Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
Data File : BF114349.D
Acq On : 17 May 2019 15:01
Operator : JU/SJ
Sample : K2644-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 18 05:01:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 358934 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 1396910 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 663593 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 1309789 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.02 | 240 | 896726 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.51 | 264 | 1038153 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 1116581 | 50.06 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1458685 | 55.30 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 883335 | 35.49 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 355564 | 51.83 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 1462757 | 33.34 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.95 | 244 | 1401653 | 32.22 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 115465 | 6.905 | ng | # | 77 |
| 25) Isophorone | 7.40 | 82 | 883404 | 19.136 | ng | # | 64 |
| 32) Benzoic acid | 8.13 | 122 | 324 | 7.041 | ng | # | 1 |
| 50) Dimethylphthalate | 9.59 | 163 | 261712 | 5.372 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 9.88 | 165 | 86702 | 5.912 | ng | # | 25 |
| 71) Phenanthrene | 11.39 | 178 | 618287 | 9.703 | ng | | 98 |
| 72) Anthracene | 11.44 | 178 | 180758 | 2.824 | ng | | 98 |
| 73) Carbazole | 11.60 | 167 | 137416 | 2.251 | ng | | 96 |
| 75) Fluoranthene | 12.58 | 202 | 781902 | 11.394 | ng | | 99 |
| 78) Pyrene | 12.81 | 202 | 608746 | 8.439 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 295070 | 5.087 | ng | | 99 |
| 83) Chrysene | 14.04 | 228 | 263938 | 4.642 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 148986 | 2.965 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 493625 | 7.422 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 493625 | 8.079 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 261414 | 4.466 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.43 | 276 | 147994 | 3.036 | ng | | 96 |

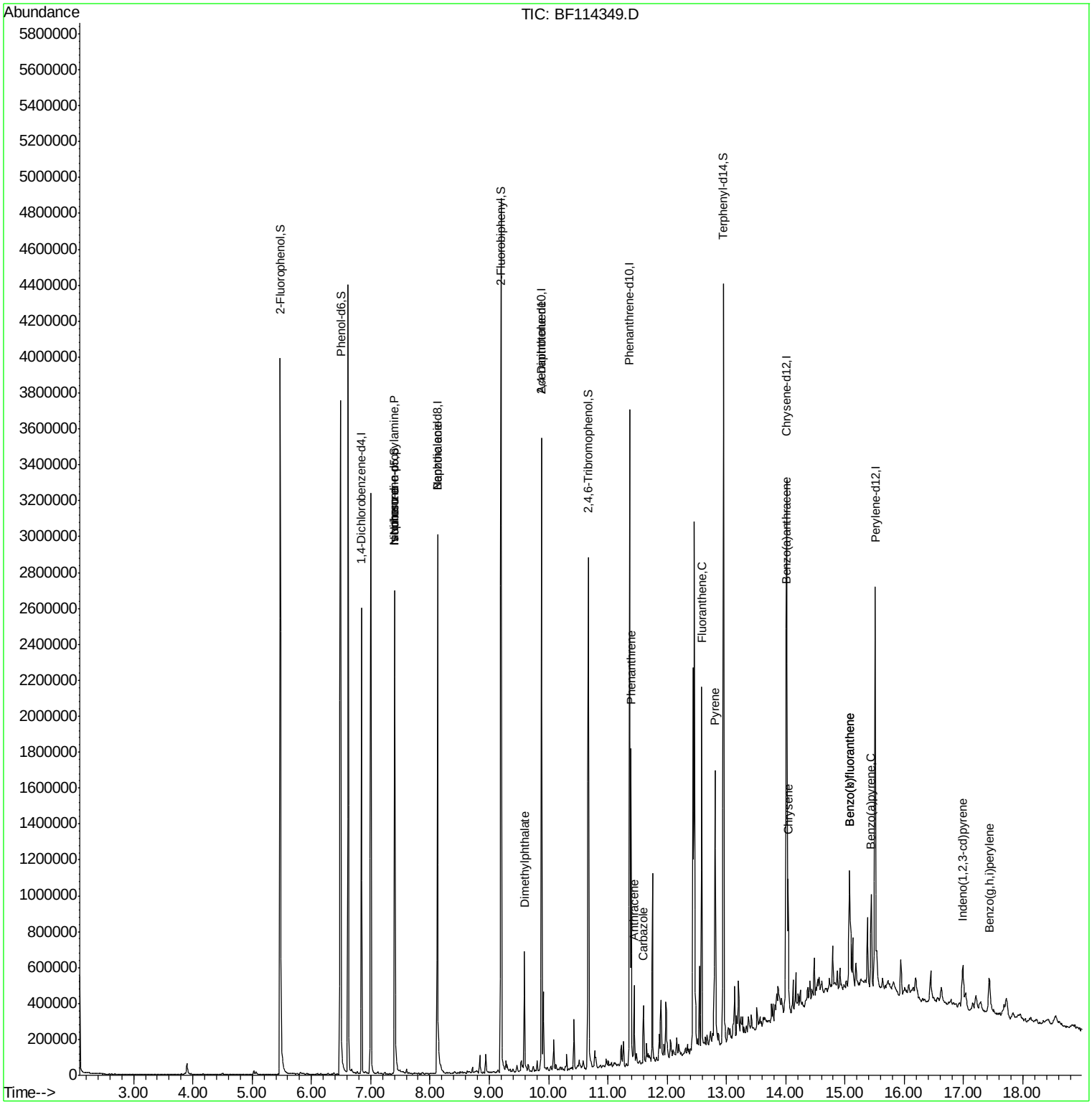
(#) = qualifier out of range (m) = manual integration (+) = signals summed

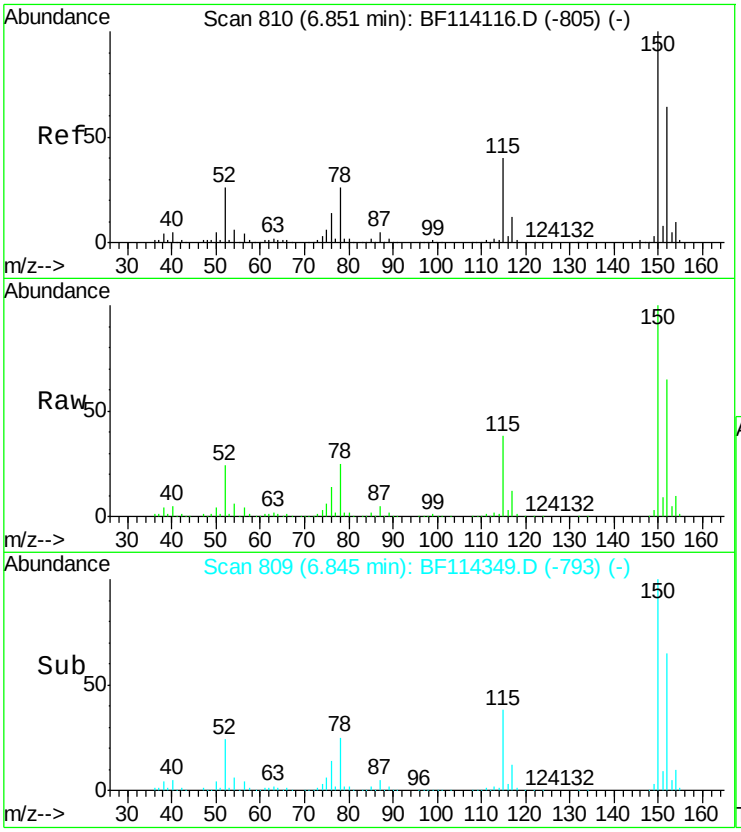
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
Data File : BF114349.D
Acq On : 17 May 2019 15:01
Operator : JU/SJ
Sample : K2644-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 18 05:01:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



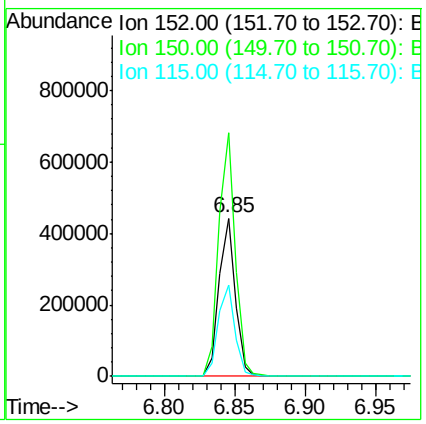


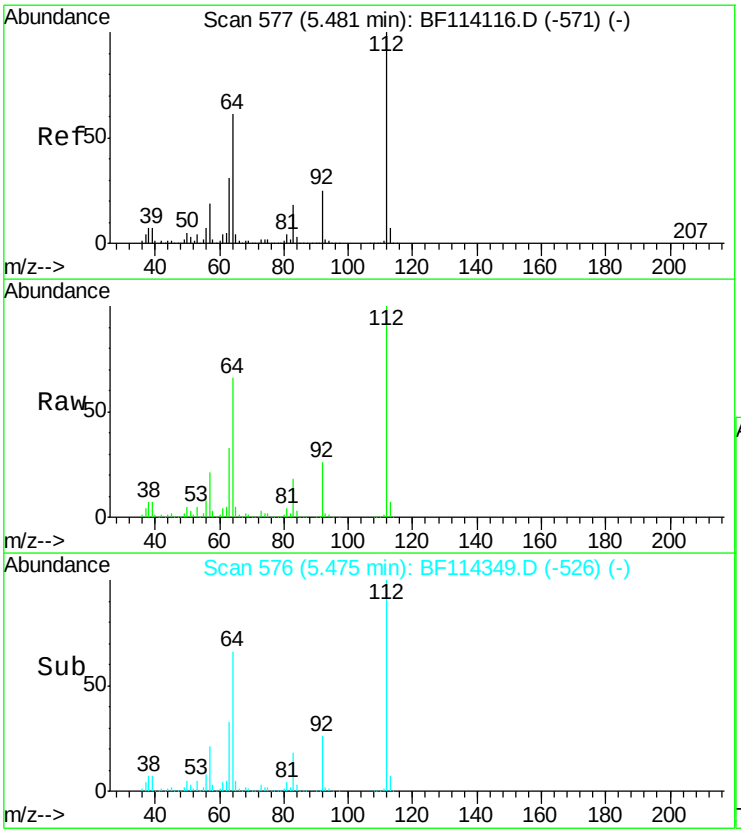

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:152 Resp: 358934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.9 | 124.3 | 186.5 |
| 115 | 58.0 | 49.1 | 73.7 |

