Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
Data File : BE093924.D
Acq On : 2 Sep 2017 7:46
Operator : SJ/JU
Sample : I4963-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** 3831-PA3

Quant Time: Sep 04 01:04:11 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 01 16:31:36 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 2321 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.71 | 136 | 11749 | 0.40 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.53 | 164 | 7140 | 0.40 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.24 | 188 | 13182 | 0.40 | ng | 0.00 |
| 27) Chrysene-d12 | 21.42 | 240 | 17240 | 0.40 | ng | 0.00 |
| 34) Perylene-d12 | 23.93 | 264 | 14966 | 0.40 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.53 | 112 | 1220 | 0.17 | ng | 0.00 |
| 5) Phenol-d6 | 7.11 | 99 | 1277 | 0.12 | ng | 0.02 |
| 8) Nitrobenzene-d5 | 9.08 | 82 | 3382 | 0.35 | ng | 0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152 | 6038 | 0.32 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.03 | 330 | 751 | 0.39 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 13.15 | 172 | 10508 | 0.37 | ng | -0.01 |
| 25) Fluoranthene-d10 | 19.28 | 212 | 62437 | 0.41 | ng | 0.00 |
| 29) Terphenyl-d14 | 19.87 | 244 | 14868 | 0.48 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.71 | 42 | 293 | 0.083 | ng | # 1 |
| 6) bis(2-Chloroethyl)ether | 7.26 | 93 | 717 | 0.085 | ng | # 1 |
| 20) 4-Bromophenyl-phenylether | 16.58 | 248 | 158 | Below Cal | | # 1 |
| 22) Pentachlorophenol | 16.91 | 266 | 223 | 0.108 | ng | # 77 |
| 23) Phenanthrene | 17.30 | 178 | 1203 | 0.036 | ng | # 63 |
| 24) Anthracene | 17.30 | 178 | 919 | 0.023 | ng | # 56 |
| 26) Fluoranthene | 19.30 | 202 | 969 | 0.021 | ng | # 50 |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 139249 | 1.290 | ng | 100 |

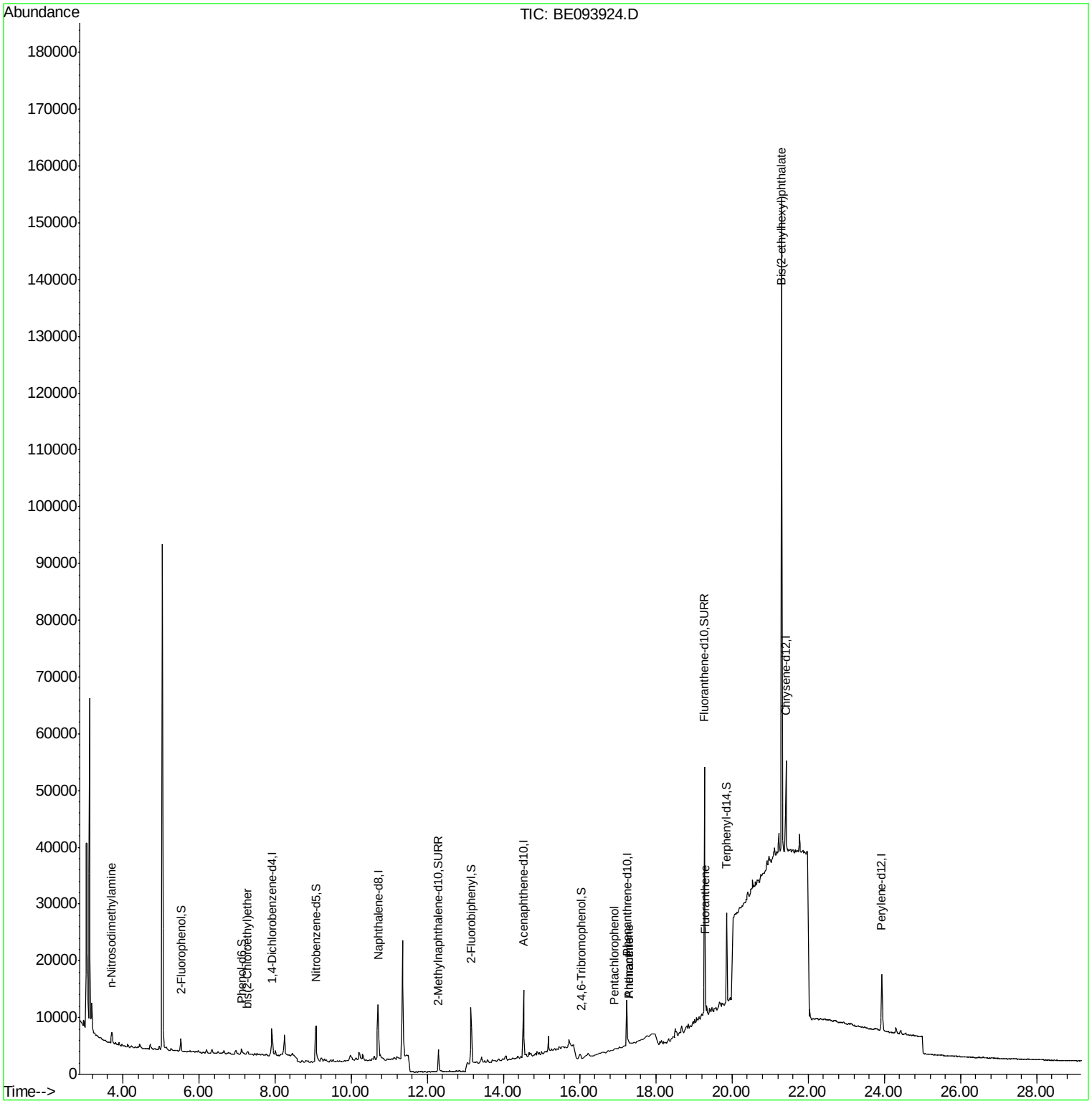
(#) = qualifier out of range (m) = manual integration (+) = signals summed

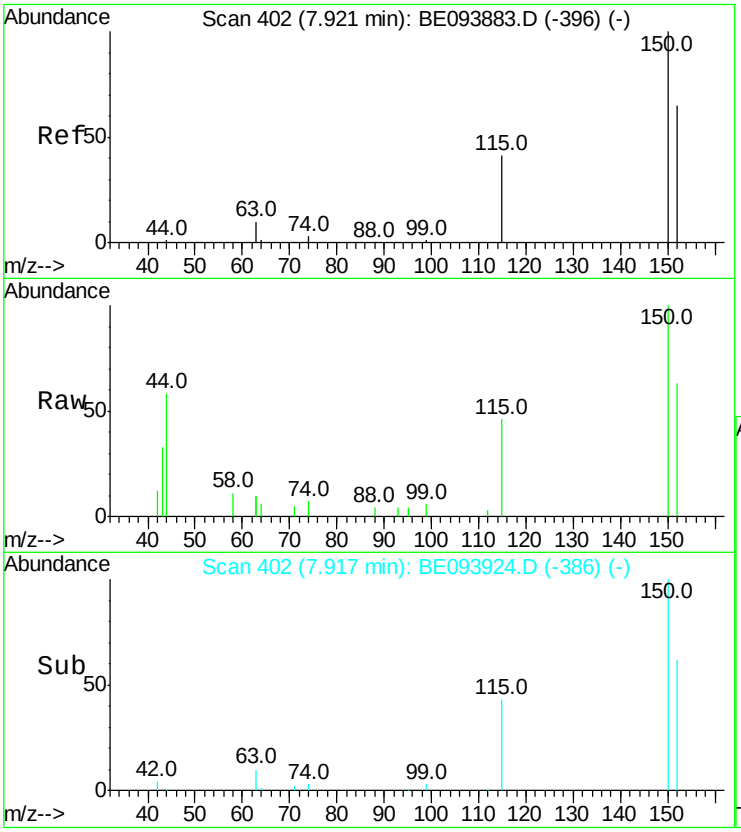
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
Data File : BE093924.D
Acq On : 2 Sep 2017 7:46
Operator : SJ/JU
Sample : I4963-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Quant Time: Sep 04 01:04:11 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 01 16:31:36 2017
Response via : Initial Calibration



