
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 49.360 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

Instrument :

BNA\_F

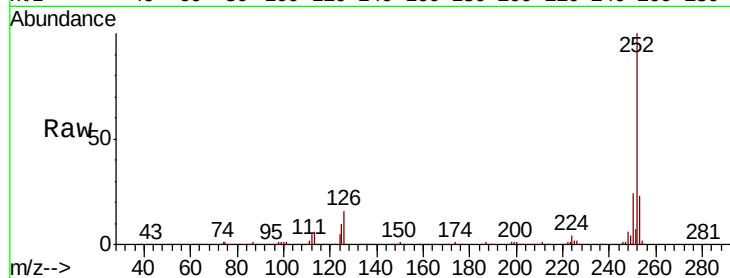
ClientSampleId :

PB121939BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 952144 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.0  | 18.2  | 27.4   |
| 125       | 10.3  | 8.9   | 13.3   |

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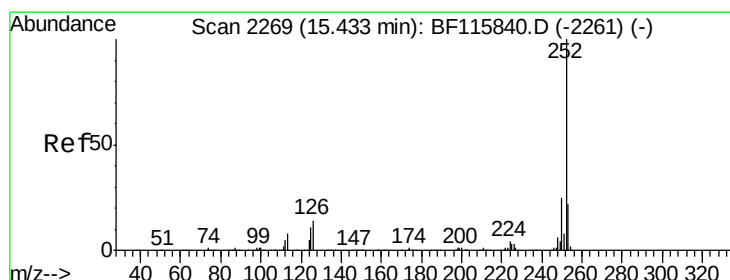
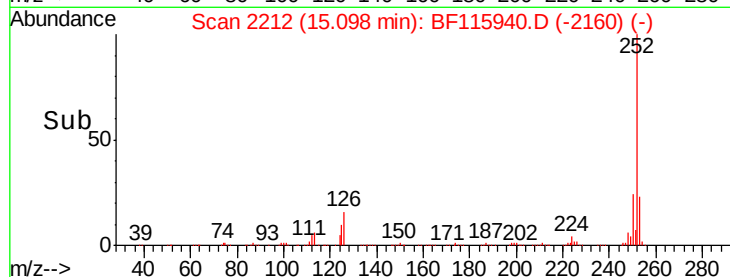
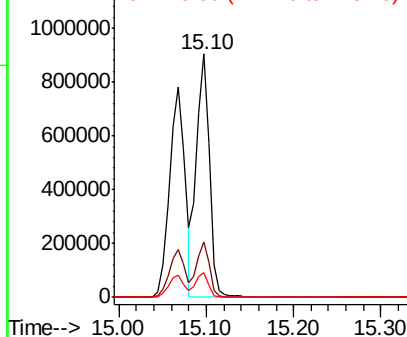


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 50.330 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF115940.D

Acq: 2 Aug 2019 12:13

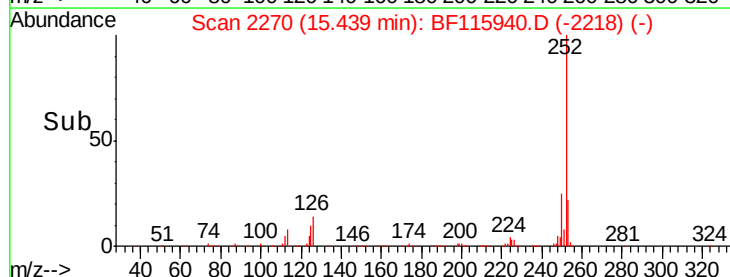
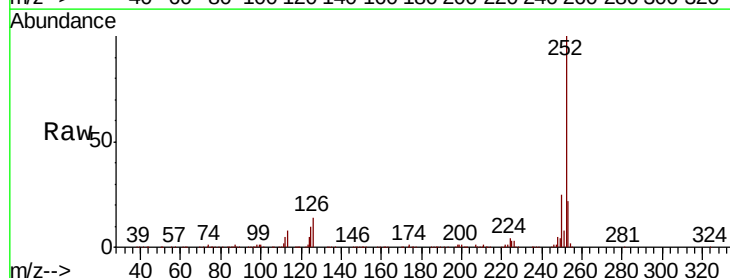
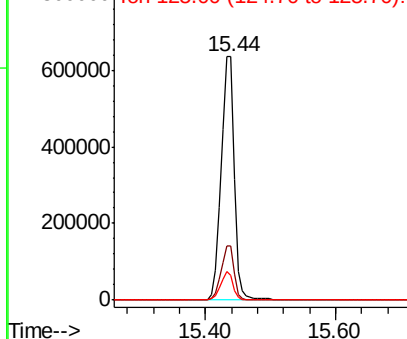
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 891037 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.8  | 26.6   |
| 125       | 10.3  | 8.8   | 13.2   |

