

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\  
 Data File : BF099827.D  
 Acq On : 25 Oct 2017 21:43  
 Operator : SJ/JU  
 Sample : I6068-01MSD 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06

Manual Integrations  
 APPROVED

Sohil  
 10/27/2017 8:59:17 AM

Quant Time: Oct 26 14:01:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 25 17:02:52 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 75735    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 313699   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.84  | 164  | 143282   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 256197   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 185599   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 158709   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.41  | 112 | 108428 | 22.48 | ng | 0.00 |
| 7) Phenol-d6             | 6.43  | 99  | 136751 | 23.91 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 74849  | 15.36 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 30449  | 23.32 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 172572 | 18.58 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.92 | 244 | 143986 | 16.95 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88  | 11139  | 5.229 | ng | 88     |
| 3) Pyridine                    | 3.36 | 79  | 29086m | 5.678 | ng |        |
| 4) n-Nitrosodimethylamine      | 3.24 | 42  | 6743   | 3.684 | ng | # 96   |
| 6) Aniline                     | 6.46 | 93  | 38576  | 5.201 | ng | # 83   |
| 8) 2-Chlorophenol              | 6.58 | 128 | 40697  | 7.916 | ng | 94     |
| 9) Benzaldehyde                | 6.36 | 77  | 24559  | 7.185 | ng | 89     |
| 10) Phenol                     | 6.45 | 94  | 56342  | 8.971 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 37876  | 7.810 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 43647  | 7.561 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146 | 43982  | 7.507 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 42955  | 8.044 | ng | 97     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 30529  | 8.393 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 48182  | 8.944 | ng | 65     |
| 17) 2-Methylphenol             | 7.06 | 107 | 33631  | 7.820 | ng | 95     |
| 18) Hexachloroethane           | 7.30 | 117 | 10653  | 5.450 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 26165  | 7.806 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 46378  | 9.262 | ng | # 81   |
| 22) Acetophenone               | 7.20 | 105 | 57310  | 8.024 | ng | # 93   |
| 24) Nitrobenzene               | 7.38 | 77  | 37928  | 7.725 | ng | # 93   |
| 25) Isophorone                 | 7.62 | 82  | 72526  | 8.203 | ng | 95     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 18255  | 6.492 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.74 | 122 | 37116  | 8.958 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 47694  | 7.702 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 34575  | 8.033 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 36575  | 7.953 | ng | 99     |
| 31) Naphthalene                | 8.10 | 128 | 131560 | 8.688 | ng | 99     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 39085  | 6.251 | ng | 94     |
| 34) Hexachlorobutadiene        | 8.21 | 225 | 18182  | 7.687 | ng | 97     |
| 35) Caprolactam                | 8.50 | 113 | 8809   | 6.508 | ng | # 72   |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 35125  | 7.996 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 90463  | 8.915 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 33923  | 7.331 | ng | 98     |
| 42) 2,4,6-Trichlorophenol      | 9.08 | 196 | 23424  | 8.368 | ng | 96     |
| 43) 2,4,5-Trichlorophenol      | 9.13 | 196 | 23380  | 7.871 | ng | 93     |

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Instrument :  
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 ClientSampleId :  
 SB-06

Manual Integrations  
 APPROVED

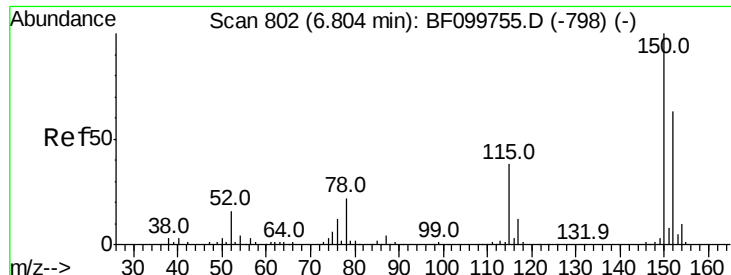
Sohil  
 10/27/2017 8:59:17 AM

Quant Time: Oct 26 14:01:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 45) 1,1'-Biphenyl              | 9.26  | 154  | 102986   | 7.945  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.29  | 162  | 76420    | 8.118  | nq    | 94       |
| 47) 2-Nitroaniline             | 9.39  | 65   | 19083    | 7.724  | nq    | # 78     |
| 48) Acenaphthylene             | 9.70  | 152  | 151352   | 10.439 | nq    | 100      |
| 49) Dimethylphthalate          | 9.56  | 163  | 95590    | 8.424  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 17477    | 7.327  | nq    | 90       |
| 51) Acenaphthene               | 9.87  | 154  | 82597    | 9.324  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.80  | 138  | 21220    | 7.550  | nq    | 97       |
| 54) Dibenzofuran               | 10.05 | 168  | 120783   | 9.659  | nq    | 96       |
| 55) 4-Nitrophenol              | 10.00 | 139  | 19532    | 13.300 | nq    | 88       |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 21192    | 7.377  | nq    | # 88     |
| 57) Fluorene                   | 10.39 | 166  | 103799   | 10.025 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 17069m   | 8.196  | nq    |          |
| 59) Diethylphthalate           | 10.26 | 149  | 87798    | 7.924  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204  | 38376    | 7.876  | nq    | 91       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 21287    | 7.938  | nq    | 84       |
| 62) Azobenzene                 | 10.54 | 77   | 85724    | 9.229  | nq    | 82       |
| 65) n-Nitrosodiphenylamine     | 10.50 | 169  | 74224    | 7.848  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.87 | 248  | 21157    | 7.844  | nq    | 89       |
| 67) Hexachlorobenzene          | 10.94 | 284  | 21085    | 7.641  | nq    | 95       |
| 68) Atrazine                   | 11.02 | 200  | 22536    | 7.933  | nq    | 97       |
| 69) Pentachlorophenol          | 11.15 | 266  | 13782    | 11.689 | nq    | 96       |
| 70) Phenanthrene               | 11.36 | 178  | 448296   | 31.006 | nq    | 98       |
| 71) Anthracene                 | 11.41 | 178  | 208382   | 14.199 | nq    | 100      |
| 72) Carbazole                  | 11.57 | 167  | 135939   | 9.850  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 145218   | 8.250  | nq    | # 98     |
| 74) Fluoranthene               | 12.55 | 202  | 637187   | 42.407 | nq    | 99       |
| 77) Pvrene                     | 12.79 | 202  | 585155   | 41.463 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 55651    | 8.008  | nq    | 90       |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 336798   | 28.625 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 27021    | 6.327  | nq    | 98       |
| 82) Chrysene                   | 14.02 | 228  | 293488   | 26.533 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 83294    | 8.535  | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.56 | 149  | 126758   | 7.567  | nq    | 95       |
| 85) Indeno(1,2,3-cd)pvrene     | 16.94 | 276  | 138536   | 13.643 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 309767   | 30.910 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 15.06 | 252  | 170616m  | 18.054 | nq    |          |
| 89) Benzo(a)pyrene             | 15.40 | 252  | 242979   | 26.991 | nq    | 96       |
| 90) Dibenzo(a,h)anthracene     | 16.94 | 278  | 72074    | 9.010  | nq    | # 96     |
| 91) Benzo(g,h,i)perylene       | 17.39 | 276  | 118973   | 15.202 | nq    | 96       |

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





#1

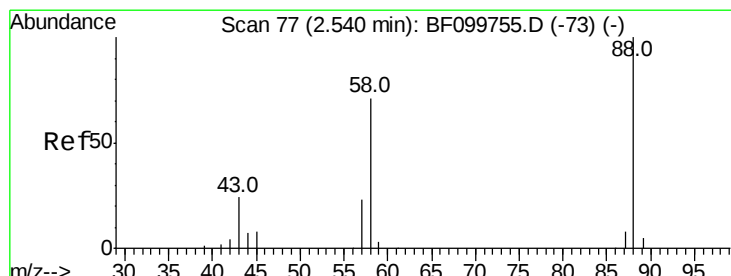
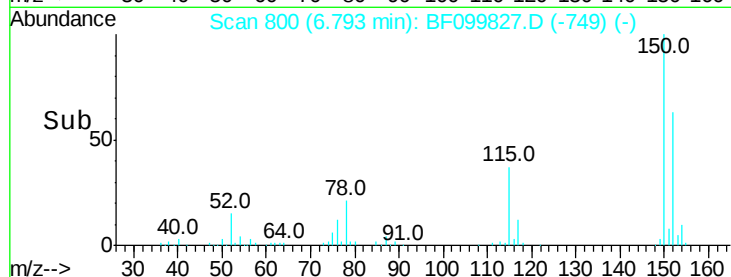
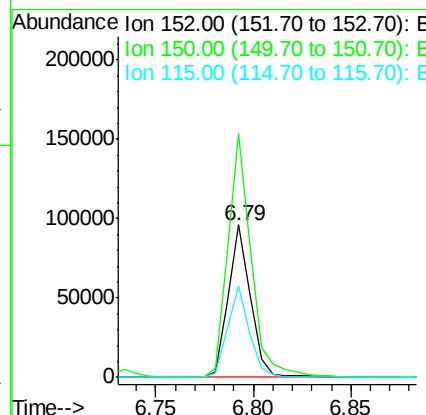
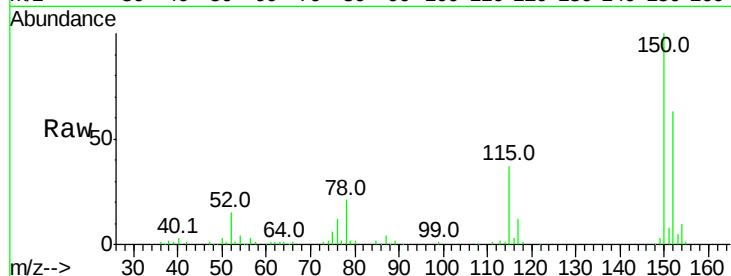
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.9 | 124.6 | 186.8 |
| 115     | 59.9  | 50.1  | 75.1  |

Manual Integrations  
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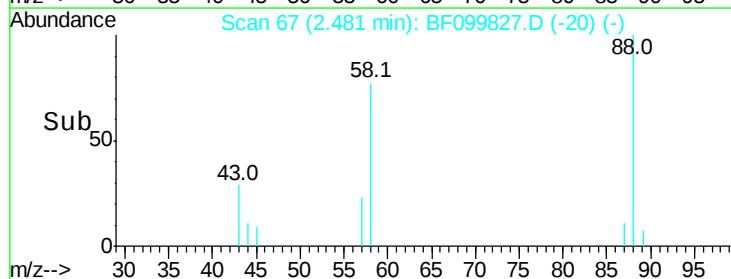
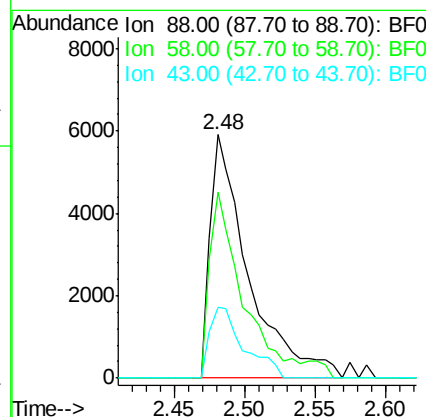
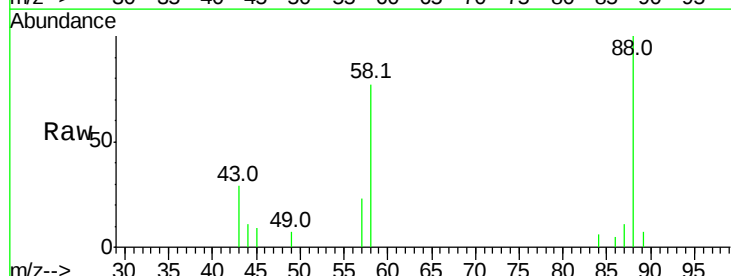
Sohil  
10/27/2017 8:59:17 AM

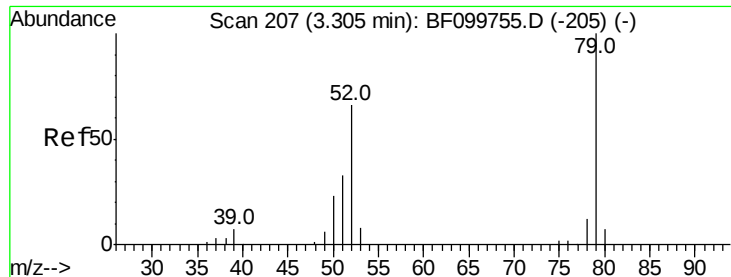


#2

1,4-Dioxane  
Concen: 5.229 ng  
RT: 2.48 min Scan# 67  
Delta R.T. -0.02 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.4  | 62.6  | 93.8  |
| 43      | 25.8  | 24.6  | 37.0  |





#3

Pvridine

Concen: 5.678 ng/ml

RT: 3.36 min Scan# 216

Delta R.T. 0.08 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

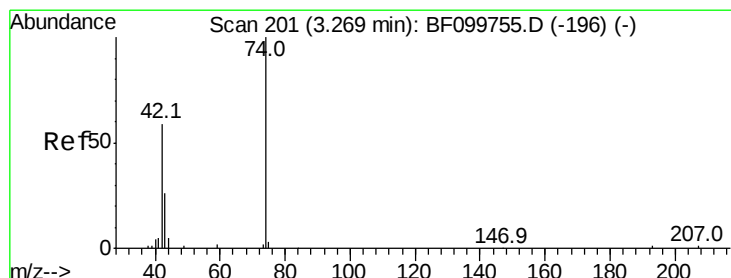
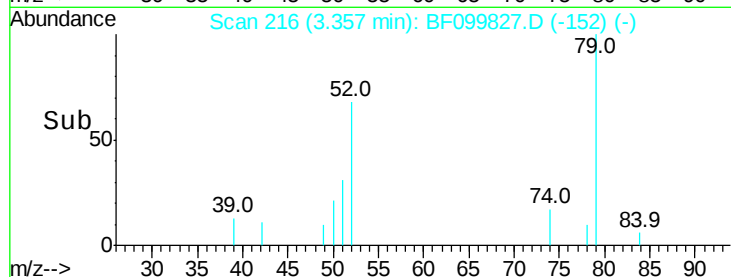
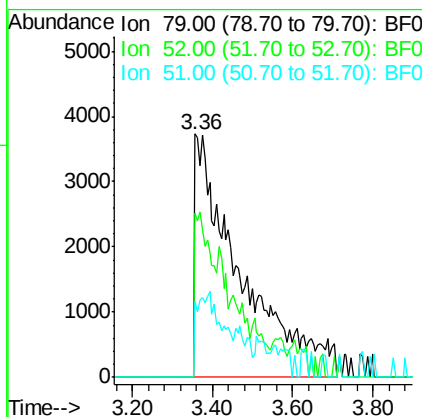
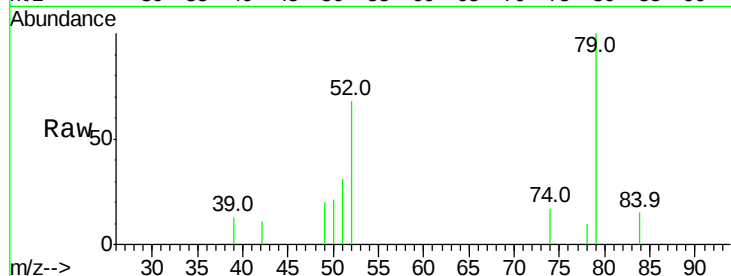
ClientSampled :

SB-06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 29086 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 67.6  | 59.8  | 89.6  |
| 51        | 31.4  | 29.8  | 44.8  |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 3.684 ng/ml

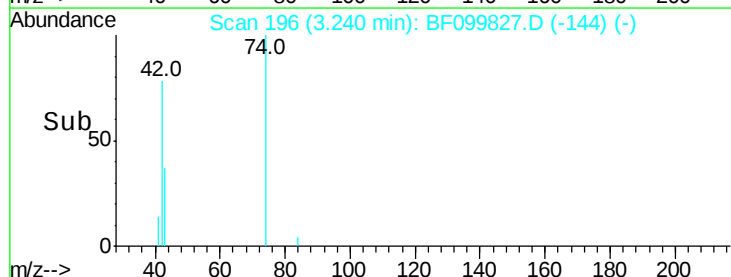
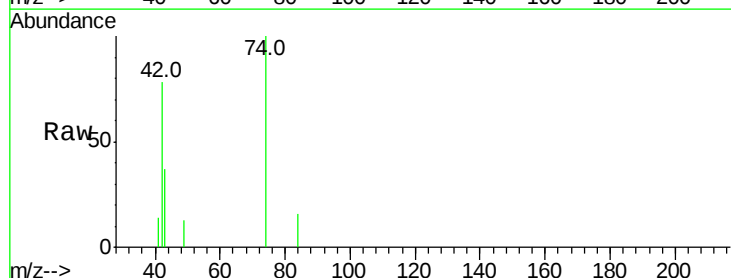
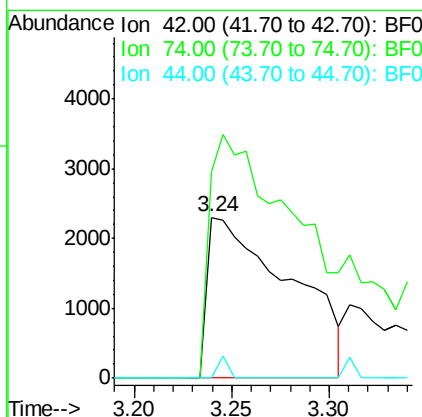
RT: 3.24 min Scan# 196

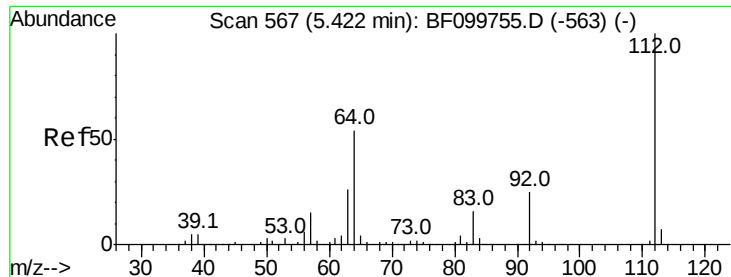
Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 6743  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 128.4 | 104.9 | 157.3 |
| 44        | 0.0   | 6.9   | 10.3# |





#5

2-Fluorophenol

Concen: 22.477 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

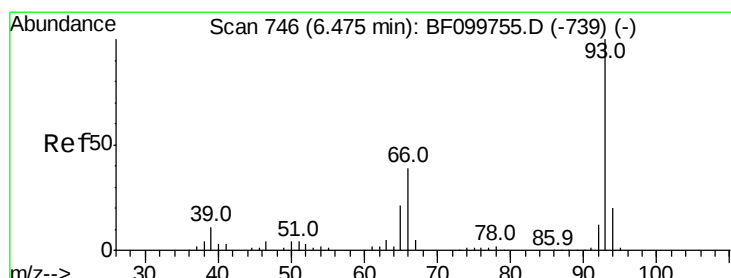
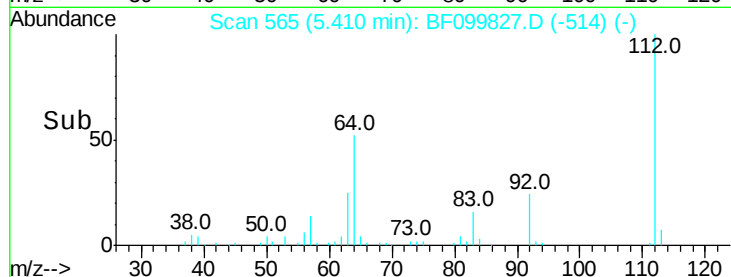
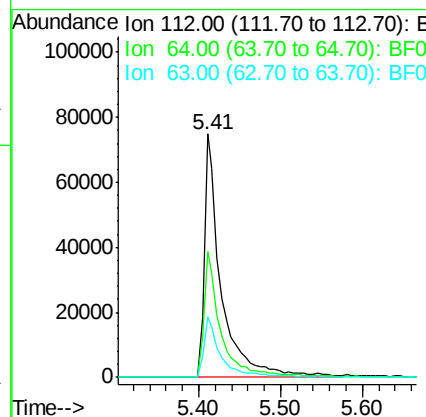
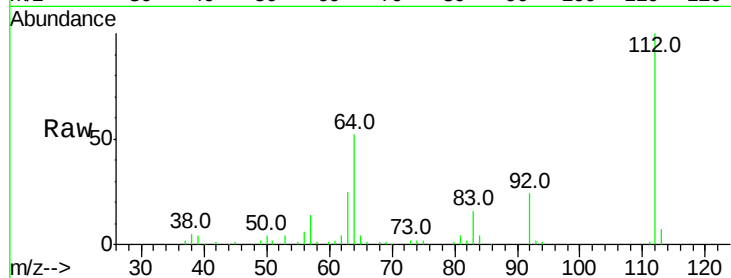
ClientSampled :

SB-06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 108428 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 51.8  | 47.9  | 71.9   |
| 63        | 24.8  | 23.7  | 35.5   |

Manual Integrations  
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#6

Aniline

Concen: 5.201 ng

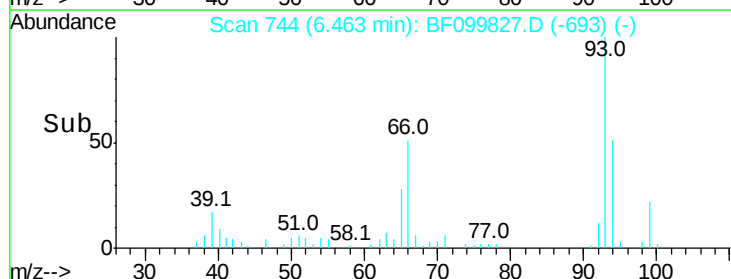
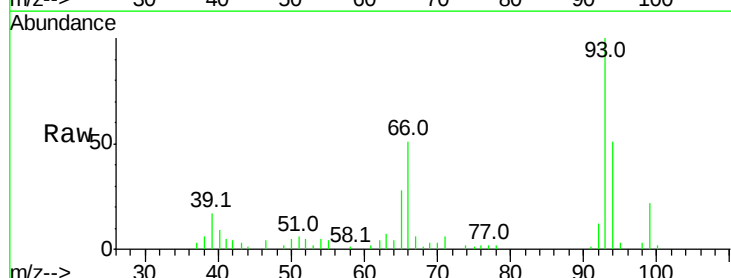
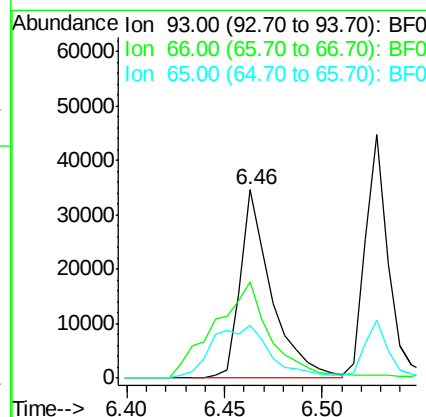
RT: 6.46 min Scan# 744

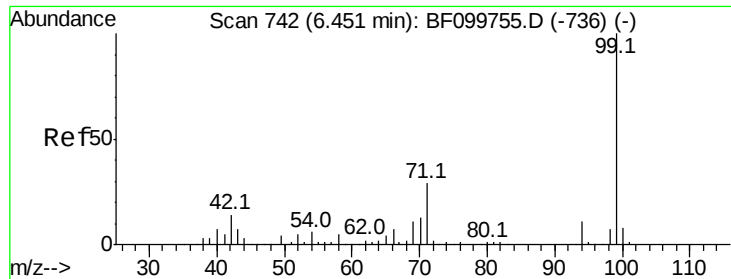
Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 38576 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 51.3  | 32.2  | 48.2# |
| 65        | 28.1  | 16.4  | 24.6# |





#7

Phenol-d6

Concen: 23.908 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

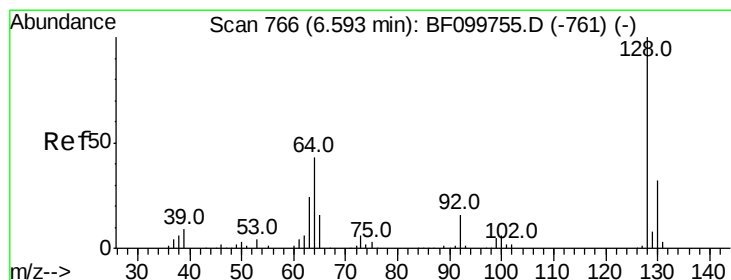
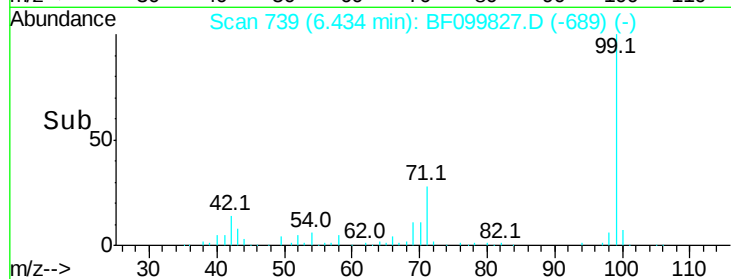
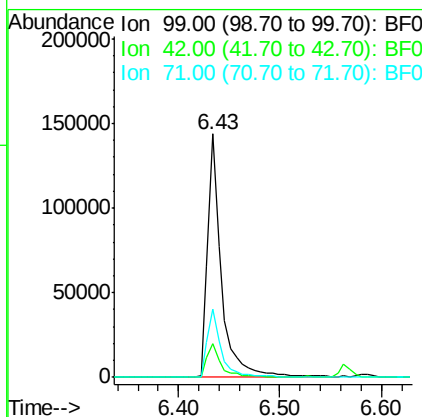
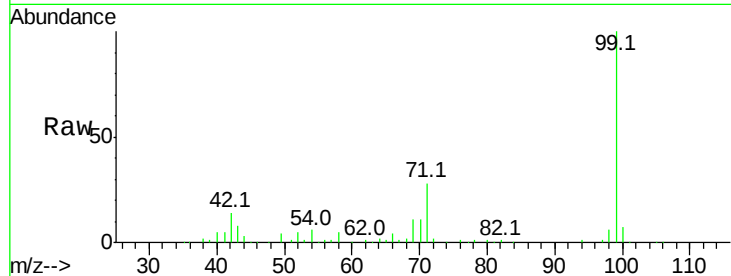
ClientSampleId :

SB-06

| Tot Ion   | 99    | Resp  | 136751 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 13.6  | 14.5  | 21.7#  |
| 71        | 28.1  | 25.4  | 38.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 7.916 ng

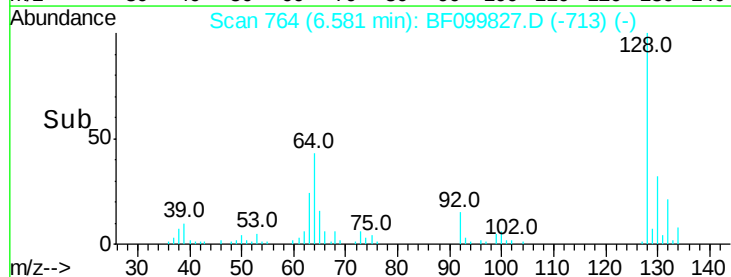
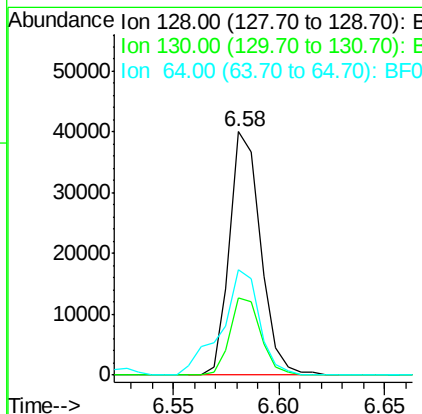
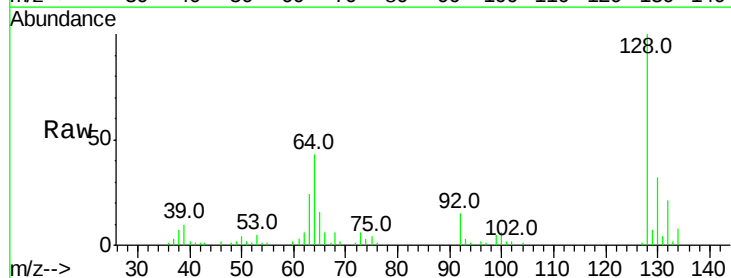
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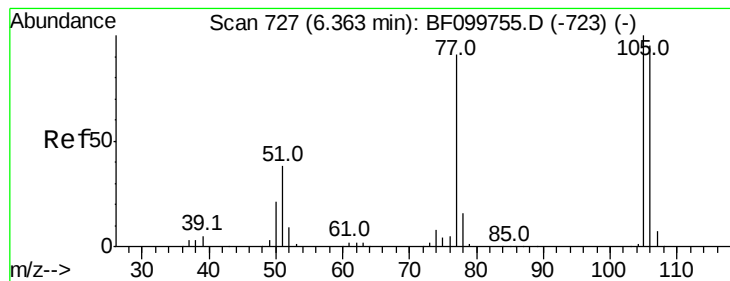
Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

| Tgt Ion   | 128   | Resp  | 40697 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 31.6  | 13.0  | 53.0  |
| 64        | 43.4  | 29.4  | 69.4  |





#9

Benzaldehyde

Concen: 7.185 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

ClientSampled :

