Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021416\
Data File : BF085076.D
Acq On : 13 Feb 2016 10:16
Operator : SJ/IZ
Sample : H1409-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SUP-B039(9-11)

Quant Time: Feb 15 00:58:03 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 13 00:11:18 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.91 | 152 | 119596 | 20.00 | ng | 0.02 |
| 21) Naphthalene-d8 | 7.79 | 136 | 552515 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 10.58 | 164 | 270704 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 13.01 | 188 | 502916 | 20.00 | ng | 0.01 |
| 75) Chrysene-d12 | 17.18 | 240 | 320598 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 18.80 | 264 | 268964 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 4.14 | 112 | 1084217 | 158.52 | ng | -0.02 |
| 7) Phenol-d6 | 5.43 | 99 | 1542476 | 169.21 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 6.72 | 82 | 965640 | 103.21 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.88 | 330 | 406777 | 145.49 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.53 | 172 | 1612734 | 85.16 | ng | 0.00 |
| 78) Terphenyl-d14 | 15.62 | 244 | 1222234 | 78.46 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.72 | 88 | 78330 | 27.80 | ng | # 15 |
| 11) bis(2-Chloroethyl)ether | 5.56 | 93 | 839 | Below Cal | | # 1 |
| 15) Benzyl Alcohol | 6.08 | 79 | 16464 | 2.96 | ng | # 46 |
| 19) n-Nitroso-di-n-propylamine | 6.72 | 70 | 80865 | 14.08 | ng | # 73 |
| 49) Dimethylphthalate | 10.22 | 163 | 267872 | 13.20 | ng | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 11.90 | 198 | 209 | 5.09 | ng | # 1 |
| 89) Benzo(a)pyrene | 18.83 | 252 | 36162 | 2.43 | ng | # 93 |

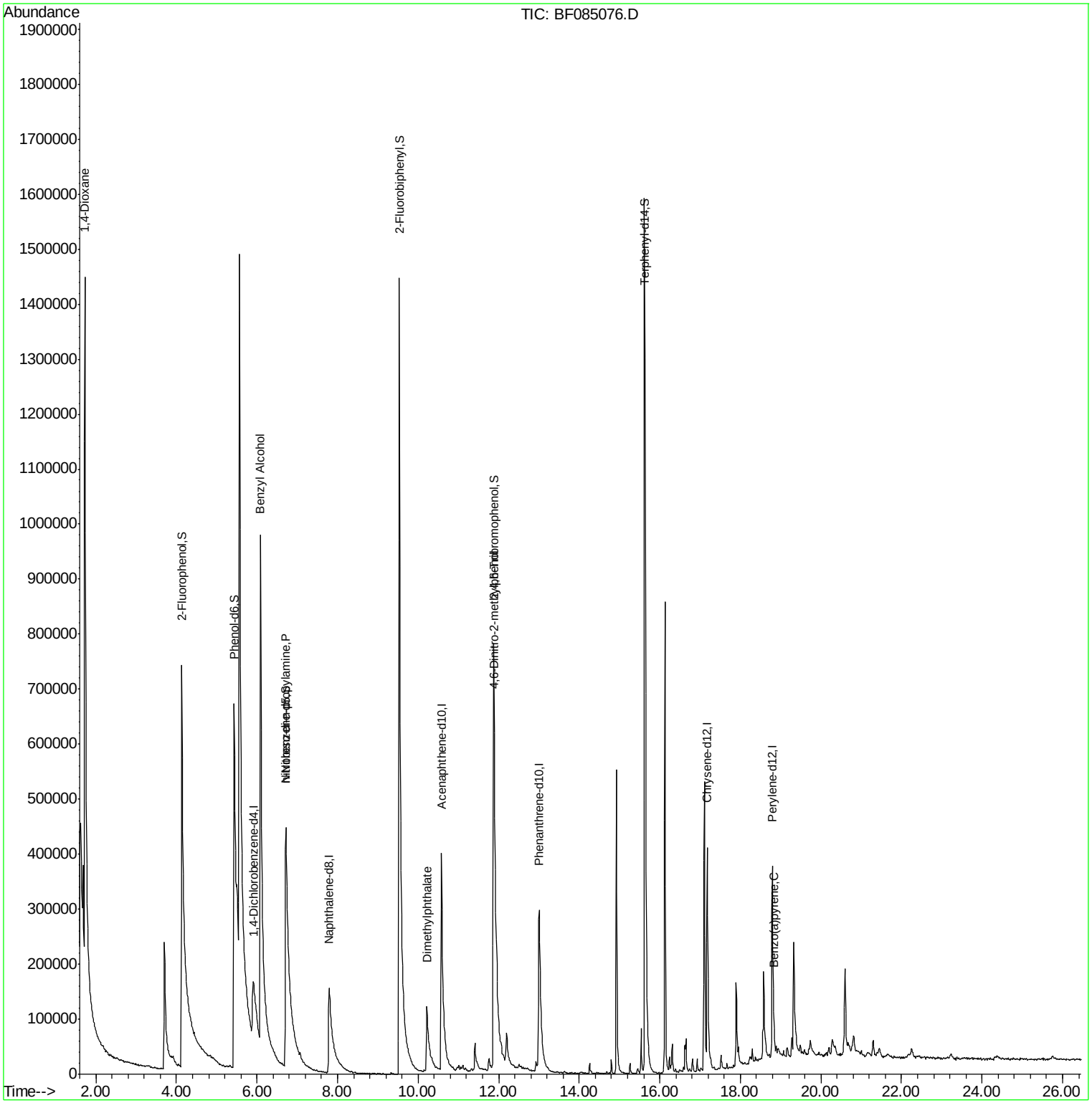
(#) = qualifier out of range (m) = manual integration (+) = signals summed

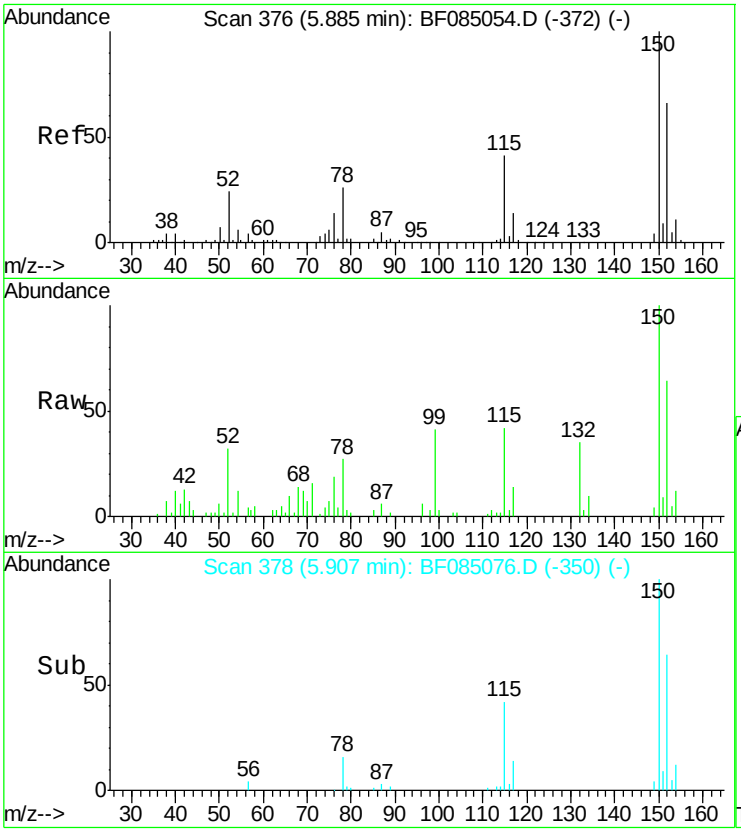
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021416\
Data File : BF085076.D
Acq On : 13 Feb 2016 10:16
Operator : SJ/IZ
Sample : H1409-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Quant Time: Feb 15 00:58:03 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 13 00:11:18 2016
Response via : Initial Calibration



