Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095578.D
Acq On : 31 May 2017 22:49
Operator : SJ/MA
Sample : I3341-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jun 01 01:37:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 215243 | 20.00 | ng | | 0.05 |
| 21) Naphthalene-d8 | 9.58 | 136 | 374351 | 20.00 | ng | | -0.18 |
| 38) Acenaphthene-d10 | 12.41 | 164 | 162609 | 20.00 | ng | | -0.19 |
| 63) Phenanthrene-d10 | 14.81 | 188 | 261234 | 20.00 | ng | | -0.19 |
| 75) Chrysene-d12 | 18.51 | 240 | 221177 | 20.00 | ng | | -0.17 |
| 86) Perylene-d12 | 20.18 | 264 | 168030 | 20.00 | ng | | -0.18 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 482208 | 37.35 | ng | | -0.25 |
| 7) Phenol-d6 | 7.10 | 99 | 706953 | 45.64 | ng | | -0.19 |
| 23) Nitrobenzene-d5 | 8.47 | 82 | 350750 | 59.08 | ng | | -0.19 |
| 41) 2,4,6-Tribromophenol | 13.71 | 330 | 113602 | 85.30 | ng | | -0.19 |
| 44) 2-Fluorobiphenyl | 11.36 | 172 | 701908 | 62.13 | ng | | -0.18 |
| 78) Terphenyl-d14 | 17.15 | 244 | 372112 | 37.06 | ng | | -0.17 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 8.46 | 70 | 44450 | 4.24 | ng | # | 78 |
| 49) Dimethylphthalate | 12.05 | 163 | 148219 | 11.10 | ng | | 100 |
| 70) Phenanthrene | 14.85 | 178 | 38552 | 2.57 | ng | | 99 |
| 71) Anthracene | 14.85 | 178 | 38552 | 2.51 | ng | | 98 |
| 74) Fluoranthene | 16.61 | 202 | 75777 | 4.92 | ng | | 98 |
| 76) Benzidine | 16.92 | 184 | 127 | 6.61 | ng | # | 62 |
| 77) Pyrene | 16.91 | 202 | 63604 | 3.85 | ng | # | 94 |
| 80) Benzo(a)anthracene | 18.54 | 228 | 36587 | 2.84 | ng | | 95 |
| 82) Chrysene | 18.54 | 228 | 36587 | 2.94 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 21.44 | 276 | 23667 | 2.34 | ng | | 92 |
| 87) Benzo(b)fluoranthene | 19.78 | 252 | 63751 | 6.14 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 19.78 | 252 | 63751 | 6.37 | ng | | 97 |
| 89) Benzo(a)pyrene | 20.13 | 252 | 35746 | 3.73 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 21.80 | 276 | 22639 | 2.92 | ng | | 94 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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Acq On : 31 May 2017 22:49
Operator : SJ/MA
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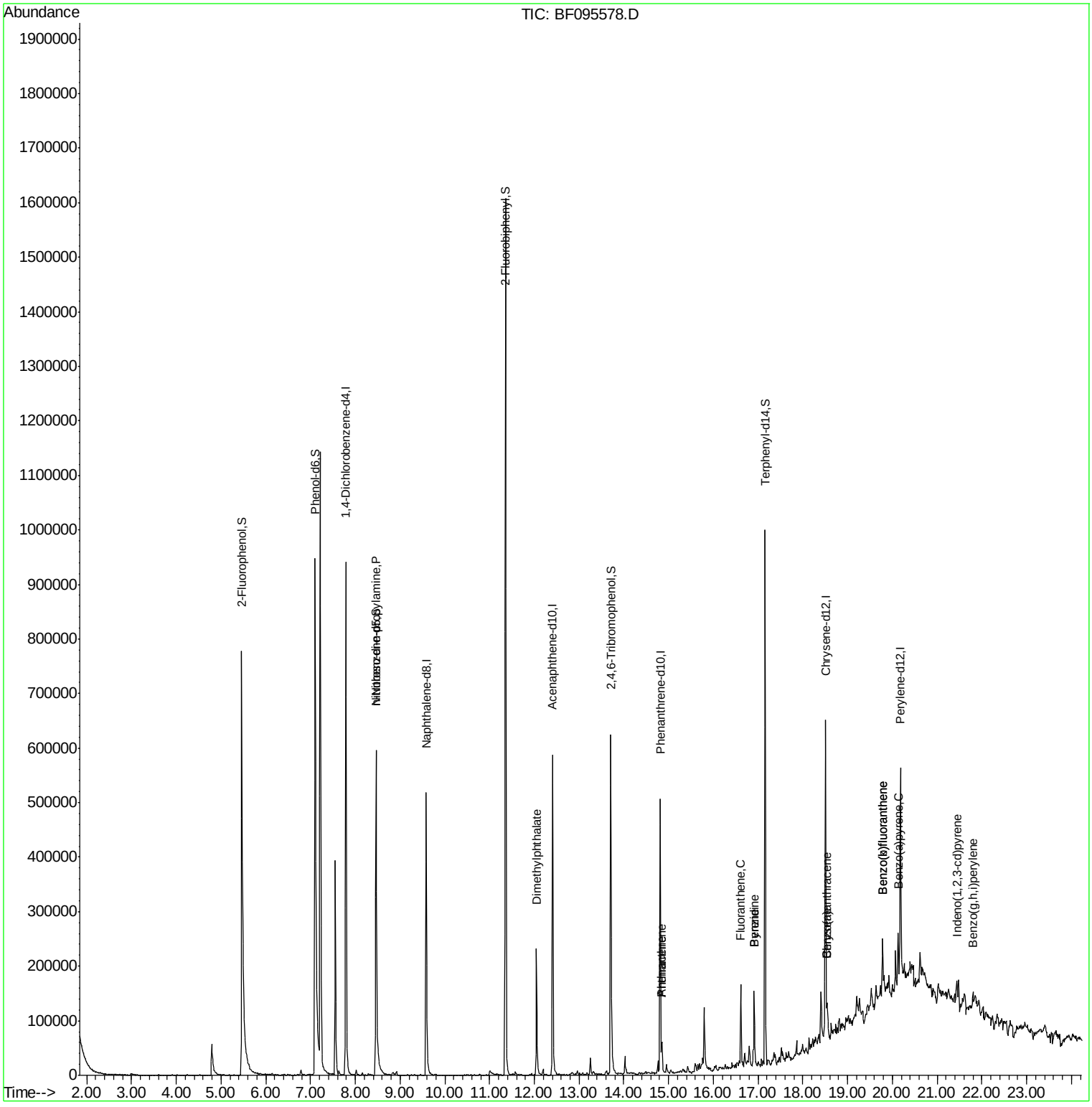
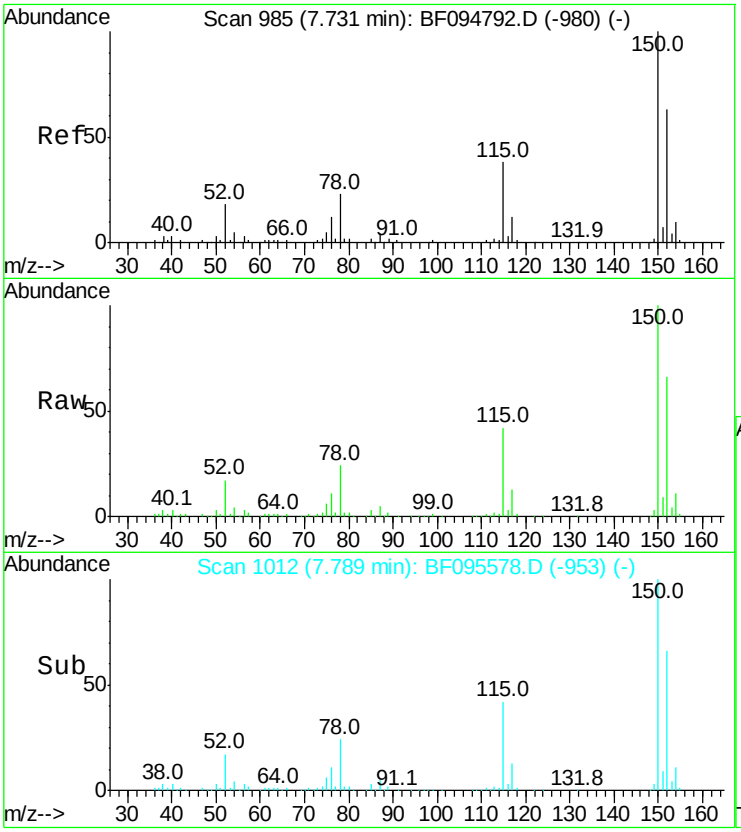
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jun 01 01:37:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration



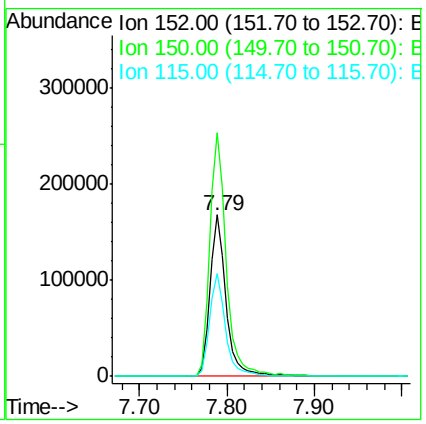


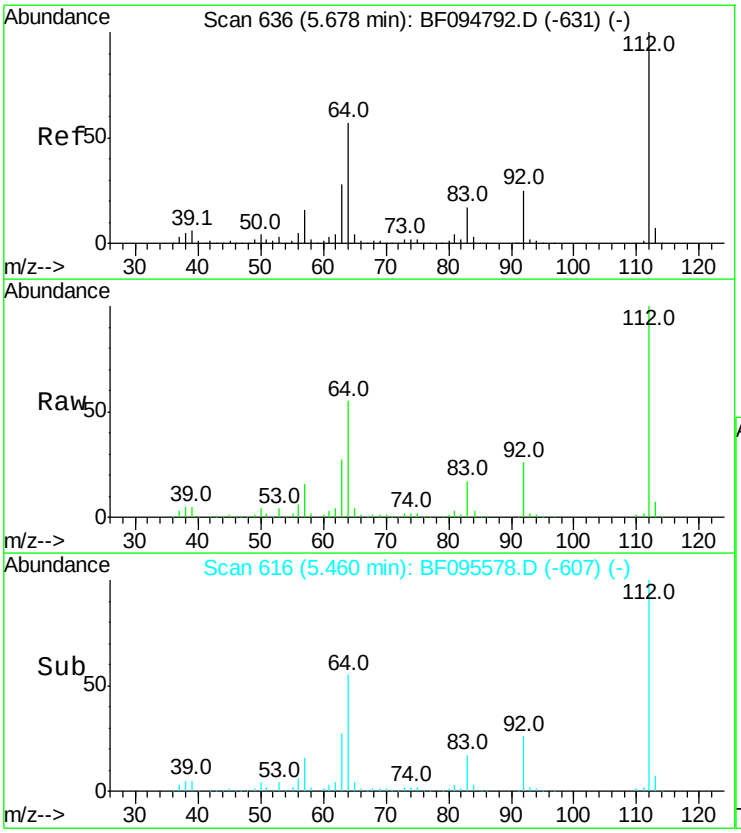

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.79 min Scan# 1012
Delta R.T. 0.05 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:152 Resp: 215243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.1 | 126.2 | 189.2 |
| 115 | 64.2 | 52.2 | 78.2 |

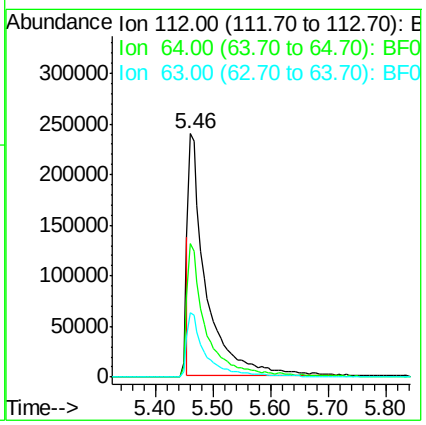


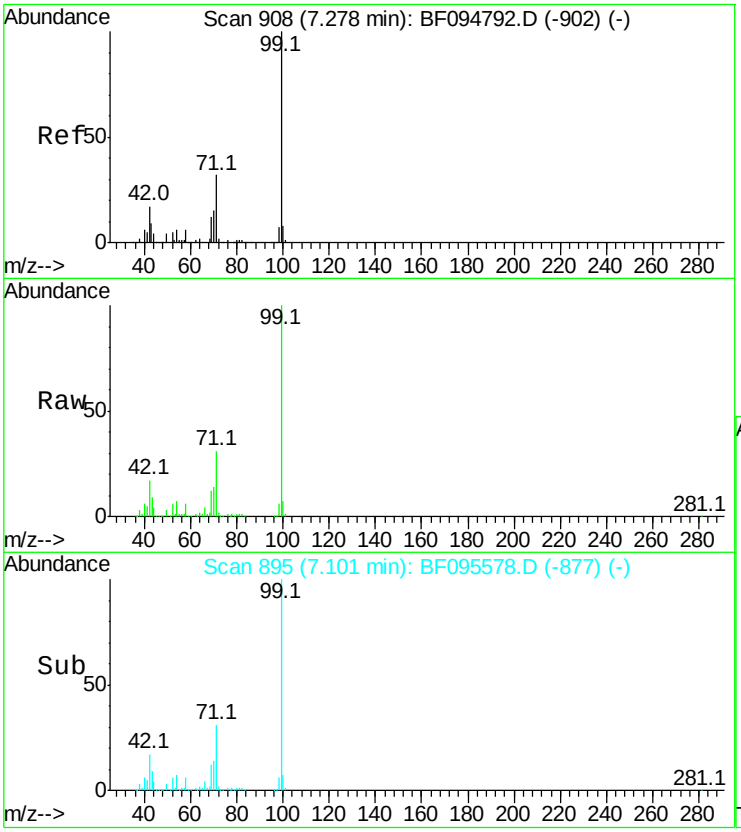




#5
2-Fluorophenol
Concen: 37.35 ng
RT: 5.46 min Scan# 616
Delta R.T. -0.25 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:112 Resp: 482208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.7 | 46.0 | 69.0 |
| 63 | 26.5 | 23.4 | 35.0 |



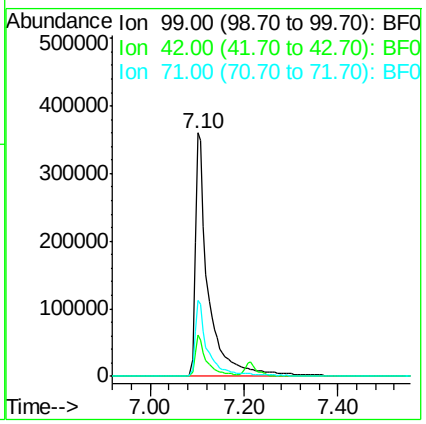


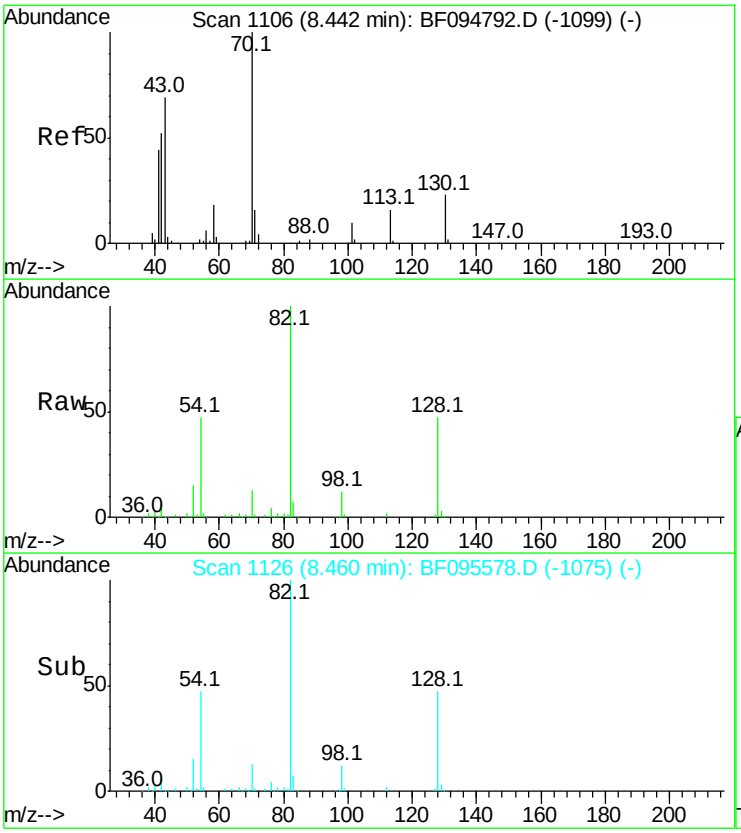

#7
Phenol-d6
Concen: 45.64 ng
RT: 7.10 min Scan# 895
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion: 99 Resp: 706953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.8 | 13.5 | 20.3 |
| 71 | 31.3 | 24.5 | 36.7 |

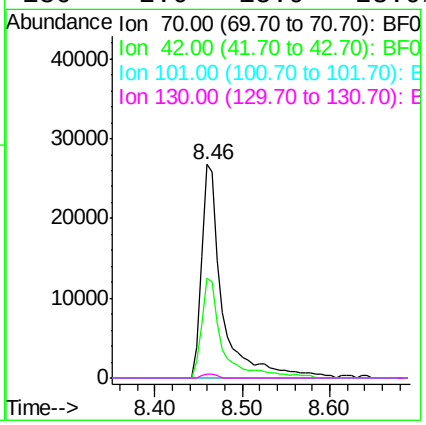


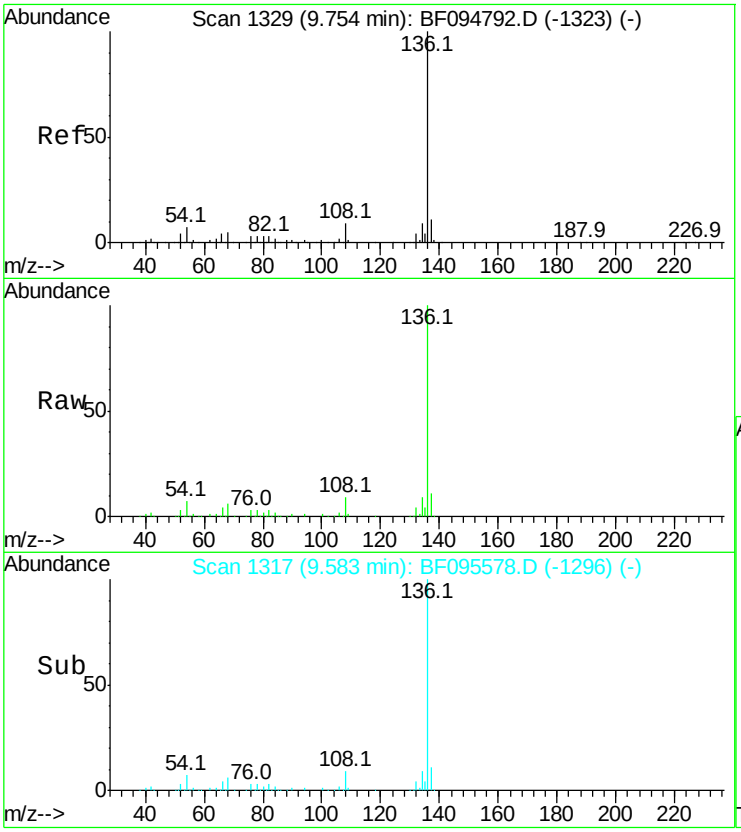




#19
n-Nitroso-di-n-propylamine
Concen: 4.24 ng
RT: 8.46 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion: 70 Resp: 44450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.9 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.0 | 15.9 | 23.9# |



