Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085396.D
Acq On : 12 Mar 2016 3:52
Operator : UM/SJ
Sample : PB88821BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

**Manual Integrations APPROVED**
UMANGI
3/14/2016 10:45:50 AM

Quant Time: Mar 14 02:23:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 147483 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.22 | 136 | 562186 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 179944 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 307645 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.11 | 240 | 249109 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.57 | 264 | 254136 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 977624 | 111.19 | ng | | -0.03 |
| 7) Phenol-d6 | 6.57 | 99 | 1399037 | 121.45 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 831923 | 79.19 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.78 | 330 | 217672 | 141.37 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1349973 | 114.10 | ng | | -0.05 |
| 78) Terphenyl-d14 | 13.05 | 244 | 787582 | 73.39 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 121730 | 27.07 | ng | | 97 |
| 3) Pyridine | 3.42 | 79 | 359611 | 31.96 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 157069 | 32.61 | ng | | 95 |
| 6) Aniline | 6.60 | 93 | 490998 | 30.41 | ng | | 97 |
| 8) 2-Chlorophenol | 6.72 | 128 | 431315 | 40.75 | ng | | 96 |
| 9) Benzaldehyde | 6.48 | 77 | 101195 | 15.27 | ng | | 92 |
| 10) Phenol | 6.58 | 94 | 505820m | 41.00 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.68 | 93 | 411485m | 40.16 | ng | | |
| 12) 1,3-Dichlorobenzene | 6.88 | 146 | 425735 | 37.46 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.95 | 146 | 413655 | 36.32 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.11 | 146 | 429552 | 41.57 | ng | | 98 |
| 15) Benzyl Alcohol | 7.08 | 79 | 337380 | 39.90 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 481475 | 32.60 | ng | | 99 |
| 17) 2-Methylphenol | 7.19 | 107 | 349531 | 40.47 | ng | | 98 |
| 18) Hexachloroethane | 7.45 | 117 | 158911 | 37.82 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 253954 | 33.82 | ng | # | 91 |
| 20) 3+4-Methylphenols | 7.34 | 107 | 394571 | 38.57 | ng | | 92 |
| 22) Acetophenone | 7.35 | 105 | 533002 | 38.84 | ng | # | 97 |
| 24) Nitrobenzene | 7.52 | 77 | 456452 | 42.77 | ng | | 96 |
| 25) Isophorone | 7.76 | 82 | 781058 | 40.12 | ng | | 98 |
| 26) 2-Nitrophenol | 7.84 | 139 | 222488 | 42.84 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.88 | 122 | 402535 | 42.41 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 455057 | 41.97 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.08 | 162 | 338606 | 44.24 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.16 | 180 | 330190 | 39.90 | ng | | 100 |
| 31) Naphthalene | 8.24 | 128 | 1078844 | 39.03 | ng | | 99 |
| 32) Benzoic acid | 7.99 | 122 | 234925 | 37.26 | ng | | 98 |
| 33) 4-Chloroaniline | 8.29 | 127 | 257032 | 22.99 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 180784 | 41.98 | ng | | 98 |
| 35) Caprolactam | 8.66 | 113 | 110475m | 44.19 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 361464 | 41.62 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 758263 | 42.74 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 293882 | 57.11 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.09 | 237 | 194443 | 70.05 | ng | | 99 |

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Sample : PB88821BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

**Manual Integrations APPROVED**
UMANGI
3/14/2016 10:45:50 AM

Quant Time: Mar 14 02:23:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.21 | 196 | 207190 | 54.09 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.26 | 196 | 216224 | 59.53 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.41 | 154 | 782631 | 50.91 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.43 | 162 | 587650 | 50.15 | ng | | 98 |
| 47) 2-Nitroaniline | 9.52 | 65 | 154999 | 42.68 | ng | # | 83 |
| 48) Acenaphthylene | 9.84 | 152 | 731792 | 40.12 | ng | | 98 |
| 49) Dimethylphthalate | 9.70 | 163 | 611476 | 44.27 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.76 | 165 | 116273 | 39.35 | ng | | 93 |
| 51) Acenaphthene | 10.01 | 154 | 471836 | 42.61 | ng | | 98 |
| 52) 3-Nitroaniline | 9.93 | 138 | 108902 | 30.81 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 10.04 | 184 | 84900 | 58.97 | ng | # | 53 |
| 54) Dibenzofuran | 10.18 | 168 | 612558 | 42.22 | ng | | 99 |
| 55) 4-Nitrophenol | 10.09 | 139 | 201386 | 72.49 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 10.17 | 165 | 163645 | 43.28 | ng | # | 61 |
| 57) Fluorene | 10.53 | 166 | 471763 | 41.40 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.30 | 232 | 119946 | 47.01 | ng | | 92 |
| 59) Diethylphthalate | 10.40 | 149 | 565548 | 42.20 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.52 | 204 | 236054 | 42.57 | ng | | 88 |
| 61) 4-Nitroaniline | 10.55 | 138 | 124778 | 37.74 | ng | | 79 |
| 62) Azobenzene | 10.68 | 77 | 540466 | 40.93 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.57 | 198 | 61784 | 33.54 | ng | | 76 |
| 65) n-Nitrosodiphenylamine | 10.64 | 169 | 467660 | 48.87 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.01 | 248 | 137011 | 45.87 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.08 | 284 | 136070 | 42.70 | ng | # | 80 |
| 68) Atrazine | 11.17 | 200 | 156859 | 58.94 | ng | | 96 |
| 69) Pentachlorophenol | 11.27 | 266 | 154236 | 87.19 | ng | | 100 |
| 70) Phenanthrene | 11.49 | 178 | 674925 | 41.86 | ng | | 98 |
| 71) Anthracene | 11.54 | 178 | 734232 | 42.90 | ng | | 98 |
| 72) Carbazole | 11.69 | 167 | 557806 | 37.17 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.02 | 149 | 794936 | 41.90 | ng | | 99 |
| 74) Fluoranthene | 12.68 | 202 | 562189 | 34.75 | ng | | 97 |
| 76) Benzidine | 12.80 | 184 | 396751 | 53.51 | ng | | 99 |
| 77) Pyrene | 12.90 | 202 | 579121 | 30.89 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.52 | 149 | 262499 | 30.86 | ng | | 94 |
| 80) Benzo(a)anthracene | 14.09 | 228 | 591136 | 39.64 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.06 | 252 | 175181 | 37.24 | ng | # | 96 |
| 82) Chrysene | 14.14 | 228 | 558939 | 40.57 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149 | 459065 | 41.00 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.70 | 149 | 828887 | 48.61 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.03 | 276 | 602421 | 56.03 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.15 | 252 | 593065 | 35.01 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.18 | 252 | 609953m | 44.64 | ng | | |
| 89) Benzo(a)pyrene | 15.51 | 252 | 604220 | 43.04 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.05 | 278 | 514905 | 42.97 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.48 | 276 | 478933 | 39.75 | ng | | 98 |

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

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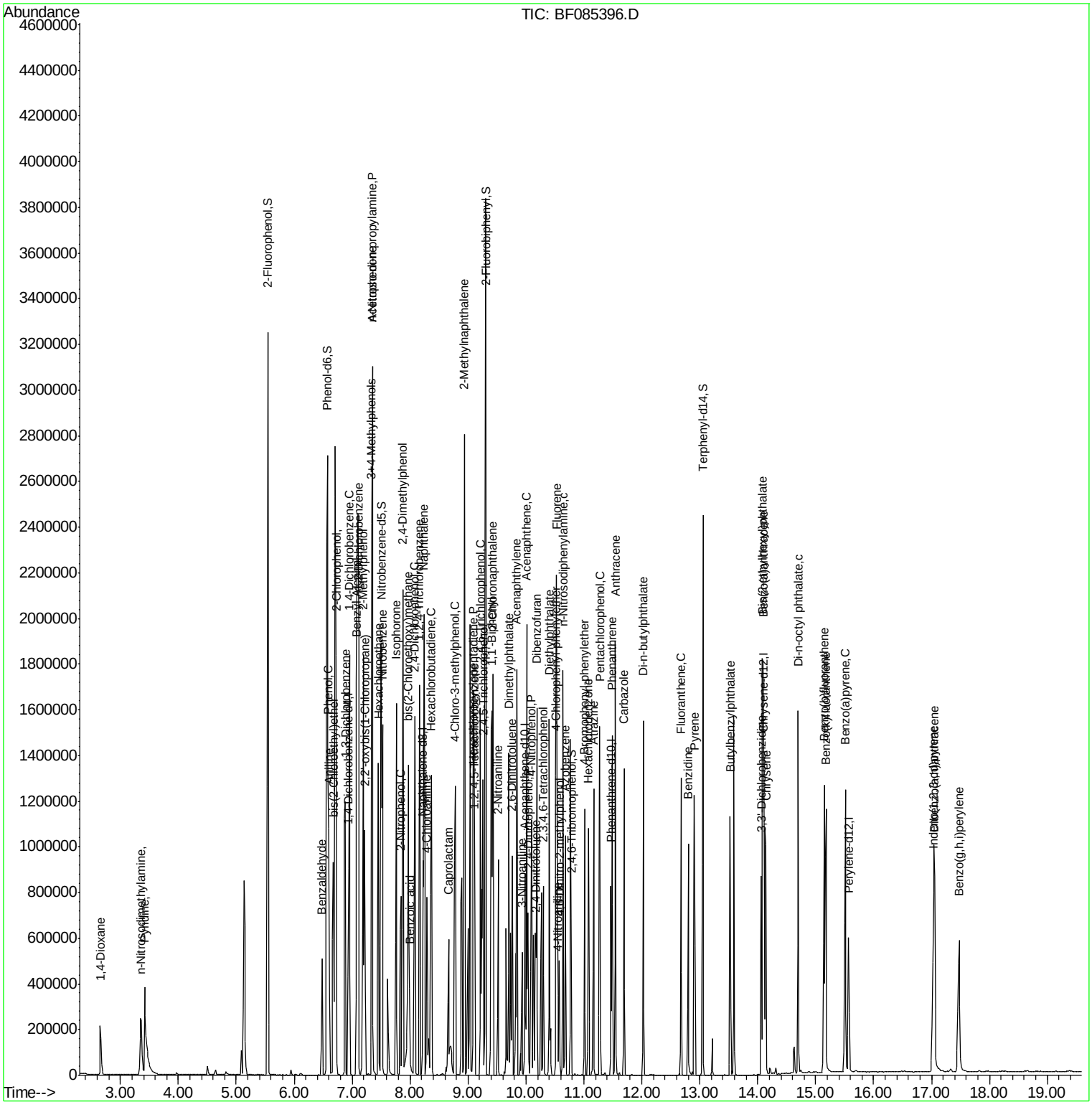
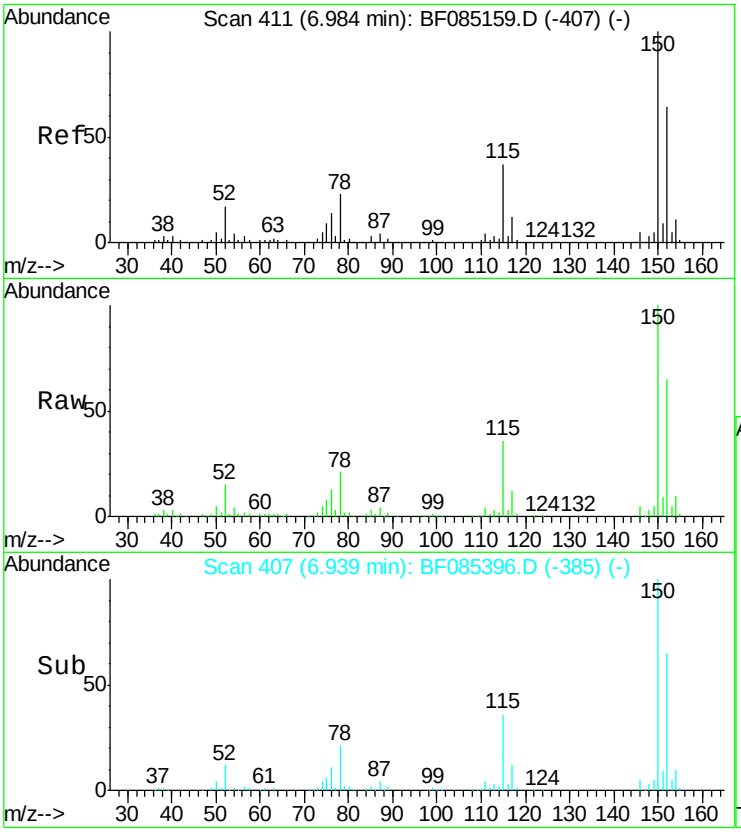
Data File : BF085396.D
Acq On : 12 Mar 2016 3:52
Operator : UM/SJ
Sample : PB88821BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 14 02:23:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