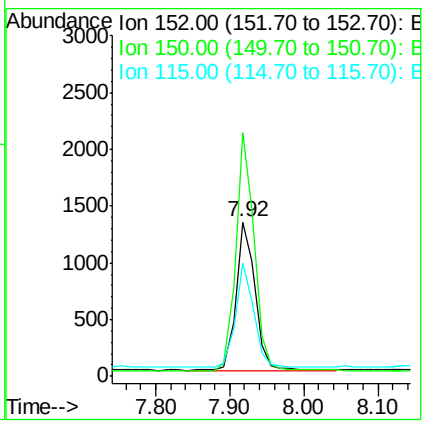


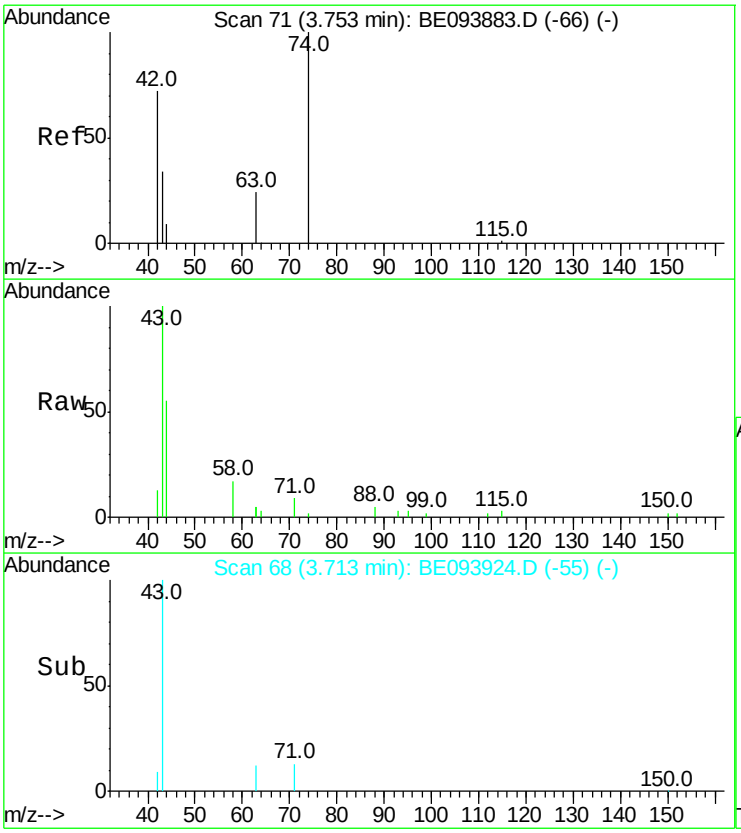

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:152 Resp: 2321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.6 | 121.8 | 182.6 |
| 115 | 73.2 | 52.6 | 79.0 |

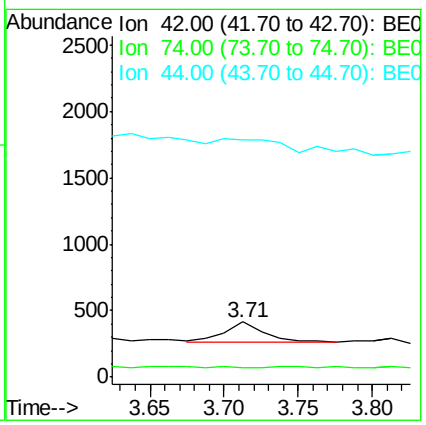


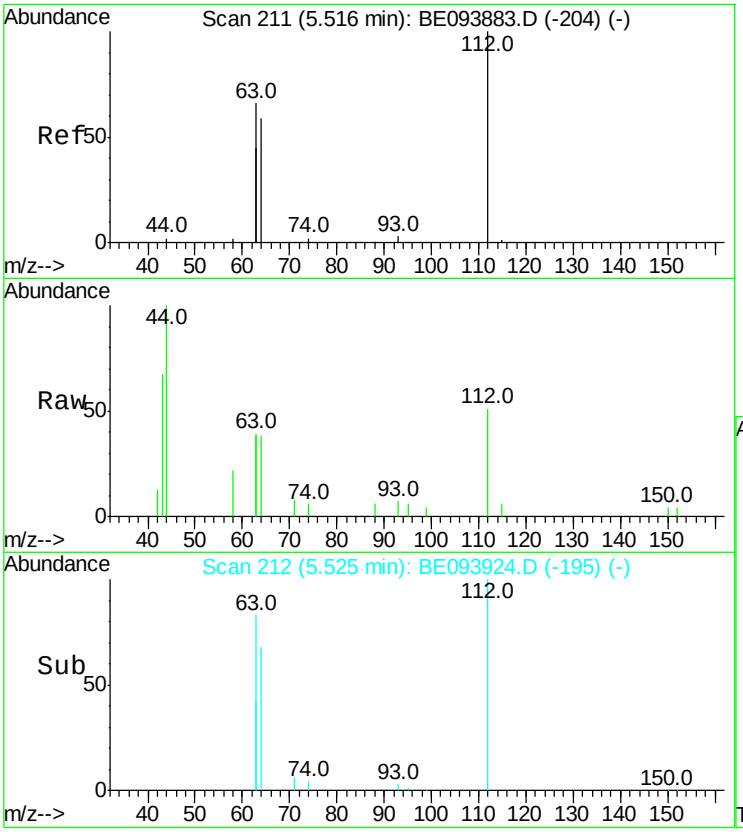




#3
n-Nitrosodimethylamine
Concen: 0.083 ng
RT: 3.71 min Scan# 68
Delta R.T. -0.04 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion: 42 Resp: 293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 104.0 | 156.0# |
| 44 | 0.0 | 13.8 | 20.8# |



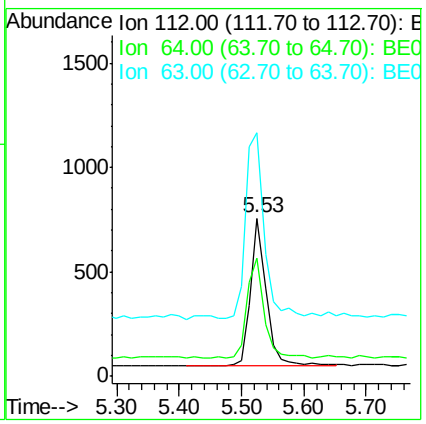


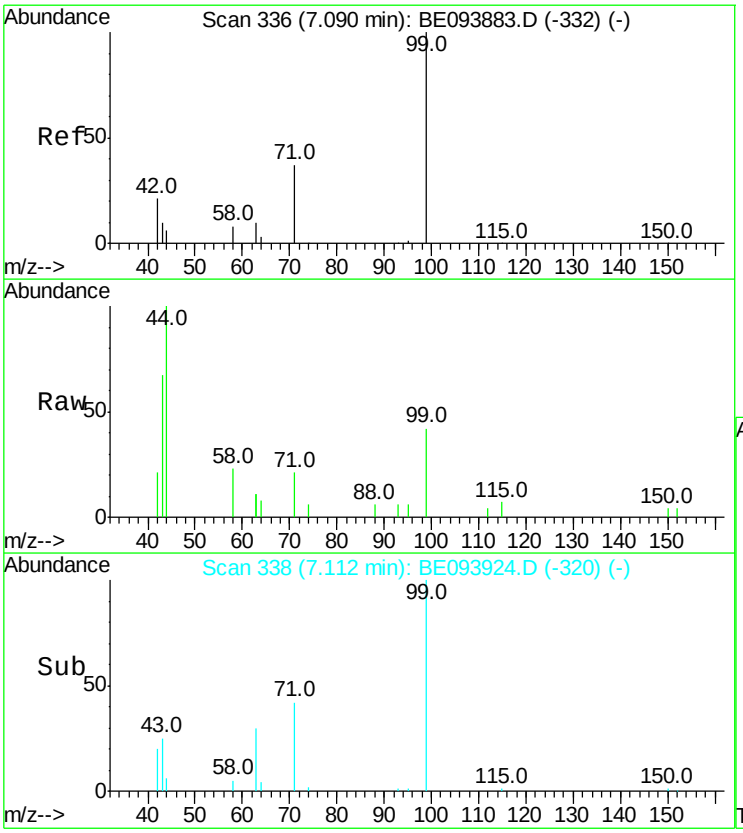

#4
2-Fluorophenol
Concen: 0.171 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.01 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:112 Resp: 1220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.2 | 57.7 | 86.5 |
| 63 | 146.6 | 116.0 | 174.0 |

