Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
Data File : BF084769.D
Acq On : 3 Feb 2016 3:26
Operator : SJ/IZ
Sample : H1287-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B013(16-18)

Quant Time: Feb 03 06:51:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 195168 | 20.00 | ng | -0.03 |
| 21) Naphthalene-d8 | 7.98 | 136 | 845111 | 20.00 | ng | -0.03 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 393707 | 20.00 | ng | -0.03 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 748762 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 13.85 | 240 | 579875 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.22 | 264 | 403588 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 1720756 | 137.33 | ng | 0.01 |
| 7) Phenol-d6 | 6.36 | 99 | 2019597 | 130.01 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 1251905 | 83.45 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 675078 | 164.38 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 2587399 | 143.10 | ng | -0.02 |
| 78) Terphenyl-d14 | 12.81 | 244 | 2180917 | 85.23 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 8.01 | 128 | 849715 | 20.04 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 86517 | 3.26 | ng | 97 |
| 51) Acenaphthene | 9.77 | 154 | 80817 | 3.16 | ng | 97 |
| 54) Dibenzofuran | 9.94 | 168 | 65563 | 2.10 | ng | 99 |

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

Quantitation Report (LSC Reviewed)

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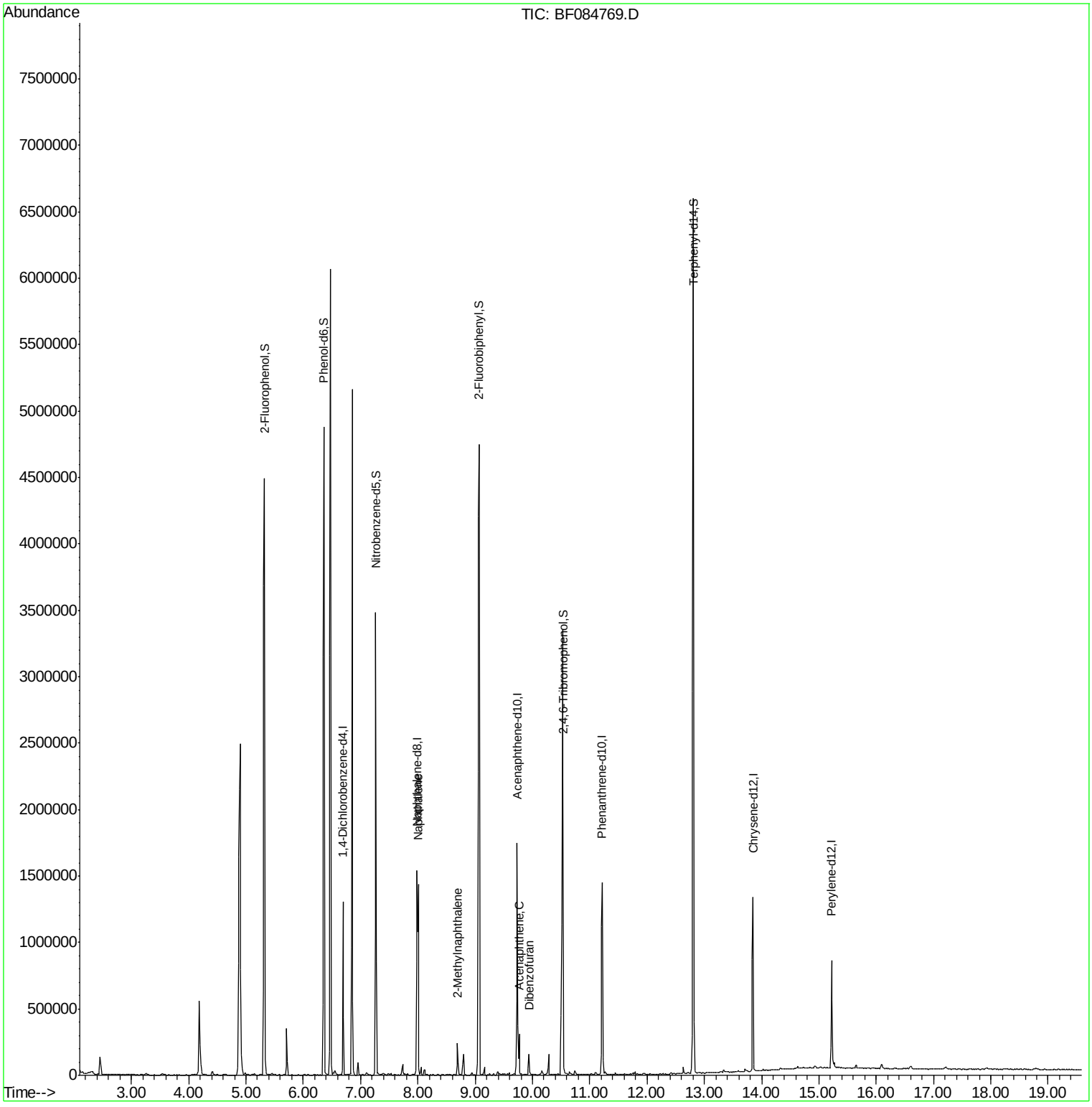
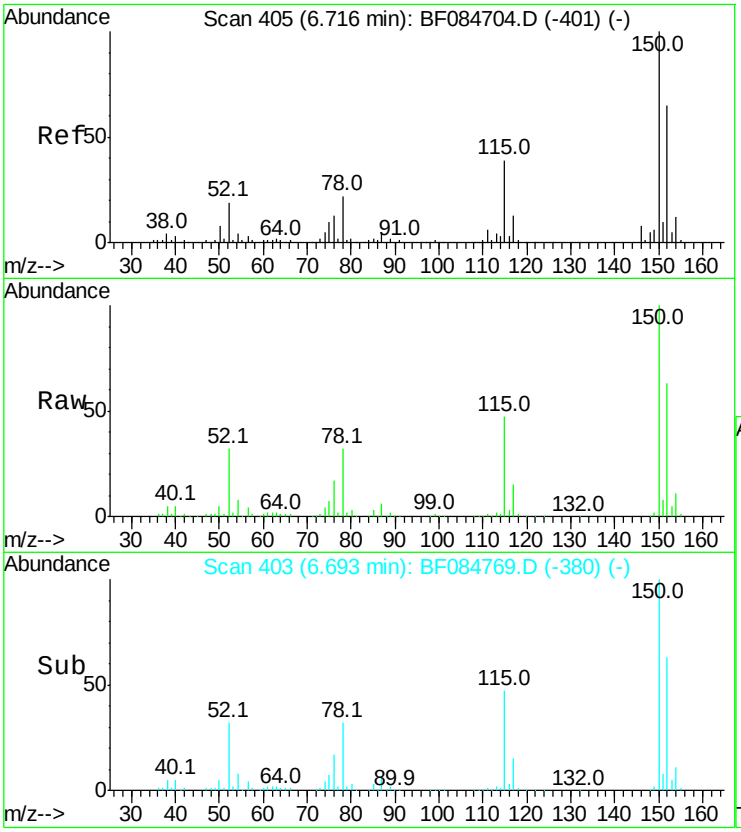
Acq On : 3 Feb 2016 3:26
Operator : SJ/IZ
Sample : H1287-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Quant Time: Feb 03 06:51:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration