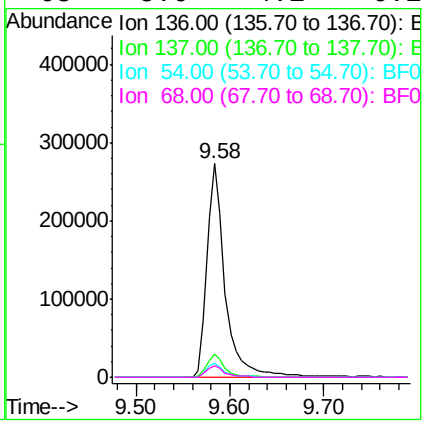


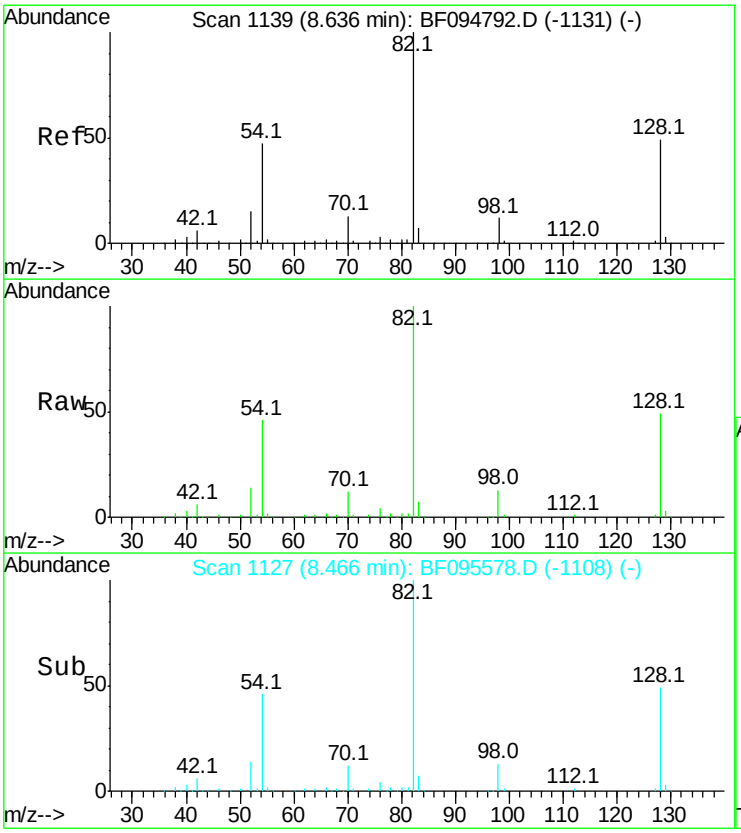

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.58 min Scan# 1317
Delta R.T. -0.18 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:136 Resp: 374351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.5 | 12.7 |
| 54 | 6.9 | 4.9 | 7.3 |
| 68 | 5.6 | 4.1 | 6.1 |

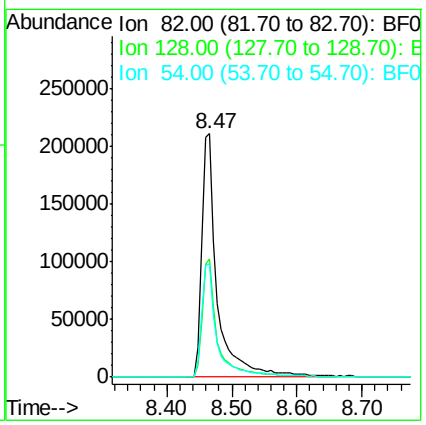


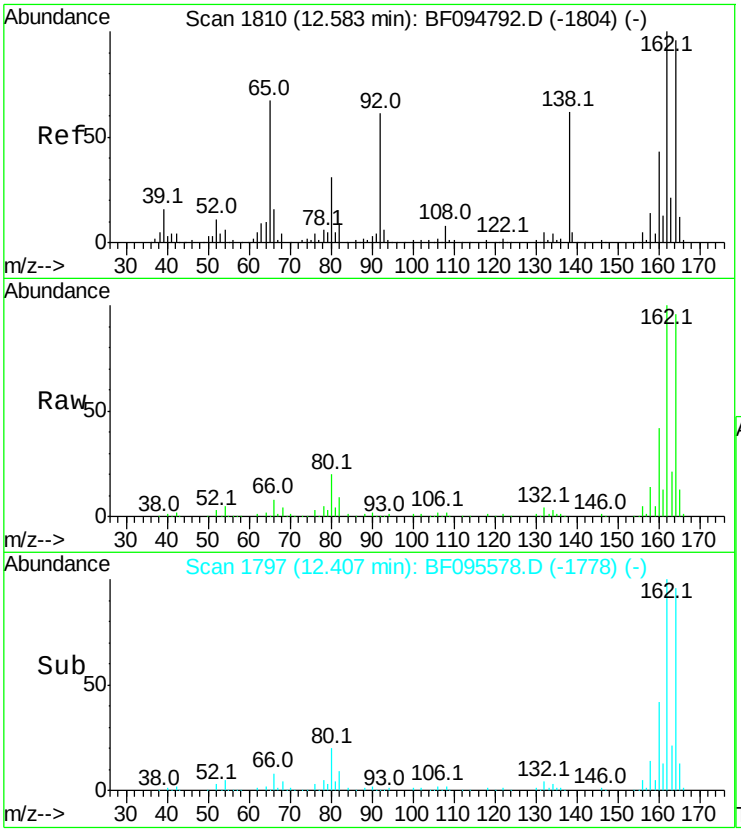




#23
Nitrobenzene-d5
Concen: 59.08 ng
RT: 8.47 min Scan# 1127
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion: 82 Resp: 350750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.6 | 34.0 | 51.0 |
| 54 | 46.3 | 42.2 | 63.2 |



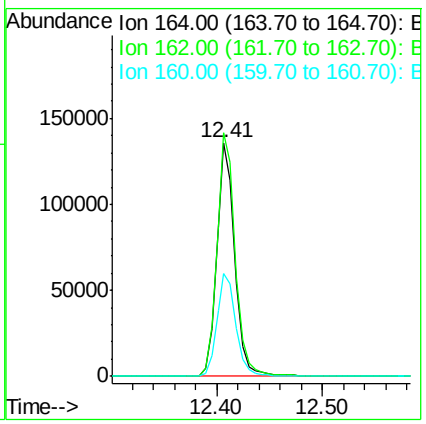


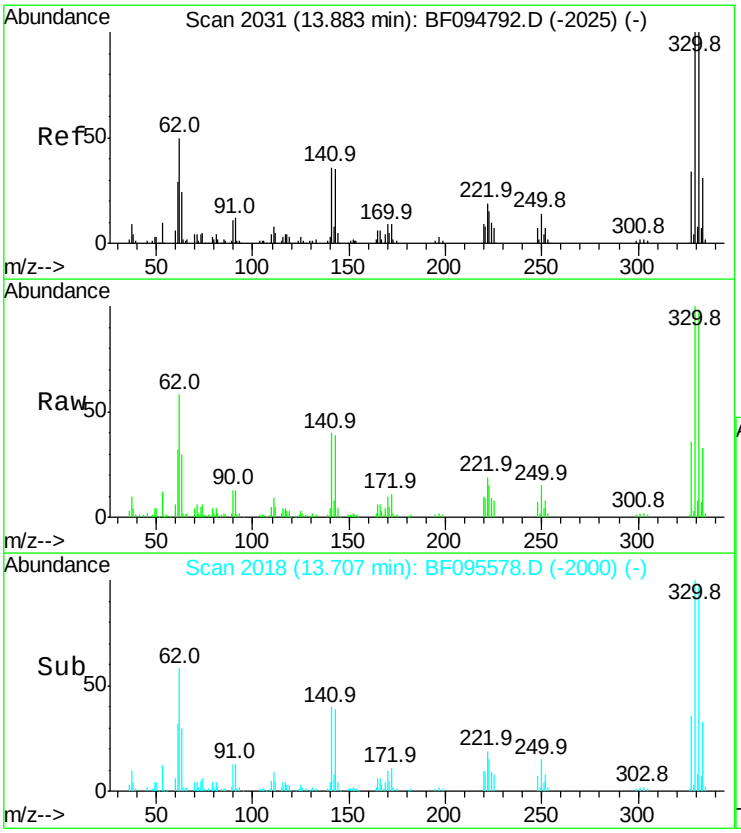

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 1797
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:164 Resp: 162609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.2 | 82.6 | 123.8 |
| 160 | 43.9 | 36.2 | 54.2 |

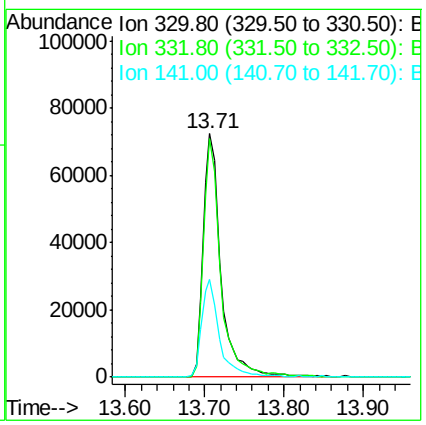


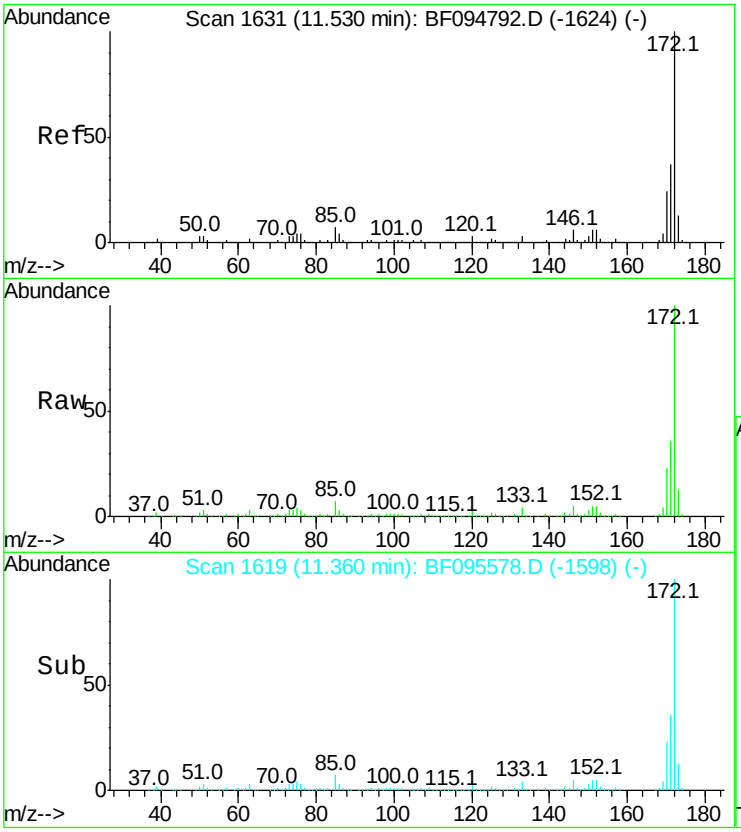




#41
2,4,6-Tribromophenol
Concen: 85.30 ng
RT: 13.71 min Scan# 2018
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:330 Resp: 113602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 76.6 | 115.0 |
| 141 | 39.9 | 31.4 | 47.2 |



