Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122118\
Data File : BE098551.D
Acq On : 21 Dec 2018 12:53
Operator : SJ/JU
Sample : J6398-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :**

Quant Time: Dec 21 15:28:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 544 | 0.40 | ng | | -0.01 |
| 7) Naphthalene-d8 | 10.65 | 136 | 2591 | 0.40 | ng | | -0.01 |
| 13) Acenaphthene-d10 | 14.51 | 164 | 1986 | 0.40 | ng | | -0.02 |
| 19) Phenanthrene-d10 | 17.26 | 188 | 6213 | 0.40 | ng | | -0.02 |
| 27) Chrysene-d12 | 21.45 | 240 | 10066 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.99 | 264 | 8509 | 0.40 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.44 | 112 | 319 | 0.25 | ng | | 0.00 |
| 5) Phenol-d6 | 7.03 | 99 | 330 | 0.18 | ng | | -0.01 |
| 8) Nitrobenzene-d5 | 9.02 | 82 | 701 | 0.30 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152 | 2082 | 0.49 | ng | | -0.02 |
| 14) 2,4,6-Tribromophenol | 16.01 | 330 | 436 | 0.60 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.13 | 172 | 2758 | 0.33 | ng | | -0.02 |
| 25) Fluoranthene-d10 | 19.29 | 212 | 38030 | 0.48 | ng | | -0.02 |
| 29) Terphenyl-d14 | 19.89 | 244 | 7741 | 0.32 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 214 | 0.227 | ng | # | 60 |
| 3) n-Nitrosodimethylamine | 3.68 | 42 | 169 | 0.200 | ng | # | 100 |
| 6) bis(2-Chloroethyl)ether | 7.27 | 93 | 614 | 0.358 | ng | | 96 |
| 9) Naphthalene | 10.69 | 128 | 10513 | 0.403 | ng | | 99 |
| 10) Hexachlorobutadiene | 10.98 | 225 | 592 | 0.357 | ng | | 96 |
| 12) 2-Methylnaphthalene | 12.32 | 142 | 1766 | 0.417 | ng | | 95 |
| 16) Acenaphthylene | 14.24 | 152 | 3280 | 0.353 | ng | | 99 |
| 17) Acenaphthene | 14.57 | 154 | 2119 | 0.379 | ng | | 99 |
| 18) Fluorene | 15.55 | 166 | 3258 | 0.436 | ng | | 100 |
| 20) 4-Bromophenyl-phenylether | 16.45 | 248 | 1151 | 0.344 | ng | | 92 |
| 21) Hexachlorobenzene | 16.57 | 284 | 1276 | 0.355 | ng | | 95 |
| 22) Pentachlorophenol | 16.92 | 266 | 863 | 1.184 | ng | | 95 |
| 23) Phenanthrene | 17.30 | 178 | 6546 | 0.434 | ng | | 100 |
| 24) Anthracene | 17.40 | 178 | 5496 | 0.408 | ng | | 99 |
| 26) Fluoranthene | 19.33 | 202 | 10377 | 0.519 | ng | | 99 |
| 28) Pyrene | 19.69 | 202 | 10869 | 0.344 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.43 | 228 | 11925 | 0.416 | ng | | 99 |
| 31) Chrysene | 21.49 | 228 | 11640 | 0.388 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149 | 27320 | 0.469 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 26.67 | 276 | 8942 | 0.299 | ng | | 97 |
| 35) Benzo(b)fluoranthene | 23.21 | 252 | 10328 | 0.444 | ng | # | 94 |
| 36) Benzo(k)fluoranthene | 23.26 | 252 | 11054 | 0.408 | ng | | 97 |
| 37) Benzo(a)pyrene | 23.88 | 252 | 9556 | 0.398 | ng | | 97 |
| 38) Dibenzo(a,h)anthracene | 26.69 | 278 | 7304 | 0.323 | ng | | 98 |
| 39) Benzo(g,h,i)perylene | 27.49 | 276 | 7462 | 0.327 | ng | | 97 |

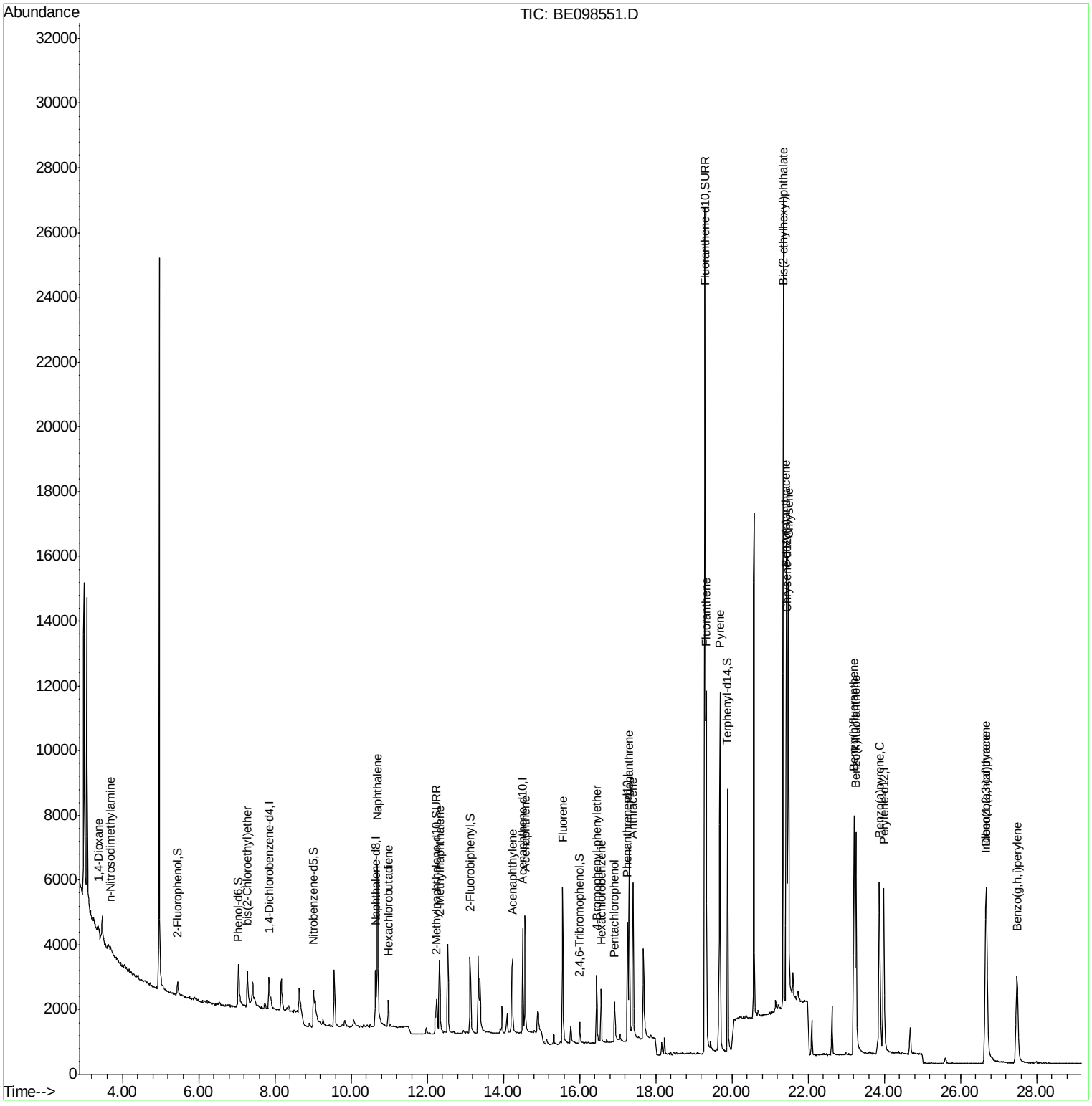
(#) = qualifier out of range (m) = manual integration (+) = signals summed

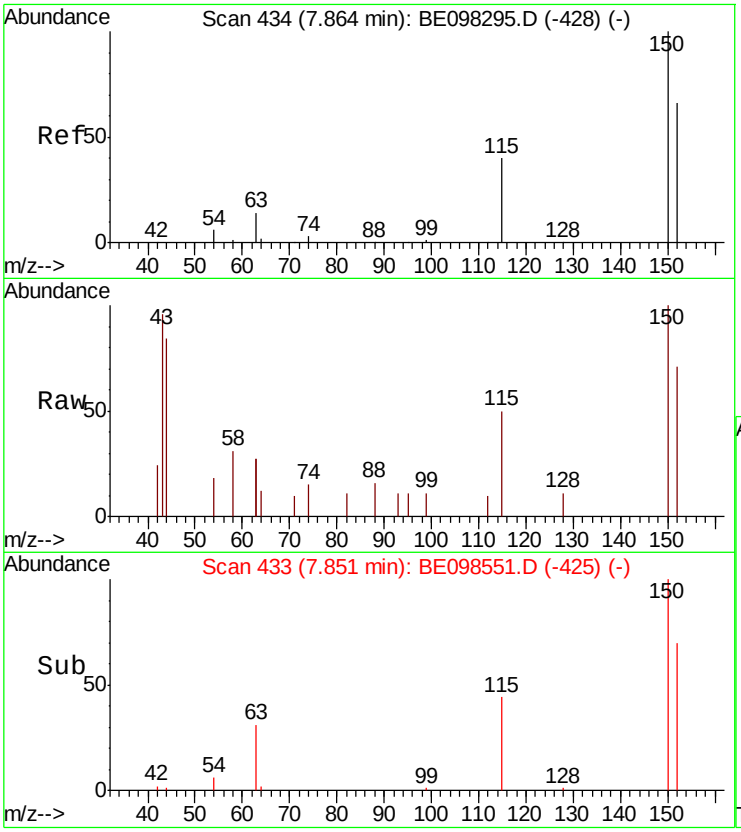
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122118\
Data File : BE098551.D
Acq On : 21 Dec 2018 12:53
Operator : SJ/JU
Sample : J6398-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**

Quant Time: Dec 21 15:28:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



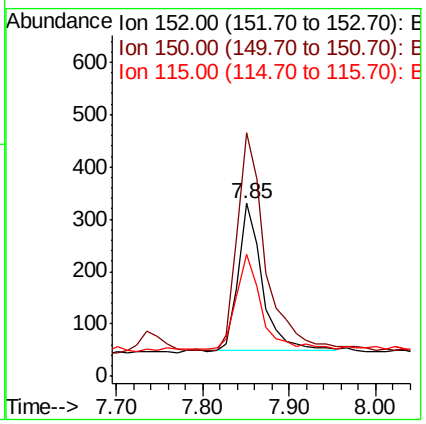


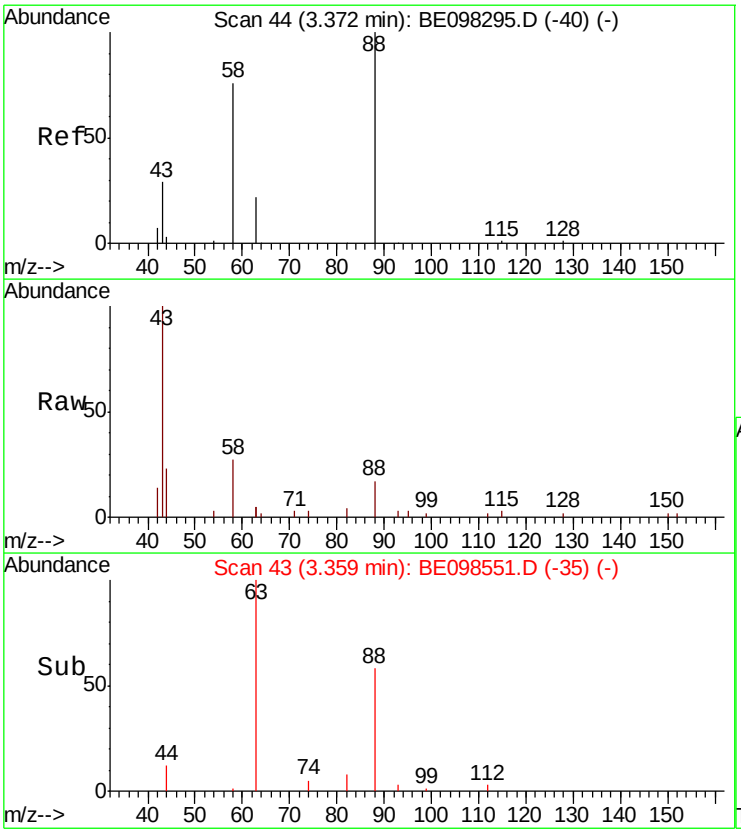

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:152 Resp: 544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 140.9 | 124.2 | 186.4 |
| 115 | 70.3 | 53.9 | 80.9 |

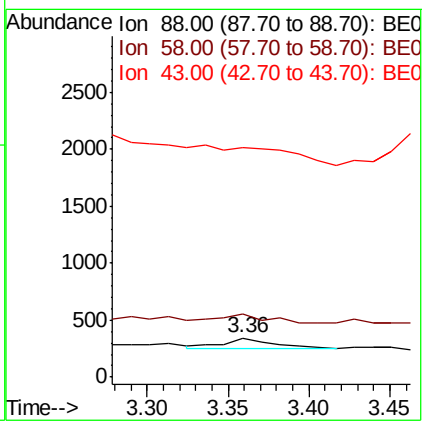


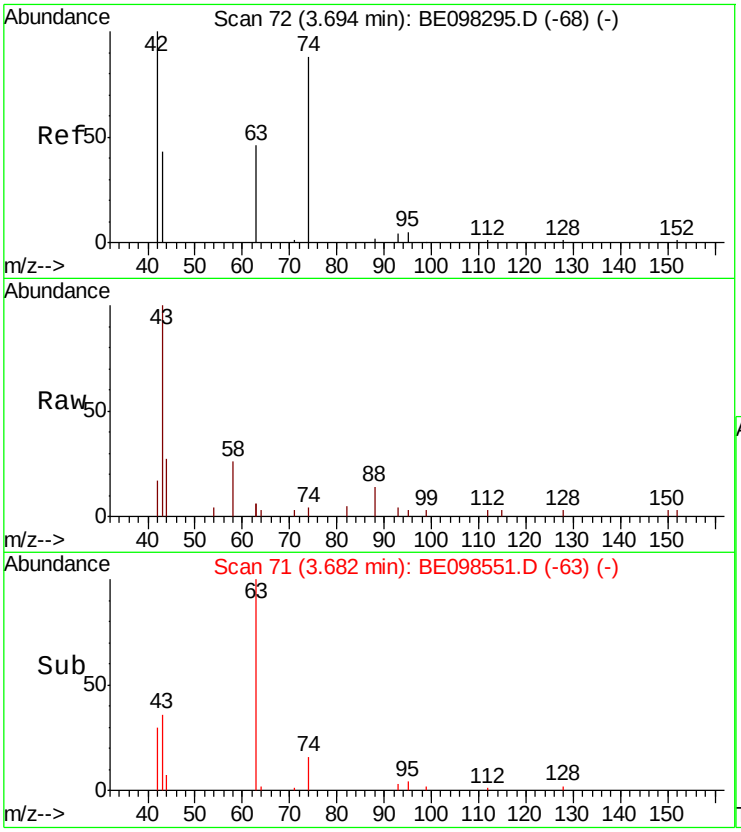




#2
1,4-Dioxane
Concen: 0.227 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 88 Resp: 214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 70.6 | 75.0 | 112.6# |
| 43 | 0.0 | 38.3 | 57.5# |



