

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101417\  
 Data File : BF099500.D  
 Acq On : 15 Oct 2017 2:40  
 Operator : SJ/JU  
 Sample : PB103194BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

Manual Integrations  
 APPROVED

Sohil  
 10/15/2017 12:41:29 PM

Quant Time: Oct 15 04:28:58 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 14 23:44:03 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 108921   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 458362   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 205874   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.38 | 188  | 344134   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.02 | 240  | 191740   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.49 | 264  | 179334   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 749201  | 109.50 | ng | 0.01 |
| 7) Phenol-d6             | 6.50  | 99  | 898104  | 106.40 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 535115  | 74.87  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 170610  | 101.28 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.21  | 172 | 1011303 | 82.01  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.96 | 244 | 782866  | 92.85  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.70 | 88  | 98146  | 30.03 | ng | 96     |
| 3) Pyridine                    | 3.48 | 79  | 255325 | 28.88 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.43 | 42  | 113399 | 30.24 | ng | # 85   |
| 6) Aniline                     | 6.52 | 93  | 235593 | 20.68 | ng | 99     |
| 8) 2-Chlorophenol              | 6.65 | 128 | 277755 | 35.85 | ng | 93     |
| 9) Benzaldehyde                | 6.41 | 77  | 93411  | 19.08 | ng | 94     |
| 10) Phenol                     | 6.51 | 94  | 336767 | 35.68 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 259040 | 35.30 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 293318 | 36.15 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 299156 | 36.23 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 275354 | 36.09 | ng | 98     |
| 15) Benzyl Alcohol             | 7.00 | 79  | 207919 | 33.58 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 359310 | 31.43 | ng | 91     |
| 17) 2-Methylphenol             | 7.11 | 107 | 225232 | 35.53 | ng | 99     |
| 18) Hexachloroethane           | 7.36 | 117 | 102815 | 34.65 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70  | 171477 | 31.82 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 274323 | 34.20 | ng | # 70   |
| 22) Acetophenone               | 7.26 | 105 | 358921 | 32.32 | ng | # 97   |
| 24) Nitrobenzene               | 7.44 | 77  | 275978 | 34.04 | ng | 95     |
| 25) Isophorone                 | 7.67 | 82  | 506102 | 34.25 | ng | 99     |
| 26) 2-Nitrophenol              | 7.76 | 139 | 153672 | 39.41 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.79 | 122 | 242401 | 32.92 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93  | 327855 | 35.60 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.00 | 162 | 229806 | 36.35 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 230607 | 36.47 | ng | 100    |
| 31) Naphthalene                | 8.16 | 128 | 777216 | 36.10 | ng | 100    |
| 32) Benzoic acid               | 7.91 | 122 | 84058m | 13.90 | ng |        |
| 33) 4-Chloroaniline            | 8.21 | 127 | 110191 | 12.26 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 116883 | 35.89 | ng | 98     |
| 35) Caprolactam                | 8.59 | 113 | 69848m | 34.44 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 236440 | 33.28 | ng | 94     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 539402 | 38.54 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 210360 | 34.26 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.00 | 237 | 118933 | 42.39 | ng | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.13  | 196  | 141105   | 32.44 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.17  | 196  | 146891   | 33.83 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.31  | 154  | 626587   | 35.41 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 489951   | 36.88 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.44  | 65   | 139403   | 34.27 | ng    | 95       |
| 48) Acenaphthylene             | 9.76  | 152  | 735517   | 36.17 | ng    | 99       |
| 49) Dimethylphthalate          | 9.61  | 163  | 569755   | 36.67 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.68  | 165  | 127692   | 37.75 | ng    | 89       |
| 51) Acenaphthene               | 9.93  | 154  | 432261   | 33.55 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.85  | 138  | 85095    | 21.57 | ng    | 90       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 33664    | 23.55 | ng    | 88       |
| 54) Dibenzofuran               | 10.10 | 168  | 638447   | 37.22 | ng    | 100      |
| 55) 4-Nitrophenol              | 10.02 | 139  | 122522   | 36.74 | ng    | 87       |
| 56) 2,4-Dinitrotoluene         | 10.09 | 165  | 159531   | 36.34 | ng    | 97       |
| 57) Fluorene                   | 10.44 | 166  | 513784   | 37.27 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 101606   | 33.88 | ng    | 97       |
| 59) Diethylphthalate           | 10.31 | 149  | 543345   | 35.79 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204  | 231299   | 37.35 | ng    | 98       |
| 61) 4-Nitroaniline             | 10.47 | 138  | 132923   | 34.93 | ng    | 90       |
| 62) Azobenzene                 | 10.59 | 77   | 500607   | 35.86 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 38967    | 18.61 | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.55 | 169  | 451861   | 37.90 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.92 | 248  | 131690   | 39.09 | ng    | # 90     |
| 67) Hexachlorobenzene          | 10.99 | 284  | 131727   | 36.61 | ng    | 98       |
| 68) Atrazine                   | 11.07 | 200  | 140245   | 39.10 | ng    | 98       |
| 69) Pentachlorophenol          | 11.19 | 266  | 71382    | 31.88 | ng    | 98       |
| 70) Phenanthrene               | 11.40 | 178  | 705485   | 38.30 | ng    | 99       |
| 71) Anthracene                 | 11.46 | 178  | 722828   | 38.35 | ng    | 100      |
| 72) Carbazole                  | 11.62 | 167  | 666871   | 36.13 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 837469   | 37.70 | ng    | 99       |
| 74) Fluoranthene               | 12.59 | 202  | 664429   | 35.62 | ng    | 99       |
| 76) Benzidine                  | 12.72 | 184  | 119814   | 16.89 | ng    | 98       |
| 77) Pyrene                     | 12.82 | 202  | 660676   | 45.19 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.43 | 149  | 292633   | 42.59 | ng    | 97       |
| 80) Benzo(a)anthracene         | 14.01 | 228  | 444801   | 38.31 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 86059    | 20.22 | ng    | 99       |
| 82) Chrysene                   | 14.05 | 228  | 430798   | 38.97 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149  | 355204   | 37.54 | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 14.59 | 149  | 524846   | 34.45 | ng    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 465301   | 52.62 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 15.06 | 252  | 387268m  | 35.12 | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.09 | 252  | 402501   | 36.96 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.43 | 252  | 391957   | 38.73 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.99 | 278  | 382387   | 47.21 | ng    | # 96     |
| 91) Benzo(g,h,i)perylene       | 17.43 | 276  | 406122   | 50.72 | ng    | 96       |

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

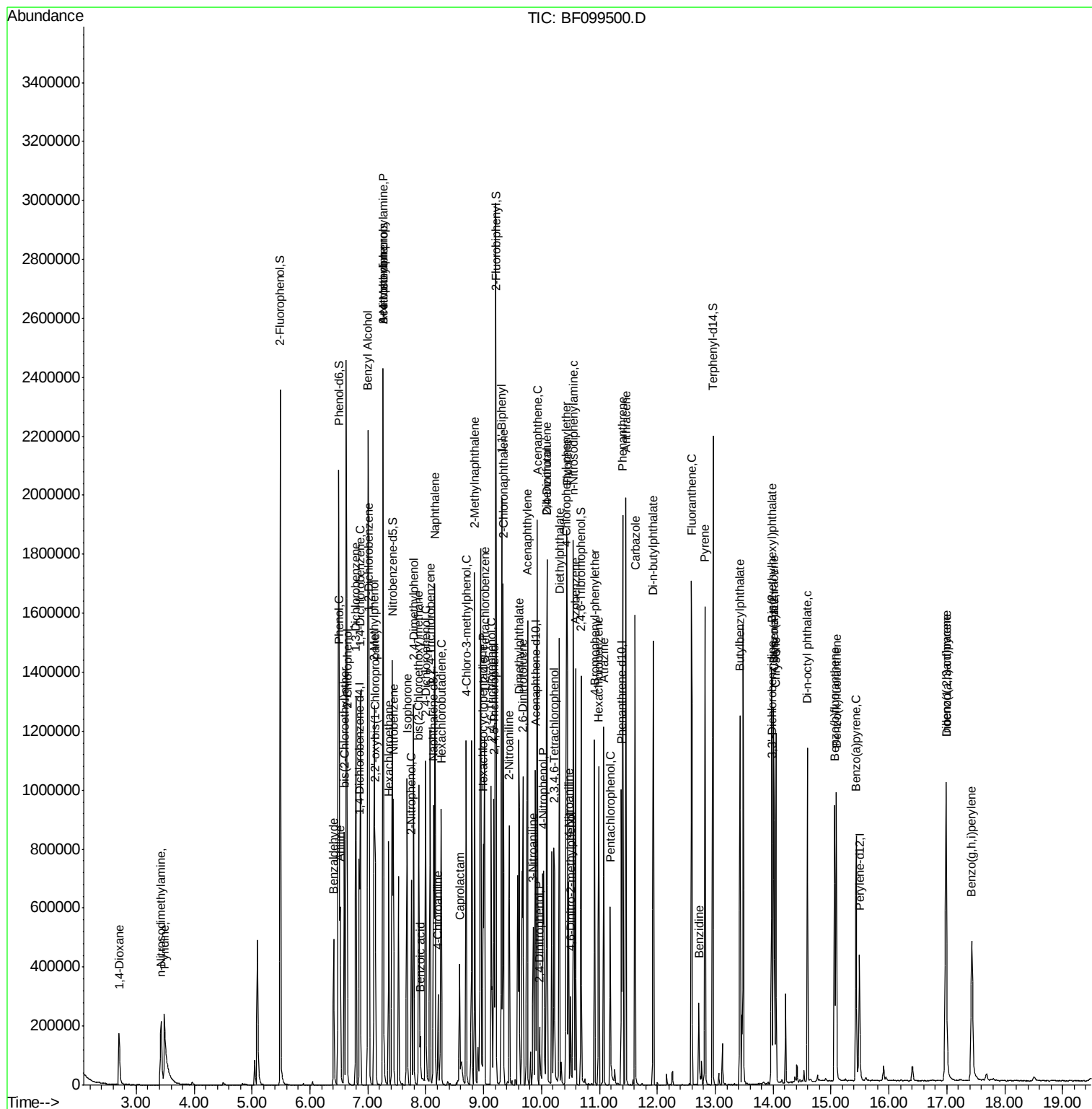
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101417\  
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Misc :  
ALS Vial : 28 Sample Multiplier: 1

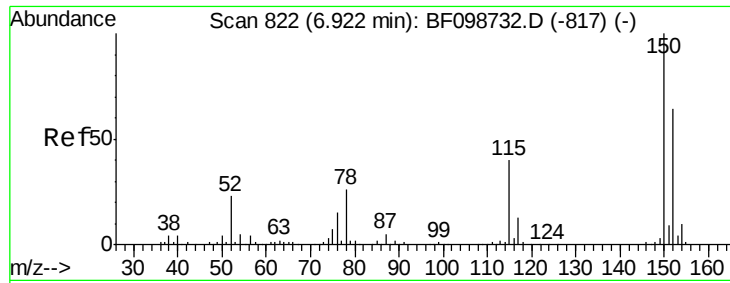
Instrument :  
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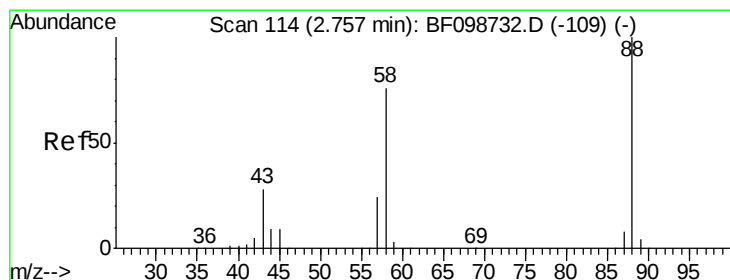
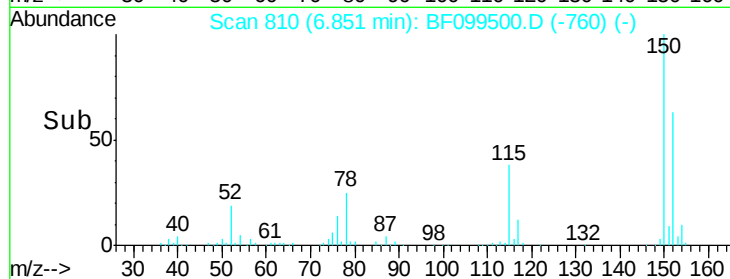
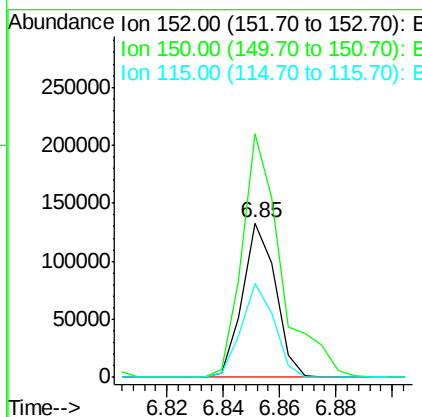
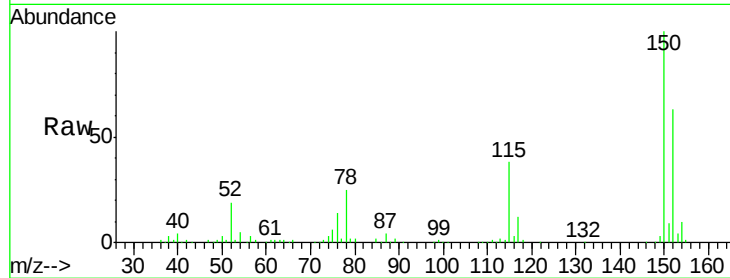
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 124.6 | 186.8 |
| 115     | 60.6  | 50.1  | 75.1  |

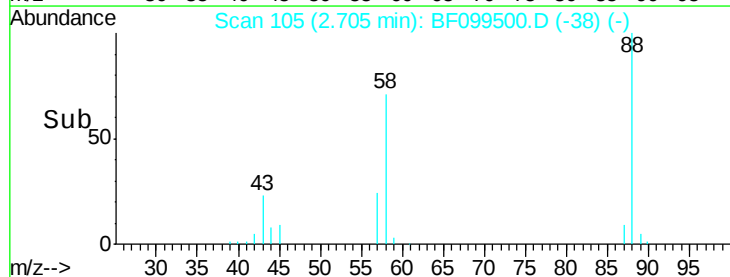
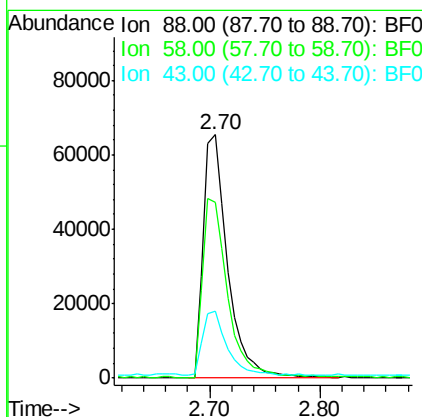
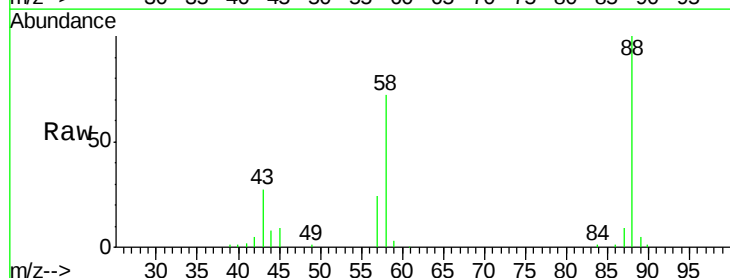
Manual Integrations  
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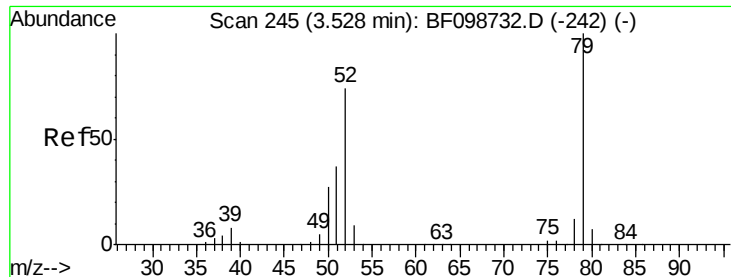
Sohil  
 10/15/2017 12:41:29 PM



#2  
 1,4-Dioxane  
 Concen: 30.03 ng  
 RT: 2.70 min Scan# 105  
 Delta R.T. 0.09 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 77.0  | 62.6  | 93.8  |
| 43      | 25.9  | 24.6  | 37.0  |





#3

Pyridine

Concen: 28.88 ng

RT: 3.48 min Scan# 237

Delta R.T. 0.08 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

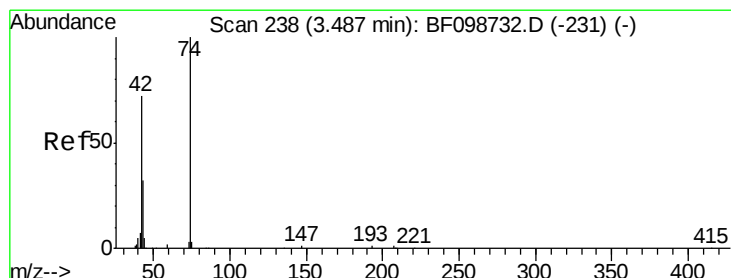
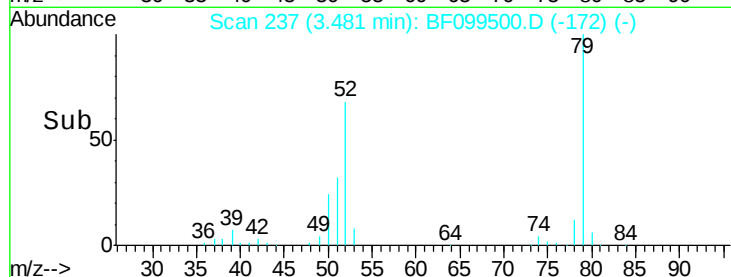
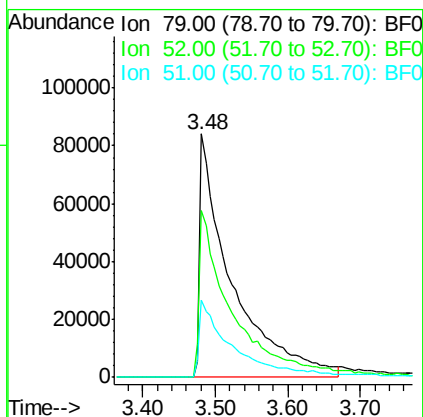
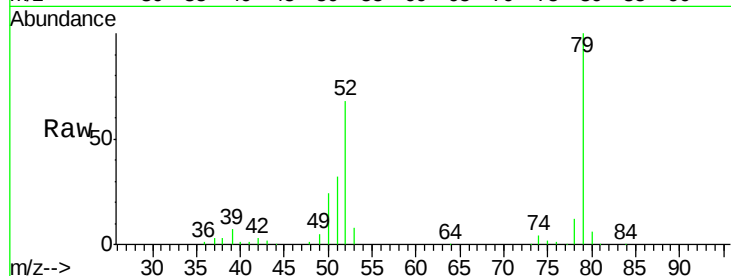
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 255325 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 68.4  | 59.8  | 89.6   |
| 51        | 31.8  | 29.8  | 44.8   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 30.24 ng

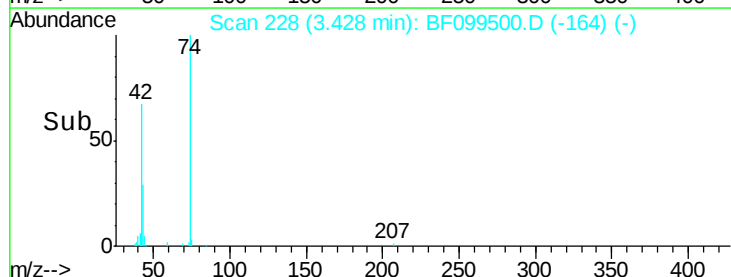
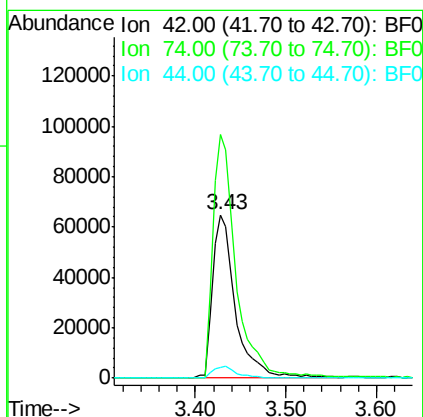
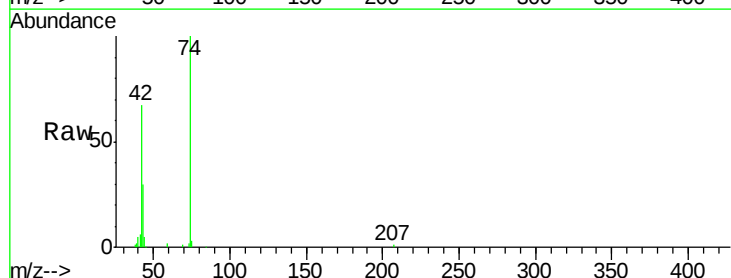
RT: 3.43 min Scan# 228

Delta R.T. 0.08 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 113399 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 149.0 | 104.9 | 157.3  |
| 44        | 6.8   | 6.9   | 10.3#  |





#5

2-Fluorophenol

Concen: 109.50 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

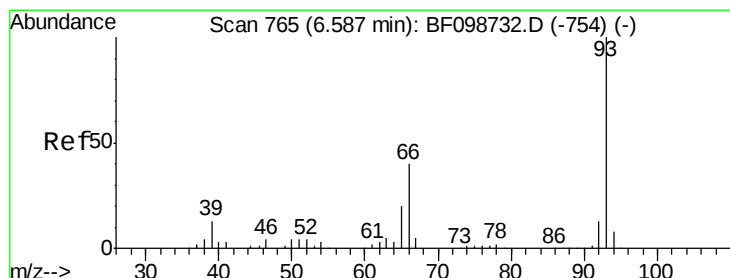
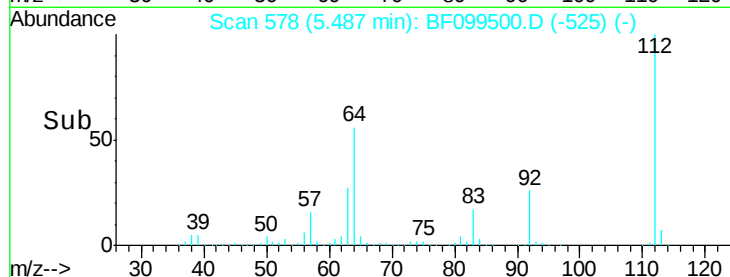
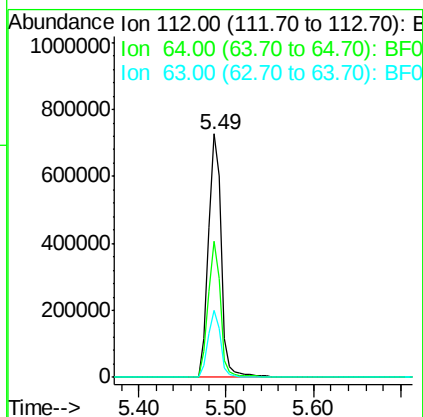
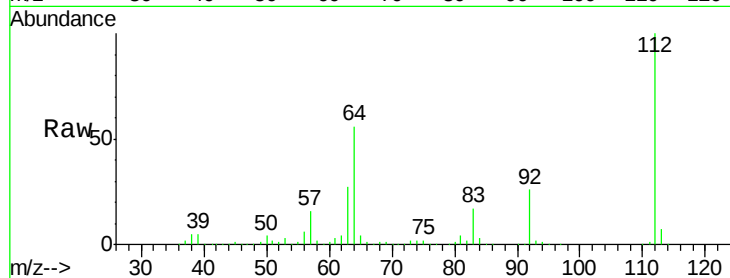
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 749201 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 55.9  | 47.9  | 71.9   |
| 63        | 27.4  | 23.7  | 35.5   |

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#6

Aniline

Concen: 20.68 ng

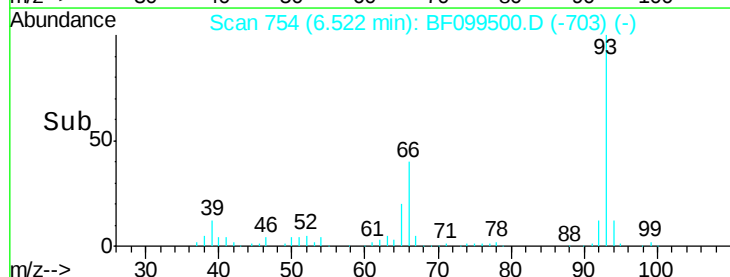
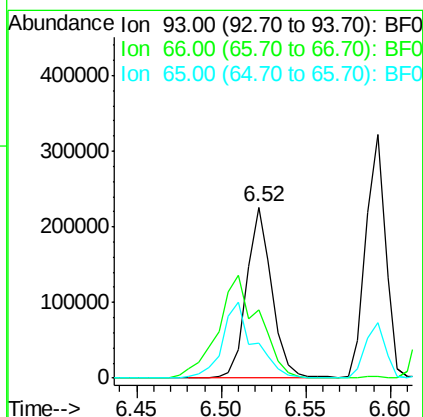
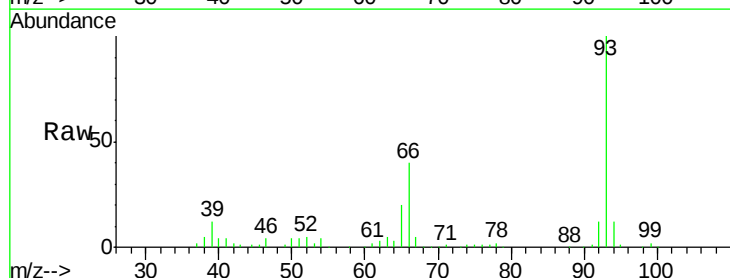
RT: 6.52 min Scan# 754

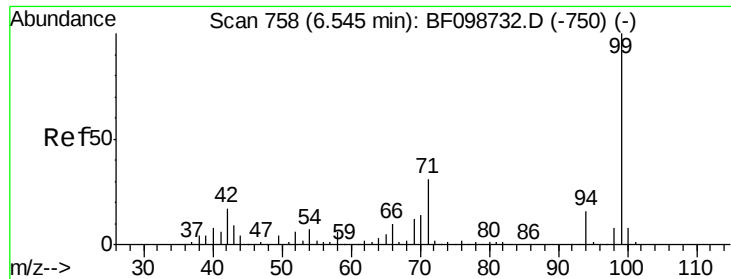
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 235593 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 39.8  | 32.2  | 48.2   |
| 65        | 20.2  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 106.40 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

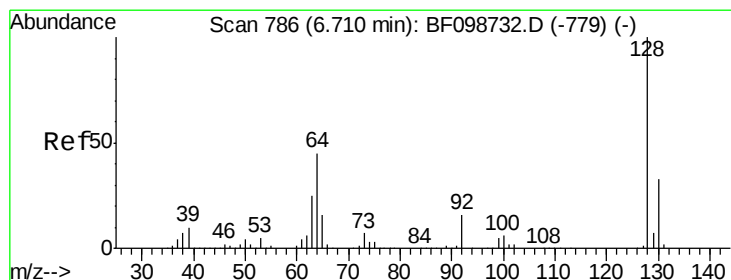
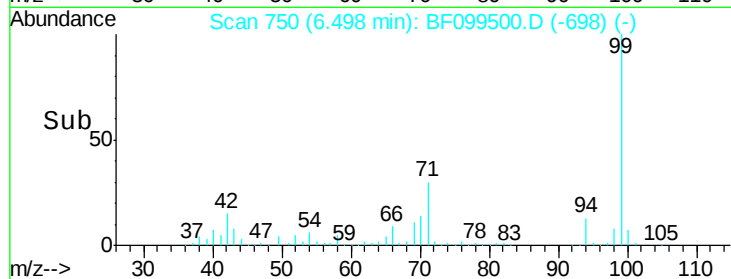
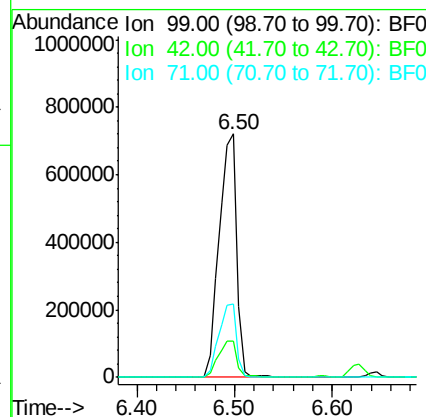
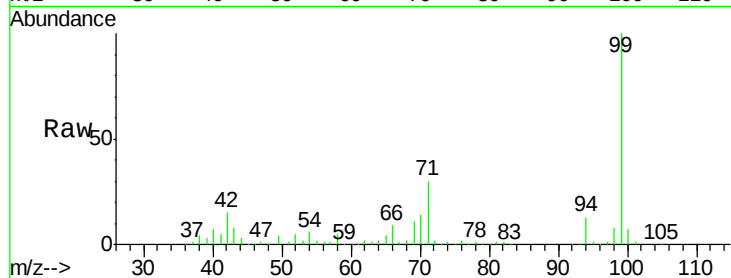
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 898104 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.8  | 14.5  | 21.7   |
| 71        | 30.0  | 25.4  | 38.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 35.85 ng

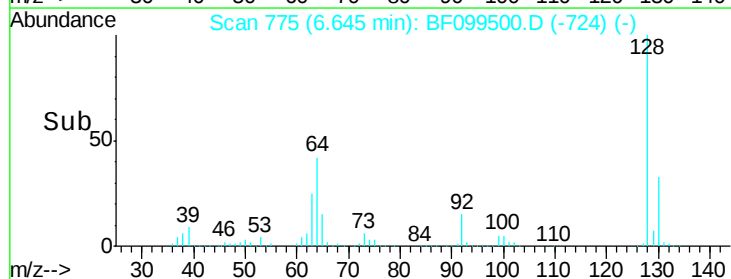
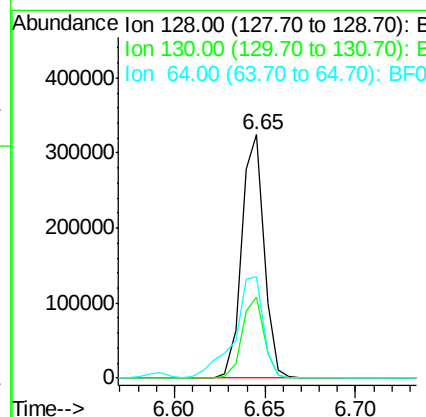
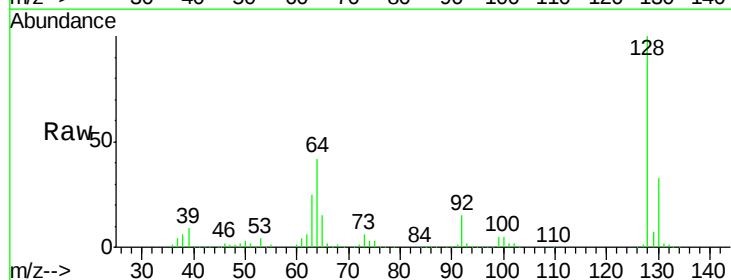
RT: 6.65 min Scan# 775

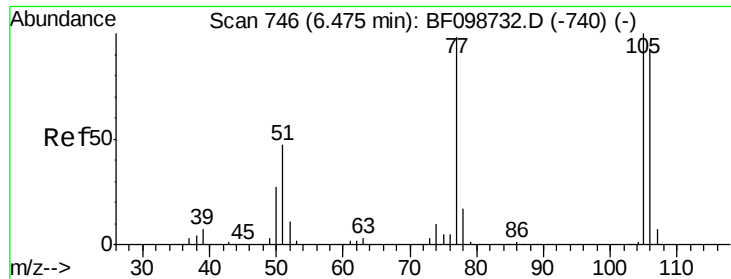
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 277755 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.1  | 13.0  | 53.0   |
| 64        | 41.6  | 29.4  | 69.4   |





#9

Benzaldehyde

Concen: 19.08 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

ClientSampleId :