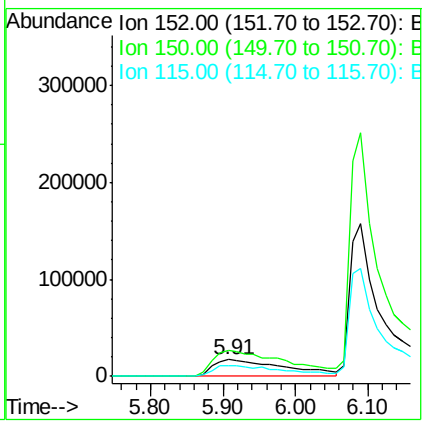


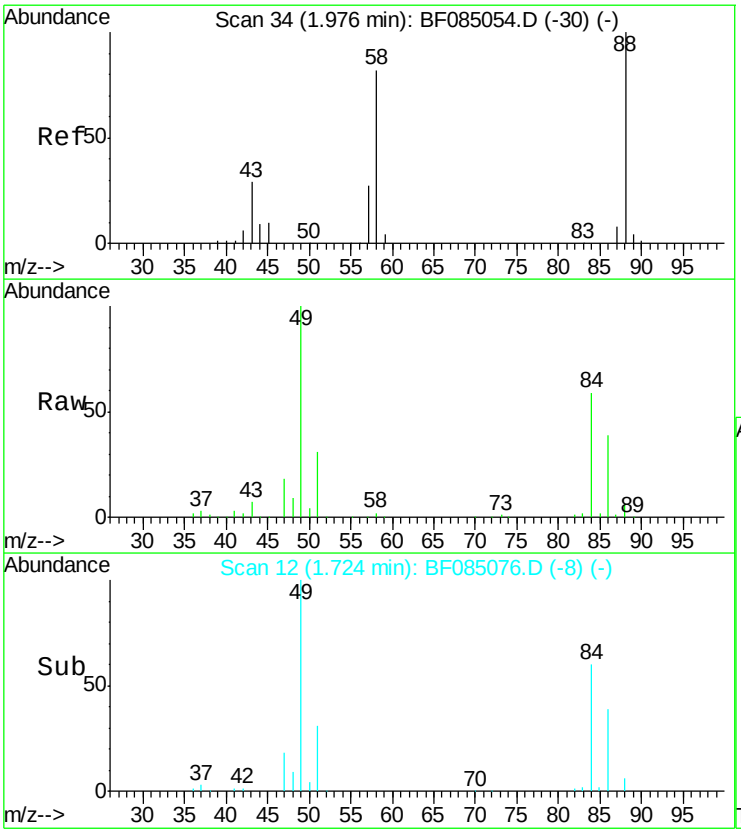

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.91 min Scan# 378
Delta R.T. 0.02 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:152 Resp: 119596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 127.4 | 191.2 |
| 115 | 65.6 | 50.5 | 75.7 |

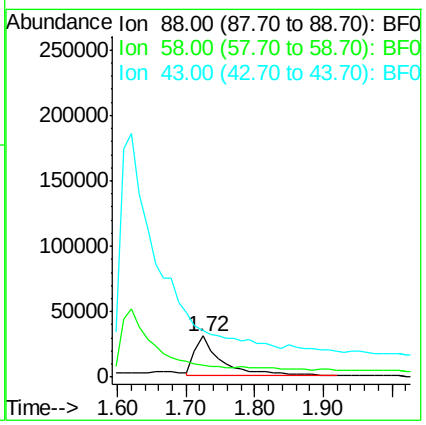


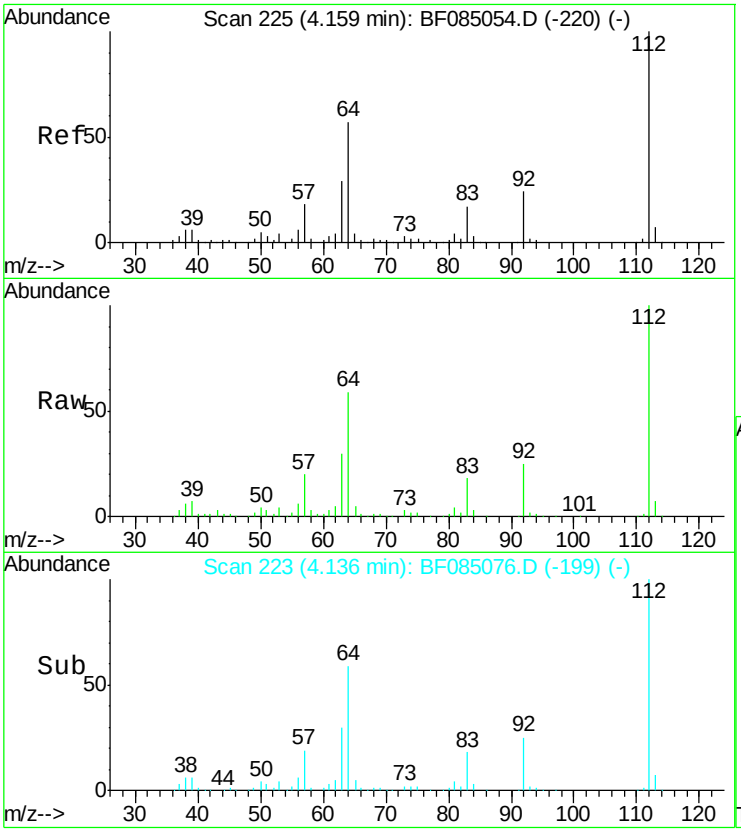




#2
1,4-Dioxane
Concen: 27.80 ng
RT: 1.72 min Scan# 12
Delta R.T. -0.25 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion: 88 Resp: 78330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 70.9 | 106.3# |
| 43 | 0.0 | 25.9 | 38.9# |