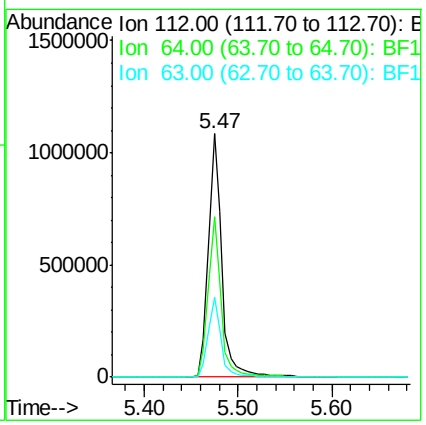


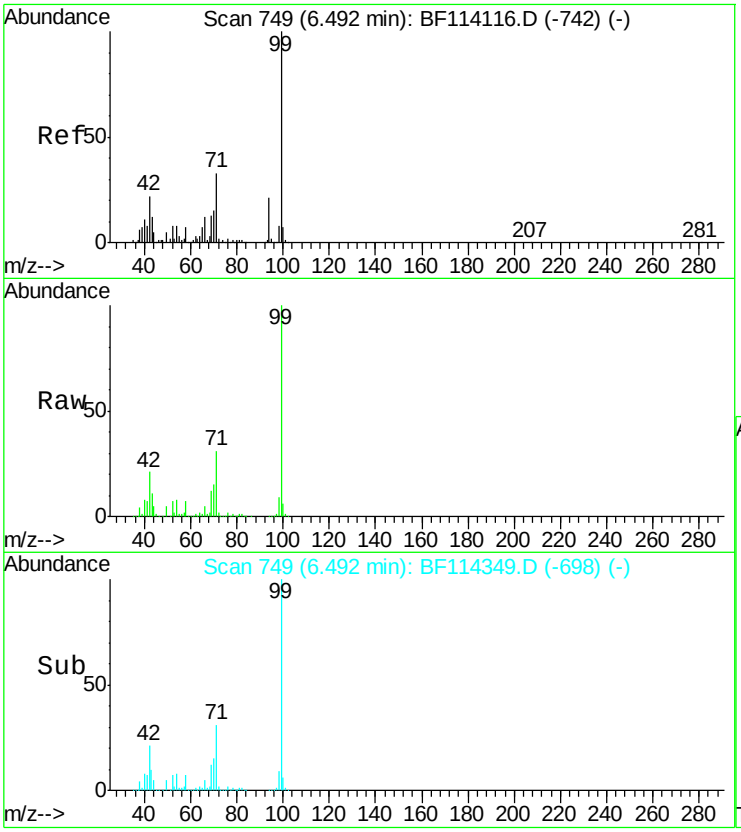




#5
2-Fluorophenol
Concen: 50.061 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:112 Resp: 1116581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.8 | 49.0 | 73.6 |
| 63 | 33.0 | 24.6 | 37.0 |



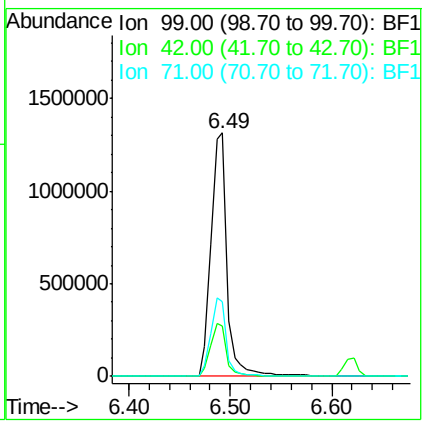


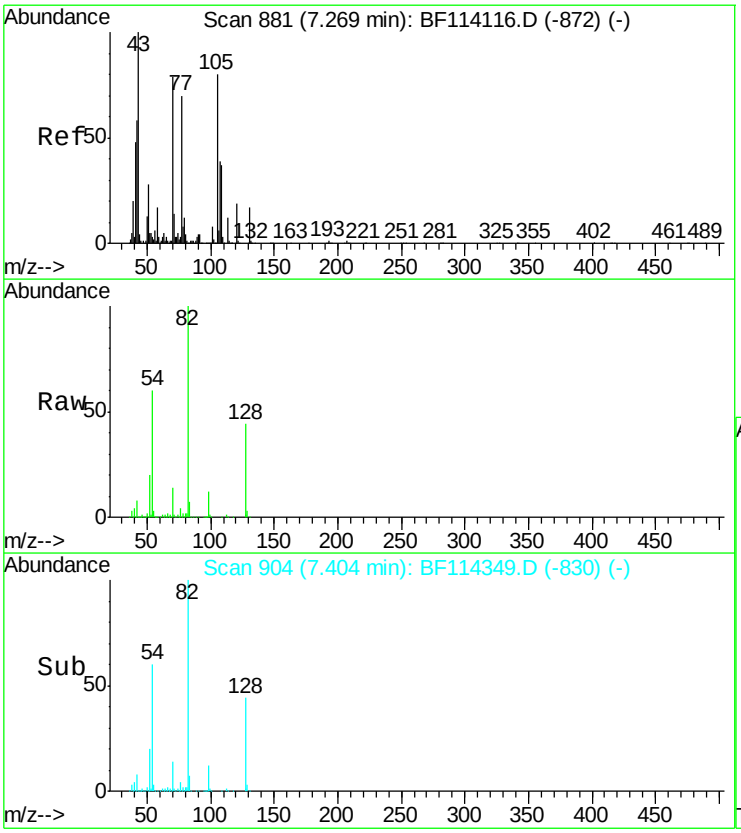

#7
Phenol-d6
Concen: 55.295 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.00 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion: 99 Resp: 1458685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.8 | 17.9 | 26.9 |
| 71 | 30.8 | 26.2 | 39.2 |

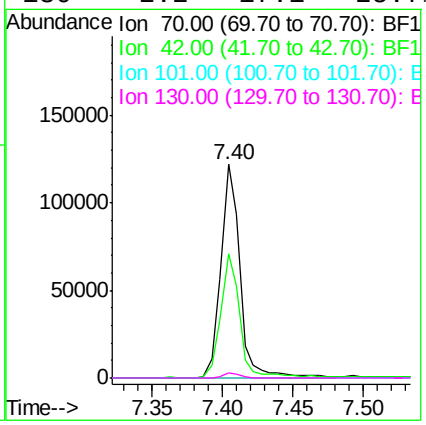


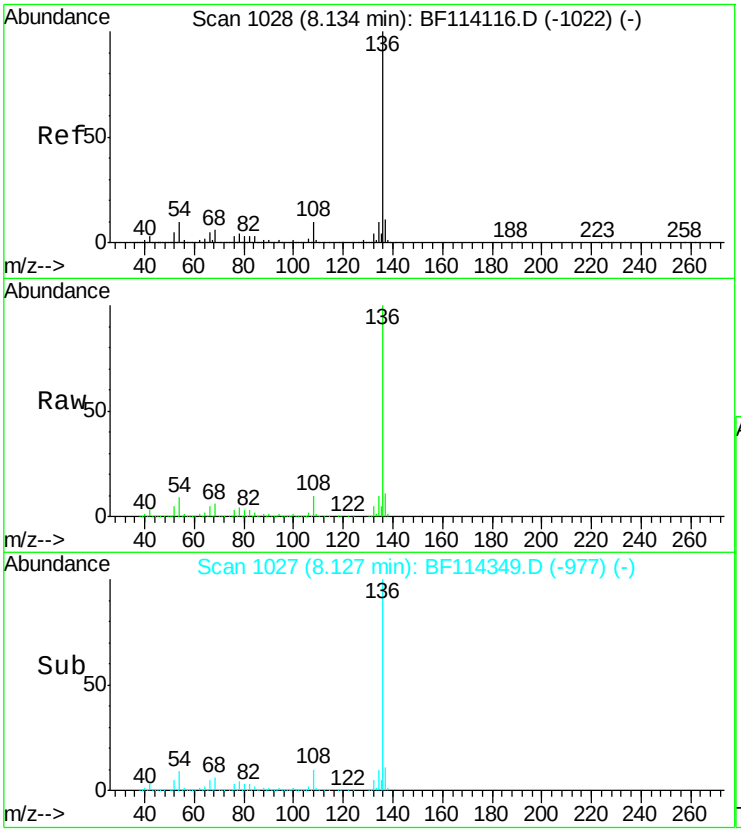




#19
n-Nitroso-di-n-propylamine
Concen: 6.905 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion: 70 Resp: 115465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.1 | 58.6 | 87.8# |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 2.2 | 17.1 | 25.7# |



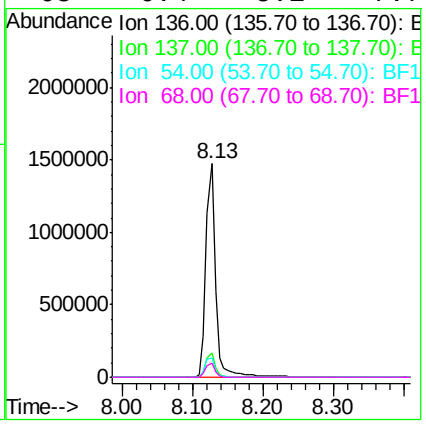


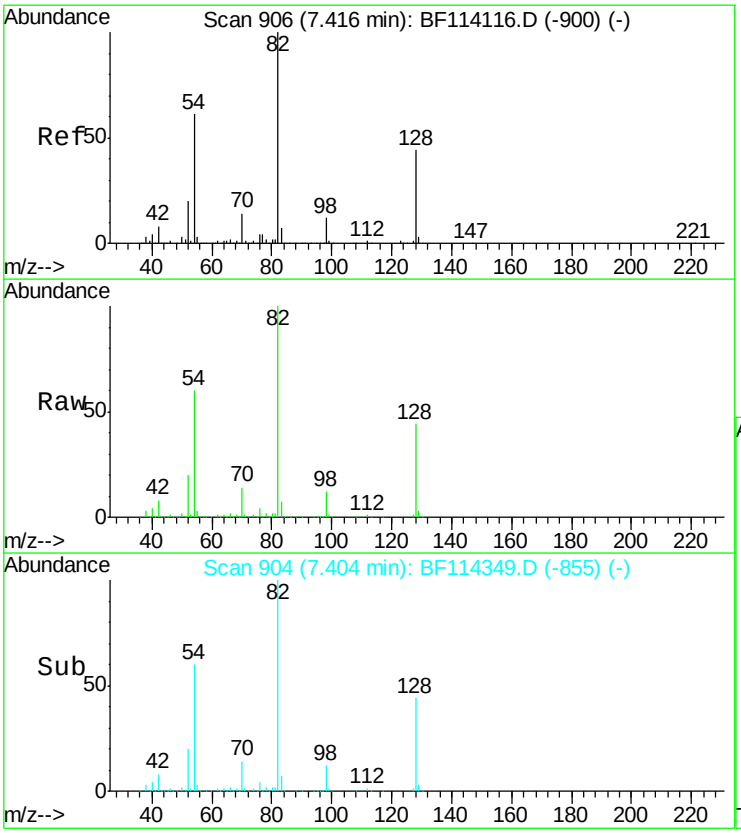

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:136 Resp: 1396910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.8 | 13.2 |
| 54 | 9.1 | 7.8 | 11.8 |
| 68 | 6.4 | 5.1 | 7.7 |

