Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021165.D
Acq On : 29 Feb 2016 21:32
Operator : UM/SJ
Sample : H1603-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-39(6-8)

Quant Time: Feb 29 23:59:17 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 7918 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.96 | 136 | 38804 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.75 | 164 | 26787 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 70668 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.75 | 240 | 70590 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 25.03 | 264 | 64647 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 61678 | 123.84 | ng | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 99917 | 122.00 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 70220 | 76.57 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 34644 | 124.31 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 131971 | 69.96 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.08 | 244 | 218827 | 75.10 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Aniline | 7.69 | 93 | 56 | 0.05 | ng | # 1 |
| 9) Benzaldehyde | 7.29 | 77 | 54 | 0.11 | ng | # 2 |
| 10) Phenol | 7.32 | 94 | 511 | 0.59 | ng | # 41 |
| 11) bis(2-Chloroethyl)ether | 7.69 | 93 | 56 | 0.08 | ng | # 1 |
| 15) Benzyl Alcohol | 8.47 | 79 | 1010 | 1.35 | ng | # 54 |
| 24) Nitrobenzene | 9.31 | 77 | 59 | 0.06 | ng | # 40 |
| 45) 1,1'-Biphenyl | 13.39 | 154 | 63 | 0.03 | ng | # 1 |
| 49) Dimethylphthalate | 14.20 | 163 | 23799 | 9.97 | ng | # 95 |
| 50) 2,6-Dinitrotoluene | 14.20 | 165 | 111 | 0.22 | ng | # 1 |
| 51) Acenaphthene | 14.75 | 154 | 53 | 0.03 | ng | # 3 |
| 62) Azobenzene | 16.24 | 77 | 245 | 0.09 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 16.24 | 169 | 1895 | 0.87 | ng | # 34 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 392 | 0.08 | ng | # 78 |
| 74) Fluoranthene | 19.53 | 202 | 752 | 0.17 | ng | 63 |
| 77) Pyrene | 19.89 | 202 | 669 | 0.16 | ng | # 58 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 613 | 0.15 | ng | # 51 |
| 82) Chrysene | 21.80 | 228 | 381 | 0.10 | ng | # 49 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 1324 | 0.42 | ng | # 86 |
| 87) Benzo(b)fluoranthene | 24.00 | 252 | 53 | 0.01 | ng | # 61 |
| 88) Benzo(k)fluoranthene | 24.00 | 252 | 53 | 0.01 | ng | # 61 |
| 89) Benzo(a)pyrene | 24.85 | 252 | 64 | 0.02 | ng | # 62 |

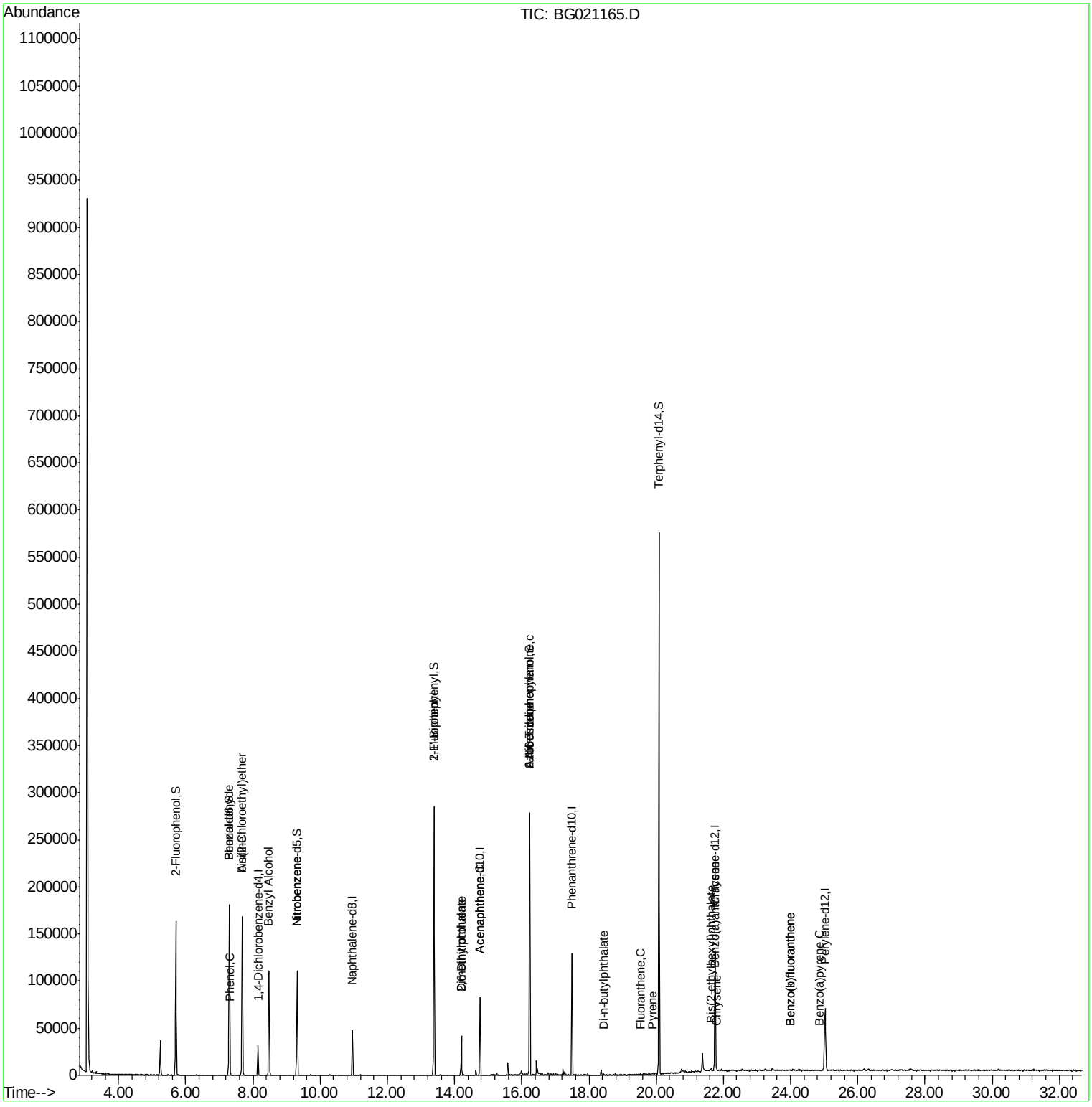
(#) = qualifier out of range (m) = manual integration (+) = signals summed

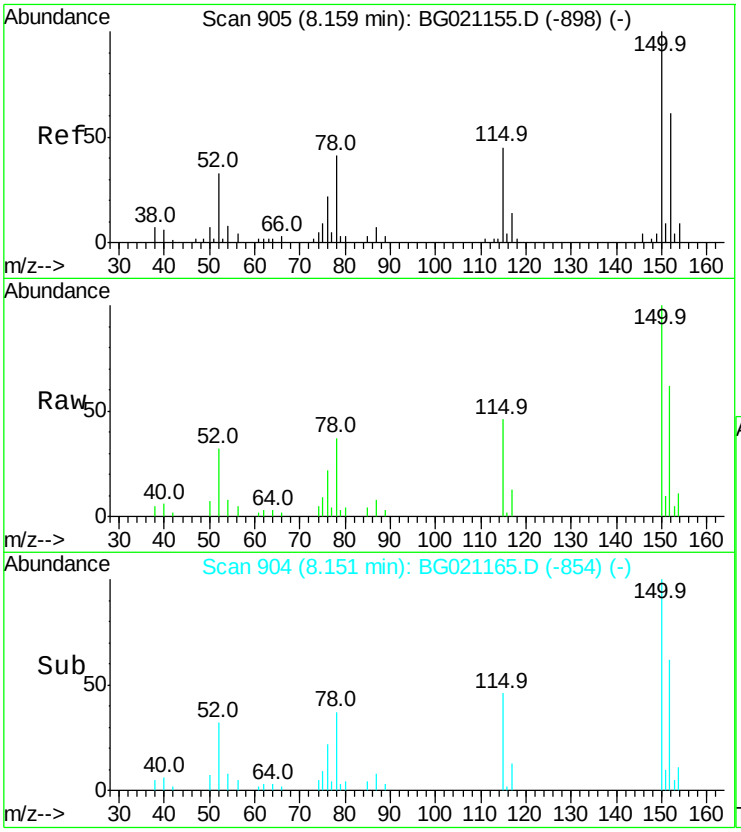
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021165.D
Acq On : 29 Feb 2016 21:32
Operator : UM/SJ
Sample : H1603-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Quant Time: Feb 29 23:59:17 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration



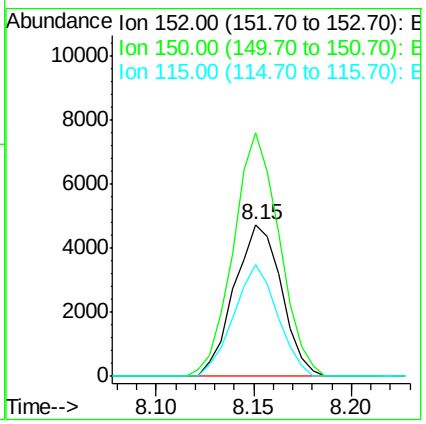


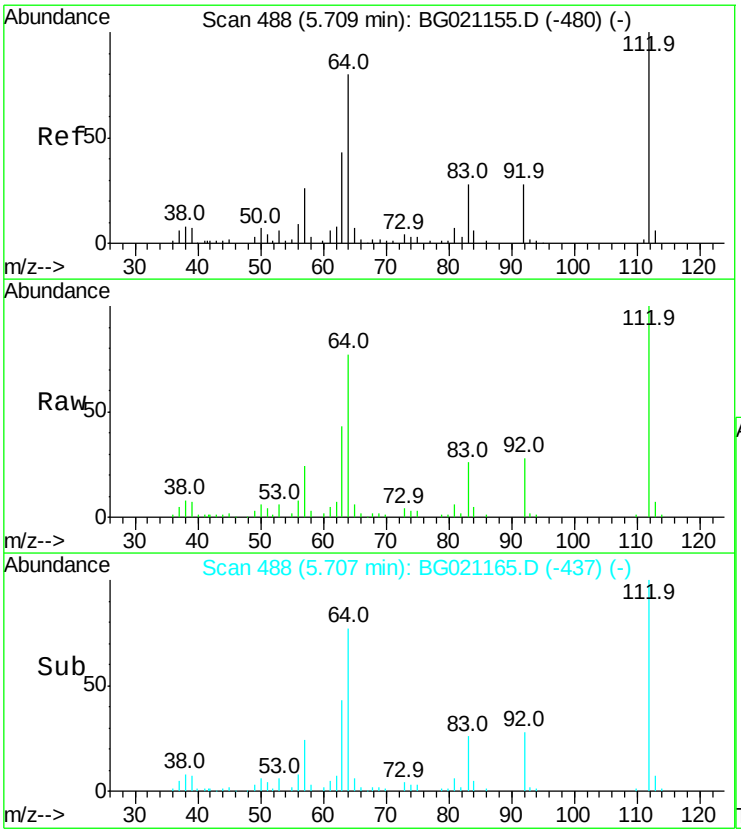

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:152 Resp: 7918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 123.4 | 185.2 |
| 115 | 74.0 | 43.3 | 64.9# |