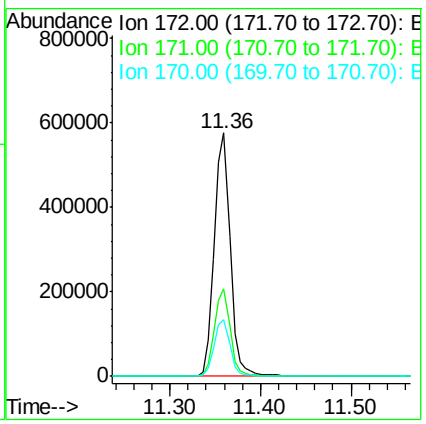


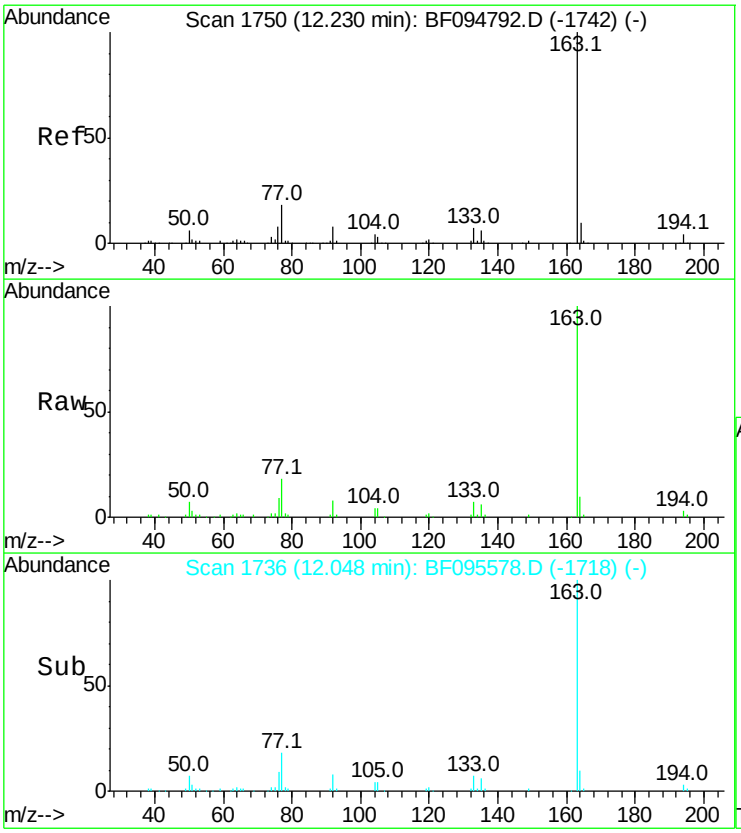

#44
2-Fluorobiphenyl
Concen: 62.13 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.18 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:172 Resp: 701908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 29.6 | 44.4 |
| 170 | 23.3 | 19.8 | 29.8 |

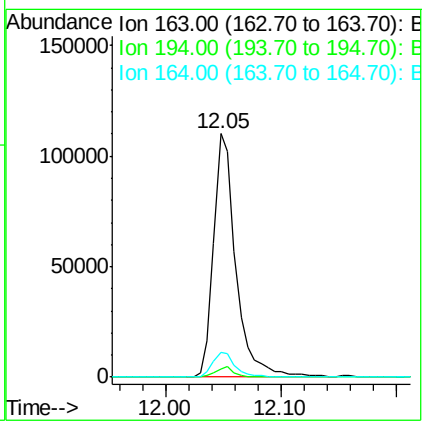


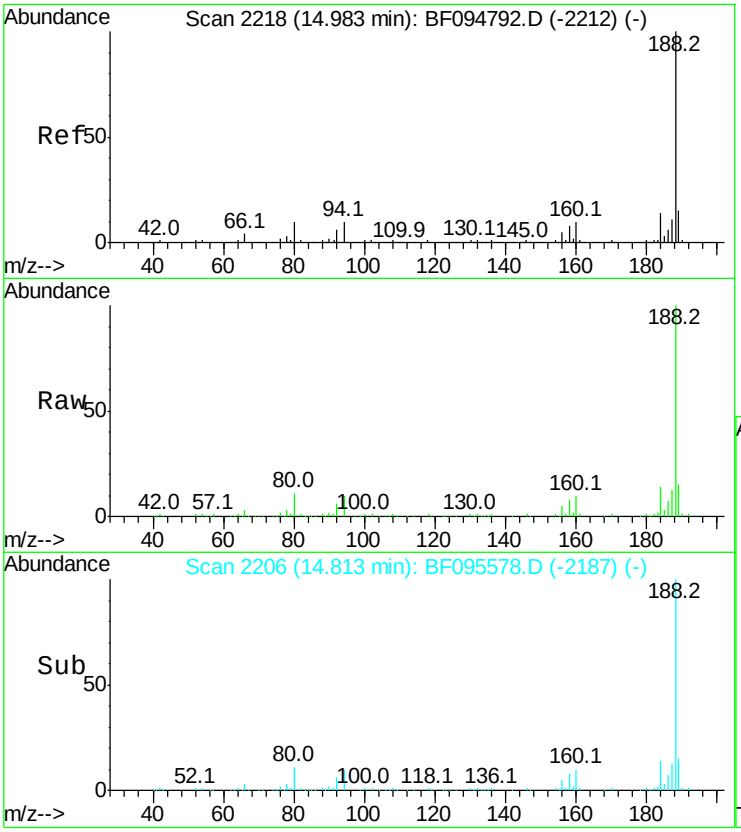




#49
Dimethylphthalate
Concen: 11.10 ng
RT: 12.05 min Scan# 1736
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:163 Resp: 148219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.6 | 4.0 |
| 164 | 10.3 | 8.4 | 12.6 |



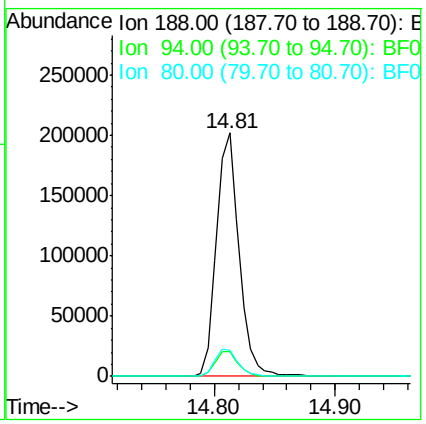


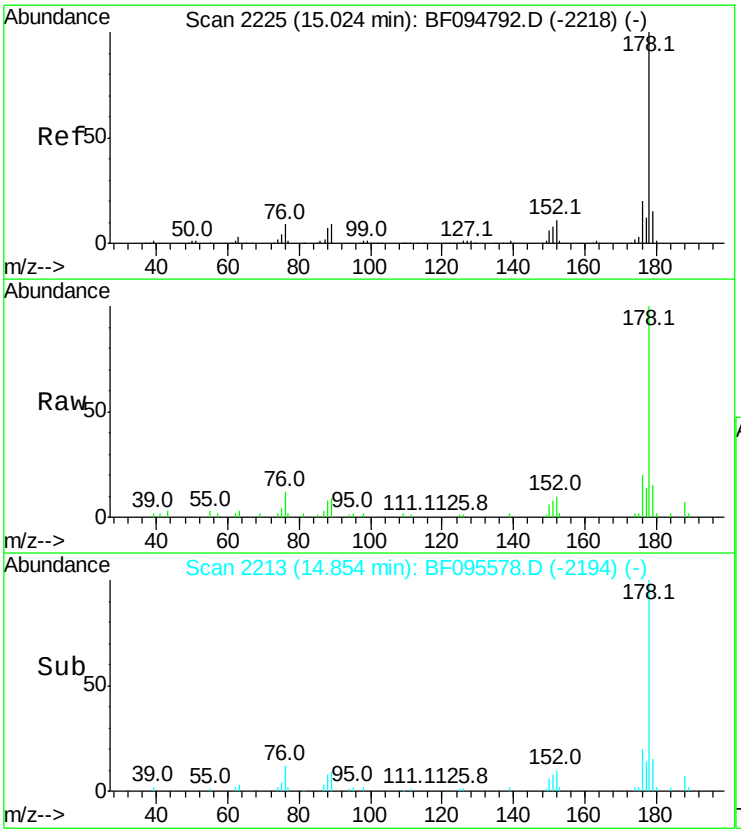

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2206
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:188 Resp: 261234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 9.4 | 14.2 |
| 80 | 10.8 | 10.2 | 15.2 |

