Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
Data File : BF101568.D
Acq On : 20 Dec 2017 15:29
Operator : SJ/JU
Sample : I6676-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-121817

Quant Time: Dec 20 16:09:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 159122 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 627503 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 259739 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 424091 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 304473 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.43 | 264 | 334079 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 1150334 | 107.69 | ng | 0.02 |
| 7) Phenol-d6 | 6.44 | 99 | 1288777 | 96.94 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 981579 | 87.08 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 295714 | 118.15 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1487632 | 88.85 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 1119491 | 88.64 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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Operator : SJ/JU
Sample : I6676-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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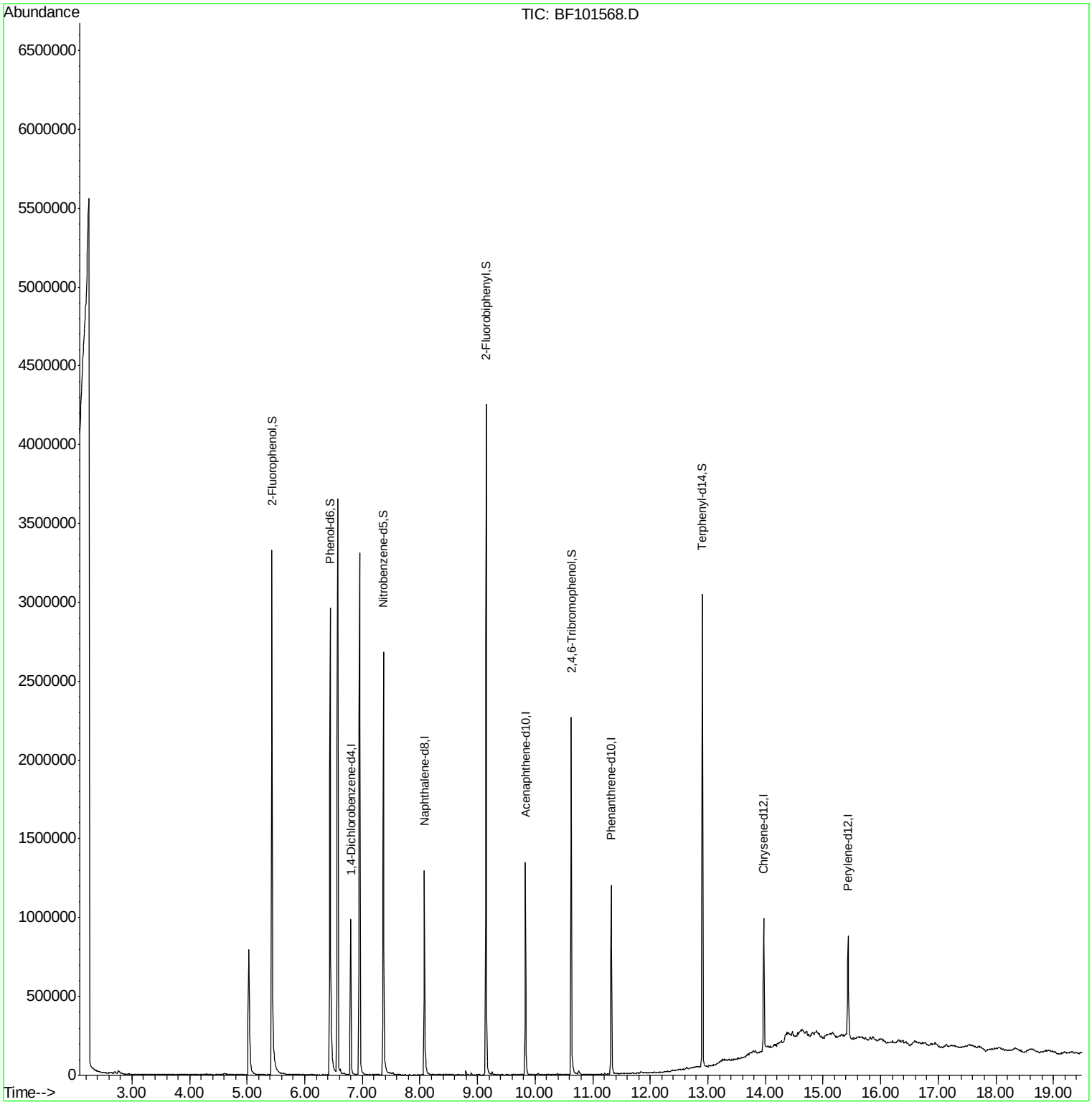
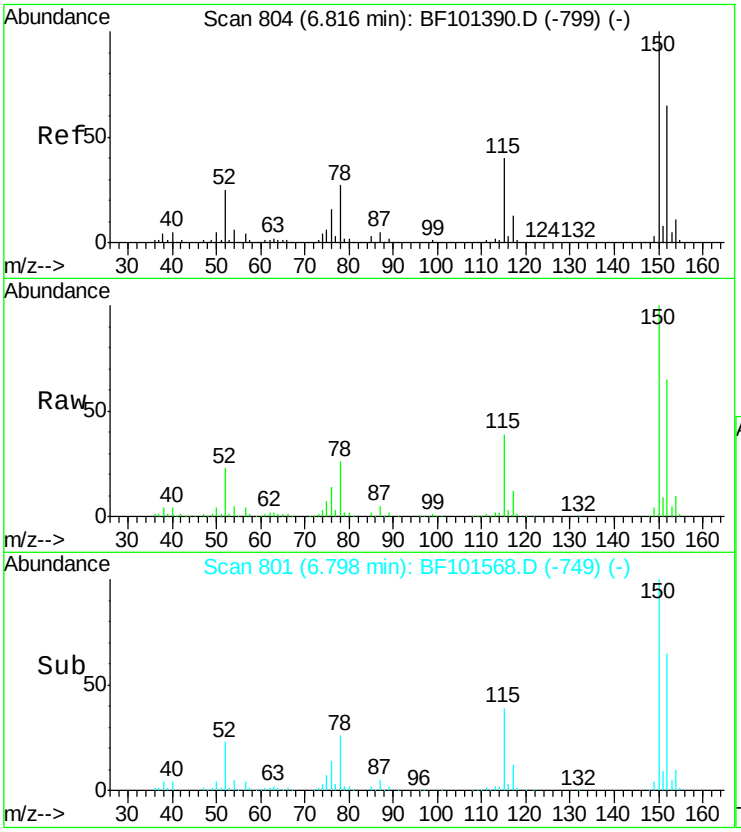
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration



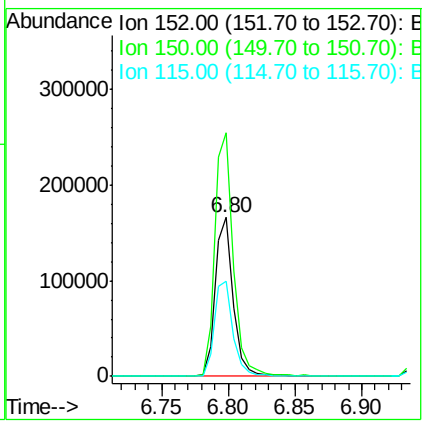


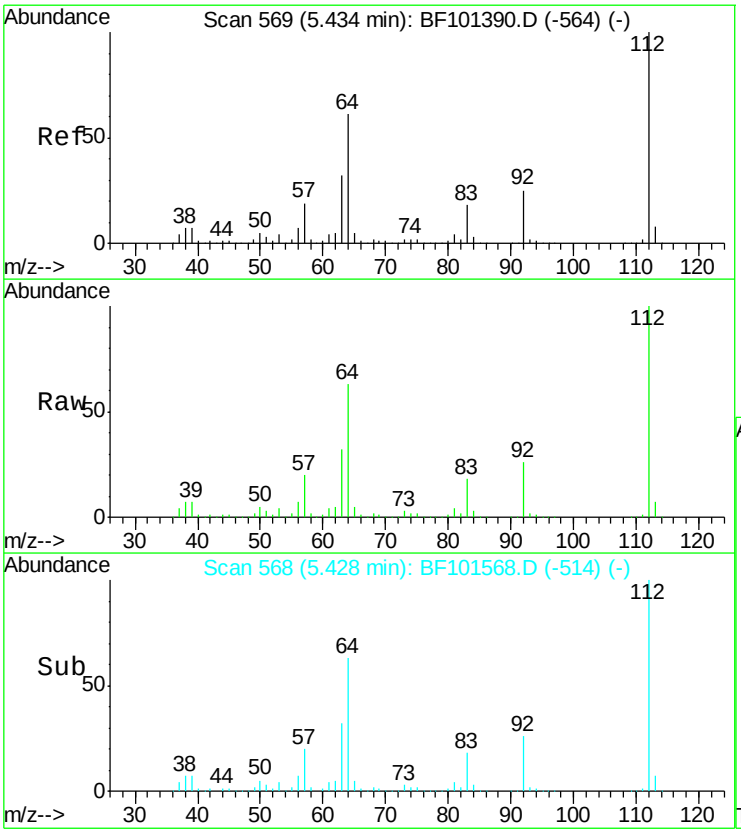

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

Tgt Ion:152 Resp: 159122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.6 | 124.6 | 186.8 |
| 115 | 60.0 | 50.1 | 75.1 |

