Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113964.D
Acq On : 24 Apr 2019 16:29
Operator : JU/SJ
Sample : K2487-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 25 01:24:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 124432 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 459197 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 230521 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 440881 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 332546 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 15.53 | 264 | 395382 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 500699 | 68.82 | ng | | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 429933 | 47.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 737514 | 99.17 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 358462 | 127.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 1436489 | 97.46 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 1589165 | 97.97 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 2859 | 0.834 | ng | | 95 |
| 6) Aniline | 6.62 | 93 | 1220 | 0.097 | ng | # | 53 |
| 9) Benzaldehyde | 6.66 | 77 | 18628 | Below Cal | | # | 78 |
| 10) Phenol | 6.53 | 94 | 608 | 0.056 | ng | # | 1 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 1220 | 0.149 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 7.07 | 146 | 573 | 0.061 | ng | # | 68 |
| 13) 1,4-Dichlorobenzene | 7.07 | 146 | 573 | 0.061 | ng | # | 87 |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 573 | 0.066 | ng | # | 89 |
| 15) Benzyl Alcohol | 7.05 | 79 | 11916 | 1.938 | ng | # | 49 |
| 19) n-Nitroso-di-n-propylamine | 7.45 | 70 | 99195 | 16.782 | ng | # | 78 |
| 22) Acetophenone | 7.43 | 105 | 958 | 0.094 | ng | # | 48 |
| 24) Nitrobenzene | 7.45 | 77 | 2105 | 0.256 | ng | # | 36 |
| 25) Isophorone | 7.45 | 82 | 737507 | 48.464 | ng | # | 65 |
| 27) 2,4-Dimethylphenol | 7.88 | 122 | 137 | 0.022 | ng | # | 4 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 116 | 0.012 | ng | # | 50 |
| 29) 2,4-Dichlorophenol | 8.24 | 162 | 283 | 0.041 | ng | # | 26 |
| 31) Naphthalene | 8.20 | 128 | 508 | 0.023 | ng | # | 1 |
| 32) Benzoic acid | 7.88 | 122 | 137 | 0.033 | ng | | 95 |
| 37) 2-Methylnaphthalene | 9.10 | 142 | 108 | 0.007 | ng | # | 1 |
| 38) 1-Methylnaphthalene | 9.10 | 142 | 108 | 0.008 | ng | # | 1 |
| 46) 1,1'-Biphenyl | 9.35 | 154 | 2775 | 0.158 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.63 | 162 | 106 | 0.007 | ng | # | 1 |
| 48) 2-Nitroaniline | 9.64 | 65 | 252 | 0.067 | ng | # | 1 |
| 50) Dimethylphthalate | 9.64 | 163 | 39256 | 2.355 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.93 | 165 | 30399 | 8.499 | ng | # | 33 |
| 52) Acenaphthene | 9.93 | 154 | 876 | 0.066 | ng | # | 6 |
| 57) 2,4-Dinitrotoluene | 9.93 | 165 | 30394 | 6.732 | ng | # | 29 |
| 58) Fluorene | 10.72 | 166 | 14345 | 0.960 | ng | # | 89 |
| 60) Diethylphthalate | 10.34 | 149 | 573 | 0.036 | ng | # | 57 |
| 63) Azobenzene | 10.63 | 77 | 524 | 0.034 | ng | # | 30 |
| 65) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 679 | 7.593 | ng | # | 1 |
| 66) n-Nitrosodiphenylamine | 10.72 | 169 | 9650 | 0.729 | ng | # | 44 |
| 67) 4-Bromophenyl-phenylether | 10.72 | 248 | 23014 | 4.321 | ng | # | 1 |
| 71) Phenanthrene | 11.43 | 178 | 357 | 0.016 | ng | # | 59 |

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113964.D
Acq On : 24 Apr 2019 16:29
Operator : JU/SJ
Sample : K2487-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 25 01:24:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 72) Anthracene | 11.49 | 178 | 491 | 0.022 | ng | # | 59 |
| 73) Carbazole | 11.65 | 167 | 119 | 0.006 | ng | # | 59 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 895 | 0.038 | ng | # | 77 |
| 75) Fluoranthene | 12.62 | 202 | 327 | 0.014 | ng | | 63 |
| 77) Benzidine | 13.00 | 184 | 17442 | 1.760 | ng | | 96 |
| 78) Pyrene | 12.85 | 202 | 274 | 0.012 | ng | # | 56 |
| 81) Benzo(a)anthracene | 14.05 | 228 | 996 | 0.051 | ng | # | 48 |
| 83) Chrysene | 14.07 | 228 | 174 | 0.009 | ng | # | 48 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 1091 | 0.094 | ng | # | 91 |
| 85) Di-n-octyl phthalate | 14.68 | 149 | 486 | 0.027 | ng | # | 80 |
| 88) Benzo(b)fluoranthene | 15.09 | 252 | 131 | 0.005 | ng | # | 60 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 131 | 0.006 | ng | # | 59 |
| 90) Benzo(a)pyrene | 15.53 | 252 | 1208 | 0.056 | ng | # | 48 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
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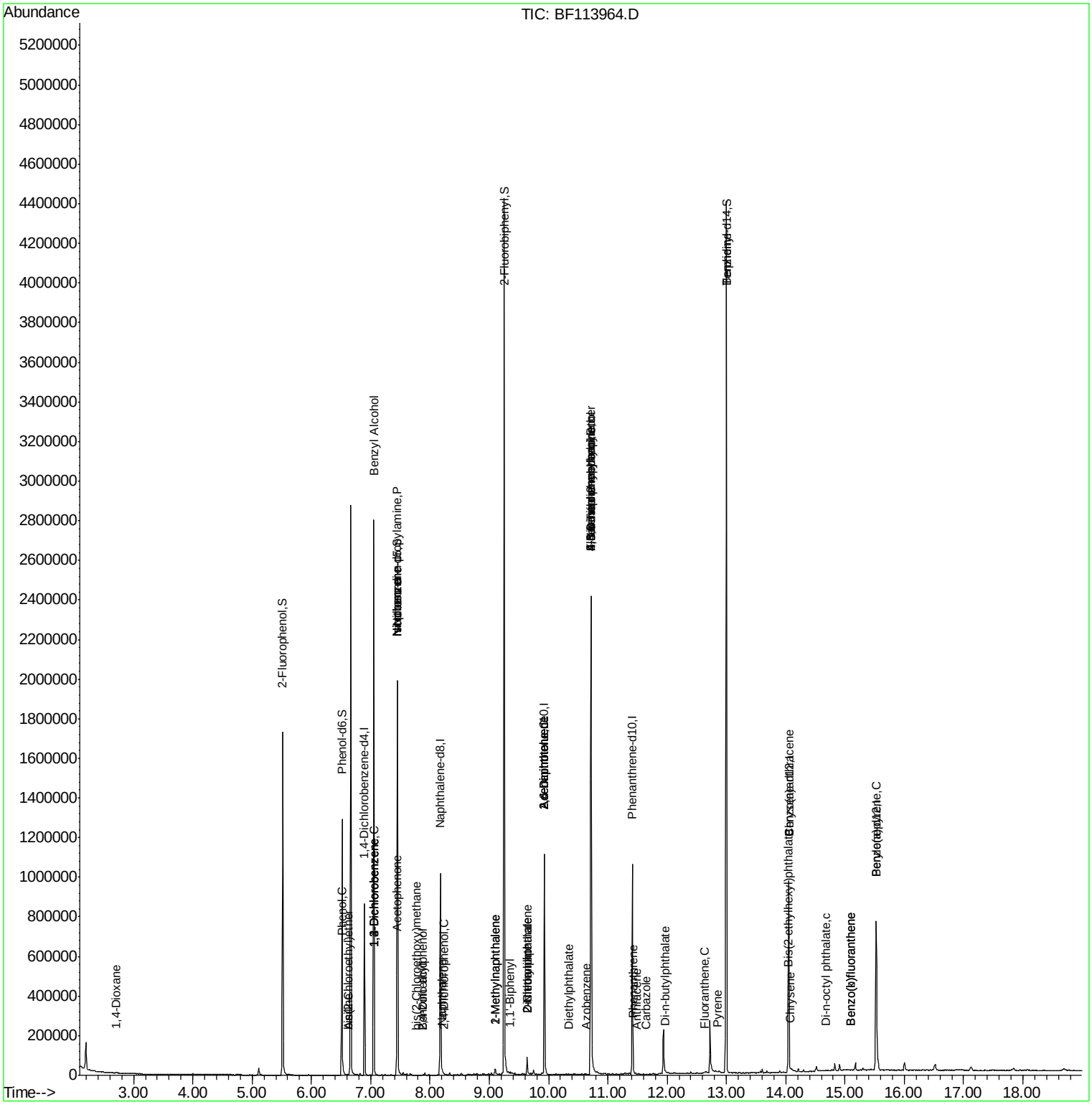
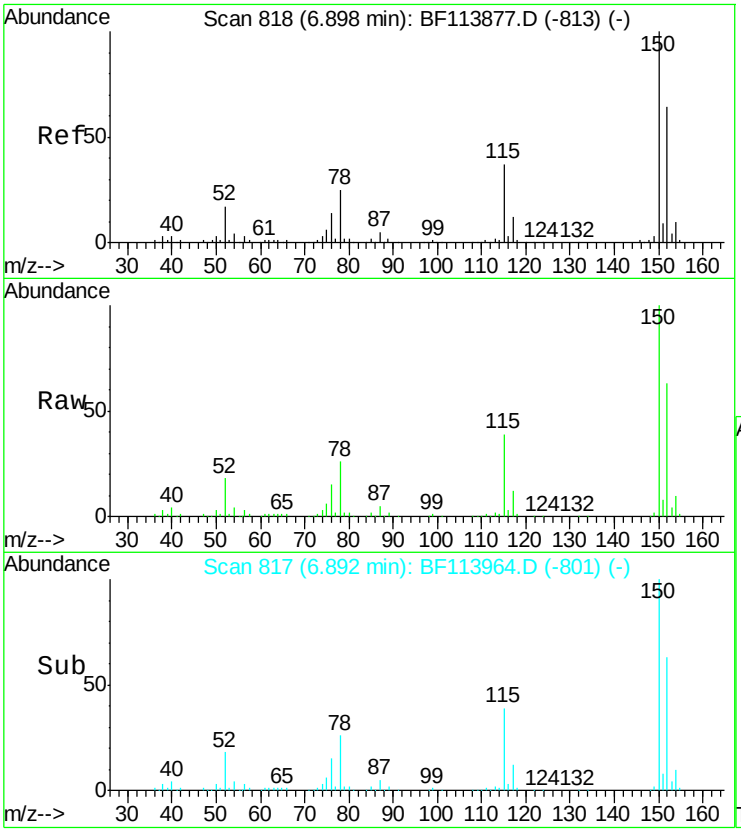
Acq On : 24 Apr 2019 16:29
Operator : JU/SJ
Sample : K2487-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 25 01:24:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration



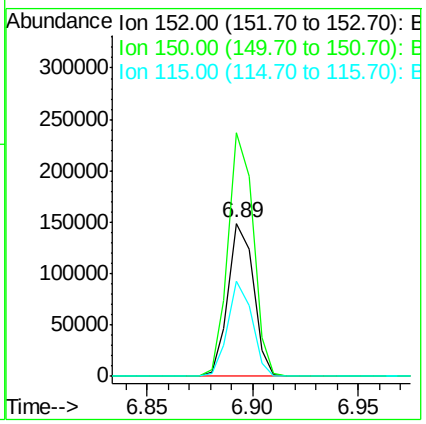


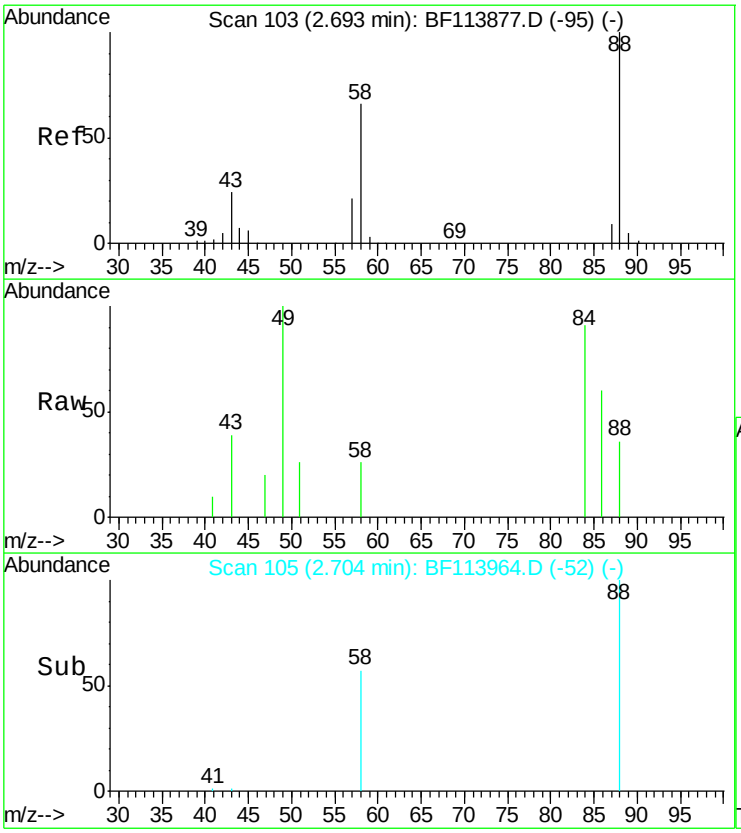

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:152 Resp: 124432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.0 | 125.9 | 188.9 |
| 115 | 62.3 | 45.9 | 68.9 |

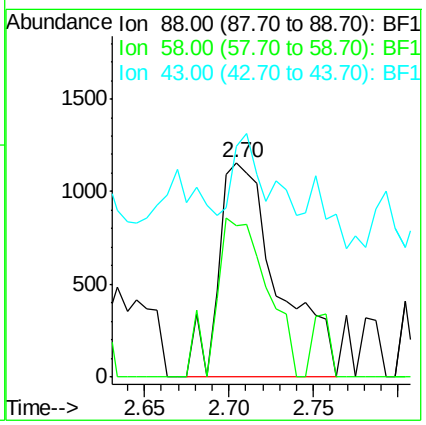


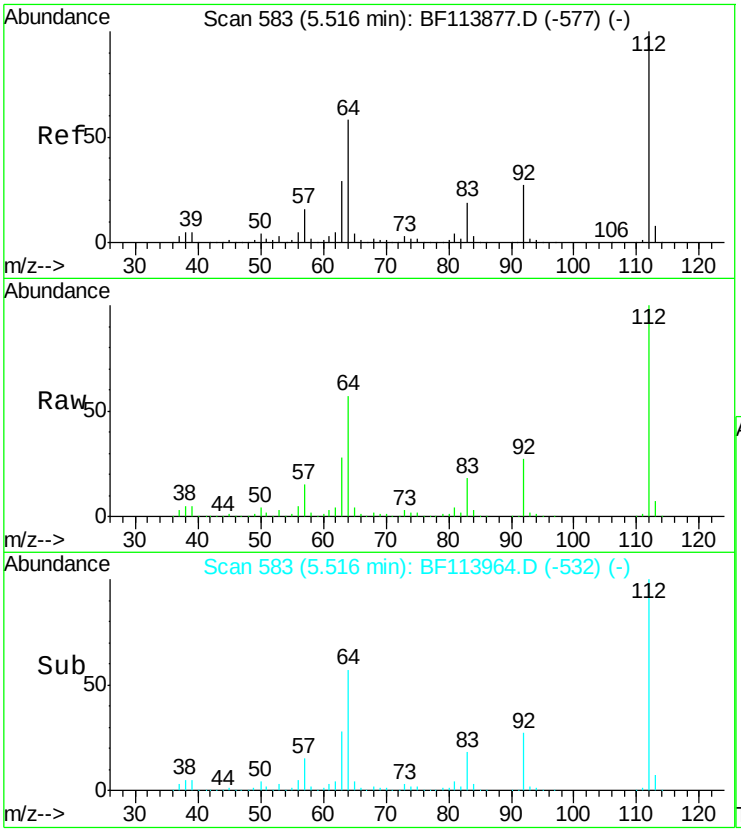




#2
1,4-Dioxane
Concen: 0.834 ng
RT: 2.70 min Scan# 105
Delta R.T. 0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 88 Resp: 2859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.4 | 53.3 | 79.9 |
| 43 | 19.2 | 19.0 | 28.4 |



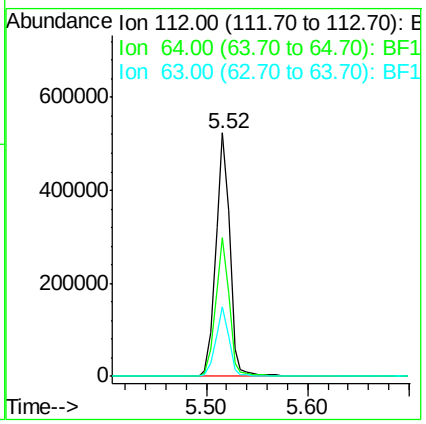


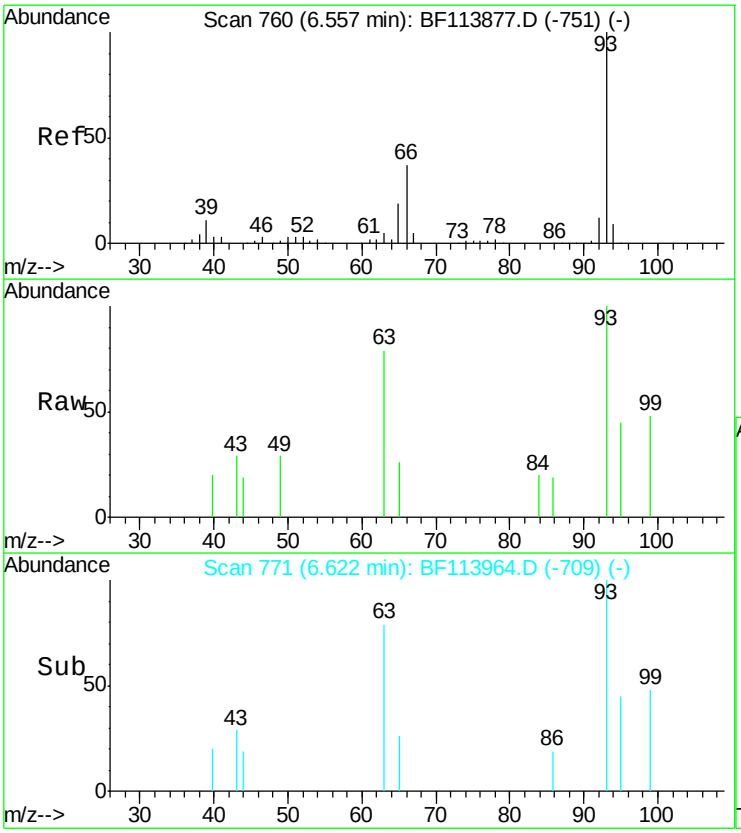

#5
2-Fluorophenol
Concen: 68.823 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:112 Resp: 500699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.8 | 46.6 | 69.8 |
| 63 | 28.4 | 23.1 | 34.7 |

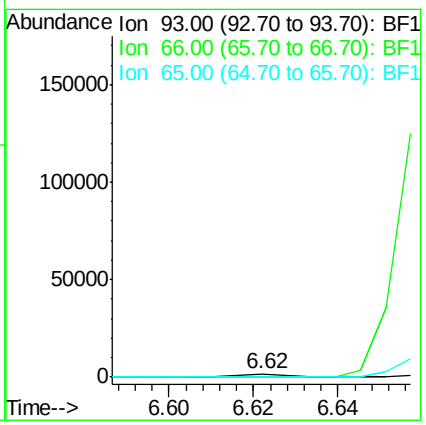


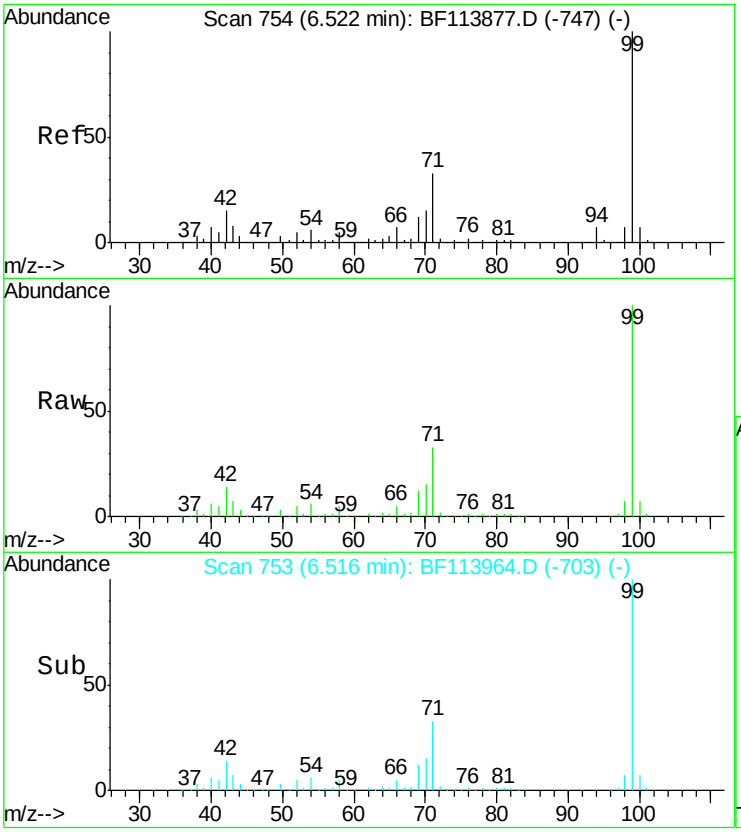




#6
Aniline
Concen: 0.097 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.06 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 93 Resp: 1220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 0.0 | 29.8 | 44.6# |
| 65 | 25.6 | 14.9 | 22.3# |



