Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086718.D
Acq On : 5 May 2016 21:16
Operator : UM/SJ
Sample : H2829-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EUT01-TP-B8(0-4.5)-C

Quant Time: May 06 01:15:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 194432 | 40.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.01 | 136 | 746720 | 40.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 335487 | 40.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.24 | 188 | 556155 | 40.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.87 | 240 | 372301 | 40.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.27 | 264 | 364956 | 40.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 1123313 | 95.64 | ng | | 0.00 |
| 7) Phenol-d6 | 6.37 | 99 | 1320091 | 83.44 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1033063 | 71.09 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.56 | 330 | 330526 | 100.71 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 1394124 | 68.12 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.83 | 244 | 1028223 | 55.82 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 143800 | 13.30 | ng | # | 79 |
| 25) Isophorone | 7.30 | 82 | 976786 | 36.10 | ng | # | 68 |
| 32) Benzoic acid | 7.80 | 122 | 2695 | 8.90 | ng | # | 34 |
| 49) Dimethylphthalate | 9.48 | 163 | 124210 | 4.97 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.77 | 165 | 42844 | 6.44 | ng | # | 16 |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 733 | 5.51 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.56 | 248 | 19022 | 3.44 | ng | # | 1 |
| 74) Fluoranthene | 12.45 | 202 | 106009 | 3.54 | ng | | 92 |
| 77) Pyrene | 12.67 | 202 | 101899 | 3.43 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 57046 | 2.71 | ng | | 92 |
| 82) Chrysene | 13.86 | 228 | 57046 | 2.54 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 14.88 | 252 | 105783 | 4.82 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.88 | 252 | 105783 | 5.12 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.21 | 252 | 49404 | 2.45 | ng | # | 92 |

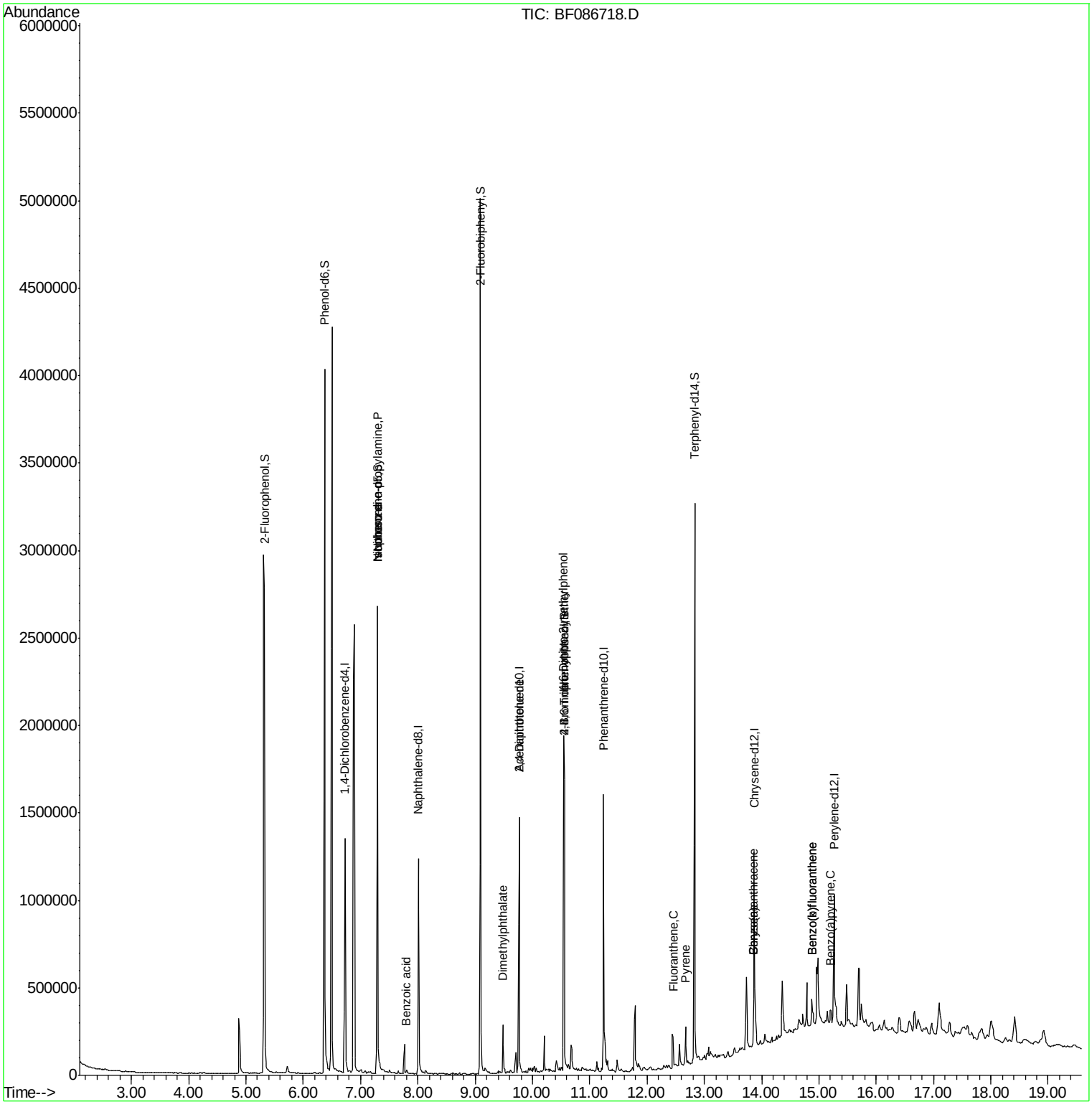
(#) = qualifier out of range (m) = manual integration (+) = signals summed

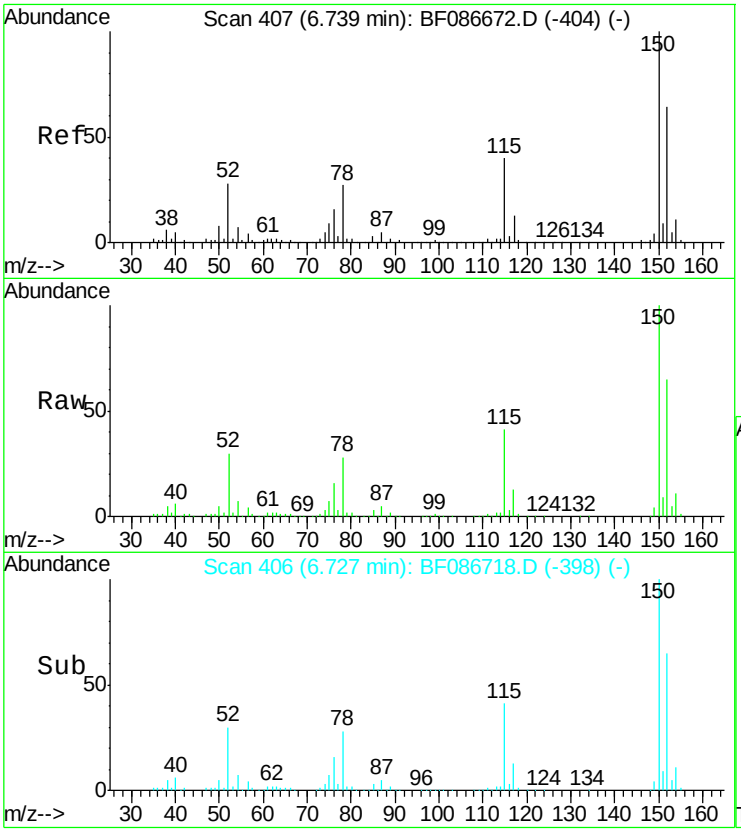
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086718.D
Acq On : 5 May 2016 21:16
Operator : UM/SJ
Sample : H2829-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Quant Time: May 06 01:15:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration



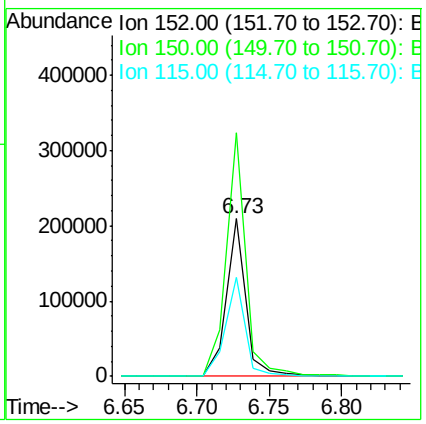


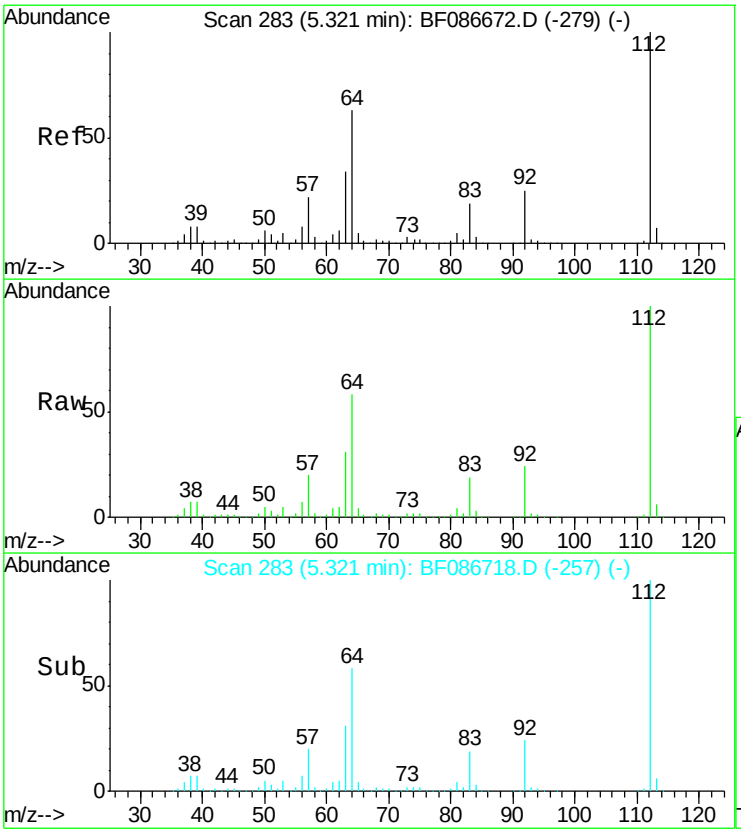

#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:152 Resp: 194432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.6 | 125.8 | 188.6 |
| 115 | 63.0 | 51.5 | 77.3 |

