Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031687.D
Acq On : 21 Dec 2017 23:44
Operator : SJ/JU
Sample : I6681-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-121917-AMSD

Manual Integrations APPROVED
Sohil
12/22/2017 12:44:16 PM

Quant Time: Dec 22 04:24:45 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:38:35 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.83 | 152 | 54416m | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.72 | 136 | 228393 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.46 | 164 | 163076 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.20 | 188 | 426920 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.57 | 240 | 473129 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.36 | 264 | 521617 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.25 | 112 | 403979 | 135.22 | ng | | 0.00 |
| 7) Phenol-d6 | 7.93 | 99 | 491405 | 126.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.03 | 82 | 293364 | 96.99 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.94 | 330 | 387151 | 155.59 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.09 | 172 | 1082283 | 83.30 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.73 | 244 | 1963892 | 94.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.90 | 88 | 37498 | 33.859 | ng | # | 77 |
| 3) Pyridine | 4.36 | 79 | 85389 | 28.845 | ng | # | 77 |
| 4) n-Nitrosodimethylamine | 4.25 | 42 | 48997 | 41.017 | ng | # | 82 |
| 6) Aniline | 8.12 | 93 | 77622 | 15.554 | ng | | 97 |
| 8) 2-Chlorophenol | 8.38 | 128 | 163222 | 47.098 | ng | # | 80 |
| 9) Benzaldehyde | 7.92 | 77 | 41932m | 17.953 | ng | | |
| 10) Phenol | 7.96 | 94 | 166695 | 42.566 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 8.21 | 93 | 133504m | 41.049 | ng | | |
| 12) 1,3-Dichlorobenzene | 8.72 | 146 | 176072m | 40.912 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.86 | 146 | 180267m | 41.005 | ng | | |
| 14) 1,2-Dichlorobenzene | 9.20 | 146 | 172896 | 41.506 | ng | | 93 |
| 15) Benzyl Alcohol | 9.06 | 79 | 138014 | 47.397 | ng | | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.36 | 45 | 140348 | 52.990 | ng | | 83 |
| 17) 2-Methylphenol | 9.26 | 107 | 131900 | 47.072 | ng | | 96 |
| 18) Hexachloroethane | 9.96 | 117 | 54868m | 41.208 | ng | | |
| 19) n-Nitroso-di-n-propylamine | 9.65 | 70 | 108562m | 40.981 | ng | | |
| 20) 3+4-Methylphenols | 9.60 | 107 | 184071 | 46.220 | ng | | 95 |
| 22) Acetophenone | 9.67 | 105 | 239425 | 45.121 | ng | # | 85 |
| 24) Nitrobenzene | 10.07 | 77 | 149303 | 47.896 | ng | # | 85 |
| 25) Isophorone | 10.60 | 82 | 307628 | 47.247 | ng | # | 86 |
| 26) 2-Nitrophenol | 10.80 | 139 | 88702 | 54.271 | ng | # | 78 |
| 27) 2,4-Dimethylphenol | 10.83 | 122 | 178065 | 51.774 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 11.08 | 93 | 194776 | 44.583 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 11.34 | 162 | 206303 | 51.095 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 11.57 | 180 | 211737 | 42.950 | ng | | 99 |
| 31) Naphthalene | 11.77 | 128 | 537794 | 46.657 | ng | | 99 |
| 32) Benzoic acid | 10.96 | 122 | 110647 | 47.292 | ng | # | 75 |
| 33) 4-Chloroaniline | 11.85 | 127 | 26716 | 5.206 | ng | # | 87 |
| 34) Hexachlorobutadiene | 12.04 | 225 | 139776 | 41.299 | ng | | 95 |
| 35) Caprolactam | 12.61 | 113 | 53695 | 43.873 | ng | # | 43 |
| 36) 4-Chloro-3-methylphenol | 12.92 | 107 | 189969 | 50.944 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 13.33 | 142 | 429288 | 45.942 | ng | | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.68 | 216 | 290679 | 42.318 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 13.66 | 237 | 353605 | 97.584 | ng | | 92 |

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Misc :
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**Instrument :**
BNA_G
**ClientSampleId :**
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Quant Time: Dec 22 04:24:45 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:38:35 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.91 | 196 | 192859 | 48.698 ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.98 | 196 | 214857 | 48.955 ng | # | 90 |
| 45) 1,1'-Biphenyl | 14.30 | 154 | 625716 | 44.924 ng | | 96 |
| 46) 2-Chloronaphthalene | 14.36 | 162 | 463462 | 43.625 ng | | 95 |
| 47) 2-Nitroaniline | 14.53 | 65 | 98049 | 53.438 ng | # | 73 |
| 48) Acenaphthylene | 15.19 | 152 | 730154 | 42.960 ng | | 99 |
| 49) Dimethylphthalate | 14.90 | 163 | 650716 | 45.294 ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.02 | 165 | 144077 | 54.516 ng | # | 67 |
| 51) Acenaphthene | 15.53 | 154 | 546736 | 49.117 ng | | 95 |
| 52) 3-Nitroaniline | 15.34 | 138 | 38462 | 14.917 ng | # | 67 |
| 53) 2,4-Dinitrophenol | 15.55 | 184 | 161097 | 137.428 ng | # | 59 |
| 54) Dibenzofuran | 15.86 | 168 | 776497 | 45.507 ng | | 98 |
| 55) 4-Nitrophenol | 15.63 | 139 | 214186 | 102.060 ng | # | 68 |
| 56) 2,4-Dinitrotoluene | 15.80 | 165 | 203764 | 59.960 ng | # | 62 |
| 57) Fluorene | 16.50 | 166 | 626375 | 45.188 ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.07 | 232 | 225433 | 52.647 ng | # | 84 |
| 59) Diethylphthalate | 16.24 | 149 | 637089 | 45.498 ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.48 | 204 | 375785 | 44.307 ng | | 92 |
| 61) 4-Nitroaniline | 16.50 | 138 | 99872 | 39.692 ng | | 81 |
| 62) Azobenzene | 16.78 | 77 | 416026 | 46.328 ng | | 83 |
| 64) 4,6-Dinitro-2-methylphenol | 16.55 | 198 | 102425 | 49.089 ng | # | 67 |
| 65) n-Nitrosodiphenylamine | 16.69 | 169 | 595391 | 41.991 ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.38 | 248 | 280447 | 45.428 ng | | 92 |
| 67) Hexachlorobenzene | 17.50 | 284 | 287342 | 45.531 ng | # | 89 |
| 68) Atrazine | 17.62 | 200 | 244066 | 44.268 ng | | 98 |
| 69) Pentachlorophenol | 17.84 | 266 | 395078 | 91.015 ng | | 99 |
| 70) Phenanthrene | 18.24 | 178 | 1089655 | 45.101 ng | | 98 |
| 71) Anthracene | 18.34 | 178 | 1111962 | 45.625 ng | | 99 |
| 72) Carbazole | 18.59 | 167 | 967949 | 44.872 ng | | 100 |
| 73) Di-n-butylphthalate | 19.10 | 149 | 1098876 | 45.839 ng | | 99 |
| 74) Fluoranthene | 20.20 | 202 | 1364457 | 46.027 ng | | 96 |
| 76) Benzidine | 20.36 | 184 | 210376 | 14.406 ng | | 99 |
| 77) Pyrene | 20.56 | 202 | 1363459 | 45.115 ng | | 97 |
| 79) Butylbenzylphthalate | 21.44 | 149 | 483610 | 47.668 ng | # | 76 |
| 80) Benzo(a)anthracene | 22.54 | 228 | 1380330 | 45.864 ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 22.42 | 252 | 271088 | 23.232 ng | # | 98 |
| 82) Chrysene | 22.62 | 228 | 1293478 | 45.423 ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.41 | 149 | 676919 | 46.054 ng | # | 97 |
| 84) Di-n-octyl phthalate | 23.83 | 149 | 1178242 | 47.597 ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 30.77 | 276 | 1803512 | 49.368 ng | # | 88 |
| 87) Benzo(b)fluoranthene | 25.14 | 252 | 1494354 | 46.152 ng | # | 97 |
| 88) Benzo(k)fluoranthene | 25.22 | 252 | 1440265 | 44.447 ng | # | 96 |
| 89) Benzo(a)pyrene | 26.18 | 252 | 1444055 | 46.567 ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 30.86 | 278 | 1504909 | 46.989 ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 30.77 | 276 | 1803512 | 47.696 ng | # | 93 |

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

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**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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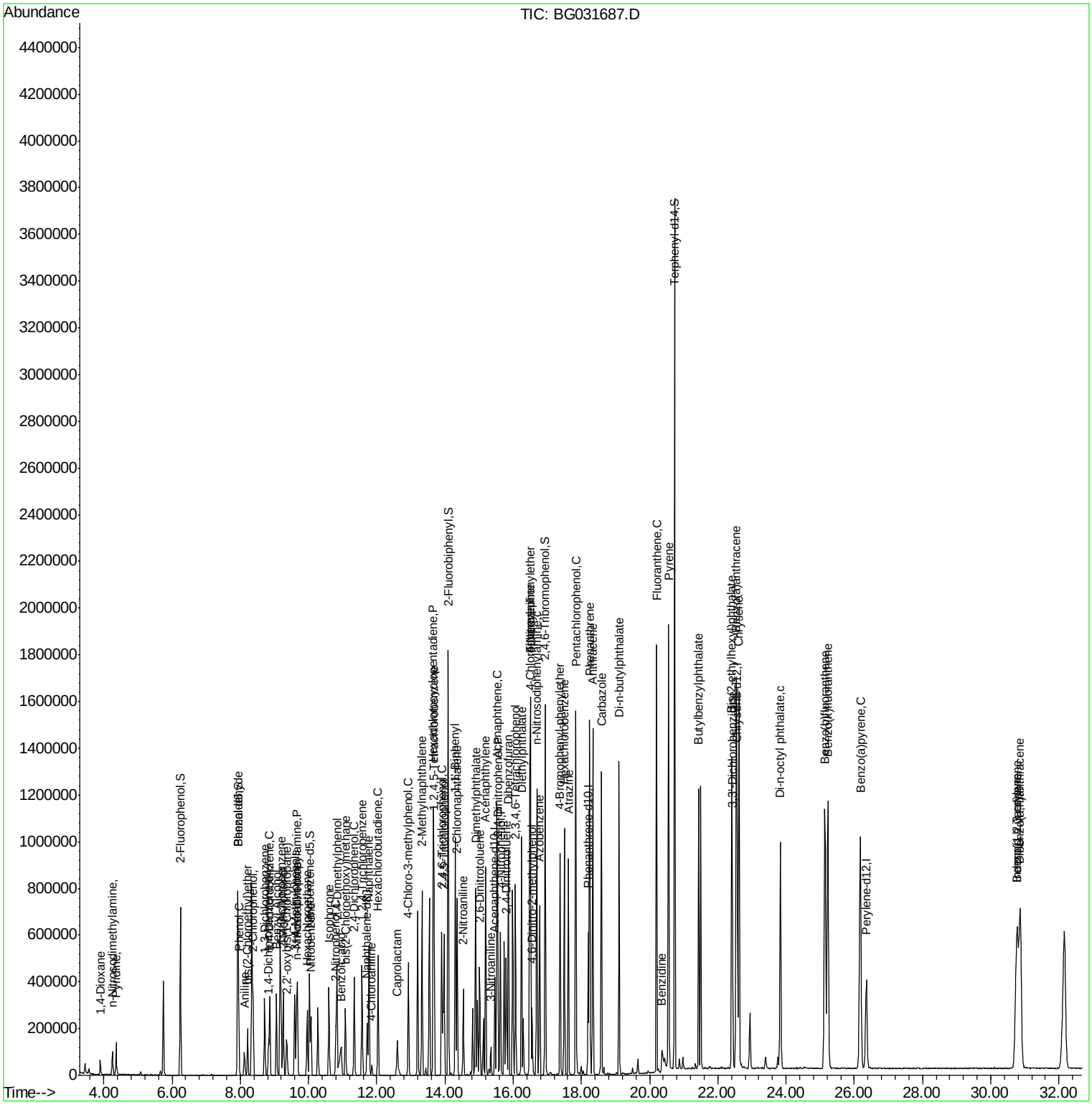
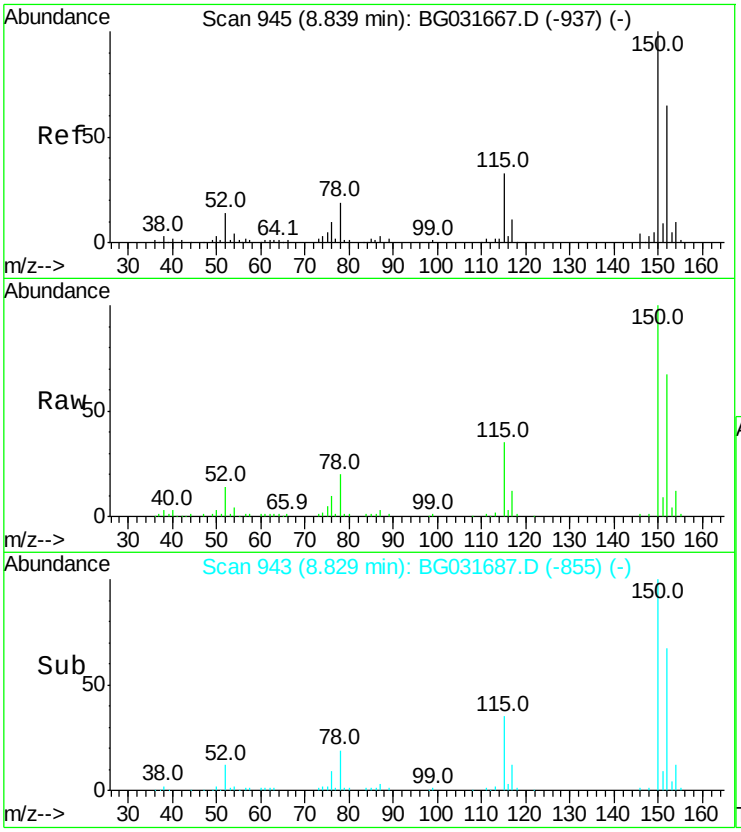
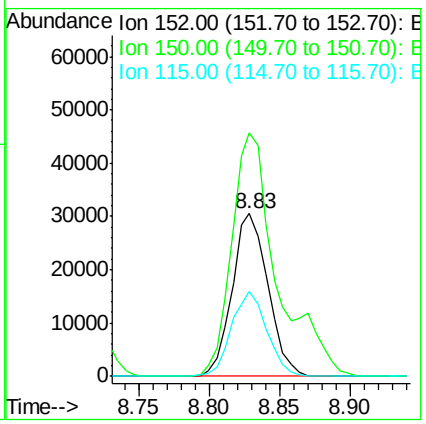





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng m
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:152 Resp: 54416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 149.9 | 126.6 | 189.8 |
| 115 | 52.6 | 53.0 | 79.4# |

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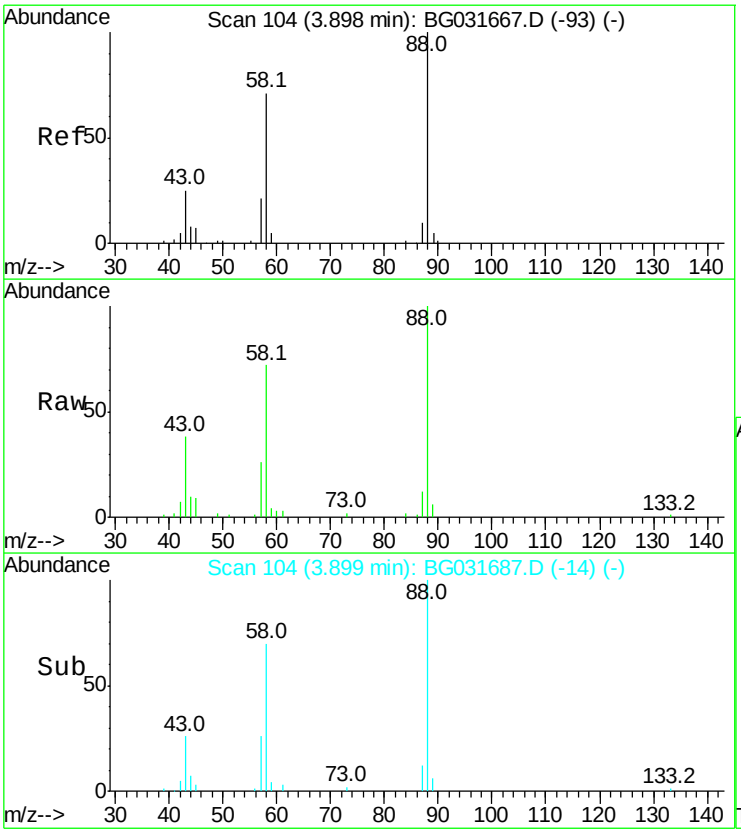
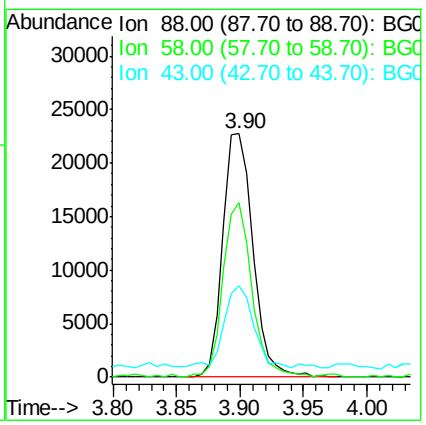
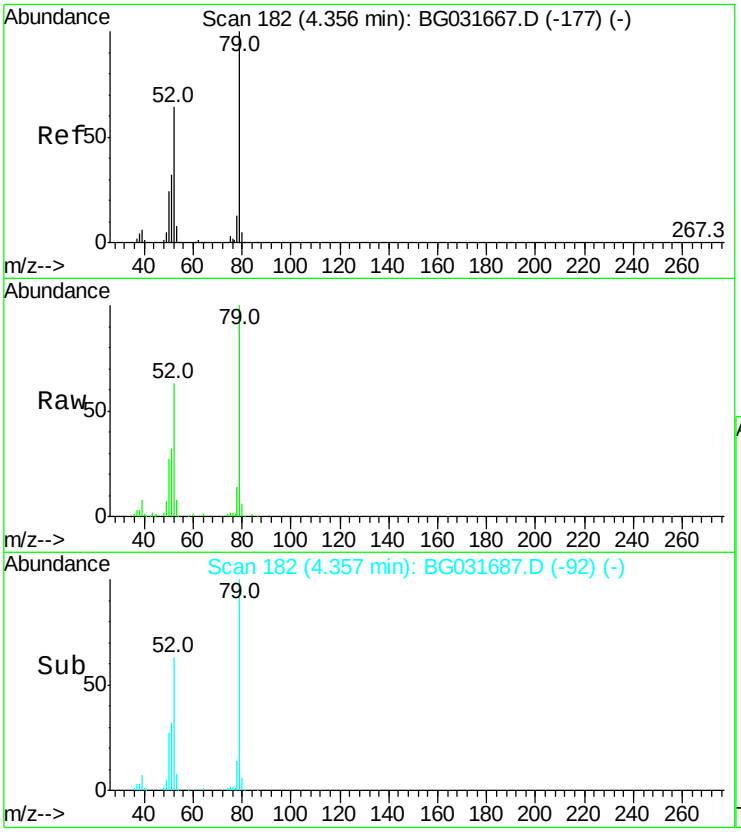



#2
1,4-Dioxane
Concen: 33.859 ng
RT: 3.90 min Scan# 104
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 88 Resp: 37498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.4 | 79.6 | 119.4# |
| 43 | 34.2 | 27.4 | 41.0 |

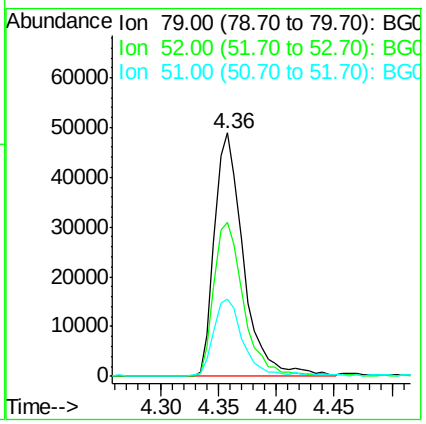





#3
Pyridine
Concen: 28.845 ng
RT: 4.36 min Scan# 182
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 79 Resp: 85389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 63.3 | 69.9 | 104.9# |
| 51 | 31.9 | 34.0 | 51.0# |

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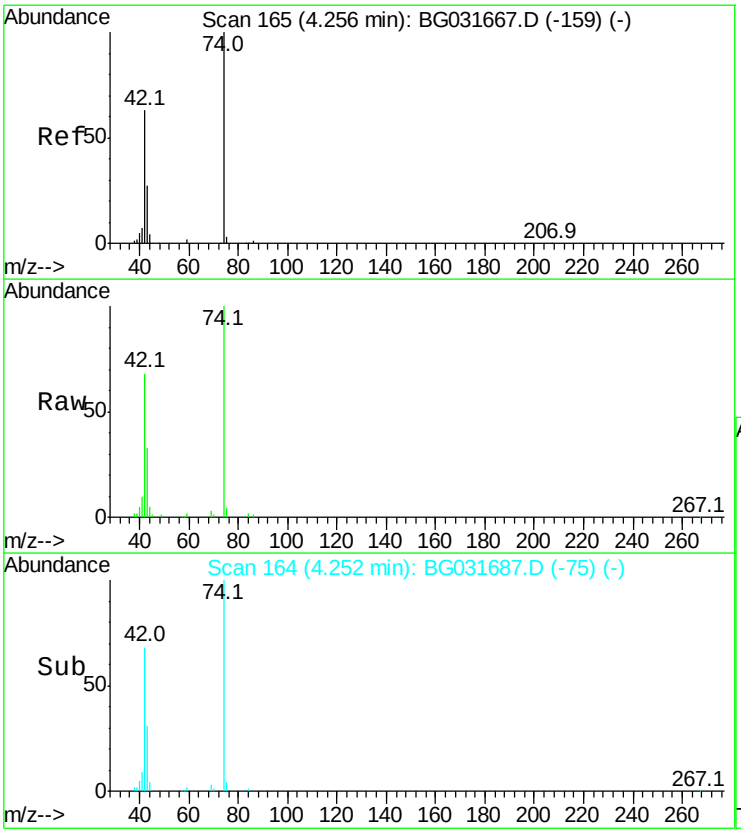
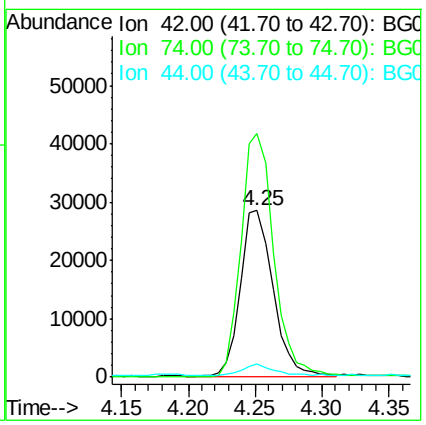
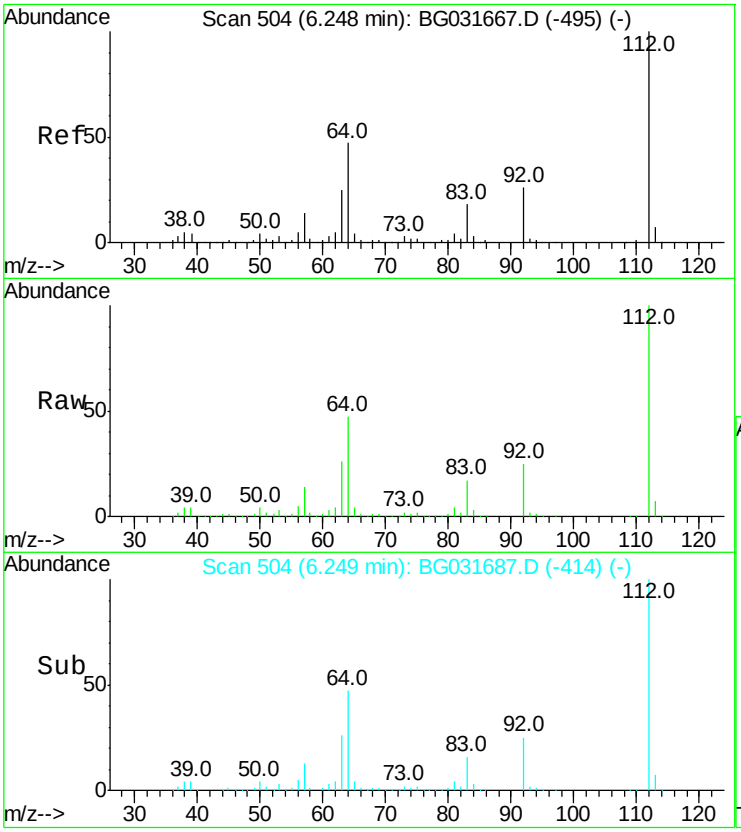



#4
n-Nitrosodimethylamine
Concen: 41.017 ng
RT: 4.25 min Scan# 164
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 42 Resp: 48997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 146.0 | 102.5 | 153.7 |
| 44 | 7.6 | 18.9 | 28.3# |

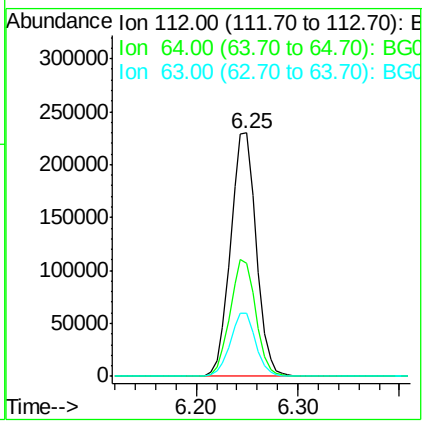





#5
2-Fluorophenol
Concen: 135.218 ng
RT: 6.25 min Scan# 504
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:112 Resp: 403979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 46.6 | 56.3 | 84.5# |
| 63 | 25.9 | 30.1 | 45.1# |

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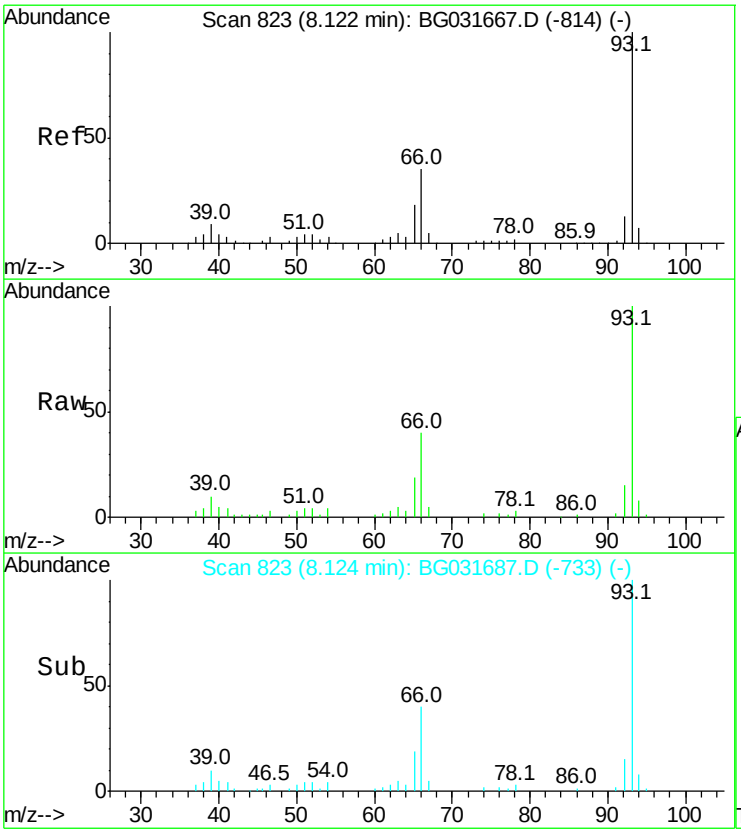
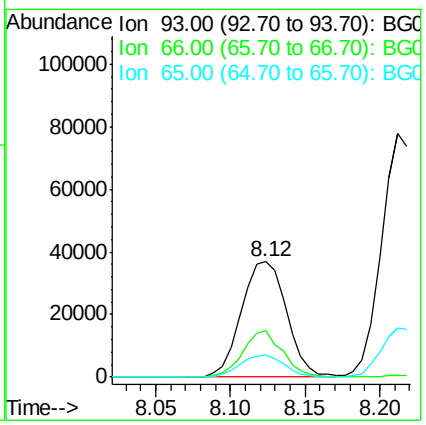
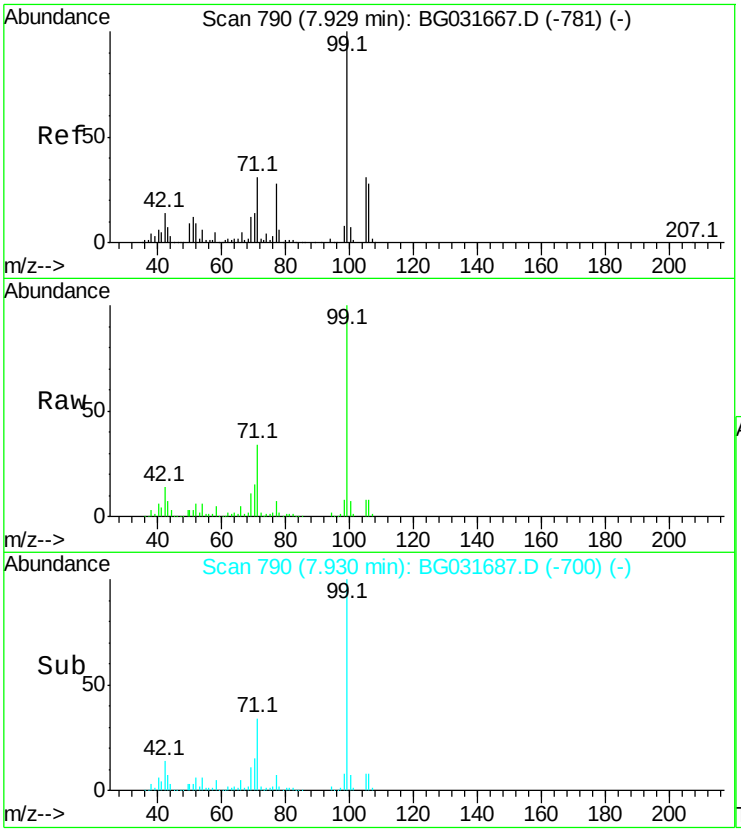



#6
Aniline
Concen: 15.554 ng
RT: 8.12 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 93 Resp: 77622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.3 | 33.7 | 50.5 |
| 65 | 19.0 | 16.1 | 24.1 |






#7
Phenol-d6
Concen: 126.686 ng
RT: 7.93 min Scan# 790
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 99 Resp: 491405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.8 | 14.1 | 21.1# |
| 71 | 33.9 | 26.1 | 39.1 |

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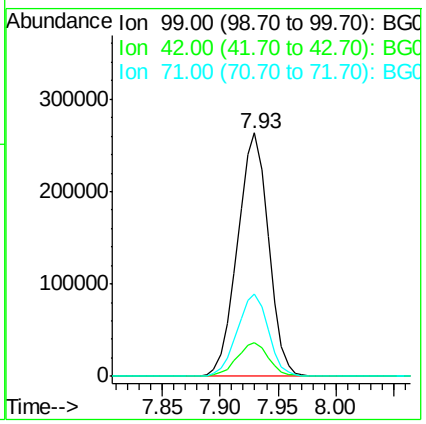
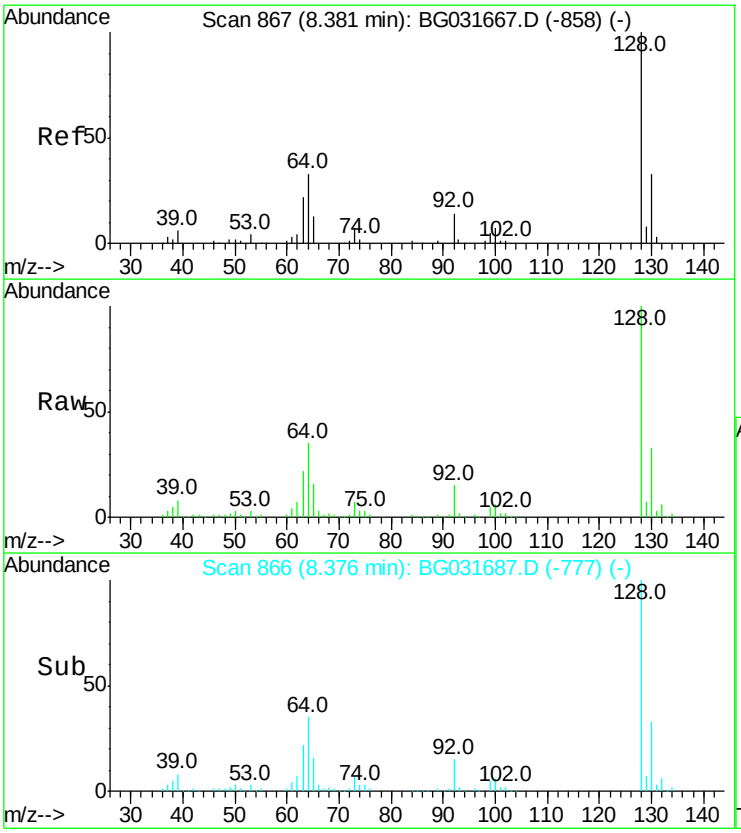
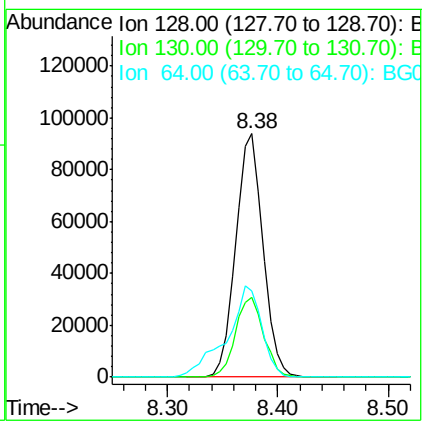


