Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
Data File : BF104818.D
Acq On : 26 Apr 2018 5:40
Operator : JU/SJ
Sample : J2470-06
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-15-4-18-18

Quant Time: Apr 26 13:59:55 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 14:01:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 116638 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 472420 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 198398 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 303832 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.98 | 240 | 244162 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 184512 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 450424 | 59.05 | ng | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 344071 | 36.71 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 680472 | 94.06 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 242095 | 117.63 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 1179701 | 93.93 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 870174 | 81.25 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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Acq On : 26 Apr 2018 5:40
Operator : JU/SJ
Sample : J2470-06
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

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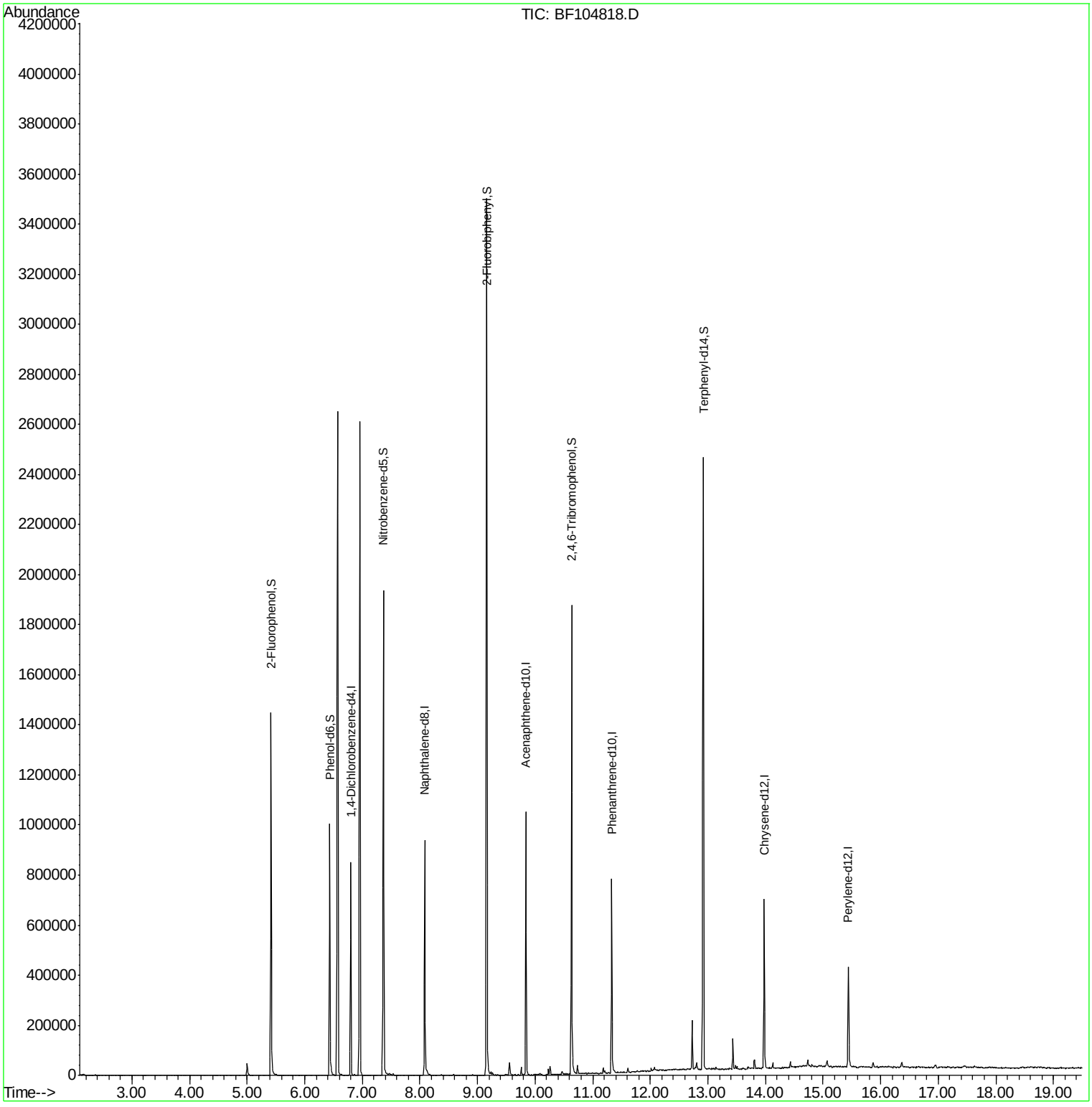
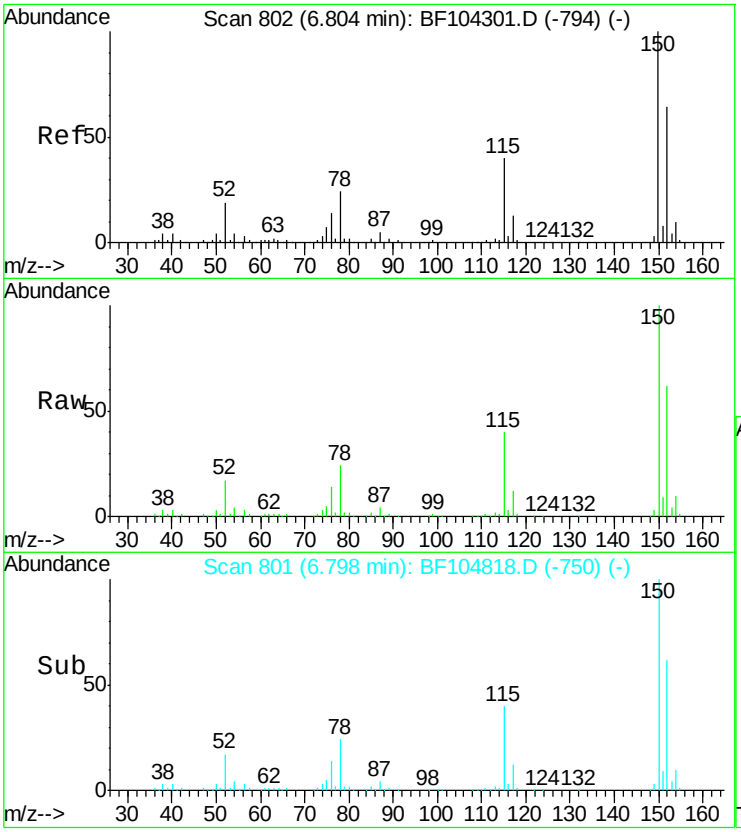
Response via : Initial Calibration



