Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110216.D
Acq On : 26 Oct 2018 18:12
Operator : JU/SJ
Sample : J5658-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-TS-001MSD

**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:42 AM

Quant Time: Oct 29 06:57:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 153689 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.25 | 136 | 579484 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 10.02 | 164 | 235122 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.50 | 188 | 356660 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.16 | 240 | 255925 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.68 | 264 | 178338 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 1284560 | 136.11 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 1620345 | 134.23 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1008857 | 103.26 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.81 | 330 | 280916 | 120.61 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.33 | 172 | 1502150 | 100.32 | ng | | -0.01 |
| 79) Terphenyl-d14 | 13.09 | 244 | 1029813 | 83.69 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.89 | 88 | 120984 | 24.468 | ng | | 91 |
| 3) Pyridine | 3.67 | 79 | 359501 | 32.642 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 3.62 | 42 | 191597 | 41.524 | ng | | 91 |
| 6) Aniline | 6.65 | 93 | 278950 | 17.739 | ng | # | 52 |
| 8) 2-Chlorophenol | 6.76 | 128 | 395592 | 36.357 | ng | | 98 |
| 9) Benzaldehyde | 6.52 | 77 | 191047 | 24.366 | ng | | 97 |
| 10) Phenol | 6.62 | 94 | 640780 | 49.659 | ng | # | 63 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 367222 | 34.591 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 416922 | 34.818 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 419788 | 34.663 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 385913 | 34.327 | ng | | 97 |
| 15) Benzyl Alcohol | 7.11 | 79 | 349013 | 37.591 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 601392 | 35.431 | ng | | 69 |
| 17) 2-Methylphenol | 7.22 | 107 | 327591 | 37.777 | ng | # | 81 |
| 18) Hexachloroethane | 7.48 | 117 | 138784 | 31.301 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 271426 | 35.048 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 409416 | 36.525 | ng | | 94 |
| 22) Acetophenone | 7.38 | 105 | 532383 | 39.871 | ng | | 97 |
| 24) Nitrobenzene | 7.56 | 77 | 400509 | 39.707 | ng | | 94 |
| 25) Isophorone | 7.79 | 82 | 734242 | 44.088 | ng | | 95 |
| 26) 2-Nitrophenol | 7.87 | 139 | 194917 | 40.608 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 356378 | 44.782 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93 | 470061 | 41.549 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 320344 | 39.844 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.19 | 180 | 341344 | 37.903 | ng | | 95 |
| 31) Naphthalene | 8.27 | 128 | 1093924 | 40.959 | ng | | 99 |
| 32) Benzoic acid | 7.96 | 122 | 15039 | 2.445 | ng | | 88 |
| 33) 4-Chloroaniline | 8.32 | 127 | 122135 | 10.161 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.39 | 225 | 187106 | 37.419 | ng | | 99 |
| 35) Caprolactam | 8.69 | 113 | 97257m | 34.707 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 333514 | 38.361 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 726458 | 41.111 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.07 | 142 | 677751 | 39.689 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 302722 | 41.322 | ng | | 99 |

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Acq On : 26 Oct 2018 18:12
Operator : JU/SJ
Sample : J5658-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:42 AM

Quant Time: Oct 29 06:57:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.12 | 237 | 110545 | 29.510 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.25 | 196 | 203444 | 43.056 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 9.29 | 196 | 209091 | 41.863 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.43 | 154 | 843450 | 39.669 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.46 | 162 | 636023 | 40.780 | ng | | 98 |
| 48) 2-Nitroaniline | 9.56 | 65 | 205097 | 43.396 | ng | | 93 |
| 49) Acenaphthylene | 9.88 | 152 | 950430 | 42.192 | ng | | 98 |
| 50) Dimethylphthalate | 9.73 | 163 | 978970 | 56.405 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.80 | 165 | 156468 | 41.852 | ng | | 86 |
| 52) Acenaphthene | 10.05 | 154 | 573214 | 38.465 | ng | | 98 |
| 53) 3-Nitroaniline | 9.97 | 138 | 122155 | 27.476 | ng | | 83 |
| 54) 2,4-Dinitrophenol | 10.07 | 184 | 20797 | 18.285 | ng | | 89 |
| 55) Dibenzofuran | 10.22 | 168 | 803083 | 38.490 | ng | | 97 |
| 56) 4-Nitrophenol | 10.13 | 139 | 322531 | 98.020 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.20 | 165 | 194209 | 40.898 | ng | # | 81 |
| 58) Fluorene | 10.56 | 166 | 608402 | 39.180 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 151172 | 37.133 | ng | # | 94 |
| 60) Diethylphthalate | 10.43 | 149 | 698122 | 41.206 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.55 | 204 | 298150 | 36.396 | ng | | 100 |
| 62) 4-Nitroaniline | 10.58 | 138 | 136405 | 30.848 | ng | | 94 |
| 63) Azobenzene | 10.71 | 77 | 617042 | 36.691 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 21274 | 13.056 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.67 | 169 | 542892 | 46.407 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 11.05 | 248 | 166905 | 43.142 | ng | | 97 |
| 68) Hexachlorobenzene | 11.11 | 284 | 164007 | 39.955 | ng | # | 88 |
| 69) Atrazine | 11.19 | 200 | 157017 | 42.472 | ng | | 99 |
| 70) Pentachlorophenol | 11.30 | 266 | 149749 | 62.563 | ng | | 96 |
| 71) Phenanthrene | 11.53 | 178 | 813660 | 43.600 | ng | | 99 |
| 72) Anthracene | 11.58 | 178 | 808751 | 43.235 | ng | | 99 |
| 73) Carbazole | 11.74 | 167 | 706251 | 38.669 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.05 | 149 | 899802 | 43.621 | ng | | 99 |
| 75) Fluoranthene | 12.72 | 202 | 856567 | 45.226 | ng | | 99 |
| 77) Benzidine | 12.84 | 184 | 300866 | 39.272 | ng | | 97 |
| 78) Pyrene | 12.96 | 202 | 822736 | 44.842 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.56 | 149 | 349329 | 43.865 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.14 | 228 | 689764 | 45.448 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.10 | 252 | 195014 | 36.901 | ng | | 98 |
| 83) Chrysene | 14.18 | 228 | 643784 | 44.660 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 477590 | 44.364 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.73 | 149 | 798586 | 47.708 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 431480 | 36.081 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.23 | 252 | 527374 | 51.209 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.26 | 252 | 492015 | 48.597 | ng | # | 97 |
| 90) Benzo(a)pyrene | 15.62 | 252 | 453717 | 47.880 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.27 | 278 | 341345 | 41.747 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.73 | 276 | 353710 | 43.899 | ng | | 97 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
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Sample : J5658-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 06:57:41 2018
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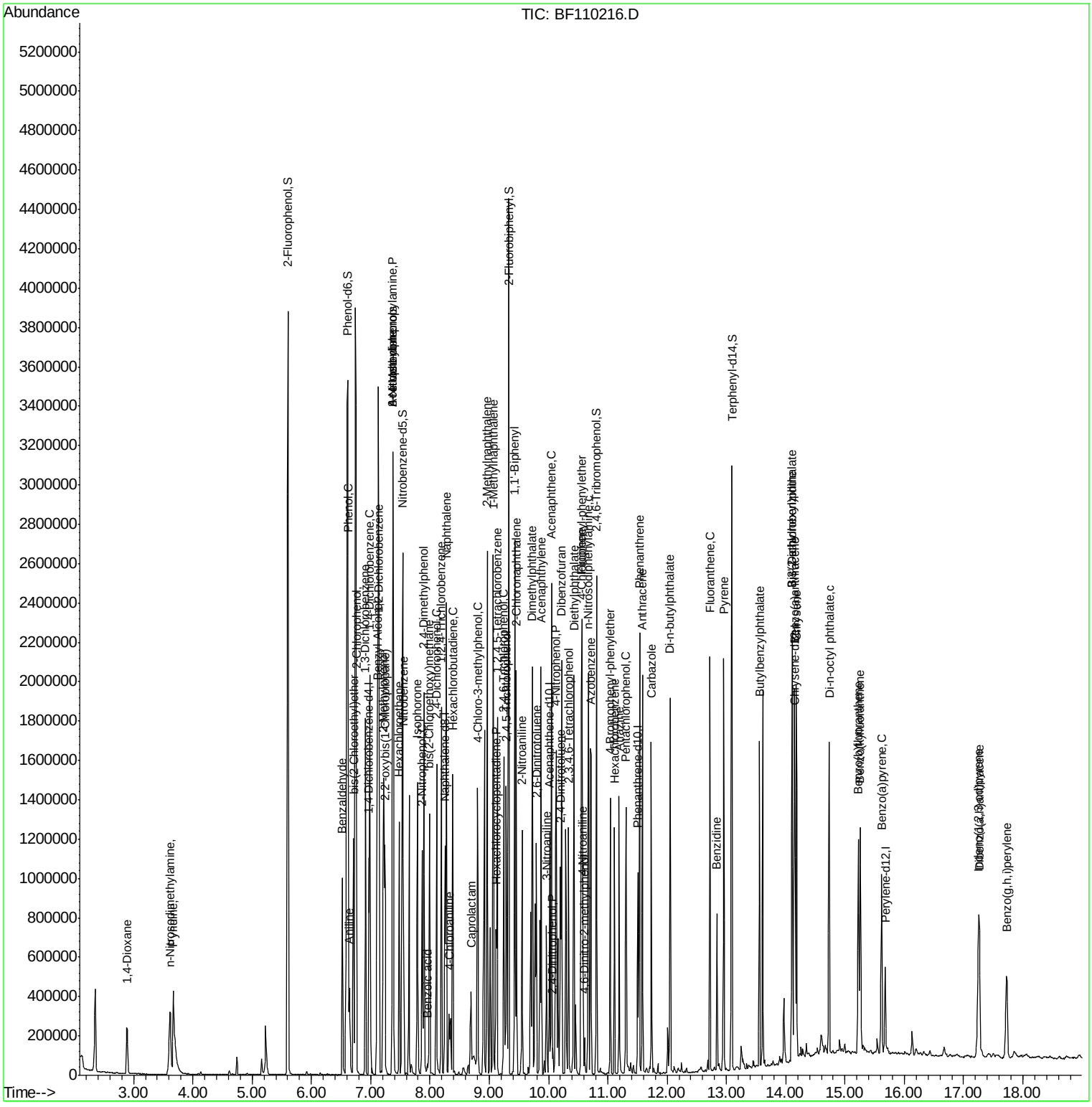
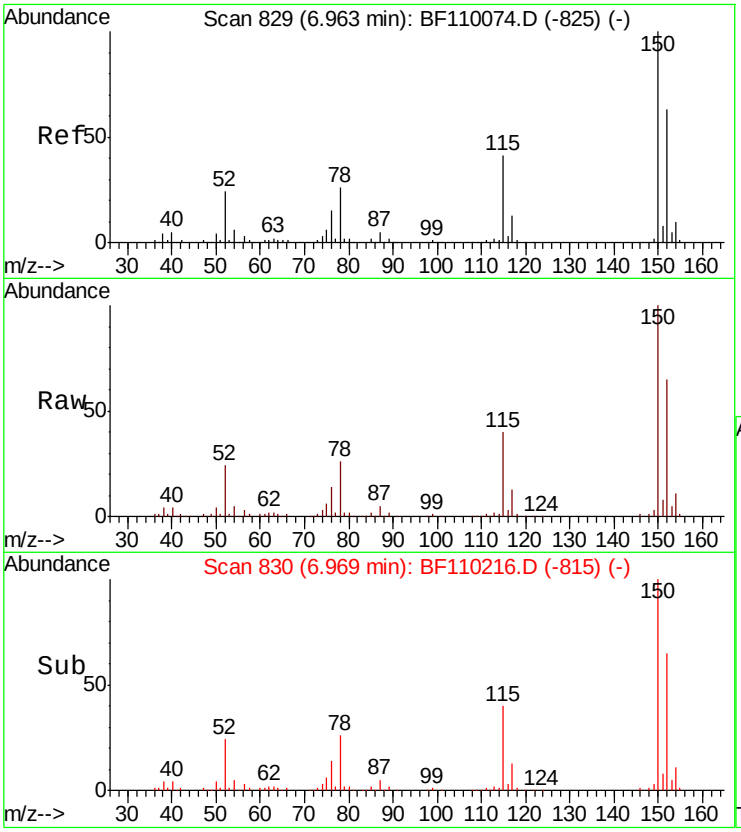
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:42 AM

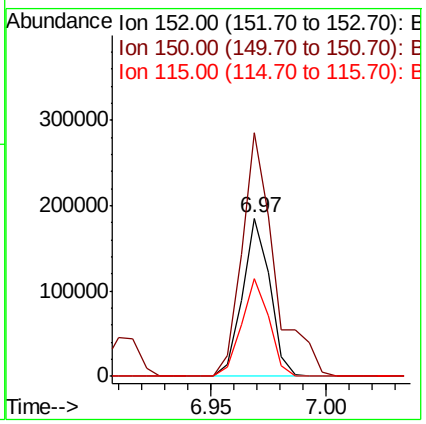





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:152 Resp: 153689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.2 | 122.7 | 184.1 |
| 115 | 62.2 | 49.1 | 73.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
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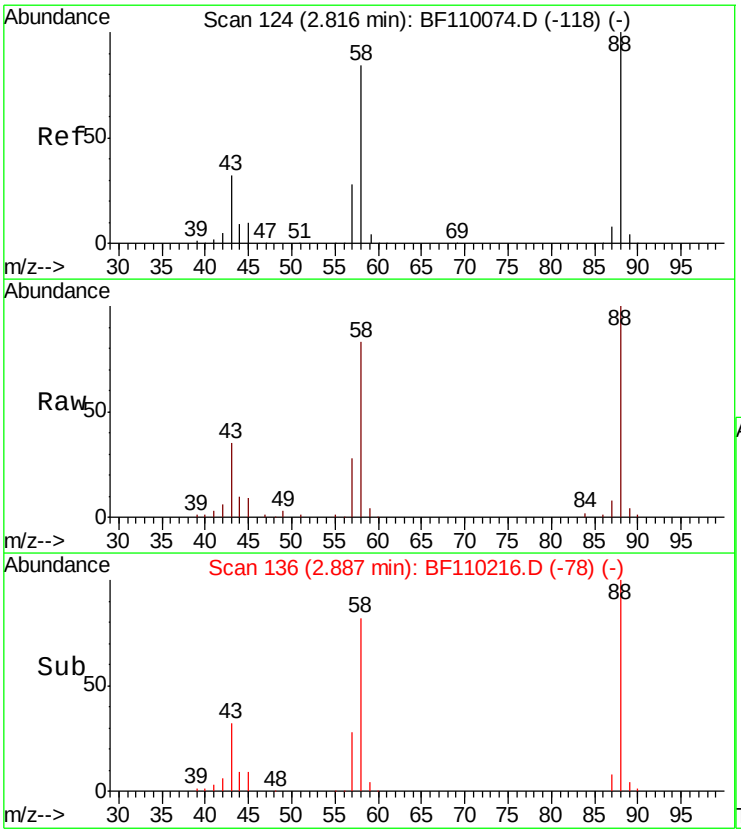
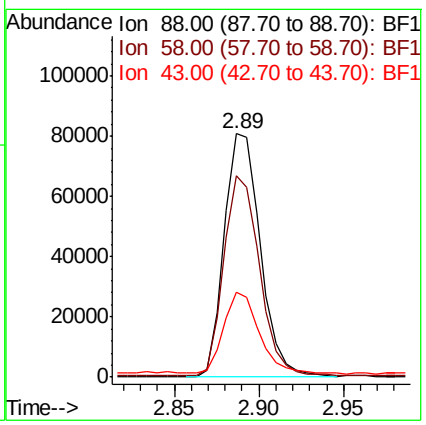
10/29/2018 11:56:42 AM

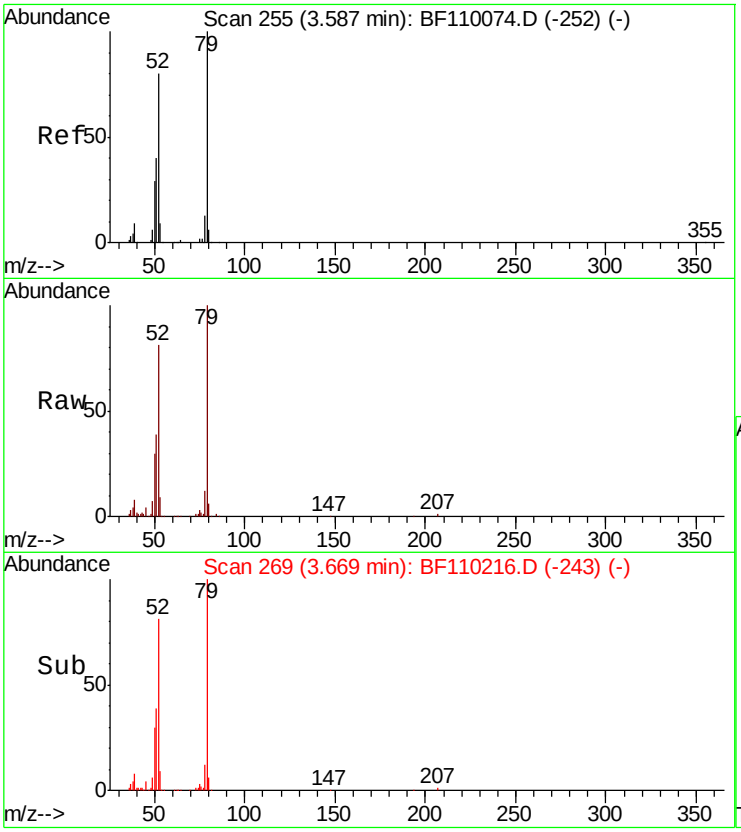



#2
1,4-Dioxane
Concen: 24.468 ng
RT: 2.89 min Scan# 136
Delta R.T. 0.04 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 88 Resp: 120984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 80.6 | 57.1 | 85.7 |
| 43 | 33.0 | 24.1 | 36.1 |






#3
Pyridine
Concen: 32.642 ng
RT: 3.67 min Scan# 269
Delta R.T. 0.05 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 79 Resp: 359501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 80.9 | 53.1 | 79.7# |
| 51 | 39.1 | 27.4 | 41.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
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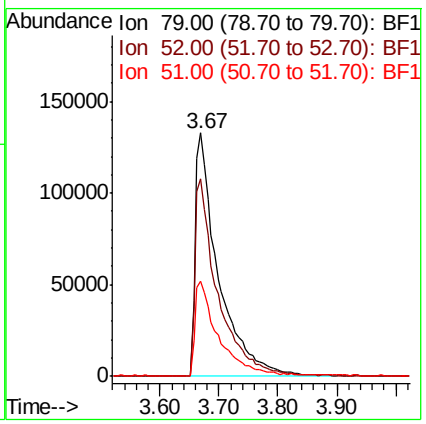
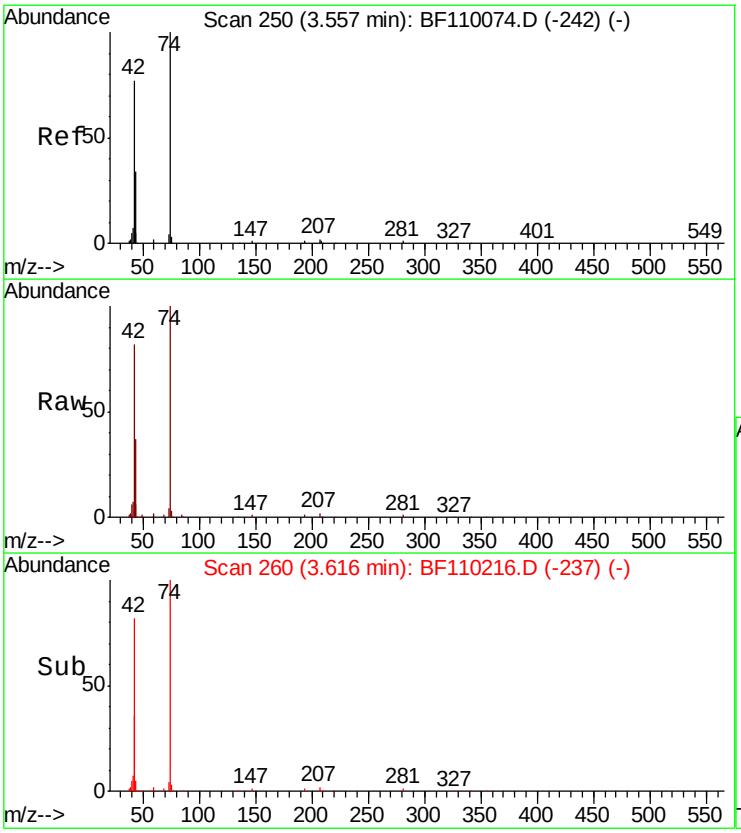
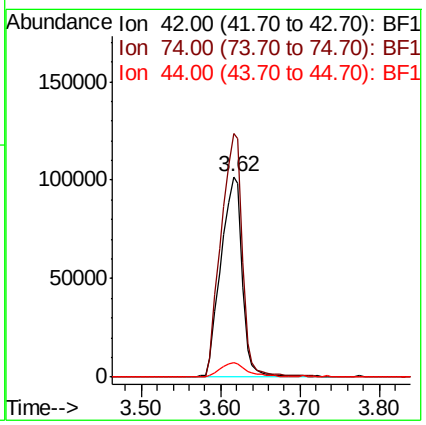


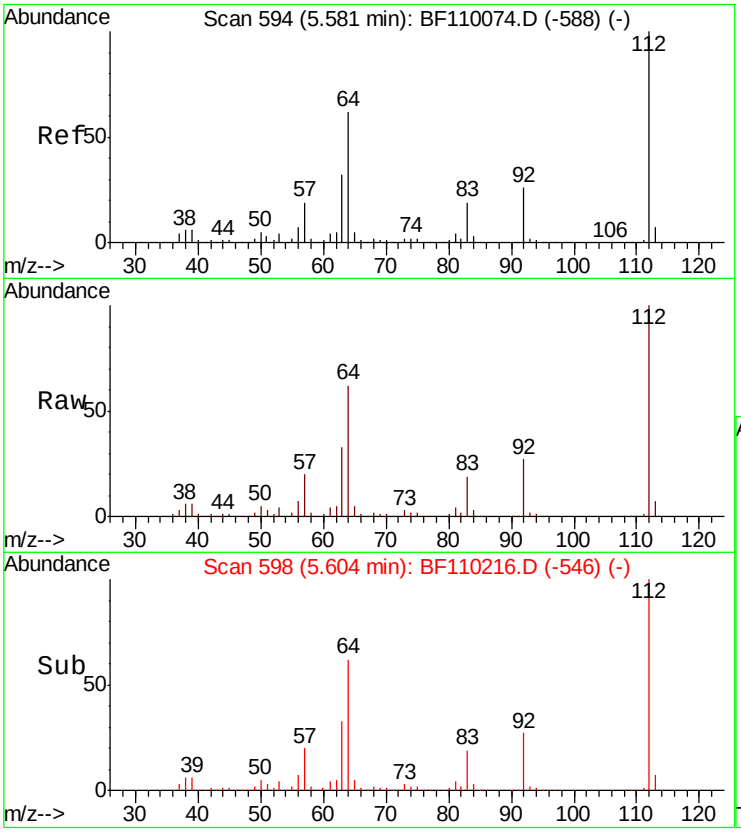




#4
n-Nitrosodimethylamine
Concen: 41.524 ng
RT: 3.62 min Scan# 260
Delta R.T. 0.04 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 42 Resp: 191597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 121.4 | 105.5 | 158.3 |
| 44 | 6.9 | 4.9 | 7.3 |

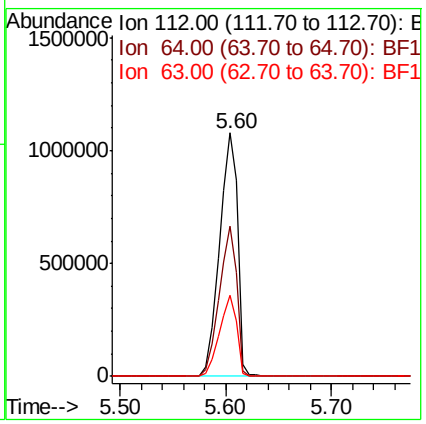





#5
2-Fluorophenol
Concen: 136.109 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

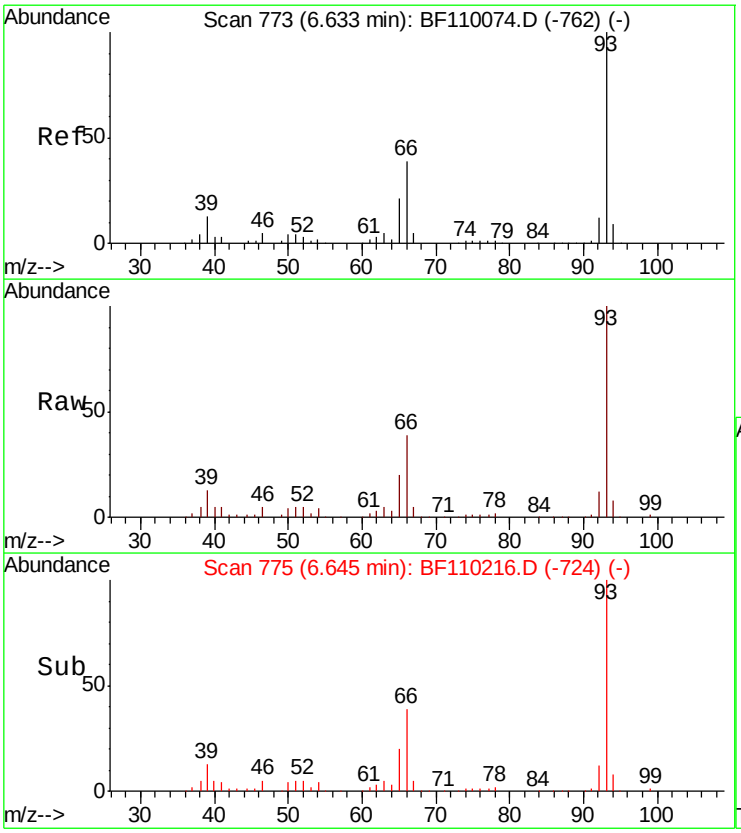
Tgt Ion:112 Resp: 1284560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.8 | 44.1 | 66.1 |
| 63 | 33.0 | 23.7 | 35.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

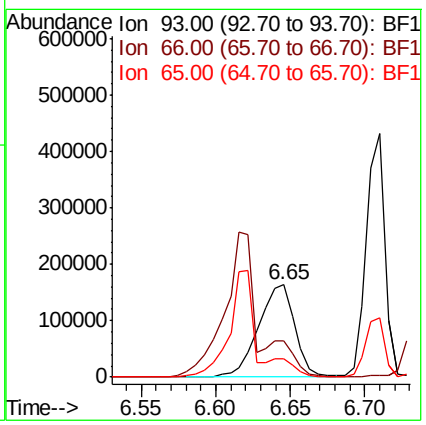
**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:42 AM

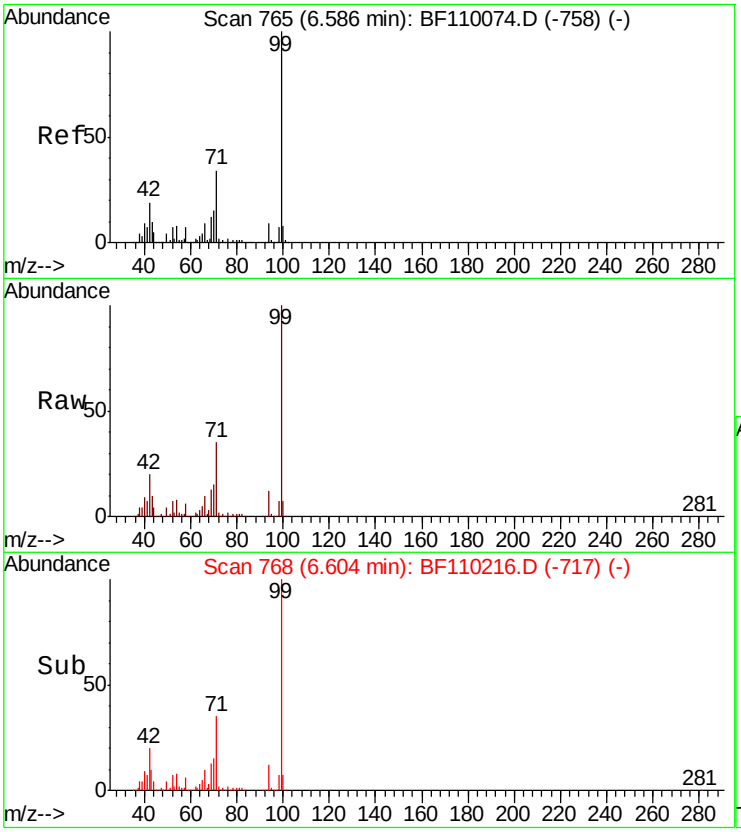



#6
Aniline
Concen: 17.739 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 93 Resp: 278950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.5 | 67.4 | 101.0# |
| 65 | 19.9 | 41.0 | 61.4# |






#7
Phenol-d6
Concen: 134.228 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 99 Resp: 1620345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 15.8 | 23.6 |
| 71 | 35.1 | 28.0 | 42.0 |

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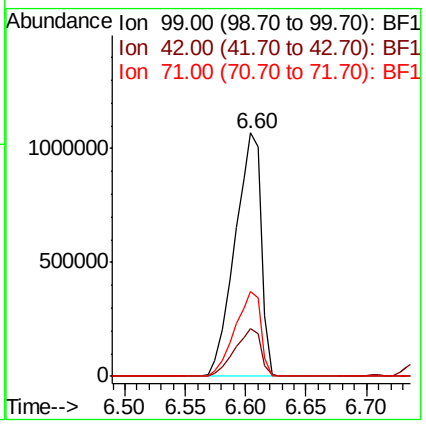
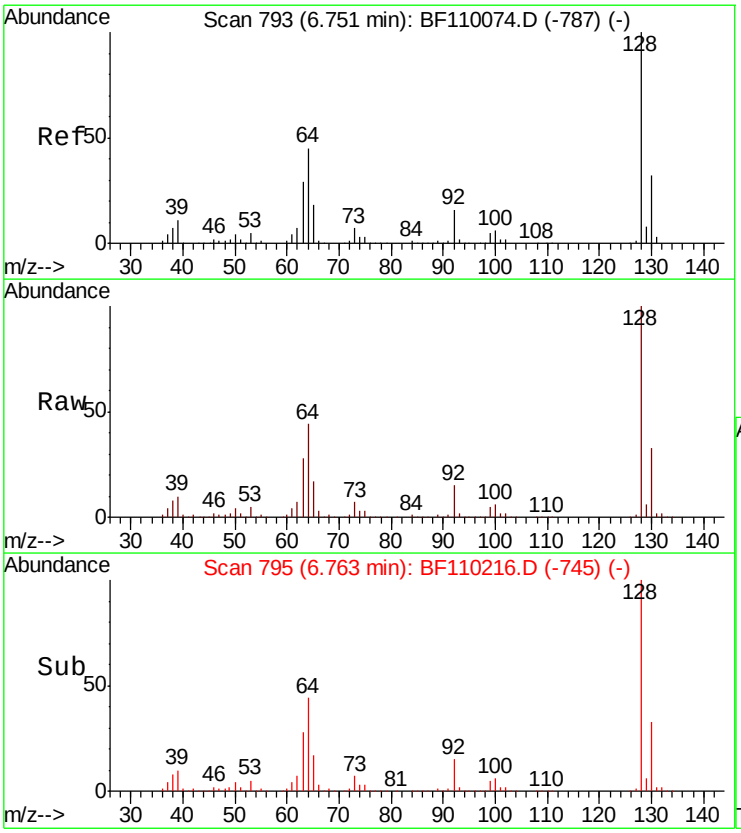
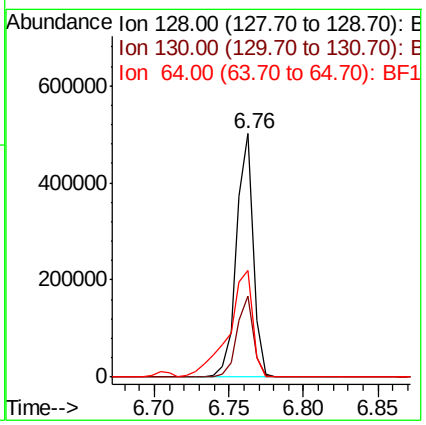


