Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090064.D
Acq On : 12 Sep 2016 15:35
Operator : UM/SJ
Sample : H4743-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EME-BAYSHORE-EMBANKMENT

Quant Time: Sep 13 02:40:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 08 16:07:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.57 | 152 | 199540 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 7.86 | 136 | 812813 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.60 | 164 | 344532 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.07 | 188 | 595605 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.69 | 240 | 449323 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.04 | 264 | 299695 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 1317361 | 105.67 | ng | | -0.01 |
| 7) Phenol-d6 | 6.23 | 99 | 1435785 | 94.79 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.14 | 82 | 859576 | 61.33 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.39 | 330 | 289753 | 85.24 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 8.95 | 172 | 1733922 | 82.61 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.66 | 244 | 1355329 | 74.51 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 115509 | 11.70 | ng | # | 83 |
| 25) Isophorone | 7.14 | 82 | 724878 | 25.43 | ng | # | 65 |
| 32) Benzoic acid | 7.61 | 122 | 20628 | 2.32 | ng | | 90 |
| 49) Dimethylphthalate | 9.34 | 163 | 489820 | 19.67 | ng | | 99 |
| 57) Fluorene | 10.15 | 166 | 56633 | 2.81 | ng | | 99 |
| 59) Diethylphthalate | 10.03 | 149 | 48839 | 2.08 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 10.39 | 248 | 19089 | 3.18 | ng | # | 1 |
| 70) Phenanthrene | 11.10 | 178 | 420131 | 14.16 | ng | | 97 |
| 71) Anthracene | 11.15 | 178 | 164879 | 5.48 | ng | | 97 |
| 74) Fluoranthene | 12.27 | 202 | 722879 | 23.26 | ng | | 96 |
| 77) Pyrene | 12.50 | 202 | 727944 | 22.98 | ng | | 100 |
| 80) Benzo(a)anthracene | 13.68 | 228 | 405227 | 14.72 | ng | | 92 |
| 82) Chrysene | 13.68 | 228 | 405995 | 15.79 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.24 | 276 | 115525 | 6.08 | ng | # | 91 |
| 87) Benzo(b)fluoranthene | 14.67 | 252 | 399054 | 21.25 | ng | # | 85 |
| 88) Benzo(k)fluoranthene | 14.67 | 252 | 399054 | 25.05 | ng | # | 85 |
| 89) Benzo(a)pyrene | 14.98 | 252 | 214142 | 13.31 | ng | # | 90 |
| 90) Dibenzo(a,h)anthracene | 16.25 | 278 | 39412 | 3.34 | ng | # | 53 |
| 91) Benzo(g,h,i)perylene | 16.61 | 276 | 106087 | 8.94 | ng | # | 92 |

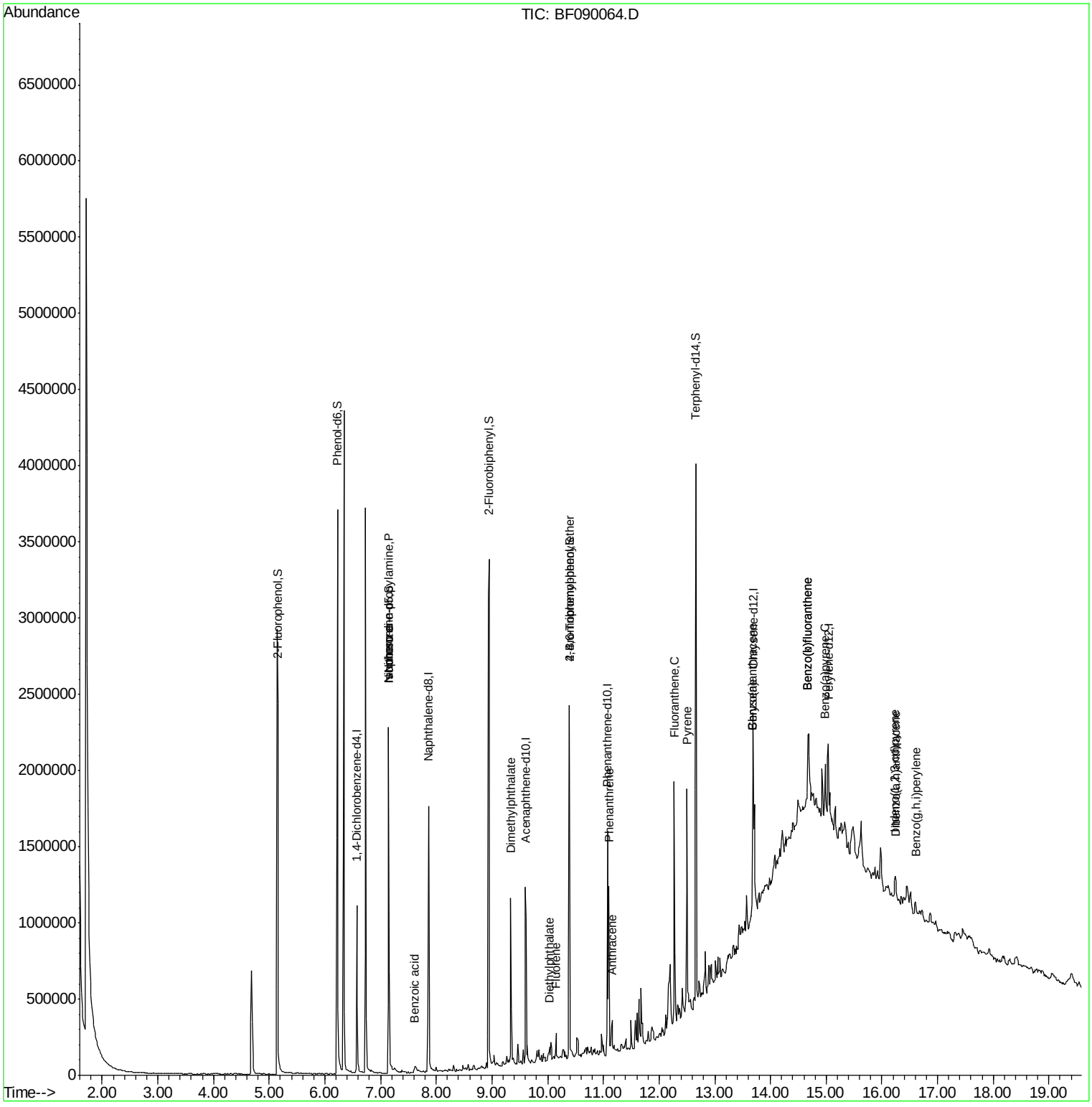
(#) = qualifier out of range (m) = manual integration (+) = signals summed

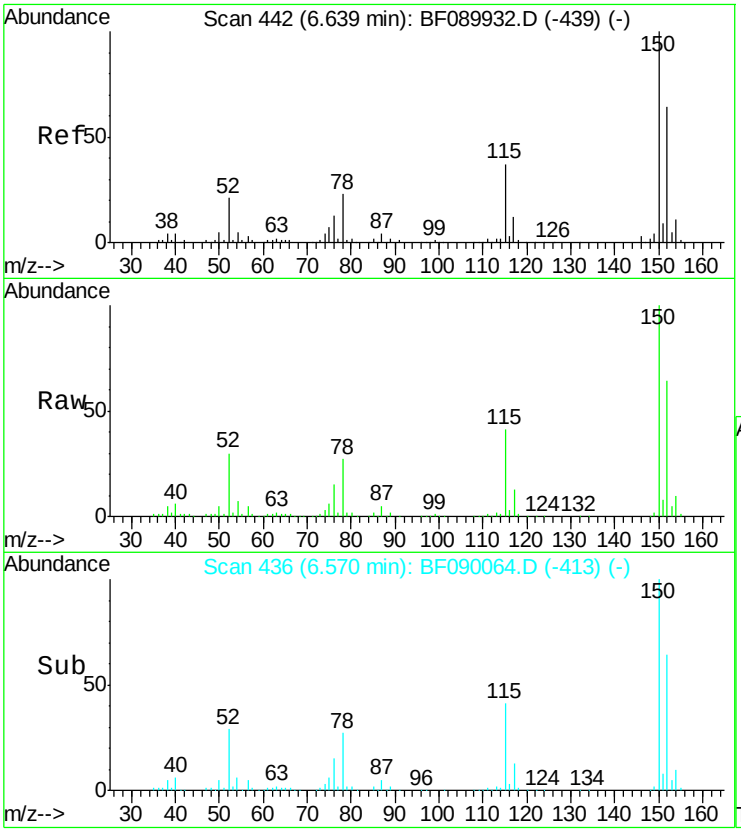
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090064.D
Acq On : 12 Sep 2016 15:35
Operator : UM/SJ
Sample : H4743-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Quant Time: Sep 13 02:40:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 08 16:07:52 2016
Response via : Initial Calibration



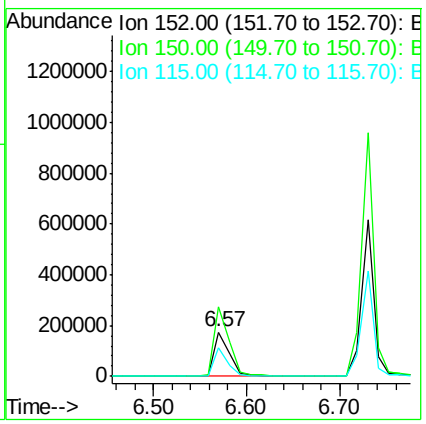


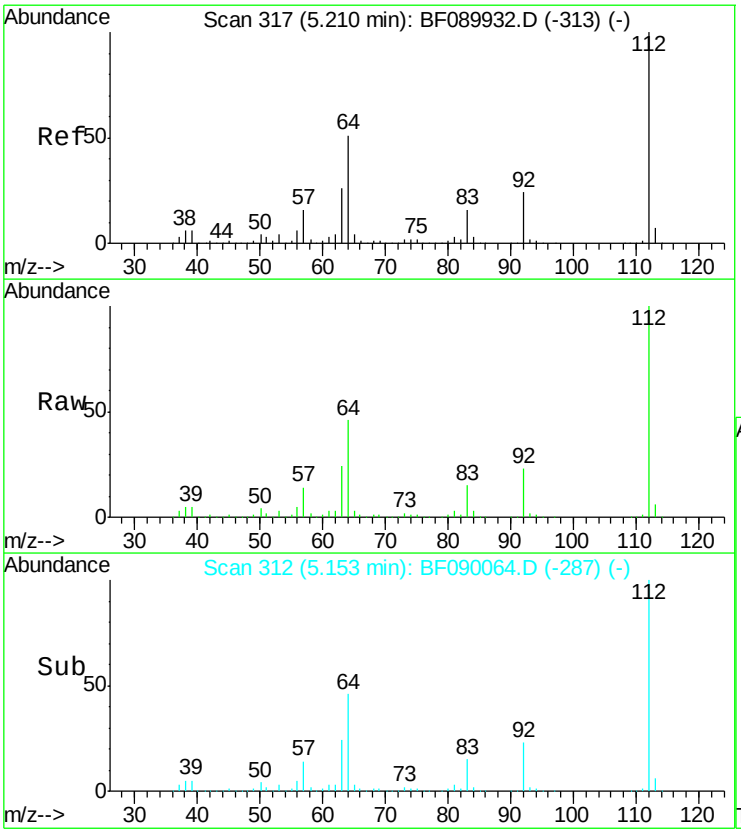

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:152 Resp: 199540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 127.4 | 191.2 |
| 115 | 65.2 | 46.3 | 69.5 |