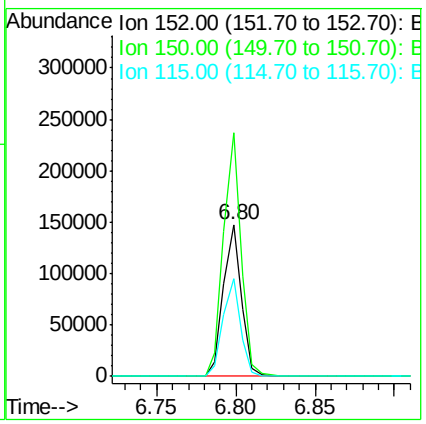


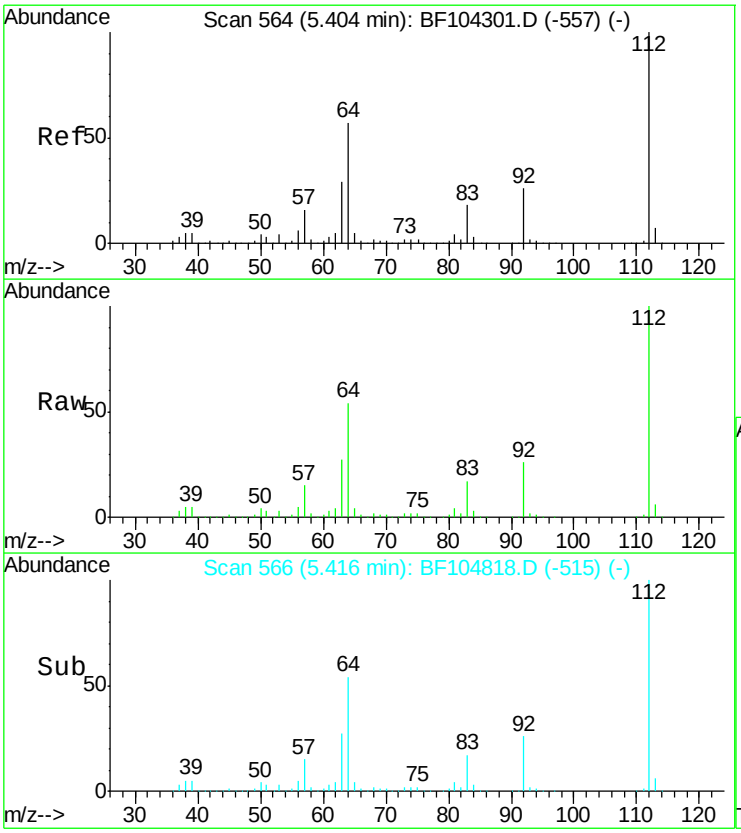

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

Tgt Ion:152 Resp: 116638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 124.6 | 186.8 |
| 115 | 64.6 | 50.1 | 75.1 |