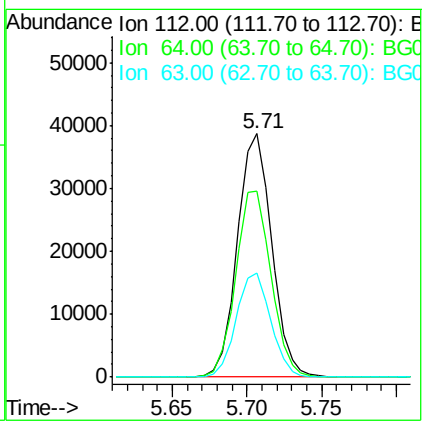


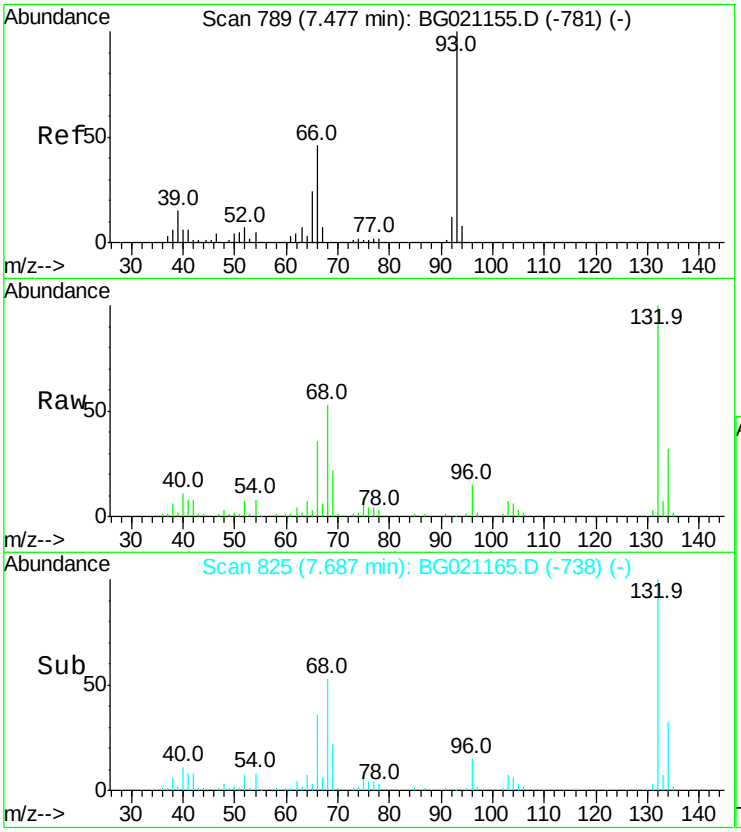




#5
2-Fluorophenol
Concen: 123.84 ng
RT: 5.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:112 Resp: 61678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 76.5 | 42.6 | 63.8# |
| 63 | 42.8 | 21.7 | 32.5# |



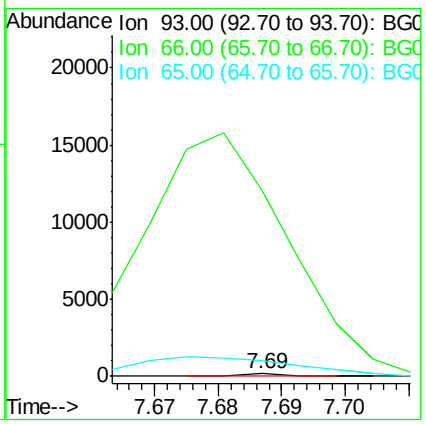


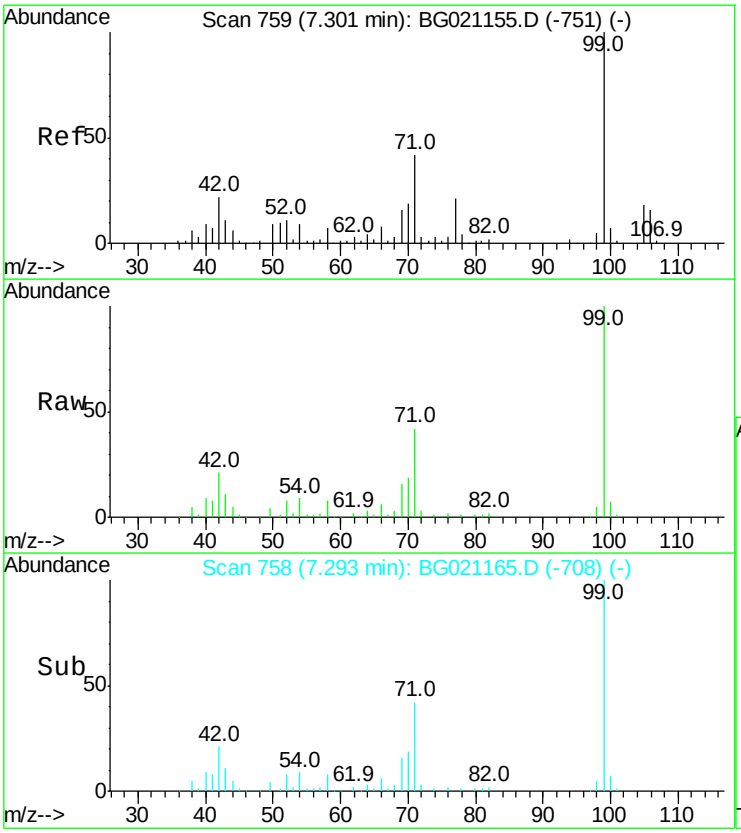

#6
Aniline
Concen: 0.05 ng
RT: 7.69 min Scan# 825
Delta R.T. 0.21 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion: 93 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 7526.3 | 30.1 | 45.1# |
| 65 | 650.0 | 16.6 | 24.8# |

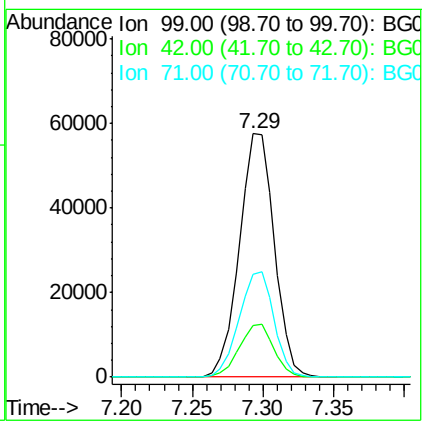


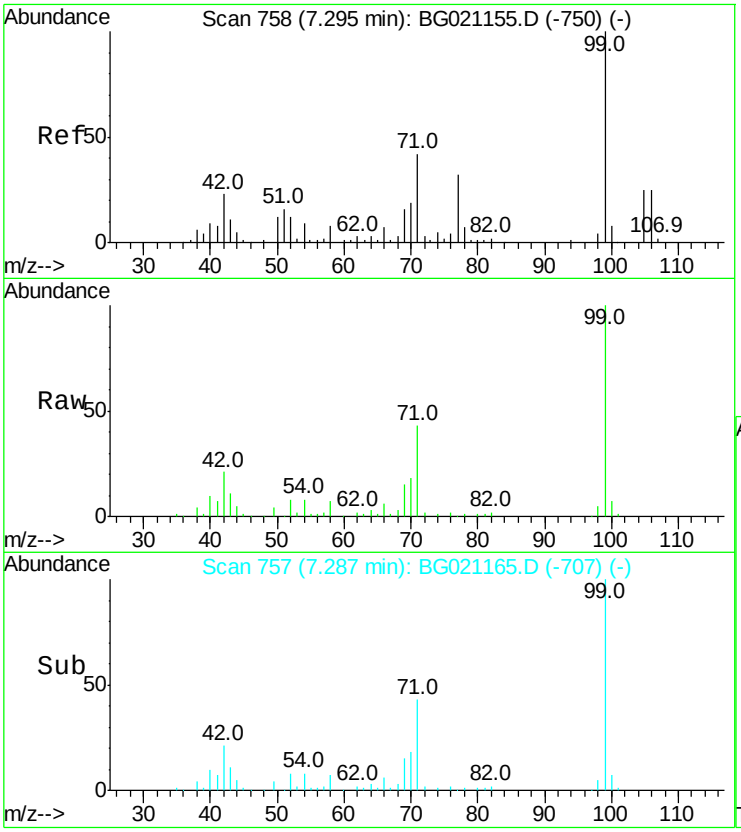




#7
Phenol-d6
Concen: 122.00 ng
RT: 7.29 min Scan# 758
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion: 99 Resp: 99917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.3 | 13.2 | 19.8# |
| 71 | 42.2 | 25.2 | 37.8# |



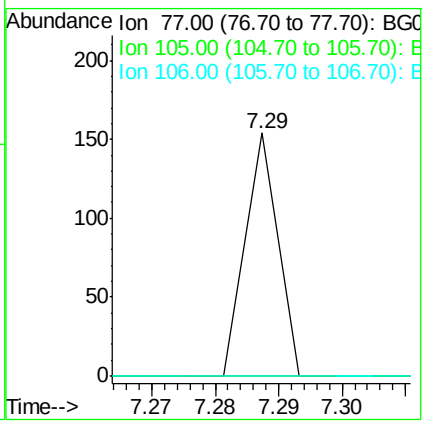


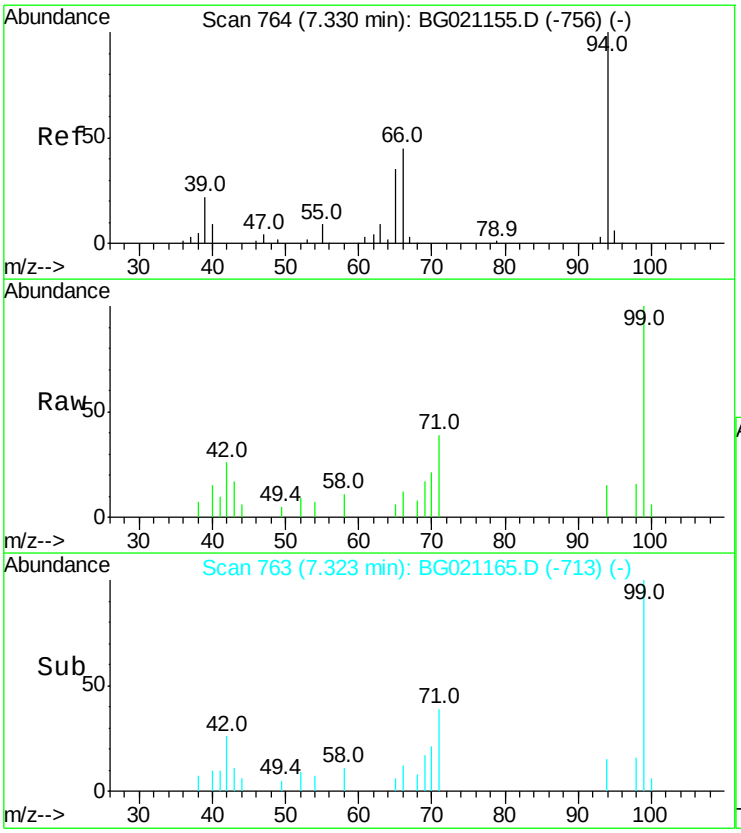

#9
Benzaldehyde
Concen: 0.11 ng
RT: 7.29 min Scan# 757
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion: 77 Resp: 54

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 77.4 | 117.4# |
| 106 | 0.0 | 72.8 | 112.8# |

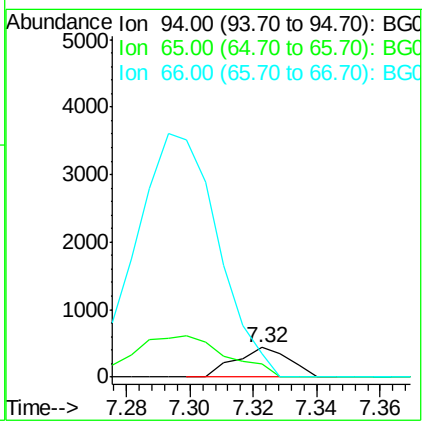


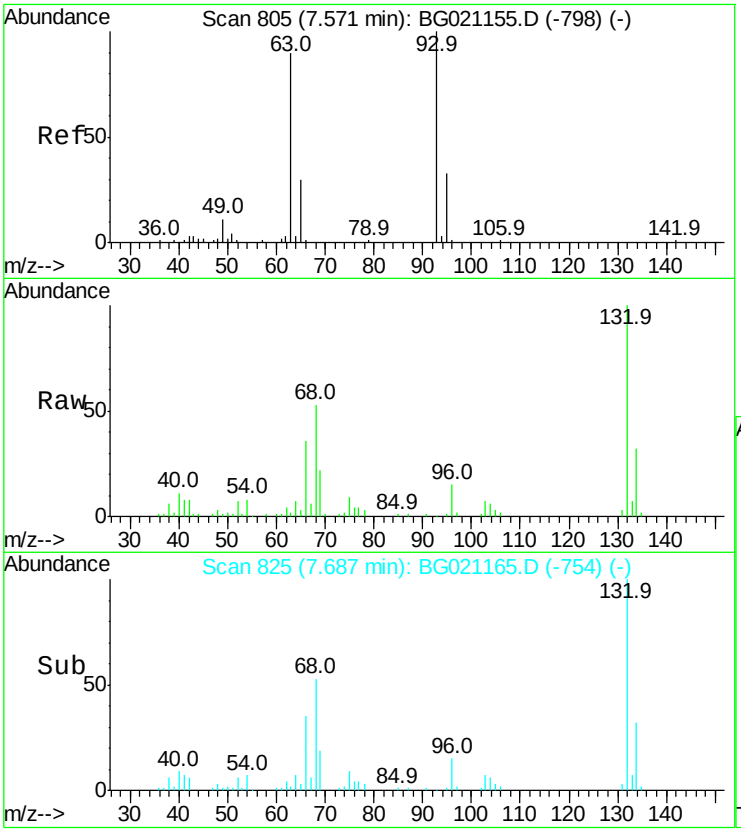




#10
Phenol
Concen: 0.59 ng
RT: 7.32 min Scan# 763
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion: 94 Resp: 511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.5 | 7.2 | 47.2 |
| 66 | 82.0 | 15.4 | 55.4# |