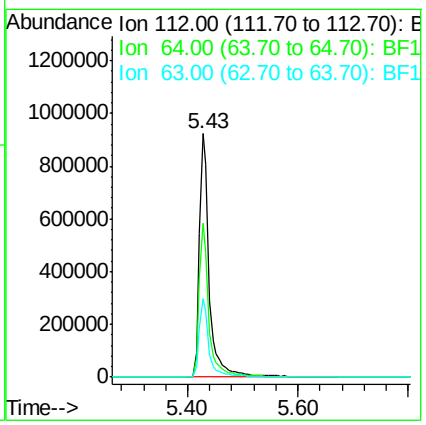


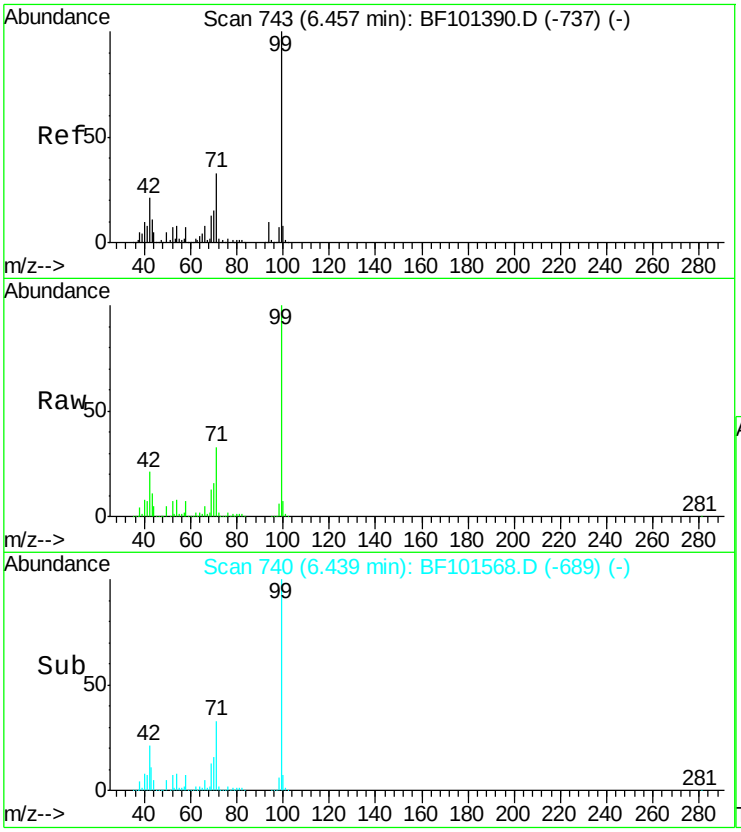




#5
2-Fluorophenol
Concen: 107.685 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

Tgt Ion:112 Resp: 1150334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.1 | 47.9 | 71.9 |
| 63 | 32.3 | 23.7 | 35.5 |