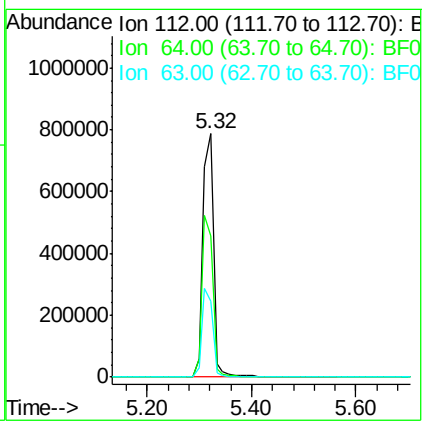


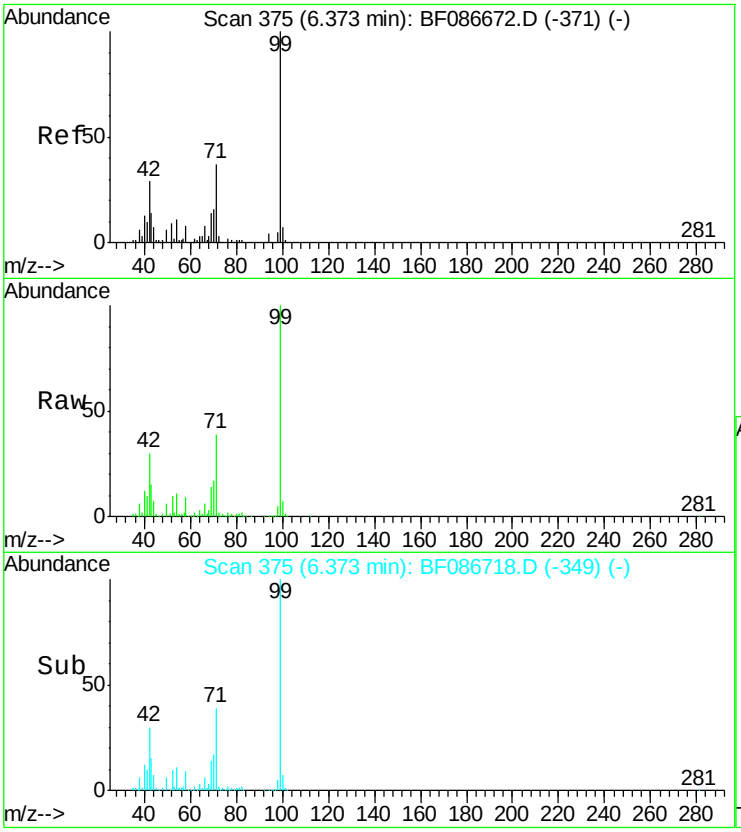




#5
2-Fluorophenol
Concen: 95.64 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:112 Resp: 1123313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.9 | 52.1 | 78.1 |
| 63 | 31.2 | 25.7 | 38.5 |



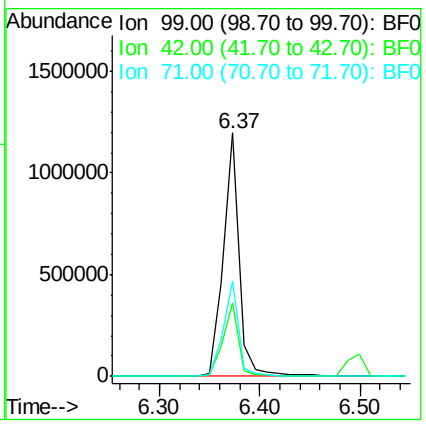


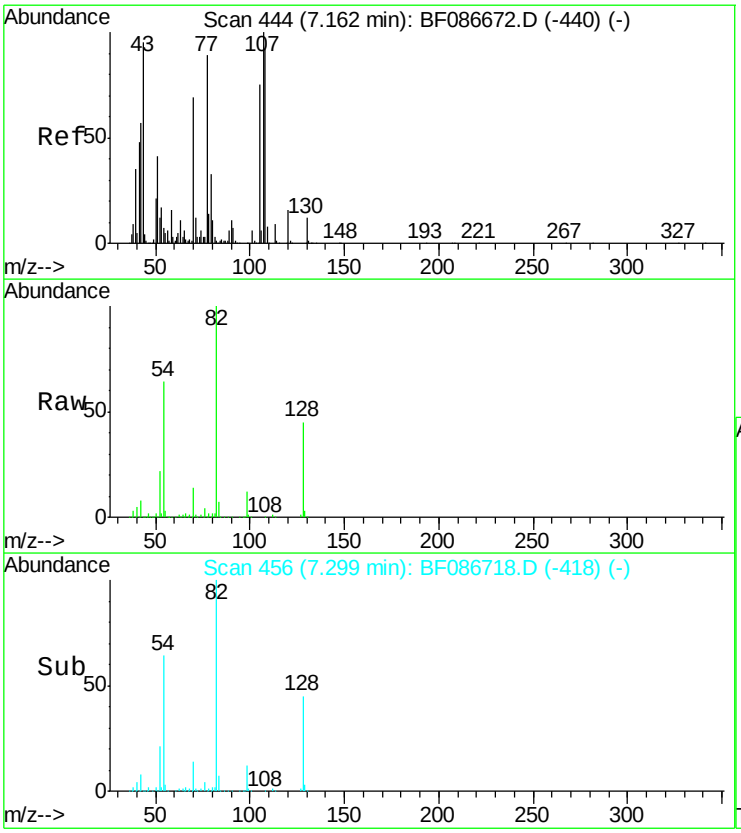

#7
Phenol-d6
Concen: 83.44 ng
RT: 6.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion: 99 Resp: 1320091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 30.3 | 13.6 | 20.4# |
| 71 | 39.3 | 24.6 | 36.8# |

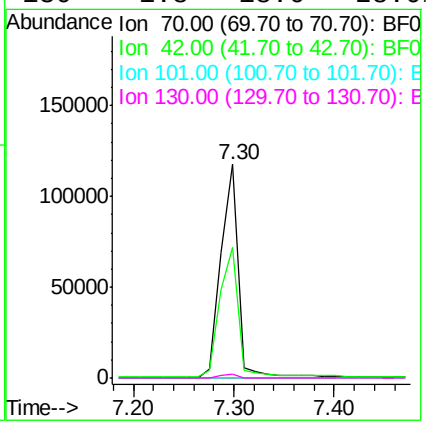


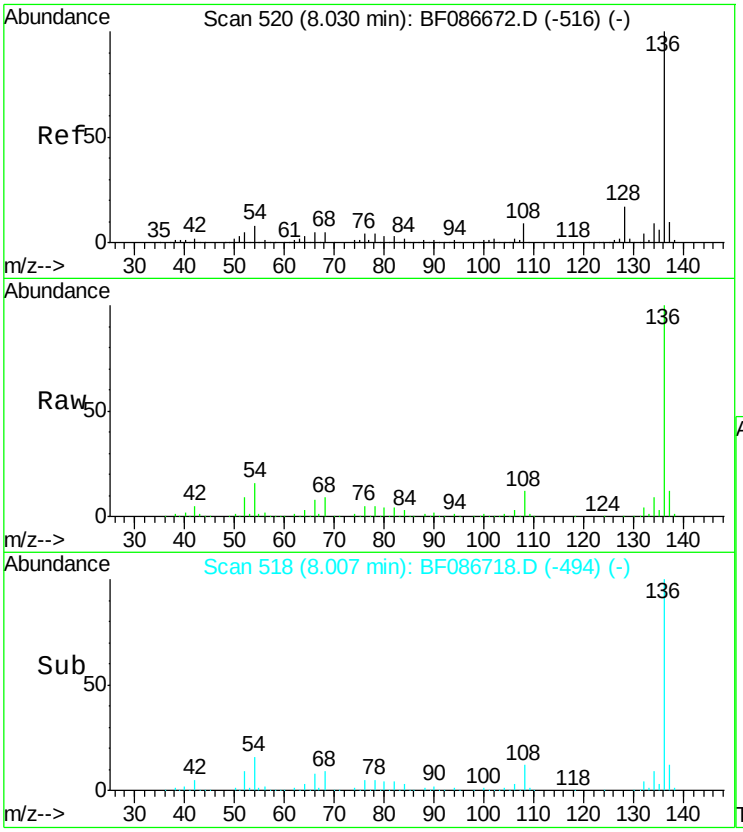




#19
n-Nitroso-di-n-propylamine
Concen: 13.30 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.14 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion: 70 Resp: 143800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.8 | 43.1 | 64.7 |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 1.8 | 18.6 | 28.0# |



