Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
Data File : BG038506.D
Acq On : 12 Dec 2018 20:06
Operator : JU/SJ
Sample : J6193-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CL-01-121018-A

Quant Time: Dec 13 06:30:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 23716 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 92524 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 58977 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 160821 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 202374 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 210213 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 186143 | 139.21 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 225033 | 122.59 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 184286 | 101.75 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 143238 | 176.23 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 430032 | 100.03 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 1005162 | 108.10 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
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Acq On : 12 Dec 2018 20:06
Operator : JU/SJ
Sample : J6193-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
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QLast Update : Wed Dec 12 15:26:27 2018
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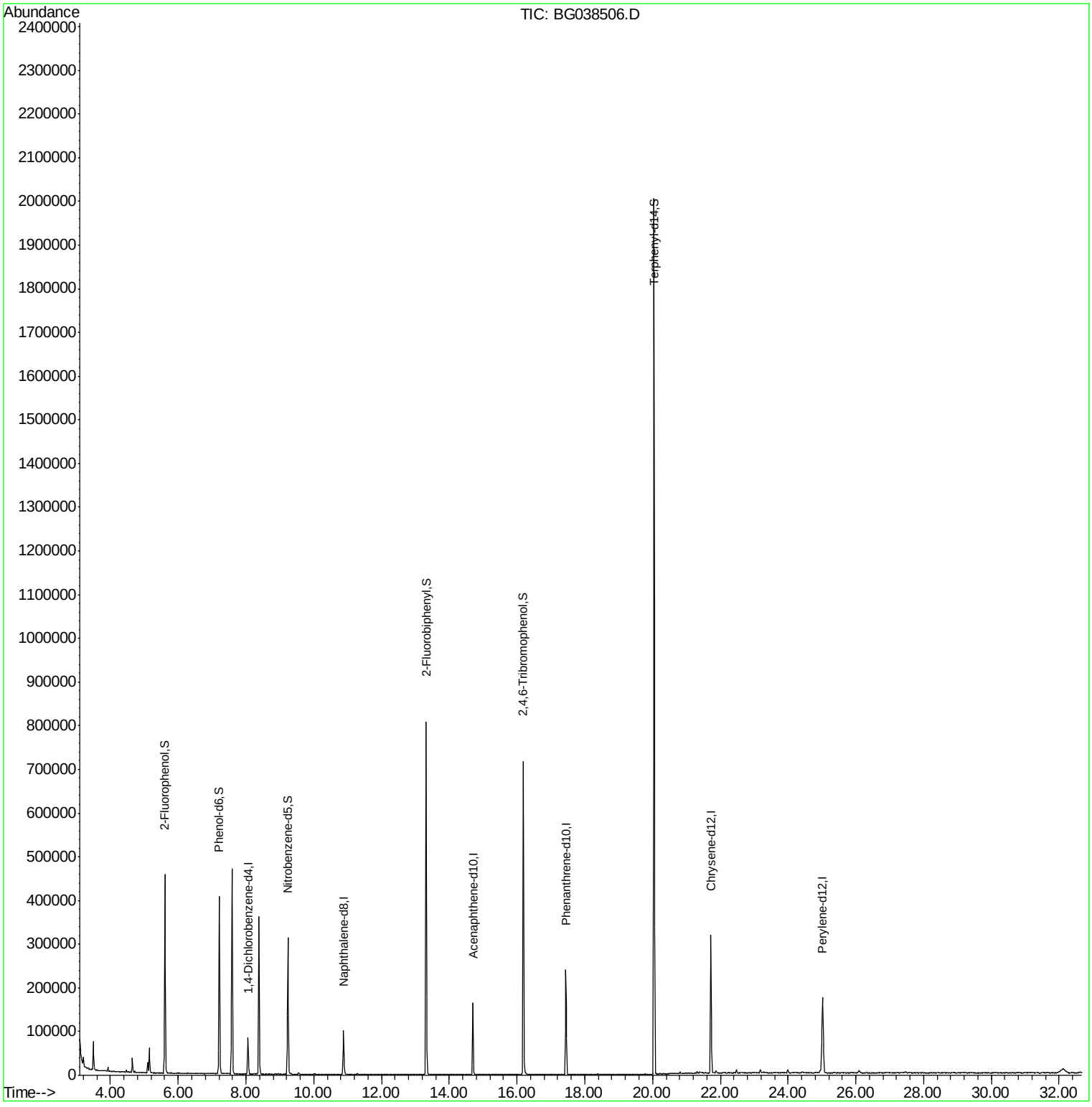
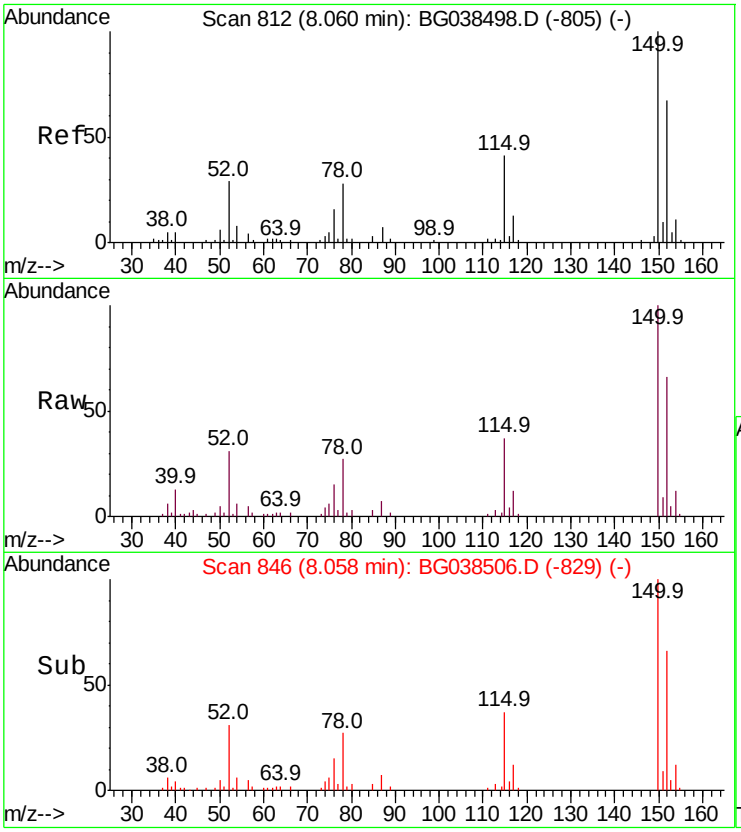