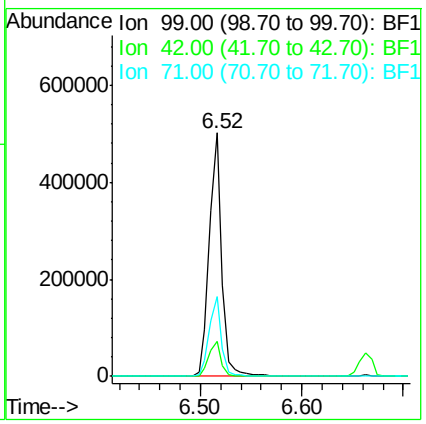


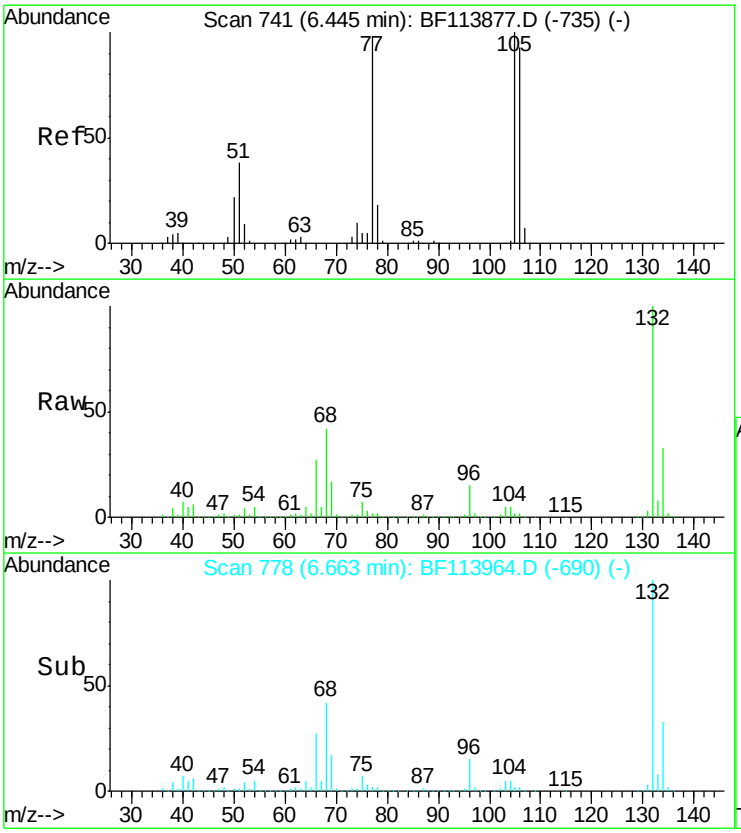

#7
Phenol-d6
Concen: 47.102 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion: 99 Resp: 429933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.3 | 12.5 | 18.7 |
| 71 | 32.8 | 26.9 | 40.3 |

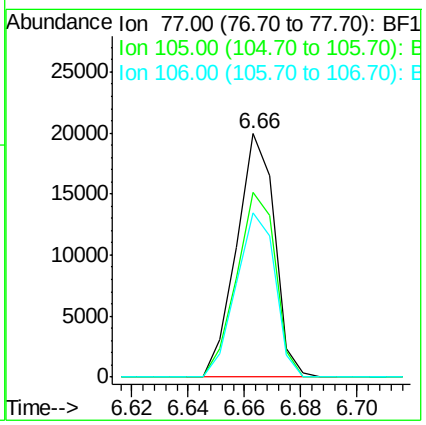


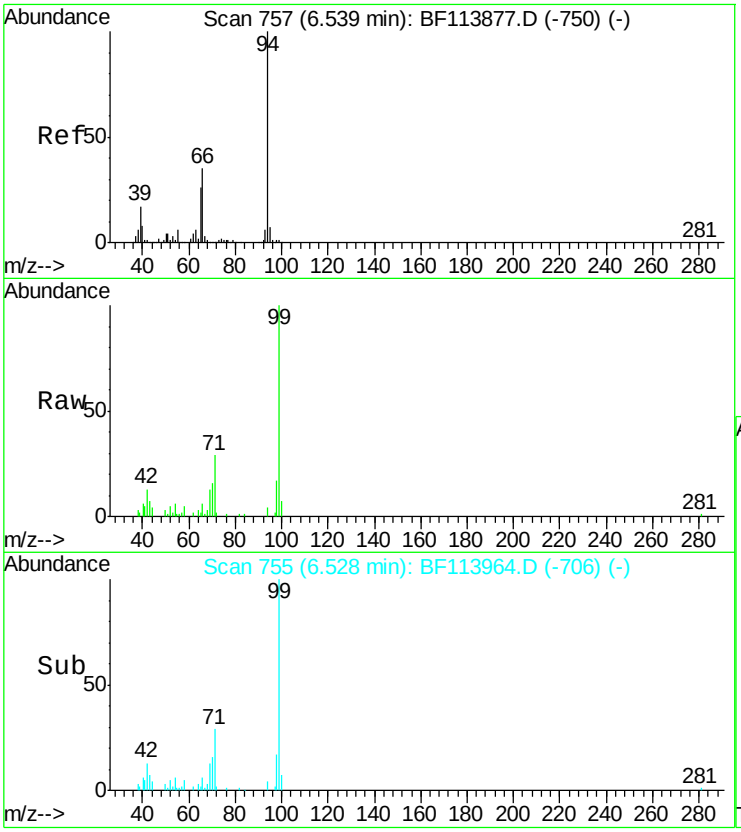




#9
Benzaldehyde
Concen: Below Cal
RT: 6.66 min Scan# 778
Delta R.T. 0.22 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 77 Resp: 18628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 75.7 | 74.1 | 114.1 |
| 106 | 67.3 | 70.3 | 110.3# |



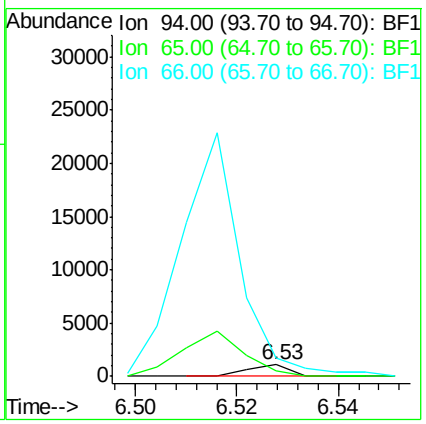


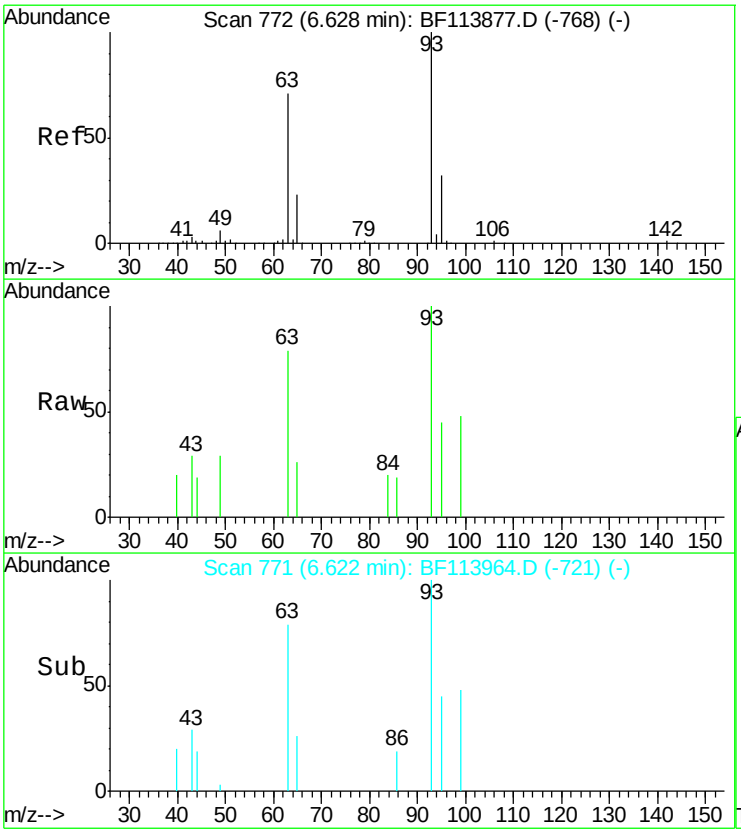

#10
Phenol
Concen: 0.056 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion: 94 Resp: 608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 47.2 | 8.1 | 48.1 |
| 66 | 154.7 | 16.6 | 56.6# |

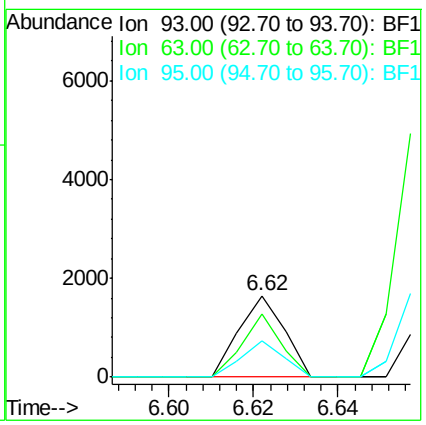


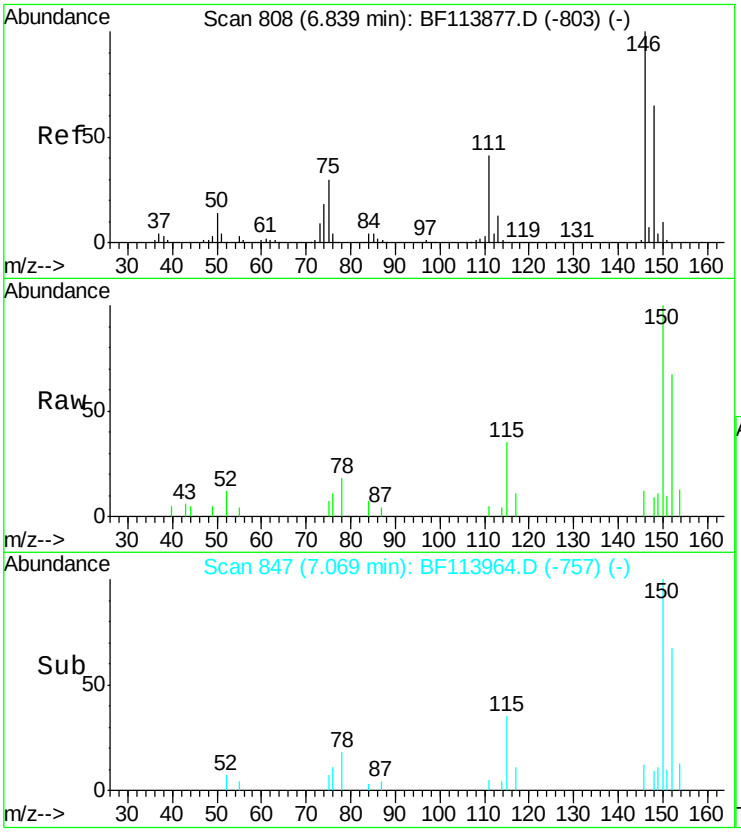




#11
bis(2-Chloroethyl)ether
Concen: 0.149 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 93 Resp: 1220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.5 | 50.7 | 90.7 |
| 95 | 44.8 | 12.3 | 52.3 |



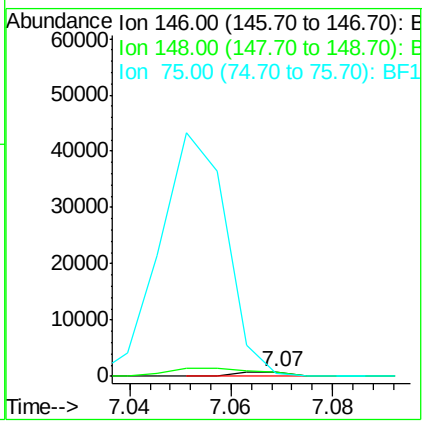


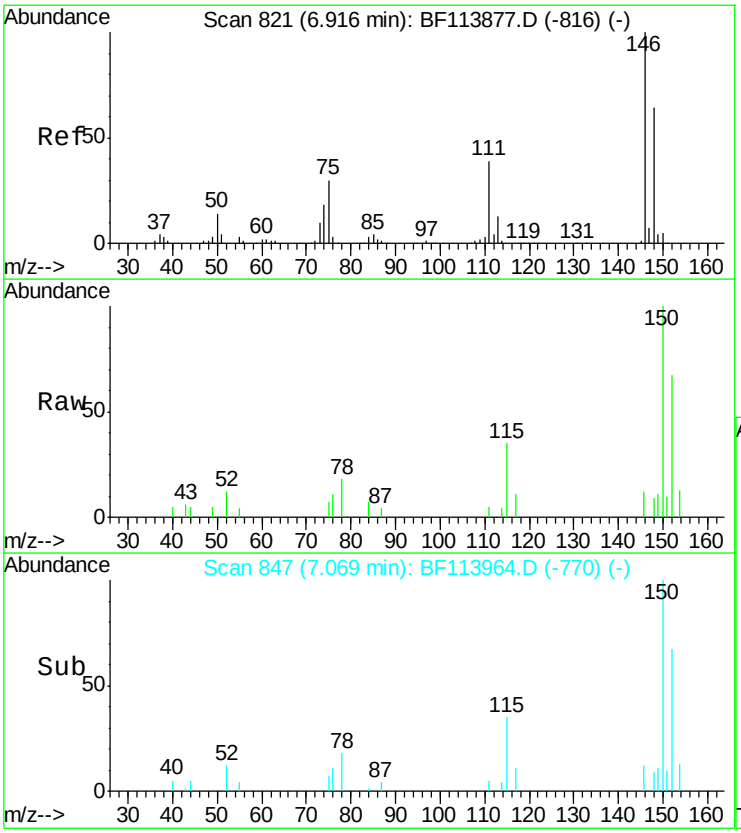

#12
1,3-Dichlorobenzene
Concen: 0.061 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.23 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:146 Resp: 573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 78.6 | 51.0 | 76.6# |
| 75 | 61.8 | 23.8 | 35.8# |

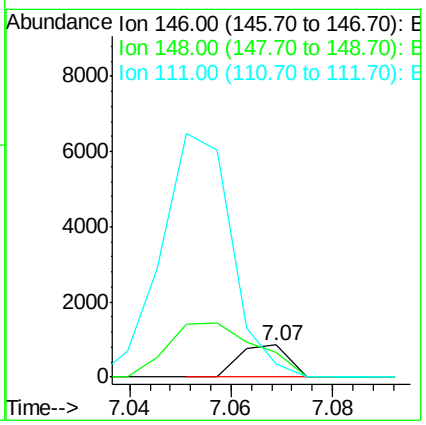


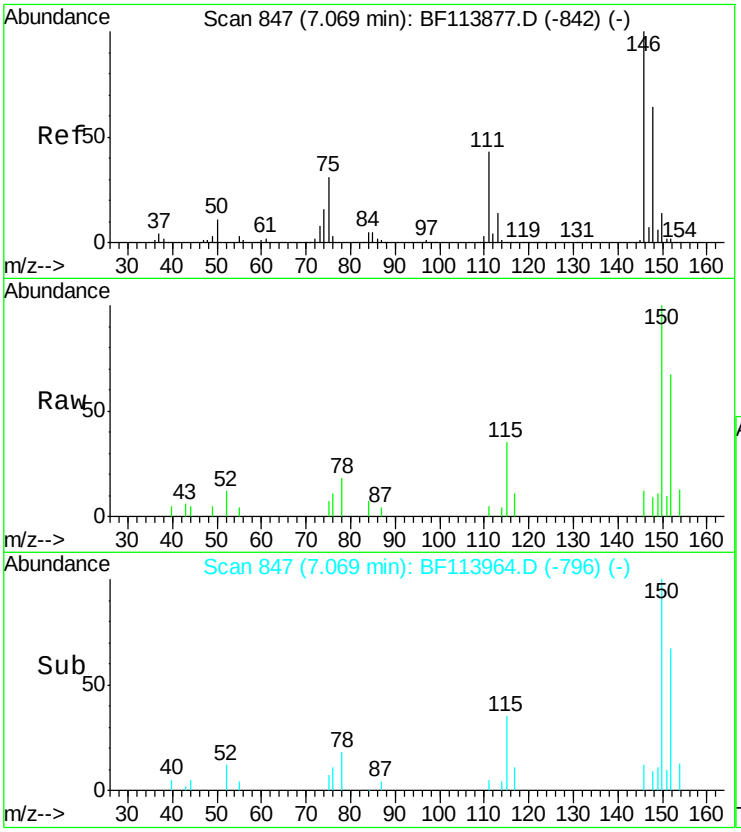




#13
1,4-Dichlorobenzene
Concen: 0.061 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.15 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:146 Resp: 573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 78.6 | 51.8 | 77.8# |
| 111 | 41.1 | 30.9 | 46.3 |



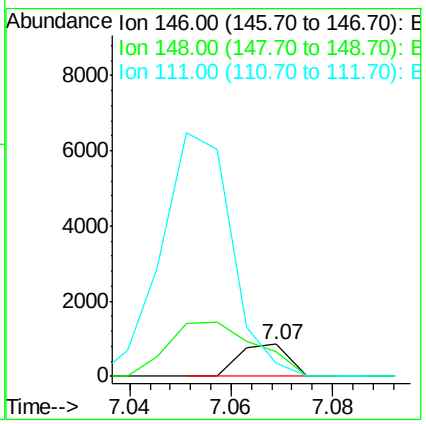


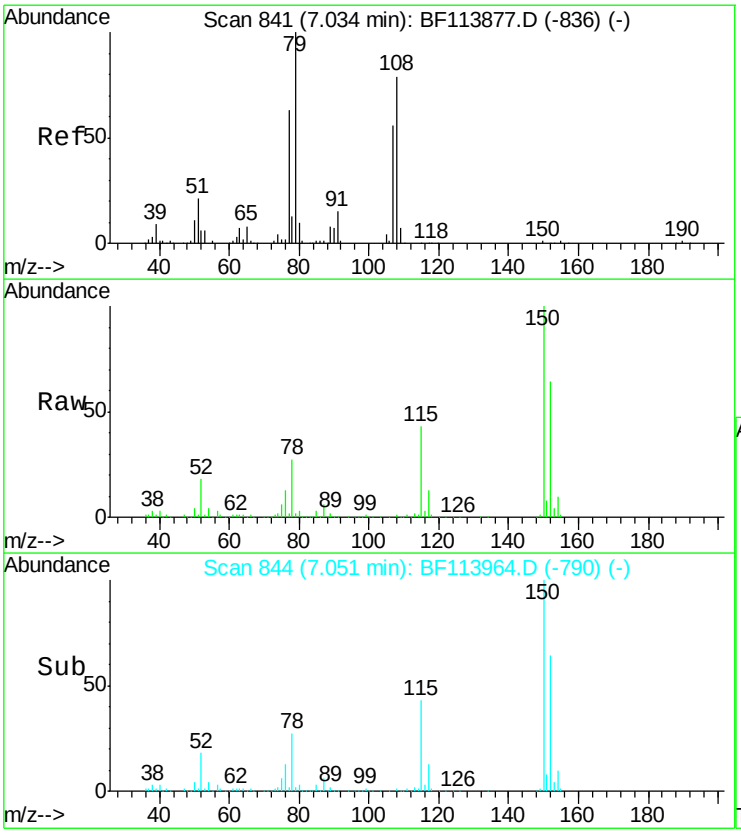

#14
1,2-Dichlorobenzene
Concen: 0.066 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:146 Resp: 573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 78.6 | 52.1 | 78.1# |
| 111 | 41.1 | 34.2 | 51.4 |

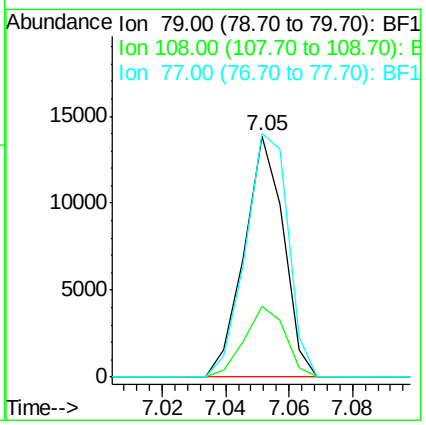


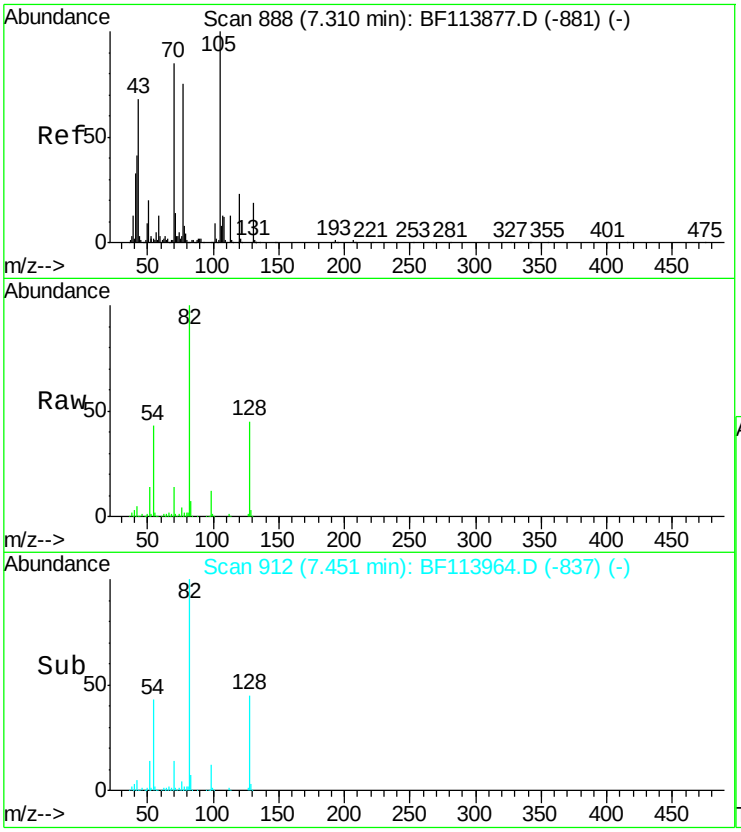




#15
Benzyl Alcohol
Concen: 1.938 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 79 Resp: 11916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 29.3 | 61.4 | 92.0# |
| 77 | 100.8 | 51.6 | 77.4# |