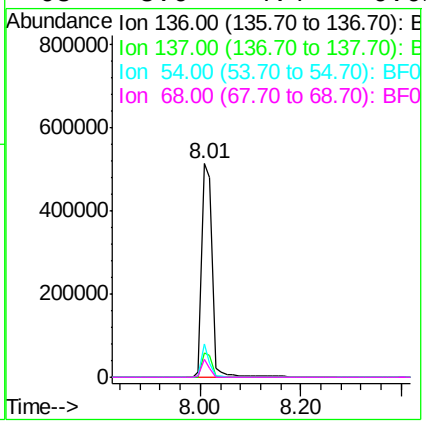


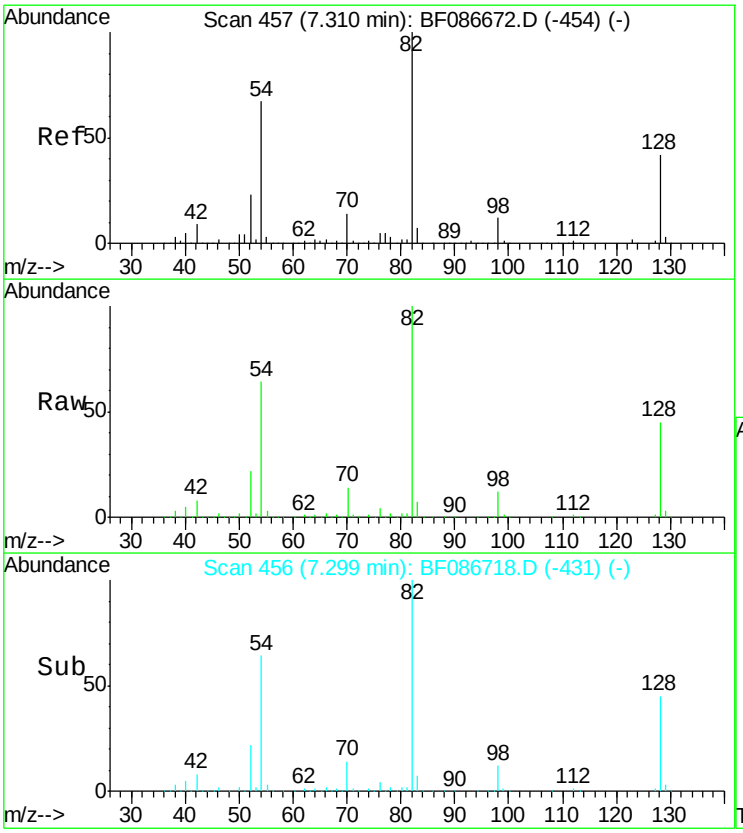

#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:136 Resp: 746720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.8 | 13.2 |
| 54 | 15.7 | 5.0 | 7.4# |
| 68 | 8.6 | 4.4 | 6.6# |

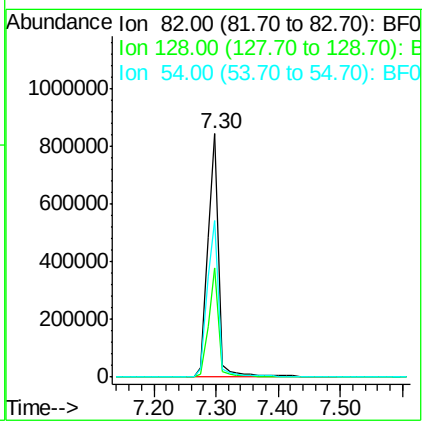


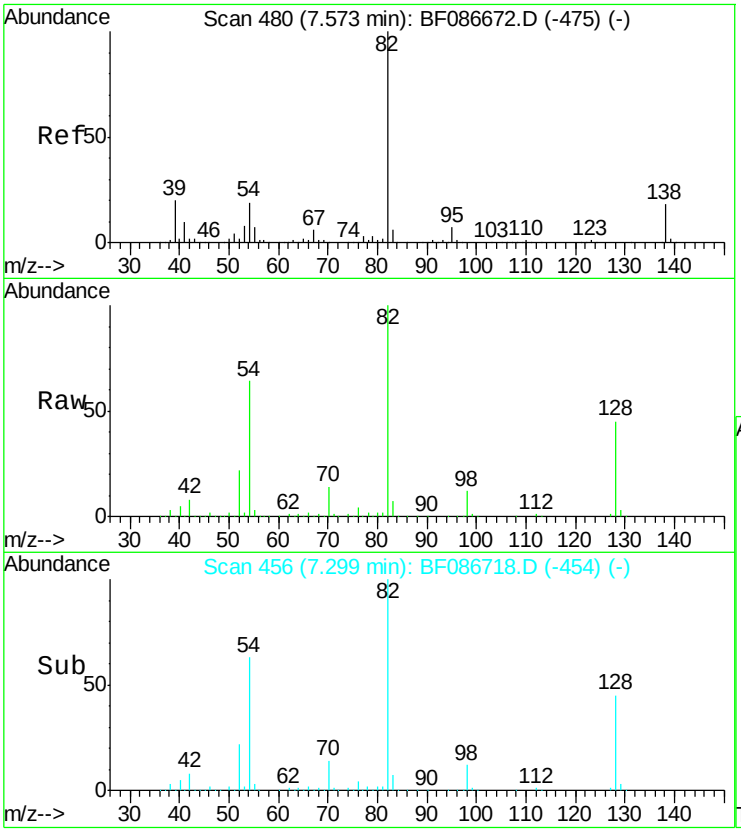




#23
Nitrobenzene-d5
Concen: 71.09 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion: 82 Resp: 1033063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 40.6 | 61.0 |
| 54 | 64.2 | 38.1 | 57.1# |



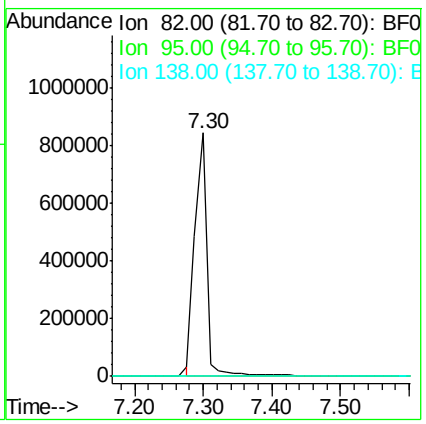


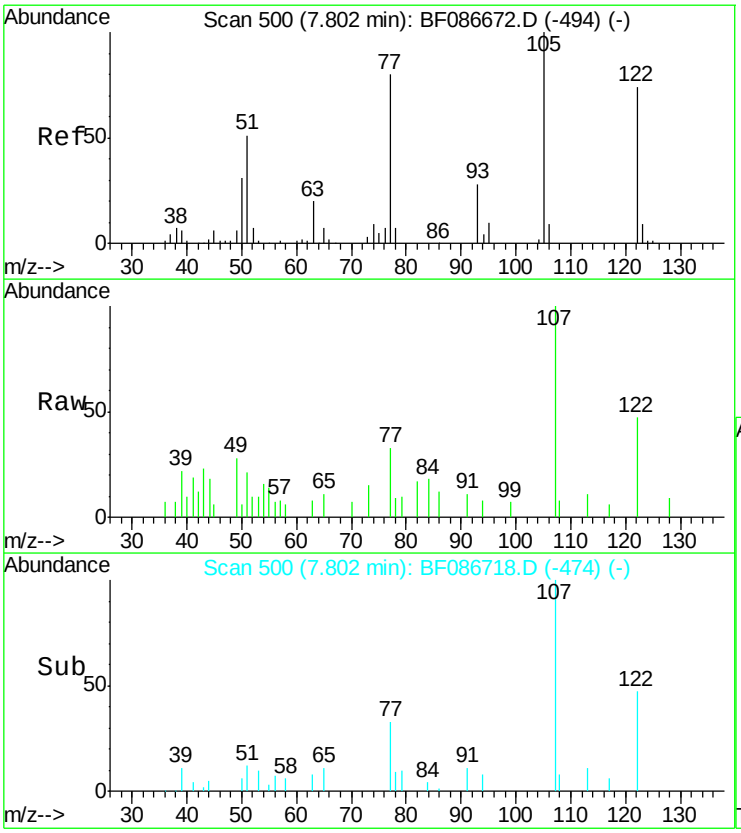

#25
Isophorone
Concen: 36.10 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.27 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion: 82 Resp: 976786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.1 | 7.7# |
| 138 | 0.0 | 12.4 | 18.6# |

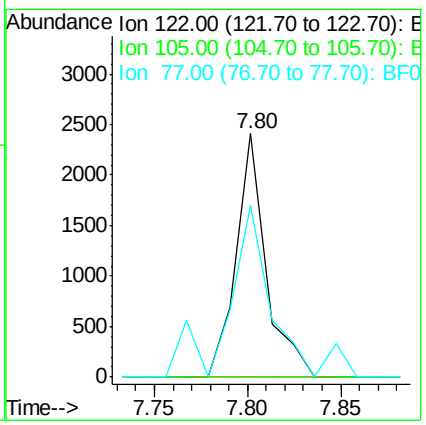


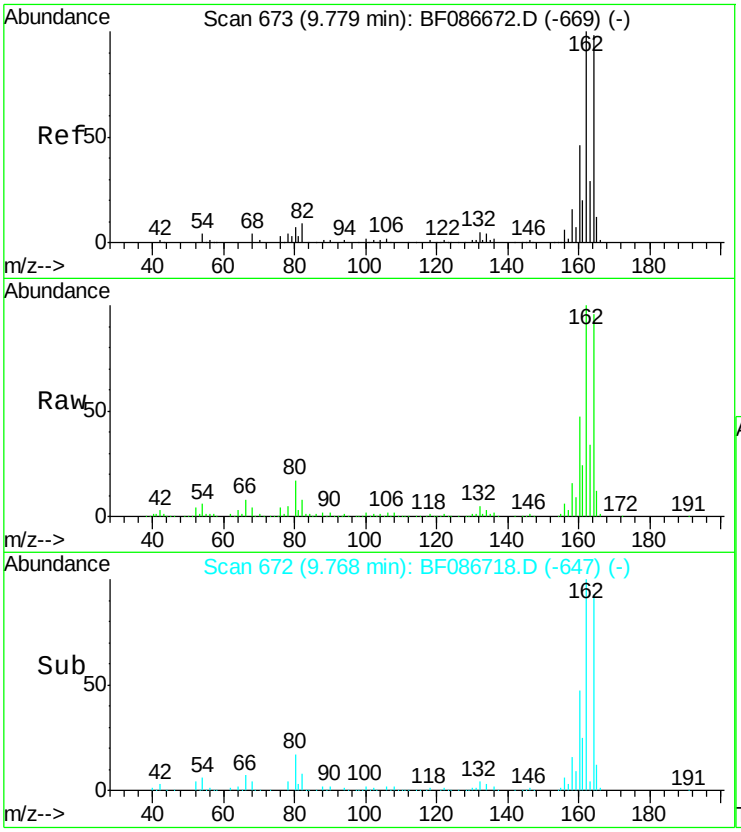




#32
Benzoic acid
Concen: 8.90 ng
RT: 7.80 min Scan# 500
Delta R.T. 0.00 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:122 Resp: 2695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 92.6 | 132.6# |
| 77 | 70.5 | 60.0 | 100.0 |



