Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\

Quantitation Report (Not Reviewed)

Data File : BG044121.D
Acq On : 21 Jan 2020 6:55
Operator : JU
Sample : L1176-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-5

Quant Time: Jan 21 07:42:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 82706 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.73 | 136 | 366805 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.56 | 164 | 256962 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.31 | 188 | 537242 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 21.56 | 240 | 458592 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.66 | 264 | 510023 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 690550 | 153.31 | ng | | -0.03 |
| 7) Phenol-d6 | 7.10 | 99 | 995887 | 158.17 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.09 | 82 | 574809 | 83.83 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.06 | 330 | 394436 | 146.68 | ng | | -0.03 |
| 45) 2-Fluorobiphenyl | 13.19 | 172 | 1340835 | 94.54 | ng | | -0.03 |
| 79) Terphenyl-d14 | 19.92 | 244 | 1902749 | 106.69 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 7.13 | 94 | 38942 | 6.003 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 9.09 | 70 | 74462 | 15.880 | ng | # | 79 |
| 50) Dimethylphthalate | 14.02 | 163 | 156022 | 8.551 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.56 | 165 | 33334 | 5.940 | ng | # | 27 |
| 65) 4,6-Dinitro-2-methylphenol | 16.05 | 198 | 1448 | 4.865 | ng | # | 1 |
| 67) 4-Bromophenyl-phenylether | 16.06 | 248 | 28335 | 4.689 | ng | # | 1 |
| 77) Benzidine | 19.93 | 184 | 33487 | 2.905 | ng | # | 94 |

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

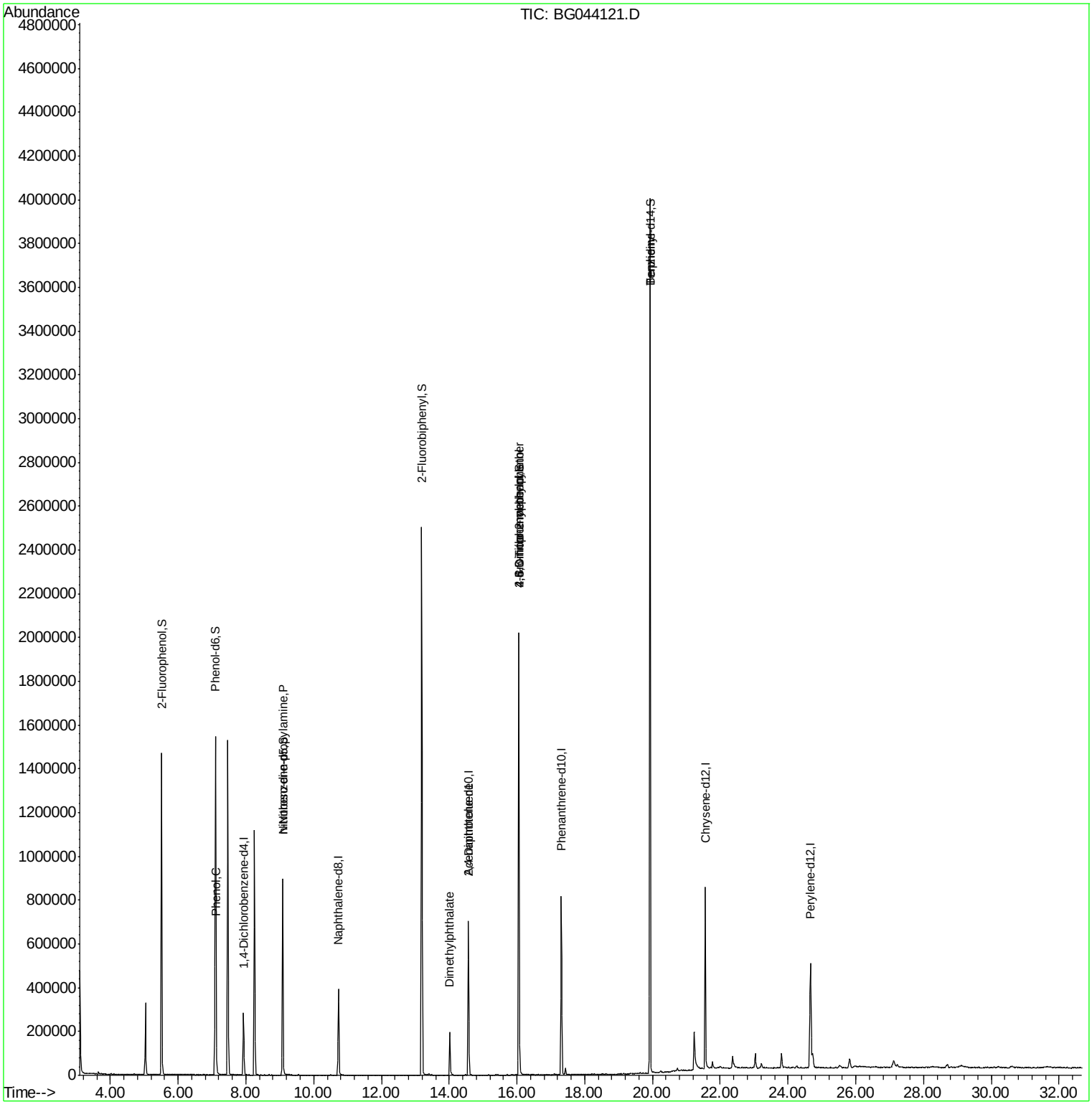
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\

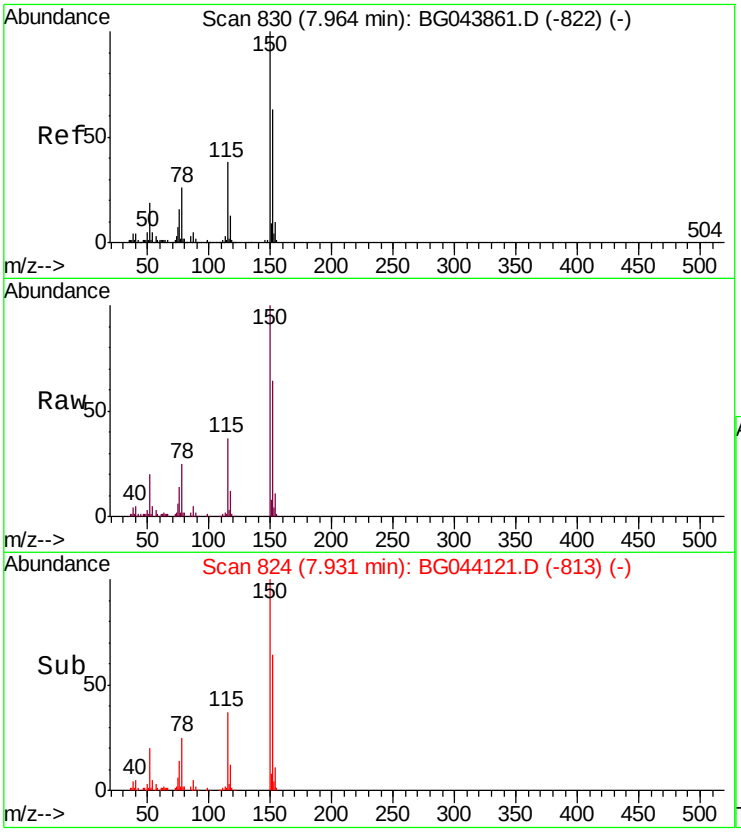
Quantitation Report (Not Reviewed)