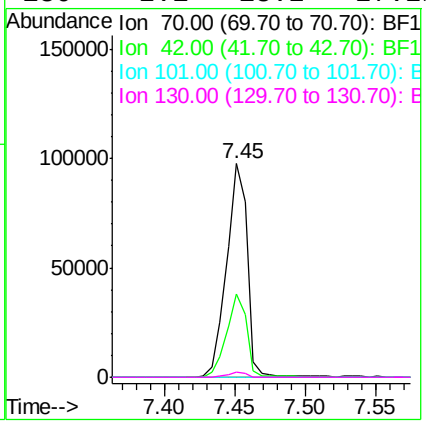


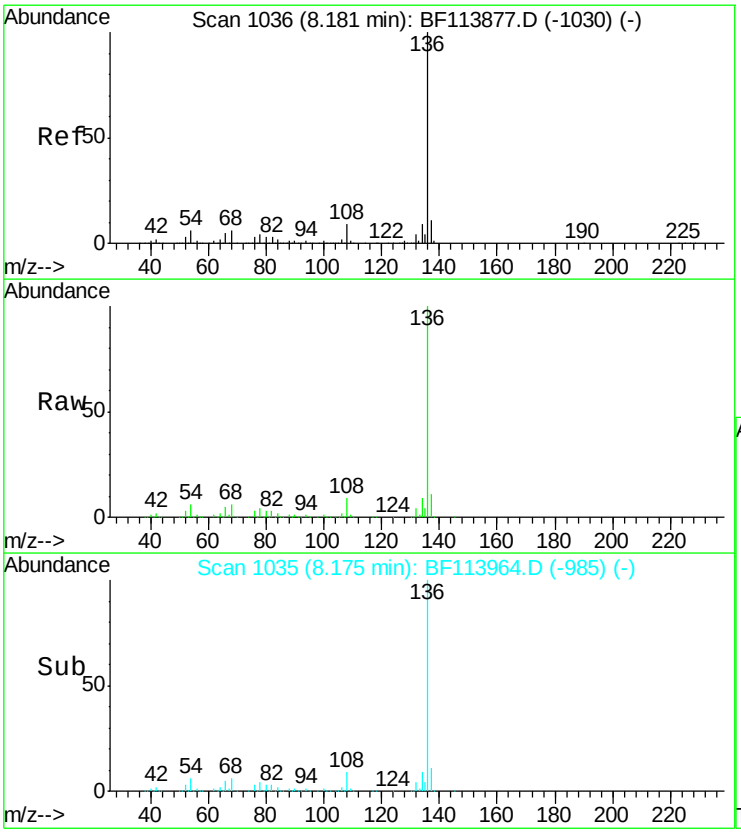

#19
n-Nitroso-di-n-propylamine
Concen: 16.782 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion: 70 Resp: 99195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.1 | 37.3 | 55.9 |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 2.1 | 18.2 | 27.2# |

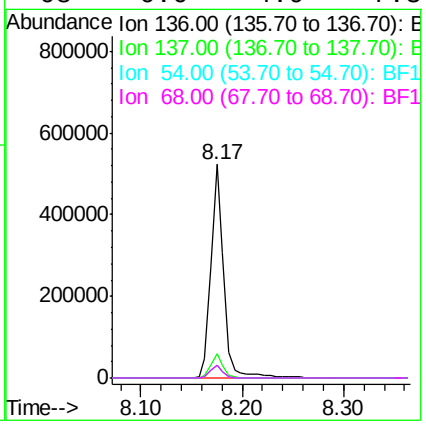


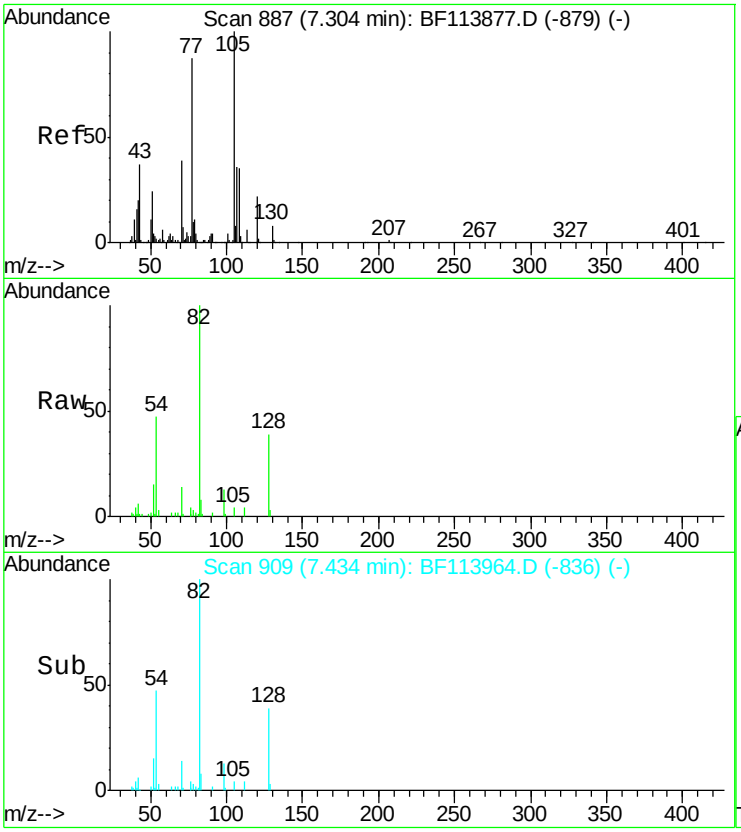




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:136 Resp: 459197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.6 | 12.8 |
| 54 | 6.2 | 5.0 | 7.6 |
| 68 | 6.0 | 4.9 | 7.3 |



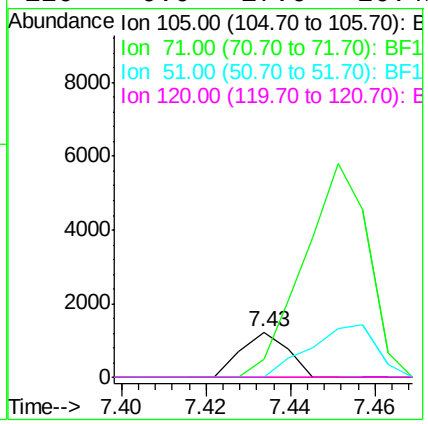


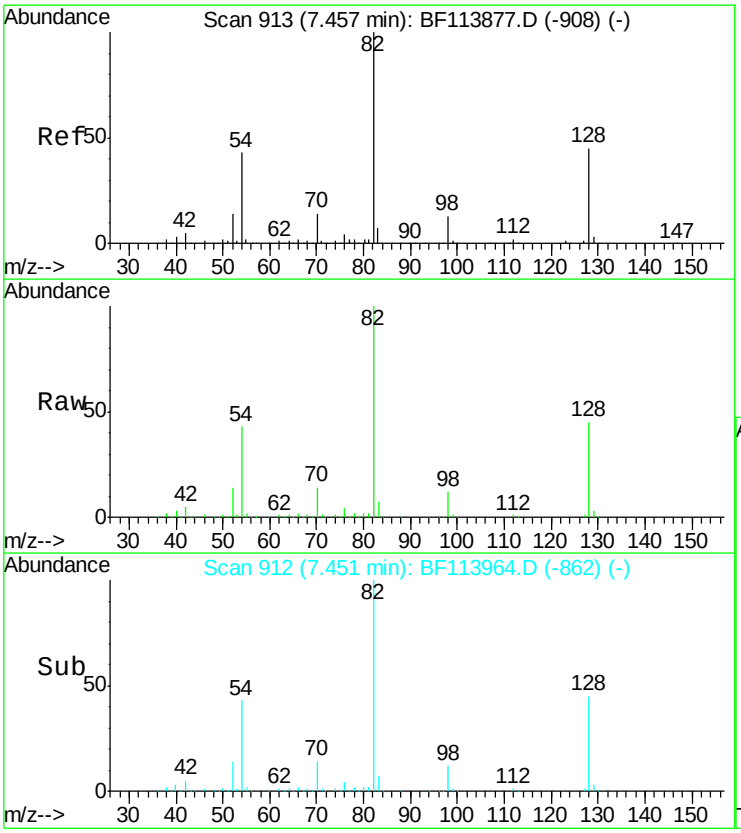

#22
Acetophenone
Concen: 0.094 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.13 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:105 Resp: 958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 38.3 | 6.1 | 9.1# |
| 51 | 0.0 | 16.8 | 25.2# |
| 120 | 0.0 | 17.6 | 26.4# |

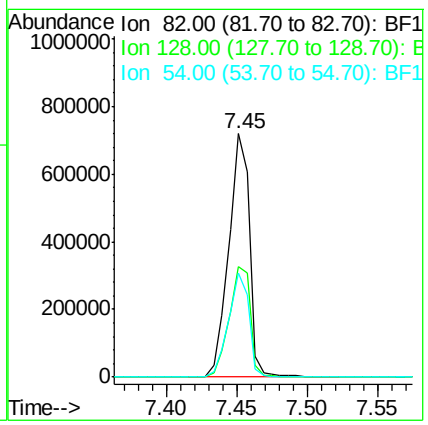


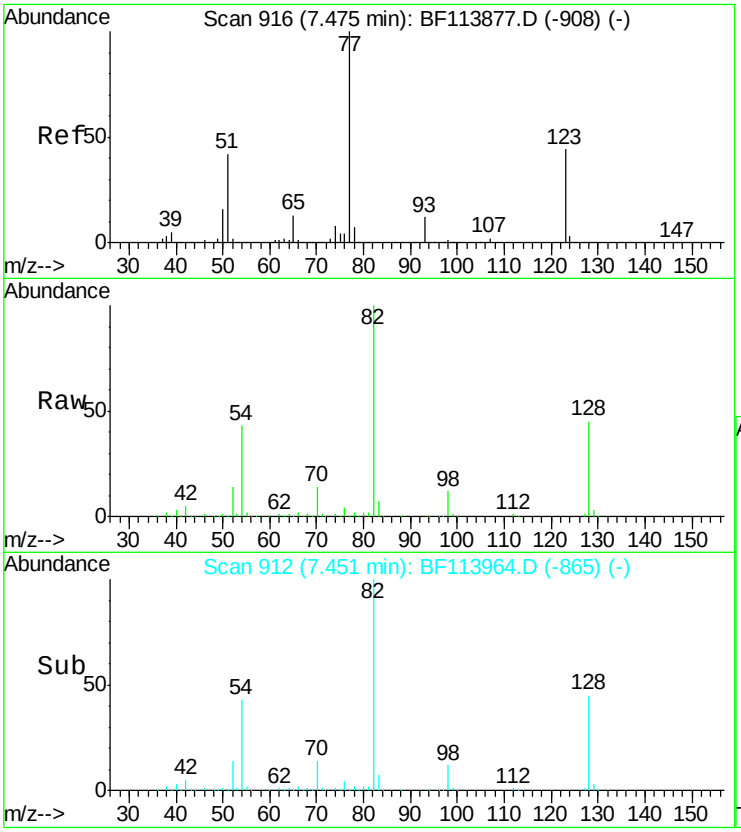




#23
Nitrobenzene-d5
Concen: 99.167 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 82 Resp: 737514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 36.8 | 55.2 |
| 54 | 42.8 | 33.8 | 50.6 |



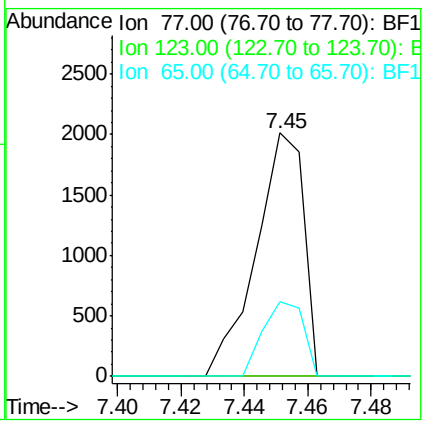


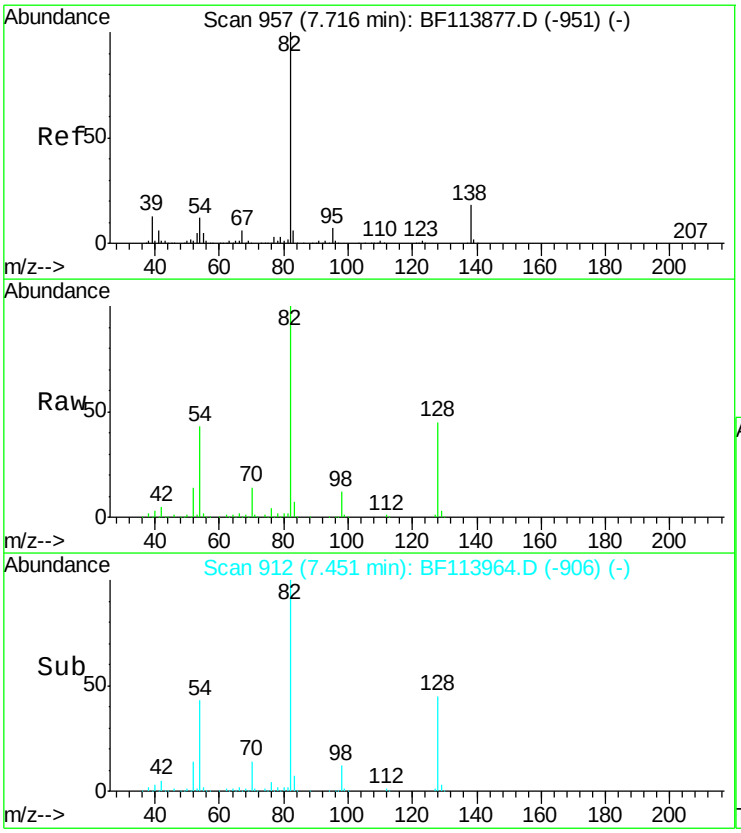

#24
Nitrobenzene
Concen: 0.256 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion: 77 Resp: 2105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 36.3 | 54.5# |
| 65 | 30.5 | 10.3 | 15.5# |

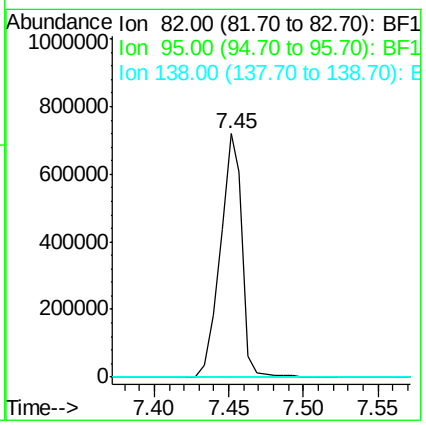


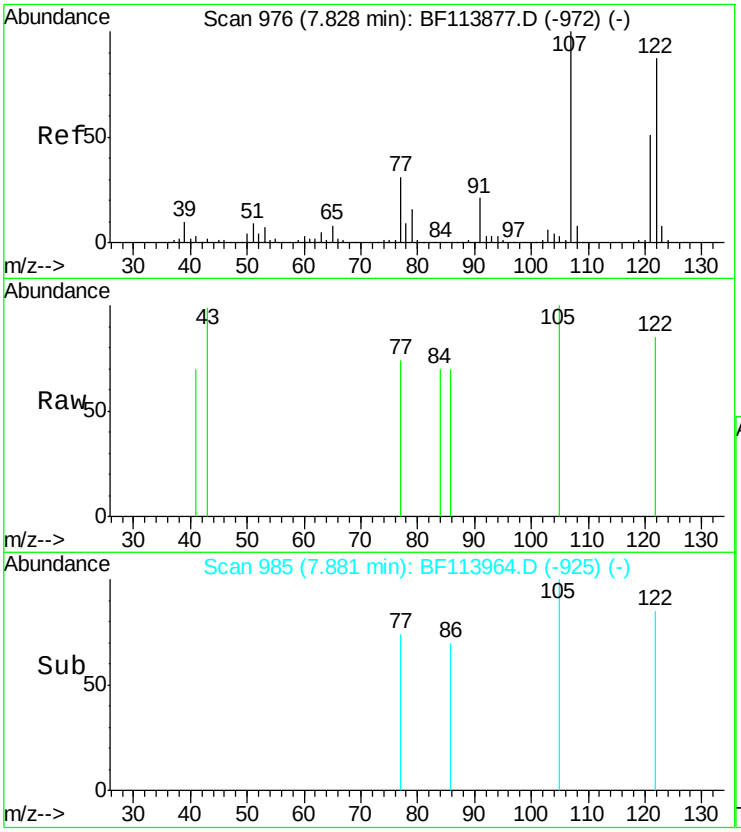




#25
Isophorone
Concen: 48.464 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 82 Resp: 737507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 14.6 | 22.0# |



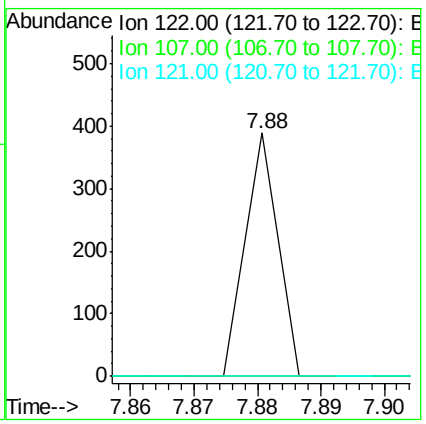


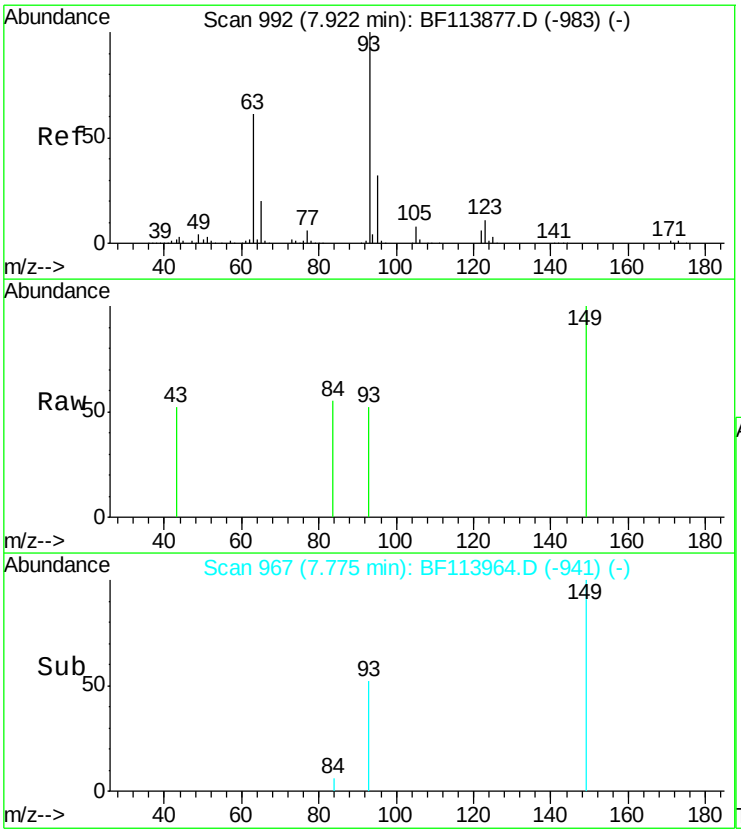

#27
2,4-Dimethylphenol
Concen: 0.022 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.05 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:122 Resp: 137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 0.0 | 91.2 | 136.8# |
| 121 | 0.0 | 46.4 | 69.6# |

