Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120915\
Data File : BG020035.D
Acq On : 9 Dec 2015 9:24
Operator : UM/SJ
Sample : PB87048BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
Mmdadoda
12/9/2015 6:14:19 PM

Quant Time: Dec 09 14:34:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 16837 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.93 | 136 | 75380 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 54472 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.48 | 188 | 135411 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 21.76 | 240 | 169366 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.03 | 264 | 158369 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 89163 | 95.71 | ng | | -0.01 |
| 7) Phenol-d6 | 7.26 | 99 | 132329 | 94.08 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 125767 | 85.15 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 70267 | 84.31 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 321206 | 80.51 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.08 | 244 | 592508 | 85.33 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 11500 | 31.69 | ng | # | 100 |
| 3) Pyridine | 3.92 | 79 | 38333 | 34.78 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 20765 | 35.82 | ng | | 94 |
| 6) Aniline | 7.43 | 93 | 42731 | 23.46 | ng | # | 85 |
| 8) 2-Chlorophenol | 7.67 | 128 | 50562 | 44.51 | ng | | 96 |
| 9) Benzaldehyde | 7.25 | 77 | 9948 | 10.61 | ng | | 84 |
| 10) Phenol | 7.29 | 94 | 69675 | 47.07 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 45151 | 41.18 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 50681 | 39.36 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 51914 | 39.04 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.47 | 146 | 51151 | 40.33 | ng | # | 92 |
| 15) Benzyl Alcohol | 8.34 | 79 | 53241 | 43.14 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 66417 | 37.14 | ng | | 93 |
| 17) 2-Methylphenol | 8.55 | 107 | 47244 | 45.21 | ng | # | 92 |
| 18) Hexachloroethane | 9.20 | 117 | 19069 | 38.30 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 42847 | 38.63 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 66441 | 45.15 | ng | | 93 |
| 22) Acetophenone | 8.93 | 105 | 76813 | 37.17 | ng | # | 94 |
| 24) Nitrobenzene | 9.32 | 77 | 65901 | 41.13 | ng | | 90 |
| 25) Isophorone | 9.84 | 82 | 115933 | 36.61 | ng | # | 96 |
| 26) 2-Nitrophenol | 10.04 | 139 | 29004 | 46.87 | ng | # | 74 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 54315 | 42.15 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 65936 | 42.61 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 61686 | 46.86 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 58705 | 39.46 | ng | | 98 |
| 31) Naphthalene | 10.98 | 128 | 163202 | 40.41 | ng | | 98 |
| 32) Benzoic acid | 10.21 | 122 | 39163 | 45.46 | ng | | 90 |
| 33) 4-Chloroaniline | 11.08 | 127 | 29308 | 16.47 | ng | # | 90 |
| 34) Hexachlorobutadiene | 11.26 | 225 | 41678 | 37.98 | ng | | 98 |
| 35) Caprolactam | 11.86 | 113 | 21280m | 43.43 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.19 | 107 | 70372 | 42.93 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 127369 | 43.04 | ng | # | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 82107 | 39.72 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 12.92 | 237 | 78709 | 66.78 | ng | | 97 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120915\
Data File : BG020035.D
Acq On : 9 Dec 2015 9:24
Operator : UM/SJ
Sample : PB87048BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
Mmdadoda
12/9/2015 6:14:19 PM

Quant Time: Dec 09 14:34:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.17 | 196 | 56954 | 41.62 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.25 | 196 | 64173 | 44.37 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.58 | 154 | 170398 | 38.12 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.62 | 162 | 137835 | 40.00 | ng | | 95 |
| 47) 2-Nitroaniline | 13.82 | 65 | 49185 | 45.19 | ng | | 88 |
| 48) Acenaphthylene | 14.47 | 152 | 230812 | 39.33 | ng | | 99 |
| 49) Dimethylphthalate | 14.19 | 163 | 189507 | 38.67 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 14.31 | 165 | 42330 | 45.95 | ng | # | 81 |
| 51) Acenaphthene | 14.81 | 154 | 139352 | 39.13 | ng | | 99 |
| 52) 3-Nitroaniline | 14.64 | 138 | 29024 | 30.32 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 14.84 | 184 | 38316 | 78.37 | ng | | 89 |
| 54) Dibenzofuran | 15.14 | 168 | 232027 | 43.79 | ng | | 93 |
| 55) 4-Nitrophenol | 14.94 | 139 | 69087 | 82.88 | ng | # | 69 |
| 56) 2,4-Dinitrotoluene | 15.09 | 165 | 59485 | 46.28 | ng | # | 95 |
| 57) Fluorene | 15.78 | 166 | 187249 | 39.49 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 61464 | 45.91 | ng | | 98 |
| 59) Diethylphthalate | 15.55 | 149 | 197153 | 37.18 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204 | 105501 | 38.75 | ng | | 97 |
| 61) 4-Nitroaniline | 15.80 | 138 | 45171 | 41.96 | ng | # | 73 |
| 62) Azobenzene | 16.06 | 77 | 185183 | 41.97 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 33127 | 44.11 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 170957 | 43.63 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 70109 | 41.67 | ng | | 98 |
| 67) Hexachlorobenzene | 16.79 | 284 | 76651 | 43.73 | ng | | 96 |
| 68) Atrazine | 16.93 | 200 | 63462 | 37.28 | ng | | 94 |
| 69) Pentachlorophenol | 17.13 | 266 | 95247 | 93.10 | ng | | 96 |
| 70) Phenanthrene | 17.53 | 178 | 322255 | 42.06 | ng | | 96 |
| 71) Anthracene | 17.62 | 178 | 330568 | 42.36 | ng | | 97 |
| 72) Carbazole | 17.88 | 167 | 289549 | 42.12 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.43 | 149 | 343423 | 40.76 | ng | | 98 |
| 74) Fluoranthene | 19.52 | 202 | 413597 | 42.21 | ng | | 95 |
| 76) Benzidine | 19.70 | 184 | 116152 | 20.88 | ng | | 97 |
| 77) Pyrene | 19.89 | 202 | 429255 | 43.08 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.76 | 149 | 163377 | 41.83 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.73 | 228 | 441244 | 42.56 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 117286 | 29.71 | ng | # | 97 |
| 82) Chrysene | 21.80 | 228 | 396976 | 40.33 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 236613 | 41.28 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.87 | 149 | 404809 | 43.44 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 28.78 | 276 | 472289 | 43.56 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.99 | 252 | 423980 | 42.24 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.06 | 252 | 407860 | 41.03 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.88 | 252 | 409844 | 43.01 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 28.86 | 278 | 394907 | 41.95 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 29.95 | 276 | 383805 | 41.52 | ng | # | 90 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120915\
Data File : BG020035.D
Acq On : 9 Dec 2015 9:24
Operator : UM/SJ
Sample : PB87048BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 09 14:34:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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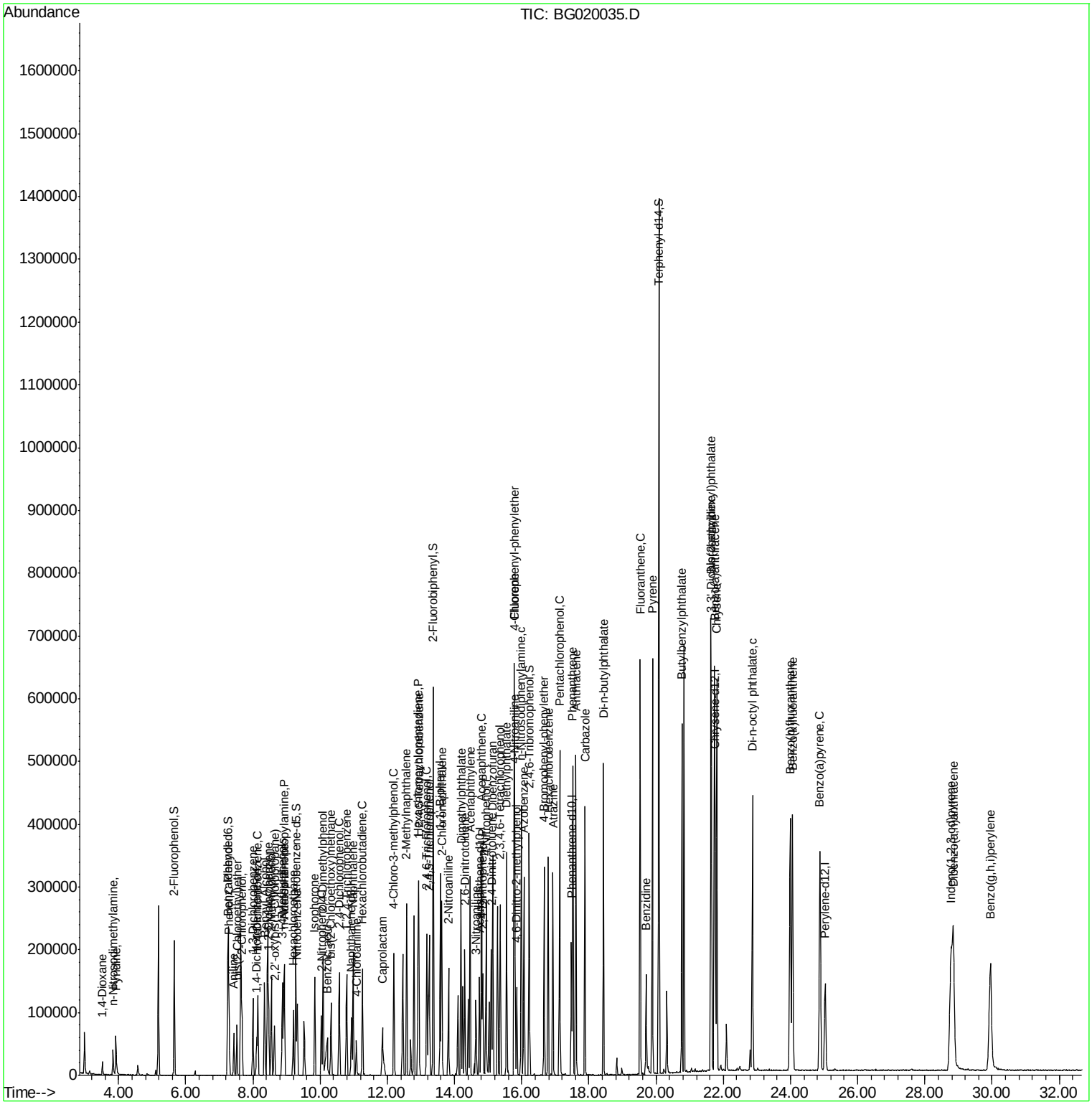
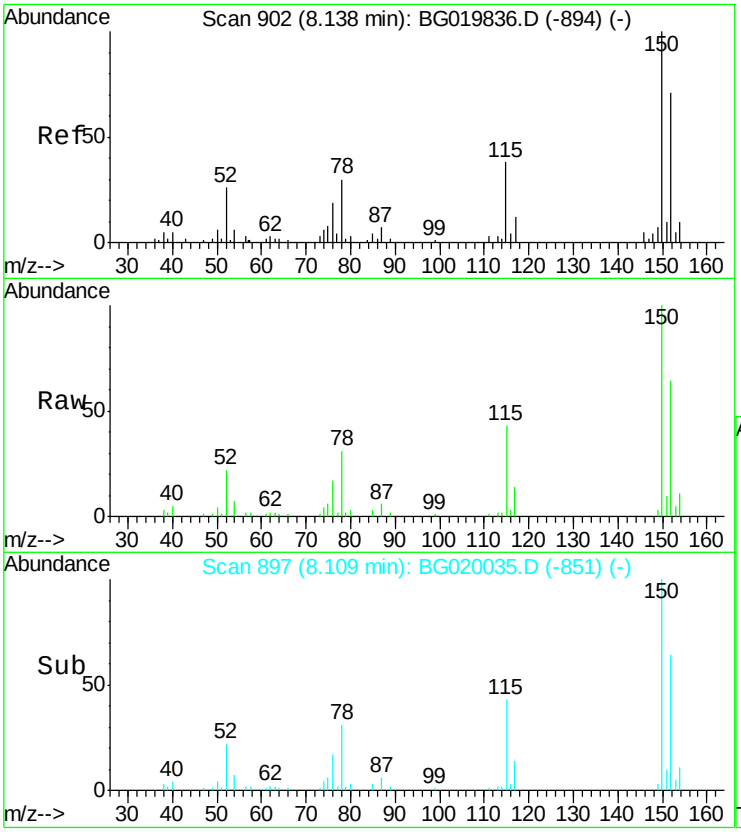
12/9/2015 6:14:19 PM

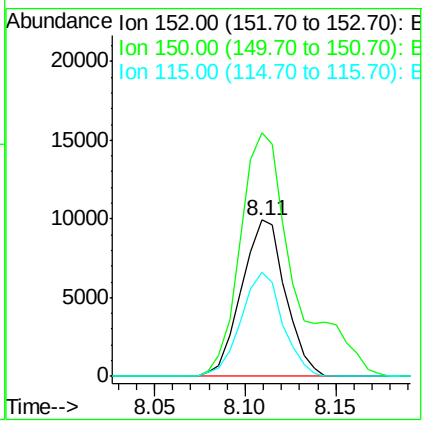





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:152 Resp: 16837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 115.0 | 172.4 |
| 115 | 66.7 | 43.9 | 65.9# |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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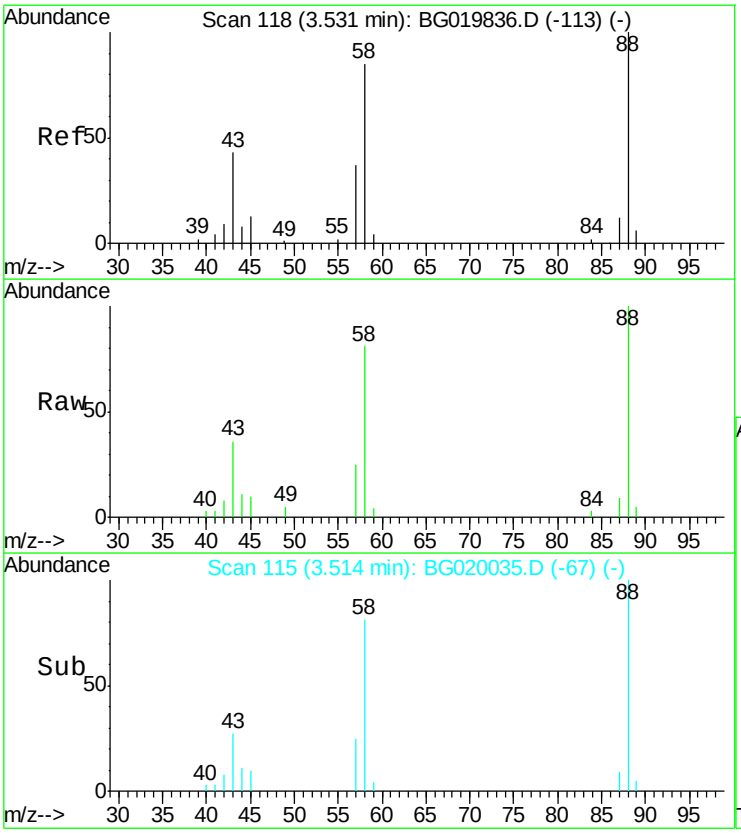
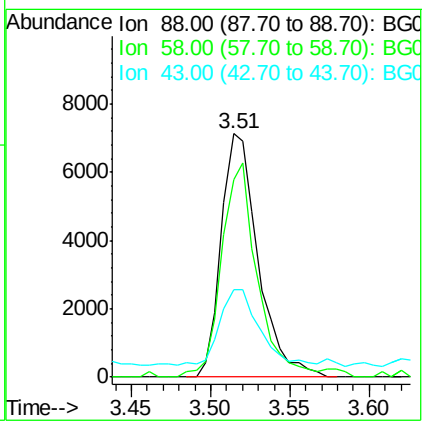
12/9/2015 6:14:19 PM

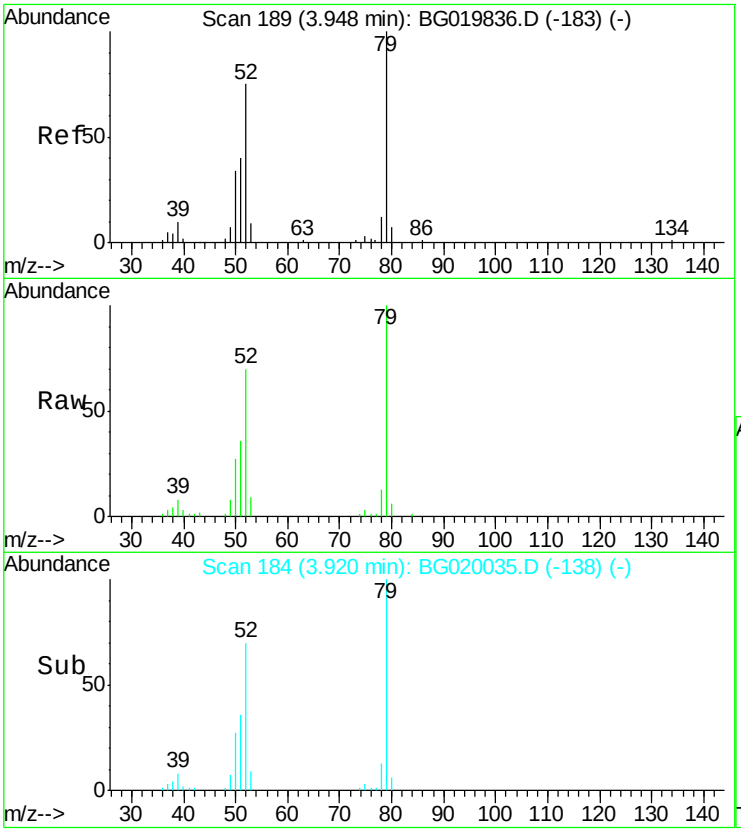



#2
1,4-Dioxane
Concen: 31.69 ng
RT: 3.51 min Scan# 115
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 88 Resp: 11500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 84.9 | 0.0 | 0.0# |
| 43 | 33.9 | 0.0 | 0.0# |

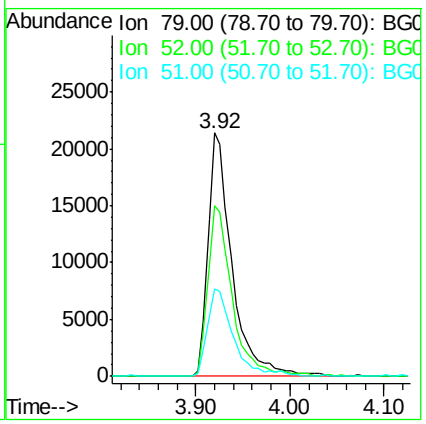





#3
Pyridine
Concen: 34.78 ng
RT: 3.92 min Scan# 184
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 79 Resp: 38333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.3 | 50.3 | 75.5 |
| 51 | 35.7 | 24.8 | 37.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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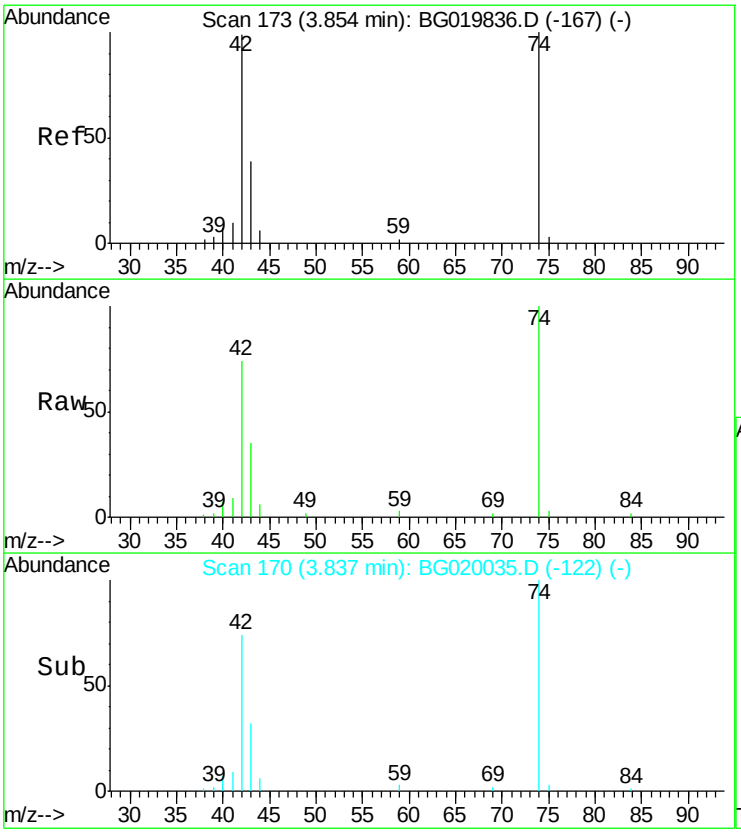
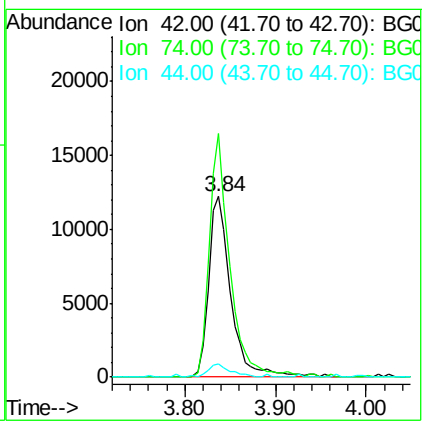
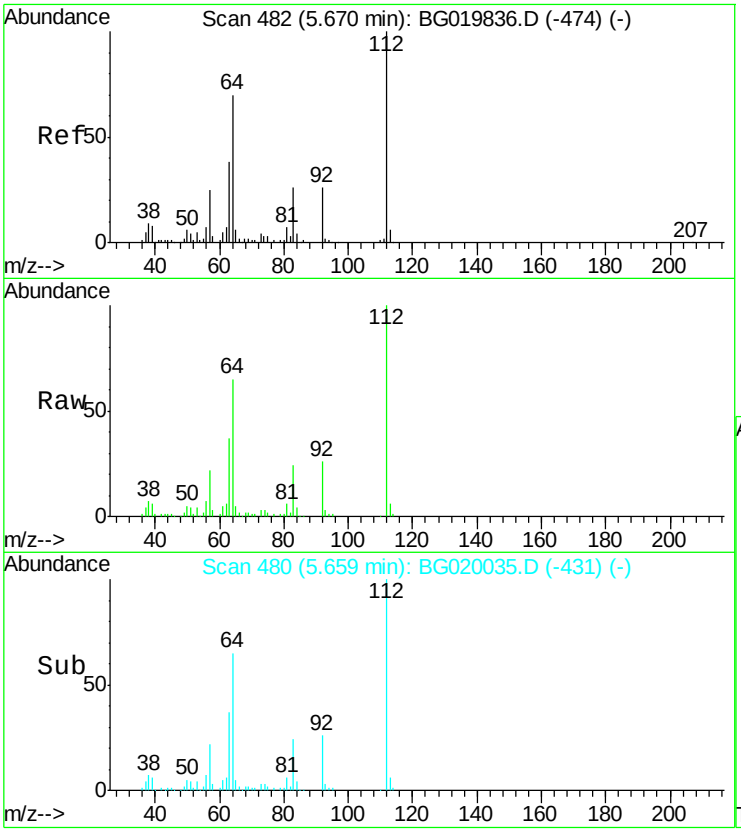



#4
n-Nitrosodimethylamine
Concen: 35.82 ng
RT: 3.84 min Scan# 170
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 42 Resp: 20765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 134.8 | 113.9 | 170.9 |
| 44 | 7.6 | 5.7 | 8.5 |

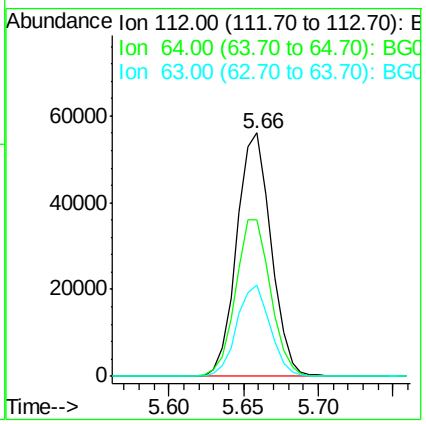





#5
2-Fluorophenol
Concen: 95.71 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:112 Resp: 89163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.5 | 43.7 | 65.5 |
| 63 | 37.3 | 24.0 | 36.0# |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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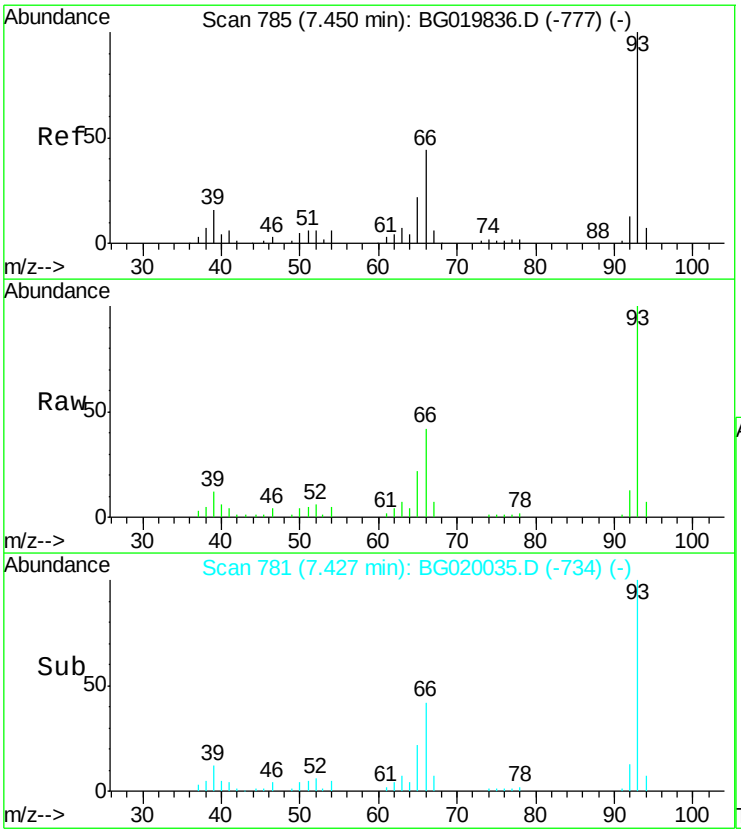
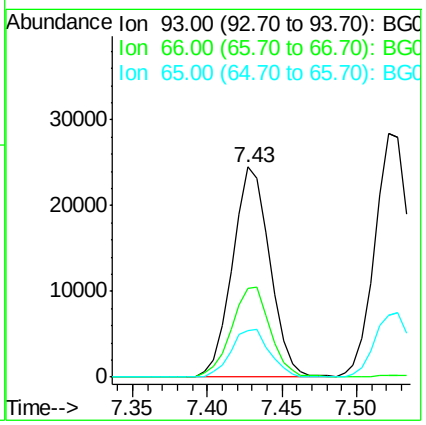
12/9/2015 6:14:19 PM

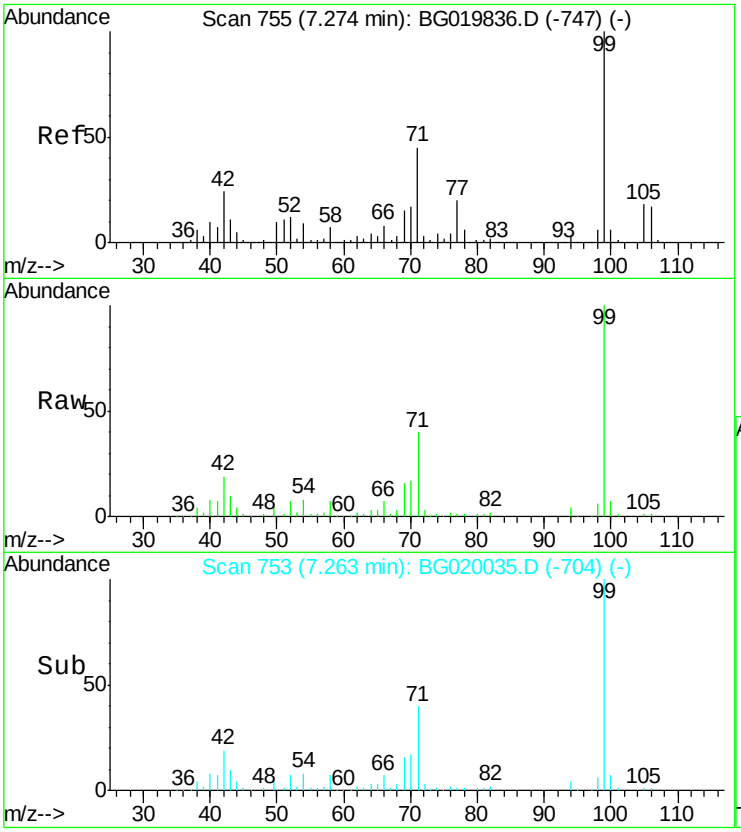



#6
Aniline
Concen: 23.46 ng
RT: 7.43 min Scan# 781
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 93 Resp: 42731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 42.4 | 26.2 | 39.2# |
| 65 | 21.9 | 14.0 | 21.0# |






#7
Phenol-d6
Concen: 94.08 ng
RT: 7.26 min Scan# 753
Delta R.T. -0.01 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 99 Resp: 132329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 11.5 | 17.3# |
| 71 | 39.7 | 22.6 | 34.0# |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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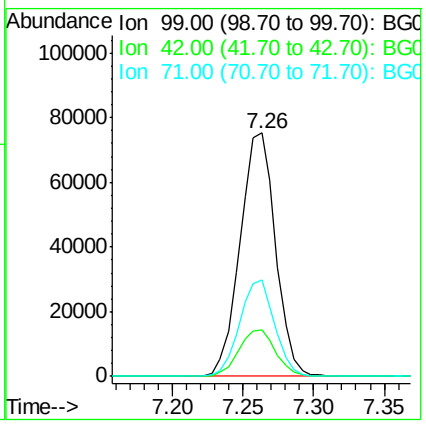
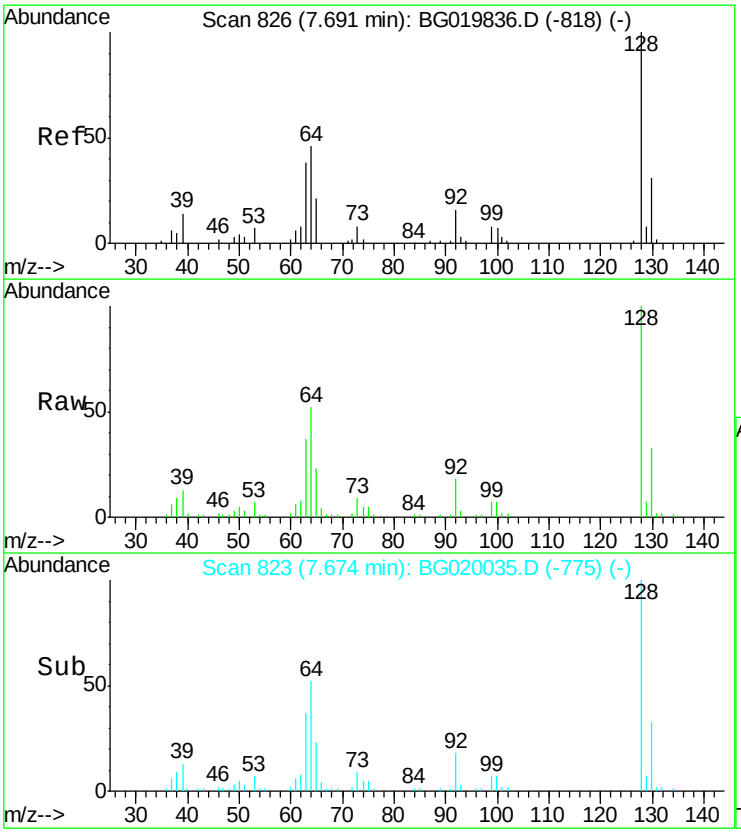
12/9/2015 6:14:19 PM