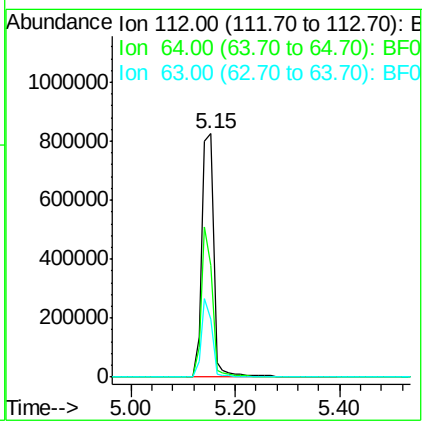


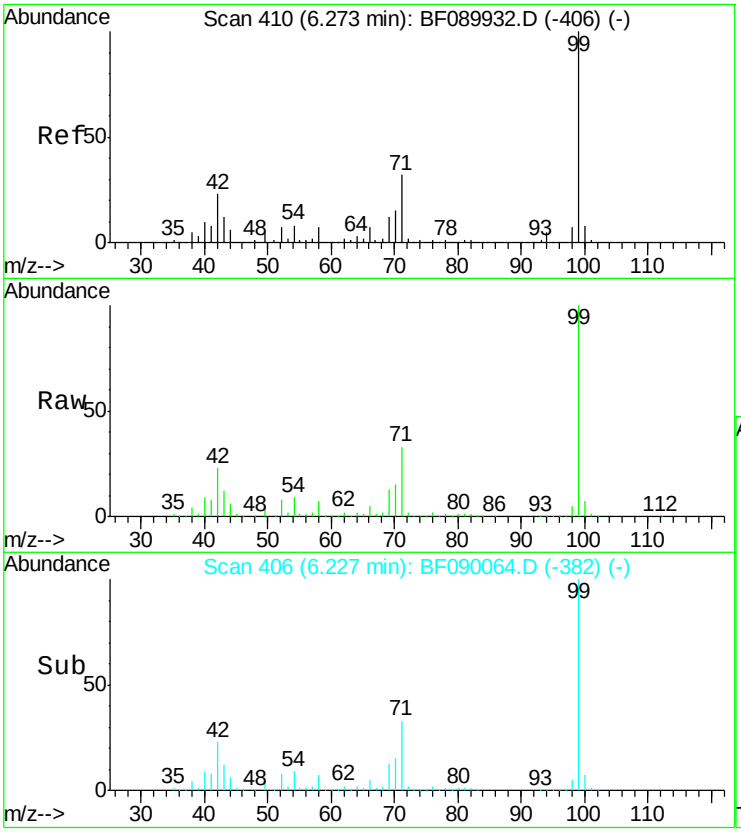




#5
2-Fluorophenol
Concen: 105.67 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.01 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:112 Resp: 1317361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 46.2 | 41.1 | 61.7 |
| 63 | 23.8 | 21.2 | 31.8 |



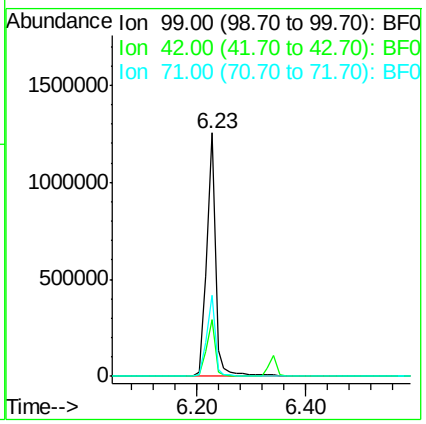


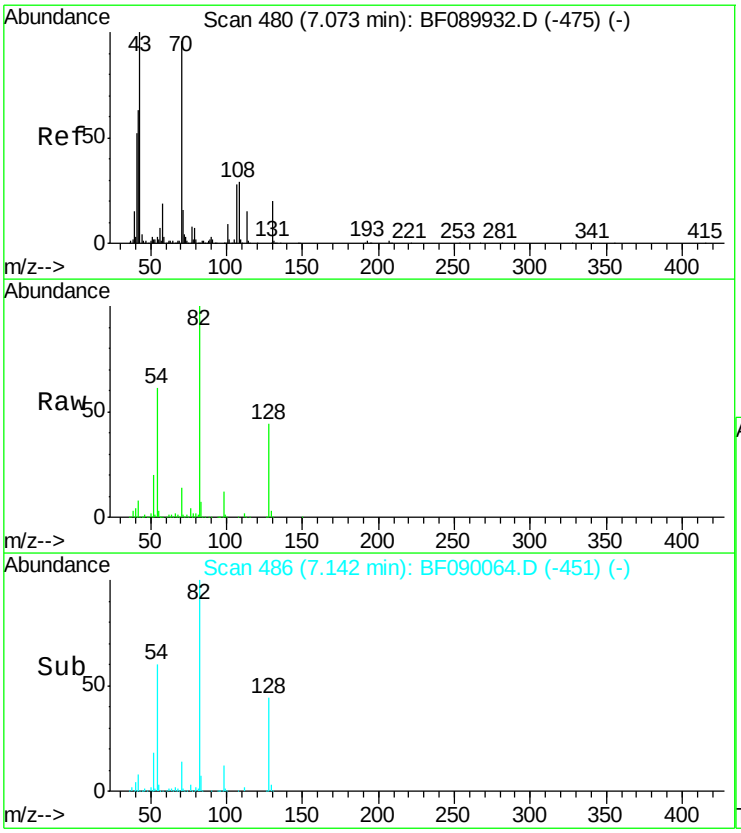

#7
Phenol-d6
Concen: 94.79 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion: 99 Resp: 1435785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.3 | 18.6 | 27.8 |
| 71 | 33.5 | 25.8 | 38.6 |

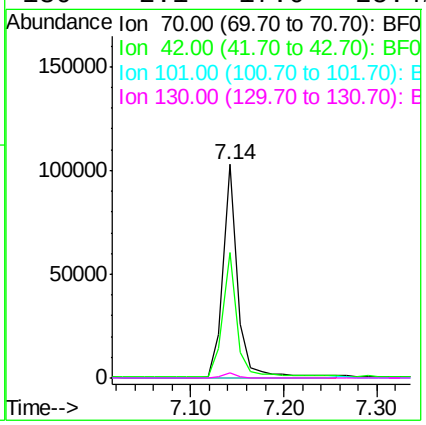


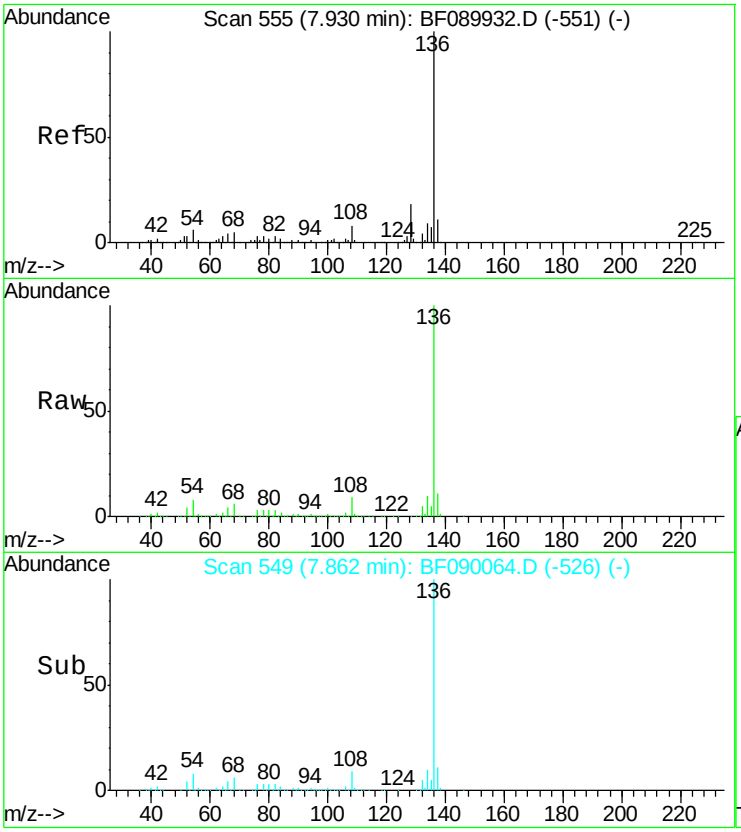




#19
n-Nitroso-di-n-propylamine
Concen: 11.70 ng
RT: 7.14 min Scan# 486
Delta R.T. 0.10 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion: 70 Resp: 115509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.9 | 52.1 | 78.1 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.1 | 17.0 | 25.4# |



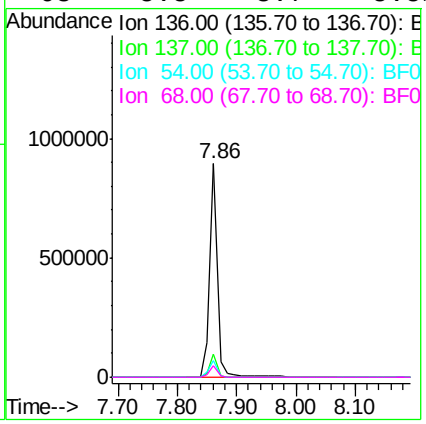


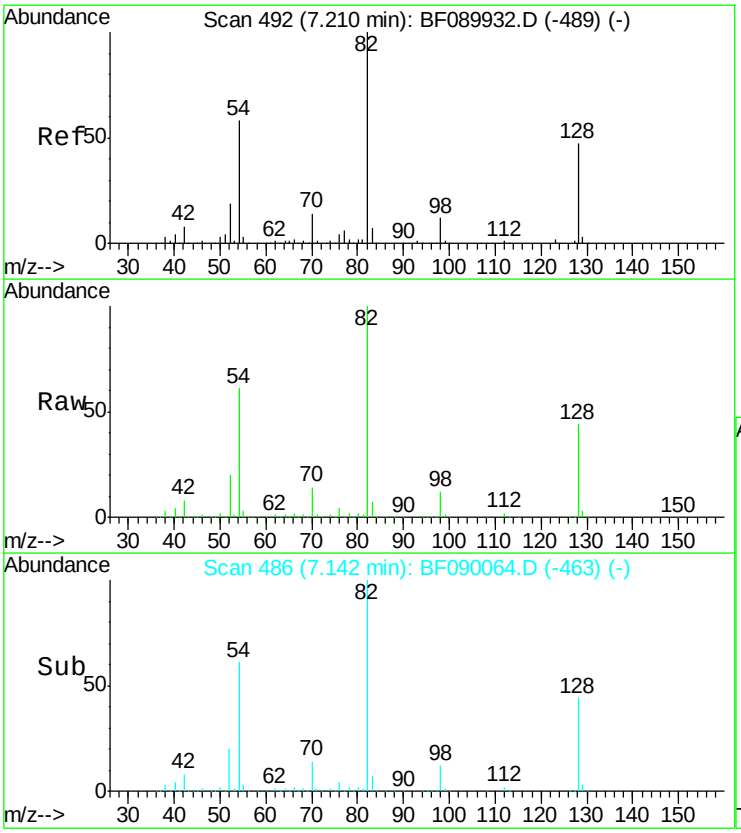

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:136 Resp: 812813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.3 | 12.5 |
| 54 | 8.0 | 4.8 | 7.2# |
| 68 | 5.5 | 3.7 | 5.5# |