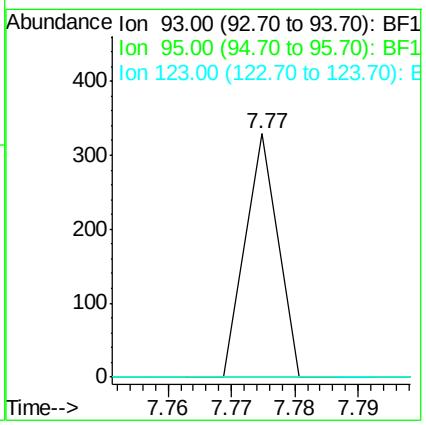


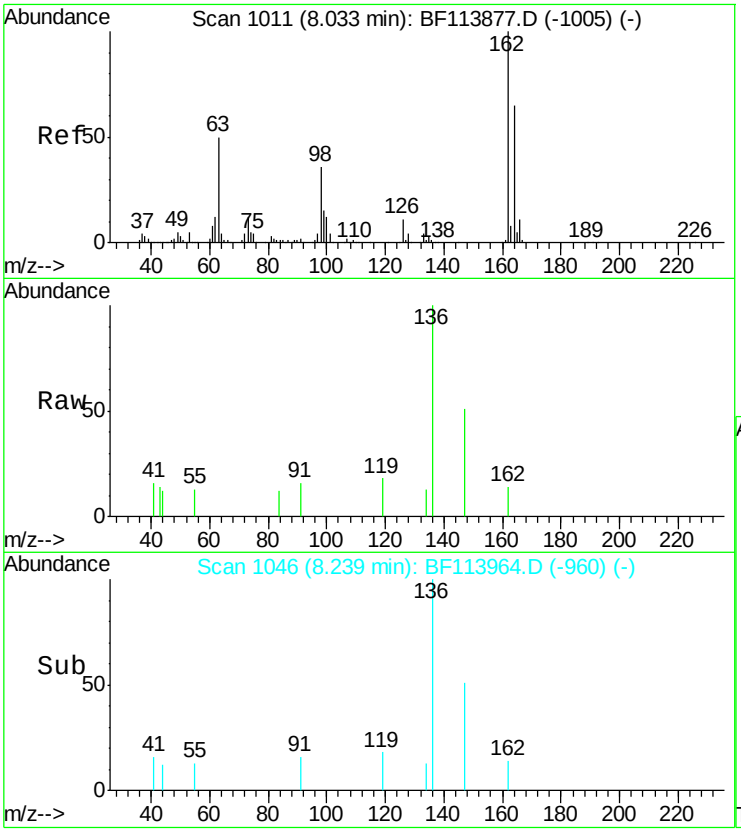




#28
bis(2-Chloroethoxy)methane
Concen: 0.012 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.15 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 93 Resp: 116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 0.0 | 25.8 | 38.6# |
| 123 | 0.0 | 9.0 | 13.6# |



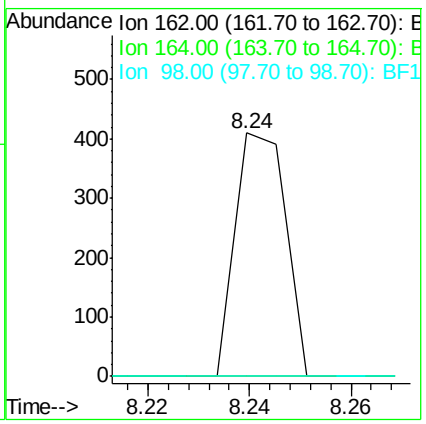


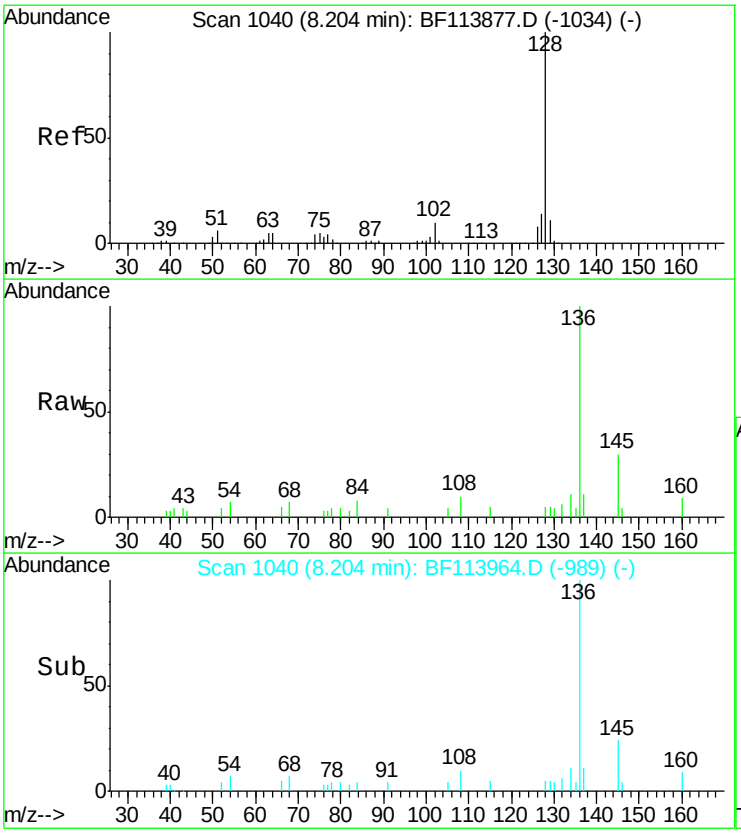

#29
2,4-Dichlorophenol
Concen: 0.041 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.21 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:162 Resp: 283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 0.0 | 43.7 | 83.7# |
| 98 | 0.0 | 15.5 | 55.5# |

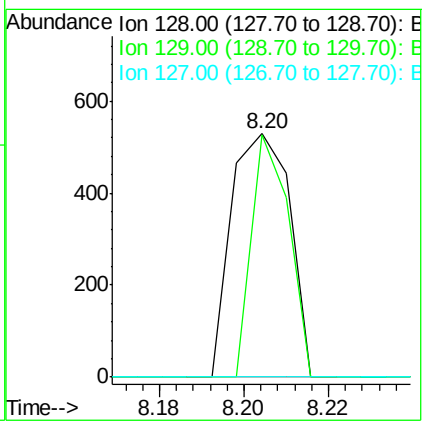


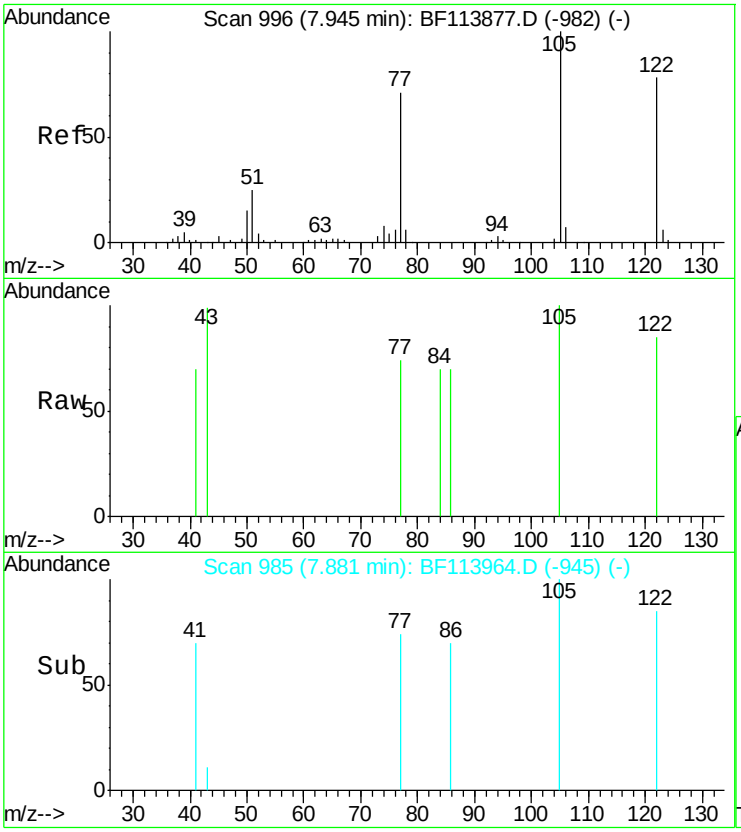




#31
Naphthalene
Concen: 0.023 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:128 Resp: 508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 99.4 | 9.4 | 14.0# |
| 127 | 0.0 | 10.8 | 16.2# |



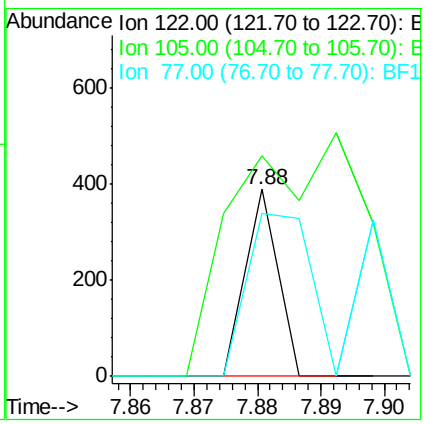


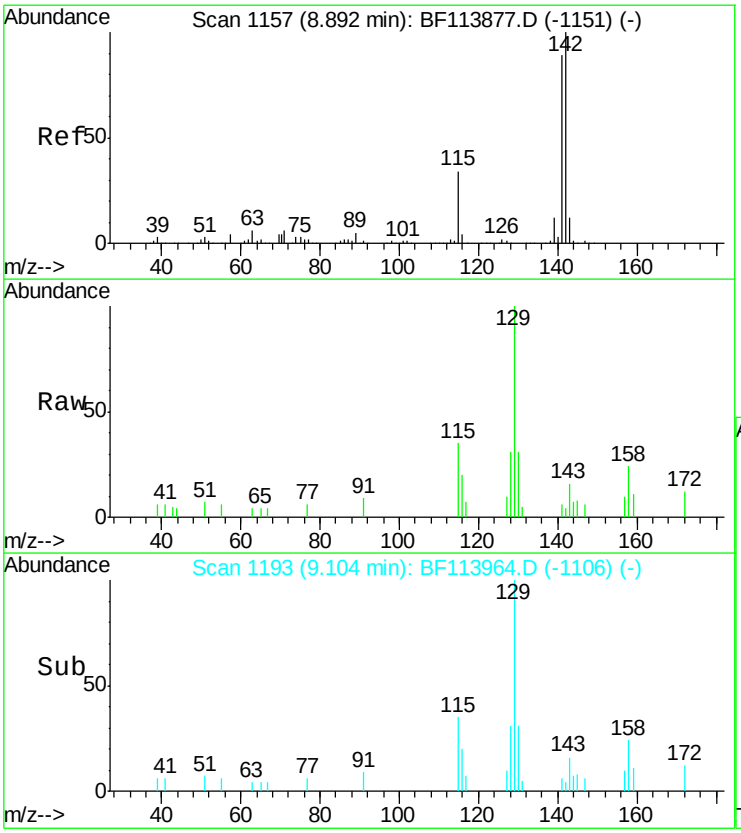

#32
Benzoic acid
Concen: 0.033 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.06 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:122 Resp: 137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 117.5 | 104.3 | 144.3 |
| 77 | 87.1 | 70.4 | 110.4 |

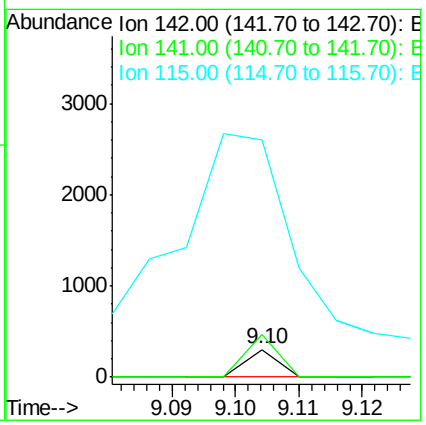


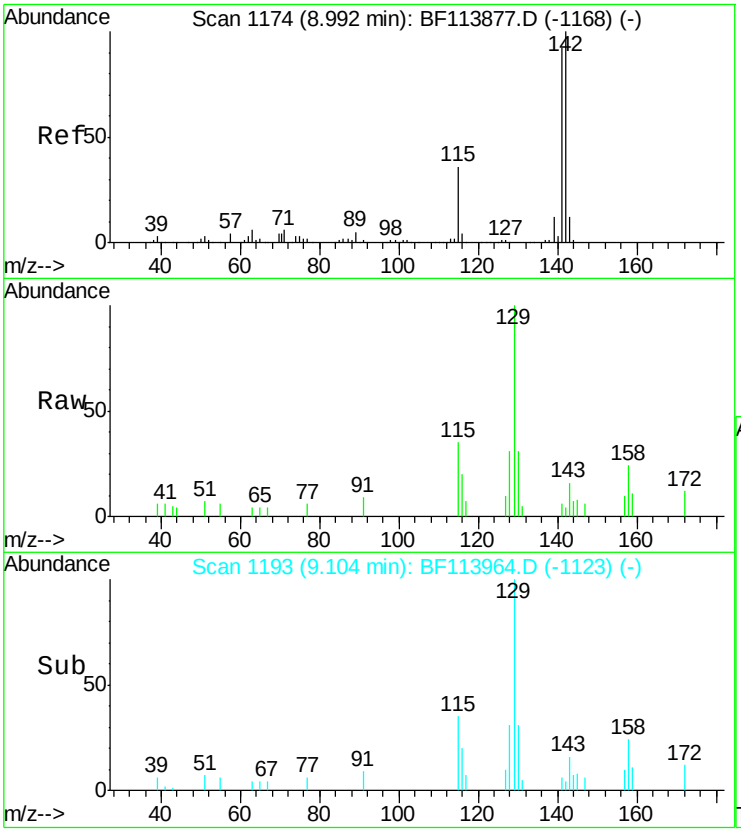




#37
2-Methylnaphthalene
Concen: 0.007 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.21 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:142 Resp: 108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 155.1 | 70.4 | 105.6# |
| 115 | 850.8 | 26.3 | 39.5# |



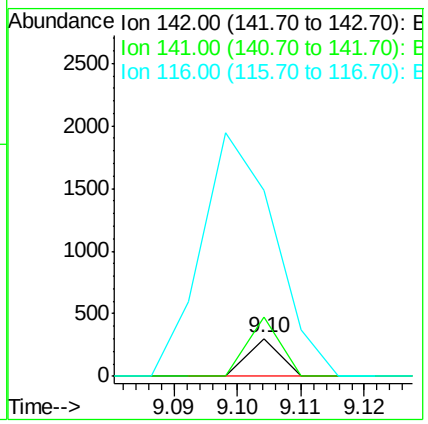


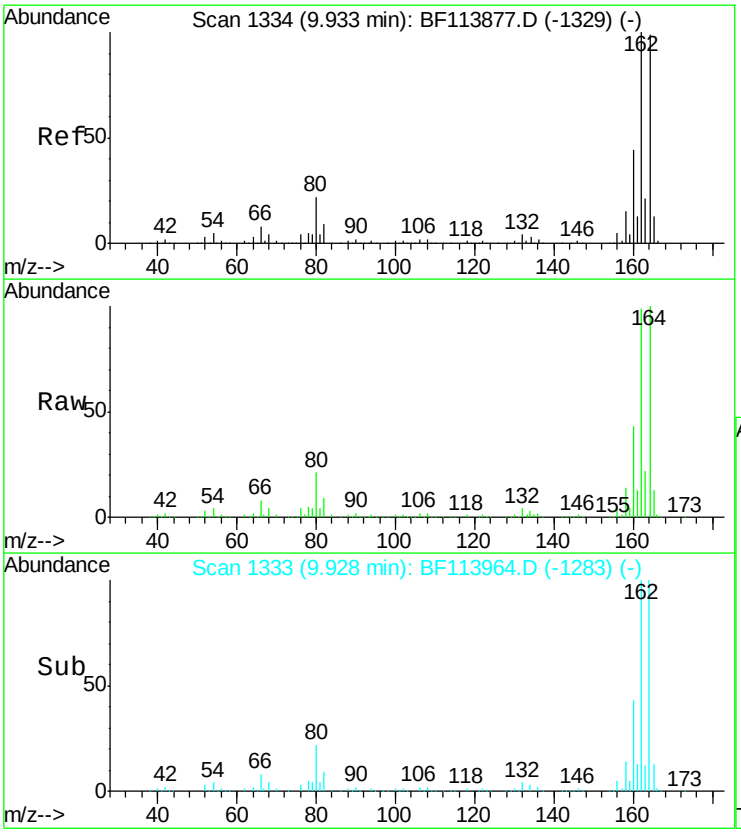

#38
1-Methylnaphthalene
Concen: 0.008 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.11 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:142 Resp: 108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 155.1 | 72.3 | 108.5# |
| 116 | 486.9 | 3.0 | 4.4# |

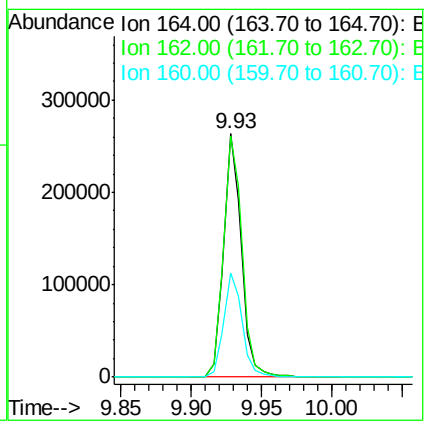


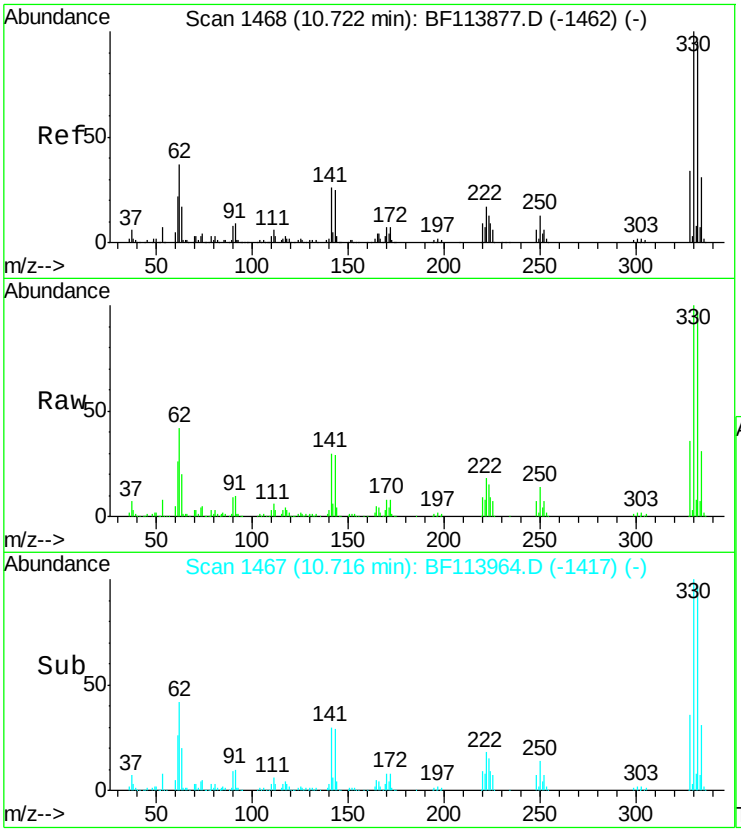




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:164 Resp: 230521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.0 | 81.1 | 121.7 |
| 160 | 42.8 | 35.8 | 53.6 |



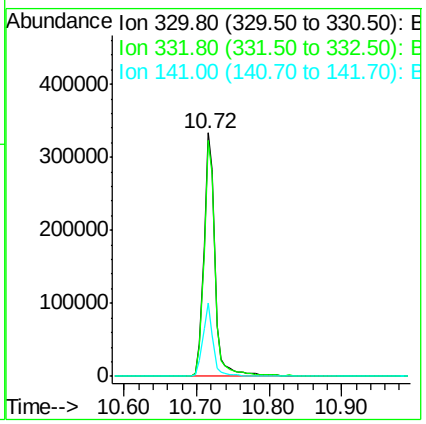


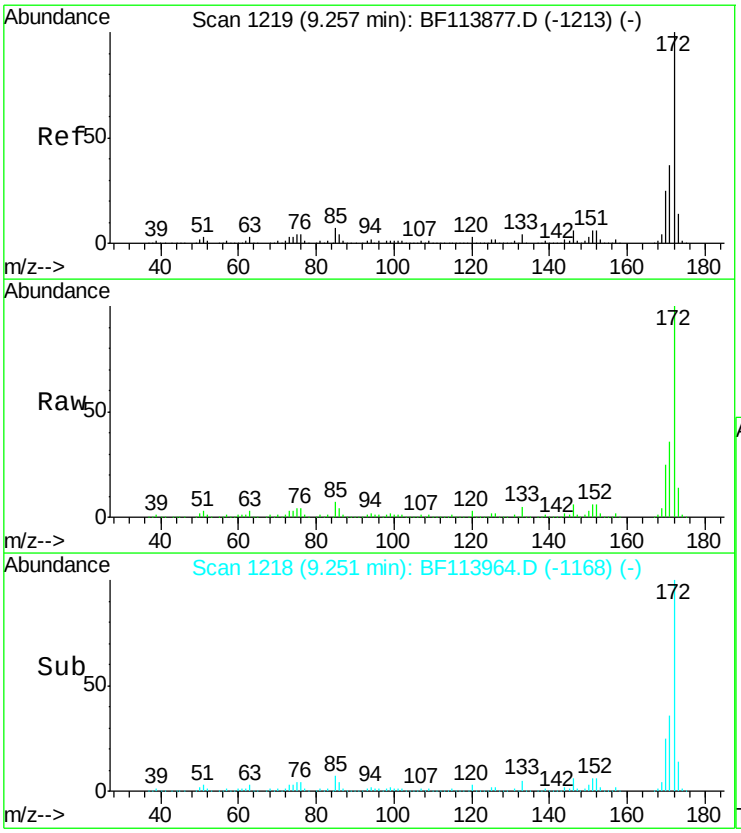

#42
2,4,6-Tribromophenol
Concen: 127.648 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:330 Resp: 358462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.5 | 116.3 |
| 141 | 28.1 | 22.2 | 33.2 |