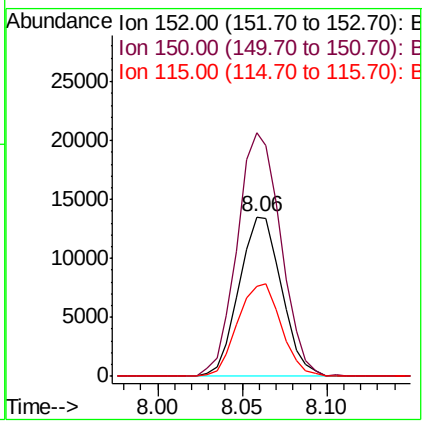


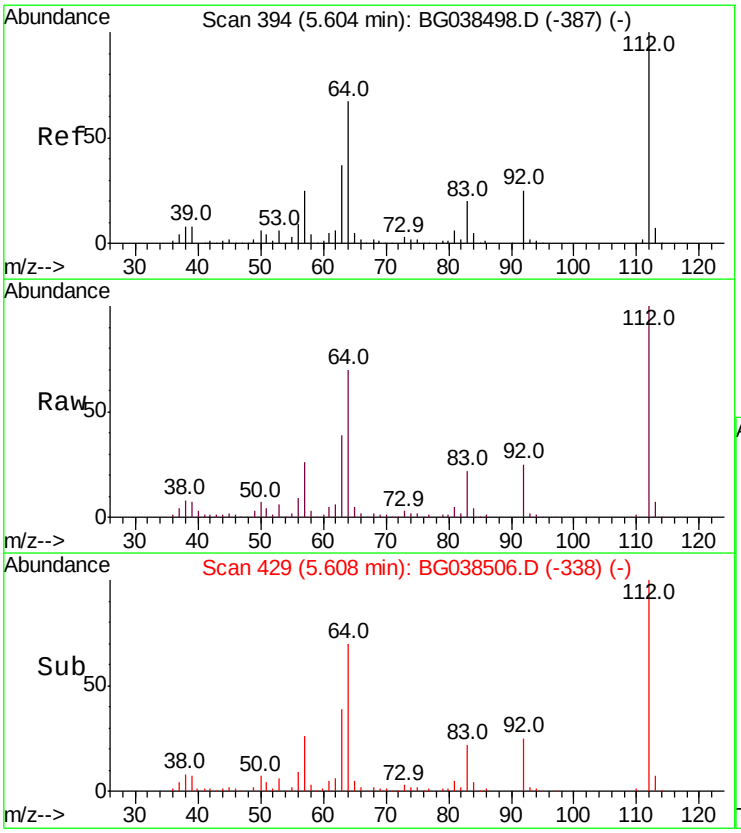

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

Tgt Ion:152 Resp: 23716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.5 | 119.5 | 179.3 |
| 115 | 56.7 | 49.6 | 74.4 |