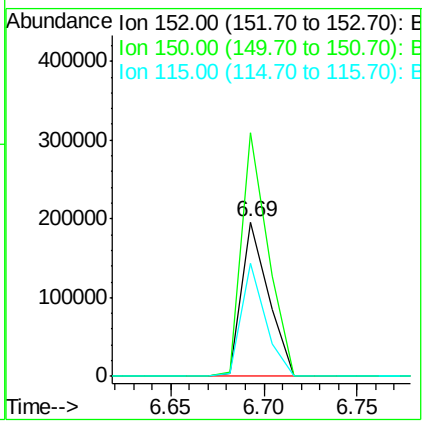


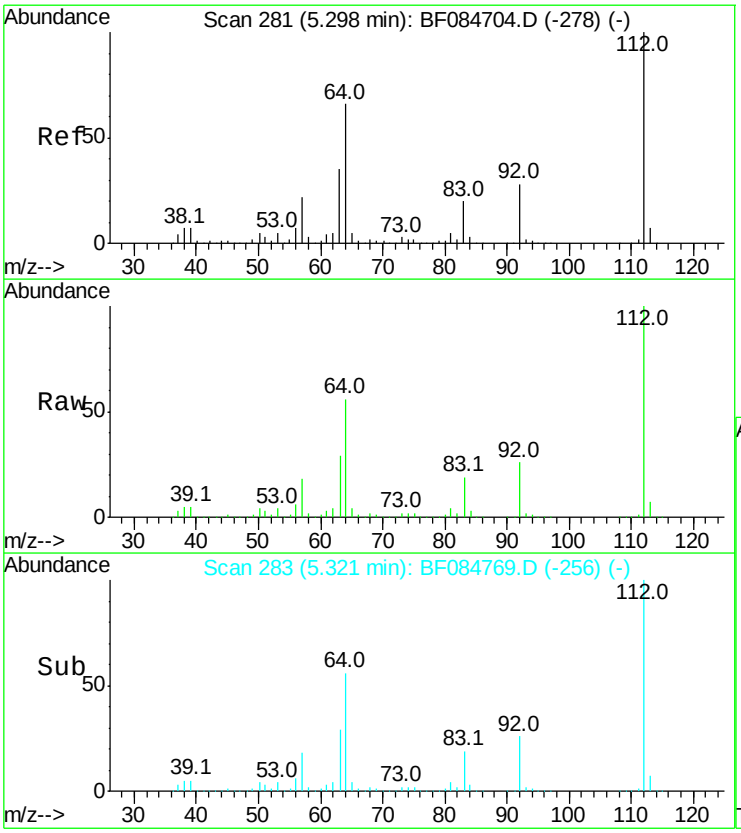

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion:152 Resp: 195168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.9 | 123.0 | 184.4 |
| 115 | 73.5 | 51.4 | 77.2 |

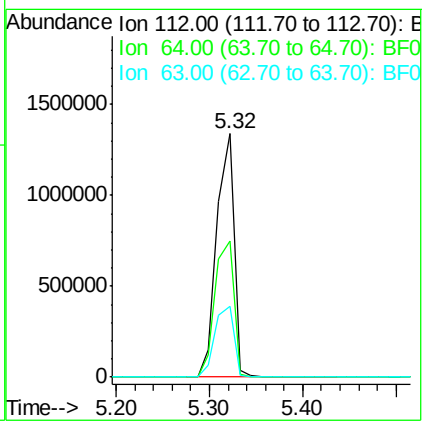


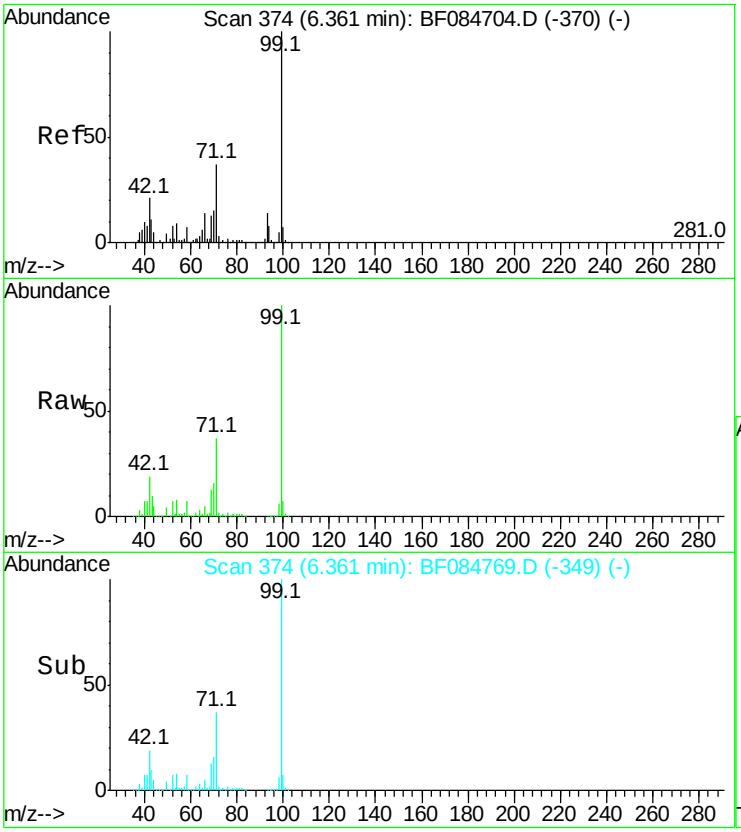




#5
2-Fluorophenol
Concen: 137.33 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:112 Resp: 1720756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.8 | 36.6 | 55.0# |
| 63 | 29.3 | 19.4 | 29.0# |