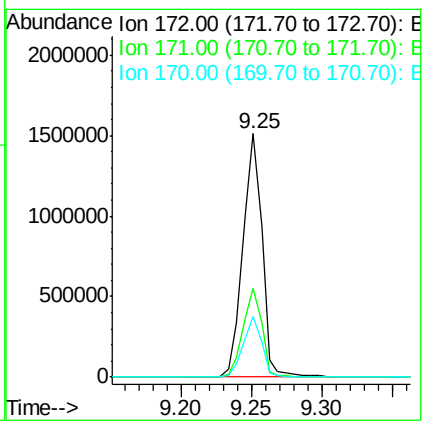


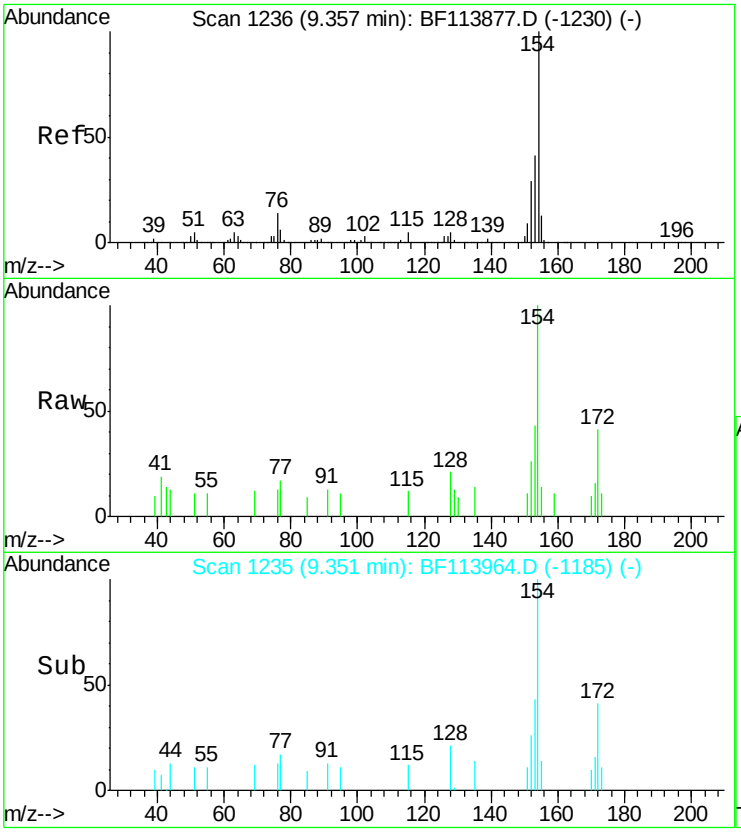




#45
2-Fluorobiphenyl
Concen: 97.462 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:172 Resp: 1436489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.4 | 44.0 |
| 170 | 24.8 | 19.9 | 29.9 |



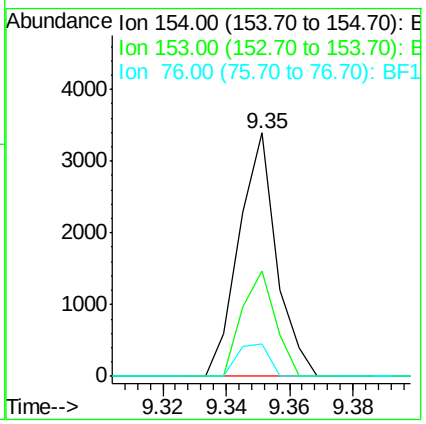


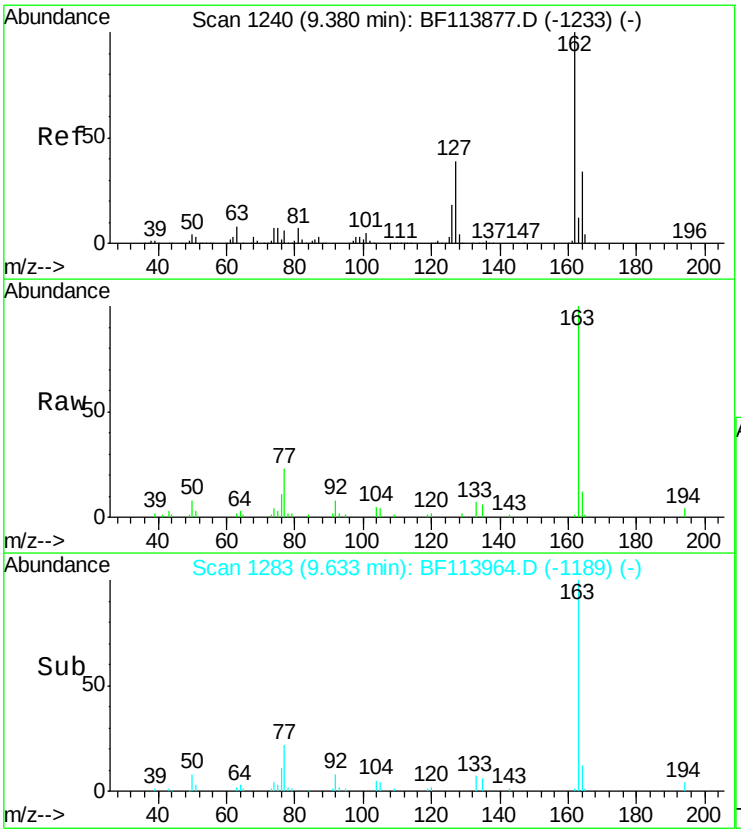

#46
1,1'-Biphenyl
Concen: 0.158 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:154 Resp: 2775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 43.3 | 20.8 | 60.8 |
| 76 | 13.2 | 0.0 | 35.2 |

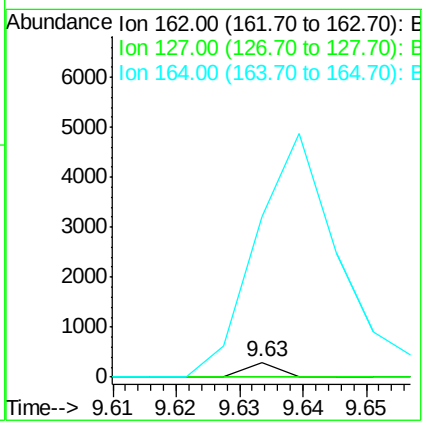


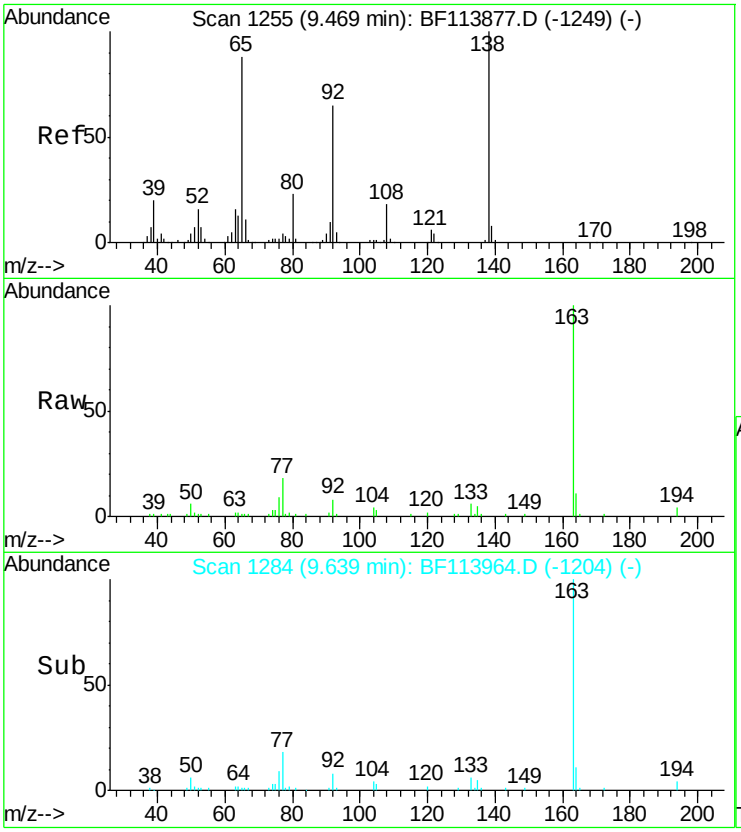




#47
2-Chloronaphthalene
Concen: 0.007 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.25 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:162 Resp: 106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 0.0 | 29.3 | 43.9# |
| 164 | 1069.4 | 27.1 | 40.7# |



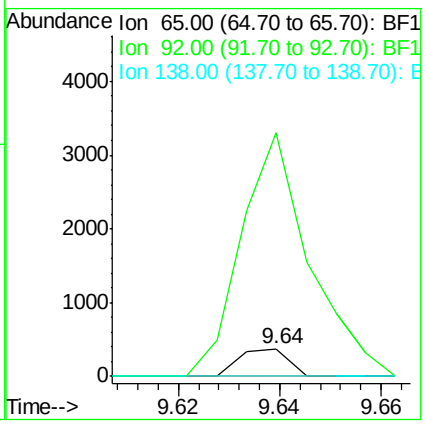


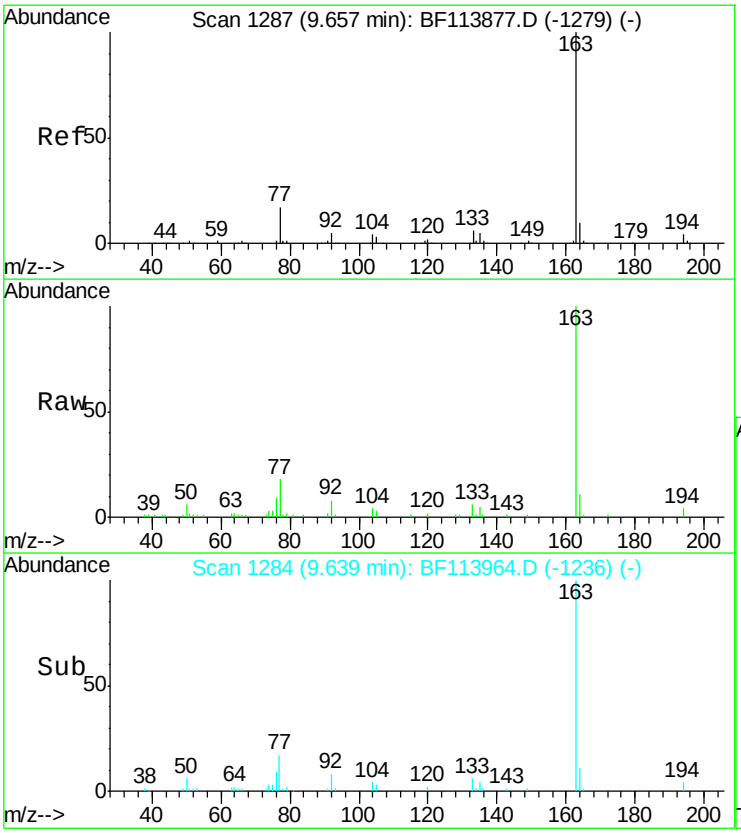

#48
2-Nitroaniline
Concen: 0.067 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.17 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion: 65 Resp: 252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 873.5 | 57.4 | 86.0# |
| 138 | 0.0 | 85.4 | 128.0# |

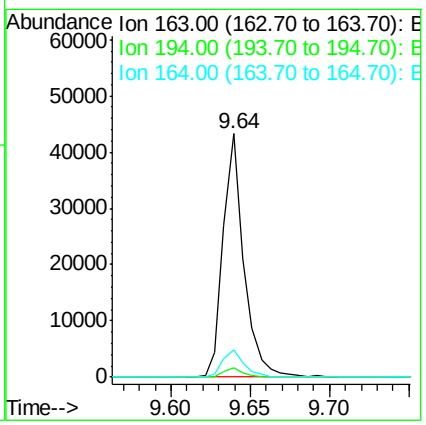


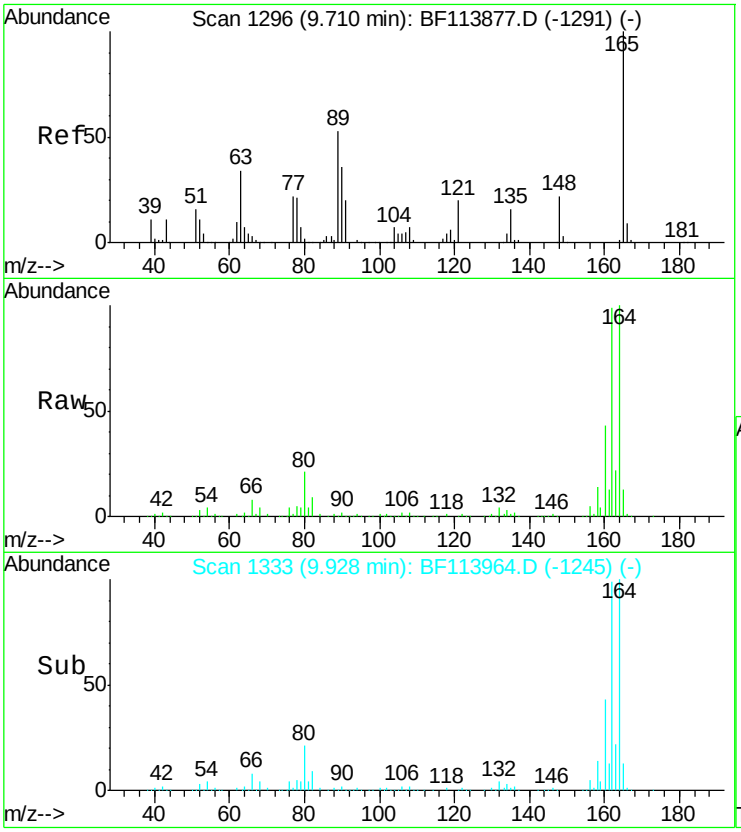




#50
Dimethylphthalate
Concen: 2.355 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:163 Resp: 39256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.4 | 5.2 |
| 164 | 11.3 | 8.5 | 12.7 |



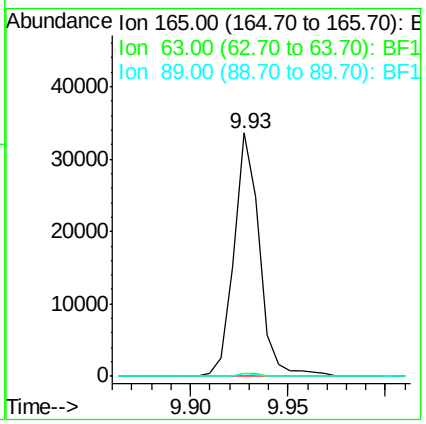


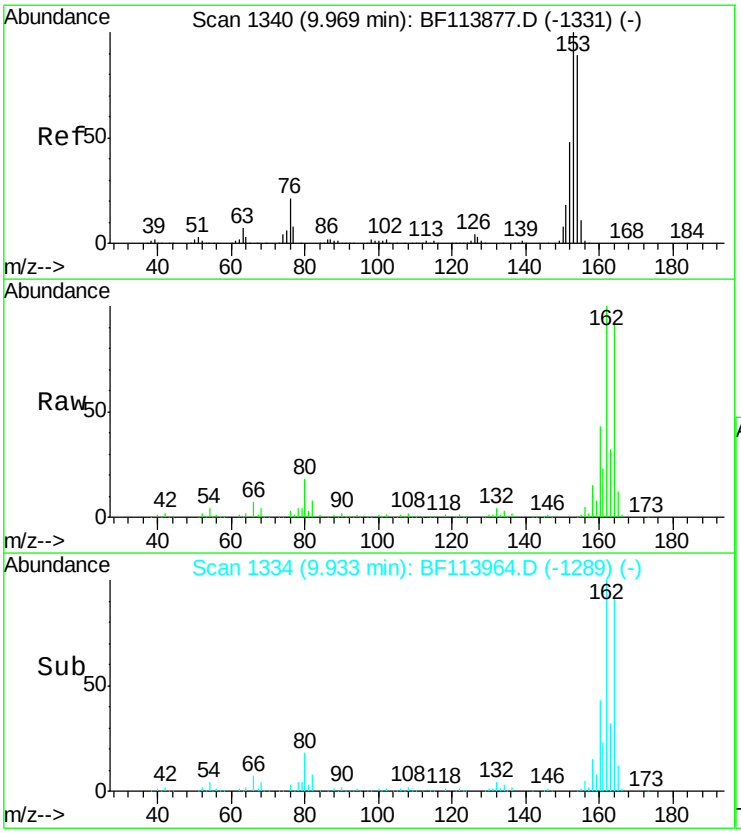

#51
2,6-Dinitrotoluene
Concen: 8.499 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:165 Resp: 30399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 33.8 | 50.8# |
| 89 | 1.4 | 38.2 | 57.2# |

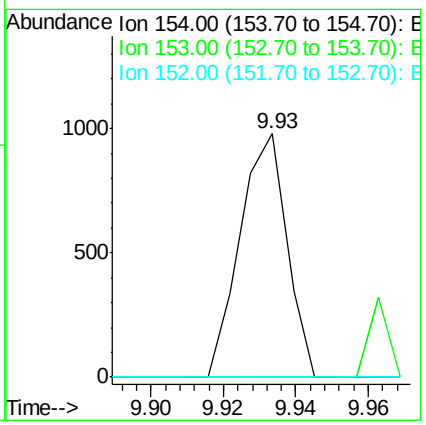


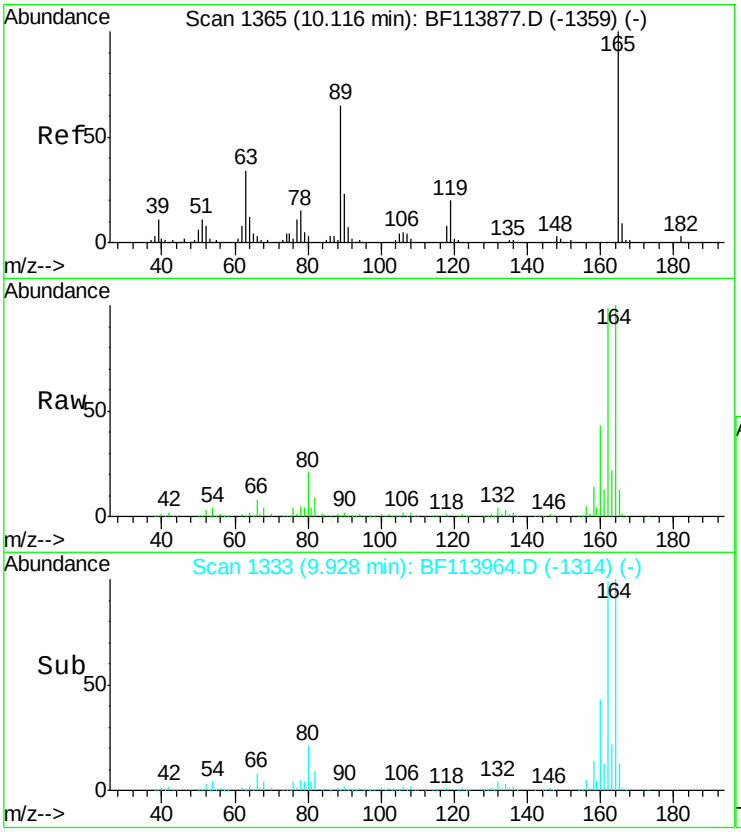




#52
Acenaphthene
Concen: 0.066 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.04 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:154 Resp: 876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 87.2 | 130.8# |
| 152 | 0.0 | 42.3 | 63.5# |



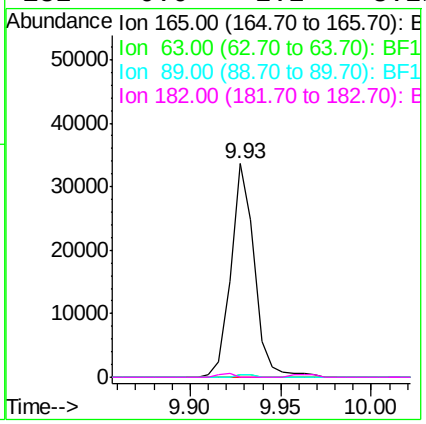


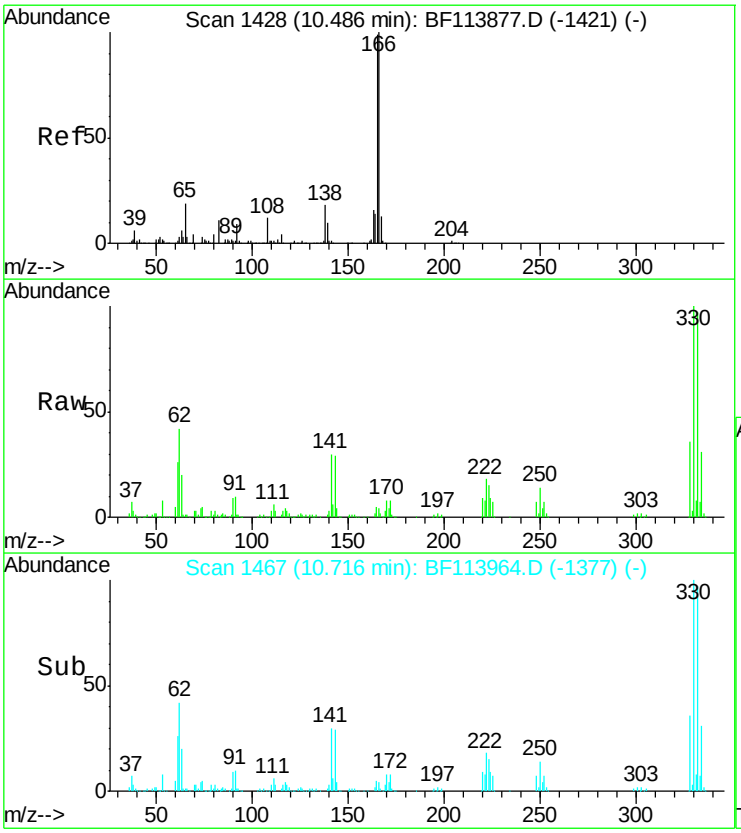

#57
2,4-Dinitrotoluene
Concen: 6.732 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:165 Resp: 30394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 27.4 | 41.0# |
| 89 | 1.4 | 51.8 | 77.6# |
| 182 | 0.0 | 2.2 | 3.2# |