Data File : BG044121.D
Acq On : 21 Jan 2020 6:55
Operator : JU
Sample : L1176-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-5

Quant Time: Jan 21 07:42:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration



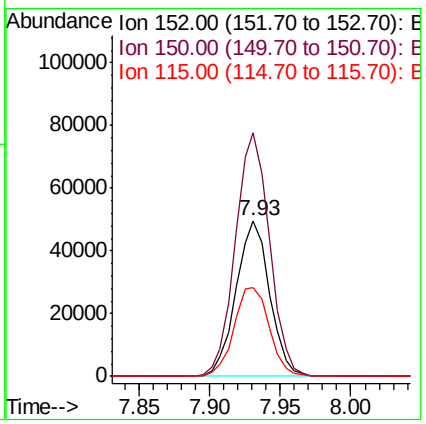


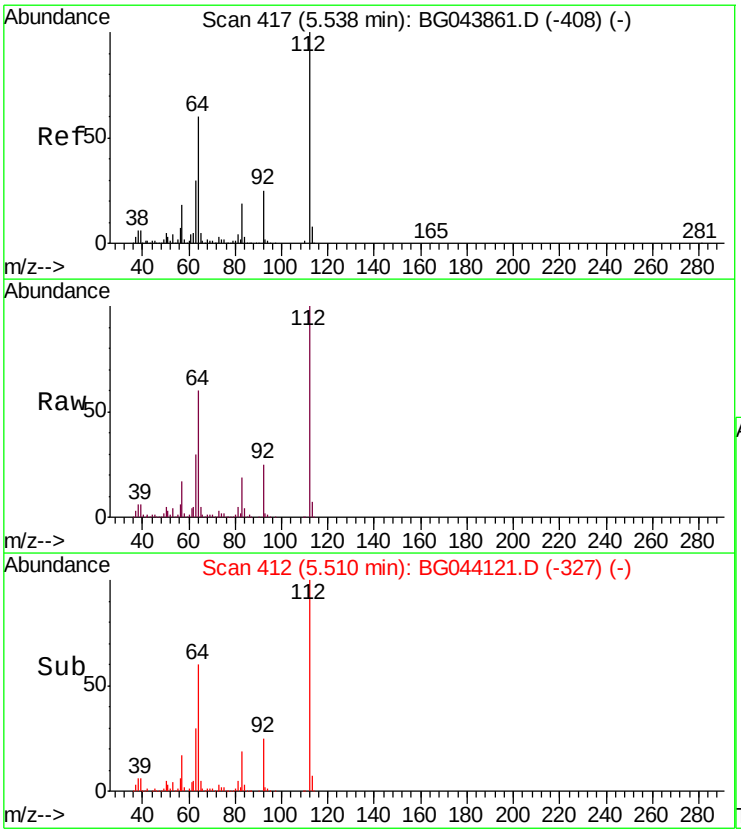

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:152 Resp: 82706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 127.0 | 190.4 |
| 115 | 57.5 | 47.8 | 71.8 |

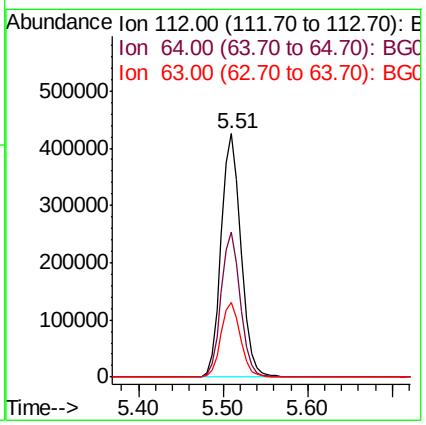


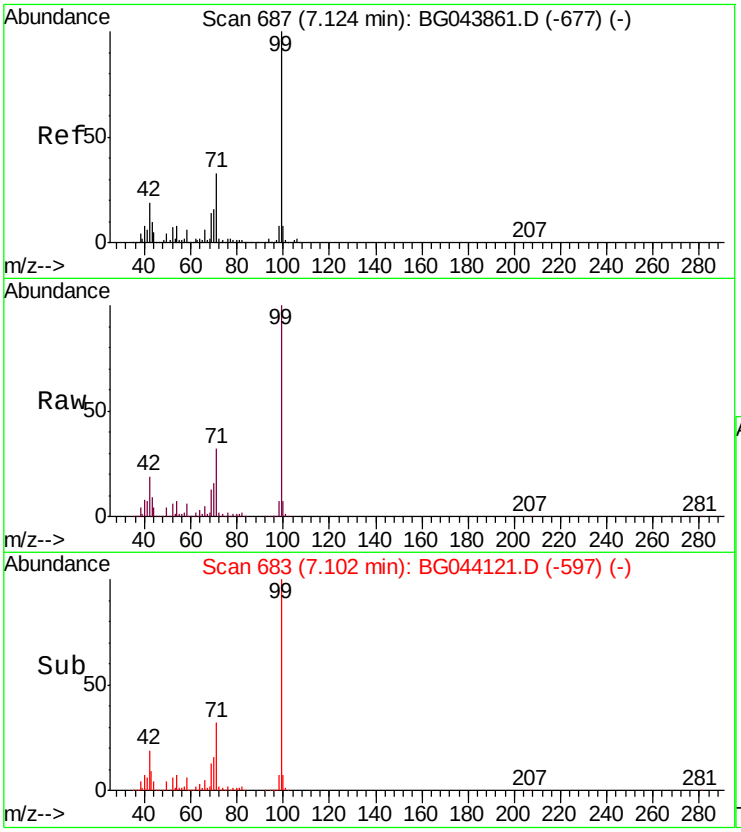




#5
2-Fluorophenol
Concen: 153.306 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:112 Resp: 690550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.6 | 47.8 | 71.6 |
| 63 | 30.4 | 24.3 | 36.5 |