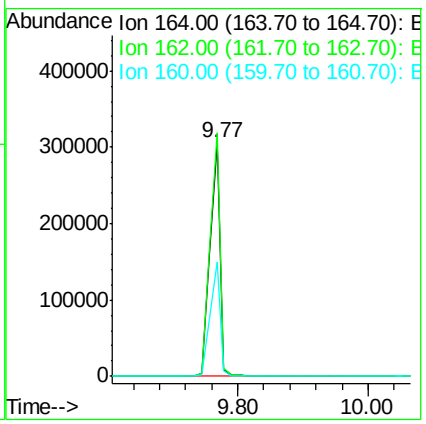


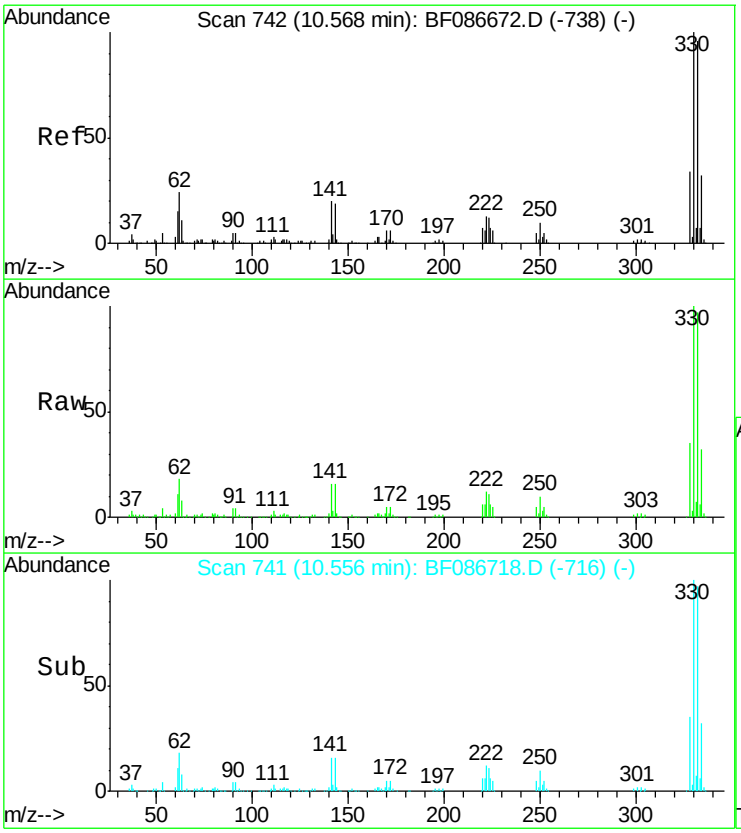

#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:164 Resp: 335487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 82.8 | 124.2 |
| 160 | 48.8 | 36.9 | 55.3 |

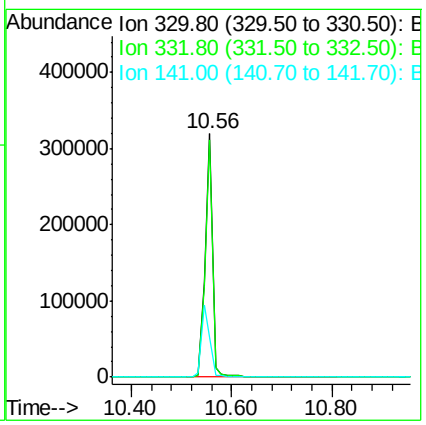


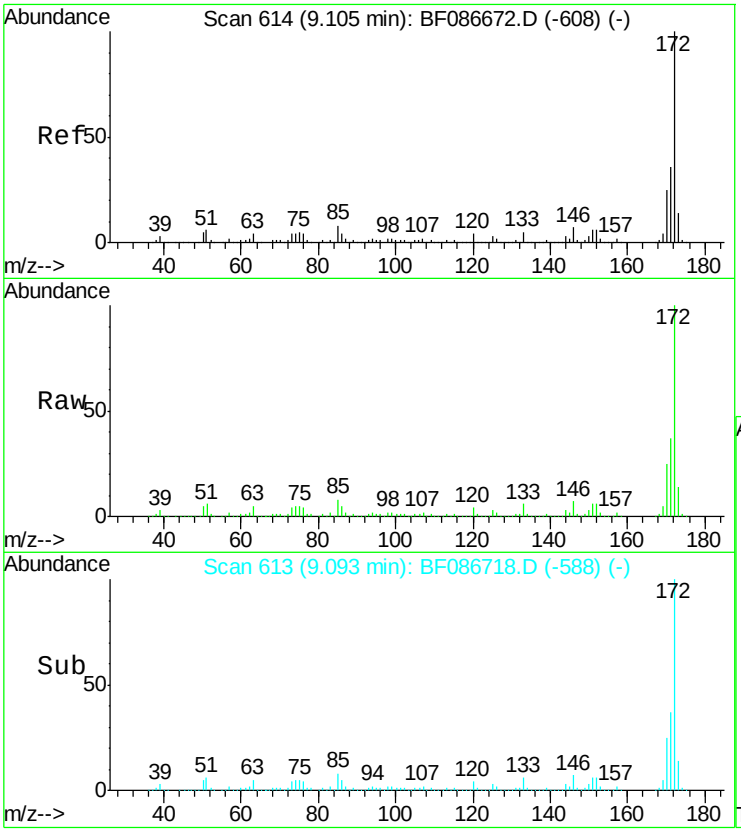




#41
2,4,6-Tribromophenol
Concen: 100.71 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:330 Resp: 330526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 79.0 | 118.4 |
| 141 | 33.6 | 31.2 | 46.8 |



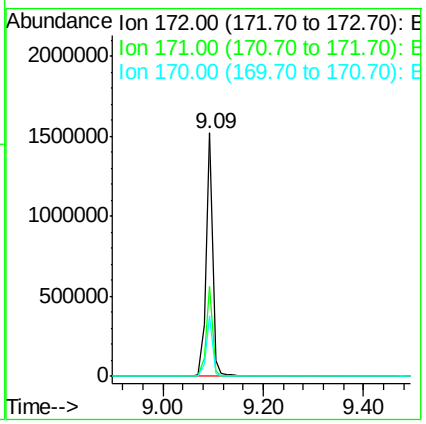


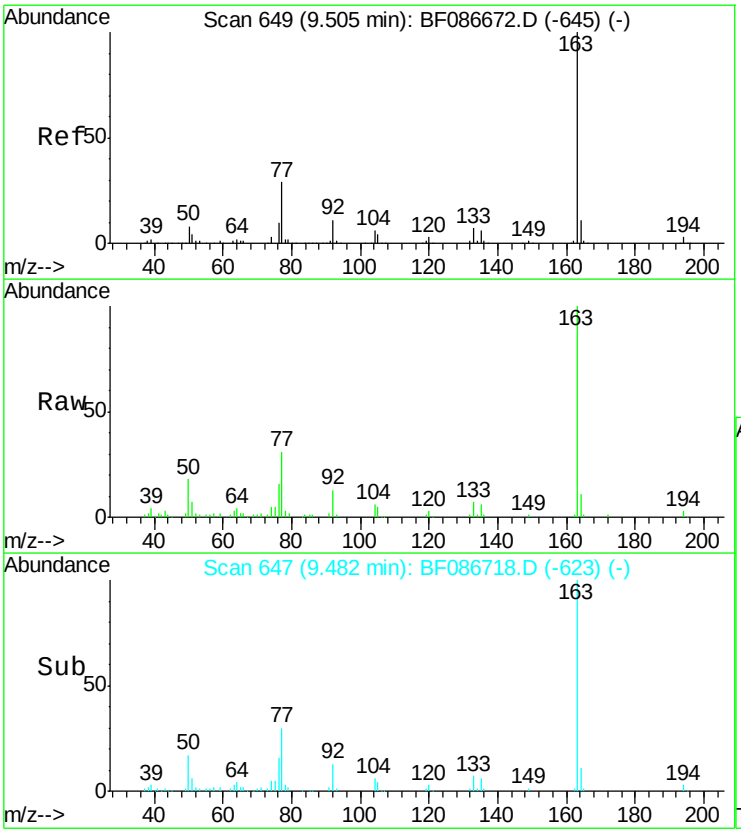

#44
2-Fluorobiphenyl
Concen: 68.12 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:172 Resp: 1394124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 29.0 | 43.6 |
| 170 | 25.0 | 19.8 | 29.8 |

