Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051053.D
Acq On : 15 Nov 2021 22:49
Operator : CG/JU
Sample : M4573-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Quant Time: Nov 16 00:41:33 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.223 | 152 | 37217 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.050 | 136 | 165608 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.851 | 164 | 114579 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.601 | 188 | 248751 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 21.896 | 240 | 218257 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 25.303 | 264 | 212768 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.762 | 112 | 66373 | 26.678 | ng | 0.00 |
| 7) Phenol-d6 | 7.372 | 99 | 61884 | 17.623 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.399 | 82 | 254417 | 68.005 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.337 | 330 | 77736 | 67.796 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.470 | 172 | 499189 | 68.838 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.186 | 244 | 793480 | 66.522 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 20) 3+4-Methylphenols | 8.987 | 107 | 14825 | 4.375 | ng | 89 |
| 32) Benzoic acid | 10.303 | 122 | 10862 | 5.898 | ng | # 79 |

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

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Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
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Quant Time: Nov 16 00:41:33 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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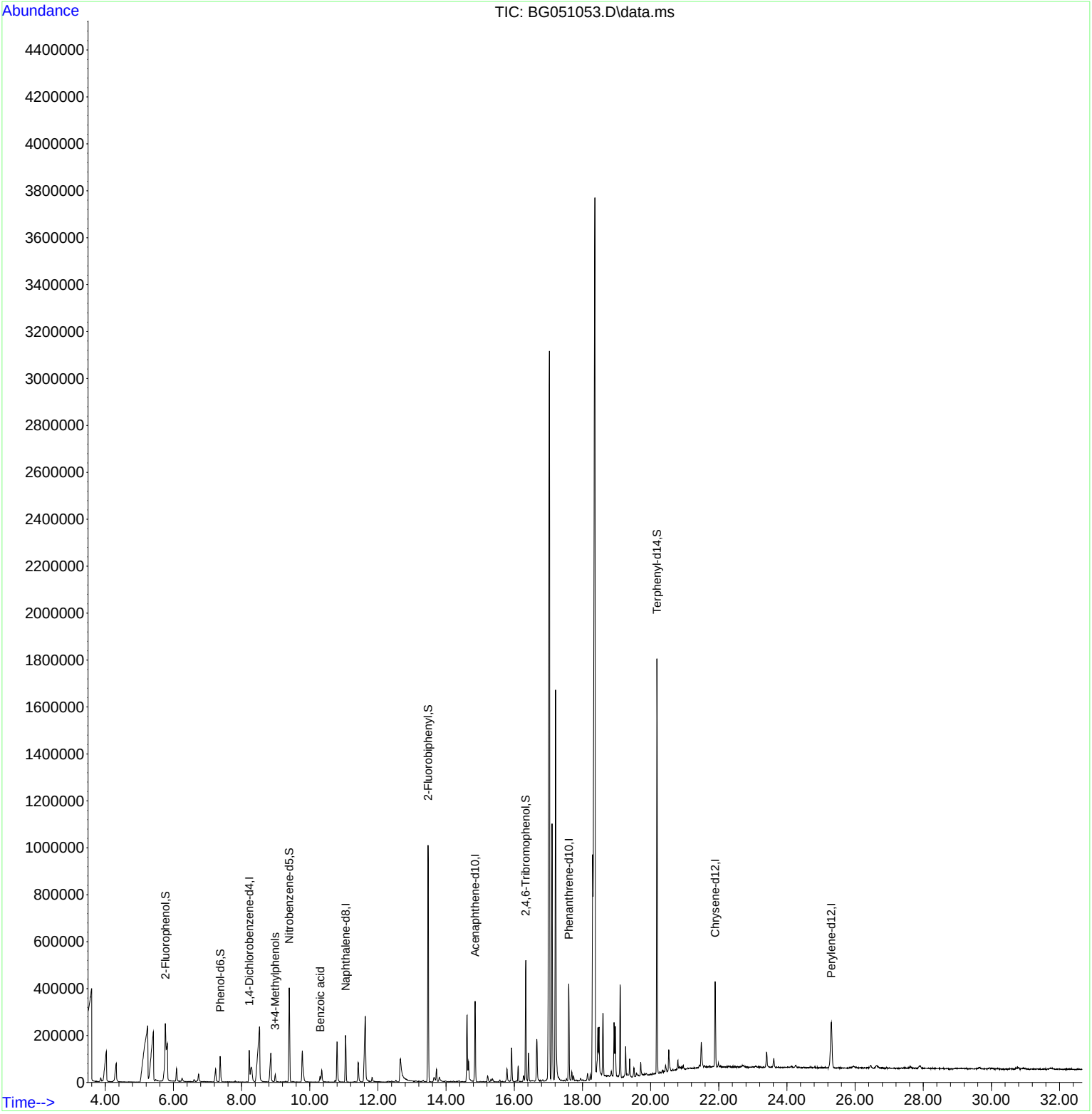
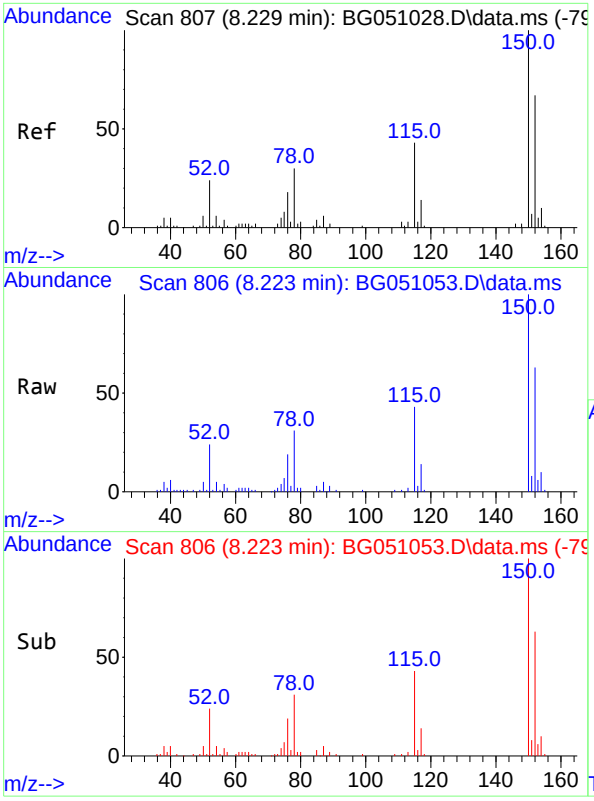