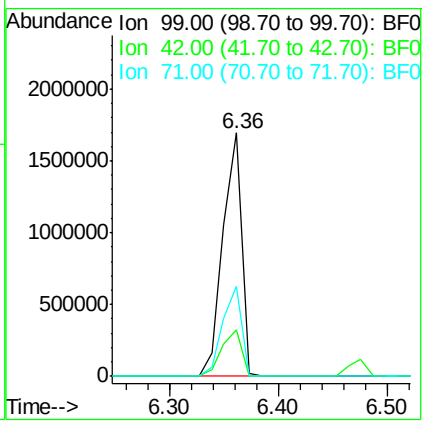


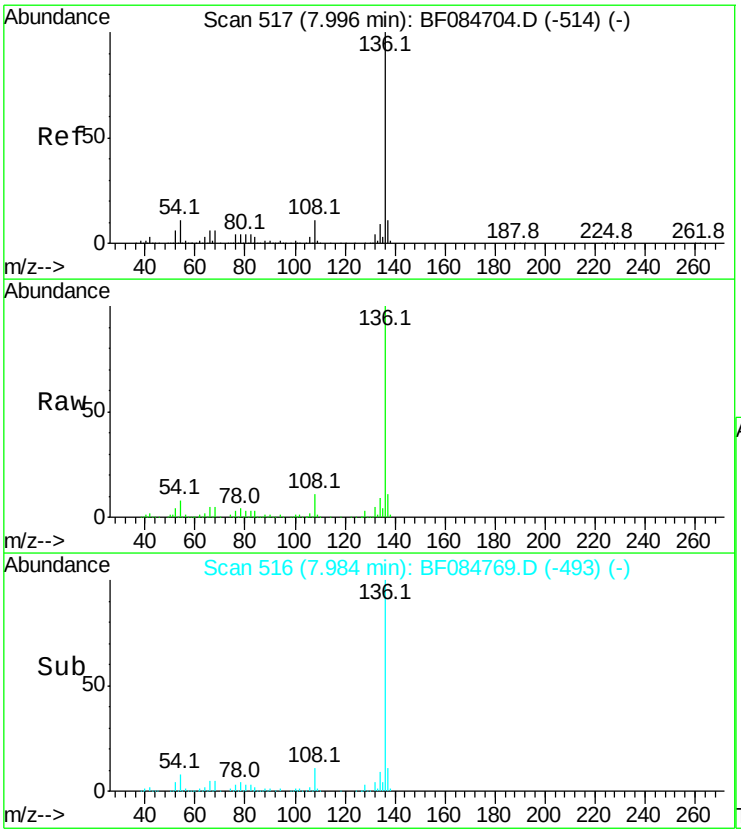

#7
Phenol-d6
Concen: 130.01 ng
RT: 6.36 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion: 99 Resp: 2019597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 12.8 | 19.2# |
| 71 | 36.9 | 30.9 | 46.3 |

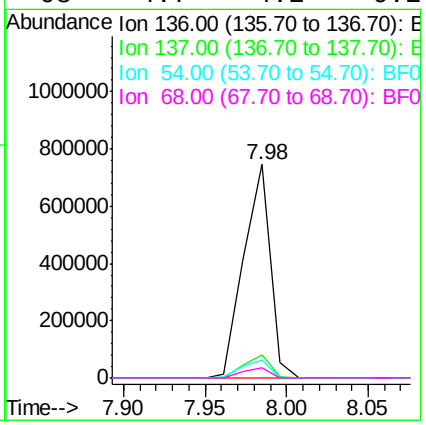


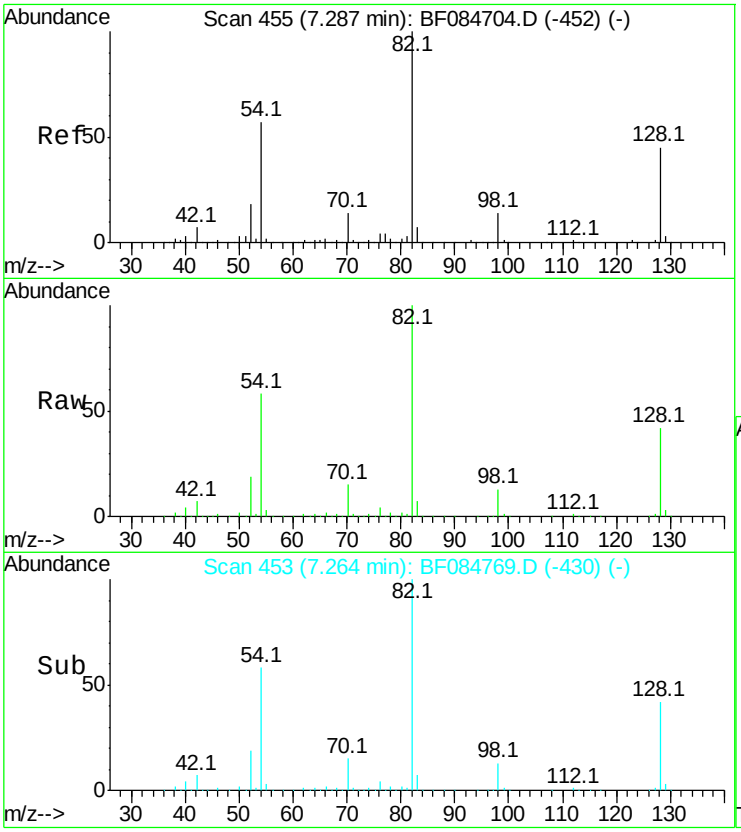




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:136 Resp: 845111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.7 | 13.1 |
| 54 | 8.2 | 5.8 | 8.8 |
| 68 | 4.7 | 4.2 | 6.2 |



