Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
Data File : BG045411.D
Acq On : 16 May 2020 00:38
Operator : CG/JU
Sample : L2663-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 1378

Quant Time: May 16 01:41:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 15:45:48 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 84683 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.78 | 136 | 318215 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.61 | 164 | 196745 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.36 | 188 | 385858 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 536130 | 20.00 | ng | | 0.08 |
| 87) Perylene-d12 | 24.98 | 264 | 481751 | 20.00 | ng | | 0.20 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 493441 | 113.88 | ng | | 0.01 |
| 7) Phenol-d6 | 7.15 | 99 | 625661 | 101.45 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 535270 | 91.73 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.12 | 330 | 316768 | 125.89 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 13.24 | 172 | 1114228 | 96.06 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.01 | 244 | 1854228 | 80.66 | ng | | 0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 7.18 | 94 | 67058 | 10.550 | ng | | 95 |
| 15) Benzyl Alcohol | 8.21 | 79 | 48850 | 9.588 | ng | | 94 |
| 32) Benzoic acid | 10.17 | 122 | 55528 | 26.307 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.44 | 142 | 66568 | 6.023 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.66 | 142 | 37193 | 3.562 | ng | # | 97 |
| 50) Dimethylphthalate | 14.07 | 163 | 166629 | 12.346 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.87 | 169 | 51673 | 5.578 | ng | | 96 |

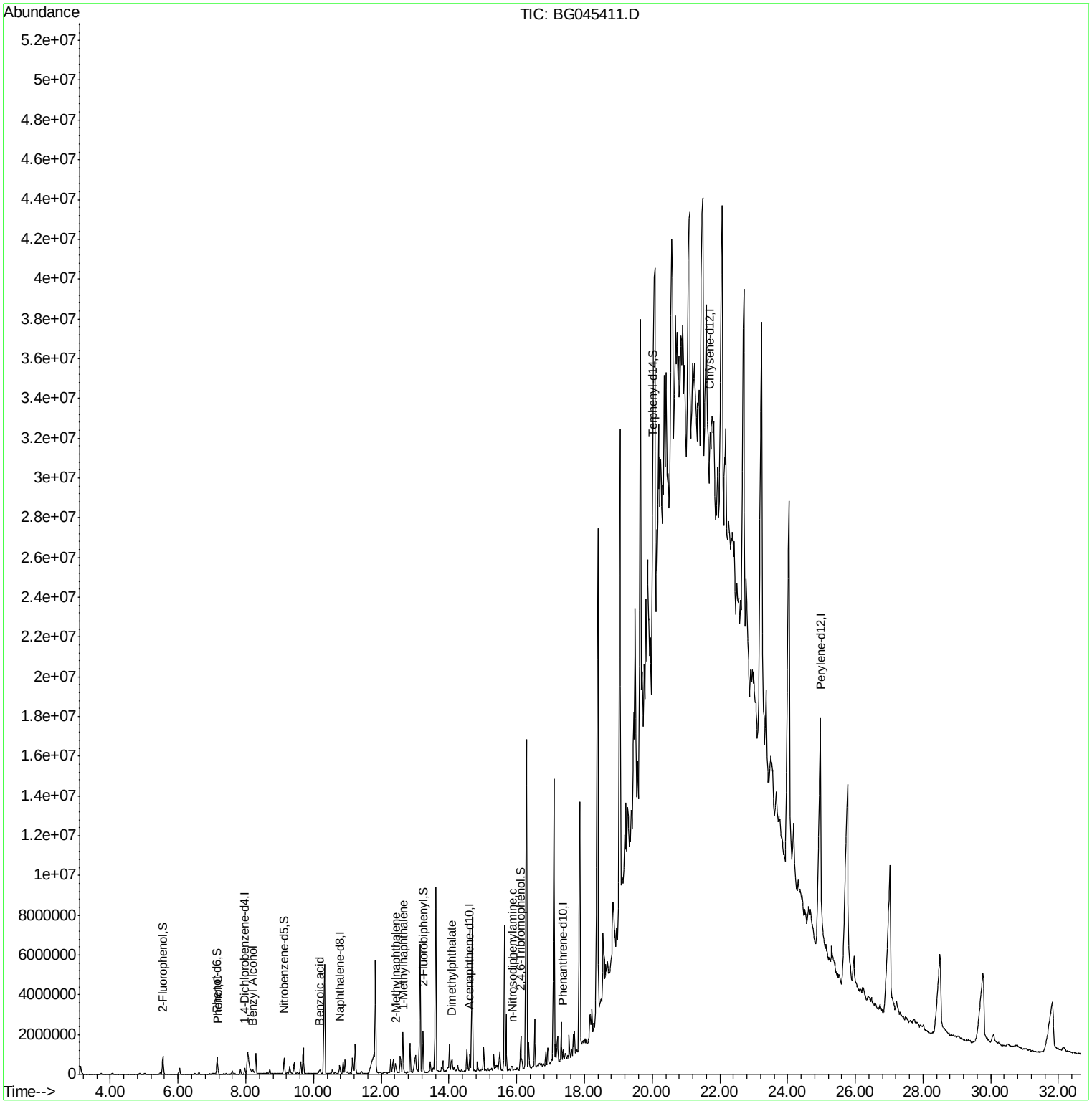
(#) = qualifier out of range (m) = manual integration (+) = signals summed

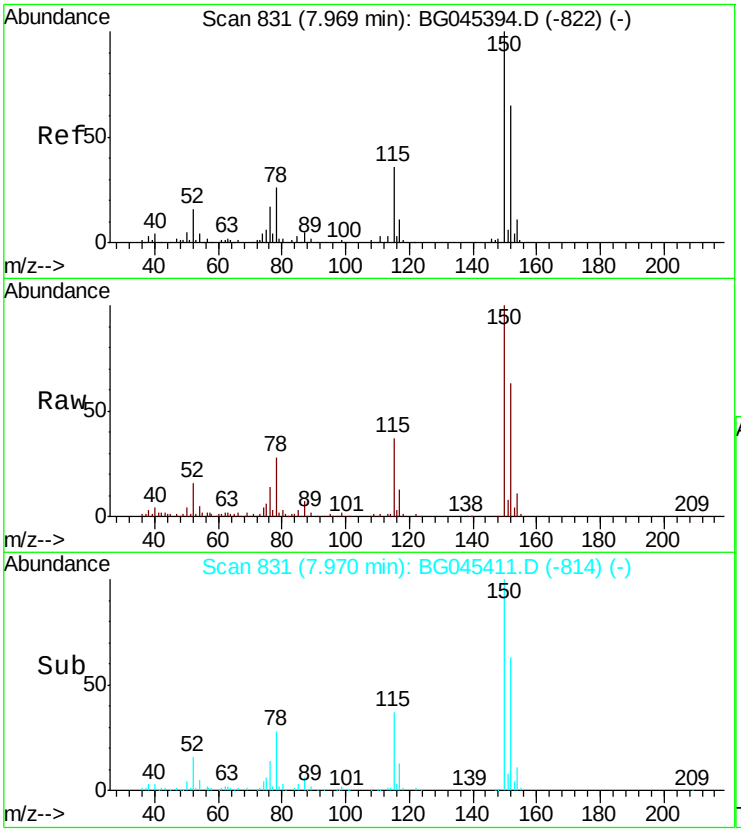
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
Data File : BG045411.D
Acq On : 16 May 2020 00:38
Operator : CG/JU
Sample : L2663-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Quant Time: May 16 01:41:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 15:45:48 2020
Response via : Initial Calibration



