Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
Data File : BF092825.D
Acq On : 7 Feb 2017 13:26
Operator : SJ/MA
Sample : I1699-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 07 15:23:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.91 | 152 | 150067 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 8.19 | 136 | 601589 | 20.00 | ng | | -0.07 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 299891 | 20.00 | ng | | -0.07 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 439234 | 20.00 | ng | | -0.07 |
| 75) Chrysene-d12 | 14.08 | 240 | 331142 | 20.00 | ng | | -0.07 |
| 86) Perylene-d12 | 15.53 | 264 | 293068 | 20.00 | ng | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 681337 | 77.89 | ng | | -0.06 |
| 7) Phenol-d6 | 6.56 | 99 | 1595541 | 141.77 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 753985 | 69.79 | ng | | -0.07 |
| 41) 2,4,6-Tribromophenol | 10.74 | 330 | 104935 | 48.38 | ng | | -0.07 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 1310412 | 79.16 | ng | | -0.07 |
| 78) Terphenyl-d14 | 13.01 | 244 | 985450 | 69.92 | ng | | -0.07 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.68 | 77 | 21764 | 2.70 | ng | | 83 |
| 10) Phenol | 6.57 | 94 | 66426 | 5.04 | ng | # | 61 |
| 19) n-Nitroso-di-n-propylamine | 7.47 | 70 | 101697 | 14.19 | ng | # | 82 |
| 25) Isophorone | 7.47 | 82 | 748757 | 37.20 | ng | # | 65 |
| 49) Dimethylphthalate | 9.66 | 163 | 146695 | 7.26 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.76 | 198 | 919 | 2.99 | ng | # | 1 |
| 70) Phenanthrene | 11.46 | 178 | 282257 | 11.22 | ng | | 96 |
| 71) Anthracene | 11.50 | 178 | 79546 | 3.15 | ng | | 98 |
| 74) Fluoranthene | 12.65 | 202 | 475405 | 18.32 | ng | | 91 |
| 77) Pyrene | 12.88 | 202 | 407661 | 16.45 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.07 | 228 | 176911 | 8.73 | ng | | 97 |
| 82) Chrysene | 14.07 | 228 | 176911 | 9.33 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 59995 | 4.08 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.11 | 252 | 263139 | 13.64 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 15.11 | 252 | 263139 | 15.80 | ng | # | 92 |
| 89) Benzo(a)pyrene | 15.46 | 252 | 116033 | 6.95 | ng | # | 87 |
| 91) Benzo(g,h,i)perylene | 17.41 | 276 | 54103 | 3.97 | ng | # | 86 |

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

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Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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QLast Update : Mon Jan 30 14:50:05 2017
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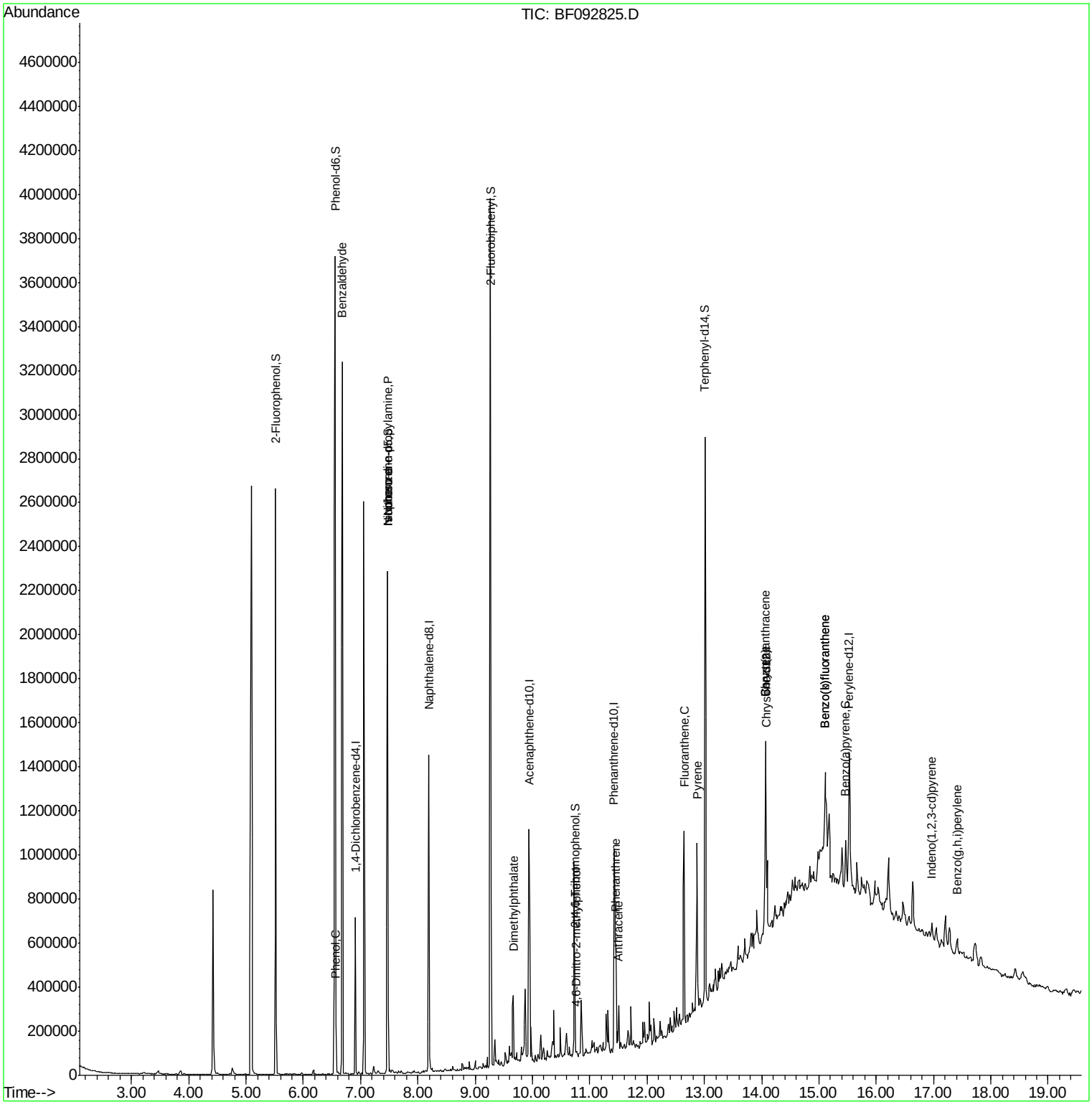
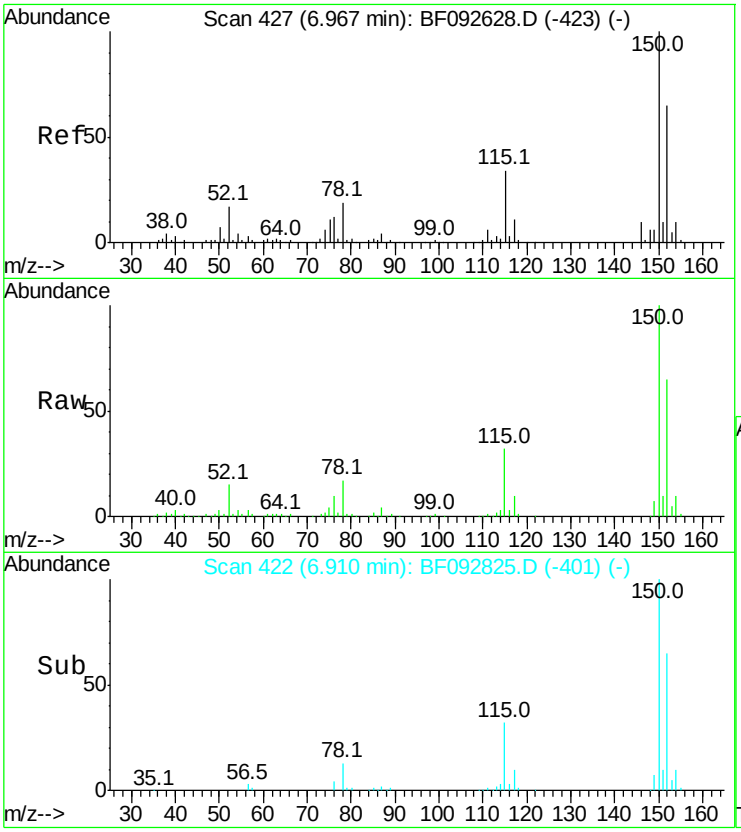


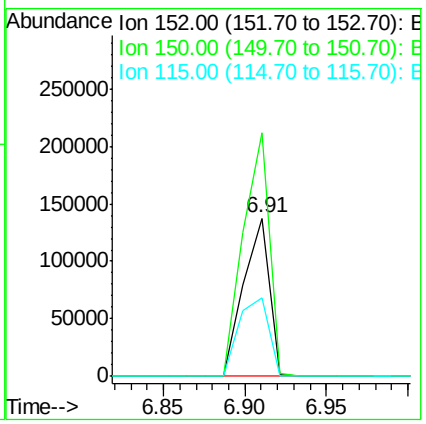


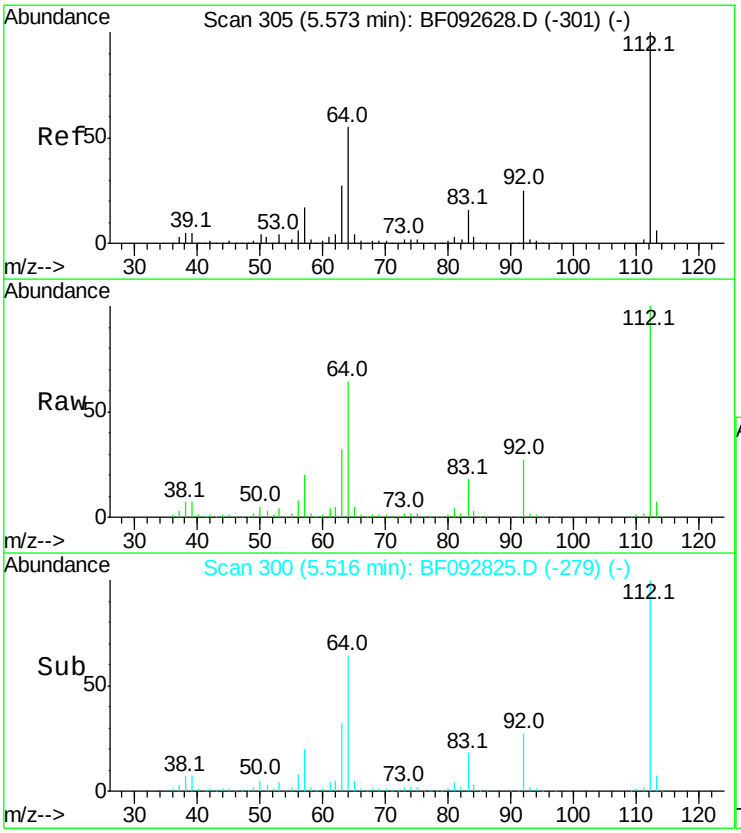

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.06 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:152 Resp: 150067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.9 | 124.9 | 187.3 |
| 115 | 49.3 | 46.0 | 69.0 |