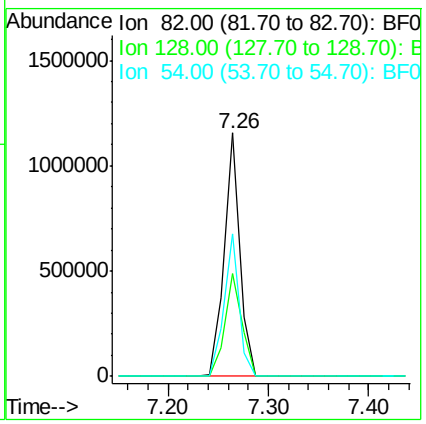


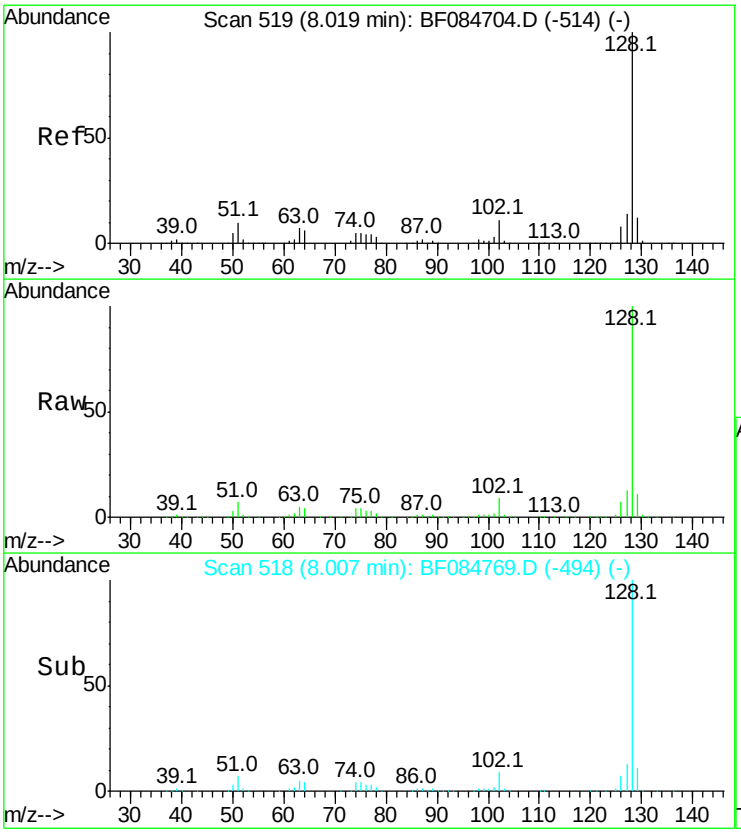

#23
Nitrobenzene-d5
Concen: 83.45 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion: 82 Resp: 1251905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 34.6 | 51.8 |
| 54 | 58.4 | 38.4 | 57.6# |

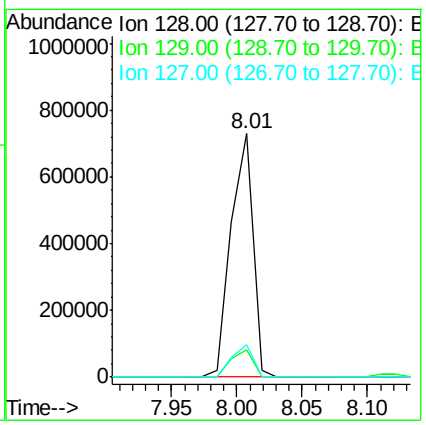


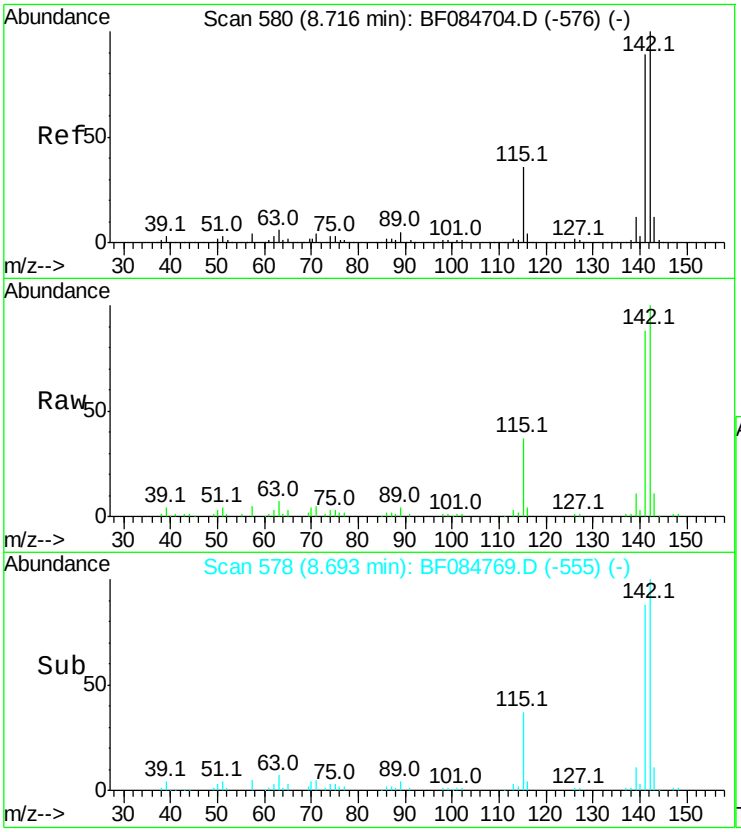




#31
Naphthalene
Concen: 20.04 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:128 Resp: 849715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.1 | 13.7 |
| 127 | 13.4 | 11.1 | 16.7 |



