Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061416\
Data File : BG022358.D
Acq On : 15 Jun 2016 7:23
Operator : UM/SJ
Sample : H3542-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-11

Quant Time: Jun 15 08:07:04 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 30568 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.89 | 136 | 164846 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.71 | 164 | 98637 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.46 | 188 | 190600 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.73 | 240 | 165062 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 25.00 | 264 | 155857 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 104605 | 66.16 | ng | | -0.02 |
| 7) Phenol-d6 | 7.24 | 99 | 116701 | 46.95 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 157953 | 66.80 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.20 | 330 | 102980 | 92.40 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.33 | 172 | 421319 | 65.09 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.05 | 244 | 408131 | 58.70 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 5316 | 11.61 | ng | # | 1 |
| 6) Aniline | 7.40 | 93 | 9363 | 2.96 | ng | # | 86 |
| 10) Phenol | 7.27 | 94 | 52273 | 20.40 | ng | | 83 |
| 17) 2-Methylphenol | 8.53 | 107 | 5274 | 2.76 | ng | # | 86 |
| 18) Hexachloroethane | 9.18 | 117 | 19683 | 23.10 | ng | # | 1 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 100354 | 36.58 | ng | | 90 |
| 22) Acetophenone | 8.90 | 105 | 11164 | 3.14 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 10.32 | 122 | 113862 | 48.79 | ng | # | 6 |
| 31) Naphthalene | 10.94 | 128 | 28799 | 3.50 | ng | # | 84 |
| 32) Benzoic acid | 10.32 | 122 | 120858 | 101.15 | ng | # | 83 |
| 35) Caprolactam | 11.89 | 113 | 5316 | 4.48 | ng | # | 4 |
| 37) 2-Methylnaphthalene | 12.54 | 142 | 185891 | 30.60 | ng | | 95 |
| 49) Dimethylphthalate | 14.15 | 163 | 109670 | 13.41 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 15.00 | 184 | 221 | 11.19 | ng | # | 1 |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 198 | 5.66 | ng | # | 1 |
| 69) Pentachlorophenol | 17.12 | 266 | 1017 | 7.76 | ng | # | 71 |

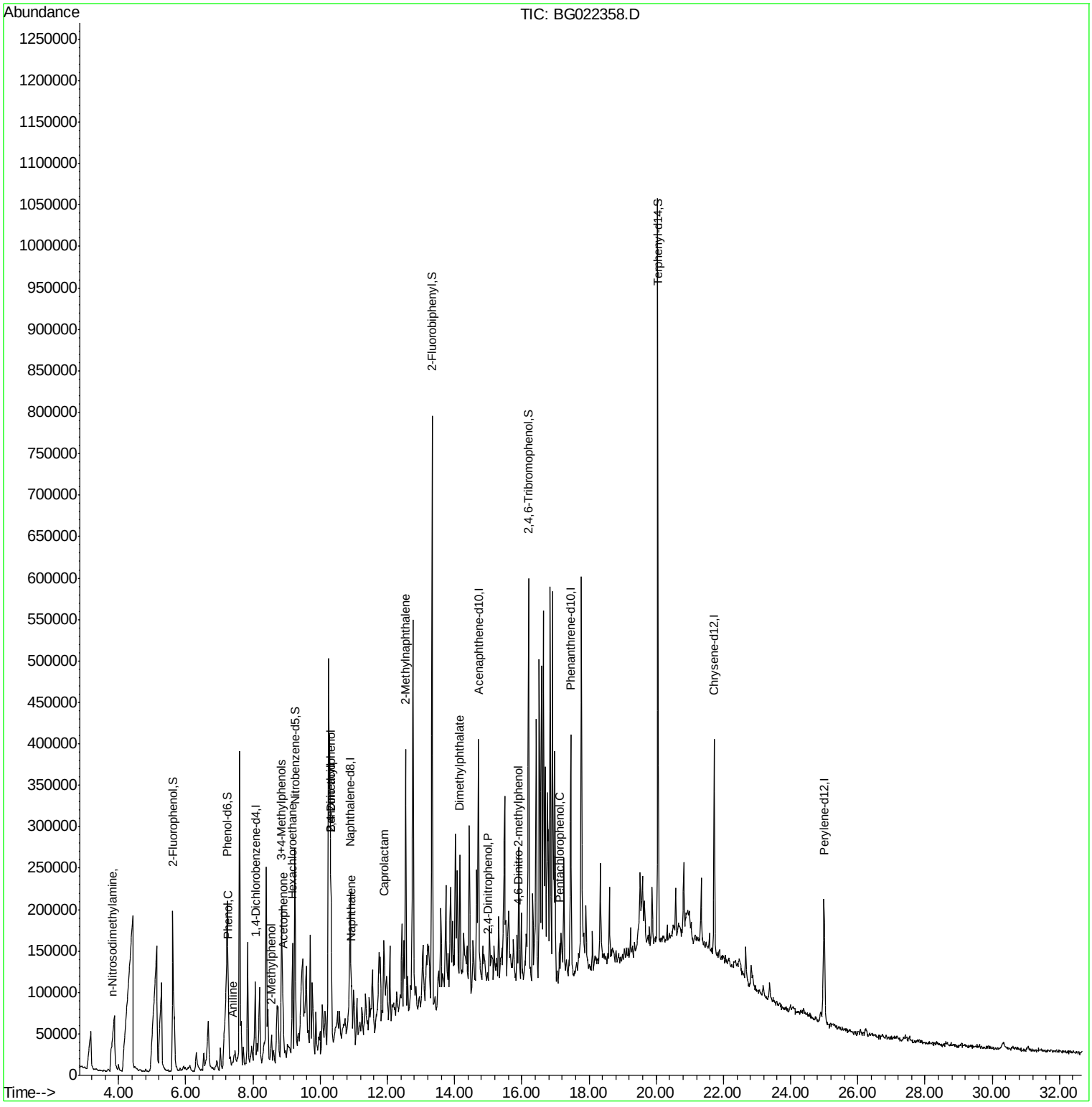
(#) = qualifier out of range (m) = manual integration (+) = signals summed

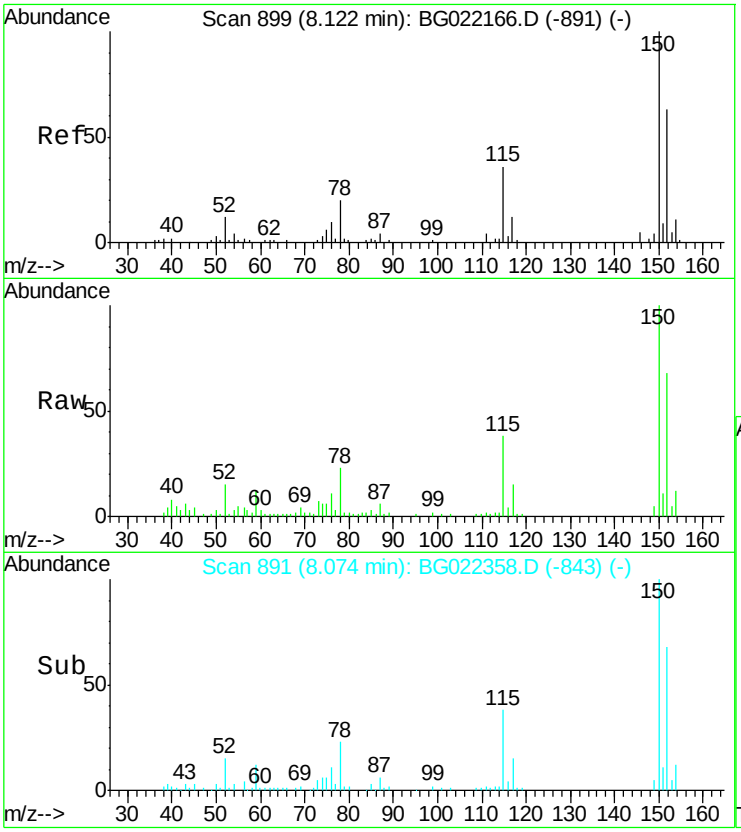
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061416\
Data File : BG022358.D
Acq On : 15 Jun 2016 7:23
Operator : UM/SJ
Sample : H3542-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Quant Time: Jun 15 08:07:04 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration



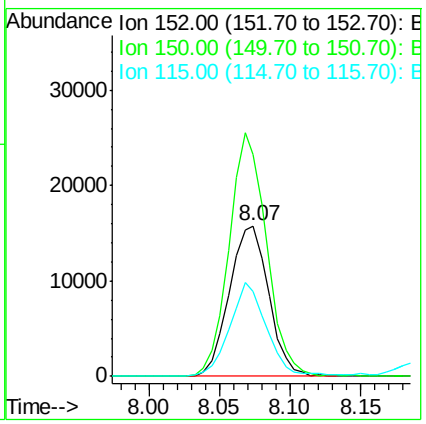


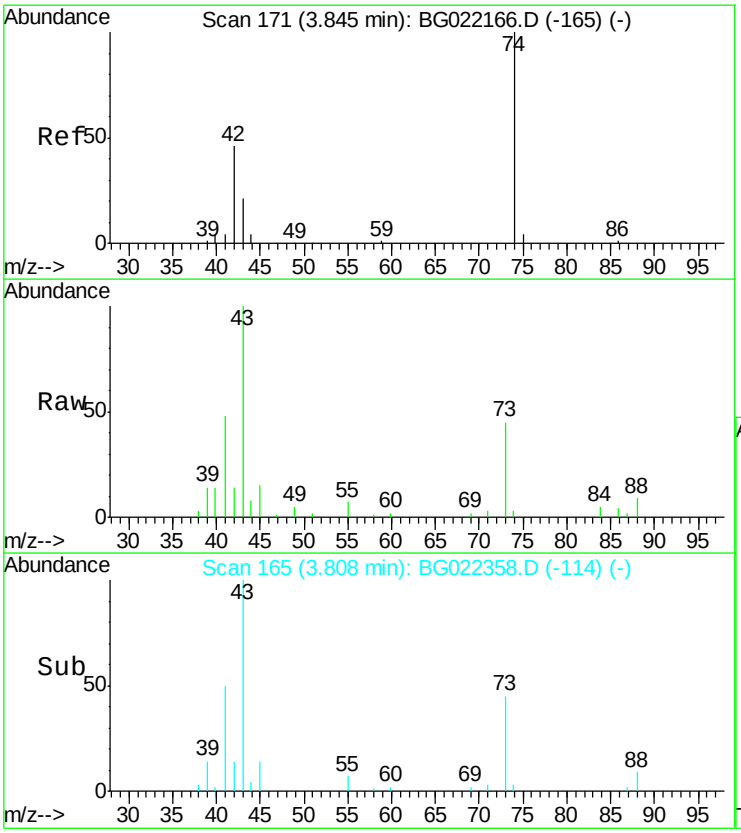

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 891
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:152 Resp: 30568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 147.0 | 130.1 | 195.1 |
| 115 | 56.0 | 62.2 | 93.2# |

