Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
Data File : BG045166.D
Acq On : 24 Apr 2020 18:22
Operator : CG/JU
Sample : L2117-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 25 00:21:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 13:58:55 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 68480 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 256967 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.64 | 164 | 175730 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.38 | 188 | 425453 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 21.65 | 240 | 459832 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 24.82 | 264 | 487755 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 497268 | 119.88 | ng | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 611350 | 99.20 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 538875 | 95.69 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.12 | 330 | 394510 | 145.32 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 1211195 | 101.06 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.00 | 244 | 2172636 | 102.98 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 7.13 | 77 | 141 | Below Cal | # | 4 |
| 19) n-Nitroso-di-n-propylamine | 9.16 | 70 | 71747 | 16.462 | ng | # 83 |
| 32) Benzoic acid | 10.13 | 122 | 64 | 6.391 | ng | # 1 |
| 51) 2,6-Dinitrotoluene | 14.64 | 165 | 23243 | 7.262 | ng | # 24 |
| 57) 2,4-Dinitrotoluene | 14.64 | 165 | 23243 | 4.970 | ng | # 22 |
| 67) 4-Bromophenyl-phenylether | 16.12 | 248 | 26593 | 4.845 | ng | # 1 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 1100 | Below Cal | # | 76 |
| 75) Fluoranthene | 19.43 | 202 | 1178 | Below Cal | | 62 |
| 77) Benzidine | 19.61 | 184 | 178056 | 8.544 | ng | # 93 |

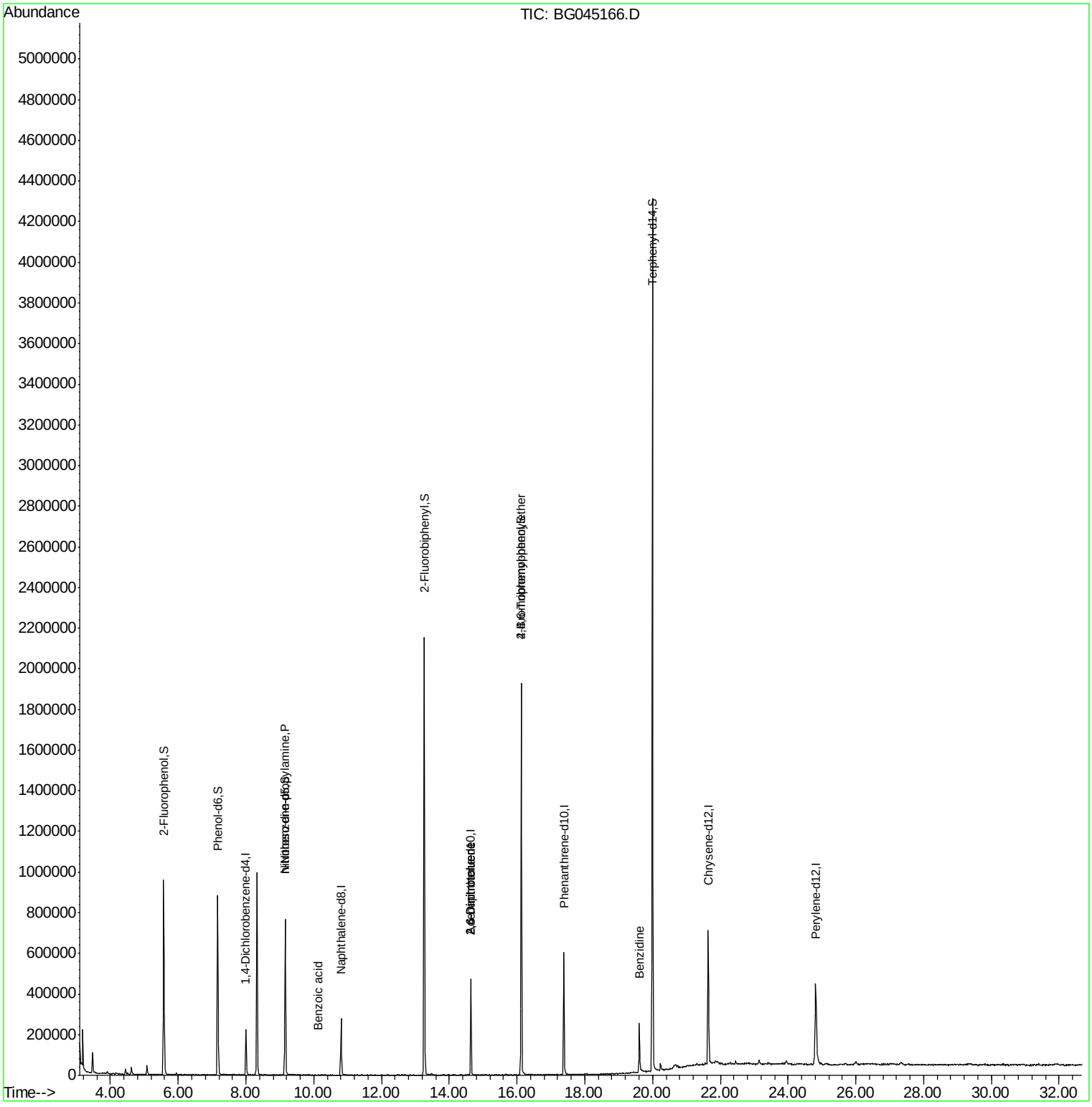
(#) = qualifier out of range (m) = manual integration (+) = signals summed

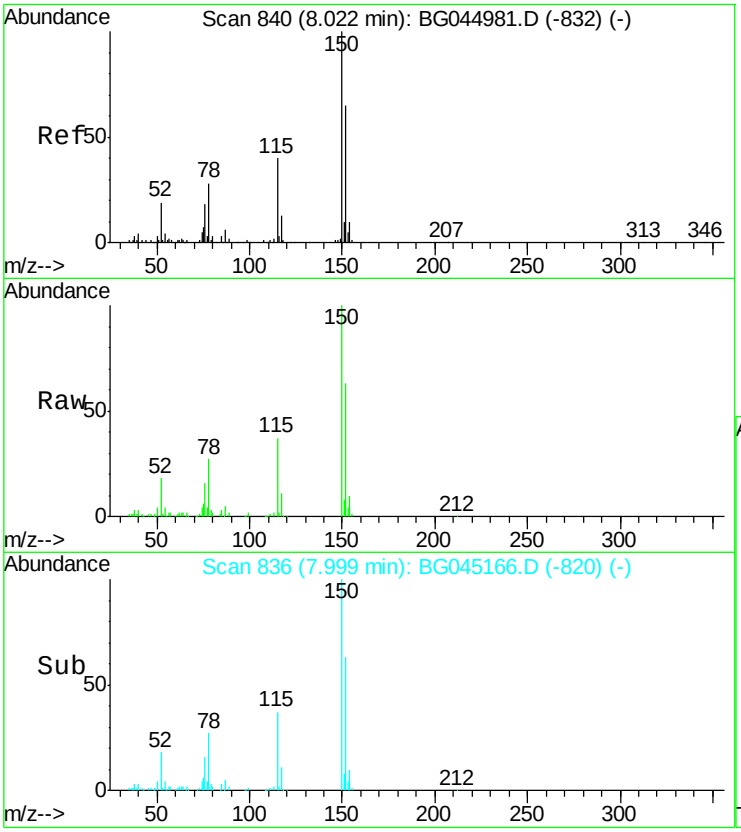
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
Data File : BG045166.D
Acq On : 24 Apr 2020 18:22
Operator : CG/JU
Sample : L2117-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 25 00:21:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 13:58:55 2020
Response via : Initial Calibration