SB-06

Tot Ion: 77 Resp: 24559

Ion Ratio Lower Upper

77 100

105 107.6 81.1 121.1

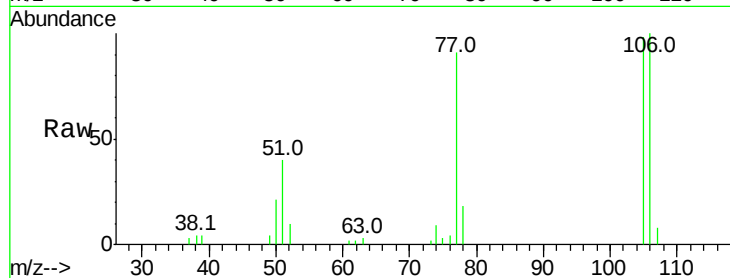
106 109.6 74.5 114.5

Manual Integrations

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Sohil

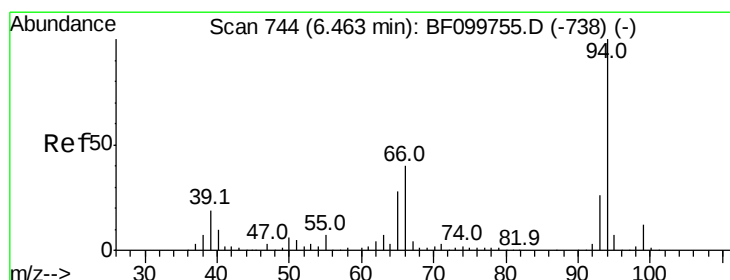
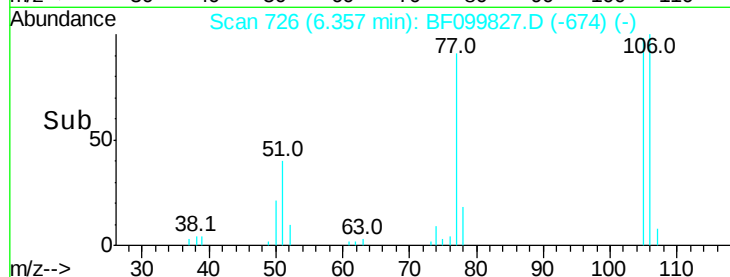
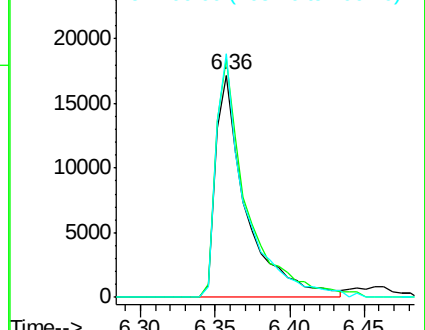
10/27/2017 8:59:17 AM



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 8.971 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

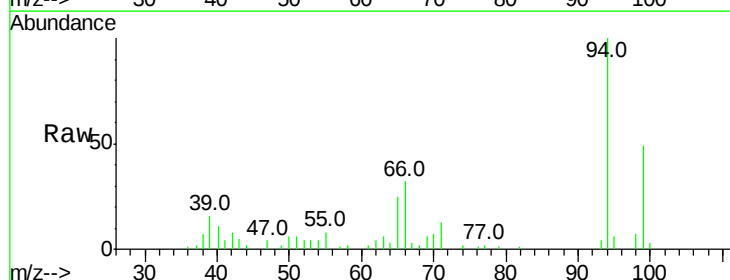
Tgt Ion: 94 Resp: 56342

Ion Ratio Lower Upper

94 100

65 24.6 7.9 47.9

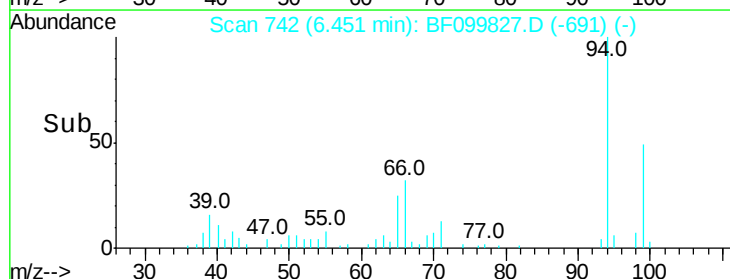
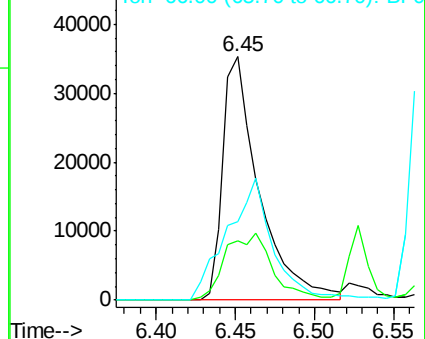
66 32.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





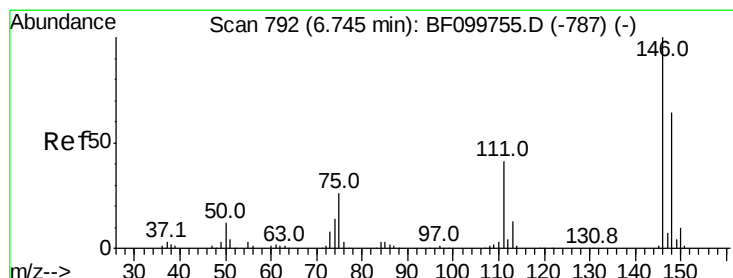
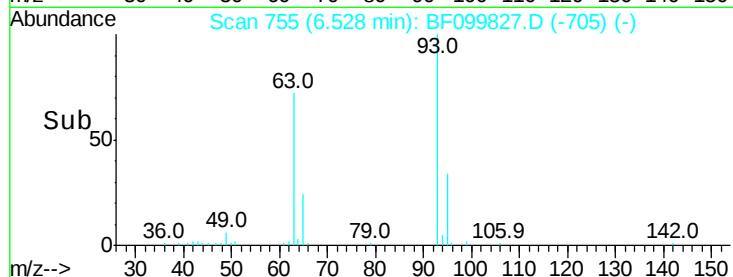
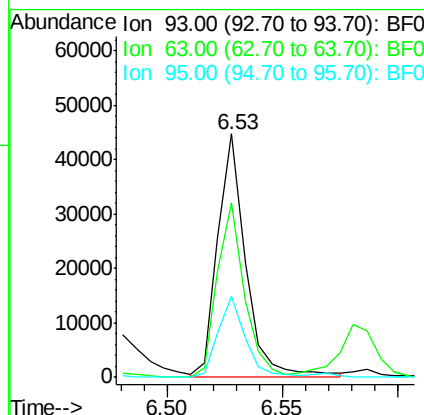
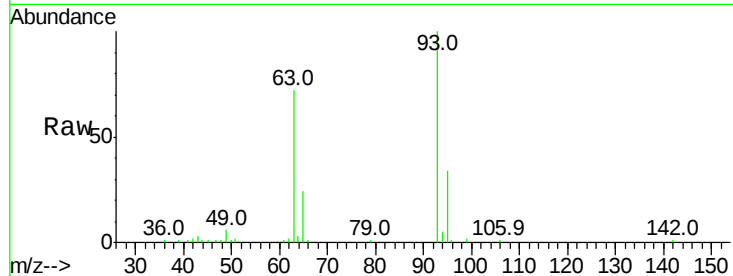
#11  
bis(2-Chloroethyl)ether  
Concen: 7.810 ng  
RT: 6.53 min Scan# 755  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 71.7  | 58.6  | 98.6  |
| 95      | 33.5  | 11.8  | 51.8  |

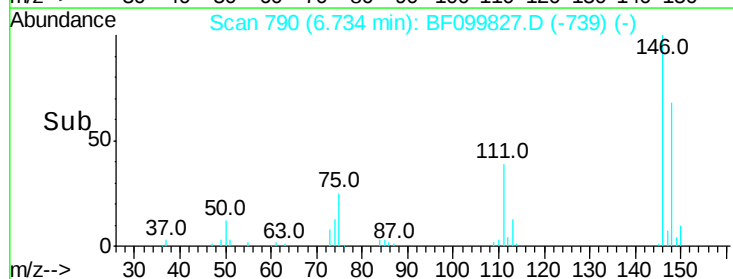
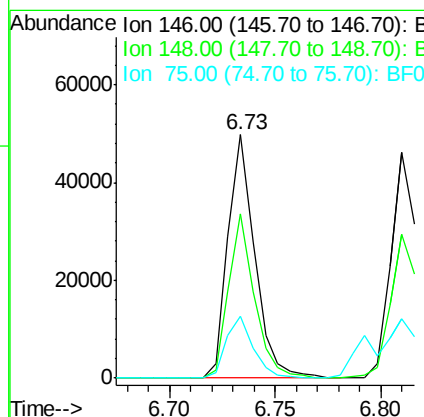
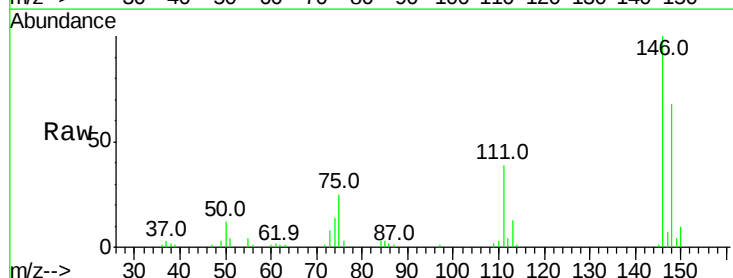
Manual Integrations  
APPROVED

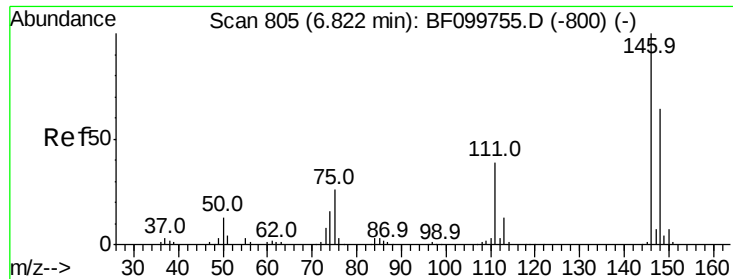
Sohil  
10/27/2017 8:59:17 AM



#12  
1,3-Dichlorobenzene  
Concen: 7.561 ng  
RT: 6.73 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.6  | 51.8  | 77.8  |
| 75      | 25.4  | 24.2  | 36.4  |





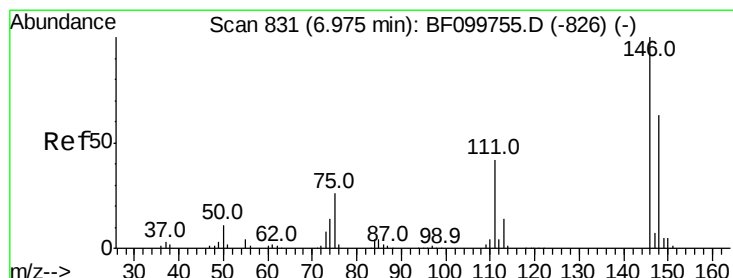
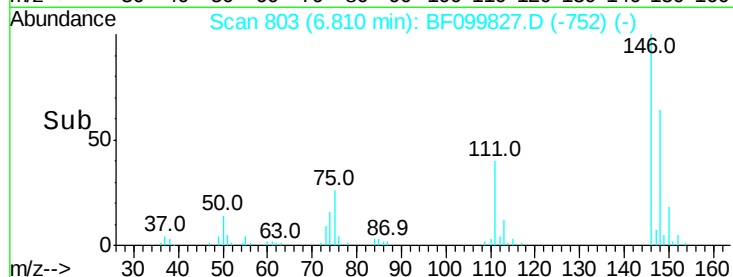
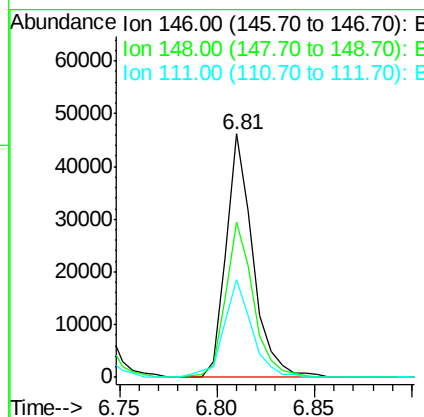
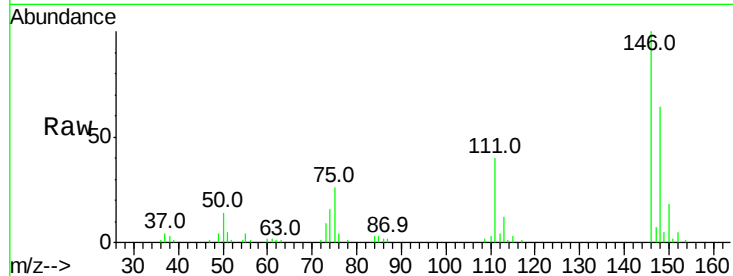
#13  
 1,4-Dichlorobenzene  
 Concen: 7.507 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 50.8  | 76.2  |
| 111     | 40.2  | 34.2  | 51.2  |

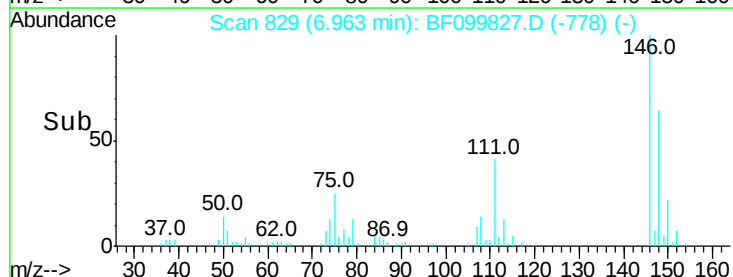
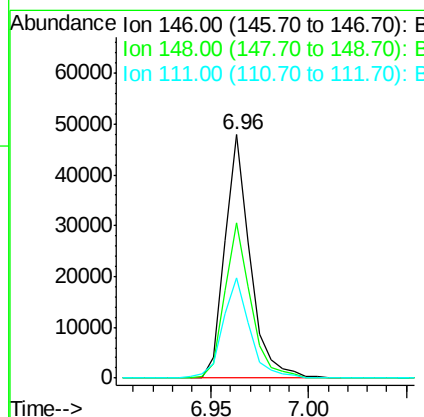
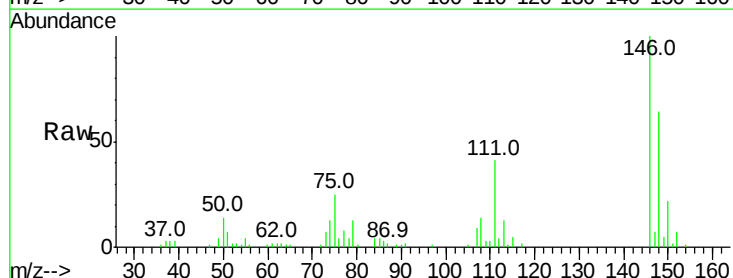
Manual Integrations  
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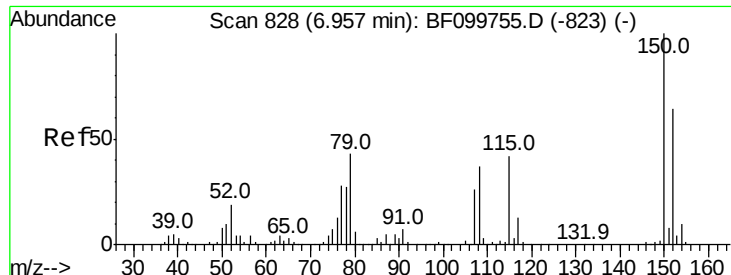
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 10/27/2017 8:59:17 AM



#14  
 1,2-Dichlorobenzene  
 Concen: 8.044 ng  
 RT: 6.96 min Scan# 829  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 50.6  | 75.8  |
| 111     | 40.9  | 36.0  | 54.0  |





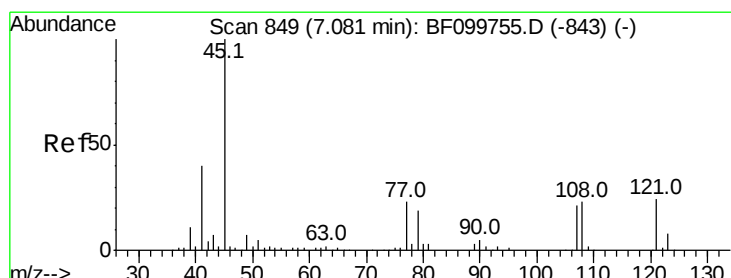
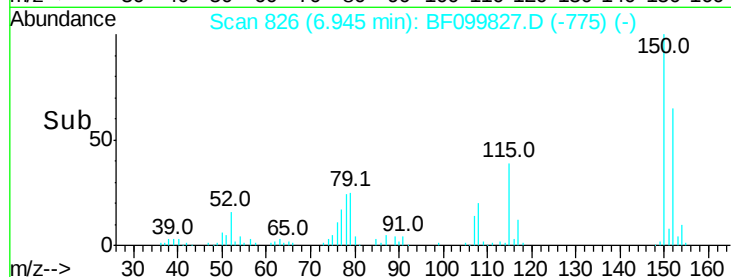
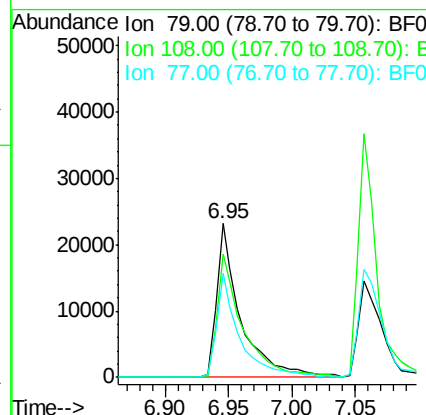
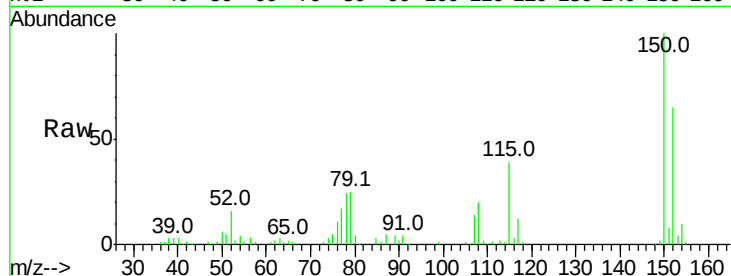
#15  
Benzyl Alcohol  
Concen: 8.393 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 80.5  | 65.1  | 97.7  |
| 77      | 67.4  | 50.6  | 75.8  |

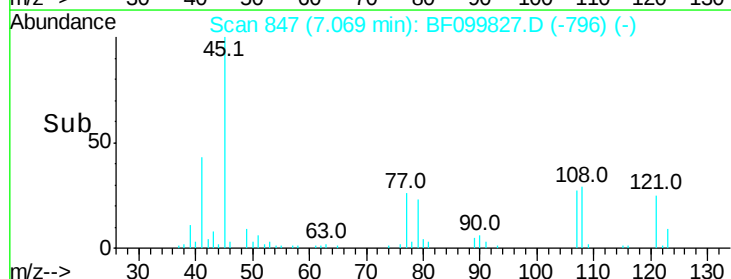
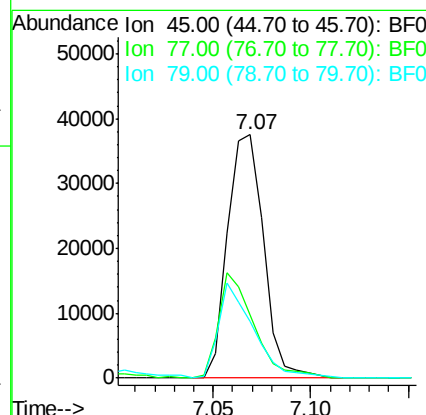
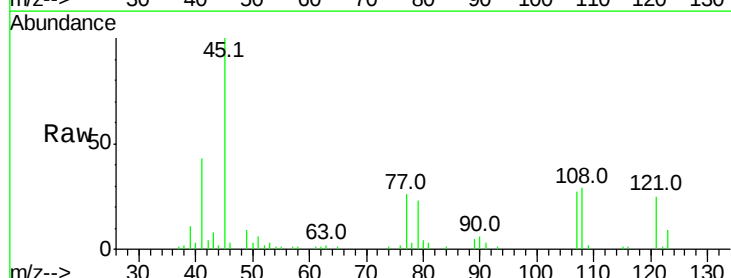
Manual Integrations  
APPROVED

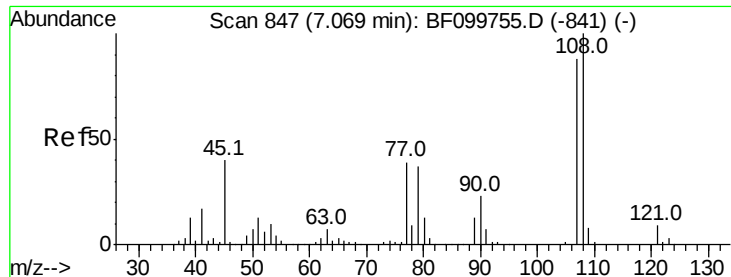
Sohil  
10/27/2017 8:59:17 AM



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 8.944 ng  
RT: 7.07 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 26.1  | 0.0   | 32.9  |
| 79      | 23.1  | 0.0   | 29.6  |





#17

2-Methylphenol

Concen: 7.820 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

ClientSampled :

SB-06

Tot Ion:107 Resp: 33631

Ion Ratio Lower Upper

107 100

108 111.5 91.7 137.5

77 49.3 33.8 50.8

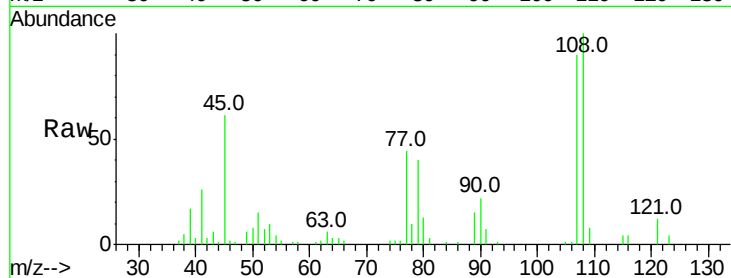
79 44.4 33.8 50.8

Manual Integrations

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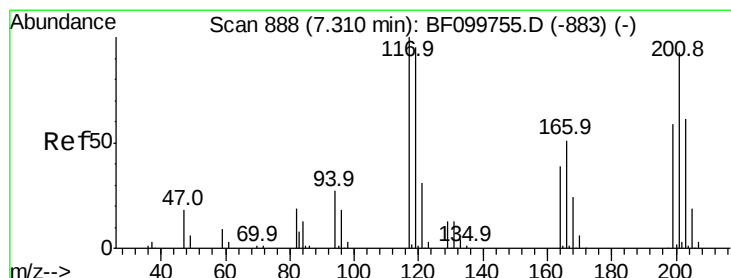
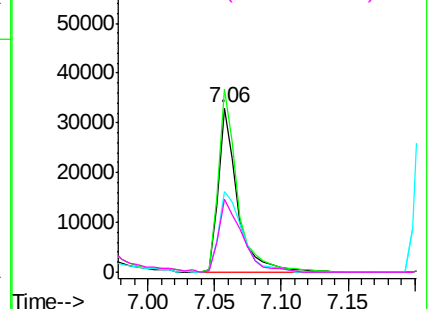
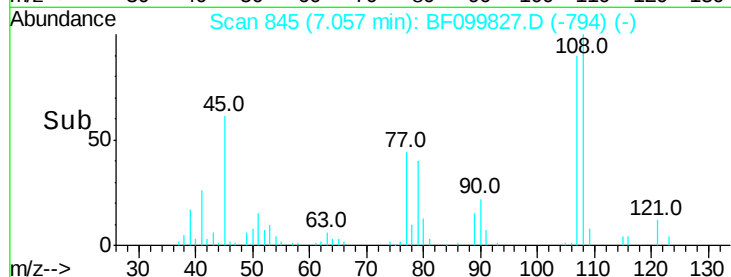


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 5.450 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

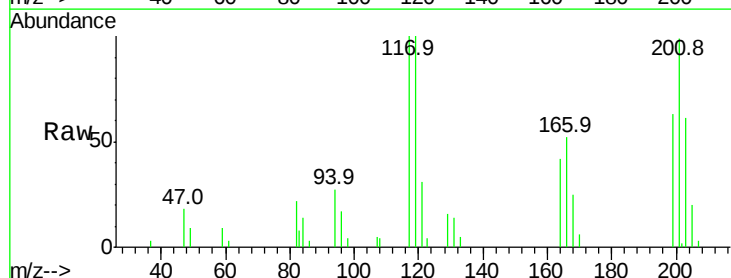
Tgt Ion:117 Resp: 10653

Ion Ratio Lower Upper

117 100

119 100.3 75.8 113.8

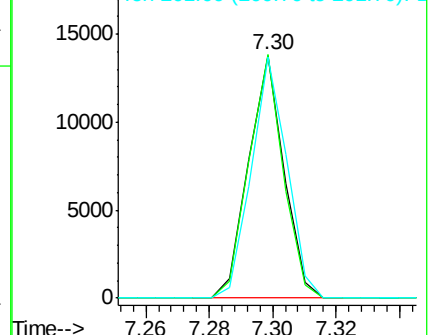
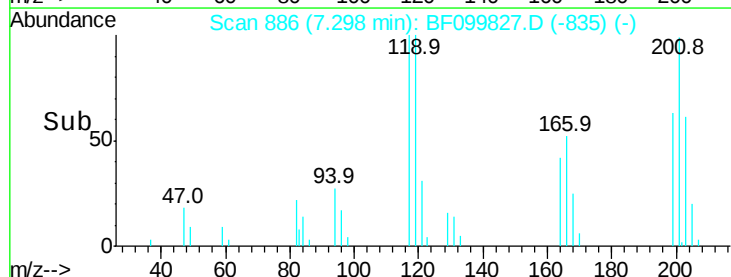
201 99.1 75.7 113.5

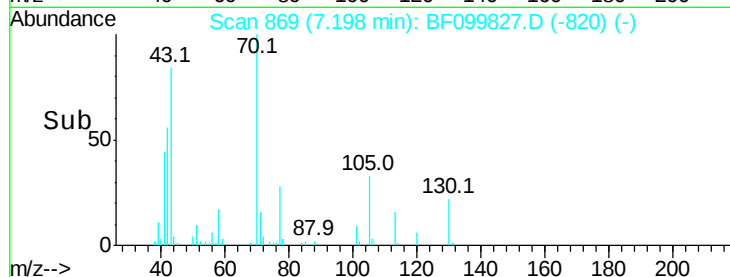
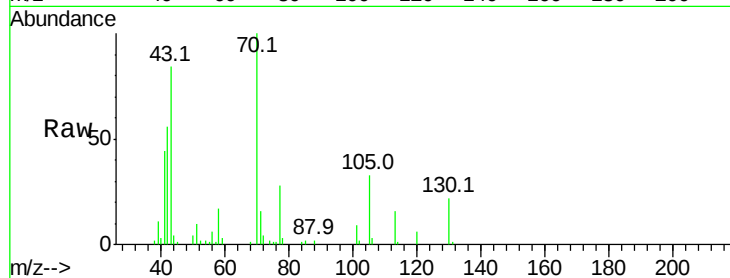
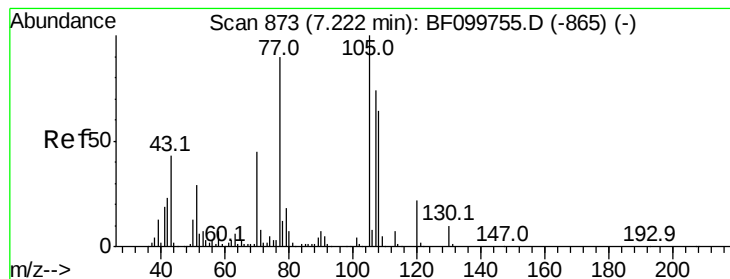


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 7.806 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

ClientSampled :

SB-06

Tot Ion: 70 Resp: 26165

Ion Ratio Lower Upper

70 100

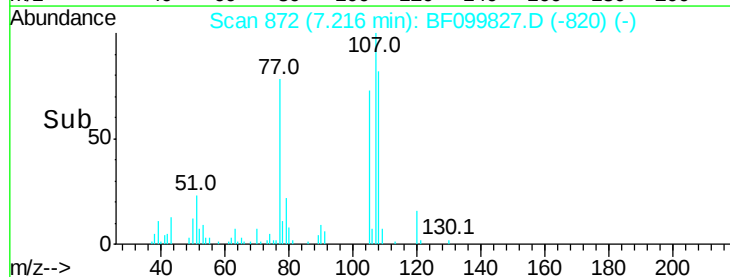
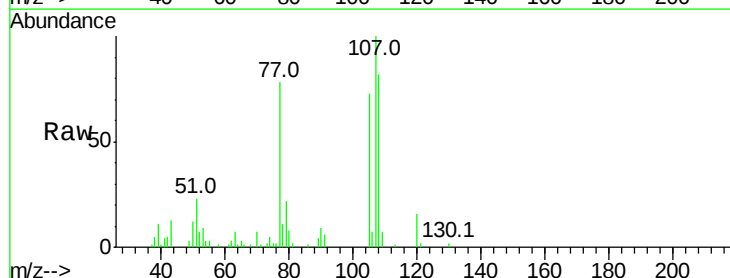
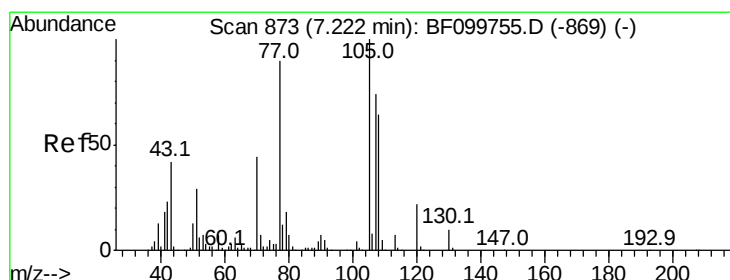
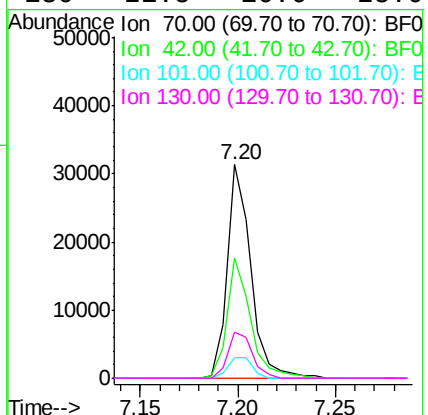
42 56.1 47.5 71.3

101 9.4 7.4 11.2

130 21.5 16.6 25.0

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#20

3+4-Methylphenols

Concen: 9.262 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Tgt Ion: 107 Resp: 46378