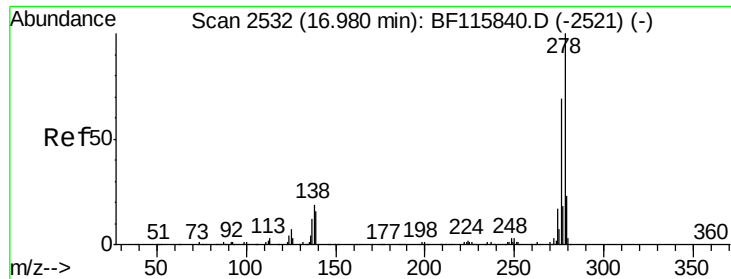
Abundance

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





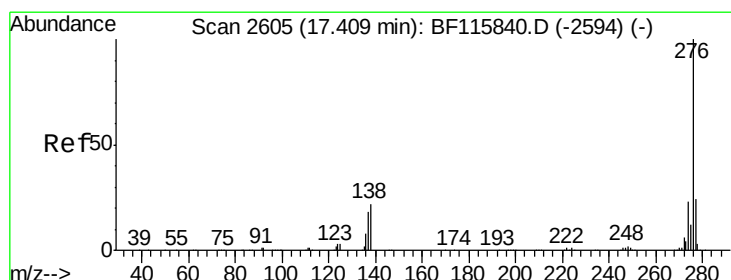
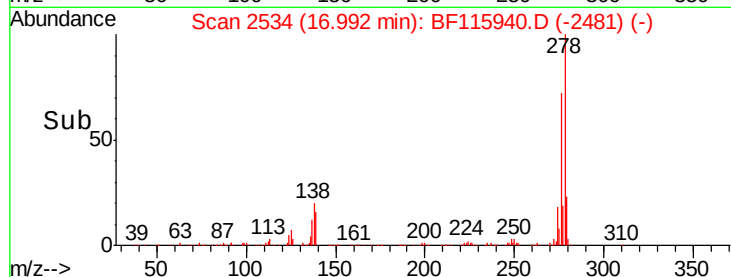
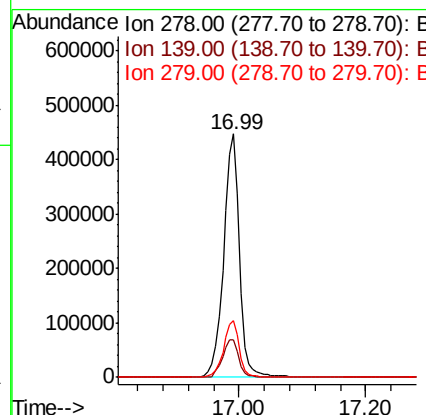
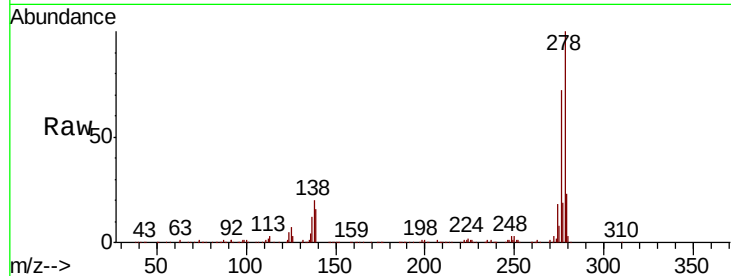
#91  
Dibenzo(a,h)anthracene  
Concen: 50.910 ng  
RT: 16.99 min Scan# 2534  
Delta R.T. 0.01 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB121939BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.6  | 12.6  | 19.0  |
| 279     | 23.2  | 18.8  | 28.2  |

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#92  
Benzo(g,h,i)perylene  
Concen: 50.495 ng  
RT: 17.43 min Scan# 2608  
Delta R.T. 0.02 min  
Lab File: BF115940.D  
Acq: 2 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 19.5  | 29.3  |
| 138     | 21.1  | 17.8  | 26.8  |