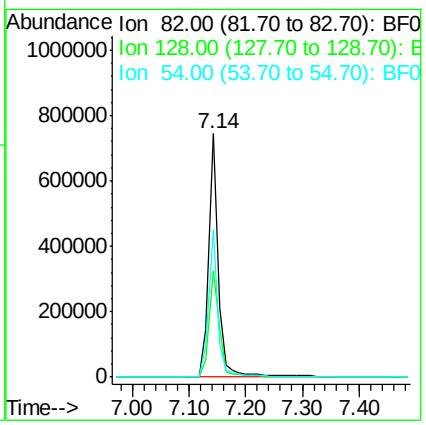


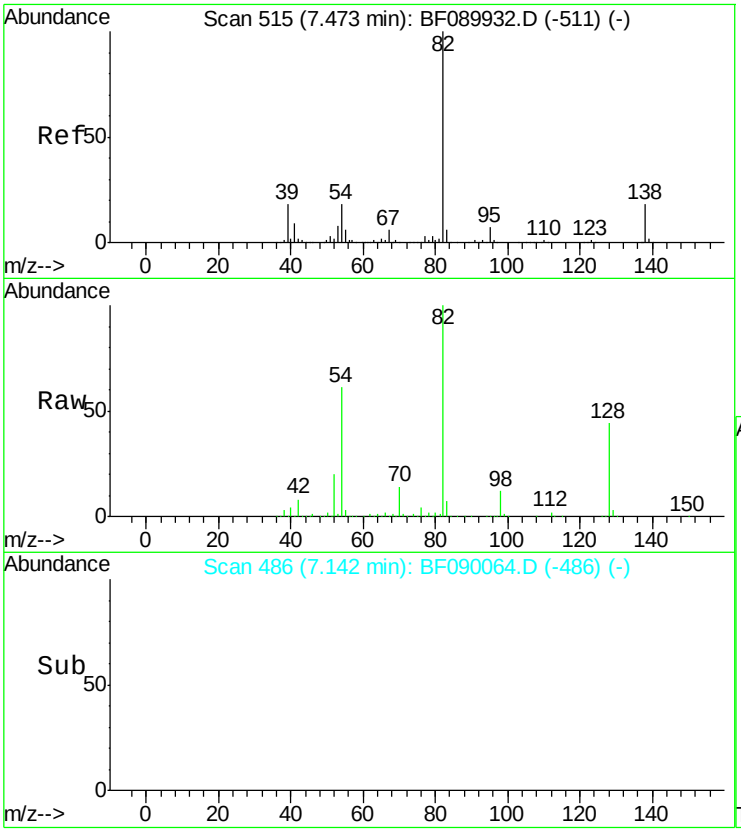




#23
Nitrobenzene-d5
Concen: 61.33 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion: 82 Resp: 859576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 37.8 | 56.8 |
| 54 | 60.6 | 46.9 | 70.3 |



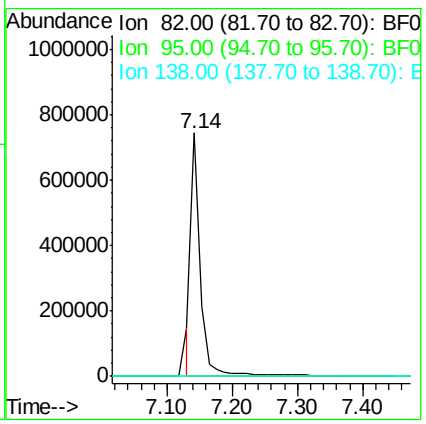


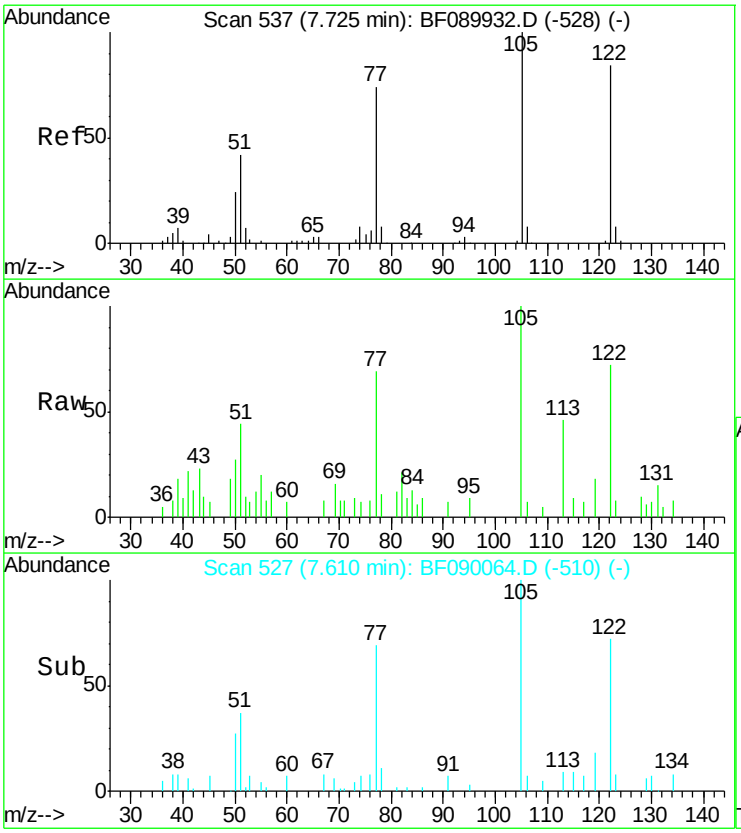

#25
Isophorone
Concen: 25.43 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.30 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion: 82 Resp: 724878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.1 | 5.5 | 8.3# |
| 138 | 0.0 | 14.4 | 21.6# |

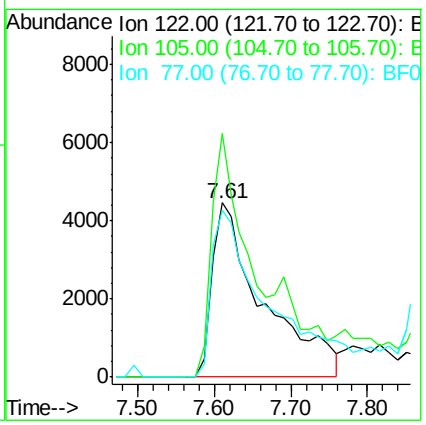


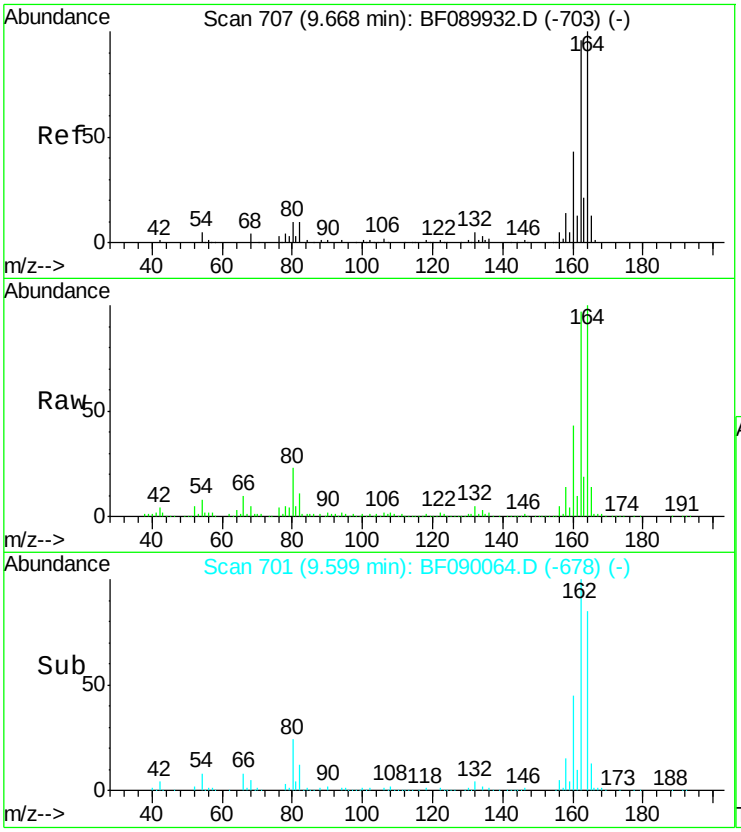




#32
Benzoic acid
Concen: 2.32 ng
RT: 7.61 min Scan# 527
Delta R.T. -0.10 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:122 Resp: 20628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 139.8 | 102.2 | 142.2 |
| 77 | 95.8 | 74.1 | 114.1 |



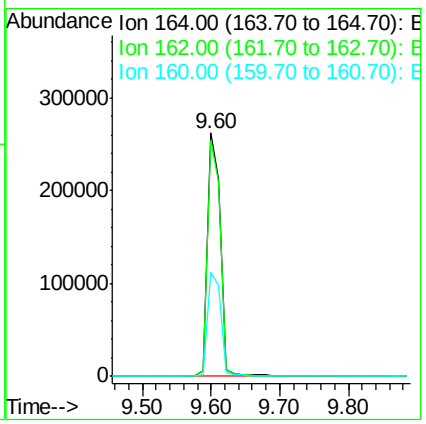


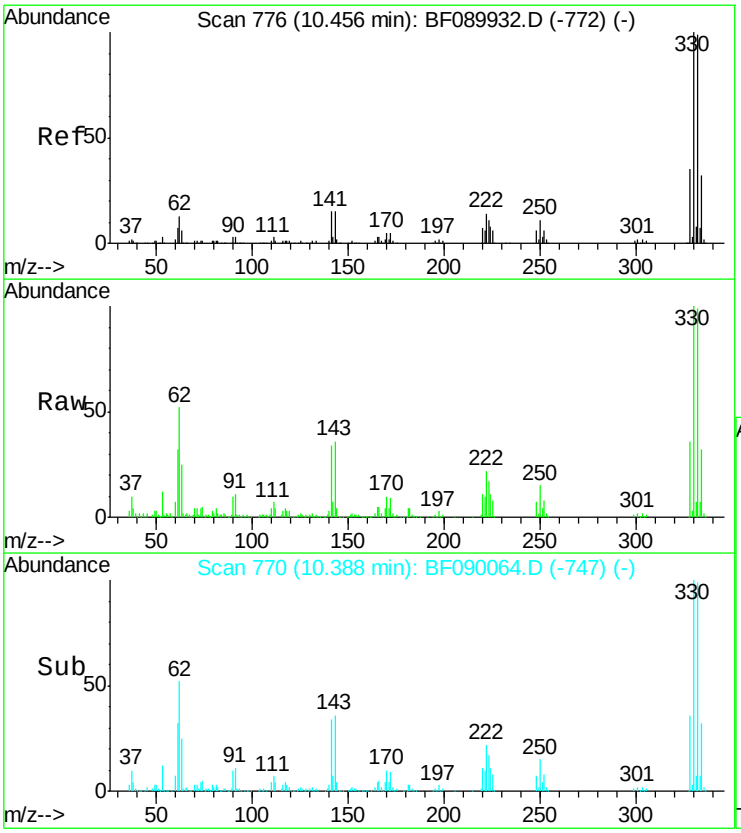

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:164 Resp: 344532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.8 | 77.1 | 115.7 |
| 160 | 42.9 | 35.3 | 52.9 |