**Manual Integrations APPROVED**
UMANGI
3/14/2016 10:45:50 AM

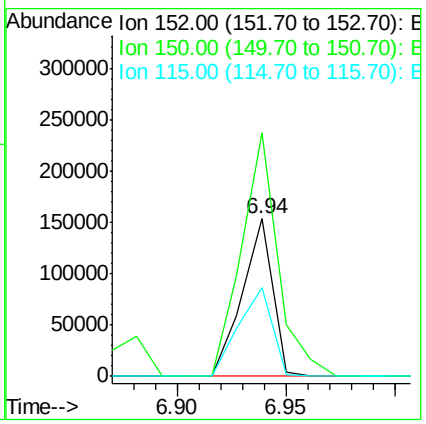





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

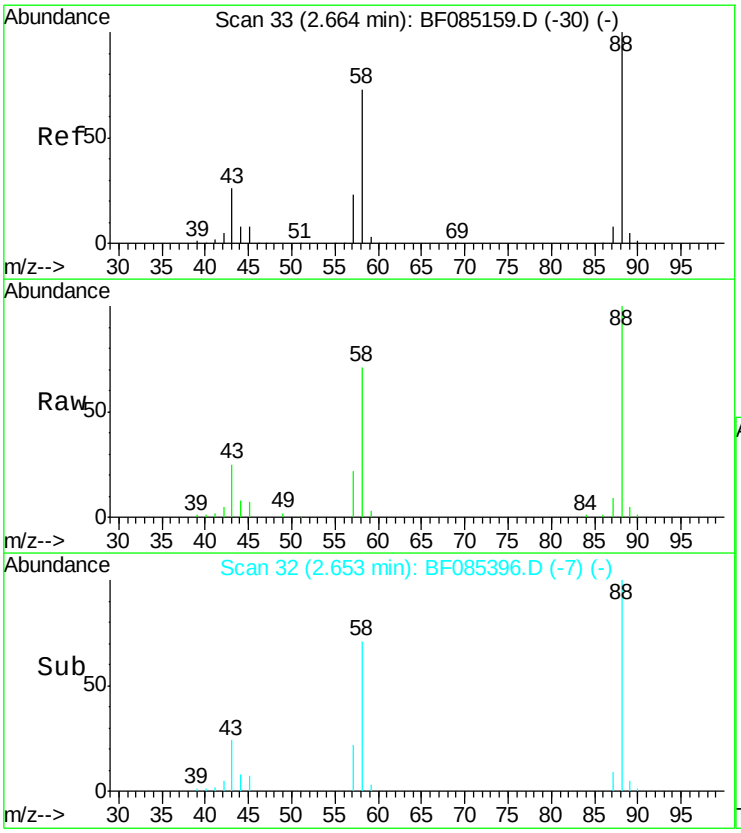
Tgt Ion:152 Resp: 147483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.8 | 124.6 | 186.8 |
| 115 | 56.2 | 46.6 | 70.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

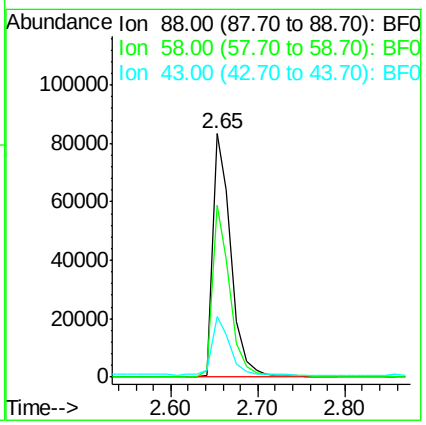
**Manual Integrations APPROVED**
UMANGI
3/14/2016 10:45:50 AM

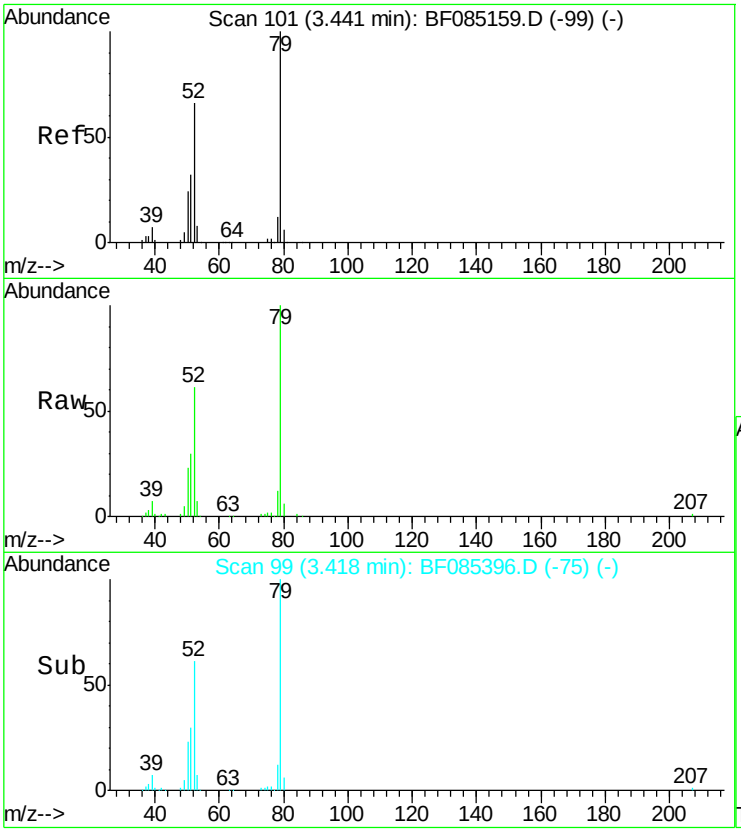



#2
1,4-Dioxane
Concen: 27.07 ng
RT: 2.65 min Scan# 32
Delta R.T. -0.01 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 88 Resp: 121730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.7 | 57.0 | 85.6 |
| 43 | 24.3 | 20.5 | 30.7 |

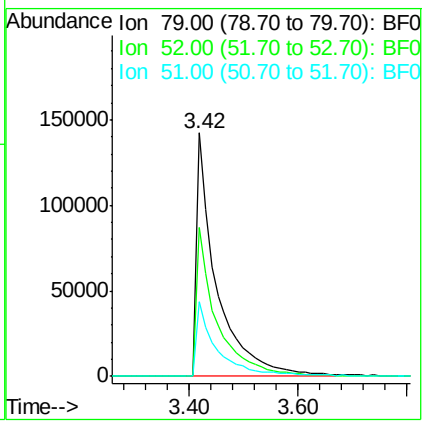





#3
Pyridine
Concen: 31.96 ng
RT: 3.42 min Scan# 99
Delta R.T. -0.02 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 79 Resp: 359611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 61.4 | 52.6 | 79.0 |
| 51 | 30.5 | 25.8 | 38.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

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UMANGI
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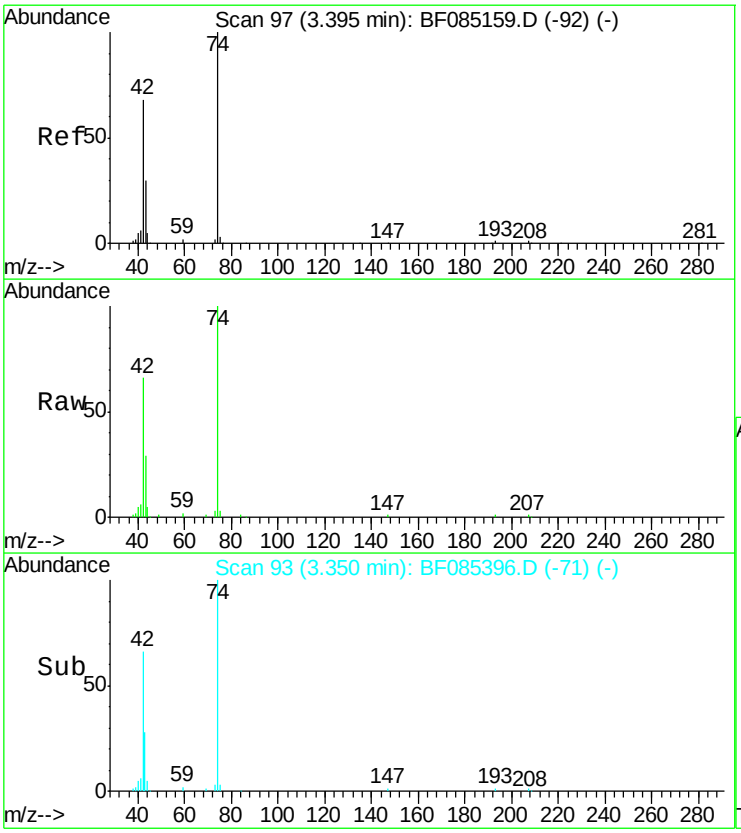
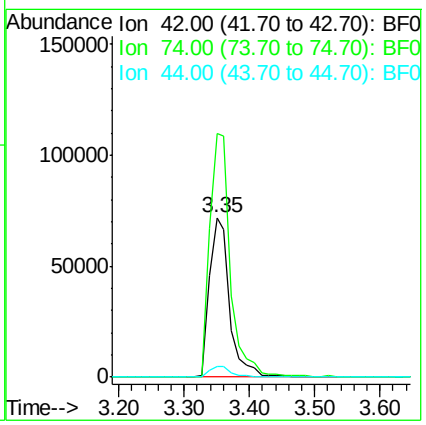
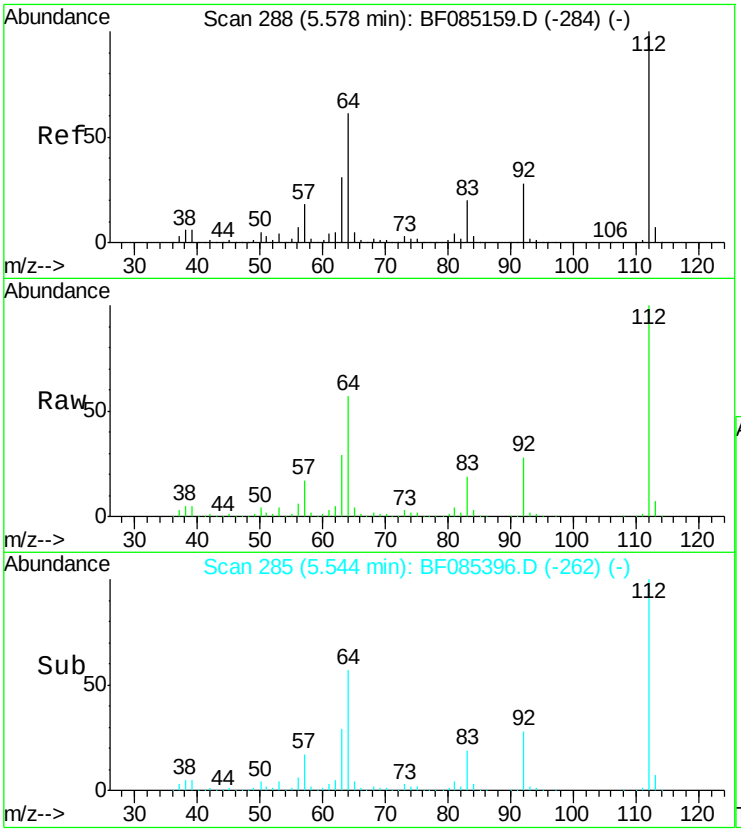



#4
n-Nitrosodimethylamine
Concen: 32.61 ng
RT: 3.35 min Scan# 93
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 42 Resp: 157069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 152.7 | 116.8 | 175.2 |
| 44 | 6.9 | 5.5 | 8.3 |

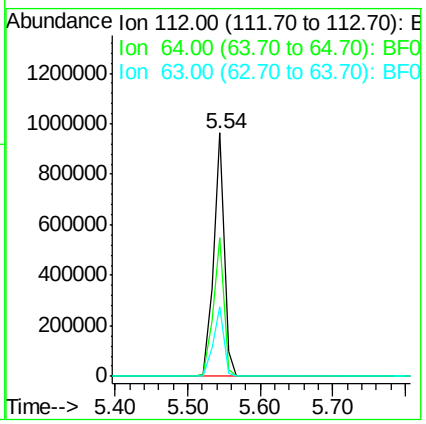





#5
2-Fluorophenol
Concen: 111.19 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:112 Resp: 977624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.1 | 49.0 | 73.4 |
| 63 | 28.8 | 24.8 | 37.2 |