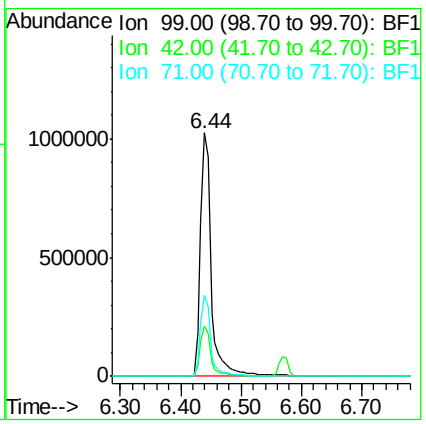


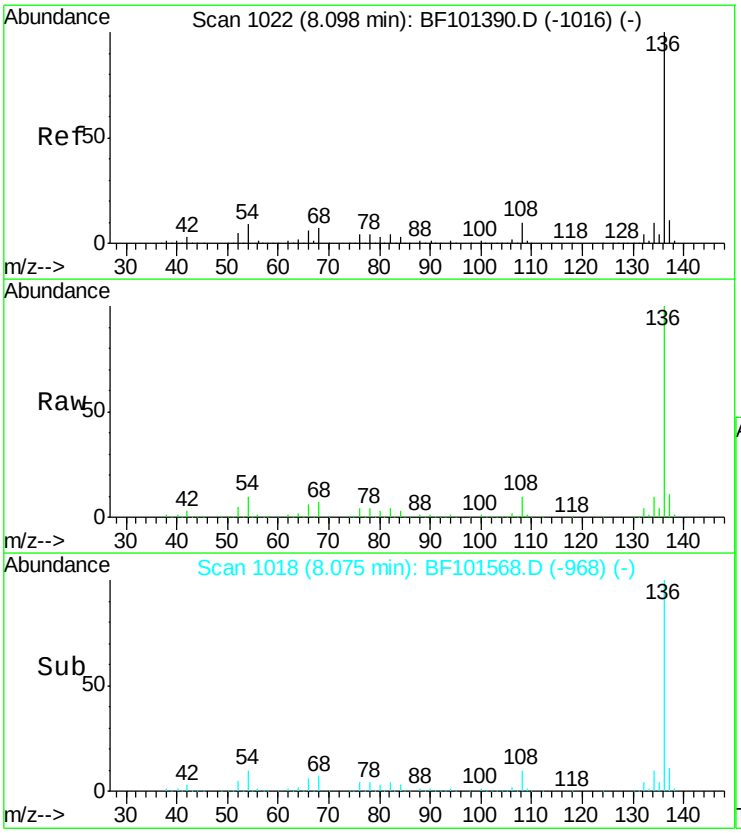

#7
Phenol-d6
Concen: 96.940 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.00 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

Tgt Ion: 99 Resp: 1288777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 14.5 | 21.7 |
| 71 | 33.4 | 25.4 | 38.0 |

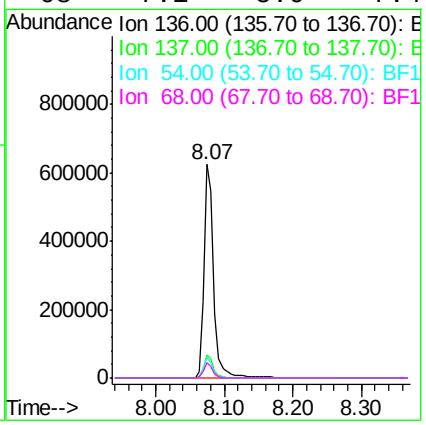


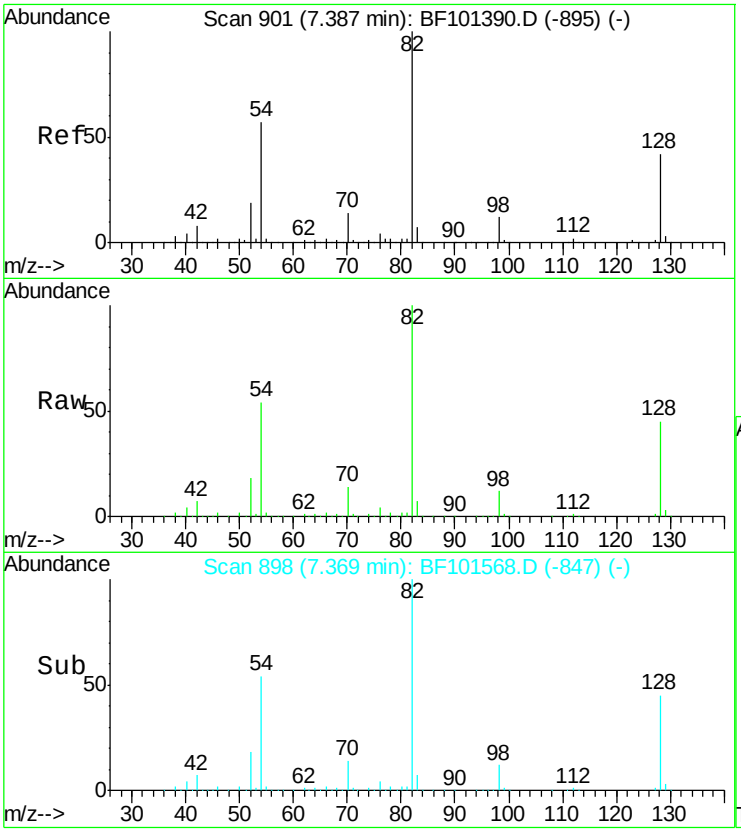




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

Tgt Ion:136 Resp: 627503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 9.5 | 6.6 | 9.8 |
| 68 | 7.1 | 5.0 | 7.4 |