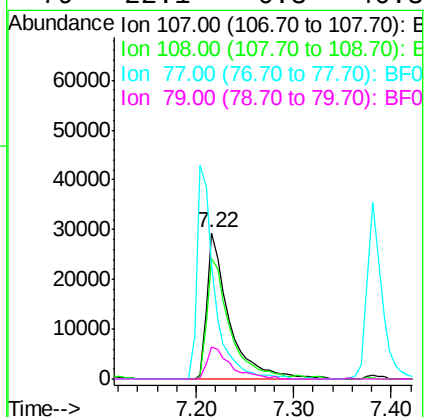
Ion Ratio Lower Upper

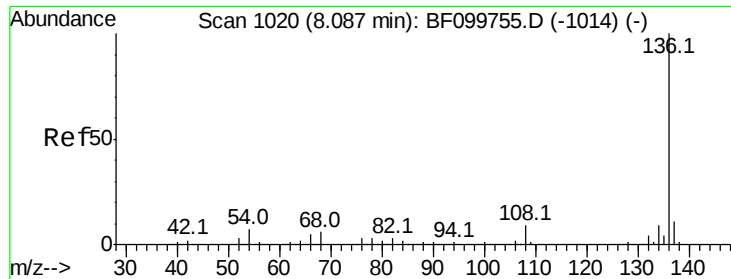
107 100

108 82.0 68.2 108.2

77 78.0 26.7 66.7#

79 22.1 6.3 46.3





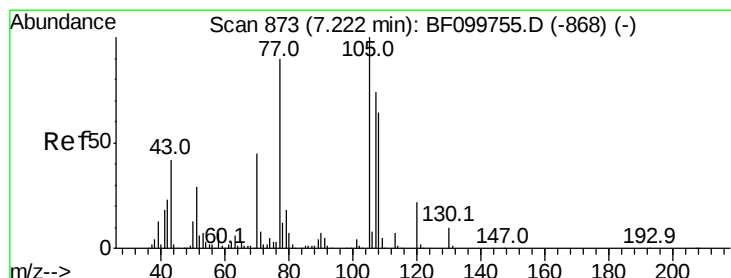
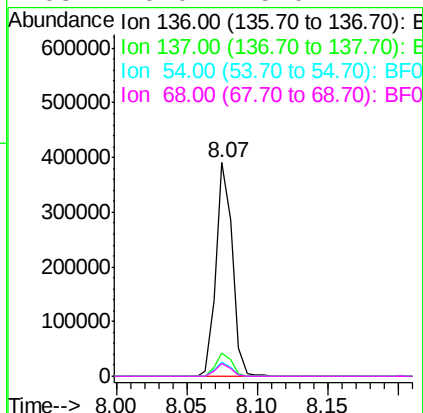
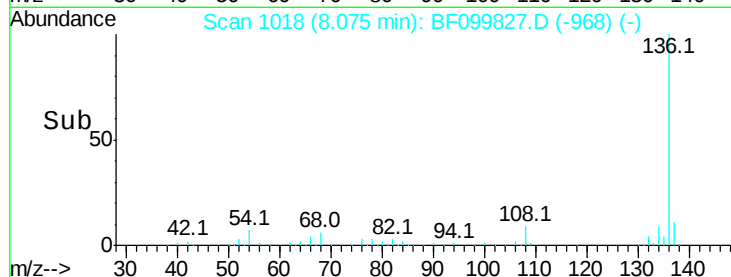
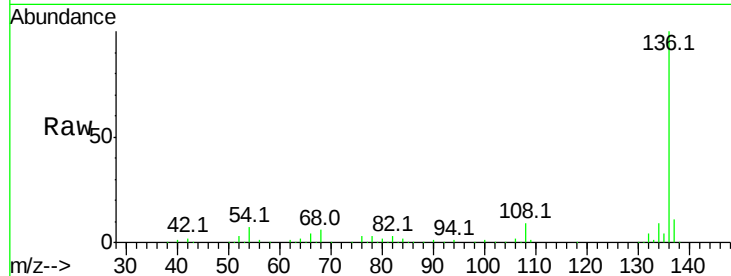
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.9  | 13.3  |       |
| 54      | 6.8   | 6.6  | 9.8   |       |
| 68      | 6.0   | 5.0  | 7.4   |       |

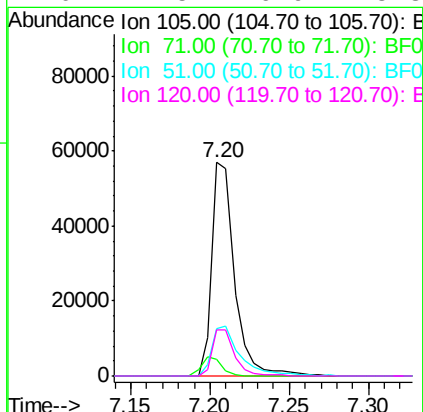
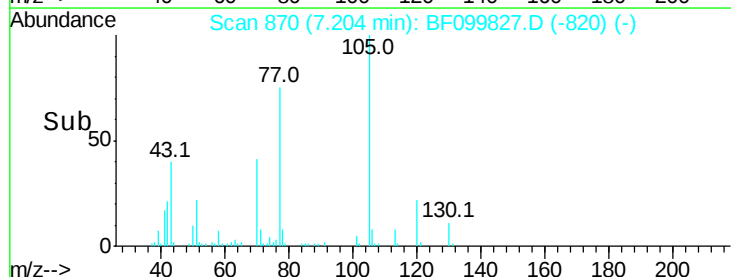
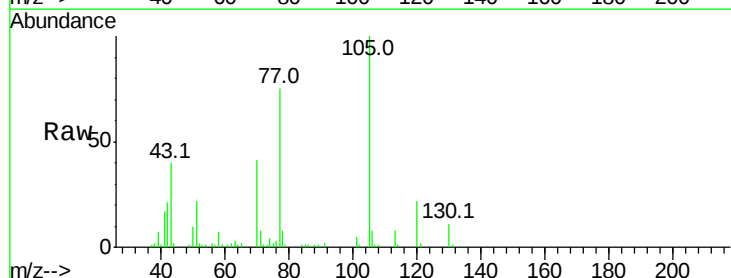
Manual Integrations  
APPROVED

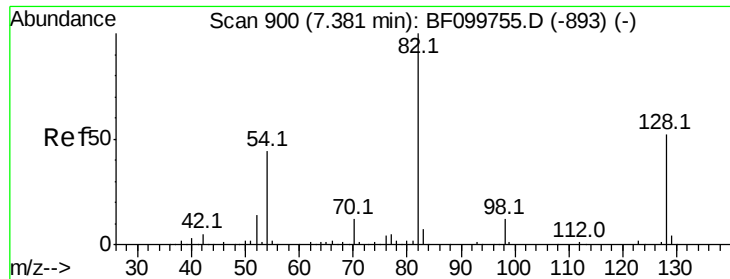
Sohil  
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#22  
Acetophenone  
Concen: 8.024 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 8.0   | 4.4  | 6.6#  |       |
| 51      | 22.1  | 22.3 | 33.5# |       |
| 120     | 21.5  | 16.9 | 25.3  |       |





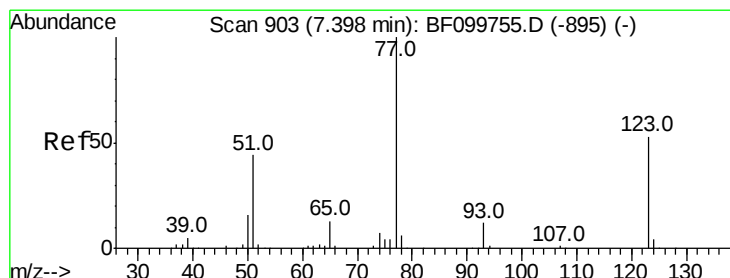
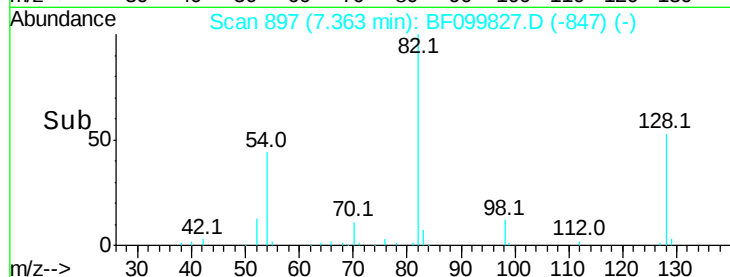
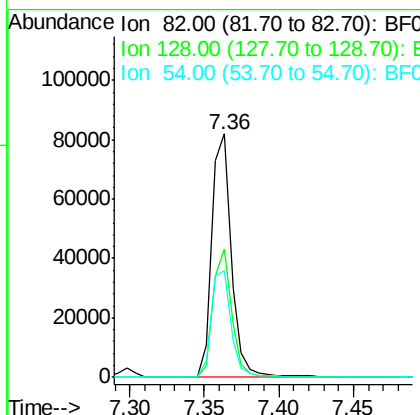
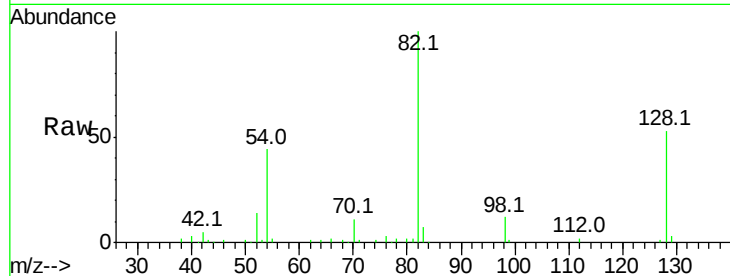
#23  
 Nitrobenzene-d5  
 Concen: 15.361 ng  
 RT: 7.36 min Scan# 897  
 Delta R.T. -0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 52.6  | 36.1  | 54.1  |
| 54      | 44.1  | 41.4  | 62.2  |

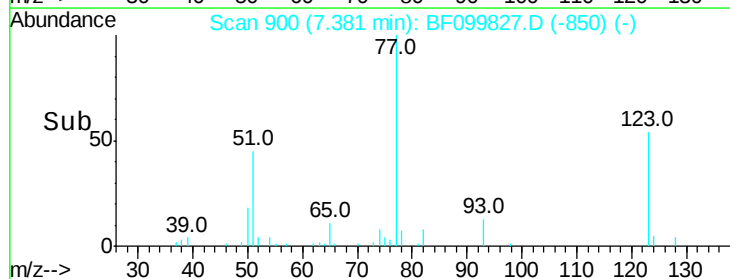
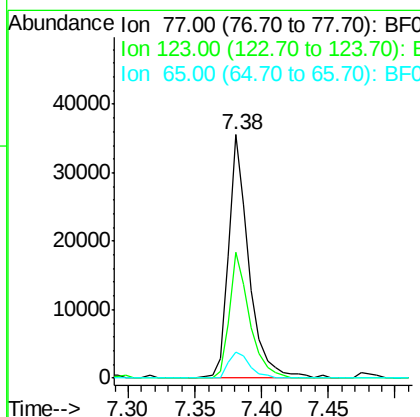
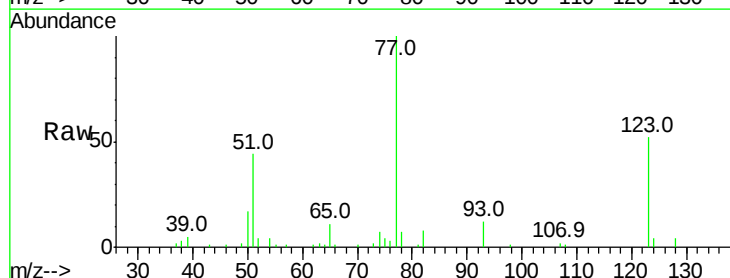
Manual Integrations  
 APPROVED

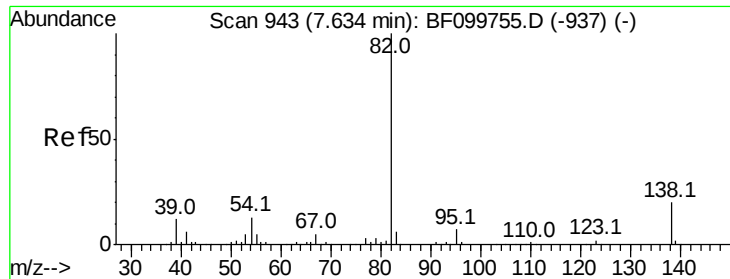
Sohil  
 10/27/2017 8:59:17 AM



#24  
 Nitrobenzene  
 Concen: 7.725 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 51.8  | 37.9  | 56.9  |
| 65      | 10.6  | 11.0  | 16.4# |





#25

Isophorone

Concen: 8.203 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

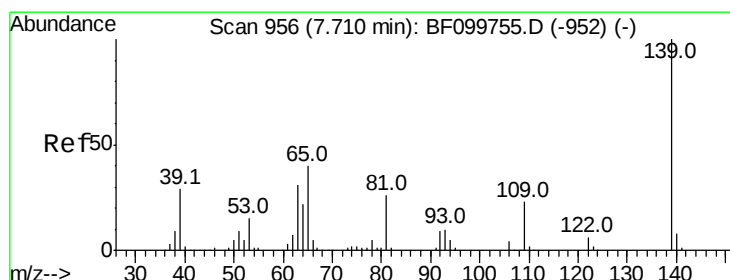
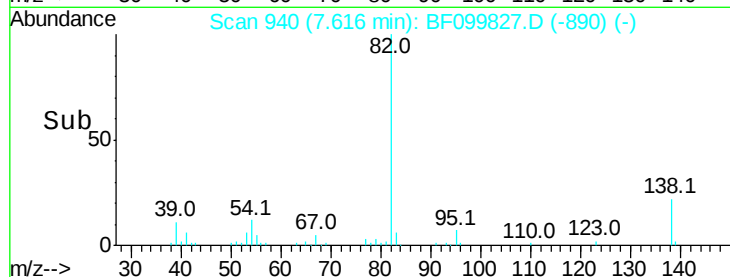
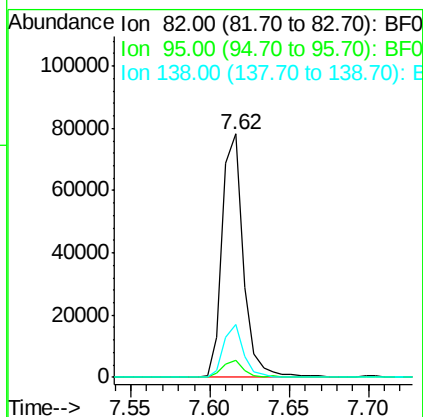
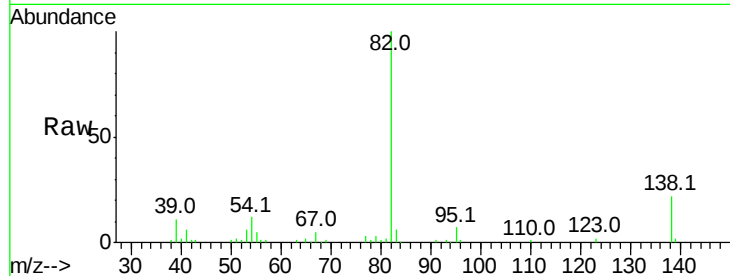
ClientSampled :

SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 6.9   | 5.2   | 7.8   |
| 138     | 21.5  | 14.9  | 22.3  |

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#26

2-Nitrophenol

Concen: 6.492 ng

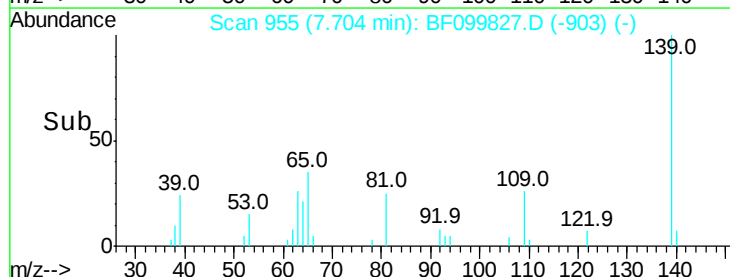
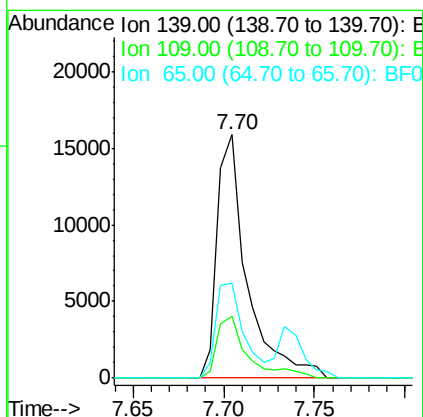
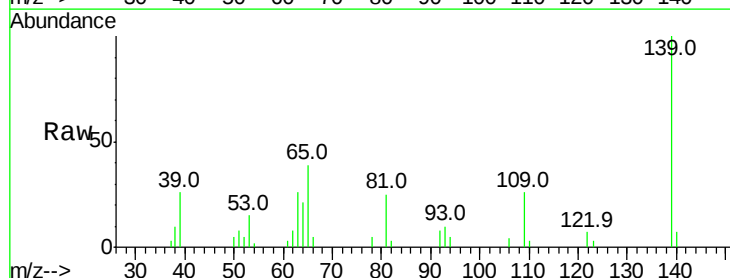
RT: 7.70 min Scan# 955

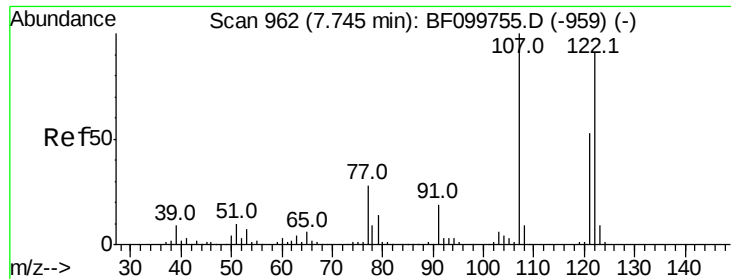
Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 25.5  | 22.7  | 34.1  |
| 65      | 39.1  | 40.5  | 60.7# |





#27

2,4-Dimethylphenol

Concen: 8.958 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

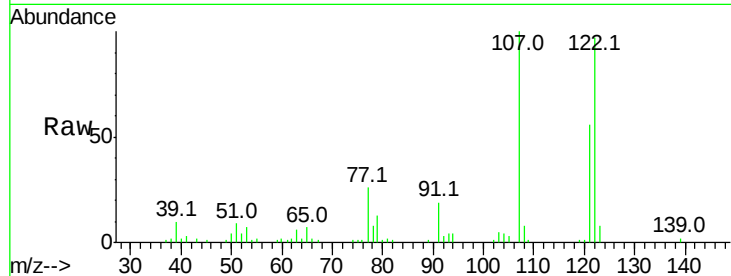
ClientSampled :

SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 103.6 | 91.2  | 136.8 |
| 121     | 57.7  | 47.2  | 70.8  |

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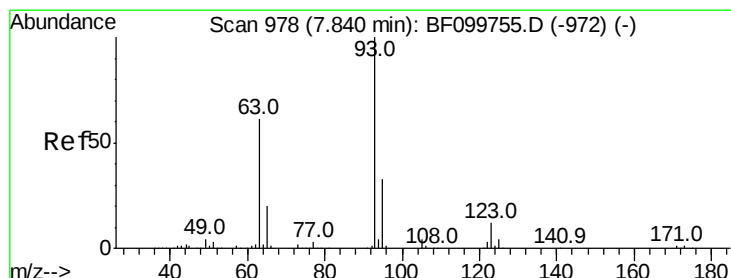
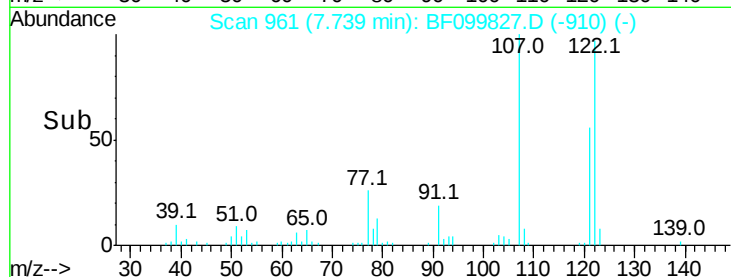
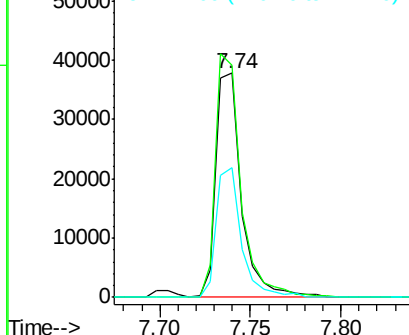
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.702 ng

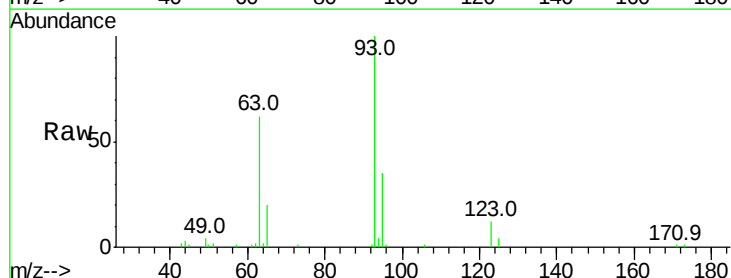
RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

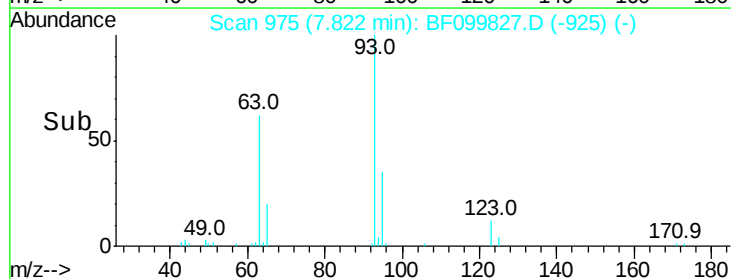
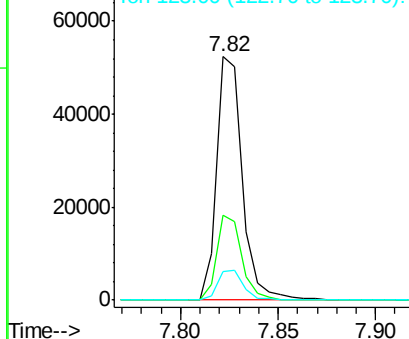
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 34.8  | 26.3  | 39.5  |
| 123     | 11.6  | 9.8   | 14.6  |

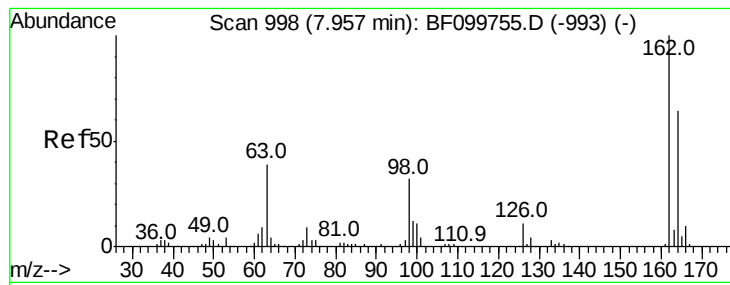


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





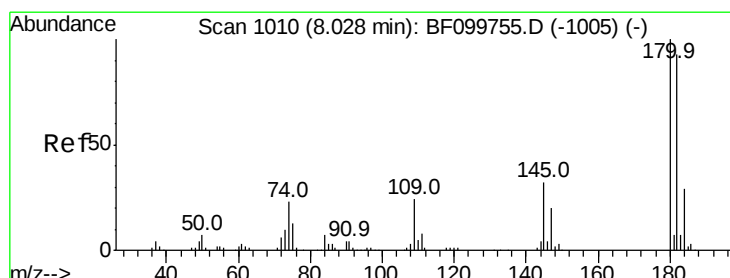
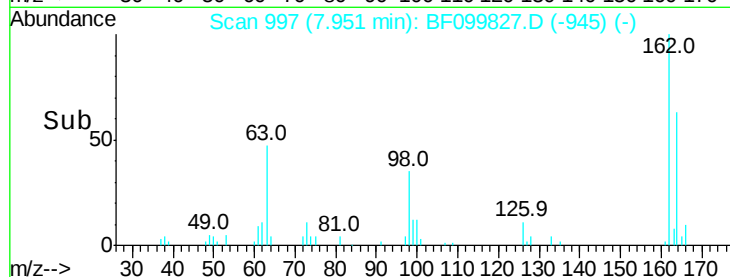
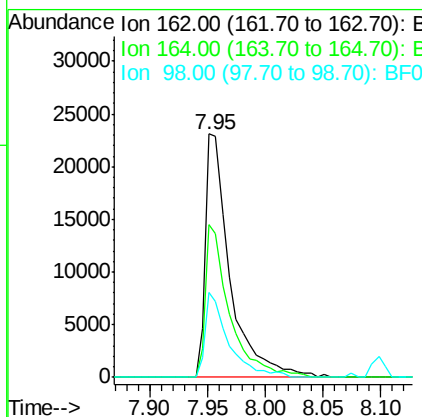
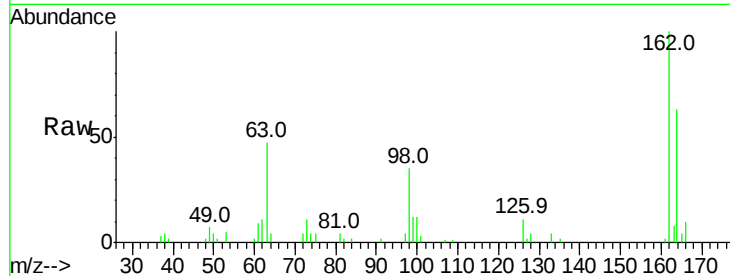
#29  
 2,4-Dichlorophenol  
 Concen: 8.033 ng  
 RT: 7.95 min Scan# 997  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 162     | 100   | 34575 |       |       |
| 164     | 62.7  |       | 42.7  | 82.7  |
| 98      | 34.9  |       | 18.1  | 58.1  |

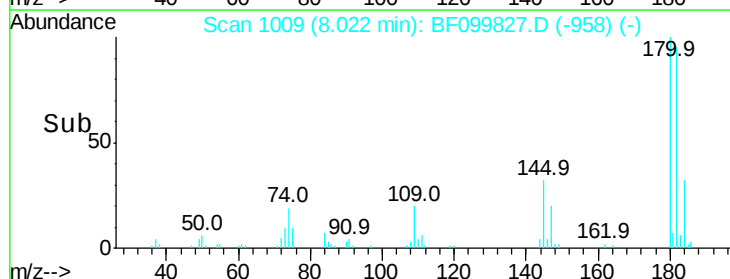
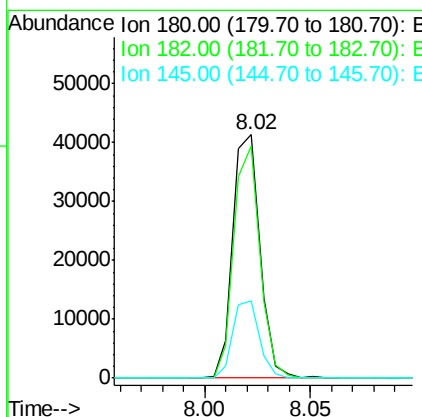
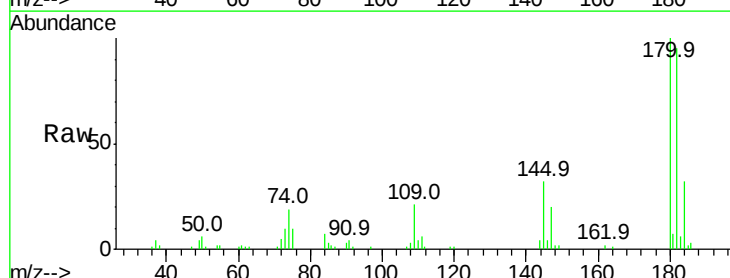
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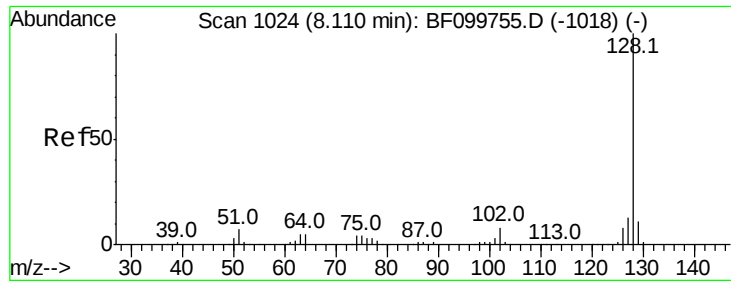
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 7.953 ng  
 RT: 8.02 min Scan# 1009  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 36575 |       |       |
| 182     | 95.2  |       | 76.8  | 115.2 |
| 145     | 31.8  |       | 26.5  | 39.7  |