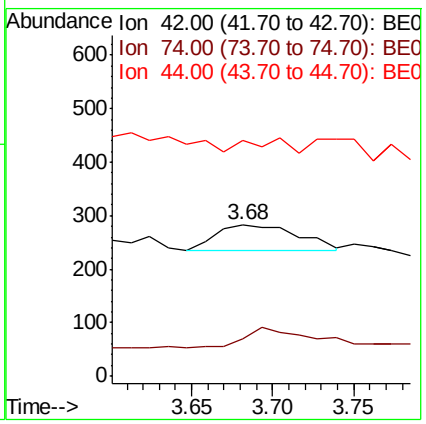


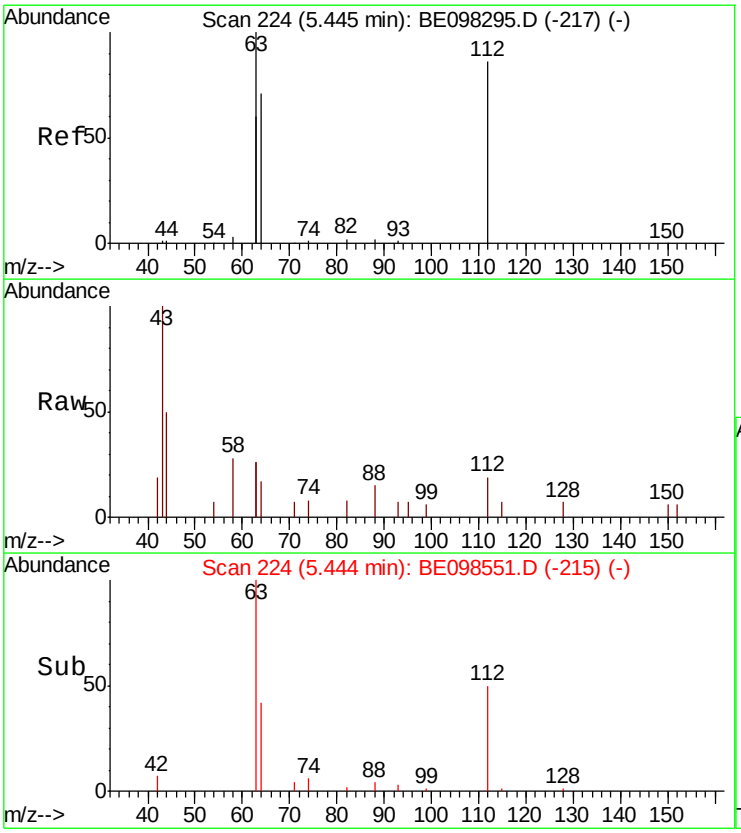

#3
n-Nitrosodimethylamine
Concen: 0.200 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion: 42 Resp: 169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 55.0 | 0.0 | 0.0# |
| 44 | 0.0 | 0.0 | 0.0 |

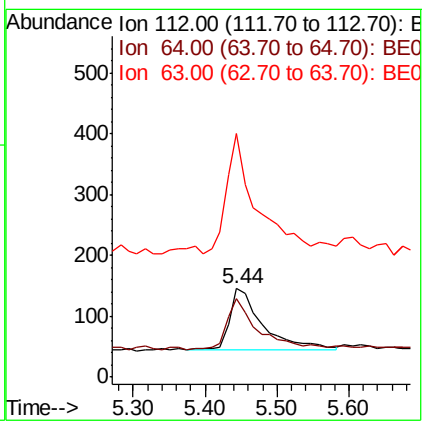


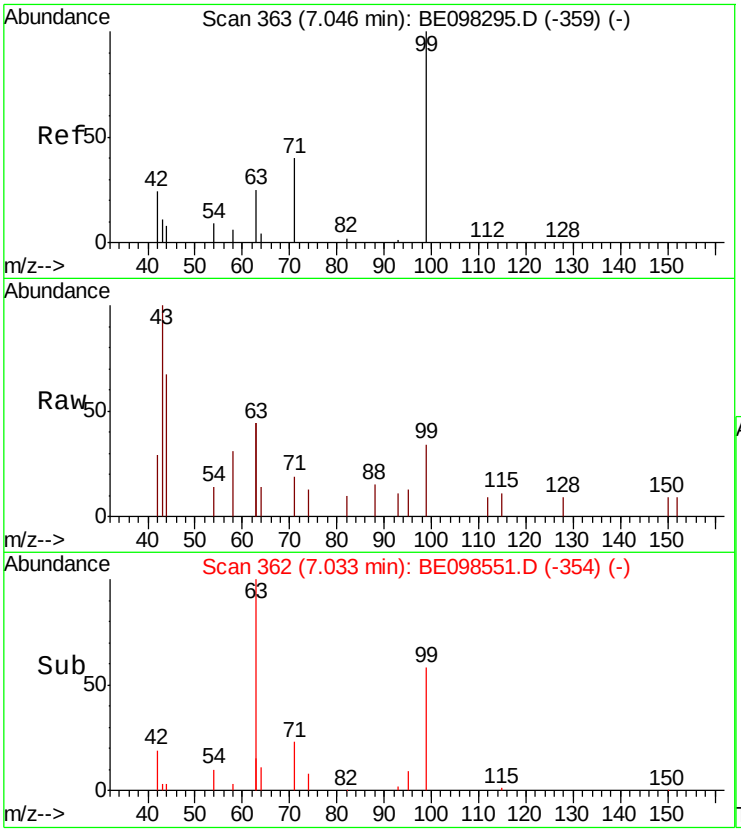




#4
2-Fluorophenol
Concen: 0.251 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:112 Resp: 319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 80.9 | 59.8 | 89.8 |
| 63 | 181.5 | 133.7 | 200.5 |



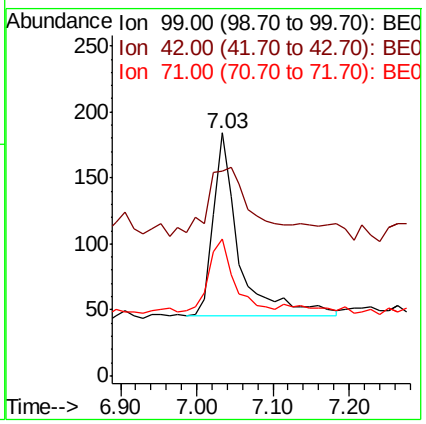


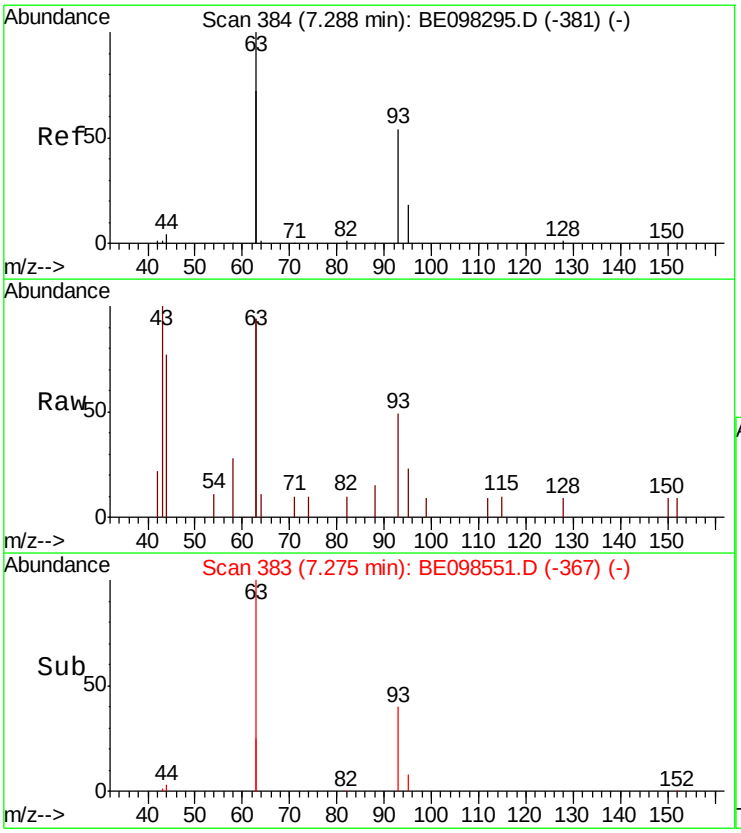

#5
Phenol-d6
Concen: 0.183 ng
RT: 7.03 min Scan# 362
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion: 99 Resp: 330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 60.9 | 26.3 | 39.5# |
| 71 | 40.6 | 33.6 | 50.4 |

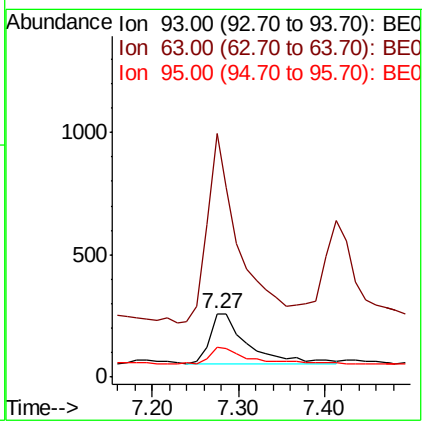


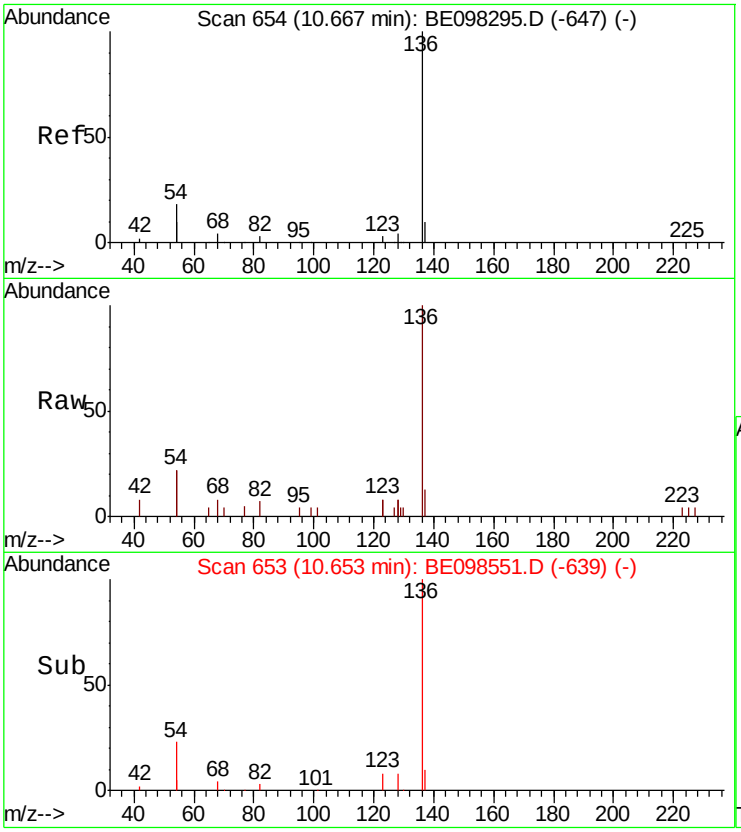




#6
bis(2-Chloroethyl)ether
Concen: 0.358 ng
RT: 7.27 min Scan# 383
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 93 Resp: 614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 323.0 | 264.4 | 396.6 |
| 95 | 30.3 | 26.6 | 40.0 |



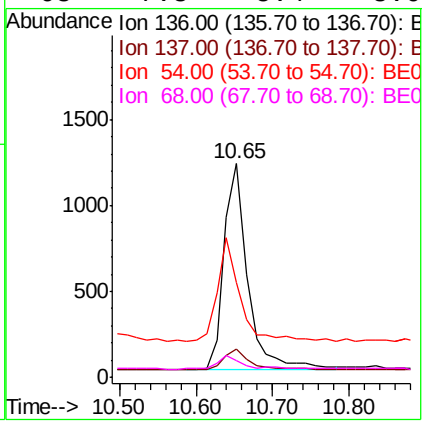


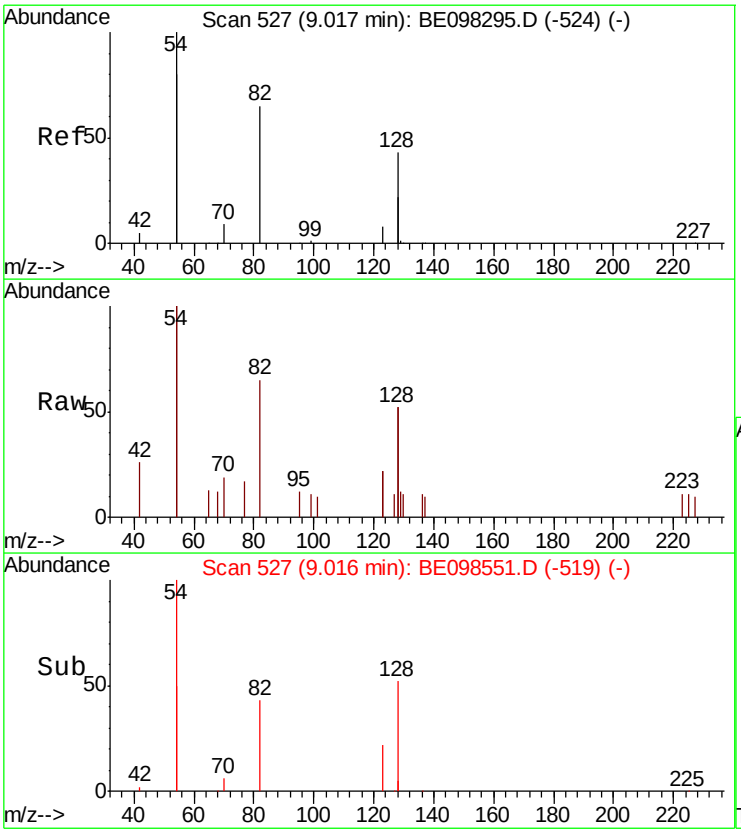

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:136 Resp: 2591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 13.4 | 9.2 | 13.8 |
| 54 | 44.1 | 28.4 | 42.6# |
| 68 | 7.8 | 5.4 | 8.0 |