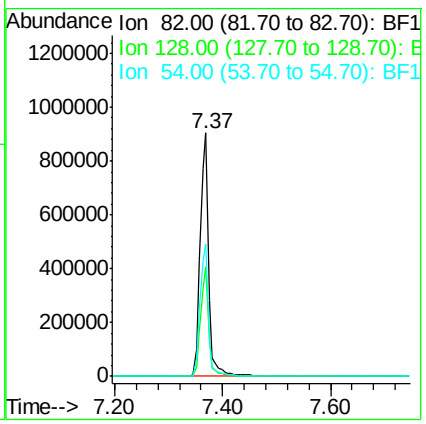


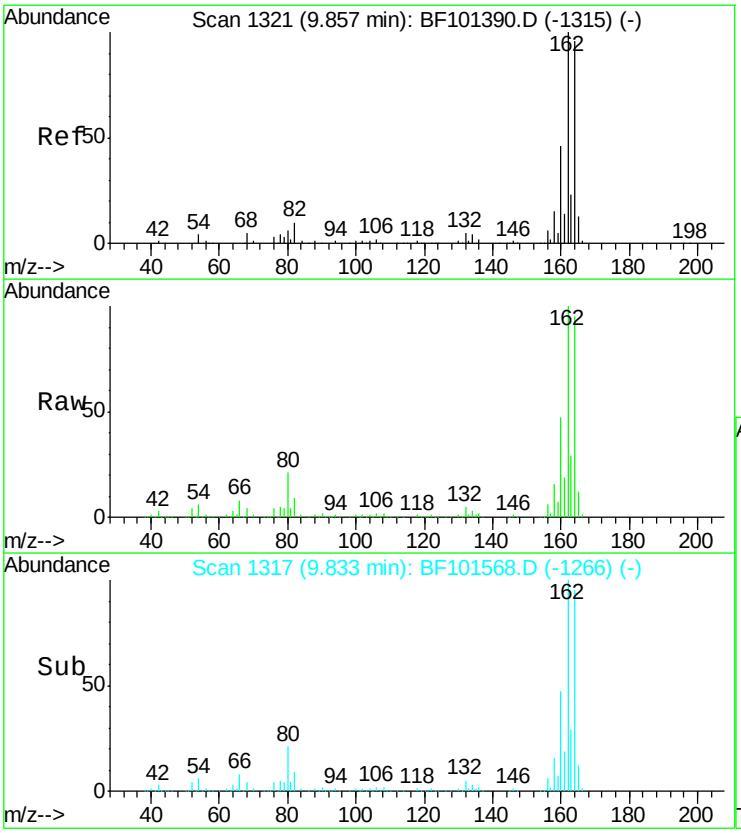

#23
Nitrobenzene-d5
Concen: 87.076 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

Tgt Ion: 82 Resp: 981579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 36.1 | 54.1 |
| 54 | 54.3 | 41.4 | 62.2 |

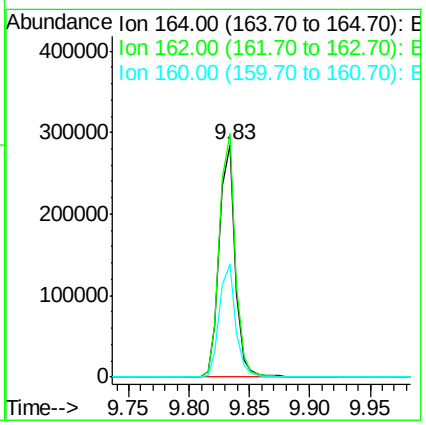


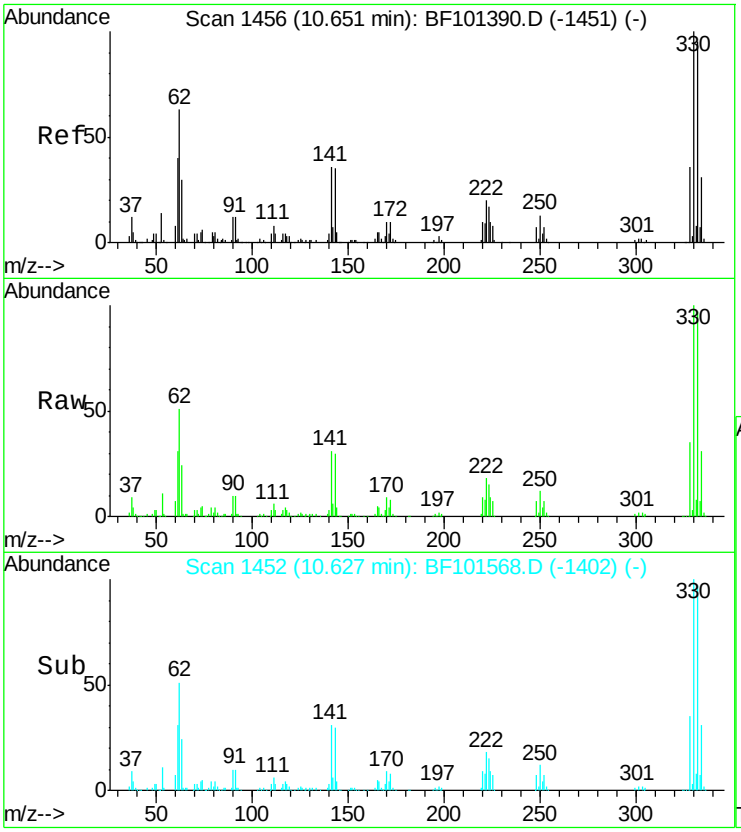




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

Tgt Ion:164 Resp: 259739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.9 | 86.1 | 129.1 |
| 160 | 48.8 | 38.3 | 57.5 |