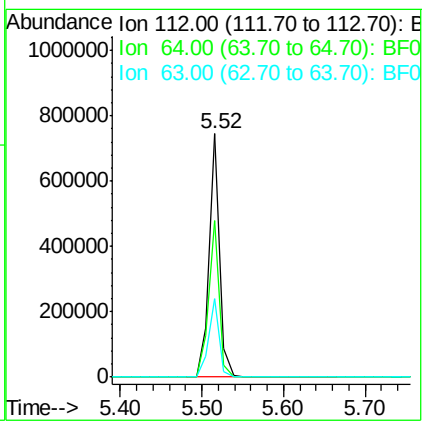


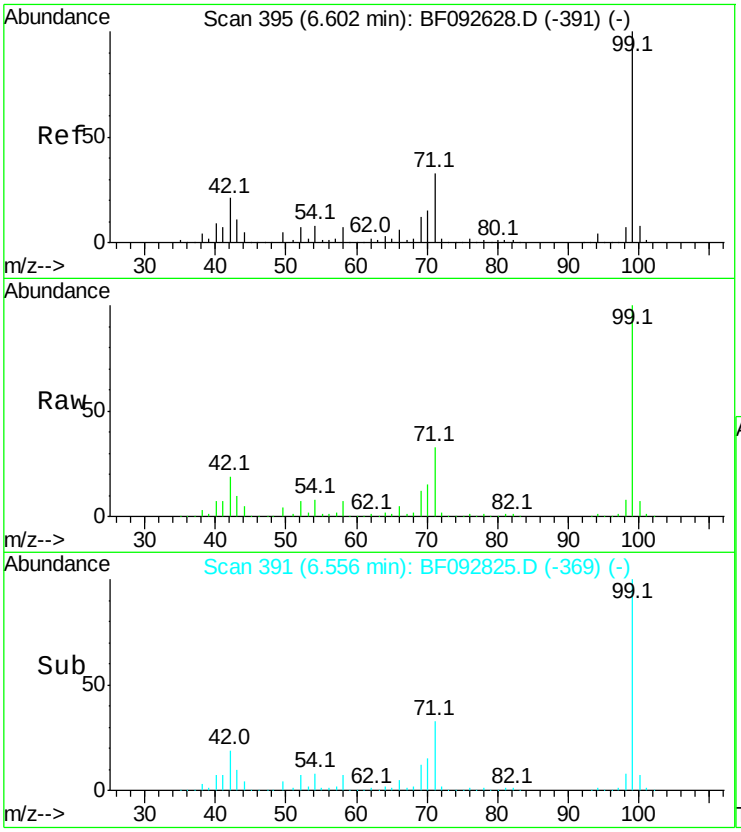




#5
2-Fluorophenol
Concen: 77.89 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.06 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:112 Resp: 681337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.2 | 46.1 | 69.1 |
| 63 | 32.2 | 23.8 | 35.6 |



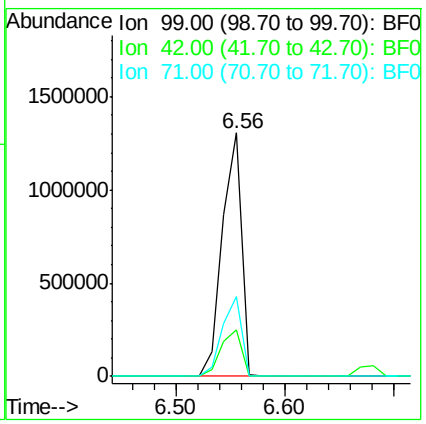


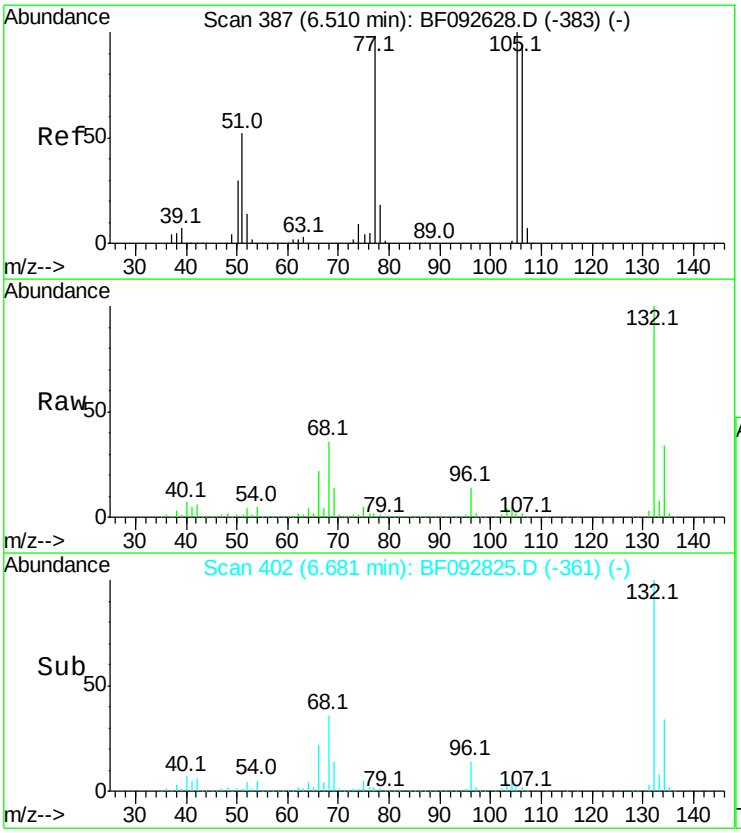

#7
Phenol-d6
Concen: 141.77 ng
RT: 6.56 min Scan# 391
Delta R.T. -0.05 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion: 99 Resp: 1595541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 15.6 | 23.4 |
| 71 | 32.6 | 27.5 | 41.3 |

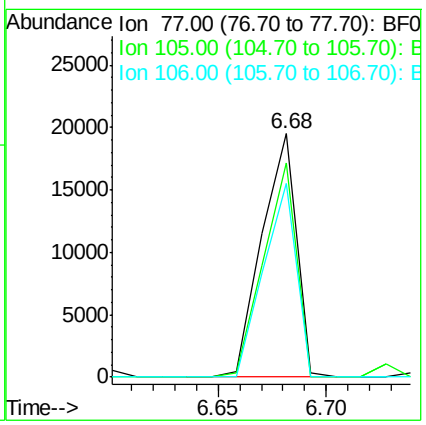


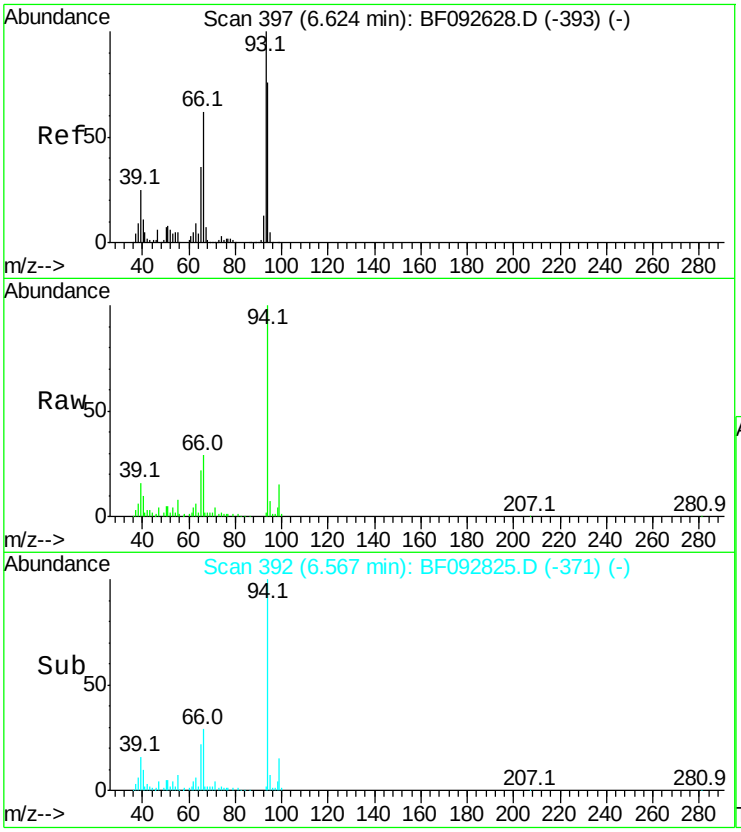




#9
Benzaldehyde
Concen: 2.70 ng
RT: 6.68 min Scan# 402
Delta R.T. 0.17 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion: 77 Resp: 21764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 88.0 | 83.9 | 123.9 |
| 106 | 79.8 | 77.6 | 117.6 |



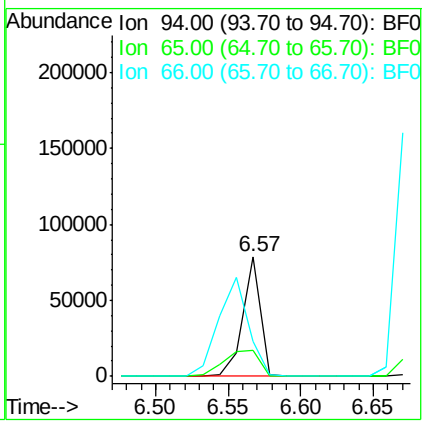


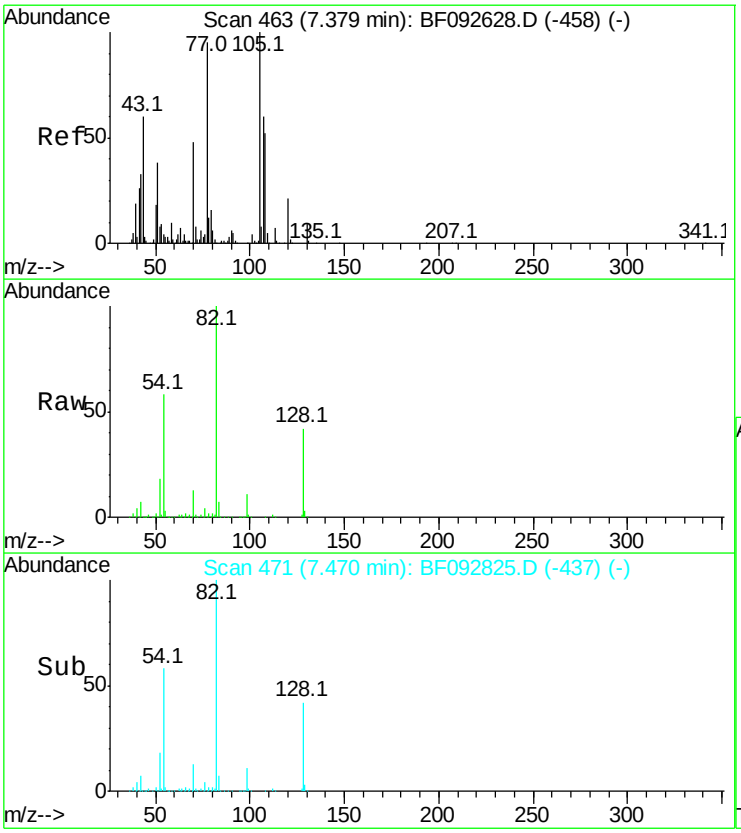

#10
Phenol
Concen: 5.04 ng
RT: 6.57 min Scan# 392
Delta R.T. -0.06 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion: 94 Resp: 66426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 22.2 | 21.4 | 61.4 |
| 66 | 29.1 | 44.0 | 84.0# |