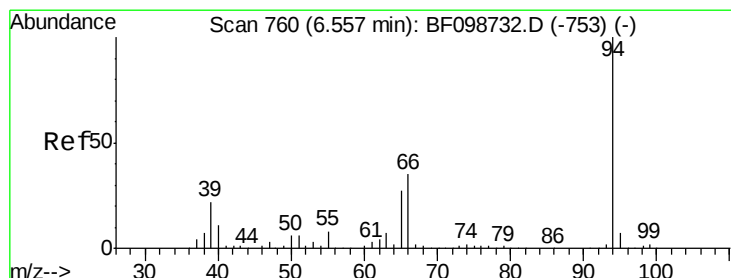
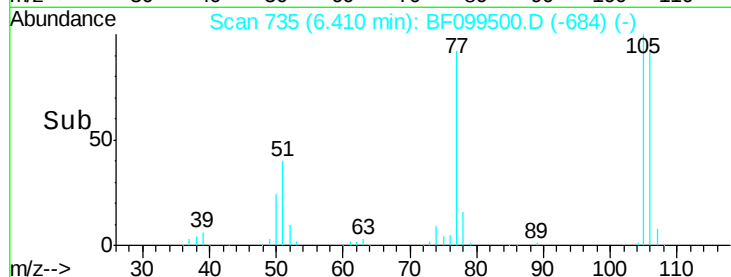
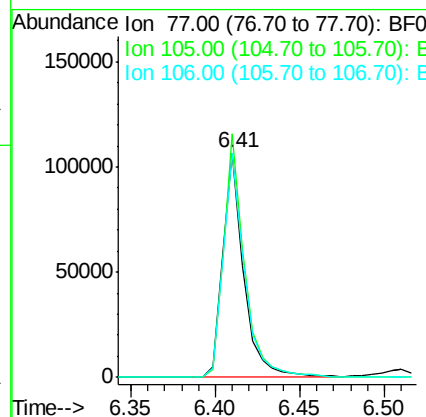
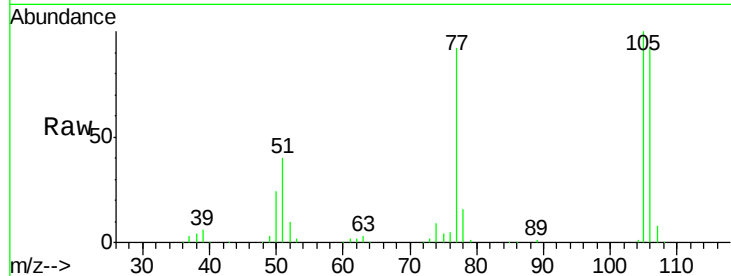
PB103194BS

Tgt Ion: 77 Resp: 93411

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 108.5 | 81.1  | 121.1 |
| 106 | 99.9  | 74.5  | 114.5 |

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#10

Phenol

Concen: 35.68 ng

RT: 6.51 min Scan# 752

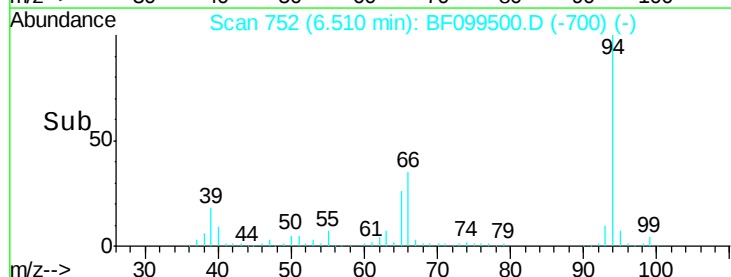
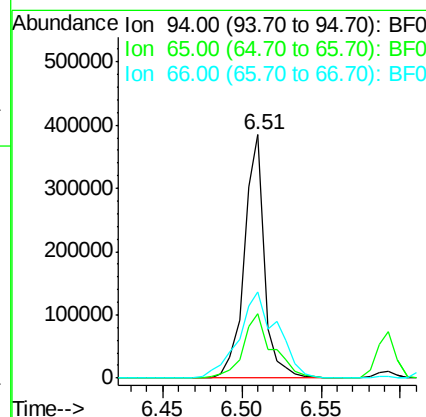
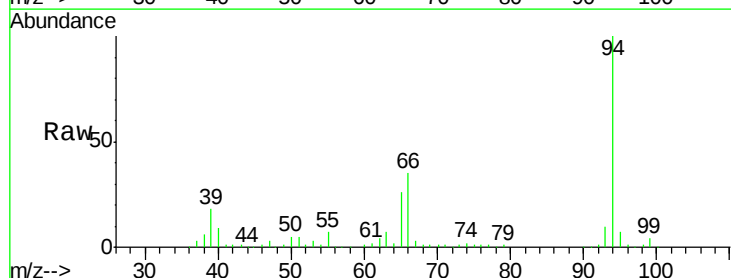
Delta R.T. 0.01 min

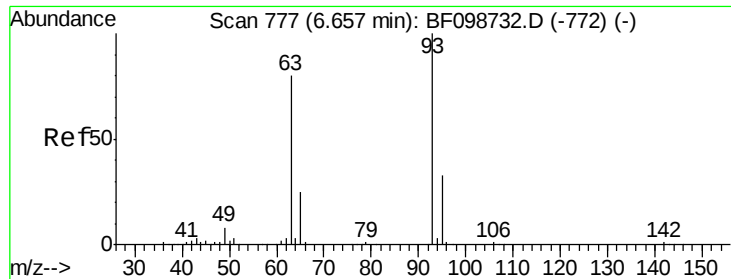
Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Tgt Ion: 94 Resp: 336767

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 26.2  | 7.9   | 47.9  |
| 66  | 35.2  | 16.2  | 56.2  |





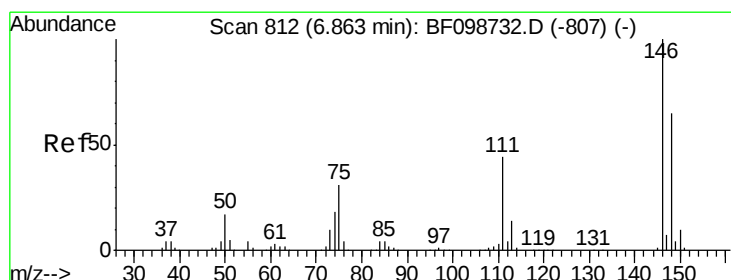
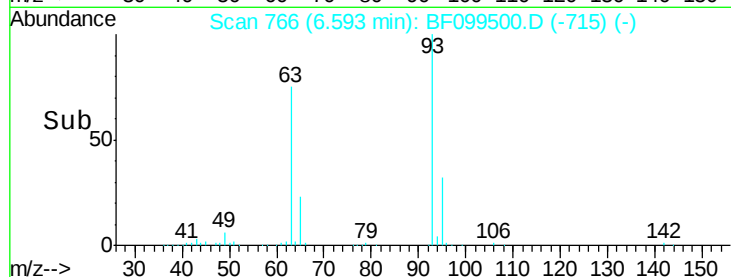
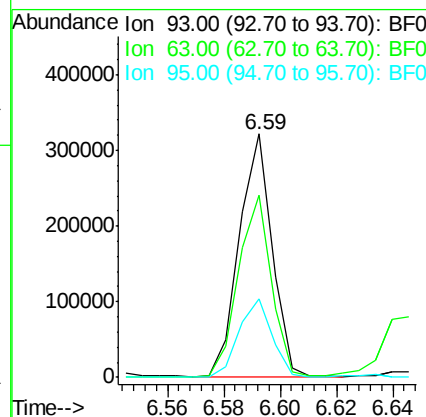
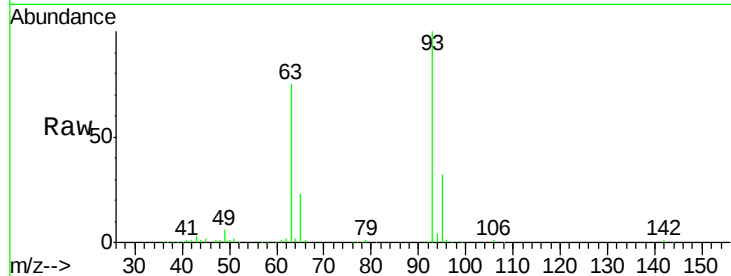
#11  
bis(2-Chloroethyl)ether  
Concen: 35.30 ng  
RT: 6.59 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 259040 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 74.6  | 58.6  | 98.6   |
| 95       | 32.3  | 11.8  | 51.8   |

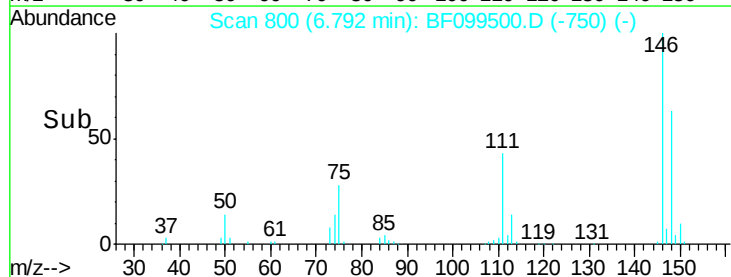
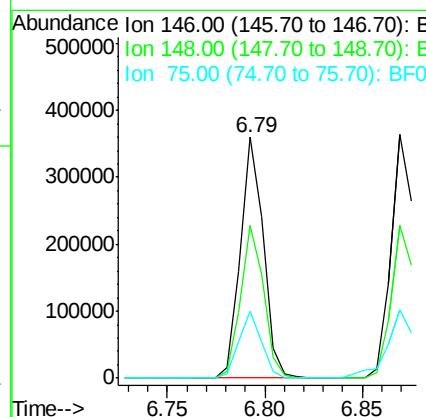
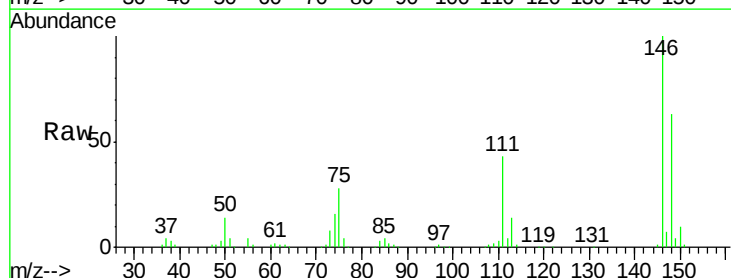
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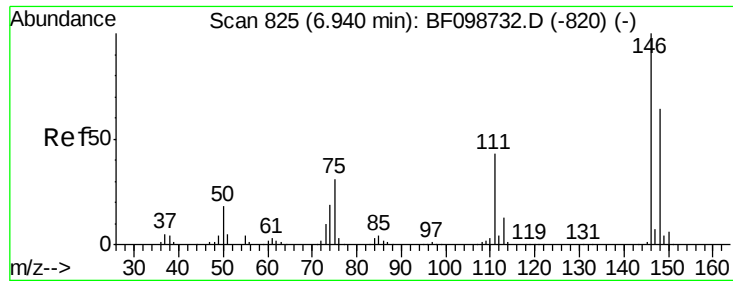
Sohil  
10/15/2017 12:41:29 PM



#12  
1,3-Dichlorobenzene  
Concen: 36.15 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 293318 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.3  | 51.8  | 77.8   |
| 75       | 27.9  | 24.2  | 36.4   |





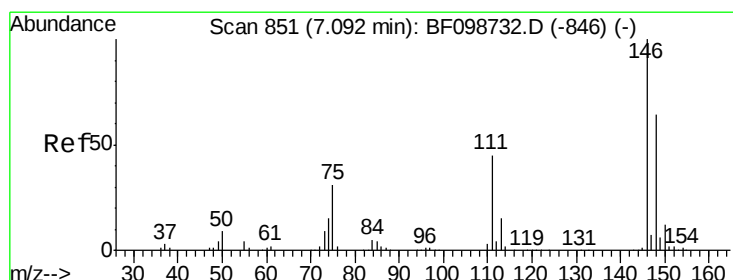
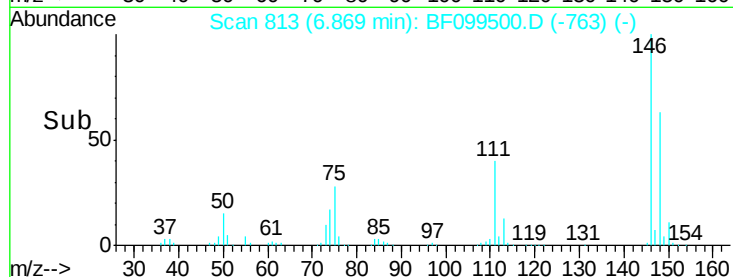
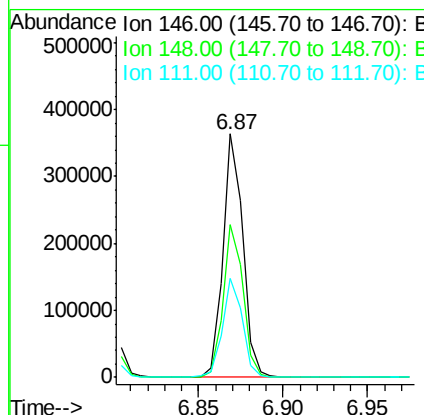
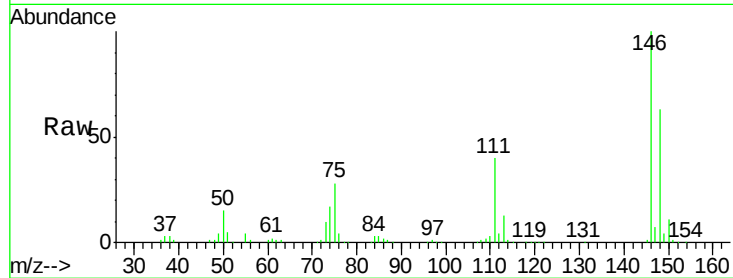
#13  
 1,4-Dichlorobenzene  
 Concen: 36.23 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 146     | 100   |            |            |
| 148     | 62.9  | 50.8       | 76.2       |
| 111     | 40.5  | 34.2       | 51.2       |

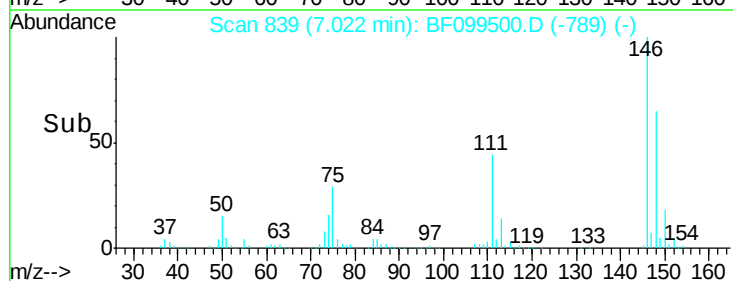
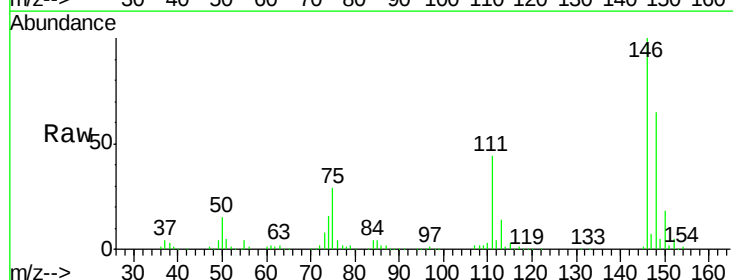
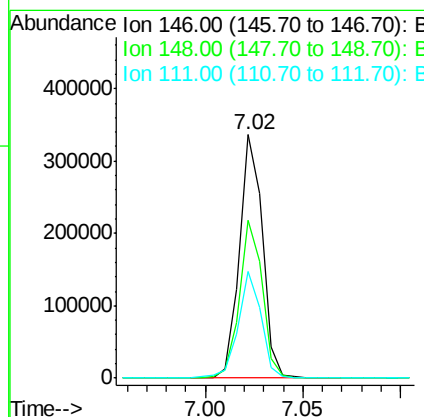
Manual Integrations  
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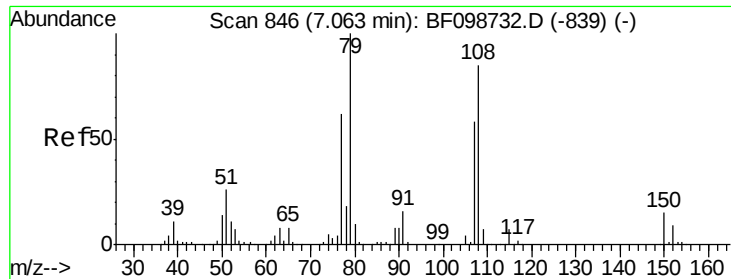
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 10/15/2017 12:41:29 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 36.09 ng  
 RT: 7.02 min Scan# 839  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 146     | 100   |            |            |
| 148     | 64.9  | 50.6       | 75.8       |
| 111     | 43.7  | 36.0       | 54.0       |





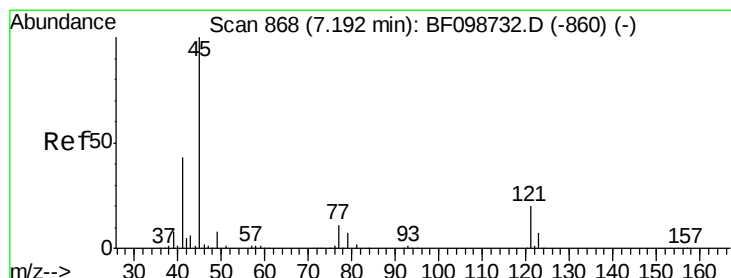
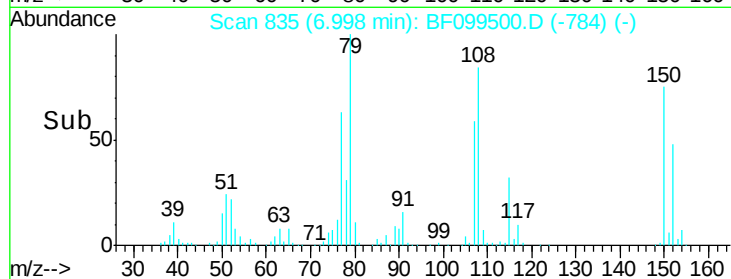
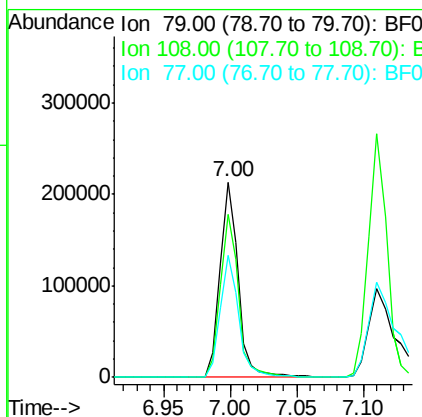
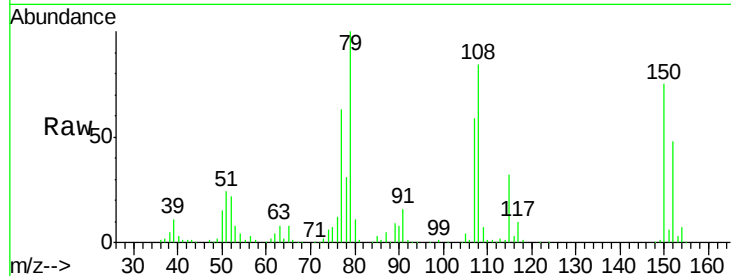
#15  
Benzyl Alcohol  
Concen: 33.58 ng  
RT: 7.00 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 207919 |       |       |
| 108     | 83.7  | 65.1   | 97.7  |       |
| 77      | 62.7  | 50.6   | 75.8  |       |

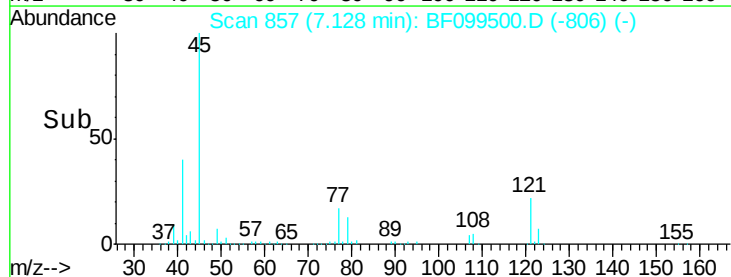
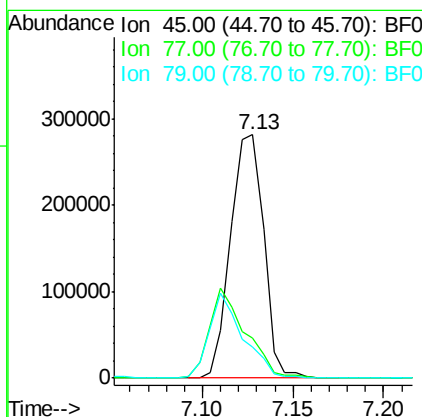
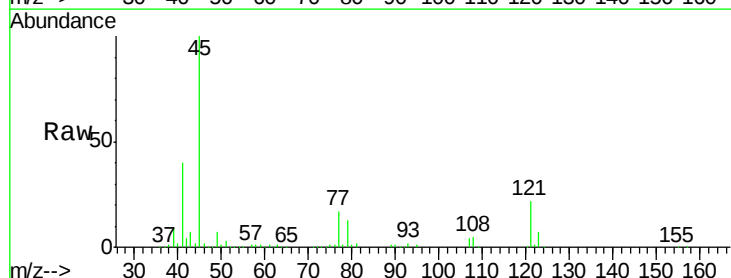
Manual Integrations  
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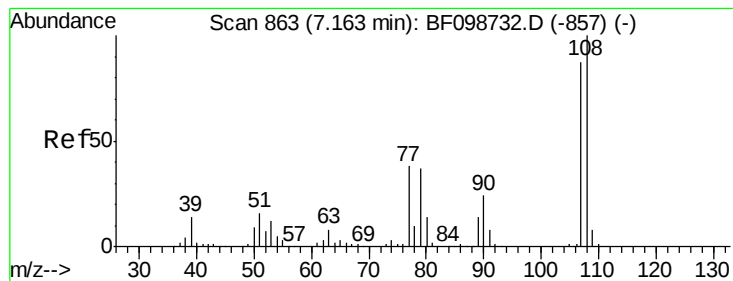
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10/15/2017 12:41:29 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 31.43 ng  
RT: 7.13 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 359310 |       |       |
| 77      | 16.5  | 0.0    | 32.9  |       |
| 79      | 12.9  | 0.0    | 29.6  |       |





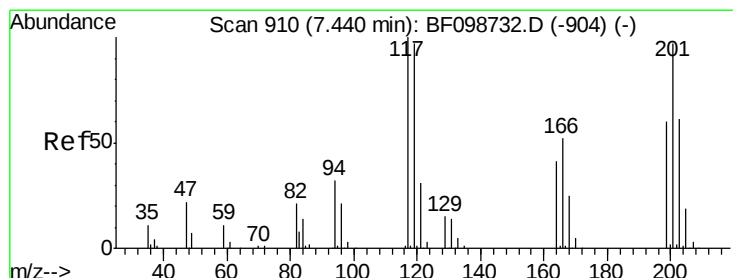
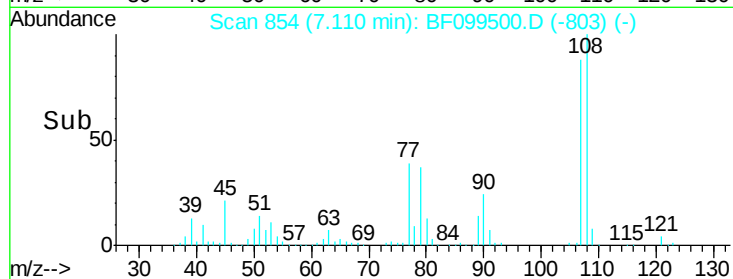
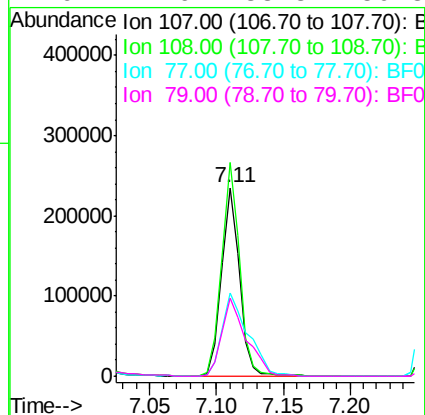
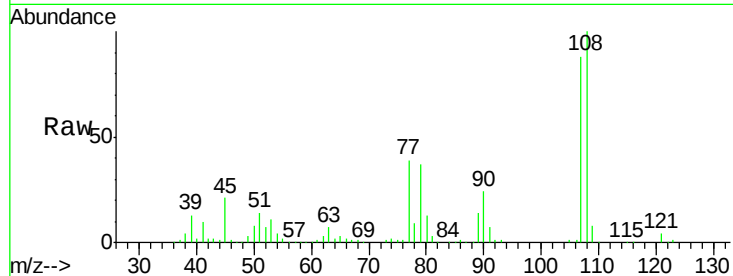
#17  
2-Methylphenol  
Concen: 35.53 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 225232 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 113.5 | 91.7  | 137.5  |
| 77        | 44.1  | 33.8  | 50.8   |
| 79        | 41.6  | 33.8  | 50.8   |

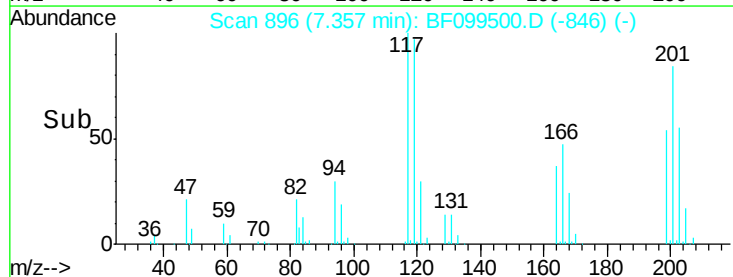
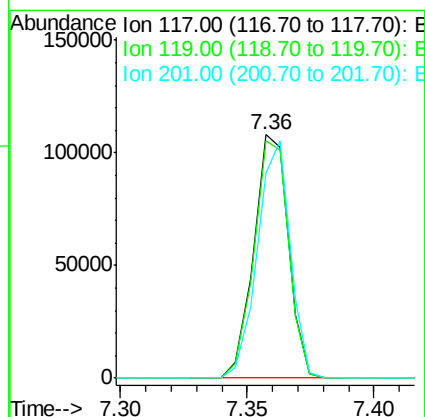
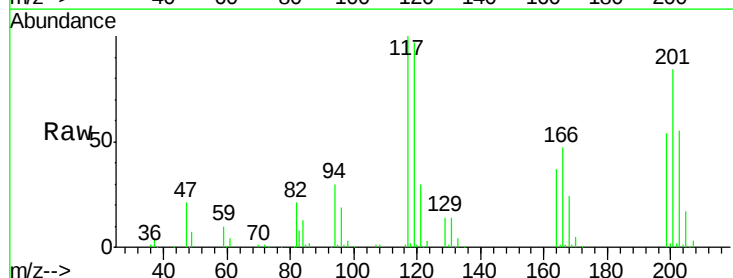
Manual Integrations  
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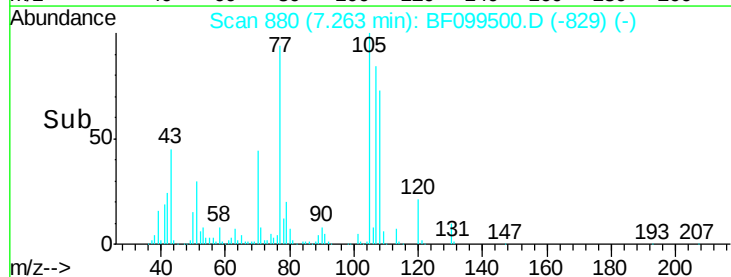
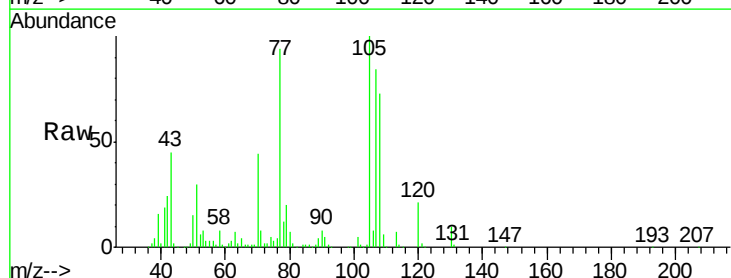
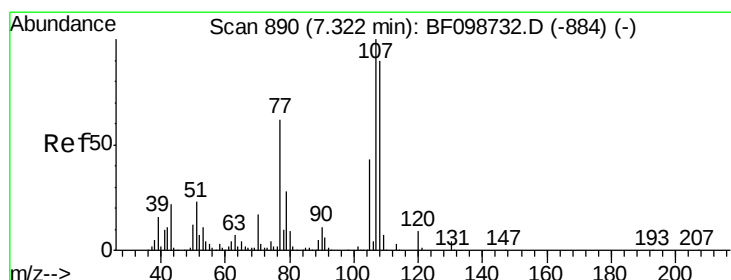
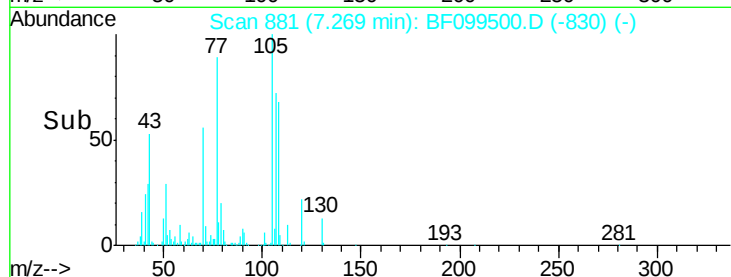
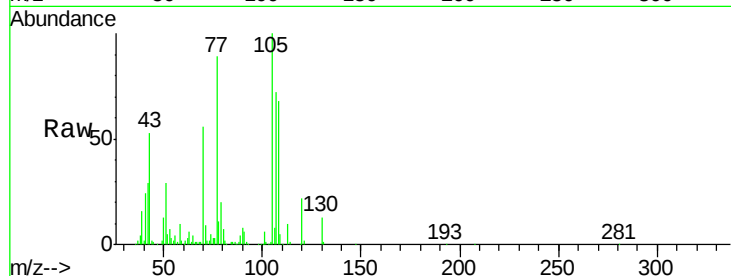
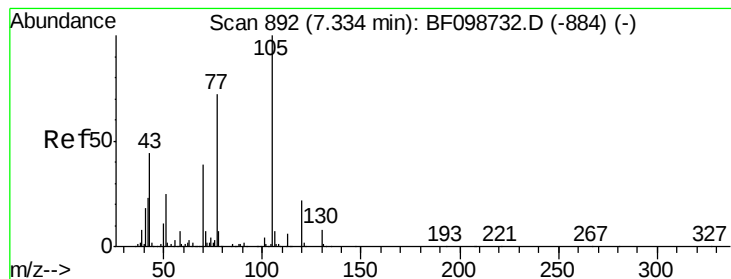
Sohil  
10/15/2017 12:41:29 PM



#18  
Hexachloroethane  
Concen: 34.65 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 102815 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 97.3  | 75.8  | 113.8  |
| 201       | 84.4  | 75.7  | 113.5  |





#19

n-Nitroso-di-n-propylamine

Concen: 31.82 ng

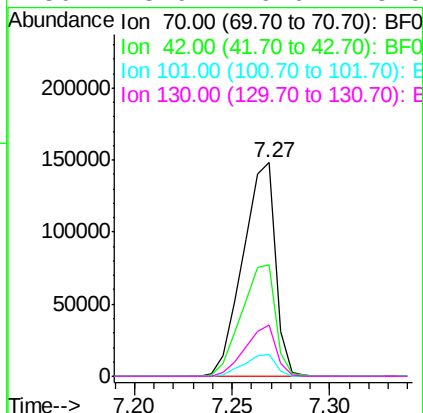
RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 70      | 100   | 171477 |       |       |
| 42      | 52.1  | 47.5   | 71.3  |       |
| 101     | 10.3  | 7.4    | 11.2  |       |
| 130     | 23.9  | 16.6   | 25.0  |       |