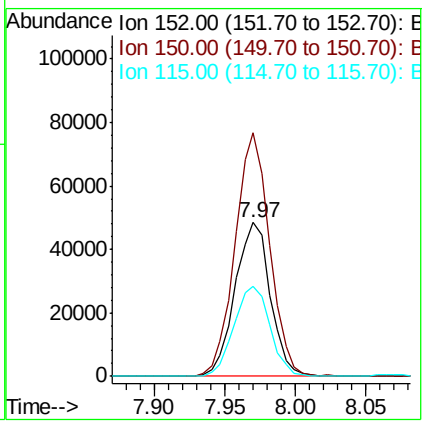


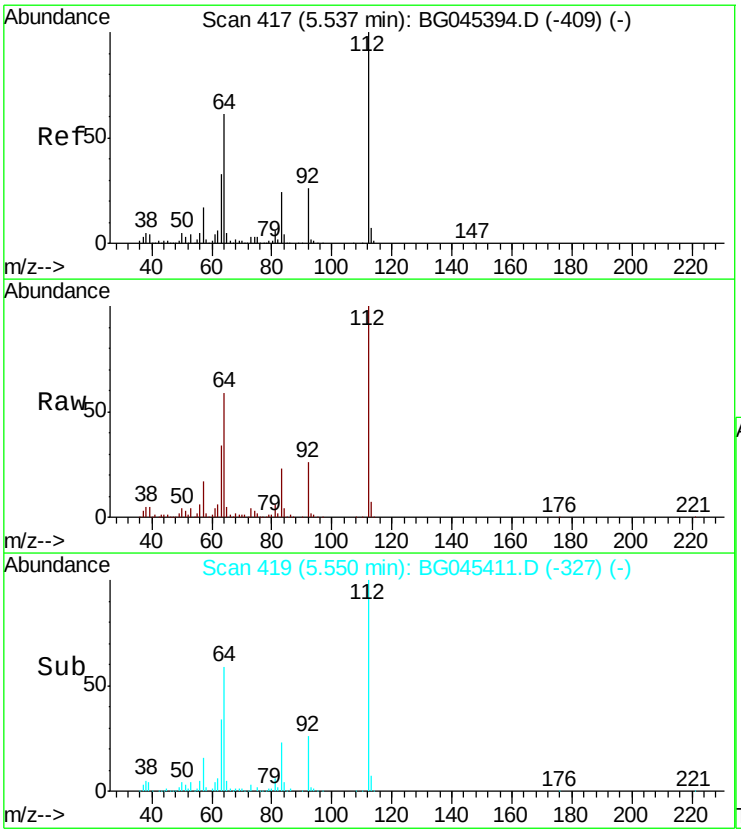

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:152 Resp: 84683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.7 | 122.4 | 183.6 |
| 115 | 58.7 | 44.2 | 66.4 |

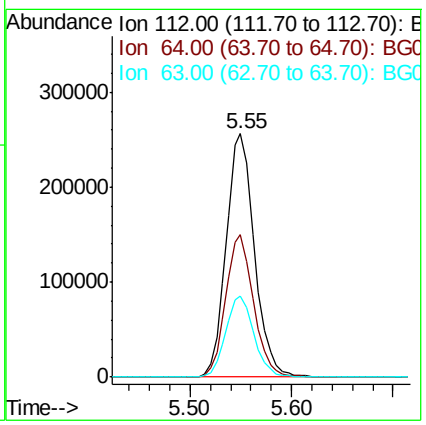


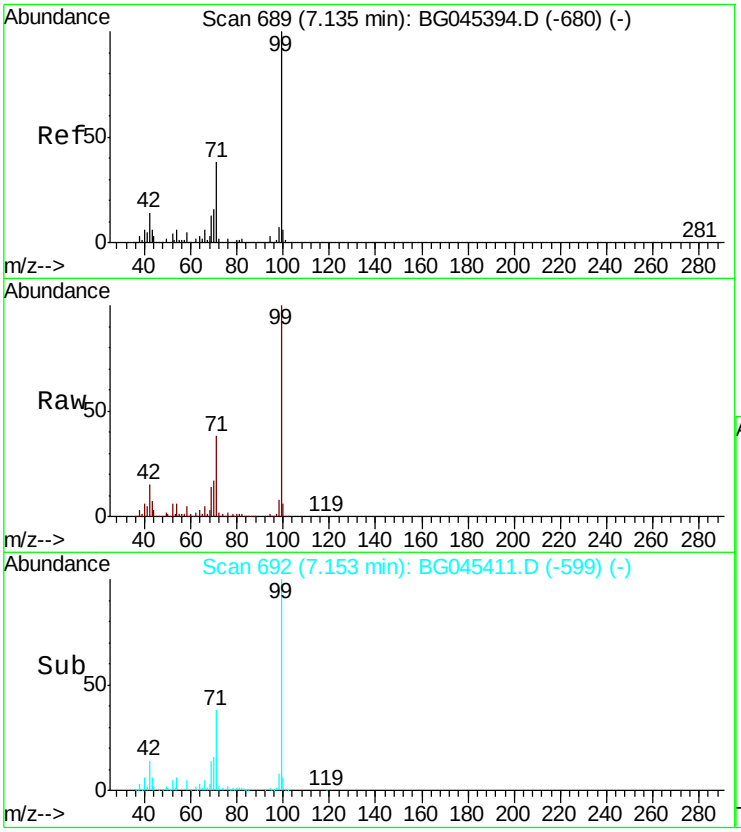




#5
2-Fluorophenol
Concen: 113.875 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:112 Resp: 493441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.7 | 48.6 | 72.8 |
| 63 | 33.5 | 26.5 | 39.7 |