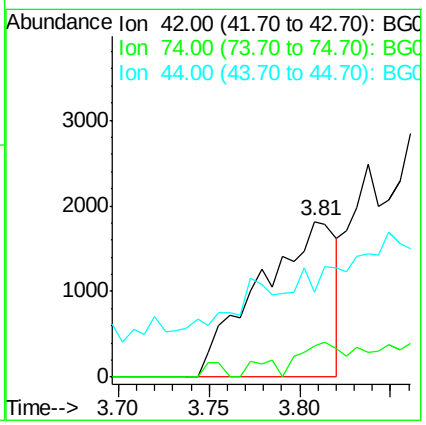


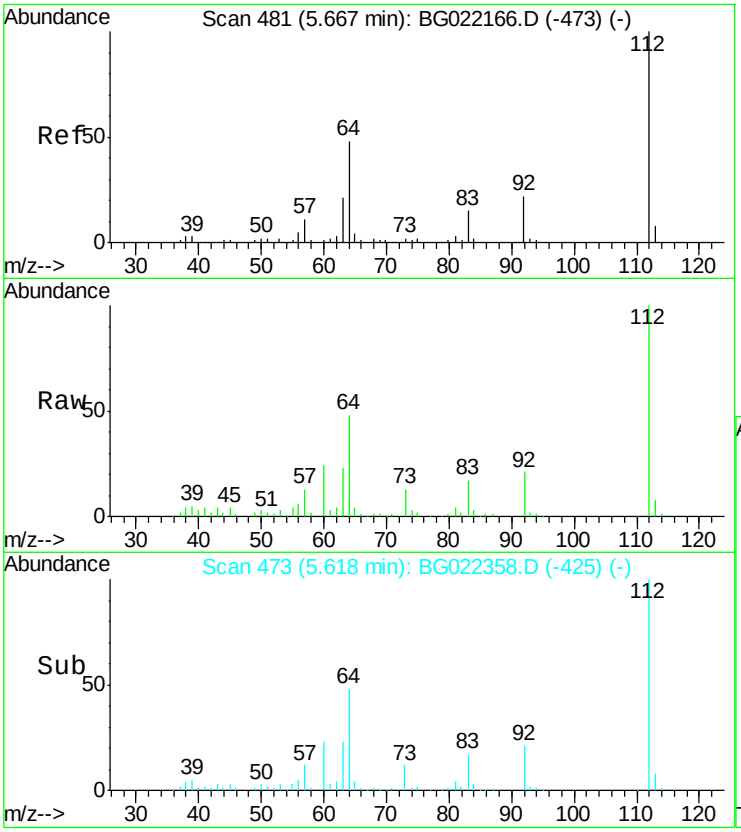




#4
n-Nitrosodimethylamine
Concen: 11.61 ng
RT: 3.81 min Scan# 165
Delta R.T. 0.00 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion: 42 Resp: 5316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 20.2 | 184.0 | 276.0# |
| 44 | 54.8 | 11.0 | 16.6# |



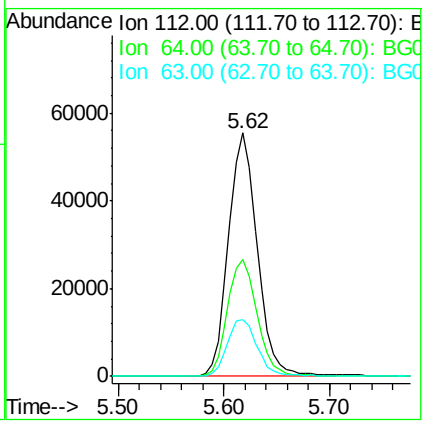


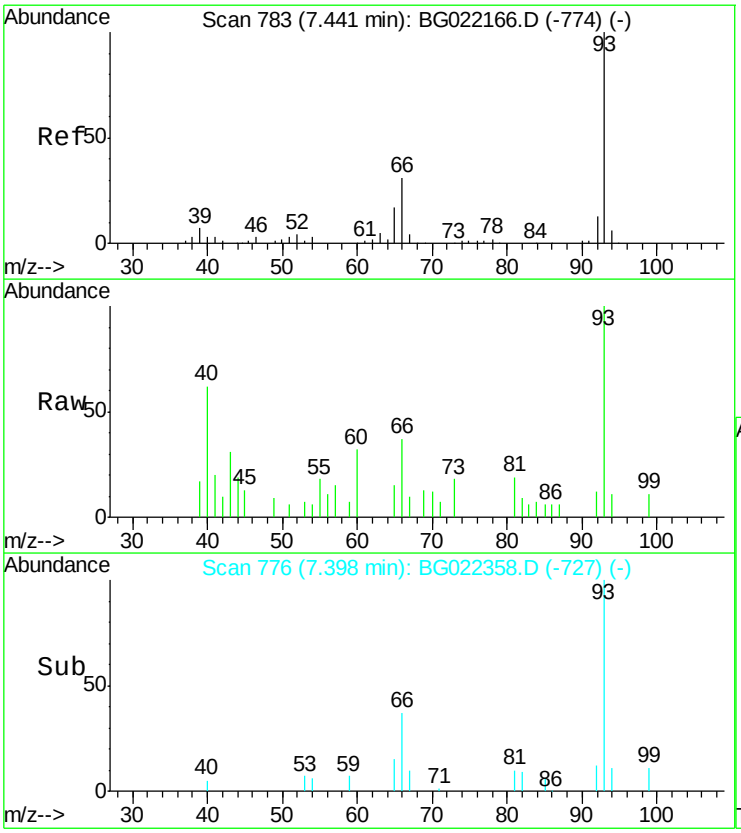

#5
2-Fluorophenol
Concen: 66.16 ng
RT: 5.62 min Scan# 473
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:112 Resp: 104605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.9 | 51.1 | 76.7# |
| 63 | 23.1 | 24.6 | 37.0# |

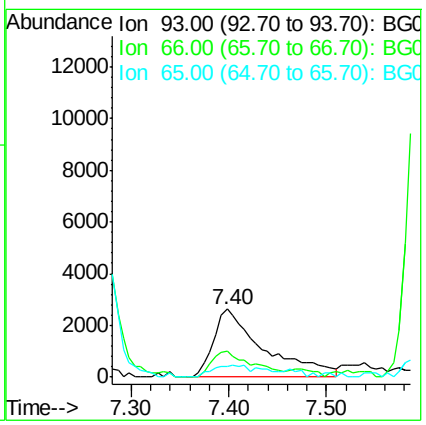


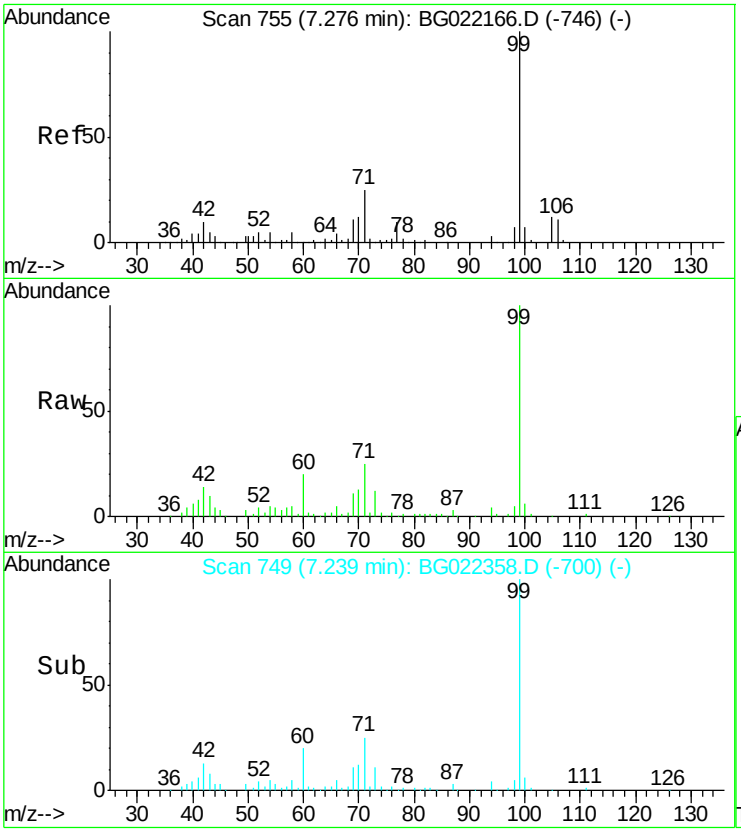




#6
Aniline
Concen: 2.96 ng
RT: 7.40 min Scan# 776
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion: 93 Resp: 9363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.5 | 36.3 | 54.5 |
| 65 | 14.8 | 18.4 | 27.6# |



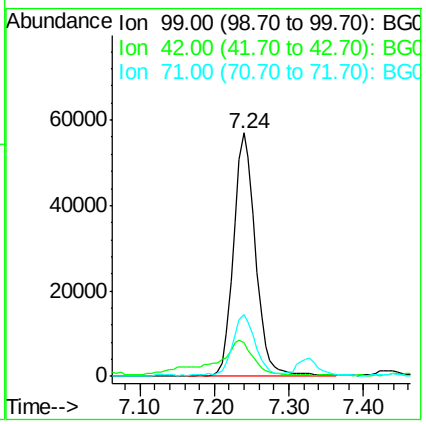


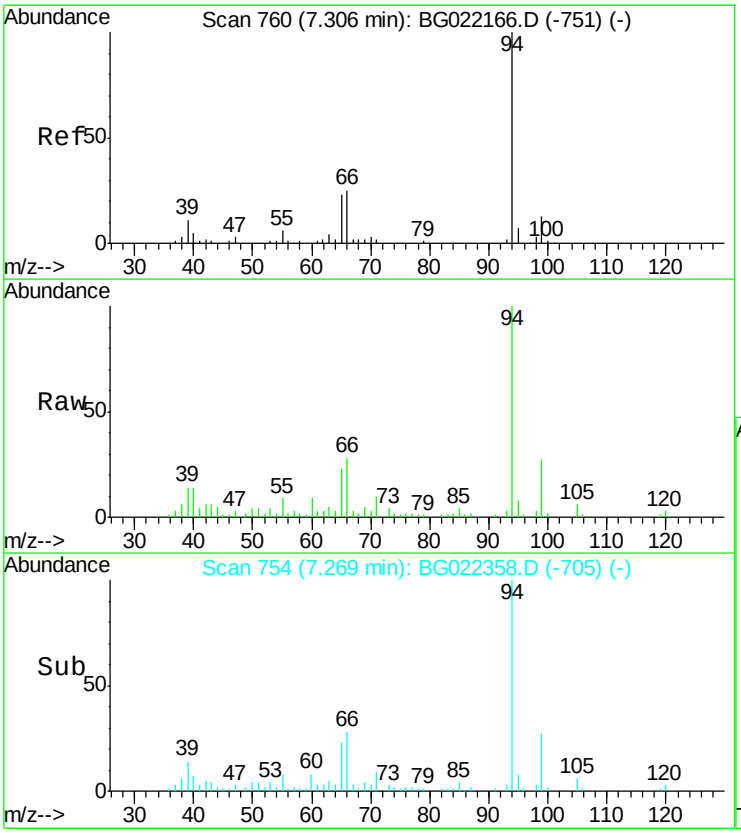

#7
Phenol-d6
Concen: 46.95 ng
RT: 7.24 min Scan# 749
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion: 99 Resp: 116701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.6 | 16.4 | 24.6# |
| 71 | 25.3 | 25.0 | 37.4 |