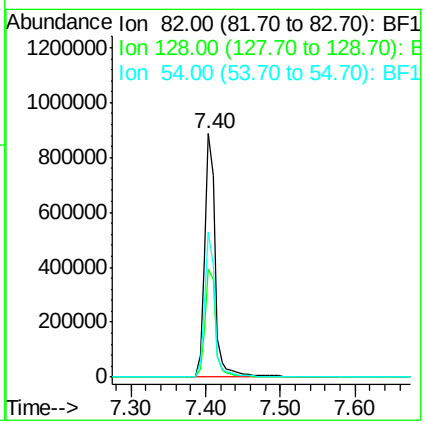


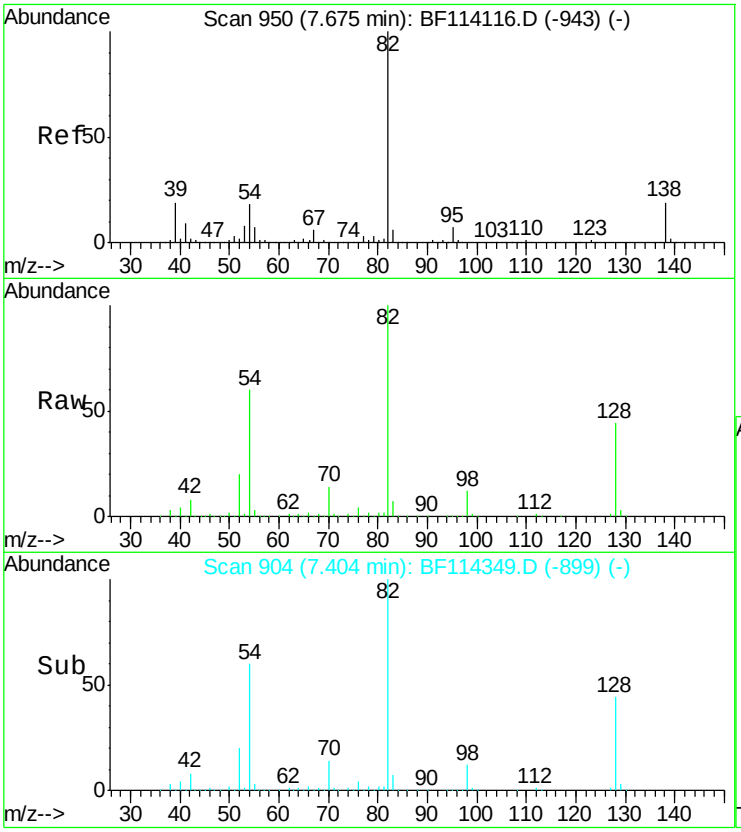




#23
Nitrobenzene-d5
Concen: 35.487 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion: 82 Resp: 883335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 35.5 | 53.3 |
| 54 | 59.7 | 48.5 | 72.7 |



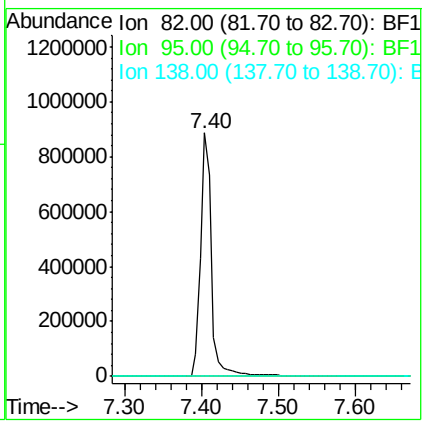


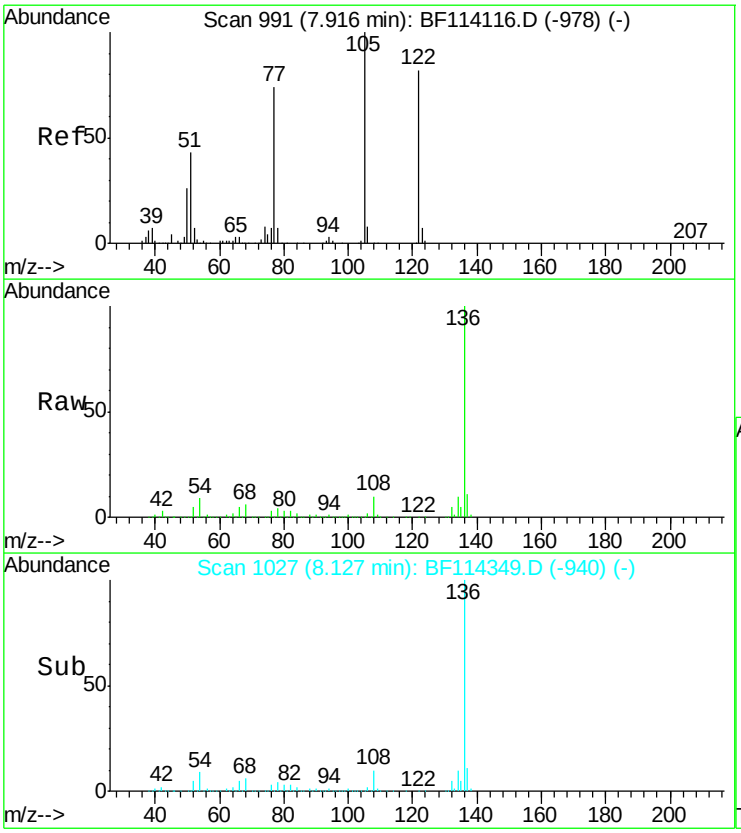

#25
Isophorone
Concen: 19.136 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion: 82 Resp: 883404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.6 | 8.4# |
| 138 | 0.0 | 14.8 | 22.2# |

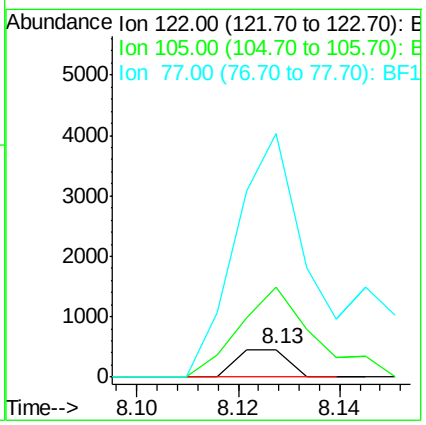


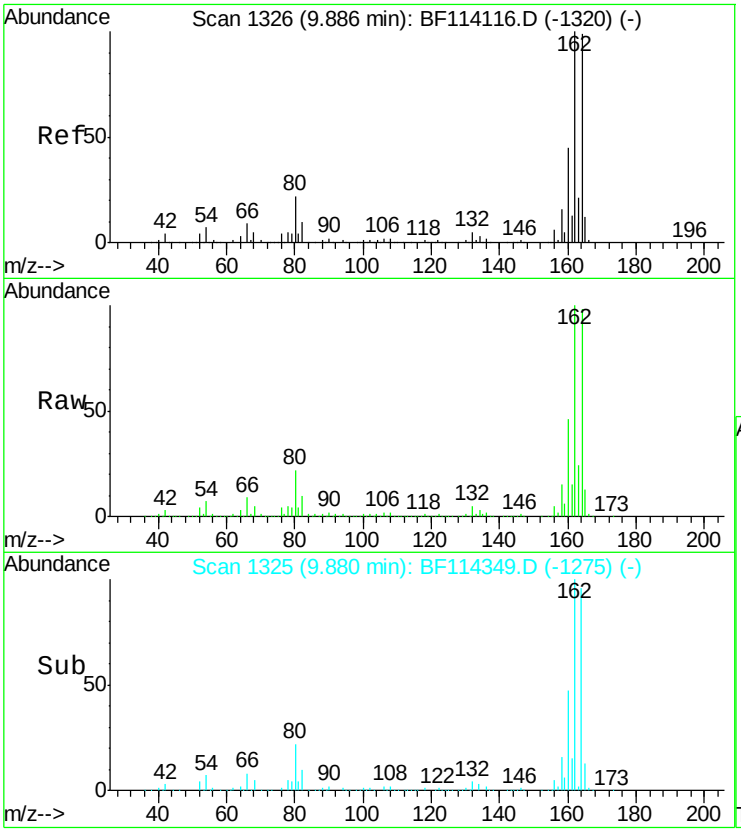




#32
Benzoic acid
Concen: 7.041 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.21 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:122 Resp: 324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 324.1 | 99.9 | 139.9# |
| 77 | 876.3 | 69.4 | 109.4# |



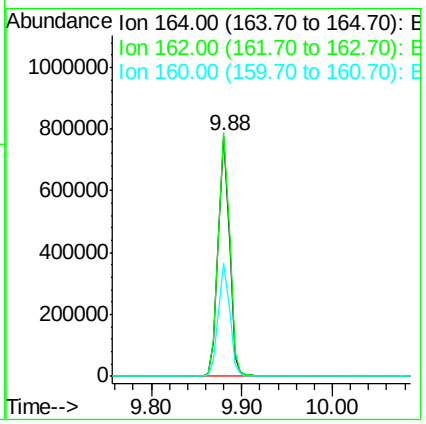


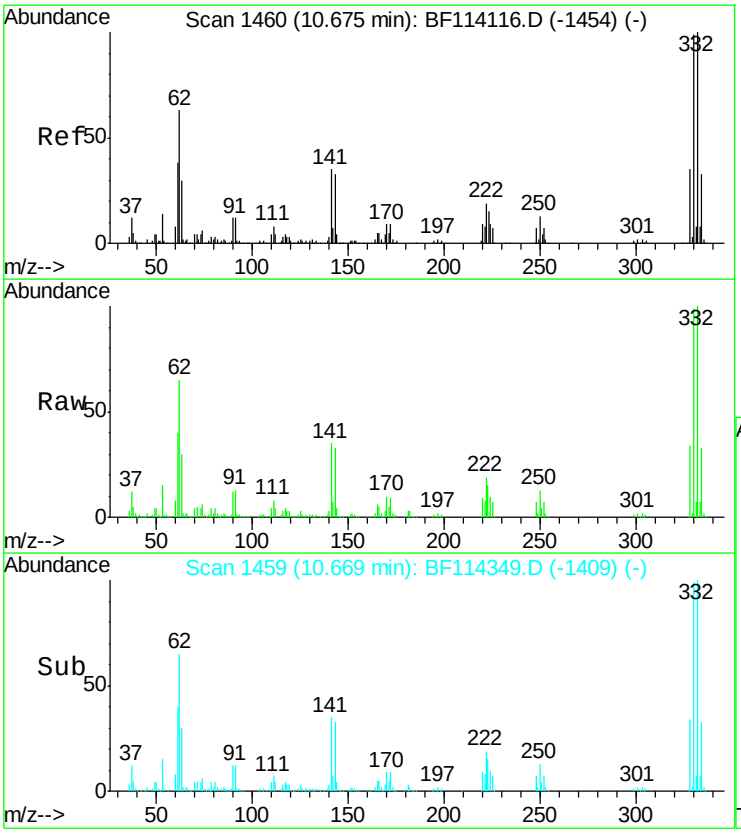

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:164 Resp: 663593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 80.6 | 120.8 |
| 160 | 47.2 | 36.5 | 54.7 |

