Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102716\
Data File : BG024533.D
Acq On : 27 Oct 2016 22:47
Operator : UM/SJ
Sample : H5434-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-3

Quant Time: Oct 28 02:15:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.27 | 152 | 118951 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.10 | 136 | 446083 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.89 | 164 | 336790 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.63 | 188 | 720349 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.93 | 240 | 1015692 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 25.36 | 264 | 1078847 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 263551 | 36.31 | ng | 0.00 |
| 7) Phenol-d6 | 7.40 | 99 | 236516 | 23.76 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.45 | 82 | 1103025 | 112.58 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.37 | 330 | 407316 | 80.95 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.51 | 172 | 2132484 | 105.24 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.21 | 244 | 3064168 | 90.15 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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Misc :
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**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Quant Time: Oct 28 02:15:35 2016
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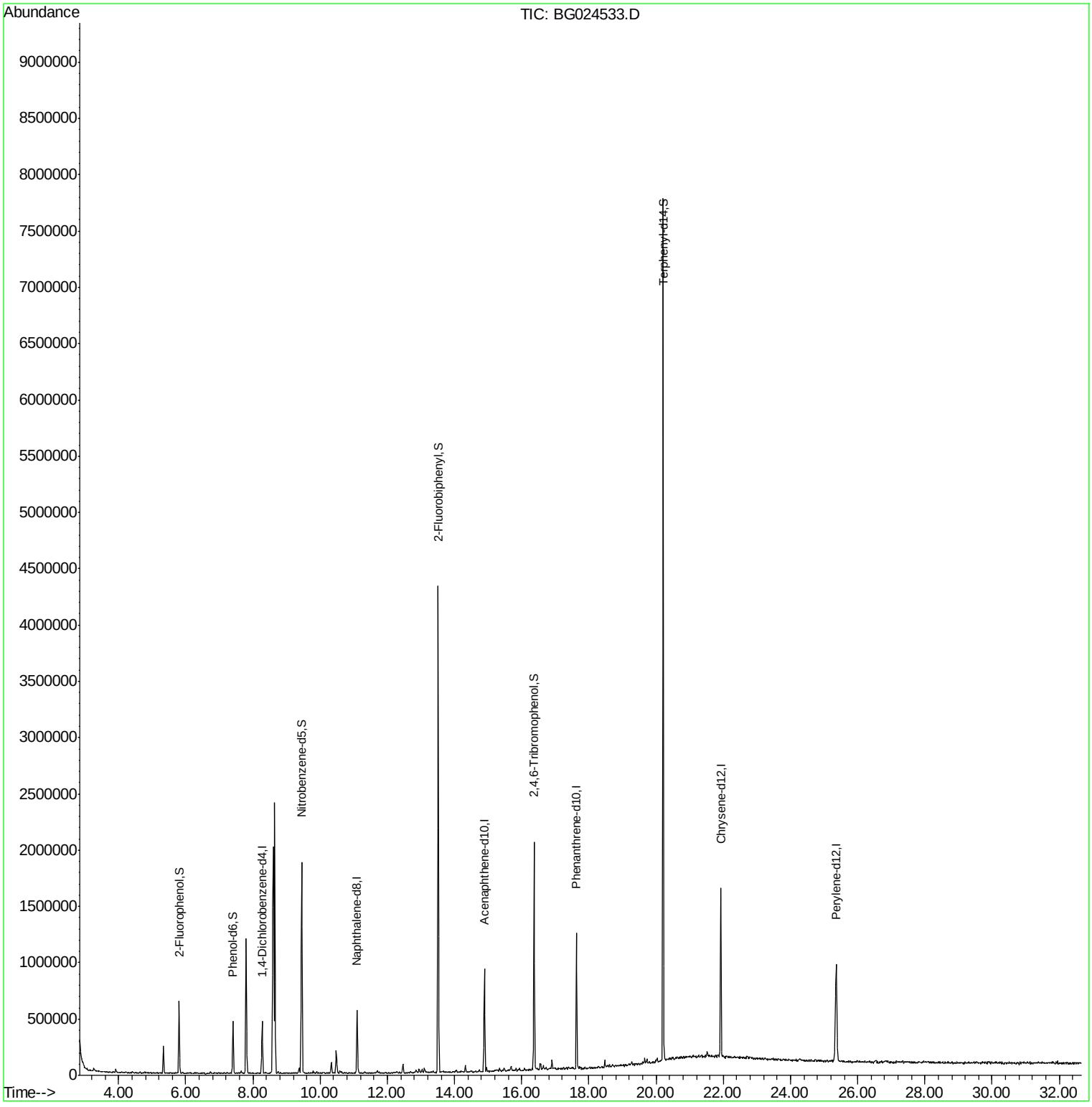
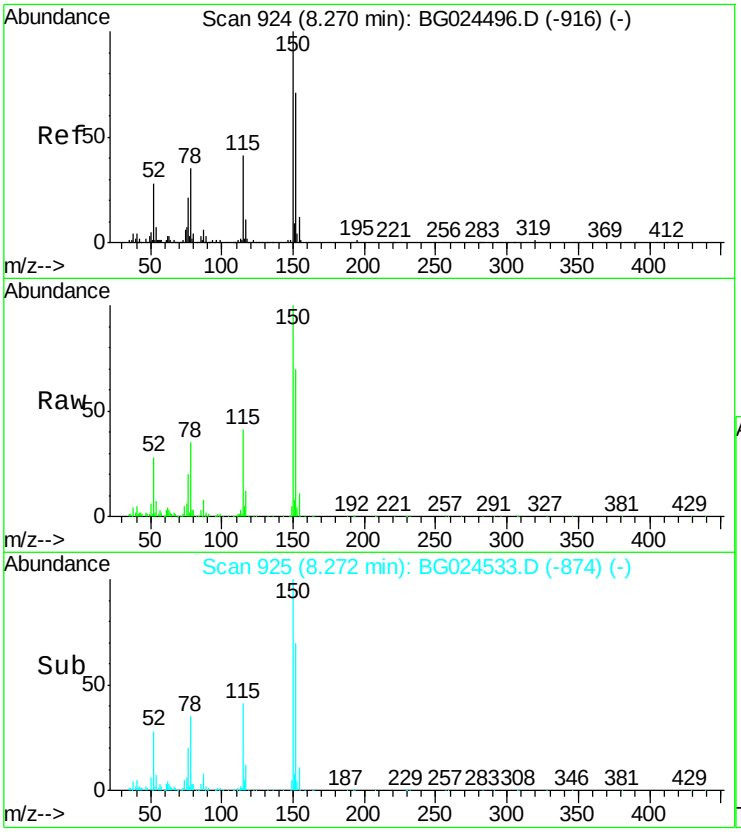
Response via : Initial Calibration