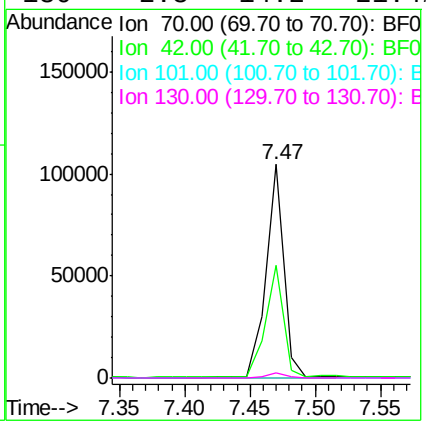


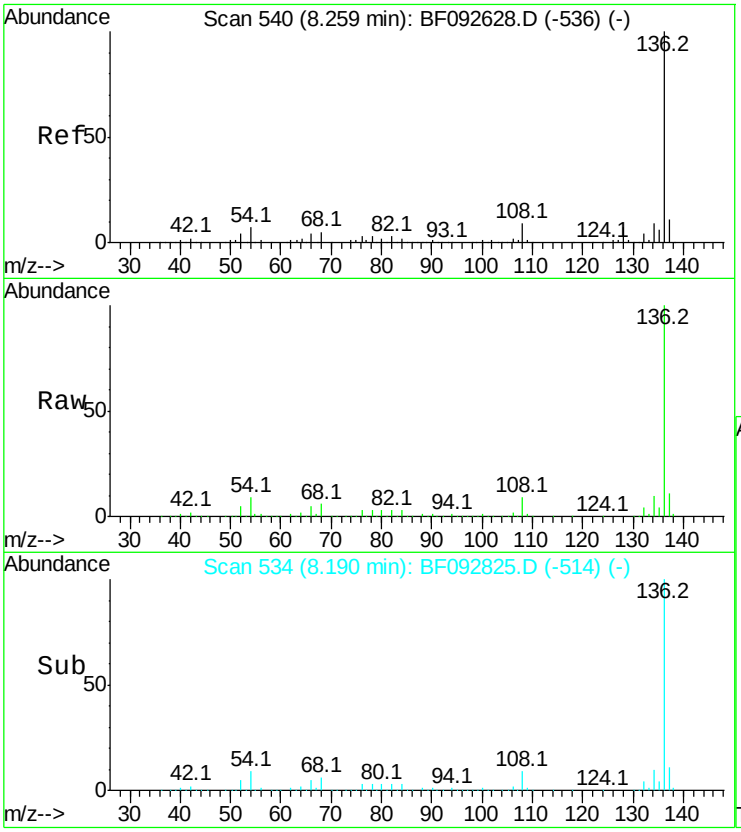




#19
n-Nitroso-di-n-propylamine
Concen: 14.19 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.09 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion: 70 Resp: 101697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.9 | 49.4 | 74.0 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 14.2 | 21.4# |



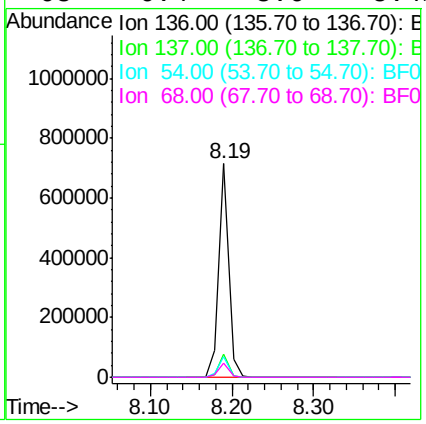


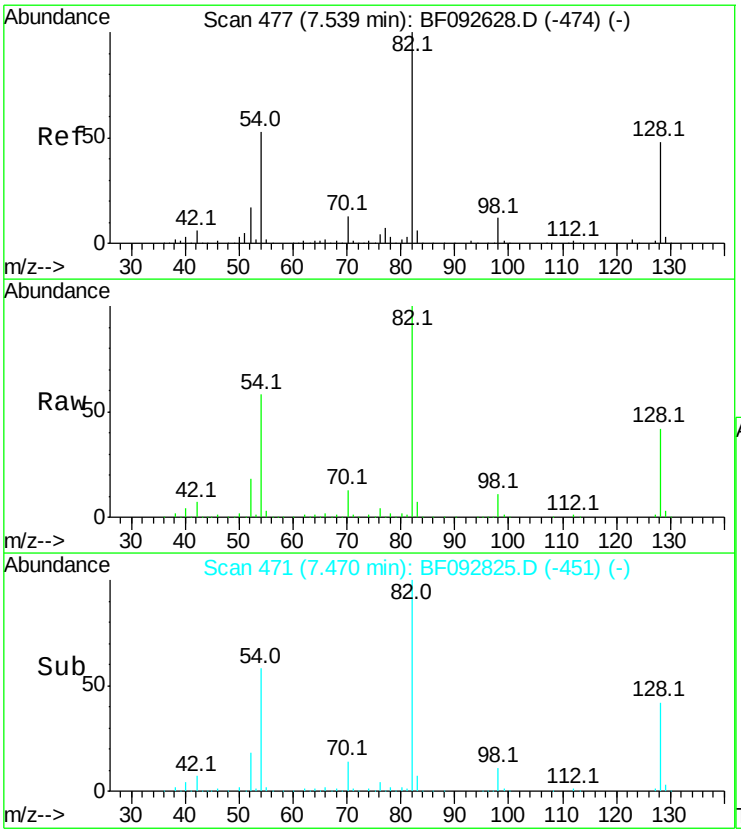

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:136 Resp: 601589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 9.5 | 4.5 | 6.7# |
| 68 | 6.4 | 3.6 | 5.4# |

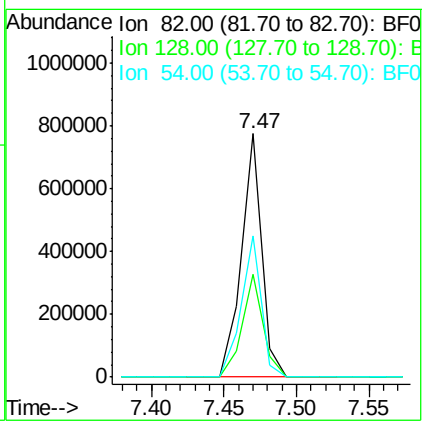


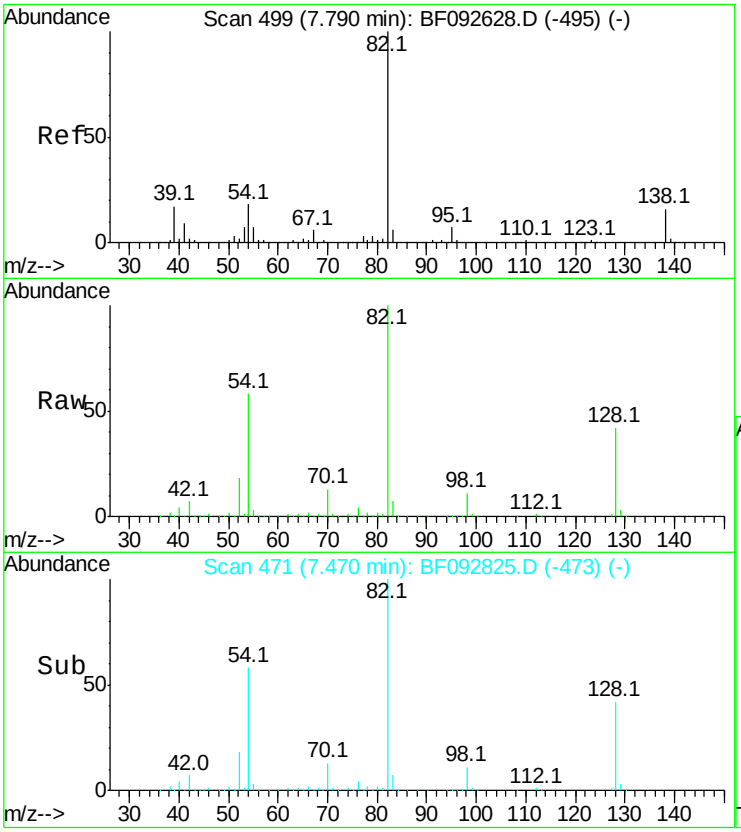




#23
Nitrobenzene-d5
Concen: 69.79 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion: 82 Resp: 753985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 34.6 | 52.0 |
| 54 | 57.8 | 39.5 | 59.3 |



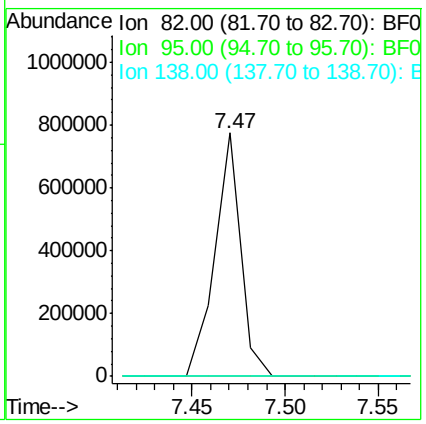


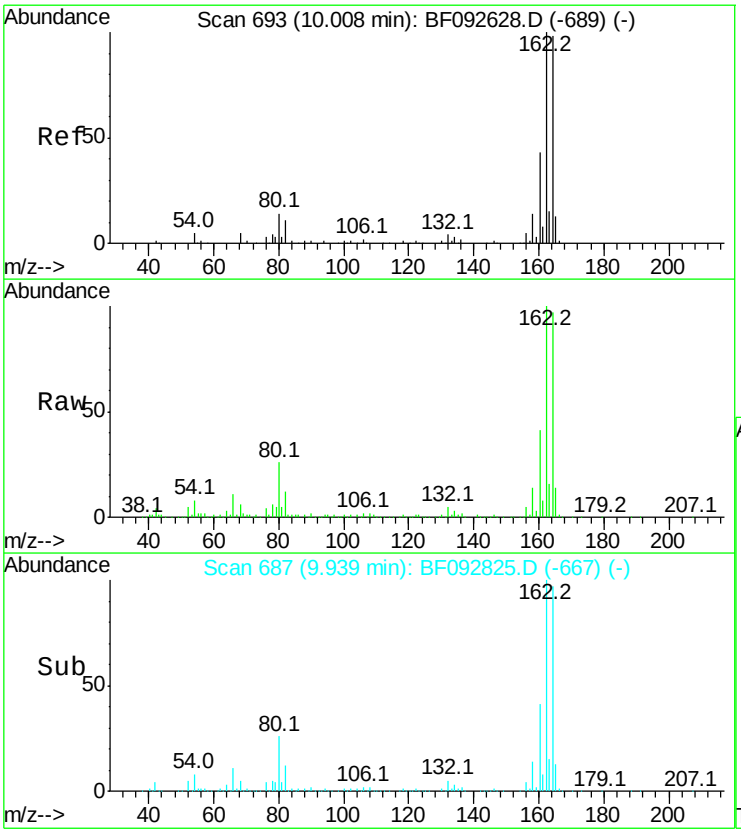

#25
Isophorone
Concen: 37.20 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.32 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion: 82 Resp: 748757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.1 | 5.6 | 8.4# |
| 138 | 0.0 | 14.6 | 22.0# |