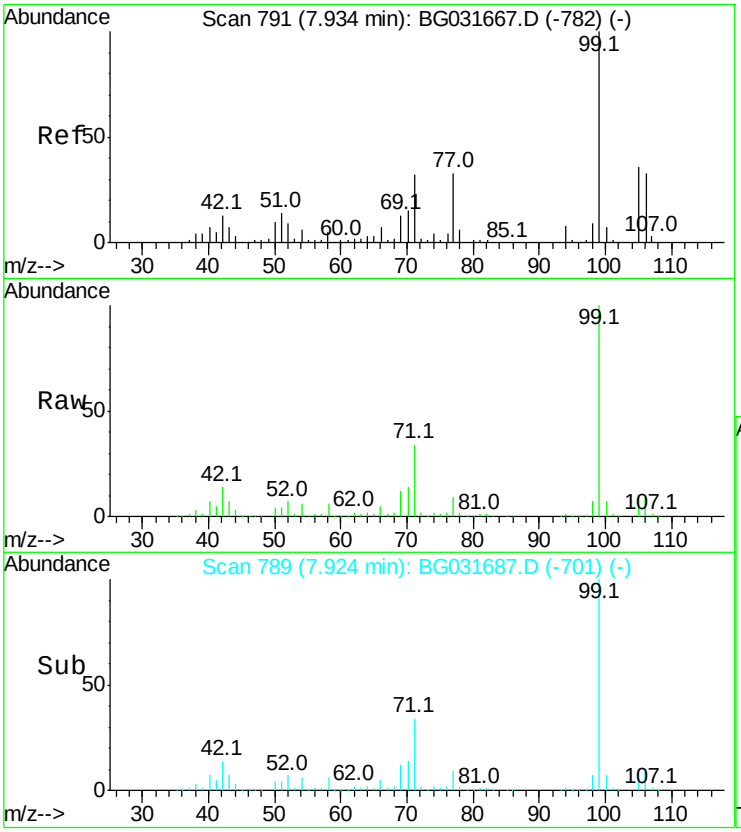




#8
2-Chlorophenol
Concen: 47.098 ng
RT: 8.38 min Scan# 866
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:128 Resp: 163222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 14.0 | 54.0 |
| 64 | 35.3 | 37.7 | 77.7# |

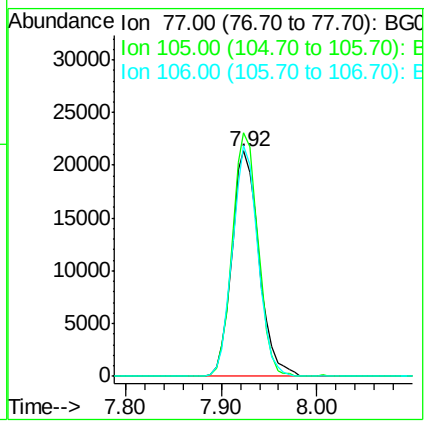





#9
Benzaldehyde
Concen: 17.953 ng m
RT: 7.92 min Scan# 789
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 77 Resp: 41932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 108.0 | 71.3 | 111.3 |
| 106 | 102.7 | 64.2 | 104.2 |

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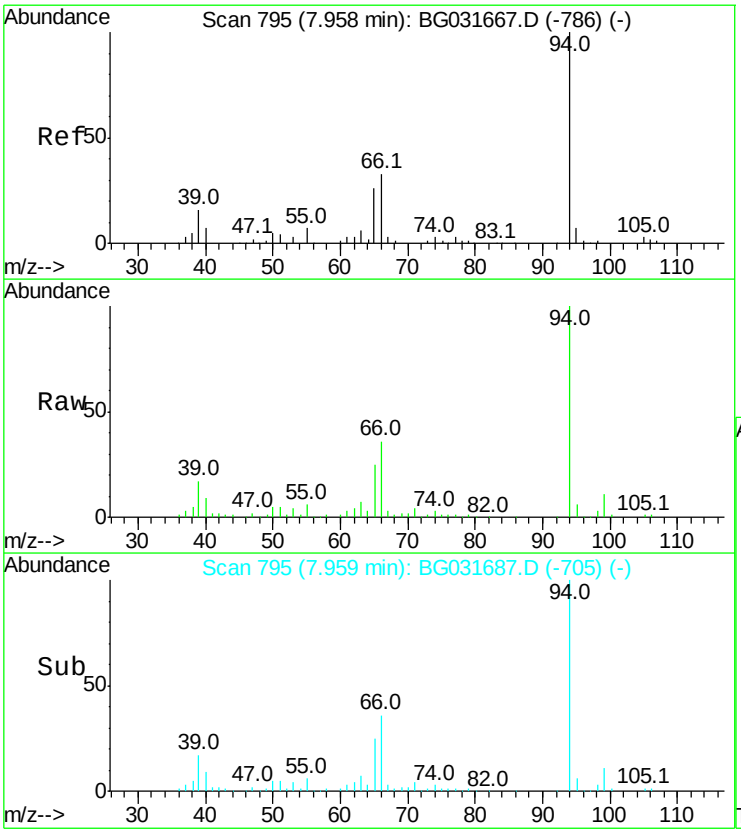
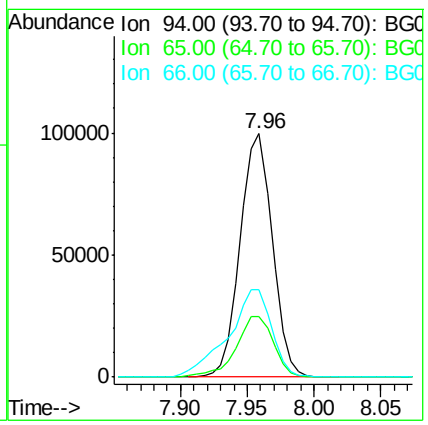
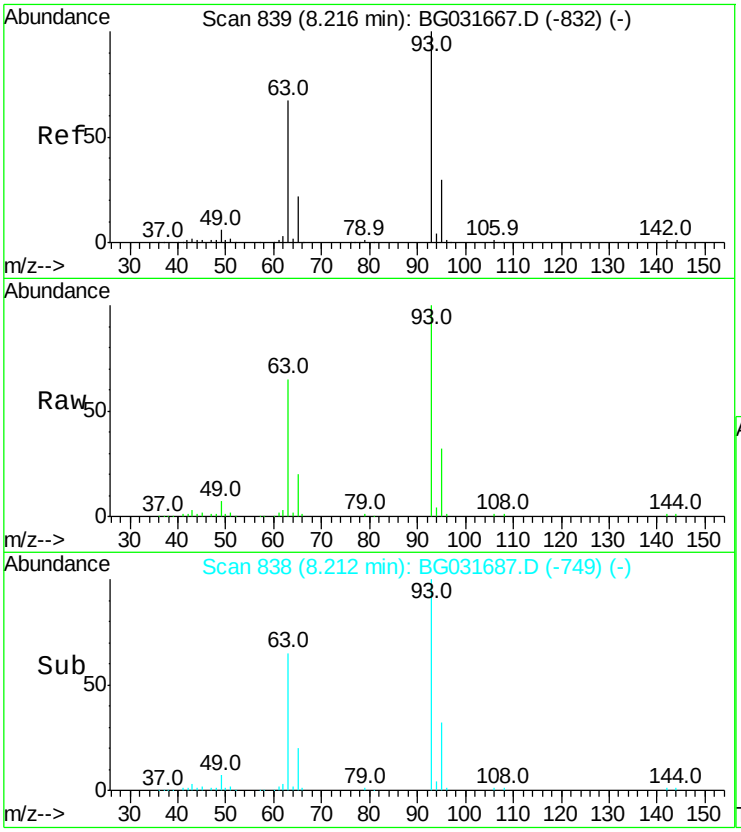



#10
Phenol
Concen: 42.566 ng
RT: 7.96 min Scan# 795
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 94 Resp: 166695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.1 | 11.9 | 51.9 |
| 66 | 35.9 | 22.2 | 62.2 |

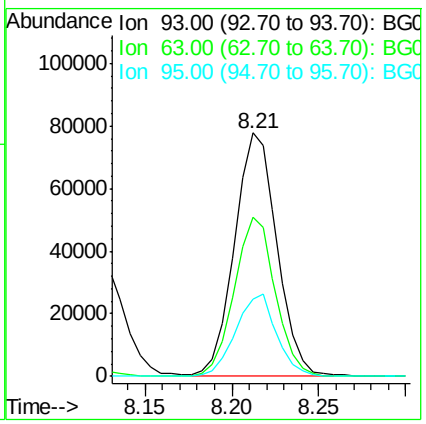





#11
bis(2-Chloroethyl)ether
Concen: 41.049 ng m
RT: 8.21 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 93 Resp: 133504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 65.2 | 67.1 | 107.1# |
| 95 | 31.9 | 11.5 | 51.5 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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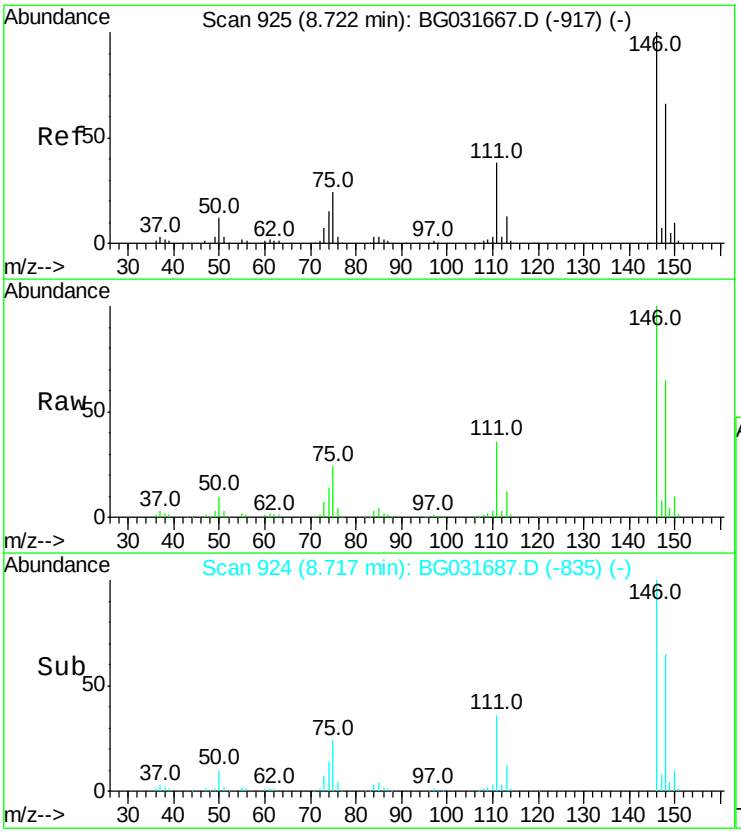
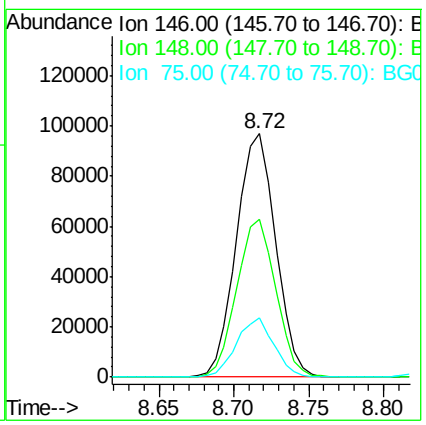
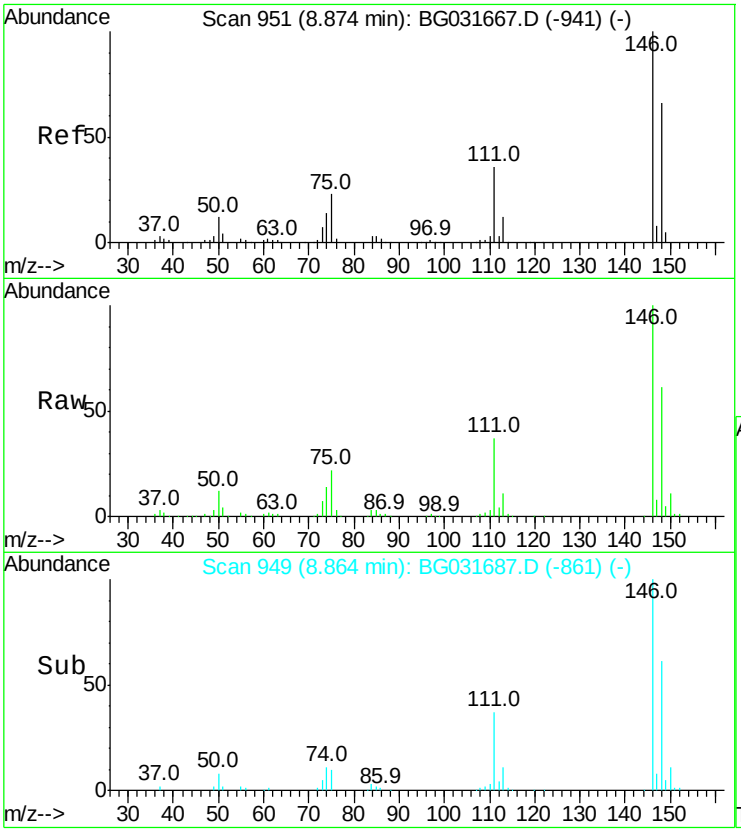



#12
1,3-Dichlorobenzene
Concen: 40.912 ng m
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:146 Resp: 176072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.4 | 77.2 |
| 75 | 24.1 | 26.6 | 39.8# |

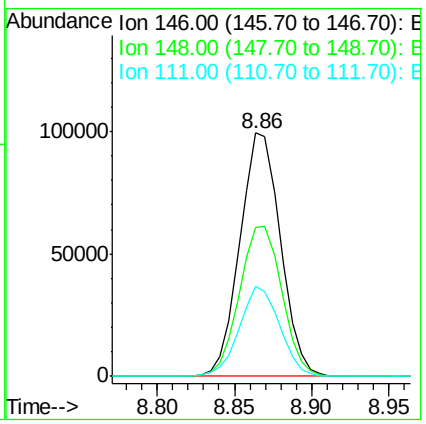





#13
1,4-Dichlorobenzene
Concen: 41.005 ng m
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:146 Resp: 180267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.0 | 53.7 | 80.5 |
| 111 | 36.8 | 35.2 | 52.8 |




**Instrument :**
BNA_G
**ClientSampleId :**
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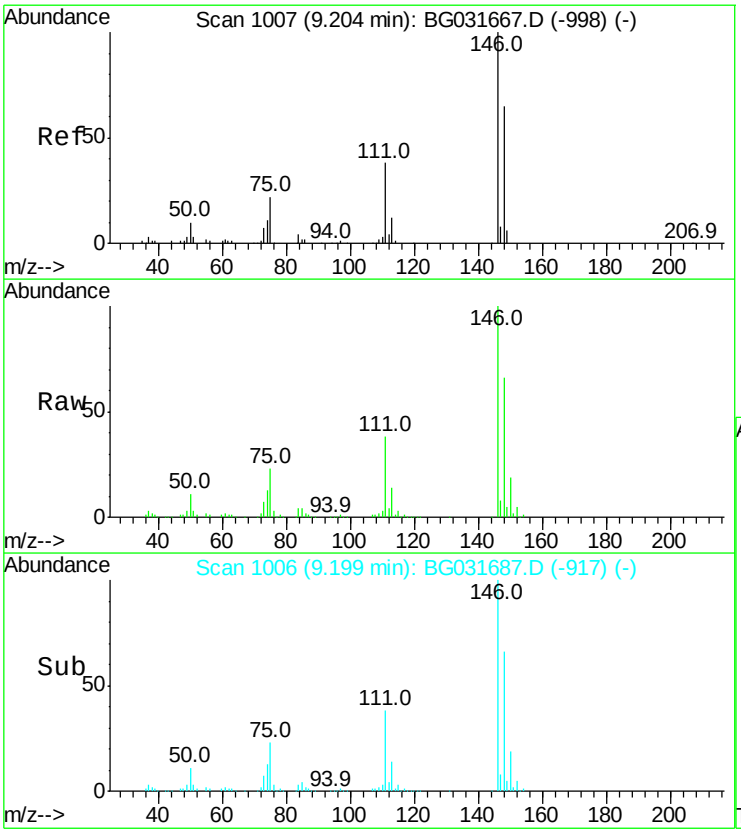
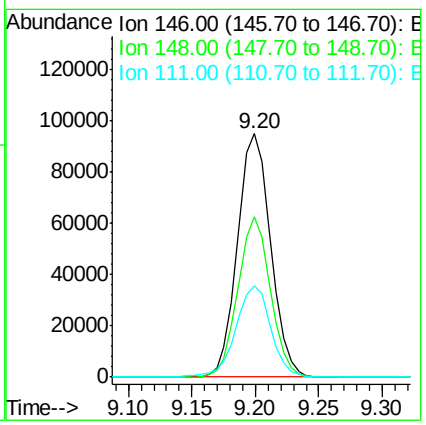
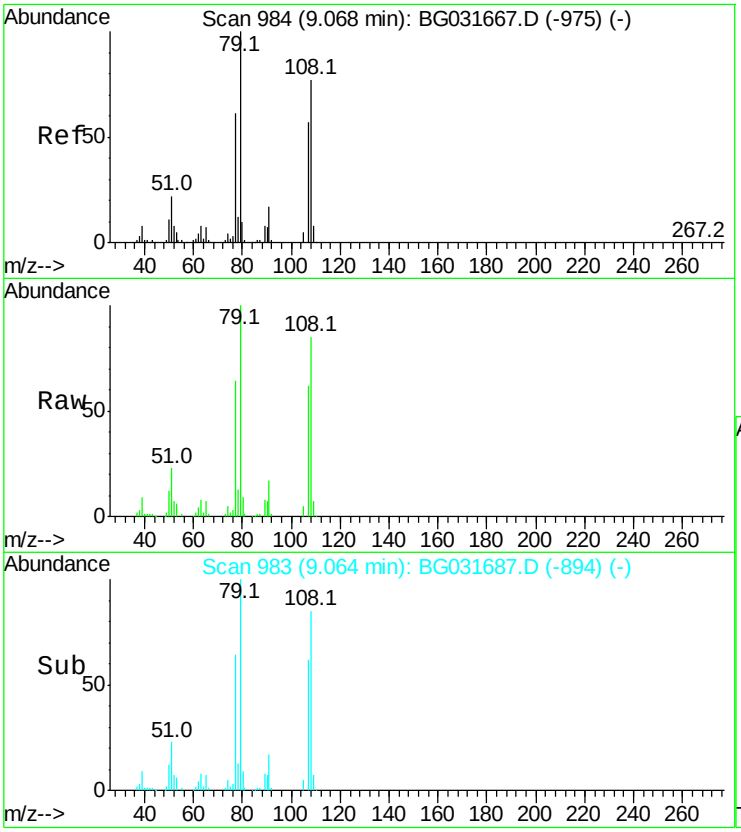



#14
1,2-Dichlorobenzene
Concen: 41.506 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:146 Resp: 172896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 49.3 | 73.9 |
| 111 | 37.6 | 34.3 | 51.5 |

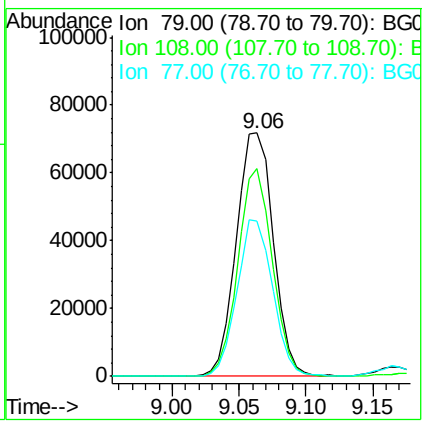





#15
Benzyl Alcohol
Concen: 47.397 ng
RT: 9.06 min Scan# 983
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 79 Resp: 138014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 85.3 | 57.2 | 85.8 |
| 77 | 63.7 | 46.1 | 69.1 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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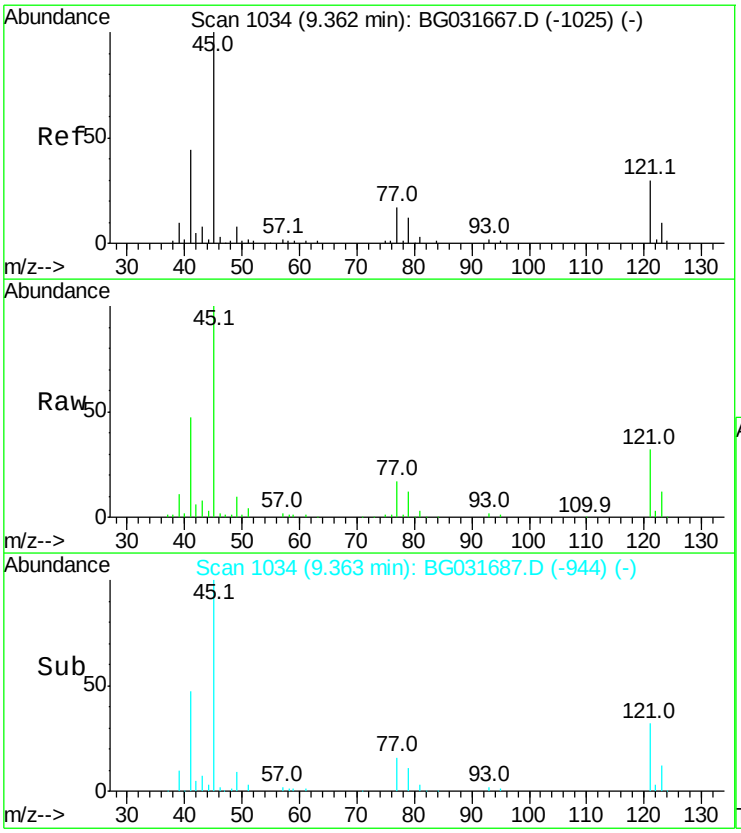
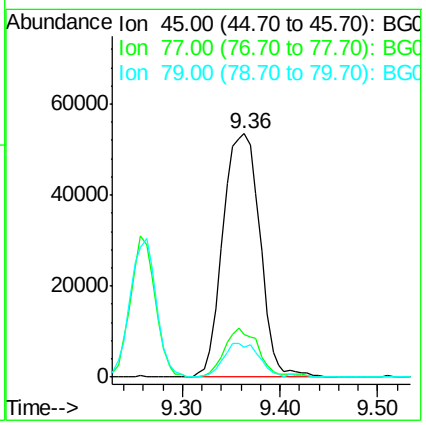
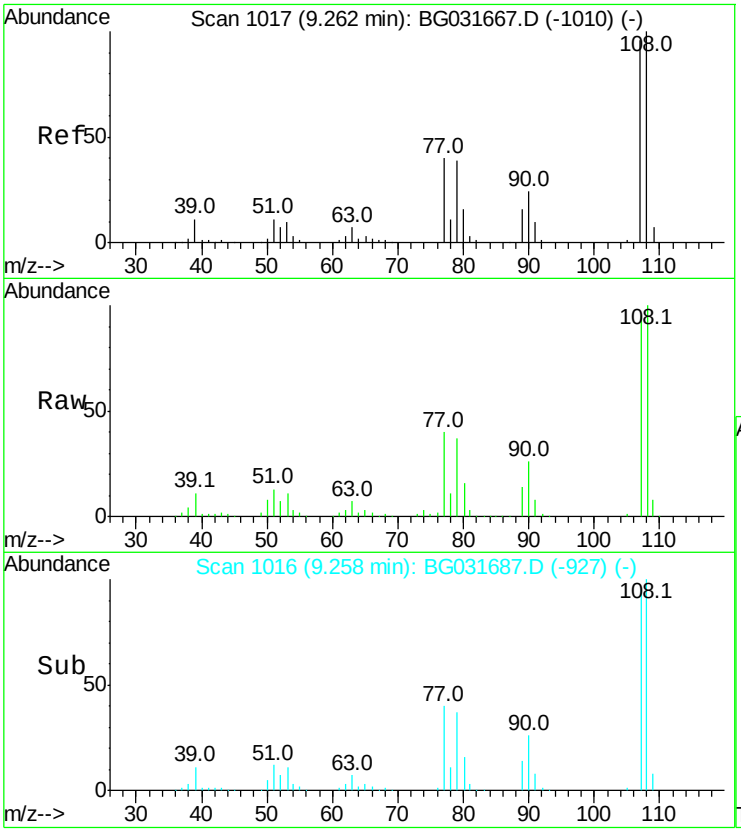



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.990 ng
RT: 9.36 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 45 Resp: 140348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.4 | 0.0 | 30.2 |
| 79 | 12.5 | 0.0 | 27.9 |

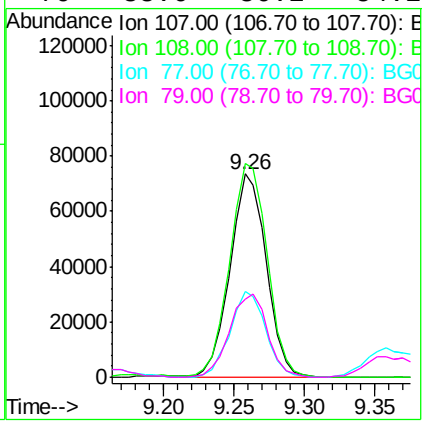





#17
2-Methylphenol
Concen: 47.072 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:107 Resp: 131900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 105.0 | 83.9 | 125.9 |
| 77 | 42.1 | 37.2 | 55.8 |
| 79 | 38.6 | 36.2 | 54.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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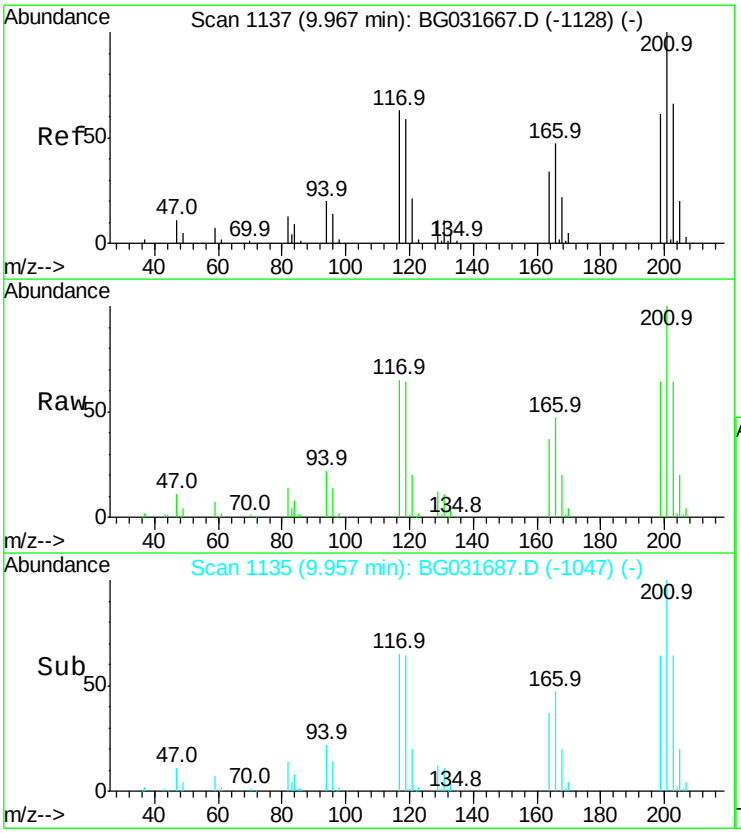
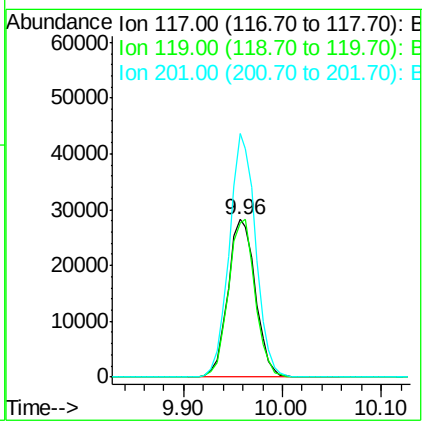
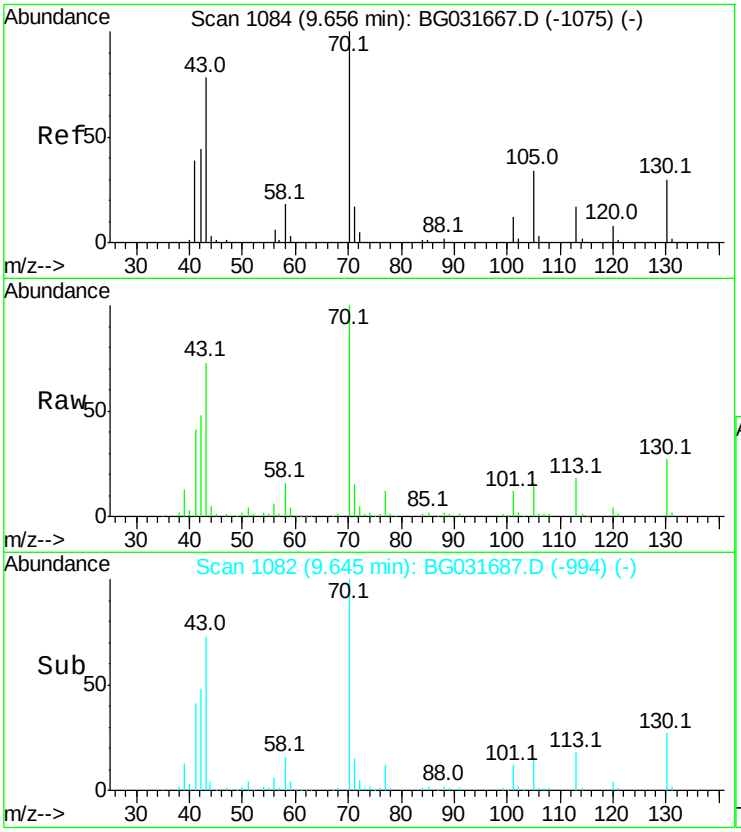



#18
Hexachloroethane
Concen: 41.208 ng m
RT: 9.96 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:117 Resp: 54868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.2 | 76.7 | 115.1 |
| 201 | 154.6 | 95.7 | 143.5# |

