Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
Data File : BG046654.D
Acq On : 17 Sep 2020 00:03
Operator : CG/JU
Sample : L4018-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** VNJ-229

Quant Time: Sep 17 02:15:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 16 11:07:52 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 68155 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.72 | 136 | 280913 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.55 | 164 | 193349 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.29 | 188 | 441351 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.54 | 240 | 464284 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.64 | 264 | 448943 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 453047 | 117.74 | ng | | 0.00 |
| 7) Phenol-d6 | 7.10 | 99 | 542994 | 99.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.08 | 82 | 448434 | 91.24 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.04 | 330 | 285502 | 108.98 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.17 | 172 | 1148957 | 90.71 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.91 | 244 | 1746802 | 80.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.08 | 70 | 57203 | 17.531 | ng | # | 75 |
| 51) 2,6-Dinitrotoluene | 14.55 | 165 | 25695 | 7.793 | ng | # | 34 |
| 52) Acenaphthene | 14.61 | 154 | 25877 | 2.414 | ng | | 95 |
| 56) 4-Nitrophenol | 14.96 | 139 | 5928 | 2.255 | ng | # | 11 |
| 57) 2,4-Dinitrotoluene | 14.55 | 165 | 25695 | 5.465 | ng | # | 32 |
| 58) Fluorene | 15.61 | 166 | 30100 | 2.084 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.04 | 248 | 21165 | 4.110 | ng | # | 1 |
| 71) Phenanthrene | 17.34 | 178 | 91719 | 4.100 | ng | | 96 |
| 72) Anthracene | 17.34 | 178 | 91719 | 4.156 | ng | | 96 |
| 77) Benzidine | 19.91 | 184 | 26990 | 2.502 | ng | # | 93 |

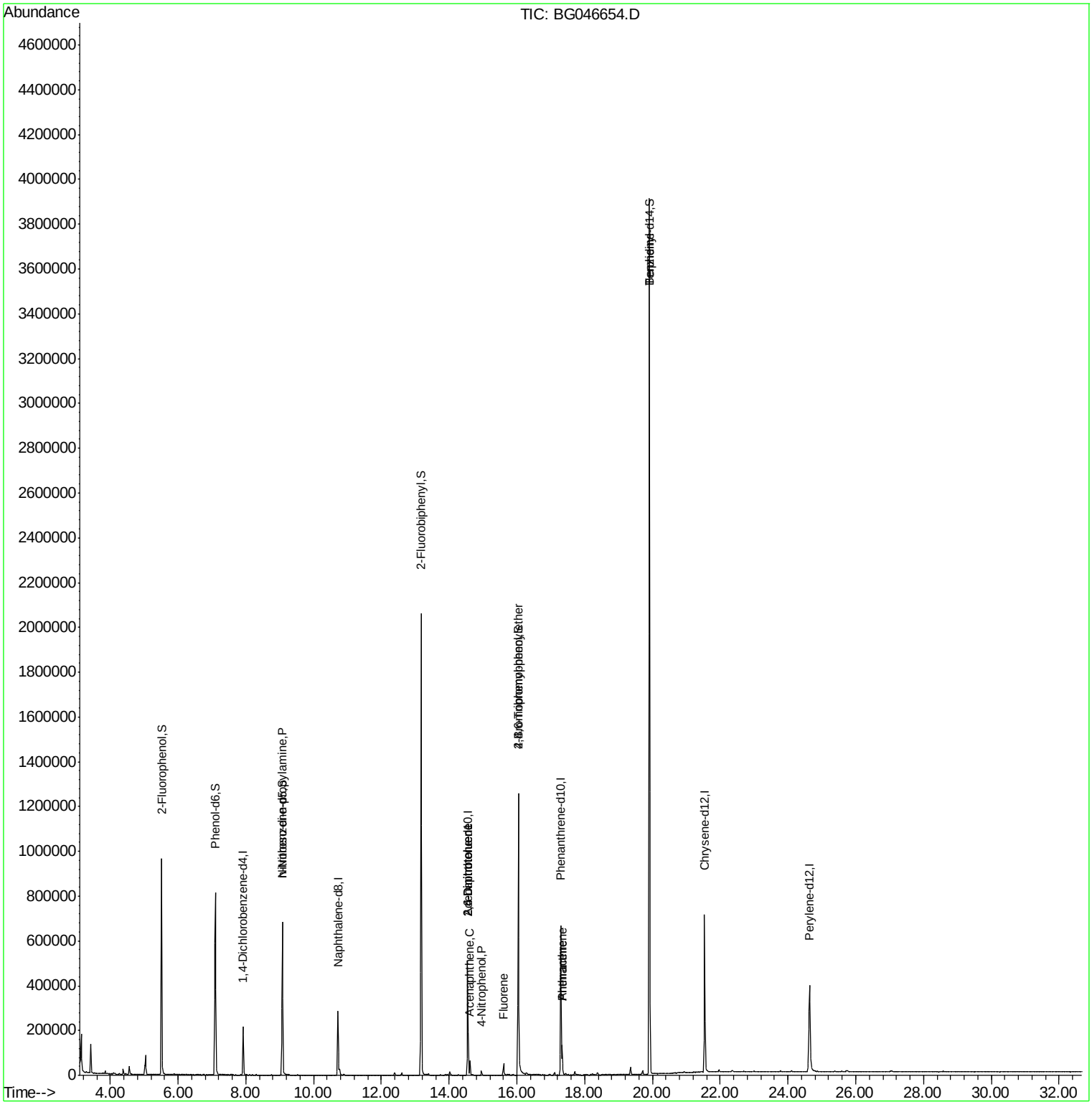
(#) = qualifier out of range (m) = manual integration (+) = signals summed

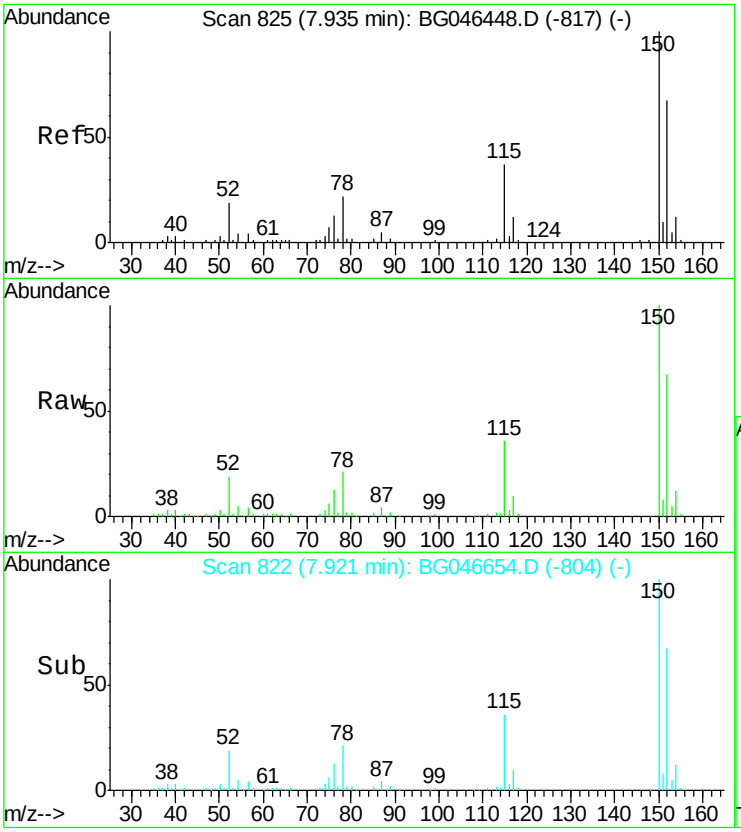
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
Data File : BG046654.D
Acq On : 17 Sep 2020 00:03
Operator : CG/JU
Sample : L4018-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** VNJ-229

Quant Time: Sep 17 02:15:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 16 11:07:52 2020
Response via : Initial Calibration