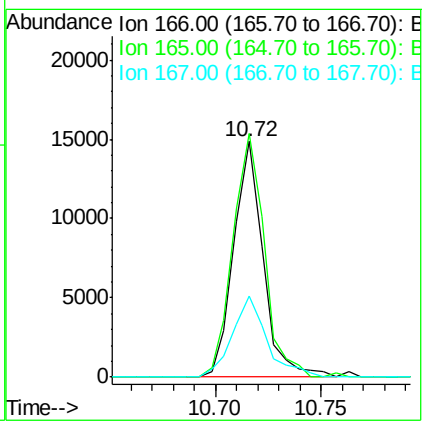


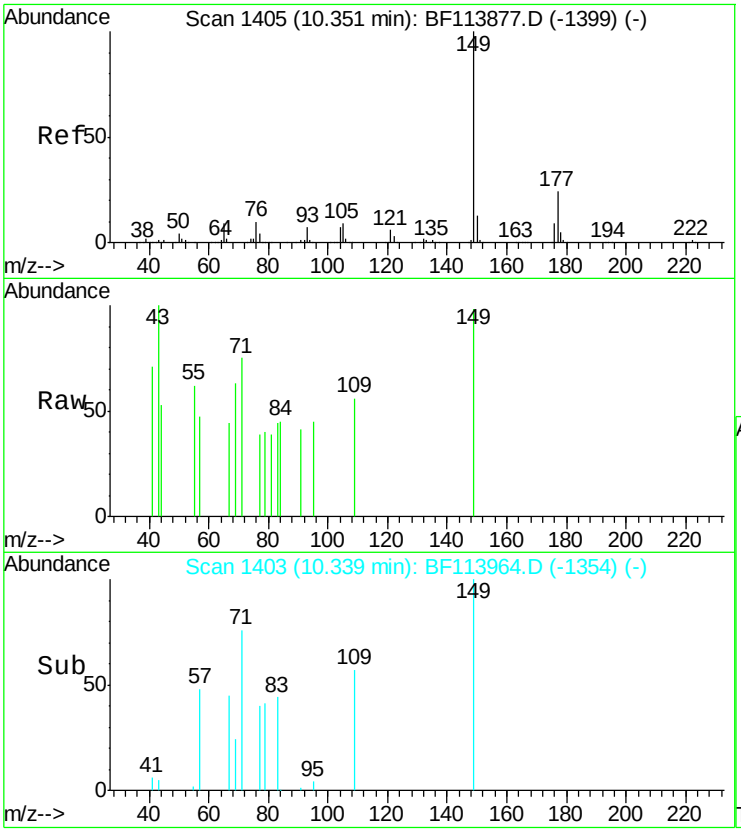




#58
Fluorene
Concen: 0.960 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.23 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:166 Resp: 14345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 103.3 | 78.4 | 117.6 |
| 167 | 34.3 | 10.9 | 16.3# |



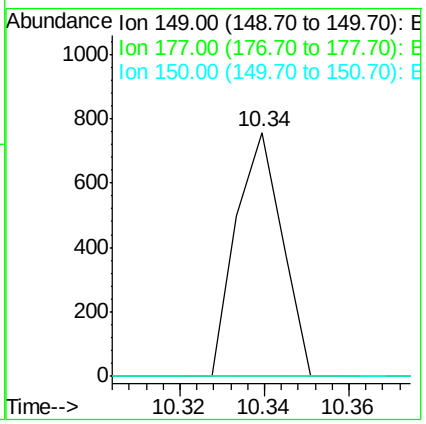


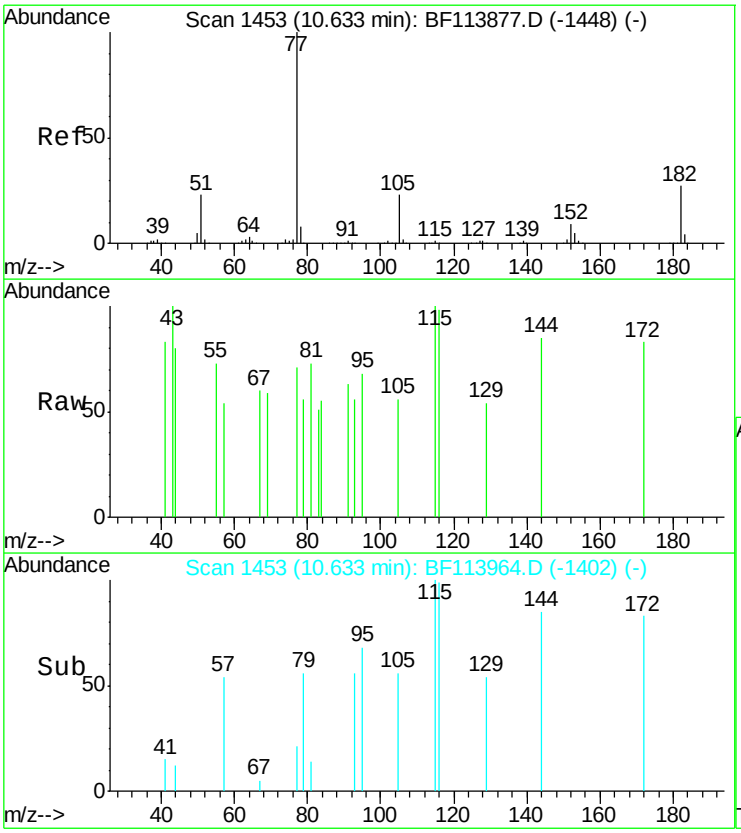

#60
Diethylphthalate
Concen: 0.036 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:149 Resp: 573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 0.0 | 19.2 | 28.8# |
| 150 | 0.0 | 10.3 | 15.5# |

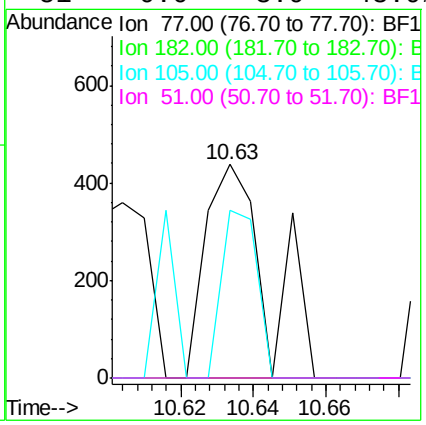


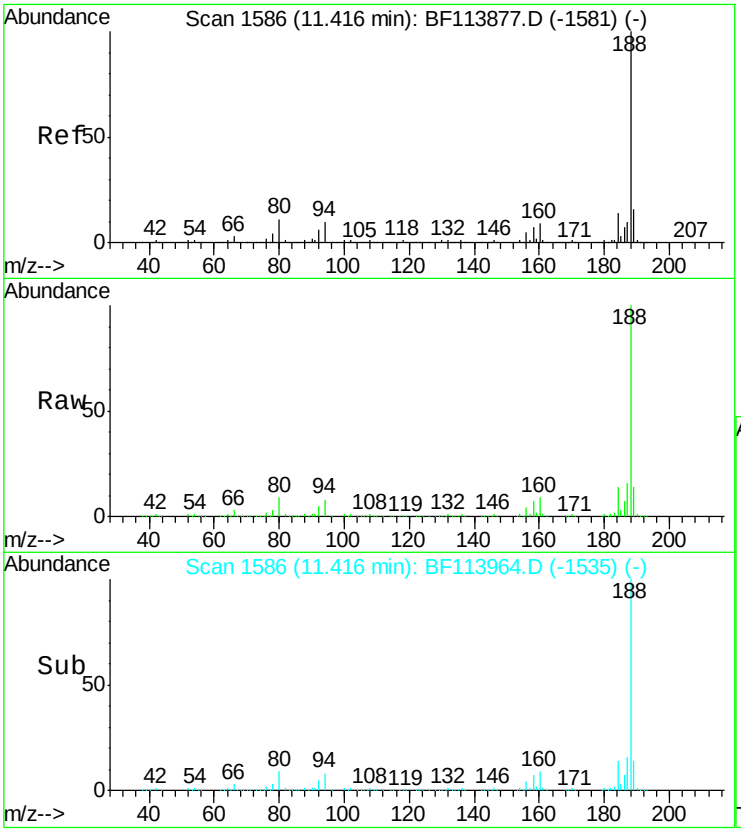




#63
Azobenzene
Concen: 0.034 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 77 Resp: 524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 4.4 | 44.4# |
| 105 | 78.3 | 2.2 | 42.2# |
| 51 | 0.0 | 3.9 | 43.9# |



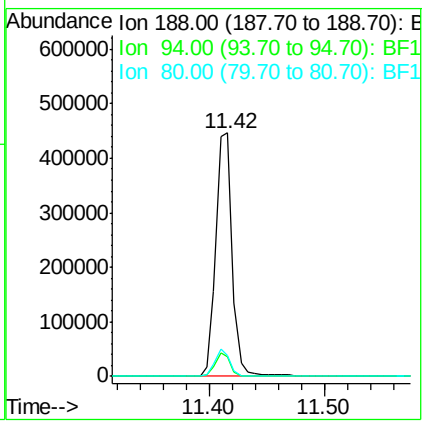


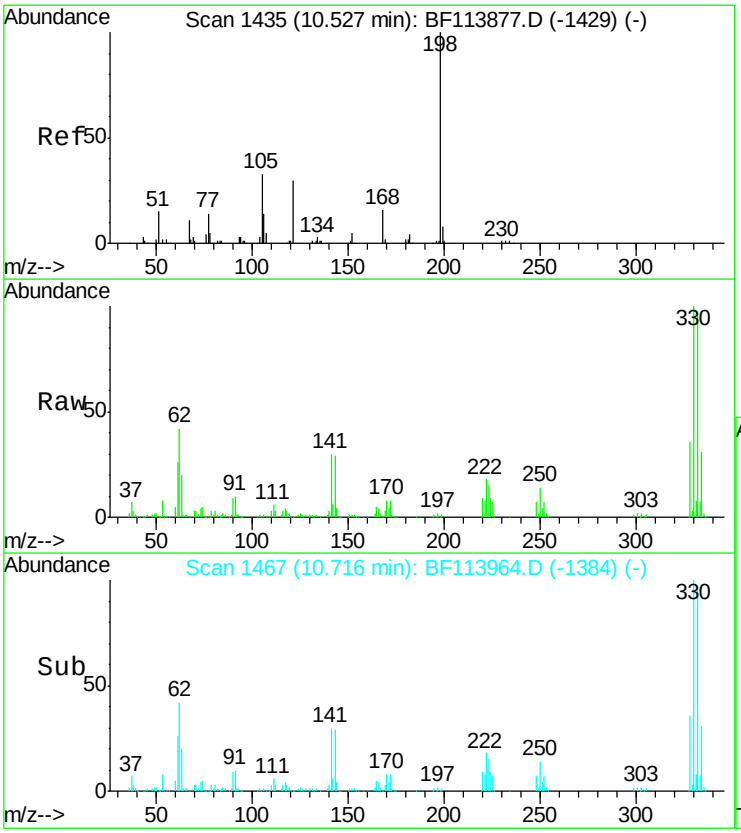

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:188 Resp: 440881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 8.2 | 12.4# |
| 80 | 8.8 | 9.0 | 13.6# |

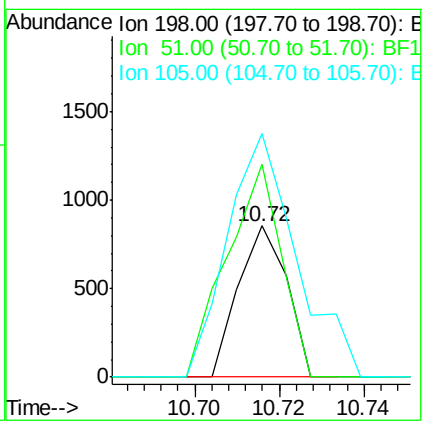


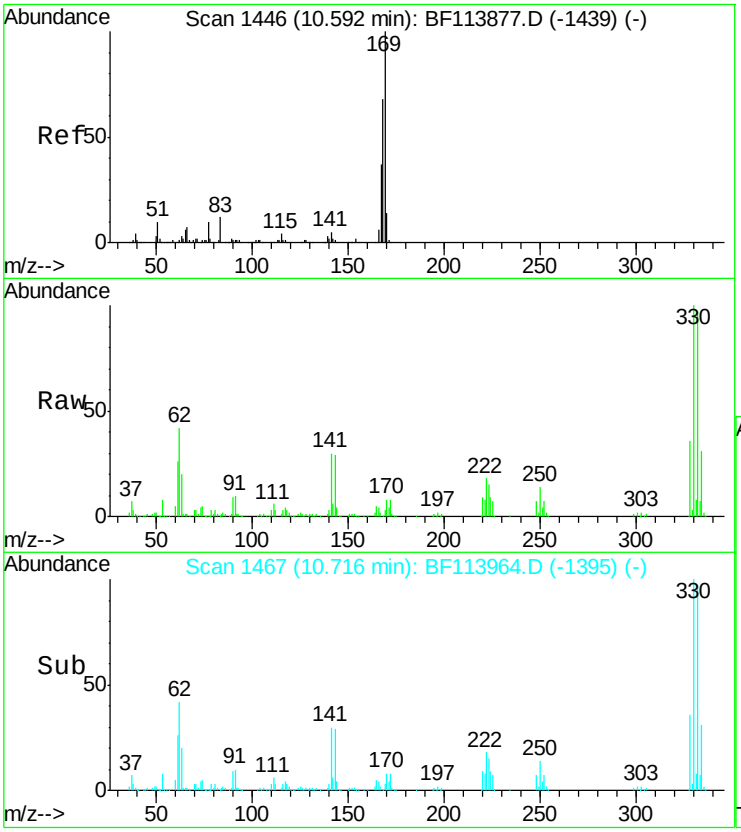




#65
4,6-Dinitro-2-methylphenol
Concen: 7.593 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:198 Resp: 679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 141.0 | 11.1 | 51.1# |
| 105 | 161.0 | 20.7 | 60.7# |



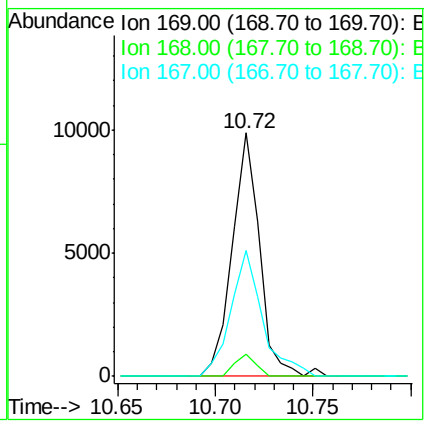


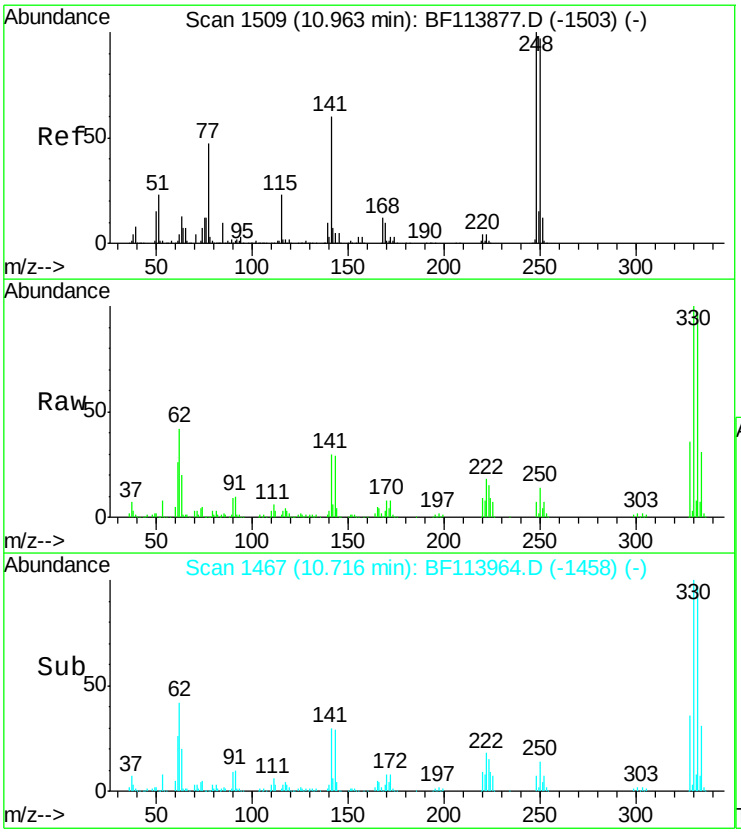

#66
n-Nitrosodiphenylamine
Concen: 0.729 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.12 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:169 Resp: 9650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 9.0 | 54.3 | 81.5# |
| 167 | 51.6 | 29.4 | 44.0# |

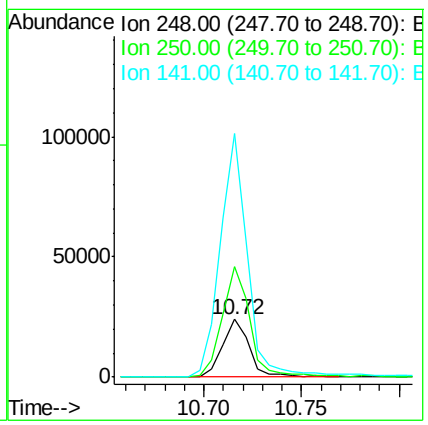


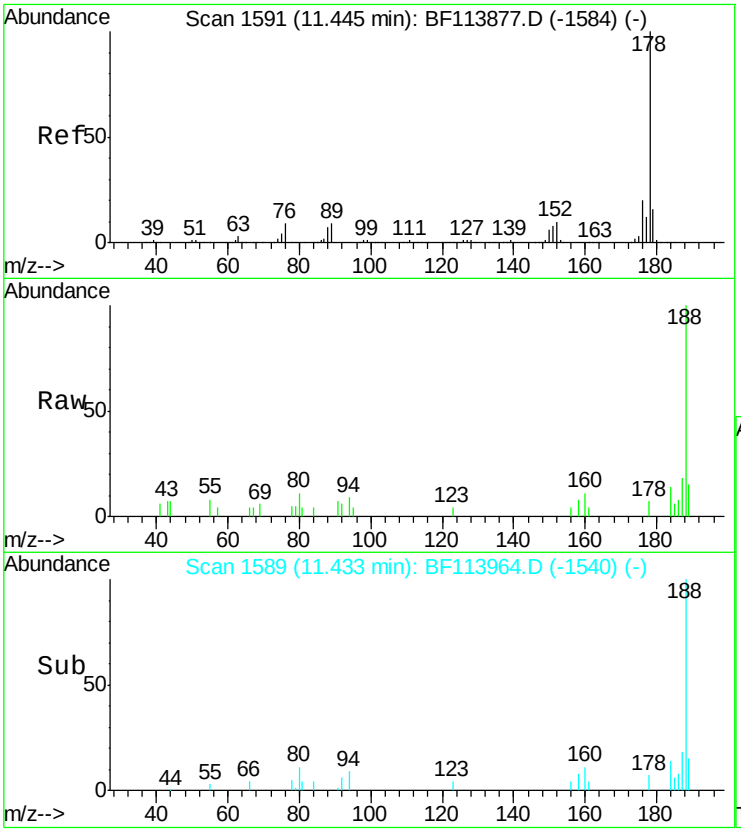




#67
4-Bromophenyl-phenylether
Concen: 4.321 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:248 Resp: 23014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 190.2 | 75.8 | 113.6# |
| 141 | 420.8 | 50.2 | 75.4# |