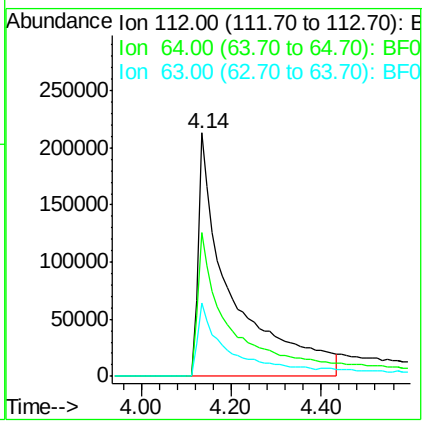


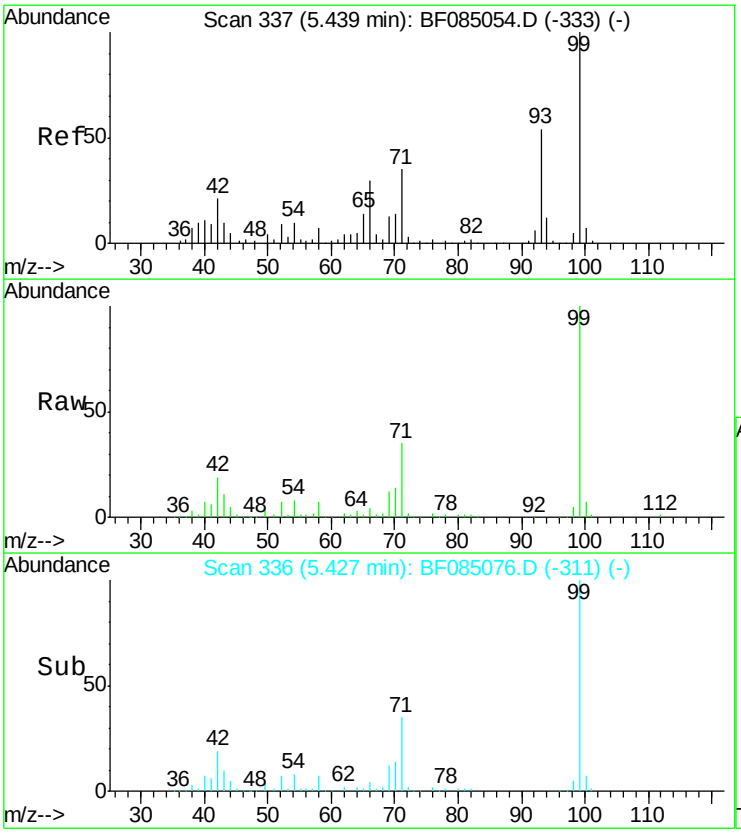

#5
2-Fluorophenol
Concen: 158.52 ng
RT: 4.14 min Scan# 223
Delta R.T. -0.02 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:112 Resp: 1084217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.9 | 45.4 | 68.2 |
| 63 | 30.2 | 23.2 | 34.8 |

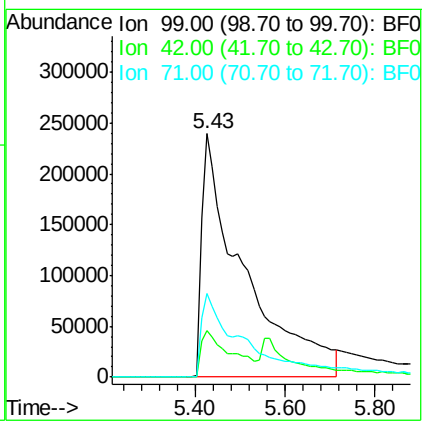


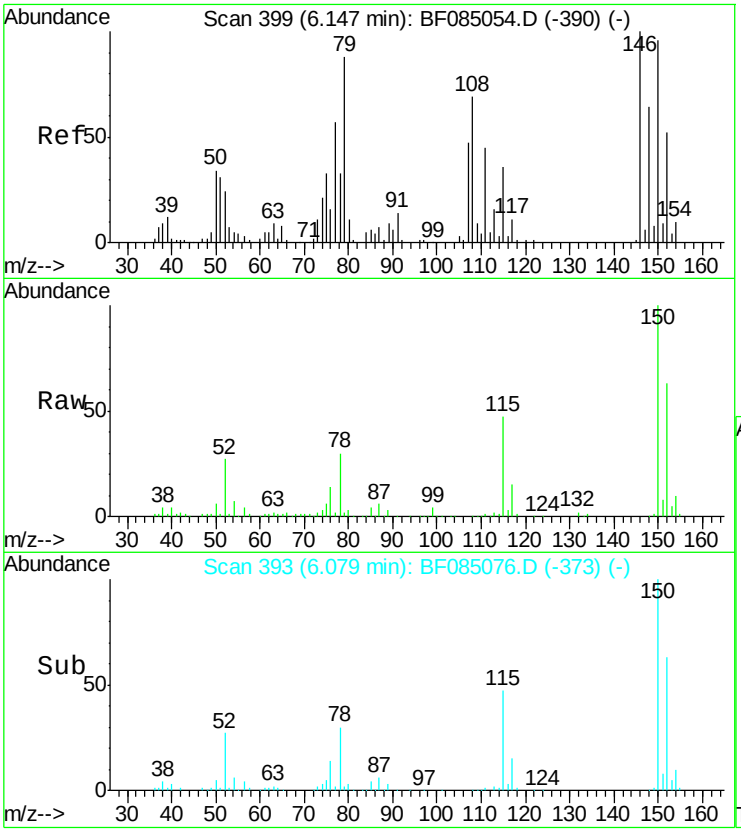




#7
Phenol-d6
Concen: 169.21 ng
RT: 5.43 min Scan# 336
Delta R.T. -0.01 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion: 99 Resp: 1542476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.2 | 17.0 | 25.4 |
| 71 | 34.5 | 28.3 | 42.5 |



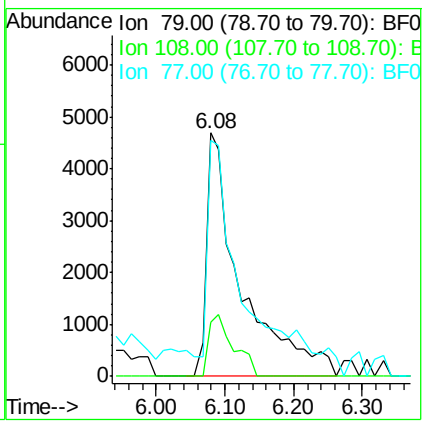


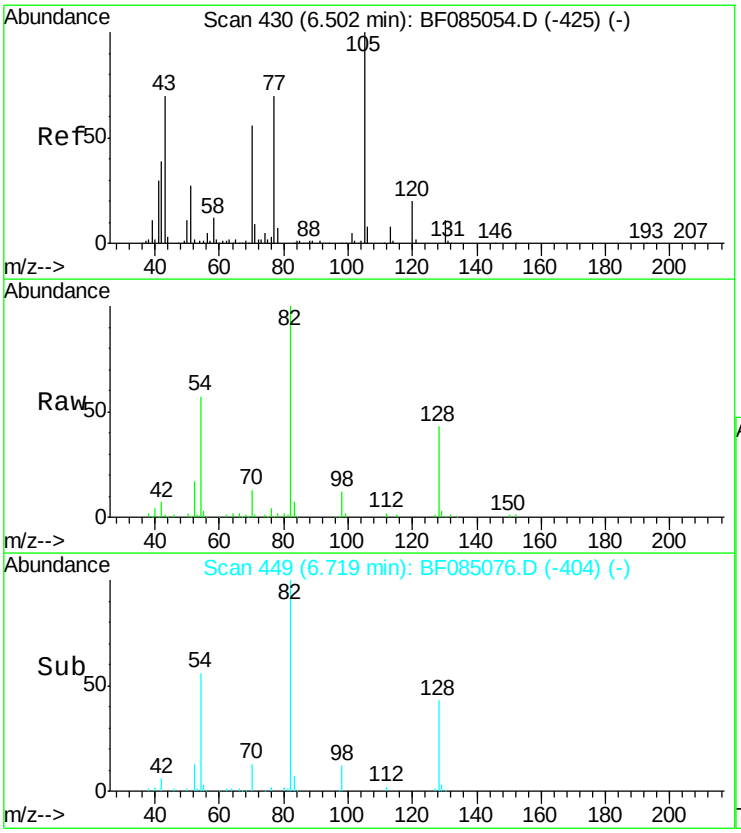

#15
Benzyl Alcohol
Concen: 2.96 ng
RT: 6.08 min Scan# 393
Delta R.T. -0.07 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion: 79 Resp: 16464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 22.4 | 63.4 | 95.0# |
| 77 | 96.9 | 51.8 | 77.6# |