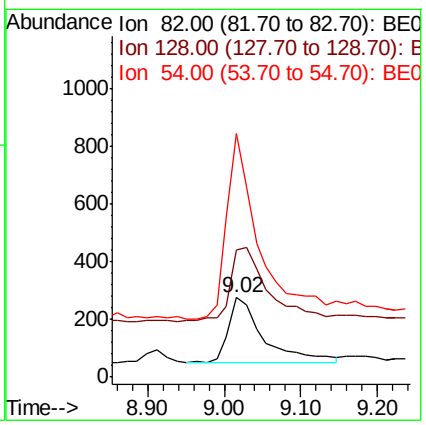


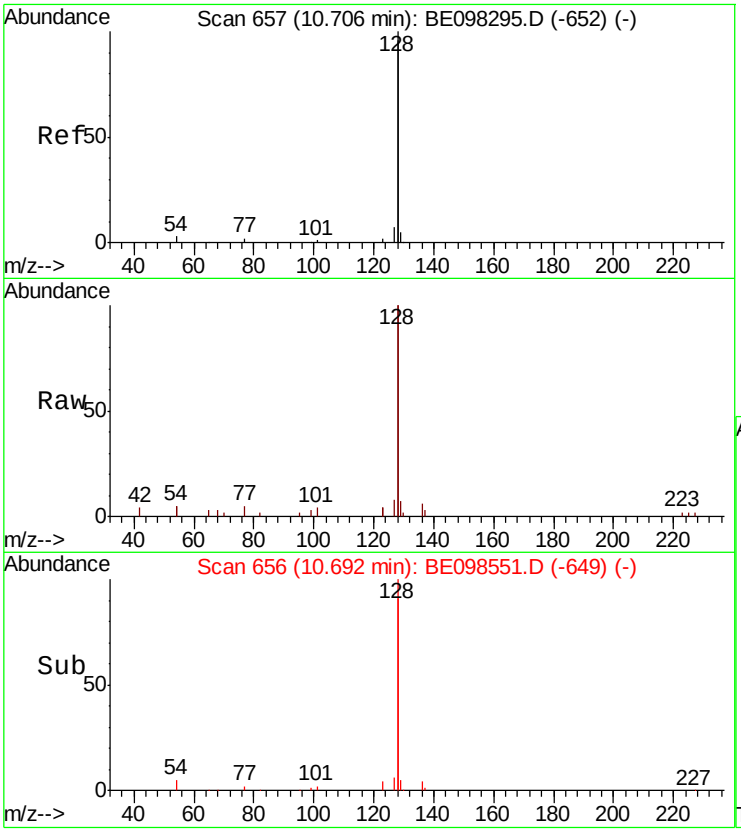




#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion: 82 Resp: 701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 160.7 | 102.4 | 153.6# |
| 54 | 306.9 | 221.8 | 332.8 |



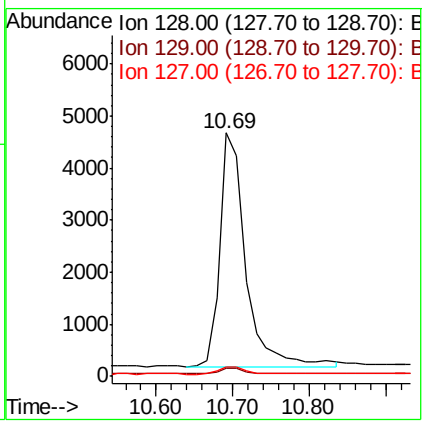


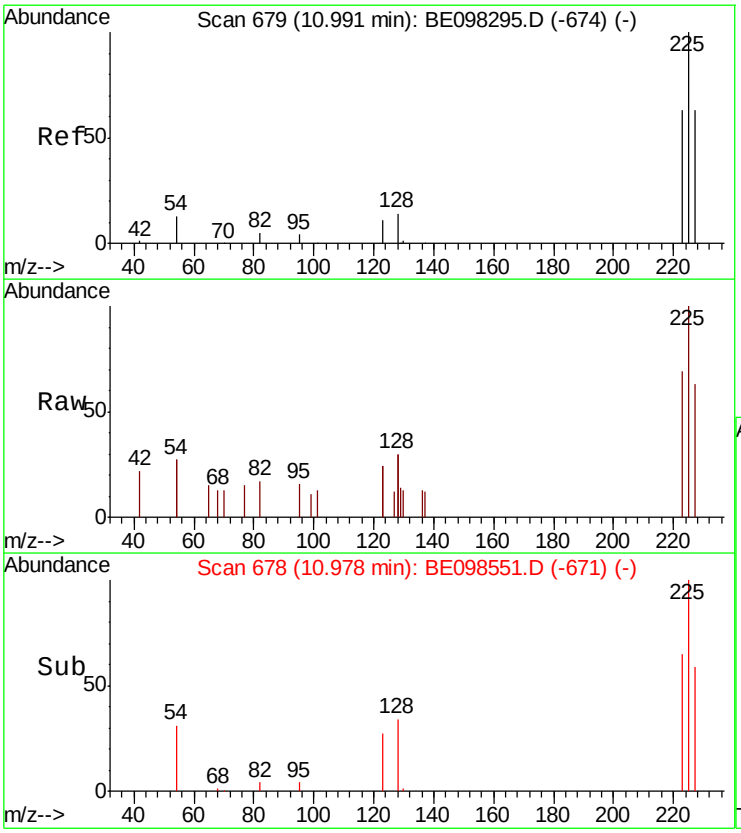

#9
Naphthalene
Concen: 0.403 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:128 Resp: 10513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.4 | 2.5 | 3.7 |
| 127 | 4.0 | 2.7 | 4.1 |

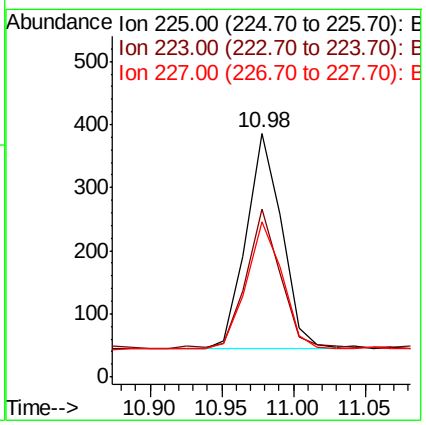


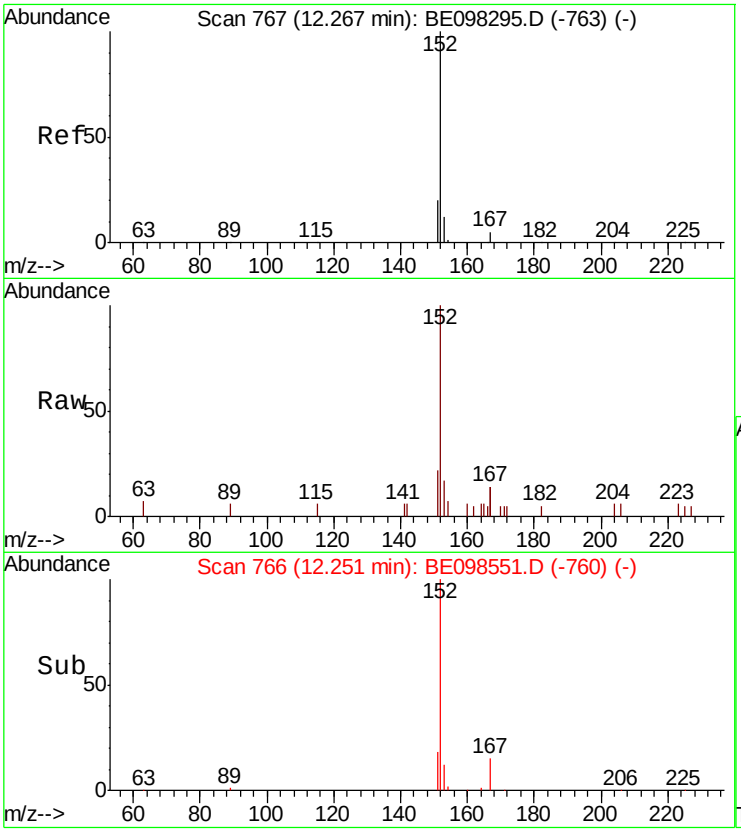




#10
Hexachlorobutadiene
Concen: 0.357 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:225 Resp: 592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 49.4 | 74.0 |
| 227 | 59.0 | 52.0 | 78.0 |



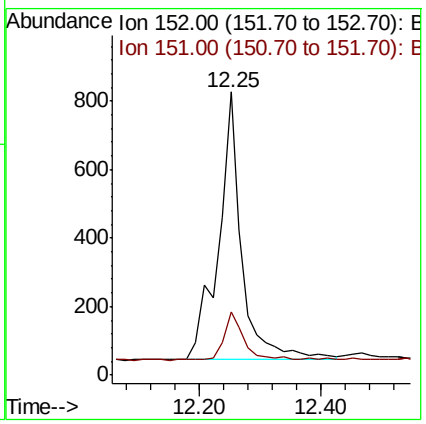


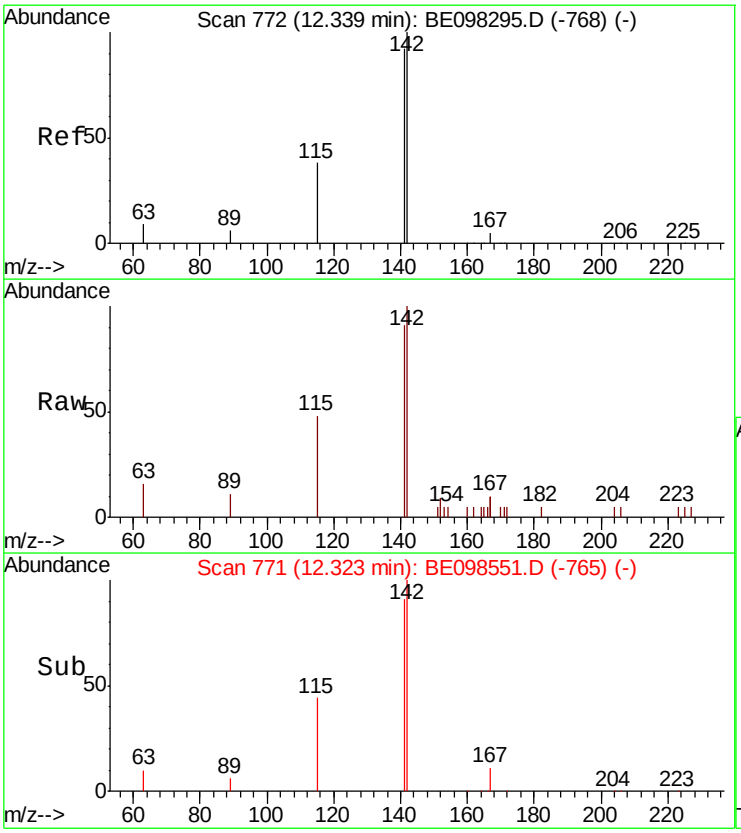

#11
2-Methylnaphthalene-d10
Concen: 0.494 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:152 Resp: 2082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 15.4 | 16.2 | 24.4# |

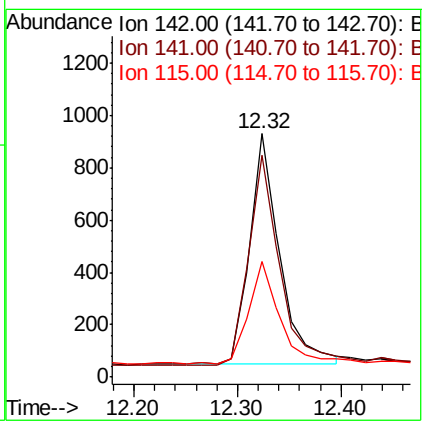


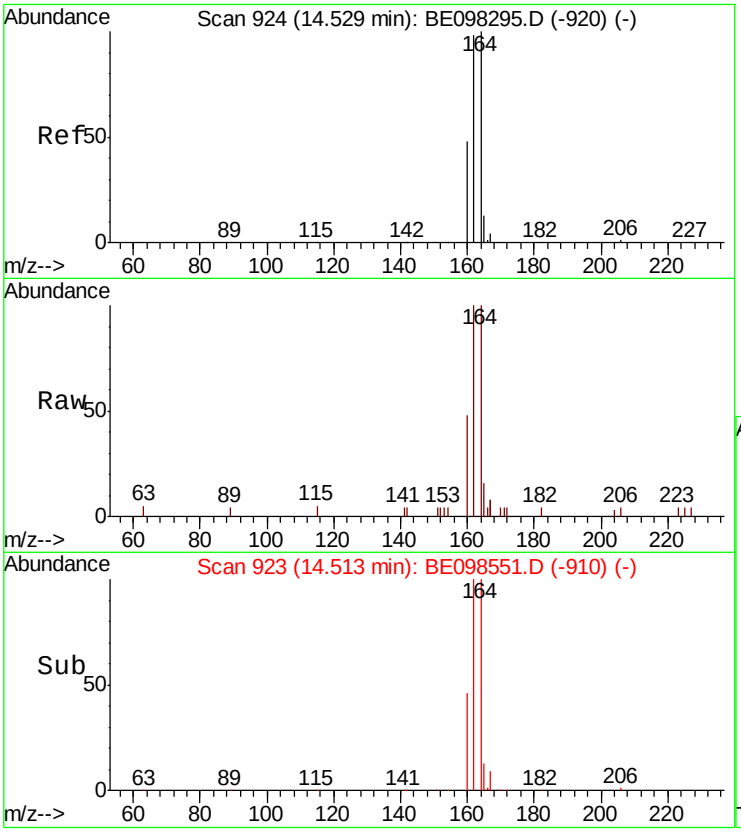




#12
2-Methylnaphthalene
Concen: 0.417 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:142 Resp: 1766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 71.0 | 106.6 |
| 115 | 47.7 | 32.2 | 48.2 |