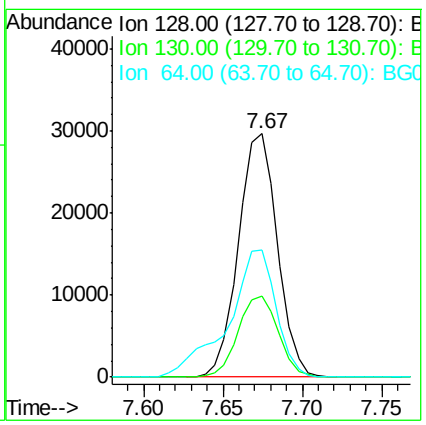


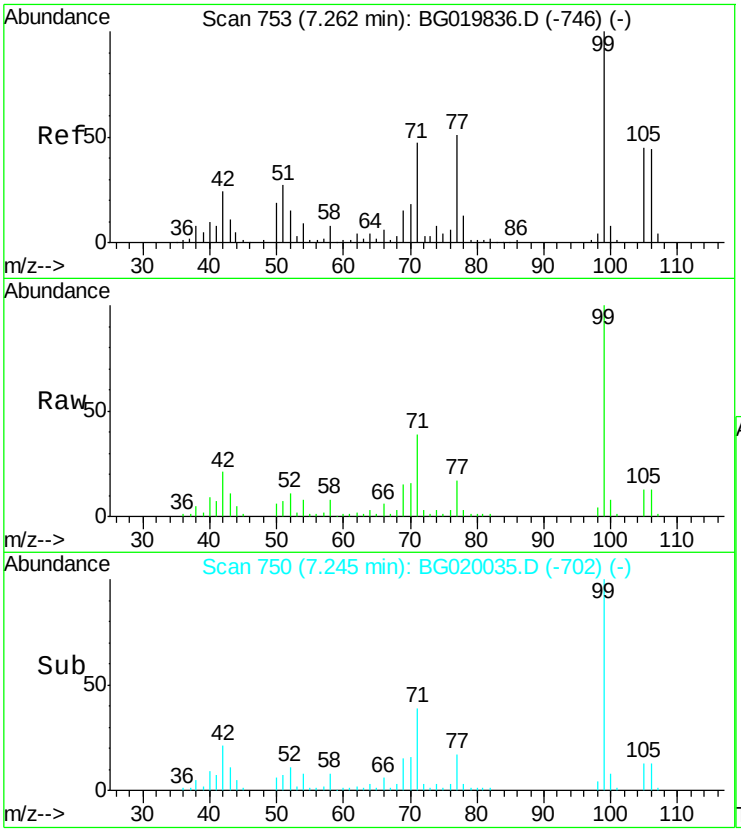




#8
2-Chlorophenol
Concen: 44.51 ng
RT: 7.67 min Scan# 823
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:128 Resp: 50562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.1 | 13.0 | 53.0 |
| 64 | 52.3 | 28.2 | 68.2 |

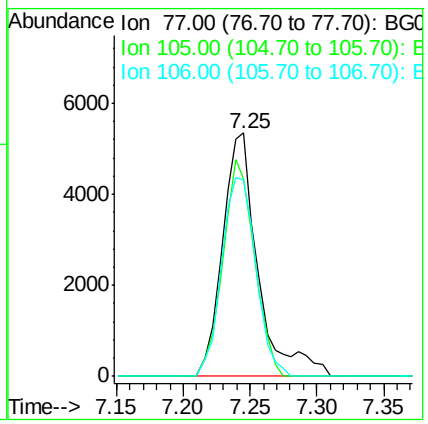





#9
Benzaldehyde
Concen: 10.61 ng
RT: 7.25 min Scan# 750
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

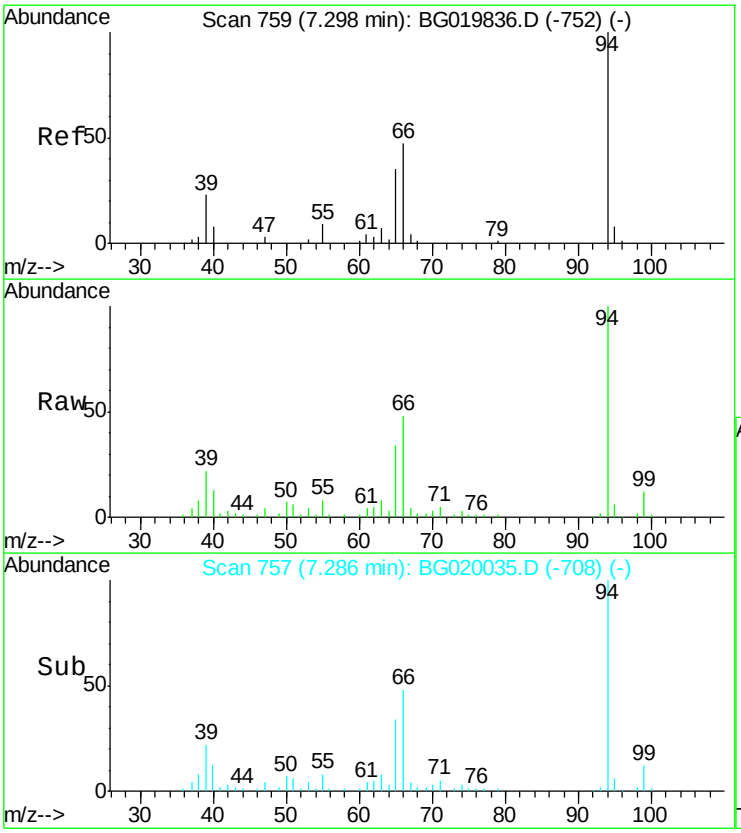
Tgt Ion: 77 Resp: 9948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 81.4 | 77.7 | 117.7 |
| 106 | 80.5 | 75.8 | 115.8 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

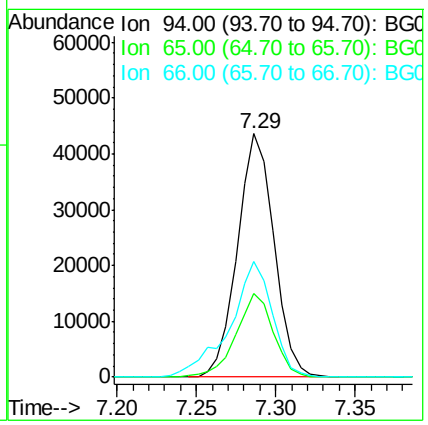
**Manual Integrations APPROVED**
Mmdadoda
12/9/2015 6:14:19 PM

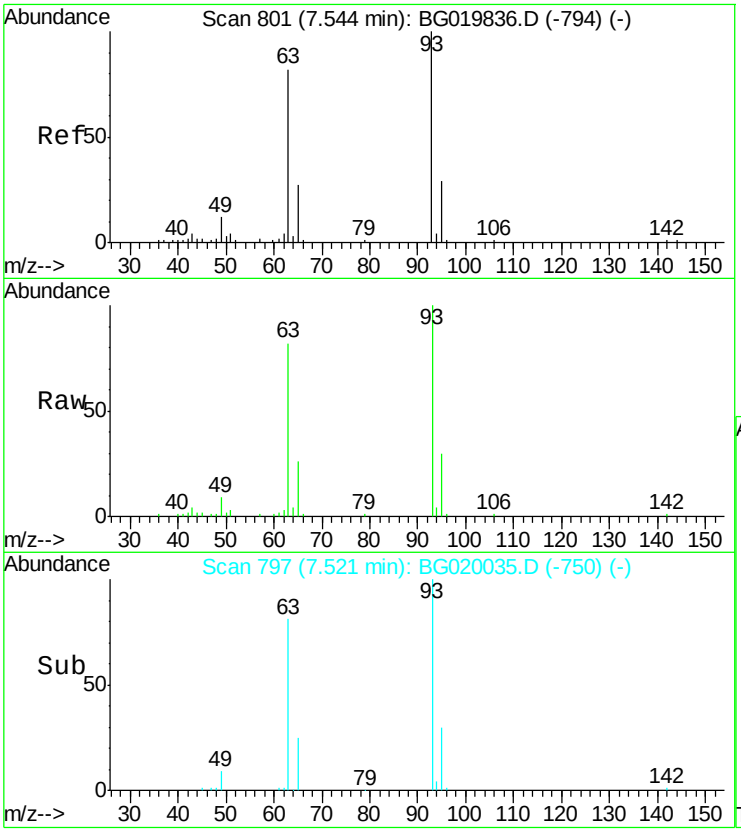



#10
Phenol
Concen: 47.07 ng
RT: 7.29 min Scan# 757
Delta R.T. -0.01 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 94 Resp: 69675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 34.3 | 5.4 | 45.4 |
| 66 | 47.7 | 11.8 | 51.8 |

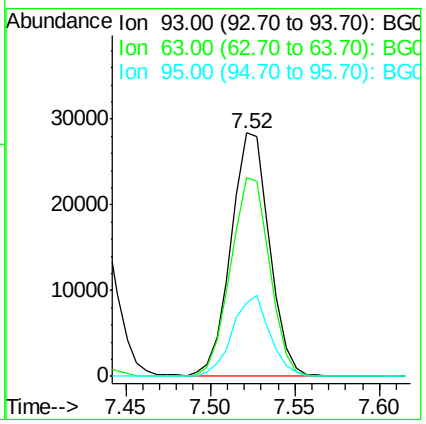





#11
bis(2-Chloroethyl)ether
Concen: 41.18 ng
RT: 7.52 min Scan# 797
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 93 Resp: 45151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 81.6 | 50.5 | 90.5 |
| 95 | 30.2 | 12.2 | 52.2 |




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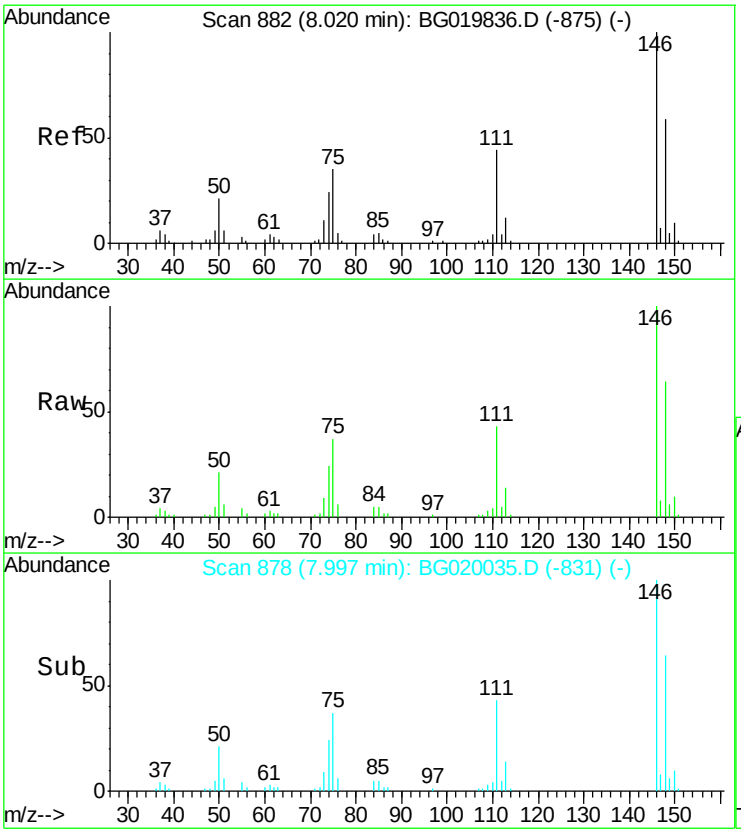
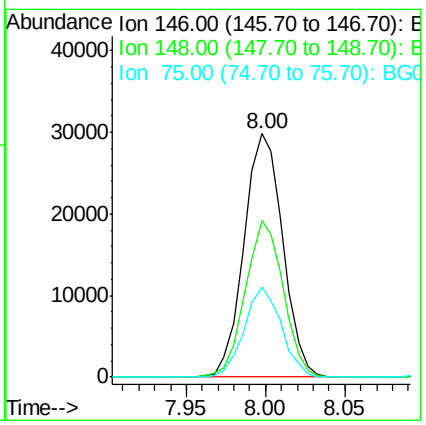
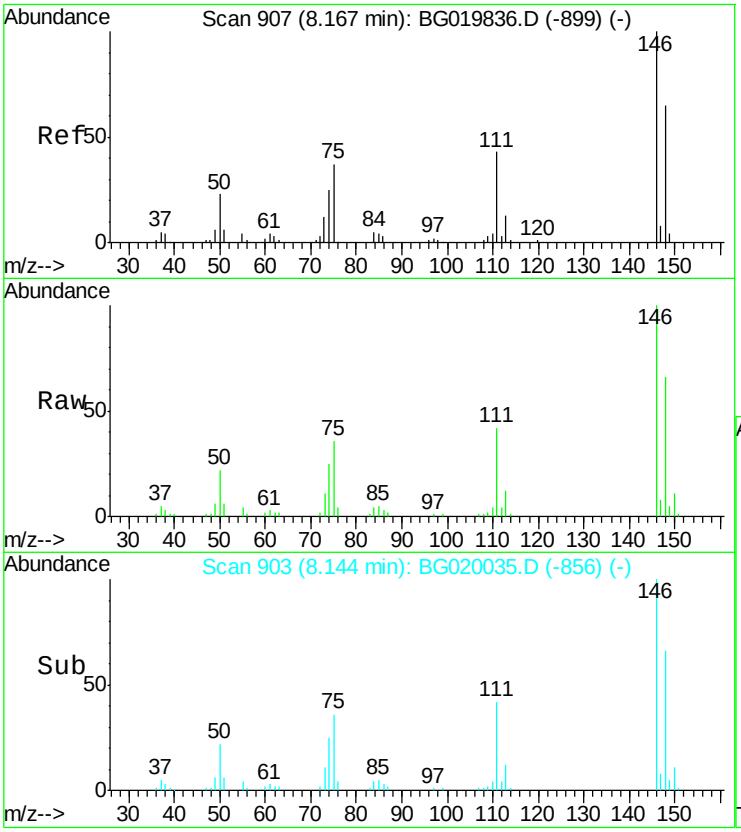



#12
1,3-Dichlorobenzene
Concen: 39.36 ng
RT: 8.00 min Scan# 878
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:146 Resp: 50681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 53.4 | 80.0 |
| 75 | 37.0 | 21.1 | 31.7# |

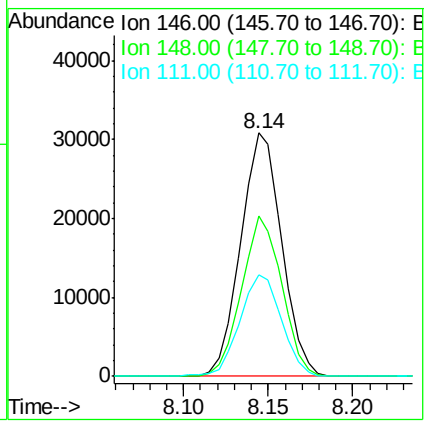





#13
1,4-Dichlorobenzene
Concen: 39.04 ng
RT: 8.14 min Scan# 903
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:146 Resp: 51914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.0 | 52.5 | 78.7 |
| 111 | 41.9 | 28.3 | 42.5 |




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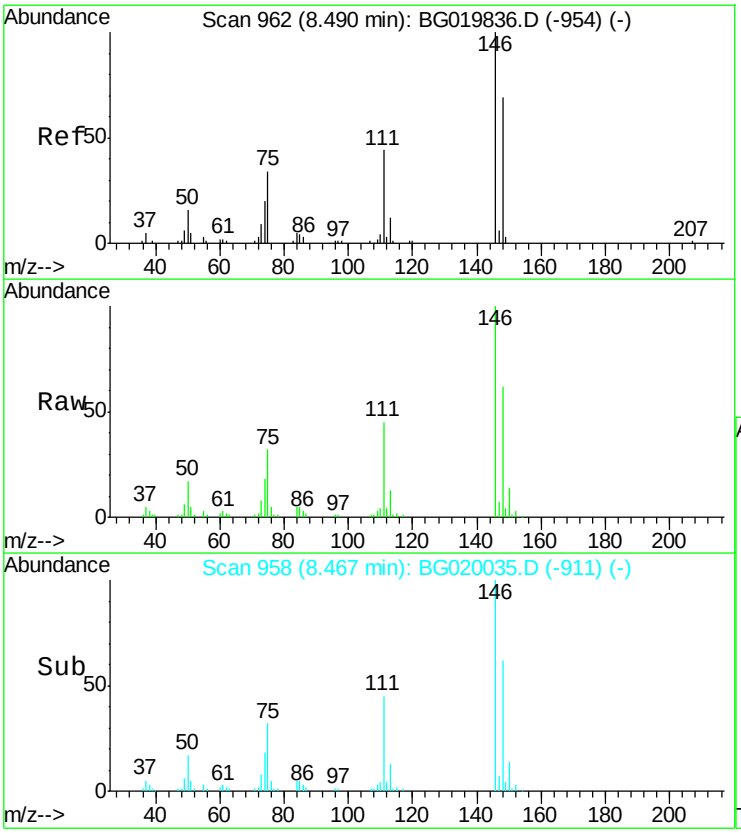
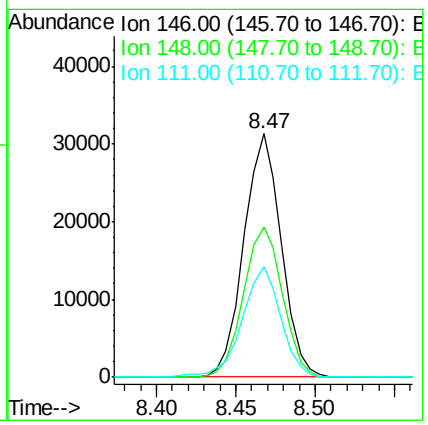
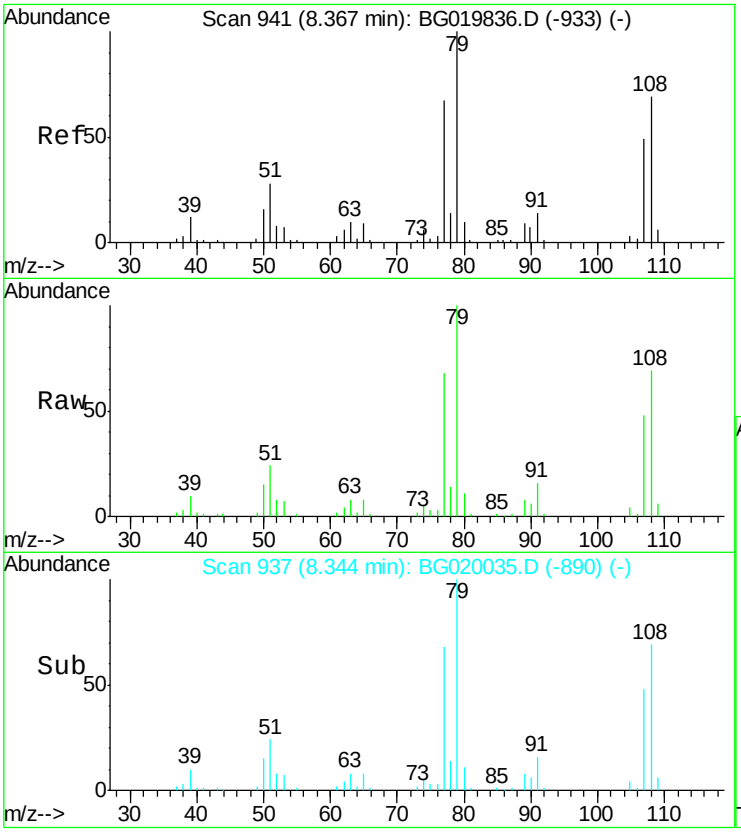



#14
1,2-Dichlorobenzene
Concen: 40.33 ng
RT: 8.47 min Scan# 958
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:146 Resp: 51151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.5 | 52.5 | 78.7 |
| 111 | 45.3 | 29.9 | 44.9# |






#15
Benzyl Alcohol
Concen: 43.14 ng
RT: 8.34 min Scan# 937
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 79 Resp: 53241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 68.8 | 65.5 | 98.3 |
| 77 | 67.8 | 51.3 | 76.9 |

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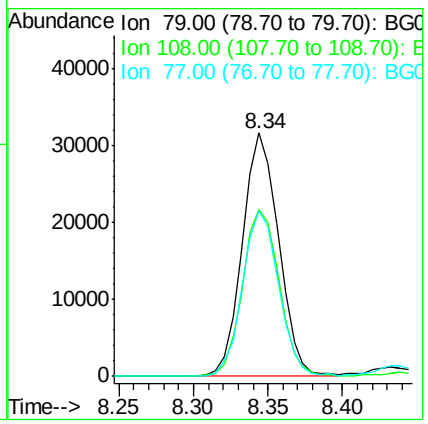
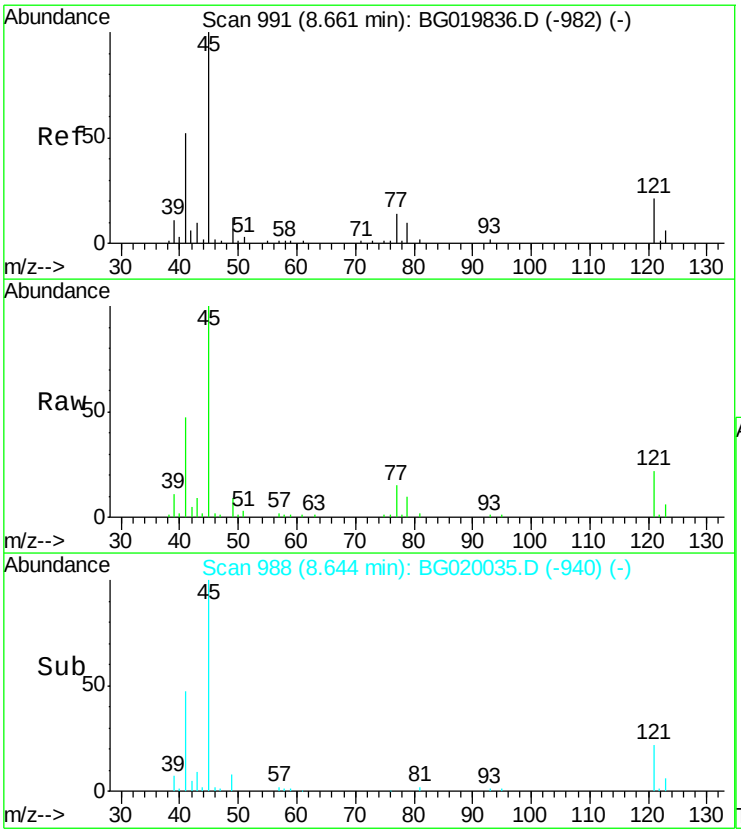
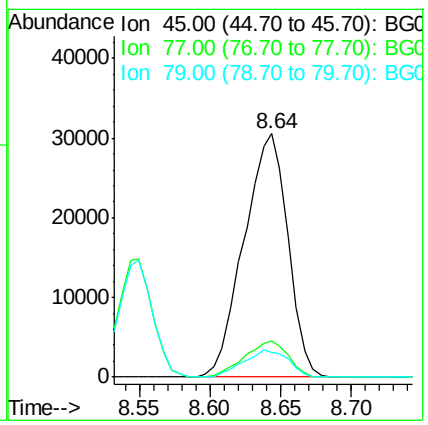


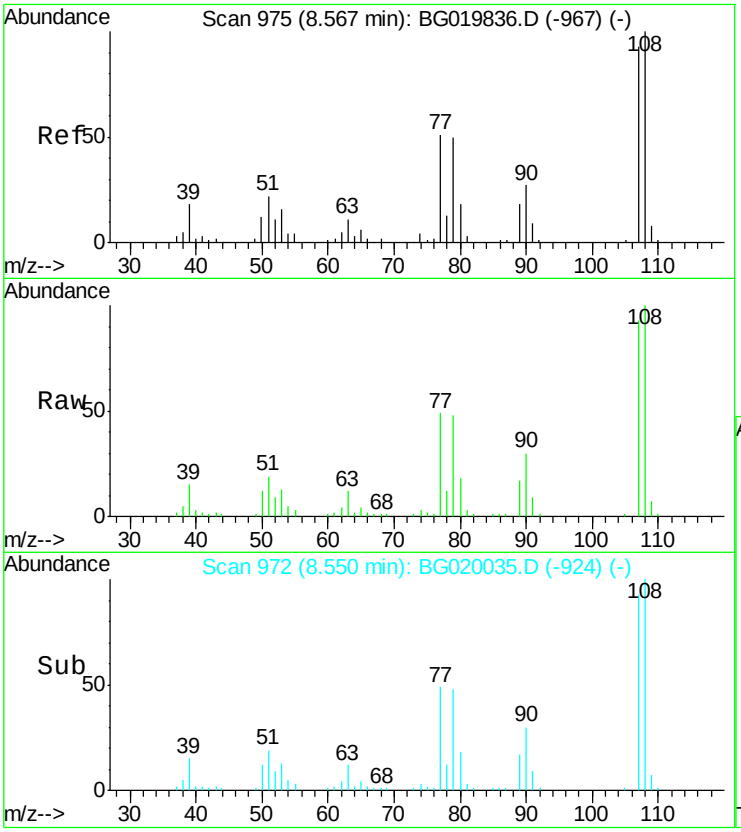




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.14 ng
RT: 8.64 min Scan# 988
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 45 Resp: 66417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.8 | 0.0 | 37.0 |
| 79 | 10.0 | 0.0 | 33.8 |

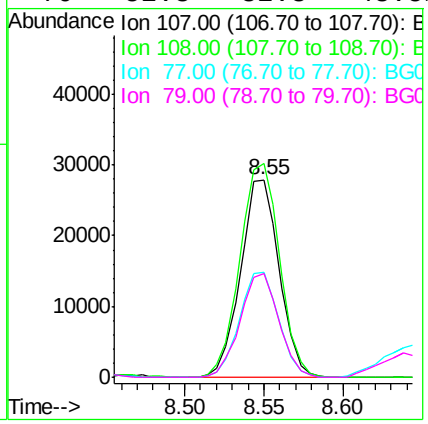





#17
2-Methylphenol
Concen: 45.21 ng
RT: 8.55 min Scan# 972
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:107 Resp: 47244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 108.0 | 86.5 | 129.7 |
| 77 | 53.3 | 34.6 | 51.8# |
| 79 | 52.3 | 32.3 | 48.5# |

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**ClientSampleId :**
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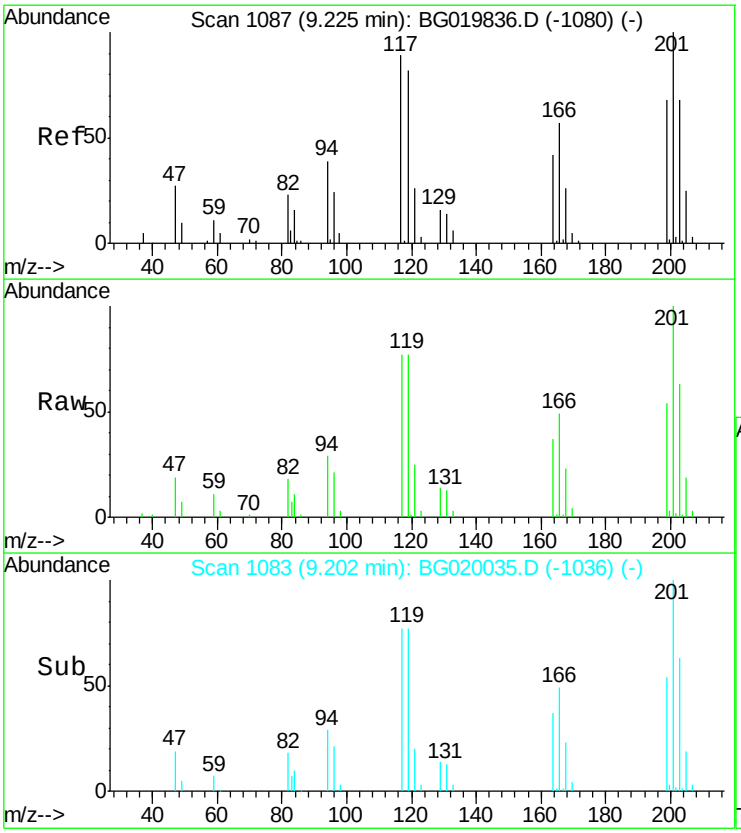
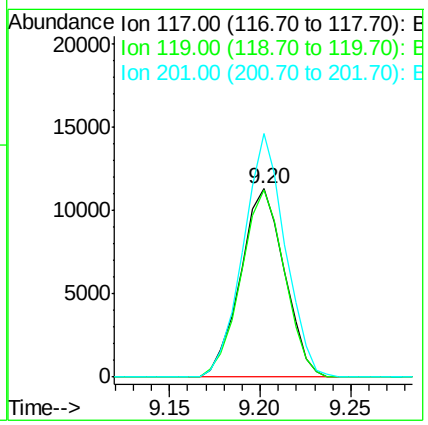
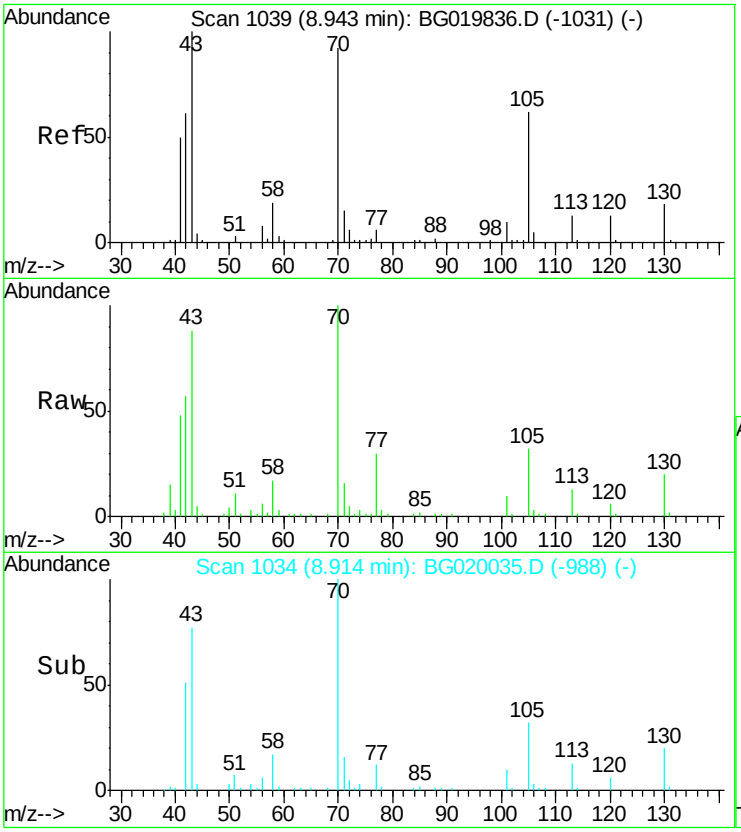



#18
Hexachloroethane
Concen: 38.30 ng
RT: 9.20 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:117 Resp: 19069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.4 | 71.7 | 107.5 |
| 201 | 129.4 | 90.9 | 136.3 |

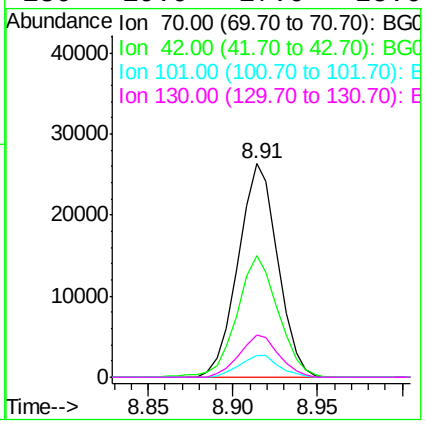





#19
n-Nitroso-di-n-propylamine
Concen: 38.63 ng
RT: 8.91 min Scan# 1034
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 70 Resp: 42847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.8 | 40.6 | 60.8 |
| 101 | 10.2 | 8.6 | 13.0 |
| 130 | 19.9 | 17.0 | 25.6 |




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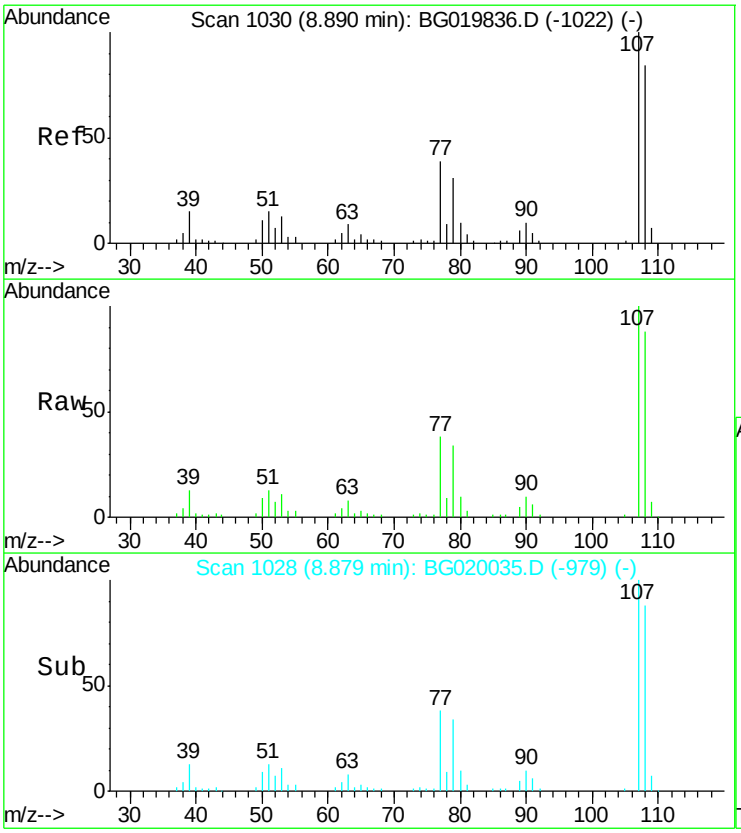
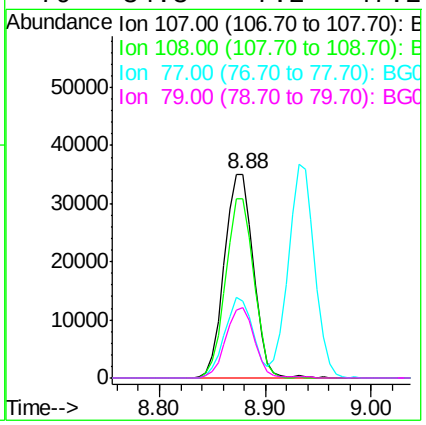
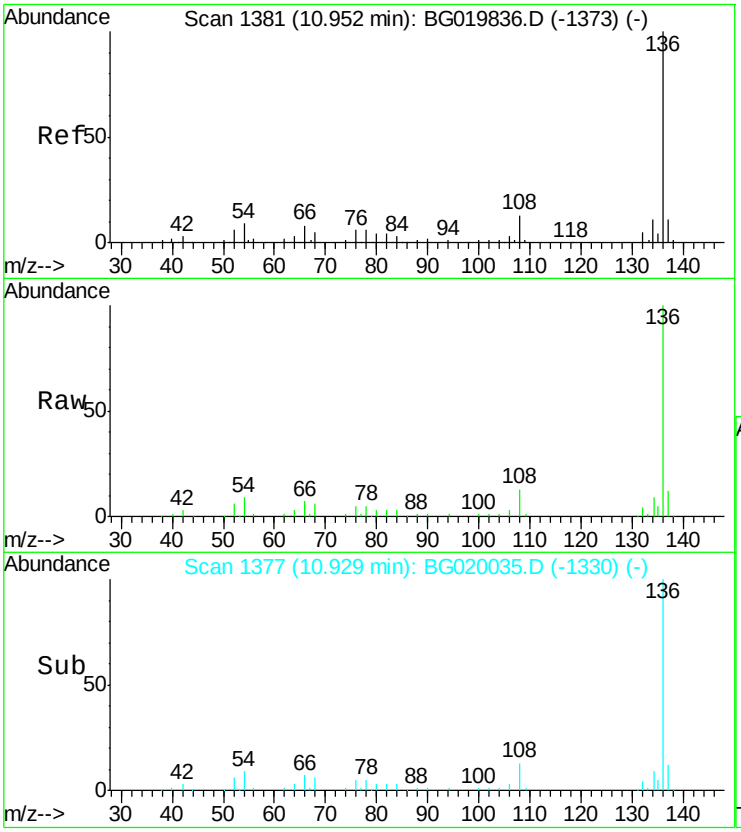