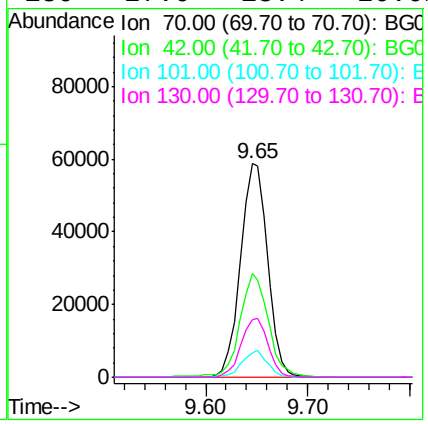





#19
n-Nitroso-di-n-propylamine
Concen: 40.981 ng m
RT: 9.65 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 70 Resp: 108562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.3 | 49.1 | 73.7# |
| 101 | 11.7 | 8.5 | 12.7 |
| 130 | 27.0 | 13.4 | 20.0# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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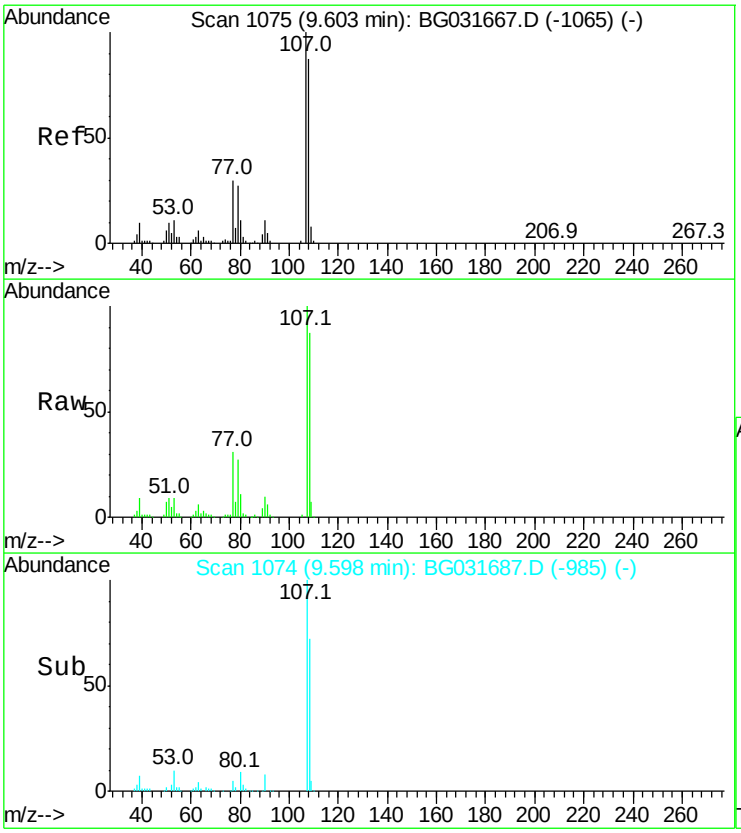
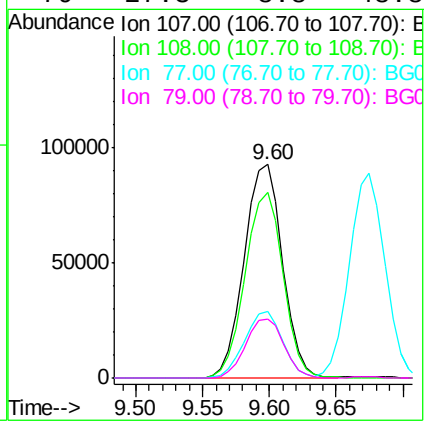
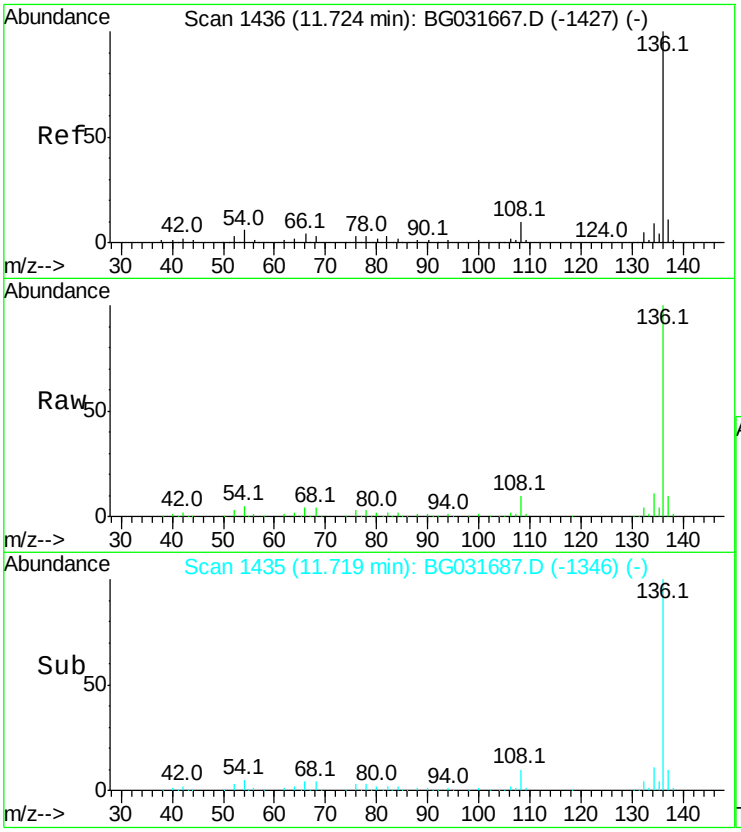



#20
3+4-Methylphenols
Concen: 46.220 ng
RT: 9.60 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:107 Resp: 184071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.1 | 61.6 | 101.6 |
| 77 | 30.9 | 13.9 | 53.9 |
| 79 | 27.3 | 8.8 | 48.8 |

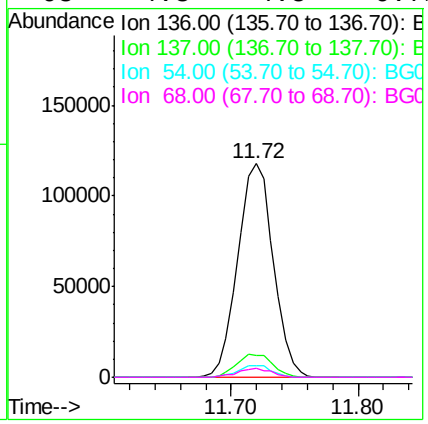





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:136 Resp: 228393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 9.2 | 13.8 |
| 54 | 5.4 | 10.3 | 15.5# |
| 68 | 4.3 | 4.5 | 6.7# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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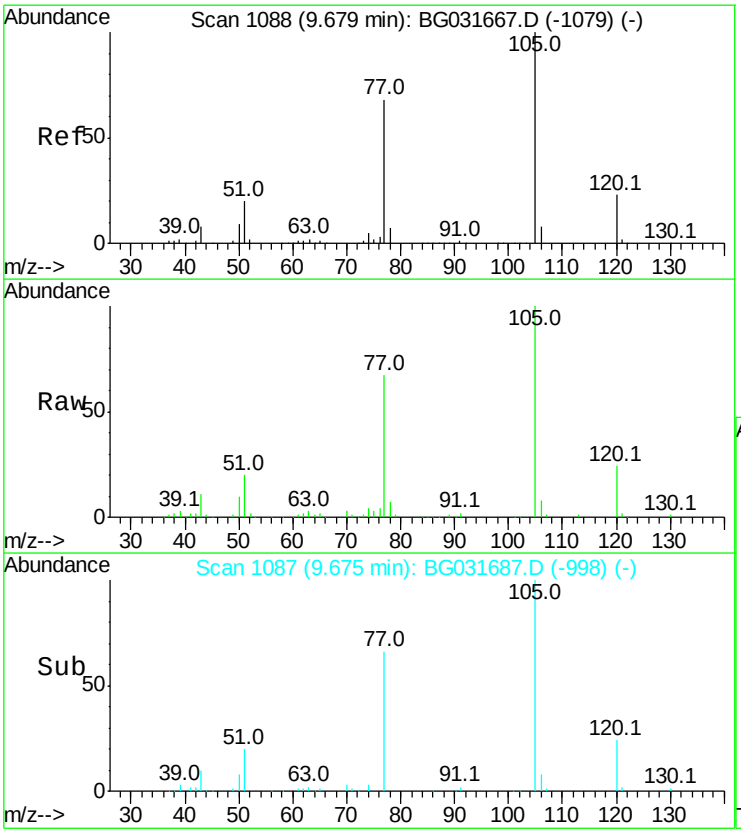
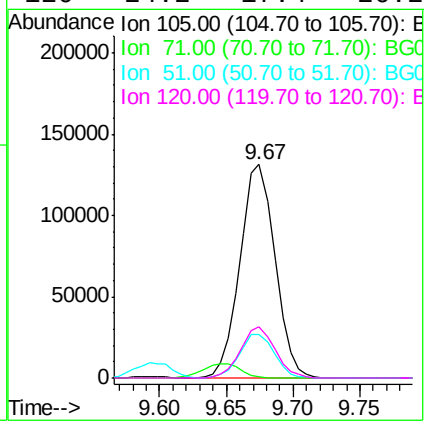
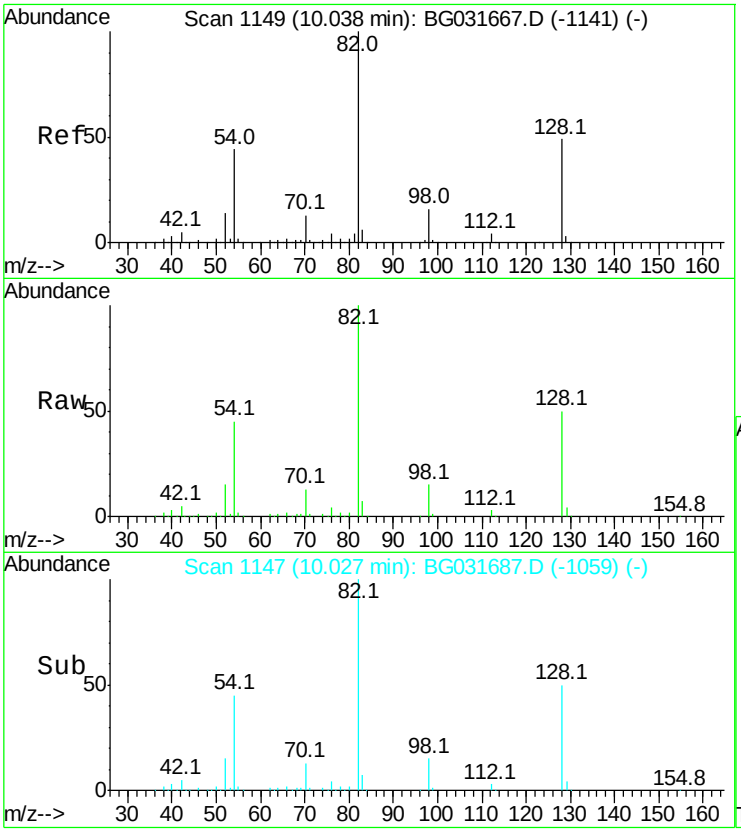



#22
Acetophenone
Concen: 45.121 ng
RT: 9.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:105 Resp: 239425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 0.5 | 3.0 | 4.4# |
| 51 | 20.4 | 26.1 | 39.1# |
| 120 | 24.2 | 17.4 | 26.2 |

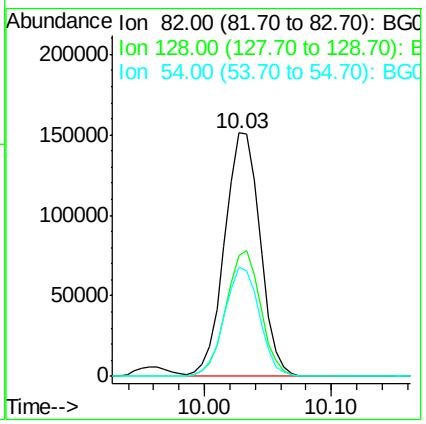





#23
Nitrobenzene-d5
Concen: 96.993 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 82 Resp: 293364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.8 | 29.7 | 44.5# |
| 54 | 44.7 | 43.1 | 64.7 |




**Instrument :**
BNA_G
**ClientSampleId :**
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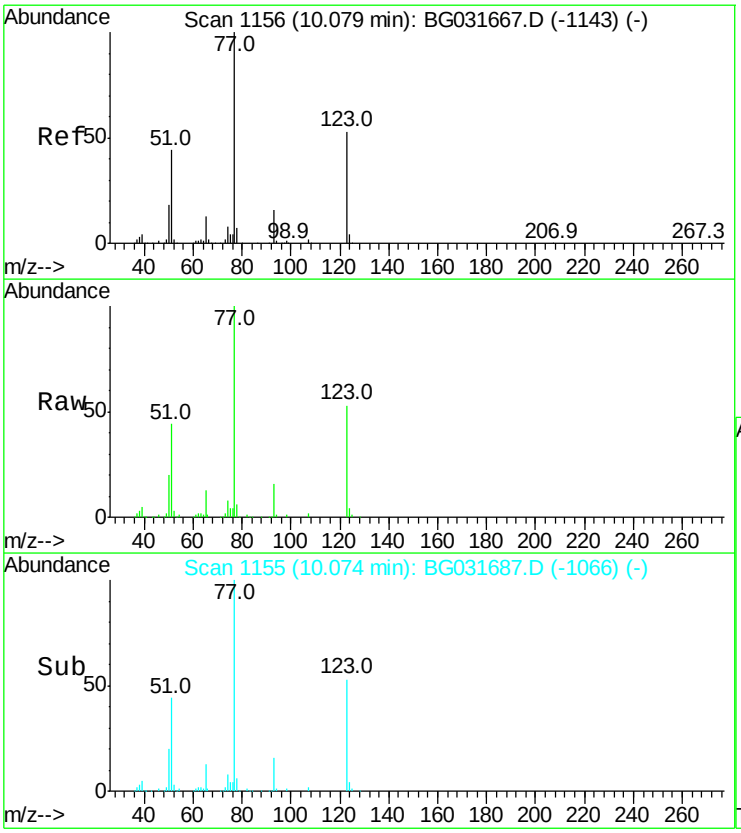
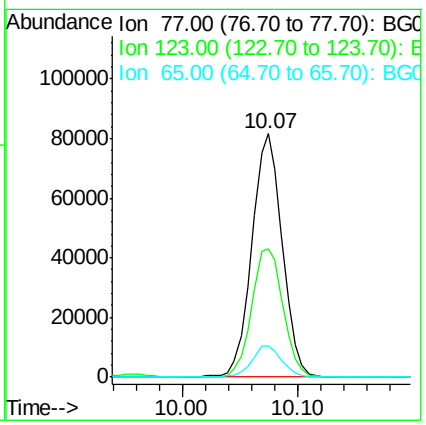
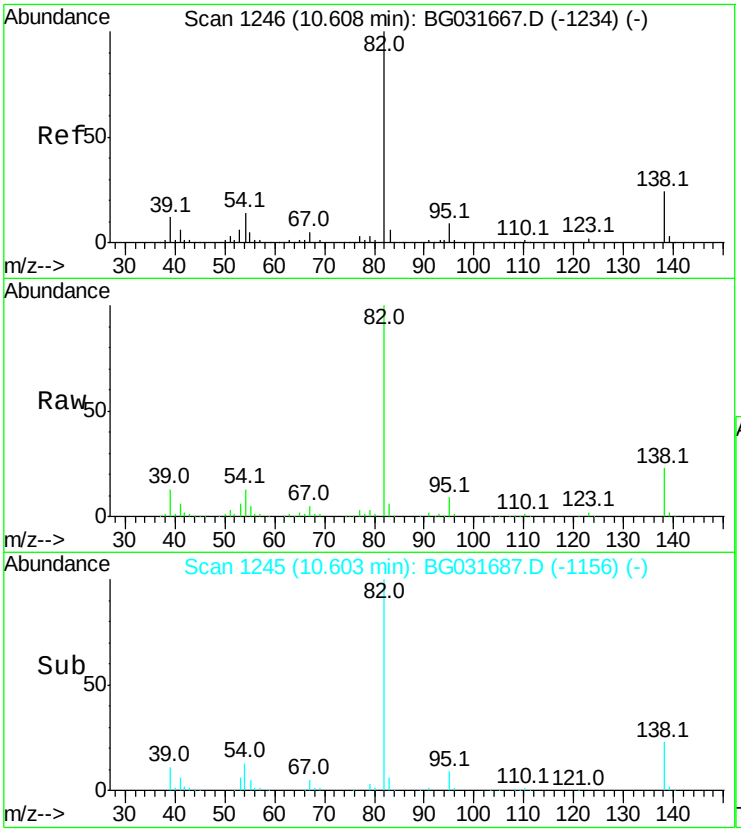



#24
Nitrobenzene
Concen: 47.896 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 77 Resp: 149303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 52.7 | 33.0 | 49.6# |
| 65 | 12.8 | 13.0 | 19.6# |






#25
Isophorone
Concen: 47.247 ng
RT: 10.60 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 82 Resp: 307628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.6 | 6.2 | 9.2 |
| 138 | 23.2 | 12.1 | 18.1# |

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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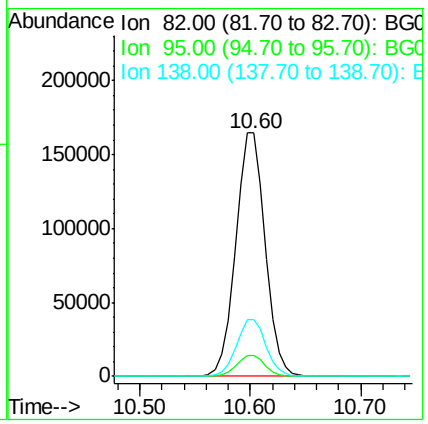
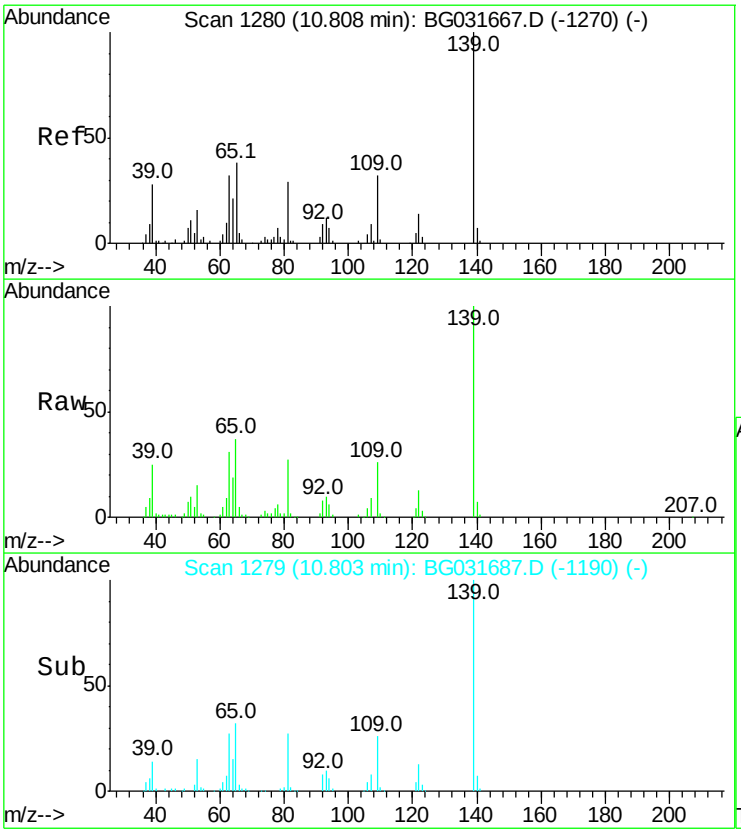
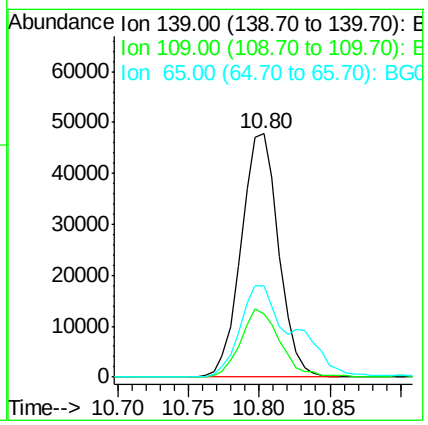


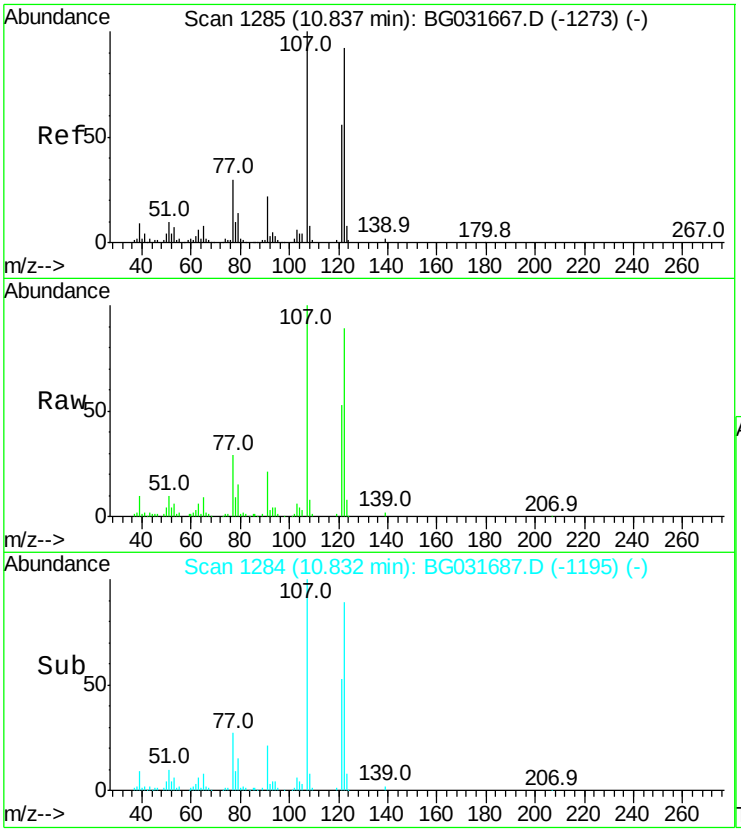




#26
2-Nitrophenol
Concen: 54.271 ng
RT: 10.80 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:139 Resp: 88702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 25.9 | 24.2 | 36.2 |
| 65 | 37.4 | 47.4 | 71.0# |

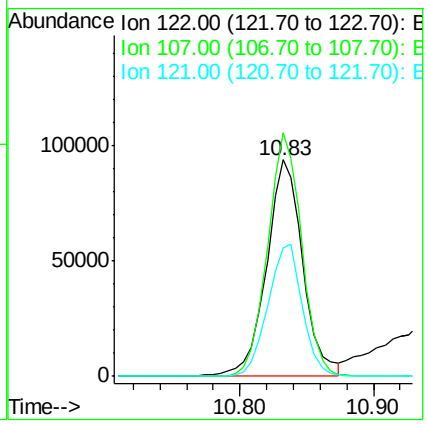





#27
2,4-Dimethylphenol
Concen: 51.774 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:122 Resp: 178065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.6 | 100.2 | 150.2 |
| 121 | 59.6 | 44.4 | 66.6 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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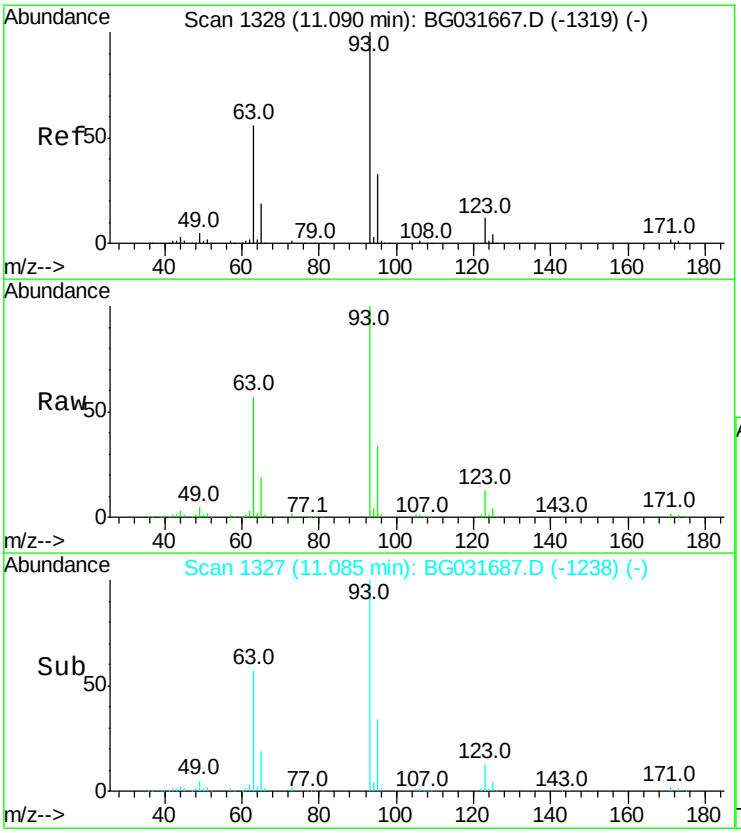
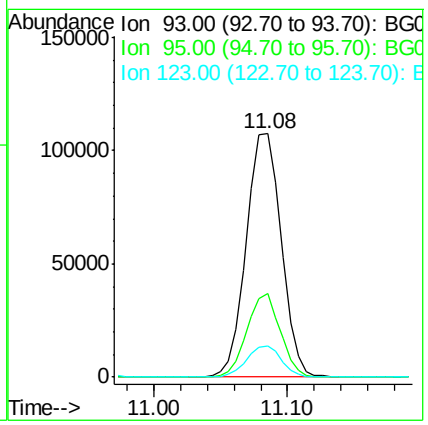
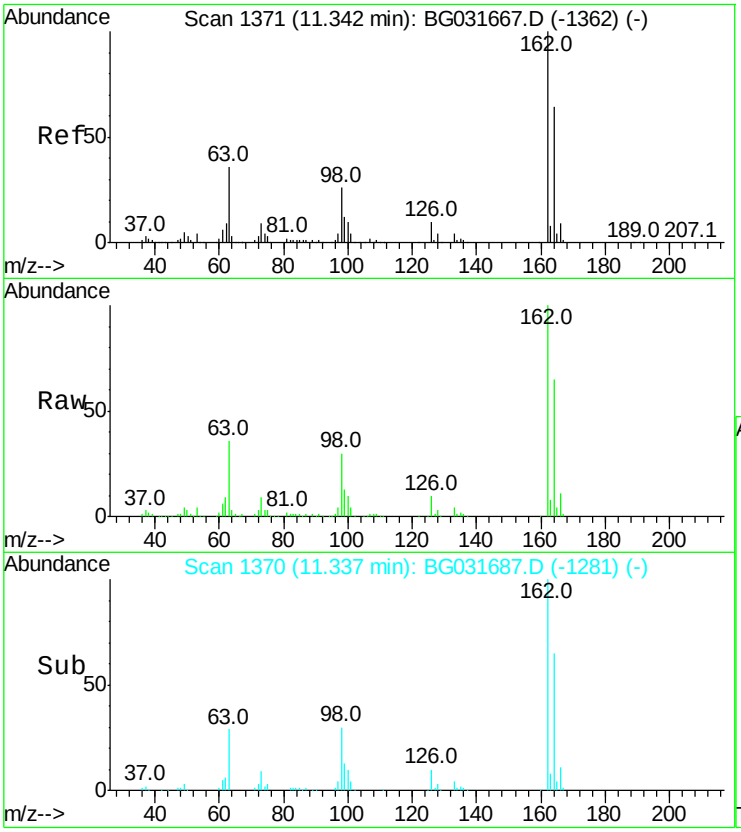



#28
bis(2-Chloroethoxy)methane
Concen: 44.583 ng
RT: 11.08 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 93 Resp: 194776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 34.2 | 24.3 | 36.5 |
| 123 | 13.0 | 8.4 | 12.6# |

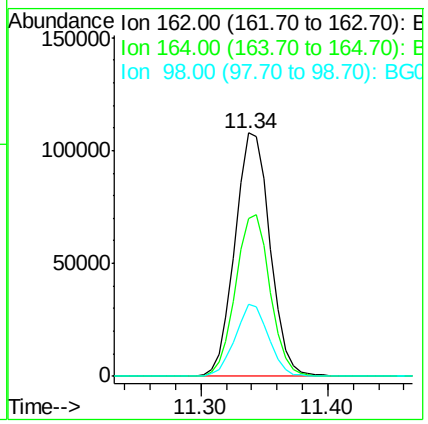





#29
2,4-Dichlorophenol
Concen: 51.095 ng
RT: 11.34 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:162 Resp: 206303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 48.0 | 88.0 |
| 98 | 29.6 | 21.1 | 61.1 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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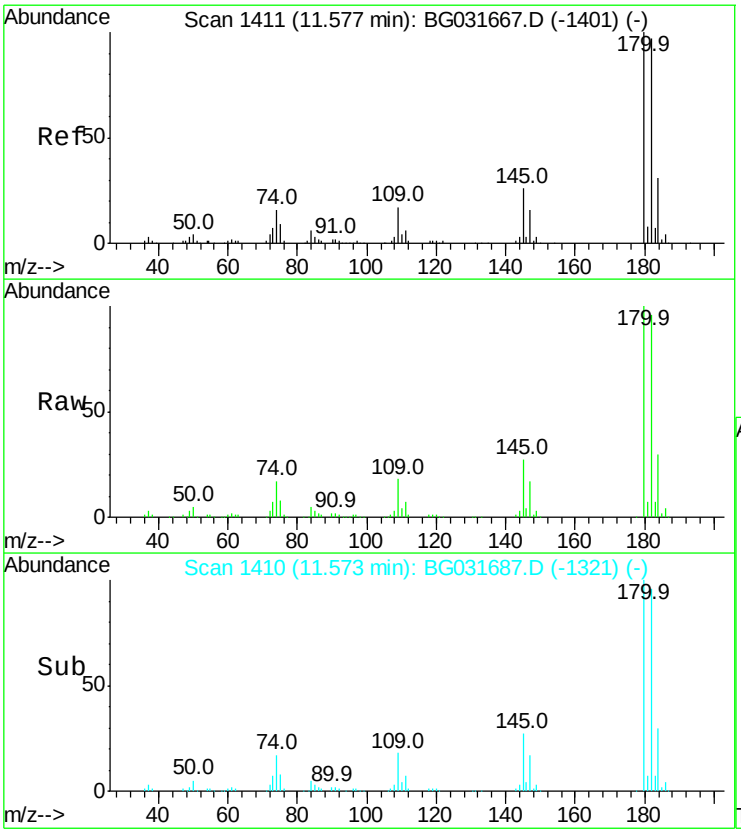
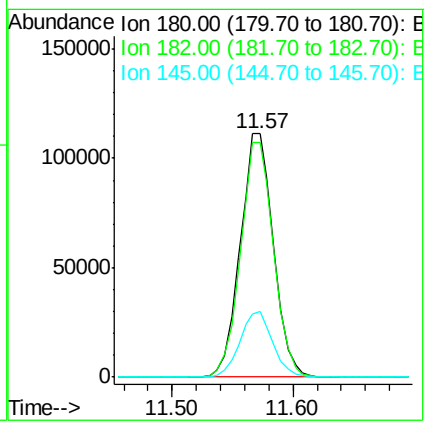
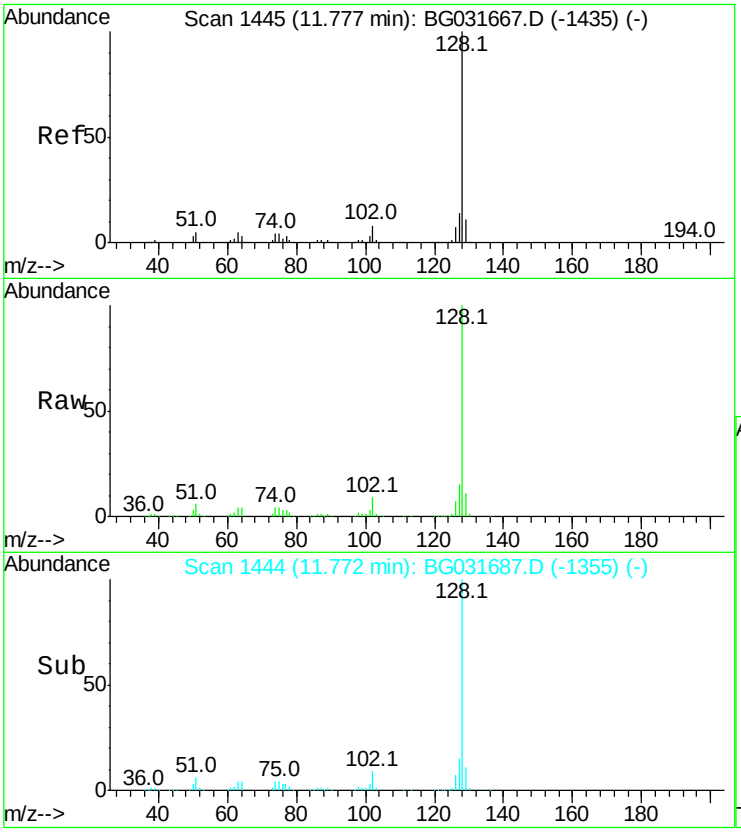



#30
1,2,4-Trichlorobenzene
Concen: 42.950 ng
RT: 11.57 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:180 Resp: 211737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 77.5 | 116.3 |
| 145 | 27.1 | 23.4 | 35.2 |