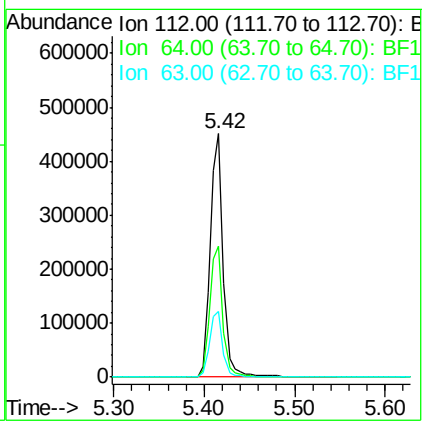


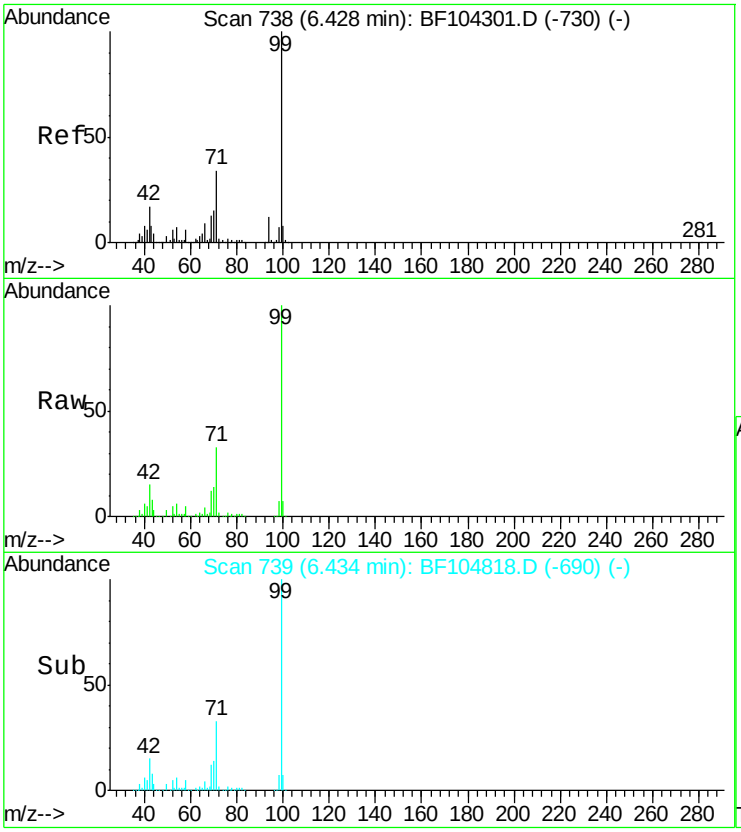




#5
2-Fluorophenol
Concen: 59.048 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:112 Resp: 450424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.6 | 47.9 | 71.9 |
| 63 | 27.0 | 23.7 | 35.5 |



