Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
Data File : BF085926.D
Acq On : 31 Mar 2016 14:35
Operator : UM/SJ
Sample : H2075-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-10

Quant Time: Mar 31 21:44:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:31:18 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 111287 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.07 | 136 | 434975 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 194144 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 334310 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.95 | 240 | 214898 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.36 | 264 | 202187 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 772155 | 115.55 | ng | | -0.01 |
| 7) Phenol-d6 | 6.42 | 99 | 975030 | 114.76 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 641258 | 83.02 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 236868 | 128.41 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 1007982 | 86.74 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.89 | 244 | 697624 | 66.76 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 82580 | 16.23 | ng | # | 81 |
| 25) Isophorone | 7.36 | 82 | 629747 | 42.32 | ng | # | 68 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 1245 | Below Cal | | | 97 |
| 49) Dimethylphthalate | 9.54 | 163 | 175930 | 11.94 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 24940 | 6.19 | ng | # | 37 |
| 66) 4-Bromophenyl-phenylether | 10.62 | 248 | 15601 | 4.56 | ng | # | 1 |
| 70) Phenanthrene | 11.34 | 178 | 47534 | 2.77 | ng | | 98 |
| 71) Anthracene | 11.34 | 178 | 47534 | 2.64 | ng | | 98 |
| 74) Fluoranthene | 12.52 | 202 | 60218 | 3.30 | ng | | 99 |
| 77) Pyrene | 12.74 | 202 | 55895 | 3.16 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.36 | 149 | 20972 | 2.83 | ng | # | 65 |
| 80) Benzo(a)anthracene | 13.93 | 228 | 24794 | 2.02 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.73 | 276 | 19512 | 2.05 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 14.96 | 252 | 41321 | 3.24 | ng | | 95 |
| 88) Benzo(k)fluoranthene | 14.96 | 252 | 41321 | 3.60 | ng | # | 93 |
| 89) Benzo(a)pyrene | 15.31 | 252 | 22711 | 2.01 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.15 | 276 | 27477 | 2.58 | ng | | 98 |

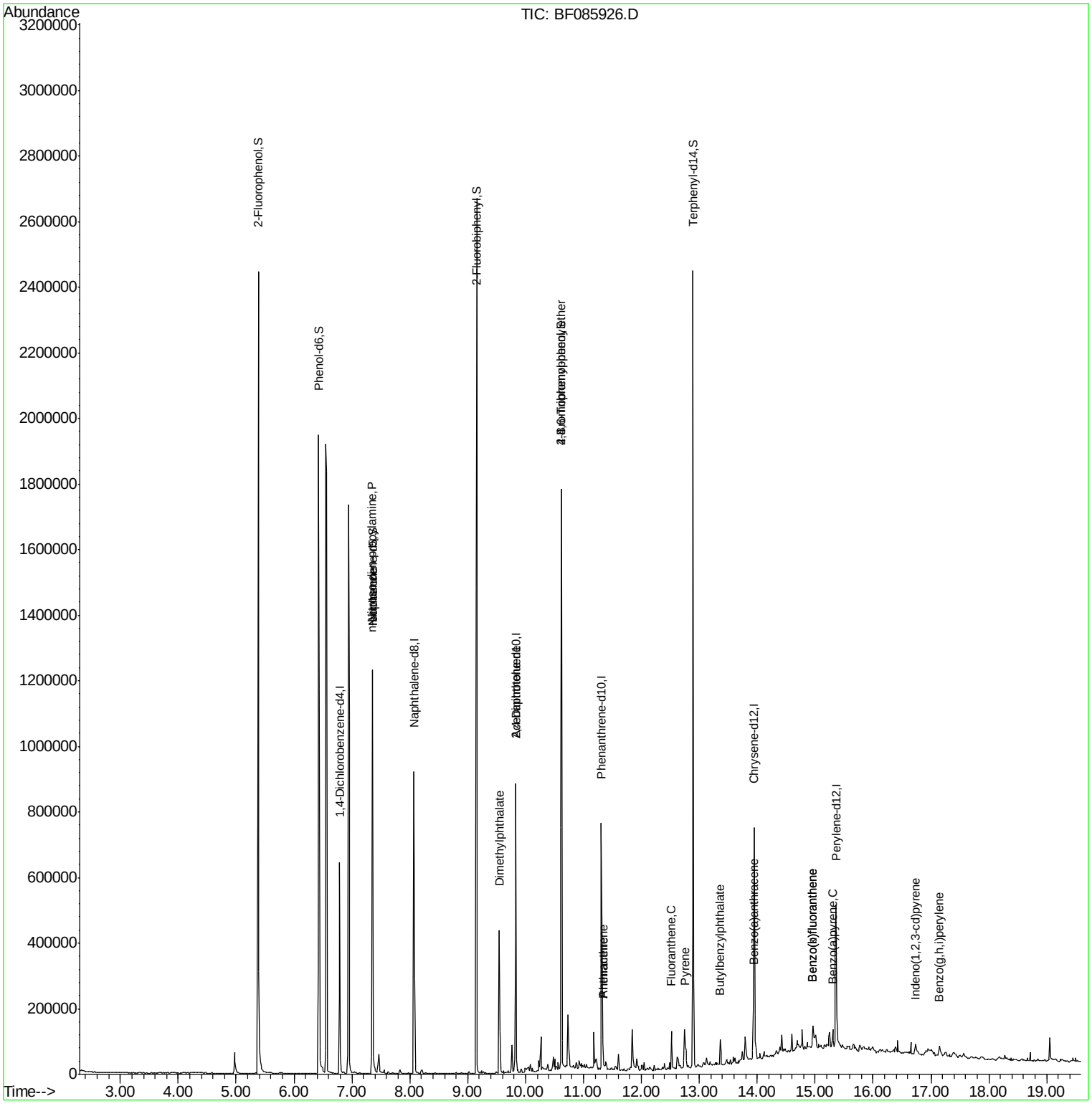
(#) = qualifier out of range (m) = manual integration (+) = signals summed

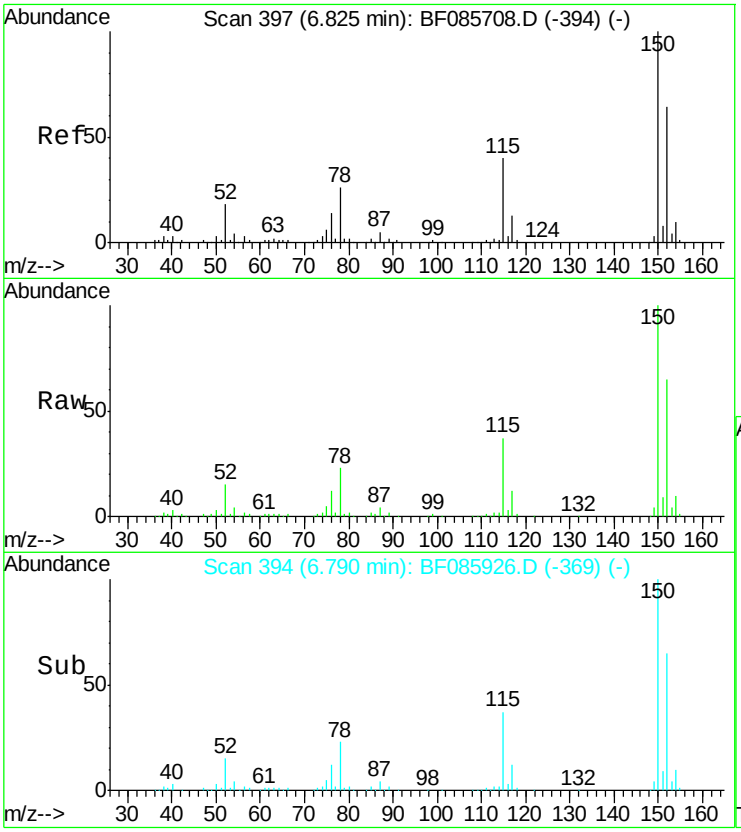
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
Data File : BF085926.D
Acq On : 31 Mar 2016 14:35
Operator : UM/SJ
Sample : H2075-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Quant Time: Mar 31 21:44:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:31:18 2016
Response via : Initial Calibration



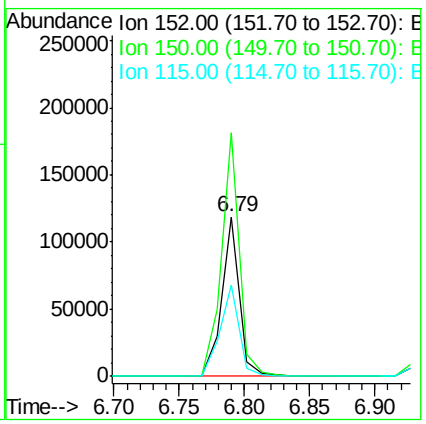


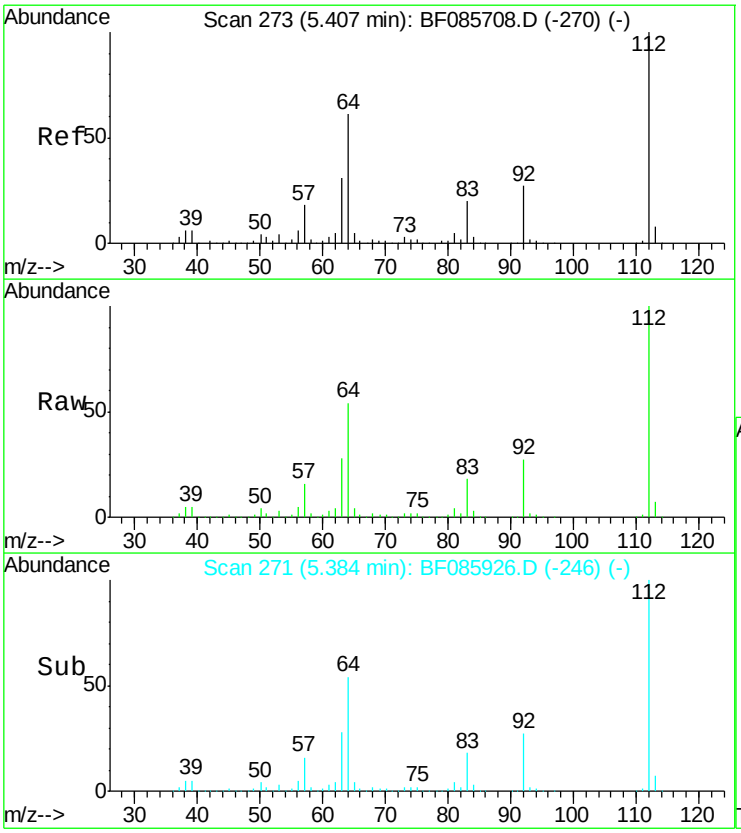

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:152 Resp: 111287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 124.2 | 186.2 |
| 115 | 57.0 | 47.0 | 70.6 |