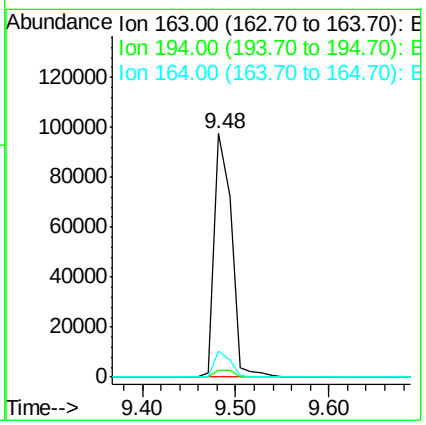


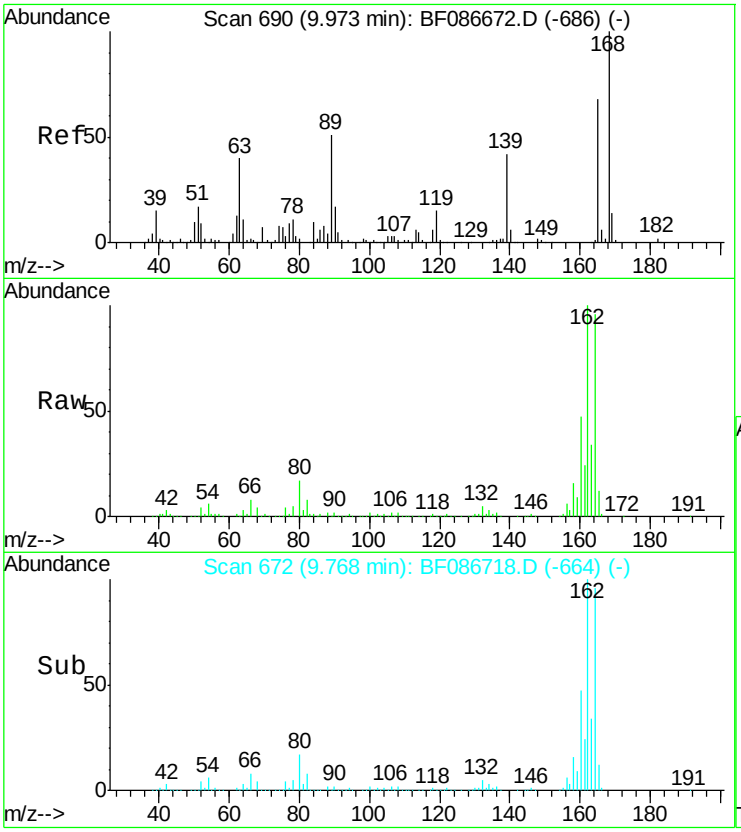




#49
Dimethylphthalate
Concen: 4.97 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:163 Resp: 124210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.0 | 2.6 | 4.0 |
| 164 | 10.7 | 8.2 | 12.4 |



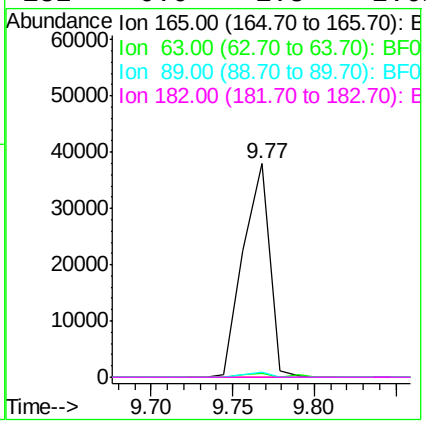


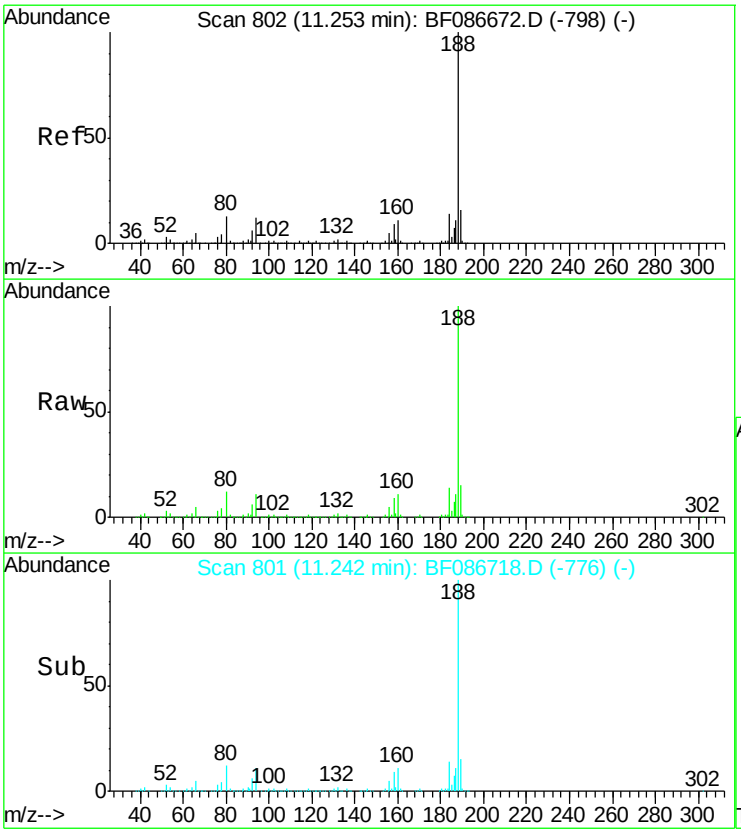

#56
2,4-Dinitrotoluene
Concen: 6.44 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:165 Resp: 42844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 44.3 | 66.5# |
| 89 | 2.2 | 70.0 | 105.0# |
| 182 | 0.0 | 1.8 | 2.6# |

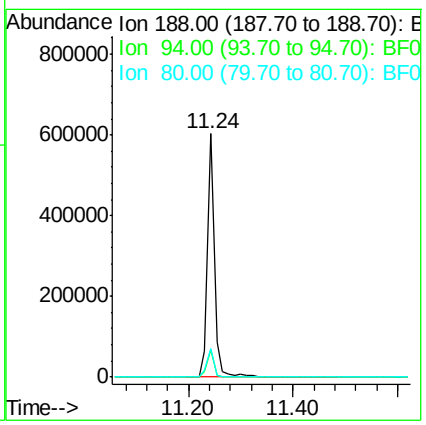


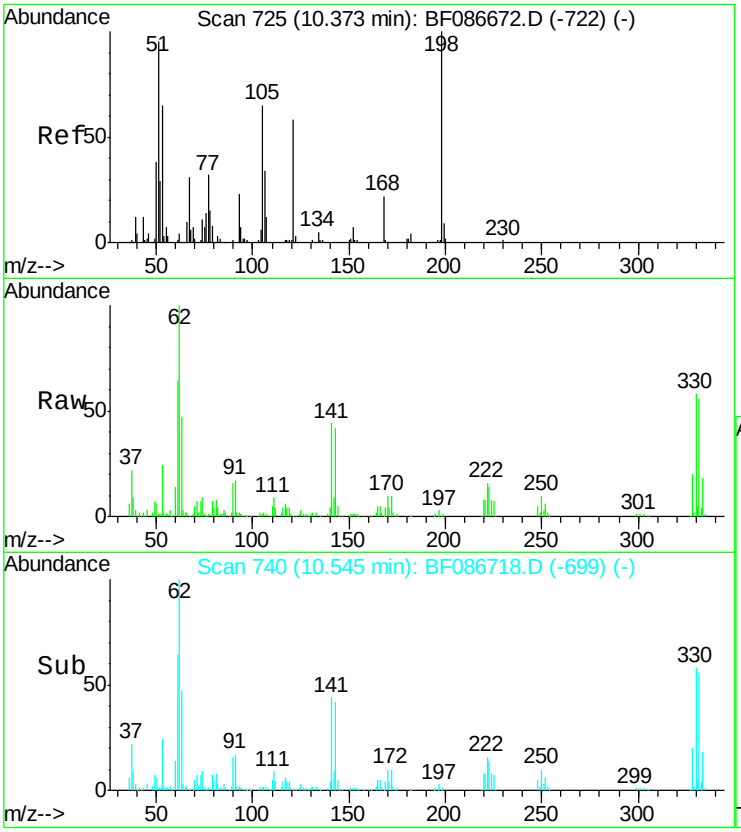




#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:188 Resp: 556155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 6.8 | 10.2# |
| 80 | 11.7 | 7.1 | 10.7# |



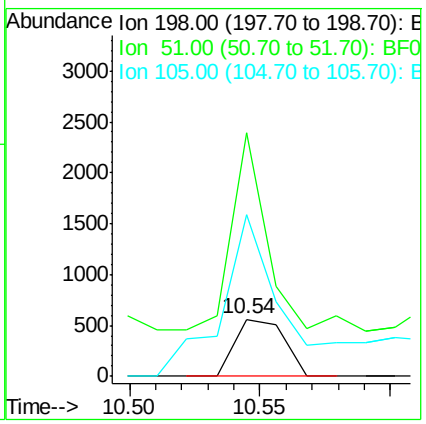


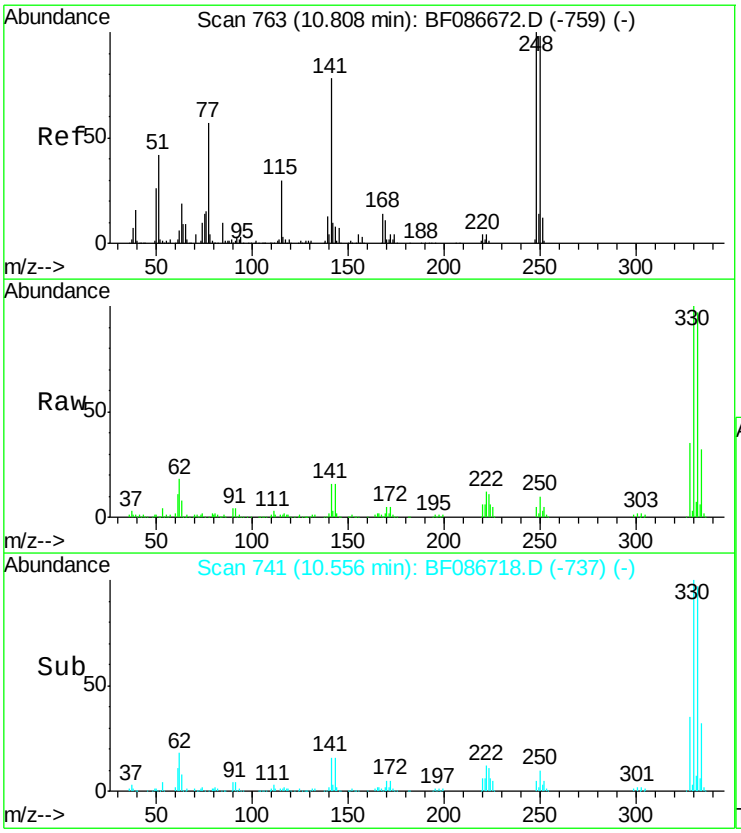

#64
4,6-Dinitro-2-methylphenol
Concen: 5.51 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.17 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:198 Resp: 733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 428.7 | 20.5 | 60.5# |
| 105 | 284.6 | 24.5 | 64.5# |