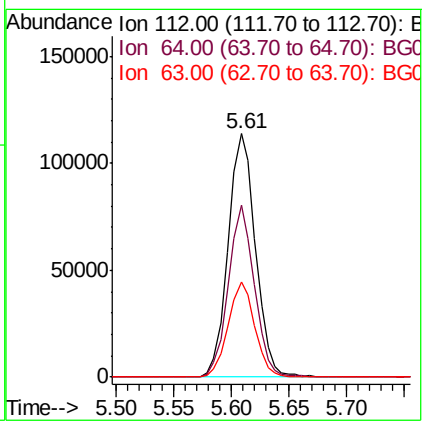


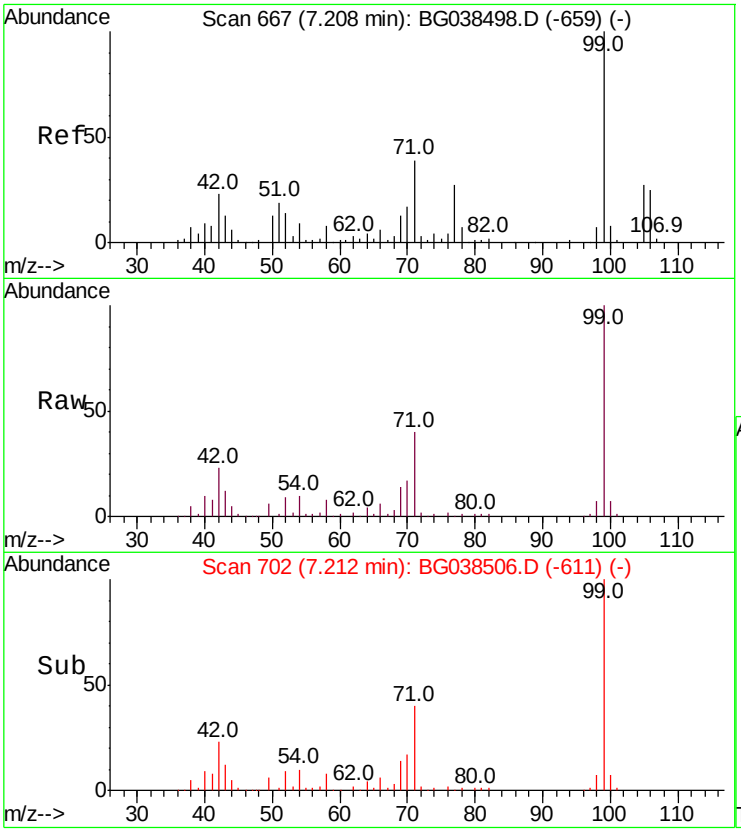




#5
2-Fluorophenol
Concen: 139.211 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

Tgt Ion:112 Resp: 186143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.4 | 53.4 | 80.2 |
| 63 | 39.0 | 29.3 | 43.9 |



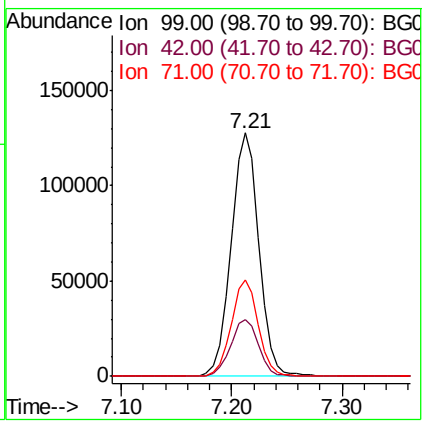


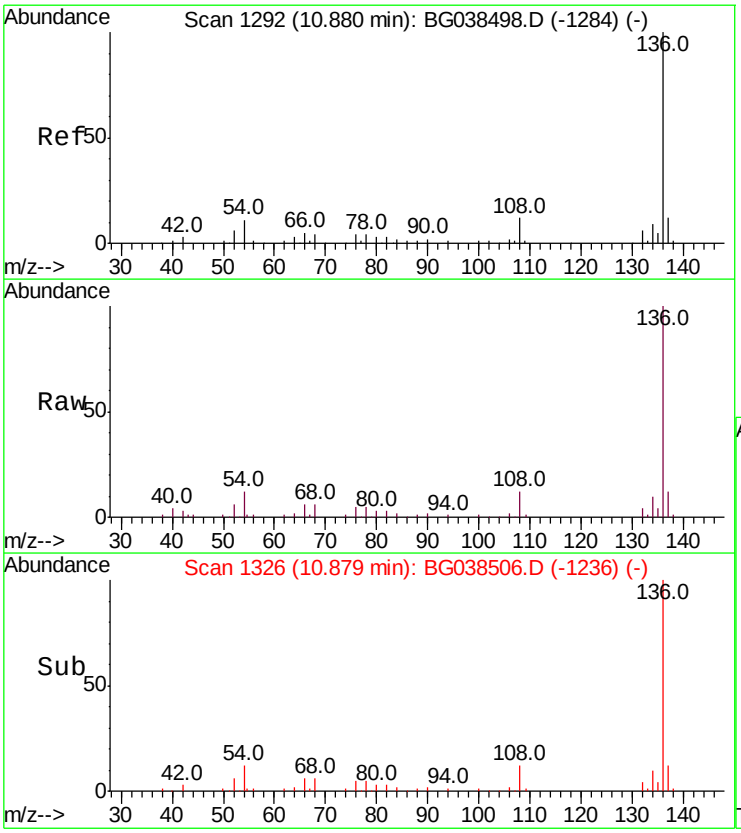

#7
Phenol-d6
Concen: 122.592 ng
RT: 7.21 min Scan# 702
Delta R.T. 0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