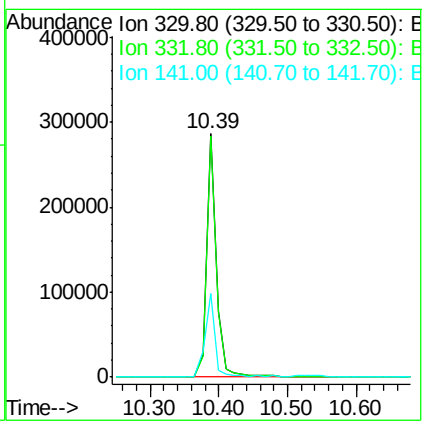


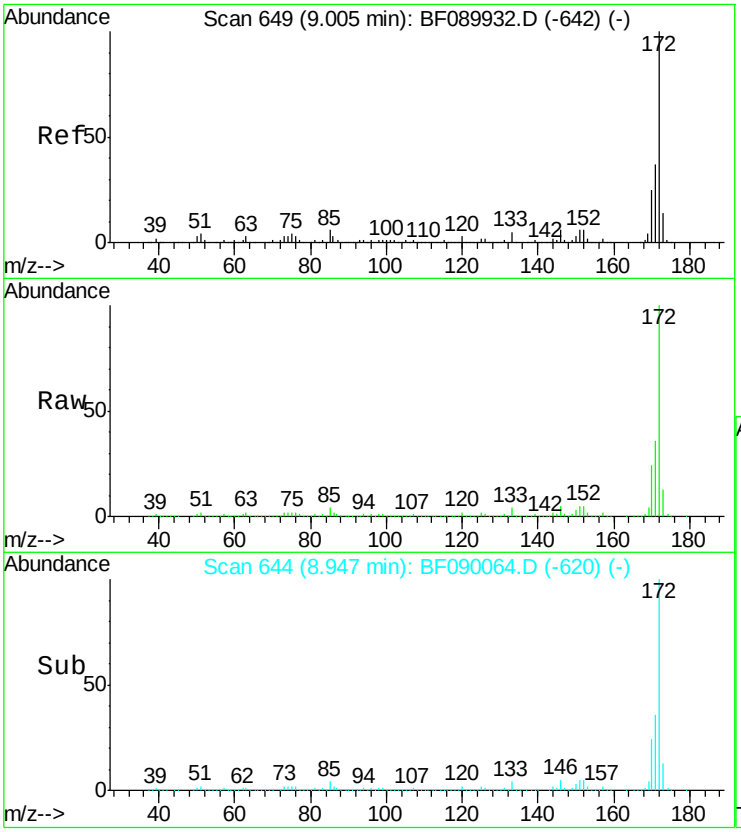




#41
2,4,6-Tribromophenol
Concen: 85.24 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:330 Resp: 289753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.8 | 78.6 | 117.8 |
| 141 | 33.9 | 23.3 | 34.9 |



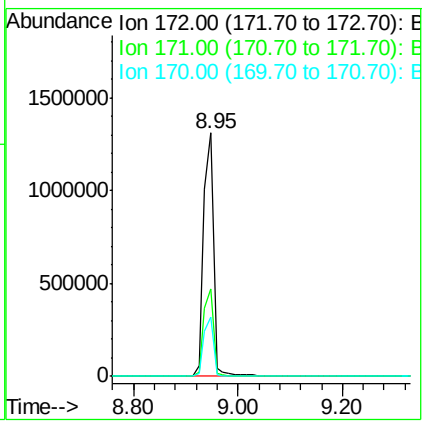


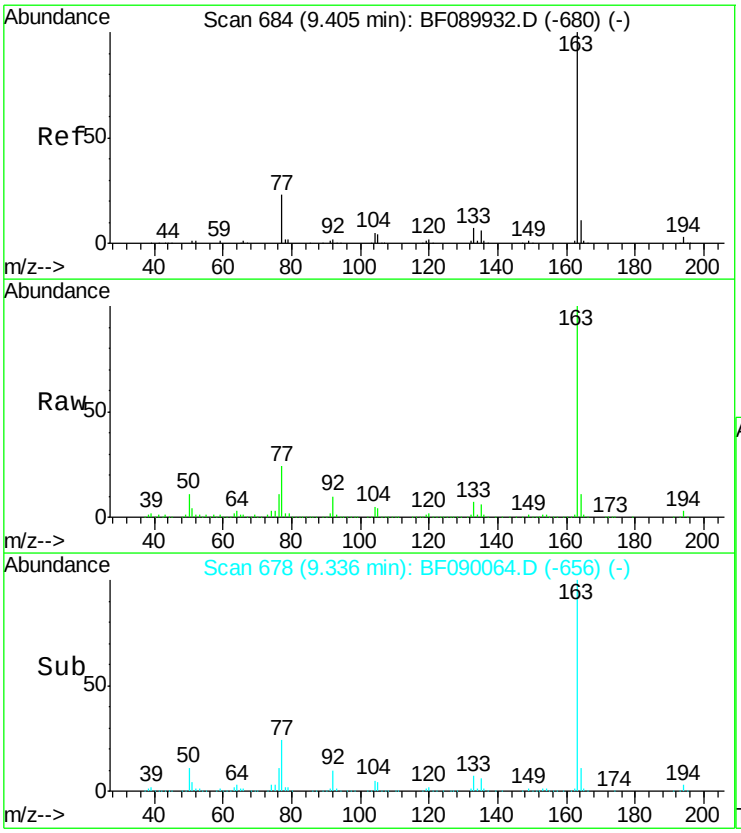

#44
2-Fluorobiphenyl
Concen: 82.61 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:172 Resp: 1733922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 29.4 | 44.2 |
| 170 | 24.2 | 20.1 | 30.1 |

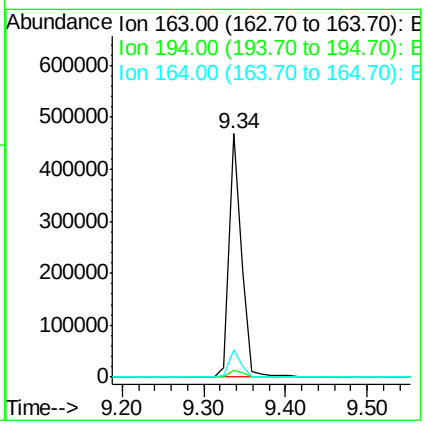


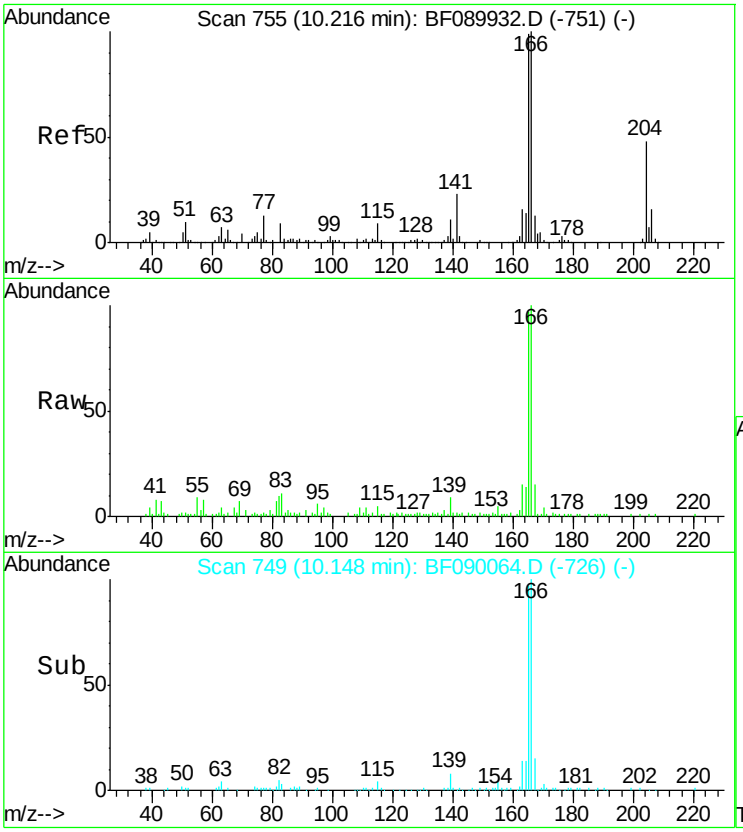




#49
Dimethylphthalate
Concen: 19.67 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:163 Resp: 489820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.0 | 2.7 | 4.1 |
| 164 | 11.0 | 9.0 | 13.4 |



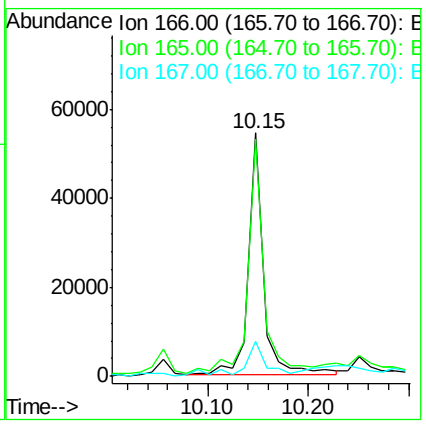


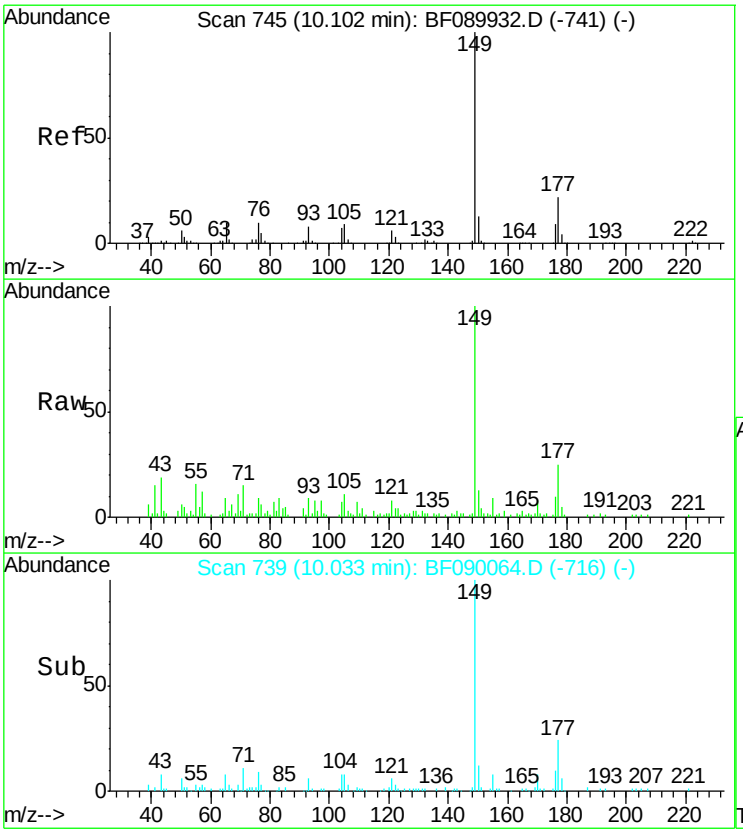

#57
Fluorene
Concen: 2.81 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:166 Resp: 56633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 78.6 | 118.0 |
| 167 | 14.6 | 10.6 | 15.8 |