**Instrument :**
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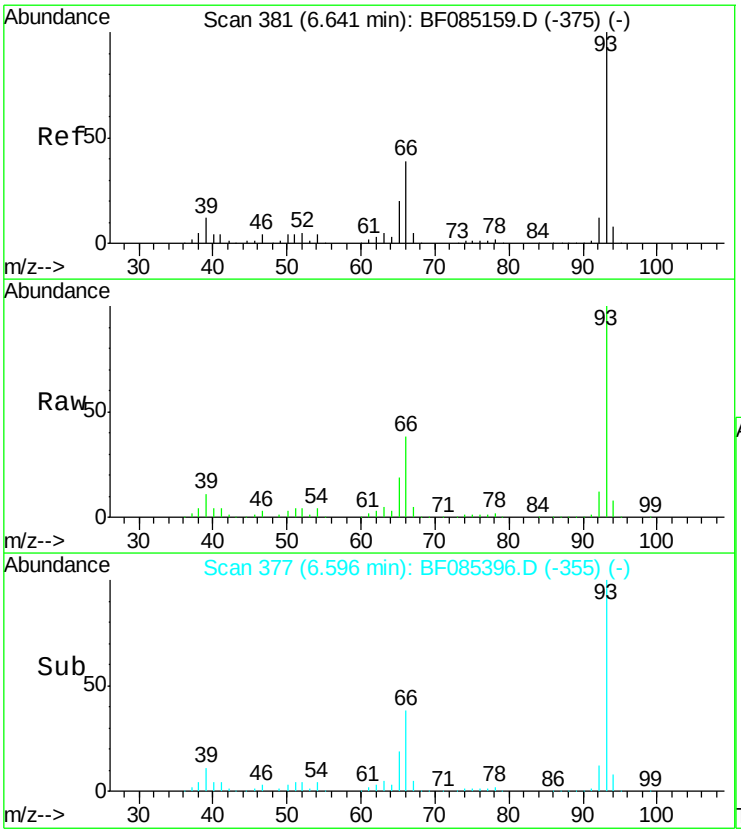
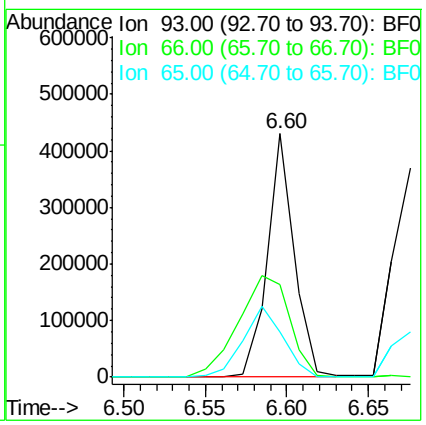
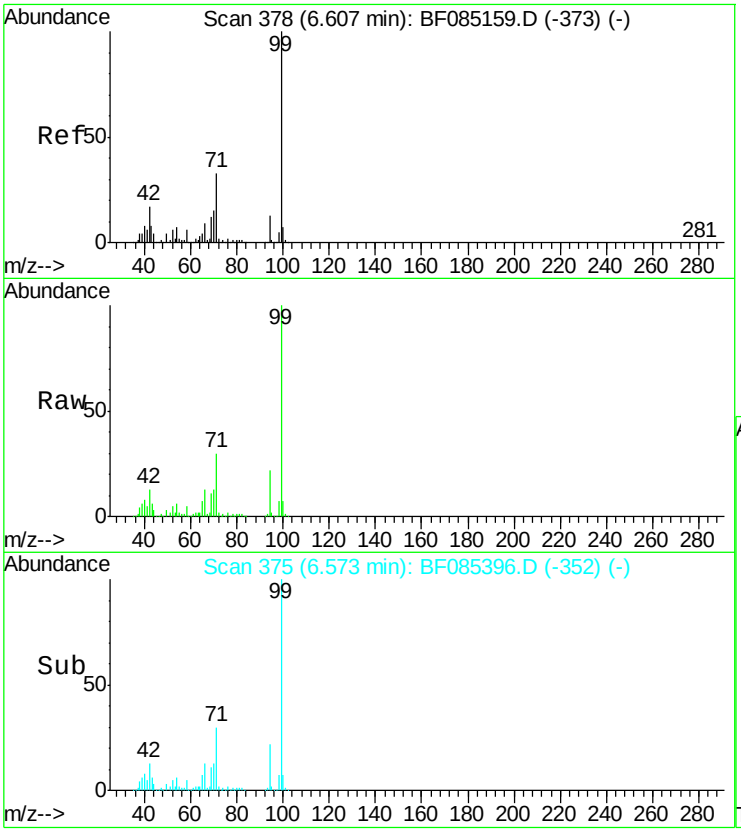



#6
Aniline
Concen: 30.41 ng
RT: 6.60 min Scan# 377
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 93 Resp: 490998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.8 | 31.6 | 47.4 |
| 65 | 18.8 | 15.8 | 23.8 |

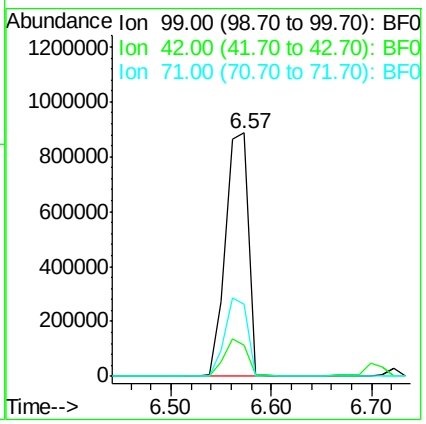





#7
Phenol-d6
Concen: 121.45 ng
RT: 6.57 min Scan# 375
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 99 Resp: 1399037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.0 | 13.6 | 20.4# |
| 71 | 29.7 | 26.7 | 40.1 |

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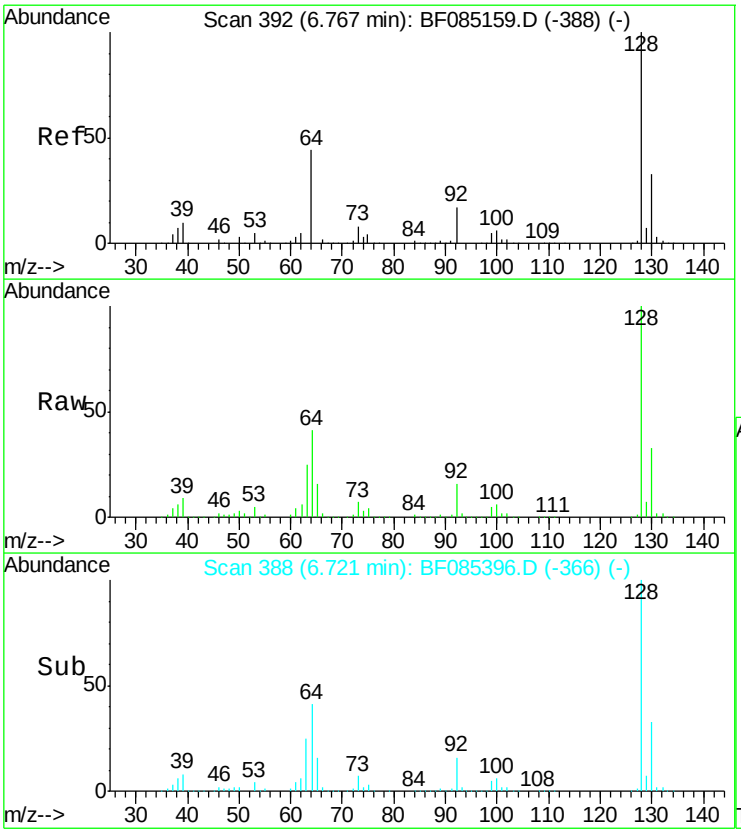
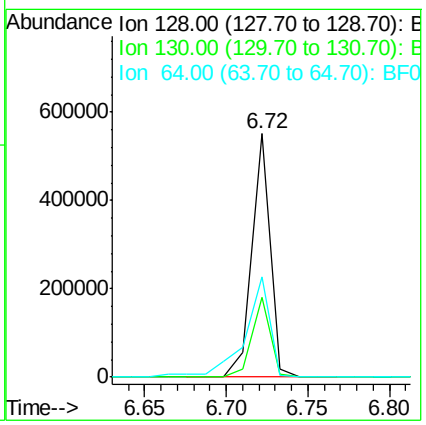
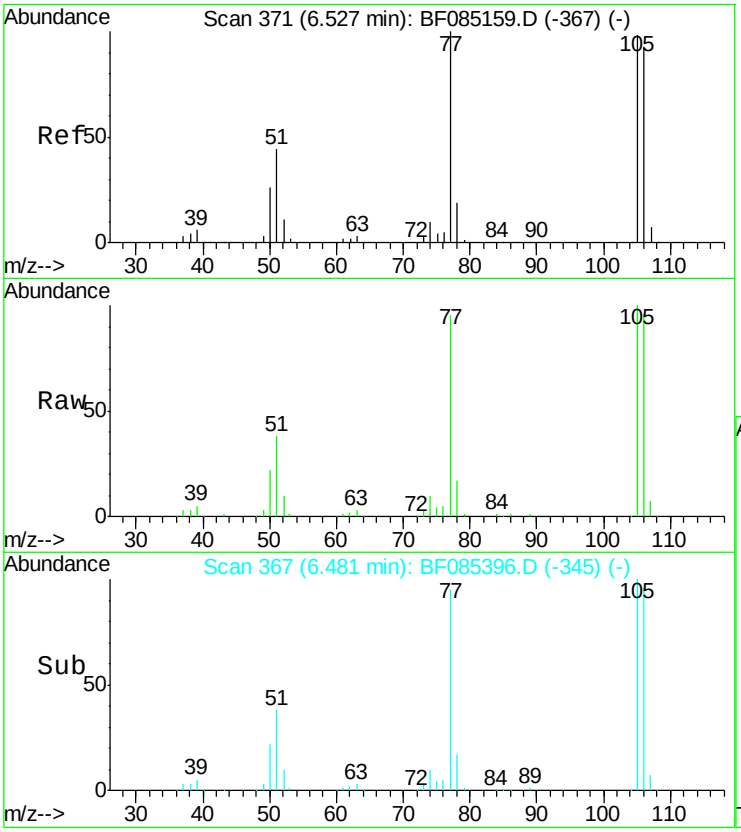



#8
2-Chlorophenol
Concen: 40.75 ng
RT: 6.72 min Scan# 388
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:128 Resp: 431315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 13.3 | 53.3 |
| 64 | 41.2 | 25.7 | 65.7 |

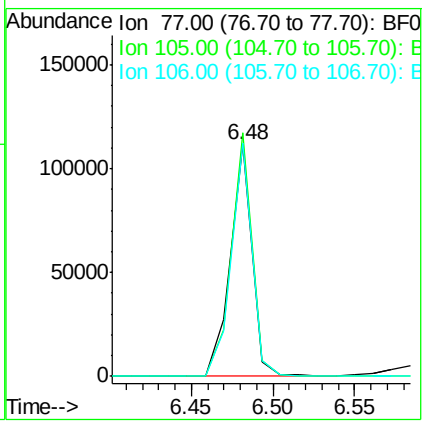





#9
Benzaldehyde
Concen: 15.27 ng
RT: 6.48 min Scan# 367
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 77 Resp: 101195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 105.0 | 78.2 | 118.2 |
| 106 | 100.9 | 72.9 | 112.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

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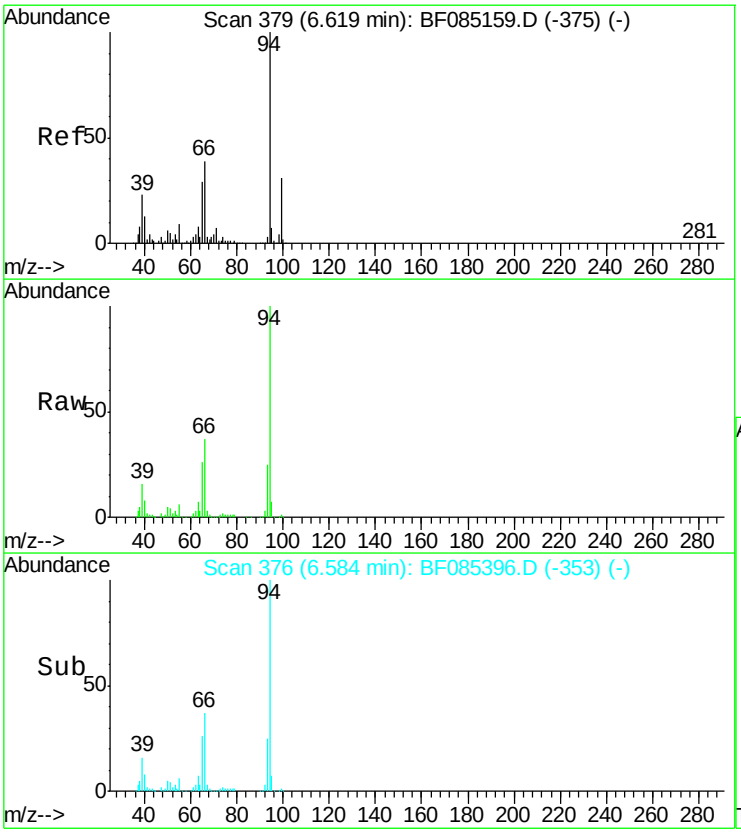
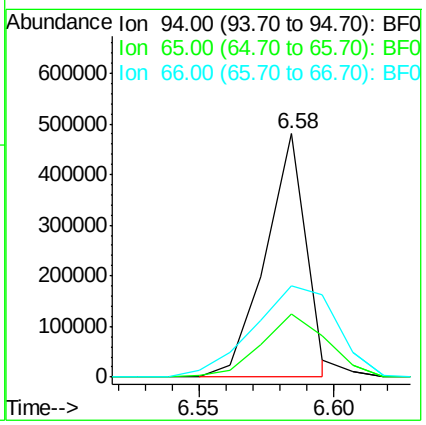
UMANGI
3/14/2016 10:45:50 AM