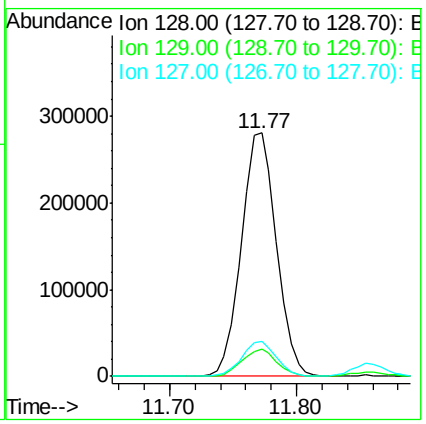





#31
Naphthalene
Concen: 46.657 ng
RT: 11.77 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:128 Resp: 537794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.6 | 12.8 |
| 127 | 14.6 | 11.6 | 17.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
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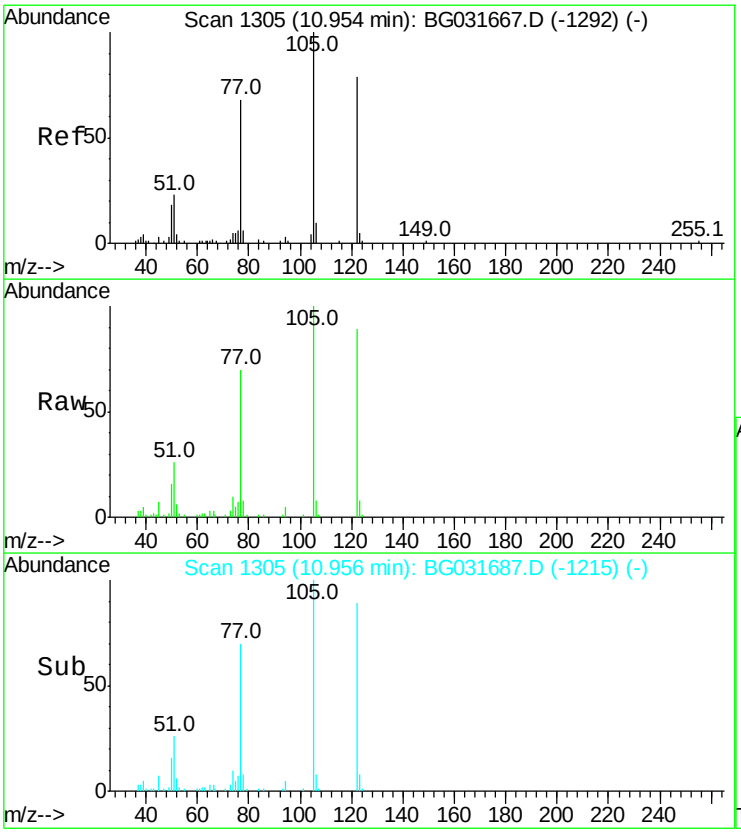
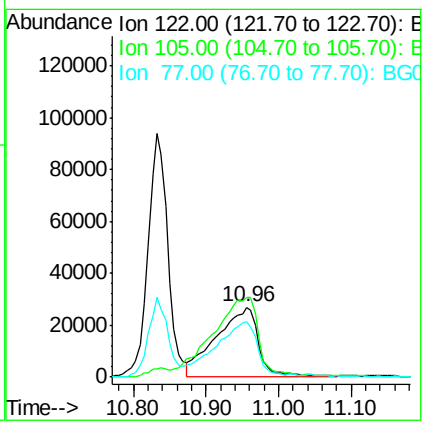
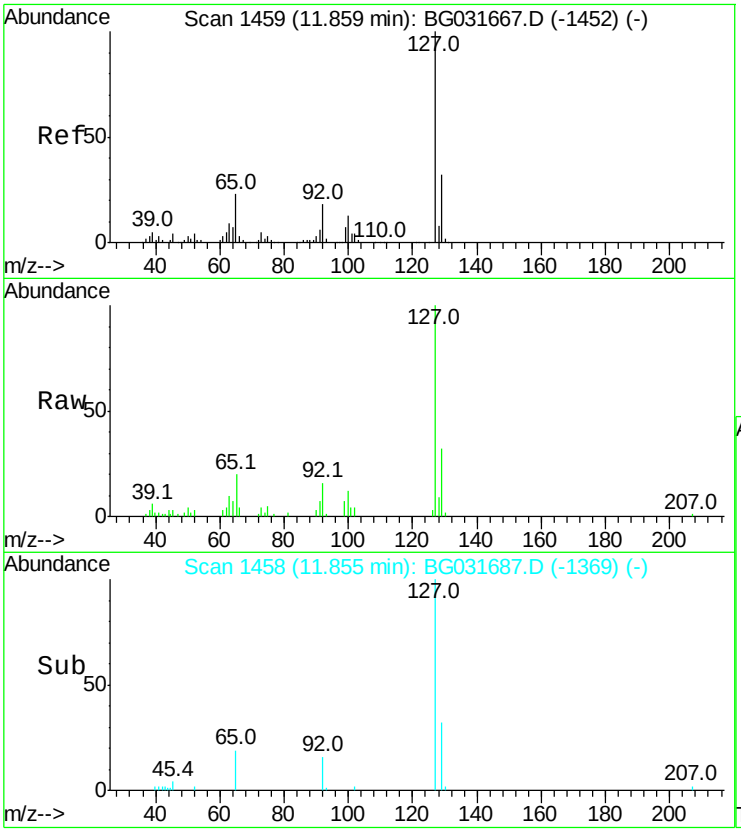



#32
Benzoic acid
Concen: 47.292 ng
RT: 10.96 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:122 Resp: 110647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 112.9 | 123.5 | 163.5# |
| 77 | 79.4 | 85.7 | 125.7# |

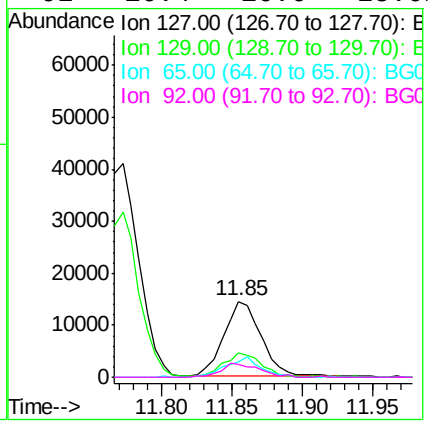





#33
4-Chloroaniline
Concen: 5.206 ng
RT: 11.85 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:127 Resp: 26716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 24.0 | 36.0 |
| 65 | 20.4 | 27.0 | 40.4# |
| 92 | 16.4 | 16.6 | 25.0# |




**Instrument :**
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**ClientSampleId :**
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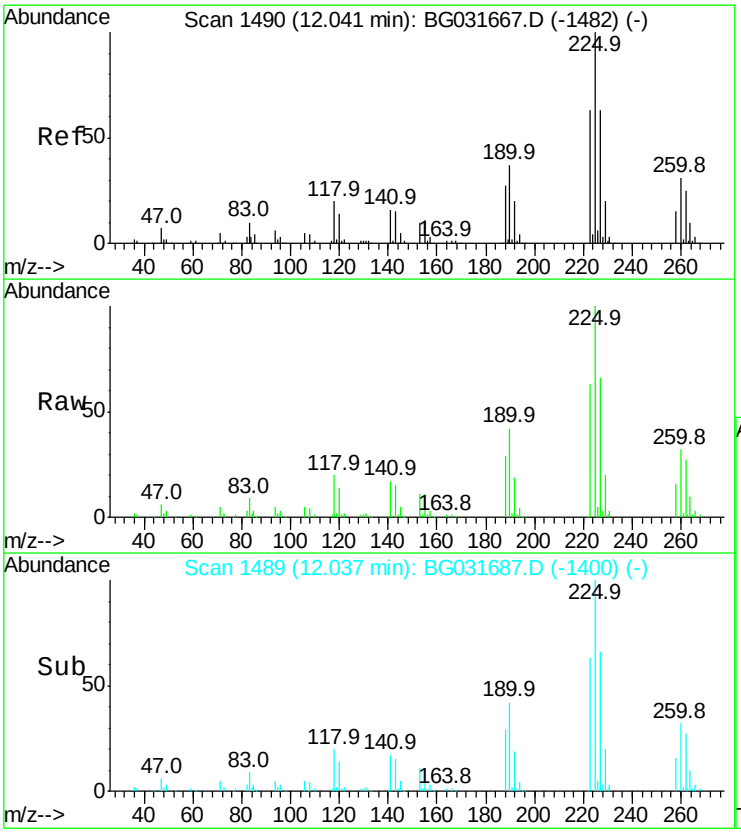
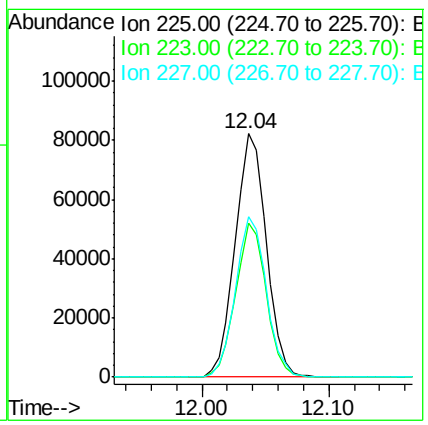
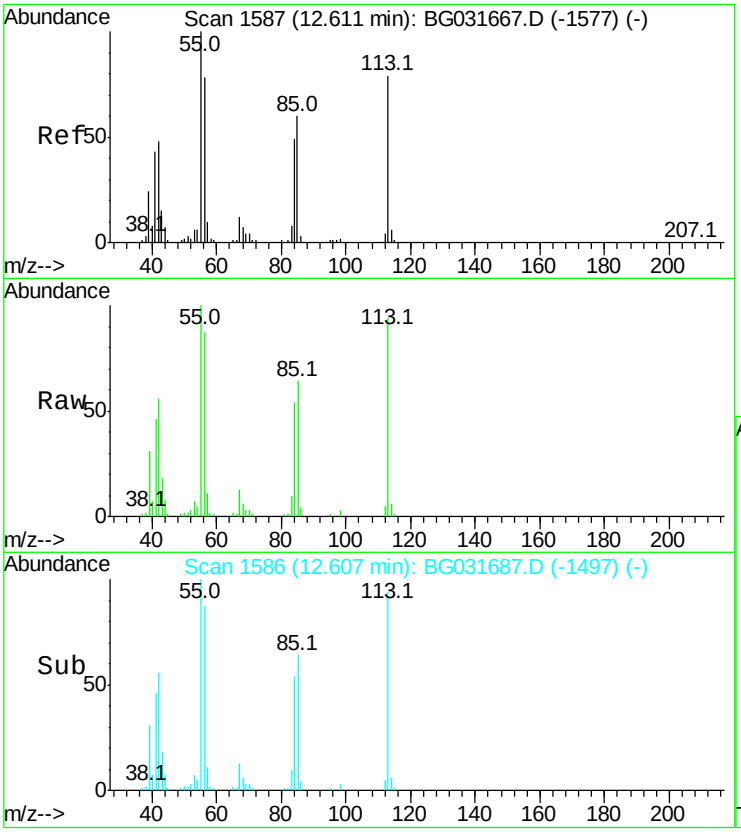



#34
Hexachlorobutadiene
Concen: 41.299 ng
RT: 12.04 min Scan# 1489
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:225 Resp: 139776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 49.7 | 74.5 |
| 227 | 66.1 | 48.1 | 72.1 |

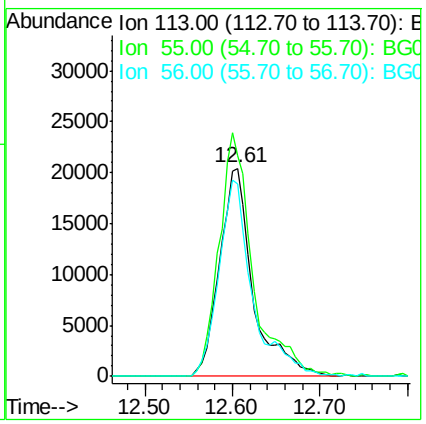





#35
Caprolactam
Concen: 43.873 ng
RT: 12.61 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:113 Resp: 53695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 106.2 | 186.9 | 226.9# |
| 56 | 92.3 | 130.9 | 170.9# |




**Instrument :**
BNA_G
**ClientSampleId :**
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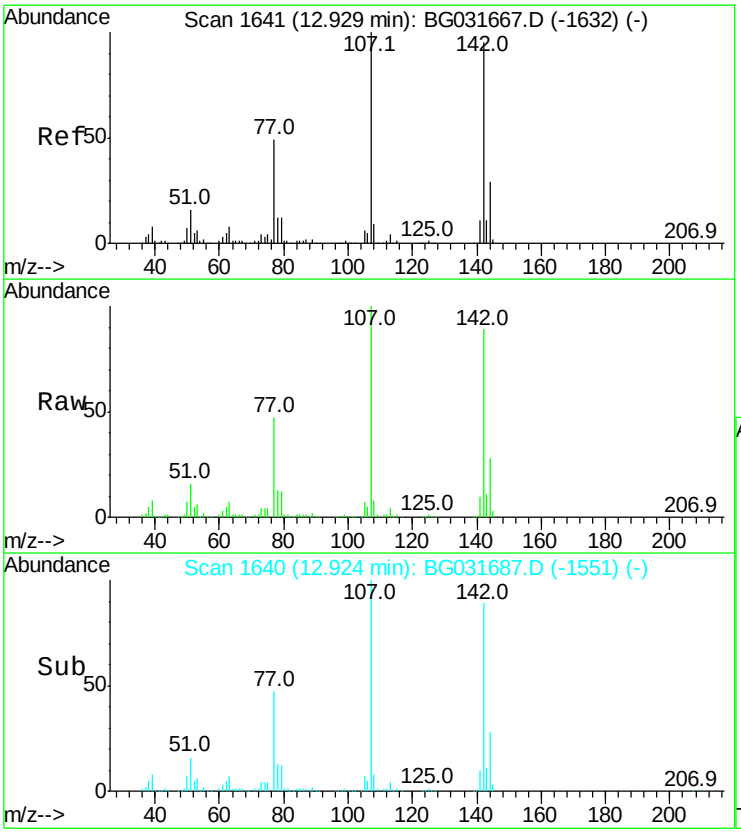
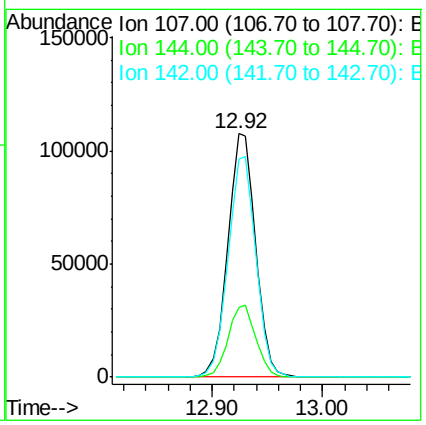
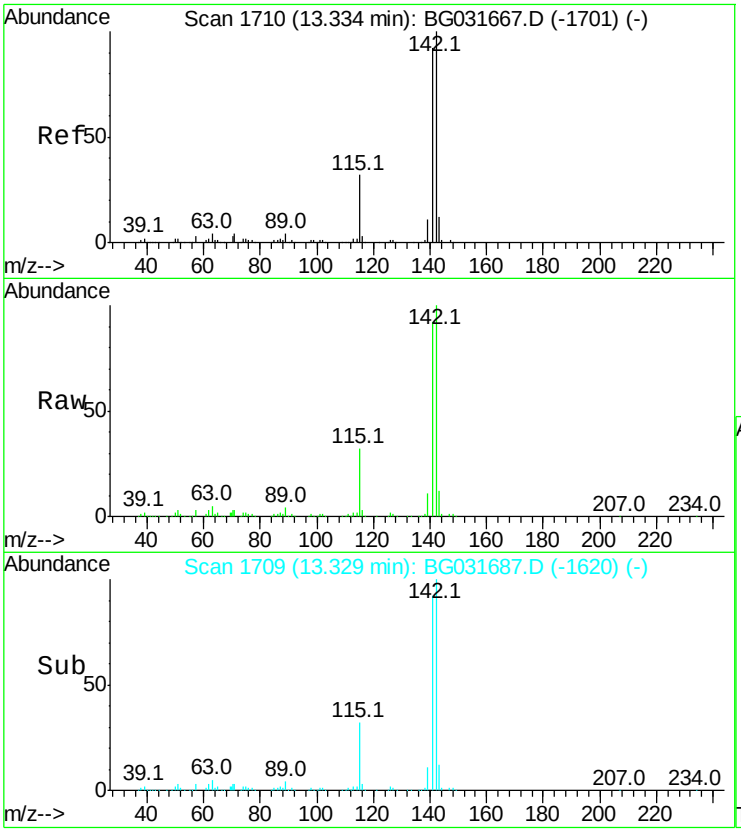



#36
4-Chloro-3-methylphenol
Concen: 50.944 ng
RT: 12.92 min Scan# 1640
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:107 Resp: 189969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.5 | 18.2 | 27.4# |
| 142 | 89.4 | 59.0 | 88.4# |

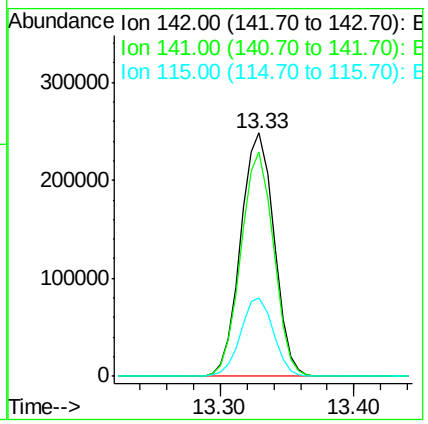





#37
2-Methylnaphthalene
Concen: 45.942 ng
RT: 13.33 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:142 Resp: 429288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 67.1 | 100.7 |
| 115 | 32.1 | 30.7 | 46.1 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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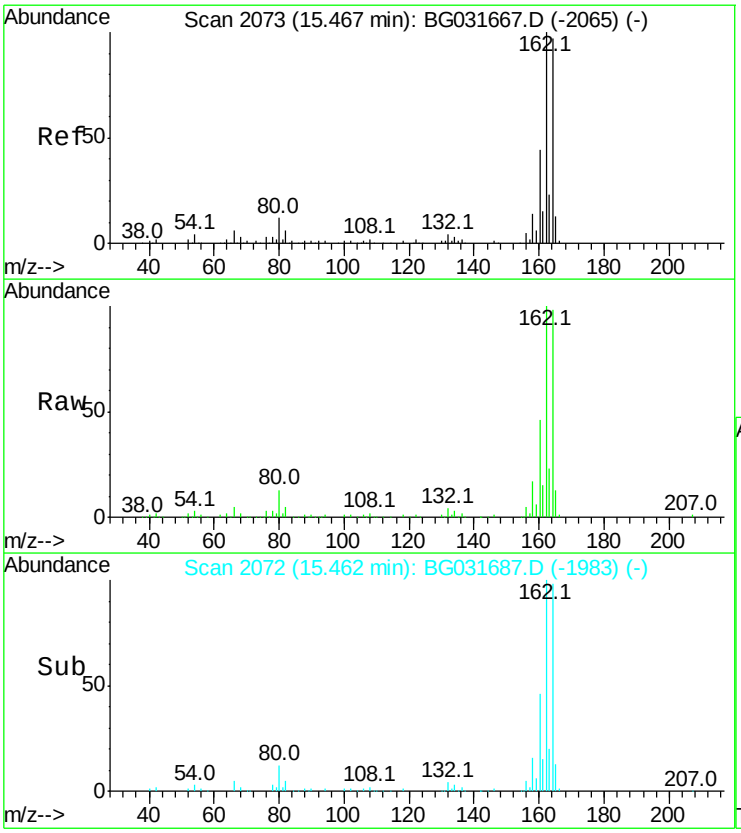
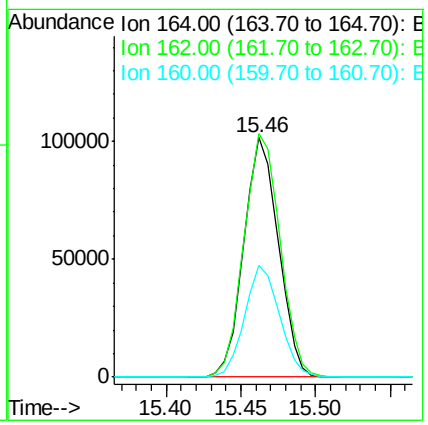
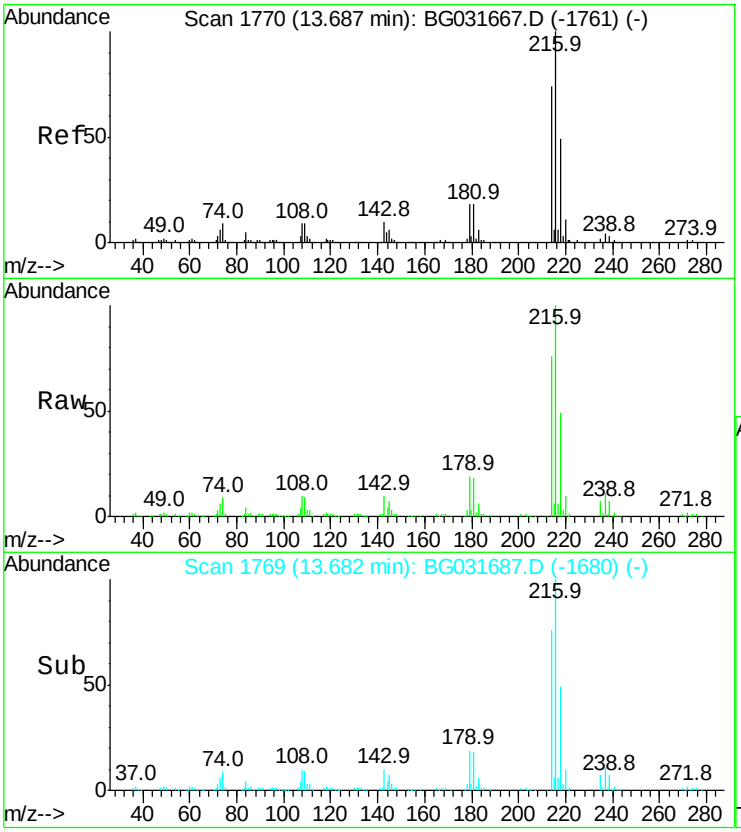



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:164 Resp: 163076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 78.8 | 118.2 |
| 160 | 46.9 | 35.4 | 53.0 |

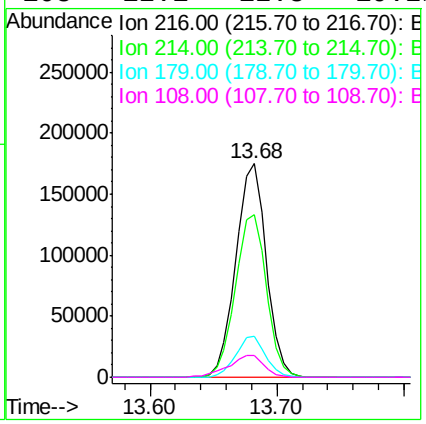





#39
1,2,4,5-Tetrachlorobenzene
Concen: 42.318 ng
RT: 13.68 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:216 Resp: 290679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.8 | 63.0 | 94.4 |
| 179 | 18.5 | 17.0 | 25.6 |
| 108 | 12.1 | 12.8 | 19.2# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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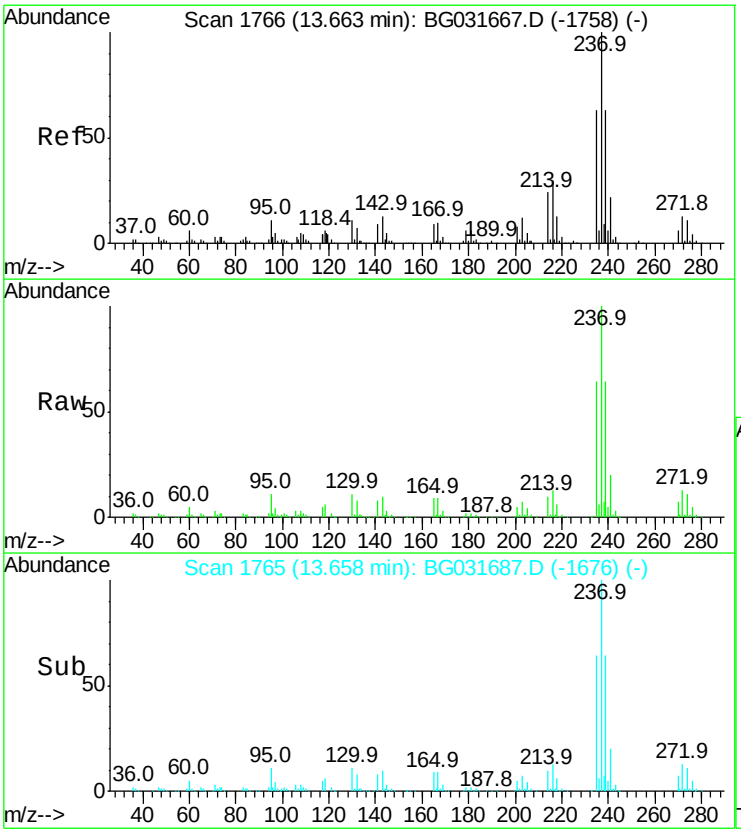
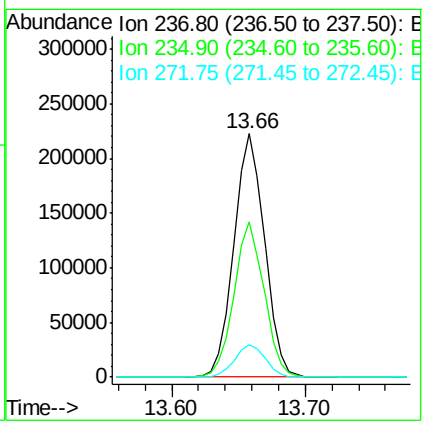
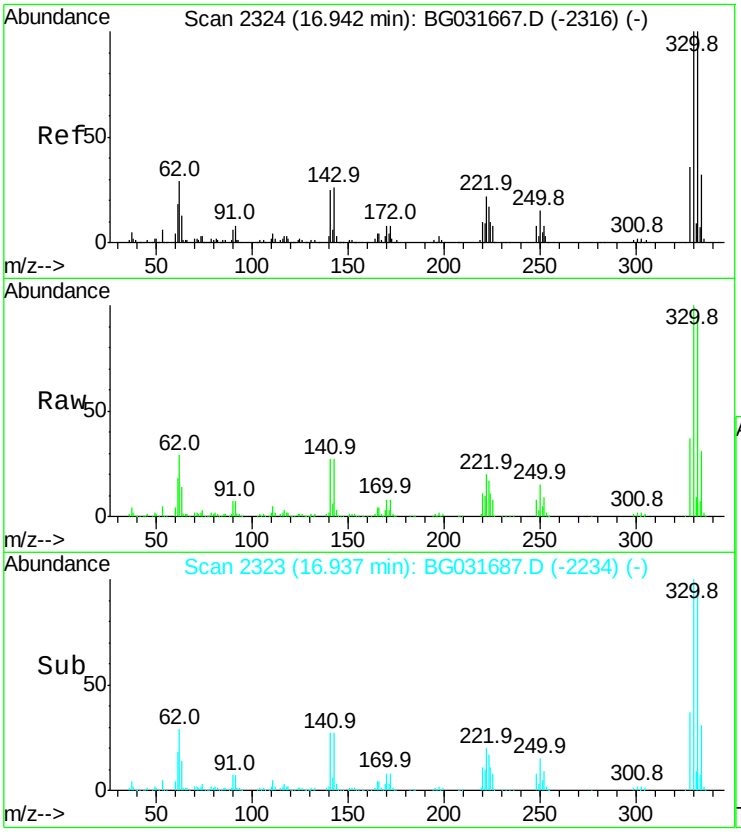



#40
Hexachlorocyclopentadiene
Concen: 97.584 ng
RT: 13.66 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:237 Resp: 353605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.6 | 50.4 | 90.4 |
| 272 | 13.4 | 0.0 | 31.8 |

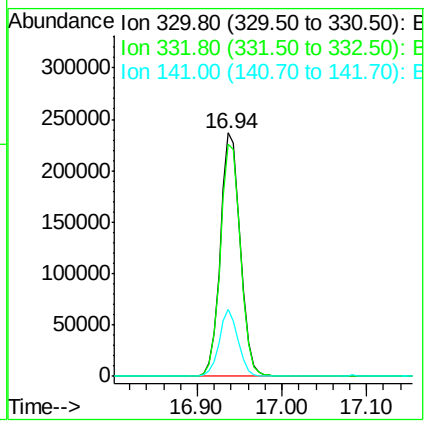





#41
2,4,6-Tribromophenol
Concen: 155.588 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:330 Resp: 387151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.0 | 115.6 |
| 141 | 26.0 | 25.2 | 37.8 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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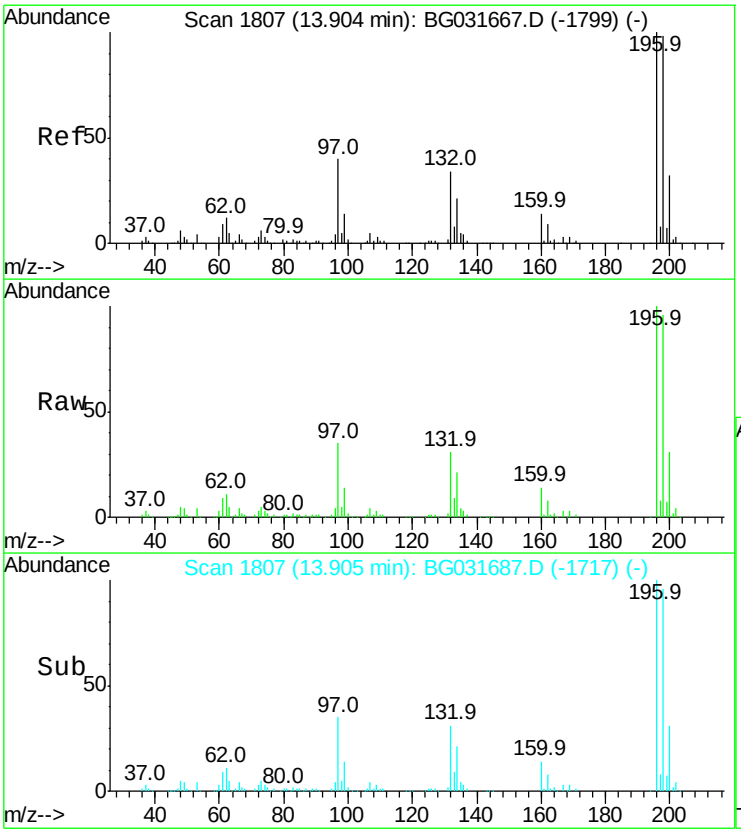
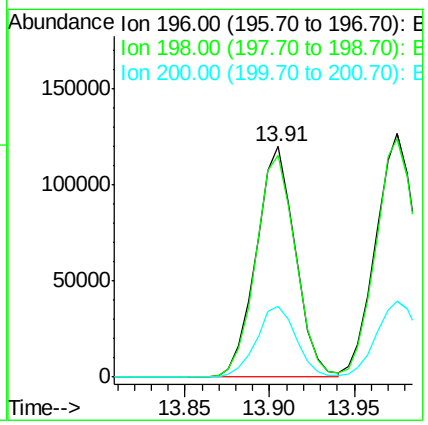
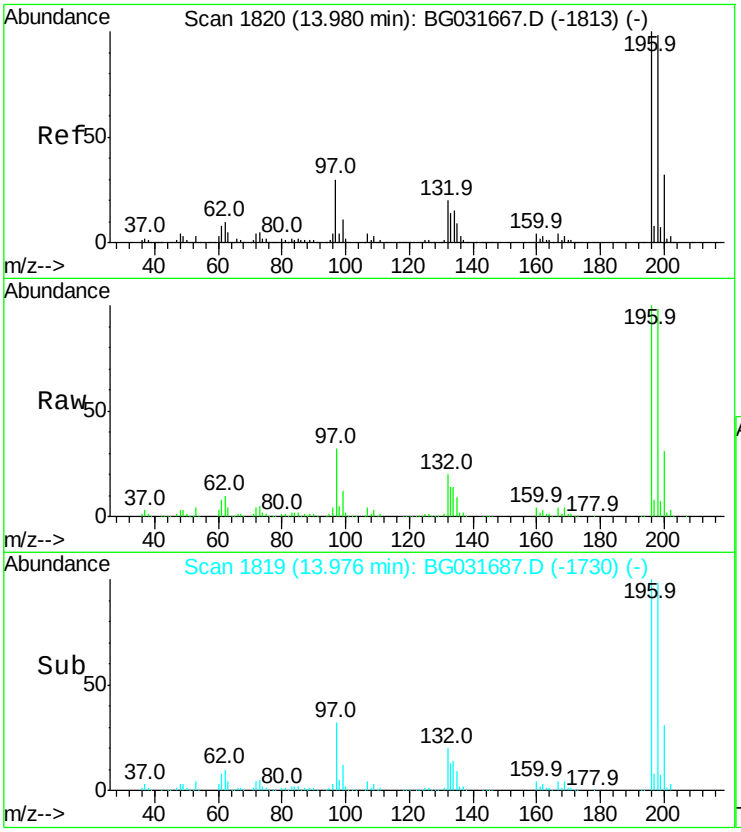



#42
2,4,6-Trichlorophenol
Concen: 48.698 ng
RT: 13.91 min Scan# 1807
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:196 Resp: 192859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 78.2 | 117.2 |
| 200 | 30.7 | 24.6 | 36.8 |