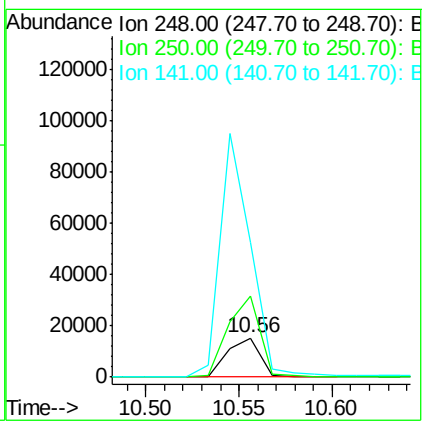


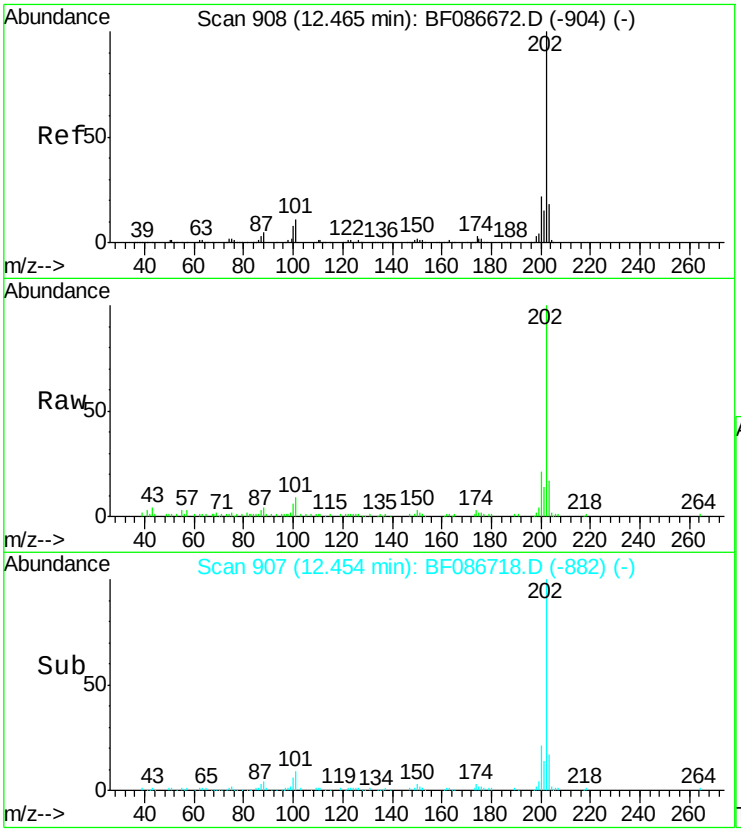




#66
4-Bromophenyl-phenylether
Concen: 3.44 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:248 Resp: 19022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 207.2 | 78.6 | 117.8# |
| 141 | 345.2 | 76.0 | 114.0# |



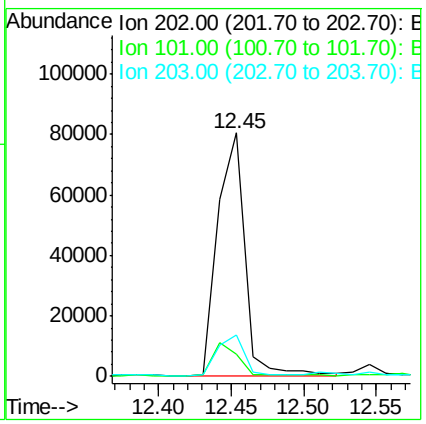


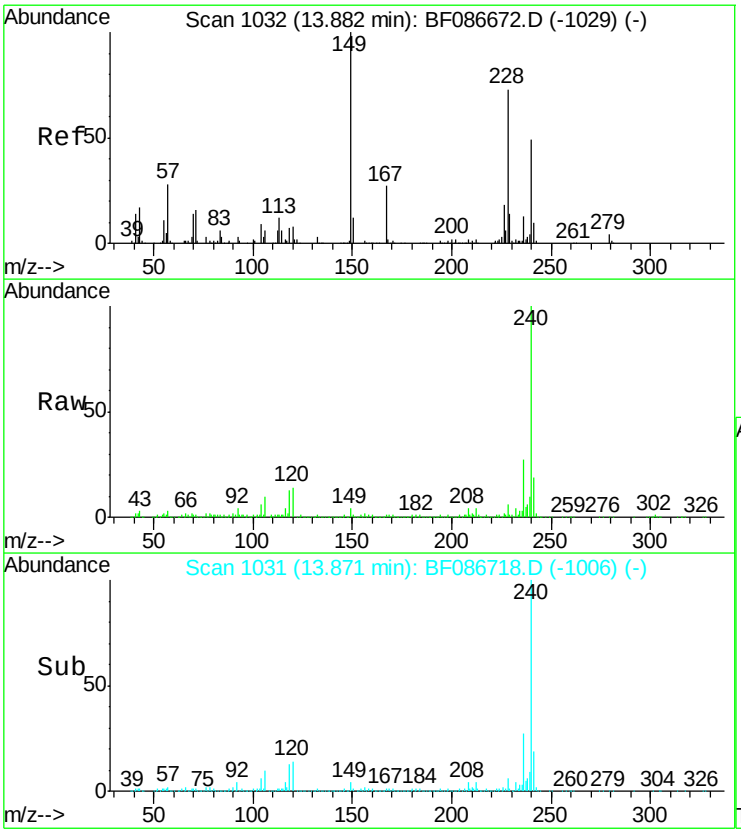

#74
Fluoranthene
Concen: 3.54 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:202 Resp: 106009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 0.0 | 35.4 |
| 203 | 16.9 | 0.0 | 38.1 |

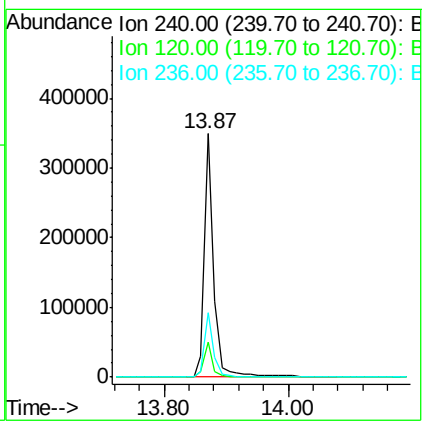


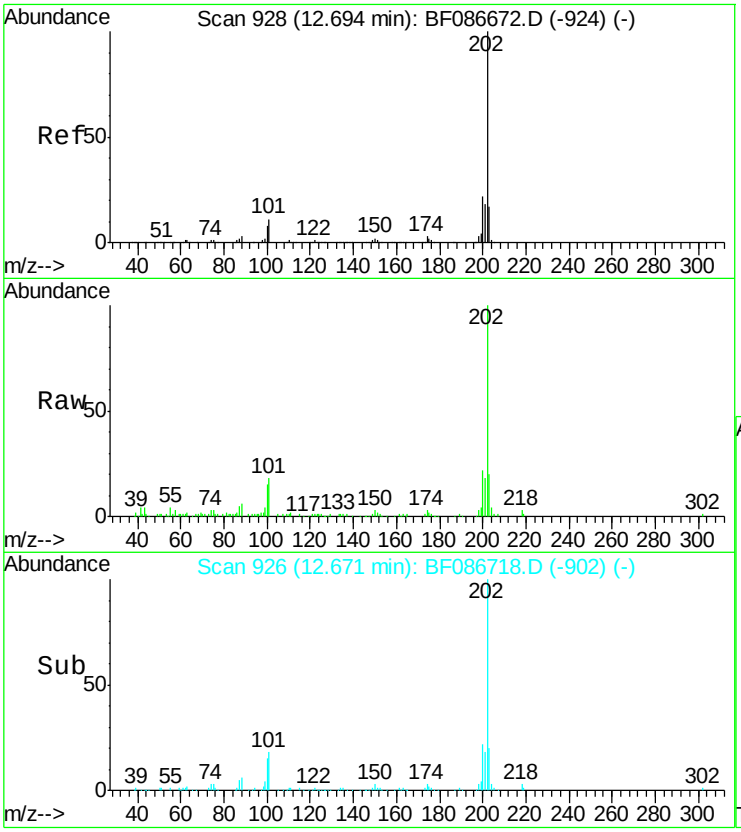




#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:240 Resp: 372301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.1 | 11.2 | 16.8 |
| 236 | 26.6 | 21.2 | 31.8 |