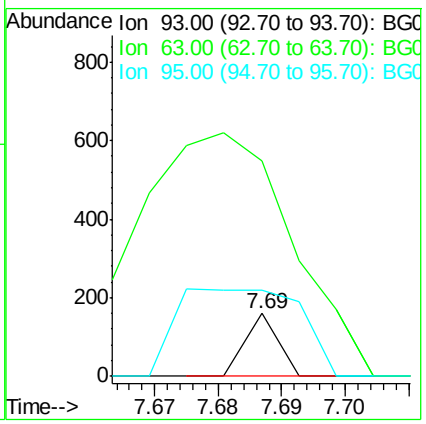


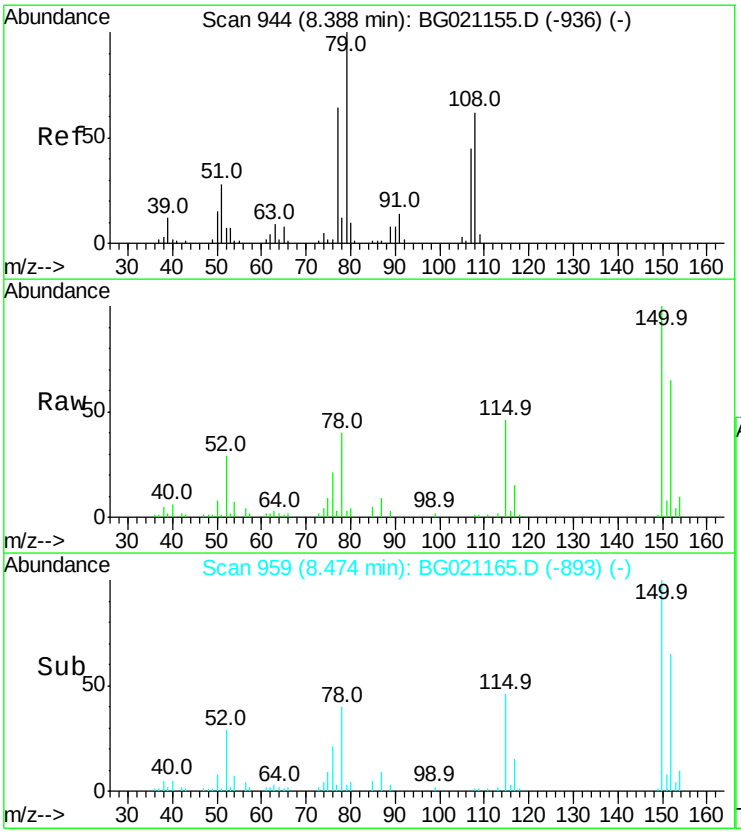

#11
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.69 min Scan# 825
Delta R.T. 0.12 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion: 93 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 343.1 | 60.5 | 100.5# |
| 95 | 137.5 | 14.6 | 54.6# |

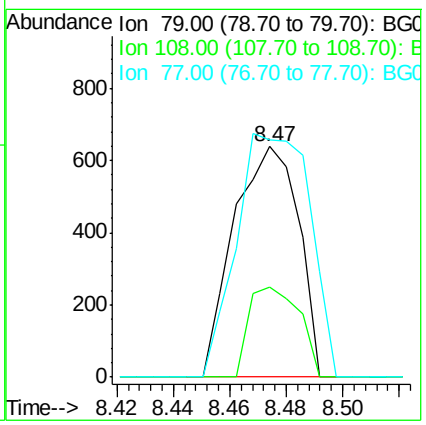


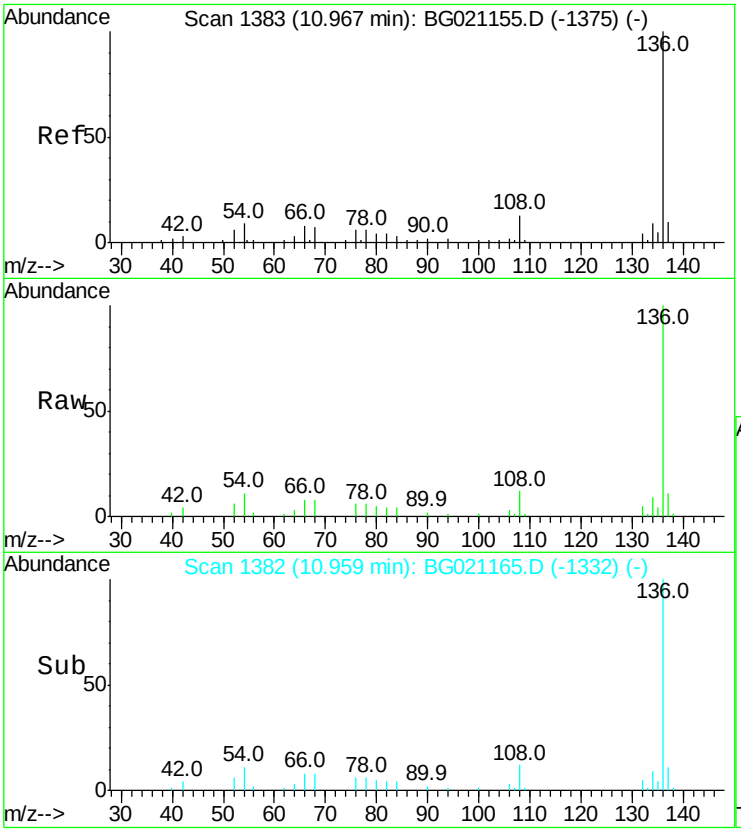




#15
Benzyl Alcohol
Concen: 1.35 ng
RT: 8.47 min Scan# 959
Delta R.T. 0.09 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion: 79 Resp: 1010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 39.2 | 65.1 | 97.7# |
| 77 | 102.8 | 53.8 | 80.8# |



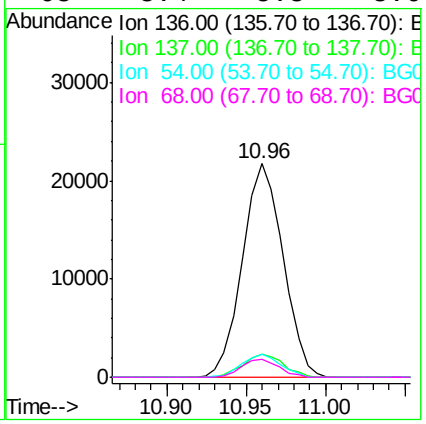


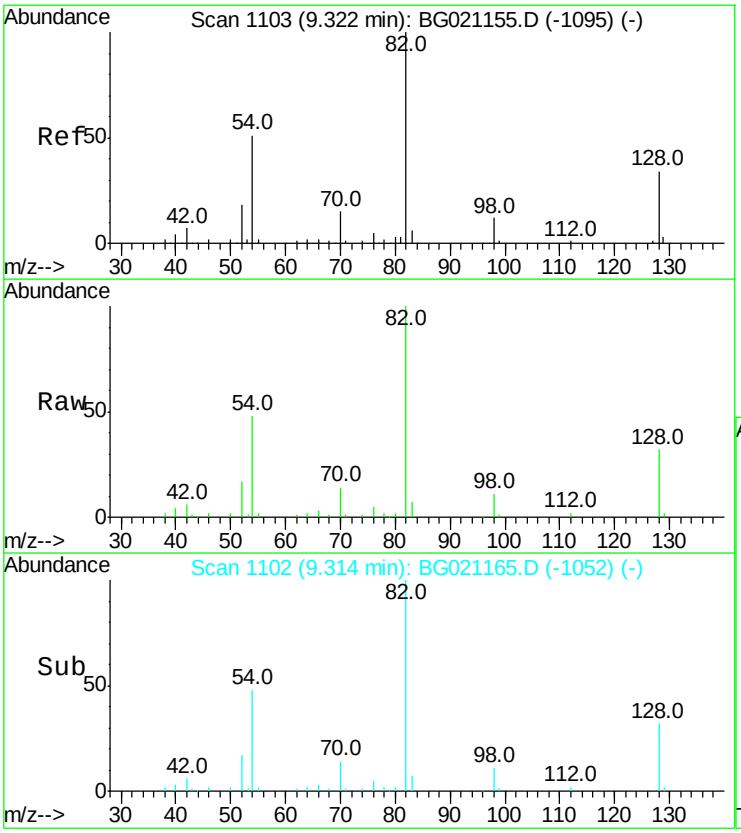

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:136 Resp: 38804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 10.5 | 6.9 | 10.3# |
| 68 | 8.4 | 5.8 | 8.6 |

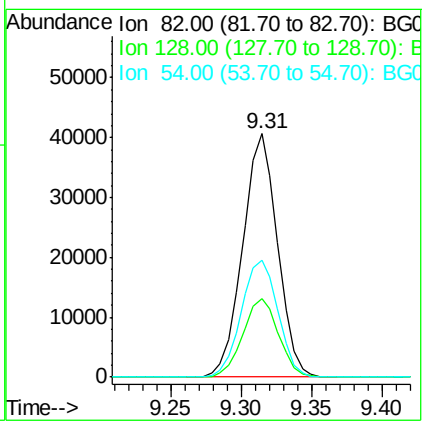


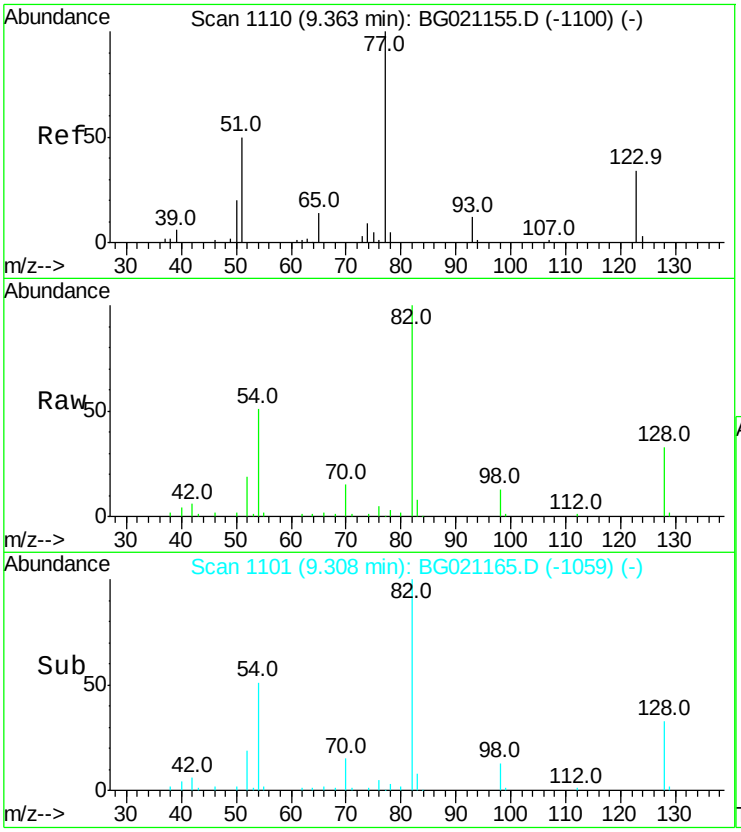




#23
Nitrobenzene-d5
Concen: 76.57 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion: 82 Resp: 70220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 32.4 | 36.3 | 54.5# |
| 54 | 48.0 | 37.6 | 56.4 |