Tgt Ion: 99 Resp: 225033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.2 | 18.5 | 27.7 |
| 71 | 39.7 | 31.1 | 46.7 |

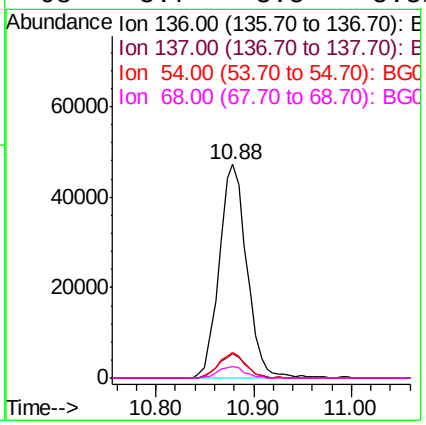


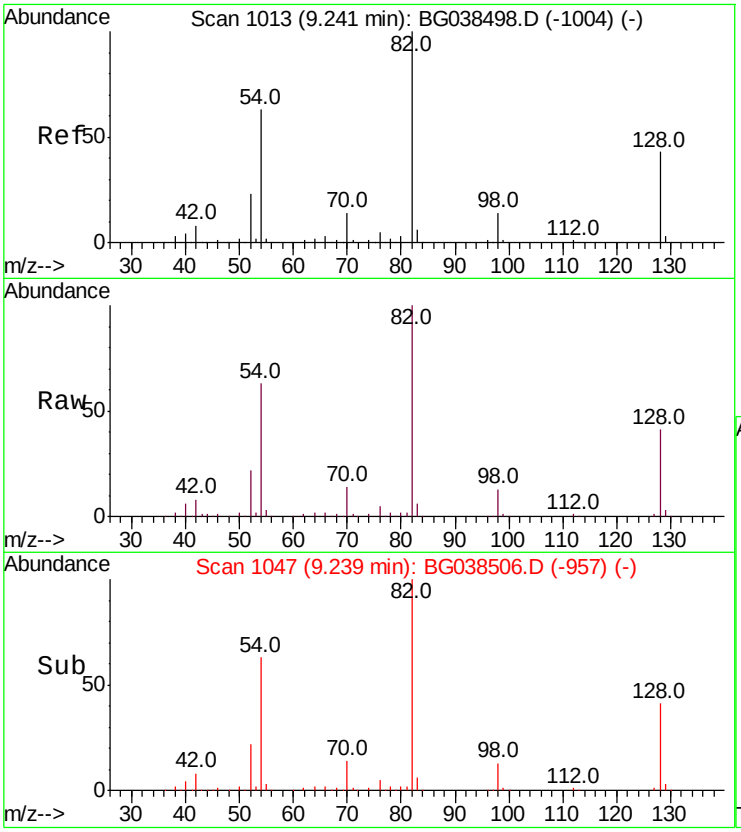




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

Tgt Ion:136 Resp: 92524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.3 | 13.9 |
| 54 | 12.4 | 8.5 | 12.7 |
| 68 | 5.7 | 3.5 | 5.3# |