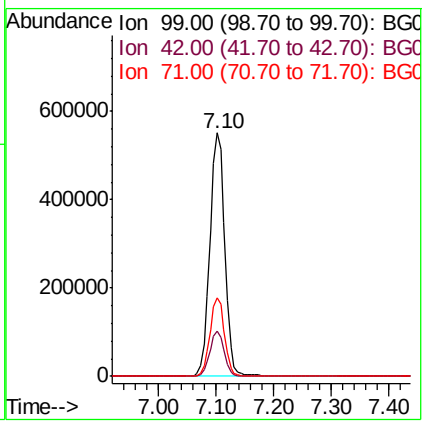


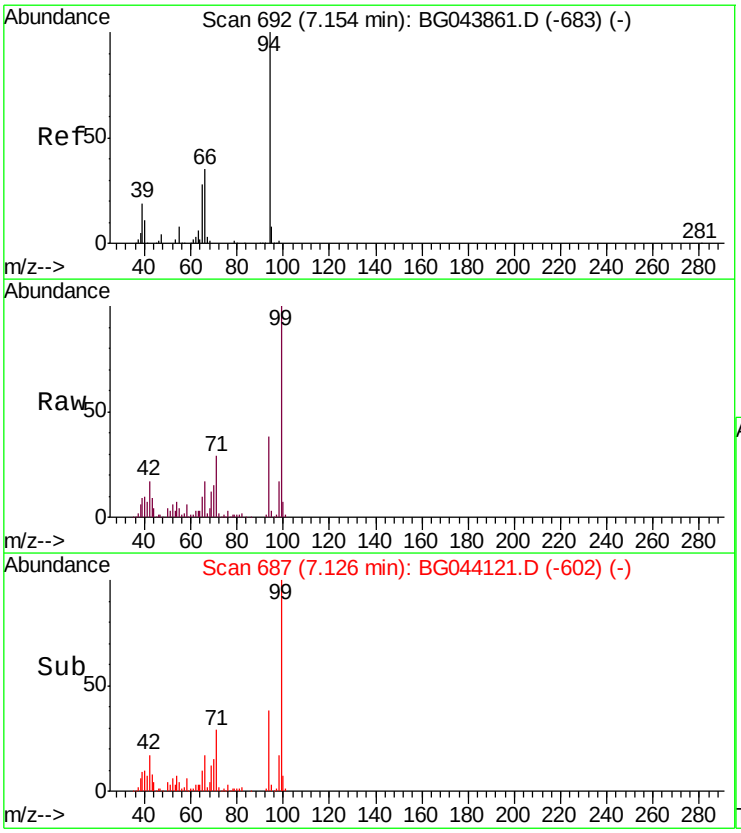

#7
Phenol-d6
Concen: 158.170 ng
RT: 7.10 min Scan# 683
Delta R.T. -0.02 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion: 99 Resp: 995887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 14.9 | 22.3 |
| 71 | 32.4 | 26.4 | 39.6 |

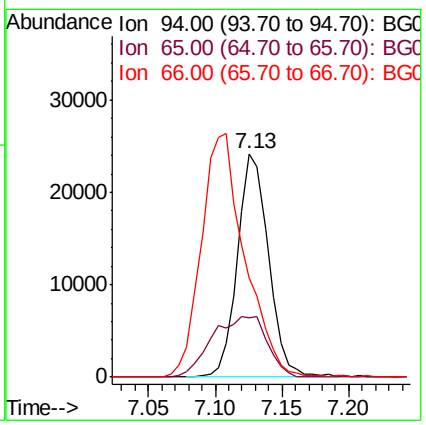


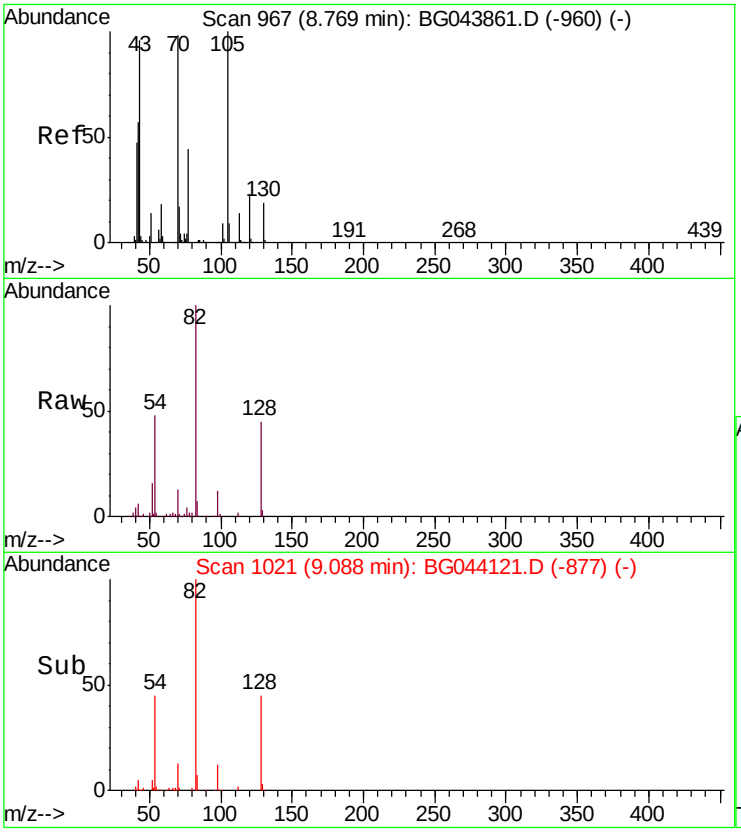




#10
Phenol
Concen: 6.003 ng
RT: 7.13 min Scan# 687
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion: 94 Resp: 38942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 26.4 | 8.1 | 48.1 |
| 66 | 44.4 | 15.6 | 55.6 |



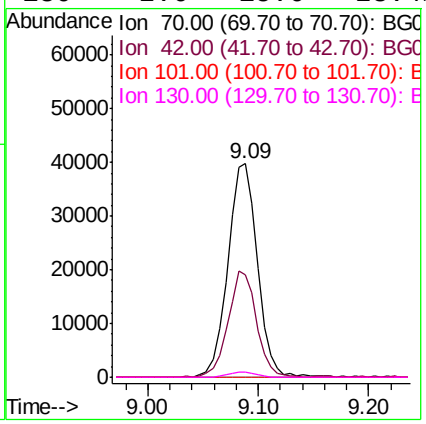


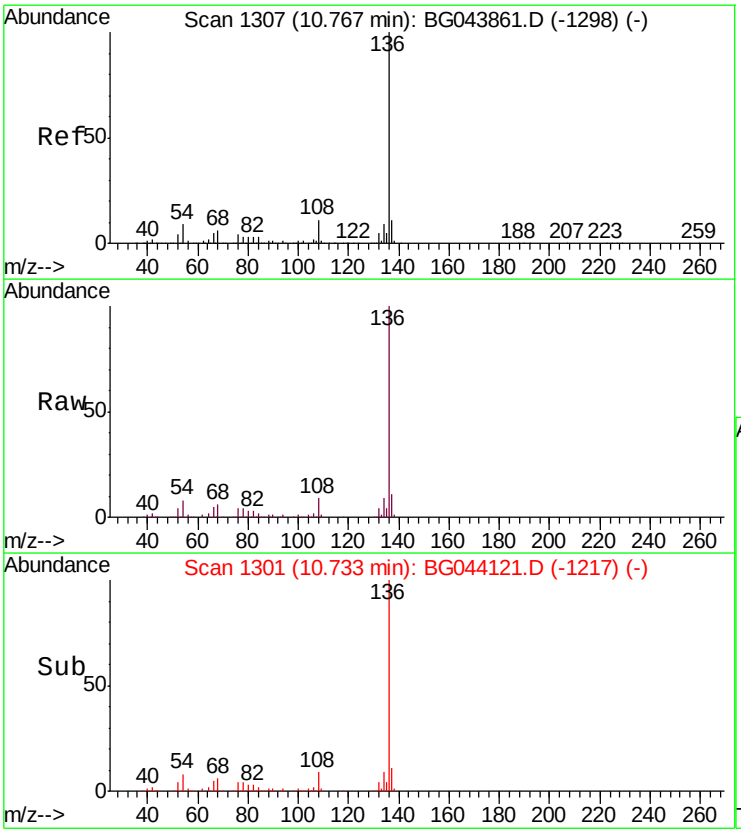

#19
n-Nitroso-di-n-propylamine
Concen: 15.880 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion: 70 Resp: 74462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.7 | 47.0 | 70.4 |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.6 | 15.6 | 23.4# |