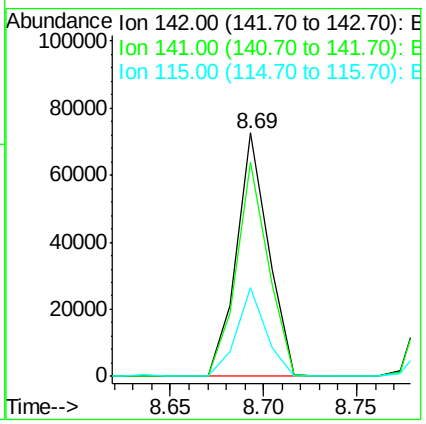


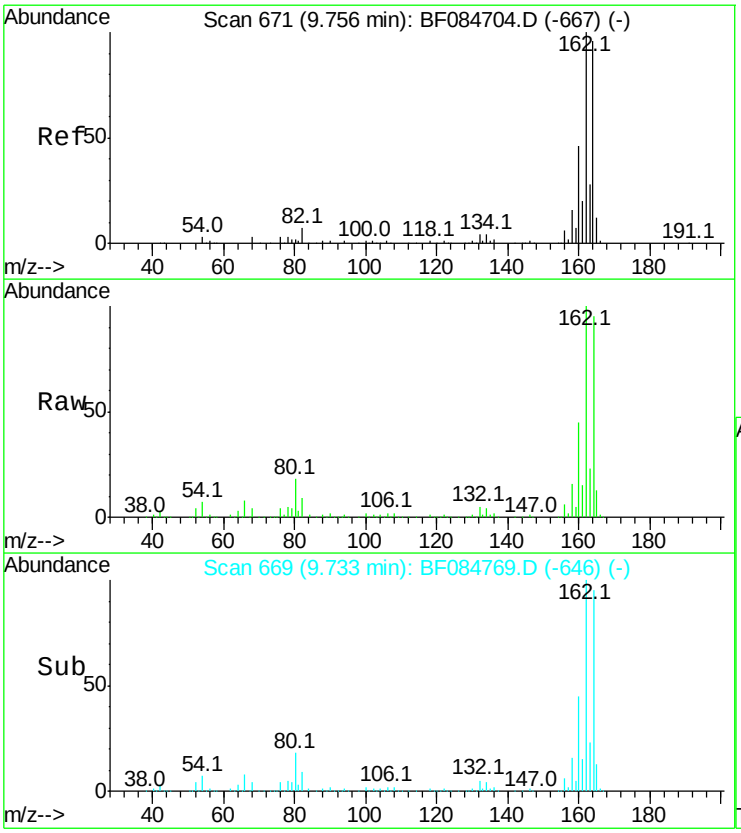

#37
2-Methylnaphthalene
Concen: 3.26 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion:142 Resp: 86517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 72.4 | 108.6 |
| 115 | 36.6 | 27.9 | 41.9 |

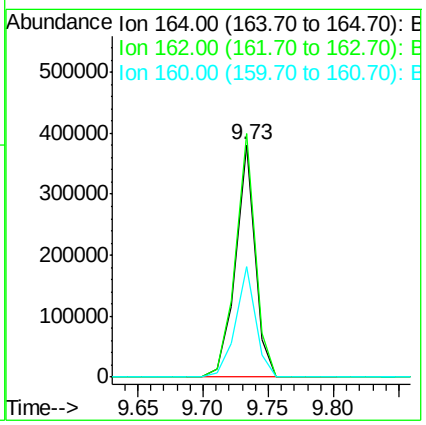


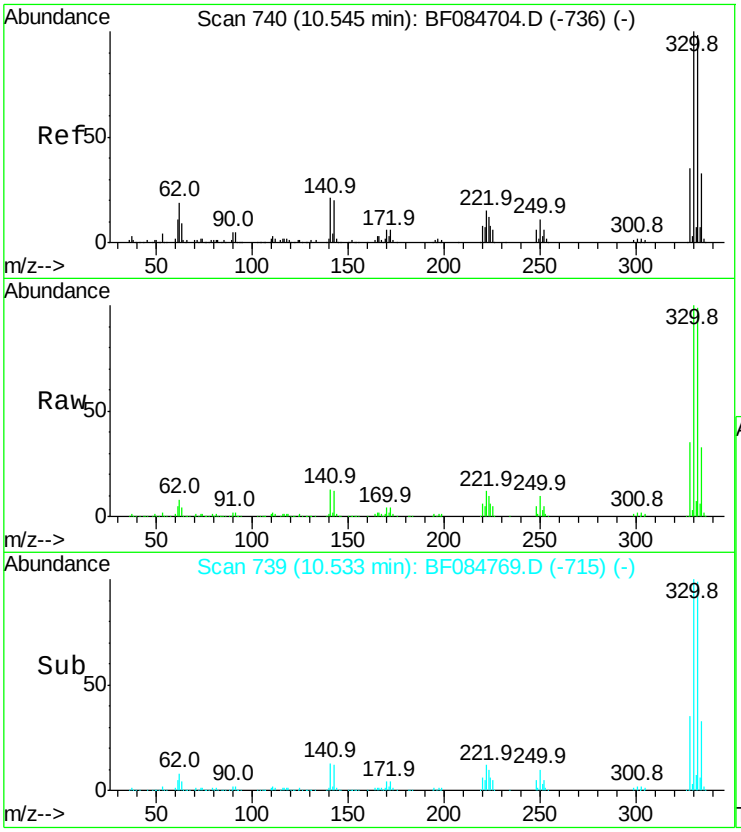




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:164 Resp: 393707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.7 | 85.1 | 127.7 |
| 160 | 47.4 | 37.5 | 56.3 |