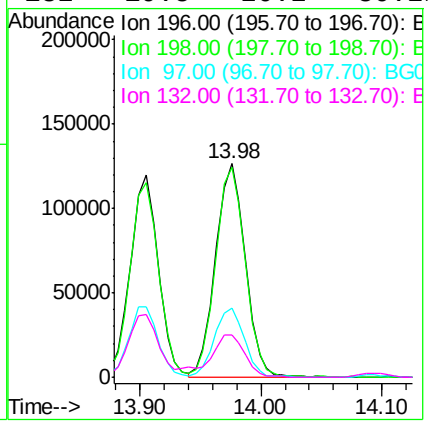





#43
2,4,5-Trichlorophenol
Concen: 48.955 ng
RT: 13.98 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:196 Resp: 214857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.1 | 76.2 | 114.4 |
| 97 | 32.2 | 38.7 | 58.1# |
| 132 | 19.5 | 20.2 | 30.2# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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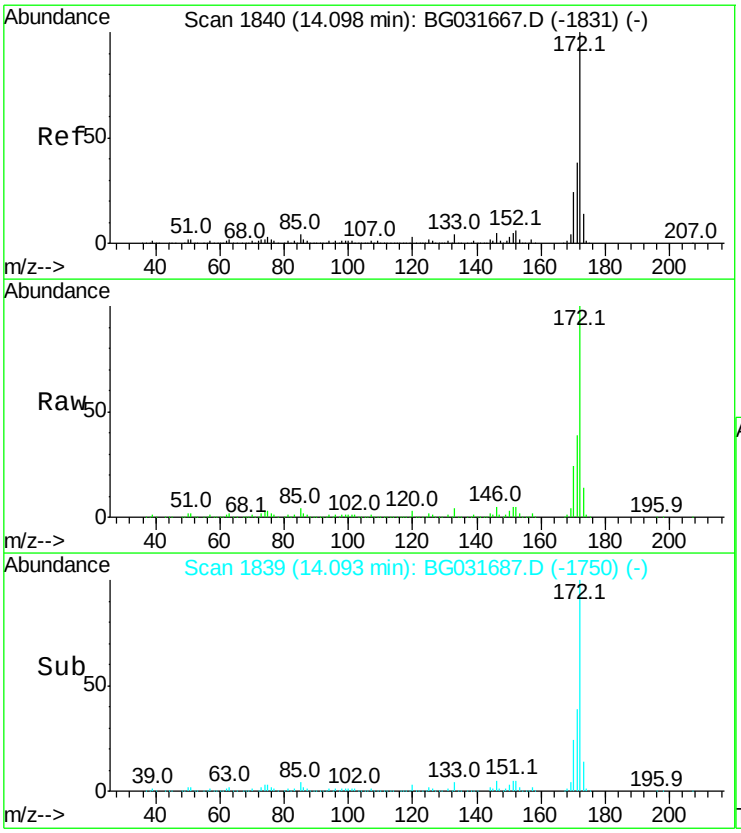
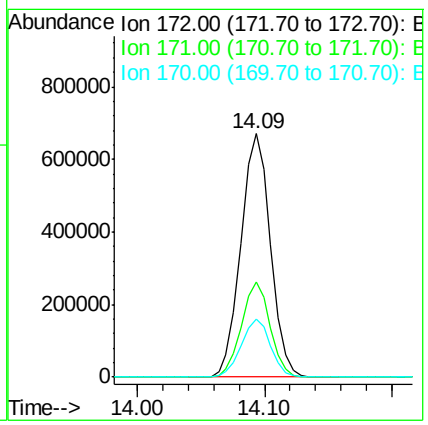
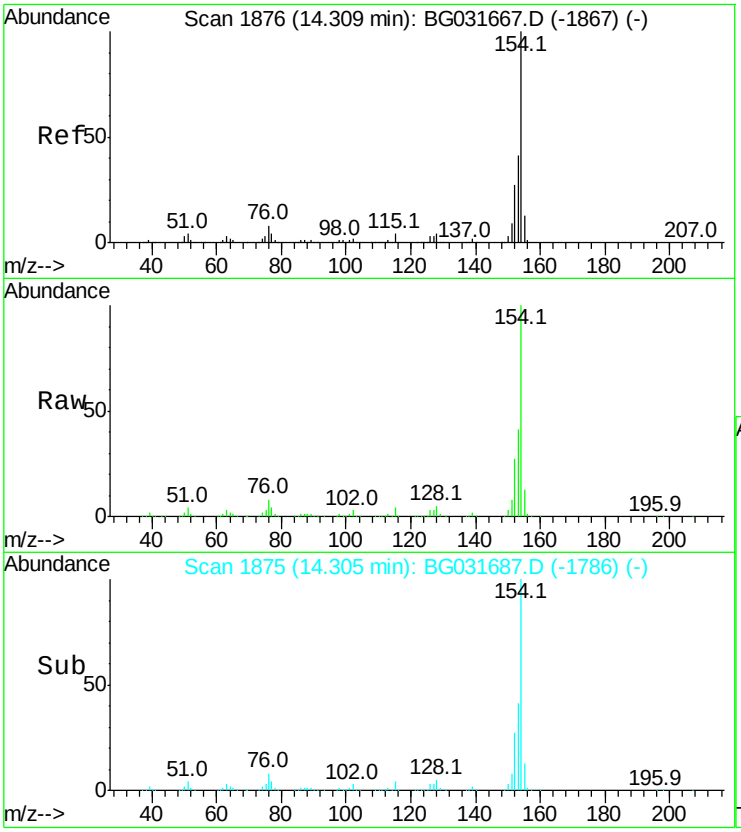



#44
2-Fluorobiphenyl
Concen: 83.299 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:172 Resp: 1082283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.9 | 30.0 | 45.0 |
| 170 | 24.0 | 19.5 | 29.3 |

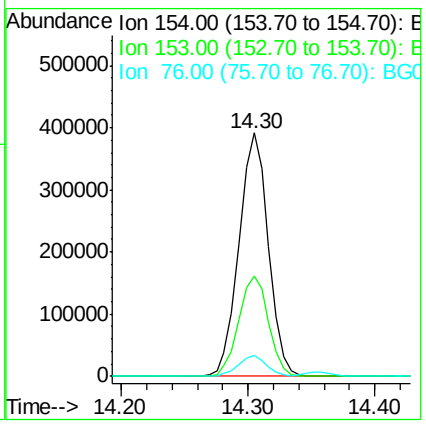





#45
1,1'-Biphenyl
Concen: 44.924 ng
RT: 14.30 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:154 Resp: 625716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.4 | 19.8 | 59.8 |
| 76 | 8.4 | 0.0 | 31.9 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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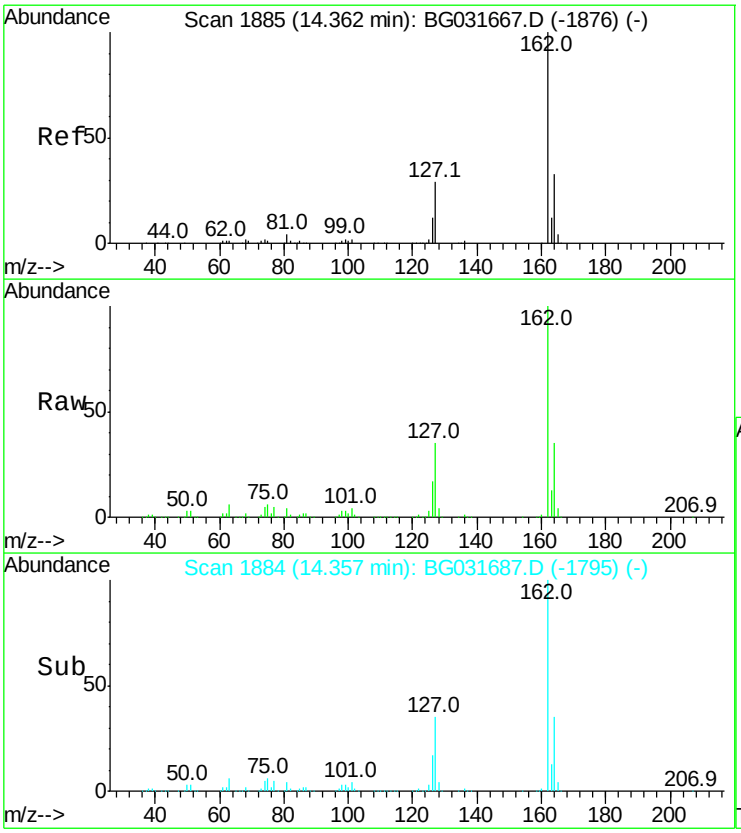
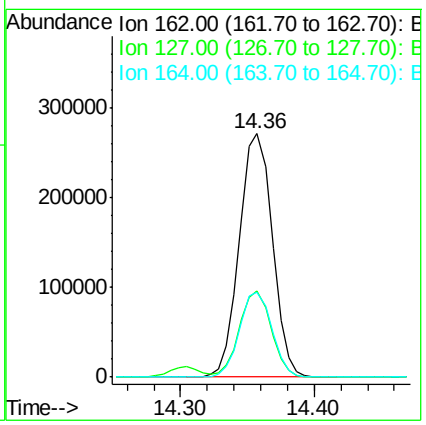
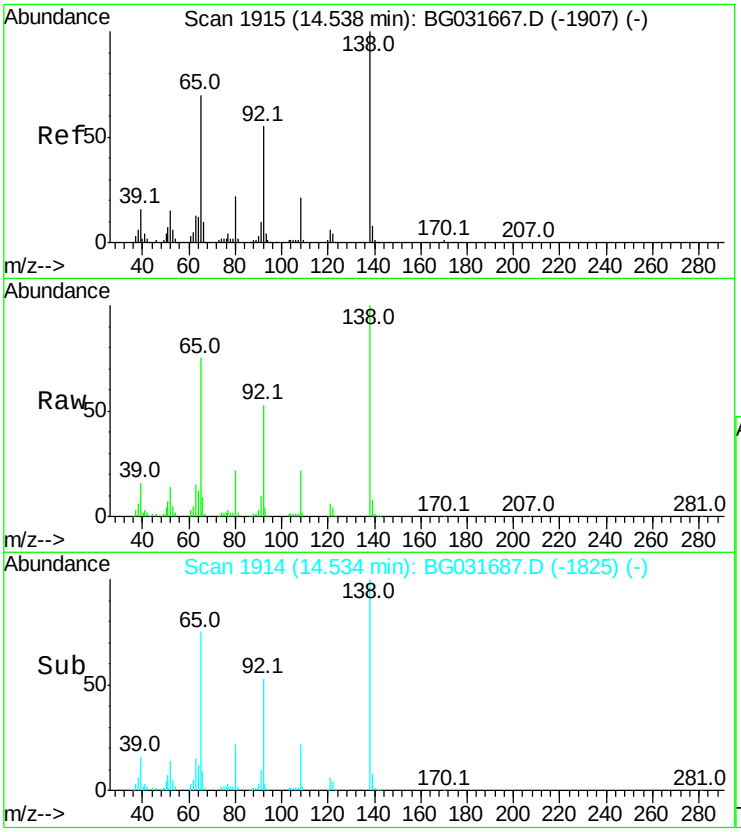



#46
2-Chloronaphthalene
Concen: 43.625 ng
RT: 14.36 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:162 Resp: 463462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.2 | 30.7 | 46.1 |
| 164 | 34.9 | 26.0 | 39.0 |






#47
2-Nitroaniline
Concen: 53.438 ng
RT: 14.53 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 65 Resp: 98049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 54.6 | 82.0 |
| 138 | 133.6 | 72.9 | 109.3# |

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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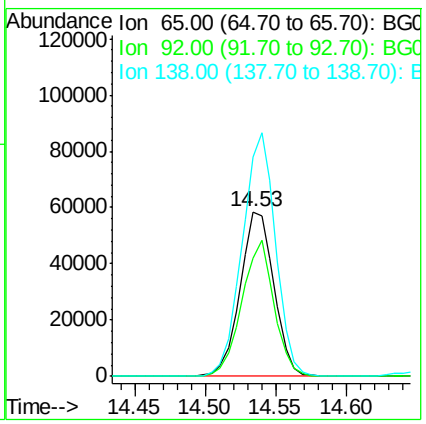
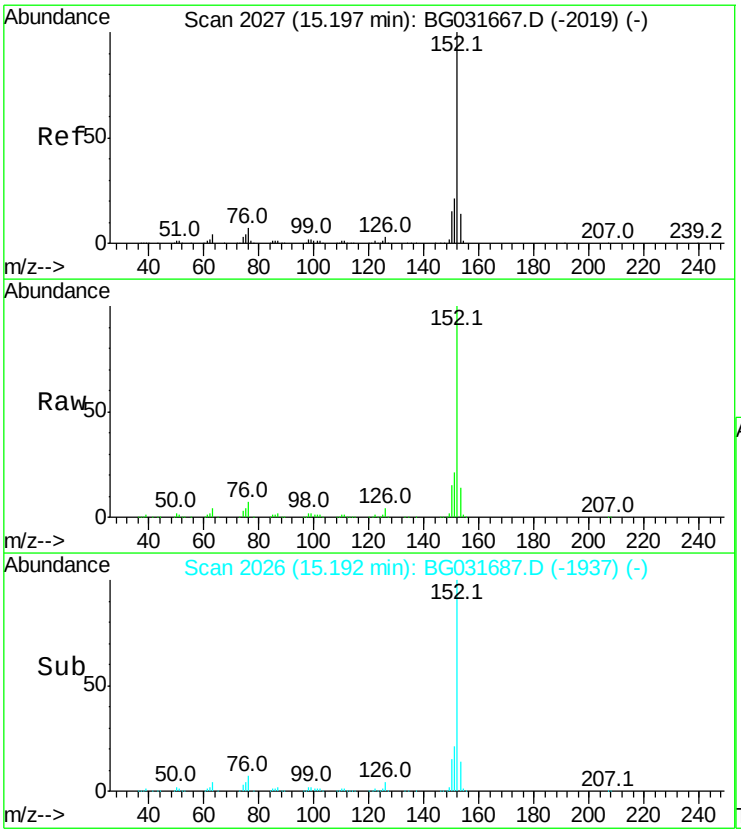
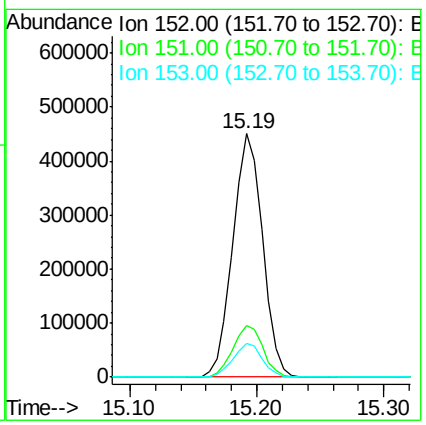


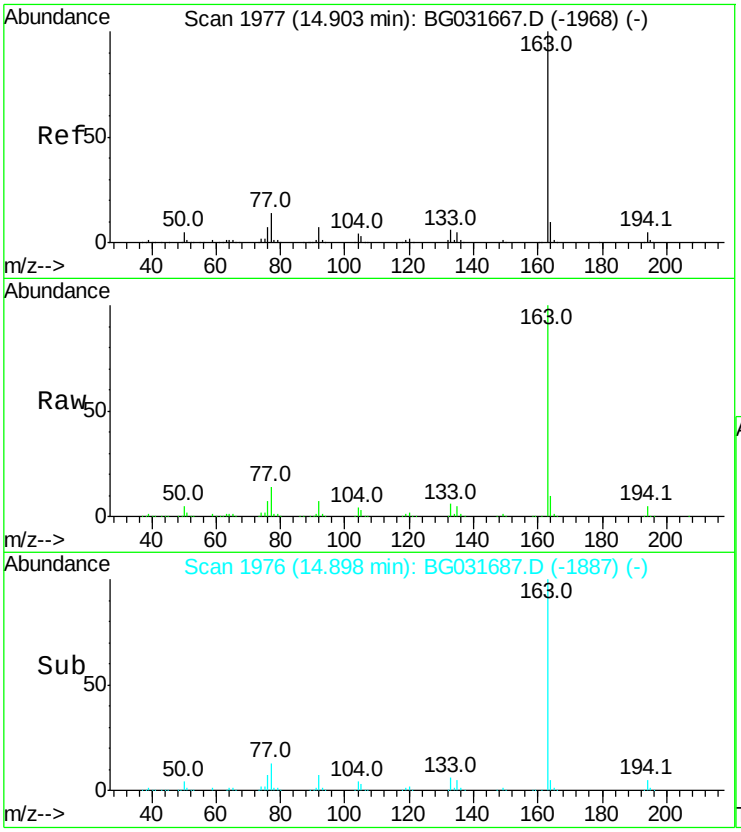




#48
Acenaphthylene
Concen: 42.960 ng
RT: 15.19 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:152 Resp: 730154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.3 | 17.2 | 25.8 |
| 153 | 13.8 | 10.2 | 15.4 |

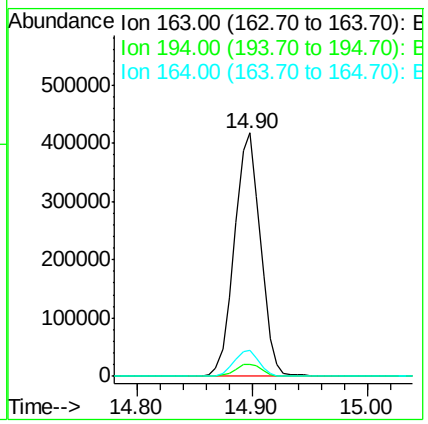





#49
Dimethylphthalate
Concen: 45.294 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:163 Resp: 650716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.1 | 3.4 | 5.2 |
| 164 | 10.5 | 8.2 | 12.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
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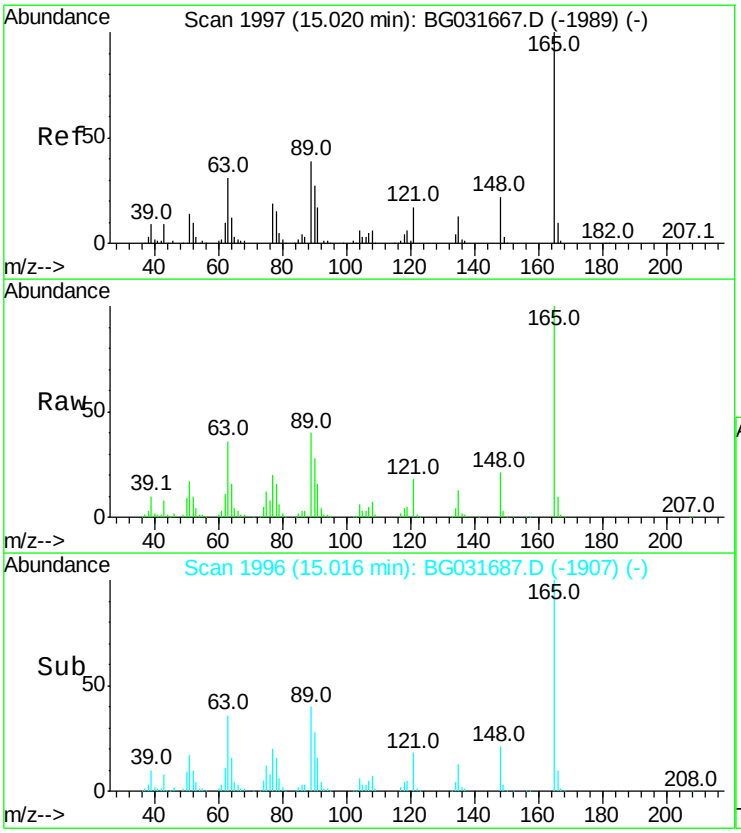
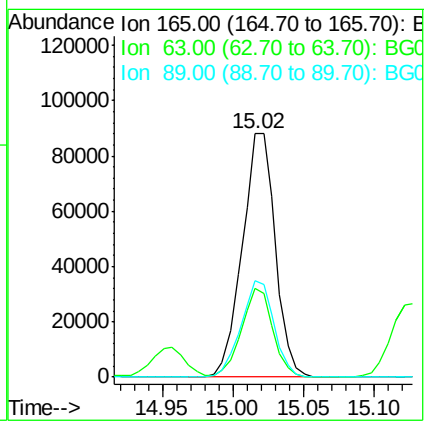
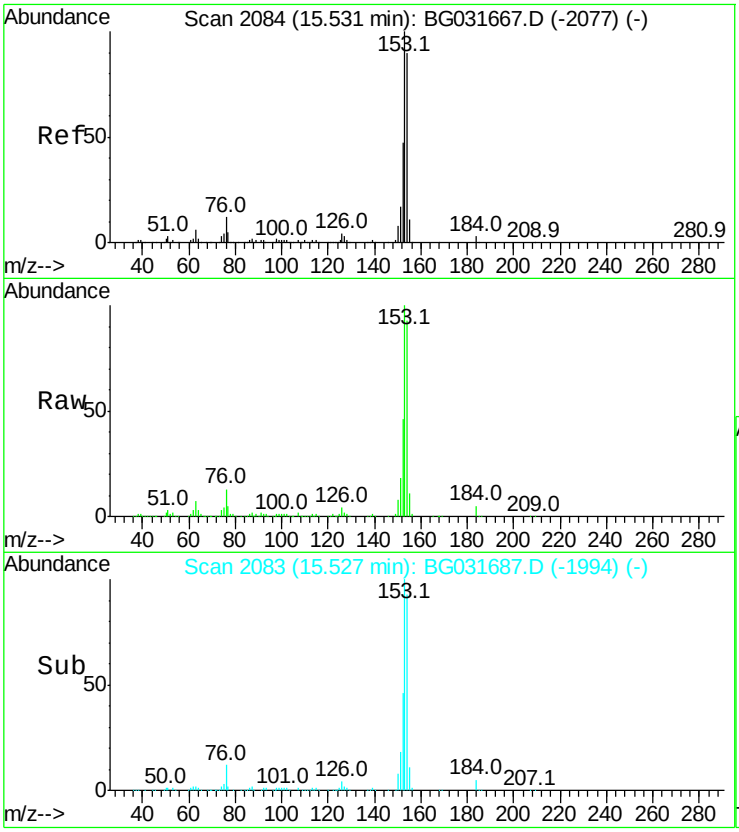



#50
2,6-Dinitrotoluene
Concen: 54.516 ng
RT: 15.02 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:165 Resp: 144077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.3 | 52.7 | 79.1# |
| 89 | 39.7 | 49.2 | 73.8# |

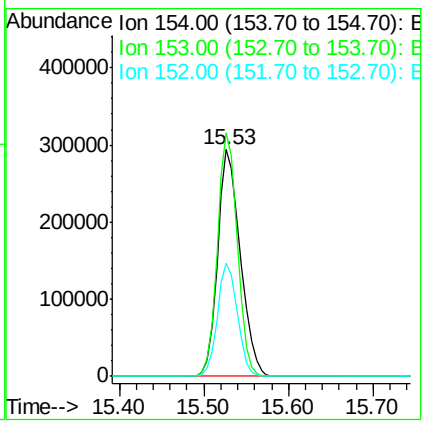





#51
Acenaphthene
Concen: 49.117 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:154 Resp: 546736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.3 | 90.4 | 135.6 |
| 152 | 49.7 | 41.6 | 62.4 |




**Instrument :**
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**ClientSampleId :**
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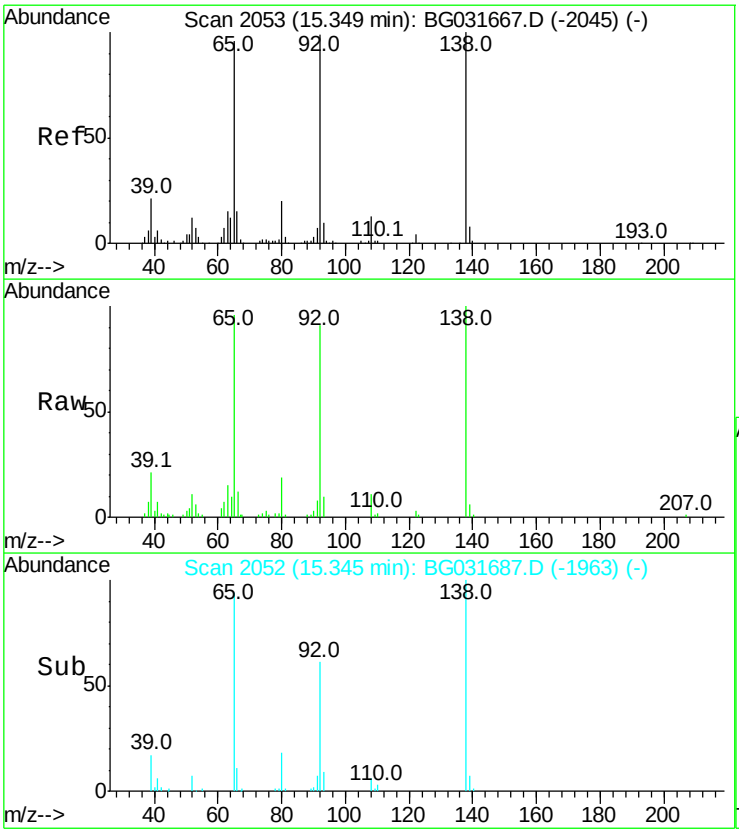
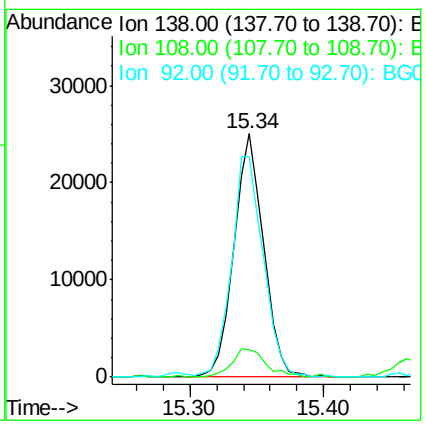
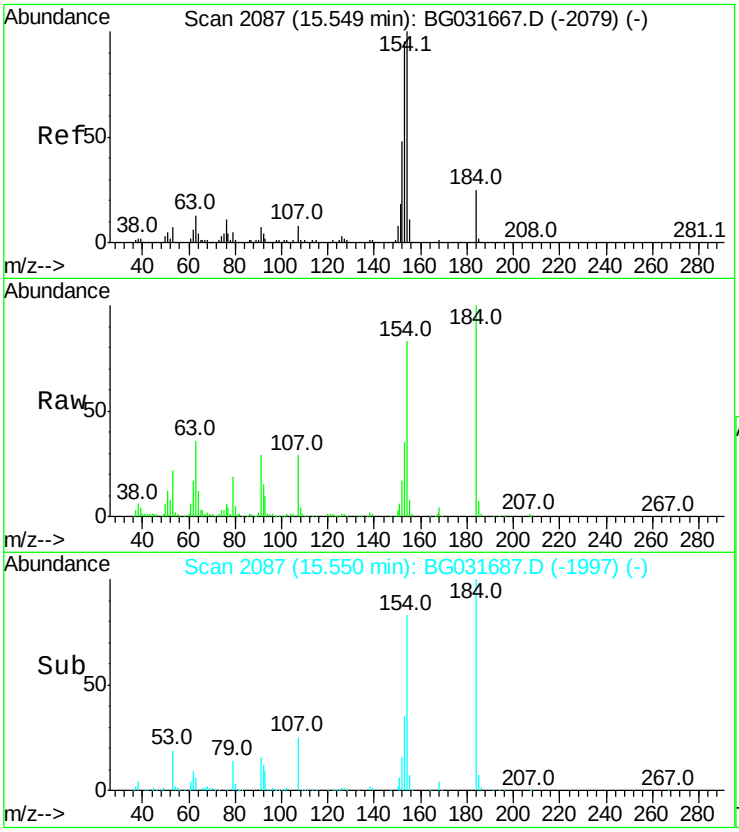



#52
3-Nitroaniline
Concen: 14.917 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:138 Resp: 38462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 17.5 | 26.3# |
| 92 | 90.8 | 105.8 | 158.8# |






#53
2,4-Dinitrophenol
Concen: 137.428 ng
RT: 15.55 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:184 Resp: 161097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 35.7 | 59.8 | 89.8# |
| 154 | 82.9 | 101.8 | 152.8# |

**Instrument :**
BNA_G
**ClientSampleId :**
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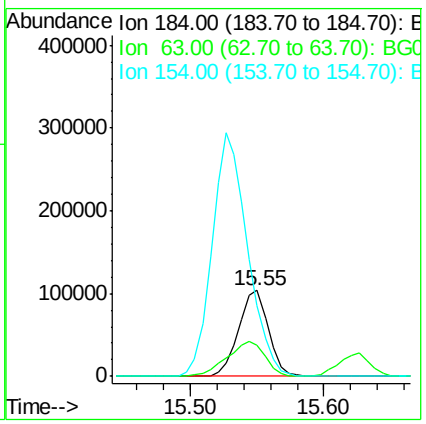
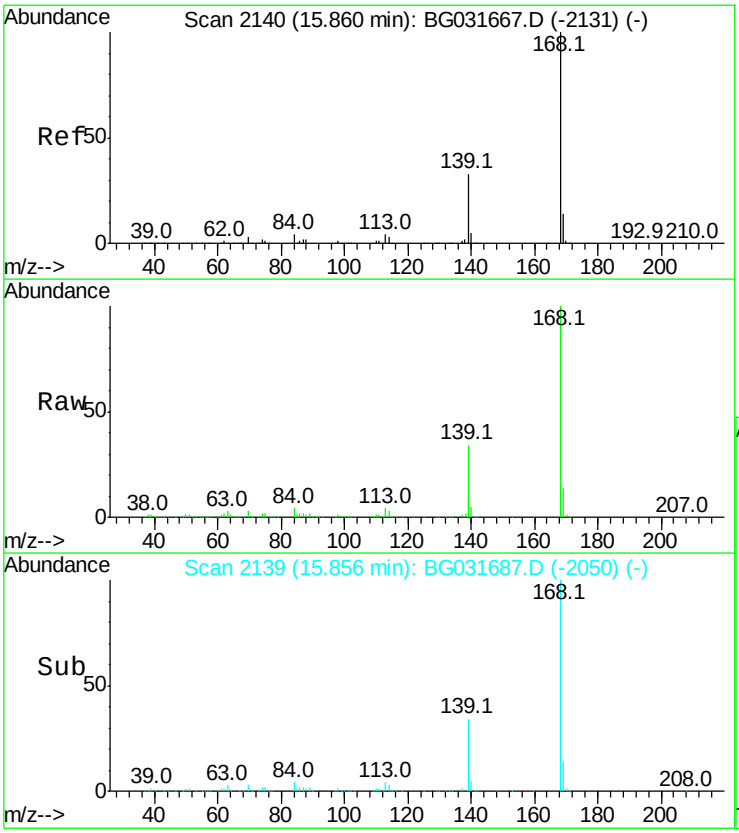
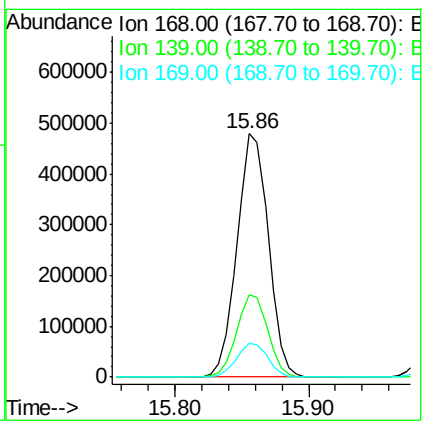


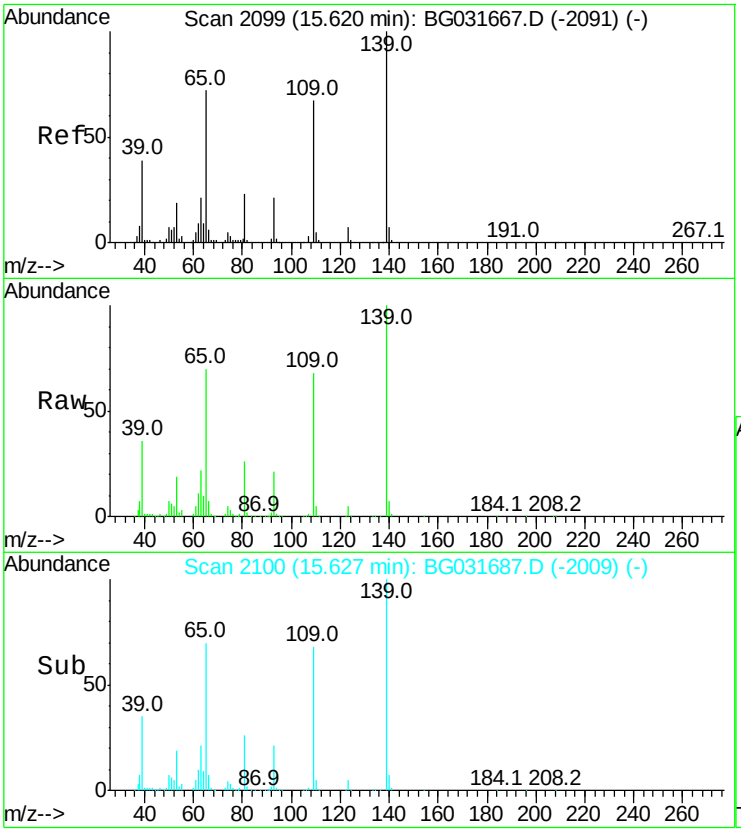




#54
Dibenzofuran
Concen: 45.507 ng
RT: 15.86 min Scan# 2139
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:168 Resp: 776497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.0 | 28.6 | 43.0 |
| 169 | 13.8 | 11.2 | 16.8 |

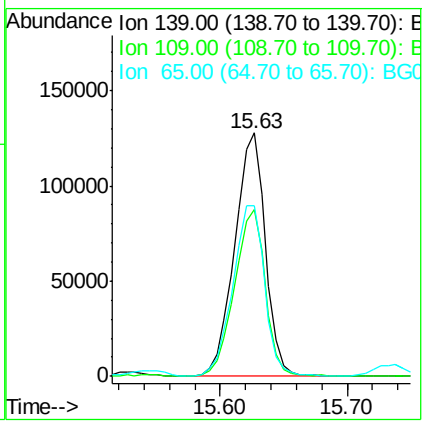





#55
4-Nitrophenol
Concen: 102.060 ng
RT: 15.63 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:139 Resp: 214186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 68.3 | 62.2 | 102.2 |
| 65 | 70.1 | 97.2 | 137.2# |