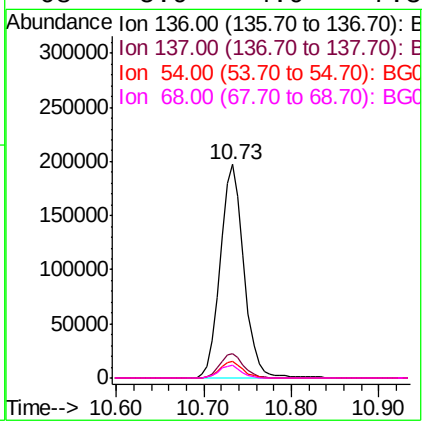


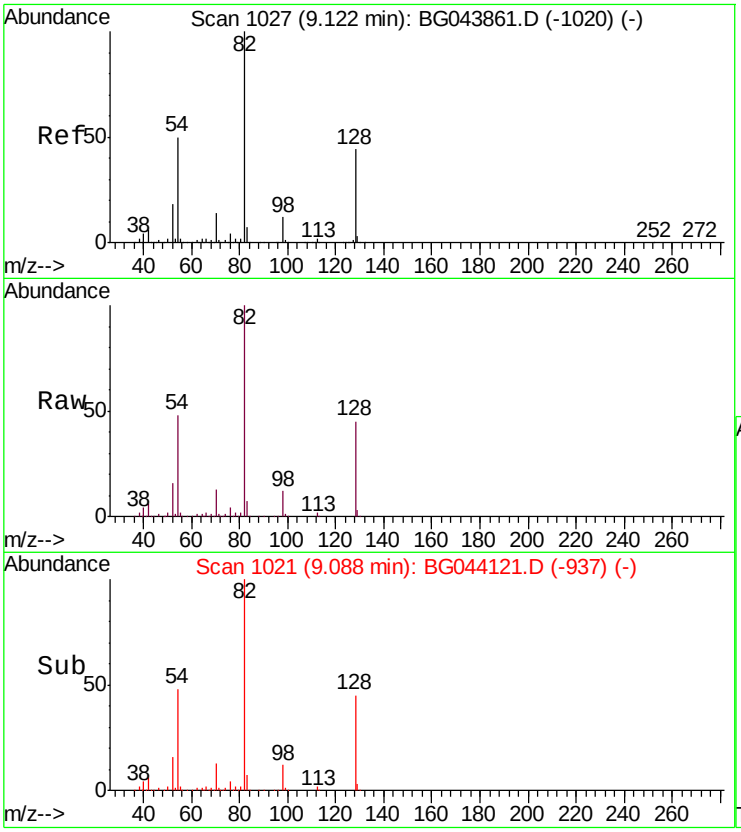




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:136 Resp: 366805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 7.8 | 7.0 | 10.4 |
| 68 | 5.9 | 4.9 | 7.3 |



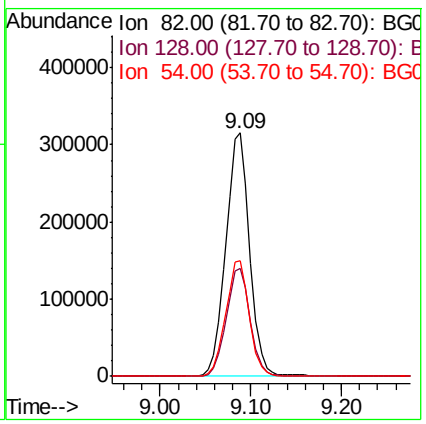


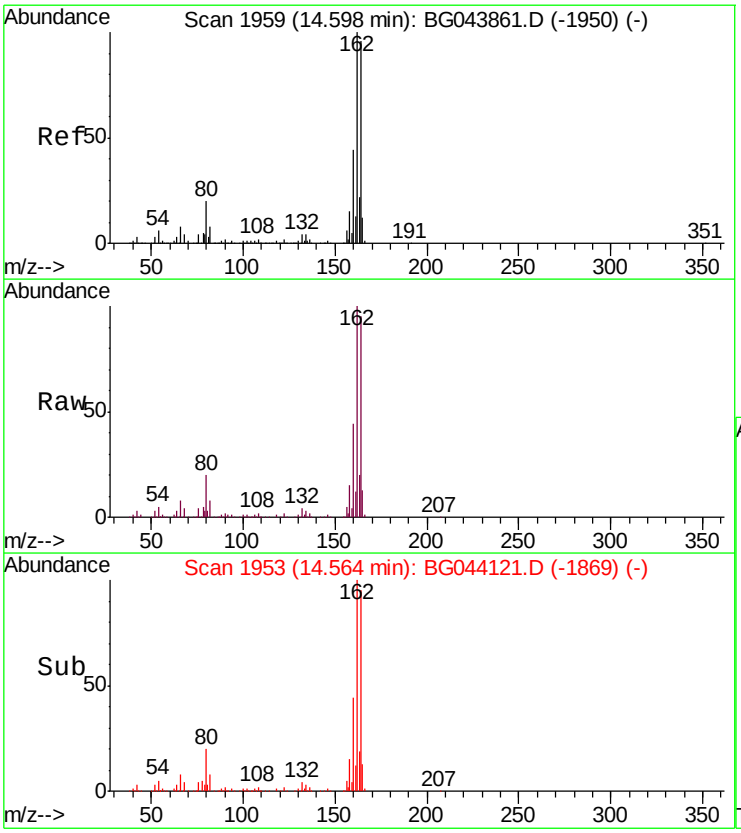

#23
Nitrobenzene-d5
Concen: 83.832 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion: 82 Resp: 574809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 35.1 | 52.7 |
| 54 | 47.7 | 40.1 | 60.1 |

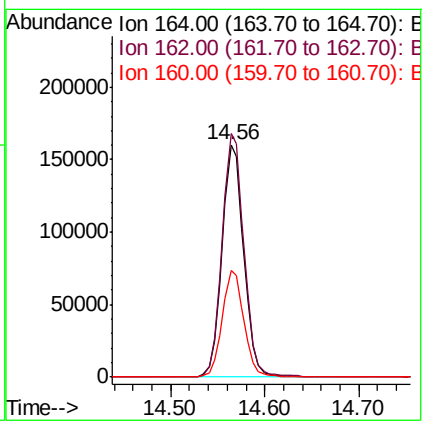


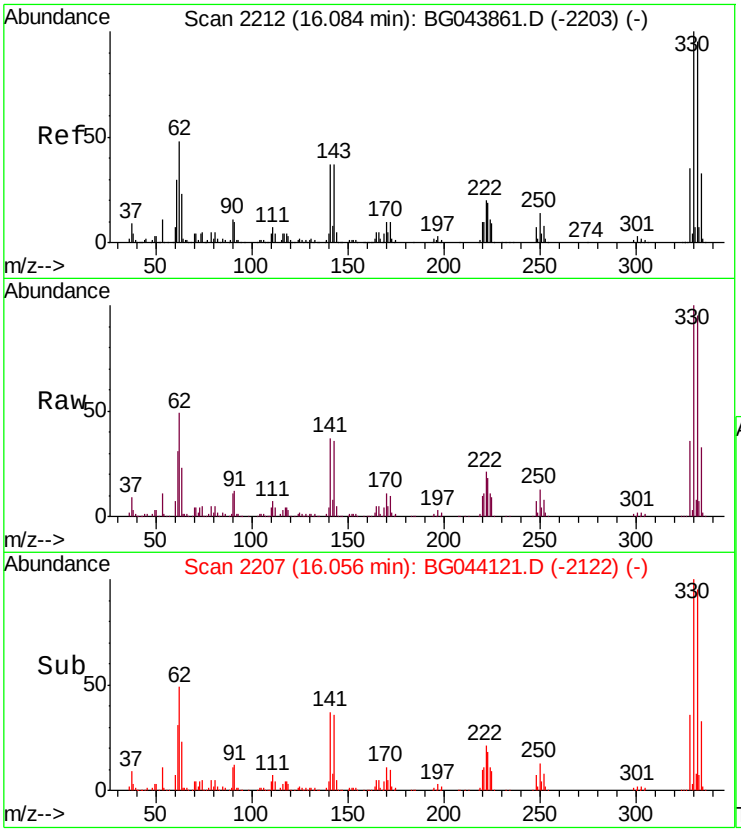




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:164 Resp: 256962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.9 | 83.0 | 124.4 |
| 160 | 46.0 | 36.1 | 54.1 |