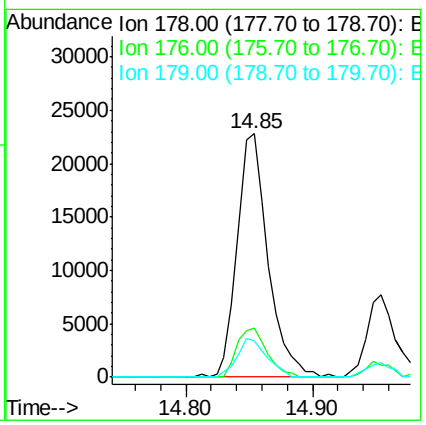


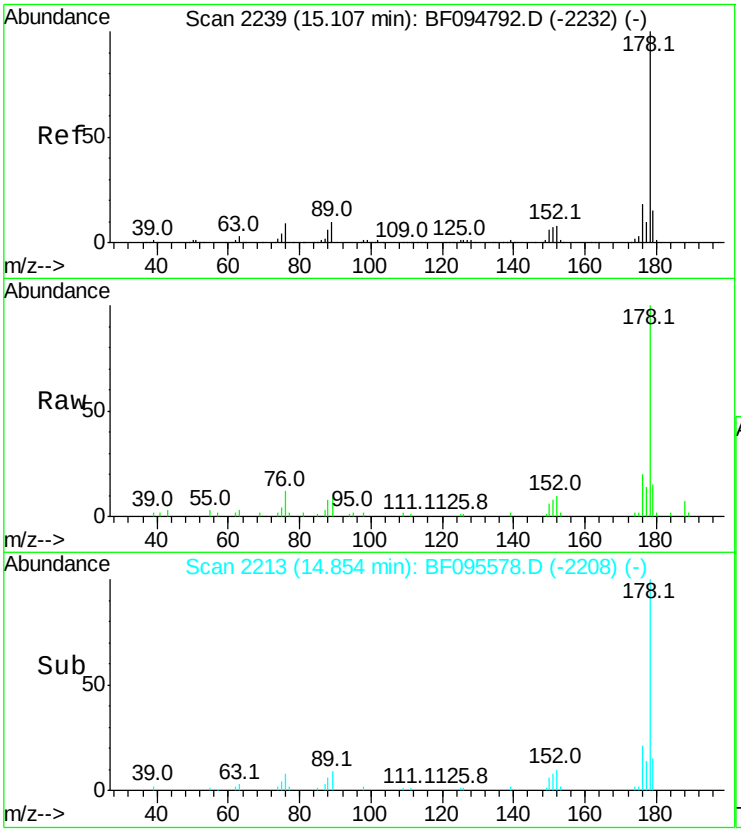




#70
Phenanthrene
Concen: 2.57 ng
RT: 14.85 min Scan# 2213
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:178 Resp: 38552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 16.2 | 24.4 |
| 179 | 14.7 | 12.6 | 19.0 |



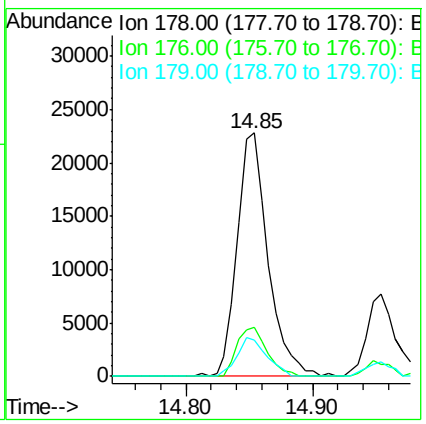


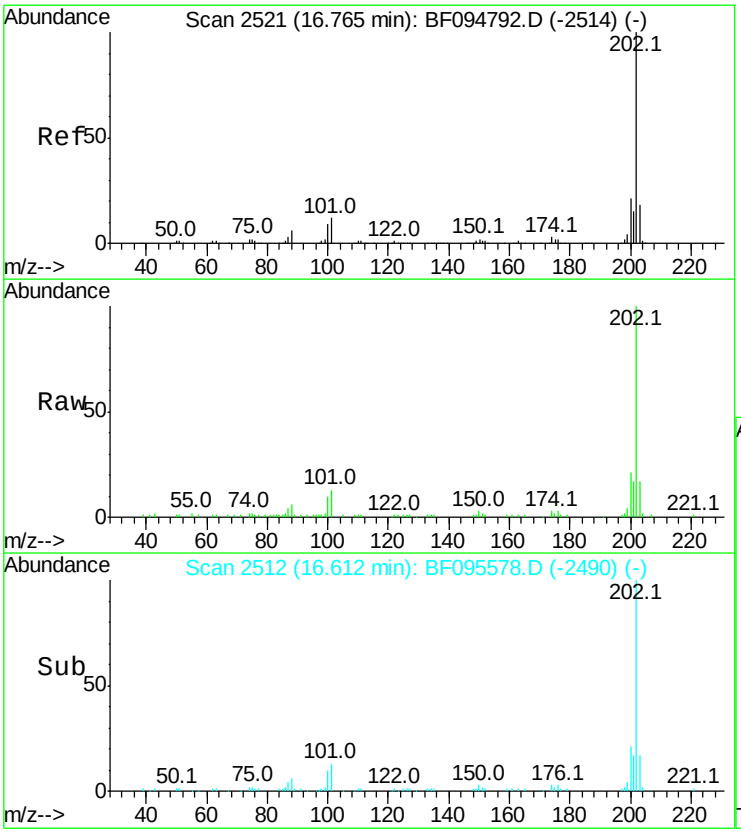

#71
Anthracene
Concen: 2.51 ng
RT: 14.85 min Scan# 2213
Delta R.T. -0.27 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:178 Resp: 38552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 15.8 | 23.8 |
| 179 | 14.7 | 12.7 | 19.1 |

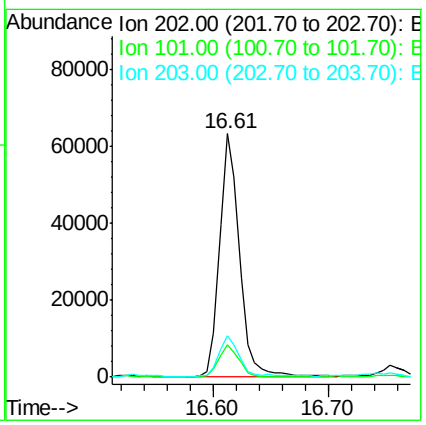


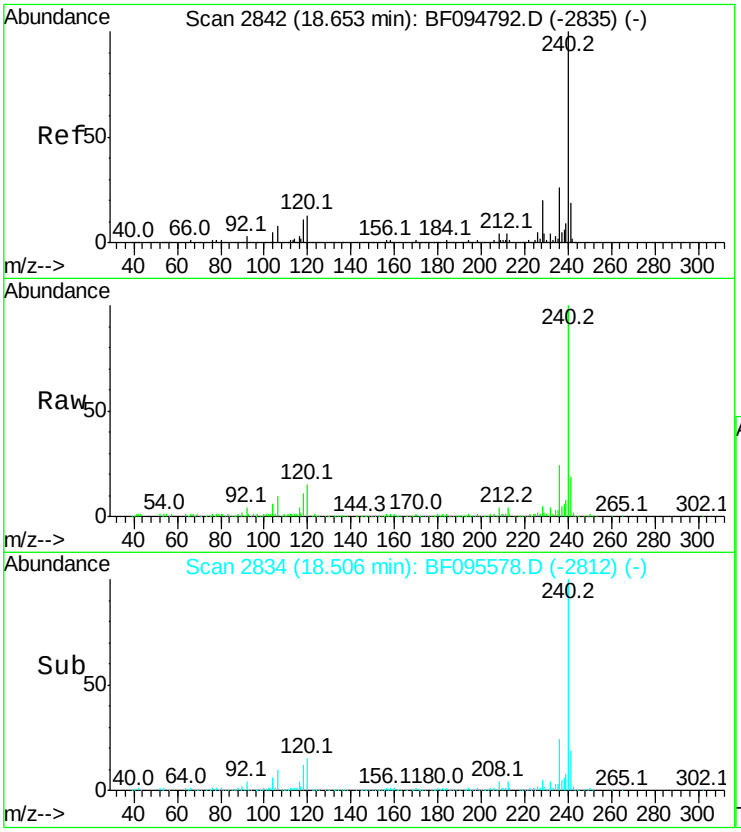




#74
Fluoranthene
Concen: 4.92 ng
RT: 16.61 min Scan# 2512
Delta R.T. -0.17 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:202 Resp: 75777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 33.2 |
| 203 | 16.8 | 0.0 | 38.1 |



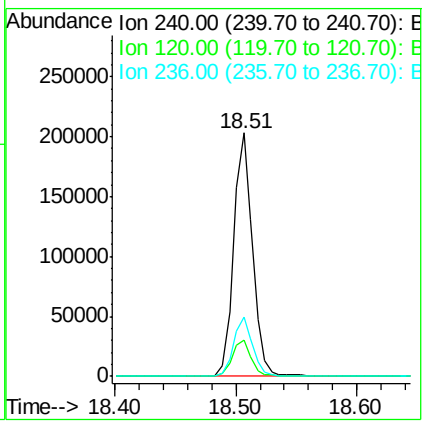


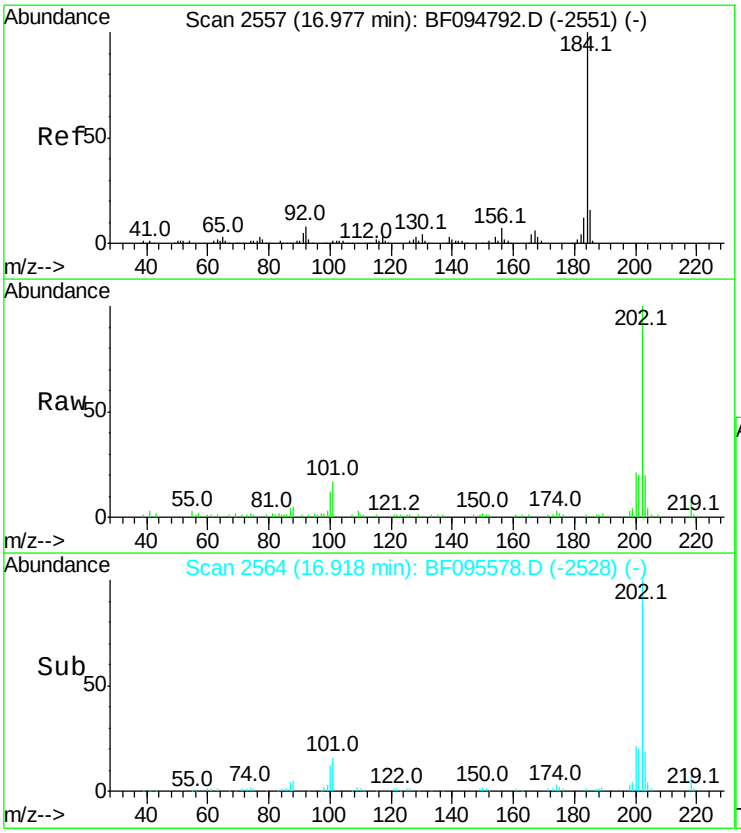

#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.51 min Scan# 2834
Delta R.T. -0.17 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:240 Resp: 221177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.8 | 5.8 | 8.8# |
| 236 | 24.4 | 20.5 | 30.7 |