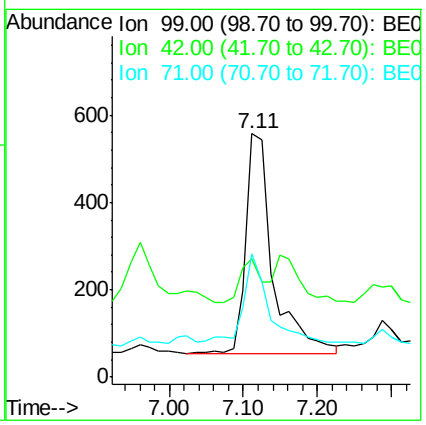


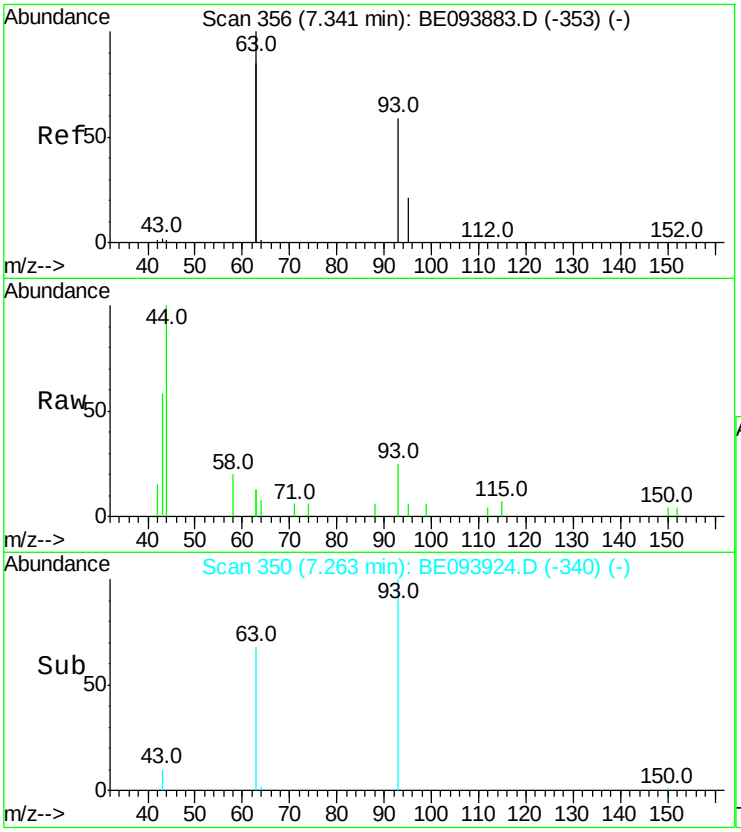




#5
Phenol-d6
Concen: 0.117 ng
RT: 7.11 min Scan# 338
Delta R.T. 0.02 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion: 99 Resp: 1277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.1 | 17.1 | 25.7 |
| 71 | 37.6 | 26.6 | 39.8 |



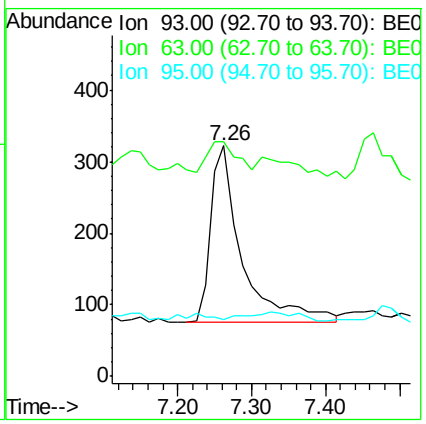


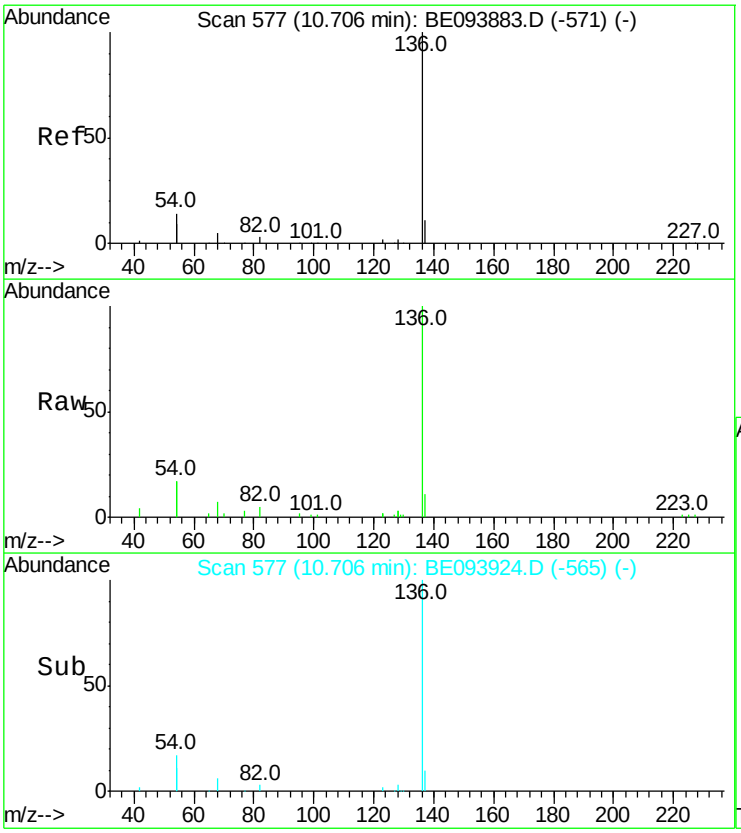

#6
bis(2-Chloroethyl)ether
Concen: 0.085 ng
RT: 7.26 min Scan# 350
Delta R.T. -0.08 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion: 93 Resp: 717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 16.5 | 283.4 | 425.2# |
| 95 | 0.0 | 26.9 | 40.3# |

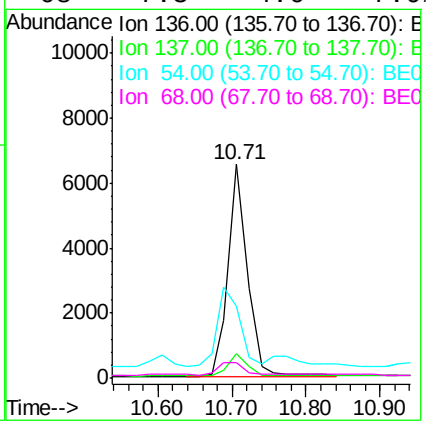


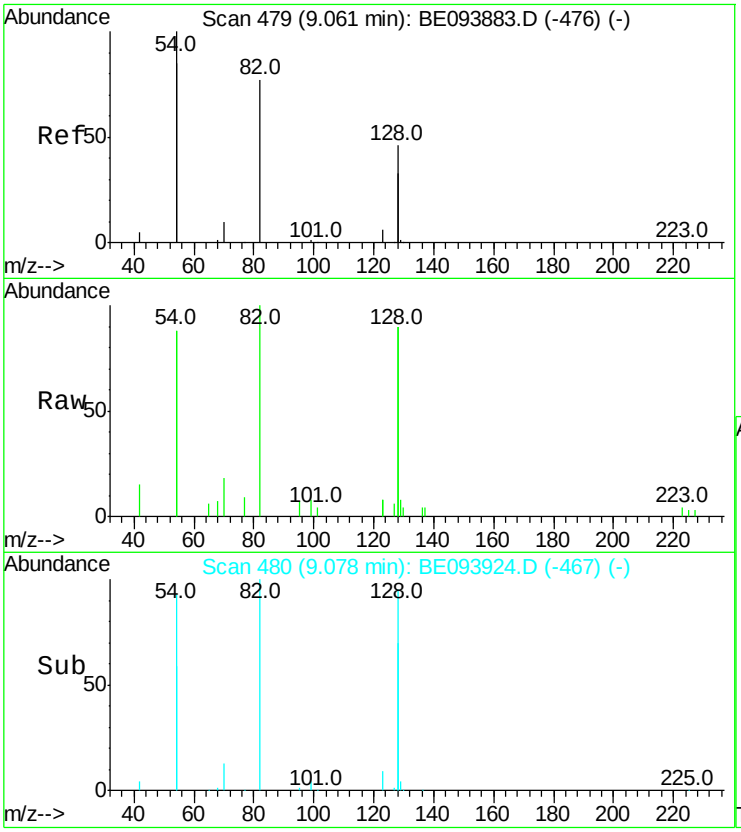




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:136 Resp: 11749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.2 | 13.8 |
| 54 | 33.4 | 21.9 | 32.9# |
| 68 | 7.3 | 4.6 | 7.0# |