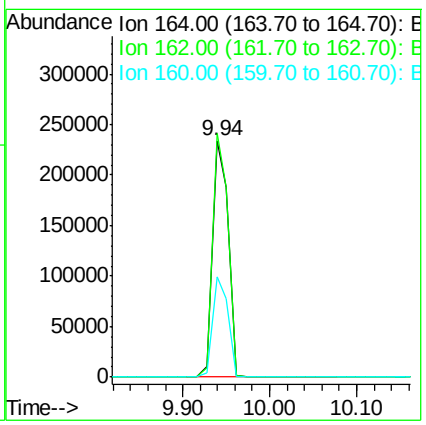


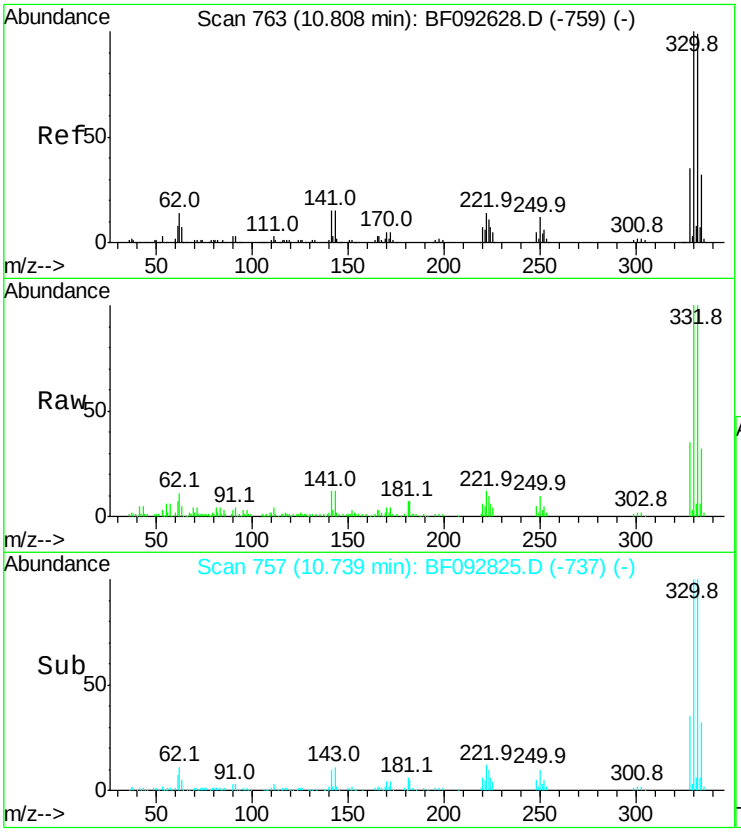




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:164 Resp: 299891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 80.2 | 120.2 |
| 160 | 42.6 | 36.9 | 55.3 |



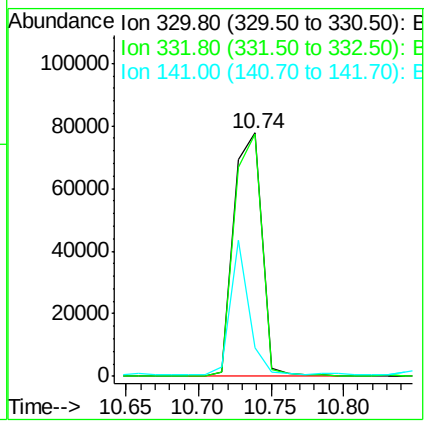


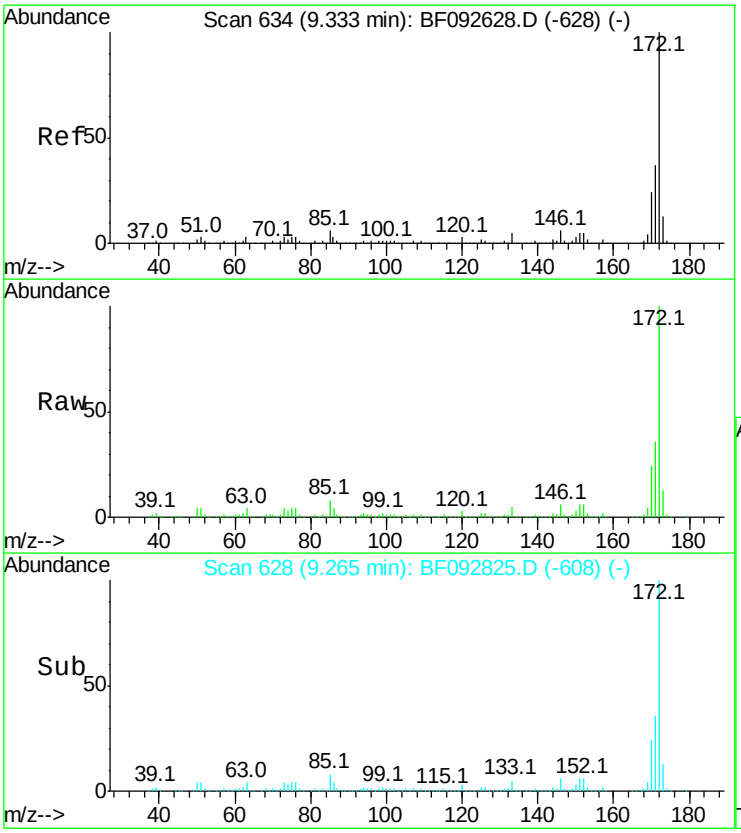

#41
2,4,6-Tribromophenol
Concen: 48.38 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:330 Resp: 104935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.0 | 77.4 | 116.2 |
| 141 | 37.0 | 34.1 | 51.1 |

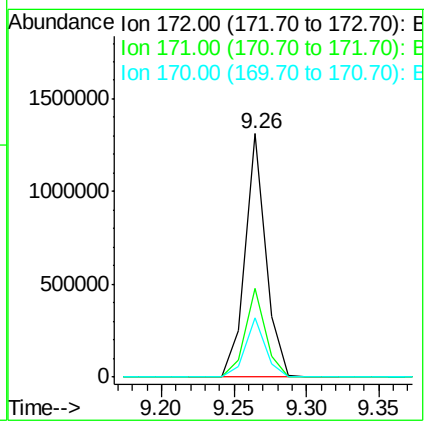


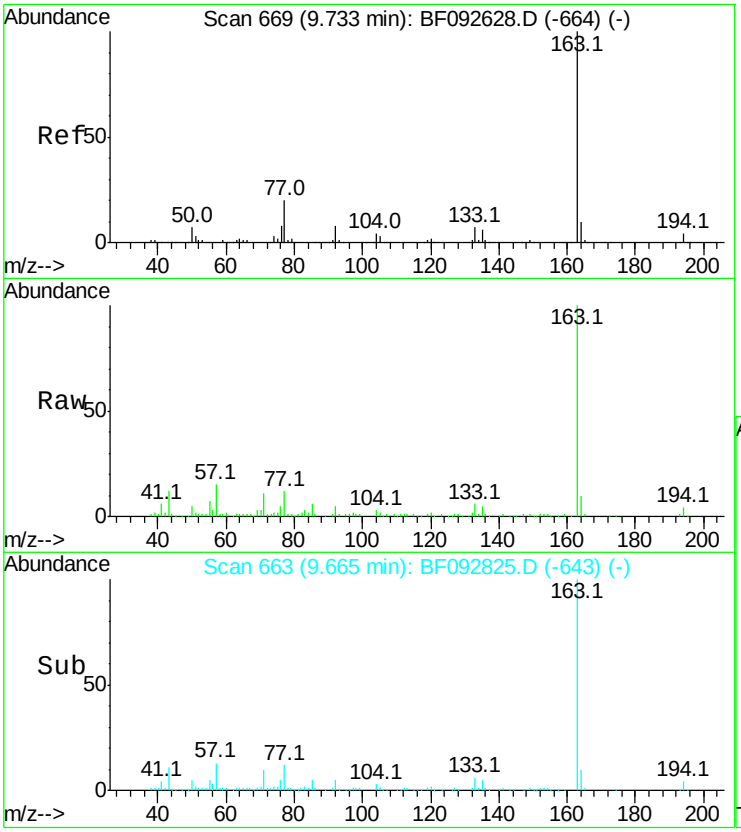




#44
2-Fluorobiphenyl
Concen: 79.16 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:172 Resp: 1310412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 29.4 | 44.0 |
| 170 | 24.1 | 20.2 | 30.4 |



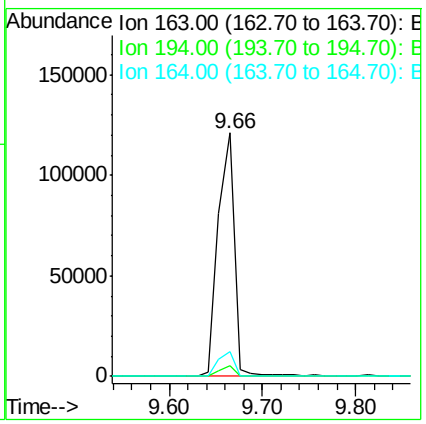


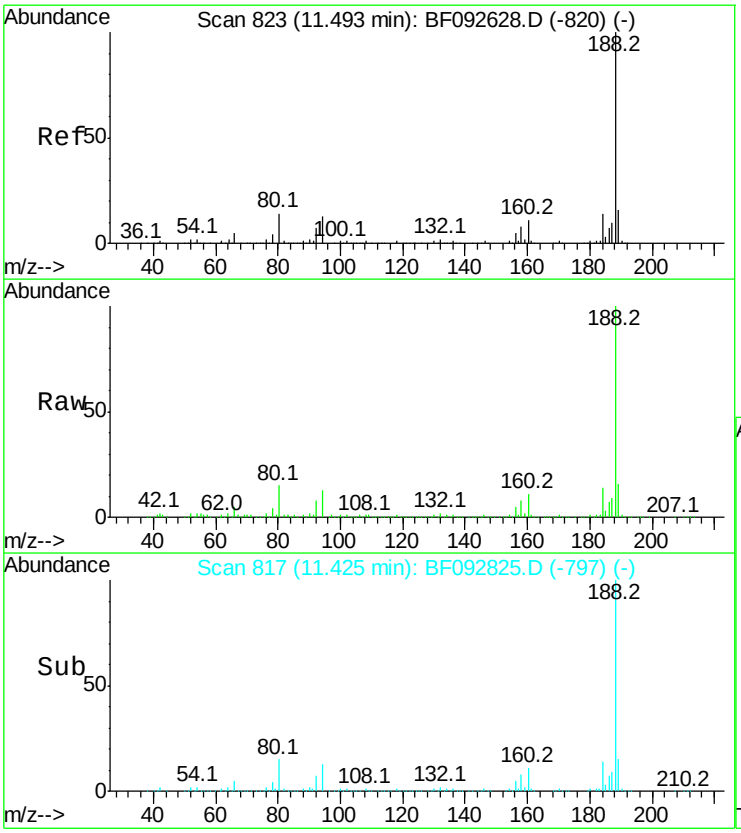

#49
Dimethylphthalate
Concen: 7.26 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:163 Resp: 146695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.0 | 4.4 |
| 164 | 10.0 | 8.0 | 12.0 |