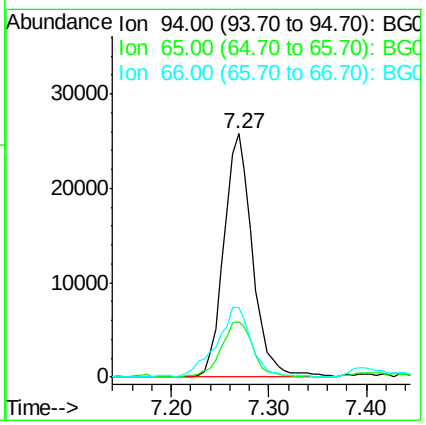


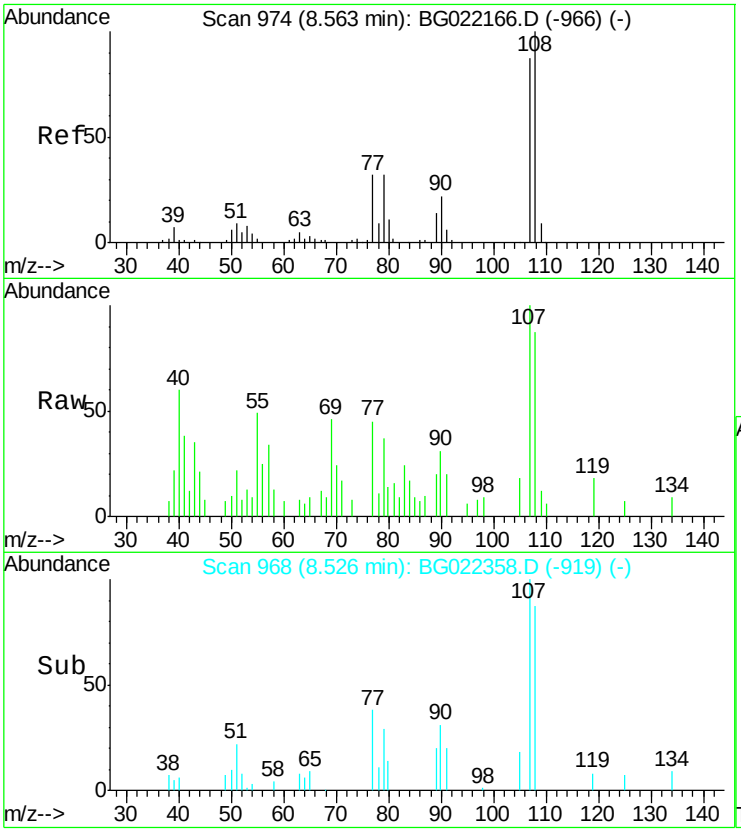




#10
Phenol
Concen: 20.40 ng
RT: 7.27 min Scan# 754
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion: 94 Resp: 52273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 22.6 | 9.8 | 49.8 |
| 66 | 28.4 | 20.8 | 60.8 |



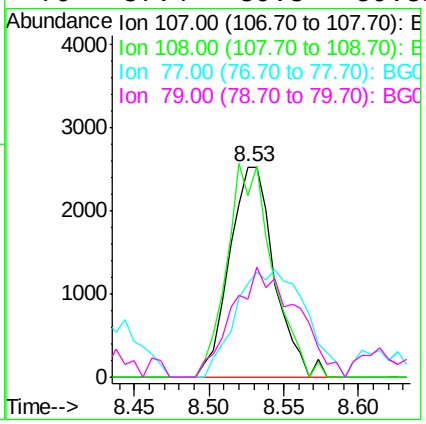


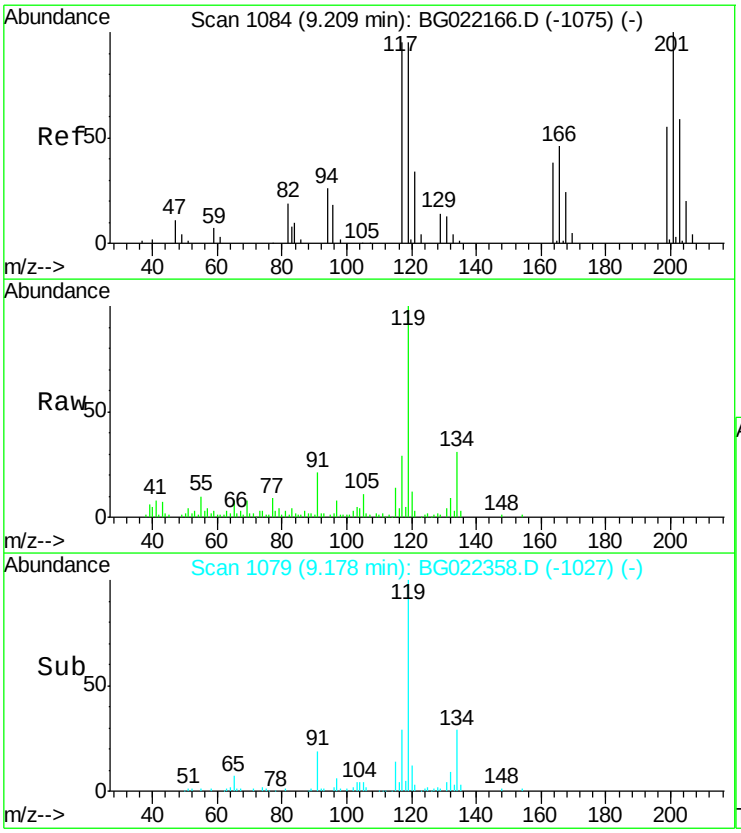

#17
2-Methylphenol
Concen: 2.76 ng
RT: 8.53 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:107 Resp: 5274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.5 | 80.2 | 120.4 |
| 77 | 44.5 | 40.7 | 61.1 |
| 79 | 37.4 | 39.8 | 59.8# |

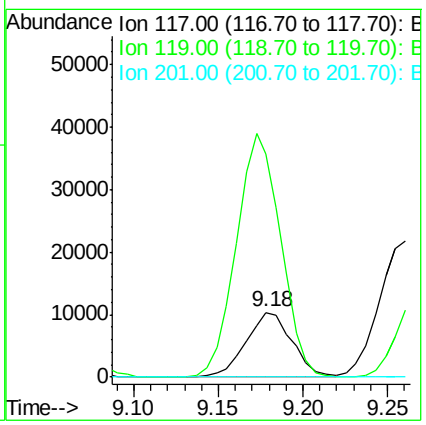


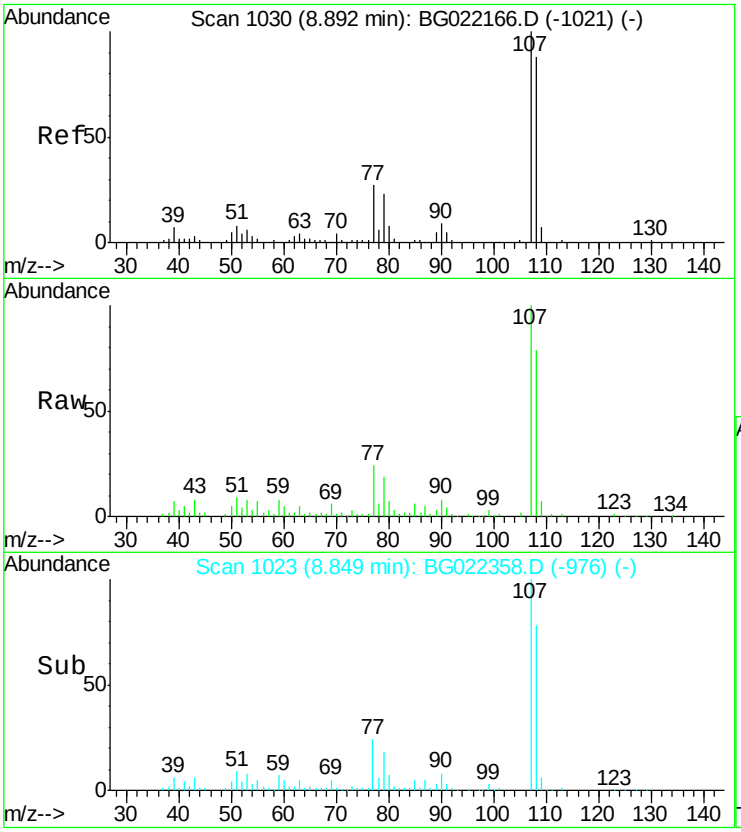




#18
Hexachloroethane
Concen: 23.10 ng
RT: 9.18 min Scan# 1079
Delta R.T. 0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:117 Resp: 19683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 345.4 | 63.9 | 95.9# |
| 201 | 0.0 | 61.2 | 91.8# |