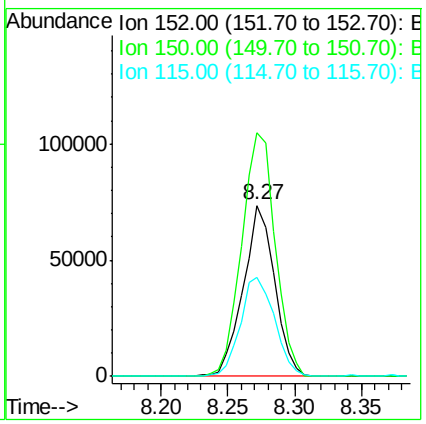


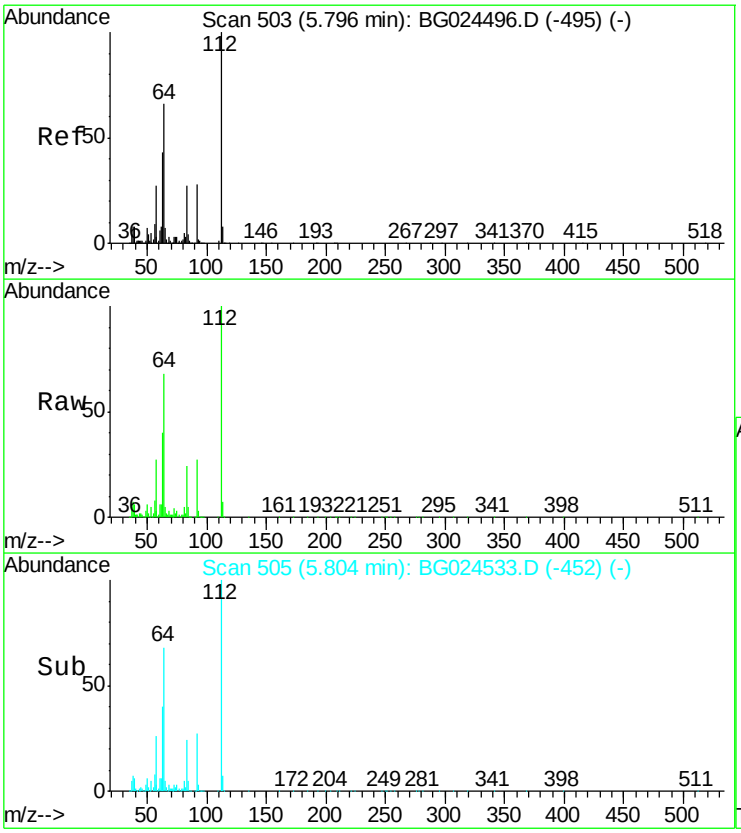

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Tgt Ion:152 Resp: 118951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 142.2 | 114.0 | 171.0 |
| 115 | 58.1 | 48.1 | 72.1 |