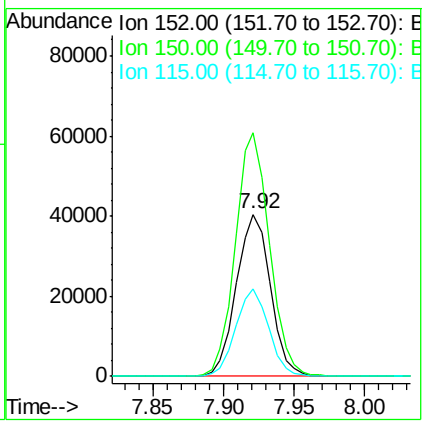


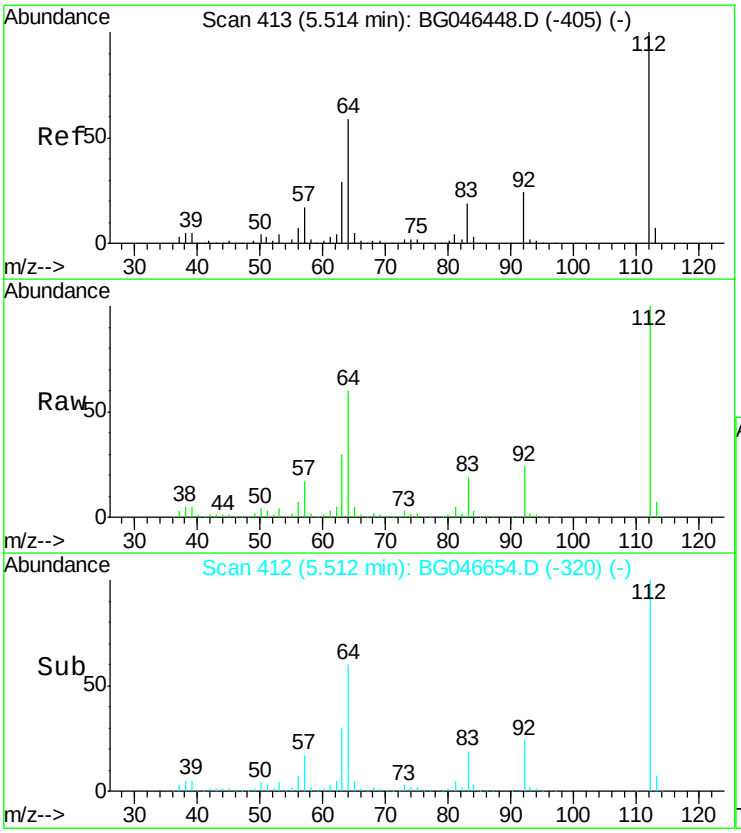

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:152 Resp: 68155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.1 | 125.0 | 187.6 |
| 115 | 53.6 | 41.8 | 62.6 |

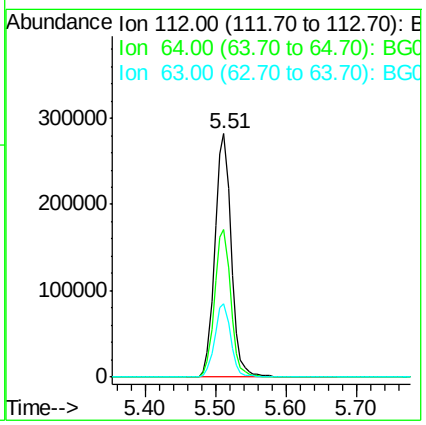


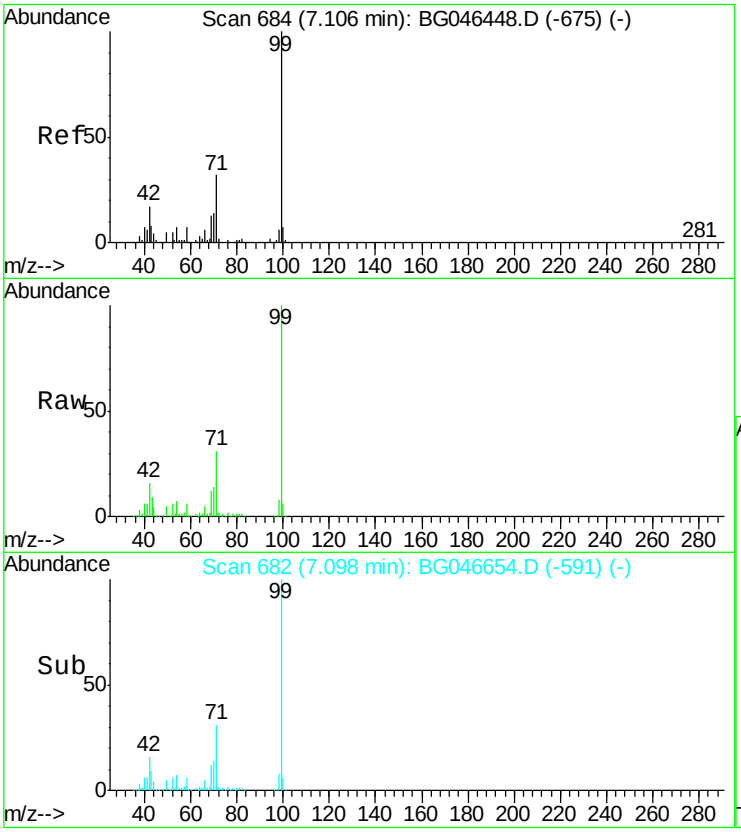




#5
2-Fluorophenol
Concen: 117.736 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.01 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:112 Resp: 453047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.5 | 46.7 | 70.1 |
| 63 | 30.1 | 22.8 | 34.2 |



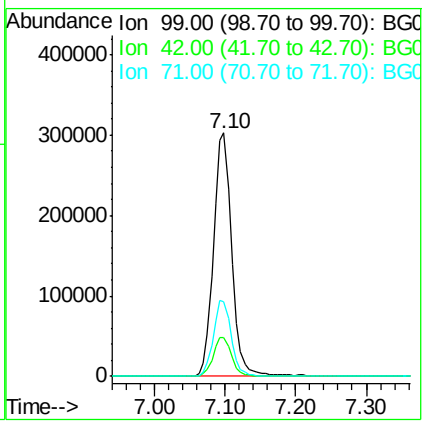


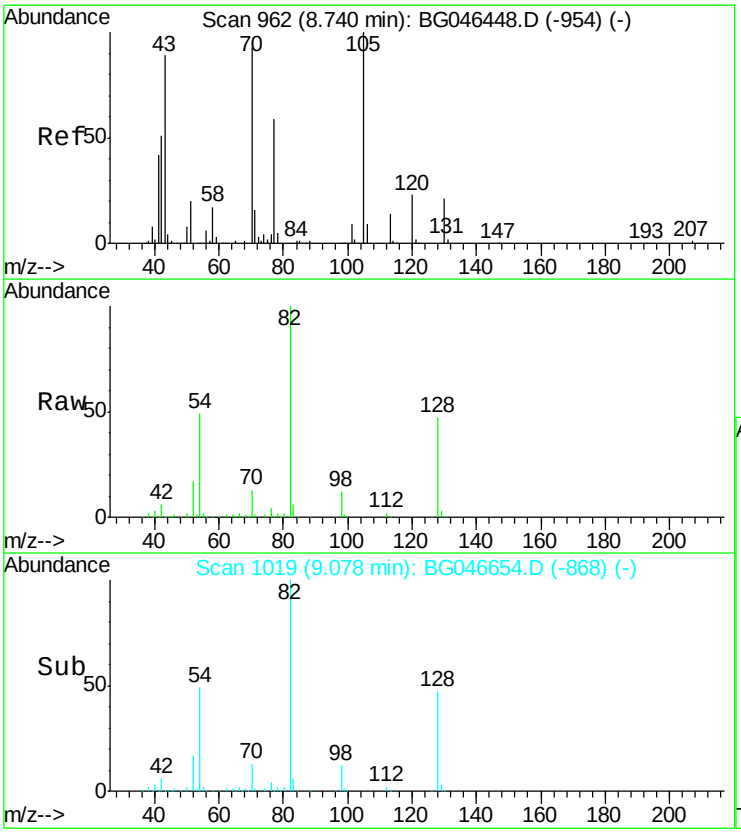

#7
Phenol-d6
Concen: 99.542 ng
RT: 7.10 min Scan# 682
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion: 99 Resp: 542994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.0 | 12.8 | 19.2 |
| 71 | 30.8 | 24.6 | 36.8 |