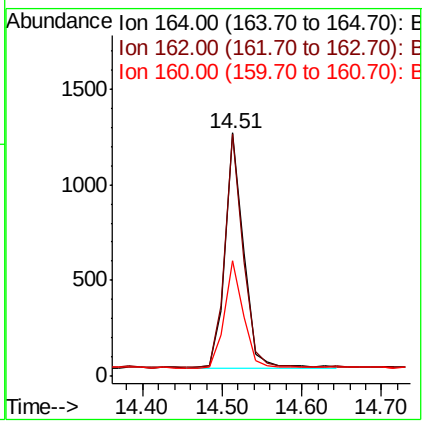


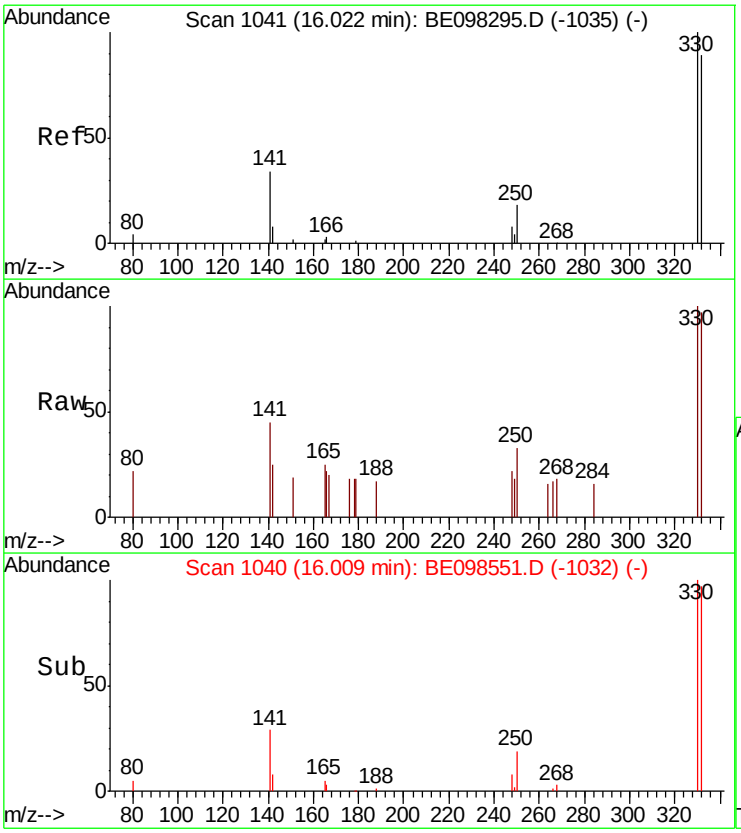

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:164 Resp: 1986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.7 | 77.6 | 116.4 |
| 160 | 47.6 | 36.0 | 54.0 |

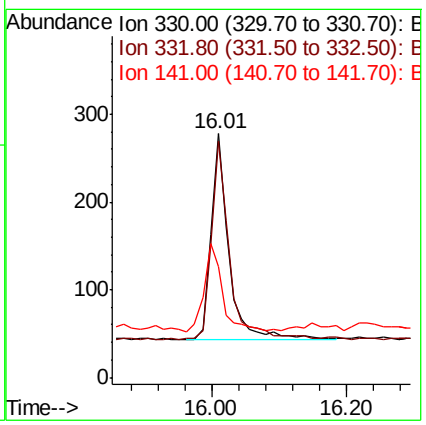


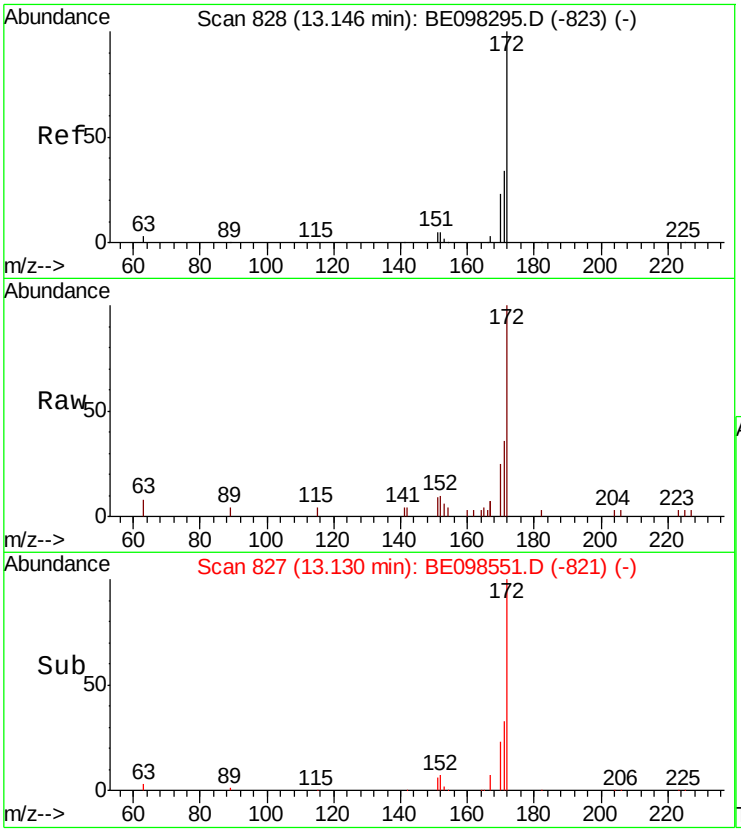




#14
2,4,6-Tribromophenol
Concen: 0.598 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:330 Resp: 436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.4 | 76.2 | 114.4 |
| 141 | 44.3 | 39.0 | 58.4 |



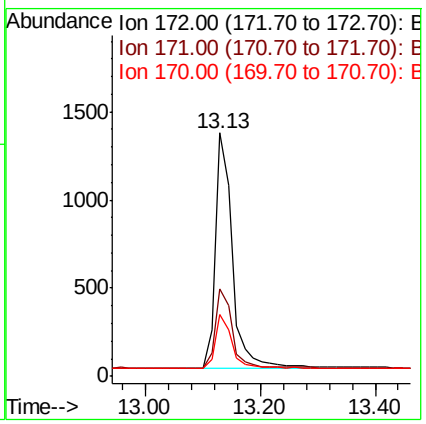


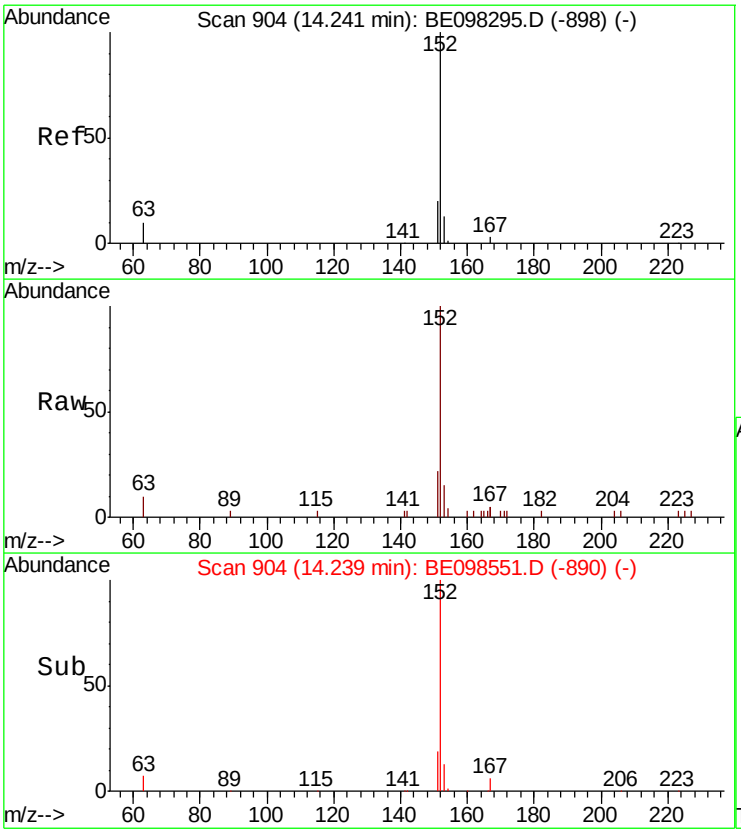

#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:172 Resp: 2758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 27.5 | 41.3 |
| 170 | 25.5 | 19.6 | 29.4 |

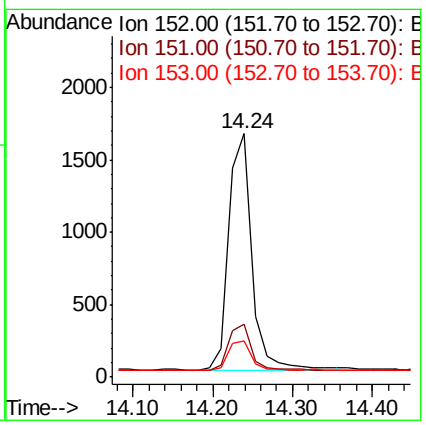


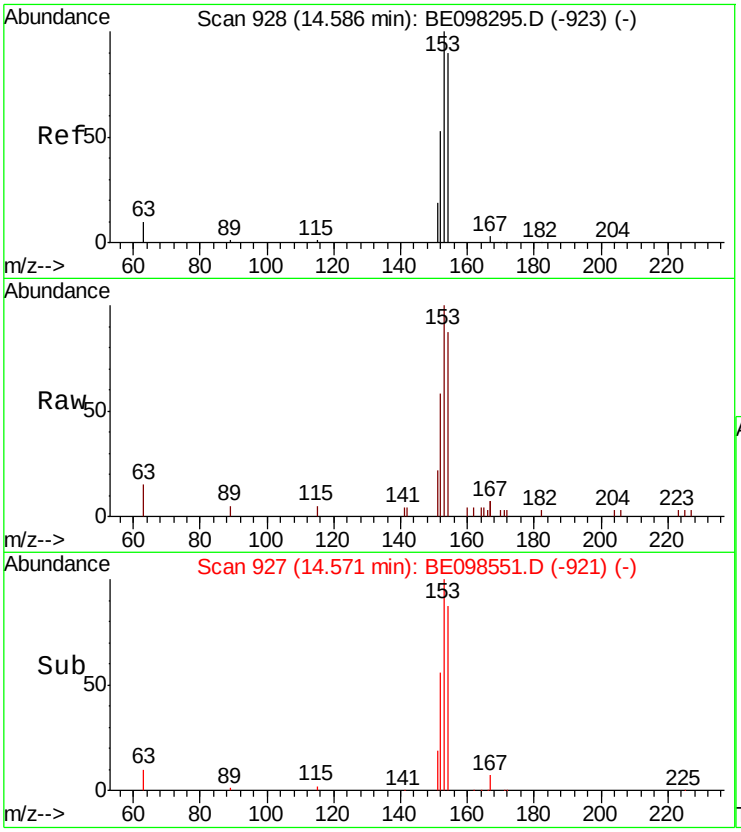




#16
Acenaphthylene
Concen: 0.353 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:152 Resp: 3280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 15.5 | 23.3 |
| 153 | 12.9 | 10.6 | 16.0 |



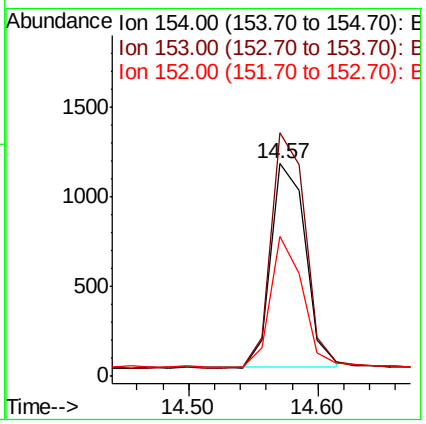


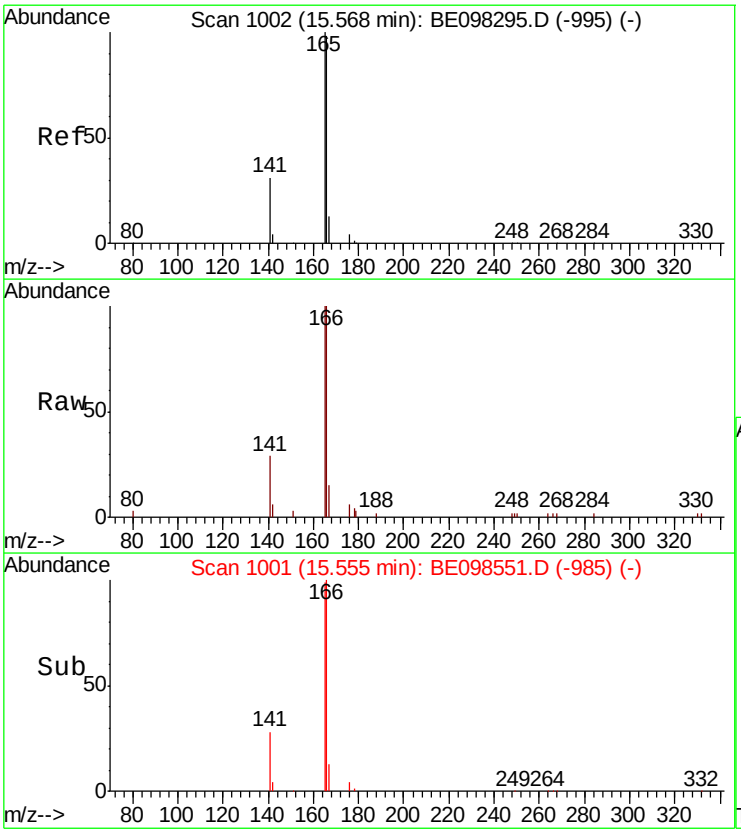

#17
Acenaphthene
Concen: 0.379 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:154 Resp: 2119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.3 | 91.8 | 137.6 |
| 152 | 58.7 | 45.5 | 68.3 |