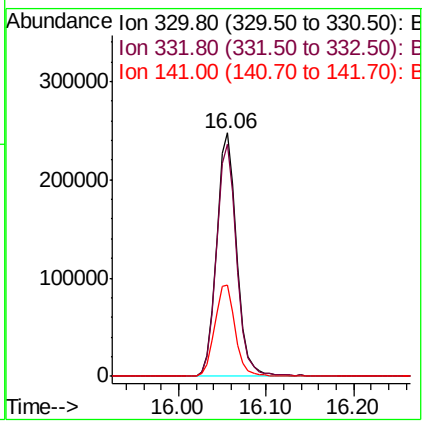


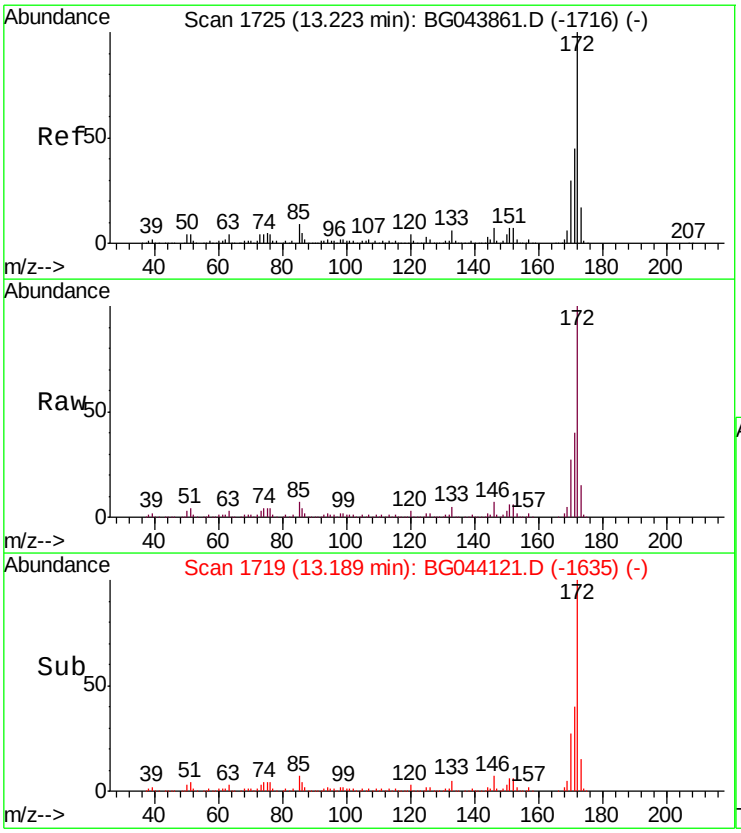

#42
2,4,6-Tribromophenol
Concen: 146.682 ng
RT: 16.06 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:330 Resp: 394436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 77.2 | 115.8 |
| 141 | 38.6 | 33.1 | 49.7 |

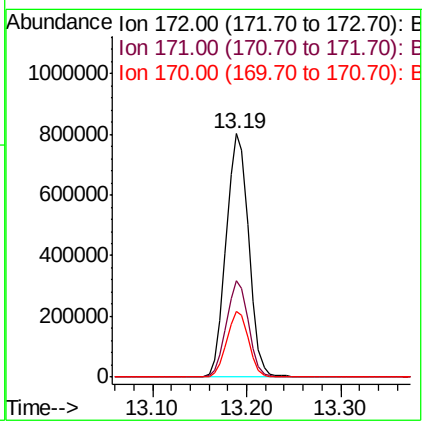


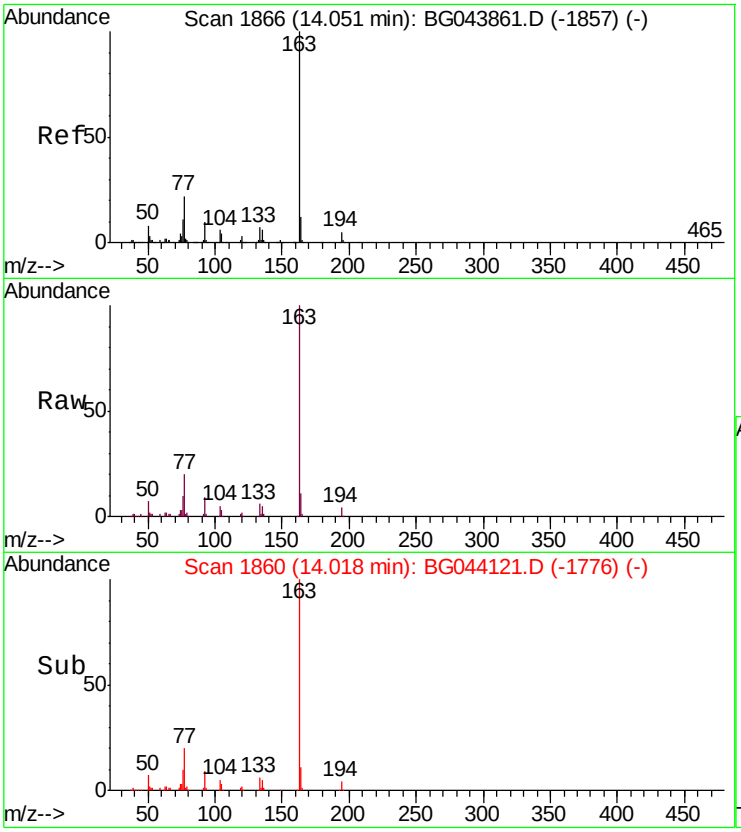




#45
2-Fluorobiphenyl
Concen: 94.539 ng
RT: 13.19 min Scan# 1719
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:172 Resp: 1340835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.5 | 35.8 | 53.8 |
| 170 | 26.8 | 24.2 | 36.4 |