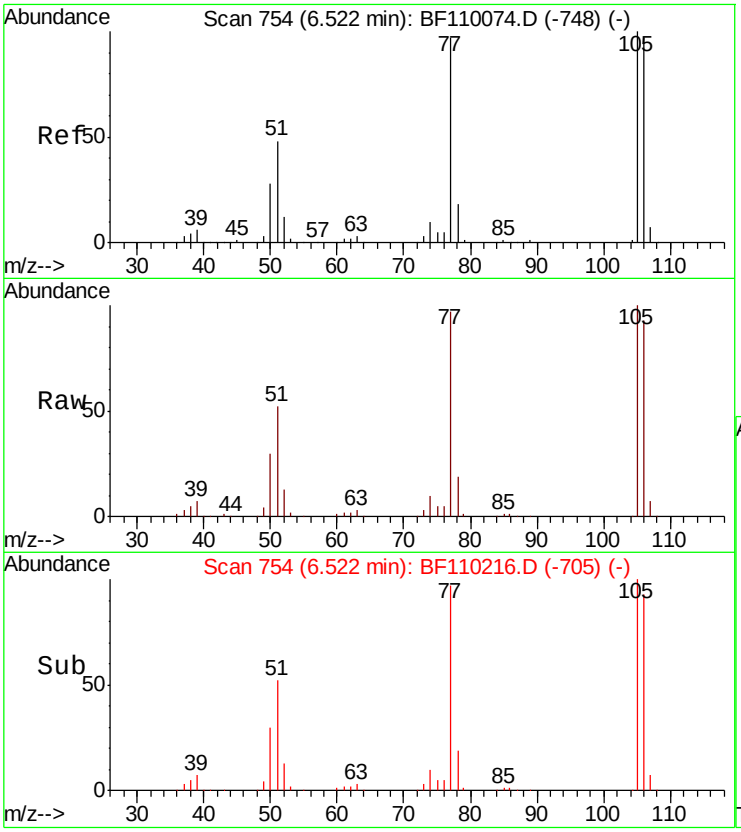




#8
2-Chlorophenol
Concen: 36.357 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:128 Resp: 395592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.4 | 13.1 | 53.1 |
| 64 | 44.0 | 26.0 | 66.0 |

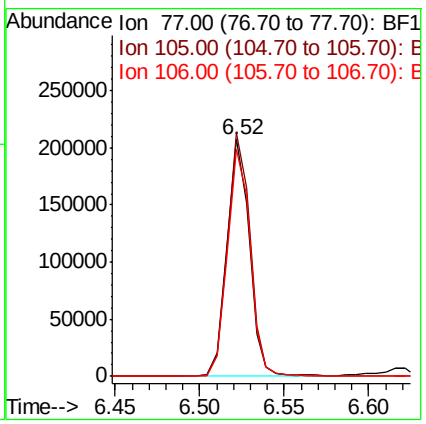





#9
Benzaldehyde
Concen: 24.366 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 77 Resp: 191047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.9 | 78.6 | 118.6 |
| 106 | 96.1 | 74.8 | 114.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
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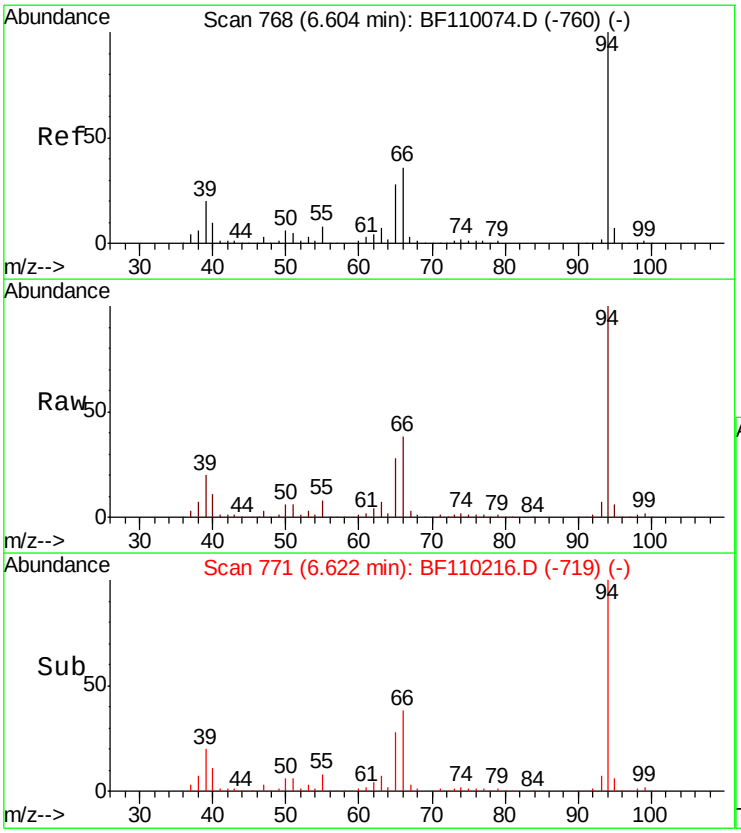
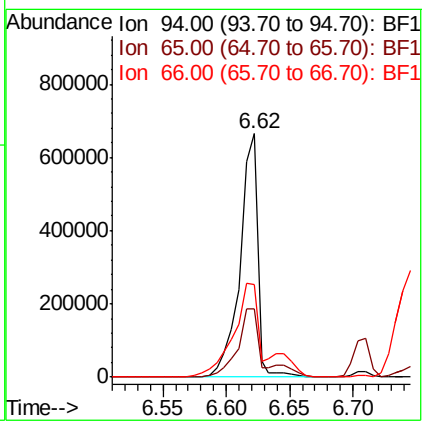
**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:42 AM

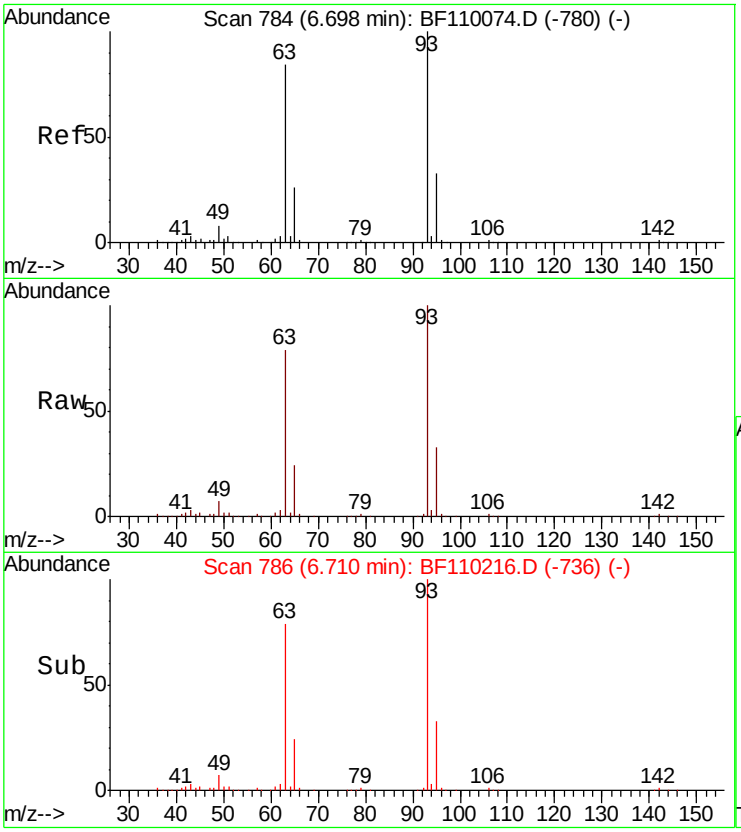



#10
Phenol
Concen: 49.659 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 94 Resp: 640780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.3 | 25.3 | 65.3 |
| 66 | 38.0 | 54.5 | 94.5# |

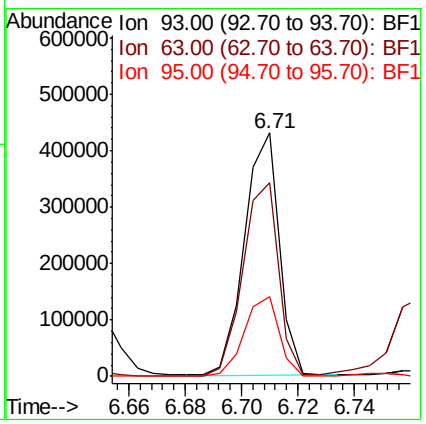





#11
bis(2-Chloroethyl)ether
Concen: 34.591 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 93 Resp: 367222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.4 | 53.4 | 93.4 |
| 95 | 32.8 | 12.1 | 52.1 |




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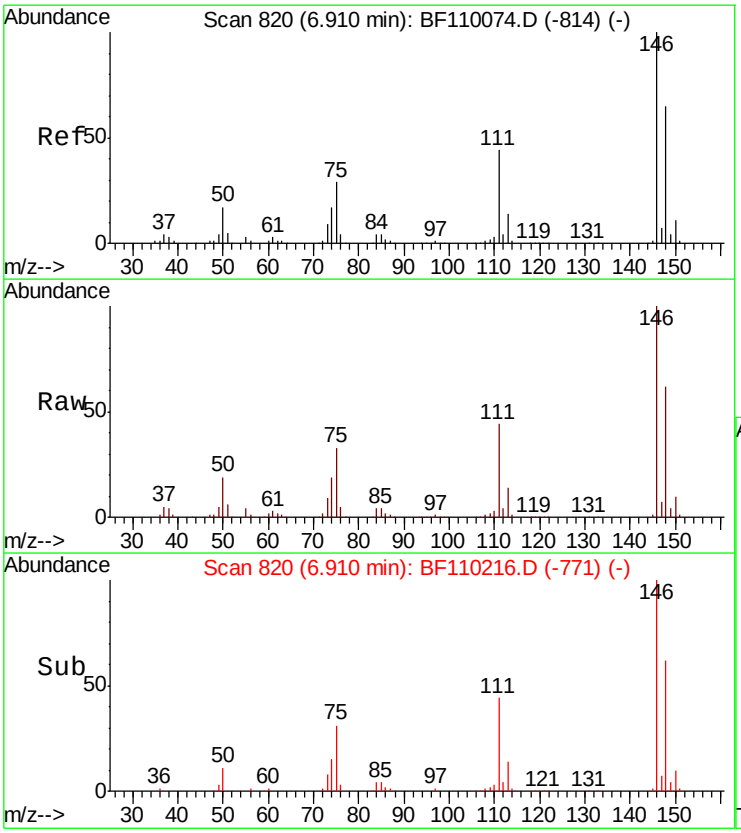
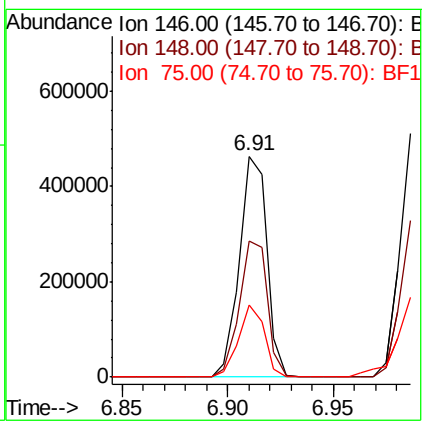
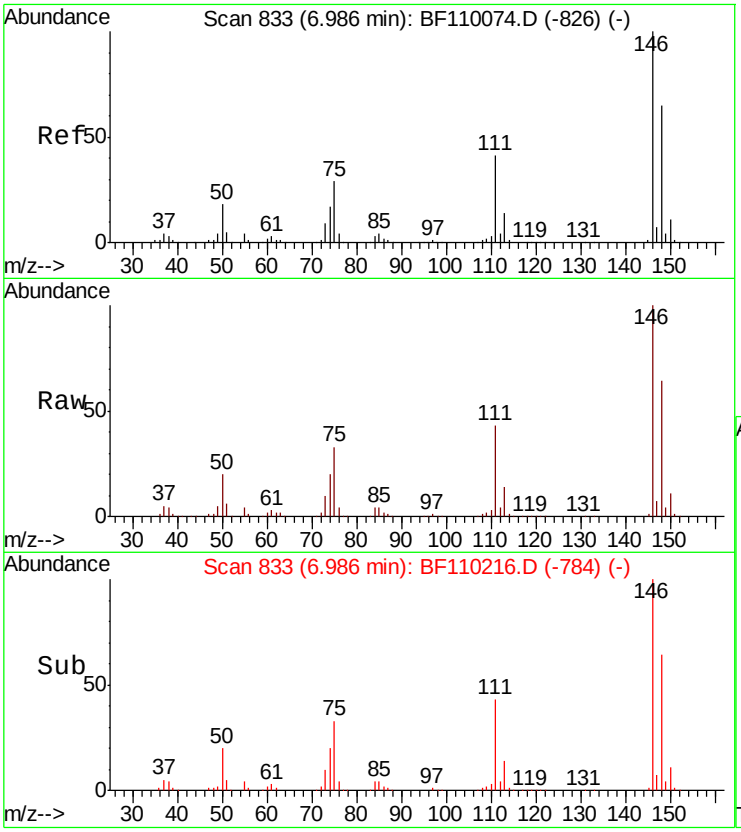



#12
1,3-Dichlorobenzene
Concen: 34.818 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:146 Resp: 416922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 50.4 | 75.6 |
| 75 | 32.8 | 25.8 | 38.6 |

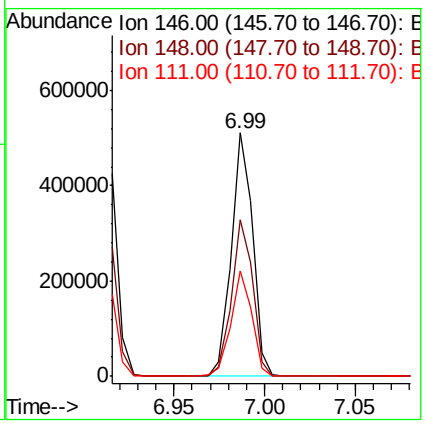





#13
1,4-Dichlorobenzene
Concen: 34.663 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:146 Resp: 419788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 50.3 | 75.5 |
| 111 | 43.2 | 32.7 | 49.1 |




**Instrument :**
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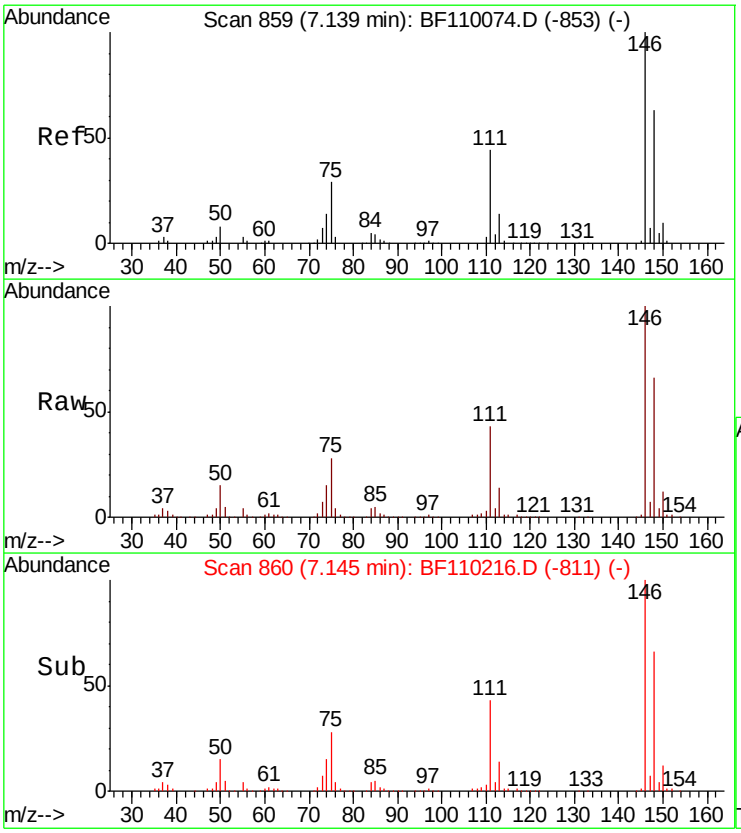
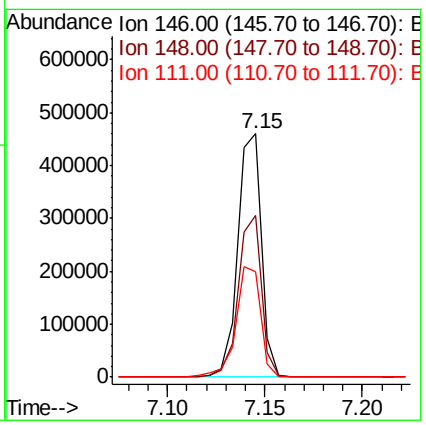
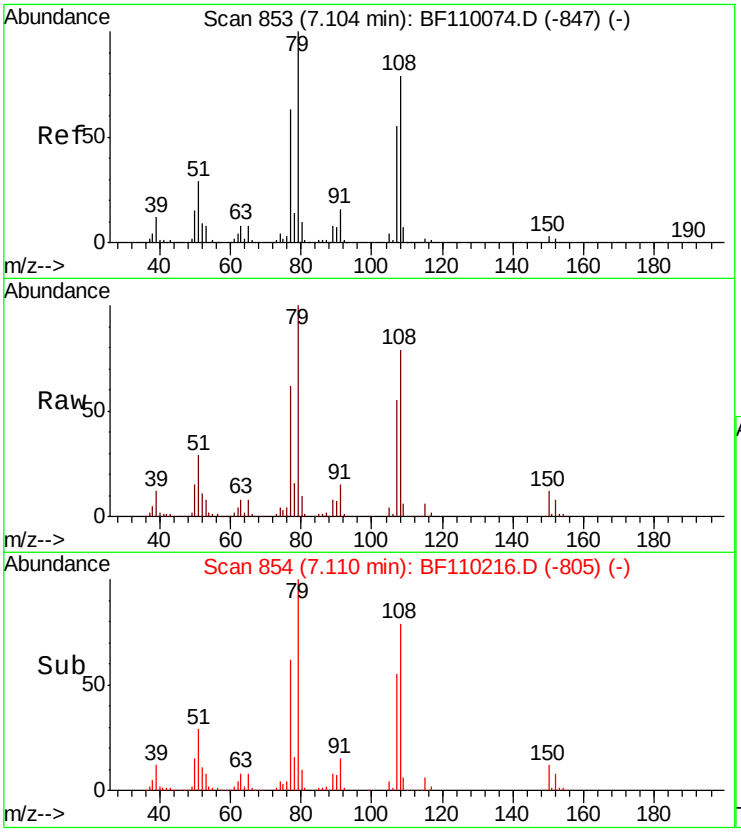



#14
1,2-Dichlorobenzene
Concen: 34.327 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:146 Resp: 385913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.3 | 51.1 | 76.7 |
| 111 | 43.3 | 35.8 | 53.6 |






#15
Benzyl Alcohol
Concen: 37.591 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 79 Resp: 349013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.3 | 56.3 | 84.5 |
| 77 | 62.0 | 52.9 | 79.3 |

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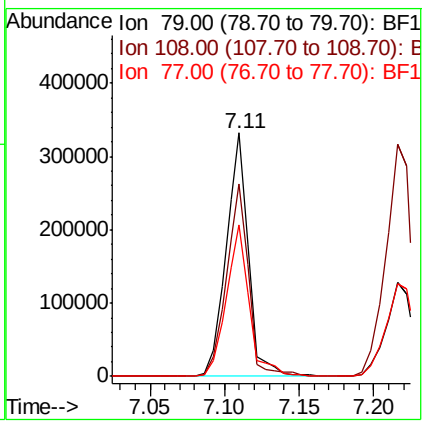
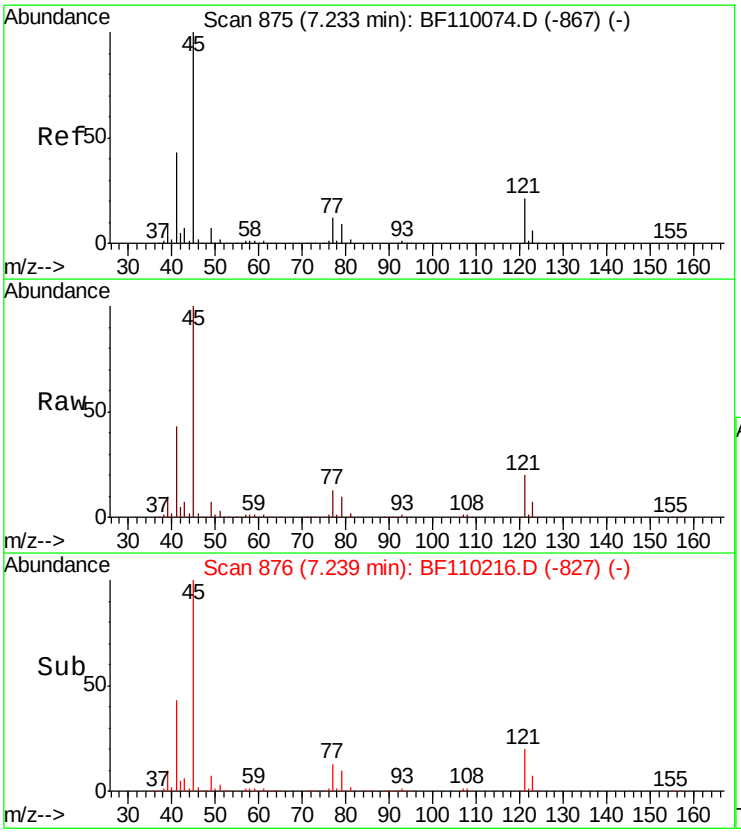
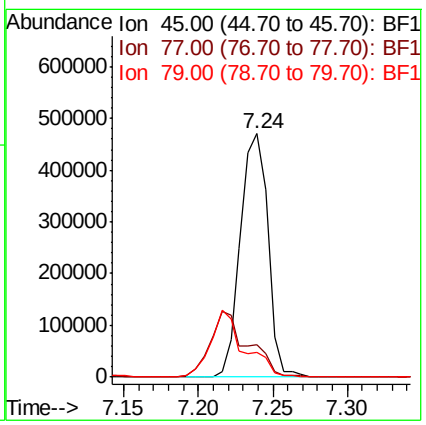


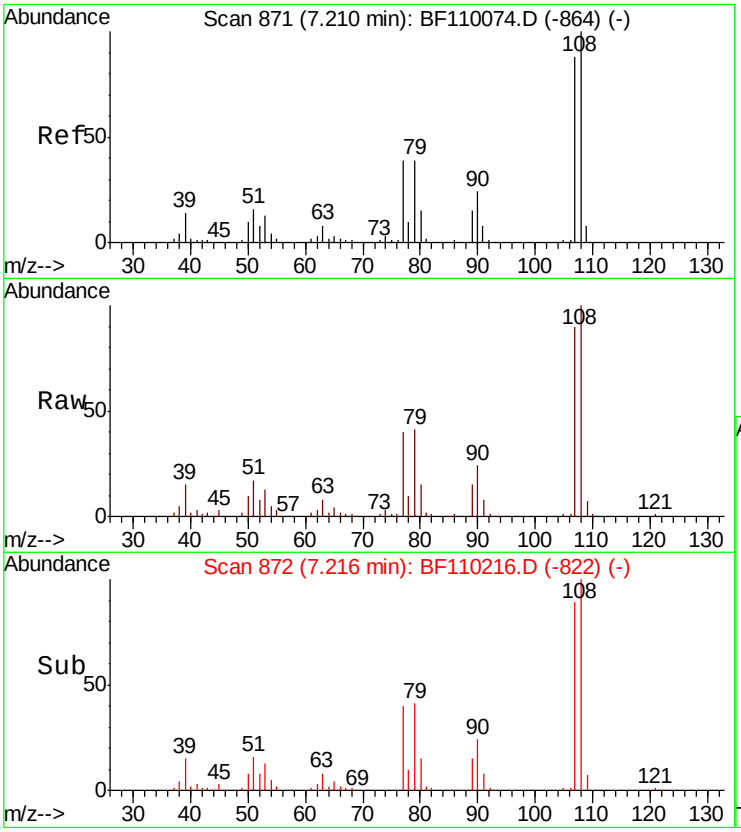




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.431 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 45 Resp: 601392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.2 | 10.0 | 50.0 |
| 79 | 10.1 | 6.1 | 46.1 |

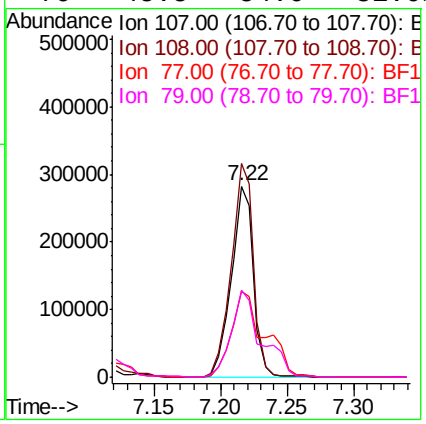





#17
2-Methylphenol
Concen: 37.777 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:107 Resp: 327591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.7 | 92.6 | 138.8 |
| 77 | 44.6 | 59.4 | 89.2# |
| 79 | 45.5 | 54.0 | 81.0# |




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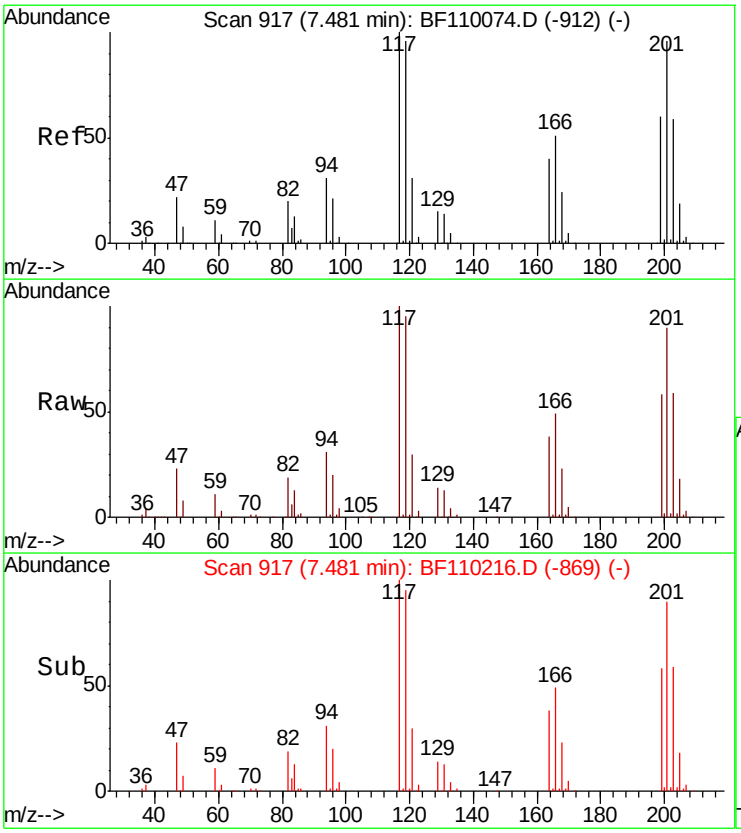
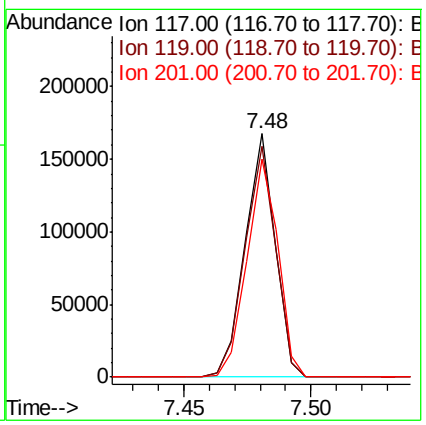
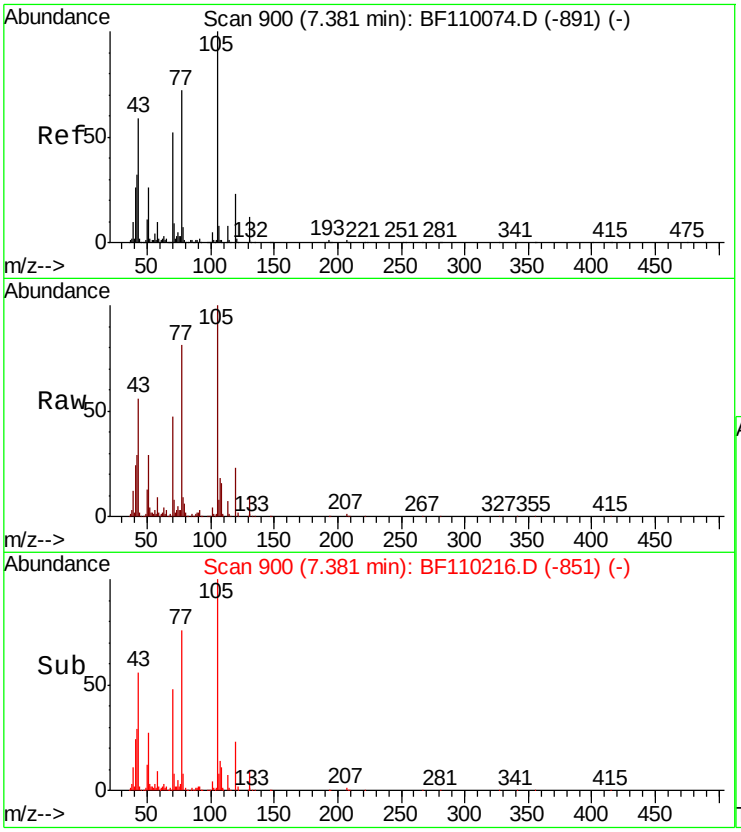



#18
Hexachloroethane
Concen: 31.301 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:117 Resp: 138784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.9 | 75.0 | 112.6 |
| 201 | 89.7 | 79.2 | 118.8 |

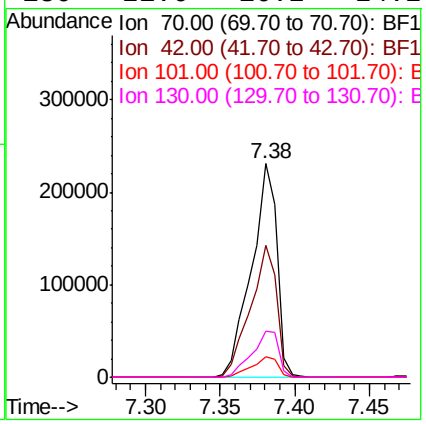





#19
n-Nitroso-di-n-propylamine
Concen: 35.048 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 70 Resp: 271426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.8 | 47.4 | 71.2 |
| 101 | 9.4 | 7.3 | 10.9 |
| 130 | 21.6 | 16.2 | 24.2 |




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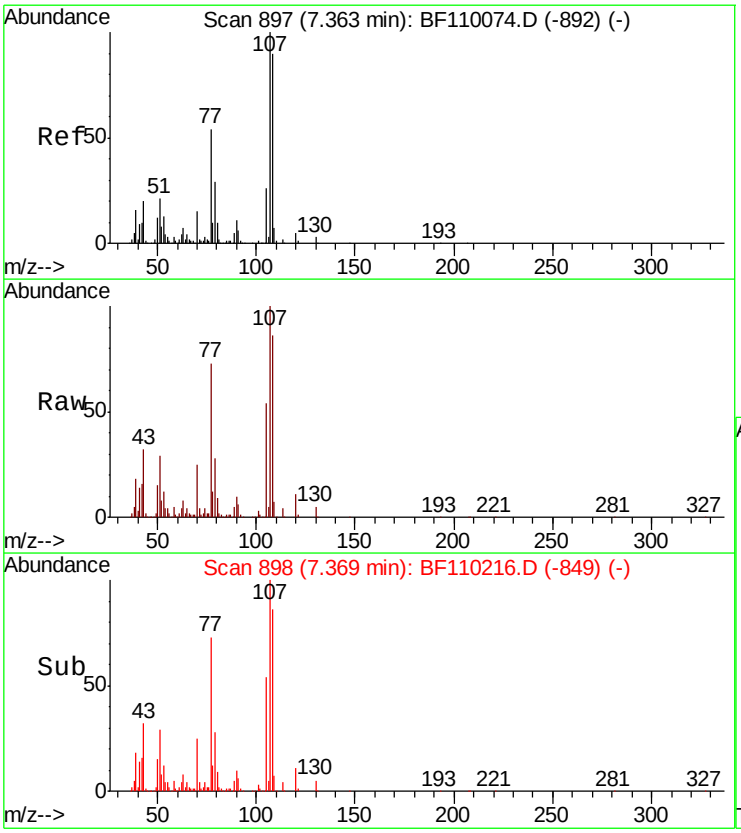
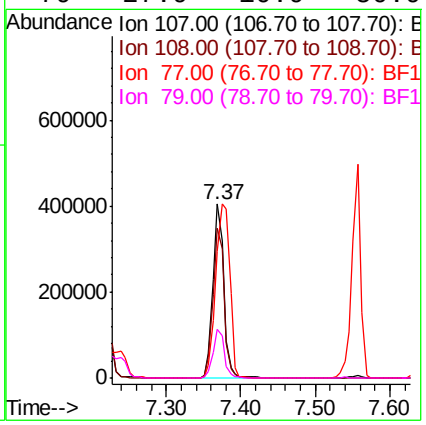
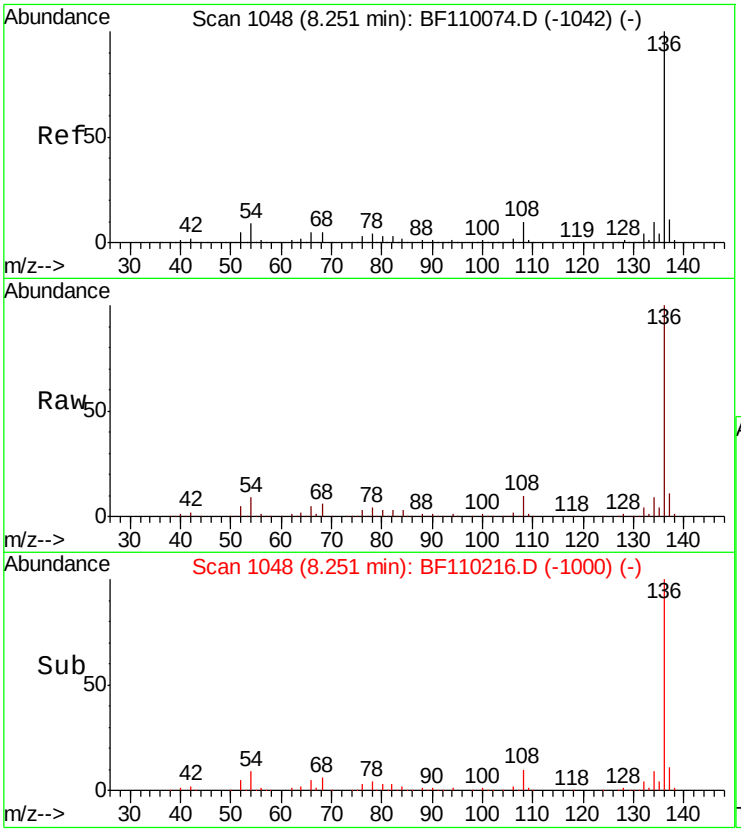