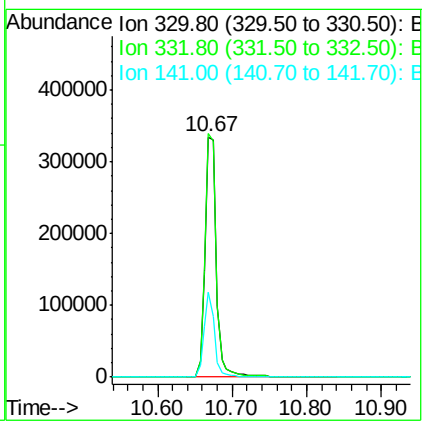


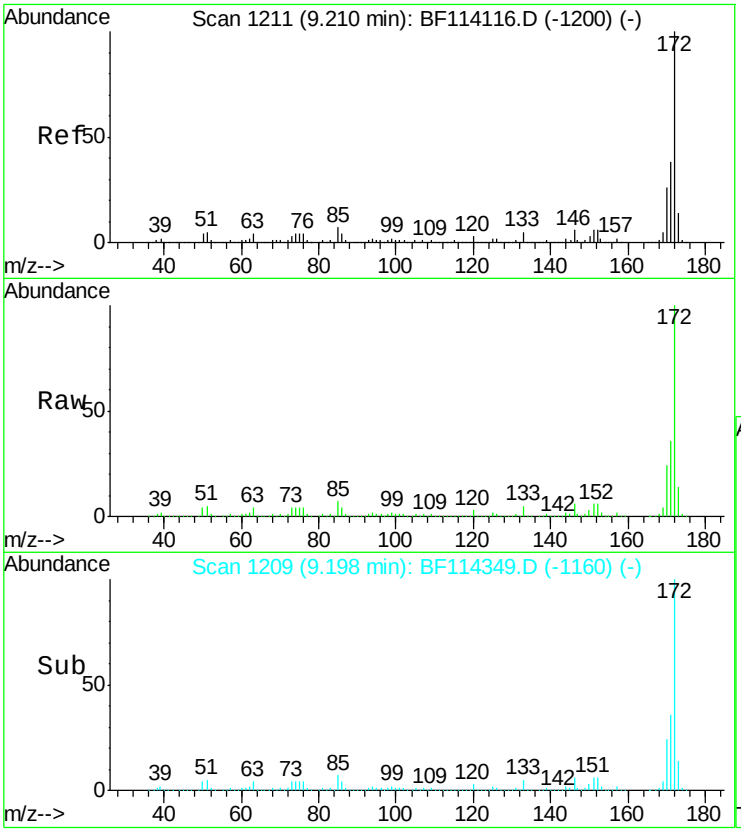




#42
2,4,6-Tribromophenol
Concen: 51.828 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:330 Resp: 355564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 100.1 | 81.4 | 122.2 |
| 141 | 33.0 | 26.6 | 40.0 |



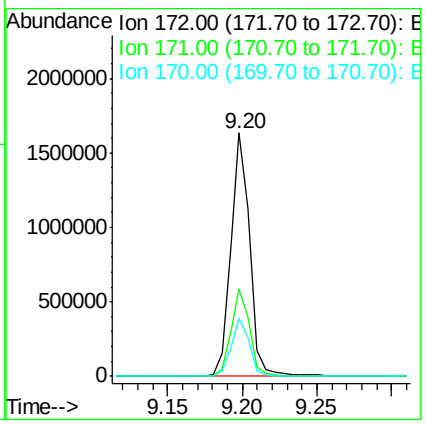


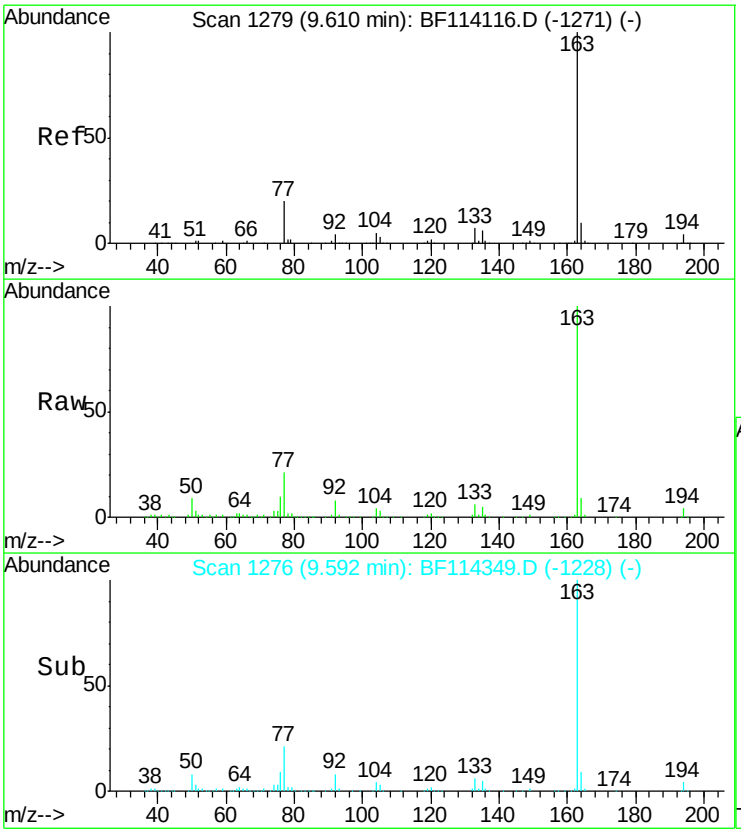

#45
2-Fluorobiphenyl
Concen: 33.344 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:172 Resp: 1462757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 30.7 | 46.1 |
| 170 | 23.9 | 20.5 | 30.7 |

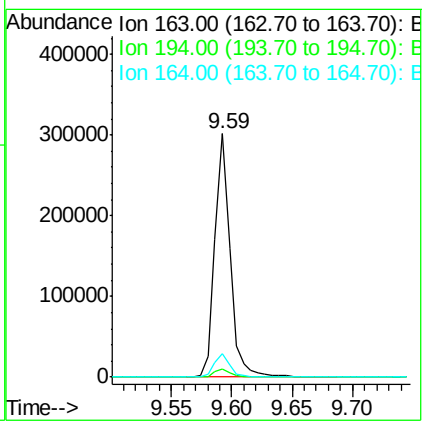


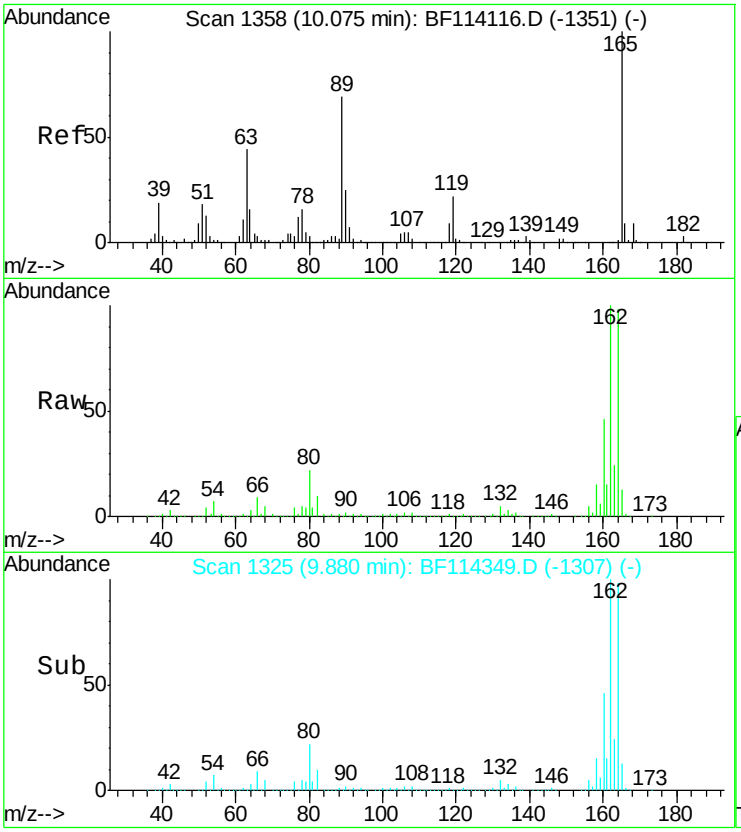




#50
Dimethylphthalate
Concen: 5.372 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:163 Resp: 261712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 3.4 | 5.0 |
| 164 | 9.4 | 8.2 | 12.2 |



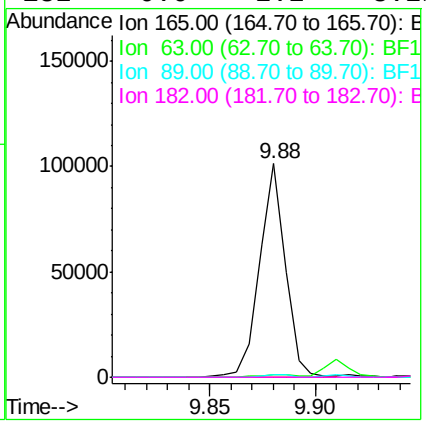


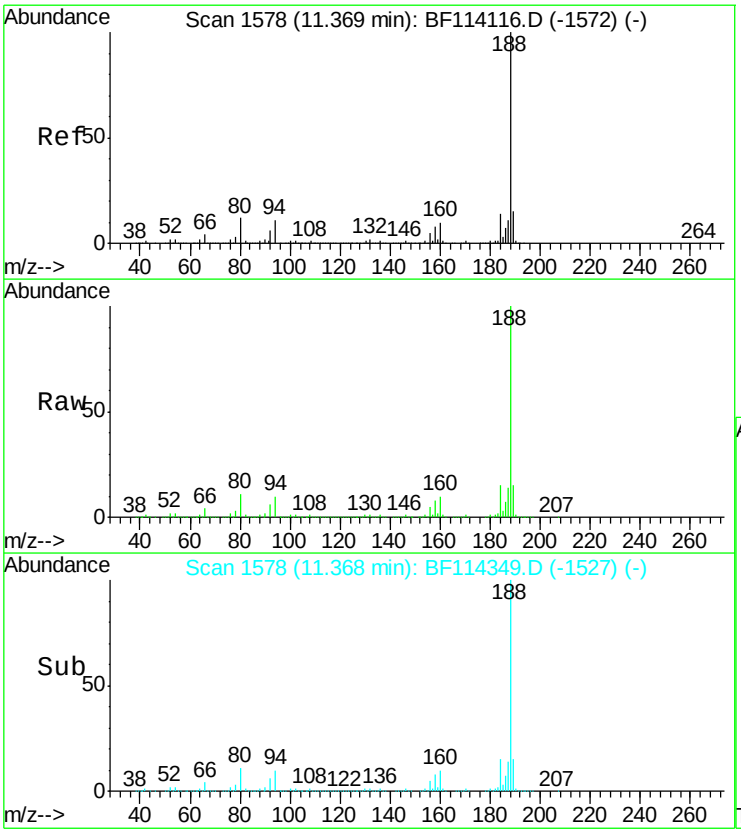

#57
2,4-Dinitrotoluene
Concen: 5.912 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:165 Resp: 86702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 35.5 | 53.3# |
| 89 | 1.4 | 55.2 | 82.8# |
| 182 | 0.0 | 2.2 | 3.2# |