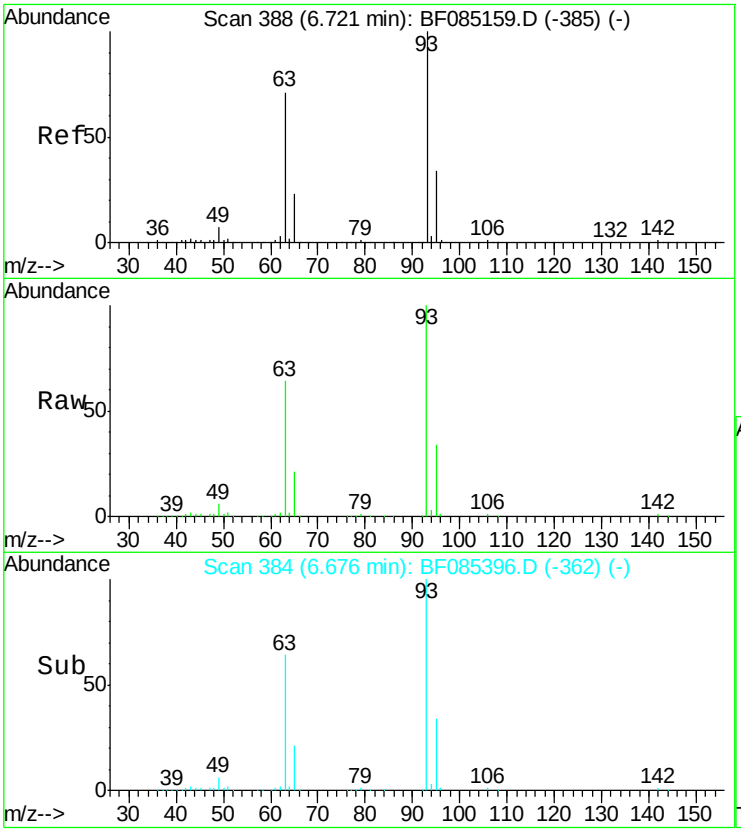



#10
Phenol
Concen: 41.00 ng m
RT: 6.58 min Scan# 376
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 94 Resp: 505820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.9 | 9.1 | 49.1 |
| 66 | 37.4 | 19.3 | 59.3 |

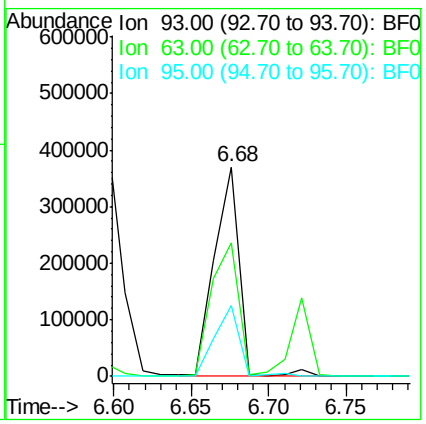





#11
bis(2-Chloroethyl)ether
Concen: 40.16 ng m
RT: 6.68 min Scan# 384
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 93 Resp: 411485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 63.7 | 50.9 | 90.9 |
| 95 | 33.8 | 13.7 | 53.7 |




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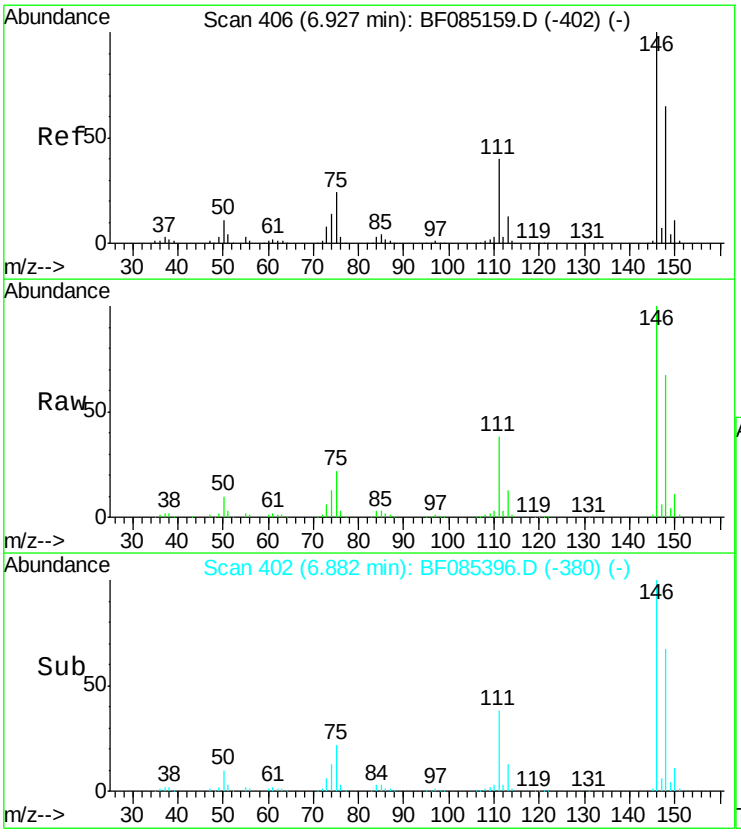
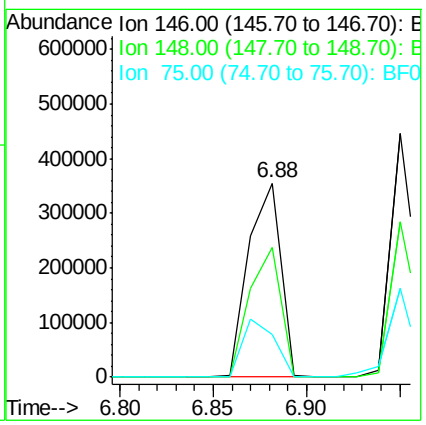
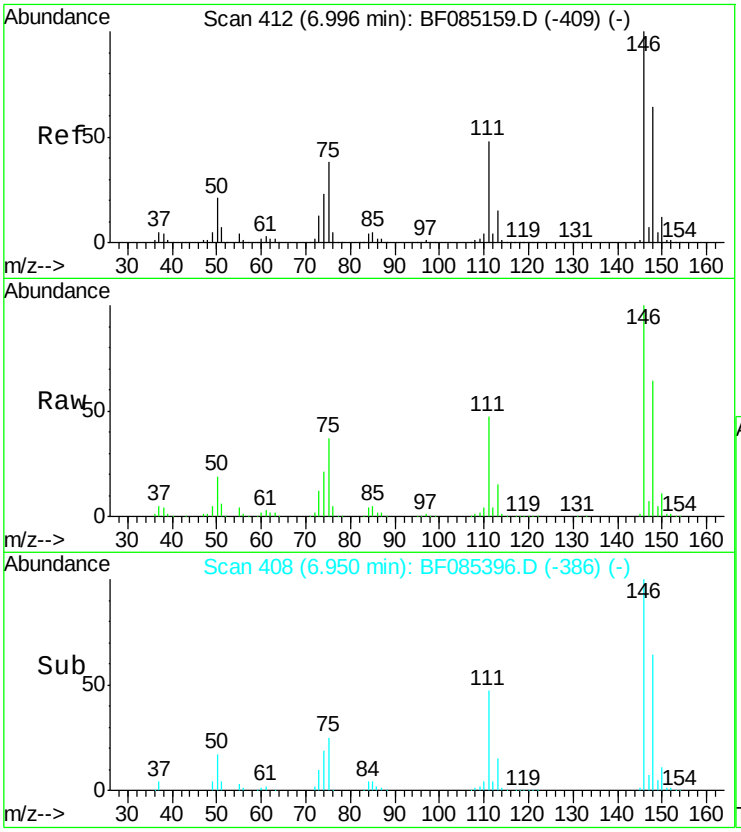



#12
1,3-Dichlorobenzene
Concen: 37.46 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:146 Resp: 425735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.7 | 52.1 | 78.1 |
| 75 | 22.1 | 19.5 | 29.3 |

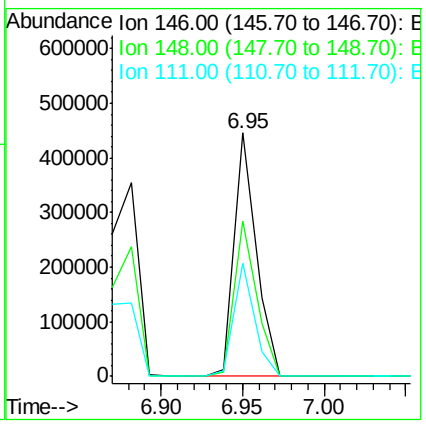





#13
1,4-Dichlorobenzene
Concen: 36.32 ng
RT: 6.95 min Scan# 408
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:146 Resp: 413655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.3 | 76.9 |
| 111 | 46.7 | 38.4 | 57.6 |

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**ClientSampleId :**
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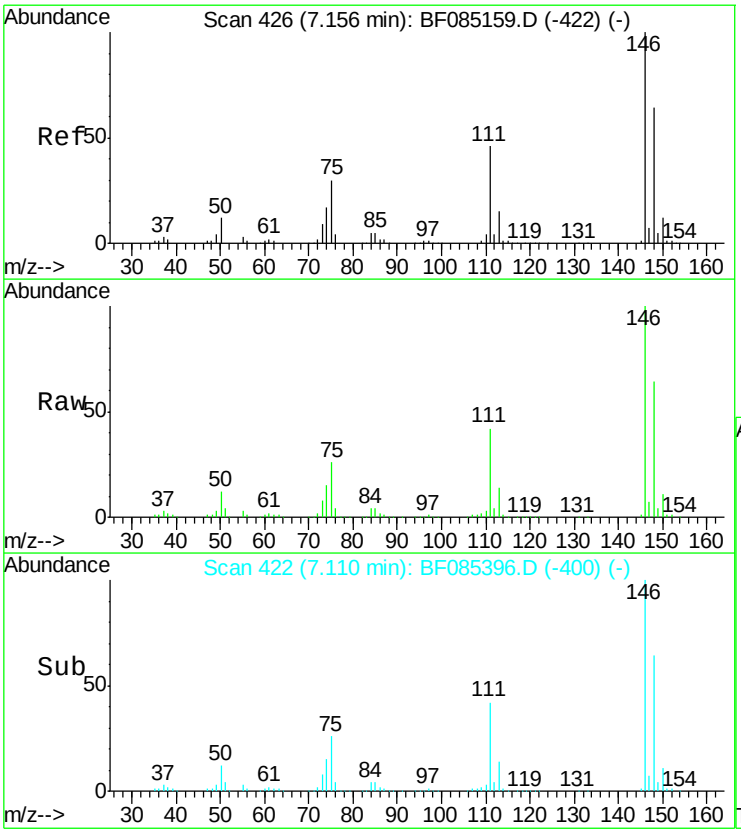
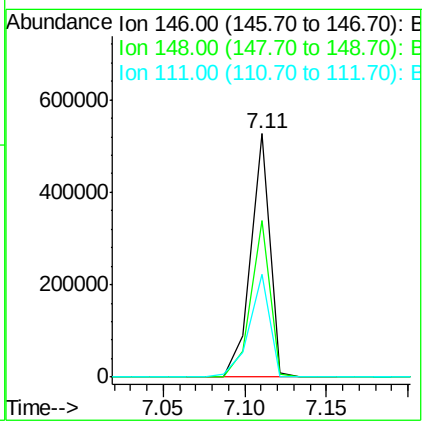
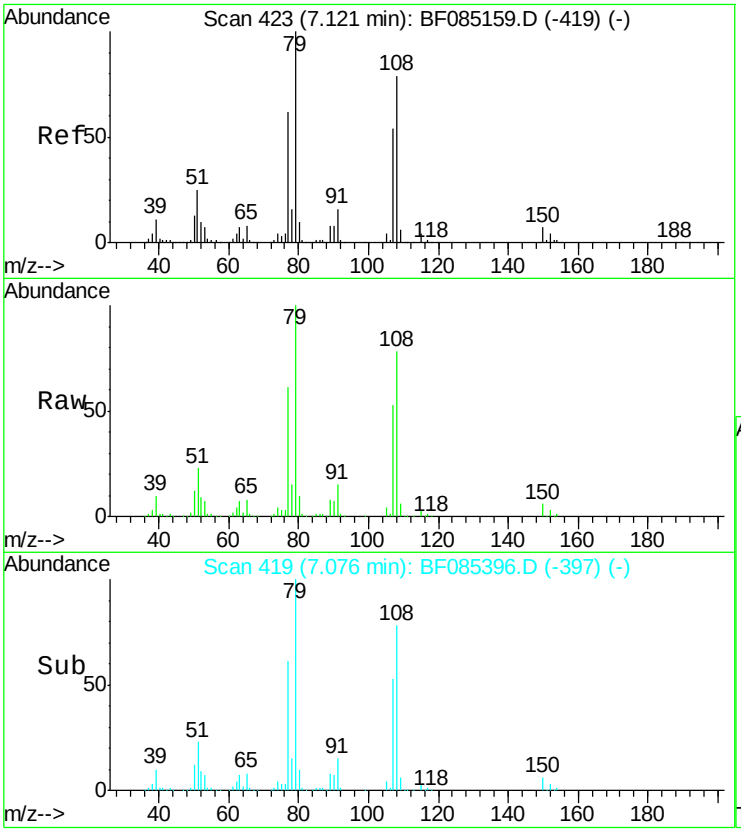