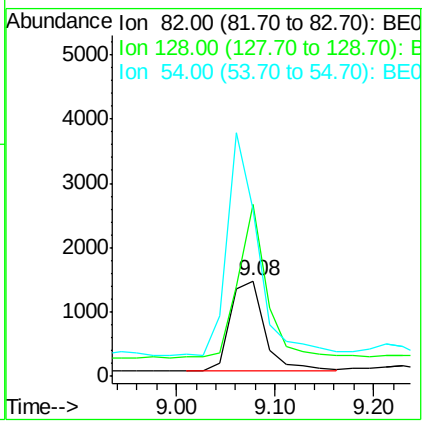


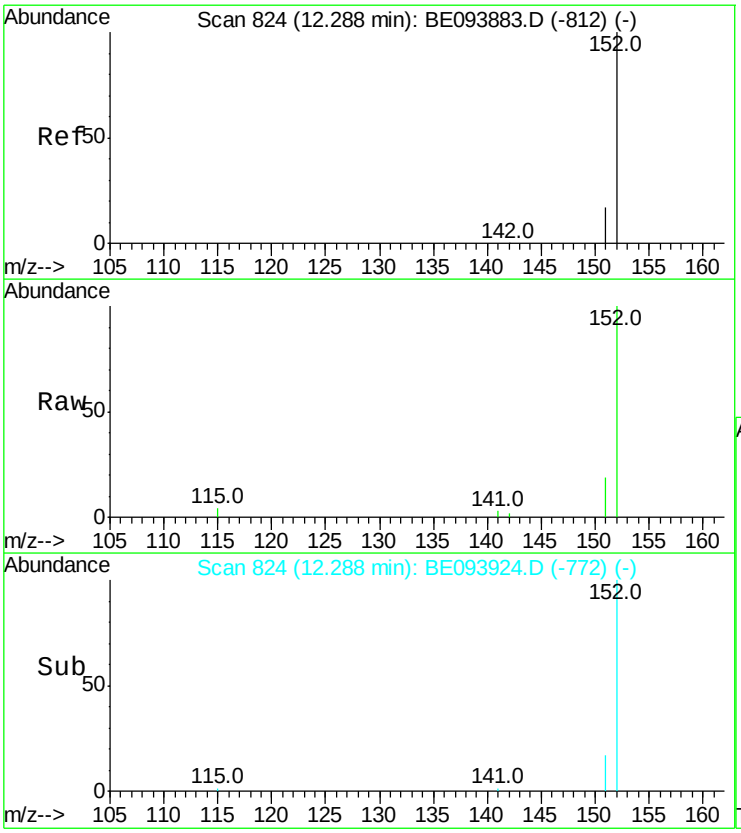

#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.02 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion: 82 Resp: 3382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 179.6 | 91.4 | 137.0# |
| 54 | 175.2 | 197.8 | 296.8# |

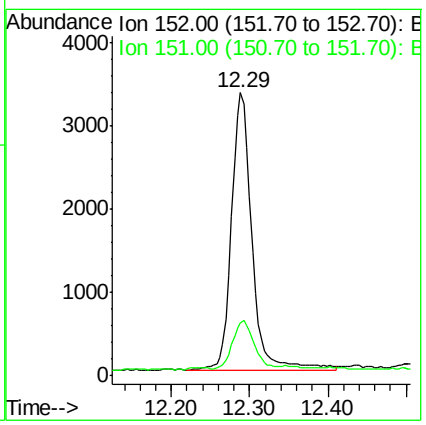


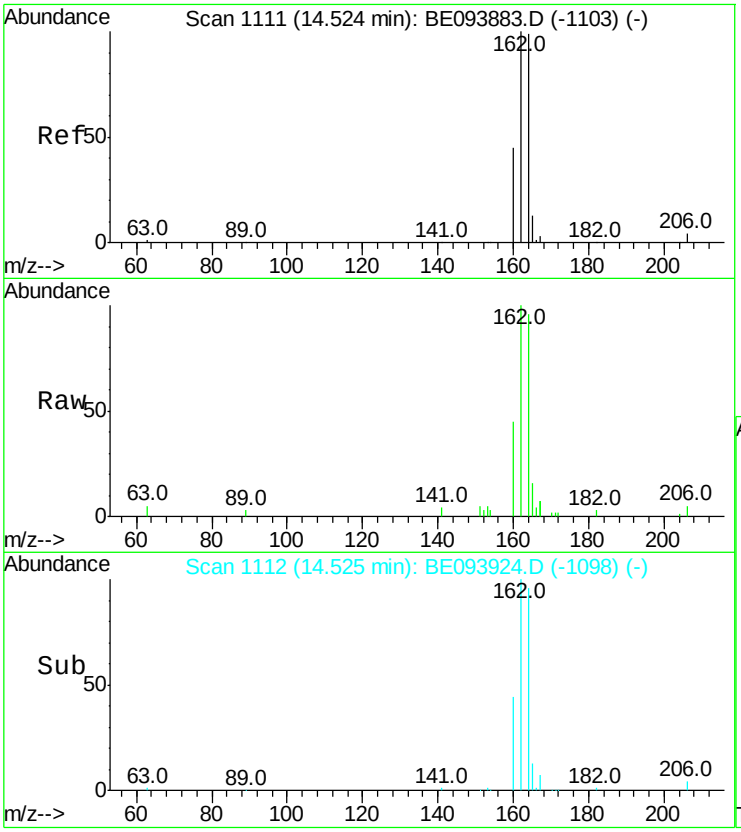




#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.29 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:152 Resp: 6038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 17.9 | 15.4 | 23.0 |



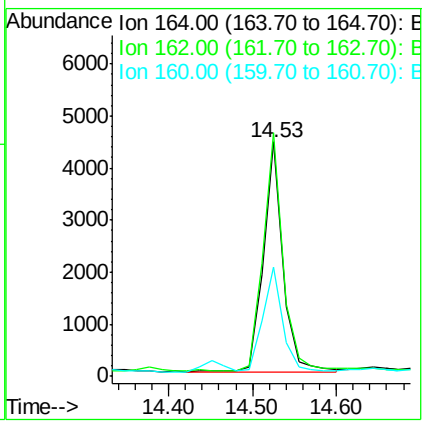


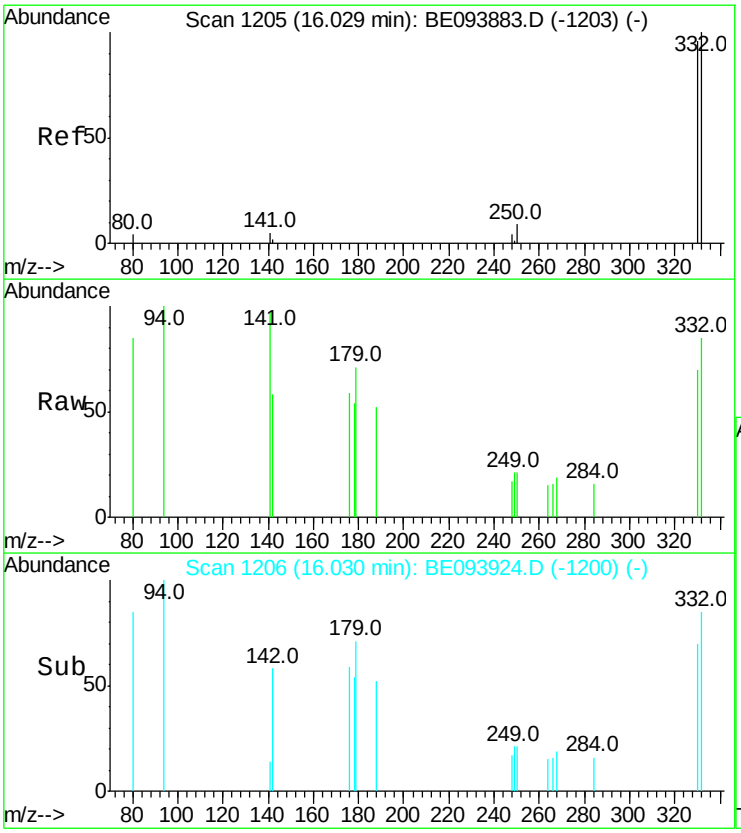

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:164 Resp: 7140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 80.8 | 121.2 |
| 160 | 46.5 | 37.0 | 55.4 |