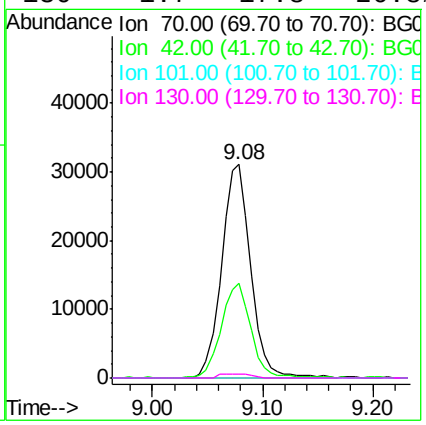


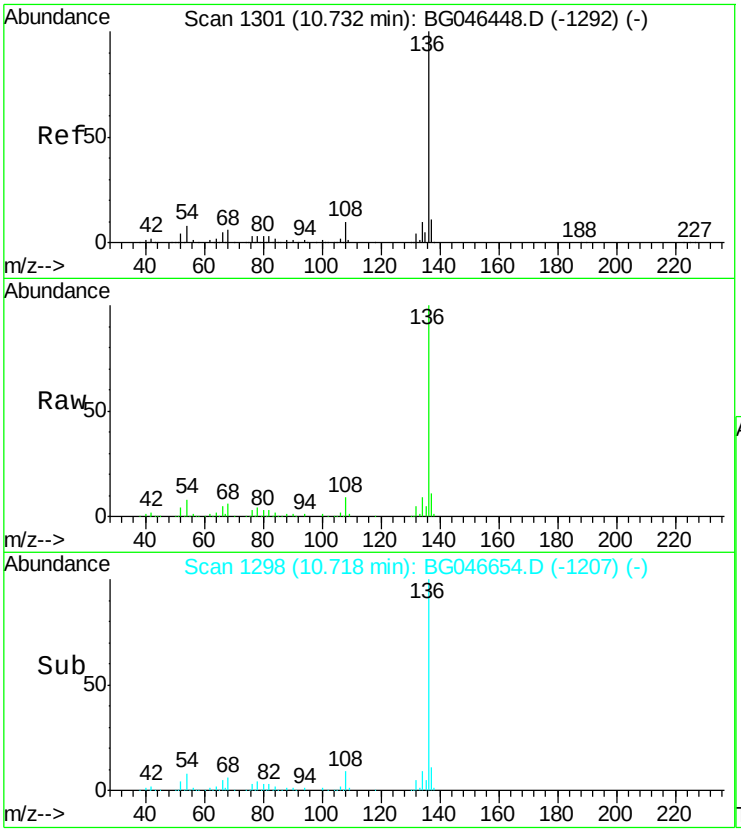




#19
n-Nitroso-di-n-propylamine
Concen: 17.531 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion: 70 Resp: 57203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 45.6 | 68.4# |
| 101 | 0.0 | 8.4 | 12.6# |
| 130 | 1.7 | 17.8 | 26.8# |



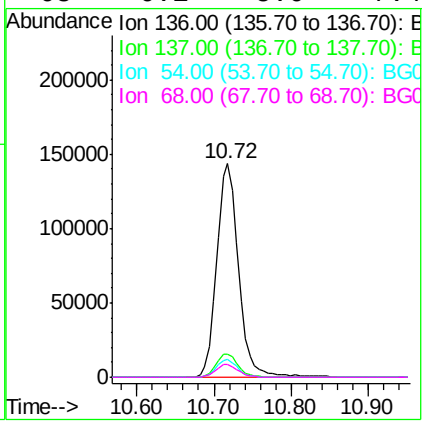


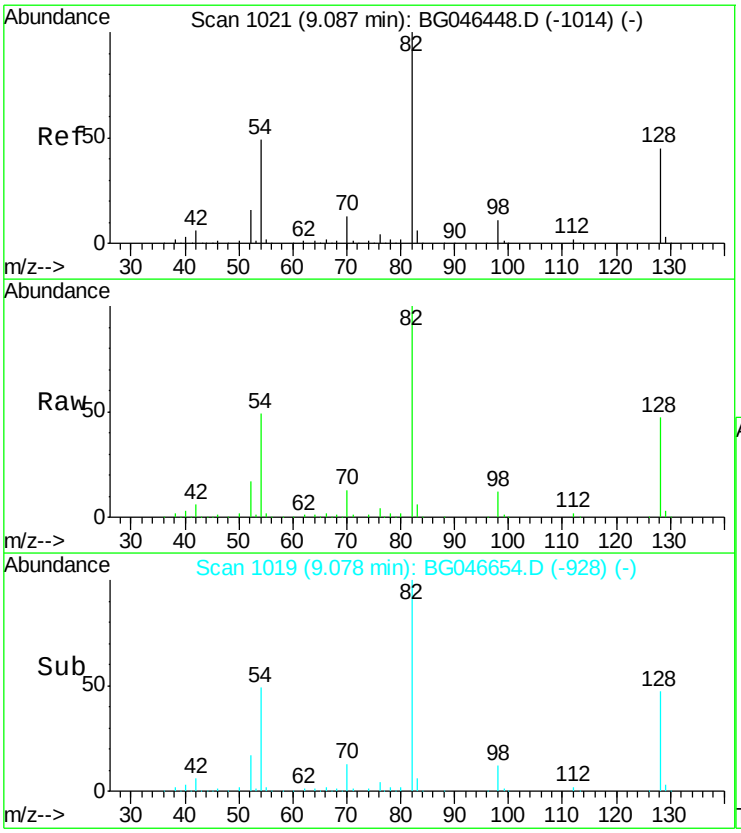

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:136 Resp: 280913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.1 | 13.7 |
| 54 | 8.2 | 6.2 | 9.4 |
| 68 | 6.1 | 5.0 | 7.4 |

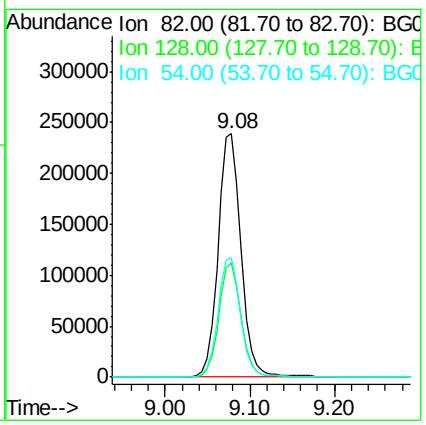


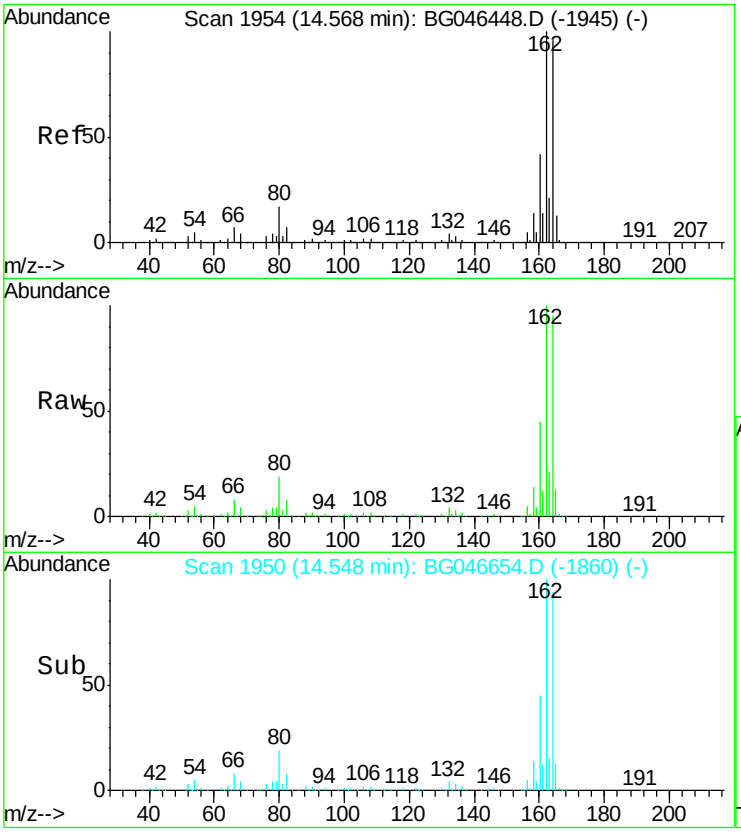




#23
Nitrobenzene-d5
Concen: 91.239 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion: 82 Resp: 448434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.9 | 37.0 | 55.6 |
| 54 | 49.1 | 39.0 | 58.4 |