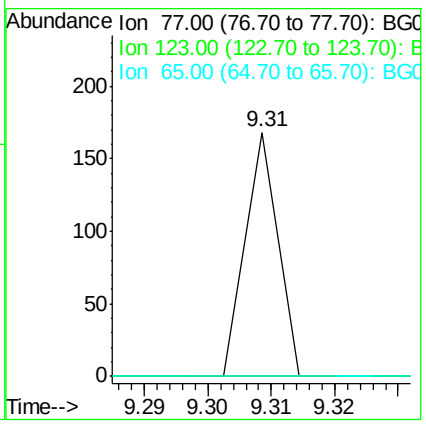


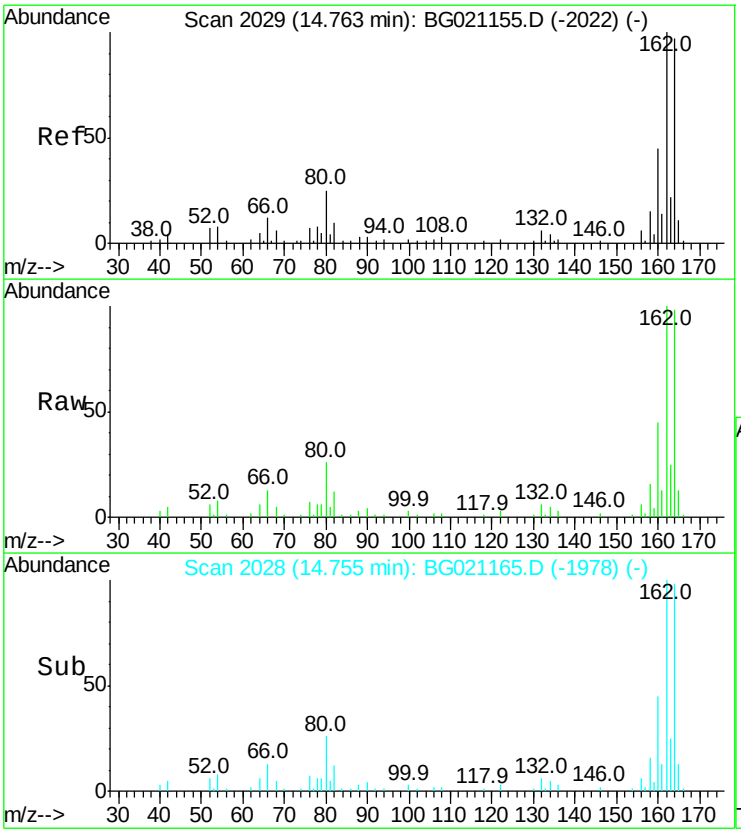

#24
Nitrobenzene
Concen: 0.06 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.05 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion: 77 Resp: 59

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 35.8 | 53.6# |
| 65 | 0.0 | 10.6 | 16.0# |

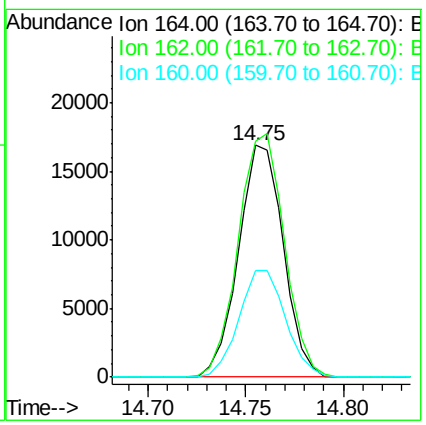


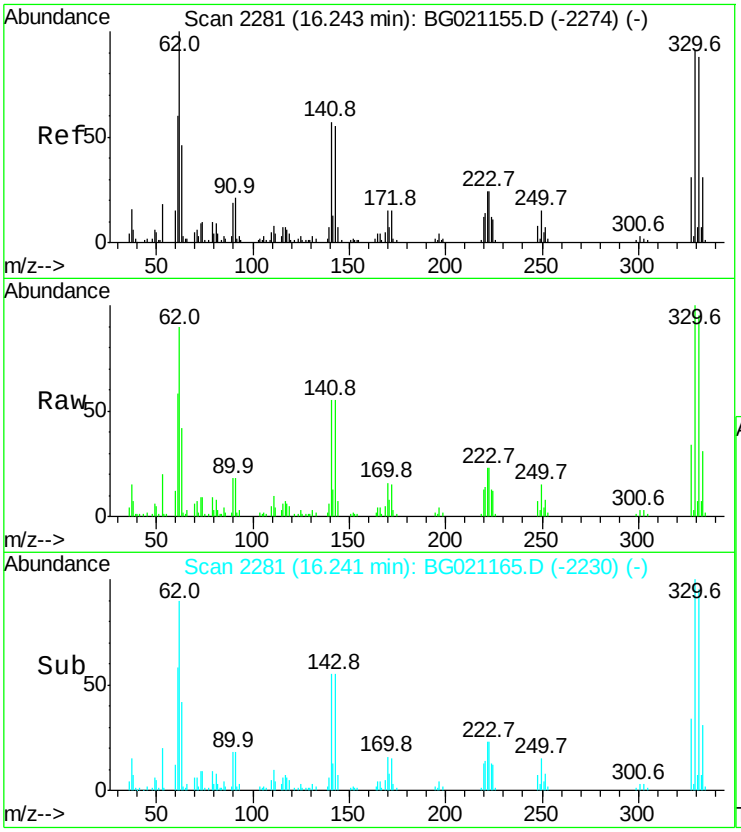




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:164 Resp: 26787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 80.6 | 120.8 |
| 160 | 46.1 | 36.5 | 54.7 |



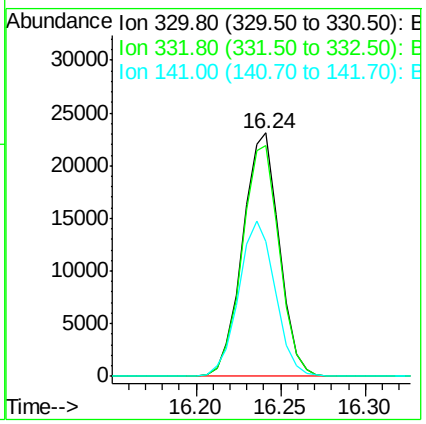


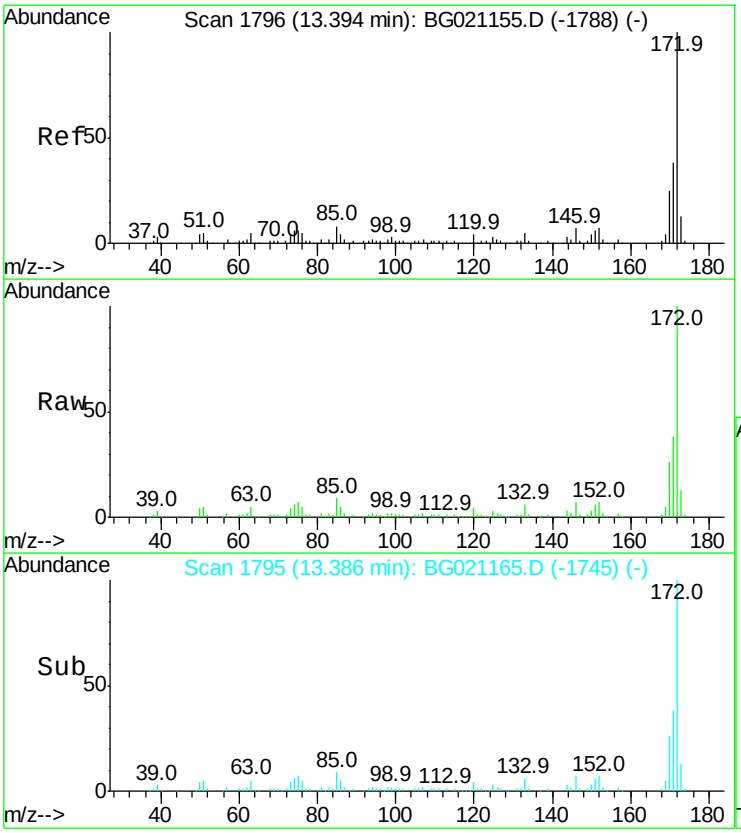

#41
2,4,6-Tribromophenol
Concen: 124.31 ng
RT: 16.24 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:330 Resp: 34644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 77.4 | 116.0 |
| 141 | 64.0 | 35.3 | 52.9# |

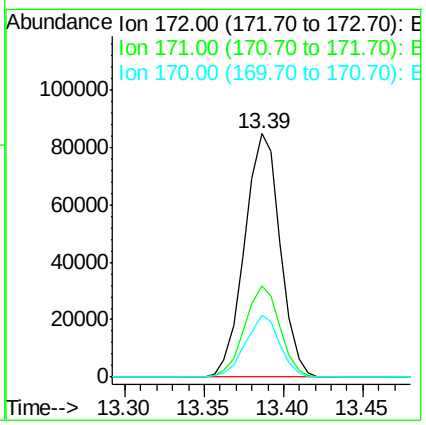


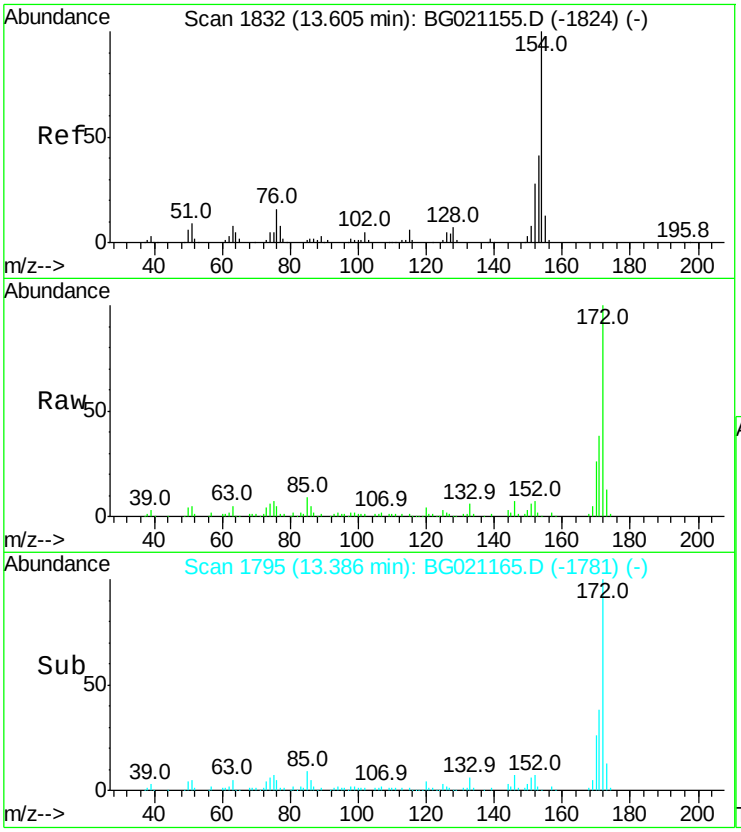




#44
2-Fluorobiphenyl
Concen: 69.96 ng
RT: 13.39 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:172 Resp: 131971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.6 | 29.4 | 44.0 |
| 170 | 25.6 | 19.8 | 29.8 |



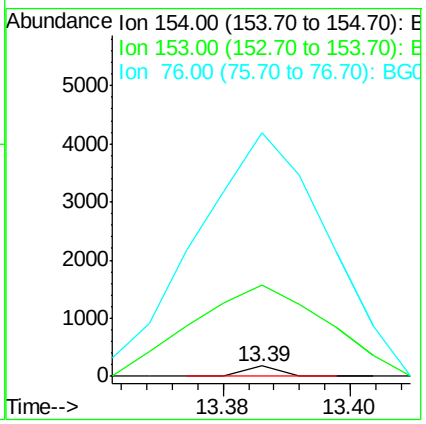


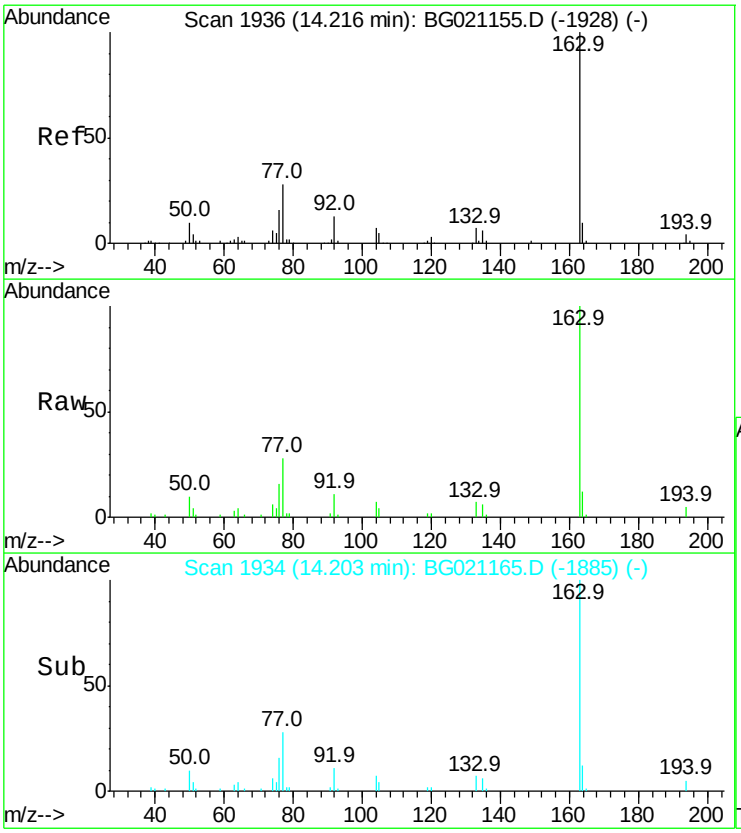

#45
1,1'-Biphenyl
Concen: 0.03 ng
RT: 13.39 min Scan# 1795
Delta R.T. -0.22 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:154 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 872.1 | 19.8 | 59.8# |
| 76 | 2340.2 | 0.0 | 33.6# |