#14
1,2-Dichlorobenzene
Concen: 41.57 ng
RT: 7.11 min Scan# 422
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:146 Resp: 429552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 111 | 42.1 | 36.7 | 55.1 |

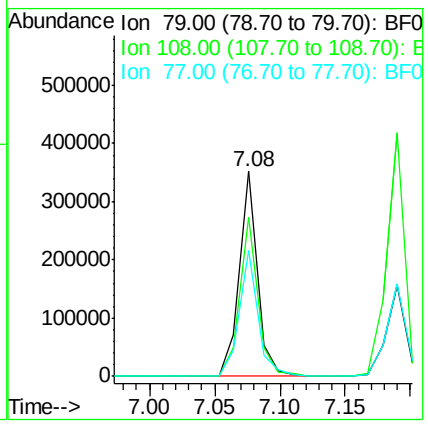





#15
Benzyl Alcohol
Concen: 39.90 ng
RT: 7.08 min Scan# 419
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 79 Resp: 337380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.7 | 62.9 | 94.3 |
| 77 | 61.5 | 49.5 | 74.3 |

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**ClientSampleId :**
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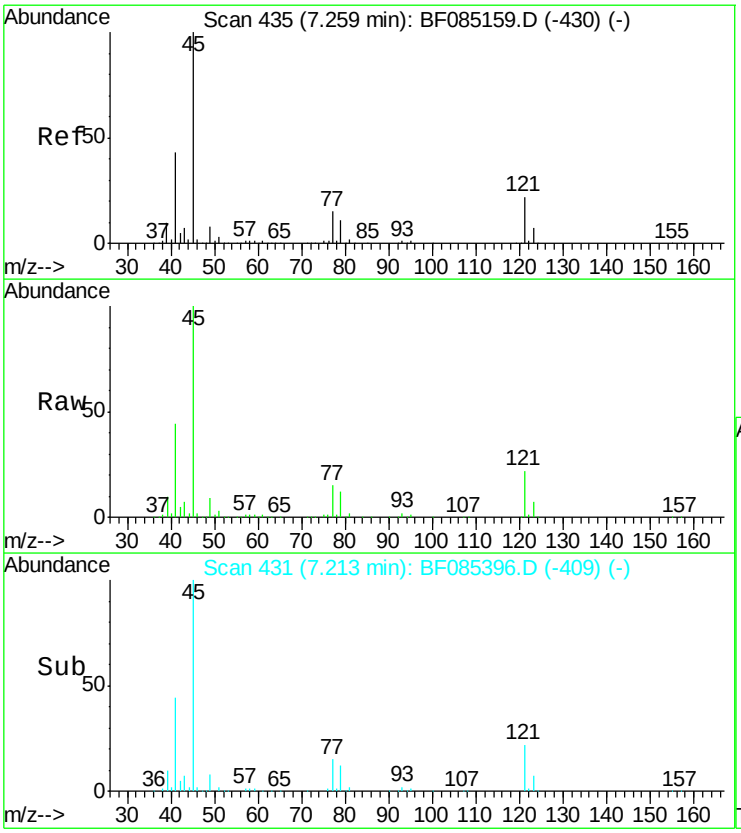
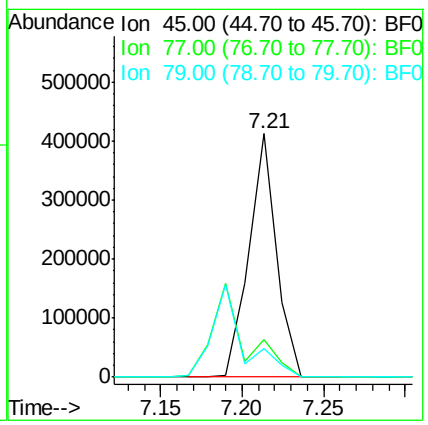
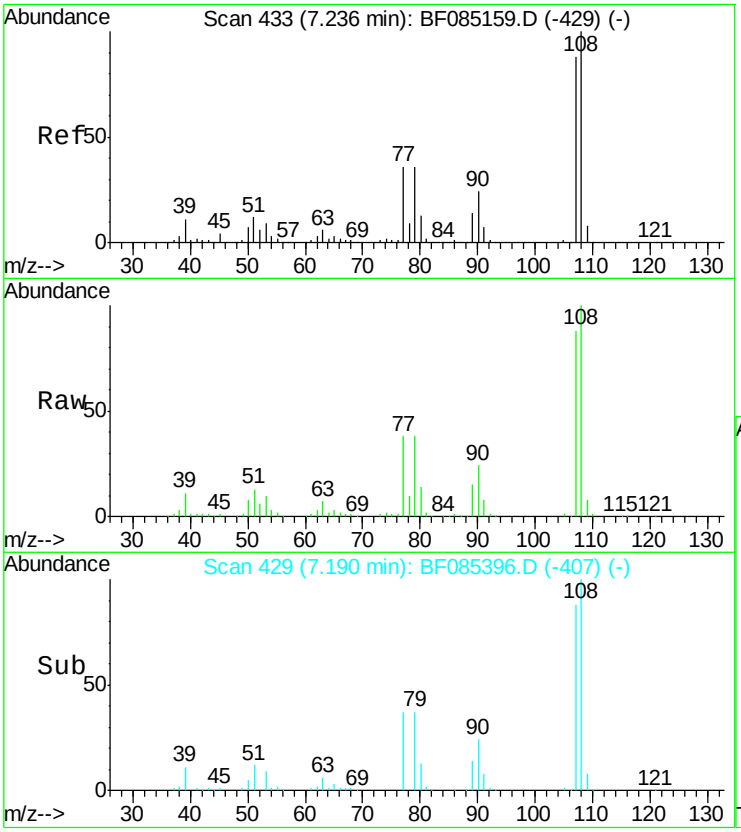



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.60 ng
RT: 7.21 min Scan# 431
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 45 Resp: 481475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 15.5 | 0.0 | 35.1 |
| 79 | 11.7 | 0.0 | 31.3 |

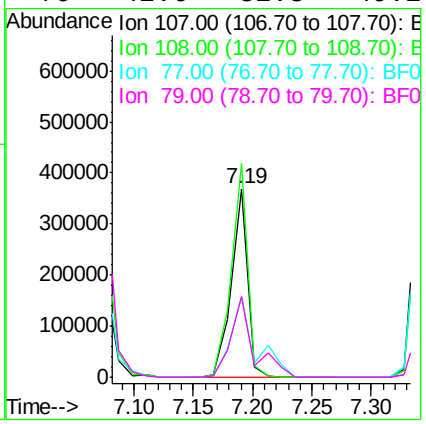





#17
2-Methylphenol
Concen: 40.47 ng
RT: 7.19 min Scan# 429
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:107 Resp: 349531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.9 | 136.3 |
| 77 | 43.0 | 32.6 | 48.8 |
| 79 | 42.6 | 32.8 | 49.2 |

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**ClientSampleId :**
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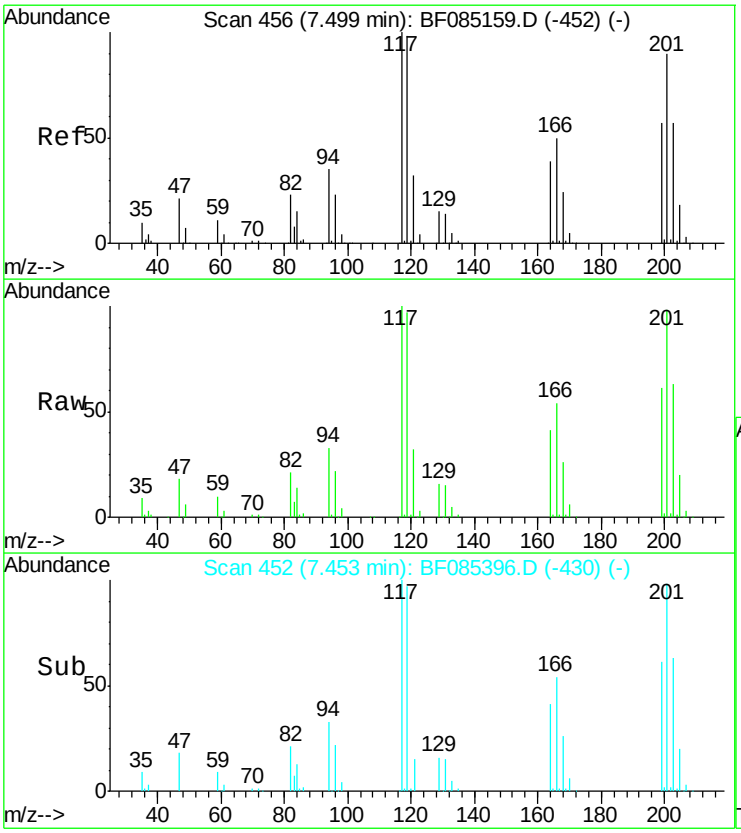
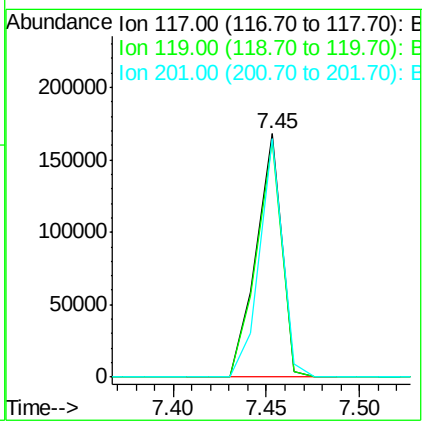
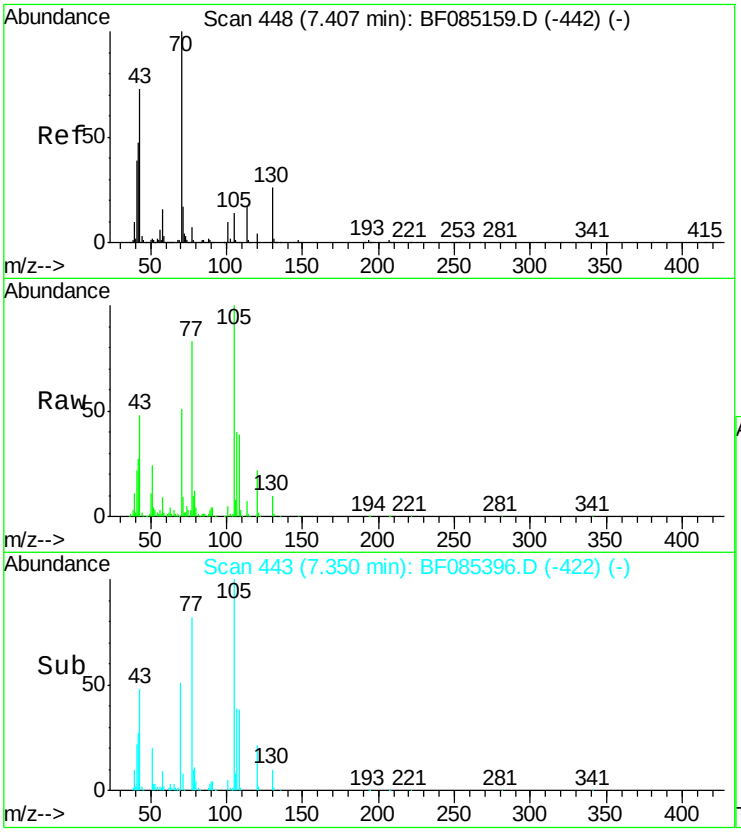



#18
Hexachloroethane
Concen: 37.82 ng
RT: 7.45 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:117 Resp: 158911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 78.2 | 117.4 |
| 201 | 97.7 | 72.0 | 108.0 |

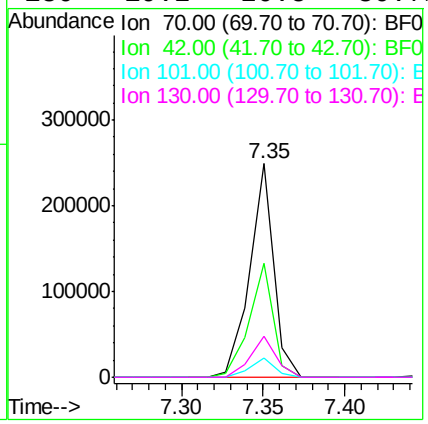





#19
n-Nitroso-di-n-propylamine
Concen: 33.82 ng
RT: 7.35 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 70 Resp: 253954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.2 | 37.7 | 56.5 |
| 101 | 9.0 | 8.2 | 12.4 |
| 130 | 19.2 | 20.5 | 30.7# |