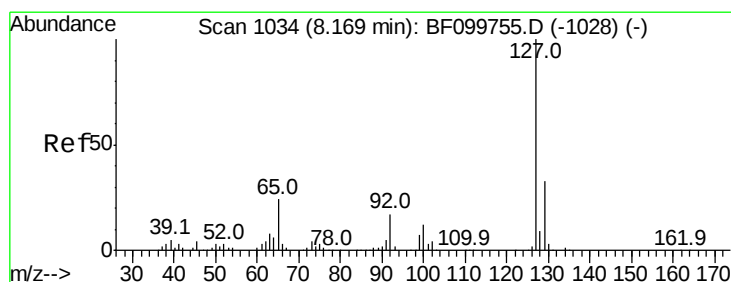
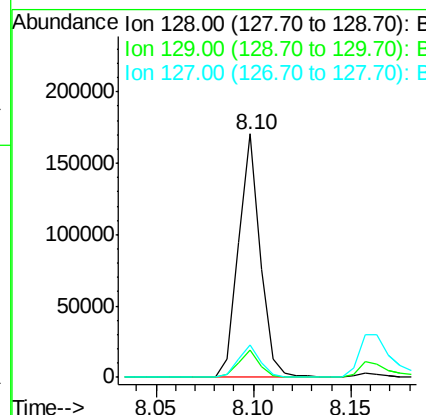
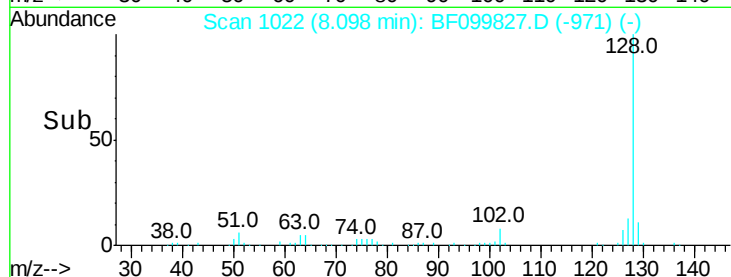
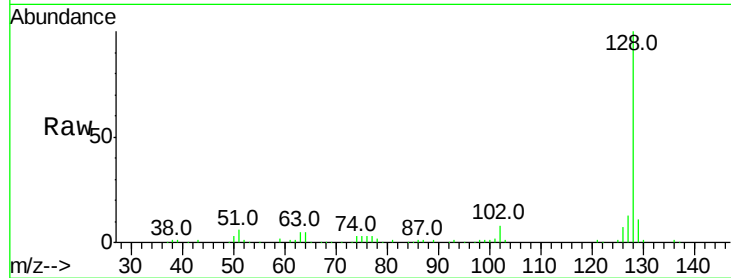
#31  
Naphthalene  
Concen: 8.688 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 8.8   | 13.2  |
| 127     | 13.4  | 10.9  | 16.3  |

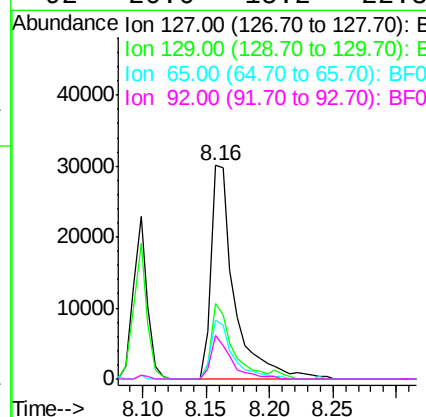
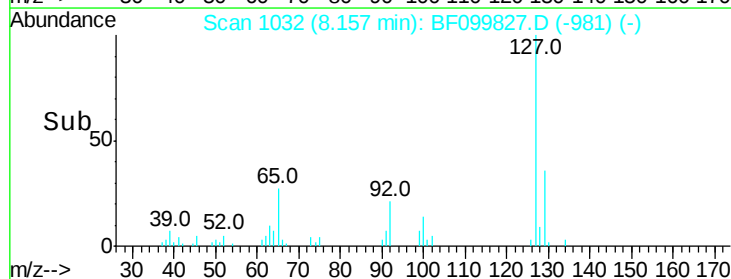
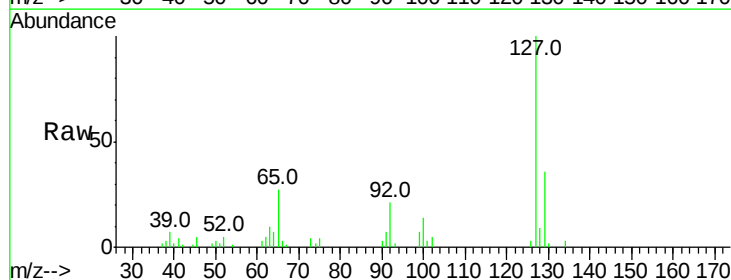
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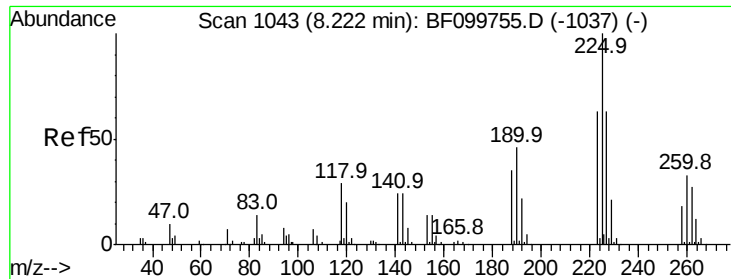
Sohil  
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#33  
4-Chloroaniline  
Concen: 6.251 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 35.6  | 25.9  | 38.9  |
| 65      | 27.5  | 25.0  | 37.4  |
| 92      | 20.6  | 15.2  | 22.8  |





#34

Hexachlorobutadiene

Concen: 7.687 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

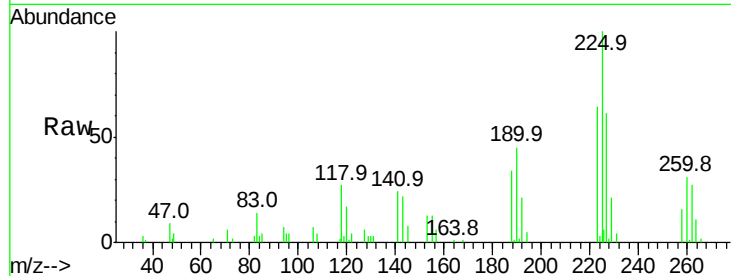
ClientSampled :

SB-06

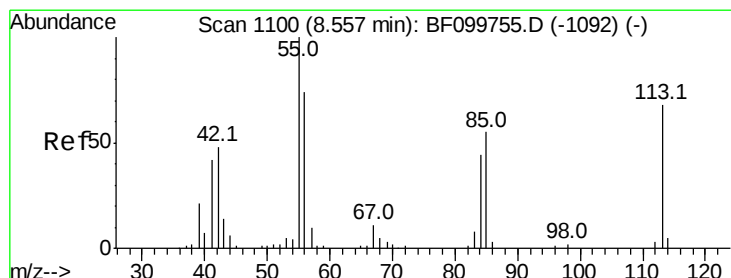
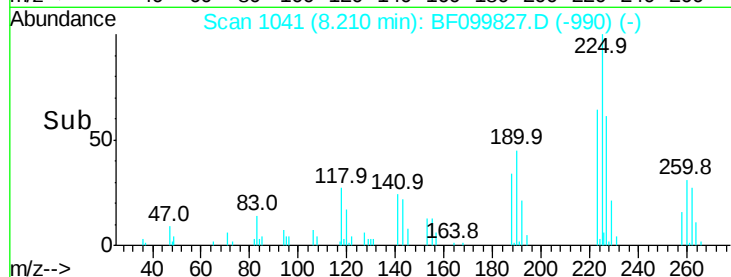
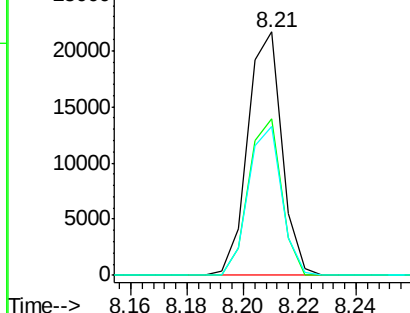
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 18182 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.5  | 50.6  | 76.0  |
| 227       | 61.3  | 51.9  | 77.9  |

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



#35

Caprolactam

Concen: 6.508 ng

RT: 8.50 min Scan# 1091

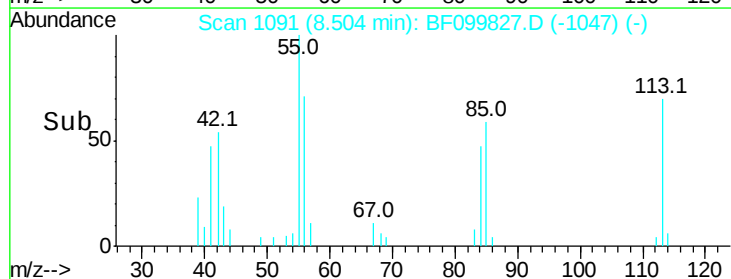
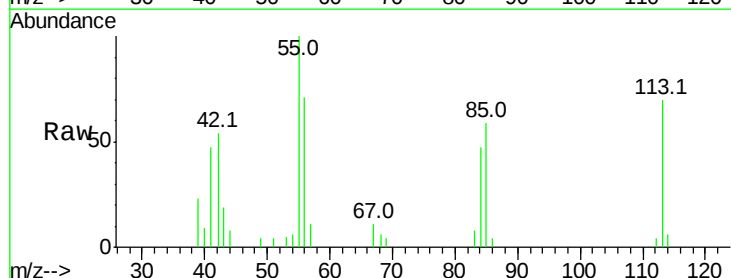
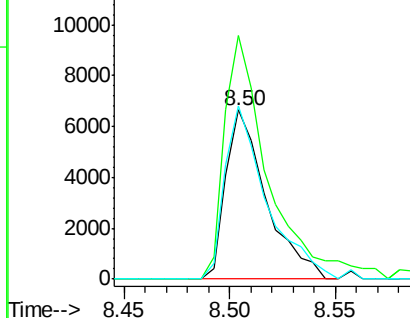
Delta R.T. -0.04 min

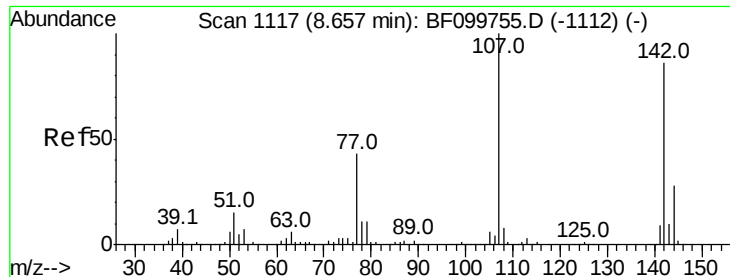
Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 8809   |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 143.8 | 163.3 | 203.3# |
| 56        | 102.4 | 115.7 | 155.7# |

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





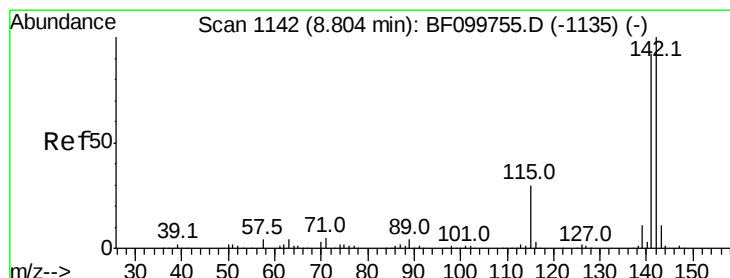
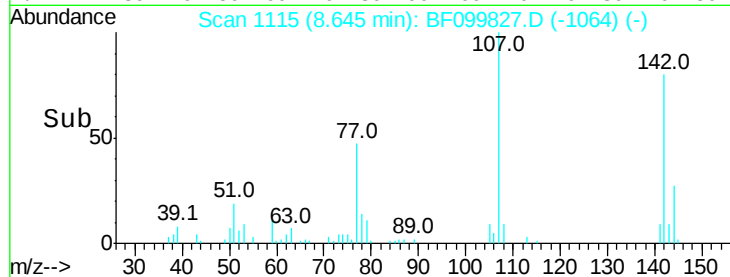
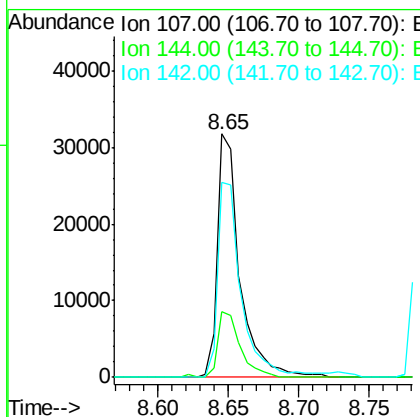
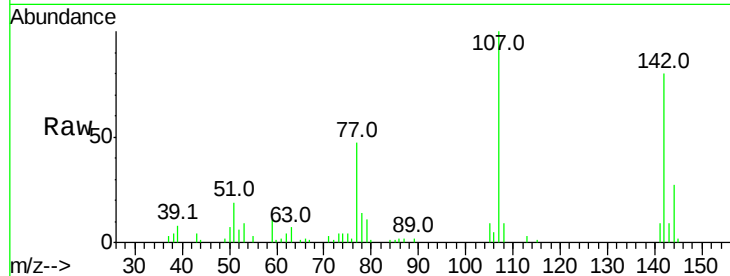
#36  
 4-Chloro-3-methylphenol  
 Concen: 7.996 ng  
 RT: 8.65 min Scan# 1115  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   | 35125 |       |       |
| 144     | 26.7  |       | 20.5  | 30.7  |
| 142     | 80.1  |       | 62.0  | 93.0  |

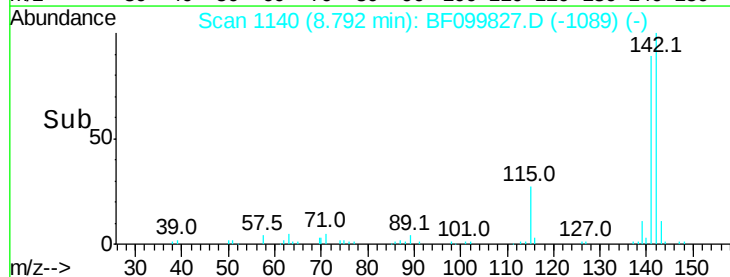
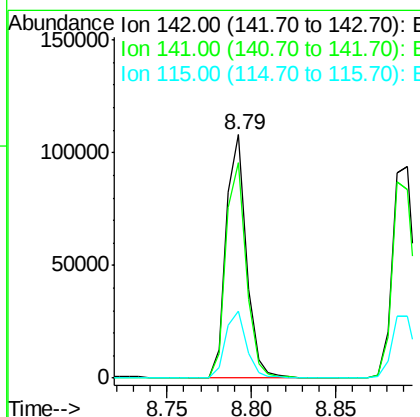
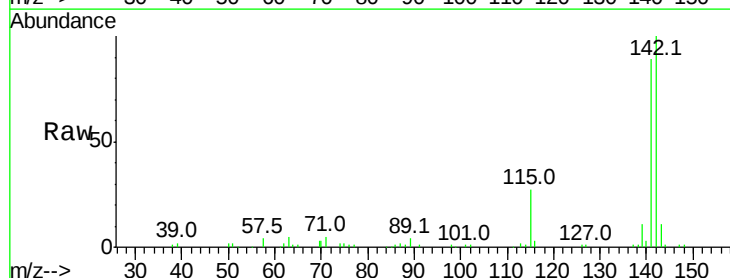
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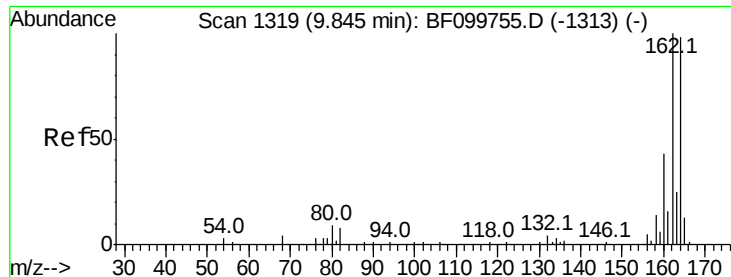
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#37  
 2-Methylnaphthalene  
 Concen: 8.915 ng  
 RT: 8.79 min Scan# 1140  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 90463 |       |       |
| 141     | 88.7  |       | 70.8  | 106.2 |
| 115     | 27.4  |       | 26.1  | 39.1  |





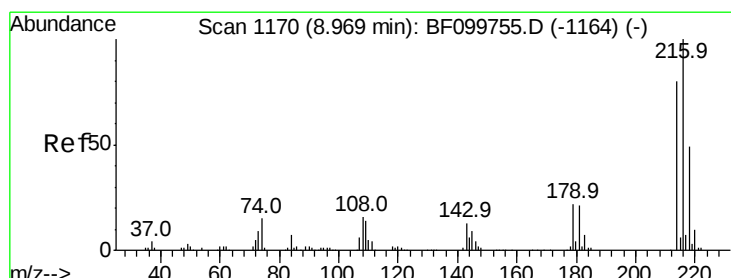
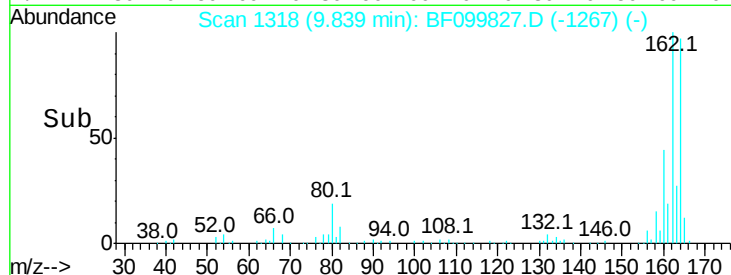
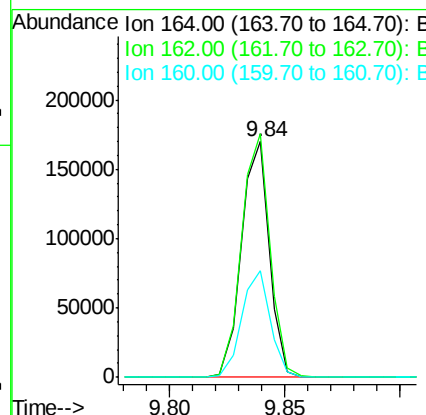
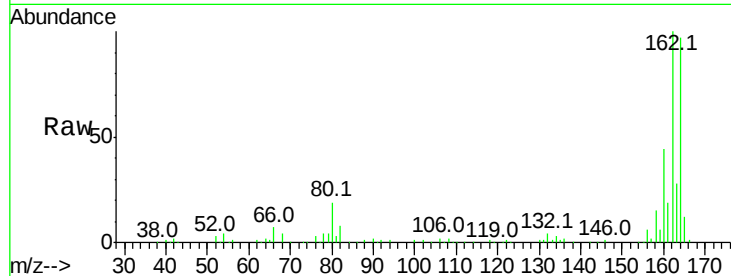
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.2 | 86.1  | 129.1 |
| 160     | 45.0  | 38.3  | 57.5  |

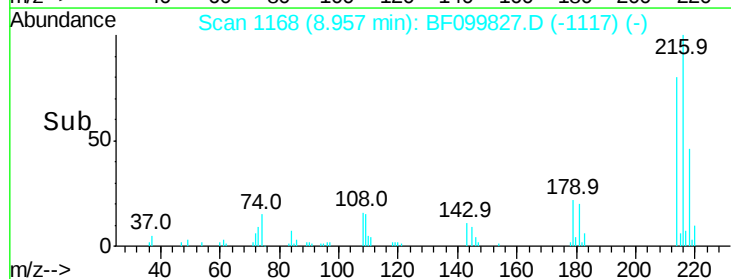
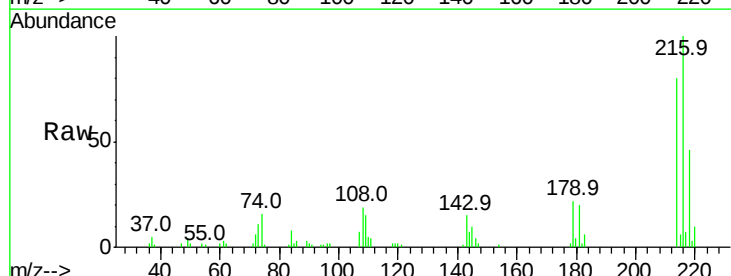
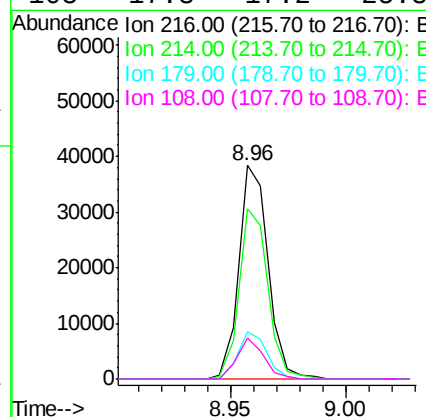
Manual Integrations  
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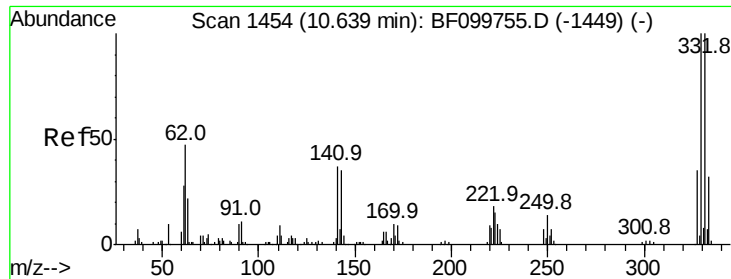
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#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 7.331 ng  
RT: 8.96 min Scan# 1168  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.5  | 63.0  | 94.4  |
| 179     | 21.9  | 18.1  | 27.1  |
| 108     | 17.3  | 17.2  | 25.8  |





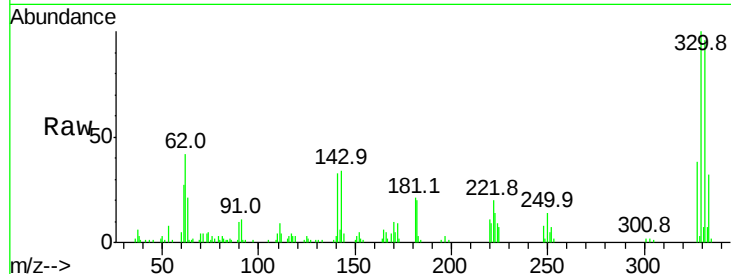
#41  
 2,4,6-Tribromophenol  
 Concen: 23.319 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-06

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.5  | 77.0 | 115.6 |       |
| 141     | 38.8  | 29.9 | 44.9  |       |

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 10/27/2017 8:59:17 AM

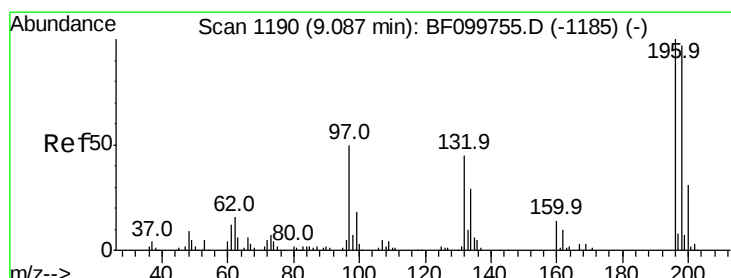
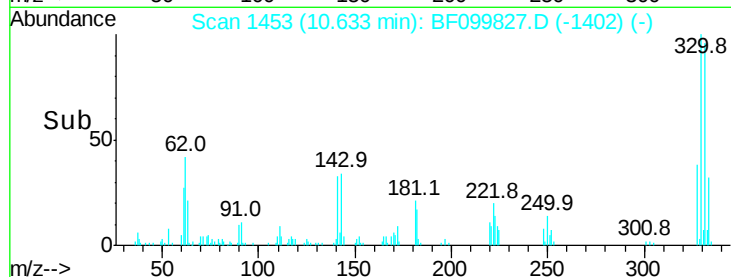
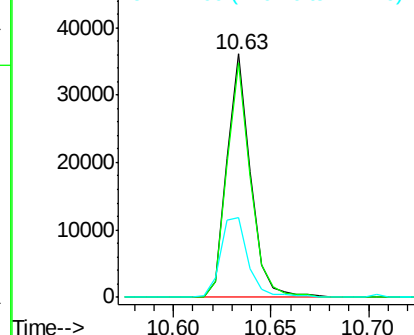


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42  
 2,4,6-Trichlorophenol  
 Concen: 8.368 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

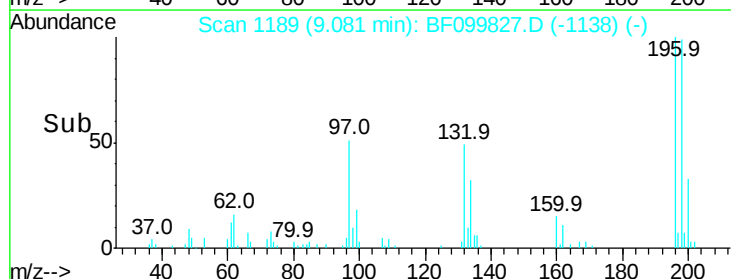
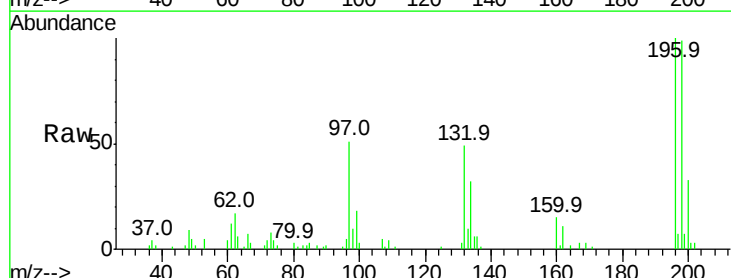
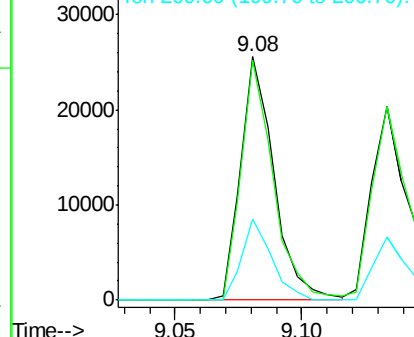
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 98.6  | 75.7 | 113.5 |       |
| 200     | 33.2  | 24.5 | 36.7  |       |

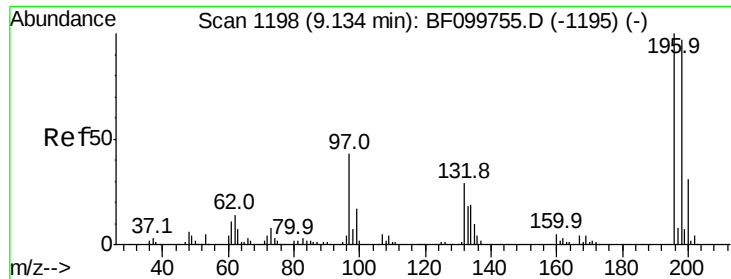
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





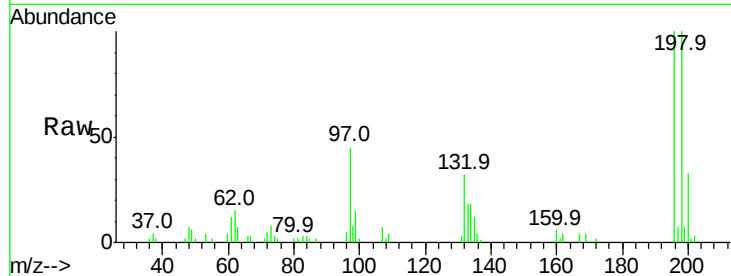
#43  
 2,4,5-Trichlorophenol  
 Concen: 7.871 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06

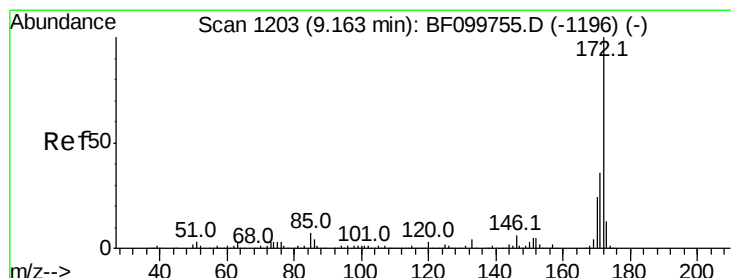
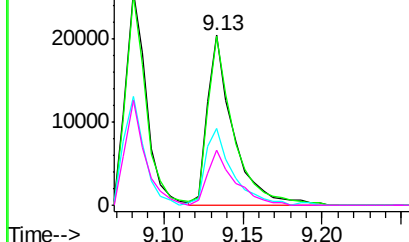
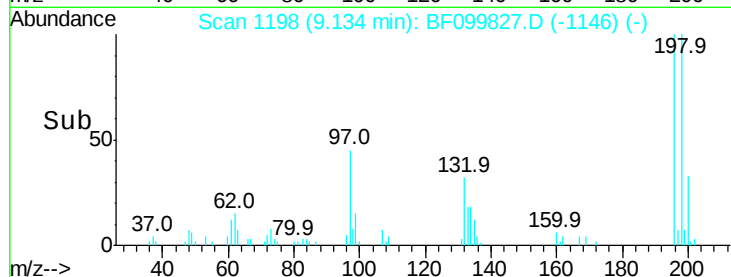
| Tot Ion   | 196   | Resp  | 23380 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 99.6  | 74.6  | 112.0 |
| 97        | 45.0  | 42.9  | 64.3  |
| 132       | 32.2  | 26.3  | 39.5  |

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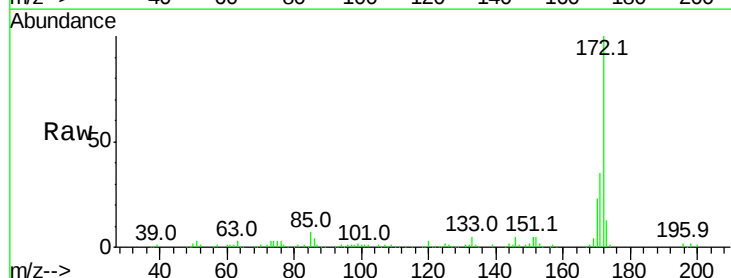


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

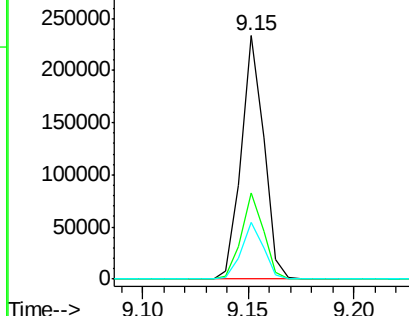
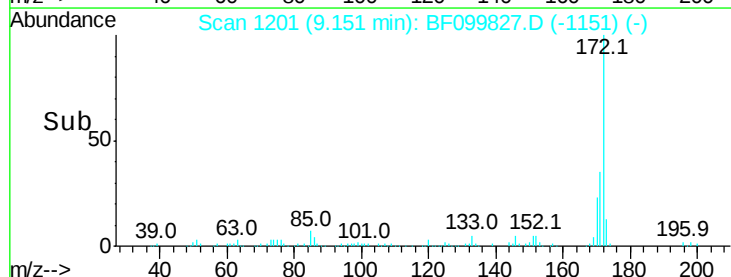