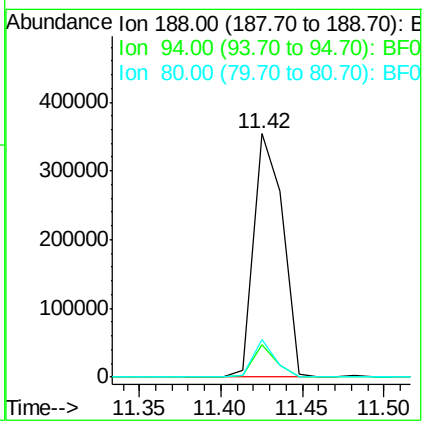


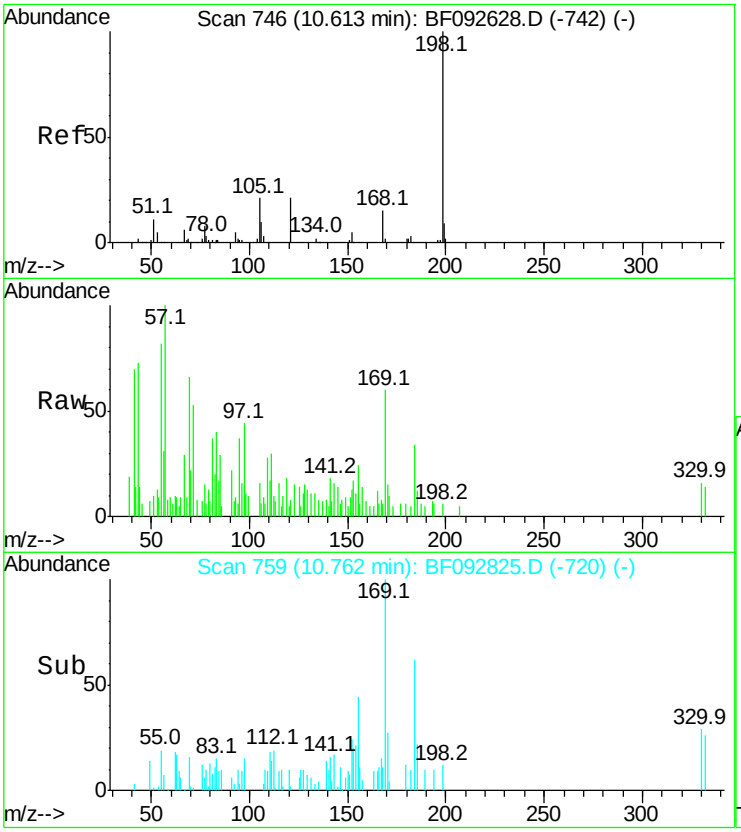




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:188 Resp: 439234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.1 | 10.0 | 15.0 |
| 80 | 15.5 | 11.2 | 16.8 |



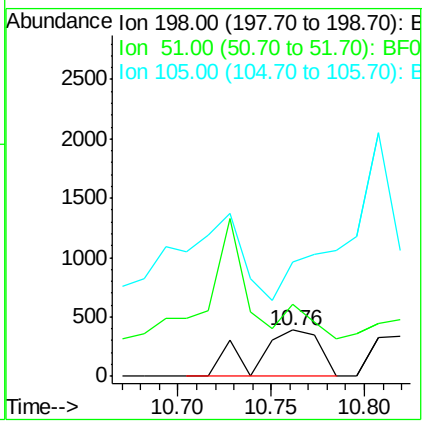


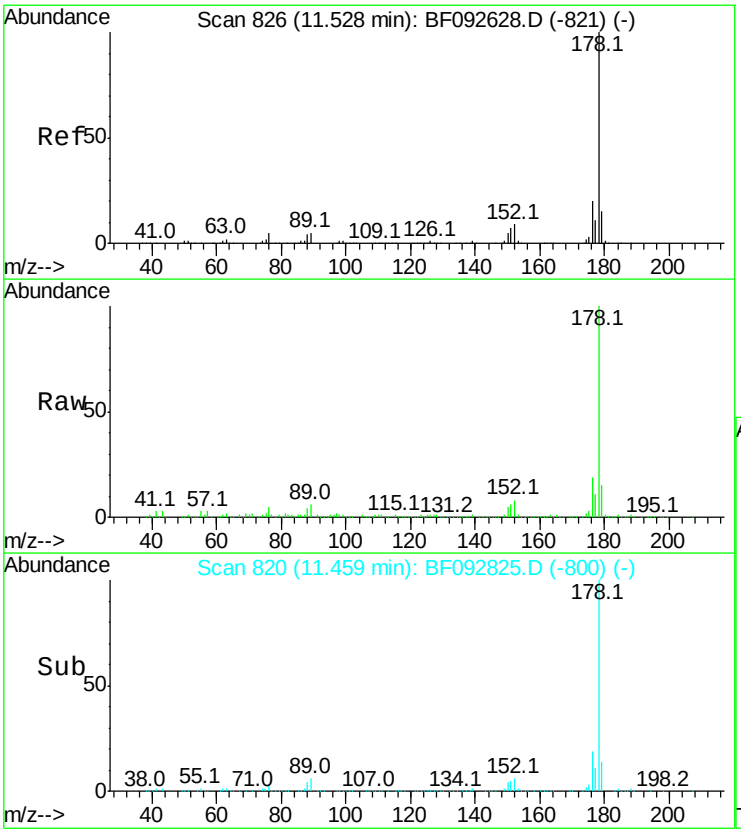

#64
4,6-Dinitro-2-methylphenol
Concen: 2.99 ng
RT: 10.76 min Scan# 759
Delta R.T. 0.15 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:198 Resp: 919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 156.5 | 6.7 | 46.7# |
| 105 | 249.2 | 16.6 | 56.6# |

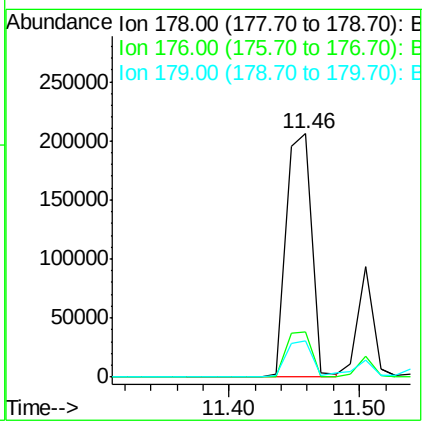


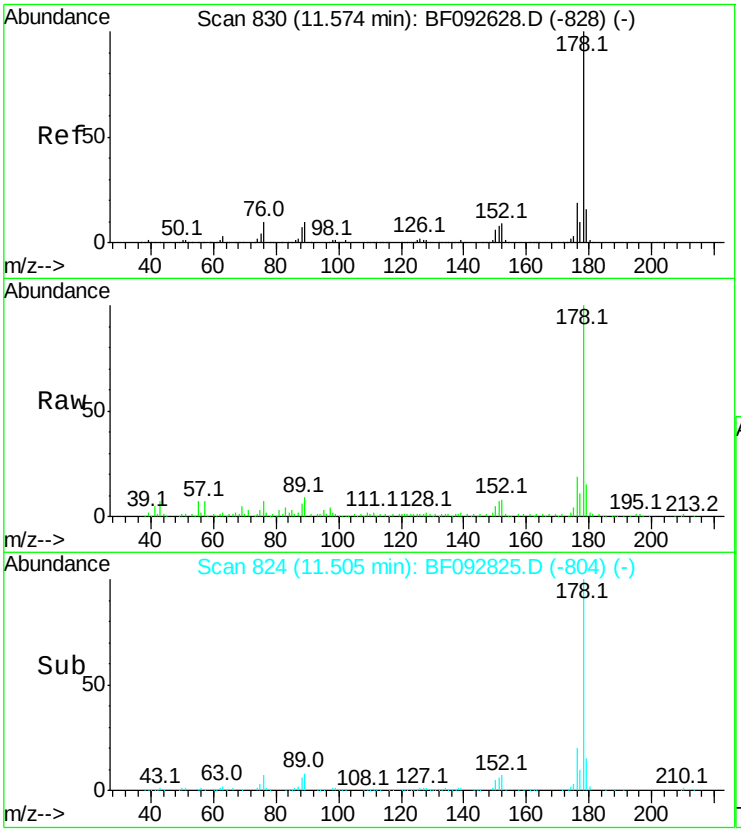




#70
Phenanthrene
Concen: 11.22 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:178 Resp: 282257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 16.6 | 25.0 |
| 179 | 14.8 | 12.8 | 19.2 |