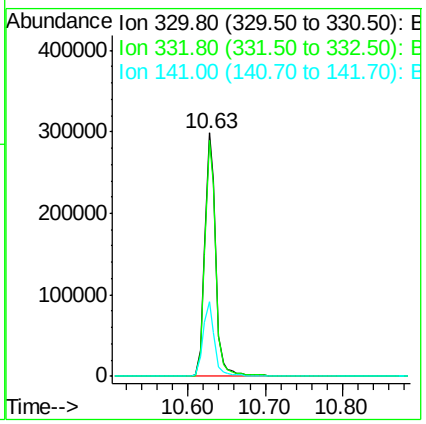


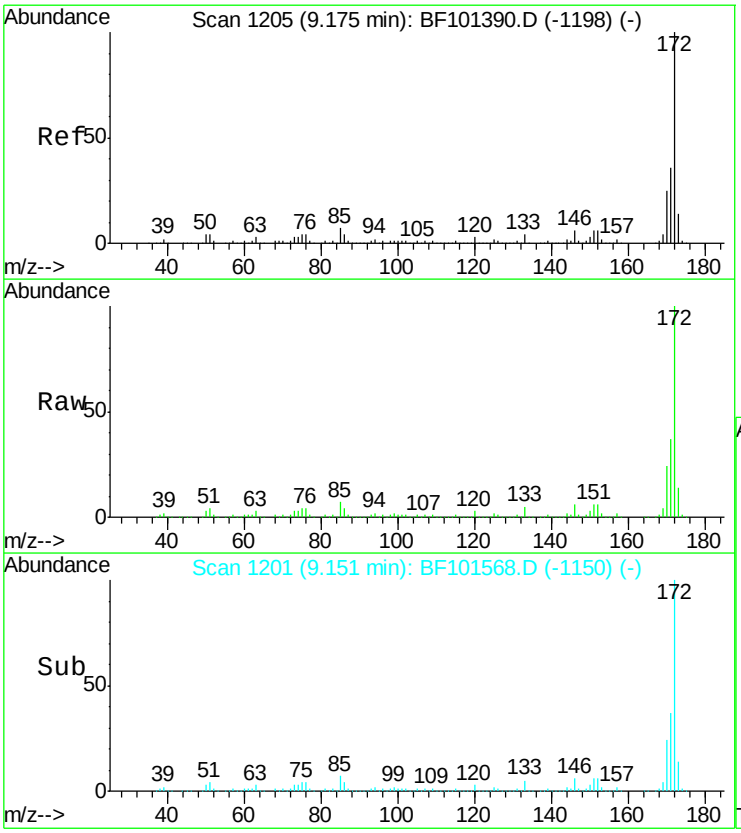

#41
2,4,6-Tribromophenol
Concen: 118.154 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

Tgt Ion:330 Resp: 295714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.0 | 115.6 |
| 141 | 32.1 | 29.9 | 44.9 |