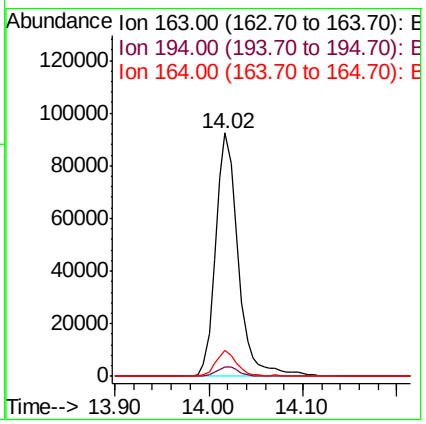


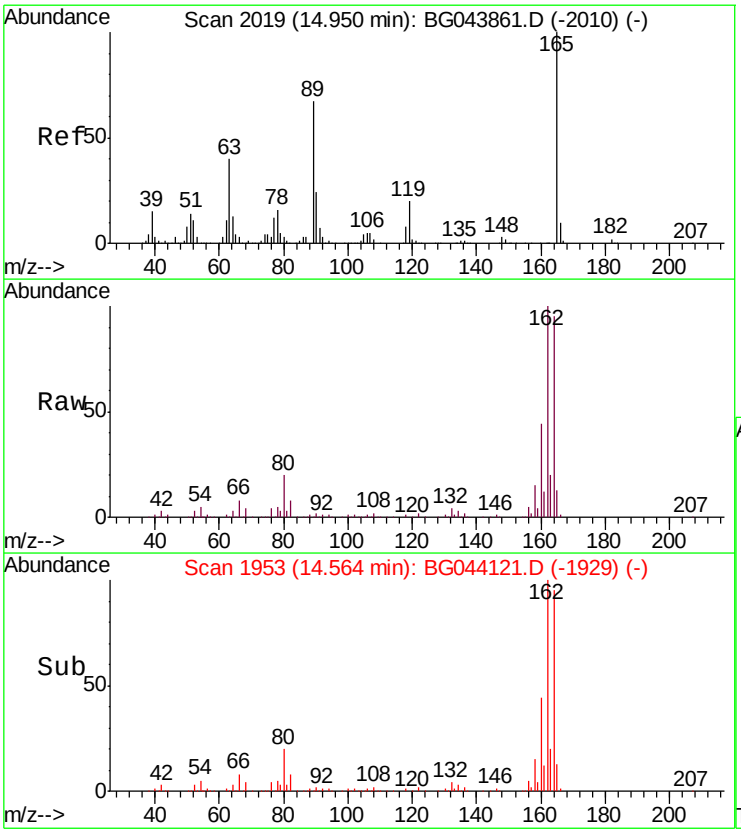

#50
Dimethylphthalate
Concen: 8.551 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:163 Resp: 156022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.7 | 5.5 |
| 164 | 10.8 | 9.3 | 13.9 |

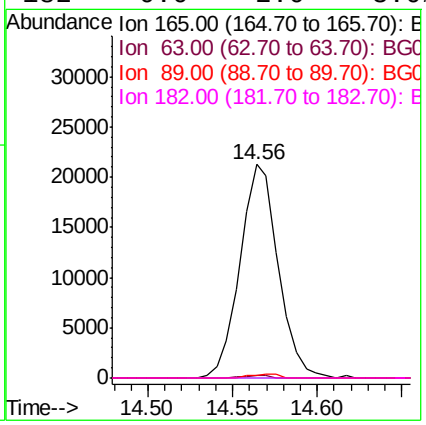


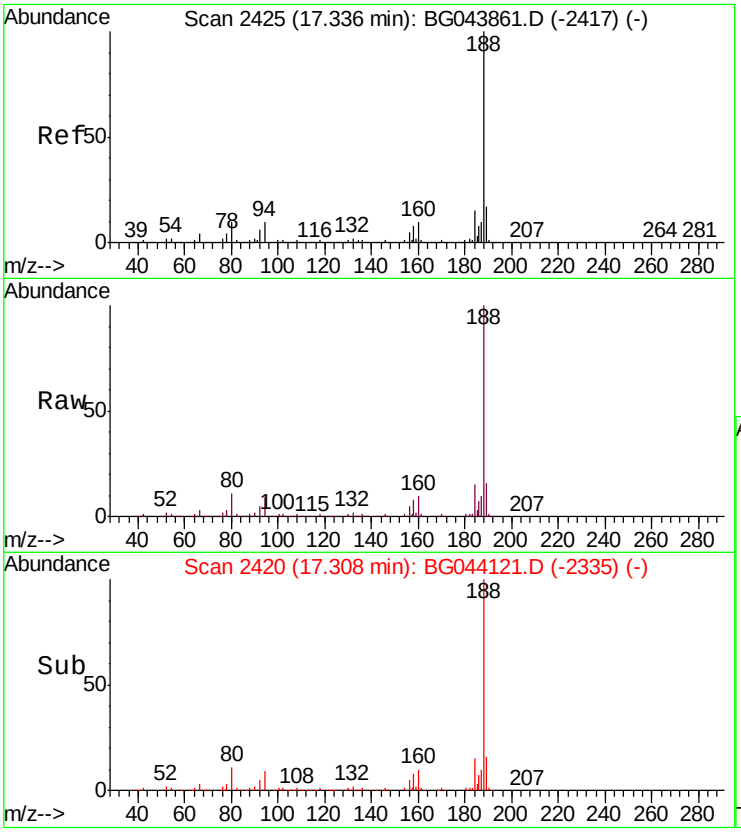




#57
2,4-Dinitrotoluene
Concen: 5.940 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.39 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:165 Resp: 33334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 31.9 | 47.9# |
| 89 | 1.3 | 53.8 | 80.6# |
| 182 | 0.0 | 2.0 | 3.0# |



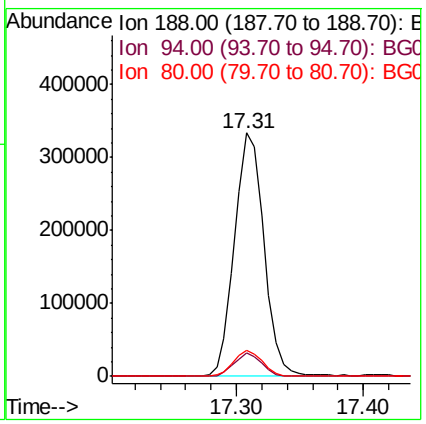


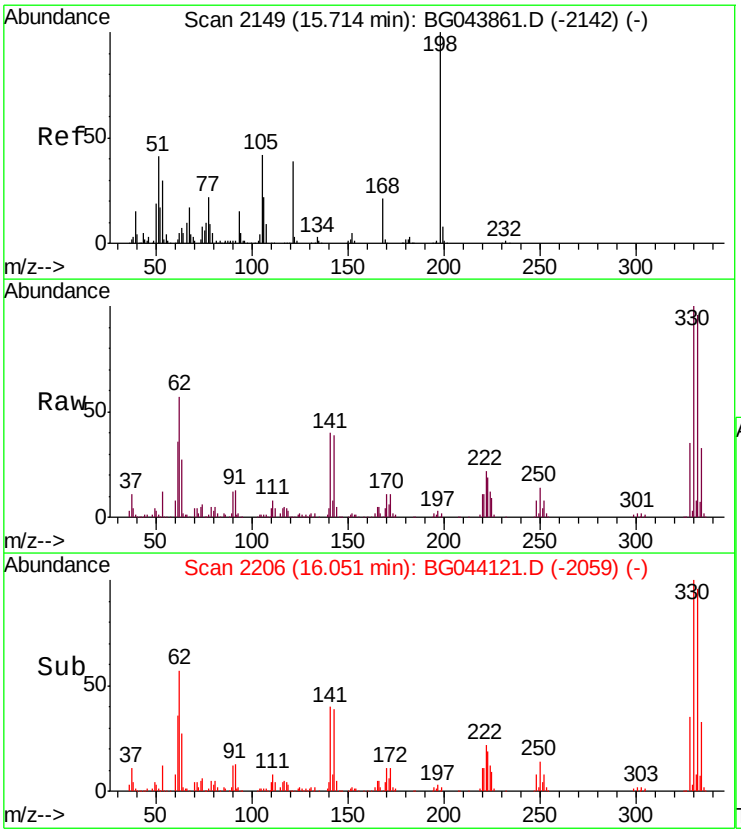

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2420
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:188 Resp: 537242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.4 | 7.9 | 11.9 |
| 80 | 10.6 | 8.2 | 12.4 |