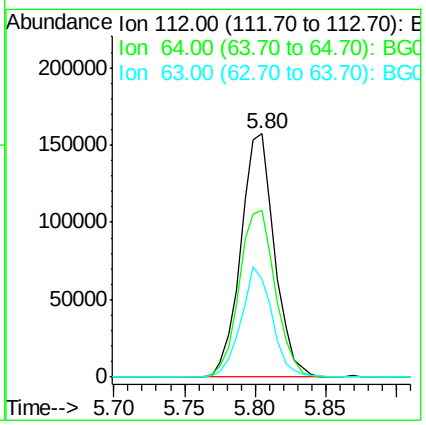


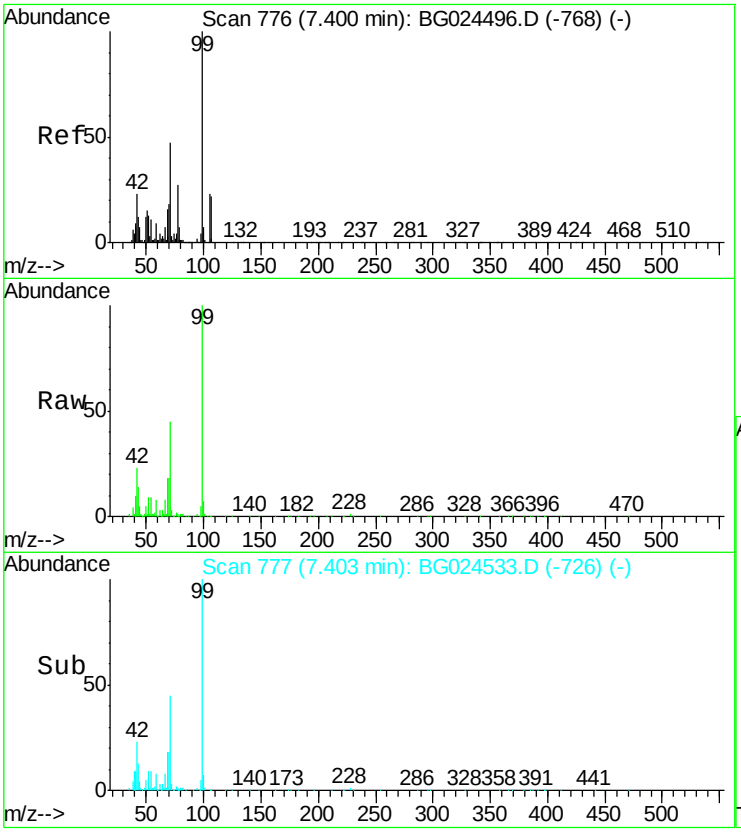




#5
2-Fluorophenol
Concen: 36.31 ng
RT: 5.80 min Scan# 505
Delta R.T. 0.01 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

Tgt Ion:112 Resp: 263551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.4 | 61.8 | 92.6 |
| 63 | 40.3 | 37.2 | 55.8 |