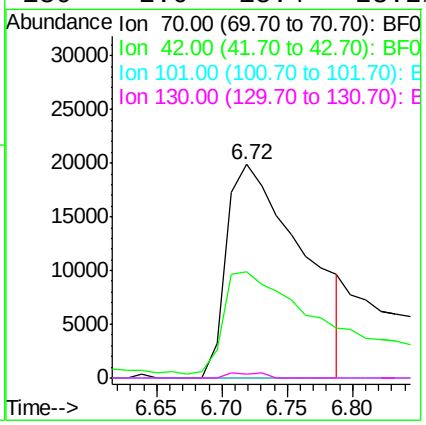


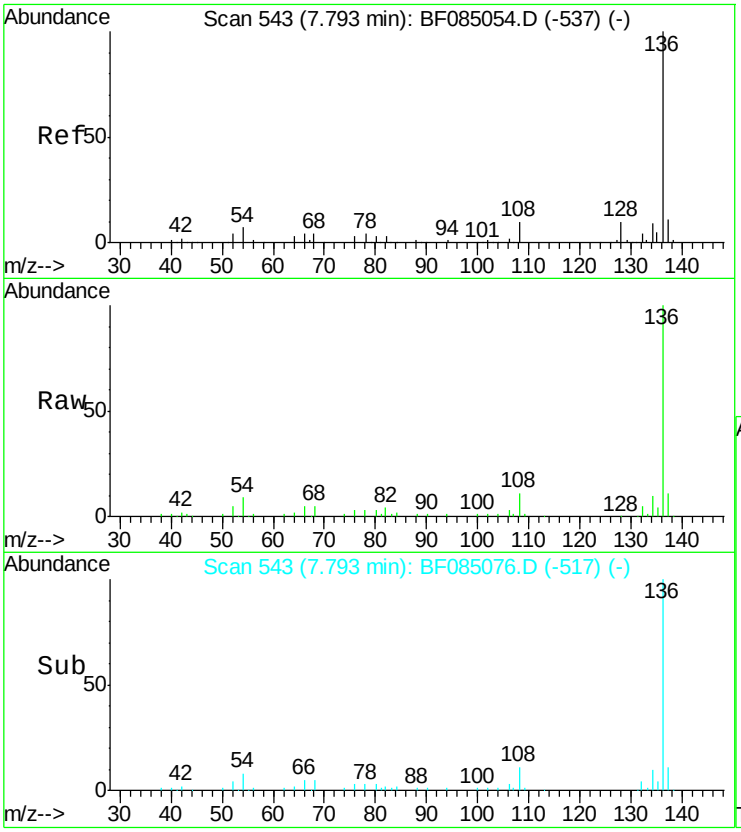




#19
n-Nitroso-di-n-propylamine
Concen: 14.08 ng
RT: 6.72 min Scan# 449
Delta R.T. 0.22 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion: 70 Resp: 80865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 49.5 | 55.8 | 83.6# |
| 101 | 0.0 | 7.7 | 11.5# |
| 130 | 2.0 | 15.4 | 23.2# |



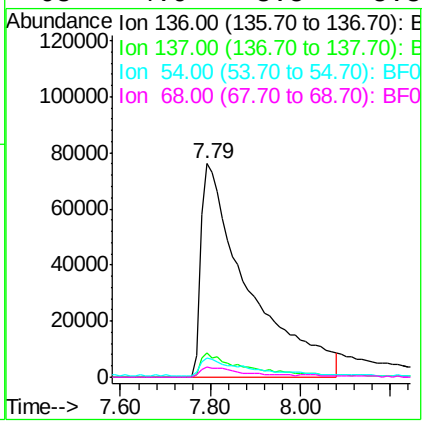


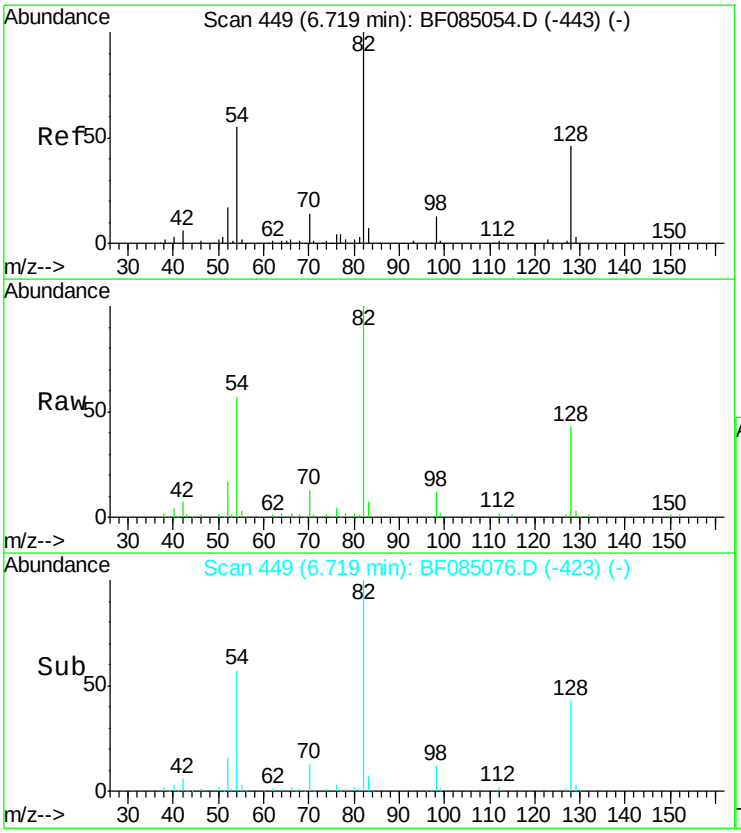

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:136 Resp: 552515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 9.0 | 6.1 | 9.1 |
| 68 | 4.9 | 3.5 | 5.3 |