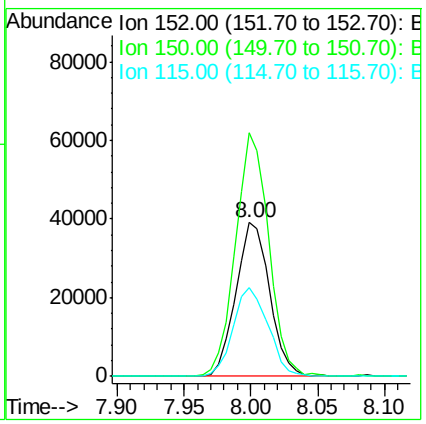


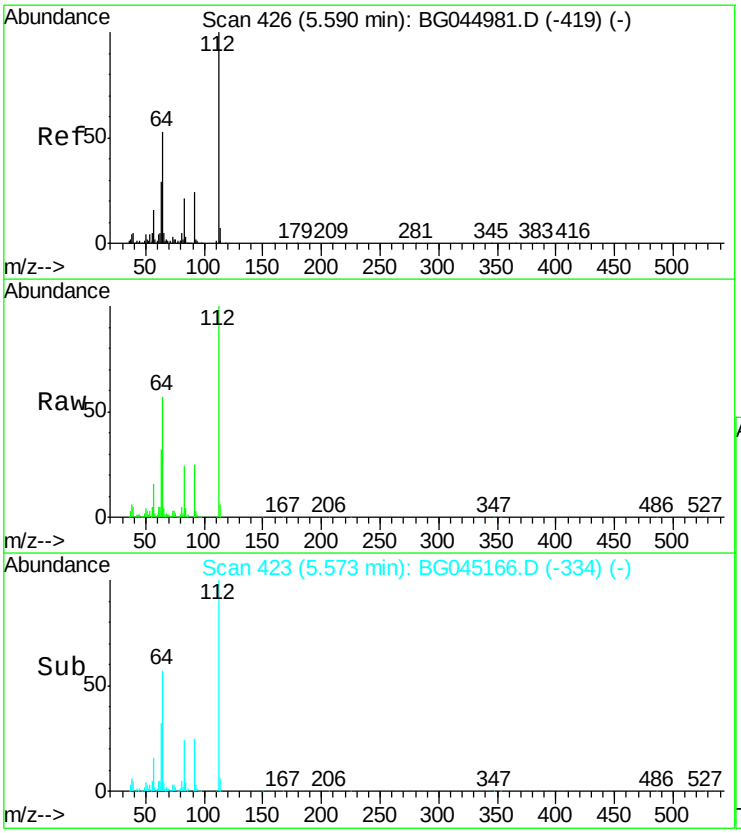

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:152 Resp: 68480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.6 | 123.6 | 185.4 |
| 115 | 58.0 | 49.1 | 73.7 |

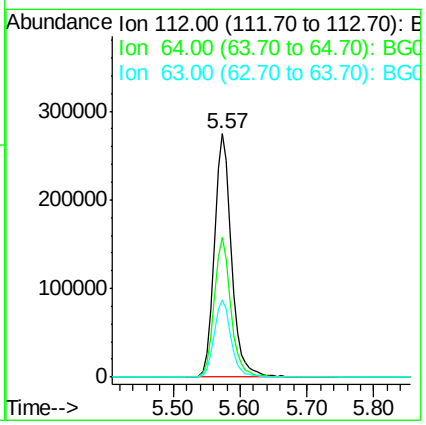


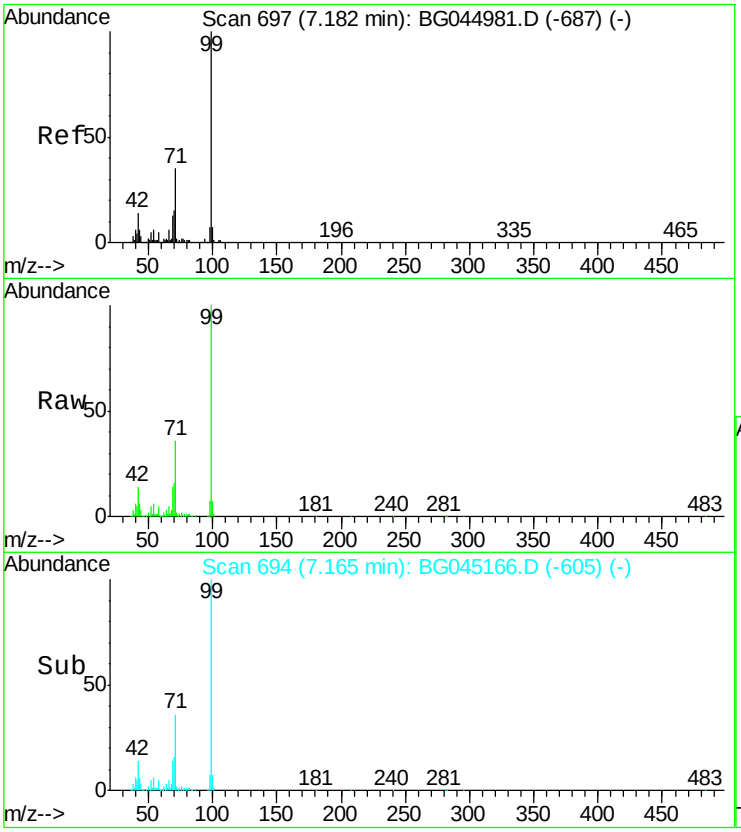




#5
2-Fluorophenol
Concen: 119.884 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:112 Resp: 497268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.3 | 42.4 | 63.6 |
| 63 | 31.9 | 23.1 | 34.7 |



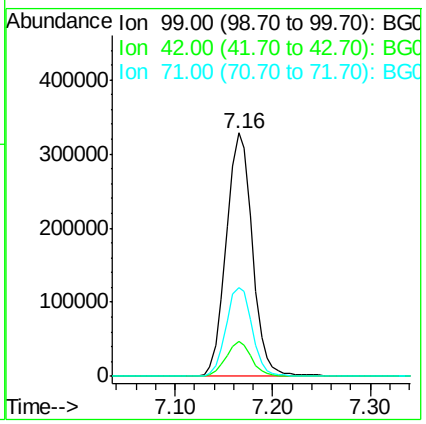


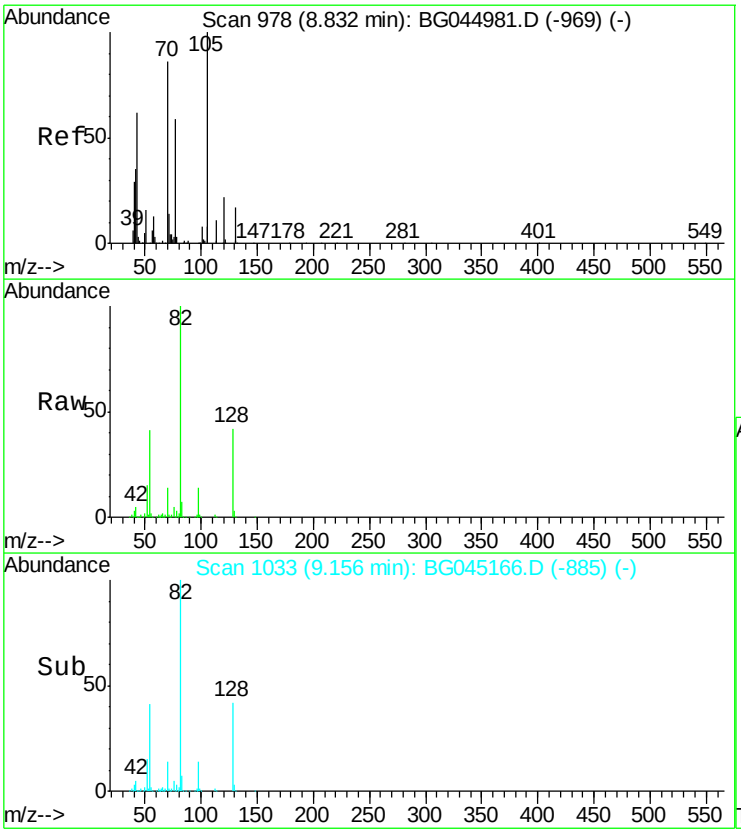

#7
Phenol-d6
Concen: 99.200 ng
RT: 7.16 min Scan# 694
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion: 99 Resp: 611350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.3 | 11.3 | 16.9 |
| 71 | 36.3 | 28.3 | 42.5 |