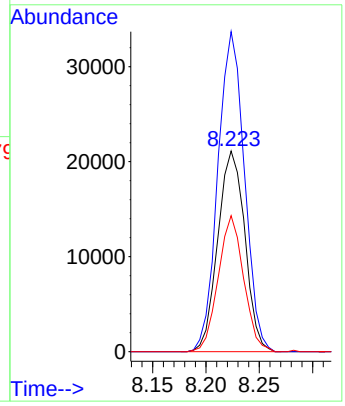


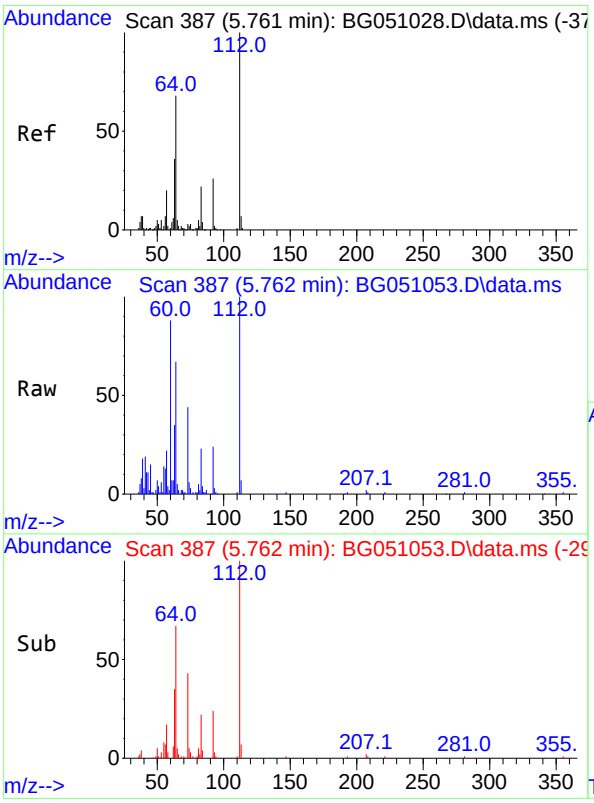

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion:152 Resp: 37217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.5 | 119.4 | 179.0 |
| 115 | 67.8 | 60.2 | 90.4 |