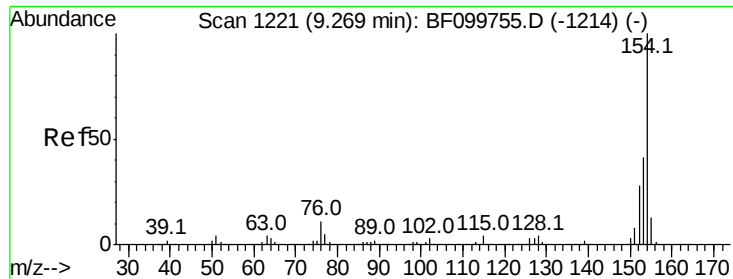
#44  
 2-Fluorobiphenyl  
 Concen: 18.582 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion   | 172   | Resp  | 172572 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.4  | 29.7  | 44.5   |
| 170       | 23.4  | 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: 7.945 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

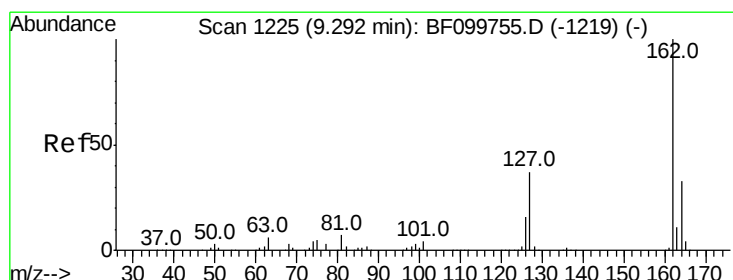
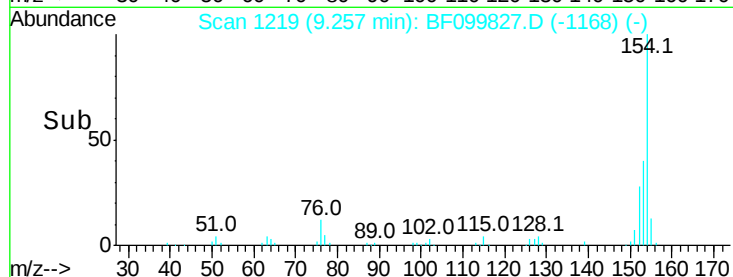
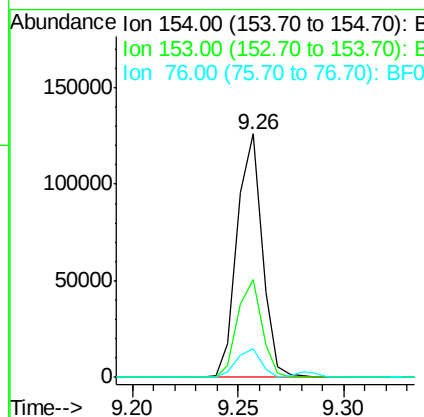
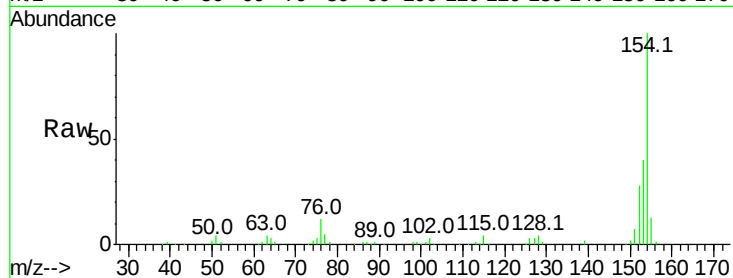
ClientSampleId :

SB-06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 102986 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.2  | 21.3  | 61.3   |
| 76        | 11.6  | 0.0   | 34.0   |

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#46

2-Chloronaphthalene

Concen: 8.118 ng

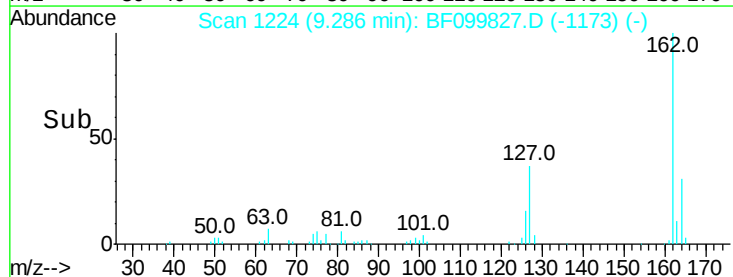
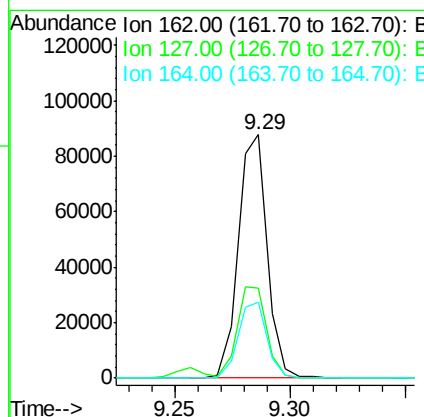
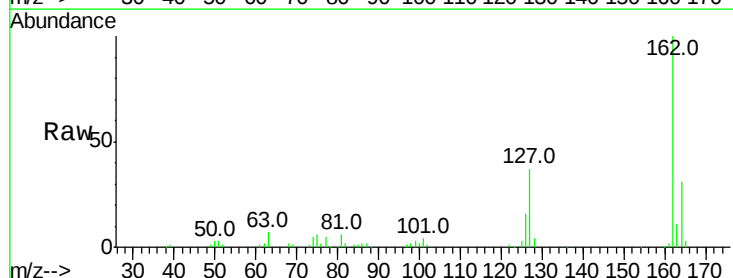
RT: 9.29 min Scan# 1224

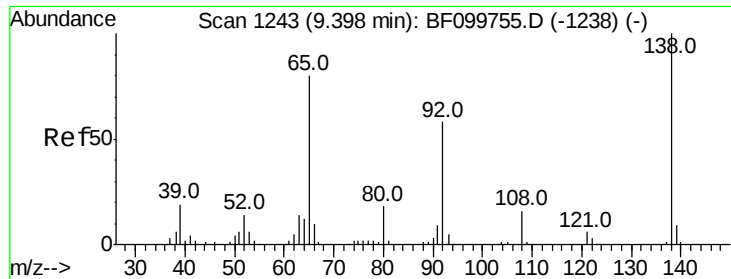
Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 76420 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 37.1  | 33.9  | 50.9  |
| 164       | 31.2  | 26.5  | 39.7  |





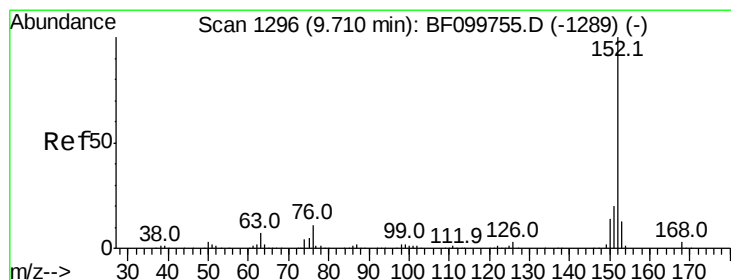
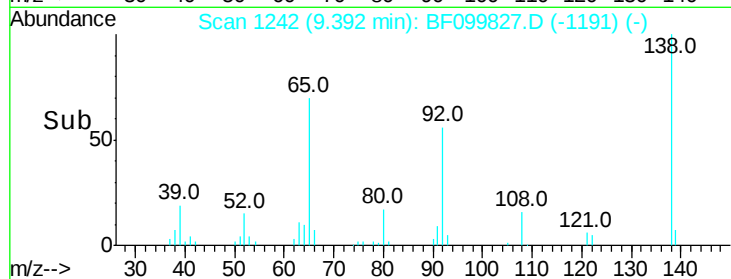
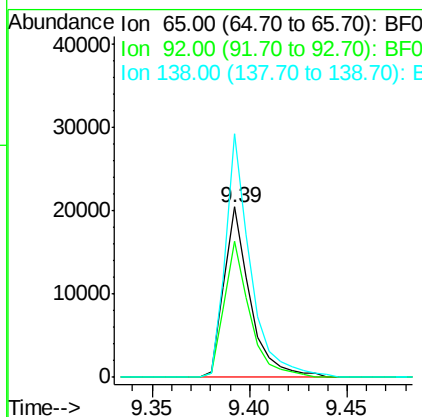
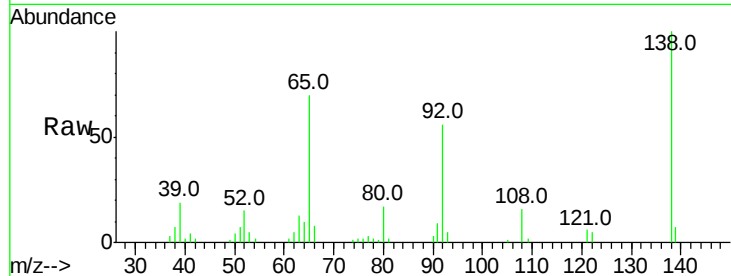
#47  
2-Nitroaniline  
Concen: 7.724 ng  
RT: 9.39 min Scan# 1242  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 80.3  | 55.8  | 83.6  |
| 138     | 143.2 | 91.2  | 136.8 |

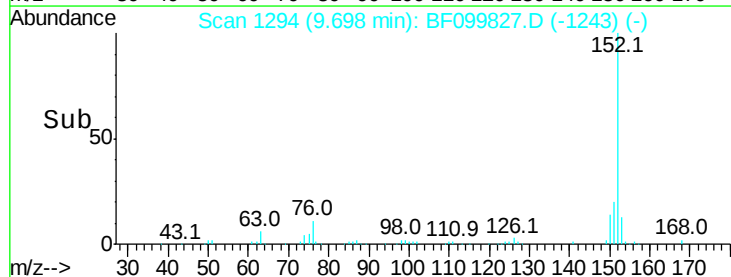
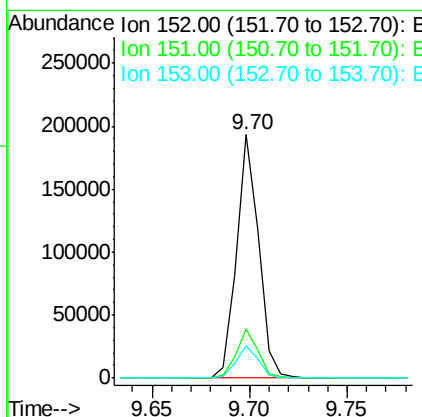
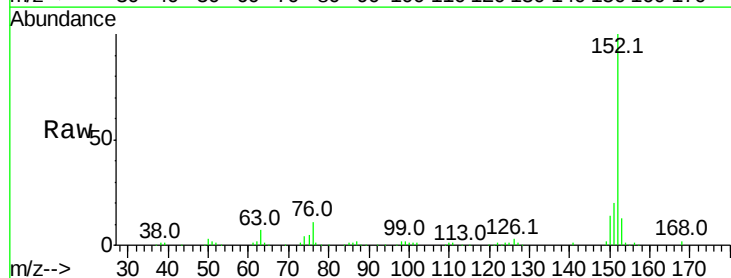
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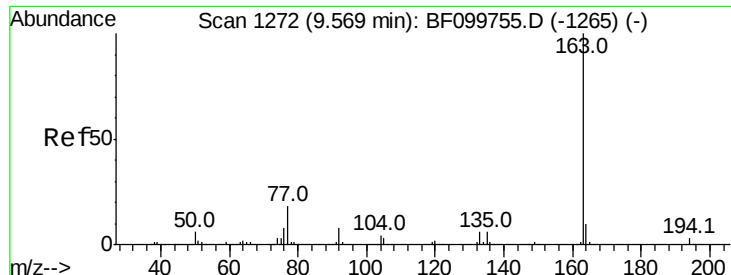
Sohil  
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#48  
Acenaphthylene  
Concen: 10.439 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.3  | 16.3  | 24.5  |
| 153     | 13.2  | 10.7  | 16.1  |





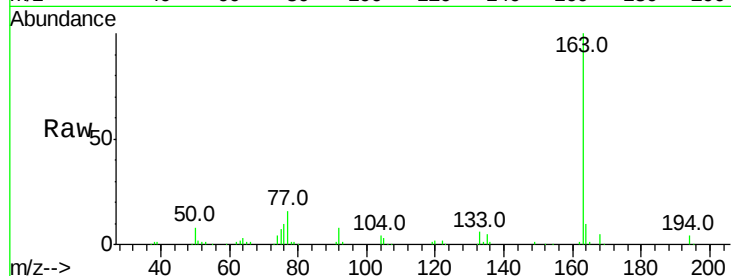
#49  
Dimethylphthalate  
Concen: 8.424 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

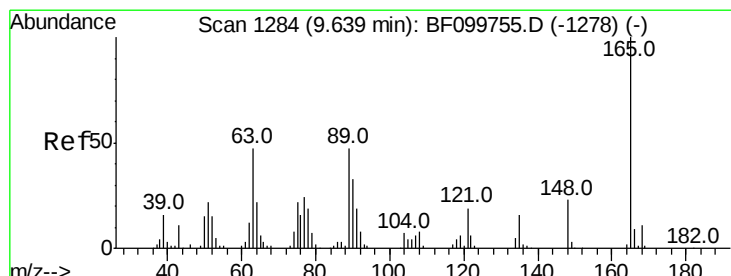
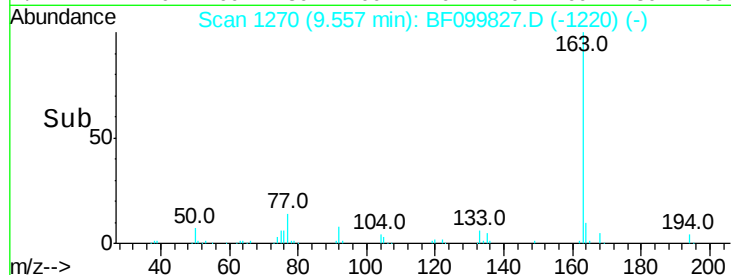
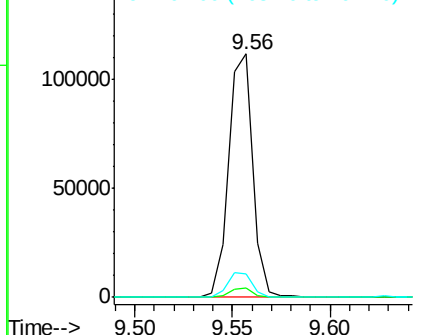
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.6   | 2.7  | 4.1   |       |
| 164     | 9.6   | 8.2  | 12.2  |       |

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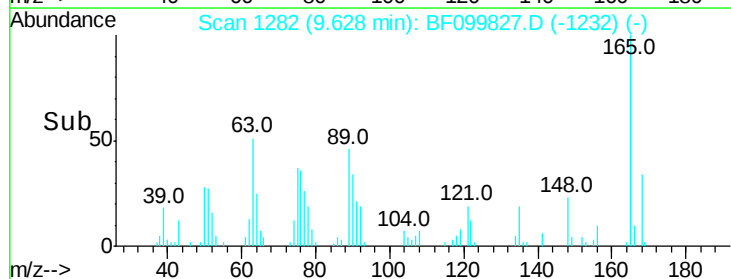
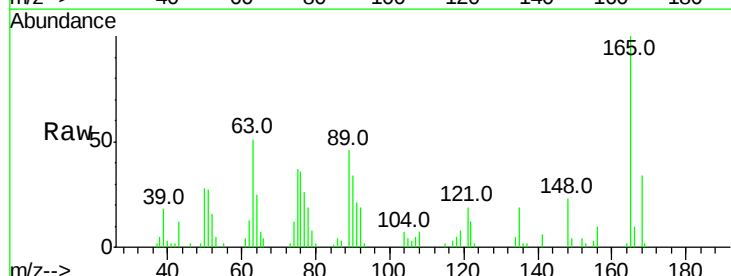
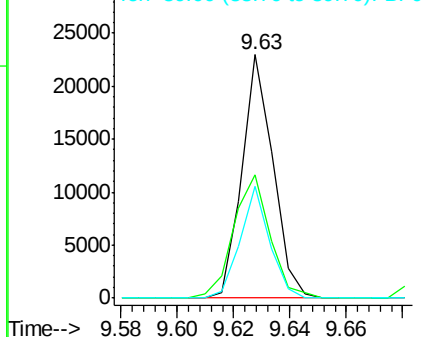
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

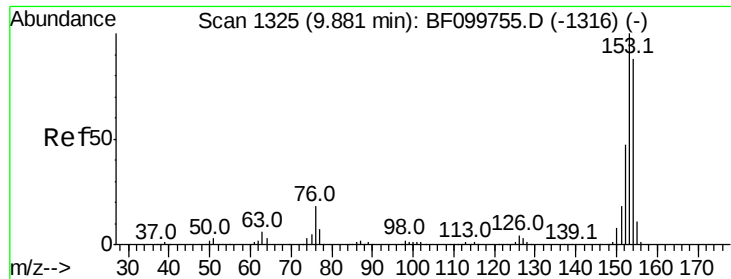


#50  
2,6-Dinitrotoluene  
Concen: 7.327 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 50.7  | 44.7 | 67.1  |       |
| 89      | 45.7  | 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: 9.324 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

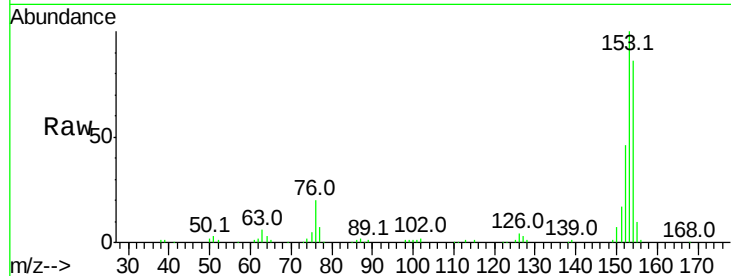
ClientSampleId :

SB-06

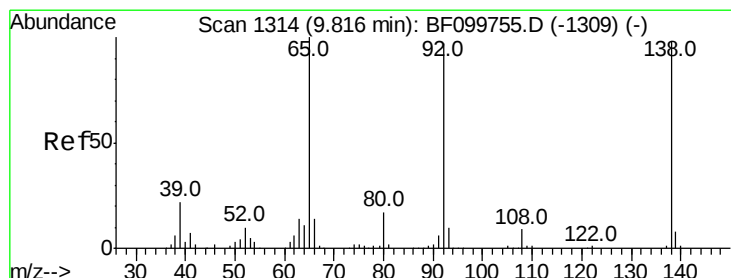
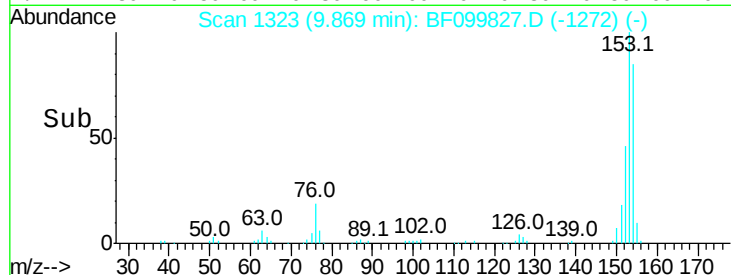
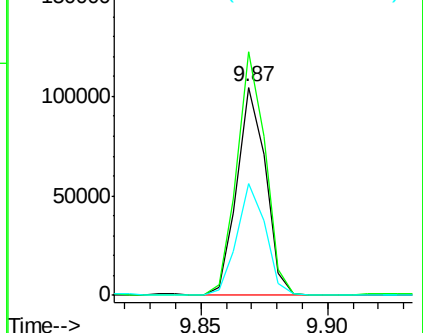
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 82597 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 116.9 | 91.2  | 136.8 |
| 152       | 53.7  | 43.8  | 65.8  |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 7.550 ng

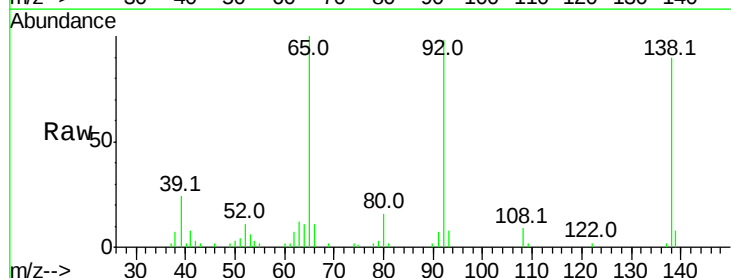
RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

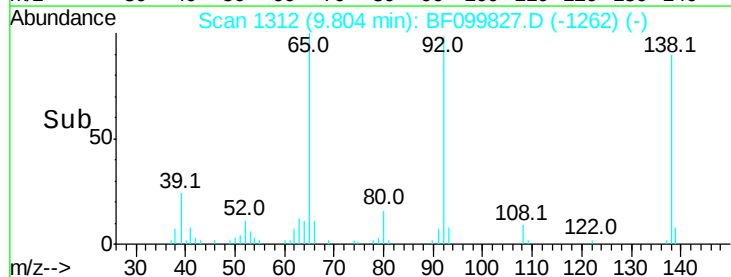
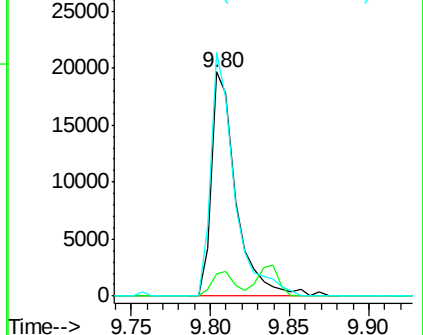
Lab File: BF099827.D

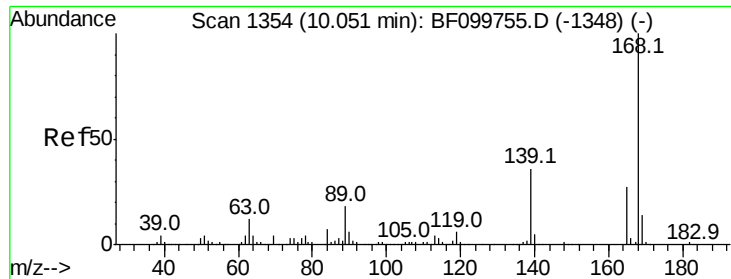
Acq: 25 Oct 2017 21:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 21220 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.1  | 9.4   | 14.0  |
| 92        | 108.8 | 89.4  | 134.2 |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF0





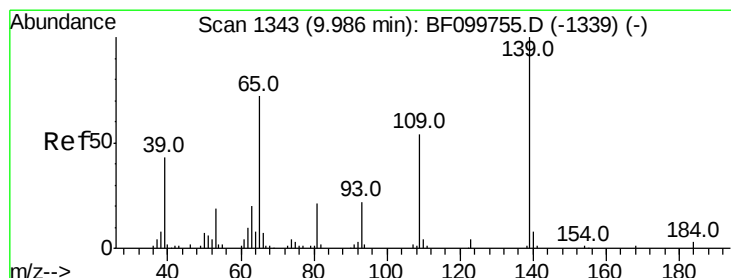
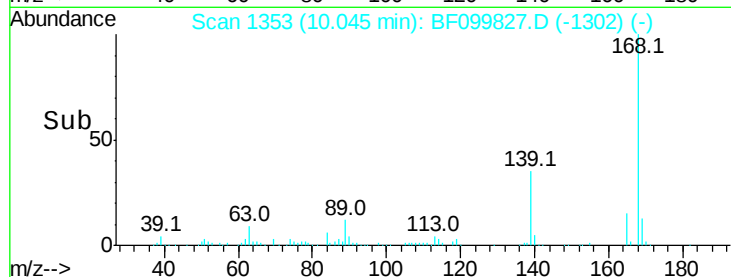
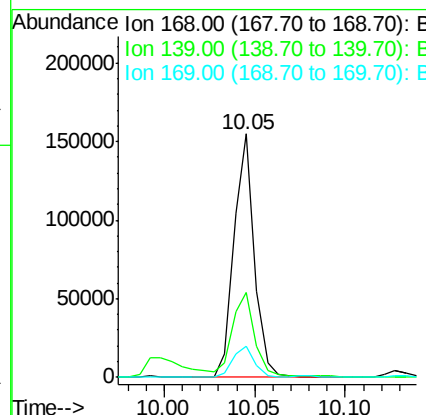
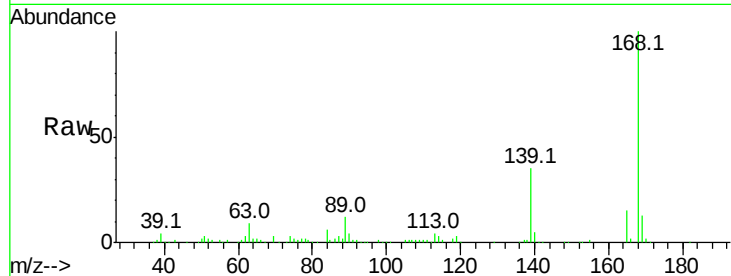
#54  
Dibenzenofuran  
Concen: 9.659 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 34.8  | 30.1  | 45.1  |
| 169     | 12.7  | 10.9  | 16.3  |

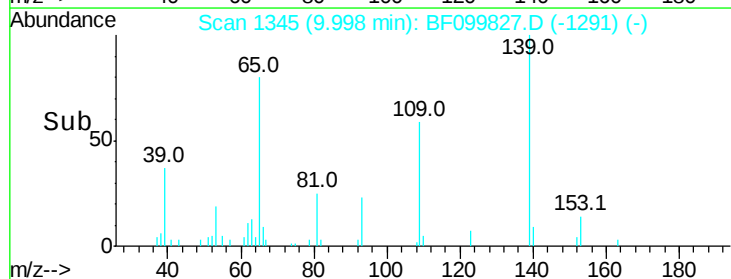
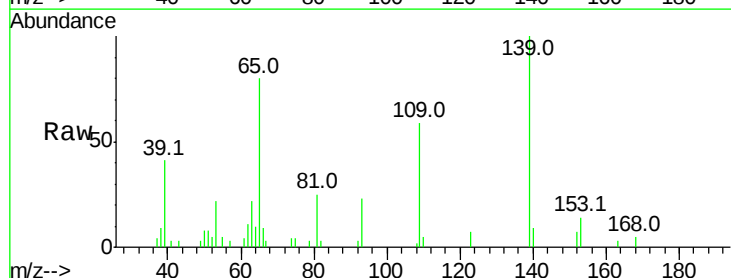
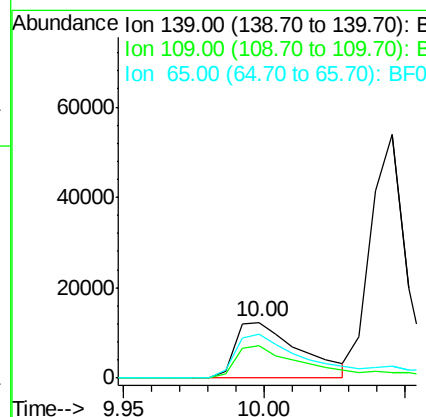
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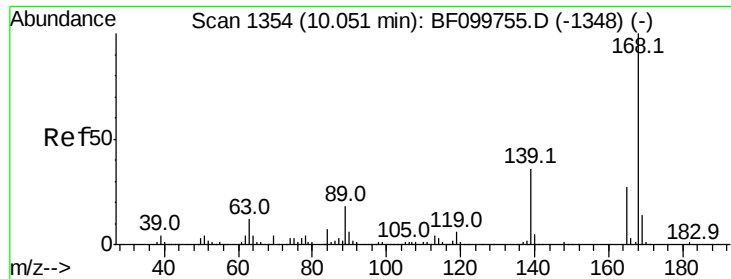
Sohil  
10/27/2017 8:59:17 AM



#55  
4-Nitrophenol  
Concen: 13.300 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. 0.02 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 59.3  | 48.4  | 88.4  |
| 65      | 79.8  | 72.6  | 112.6 |





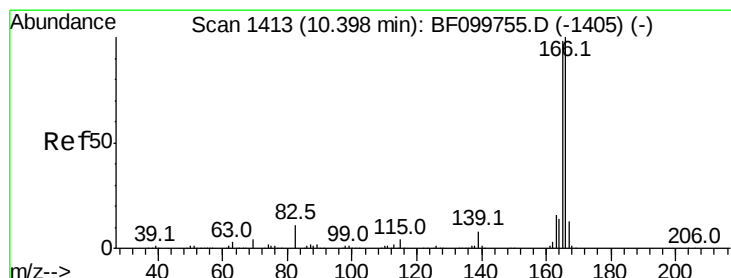
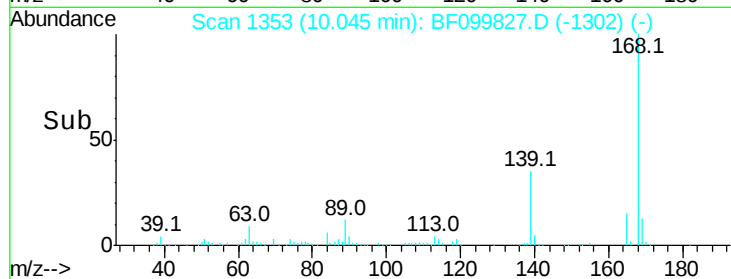
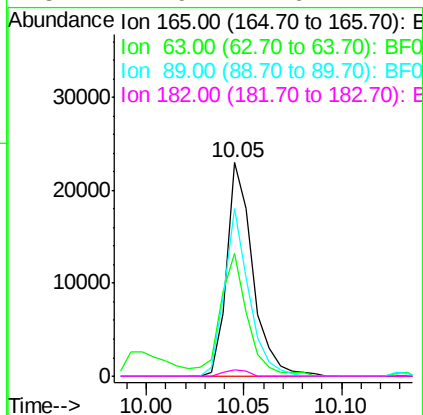
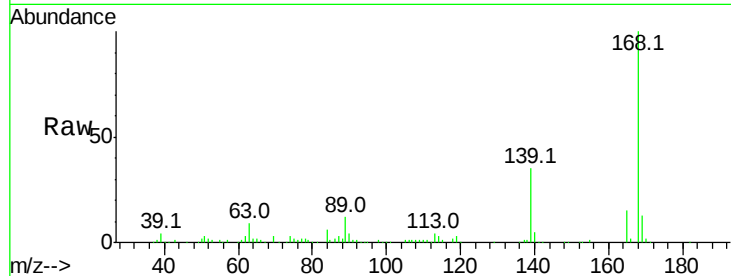
#56  
 2,4-Dinitrotoluene  
 Concen: 7.377 ng  
 RT: 10.05 min Scan# 1353  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 21192 |       |       |
| 63      | 57.3  | 36.4  | 54.6# |       |
| 89      | 78.6  | 57.8  | 86.6  |       |
| 182     | 2.9   | 1.6   | 2.4#  |       |