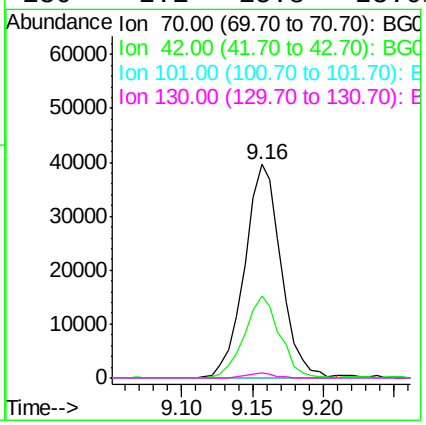


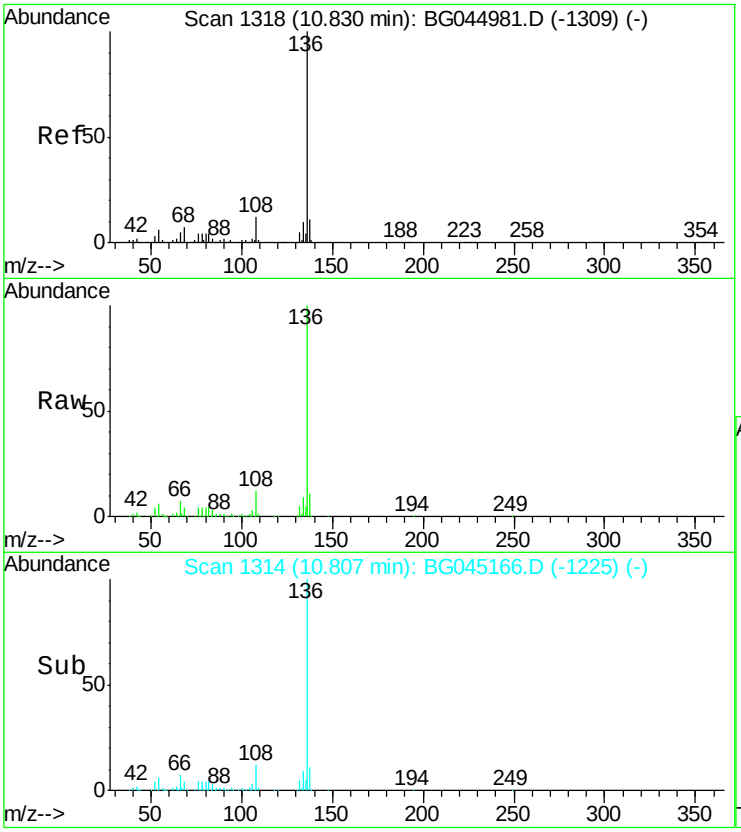




#19
n-Nitroso-di-n-propylamine
Concen: 16.462 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion: 70 Resp: 71747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.3 | 33.3 | 49.9 |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 2.1 | 15.8 | 23.6# |



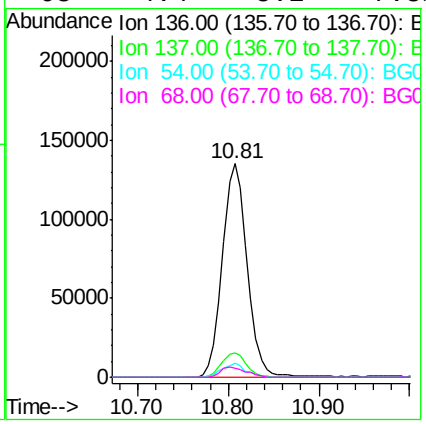


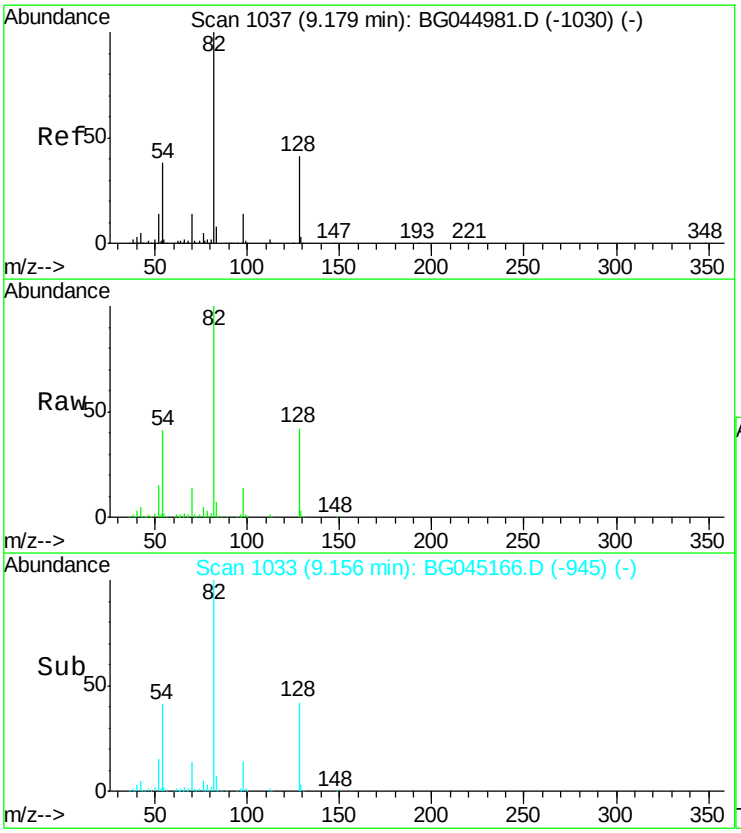

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:136 Resp: 256967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.6 | 13.0 |
| 54 | 6.4 | 4.8 | 7.2 |
| 68 | 4.4 | 5.2 | 7.8# |