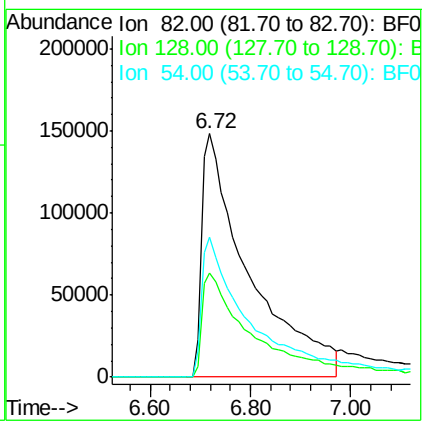


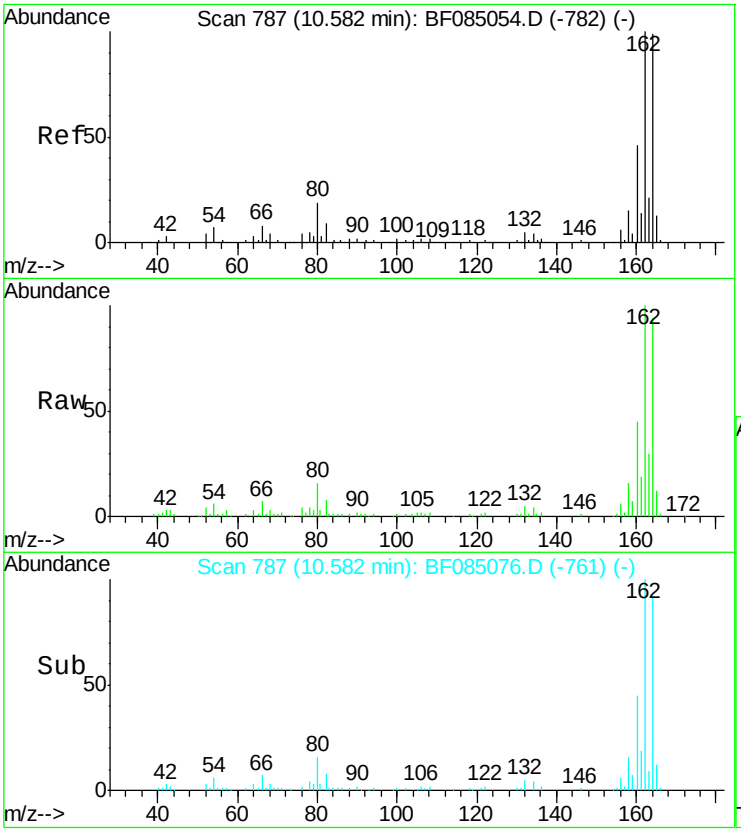




#23
Nitrobenzene-d5
Concen: 103.21 ng
RT: 6.72 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion: 82 Resp: 965640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 36.8 | 55.2 |
| 54 | 57.2 | 44.4 | 66.6 |



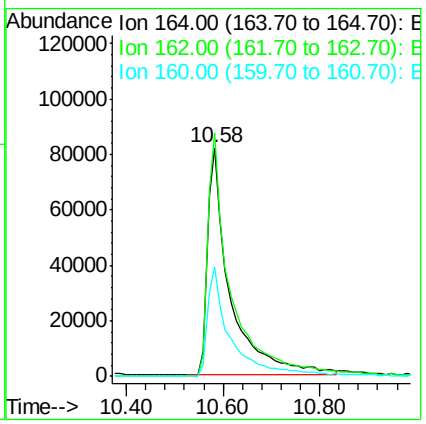


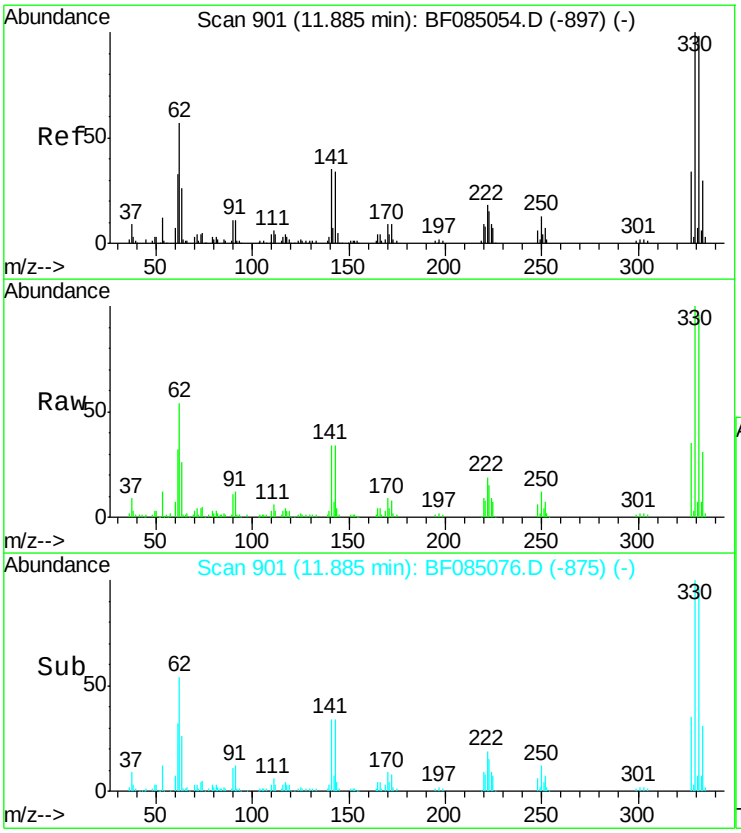

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.58 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:164 Resp: 270704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 81.1 | 121.7 |
| 160 | 48.0 | 37.4 | 56.0 |

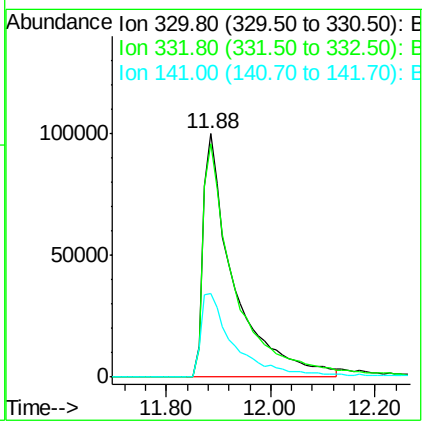


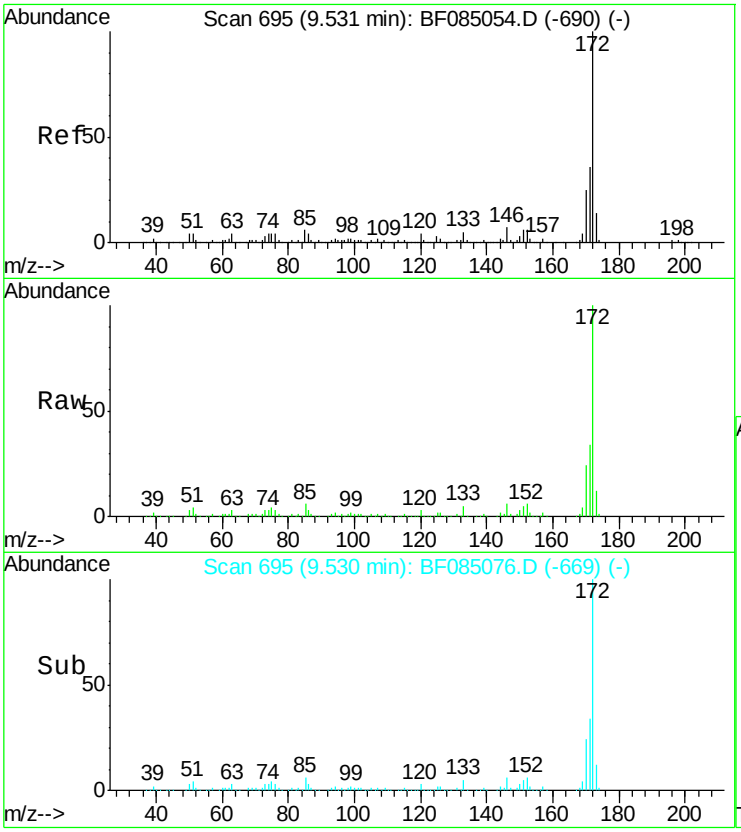




#41
2,4,6-Tribromophenol
Concen: 145.49 ng
RT: 11.88 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion:330 Resp: 406777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.1 | 78.5 | 117.7 |
| 141 | 37.7 | 28.6 | 42.8 |