Instrument :

BNA\_F

ClientSampleId :

PB103194BS

Manual Integrations  
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#20

3+4-Methylphenols

Concen: 34.20 ng

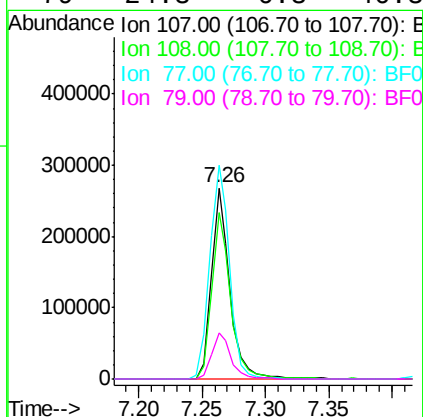
RT: 7.26 min Scan# 880

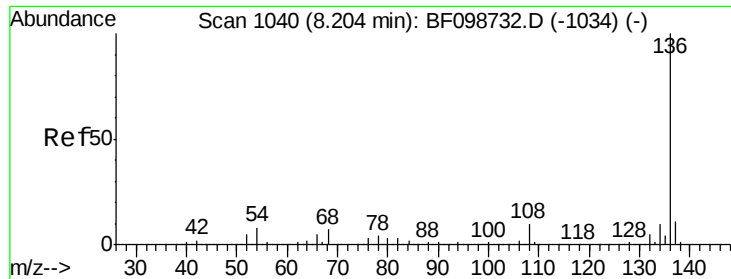
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 274323 |       |       |
| 108     | 87.1  | 68.2   | 108.2 |       |
| 77      | 111.9 | 26.7   | 66.7# |       |
| 79      | 24.3  | 6.3    | 46.3  |       |





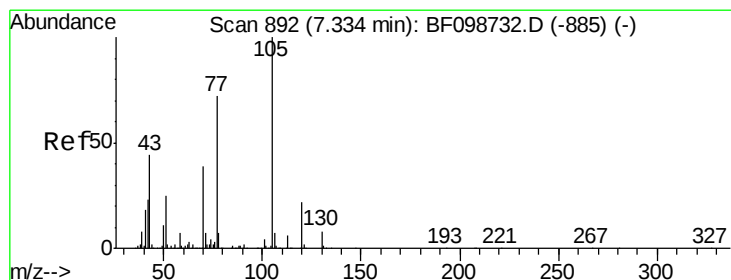
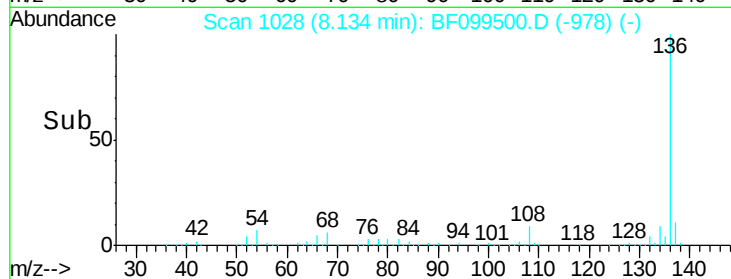
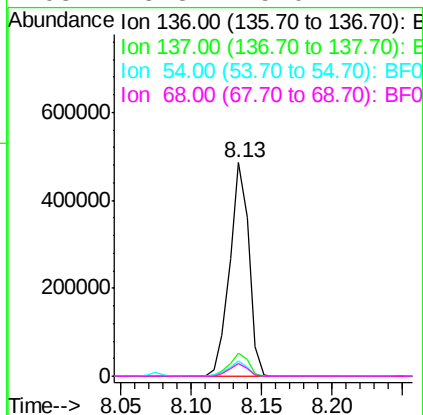
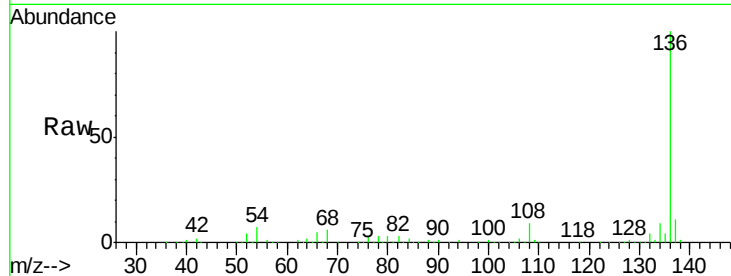
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 458362 |       |       |
| 137     | 11.1  | 8.9    | 13.3  |       |
| 54      | 7.5   | 6.6    | 9.8   |       |
| 68      | 5.8   | 5.0    | 7.4   |       |

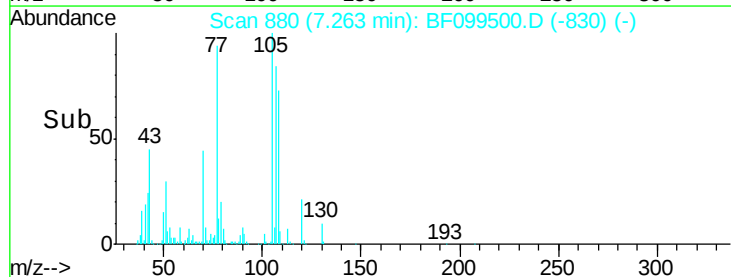
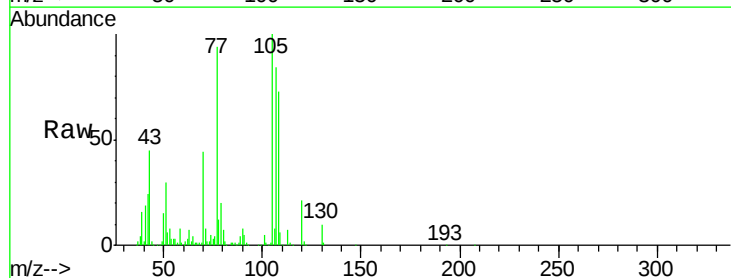
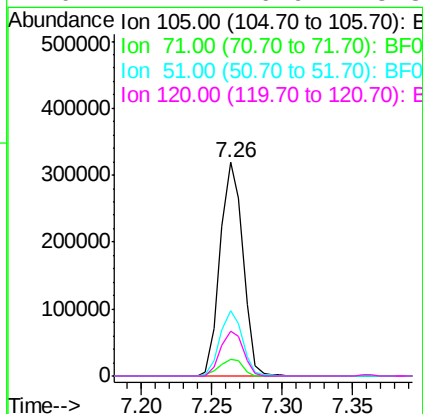
Manual Integrations  
APPROVED

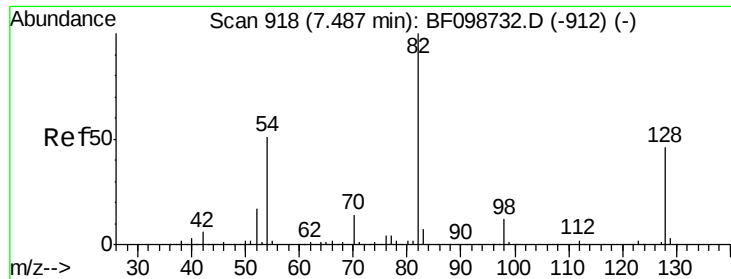
Sohil  
10/15/2017 12:41:29 PM



#22  
Acetophenone  
Concen: 32.32 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 358921 |       |       |
| 71      | 7.6   | 4.4    | 6.6#  |       |
| 51      | 30.5  | 22.3   | 33.5  |       |
| 120     | 21.1  | 16.9   | 25.3  |       |





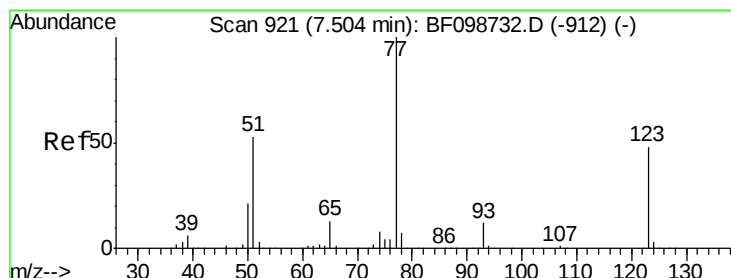
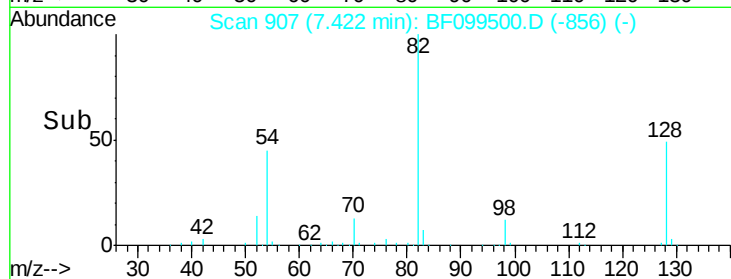
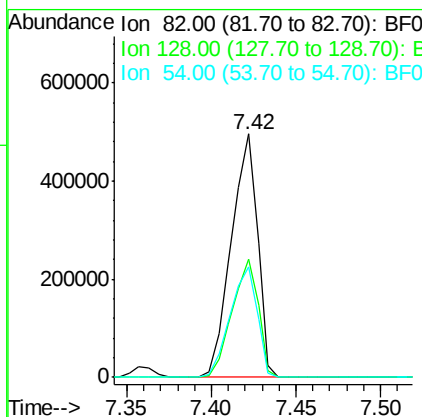
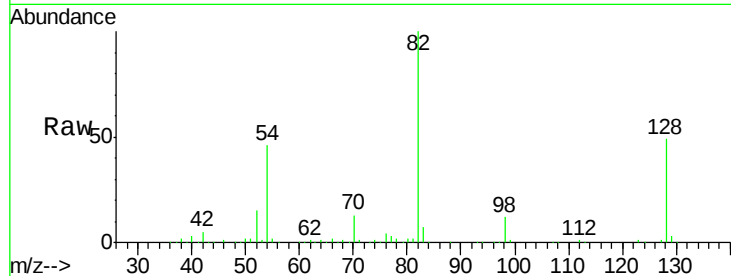
#23  
 Nitrobenzene-d5  
 Concen: 74.87 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 48.6  | 36.1       | 54.1       |
| 54      | 45.6  | 41.4       | 62.2       |

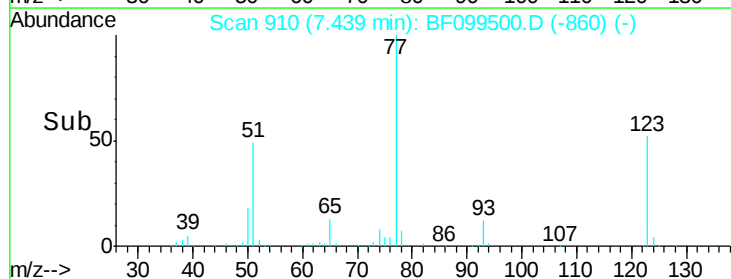
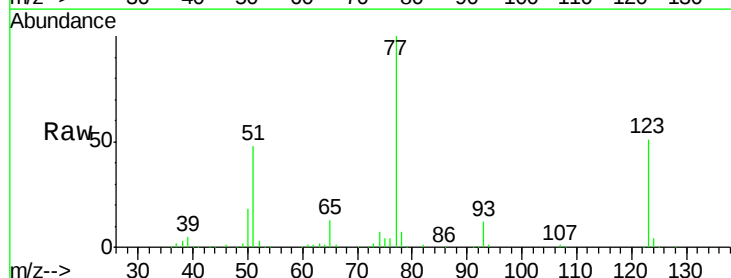
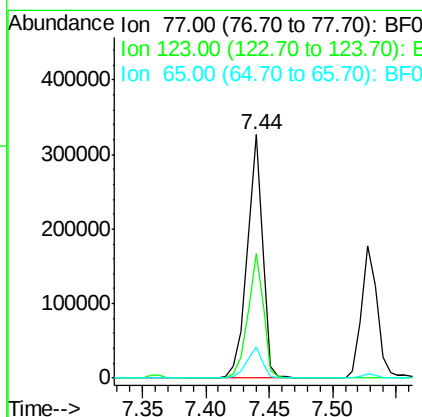
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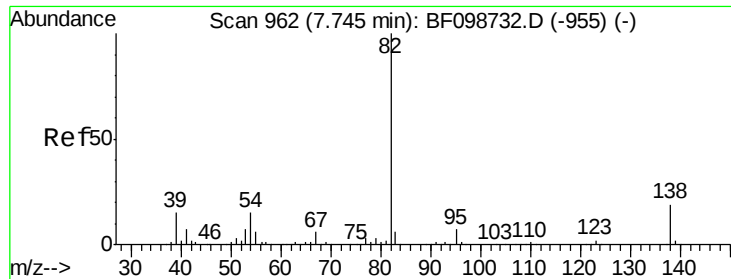
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#24  
 Nitrobenzene  
 Concen: 34.04 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 77      | 100   |            |            |
| 123     | 51.4  | 37.9       | 56.9       |
| 65      | 12.7  | 11.0       | 16.4       |





#25

Isophorone

Concen: 34.25 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

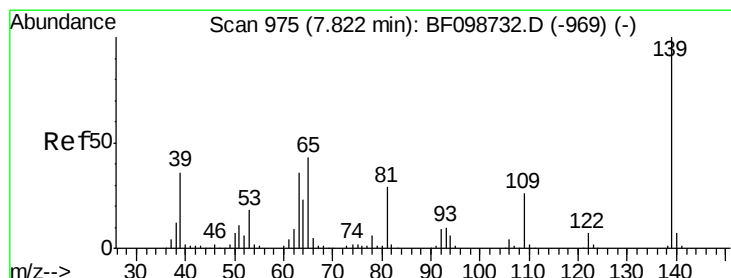
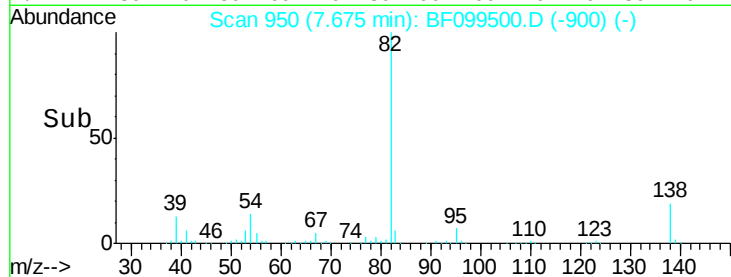
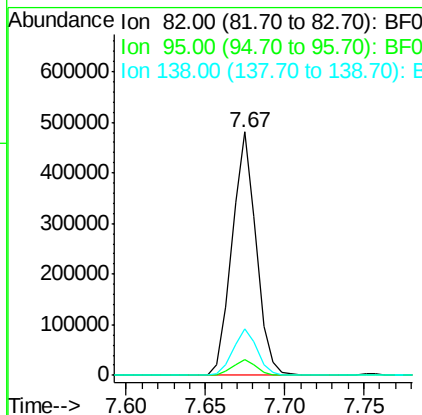
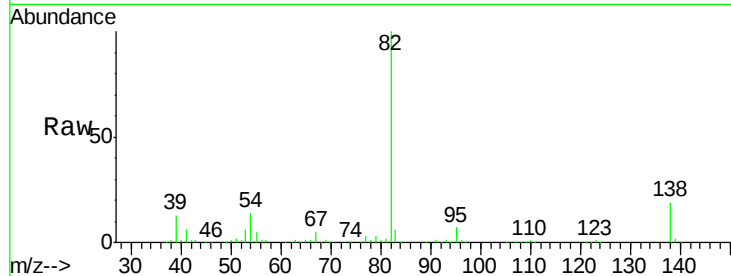
ClientSampleId :

PB103194BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 82   | Resp: | 506102 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 6.7  | 5.2   | 7.8    |
| 138       | 19.3 | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 39.41 ng

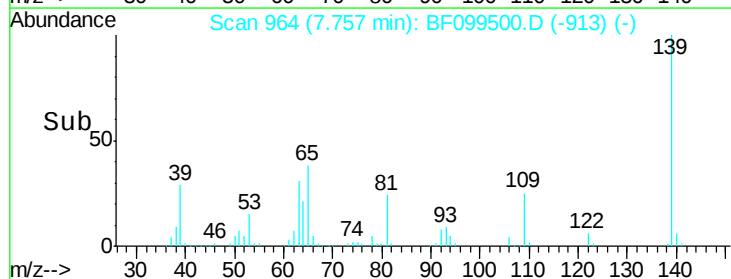
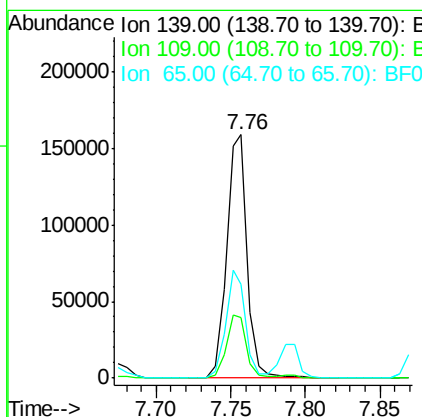
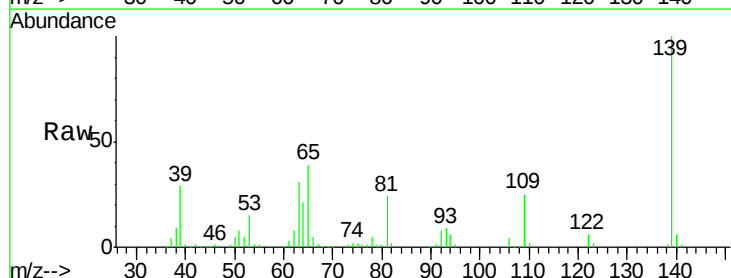
RT: 7.76 min Scan# 964

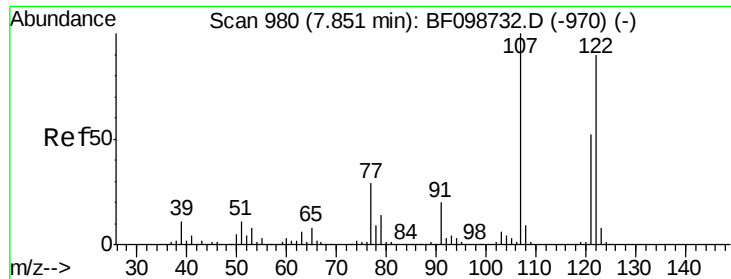
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 139  | Resp: | 153672 |
| Ion Ratio |      | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 24.9 | 22.7  | 34.1   |
| 65        | 38.6 | 40.5  | 60.7#  |





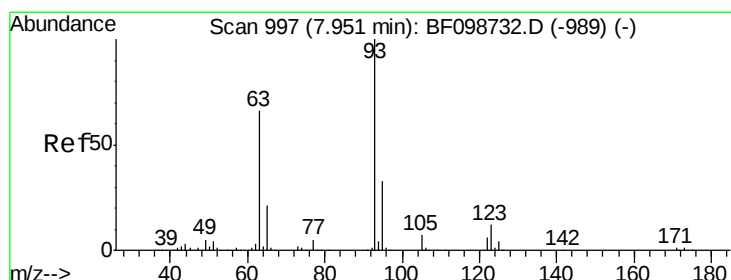
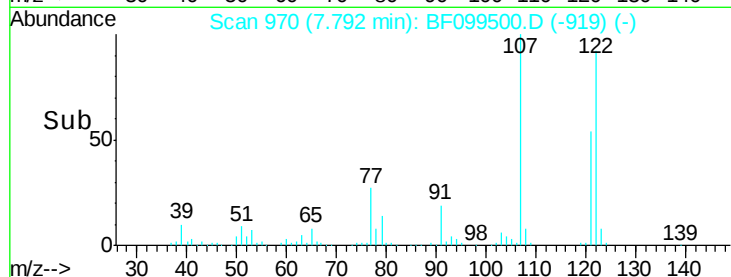
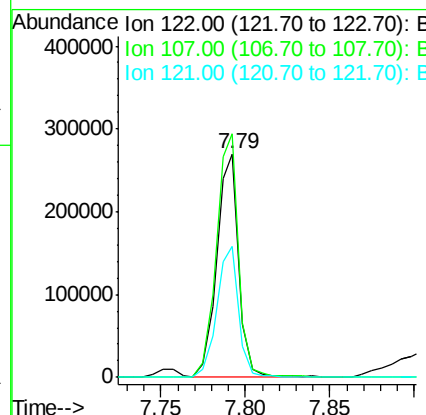
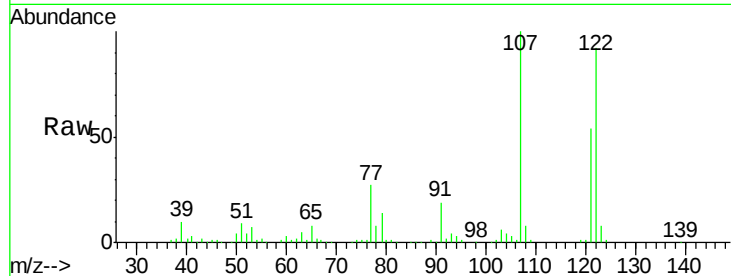
#27  
 2,4-Dimethylphenol  
 Concen: 32.92 ng  
 RT: 7.79 min Scan# 970  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 242401 |       |       |
| 107     | 109.0 | 91.2   | 136.8 |       |
| 121     | 58.7  | 47.2   | 70.8  |       |

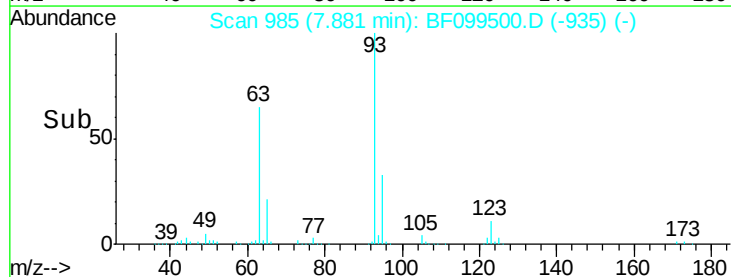
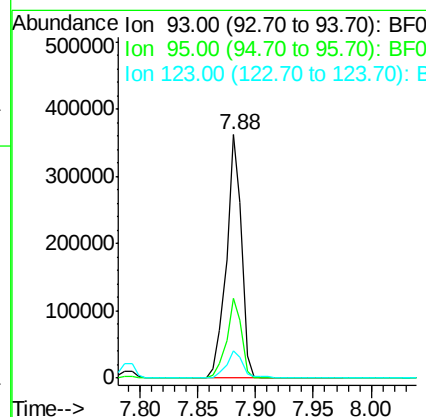
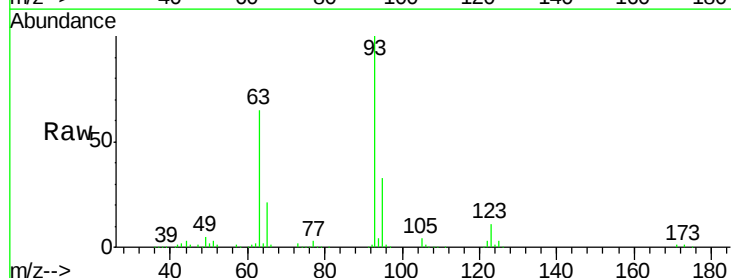
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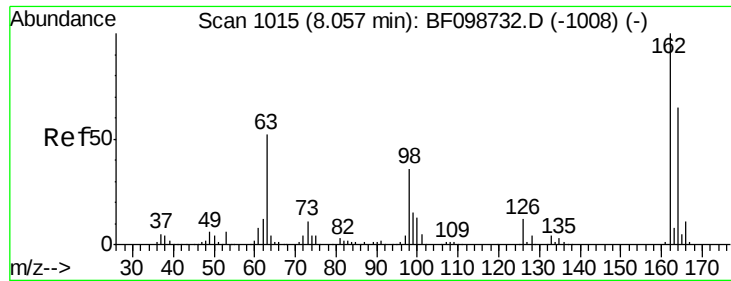
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 35.60 ng  
 RT: 7.88 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 327855 |       |       |
| 95      | 32.7  | 26.3   | 39.5  |       |
| 123     | 11.2  | 9.8    | 14.6  |       |





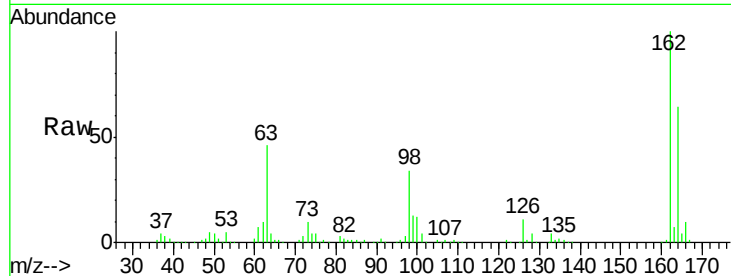
#29  
 2,4-Dichlorophenol  
 Concen: 36.35 ng  
 RT: 8.00 min Scan# 1005  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

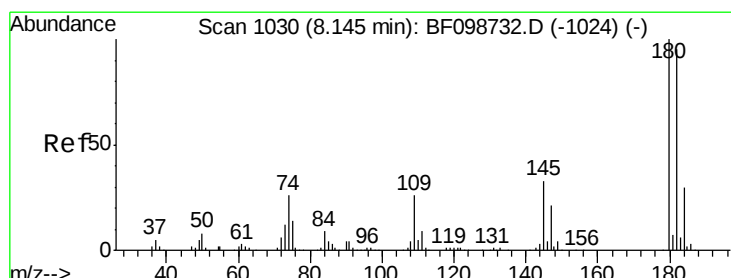
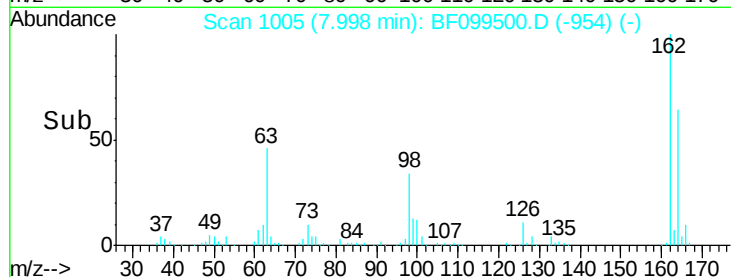
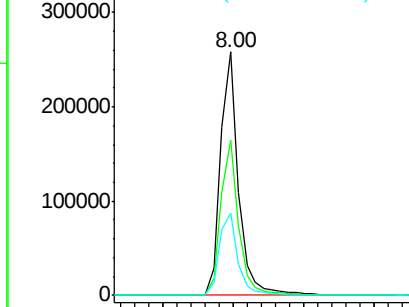
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 64.0  | 42.7       | 82.7       |
| 98      | 34.0  | 18.1       | 58.1       |

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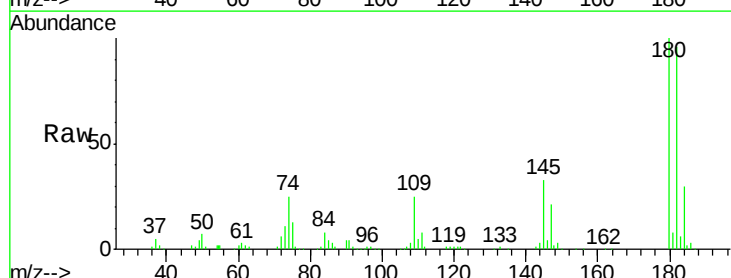


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BFO

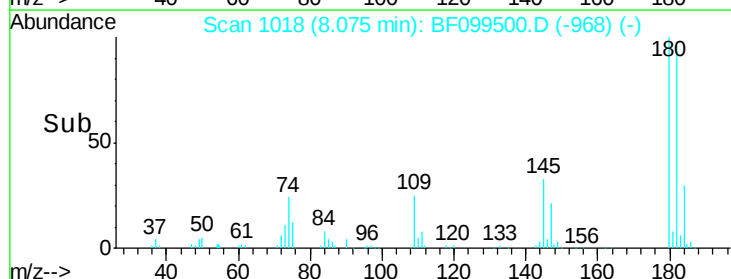
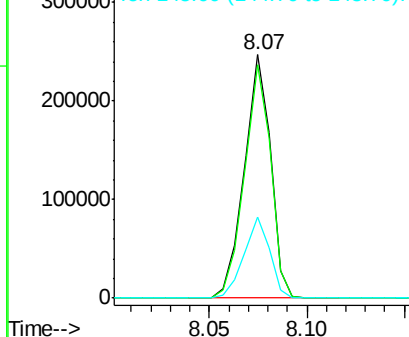


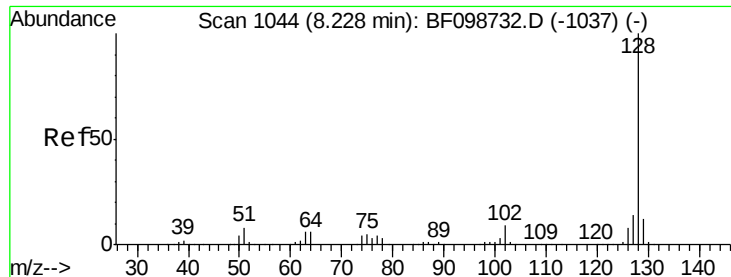
#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.47 ng  
 RT: 8.07 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
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| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.7  | 76.8       | 115.2      |
| 145     | 33.2  | 26.5       | 39.7       |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





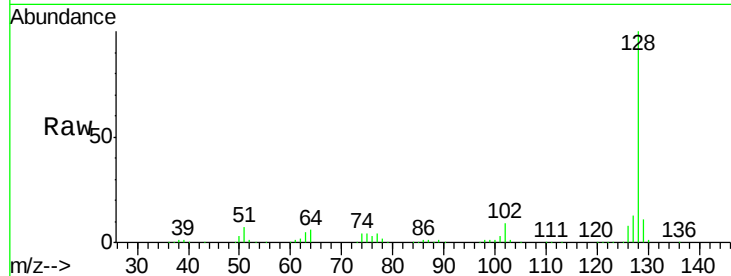
#31  
Naphthalene  
Concen: 36.10 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

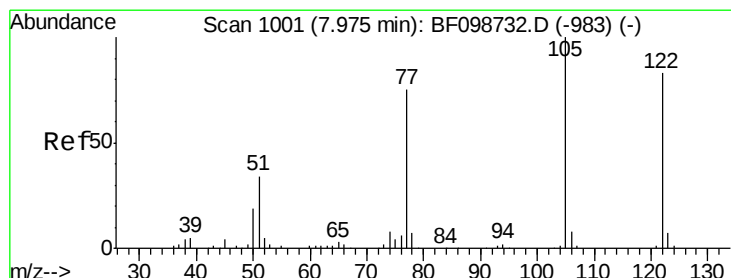
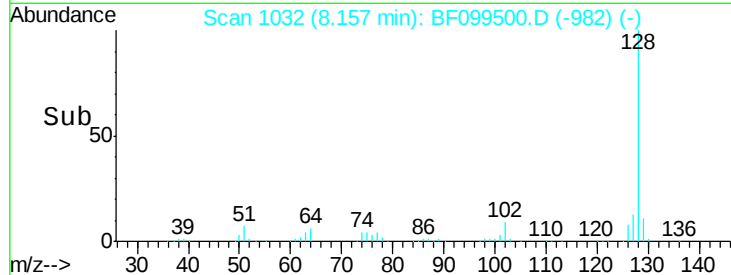
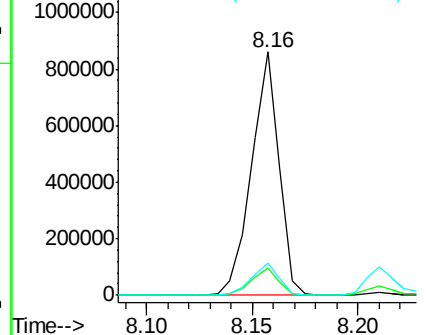
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 128     | 100   |            |            |
| 129     | 11.1  | 8.8        | 13.2       |
| 127     | 13.4  | 10.9       | 16.3       |

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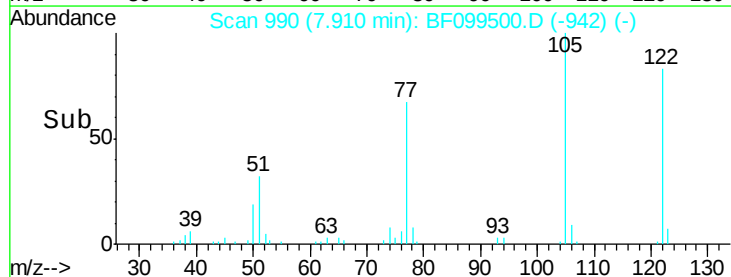
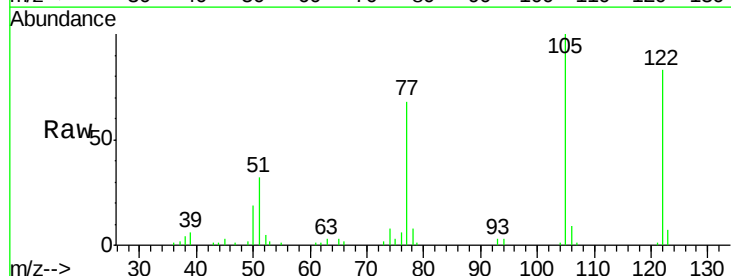
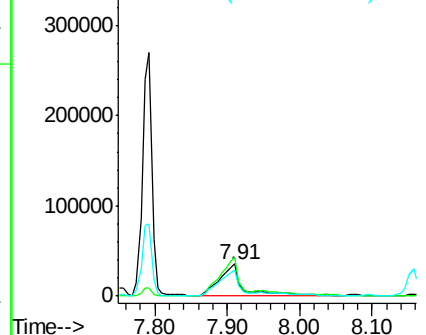
Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 13.90 ng m  
RT: 7.91 min Scan# 990  
Delta R.T. -0.02 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 122     | 100   |            |            |
| 105     | 120.1 | 101.1      | 141.1      |
| 77      | 81.1  | 70.7       | 110.7      |

Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0





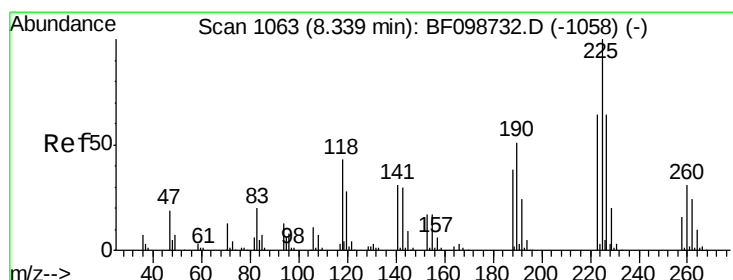
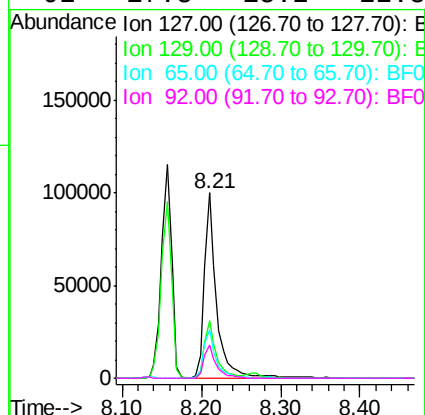
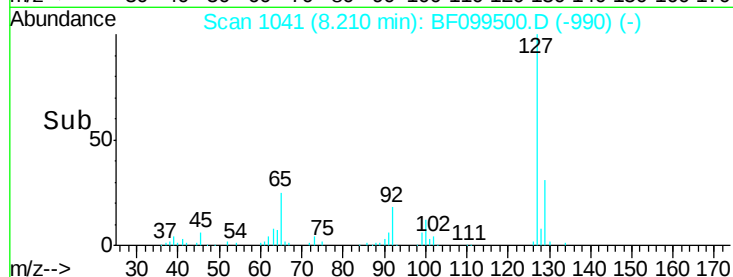
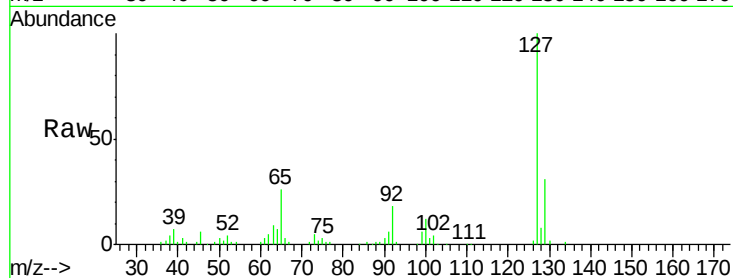
#33  
4-Chloroaniline  
Concen: 12.26 ng  
RT: 8.21 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 127     | 100   | 110191 |       |       |
| 129     | 31.3  | 25.9   | 38.9  |       |
| 65      | 26.1  | 25.0   | 37.4  |       |
| 92      | 17.8  | 15.2   | 22.8  |       |

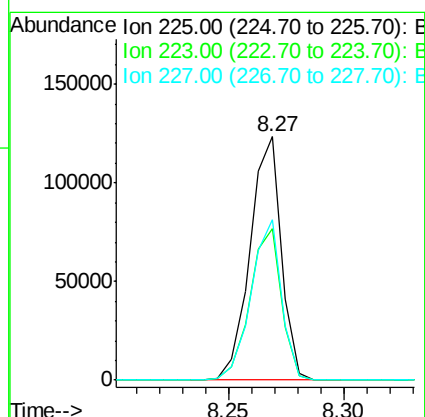
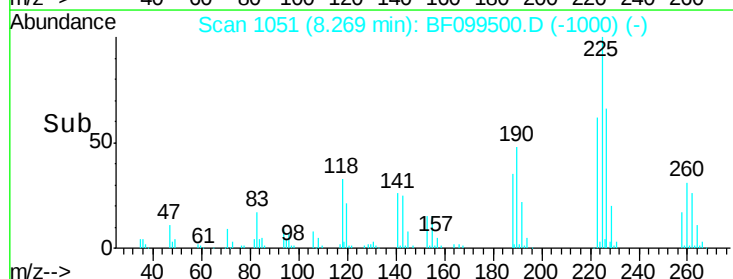
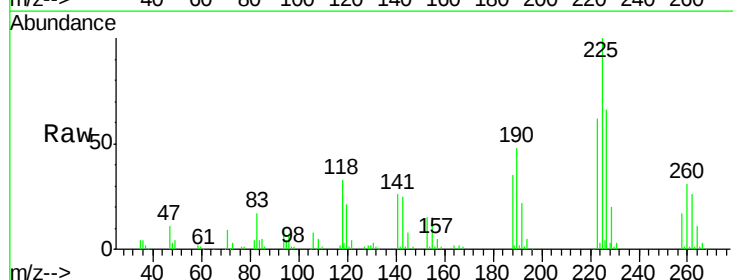
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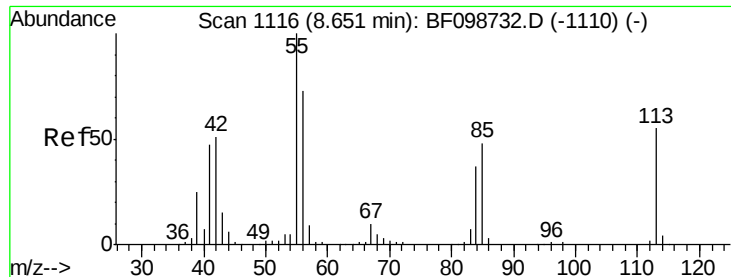
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#34  
Hexachlorobutadiene  
Concen: 35.89 ng  
RT: 8.27 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 116883 |       |       |
| 223     | 62.1  | 50.6   | 76.0  |       |
| 227     | 66.1  | 51.9   | 77.9  |       |





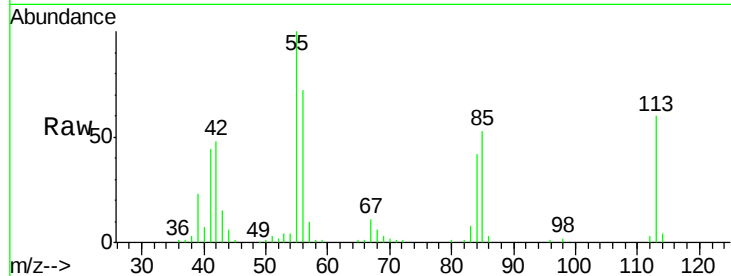
#35  
 Caprolactam  
 Concen: 34.44 ng m  
 RT: 8.59 min Scan# 1105  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB103194BS

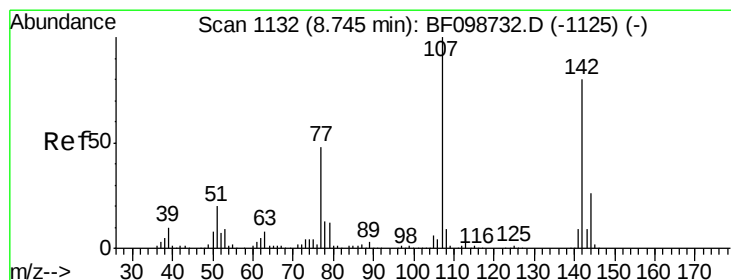
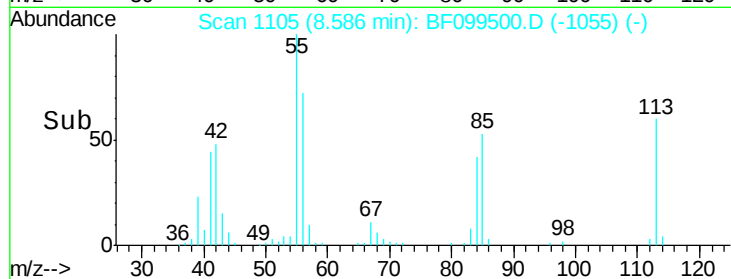
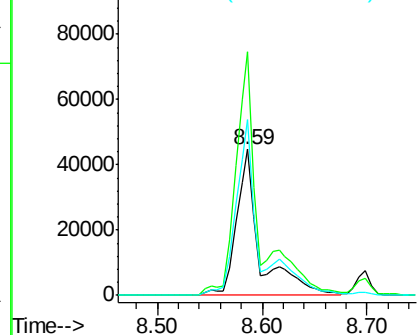
Tgt Ion:113 Resp: 69848  
 Ion Ratio Lower Upper  
 113 100  
 55 166.9 163.3 203.3  
 56 120.2 115.7 155.7

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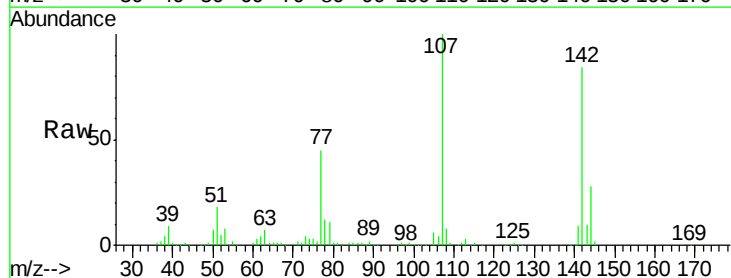


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

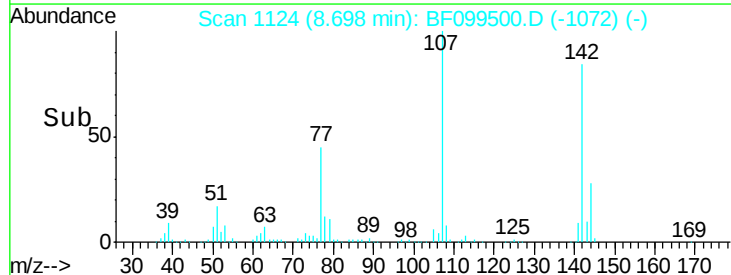
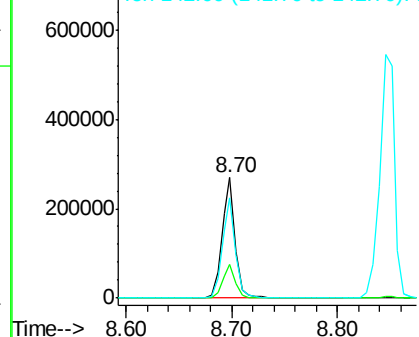


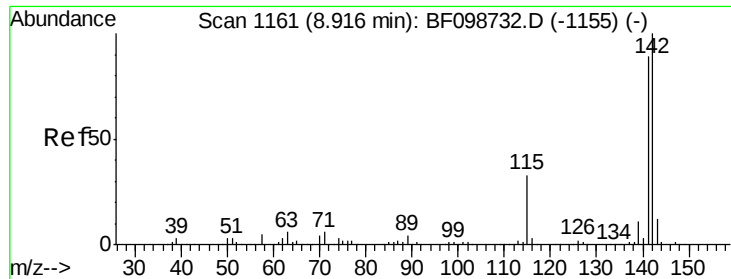
#36  
 4-Chloro-3-methylphenol  
 Concen: 33.28 ng  
 RT: 8.70 min Scan# 1124  
 Delta R.T. 0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Tgt Ion:107 Resp: 236440  
 Ion Ratio Lower Upper  
 107 100  
 144 27.9 20.5 30.7  
 142 83.6 62.0 93.0



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





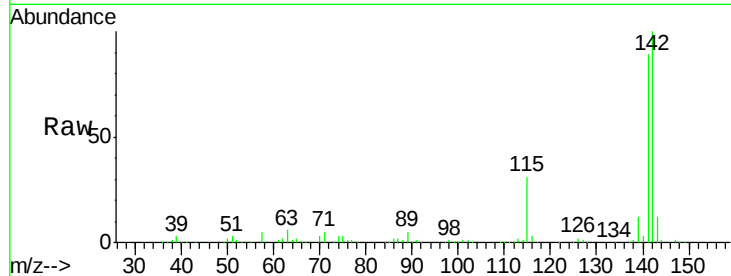
#37  
2-Methylnaphthalene  
Concen: 38.54 ng  
RT: 8.85 min Scan# 1149  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

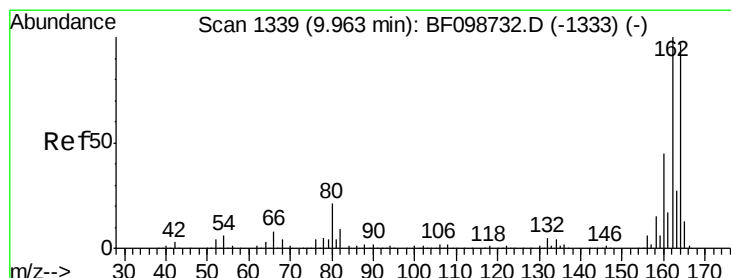
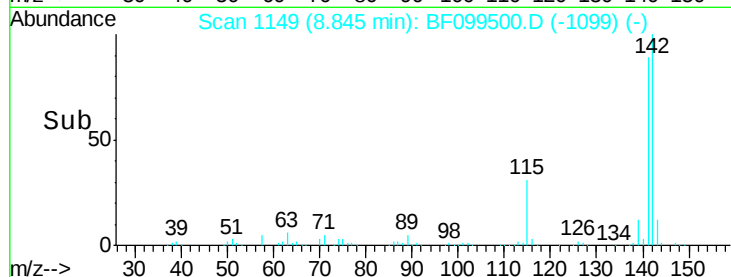
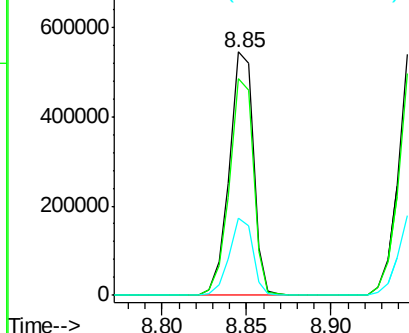
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 70.8  | 106.2 |
| 115     | 31.5  | 26.1  | 39.1  |

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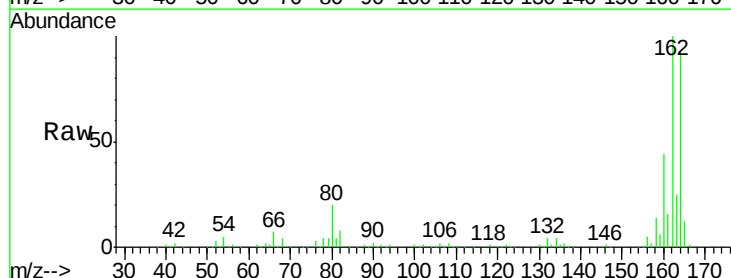


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

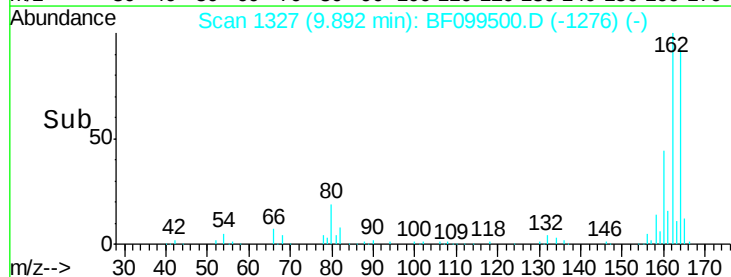
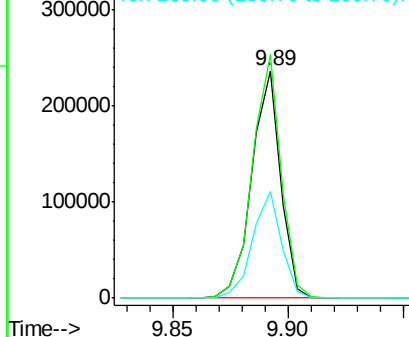


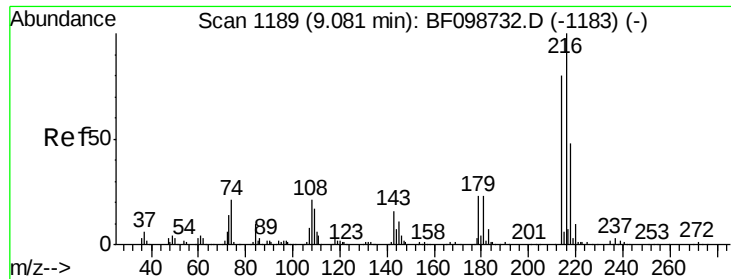
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.0 | 86.1  | 129.1 |
| 160     | 47.1  | 38.3  | 57.5  |



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





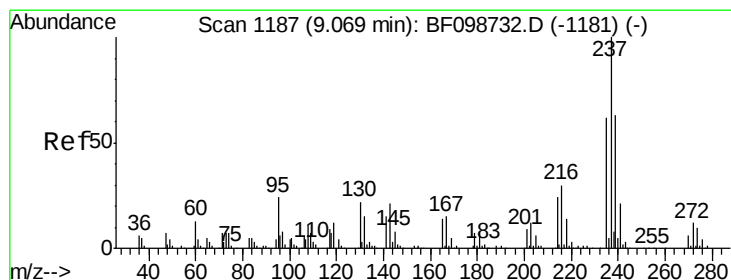
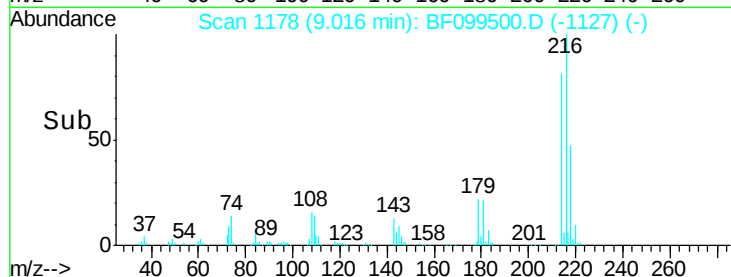
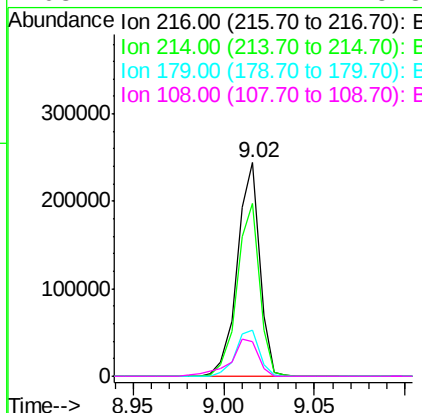
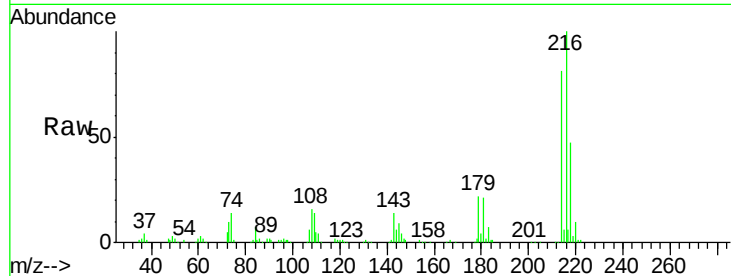
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 34.26 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 210360 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 81.1  | 63.0  | 94.4   |
| 179       | 22.8  | 18.1  | 27.1   |
| 108       | 21.2  | 17.2  | 25.8   |

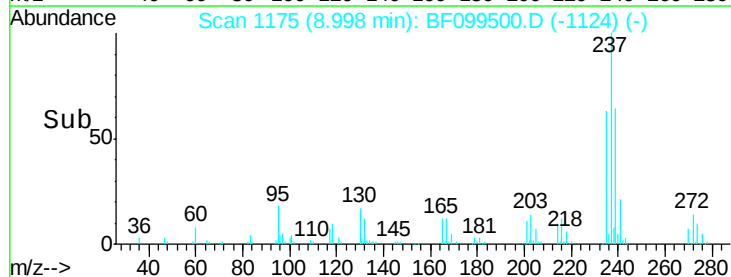
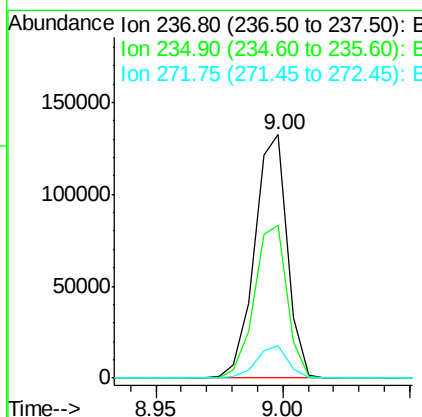
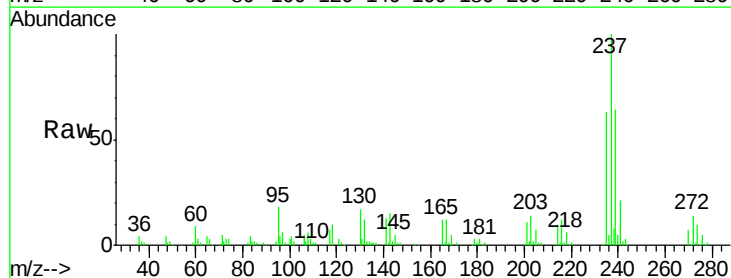
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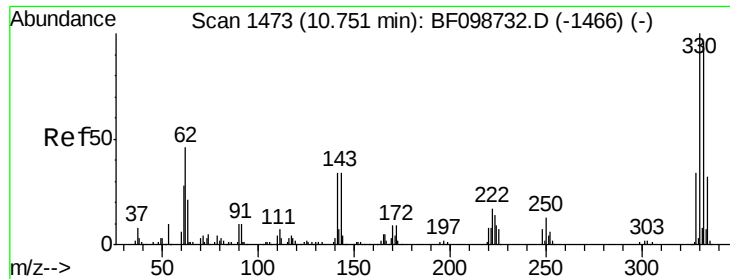
Sohil  
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#40  
 Hexachlorocyclopentadiene  
 Concen: 42.39 ng  
 RT: 9.00 min Scan# 1175  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 118933 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.8  | 44.8  | 84.8   |
| 272       | 13.6  | 0.0   | 33.3   |





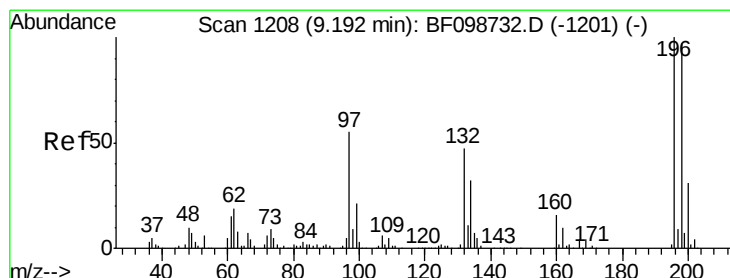
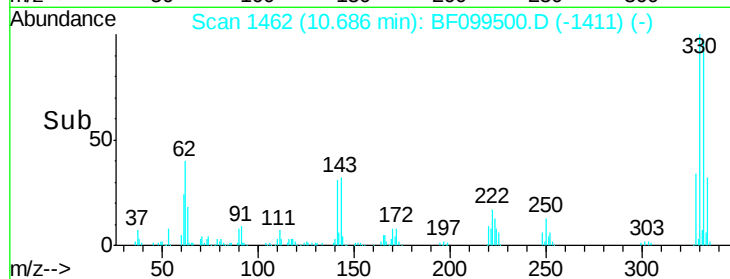
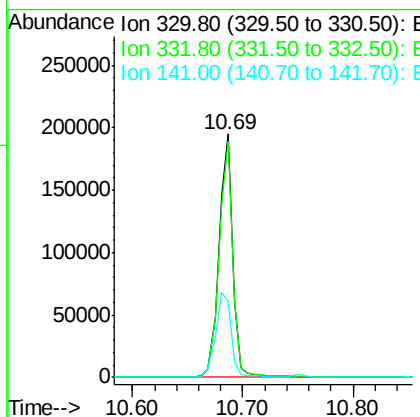
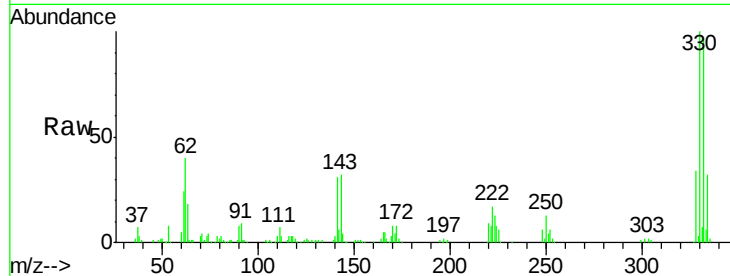
#41  
 2,4,6-Tribromophenol  
 Concen: 101.28 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 170610 |       |       |
| 332     | 97.4  | 77.0   | 115.6 |       |
| 141     | 38.9  | 29.9   | 44.9  |       |

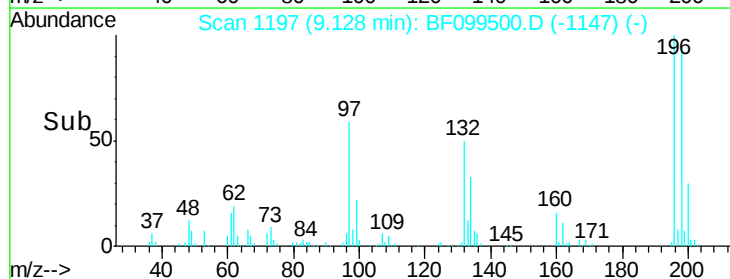
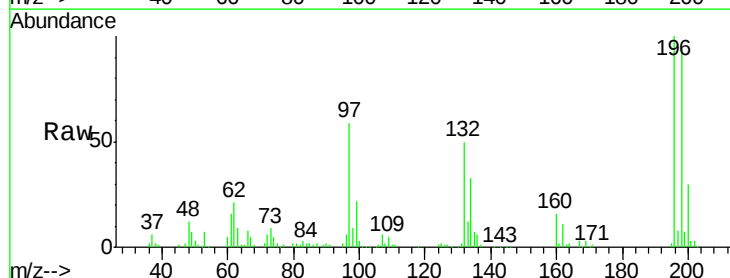
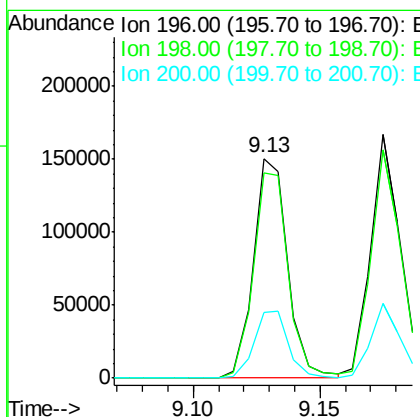
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#42  
 2,4,6-Trichlorophenol  
 Concen: 32.44 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 141105 |       |       |
| 198     | 93.6  | 75.7   | 113.5 |       |
| 200     | 29.8  | 24.5   | 36.7  |       |





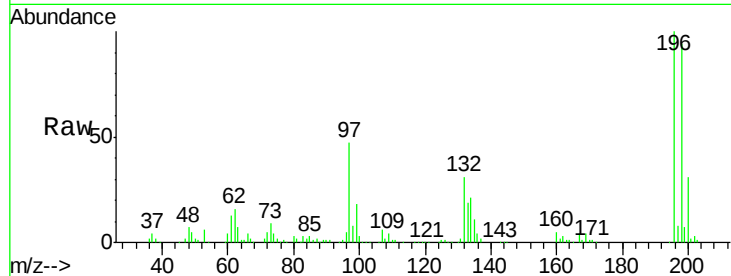
#43  
 2,4,5-Trichlorophenol  
 Concen: 33.83 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

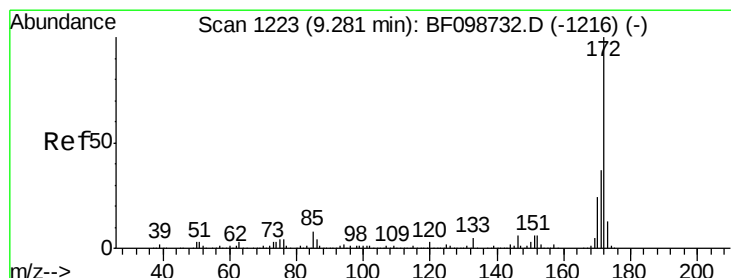
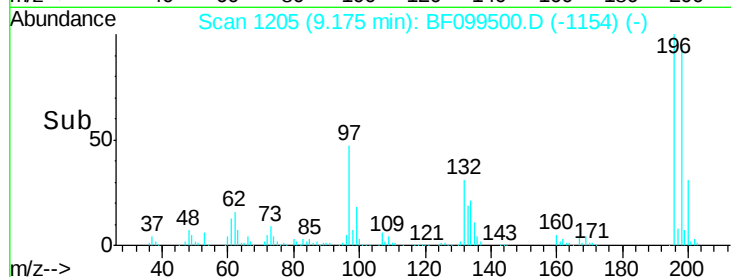
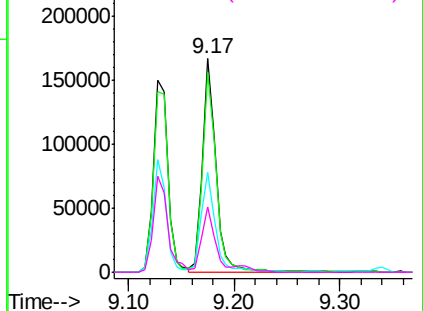
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 146891 |       |       |
| 198     | 93.7  | 74.6   | 112.0 |       |
| 97      | 47.0  | 42.9   | 64.3  |       |
| 132     | 30.6  | 26.3   | 39.5  |       |

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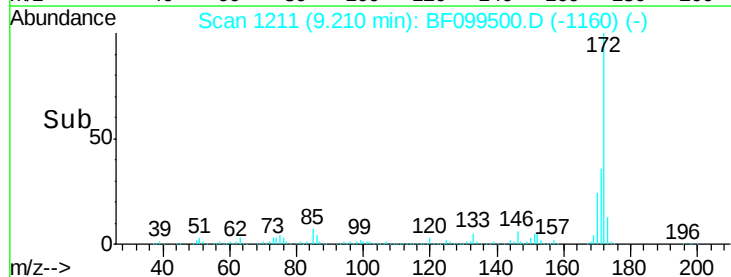
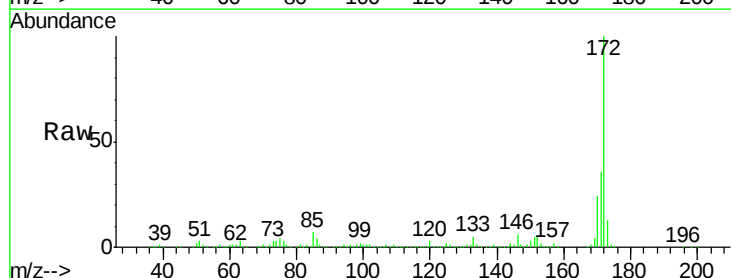
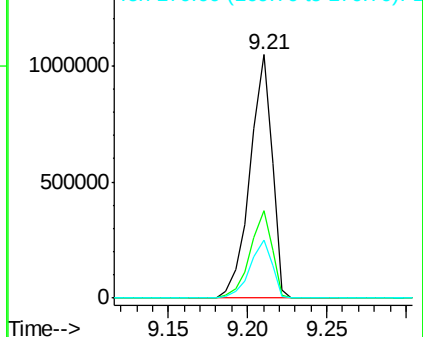
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

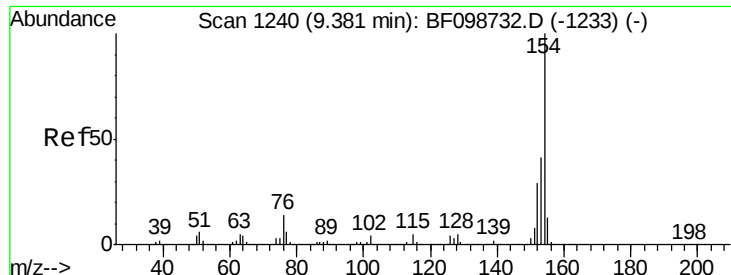


#44  
 2-Fluorobiphenyl  
 Concen: 82.01 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1011303 |       |       |
| 171     | 36.1  | 29.7    | 44.5  |       |
| 170     | 23.9  | 19.6    | 29.4  |       |

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





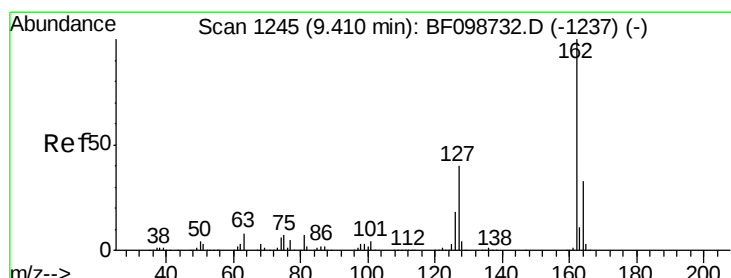
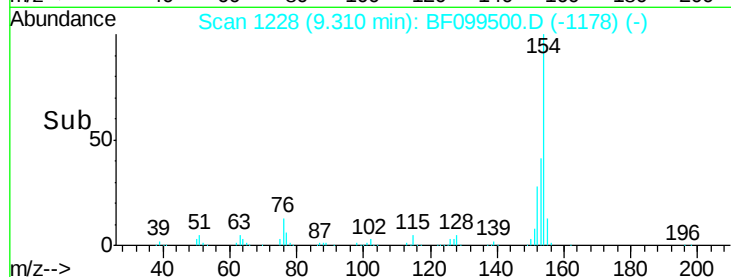
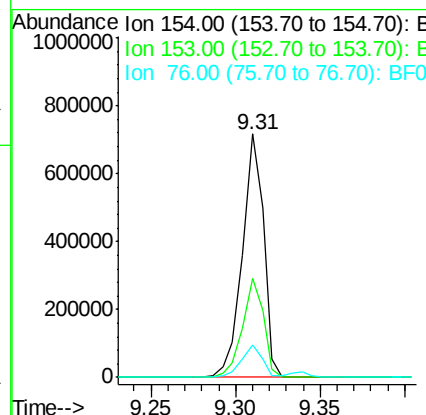
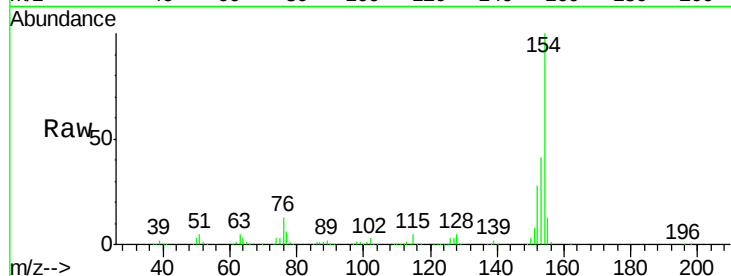
#45  
1,1'-Biphenyl  
Concen: 35.41 ng  
RT: 9.31 min Scan# 1228  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampled :  
PB103194BS

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 154     | 100   |            |       |
| 153     | 40.7  | 21.3       | 61.3  |
| 76      | 13.1  | 0.0        | 34.0  |

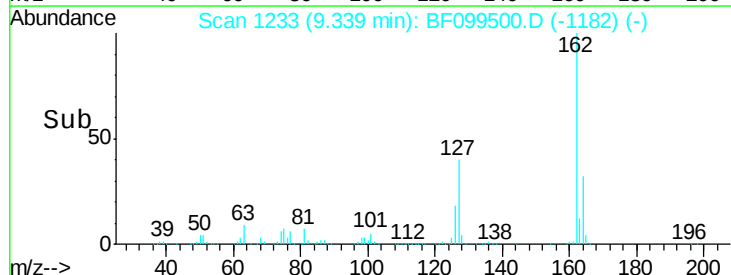
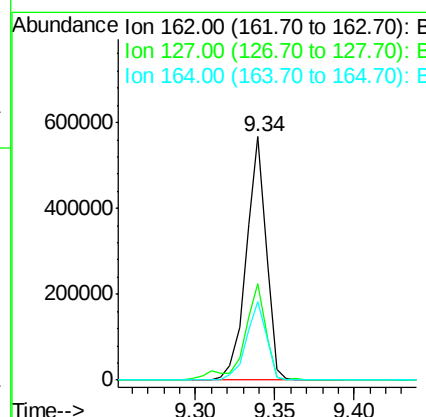
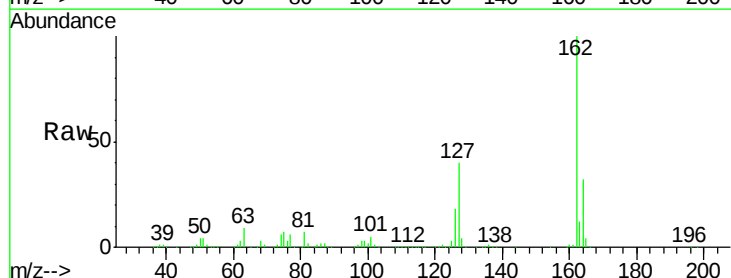
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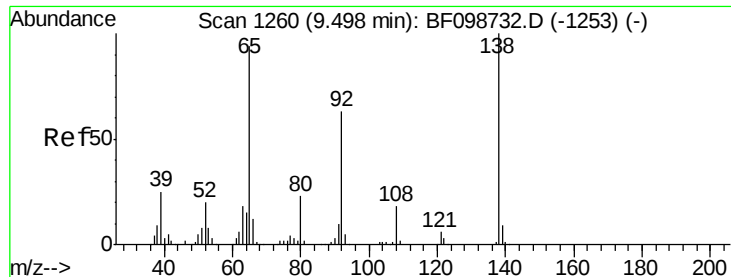
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#46  
2-Chloronaphthalene  
Concen: 36.88 ng  
RT: 9.34 min Scan# 1233  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 127     | 39.5  | 33.9       | 50.9  |
| 164     | 32.4  | 26.5       | 39.7  |





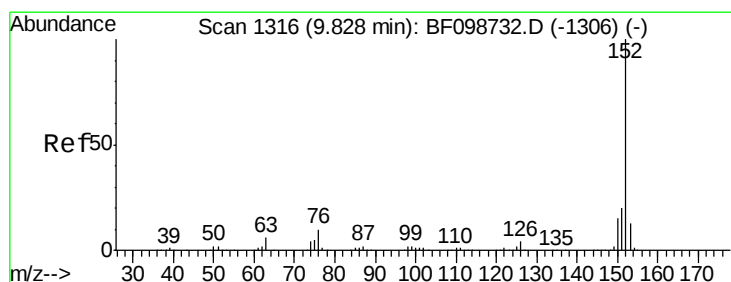
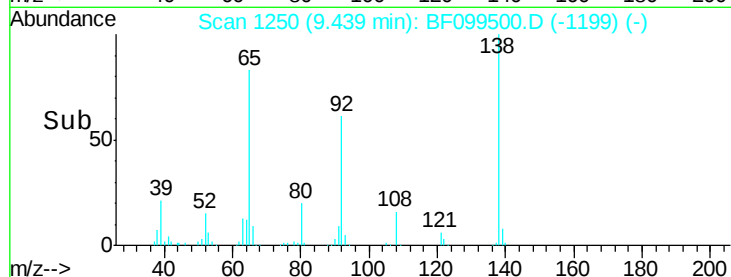
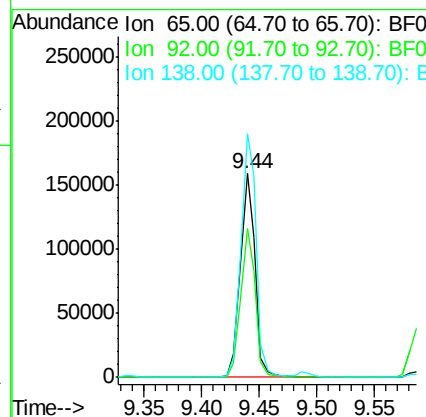
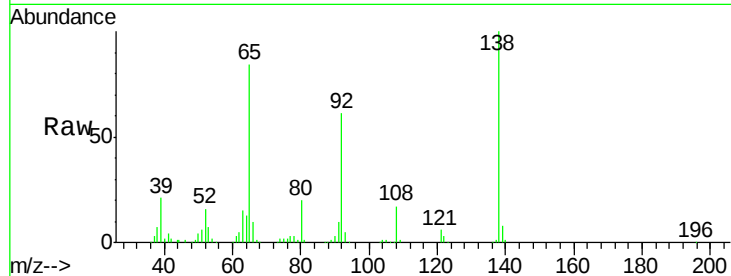
#47  
2-Nitroaniline  
Concen: 34.27 ng  
RT: 9.44 min Scan# 1250  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 139403 |       |       |
| 92      | 72.8  | 55.8   | 83.6  |       |
| 138     | 119.5 | 91.2   | 136.8 |       |

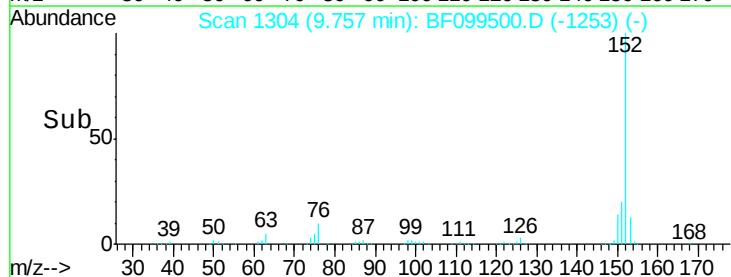
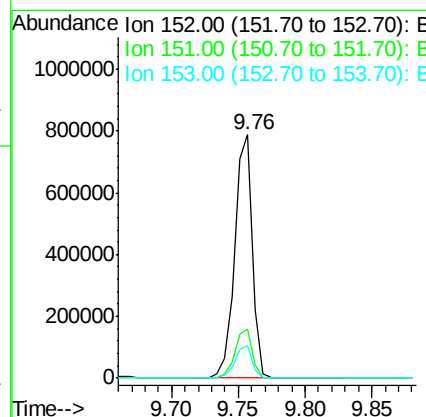
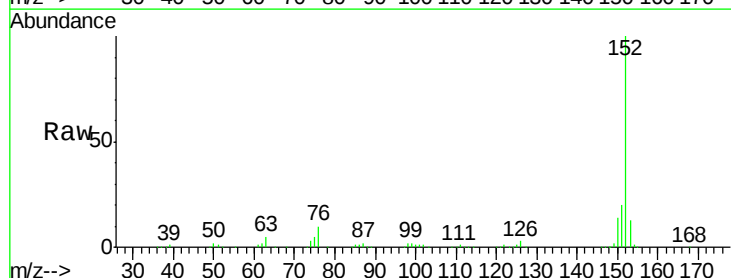
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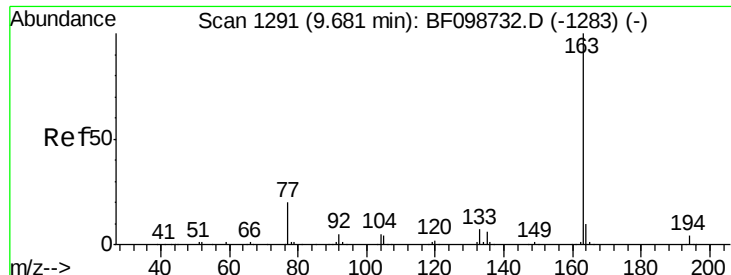
Sohil  
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#48  
Acenaphthylene  
Concen: 36.17 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 735517 |       |       |
| 151     | 20.0  | 16.3   | 24.5  |       |
| 153     | 13.2  | 10.7   | 16.1  |       |





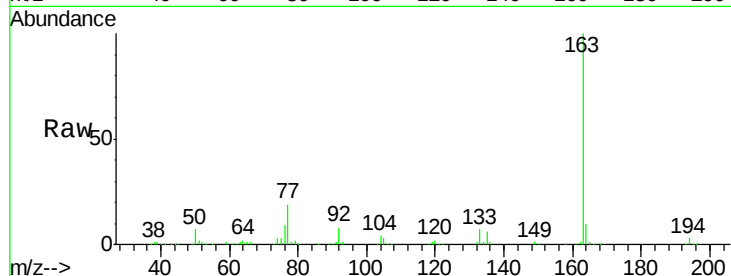
#49  
Dimethylphthalate  
Concen: 36.67 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

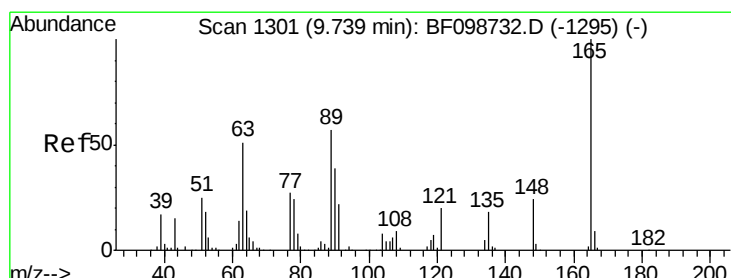
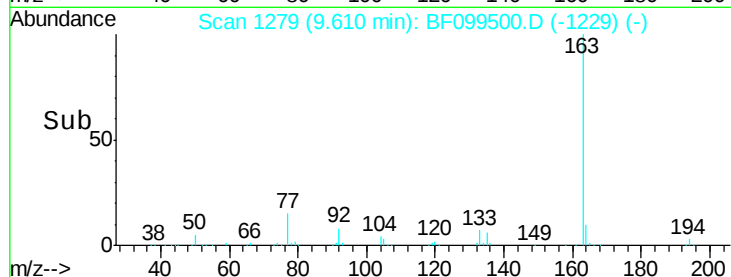
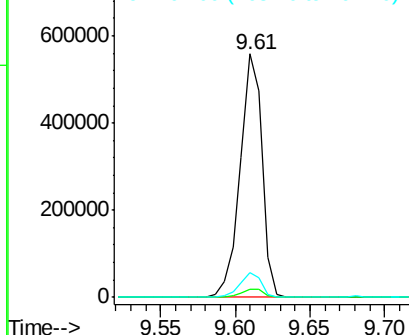
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.3   | 2.7        | 4.1        |
| 164     | 10.0  | 8.2        | 12.2       |

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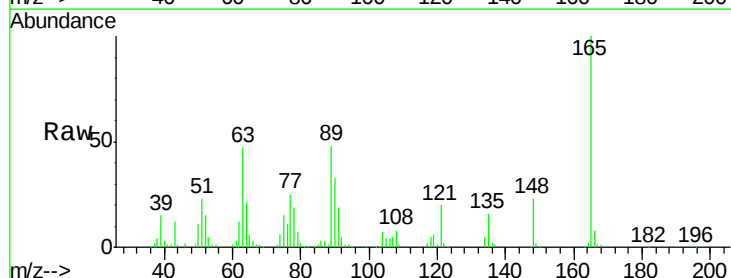


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

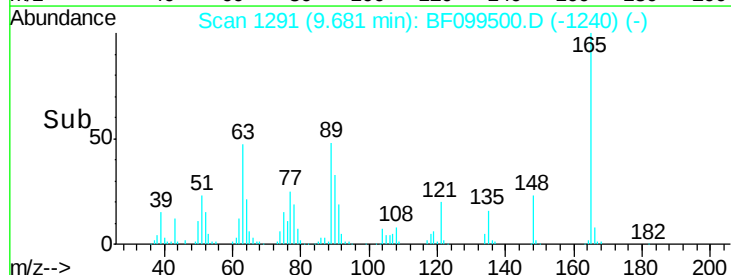
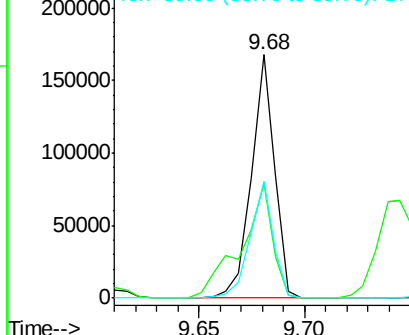


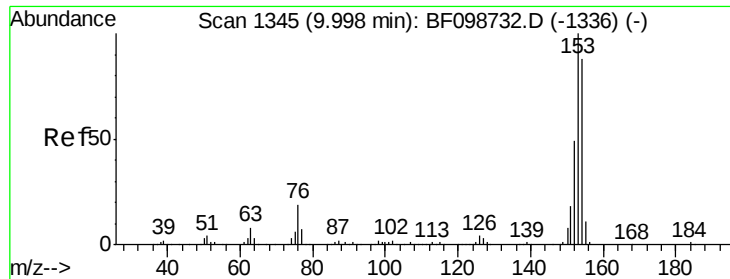
#50  
2,6-Dinitrotoluene  
Concen: 37.75 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 46.9  | 44.7       | 67.1       |
| 89      | 48.3  | 44.0       | 66.0       |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 33.55 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

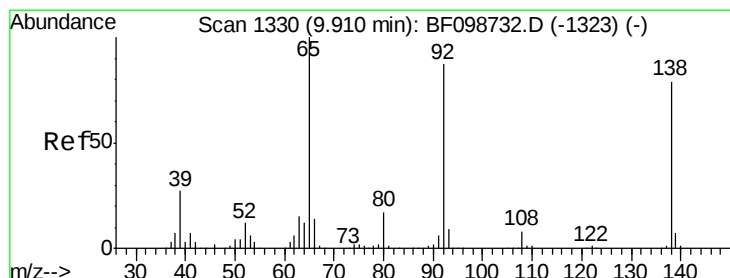
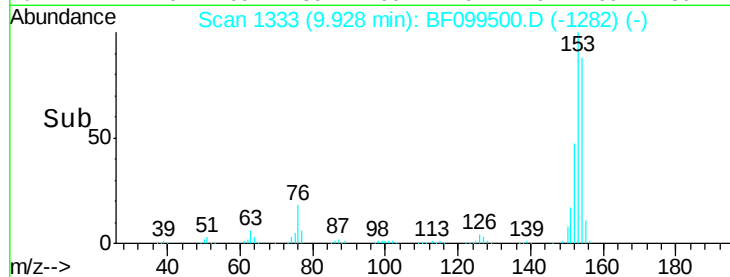
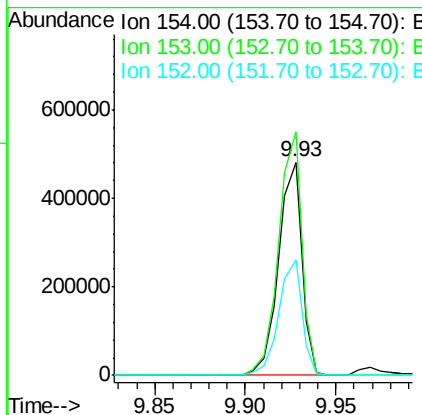
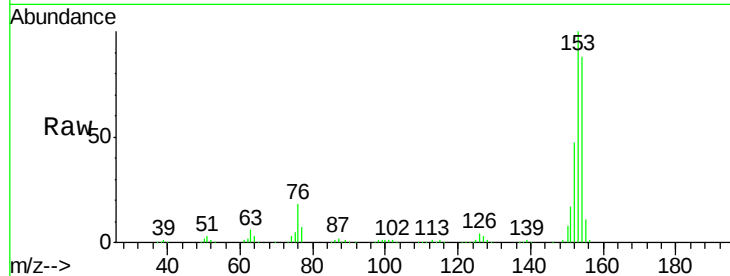
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 432261 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.1 | 91.2  | 136.8  |
| 152       | 54.2  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 21.57 ng

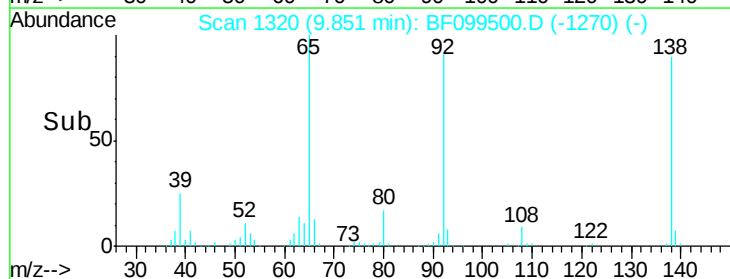
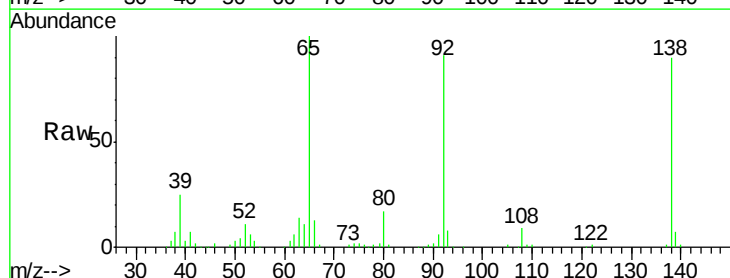
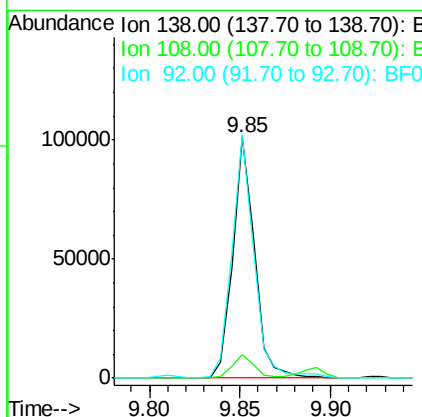
RT: 9.85 min Scan# 1320

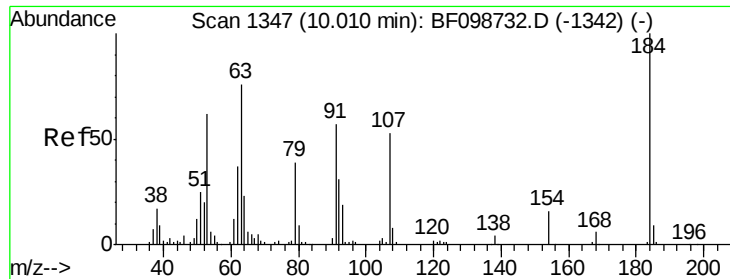
Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 85095 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.9   | 9.4   | 14.0  |
| 92        | 101.1 | 89.4  | 134.2 |





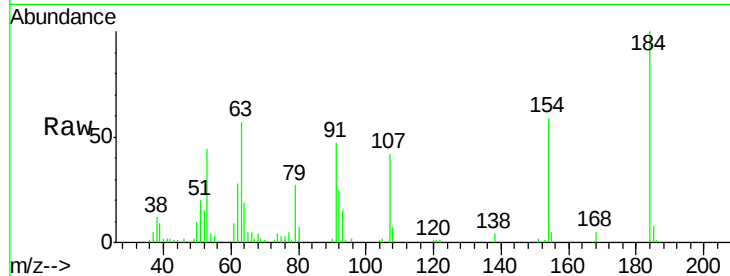
#53  
2,4-Dinitrophenol  
Concen: 23.55 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

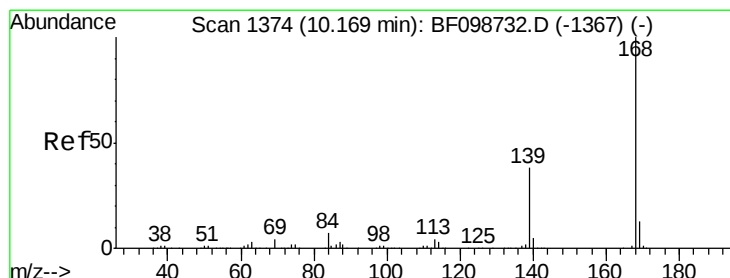
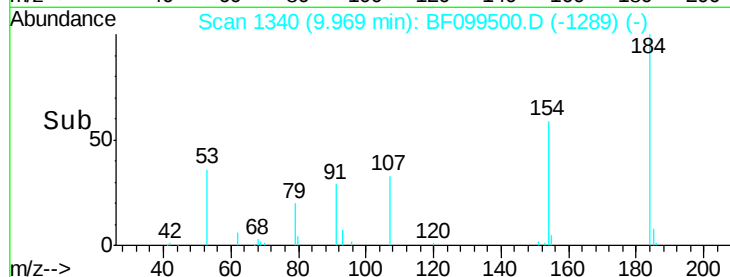
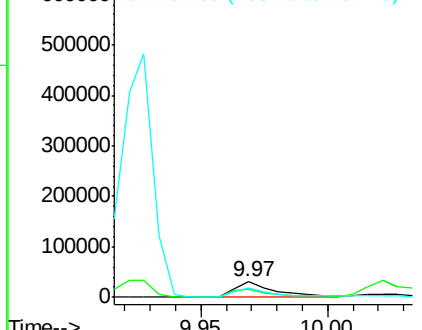
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 33664 |       |       |
| 63      | 56.8  | 54.2  | 81.2  |       |
| 154     | 59.2  | 53.5  | 80.3  |       |

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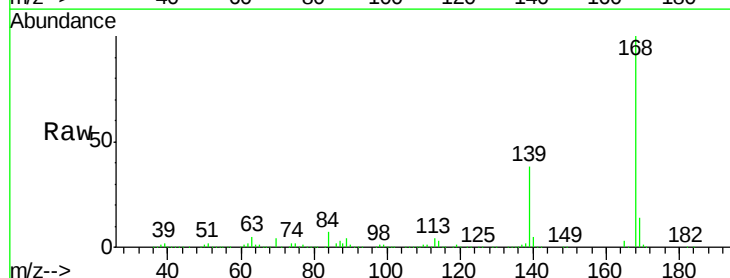


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

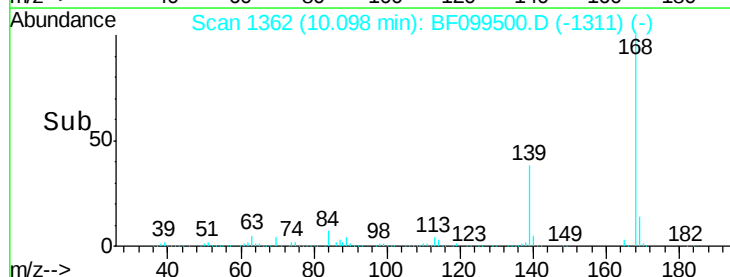
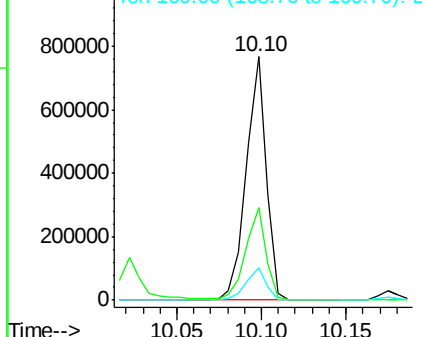


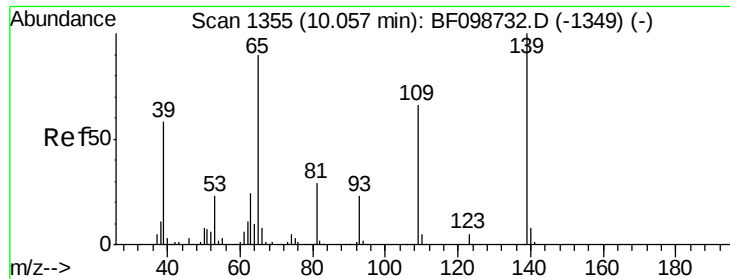
#54  
Dibenzofuran  
Concen: 37.22 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 638447 |       |       |
| 139     | 37.8  | 30.1   | 45.1  |       |
| 169     | 13.5  | 10.9   | 16.3  |       |



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





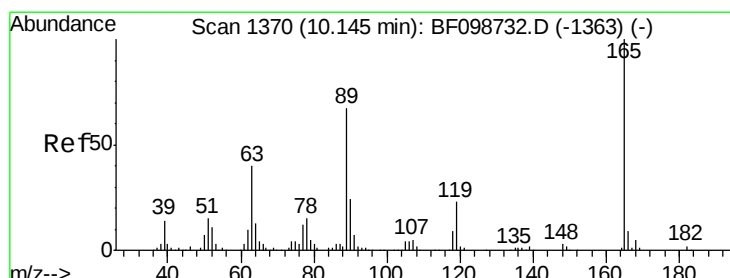
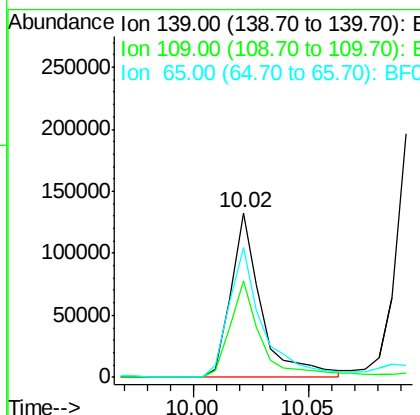
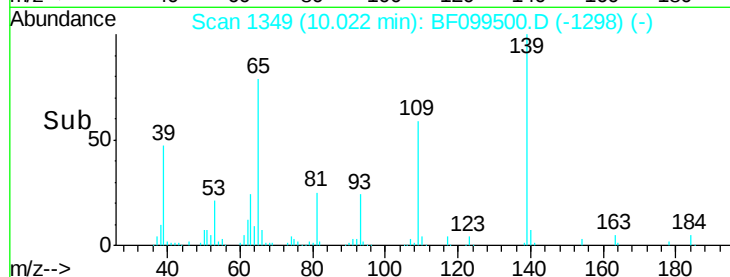
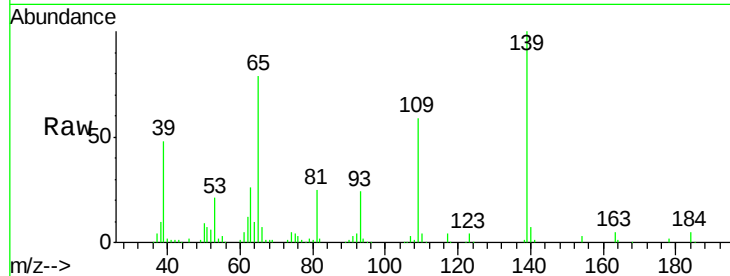
#55  
4-Nitrophenol  
Concen: 36.74 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 122522 |       |       |
| 109     | 58.7  | 48.4   | 88.4  |       |
| 65      | 78.8  | 72.6   | 112.6 |       |