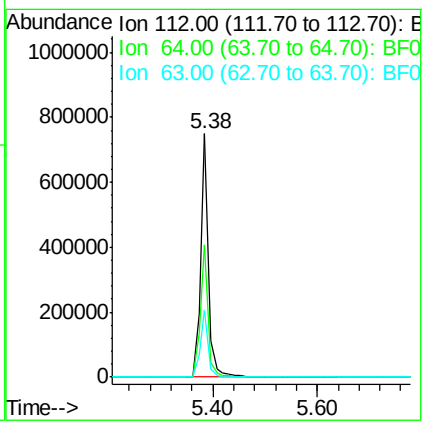


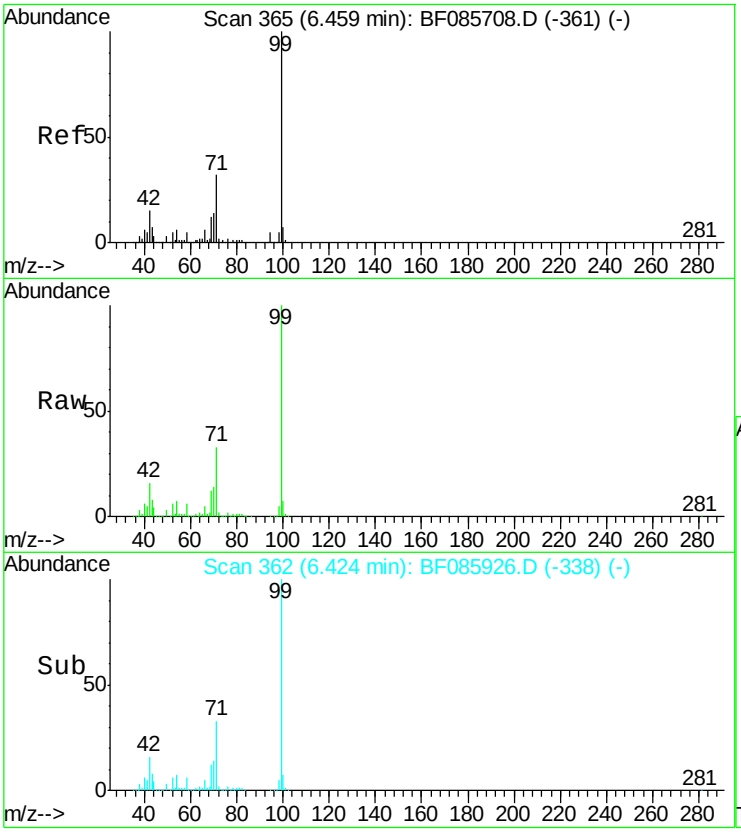




#5
2-Fluorophenol
Concen: 115.55 ng
RT: 5.38 min Scan# 271
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:112 Resp: 772155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.2 | 39.9 | 59.9 |
| 63 | 27.5 | 20.2 | 30.2 |



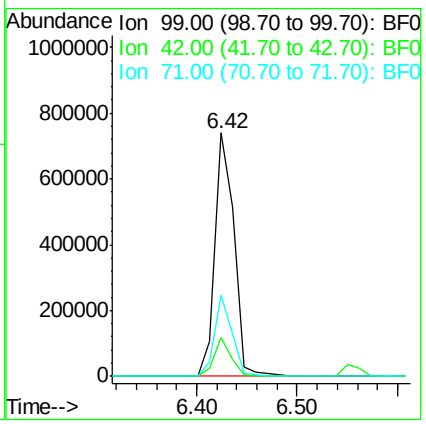


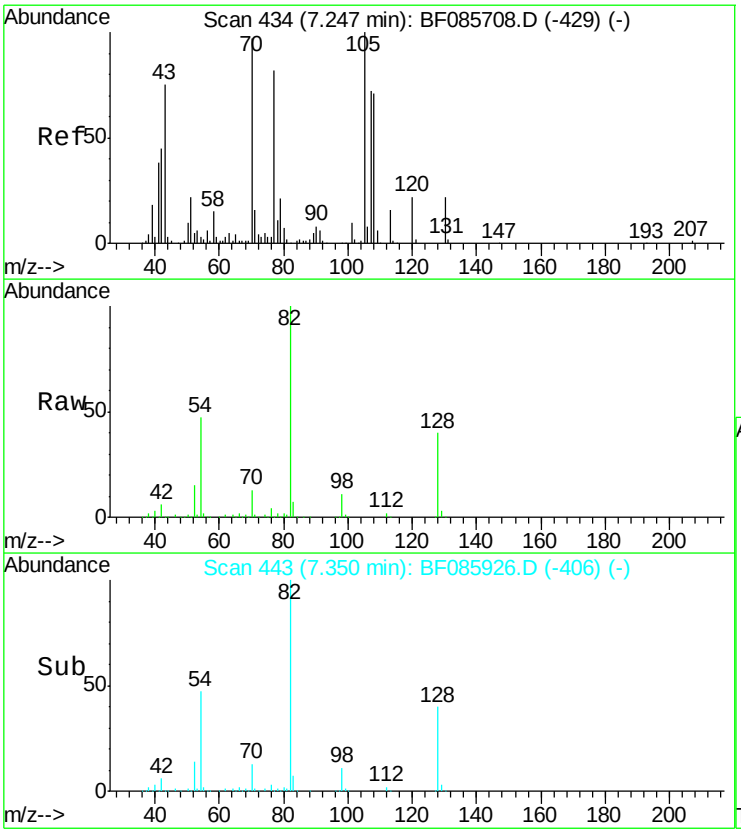

#7
Phenol-d6
Concen: 114.76 ng
RT: 6.42 min Scan# 362
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion: 99 Resp: 975030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 11.1 | 16.7 |
| 71 | 33.4 | 24.9 | 37.3 |

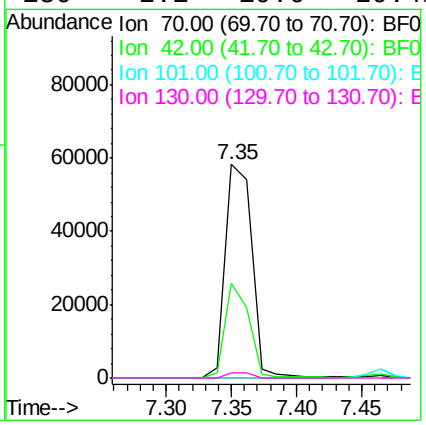


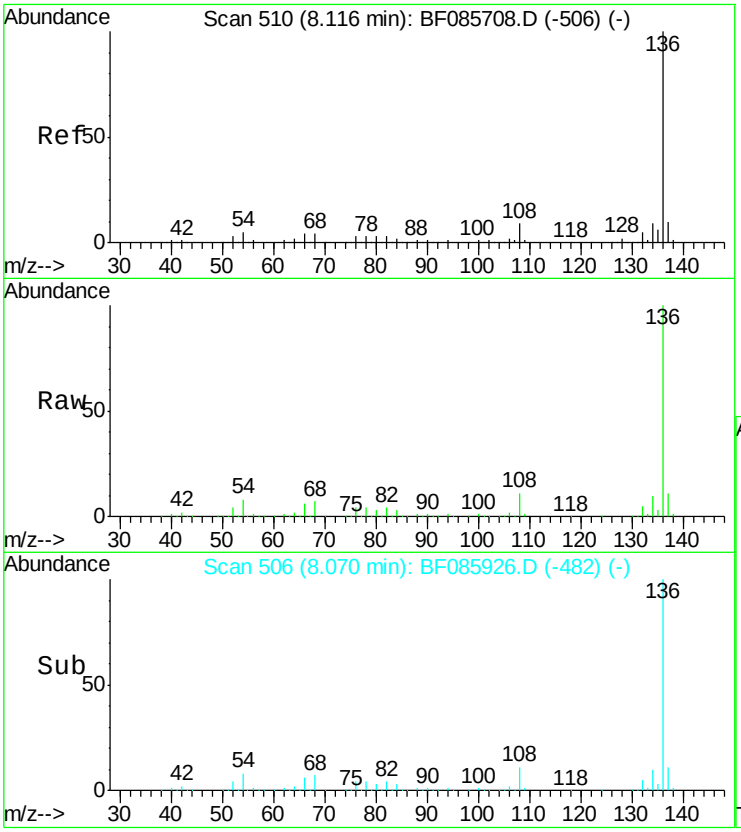




#19
n-Nitroso-di-n-propylamine
Concen: 16.23 ng
RT: 7.35 min Scan# 443
Delta R.T. 0.13 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion: 70 Resp: 82580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.1 | 37.1 | 55.7 |
| 101 | 0.0 | 8.6 | 12.8# |
| 130 | 2.1 | 19.6 | 29.4# |



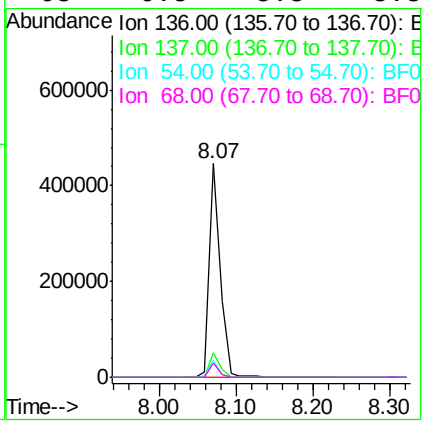


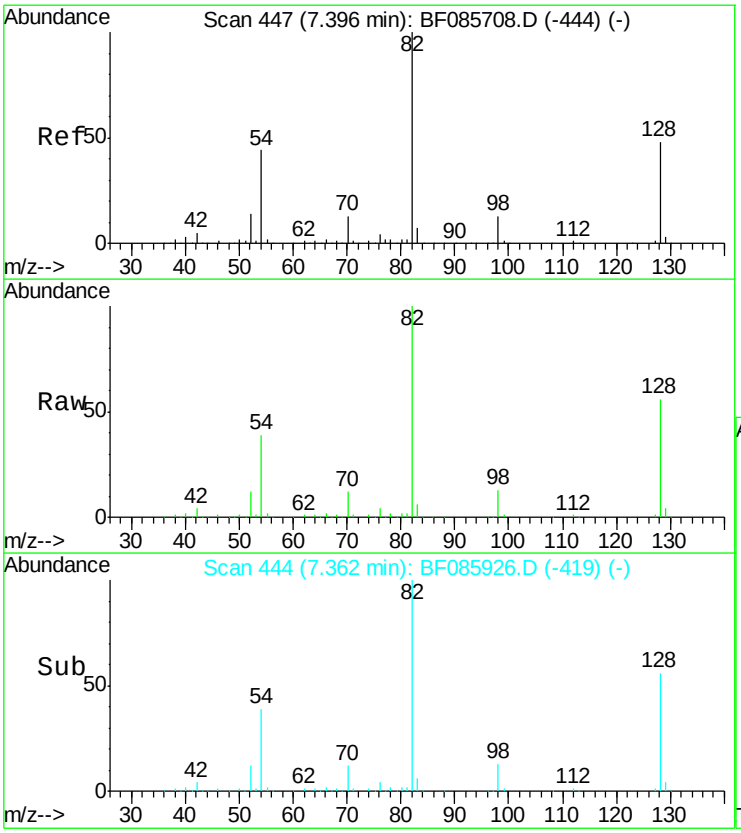

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:136 Resp: 434975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.1 | 13.7 |
| 54 | 8.1 | 7.4 | 11.0 |
| 68 | 6.5 | 5.8 | 8.8 |