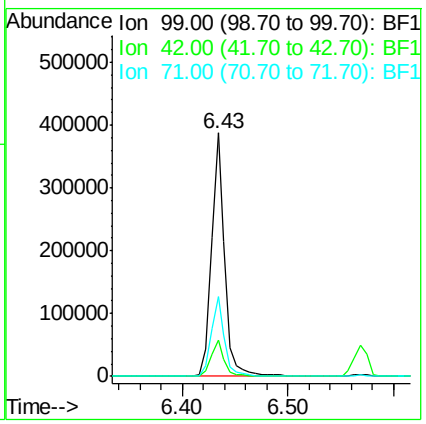


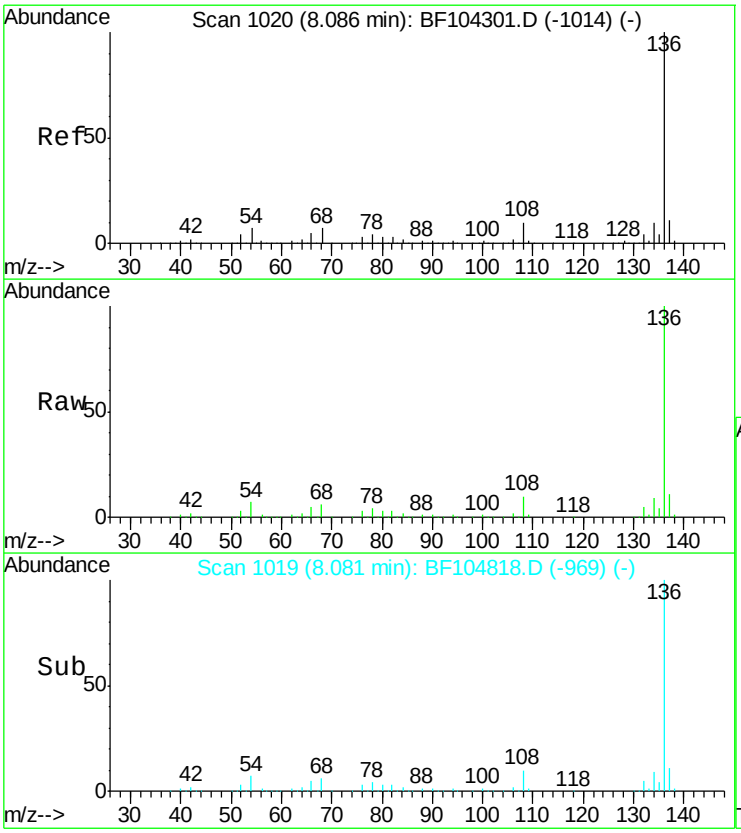

#7
Phenol-d6
Concen: 36.711 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

Tgt Ion: 99 Resp: 344071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 14.5 | 21.7 |
| 71 | 32.9 | 25.4 | 38.0 |

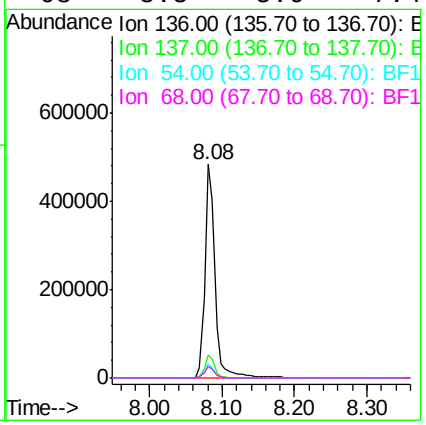


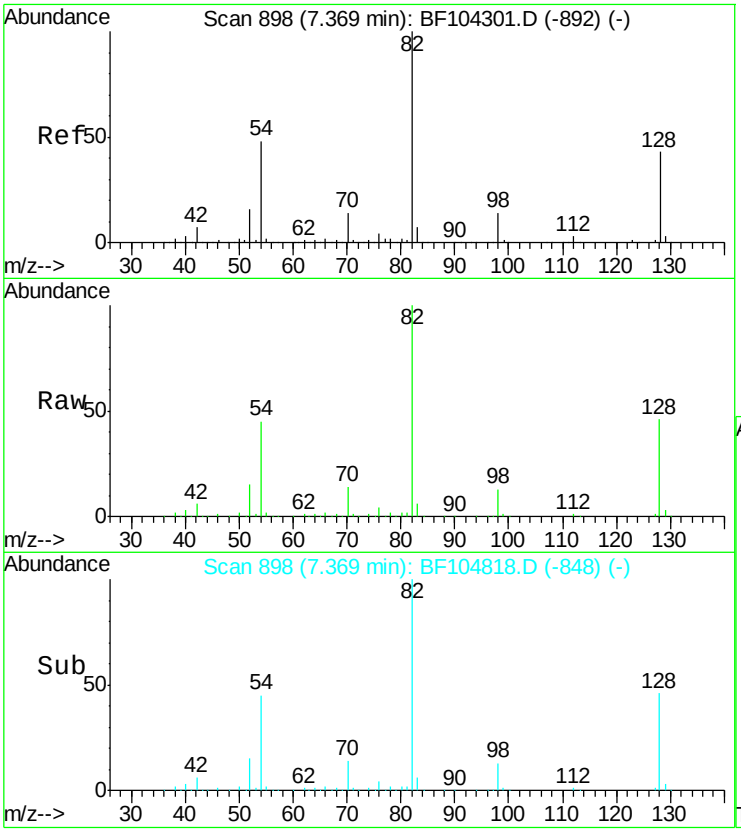




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:136 Resp: 472420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 6.8 | 6.6 | 9.8 |
| 68 | 5.5 | 5.0 | 7.4 |