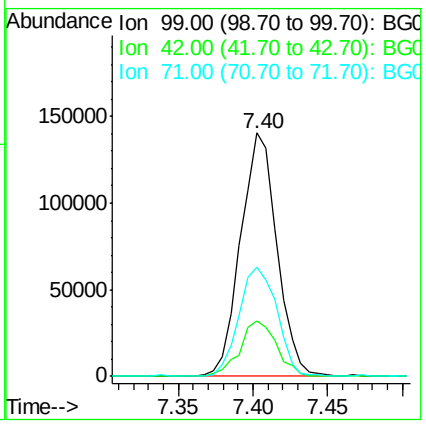


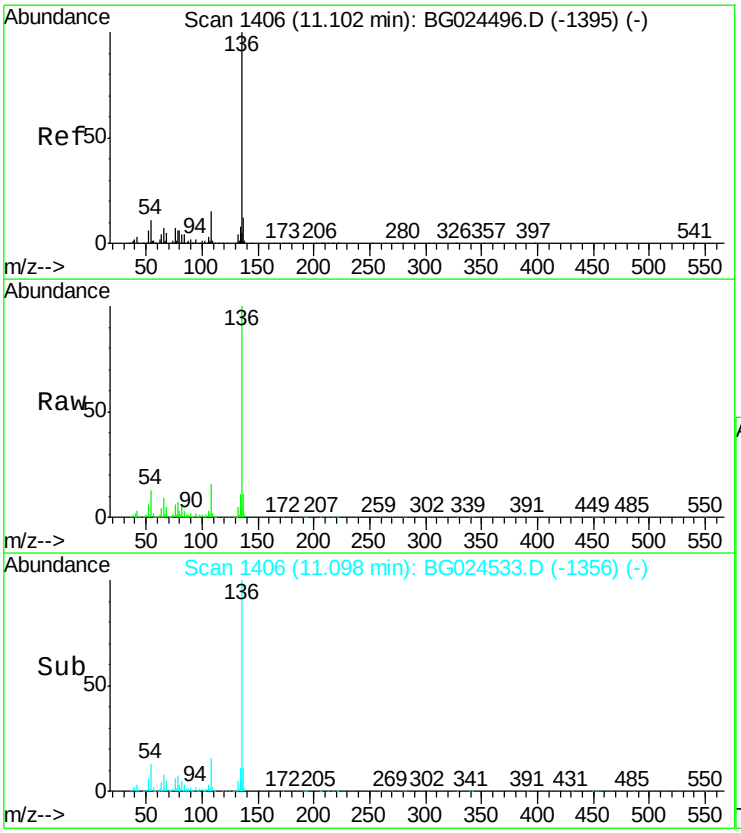

#7
Phenol-d6
Concen: 23.76 ng
RT: 7.40 min Scan# 777
Delta R.T. 0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Tgt Ion: 99 Resp: 236516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.9 | 20.5 | 30.7 |
| 71 | 45.0 | 37.6 | 56.4 |

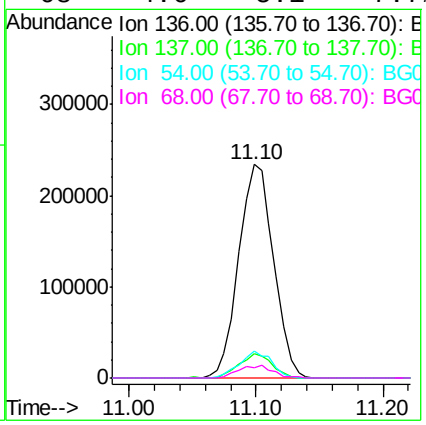


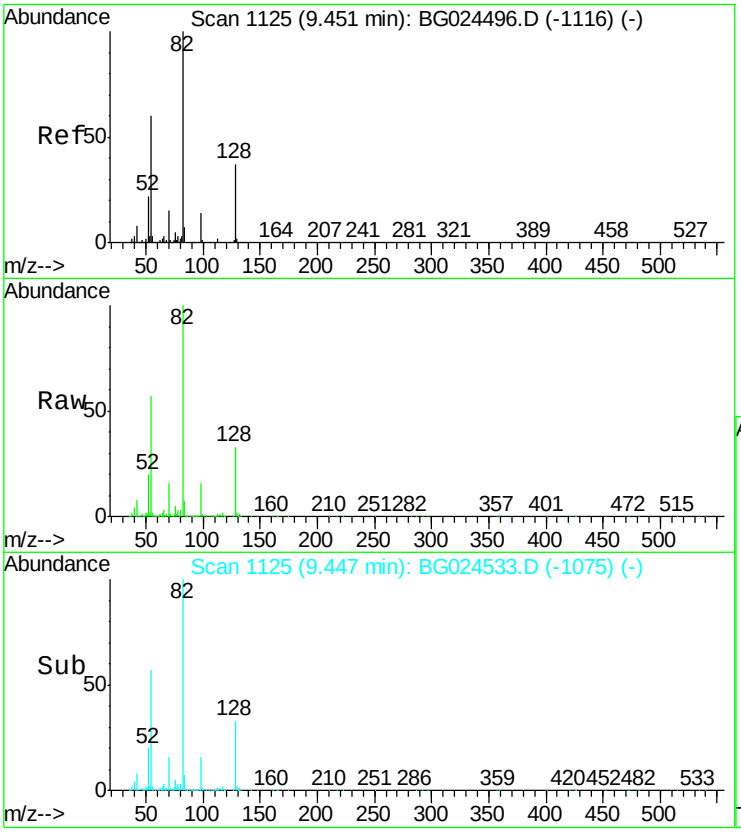




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.10 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

Tgt Ion:136 Resp: 446083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.9 | 13.3 |
| 54 | 12.7 | 9.3 | 13.9 |
| 68 | 4.6 | 5.1 | 7.7# |