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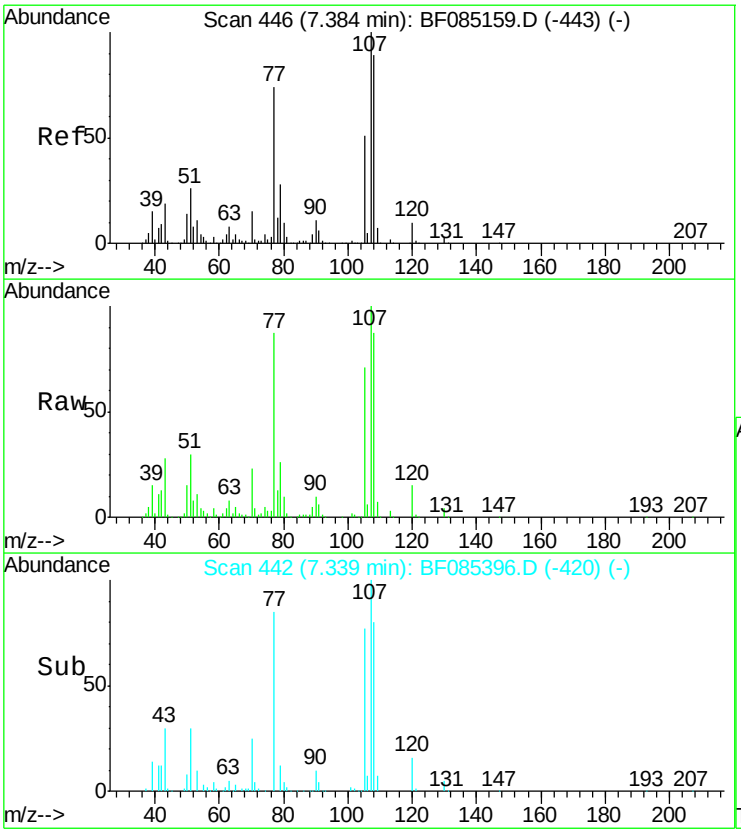
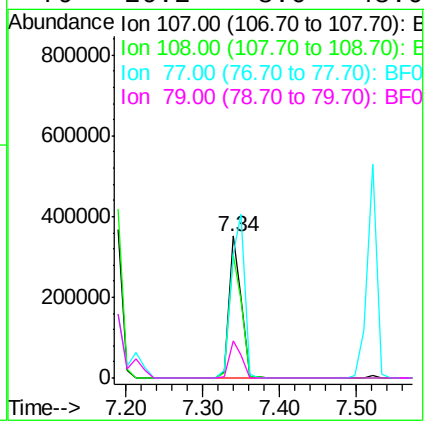
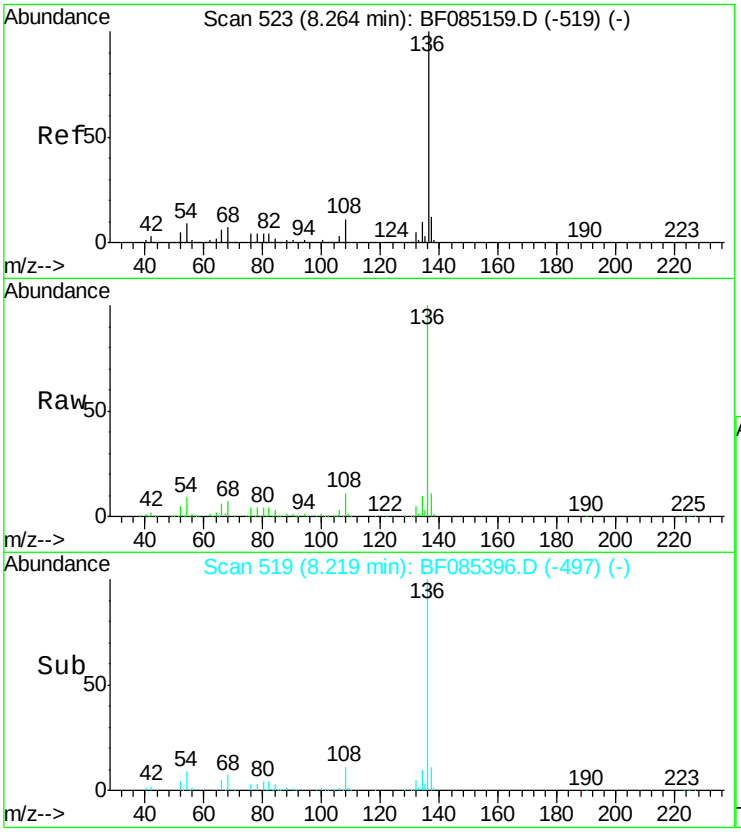



#20
3+4-Methylphenols
Concen: 38.57 ng
RT: 7.34 min Scan# 442
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:107 Resp: 394571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.6 | 68.8 | 108.8 |
| 77 | 87.3 | 53.6 | 93.6 |
| 79 | 26.2 | 8.0 | 48.0 |

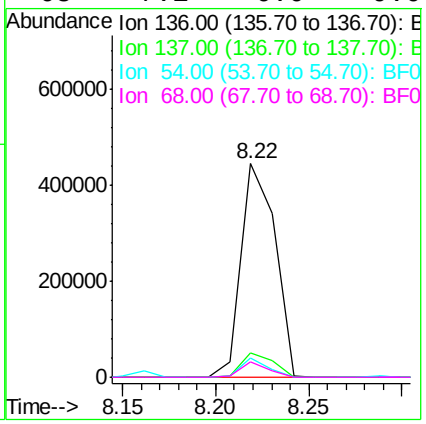





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:136 Resp: 562186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.3 | 13.9 |
| 54 | 8.9 | 7.4 | 11.2 |
| 68 | 7.1 | 6.0 | 9.0 |




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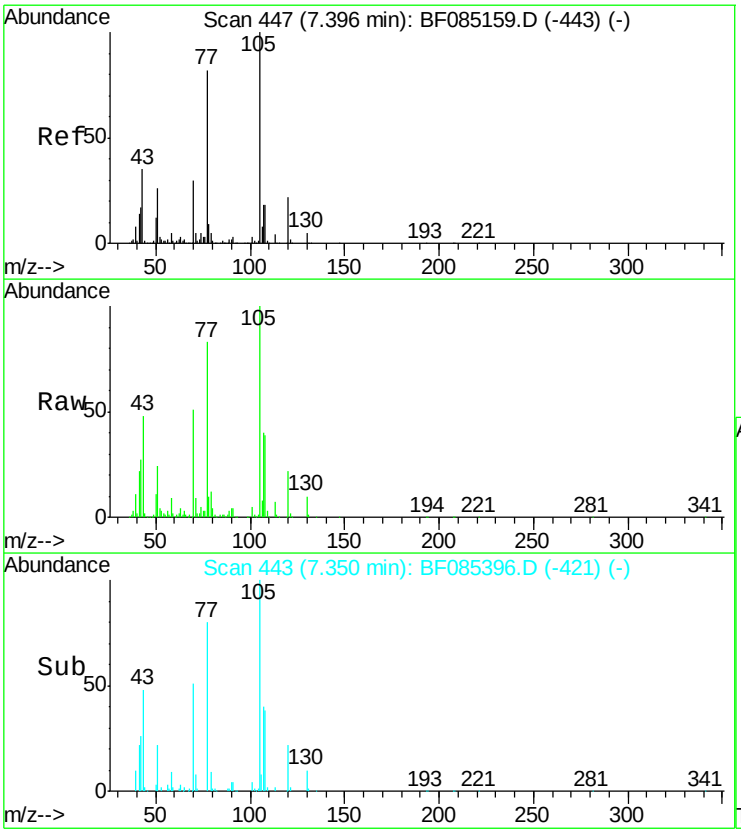
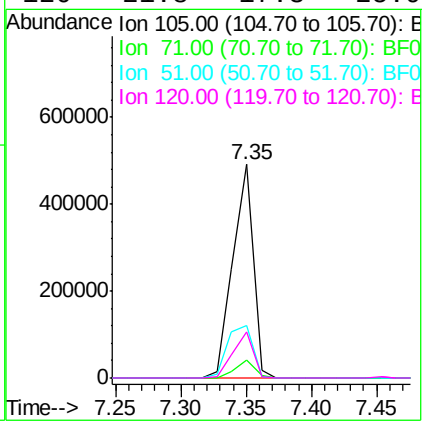
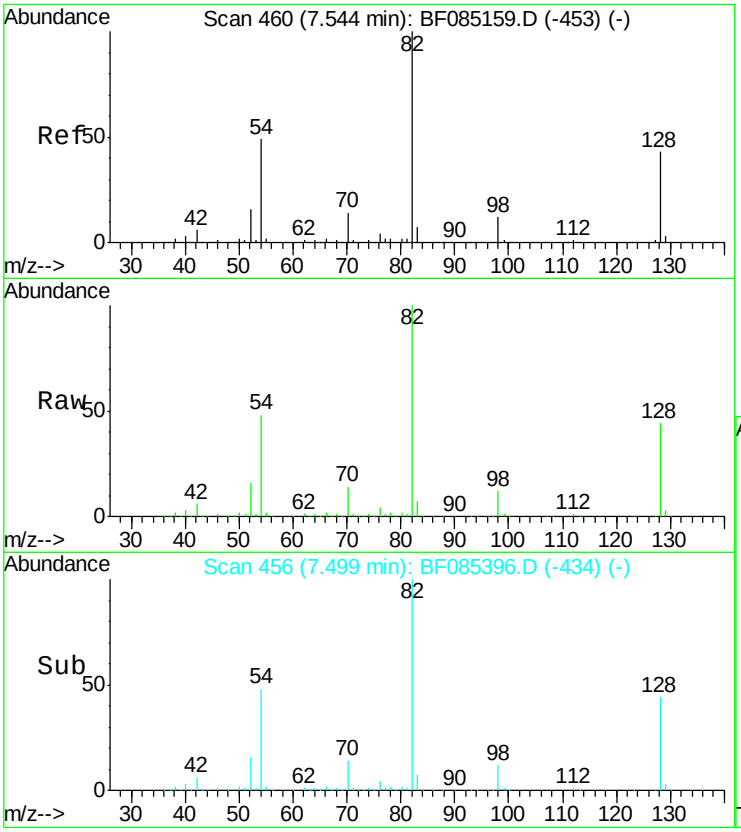



#22
Acetophenone
Concen: 38.84 ng
RT: 7.35 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:105 Resp: 533002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.6 | 4.1 | 6.1# |
| 51 | 24.4 | 21.1 | 31.7 |
| 120 | 21.8 | 17.3 | 25.9 |

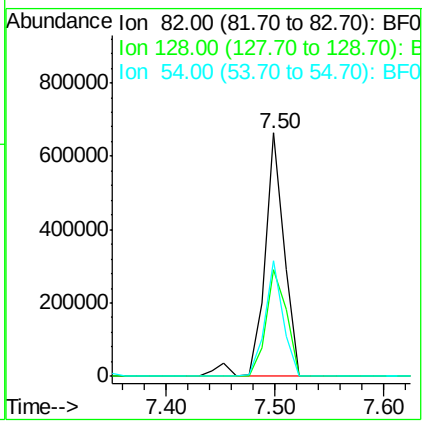





#23
Nitrobenzene-d5
Concen: 79.19 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 82 Resp: 831923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 34.5 | 51.7 |
| 54 | 47.5 | 39.3 | 58.9 |