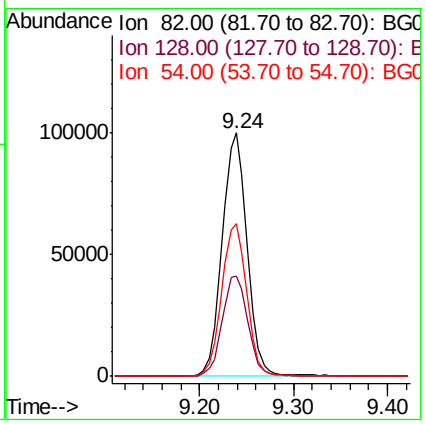


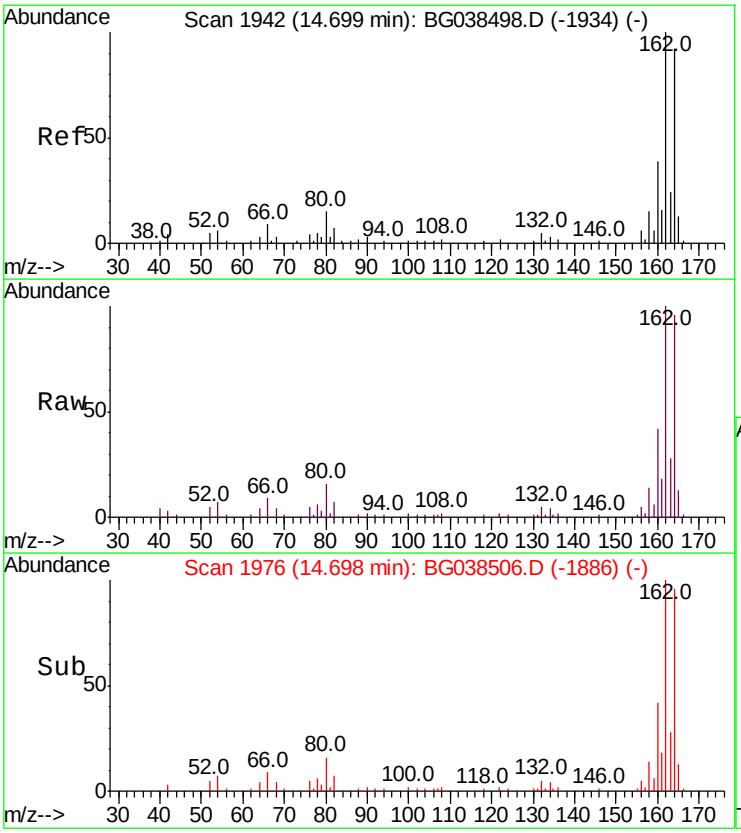

#23
Nitrobenzene-d5
Concen: 101.754 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

Tgt Ion: 82 Resp: 184286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.3 | 34.6 | 52.0 |
| 54 | 62.5 | 50.6 | 76.0 |

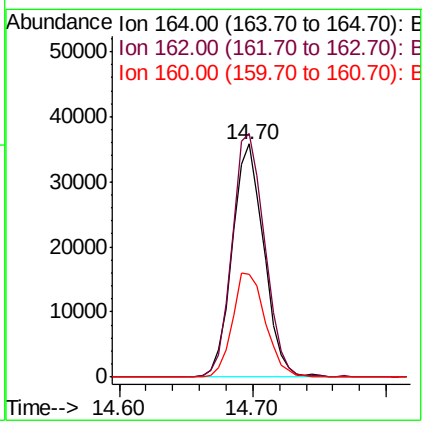


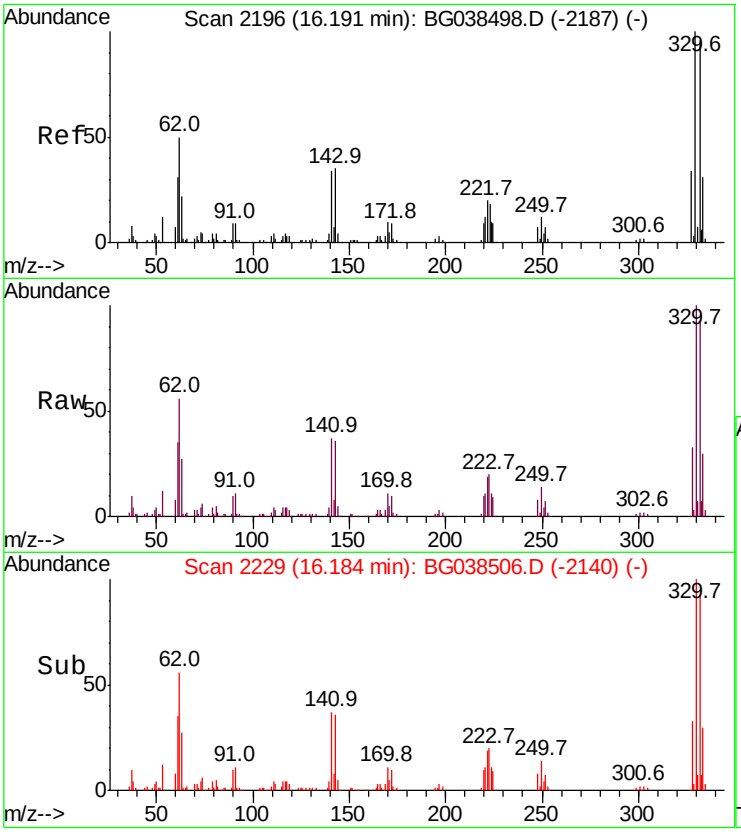




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

Tgt Ion:164 Resp: 58977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 86.6 | 130.0 |
| 160 | 44.3 | 34.2 | 51.2 |