#20
3+4-Methylphenols
Concen: 36.525 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:107 Resp: 409416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.3 | 71.4 | 111.4 |
| 77 | 73.3 | 47.3 | 87.3 |
| 79 | 27.9 | 10.9 | 50.9 |

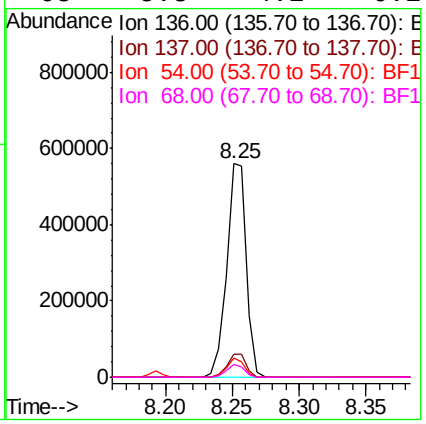





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:136 Resp: 579484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 8.8 | 5.4 | 8.2# |
| 68 | 5.8 | 4.2 | 6.2 |




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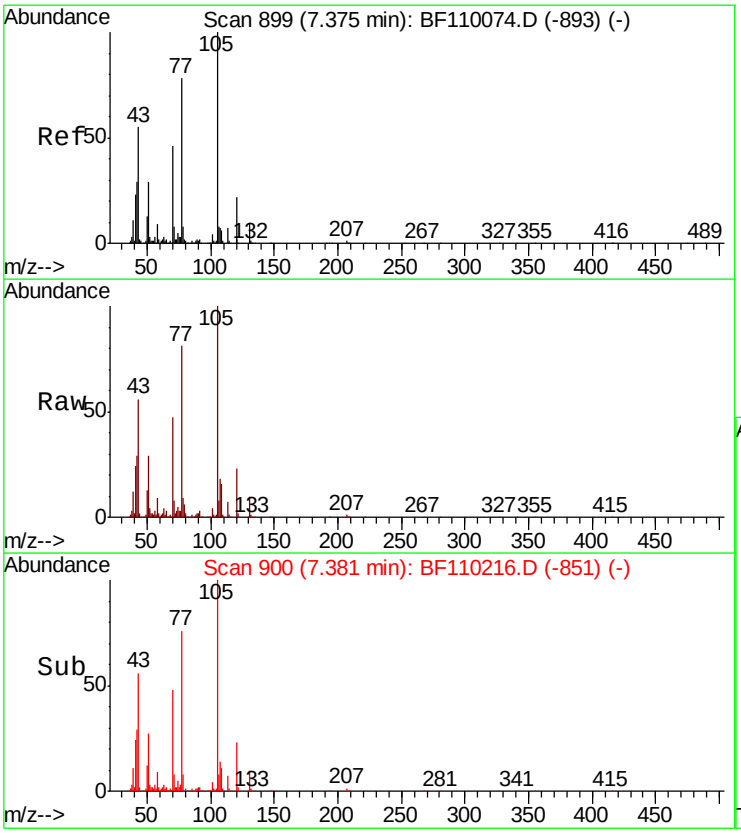
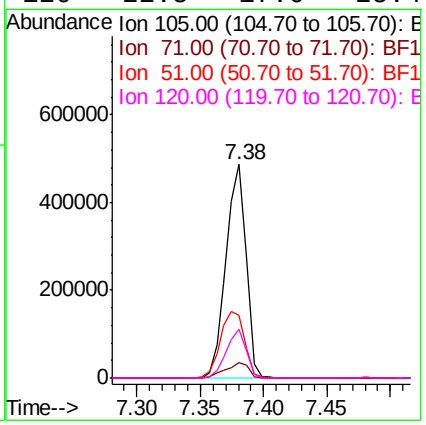
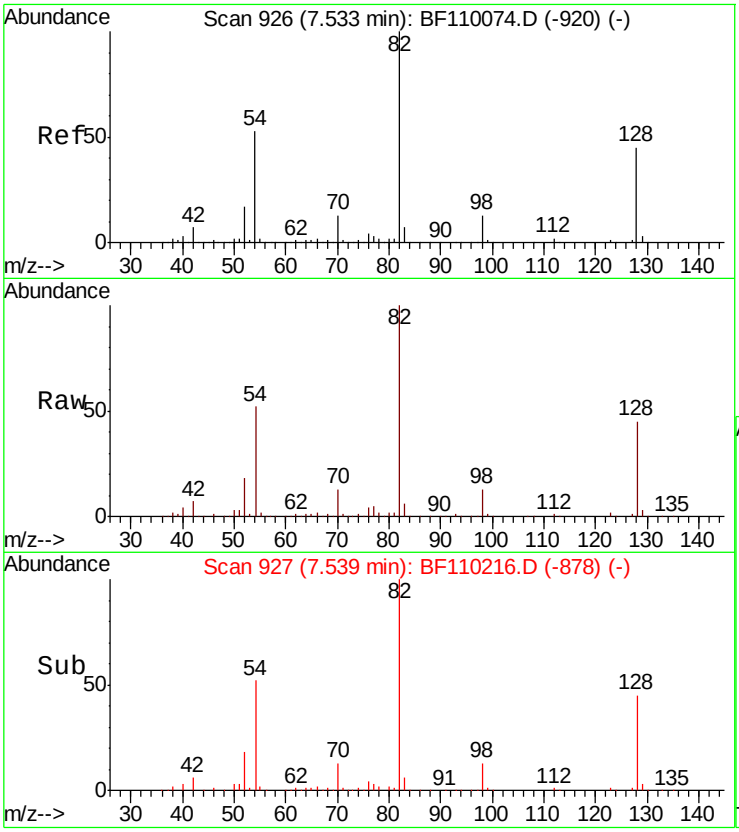



#22
Acetophenone
Concen: 39.871 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:105 Resp: 532383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.5 | 5.2 | 7.8 |
| 51 | 29.4 | 21.8 | 32.8 |
| 120 | 22.5 | 17.0 | 25.4 |

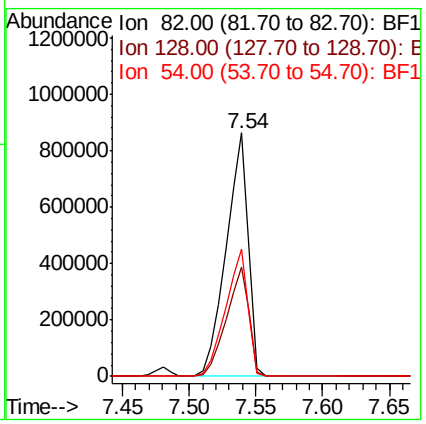





#23
Nitrobenzene-d5
Concen: 103.262 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 82 Resp: 1008857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 34.2 | 51.2 |
| 54 | 52.2 | 38.6 | 58.0 |




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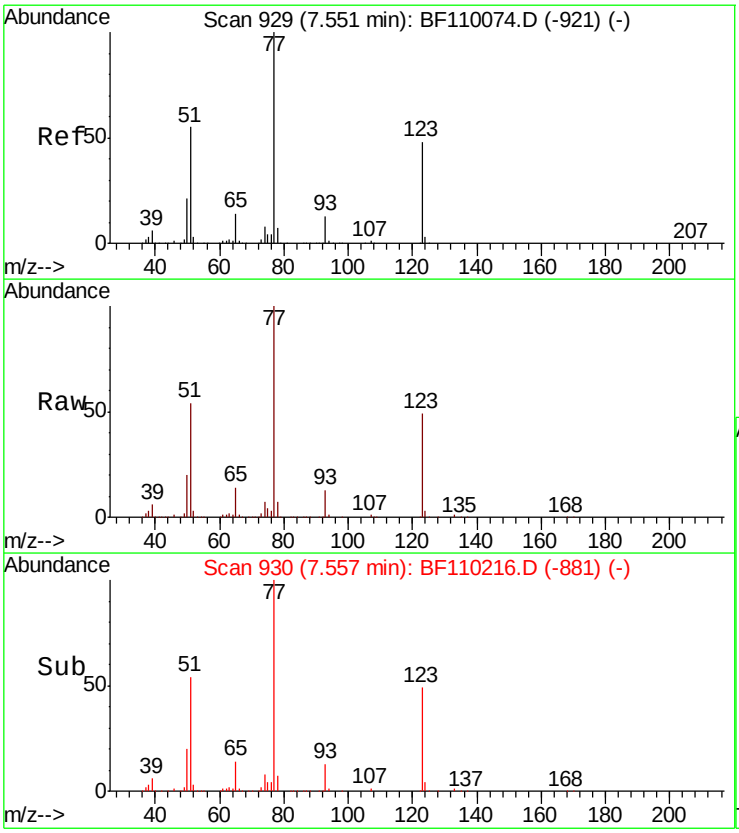
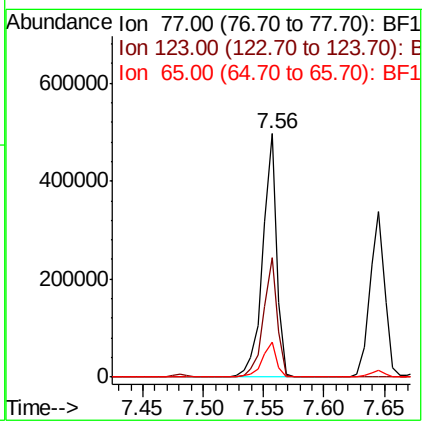
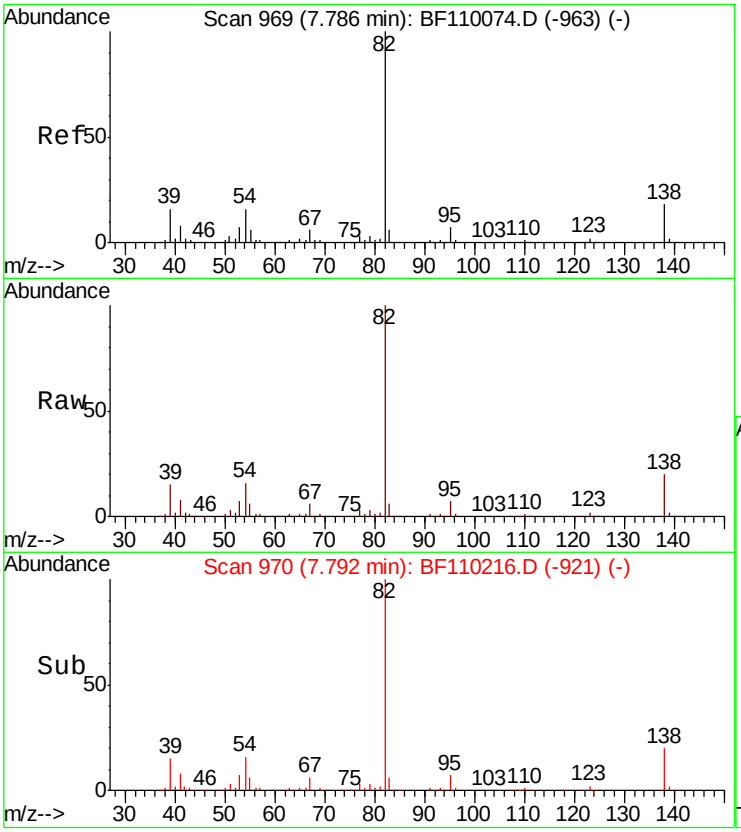



#24
Nitrobenzene
Concen: 39.707 ng
RT: 7.56 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 77 Resp: 400509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.0 | 35.7 | 53.5 |
| 65 | 14.1 | 10.7 | 16.1 |

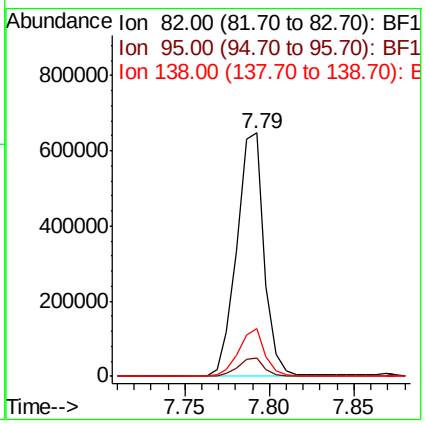





#25
Isophorone
Concen: 44.088 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 82 Resp: 734242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 5.7 | 8.5 |
| 138 | 19.5 | 13.2 | 19.8 |




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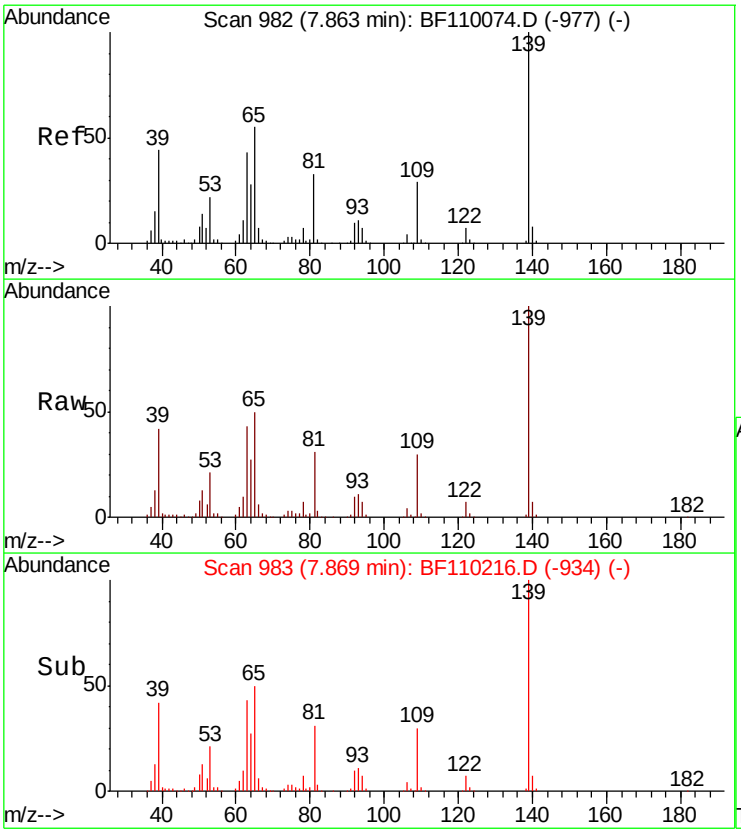
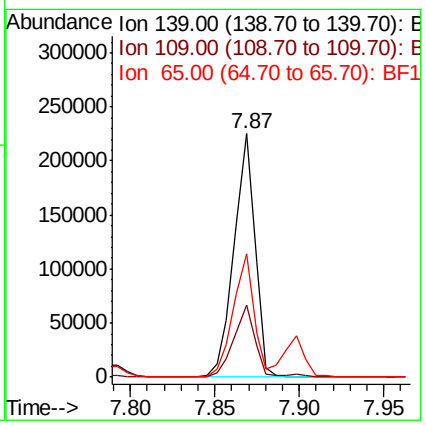
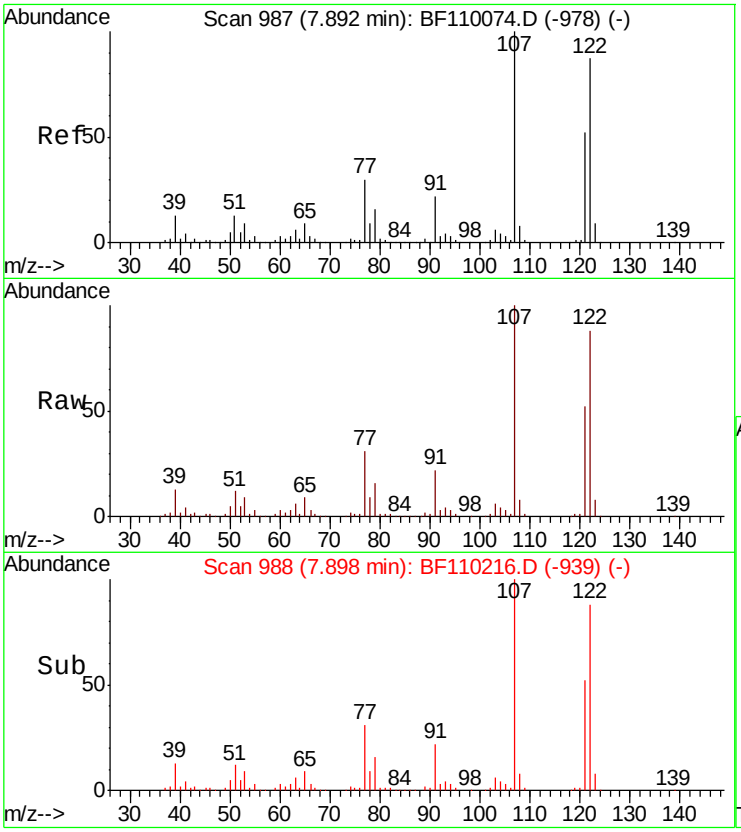



#26
2-Nitrophenol
Concen: 40.608 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:139 Resp: 194917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.7 | 25.0 | 37.6 |
| 65 | 50.4 | 44.0 | 66.0 |

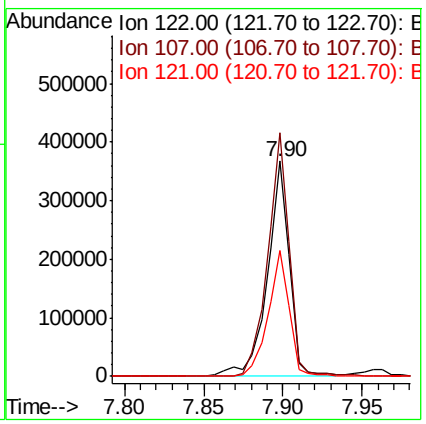





#27
2,4-Dimethylphenol
Concen: 44.782 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:122 Resp: 356378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.2 | 92.5 | 138.7 |
| 121 | 58.6 | 45.8 | 68.8 |




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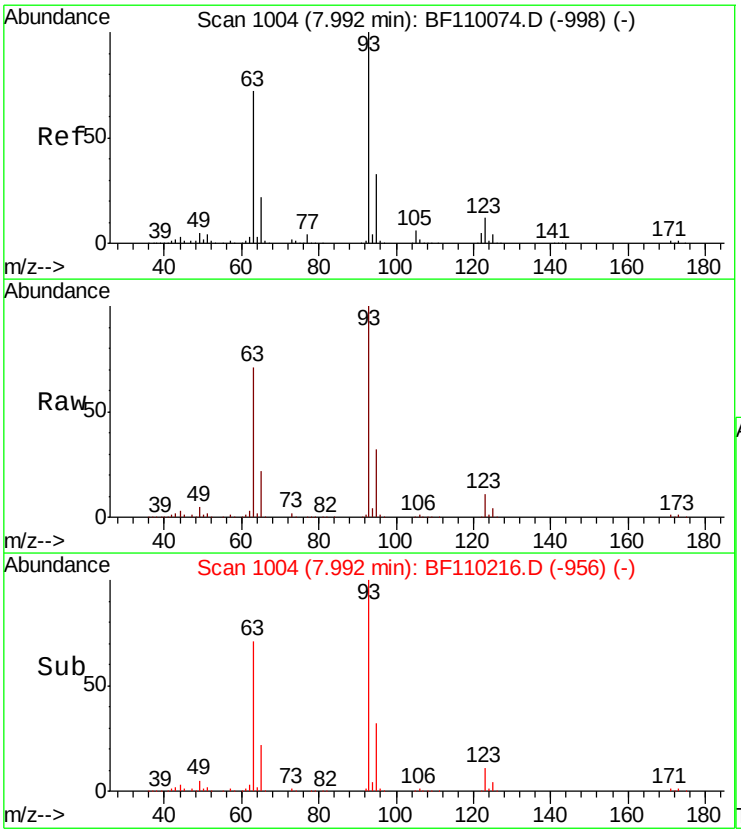
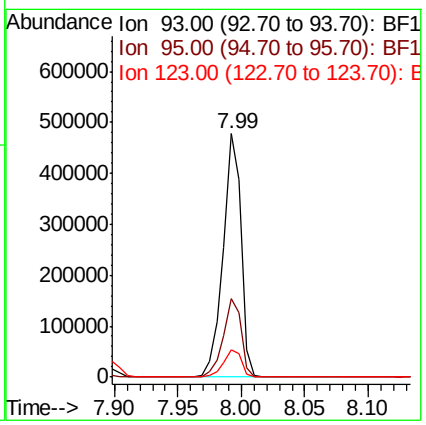
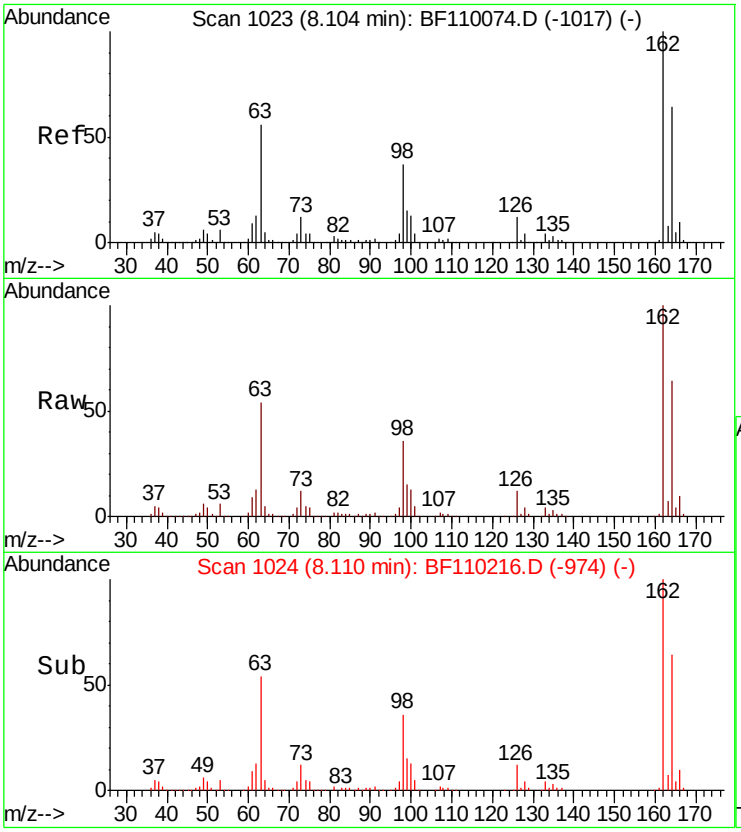



#28
bis(2-Chloroethoxy)methane
Concen: 41.549 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 93 Resp: 470061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.0 | 26.4 | 39.6 |
| 123 | 11.4 | 9.0 | 13.6 |

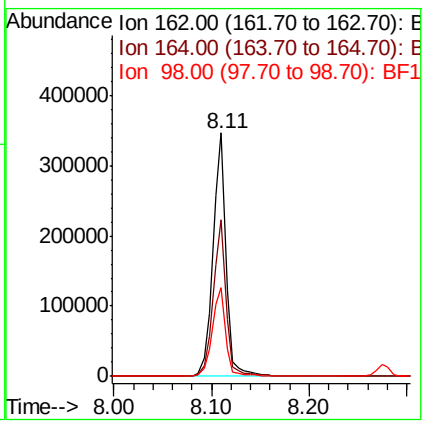





#29
2,4-Dichlorophenol
Concen: 39.844 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:162 Resp: 320344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.2 | 44.6 | 84.6 |
| 98 | 36.3 | 17.4 | 57.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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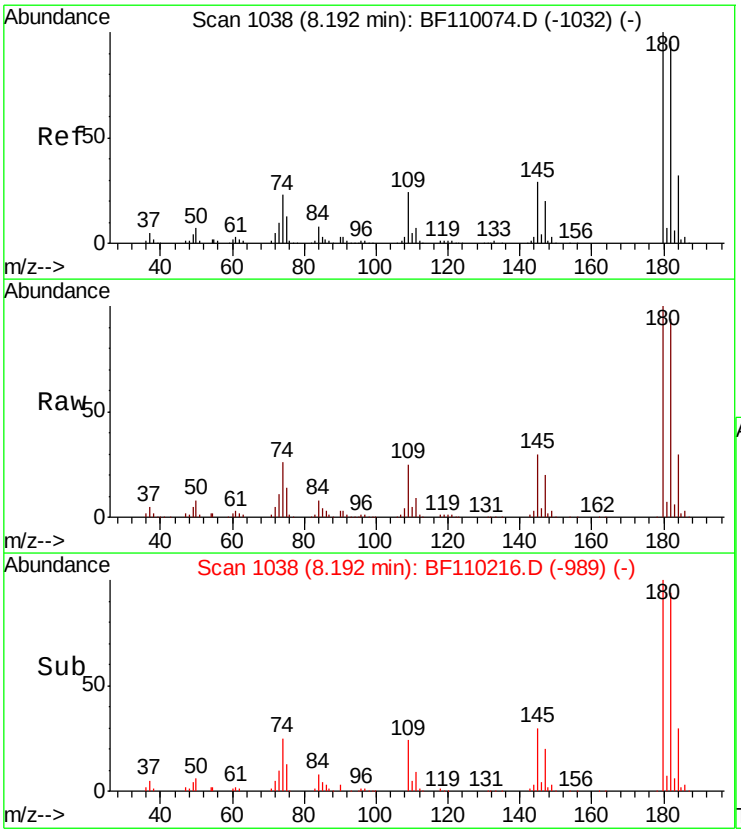
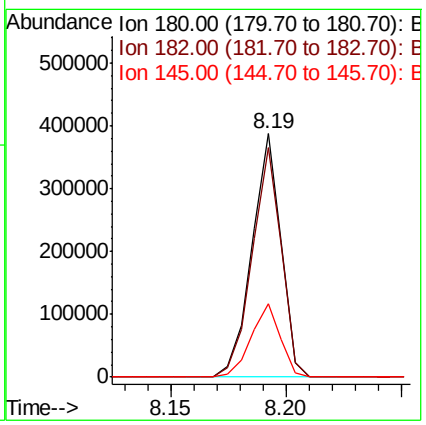
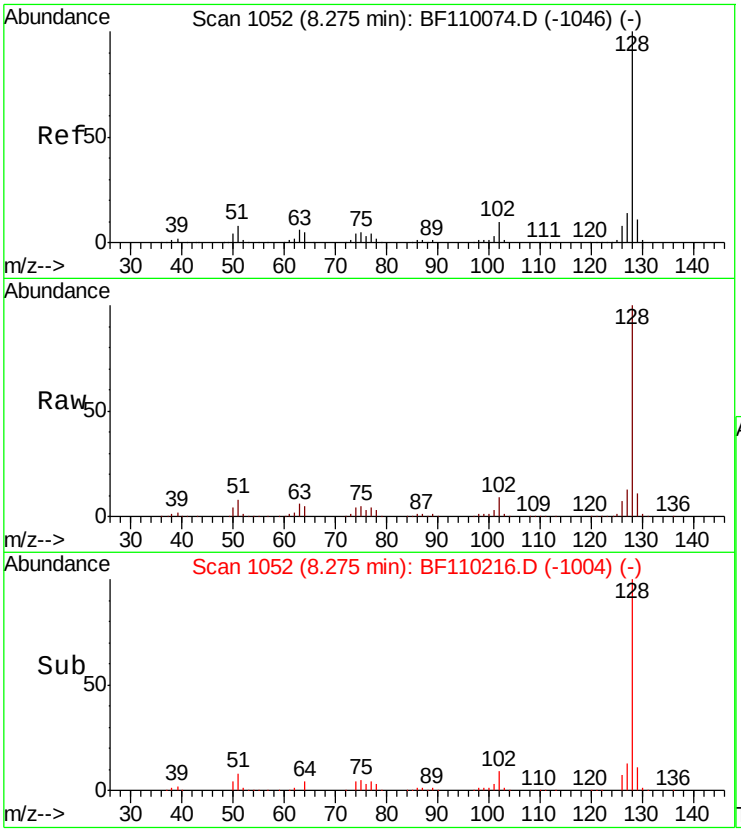



#30
1,2,4-Trichlorobenzene
Concen: 37.903 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:180 Resp: 341344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 80.3 | 120.5 |
| 145 | 30.1 | 25.4 | 38.0 |

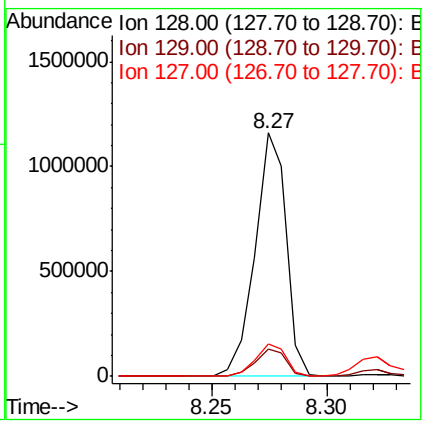





#31
Naphthalene
Concen: 40.959 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:128 Resp: 1093924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.8 | 13.2 |
| 127 | 13.2 | 10.8 | 16.2 |




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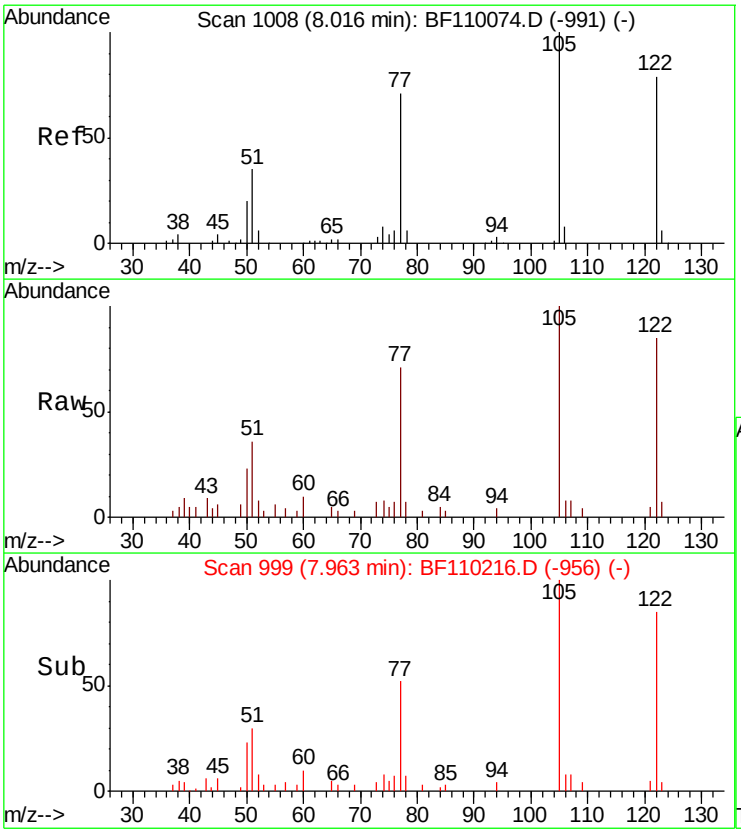
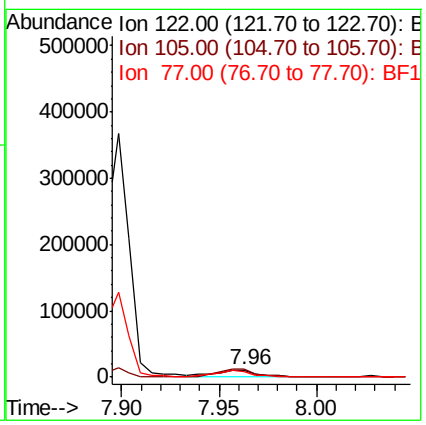
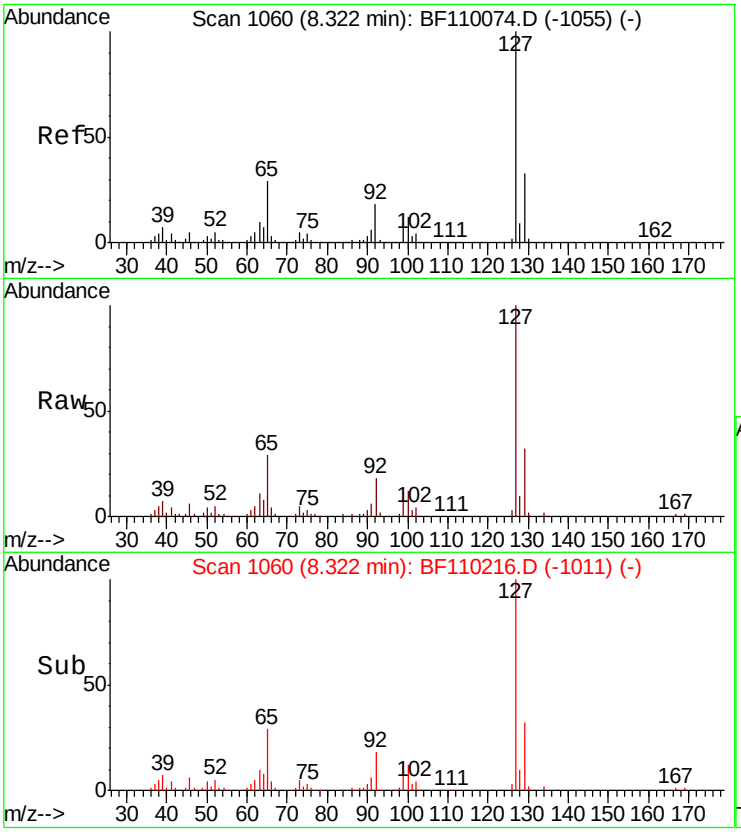