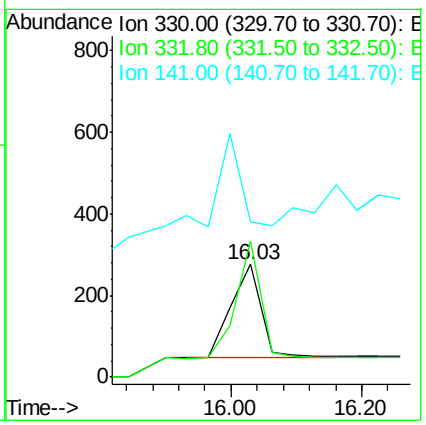


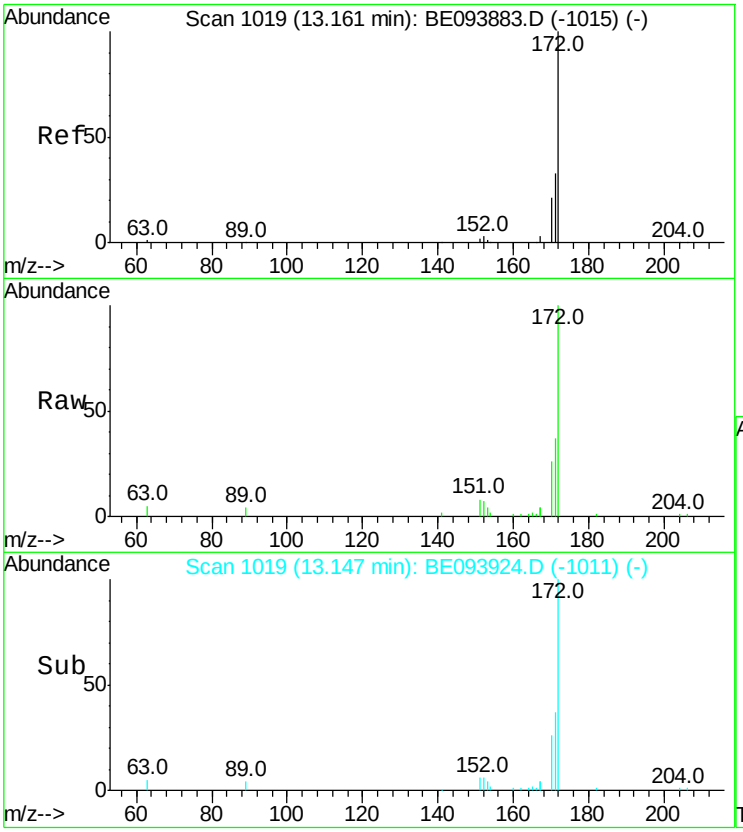




#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:330 Resp: 751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 102.4 | 76.9 | 115.3 |
| 141 | 0.0 | 0.0 | 0.0 |



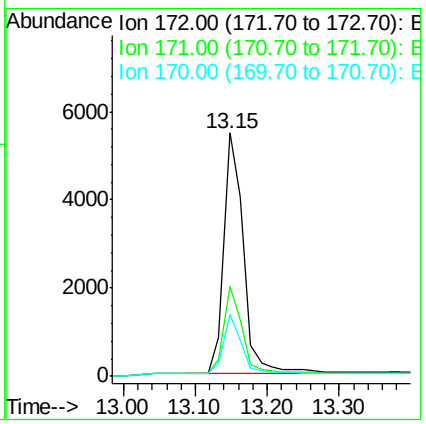


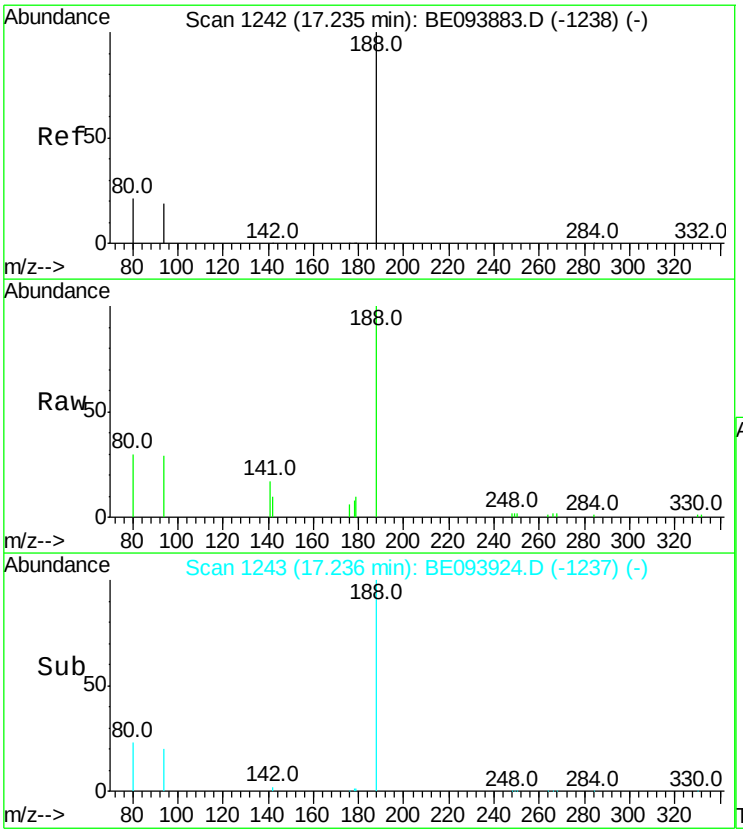

#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:172 Resp: 10508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 26.9 | 40.3 |
| 170 | 25.5 | 17.3 | 25.9 |

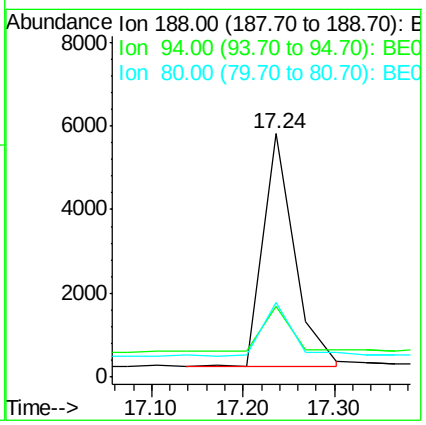


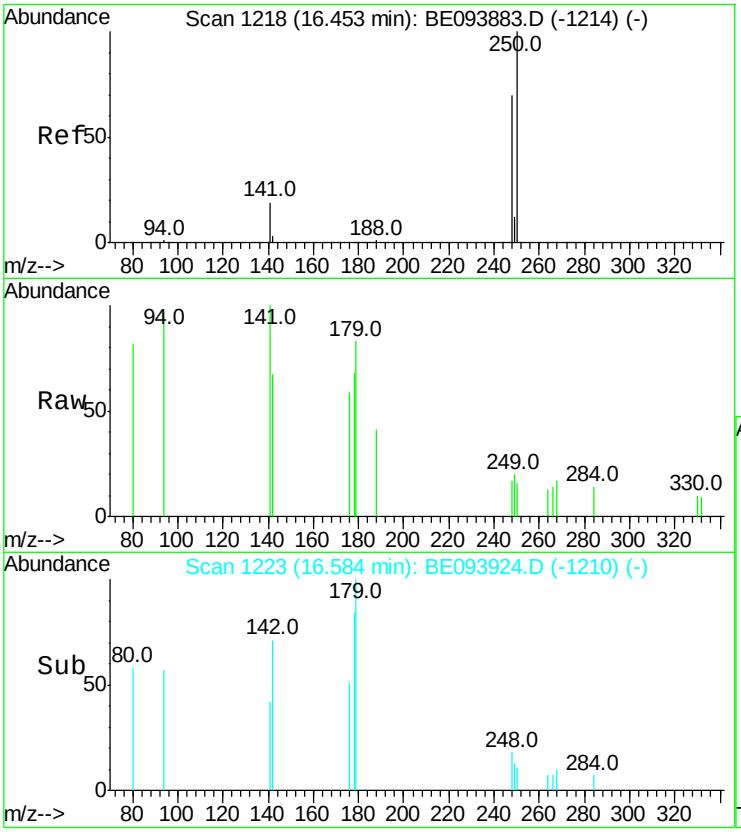




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:188 Resp: 13182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 29.1 | 16.1 | 24.1# |
| 80 | 30.5 | 18.2 | 27.2# |