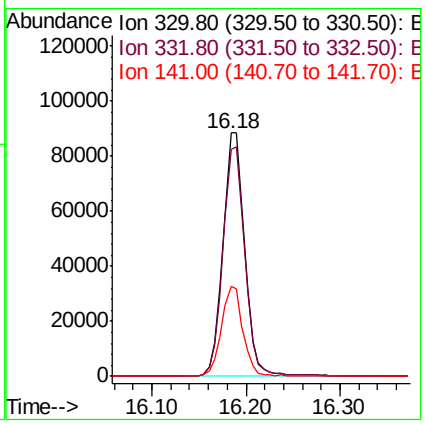


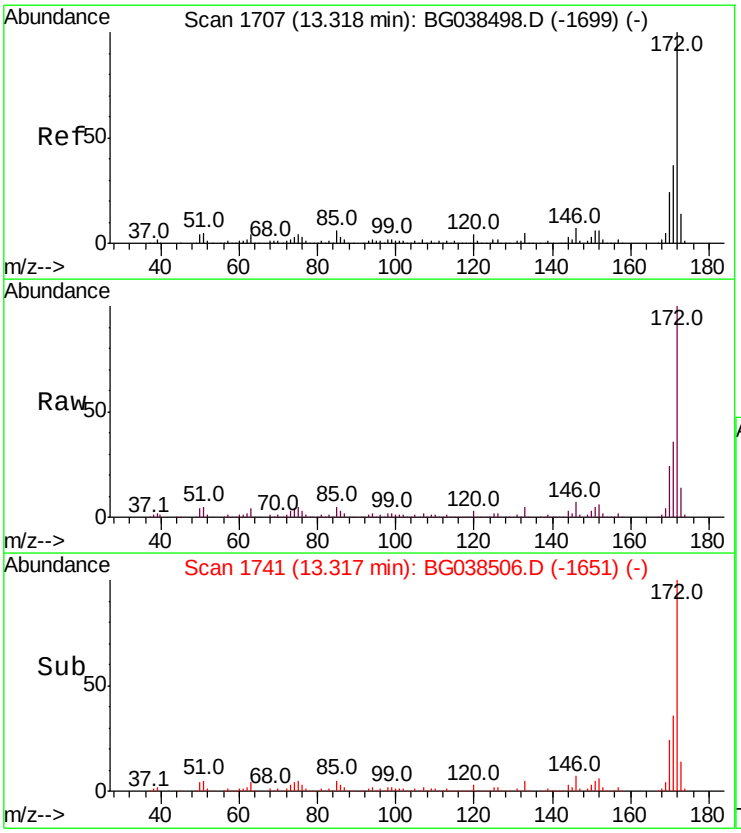

#42
2,4,6-Tribromophenol
Concen: 176.226 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

Tgt Ion:330 Resp: 143238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.7 | 76.9 | 115.3 |
| 141 | 36.5 | 28.8 | 43.2 |

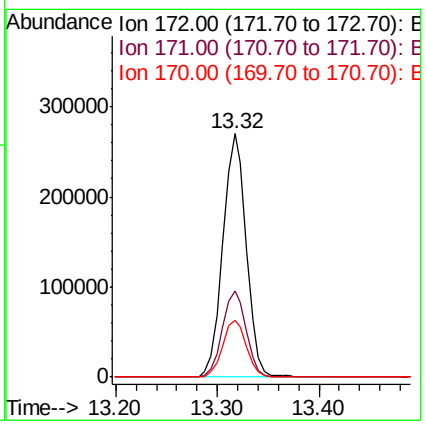


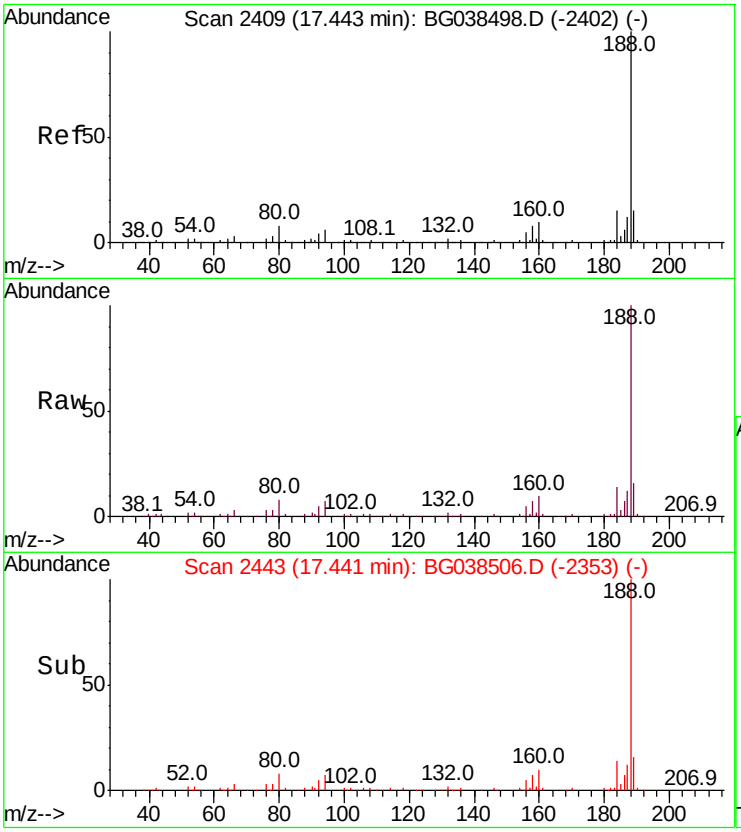




#45
2-Fluorobiphenyl
Concen: 100.029 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