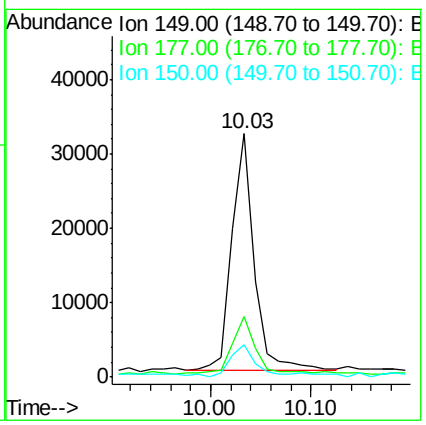


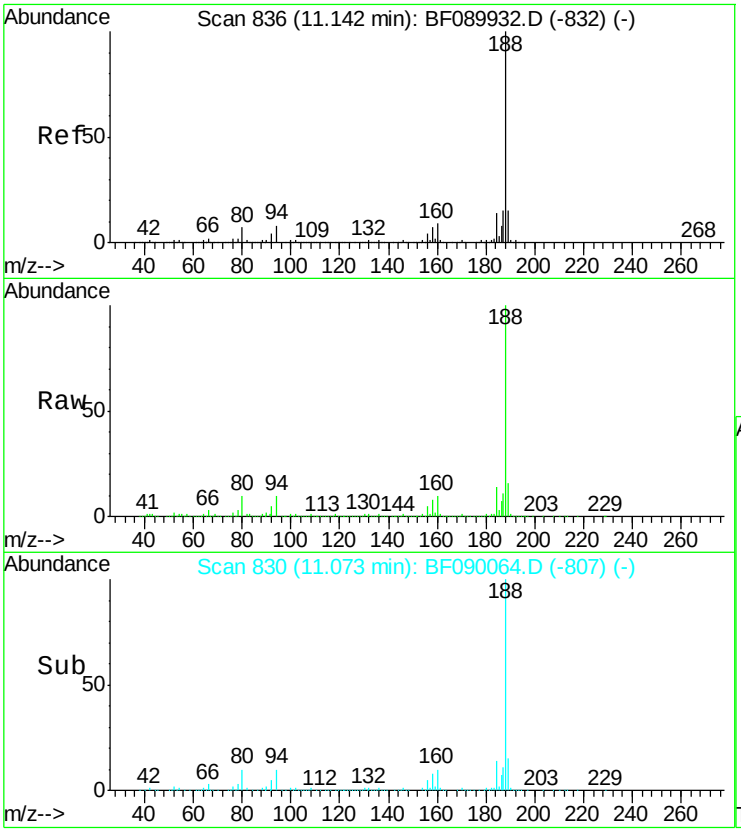




#59
Diethylphthalate
Concen: 2.08 ng
RT: 10.03 min Scan# 739
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:149 Resp: 48839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 24.8 | 17.7 | 26.5 |
| 150 | 13.1 | 10.2 | 15.2 |



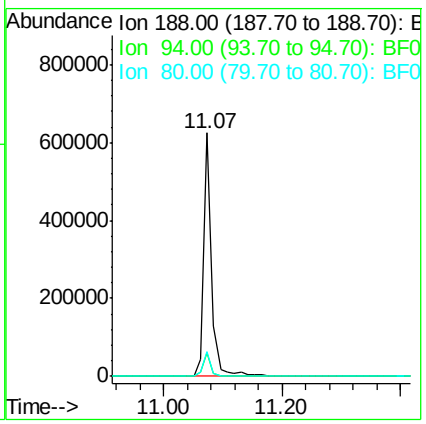


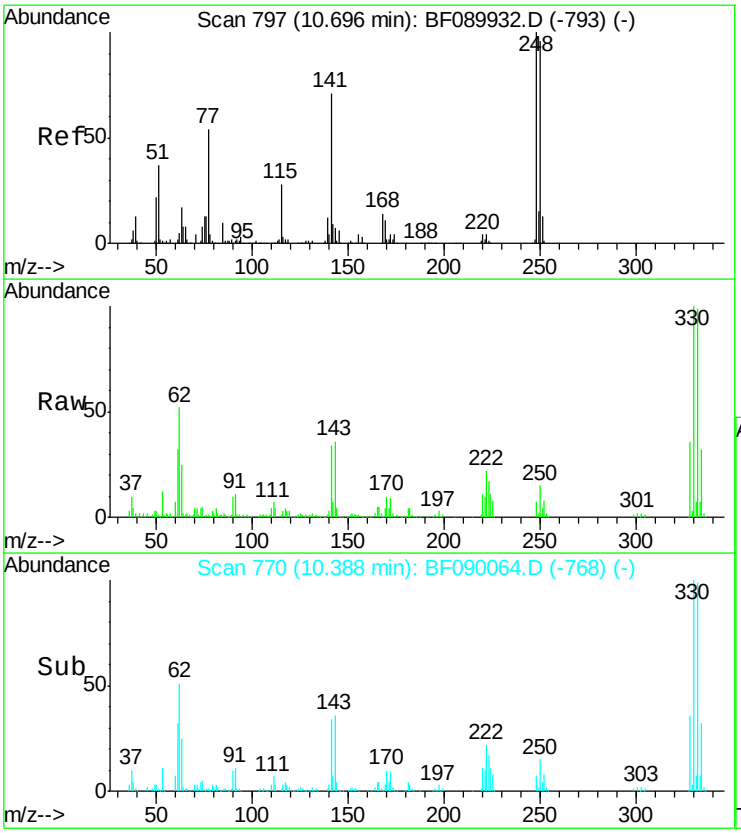

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:188 Resp: 595605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.6 | 5.9 | 8.9# |
| 80 | 10.0 | 5.8 | 8.8# |

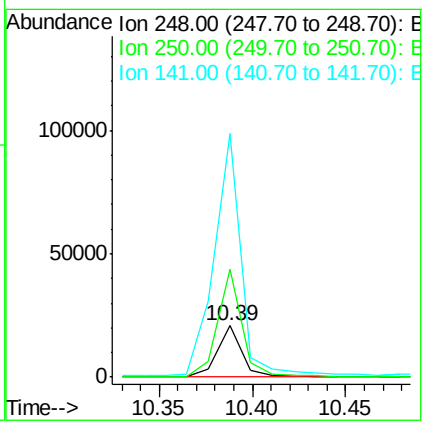


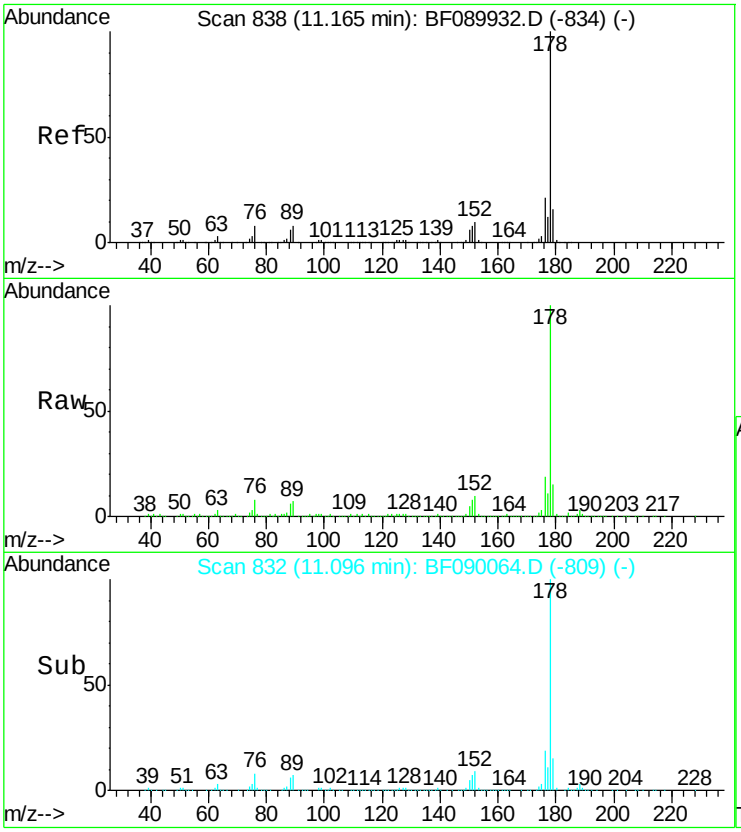




#66
4-Bromophenyl-phenylether
Concen: 3.18 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.27 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:248 Resp: 19089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 210.7 | 77.3 | 115.9# |
| 141 | 476.8 | 55.8 | 83.8# |



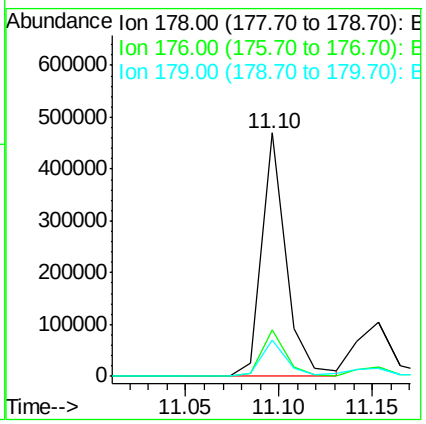


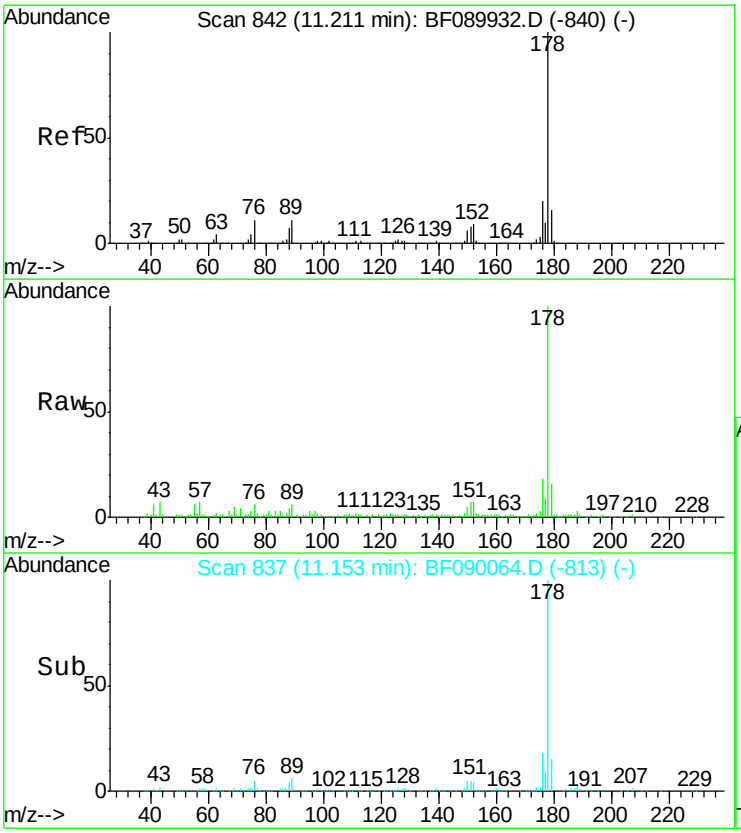

#70
Phenanthrene
Concen: 14.16 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:178 Resp: 420131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 16.5 | 24.7 |
| 179 | 15.1 | 12.8 | 19.2 |

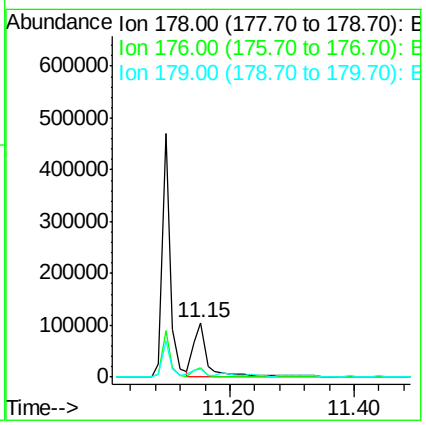


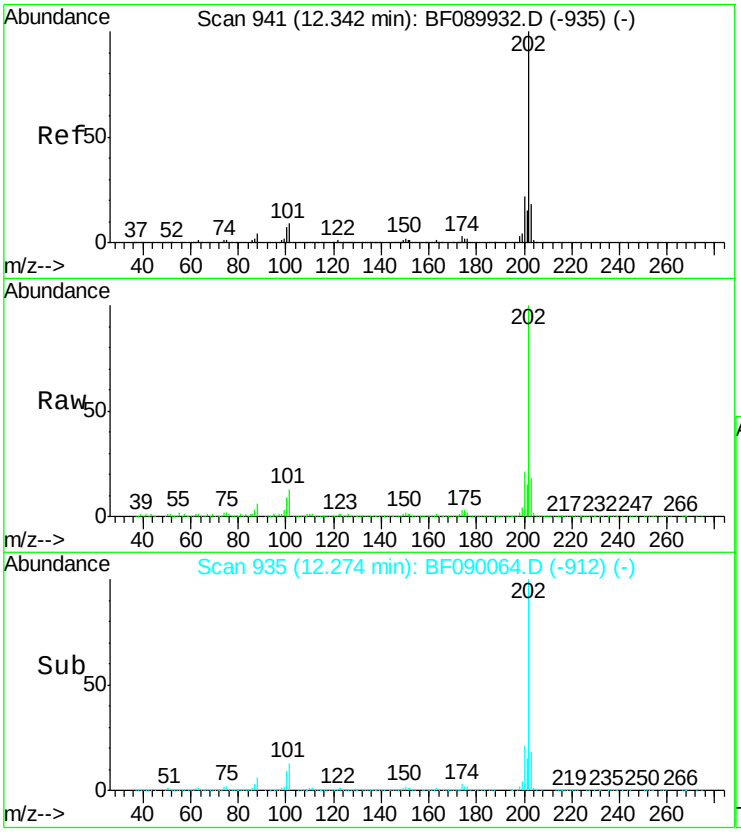




#71
Anthracene
Concen: 5.48 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:178 Resp: 164879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.9 | 15.8 | 23.8 |
| 179 | 15.6 | 13.0 | 19.4 |