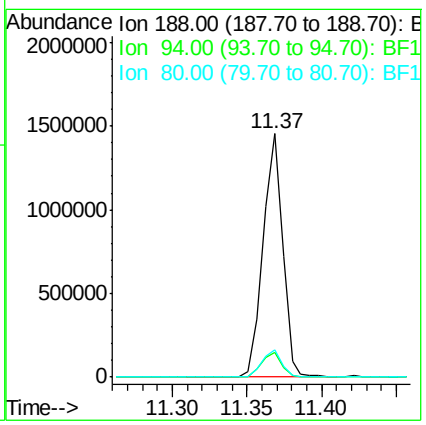


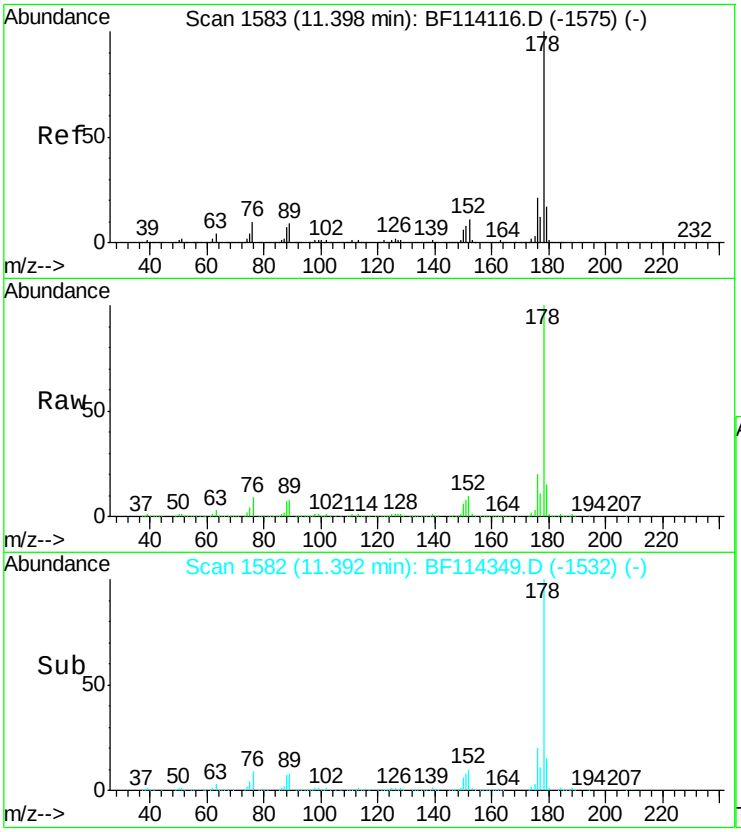




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:188 Resp: 1309789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.4 | 12.6 |
| 80 | 11.0 | 9.2 | 13.8 |



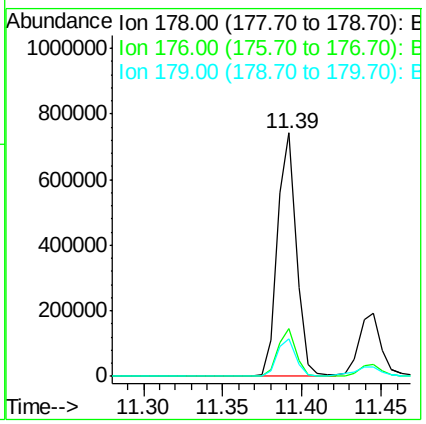


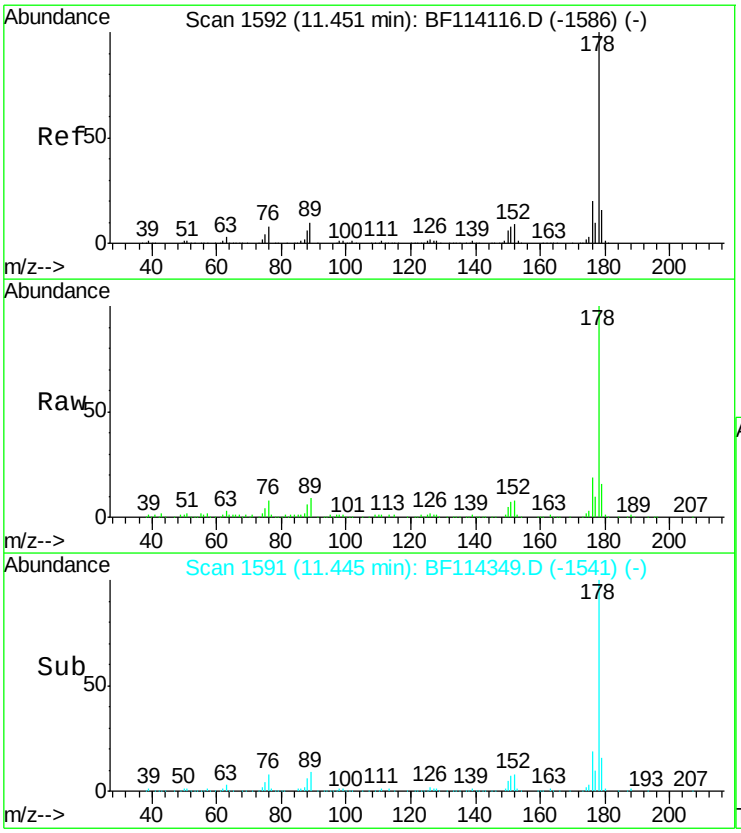

#71
Phenanthrene
Concen: 9.703 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:178 Resp: 618287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 16.4 | 24.6 |
| 179 | 15.3 | 13.2 | 19.8 |

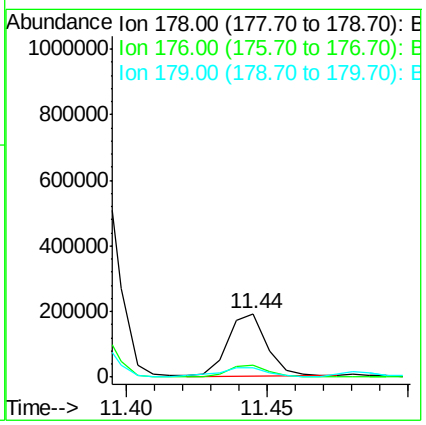


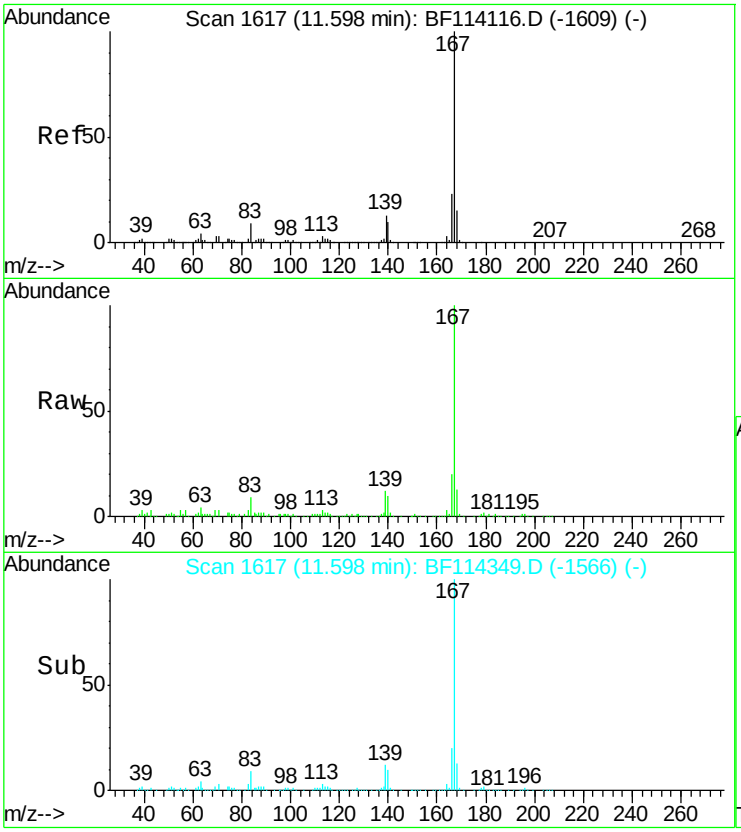




#72
Anthracene
Concen: 2.824 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:178 Resp: 180758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.8 | 23.8 |
| 179 | 15.8 | 13.0 | 19.4 |