#20
3+4-Methylphenols
Concen: 45.15 ng
RT: 8.88 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:107 Resp: 66441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.2 | 72.2 | 112.2 |
| 77 | 37.9 | 13.4 | 53.4 |
| 79 | 34.3 | 7.2 | 47.2 |

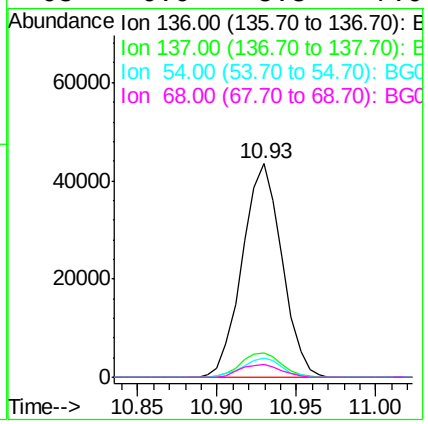





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:136 Resp: 75380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 8.6 | 12.8 |
| 54 | 8.9 | 5.4 | 8.2# |
| 68 | 6.0 | 5.3 | 7.9 |




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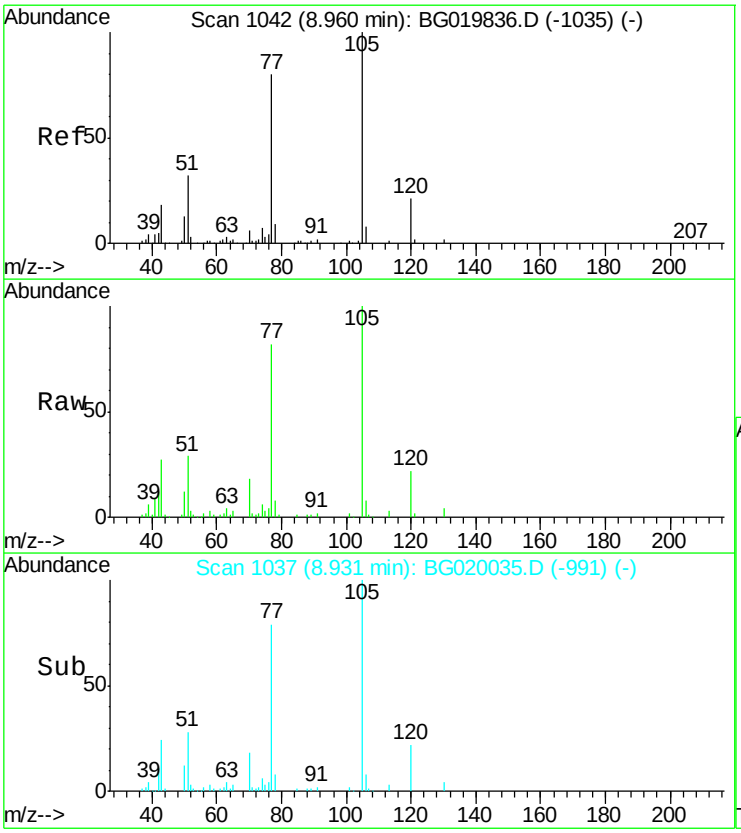
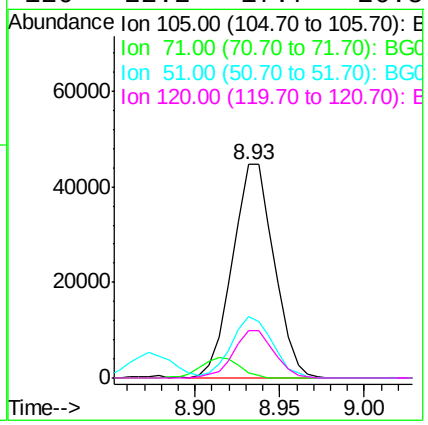
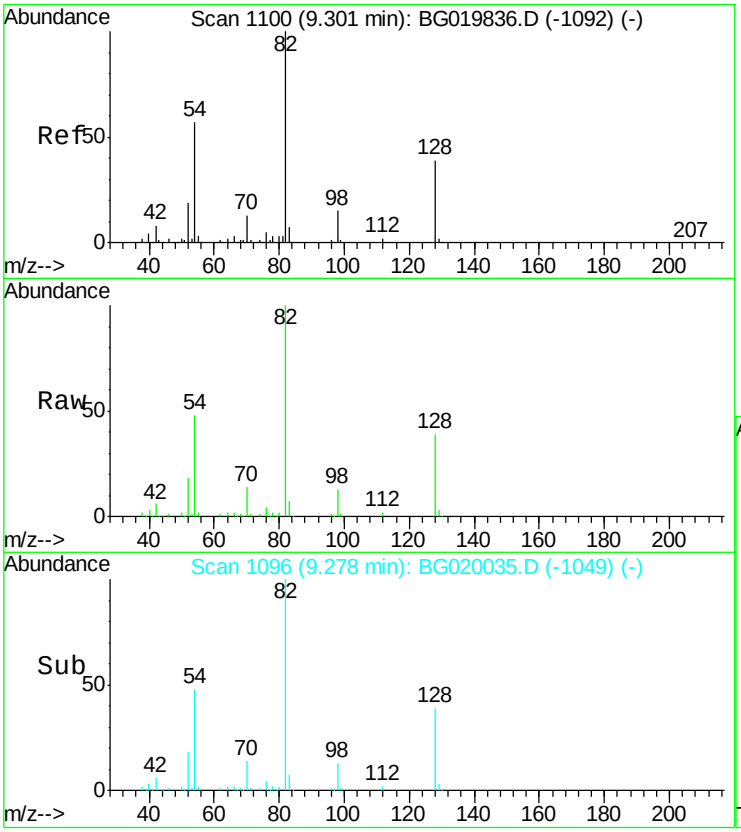



#22
Acetophenone
Concen: 37.17 ng
RT: 8.93 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:105 Resp: 76813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.5 | 2.1 | 3.1 |
| 51 | 28.7 | 17.8 | 26.8# |
| 120 | 22.2 | 17.7 | 26.5 |

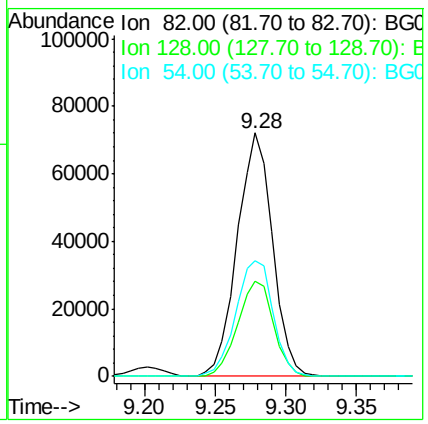





#23
Nitrobenzene-d5
Concen: 85.15 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 82 Resp: 125767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 36.7 | 55.1 |
| 54 | 47.6 | 33.8 | 50.8 |




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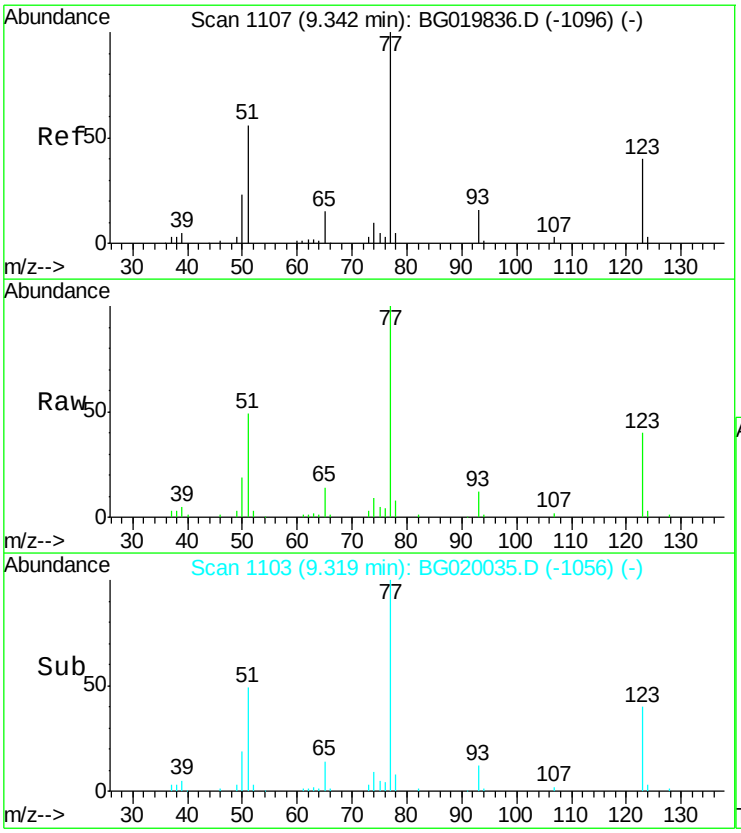
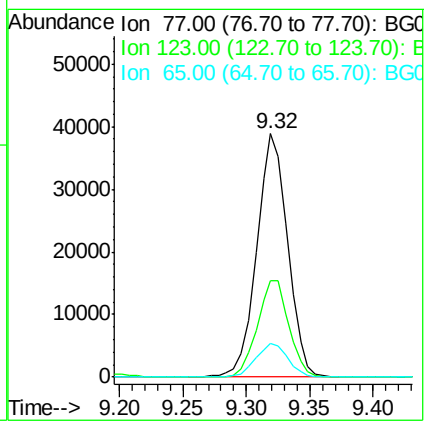
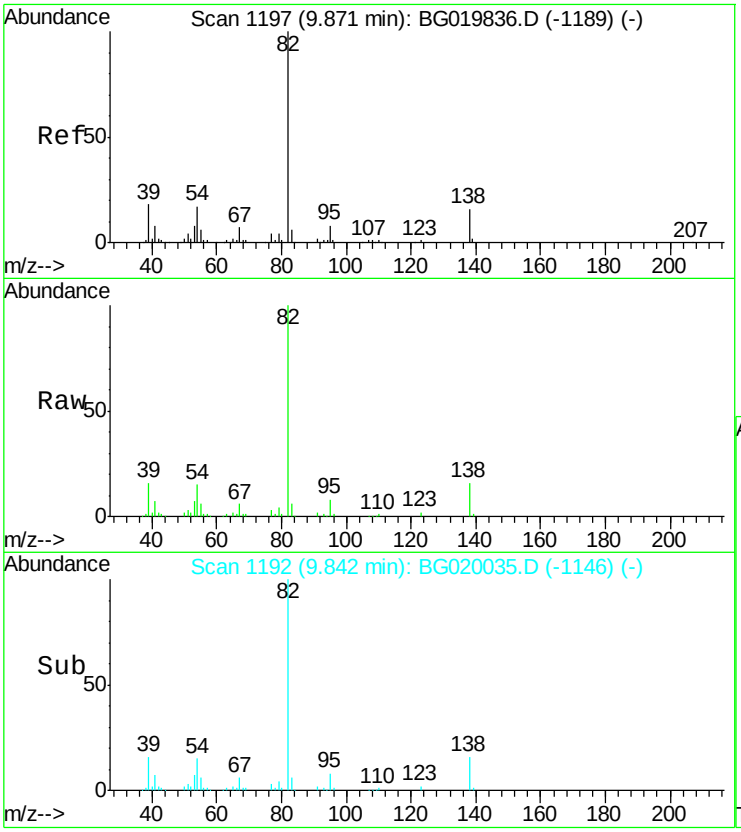



#24
Nitrobenzene
Concen: 41.13 ng
RT: 9.32 min Scan# 1103
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 77 Resp: 65901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 39.7 | 38.2 | 57.2 |
| 65 | 13.7 | 10.6 | 16.0 |






#25
Isophorone
Concen:  36.61 ng
RT: 9.84 min  Scan# 1192
Delta R.T.  -0.03 min
Lab File:  BG020035.D
Acq:  9 Dec 2015  9:24

Tgt Ion: 82 Resp:  115933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 5.2 | 7.8# |
| 138 | 16.3 | 14.4 | 21.6 |

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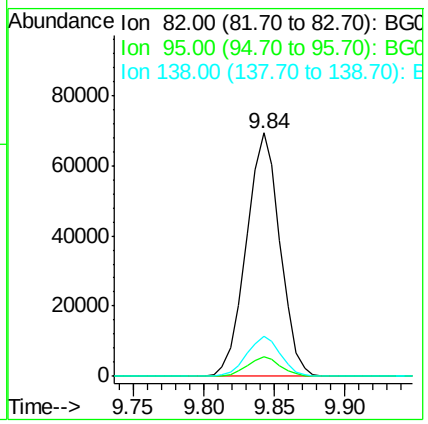
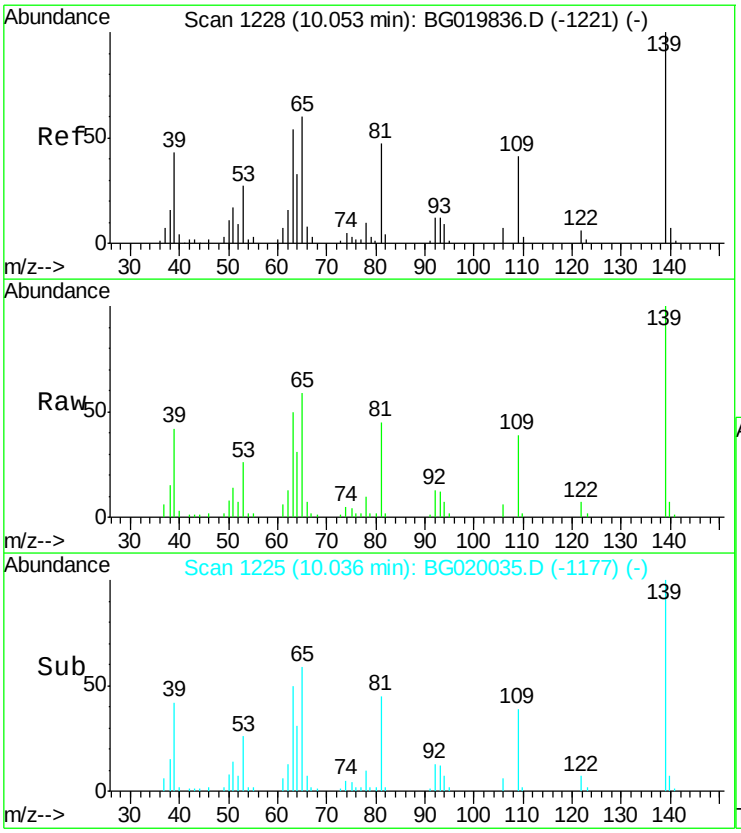
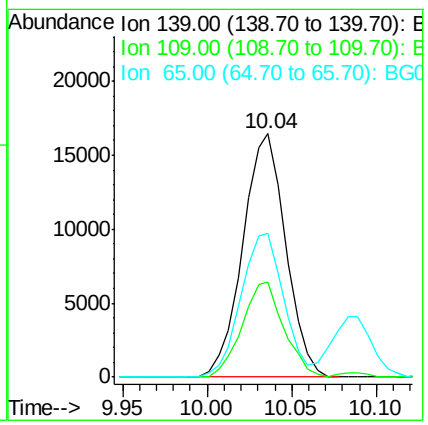


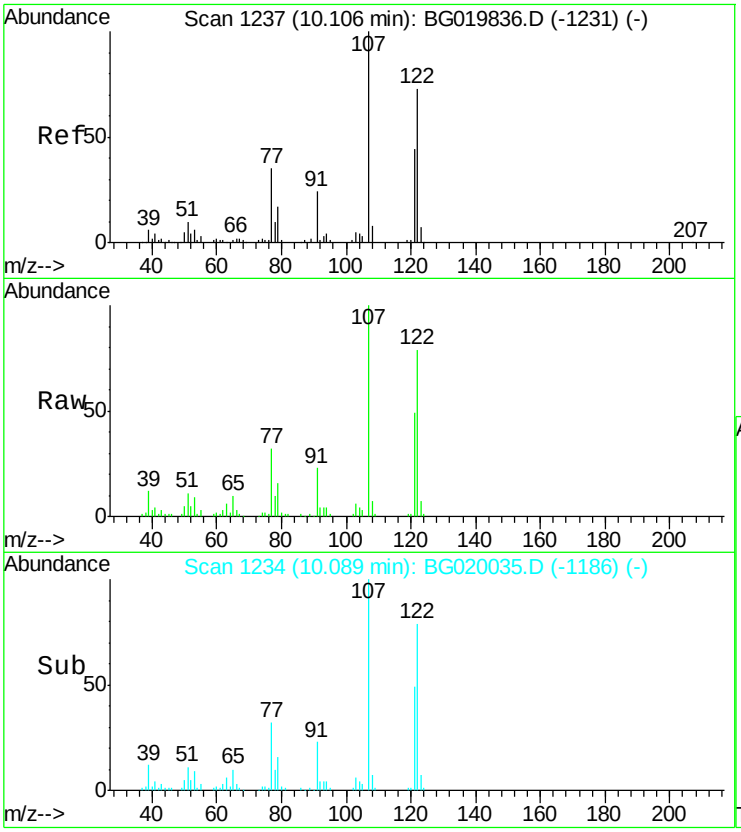




#26
2-Nitrophenol
Concen:  46.87 ng
RT: 10.04 min  Scan# 1225
Delta R.T.  -0.02 min
Lab File:  BG020035.D
Acq:  9 Dec 2015  9:24

Tgt Ion:139 Resp:  29004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 38.8 | 20.1 | 30.1# |
| 65 | 58.9 | 34.1 | 51.1# |

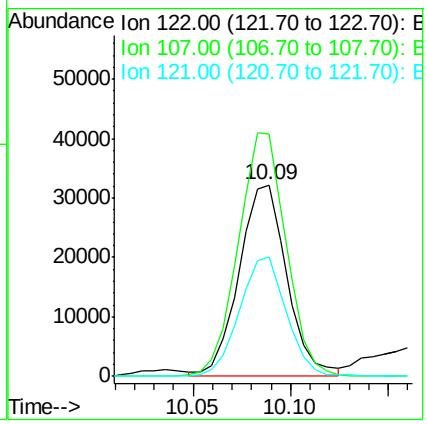





#27
2,4-Dimethylphenol
Concen: 42.15 ng
RT: 10.09 min Scan# 1234
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:122 Resp: 54315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 127.0 | 91.6 | 137.4 |
| 121 | 62.4 | 47.3 | 70.9 |

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**ClientSampleId :**
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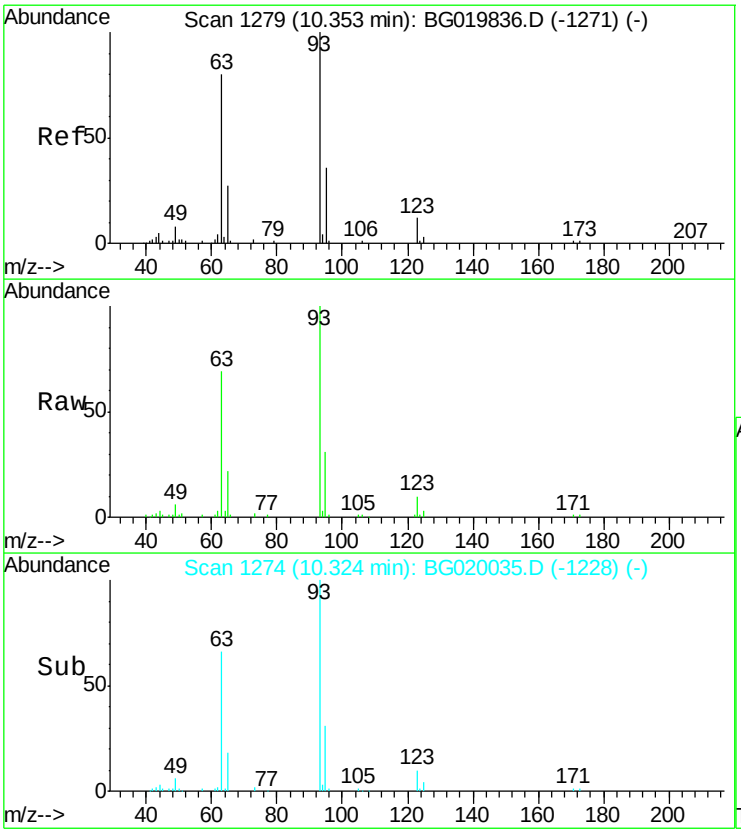
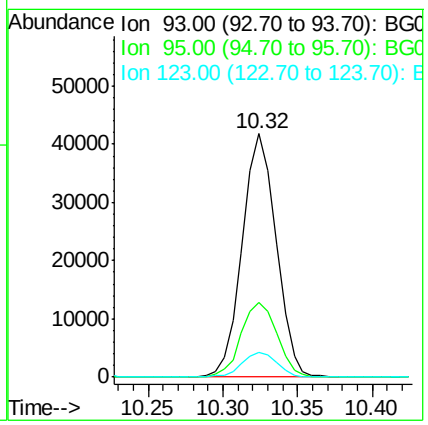
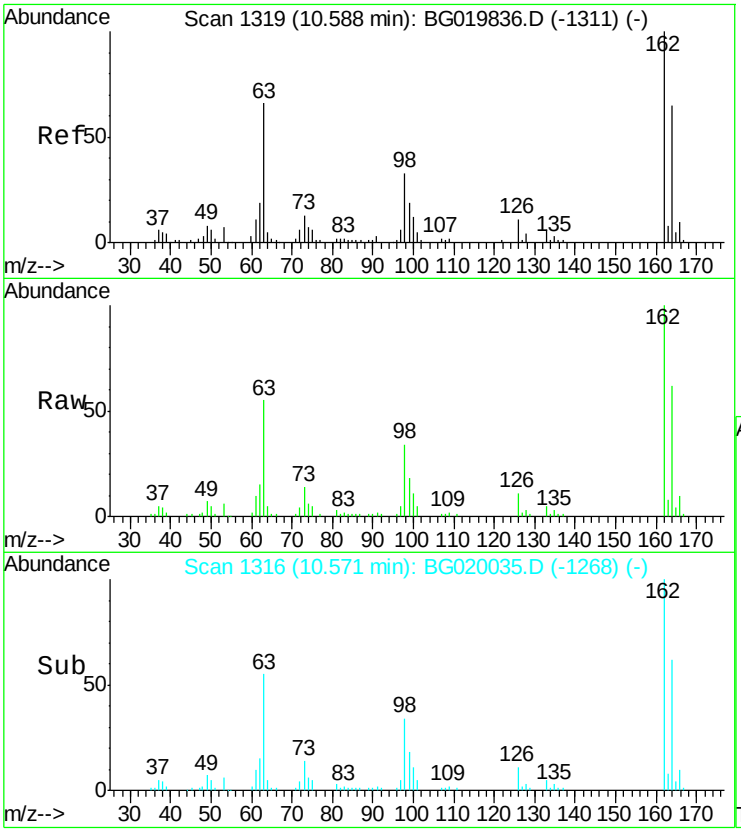



#28
bis(2-Chloroethoxy)methane
Concen: 42.61 ng
RT: 10.32 min Scan# 1274
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 93 Resp: 65936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 30.7 | 25.7 | 38.5 |
| 123 | 10.0 | 8.6 | 12.8 |

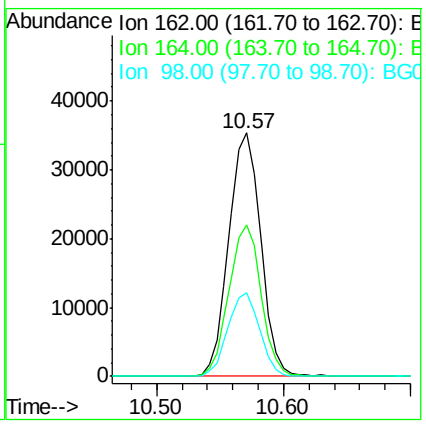





#29
2,4-Dichlorophenol
Concen: 46.86 ng
RT: 10.57 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:162 Resp: 61686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.4 | 42.3 | 82.3 |
| 98 | 34.3 | 11.5 | 51.5 |




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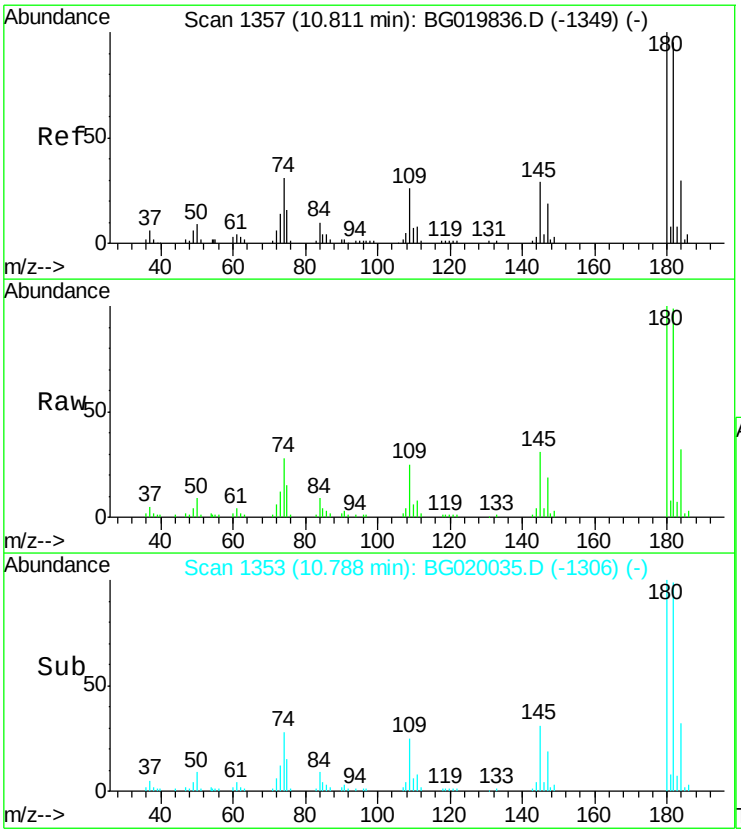
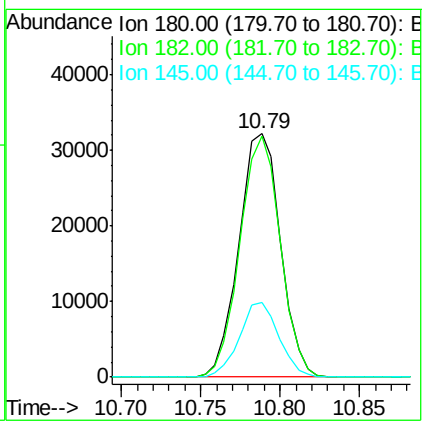
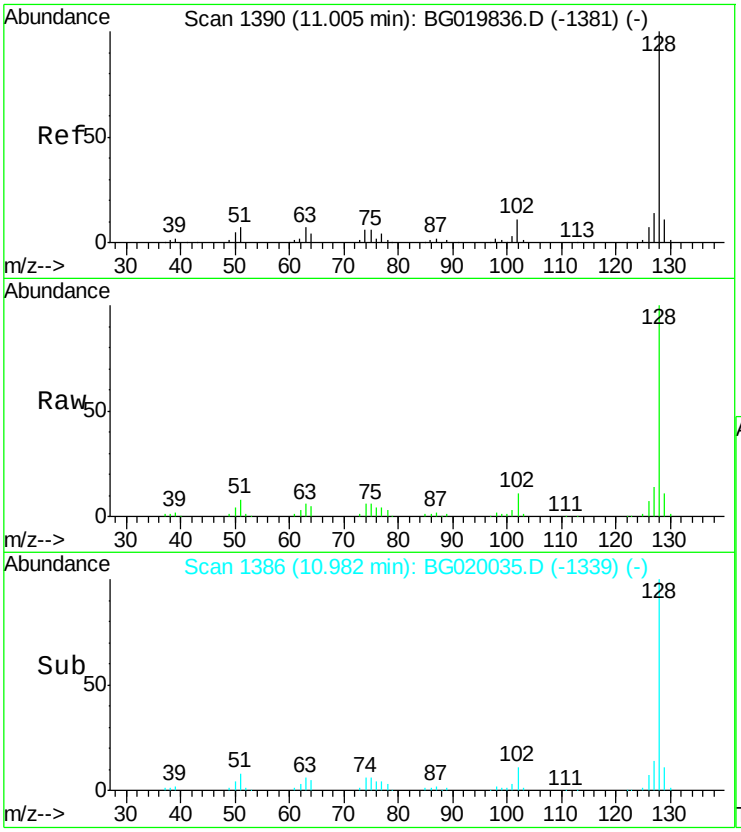



#30
1,2,4-Trichlorobenzene
Concen: 39.46 ng
RT: 10.79 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:180 Resp: 58705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.9 | 79.7 | 119.5 |
| 145 | 30.9 | 22.0 | 33.0 |

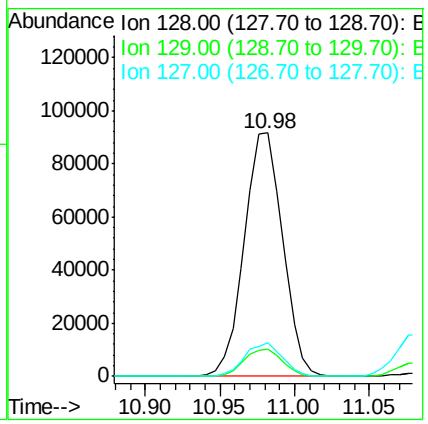





#31
Naphthalene
Concen: 40.41 ng
RT: 10.98 min Scan# 1386
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:128 Resp: 163202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.5 | 12.7 |
| 127 | 14.1 | 10.6 | 16.0 |