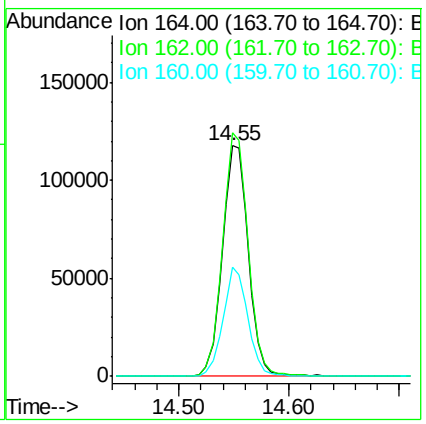


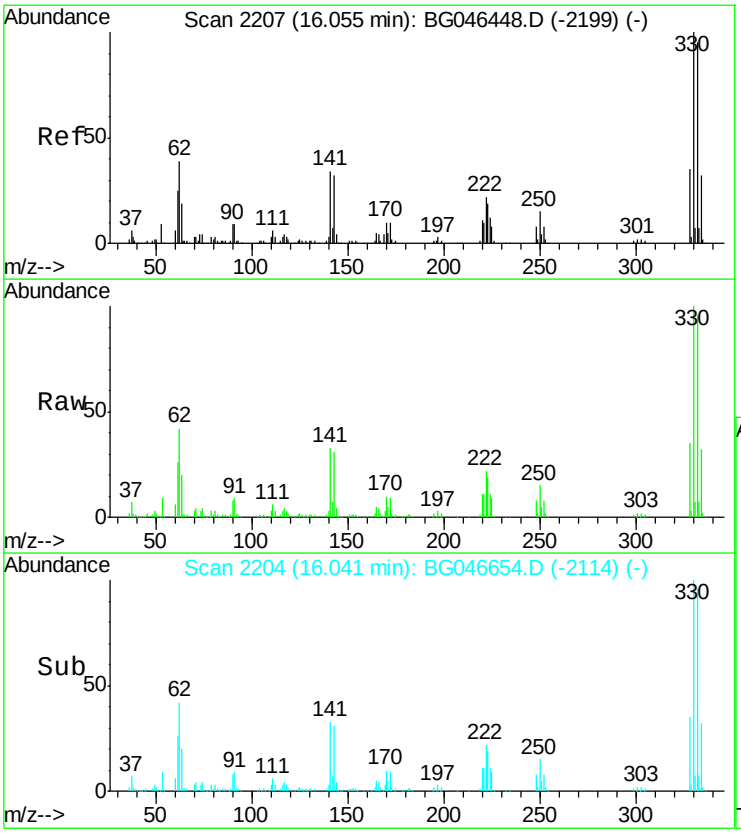

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:164 Resp: 193349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.6 | 82.3 | 123.5 |
| 160 | 47.2 | 35.3 | 52.9 |

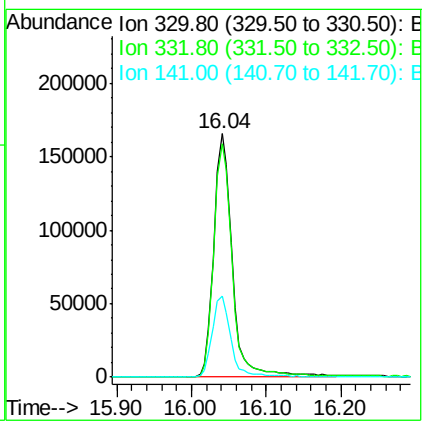


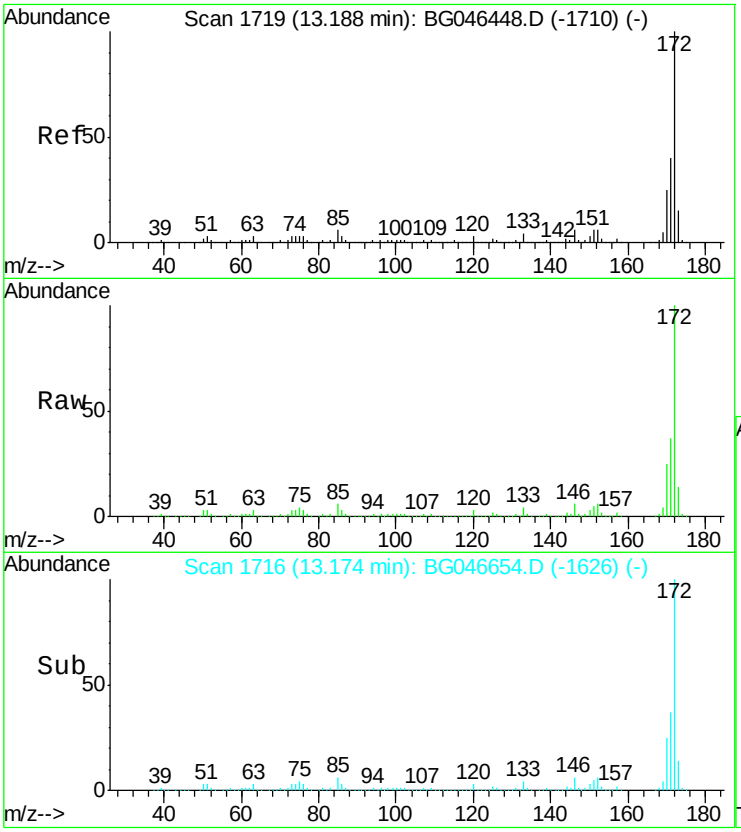




#42
2,4,6-Tribromophenol
Concen: 108.981 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:330 Resp: 285502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 76.5 | 114.7 |
| 141 | 33.5 | 26.0 | 39.0 |



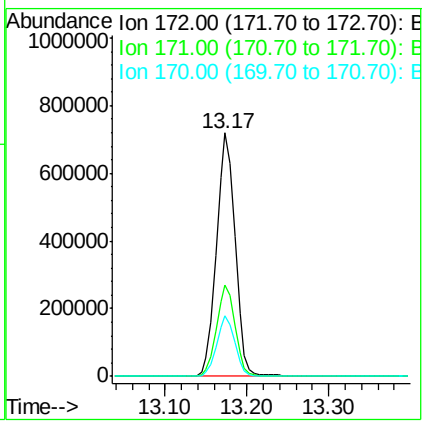


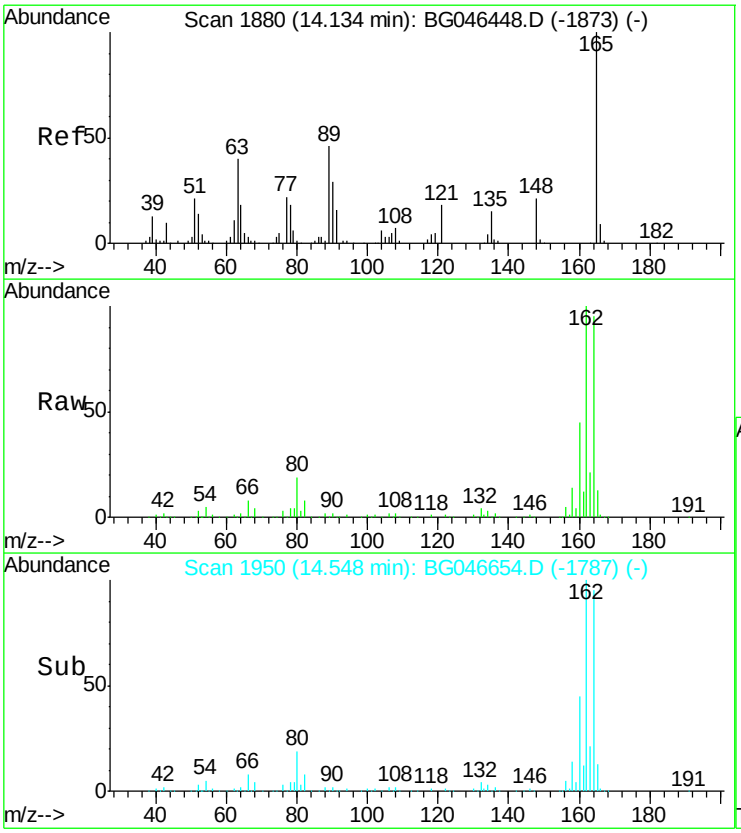

#45
2-Fluorobiphenyl
Concen: 90.714 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:172 Resp: 1148957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.5 | 31.3 | 46.9 |
| 170 | 25.0 | 20.8 | 31.2 |