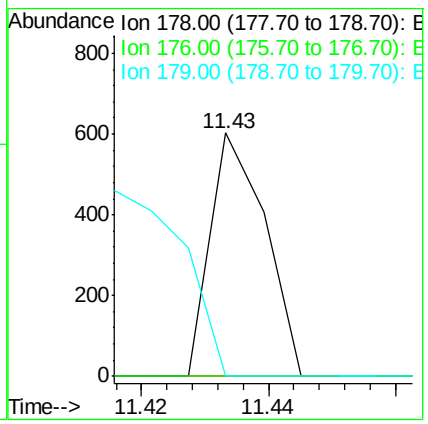


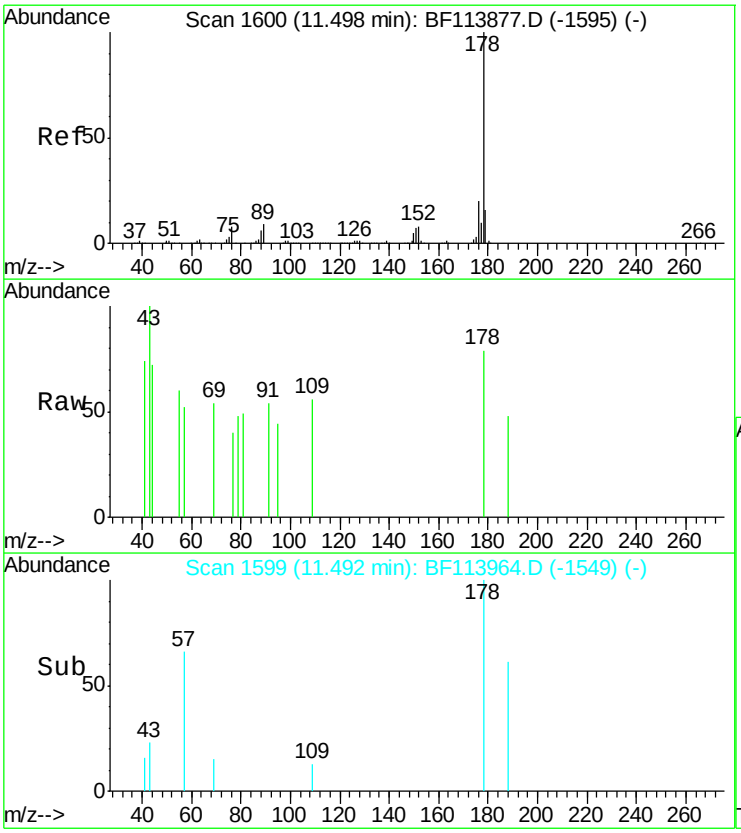

#71
Phenanthrene
Concen: 0.016 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:178 Resp: 357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 16.1 | 24.1# |
| 179 | 0.0 | 12.8 | 19.2# |

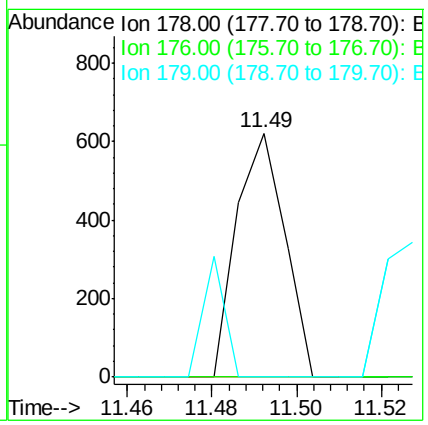


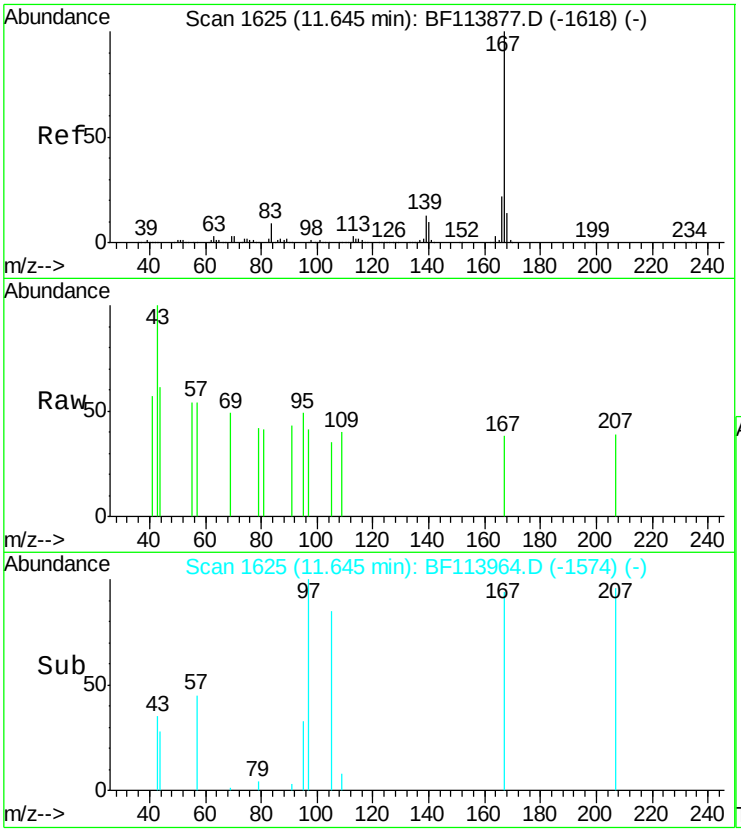




#72
Anthracene
Concen: 0.022 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:178 Resp: 491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 15.7 | 23.5# |
| 179 | 0.0 | 13.0 | 19.4# |



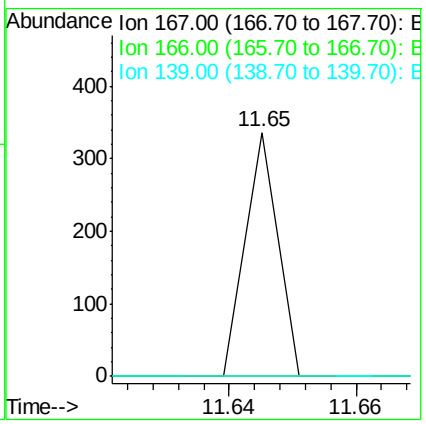


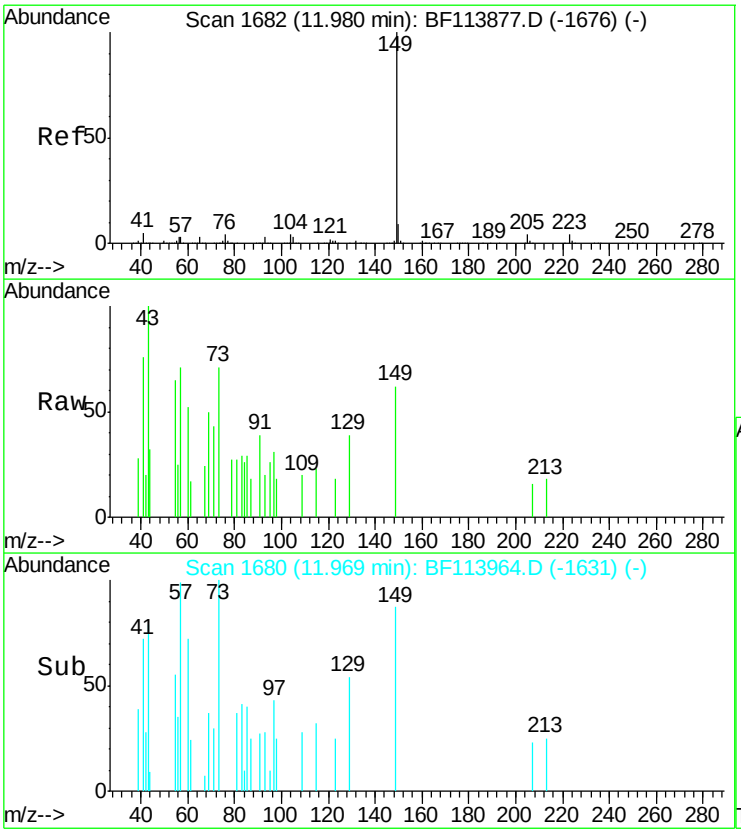

#73
Carbazole
Concen: 0.006 ng
RT: 11.65 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:167 Resp: 119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 0.0 | 17.7 | 26.5# |
| 139 | 0.0 | 10.0 | 15.0# |

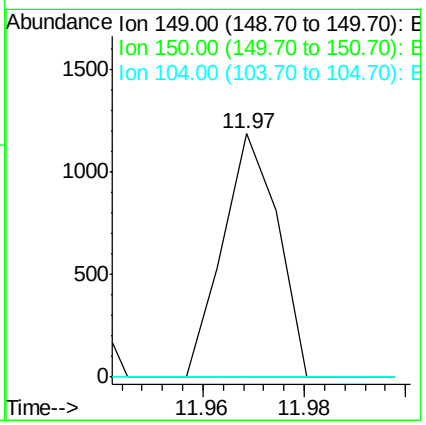


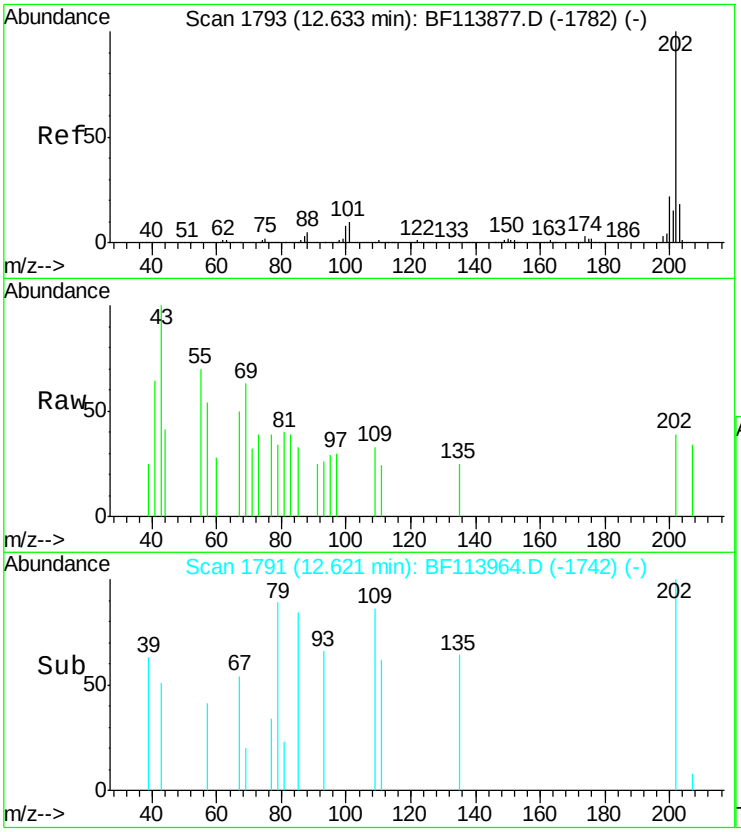




#74
Di-n-butylphthalate
Concen: 0.038 ng
RT: 11.97 min Scan# 1680
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:149 Resp: 895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.8 | 11.8# |
| 104 | 0.0 | 3.8 | 5.8# |



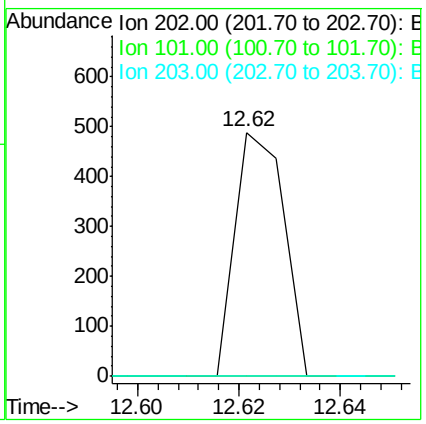


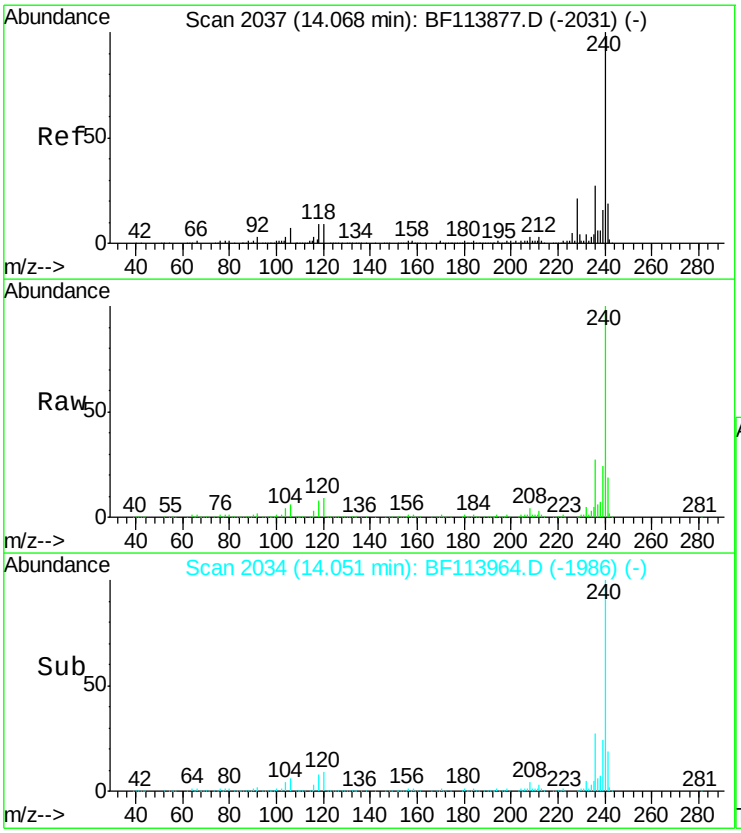

#75
Fluoranthene
Concen: 0.014 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:202 Resp: 327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 32.9 |
| 203 | 0.0 | 0.0 | 38.2 |

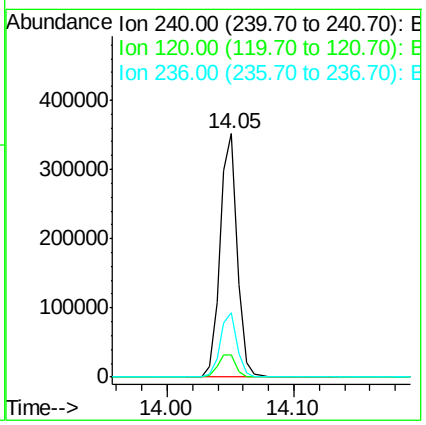


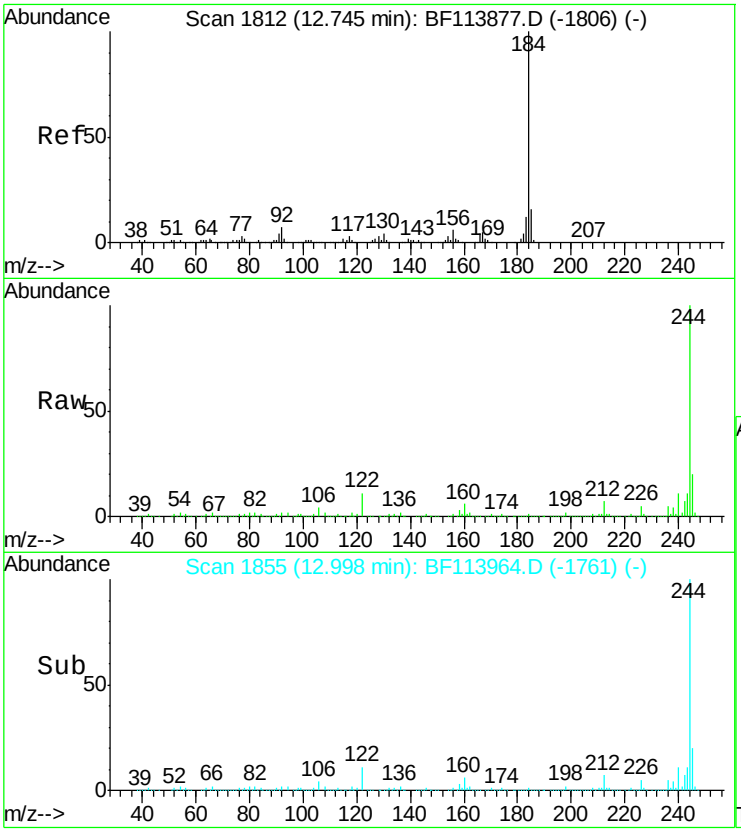




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:240 Resp: 332546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.2 | 9.3 | 13.9# |
| 236 | 26.6 | 21.2 | 31.8 |



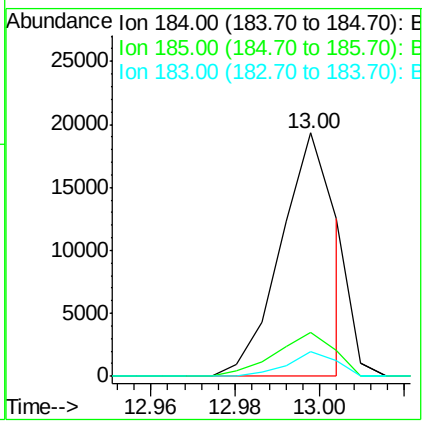


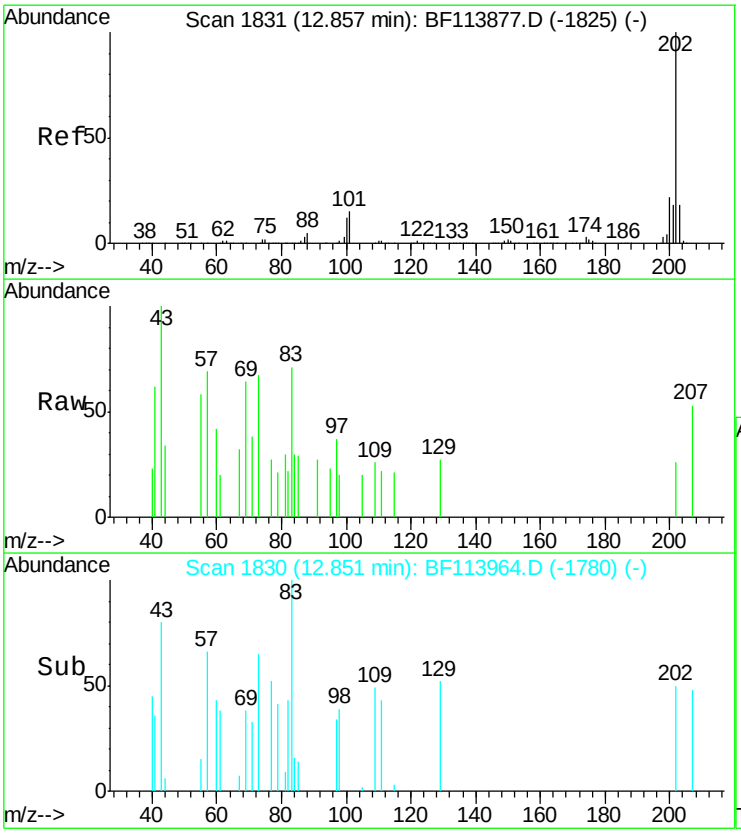

#77
Benzidine
Concen: 1.760 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:184 Resp: 17442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.8 | 13.0 | 19.6 |
| 183 | 10.3 | 9.4 | 14.0 |

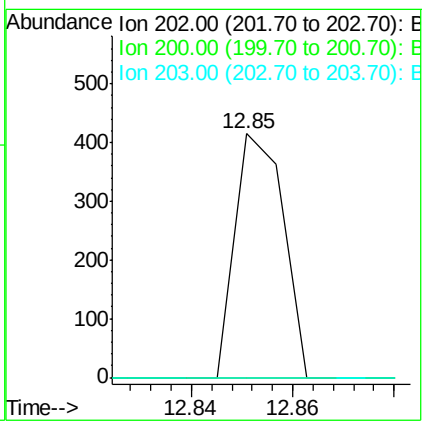


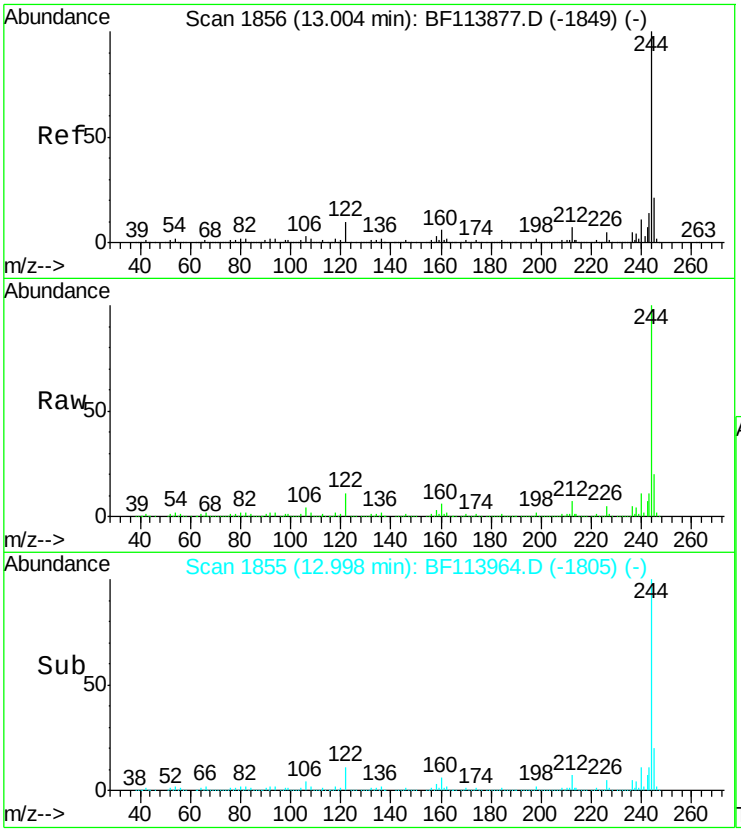




#78
Pyrene
Concen: 0.012 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:202 Resp: 274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 17.7 | 26.5# |
| 203 | 0.0 | 15.0 | 22.6# |