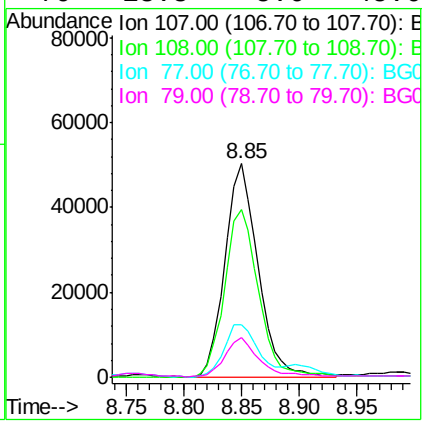


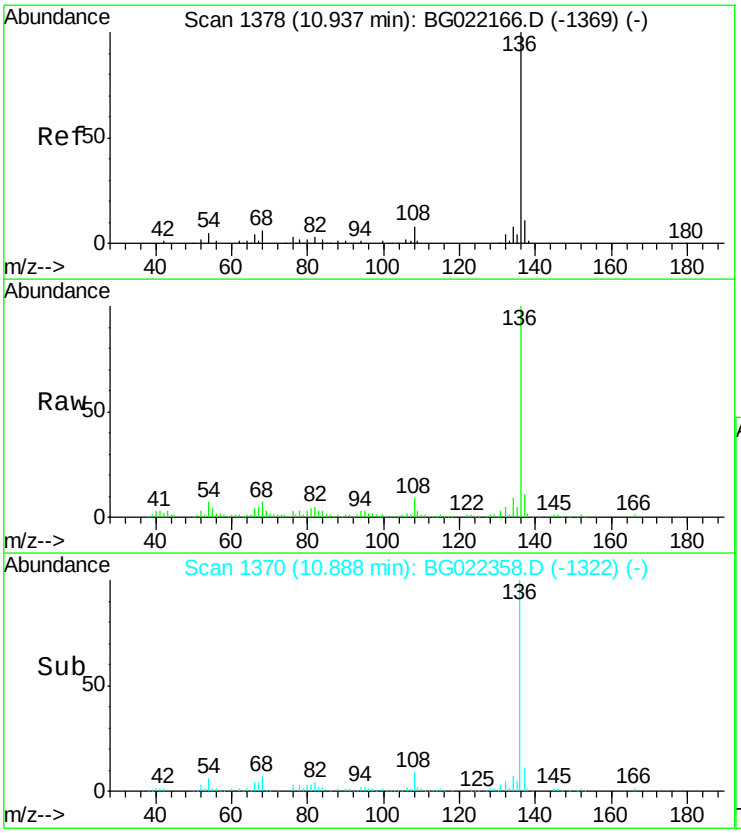

#20
3+4-Methylphenols
Concen: 36.58 ng
RT: 8.85 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:107 Resp: 100354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 78.5 | 66.2 | 106.2 |
| 77 | 24.4 | 11.5 | 51.5 |
| 79 | 18.8 | 5.6 | 45.6 |

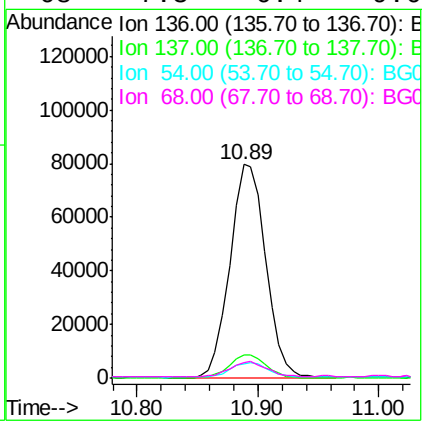


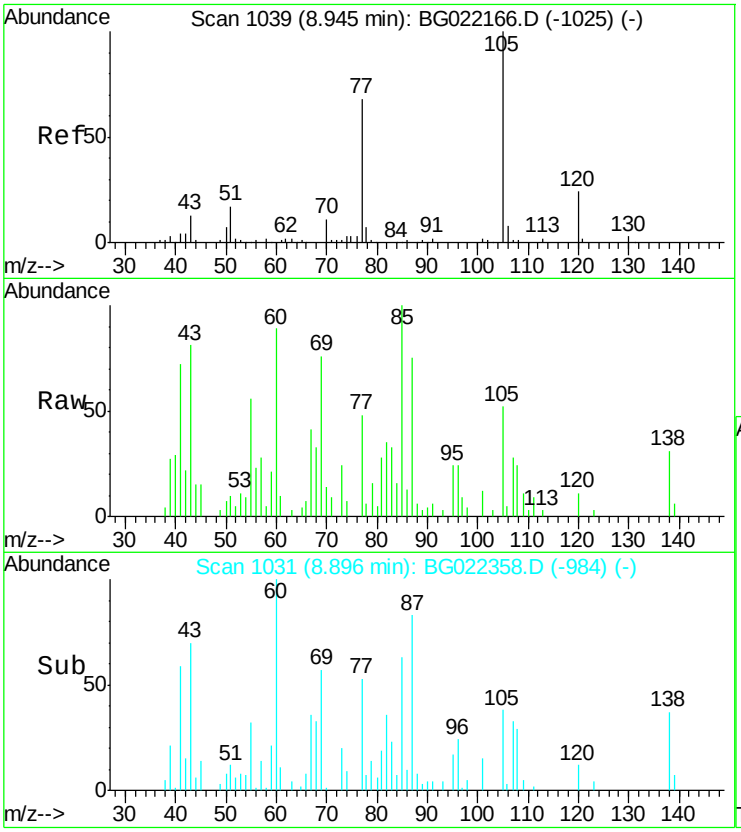




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:136 Resp: 164846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.6 | 9.6 | 14.4# |
| 68 | 7.3 | 6.4 | 9.6 |



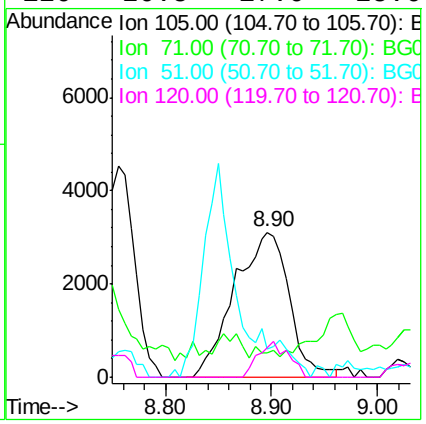


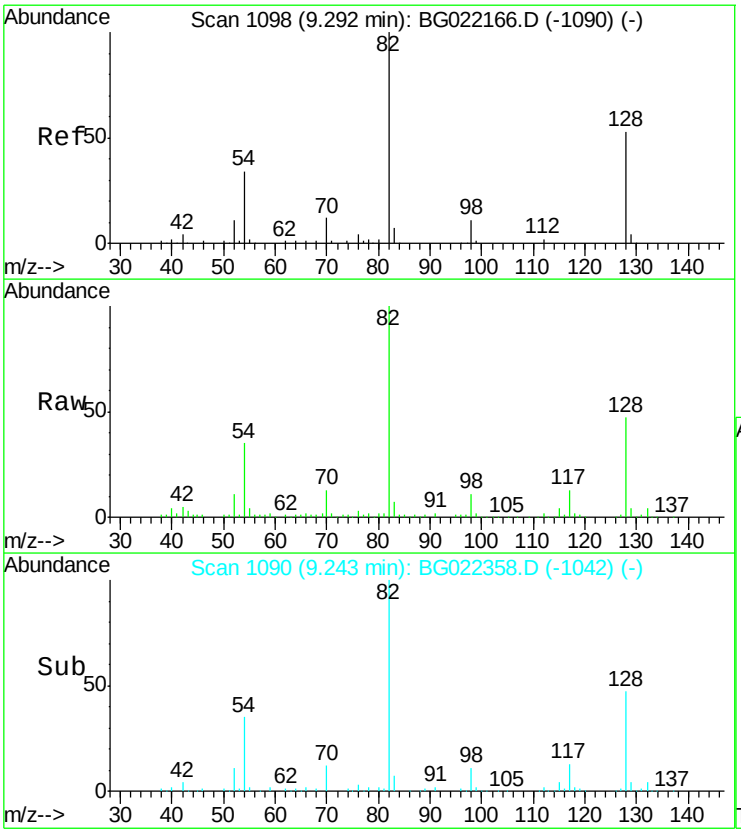

#22
Acetophenone
Concen: 3.14 ng
RT: 8.90 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:105 Resp: 11164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 17.2 | 0.0 | 0.0# |
| 51 | 19.5 | 25.7 | 38.5# |
| 120 | 20.5 | 17.0 | 25.6 |

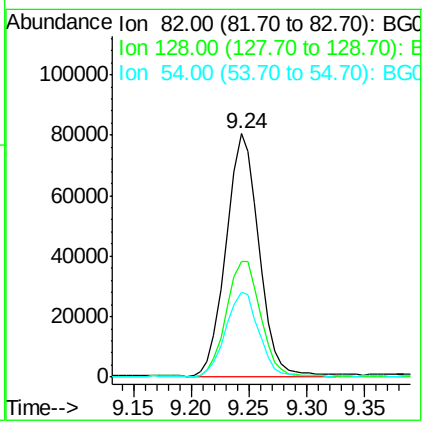


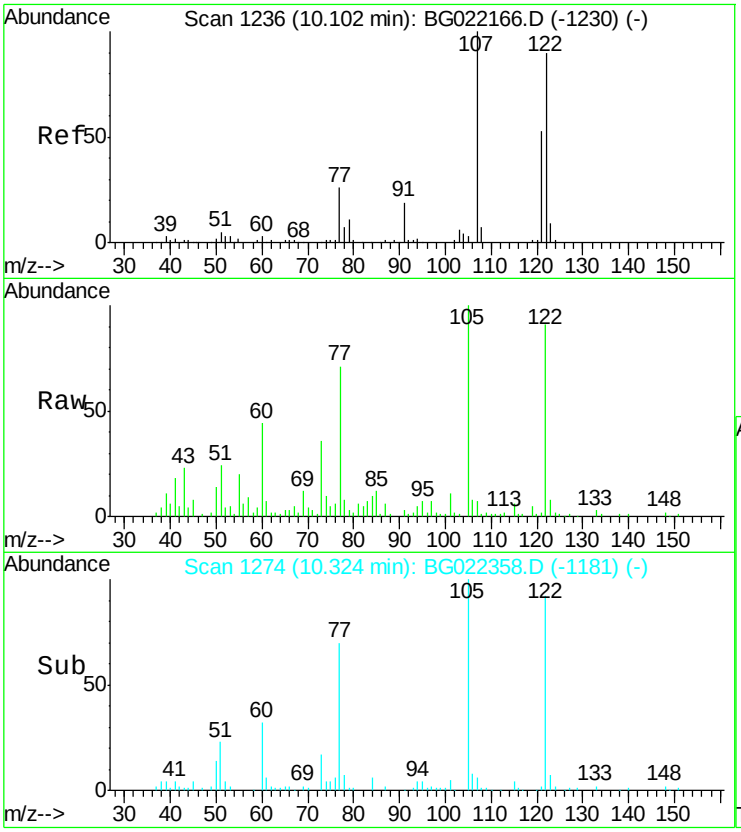




#23
Nitrobenzene-d5
Concen: 66.80 ng
RT: 9.24 min Scan# 1090
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion: 82 Resp: 157953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 33.4 | 50.0 |
| 54 | 34.9 | 46.1 | 69.1# |