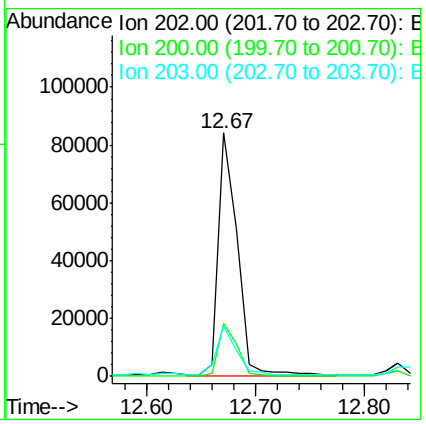


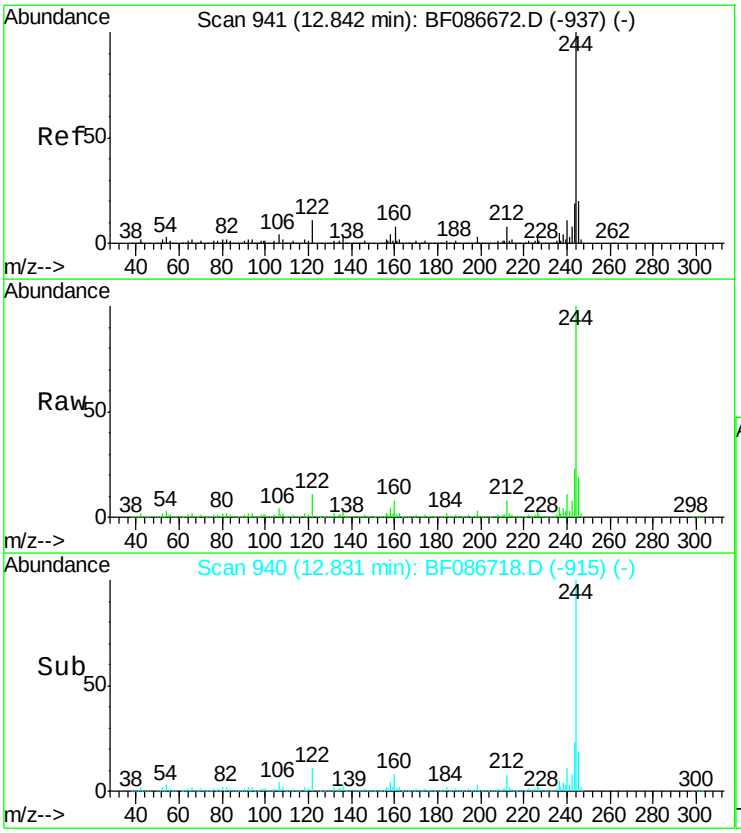

#77
Pyrene
Concen: 3.43 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:202 Resp: 101899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.7 | 26.5 |
| 203 | 20.4 | 14.2 | 21.4 |

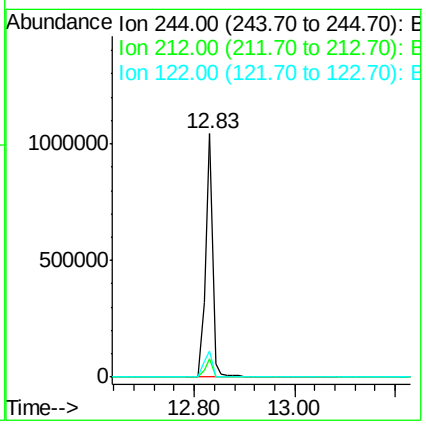


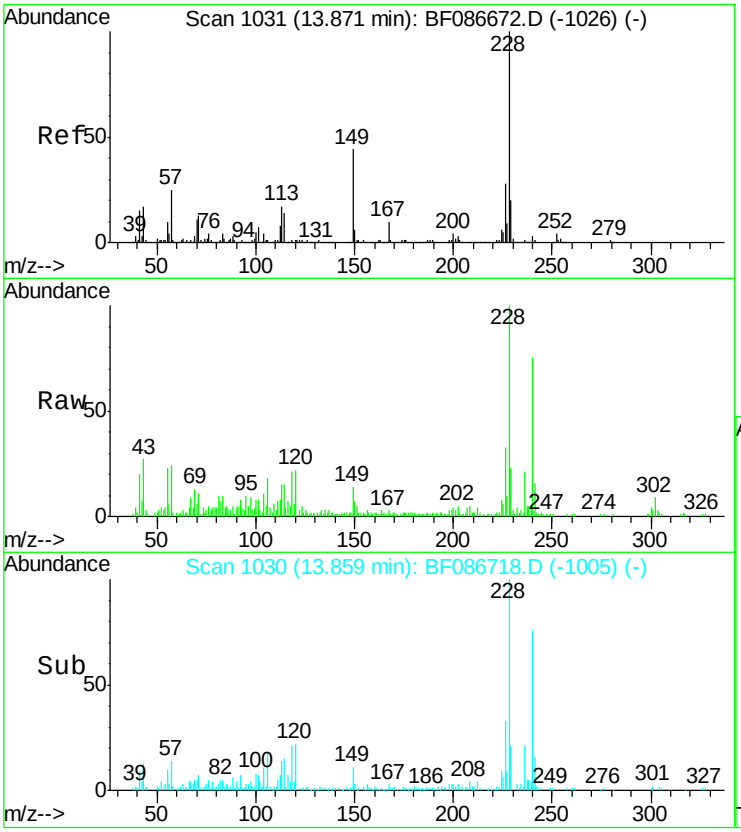




#78
Terphenyl-d14
Concen: 55.82 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:244 Resp: 1028223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.2 | 9.2 |
| 122 | 10.9 | 12.0 | 18.0# |



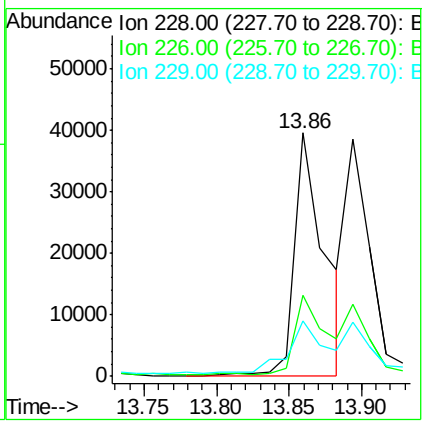


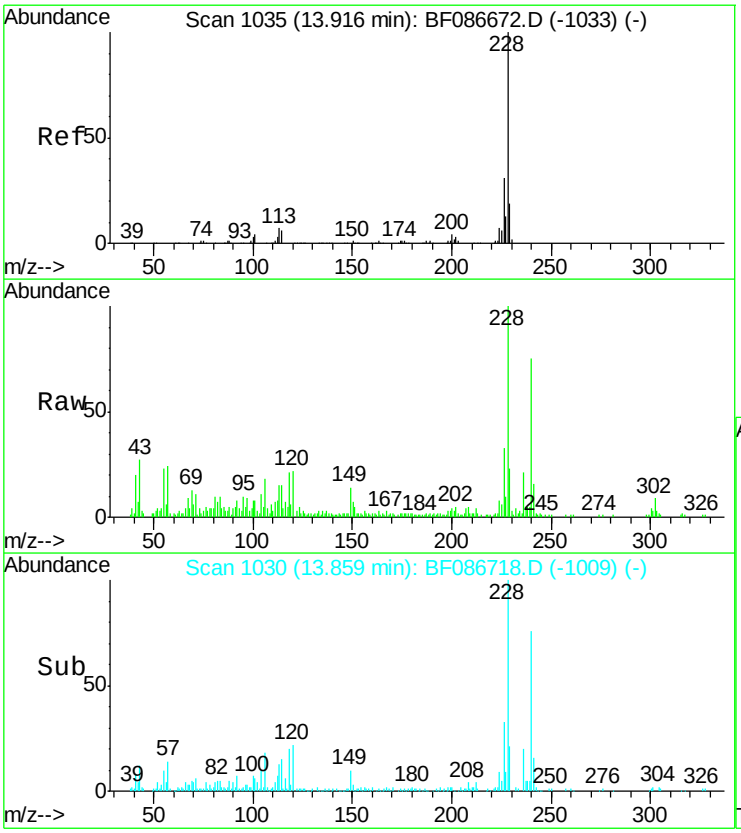

#80
Benzo(a)anthracene
Concen: 2.71 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:228 Resp: 57046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.4 | 22.5 | 33.7 |
| 229 | 23.0 | 16.6 | 25.0 |

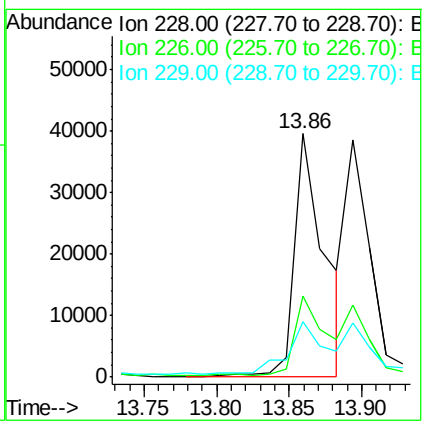


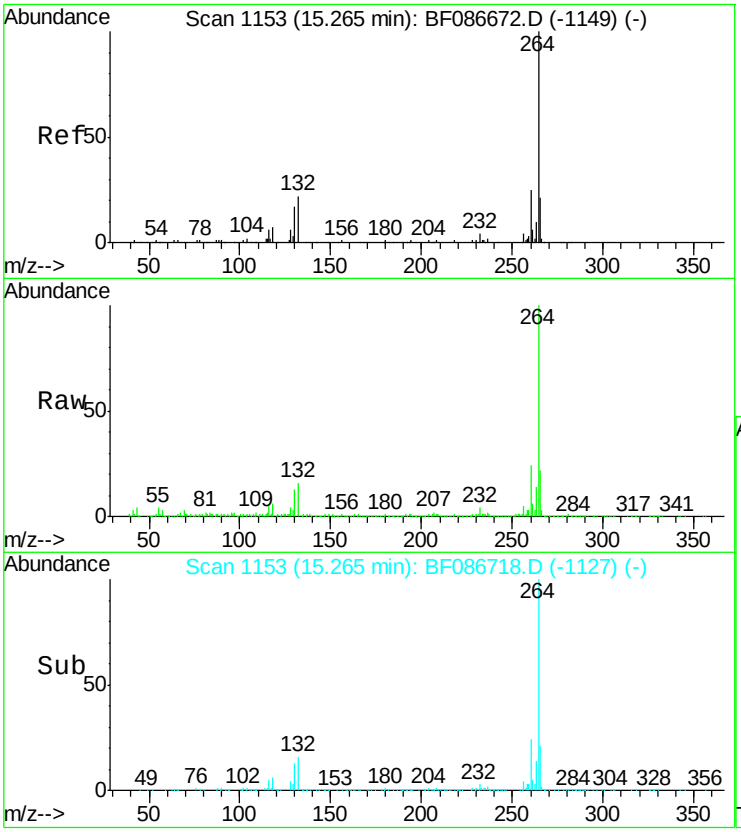




#82
Chrysene
Concen: 2.54 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:228 Resp: 57046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.4 | 24.4 | 36.6 |
| 229 | 23.0 | 15.8 | 23.8 |