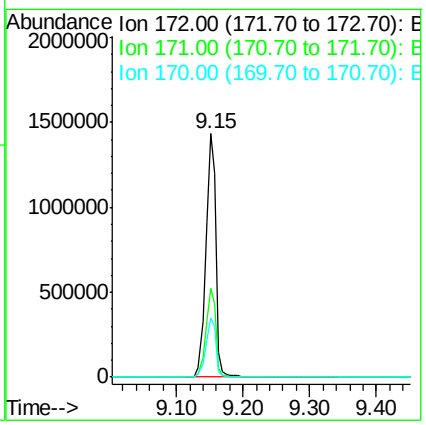


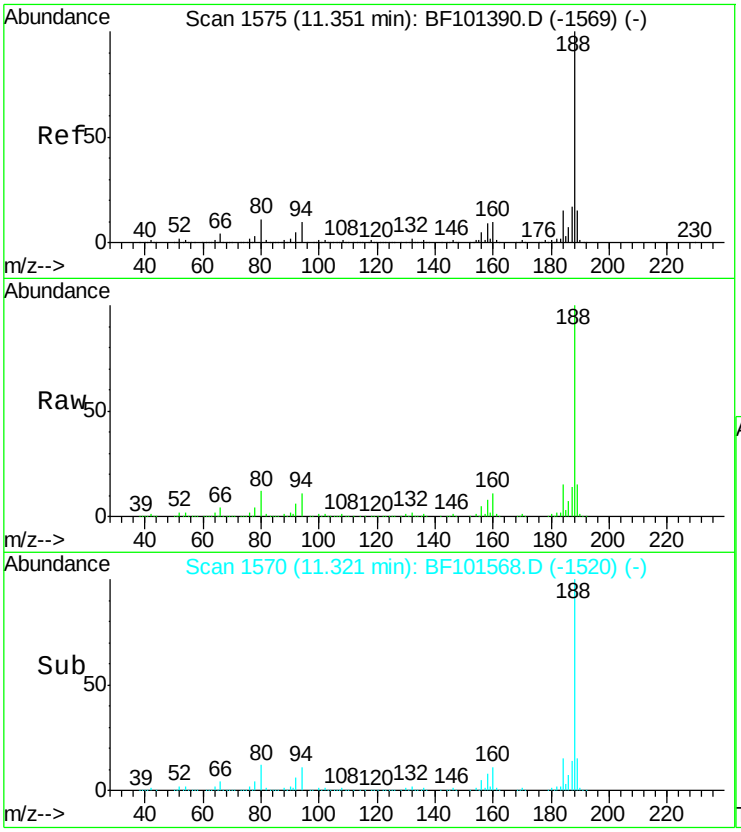




#44
2-Fluorobiphenyl
Concen: 88.846 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

Tgt Ion:172 Resp: 1487632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 24.4 | 19.6 | 29.4 |



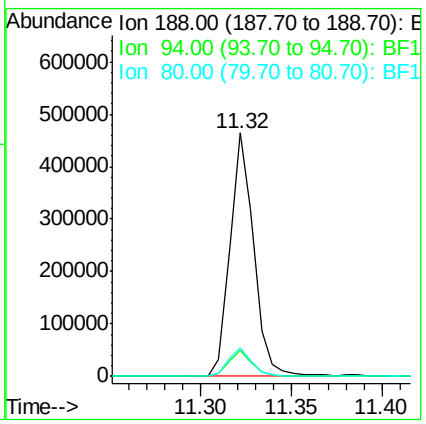


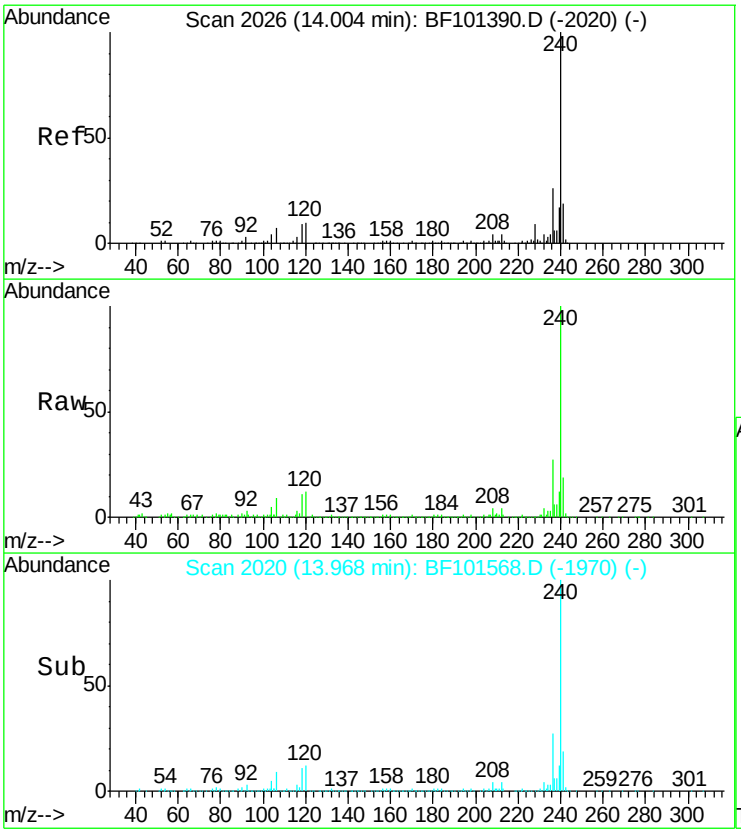

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

Tgt Ion:188 Resp: 424091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.5 | 12.7 |
| 80 | 11.9 | 9.2 | 13.8 |