#32
Benzoic acid
Concen: 2.445 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.05 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:122 Resp: 15039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 117.8 | 109.0 | 149.0 |
| 77 | 83.2 | 79.0 | 119.0 |

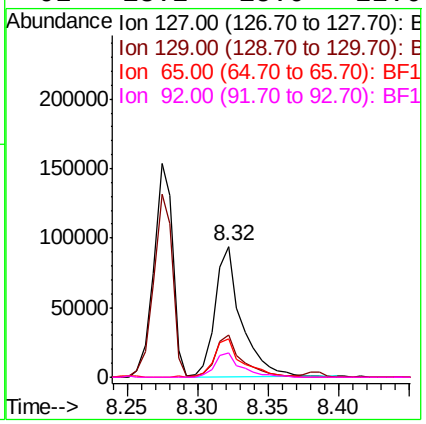





#33
4-Chloroaniline
Concen: 10.161 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:127 Resp: 122135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 26.0 | 39.0 |
| 65 | 29.4 | 25.1 | 37.7 |
| 92 | 18.2 | 15.0 | 22.6 |




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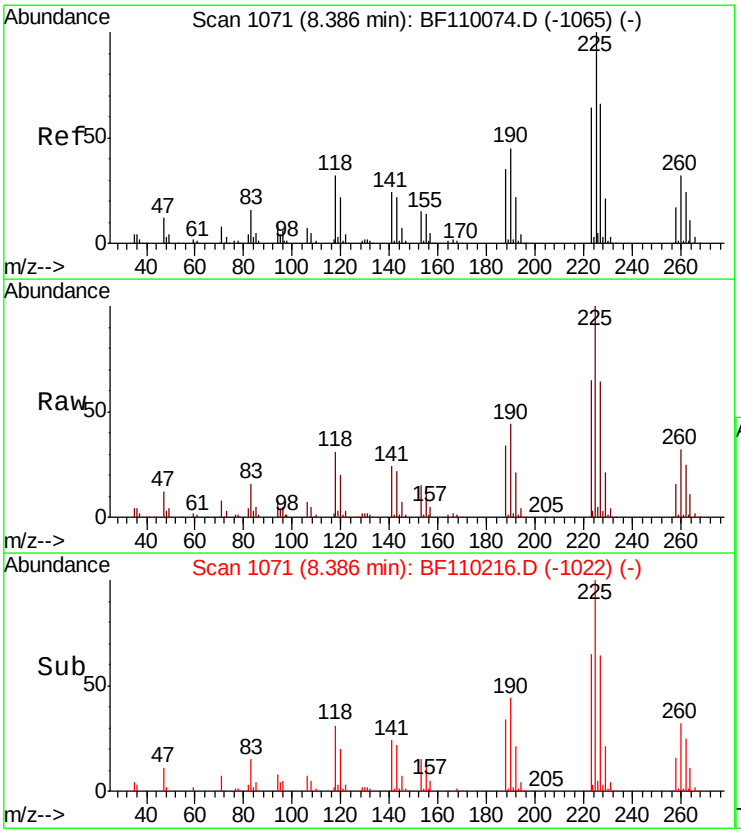
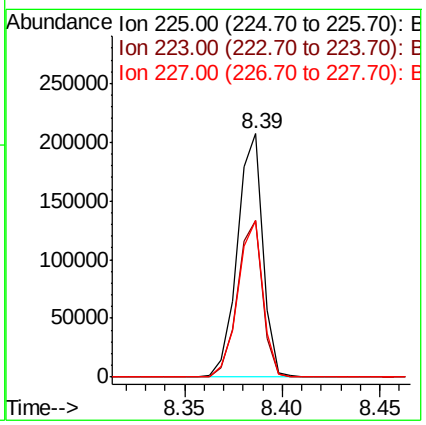
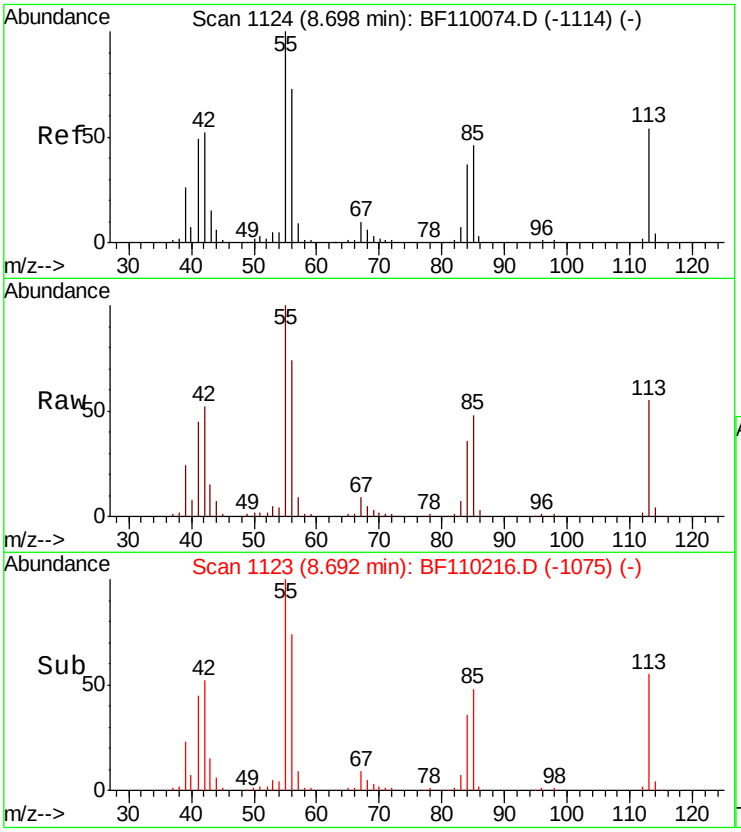



#34
Hexachlorobutadiene
Concen: 37.419 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:225 Resp: 187106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.6 | 51.4 | 77.2 |
| 227 | 64.4 | 51.0 | 76.6 |

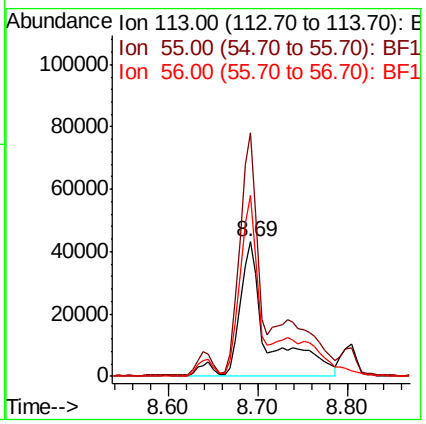





#35
Caprolactam
Concen: 34.707 ng m
RT: 8.69 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:113 Resp: 97257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 180.8 | 142.8 | 182.8 |
| 56 | 134.3 | 105.0 | 145.0 |




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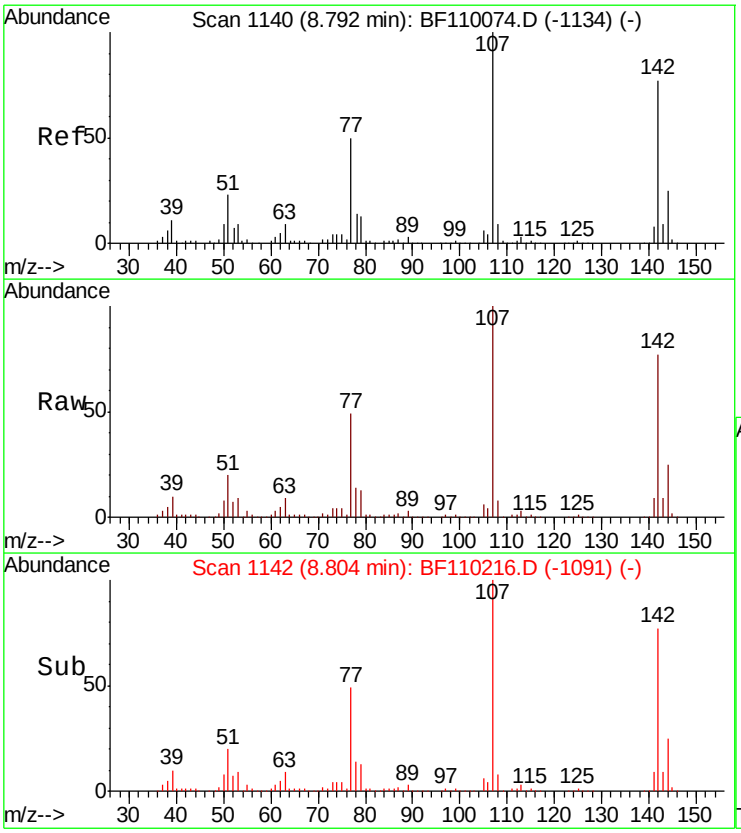
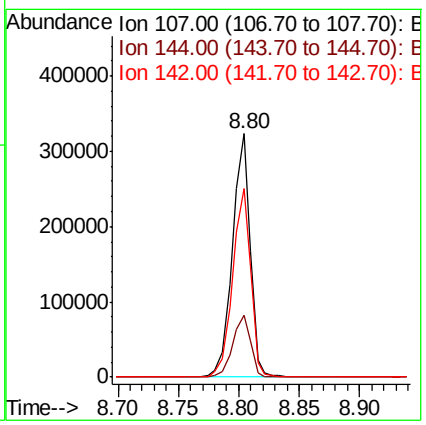
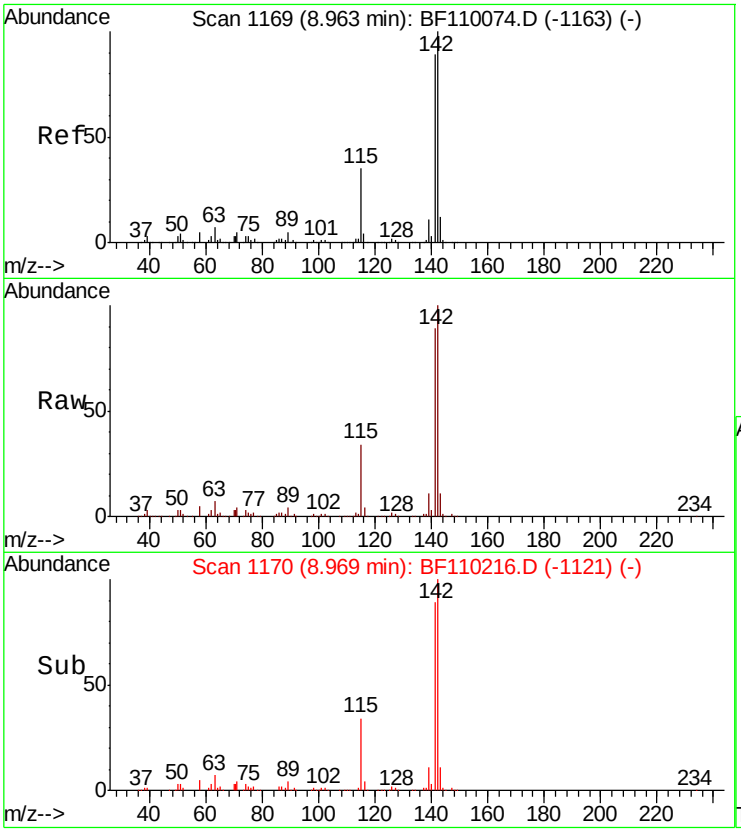



#36
4-Chloro-3-methylphenol
Concen: 38.361 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:107 Resp: 333514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.2 | 20.0 | 30.0 |
| 142 | 77.5 | 59.7 | 89.5 |

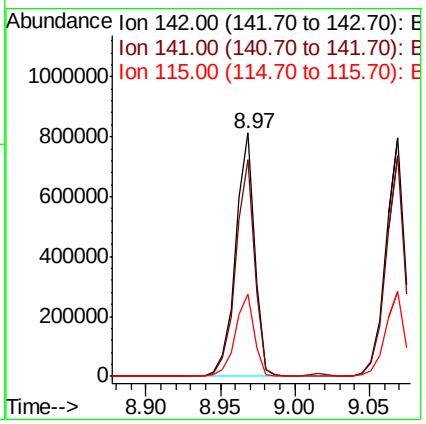





#37
2-Methylnaphthalene
Concen: 41.111 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:142 Resp: 726458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.4 | 107.2 |
| 115 | 33.8 | 28.7 | 43.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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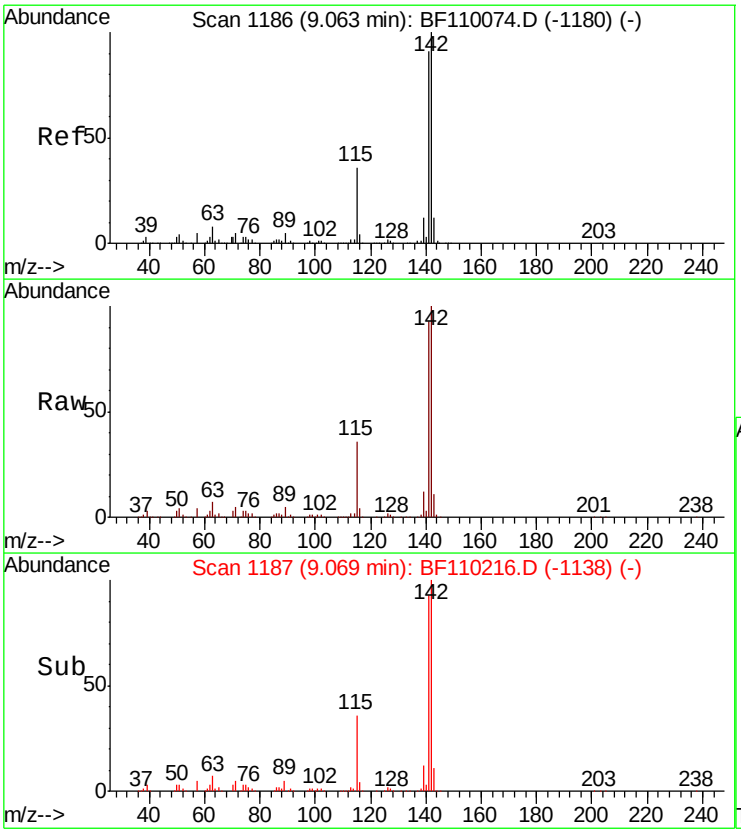
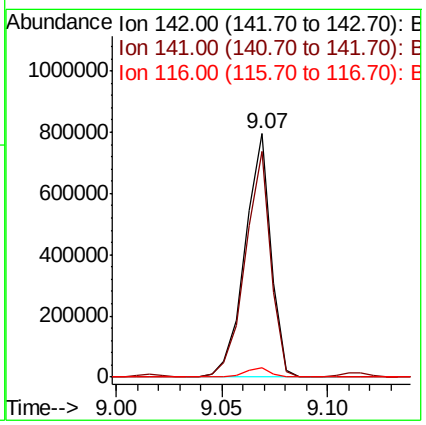
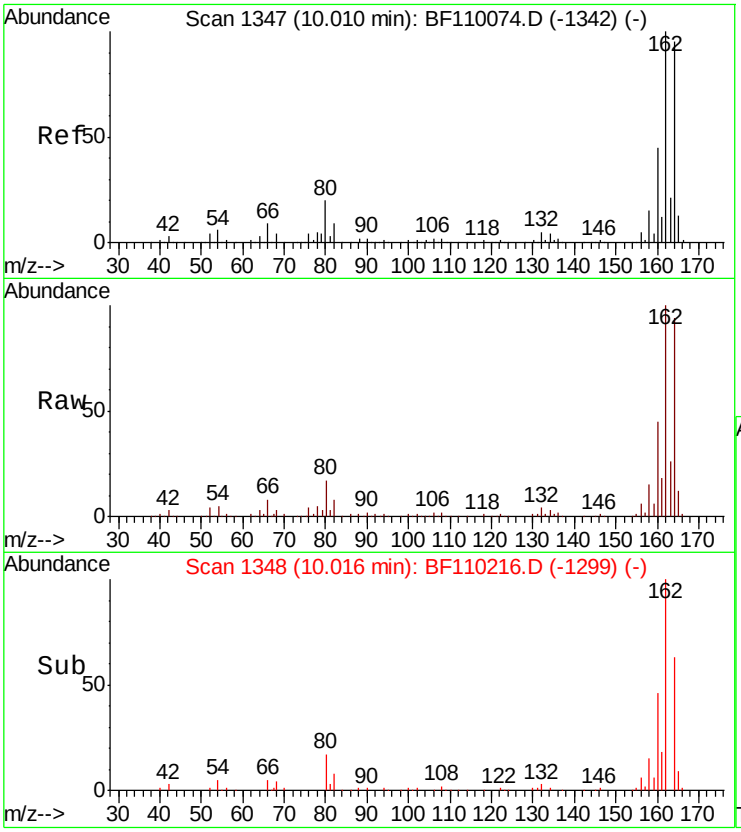



#38
1-Methylnaphthalene
Concen: 39.689 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:142 Resp: 677751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 74.2 | 111.4 |
| 116 | 3.7 | 2.6 | 4.0 |

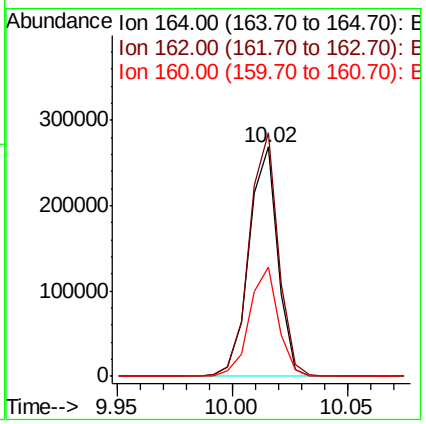





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:164 Resp: 235122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.3 | 83.0 | 124.6 |
| 160 | 47.8 | 37.0 | 55.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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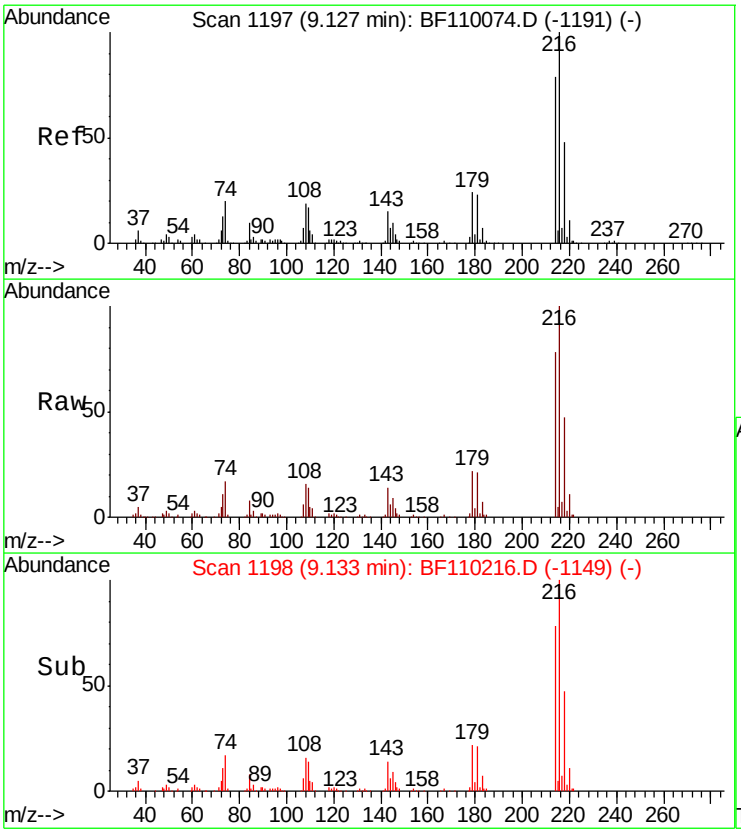
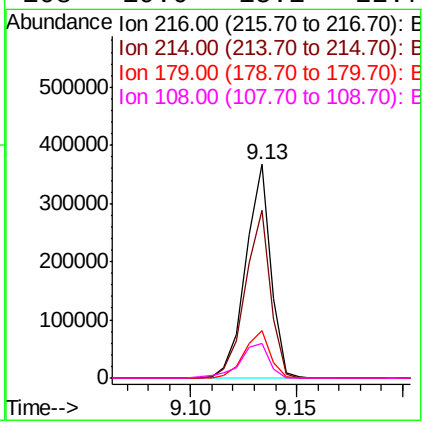
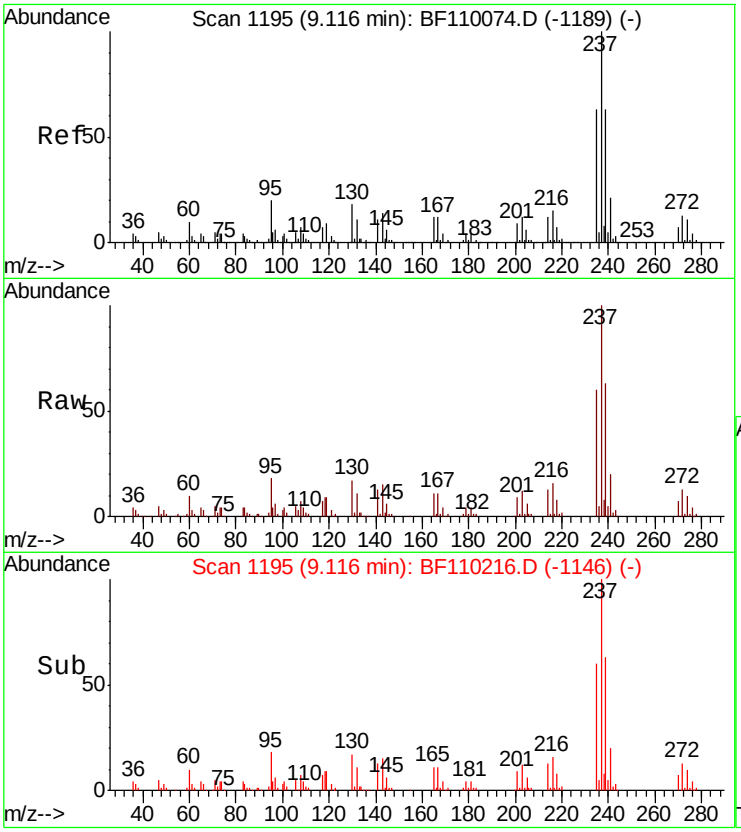



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.322 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:216 Resp: 302722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 63.8 | 95.6 |
| 179 | 22.8 | 16.6 | 25.0 |
| 108 | 19.0 | 15.1 | 22.7 |

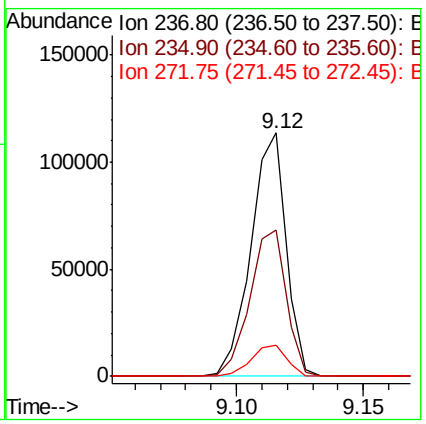





#41
Hexachlorocyclopentadiene
Concen: 29.510 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:237 Resp: 110545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 60.2 | 43.1 | 83.1 |
| 272 | 13.0 | 0.0 | 32.6 |




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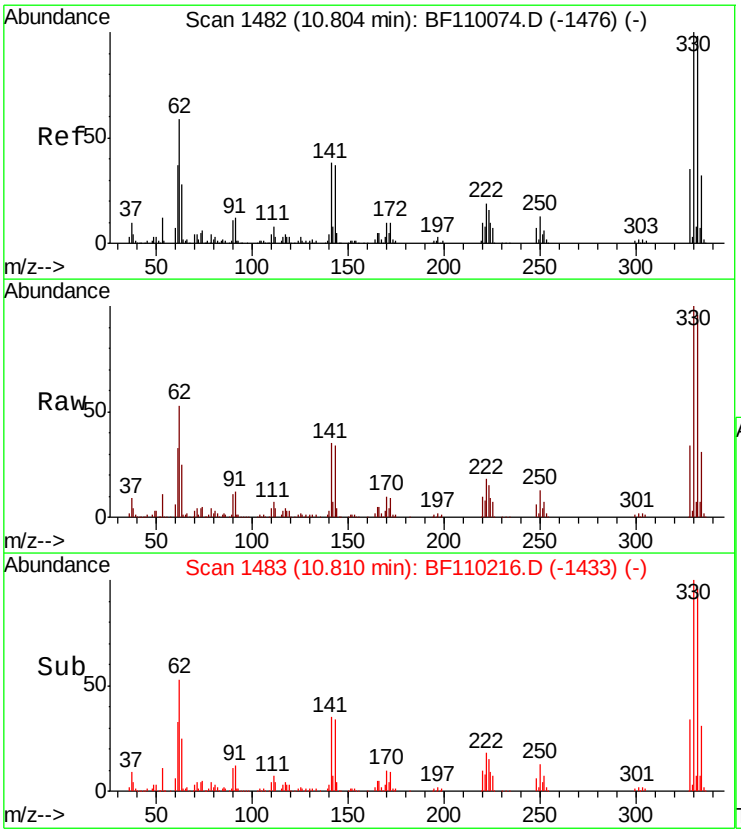
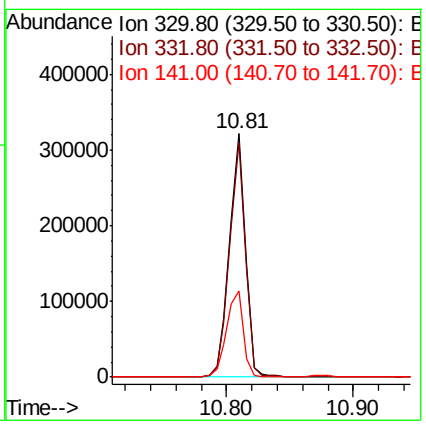
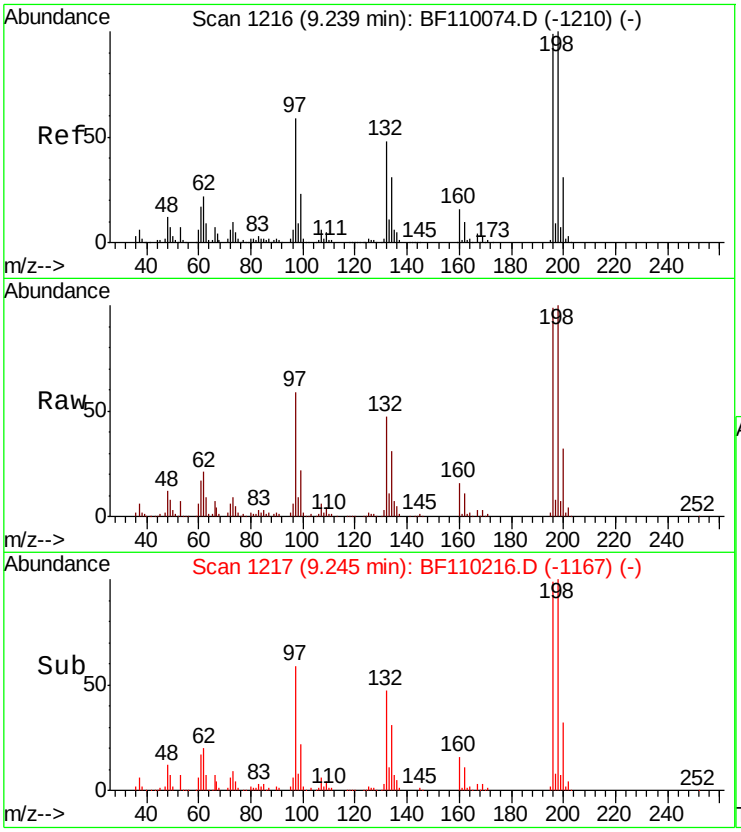



#42
2,4,6-Tribromophenol
Concen: 120.615 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:330 Resp: 280916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.1 | 115.7 |
| 141 | 37.5 | 27.0 | 40.4 |

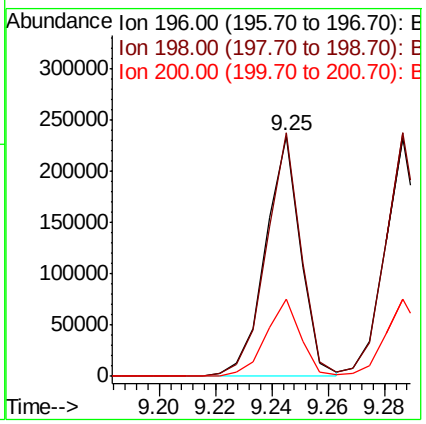





#43
2,4,6-Trichlorophenol
Concen: 43.056 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:196 Resp: 203444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.5 | 76.2 | 114.4 |
| 200 | 32.2 | 24.4 | 36.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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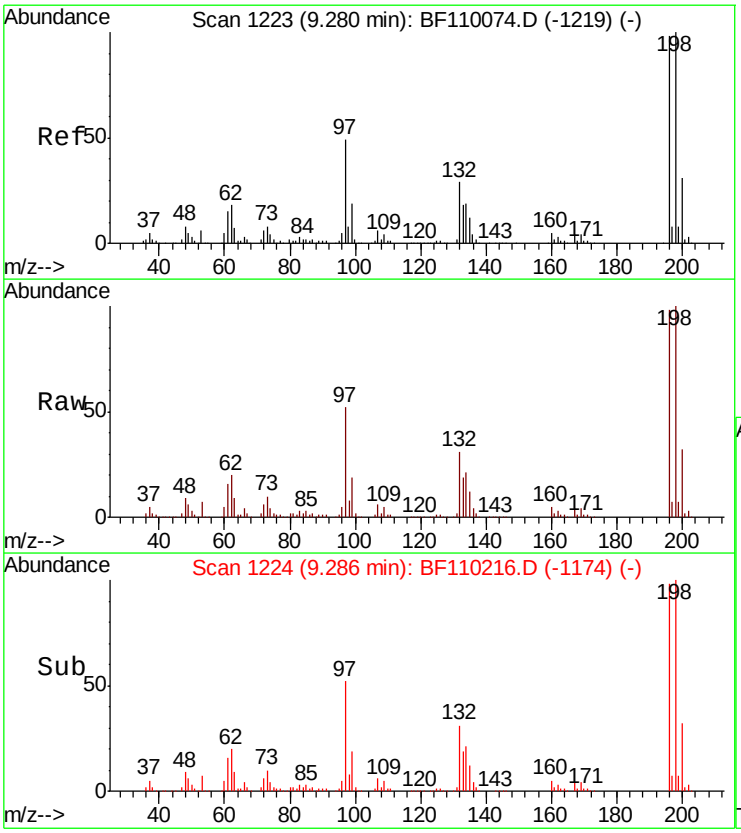
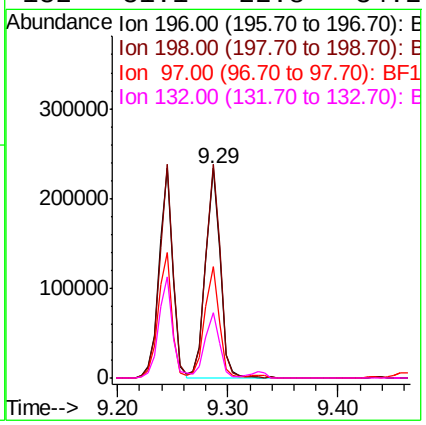
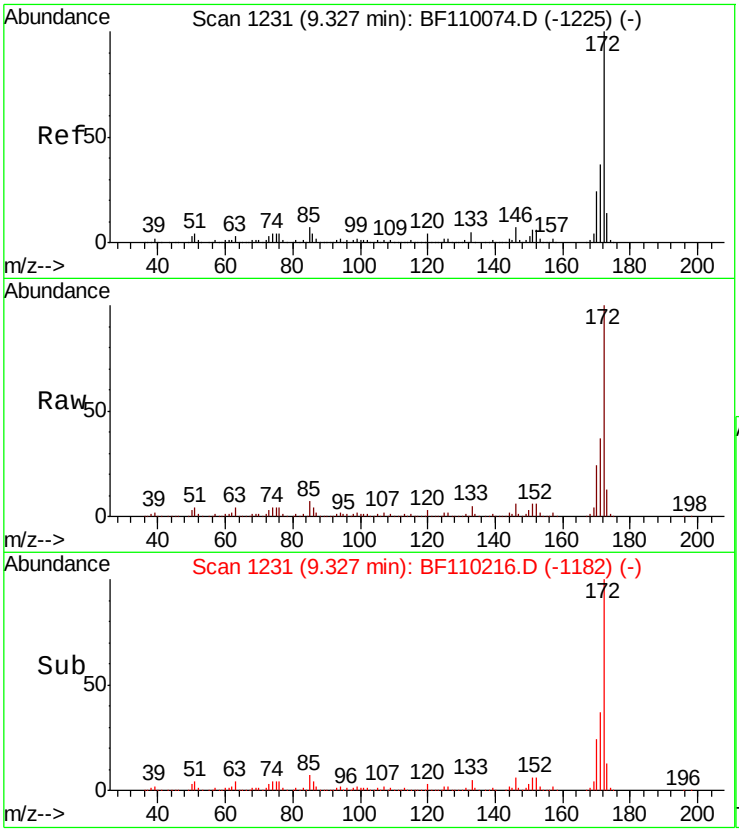