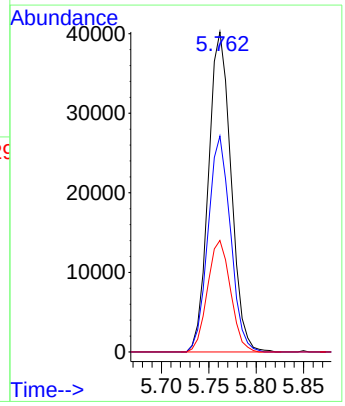


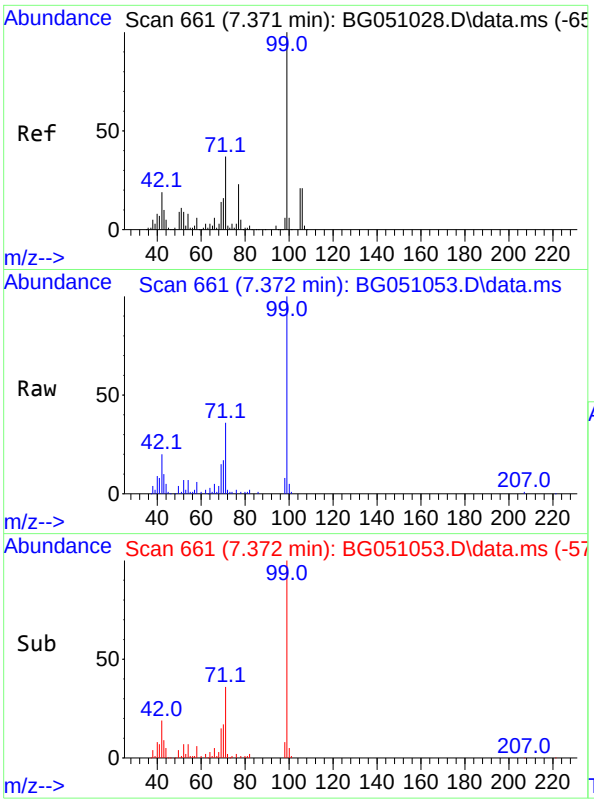




#5
2-Fluorophenol
Concen: 26.678 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion:112 Resp: 66373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.5 | 46.7 | 70.1 |
| 63 | 34.9 | 35.3 | 52.9# |



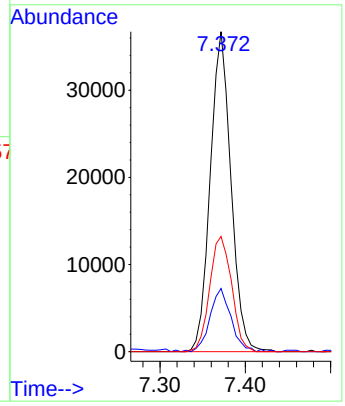


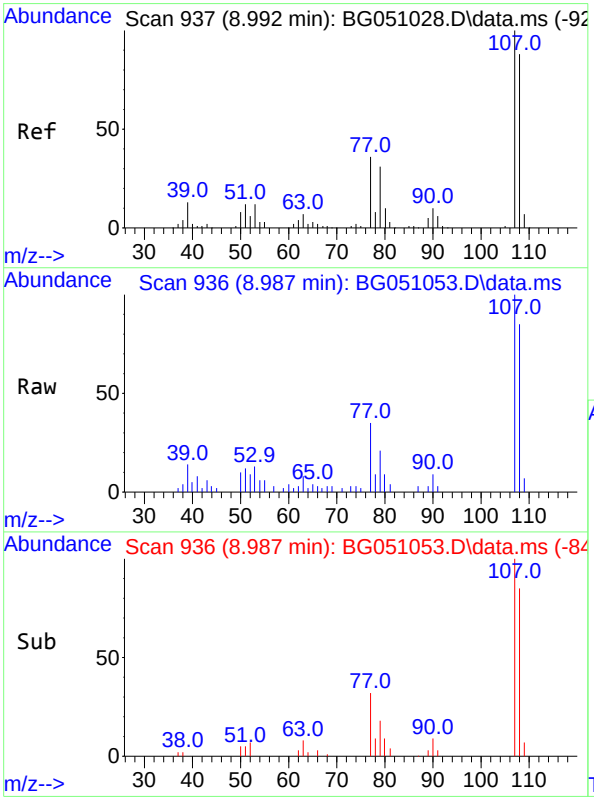

#7
Phenol-d6
Concen: 17.623 ng
RT: 7.372 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion: 99 Resp: 61884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.7 | 20.5 | 30.7# |
| 71 | 36.0 | 41.5 | 62.3# |