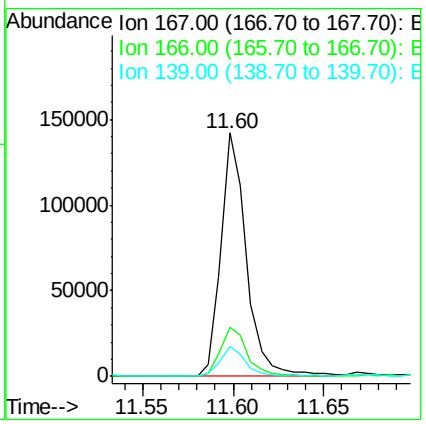


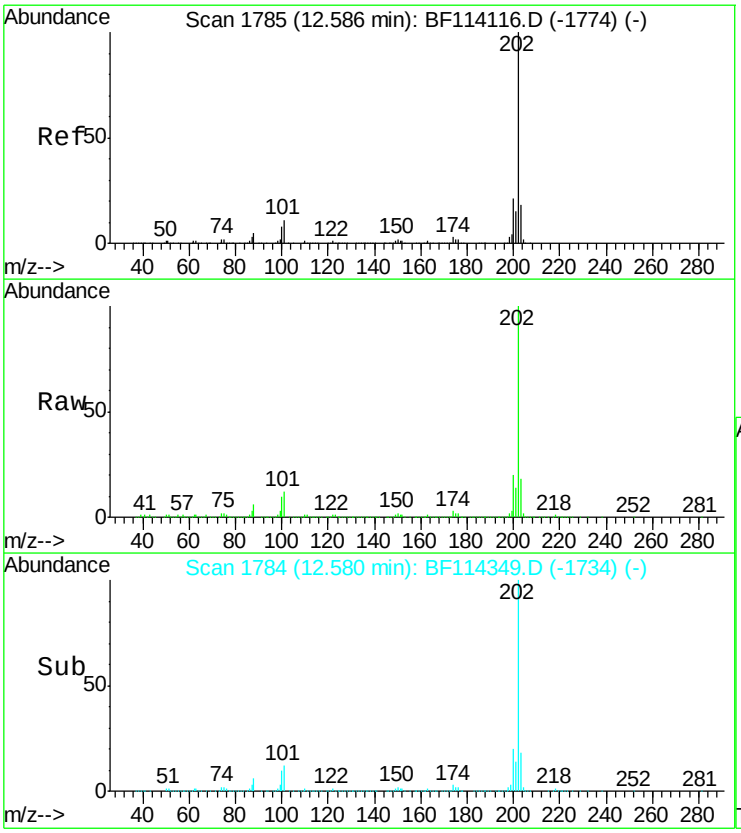

#73
Carbazole
Concen: 2.251 ng
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:167 Resp: 137416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.1 | 18.2 | 27.2 |
| 139 | 12.2 | 10.6 | 16.0 |

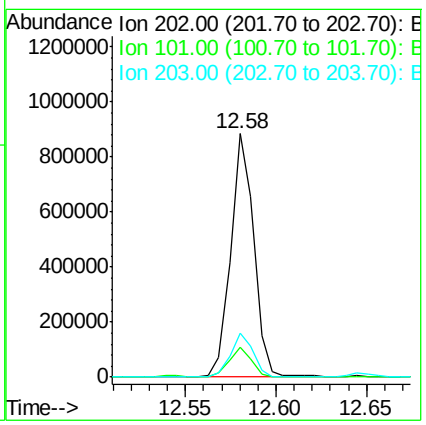


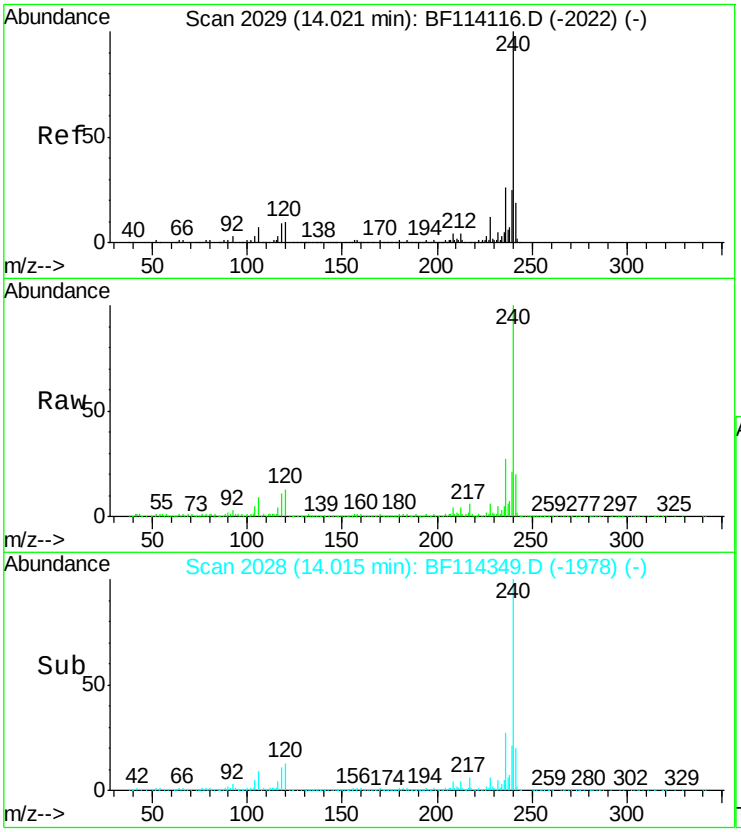




#75
Fluoranthene
Concen: 11.394 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:202 Resp: 781902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 0.0 | 31.0 |
| 203 | 18.3 | 0.0 | 38.4 |



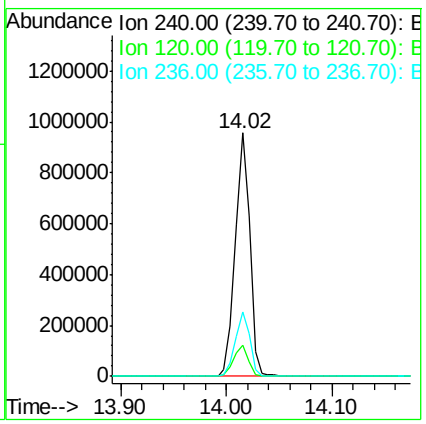


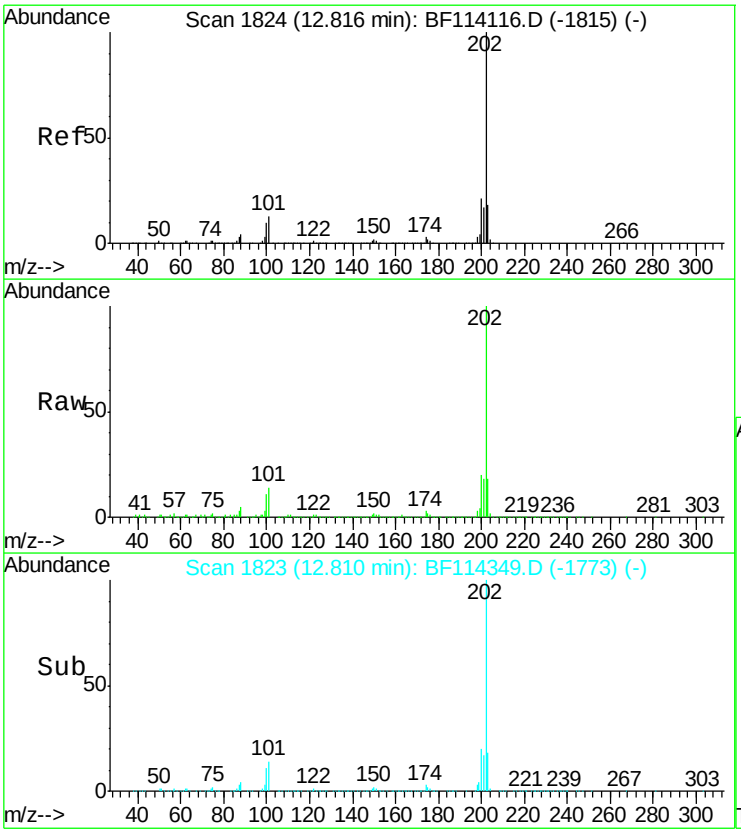

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:240 Resp: 896726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.8 | 8.3 | 12.5# |
| 236 | 26.7 | 20.8 | 31.2 |

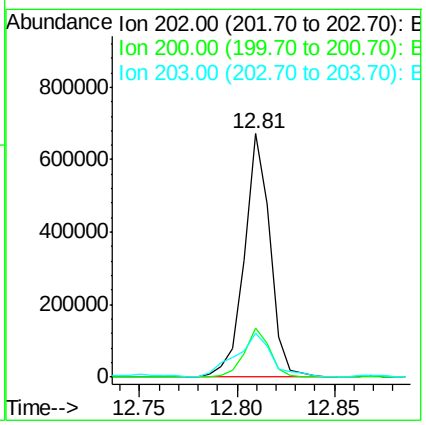


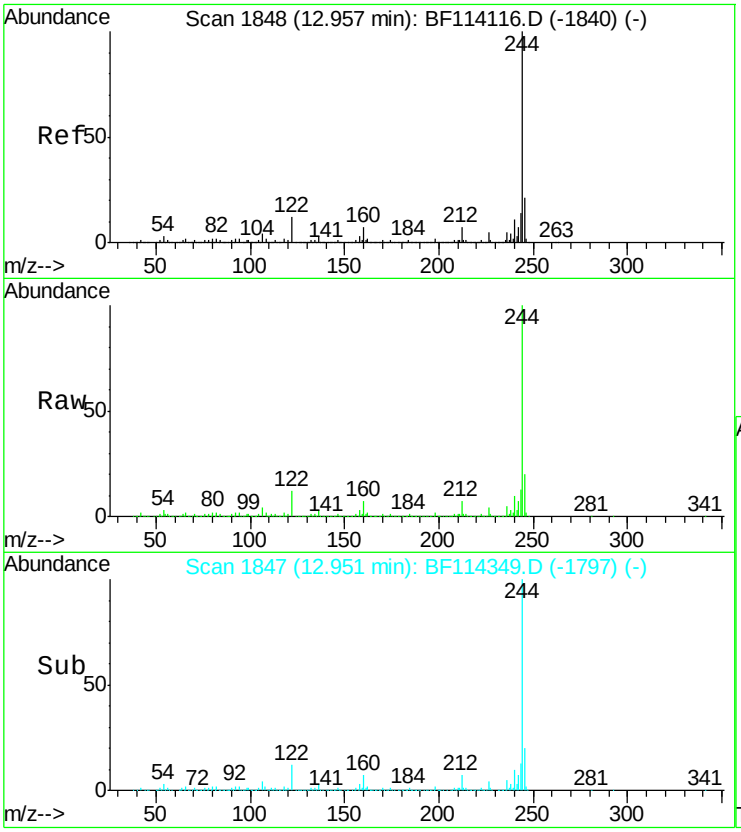




#78
Pyrene
Concen: 8.439 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:202 Resp: 608746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 16.9 | 25.3 |
| 203 | 17.8 | 14.5 | 21.7 |