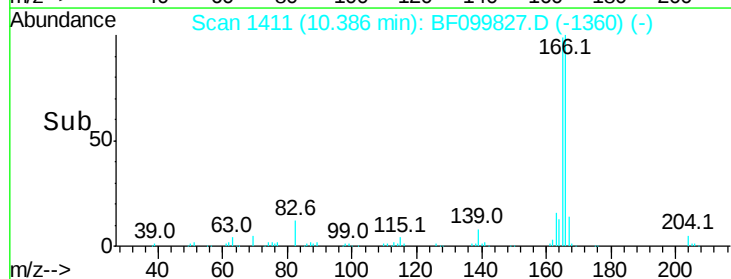
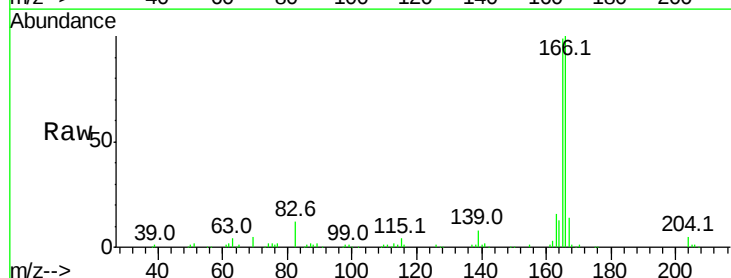
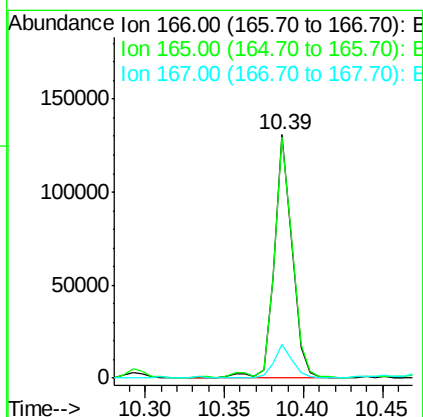
Manual Integrations  
 APPROVED

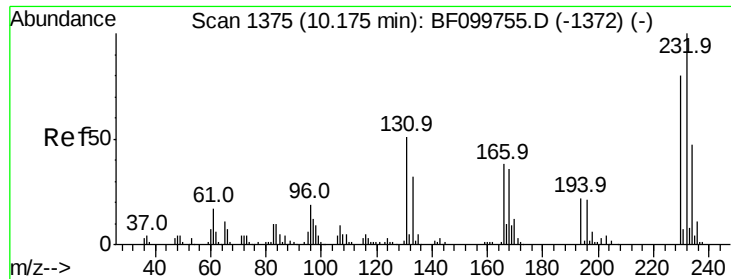
Sohil  
 10/27/2017 8:59:17 AM



#57  
 Fluorene  
 Concen: 10.025 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 103799 |       |       |
| 165     | 98.9  | 79.8   | 119.8 |       |
| 167     | 13.9  | 10.6   | 16.0  |       |





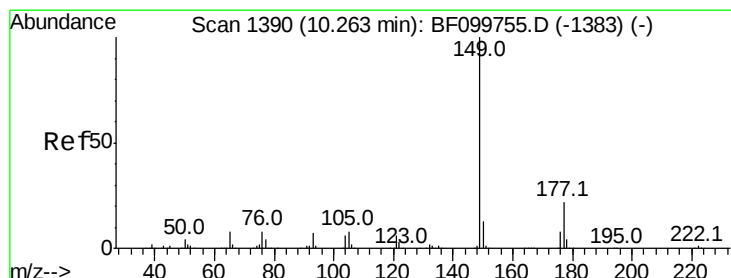
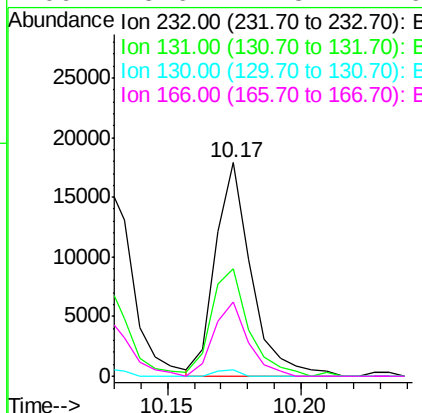
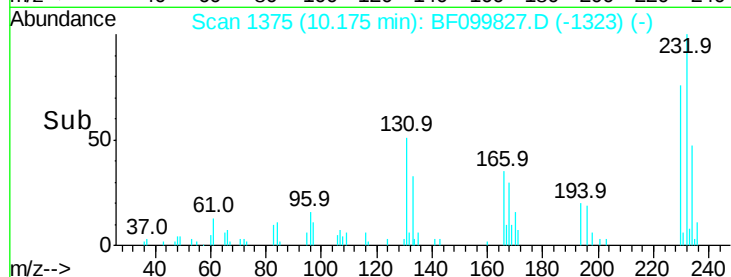
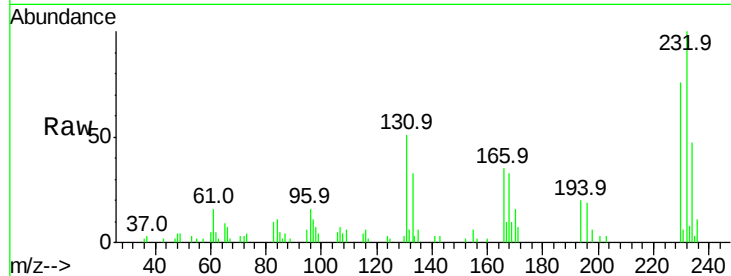
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 8.196 ng/ml  
 RT: 10.17 min Scan# 1375  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 41.8  | 43.8  | 65.8# |
| 130     | 2.0   | 2.1   | 3.1#  |
| 166     | 25.6  | 27.8  | 41.6# |

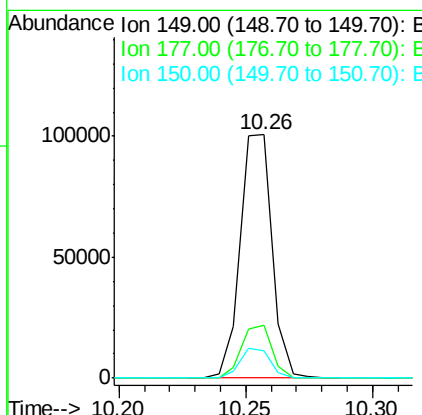
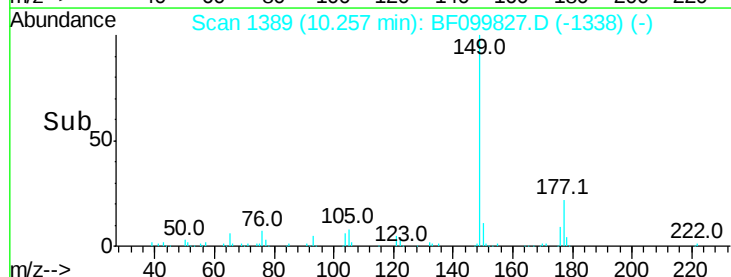
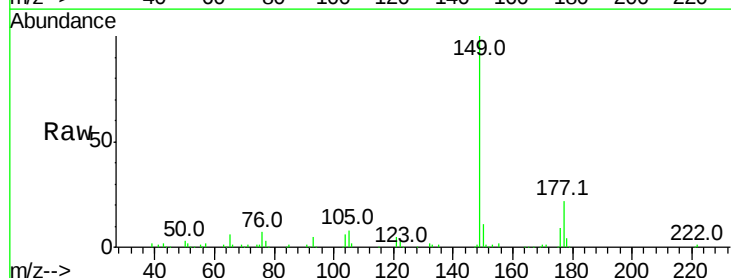
Manual Integrations  
 APPROVED

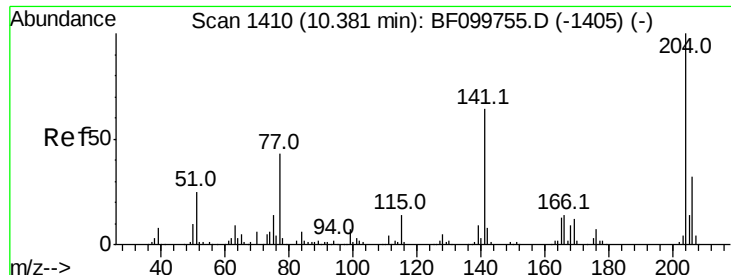
Sohil  
 10/27/2017 8:59:17 AM



#59  
 Diethylphthalate  
 Concen: 7.924 ng/ml  
 RT: 10.26 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.7  | 16.1  | 24.1  |
| 150     | 11.3  | 10.1  | 15.1  |





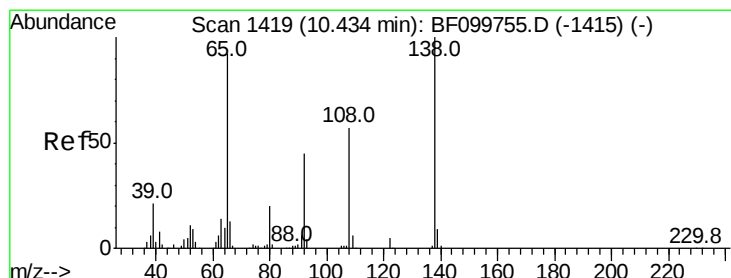
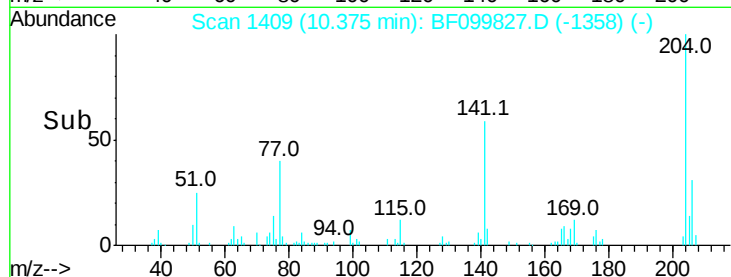
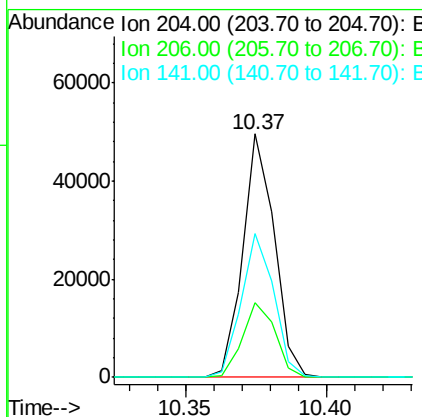
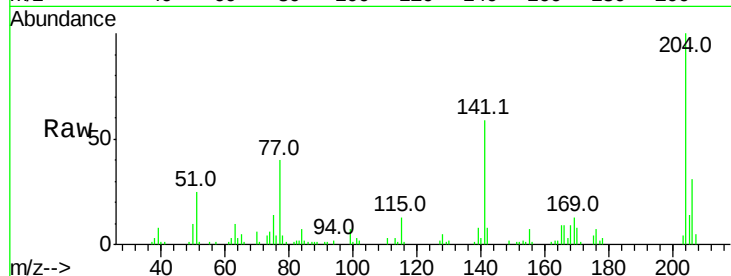
#60  
4-Chlorophenyl-phenylether  
Concen: 7.876 ng  
RT: 10.37 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 30.8  | 26.5  | 39.7  |
| 141     | 59.0  | 54.6  | 81.8  |

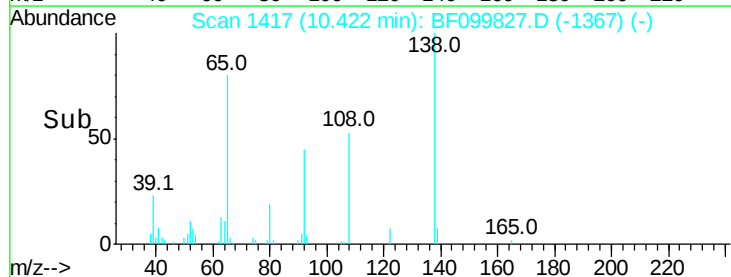
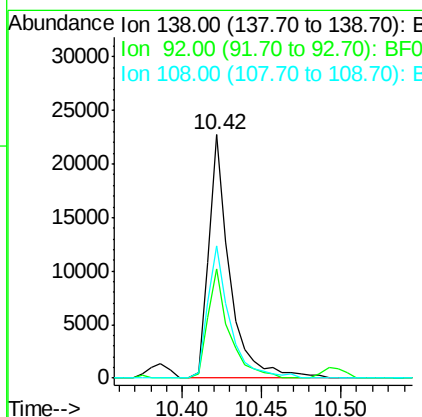
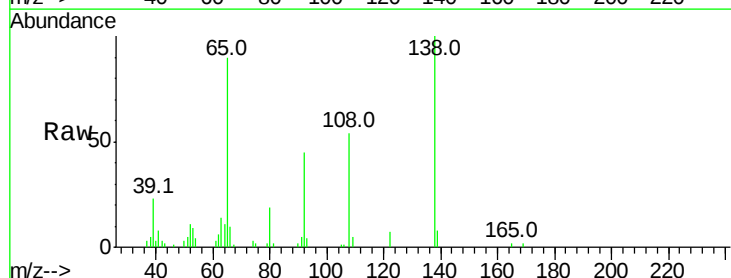
Manual Integrations  
APPROVED

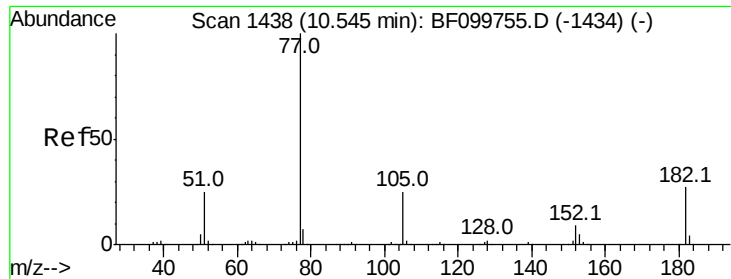
Sohil  
10/27/2017 8:59:17 AM



#61  
4-Nitroaniline  
Concen: 7.938 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 44.7  | 30.2  | 70.2  |
| 108     | 54.4  | 52.5  | 92.5  |





#62

Azobenzene

Concen: 9.229 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

ClientSampled :

SB-06

Tot Ion: 77 Resp: 85724

Ion Ratio Lower Upper

77 100

182 38.8 1.7 41.7

105 28.3 3.0 43.0

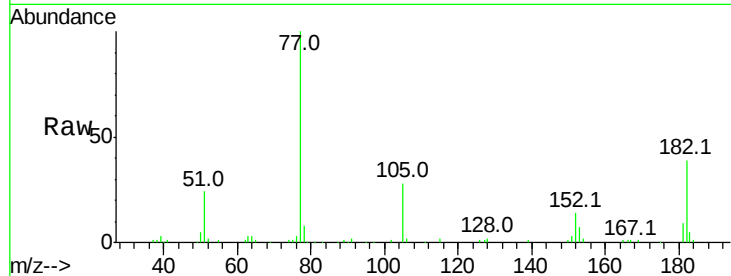
51 24.0 9.9 49.9

Manual Integrations

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Sohil

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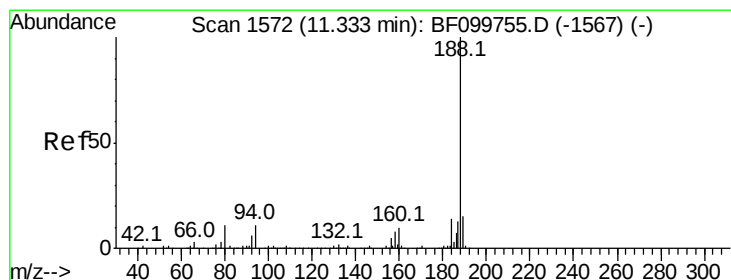
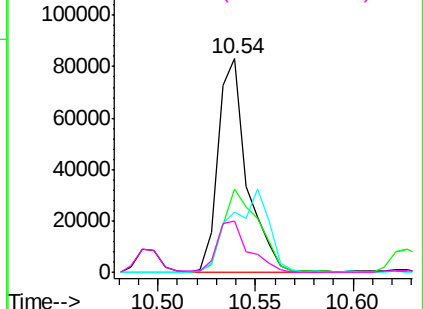
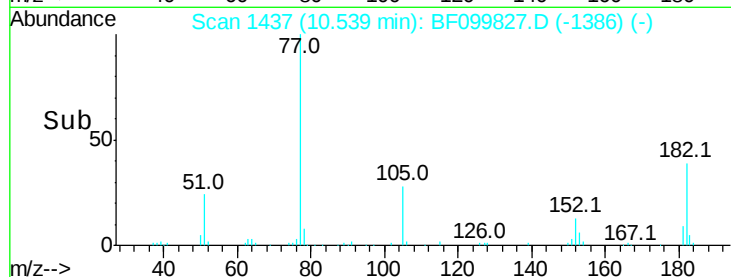


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

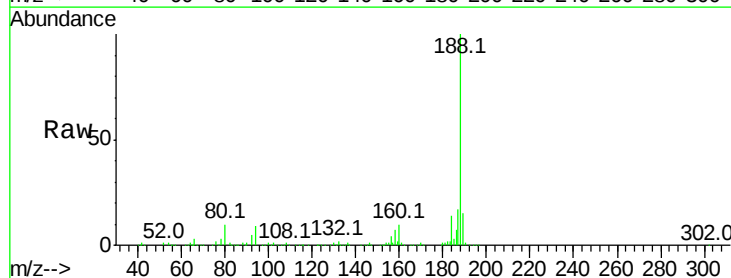
Tgt Ion: 188 Resp: 256197

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

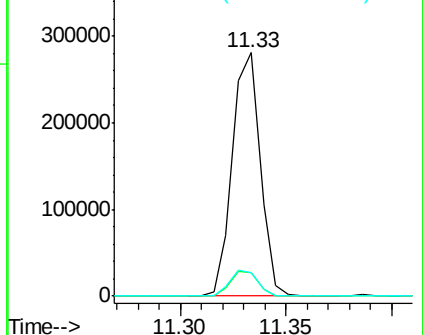
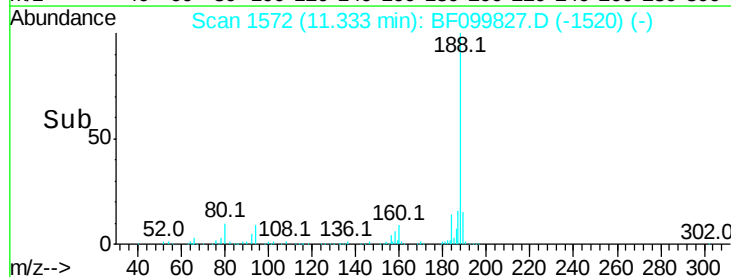
80 9.8 9.2 13.8

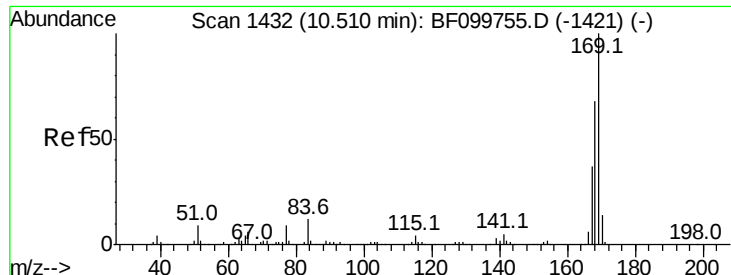


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





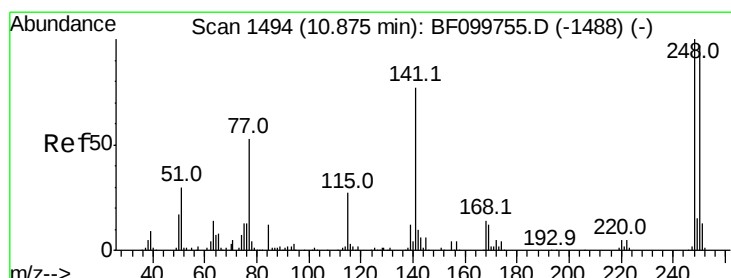
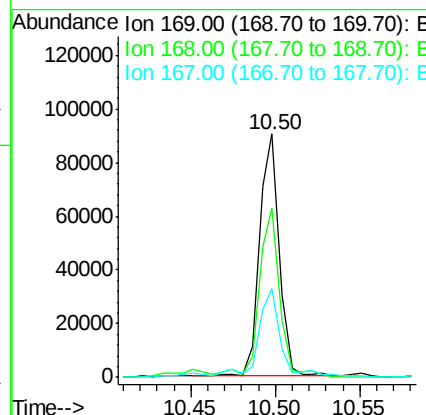
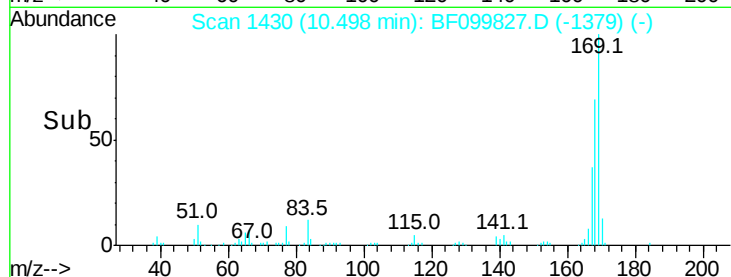
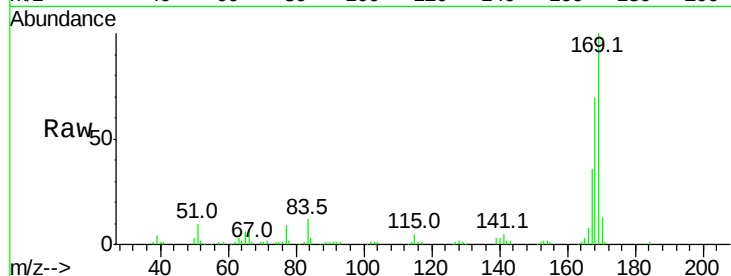
#65  
n-Nitrosodiphenylamine  
Concen: 7.848 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 69.7  | 54.4  | 81.6  |
| 167     | 36.5  | 29.8  | 44.6  |

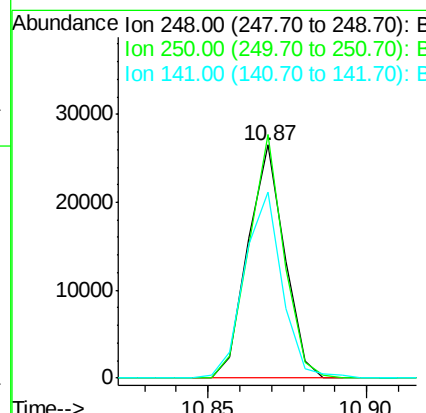
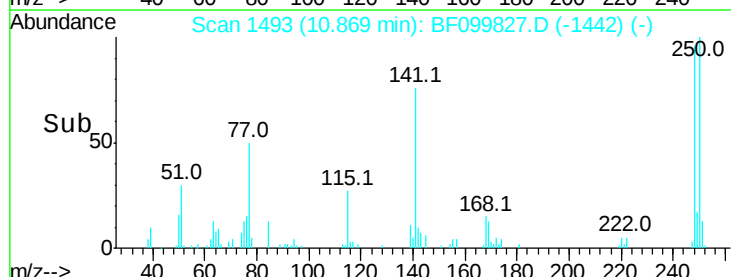
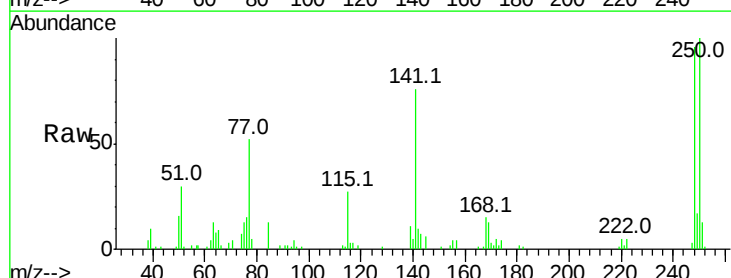
Manual Integrations  
APPROVED

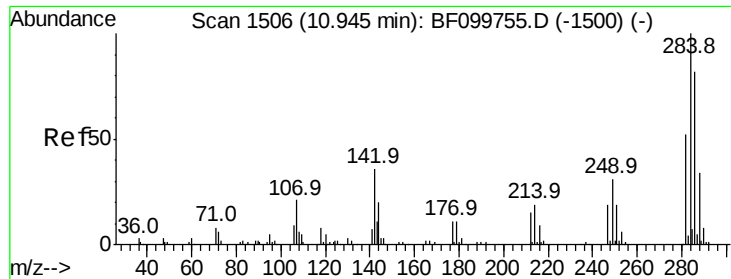
Sohil  
10/27/2017 8:59:17 AM



#66  
4-Bromophenyl-phenylether  
Concen: 7.844 ng  
RT: 10.87 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 104.5 | 76.9  | 115.3 |
| 141     | 79.9  | 74.4  | 111.6 |





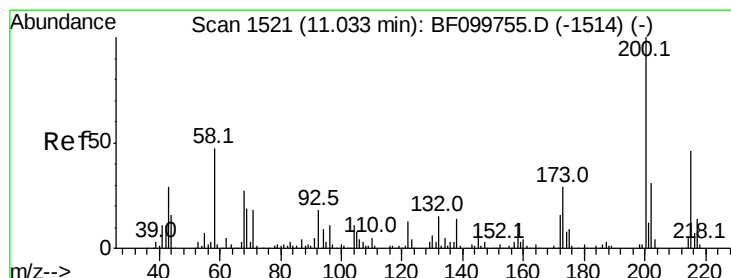
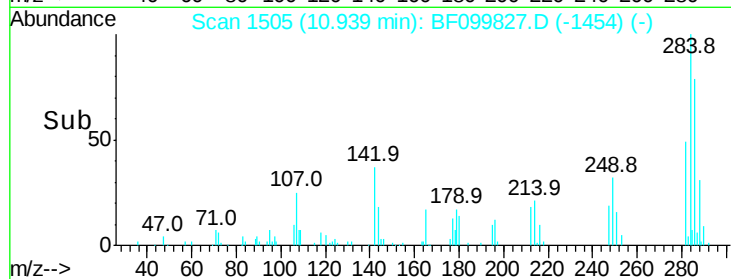
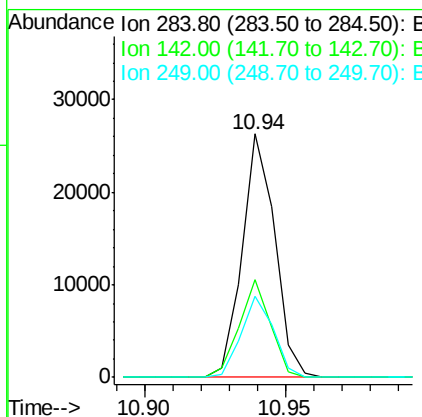
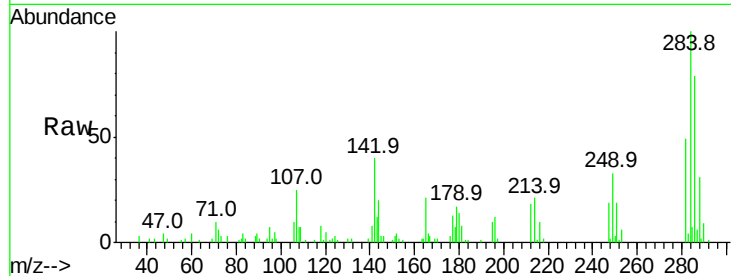
#67  
Hexachlorobenzene  
Concen: 7.641 ng  
RT: 10.94 min Scan# 1505  
Delta R.T. 0.00 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 21085 |       |       |
| 142     | 40.1  |       | 34.6  | 52.0  |
| 249     | 33.3  |       | 24.8  | 37.2  |

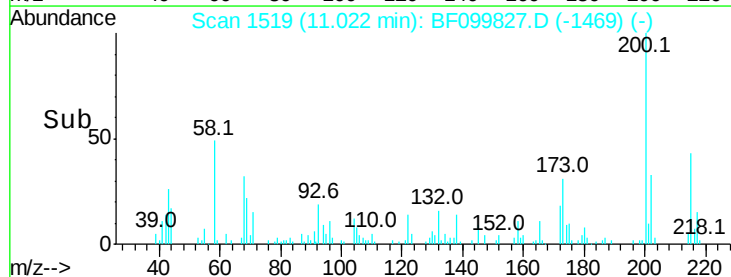
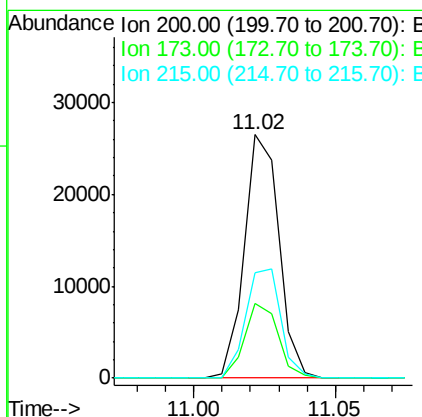
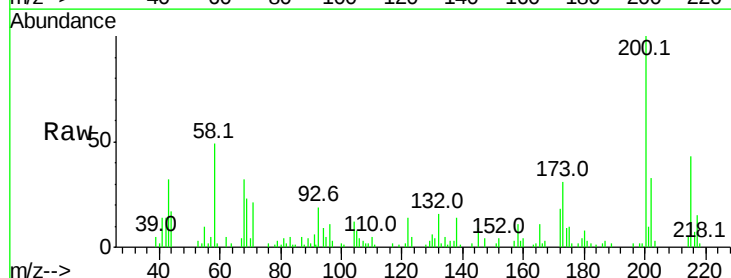
Manual Integrations  
APPROVED