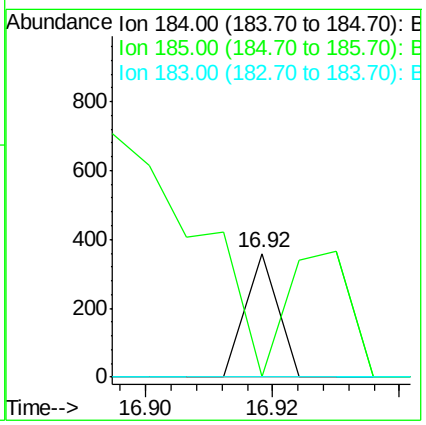


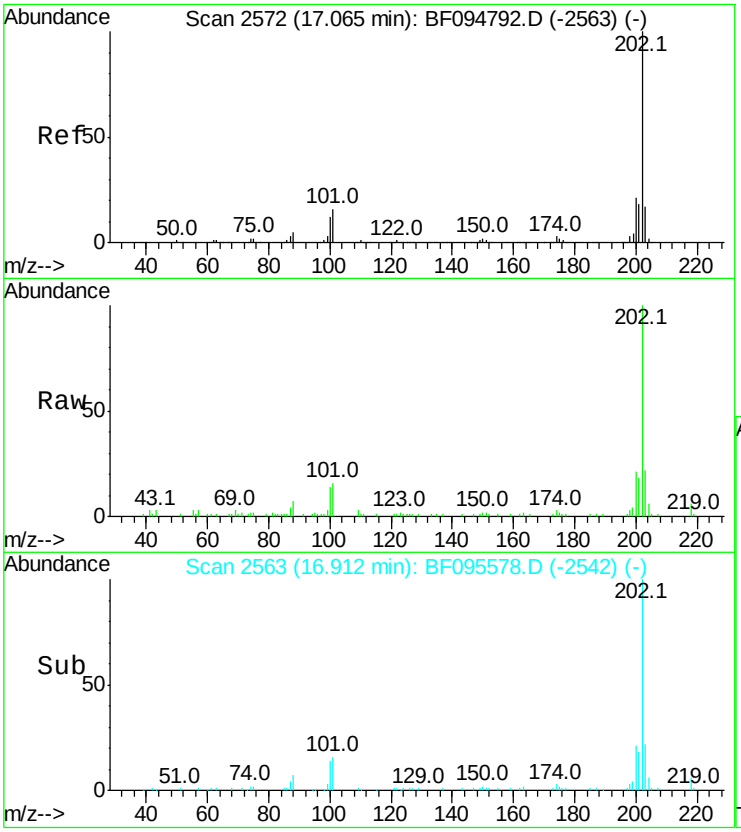




#76
Benzidine
Concen: 6.61 ng
RT: 16.92 min Scan# 2564
Delta R.T. -0.09 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:184 Resp: 127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 0.0 | 15.5 | 23.3# |
| 183 | 0.0 | 9.8 | 14.6# |



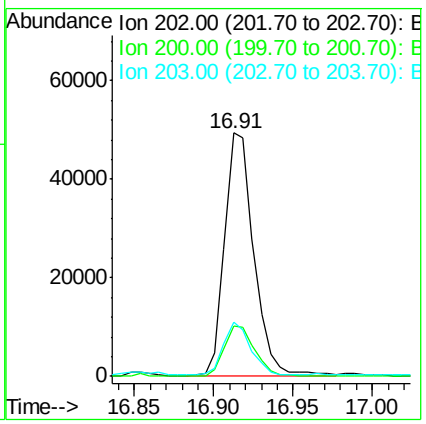


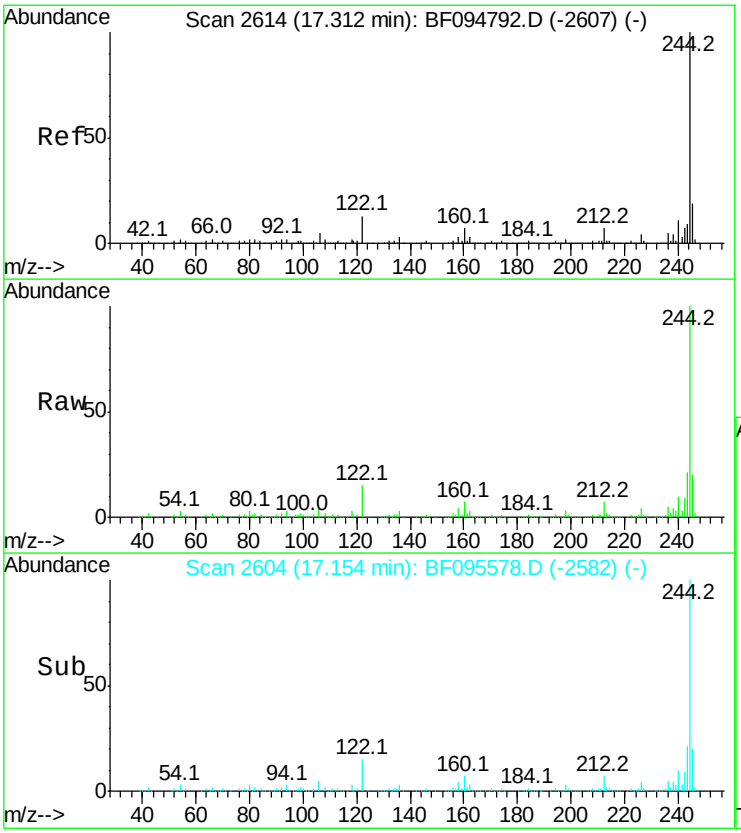

#77
Pyrene
Concen: 3.85 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.18 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:202 Resp: 63604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.6 | 26.4 |
| 203 | 22.3 | 14.4 | 21.6# |

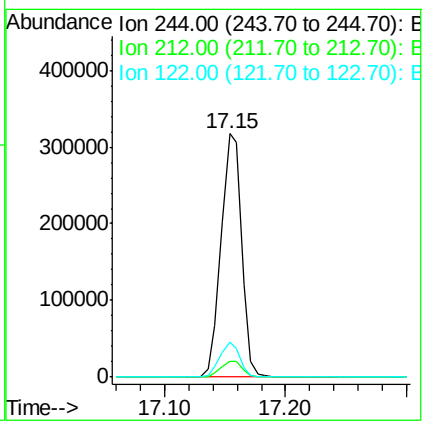


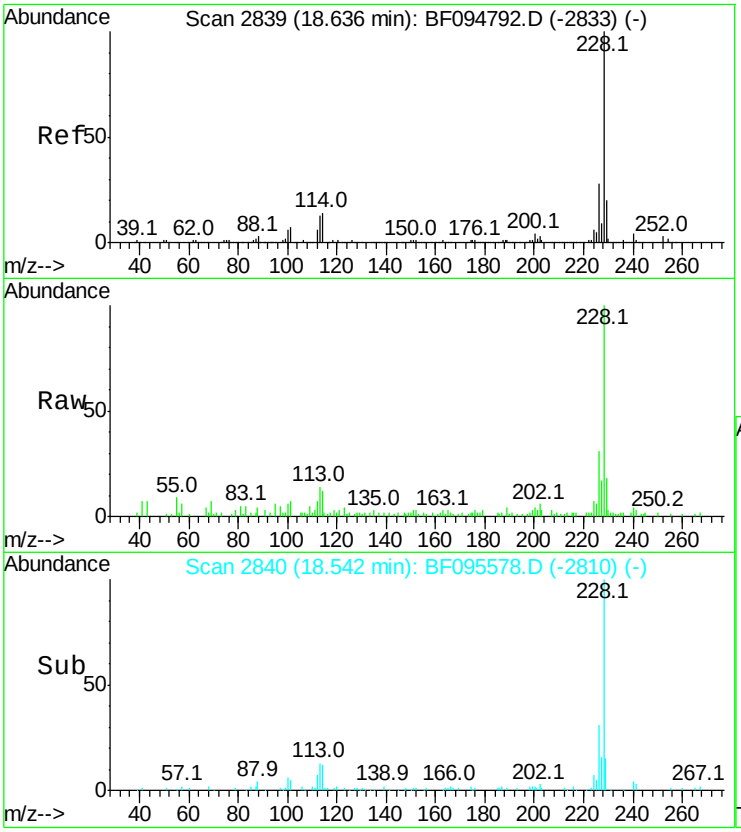




#78
Terphenyl-d14
Concen: 37.06 ng
RT: 17.15 min Scan# 2604
Delta R.T. -0.17 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:244 Resp: 372112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.0 | 9.0 |
| 122 | 14.6 | 10.3 | 15.5 |