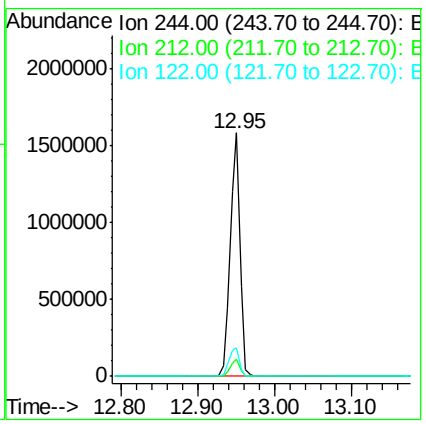


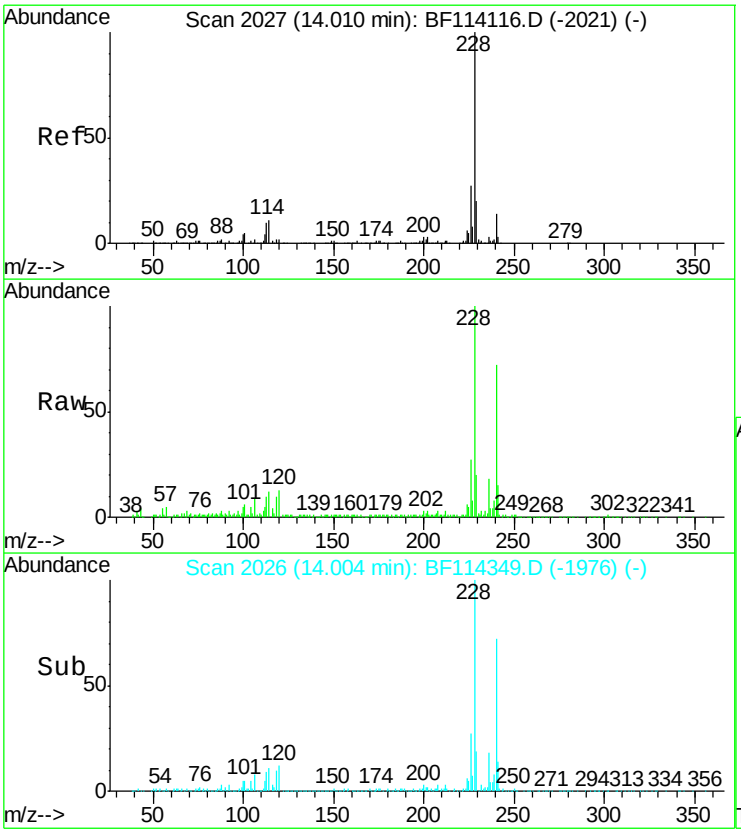

#79
Terphenyl-d14
Concen: 32.222 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:244 Resp: 1401653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.8 | 8.6 |
| 122 | 11.6 | 9.4 | 14.2 |

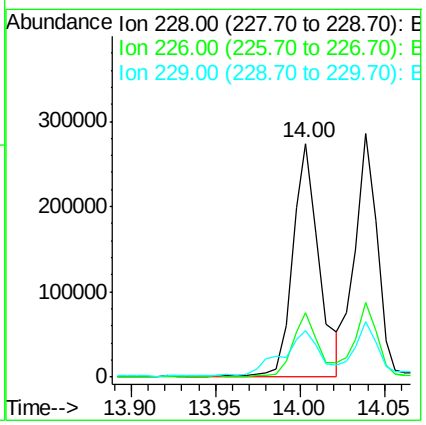


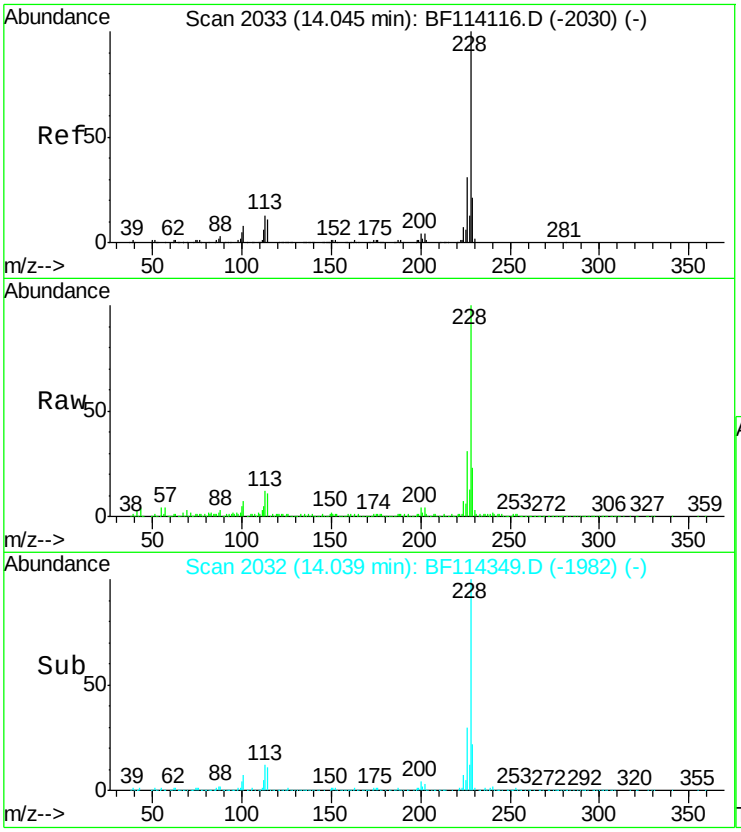




#81
Benzo(a)anthracene
Concen: 5.087 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:228 Resp: 295070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 22.2 | 33.2 |
| 229 | 20.1 | 16.4 | 24.6 |



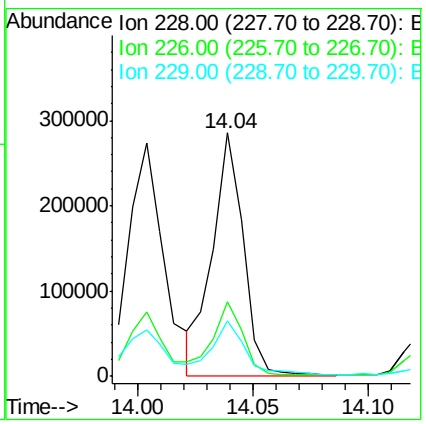


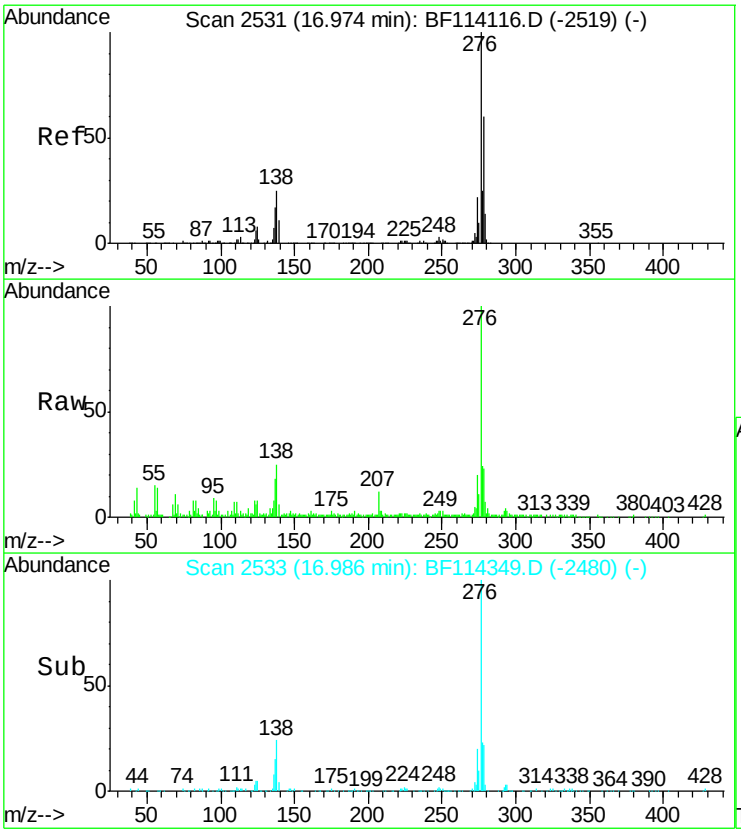

#83
Chrysene
Concen: 4.642 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:228 Resp: 263938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 25.0 | 37.6 |
| 229 | 22.6 | 17.0 | 25.6 |

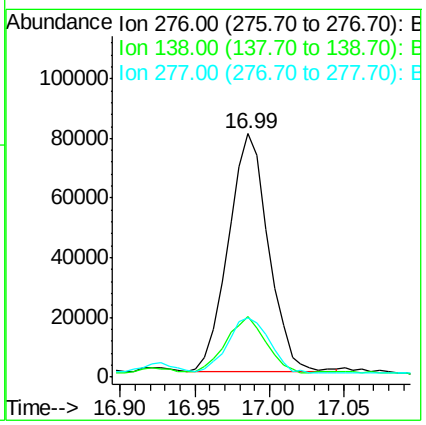


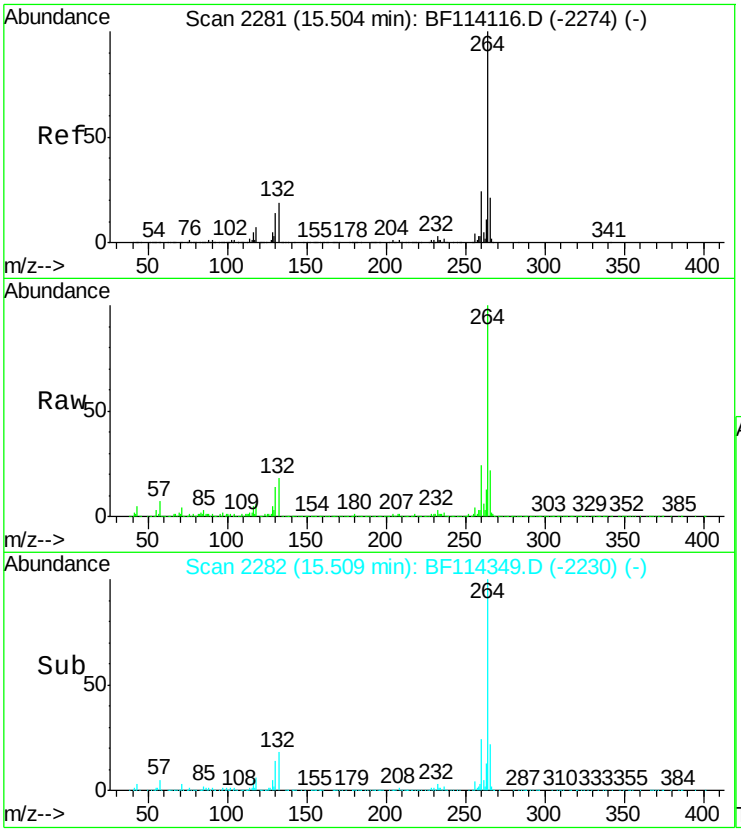




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.965 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:276 Resp: 148986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.9 | 20.2 | 30.2 |
| 277 | 24.1 | 20.0 | 30.0 |