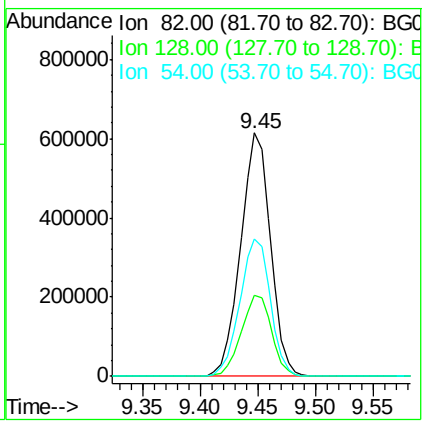


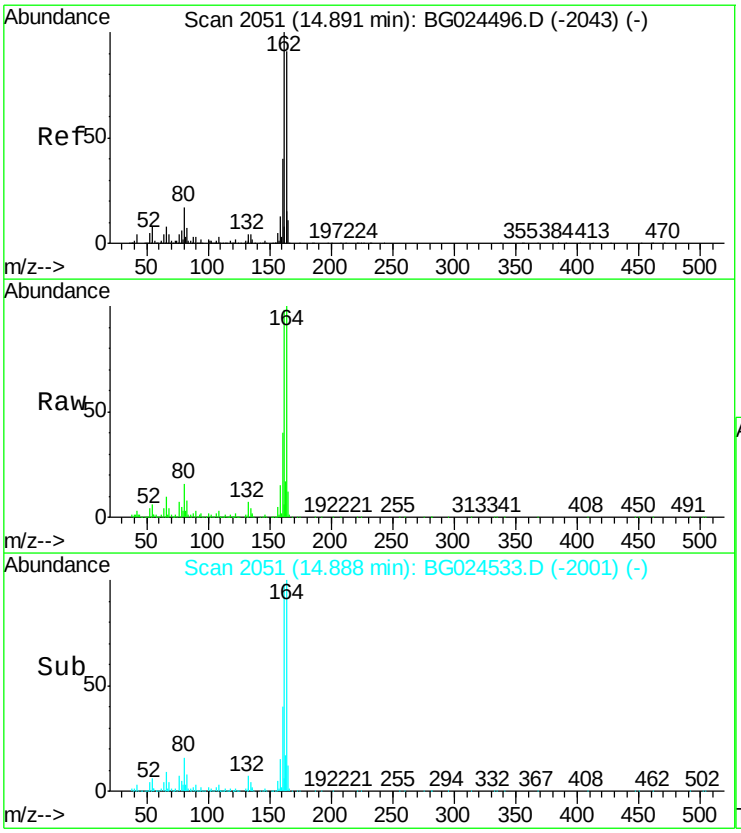

#23
Nitrobenzene-d5
Concen: 112.58 ng
RT: 9.45 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Tgt Ion: 82 Resp: 1103025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.2 | 26.4 | 39.6 |
| 54 | 56.7 | 49.4 | 74.2 |

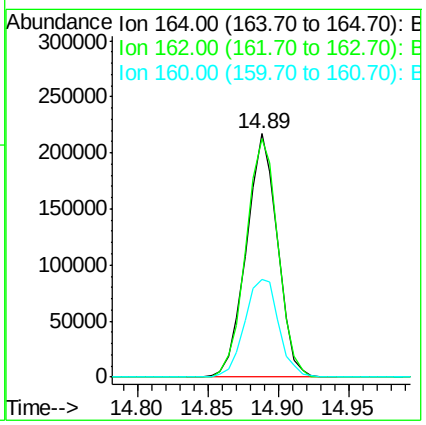


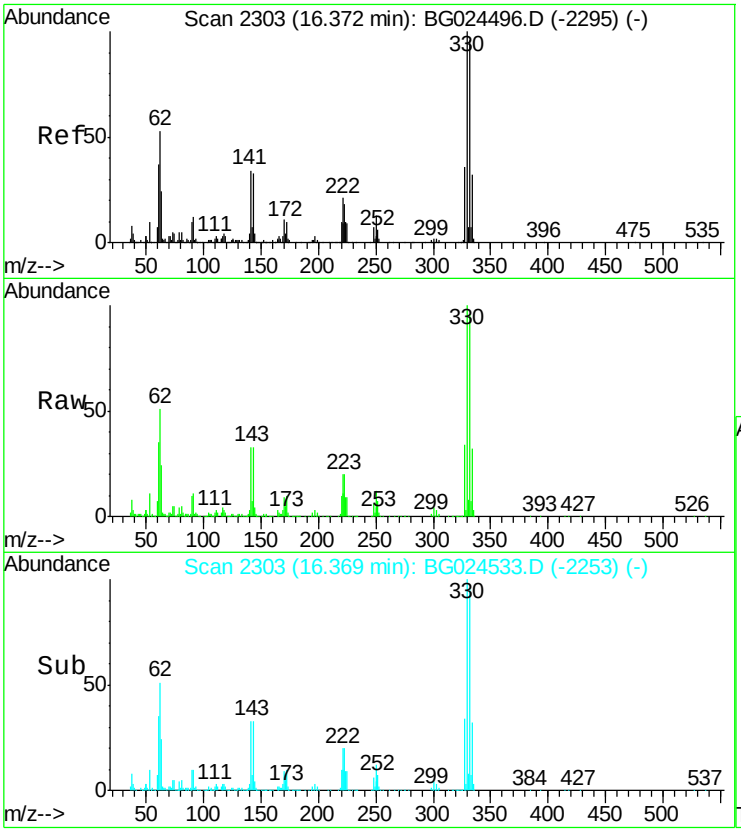




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.89 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

Tgt Ion:164 Resp: 336790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.7 | 85.1 | 127.7 |
| 160 | 40.1 | 34.7 | 52.1 |



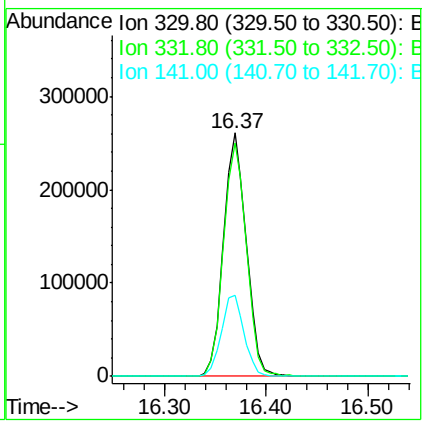


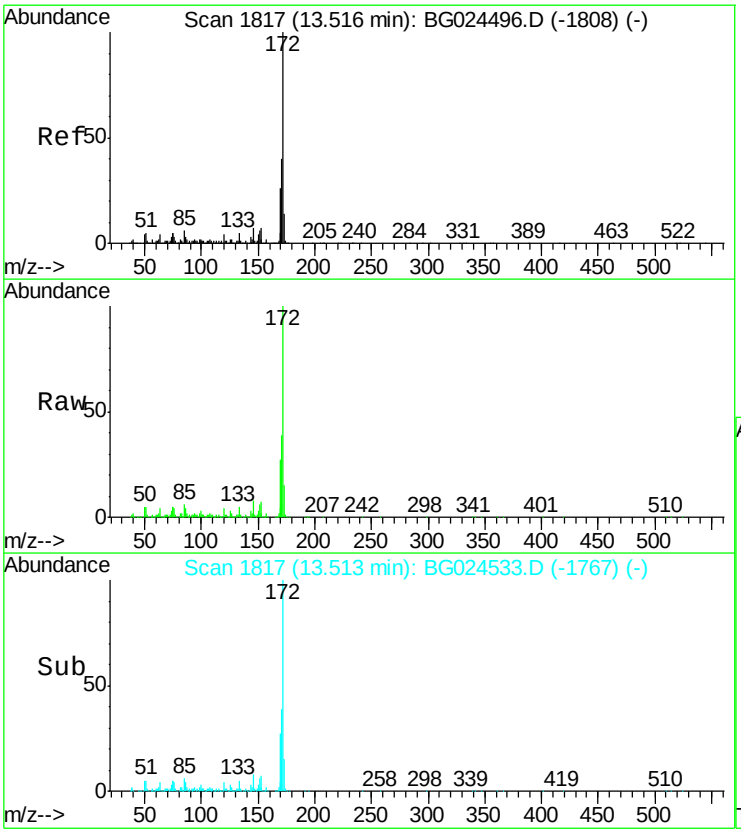

#41
2,4,6-Tribromophenol
Concen: 80.95 ng
RT: 16.37 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Tgt Ion:330 Resp: 407316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.3 | 115.9 |
| 141 | 33.0 | 32.1 | 48.1 |

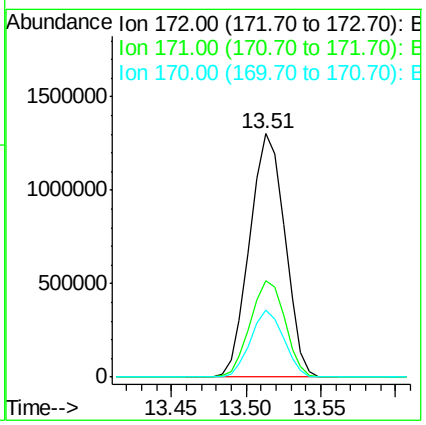


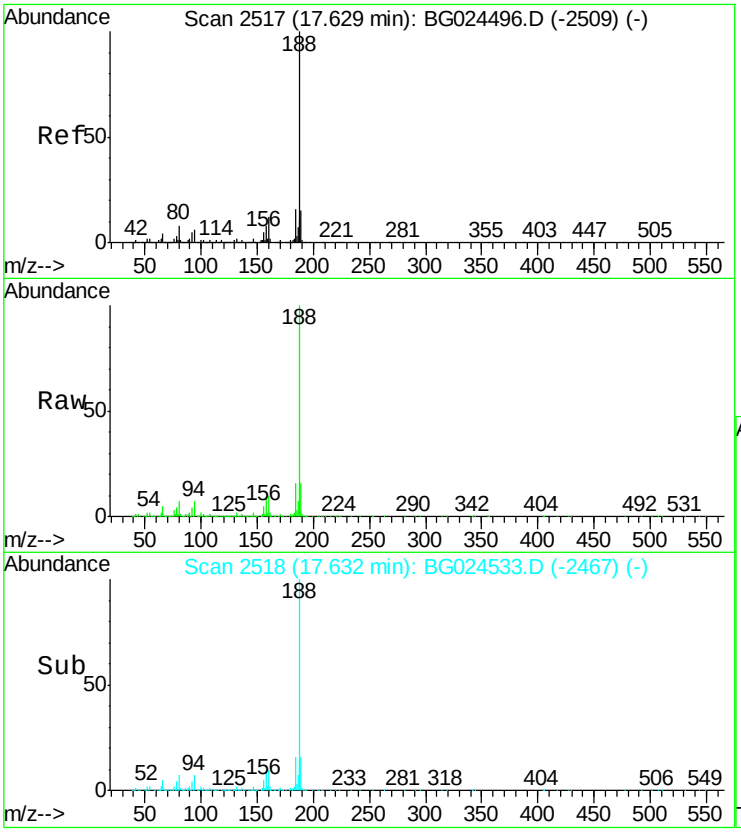




#44
2-Fluorobiphenyl
Concen: 105.24 ng
RT: 13.51 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