#44
2,4,5-Trichlorophenol
Concen: 41.863 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:196 Resp: 209091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.0 | 75.8 | 113.6 |
| 97 | 53.1 | 42.4 | 63.6 |
| 132 | 31.1 | 22.8 | 34.2 |

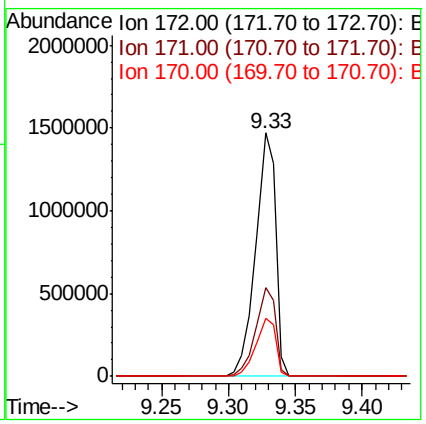





#45
2-Fluorobiphenyl
Concen: 100.321 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:172 Resp: 1502150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 28.6 | 43.0 |
| 170 | 24.0 | 19.7 | 29.5 |




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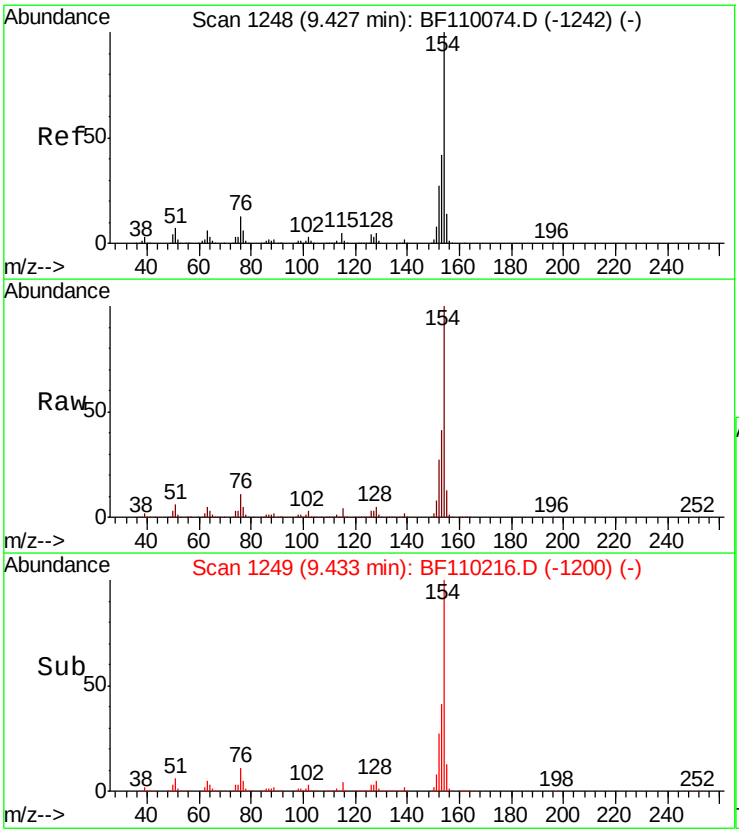
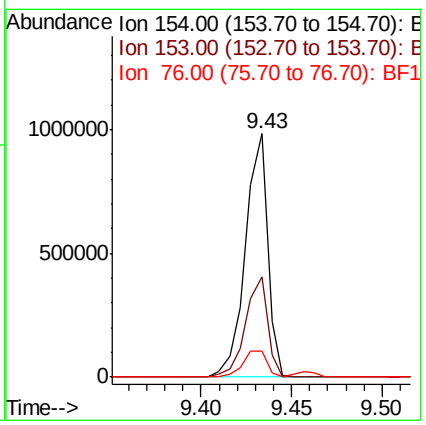
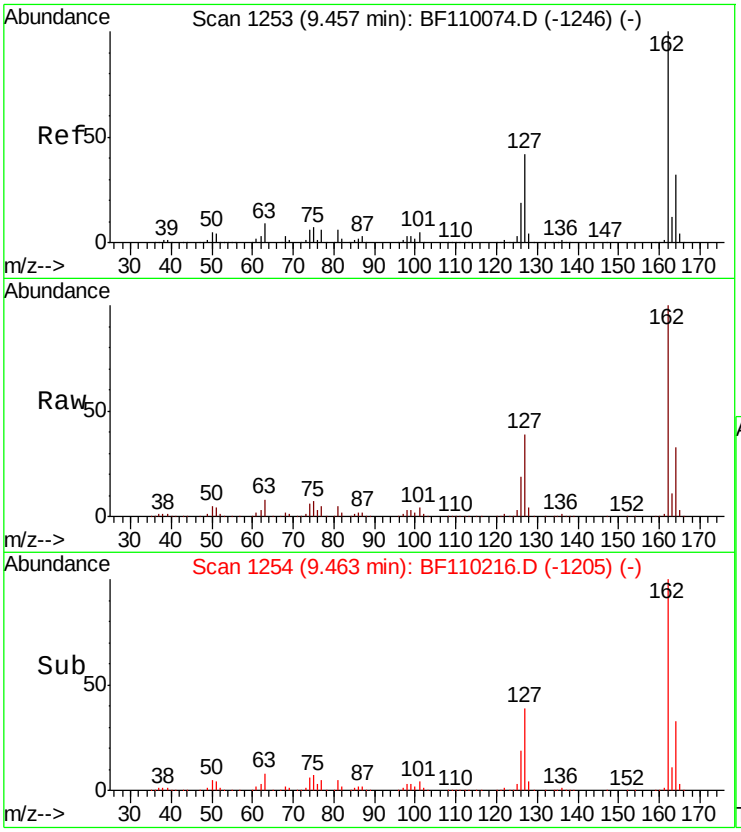



#46
1,1'-Biphenyl
Concen: 39.669 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:154 Resp: 843450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.3 | 20.4 | 60.4 |
| 76 | 10.6 | 0.0 | 31.9 |

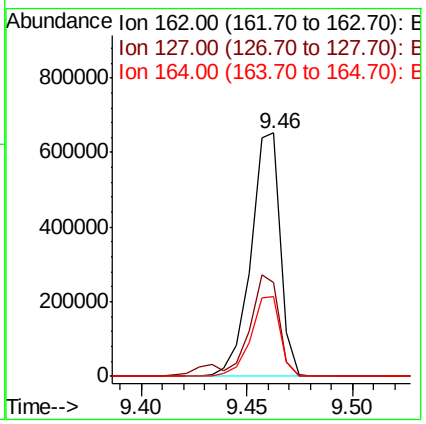





#47
2-Chloronaphthalene
Concen: 40.780 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:162 Resp: 636023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.7 | 32.6 | 48.8 |
| 164 | 32.9 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
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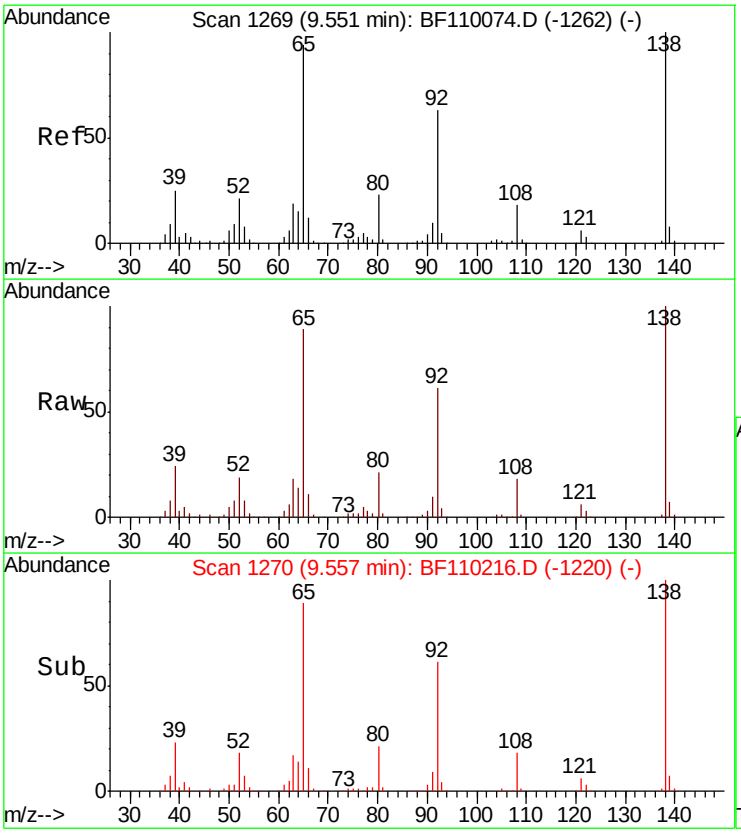
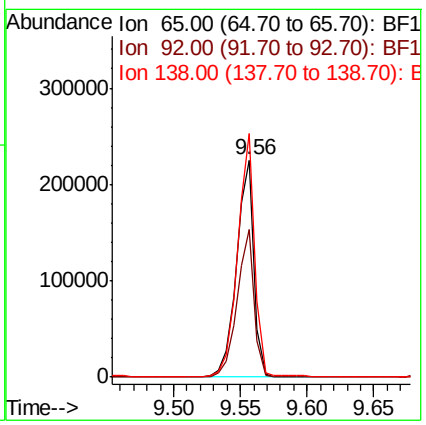
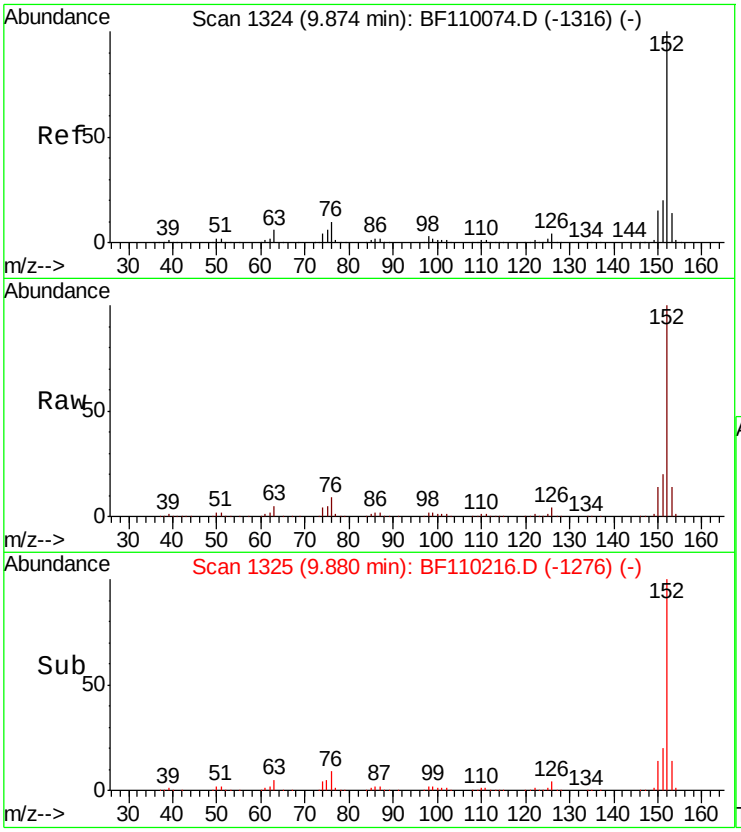



#48
2-Nitroaniline
Concen: 43.396 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 65 Resp: 205097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.3 | 54.6 | 81.8 |
| 138 | 112.2 | 80.3 | 120.5 |

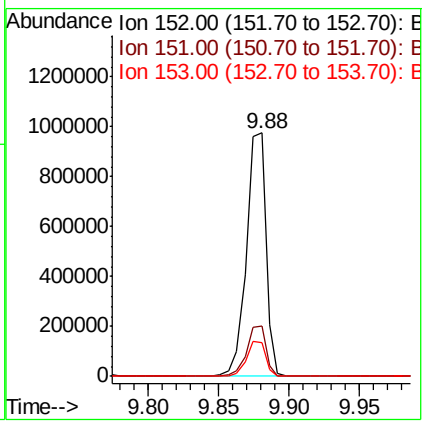





#49
Acenaphthylene
Concen: 42.192 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:152 Resp: 950430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 15.8 | 23.8 |
| 153 | 13.8 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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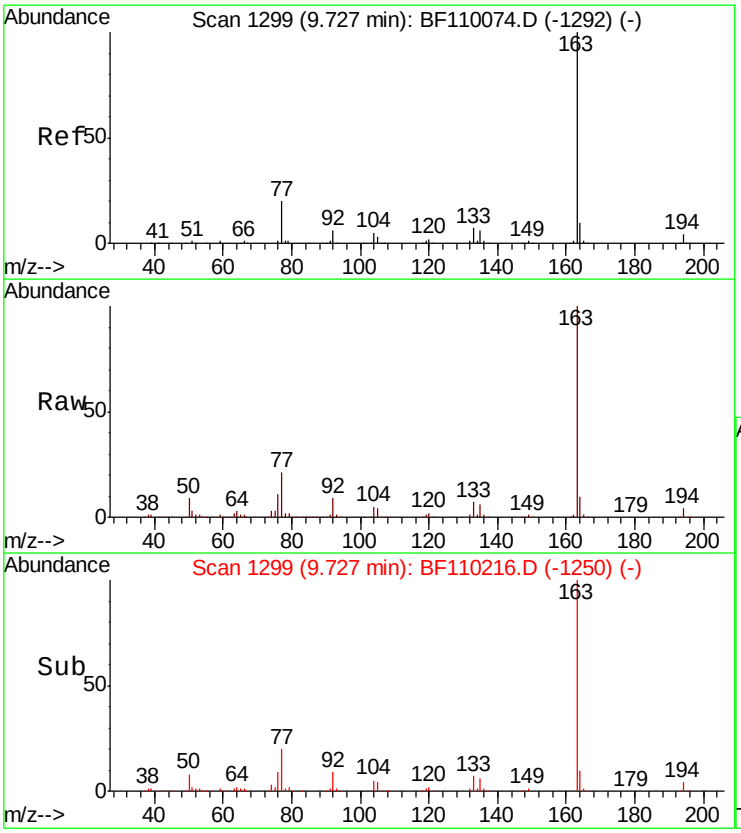
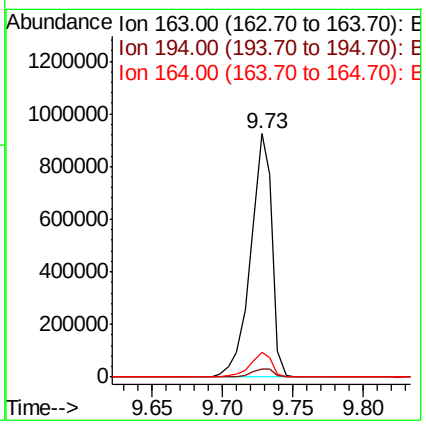
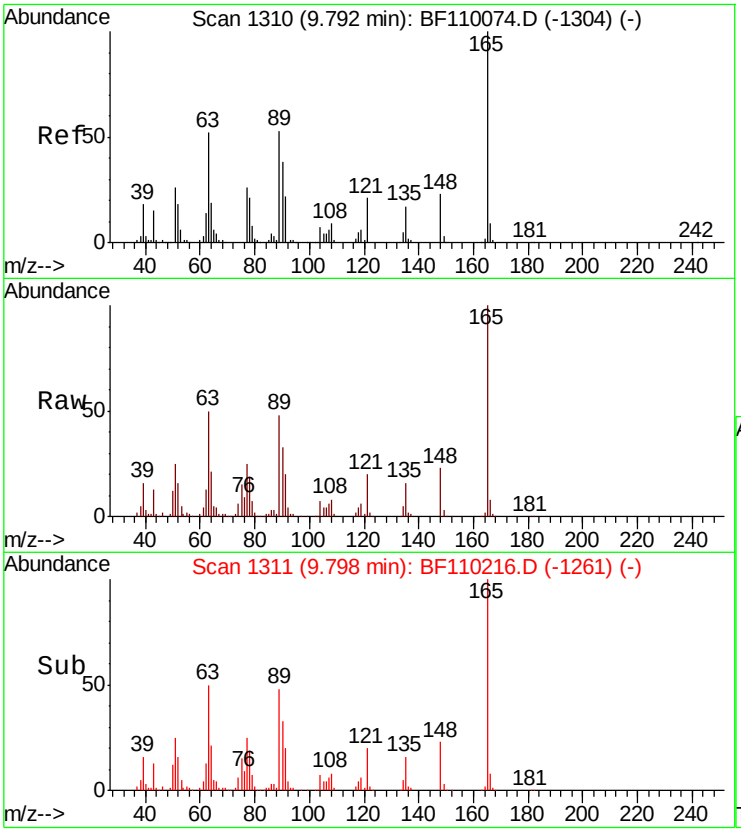



#50
Dimethylphthalate
Concen: 56.405 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:163 Resp: 978970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 3.2 | 4.8 |
| 164 | 10.2 | 8.1 | 12.1 |

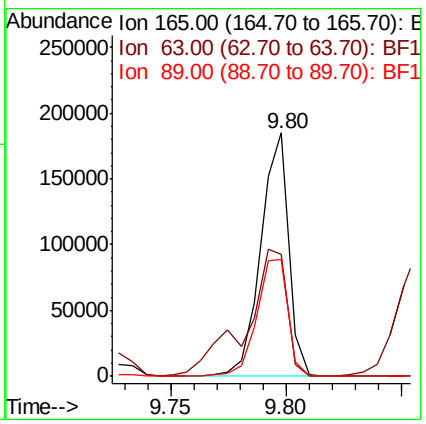





#51
2,6-Dinitrotoluene
Concen: 41.852 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:165 Resp: 156468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.1 | 48.9 | 73.3 |
| 89 | 48.2 | 46.6 | 69.8 |




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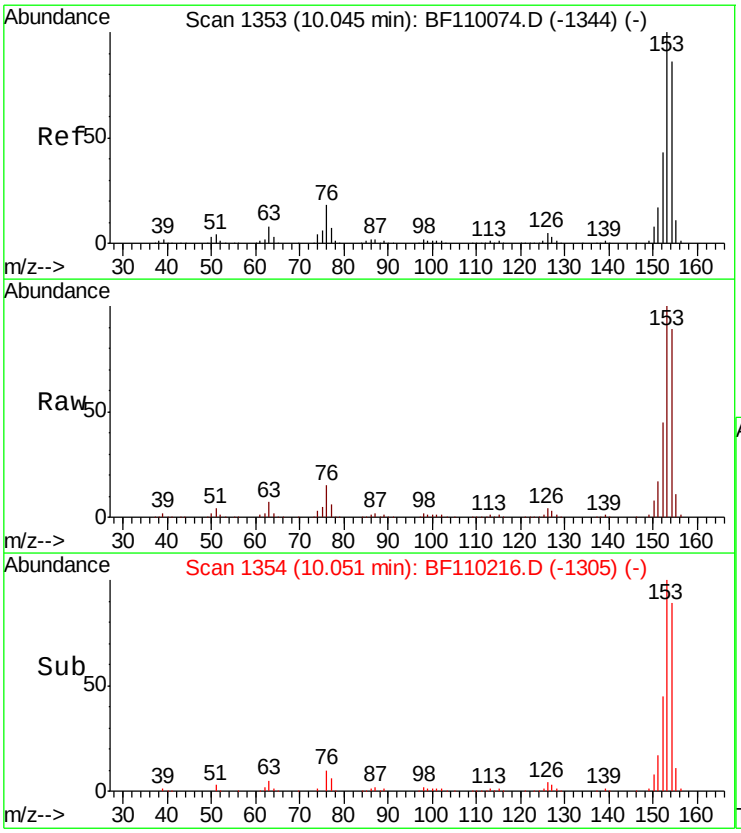
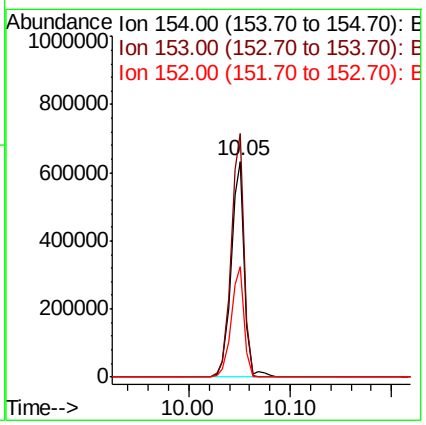
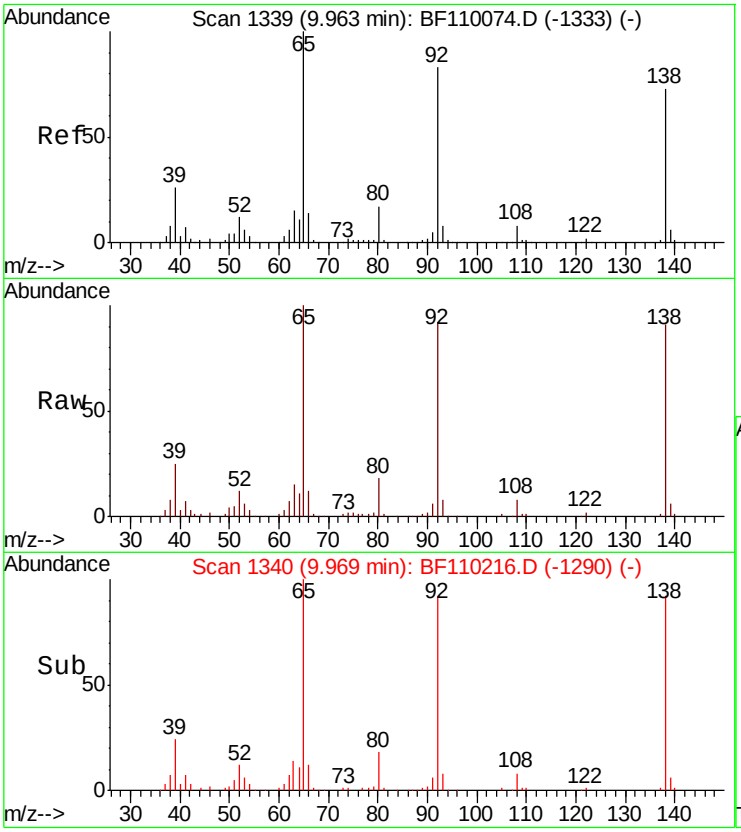



#52
Acenaphthene
Concen: 38.465 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:154 Resp: 573214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.8 | 90.1 | 135.1 |
| 152 | 51.0 | 43.4 | 65.2 |

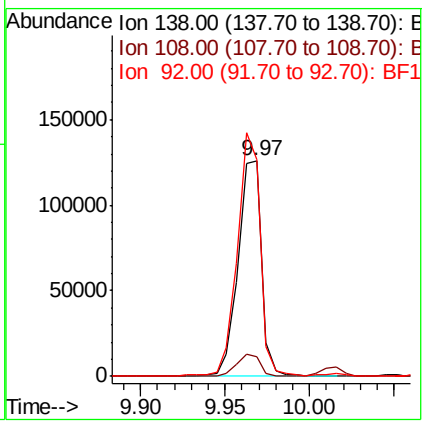





#53
3-Nitroaniline
Concen: 27.476 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:138 Resp: 122155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.3 | 8.7 | 13.1 |
| 92 | 100.6 | 97.0 | 145.4 |




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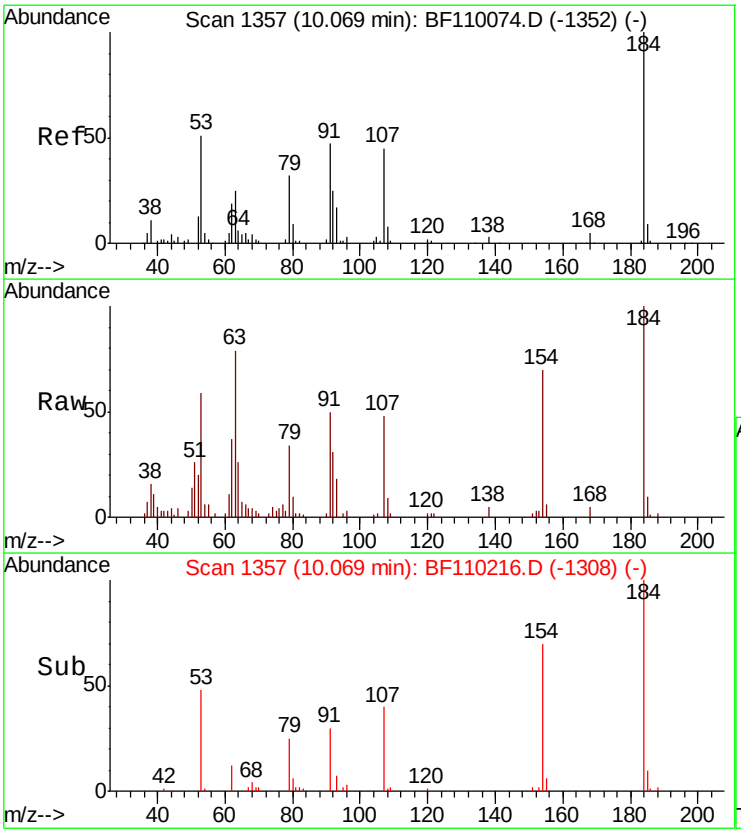
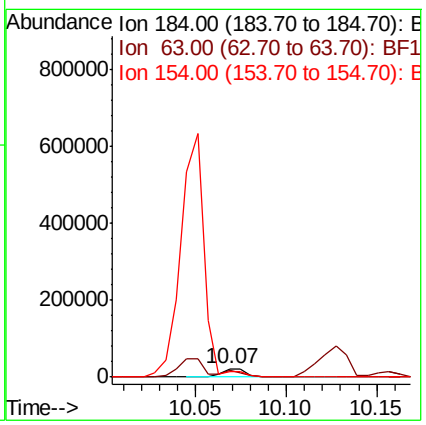
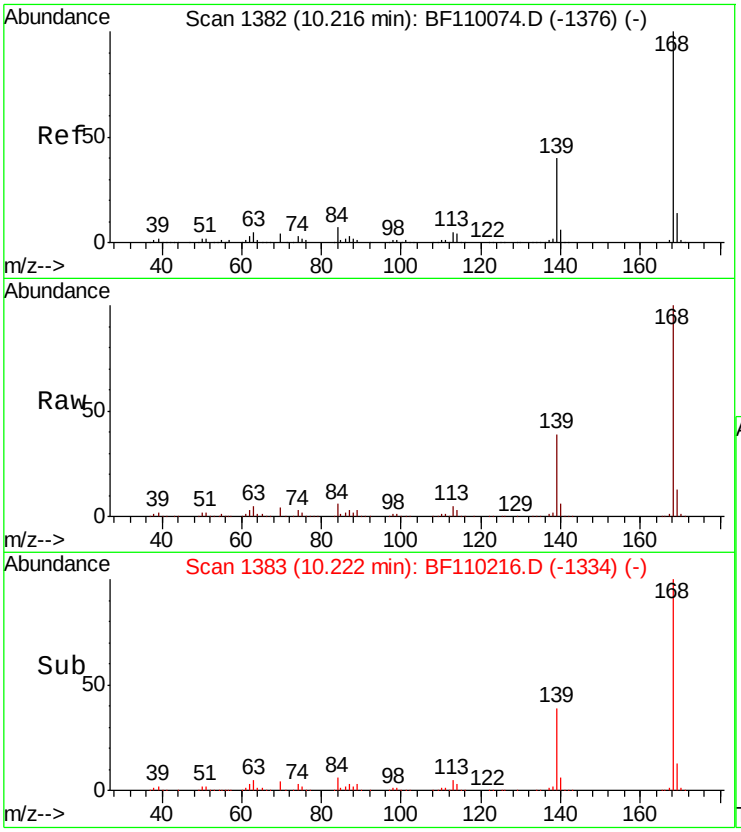



#54
2,4-Dinitrophenol
Concen: 18.285 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:184 Resp: 20797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 79.4 | 55.8 | 83.6 |
| 154 | 70.3 | 63.2 | 94.8 |

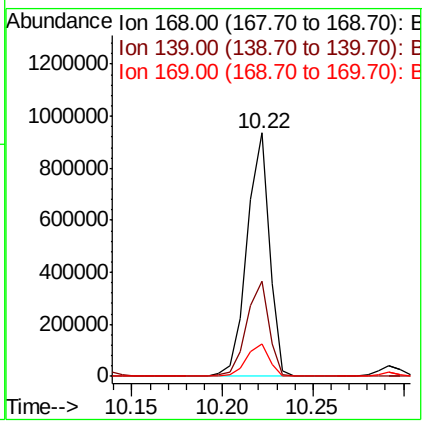





#55
Dibenzofuran
Concen: 38.490 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:168 Resp: 803083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.1 | 33.0 | 49.6 |
| 169 | 13.3 | 11.3 | 16.9 |




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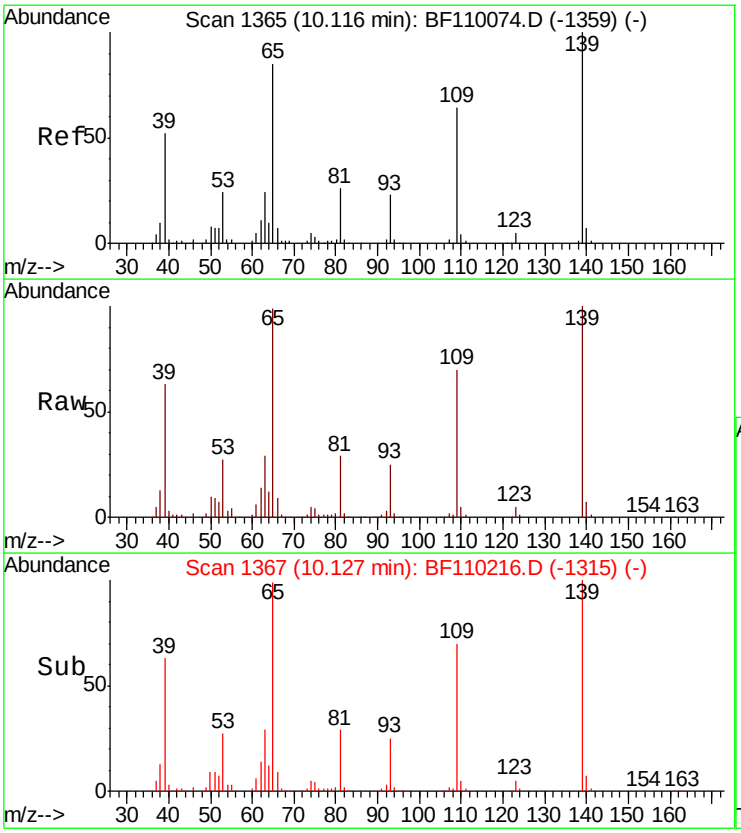
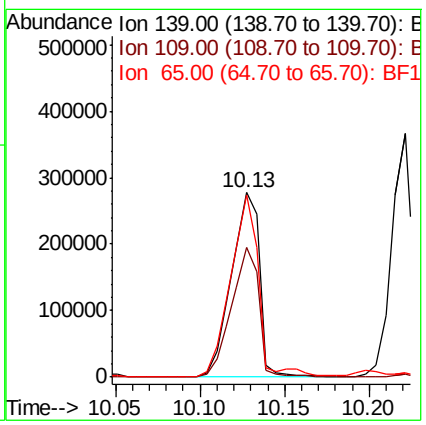
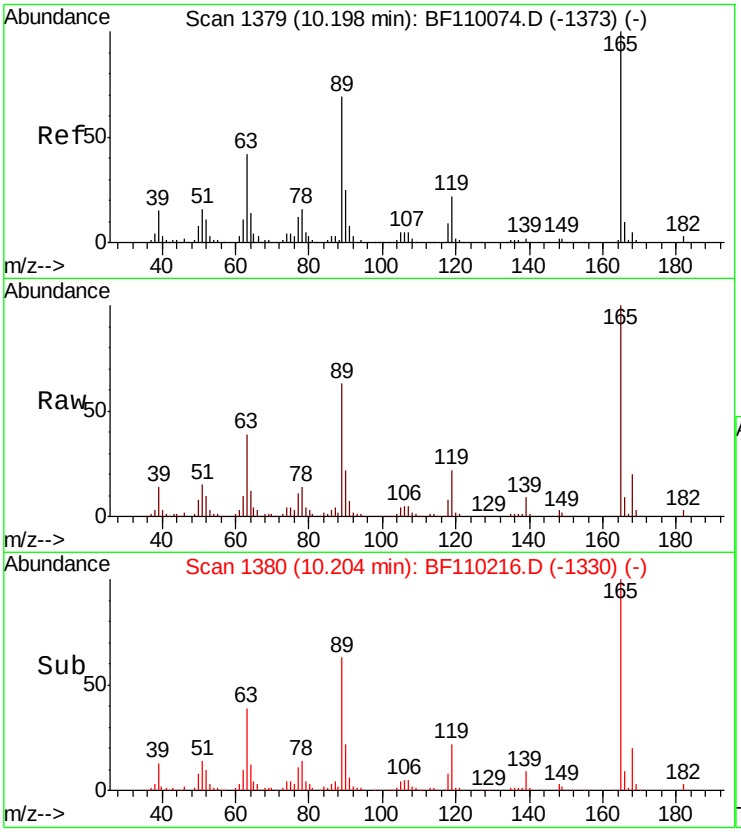