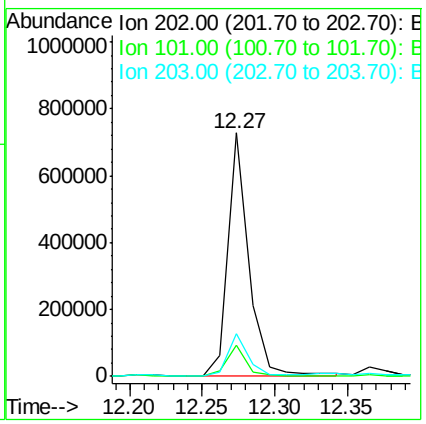


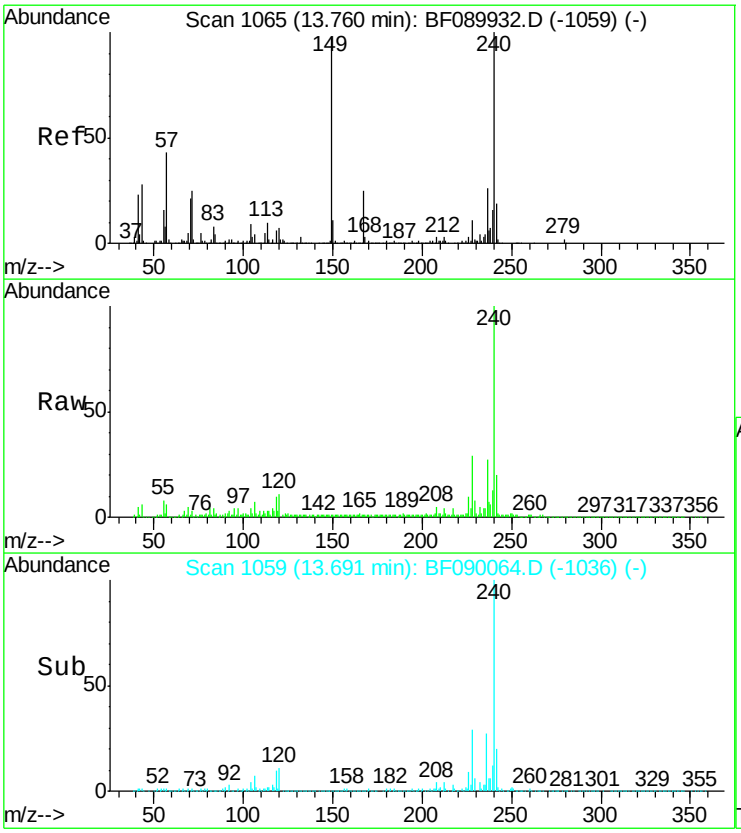

#74
Fluoranthene
Concen: 23.26 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:202 Resp: 722879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 28.5 |
| 203 | 17.7 | 0.0 | 38.0 |

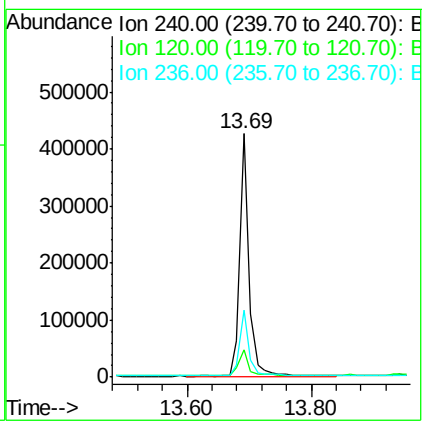


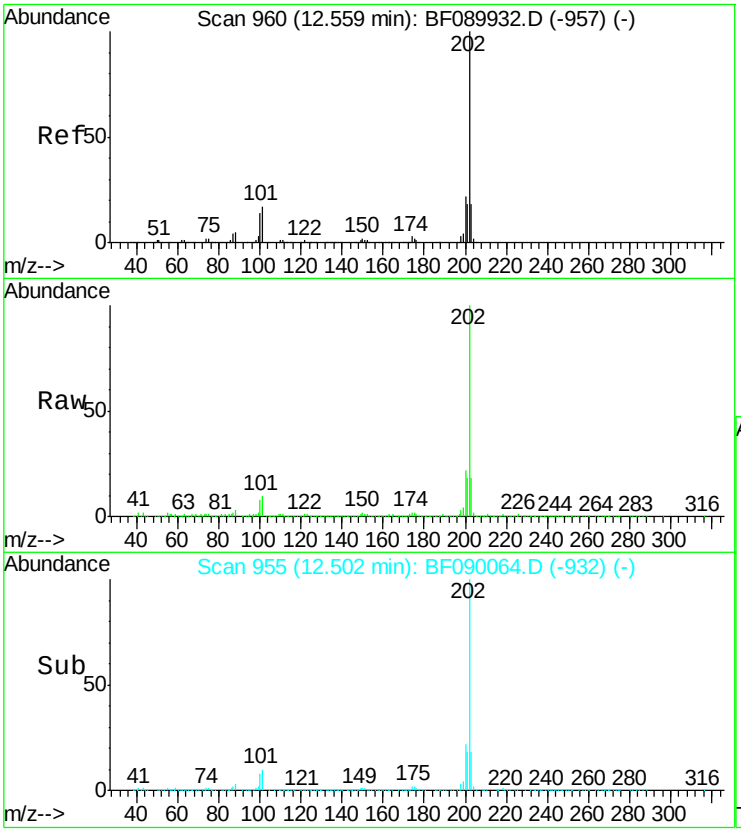




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:240 Resp: 449323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 5.7 | 8.5# |
| 236 | 27.3 | 21.3 | 31.9 |



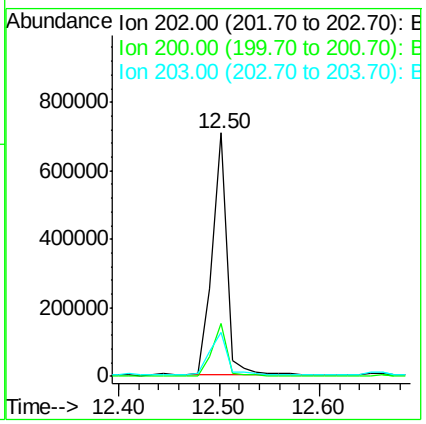


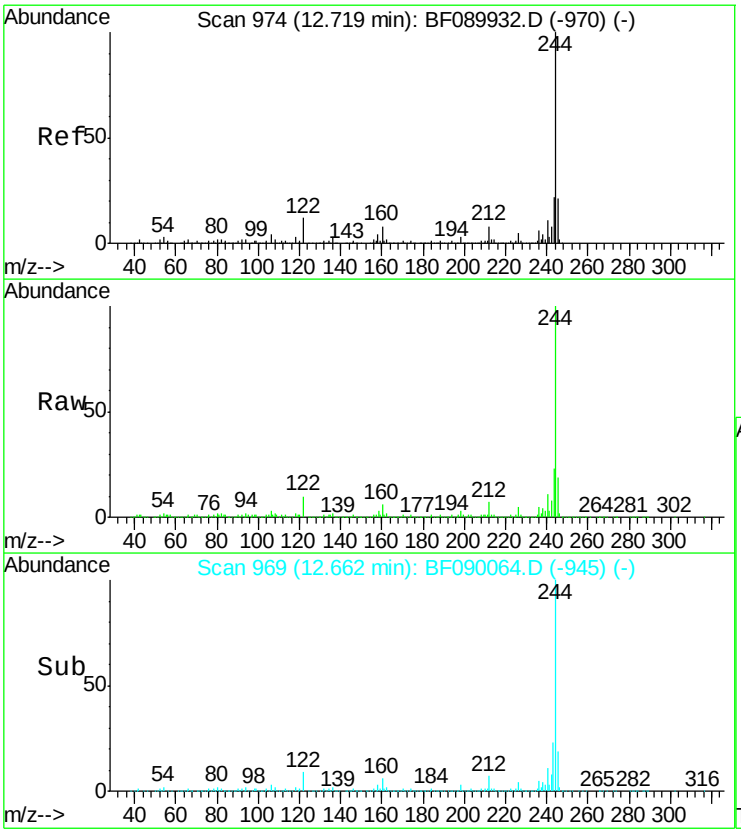

#77
Pyrene
Concen: 22.98 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:202 Resp: 727944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 17.6 | 26.4 |
| 203 | 18.2 | 14.6 | 21.8 |

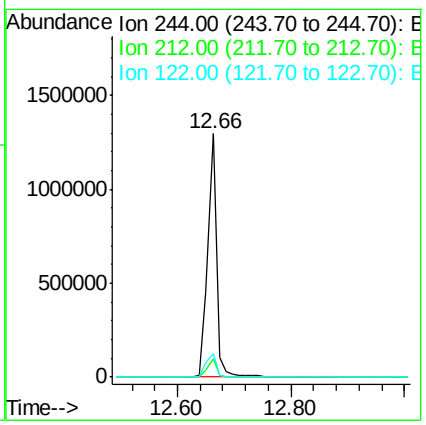


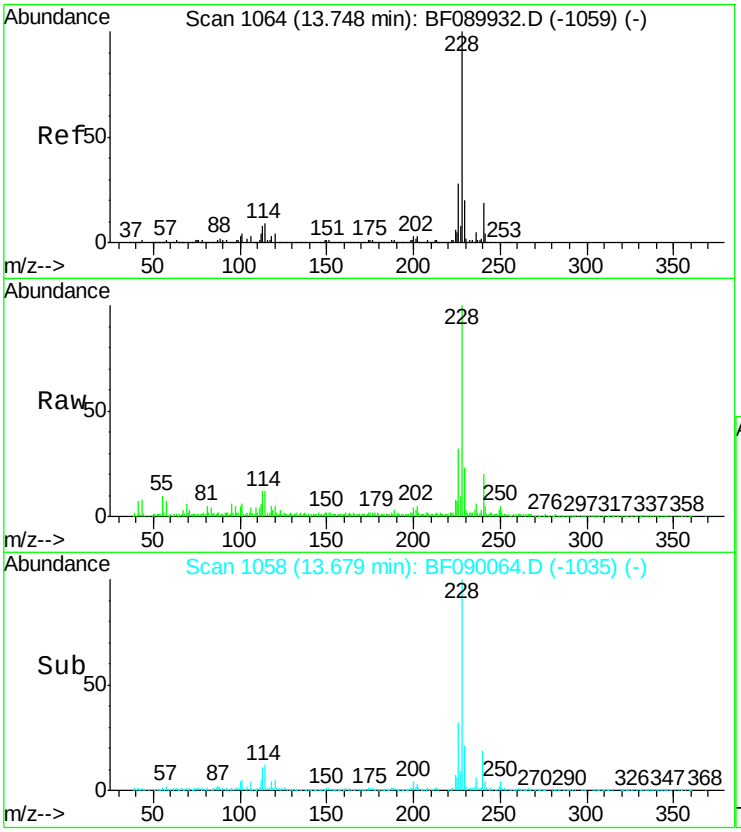




#78
Terphenyl-d14
Concen: 74.51 ng
RT: 12.66 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:244 Resp: 1355329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.1 | 9.1 |
| 122 | 9.5 | 9.6 | 14.4# |