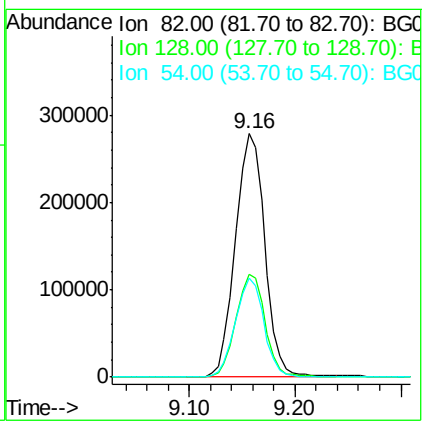


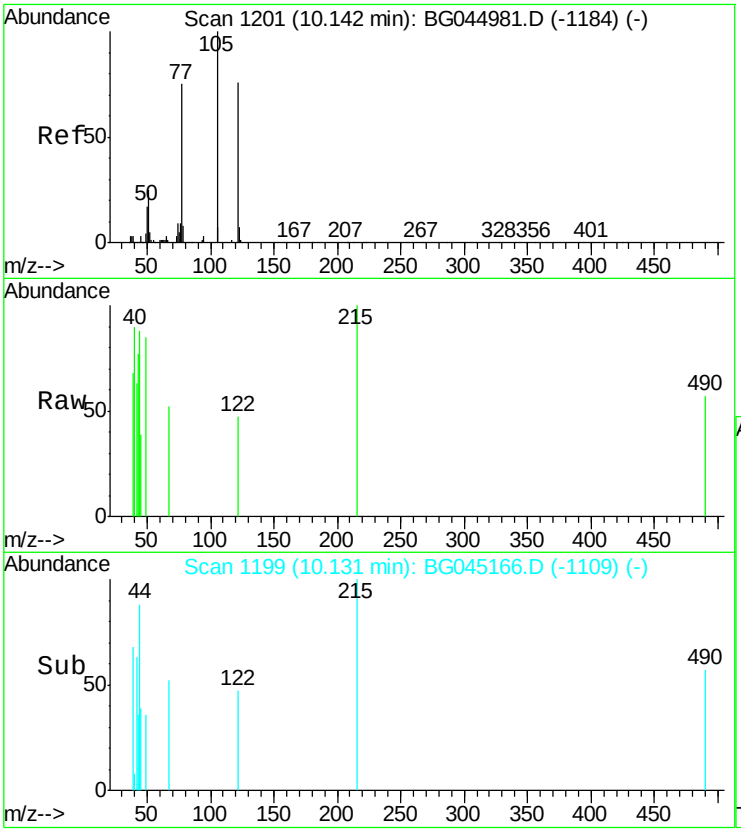




#23
Nitrobenzene-d5
Concen: 95.686 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion: 82 Resp: 538875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 33.0 | 49.4 |
| 54 | 40.7 | 30.4 | 45.6 |



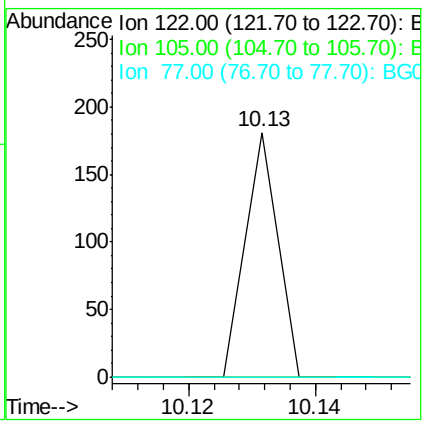


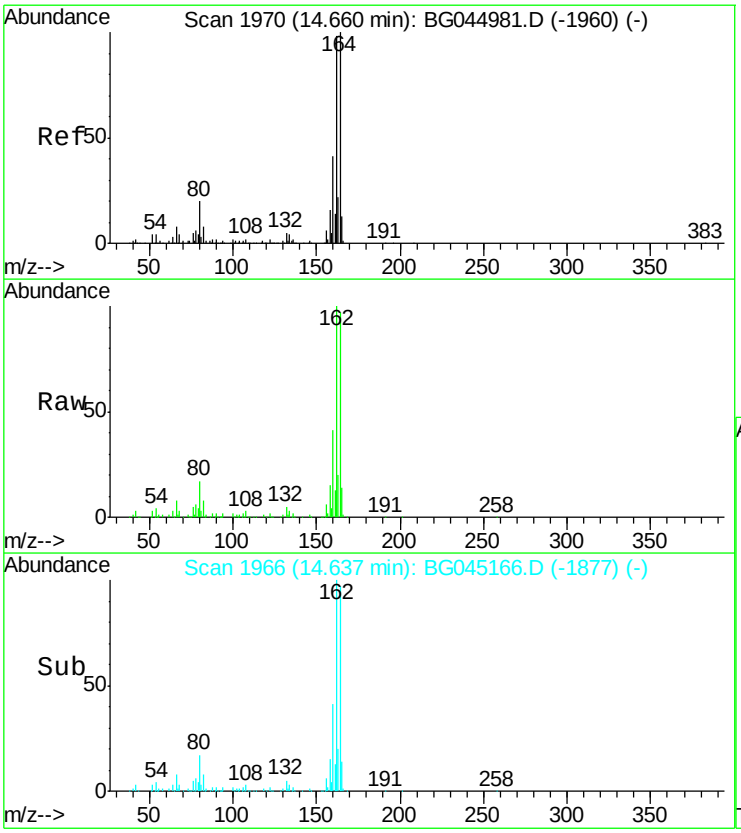

#32
Benzoic acid
Concen: 6.391 ng
RT: 10.13 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:122 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 108.4 | 148.4# |
| 77 | 0.0 | 78.8 | 118.8# |

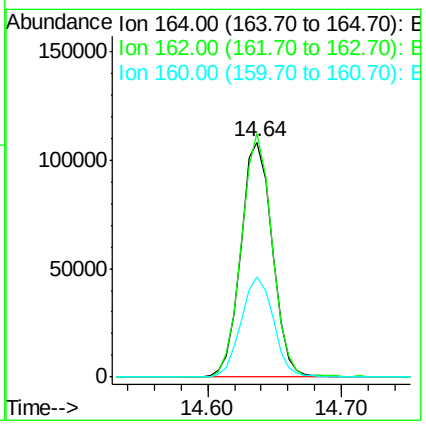


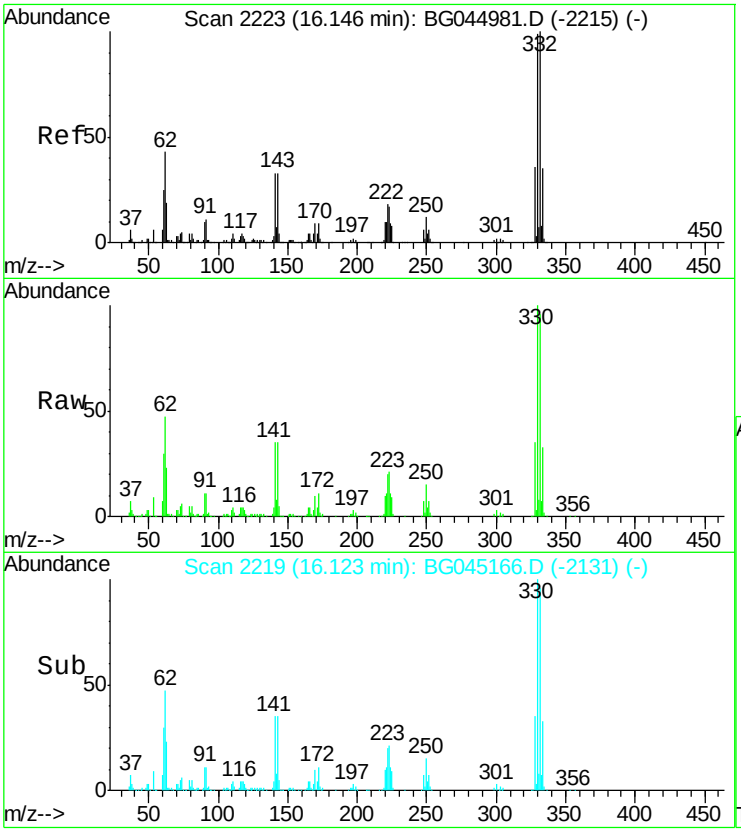




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:164 Resp: 175730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.6 | 78.7 | 118.1 |
| 160 | 42.6 | 32.8 | 49.2 |