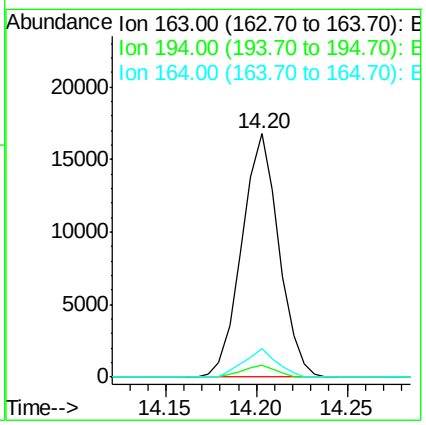


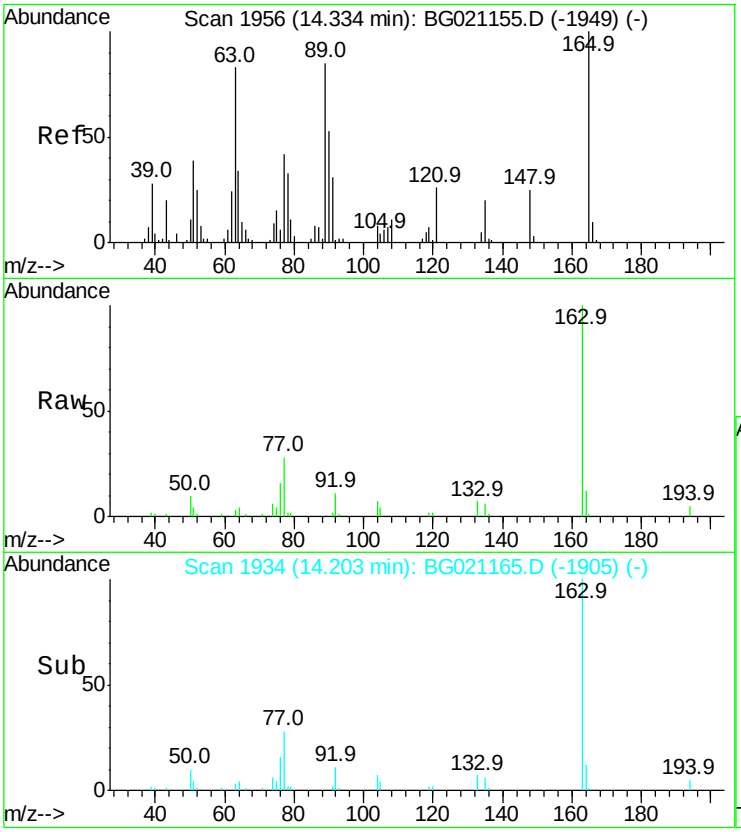




#49
Dimethylphthalate
Concen: 9.97 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:163 Resp: 23799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.8 | 2.8 | 4.2# |
| 164 | 11.7 | 7.9 | 11.9 |



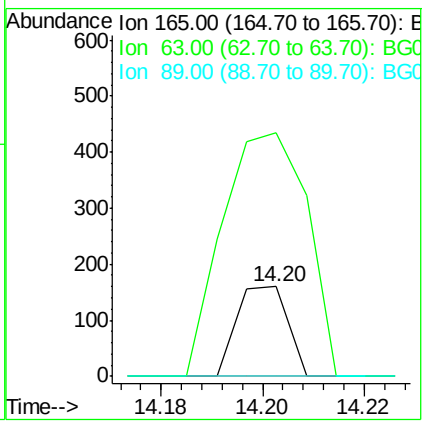


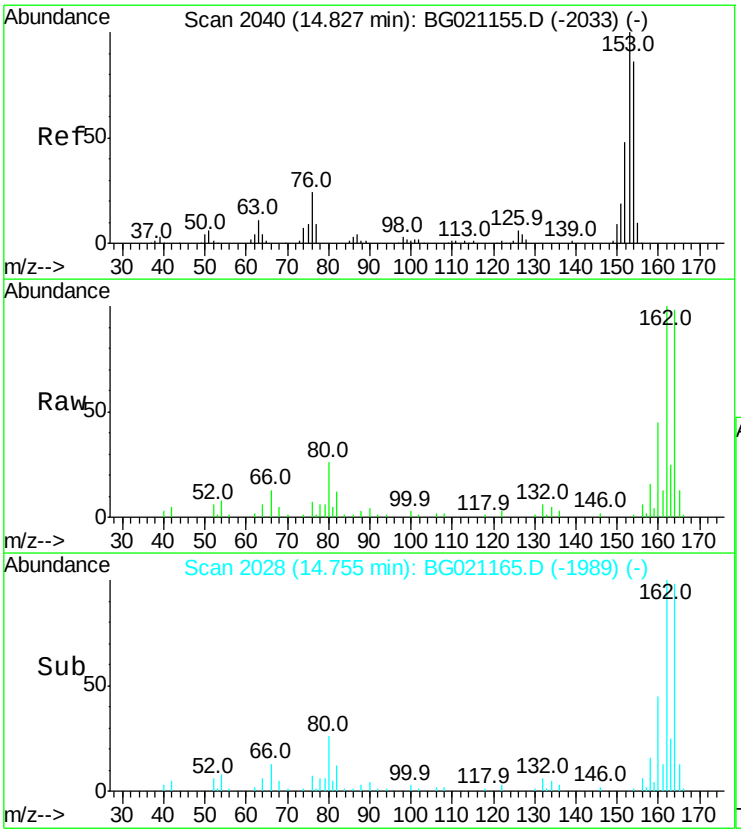

#50
2,6-Dinitrotoluene
Concen: 0.22 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.13 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:165 Resp: 111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 271.3 | 42.1 | 63.1# |
| 89 | 0.0 | 46.1 | 69.1# |

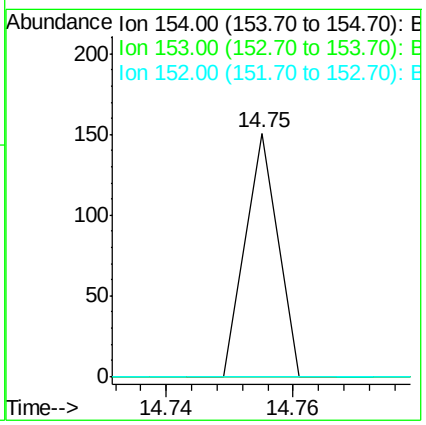


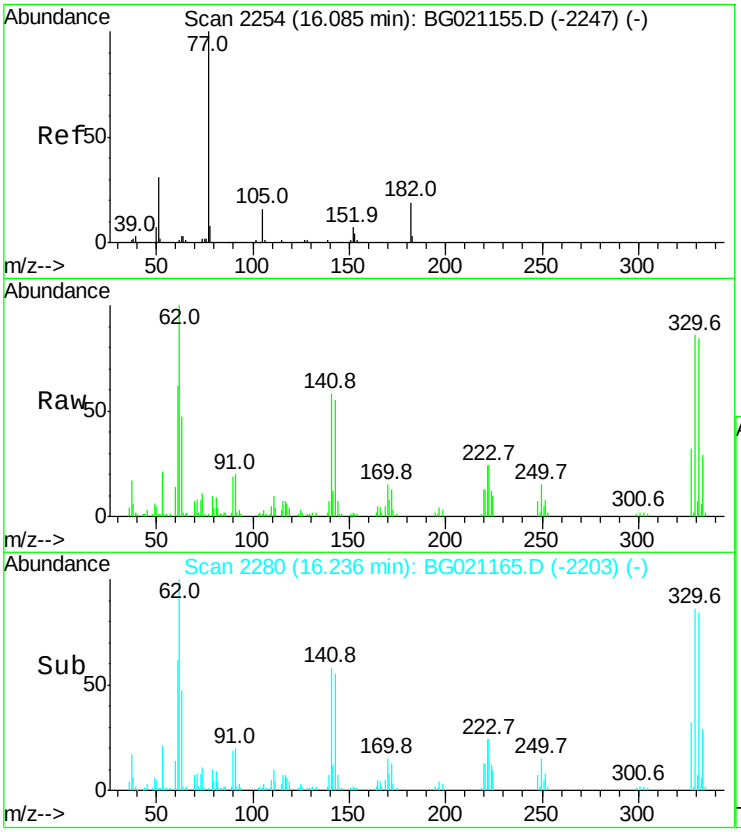




#51
Acenaphthene
Concen: 0.03 ng
RT: 14.75 min Scan# 2028
Delta R.T. -0.07 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:154 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 94.2 | 141.2# |
| 152 | 0.0 | 42.9 | 64.3# |



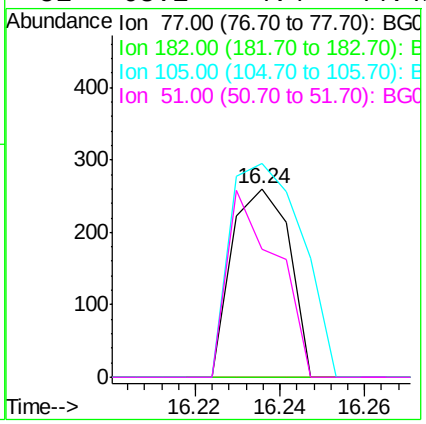


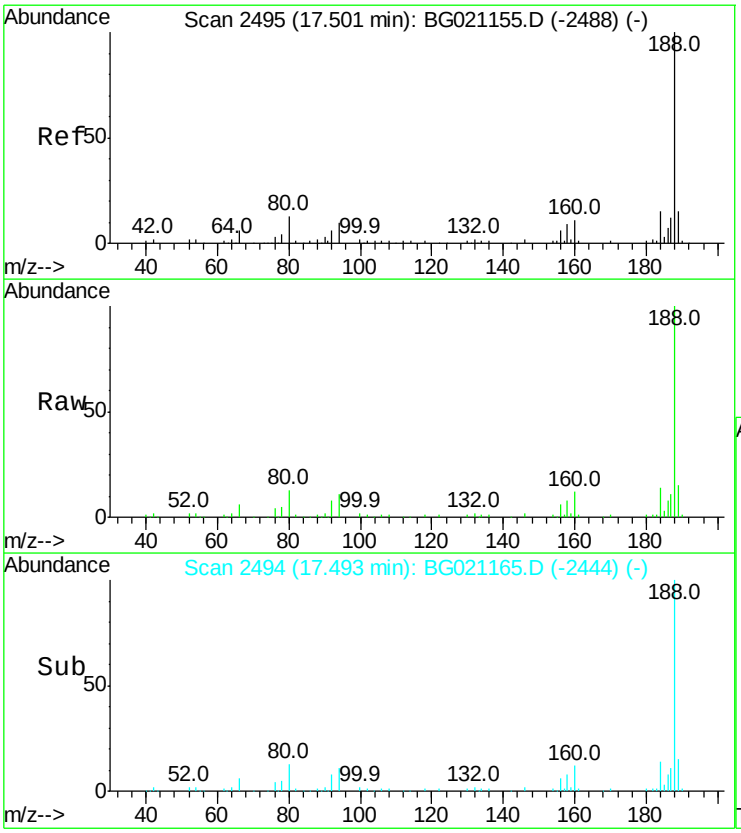

#62
Azobenzene
Concen: 0.09 ng
RT: 16.24 min Scan# 2280
Delta R.T. 0.15 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion: 77 Resp: 245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 0.7 | 40.7# |
| 105 | 113.5 | 0.0 | 38.3# |
| 51 | 68.1 | 4.4 | 44.4# |