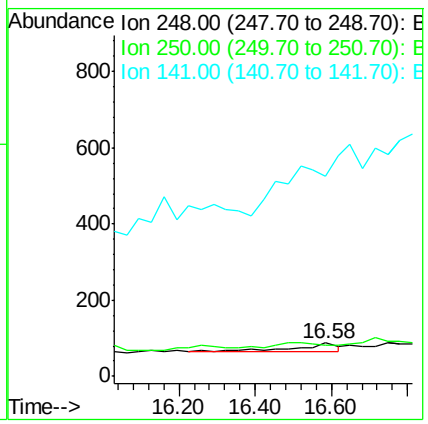


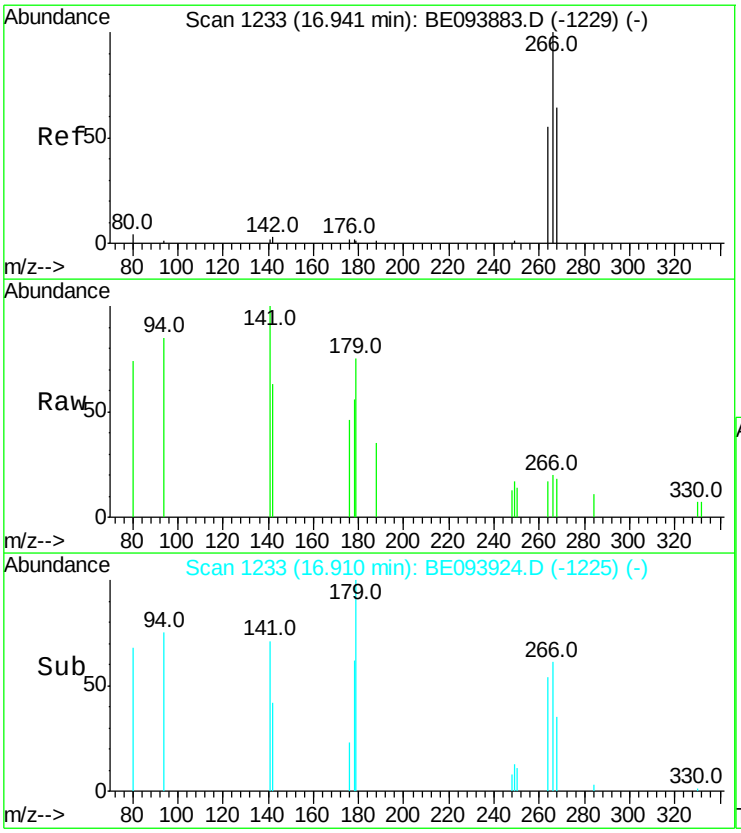

#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.58 min Scan# 1223
Delta R.T. 0.13 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:248 Resp: 158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.4 | 111.8 | 167.8# |
| 141 | 603.4 | 27.1 | 40.7# |

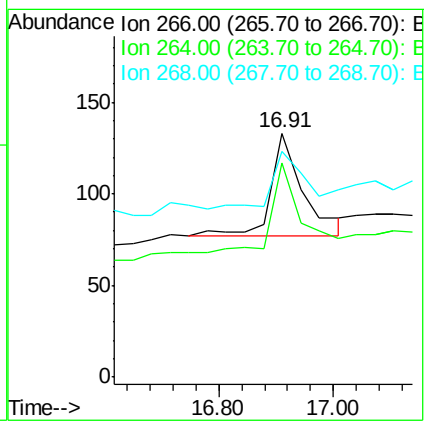


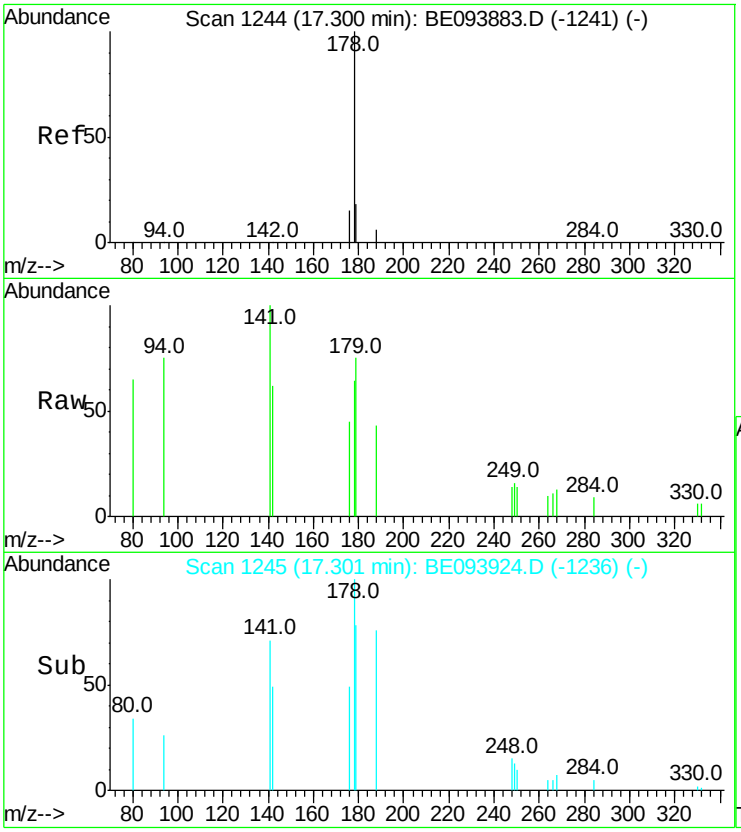




#22
Pentachlorophenol
Concen: 0.108 ng
RT: 16.91 min Scan# 1233
Delta R.T. -0.03 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:266 Resp: 223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 88.0 | 53.5 | 80.3# |
| 268 | 92.5 | 60.0 | 90.0# |



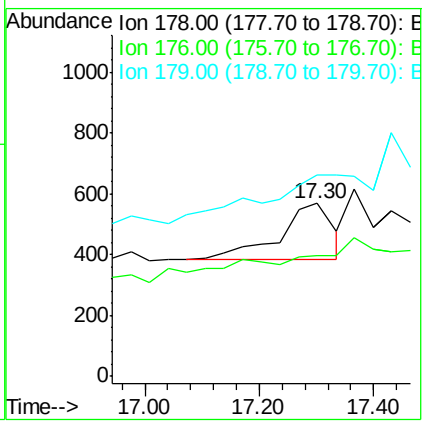


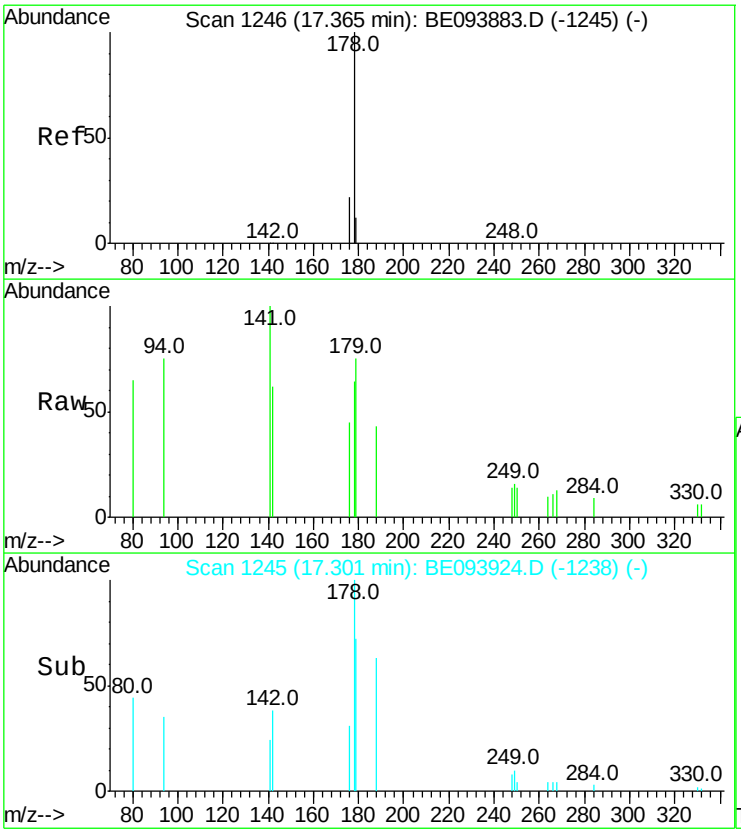

#23
Phenanthrene
Concen: 0.036 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:178 Resp: 1203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 0.0 | 0.0 |
| 179 | 0.0 | 12.6 | 18.8# |