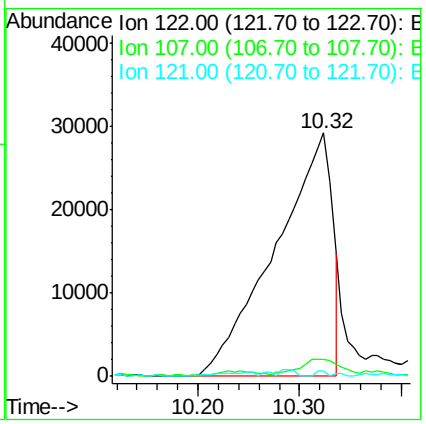


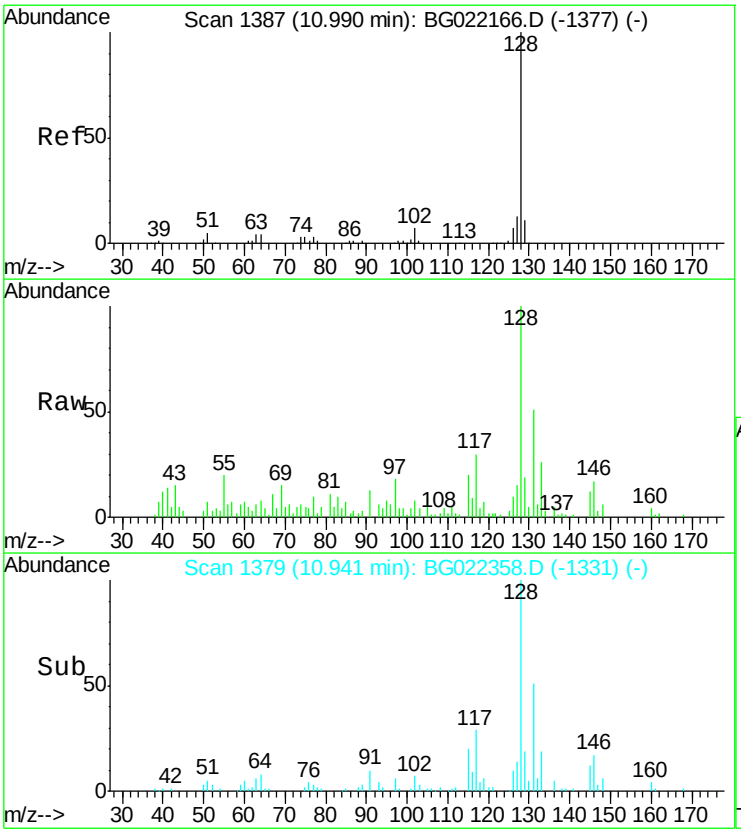

#27
2,4-Dimethylphenol
Concen: 48.79 ng
RT: 10.32 min Scan# 1274
Delta R.T. 0.25 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:122 Resp: 113862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 7.2 | 97.2 | 145.8# |
| 121 | 2.4 | 49.0 | 73.4# |

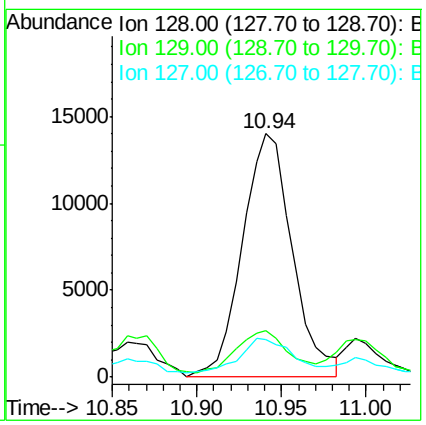


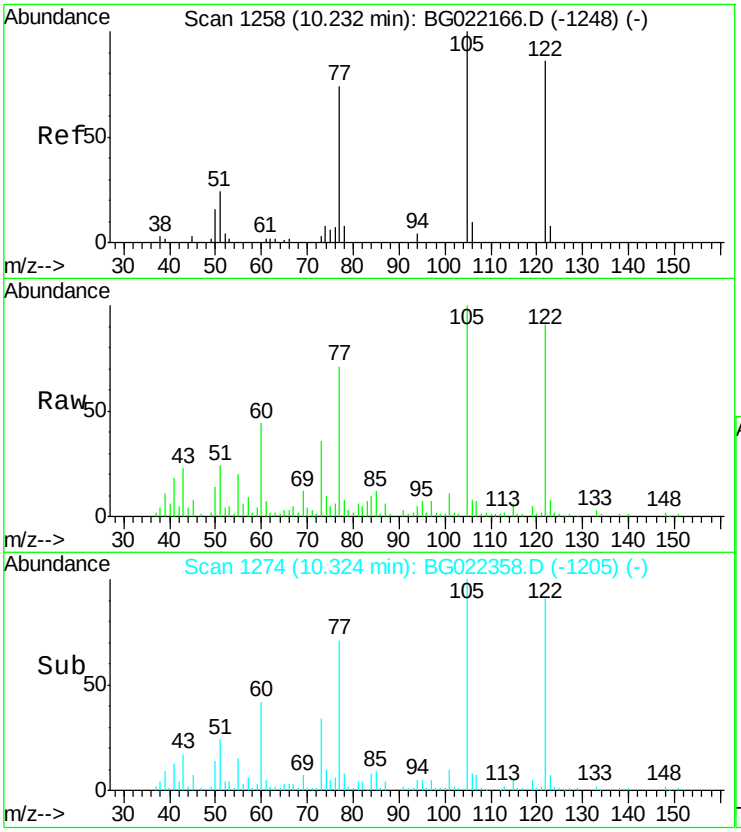




#31
Naphthalene
Concen: 3.50 ng
RT: 10.94 min Scan# 1379
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:128 Resp: 28799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 19.0 | 7.0 | 10.6# |
| 127 | 15.4 | 10.1 | 15.1# |



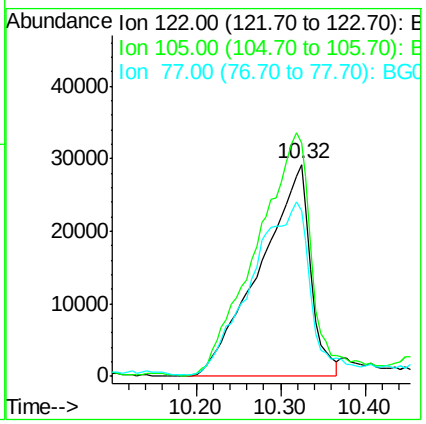


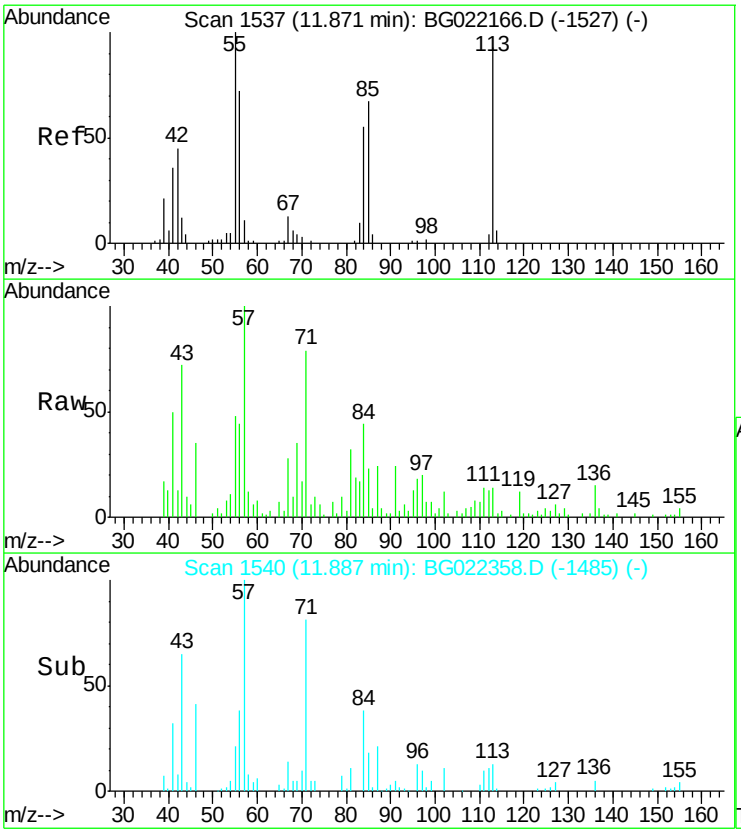

#32
Benzoic acid
Concen:  101.15 ng
RT: 10.32 min  Scan# 1274
Delta R.T.  0.11 min
Lab File:  BG022358.D
Acq: 15 Jun 2016  7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:122 Resp:  120858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 109.8 | 104.5 | 144.5 |
| 77 | 78.1 | 79.9 | 119.9# |

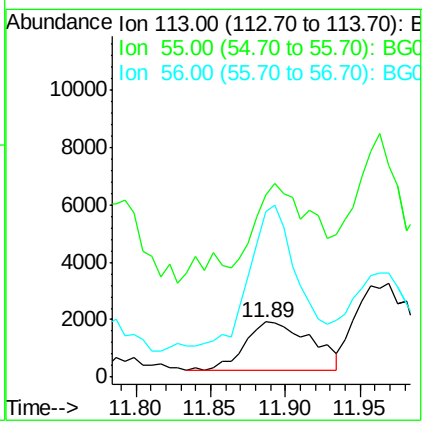


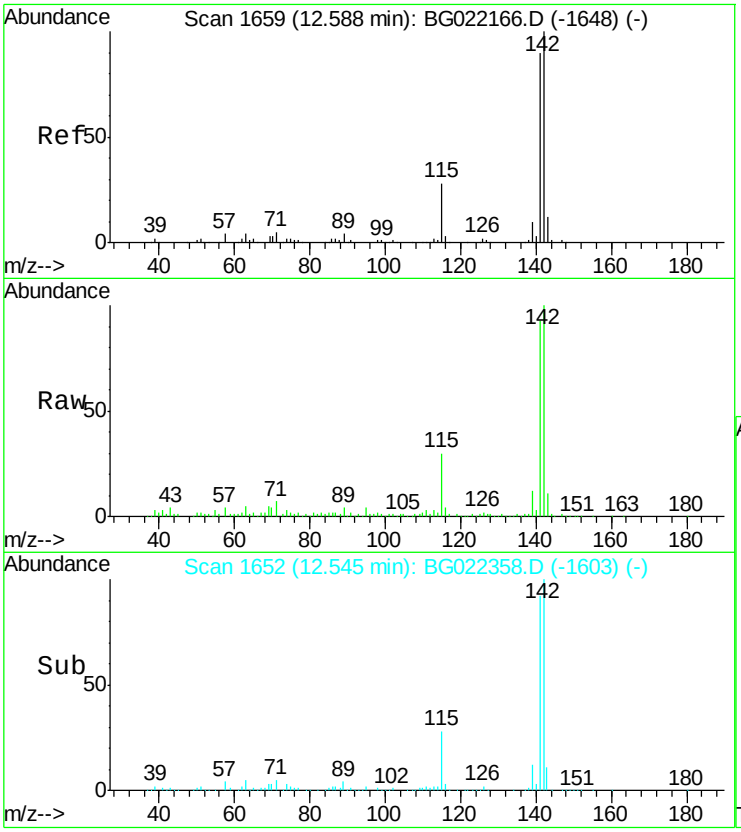




#35
Caprolactam
Concen:  4.48 ng
RT: 11.89 min  Scan# 1540
Delta R.T.  0.02 min
Lab File:  BG022358.D
Acq: 15 Jun 2016  7:23