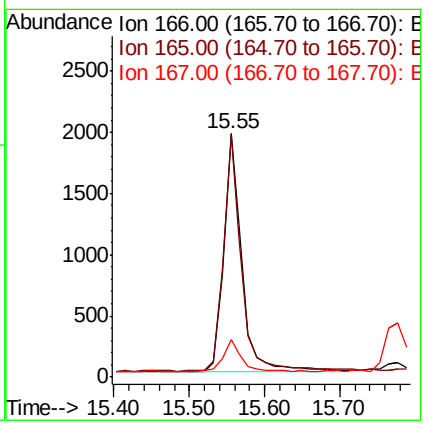


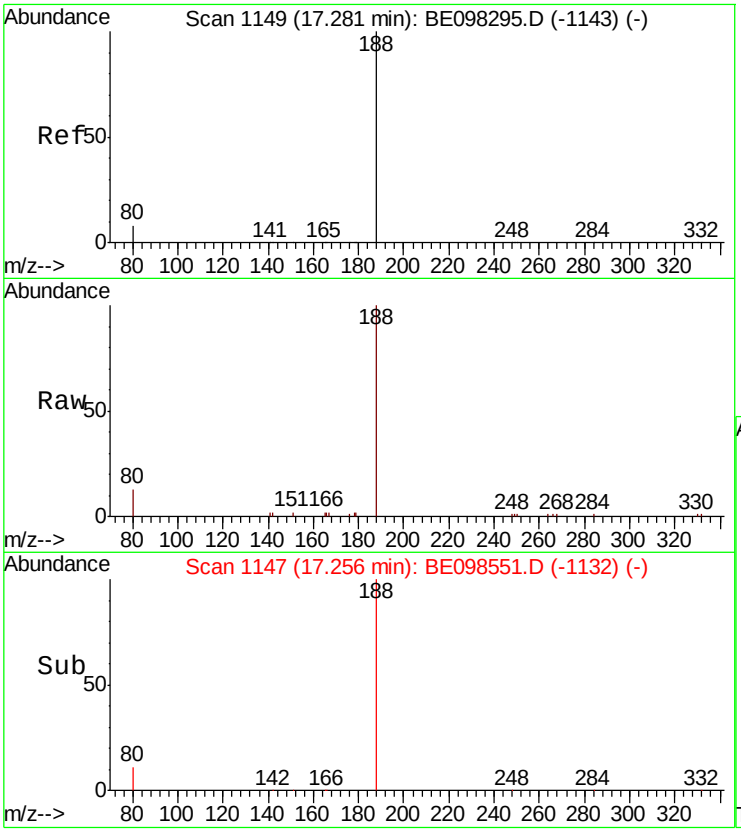




#18
Fluorene
Concen: 0.436 ng
RT: 15.55 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:166 Resp: 3258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.3 | 79.3 | 118.9 |
| 167 | 14.1 | 11.3 | 16.9 |



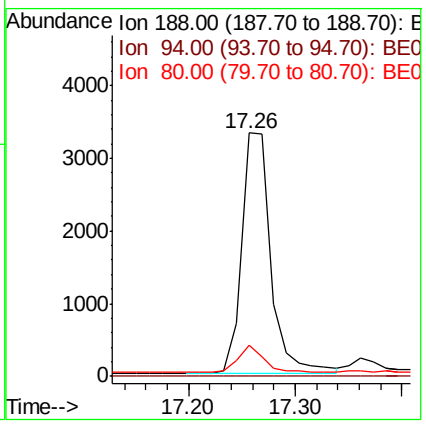


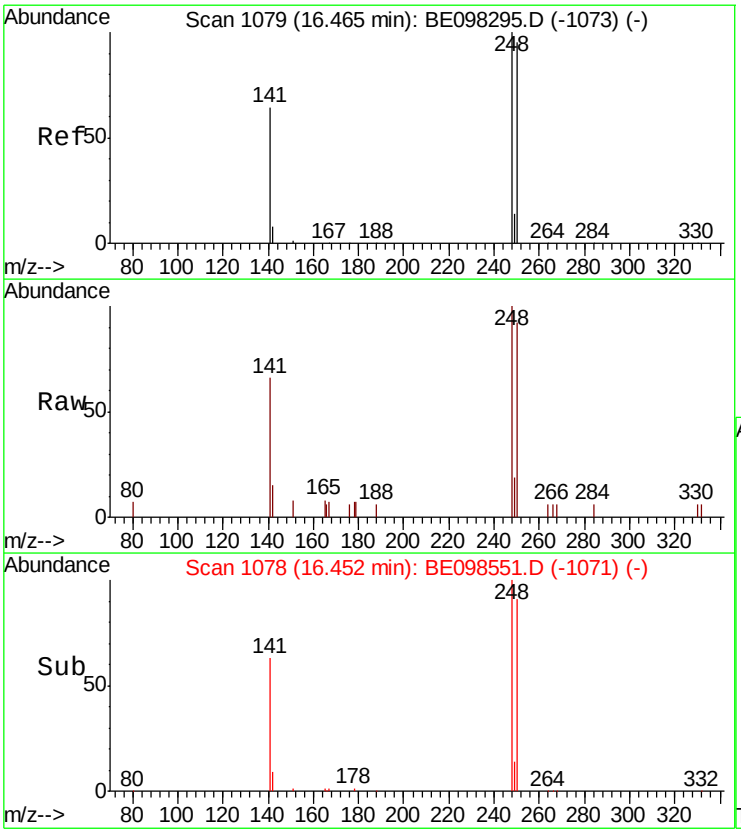

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:188 Resp: 6213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 12.5 | 7.2 | 10.8# |

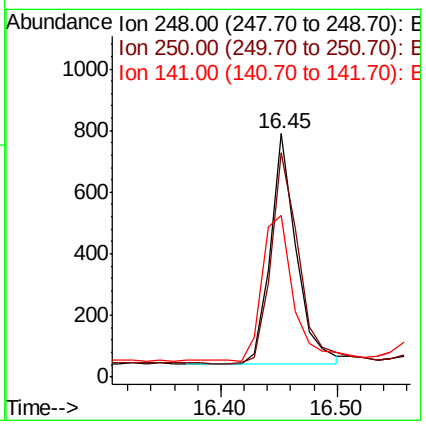


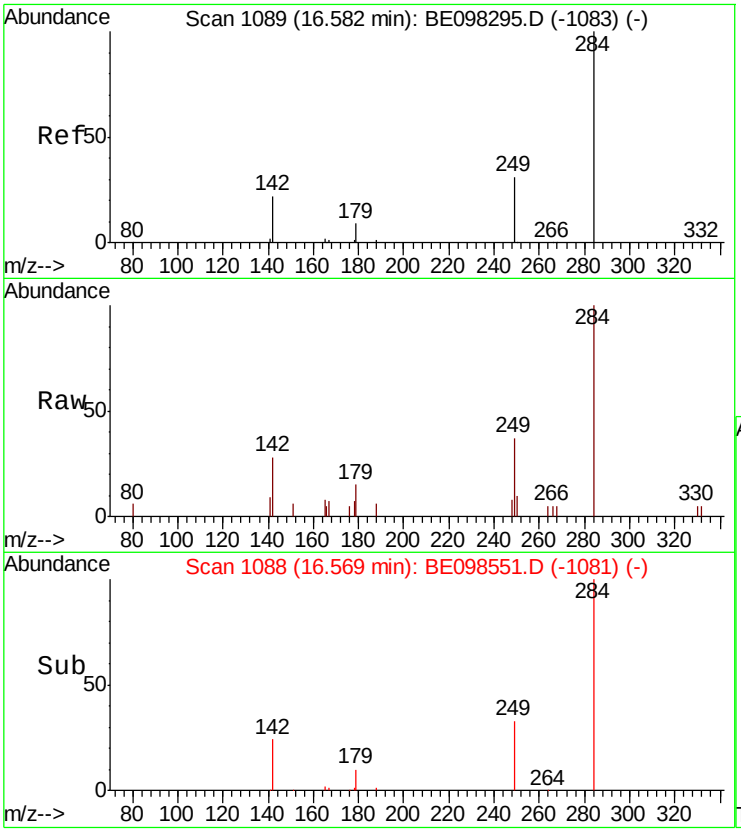




#20
4-Bromophenyl-phenylether
Concen: 0.344 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:248 Resp: 1151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 92.2 | 71.0 | 106.6 |
| 141 | 66.3 | 62.1 | 93.1 |



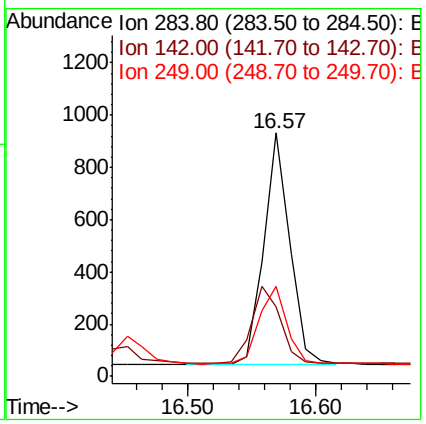


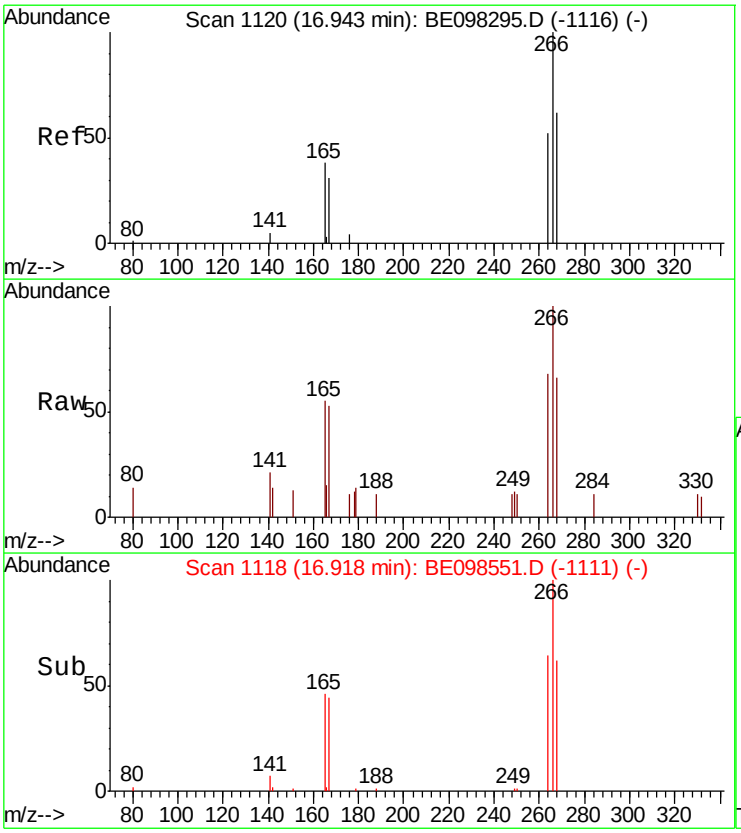

#21
Hexachlorobenzene
Concen: 0.355 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:284 Resp: 1276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.7 | 26.3 | 39.5 |
| 249 | 35.4 | 26.0 | 39.0 |

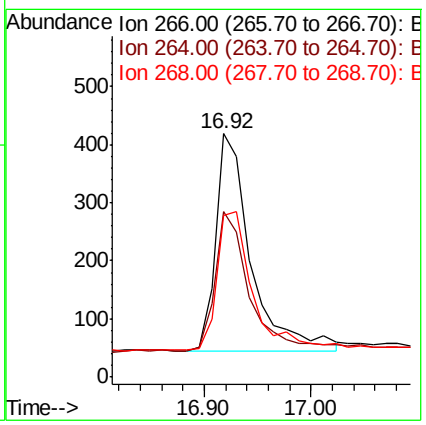


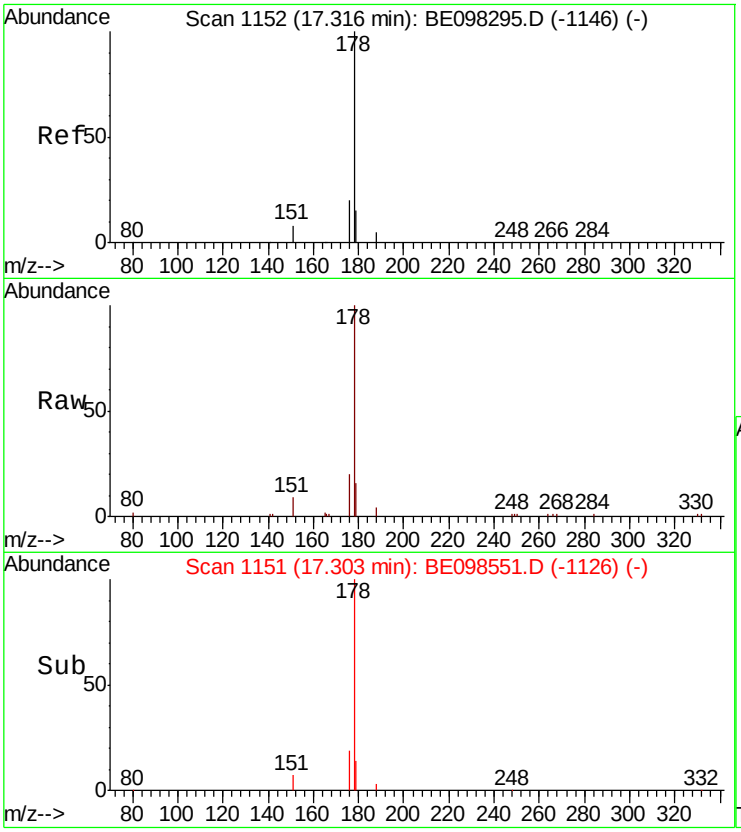




#22
Pentachlorophenol
Concen: 1.184 ng
RT: 16.92 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:266 Resp: 863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 67.8 | 59.0 | 88.4 |
| 268 | 66.3 | 55.1 | 82.7 |