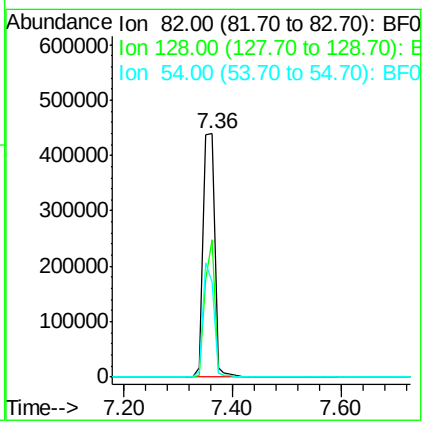


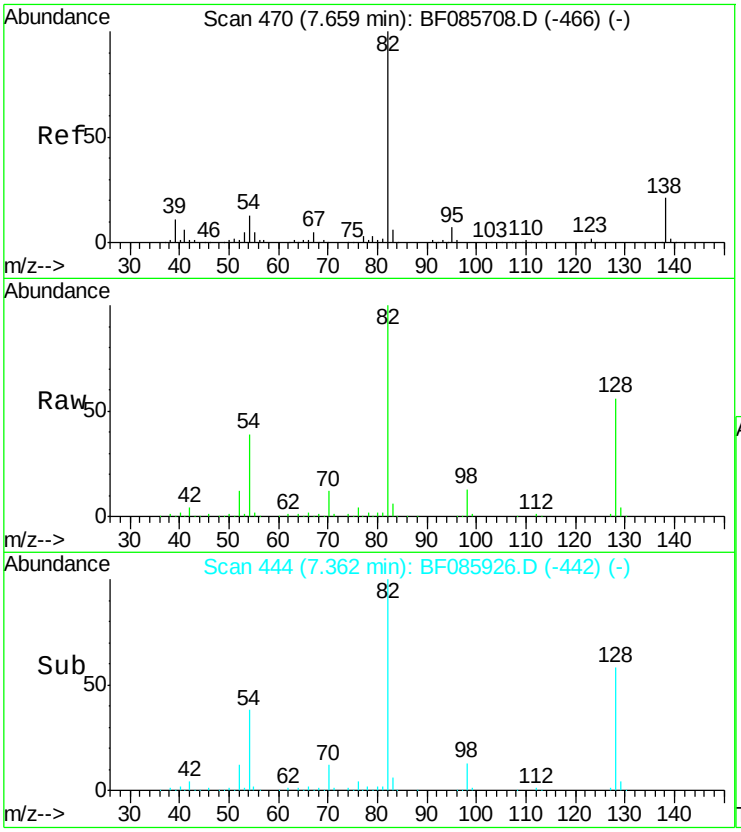




#23
Nitrobenzene-d5
Concen: 83.02 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion: 82 Resp: 641258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 56.2 | 41.8 | 62.8 |
| 54 | 39.1 | 33.4 | 50.0 |



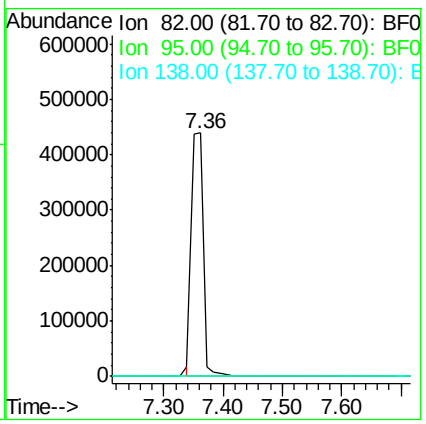


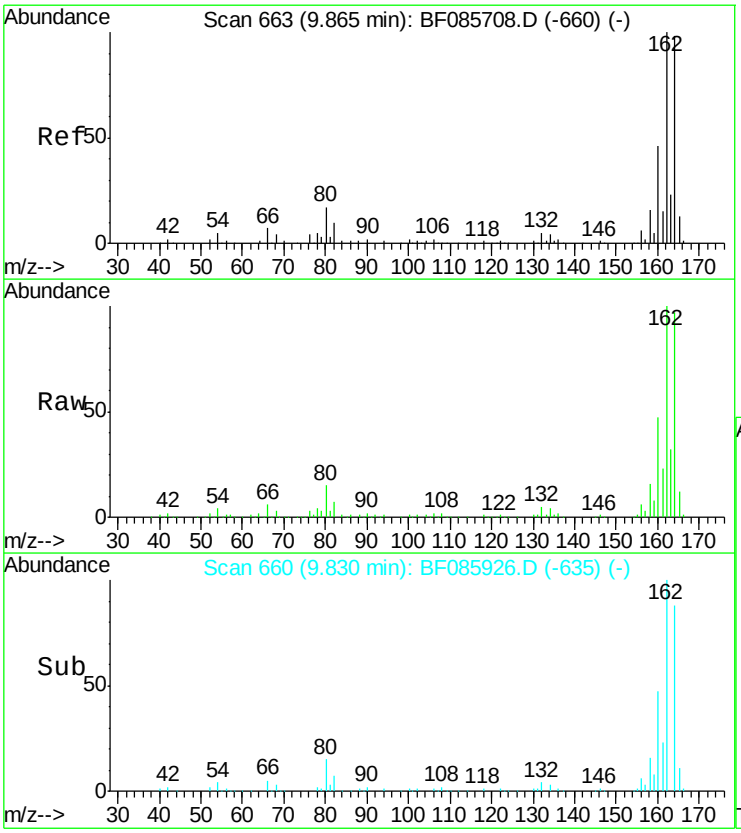

#25
Isophorone
Concen: 42.32 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.27 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion: 82 Resp: 629747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 12.9 | 19.3# |

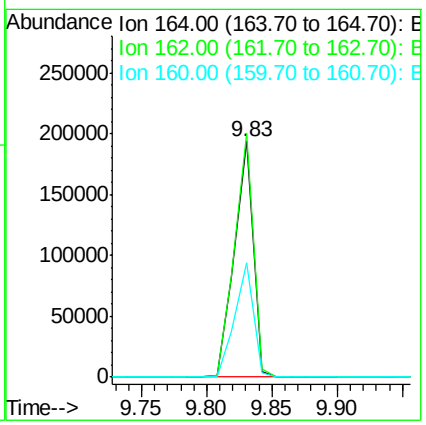


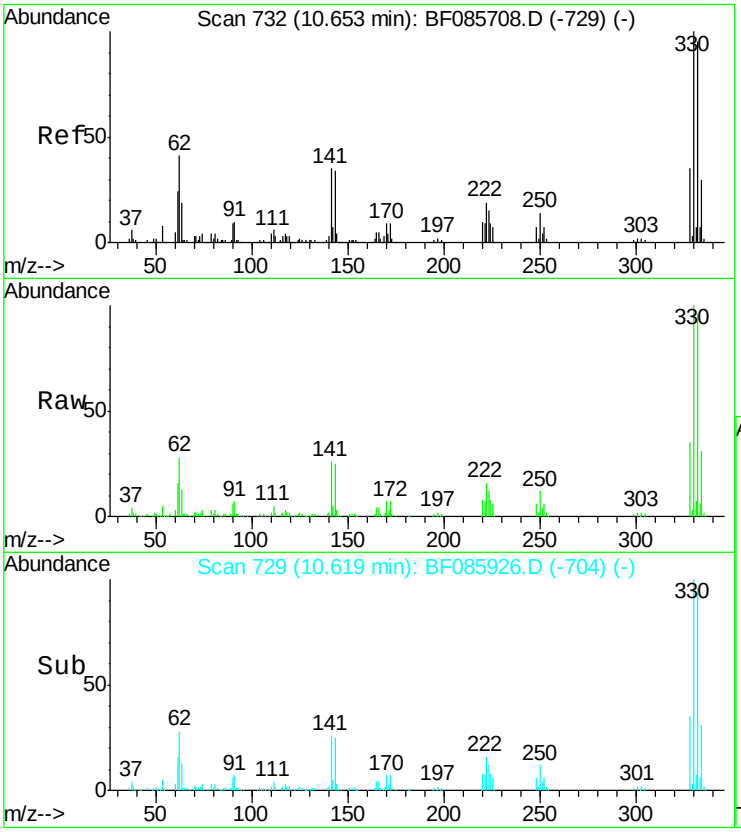




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:164 Resp: 194144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 82.1 | 123.1 |
| 160 | 48.5 | 37.4 | 56.2 |