**Instrument :**
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**ClientSampleId :**
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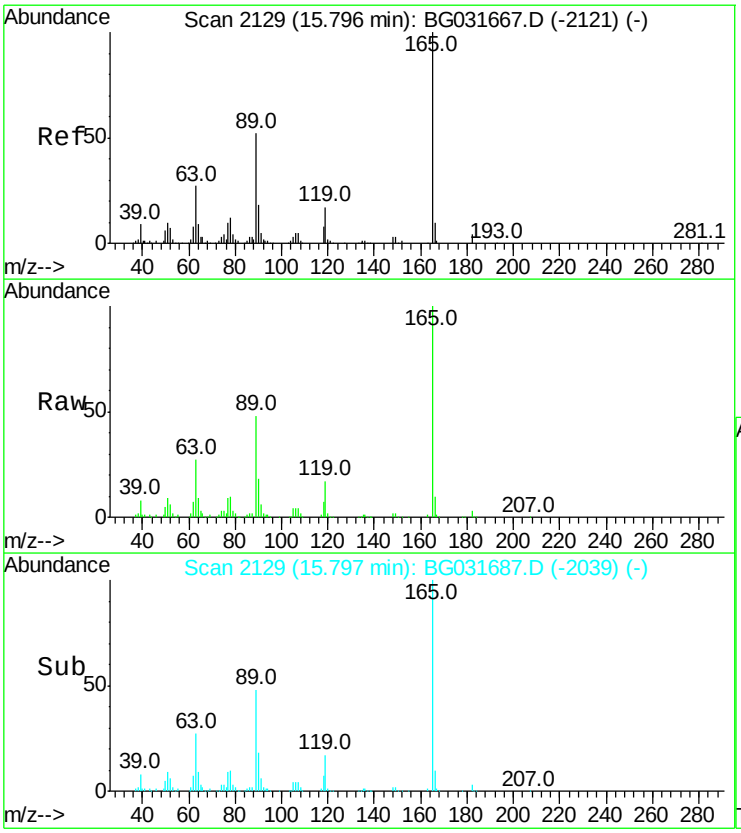
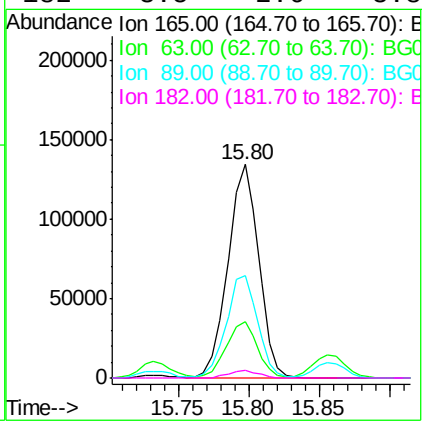
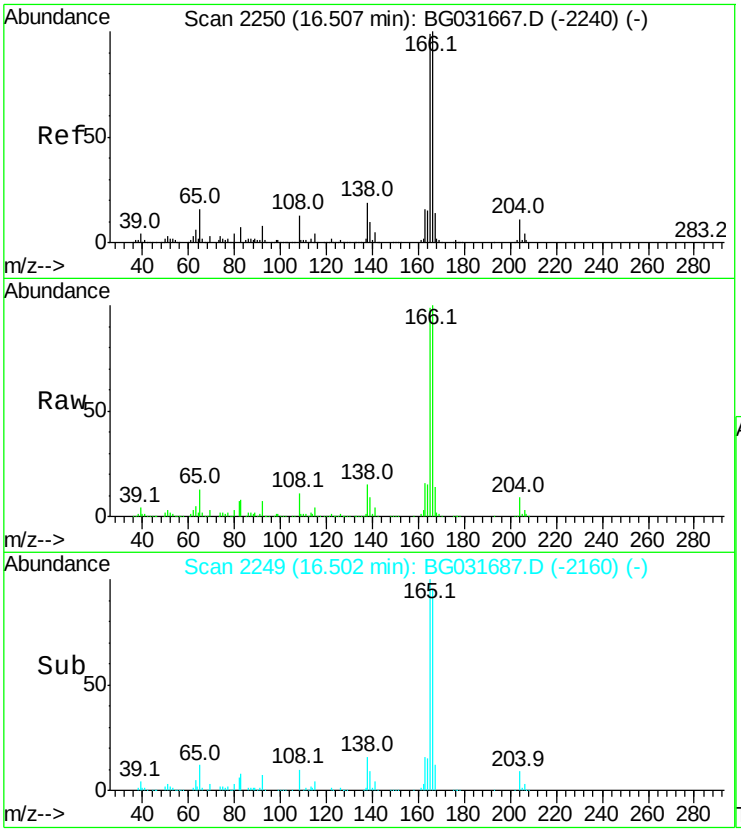



#56
2,4-Dinitrotoluene
Concen: 59.960 ng
RT: 15.80 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:165 Resp: 203764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 26.6 | 42.0 | 63.0# |
| 89 | 47.7 | 66.9 | 100.3# |
| 182 | 3.5 | 2.6 | 3.8 |

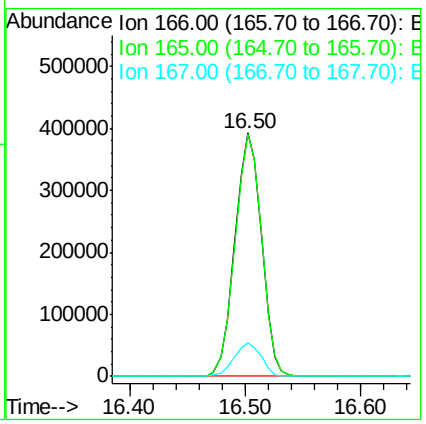





#57
Fluorene
Concen: 45.188 ng
RT: 16.50 min Scan# 2249
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:166 Resp: 626375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.4 | 80.6 | 121.0 |
| 167 | 14.0 | 10.4 | 15.6 |




**Instrument :**
BNA_G
**ClientSampleId :**
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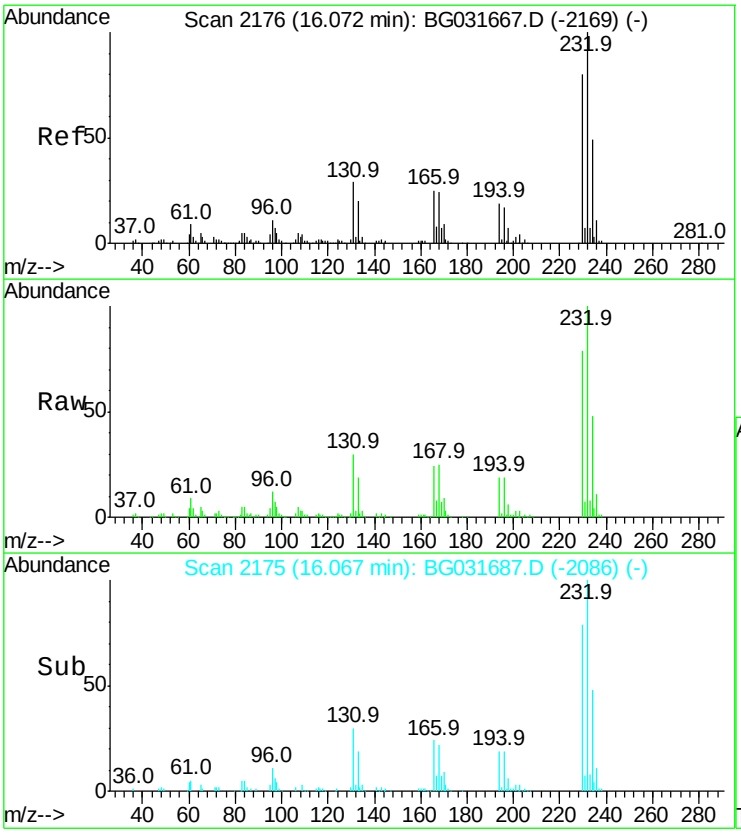
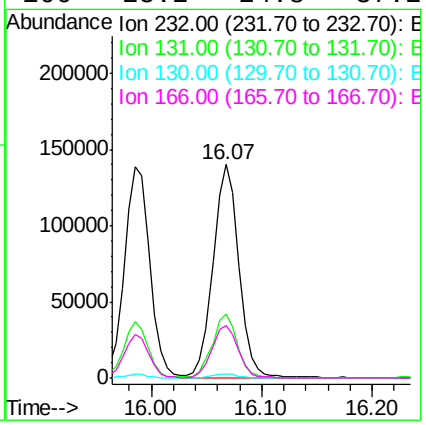
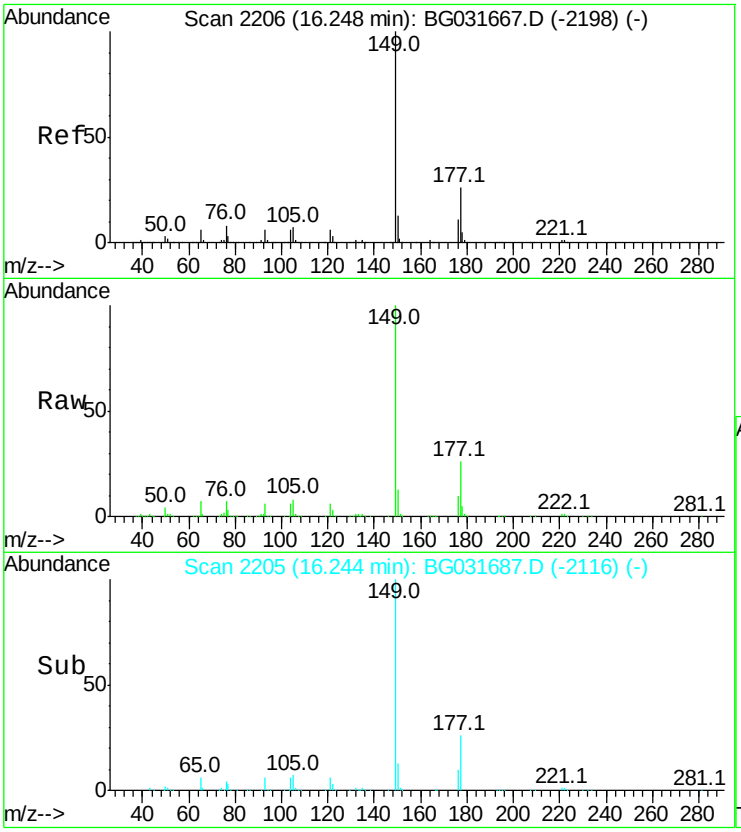



#58
2,3,4,6-Tetrachlorophenol
Concen: 52.647 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:232 Resp: 225433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 29.2 | 33.5 | 50.3# |
| 130 | 1.8 | 2.2 | 3.2# |
| 166 | 25.2 | 24.8 | 37.2 |






#59
Diethylphthalate
Concen: 45.498 ng
RT: 16.24 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:149 Resp: 637089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 26.0 | 18.5 | 27.7 |
| 150 | 13.1 | 10.2 | 15.2 |

**Instrument :**
BNA_G
**ClientSampleId :**
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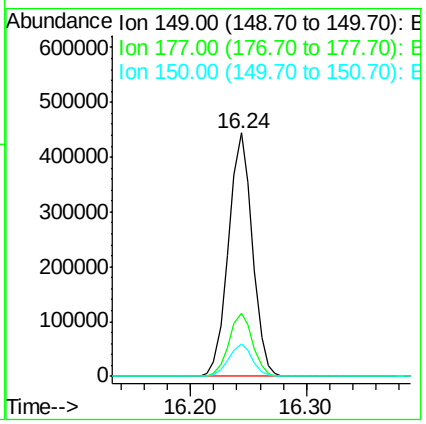
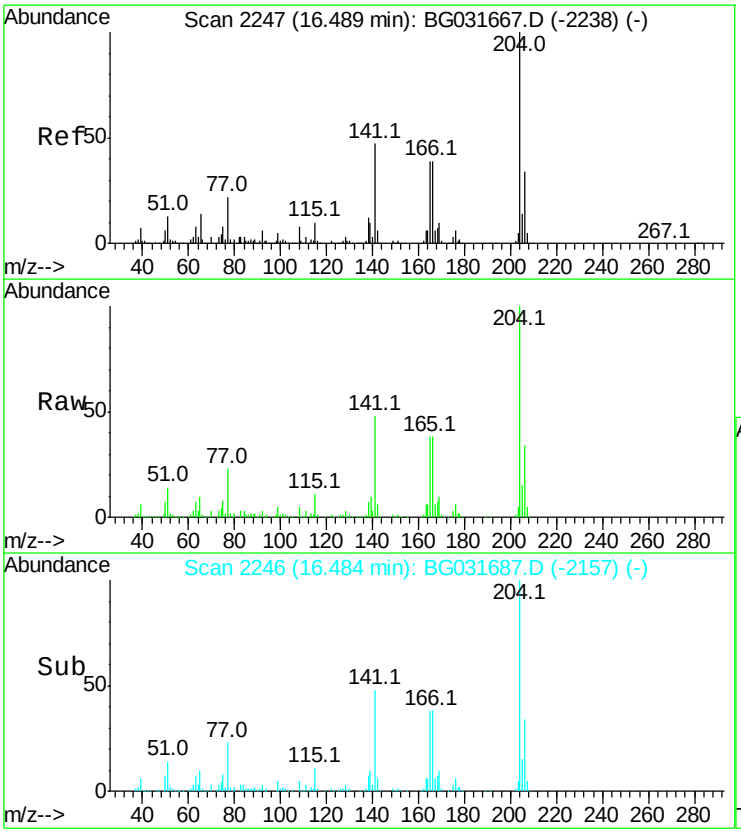
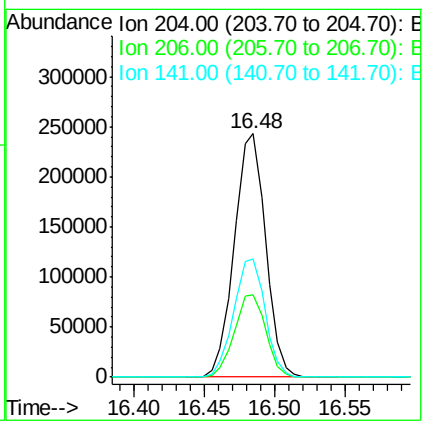


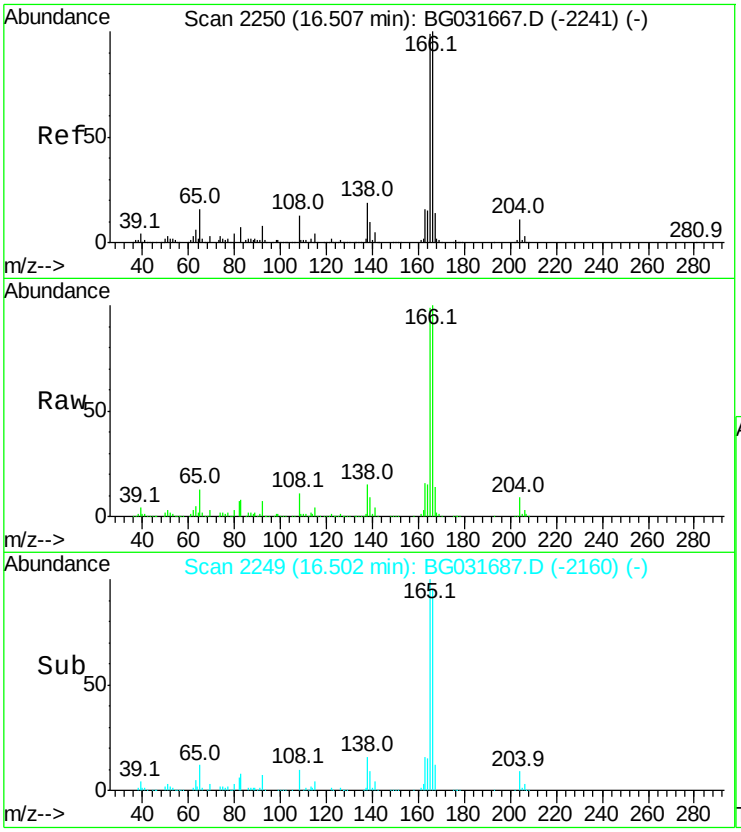




#60
4-Chlorophenyl-phenylether
Concen: 44.307 ng
RT: 16.48 min Scan# 2246
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:204 Resp: 375785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.8 | 26.2 | 39.2 |
| 141 | 48.4 | 45.8 | 68.6 |

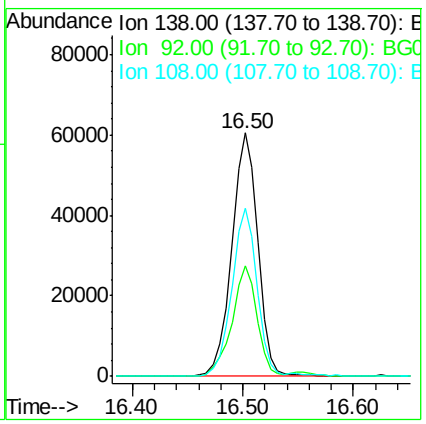





#61
4-Nitroaniline
Concen: 39.692 ng
RT: 16.50 min Scan# 2249
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:138 Resp: 99872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 45.2 | 40.1 | 80.1 |
| 108 | 69.1 | 65.4 | 105.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
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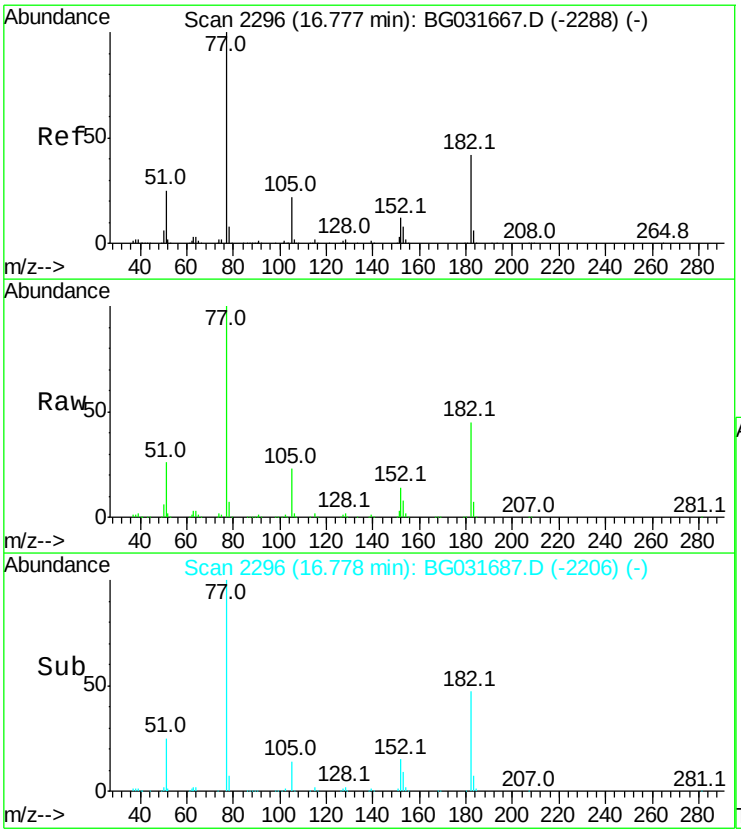
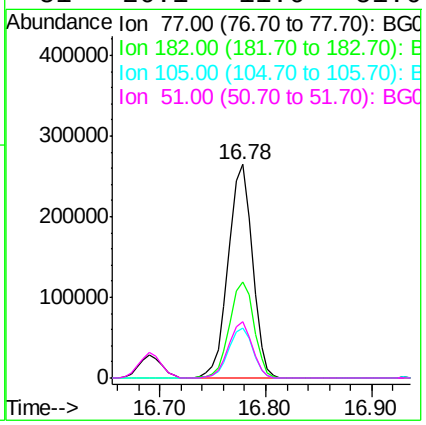
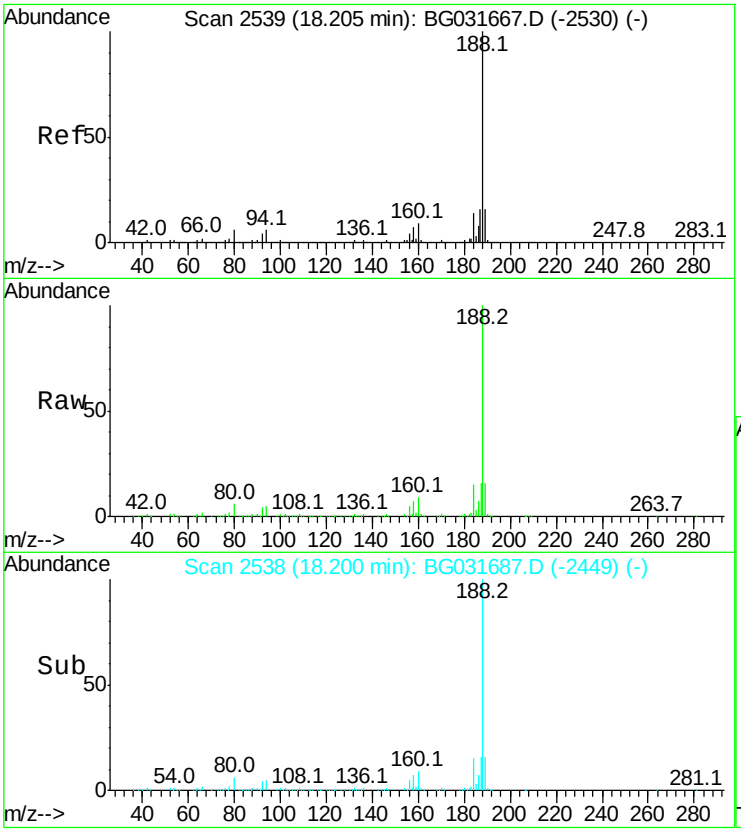



#62
Azobenzene
Concen: 46.328 ng
RT: 16.78 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion: 77 Resp: 416026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 44.9 | 7.4 | 47.4 |
| 105 | 23.4 | 0.3 | 40.3 |
| 51 | 26.1 | 11.6 | 51.6 |






#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:188 Resp: 426920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.6 | 6.9 | 10.3# |
| 80 | 6.0 | 7.7 | 11.5# |

**Instrument :**
BNA_G
**ClientSampleId :**
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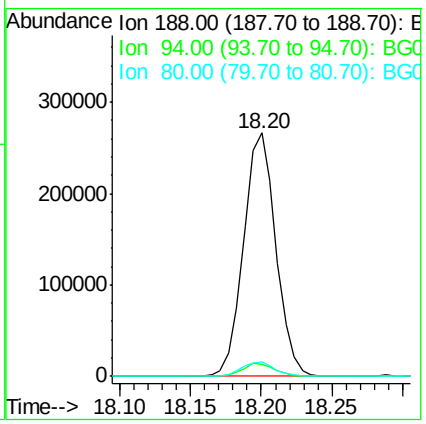
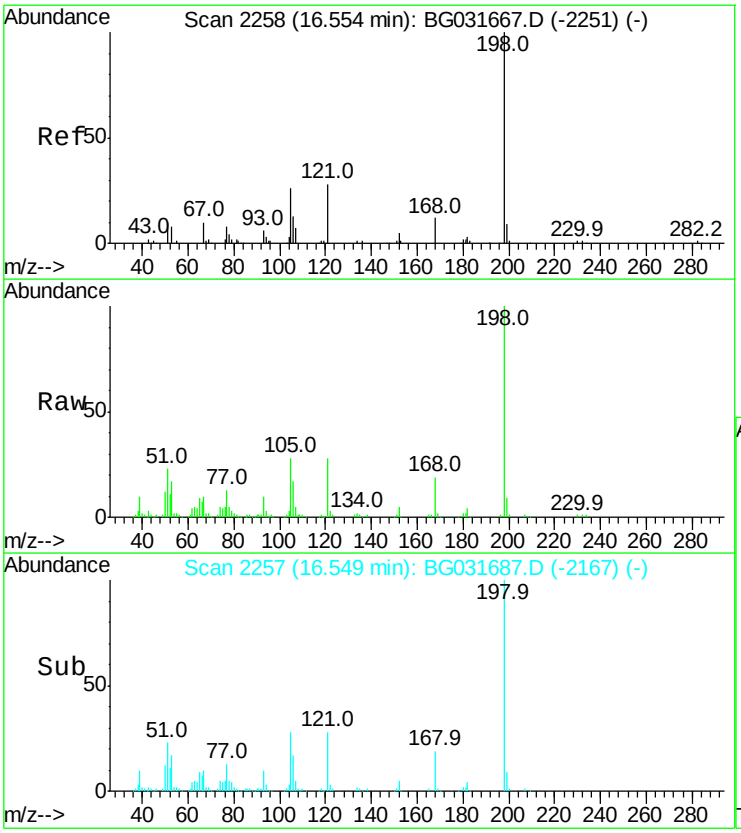
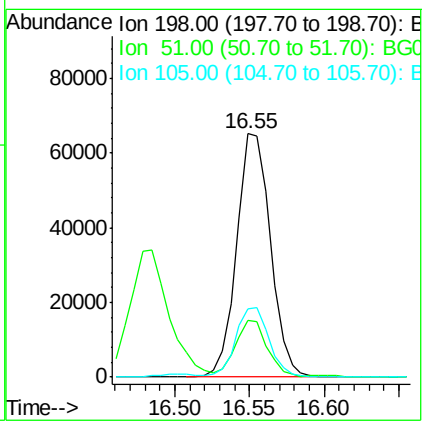


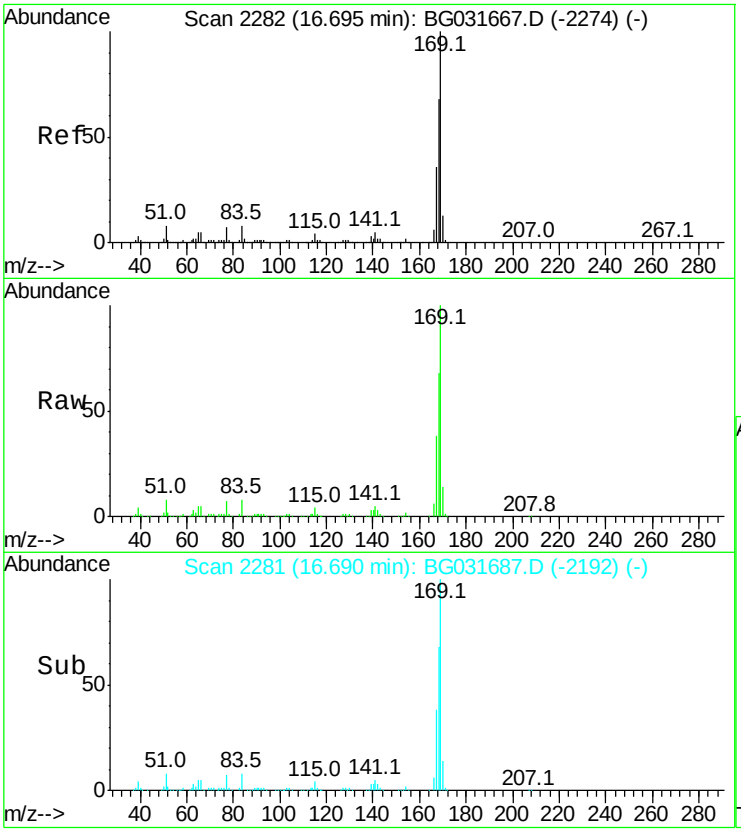




#64
4,6-Dinitro-2-methylphenol
Concen: 49.089 ng
RT: 16.55 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:198 Resp: 102425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 23.1 | 30.6 | 70.6# |
| 105 | 27.9 | 23.8 | 63.8 |

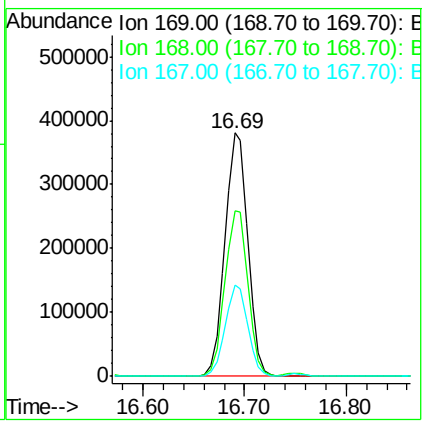





#65
n-Nitrosodiphenylamine
Concen: 41.991 ng
RT: 16.69 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:169 Resp: 595391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.0 | 55.7 | 83.5 |
| 167 | 37.7 | 30.1 | 45.1 |




**Instrument :**
BNA_G
**ClientSampleId :**
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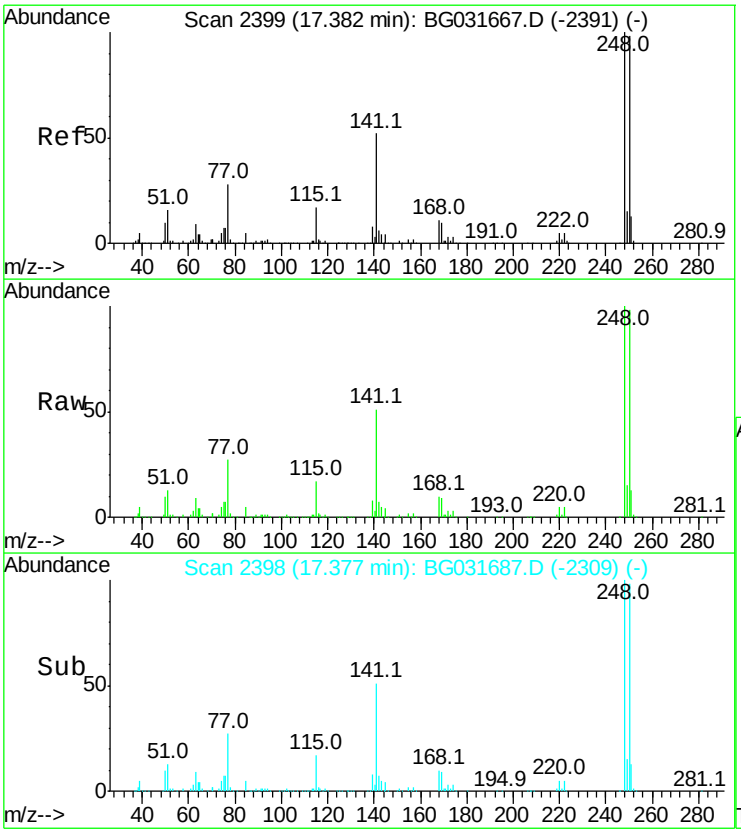
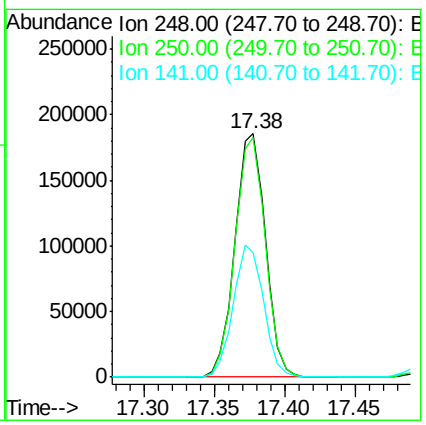
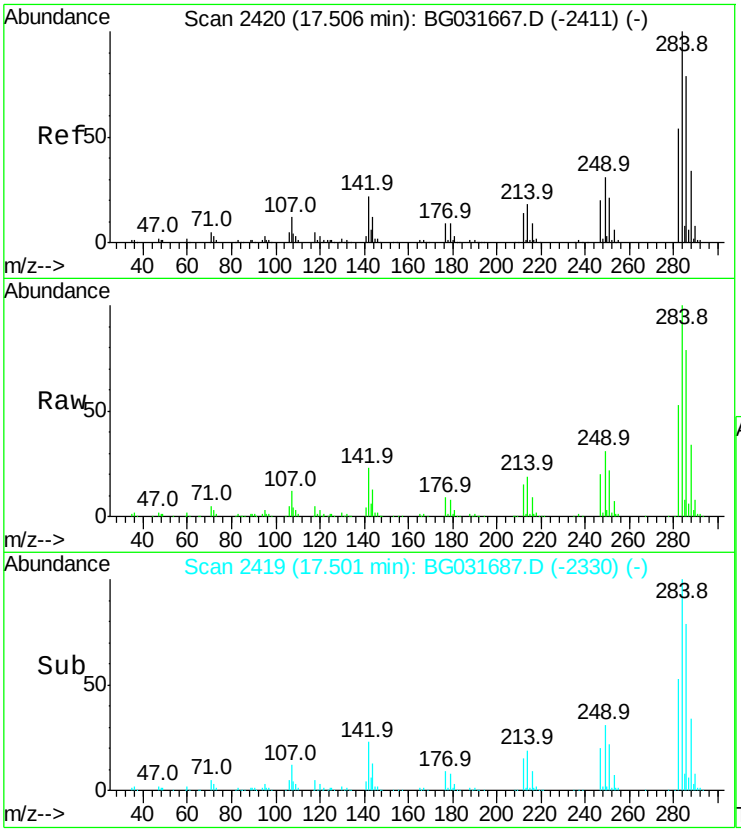



#66
4-Bromophenyl-phenylether
Concen: 45.428 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:248 Resp: 280447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.4 | 77.1 | 115.7 |
| 141 | 50.9 | 50.8 | 76.2 |






#67
Hexachlorobenzene
Concen: 45.531 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:284 Resp: 287342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 22.6 | 26.8 | 40.2# |
| 249 | 31.3 | 26.3 | 39.5 |