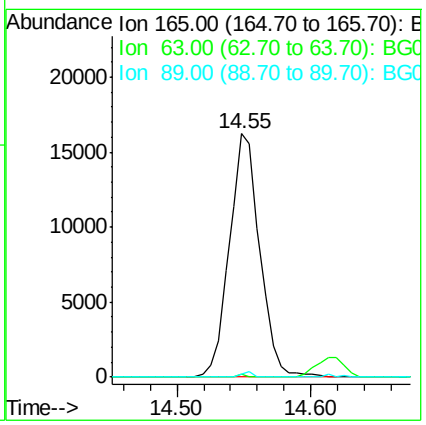


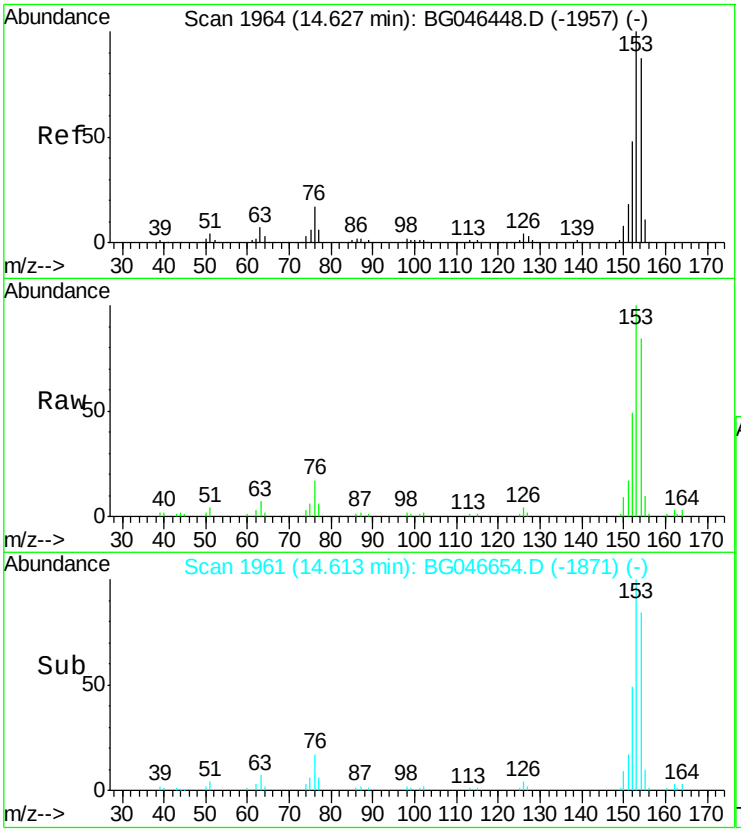




#51
2,6-Dinitrotoluene
Concen: 7.793 ng
RT: 14.55 min Scan# 1950
Delta R.T. 0.43 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:165 Resp: 25695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 33.7 | 50.5# |
| 89 | 1.2 | 36.6 | 54.8# |



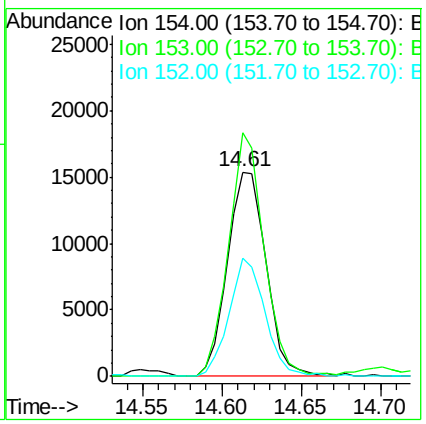


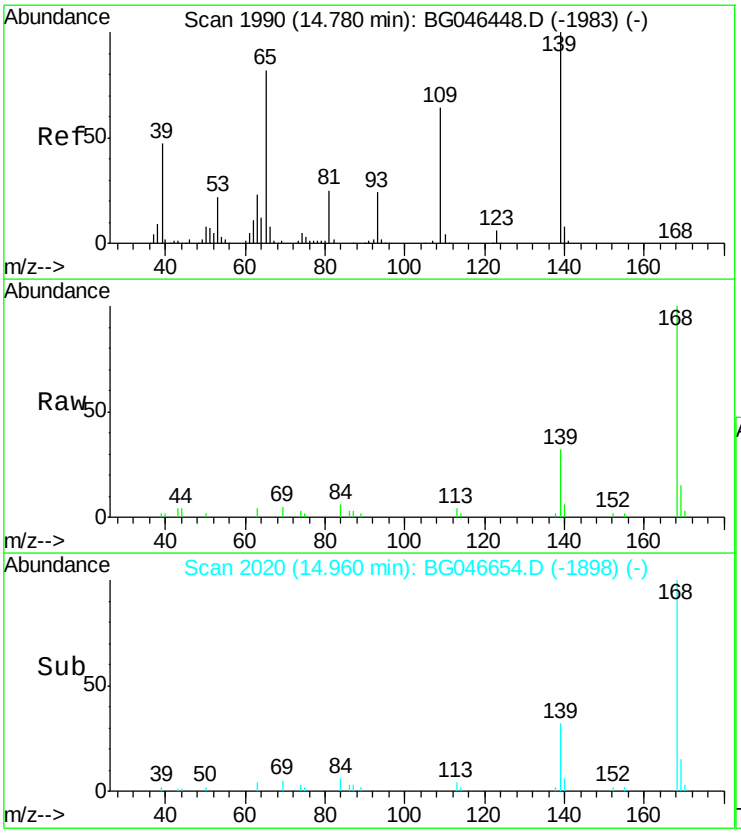

#52
Acenaphthene
Concen: 2.414 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:154 Resp: 25877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 119.2 | 90.3 | 135.5 |
| 152 | 58.0 | 43.8 | 65.8 |

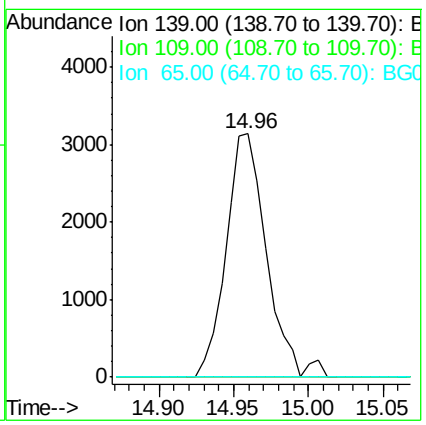


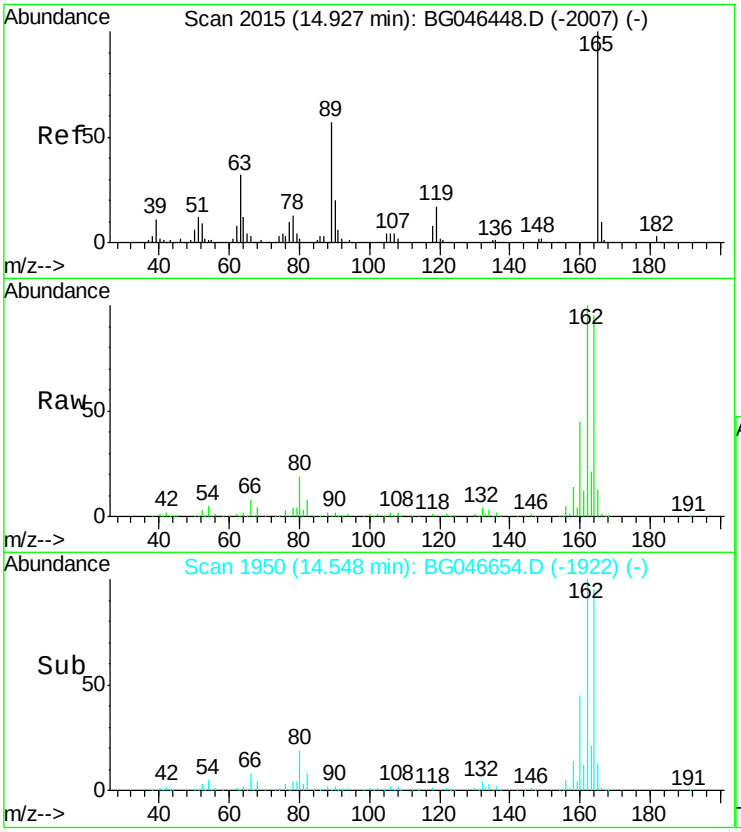




#56
4-Nitrophenol
Concen: 2.255 ng
RT: 14.96 min Scan# 2020
Delta R.T. 0.18 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:139 Resp: 5928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 45.9 | 85.9# |
| 65 | 0.0 | 65.4 | 105.4# |