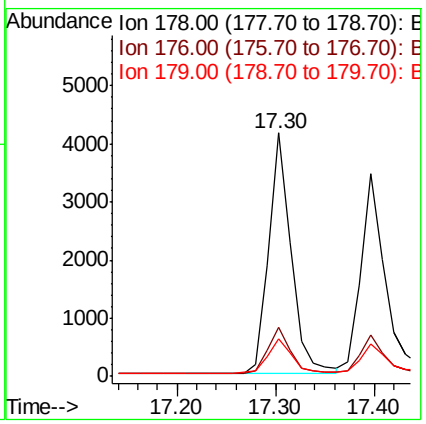


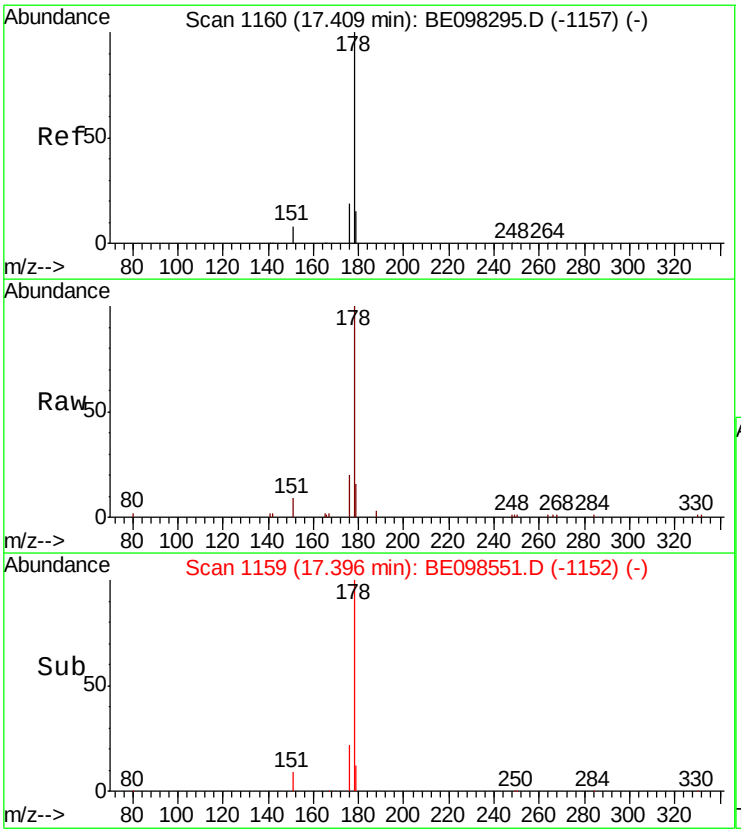

#23
Phenanthrene
Concen: 0.434 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:178 Resp: 6546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.9 | 23.9 |
| 179 | 15.6 | 12.3 | 18.5 |

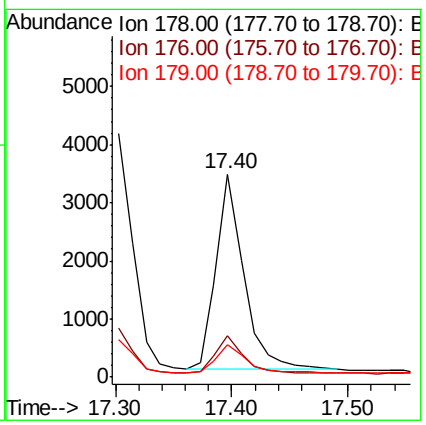


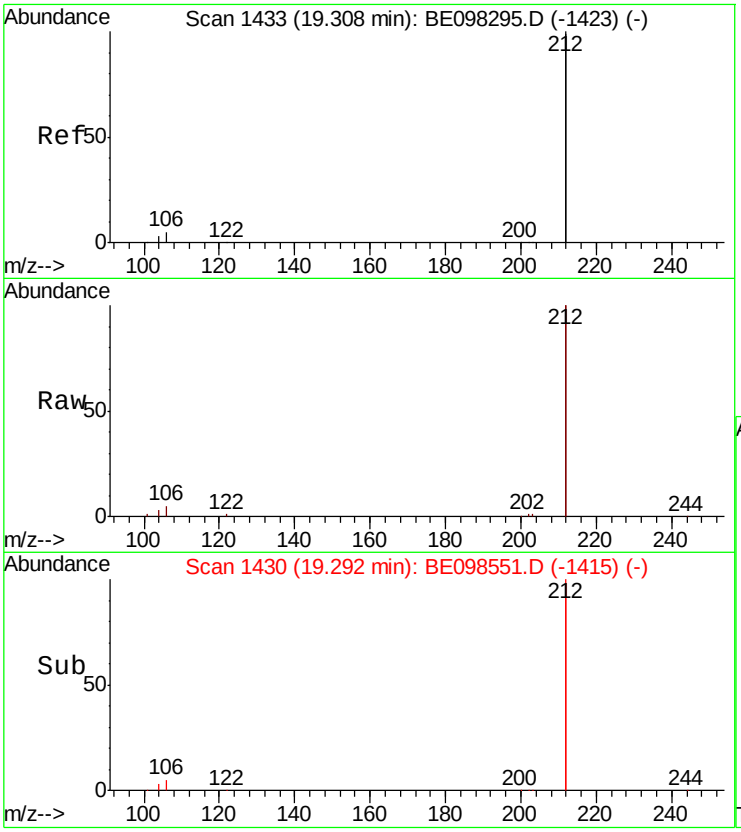




#24
Anthracene
Concen: 0.408 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:178 Resp: 5496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.0 | 22.4 |
| 179 | 15.6 | 12.3 | 18.5 |



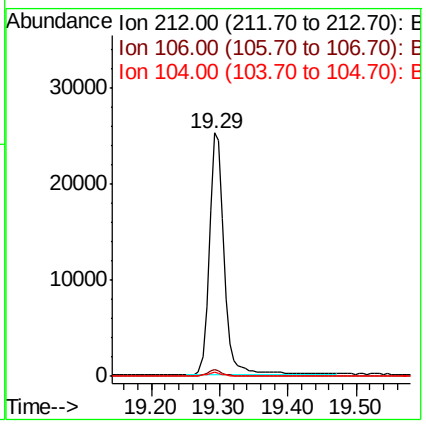


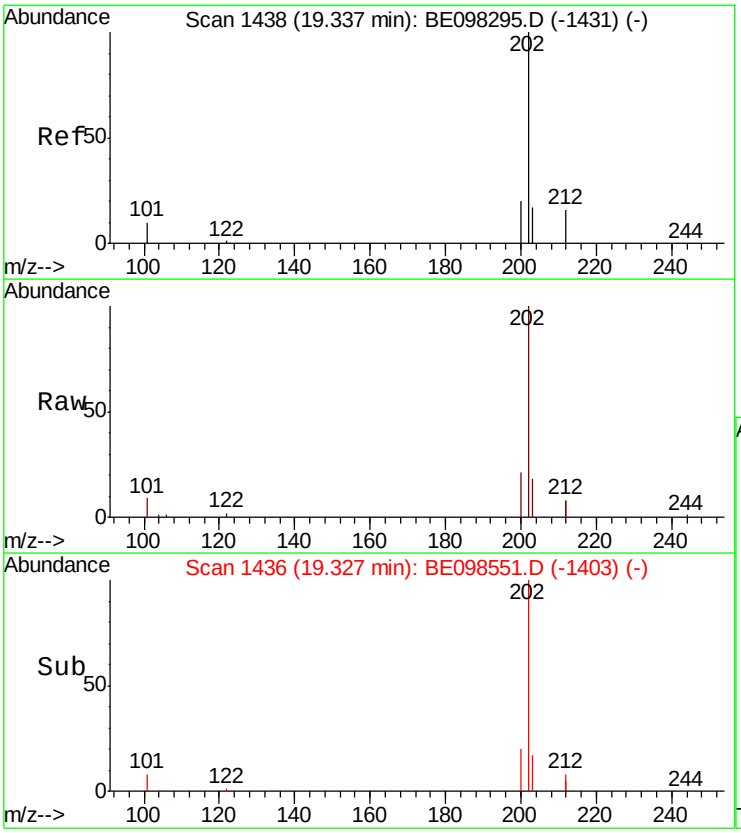

#25
Fluoranthene-d10
Concen: 0.477 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:212 Resp: 38030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 2.3 | 2.2 | 3.2 |
| 104 | 1.3 | 1.3 | 1.9 |

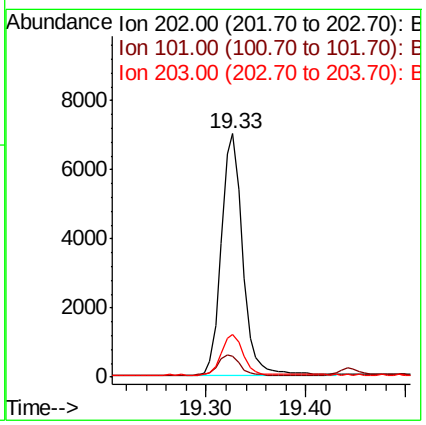


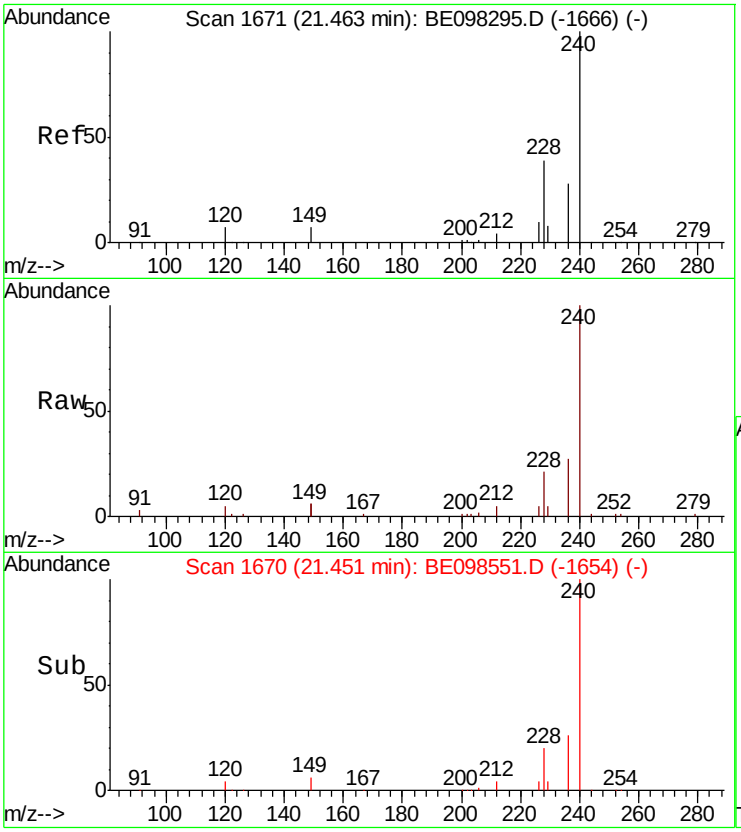




#26
Fluoranthene
Concen: 0.519 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:202 Resp: 10377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 8.0 | 12.0 |
| 203 | 17.3 | 13.8 | 20.6 |



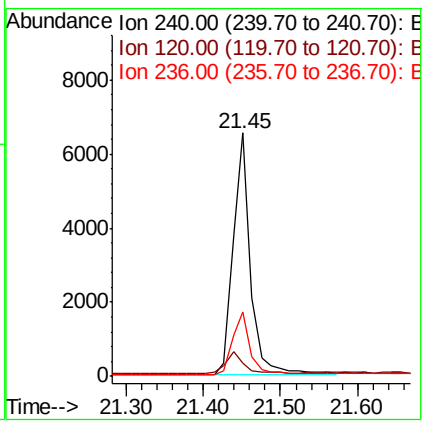


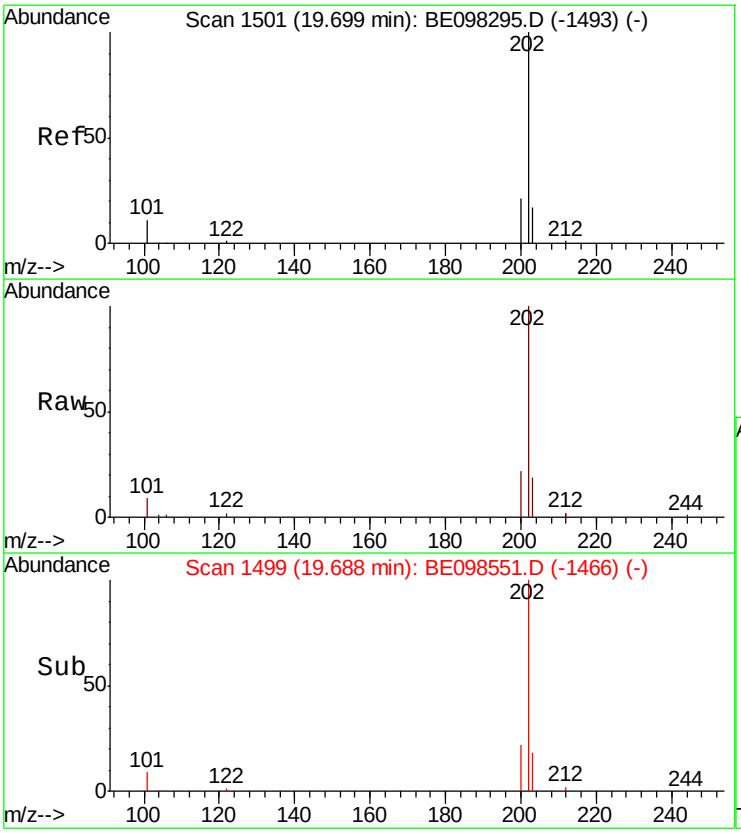

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:240 Resp: 10066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.3 | 9.5 | 14.3# |
| 236 | 26.6 | 22.7 | 34.1 |

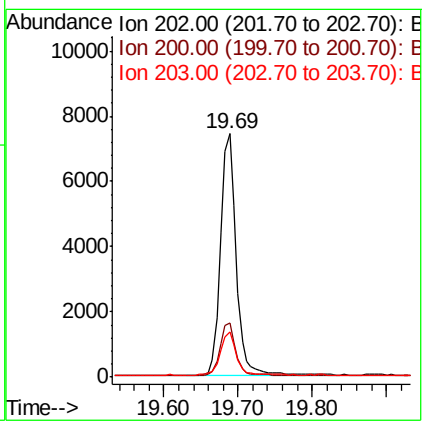


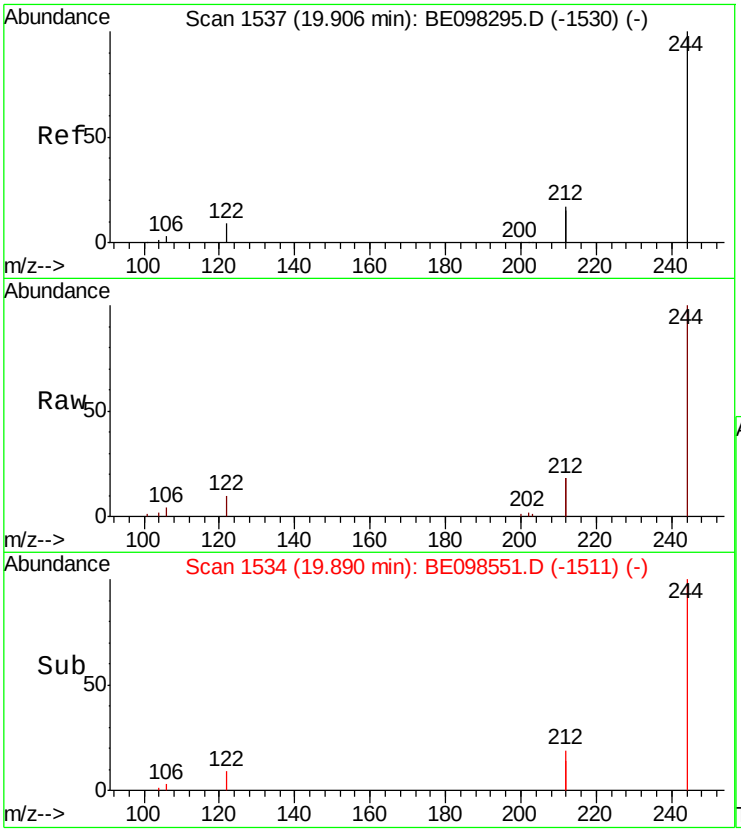




#28
Pyrene
Concen: 0.344 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:202 Resp: 10869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 16.7 | 25.1 |
| 203 | 18.1 | 14.1 | 21.1 |