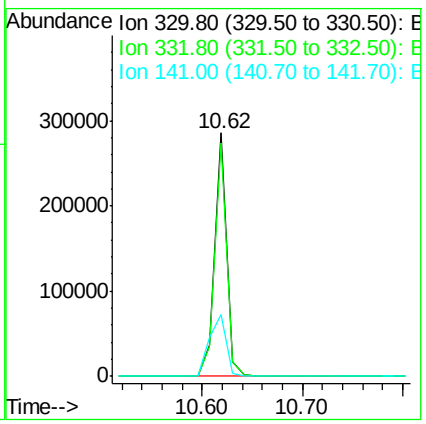


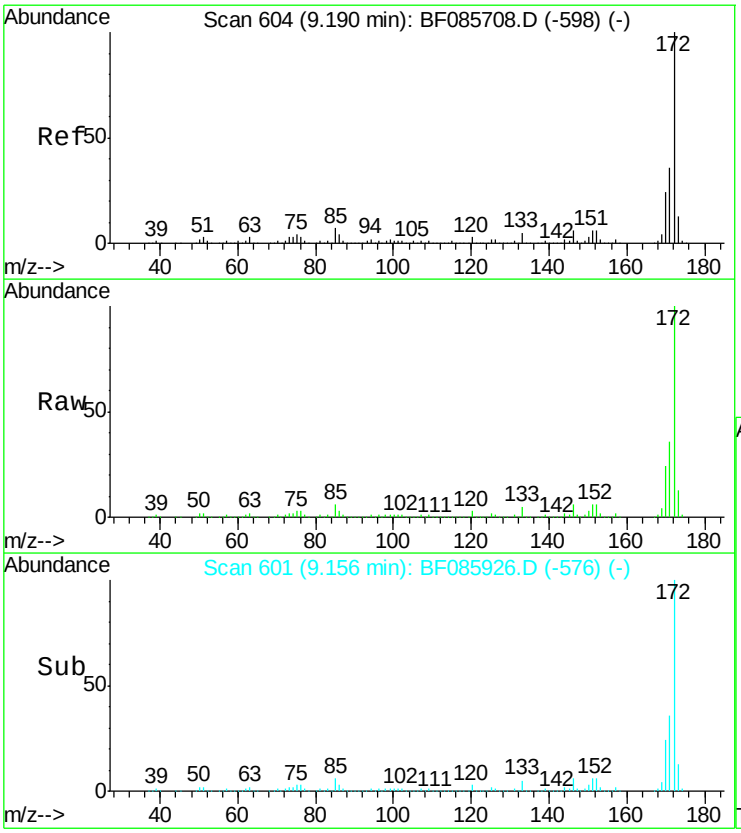

#41
2,4,6-Tribromophenol
Concen: 128.41 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:330 Resp: 236868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 78.2 | 117.2 |
| 141 | 36.2 | 31.5 | 47.3 |

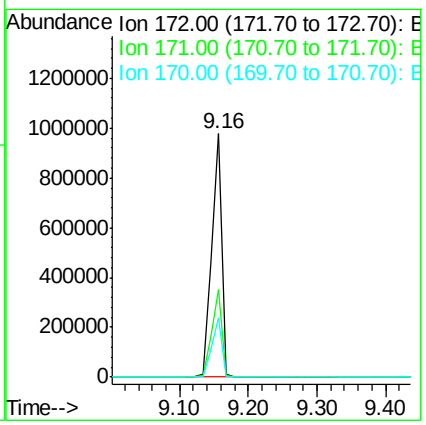


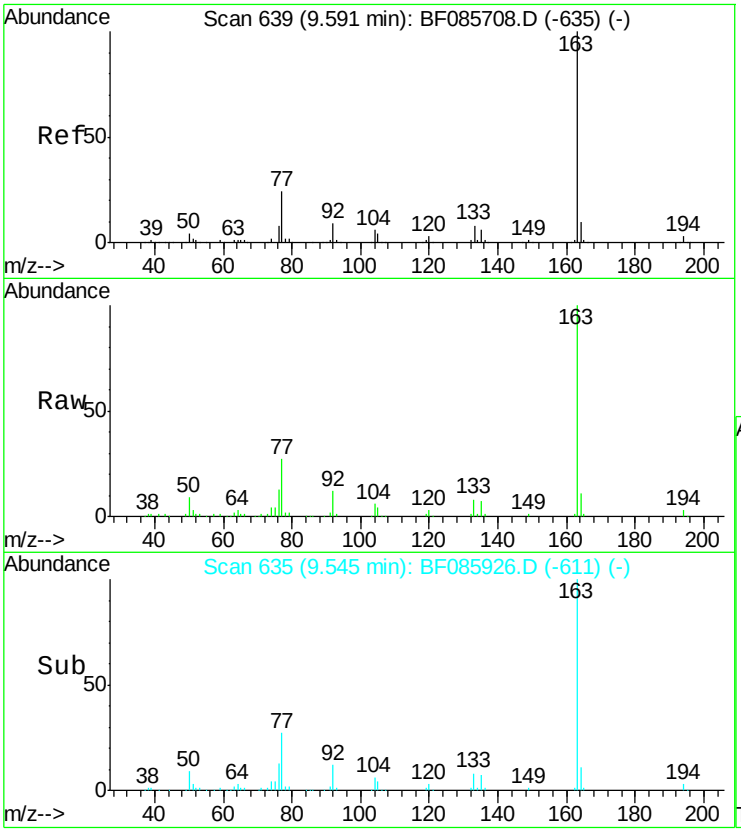




#44
2-Fluorobiphenyl
Concen: 86.74 ng
RT: 9.16 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:172 Resp: 1007982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.4 | 44.2 |
| 170 | 24.5 | 19.8 | 29.6 |



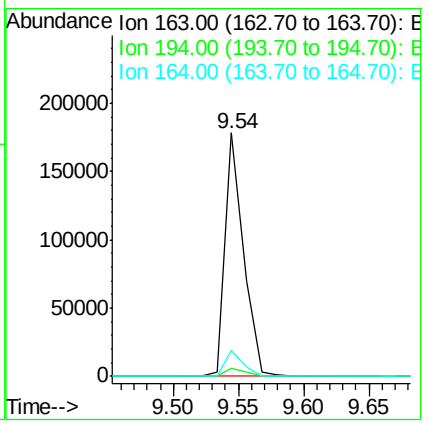


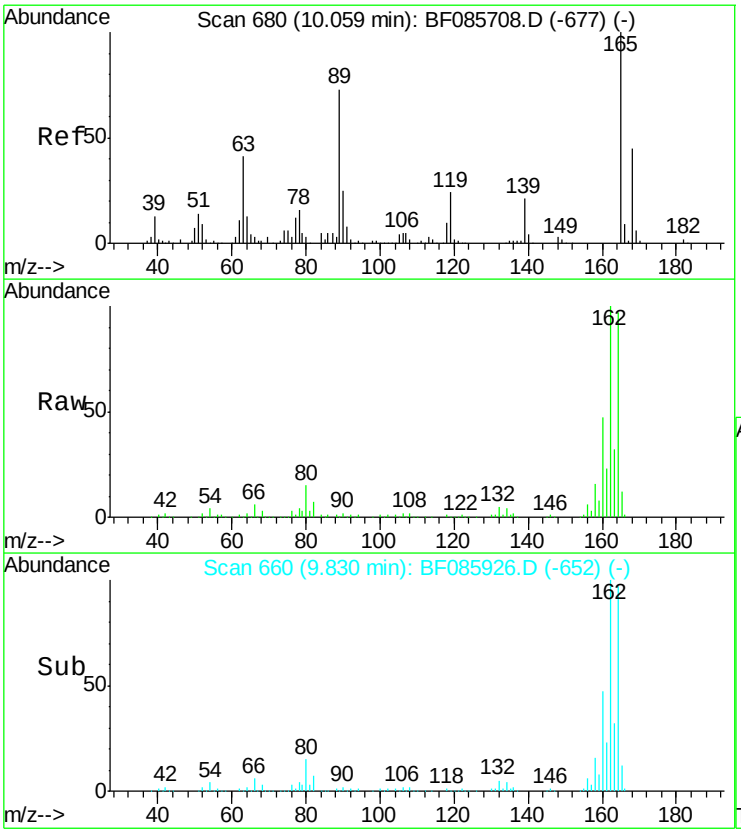

#49
Dimethylphthalate
Concen: 11.94 ng
RT: 9.54 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:163 Resp: 175930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.9 | 4.3 |
| 164 | 10.5 | 8.3 | 12.5 |

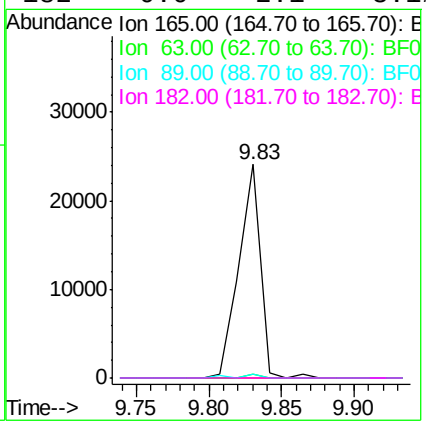


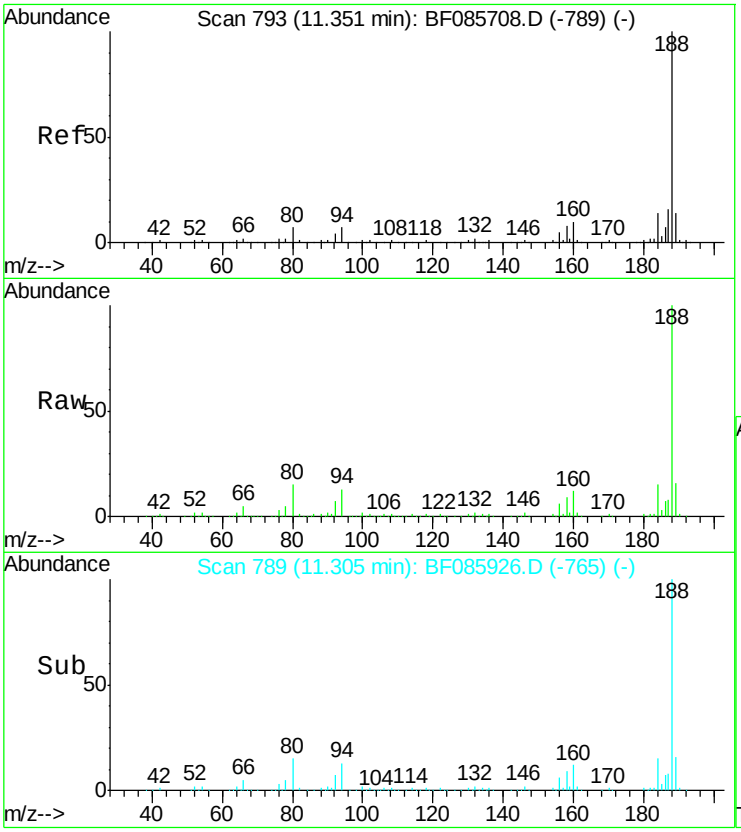




#56
2,4-Dinitrotoluene
Concen: 6.19 ng
RT: 9.83 min Scan# 660
Delta R.T. -0.21 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:165 Resp: 24940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.8 | 24.9 | 37.3# |
| 89 | 1.8 | 41.0 | 61.6# |
| 182 | 0.0 | 2.1 | 3.1# |



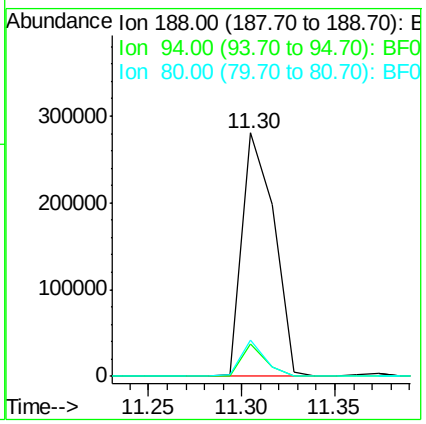


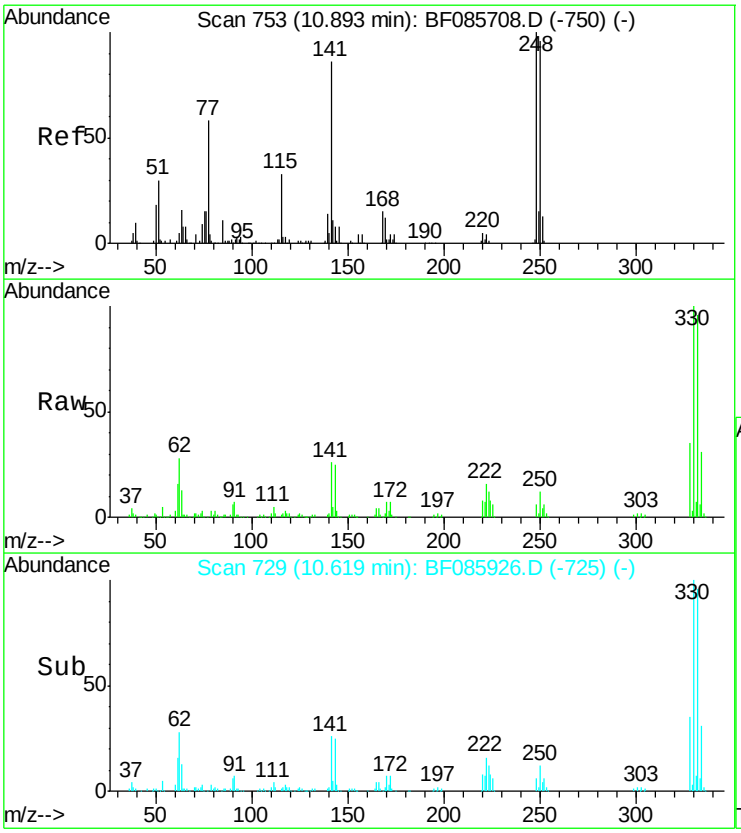

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:188 Resp: 334310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.1 | 5.4 | 8.0# |
| 80 | 15.0 | 5.5 | 8.3# |

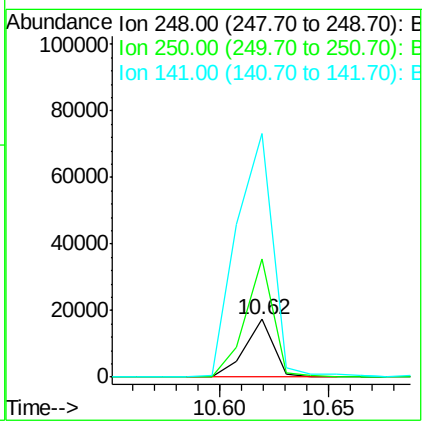


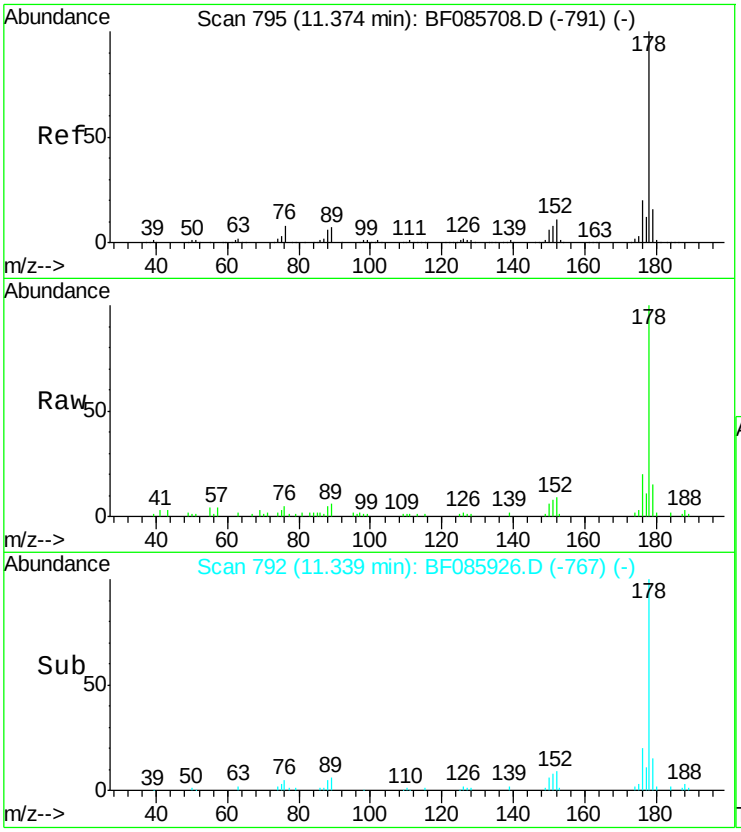




#66
4-Bromophenyl-phenylether
Concen: 4.56 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.25 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:248 Resp: 15601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 205.3 | 77.4 | 116.0# |
| 141 | 422.0 | 63.6 | 95.4# |



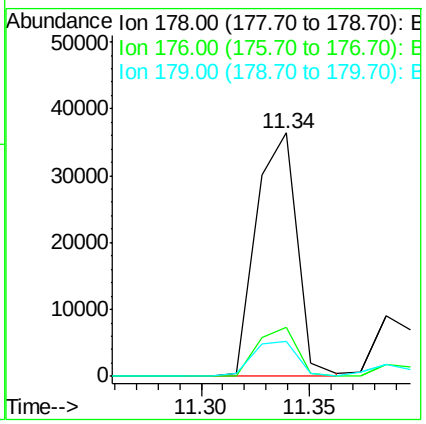


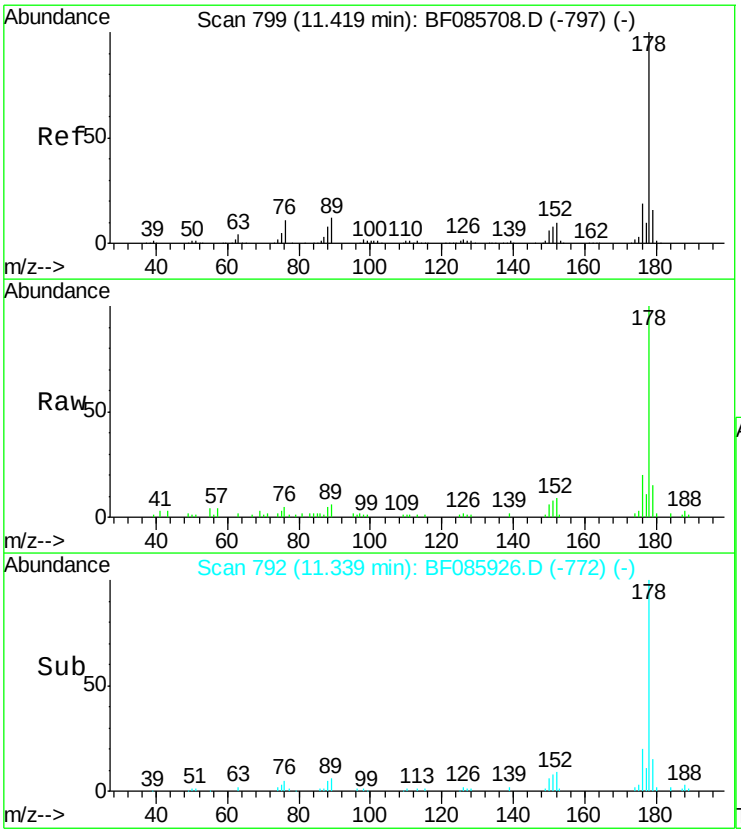

#70
Phenanthrene
Concen: 2.77 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:178 Resp: 47534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 16.3 | 24.5 |
| 179 | 14.6 | 12.6 | 18.8 |

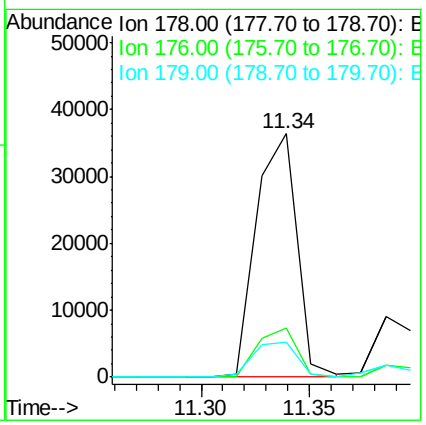


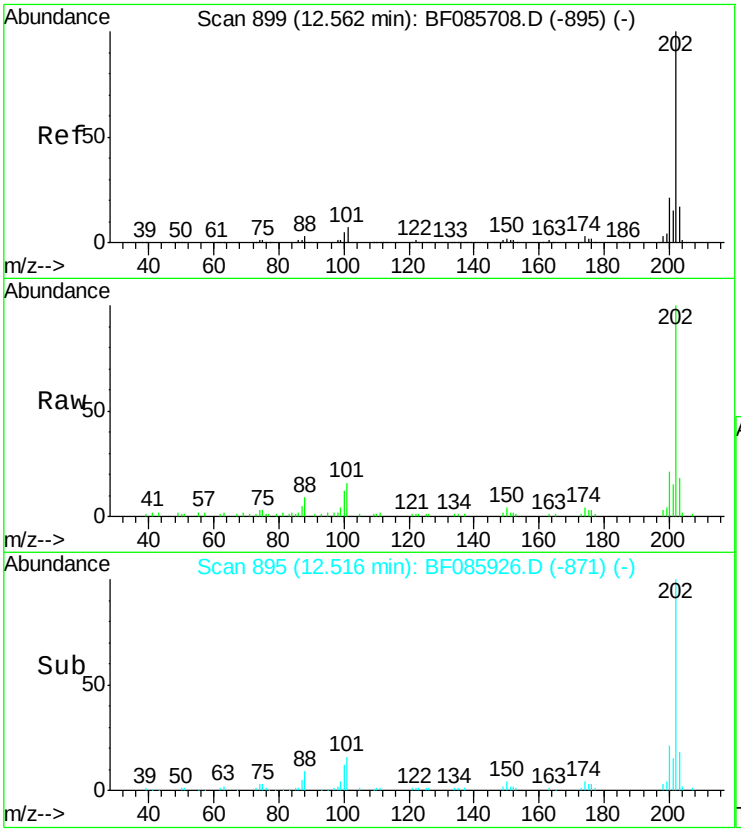




#71
Anthracene
Concen: 2.64 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.07 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:178 Resp: 47534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 15.9 | 23.9 |
| 179 | 14.6 | 13.0 | 19.4 |



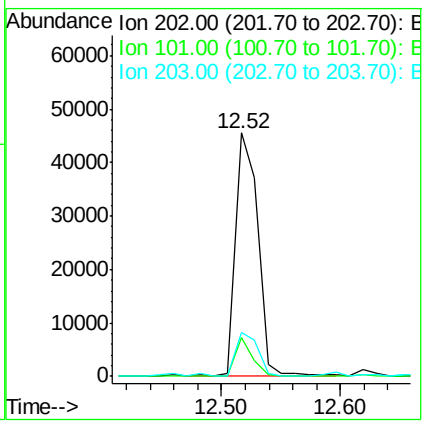


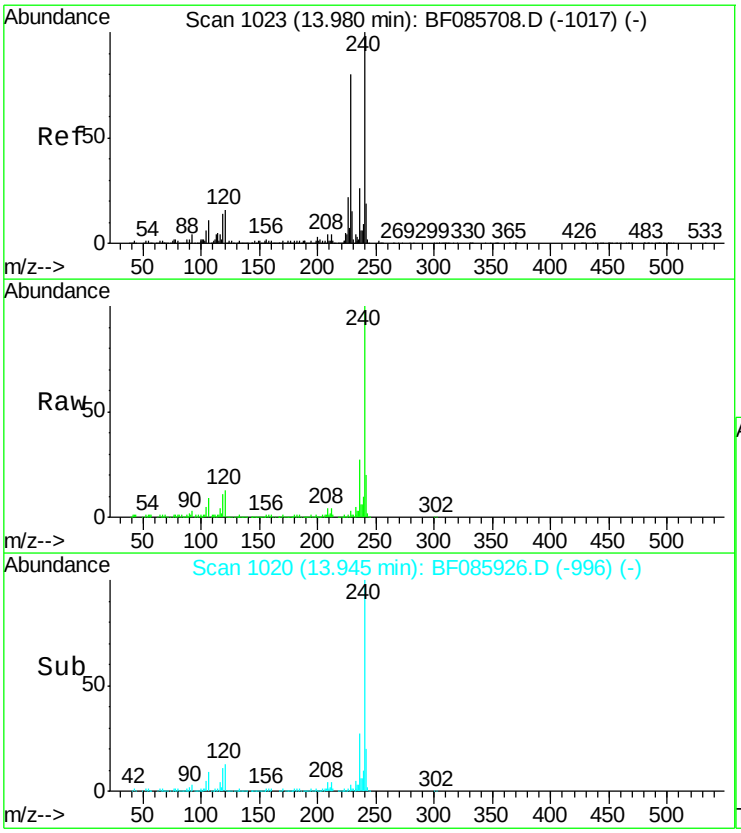

#74
Fluoranthene
Concen: 3.30 ng
RT: 12.52 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:202 Resp: 60218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.0 | 0.0 | 36.6 |
| 203 | 18.2 | 0.0 | 38.1 |

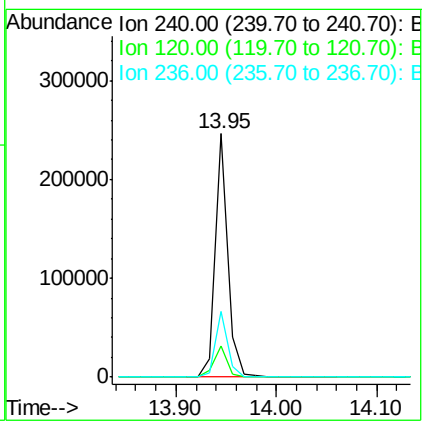


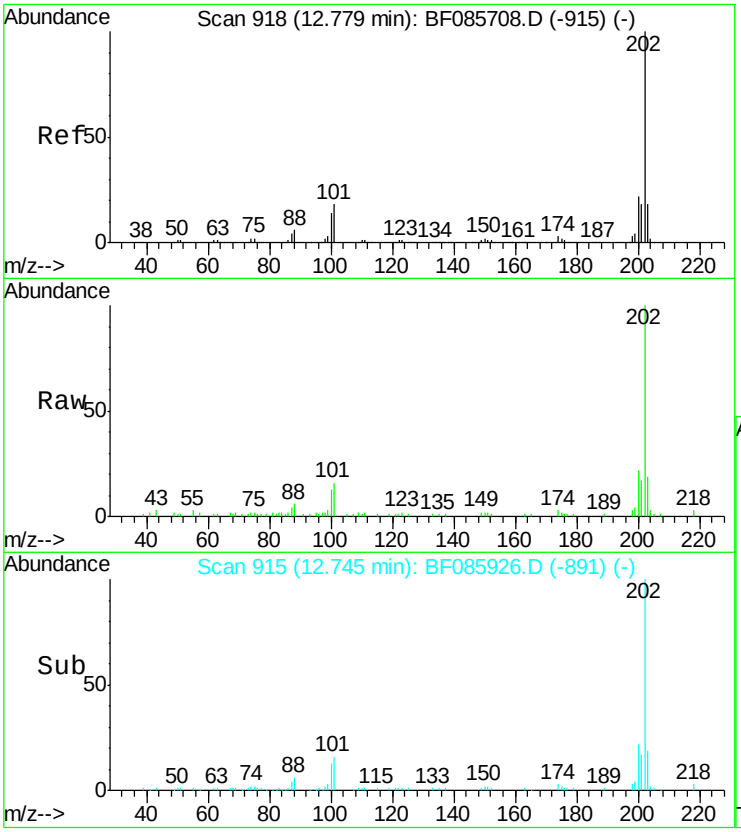




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:240 Resp: 214898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 13.8 | 20.8# |
| 236 | 27.1 | 20.6 | 30.8 |



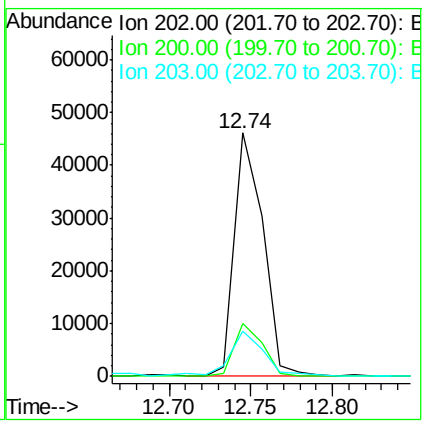


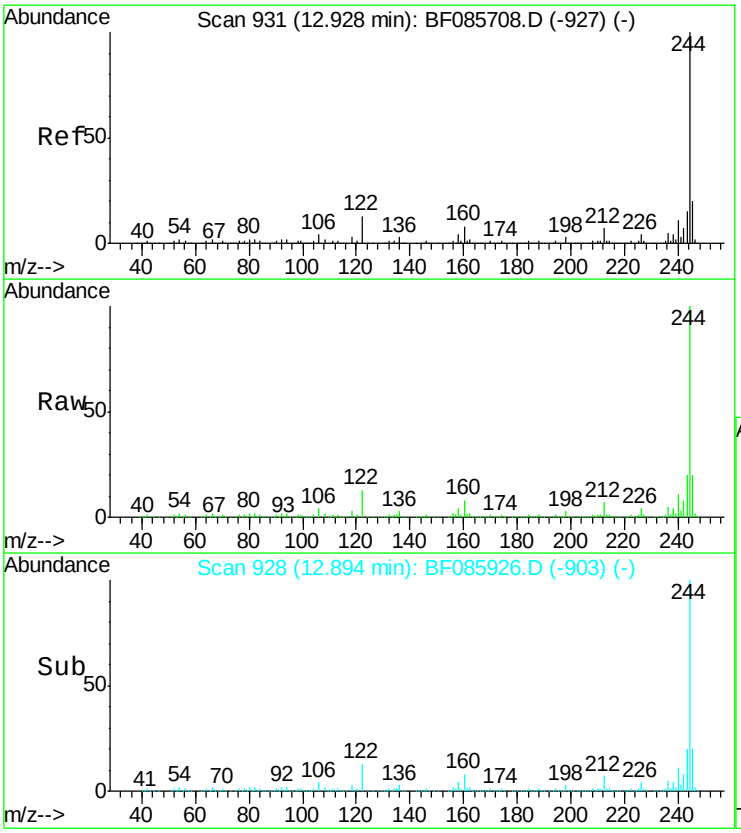

#77
Pyrene
Concen: 3.16 ng
RT: 12.74 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:202 Resp: 55895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.6 | 26.4 |
| 203 | 18.6 | 14.0 | 21.0 |

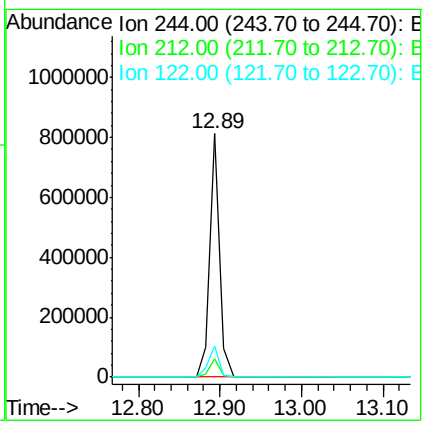


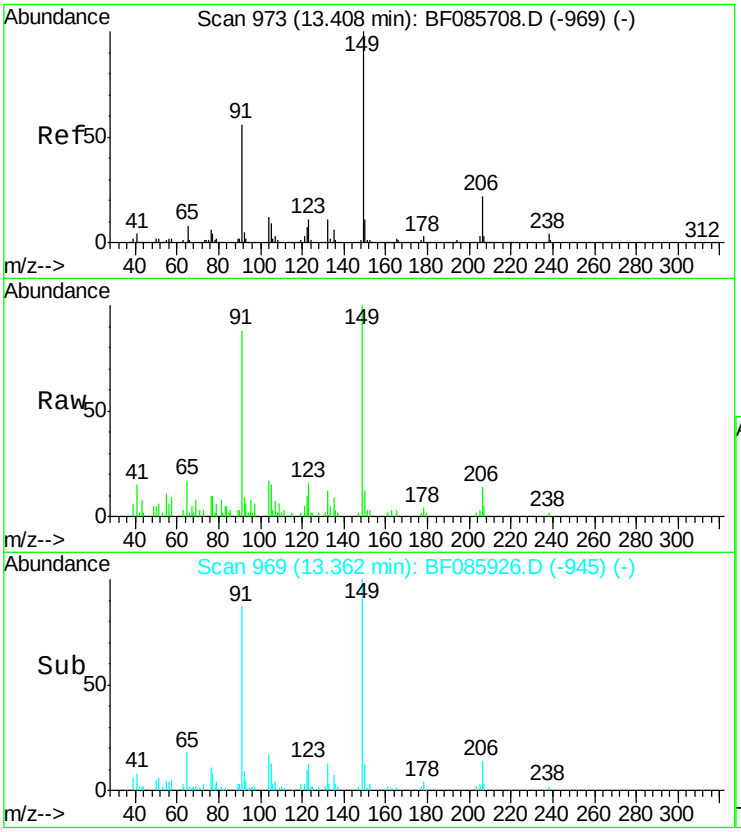




#78
Terphenyl-d14
Concen: 66.76 ng
RT: 12.89 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:244 Resp: 697624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.1 | 9.1 |
| 122 | 12.9 | 10.2 | 15.4 |



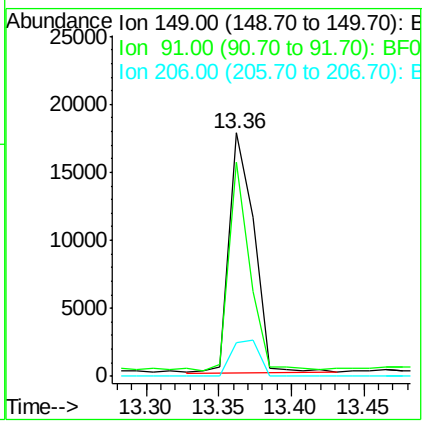


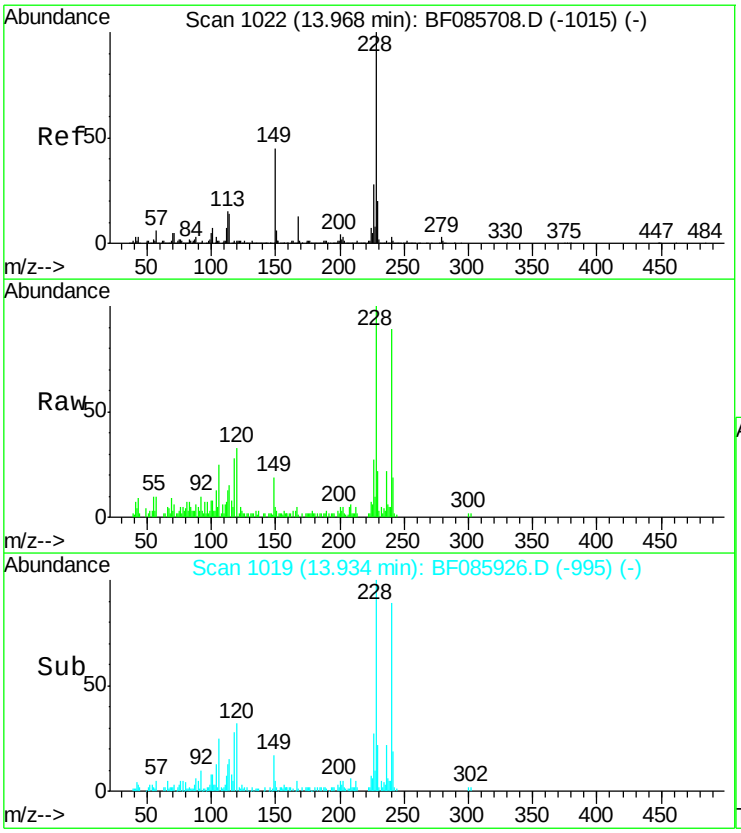

#79
Butylbenzylphthalate
Concen: 2.83 ng
RT: 13.36 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:149 Resp: 20972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 88.0 | 45.8 | 68.8# |
| 206 | 14.0 | 17.8 | 26.8# |

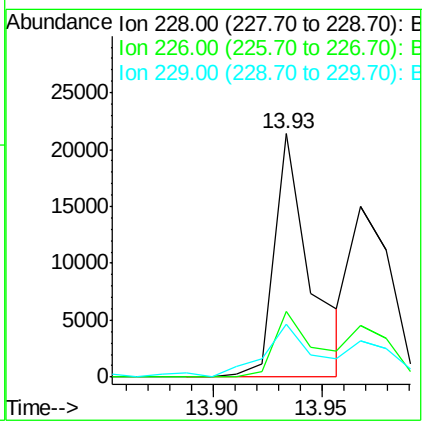


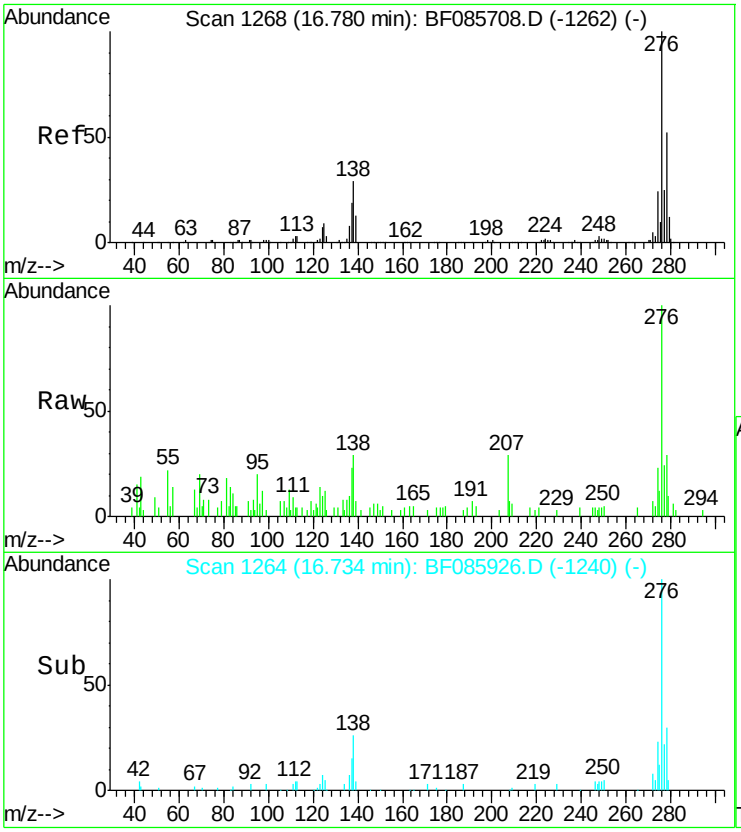




#80
Benzo(a)anthracene
Concen: 2.02 ng
RT: 13.93 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:228 Resp: 24794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 22.1 | 33.1 |
| 229 | 21.8 | 16.2 | 24.4 |



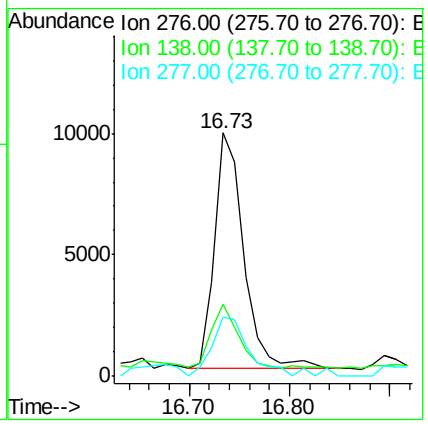


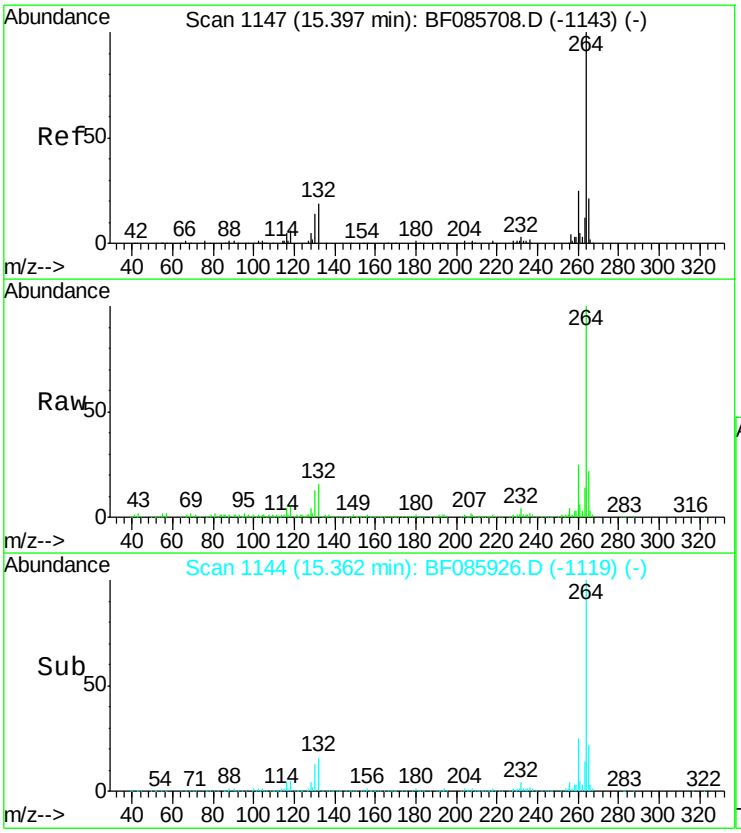

#85
Indeno(1,2,3-cd)pyrene
Concen: 2.05 ng
RT: 16.73 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:276 Resp: 19512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.4 | 24.2 | 36.4 |
| 277 | 31.2 | 20.0 | 30.0# |

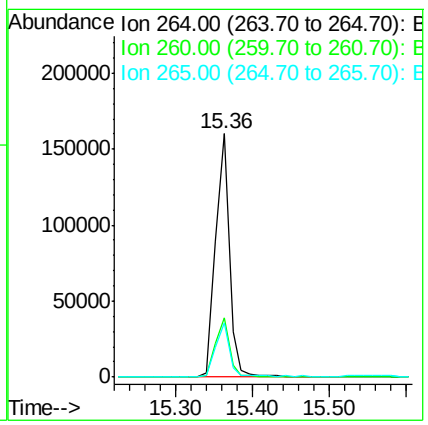


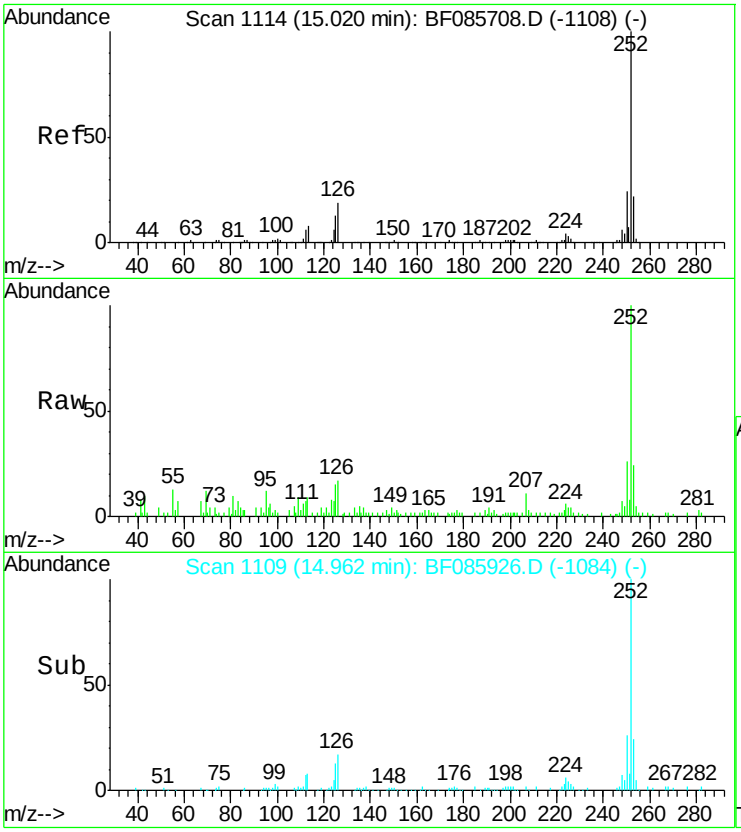




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:264 Resp: 202187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 19.4 | 29.2 |
| 265 | 22.1 | 17.2 | 25.8 |



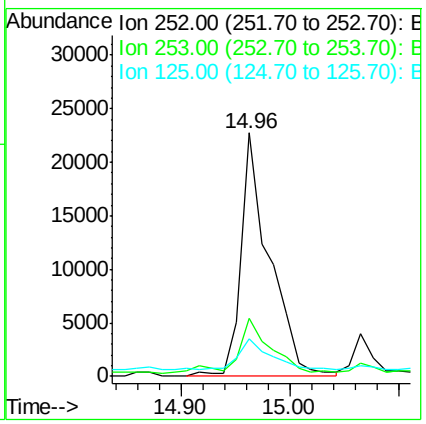


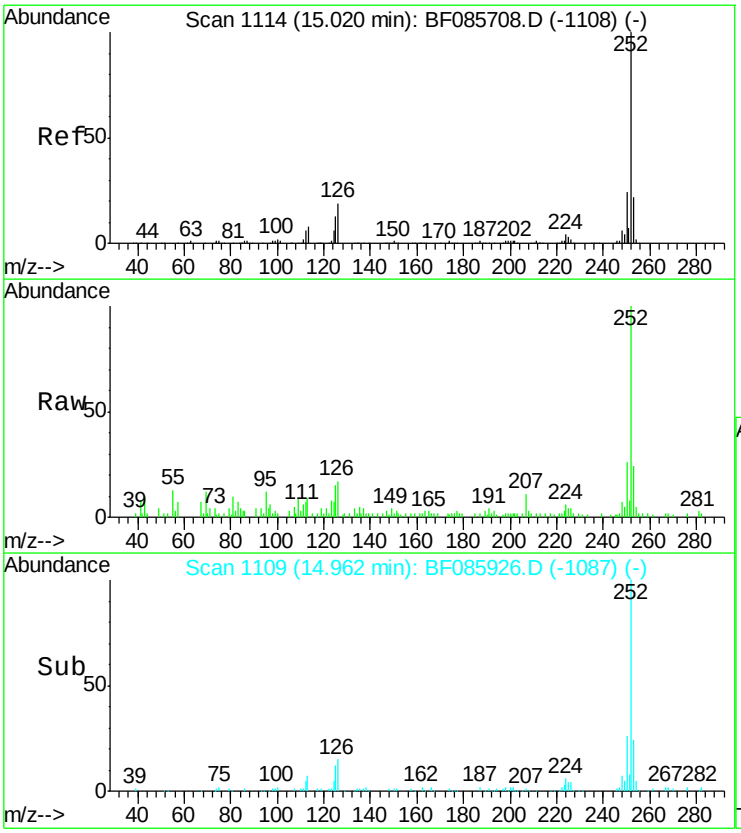

#87
Benzo(b)fluoranthene
Concen: 3.24 ng
RT: 14.96 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:252 Resp: 41321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.6 | 26.4 |
| 125 | 15.5 | 10.3 | 15.5 |

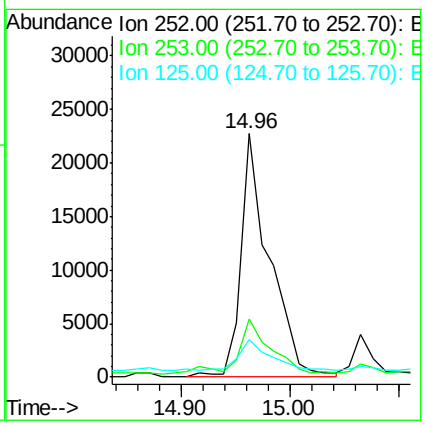


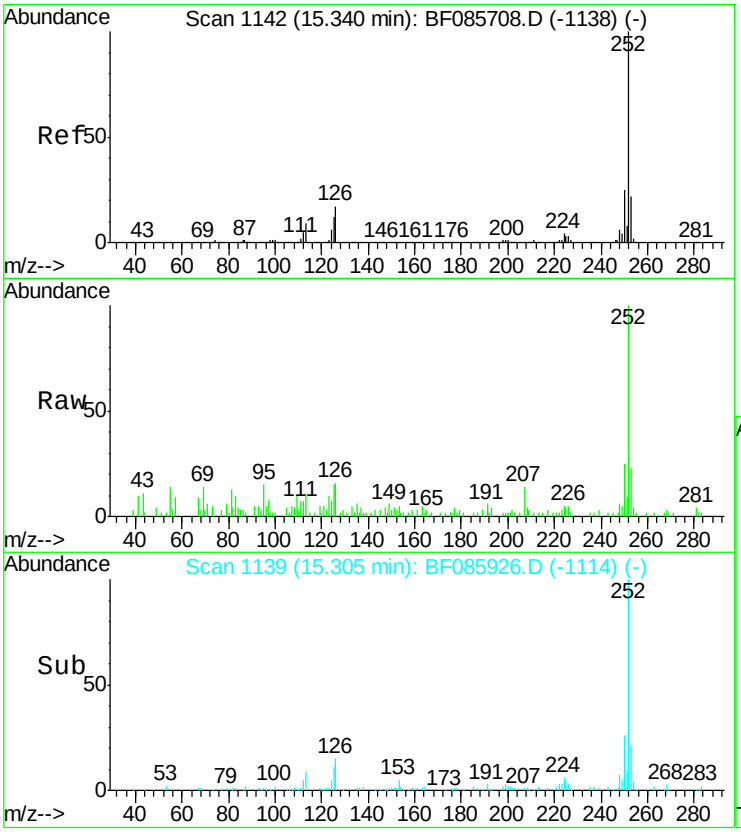




#88
Benzo(k)fluoranthene
Concen: 3.60 ng
RT: 14.96 min Scan# 1109
Delta R.T. -0.05 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:252 Resp: 41321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.8 | 26.6 |
| 125 | 15.5 | 7.7 | 11.5# |



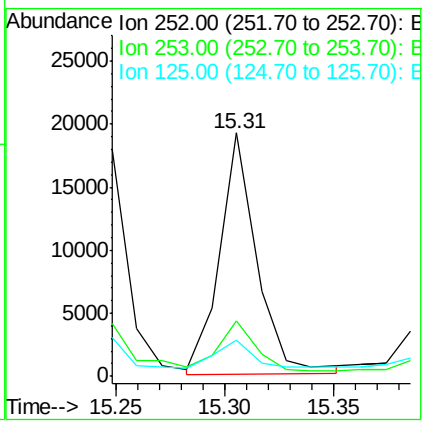


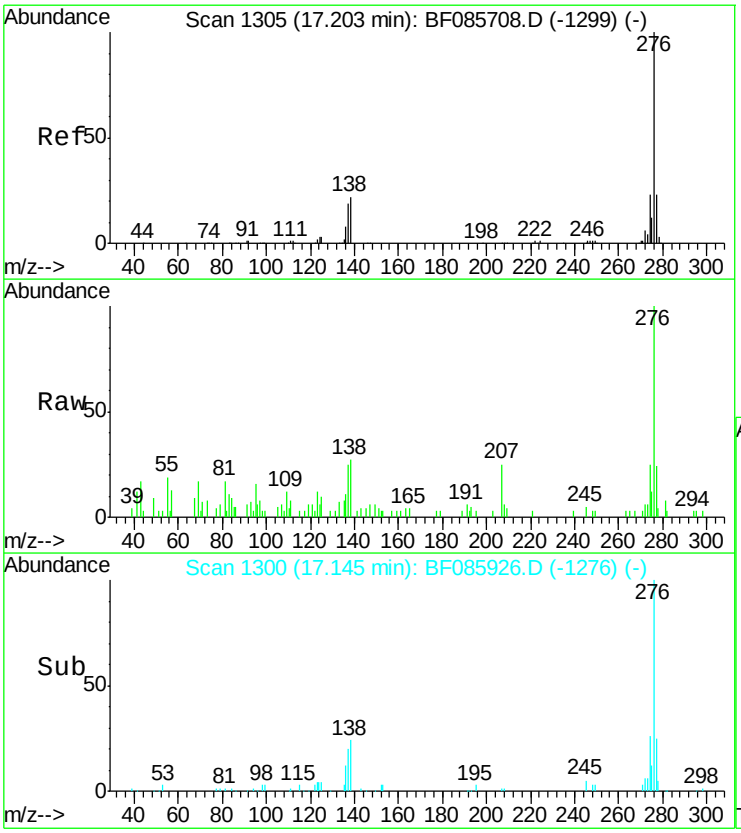

#89
Benzo(a)pyrene
Concen: 2.01 ng
RT: 15.31 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

**Instrument :**
BNA_F
**ClientSampleId :**
SP-10

Tgt Ion:252 Resp: 22711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.4 | 26.0 |
| 125 | 14.9 | 10.3 | 15.5 |




#91
Benzo(g,h,i)perylene
Concen: 2.58 ng
RT: 17.15 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:276 Resp: 27477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.3 | 18.8 | 28.2 |
| 138 | 26.6 | 22.6 | 34.0 |