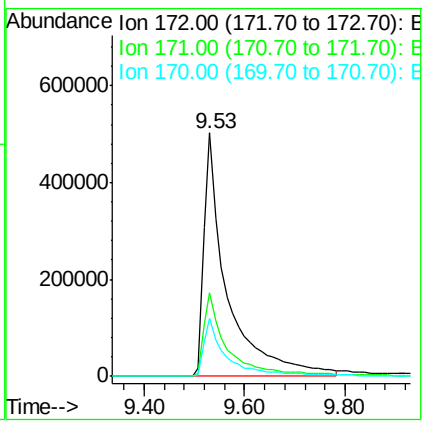


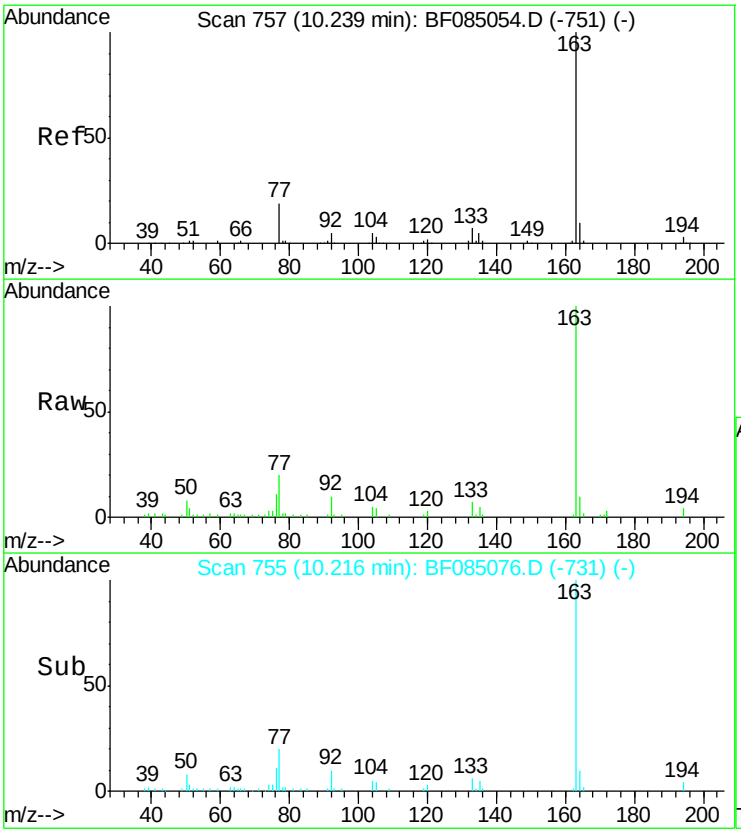

#44
2-Fluorobiphenyl
Concen: 85.16 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:172 Resp: 1612734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 29.1 | 43.7 |
| 170 | 23.7 | 19.6 | 29.4 |

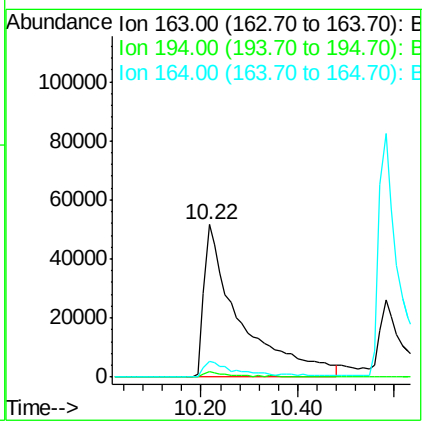


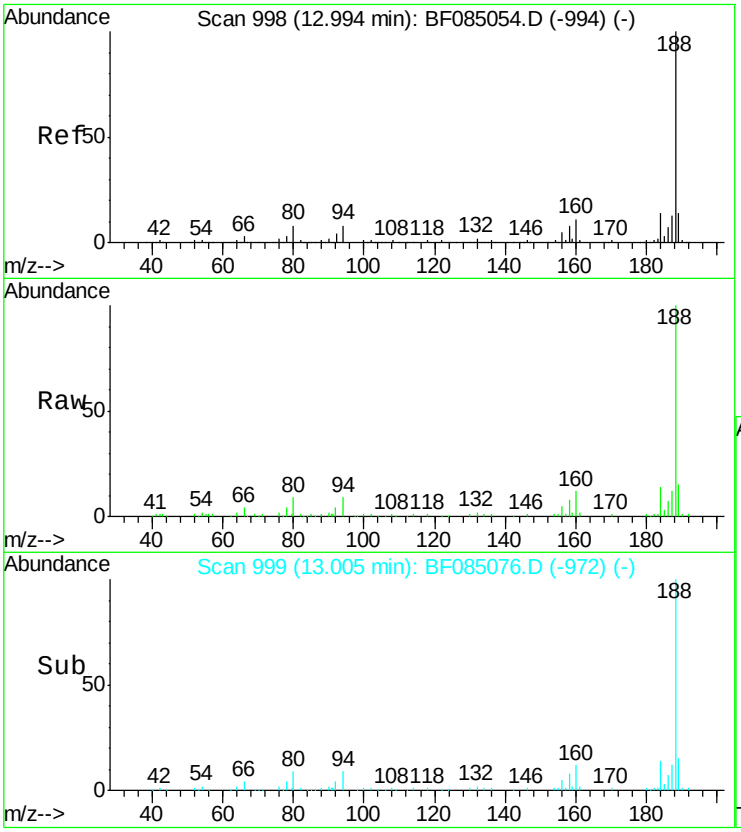




#49
Dimethylphthalate
Concen: 13.20 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion:163 Resp: 267872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.5 | 3.7 |
| 164 | 10.3 | 7.8 | 11.8 |