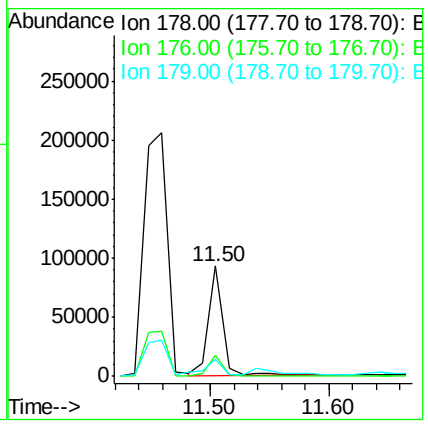


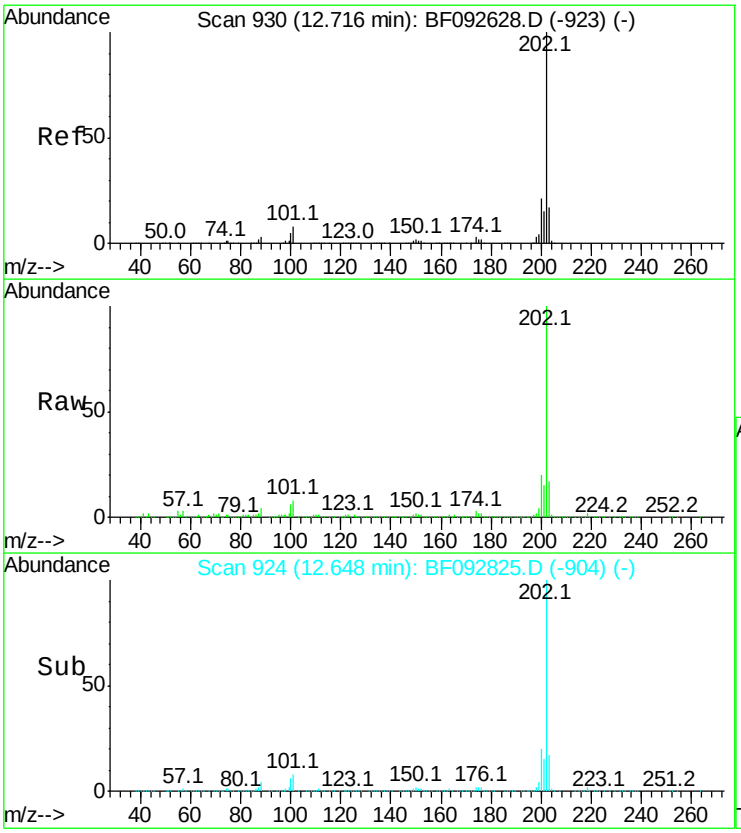

#71
Anthracene
Concen: 3.15 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:178 Resp: 79546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.9 | 23.9 |
| 179 | 15.0 | 13.2 | 19.8 |

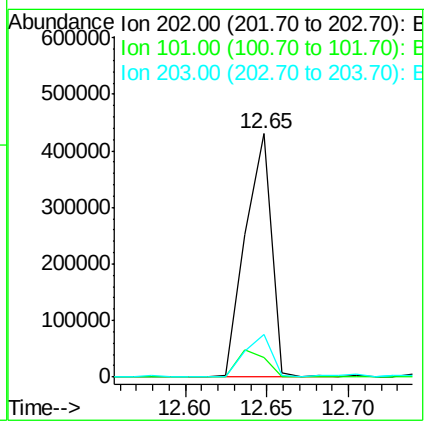


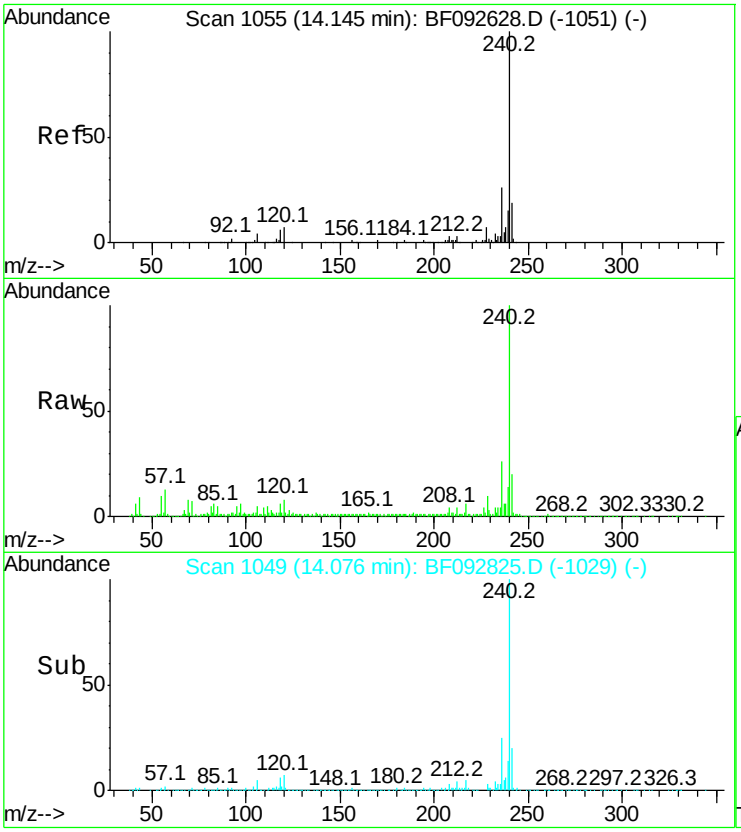




#74
Fluoranthene
Concen: 18.32 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:202 Resp: 475405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 0.0 | 34.6 |
| 203 | 17.4 | 0.0 | 38.7 |



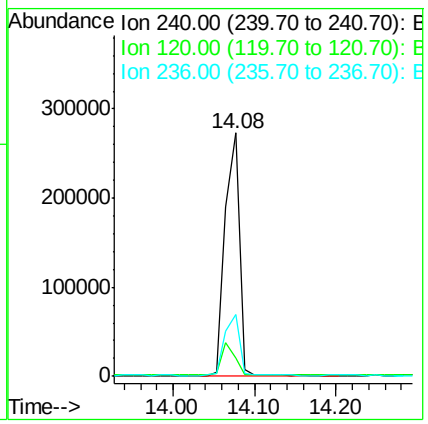


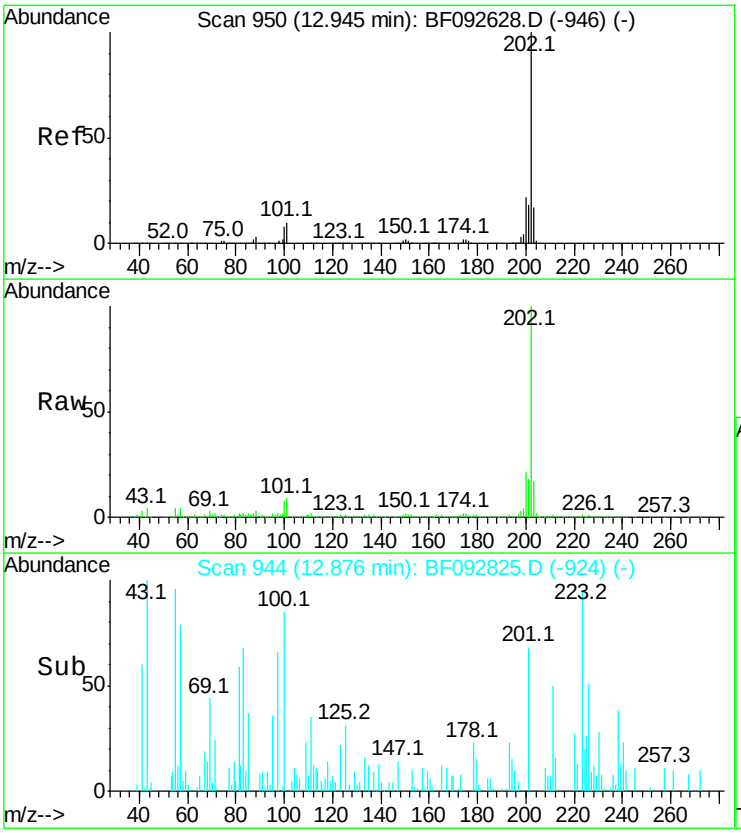

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:240 Resp: 331142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.5 | 12.9 | 19.3# |
| 236 | 25.6 | 20.9 | 31.3 |

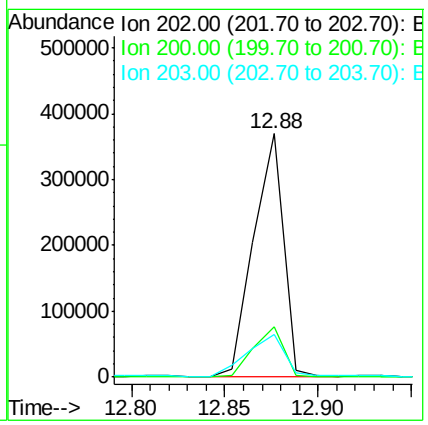


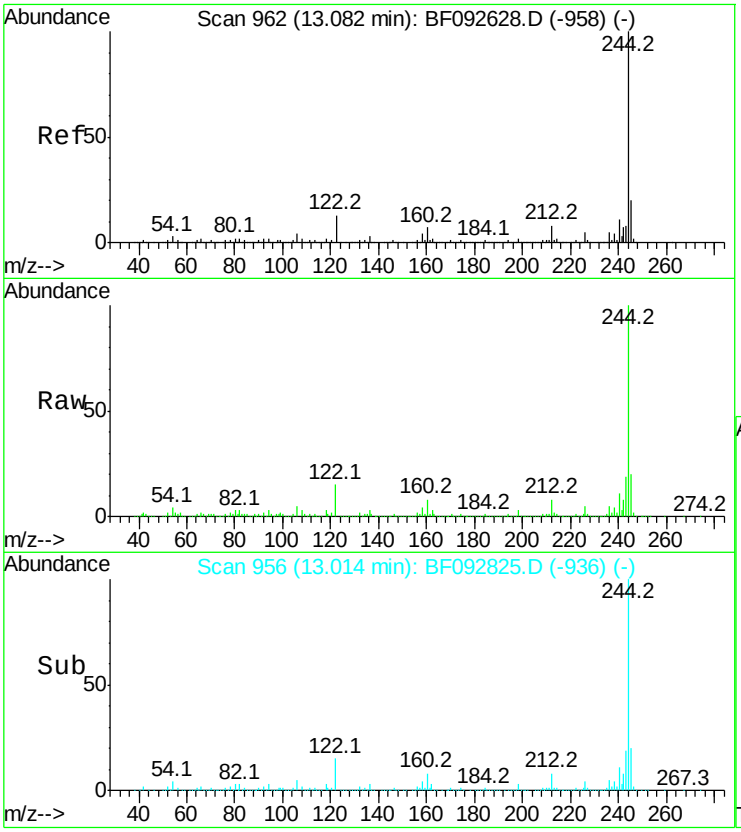




#77
Pyrene
Concen: 16.45 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:202 Resp: 407661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.7 | 26.5 |
| 203 | 17.5 | 14.7 | 22.1 |