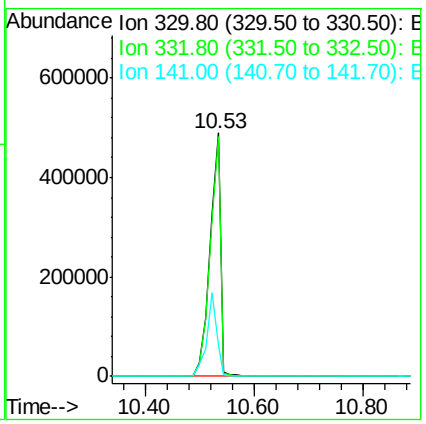


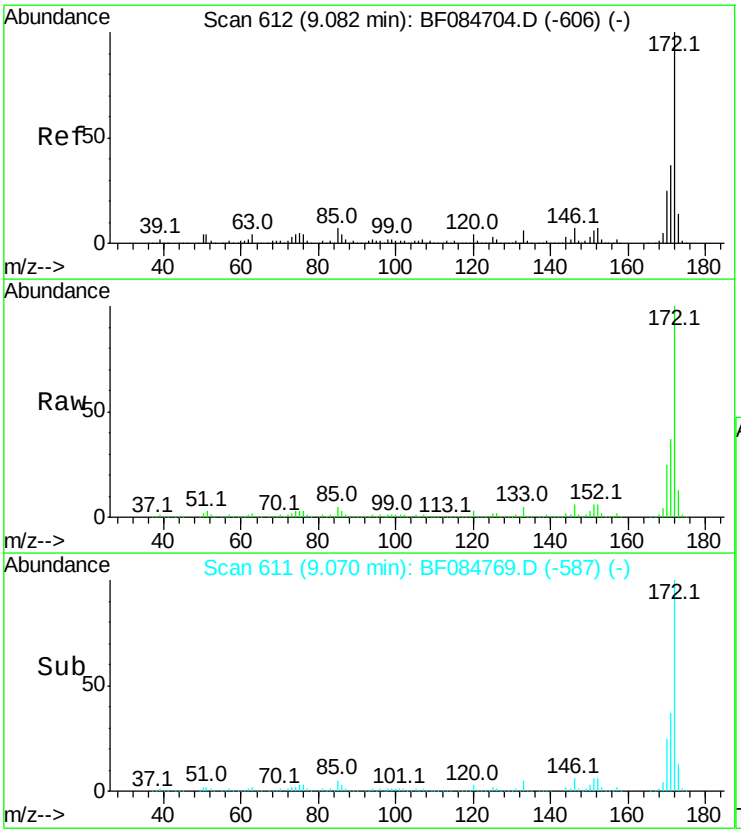

#41
2,4,6-Tribromophenol
Concen: 164.38 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion:330 Resp: 675078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 76.6 | 114.8 |
| 141 | 31.9 | 27.8 | 41.6 |

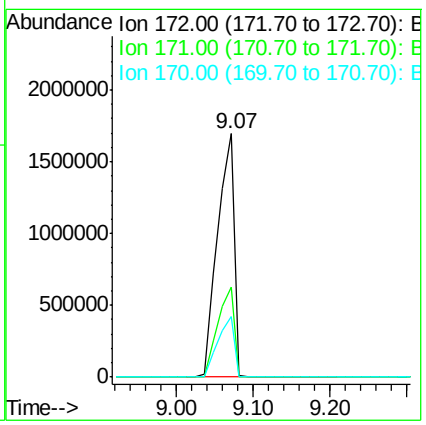


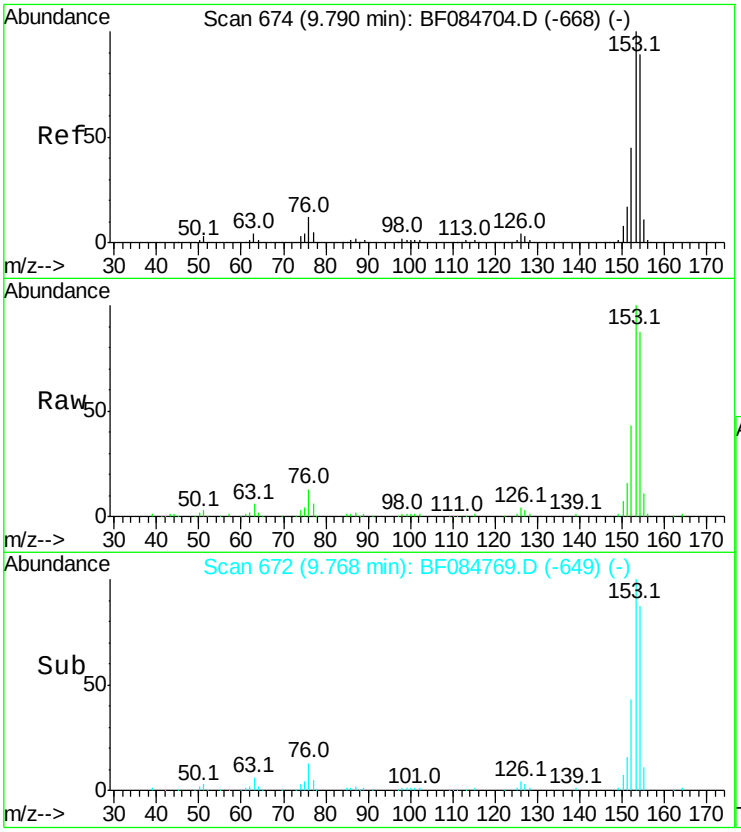




#44
2-Fluorobiphenyl
Concen: 143.10 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:172 Resp: 2587399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.1 | 28.9 | 43.3 |
| 170 | 25.0 | 18.6 | 27.8 |