Tgt Ion:113 Resp:  5316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 331.2 | 194.2 | 234.2# |
| 56 | 302.5 | 122.6 | 162.6# |



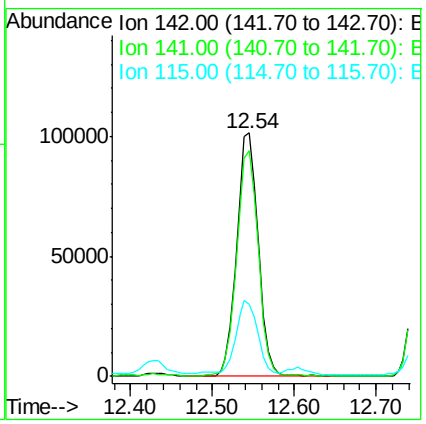


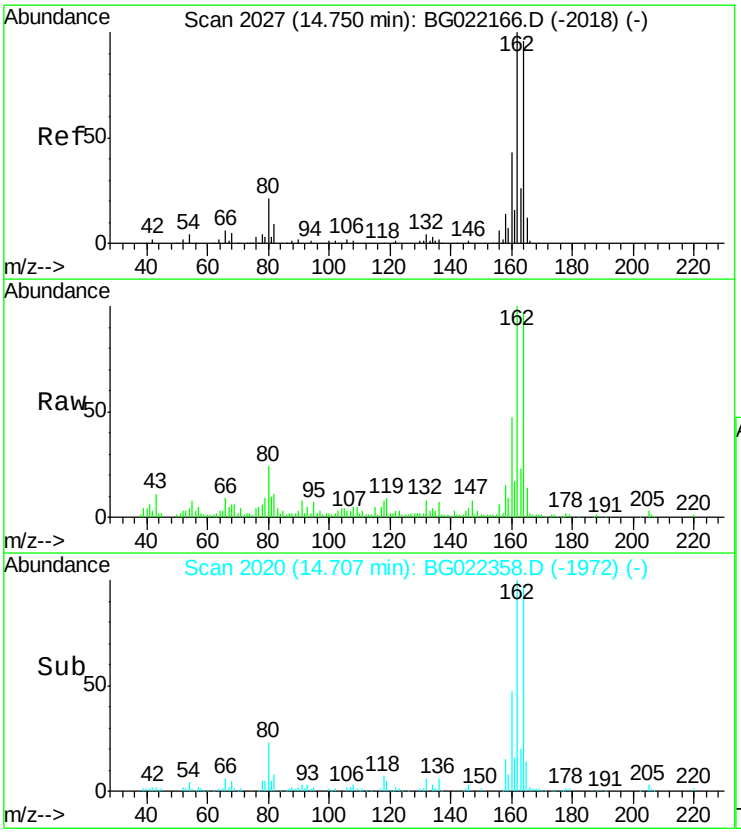

#37
2-Methylnaphthalene
Concen: 30.60 ng
RT: 12.54 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:142 Resp: 185891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.8 | 71.4 | 107.0 |
| 115 | 29.6 | 27.4 | 41.2 |

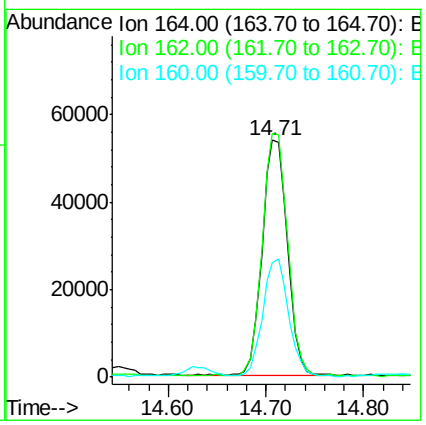


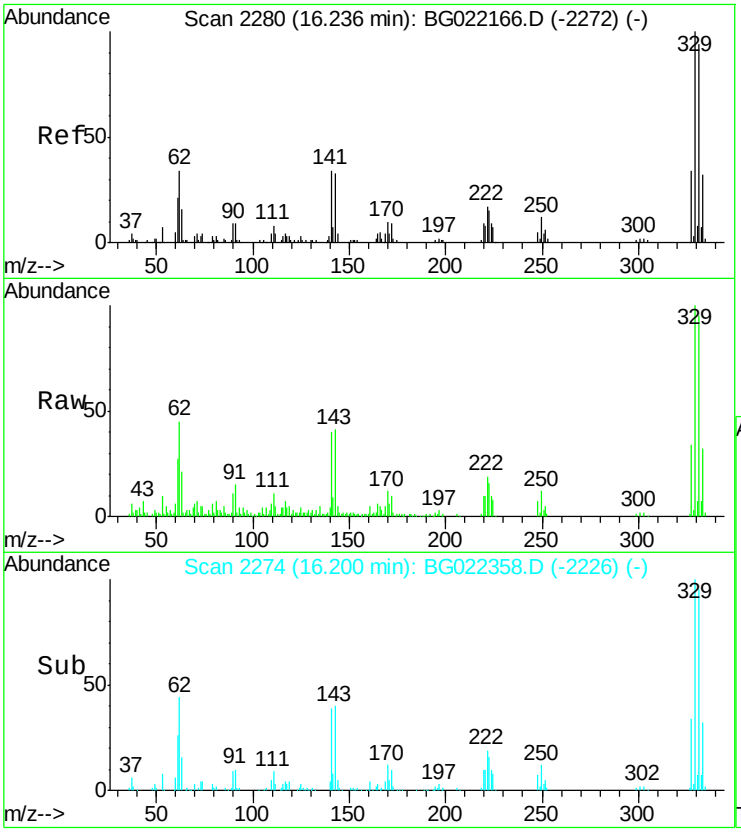




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:164 Resp: 98637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 78.0 | 117.0 |
| 160 | 48.2 | 32.9 | 49.3 |



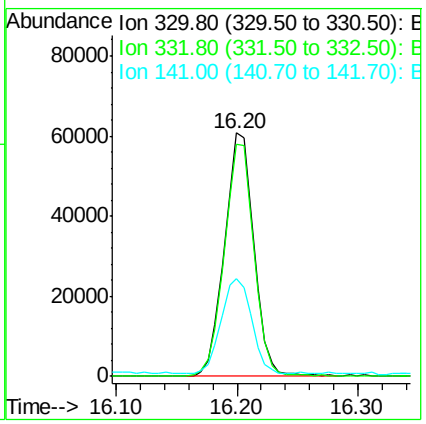


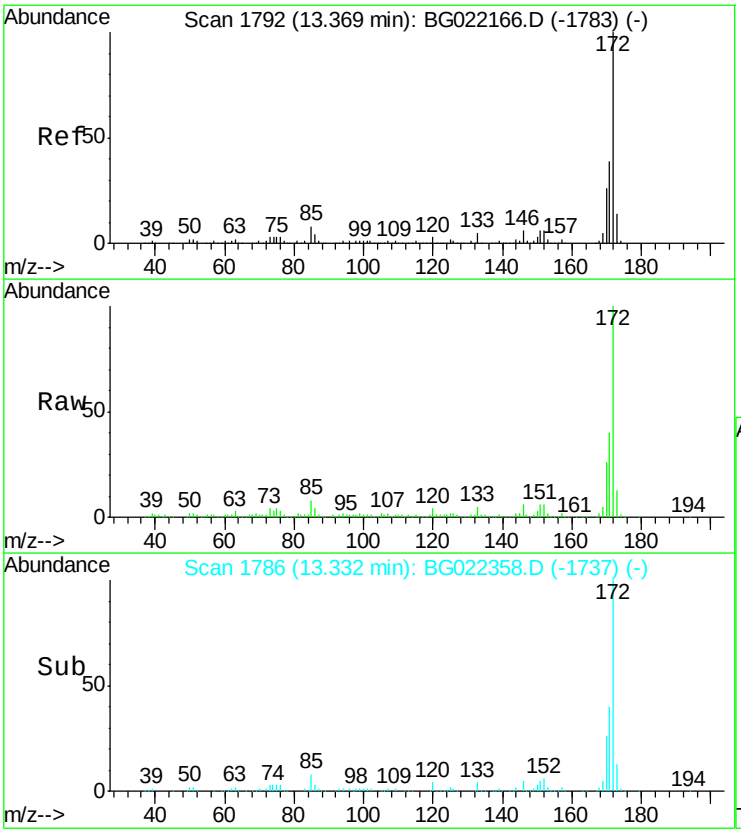

#41
2,4,6-Tribromophenol
Concen: 92.40 ng
RT: 16.20 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:330 Resp: 102980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 78.0 | 117.0 |
| 141 | 40.4 | 33.8 | 50.8 |

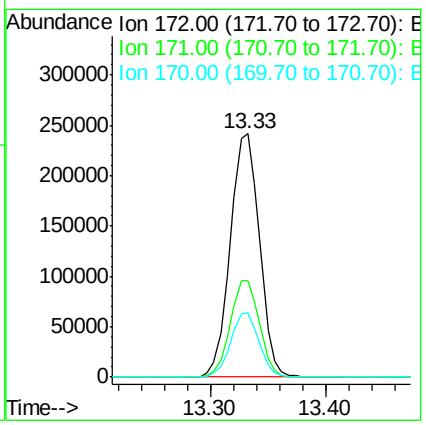


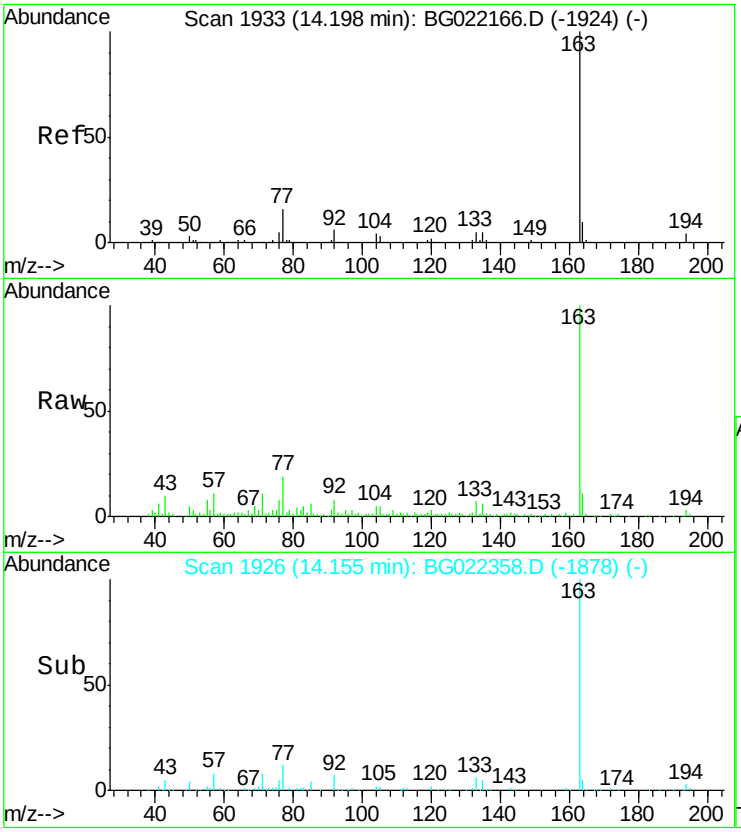




#44
2-Fluorobiphenyl
Concen: 65.09 ng
RT: 13.33 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:172 Resp: 421319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.6 | 27.8 | 41.6 |
| 170 | 26.4 | 19.6 | 29.4 |