#56
4-Nitrophenol
Concen: 98.020 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:139 Resp: 322531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.1 | 55.8 | 95.8 |
| 65 | 98.9 | 77.9 | 117.9 |

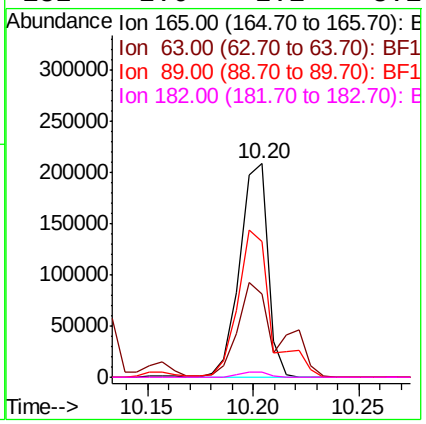





#57
2,4-Dinitrotoluene
Concen: 40.898 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:165 Resp: 194209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 38.8 | 44.8 | 67.2# |
| 89 | 63.3 | 62.2 | 93.4 |
| 182 | 2.6 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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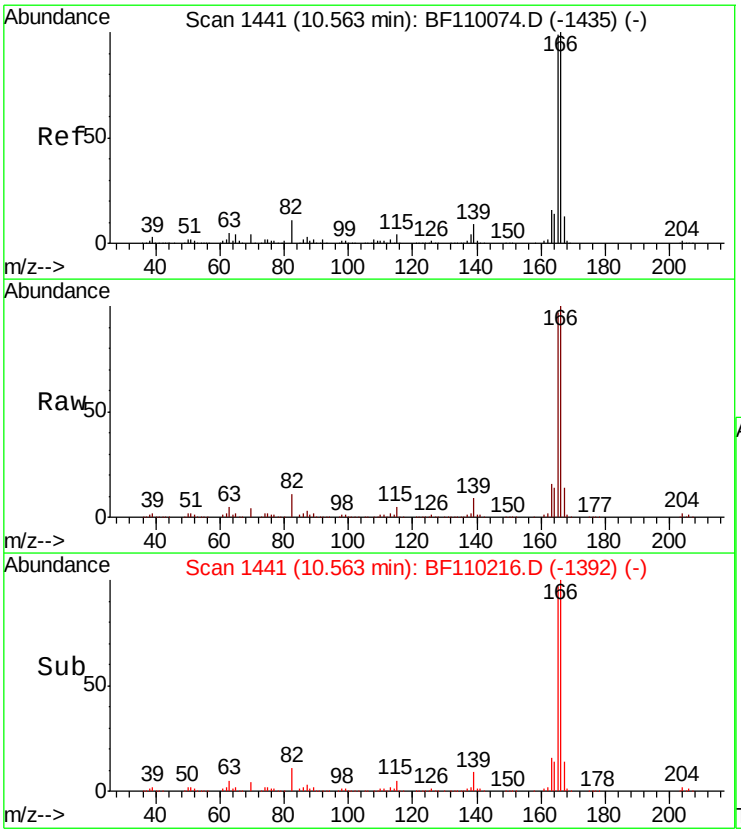
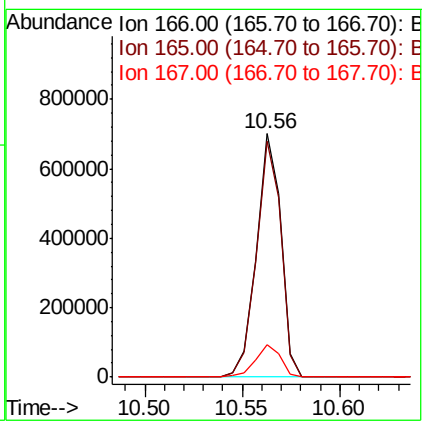
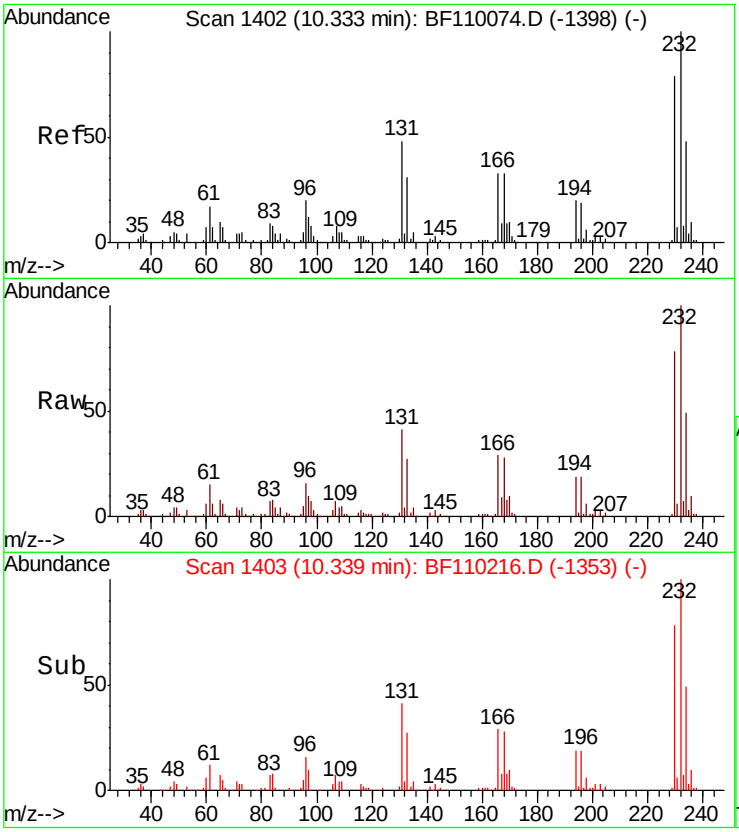



#58
Fluorene
Concen: 39.180 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:166 Resp: 608402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 78.6 | 117.8 |
| 167 | 13.5 | 10.8 | 16.2 |

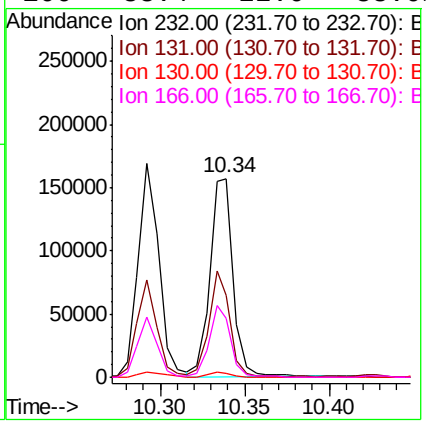





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.133 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:232 Resp: 151172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.9 | 37.0 | 55.4 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 33.4 | 22.0 | 33.0# |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
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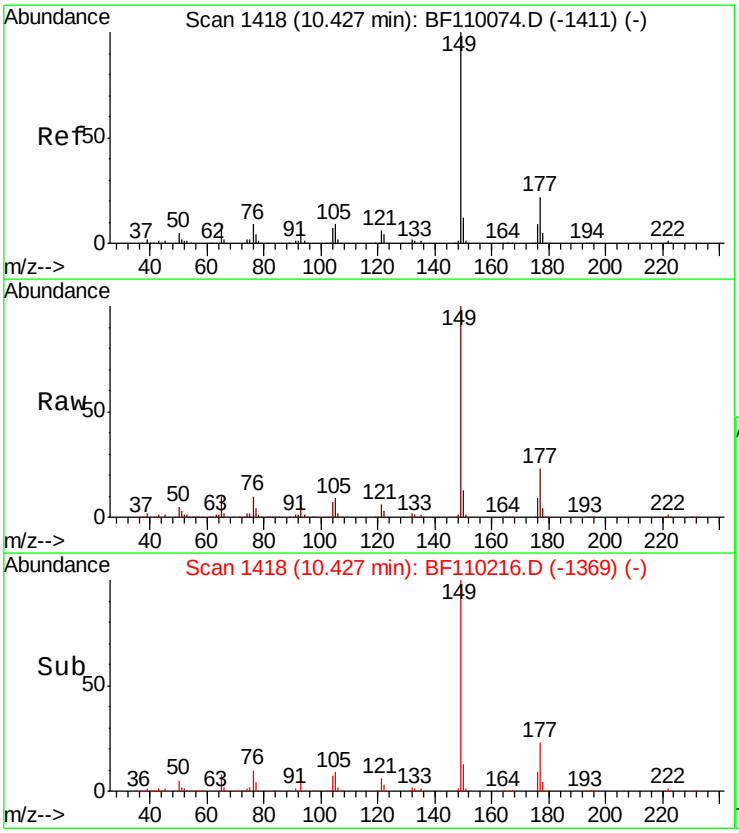
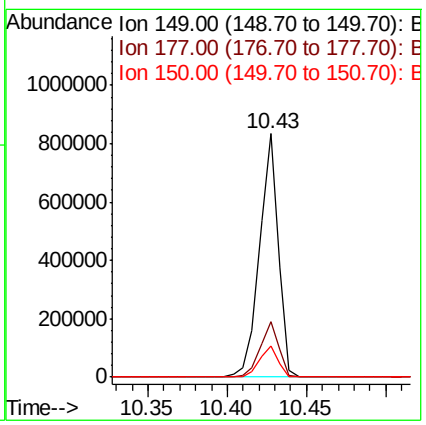
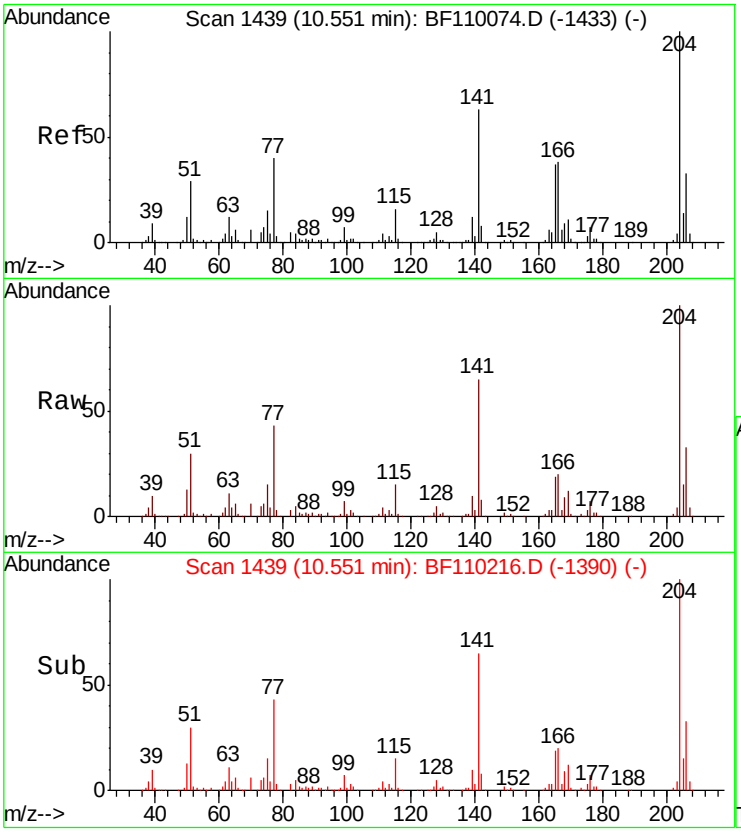



#60
Diethylphthalate
Concen: 41.206 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:149 Resp: 698122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 17.4 | 26.2 |
| 150 | 12.6 | 9.8 | 14.8 |

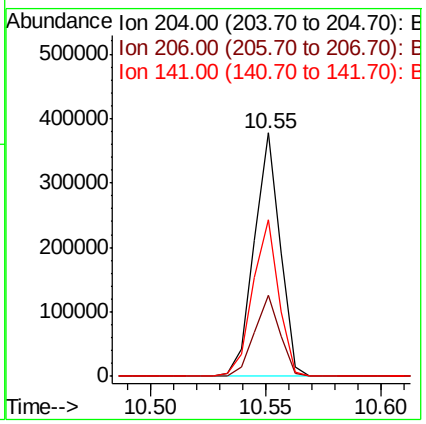





#61
4-Chlorophenyl-phenylether
Concen: 36.396 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:204 Resp: 298150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.4 | 26.5 | 39.7 |
| 141 | 64.6 | 51.8 | 77.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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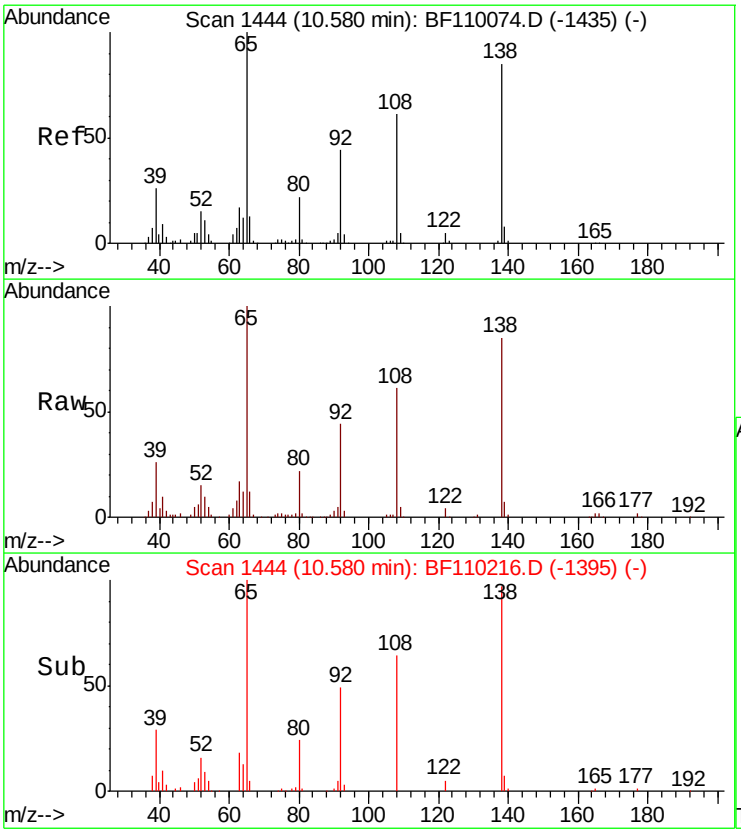
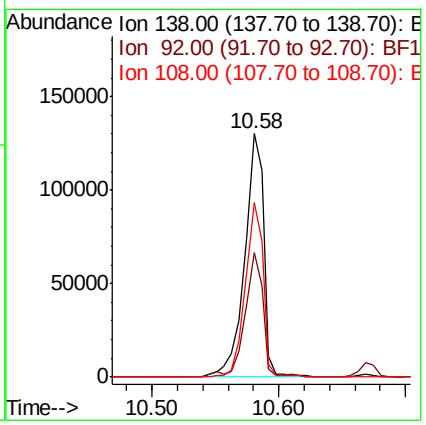
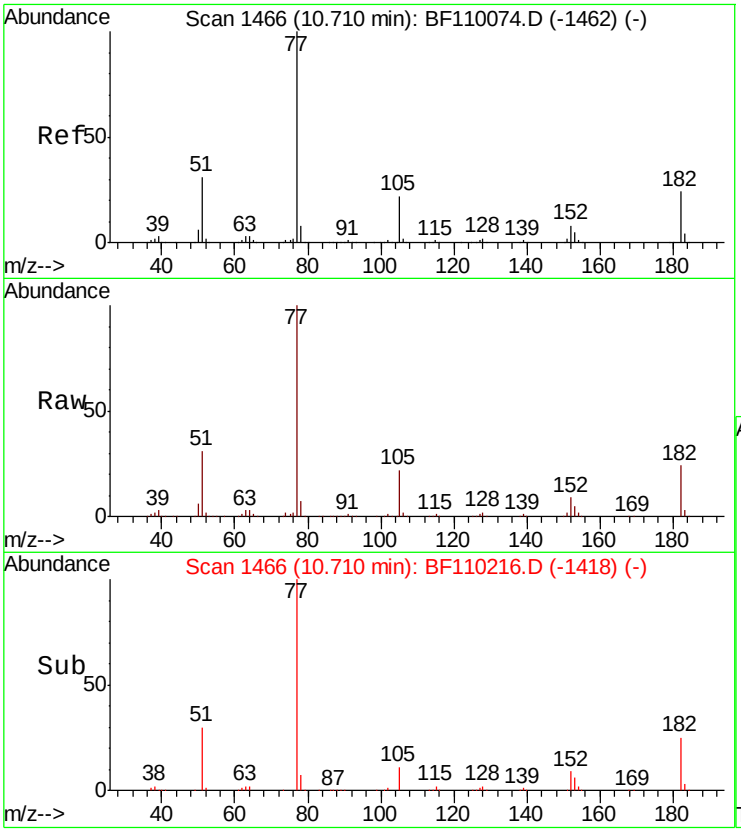



#62
4-Nitroaniline
Concen: 30.848 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:138 Resp: 136405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.1 | 31.7 | 71.7 |
| 108 | 71.6 | 59.3 | 99.3 |

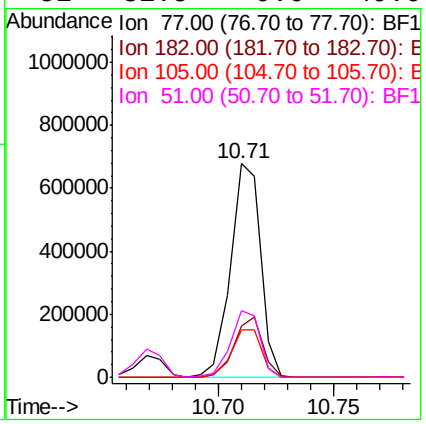





#63
Azobenzene
Concen: 36.691 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion: 77 Resp: 617042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.8 | 4.3 | 44.3 |
| 105 | 22.1 | 1.3 | 41.3 |
| 51 | 31.5 | 9.0 | 49.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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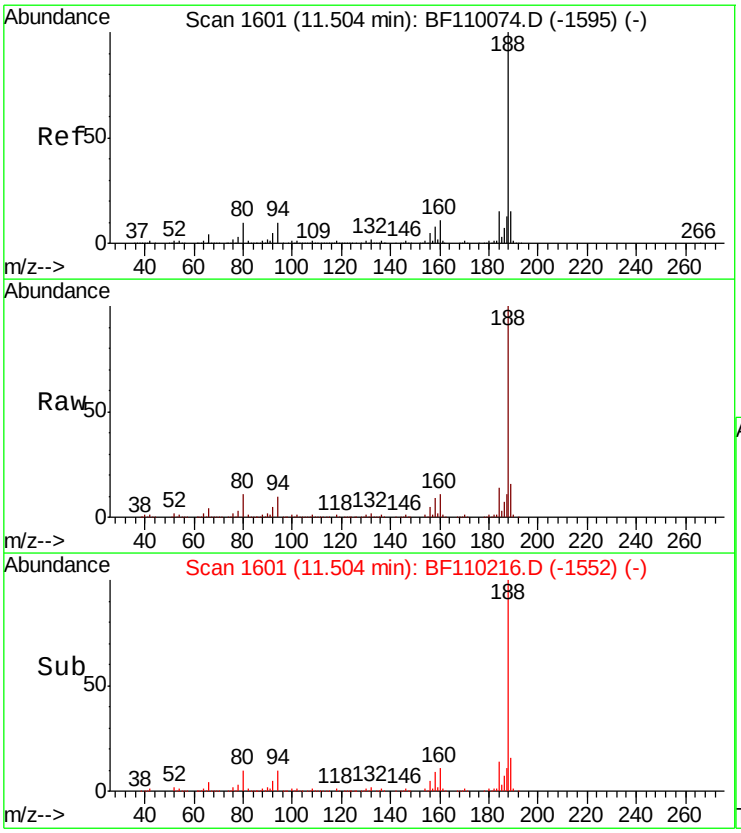
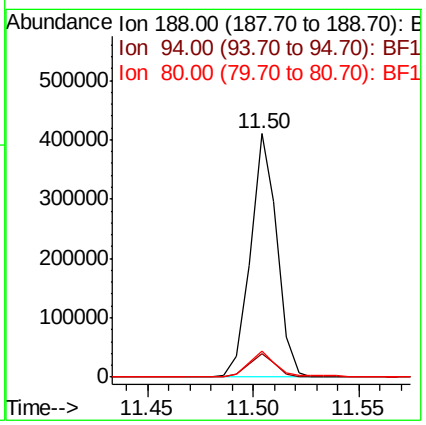
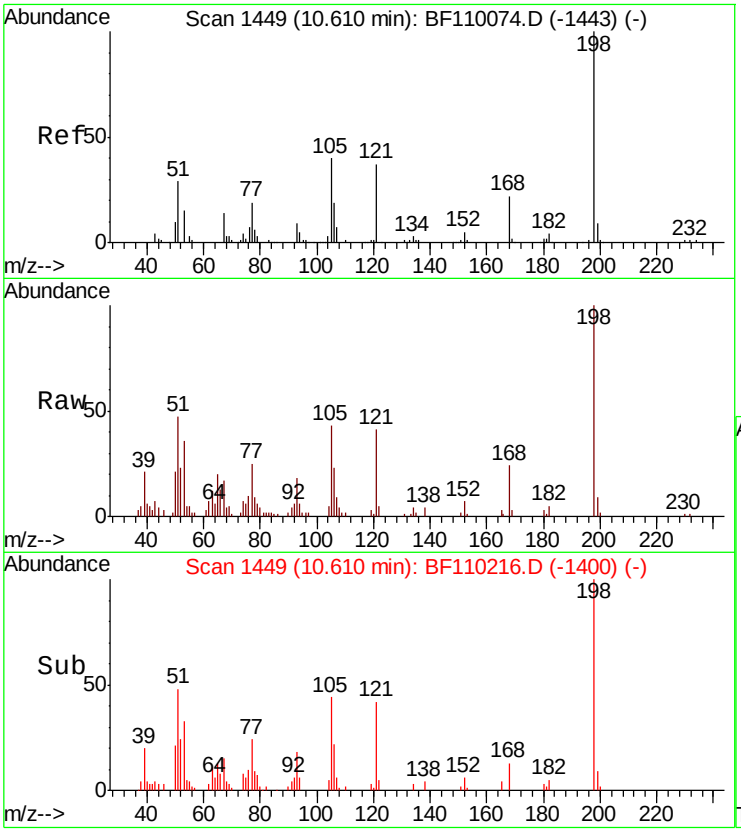



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:188 Resp: 356660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 7.2 | 10.8 |
| 80 | 10.5 | 7.9 | 11.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 13.056 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:198 Resp: 21274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.9 | 22.8 | 62.8 |
| 105 | 43.1 | 23.6 | 63.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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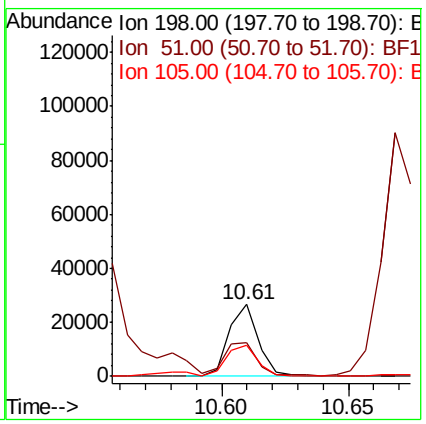
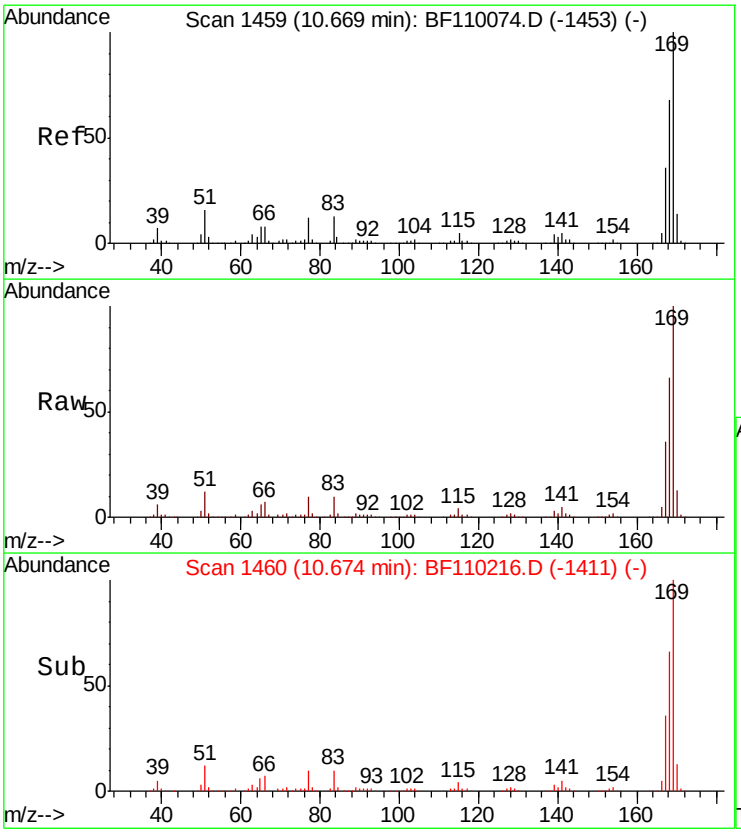
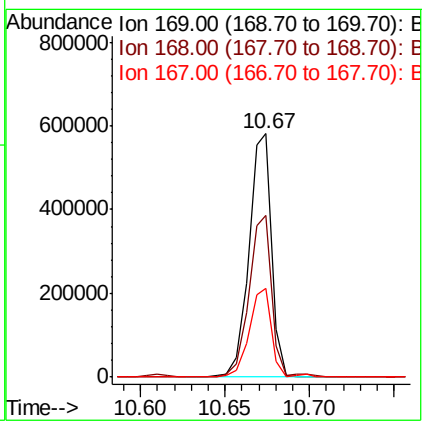


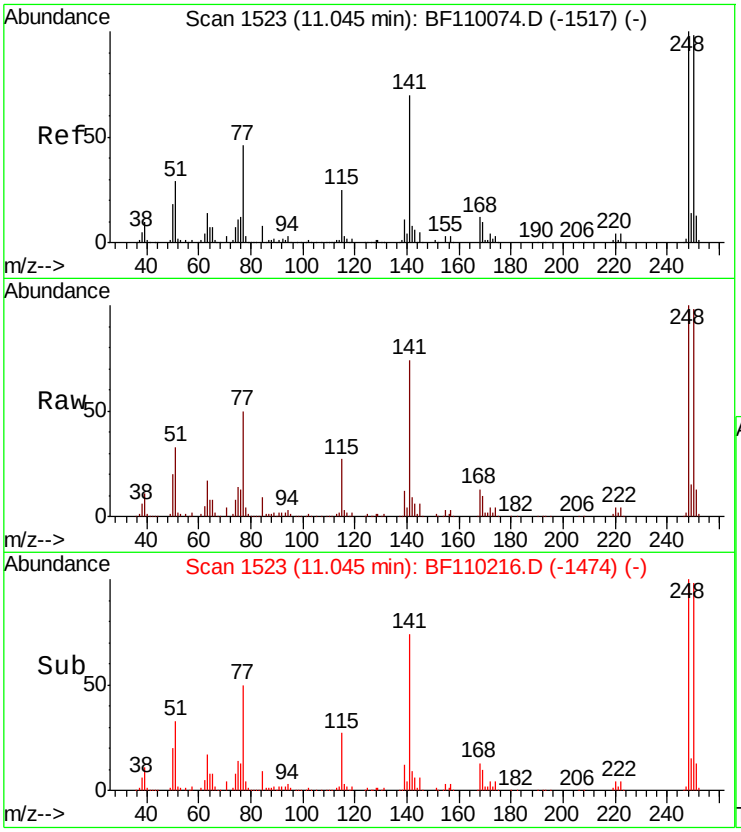




#66
n-Nitrosodiphenylamine
Concen: 46.407 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:169 Resp: 542892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 51.2 | 76.8 |
| 167 | 36.3 | 27.8 | 41.6 |






#67
4-Bromophenyl-phenylether
Concen: 43.142 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:248 Resp: 166905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.1 | 79.4 | 119.2 |
| 141 | 74.3 | 55.9 | 83.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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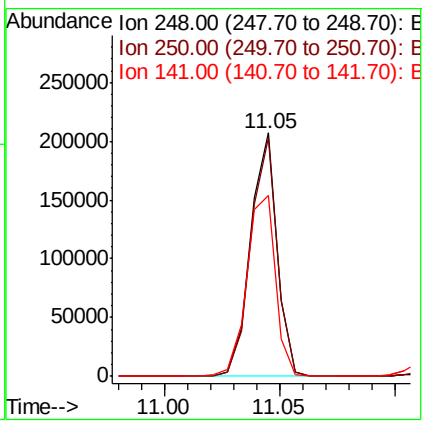
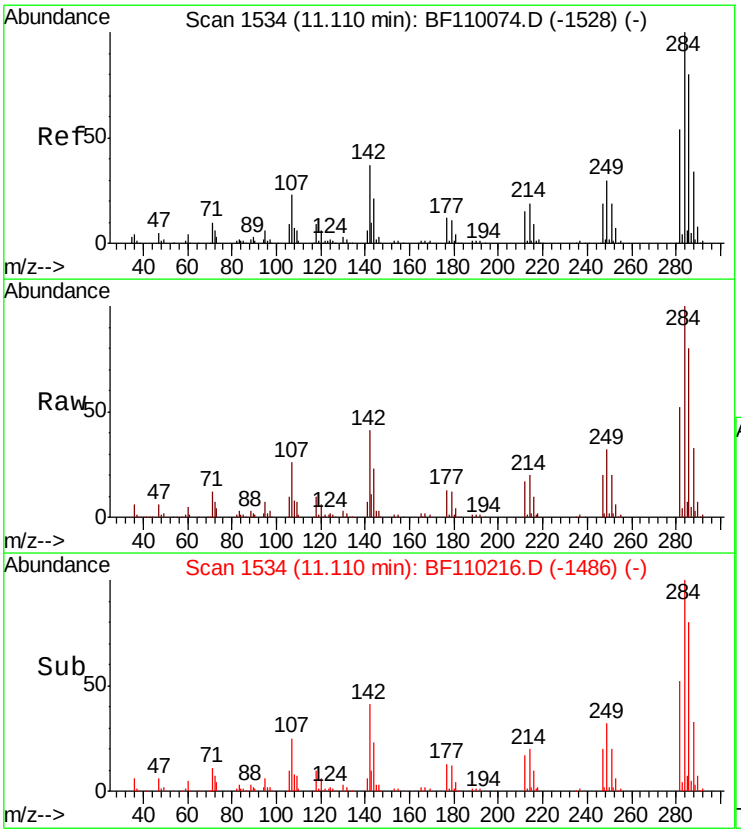
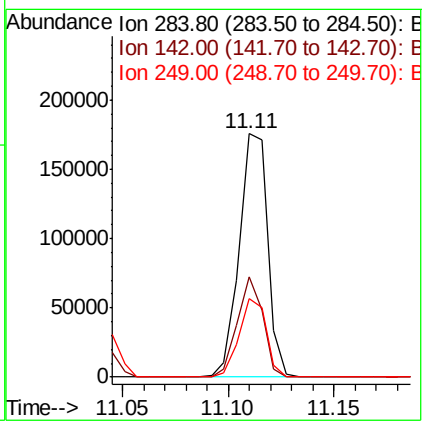