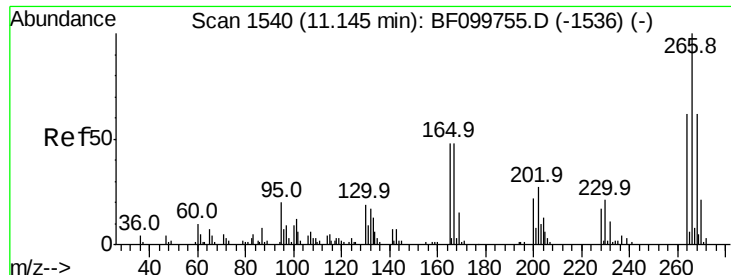
Sohil  
10/27/2017 8:59:17 AM



#68  
Atrazine  
Concen: 7.933 ng  
RT: 11.02 min Scan# 1519  
Delta R.T. -0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 22536 |       |       |
| 173     | 30.8  |       | 8.6   | 48.6  |
| 215     | 43.4  |       | 25.1  | 65.1  |





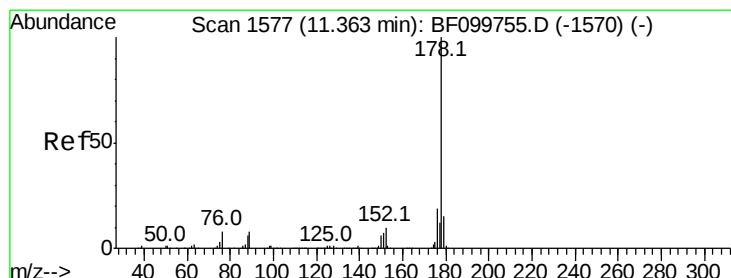
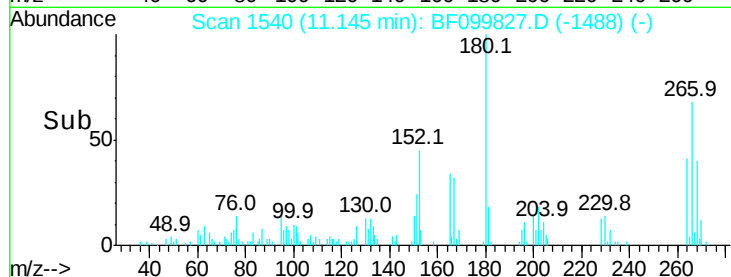
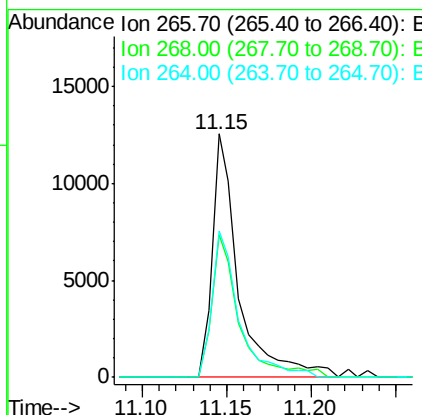
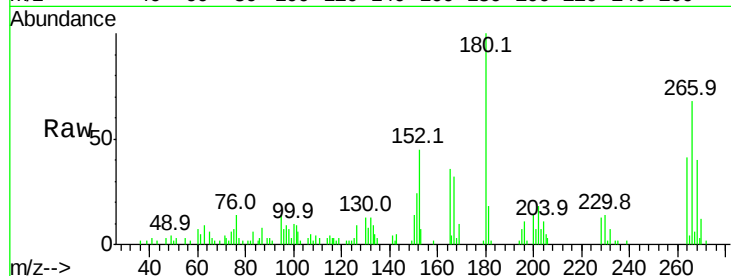
#69  
 Pentachlorophenol  
 Concen: 11.689 ng  
 RT: 11.15 min Scan# 1540  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 13782 |       |       |
| 268     | 58.6  |       | 51.1  | 76.7  |
| 264     | 60.4  |       | 49.5  | 74.3  |

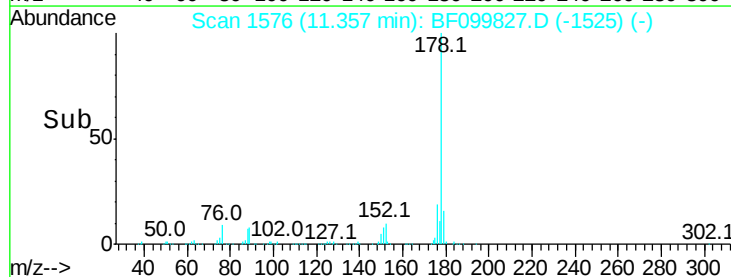
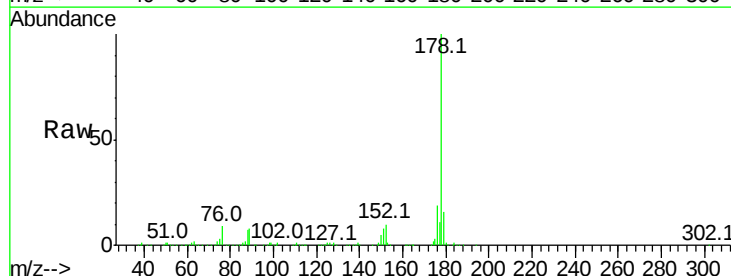
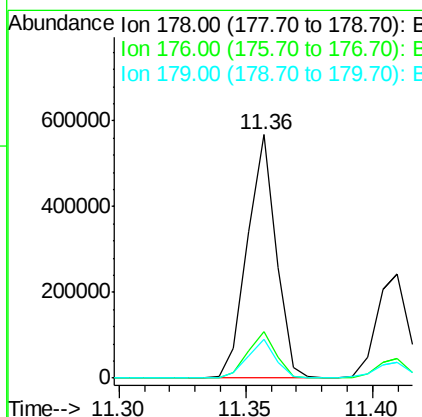
Manual Integrations  
 APPROVED

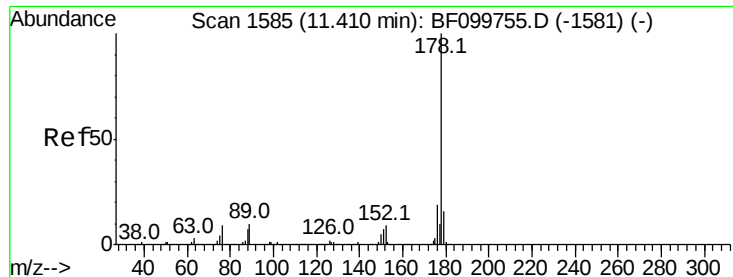
Sohil  
 10/27/2017 8:59:17 AM



#70  
 Phenanthrene  
 Concen: 31.006 ng  
 RT: 11.36 min Scan# 1576  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 448296 |       |       |
| 176     | 19.0  |        | 15.8  | 23.8  |
| 179     | 15.7  |        | 13.0  | 19.6  |





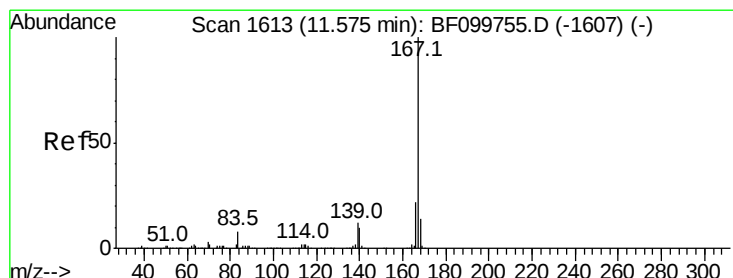
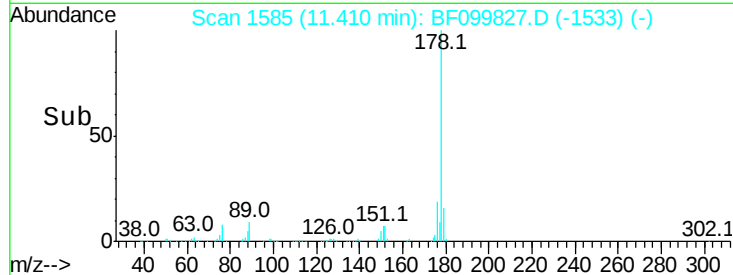
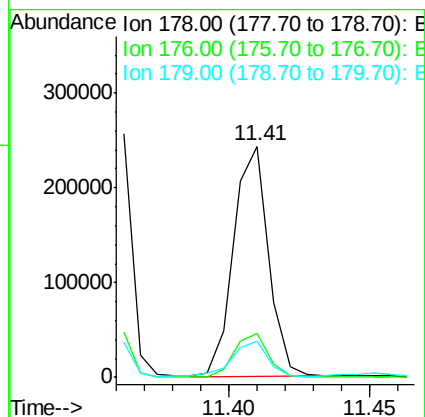
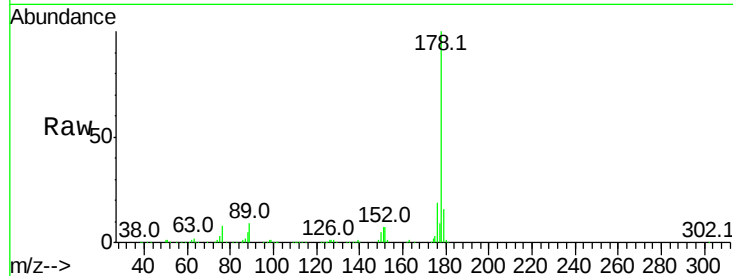
#71  
 Anthracene  
 Concen: 14.199 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 208382 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.0  | 15.4  | 23.2   |
| 179       | 15.7  | 12.6  | 19.0   |

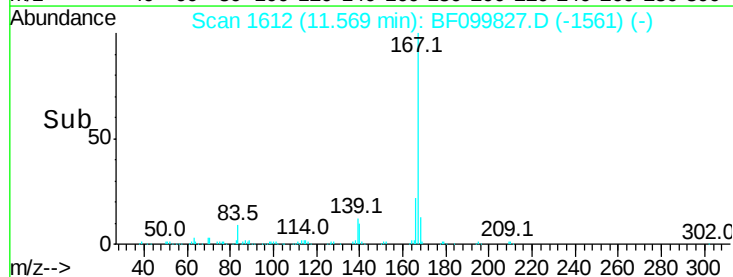
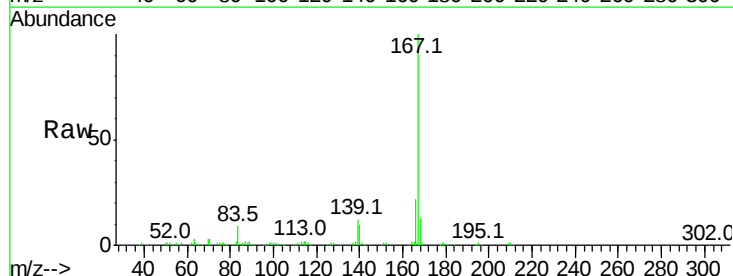
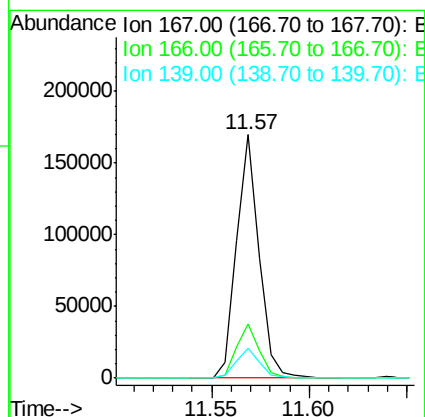
Manual Integrations  
 APPROVED

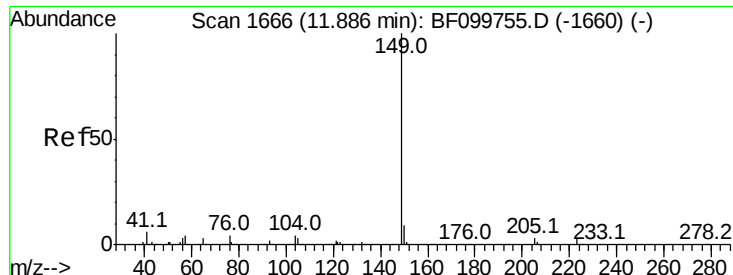
Sohil  
 10/27/2017 8:59:17 AM



#72  
 Carbazole  
 Concen: 9.850 ng  
 RT: 11.57 min Scan# 1612  
 Delta R.T. 0.00 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 167   | Resp: | 135939 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.2  | 17.6  | 26.4   |
| 139       | 12.2  | 10.9  | 16.3   |





#73

Di-n-butylphthalate

Concen: 8.250 ng

RT: 11.89 min Scan# 1666

Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

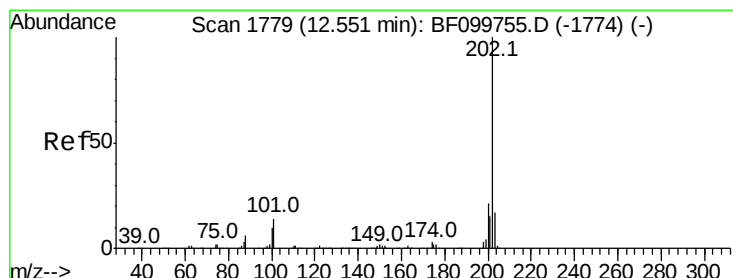
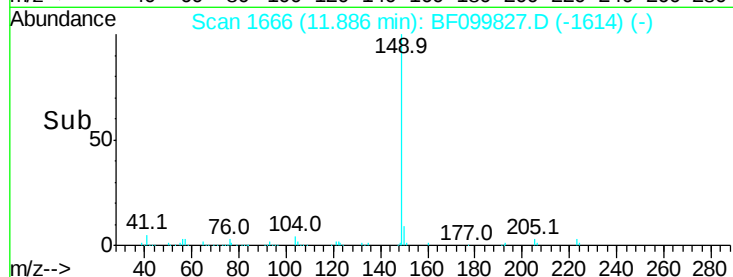
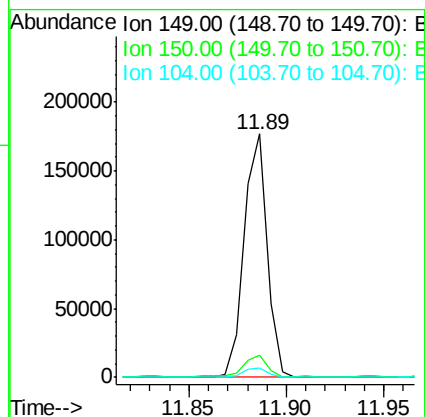
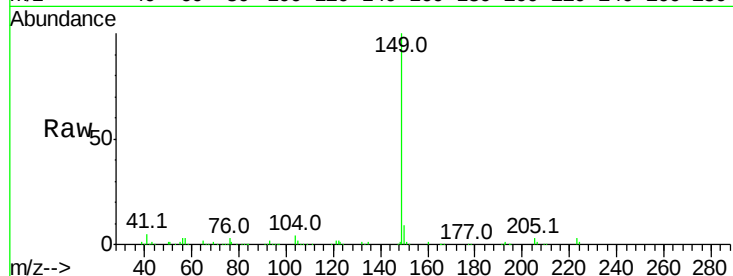
ClientSampled :

SB-06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 145218 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.1   | 7.8   | 11.6   |
| 104       | 3.8   | 3.8   | 5.8#   |

Manual Integrations  
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#74

Fluoranthene

Concen: 42.407 ng

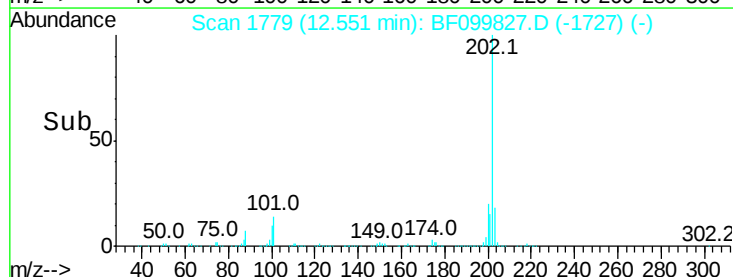
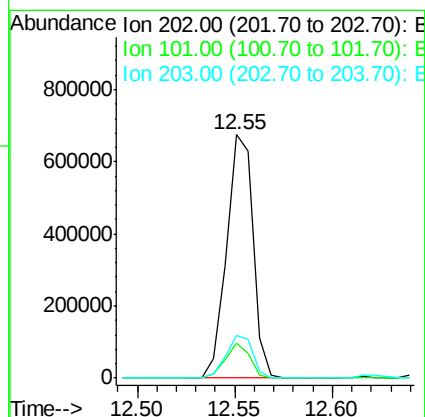
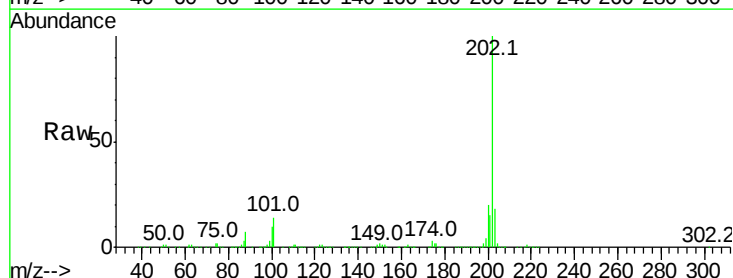
RT: 12.55 min Scan# 1779

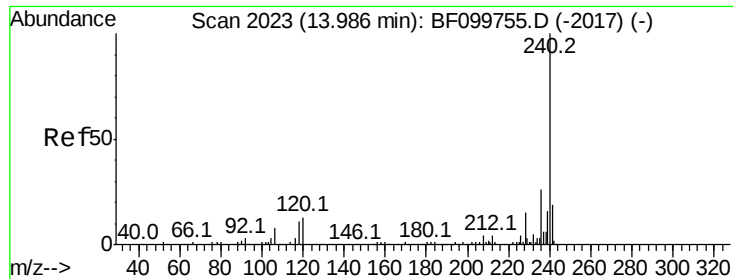
Delta R.T. 0.01 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 637187 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.3  | 0.0   | 34.1   |
| 203       | 17.6  | 0.0   | 38.1   |





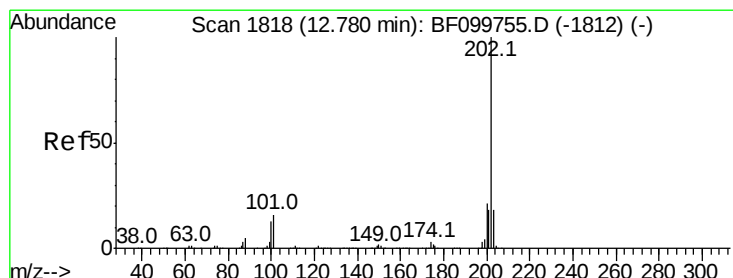
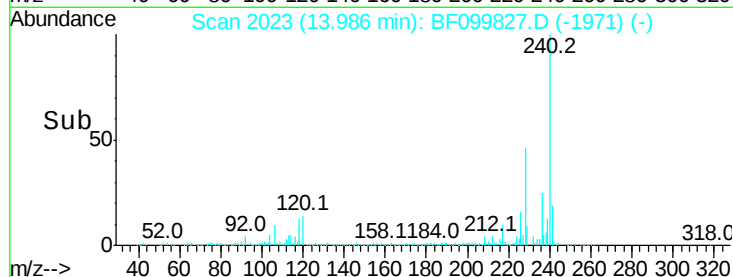
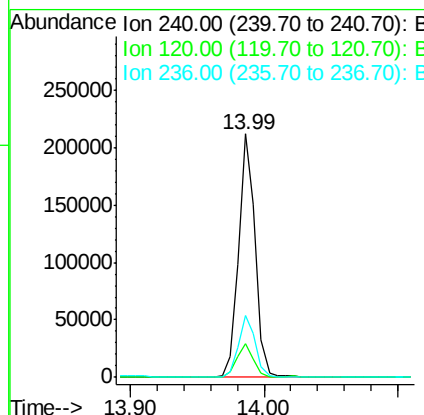
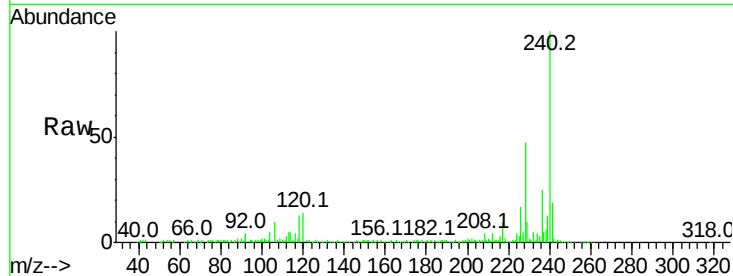
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 14.0  | 9.5        | 14.3  |
| 236     | 25.5  | 20.7       | 31.1  |

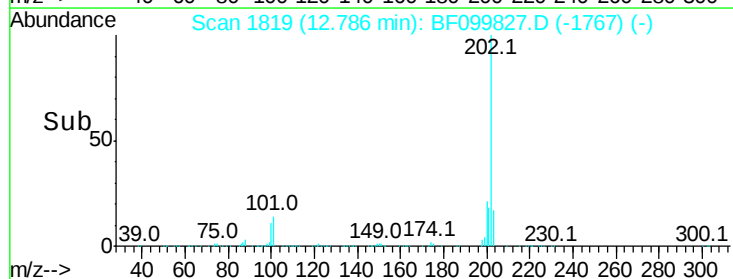
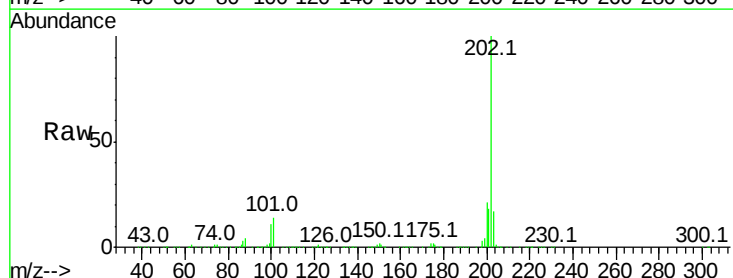
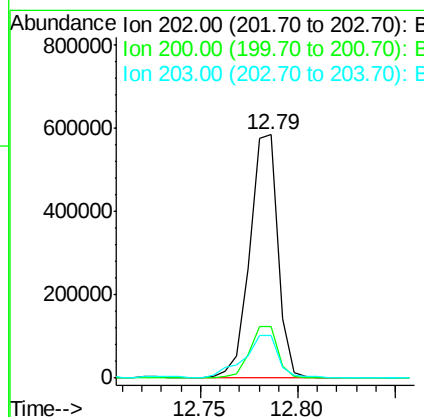
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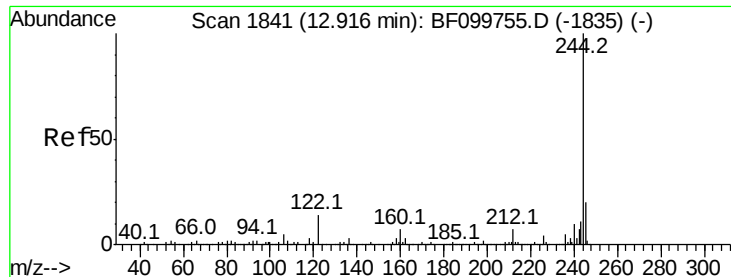
Sohil  
10/27/2017 8:59:17 AM



#77  
Pyrene  
Concen: 41.463 ng  
RT: 12.79 min Scan# 1819  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.3  | 17.4       | 26.2  |
| 203     | 17.5  | 14.3       | 21.5  |





#78

Terphenyl-d14

Concen: 16.954 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

Instrument :

BNA\_F

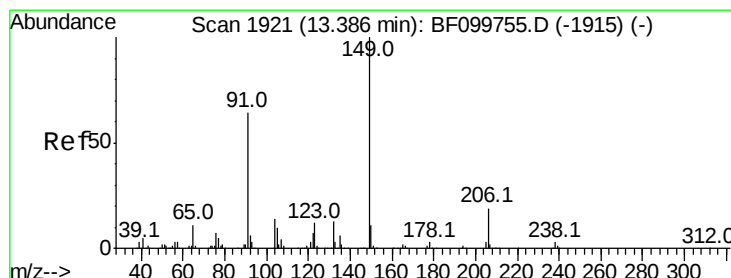
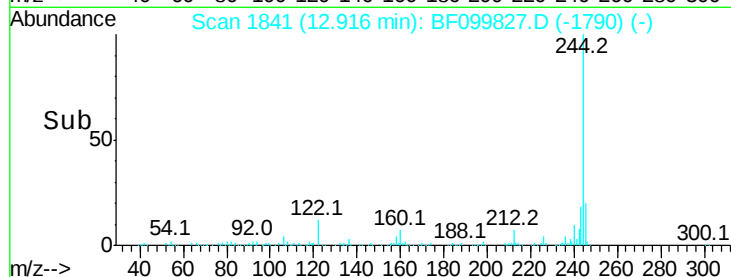
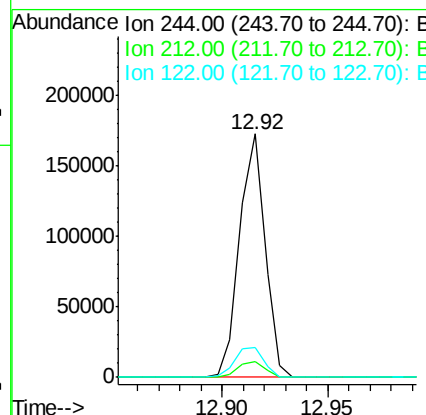
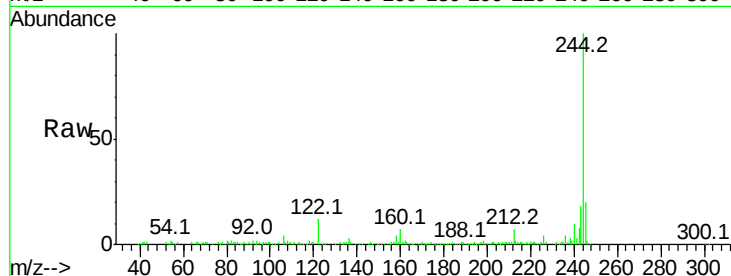
ClientSampled :

SB-06

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 244  | Resp: | 143986 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 6.5  | 5.4   | 8.0    |
| 122       | 12.4 | 11.0  | 16.4   |

Manual Integrations  
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#79

Butylbenzylphthalate

Concen: 8.008 ng

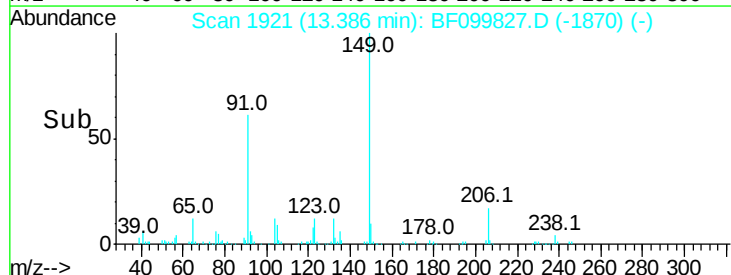
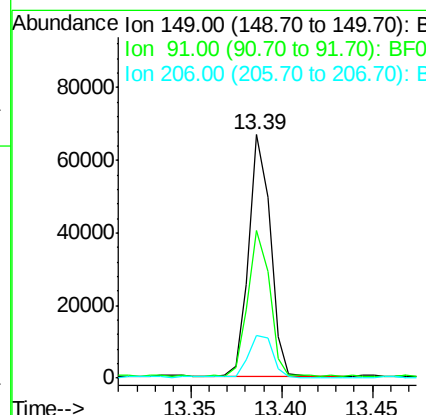
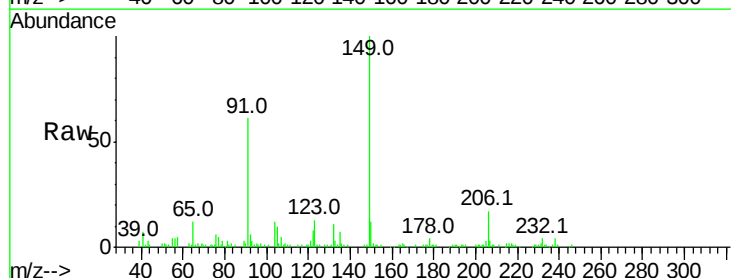
RT: 13.39 min Scan# 1921

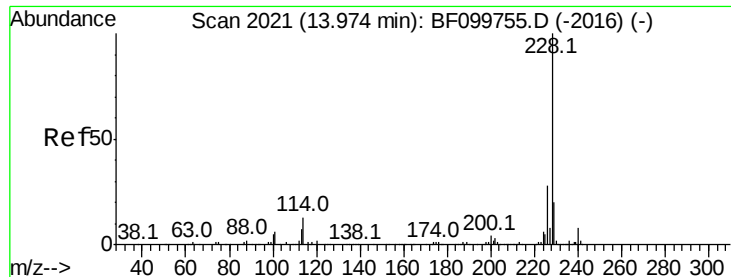
Delta R.T. 0.00 min

Lab File: BF099827.D

Acq: 25 Oct 2017 21:43

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 149  | Resp: | 55651 |
| Ion Ratio |      | Lower | Upper |
| 149       | 100  |       |       |
| 91        | 60.8 | 56.8  | 85.2  |
| 206       | 17.3 | 14.1  | 21.1  |