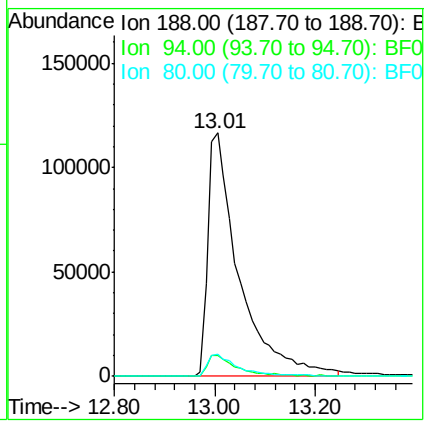


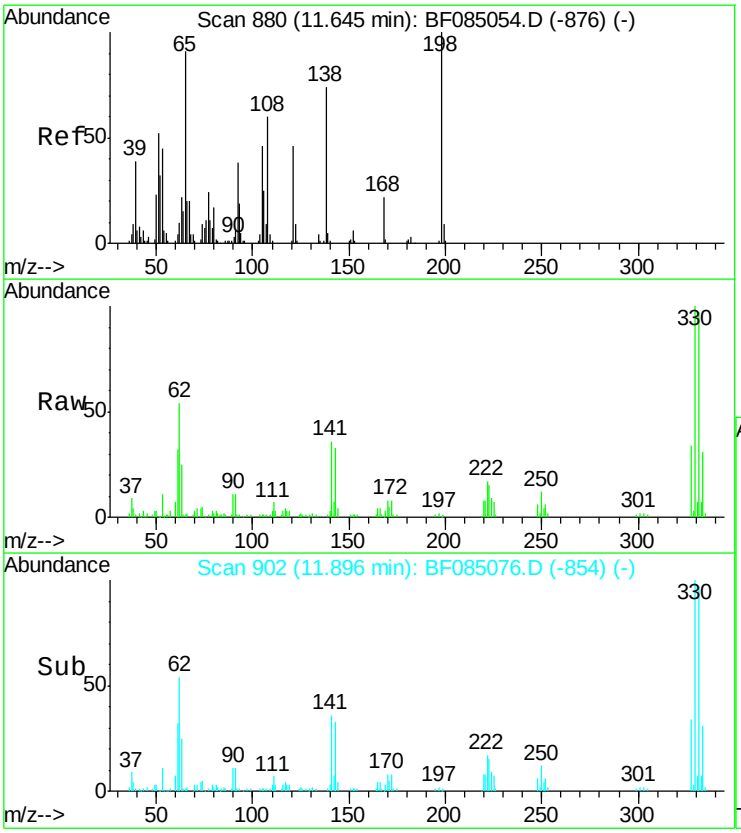

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.01 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:188 Resp: 502916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 6.2 | 9.2 |
| 80 | 9.1 | 6.6 | 9.8 |

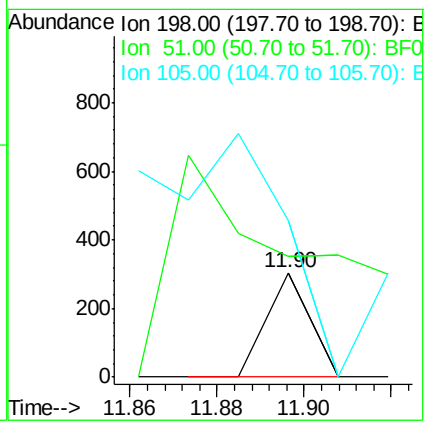


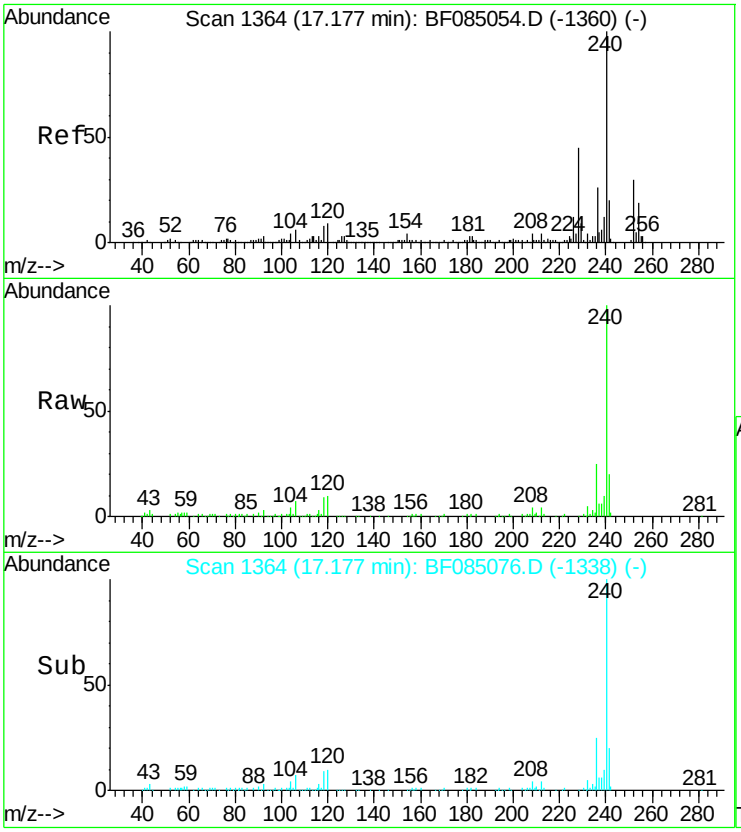




#64
4,6-Dinitro-2-methylphenol
Concen: 5.09 ng
RT: 11.90 min Scan# 902
Delta R.T. 0.25 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion:198 Resp: 209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 115.4 | 34.5 | 74.5# |
| 105 | 150.2 | 26.2 | 66.2# |



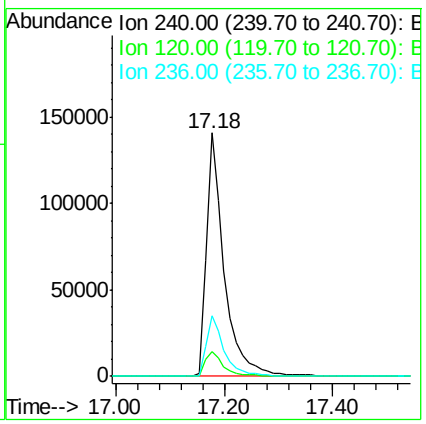


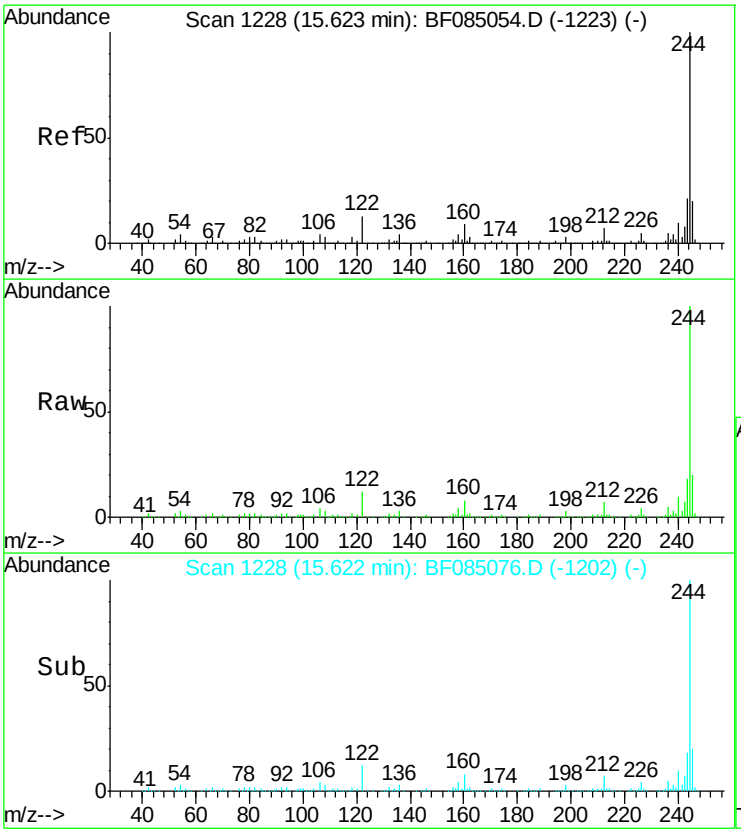

#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.18 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:240 Resp: 320598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 7.0 | 10.6 |
| 236 | 24.7 | 20.5 | 30.7 |