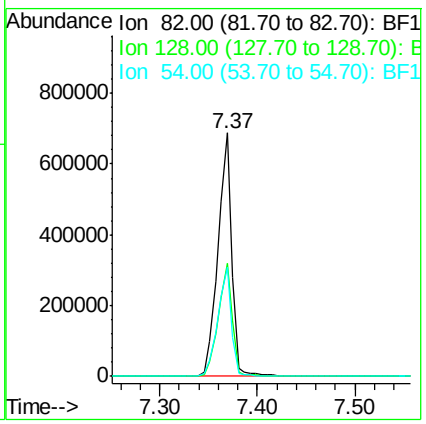


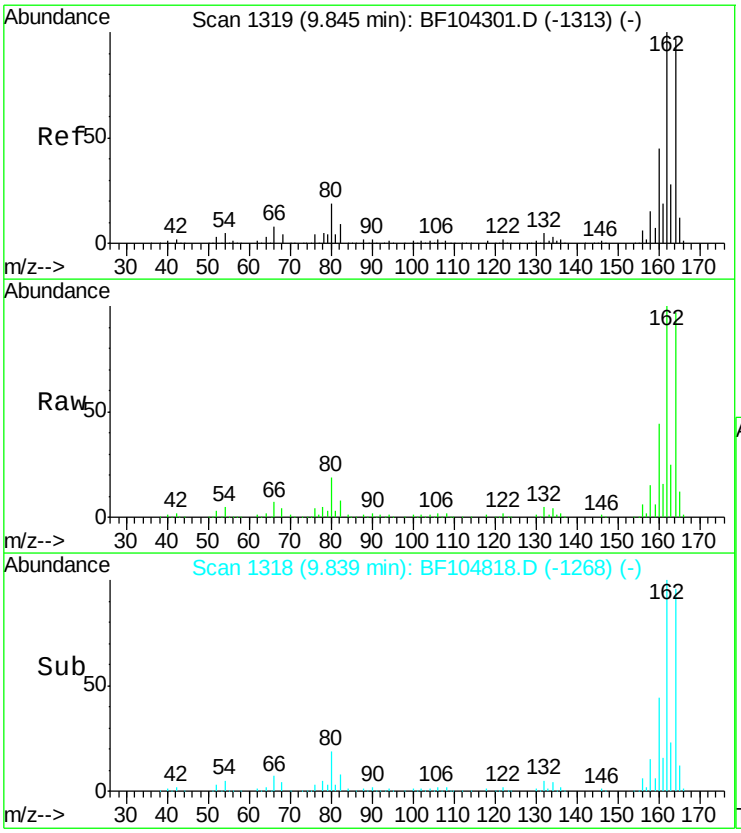

#23
Nitrobenzene-d5
Concen: 94.055 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

Tgt Ion: 82 Resp: 680472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.4 | 36.1 | 54.1 |
| 54 | 44.8 | 41.4 | 62.2 |

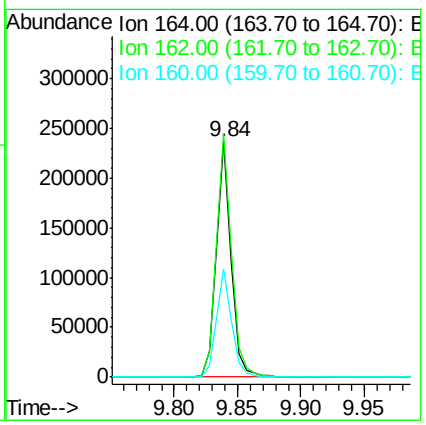


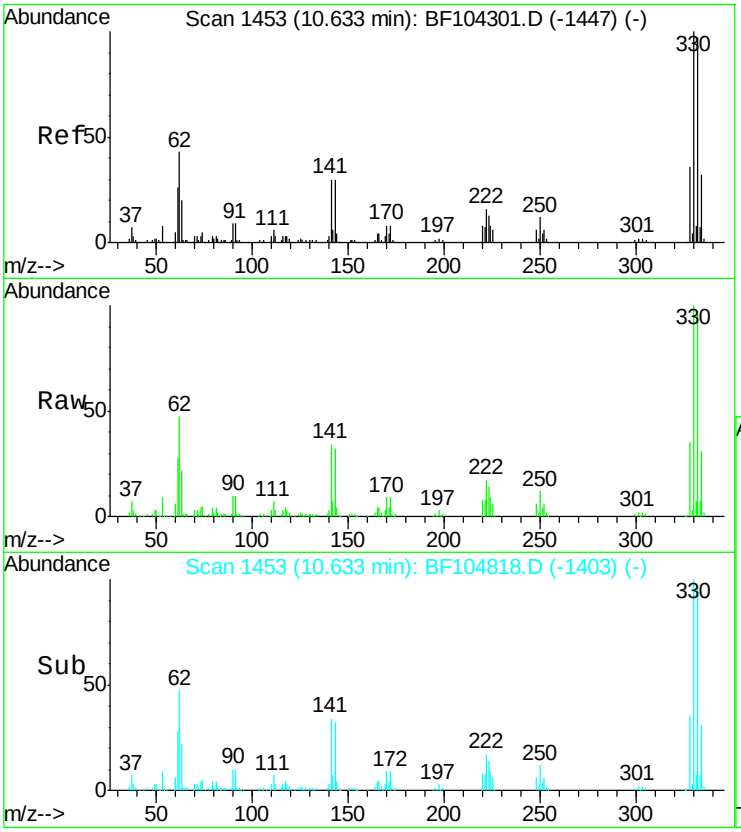




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:164 Resp: 198398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 86.1 | 129.1 |
| 160 | 45.7 | 38.3 | 57.5 |