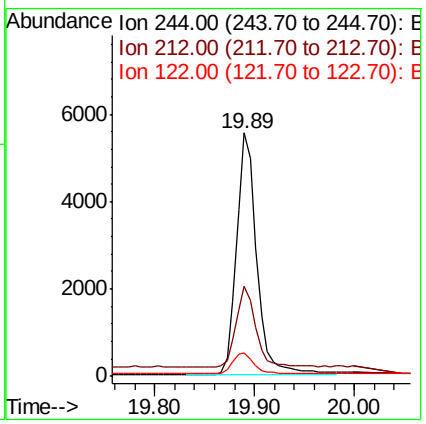


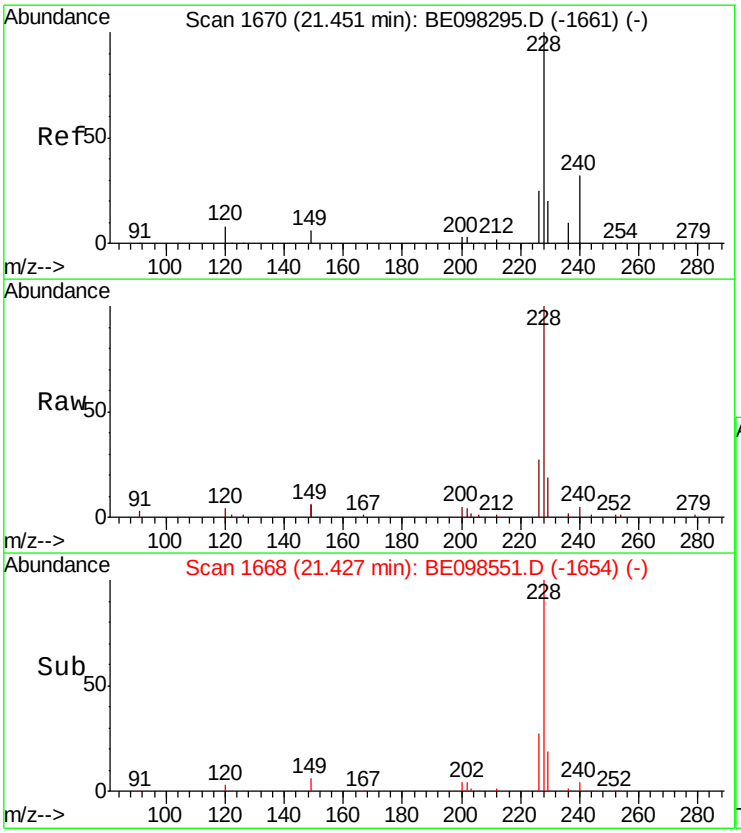

#29
Terphenyl-d14
Concen: 0.316 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:244 Resp: 7741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 36.8 | 27.4 | 41.0 |
| 122 | 9.8 | 8.3 | 12.5 |

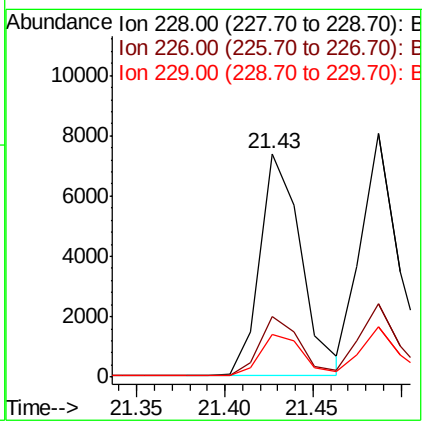


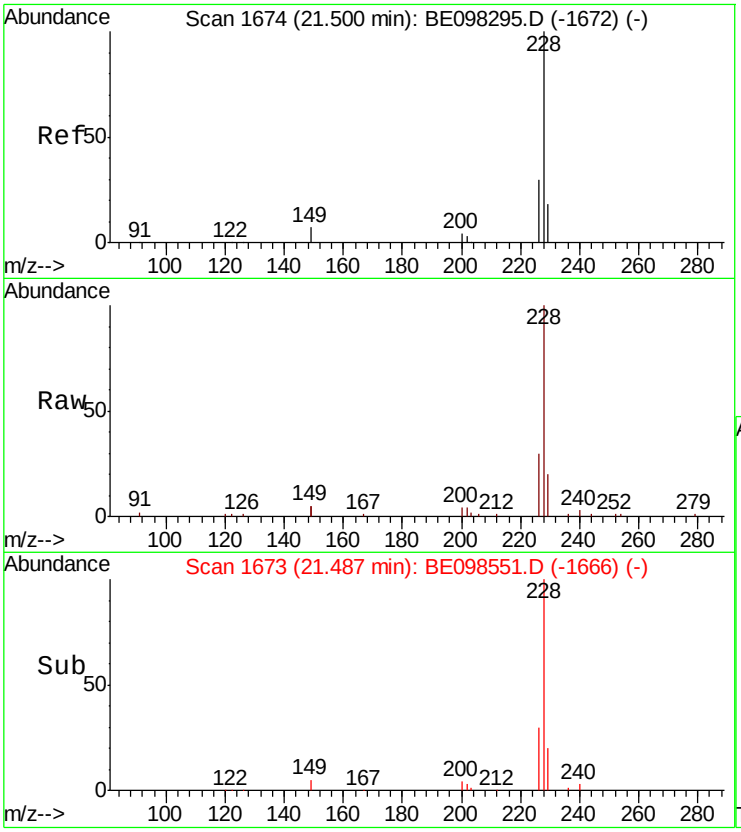




#30
Benzo(a)anthracene
Concen: 0.416 ng
RT: 21.43 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:228 Resp: 11925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.3 | 16.3 | 24.5 |



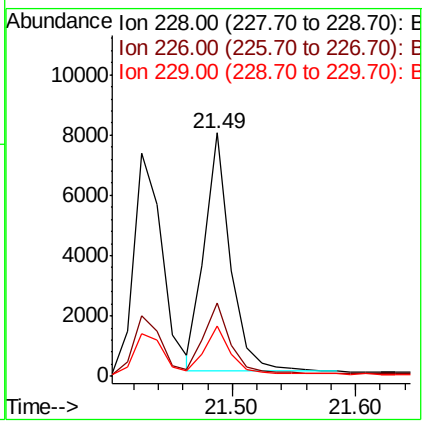


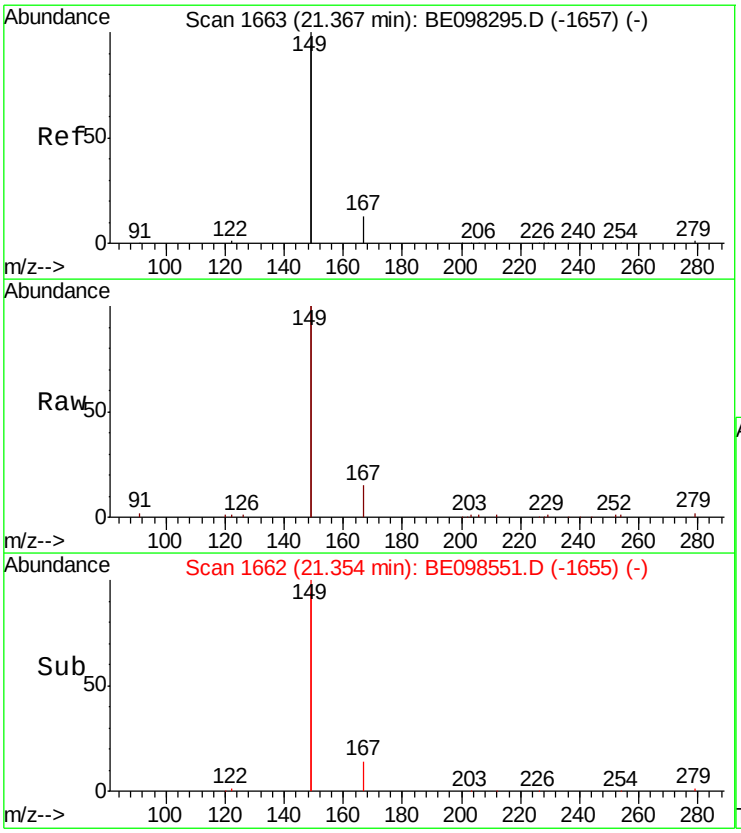

#31
Chrysene
Concen: 0.388 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:228 Resp: 11640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.4 | 35.0 |
| 229 | 20.5 | 16.2 | 24.4 |

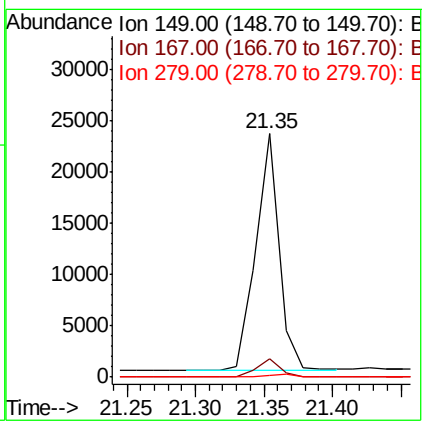


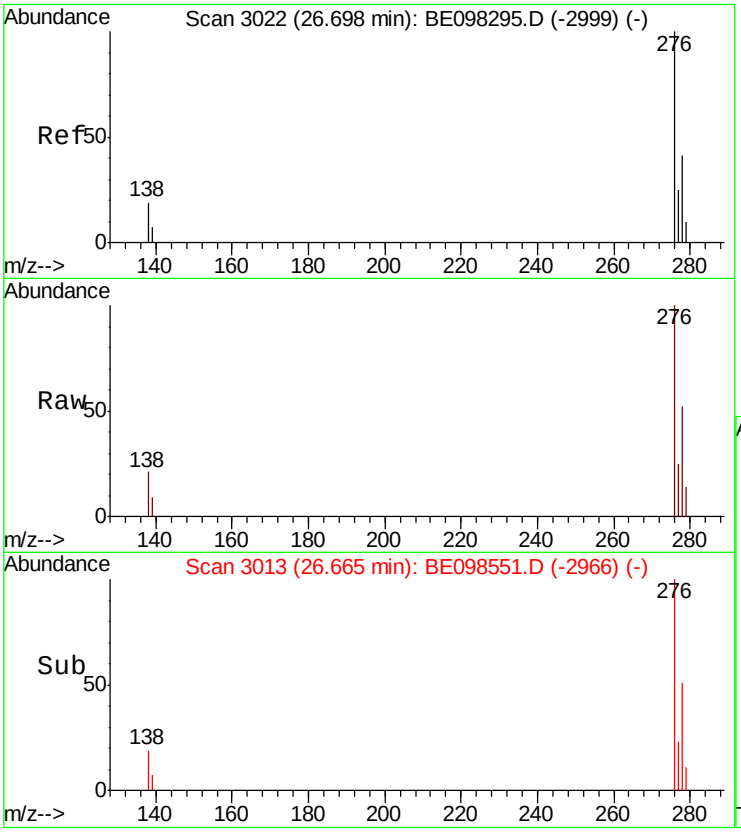




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.469 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:149 Resp: 27320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.8 | 5.7 | 8.5 |
| 279 | 1.1 | 1.0 | 1.4 |



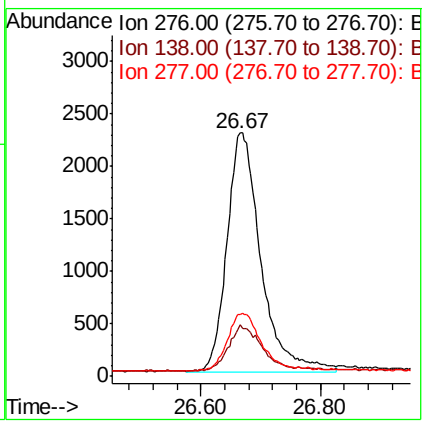


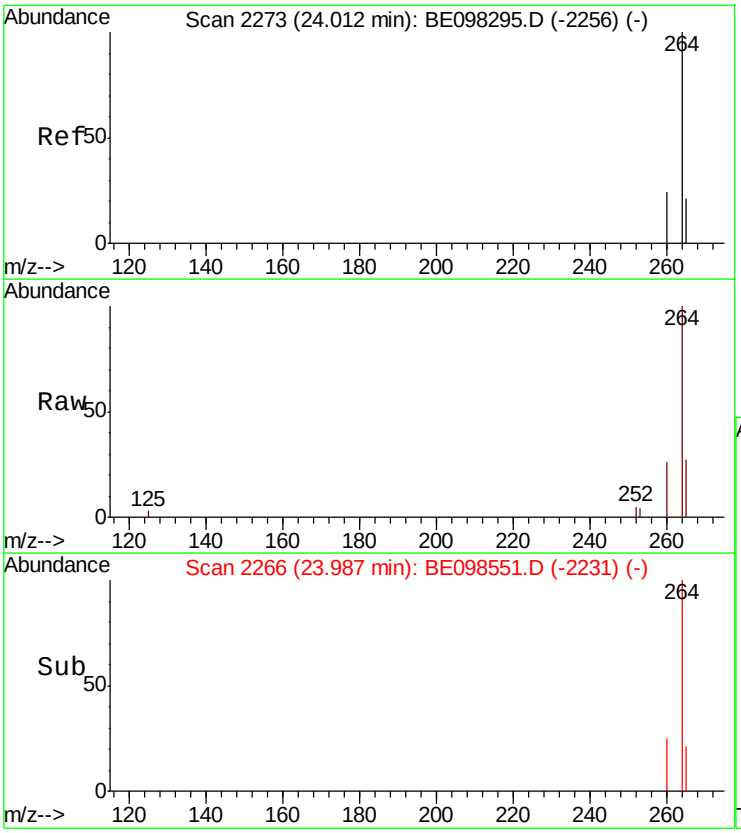

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.299 ng
RT: 26.67 min Scan# 3013
Delta R.T. -0.03 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:276 Resp: 8942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.3 | 16.3 | 24.5 |
| 277 | 24.0 | 20.2 | 30.4 |