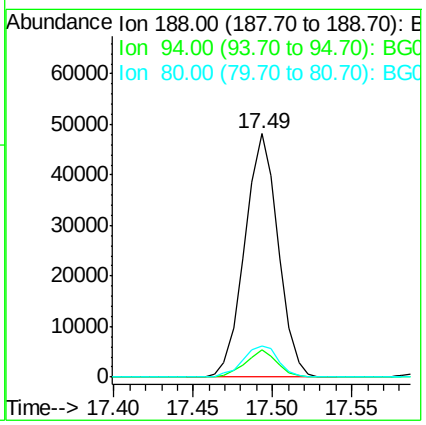


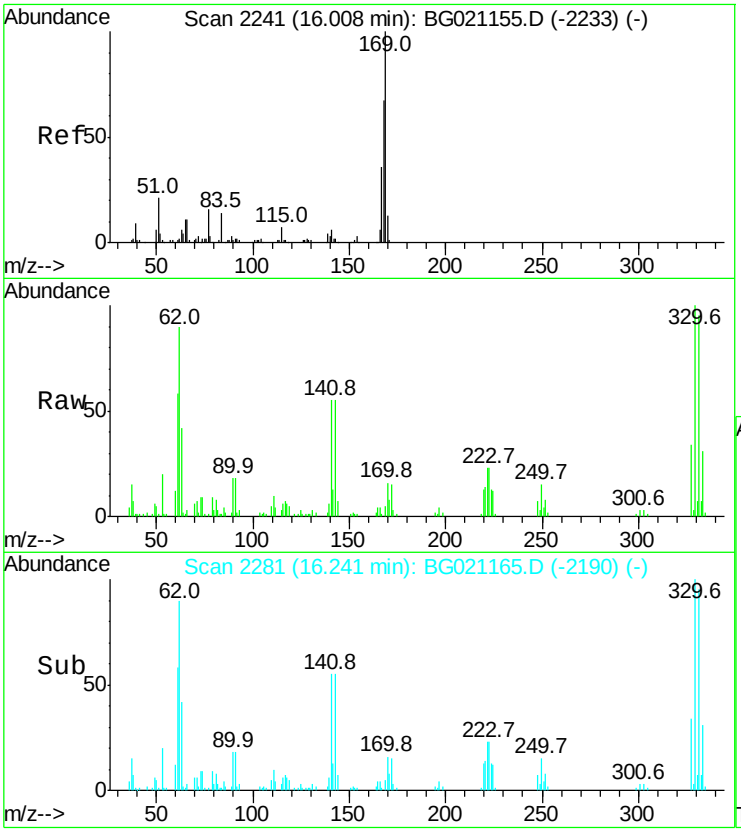




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:188 Resp: 70668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.2 | 8.2 | 12.4 |
| 80 | 12.9 | 9.2 | 13.8 |



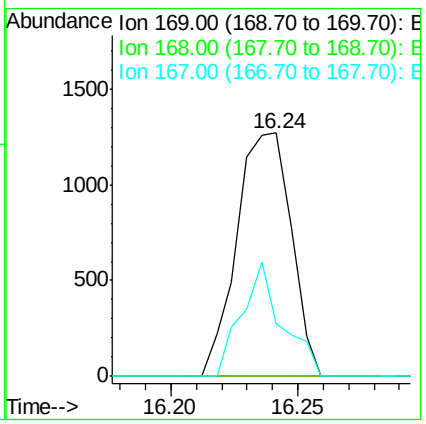


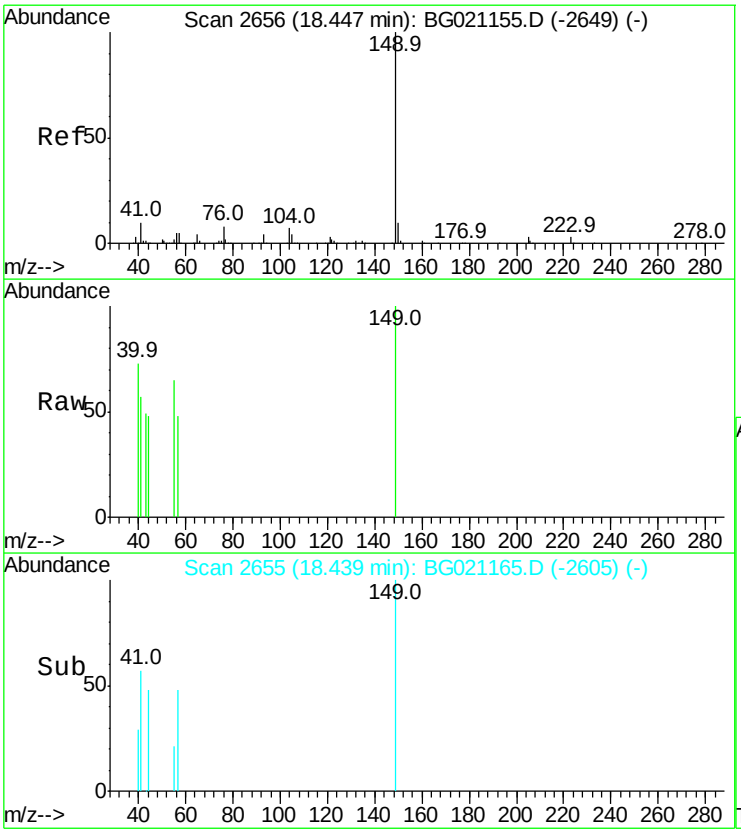

#65
n-Nitrosodiphenylamine
Concen: 0.87 ng
RT: 16.24 min Scan# 2281
Delta R.T. 0.23 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:169 Resp: 1895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 0.0 | 58.2 | 87.2# |
| 167 | 21.9 | 31.0 | 46.6# |

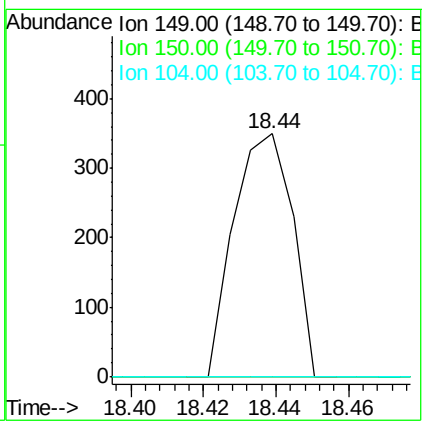


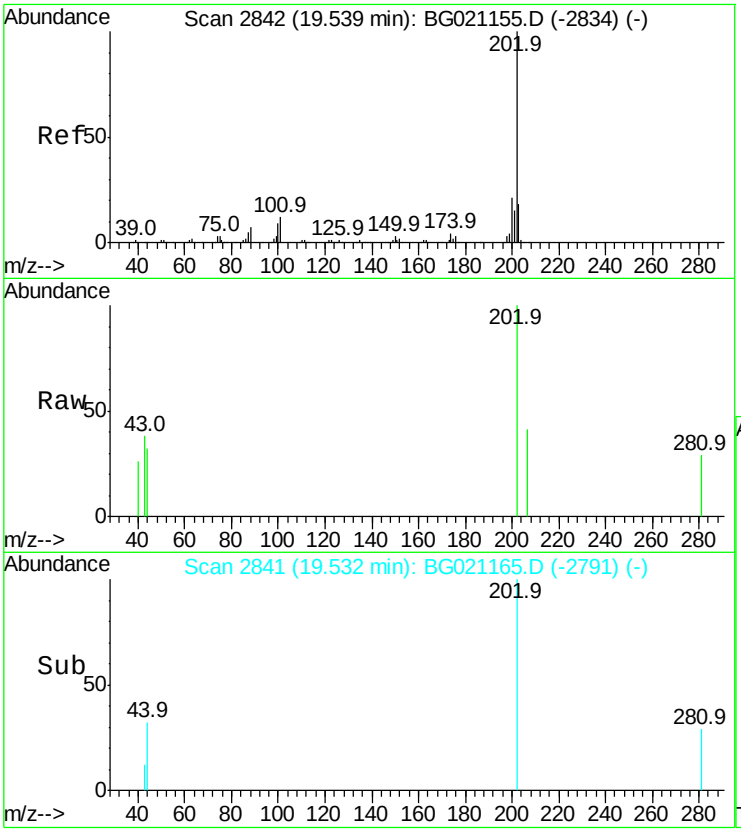




#73
Di-n-butylphthalate
Concen: 0.08 ng
RT: 18.44 min Scan# 2655
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:149 Resp: 392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.6 | 11.4# |
| 104 | 0.0 | 4.1 | 6.1# |



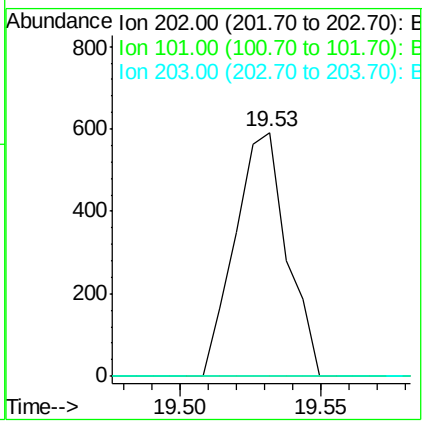


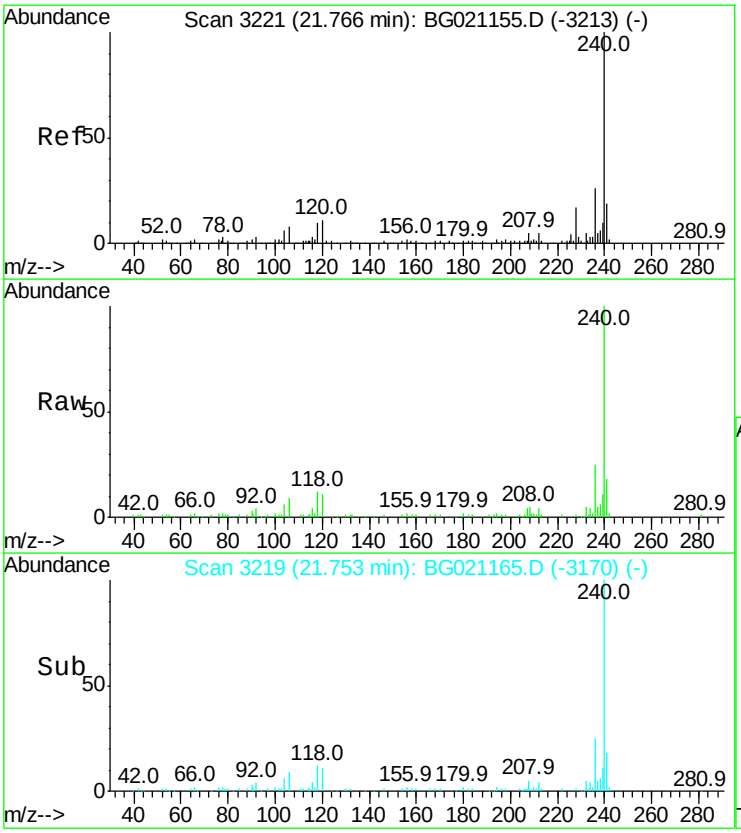

#74
Fluoranthene
Concen: 0.17 ng
RT: 19.53 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:202 Resp: 752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 32.5 |
| 203 | 0.0 | 0.0 | 37.6 |