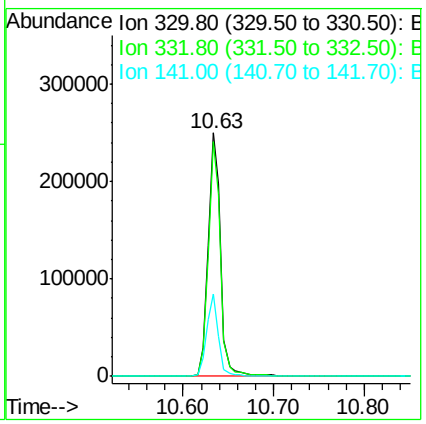


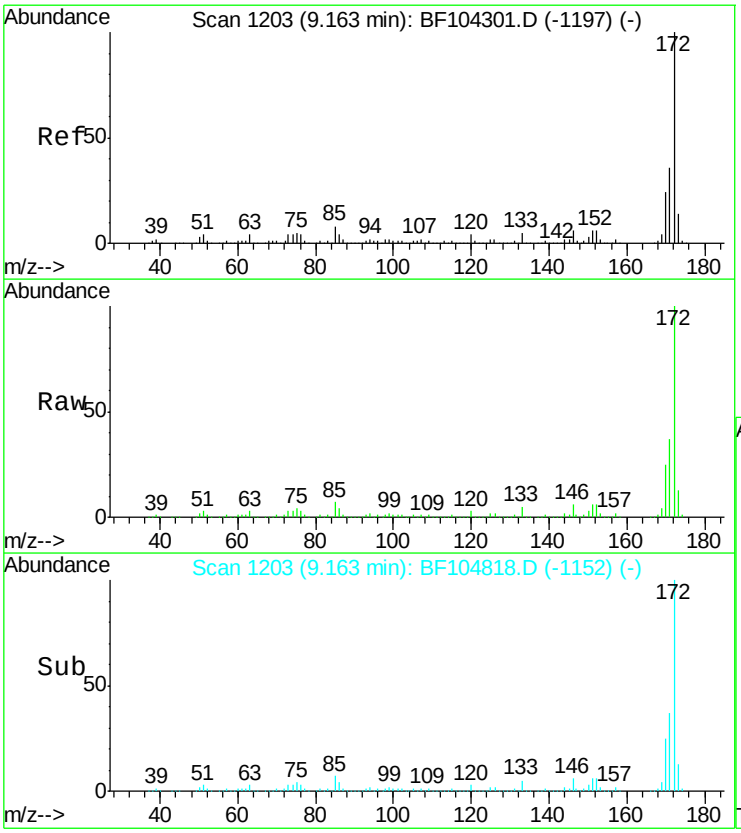

#41
2,4,6-Tribromophenol
Concen: 117.634 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

Tgt Ion:330 Resp: 242095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 77.0 | 115.6 |
| 141 | 32.2 | 29.9 | 44.9 |