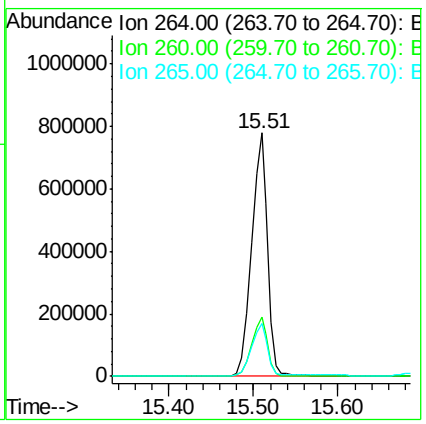


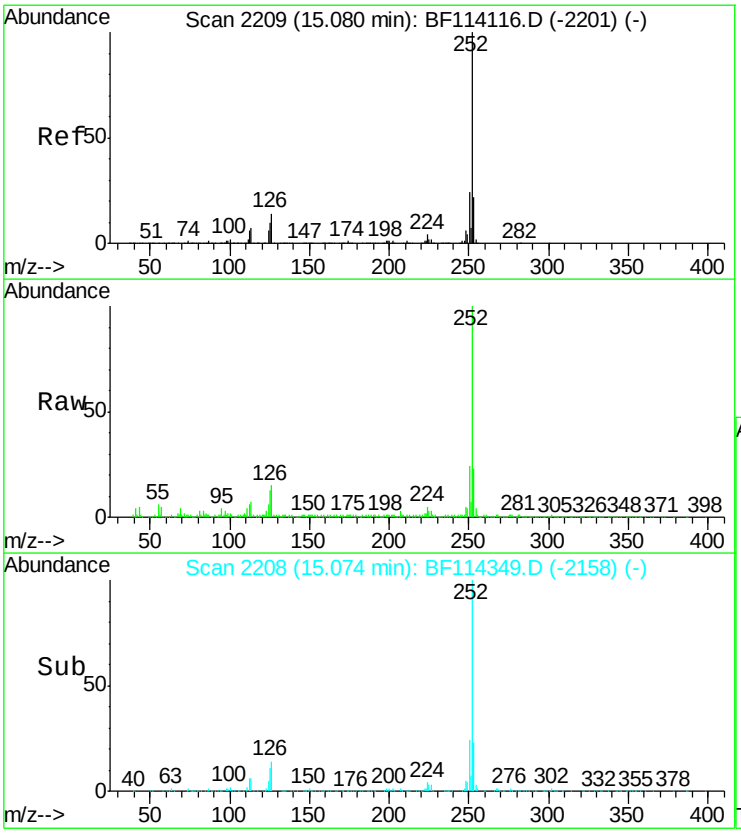

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:264 Resp: 1038153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.0 |
| 265 | 21.7 | 16.9 | 25.3 |

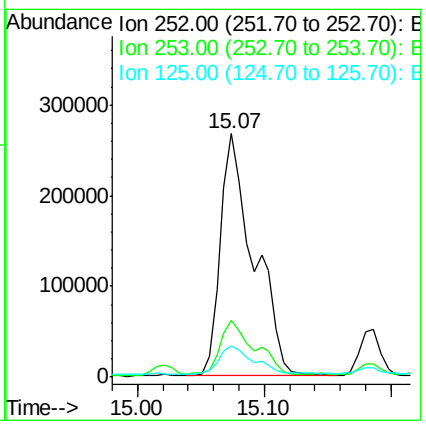


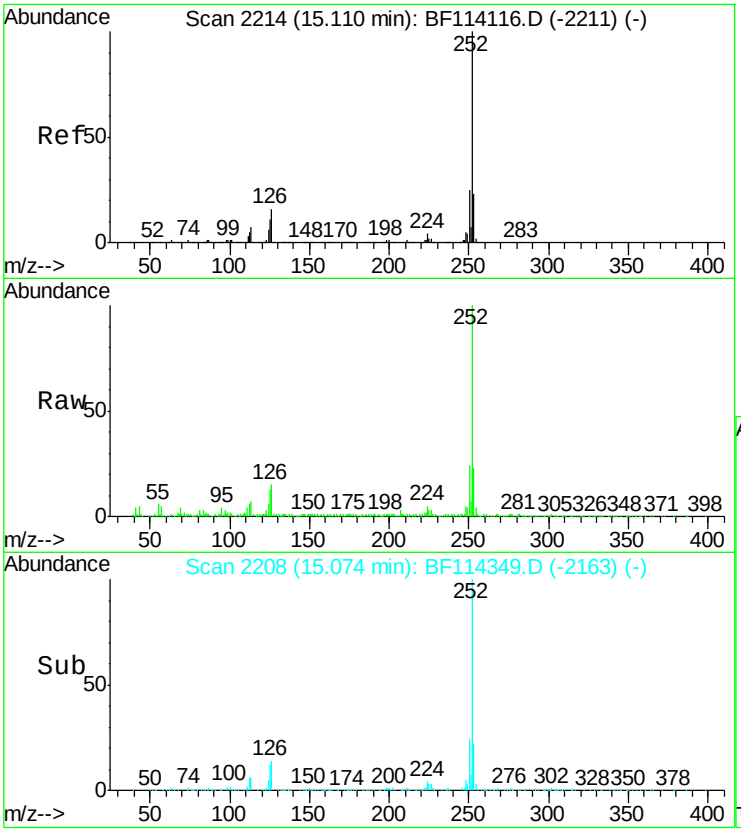




#88
Benzo(b)fluoranthene
Concen: 7.422 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:252 Resp: 493625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.8 | 26.8 |
| 125 | 12.7 | 8.3 | 12.5# |



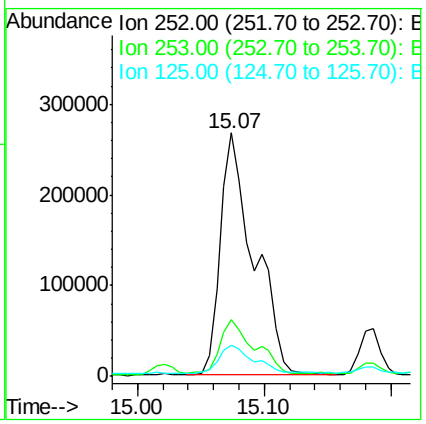


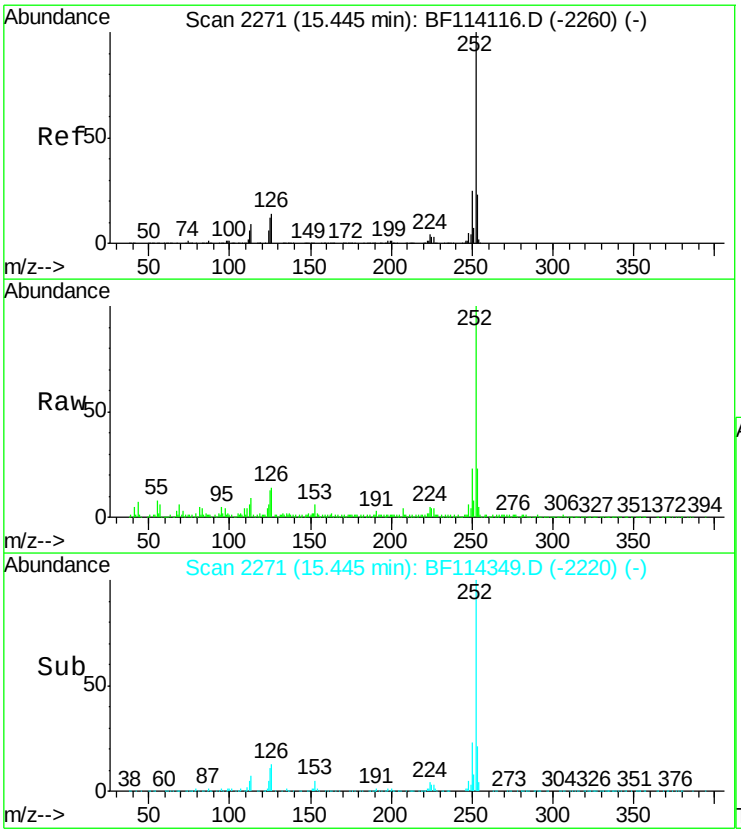

#89
Benzo(k)fluoranthene
Concen: 8.079 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:252 Resp: 493625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.2 | 27.2 |
| 125 | 12.7 | 8.6 | 13.0 |

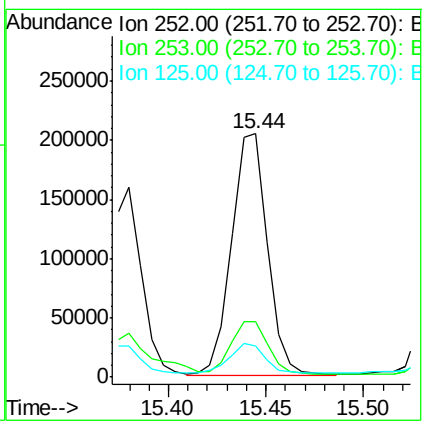


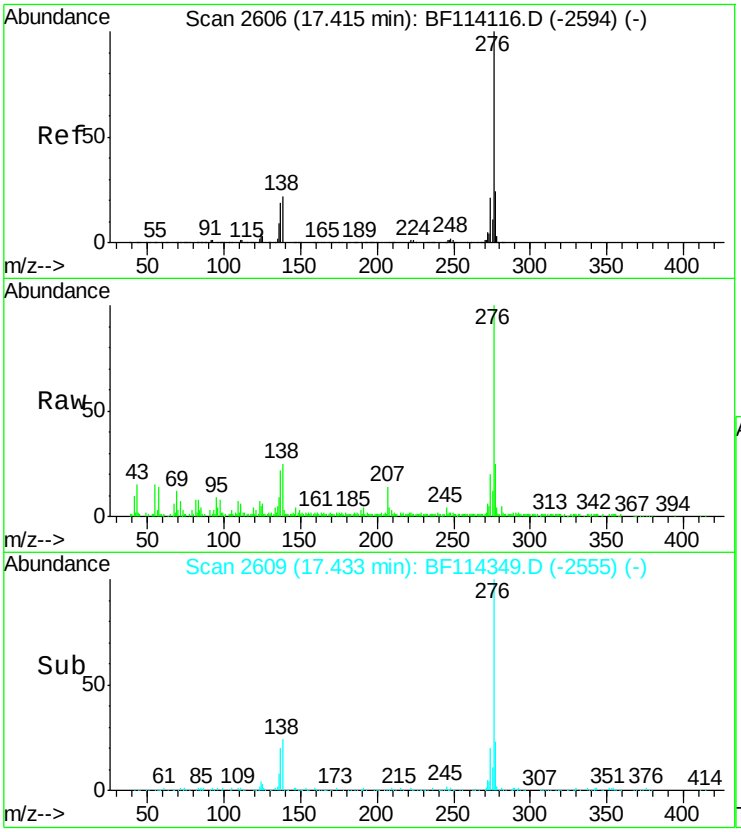




#90
Benzo(a)pyrene
Concen: 4.466 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:252 Resp: 261414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 18.1 | 27.1 |
| 125 | 12.6 | 9.5 | 14.3 |






#92
Benzo(g,h,i)perylene
Concen: 3.036 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:276 Resp: 147994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.2 | 19.0 | 28.4 |
| 138 | 24.7 | 17.8 | 26.6 |