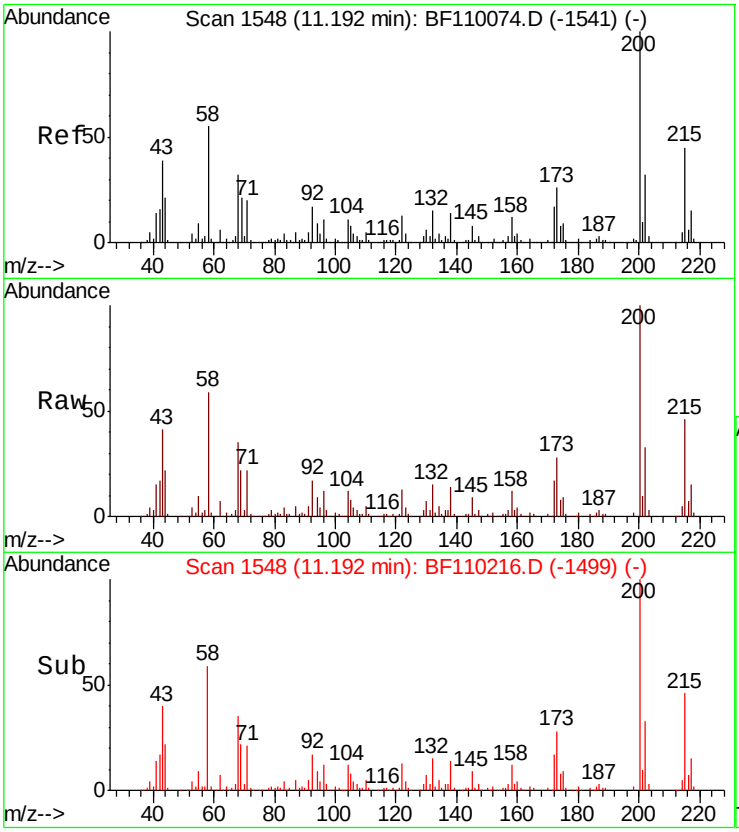




#68
Hexachlorobenzene
Concen: 39.955 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:284 Resp: 164007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 41.4 | 23.9 | 35.9# |
| 249 | 32.2 | 24.2 | 36.2 |

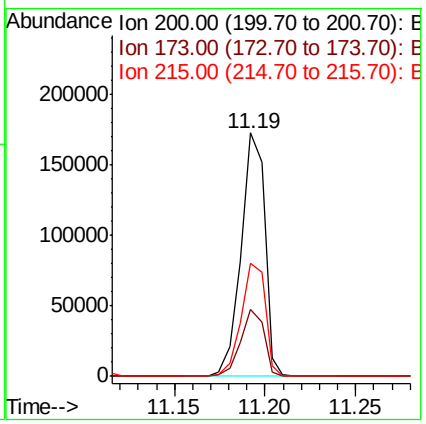





#69
Atrazine
Concen: 42.472 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:200 Resp: 157017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 6.6 | 46.6 |
| 215 | 46.3 | 26.3 | 66.3 |




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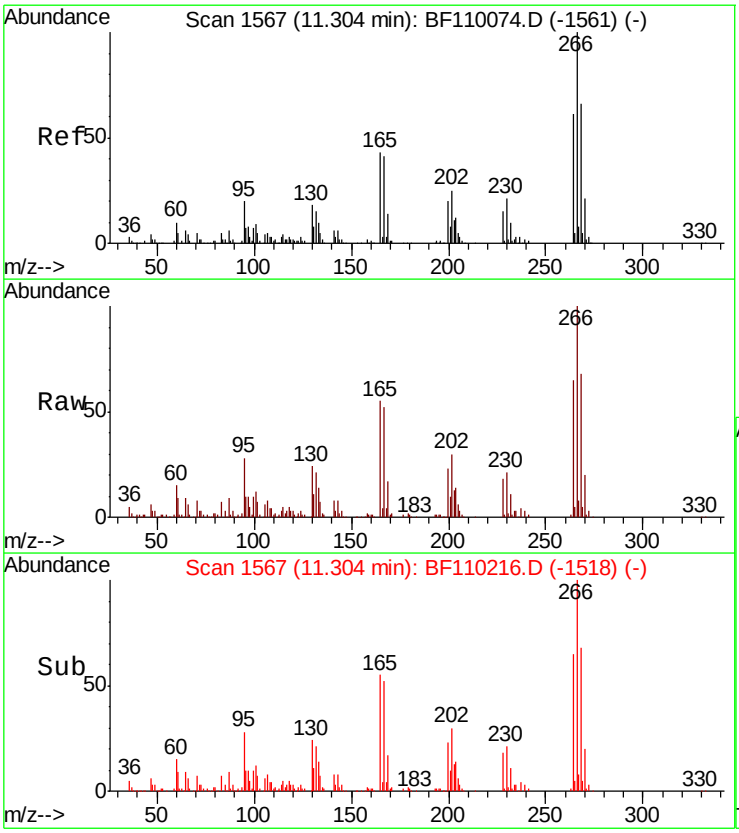
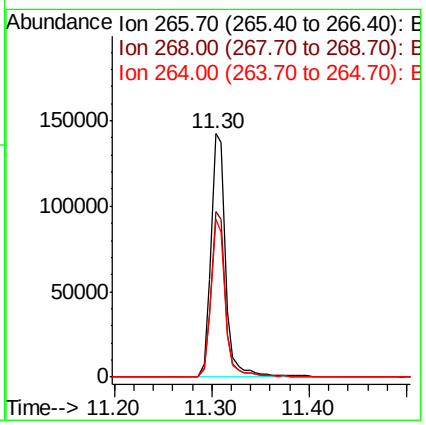
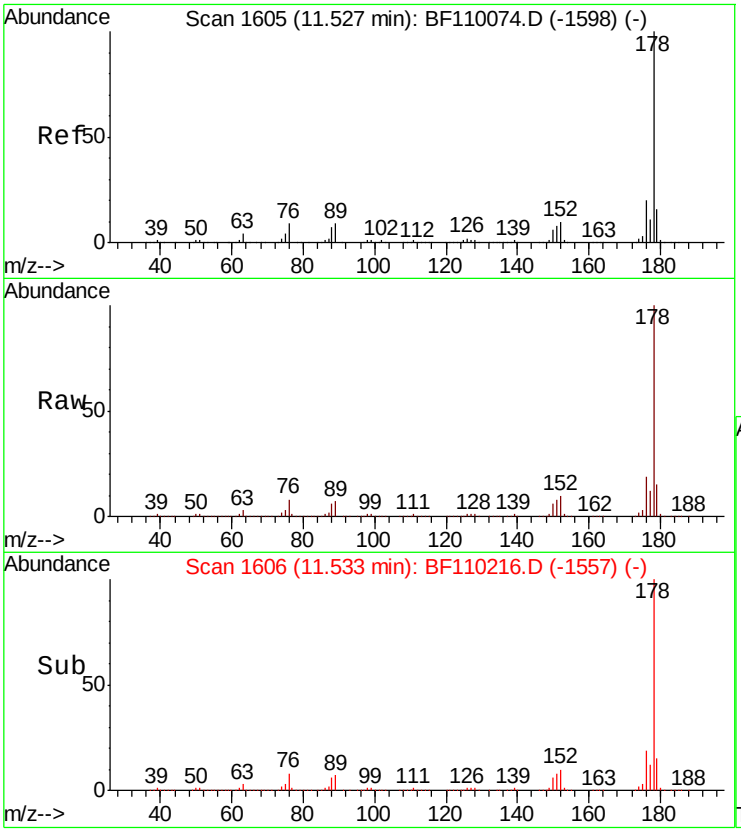



#70
Pentachlorophenol
Concen: 62.563 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:266 Resp: 149749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 68.0 | 50.6 | 75.8 |
| 264 | 64.6 | 50.6 | 75.8 |

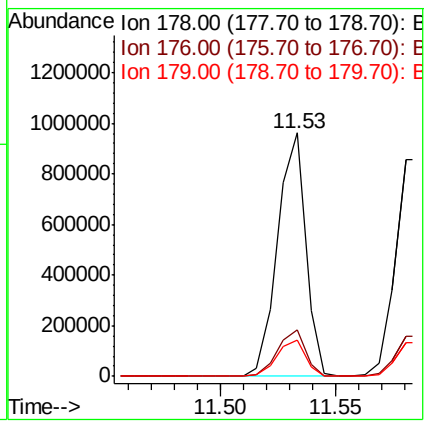





#71
Phenanthrene
Concen: 43.600 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:178 Resp: 813660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.5 | 23.3 |
| 179 | 15.1 | 12.5 | 18.7 |




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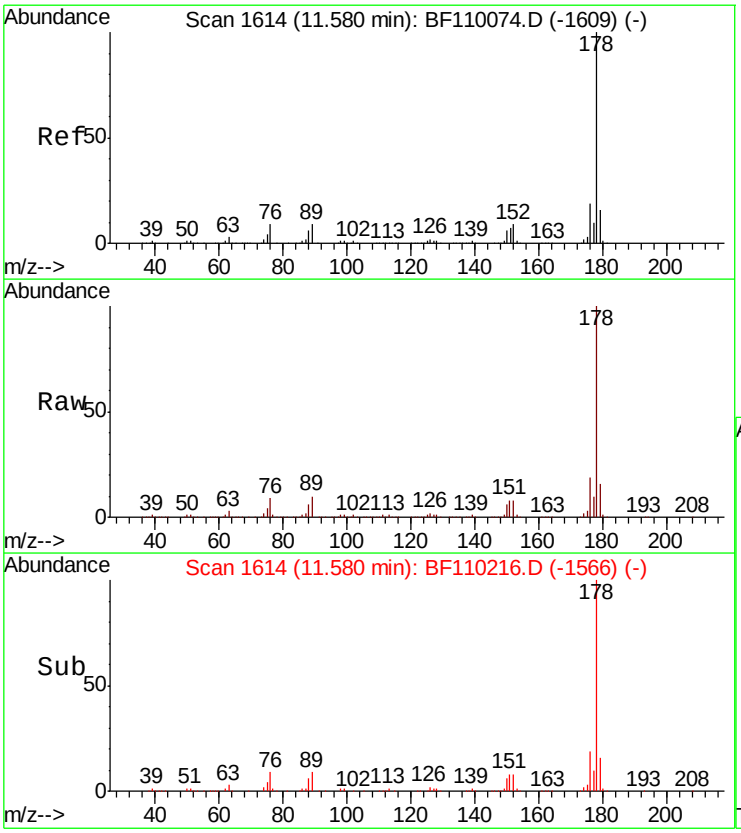
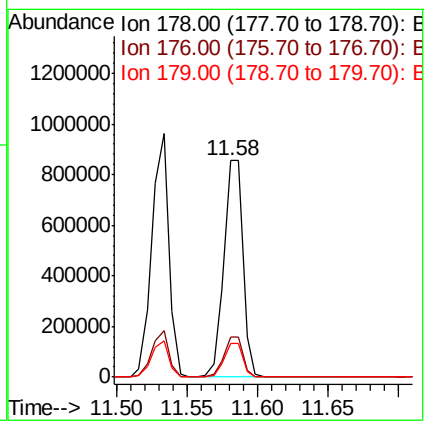
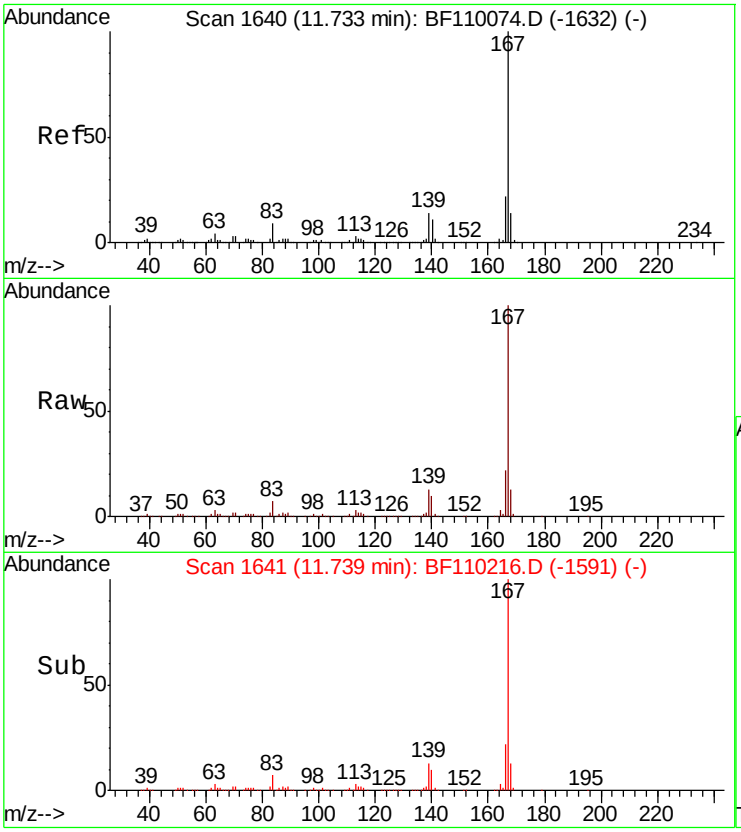



#72
Anthracene
Concen: 43.235 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:178 Resp: 808751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.9 | 12.6 | 18.8 |

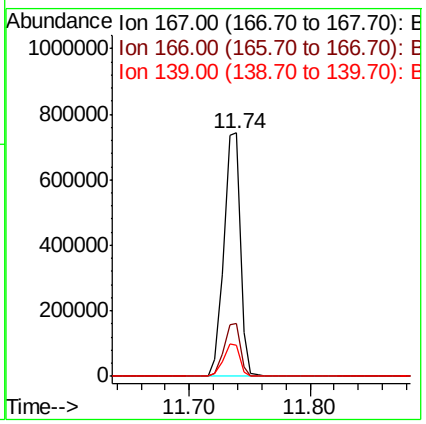





#73
Carbazole
Concen: 38.669 ng
RT: 11.74 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:167 Resp: 706251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.0 |
| 139 | 12.5 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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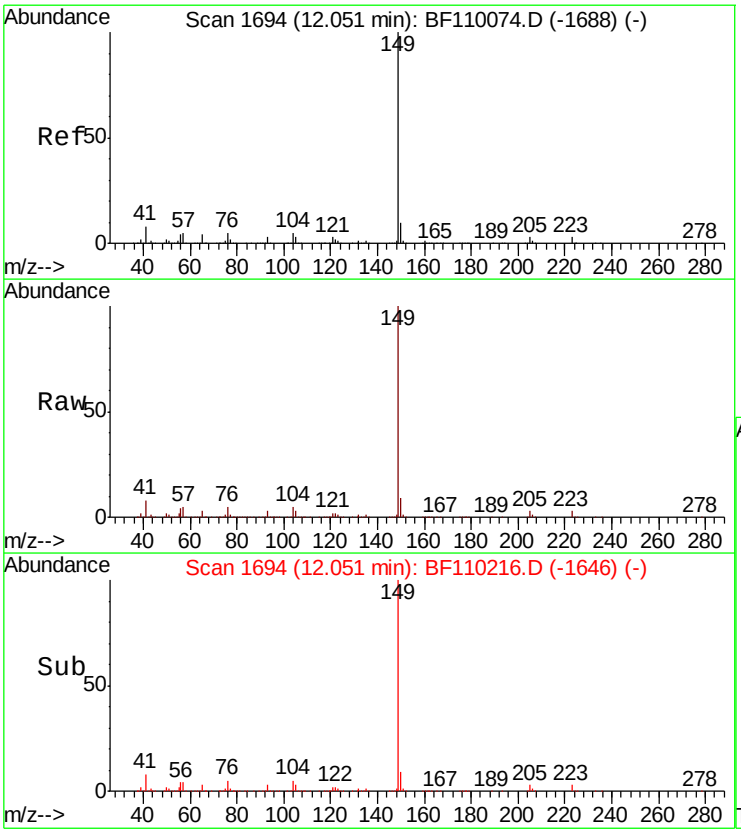
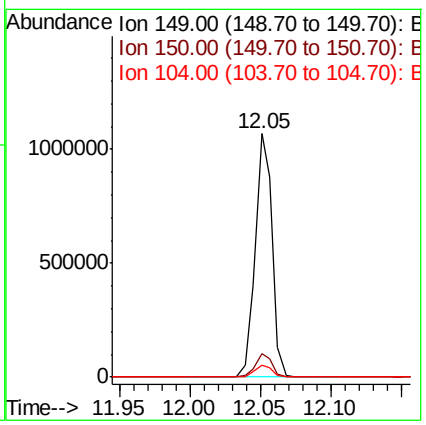
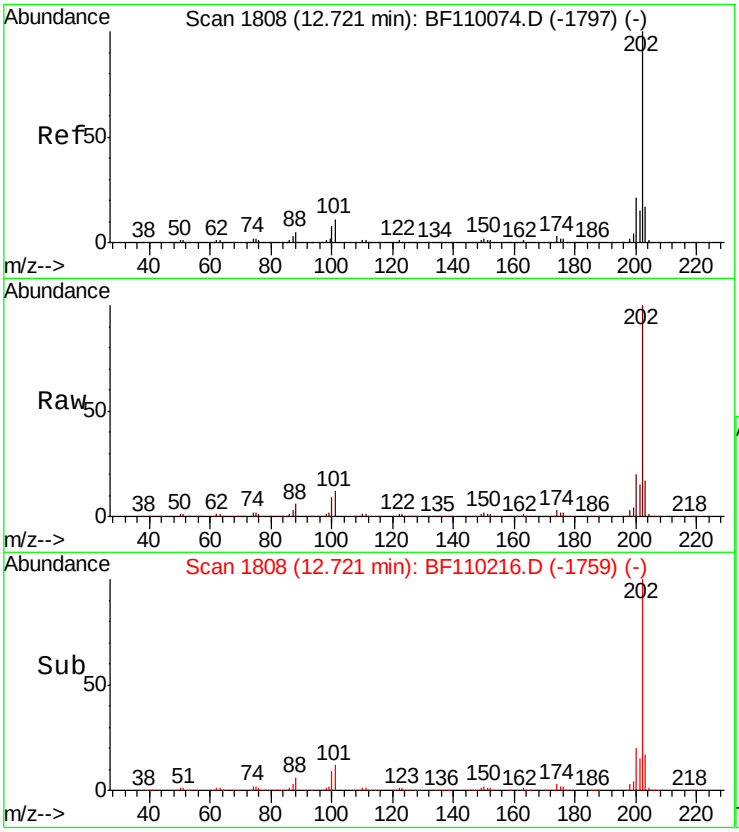



#74
Di-n-butylphthalate
Concen: 43.621 ng
RT: 12.05 min Scan# 1694
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:149 Resp: 899802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.7 | 11.5 |
| 104 | 5.1 | 4.2 | 6.4 |

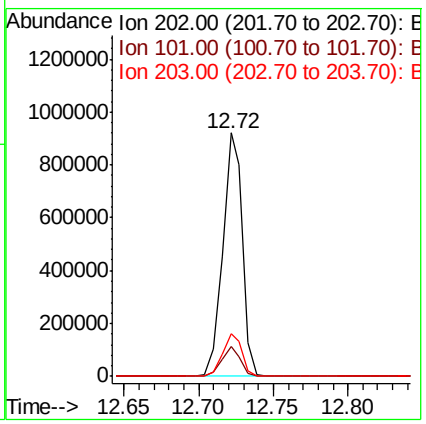





#75
Fluoranthene
Concen: 45.226 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:202 Resp: 856567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 31.4 |
| 203 | 17.5 | 0.0 | 37.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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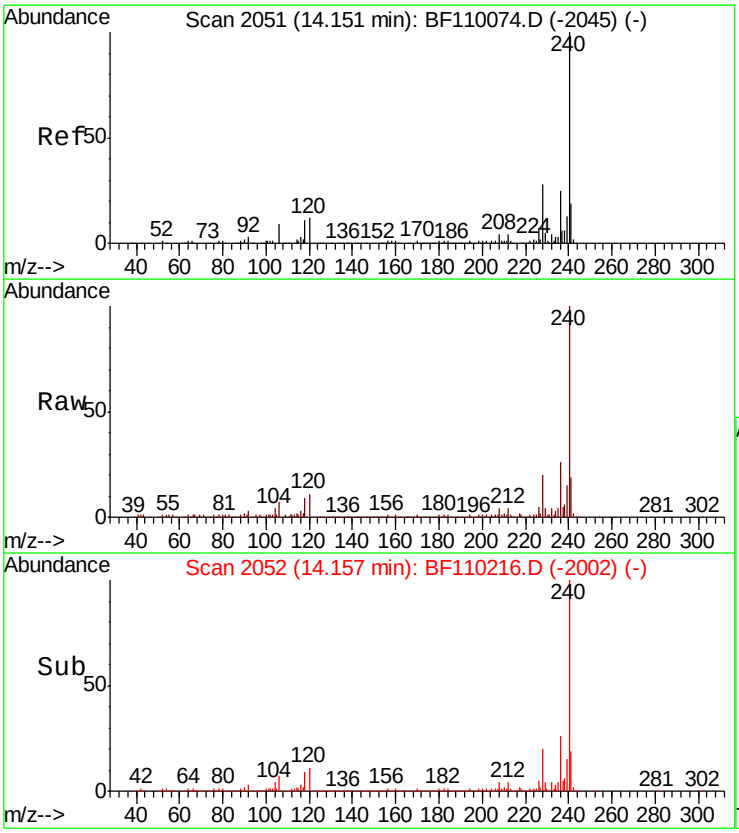
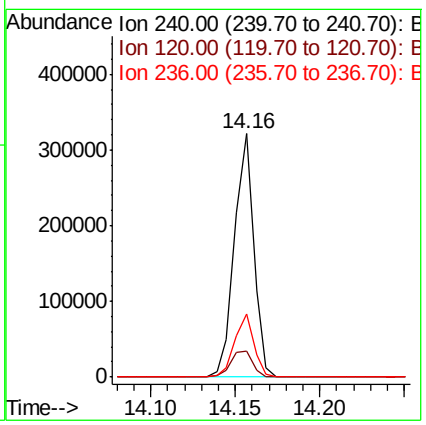
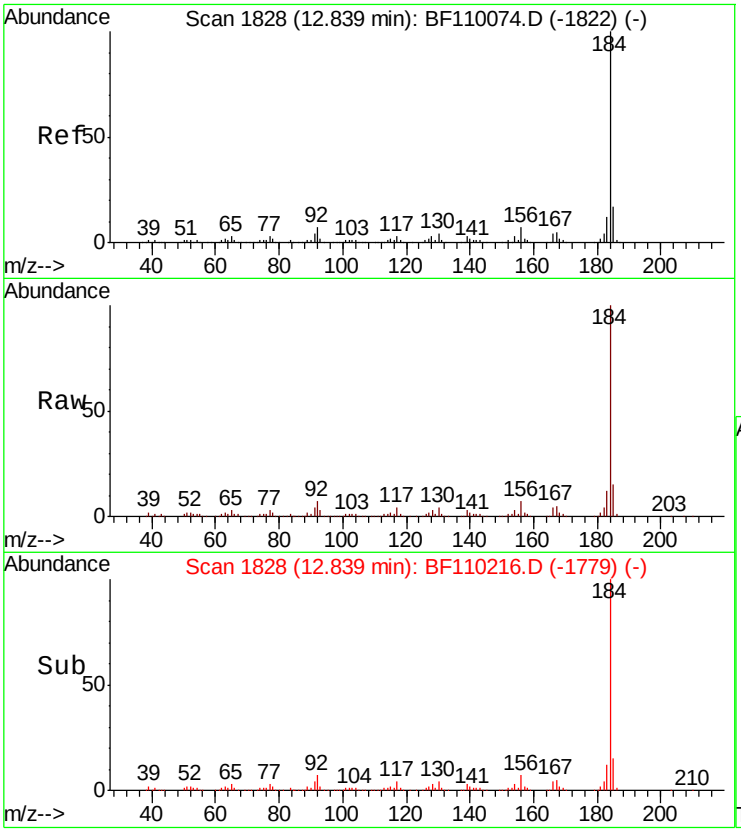



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:240 Resp: 255925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.7 | 8.3 | 12.5 |
| 236 | 25.8 | 21.2 | 31.8 |

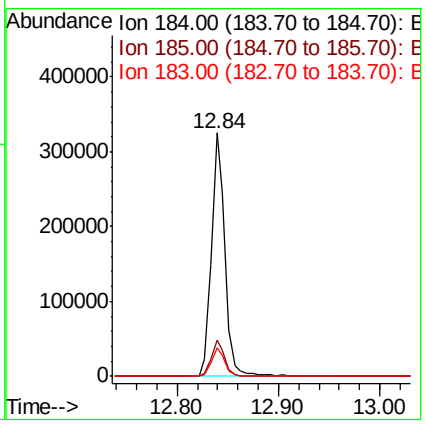





#77
Benzidine
Concen: 39.272 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:184 Resp: 300866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 13.4 | 20.2 |
| 183 | 11.5 | 9.4 | 14.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
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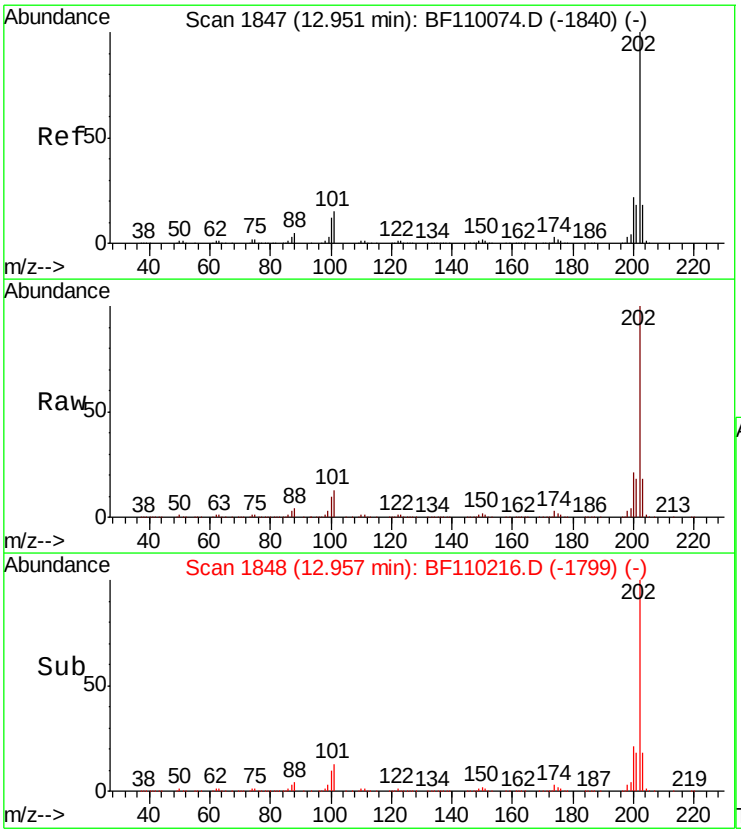
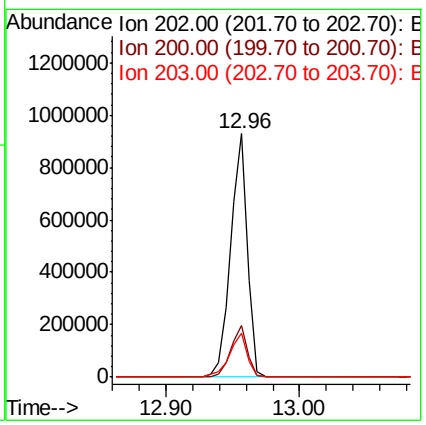
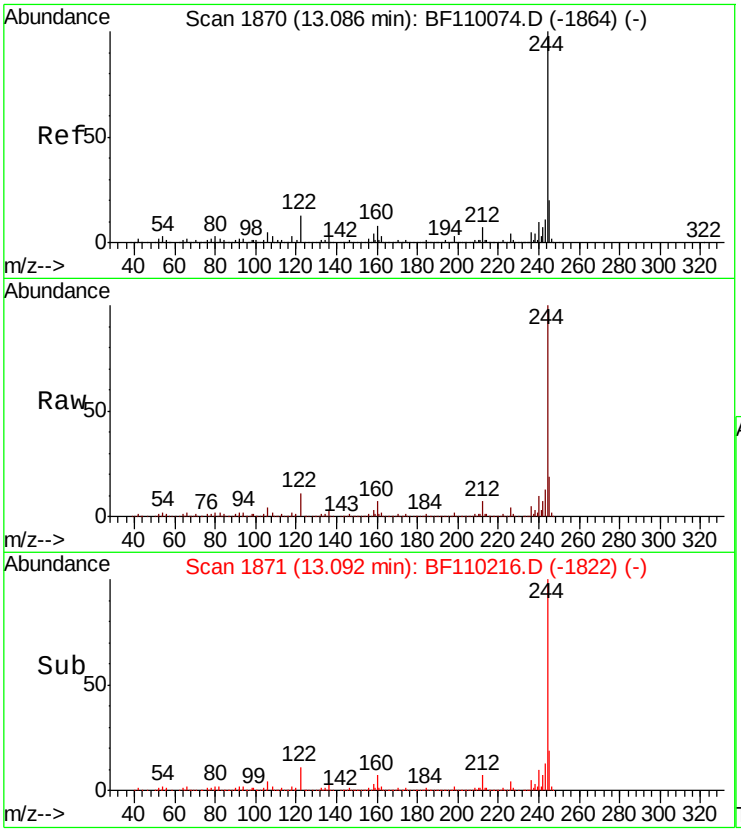



#78
Pyrene
Concen: 44.842 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:202 Resp: 822736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.8 | 26.6 |
| 203 | 17.9 | 14.2 | 21.4 |

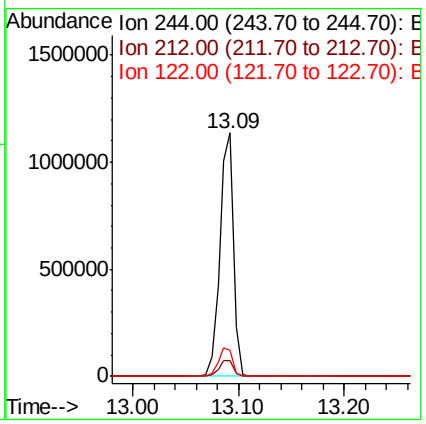





#79
Terphenyl-d14
Concen: 83.685 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:244 Resp: 1029813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.8 | 8.8 |
| 122 | 10.7 | 8.7 | 13.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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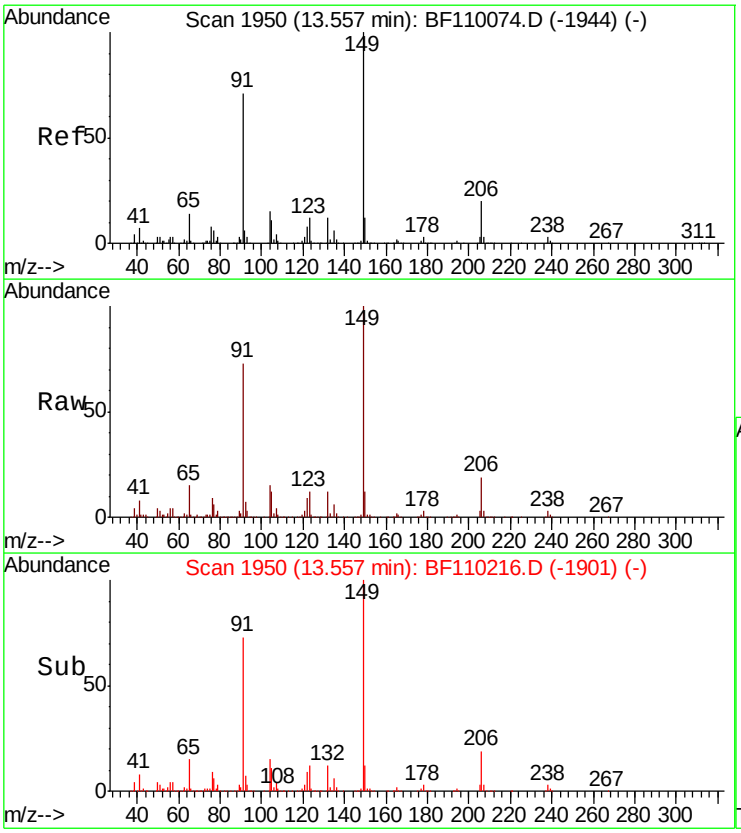
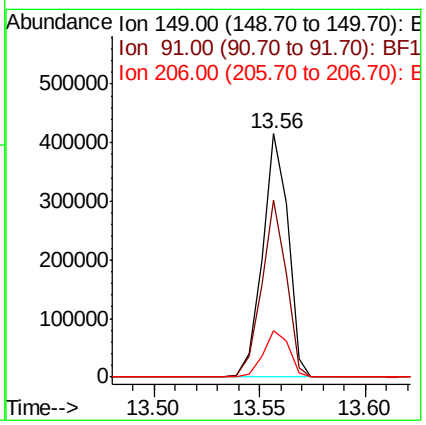
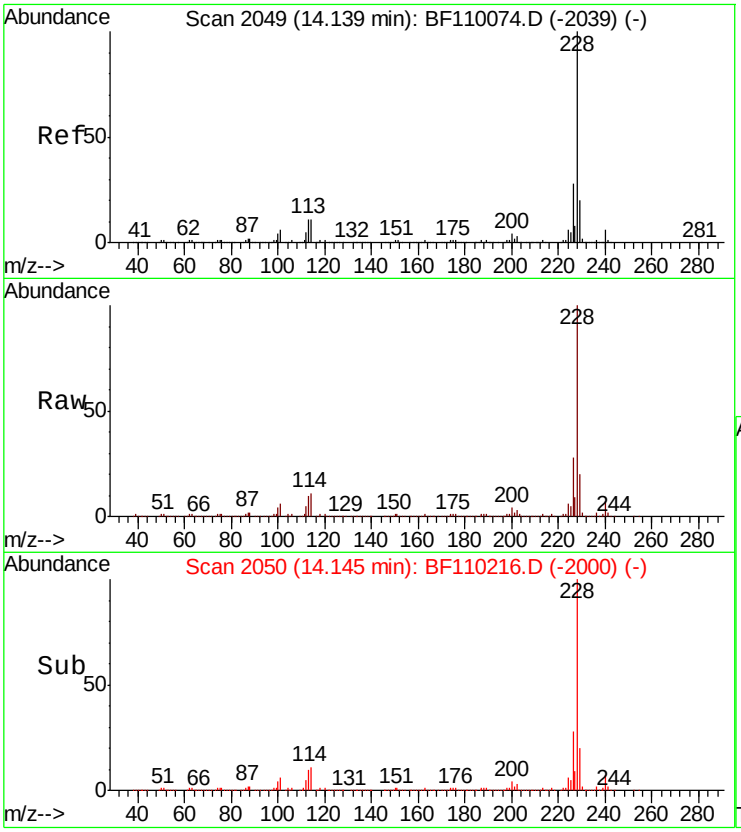