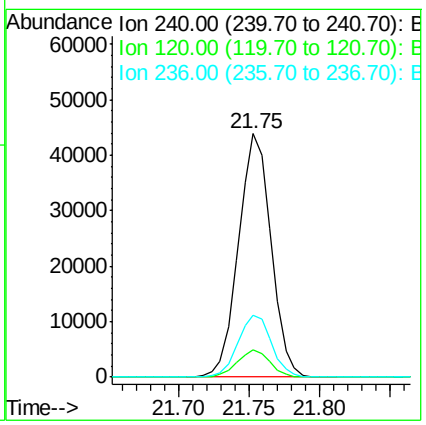


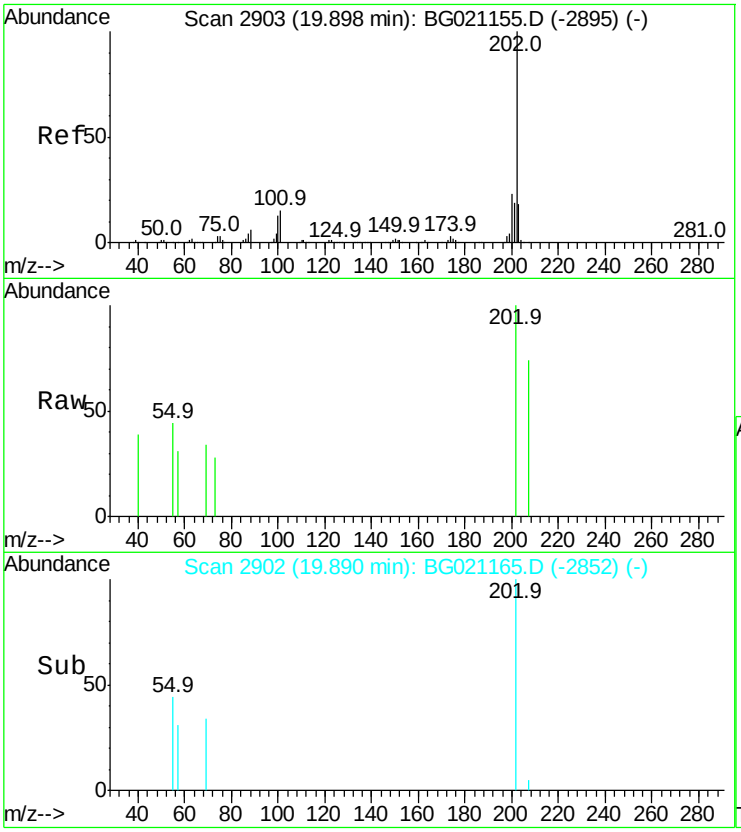




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:240 Resp: 70590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 7.5 | 11.3 |
| 236 | 25.3 | 20.5 | 30.7 |



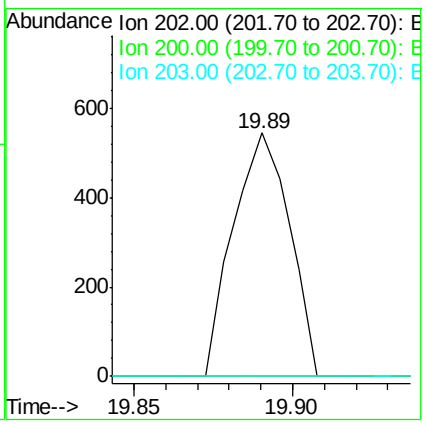


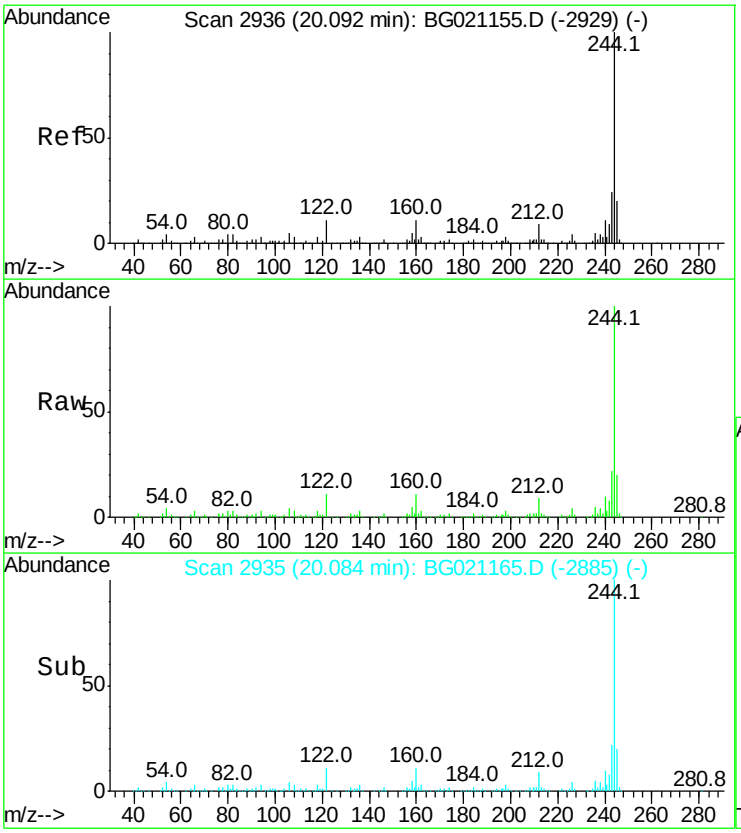

#77
Pyrene
Concen: 0.16 ng
RT: 19.89 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:202 Resp: 669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 16.6 | 25.0# |
| 203 | 0.0 | 13.8 | 20.8# |

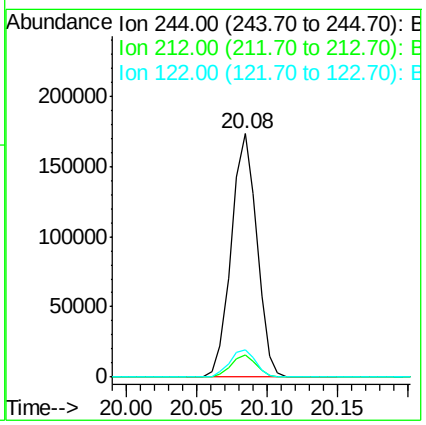


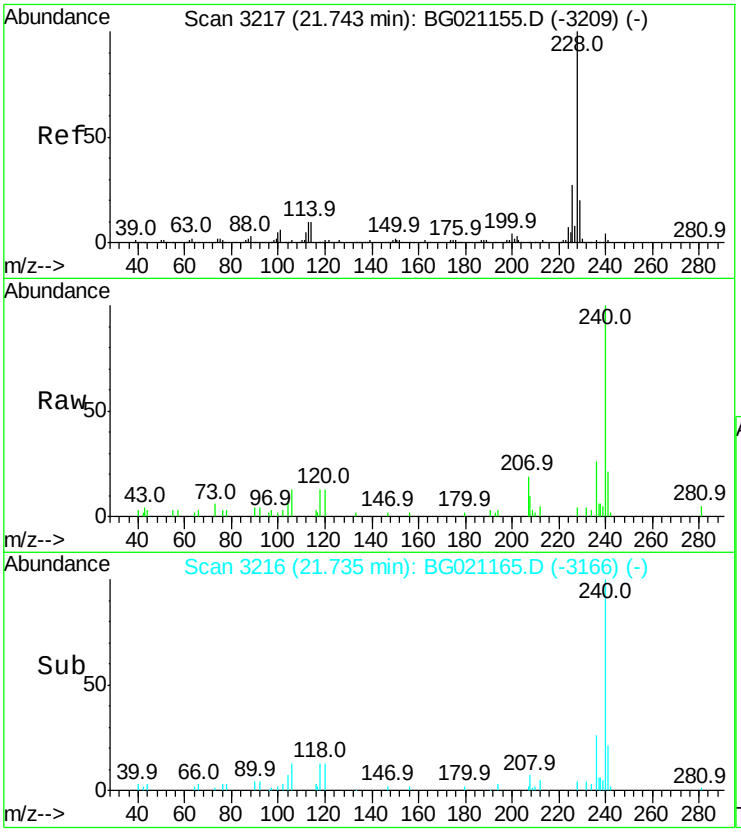




#78
Terphenyl-d14
Concen: 75.10 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:244 Resp: 218827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.9 | 5.8 | 8.6# |
| 122 | 11.2 | 8.3 | 12.5 |



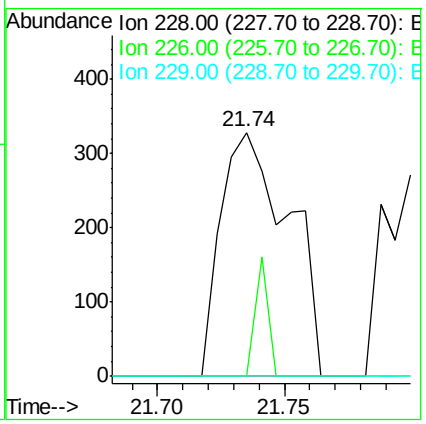


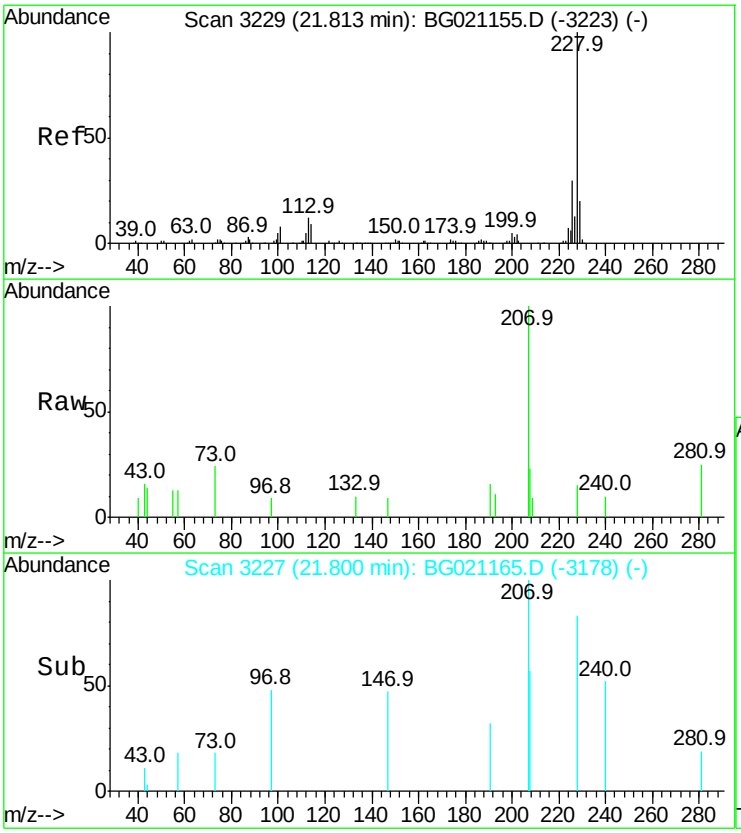

#80
Benzo(a)anthracene
Concen: 0.15 ng
RT: 21.74 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:228 Resp: 613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 22.7 | 34.1# |
| 229 | 0.0 | 15.5 | 23.3# |

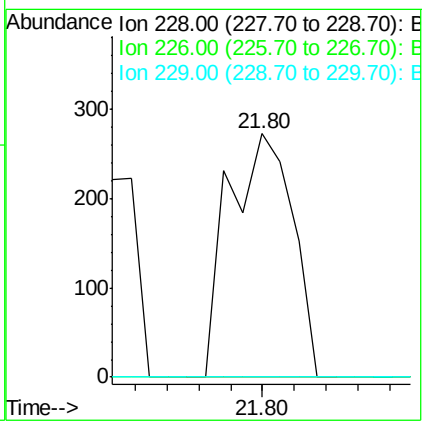


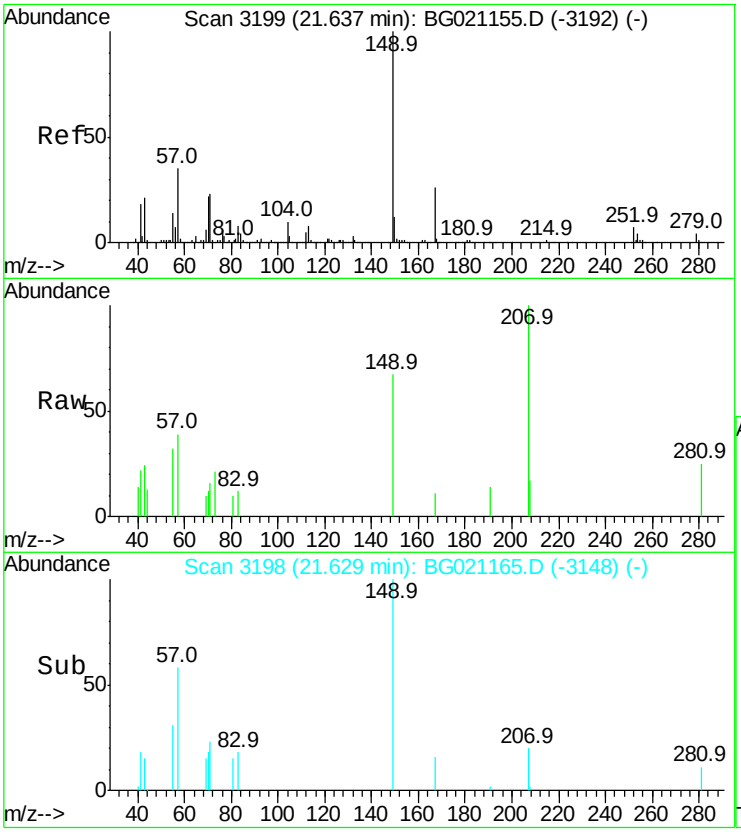




#82
Chrysene
Concen: 0.10 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:228 Resp: 381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 23.7 | 35.5# |
| 229 | 0.0 | 16.7 | 25.1# |