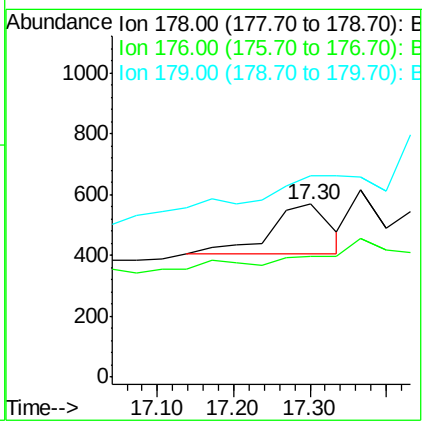


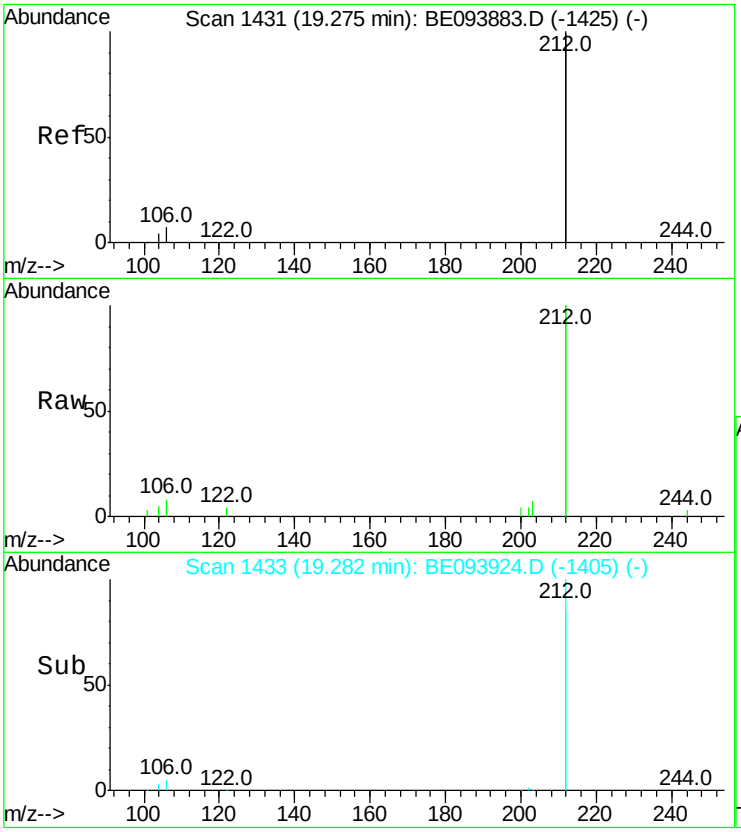




#24
Anthracene
Concen: 0.023 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:178 Resp: 919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 16.0 | 24.0# |
| 179 | 0.0 | 0.0 | 0.0 |



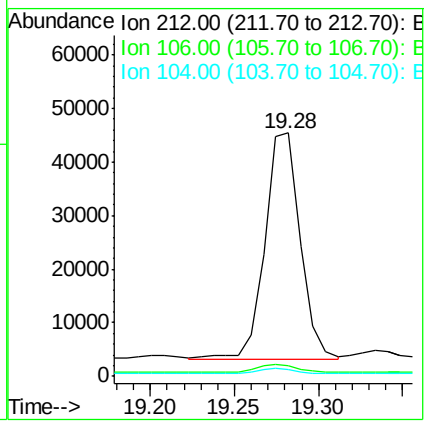


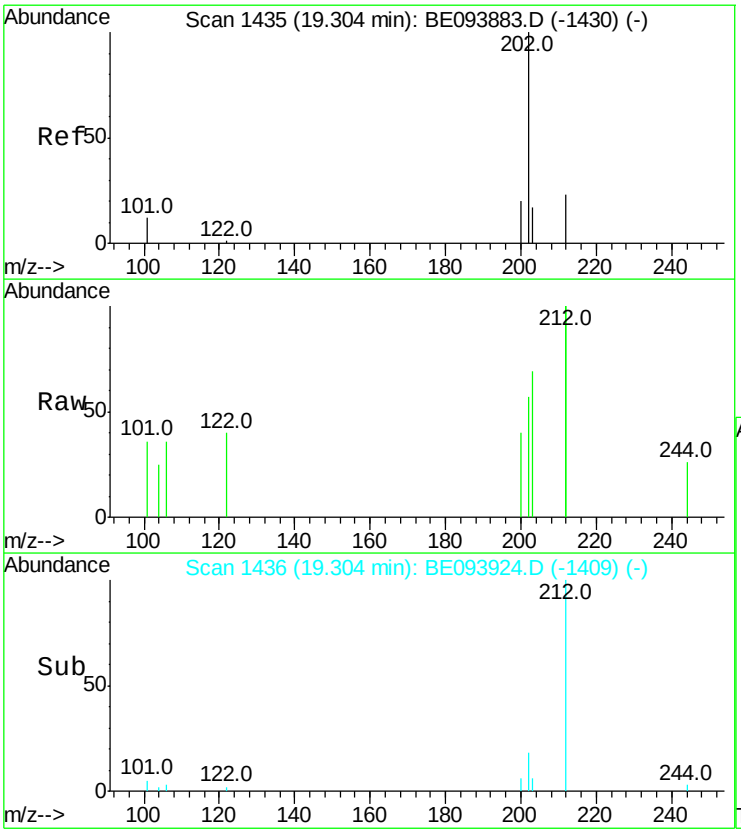

#25
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.28 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:212 Resp: 62437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.5 | 2.7 | 4.1 |
| 104 | 2.3 | 1.6 | 2.4 |

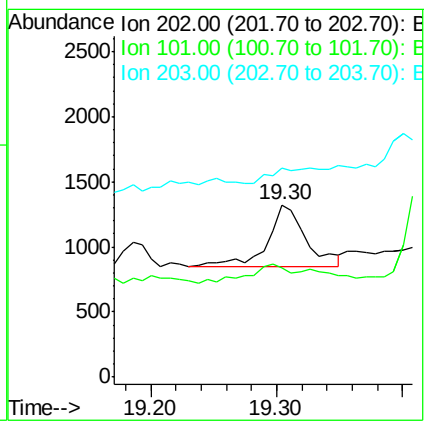


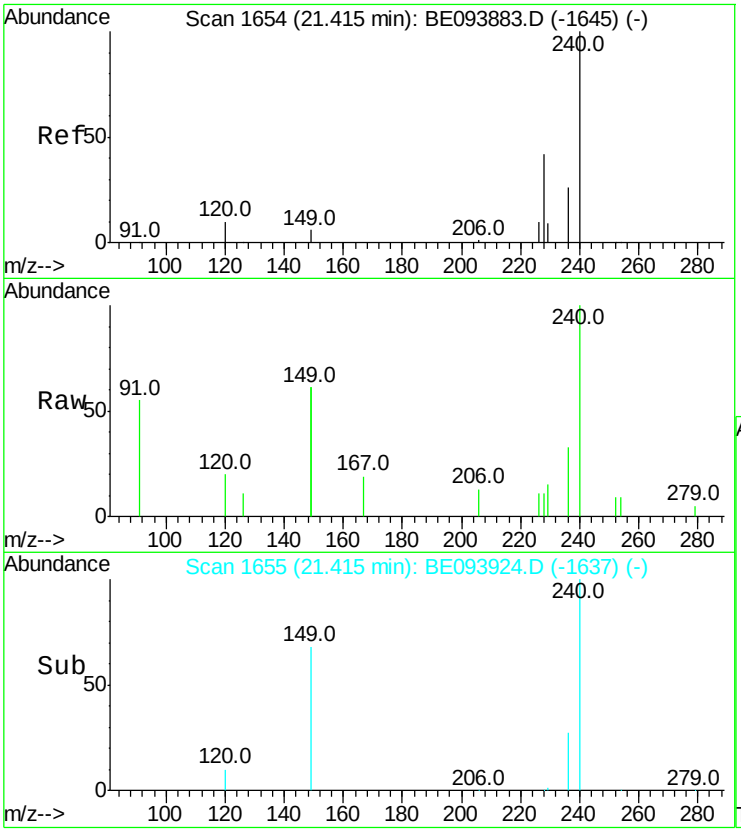




#26
Fluoranthene
Concen: 0.021 ng
RT: 19.30 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:202 Resp: 969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 37.9 | 9.7 | 14.5# |
| 203 | 0.0 | 13.7 | 20.5# |