#80
Butylbenzylphthalate
Concen: 43.865 ng
RT: 13.56 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:149 Resp: 349329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.0 | 57.2 | 85.8 |
| 206 | 19.2 | 15.7 | 23.5 |

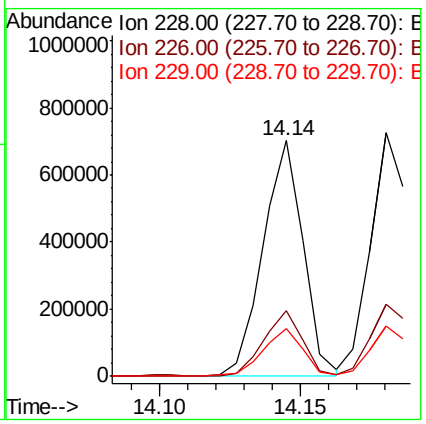





#81
Benzo(a)anthracene
Concen: 45.448 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:228 Resp: 689764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 22.1 | 33.1 |
| 229 | 20.0 | 15.6 | 23.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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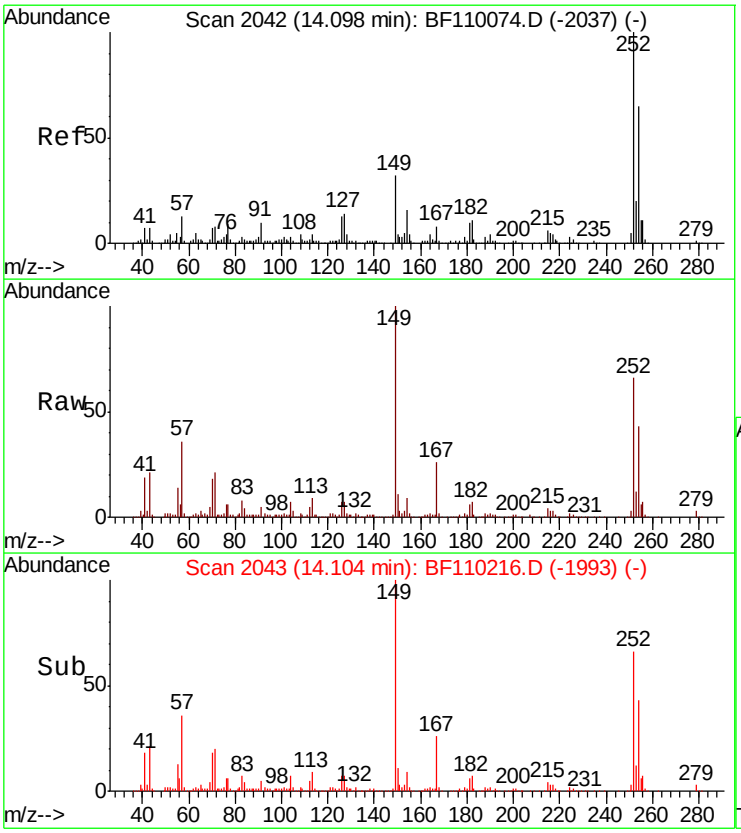
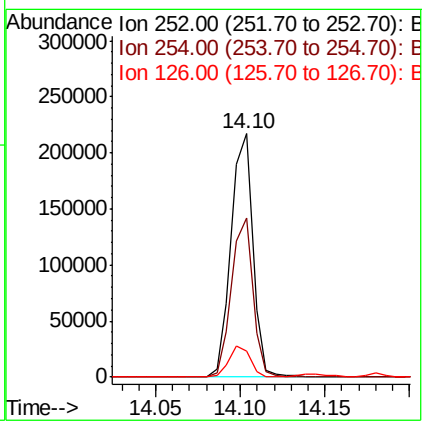
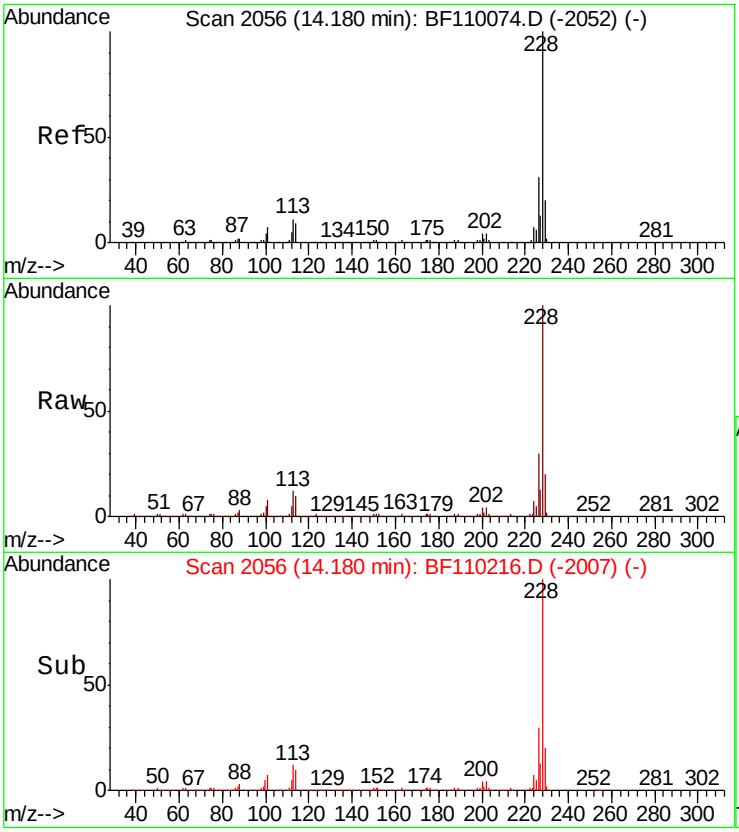



#82
3,3'-Dichlorobenzidine
Concen: 36.901 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:252 Resp: 195014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.4 | 51.3 | 76.9 |
| 126 | 10.9 | 9.4 | 14.2 |

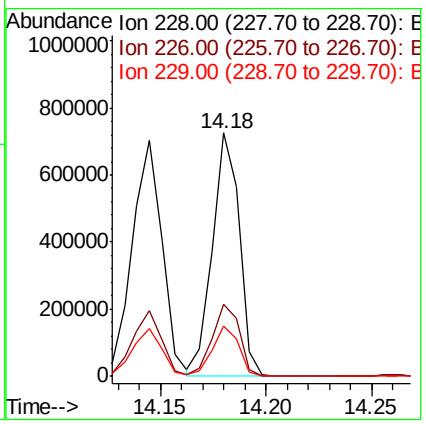





#83
Chrysene
Concen: 44.660 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:228 Resp: 643784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.7 | 37.1 |
| 229 | 20.4 | 15.9 | 23.9 |




**Instrument :**
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**ClientSampleId :**
JC-TS-001MSD

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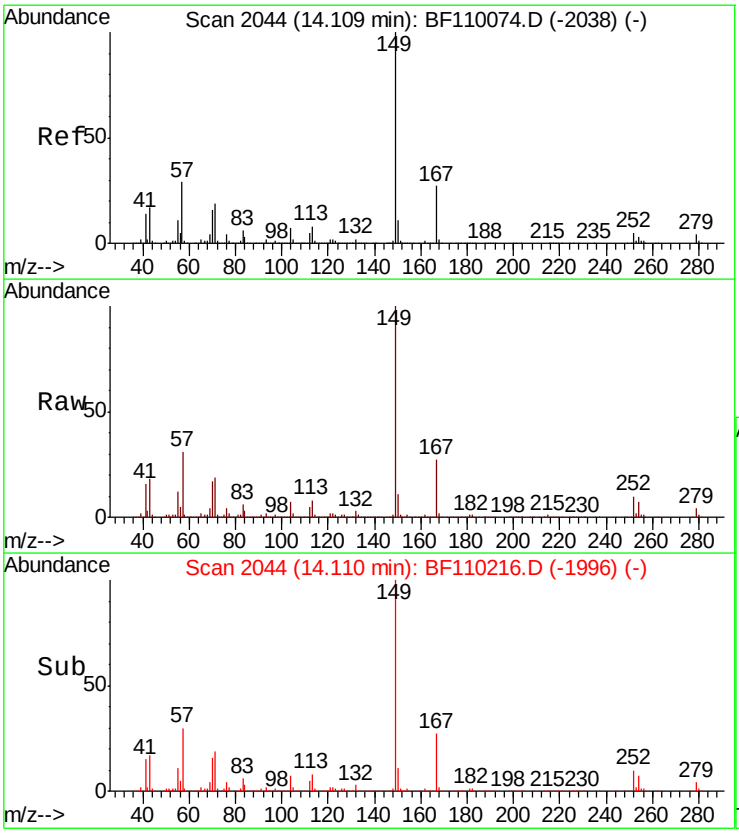
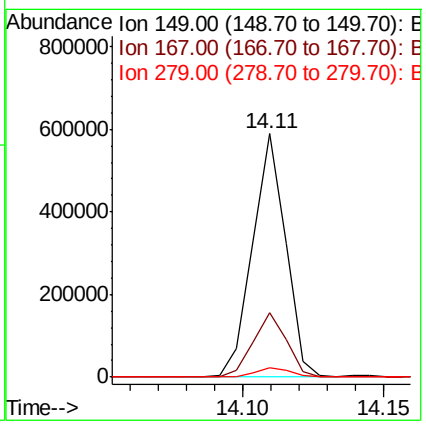
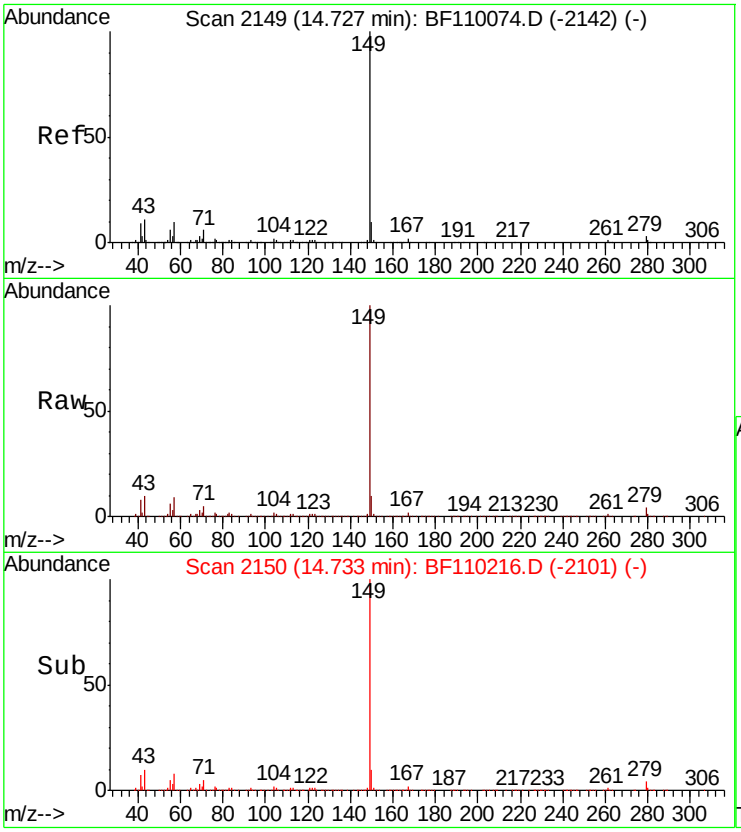



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.364 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:149 Resp: 477590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 19.8 | 29.8 |
| 279 | 3.7 | 2.7 | 4.1 |

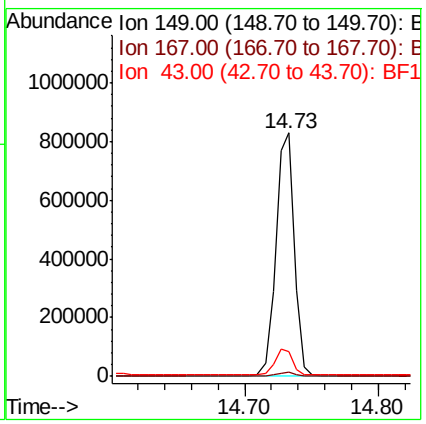





#85
Di-n-octyl phthalate
Concen: 47.708 ng
RT: 14.73 min Scan# 2150
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:149 Resp: 798586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.1 | 1.7 |
| 43 | 10.6 | 7.8 | 11.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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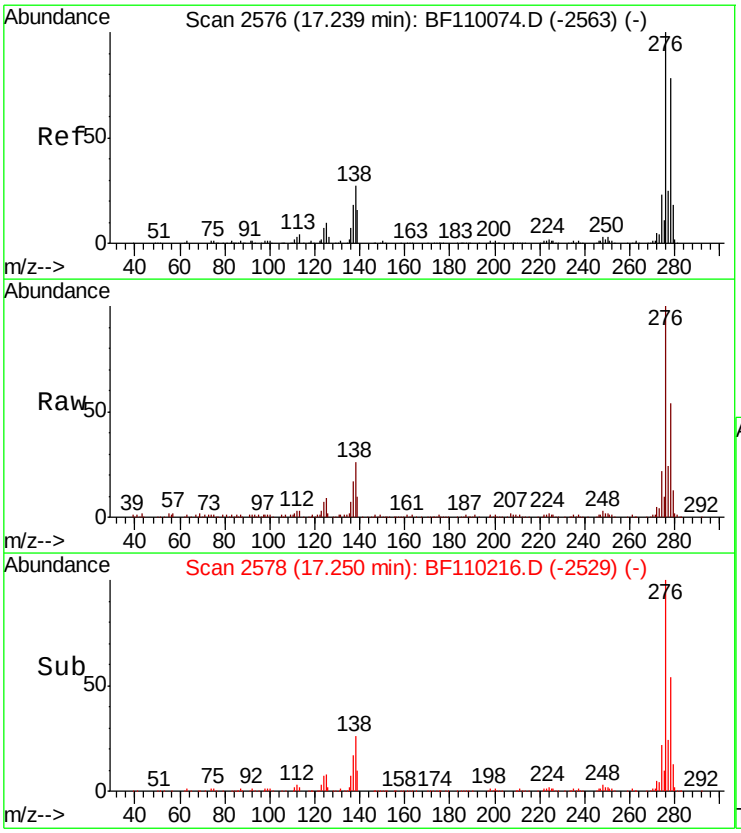
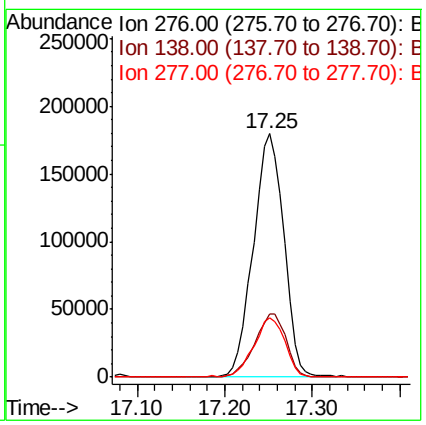
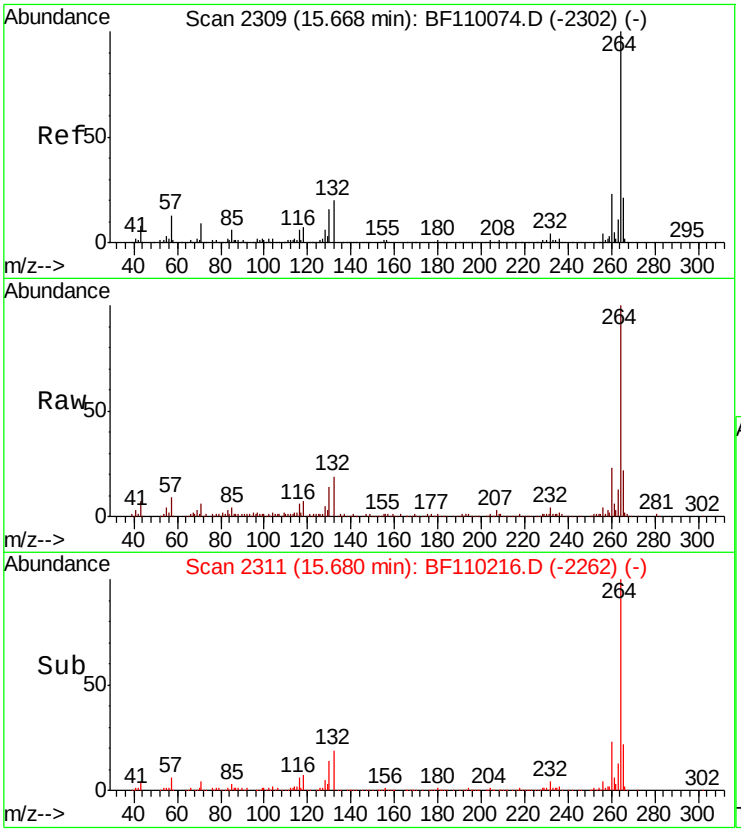



#86
Indeno(1,2,3-cd)pyrene
Concen: 36.081 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:276 Resp: 431480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.4 | 18.5 | 27.7 |
| 277 | 24.4 | 20.0 | 30.0 |

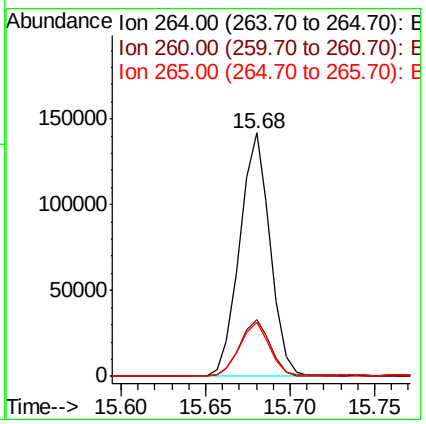





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:264 Resp: 178338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.7 | 28.1 |
| 265 | 22.2 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

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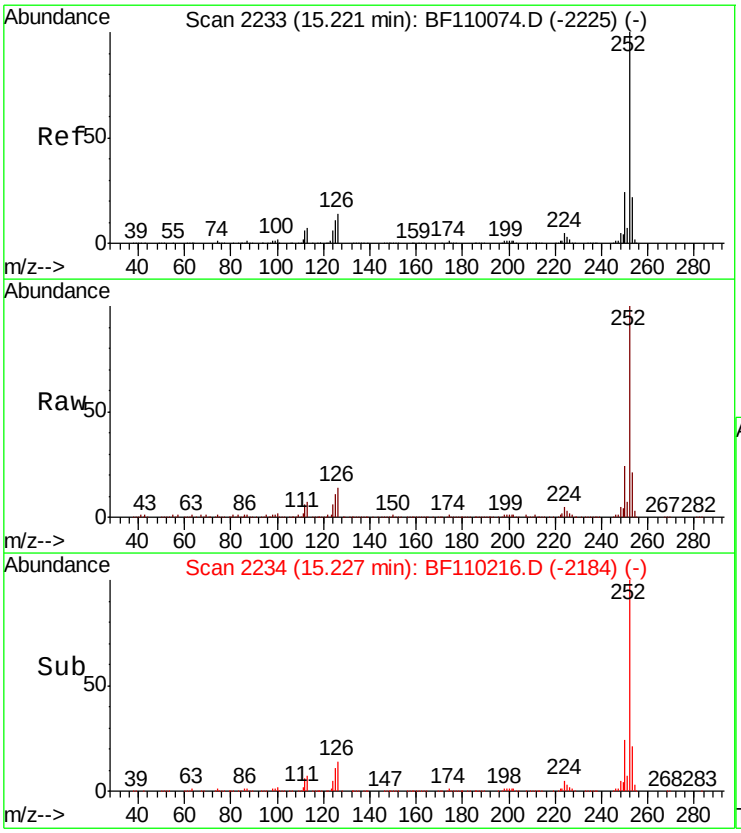
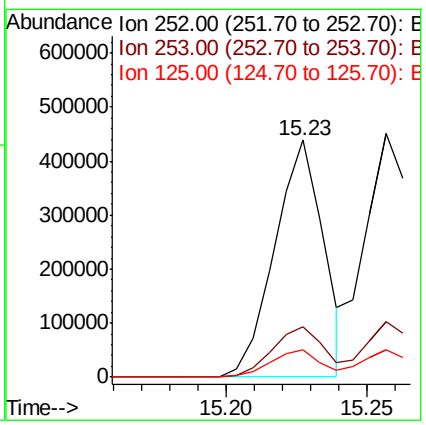
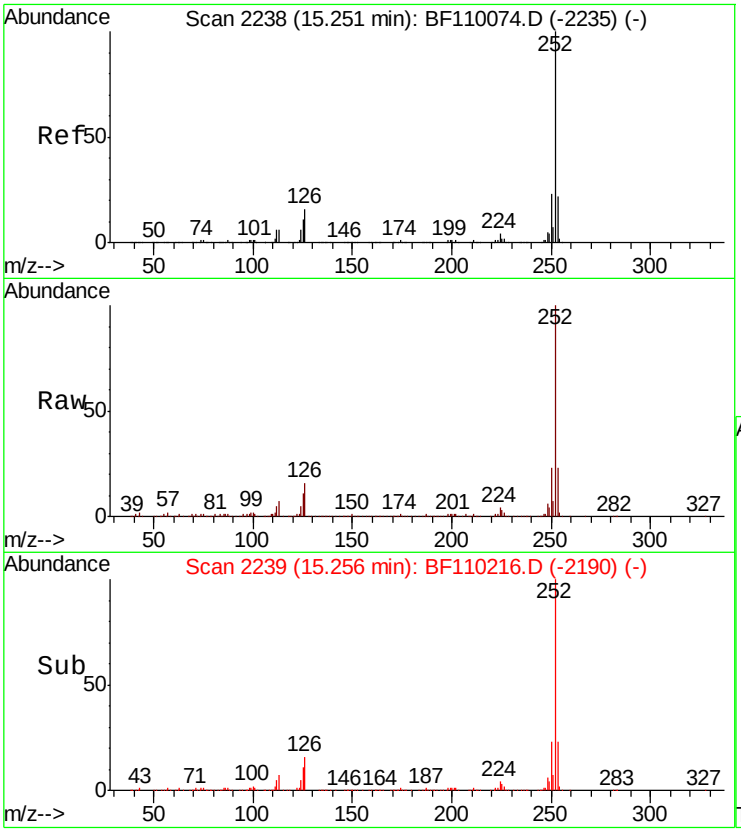



#88
Benzo(b)fluoranthene
Concen: 51.209 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:252 Resp: 527374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.2 | 25.8 |
| 125 | 11.3 | 8.2 | 12.4 |

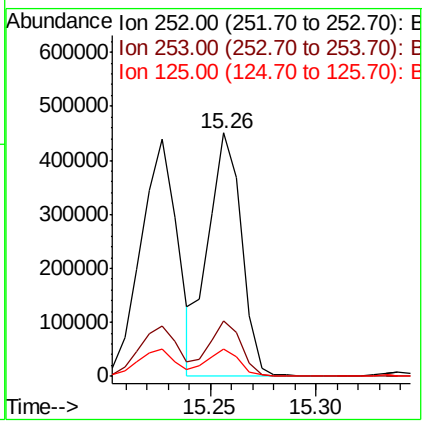





#89
Benzo(k)fluoranthene
Concen: 48.597 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:252 Resp: 492015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.2 | 25.8 |
| 125 | 11.3 | 7.4 | 11.0# |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
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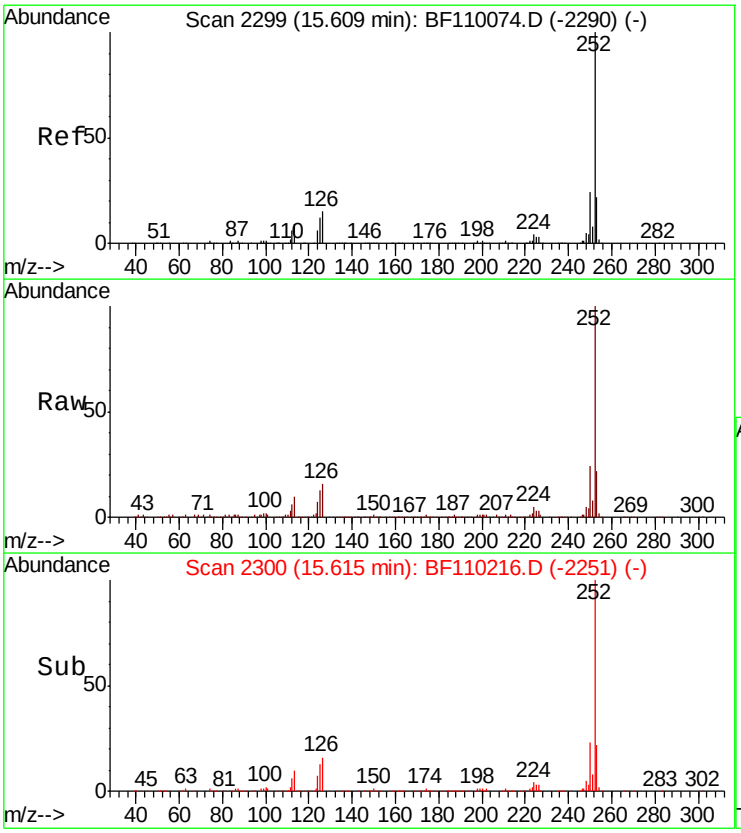
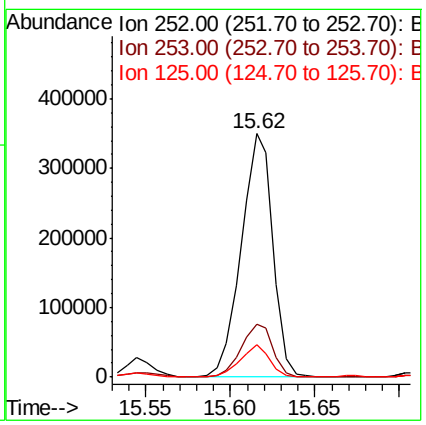
10/29/2018 11:56:42 AM

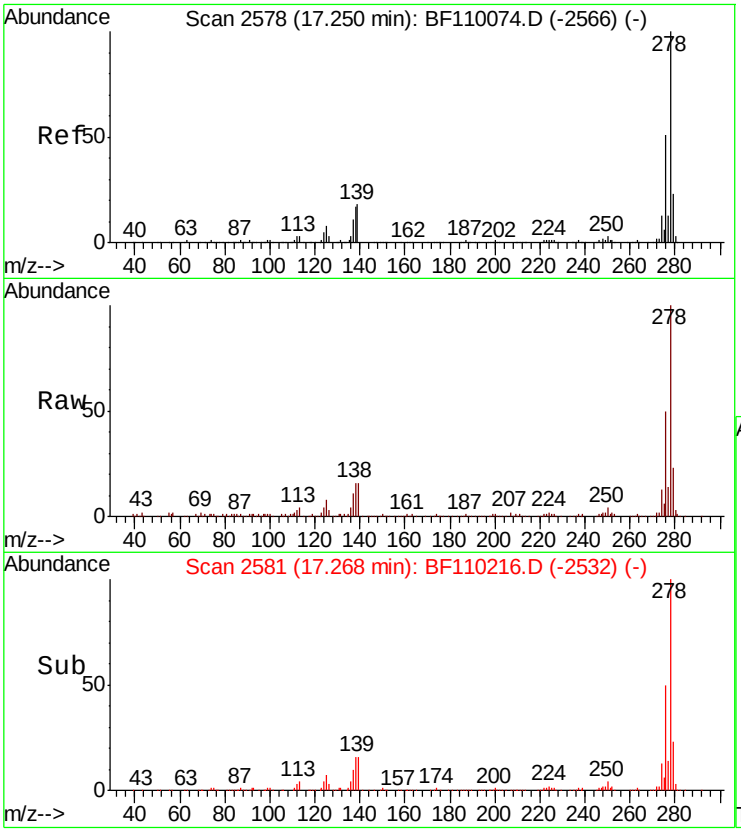



#90
Benzo(a)pyrene
Concen: 47.880 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:252 Resp: 453717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 18.2 | 27.4 |
| 125 | 13.1 | 9.0 | 13.6 |

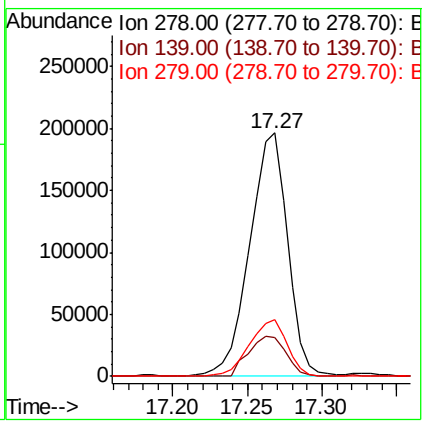





#91
Dibenzo(a,h)anthracene
Concen: 41.747 ng
RT: 17.27 min Scan# 2581
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

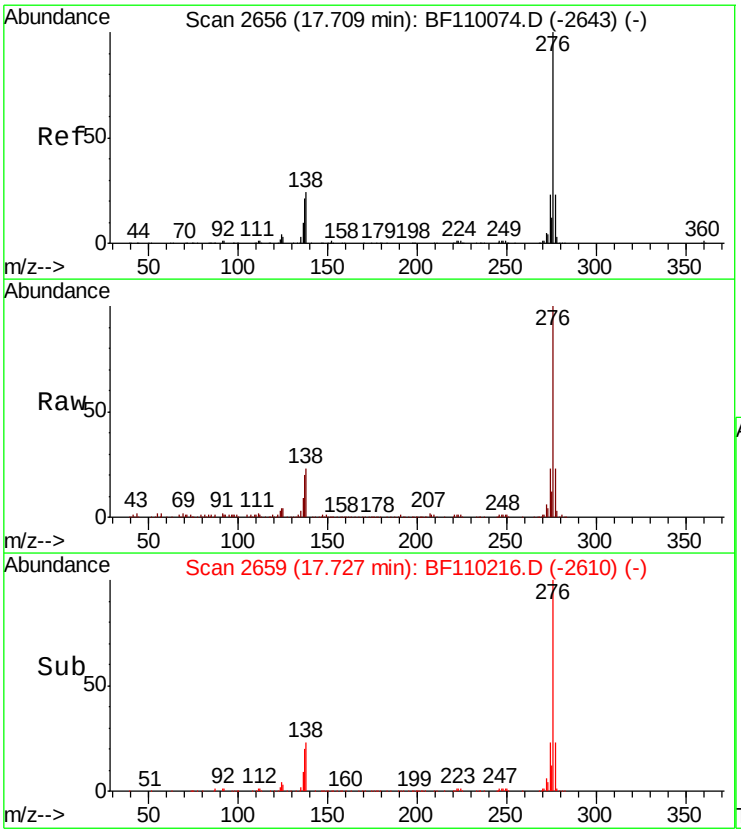
Tgt Ion:278 Resp: 341345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.9 | 12.7 | 19.1 |
| 279 | 23.4 | 19.0 | 28.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
JC-TS-001MSD

**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:42 AM




#92
Benzo(g,h,i)perylene
Concen: 43.899 ng
RT: 17.73 min Scan# 2659
Delta R.T. -0.01 min
Lab File: BF110216.D
Acq: 26 Oct 2018 18:12

Tgt Ion:276 Resp: 353710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 18.8 | 28.2 |
| 138 | 22.9 | 16.0 | 24.0 |