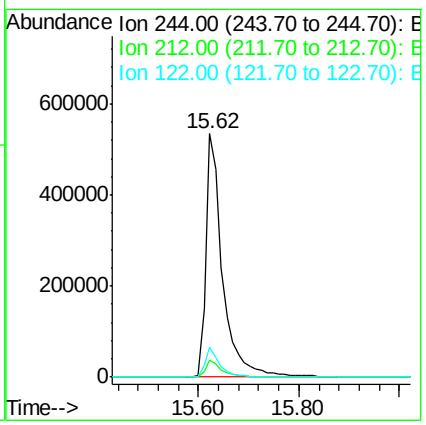


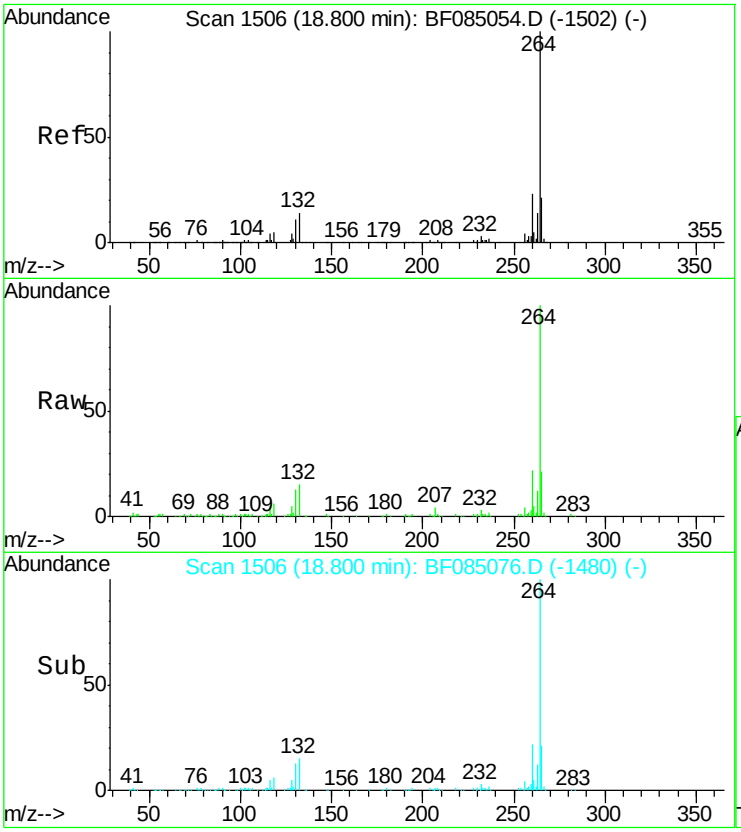




#78
Terphenyl-d14
Concen: 78.46 ng
RT: 15.62 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion:244 Resp: 1222234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.0 | 9.0 |
| 122 | 12.1 | 10.1 | 15.1 |



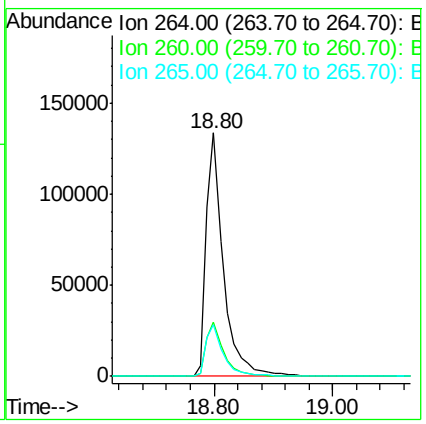


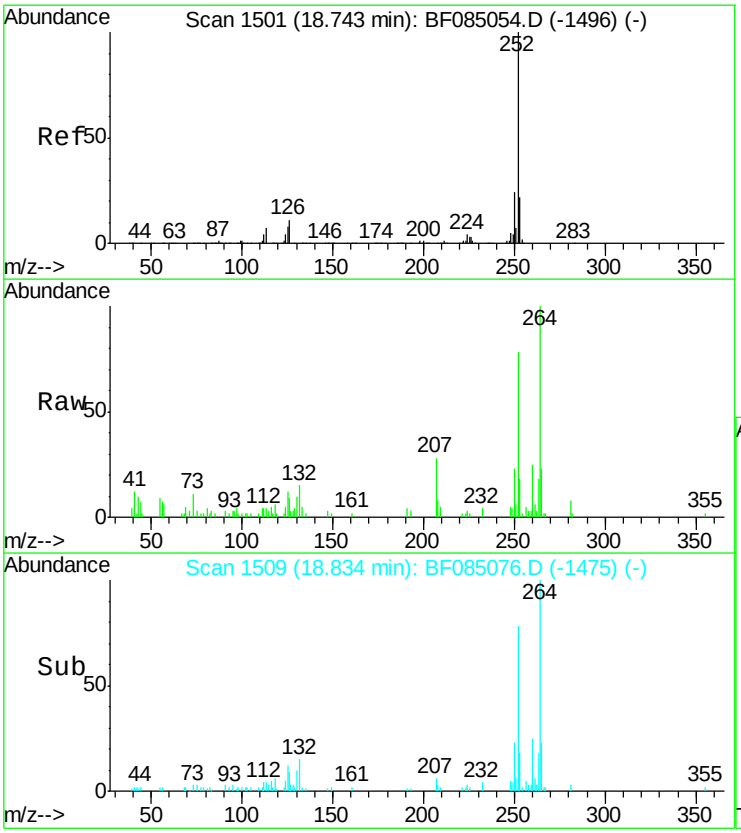

#86
Perylene-d12
Concen: 20.00 ng
RT: 18.80 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

**Instrument :**
BNA_F
**ClientSampleId :**
SUP-B039(9-11)

Tgt Ion:264 Resp: 268964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.1 | 18.5 | 27.7 |
| 265 | 21.1 | 16.7 | 25.1 |




#89
Benzo(a)pyrene
Concen: 2.43 ng
RT: 18.83 min Scan# 1509
Delta R.T. 0.09 min
Lab File: BF085076.D
Acq: 13 Feb 2016 10:16

Tgt Ion:252 Resp: 36162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.7 | 26.5 |
| 125 | 15.3 | 6.1 | 9.1# |