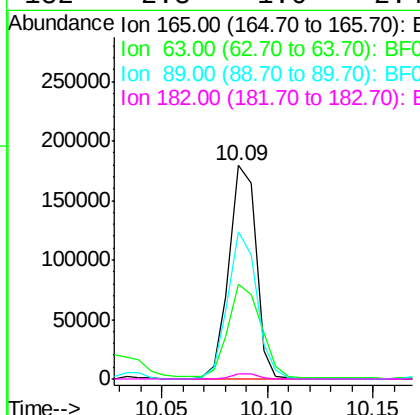
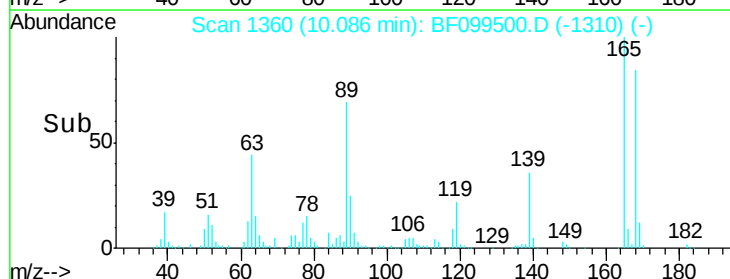
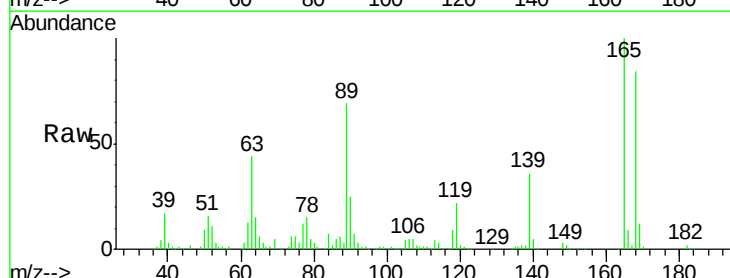
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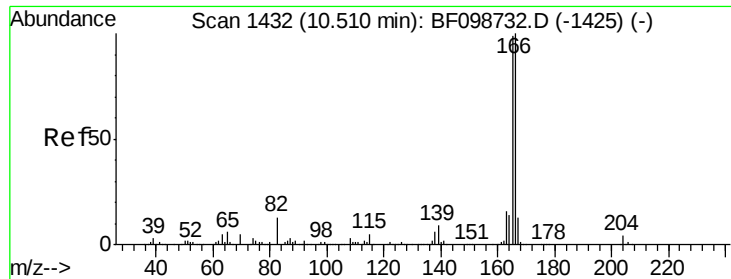
Sohil  
10/15/2017 12:41:29 PM



#56  
2,4-Dinitrotoluene  
Concen: 36.34 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 159531 |       |       |
| 63      | 44.1  | 36.4   | 54.6  |       |
| 89      | 69.1  | 57.8   | 86.6  |       |
| 182     | 2.3   | 1.6    | 2.4   |       |





#57

Fluorene

Concen: 37.27 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

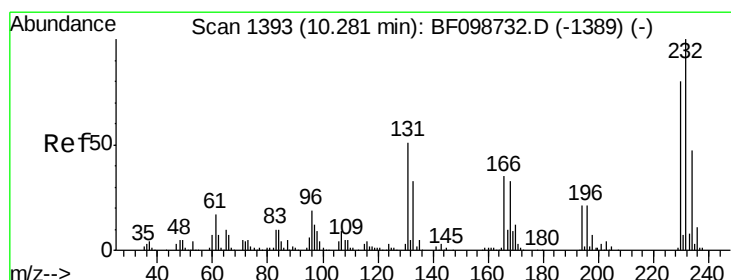
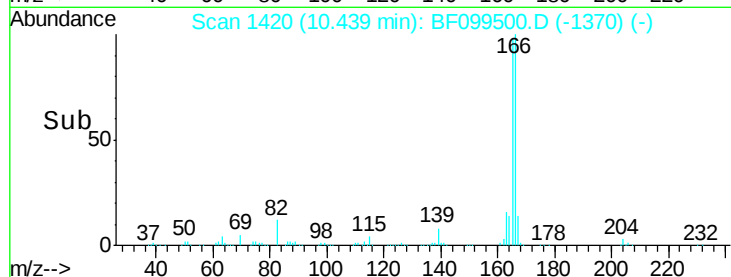
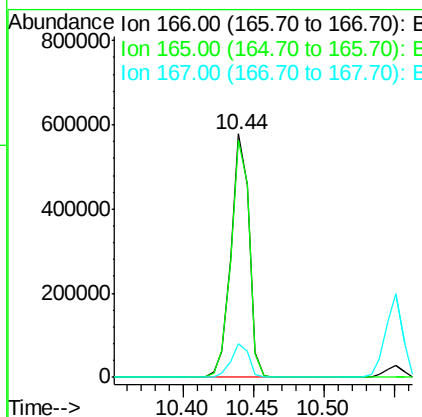
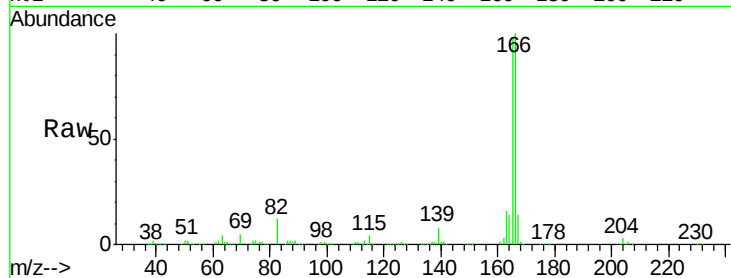
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 513784 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 97.6  | 79.8  | 119.8  |
| 167       | 14.0  | 10.6  | 16.0   |

Manual Integrations  
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10/15/2017 12:41:29 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.88 ng

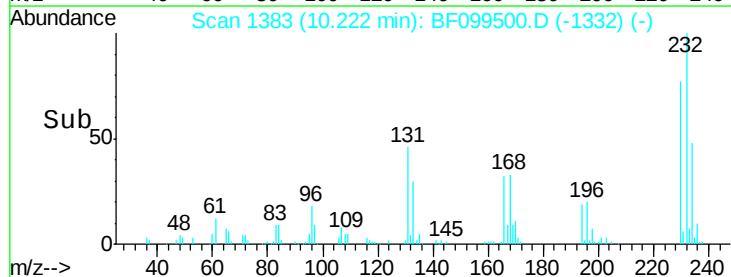
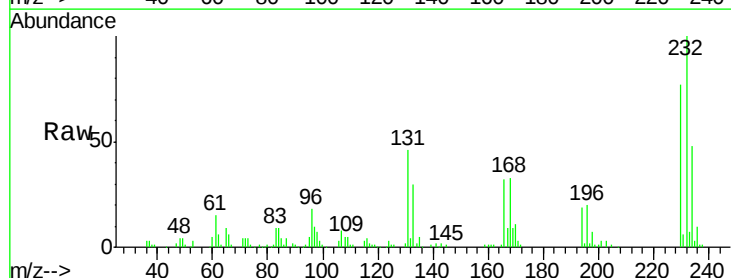
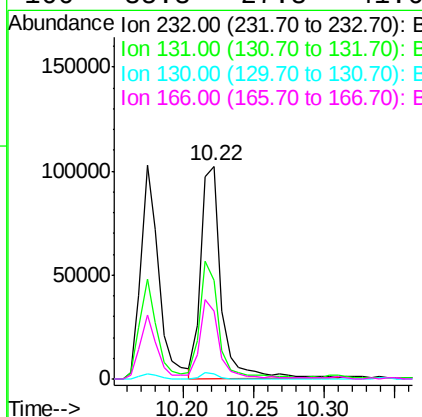
RT: 10.22 min Scan# 1383

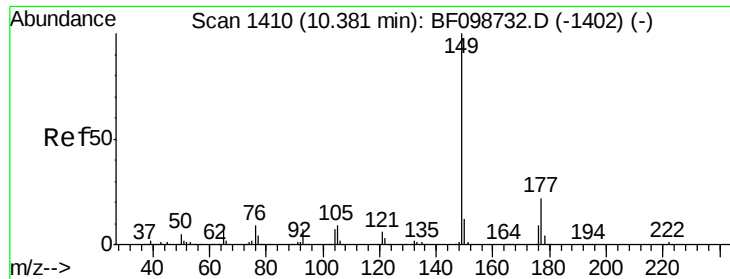
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 101606 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 51.9  | 43.8  | 65.8   |
| 130       | 2.3   | 2.1   | 3.1    |
| 166       | 35.3  | 27.8  | 41.6   |





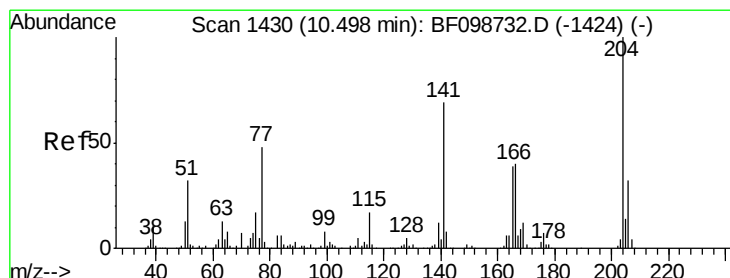
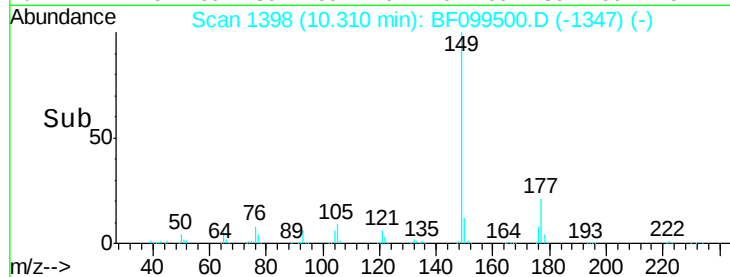
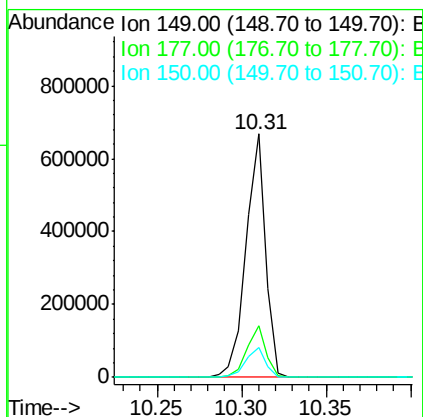
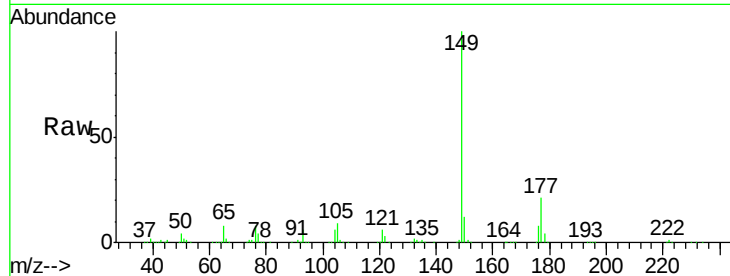
#59  
Diethylphthalate  
Concen: 35.79 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 543345 |       |       |
| 177     | 21.0  | 16.1   | 24.1  |       |
| 150     | 12.1  | 10.1   | 15.1  |       |

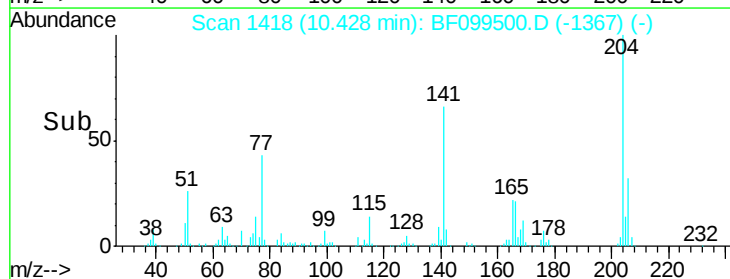
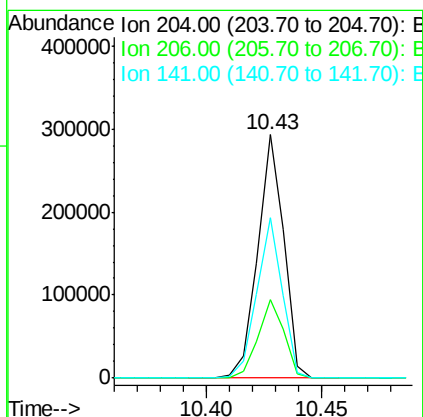
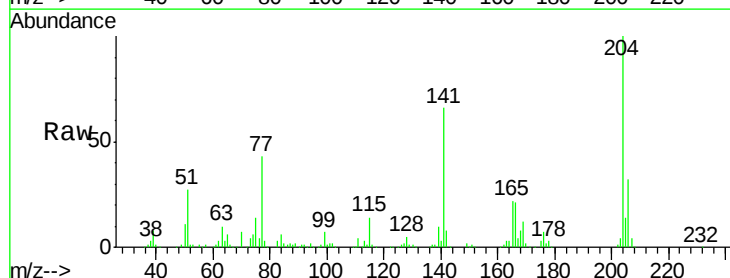
Manual Integrations  
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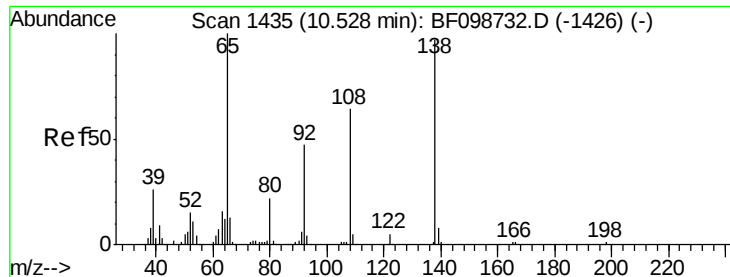
Sohil  
10/15/2017 12:41:29 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 37.35 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 231299 |       |       |
| 206     | 32.4  | 26.5   | 39.7  |       |
| 141     | 65.9  | 54.6   | 81.8  |       |





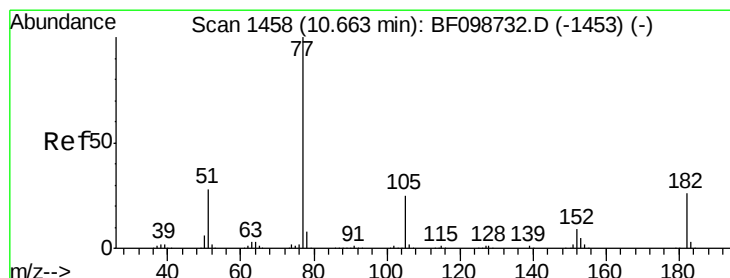
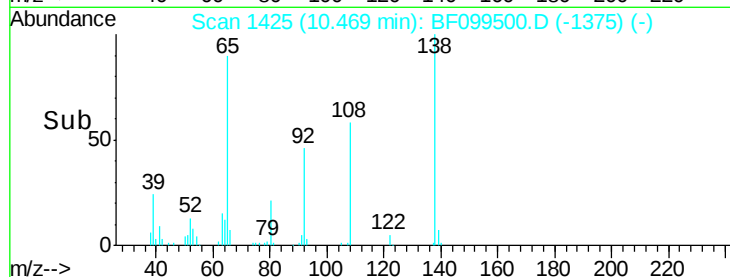
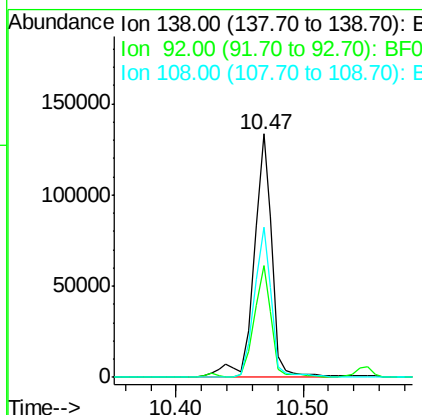
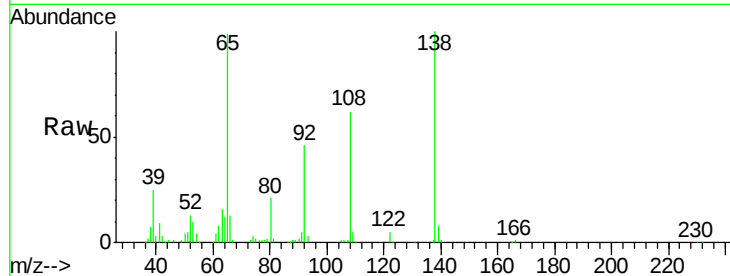
#61  
4-Nitroaniline  
Concen: 34.93 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 132923 |       |       |
| 92      | 46.2  | 30.2   | 70.2  |       |
| 108     | 61.7  | 52.5   | 92.5  |       |

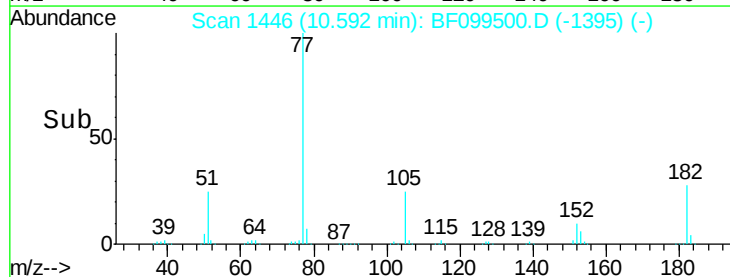
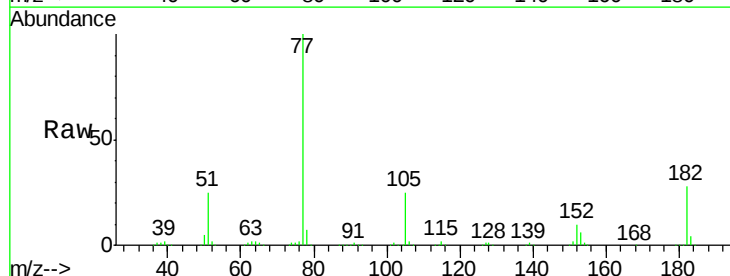
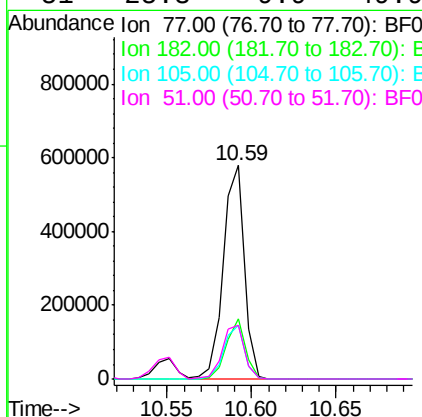
Manual Integrations  
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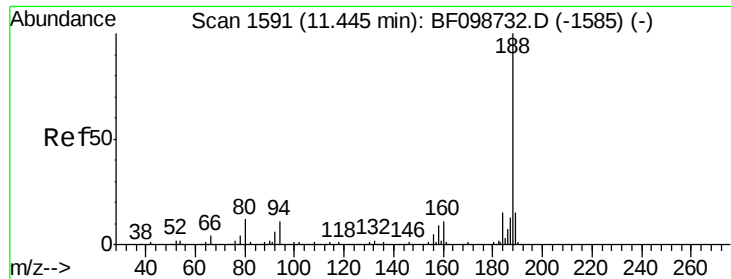
Sohil  
10/15/2017 12:41:29 PM



#62  
Azobenzene  
Concen: 35.86 ng  
RT: 10.59 min Scan# 1446  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 500607 |       |       |
| 182     | 28.1  | 1.7    | 41.7  |       |
| 105     | 25.1  | 3.0    | 43.0  |       |
| 51      | 25.3  | 9.9    | 49.9  |       |





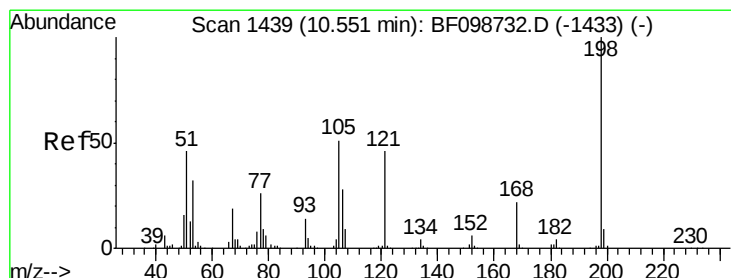
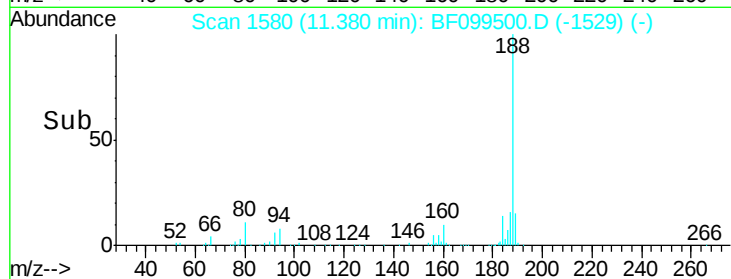
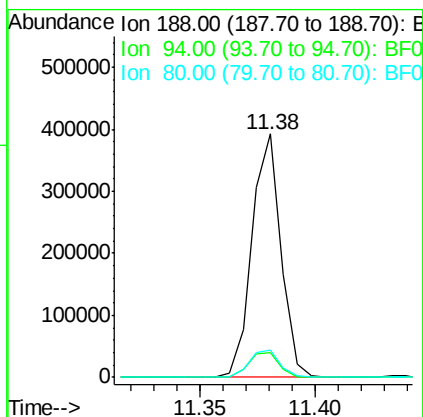
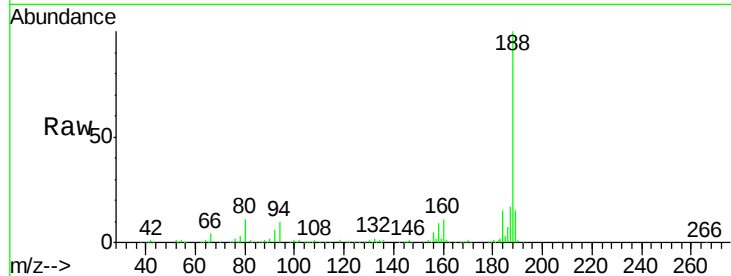
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 344134 |       |       |
| 94      | 10.4  | 8.5    | 12.7  |       |
| 80      | 11.0  | 9.2    | 13.8  |       |

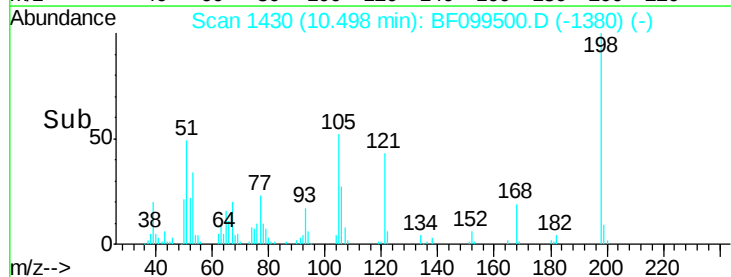
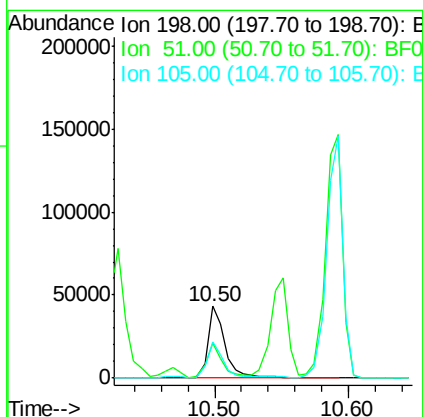
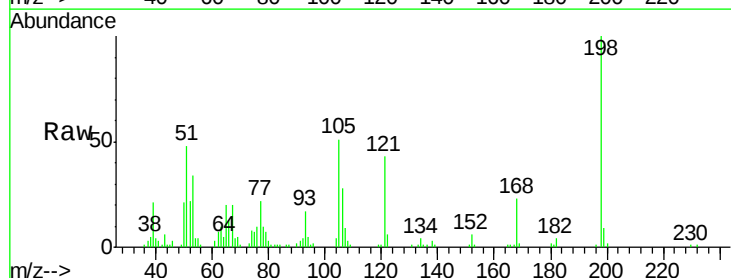
Manual Integrations  
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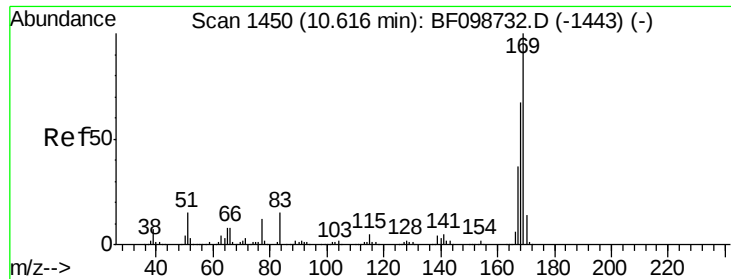
Sohil  
10/15/2017 12:41:29 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 18.61 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 38967 |       |       |
| 51      | 48.5  | 37.7  | 77.7  |       |
| 105     | 50.8  | 36.3  | 76.3  |       |





#65

n-Nitrosodiphenylamine

Concen: 37.90 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

ClientSampleId :

PB103194BS

Tgt Ion:169 Resp: 451861

Ion Ratio Lower Upper

169 100

168 68.3 54.4 81.6

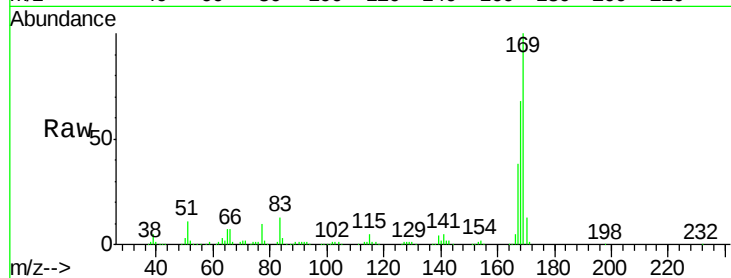
167 37.5 29.8 44.6

Manual Integrations

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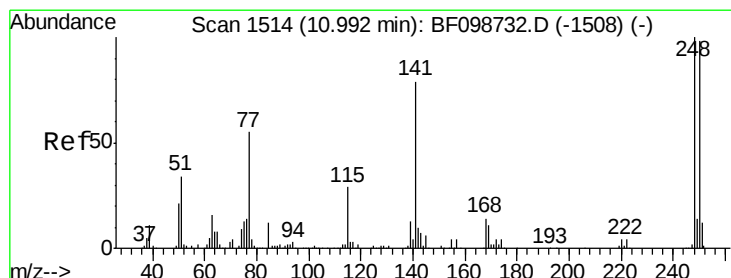
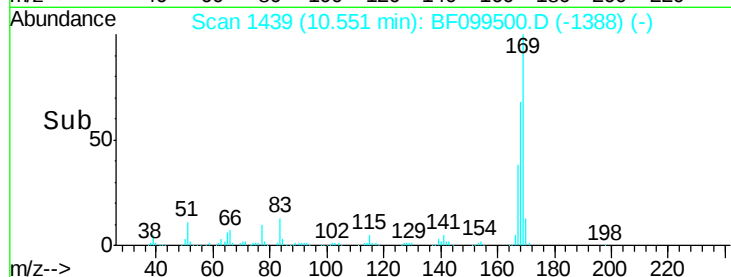
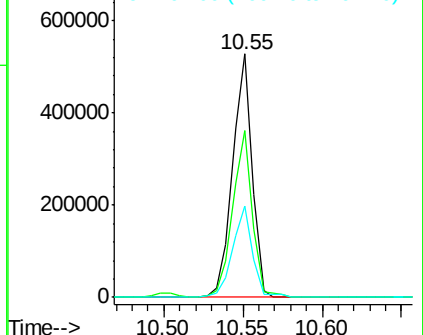
10/15/2017 12:41:29 PM



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



#66

4-Bromophenyl-phenylether

Concen: 39.09 ng

RT: 10.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Tgt Ion:248 Resp: 131690

Ion Ratio Lower Upper

248 100

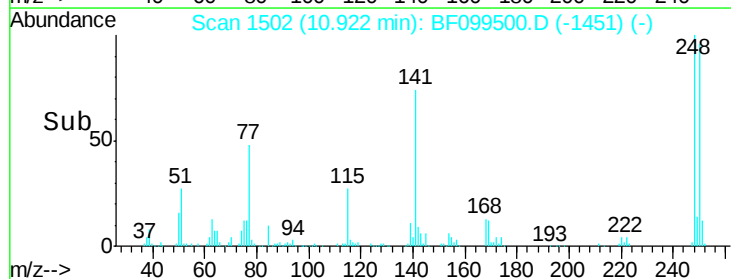
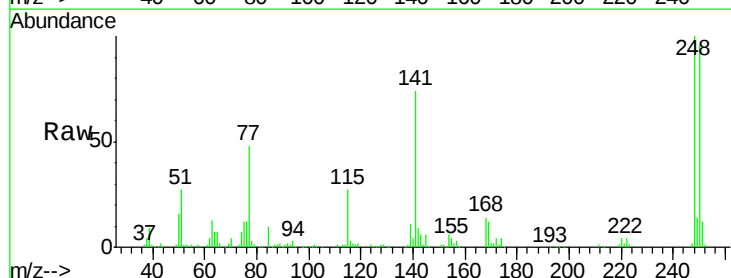
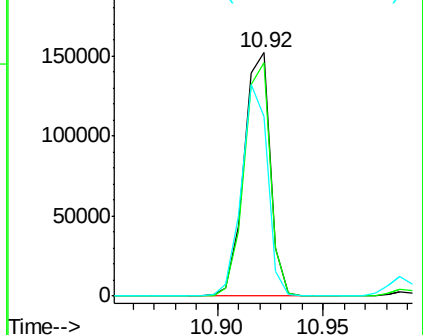
250 96.1 76.9 115.3

141 73.6 74.4 111.6#

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





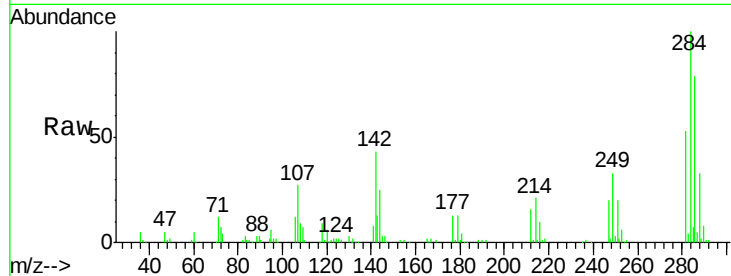
#67  
Hexachlorobenzene  
Concen: 36.61 ng  
RT: 10.99 min Scan# 1513  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

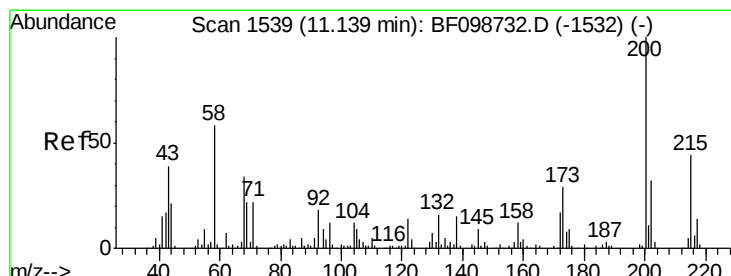
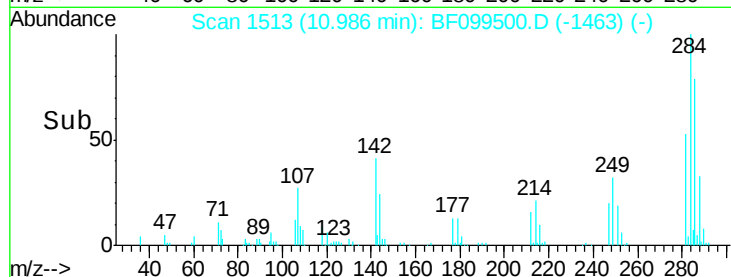
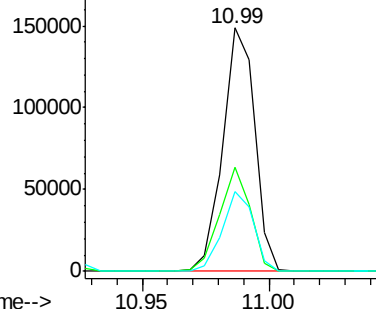
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 131727 |       |       |
| 142     | 43.0  | 34.6   | 52.0  |       |
| 249     | 32.8  | 24.8   | 37.2  |       |