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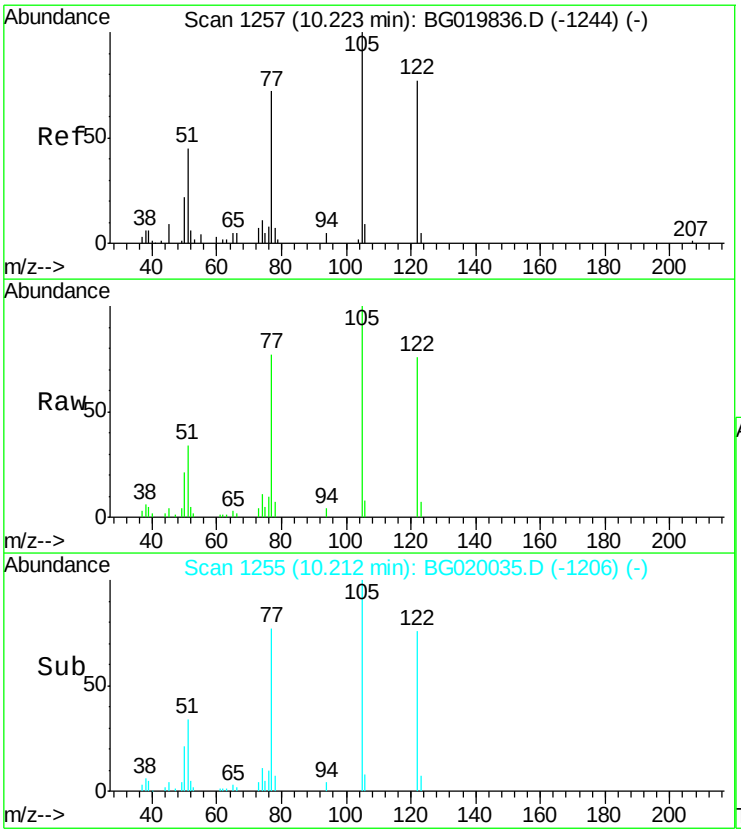
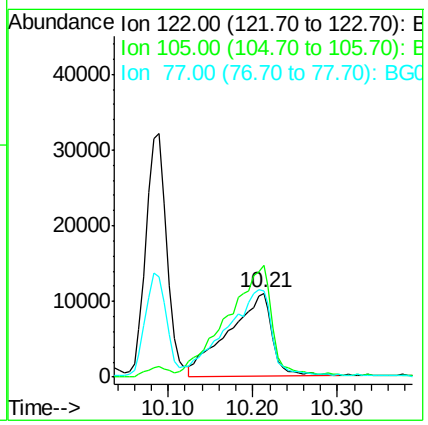
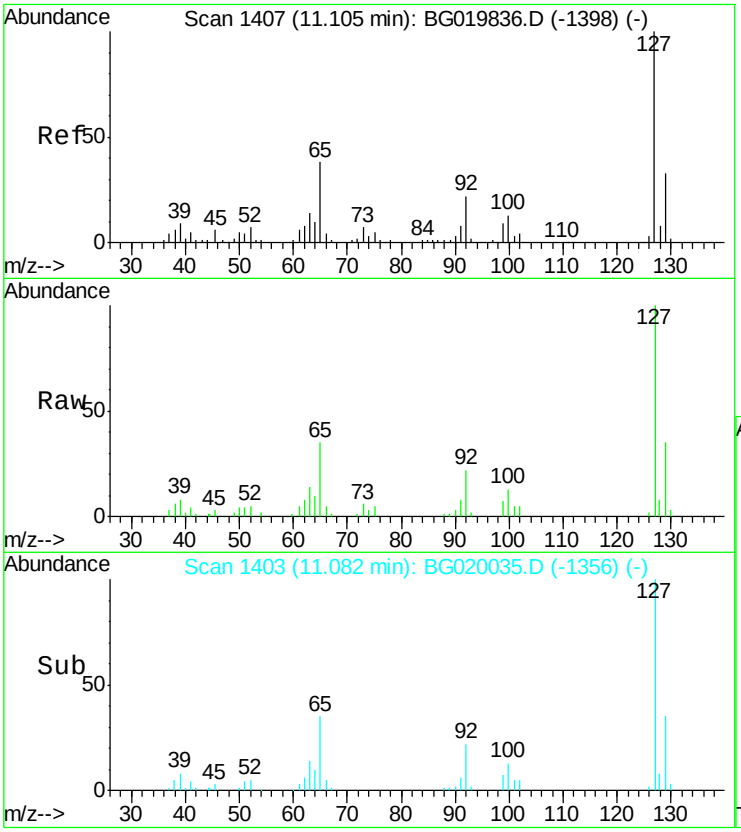



#32
Benzoic acid
Concen: 45.46 ng
RT: 10.21 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:122 Resp: 39163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 132.4 | 103.8 | 143.8 |
| 77 | 102.1 | 68.8 | 108.8 |

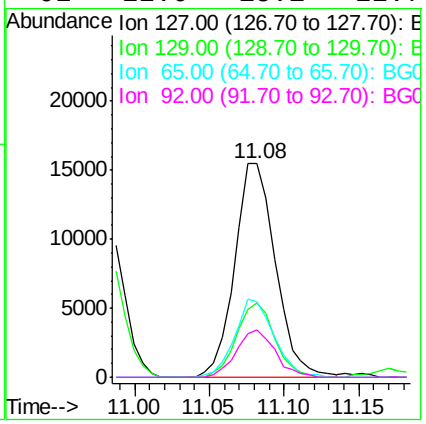





#33
4-Chloroaniline
Concen: 16.47 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:127 Resp: 29308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 35.0 | 24.6 | 37.0 |
| 65 | 35.3 | 22.6 | 33.8# |
| 92 | 22.0 | 15.1 | 22.7 |




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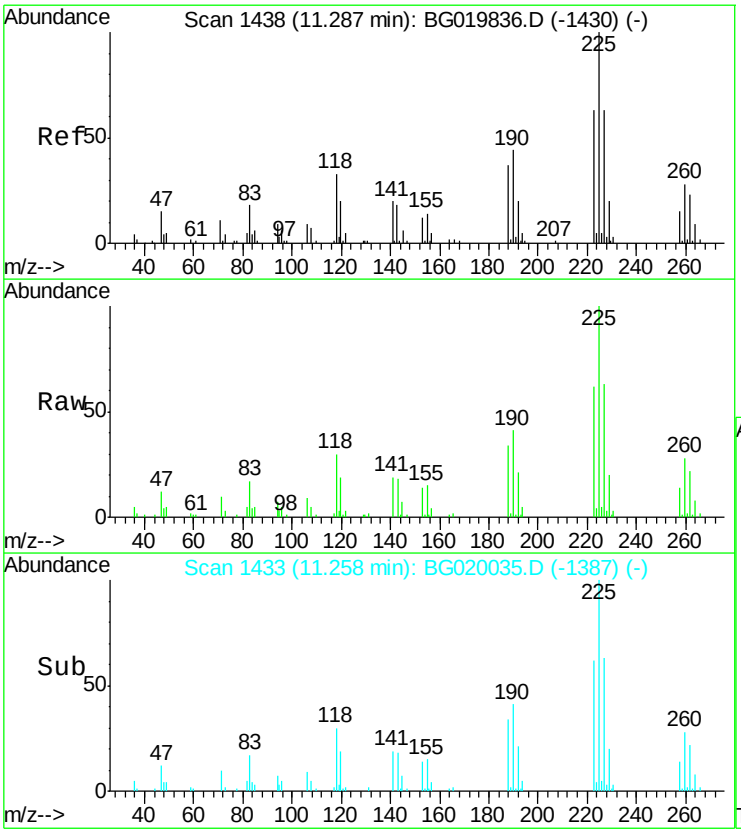
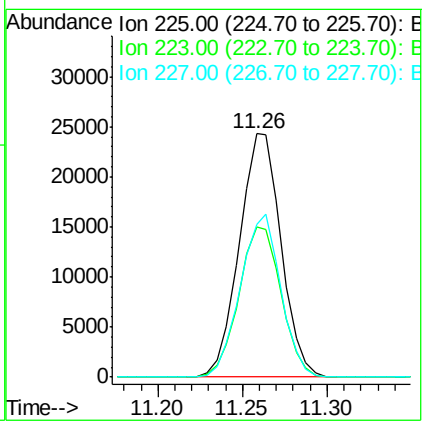
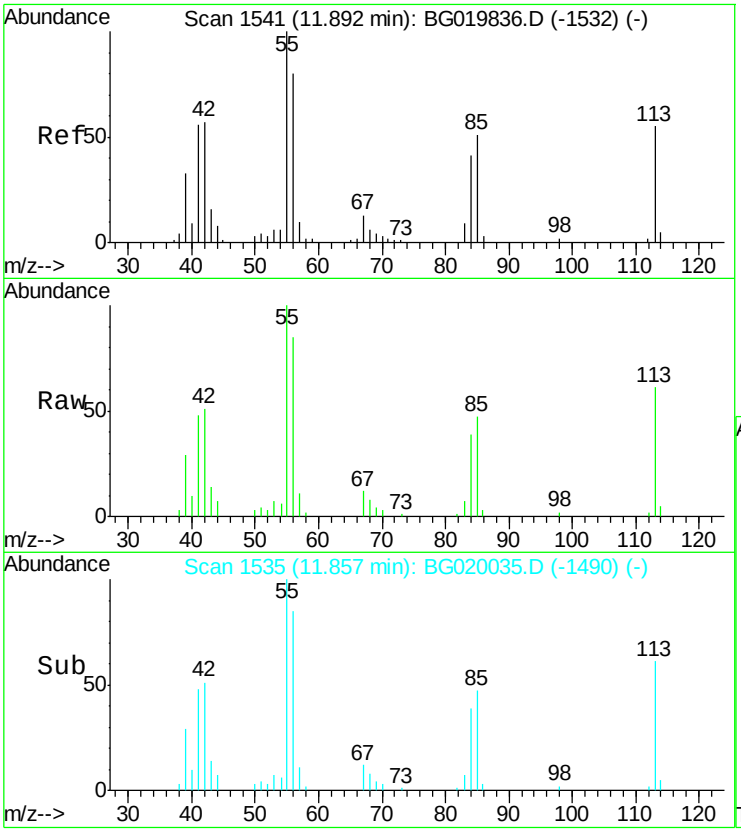



#34
Hexachlorobutadiene
Concen: 37.98 ng
RT: 11.26 min Scan# 1433
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:225 Resp: 41678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 51.0 | 76.4 |
| 227 | 66.1 | 51.8 | 77.8 |

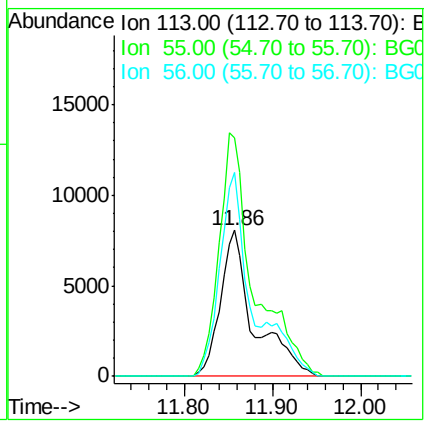





#35
Caprolactam
Concen: 43.43 ng m
RT: 11.86 min Scan# 1535
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:113 Resp: 21280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.6 | 135.0 | 175.0 |
| 56 | 139.8 | 83.4 | 123.4# |




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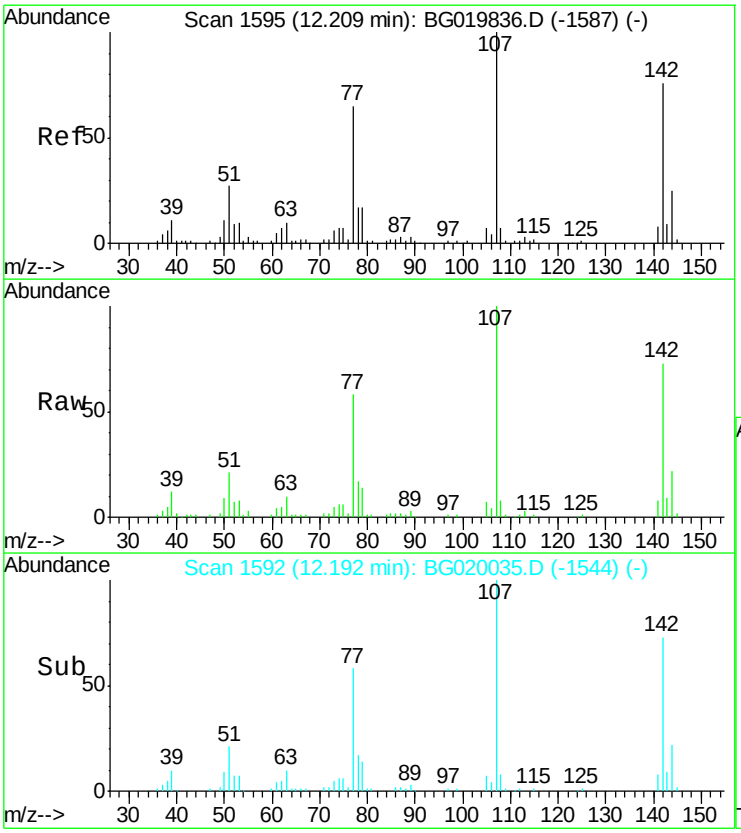
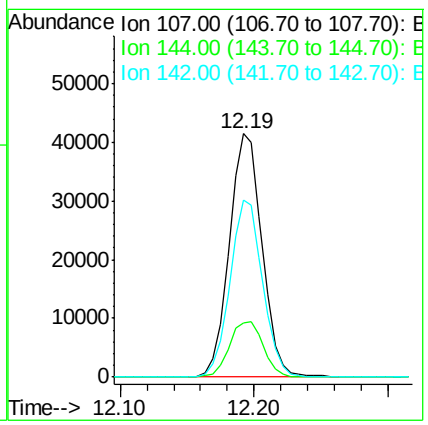
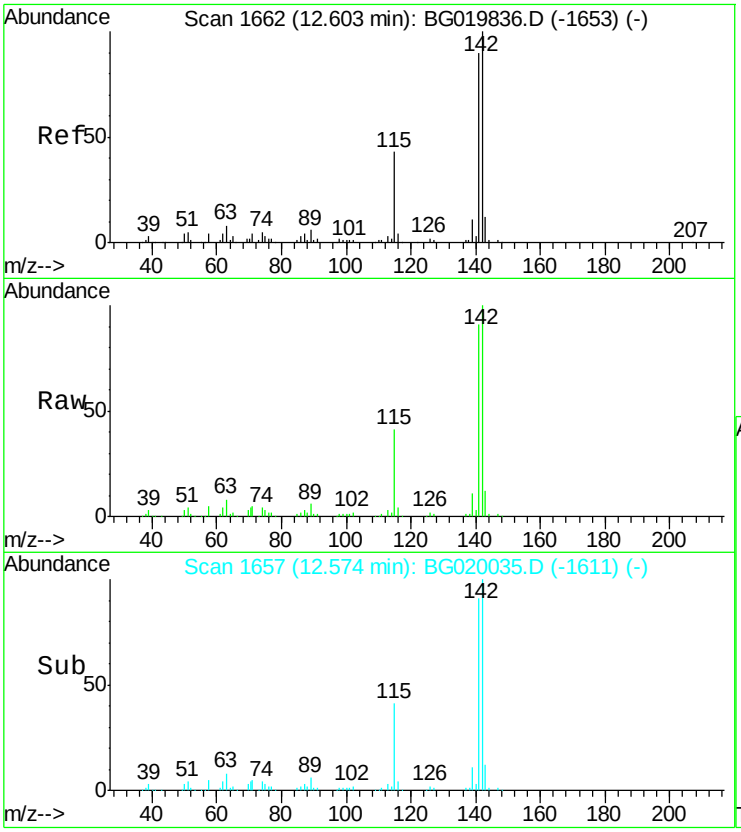



#36
4-Chloro-3-methylphenol
Concen: 42.93 ng
RT: 12.19 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:107 Resp: 70372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.5 | 20.6 | 31.0 |
| 142 | 72.9 | 62.6 | 93.8 |






#37
2-Methylnaphthalene
Concen: 43.04 ng
RT: 12.57 min Scan# 1657
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:142 Resp: 127369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 74.6 | 112.0 |
| 115 | 41.1 | 27.4 | 41.0# |

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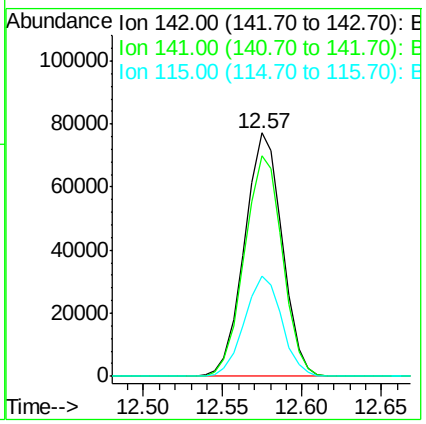
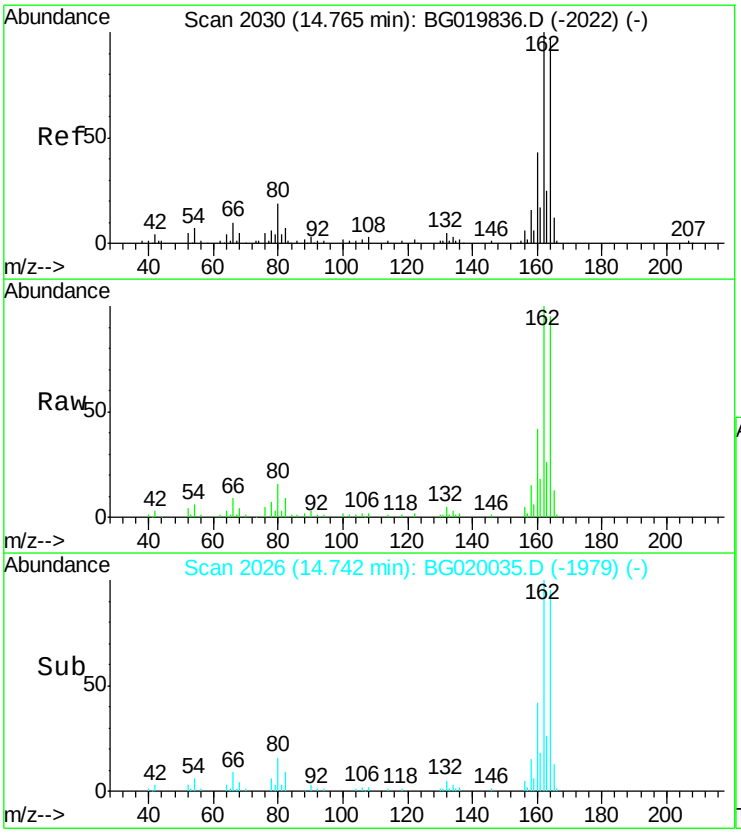
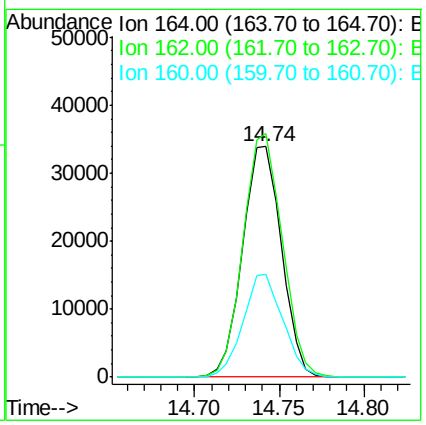


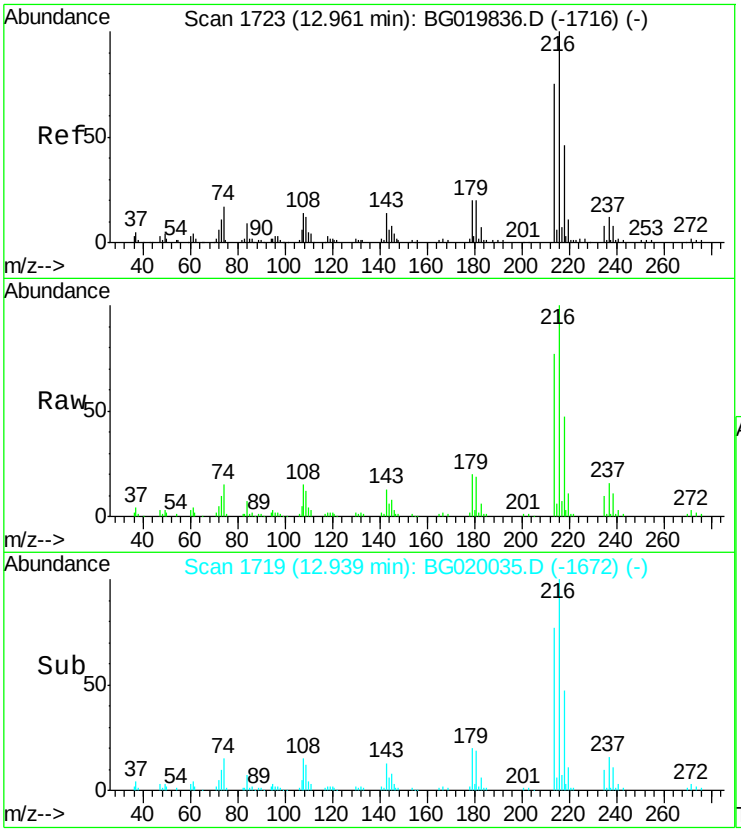




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:164 Resp: 54472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.5 | 78.8 | 118.2 |
| 160 | 44.7 | 36.4 | 54.6 |

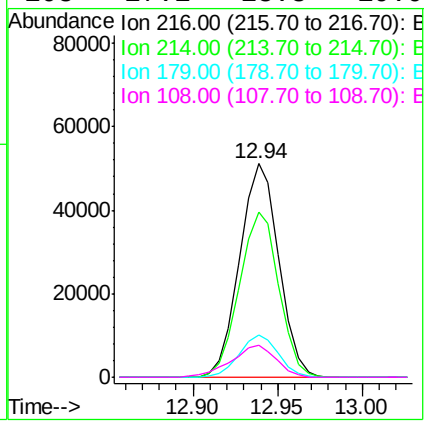





#39
1,2,4,5-Tetrachlorobenzene
Concen: 39.72 ng
RT: 12.94 min Scan# 1719
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:216 Resp: 82107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.1 | 62.5 | 93.7 |
| 179 | 19.6 | 15.6 | 23.4 |
| 108 | 17.1 | 13.3 | 19.9 |




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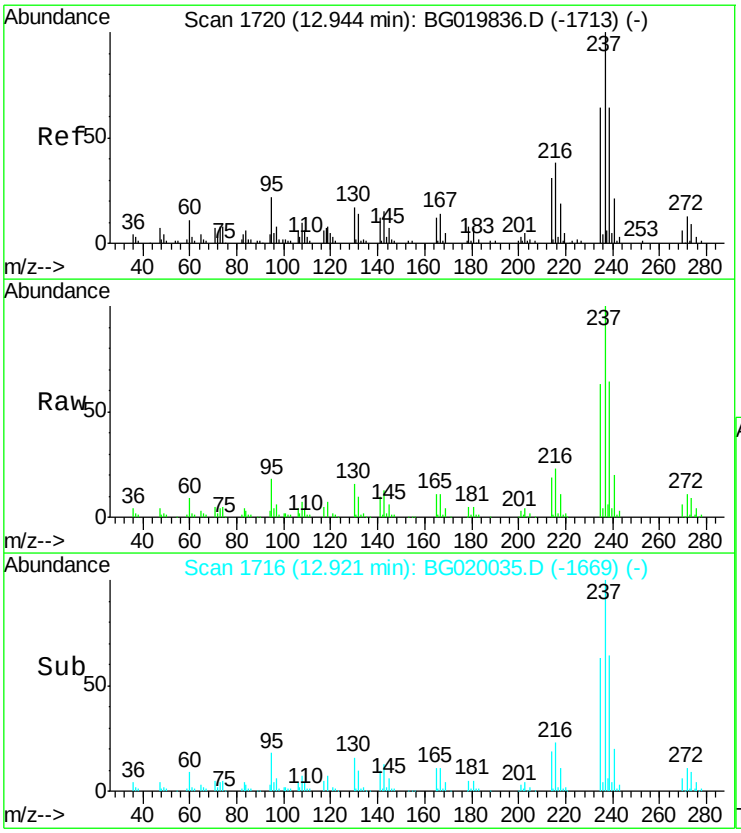
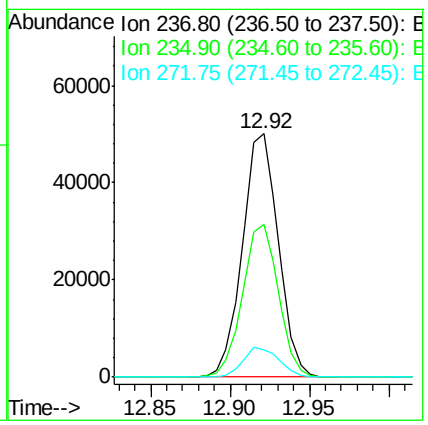
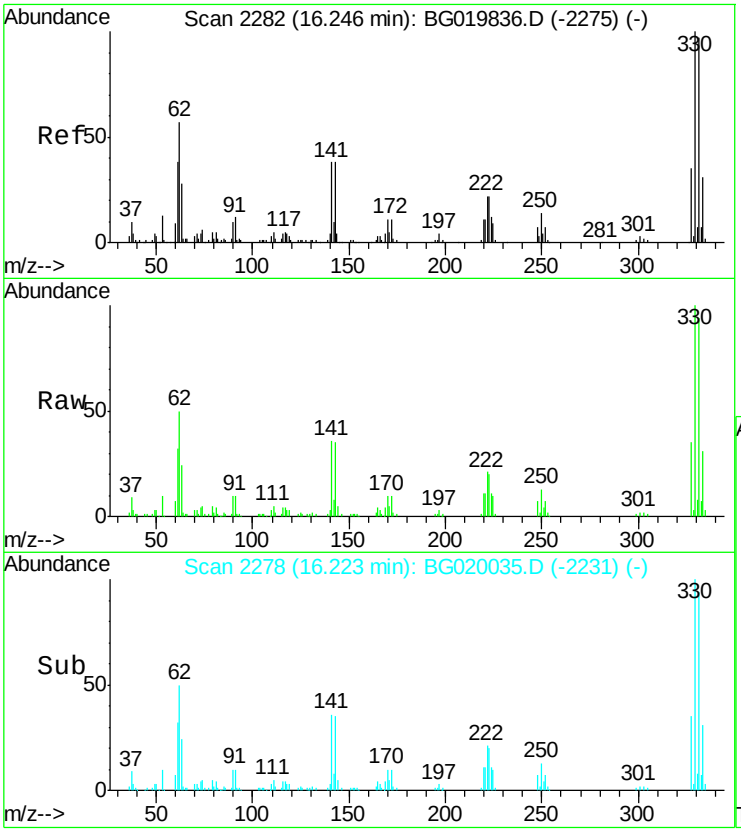



#40
Hexachlorocyclopentadiene
Concen: 66.78 ng
RT: 12.92 min Scan# 1716
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:237 Resp: 78709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 44.6 | 84.6 |
| 272 | 11.2 | 0.0 | 32.8 |

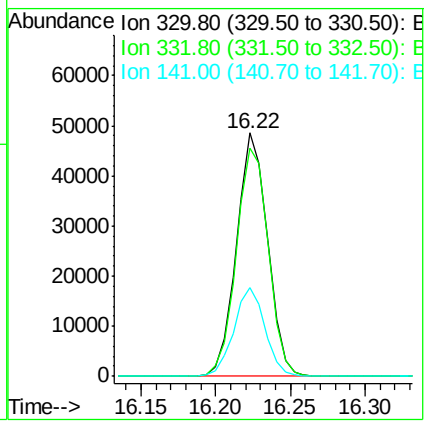





#41
2,4,6-Tribromophenol
Concen: 84.31 ng
RT: 16.22 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:330 Resp: 70267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 78.1 | 117.1 |
| 141 | 36.5 | 28.2 | 42.2 |




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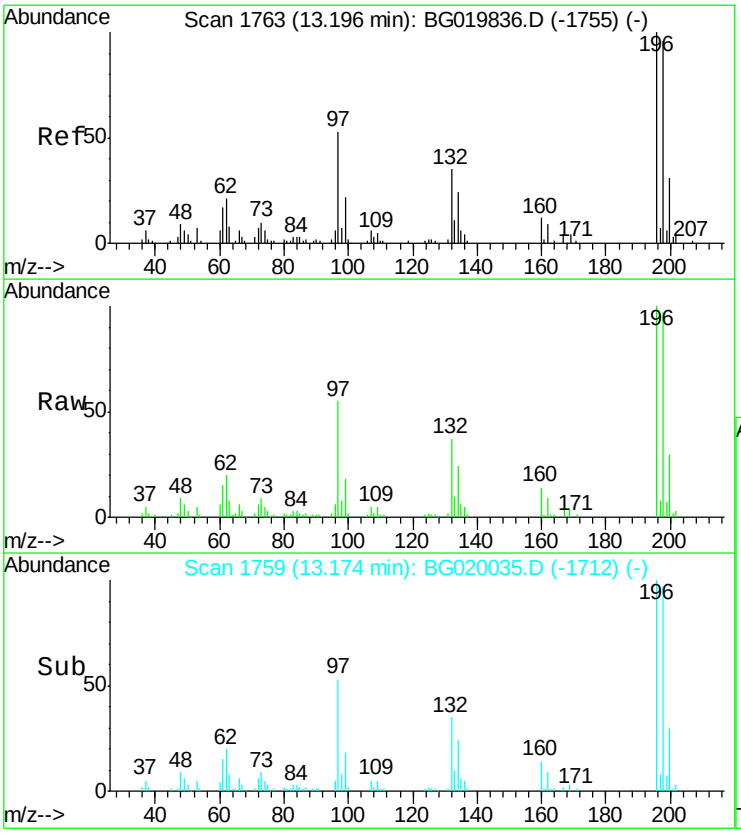
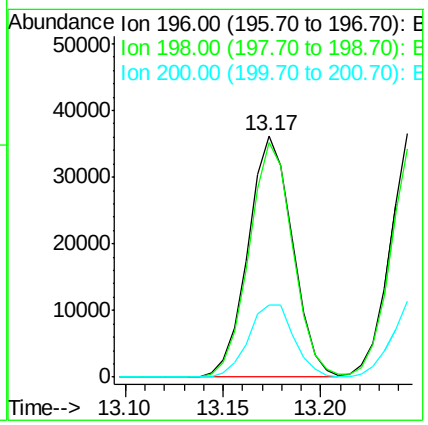
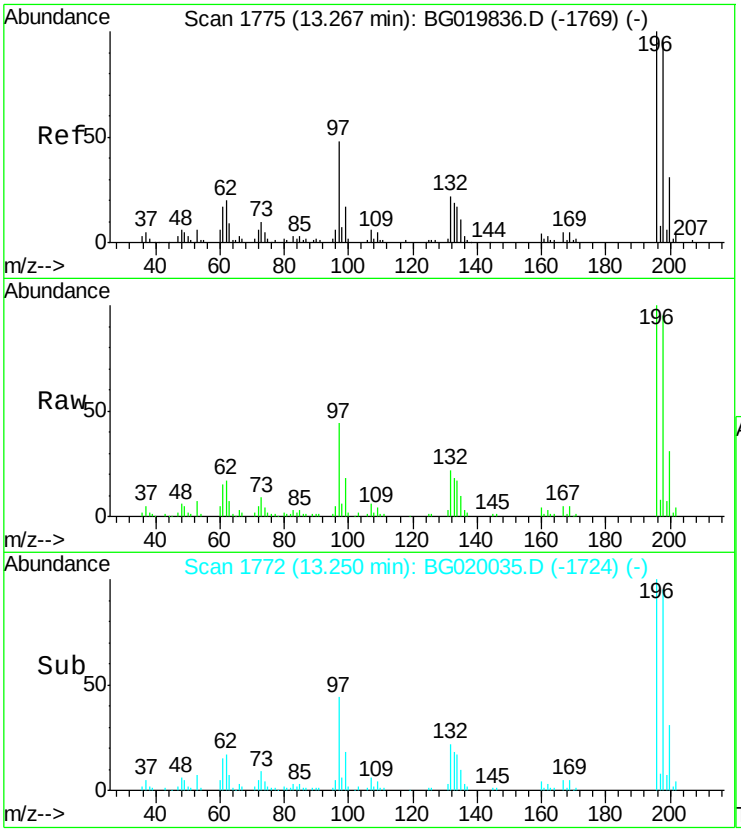



#42
2,4,6-Trichlorophenol
Concen: 41.62 ng
RT: 13.17 min Scan# 1759
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:196 Resp: 56954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 74.7 | 112.1 |
| 200 | 30.1 | 24.1 | 36.1 |