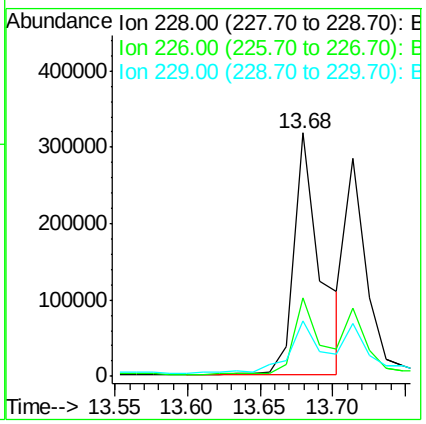


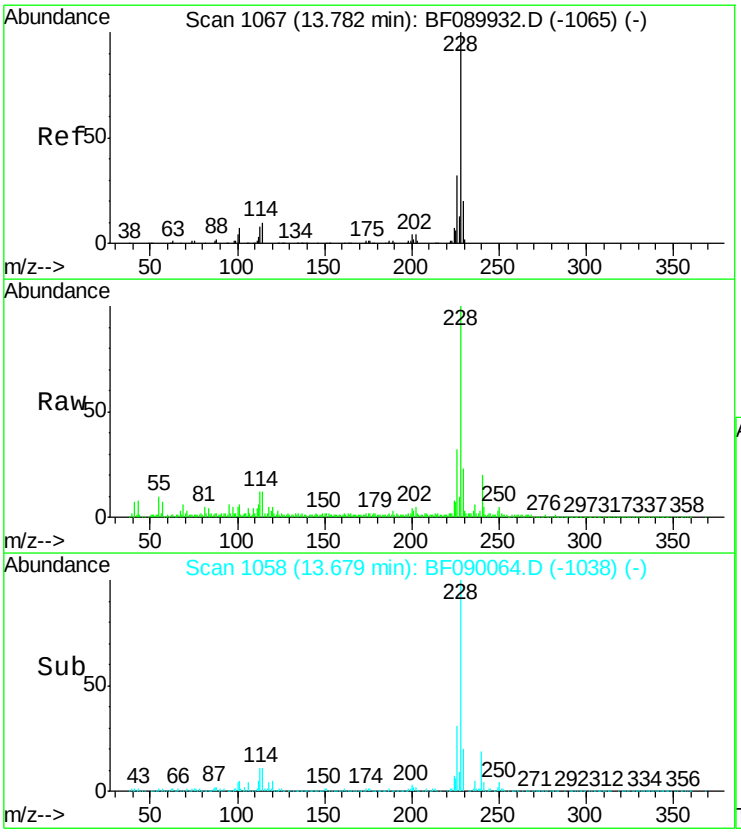

#80
Benzo(a)anthracene
Concen: 14.72 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:228 Resp: 405227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 22.2 | 33.2 |
| 229 | 22.6 | 15.8 | 23.6 |

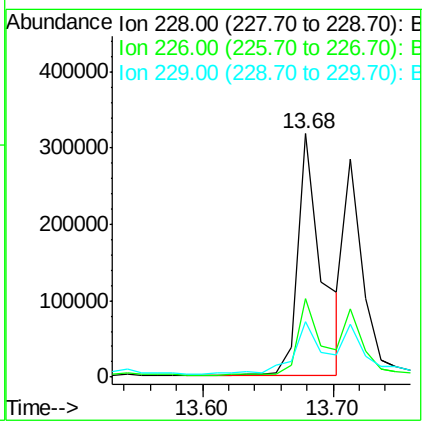


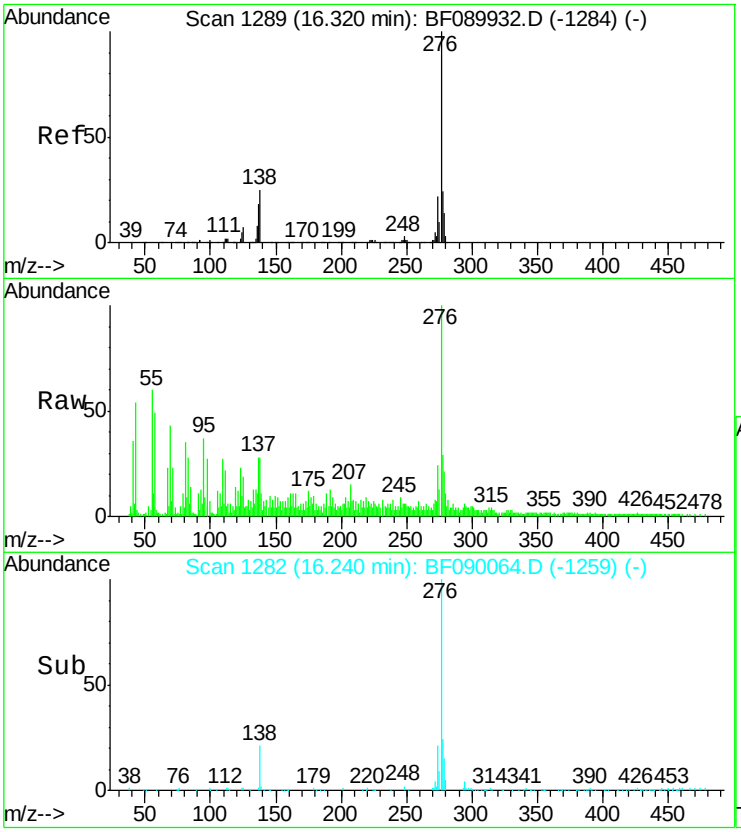




#82
Chrysene
Concen: 15.79 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.07 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:228 Resp: 405995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 25.2 | 37.8 |
| 229 | 22.6 | 16.2 | 24.2 |



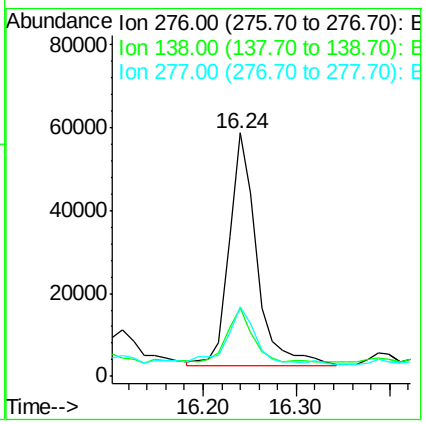


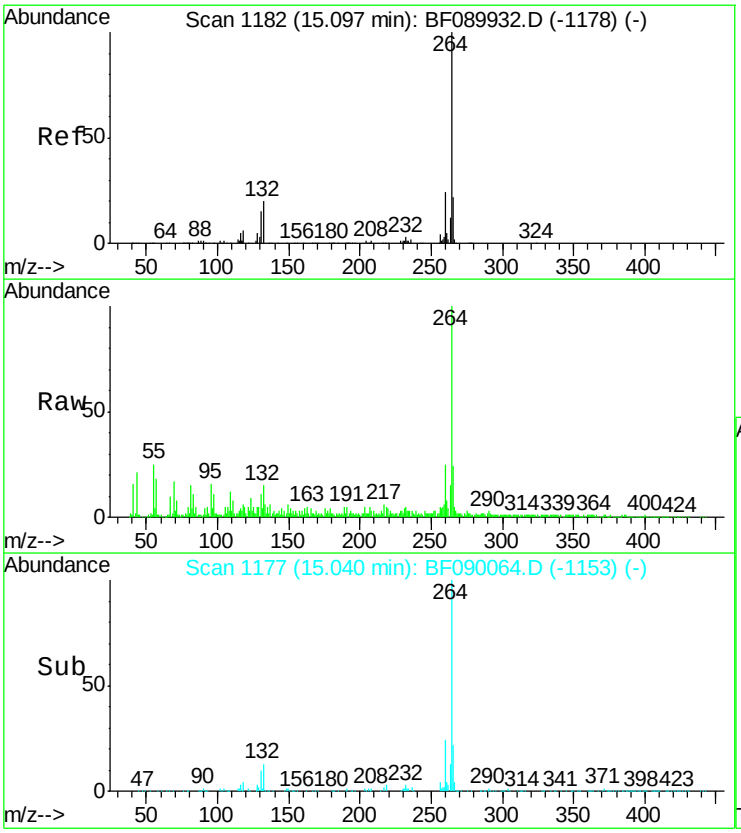

#85
Indeno(1,2,3-cd)pyrene
Concen: 6.08 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:276 Resp: 115525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 22.6 | 34.0# |
| 277 | 24.1 | 20.1 | 30.1 |

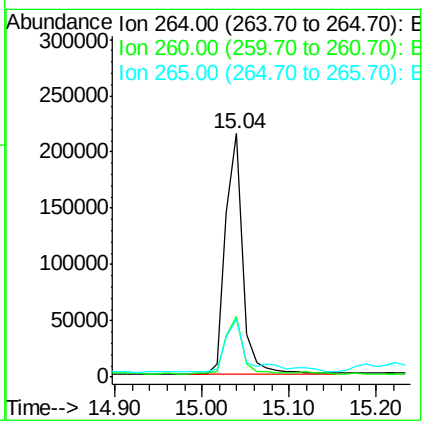


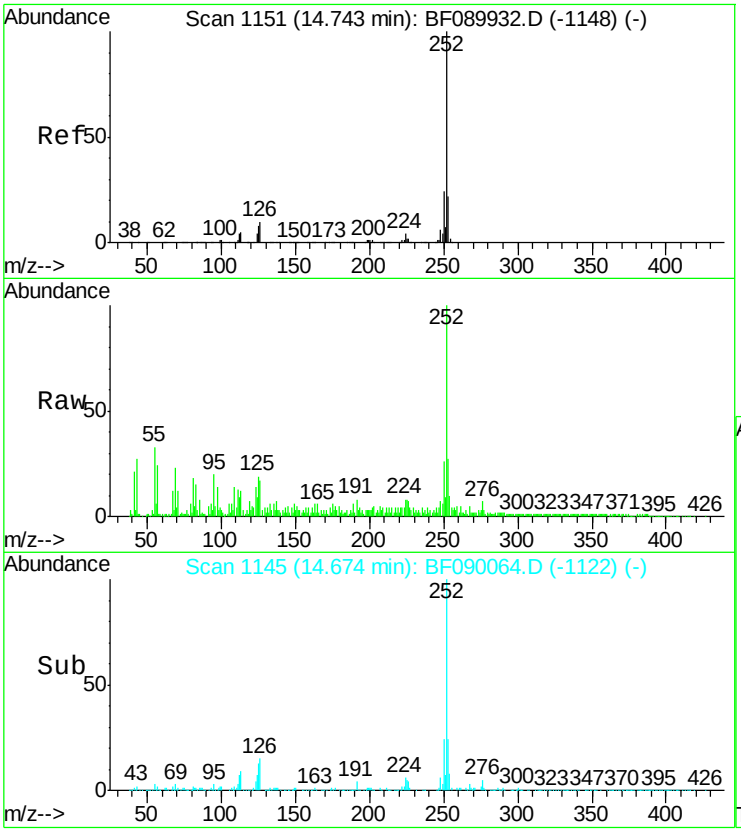




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:264 Resp: 299695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.1 | 19.4 | 29.0 |
| 265 | 23.8 | 17.4 | 26.2 |