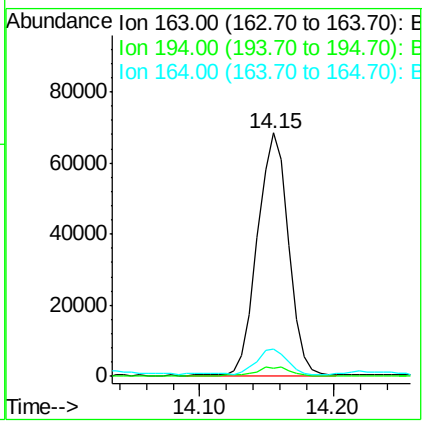


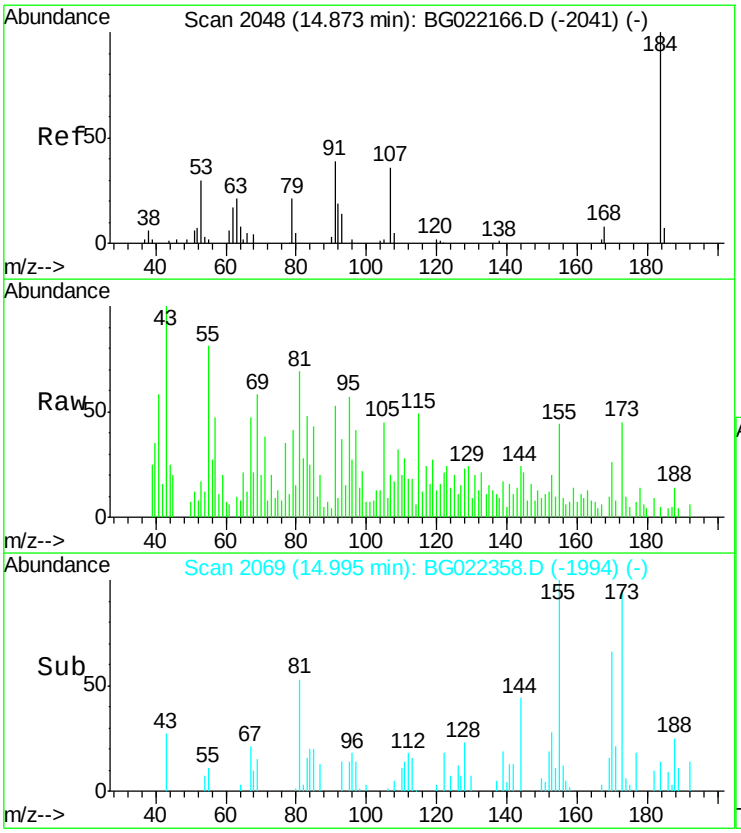

#49
Dimethylphthalate
Concen: 13.41 ng
RT: 14.15 min Scan# 1926
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:163 Resp: 109670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 3.0 | 4.6 |
| 164 | 11.4 | 8.1 | 12.1 |

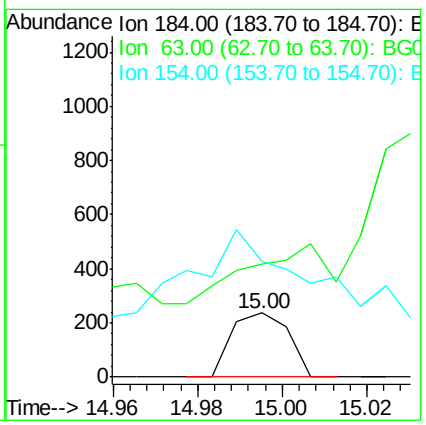


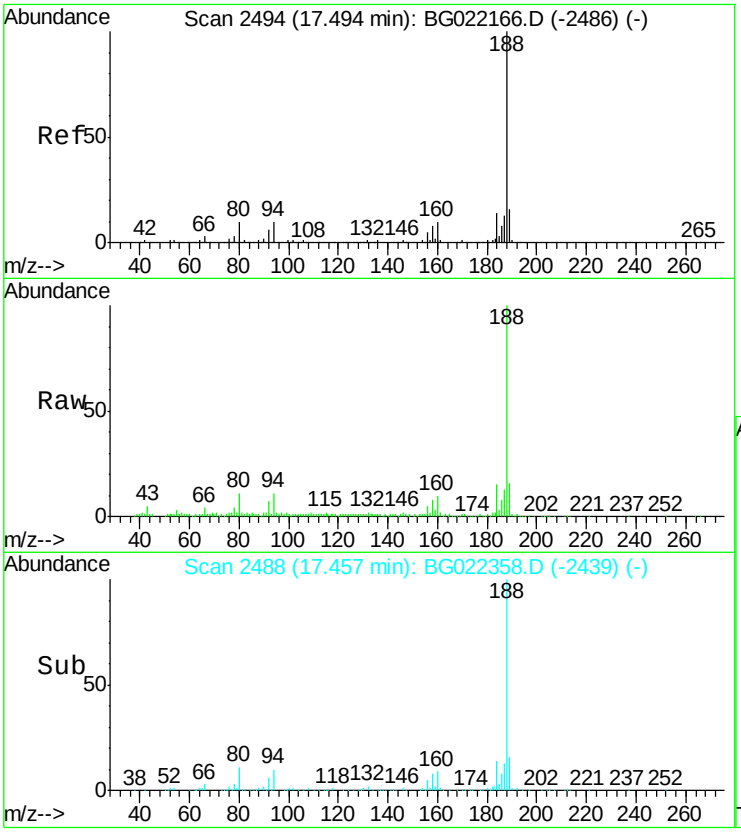




#53
2,4-Dinitrophenol
Concen: 11.19 ng
RT: 15.00 min Scan# 2069
Delta R.T. 0.14 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:184 Resp: 221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 177.5 | 57.3 | 85.9# |
| 154 | 180.9 | 55.2 | 82.8# |



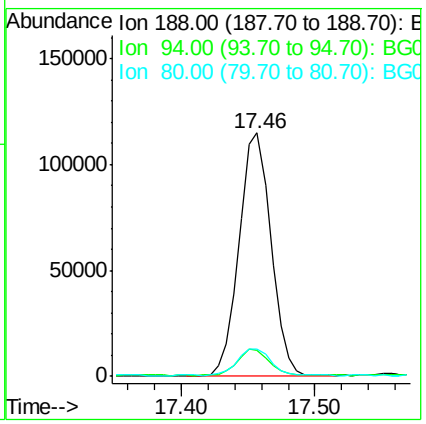


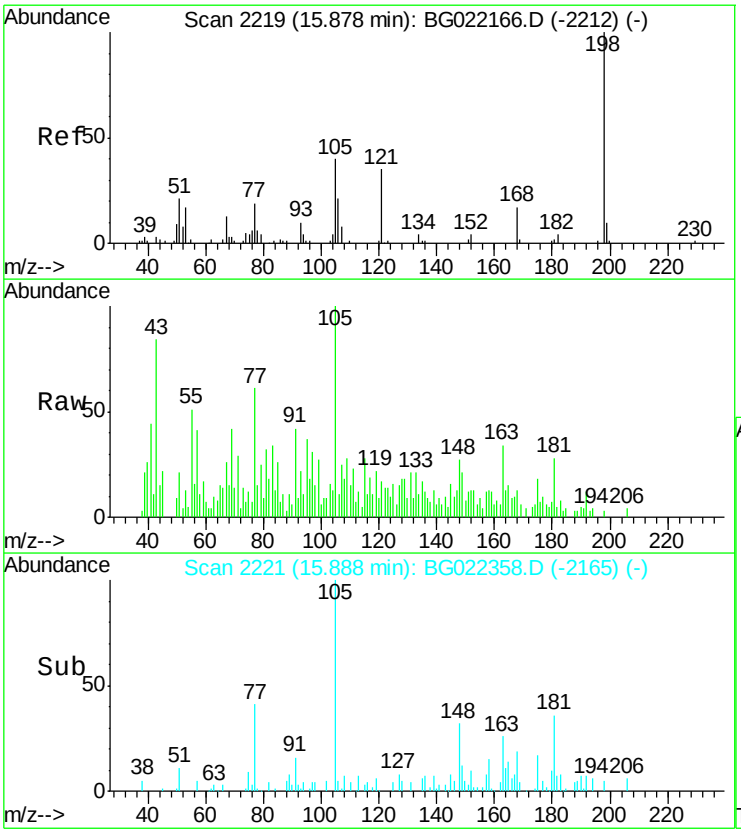

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.46 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:188 Resp: 190600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.8 | 7.5 | 11.3 |
| 80 | 11.1 | 8.6 | 13.0 |