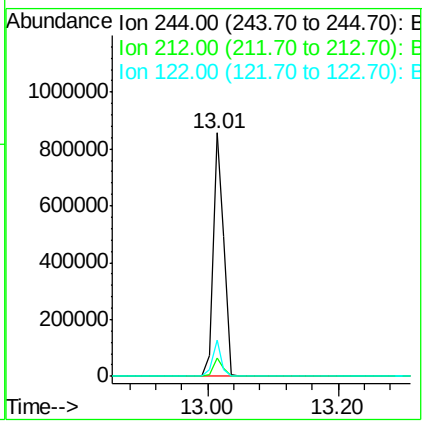


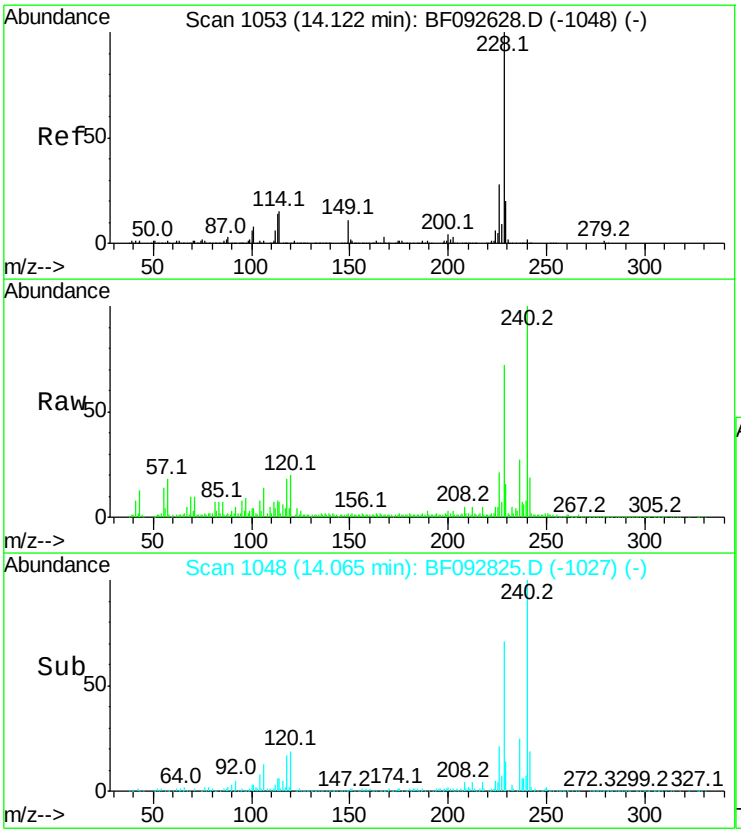

#78
Terphenyl-d14
Concen: 69.92 ng
RT: 13.01 min Scan# 956
Delta R.T. -0.07 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:244 Resp: 985450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.2 | 9.2 |
| 122 | 15.0 | 11.4 | 17.2 |

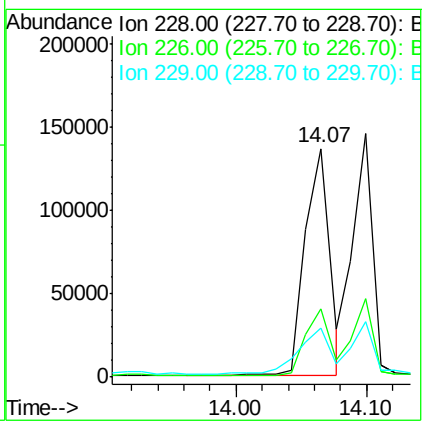


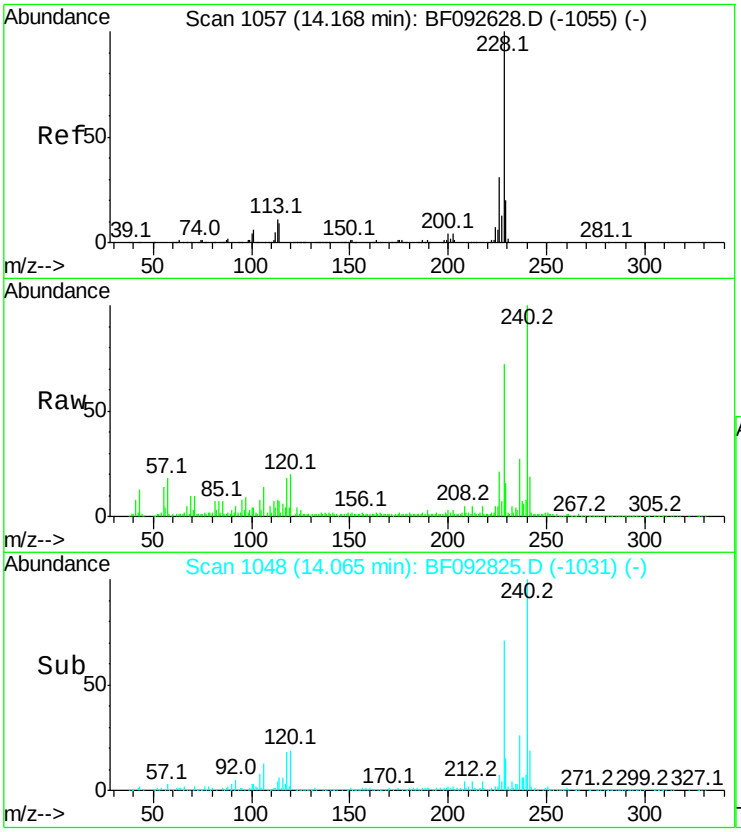




#80
Benzo(a)anthracene
Concen: 8.73 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.06 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:228 Resp: 176911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 22.4 | 33.6 |
| 229 | 21.6 | 16.2 | 24.4 |



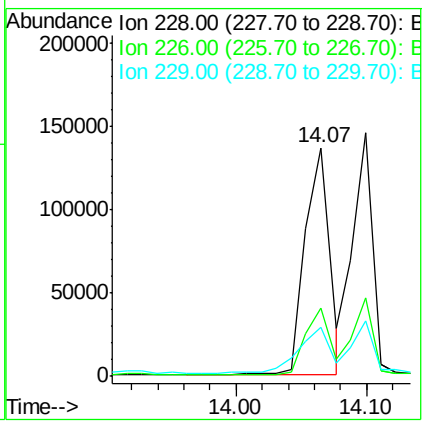


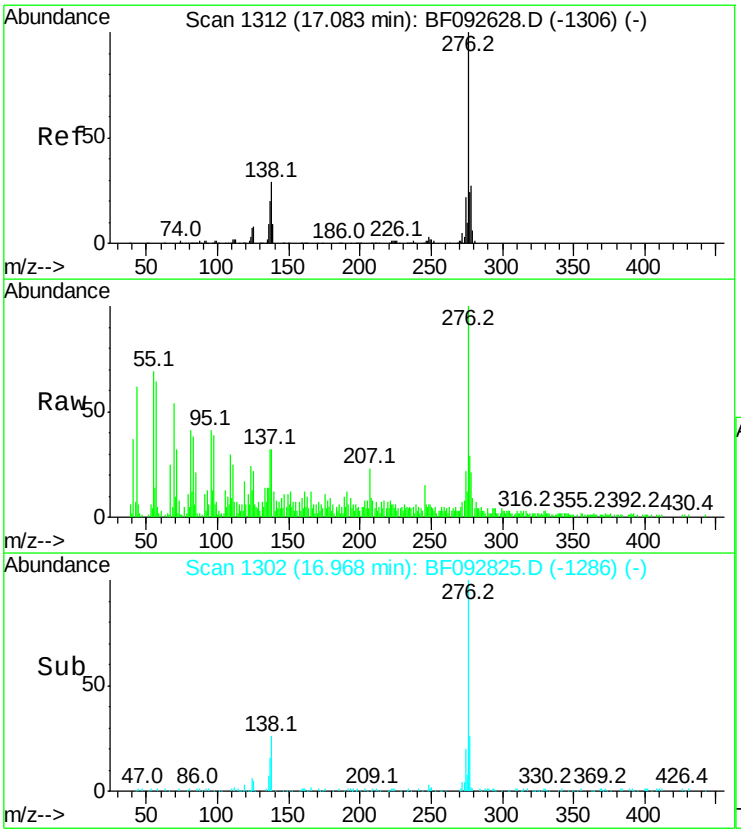

#82
Chrysene
Concen: 9.33 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.10 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:228 Resp: 176911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 25.4 | 38.0 |
| 229 | 21.6 | 16.2 | 24.2 |

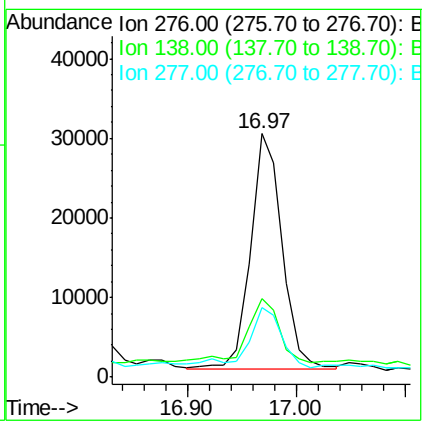


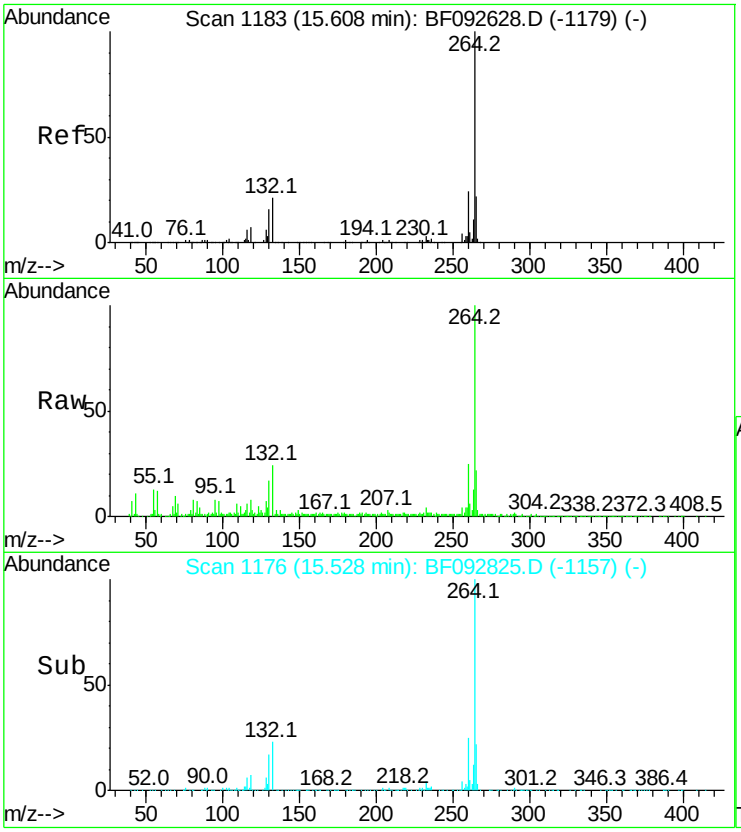




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.08 ng
RT: 16.97 min Scan# 1302
Delta R.T. -0.11 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:276 Resp: 59995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.7 | 21.8 | 32.6 |
| 277 | 25.1 | 20.2 | 30.4 |