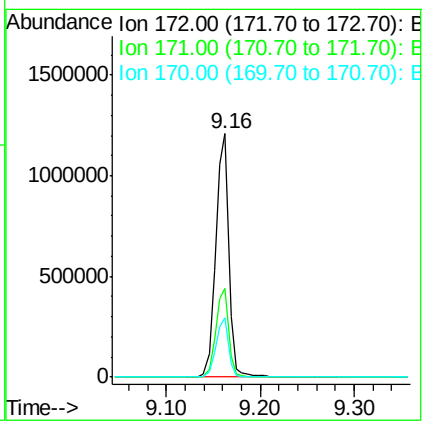


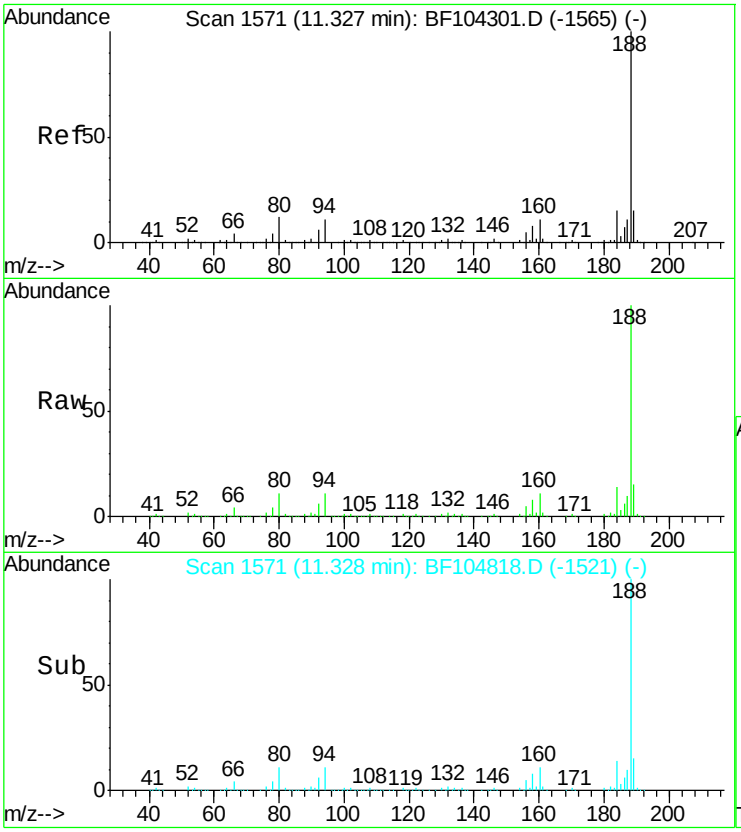




#44
2-Fluorobiphenyl
Concen: 93.934 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:172 Resp: 1179701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 29.7 | 44.5 |
| 170 | 24.5 | 19.6 | 29.4 |



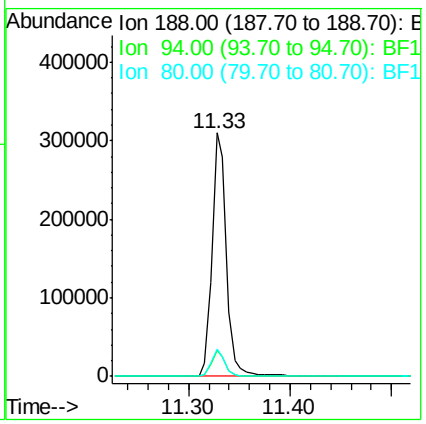


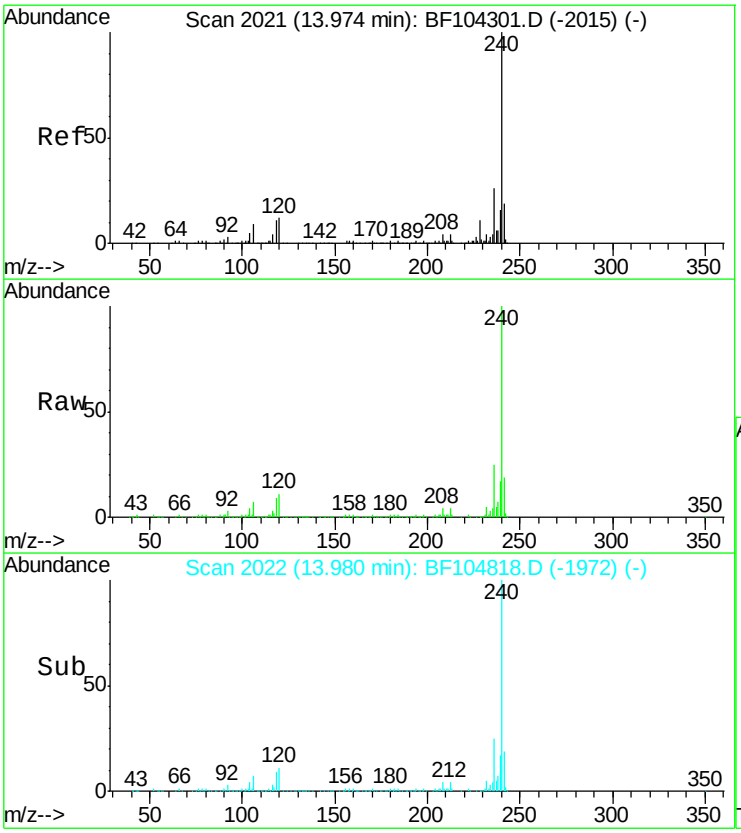

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

Tgt Ion:188 Resp: 303832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 8.5 | 12.7 |
| 80 | 11.3 | 9.2 | 13.8 |