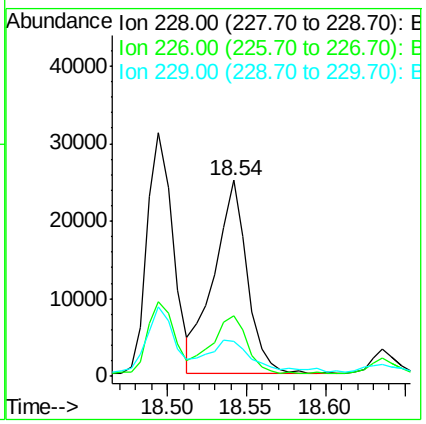


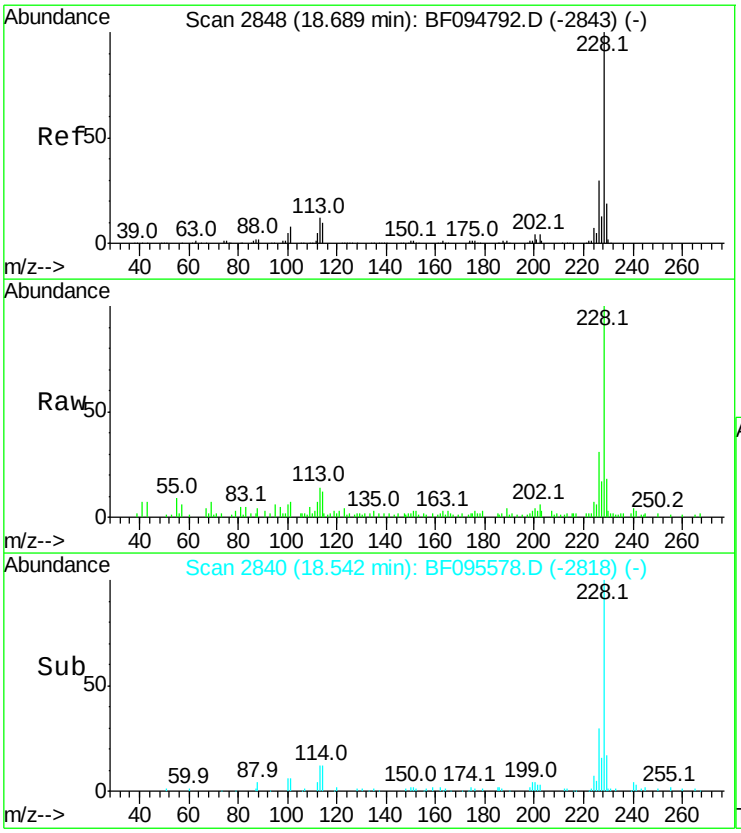

#80
Benzo(a)anthracene
Concen: 2.84 ng
RT: 18.54 min Scan# 2840
Delta R.T. -0.12 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:228 Resp: 36587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 22.6 | 33.8 |
| 229 | 18.1 | 16.3 | 24.5 |

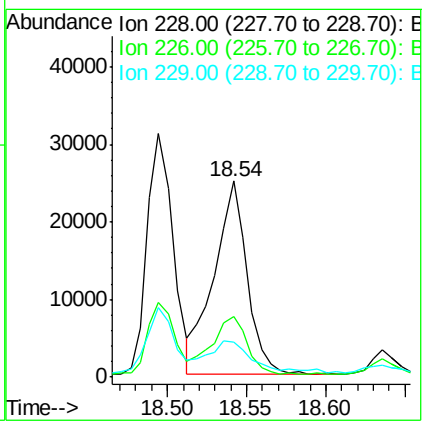


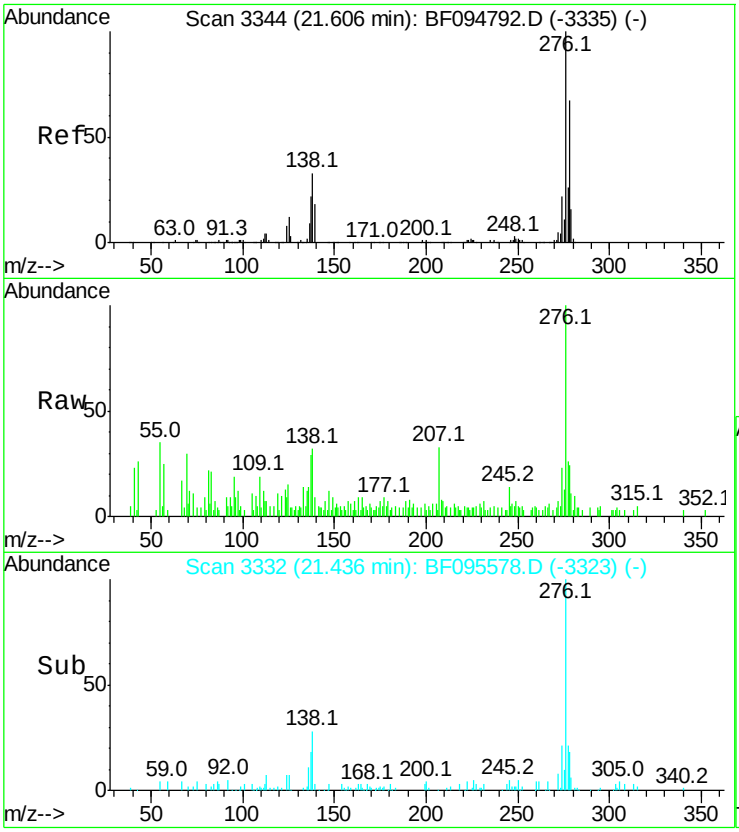




#82
Chrysene
Concen: 2.94 ng
RT: 18.54 min Scan# 2840
Delta R.T. -0.17 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:228 Resp: 36587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.9 | 37.3 |
| 229 | 18.1 | 15.8 | 23.6 |



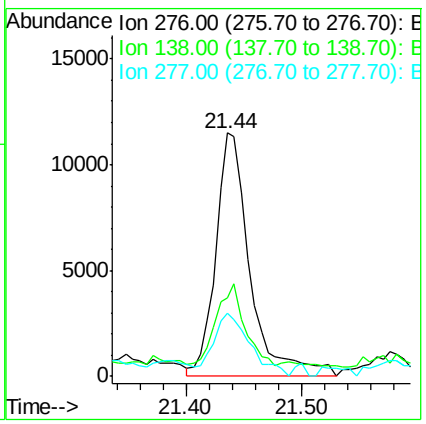


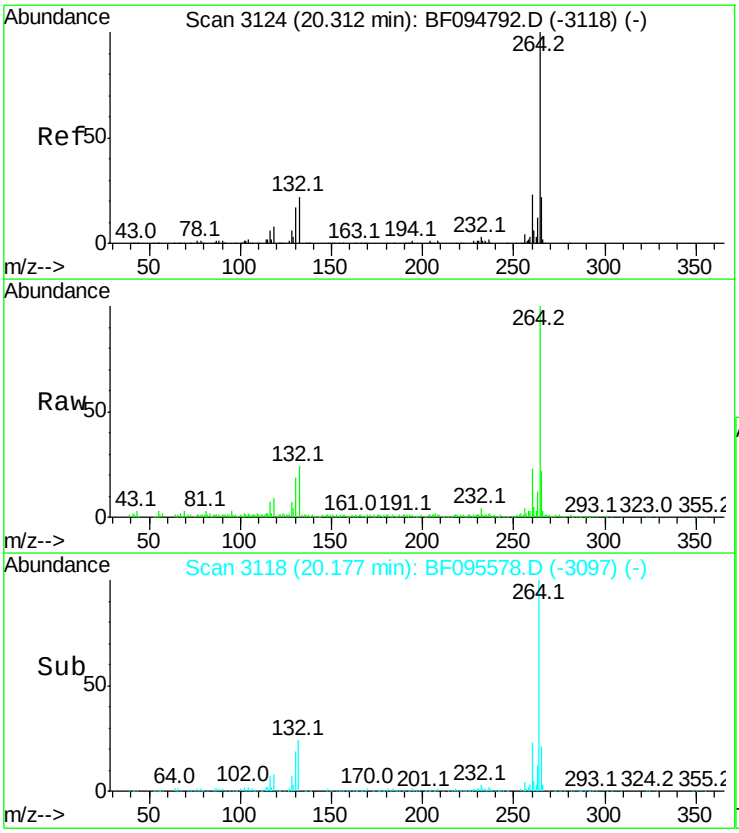

#85
Indeno(1,2,3-cd)pyrene
Concen: 2.34 ng
RT: 21.44 min Scan# 3332
Delta R.T. -0.25 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:276 Resp: 23667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.1 | 27.8 | 41.6 |
| 277 | 27.9 | 20.2 | 30.4 |

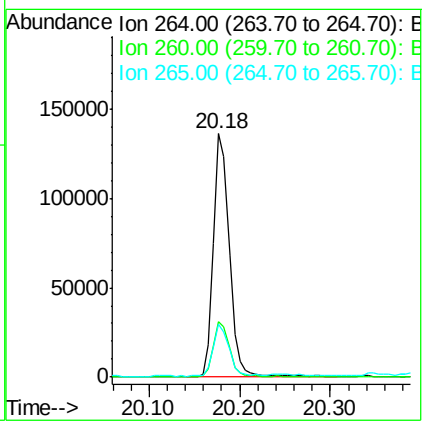


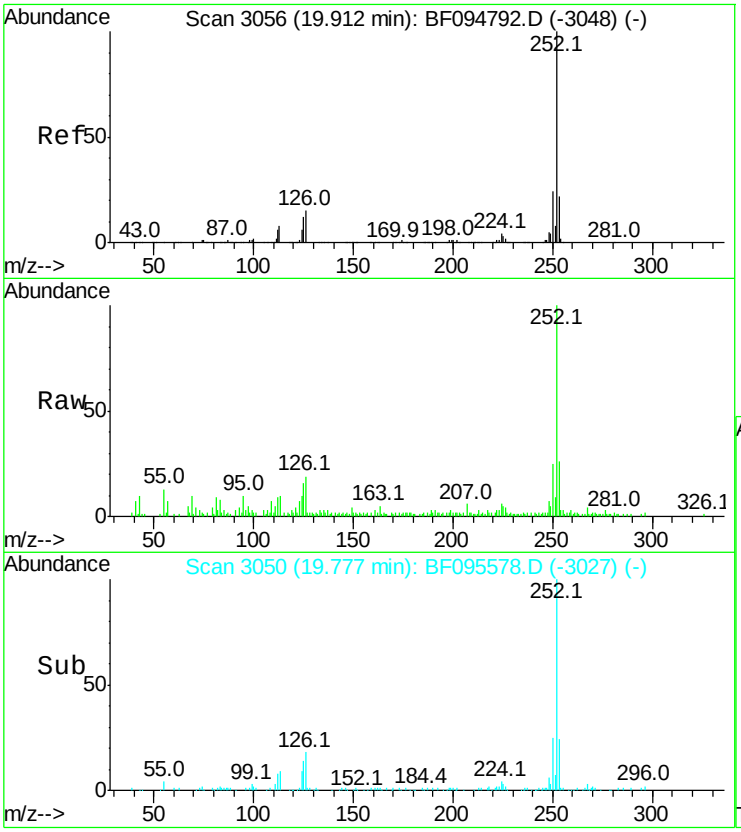




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:264 Resp: 168030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 19.5 | 29.3 |
| 265 | 21.7 | 17.2 | 25.8 |