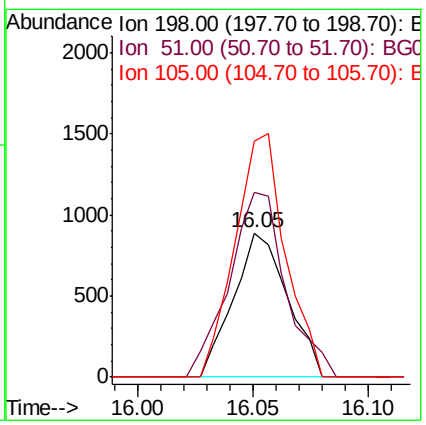


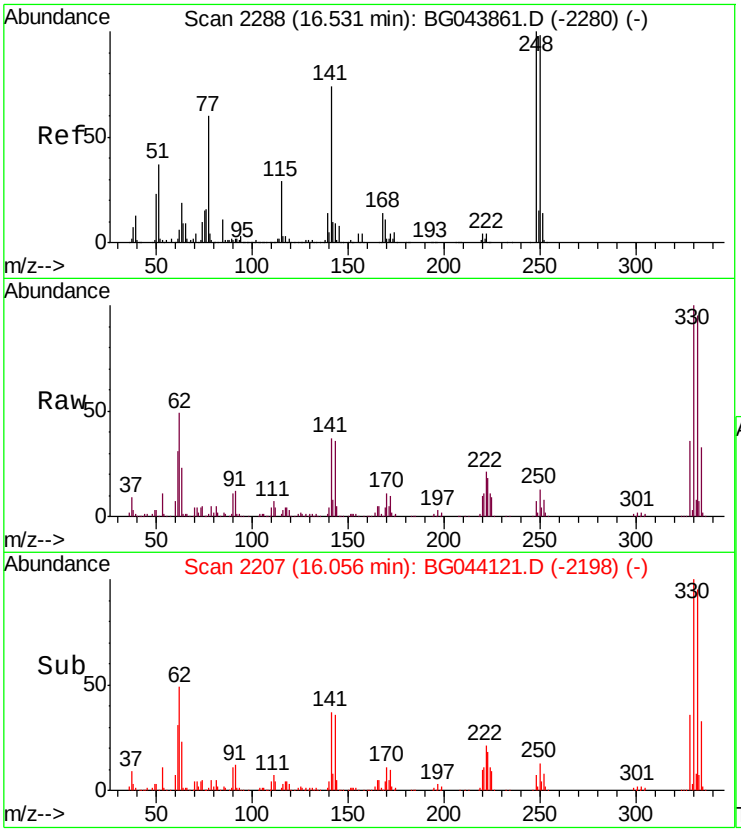




#65
4,6-Dinitro-2-methylphenol
Concen: 4.865 ng
RT: 16.05 min Scan# 2206
Delta R.T. 0.34 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:198 Resp: 1448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 128.1 | 22.5 | 62.5# |
| 105 | 163.3 | 22.3 | 62.3# |



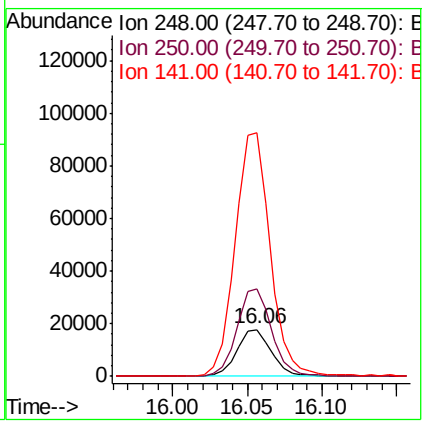


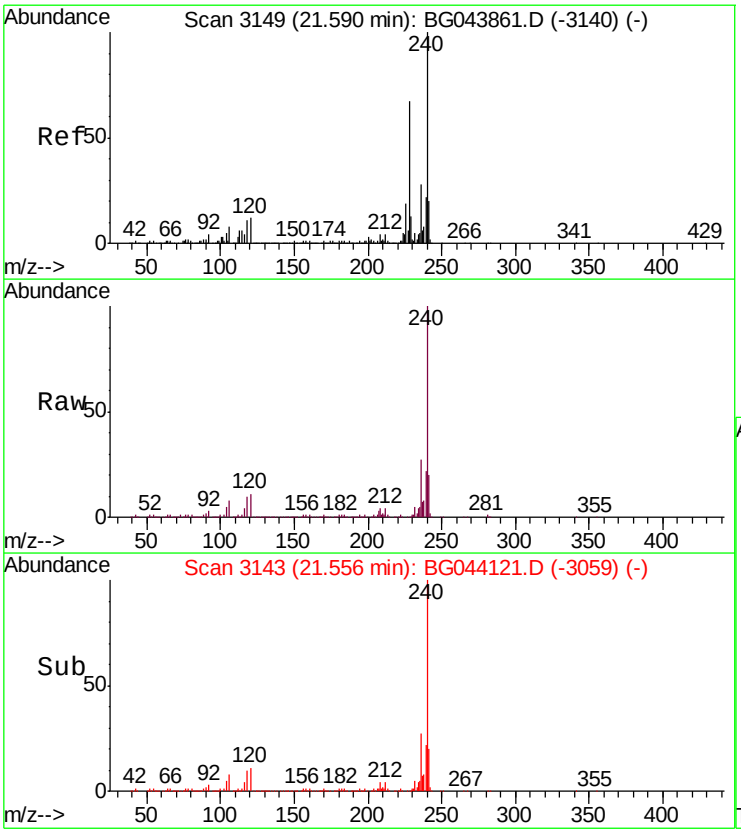

#67
4-Bromophenyl-phenylether
Concen: 4.689 ng
RT: 16.06 min Scan# 2207
Delta R.T. -0.47 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:248 Resp: 28335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 187.5 | 78.2 | 117.2# |
| 141 | 523.9 | 59.3 | 88.9# |