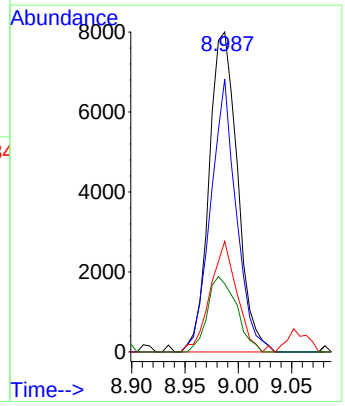


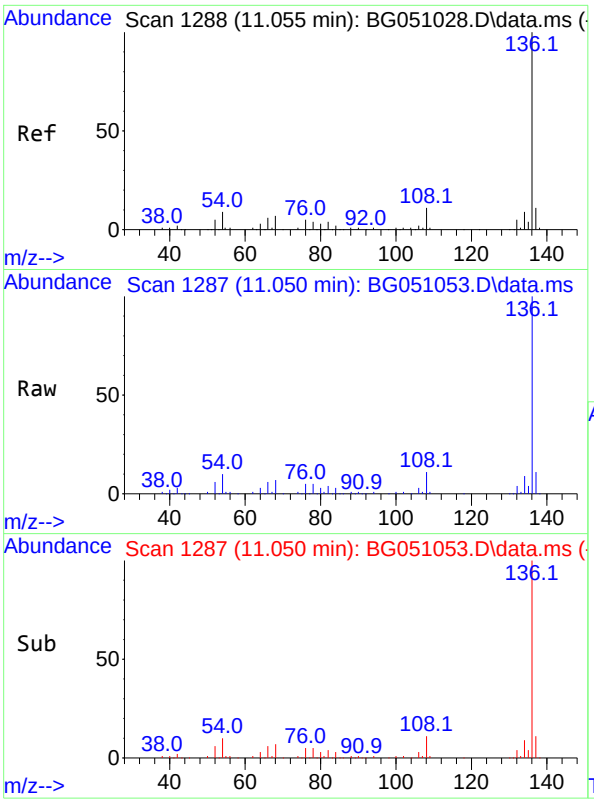




#20
3+4-Methylphenols
Concen: 4.375 ng
RT: 8.987 min Scan# 936
Delta R.T. -0.005 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion:107 Resp: 14825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.3 | 69.3 | 109.3 |
| 77 | 34.6 | 25.2 | 65.2 |
| 79 | 21.3 | 15.1 | 55.1 |



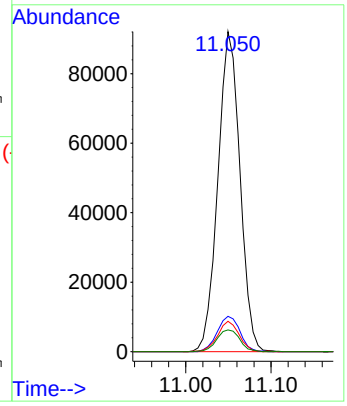


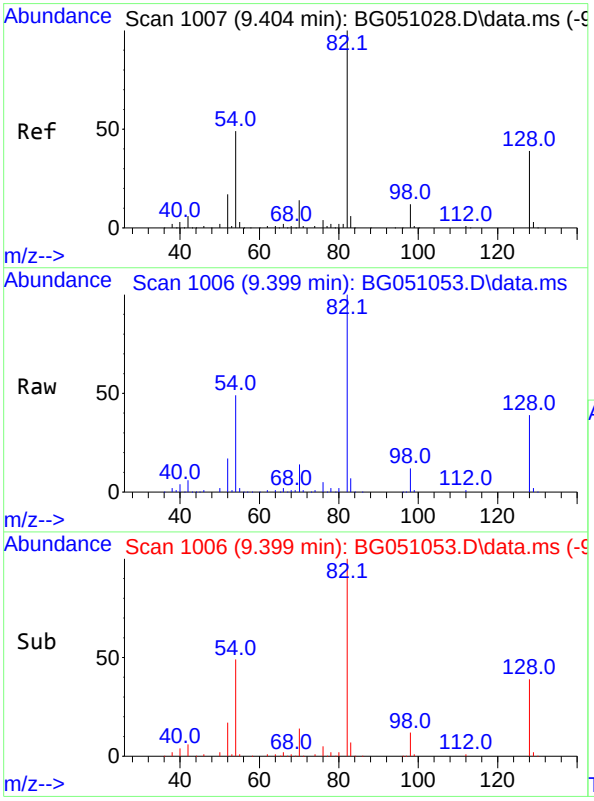

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion:136 Resp: 165608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.2 | 12.2 |
| 54 | 9.5 | 5.5 | 8.3# |
| 68 | 6.8 | 2.3 | 3.5# |