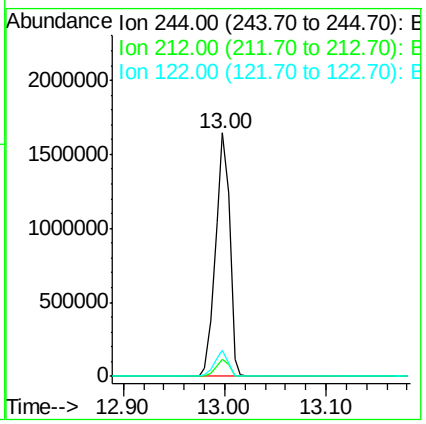


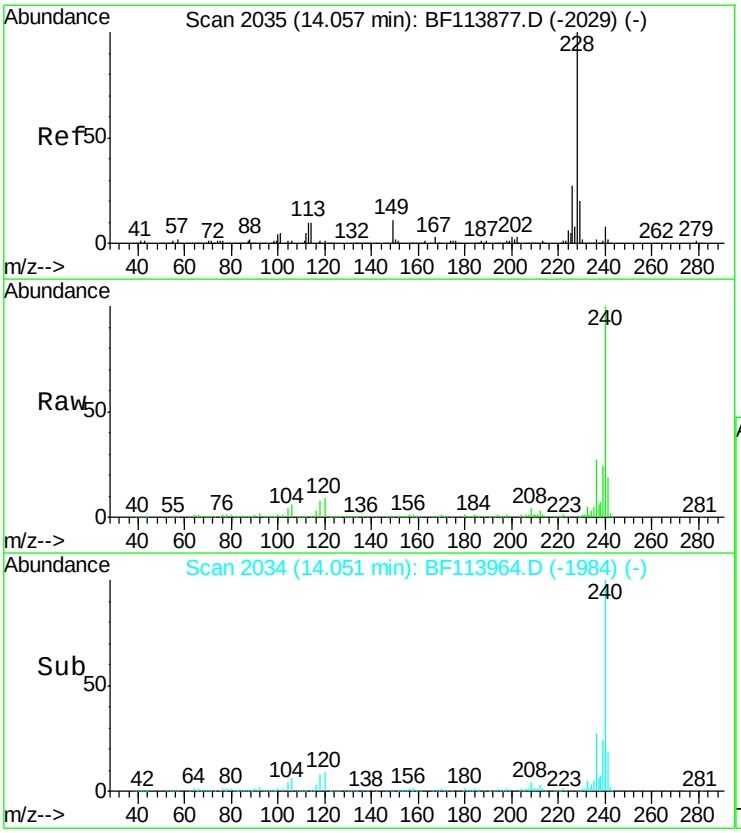

#79
Terphenyl-d14
Concen: 97.971 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:244 Resp: 1589165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.2 |
| 122 | 10.9 | 7.6 | 11.4 |

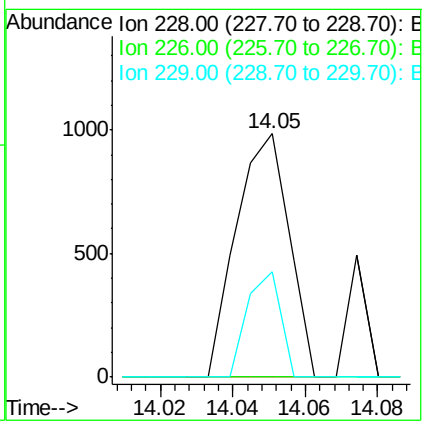


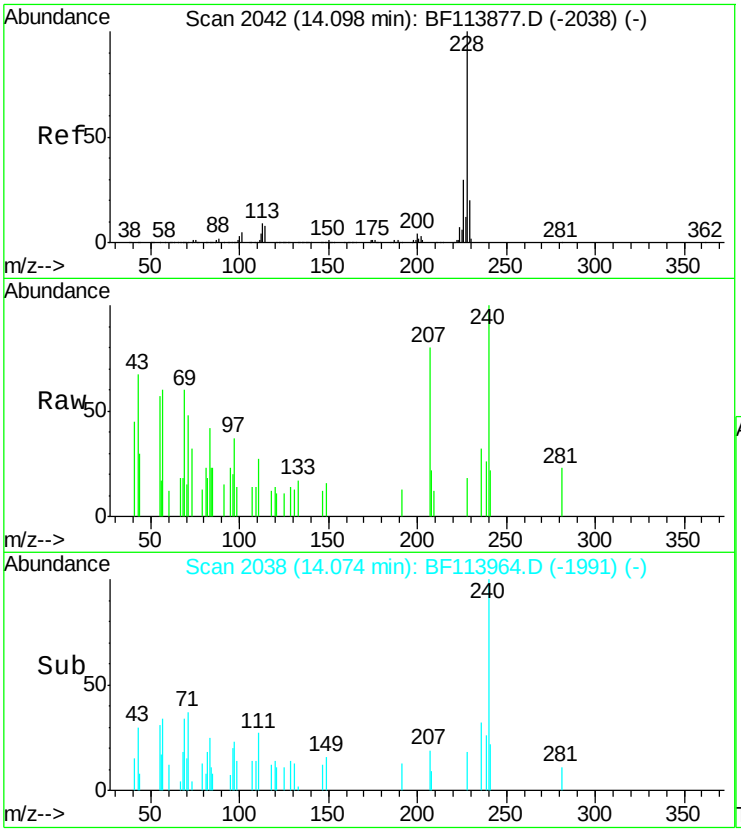




#81
Benzo(a)anthracene
Concen: 0.051 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:228 Resp: 996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 22.2 | 33.2# |
| 229 | 43.4 | 16.0 | 24.0# |



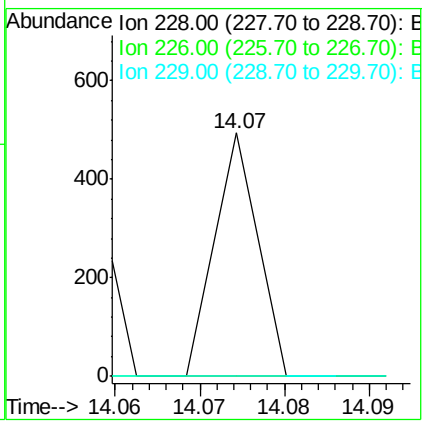


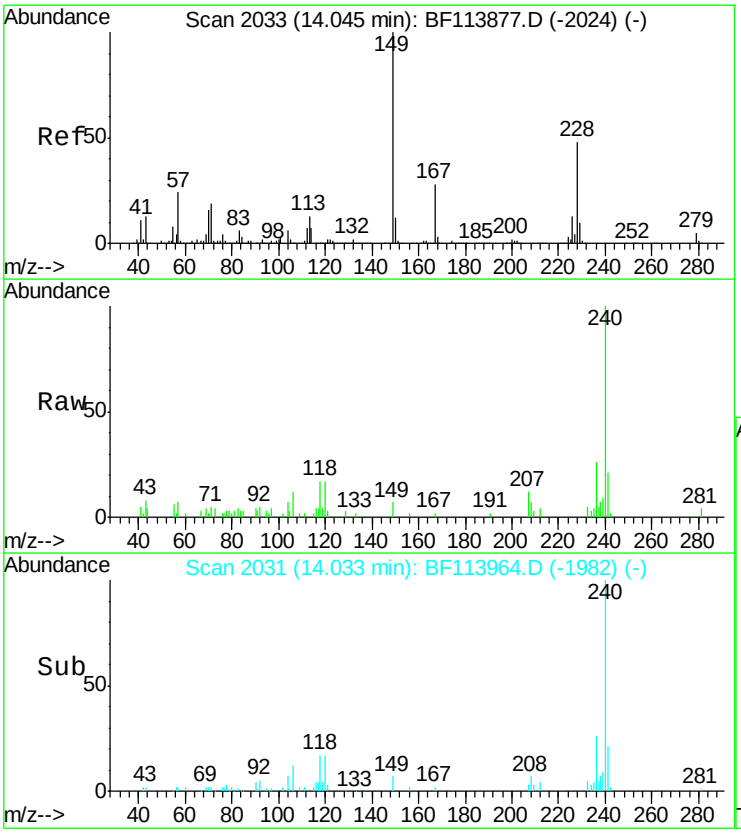

#83
Chrysene
Concen: 0.009 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:228 Resp: 174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 25.2 | 37.8# |
| 229 | 0.0 | 16.7 | 25.1# |

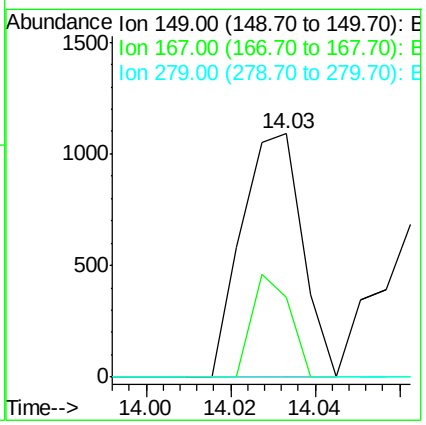


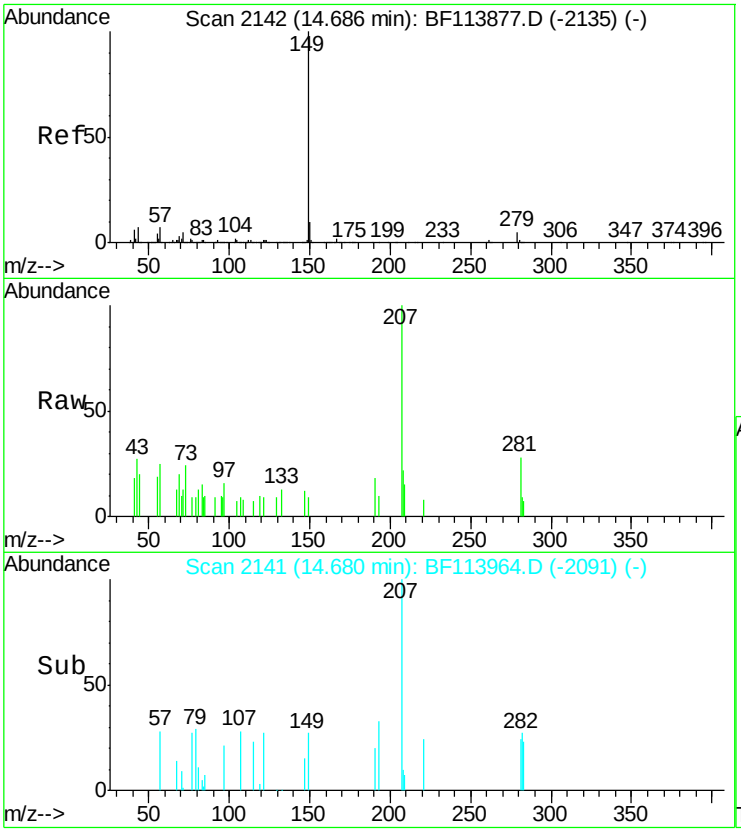




#84
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:149 Resp: 1091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.8 | 22.9 | 34.3 |
| 279 | 0.0 | 4.2 | 6.2# |



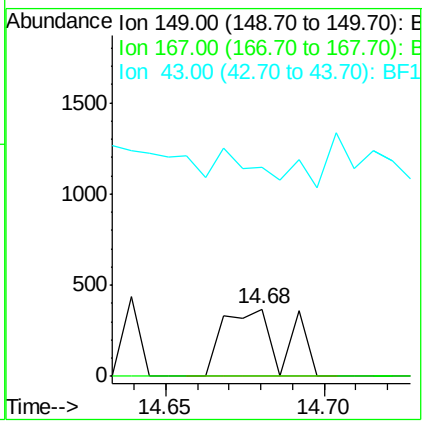


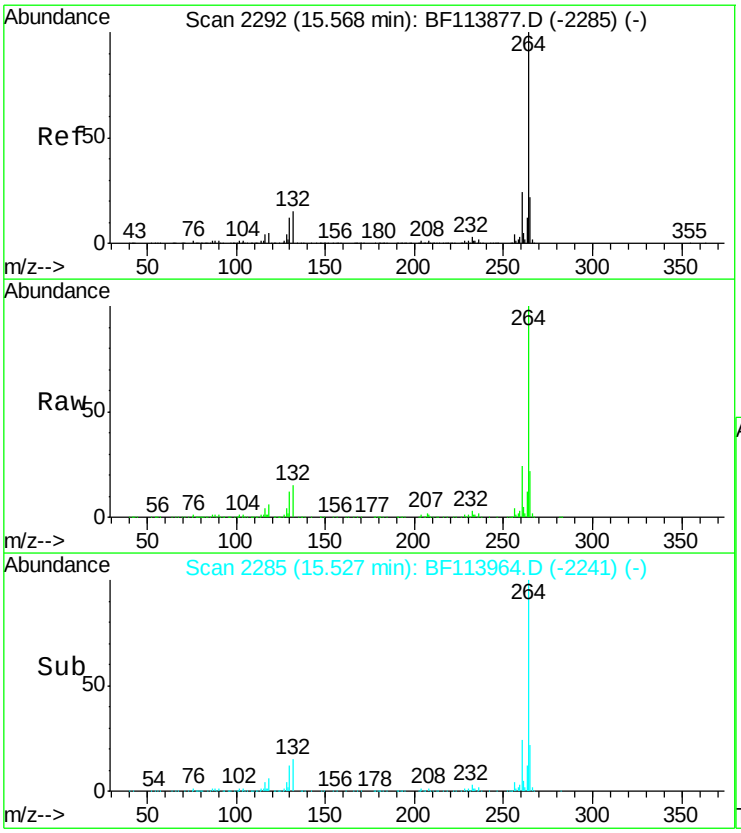

#85
Di-n-octyl phthalate
Concen: 0.027 ng
RT: 14.68 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:149 Resp: 486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.3 | 1.9# |
| 43 | 0.0 | 6.6 | 10.0# |

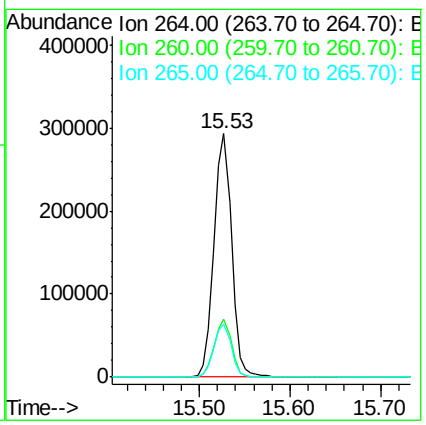


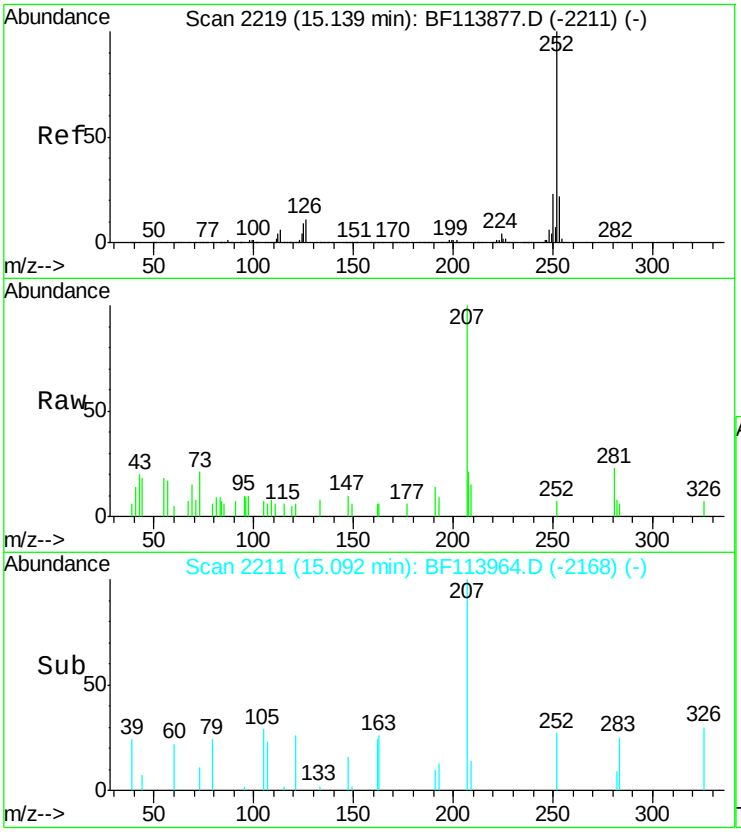




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.04 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:264 Resp: 395382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.9 | 28.3 |
| 265 | 21.7 | 17.3 | 25.9 |



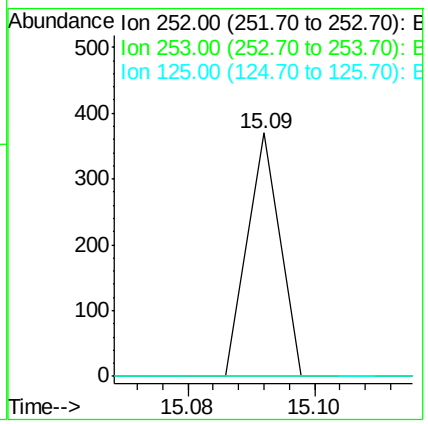


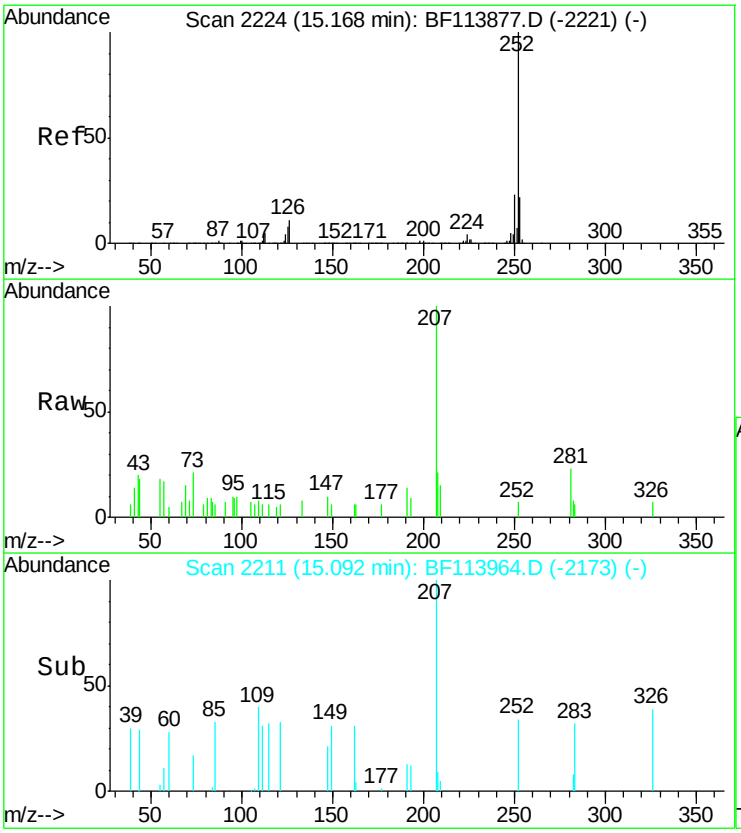

#88
Benzo(b)fluoranthene
Concen: 0.005 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.05 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:252 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 17.8 | 26.6# |
| 125 | 0.0 | 7.0 | 10.6# |

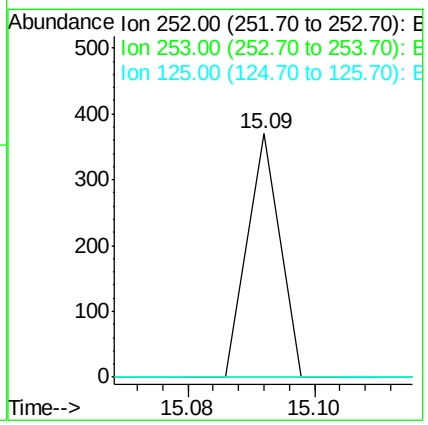


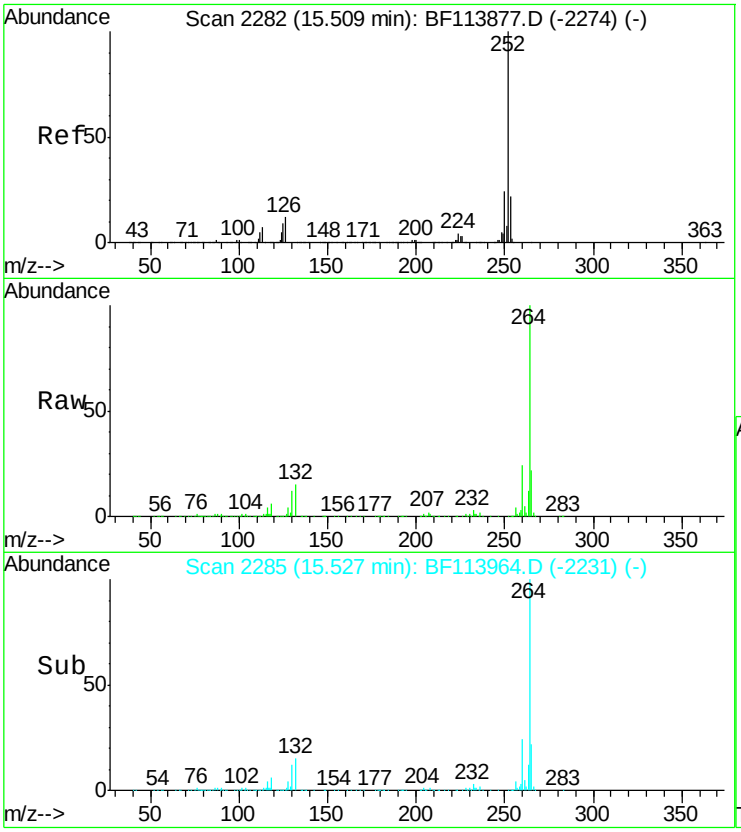




#89
Benzo(k)fluoranthene
Concen: 0.006 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.08 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:252 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 18.2 | 27.2# |
| 125 | 0.0 | 7.4 | 11.2# |






#90
Benzo(a)pyrene
Concen: 0.056 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

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

Tgt Ion:252 Resp: 1208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 44.9 | 17.5 | 26.3# |
| 125 | 33.2 | 8.5 | 12.7# |