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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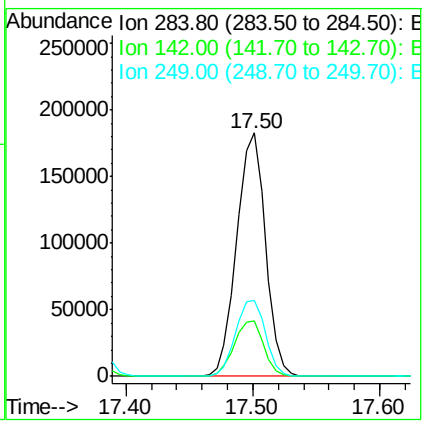
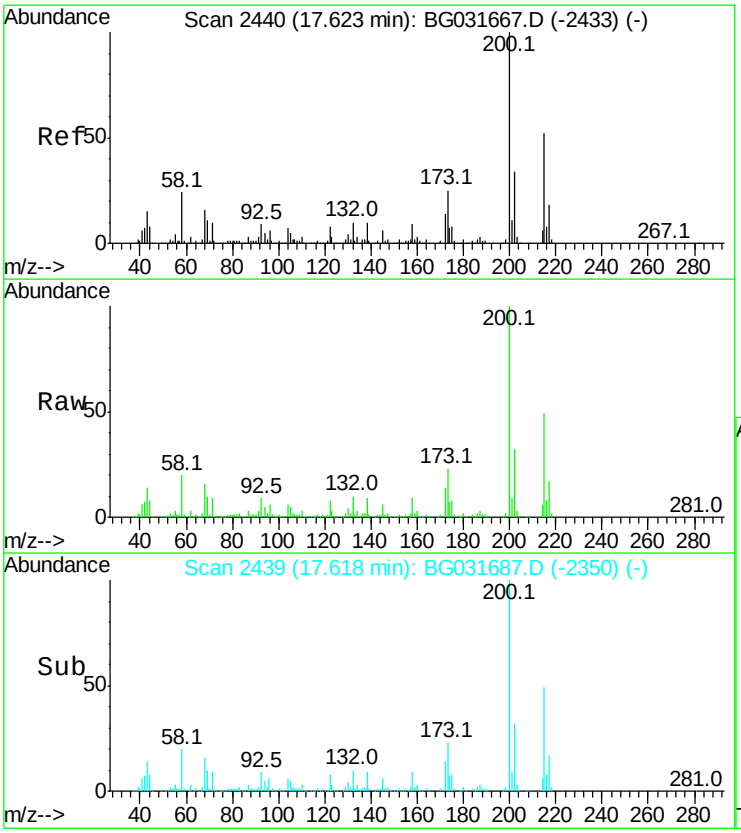
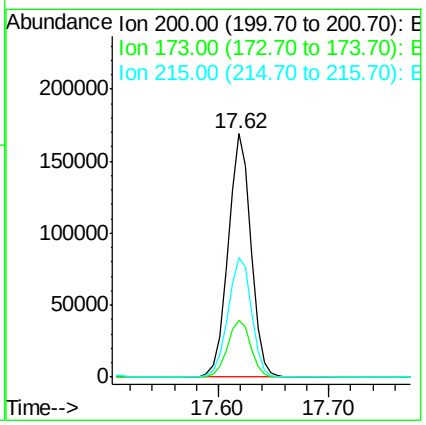


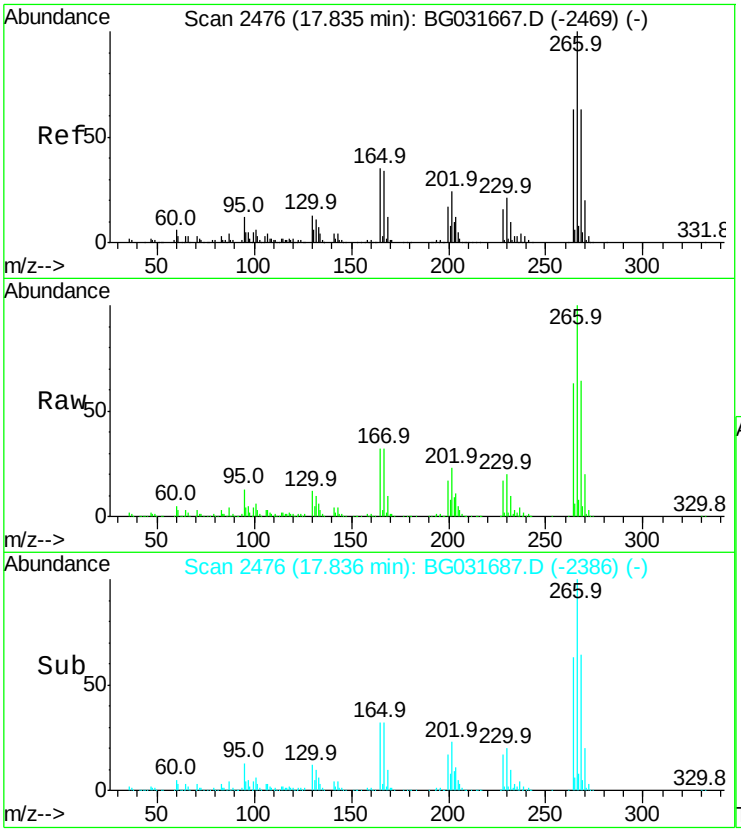




#68
Atrazine
Concen: 44.268 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:200 Resp: 244066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 23.4 | 5.2 | 45.2 |
| 215 | 49.3 | 30.4 | 70.4 |

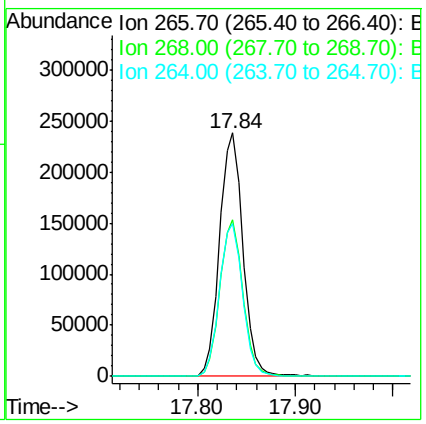





#69
Pentachlorophenol
Concen: 91.015 ng
RT: 17.84 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:266 Resp: 395078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.4 | 51.1 | 76.7 |
| 264 | 62.9 | 49.6 | 74.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
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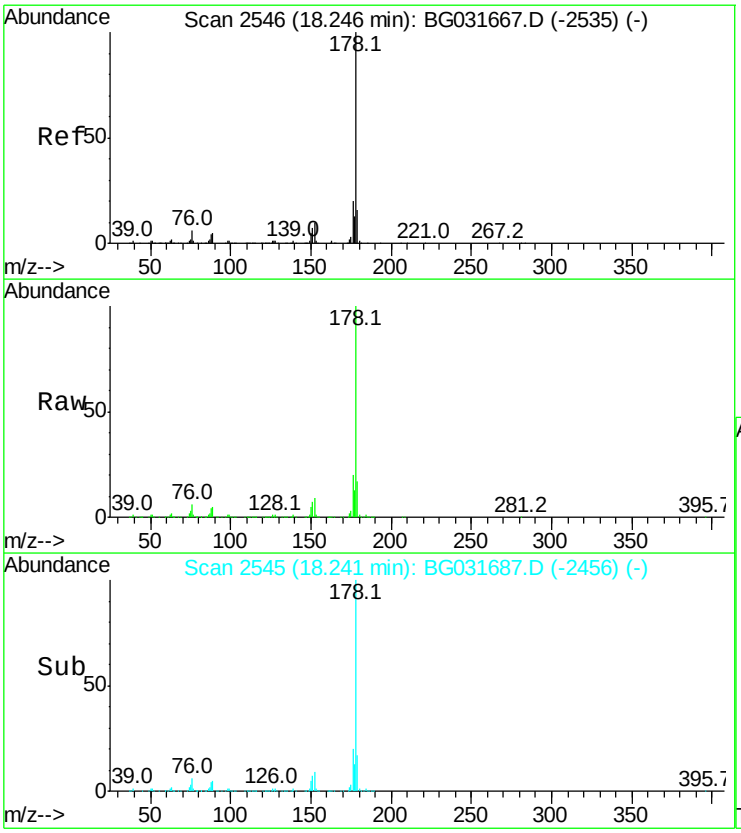
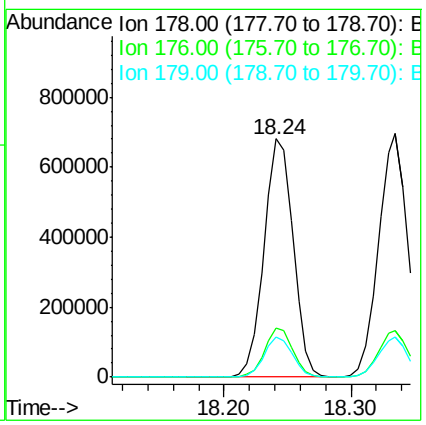
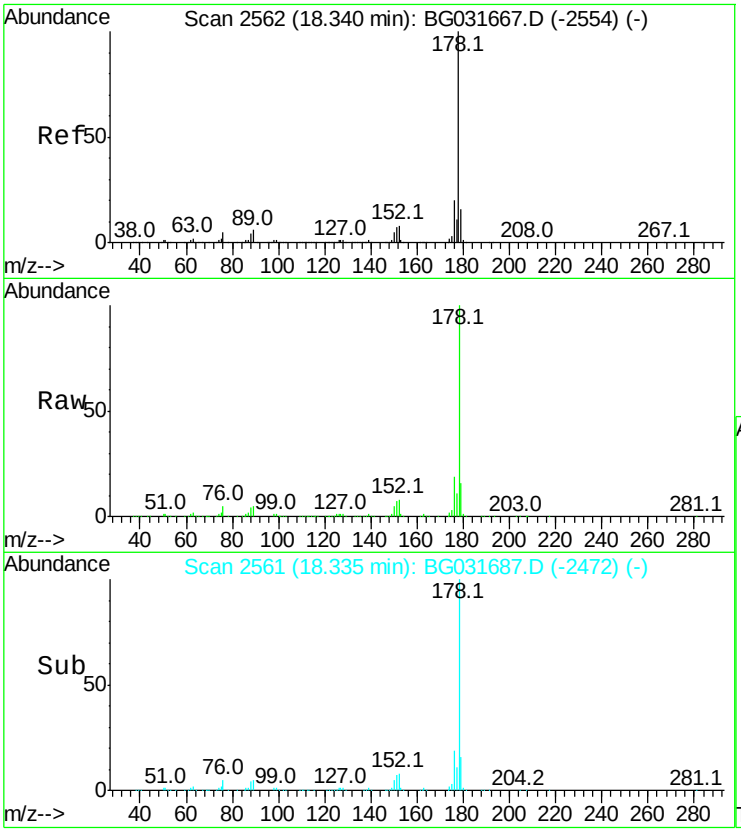



#70
Phenanthrene
Concen: 45.101 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:178 Resp: 1089655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.7 | 23.5 |
| 179 | 16.6 | 12.5 | 18.7 |

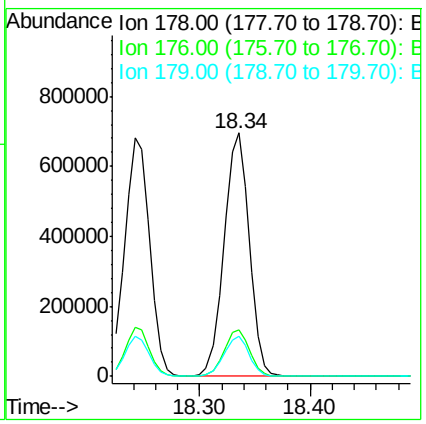





#71
Anthracene
Concen: 45.625 ng
RT: 18.34 min Scan# 2561
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:178 Resp: 1111962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 16.0 | 24.0 |
| 179 | 16.3 | 12.5 | 18.7 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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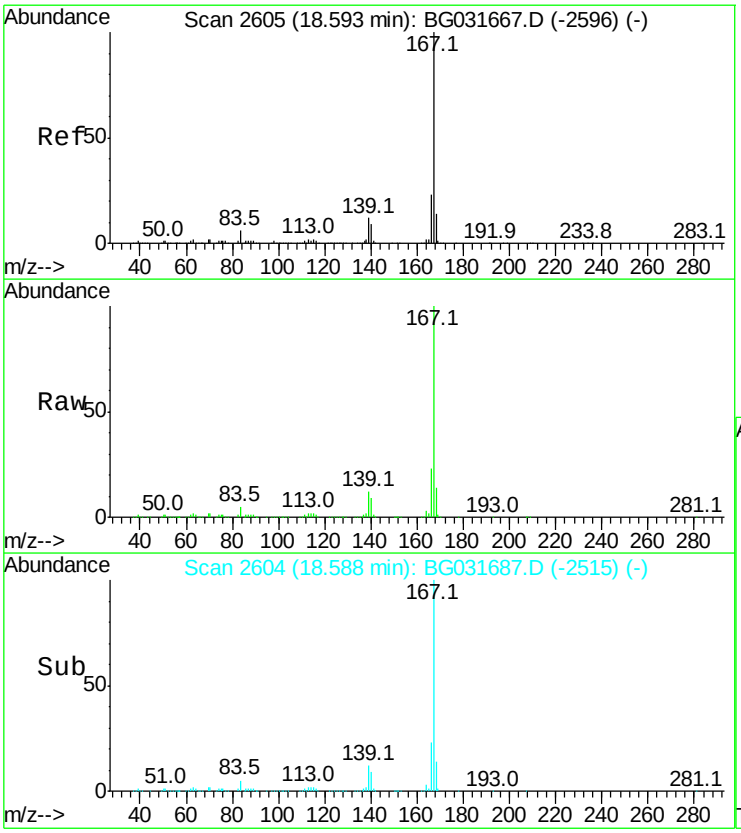
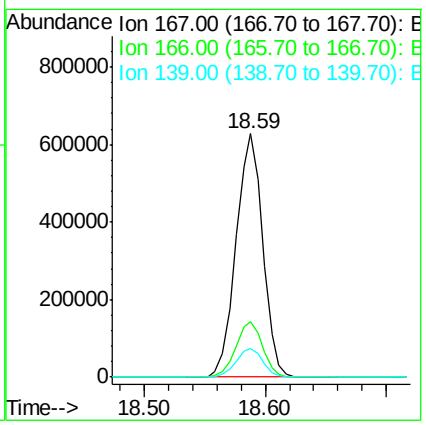
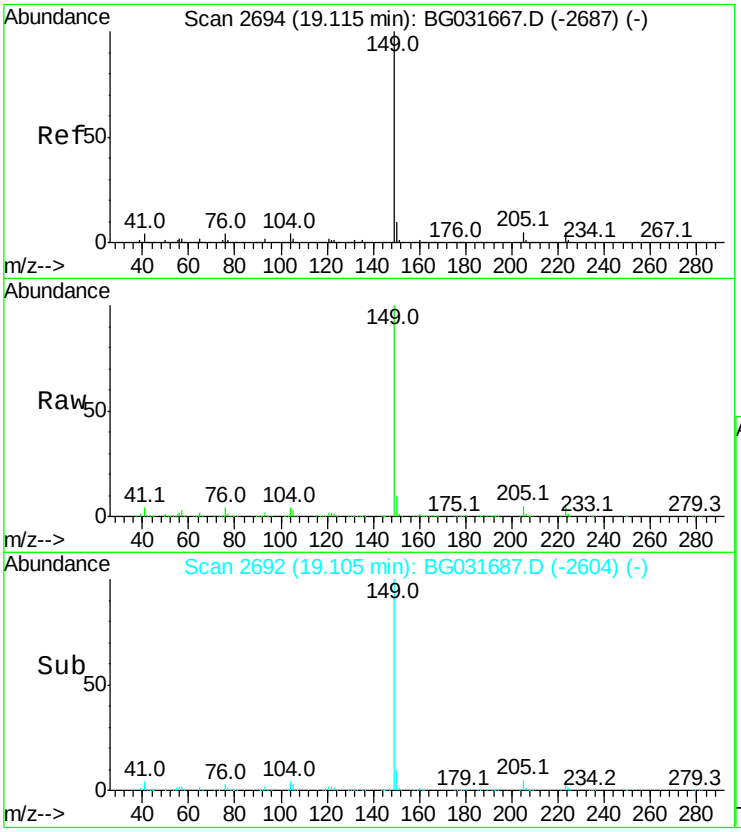



#72
Carbazole
Concen: 44.872 ng
RT: 18.59 min Scan# 2604
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:167 Resp: 967949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.0 | 18.2 | 27.4 |
| 139 | 11.7 | 9.4 | 14.2 |

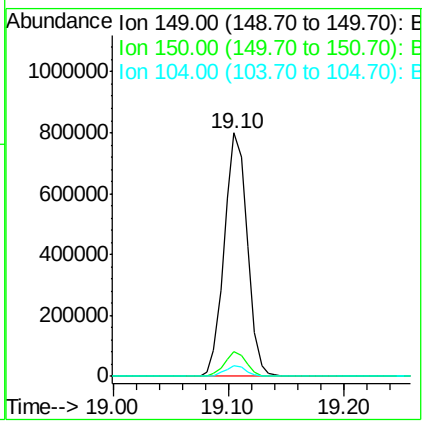





#73
Di-n-butylphthalate
Concen: 45.839 ng
RT: 19.10 min Scan# 2692
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:149 Resp: 1098876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.2 | 7.8 | 11.6 |
| 104 | 4.4 | 3.9 | 5.9 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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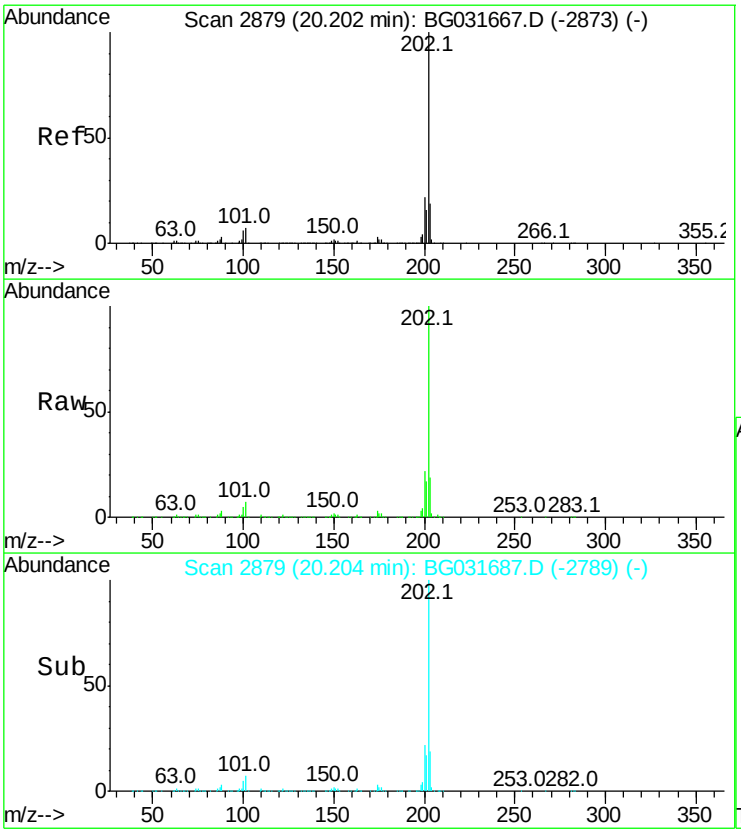
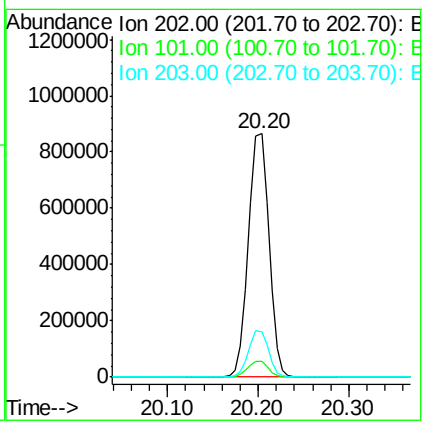
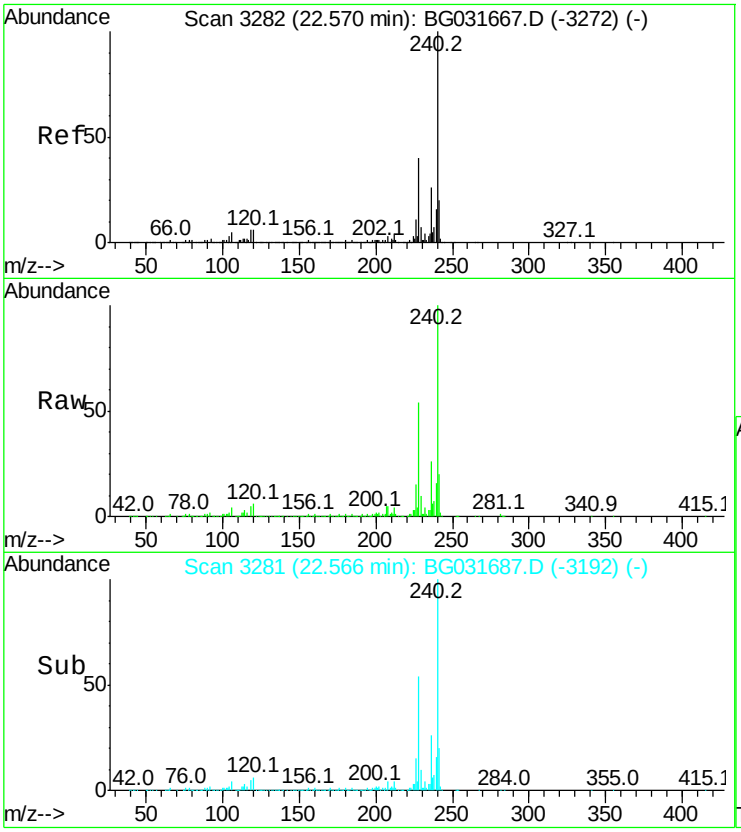



#74
Fluoranthene
Concen: 46.027 ng
RT: 20.20 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:202 Resp: 1364457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.6 | 0.0 | 28.9 |
| 203 | 18.7 | 0.0 | 37.5 |

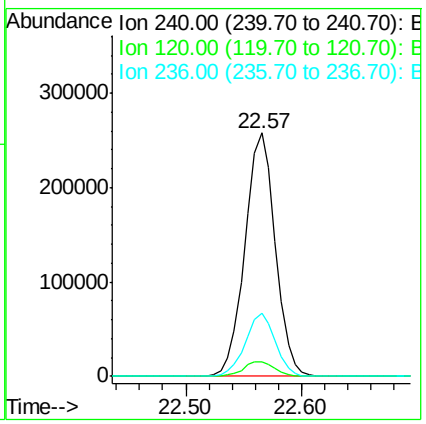





#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.57 min Scan# 3281
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:240 Resp: 473129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.9 | 6.8 | 10.2# |
| 236 | 26.1 | 20.9 | 31.3 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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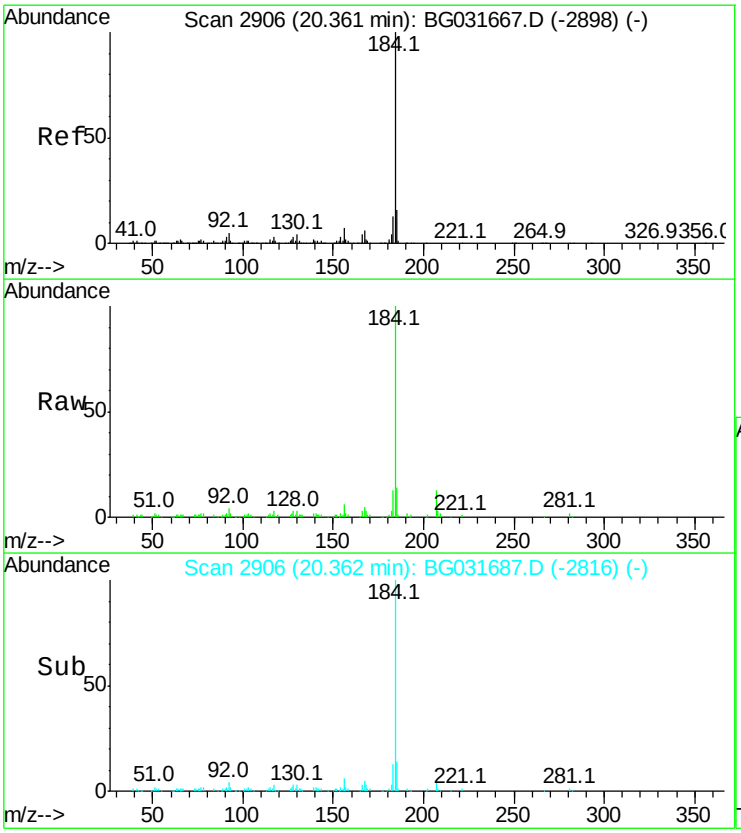
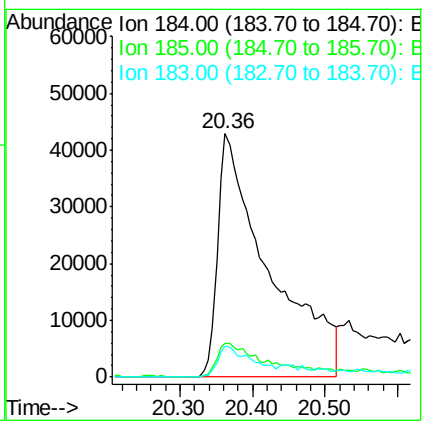
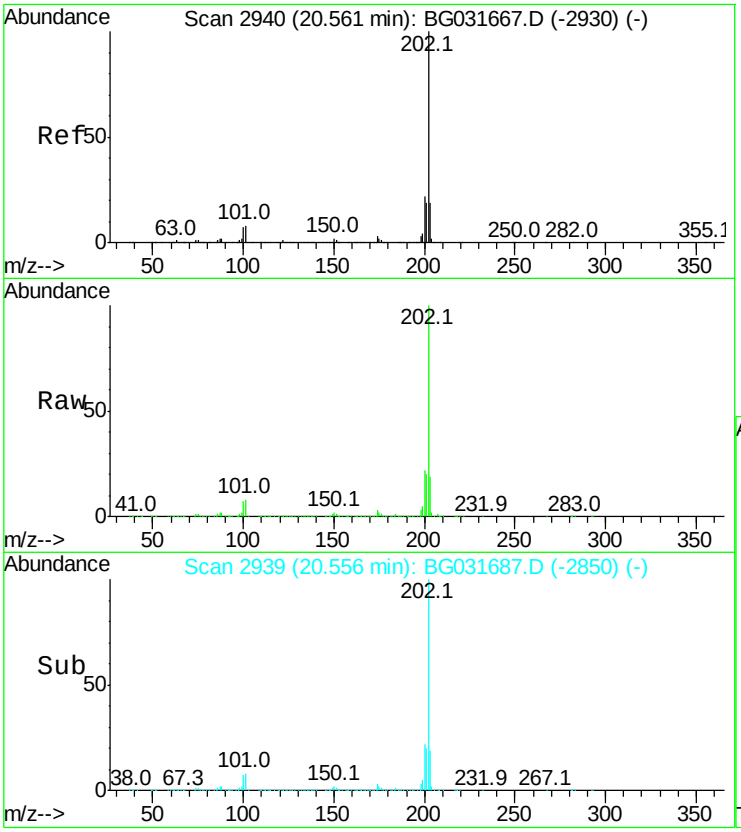



#76
Benzidine
Concen: 14.406 ng
RT: 20.36 min Scan# 2906
Delta R.T. 0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:184 Resp: 210376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.1 | 16.7 |
| 183 | 13.0 | 10.6 | 16.0 |

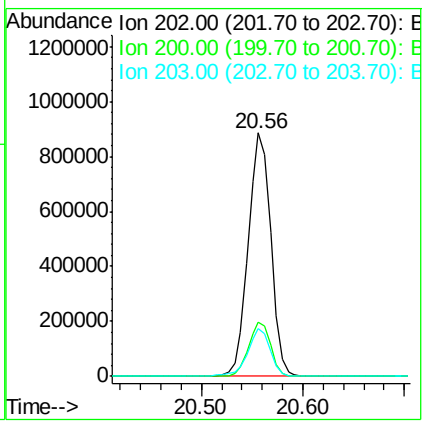





#77
Pyrene
Concen: 45.115 ng
RT: 20.56 min Scan# 2939
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:202 Resp: 1363459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 16.9 | 25.3 |
| 203 | 19.5 | 13.9 | 20.9 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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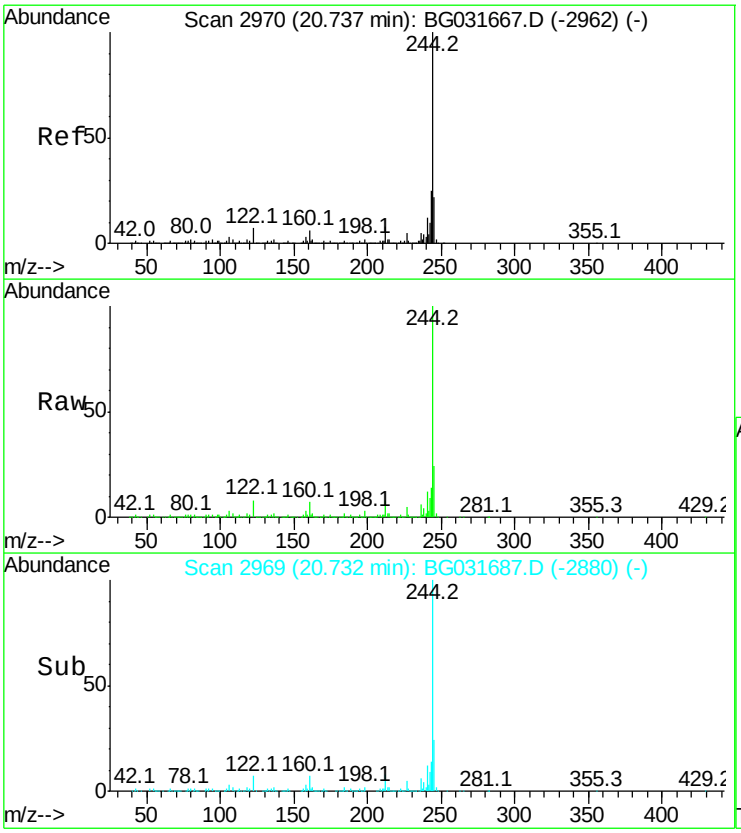
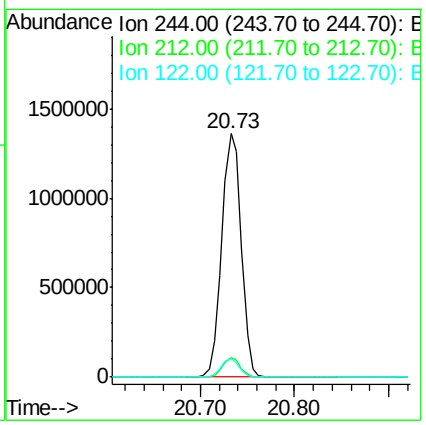
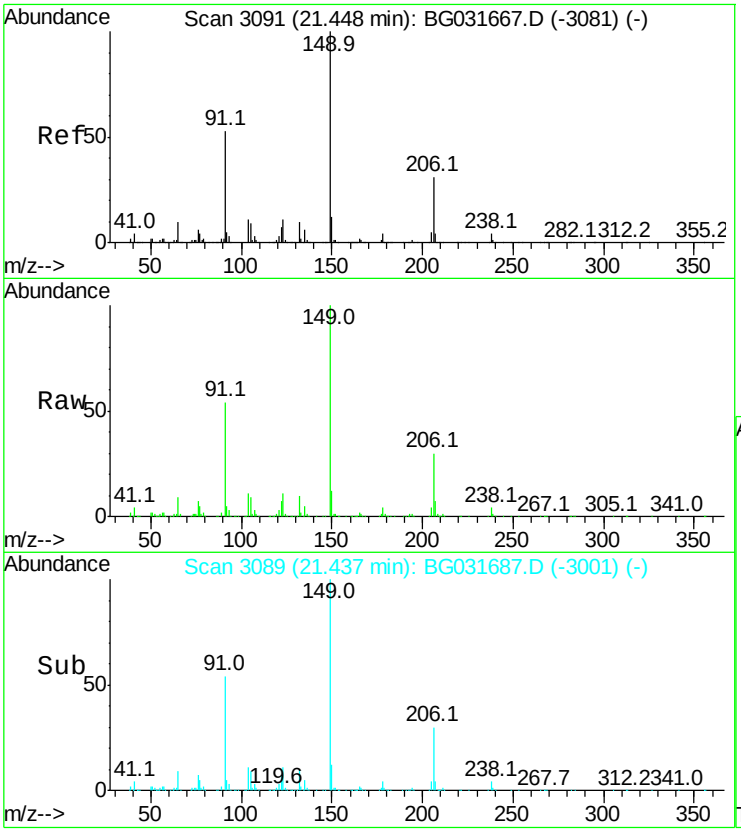



#78
Terphenyl-d14
Concen: 94.833 ng
RT: 20.73 min Scan# 2969
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:244 Resp: 1963892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 5.8 | 8.8 |
| 122 | 7.7 | 7.0 | 10.4 |






#79
Butylbenzylphthalate
Concen: 47.668 ng
RT: 21.44 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:149 Resp: 483610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 53.8 | 62.2 | 93.2# |
| 206 | 30.2 | 18.6 | 27.8# |