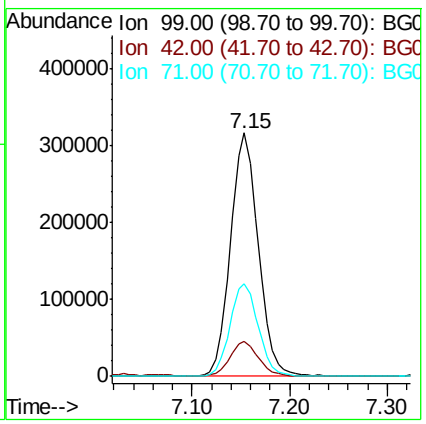


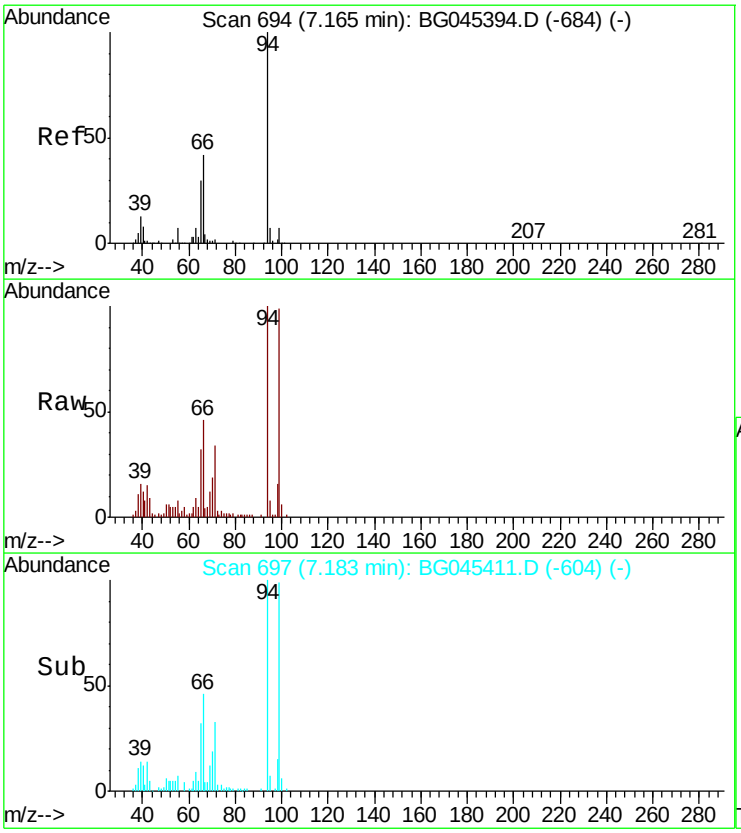

#7
Phenol-d6
Concen: 101.446 ng
RT: 7.15 min Scan# 692
Delta R.T. 0.02 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion: 99 Resp: 625661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.5 | 11.3 | 16.9 |
| 71 | 37.8 | 30.8 | 46.2 |

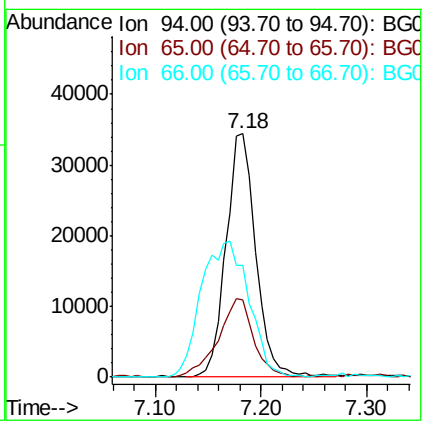


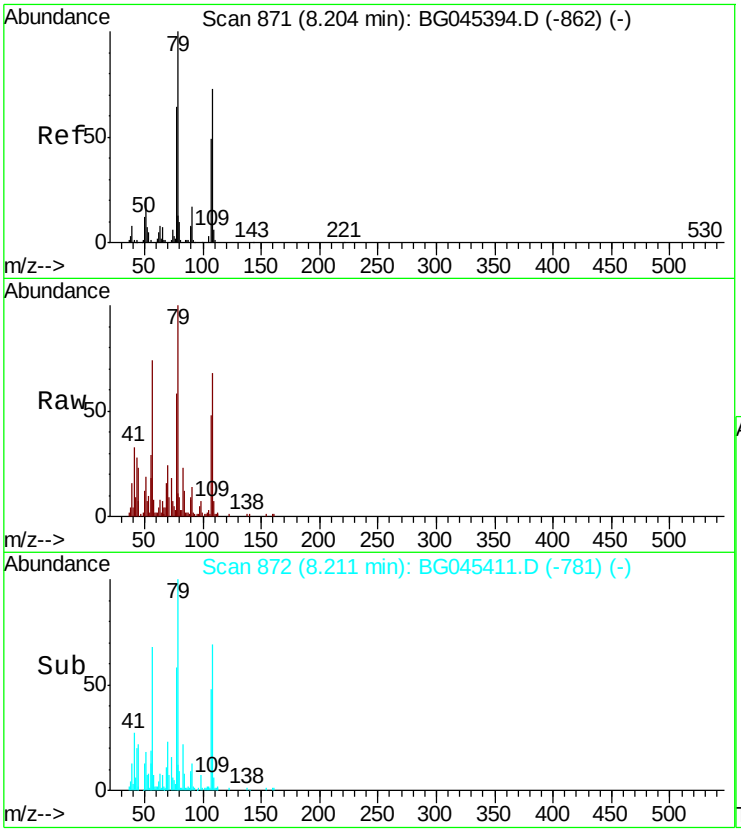




#10
Phenol
Concen: 10.550 ng
RT: 7.18 min Scan# 697
Delta R.T. 0.02 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion: 94 Resp: 67058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.6 | 9.8 | 49.8 |
| 66 | 45.7 | 22.0 | 62.0 |



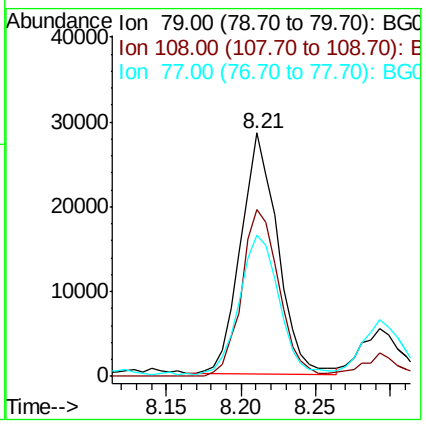


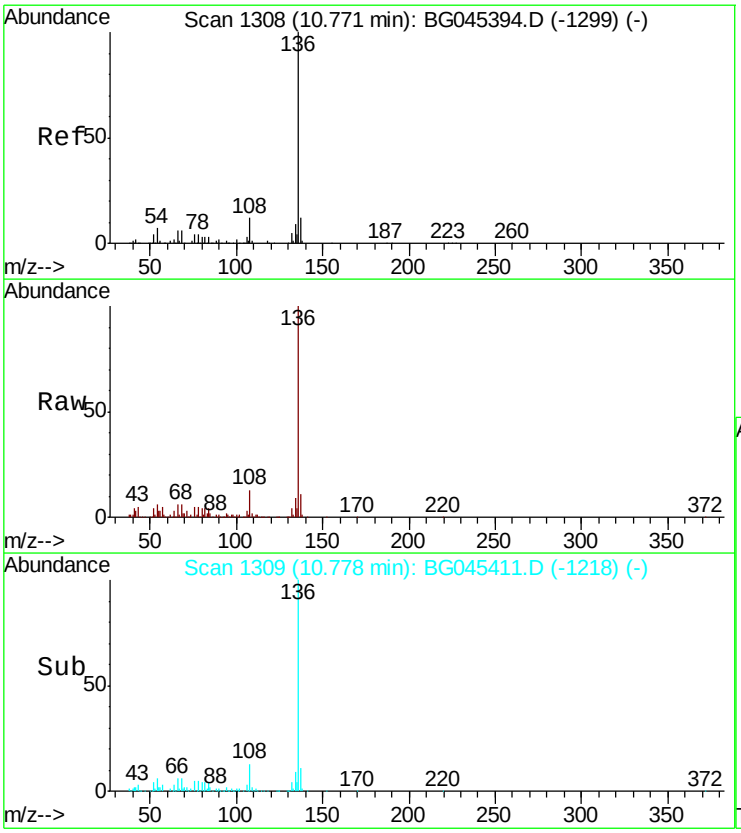

#15
Benzyl Alcohol
Concen: 9.588 ng
RT: 8.21 min Scan# 872
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion: 79 Resp: 48850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 68.4 | 58.2 | 87.4 |
| 77 | 57.8 | 51.0 | 76.4 |