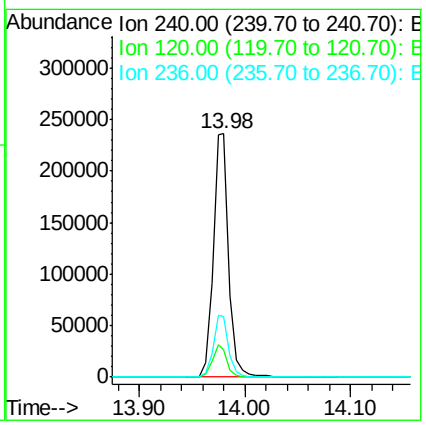


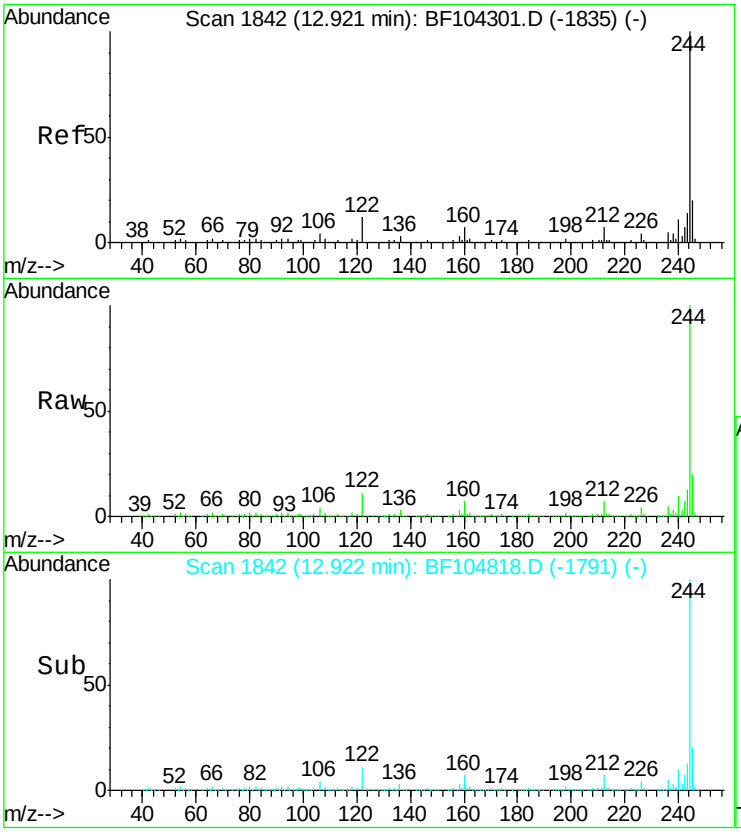




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:240 Resp: 244162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 9.5 | 14.3 |
| 236 | 24.9 | 20.7 | 31.1 |



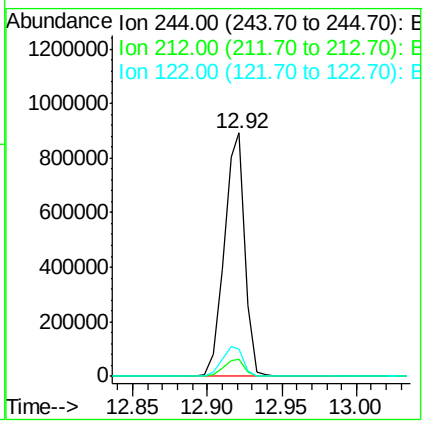


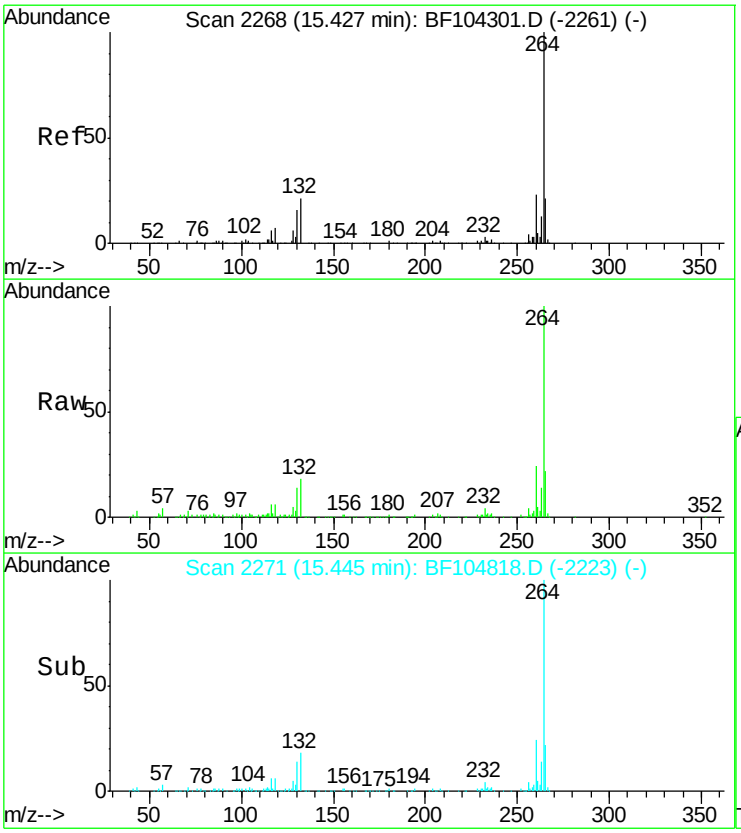

#78
Terphenyl-d14
Concen: 81.251 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

**Instrument :**
BNA_F
**ClientSampleId :**
HW-15-4-18-18

Tgt Ion:244 Resp: 870174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 11.1 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:264 Resp: 184512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.2 | 28.8 |
| 265 | 22.1 | 17.5 | 26.3 |