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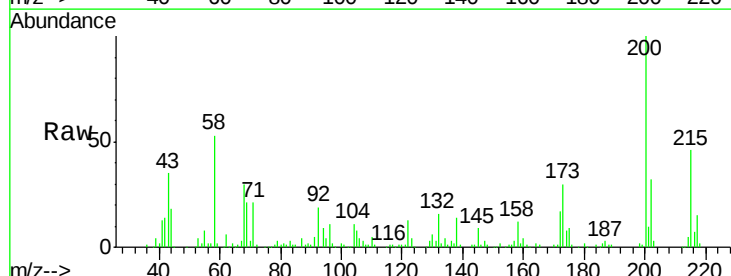


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

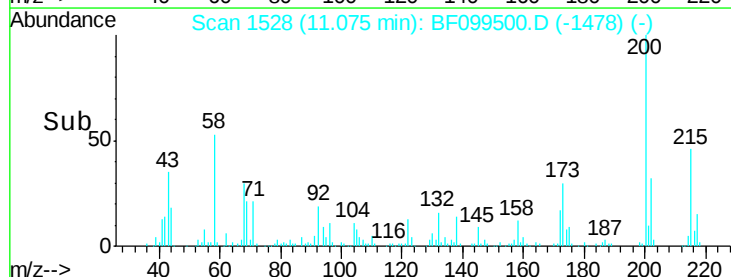
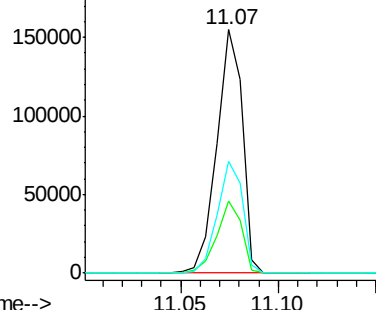


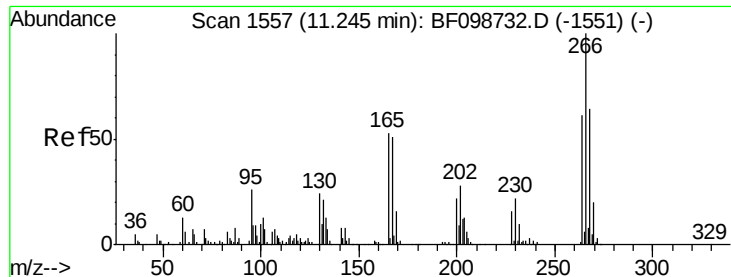
#68  
Atrazine  
Concen: 39.10 ng  
RT: 11.07 min Scan# 1528  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 140245 |       |       |
| 173     | 29.8  | 8.6    | 48.6  |       |
| 215     | 46.2  | 25.1   | 65.1  |       |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





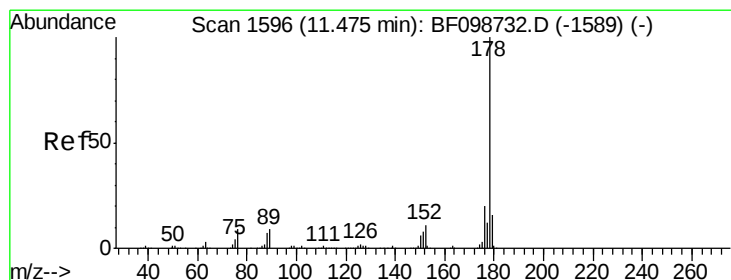
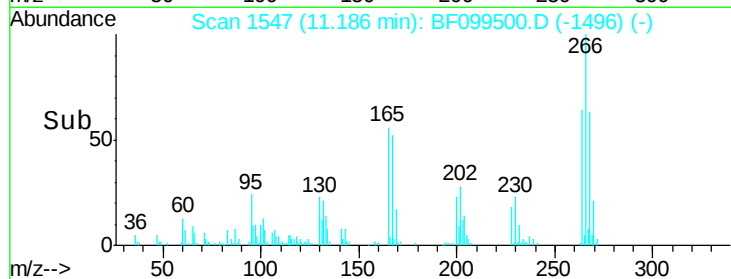
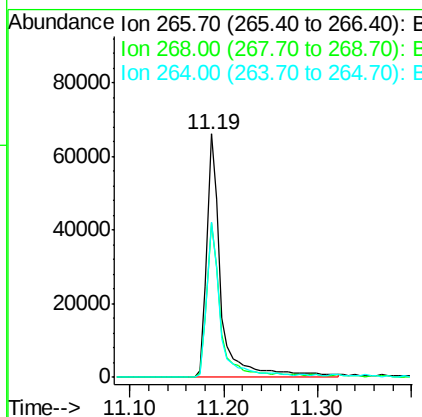
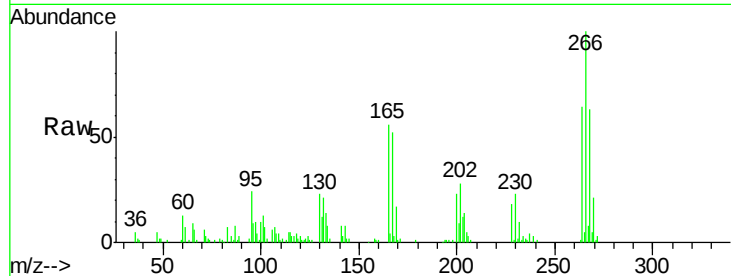
#69  
 Pentachlorophenol  
 Concen: 31.88 ng  
 RT: 11.19 min Scan# 1547  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.2  | 51.1  | 76.7  |
| 264     | 63.9  | 49.5  | 74.3  |

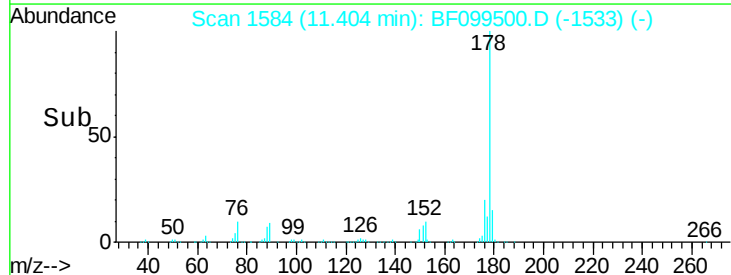
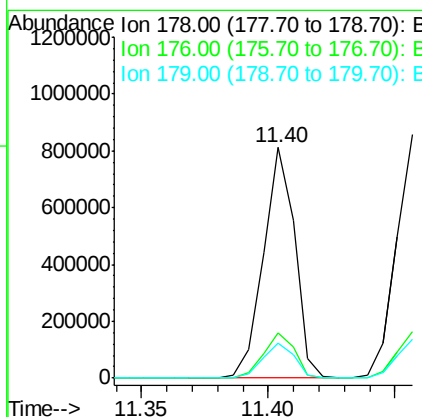
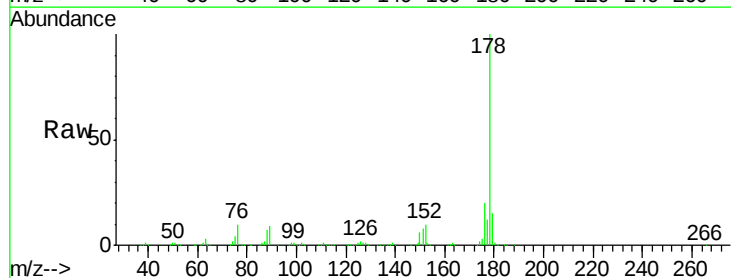
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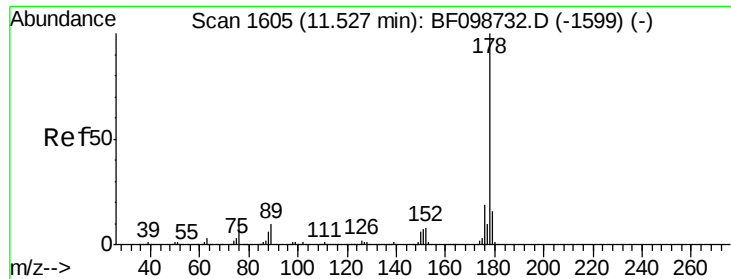
Sohil  
 10/15/2017 12:41:29 PM



#70  
 Phenanthrene  
 Concen: 38.30 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 15.4  | 13.0  | 19.6  |





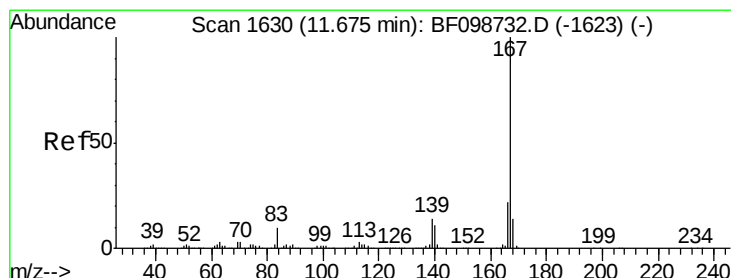
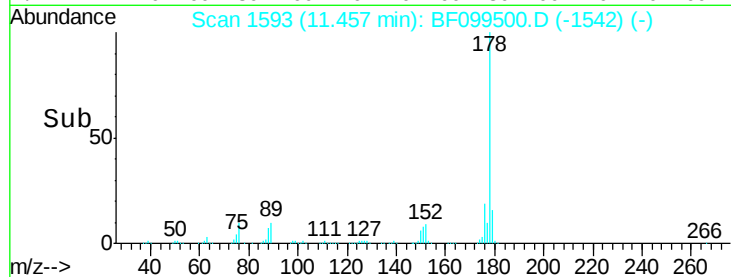
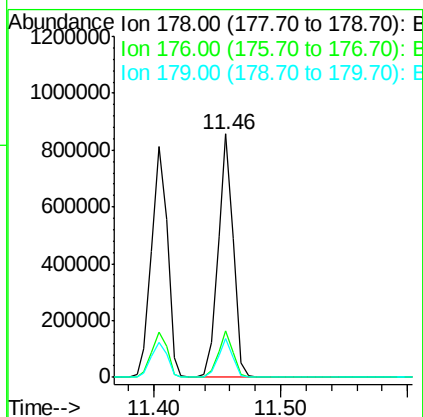
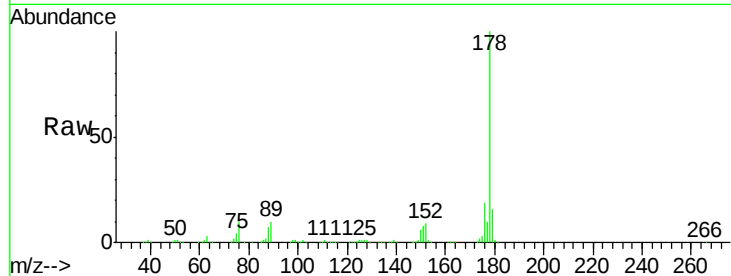
#71  
 Anthracene  
 Concen: 38.35 ng  
 RT: 11.46 min Scan# 1593  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.4  | 23.2  |
| 179     | 15.8  | 12.6  | 19.0  |

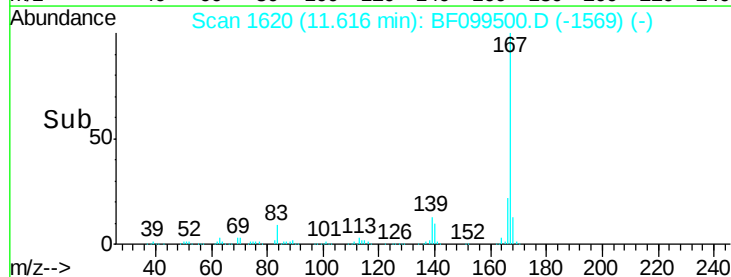
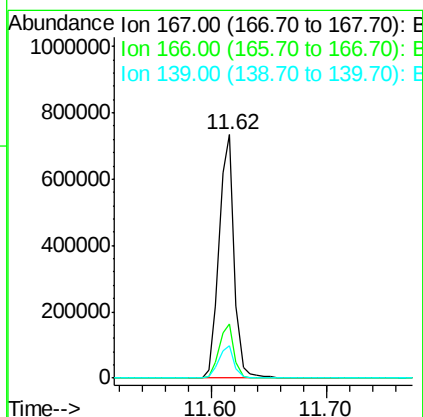
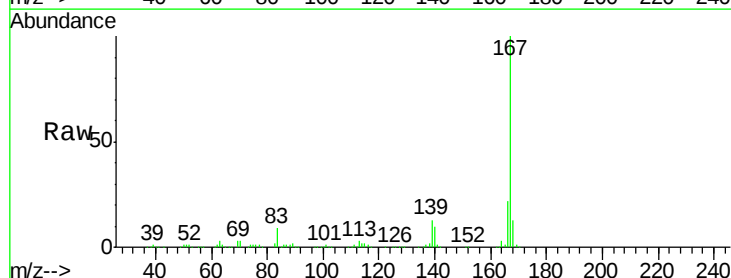
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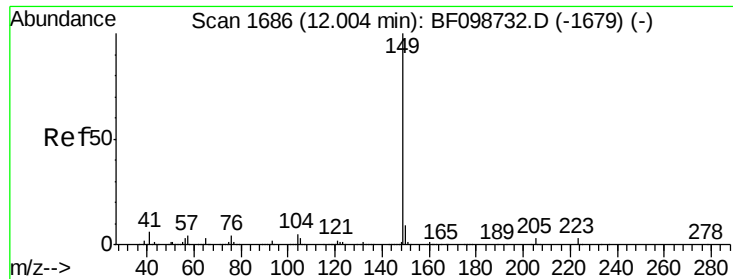
Sohil  
 10/15/2017 12:41:29 PM



#72  
 Carbazole  
 Concen: 36.13 ng  
 RT: 11.62 min Scan# 1620  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.6  | 26.4  |
| 139     | 13.2  | 10.9  | 16.3  |





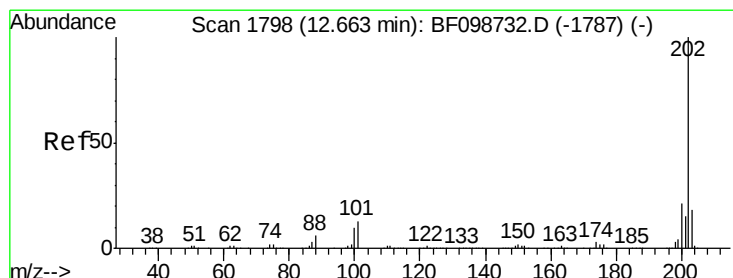
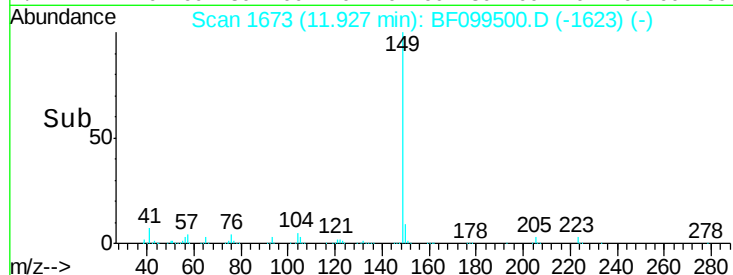
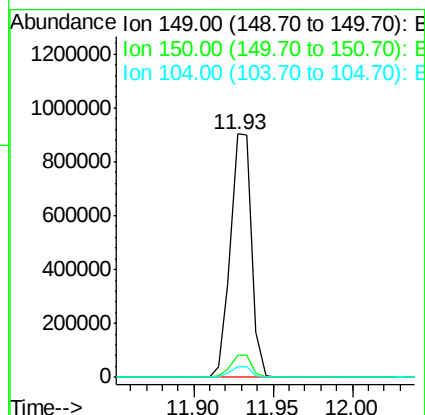
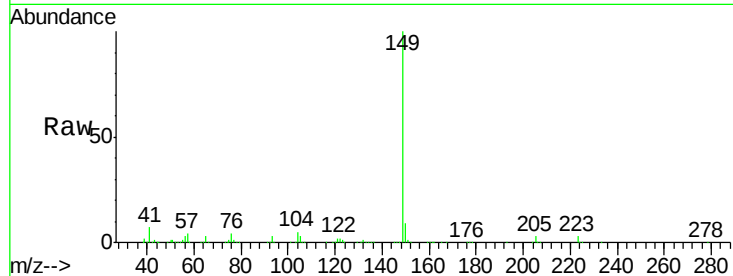
#73  
Di-n-butylphthalate  
Concen: 37.70 ng  
RT: 11.93 min Scan# 1673  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 837469 |       |       |
| 150     | 9.3   | 7.8    | 11.6  |       |
| 104     | 4.6   | 3.8    | 5.8   |       |

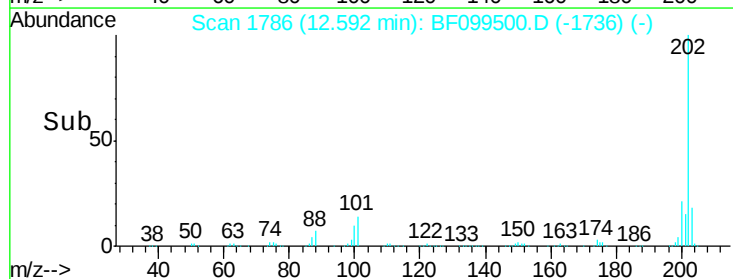
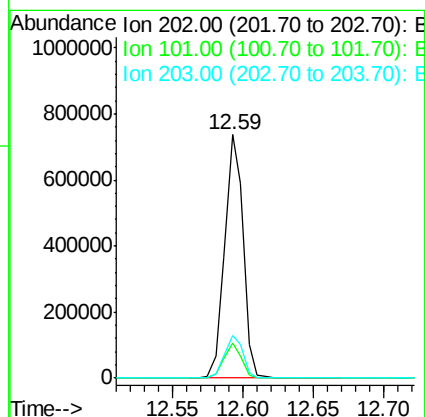
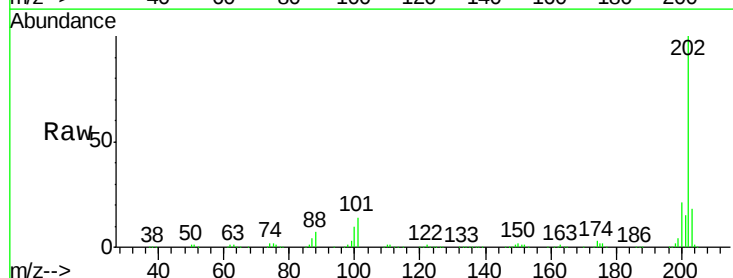
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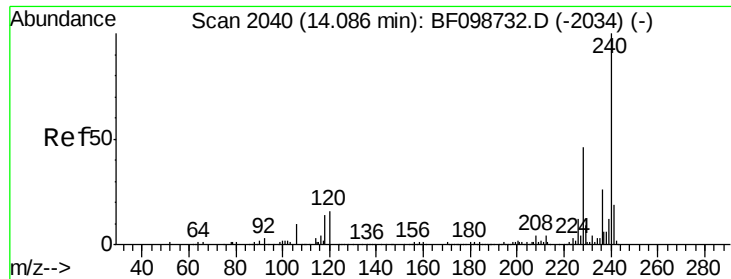
Sohil  
10/15/2017 12:41:29 PM



#74  
Fluoranthene  
Concen: 35.62 ng  
RT: 12.59 min Scan# 1786  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 664429 |       |       |
| 101     | 14.4  | 0.0    | 34.1  |       |
| 203     | 17.6  | 0.0    | 38.1  |       |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

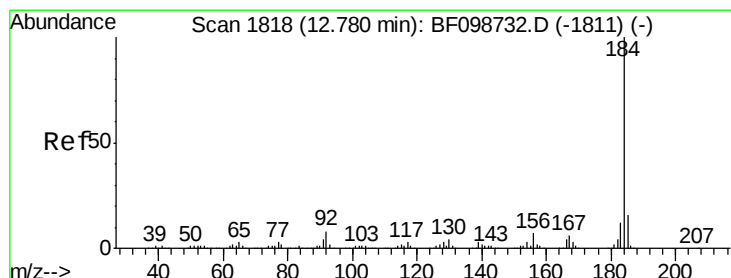
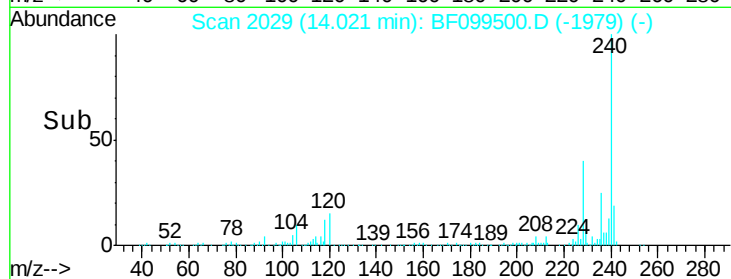
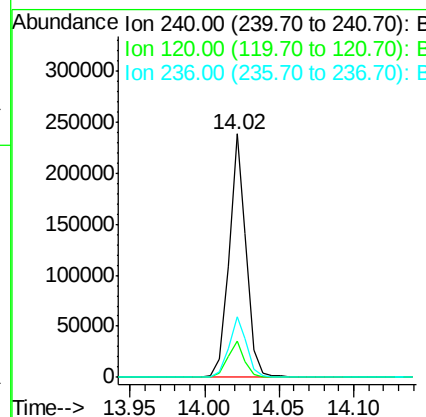
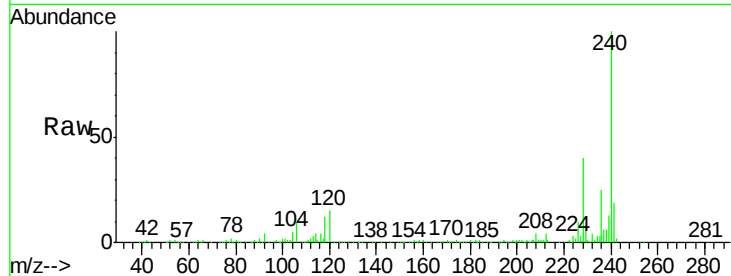
ClientSampleId :

PB103194BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 191740 |       |       |
| 120     | 14.7  | 9.5    | 14.3# |       |
| 236     | 24.9  | 20.7   | 31.1  |       |

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#76

Benzidine

Concen: 16.89 ng

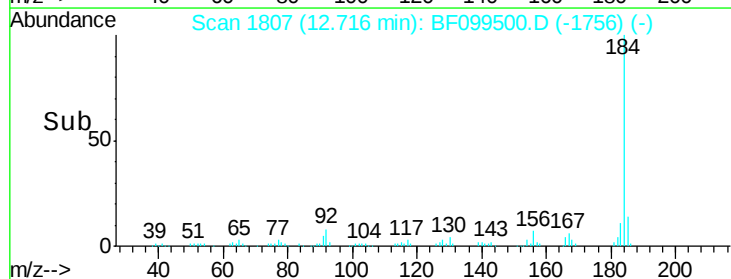
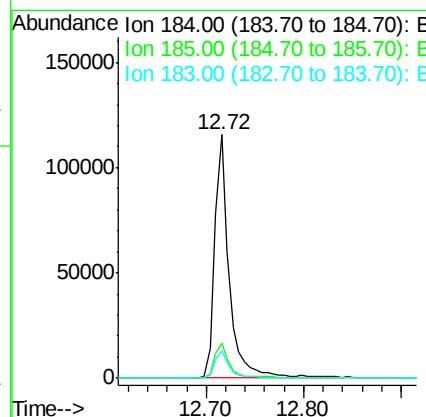
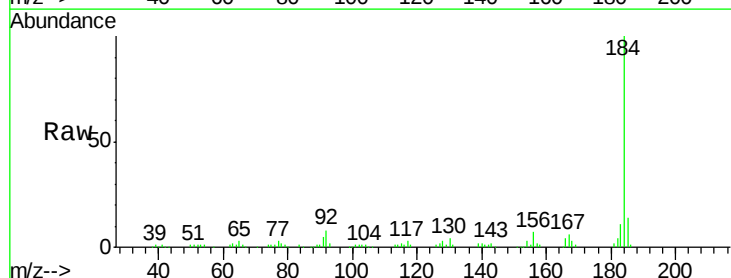
RT: 12.72 min Scan# 1807

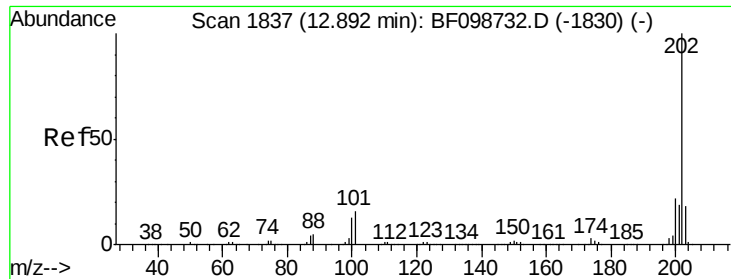
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 119814 |       |       |
| 185     | 14.4  | 12.6   | 18.8  |       |
| 183     | 11.3  | 9.3    | 13.9  |       |





#77

Pyrene

Concen: 45.19 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

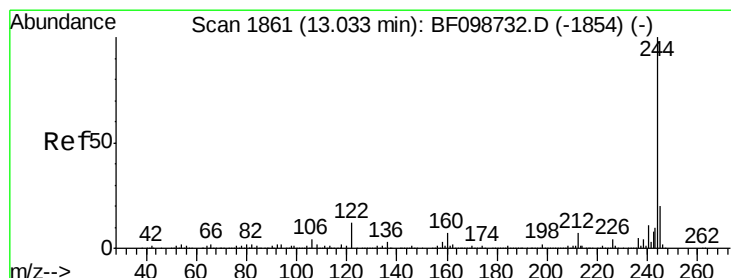
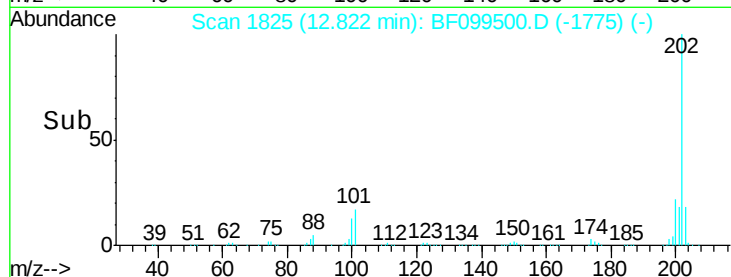
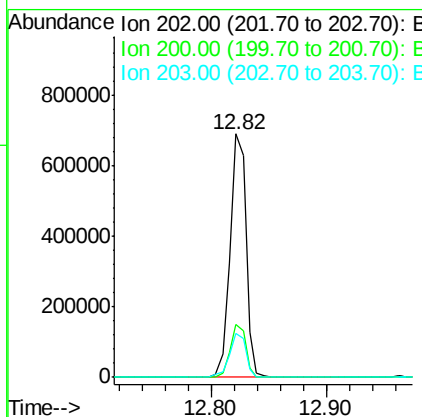
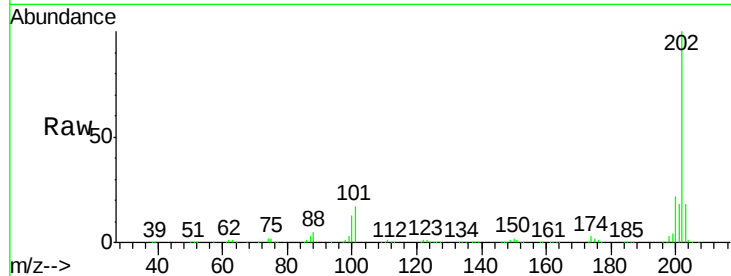
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 660676 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.6  | 17.4  | 26.2   |
| 203       | 17.9  | 14.3  | 21.5   |

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#78

Terphenyl-d14

Concen: 92.85 ng

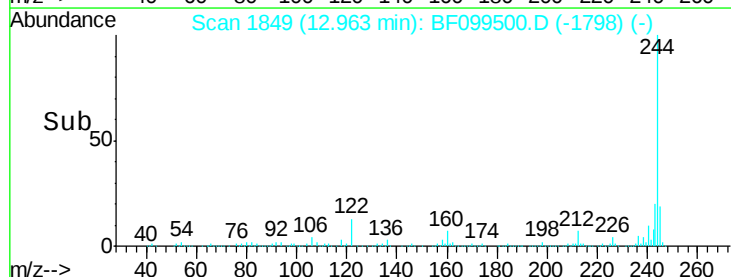
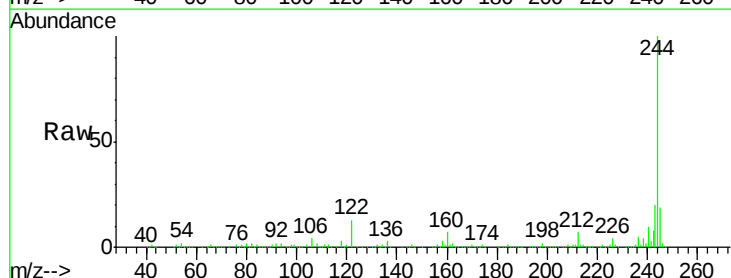
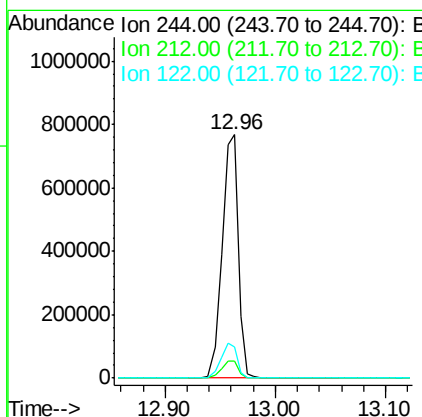
RT: 12.96 min Scan# 1849

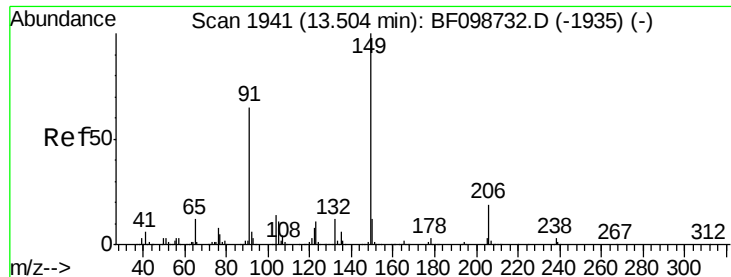
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 782866 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.9   | 5.4   | 8.0    |
| 122       | 12.6  | 11.0  | 16.4   |





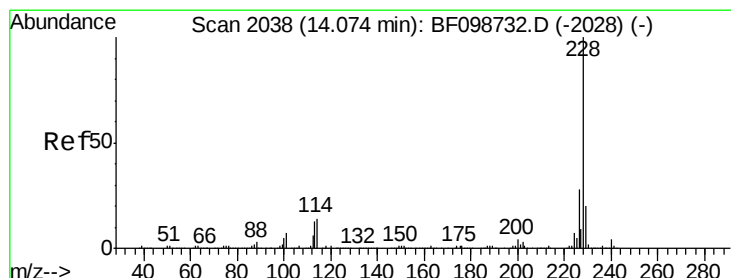
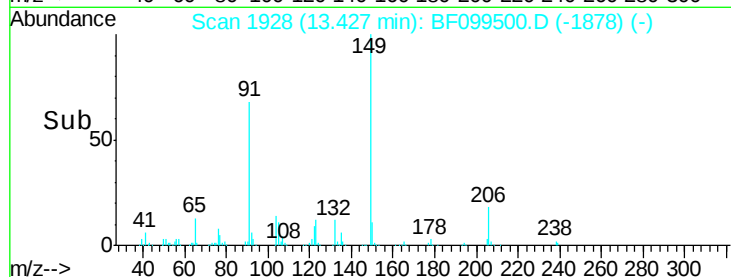
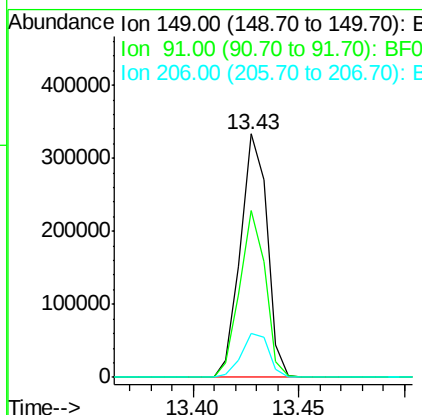
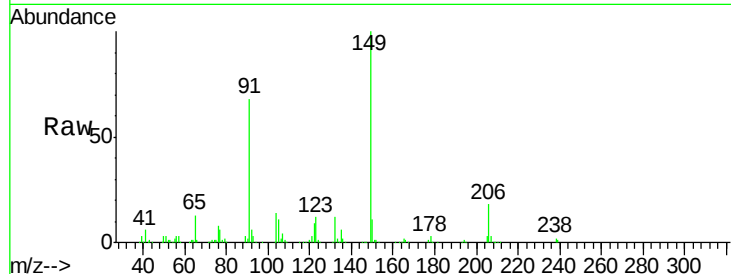
#79  
Butylbenzylphthalate  
Concen: 42.59 ng  
RT: 13.43 min Scan# 1928  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 91      | 68.4  | 56.8       | 85.2       |
| 206     | 18.1  | 14.1       | 21.1       |