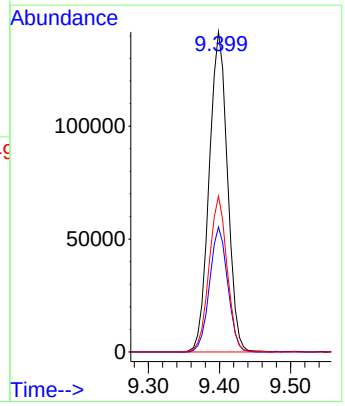


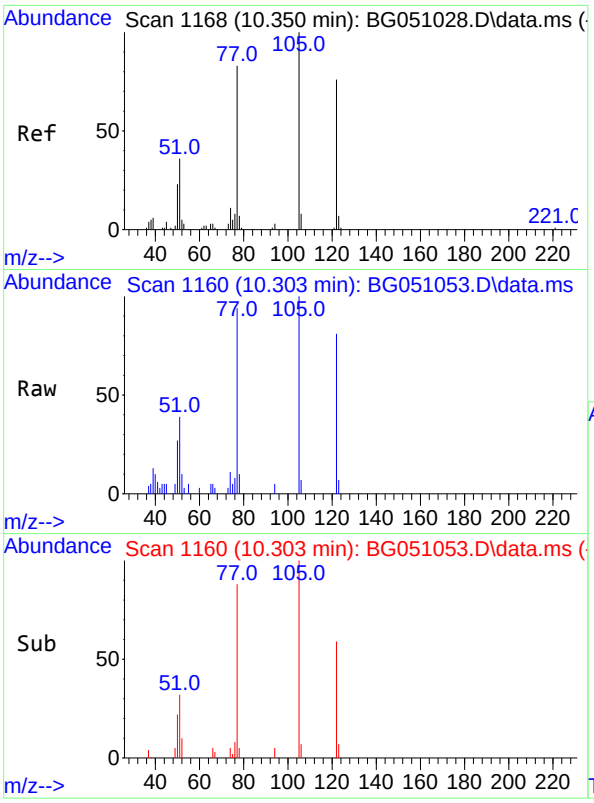




#23
Nitrobenzene-d5
Concen: 68.005 ng
RT: 9.399 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion: 82 Resp: 254417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 29.8 | 44.6 |
| 54 | 48.7 | 45.8 | 68.8 |



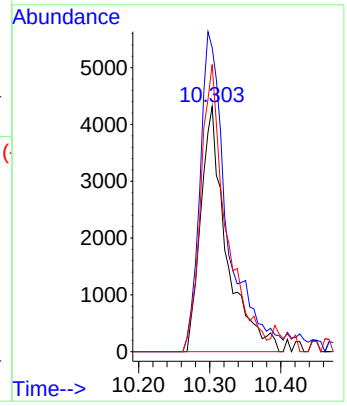


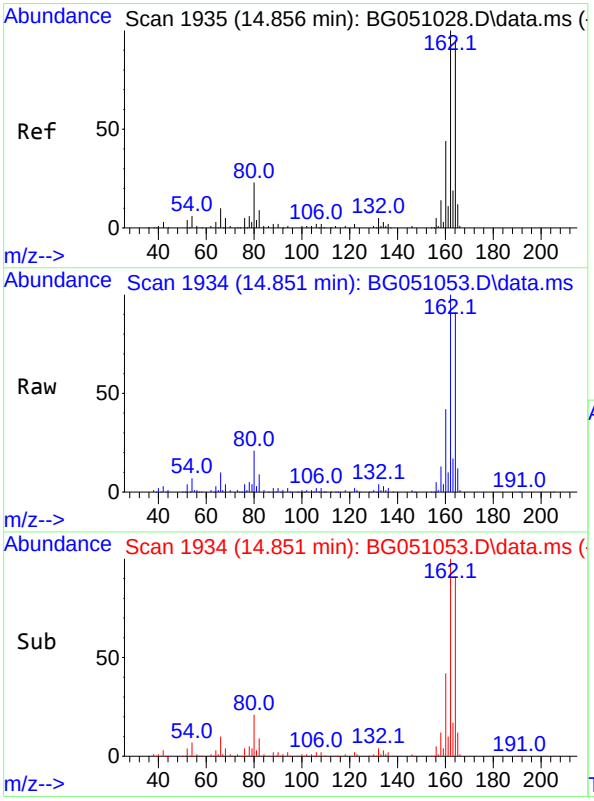

#32
Benzoic acid
Concen: 5.898 ng
RT: 10.303 min Scan# 11
Delta R.T. -0.046 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion:122 Resp: 10862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 92.3 | 132.3 |
| 77 | 117.1 | 66.5 | 106.5# |