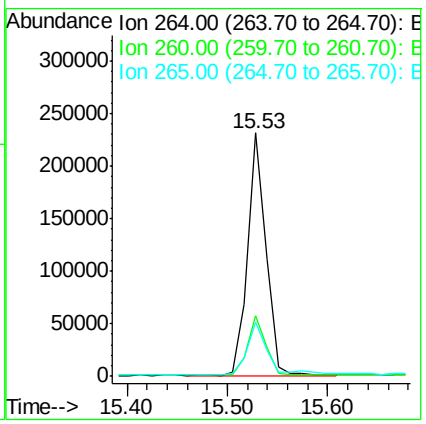


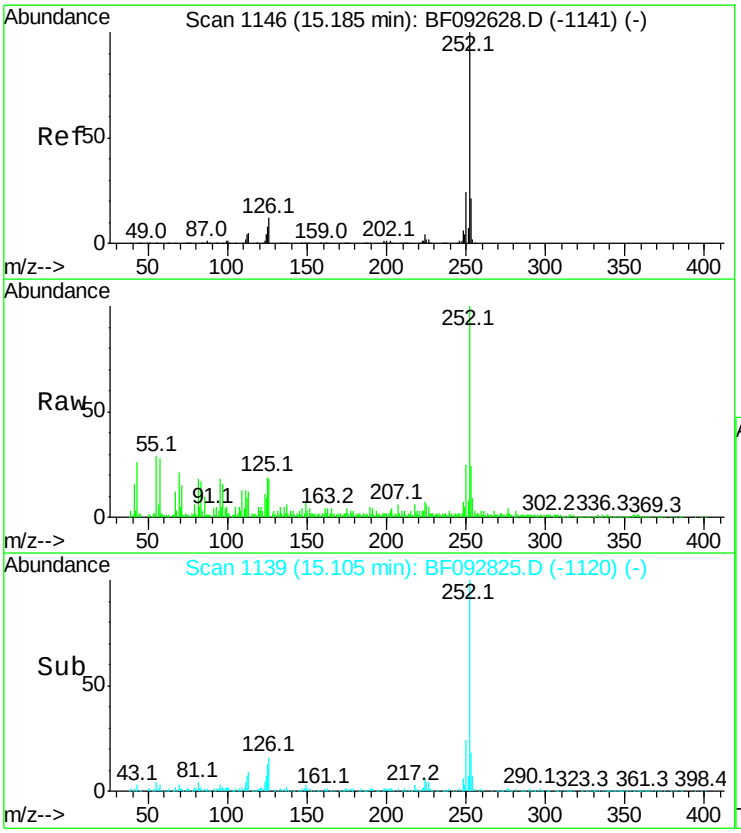

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:264 Resp: 293068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.2 | 28.8 |
| 265 | 22.4 | 17.4 | 26.0 |

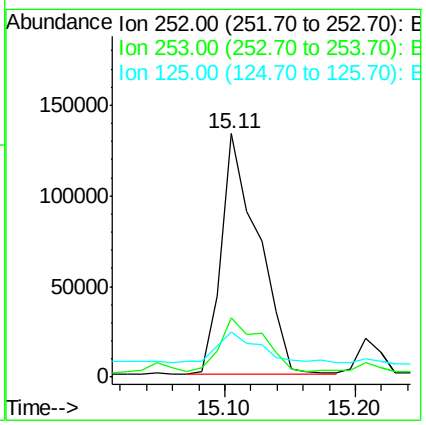


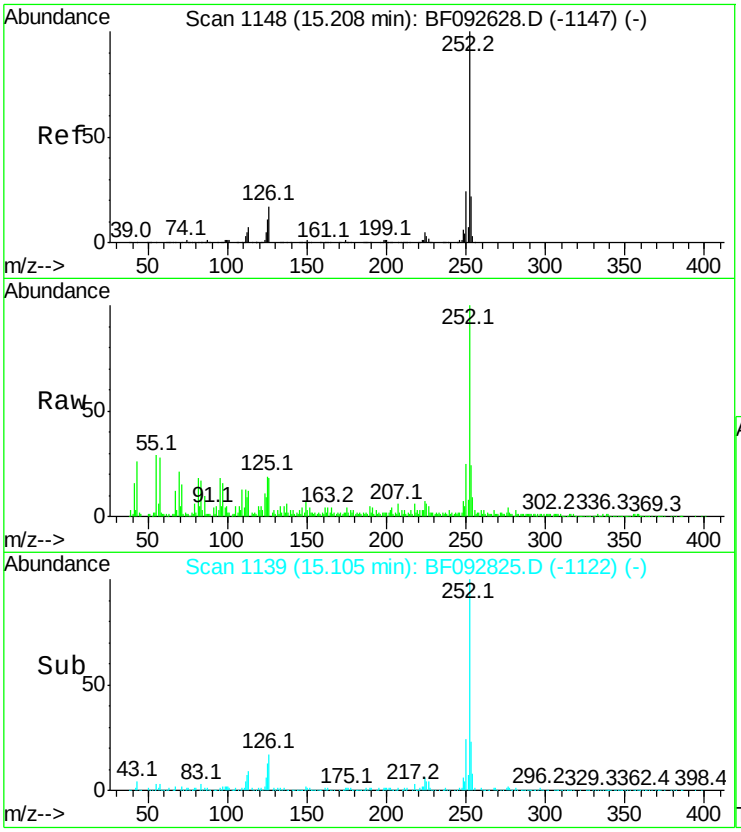




#87
Benzo(b)fluoranthene
Concen: 13.64 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:252 Resp: 263139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 18.2 | 27.4 |
| 125 | 18.6 | 9.8 | 14.6# |



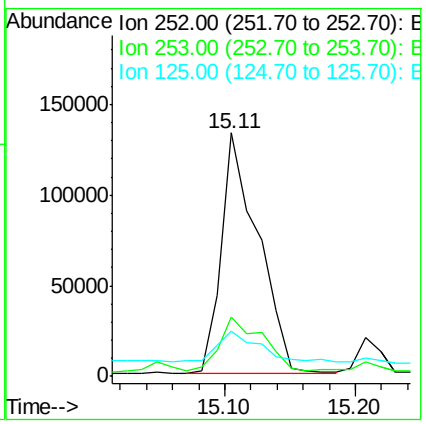


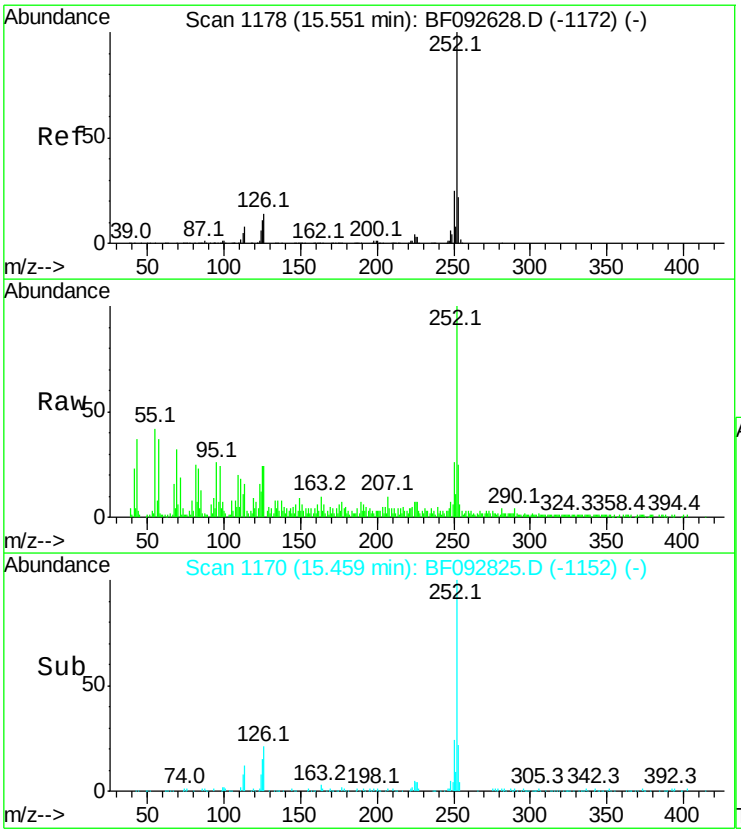

#88
Benzo(k)fluoranthene
Concen: 15.80 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.10 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:252 Resp: 263139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 18.5 | 27.7 |
| 125 | 18.6 | 8.9 | 13.3# |

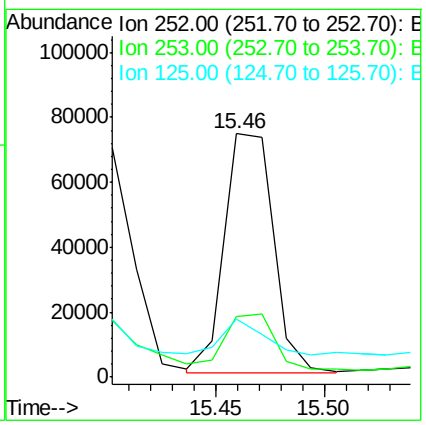


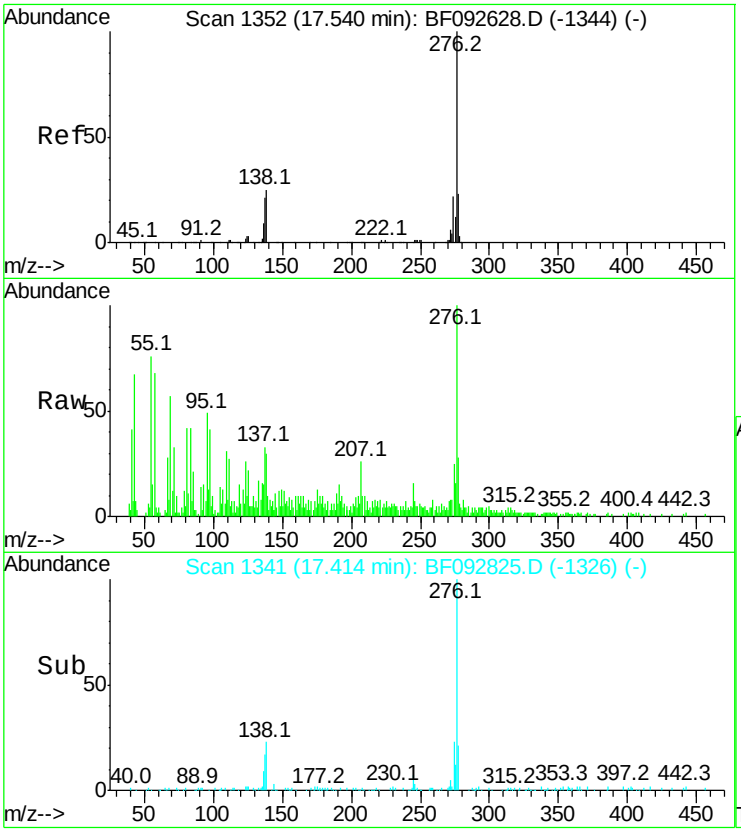




#89
Benzo(a)pyrene
Concen: 6.95 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.09 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

Tgt Ion:252 Resp: 116033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 18.2 | 27.2 |
| 125 | 23.6 | 10.0 | 15.0# |






#91
Benzo(g,h,i)perylene
Concen: 3.97 ng
RT: 17.41 min Scan# 1341
Delta R.T. -0.13 min
Lab File: BF092825.D
Acq: 7 Feb 2017 13:26

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

Tgt Ion:276 Resp: 54103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.7 | 19.2 | 28.8 |
| 138 | 29.8 | 16.0 | 24.0# |