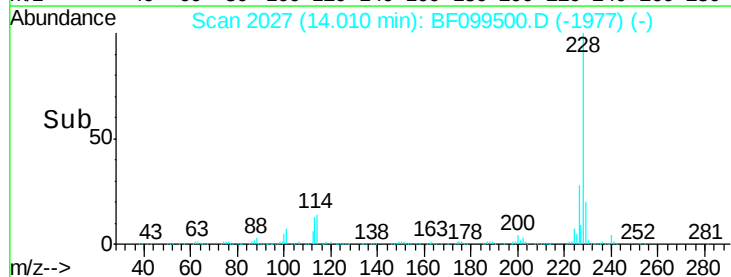
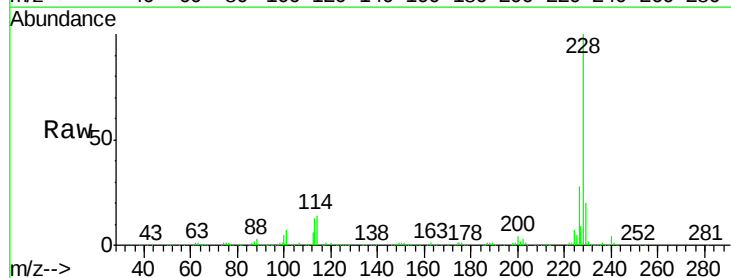
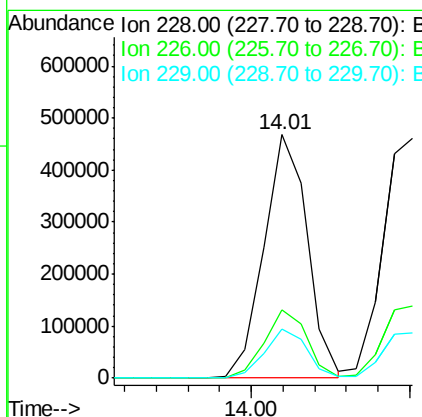
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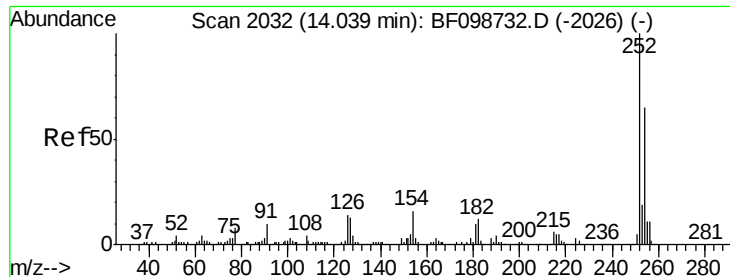
Sohil  
10/15/2017 12:41:29 PM



#80  
Benzo(a)anthracene  
Concen: 38.31 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 27.9  | 22.6       | 33.8       |
| 229     | 19.9  | 15.8       | 23.6       |





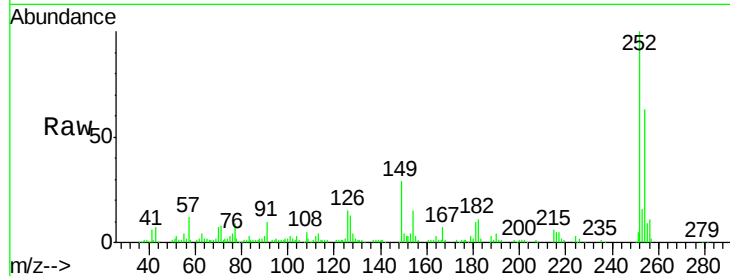
#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.22 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

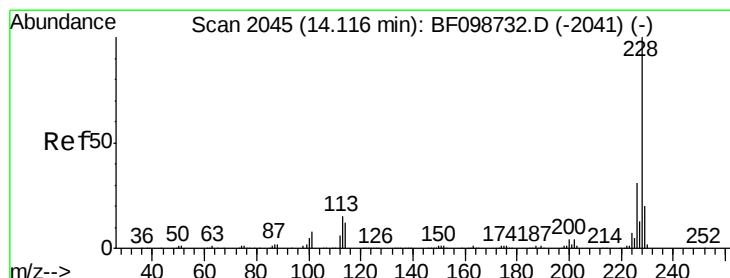
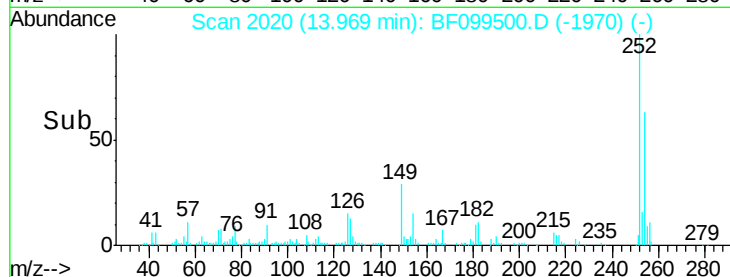
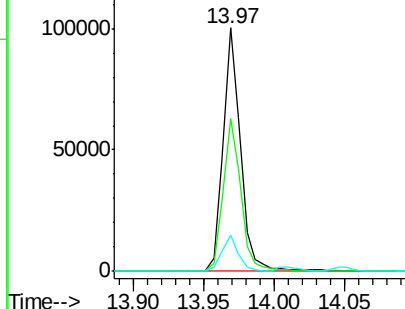
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 254     | 62.7  | 50.4       | 75.6       |
| 126     | 14.7  | 11.3       | 16.9       |

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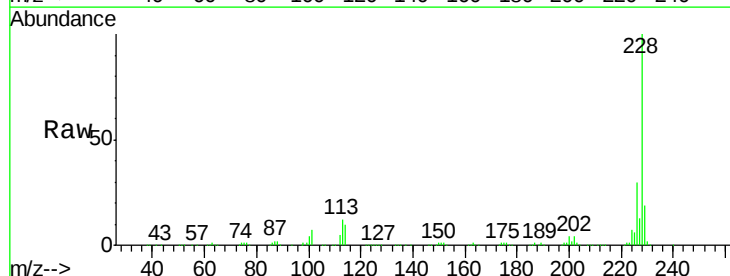


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

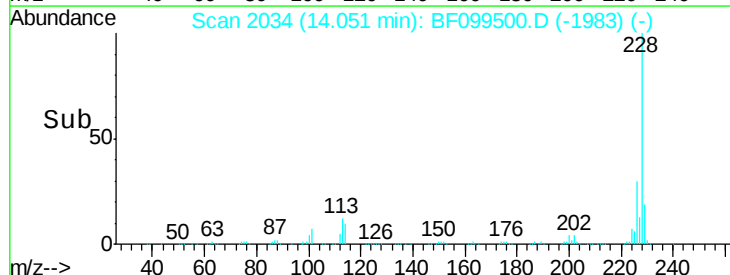
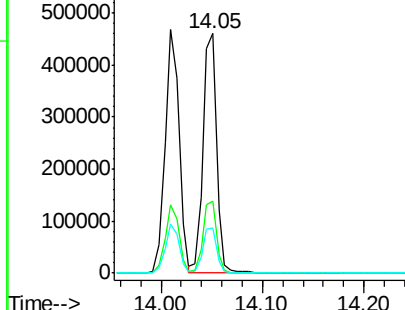


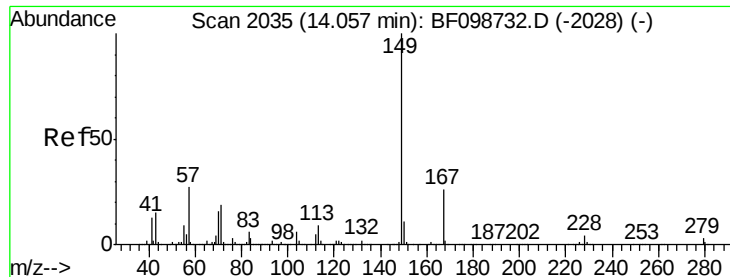
#82  
 Chrysene  
 Concen: 38.97 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. 0.00 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 30.0  | 25.0       | 37.6       |
| 229     | 19.0  | 16.2       | 24.4       |



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





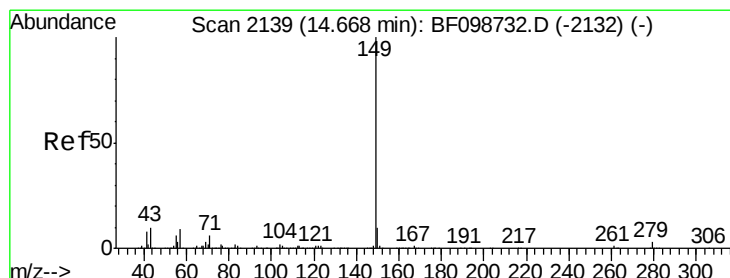
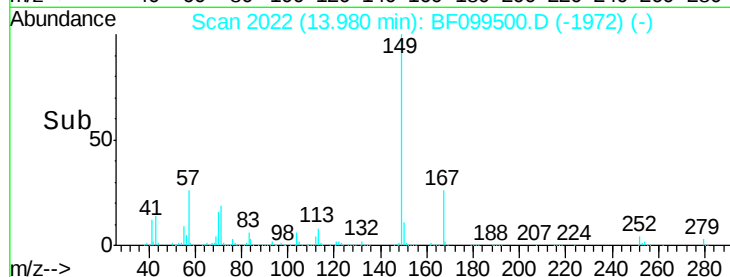
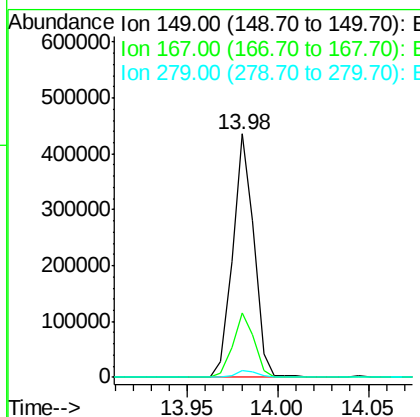
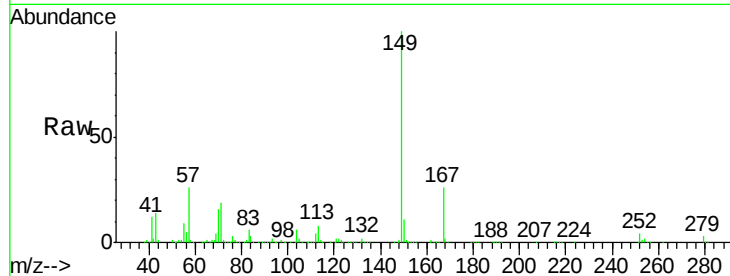
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 37.54 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB103194BS

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 26.4  | 21.3       | 31.9  |
| 279     | 2.9   | 3.0        | 4.4#  |

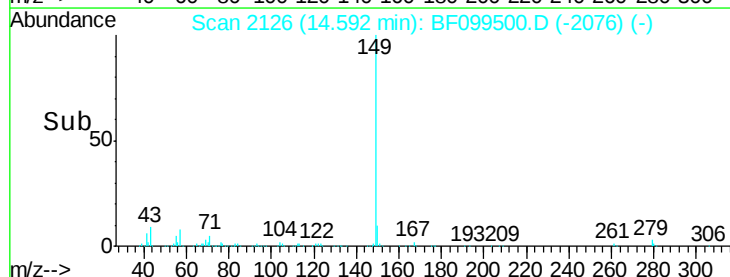
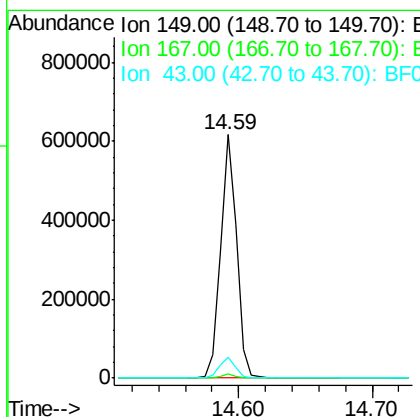
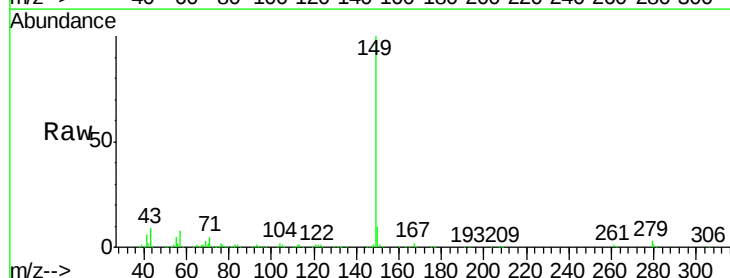
Manual Integrations  
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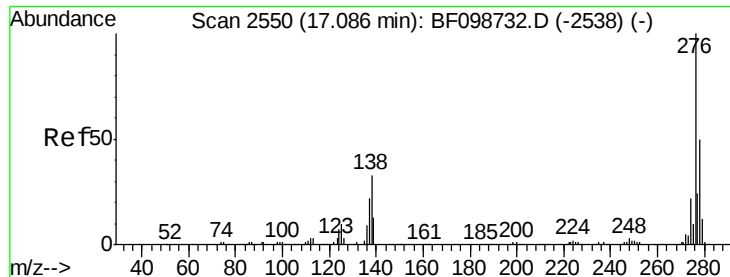
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 10/15/2017 12:41:29 PM



#84  
 Di-n-octyl phthalate  
 Concen: 34.45 ng  
 RT: 14.59 min Scan# 2126  
 Delta R.T. -0.01 min  
 Lab File: BF099500.D  
 Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 1.5   | 1.2        | 1.8   |
| 43      | 8.4   | 8.4        | 12.6# |





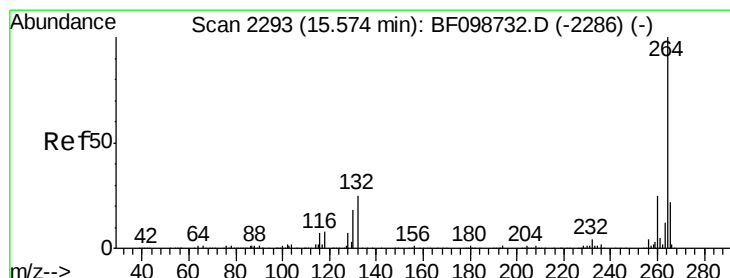
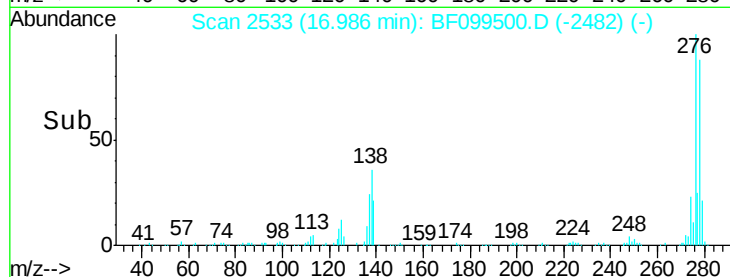
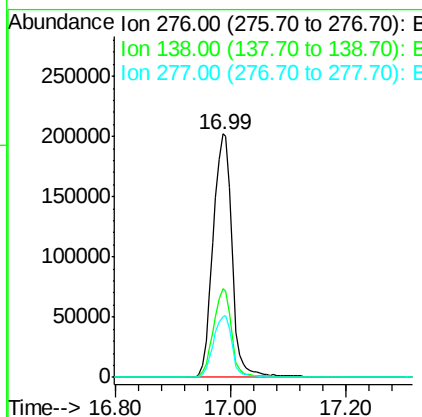
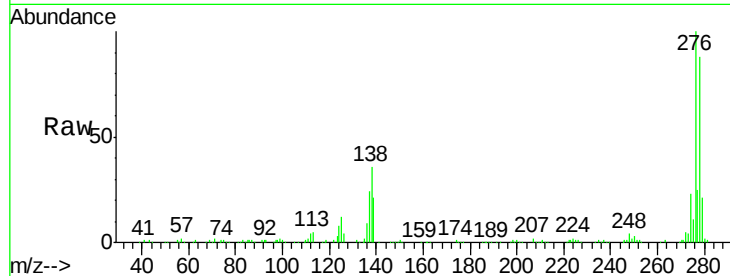
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 52.62 ng  
RT: 16.99 min Scan# 2533  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampled :  
PB103194BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.6  | 25.0  | 37.6  |
| 277     | 24.9  | 20.1  | 30.1  |

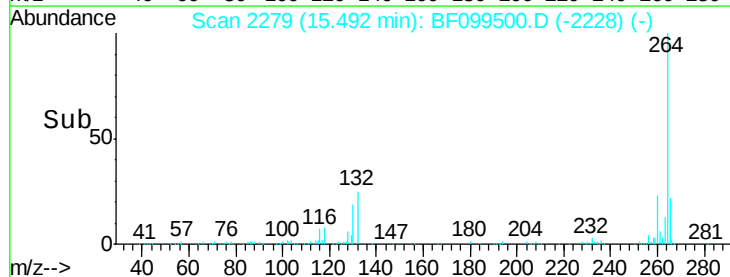
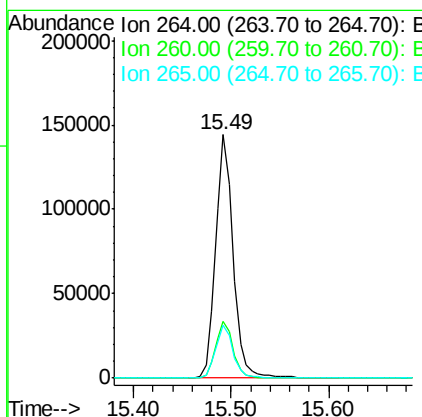
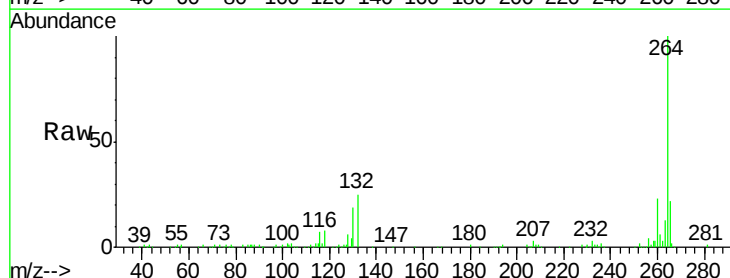
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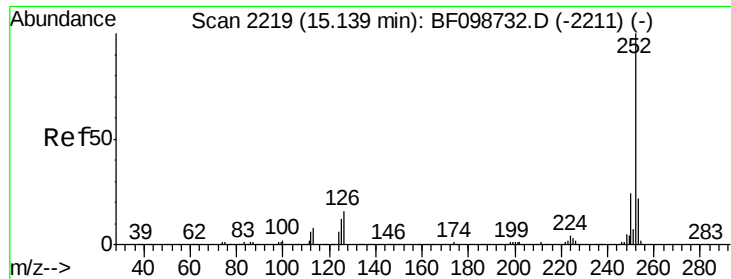
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10/15/2017 12:41:29 PM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.00 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |





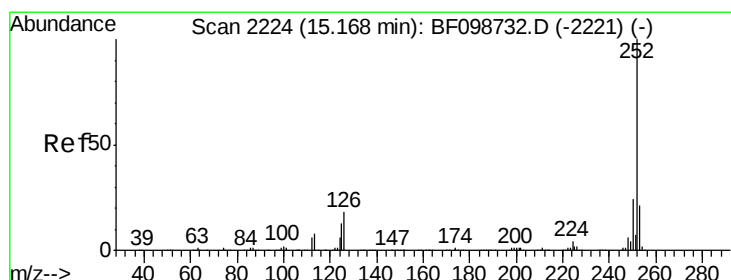
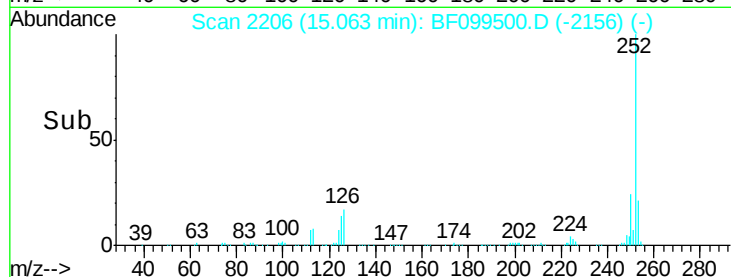
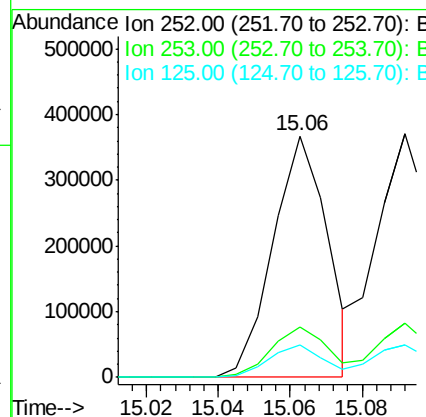
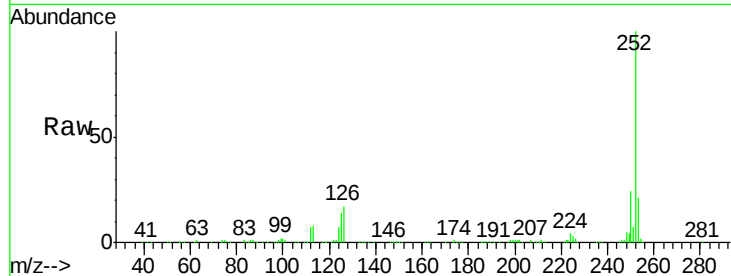
#87  
Benzo(b)fluoranthene  
Concen: 35.12 ng m  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB103194BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.1  | 17.0  | 25.6  |
| 125     | 13.6  | 9.0   | 13.6  |

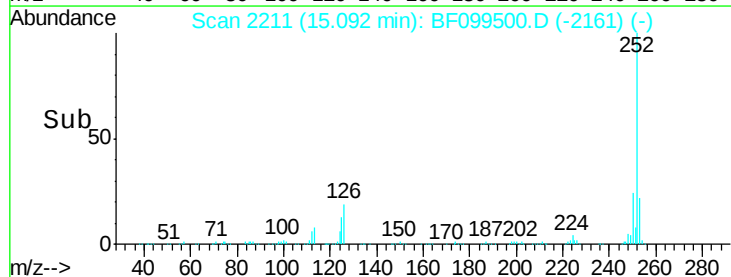
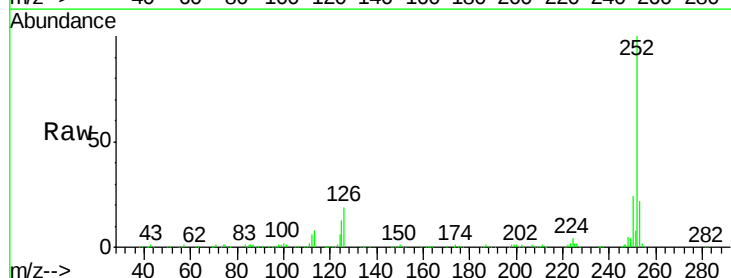
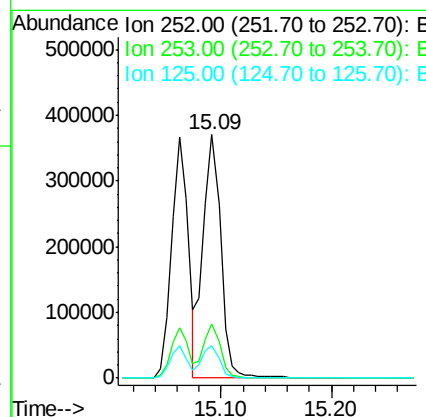
Manual Integrations  
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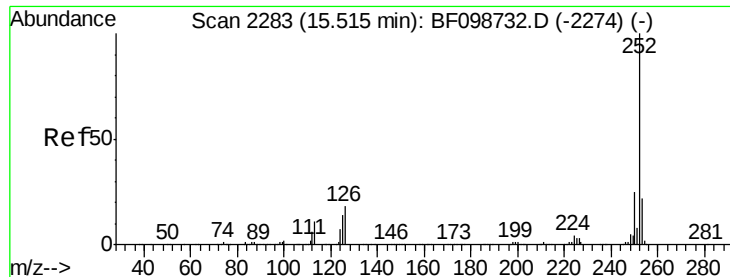
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#88  
Benzo(k)fluoranthene  
Concen: 36.96 ng  
RT: 15.09 min Scan# 2211  
Delta R.T. -0.01 min  
Lab File: BF099500.D  
Acq: 15 Oct 2017 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.9  | 26.9  |
| 125     | 13.4  | 10.2  | 15.2  |





#89

Benzo(a)pyrene

Concen: 38.73 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

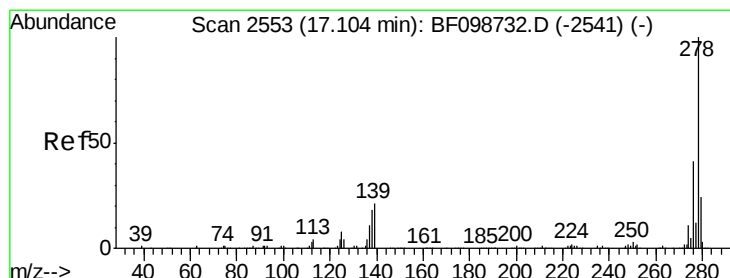
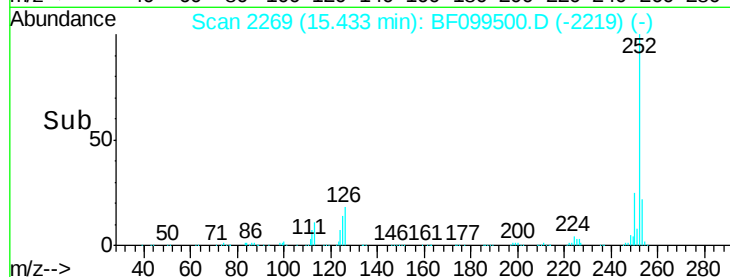
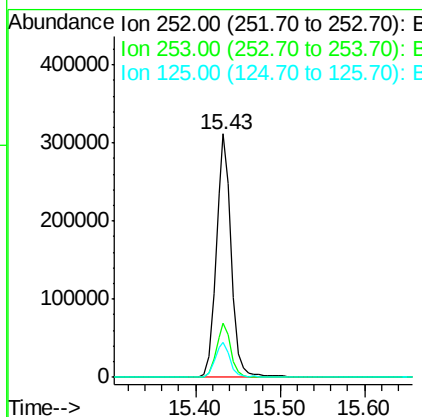
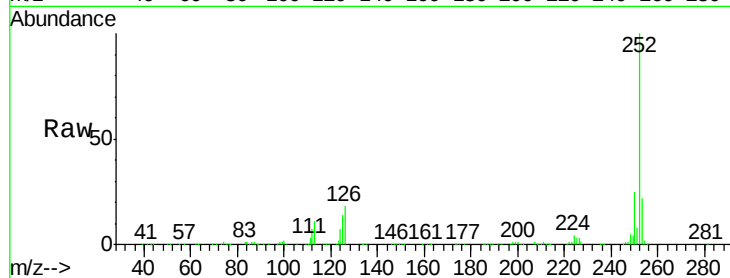
ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 391957 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 17.1  | 25.7   |
| 125       | 14.5  | 9.8   | 14.6   |

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#90

Dibenzo(a,h)anthracene

Concen: 47.21 ng

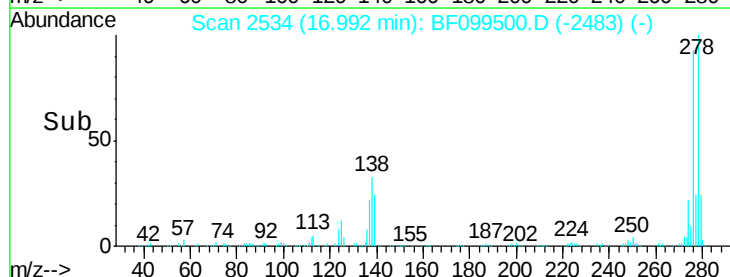
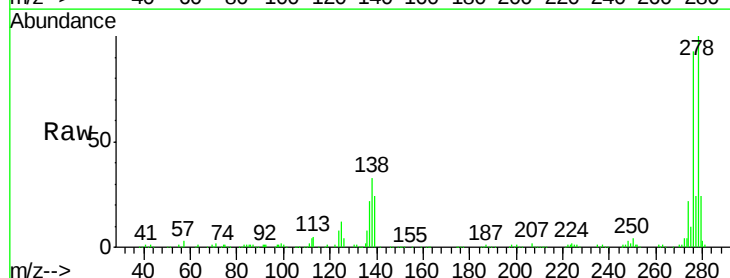
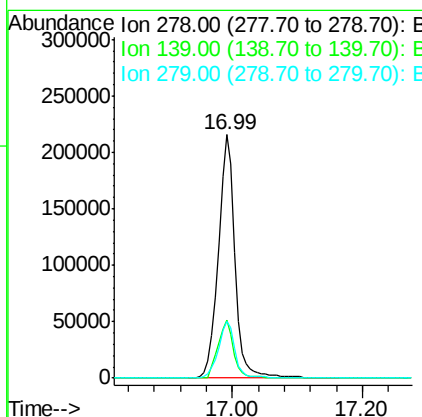
RT: 16.99 min Scan# 2534

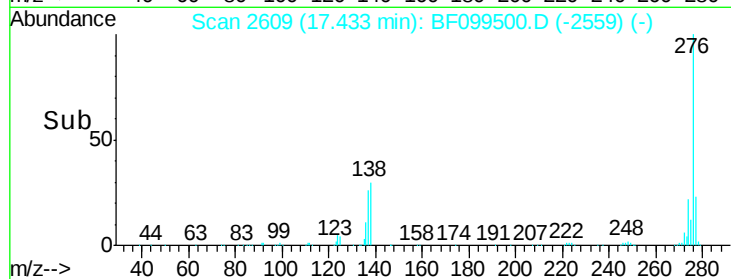
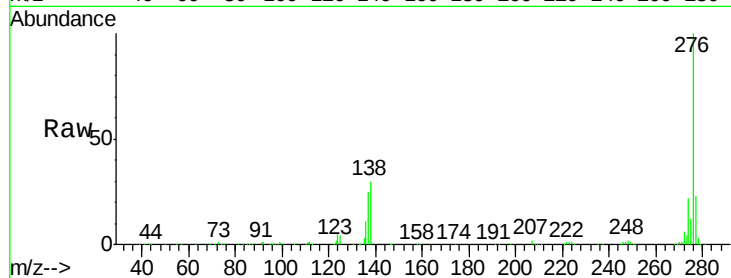
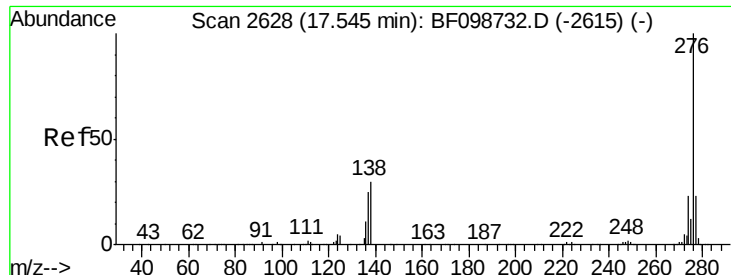
Delta R.T. 0.00 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 382387 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 24.1  | 15.9  | 23.9#  |
| 279       | 23.5  | 19.0  | 28.4   |





#91

Benzo(g,h,i)perylene

Concen: 50.72 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BF099500.D

Acq: 15 Oct 2017 2:40

Instrument :

BNA\_F

ClientSampleId :

PB103194BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 406122 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 22.8  | 17.9  | 26.9   |
| 138       | 30.3  | 21.8  | 32.8   |

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