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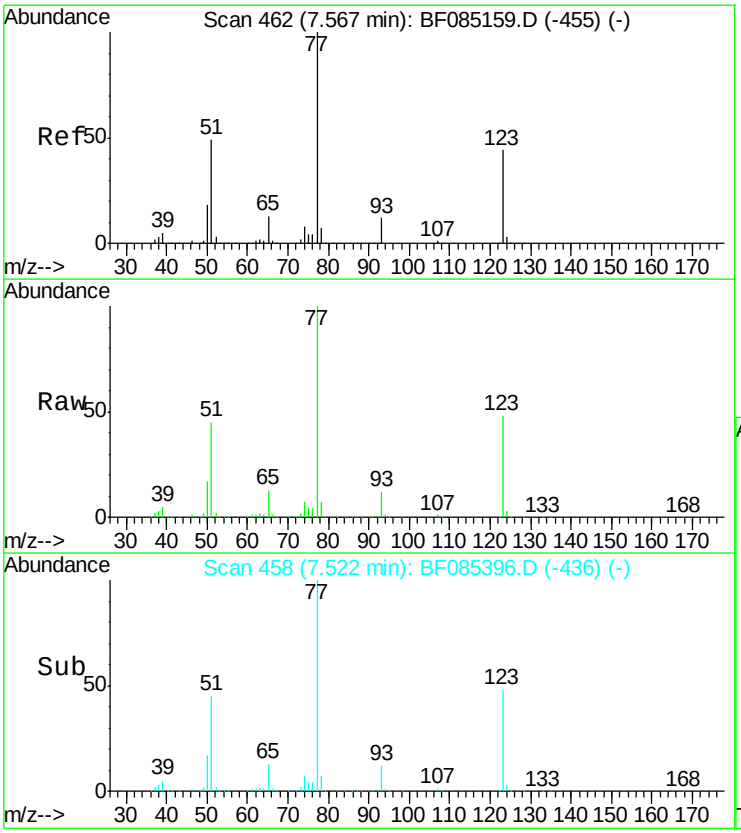
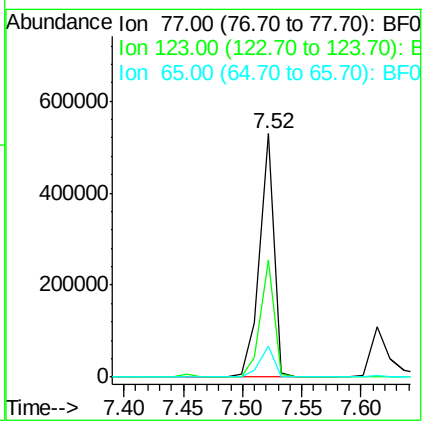
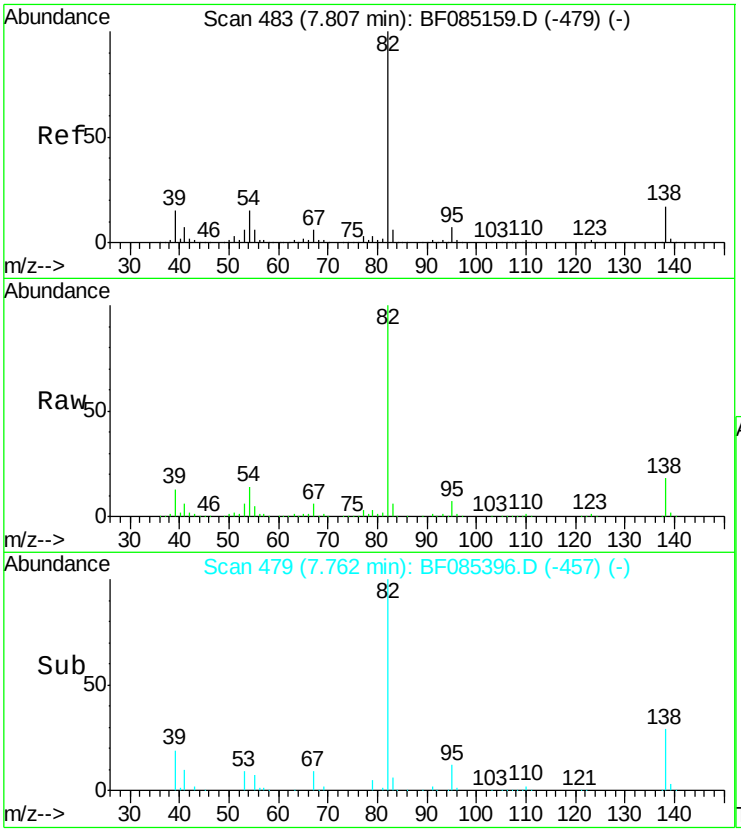



#24
Nitrobenzene
Concen: 42.77 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 77 Resp: 456452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.8 | 35.4 | 53.2 |
| 65 | 12.9 | 10.6 | 16.0 |

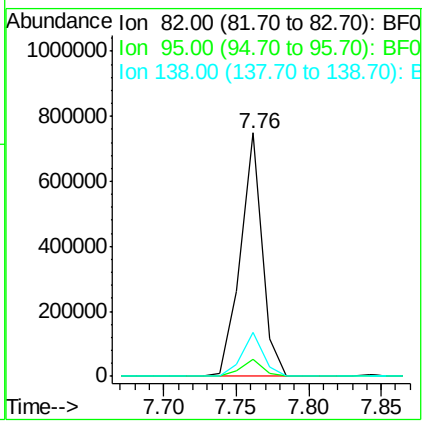





#25
Isophorone
Concen: 40.12 ng
RT: 7.76 min Scan# 479
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 82 Resp: 781058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.4 | 8.2 |
| 138 | 17.8 | 13.3 | 19.9 |




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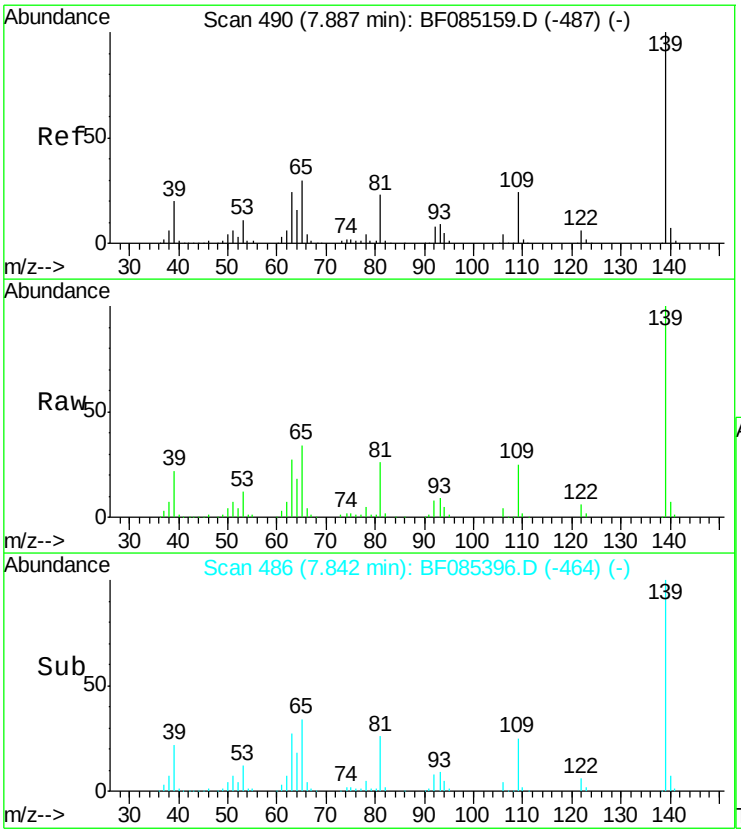
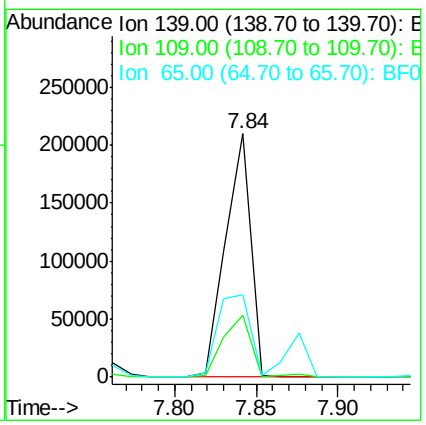
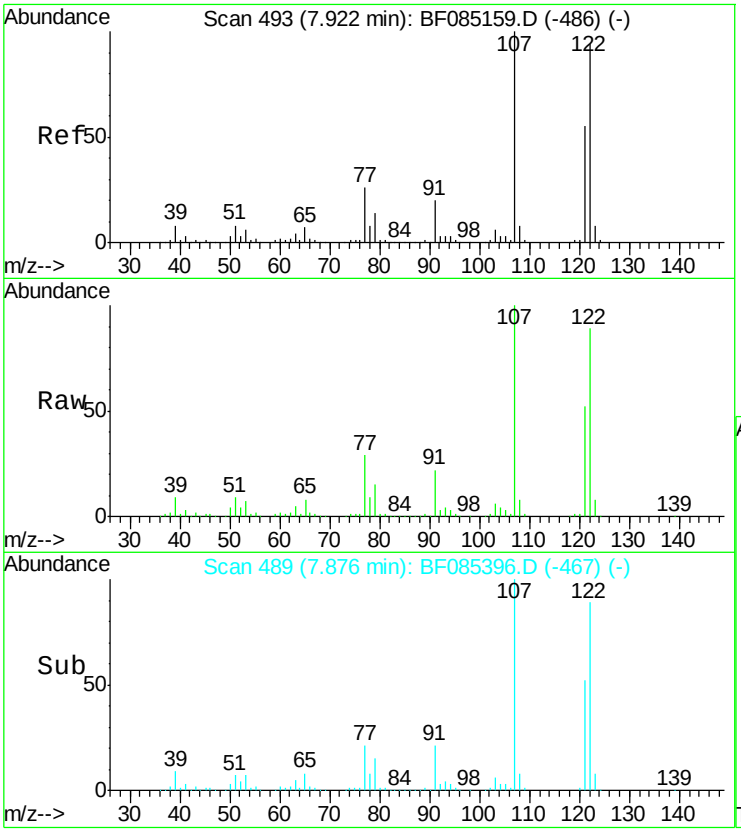



#26
2-Nitrophenol
Concen: 42.84 ng
RT: 7.84 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:139 Resp: 222488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 25.2 | 19.1 | 28.7 |
| 65 | 33.9 | 23.9 | 35.9 |

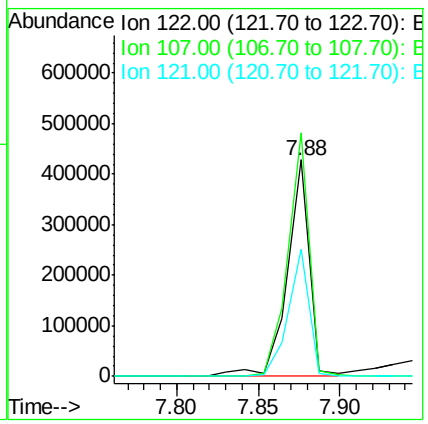





#27
2,4-Dimethylphenol
Concen: 42.41 ng
RT: 7.88 min Scan# 489
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:122 Resp: 402535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.5 | 84.8 | 127.2 |
| 121 | 58.8 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

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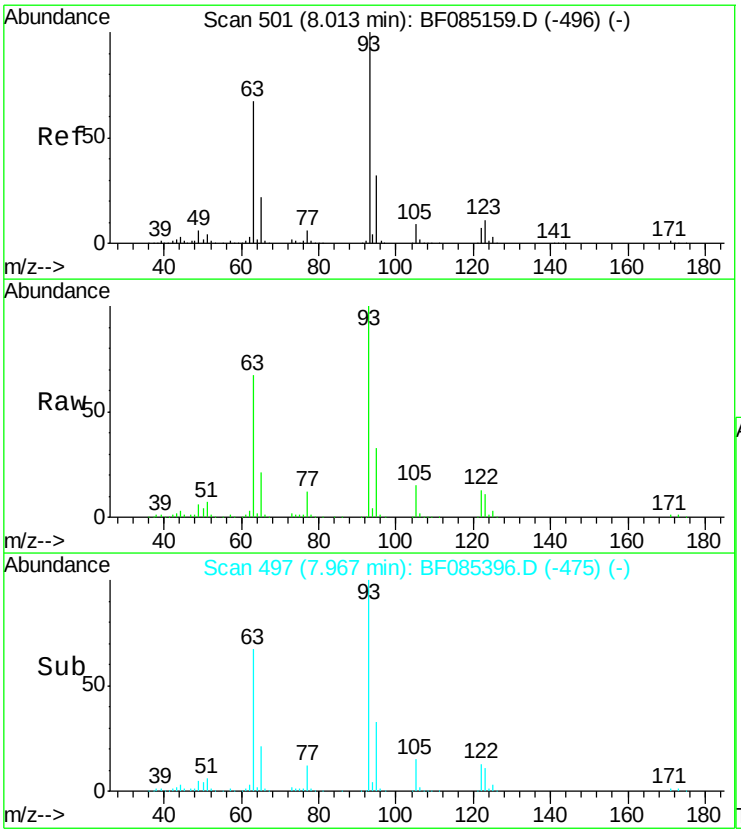
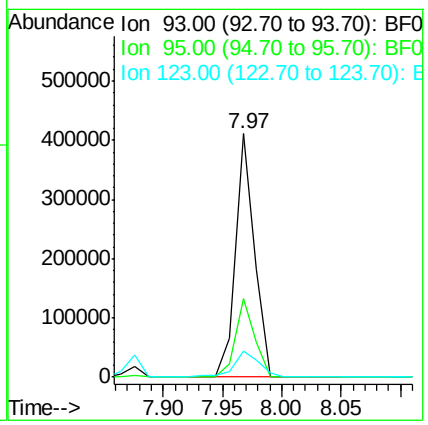
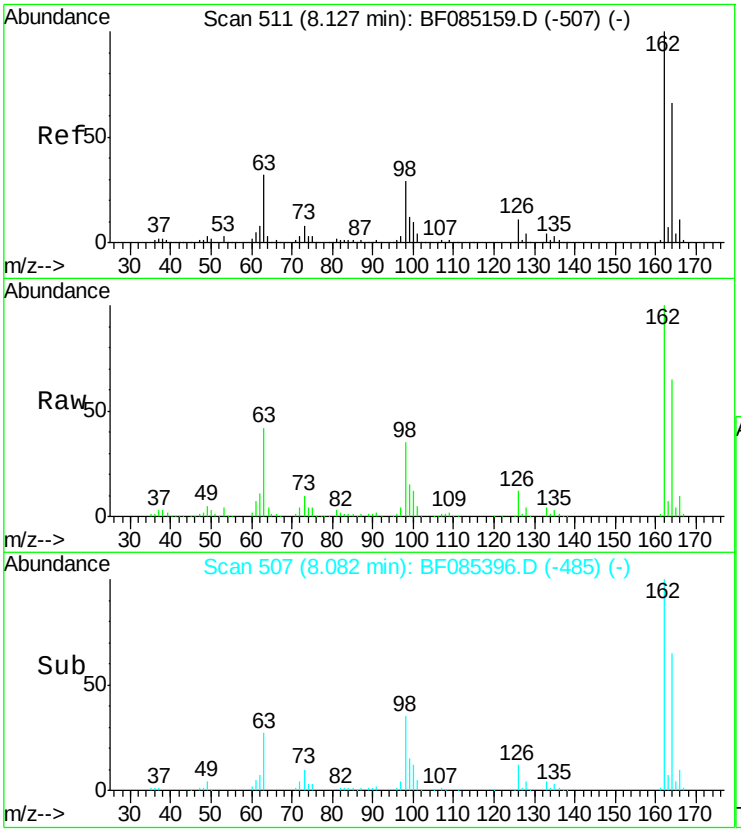