Tgt Ion:172 Resp: 430032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 29.8 | 44.6 |
| 170 | 23.5 | 19.5 | 29.3 |



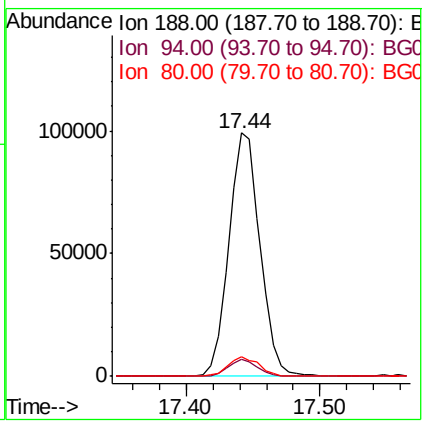


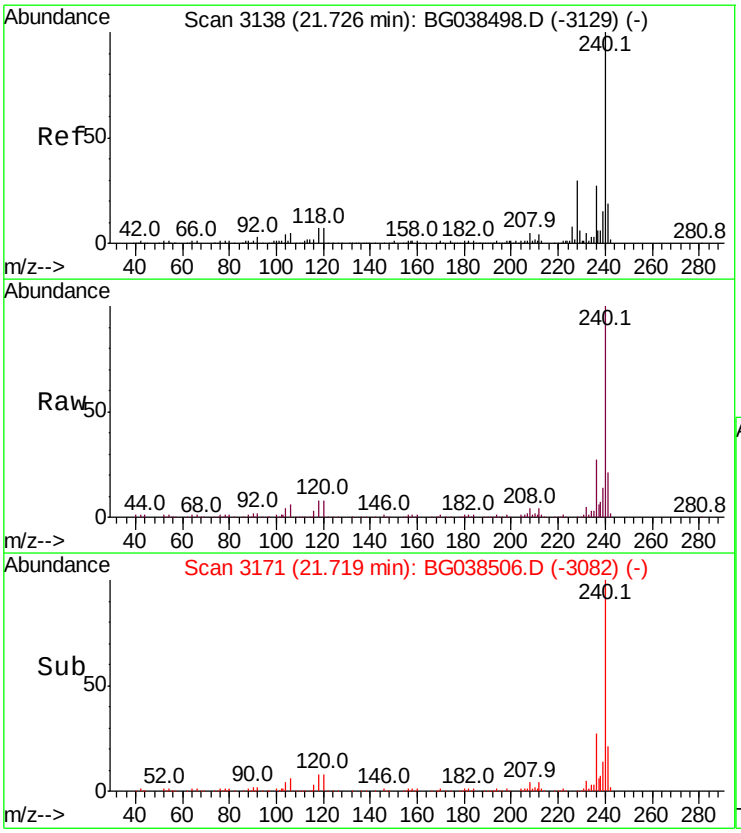

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

Tgt Ion:188 Resp: 160821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.0 | 5.1 | 7.7 |
| 80 | 8.0 | 6.1 | 9.1 |