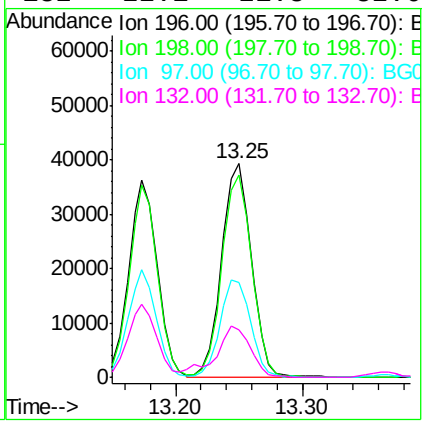





#43
2,4,5-Trichlorophenol
Concen: 44.37 ng
RT: 13.25 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:196 Resp: 64173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 75.2 | 112.8 |
| 97 | 44.1 | 34.2 | 51.2 |
| 132 | 22.1 | 21.8 | 32.6 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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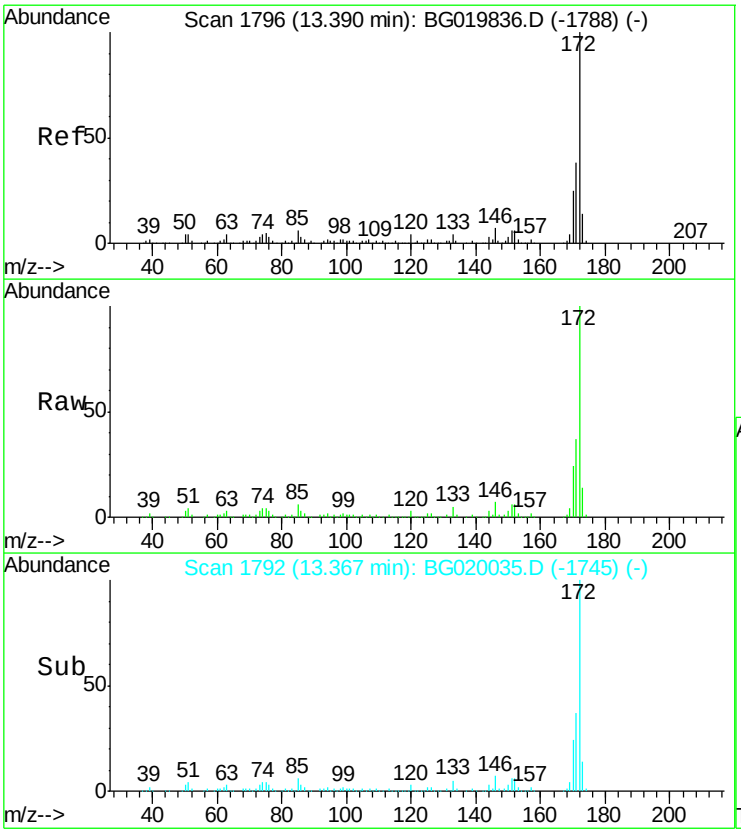
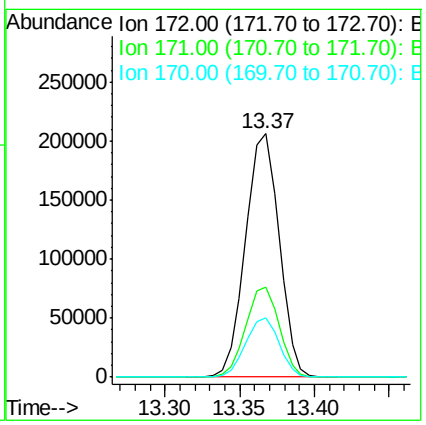
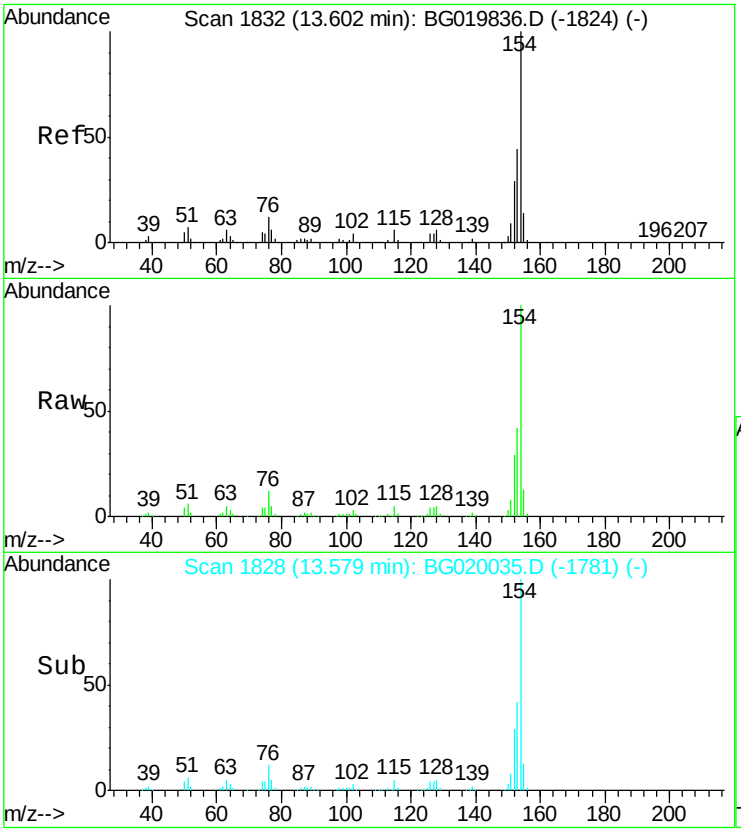



#44
2-Fluorobiphenyl
Concen: 80.51 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:172 Resp: 321206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 29.0 | 43.6 |
| 170 | 24.4 | 19.9 | 29.9 |

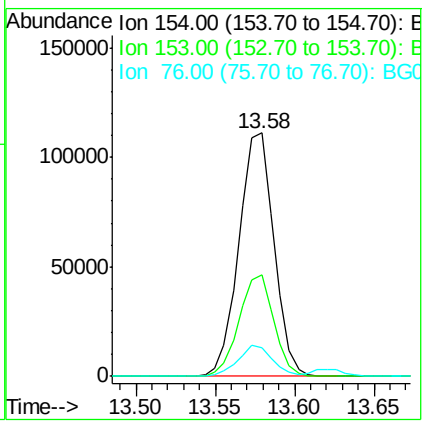





#45
1,1'-Biphenyl
Concen: 38.12 ng
RT: 13.58 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:154 Resp: 170398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.5 | 21.9 | 61.9 |
| 76 | 11.5 | 0.0 | 33.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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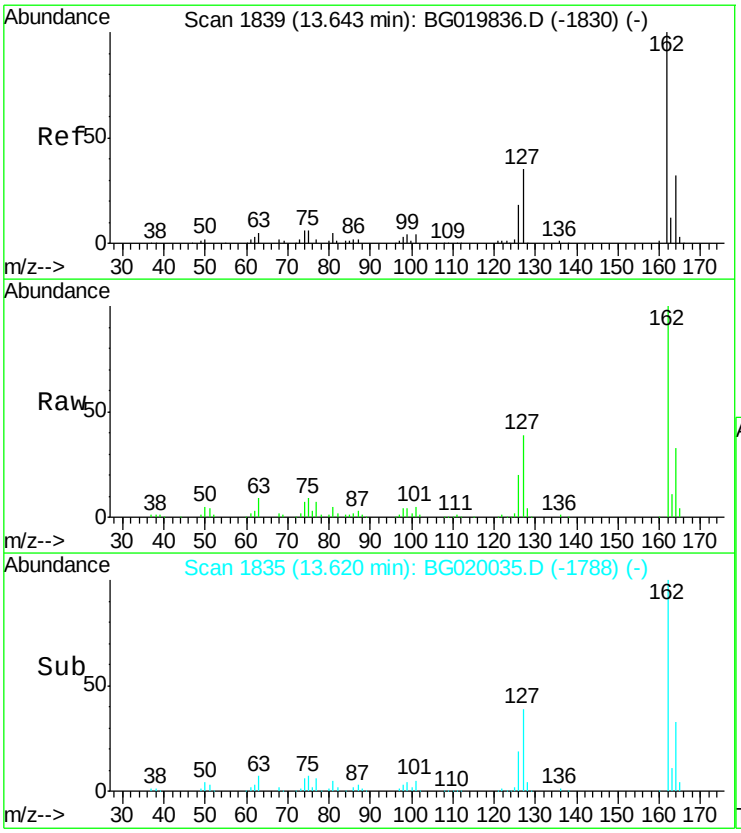
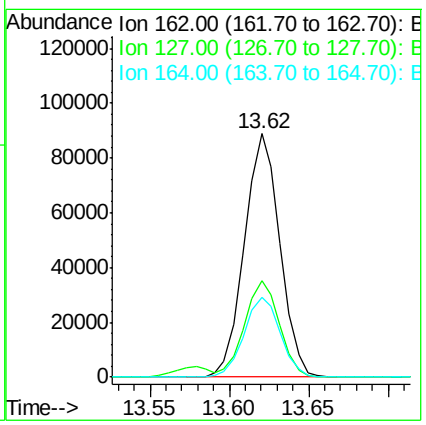
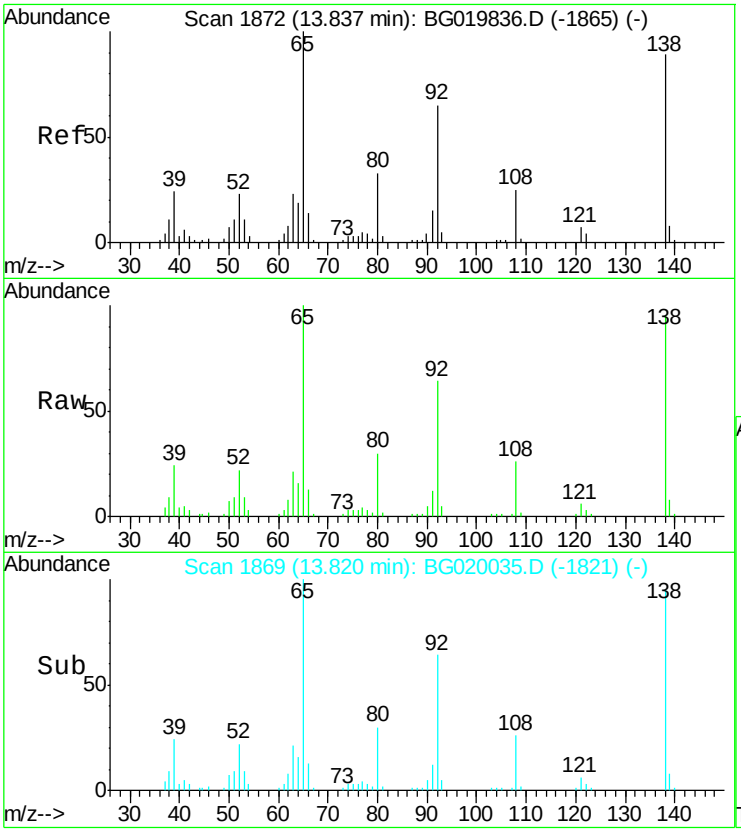



#46
2-Chloronaphthalene
Concen: 40.00 ng
RT: 13.62 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:162 Resp: 137835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.4 | 28.3 | 42.5 |
| 164 | 32.9 | 27.4 | 41.0 |

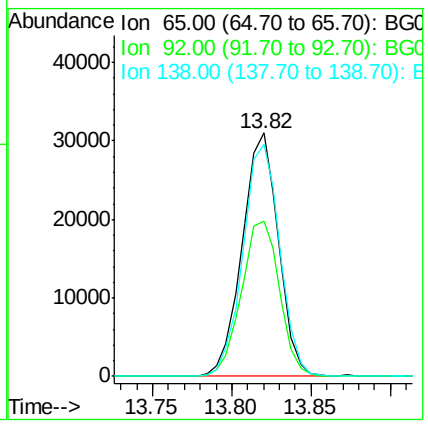





#47
2-Nitroaniline
Concen: 45.19 ng
RT: 13.82 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 65 Resp: 49185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 63.6 | 54.8 | 82.2 |
| 138 | 95.2 | 89.6 | 134.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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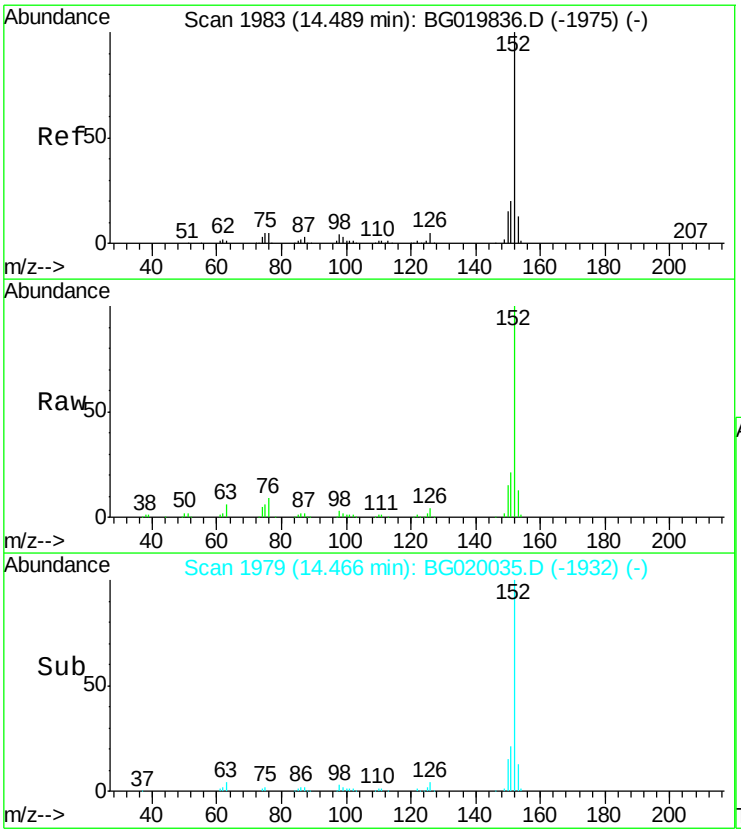
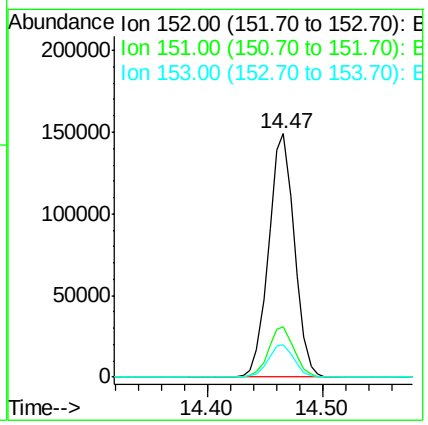
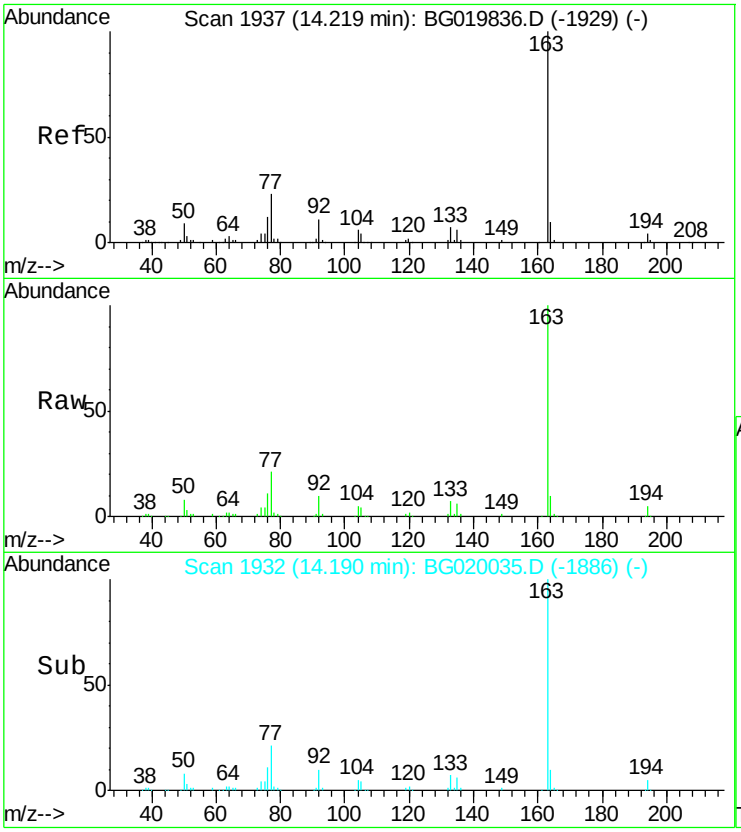



#48
Acenaphthylene
Concen: 39.33 ng
RT: 14.47 min Scan# 1979
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:152 Resp: 230812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 17.0 | 25.4 |
| 153 | 13.3 | 10.4 | 15.6 |






#49
Dimethylphthalate
Concen: 38.67 ng
RT: 14.19 min Scan# 1932
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:163 Resp: 189507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.0 | 3.1 | 4.7# |
| 164 | 10.1 | 8.8 | 13.2 |

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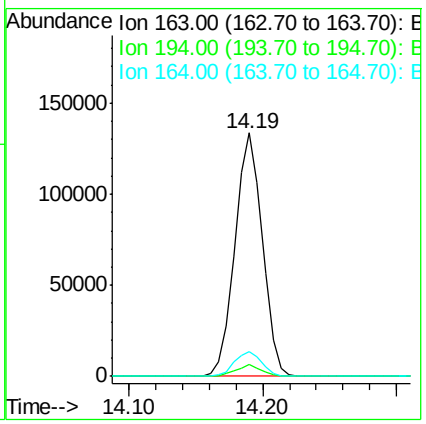
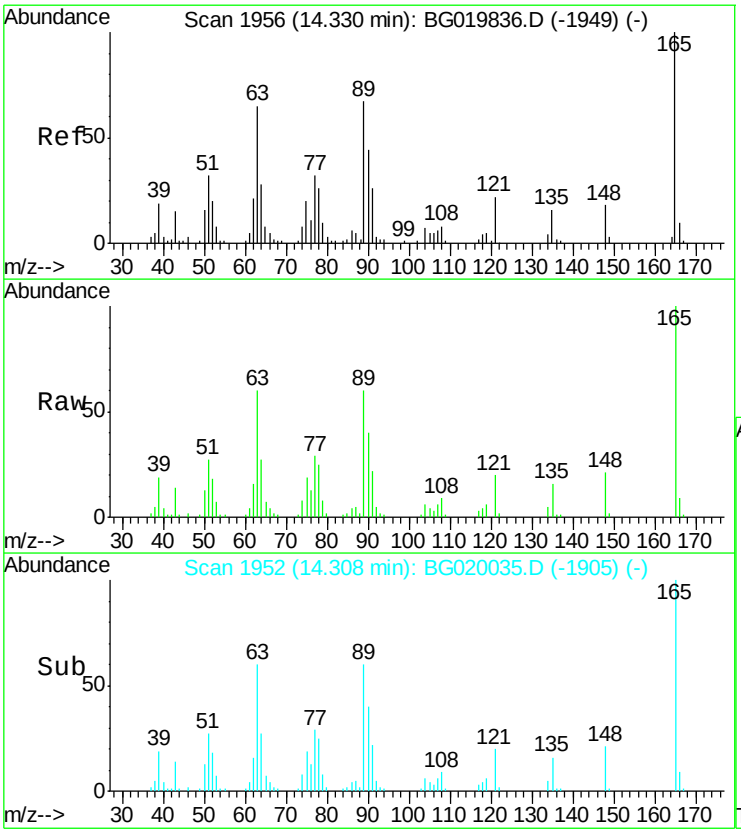
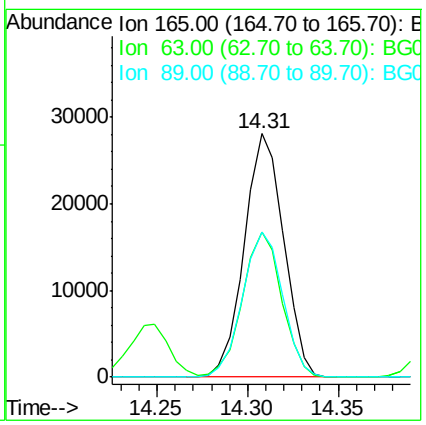


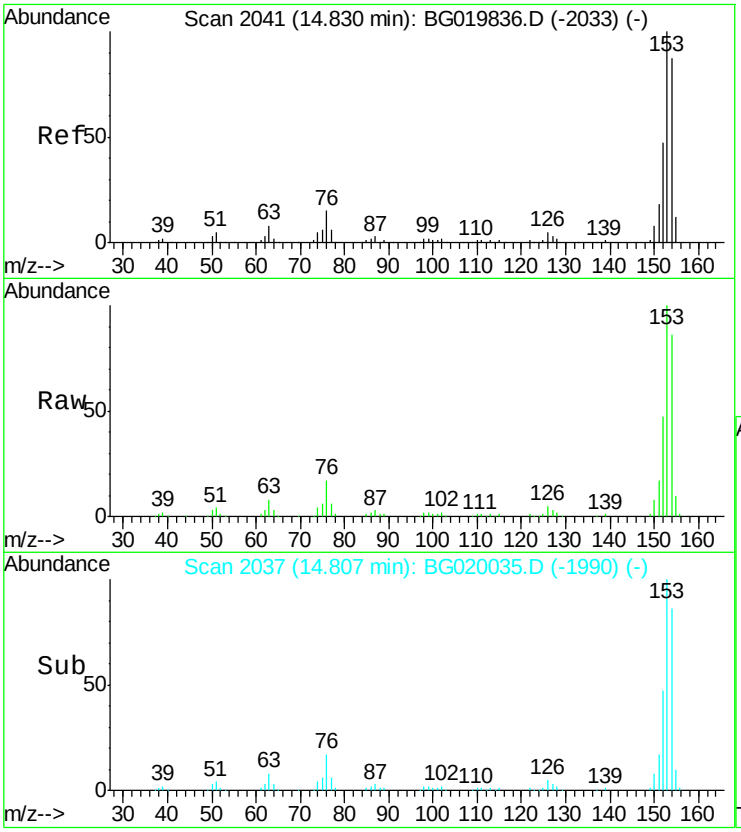




#50
2,6-Dinitrotoluene
Concen: 45.95 ng
RT: 14.31 min Scan# 1952
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:165 Resp: 42330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.8 | 35.7 | 53.5# |
| 89 | 59.5 | 39.7 | 59.5# |

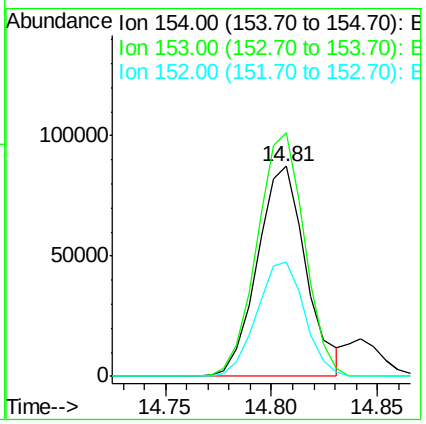





#51
Acenaphthene
Concen: 39.13 ng
RT: 14.81 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:154 Resp: 139352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.9 | 92.9 | 139.3 |
| 152 | 54.4 | 45.8 | 68.8 |




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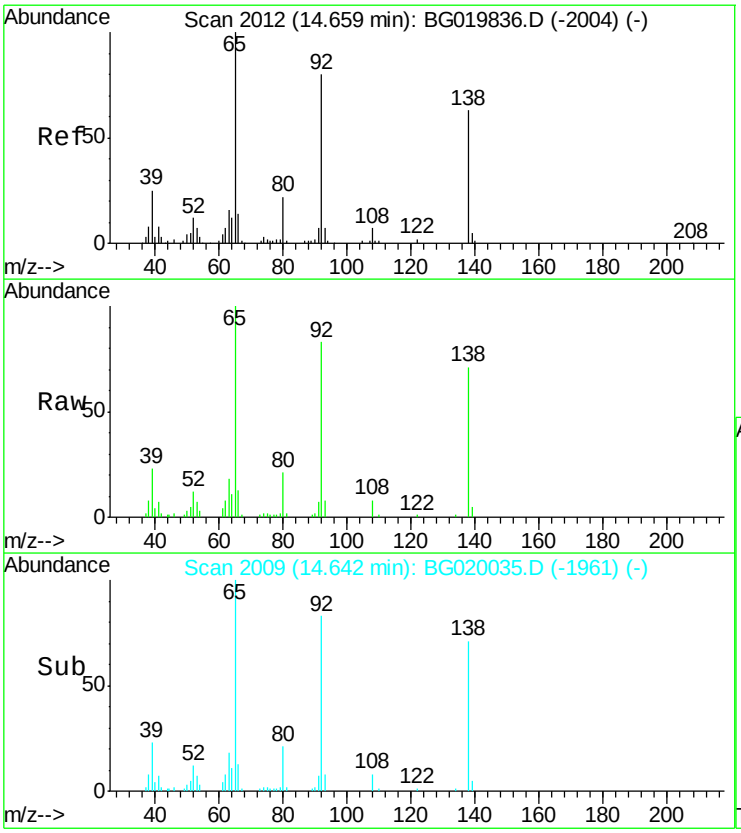
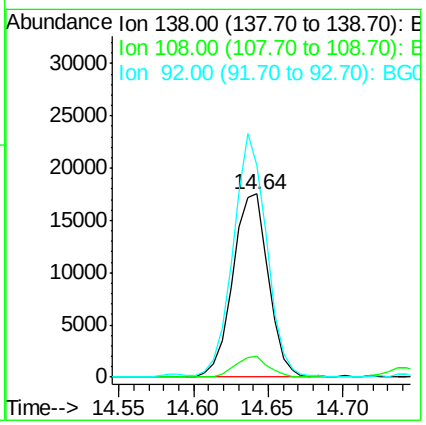
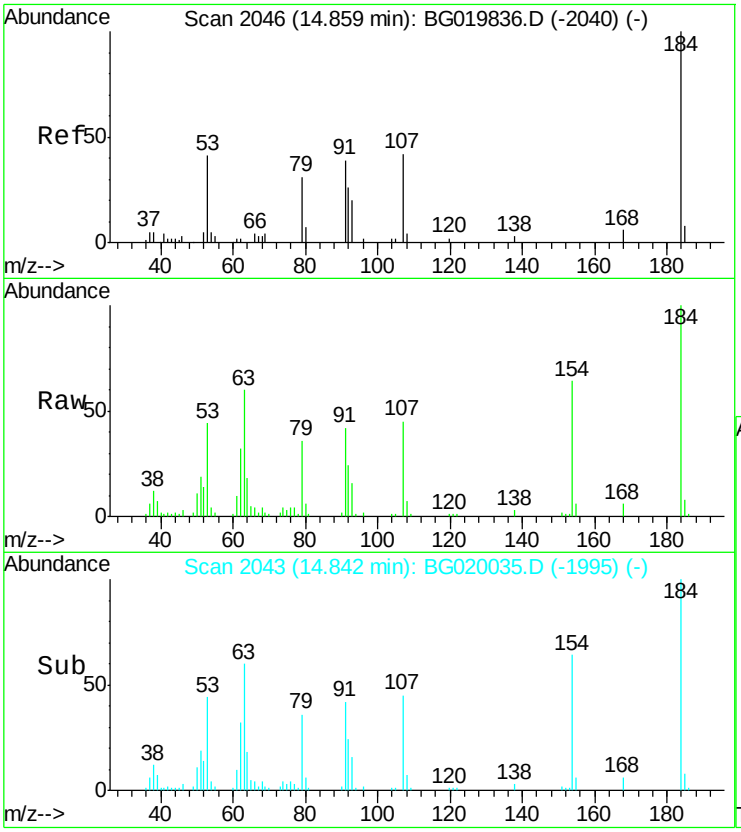



#52
3-Nitroaniline
Concen: 30.32 ng
RT: 14.64 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:138 Resp: 29024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 7.9 | 11.9 |
| 92 | 115.6 | 94.2 | 141.4 |

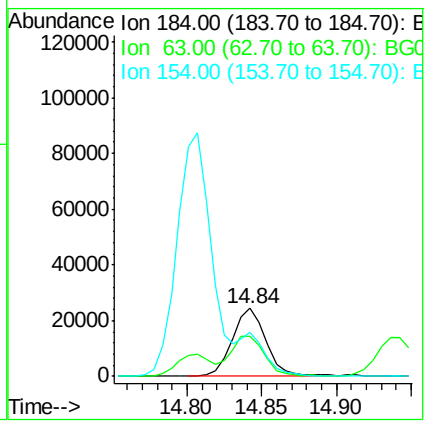





#53
2,4-Dinitrophenol
Concen: 78.37 ng
RT: 14.84 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:184 Resp: 38316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.2 | 42.7 | 64.1 |
| 154 | 64.4 | 44.3 | 66.5 |




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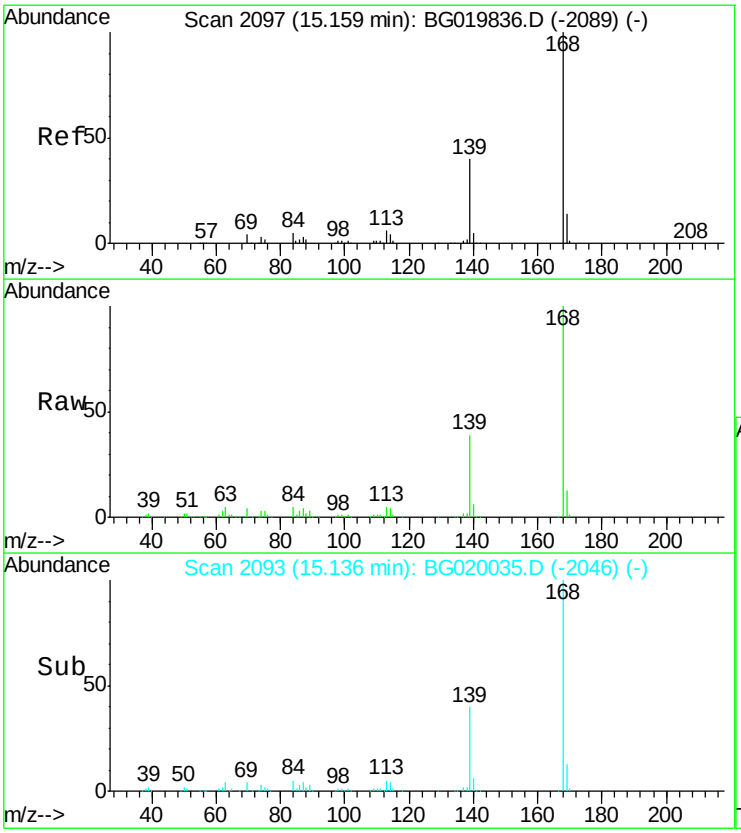
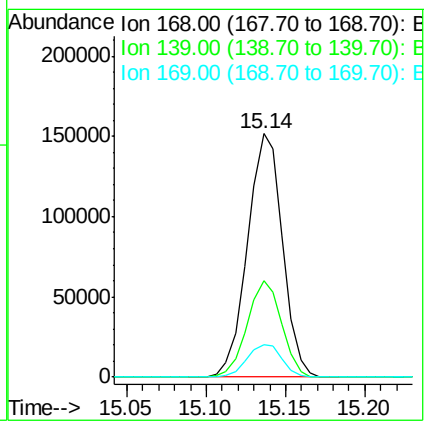
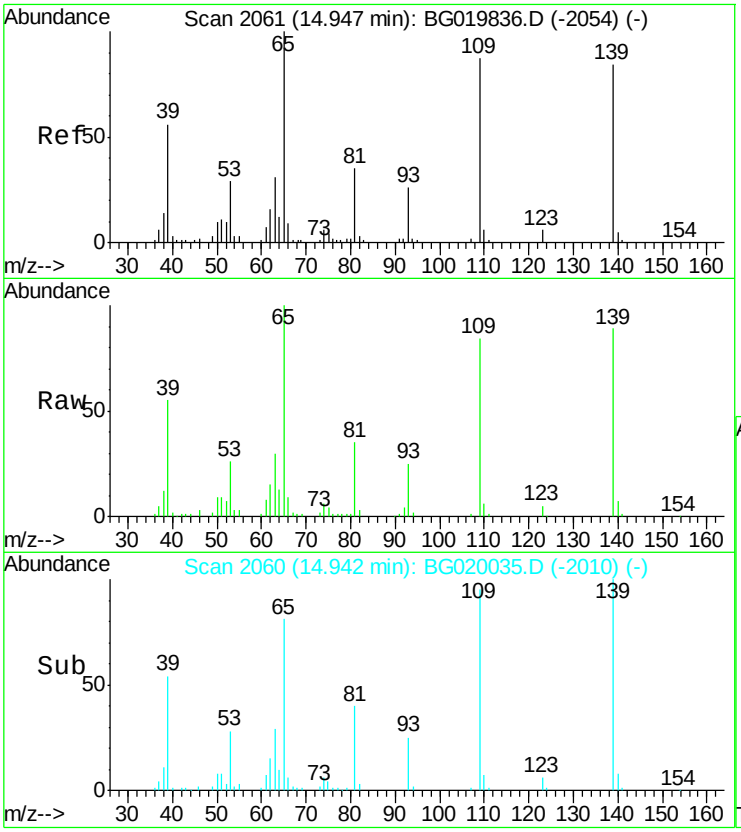



#54
Dibenzofuran
Concen: 43.79 ng
RT: 15.14 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:168 Resp: 232027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.4 | 27.4 | 41.0 |
| 169 | 13.4 | 11.0 | 16.4 |






#55
4-Nitrophenol
Concen: 82.88 ng
RT: 14.94 min Scan# 2060
Delta R.T. -0.00 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:139 Resp: 69087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 93.8 | 43.2 | 83.2# |
| 65 | 111.7 | 67.8 | 107.8# |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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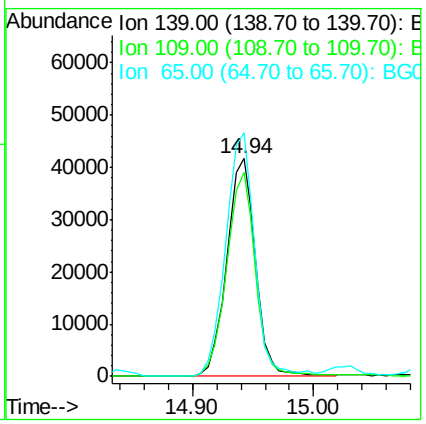
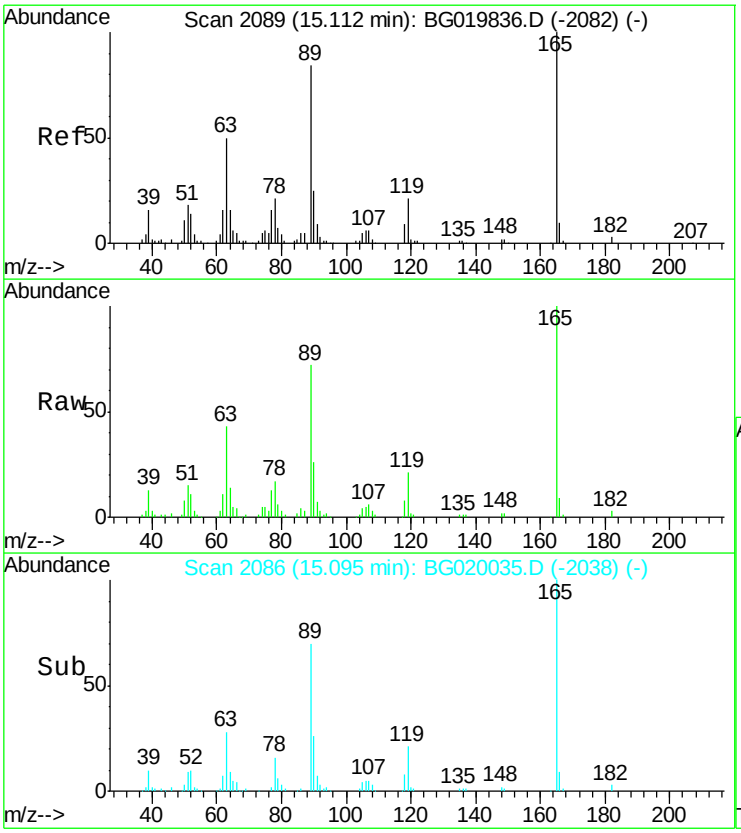
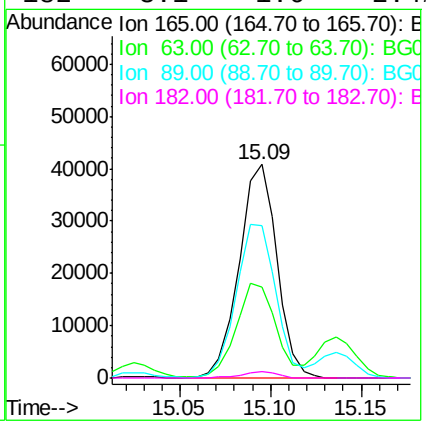