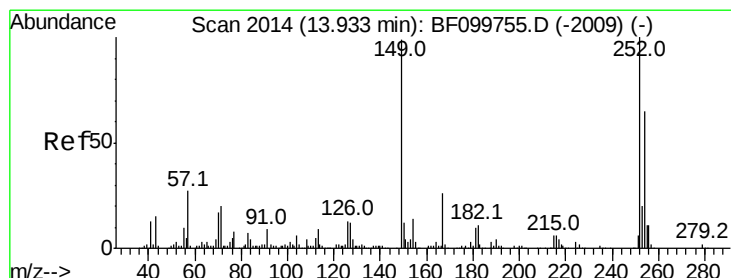
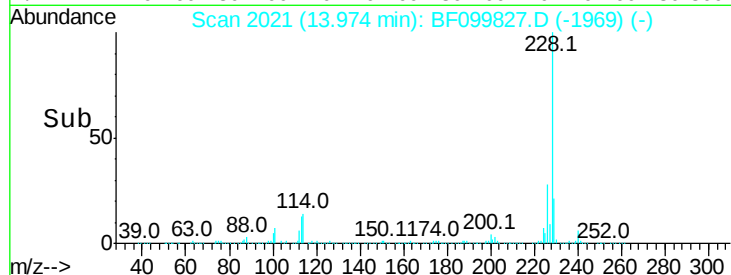
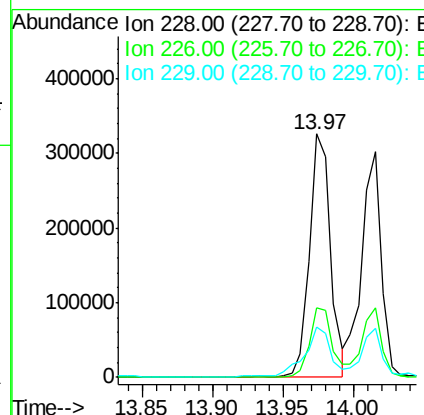
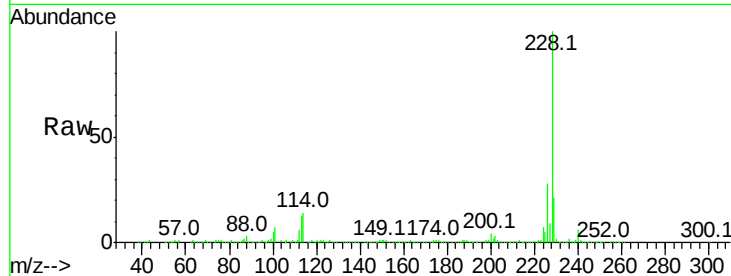
#80  
Benzo(a)anthracene  
Concen: 28.625 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.4  | 22.6  | 33.8  |
| 229     | 20.7  | 15.8  | 23.6  |

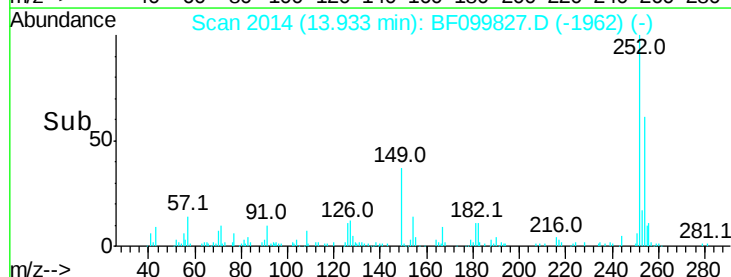
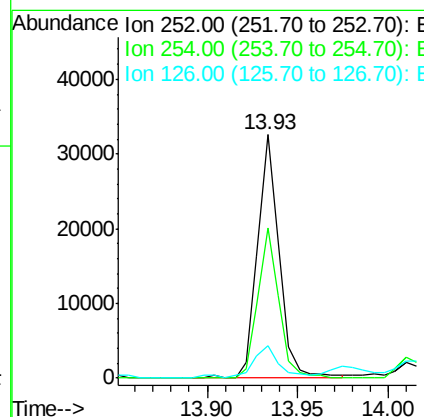
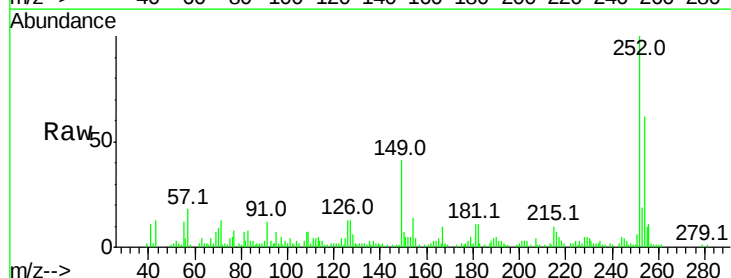
Manual Integrations  
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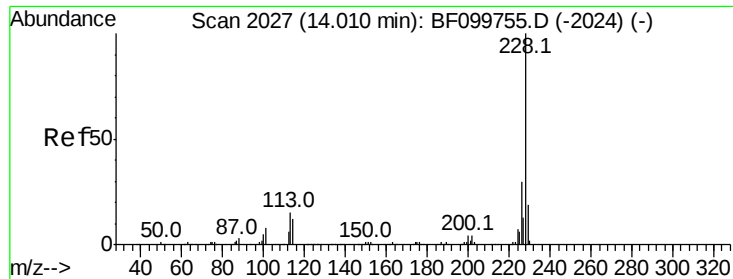
Sohil  
10/27/2017 8:59:17 AM



#81  
3,3'-Dichlorobenzidine  
Concen: 6.327 ng  
RT: 13.93 min Scan# 2014  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.6  | 50.4  | 75.6  |
| 126     | 13.4  | 11.3  | 16.9  |





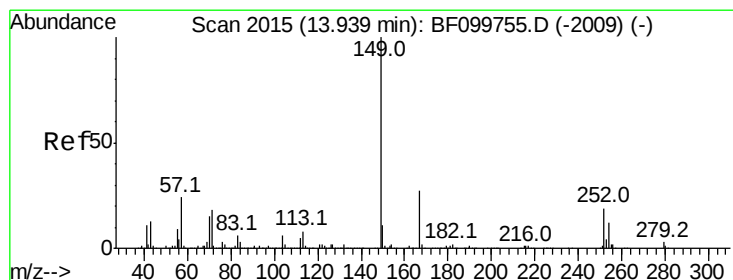
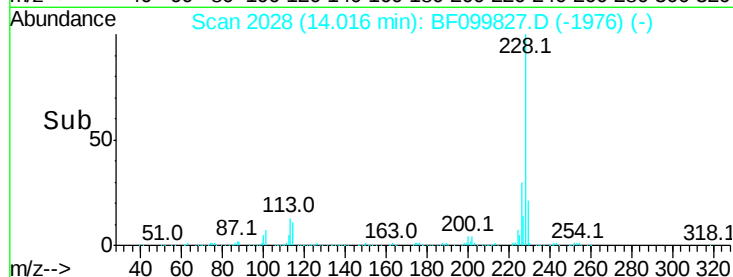
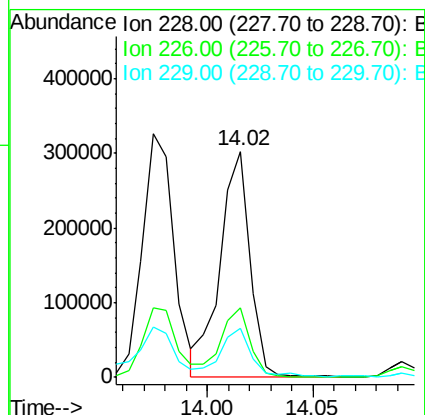
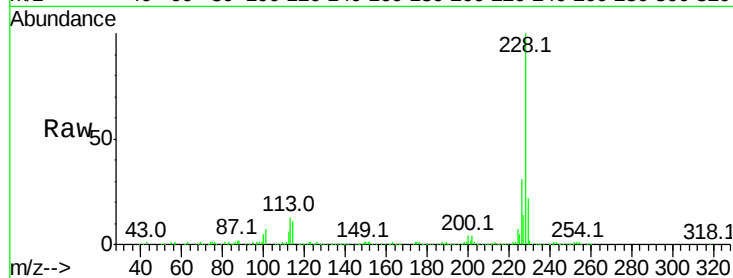
#82  
 Chrysene  
 Concen: 26.533 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 25.0  | 37.6  |
| 229     | 21.5  | 16.2  | 24.4  |

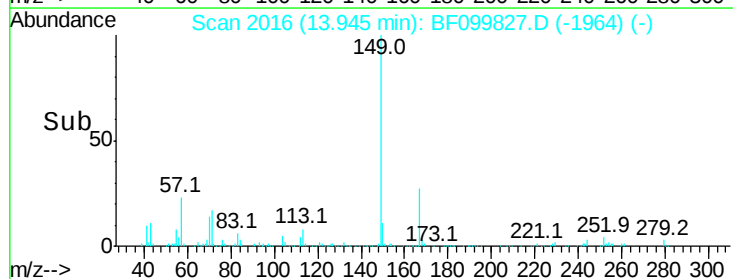
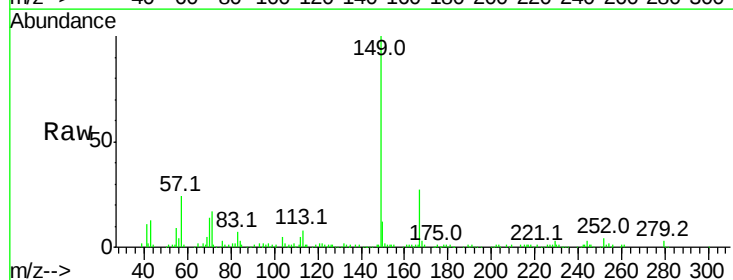
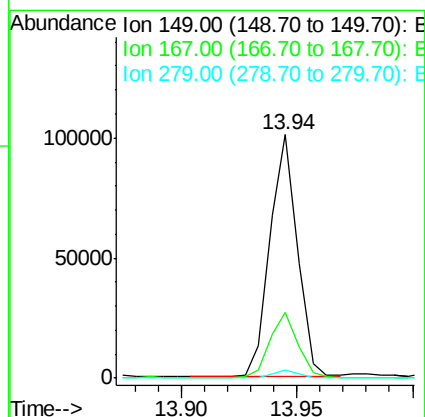
Manual Integrations  
 APPROVED

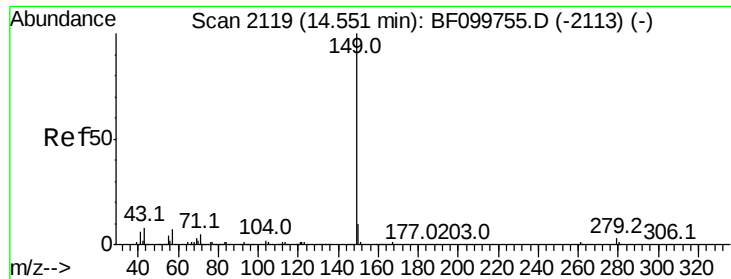
Sohil  
 10/27/2017 8:59:17 AM



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 8.535 ng  
 RT: 13.94 min Scan# 2016  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.1  | 21.3  | 31.9  |
| 279     | 3.1   | 3.0   | 4.4   |





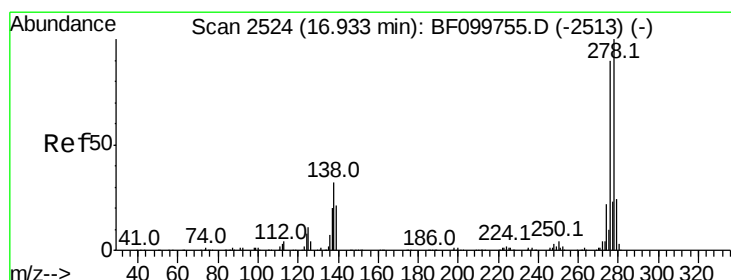
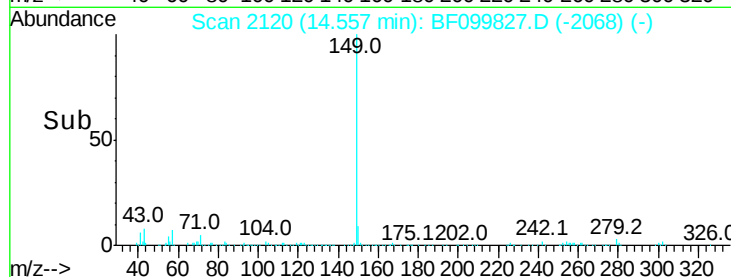
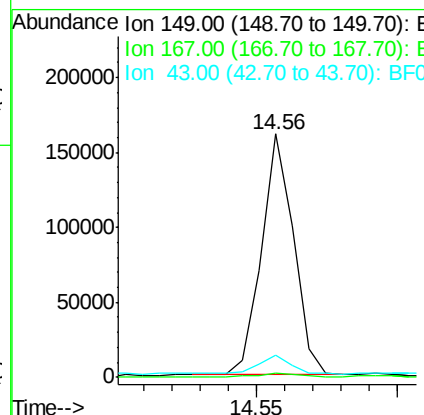
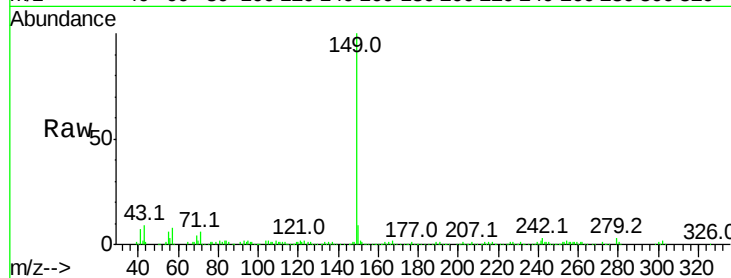
#84  
Di-n-octyl phthalate  
Concen: 7.567 ng  
RT: 14.56 min Scan# 2120  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 1.8   | 1.2        | 1.8   |
| 43      | 8.4   | 8.4        | 12.6  |

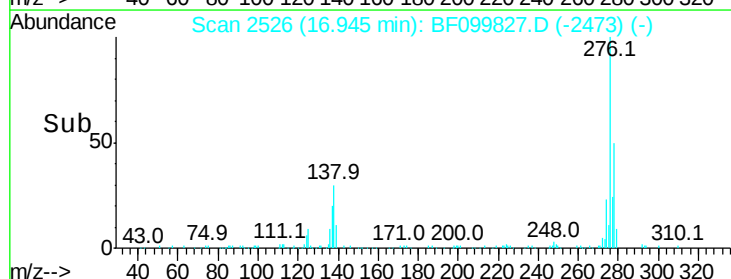
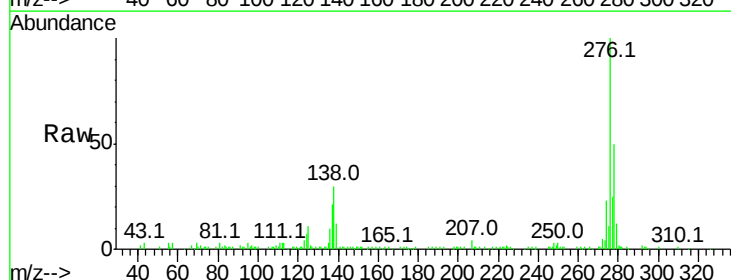
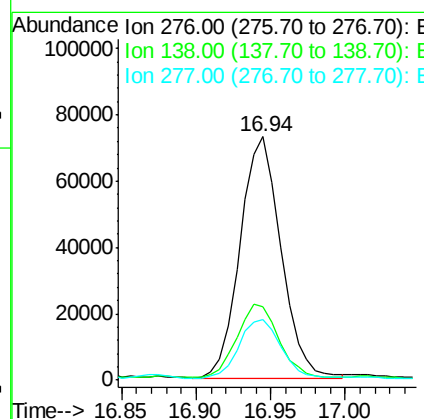
Manual Integrations  
APPROVED

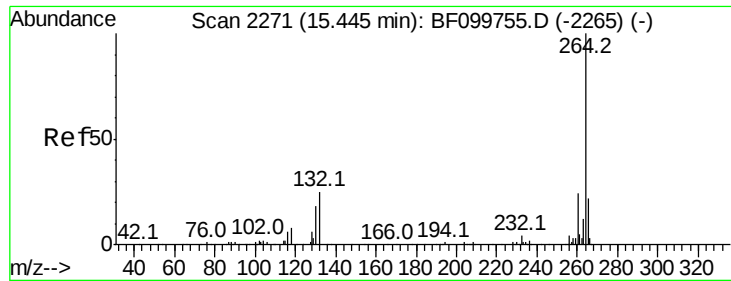
Sohil  
10/27/2017 8:59:17 AM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 13.643 ng  
RT: 16.94 min Scan# 2526  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 32.2  | 25.0       | 37.6  |
| 277     | 25.5  | 20.1       | 30.1  |





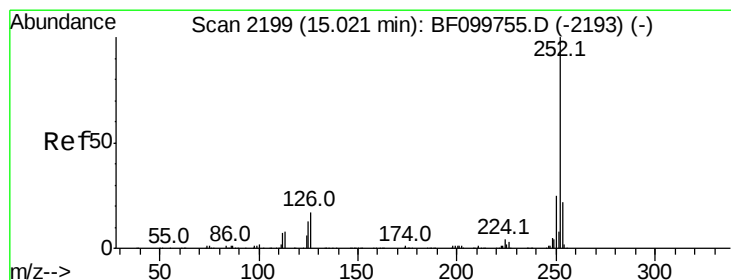
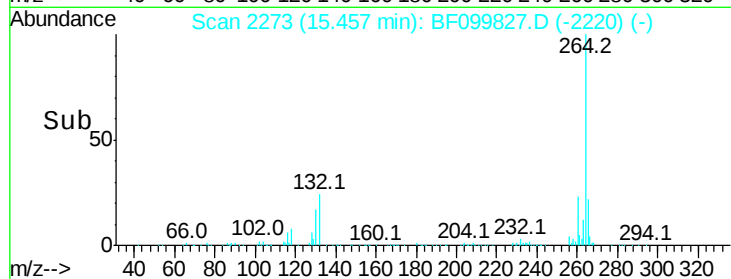
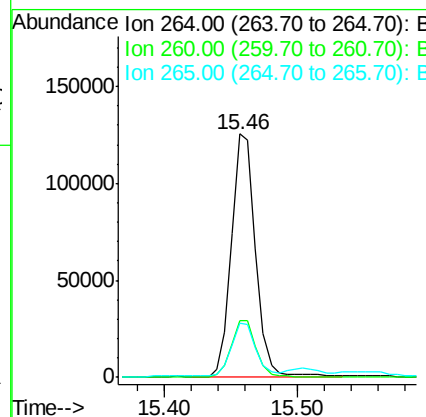
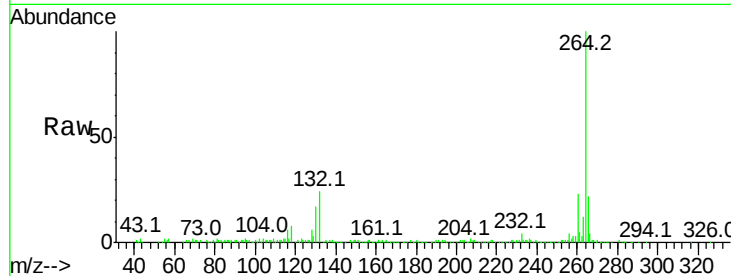
#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2273  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |

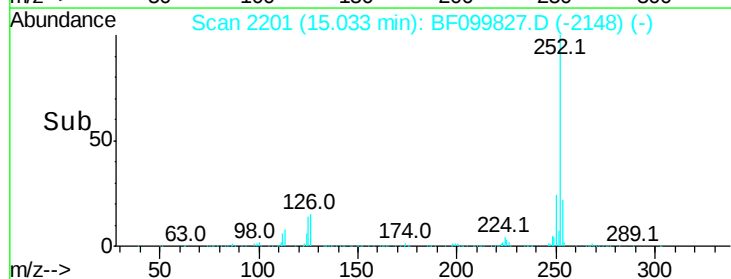
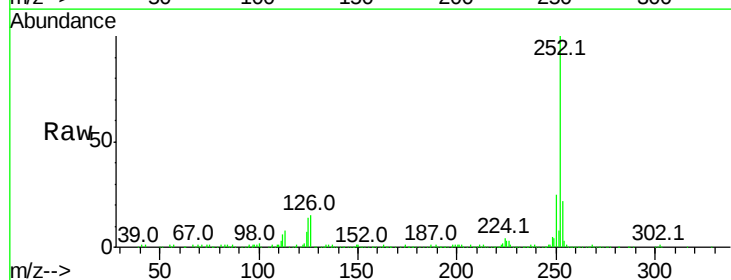
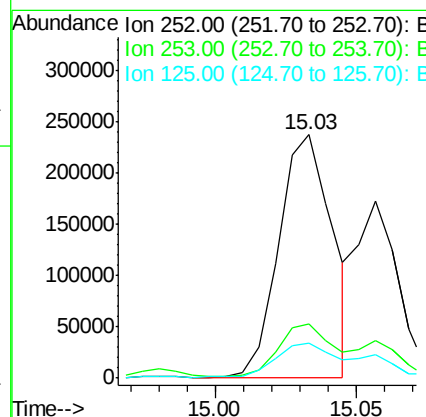
Manual Integrations  
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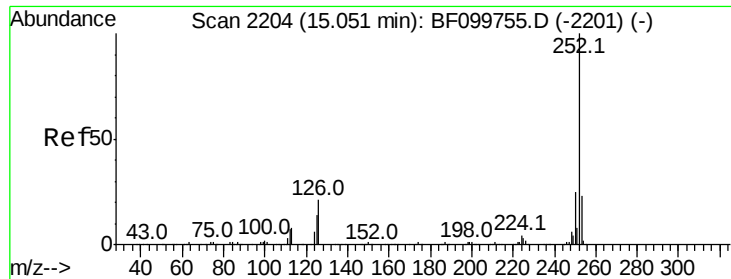
Sohil  
 10/27/2017 8:59:17 AM



#87  
 Benzo(b)fluoranthene  
 Concen: 30.910 ng  
 RT: 15.03 min Scan# 2201  
 Delta R.T. 0.01 min  
 Lab File: BF099827.D  
 Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.0  | 25.6  |
| 125     | 14.4  | 9.0   | 13.6  |





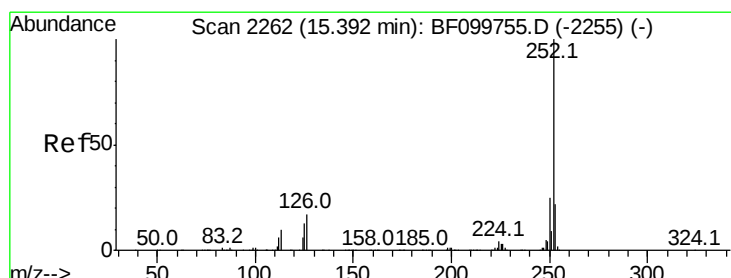
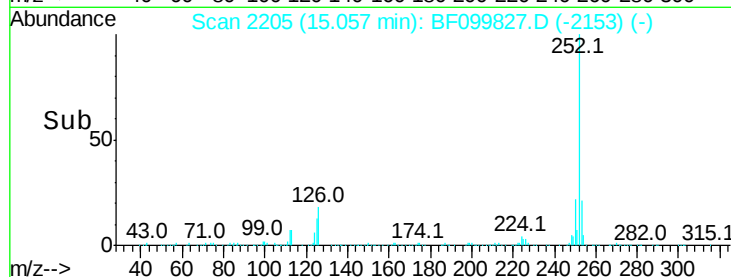
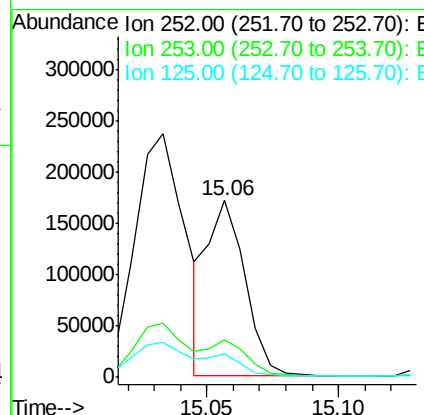
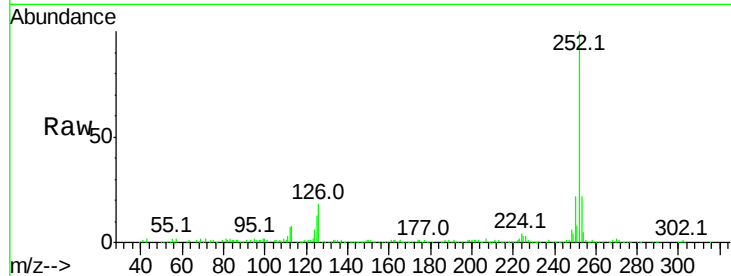
#88  
Benzo(k)fluoranthene  
Concen: 18.054 ng m  
RT: 15.06 min Scan# 2205  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.9  | 26.9  |
| 125     | 13.1  | 10.2  | 15.2  |

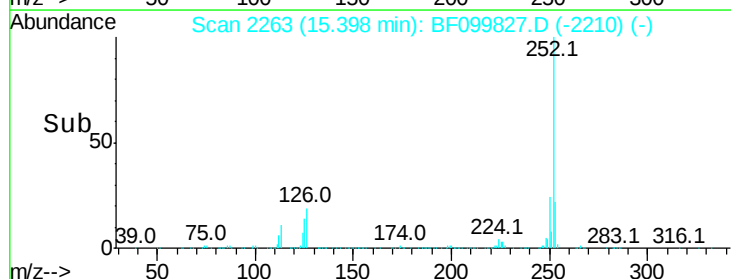
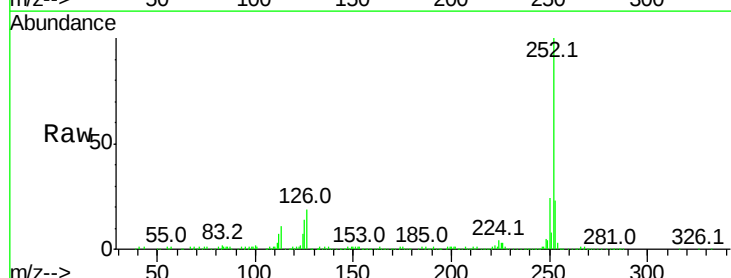
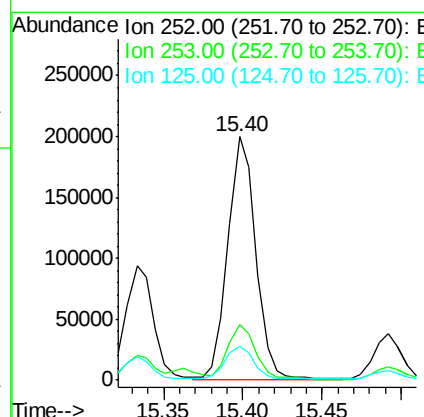
Manual Integrations  
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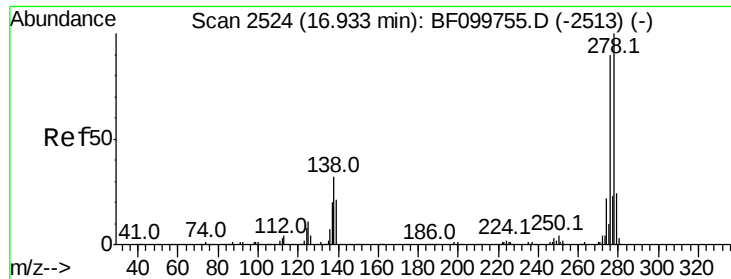
Sohil  
10/27/2017 8:59:17 AM



#89  
Benzo(a)pyrene  
Concen: 26.991 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.1  | 25.7  |
| 125     | 14.0  | 9.8   | 14.6  |





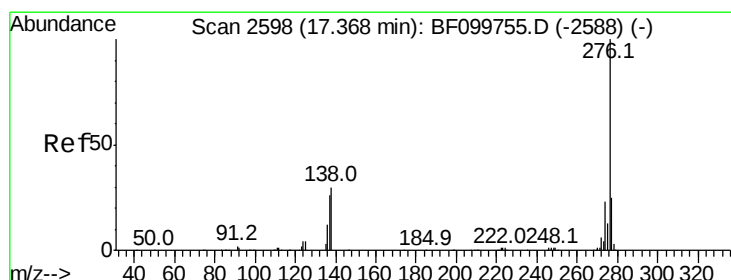
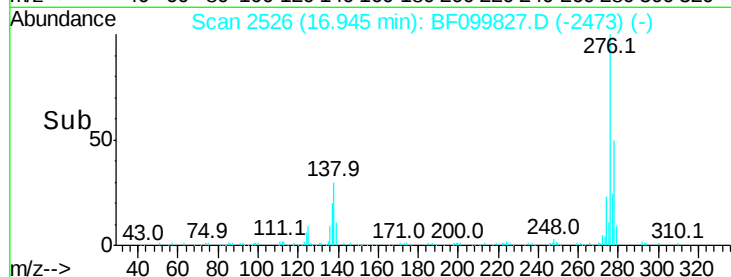
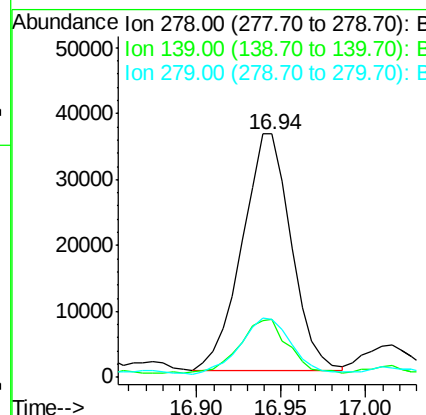
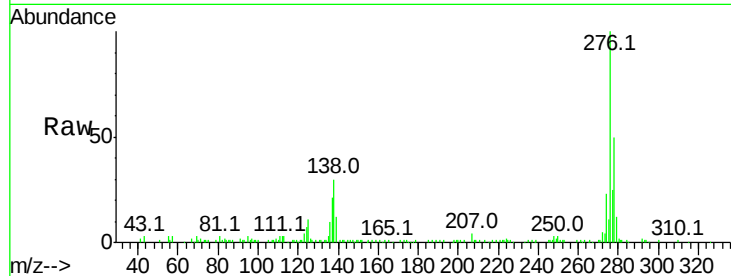
#90  
Dibenzo(a,h)anthracene  
Concen: 9.010 ng  
RT: 16.94 min Scan# 2526  
Delta R.T. 0.01 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

Instrument :  
BNA\_F  
ClientSampled :  
SB-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 24.0  | 15.9  | 23.9# |
| 279     | 23.6  | 19.0  | 28.4  |

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:59:17 AM



#91  
Benzo(g,h,i)perylene  
Concen: 15.202 ng  
RT: 17.39 min Scan# 2602  
Delta R.T. 0.02 min  
Lab File: BF099827.D  
Acq: 25 Oct 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 17.9  | 26.9  |
| 138     | 29.7  | 21.8  | 32.8  |