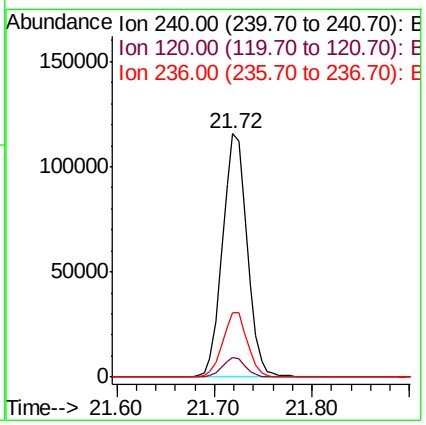


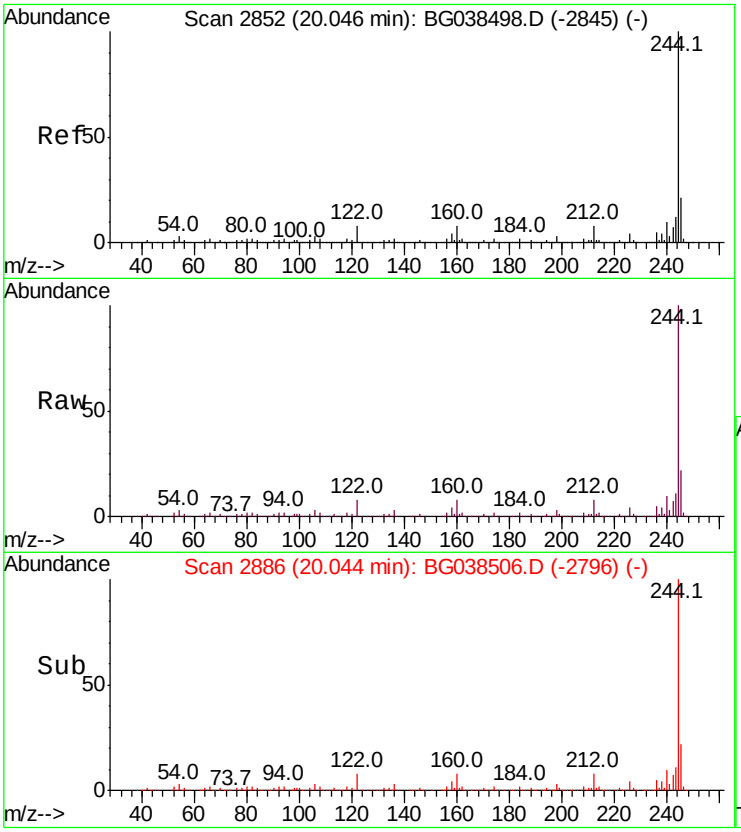




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

Tgt Ion:240 Resp: 202374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.8 | 5.3 | 7.9 |
| 236 | 26.7 | 21.4 | 32.2 |



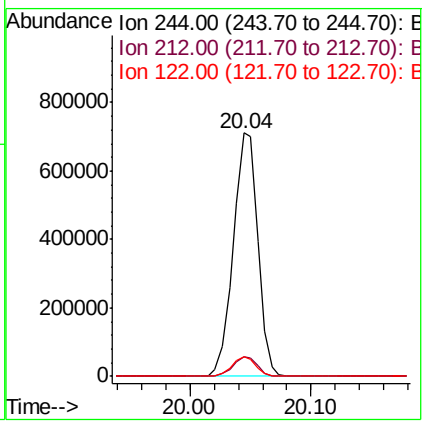


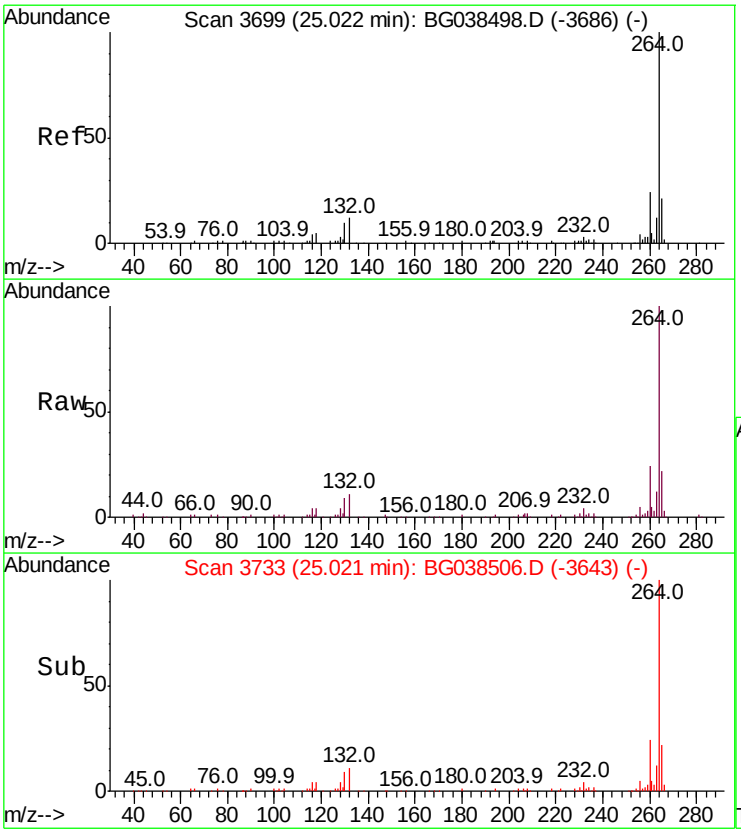

#79
Terphenyl-d14
Concen: 108.095 ng
RT: 20.04 min Scan# 2886
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-121018-A

Tgt Ion:244 Resp: 1005162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 6.2 | 9.2 |
| 122 | 8.2 | 6.3 | 9.5 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. -0.00 min
Lab File: BG038506.D
Acq: 12 Dec 2018 20:06

Tgt Ion:264 Resp: 210213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.9 | 28.3 |
| 265 | 22.1 | 17.0 | 25.4 |