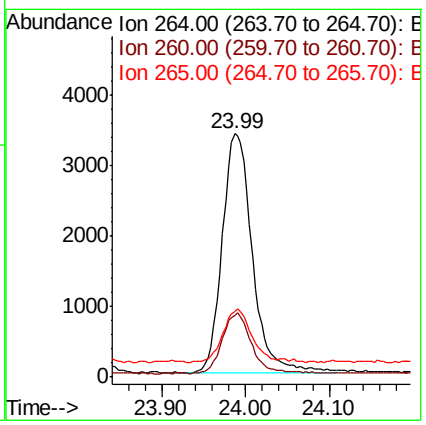


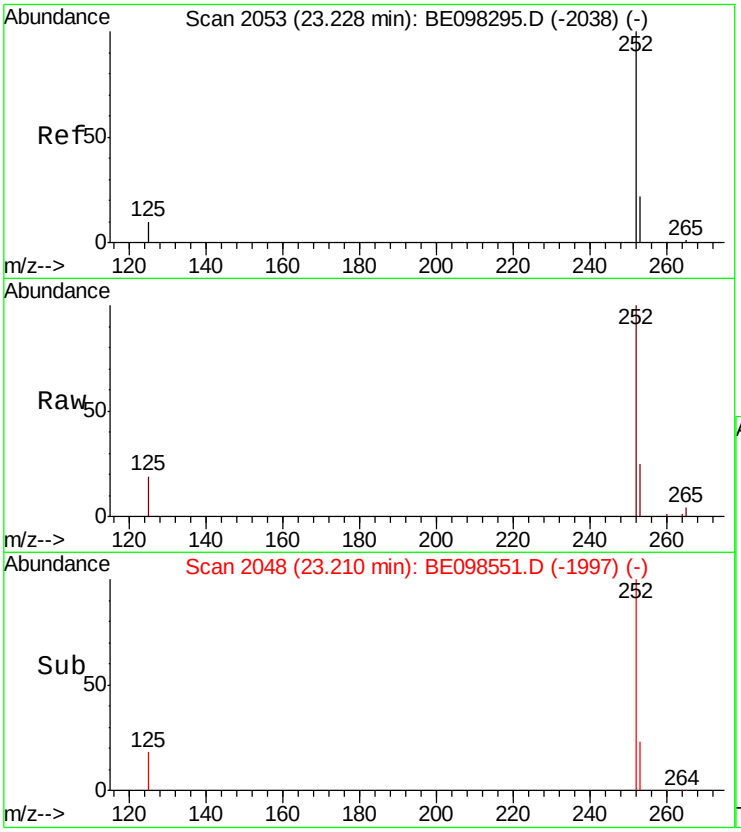




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:264 Resp: 8509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.6 | 20.2 | 30.2 |
| 265 | 26.9 | 25.2 | 37.8 |



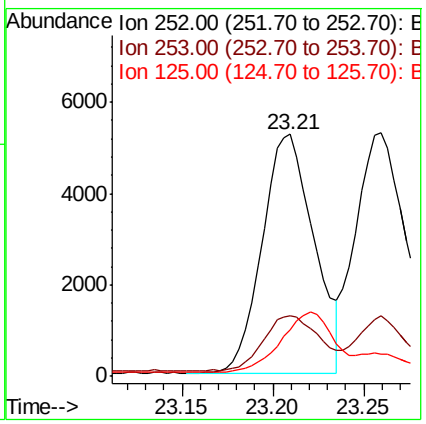


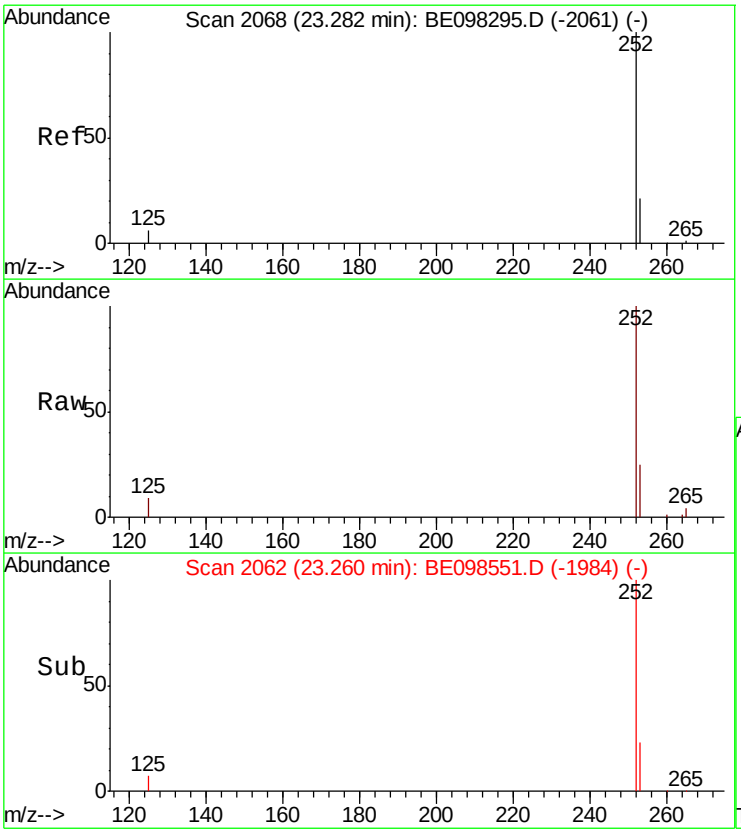

#35
Benzo(b)fluoranthene
Concen: 0.444 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:252 Resp: 10328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 20.0 | 30.0 |
| 125 | 19.3 | 9.6 | 14.4# |

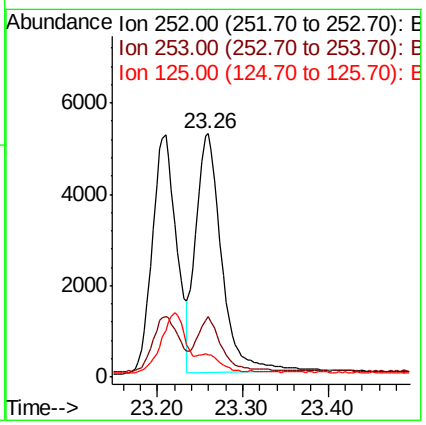


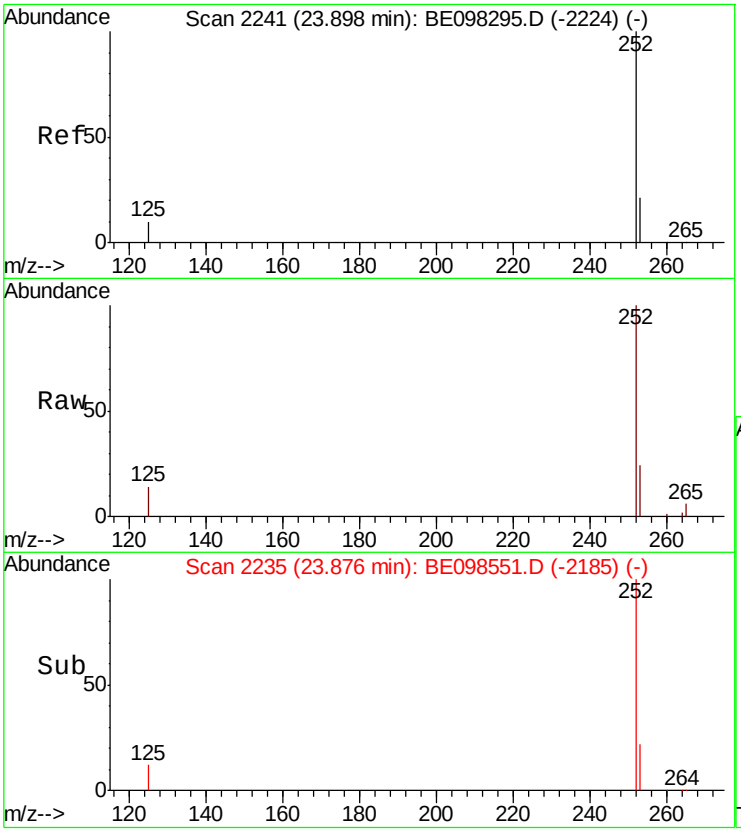




#36
Benzo(k)fluoranthene
Concen: 0.408 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:252 Resp: 11054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 19.0 | 28.6 |
| 125 | 9.2 | 9.1 | 13.7 |



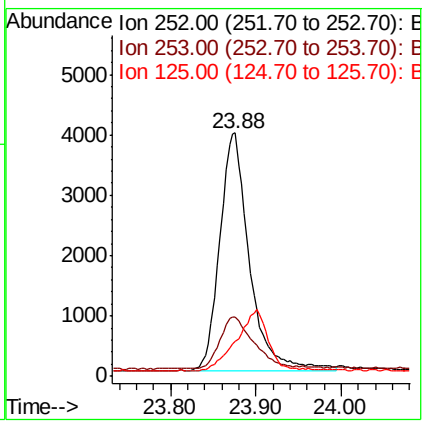


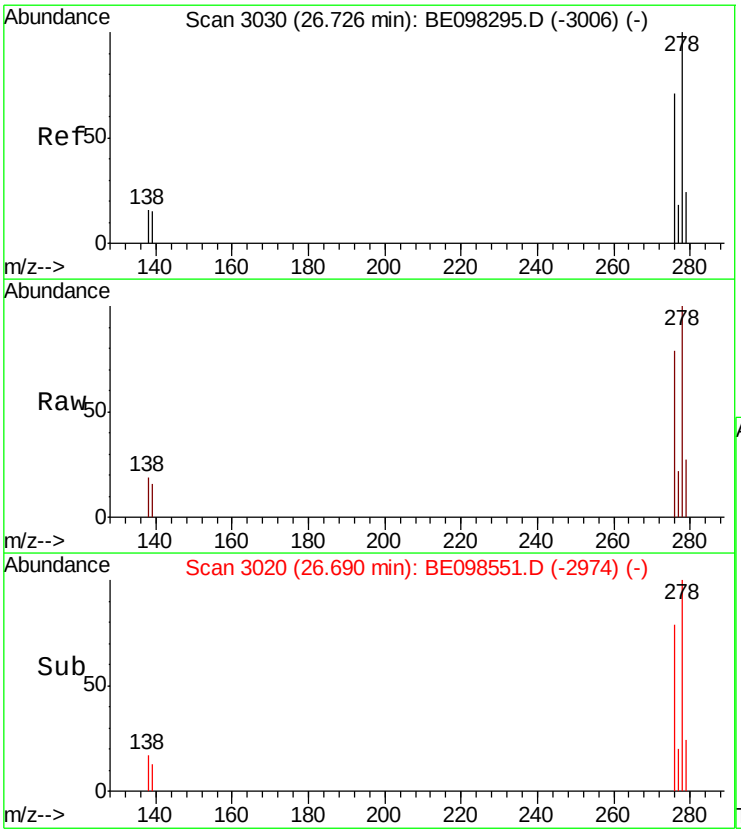

#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.88 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:252 Resp: 9556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 20.6 | 30.8 |
| 125 | 14.2 | 10.5 | 15.7 |

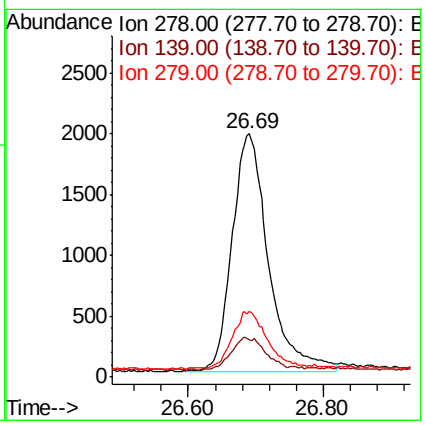


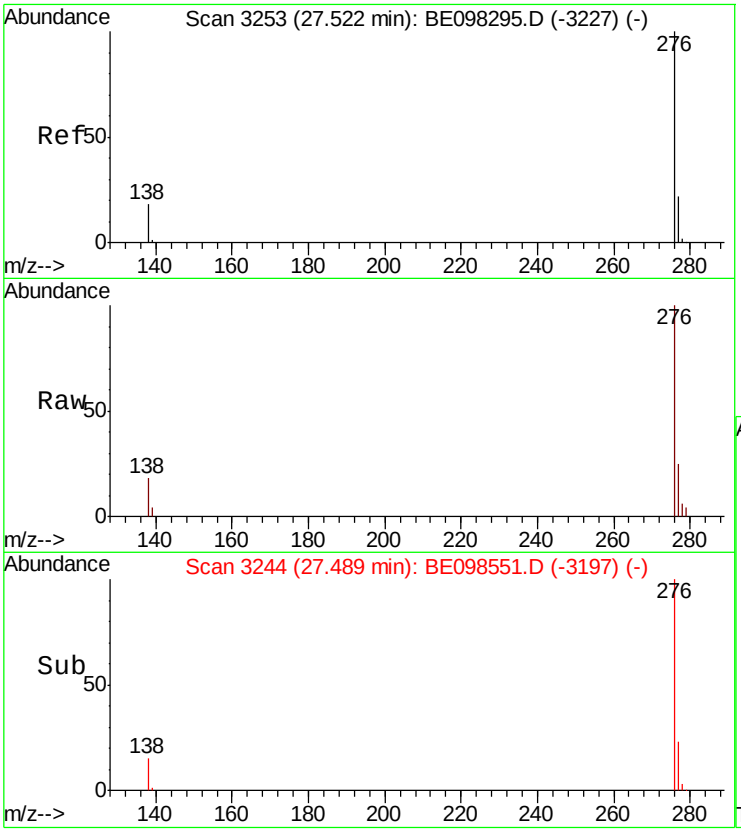




#38
Dibenzo(a,h)anthracene
Concen: 0.323 ng
RT: 26.69 min Scan# 3020
Delta R.T. -0.04 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

Tgt Ion:278 Resp: 7304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.7 | 14.5 | 21.7 |
| 279 | 27.1 | 21.8 | 32.8 |






#39
Benzo(g,h,i)perylene
Concen: 0.327 ng
RT: 27.49 min Scan# 3244
Delta R.T. -0.03 min
Lab File: BE098551.D
Acq: 21 Dec 2018 12:53

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:276 Resp: 7462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.8 | 20.8 | 31.2 |
| 138 | 17.7 | 15.8 | 23.6 |