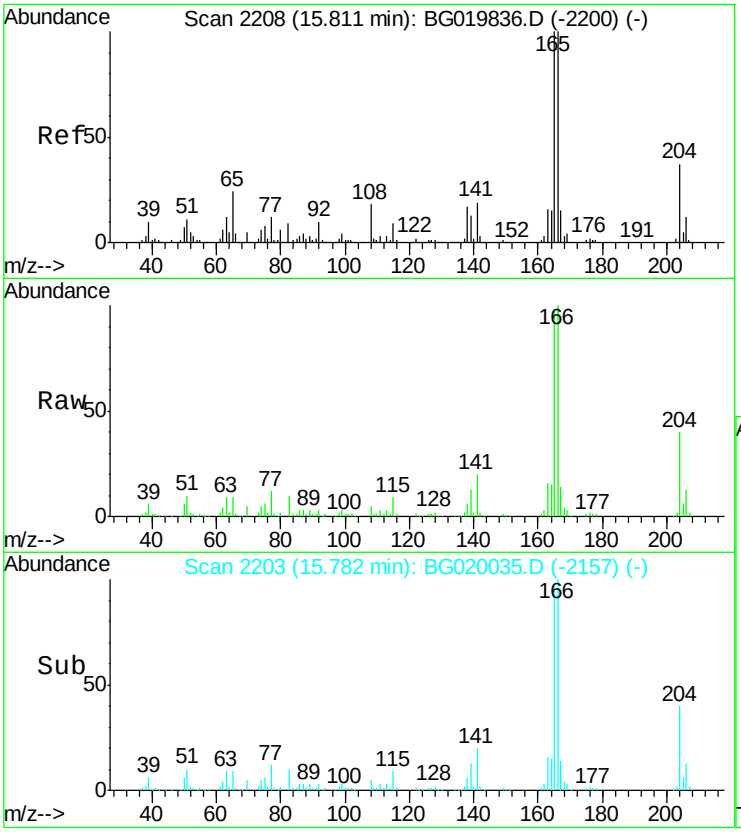




#56
2,4-Dinitrotoluene
Concen: 46.28 ng
RT: 15.09 min Scan# 2086
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:165 Resp: 59485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.7 | 31.0 | 46.4 |
| 89 | 71.6 | 54.4 | 81.6 |
| 182 | 3.1 | 1.6 | 2.4# |

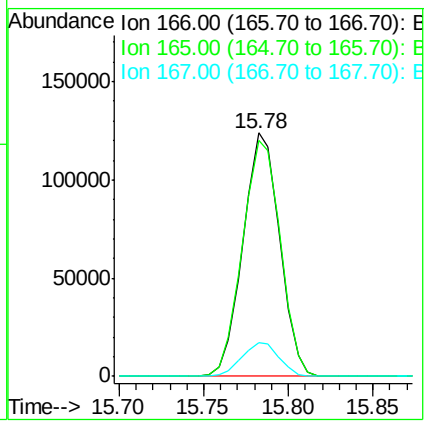





#57
Fluorene
Concen: 39.49 ng
RT: 15.78 min Scan# 2203
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:166 Resp: 187249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 80.0 | 120.0 |
| 167 | 14.1 | 11.1 | 16.7 |




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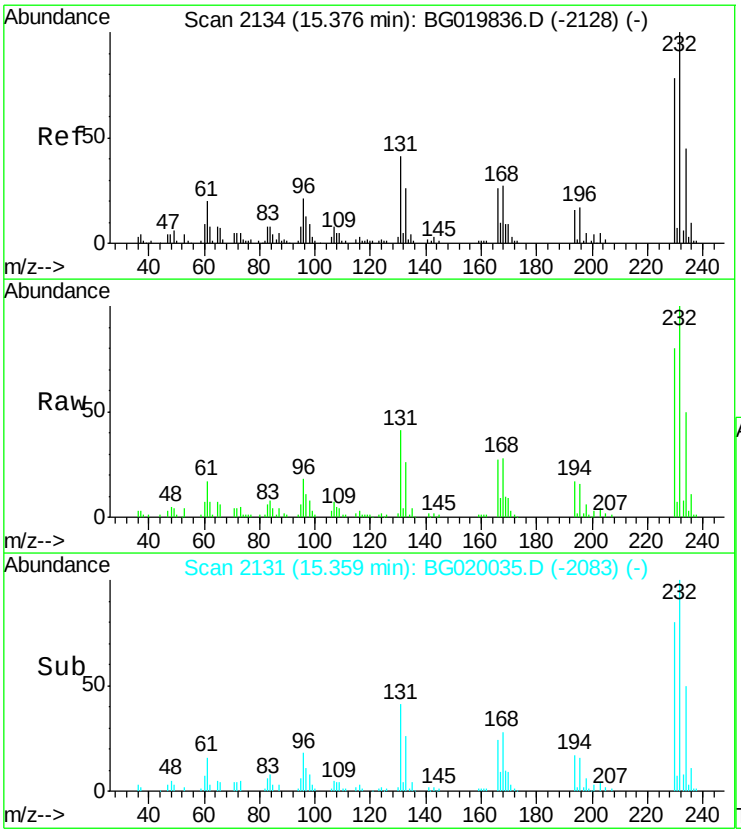
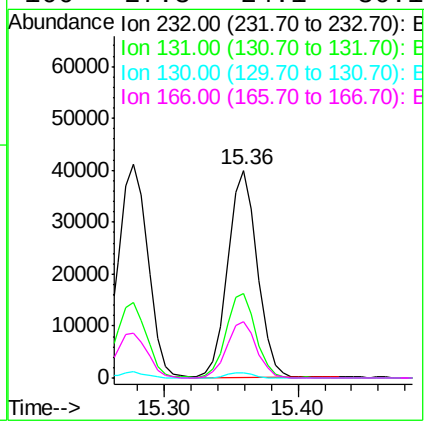
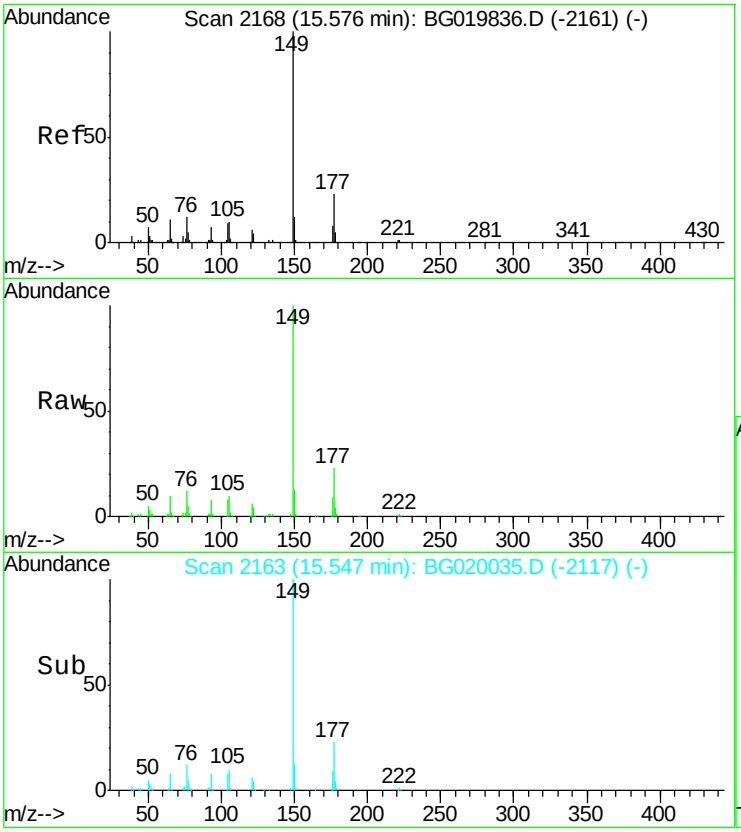



#58
2,3,4,6-Tetrachlorophenol
Concen: 45.91 ng
RT: 15.36 min Scan# 2131
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:232 Resp: 61464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 40.9 | 33.0 | 49.6 |
| 130 | 2.1 | 2.0 | 3.0 |
| 166 | 27.3 | 24.1 | 36.1 |

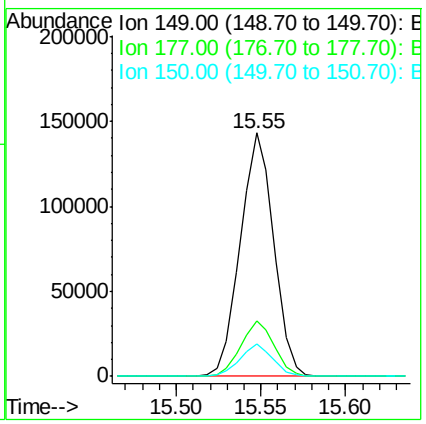





#59
Diethylphthalate
Concen: 37.18 ng
RT: 15.55 min Scan# 2163
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:149 Resp: 197153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 19.6 | 29.4 |
| 150 | 13.3 | 10.2 | 15.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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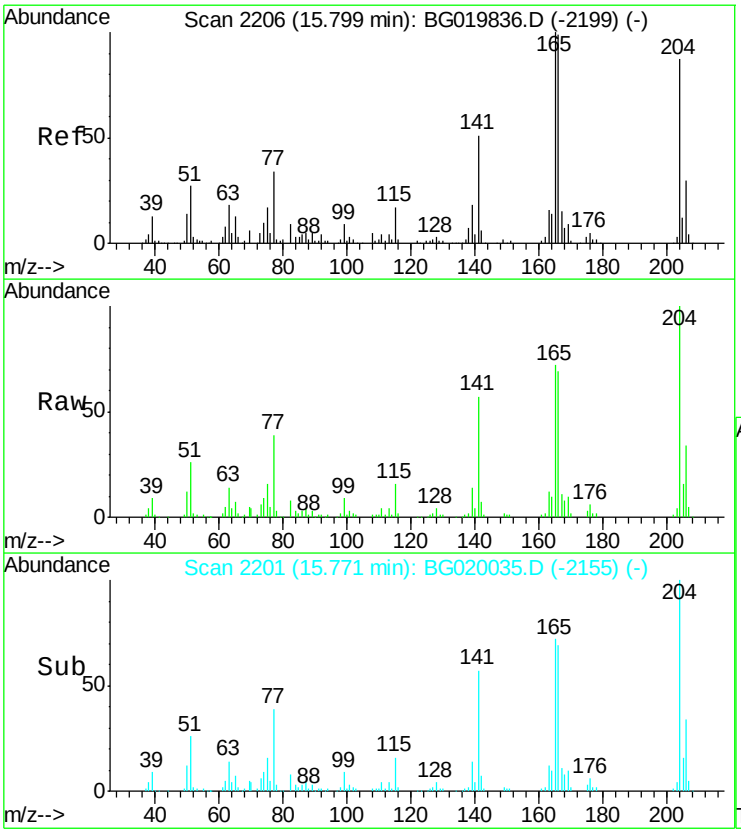
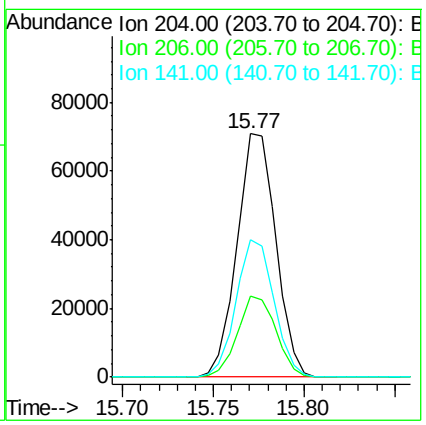
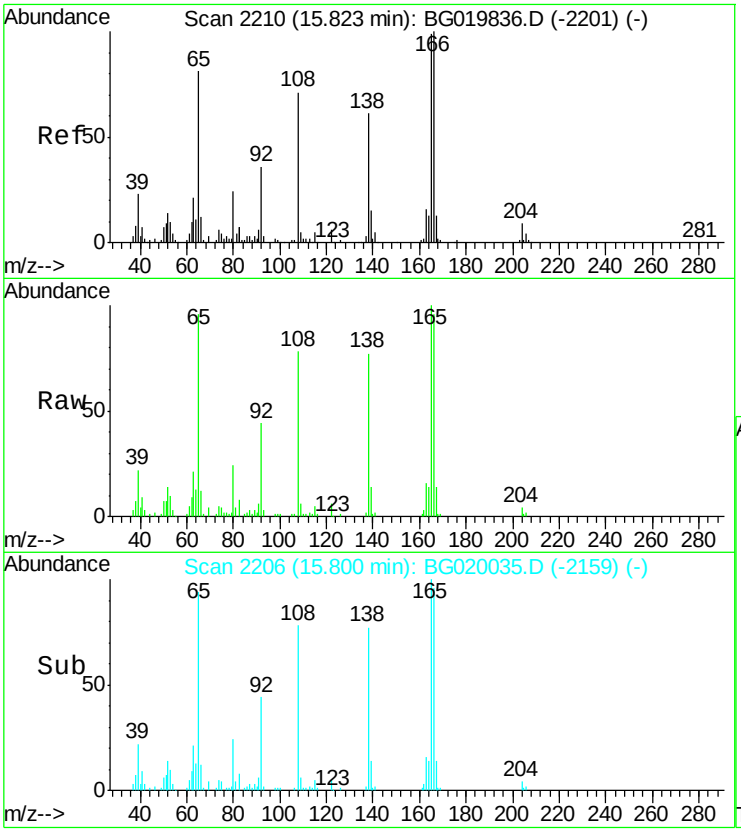



#60
4-Chlorophenyl-phenylether
Concen: 38.75 ng
RT: 15.77 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:204 Resp: 105501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.5 | 28.3 | 42.5 |
| 141 | 56.7 | 44.0 | 66.0 |






#61
4-Nitroaniline
Concen: 41.96 ng
RT: 15.80 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:138 Resp: 45171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 56.4 | 29.1 | 69.1 |
| 108 | 100.7 | 49.8 | 89.8# |

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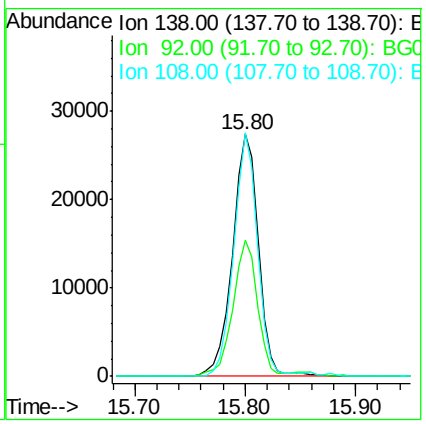
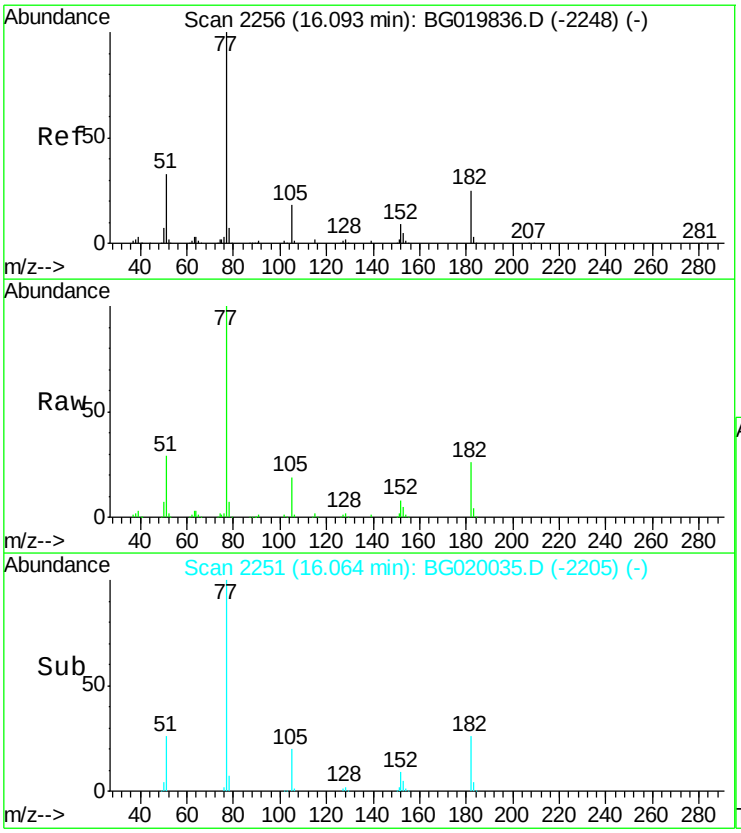
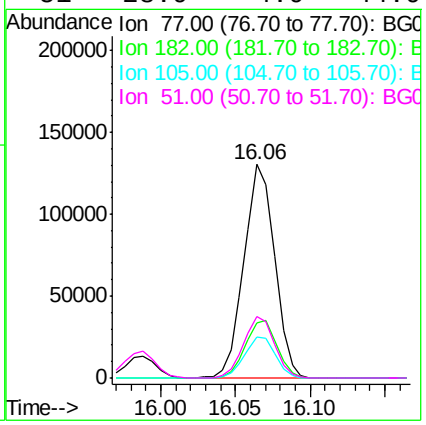


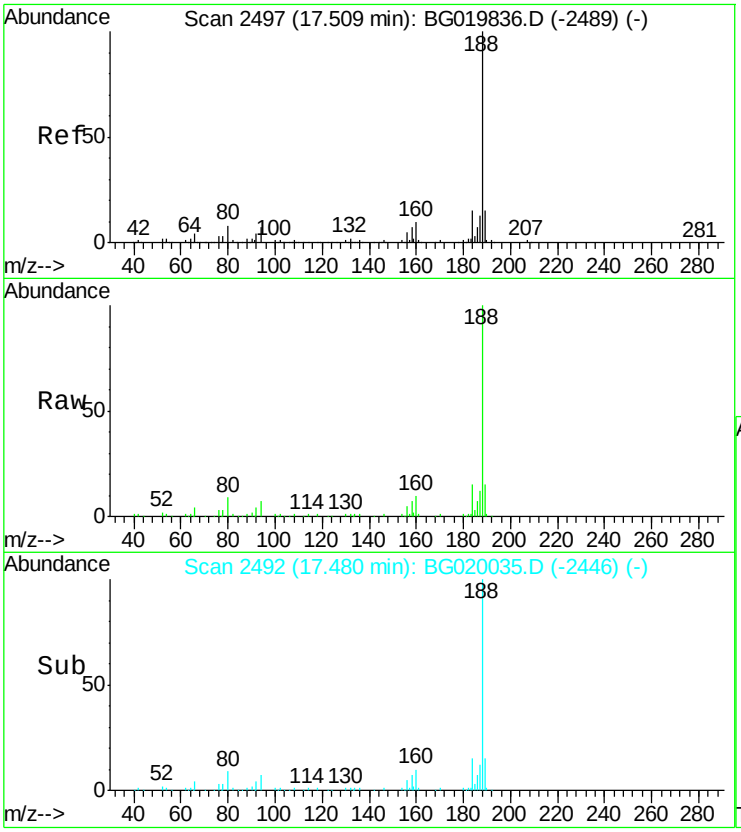




#62
Azobenzene
Concen: 41.97 ng
RT: 16.06 min Scan# 2251
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion: 77 Resp: 185183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.6 | 7.0 | 47.0 |
| 105 | 19.5 | 1.4 | 41.4 |
| 51 | 28.9 | 4.9 | 44.9 |






#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:188 Resp: 135411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 7.7 | 11.5# |
| 80 | 9.3 | 7.8 | 11.8 |

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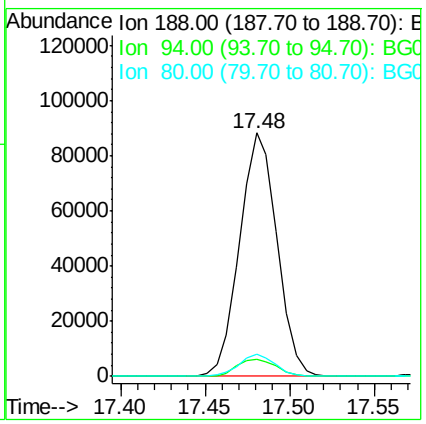
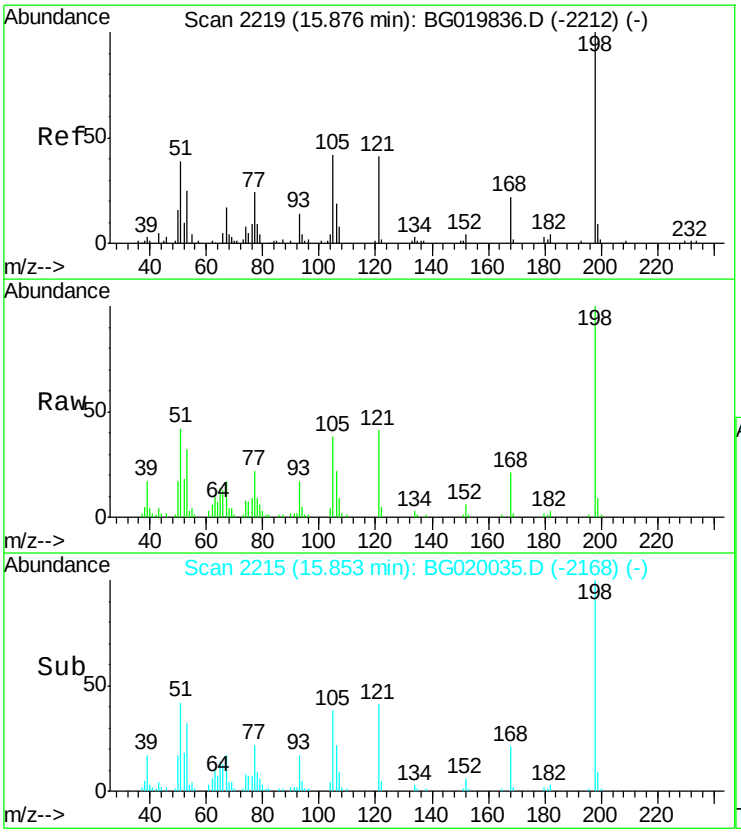
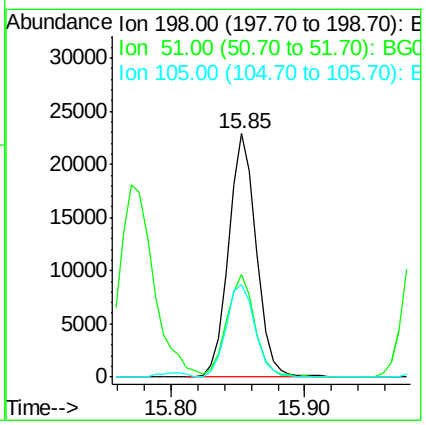


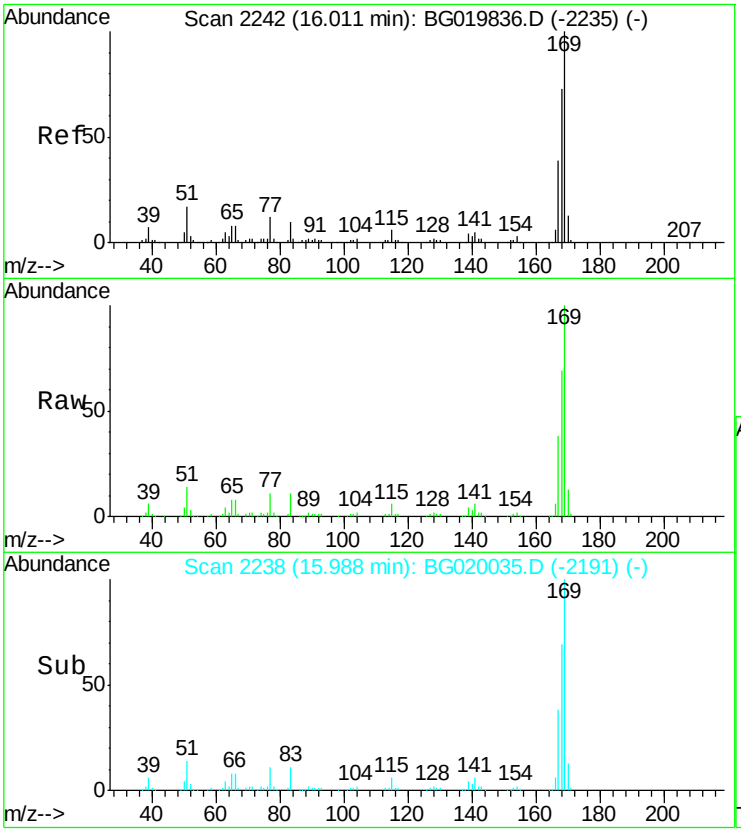




#64
4,6-Dinitro-2-methylphenol
Concen: 44.11 ng
RT: 15.85 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:198 Resp: 33127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.3 | 14.2 | 54.2 |
| 105 | 37.8 | 21.1 | 61.1 |

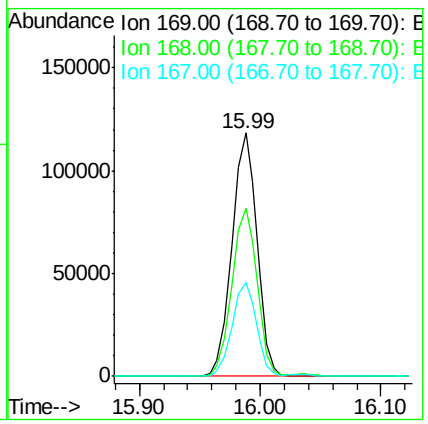





#65
n-Nitrosodiphenylamine
Concen: 43.63 ng
RT: 15.99 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:169 Resp: 170957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 69.1 | 58.2 | 87.2 |
| 167 | 38.3 | 32.7 | 49.1 |




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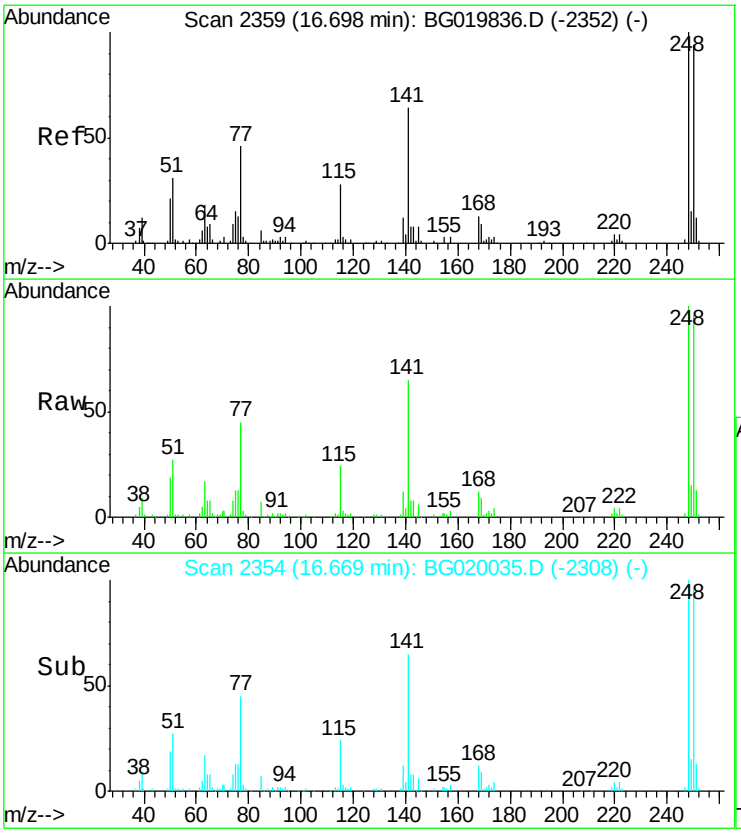
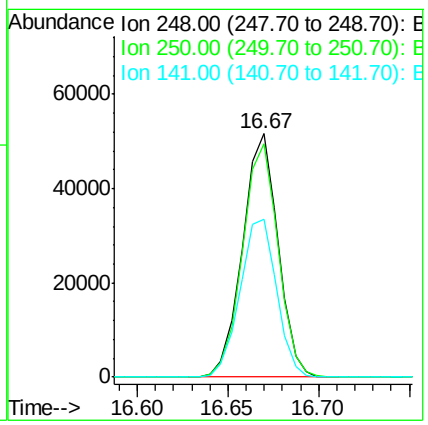
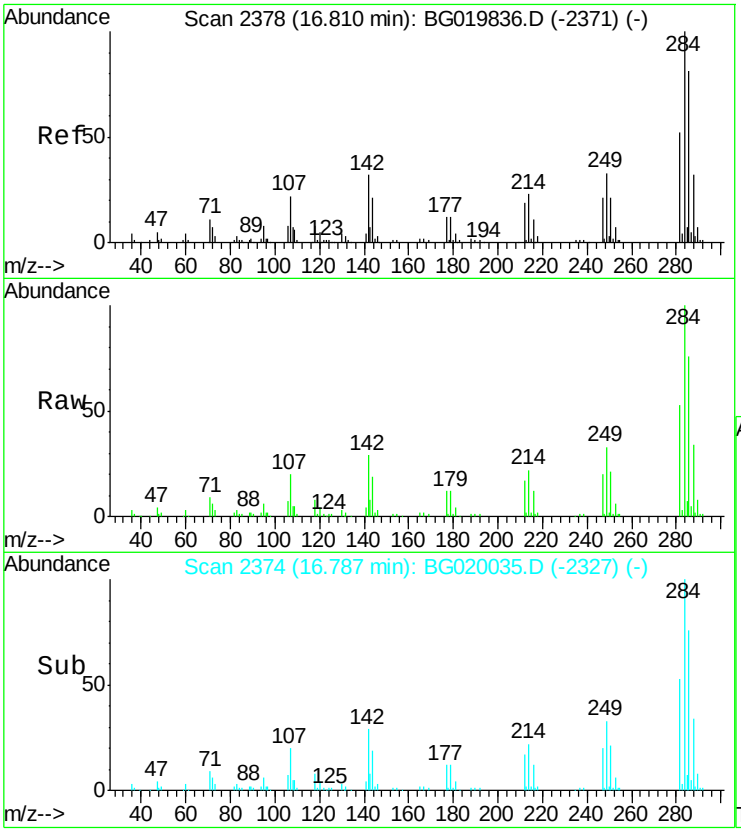



#66
4-Bromophenyl-phenylether
Concen: 41.67 ng
RT: 16.67 min Scan# 2354
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:248 Resp: 70109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.0 | 77.8 | 116.8 |
| 141 | 64.8 | 50.4 | 75.6 |