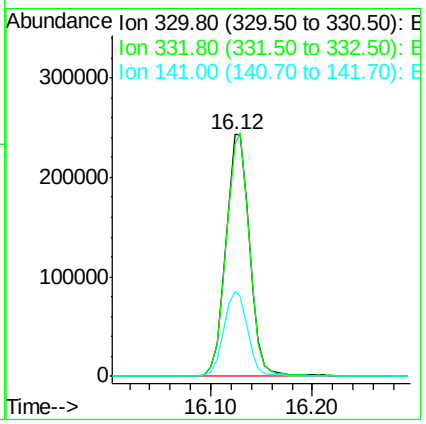


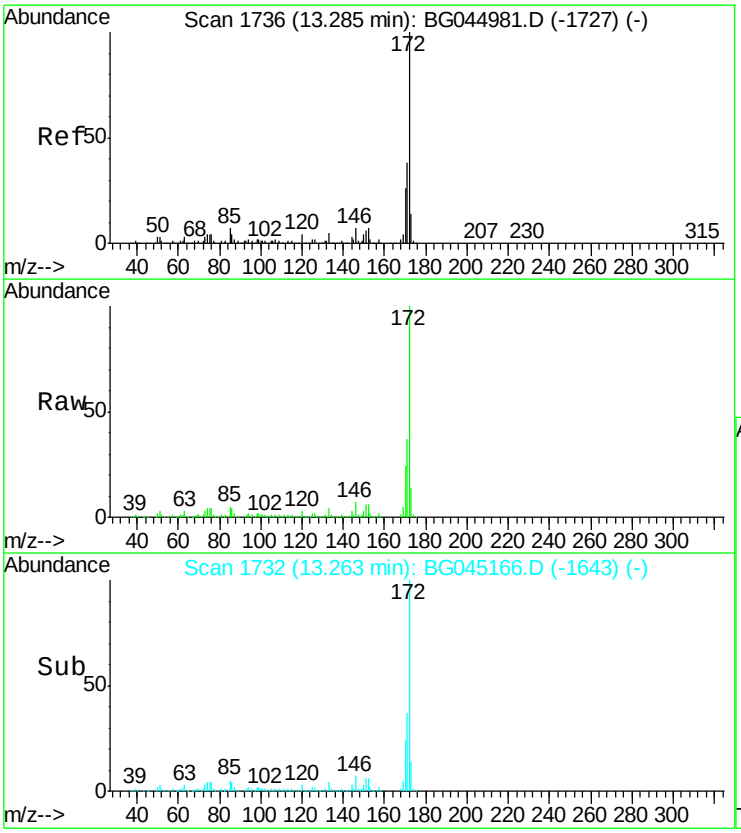

#42
2,4,6-Tribromophenol
Concen: 145.318 ng
RT: 16.12 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:330 Resp: 394510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.7 | 79.1 | 118.7 |
| 141 | 35.1 | 27.1 | 40.7 |

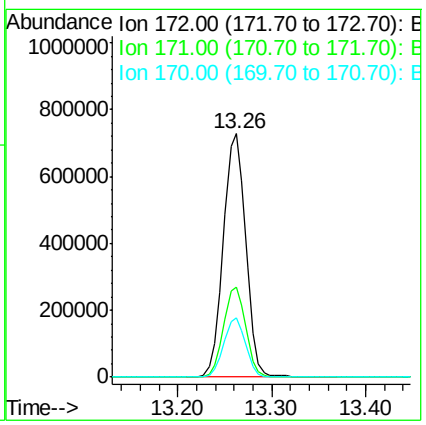


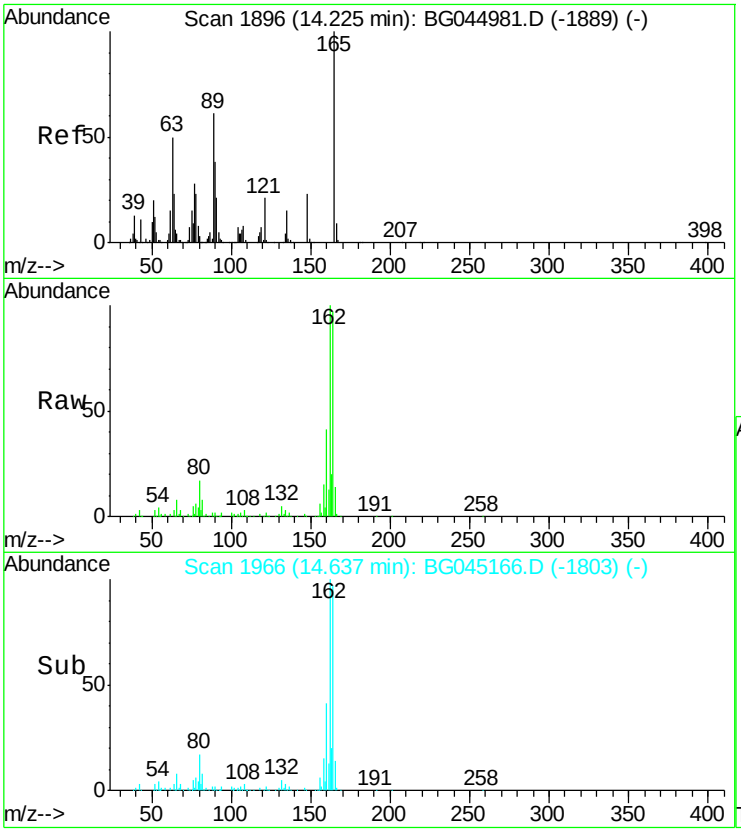




#45
2-Fluorobiphenyl
Concen: 101.064 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:172 Resp: 1211195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.0 | 30.6 | 46.0 |
| 170 | 24.1 | 20.5 | 30.7 |



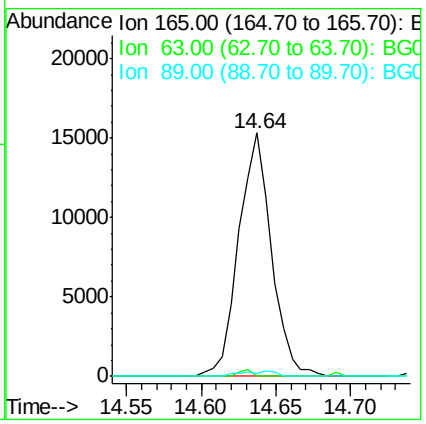


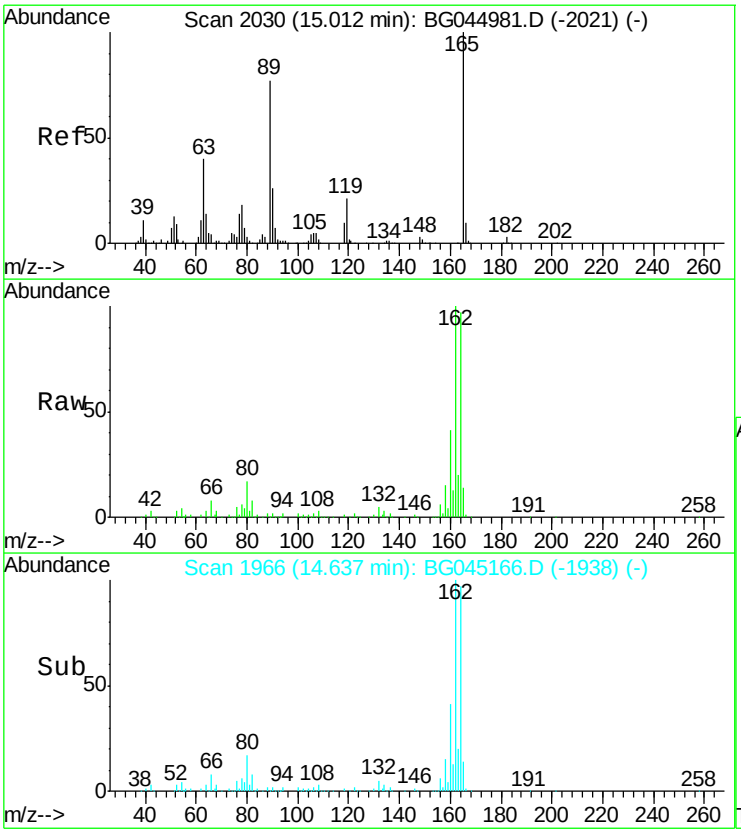

#51
2,6-Dinitrotoluene
Concen: 7.262 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.43 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:165 Resp: 23243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 40.4 | 60.6# |
| 89 | 1.3 | 49.1 | 73.7# |