Tgt Ion:172 Resp: 2132484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.4 | 32.2 | 48.2 |
| 170 | 27.5 | 21.8 | 32.6 |



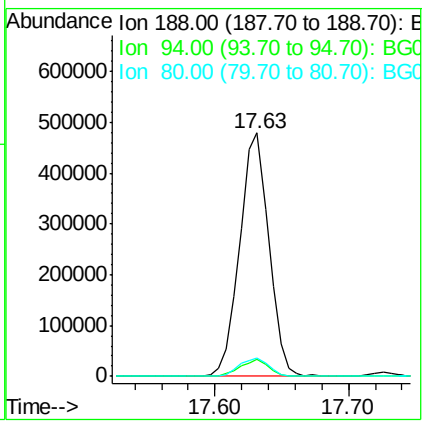


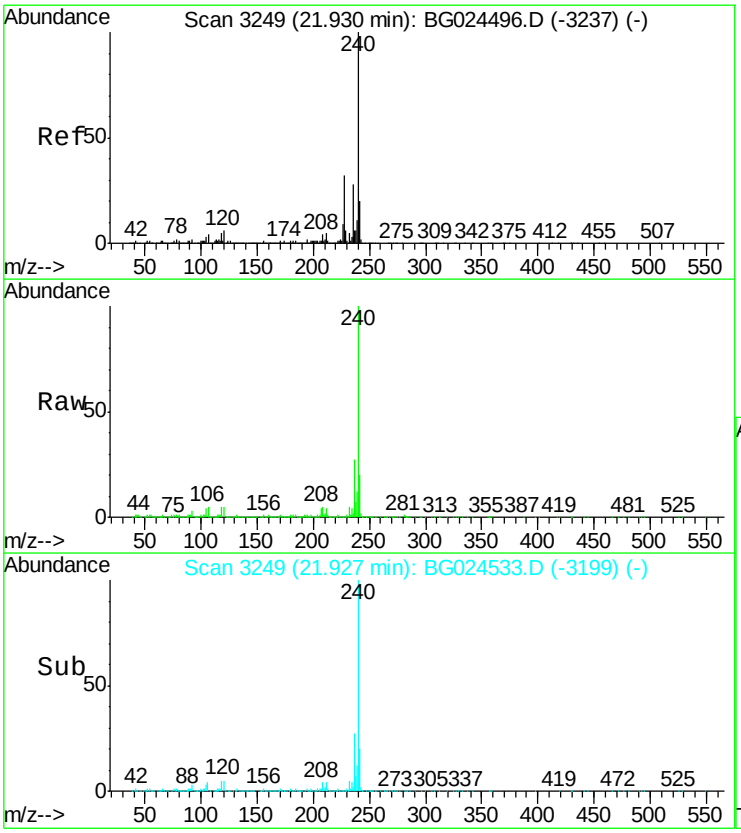

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.63 min Scan# 2518
Delta R.T. 0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Tgt Ion:188 Resp: 720349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.0 | 5.8 | 8.8 |
| 80 | 7.3 | 7.5 | 11.3# |