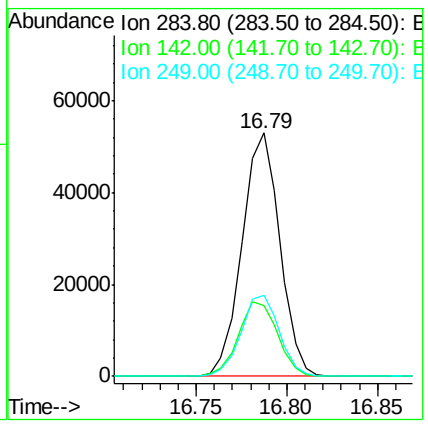





#67
Hexachlorobenzene
Concen: 43.73 ng
RT: 16.79 min Scan# 2374
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:284 Resp: 76651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 29.2 | 26.6 | 39.8 |
| 249 | 33.2 | 26.2 | 39.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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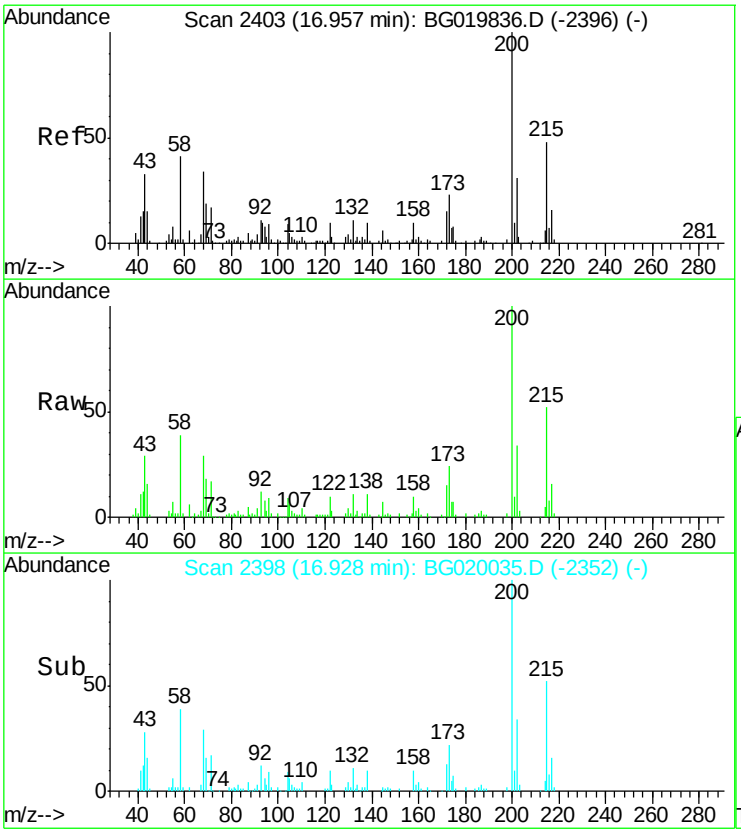
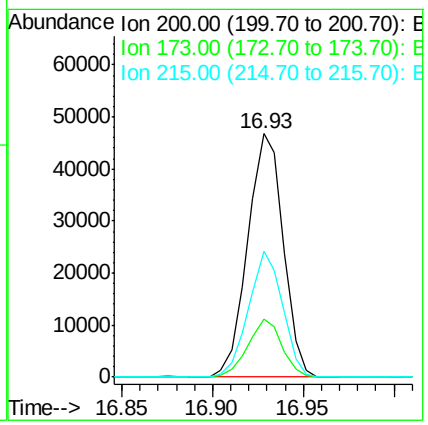
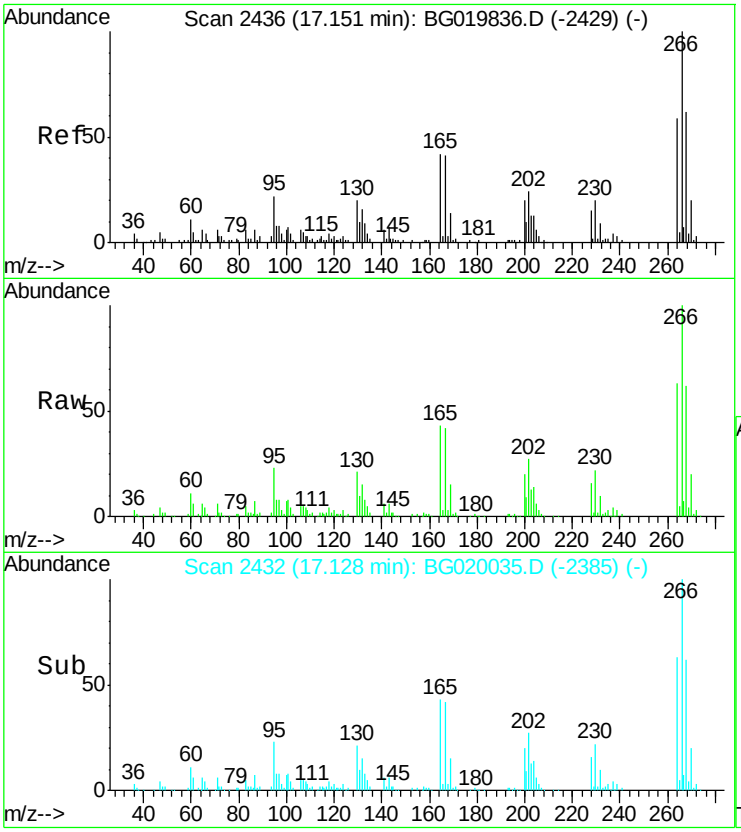



#68
Atrazine
Concen: 37.28 ng
RT: 16.93 min Scan# 2398
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:200 Resp: 63462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 23.8 | 5.2 | 45.2 |
| 215 | 51.7 | 27.0 | 67.0 |

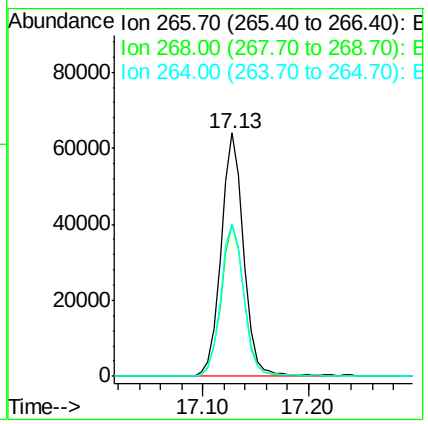





#69
Pentachlorophenol
Concen: 93.10 ng
RT: 17.13 min Scan# 2432
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:266 Resp: 95247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.3 | 47.6 | 71.4 |
| 264 | 62.6 | 48.1 | 72.1 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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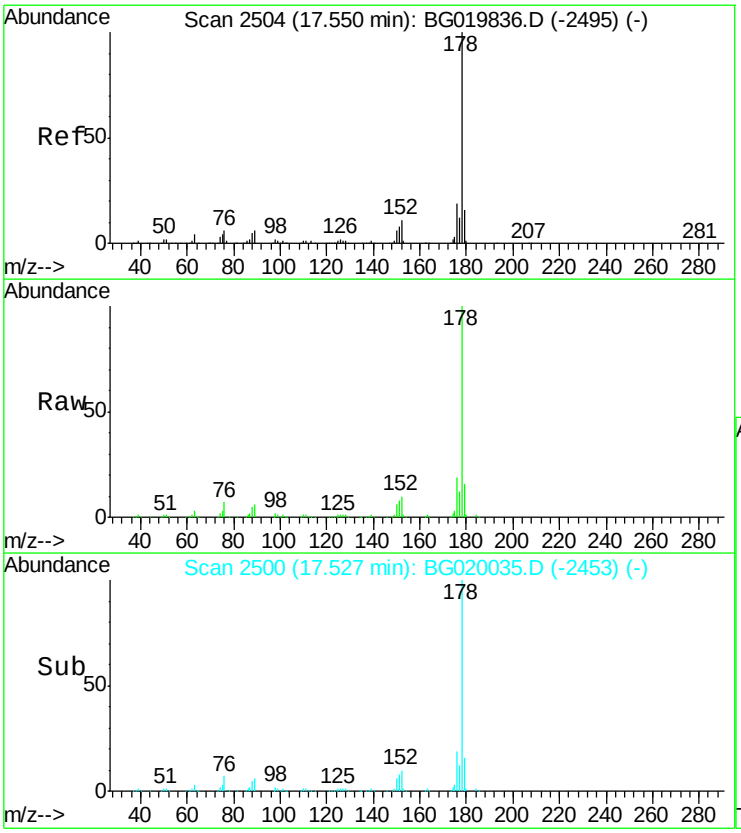
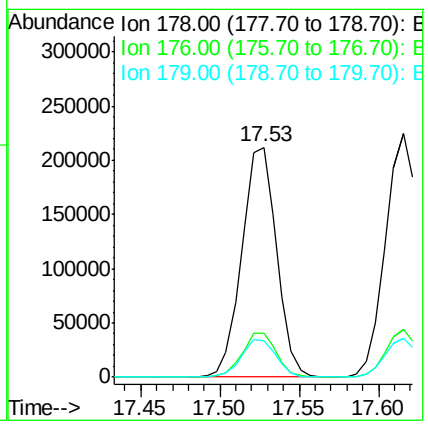
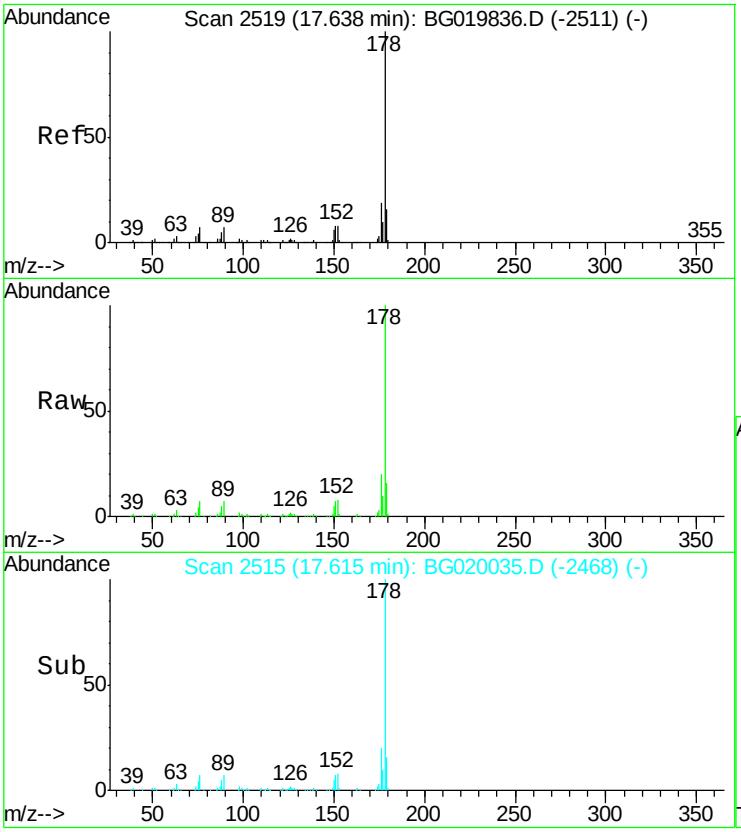



#70
Phenanthrene
Concen: 42.06 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:178 Resp: 322255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 16.7 | 25.1 |
| 179 | 15.7 | 13.9 | 20.9 |

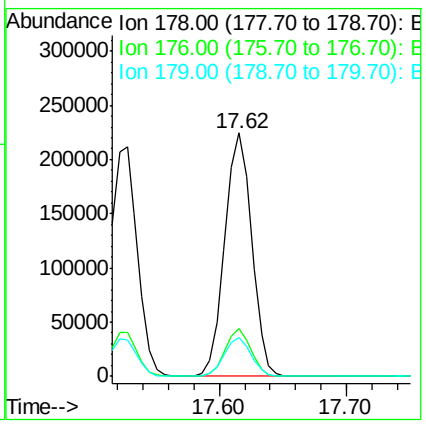





#71
Anthracene
Concen: 42.36 ng
RT: 17.62 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:178 Resp: 330568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 16.8 | 25.2 |
| 179 | 16.1 | 13.9 | 20.9 |




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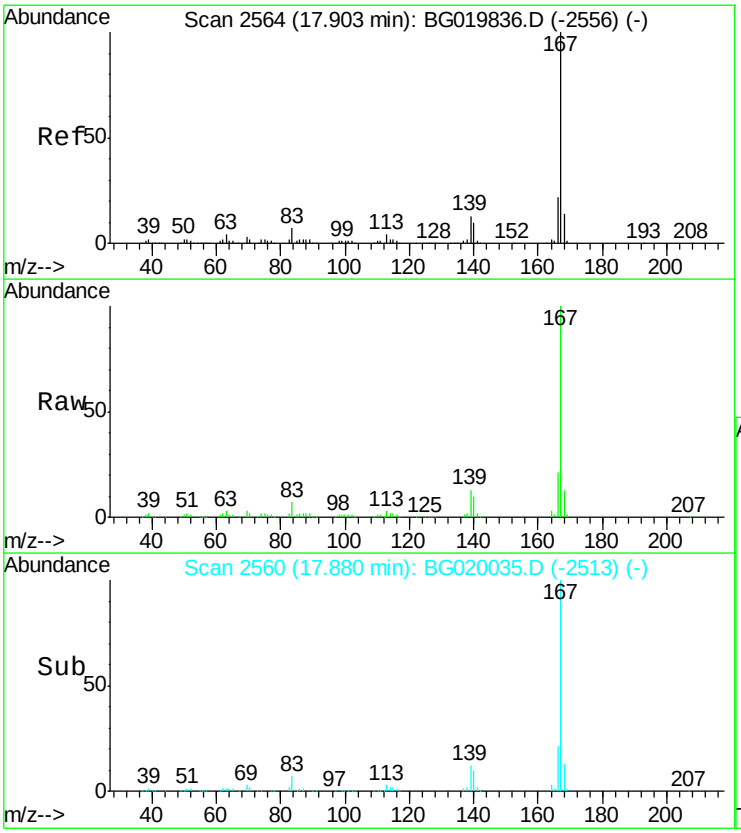
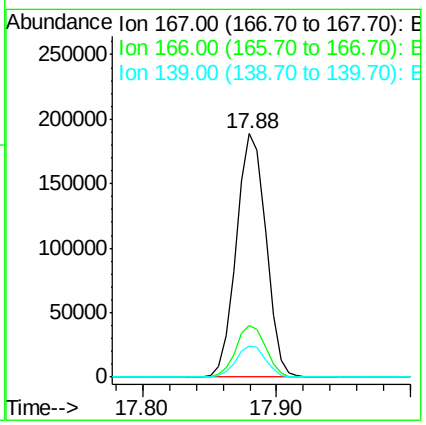
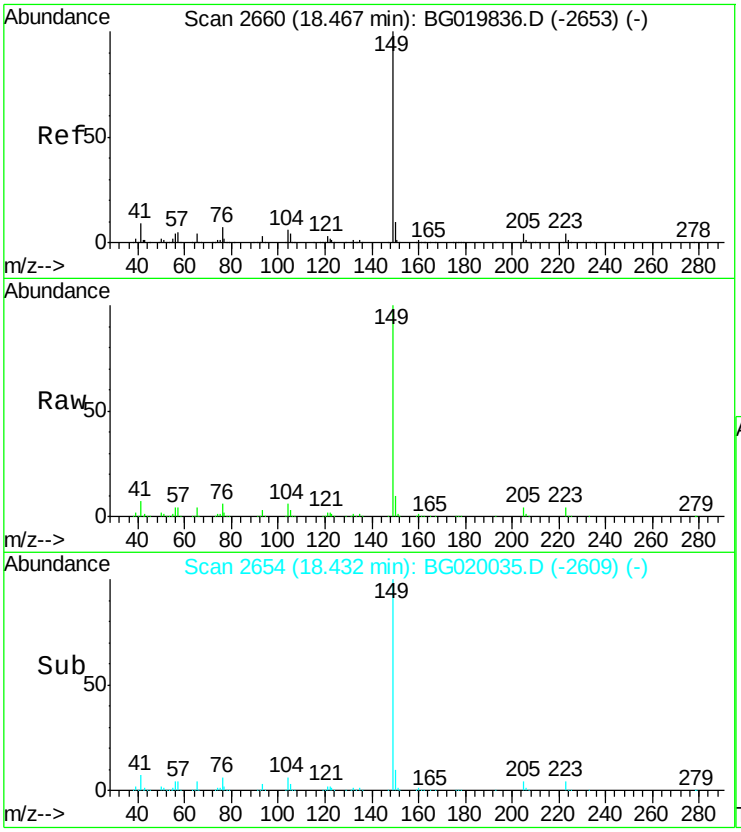



#72
Carbazole
Concen: 42.12 ng
RT: 17.88 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:167 Resp: 289549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 19.0 | 28.6 |
| 139 | 12.8 | 10.2 | 15.4 |

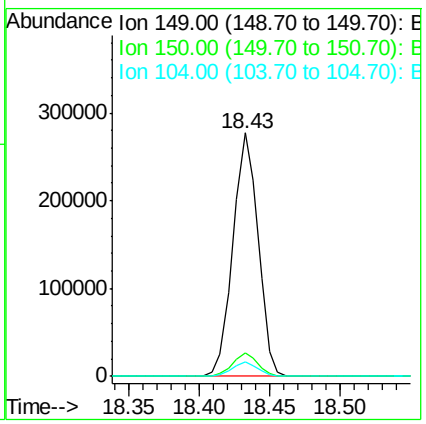





#73
Di-n-butylphthalate
Concen: 40.76 ng
RT: 18.43 min Scan# 2654
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:149 Resp: 343423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 8.2 | 12.4 |
| 104 | 6.1 | 4.4 | 6.6 |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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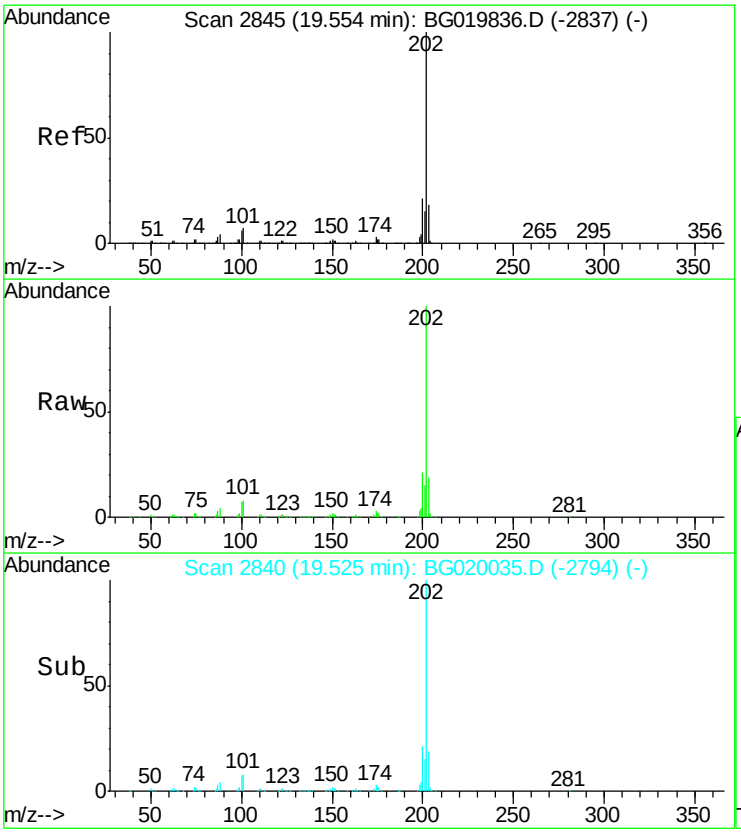
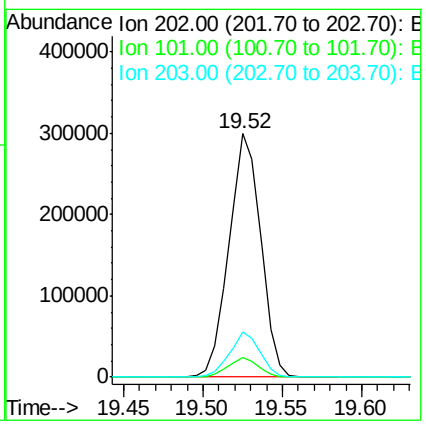
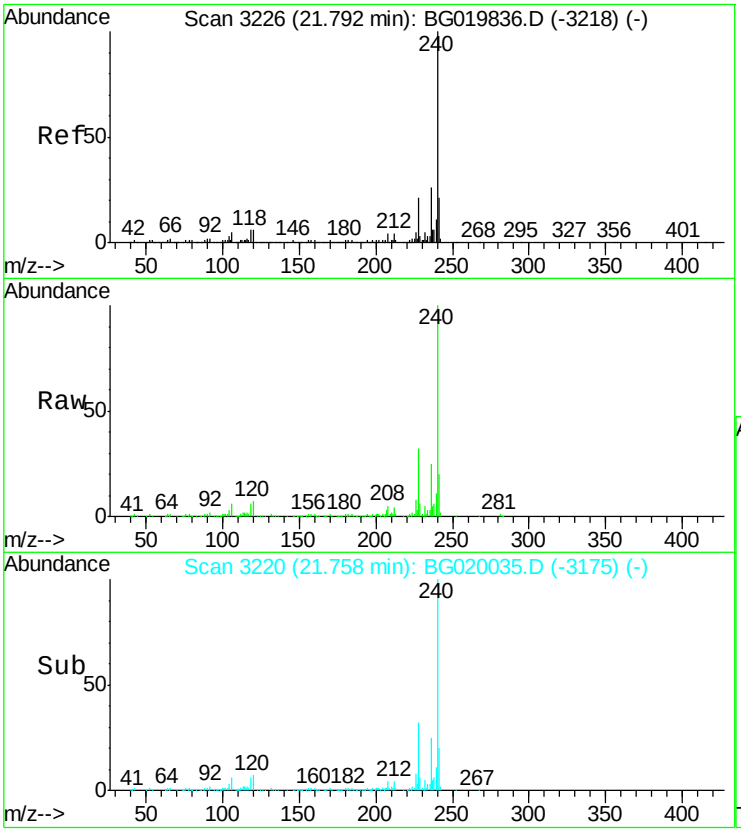



#74
Fluoranthene
Concen: 42.21 ng
RT: 19.52 min Scan# 2840
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:202 Resp: 413597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 32.4 |
| 203 | 18.7 | 0.0 | 39.5 |






#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3220
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:240 Resp: 169366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.9 | 7.4 | 11.0# |
| 236 | 24.9 | 20.7 | 31.1 |

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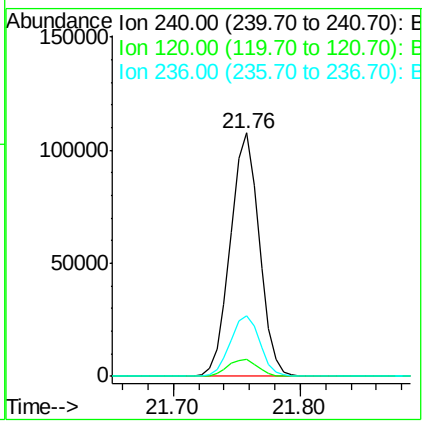
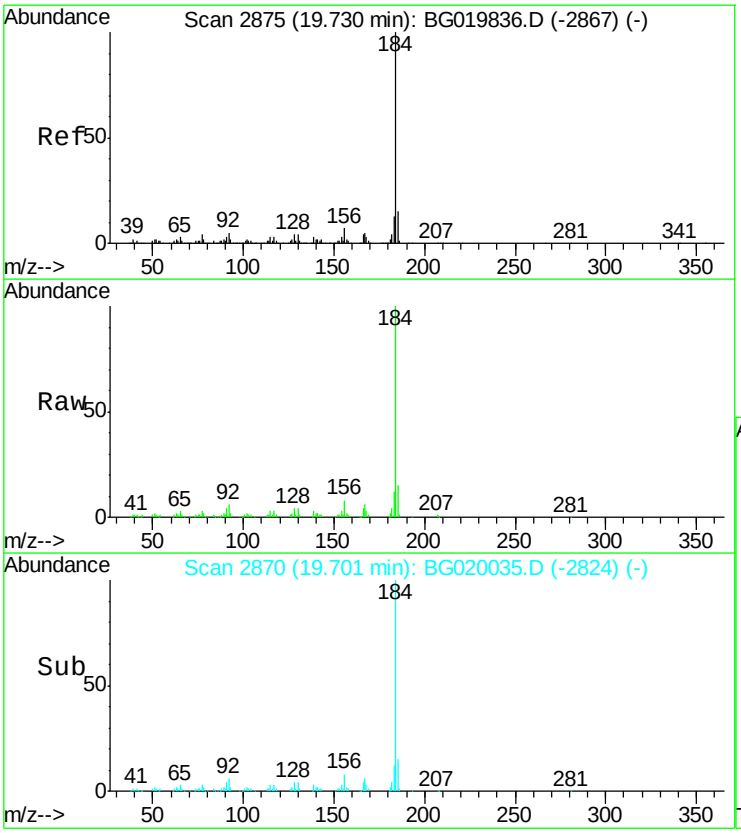
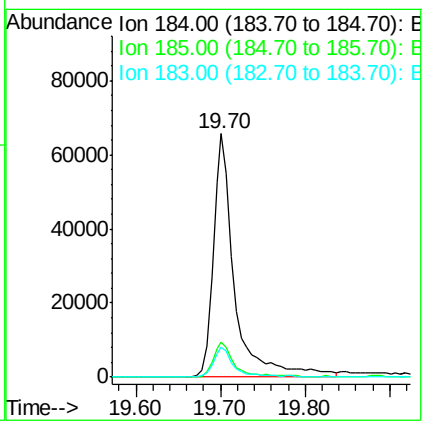


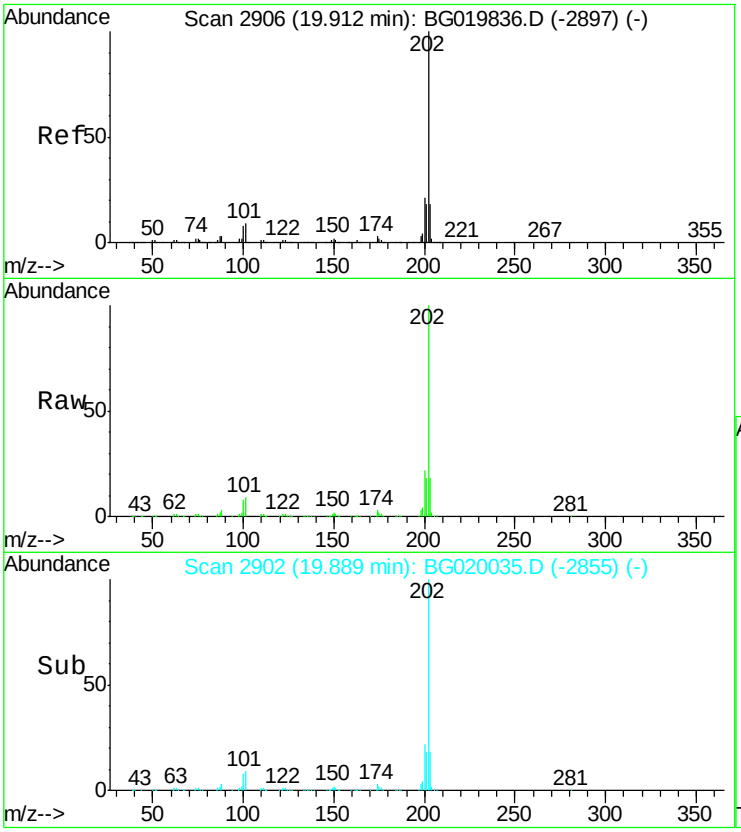




#76
Benzidine
Concen: 20.88 ng
RT: 19.70 min Scan# 2870
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:184 Resp: 116152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 13.4 | 20.2 |
| 183 | 12.2 | 10.1 | 15.1 |






#77
Pyrene
Concen: 43.08 ng
RT: 19.89 min Scan# 2902
Delta R.T. -0.02 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:202 Resp: 429255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 19.4 | 29.0 |
| 203 | 18.2 | 15.5 | 23.3 |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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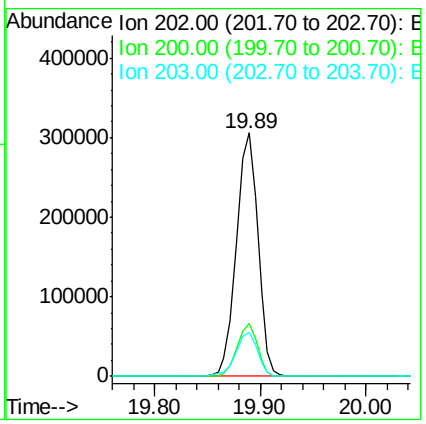
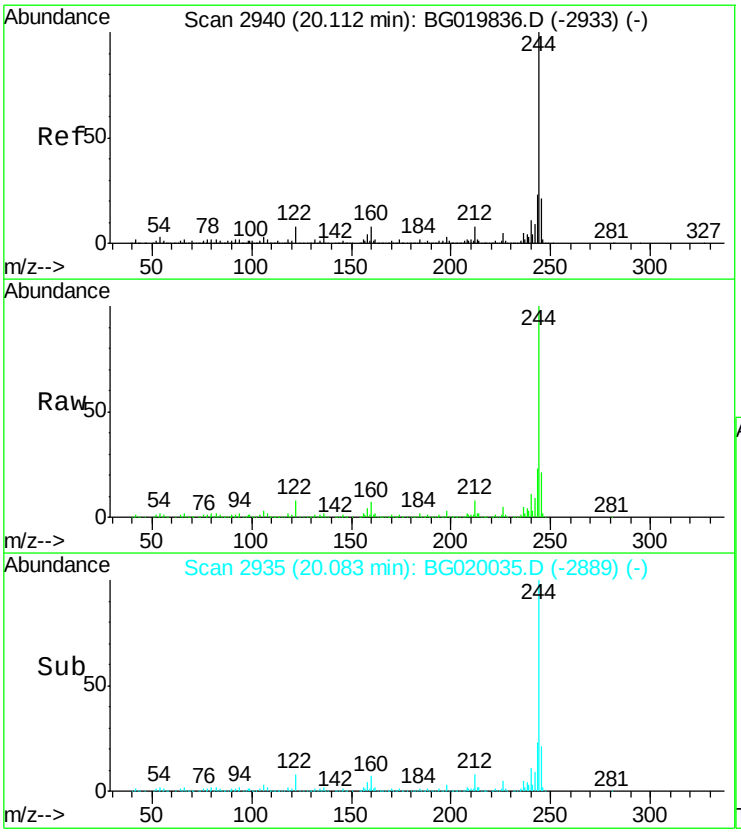
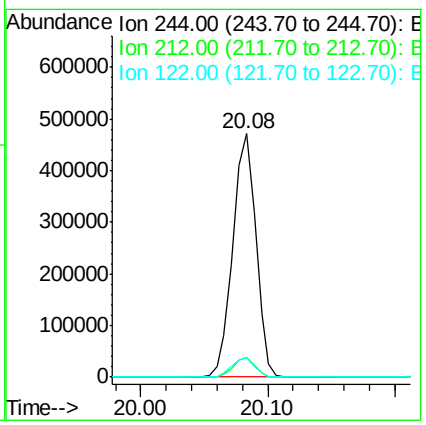


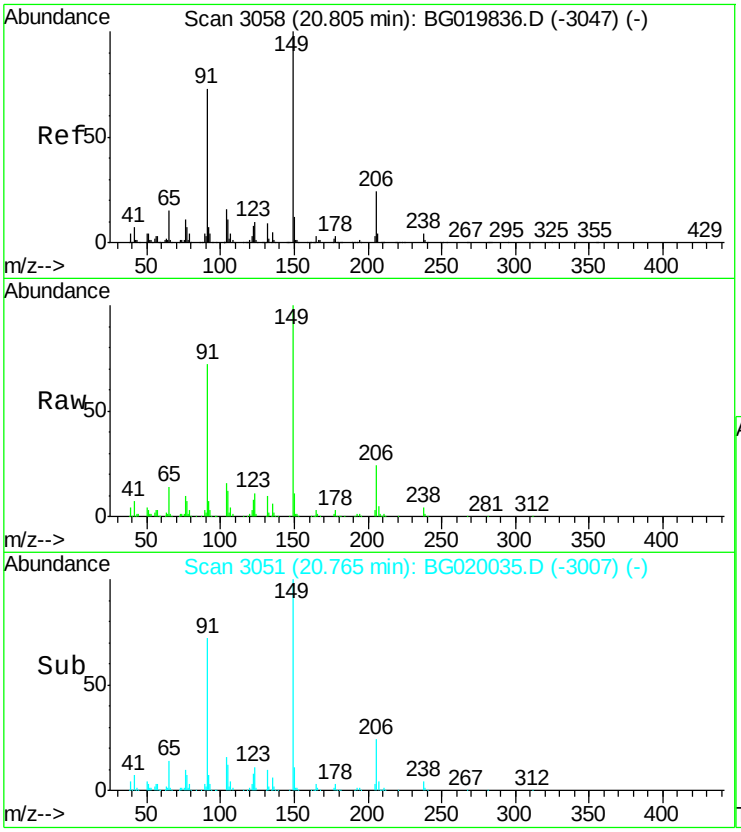




#78
Terphenyl-d14
Concen: 85.33 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:244 Resp: 592508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 6.9 | 10.3 |
| 122 | 8.0 | 10.2 | 15.2# |