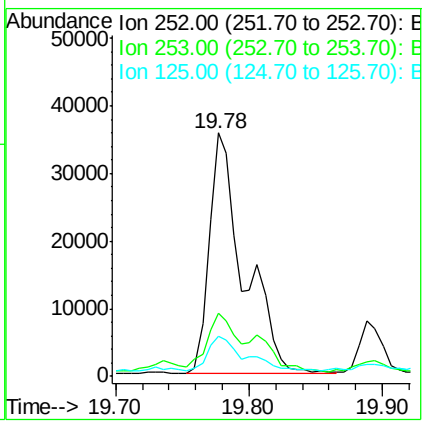


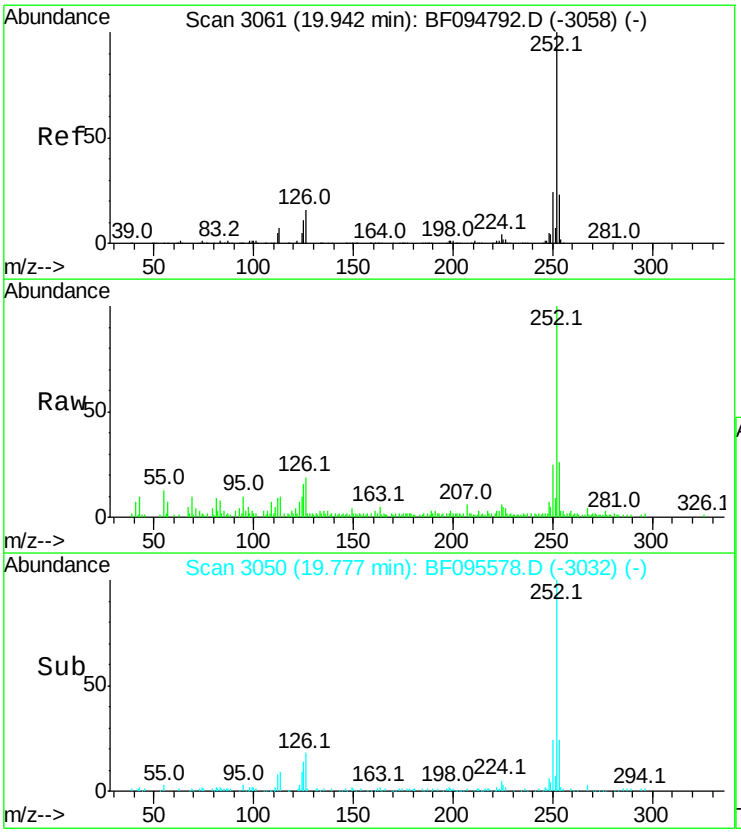

#87
Benzo(b)fluoranthene
Concen: 6.14 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.16 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:252 Resp: 63751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 18.1 | 27.1 |
| 125 | 16.2 | 9.8 | 14.8# |

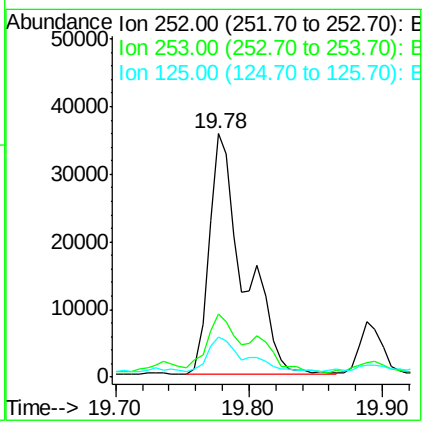


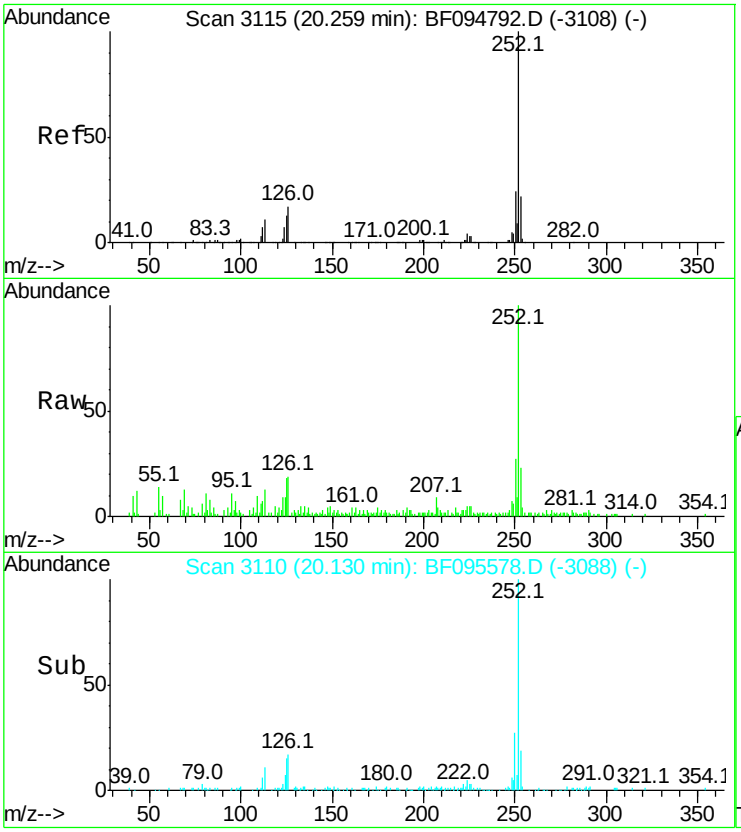




#88
Benzo(k)fluoranthene
Concen: 6.37 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.19 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:252 Resp: 63751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 18.4 | 27.6 |
| 125 | 16.2 | 13.1 | 19.7 |



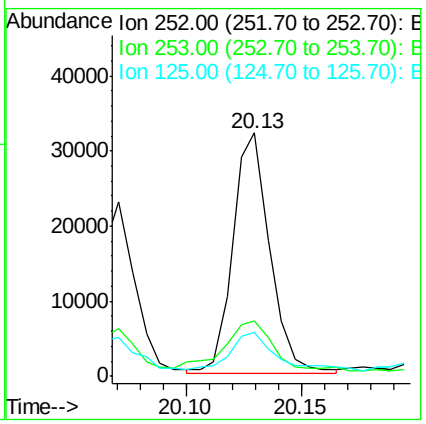


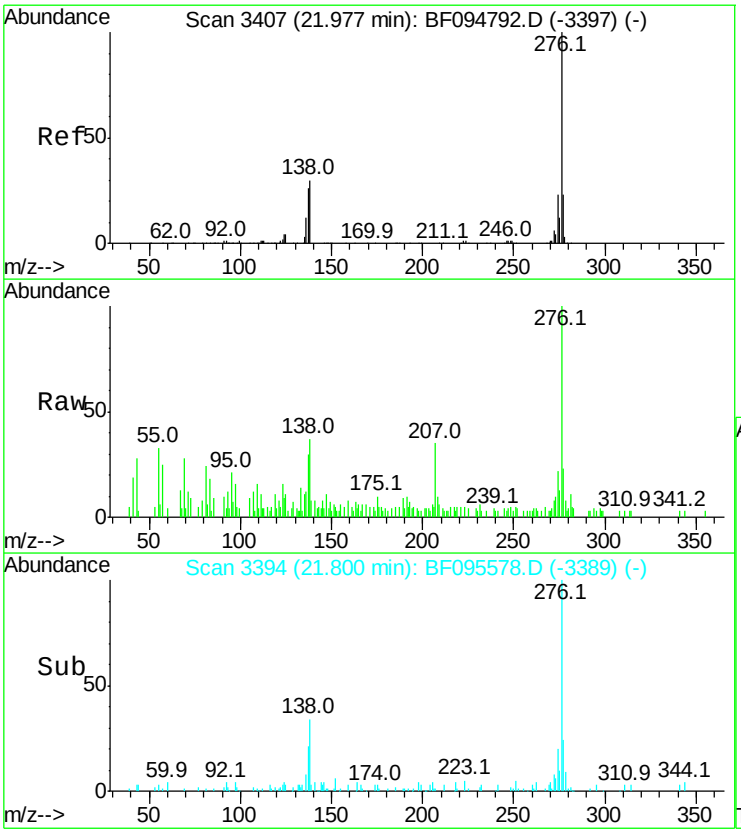

#89
Benzo(a)pyrene
Concen: 3.73 ng
RT: 20.13 min Scan# 3110
Delta R.T. -0.17 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

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

Tgt Ion:252 Resp: 35746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.5 | 26.3 |
| 125 | 18.1 | 11.0 | 16.4# |




#91
Benzo(g,h,i)perylene
Concen: 2.92 ng
RT: 21.80 min Scan# 3394
Delta R.T. -0.27 min
Lab File: BF095578.D
Acq: 31 May 2017 22:49

Tgt Ion:276 Resp: 22639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.7 | 18.6 | 28.0 |
| 138 | 37.3 | 25.4 | 38.0 |