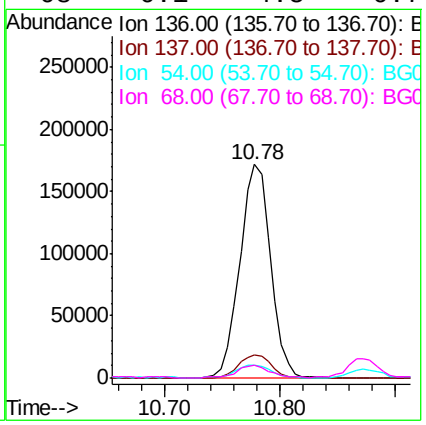


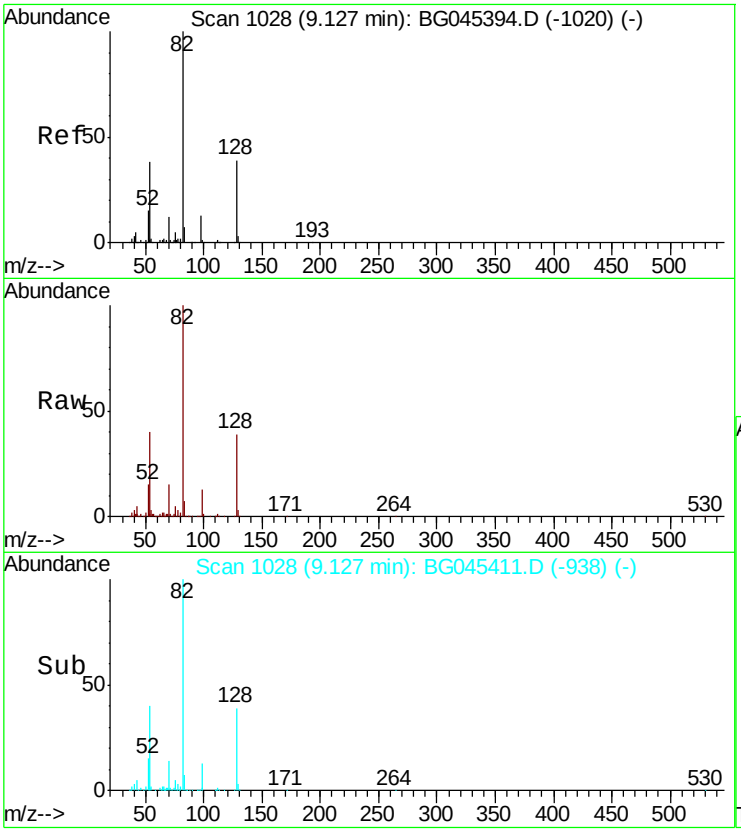




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:136 Resp: 318215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.4 | 14.2 |
| 54 | 6.3 | 5.8 | 8.6 |
| 68 | 6.1 | 4.5 | 6.7 |



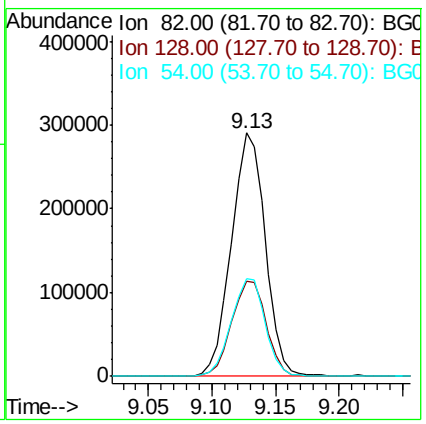


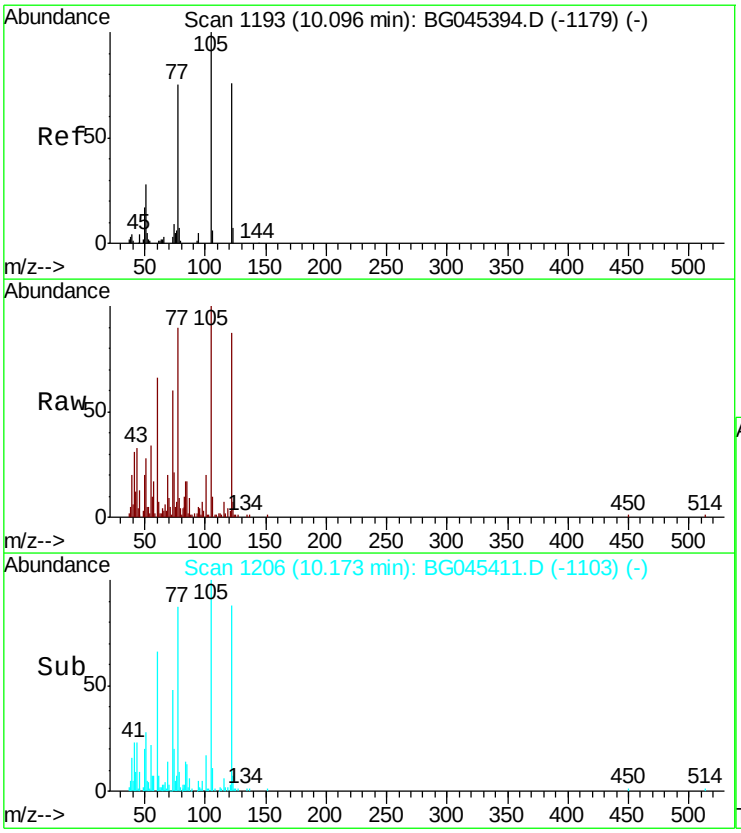

#23
Nitrobenzene-d5
Concen: 91.728 ng
RT: 9.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion: 82 Resp: 535270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.8 | 30.9 | 46.3 |
| 54 | 40.4 | 30.3 | 45.5 |

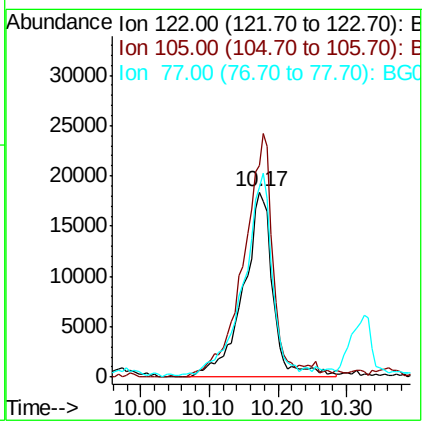


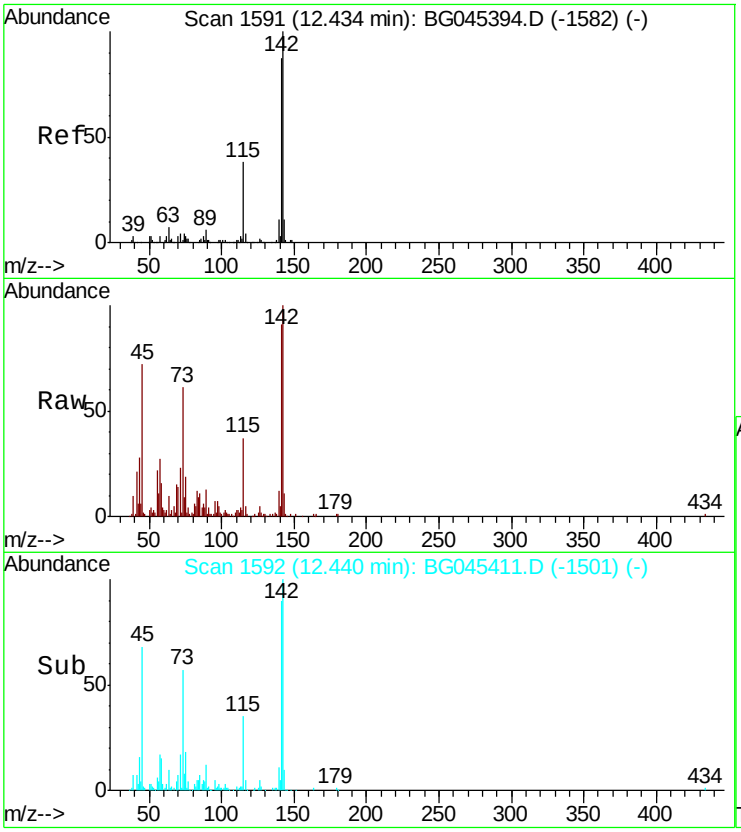




#32
Benzoic acid
Concen: 26.307 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.08 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:122 Resp: 55528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 114.6 | 107.9 | 147.9 |
| 77 | 102.6 | 78.9 | 118.9 |