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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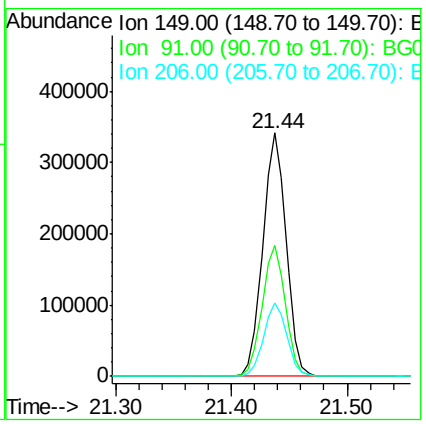
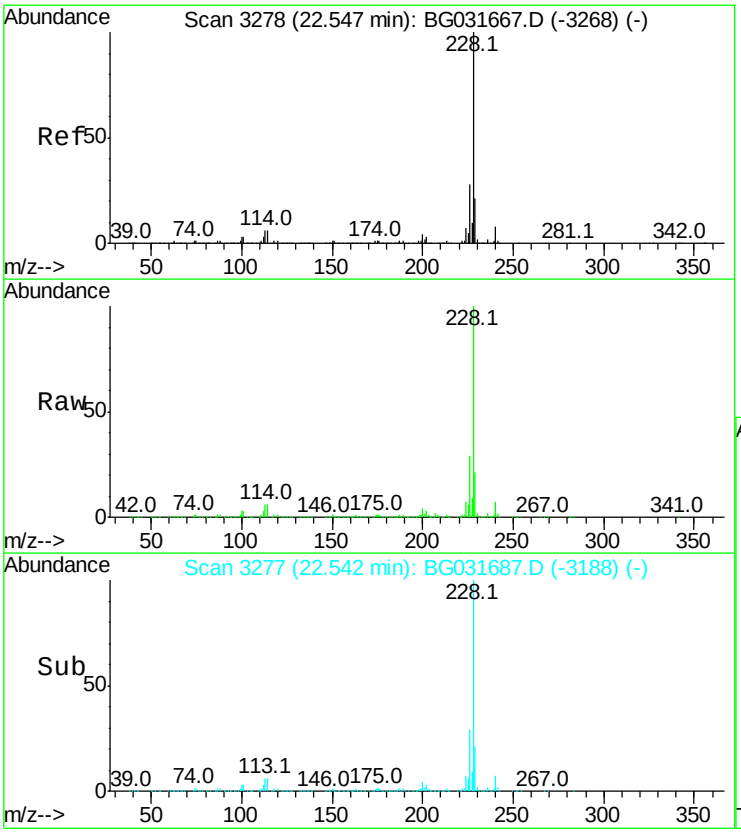
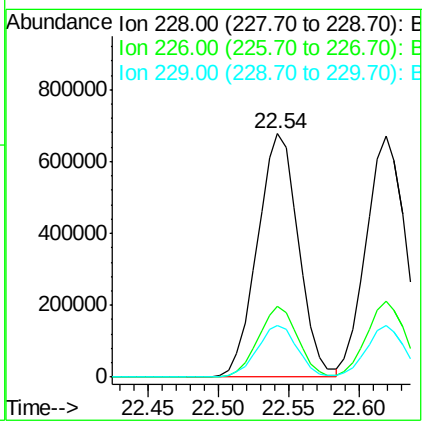


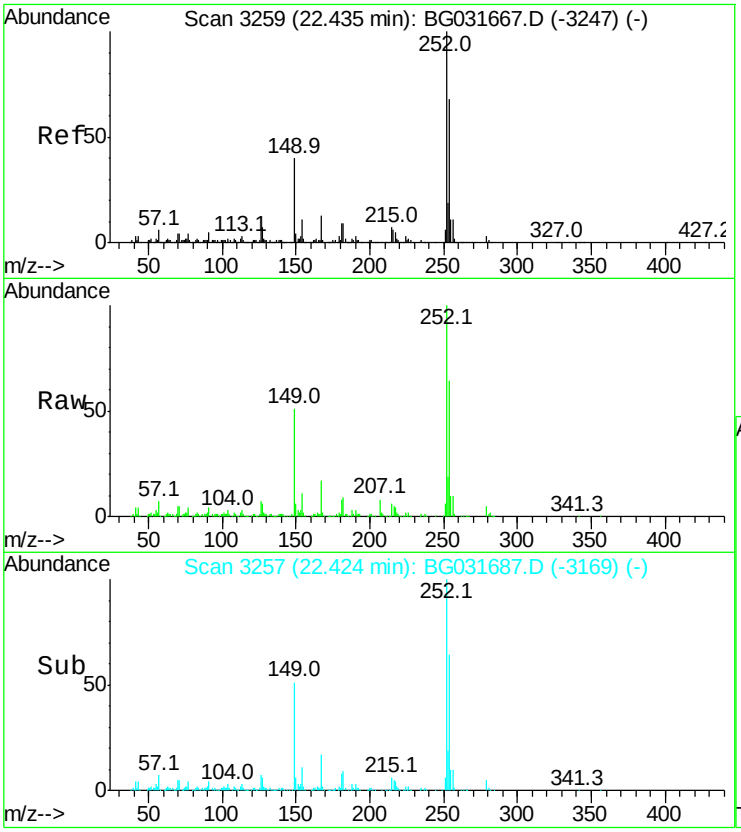




#80
Benzo(a)anthracene
Concen: 45.864 ng
RT: 22.54 min Scan# 3277
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:228 Resp: 1380330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.7 | 34.1 |
| 229 | 21.3 | 16.2 | 24.2 |

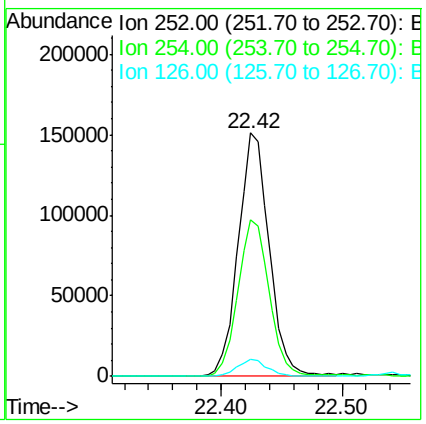





#81
3,3'-Dichlorobenzidine
Concen: 23.232 ng
RT: 22.42 min Scan# 3257
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:252 Resp: 271088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 50.8 | 76.2 |
| 126 | 7.0 | 7.4 | 11.2# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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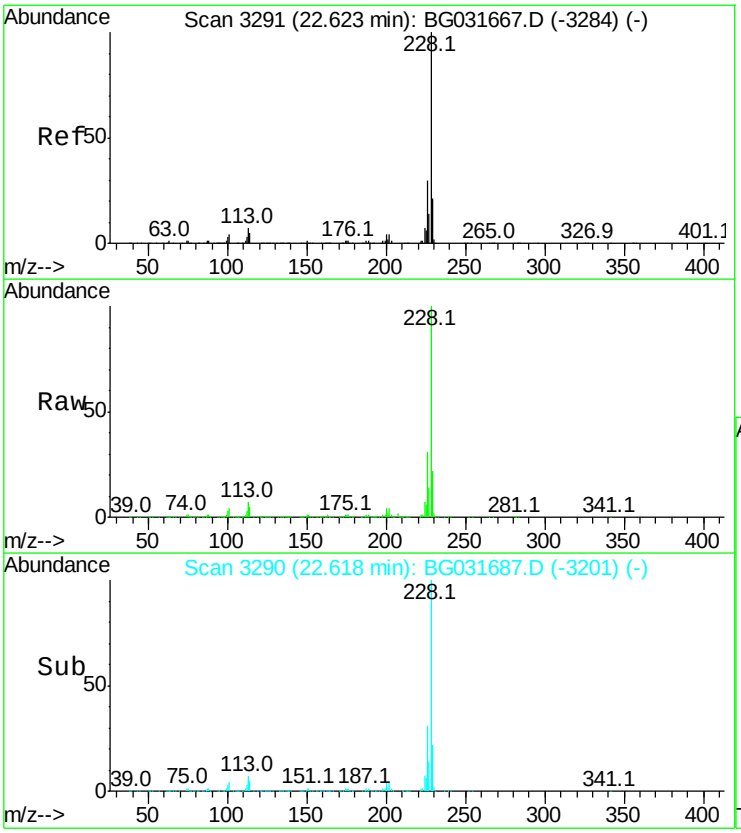
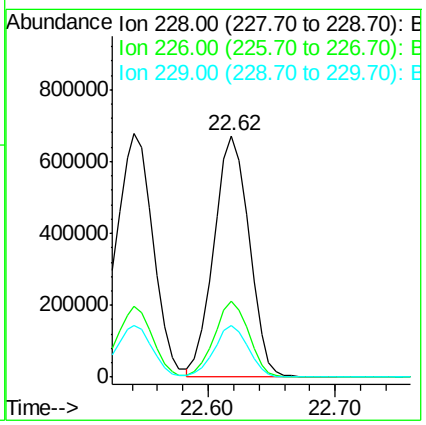
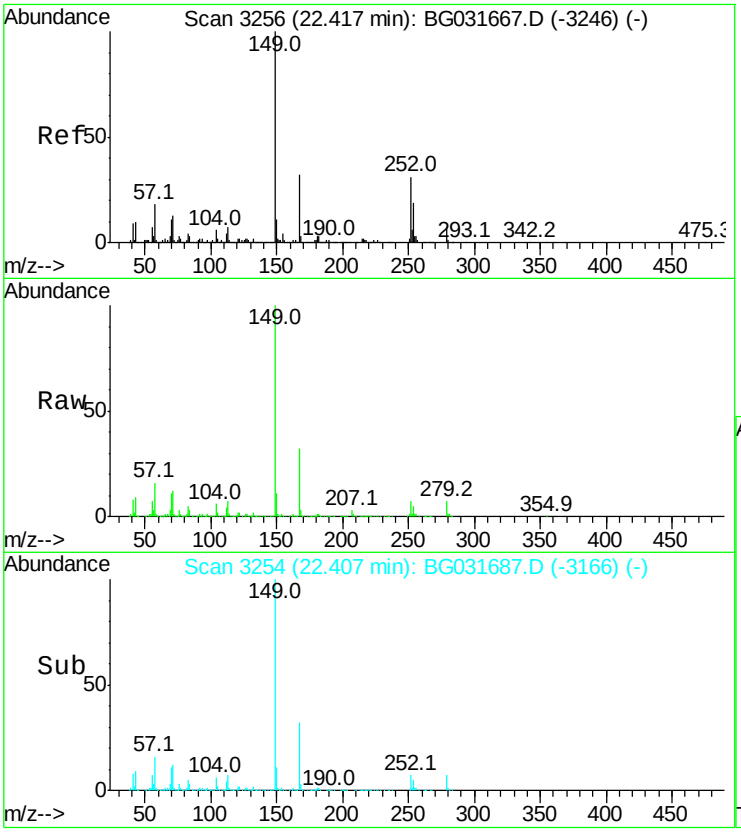



#82
Chrysene
Concen: 45.423 ng
RT: 22.62 min Scan# 3290
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:228 Resp: 1293478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.4 | 24.9 | 37.3 |
| 229 | 21.5 | 15.0 | 22.4 |






#83
Bis(2-ethylhexyl)phthalate
Concen: 46.054 ng
RT: 22.41 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:149 Resp: 676919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 31.8 | 24.3 | 36.5 |
| 279 | 7.3 | 4.0 | 6.0# |

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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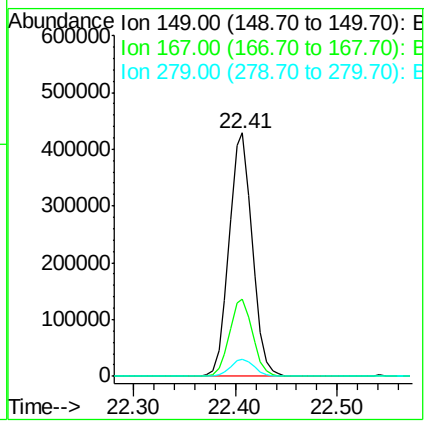
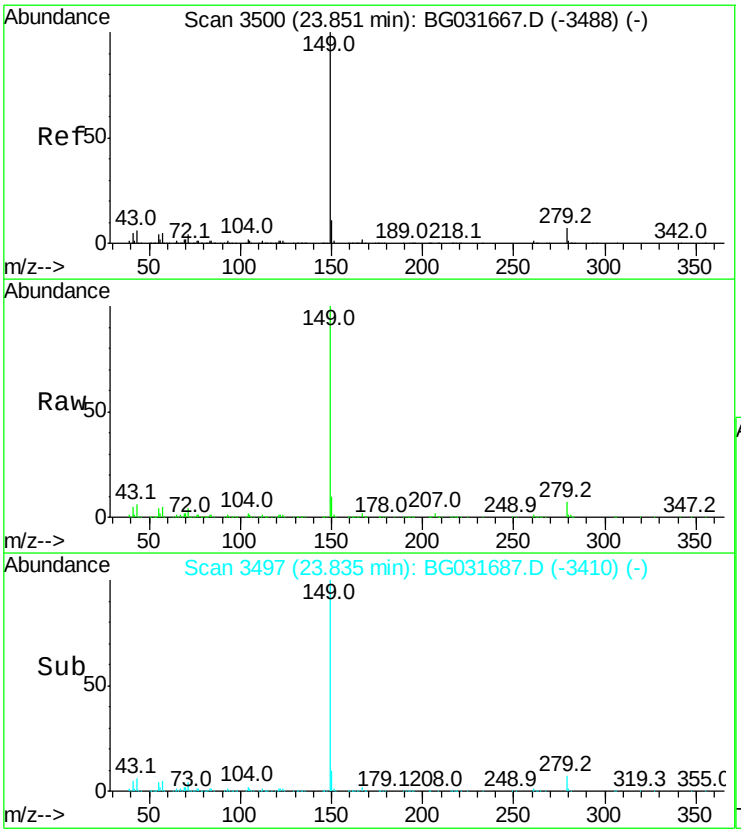
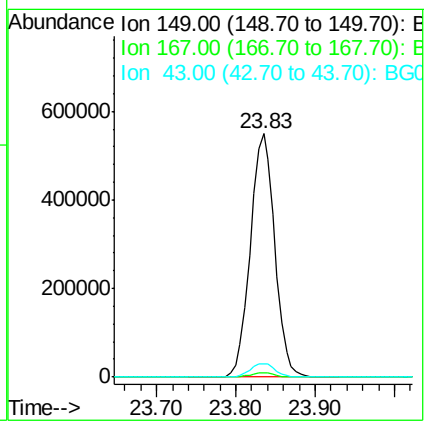


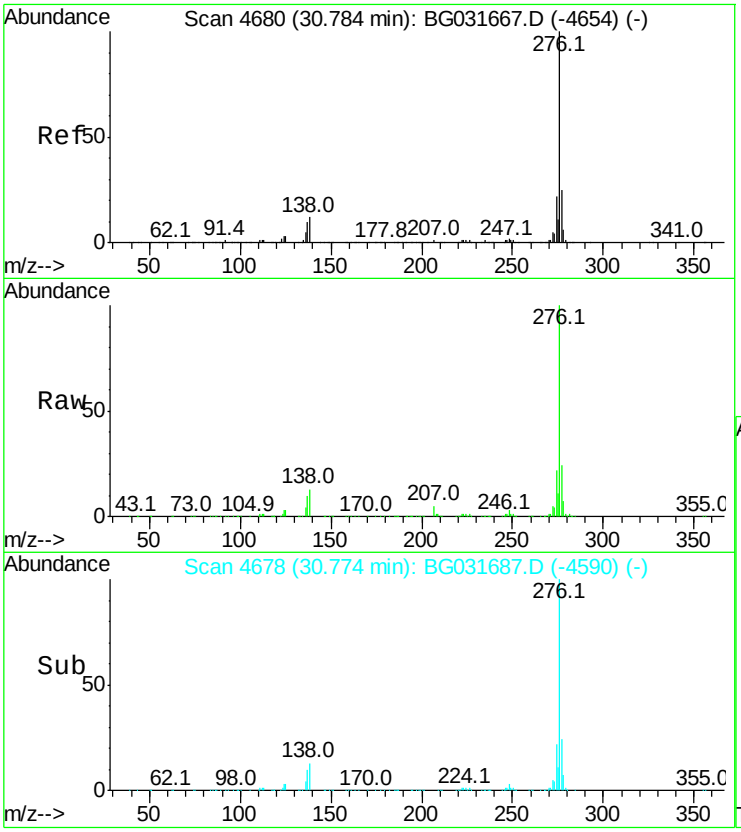




#84
Di-n-octyl phthalate
Concen: 47.597 ng
RT: 23.83 min Scan# 3497
Delta R.T. -0.02 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:149 Resp: 1178242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.8 | 1.4 | 2.0 |
| 43 | 5.8 | 8.9 | 13.3# |

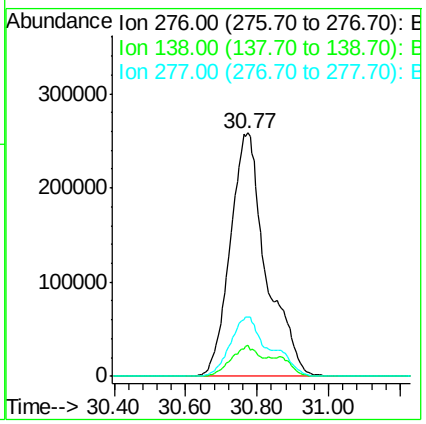





#85
Indeno(1,2,3-cd)pyrene
Concen: 49.368 ng
RT: 30.77 min Scan# 4678
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:276 Resp: 1803512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 9.9 | 16.0 | 24.0# |
| 277 | 26.6 | 20.0 | 30.0 |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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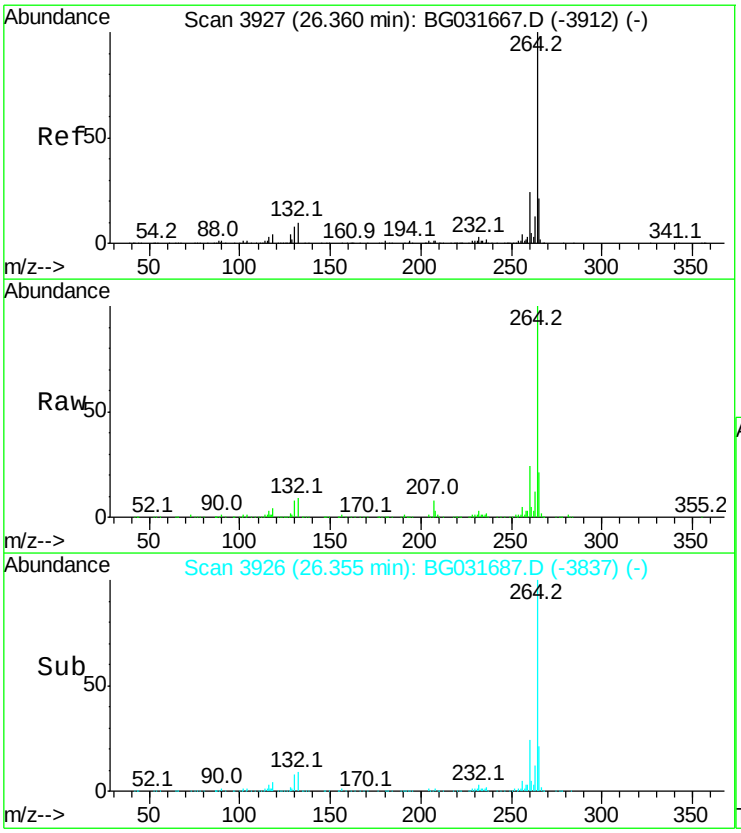
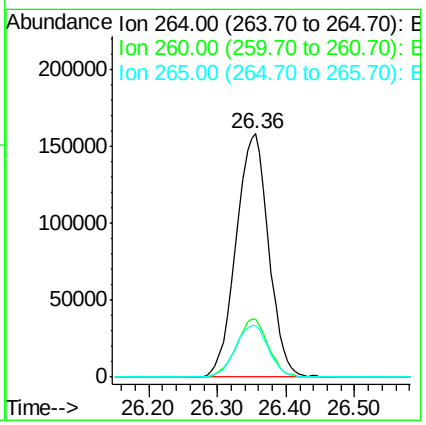
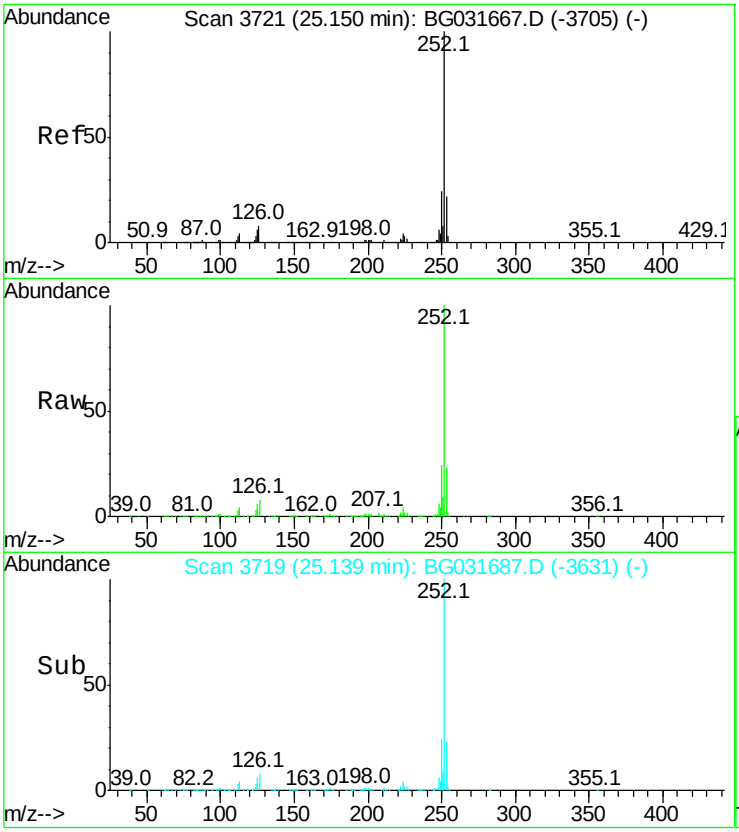



#86
Perylene-d12
Concen: 20.000 ng
RT: 26.36 min Scan# 3926
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:264 Resp: 521617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 17.4 | 26.0 |
| 265 | 21.2 | 17.7 | 26.5 |

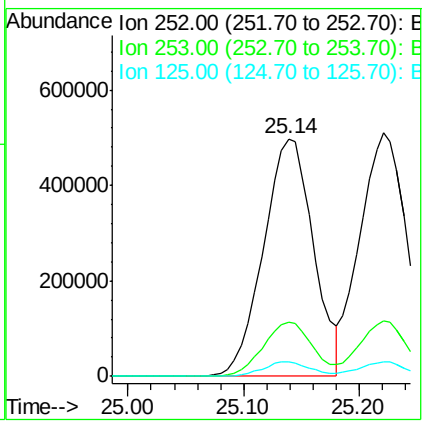





#87
Benzo(b)fluoranthene
Concen: 46.152 ng
RT: 25.14 min Scan# 3719
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:252 Resp: 1494354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 18.2 | 27.4 |
| 125 | 5.8 | 7.2 | 10.8# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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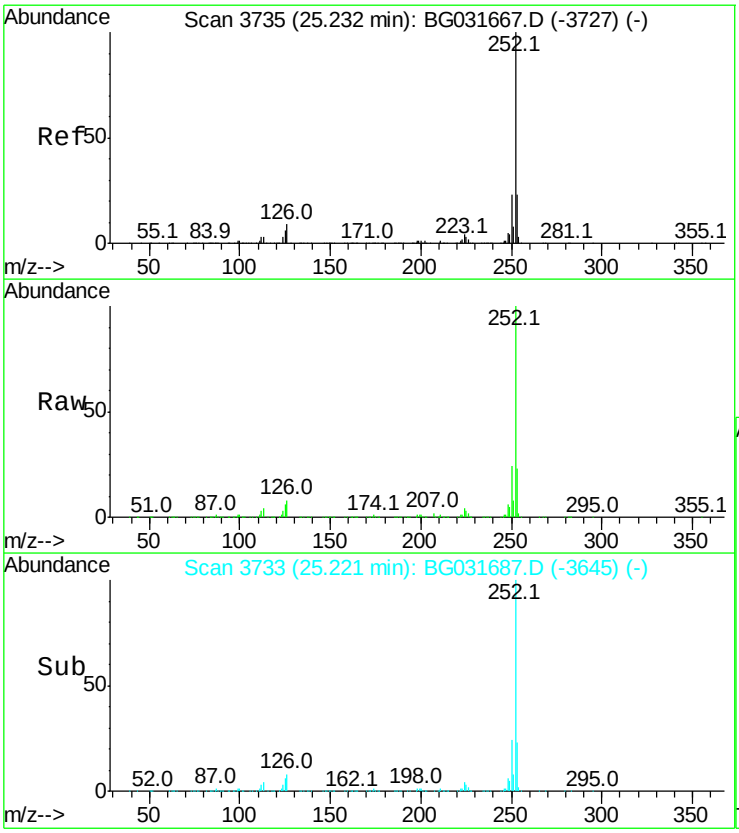
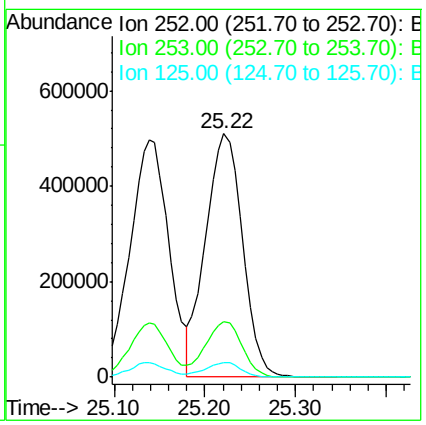
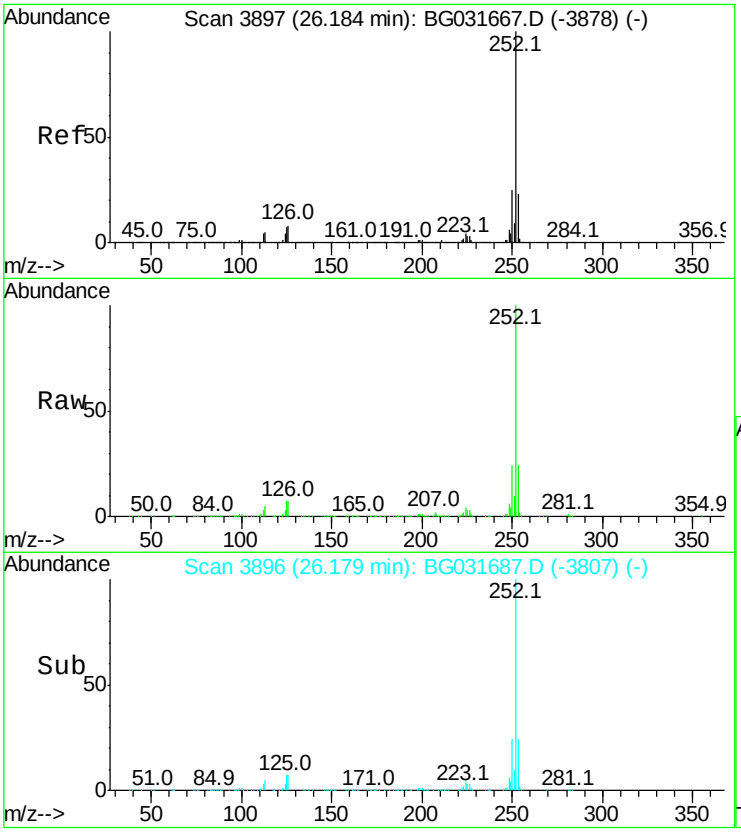



#88
Benzo(k)fluoranthene
Concen: 44.447 ng
RT: 25.22 min Scan# 3733
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:252 Resp: 1440265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.4 | 26.2 |
| 125 | 6.0 | 6.6 | 9.8# |

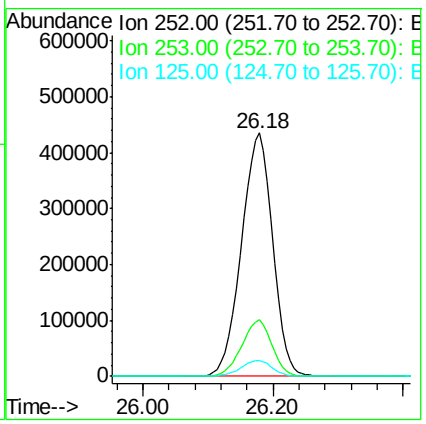





#89
Benzo(a)pyrene
Concen: 46.567 ng
RT: 26.18 min Scan# 3896
Delta R.T. -0.00 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:252 Resp: 1444055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 18.3 | 27.5 |
| 125 | 6.5 | 7.3 | 10.9# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

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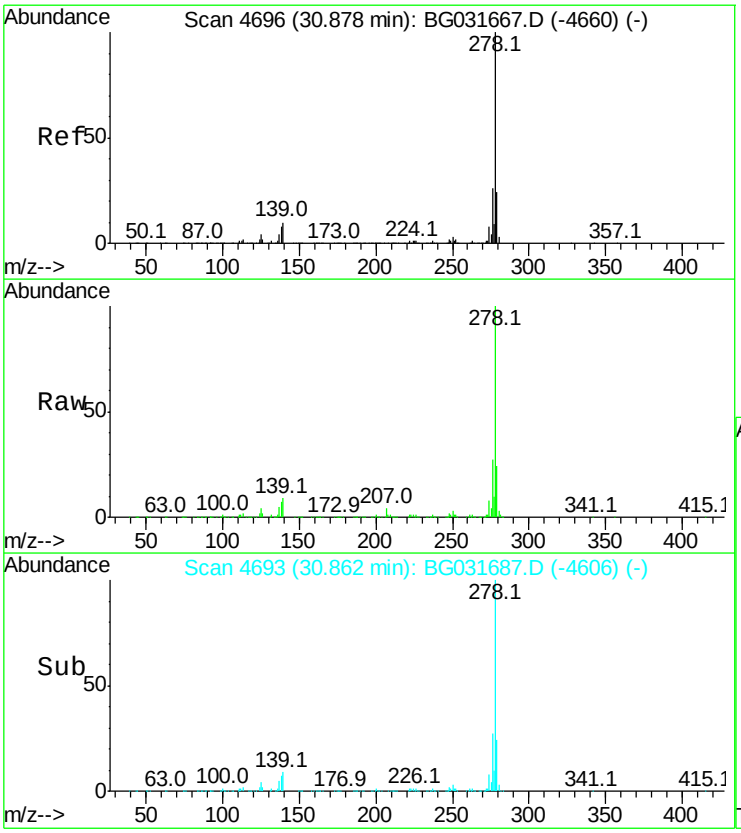
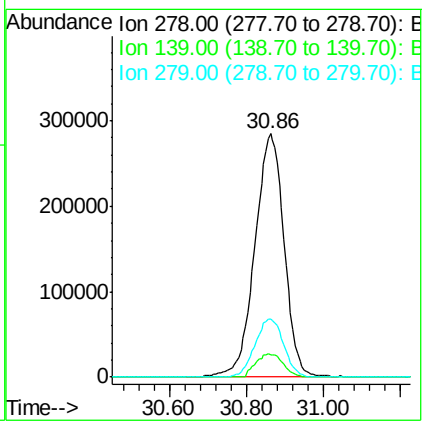
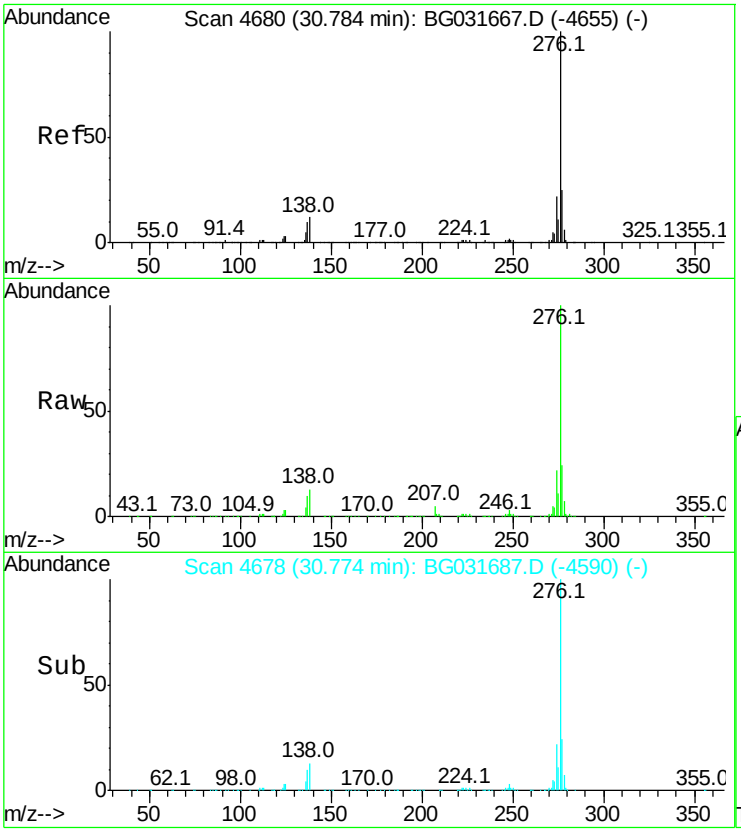



#90
Dibenzo(a,h)anthracene
Concen: 46.989 ng
RT: 30.86 min Scan# 4693
Delta R.T. -0.02 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:278 Resp: 1504909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 9.4 | 9.8 | 14.6# |
| 279 | 24.0 | 18.4 | 27.6 |

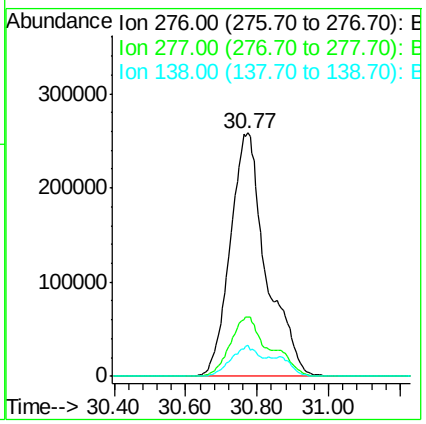





#91
Benzo(g,h,i)perylene
Concen: 47.696 ng
RT: 30.77 min Scan# 4678
Delta R.T. -0.01 min
Lab File: BG031687.D
Acq: 21 Dec 2017 23:44

Tgt Ion:276 Resp: 1803512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.5 | 18.3 | 27.5 |
| 138 | 12.6 | 13.9 | 20.9# |




**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-121917-AMSD

**Manual Integrations APPROVED**
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