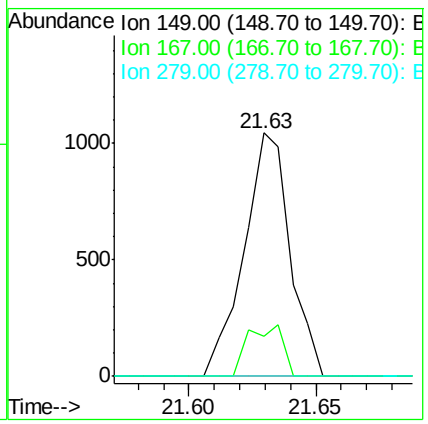


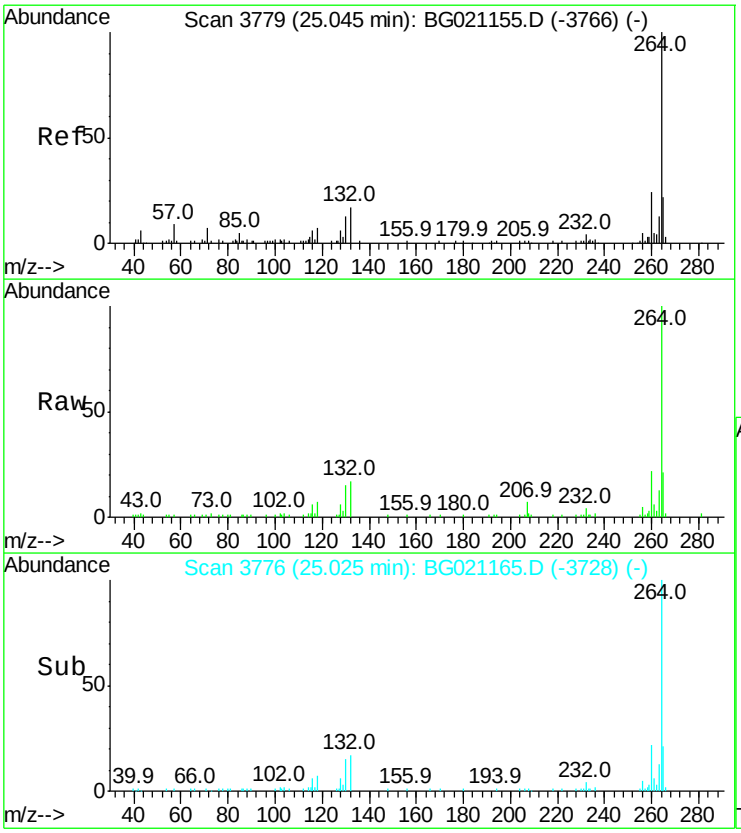

#83
Bis(2-ethylhexyl)phthalate
Concen: 0.42 ng
RT: 21.63 min Scan# 3198
Delta R.T. -0.01 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:149 Resp: 1324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 16.3 | 18.9 | 28.3# |
| 279 | 0.0 | 3.0 | 4.6# |

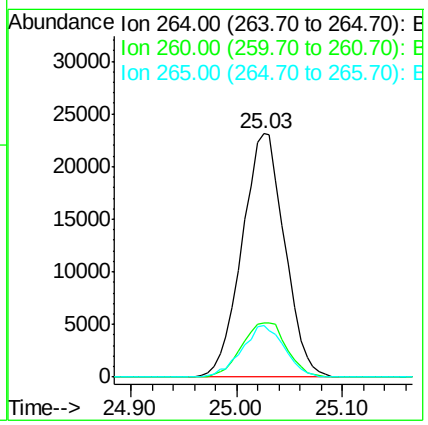


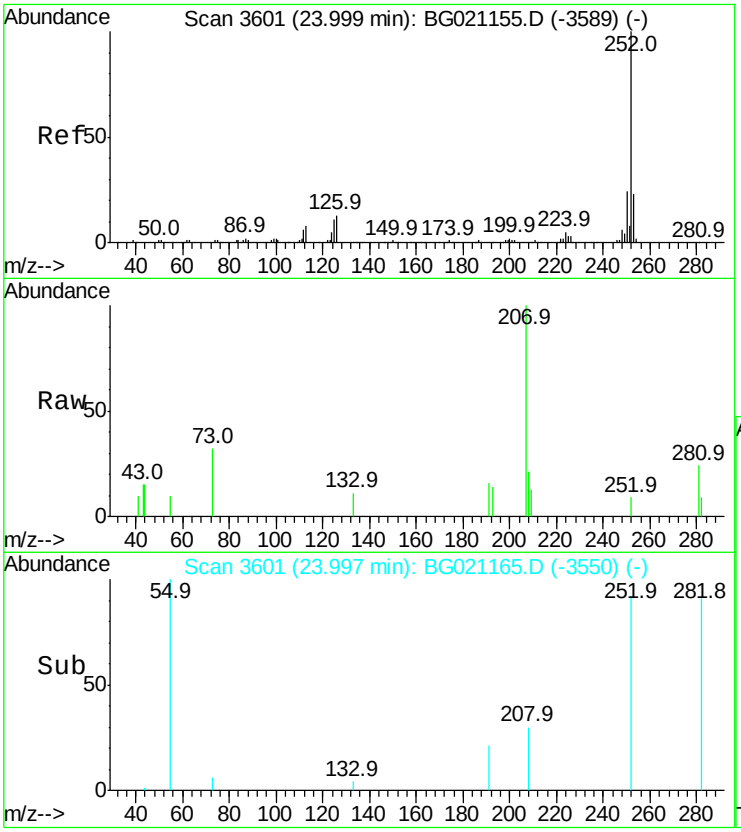




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3776
Delta R.T. -0.02 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:264 Resp: 64647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.3 | 18.5 | 27.7 |
| 265 | 21.0 | 18.6 | 28.0 |



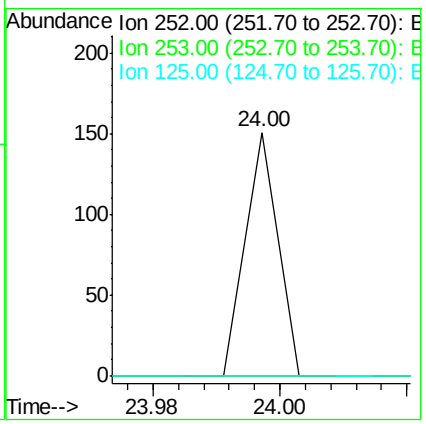


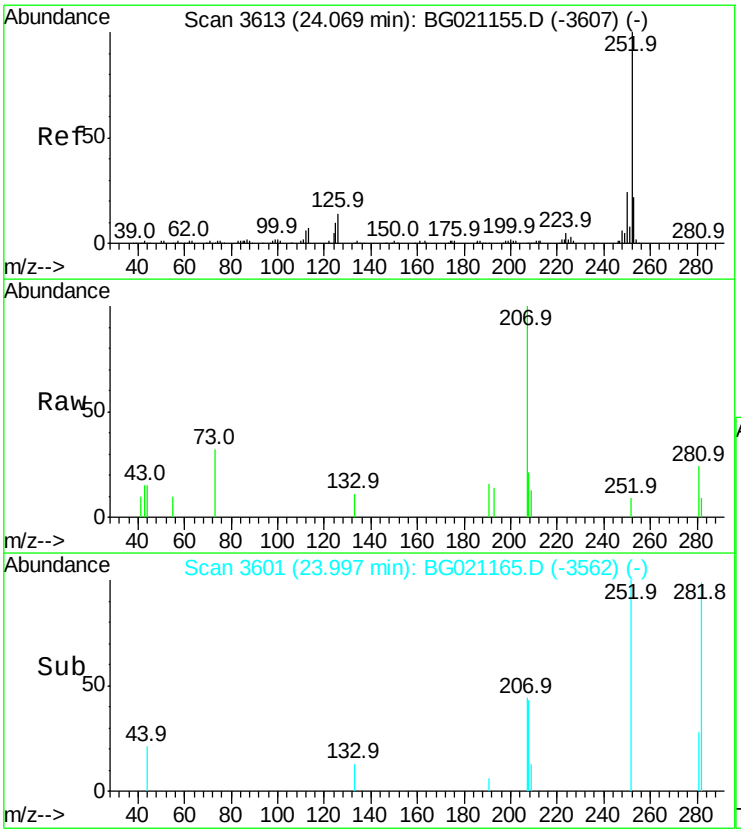

#87
Benzo(b)fluoranthene
Concen: 0.01 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:252 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 16.8 | 25.2# |
| 125 | 0.0 | 8.2 | 12.2# |

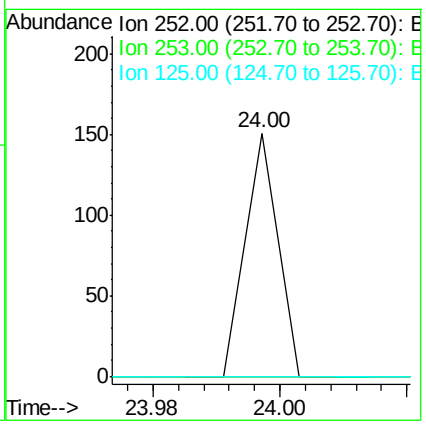


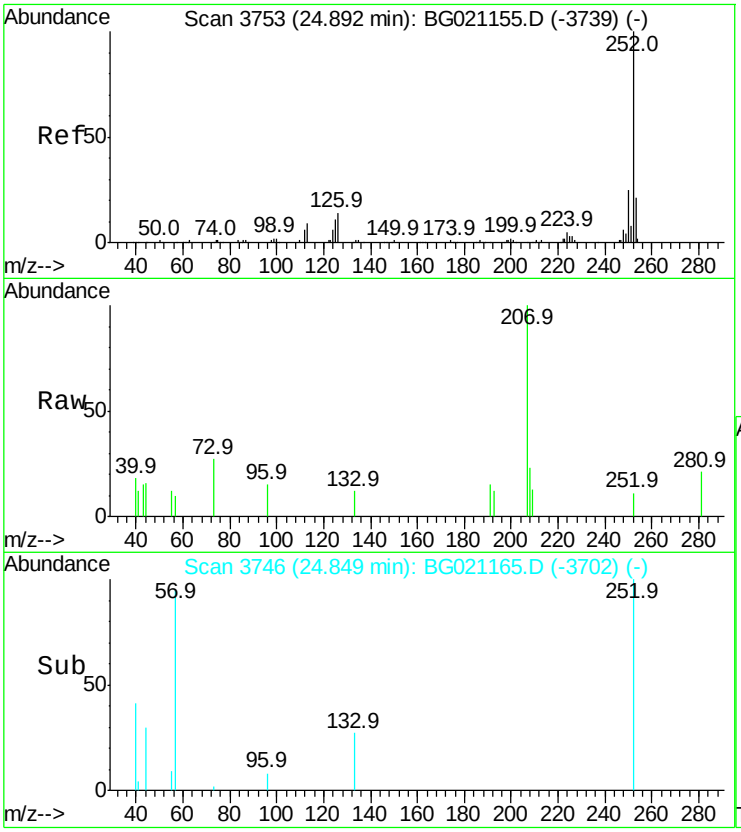




#88
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.07 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

Tgt Ion:252 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 16.4 | 24.6# |
| 125 | 0.0 | 8.2 | 12.2# |






#89
Benzo(a)pyrene
Concen: 0.02 ng
RT: 24.85 min Scan# 3746
Delta R.T. -0.04 min
Lab File: BG021165.D
Acq: 29 Feb 2016 21:32

**Instrument :**
BNA_G
**ClientSampleId :**
SB-39(6-8)

Tgt Ion:252 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 15.8 | 23.8# |
| 125 | 0.0 | 8.4 | 12.6# |