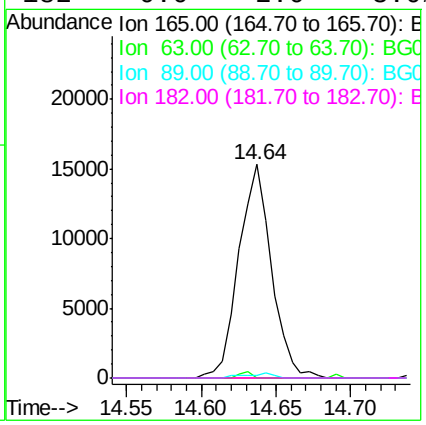


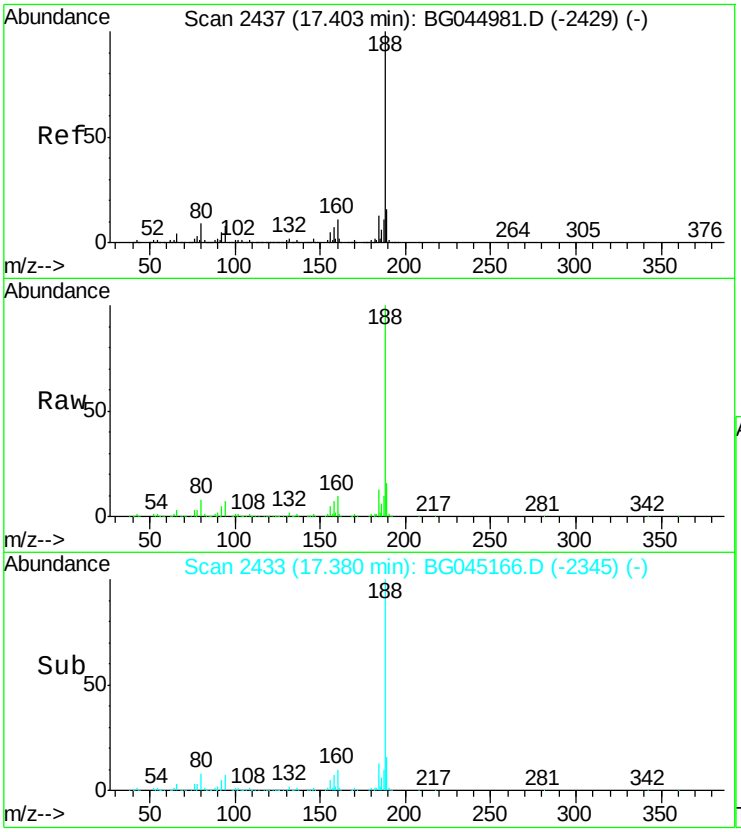




#57
2,4-Dinitrotoluene
Concen: 4.970 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.36 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:165 Resp: 23243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 32.2 | 48.2# |
| 89 | 1.3 | 61.7 | 92.5# |
| 182 | 0.0 | 2.0 | 3.0# |



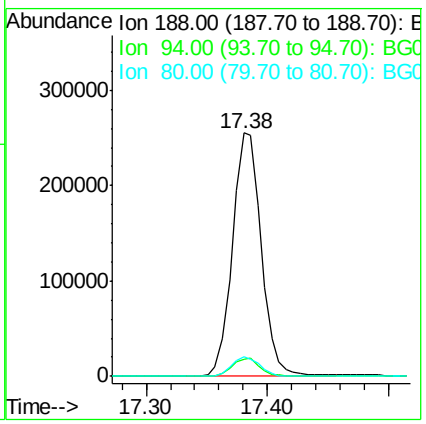


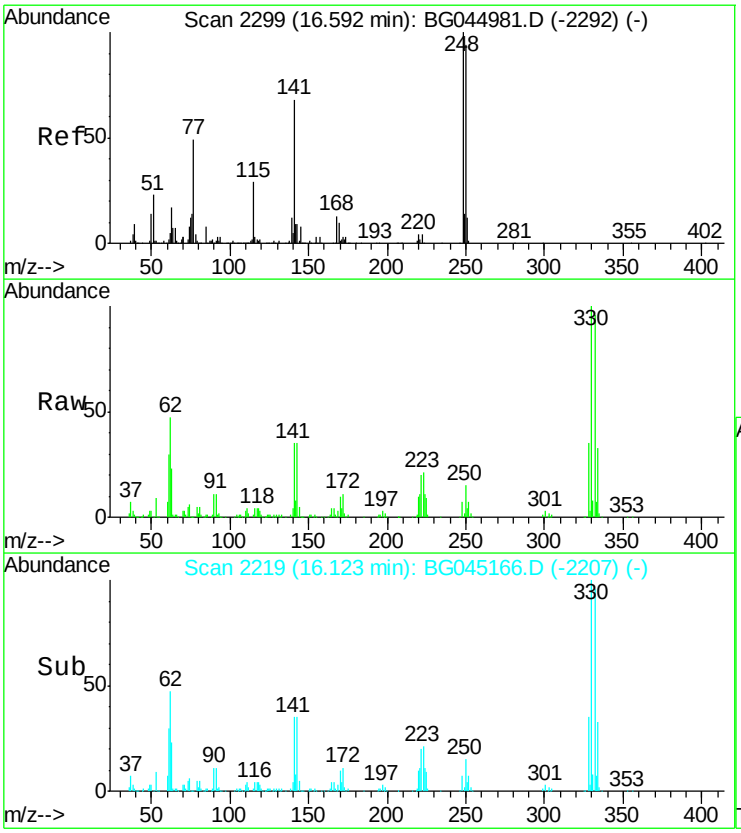

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:188 Resp: 425453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.0 | 6.2 | 9.4 |
| 80 | 8.2 | 7.0 | 10.6 |

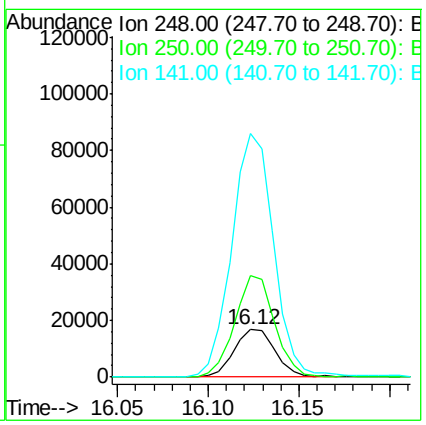


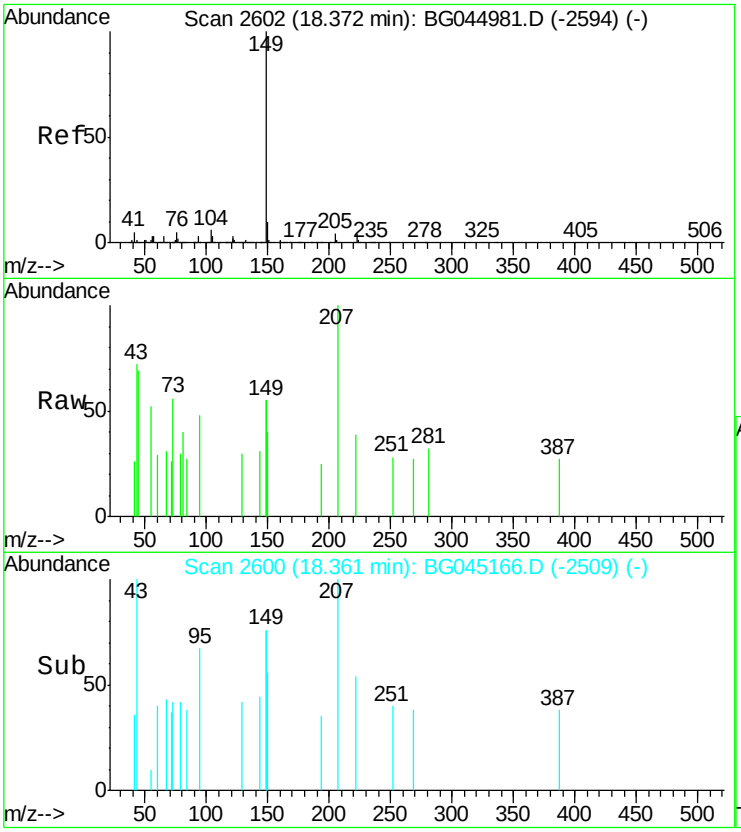




#67
4-Bromophenyl-phenylether
Concen: 4.845 ng
RT: 16.12 min Scan# 2219
Delta R.T. -0.46 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:248 Resp: 26593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 213.8 | 75.4 | 113.2# |
| 141 | 514.2 | 54.4 | 81.6# |