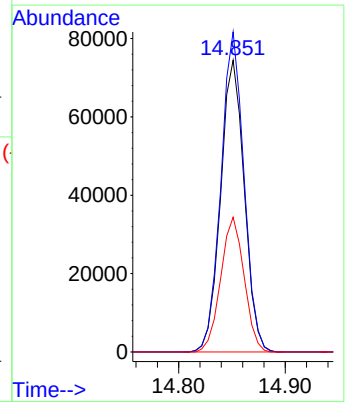


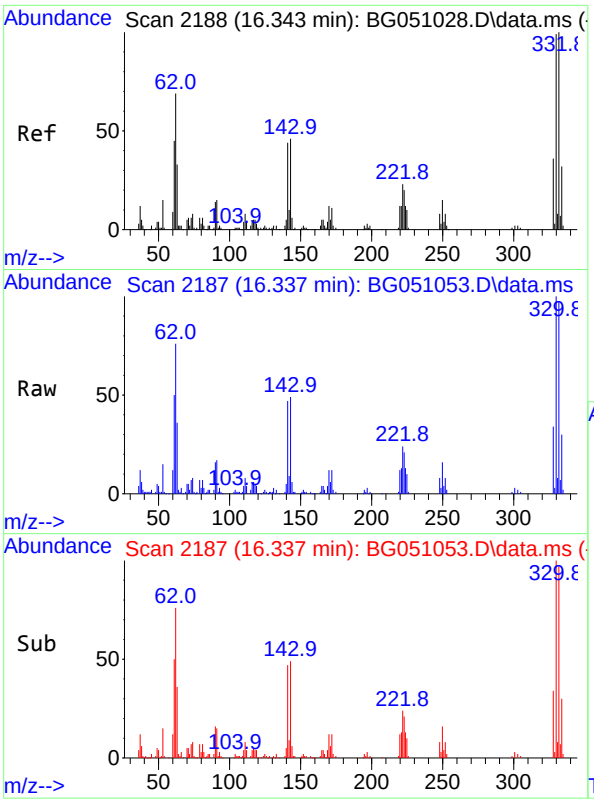




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion:164 Resp: 114579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 109.7 | 81.4 | 122.0 |
| 160 | 46.2 | 34.9 | 52.3 |



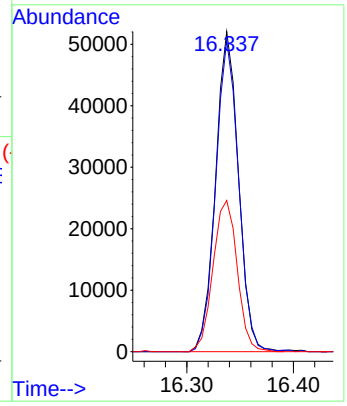


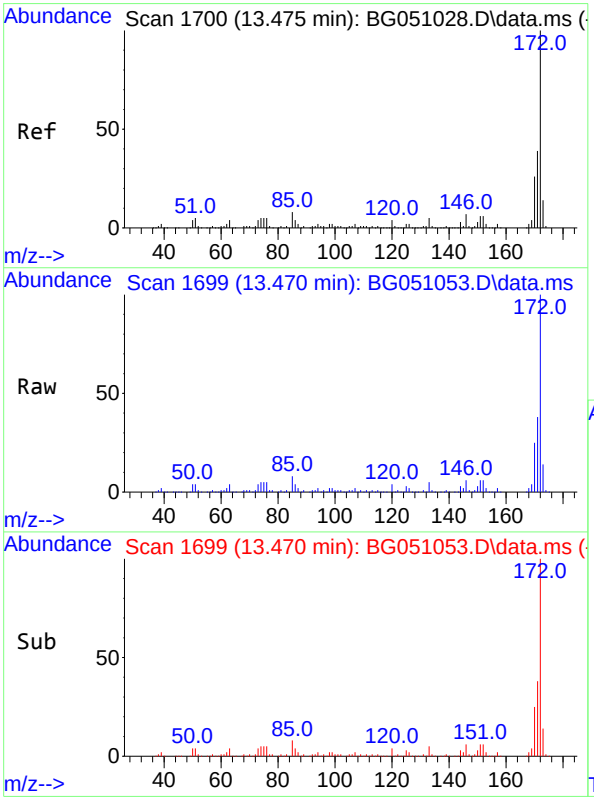

#42
2,4,6-Tribromophenol
Concen: 67.796 ng
RT: 16.337 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion:330 Resp: 77736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 77.3 | 115.9 |
| 141 | 49.8 | 35.6 | 53.4 |