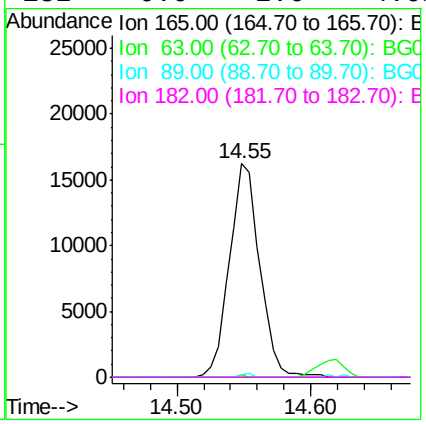


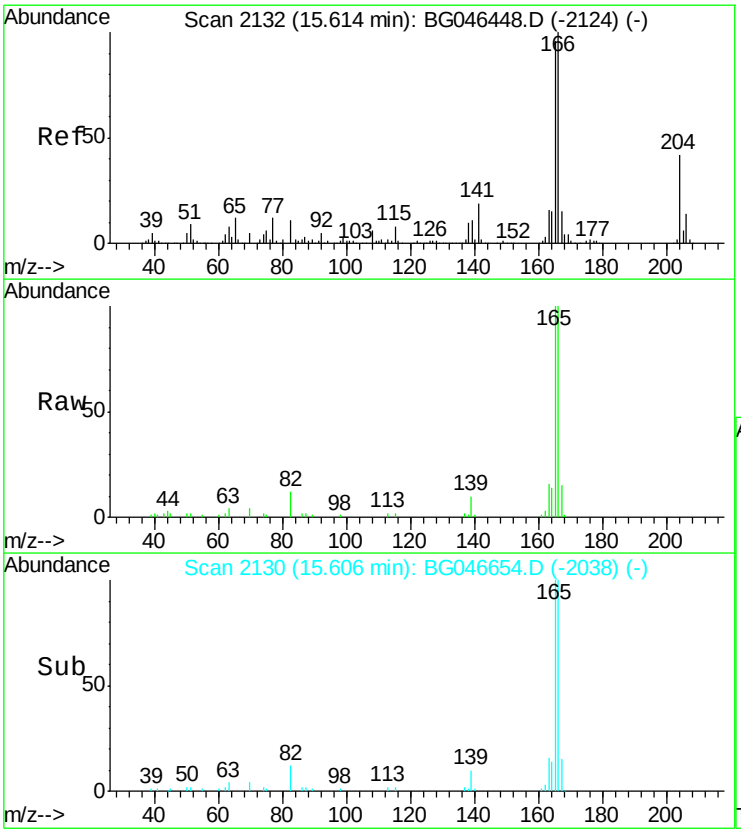

#57
2,4-Dinitrotoluene
Concen: 5.465 ng
RT: 14.55 min Scan# 1950
Delta R.T. -0.37 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:165 Resp: 25695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 26.4 | 39.6# |
| 89 | 1.2 | 47.8 | 71.8# |
| 182 | 0.0 | 2.6 | 4.0# |

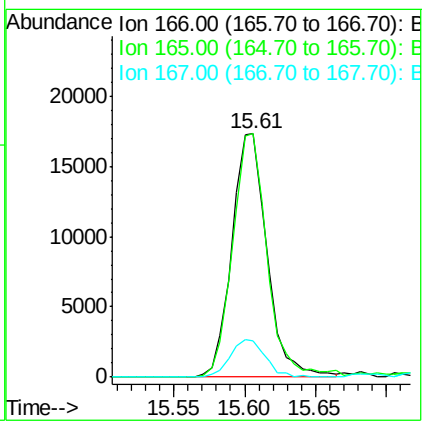


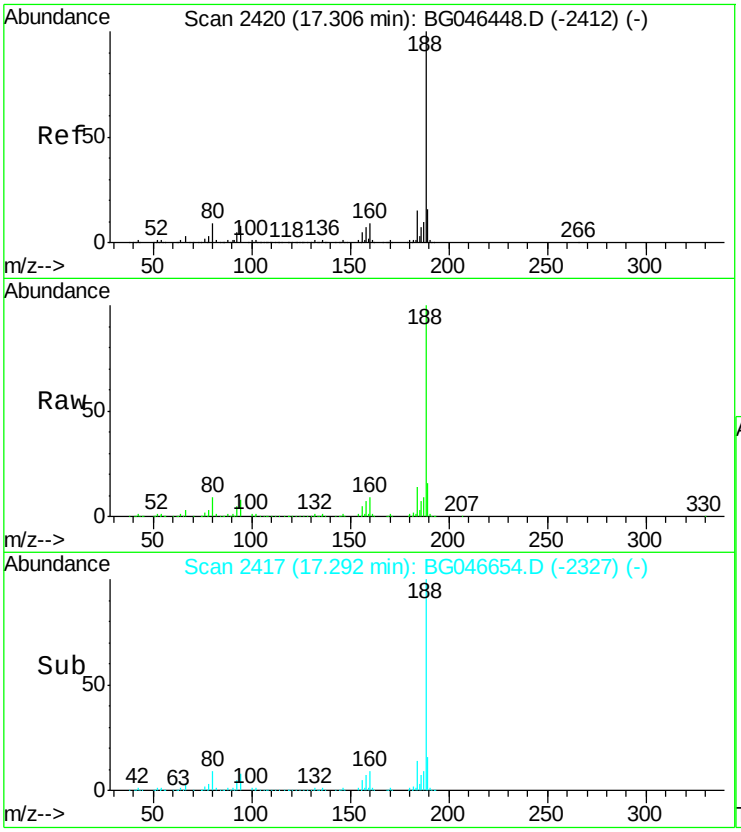




#58
Fluorene
Concen: 2.084 ng
RT: 15.61 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:166 Resp: 30100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.1 | 77.2 | 115.8 |
| 167 | 14.8 | 11.4 | 17.2 |



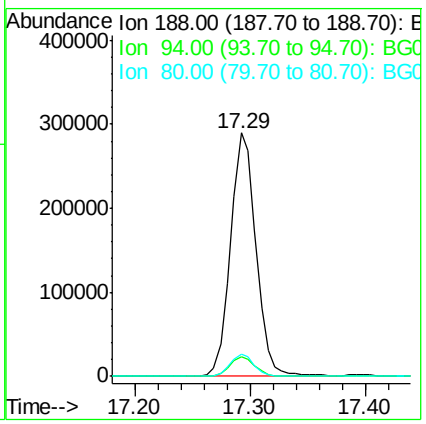


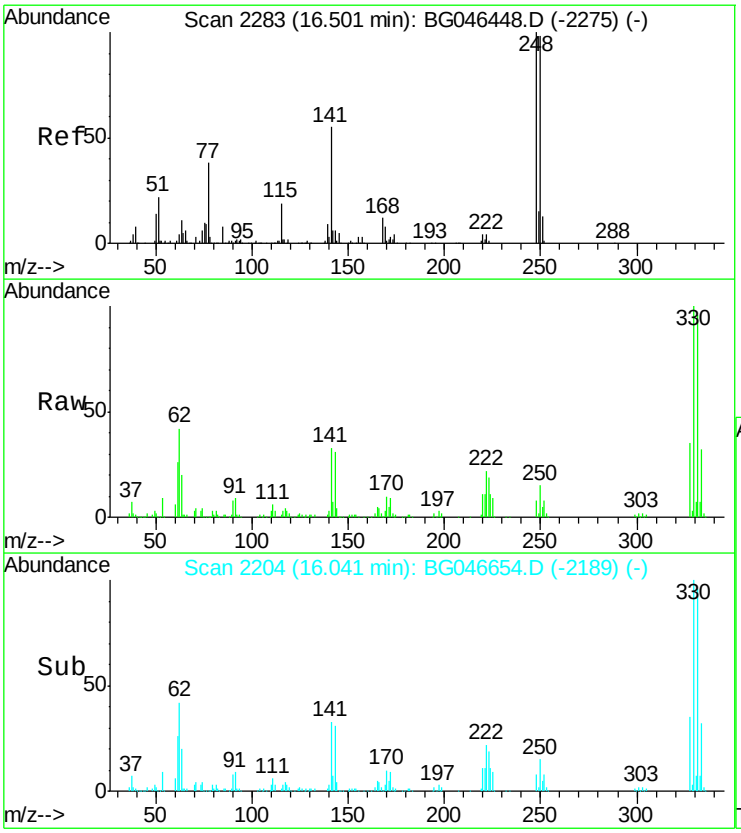

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2417
Delta R.T. -0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:188 Resp: 441351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.3 | 9.5 |
| 80 | 8.9 | 7.0 | 10.6 |