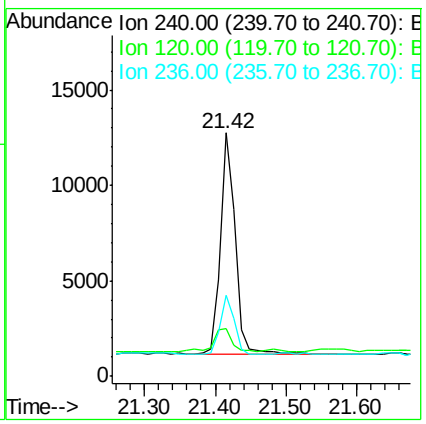


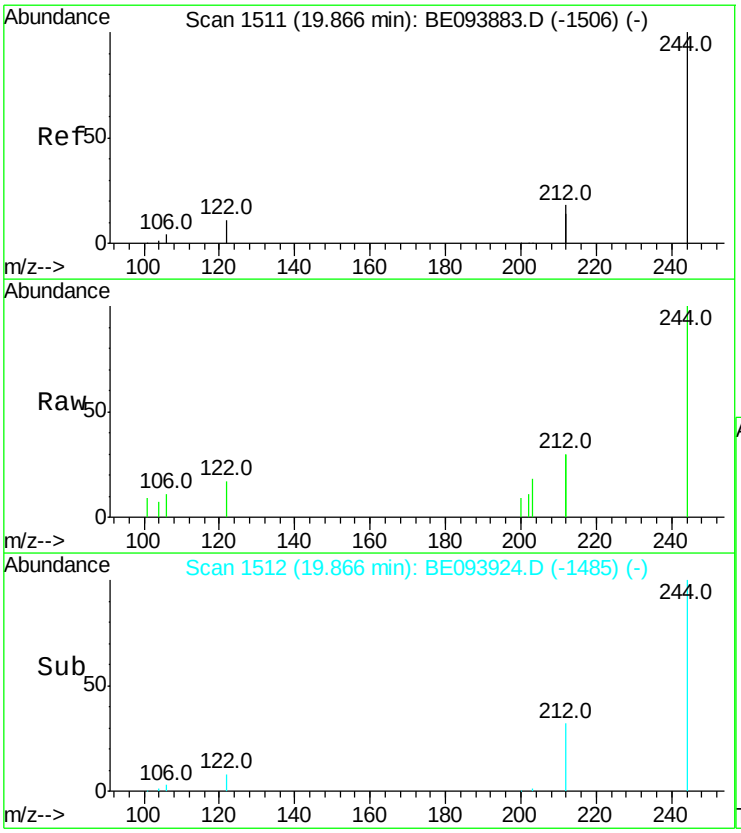

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:240 Resp: 17240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 19.8 | 8.7 | 13.1# |
| 236 | 33.0 | 21.3 | 31.9# |

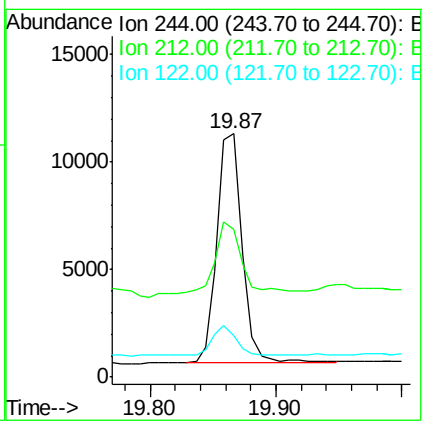


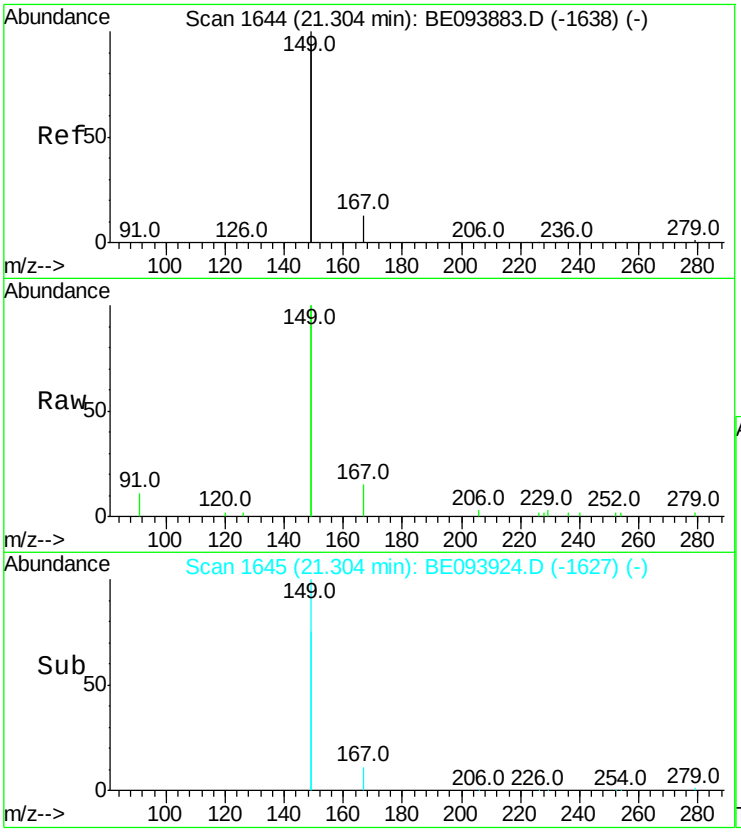




#29
Terphenyl-d14
Concen: 0.477 ng
RT: 19.87 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:244 Resp: 14868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 60.7 | 28.3 | 42.5# |
| 122 | 16.9 | 9.4 | 14.0# |



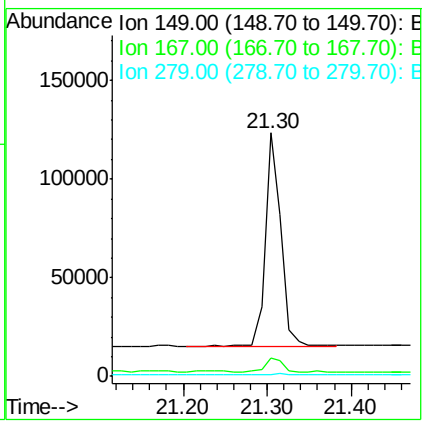


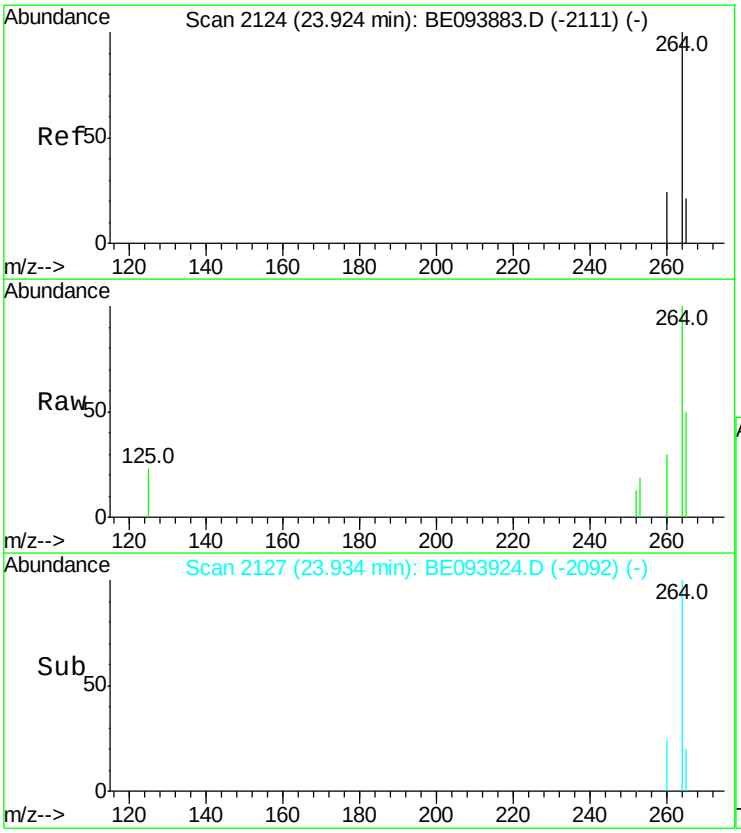

#32
Bis(2-ethylhexyl)phthalate
Concen: 1.290 ng
RT: 21.30 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

**Instrument :**
BNA_E
**ClientSampleId :**
3831-PA3

Tgt Ion:149 Resp: 139249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.6 | 5.4 | 8.0 |
| 279 | 1.0 | 0.7 | 1.1 |




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2127
Delta R.T. 0.01 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:264 Resp: 14966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 30.5 | 20.0 | 30.0# |
| 265 | 50.2 | 24.0 | 36.0# |