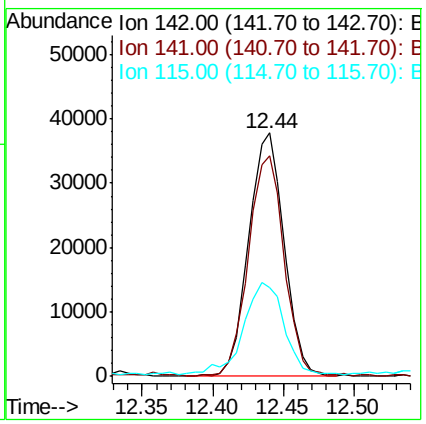


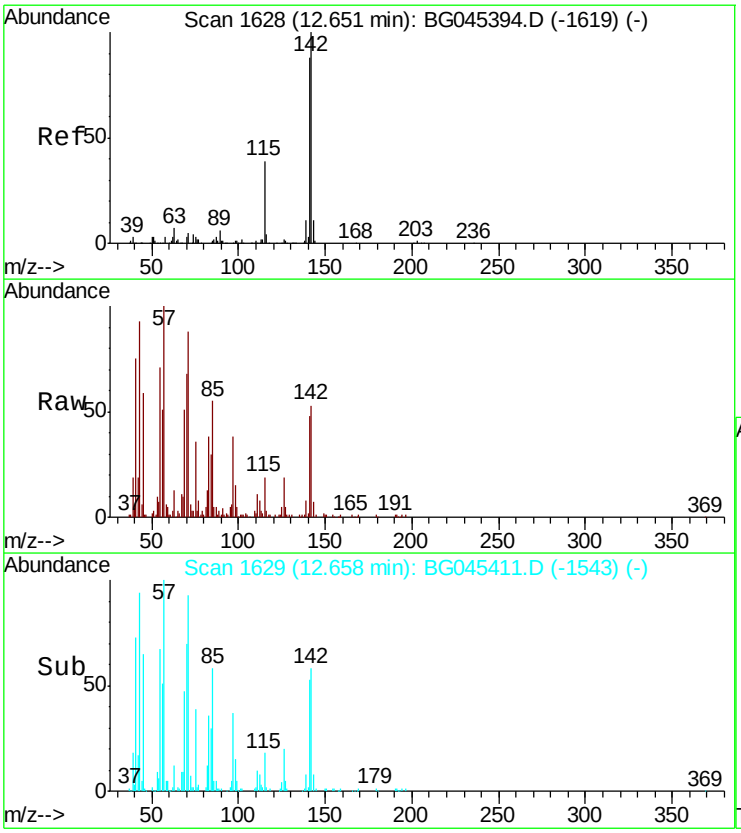

#37
2-Methylnaphthalene
Concen: 6.023 ng
RT: 12.44 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:142 Resp: 66568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 70.0 | 105.0 |
| 115 | 36.6 | 30.8 | 46.2 |

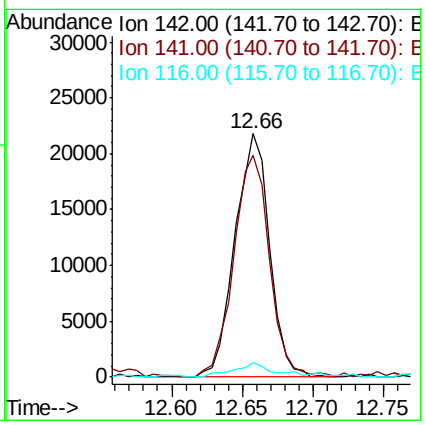


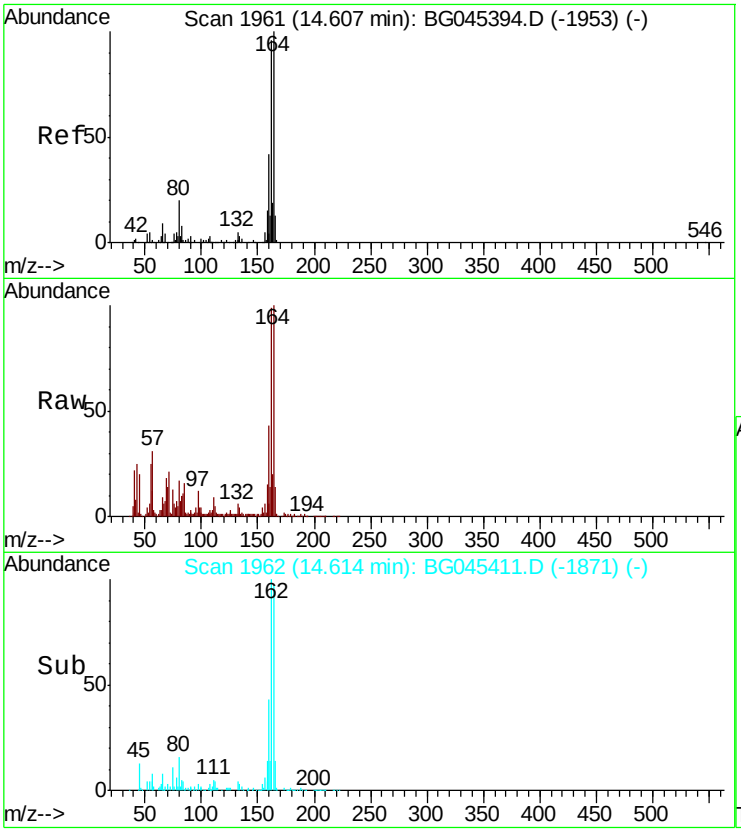




#38
1-Methylnaphthalene
Concen: 3.562 ng
RT: 12.66 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:142 Resp: 37193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 70.8 | 106.2 |
| 116 | 5.9 | 3.0 | 4.6# |



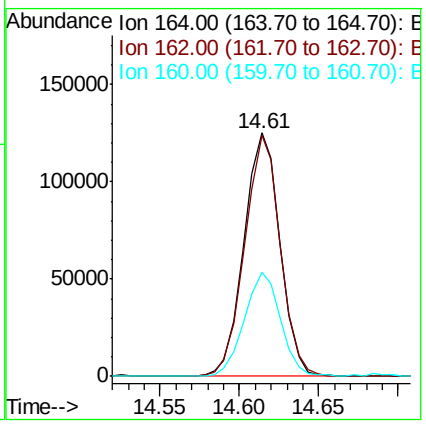


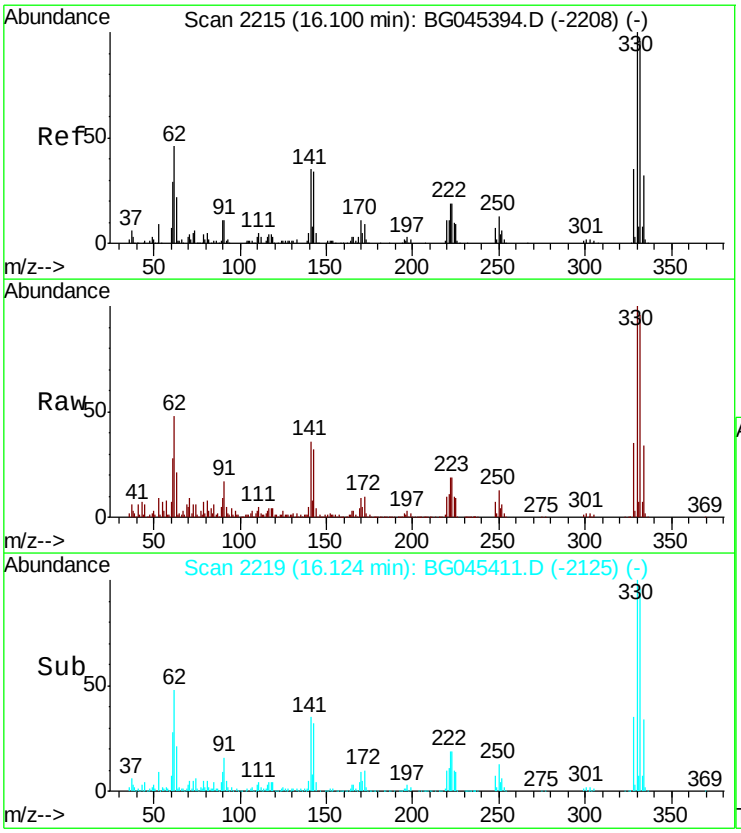

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1962
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:164 Resp: 196745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.0 | 76.9 | 115.3 |
| 160 | 42.7 | 33.8 | 50.8 |

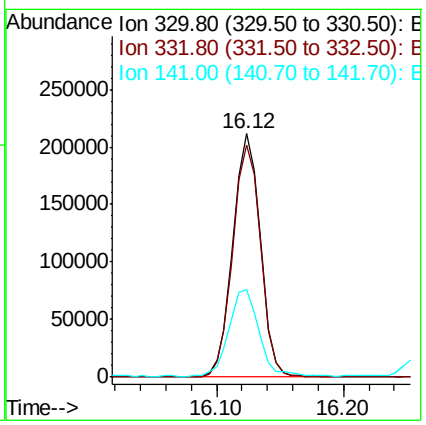


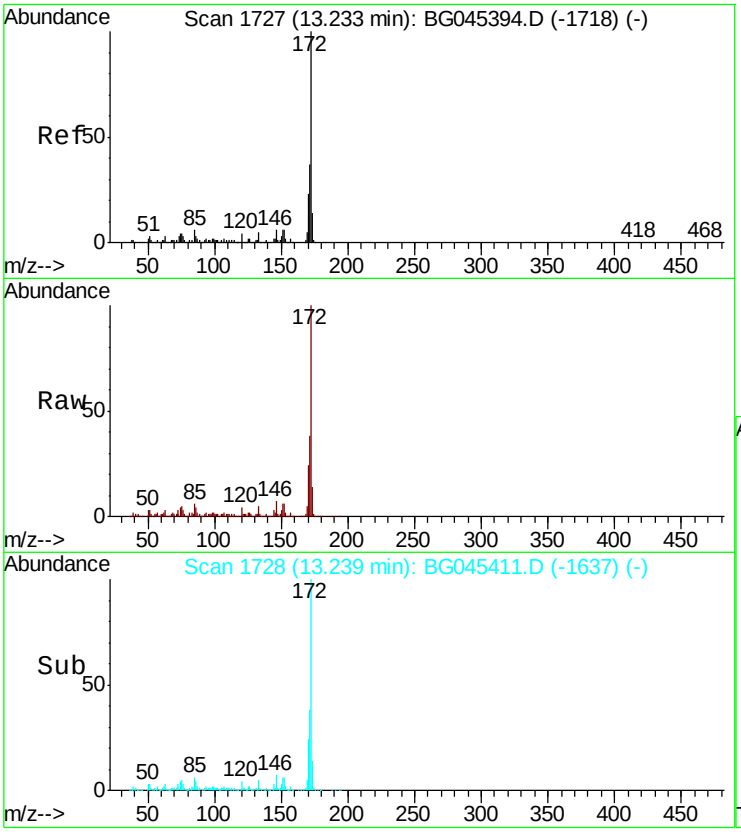




#42
2,4,6-Tribromophenol
Concen: 125.894 ng
RT: 16.12 min Scan# 2219
Delta R.T. 0.02 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:330 Resp: 316768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 78.2 | 117.4 |
| 141 | 39.1 | 28.2 | 42.4 |



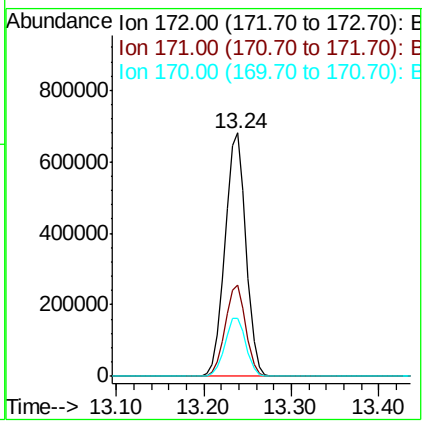


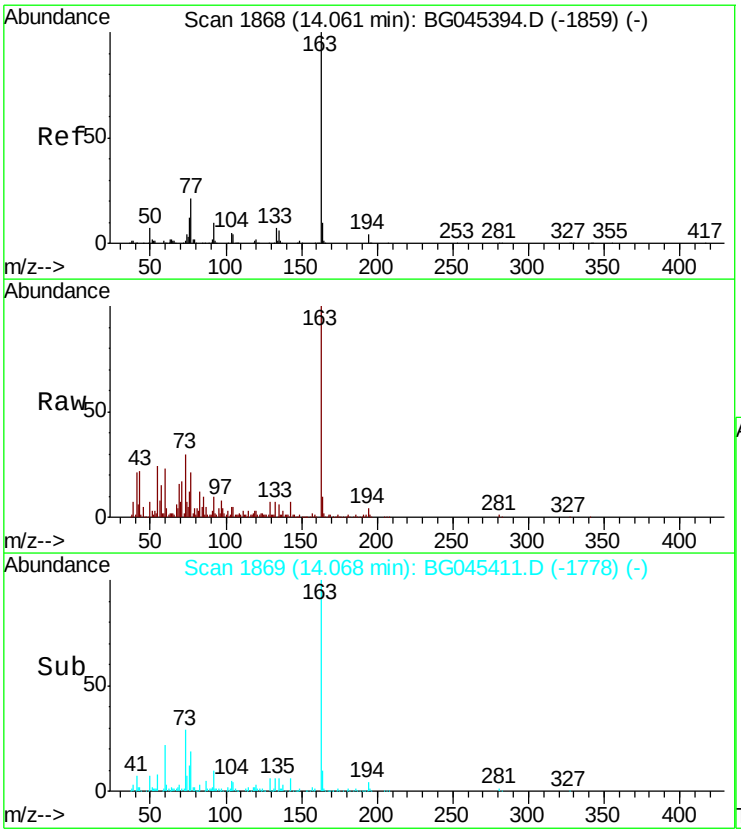

#45
2-Fluorobiphenyl
Concen: 96.061 ng
RT: 13.24 min Scan# 1728
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:172 Resp: 1114228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.6 | 29.5 | 44.3 |
| 170 | 24.1 | 18.5 | 27.7 |

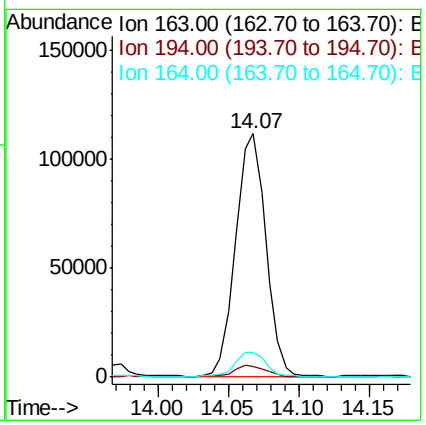


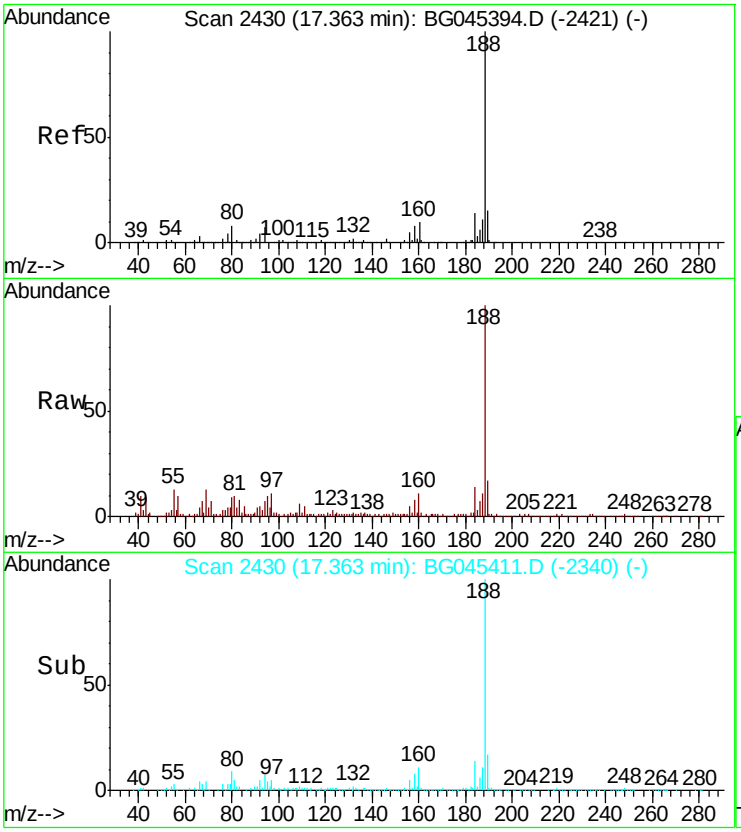




#50
Dimethylphthalate
Concen: 12.346 ng
RT: 14.07 min Scan# 1869
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:163 Resp: 166629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.2 | 4.8 |
| 164 | 10.1 | 8.3 | 12.5 |



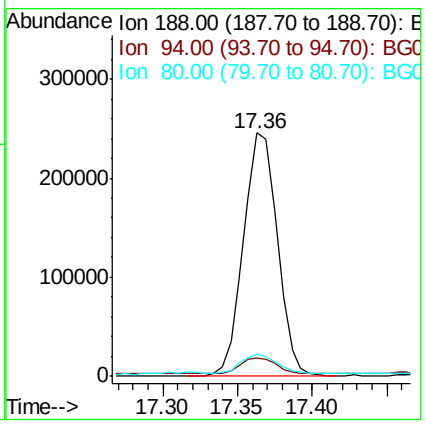


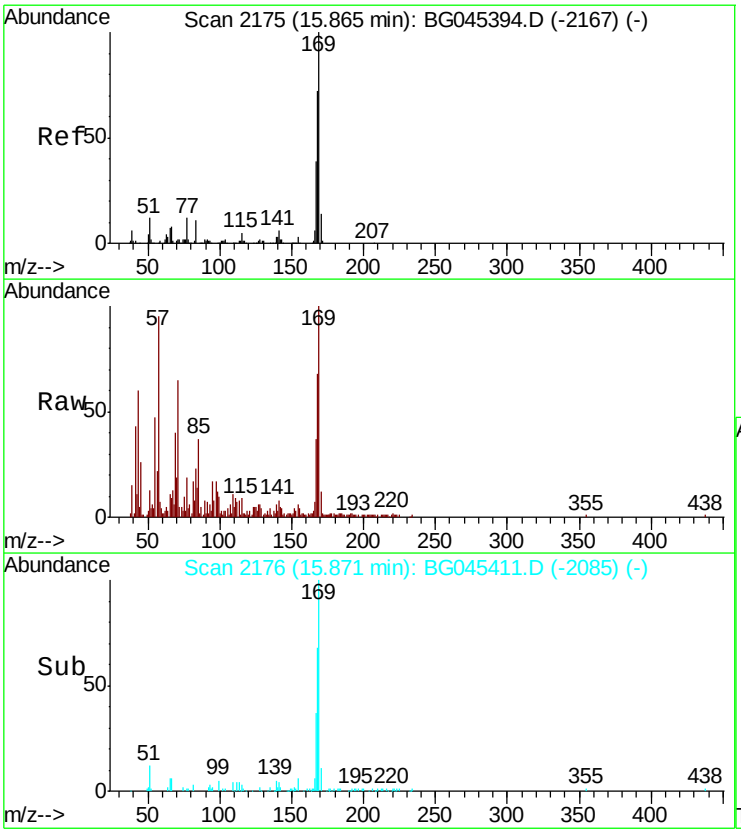

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.36 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:188 Resp: 385858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 5.5 | 8.3 |
| 80 | 9.3 | 6.6 | 10.0 |

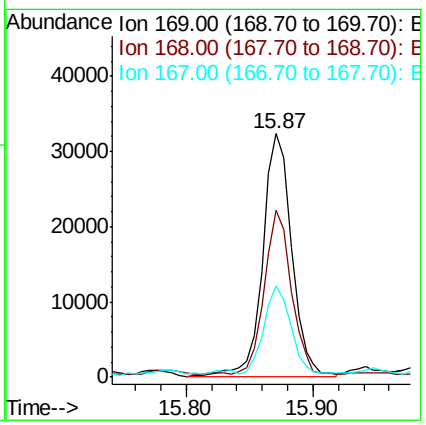


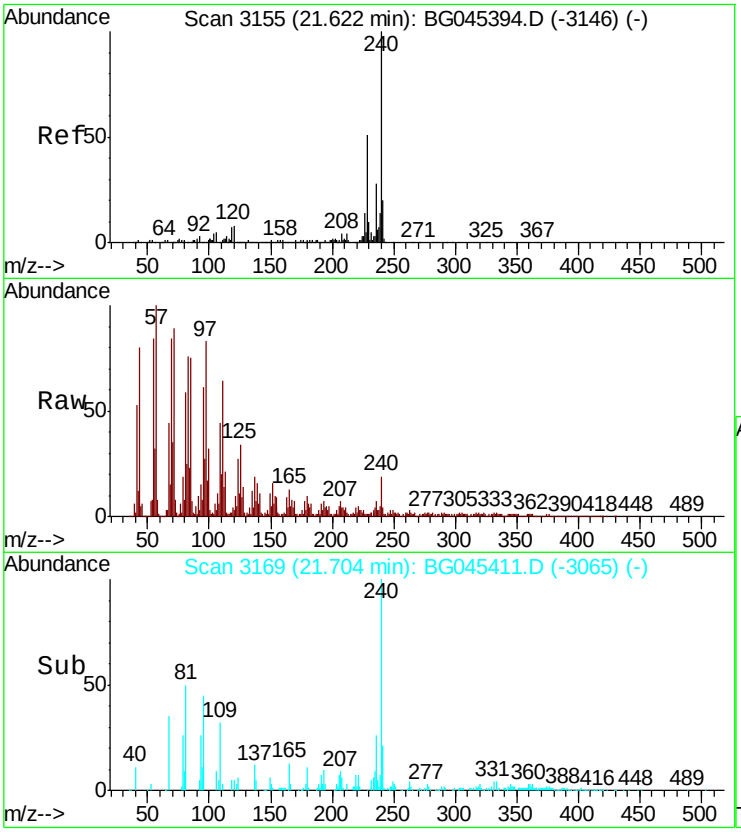




#66
n-Nitrosodiphenylamine
Concen: 5.578 ng
RT: 15.87 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:169 Resp: 51673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.3 | 57.8 | 86.6 |
| 167 | 37.3 | 31.5 | 47.3 |



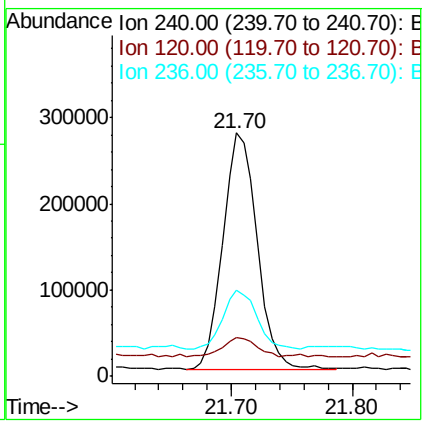


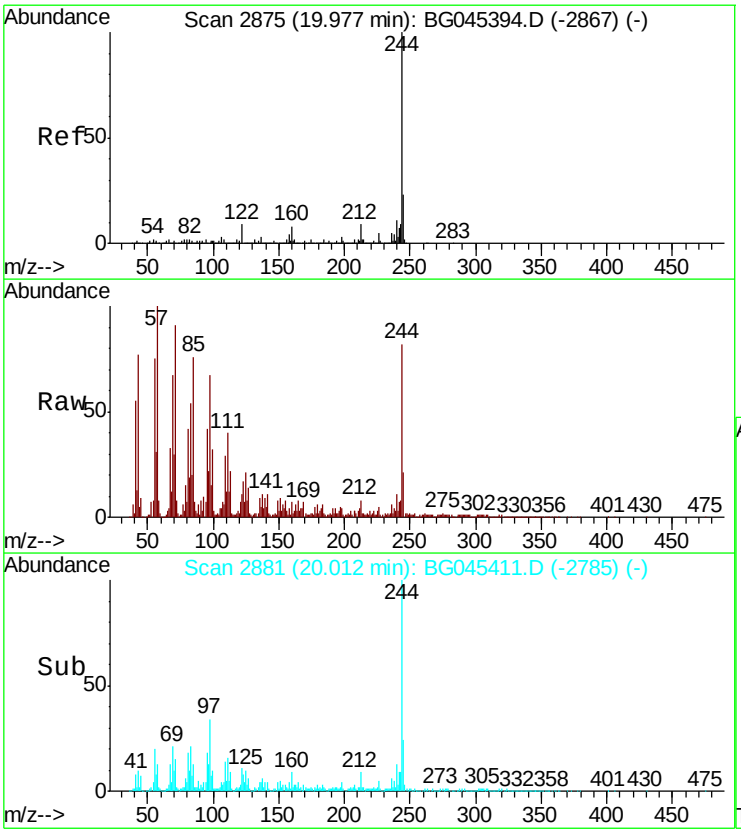

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3169
Delta R.T. 0.08 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:240 Resp: 536130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.7 | 6.1 | 9.1# |
| 236 | 35.2 | 22.3 | 33.5# |

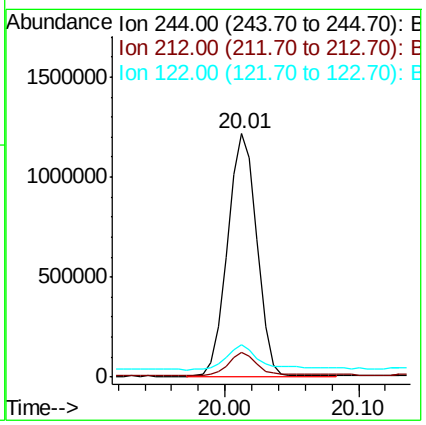


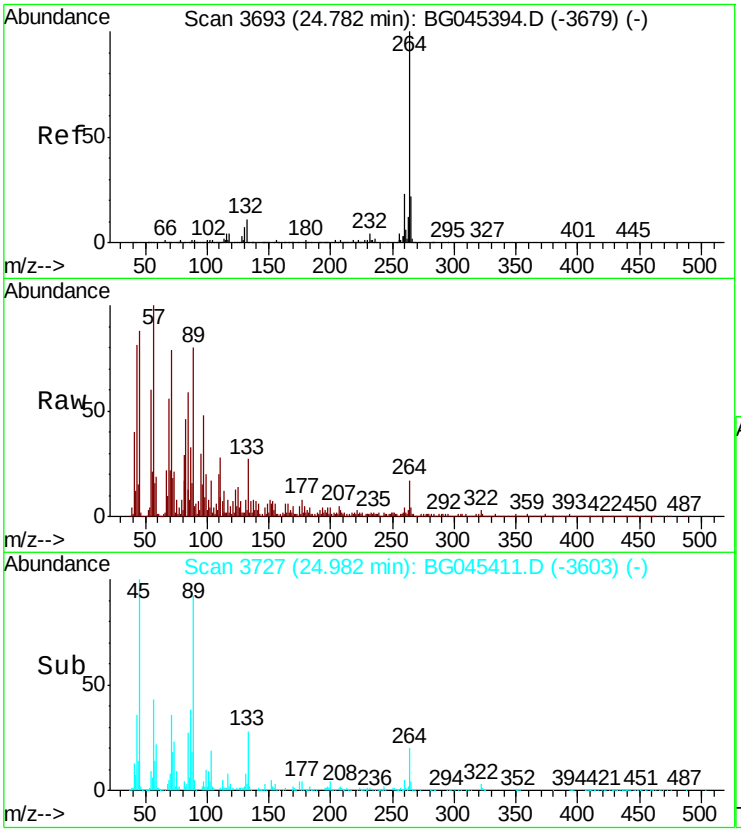




#79
Terphenyl-d14
Concen: 80.664 ng
RT: 20.01 min Scan# 2881
Delta R.T. 0.04 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:244 Resp: 1854228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.9 | 7.4 | 11.0 |
| 122 | 13.2 | 6.8 | 10.2# |






#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3727
Delta R.T. 0.20 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

**Instrument :**
BNA_G
**ClientSampleId :**
1378

Tgt Ion:264 Resp: 481751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.8 | 18.2 | 27.4 |
| 265 | 24.0 | 17.6 | 26.4 |