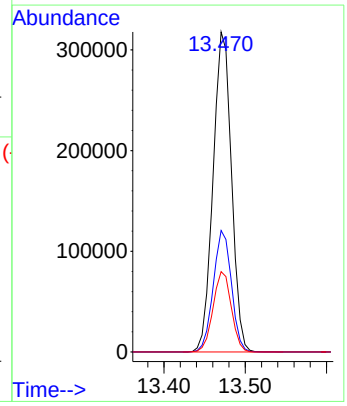


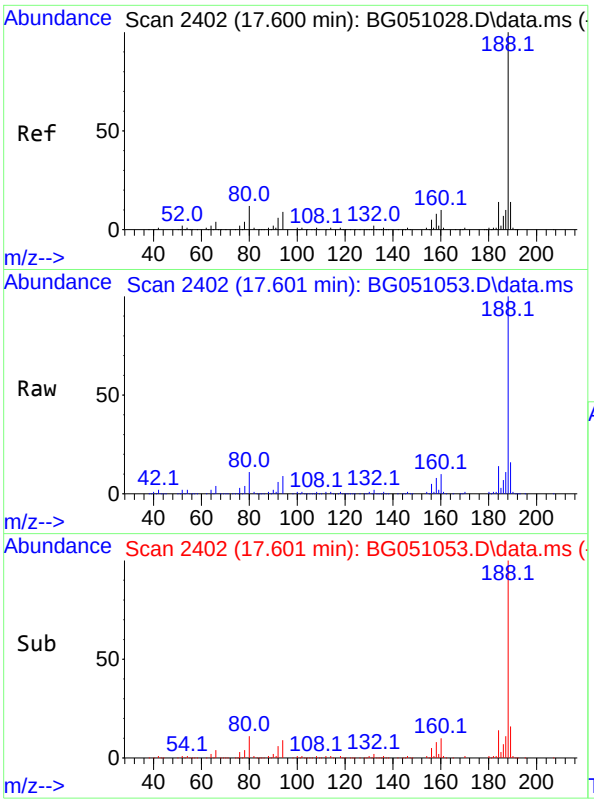




#45
2-Fluorobiphenyl
Concen: 68.838 ng
RT: 13.470 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion:172 Resp: 499189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.0 | 28.6 | 43.0 |
| 170 | 25.1 | 18.6 | 27.8 |



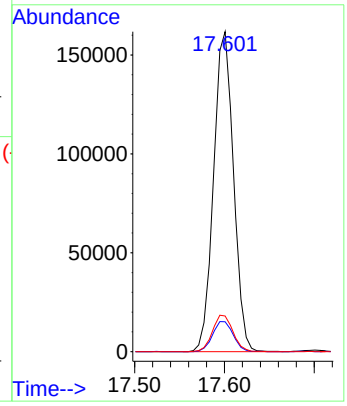


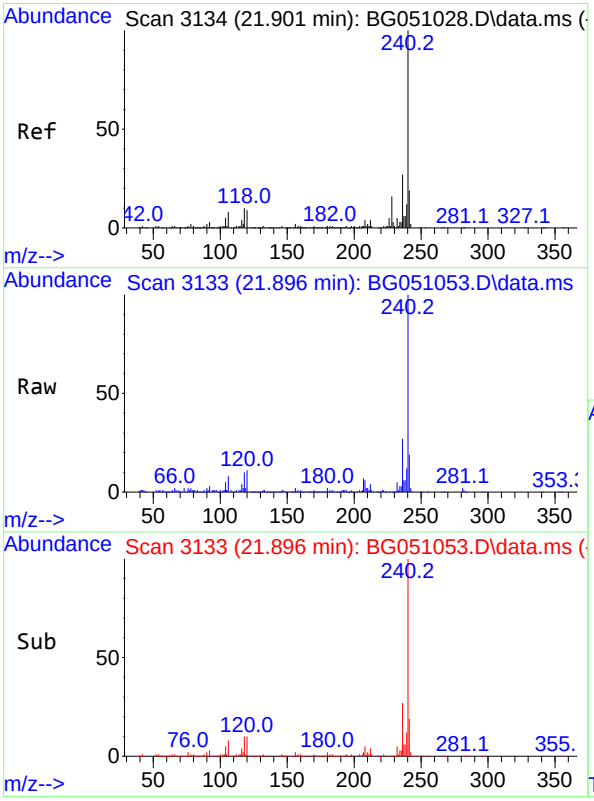

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion:188 Resp: 248751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.4 | 5.4 | 8.0# |
| 80 | 11.2 | 3.7 | 5.5# |