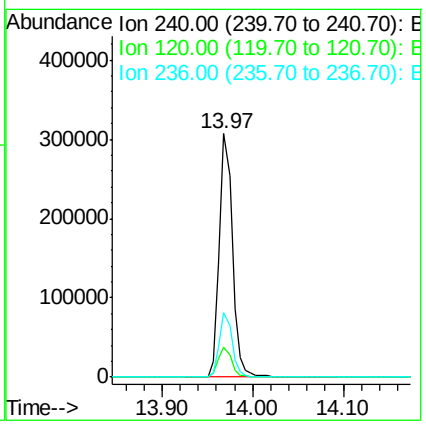


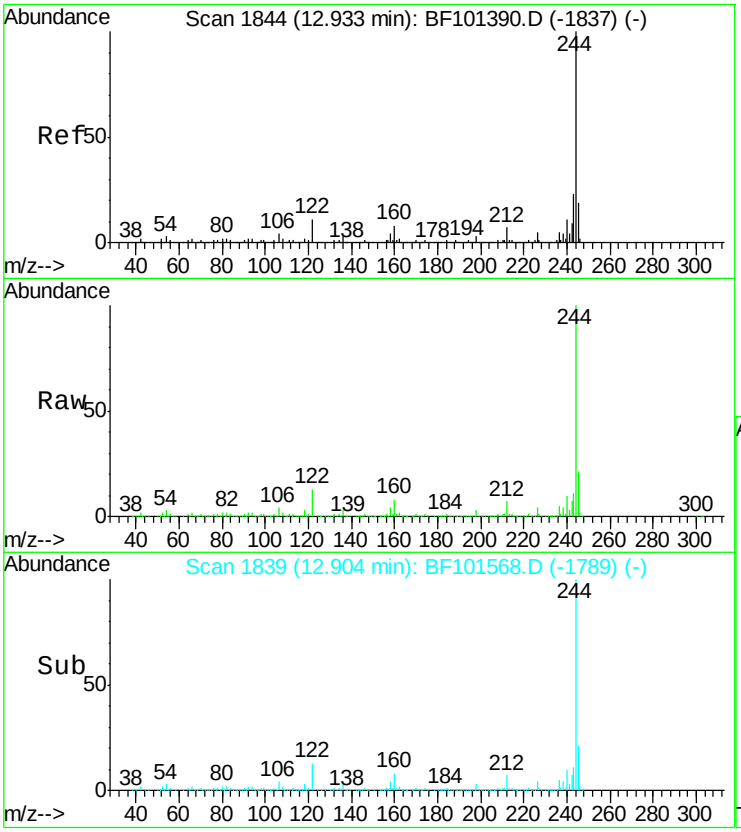




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

Tgt Ion:240 Resp: 304473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 9.5 | 14.3 |
| 236 | 26.6 | 20.7 | 31.1 |



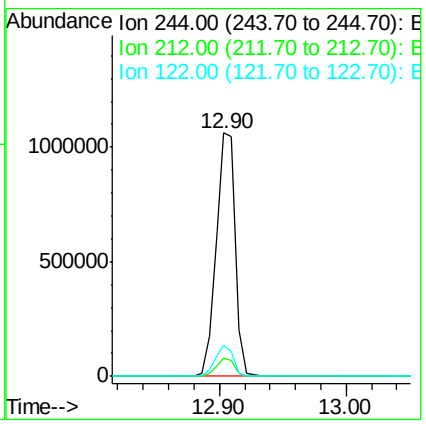


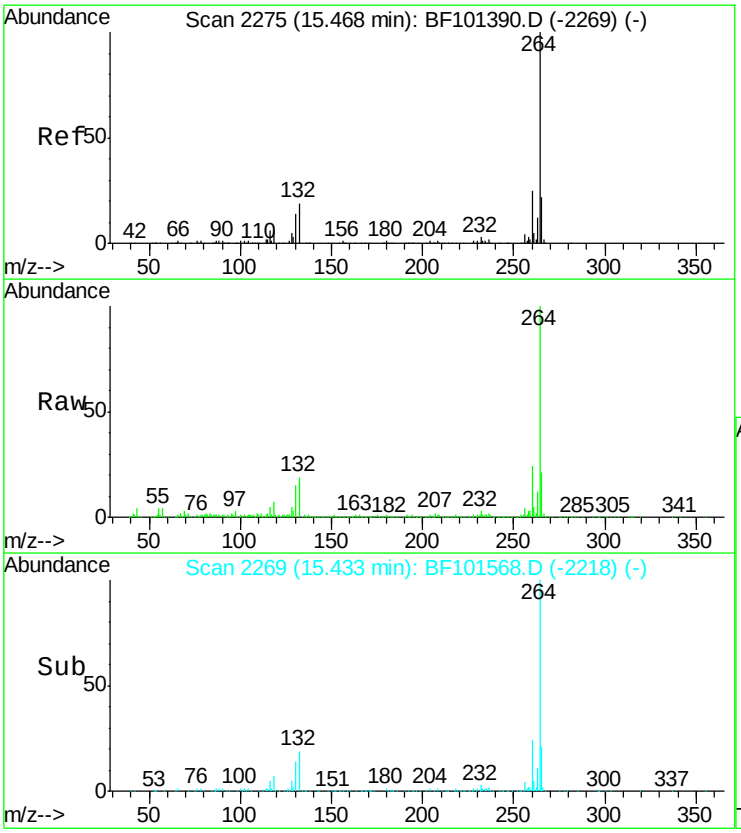

#78
Terphenyl-d14
Concen: 88.640 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

**Instrument :**
BNA_F
**ClientSampleId :**
OK-01-121817

Tgt Ion:244 Resp: 1119491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.4 | 8.0 |
| 122 | 12.6 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101568.D
Acq: 20 Dec 2017 15:29

Tgt Ion:264 Resp: 334079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |