Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100848.D
Acq On : 23 Nov 2017 2:34
Operator : SJ/JU
Sample : I6548-02 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Nov 23 23:44:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 69360 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.14 | 136 | 261089 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 116250 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 200681 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.02 | 240 | 135649 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.50 | 264 | 148981 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 22967 | 5.31 | ng | | -0.02 |
| 7) Phenol-d6 | 6.48 | 99 | 27154 | 5.09 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 15465 | 3.92 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 5716 | 4.83 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 33111 | 4.34 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.96 | 244 | 22188 | 3.76 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.39 | 88 | 142 | 0.067 | ng | # | 20 |
| 9) Benzaldehyde | 6.62 | 77 | 348 | 0.091 | ng | # | 78 |
| 10) Phenol | 6.50 | 94 | 1016 | 0.181 | ng | # | 64 |
| 15) Benzyl Alcohol | 7.01 | 79 | 289 | 0.069 | ng | # | 45 |
| 17) 2-Methylphenol | 7.26 | 107 | 132 | 0.034 | ng | # | 11 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 1797 | 0.486 | ng | # | 84 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 132 | 0.027 | ng | # | 20 |
| 25) Isophorone | 7.42 | 82 | 15465 | 1.864 | ng | # | 64 |
| 31) Naphthalene | 8.16 | 128 | 13682 | 1.088 | ng | | 95 |
| 33) 4-Chloroaniline | 8.16 | 127 | 1683 | 0.322 | ng | # | 35 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 4160 | 0.498 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 1297 | 0.129 | ng | | 84 |
| 48) Acenaphthylene | 9.76 | 152 | 6855 | 0.567 | ng | | 98 |
| 49) Dimethylphthalate | 9.61 | 163 | 2665 | 0.300 | ng | # | 77 |
| 50) 2,6-Dinitrotoluene | 9.90 | 165 | 15145 | 8.620 | ng | # | 24 |
| 51) Acenaphthene | 9.93 | 154 | 10682 | 1.453 | ng | | 90 |
| 52) 3-Nitroaniline | 10.10 | 138 | 108 | 0.052 | ng | # | 2 |
| 54) Dibenzofuran | 10.10 | 168 | 10597 | 1.028 | ng | | 98 |
| 55) 4-Nitrophenol | 10.10 | 139 | 3612 | 2.144 | ng | # | 9 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 15145 | 6.833 | ng | # | 21 |
| 57) Fluorene | 10.45 | 166 | 11829 | 1.567 | ng | # | 93 |
| 59) Diethylphthalate | 10.30 | 149 | 4392 | 0.494 | ng | # | 93 |
| 62) Azobenzene | 10.68 | 77 | 131 | 0.016 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 149 | 0.021 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 191 | 0.089 | ng | # | 1 |
| 70) Phenanthrene | 11.41 | 178 | 187255 | 17.722 | ng | | 98 |
| 71) Anthracene | 11.46 | 178 | 34972 | 3.262 | ng | | 97 |
| 72) Carbazole | 11.62 | 167 | 12591 | 1.273 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1809 | 0.156 | ng | # | 66 |
| 74) Fluoranthene | 12.60 | 202 | 181118 | 16.174 | ng | | 94 |
| 76) Benzidine | 12.96 | 184 | 118 | 0.022 | ng | # | 66 |
| 77) Pyrene | 12.83 | 202 | 168348 | 17.410 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.44 | 149 | 527 | 0.134 | ng | # | 23 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 72163 | 8.834 | ng | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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Sample : I6548-02 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Nov 23 23:44:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 81) 3,3'-Dichlorobenzidine | 14.06 | 252 | 632 | 0.216 | ng | # | 38 |
| 82) Chrysene | 14.05 | 228 | 68134 | 8.613 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 1428 | 0.275 | ng | # | 76 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 1071 | 0.120 | ng | # | 4 |
| 85) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 32056 | 5.010 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 107214 | 12.147 | ng | | 94 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 107214 | 12.856 | ng | | 95 |
| 89) Benzo(a)pyrene | 15.43 | 252 | 62527 | 7.991 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.97 | 278 | 8862 | 1.385 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.41 | 276 | 29905 | 4.774 | ng | | 95 |

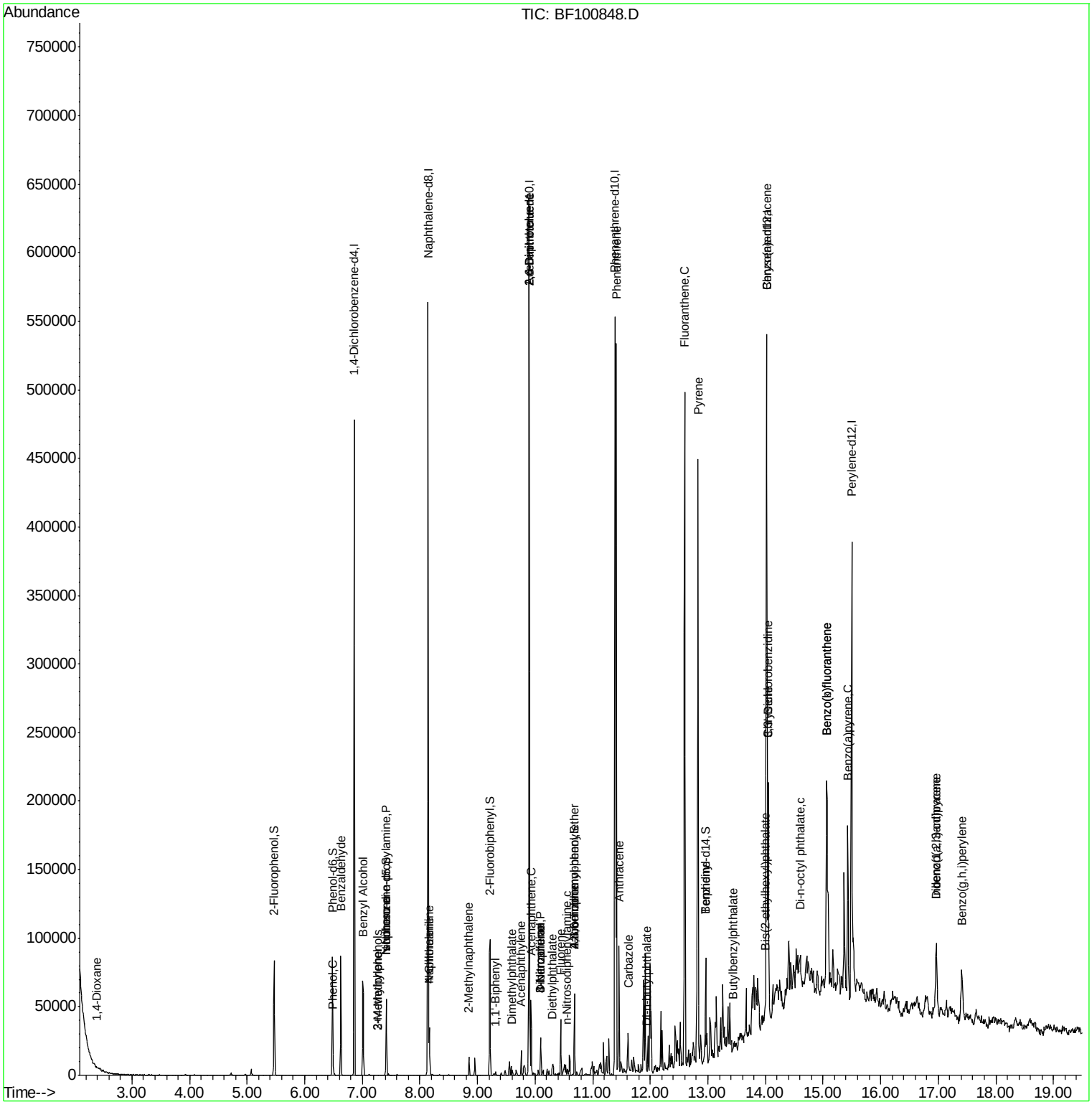
(#) = qualifier out of range (m) = manual integration (+) = signals summed

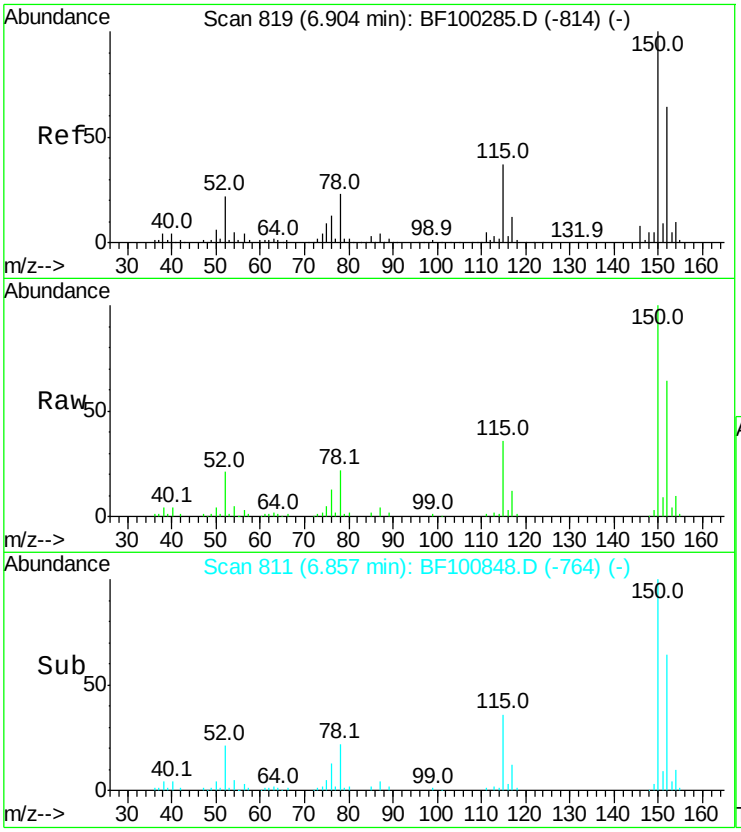
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100848.D
Acq On : 23 Nov 2017 2:34
Operator : SJ/JU
Sample : I6548-02 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Nov 23 23:44:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration



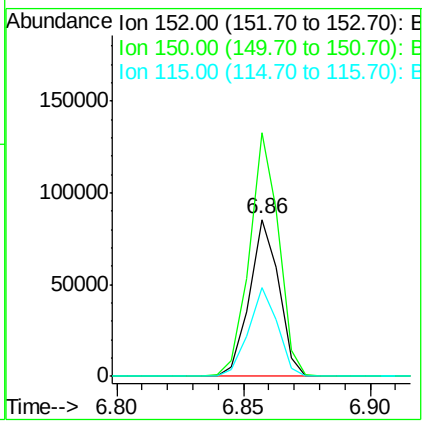


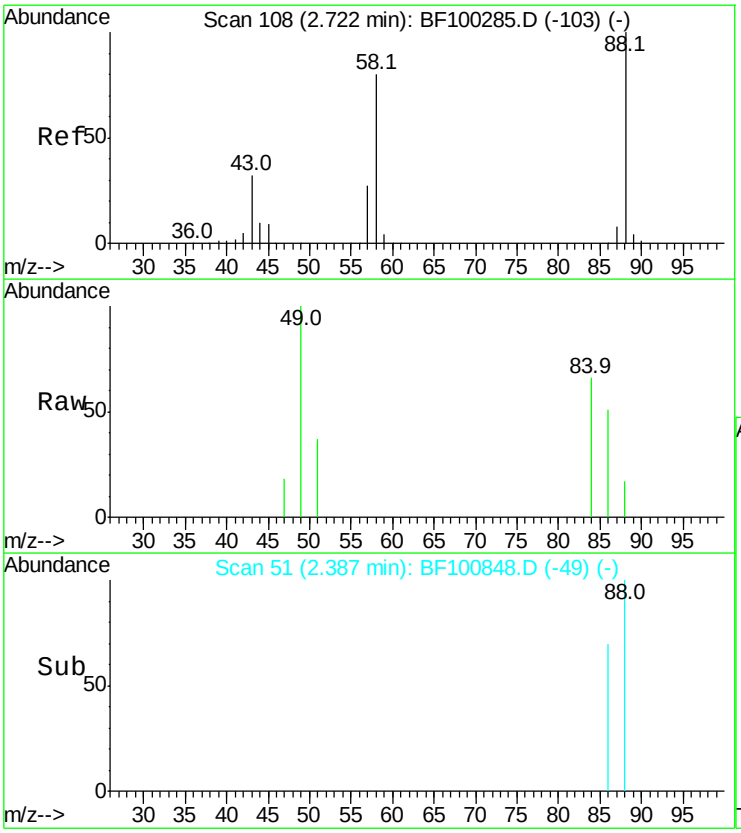

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 69360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 124.6 | 186.8 |
| 115 | 56.6 | 50.1 | 75.1 |

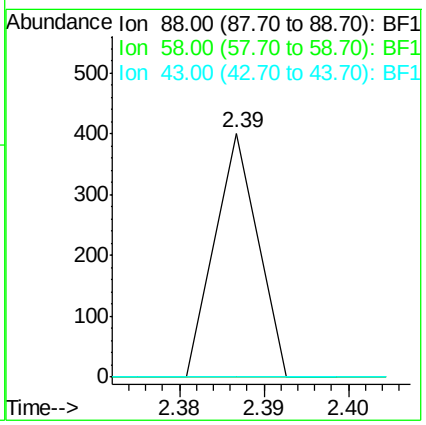


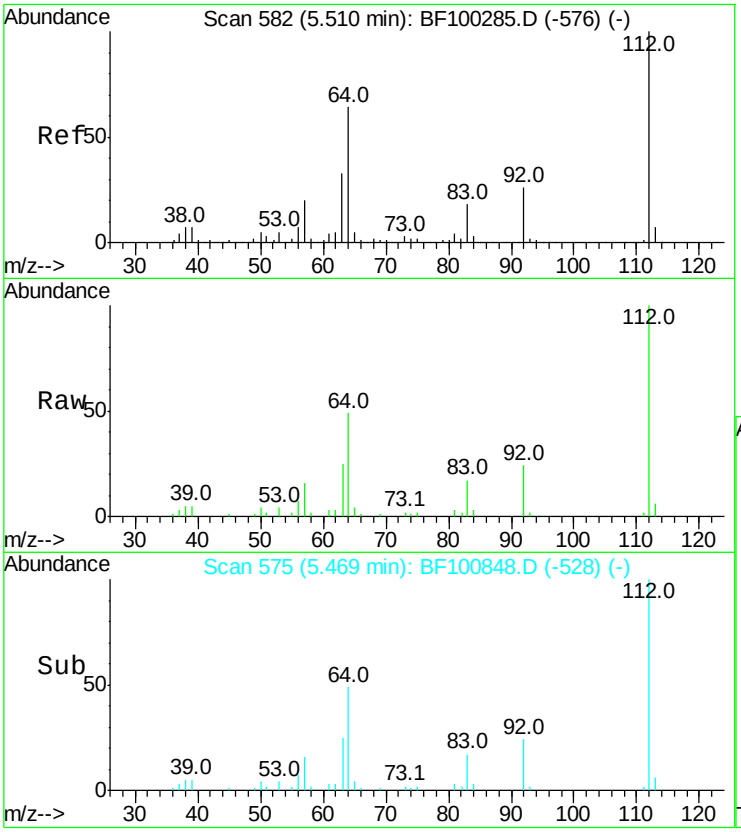




#2
1,4-Dioxane
Concen: 0.067 ng
RT: 2.39 min Scan# 51
Delta R.T. -0.29 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion: 88 Resp: 142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 62.6 | 93.8# |
| 43 | 0.0 | 24.6 | 37.0# |



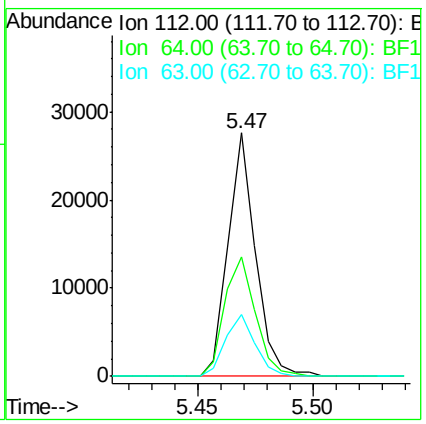


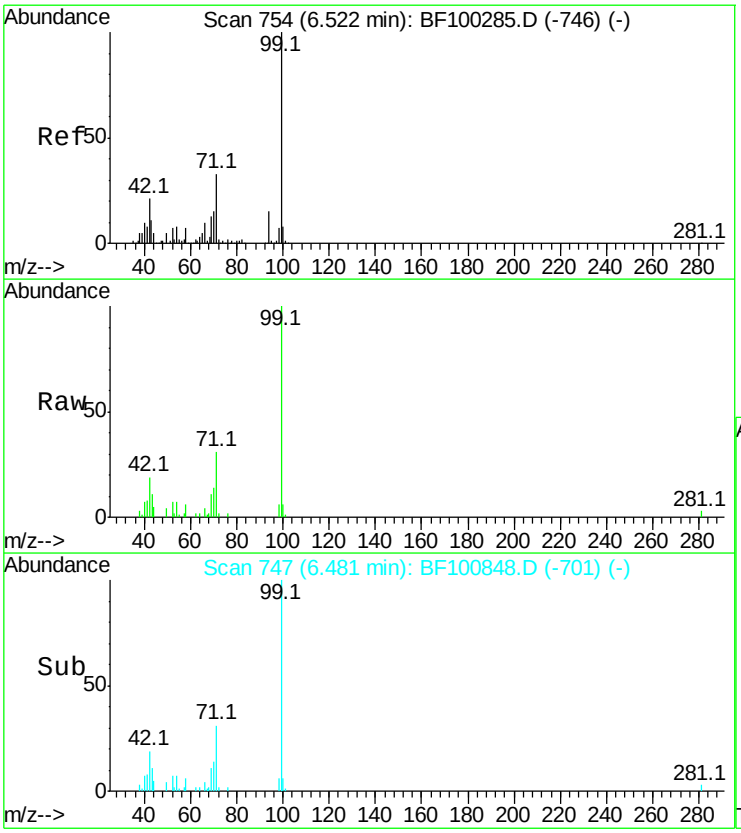

#5
2-Fluorophenol
Concen: 5.308 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:112 Resp: 22967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.0 | 47.9 | 71.9 |
| 63 | 25.3 | 23.7 | 35.5 |

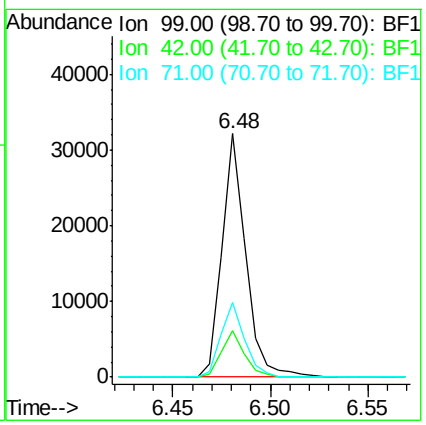


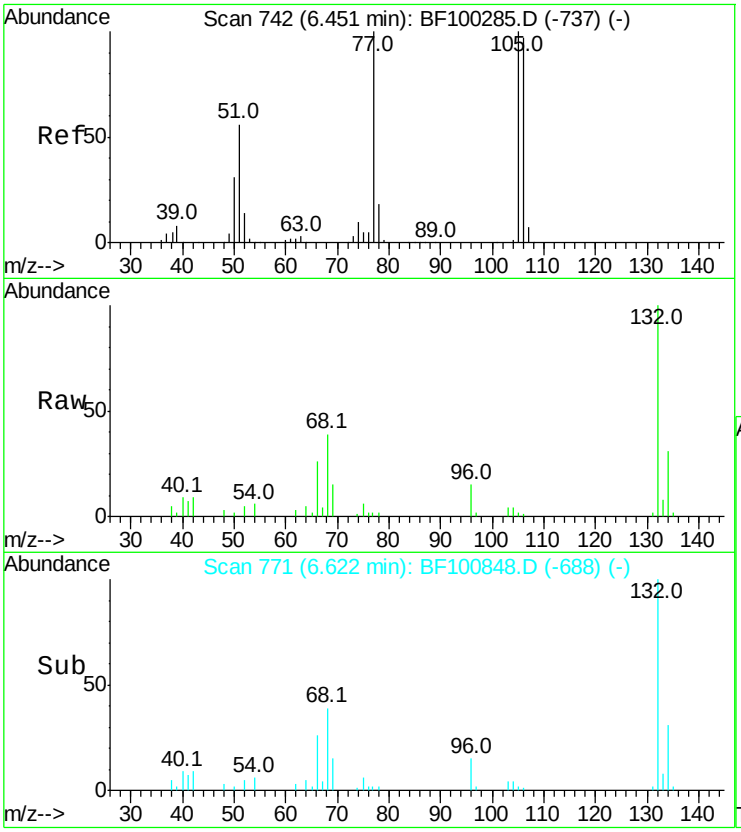




#7
Phenol-d6
Concen: 5.089 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion: 99 Resp: 27154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 14.5 | 21.7 |
| 71 | 30.7 | 25.4 | 38.0 |



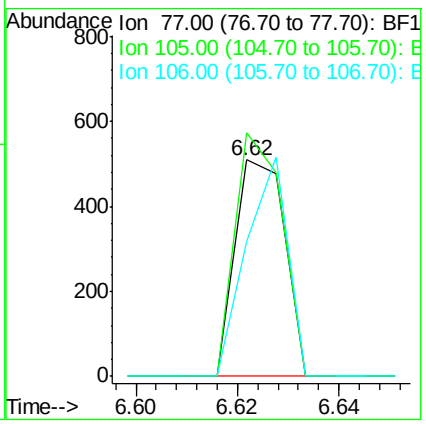


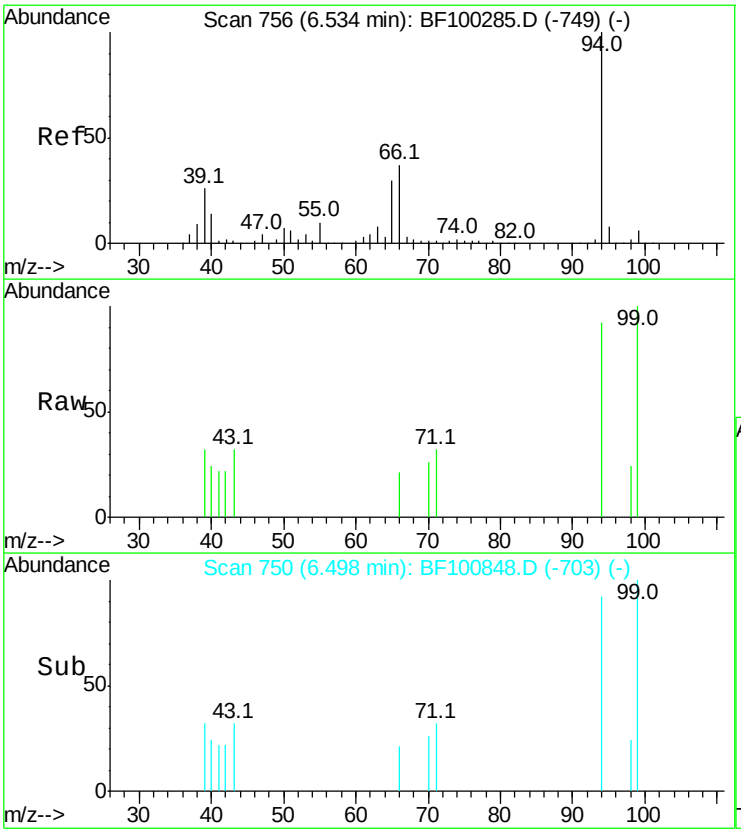

#9
Benzaldehyde
Concen: 0.091 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.19 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 77 Resp: 348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 112.6 | 81.1 | 121.1 |
| 106 | 62.1 | 74.5 | 114.5# |

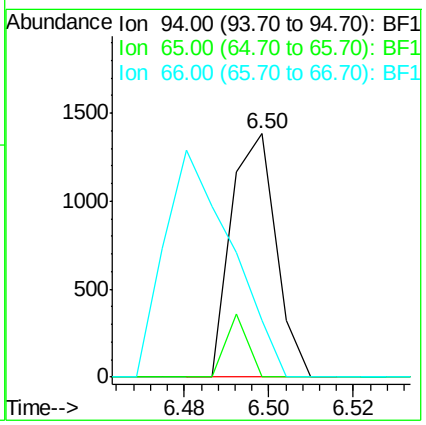


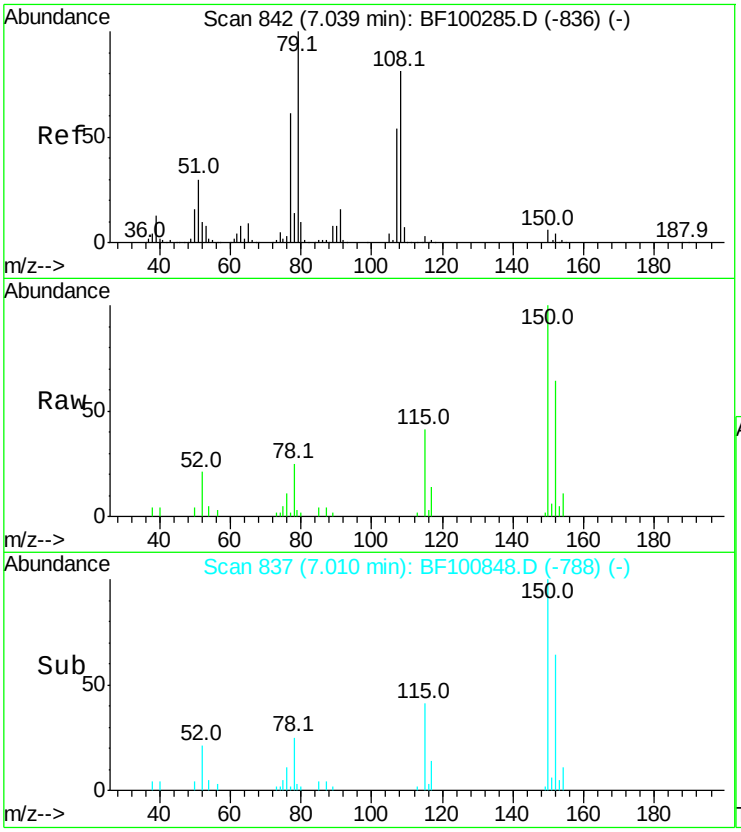




#10
Phenol
Concen: 0.181 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion: 94 Resp: 1016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 0.0 | 7.9 | 47.9# |
| 66 | 23.0 | 16.2 | 56.2 |



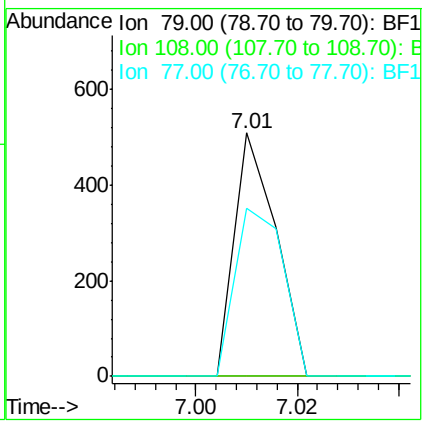


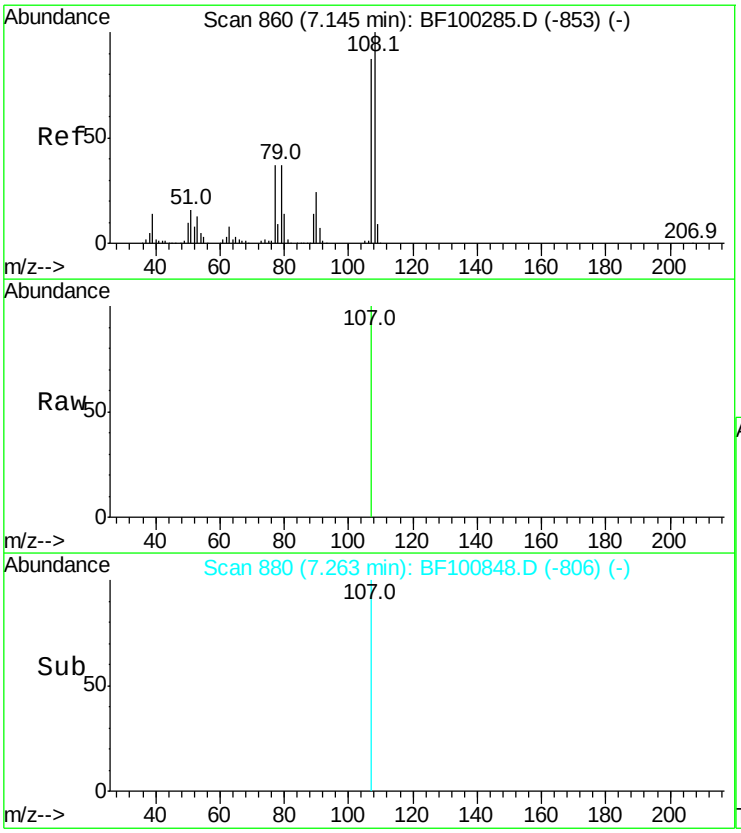

#15
Benzyl Alcohol
Concen: 0.069 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 79 Resp: 289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 0.0 | 65.1 | 97.7# |
| 77 | 69.0 | 50.6 | 75.8 |

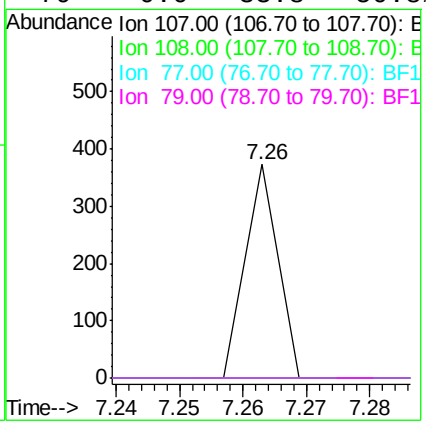


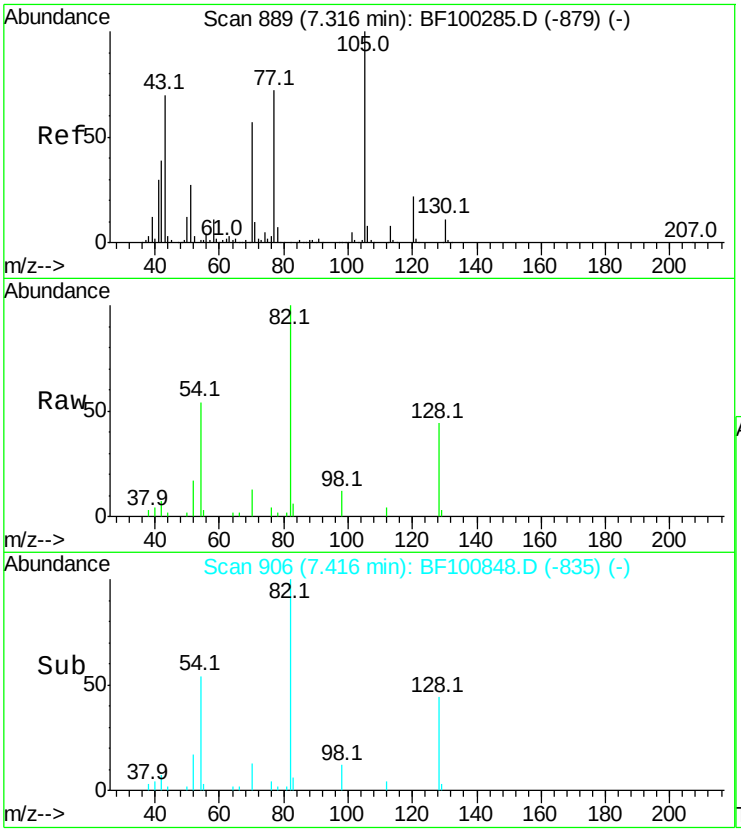




#17
2-Methylphenol
Concen: 0.034 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:107 Resp: 132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 0.0 | 91.7 | 137.5# |
| 77 | 0.0 | 33.8 | 50.8# |
| 79 | 0.0 | 33.8 | 50.8# |



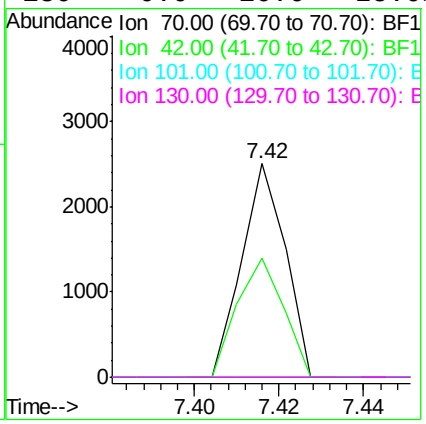


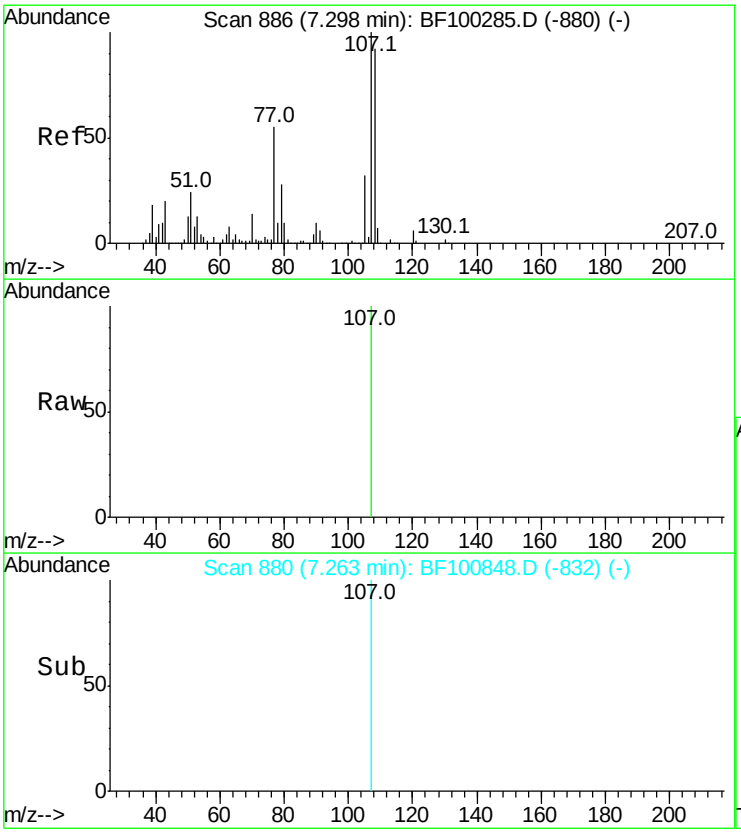

#19
n-Nitroso-di-n-propylamine
Concen: 0.486 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.12 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 70 Resp: 1797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.7 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 0.0 | 16.6 | 25.0# |

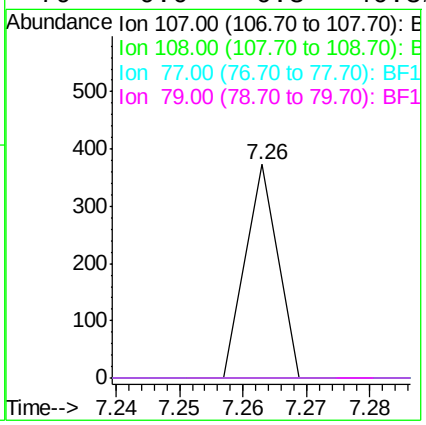


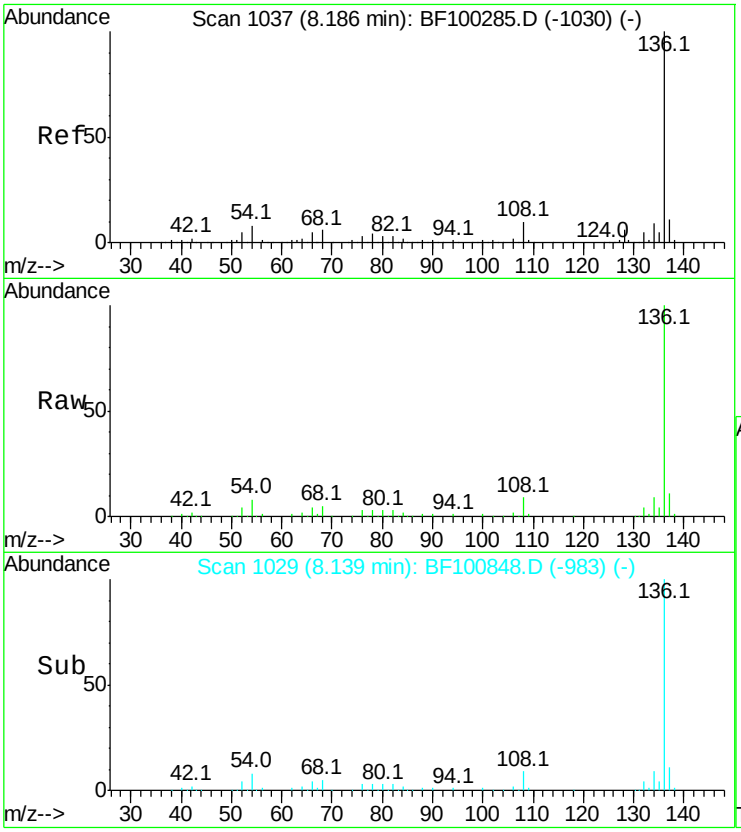




#20
3+4-Methylphenols
Concen: 0.027 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:107 Resp: 132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 0.0 | 68.2 | 108.2# |
| 77 | 0.0 | 26.7 | 66.7# |
| 79 | 0.0 | 6.3 | 46.3# |



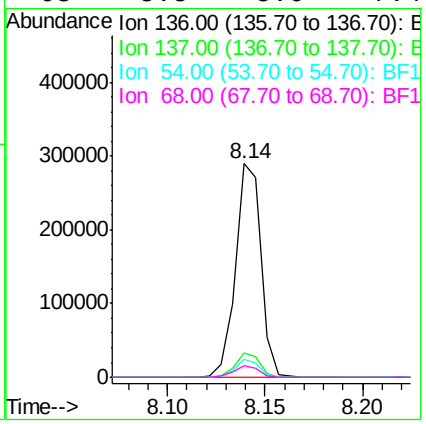


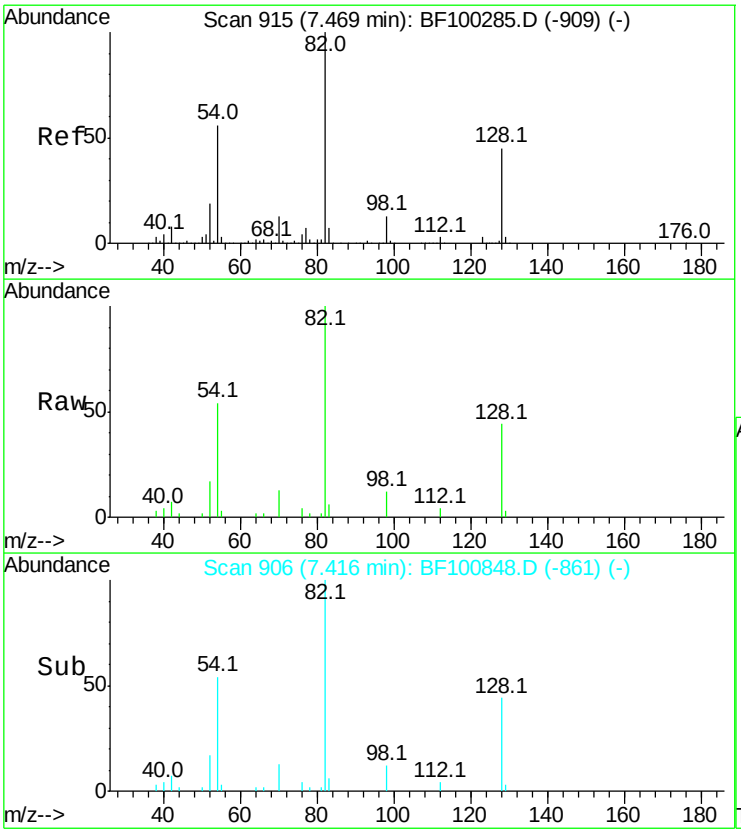

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:136 Resp: 261089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 8.4 | 6.6 | 9.8 |
| 68 | 5.5 | 5.0 | 7.4 |

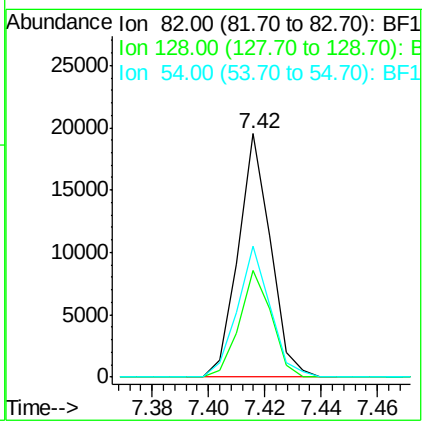


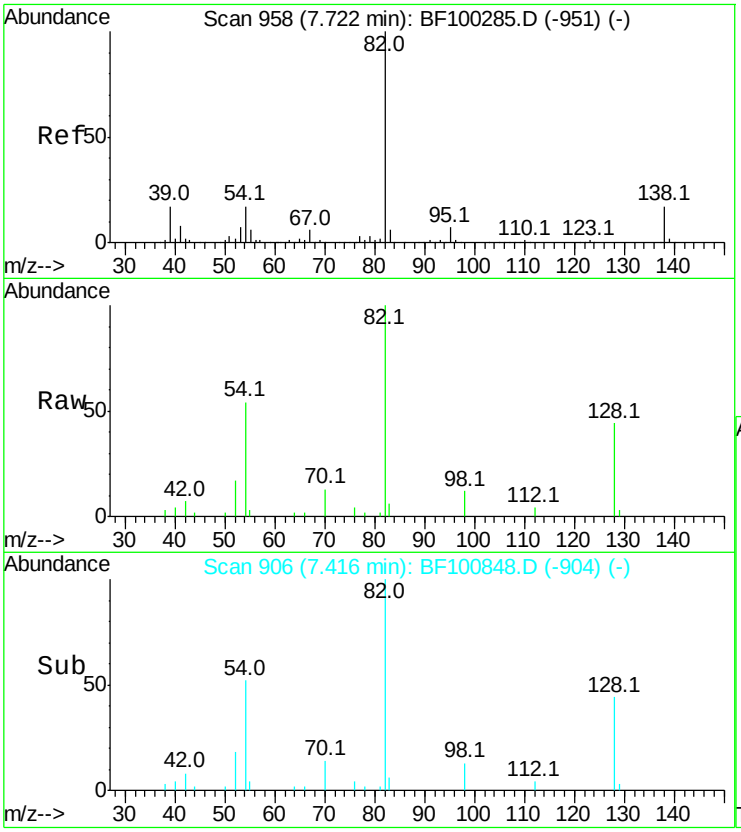




#23
Nitrobenzene-d5
Concen: 3.916 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.04 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion: 82 Resp: 15465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 36.1 | 54.1 |
| 54 | 53.7 | 41.4 | 62.2 |



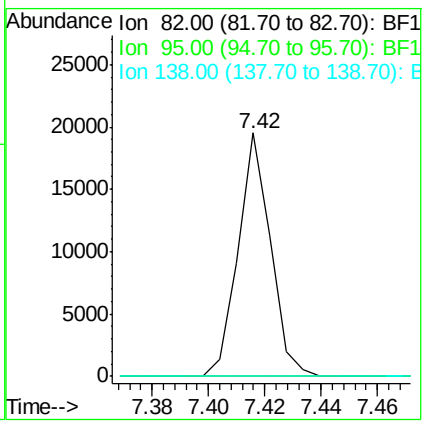


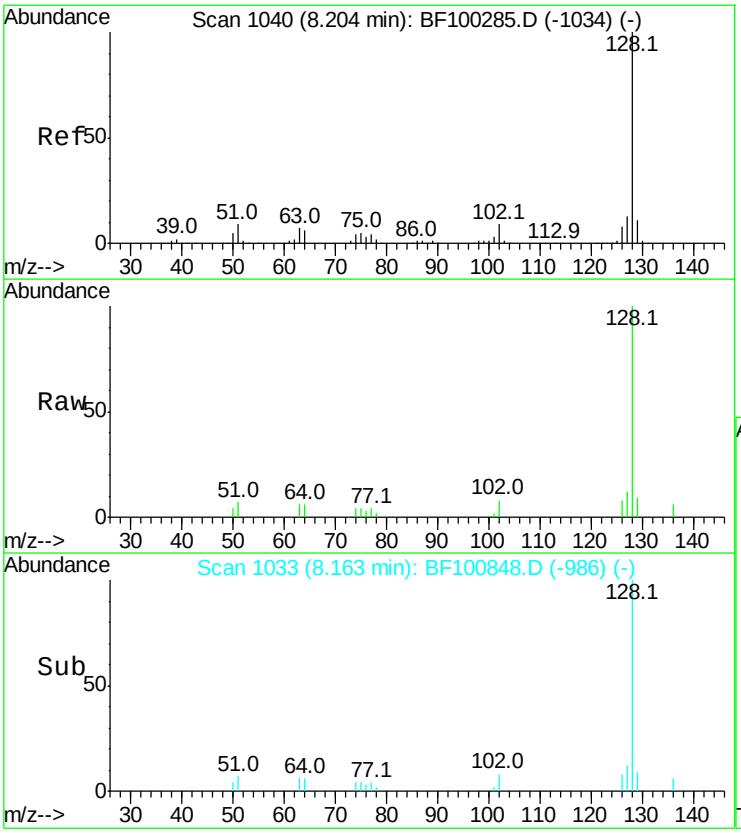

#25
Isophorone
Concen: 1.864 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.29 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 15465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

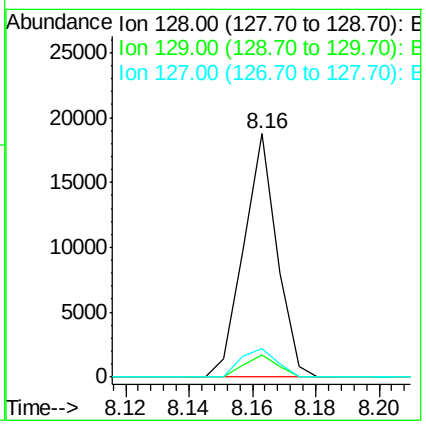


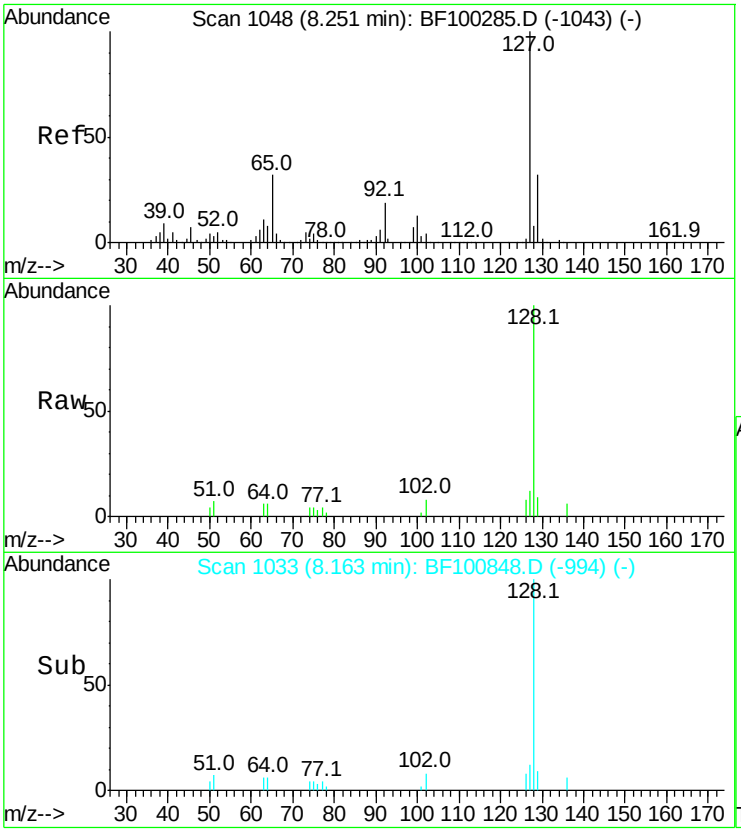




#31
Naphthalene
Concen: 1.088 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:128 Resp: 13682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.3 | 8.8 | 13.2 |
| 127 | 11.5 | 10.9 | 16.3 |



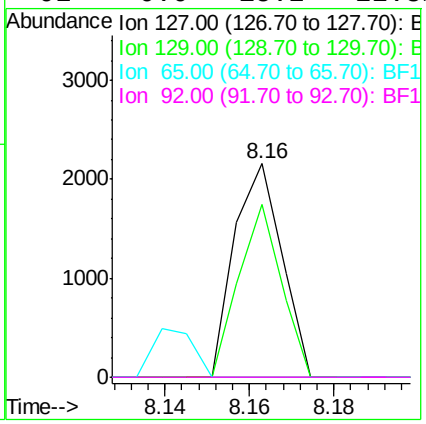


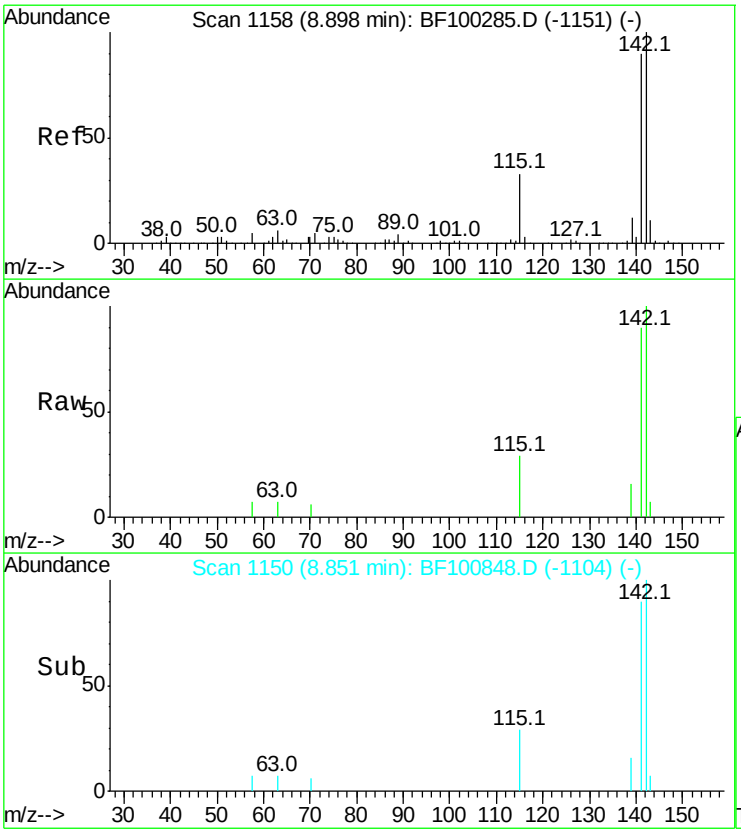

#33
4-Chloroaniline
Concen: 0.322 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.07 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:127 Resp: 1683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 81.0 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.0 | 15.2 | 22.8# |

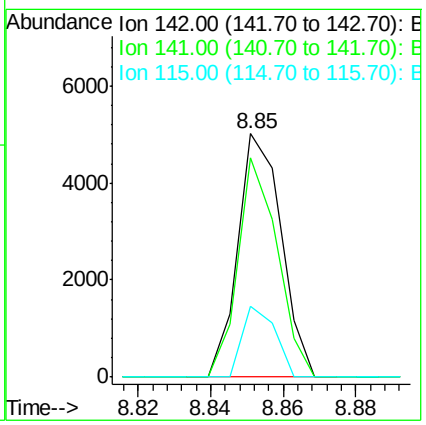


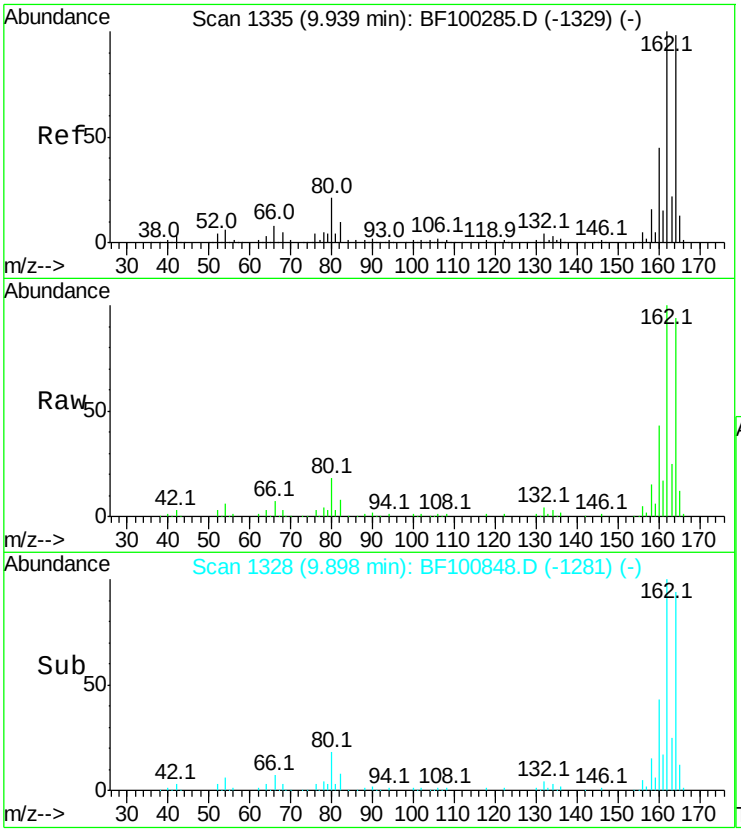




#37
2-Methylnaphthalene
Concen: 0.498 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:142 Resp: 4160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 70.8 | 106.2 |
| 115 | 29.3 | 26.1 | 39.1 |



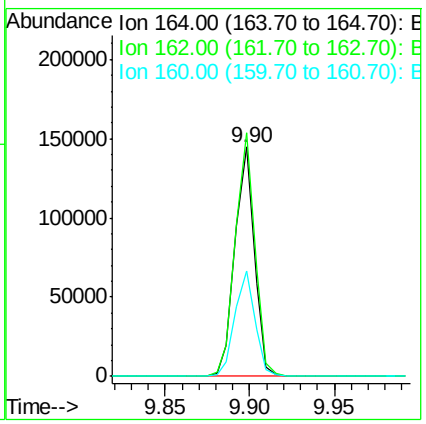


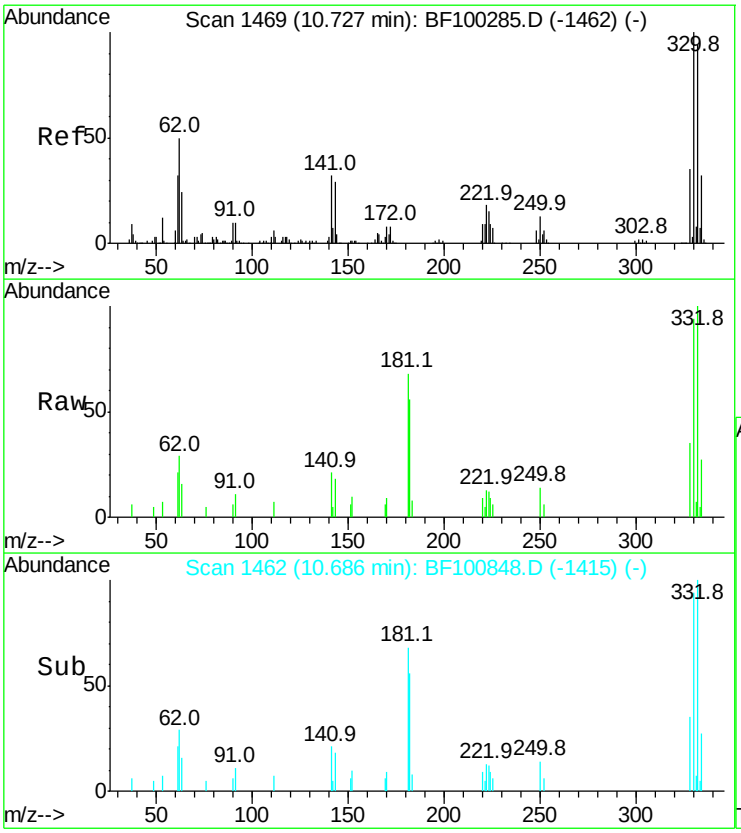

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:164 Resp: 116250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.2 | 86.1 | 129.1 |
| 160 | 45.9 | 38.3 | 57.5 |

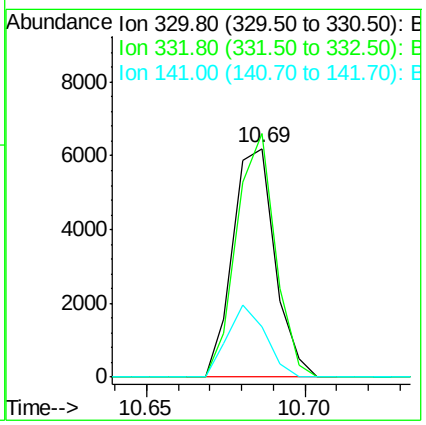


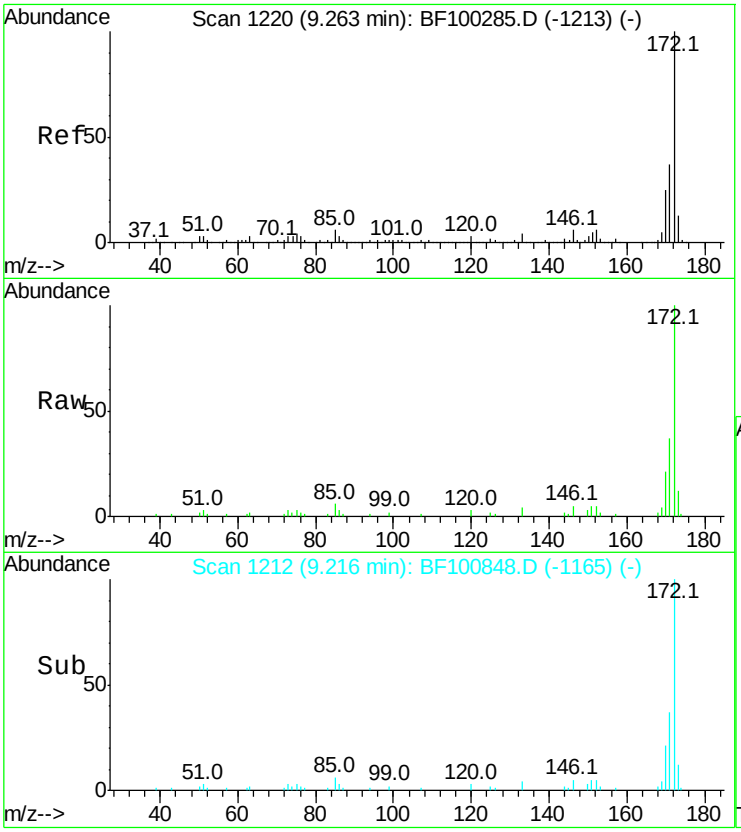




#41
2,4,6-Tribromophenol
Concen: 4.825 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:330 Resp: 5716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 77.0 | 115.6 |
| 141 | 28.3 | 29.9 | 44.9# |



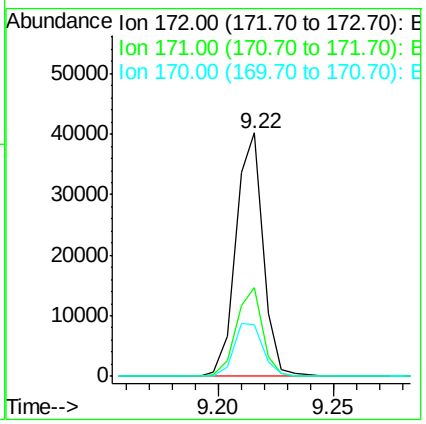


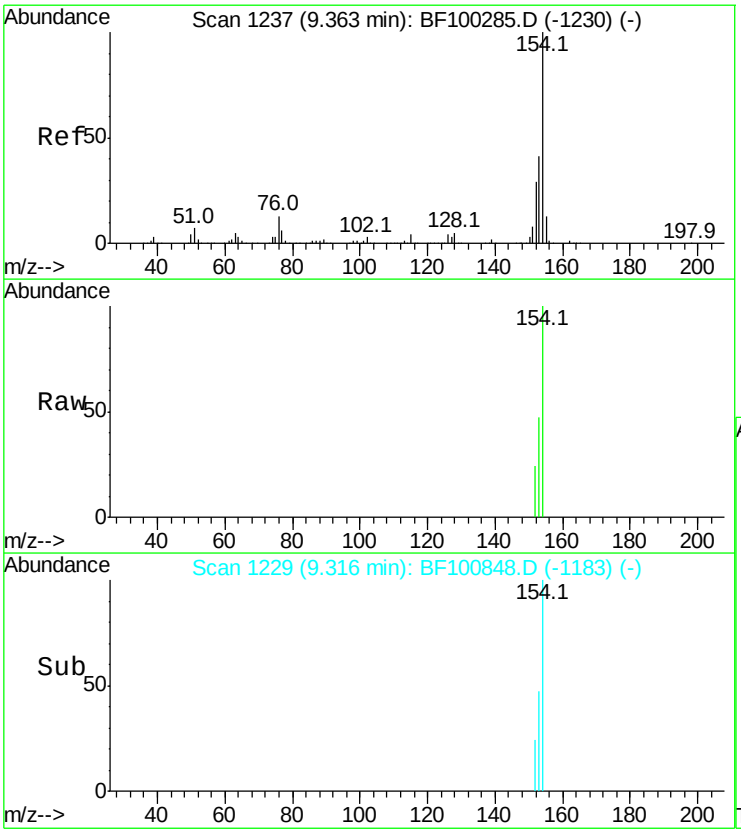

#44
2-Fluorobiphenyl
Concen: 4.337 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:172 Resp: 33111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 21.3 | 19.6 | 29.4 |

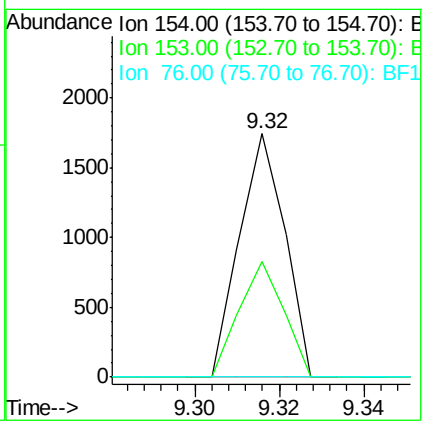


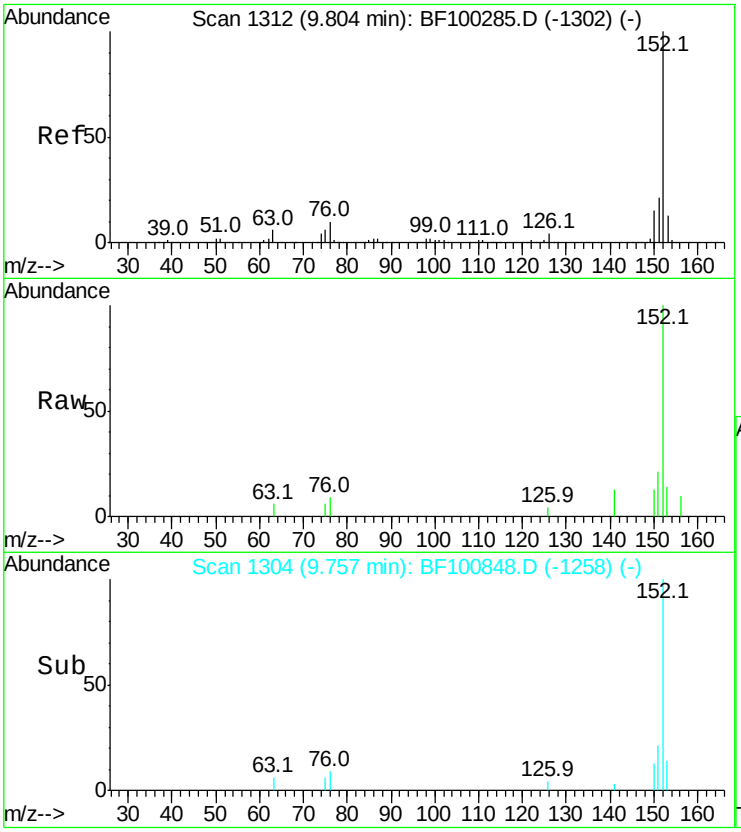




#45
1,1'-Biphenyl
Concen: 0.129 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:154 Resp: 1297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 47.5 | 21.3 | 61.3 |
| 76 | 0.0 | 0.0 | 34.0 |



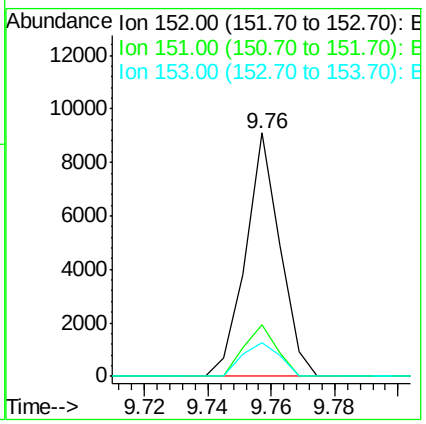


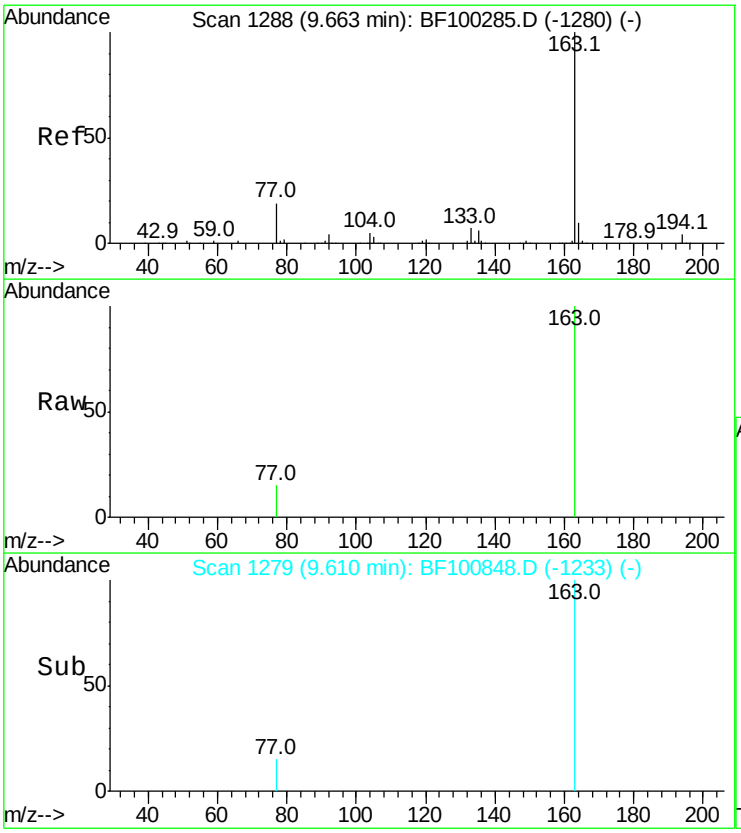

#48
Acenaphthylene
Concen: 0.567 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 6855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.4 | 16.3 | 24.5 |
| 153 | 14.0 | 10.7 | 16.1 |

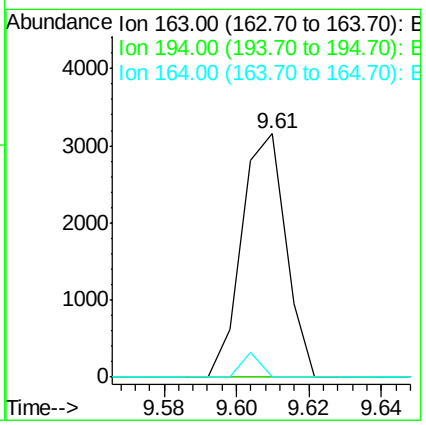


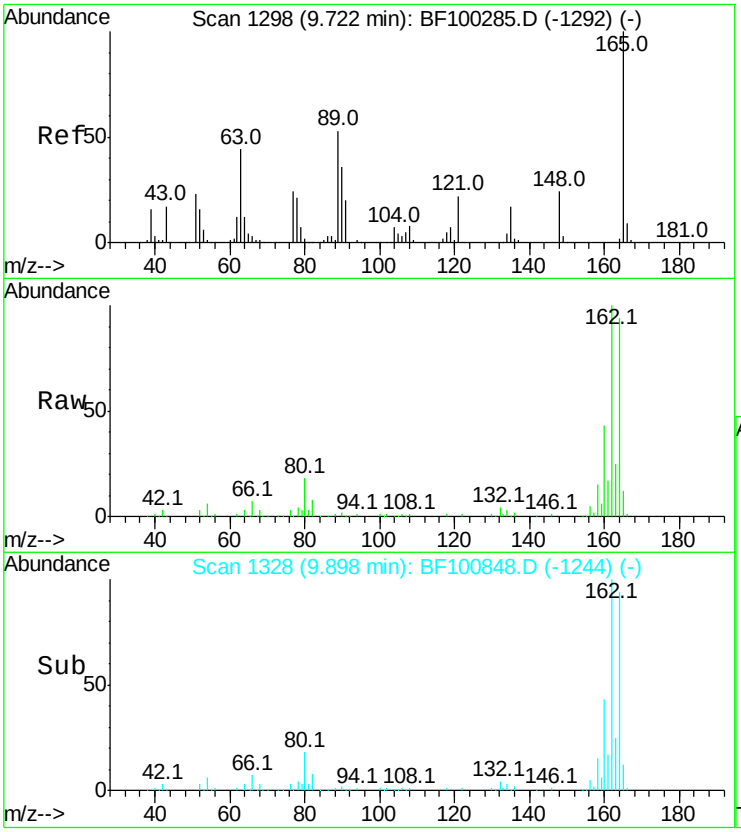




#49
Dimethylphthalate
Concen: 0.300 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:163 Resp: 2665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 0.0 | 2.7 | 4.1# |
| 164 | 0.0 | 8.2 | 12.2# |



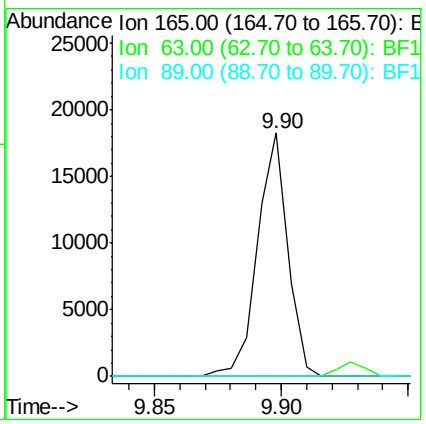


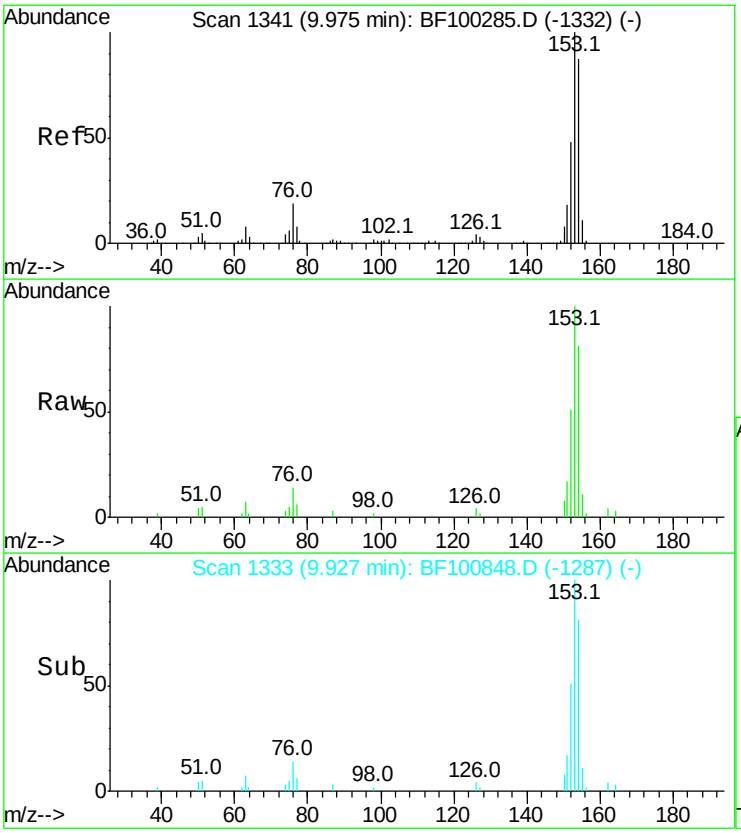

#50
2,6-Dinitrotoluene
Concen: 8.620 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:165 Resp: 15145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 44.7 | 67.1# |
| 89 | 0.0 | 44.0 | 66.0# |

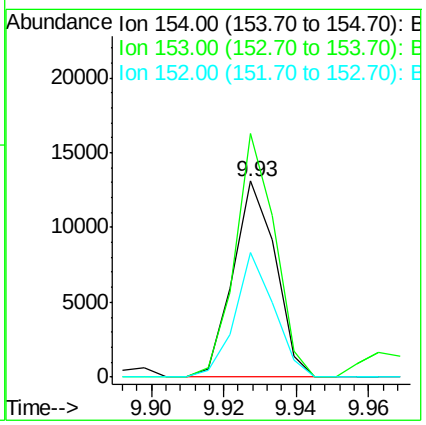


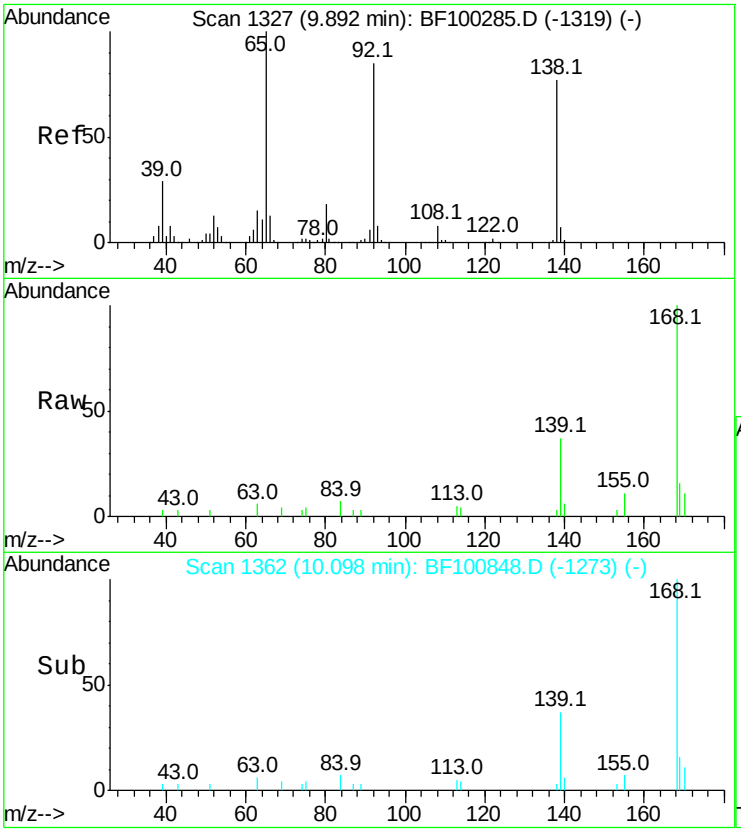




#51
Acenaphthene
Concen: 1.453 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:154 Resp: 10682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 124.2 | 91.2 | 136.8 |
| 152 | 63.8 | 43.8 | 65.8 |



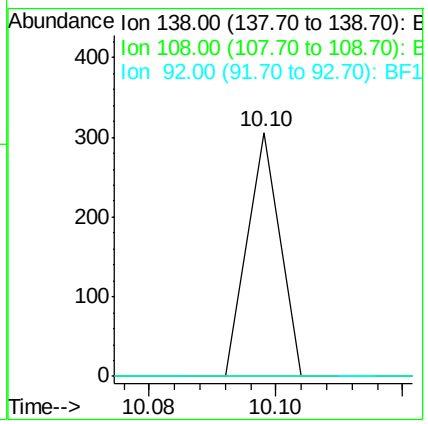


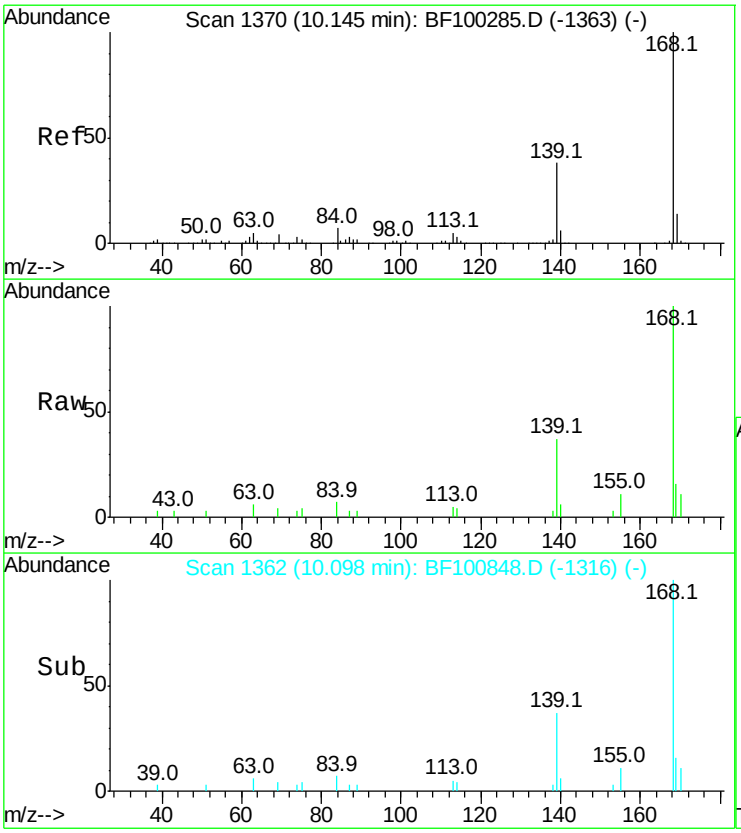

#52
3-Nitroaniline
Concen: 0.052 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.22 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:138 Resp: 108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 0.0 | 9.4 | 14.0# |
| 92 | 0.0 | 89.4 | 134.2# |

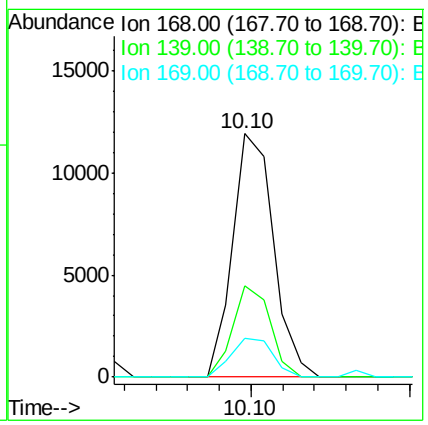


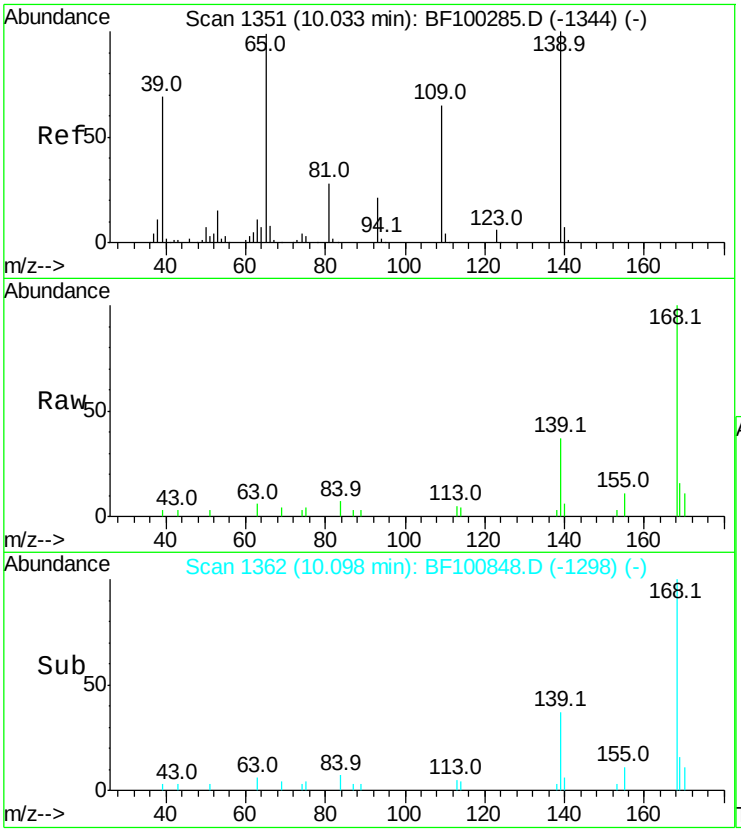




#54
Dibenzofuran
Concen: 1.028 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:168 Resp: 10597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 30.1 | 45.1 |
| 169 | 16.1 | 10.9 | 16.3 |



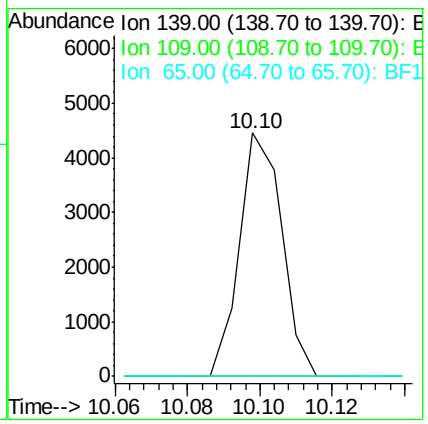


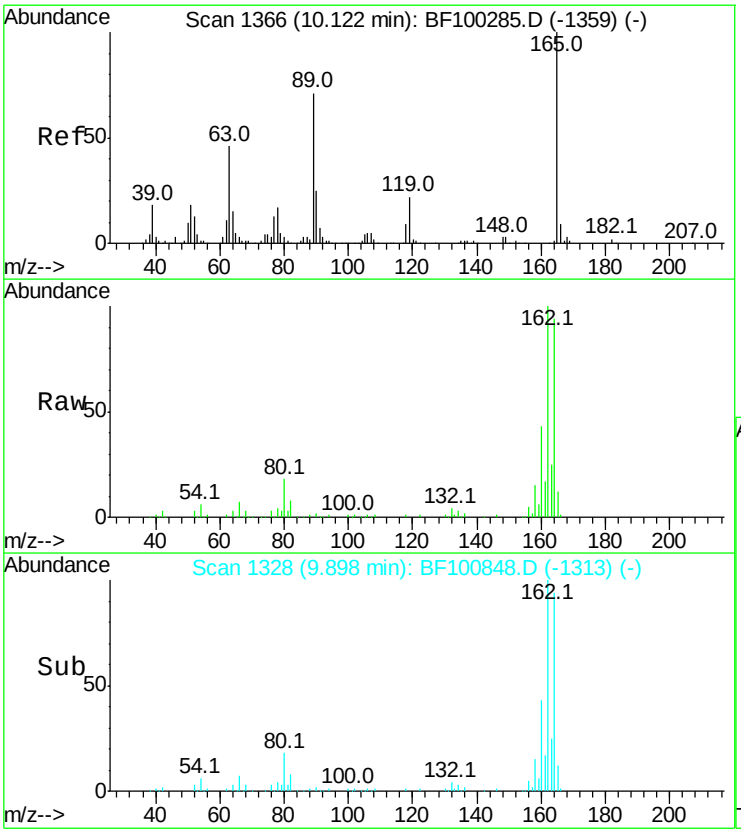

#55
4-Nitrophenol
Concen: 2.144 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.08 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:139 Resp: 3612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 48.4 | 88.4# |
| 65 | 0.0 | 72.6 | 112.6# |

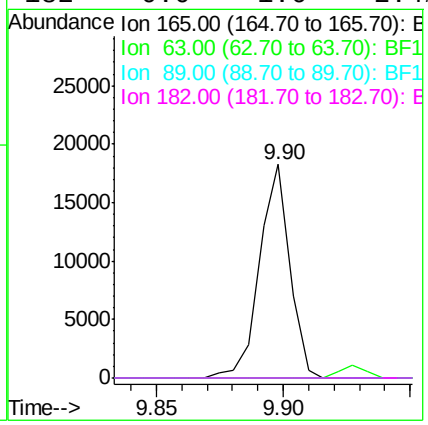


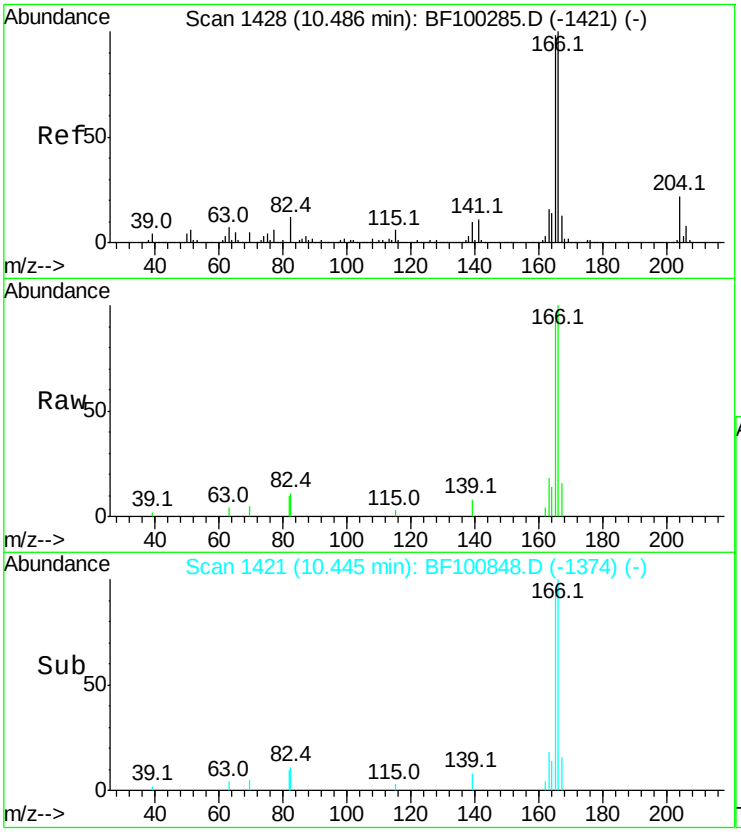




#56
2,4-Dinitrotoluene
Concen: 6.833 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.21 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:165 Resp: 15145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 36.4 | 54.6# |
| 89 | 0.0 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



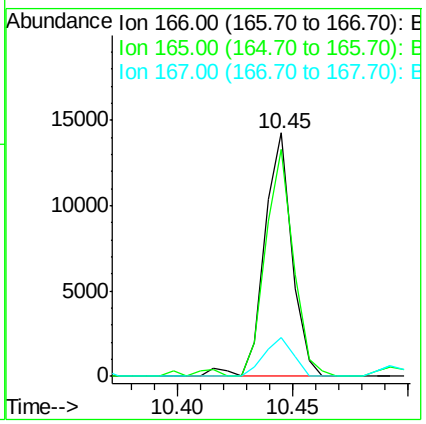


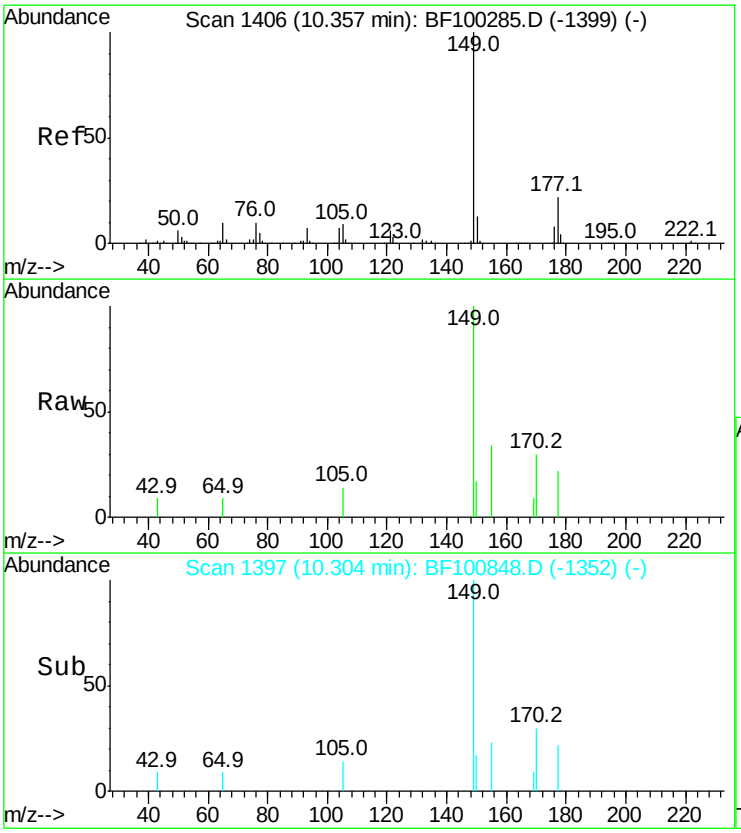

#57
Fluorene
Concen: 1.567 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:166 Resp: 11829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.1 | 79.8 | 119.8 |
| 167 | 16.1 | 10.6 | 16.0# |

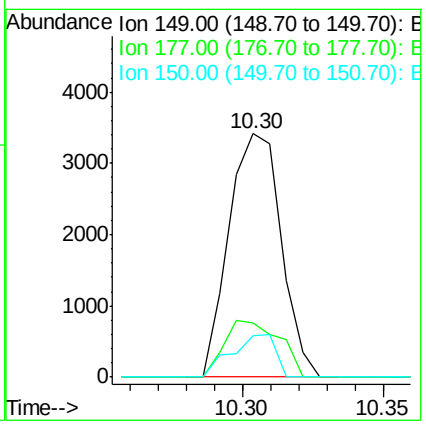


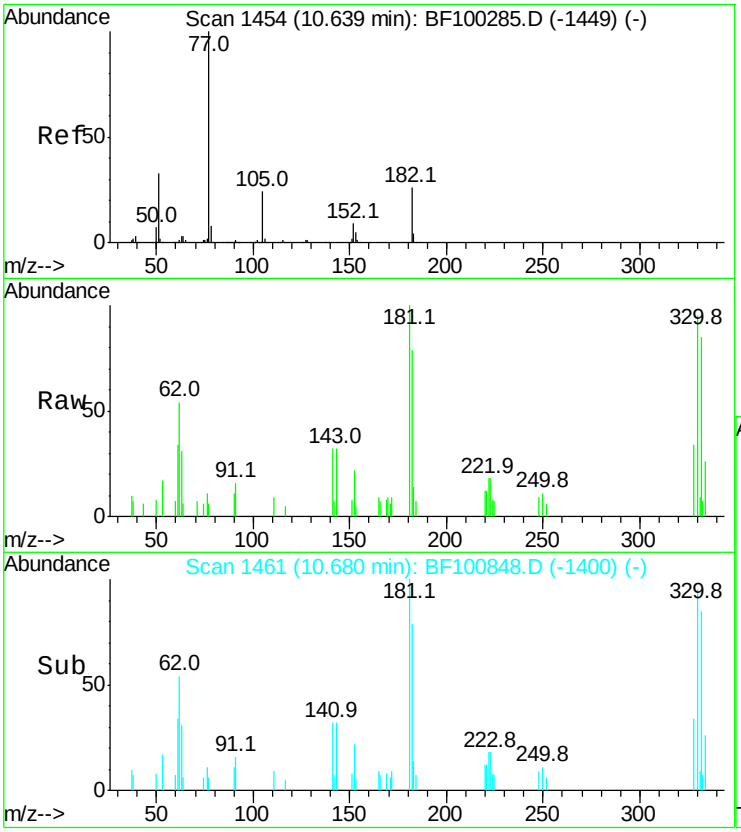




#59
Diethylphthalate
Concen: 0.494 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.04 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:149 Resp: 4392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 16.1 | 24.1 |
| 150 | 16.9 | 10.1 | 15.1# |



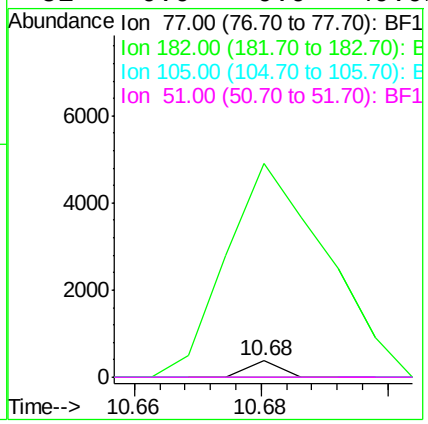


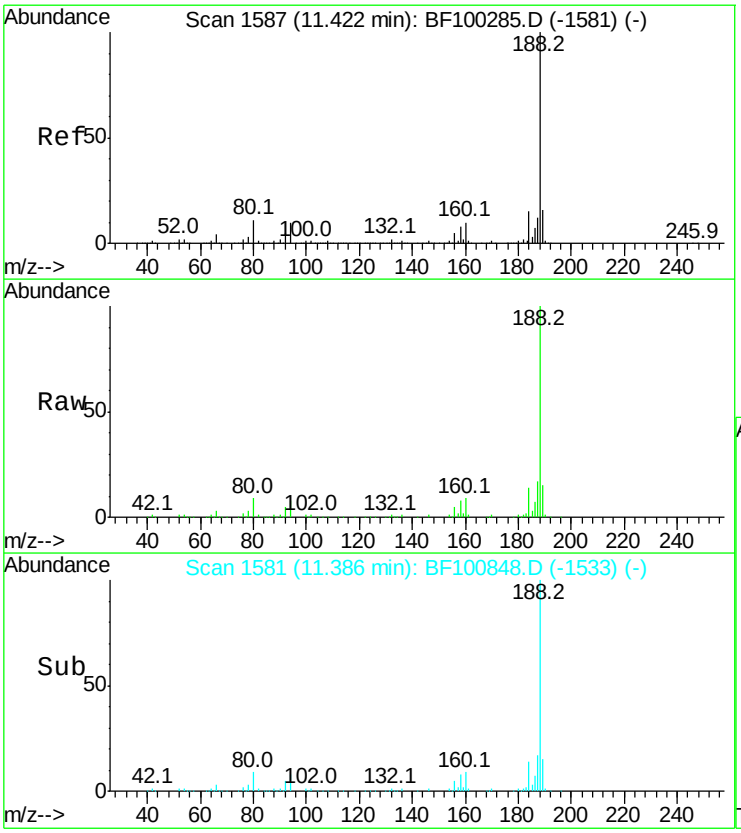

#62
Azobenzene
Concen: 0.016 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.06 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 77 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 1321.0 | 1.7 | 41.7# |
| 105 | 0.0 | 3.0 | 43.0# |
| 51 | 0.0 | 9.9 | 49.9# |

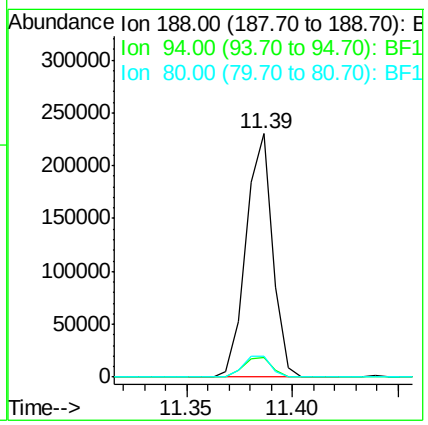


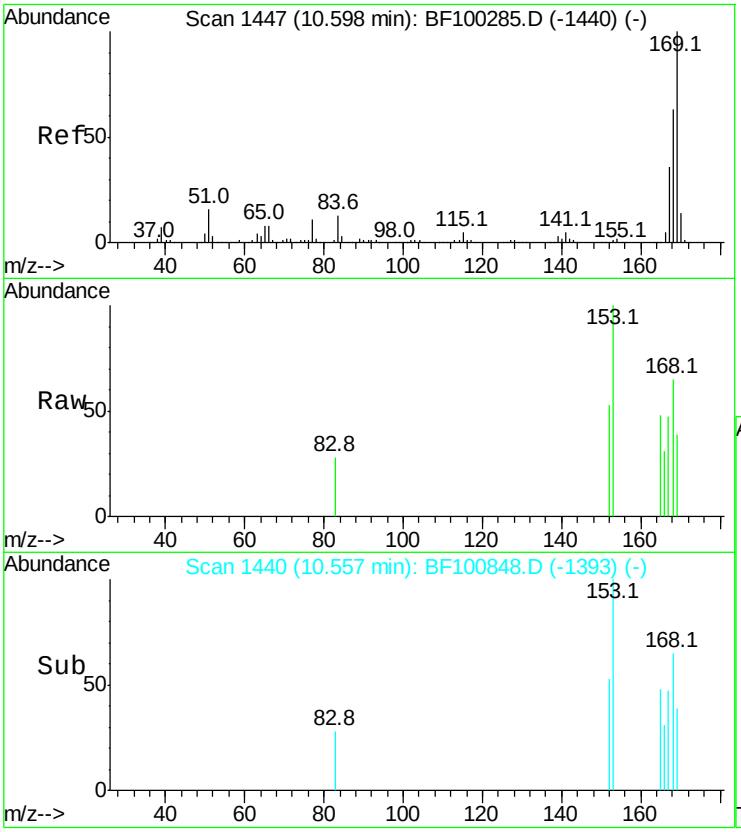




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:188 Resp: 200681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 8.5 | 12.7# |
| 80 | 8.8 | 9.2 | 13.8# |



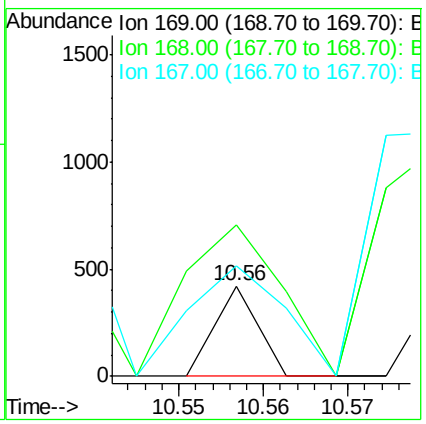


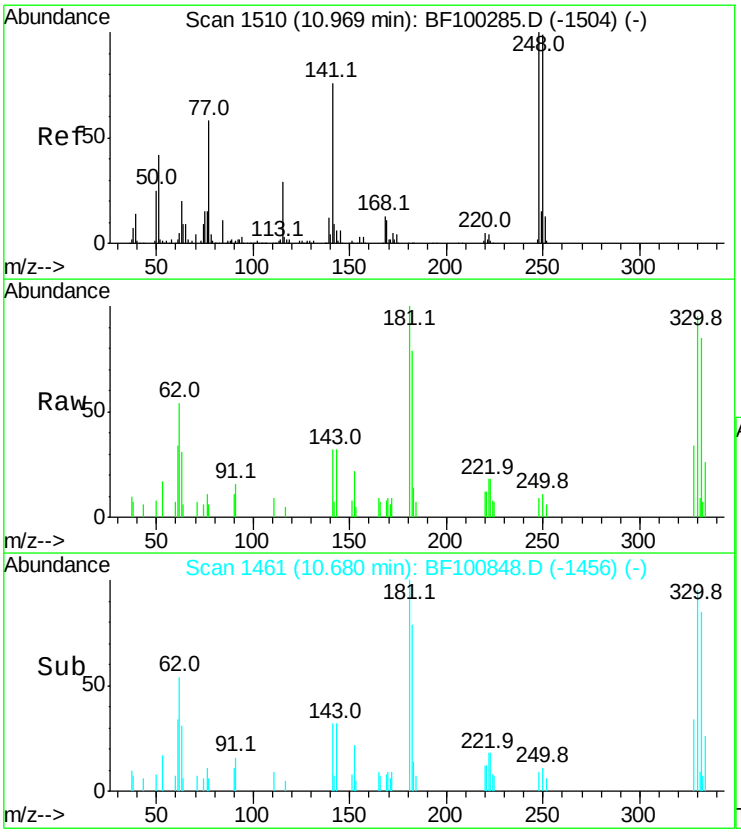

#65
n-Nitrosodiphenylamine
Concen: 0.021 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:169 Resp: 149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 166.8 | 54.4 | 81.6# |
| 167 | 121.6 | 29.8 | 44.6# |

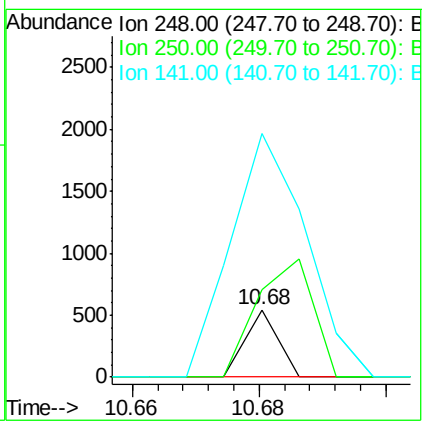


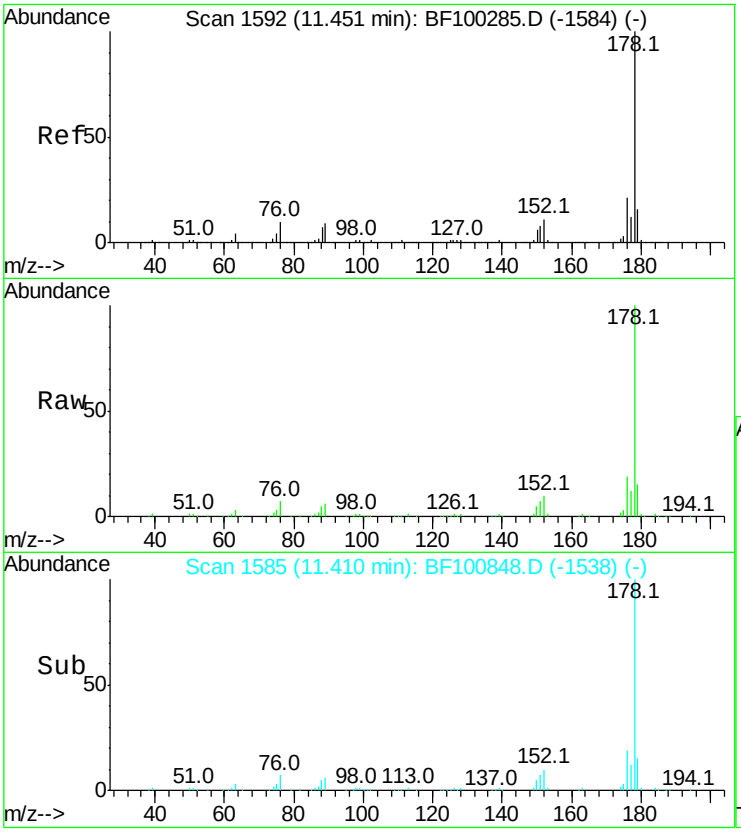




#66
4-Bromophenyl-phenylether
Concen: 0.089 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.27 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:248 Resp: 191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 129.6 | 76.9 | 115.3# |
| 141 | 363.4 | 74.4 | 111.6# |



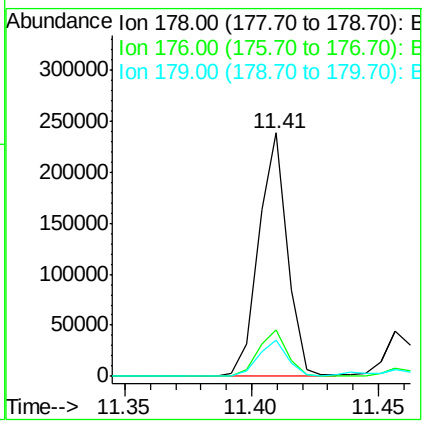


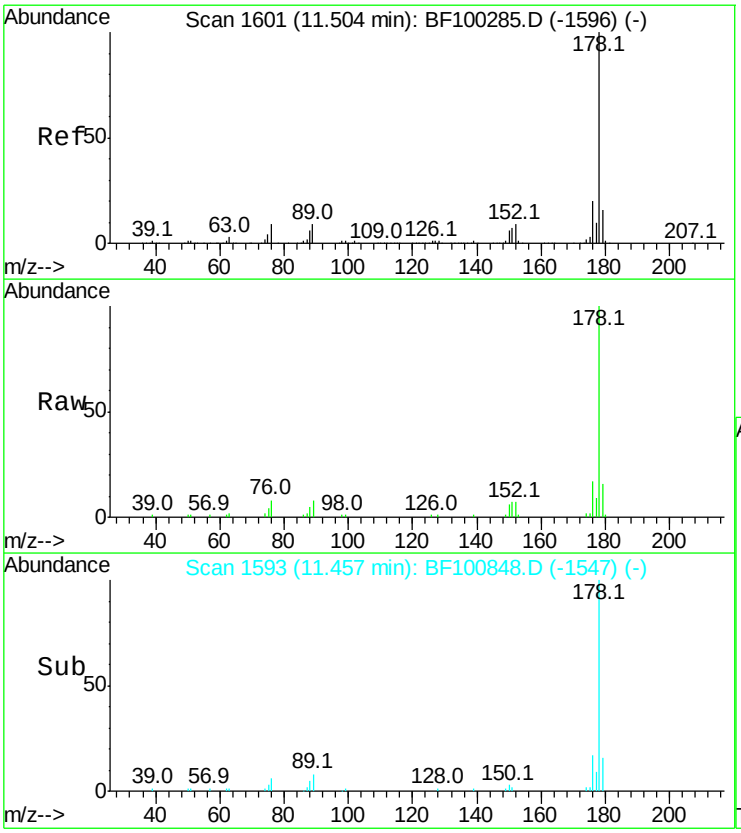

#70
Phenanthrene
Concen: 17.722 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:178 Resp: 187255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.8 | 23.8 |
| 179 | 15.0 | 13.0 | 19.6 |

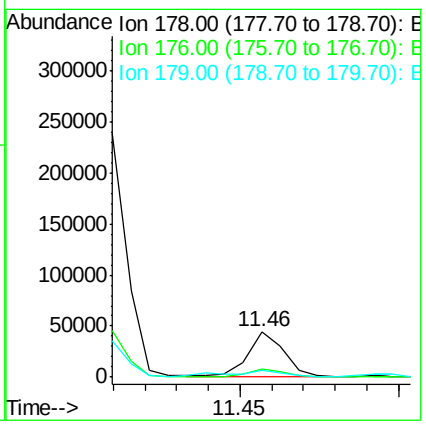


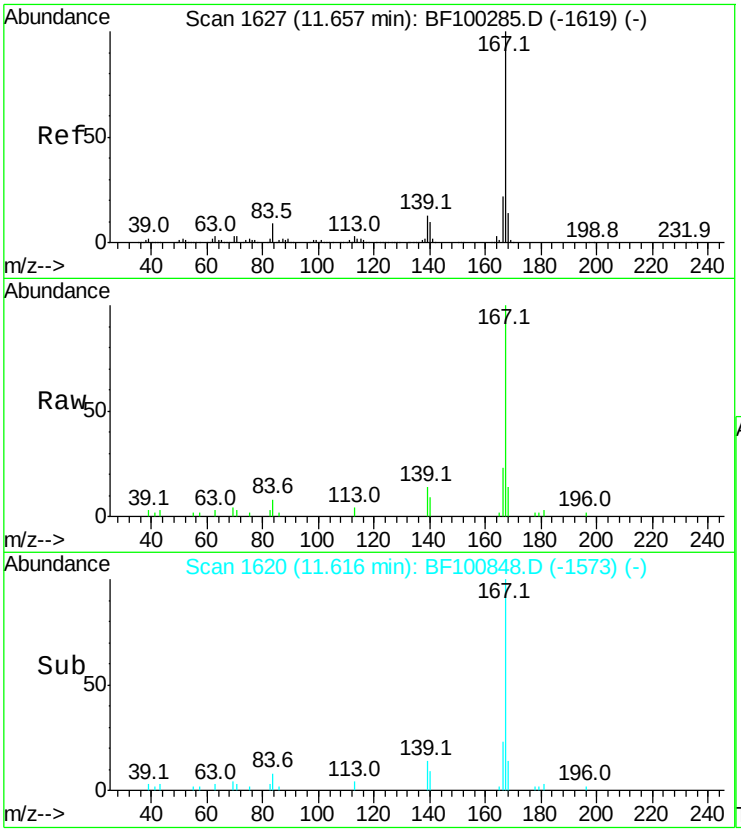




#71
Anthracene
Concen: 3.262 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:178 Resp: 34972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.2 | 15.4 | 23.2 |
| 179 | 15.5 | 12.6 | 19.0 |



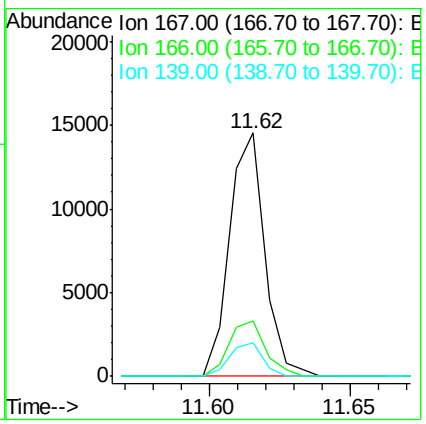


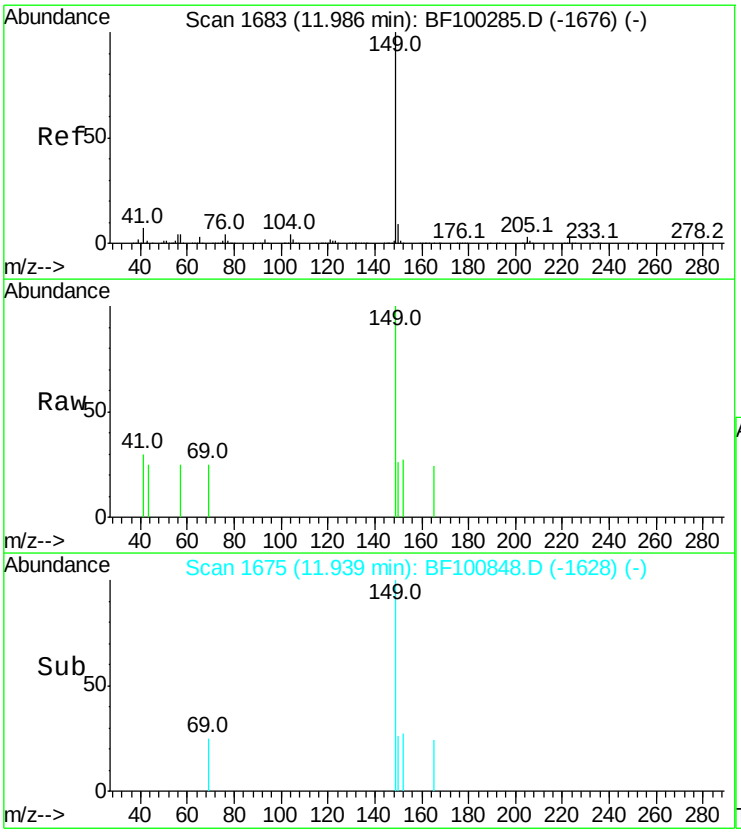

#72
Carbazole
Concen: 1.273 ng
RT: 11.62 min Scan# 1620
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:167 Resp: 12591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.5 | 17.6 | 26.4 |
| 139 | 13.9 | 10.9 | 16.3 |

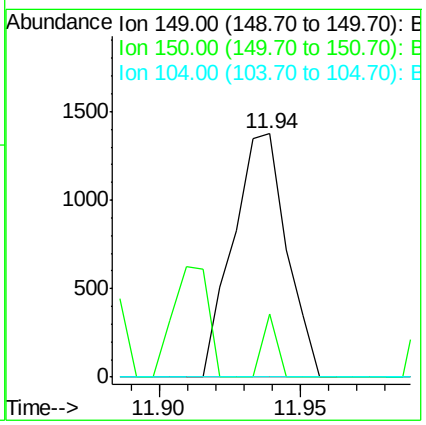


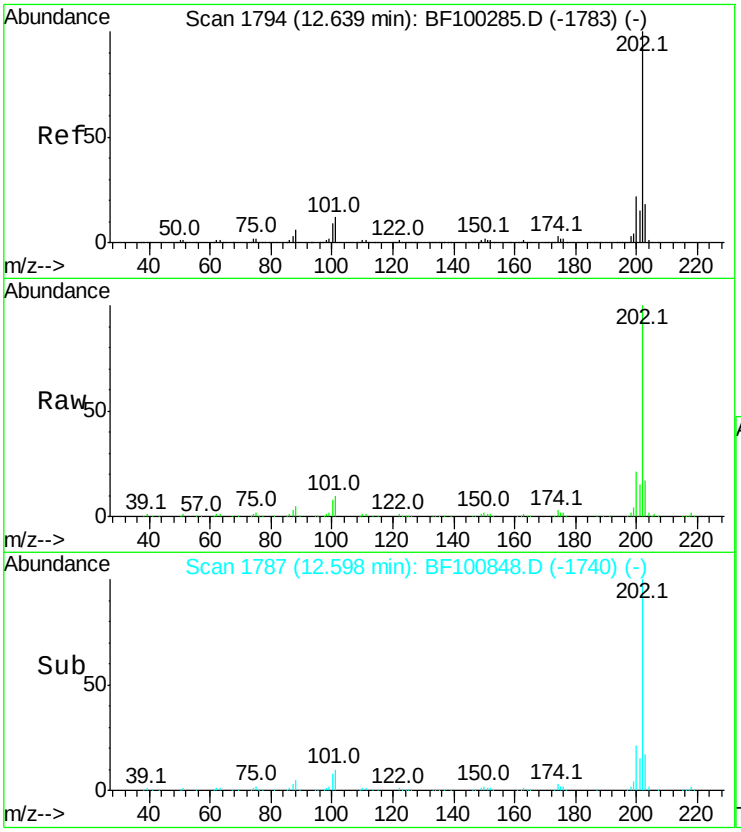




#73
Di-n-butylphthalate
Concen: 0.156 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:149 Resp: 1809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 25.8 | 7.8 | 11.6# |
| 104 | 0.0 | 3.8 | 5.8# |



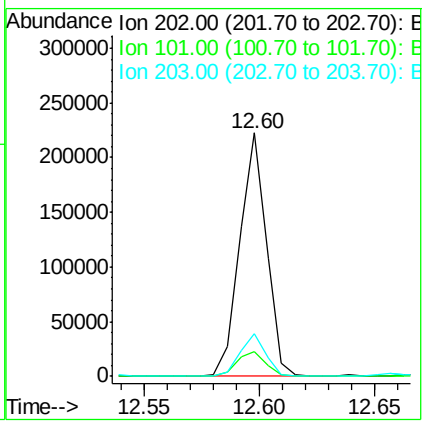


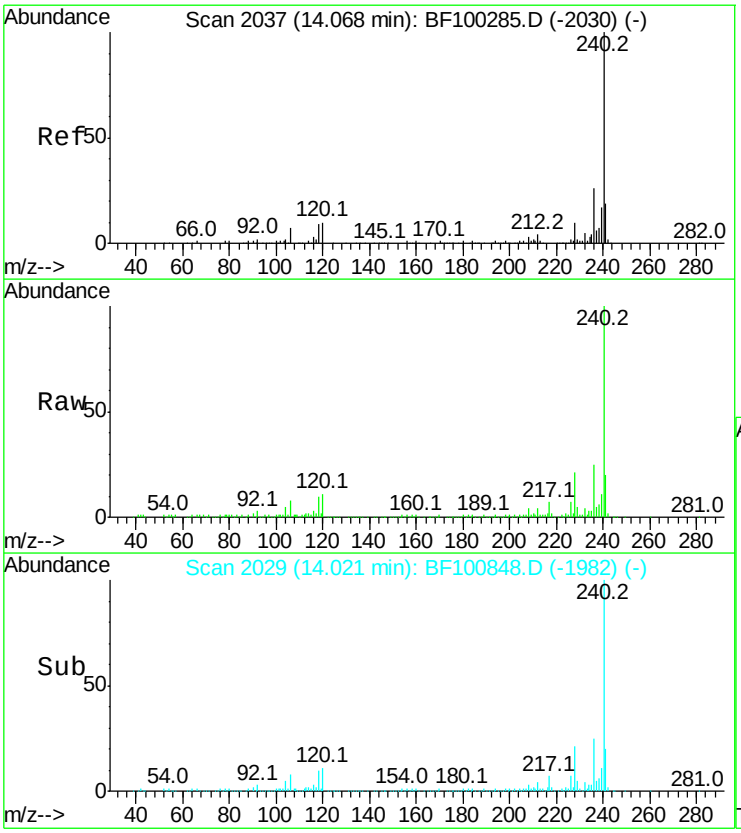

#74
Fluoranthene
Concen: 16.174 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:202 Resp: 181118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 34.1 |
| 203 | 17.3 | 0.0 | 38.1 |

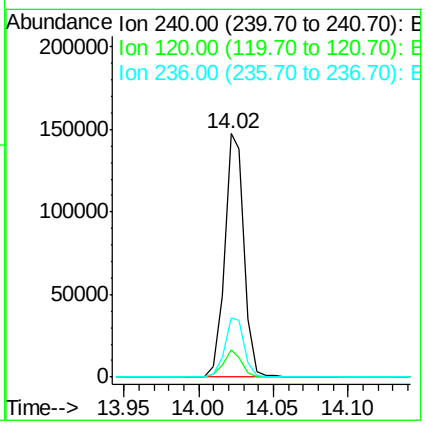


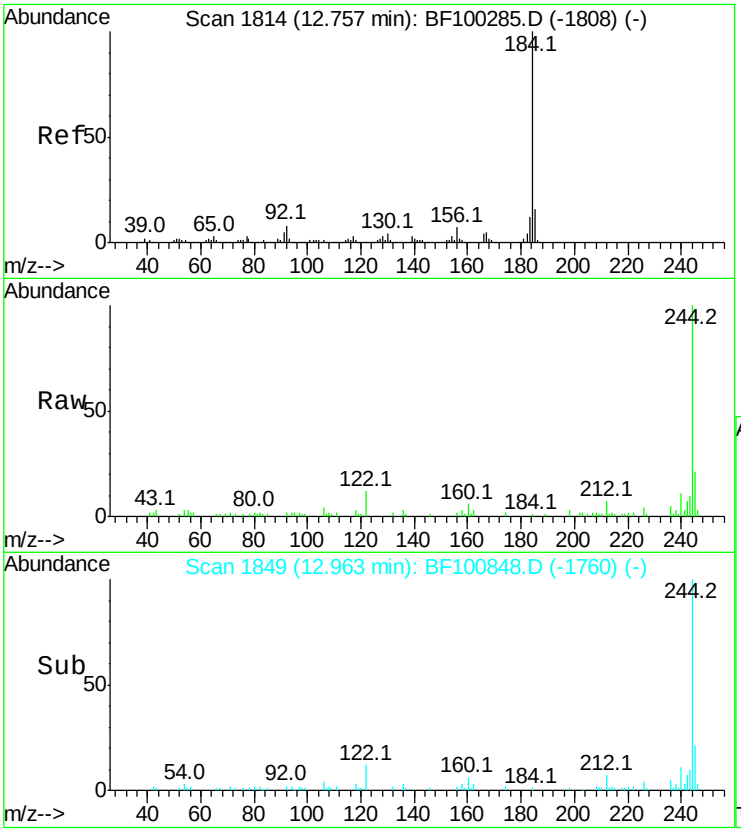




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:240 Resp: 135649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 9.5 | 14.3 |
| 236 | 24.5 | 20.7 | 31.1 |



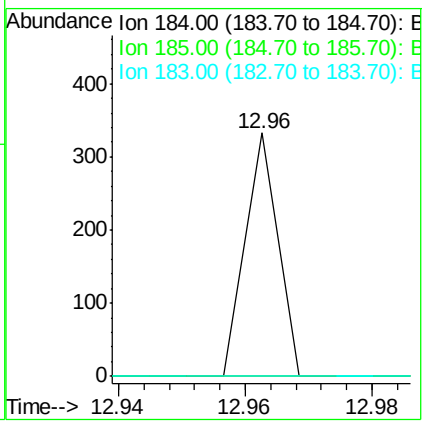


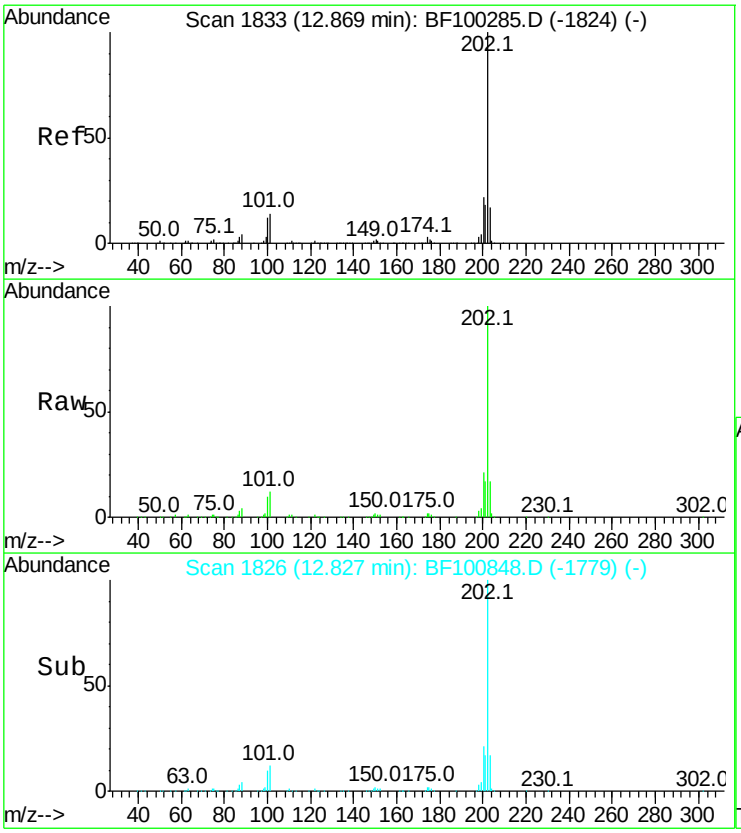

#76
Benzidine
Concen: 0.022 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.22 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:184 Resp: 118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 0.0 | 12.6 | 18.8# |
| 183 | 0.0 | 9.3 | 13.9# |

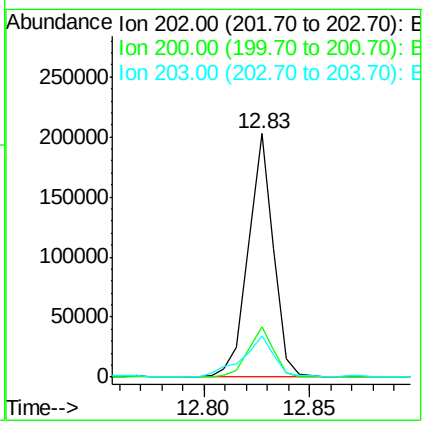


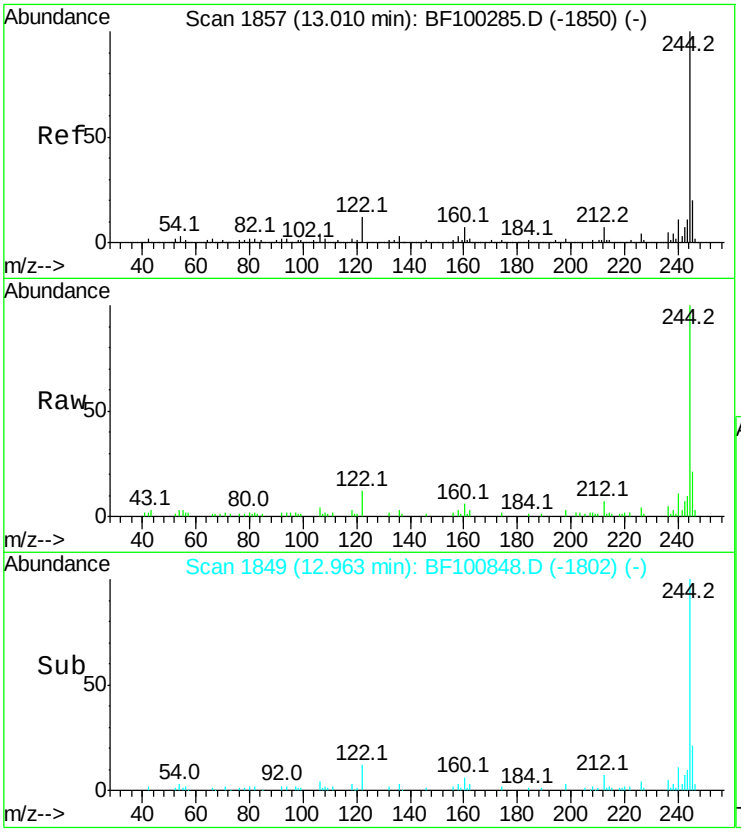




#77
Pyrene
Concen: 17.410 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:202 Resp: 168348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.4 | 26.2 |
| 203 | 17.0 | 14.3 | 21.5 |



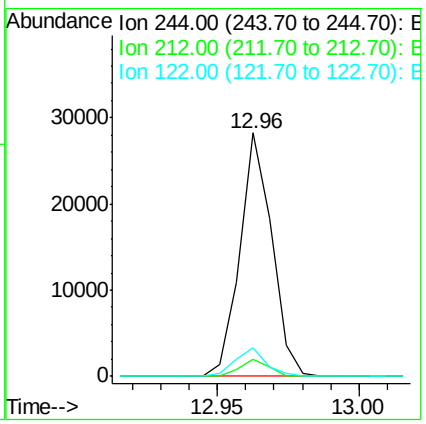


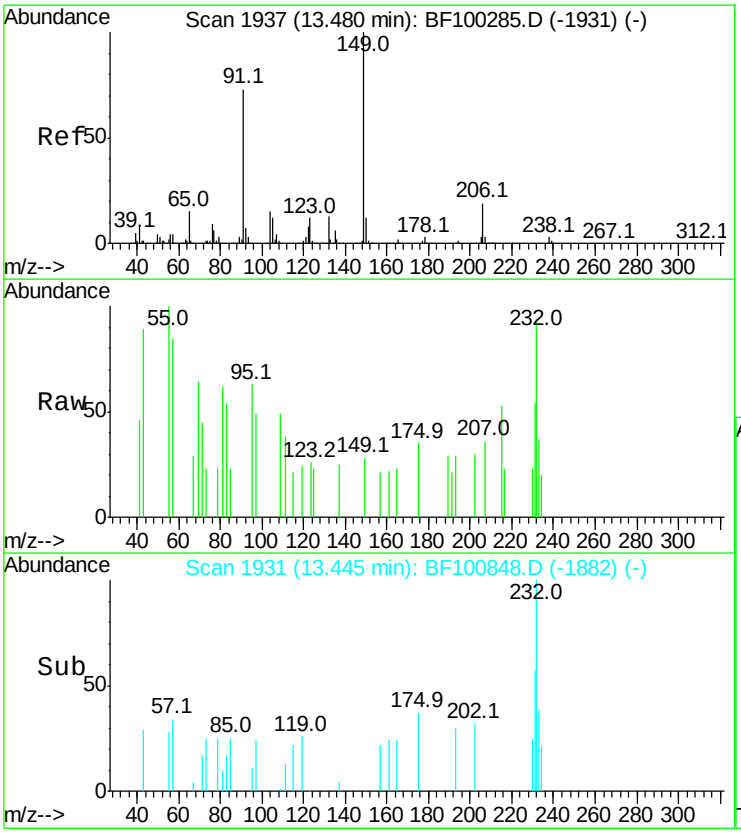

#78
Terphenyl-d14
Concen: 3.758 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:244 Resp: 22188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 12.0 | 11.0 | 16.4 |

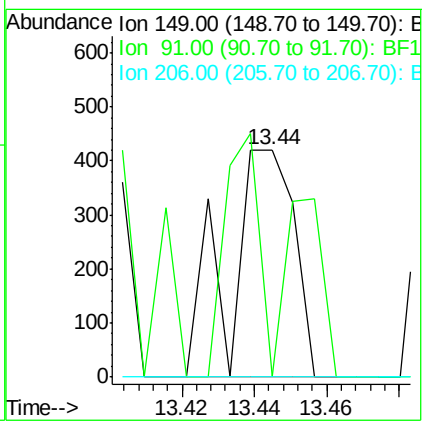


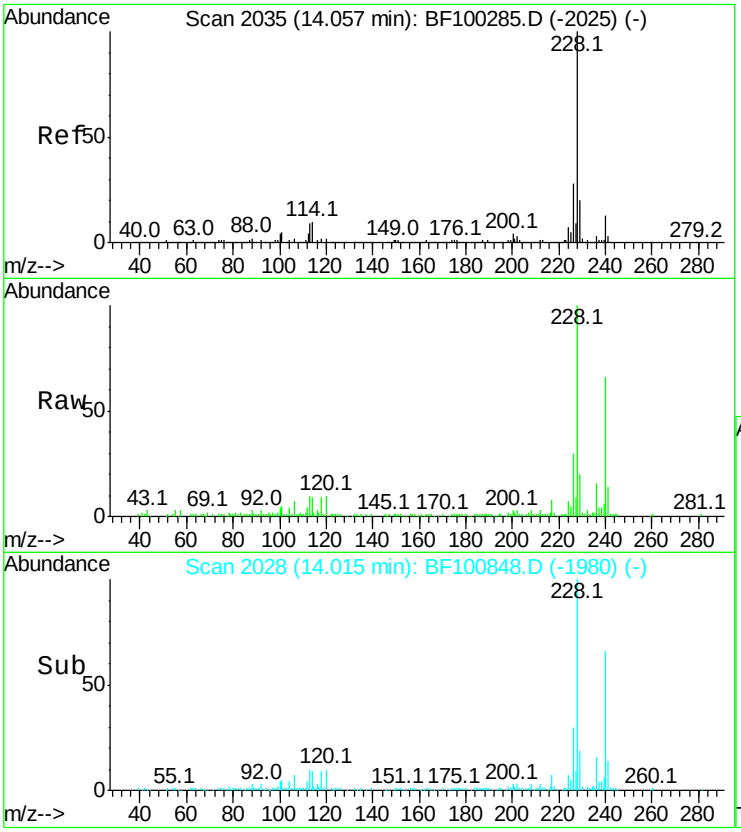




#79
Butylbenzylphthalate
Concen: 0.134 ng
RT: 13.44 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:149 Resp: 527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 0.0 | 56.8 | 85.2# |
| 206 | 0.0 | 14.1 | 21.1# |



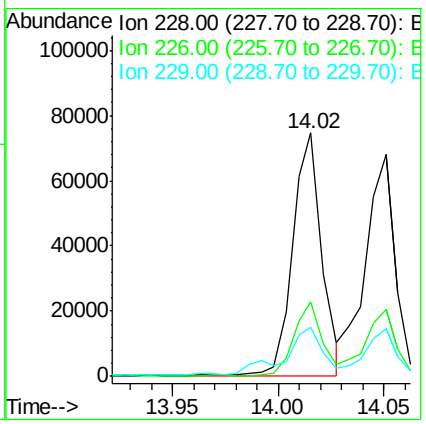


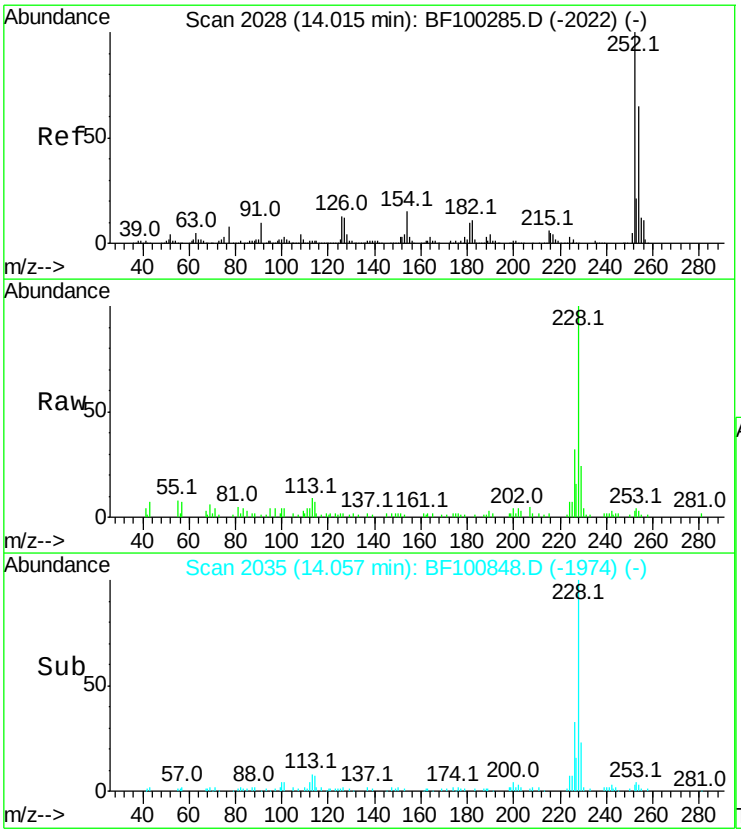

#80
Benzo(a)anthracene
Concen: 8.834 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:228 Resp: 72163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 22.6 | 33.8 |
| 229 | 19.9 | 15.8 | 23.6 |

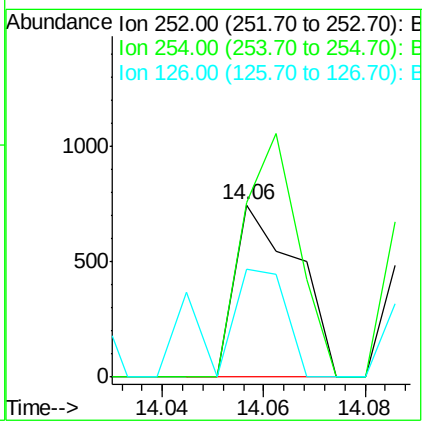


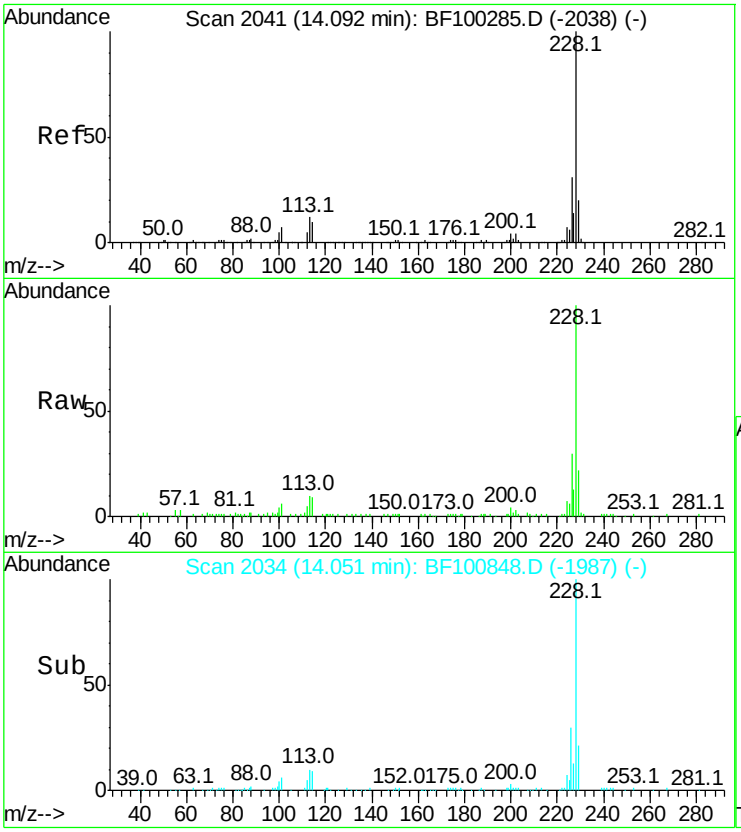




#81
3,3'-Dichlorobenzidine
Concen: 0.216 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.06 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:252 Resp: 632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 101.3 | 50.4 | 75.6# |
| 126 | 62.3 | 11.3 | 16.9# |



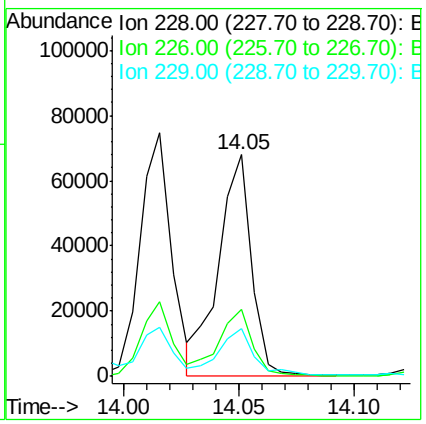


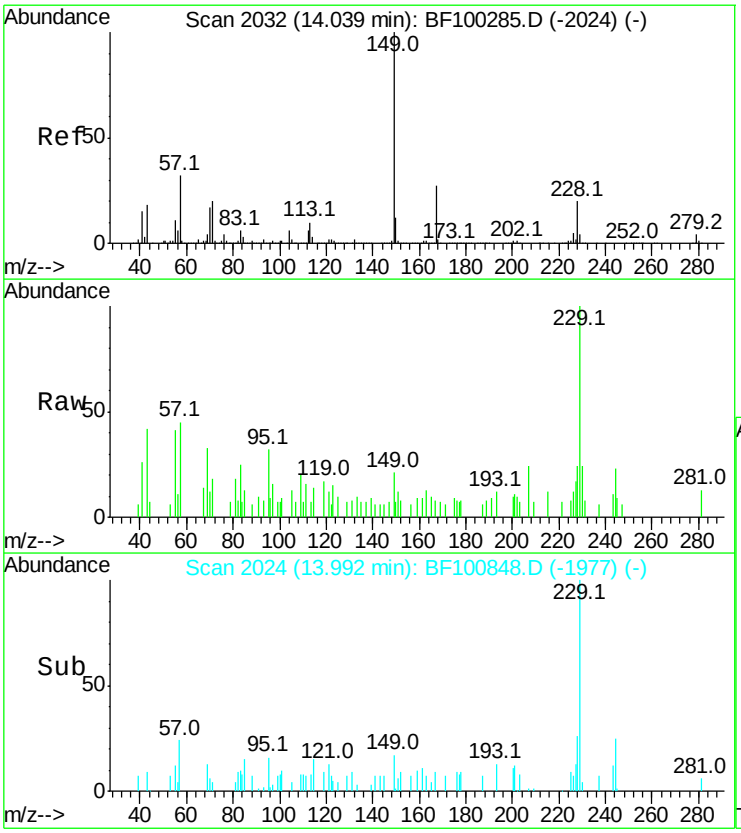

#82
Chrysene
Concen: 8.613 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:228 Resp: 68134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 25.0 | 37.6 |
| 229 | 21.7 | 16.2 | 24.4 |

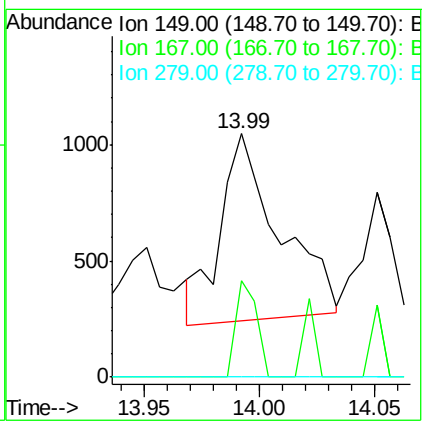


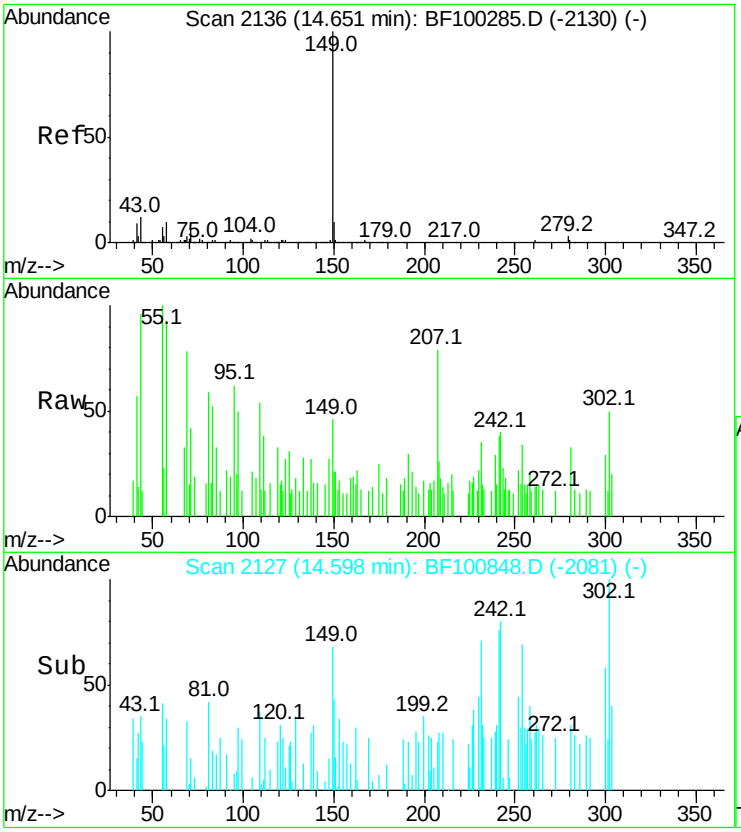




#83
Bis(2-ethylhexyl)phthalate
Concen: 0.275 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:149 Resp: 1428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 39.6 | 21.3 | 31.9# |
| 279 | 0.0 | 3.0 | 4.4# |



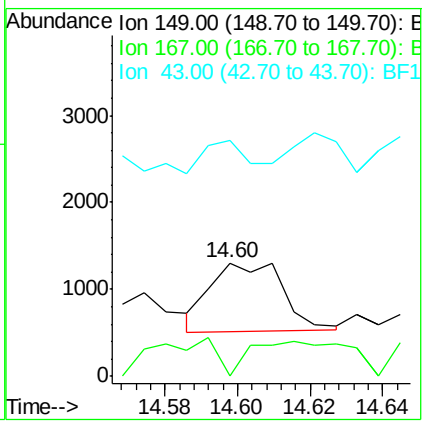


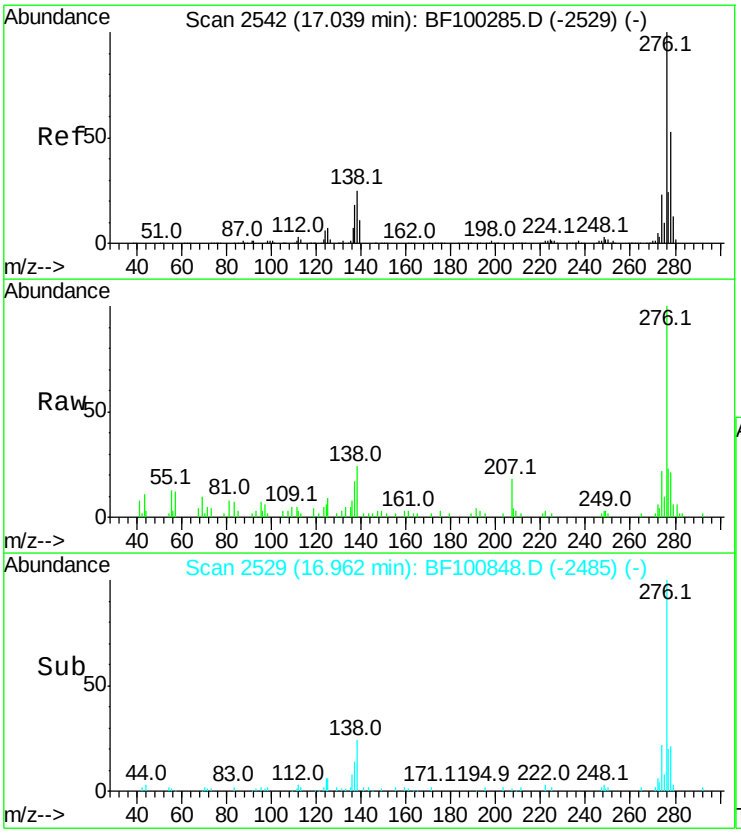

#84
Di-n-octyl phthalate
Concen: 0.120 ng
RT: 14.60 min Scan# 2127
Delta R.T. -0.03 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:149 Resp: 1071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 47.2 | 1.2 | 1.8# |
| 43 | 45.3 | 8.4 | 12.6# |

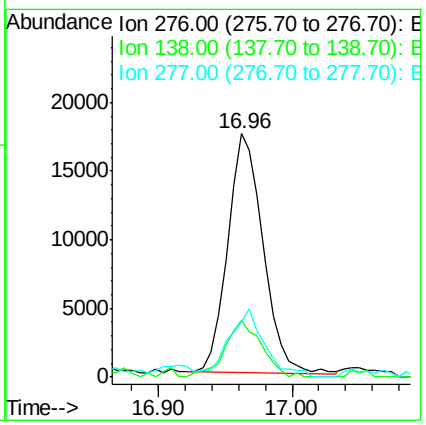


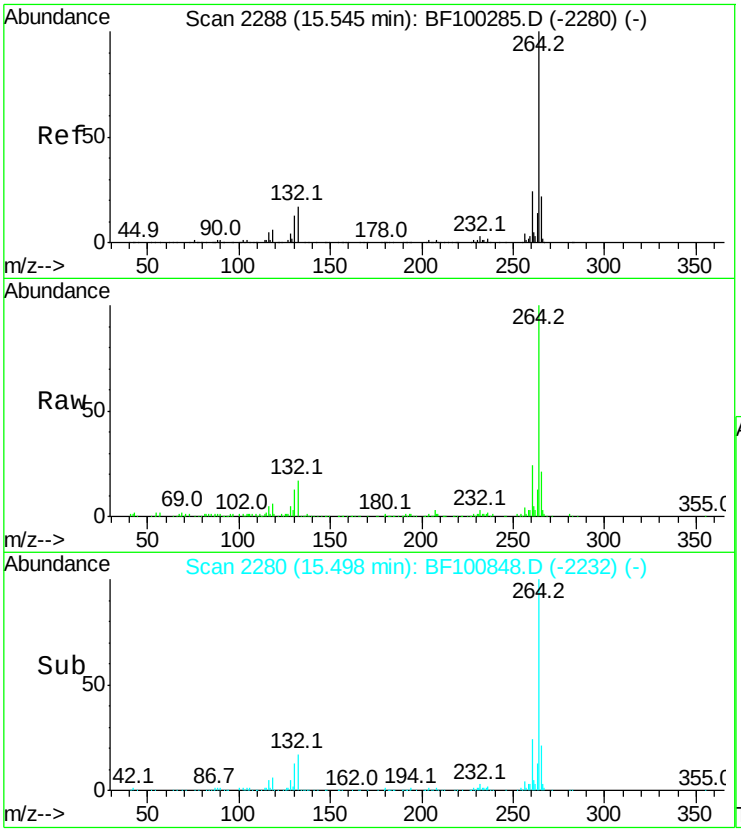




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.010 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.04 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:276 Resp: 32056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.7 | 25.0 | 37.6# |
| 277 | 29.2 | 20.1 | 30.1 |



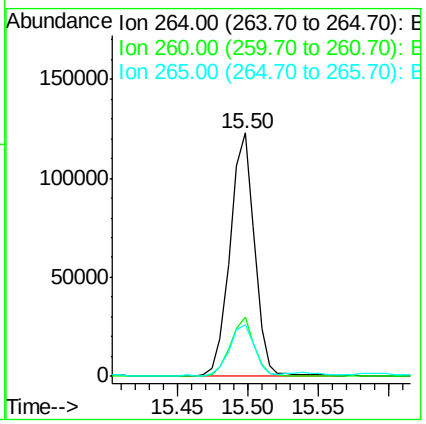


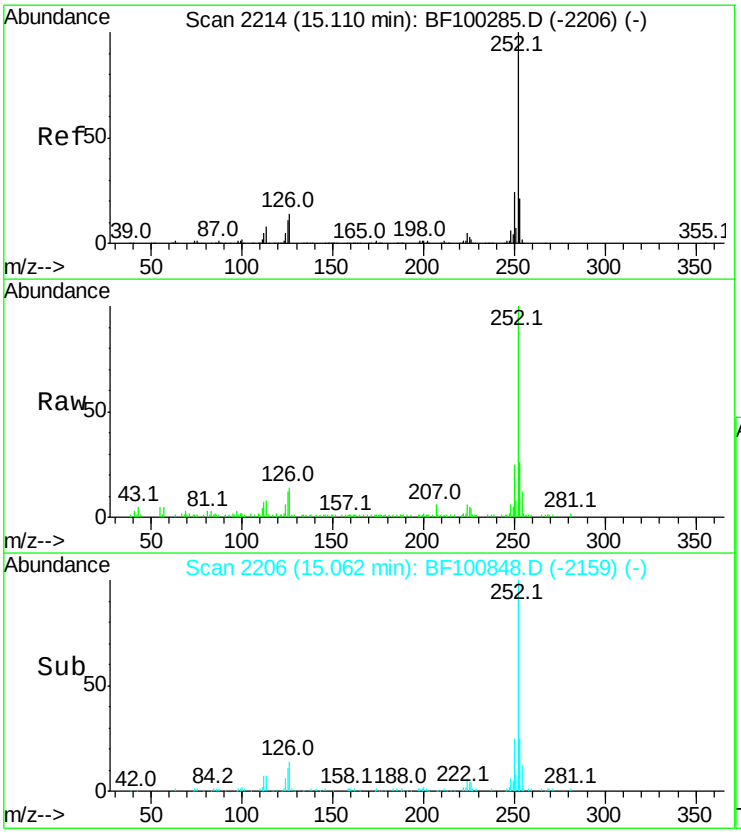

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:264 Resp: 148981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |

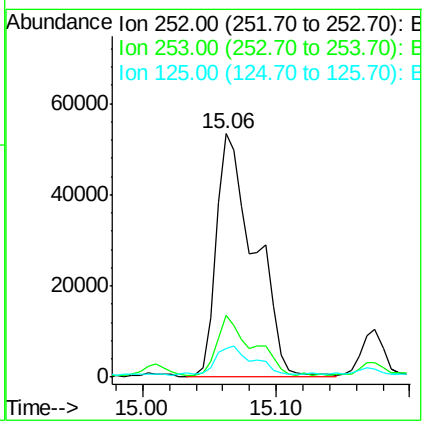


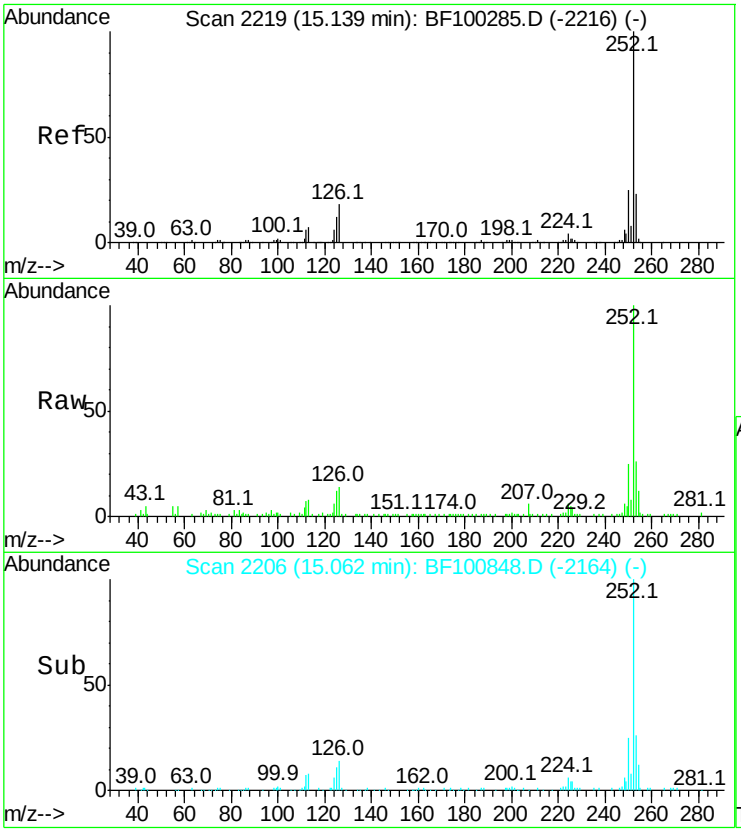




#87
Benzo(b)fluoranthene
Concen: 12.147 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:252 Resp: 107214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 17.0 | 25.6 |
| 125 | 12.0 | 9.0 | 13.6 |



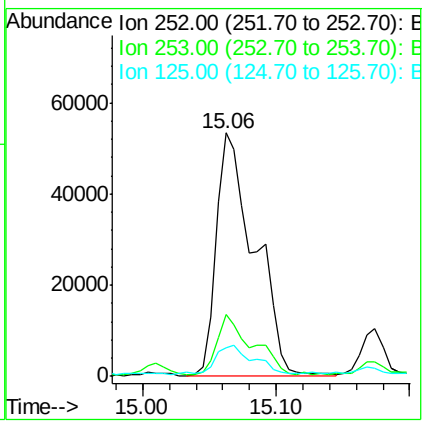


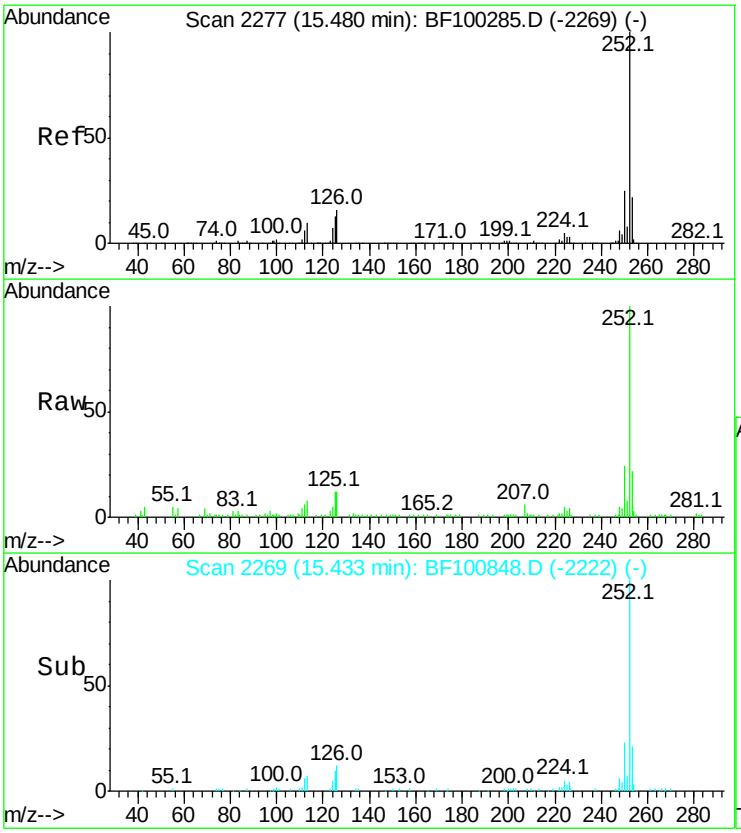

#88
Benzo(k)fluoranthene
Concen: 12.856 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:252 Resp: 107214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 17.9 | 26.9 |
| 125 | 12.0 | 10.2 | 15.2 |

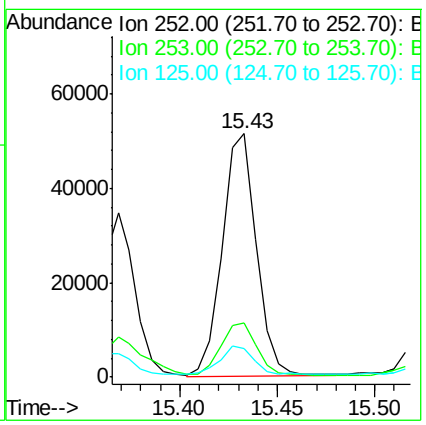


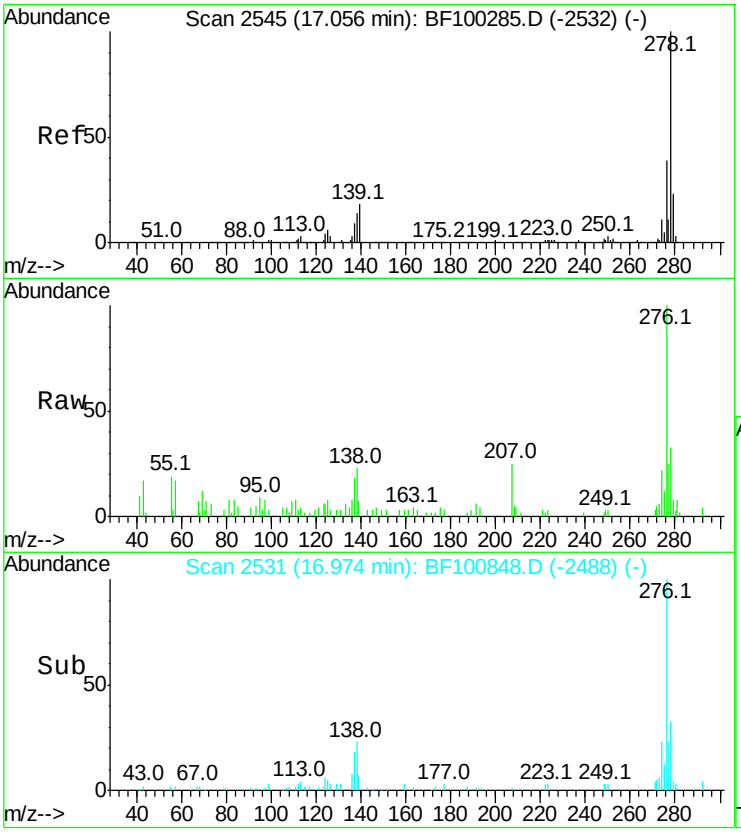




#89
Benzo(a)pyrene
Concen: 7.991 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:252 Resp: 62527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.1 | 25.7 |
| 125 | 11.6 | 9.8 | 14.6 |



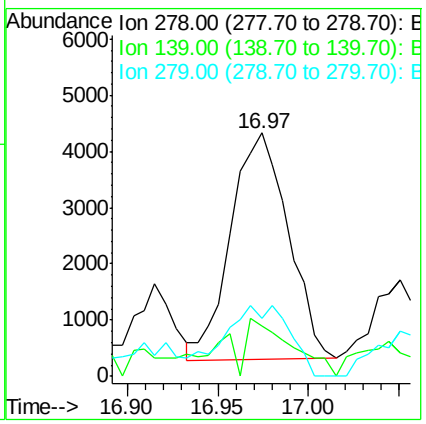


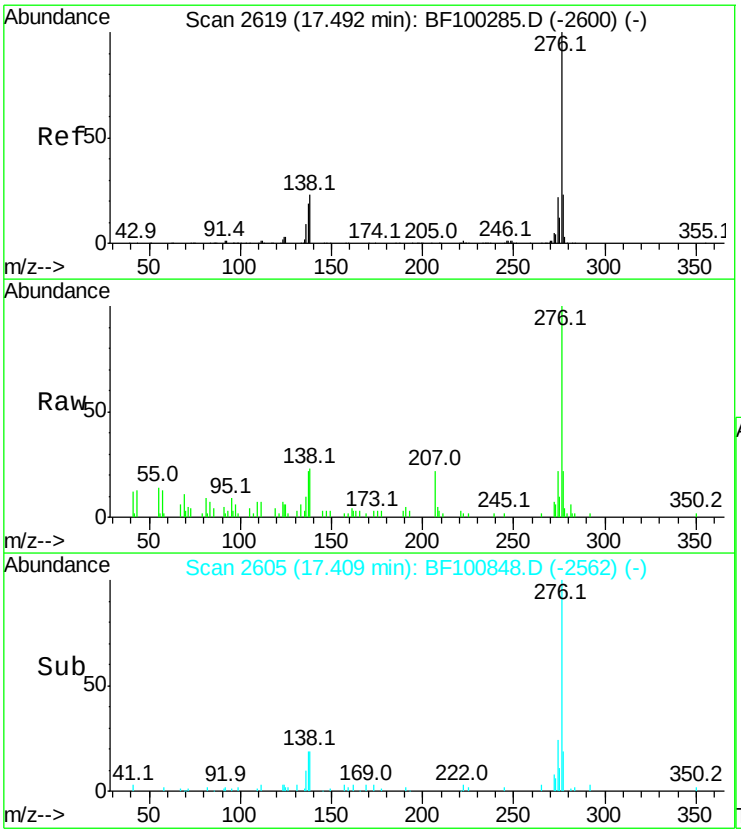

#90
Dibenzo(a,h)anthracene
Concen: 1.385 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:278 Resp: 8862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.6 | 15.9 | 23.9 |
| 279 | 23.7 | 19.0 | 28.4 |




#91
Benzo(g,h,i)perylene
Concen: 4.774 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.05 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion:276 Resp: 29905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 21.9 | 17.9 | 26.9 |
| 138 | 22.7 | 21.8 | 32.8 |