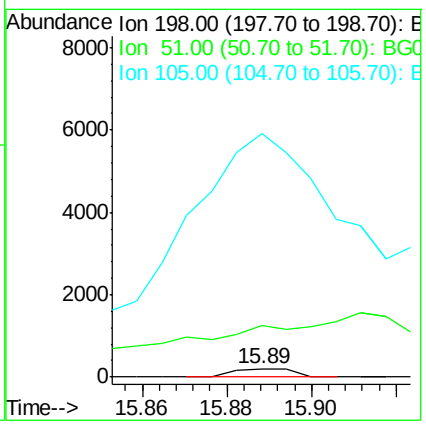


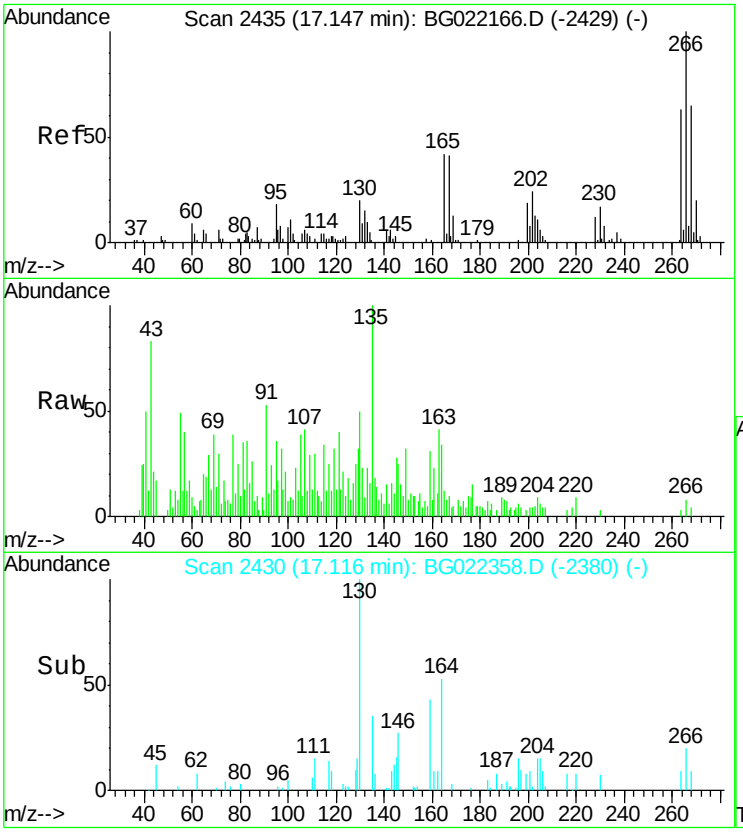




#64
4,6-Dinitro-2-methylphenol
Concen: 5.66 ng
RT: 15.89 min Scan# 2221
Delta R.T. 0.03 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:198 Resp: 198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 602.4 | 29.2 | 69.2# |
| 105 | 2869.9 | 24.0 | 64.0# |



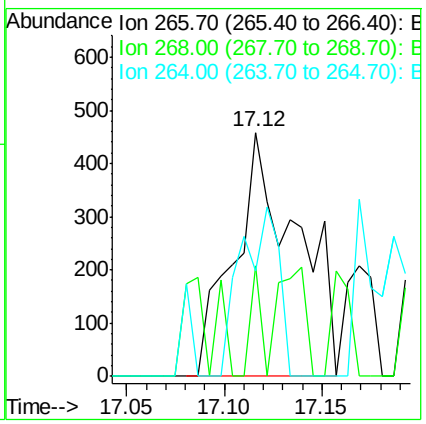


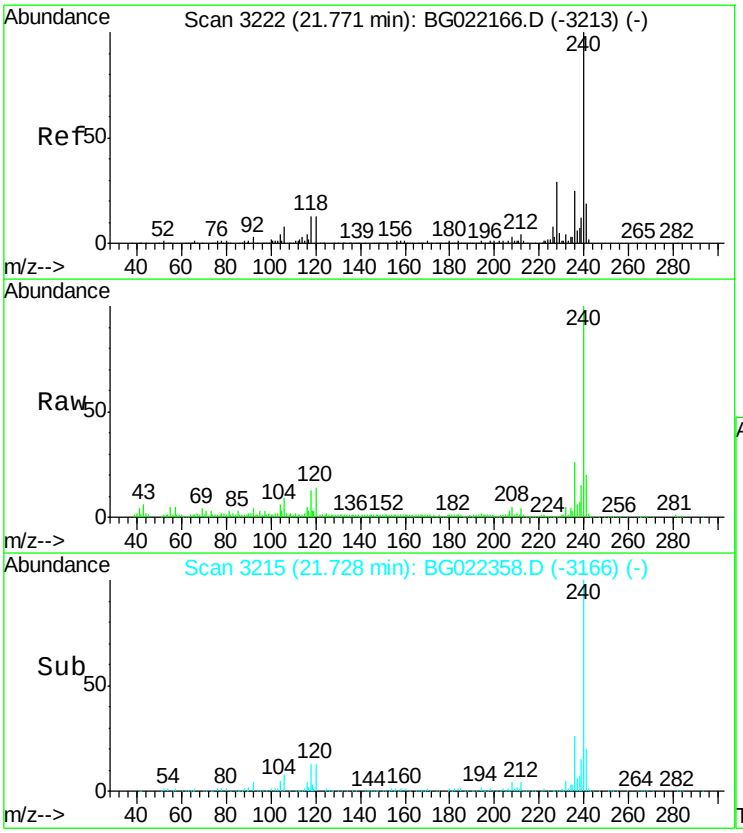

#69
Pentachlorophenol
Concen: 7.76 ng
RT: 17.12 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:266 Resp: 1017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 45.2 | 54.5 | 81.7# |
| 264 | 43.2 | 53.8 | 80.6# |

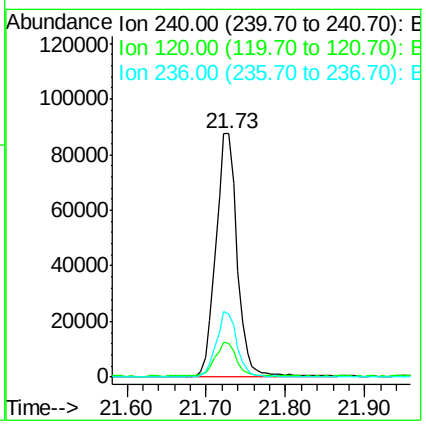


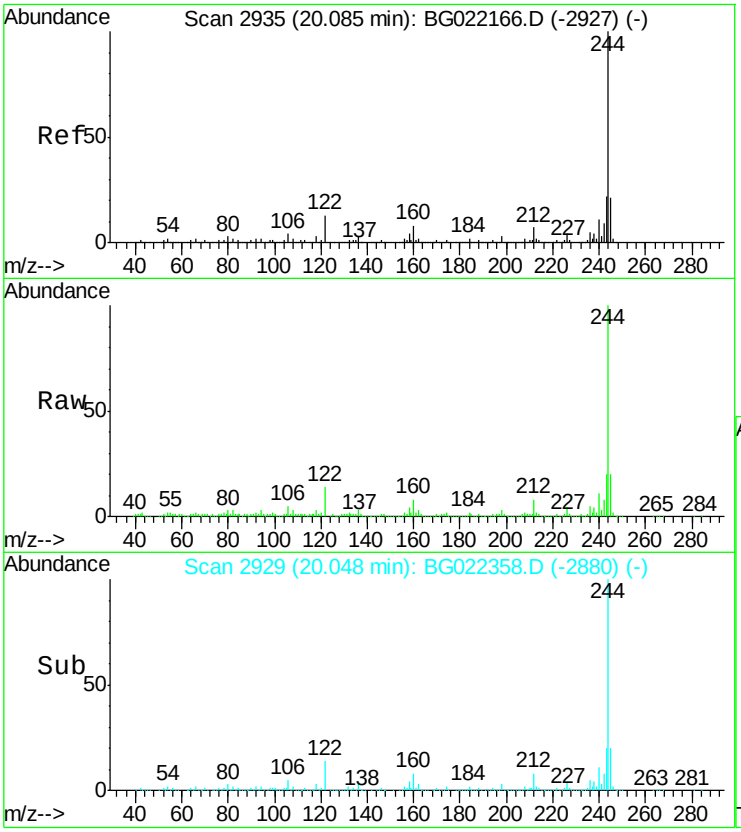




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.73 min Scan# 3215
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:240 Resp: 165062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.9 | 8.4 | 12.6# |
| 236 | 25.8 | 19.6 | 29.4 |



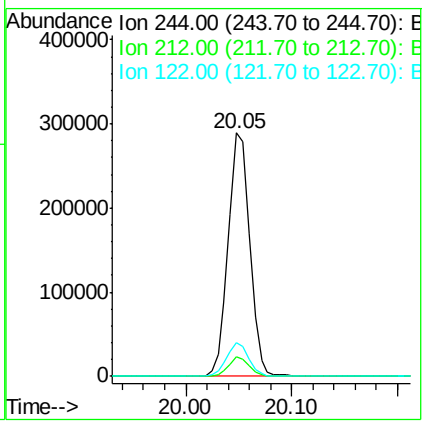


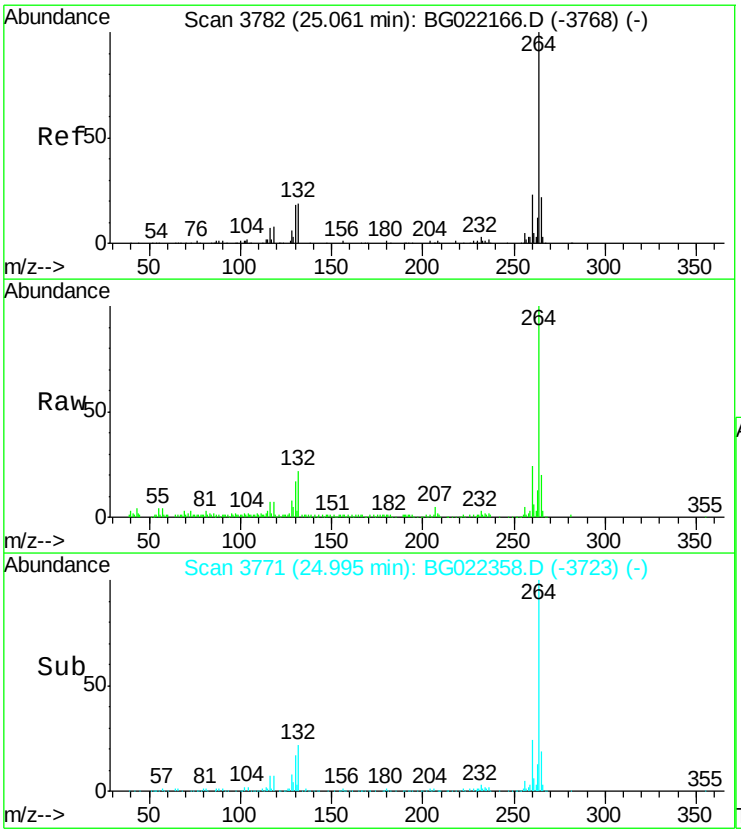

#78
Terphenyl-d14
Concen: 58.70 ng
RT: 20.05 min Scan# 2929
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

**Instrument :**
BNA_G
**ClientSampleId :**
MW-11

Tgt Ion:244 Resp: 408131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 6.5 | 9.7 |
| 122 | 13.8 | 8.6 | 12.8# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.00 min Scan# 3771
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:264 Resp: 155857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 20.2 | 30.4 |
| 265 | 19.6 | 17.8 | 26.8 |