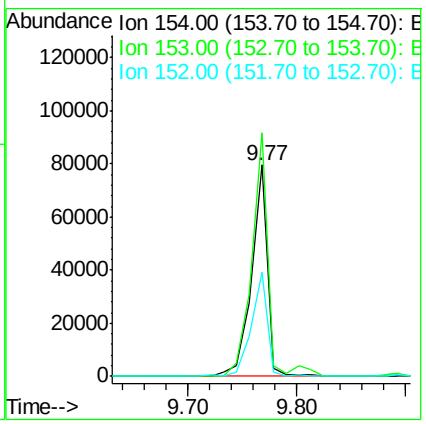


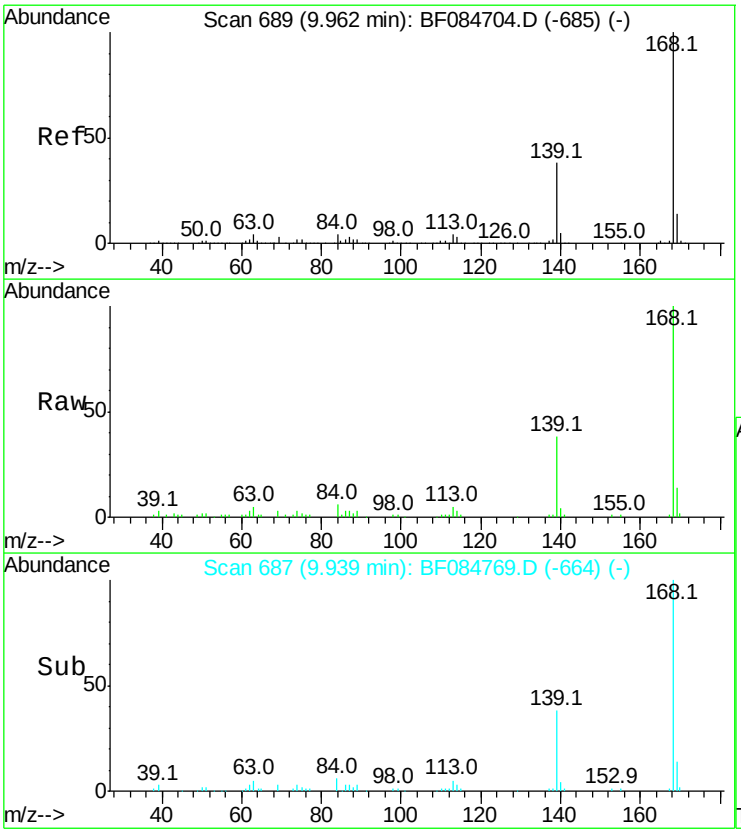

#51
Acenaphthene
Concen: 3.16 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion:154 Resp: 80817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.4 | 91.5 | 137.3 |
| 152 | 49.3 | 43.0 | 64.6 |

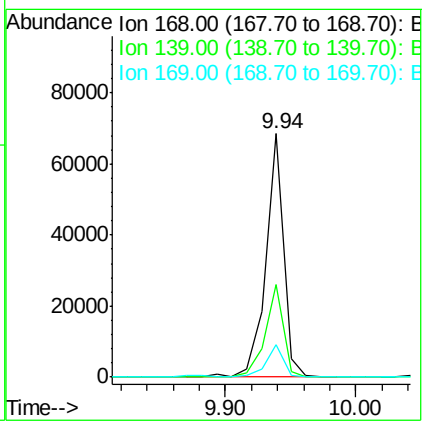


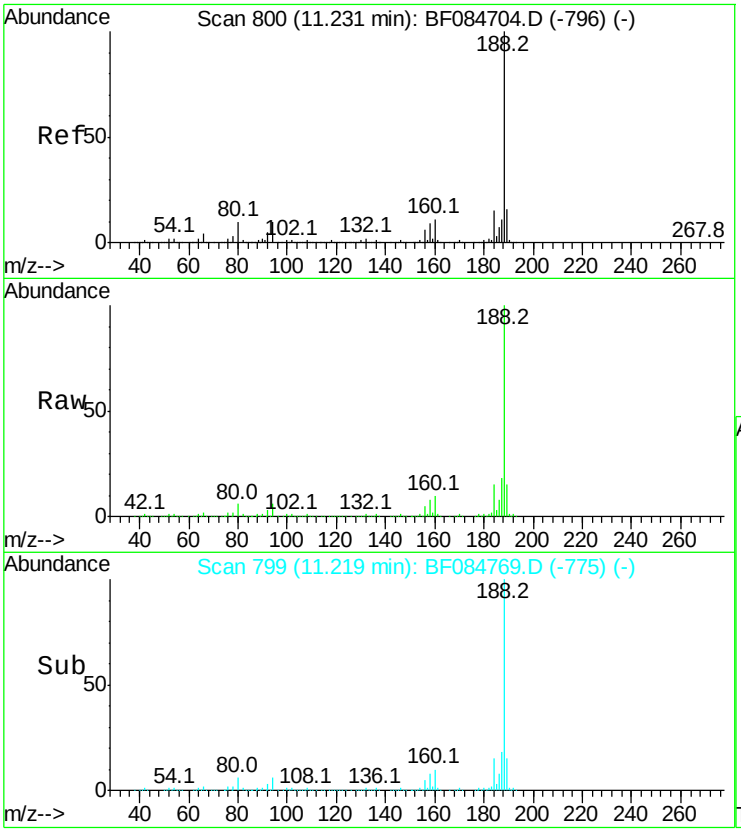




#54
Dibenzofuran
Concen: 2.10 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:168 Resp: 65563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.8 | 30.5 | 45.7 |
| 169 | 13.6 | 10.4 | 15.6 |



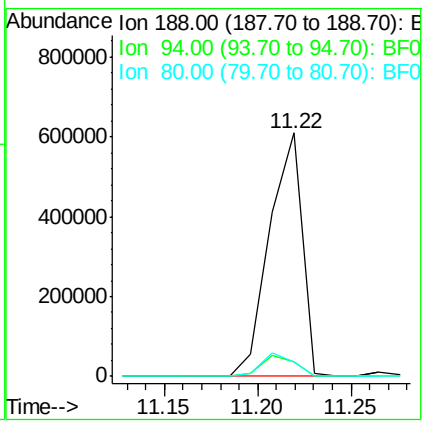


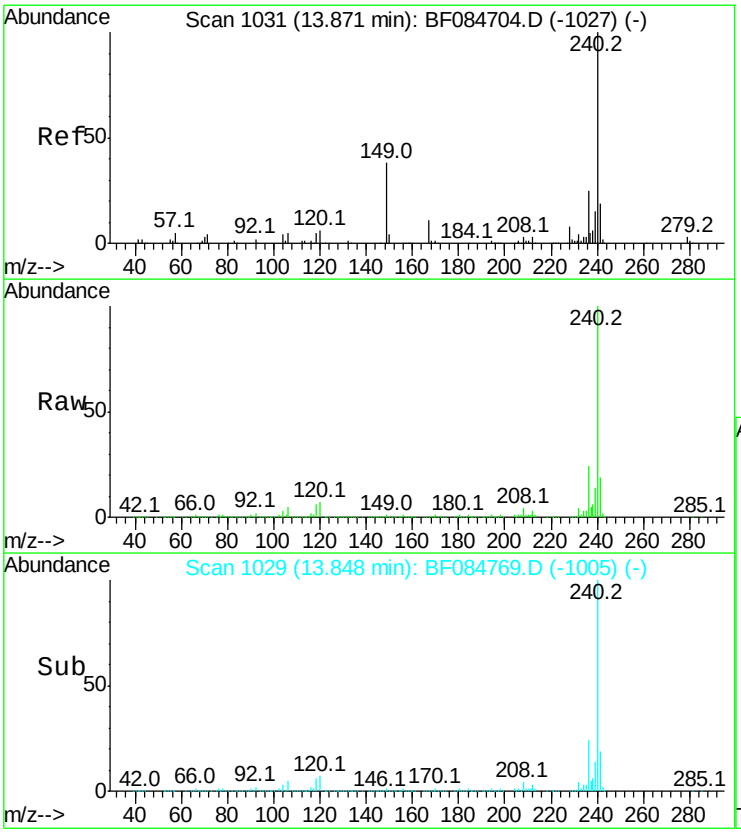

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion:188 Resp: 748762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.8 | 9.0 | 13.4# |
| 80 | 6.0 | 9.6 | 14.4# |