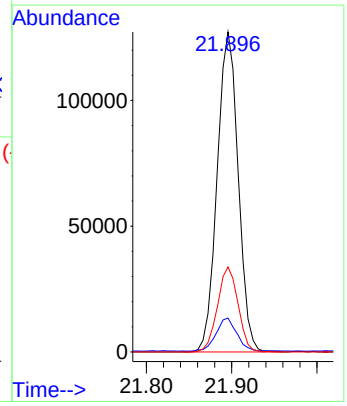


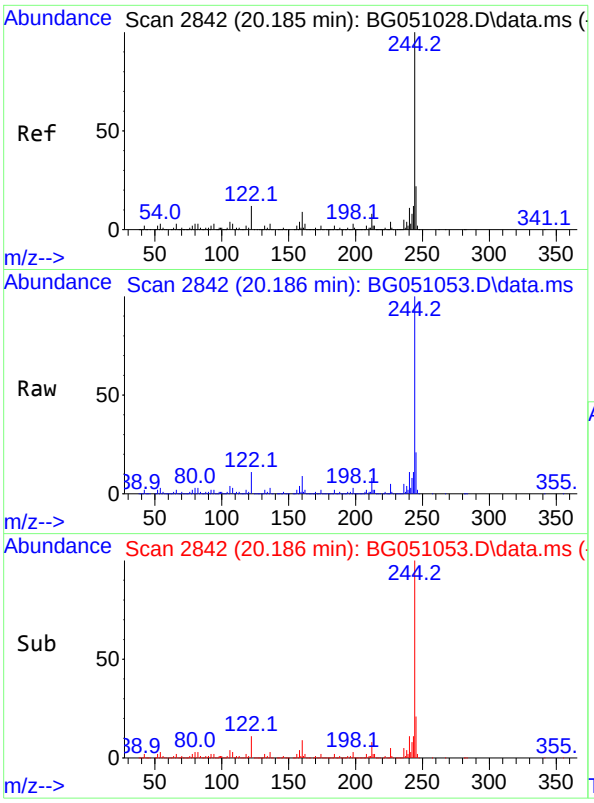




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion:240 Resp: 218257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.6 | 4.2 | 6.2# |
| 236 | 26.6 | 21.8 | 32.6 |



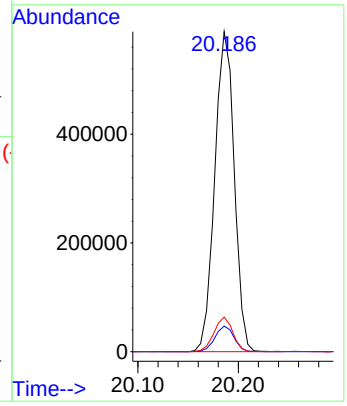


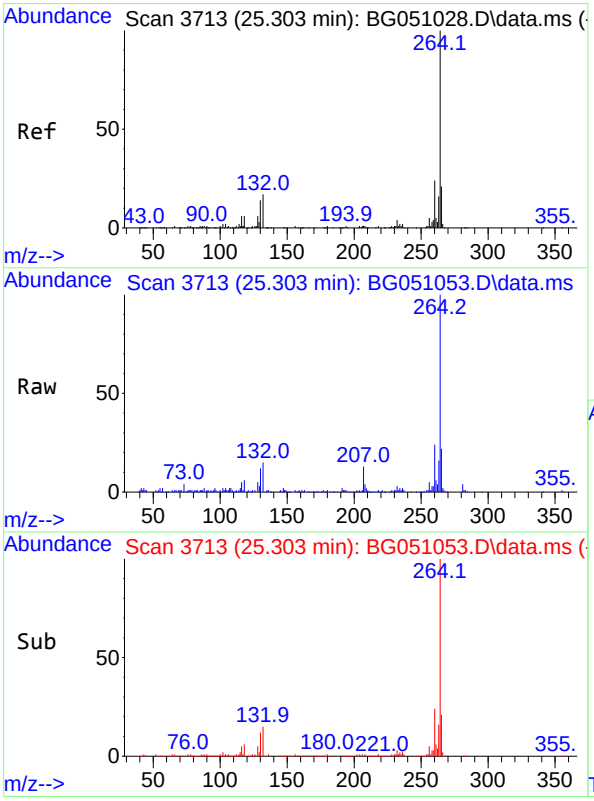

#79
Terphenyl-d14
Concen: 66.522 ng
RT: 20.186 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

**Instrument :**
BNA_G
**ClientSampleId :**
MBR1

Tgt Ion:244 Resp: 793480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.9 | 10.3 |
| 122 | 10.8 | 5.0 | 7.6# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.303 min Scan# 3713
Delta R.T. 0.001 min
Lab File: BG051053.D
Acq: 15 Nov 2021 22:49

Tgt Ion:264 Resp: 212768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.4 | 29.2 |
| 265 | 21.7 | 16.9 | 25.3 |