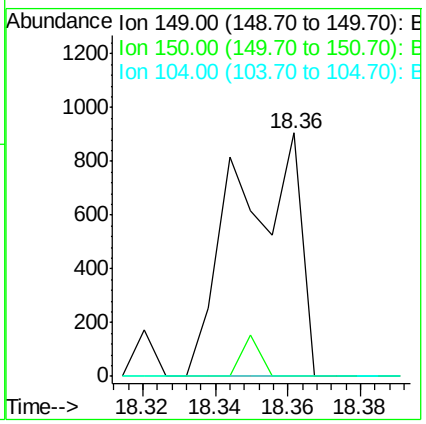


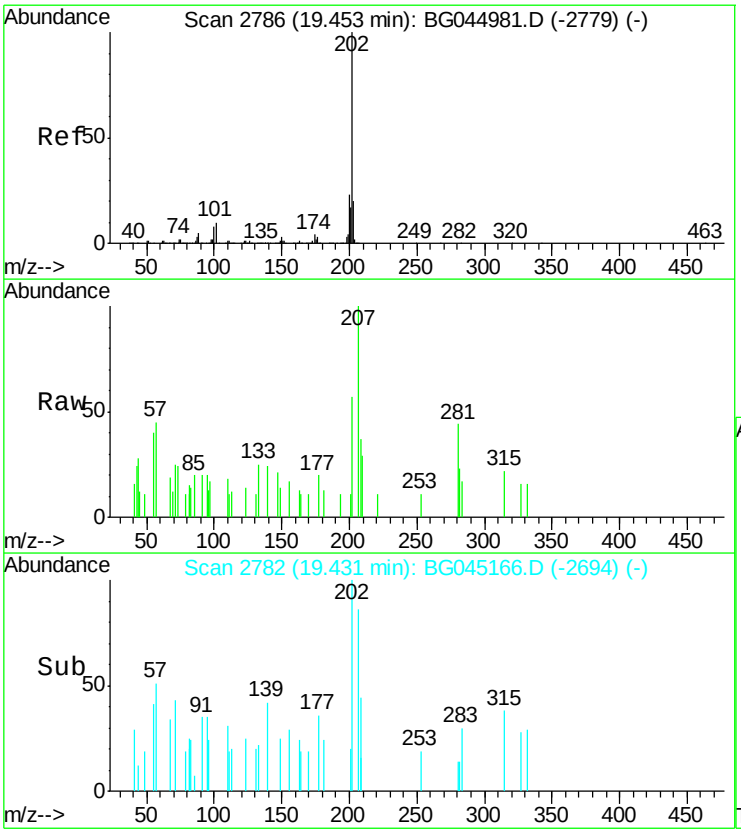

#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:149 Resp: 1100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 8.2 | 12.2# |
| 104 | 0.0 | 4.8 | 7.2# |

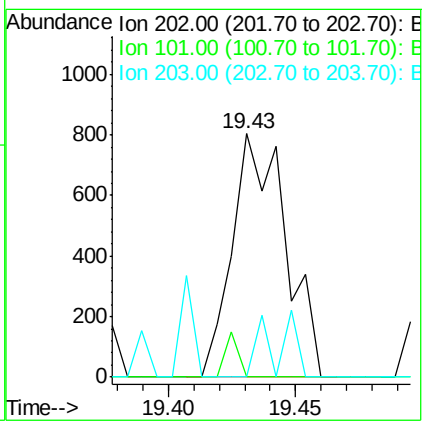


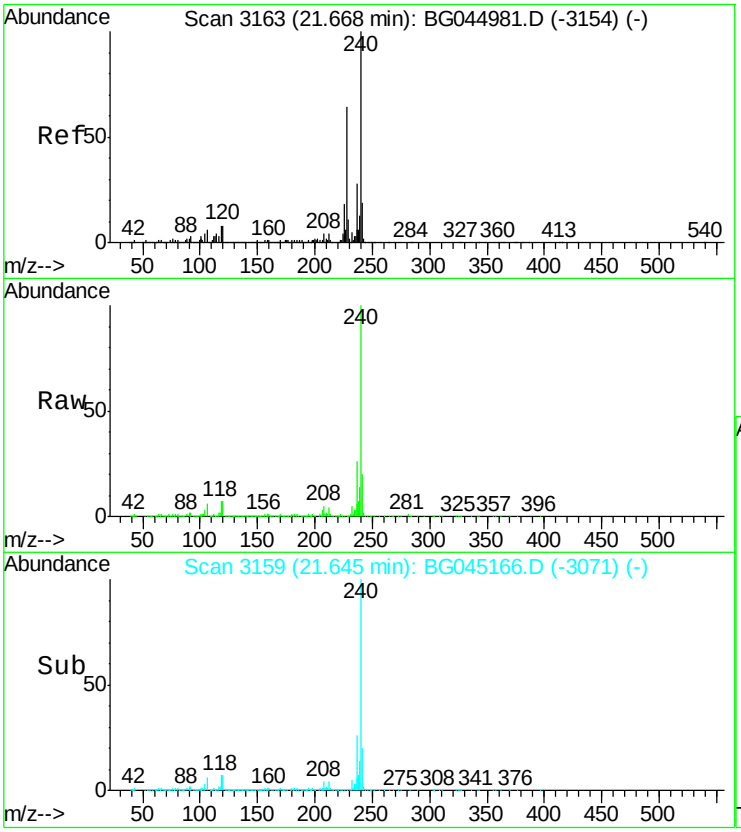




#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:202 Resp: 1178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 29.6 |
| 203 | 0.0 | 0.0 | 39.7 |



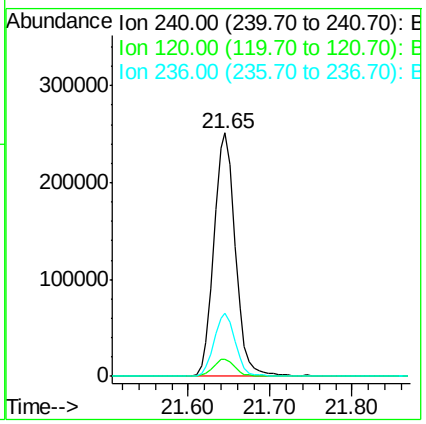


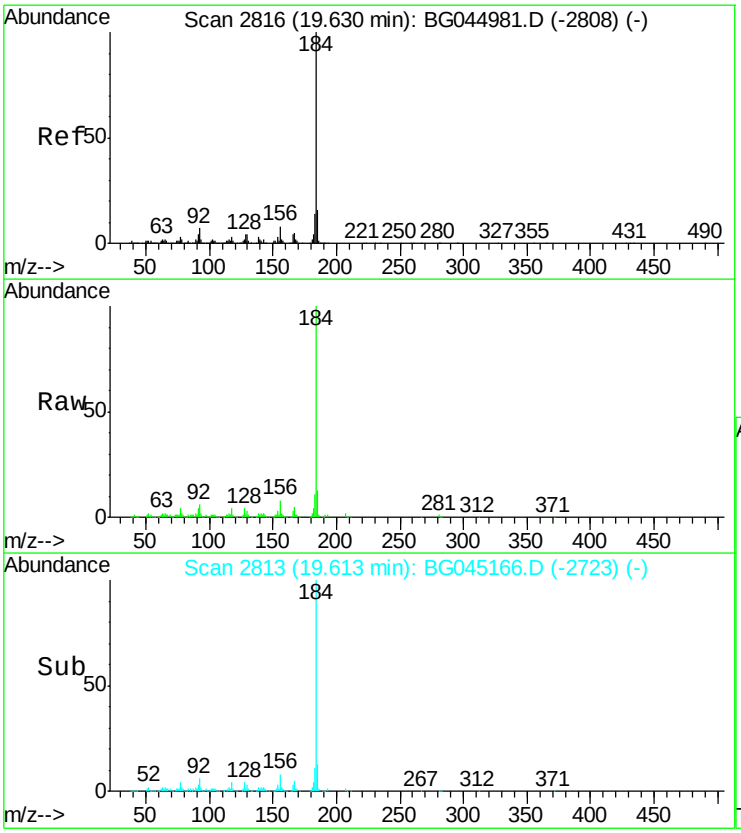

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:240 Resp: 459832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.0 | 6.6 | 10.0 |
| 236 | 26.2 | 22.2 | 33.2 |

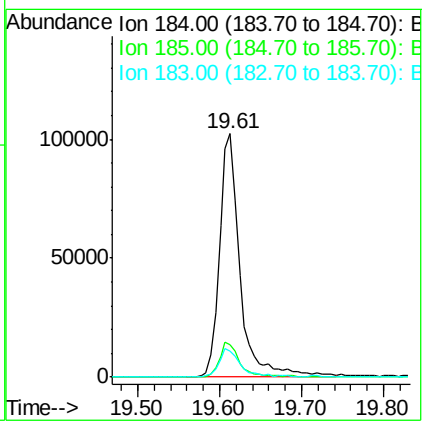


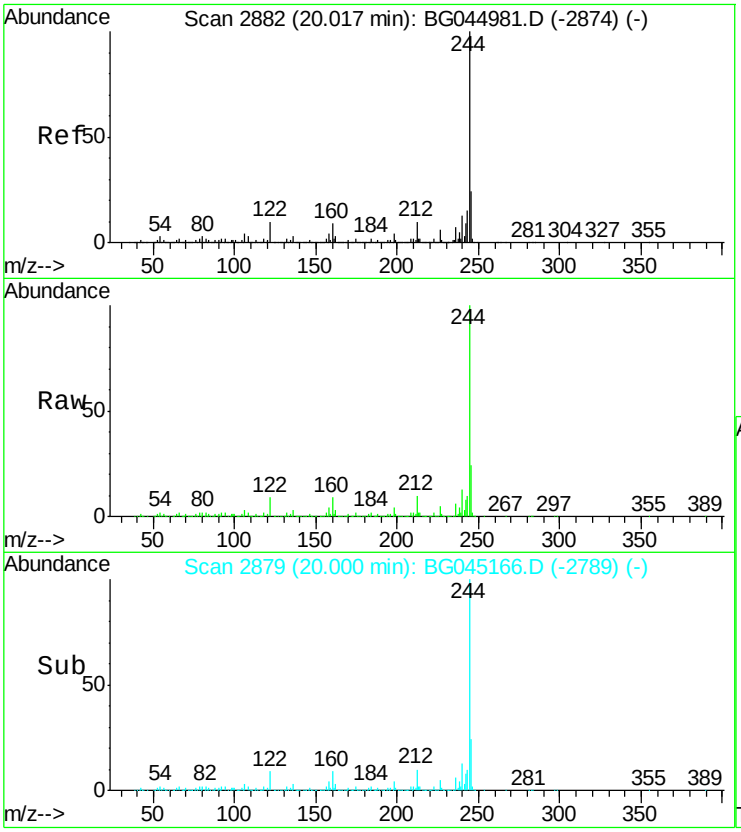




#77
Benzidine
Concen: 8.544 ng
RT: 19.61 min Scan# 2813
Delta R.T. 0.00 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:184 Resp: 178056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.1 | 12.6 | 19.0 |
| 183 | 10.9 | 11.3 | 16.9# |



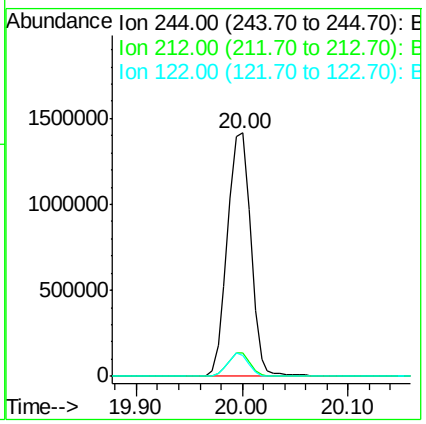


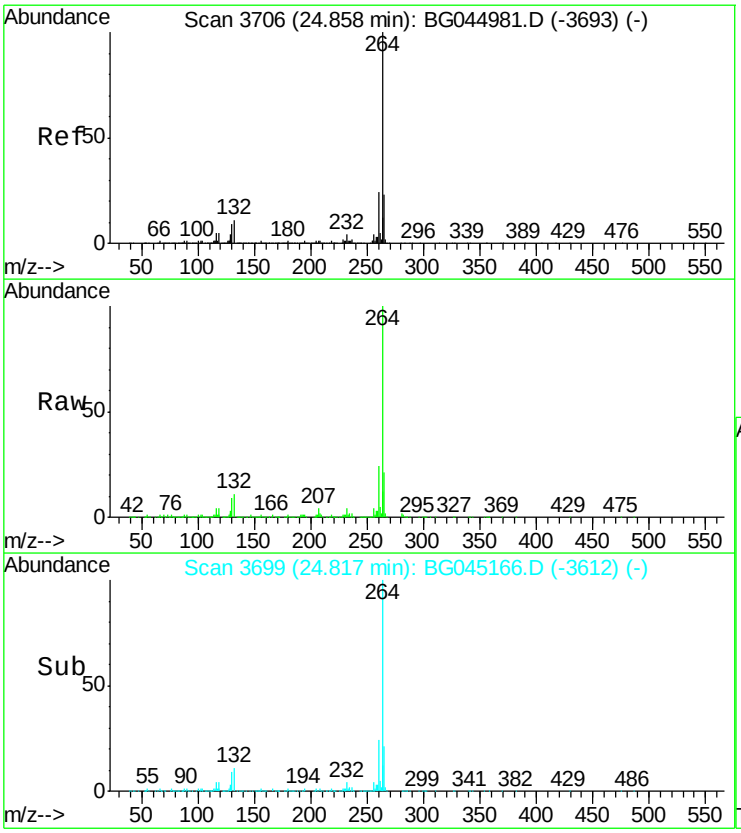

#79
Terphenyl-d14
Concen: 102.981 ng
RT: 20.00 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

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

Tgt Ion:244 Resp: 2172636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.6 | 7.9 | 11.9 |
| 122 | 8.7 | 7.7 | 11.5 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.02 min
Lab File: BG045166.D
Acq: 24 Apr 2020 18:22

Tgt Ion:264 Resp: 487755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 21.0 | 19.0 | 28.4 |