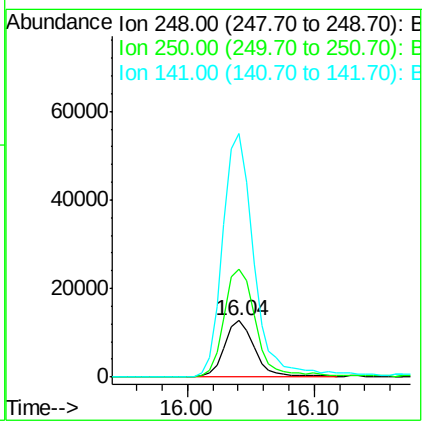


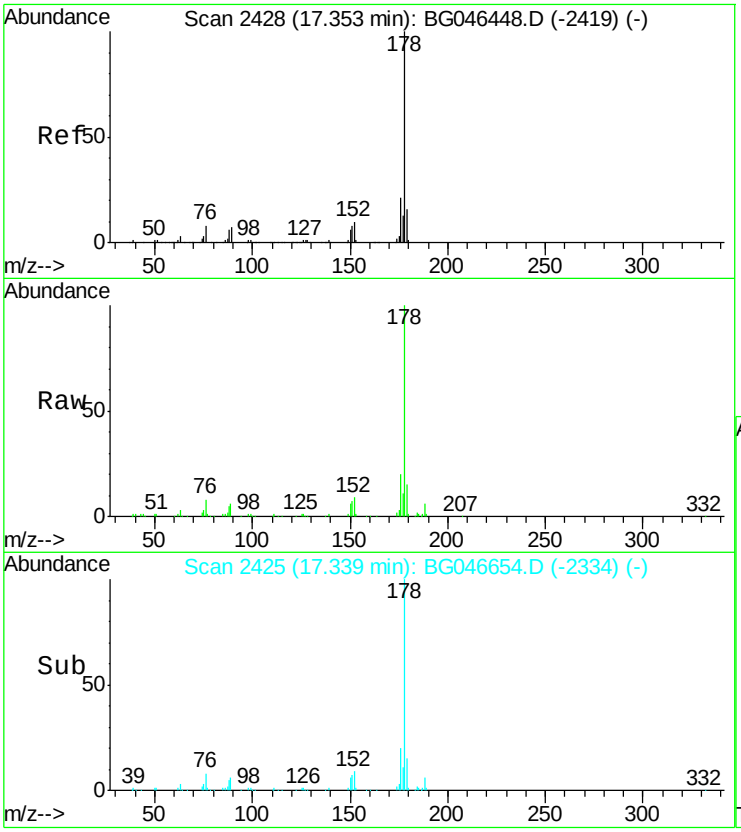




#67
4-Bromophenyl-phenylether
Concen: 4.110 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.44 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:248 Resp: 21165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 191.2 | 78.9 | 118.3# |
| 141 | 430.1 | 46.2 | 69.4# |



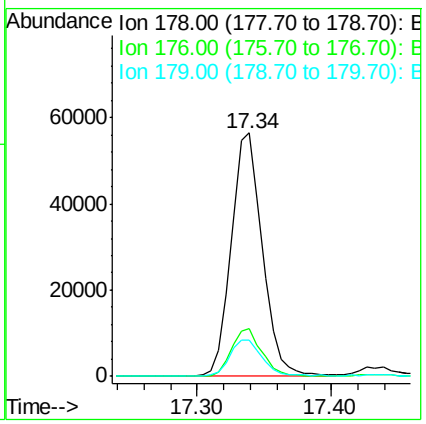


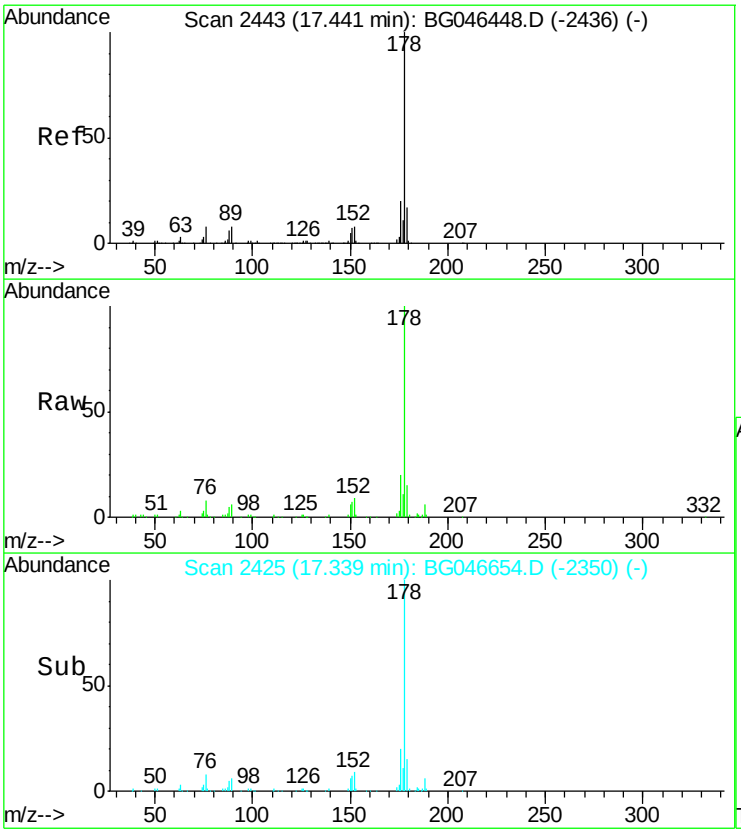

#71
Phenanthrene
Concen: 4.100 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:178 Resp: 91719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 16.7 | 25.1 |
| 179 | 14.8 | 14.0 | 21.0 |

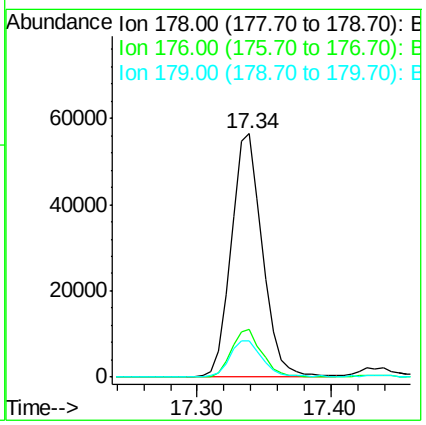


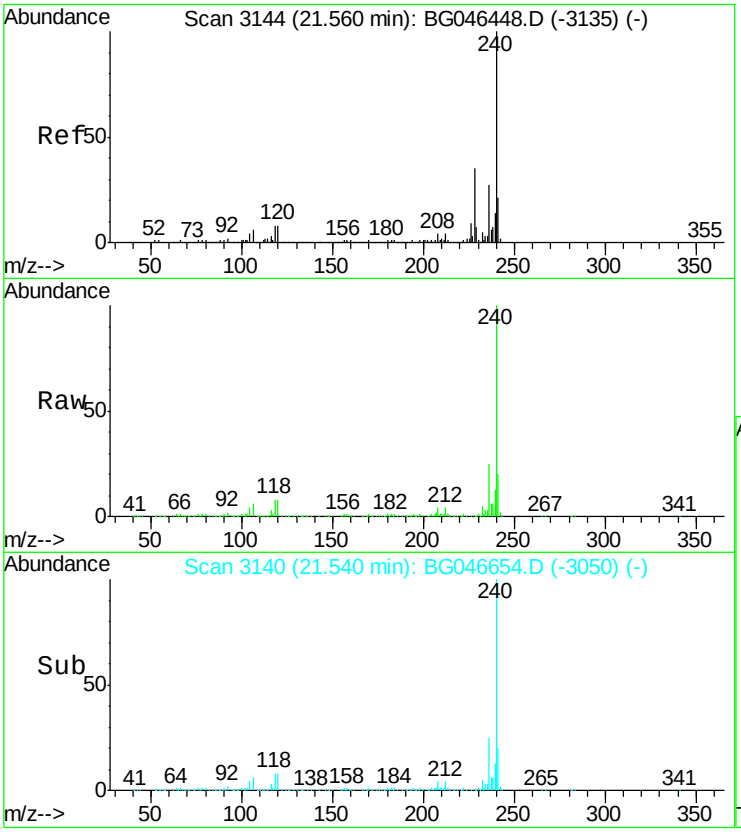




#72
Anthracene
Concen: 4.156 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.09 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:178 Resp: 91719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 16.4 | 24.6 |
| 179 | 14.8 | 13.8 | 20.6 |