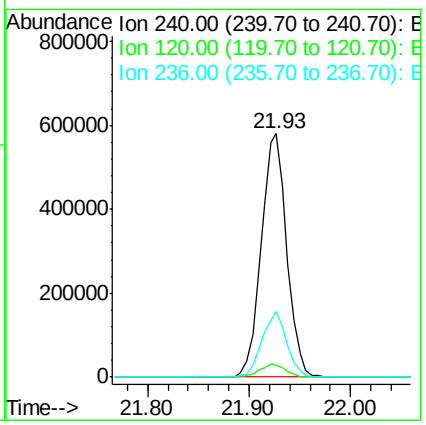


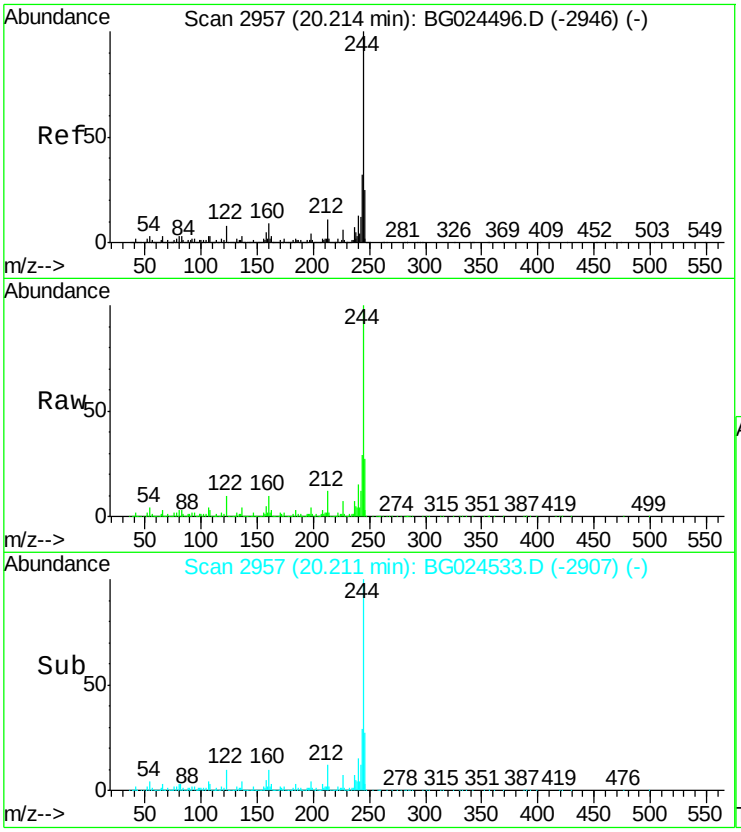




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.93 min Scan# 3249
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

Tgt Ion:240 Resp: 1015692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.0 | 5.7 | 8.5# |
| 236 | 26.8 | 22.2 | 33.4 |



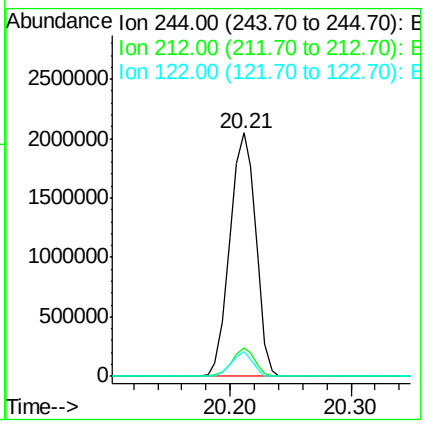


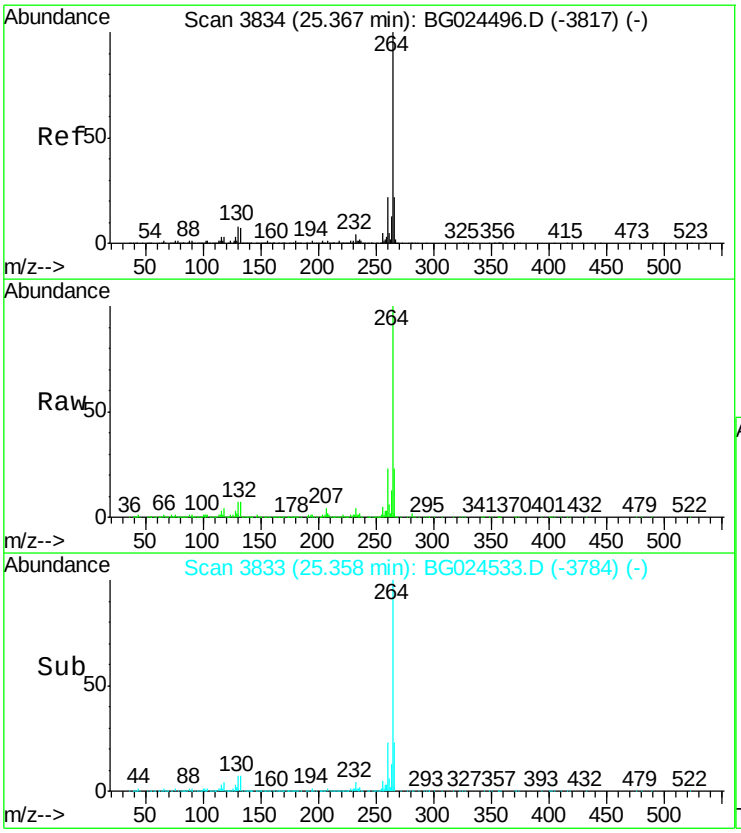

#78
Terphenyl-d14
Concen: 90.15 ng
RT: 20.21 min Scan# 2957
Delta R.T. -0.00 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

**Instrument :**
BNA_G
**ClientSampleId :**
MW-3

Tgt Ion:244 Resp: 3064168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 11.9 | 10.0 | 15.0 |
| 122 | 10.2 | 8.6 | 12.8 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.36 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BG024533.D
Acq: 27 Oct 2016 22:47

Tgt Ion:264 Resp: 1078847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 21.8 | 32.8 |
| 265 | 23.5 | 18.2 | 27.4 |