#79
Butylbenzylphthalate
Concen: 41.83 ng
RT: 20.76 min Scan# 3051
Delta R.T. -0.04 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:149 Resp: 163377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.0 | 58.1 | 87.1 |
| 206 | 24.1 | 17.8 | 26.8 |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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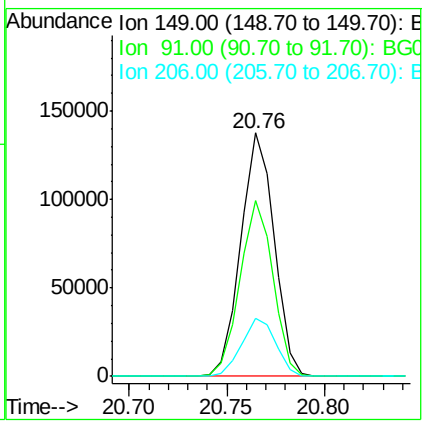
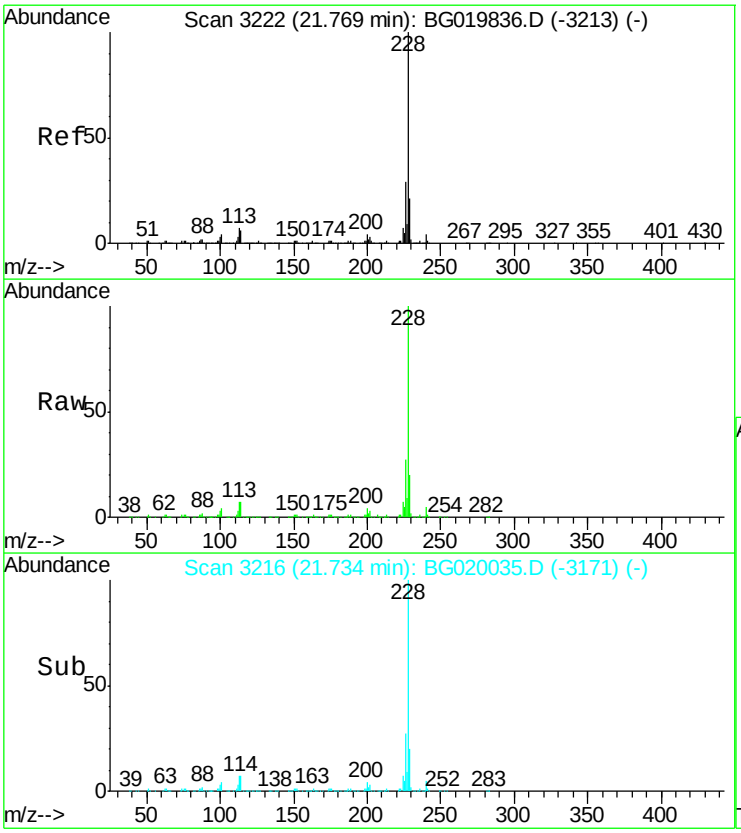
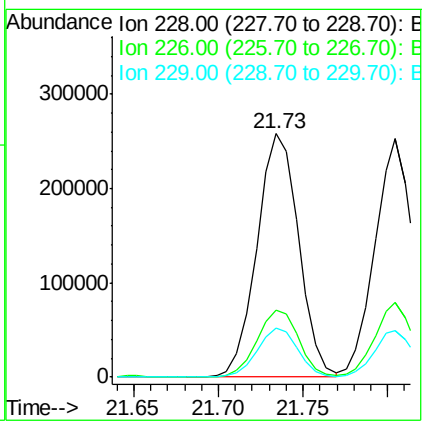


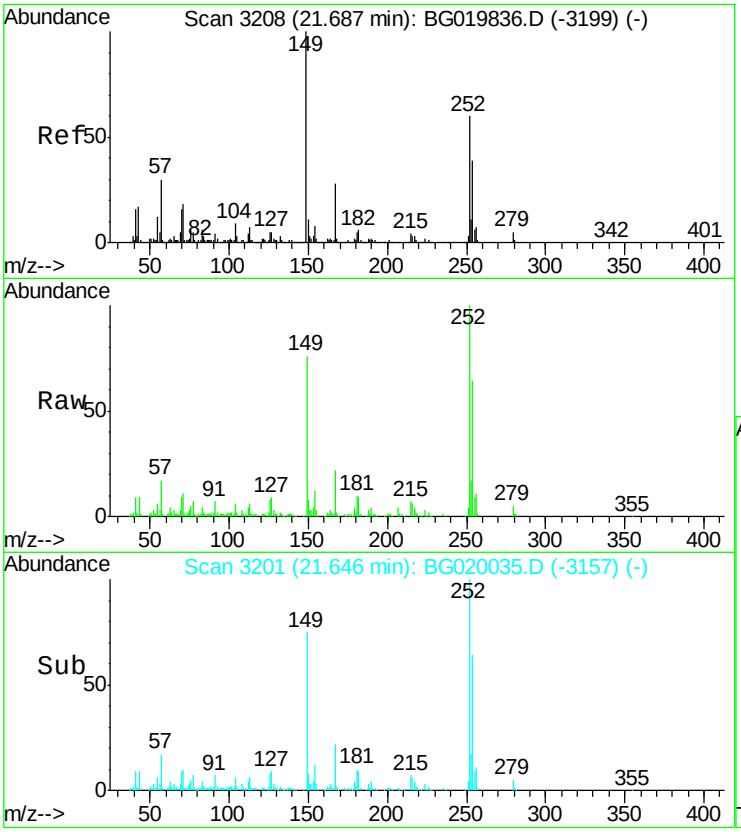




#80
Benzo(a)anthracene
Concen: 42.56 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:228 Resp: 441244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 23.4 | 35.0 |
| 229 | 20.1 | 16.6 | 25.0 |

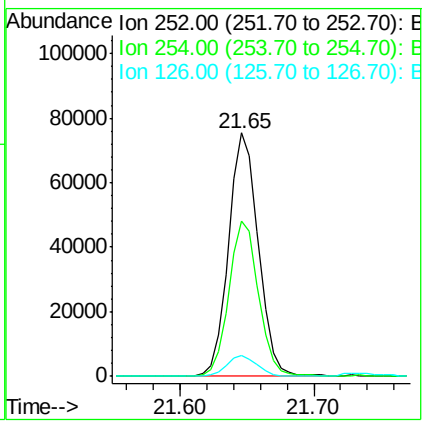





#81
3,3'-Dichlorobenzidine
Concen: 29.71 ng
RT: 21.65 min Scan# 3201
Delta R.T. -0.04 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:252 Resp: 117286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.5 | 52.5 | 78.7 |
| 126 | 8.3 | 8.5 | 12.7# |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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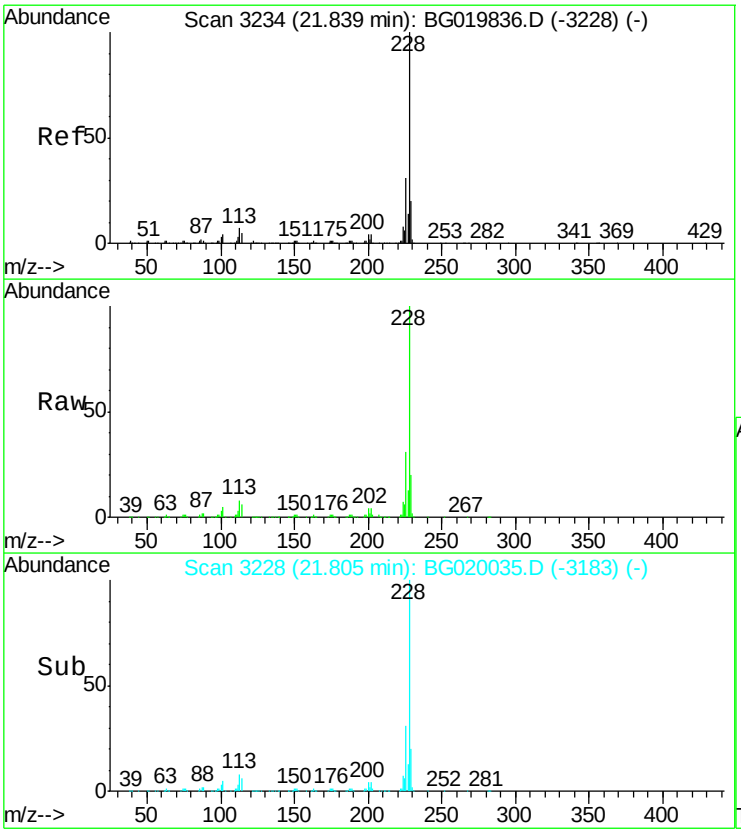
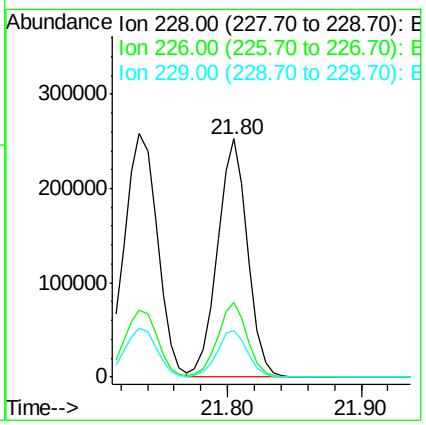
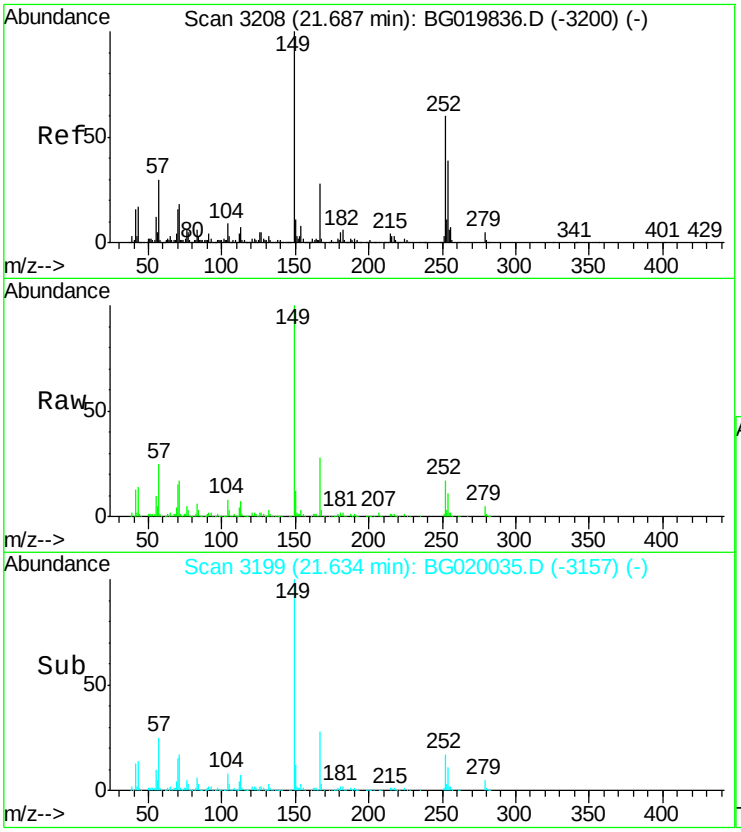



#82
Chrysene
Concen: 40.33 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.03 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:228 Resp: 396976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 26.7 | 40.1 |
| 229 | 19.6 | 17.0 | 25.6 |






#83
Bis(2-ethylhexyl)phthalate
Concen: 41.28 ng
RT: 21.63 min Scan# 3199
Delta R.T. -0.05 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:149 Resp: 236613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.5 | 23.8 | 35.8 |
| 279 | 5.1 | 3.4 | 5.2 |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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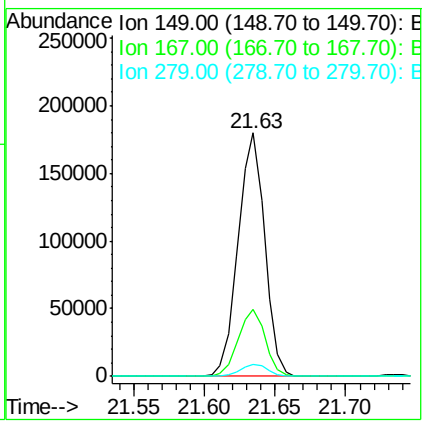
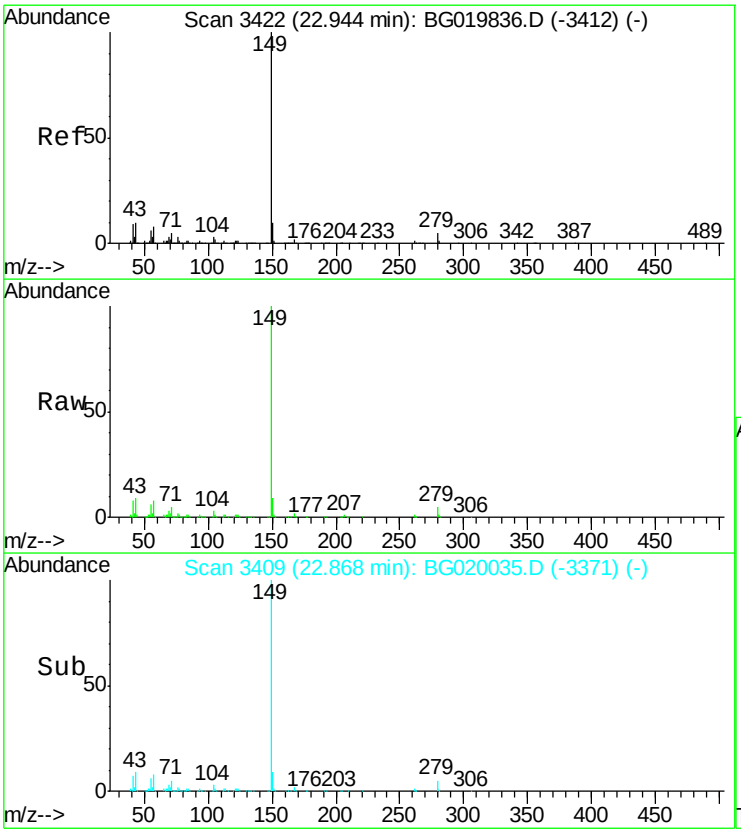
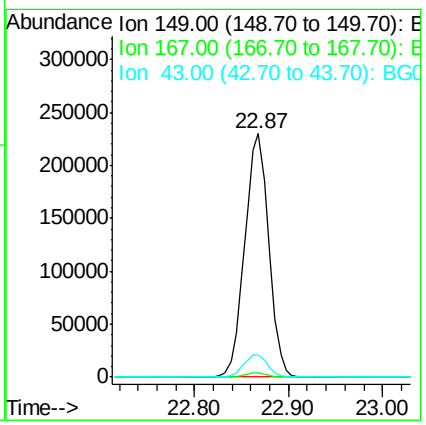


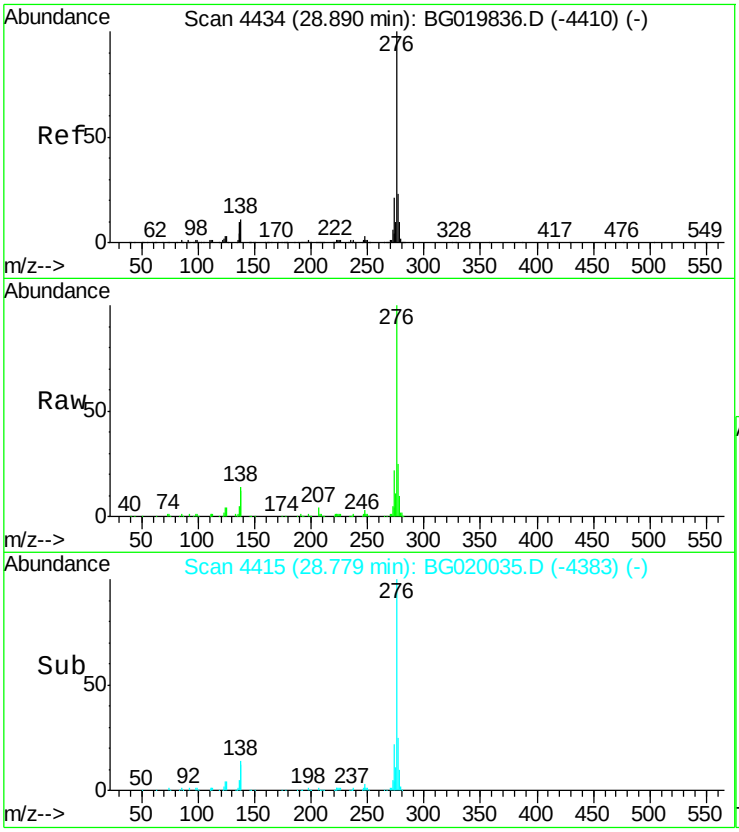




#84
Di-n-octyl phthalate
Concen: 43.44 ng
RT: 22.87 min Scan# 3409
Delta R.T. -0.08 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:149 Resp: 404809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 9.3 | 5.9 | 8.9# |






#85
Indeno(1,2,3-cd)pyrene
Concen: 43.56 ng
RT: 28.78 min Scan# 4415
Delta R.T. -0.11 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:276 Resp: 472289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.7 | 0.0 | 0.0# |
| 277 | 25.6 | 0.0 | 0.0# |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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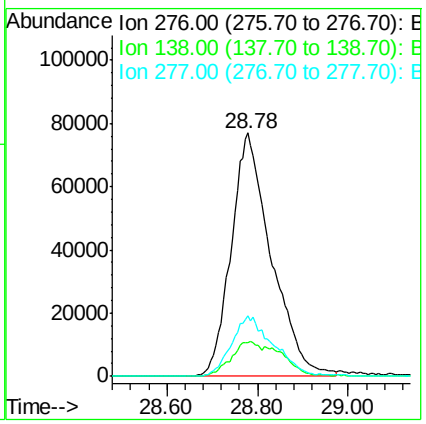
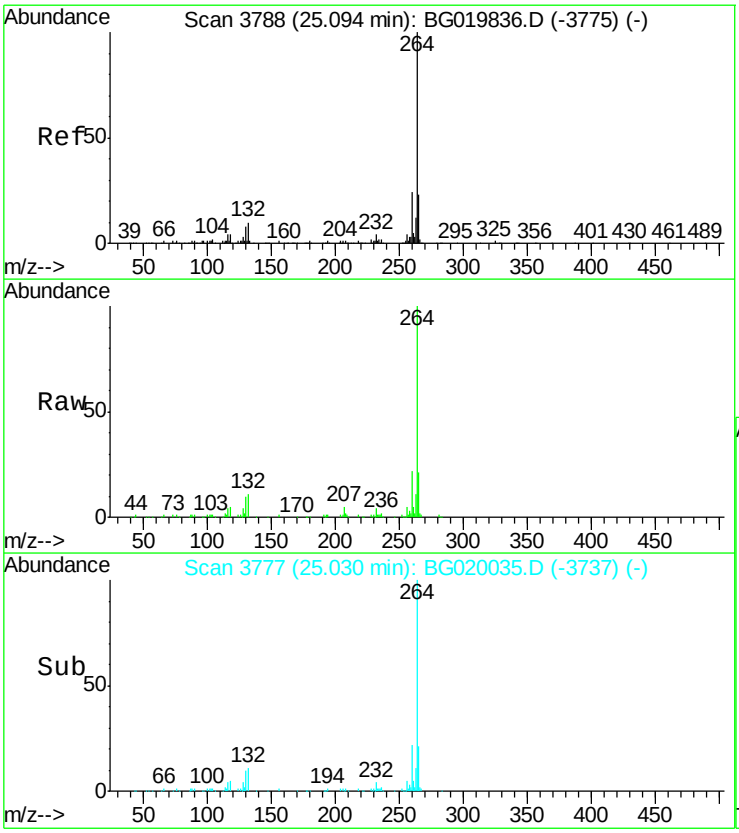
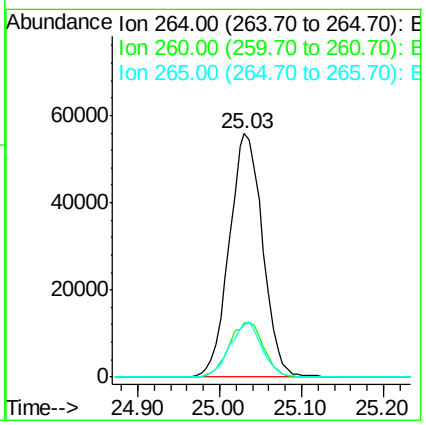


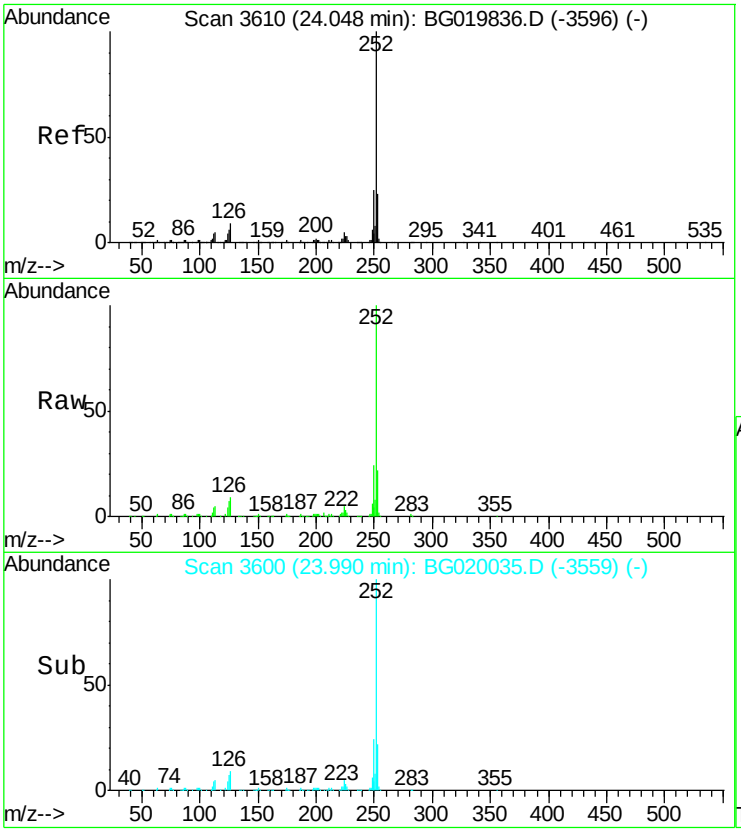




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.06 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:264 Resp: 158369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.5 | 27.7 |
| 265 | 21.0 | 17.2 | 25.8 |






#87
Benzo(b)fluoranthene
Concen: 42.24 ng
RT: 23.99 min Scan# 3600
Delta R.T. -0.06 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:252 Resp: 423980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 19.1 | 28.7 |
| 125 | 7.3 | 8.9 | 13.3# |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

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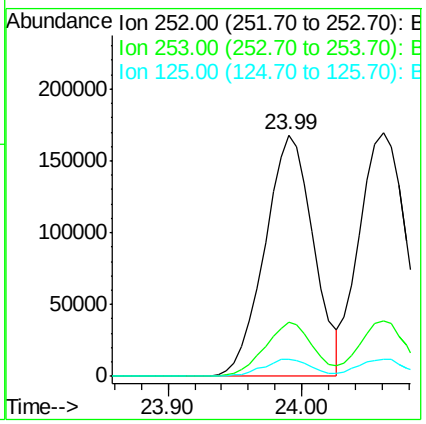
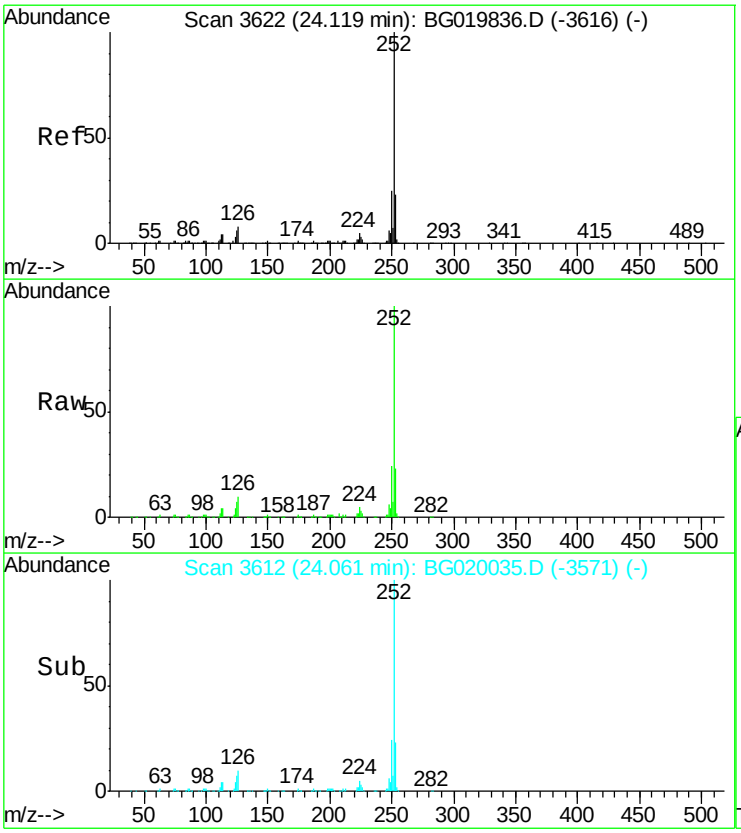
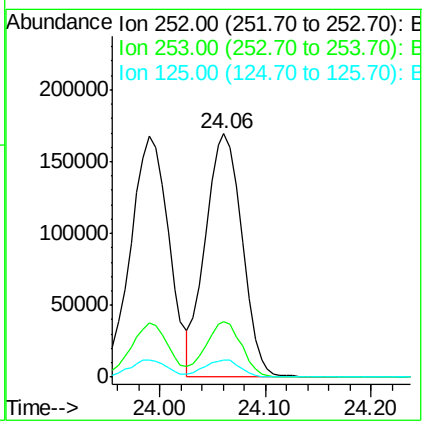


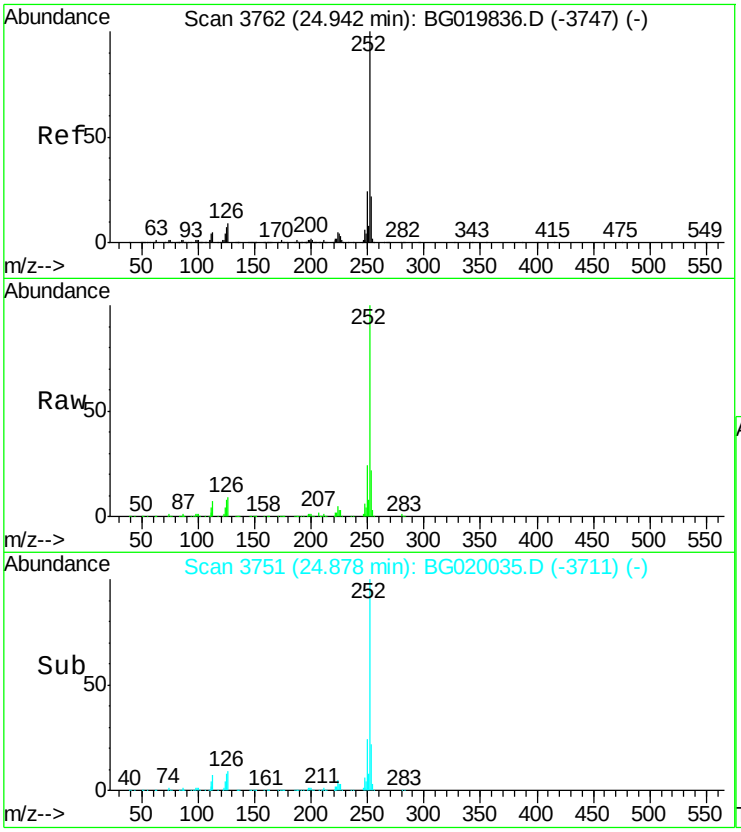




#88
Benzo(k)fluoranthene
Concen: 41.03 ng
RT: 24.06 min Scan# 3612
Delta R.T. -0.06 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:252 Resp: 407860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 19.0 | 28.4 |
| 125 | 7.0 | 8.9 | 13.3# |






#89
Benzo(a)pyrene
Concen: 43.01 ng
RT: 24.88 min Scan# 3751
Delta R.T. -0.06 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:252 Resp: 409844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 18.7 | 28.1 |
| 125 | 7.8 | 9.1 | 13.7# |

**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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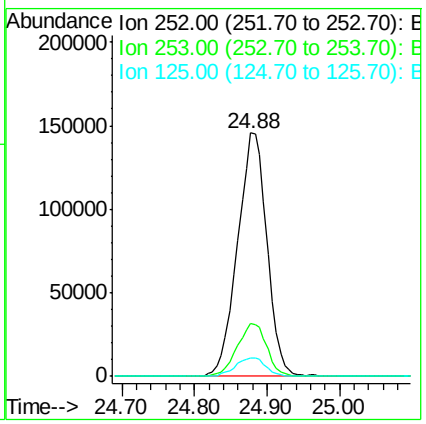
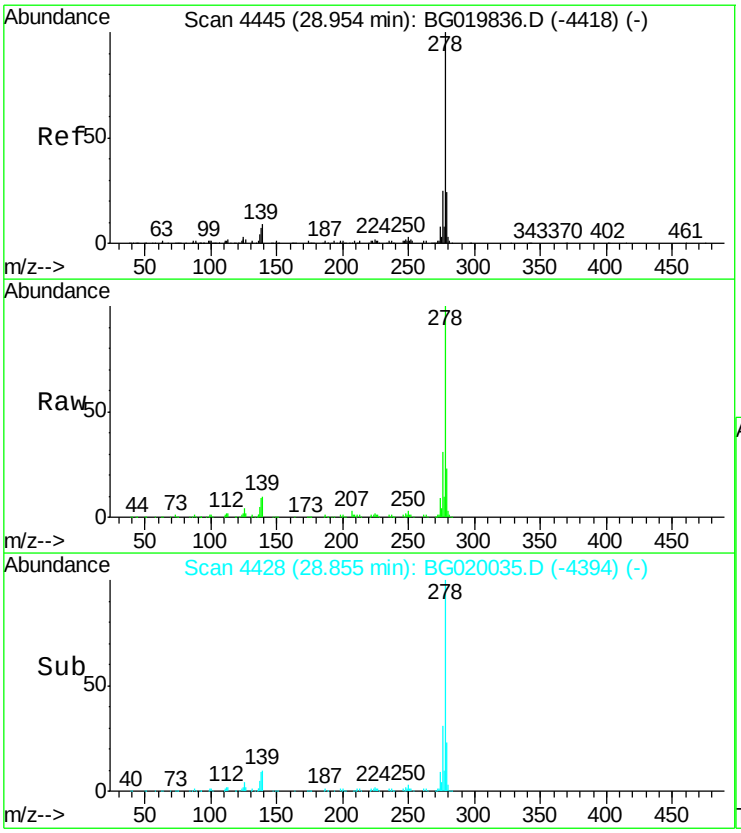
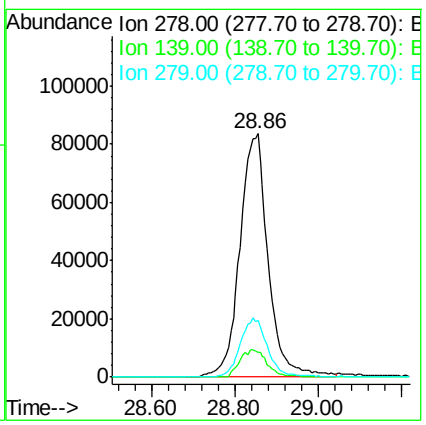


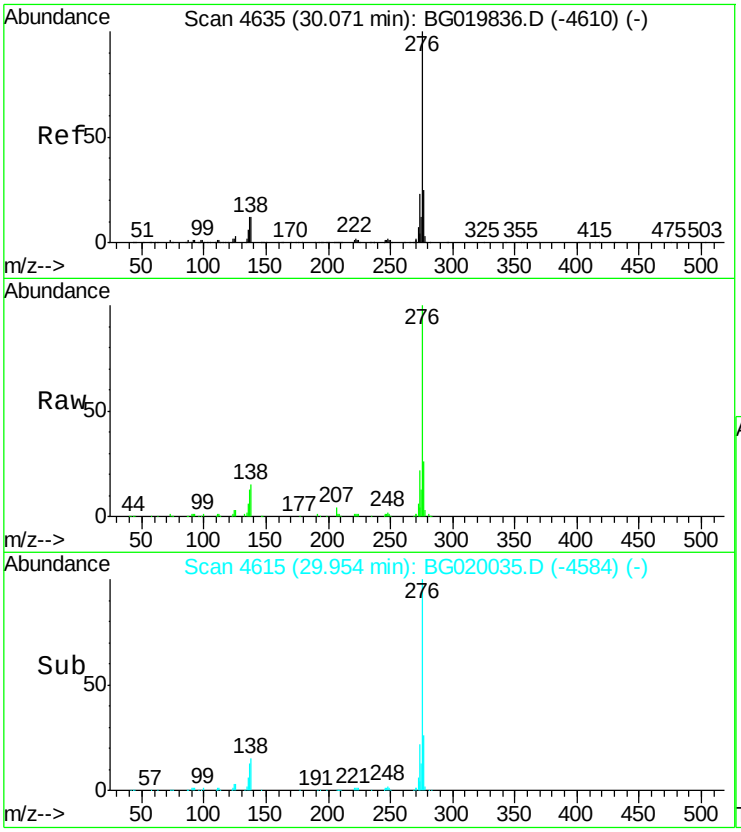




#90
Dibenzo(a,h)anthracene
Concen: 41.95 ng
RT: 28.86 min Scan# 4428
Delta R.T. -0.10 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:278 Resp: 394907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 10.4 | 13.8 | 20.6# |
| 279 | 23.1 | 19.4 | 29.0 |

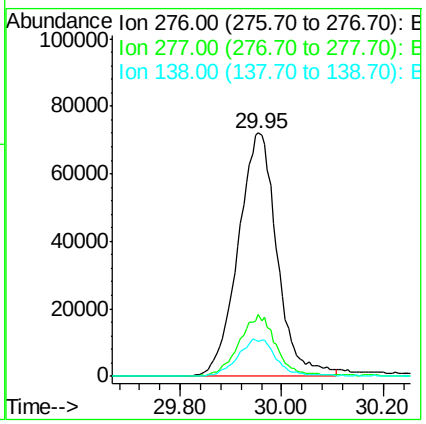





#91
Benzo(g,h,i)perylene
Concen: 41.52 ng
RT: 29.95 min Scan# 4615
Delta R.T. -0.12 min
Lab File: BG020035.D
Acq: 9 Dec 2015 9:24

Tgt Ion:276 Resp: 383805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.6 | 18.4 | 27.6 |
| 138 | 14.6 | 17.4 | 26.0# |




**Instrument :**
BNA_G
**ClientSampleId :**
PB87048BSD

**Manual Integrations APPROVED**
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