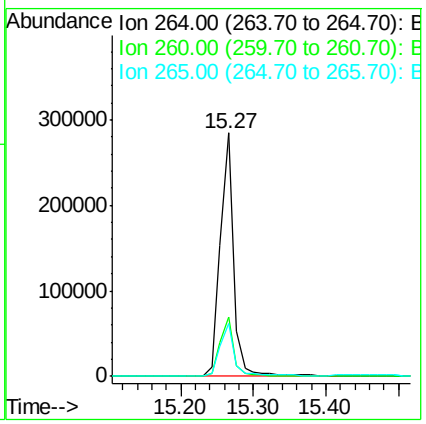


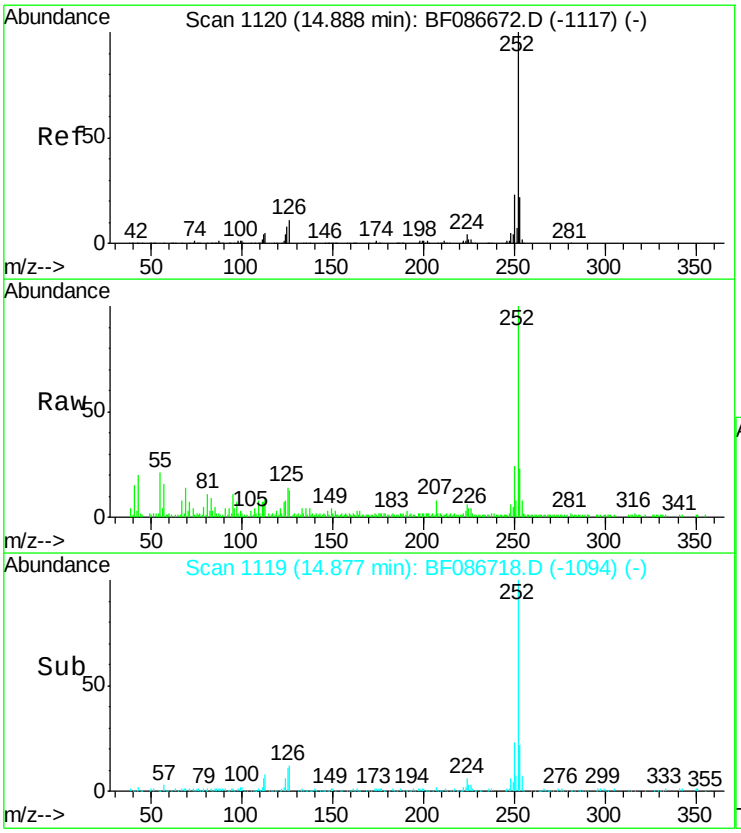

#86
Perylene-d12
Concen: 40.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:264 Resp: 364956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.5 | 29.3 |
| 265 | 21.5 | 17.3 | 25.9 |

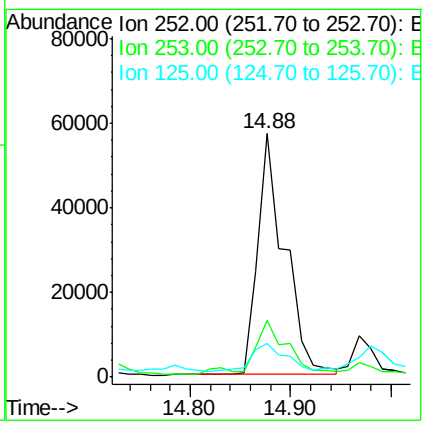


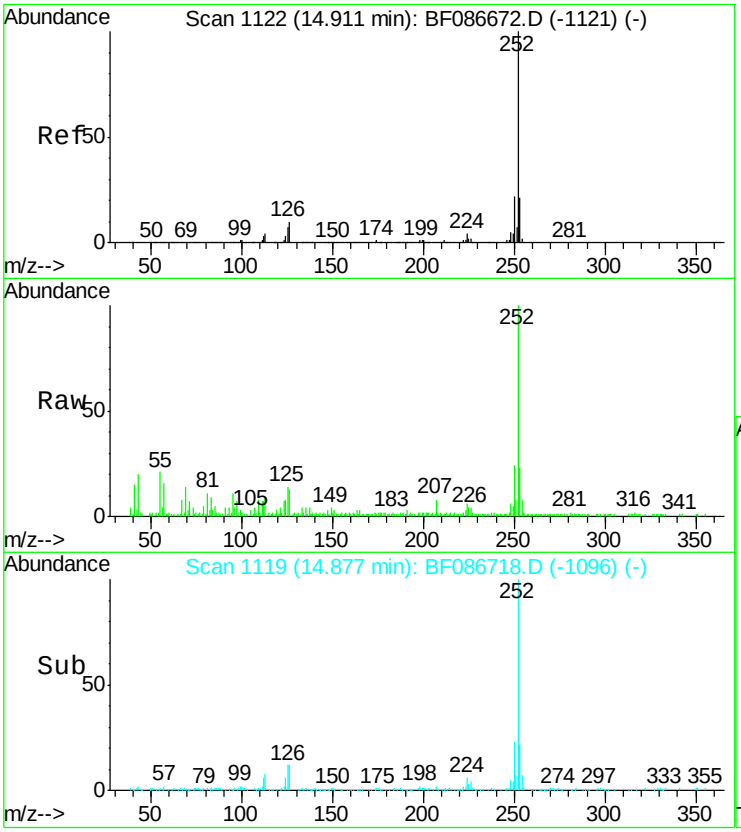




#87
Benzo(b)fluoranthene
Concen: 4.82 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:252 Resp: 105783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.8 | 26.6 |
| 125 | 14.1 | 11.4 | 17.0 |



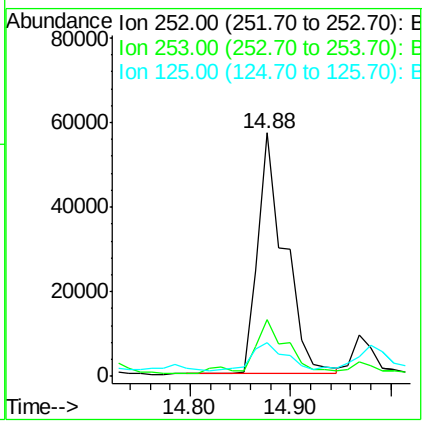


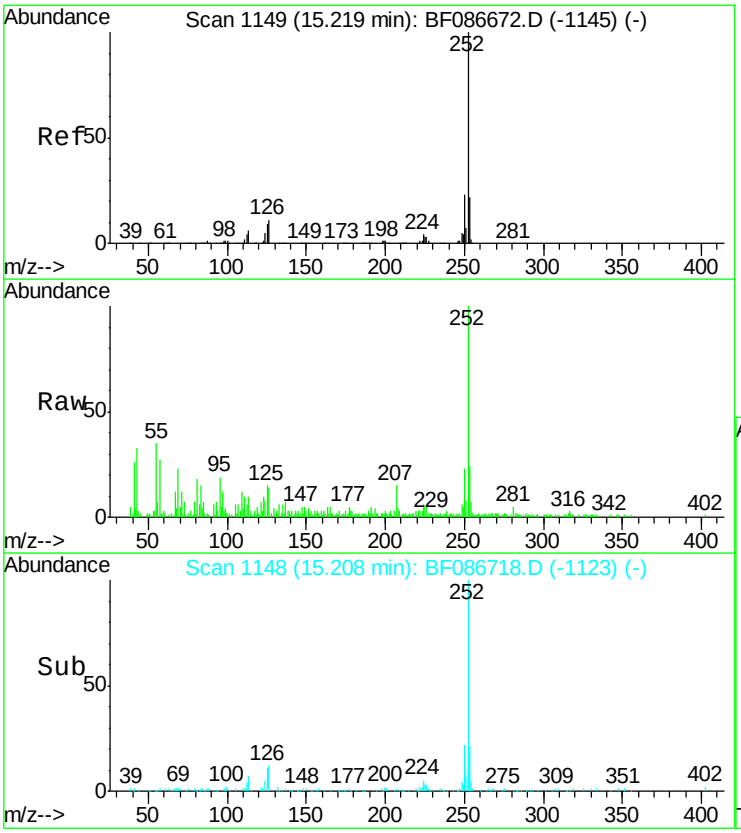

#88
Benzo(k)fluoranthene
Concen: 5.12 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.03 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

**Instrument :**
BNA_F
**ClientSampleId :**
EUT01-TP-B8(0-4.5)-C

Tgt Ion:252 Resp: 105783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.8 | 26.6 |
| 125 | 14.1 | 9.1 | 13.7# |




#89
Benzo(a)pyrene
Concen: 2.45 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:252 Resp: 49404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.2 | 25.8 |
| 125 | 15.3 | 9.0 | 13.6# |