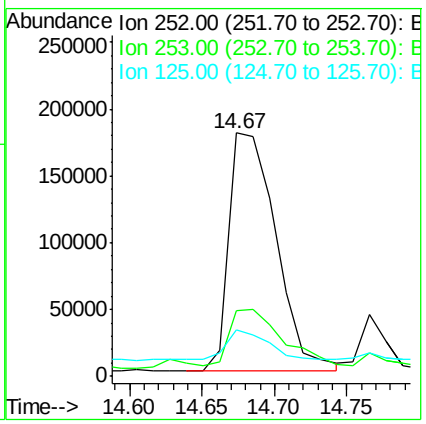


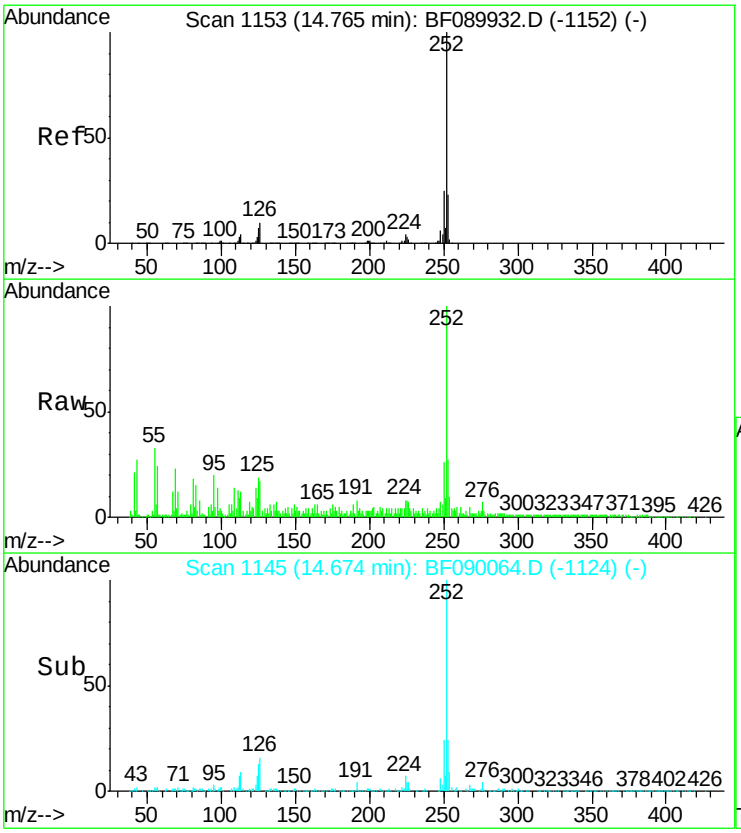

#87
Benzo(b)fluoranthene
Concen: 21.25 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:252 Resp: 399054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.8 | 18.0 | 27.0 |
| 125 | 19.2 | 5.7 | 8.5# |

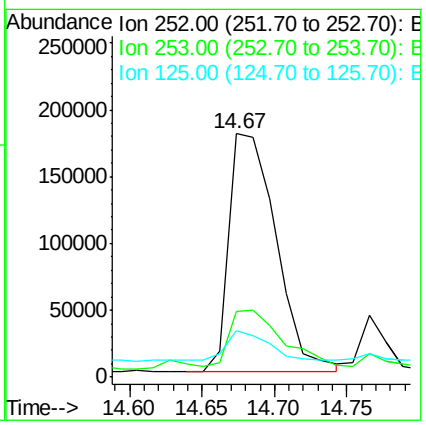


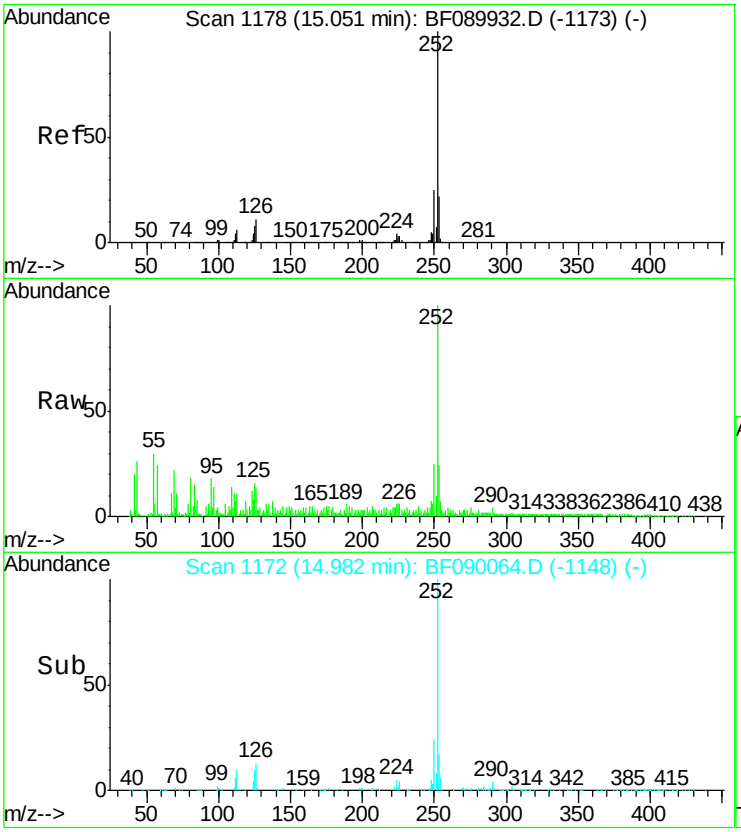




#88
Benzo(k)fluoranthene
Concen: 25.05 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.06 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:252 Resp: 399054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.8 | 17.8 | 26.8# |
| 125 | 19.2 | 7.3 | 10.9# |



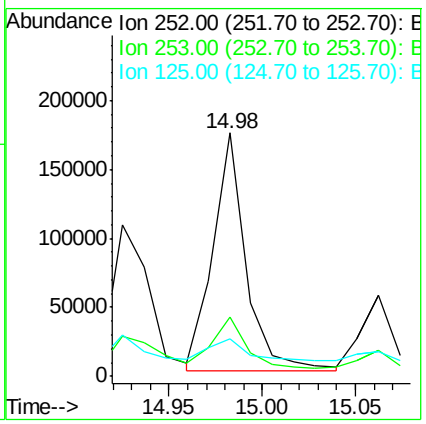


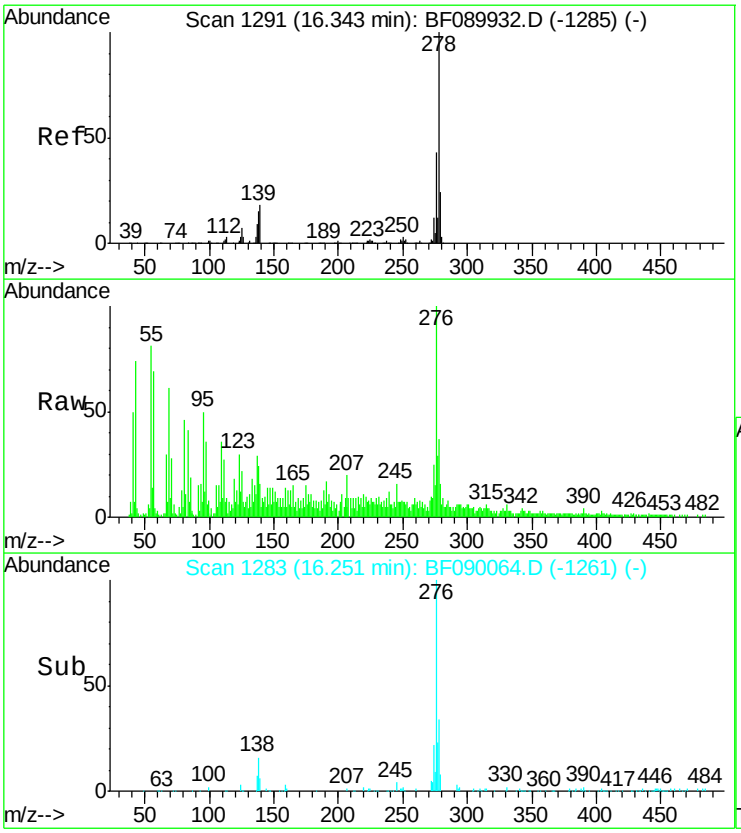

#89
Benzo(a)pyrene
Concen: 13.31 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:252 Resp: 214142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.5 | 26.3 |
| 125 | 15.6 | 6.3 | 9.5# |

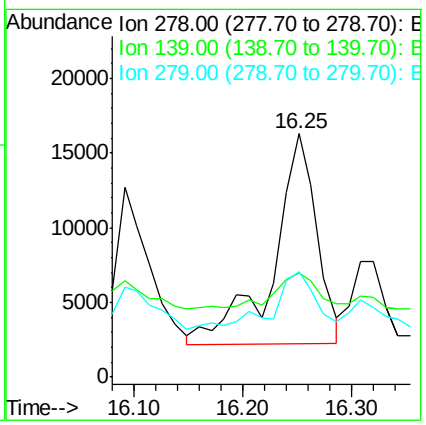


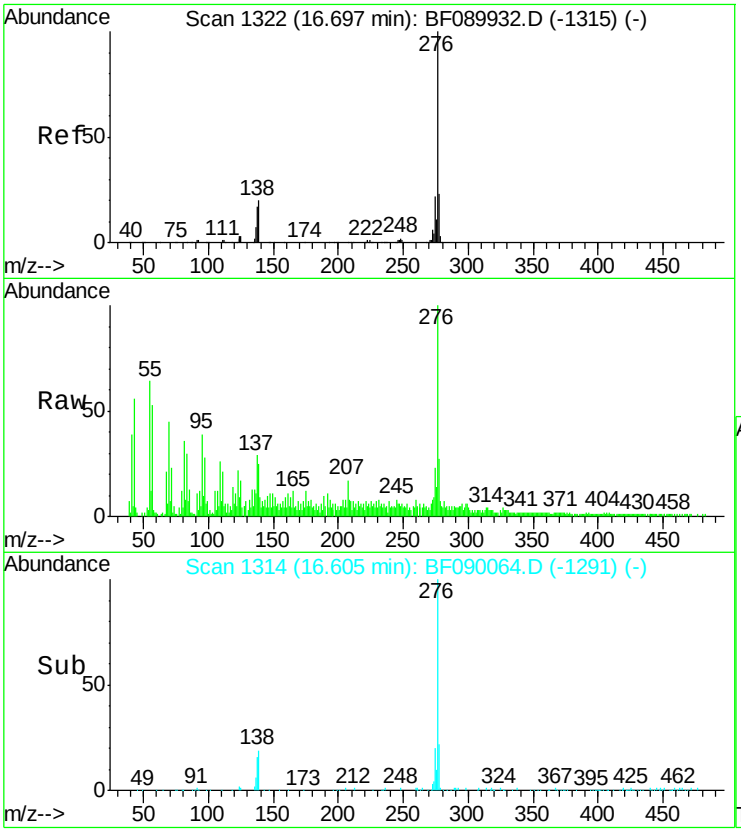




#90
Dibenzo(a,h)anthracene
Concen: 3.34 ng
RT: 16.25 min Scan# 1283
Delta R.T. -0.05 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:278 Resp: 39412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 42.6 | 13.4 | 20.2# |
| 279 | 43.3 | 19.4 | 29.2# |






#91
Benzo(g,h,i)perylene
Concen: 8.94 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

**Instrument :**
BNA_F
**ClientSampleId :**
EME-BAYSHORE-EMBANKMENT

Tgt Ion:276 Resp: 106087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.1 | 19.0 | 28.4 |
| 138 | 24.8 | 16.4 | 24.6# |