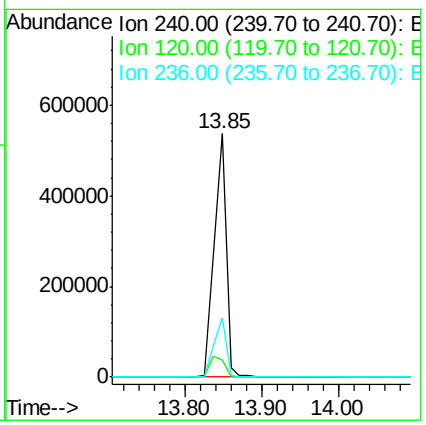


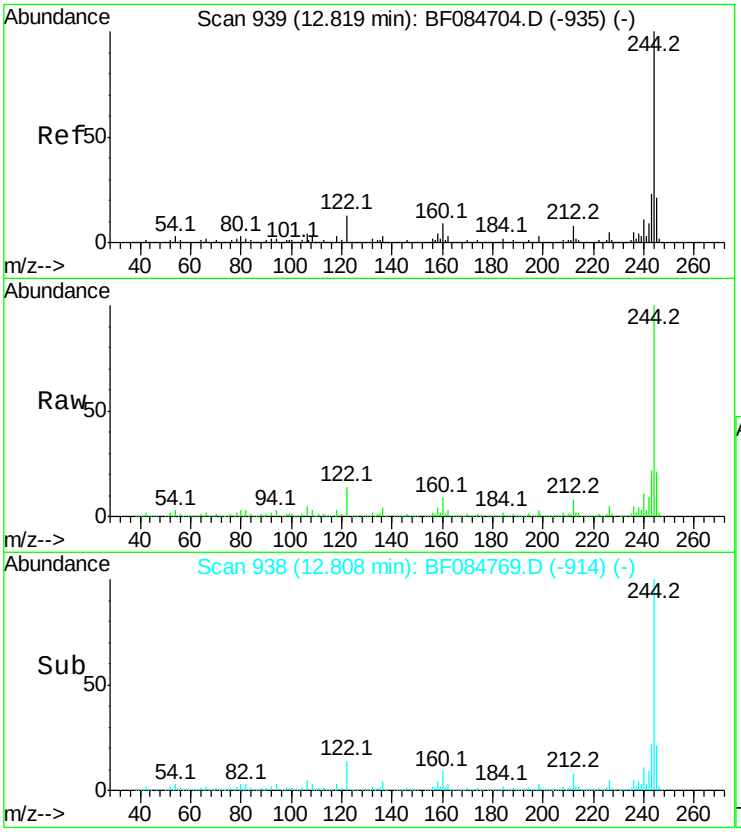




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:240 Resp: 579875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.9 | 9.5 | 14.3# |
| 236 | 24.2 | 20.6 | 31.0 |



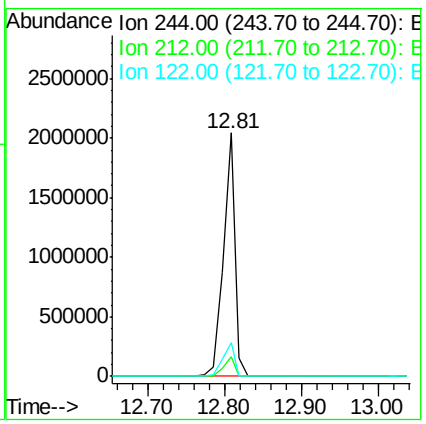


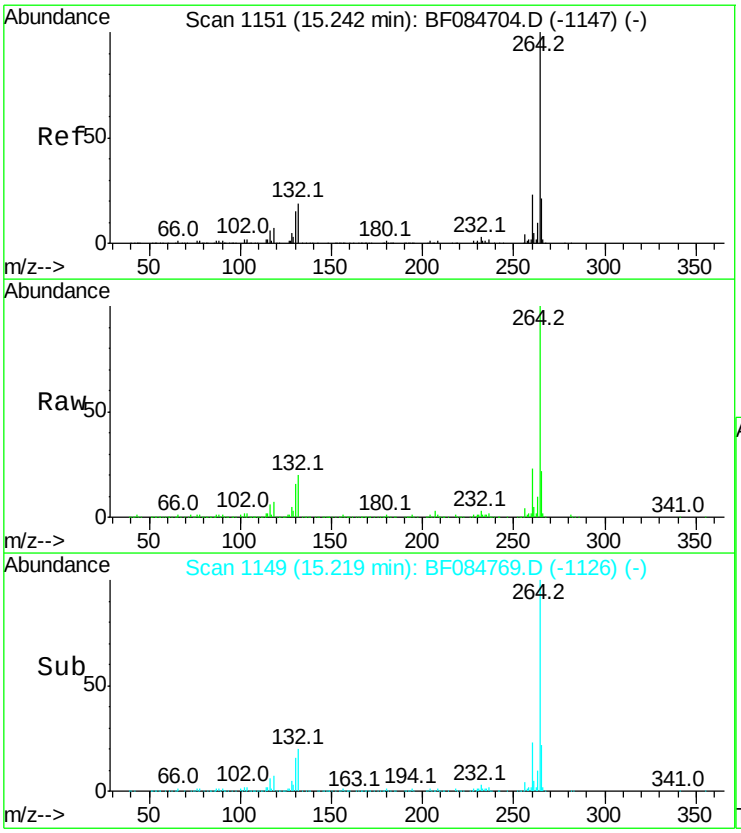

#78
Terphenyl-d14
Concen: 85.23 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B013(16-18)

Tgt Ion:244 Resp: 2180917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 5.7 | 8.5 |
| 122 | 13.8 | 7.4 | 11.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:264 Resp: 403588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 19.4 | 29.2 |
| 265 | 22.1 | 17.8 | 26.6 |