

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111317\  
 Data File : BG030977.D  
 Acq On : 13 Nov 2017 17:39  
 Operator : SJ/JU  
 Sample : I6301-02MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

Manual Integrations  
 APPROVED

SOHIL  
 11/14/2017 5:22:37 PM

Quant Time: Nov 14 05:43:29 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 48978    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.96 | 136  | 203644   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.76 | 164  | 143540   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 17.50 | 188  | 375246   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.77 | 240  | 450430   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 25.06 | 264  | 456481   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.71  | 112 | 362661  | 126.97 | ng | 0.00  |
| 7) Phenol-d6             | 7.31  | 99  | 427372  | 111.06 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.31  | 82  | 315910  | 91.92  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.25 | 330 | 351888  | 151.54 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.39 | 172 | 919530  | 92.05  | ng | -0.01 |
| 78) Terphenyl-d14        | 20.09 | 244 | 1787027 | 87.60  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 44899  | 38.736 | ng | # 81   |
| 3) Pyridine                    | 3.97  | 79  | 116466 | 34.611 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.88  | 42  | 63850  | 40.036 | ng | # 91   |
| 6) Aniline                     | 7.46  | 93  | 129805 | 25.632 | ng | 93     |
| 8) 2-Chlorophenol              | 7.71  | 128 | 150388 | 47.711 | ng | 89     |
| 9) Benzaldehyde                | 7.28  | 77  | 65041  | 24.154 | ng | 92     |
| 10) Phenol                     | 7.34  | 94  | 158817 | 39.742 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 7.56  | 93  | 140531 | 44.044 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 8.03  | 146 | 163492 | 44.209 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.18  | 146 | 165793 | 44.240 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.50  | 146 | 157210 | 43.707 | ng | 97     |
| 15) Benzyl Alcohol             | 8.38  | 79  | 138353 | 44.824 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67  | 45  | 201214 | 57.092 | ng | 90     |
| 17) 2-Methylphenol             | 8.59  | 107 | 126433 | 45.434 | ng | 99     |
| 18) Hexachloroethane           | 9.23  | 117 | 57514  | 44.095 | ng | 89     |
| 19) n-Nitroso-di-n-propylamine | 8.95  | 70  | 116509 | 39.821 | ng | # 96   |
| 20) 3+4-Methylphenols          | 8.92  | 107 | 174713 | 44.153 | ng | 97     |
| 22) Acetophenone               | 8.97  | 105 | 228578 | 45.080 | ng | # 93   |
| 24) Nitrobenzene               | 9.36  | 77  | 168650 | 48.041 | ng | 91     |
| 25) Isophorone                 | 9.87  | 82  | 329530 | 49.166 | ng | # 90   |
| 26) 2-Nitrophenol              | 10.07 | 139 | 91838  | 50.188 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 10.12 | 122 | 150651 | 55.456 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93  | 197909 | 46.883 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.61 | 162 | 183553 | 56.268 | ng | 88     |
| 30) 1,2,4-Trichlorobenzene     | 10.82 | 180 | 195547 | 50.209 | ng | 98     |
| 31) Naphthalene                | 11.01 | 128 | 531359 | 53.078 | ng | 98     |
| 32) Benzoic acid               | 10.24 | 122 | 19649  | 13.321 | ng | # 82   |
| 33) 4-Chloroaniline            | 11.12 | 127 | 43628  | 9.955  | ng | 95     |
| 34) Hexachlorobutadiene        | 11.28 | 225 | 135001 | 49.981 | ng | 95     |
| 35) Caprolactam                | 11.89 | 113 | 45317m | 34.006 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 178986 | 50.412 | ng | 90     |
| 37) 2-Methylnaphthalene        | 12.60 | 142 | 385728 | 49.912 | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 257323 | 45.168 | ng | 96     |
| 40) Hexachlorocyclopentadiene  | 12.94 | 237 | 199768 | 92.838 | ng | 92     |

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 BNA\_G  
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 JC-02-110917-AMSD

Manual Integrations  
 APPROVED

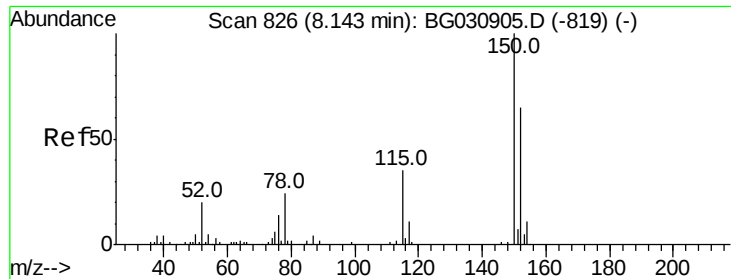
SOHIL  
 11/14/2017 5:22:37 PM

Quant Time: Nov 14 05:43:29 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.20 | 196  | 175469   | 53.878 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.29 | 196  | 184541   | 51.789 | ng    | # 91     |
| 45) 1,1'-Biphenyl              | 13.60 | 154  | 525753   | 44.171 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.65 | 162  | 418677   | 48.752 | ng    | 96       |
| 47) 2-Nitroaniline             | 13.85 | 65   | 120374   | 47.290 | ng    | # 80     |
| 48) Acenaphthylene             | 14.49 | 152  | 639189   | 45.474 | ng    | 99       |
| 49) Dimethylphthalate          | 14.21 | 163  | 587727   | 47.355 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.33 | 165  | 132701   | 51.875 | ng    | # 79     |
| 51) Acenaphthene               | 14.83 | 154  | 406778   | 46.338 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.67 | 138  | 74683    | 27.495 | ng    | # 80     |
| 53) 2,4-Dinitrophenol          | 14.88 | 184  | 52561    | 40.475 | ng    | # 52     |
| 54) Dibenzofuran               | 15.16 | 168  | 685040   | 48.992 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.99 | 139  | 169466   | 87.585 | ng    | # 84     |
| 56) 2,4-Dinitrotoluene         | 15.13 | 165  | 189412   | 51.217 | ng    | # 72     |
| 57) Fluorene                   | 15.81 | 166  | 540155   | 47.582 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.38 | 232  | 193800   | 57.065 | ng    | # 87     |
| 59) Diethylphthalate           | 15.56 | 149  | 580154   | 46.019 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204  | 333920   | 48.705 | ng    | 90       |
| 61) 4-Nitroaniline             | 15.83 | 138  | 127562   | 44.351 | ng    | 93       |
| 62) Azobenzene                 | 16.08 | 77   | 448429   | 46.641 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198  | 71603    | 28.707 | ng    | # 74     |
| 65) n-Nitrosodiphenylamine     | 16.01 | 169  | 511303   | 44.966 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.68 | 248  | 243127   | 51.156 | ng    | 93       |
| 67) Hexachlorobenzene          | 16.81 | 284  | 256705   | 50.834 | ng    | # 91     |
| 68) Atrazine                   | 16.95 | 200  | 217154   | 46.286 | ng    | 96       |
| 69) Pentachlorophenol          | 17.15 | 266  | 258241   | 92.511 | ng    | 98       |
| 70) Phenanthrene               | 17.54 | 178  | 952716   | 48.762 | ng    | 100      |
| 71) Anthracene                 | 17.63 | 178  | 954522   | 48.757 | ng    | 99       |
| 72) Carbazole                  | 17.91 | 167  | 869569   | 47.405 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.44 | 149  | 1004625  | 44.605 | ng    | 99       |
| 74) Fluoranthene               | 19.54 | 202  | 1255849  | 50.767 | ng    | 96       |
| 76) Benzidine                  | 19.71 | 184  | 269515   | 18.627 | ng    | 98       |
| 77) Pyrene                     | 19.90 | 202  | 1272642  | 47.614 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.77 | 149  | 487255   | 45.721 | ng    | # 83     |
| 80) Benzo(a)anthracene         | 21.75 | 228  | 1345376  | 48.086 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 303405   | 26.864 | ng    | # 98     |
| 82) Chrysene                   | 21.82 | 228  | 1259144  | 48.650 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 675488   | 43.910 | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 22.86 | 149  | 1127815  | 45.044 | ng    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.86 | 276  | 1590839  | 50.561 | ng    | # 88     |
| 87) Benzo(b)fluoranthene       | 24.02 | 252  | 1356136  | 49.113 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.09 | 252  | 1354904  | 49.504 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 24.91 | 252  | 1316575  | 50.191 | ng    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 28.91 | 278  | 1326485  | 49.474 | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 30.04 | 276  | 1310598  | 50.364 | ng    | # 94     |

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





#1

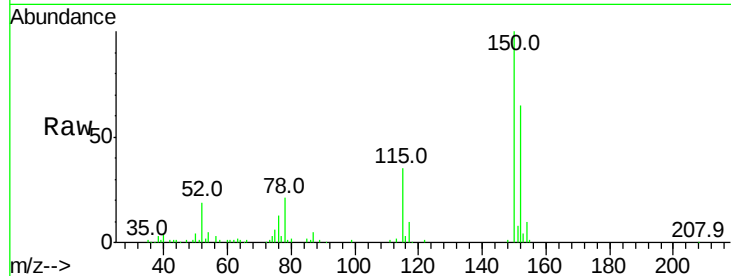
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.14 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

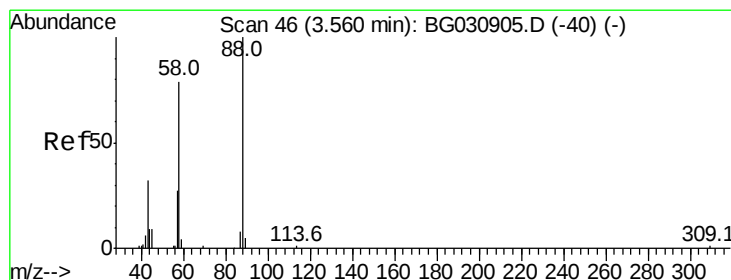
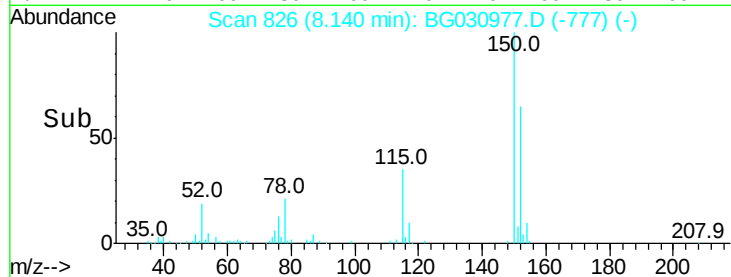
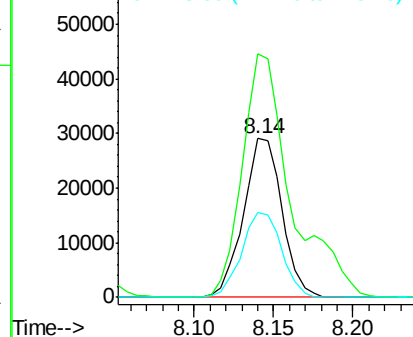
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.5 | 126.6 | 189.8 |
| 115     | 53.4  | 53.0  | 79.4  |

Manual Integrations  
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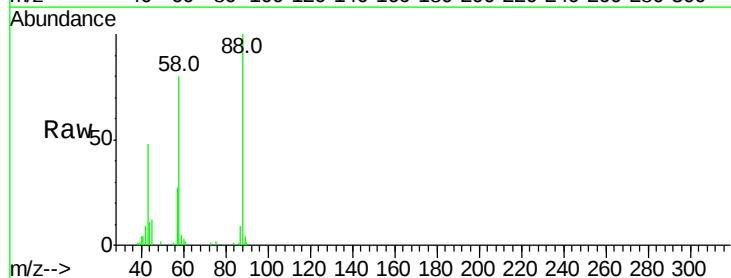
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



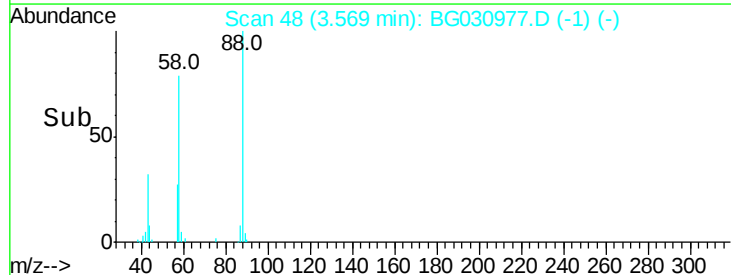
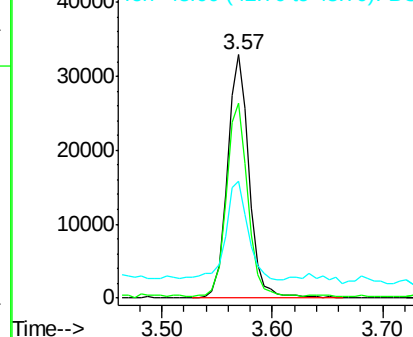
#2

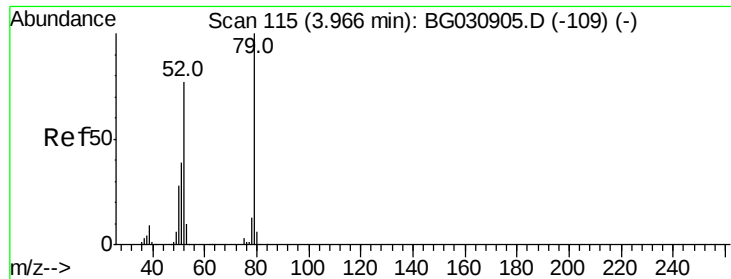
1,4-Dioxane  
Concen: 38.736 ng  
RT: 3.57 min Scan# 48  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 88      | 100   |       |        |
| 58      | 77.6  | 79.6  | 119.4# |
| 43      | 41.1  | 27.4  | 41.0#  |



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 34.611 ng

RT: 3.97 min Scan# 117

Delta R.T. -0.00 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-AMSD

Tot Ion: 79 Resp: 116466

Ion Ratio Lower Upper

79 100

52 76.1 69.9 104.9

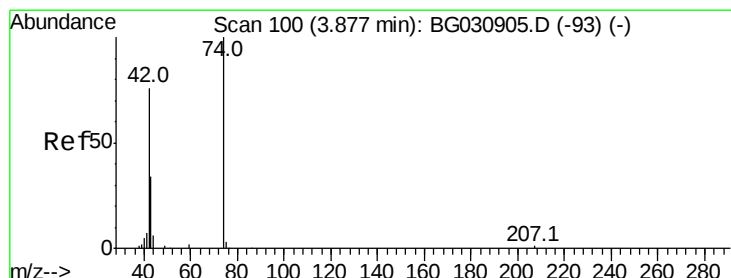
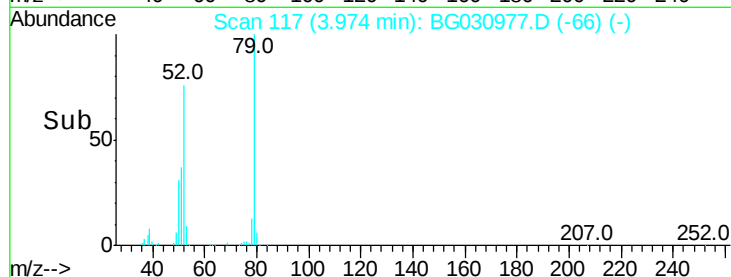
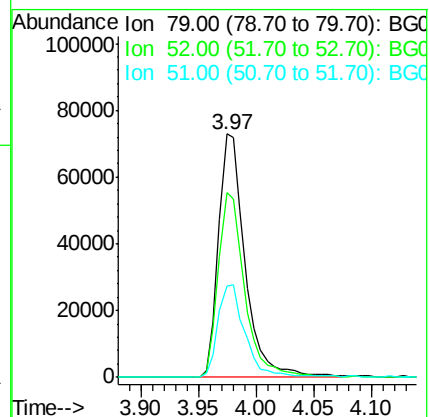
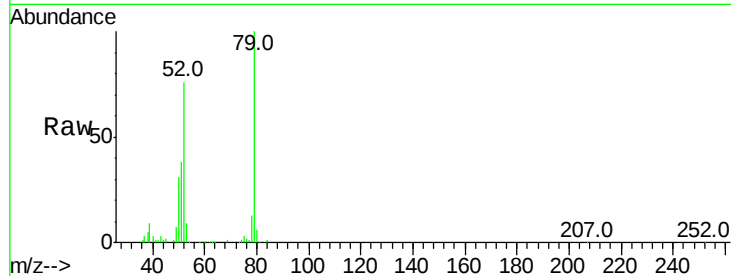
51 37.7 34.0 51.0

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 40.036 ng

RT: 3.88 min Scan# 101

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

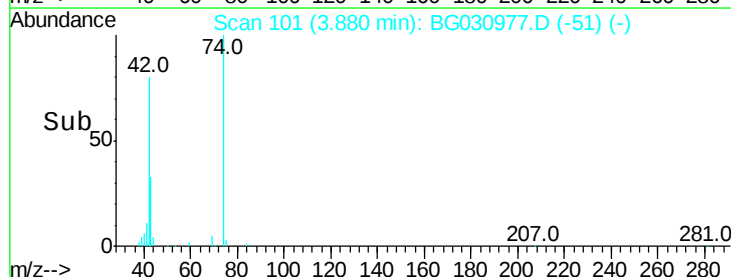
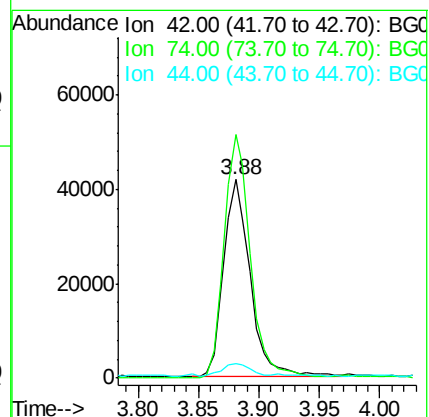
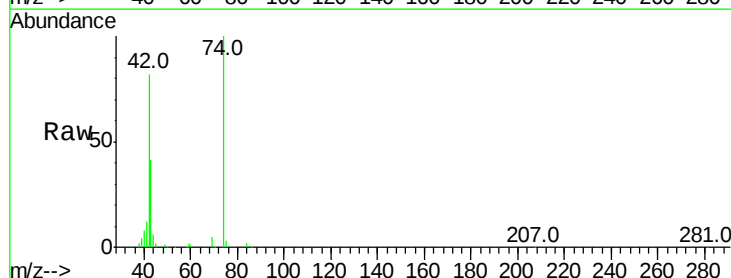
Tgt Ion: 42 Resp: 63850

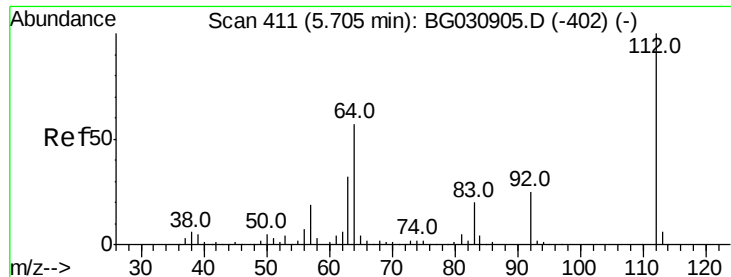
Ion Ratio Lower Upper

42 100

74 122.7 102.5 153.7

44 7.0 18.9 28.3#





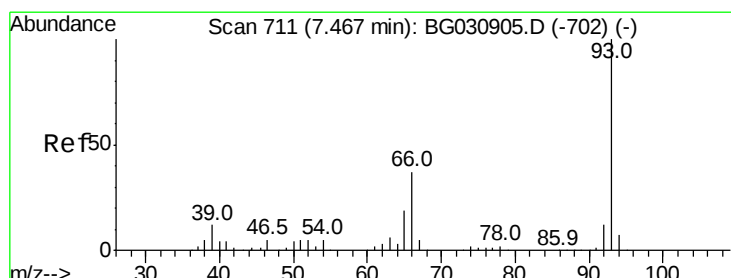
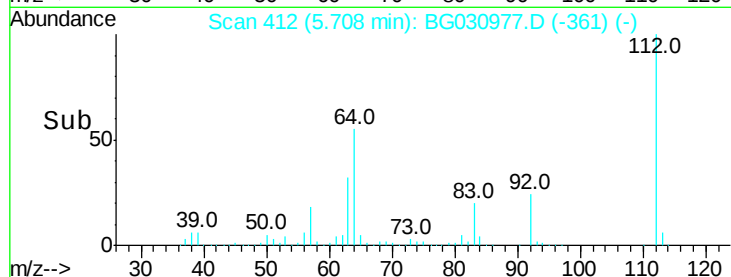
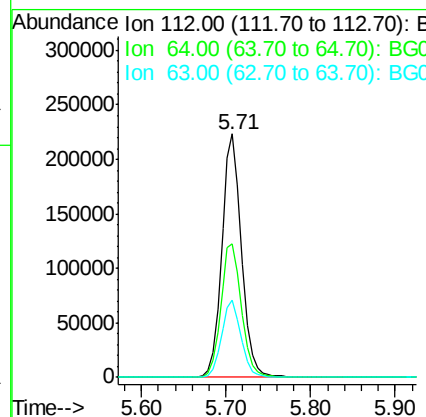
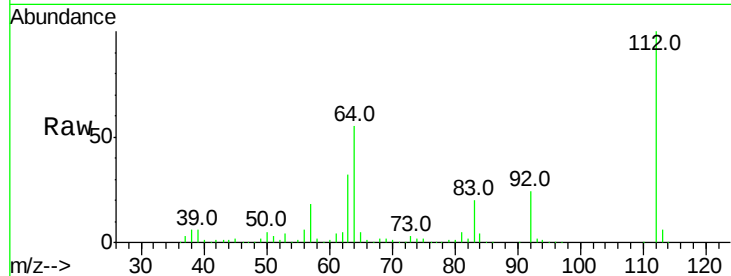
#5  
 2-Fluorophenol  
 Concen: 126.971 ng  
 RT: 5.71 min Scan# 412  
 Delta R.T. -0.00 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 112     | 100   |            |       |
| 64      | 55.0  | 56.3       | 84.5# |
| 63      | 31.5  | 30.1       | 45.1  |

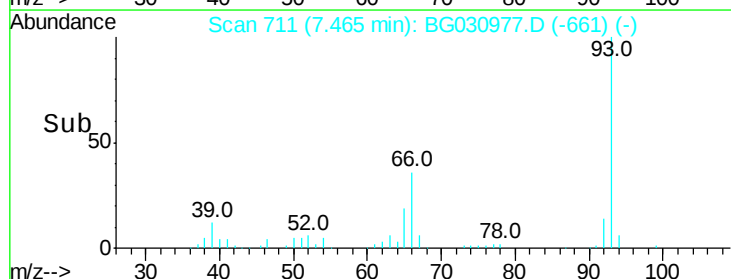
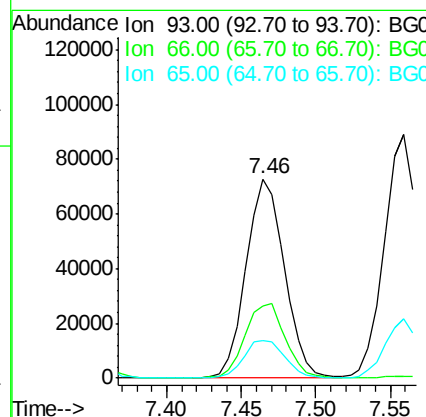
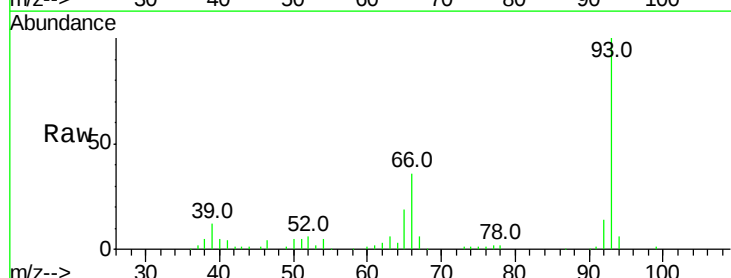
Manual Integrations  
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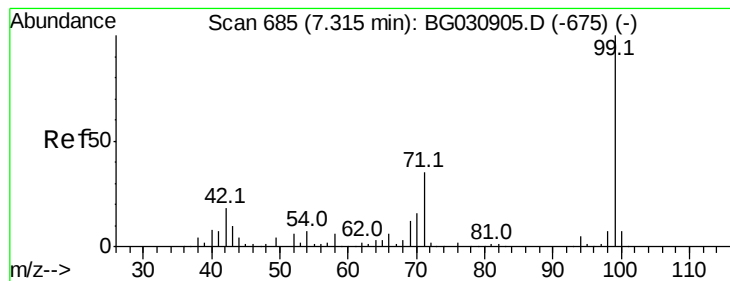
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 11/14/2017 5:22:37 PM



#6  
 Aniline  
 Concen: 25.632 ng  
 RT: 7.46 min Scan# 711  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 66      | 36.3  | 33.7       | 50.5  |
| 65      | 18.7  | 16.1       | 24.1  |





#7

Phenol-d6

Concen: 111.063 ng

RT: 7.31 min Scan# 685

Delta R.T. 0.00 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-AMSD

Tot Ion: 99 Resp: 427372

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

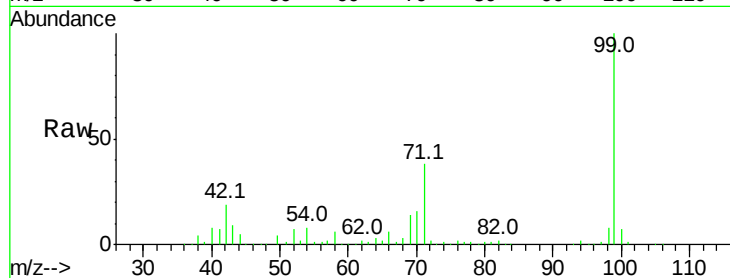
71 37.6 26.1 39.1

Manual Integrations

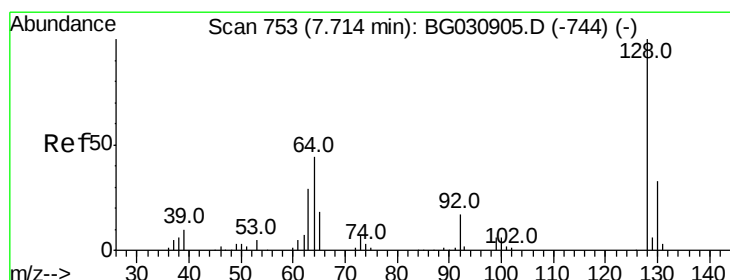
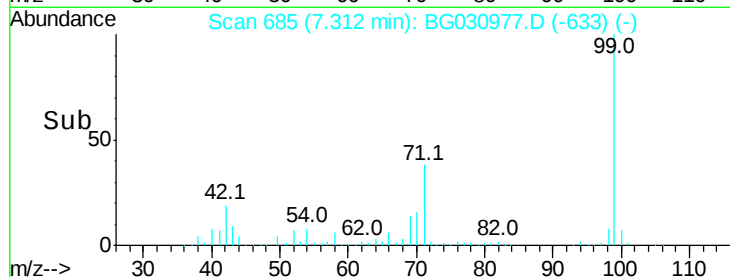
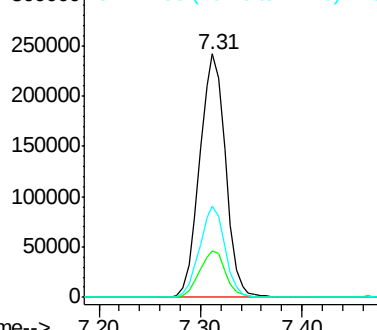
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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 47.711 ng

RT: 7.71 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

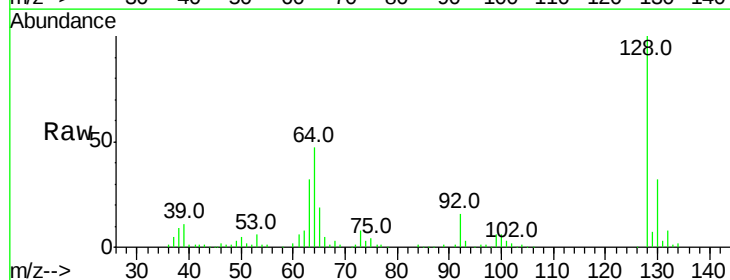
Tgt Ion: 128 Resp: 150388

Ion Ratio Lower Upper

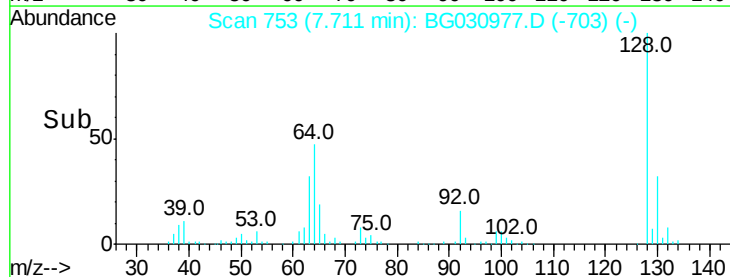
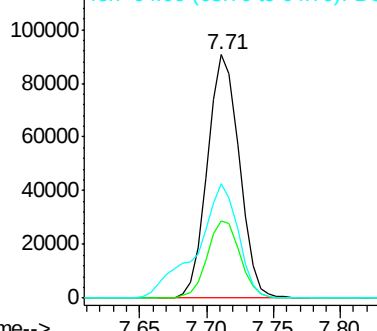
128 100

130 32.0 14.0 54.0

64 46.8 37.7 77.7



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





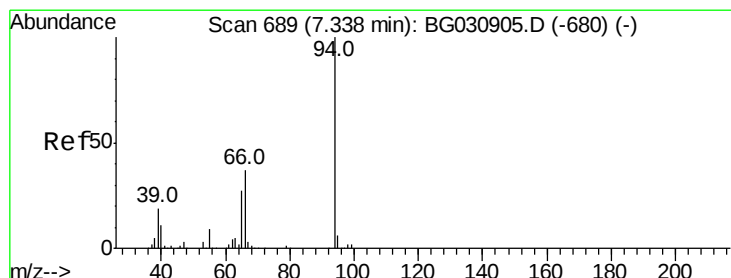
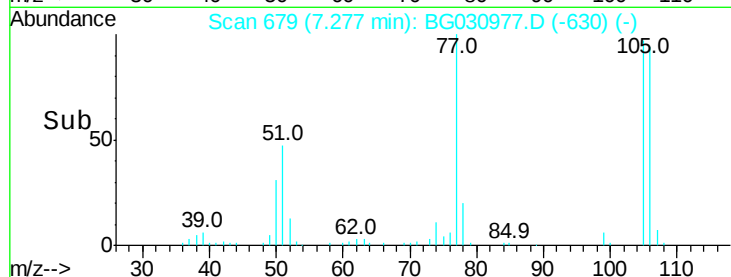
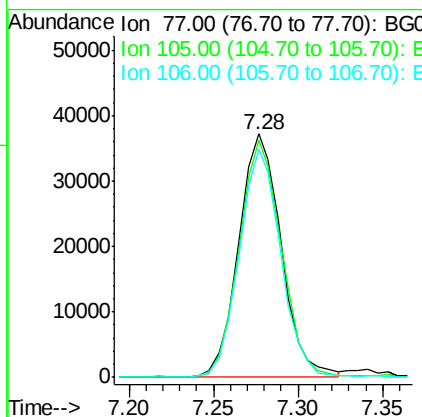
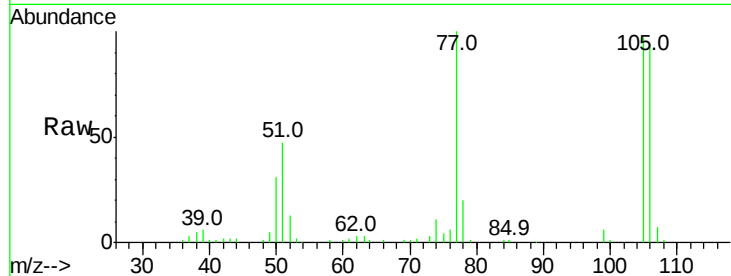
#9  
Benzaldehyde  
Concen: 24.154 ng  
RT: 7.28 min Scan# 679  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

Tot Ion: 77 Resp: 65041  
Ion Ratio Lower Upper  
77 100  
105 97.2 71.3 111.3  
106 93.9 64.2 104.2

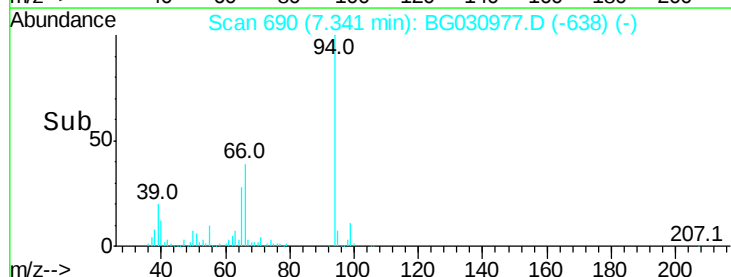
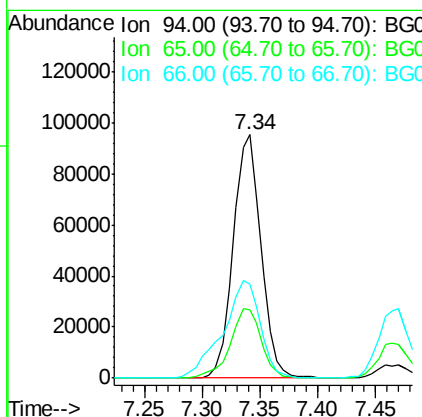
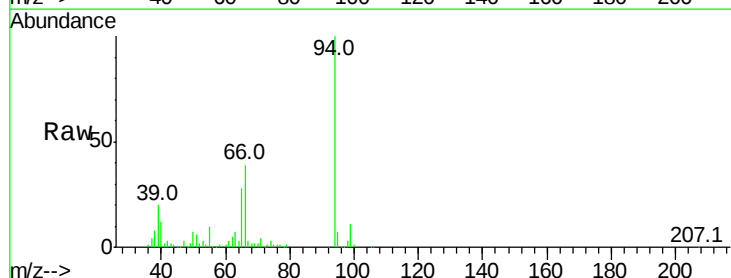
Manual Integrations  
APPROVED

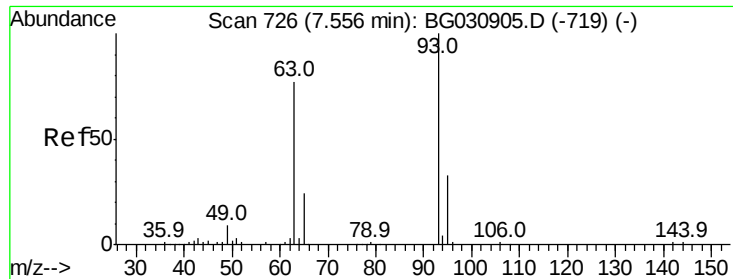
SOHIL  
11/14/2017 5:22:37 PM



#10  
Phenol  
Concen: 39.742 ng  
RT: 7.34 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Tgt Ion: 94 Resp: 158817  
Ion Ratio Lower Upper  
94 100  
65 28.3 11.9 51.9  
66 38.6 22.2 62.2





#11

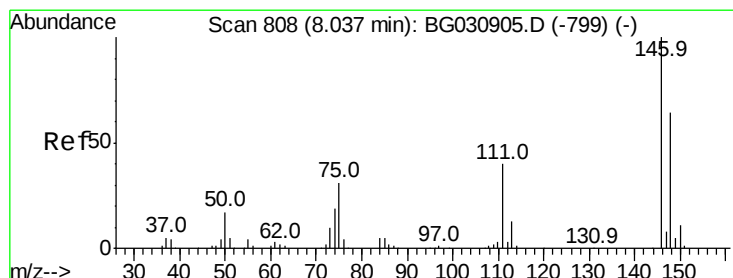
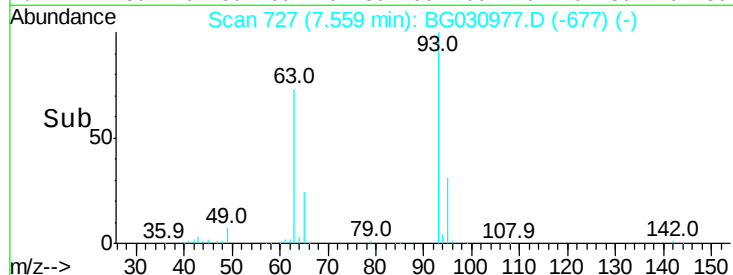
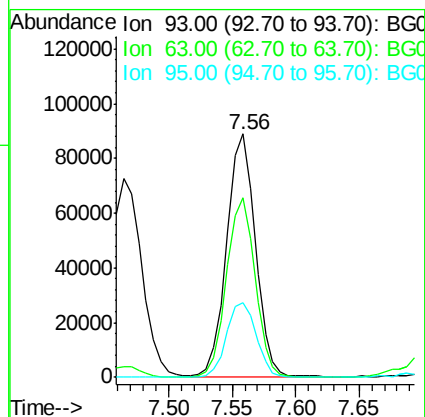
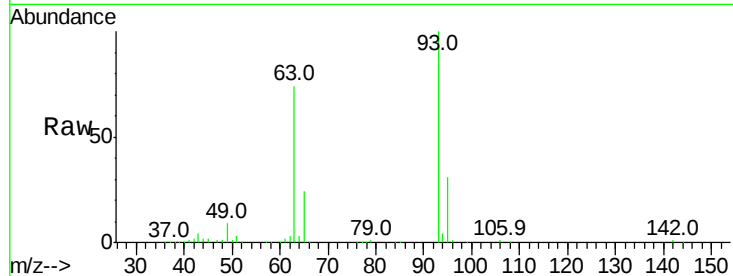
bis(2-Chloroethyl)ether  
Concen: 44.044 ng  
RT: 7.56 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 73.9  | 67.1  | 107.1 |
| 95      | 30.6  | 11.5  | 51.5  |

Manual Integrations  
APPROVED

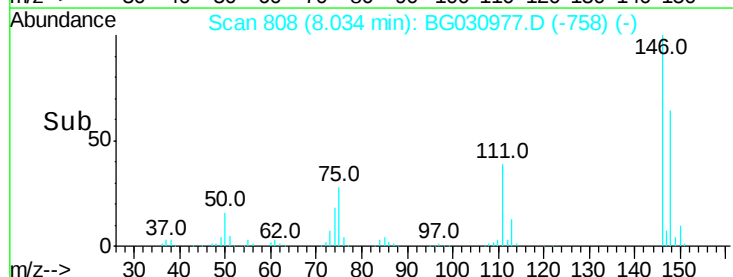
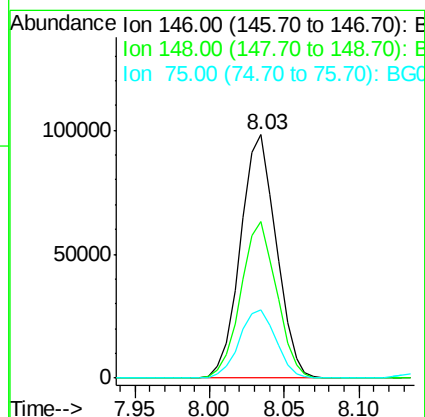
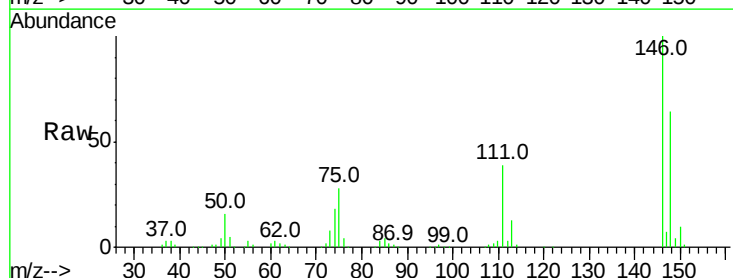
SOHIL  
11/14/2017 5:22:37 PM

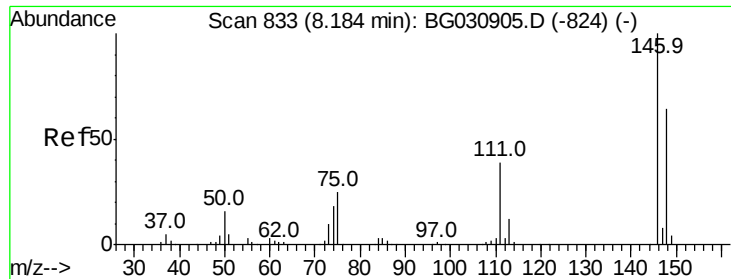


#12

1,3-Dichlorobenzene  
Concen: 44.209 ng  
RT: 8.03 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 51.4  | 77.2  |
| 75      | 28.0  | 26.6  | 39.8  |





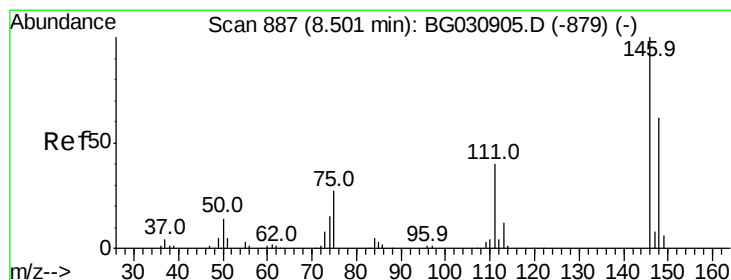
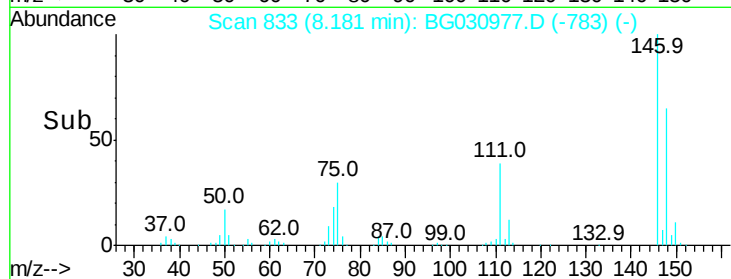
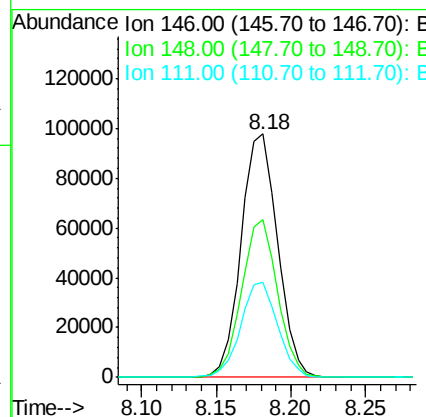
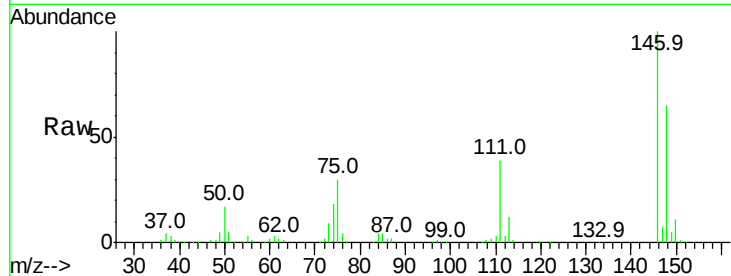
#13  
 1,4-Dichlorobenzene  
 Concen: 44.240 ng  
 RT: 8.18 min Scan# 833  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 53.7  | 80.5  |
| 111     | 39.3  | 35.2  | 52.8  |

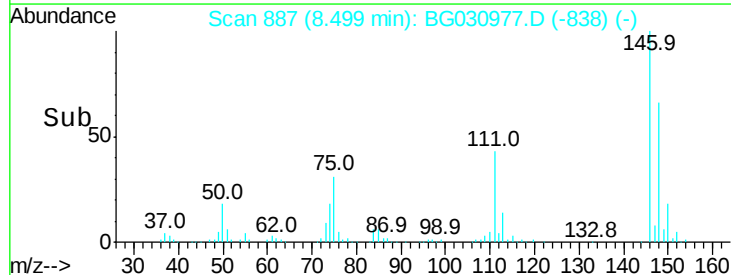
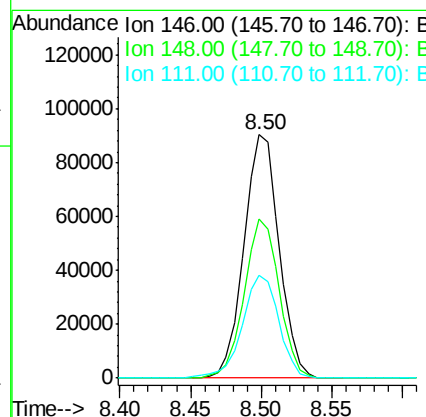
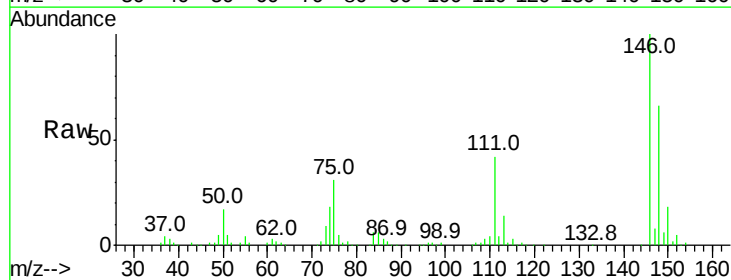
Manual Integrations  
 APPROVED

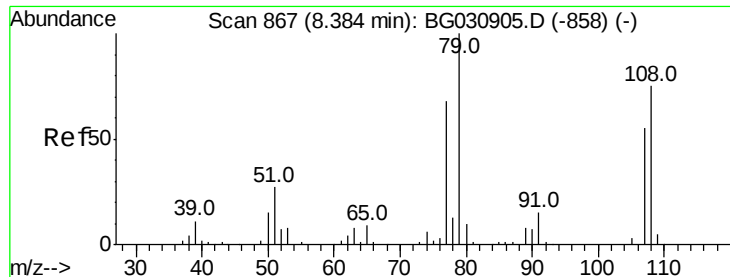
SOHIL  
 11/14/2017 5:22:37 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 43.707 ng  
 RT: 8.50 min Scan# 887  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.5  | 49.3  | 73.9  |
| 111     | 42.4  | 34.3  | 51.5  |





#15

Benzyl Alcohol

Concen: 44.824 ng

RT: 8.38 min Scan# 867

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-AMSD

Tot Ion: 79 Resp: 138353

Ion Ratio Lower Upper

79 100

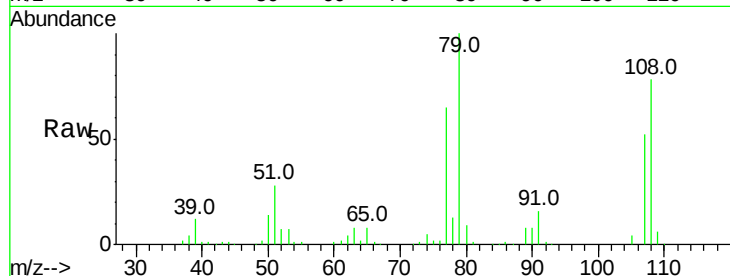
108 77.7 57.2 85.8

77 64.7 46.1 69.1

Manual Integrations  
APPROVED

SOHIL

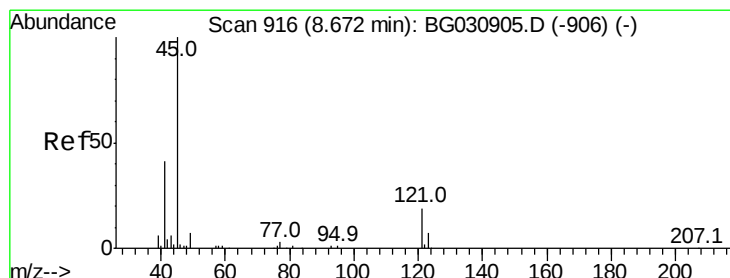
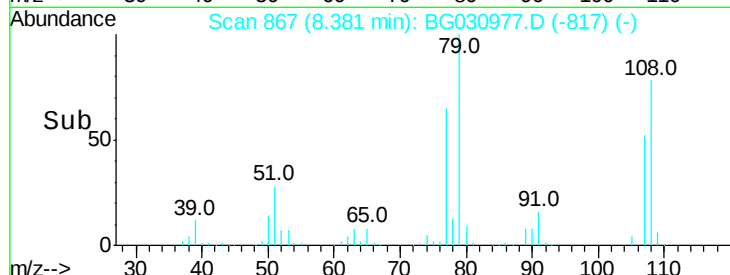
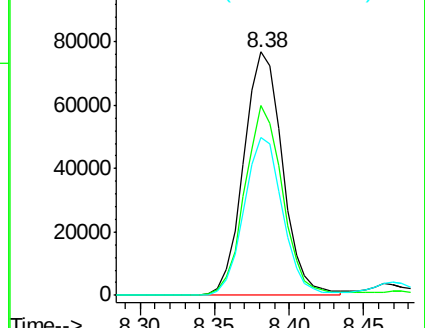
11/14/2017 5:22:37 PM



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 57.092 ng

RT: 8.67 min Scan# 916

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

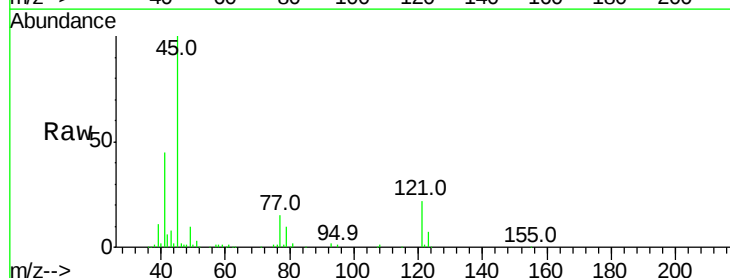
Tgt Ion: 45 Resp: 201214

Ion Ratio Lower Upper

45 100

77 15.1 0.0 30.2

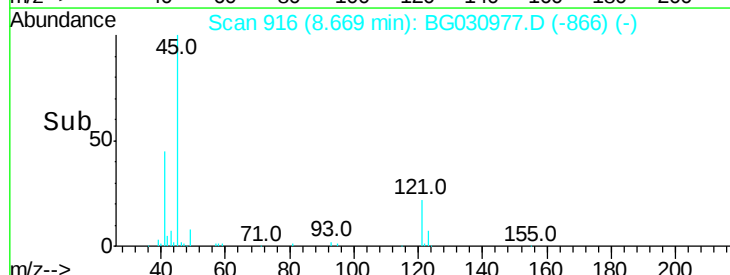
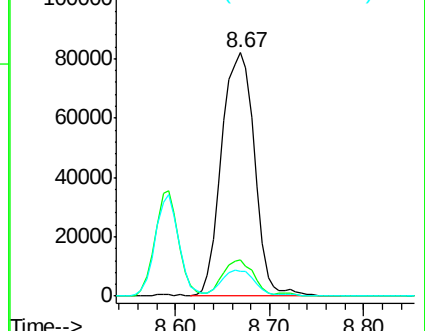
79 10.2 0.0 27.9

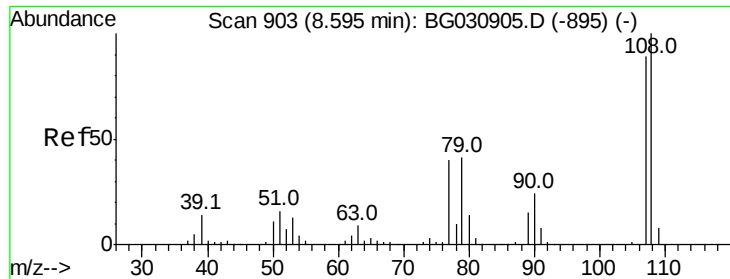


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





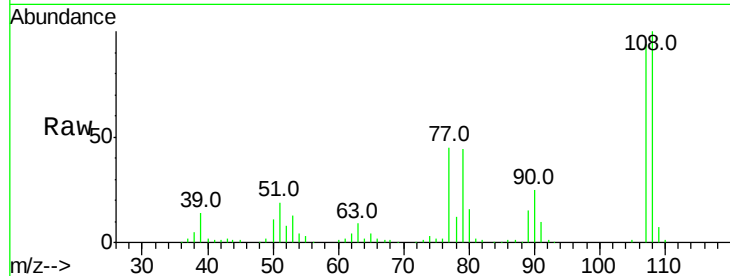
#17  
2-Methylphenol  
Concen: 45.434 ng  
RT: 8.59 min Scan# 903  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

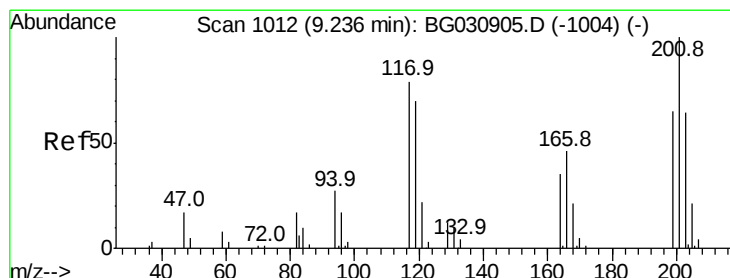
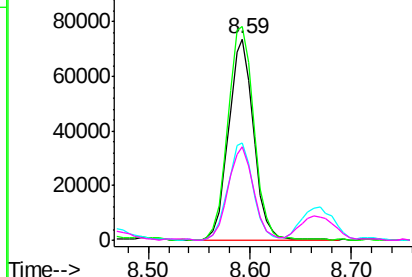
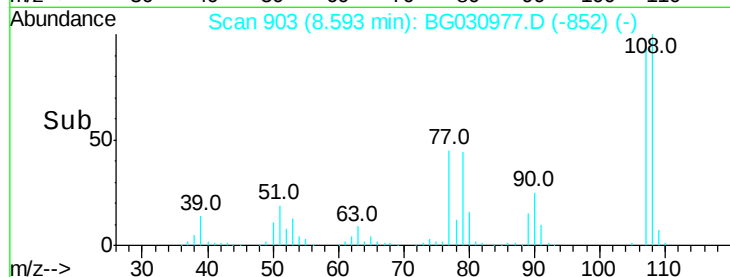
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 106.0 | 83.9 | 125.9 |       |
| 77      | 48.1  | 37.2 | 55.8  |       |
| 79      | 46.2  | 36.2 | 54.2  |       |

Manual Integrations  
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11/14/2017 5:22:37 PM

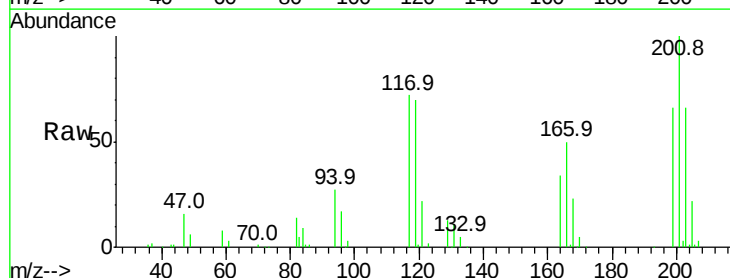


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

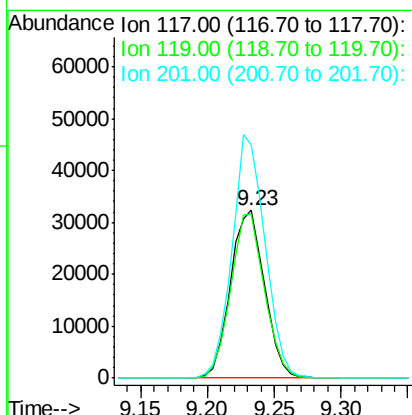
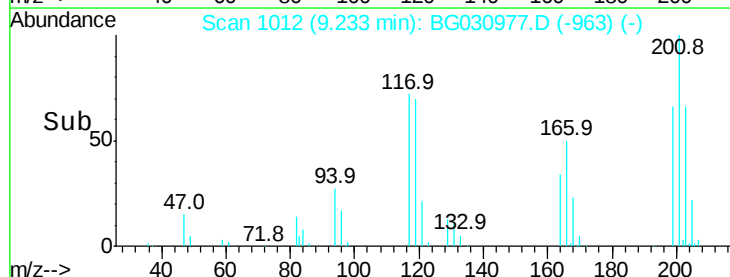


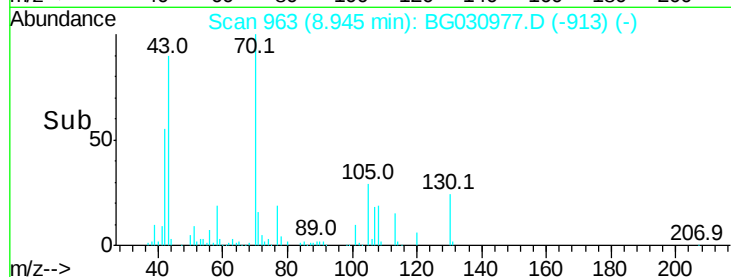
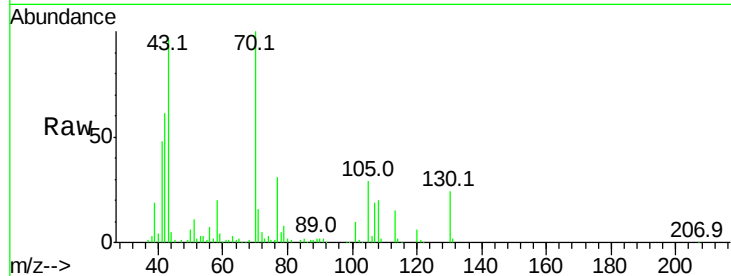
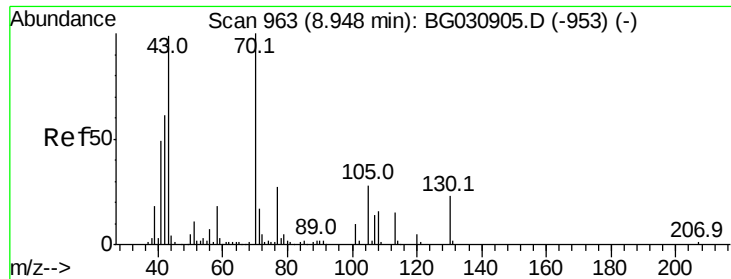
#18  
Hexachloroethane  
Concen: 44.095 ng  
RT: 9.23 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.9  | 76.7 | 115.1 |       |
| 201     | 139.4 | 95.7 | 143.5 |       |



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





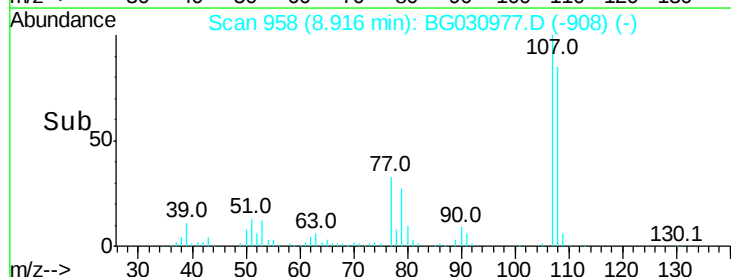
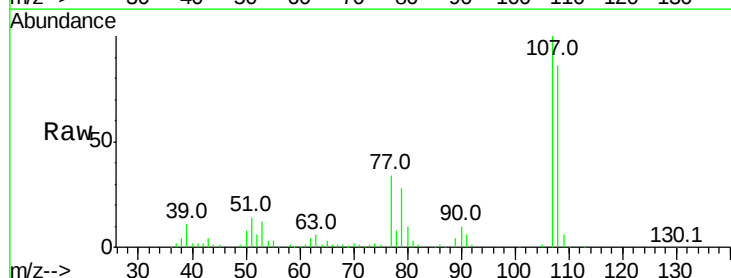
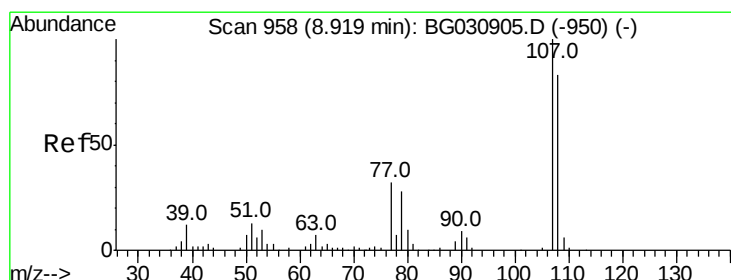
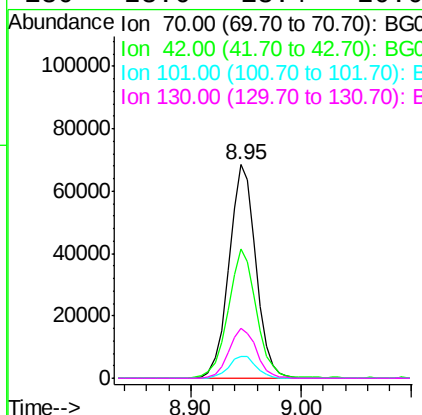
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.821 ng  
RT: 8.95 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 60.6  | 49.1  | 73.7  |
| 101     | 10.0  | 8.5   | 12.7  |
| 130     | 23.6  | 13.4  | 20.0  |

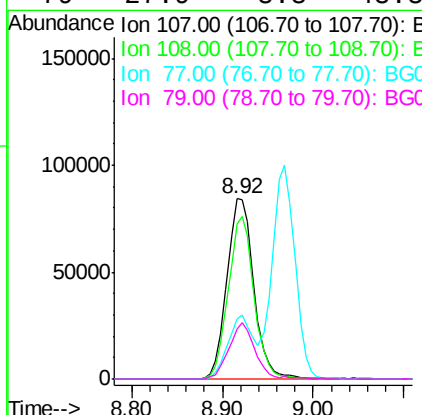
Manual Integrations  
APPROVED

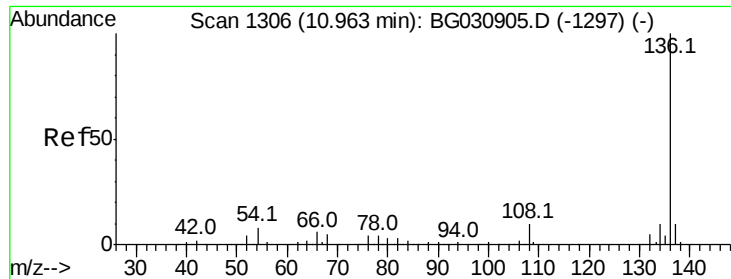
SOHIL  
11/14/2017 5:22:37 PM



#20  
3+4-Methylphenols  
Concen: 44.153 ng  
RT: 8.92 min Scan# 958  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 85.7  | 61.6  | 101.6 |
| 77      | 33.6  | 13.9  | 53.9  |
| 79      | 27.9  | 8.8   | 48.8  |





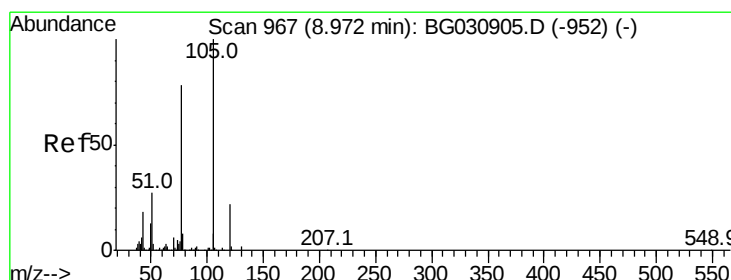
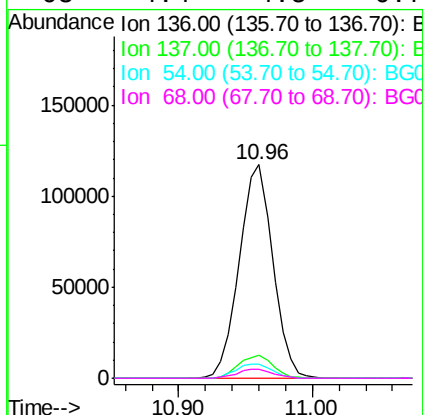
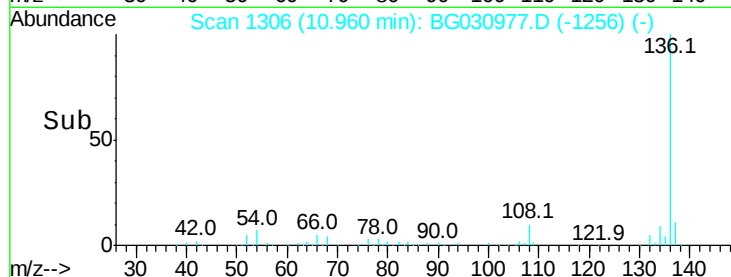
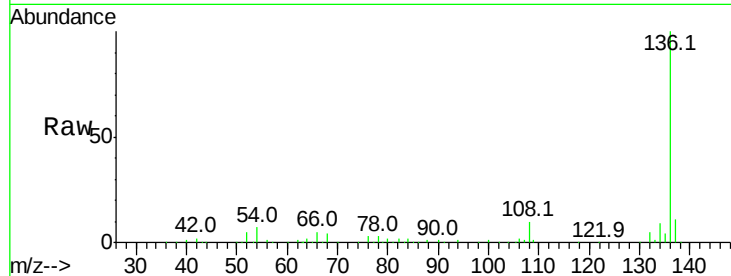
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.96 min Scan# 1306  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.7  | 9.2   | 13.8  |
| 54      | 6.6   | 10.3  | 15.5# |
| 68      | 4.4   | 4.5   | 6.7#  |

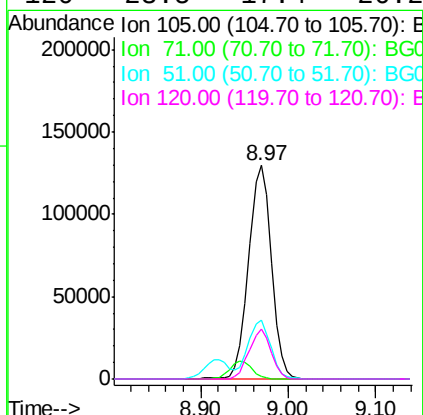
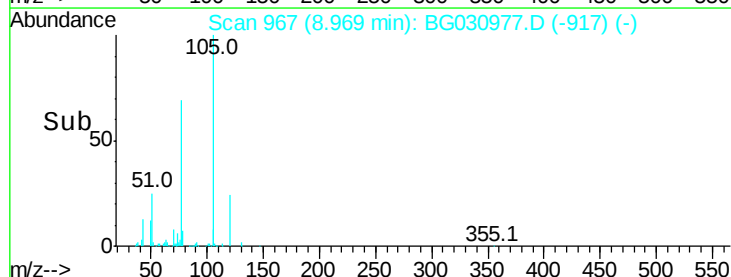
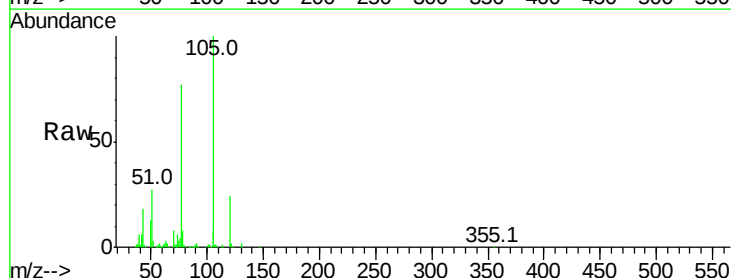
Manual Integrations  
APPROVED

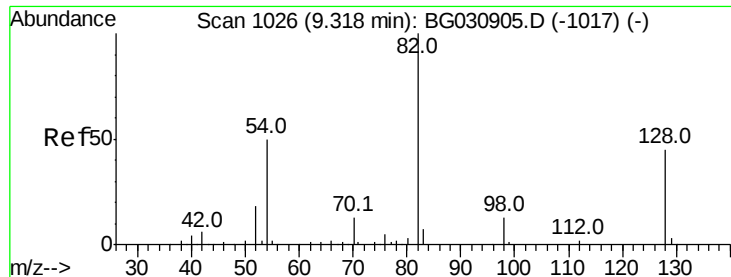
SOHIL  
11/14/2017 5:22:37 PM



#22  
Acetophenone  
Concen: 45.080 ng  
RT: 8.97 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 1.0   | 3.0   | 4.4#  |
| 51      | 27.4  | 26.1  | 39.1  |
| 120     | 23.5  | 17.4  | 26.2  |





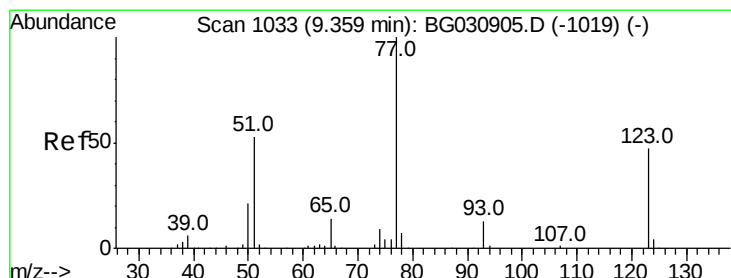
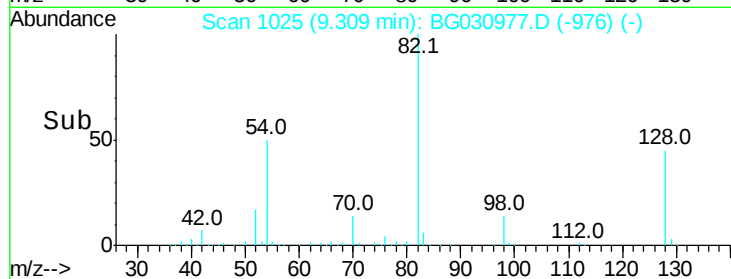
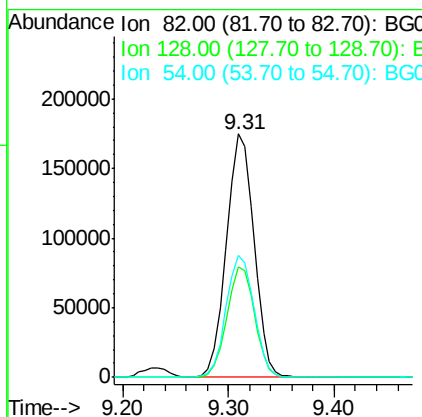
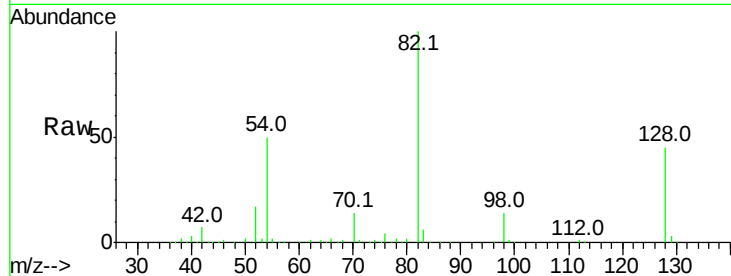
#23  
 Nitrobenzene-d5  
 Concen: 91.923 ng  
 RT: 9.31 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.5  | 29.7  | 44.5# |
| 54      | 49.9  | 43.1  | 64.7  |

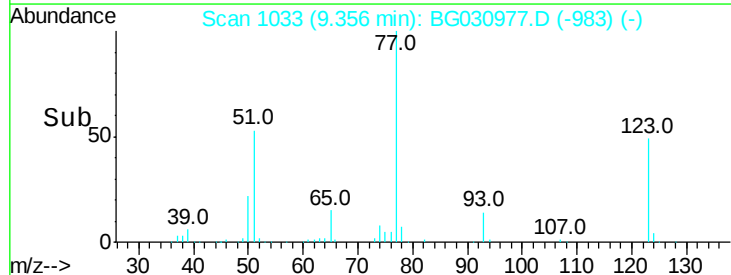
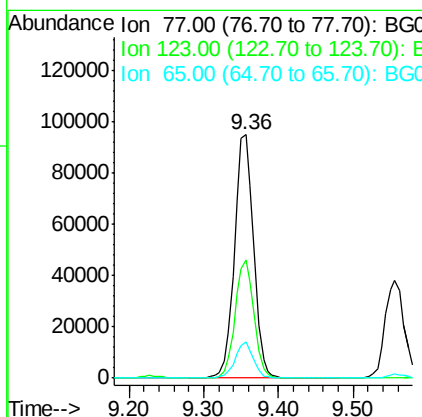
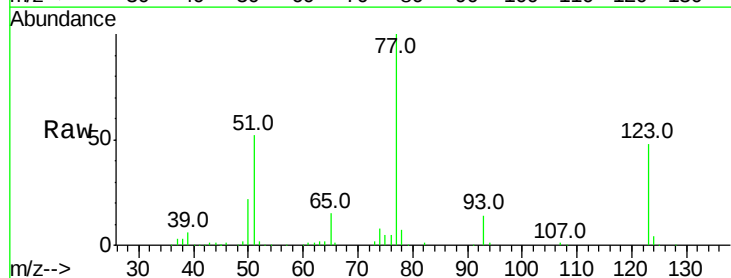
Manual Integrations  
 APPROVED

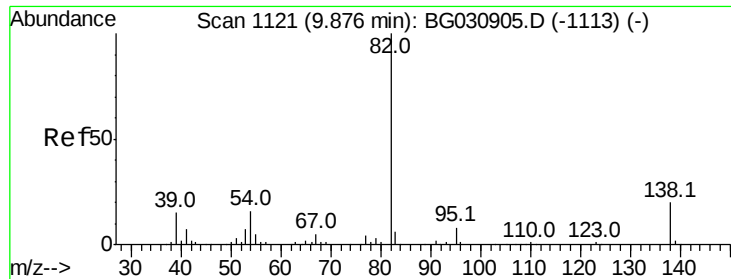
SOHIL  
 11/14/2017 5:22:37 PM



#24  
 Nitrobenzene  
 Concen: 48.041 ng  
 RT: 9.36 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.4  | 33.0  | 49.6  |
| 65      | 15.0  | 13.0  | 19.6  |





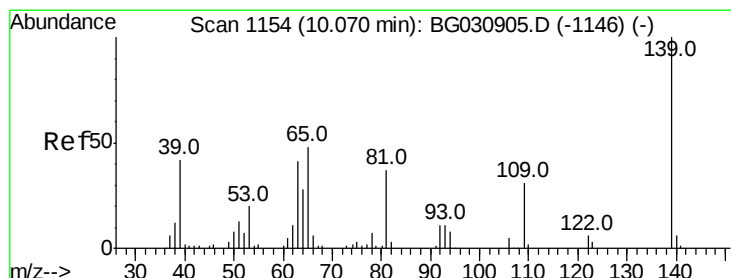
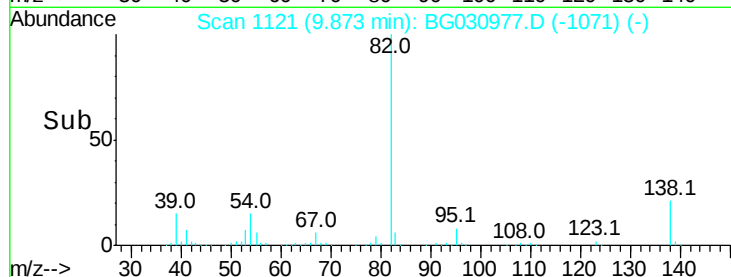
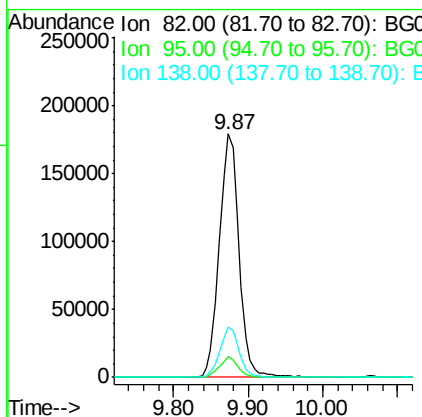
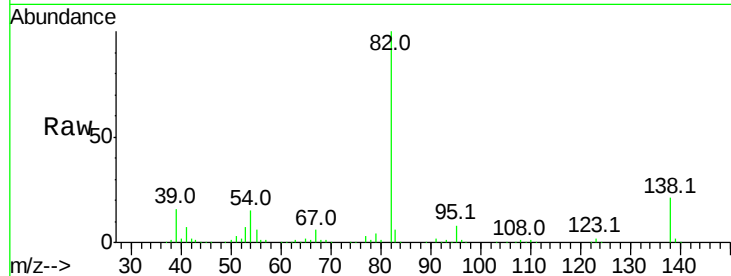
#25  
Isophorone  
Concen: 49.166 ng  
RT: 9.87 min Scan# 1121  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 8.4   | 6.2  | 9.2   |       |
| 138     | 20.8  | 12.1 | 18.1  |       |

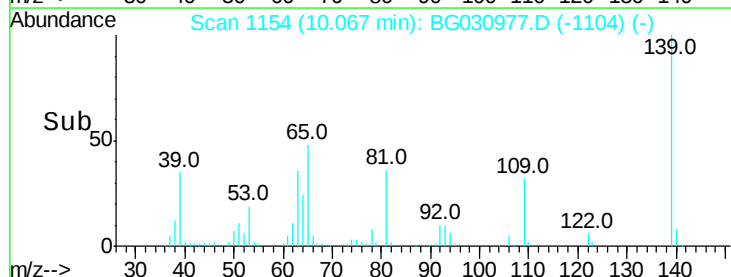
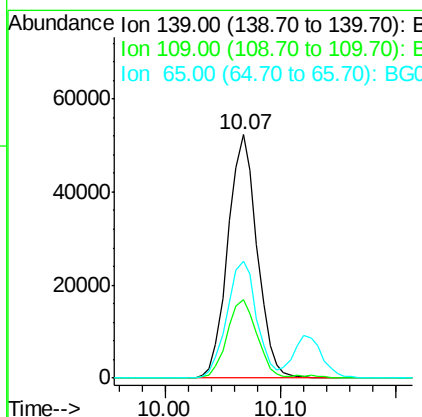
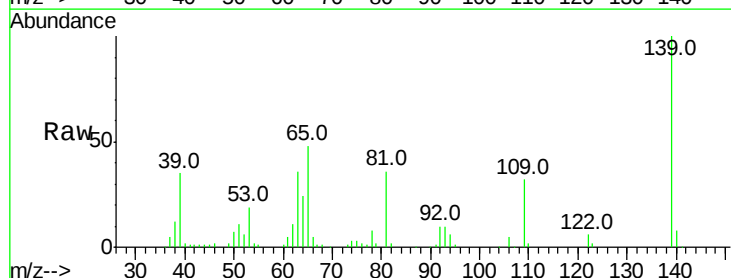
Manual Integrations  
APPROVED

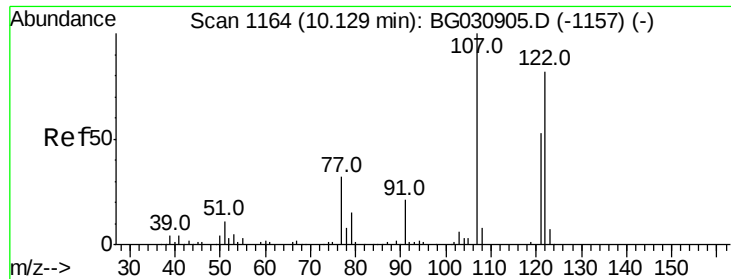
SOHIL  
11/14/2017 5:22:37 PM



#26  
2-Nitrophenol  
Concen: 50.188 ng  
RT: 10.07 min Scan# 1154  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 32.1  | 24.2 | 36.2  |       |
| 65      | 48.1  | 47.4 | 71.0  |       |





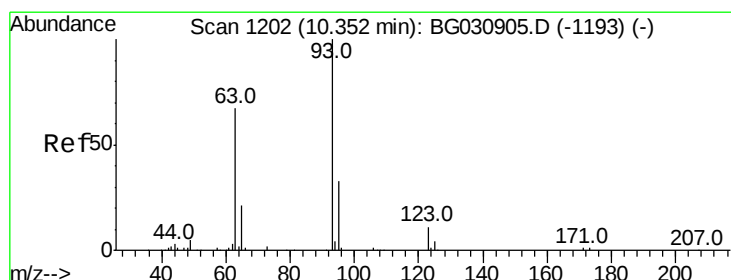
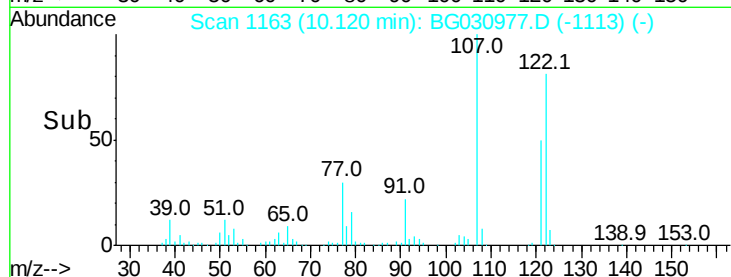
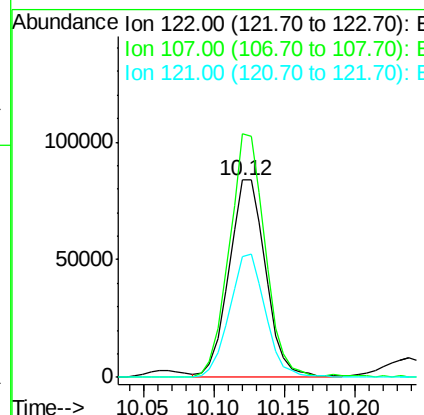
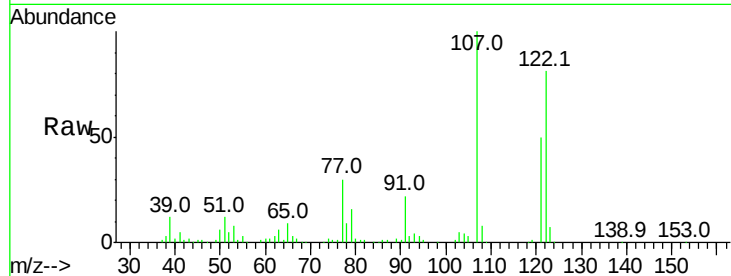
#27  
 2,4-Dimethylphenol  
 Concen: 55.456 ng  
 RT: 10.12 min Scan# 1163  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 123.6 | 100.2 | 150.2 |
| 121     | 61.4  | 44.4  | 66.6  |

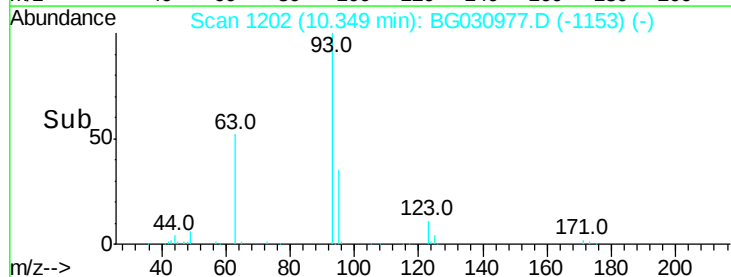
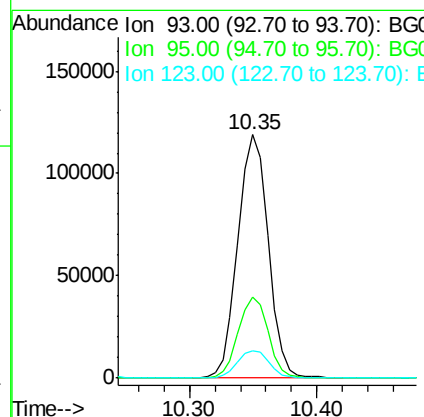
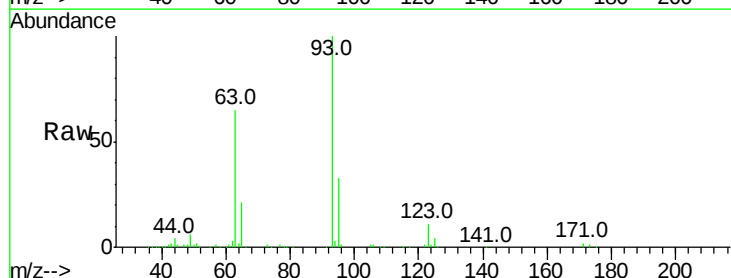
Manual Integrations  
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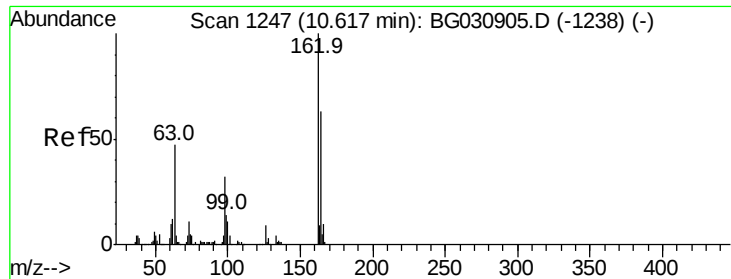
SOHIL  
 11/14/2017 5:22:37 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.883 ng  
 RT: 10.35 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.4  | 24.3  | 36.5  |
| 123     | 11.4  | 8.4   | 12.6  |





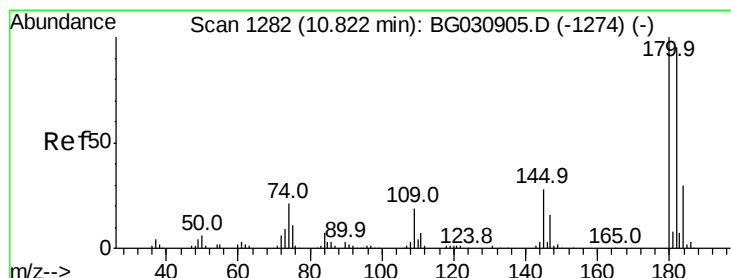
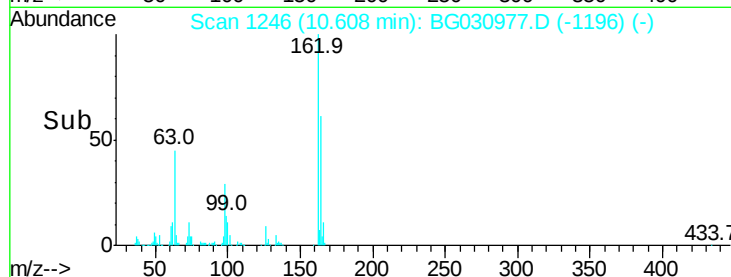
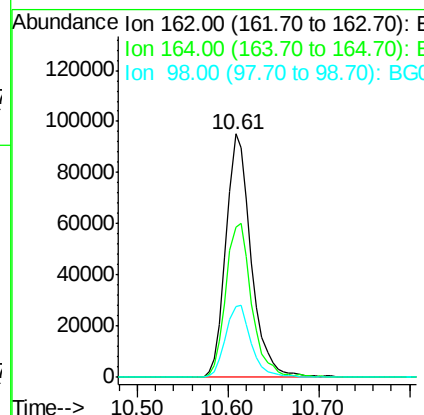
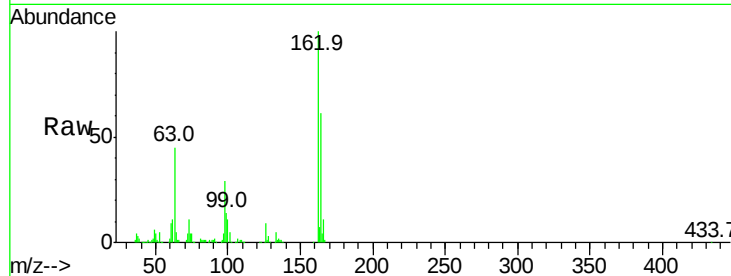
#29  
2,4-Dichlorophenol  
Concen: 56.268 ng  
RT: 10.61 min Scan# 1246  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 61.4  | 48.0       | 88.0       |
| 98      | 28.8  | 21.1       | 61.1       |

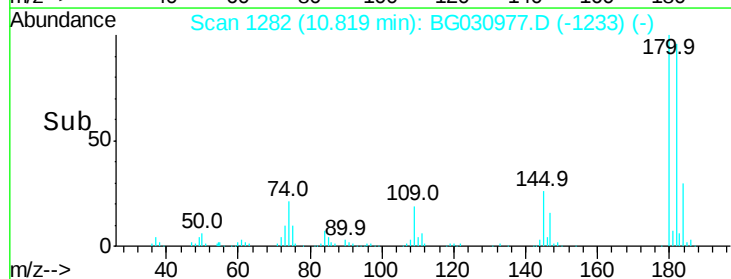
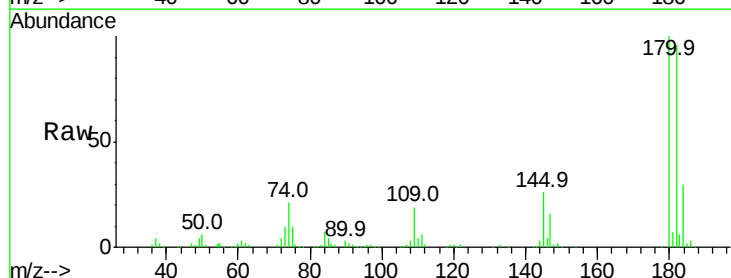
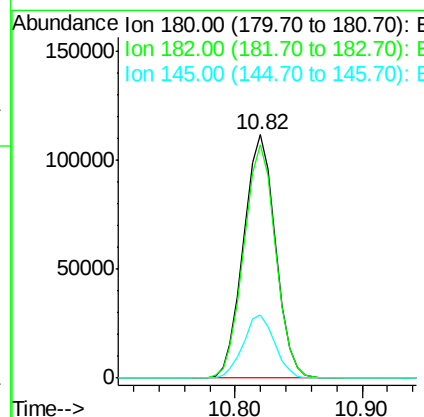
Manual Integrations  
APPROVED

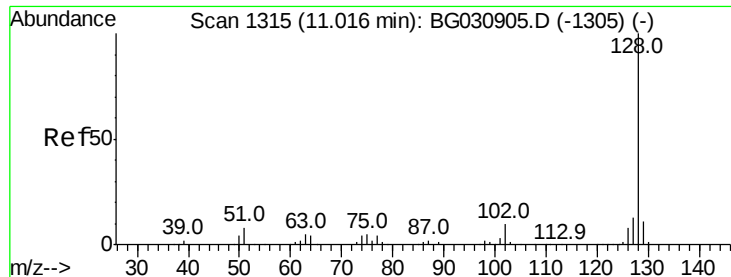
SOHIL  
11/14/2017 5:22:37 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 50.209 ng  
RT: 10.82 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.8  | 77.5       | 116.3      |
| 145     | 25.8  | 23.4       | 35.2       |





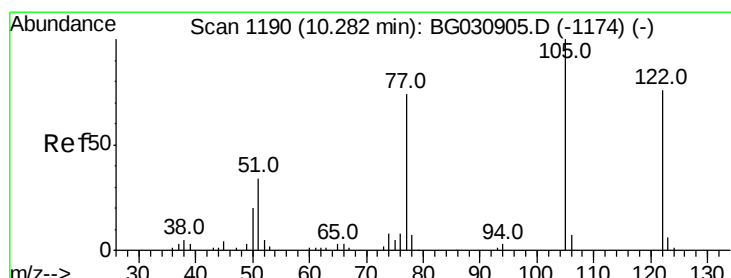
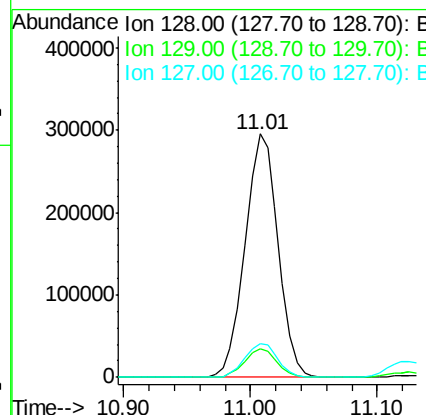
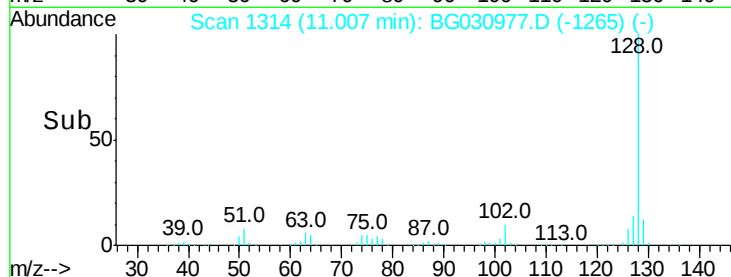
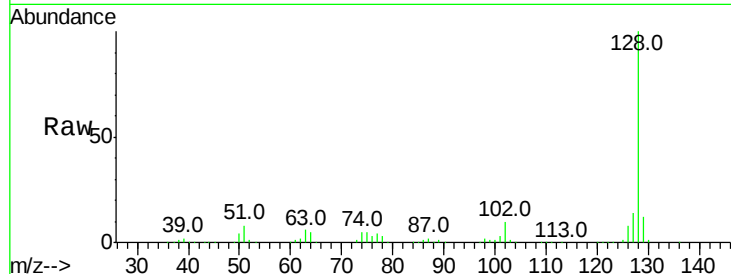
#31  
Naphthalene  
Concen: 53.078 ng  
RT: 11.01 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.6  | 8.6  | 12.8  |       |
| 127     | 13.9  | 11.6 | 17.4  |       |

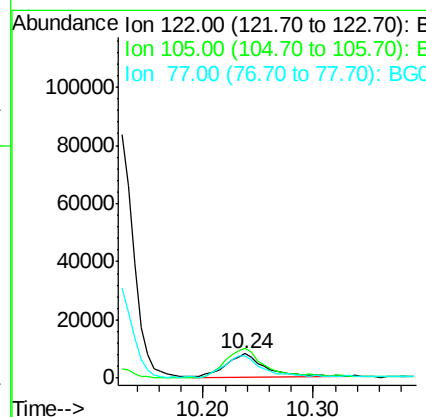
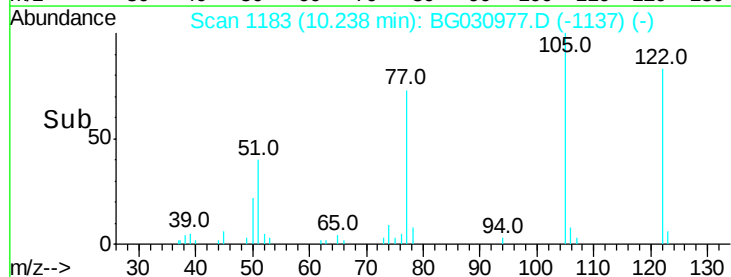
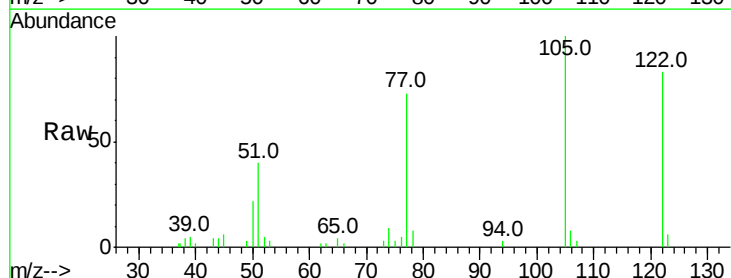
Manual Integrations  
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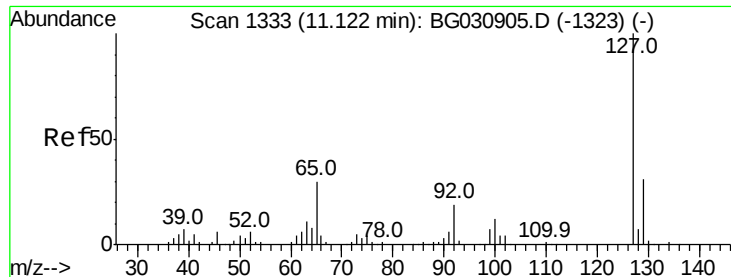
SOHIL  
11/14/2017 5:22:37 PM



#32  
Benzoic acid  
Concen: 13.321 ng  
RT: 10.24 min Scan# 1183  
Delta R.T. -0.03 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 122     | 100   |       |        |       |
| 105     | 119.8 | 123.5 | 163.5# |       |
| 77      | 88.0  | 85.7  | 125.7  |       |





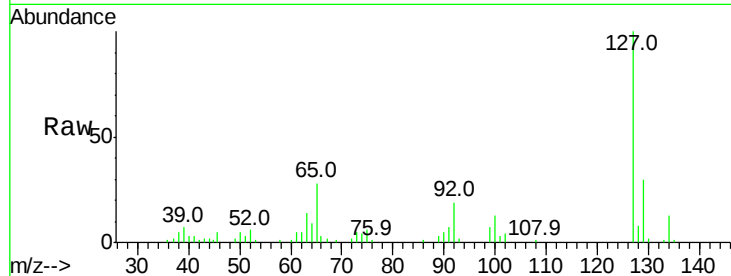
#33  
4-Chloroaniline  
Concen: 9.955 ng  
RT: 11.12 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

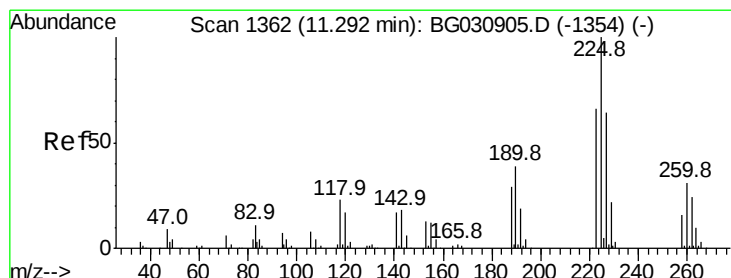
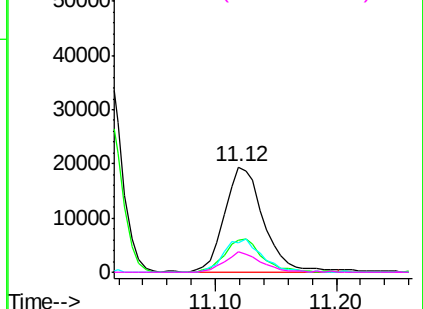
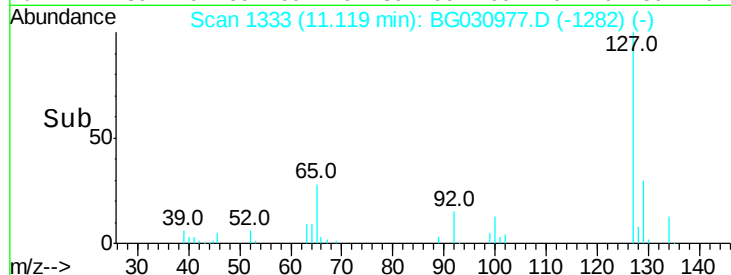
| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 43628 |       |       |
| 129     | 30.1 | 24.0  | 36.0  |       |       |
| 65      | 27.9 | 27.0  | 40.4  |       |       |
| 92      | 19.4 | 16.6  | 25.0  |       |       |

Manual Integrations  
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11/14/2017 5:22:37 PM

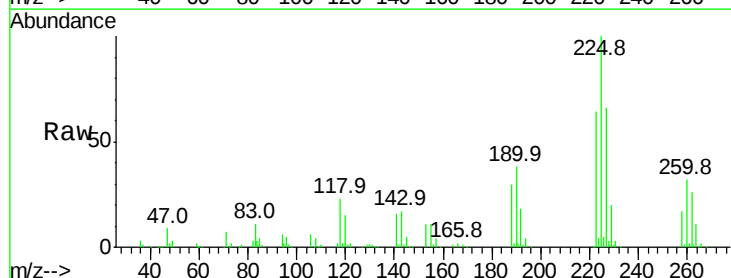


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

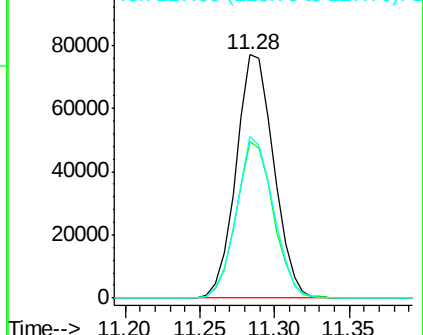
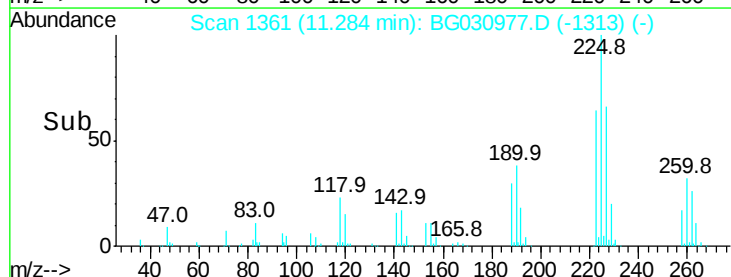


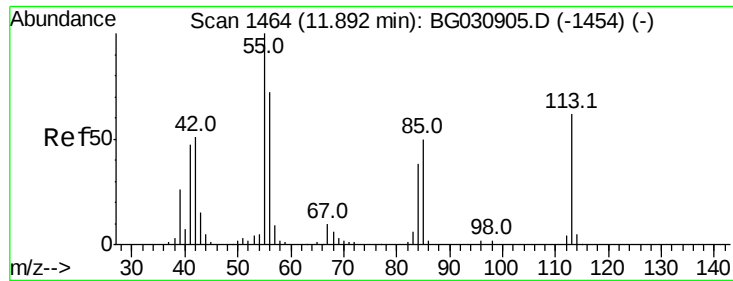
#34  
Hexachlorobutadiene  
Concen: 49.981 ng  
RT: 11.28 min Scan# 1361  
Delta R.T. -0.02 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 135001 |       |       |
| 223     | 64.2 | 49.7  | 74.5   |       |       |
| 227     | 66.3 | 48.1  | 72.1   |       |       |



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





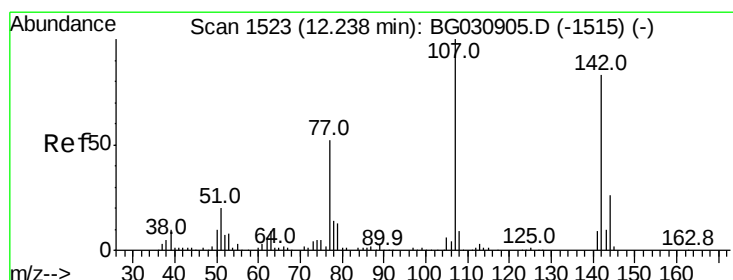
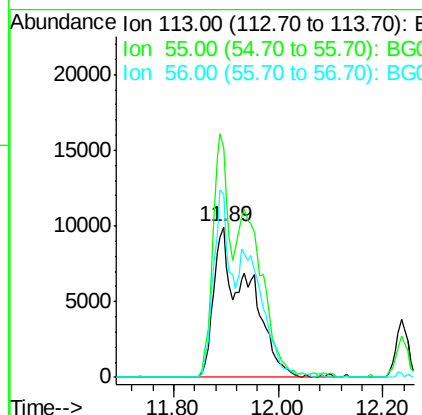
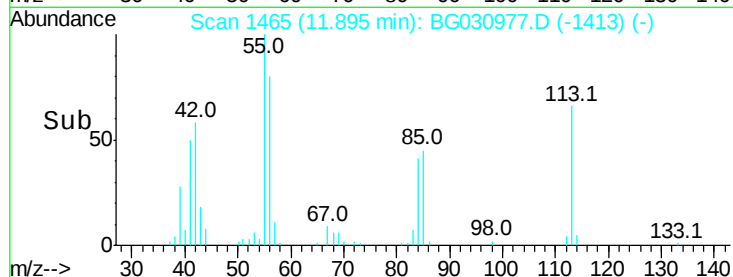
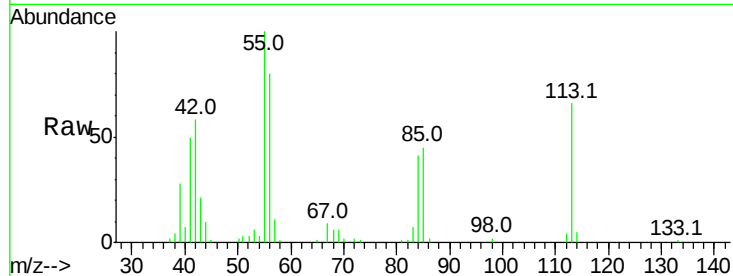
#35  
 Caprolactam  
 Concen: 34.006 ng/ml  
 RT: 11.89 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

Tot Ion: 113 Resp: 45317  
 Ion Ratio Lower Upper  
 113 100  
 55 152.4 186.9 226.9#  
 56 122.1 130.9 170.9#

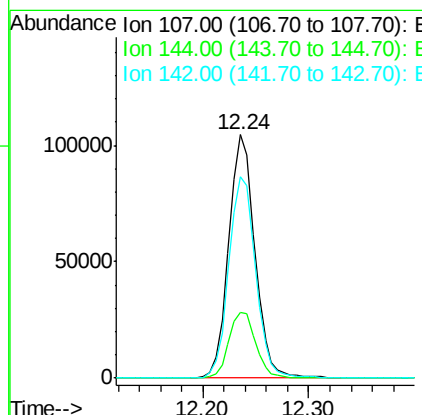
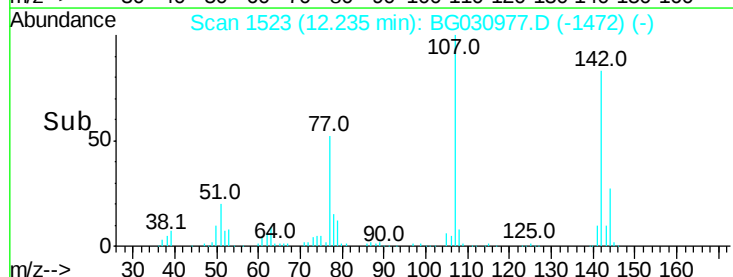
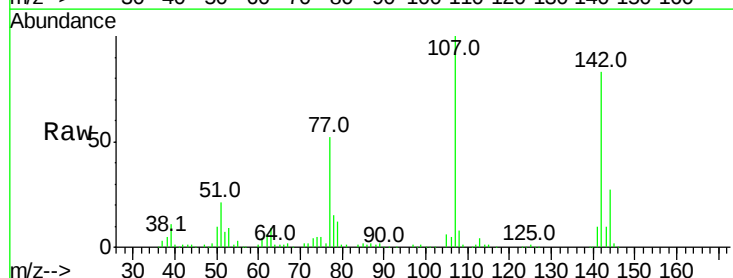
Manual Integrations  
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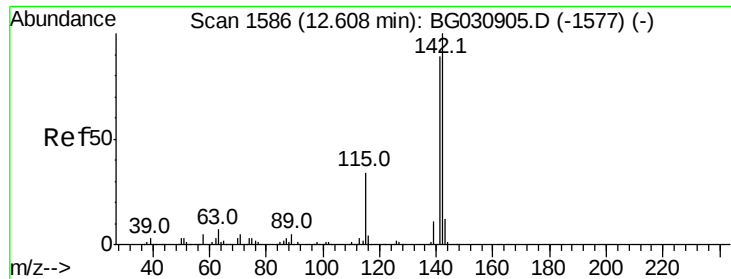
SOHIL  
 11/14/2017 5:22:37 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 50.412 ng  
 RT: 12.24 min Scan# 1523  
 Delta R.T. -0.00 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Tgt Ion: 107 Resp: 178986  
 Ion Ratio Lower Upper  
 107 100  
 144 26.7 18.2 27.4  
 142 82.6 59.0 88.4





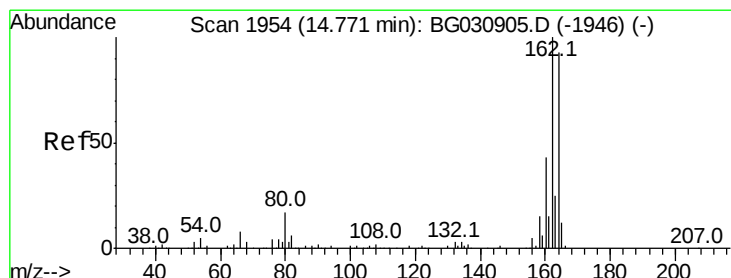
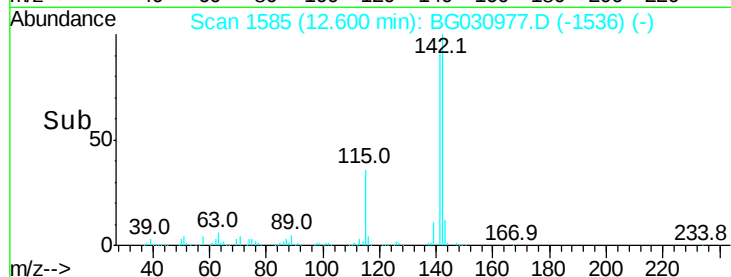
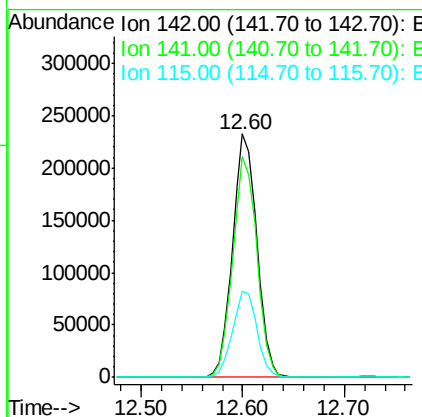
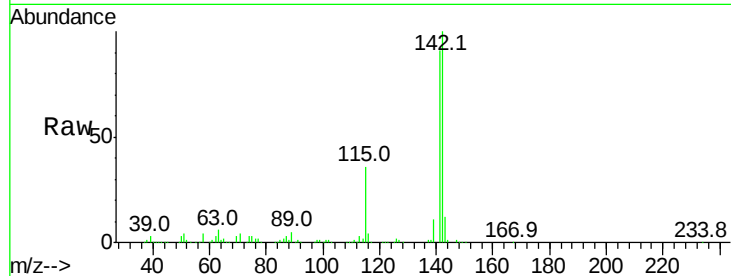
#37  
2-Methylnaphthalene  
Concen: 49.912 ng  
RT: 12.60 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 67.1  | 100.7 |
| 115     | 35.6  | 30.7  | 46.1  |

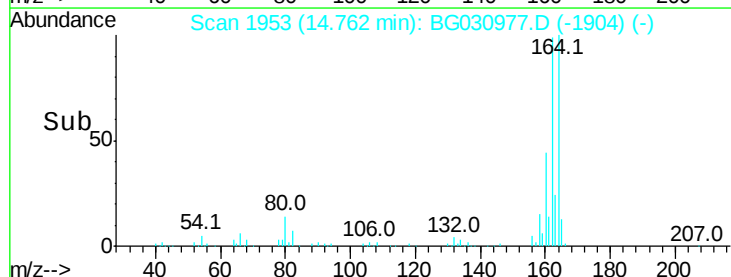
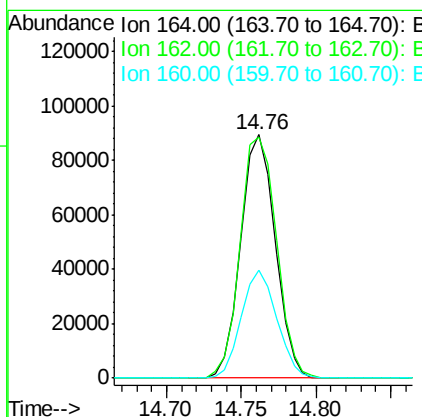
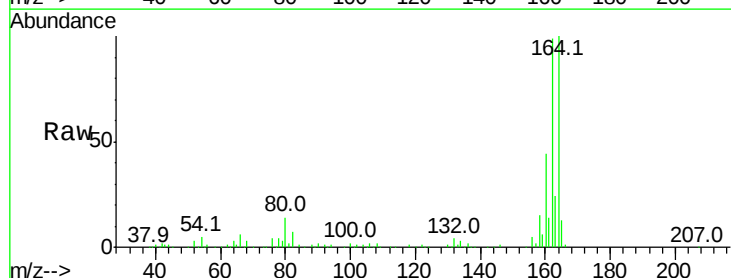
Manual Integrations  
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11/14/2017 5:22:37 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.76 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.2  | 78.8  | 118.2 |
| 160     | 44.2  | 35.4  | 53.0  |





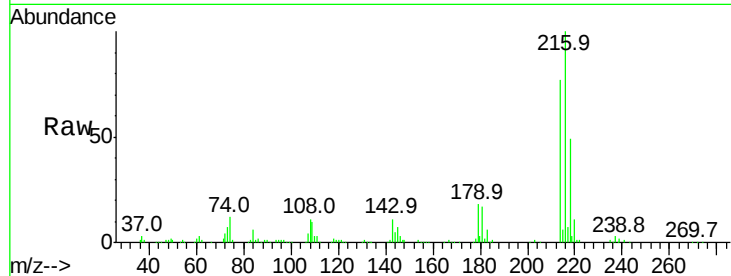
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 45.168 ng  
 RT: 12.97 min Scan# 1648  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

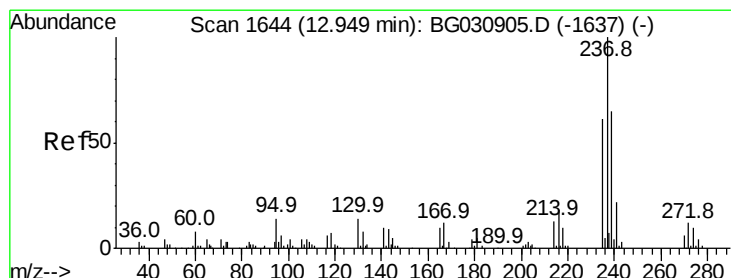
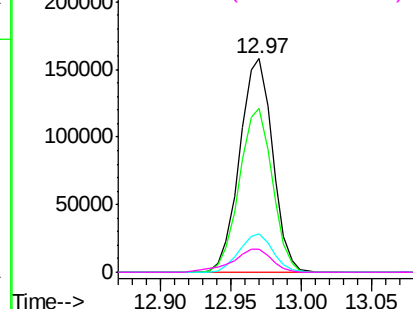
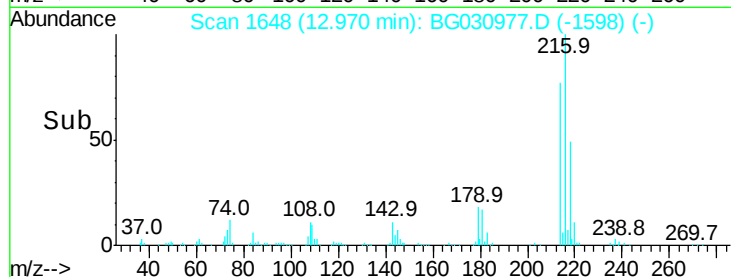
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 257323 |       |       |
| 214     | 76.8  | 63.0   | 94.4  |       |
| 179     | 18.2  | 17.0   | 25.6  |       |
| 108     | 12.9  | 12.8   | 19.2  |       |

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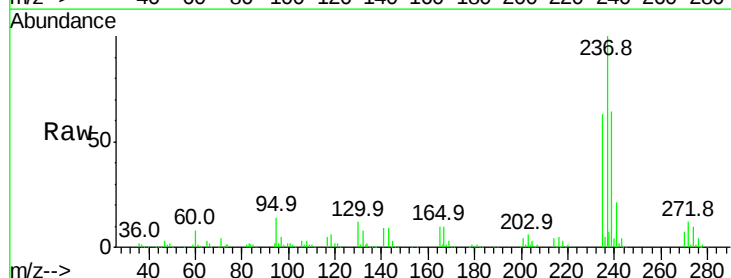


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

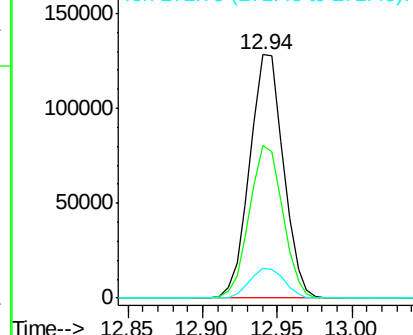
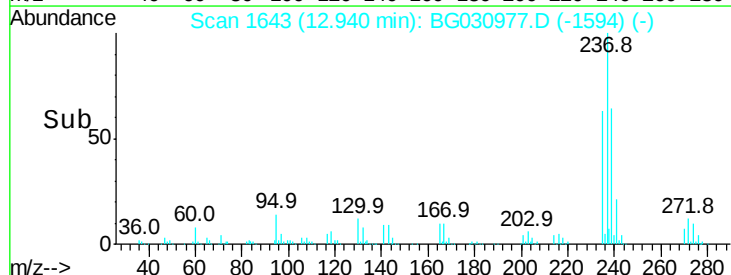


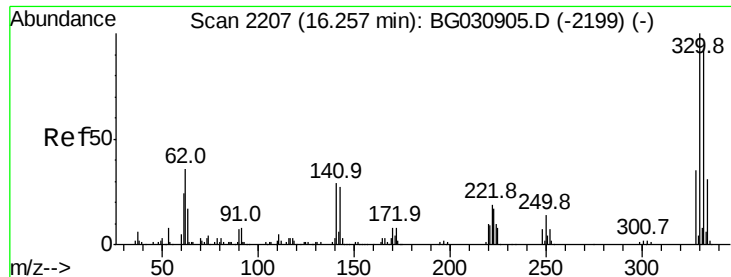
#40  
 Hexachlorocyclopentadiene  
 Concen: 92.838 ng  
 RT: 12.94 min Scan# 1643  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 199768 |       |       |
| 235     | 62.9  | 50.4   | 90.4  |       |
| 272     | 12.5  | 0.0    | 31.8  |       |



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





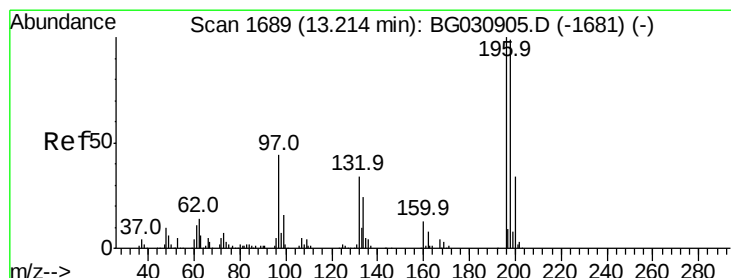
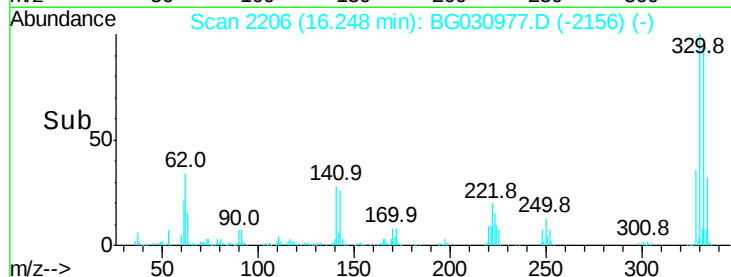
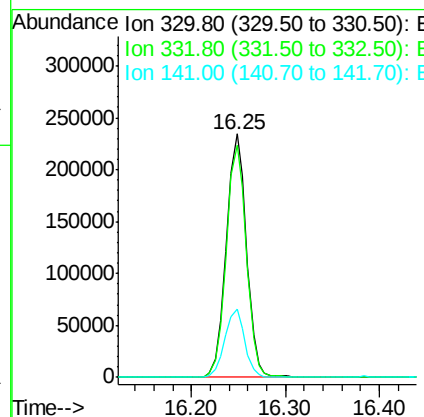
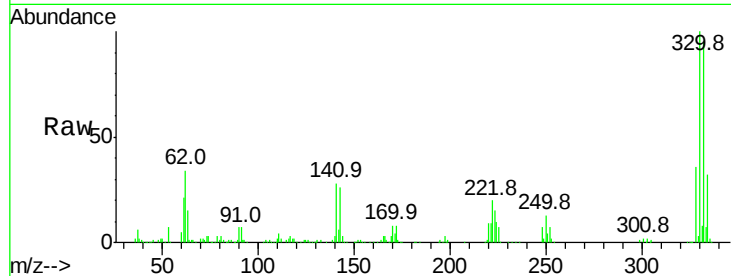
#41  
 2,4,6-Tribromophenol  
 Concen: 151.545 ng  
 RT: 16.25 min Scan# 2206  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.0  | 77.0 | 115.6 |       |
| 141     | 27.7  | 25.2 | 37.8  |       |

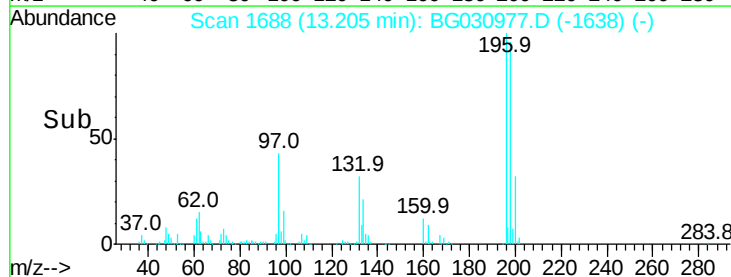
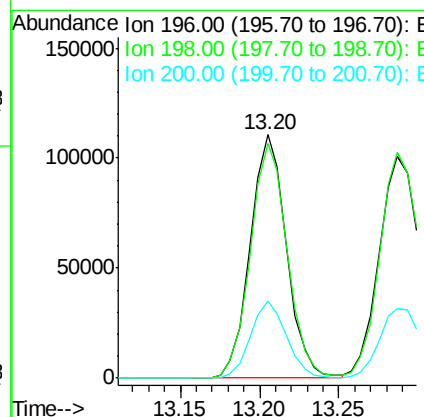
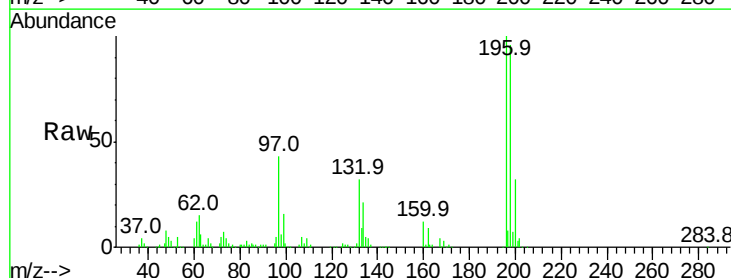
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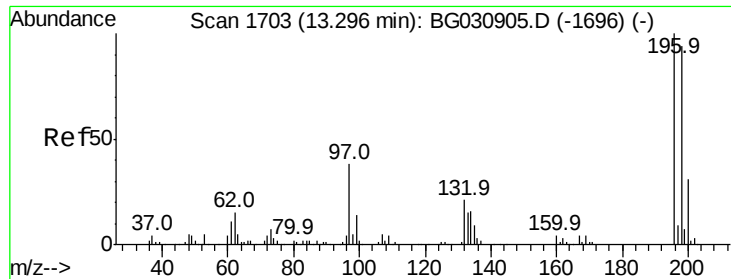
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#42  
 2,4,6-Trichlorophenol  
 Concen: 53.878 ng  
 RT: 13.20 min Scan# 1688  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 96.3  | 78.2 | 117.2 |       |
| 200     | 31.6  | 24.6 | 36.8  |       |





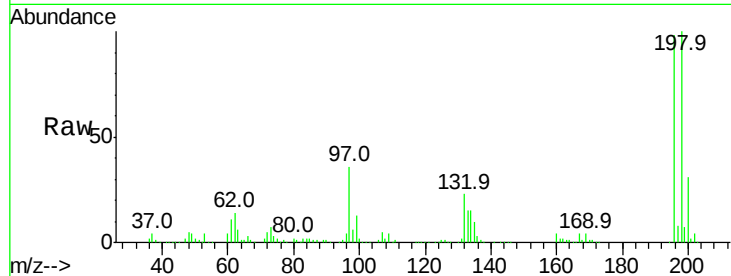
#43  
 2,4,5-Trichlorophenol  
 Concen: 51.789 ng  
 RT: 13.29 min Scan# 1702  
 Delta R.T. -0.00 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

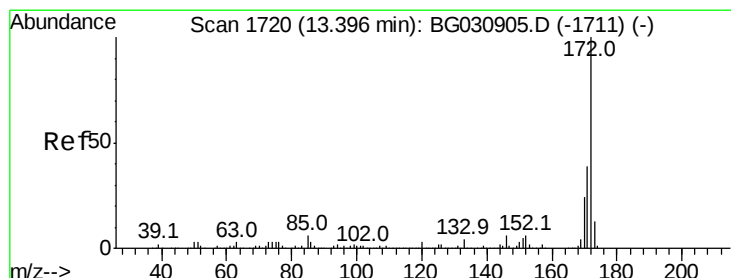
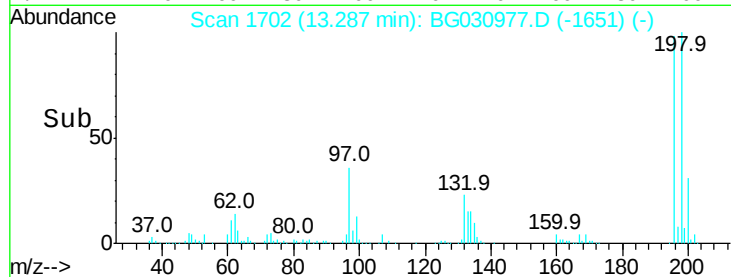
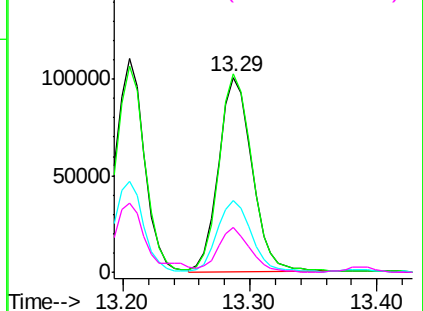
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 184541 |       |       |
| 198     | 101.7 | 76.2   | 114.4 |       |
| 97      | 36.7  | 38.7   | 58.1  | #     |
| 132     | 23.0  | 20.2   | 30.2  |       |

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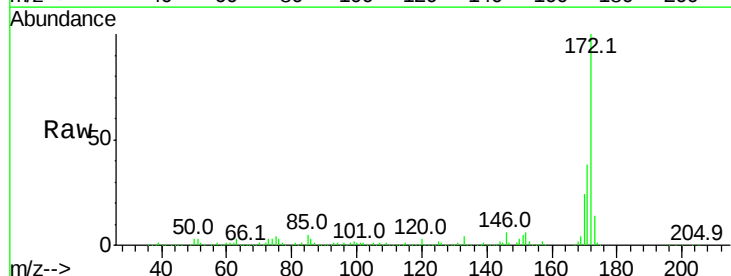


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BGC  
 Ion 132.00 (131.70 to 132.70): E

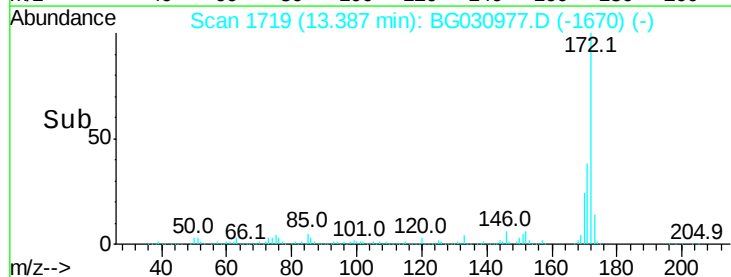
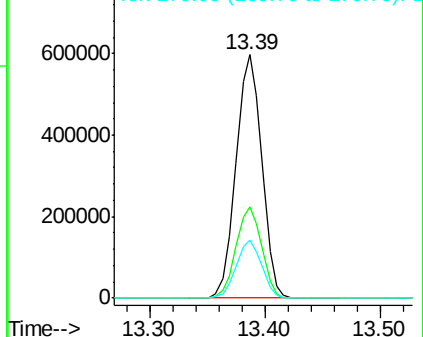


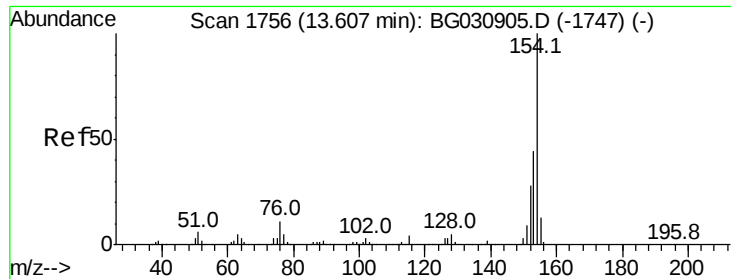
#44  
 2-Fluorobiphenyl  
 Concen: 92.048 ng  
 RT: 13.39 min Scan# 1719  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 919530 |       |       |
| 171     | 37.7  | 30.0   | 45.0  |       |
| 170     | 24.1  | 19.5   | 29.3  |       |



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: 44.171 ng

RT: 13.60 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

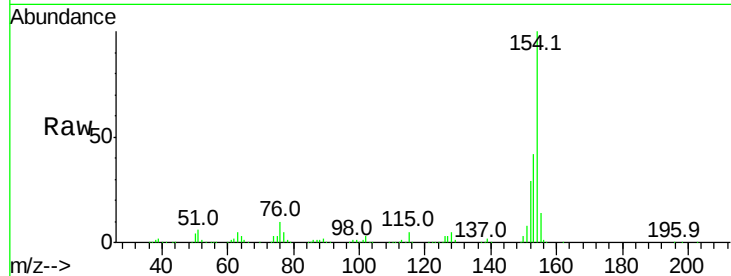
ClientSampleId :

JC-02-110917-AMSD

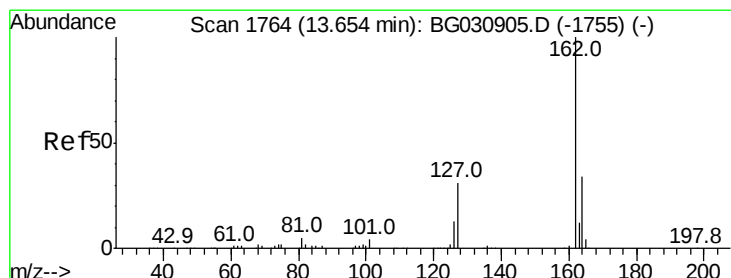
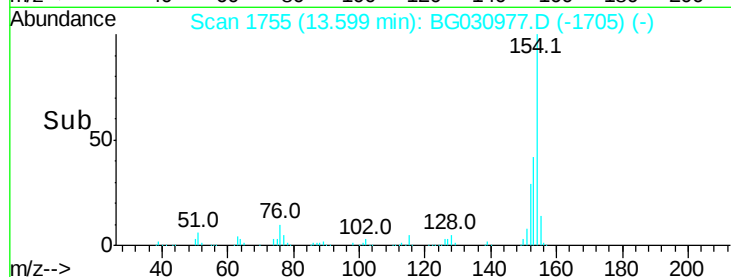
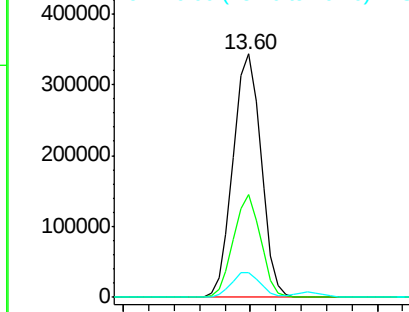
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 525753 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 42.4  | 19.8  | 59.8   |
| 76        | 10.2  | 0.0   | 31.9   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 48.752 ng

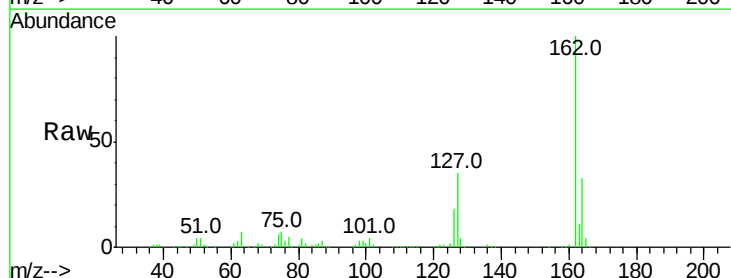
RT: 13.65 min Scan# 1763

Delta R.T. -0.01 min

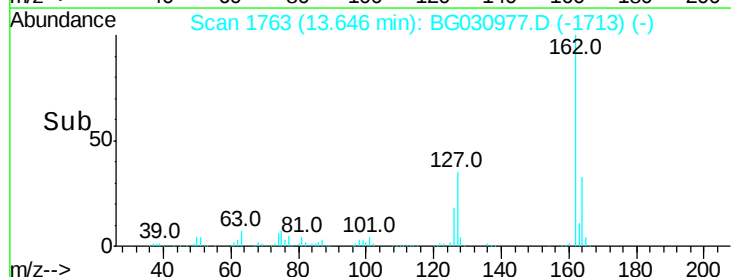
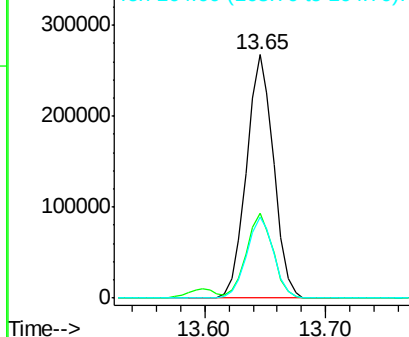
Lab File: BG030977.D

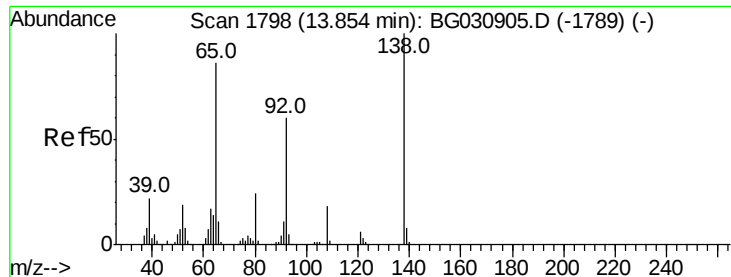
Acq: 13 Nov 2017 17:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 418677 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 35.1  | 30.7  | 46.1   |
| 164       | 33.4  | 26.0  | 39.0   |



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





#47

2-Nitroaniline

Concen: 47.290 ng

RT: 13.85 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

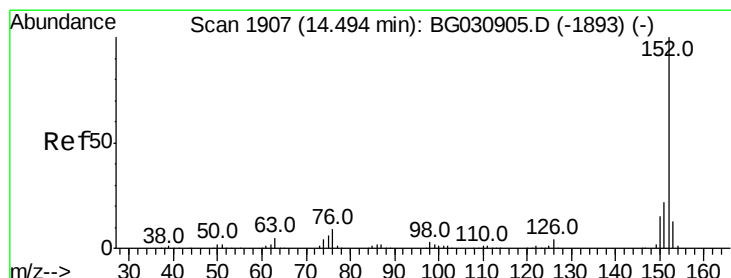
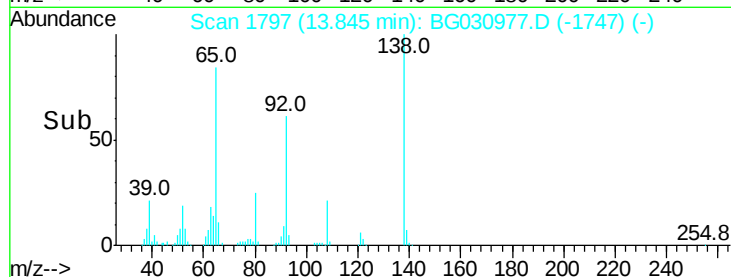
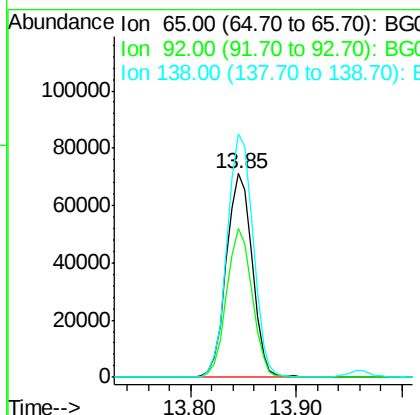
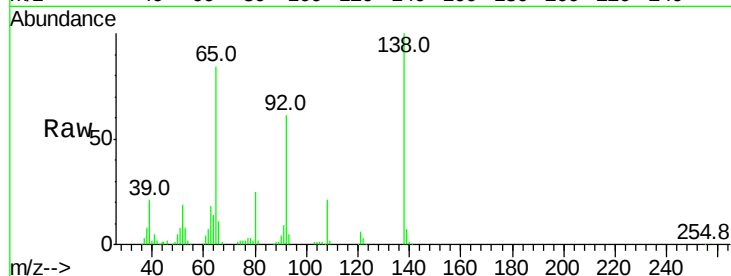
ClientSampleId :

JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.2  | 54.6  | 82.0  |
| 138     | 119.6 | 72.9  | 109.3 |

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#48

Acenaphthylene

Concen: 45.474 ng

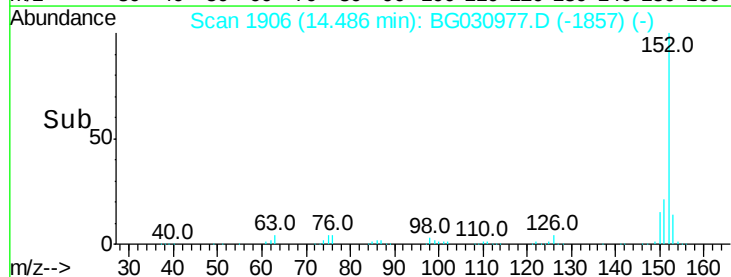
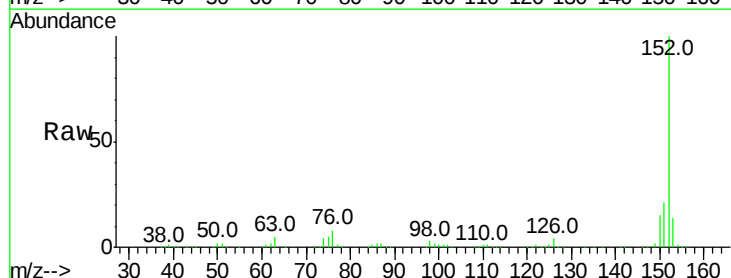
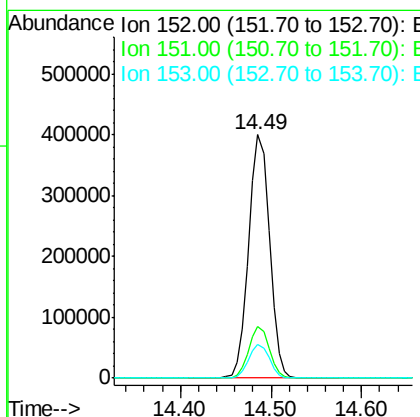
RT: 14.49 min Scan# 1906

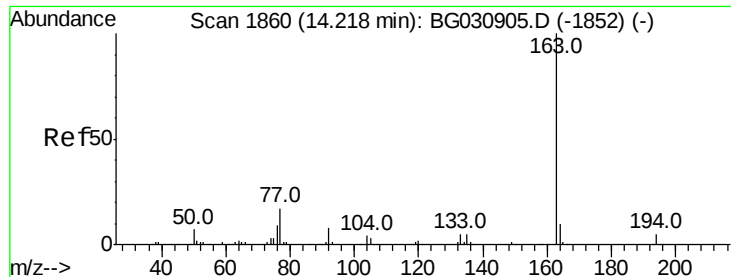
Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.3  | 17.2  | 25.8  |
| 153     | 13.9  | 10.2  | 15.4  |





#49

Dimethylphthalate

Concen: 47.355 ng

RT: 14.21 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

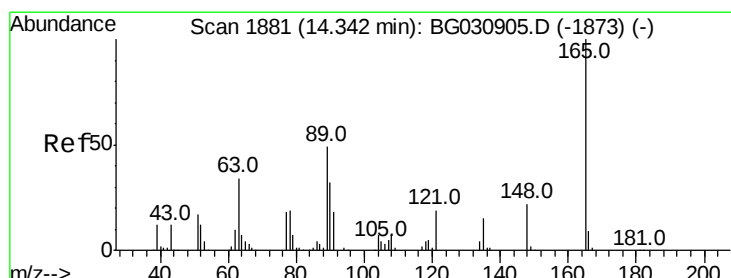
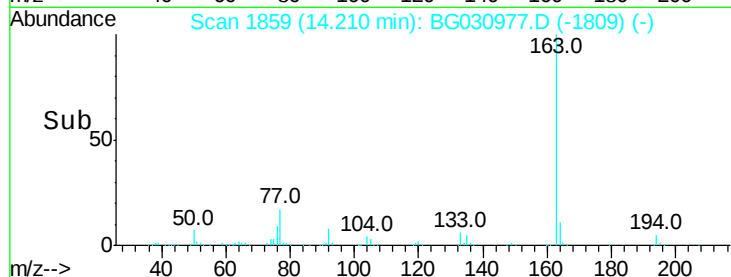
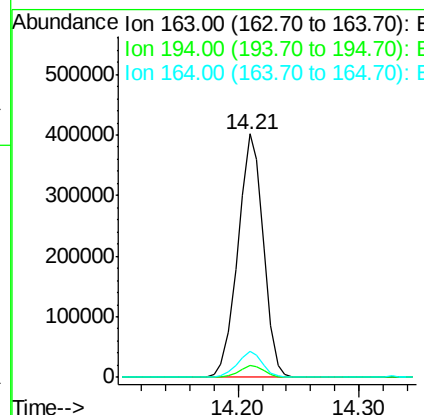
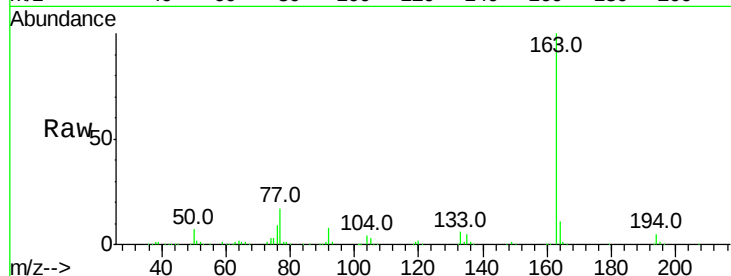
ClientSampleId :

JC-02-110917-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 587727 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.9   | 3.4   | 5.2    |
| 164       | 10.6  | 8.2   | 12.4   |

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#50

2,6-Dinitrotoluene

Concen: 51.875 ng

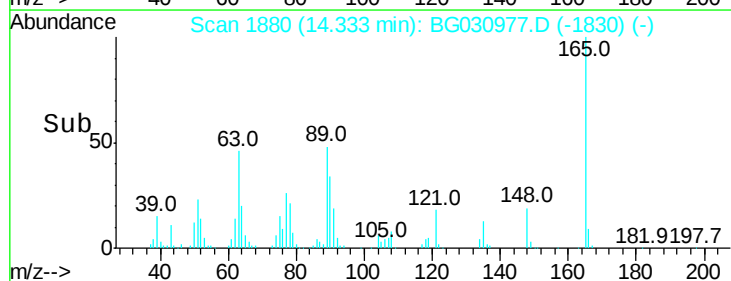
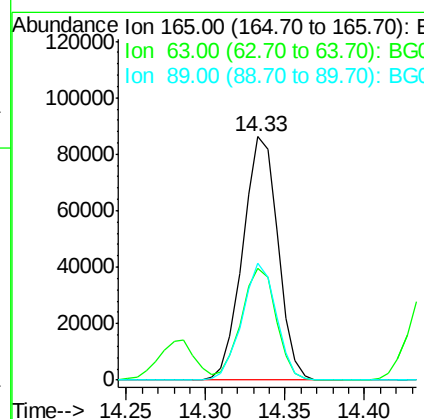
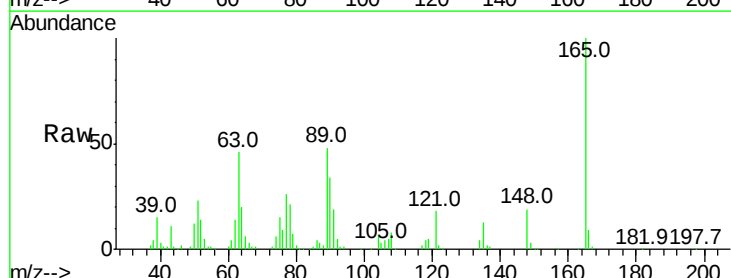
RT: 14.33 min Scan# 1880

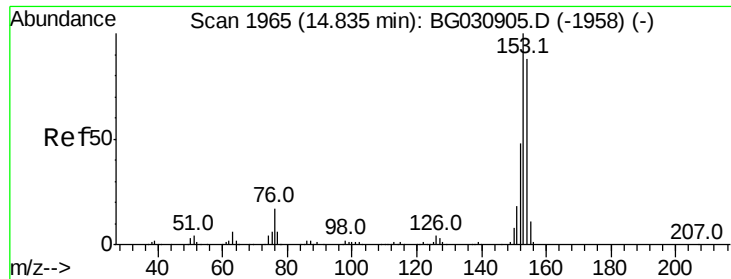
Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 132701 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 46.1  | 52.7  | 79.1#  |
| 89        | 48.2  | 49.2  | 73.8#  |





#51

Acenaphthene

Concen: 46.338 ng

RT: 14.83 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

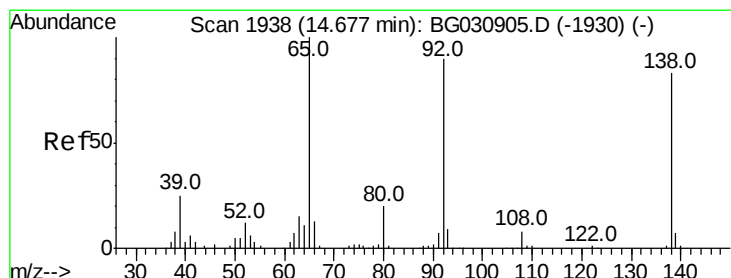
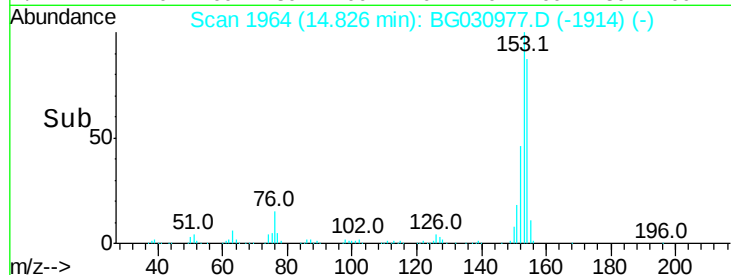
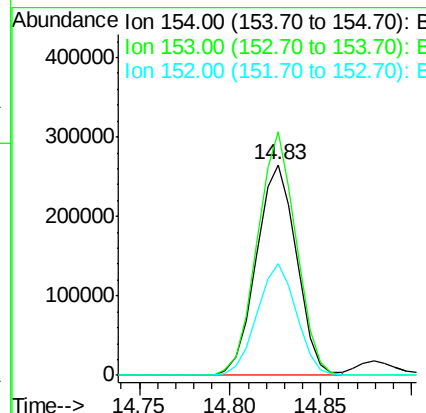
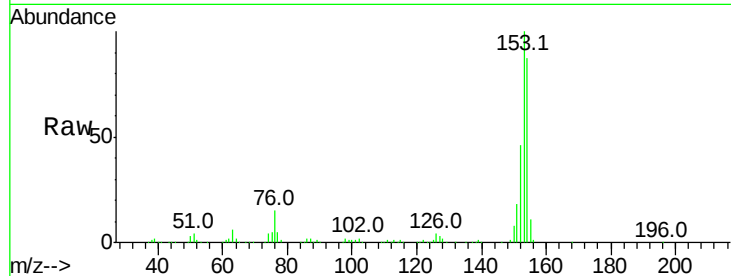
ClientSampleId :

JC-02-110917-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 406778 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.5 | 90.4  | 135.6  |
| 152       | 53.2  | 41.6  | 62.4   |

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#52

3-Nitroaniline

Concen: 27.495 ng

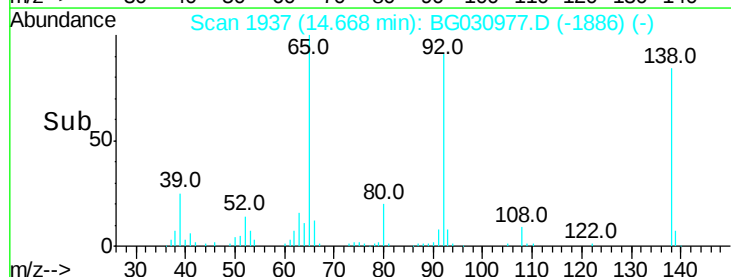
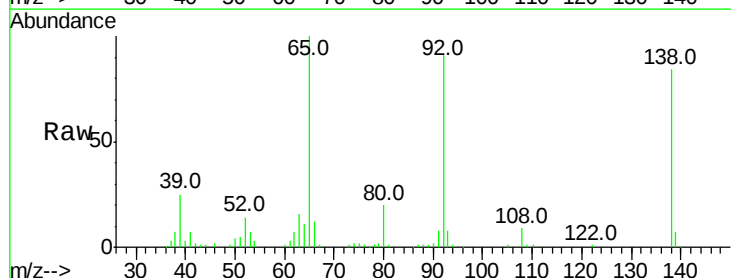
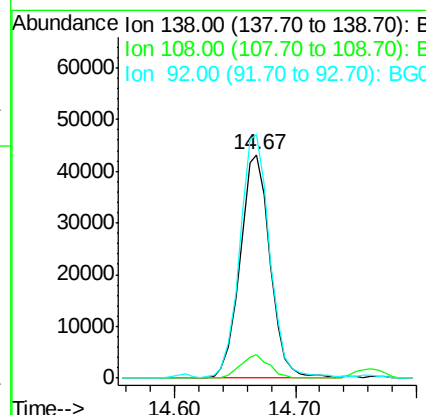
RT: 14.67 min Scan# 1937

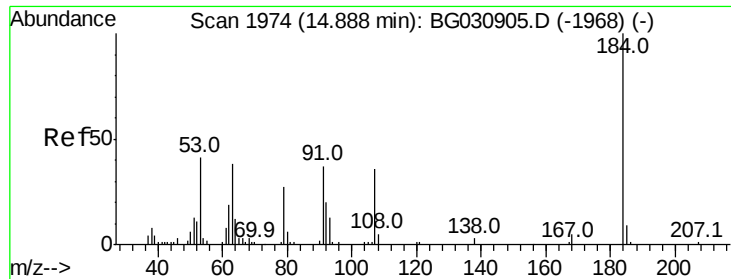
Delta R.T. -0.00 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 74683 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.7  | 17.5  | 26.3# |
| 92        | 108.9 | 105.8 | 158.8 |





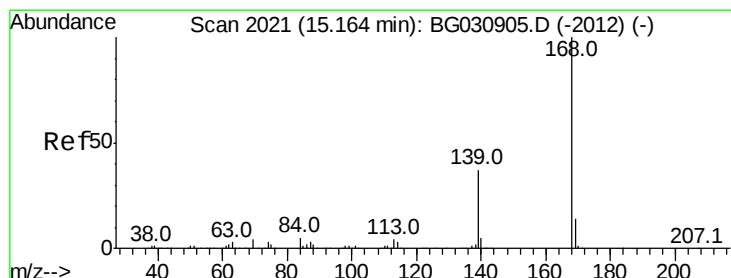
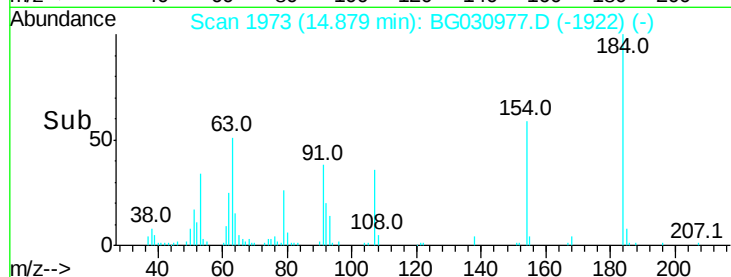
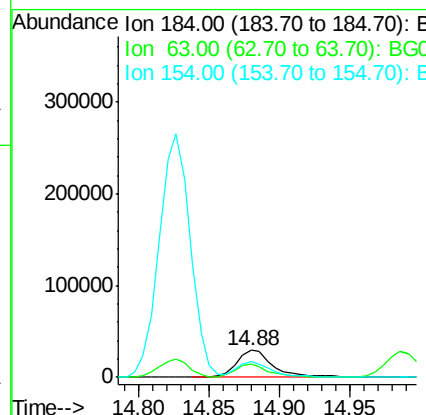
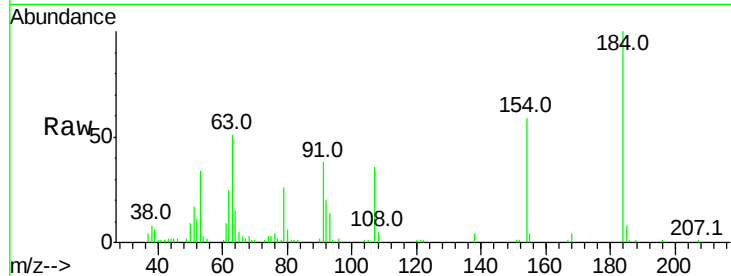
#53  
2,4-Dinitrophenol  
Concen: 40.475 ng  
RT: 14.88 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 50.7  | 59.8  | 89.8#  |
| 154     | 59.0  | 101.8 | 152.8# |

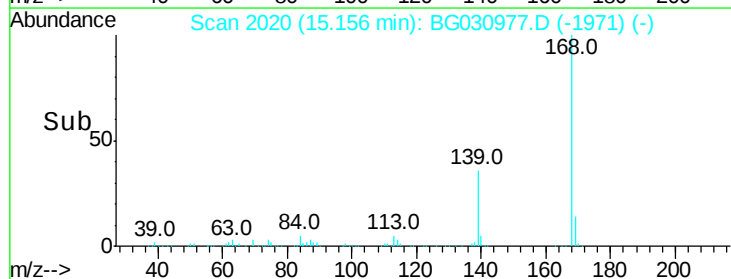
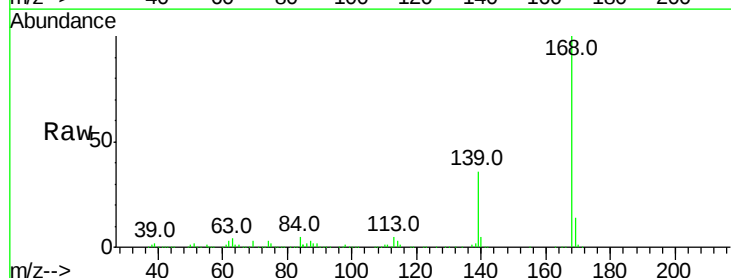
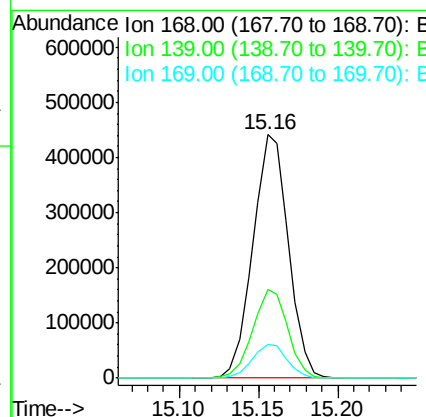
Manual Integrations  
APPROVED

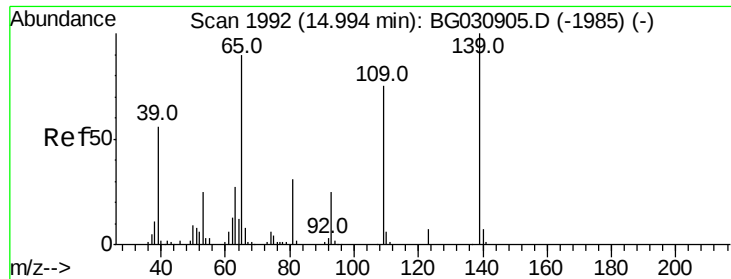
SOHIL  
11/14/2017 5:22:37 PM



#54  
Dibenzofuran  
Concen: 48.992 ng  
RT: 15.16 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.4  | 28.6  | 43.0  |
| 169     | 13.9  | 11.2  | 16.8  |





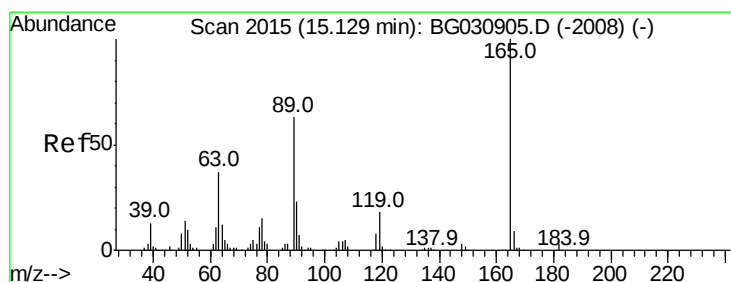
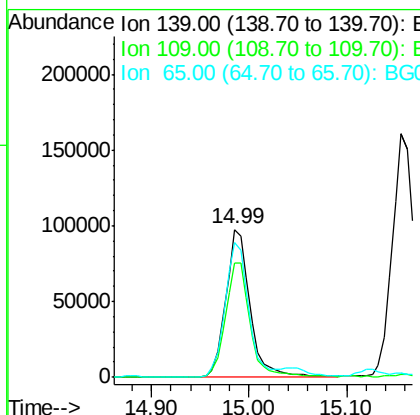
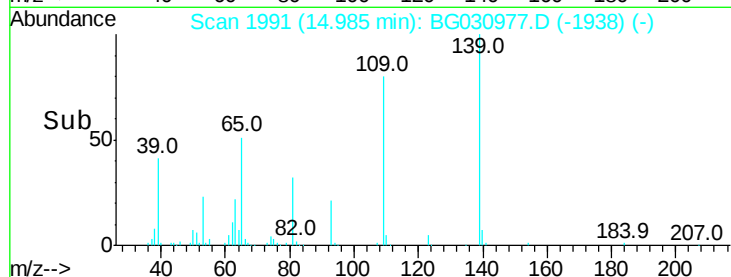
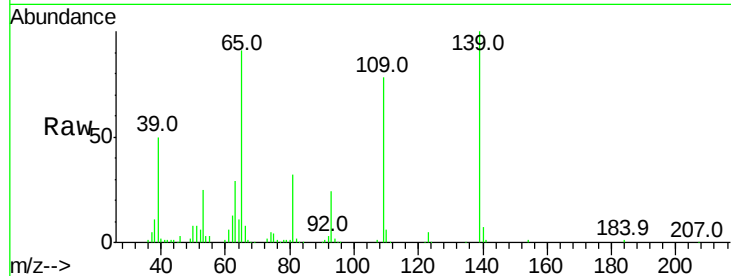
#55  
4-Nitrophenol  
Concen: 87.585 ng  
RT: 14.99 min Scan# 1991  
Delta R.T. 0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 77.5  | 62.2  | 102.2  |
| 65      | 91.2  | 97.2  | 137.2# |

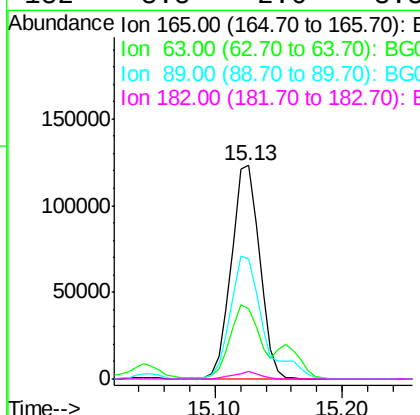
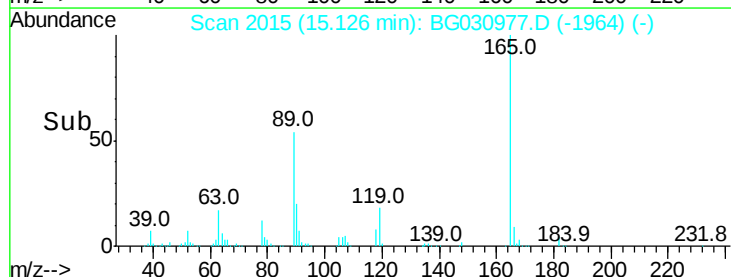
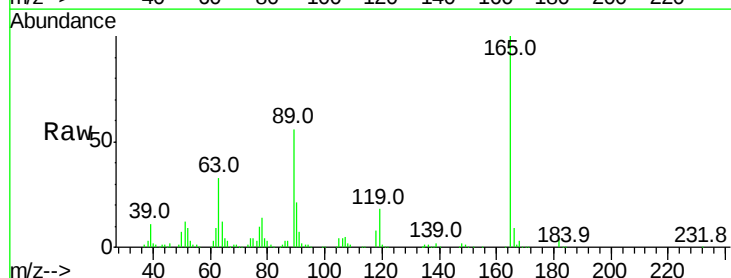
Manual Integrations  
APPROVED

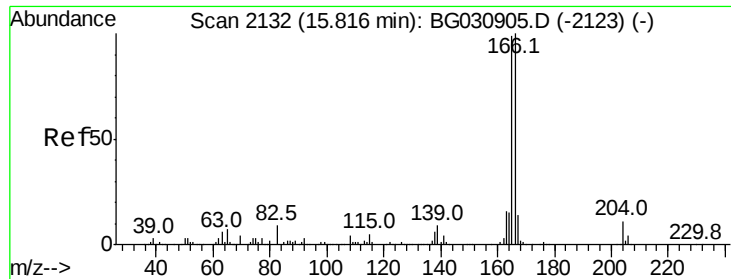
SOHIL  
11/14/2017 5:22:37 PM



#56  
2,4-Dinitrotoluene  
Concen: 51.217 ng  
RT: 15.13 min Scan# 2015  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 33.2  | 42.0  | 63.0#  |
| 89      | 56.4  | 66.9  | 100.3# |
| 182     | 3.5   | 2.6   | 3.8    |





#57

Fluorene

Concen: 47.582 ng

RT: 15.81 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

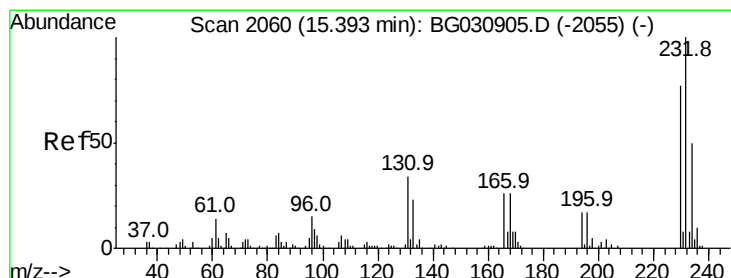
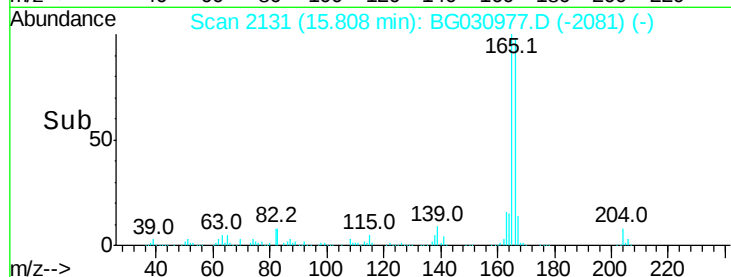
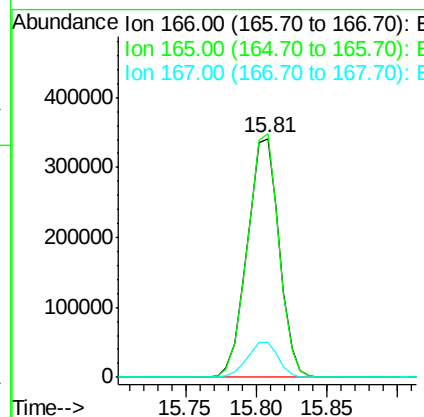
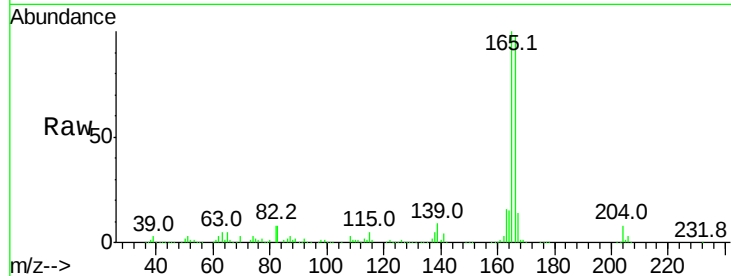
ClientSampleId :

JC-02-110917-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 540155 |       |       |
| 165     | 101.9 | 80.6   | 121.0 |       |
| 167     | 14.6  | 10.4   | 15.6  |       |

Manual Integrations  
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11/14/2017 5:22:37 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 57.065 ng

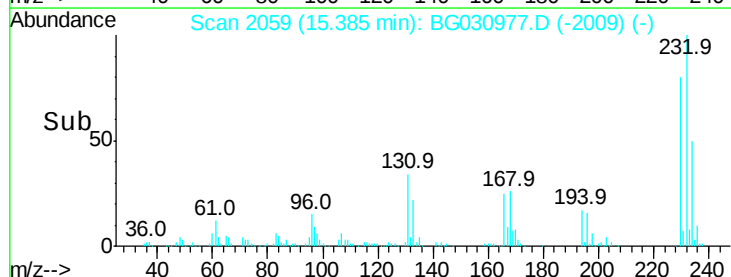
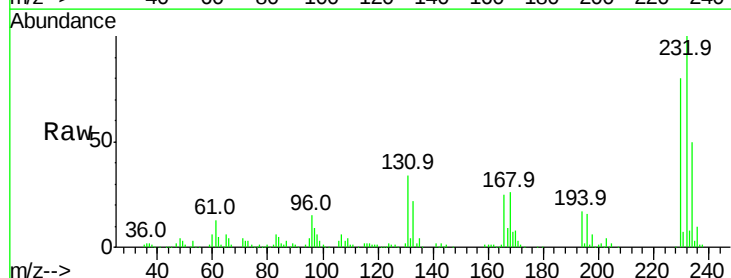
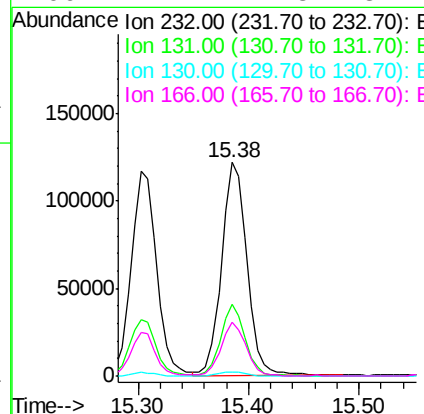
RT: 15.38 min Scan# 2059

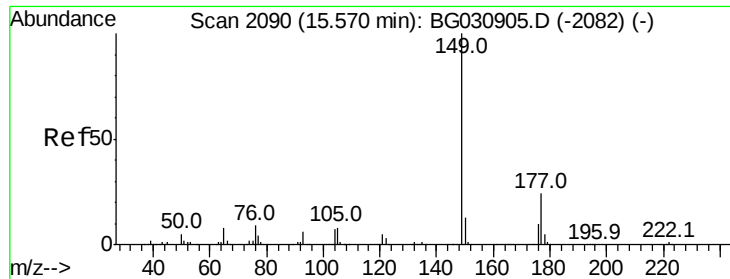
Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 193800 |       |       |
| 131     | 32.5  | 33.5   | 50.3# |       |
| 130     | 1.9   | 2.2    | 3.2#  |       |
| 166     | 24.7  | 24.8   | 37.2# |       |





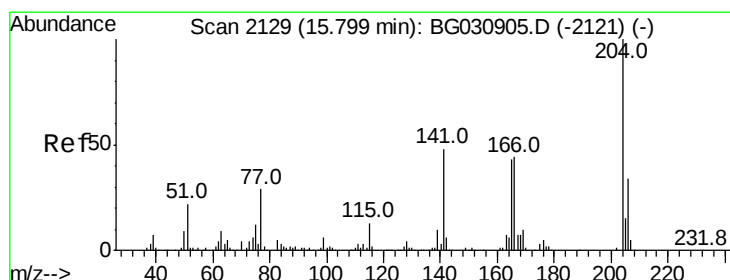
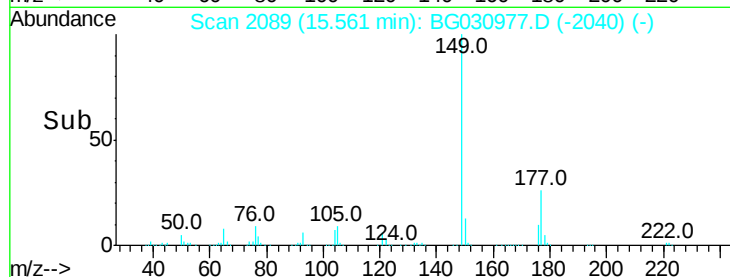
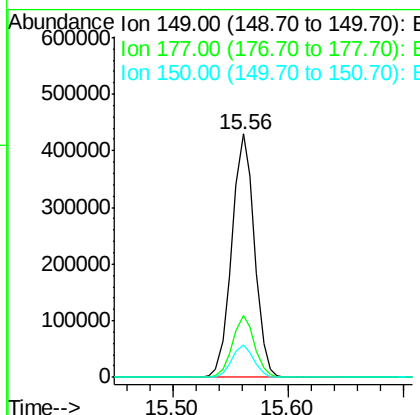
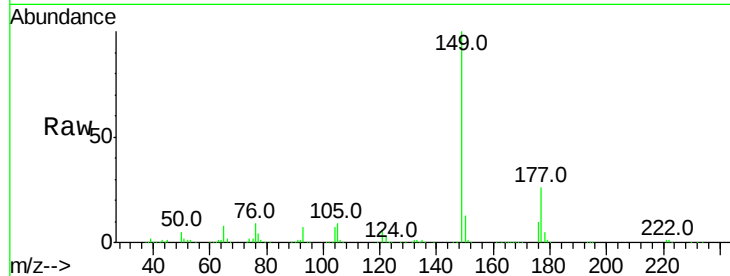
#59  
Diethylphthalate  
Concen: 46.019 ng  
RT: 15.56 min Scan# 2089  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 580154 |       |       |
| 177     | 25.6  | 18.5   | 27.7  |       |
| 150     | 13.1  | 10.2   | 15.2  |       |

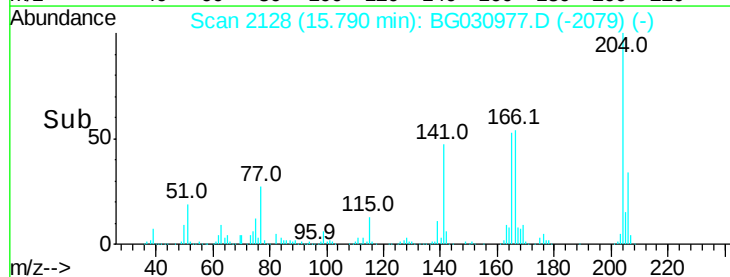
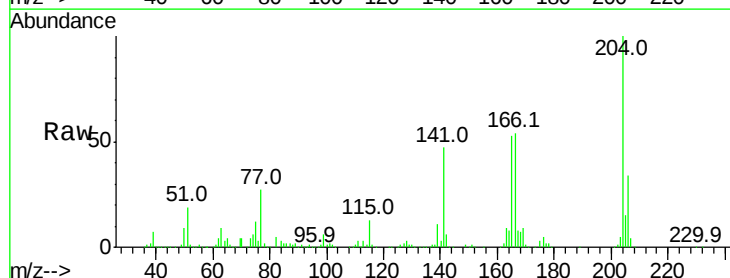
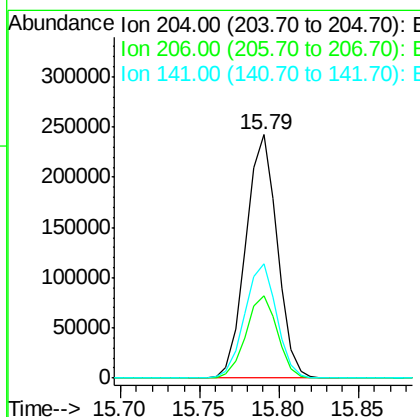
Manual Integrations  
APPROVED

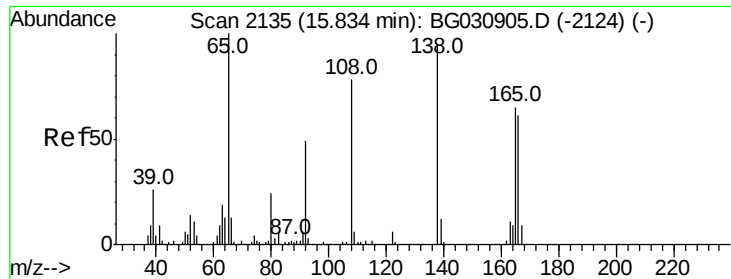
SOHIL  
11/14/2017 5:22:37 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 48.705 ng  
RT: 15.79 min Scan# 2128  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 333920 |       |       |
| 206     | 33.8  | 26.2   | 39.2  |       |
| 141     | 46.9  | 45.8   | 68.6  |       |





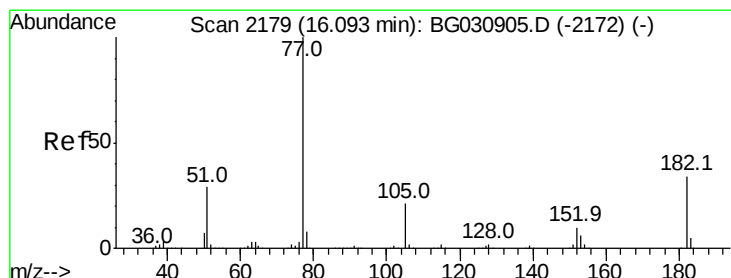
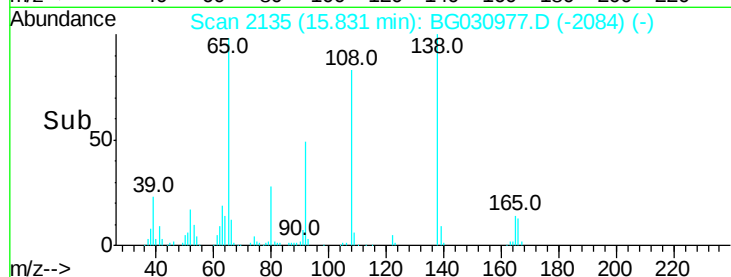
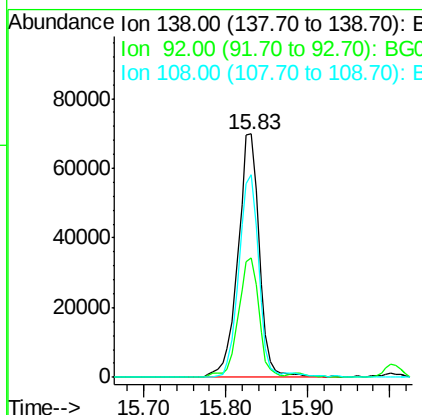
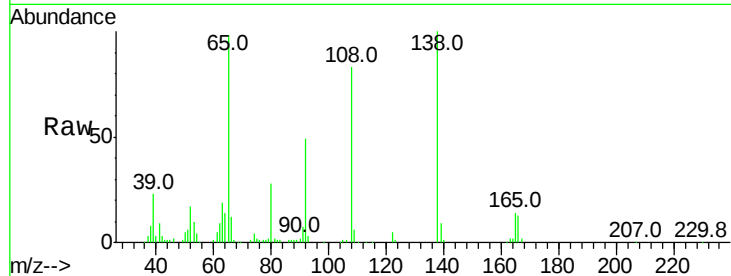
#61  
4-Nitroaniline  
Concen: 44.351 ng  
RT: 15.83 min Scan# 2135  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.2  | 40.1  | 80.1  |
| 108     | 83.2  | 65.4  | 105.4 |

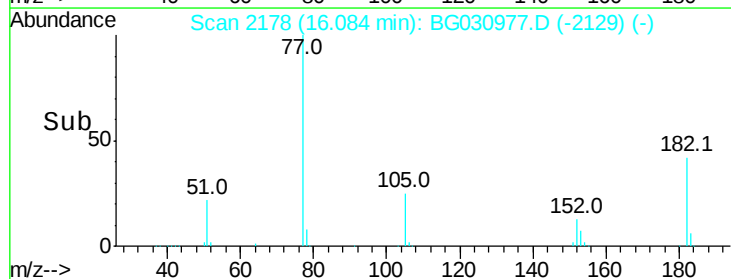
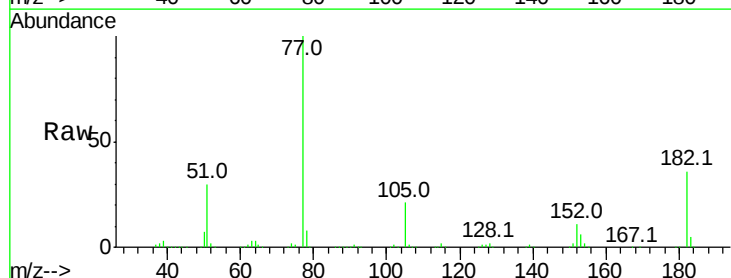
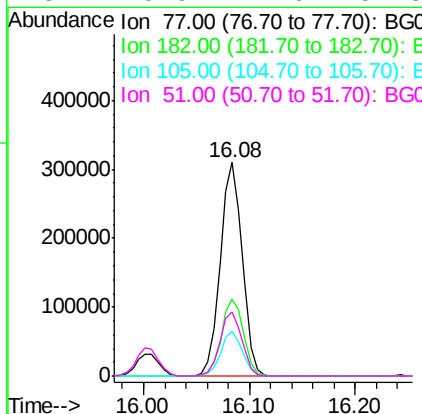
Manual Integrations  
APPROVED

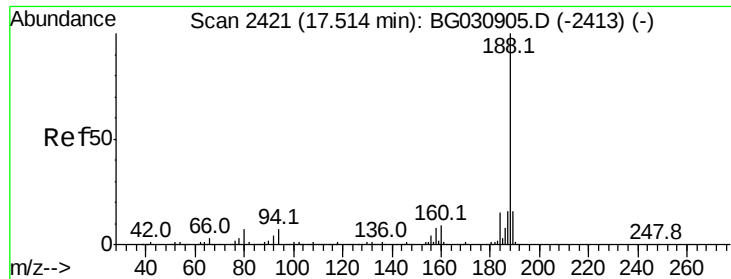
SOHIL  
11/14/2017 5:22:37 PM



#62  
Azobenzene  
Concen: 46.641 ng  
RT: 16.08 min Scan# 2178  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 35.7  | 7.4   | 47.4  |
| 105     | 21.0  | 0.3   | 40.3  |
| 51      | 29.9  | 11.6  | 51.6  |





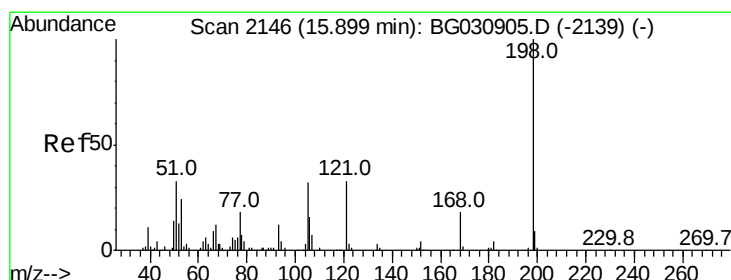
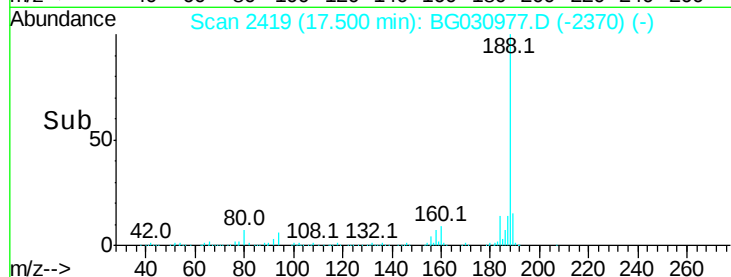
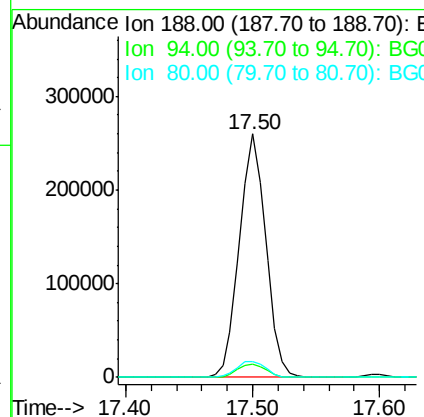
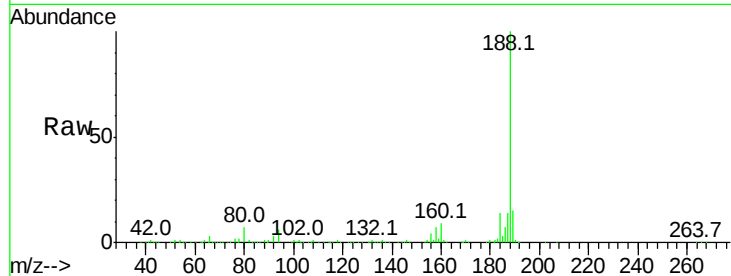
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 5.7   | 6.9  | 10.3# |       |
| 80      | 6.5   | 7.7  | 11.5# |       |

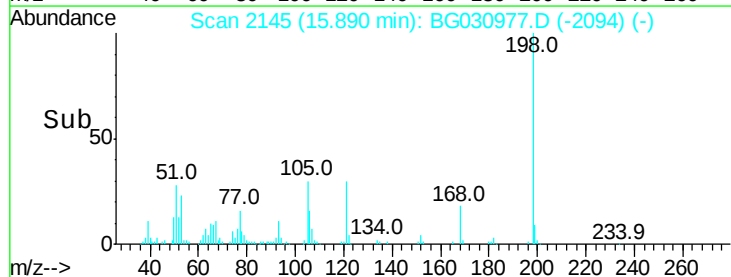
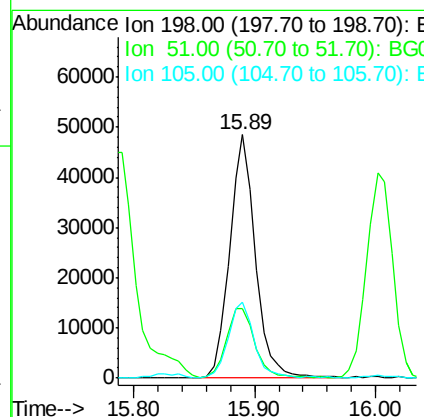
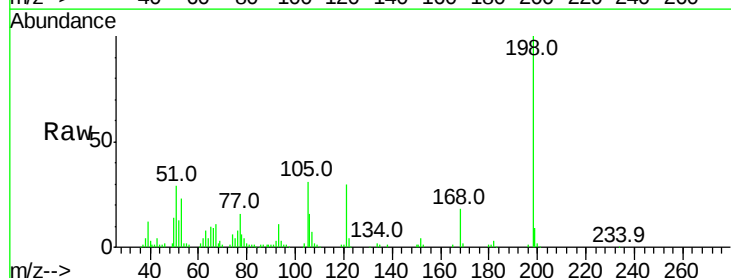
Manual Integrations  
APPROVED

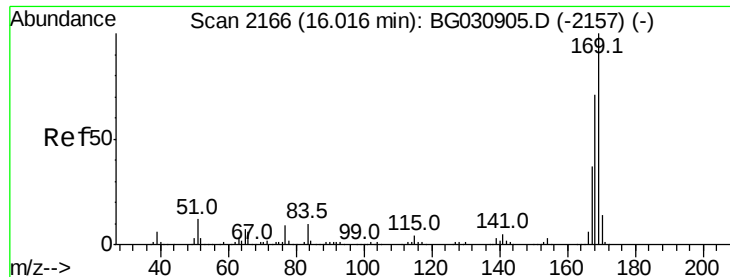
SOHIL  
11/14/2017 5:22:37 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 28.707 ng  
RT: 15.89 min Scan# 2145  
Delta R.T. -0.00 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 28.8  | 30.6 | 70.6# |       |
| 105     | 31.4  | 23.8 | 63.8  |       |





#65

n-Nitrosodiphenylamine

Concen: 44.966 ng

RT: 16.01 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-AMSD

Tot Ion:169 Resp: 511303

Ion Ratio Lower Upper

169 100

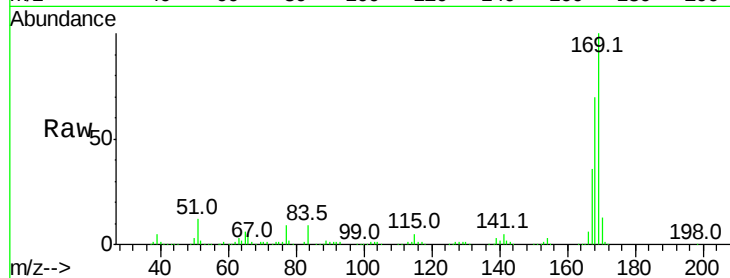
168 69.6 55.7 83.5

167 36.0 30.1 45.1

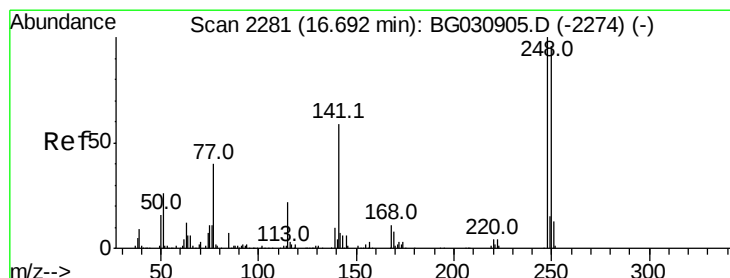
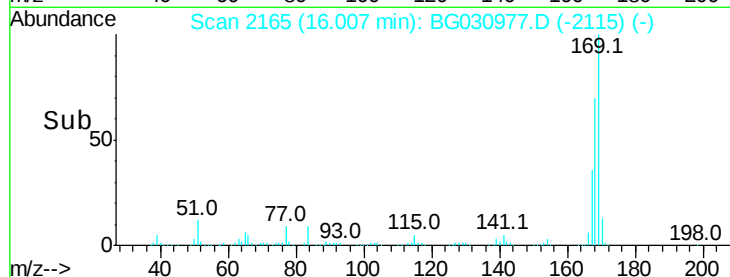
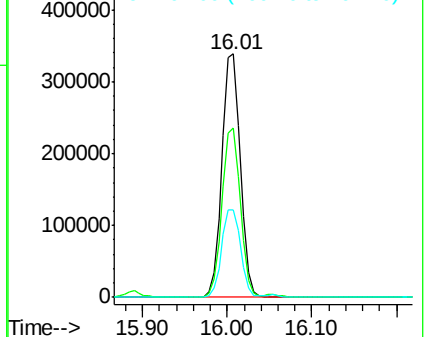
Manual Integrations  
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Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 51.156 ng

RT: 16.68 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

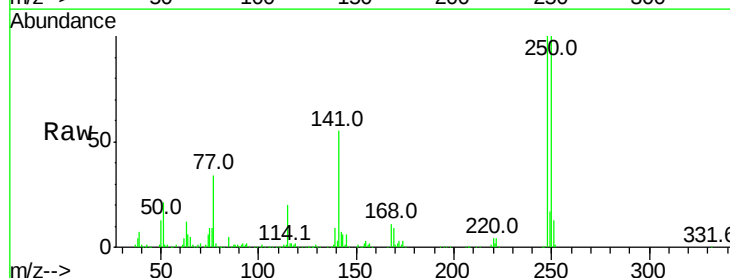
Tgt Ion:248 Resp: 243127

Ion Ratio Lower Upper

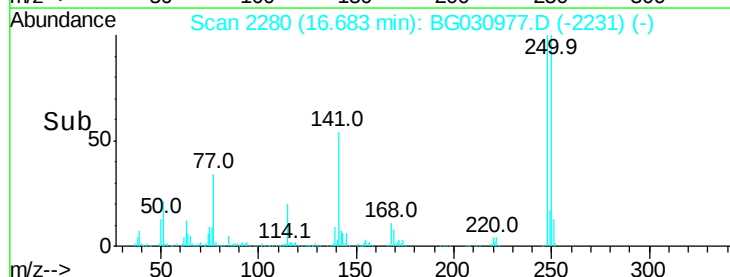
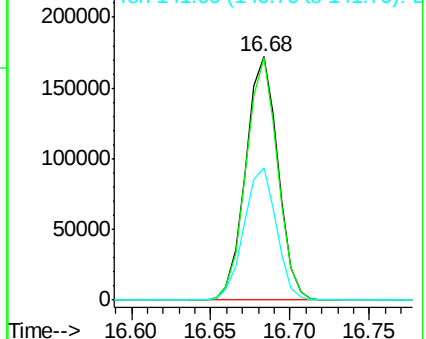
248 100

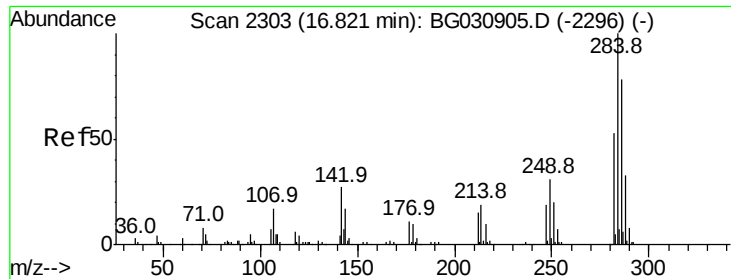
250 99.8 77.1 115.7

141 54.5 50.8 76.2



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.834 ng

RT: 16.81 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

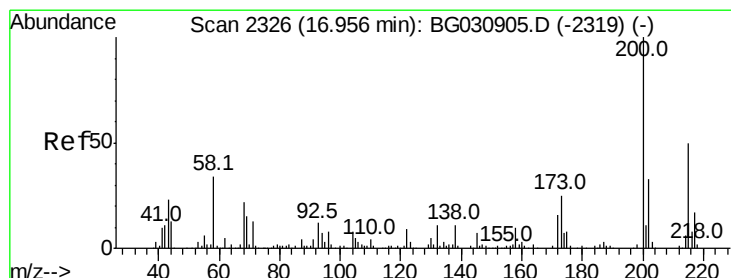
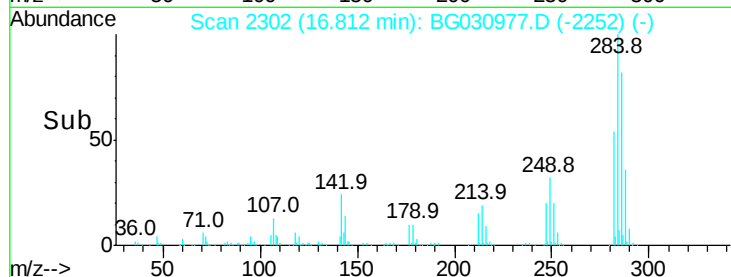
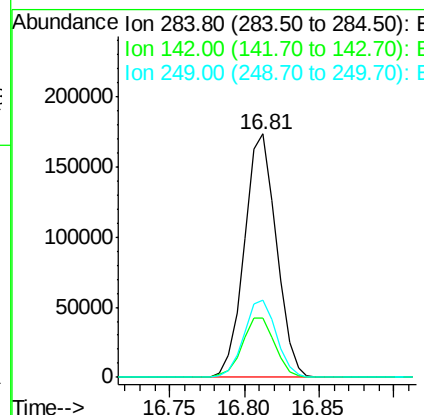
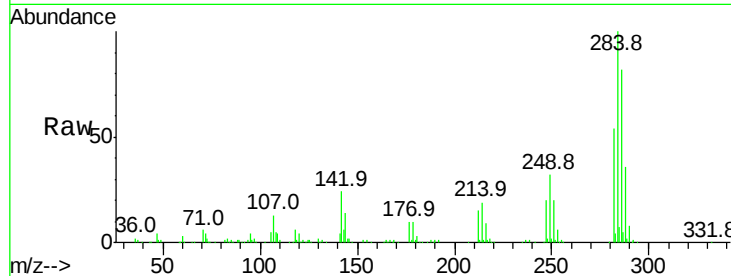
ClientSampleId :

JC-02-110917-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 256705 |       |       |
| 142     | 24.1  | 26.8   | 40.2  | #     |
| 249     | 31.7  | 26.3   | 39.5  |       |

Manual Integrations  
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SOHIL  
11/14/2017 5:22:37 PM



#68

Atrazine

Concen: 46.286 ng

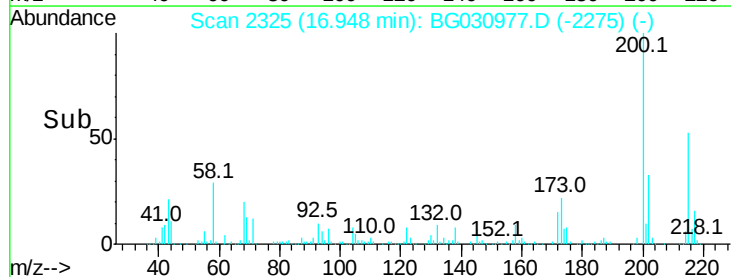
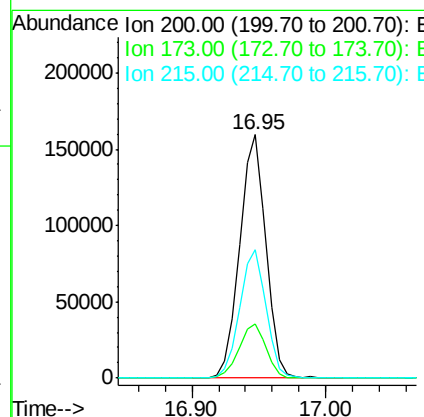
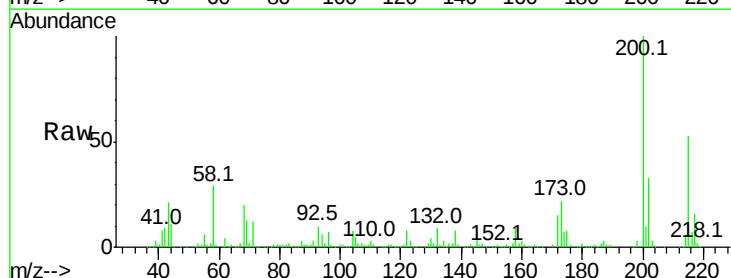
RT: 16.95 min Scan# 2325

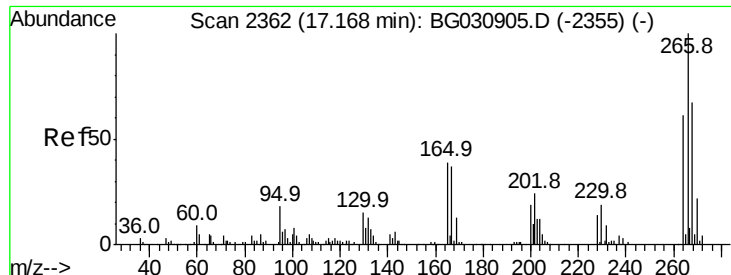
Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 217154 |       |       |
| 173     | 22.3  | 5.2    | 45.2  |       |
| 215     | 52.9  | 30.4   | 70.4  |       |





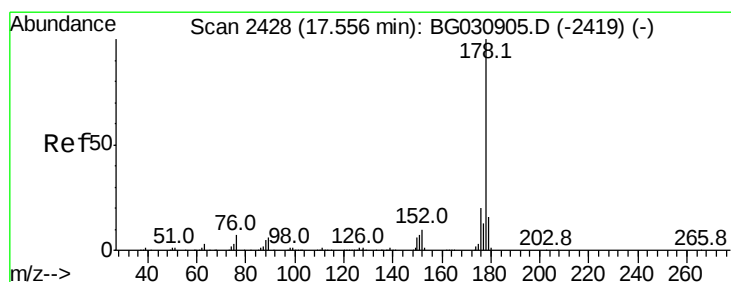
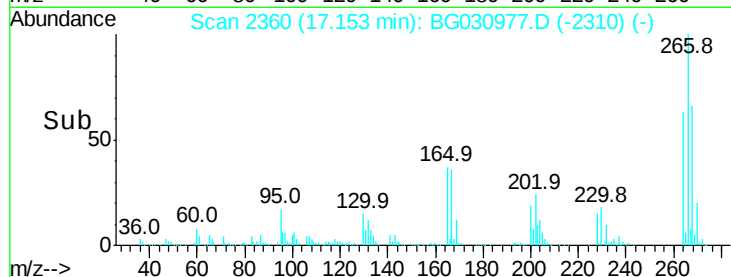
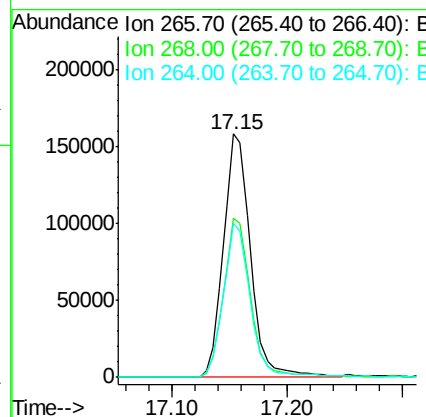
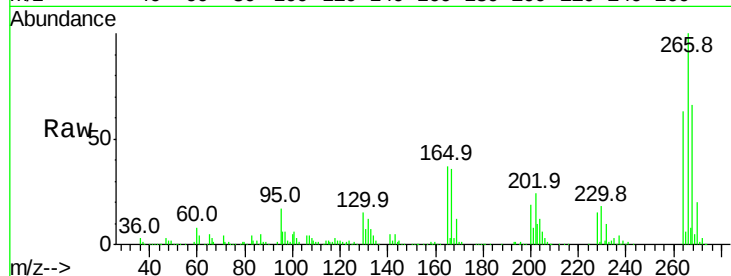
#69  
 Pentachlorophenol  
 Concen: 92.511 ng  
 RT: 17.15 min Scan# 2360  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 258241 |       |       |
| 268     | 65.6  | 51.1   | 76.7  |       |
| 264     | 63.2  | 49.6   | 74.4  |       |

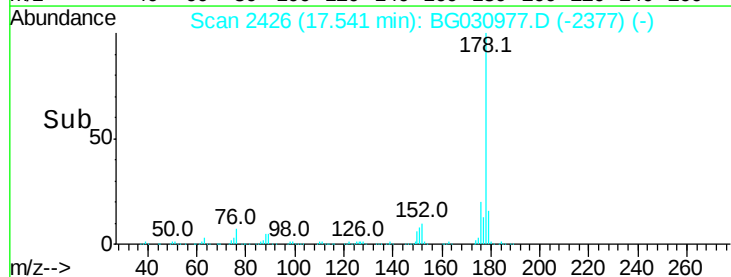
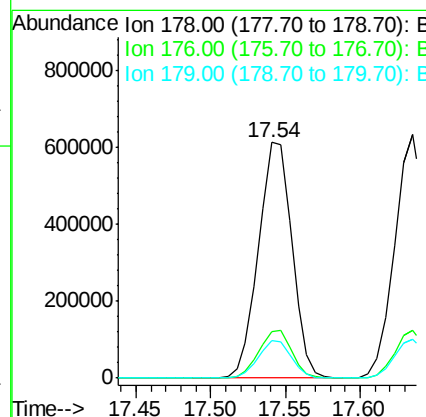
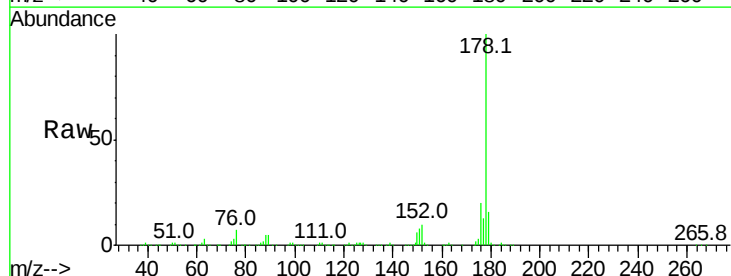
Manual Integrations  
 APPROVED

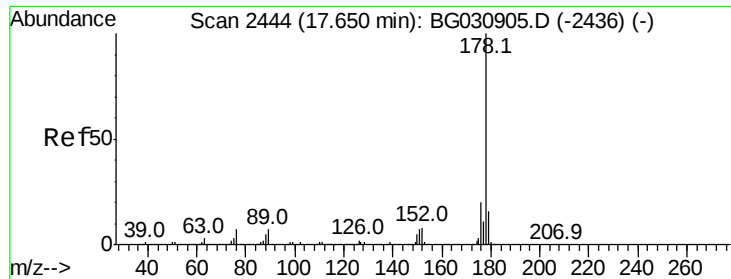
SOHIL  
 11/14/2017 5:22:37 PM



#70  
 Phenanthrene  
 Concen: 48.762 ng  
 RT: 17.54 min Scan# 2426  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 952716 |       |       |
| 176     | 19.8  | 15.7   | 23.5  |       |
| 179     | 15.7  | 12.5   | 18.7  |       |





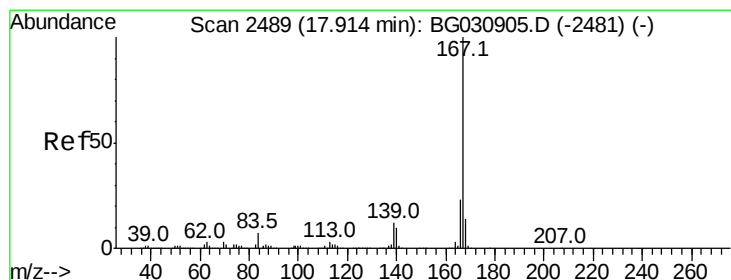
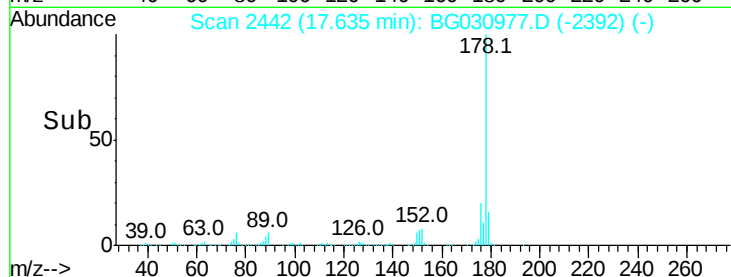
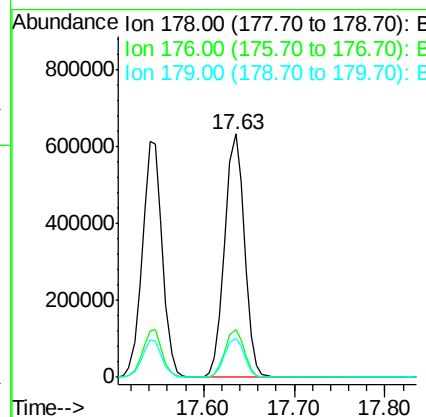
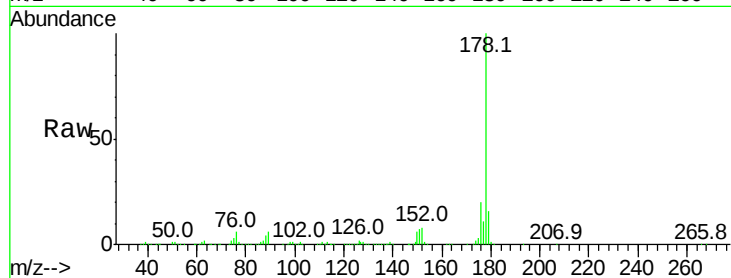
#71  
 Anthracene  
 Concen: 48.757 ng  
 RT: 17.63 min Scan# 2442  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 16.0  | 24.0  |
| 179     | 16.2  | 12.5  | 18.7  |

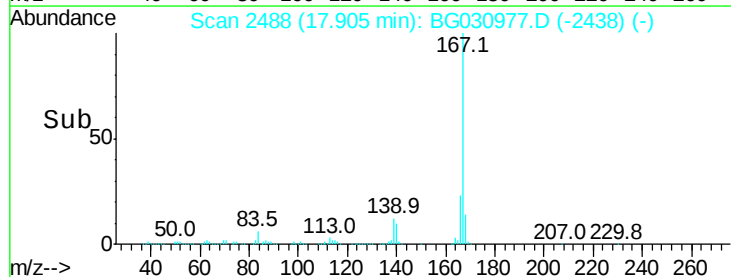
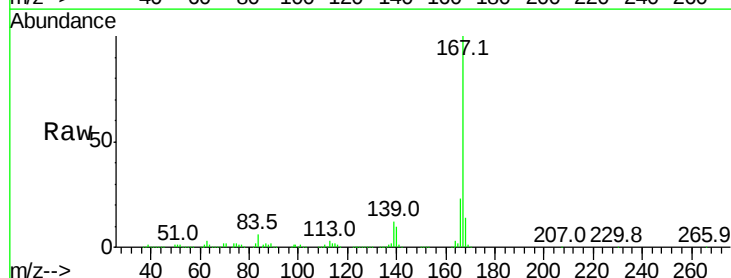
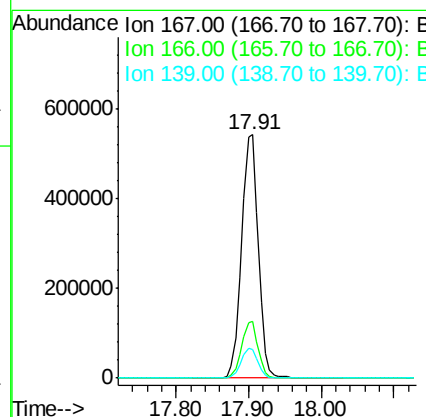
Manual Integrations  
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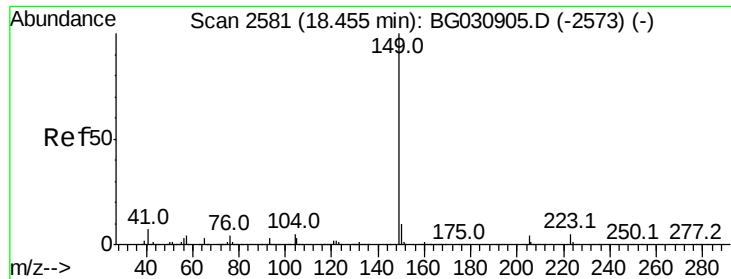
SOHIL  
 11/14/2017 5:22:37 PM



#72  
 Carbazole  
 Concen: 47.405 ng  
 RT: 17.91 min Scan# 2488  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.3  | 18.2  | 27.4  |
| 139     | 11.9  | 9.4   | 14.2  |





#73

Di-n-butylphthalate

Concen: 44.605 ng

RT: 18.44 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-AMSD

Tot Ion:149 Resp: 1004625

Ion Ratio Lower Upper

149 100

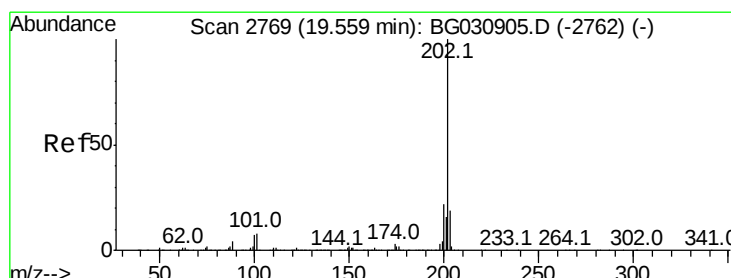
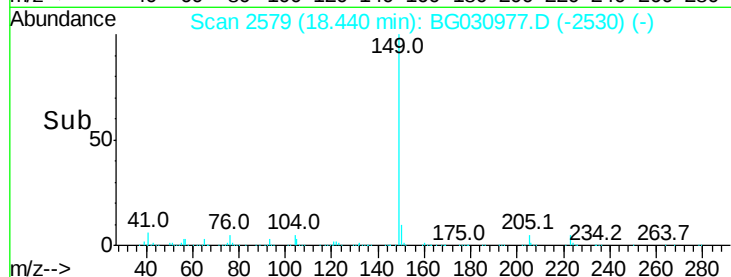
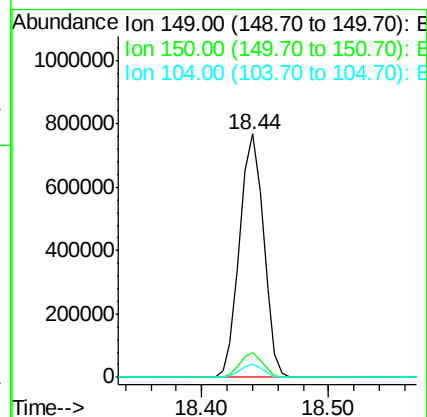
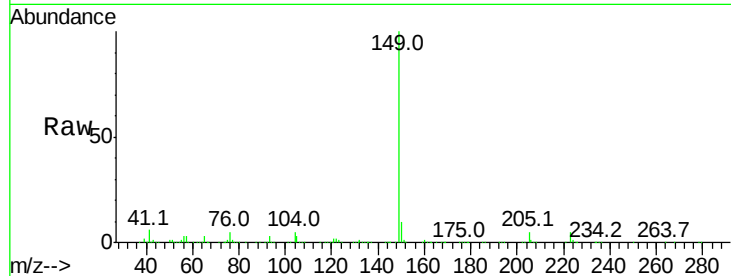
150 10.1 7.8 11.6

104 5.2 3.9 5.9

Manual Integrations  
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#74

Fluoranthene

Concen: 50.767 ng

RT: 19.54 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

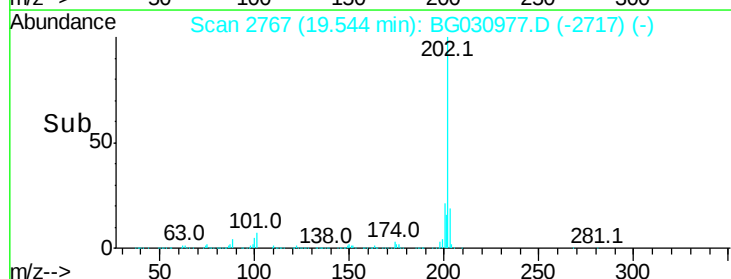
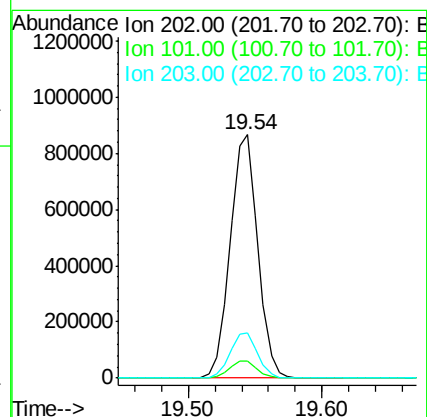
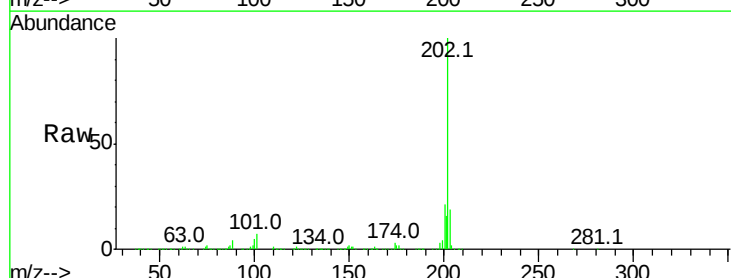
Tgt Ion:202 Resp: 1255849

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.9

203 18.7 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

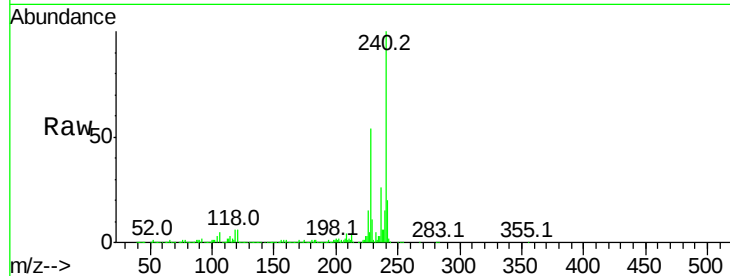
ClientSampleId :

JC-02-110917-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   |      |       |       |
| 120     | 6.1   | 6.8  | 10.2  |       |
| 236     | 26.2  | 20.9 | 31.3  |       |

Manual Integrations  
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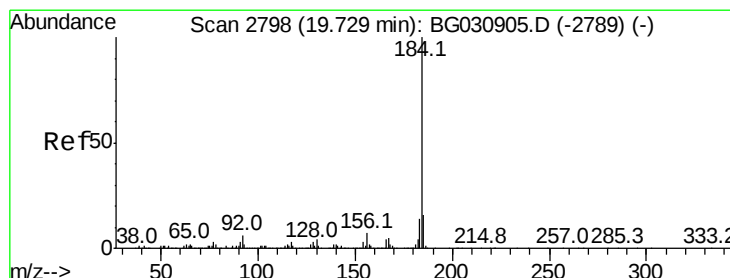
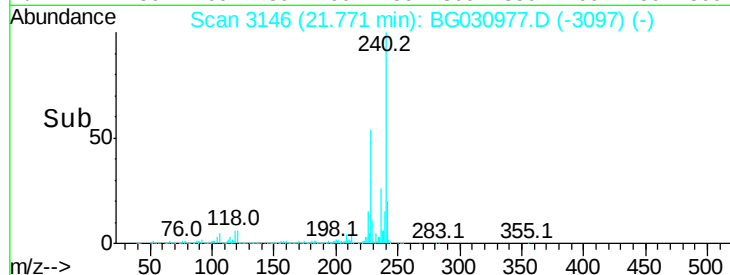
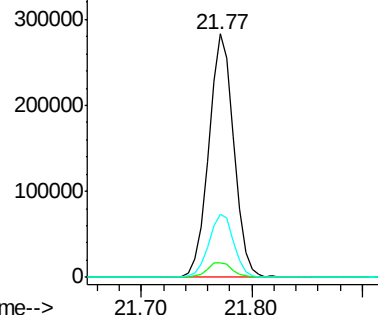
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11/14/2017 5:22:37 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 18.627 ng

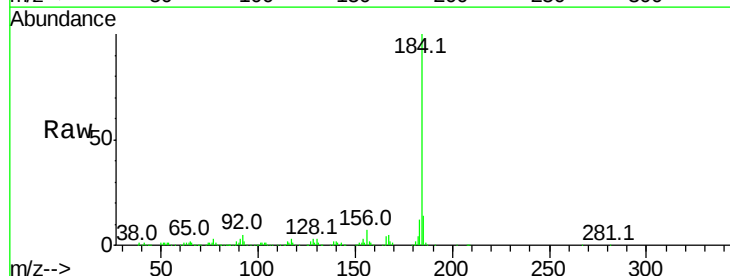
RT: 19.71 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

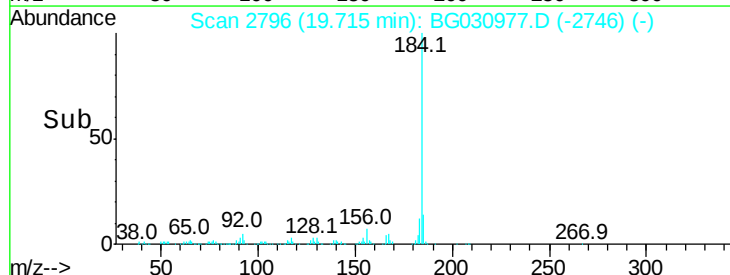
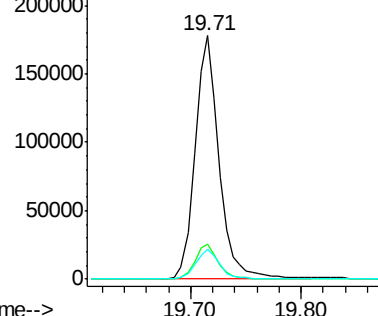
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 185     | 14.3  | 11.1 | 16.7  |       |
| 183     | 12.4  | 10.6 | 16.0  |       |

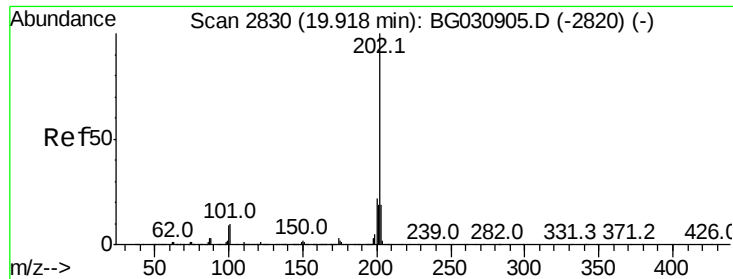


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 47.614 ng

RT: 19.90 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

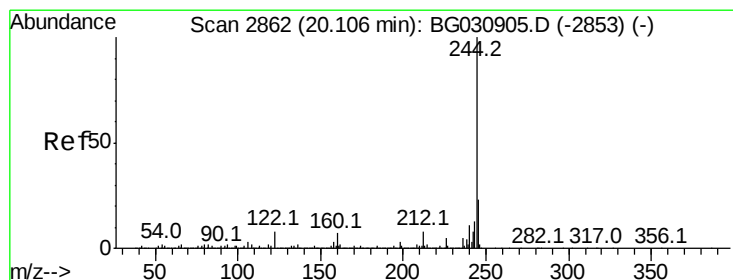
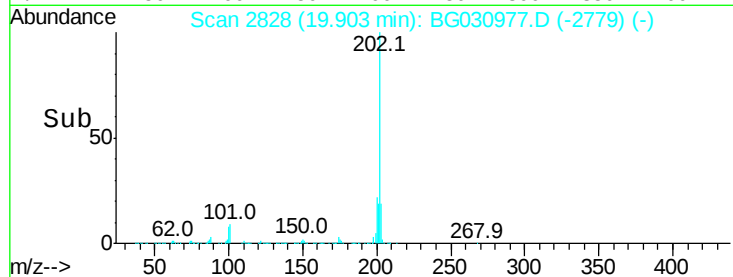
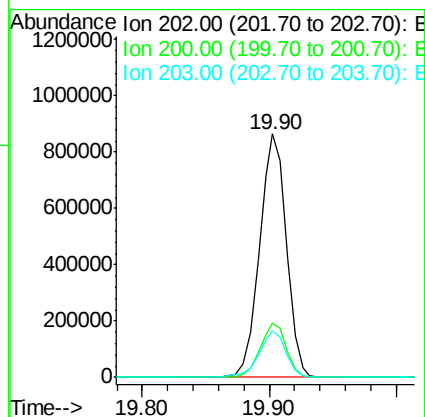
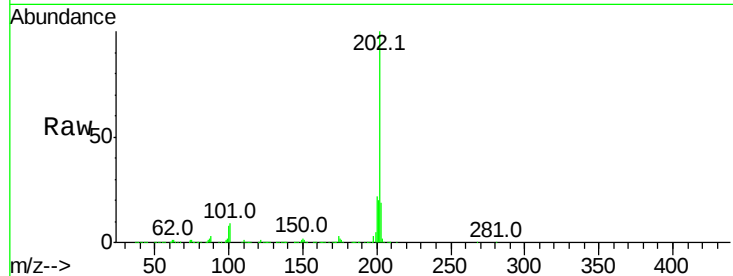
ClientSampleId :

JC-02-110917-AMSD

|             |               |
|-------------|---------------|
| Tot Ion:202 | Resp: 1272642 |
| Ion Ratio   | Lower Upper   |
| 202 100     |               |
| 200 22.1    | 16.9 25.3     |
| 203 19.1    | 13.9 20.9     |

Manual Integrations  
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#78

Terphenyl-d14

Concen: 87.603 ng

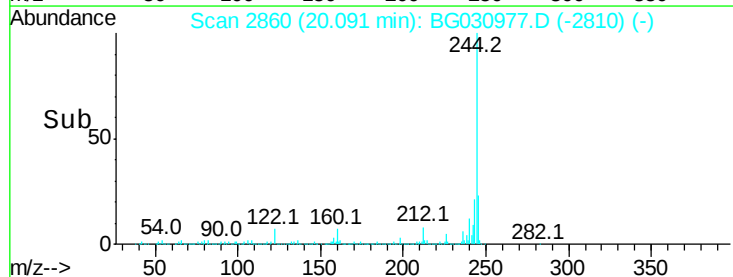
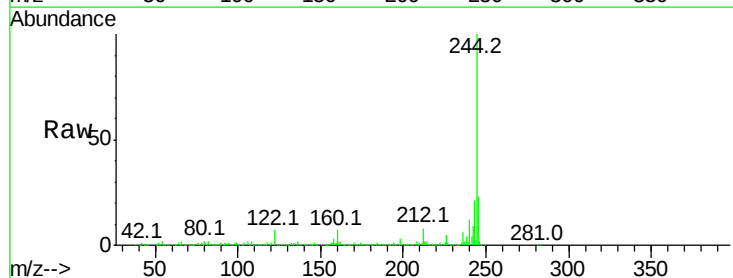
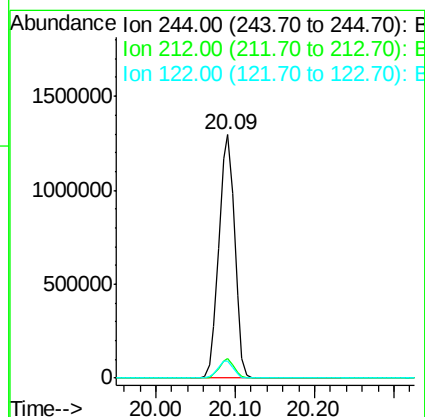
RT: 20.09 min Scan# 2860

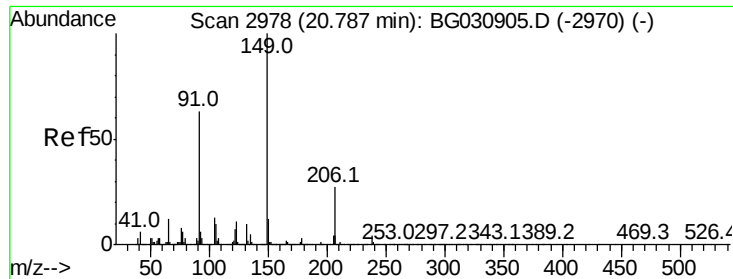
Delta R.T. -0.01 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

|             |               |
|-------------|---------------|
| Tgt Ion:244 | Resp: 1787027 |
| Ion Ratio   | Lower Upper   |
| 244 100     |               |
| 212 7.9     | 5.8 8.8       |
| 122 7.1     | 7.0 10.4      |





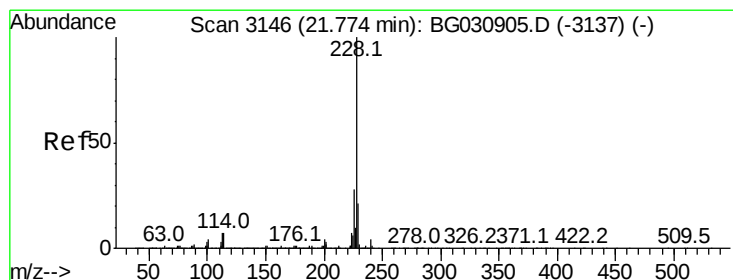
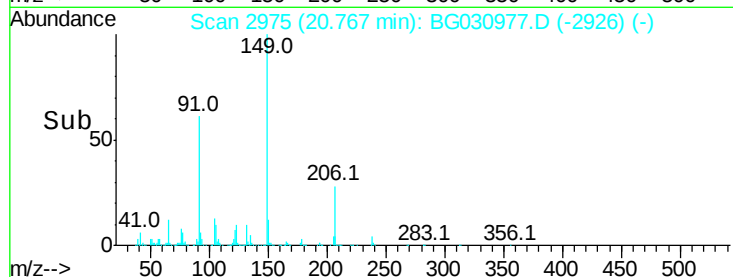
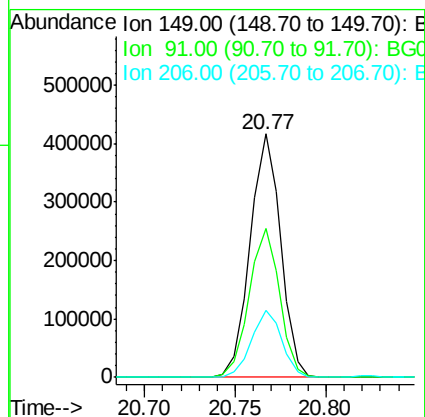
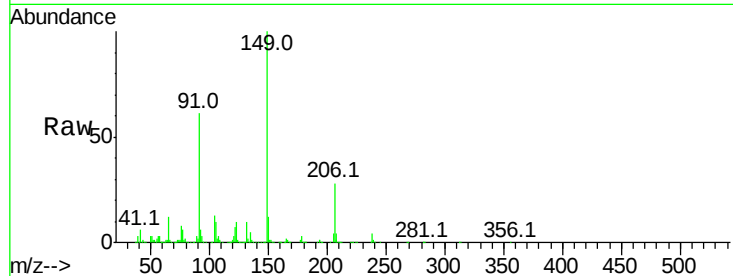
#79  
Butylbenzylphthalate  
Concen: 45.721 ng  
RT: 20.77 min Scan# 2975  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 61.1  | 62.2  | 93.2# |
| 206     | 27.6  | 18.6  | 27.8  |

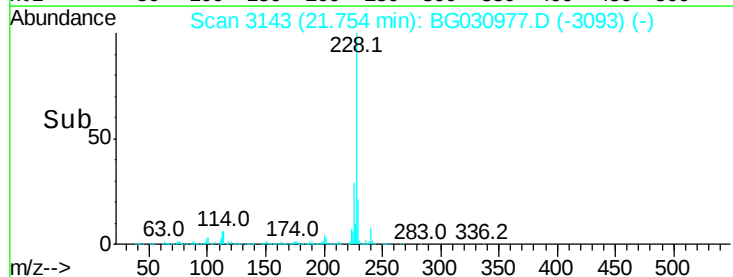
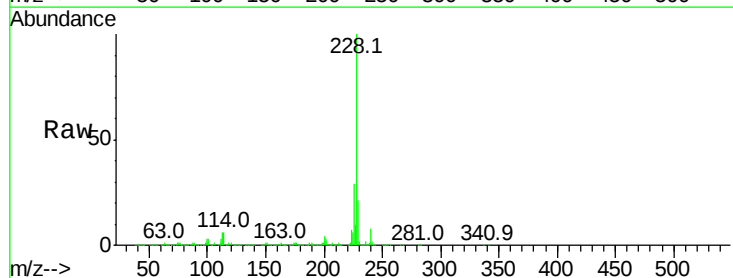
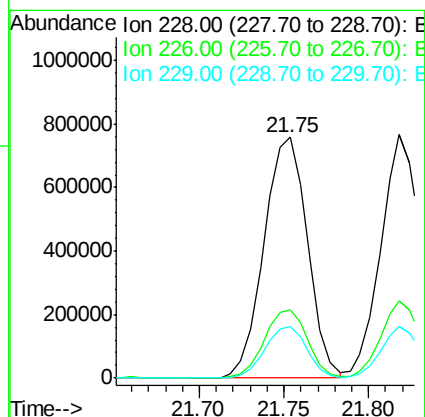
Manual Integrations  
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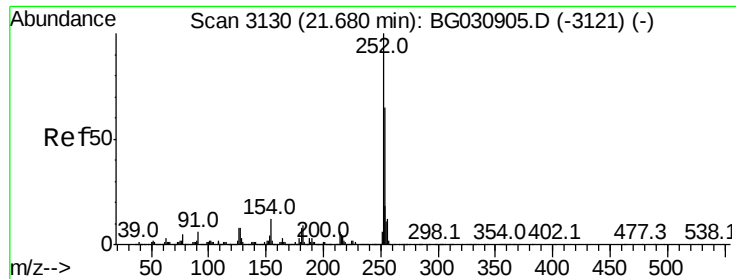
SOHIL  
11/14/2017 5:22:37 PM



#80  
Benzo(a)anthracene  
Concen: 48.086 ng  
RT: 21.75 min Scan# 3143  
Delta R.T. -0.01 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 22.7  | 34.1  |
| 229     | 21.2  | 16.2  | 24.2  |





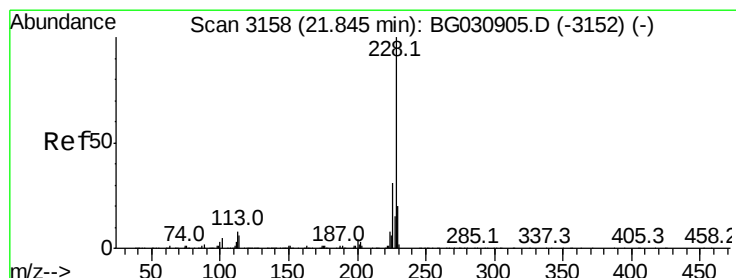
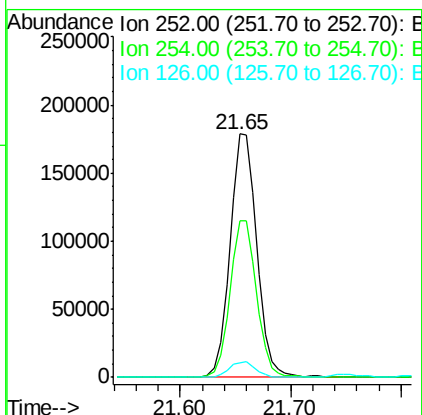
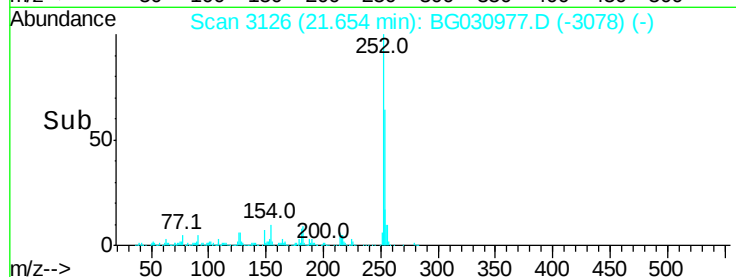
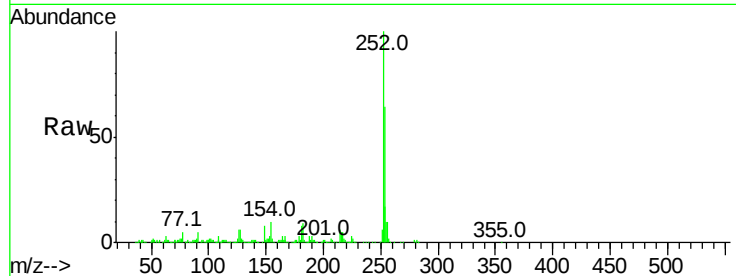
#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.864 ng  
 RT: 21.65 min Scan# 3126  
 Delta R.T. -0.02 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 303405 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 64.3  | 50.8  | 76.2   |
| 126       | 6.2   | 7.4   | 11.2#  |

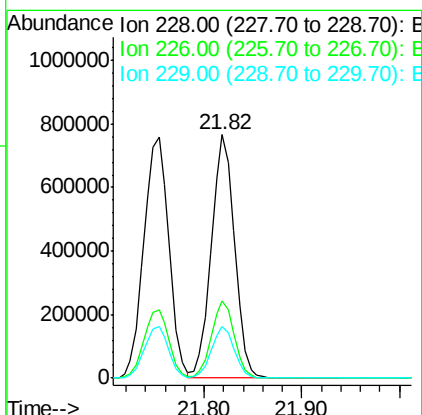
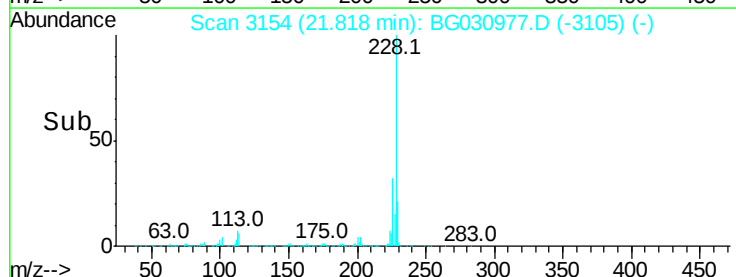
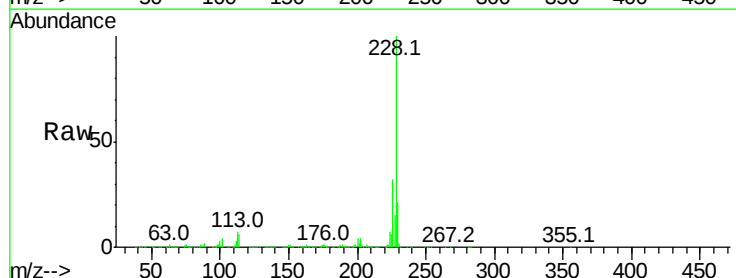
Manual Integrations  
 APPROVED

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 11/14/2017 5:22:37 PM



#82  
 Chrysene  
 Concen: 48.650 ng  
 RT: 21.82 min Scan# 3154  
 Delta R.T. -0.01 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 1259144 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 31.9  | 24.9  | 37.3    |
| 229       | 21.3  | 15.0  | 22.4    |





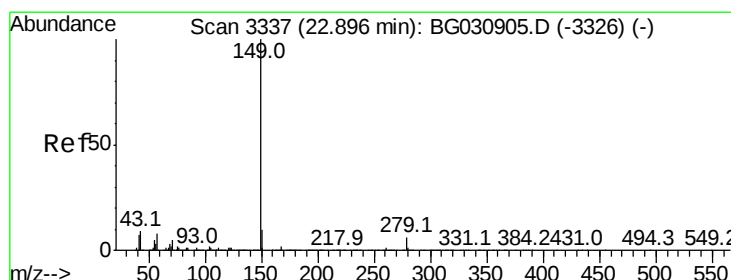
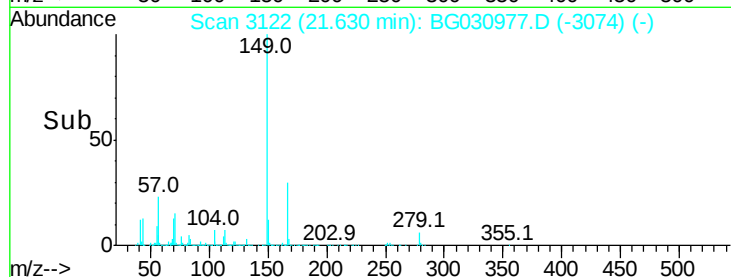
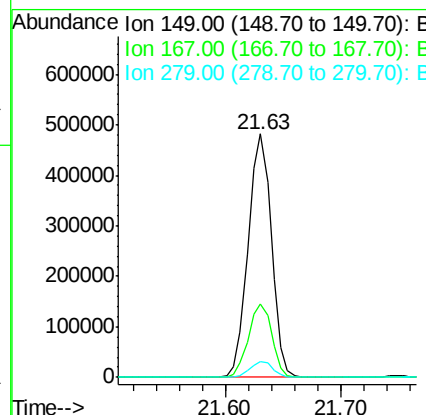
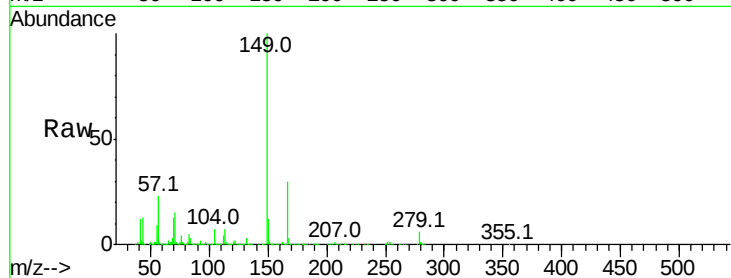
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.910 ng  
 RT: 21.63 min Scan# 3122  
 Delta R.T. -0.02 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.4  | 24.3  | 36.5  |
| 279     | 6.3   | 4.0   | 6.0   |

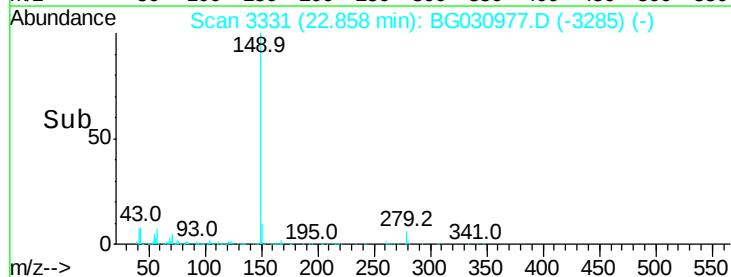
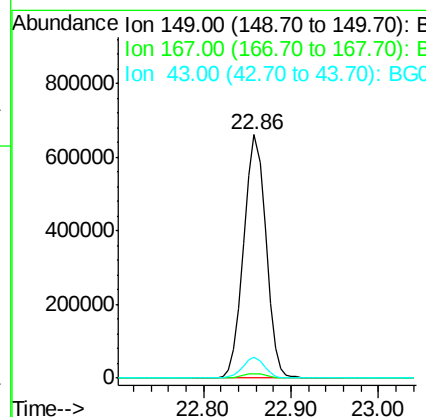
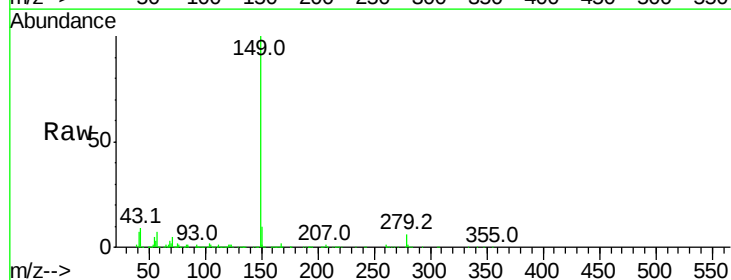
Manual Integrations  
 APPROVED

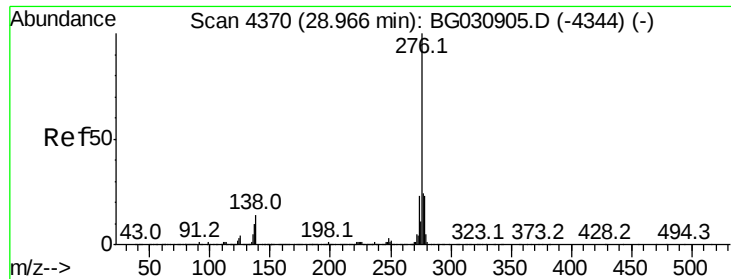
SOHIL  
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#84  
 Di-n-octyl phthalate  
 Concen: 45.044 ng  
 RT: 22.86 min Scan# 3331  
 Delta R.T. -0.03 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 8.3   | 8.9   | 13.3  |





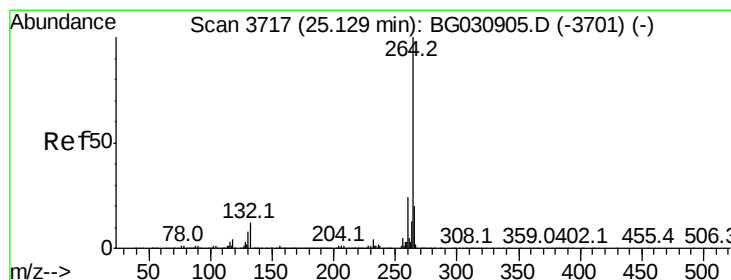
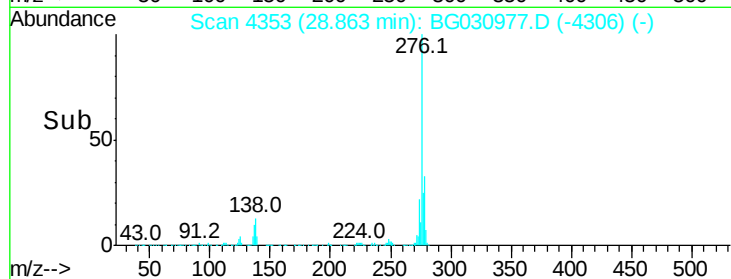
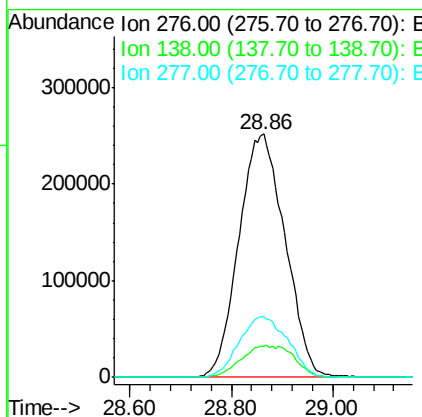
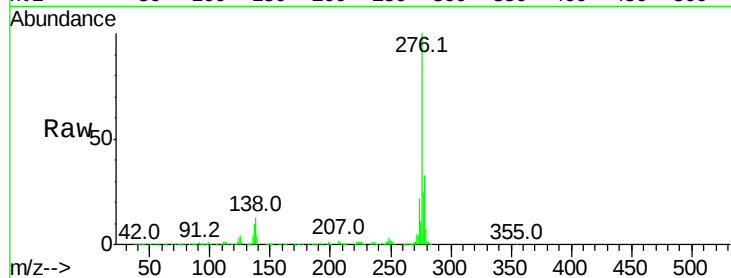
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 50.561 ng  
 RT: 28.86 min Scan# 4353  
 Delta R.T. -0.02 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 9.5   | 16.0  | 24.0# |
| 277     | 26.4  | 20.0  | 30.0  |

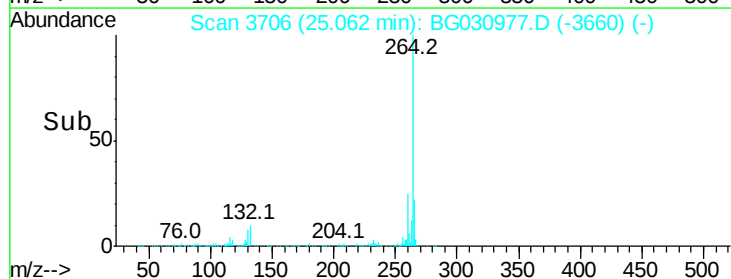
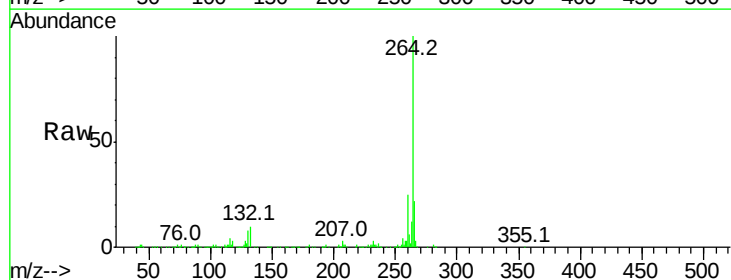
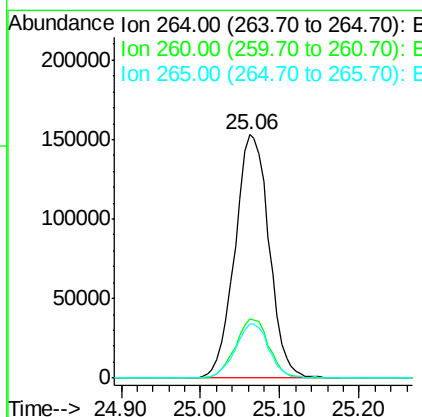
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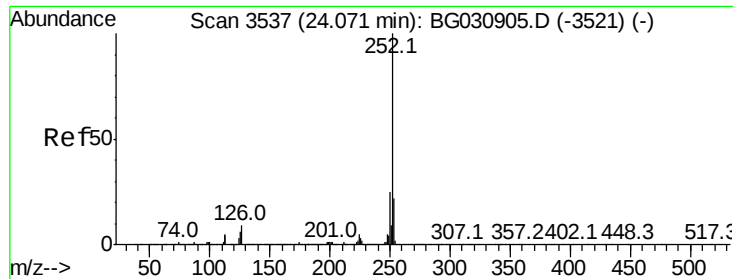
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.06 min Scan# 3706  
 Delta R.T. -0.03 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 17.4  | 26.0  |
| 265     | 22.2  | 17.7  | 26.5  |





#87

Benzo(b)fluoranthene

Concen: 49.113 ng

RT: 24.02 min Scan# 3528

Delta R.T. -0.02 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

Instrument :

BNA\_G

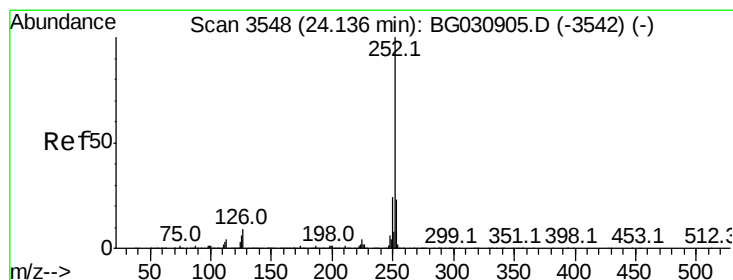
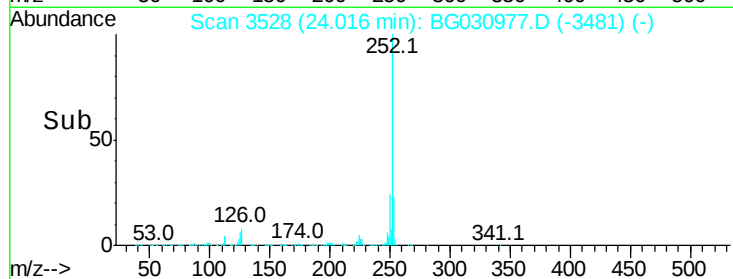
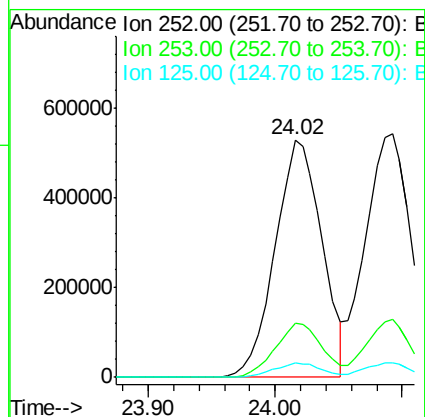
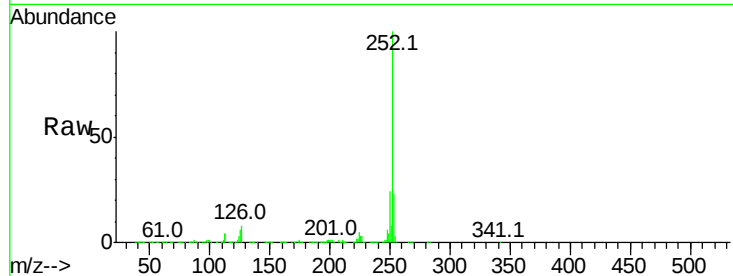
ClientSampleId :

JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.2  | 27.4  |
| 125     | 5.9   | 7.2   | 10.8  |

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#88

Benzo(k)fluoranthene

Concen: 49.504 ng

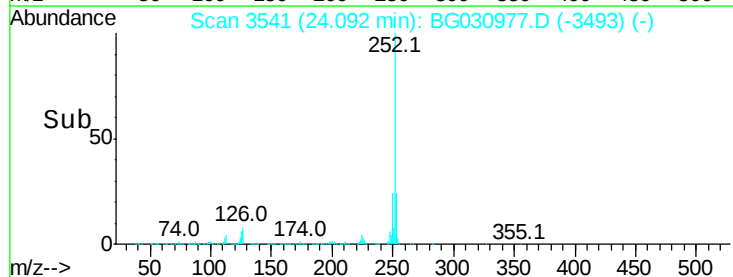
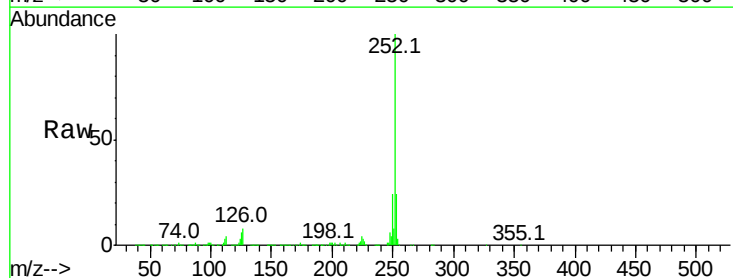
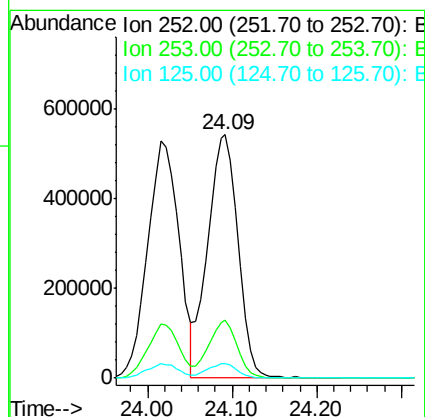
RT: 24.09 min Scan# 3541

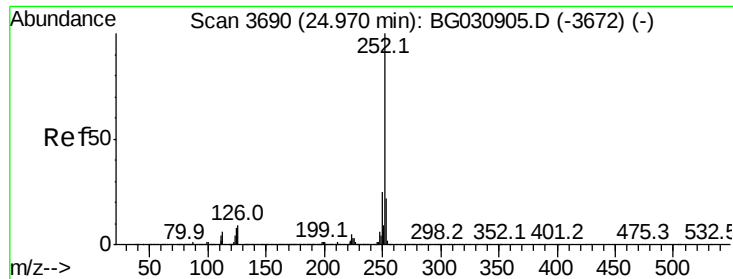
Delta R.T. -0.02 min

Lab File: BG030977.D

Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.4  | 26.2  |
| 125     | 6.1   | 6.6   | 9.8   |





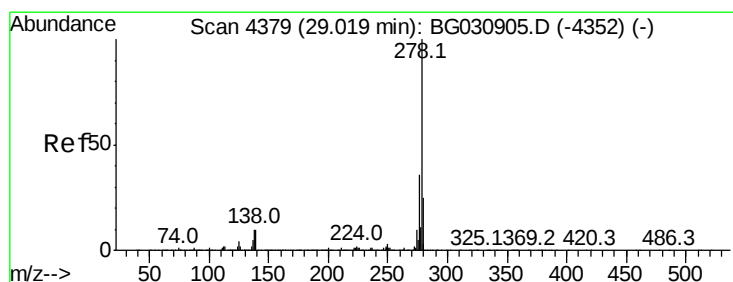
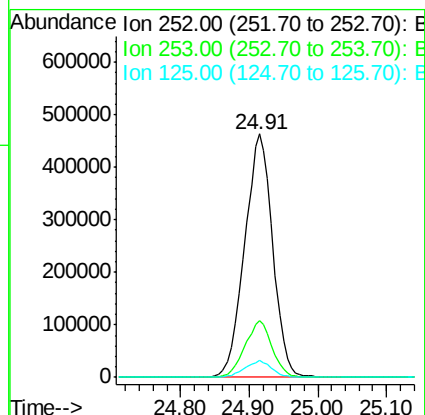
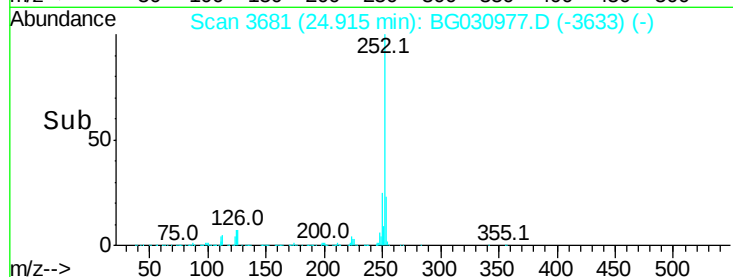
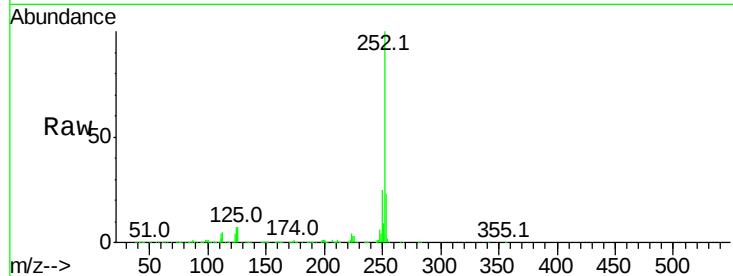
#89  
Benzo(a)pyrene  
Concen: 50.191 ng  
RT: 24.91 min Scan# 3681  
Delta R.T. -0.02 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.3  | 27.5  |
| 125     | 6.8   | 7.3   | 10.9  |

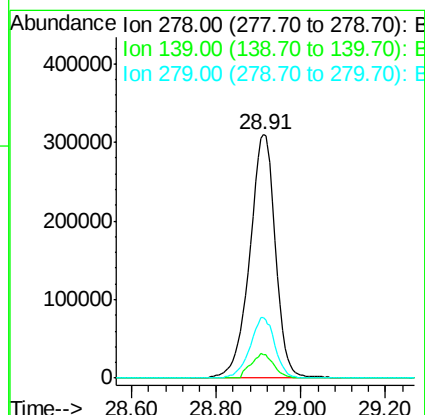
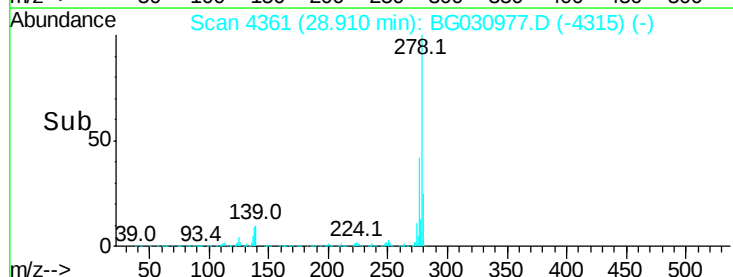
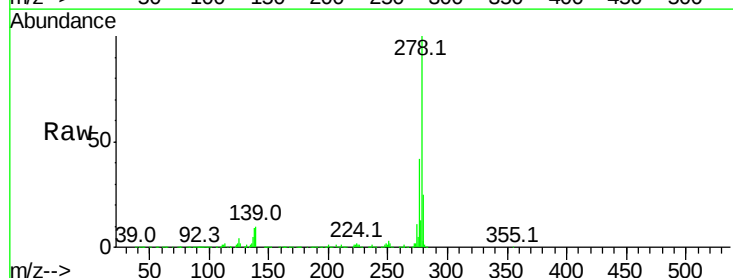
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#90  
Dibenzo(a,h)anthracene  
Concen: 49.474 ng  
RT: 28.91 min Scan# 4361  
Delta R.T. -0.03 min  
Lab File: BG030977.D  
Acq: 13 Nov 2017 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.7   | 9.8   | 14.6  |
| 279     | 25.0  | 18.4  | 27.6  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 50.364 ng  
 RT: 30.04 min Scan# 4553  
 Delta R.T. -0.04 min  
 Lab File: BG030977.D  
 Acq: 13 Nov 2017 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 18.3  | 27.5  |
| 138     | 12.3  | 13.9  | 20.9  |

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