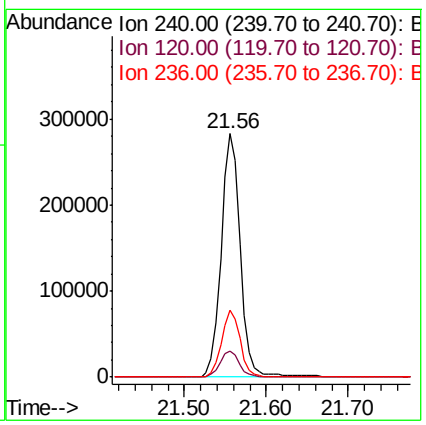


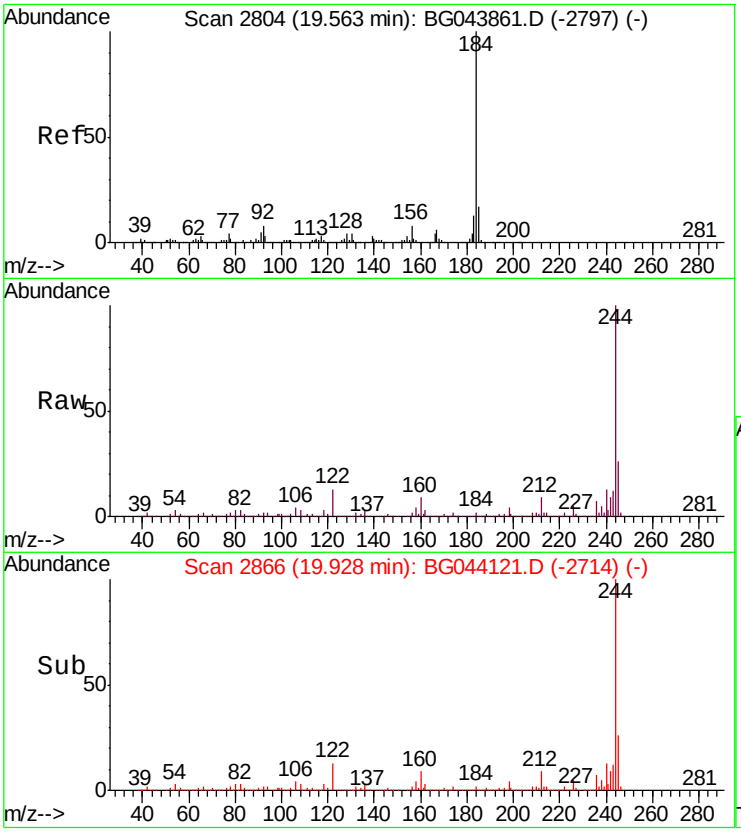




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:240 Resp: 458592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.6 | 14.4 |
| 236 | 27.4 | 22.2 | 33.2 |



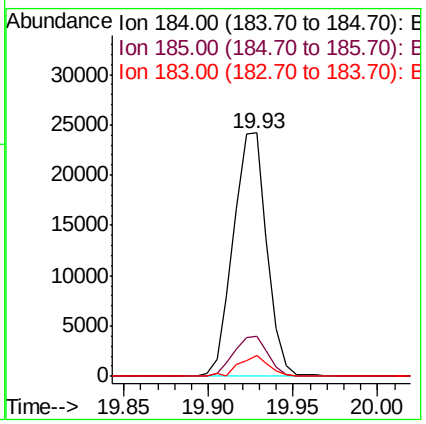


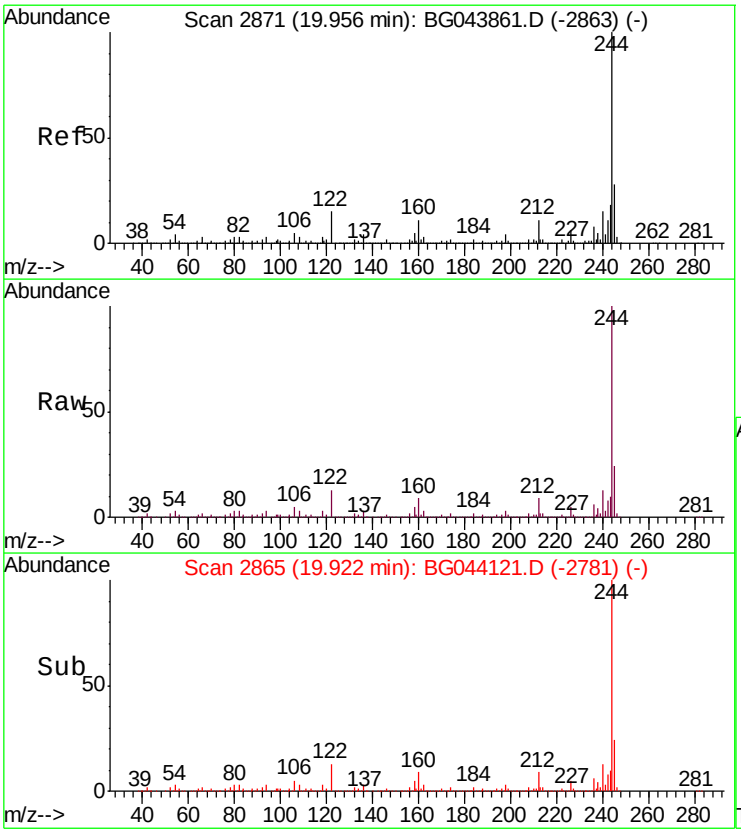

#77
Benzidine
Concen: 2.905 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:184 Resp: 33487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.3 | 13.4 | 20.0 |
| 183 | 8.6 | 10.6 | 15.8# |

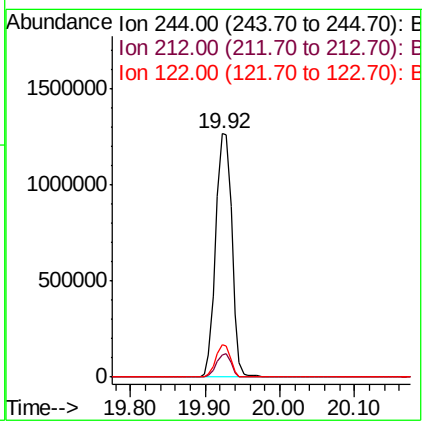


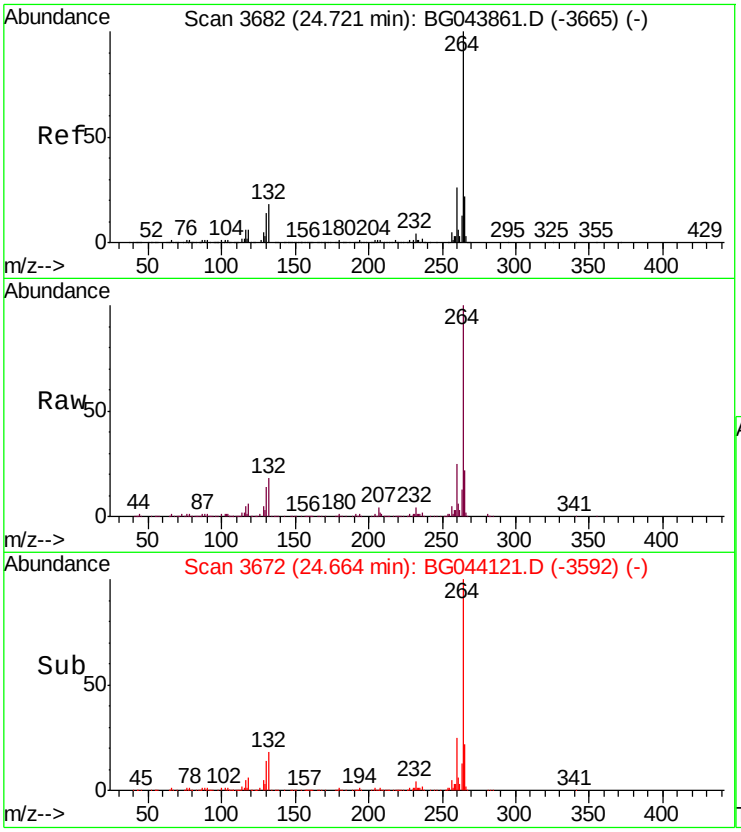




#79
Terphenyl-d14
Concen: 106.688 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:244 Resp: 1902749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.3 | 8.6 | 13.0 |
| 122 | 13.2 | 11.9 | 17.9 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
EP-5

Tgt Ion:264 Resp: 510023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 20.4 | 30.6 |
| 265 | 21.9 | 17.4 | 26.2 |