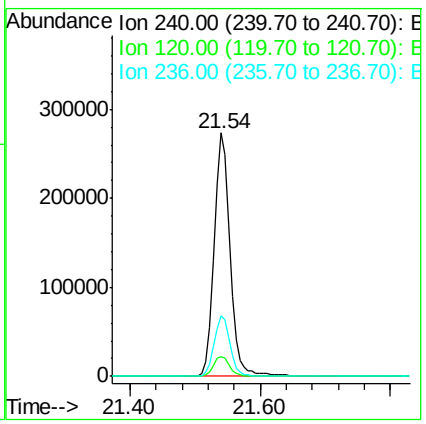


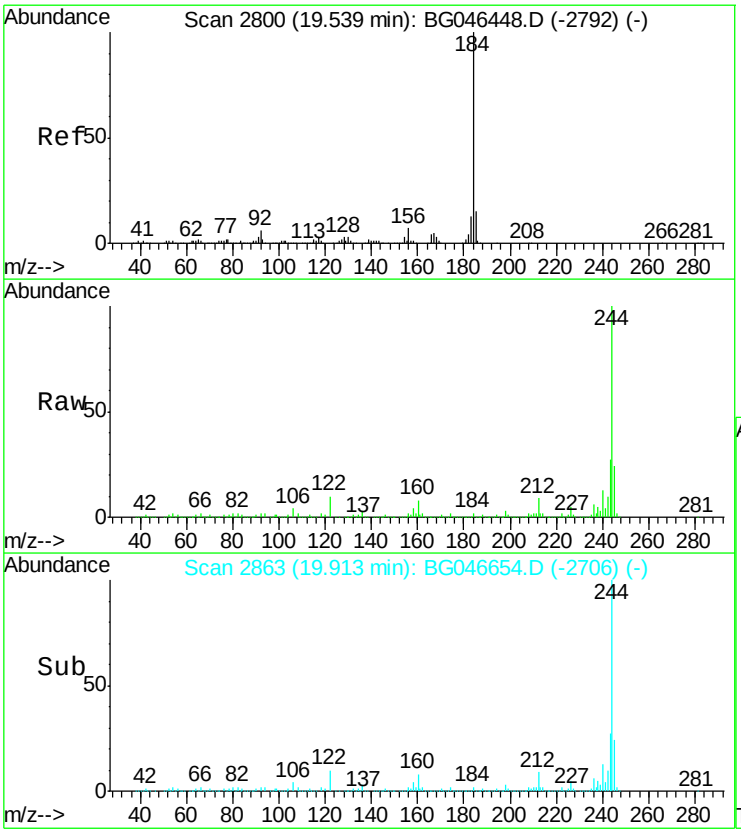

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:240 Resp: 464284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.2 | 6.2 | 9.4 |
| 236 | 25.0 | 20.5 | 30.7 |

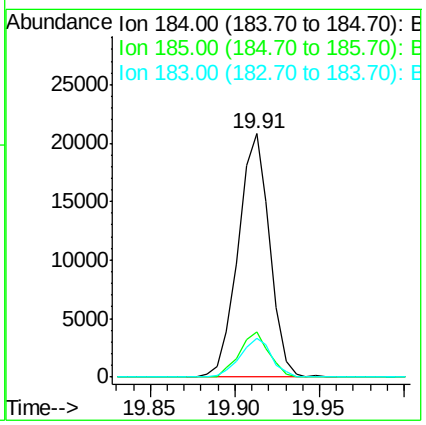


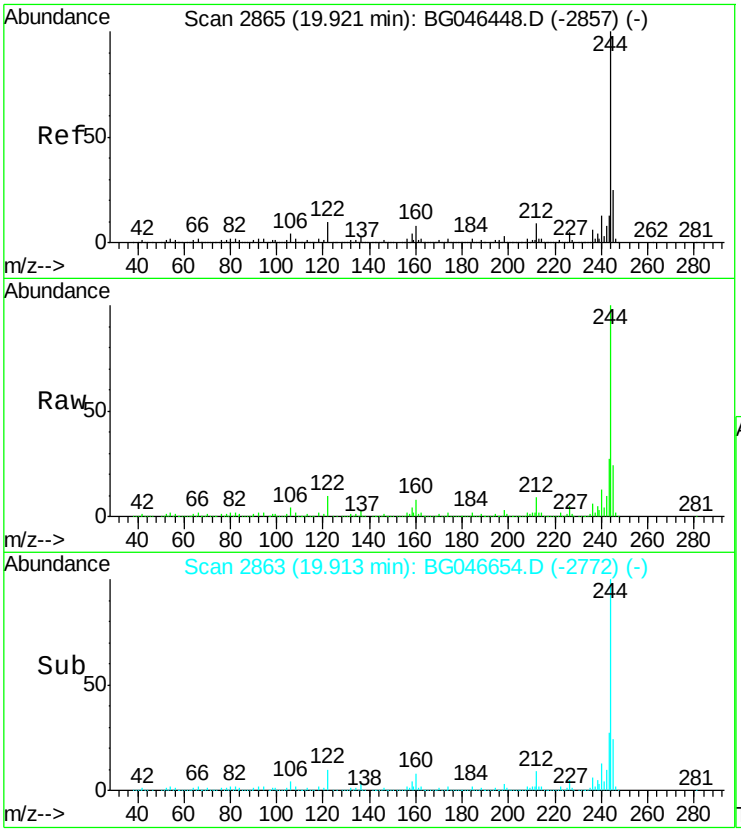




#77
Benzidine
Concen: 2.502 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.39 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:184 Resp: 26990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.3 | 12.4 | 18.6 |
| 183 | 15.9 | 10.6 | 15.8# |



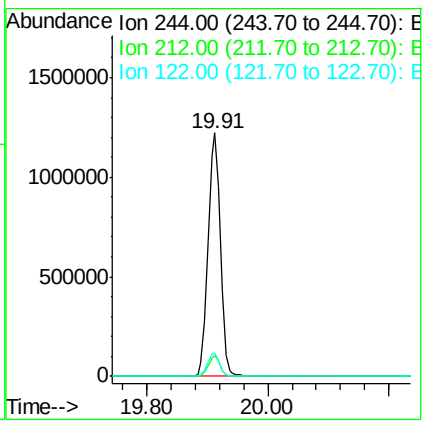


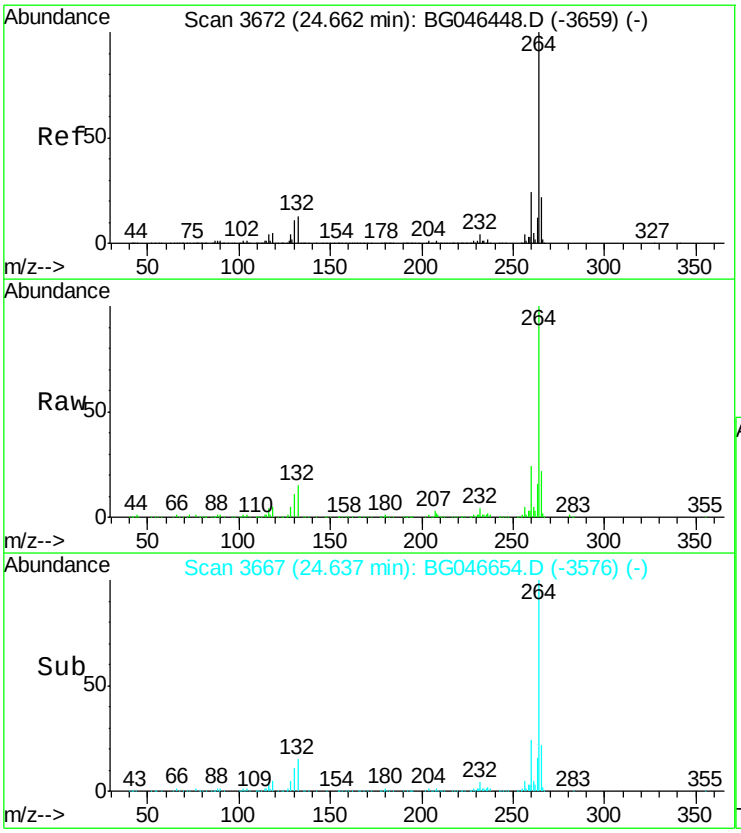

#79
Terphenyl-d14
Concen: 80.070 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

**Instrument :**
BNA_G
**ClientSampleId :**
VNJ-229

Tgt Ion:244 Resp: 1746802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.8 | 6.7 | 10.1 |
| 122 | 9.7 | 7.8 | 11.6 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3667
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:264 Resp: 448943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 18.8 | 28.2 |
| 265 | 21.8 | 17.8 | 26.8 |