#28
bis(2-Chloroethoxy)methane
Concen: 41.97 ng
RT: 7.97 min Scan# 497
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 93 Resp: 455057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 25.9 | 38.9 |
| 123 | 10.8 | 8.8 | 13.2 |

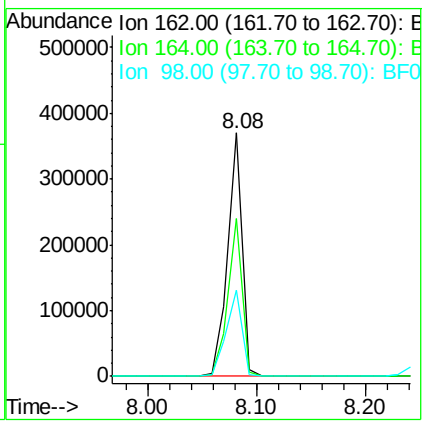





#29
2,4-Dichlorophenol
Concen: 44.24 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:162 Resp: 338606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 45.7 | 85.7 |
| 98 | 35.4 | 9.4 | 49.4 |




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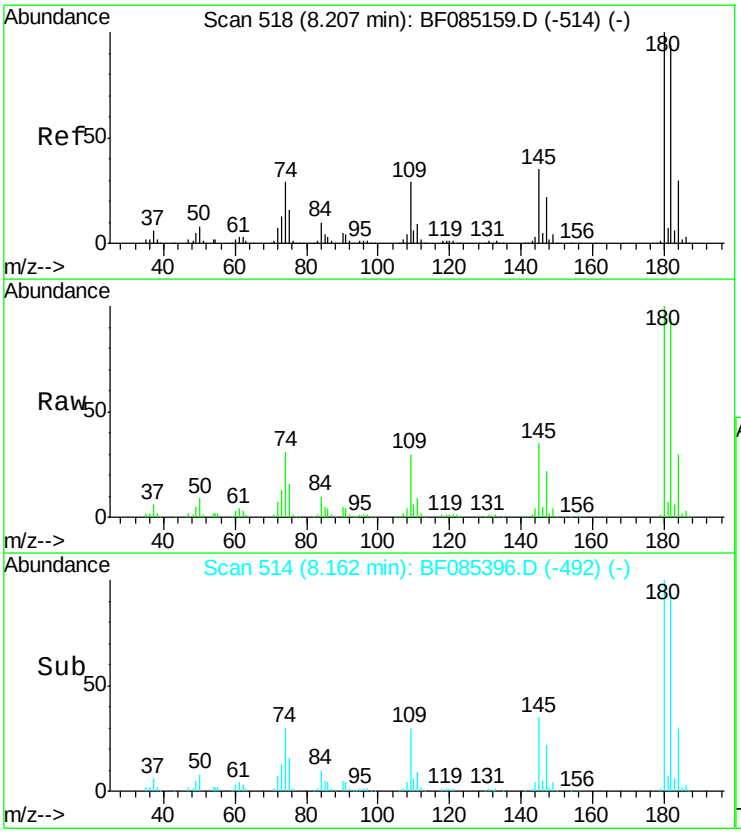
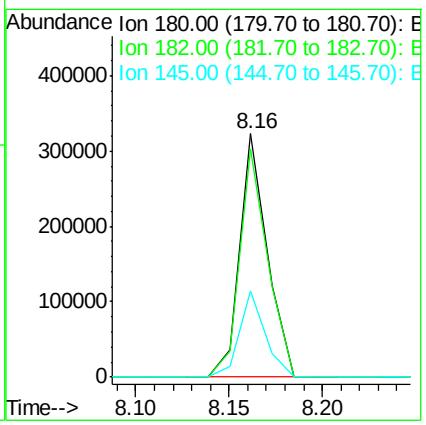
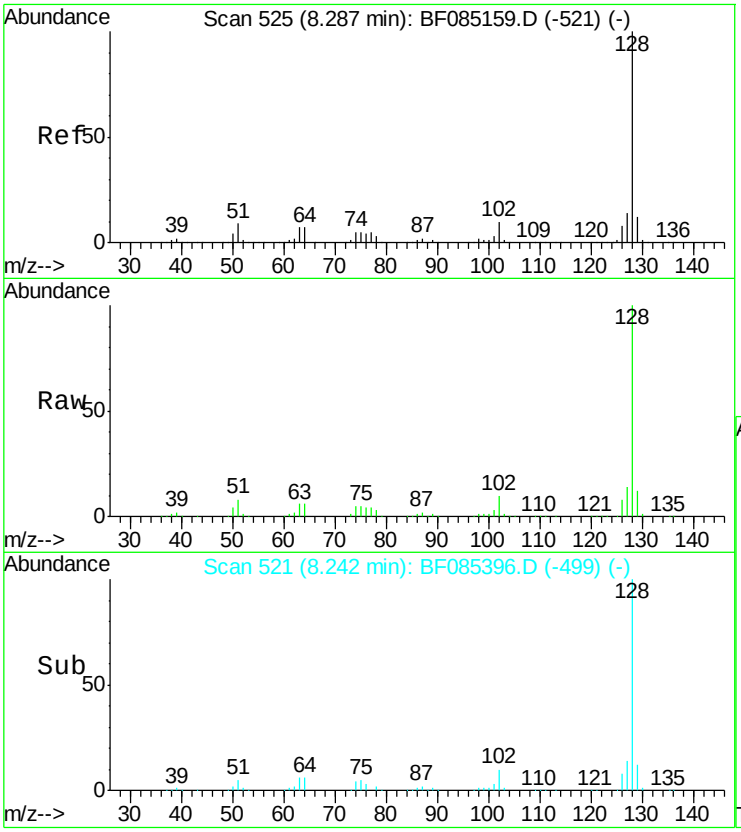



#30
1,2,4-Trichlorobenzene
Concen: 39.90 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:180 Resp: 330190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 74.9 | 112.3 |
| 145 | 35.1 | 27.9 | 41.9 |

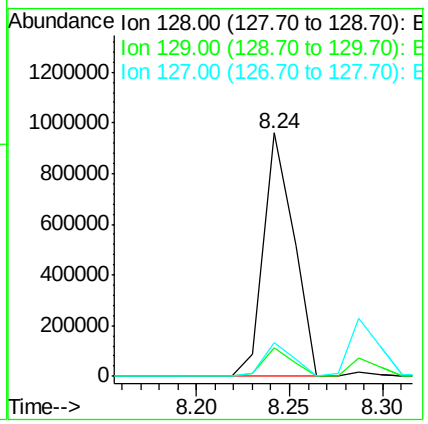





#31
Naphthalene
Concen: 39.03 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:128 Resp: 1078844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 9.7 | 14.5 |
| 127 | 13.6 | 11.2 | 16.8 |




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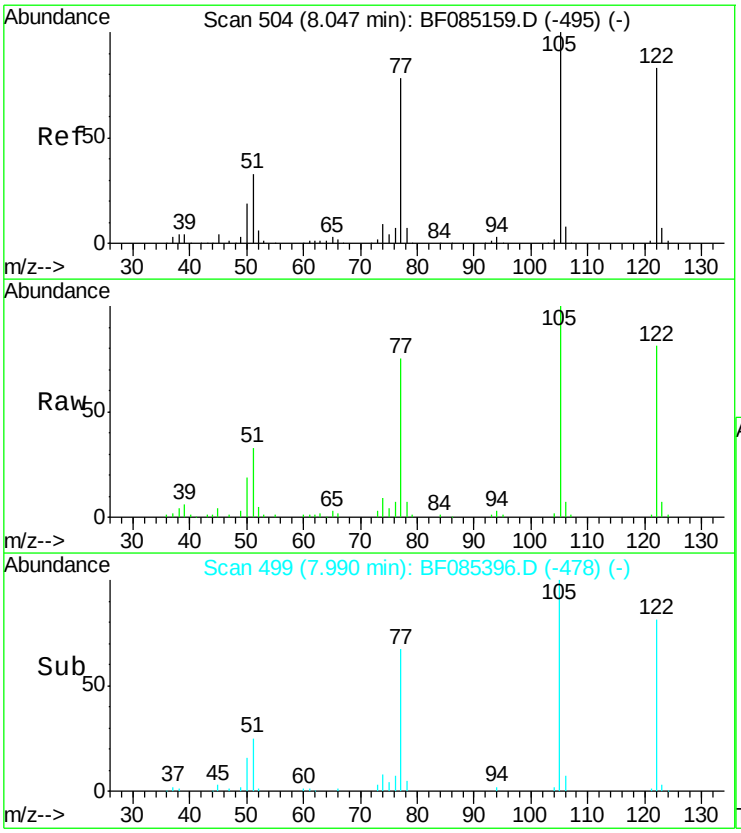
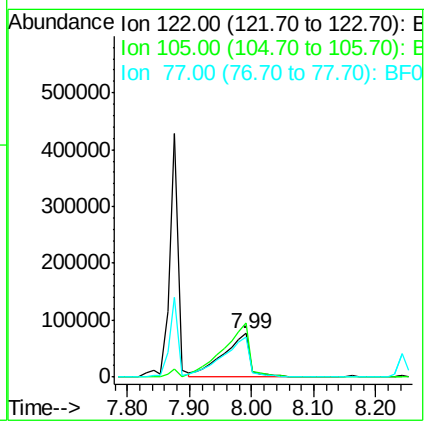
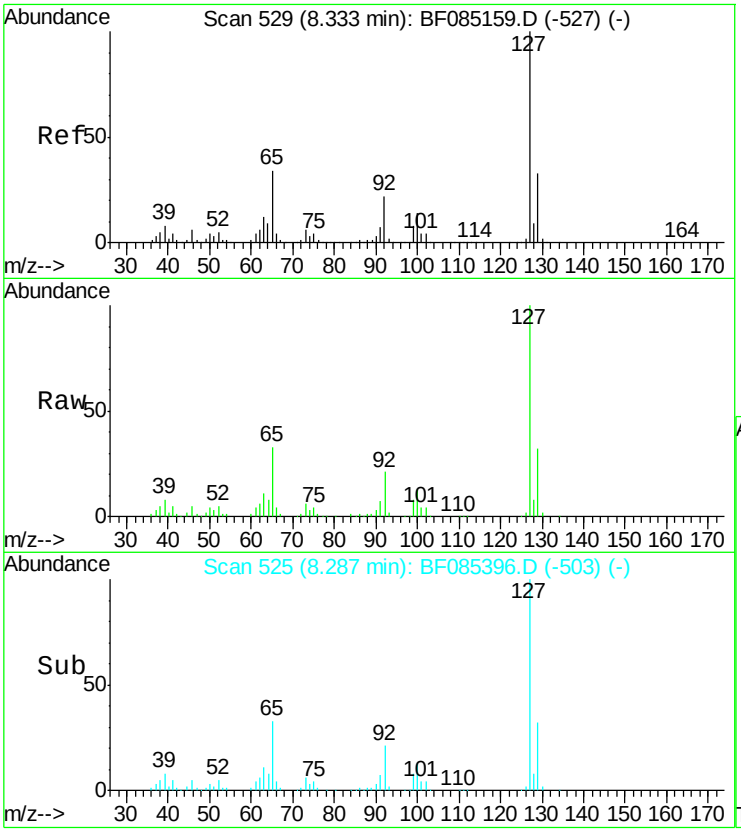



#32
Benzoic acid
Concen: 37.26 ng
RT: 7.99 min Scan# 499
Delta R.T. -0.06 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:122 Resp: 234925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.5 | 101.3 | 141.3 |
| 77 | 93.1 | 74.7 | 114.7 |

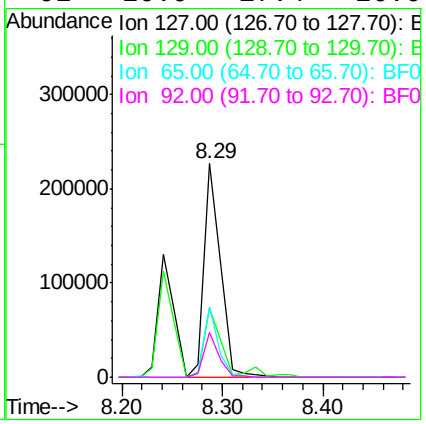





#33
4-Chloroaniline
Concen: 22.99 ng
RT: 8.29 min Scan# 525
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:127 Resp: 257032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 26.1 | 39.1 |
| 65 | 32.9 | 27.0 | 40.6 |
| 92 | 20.9 | 17.4 | 26.0 |




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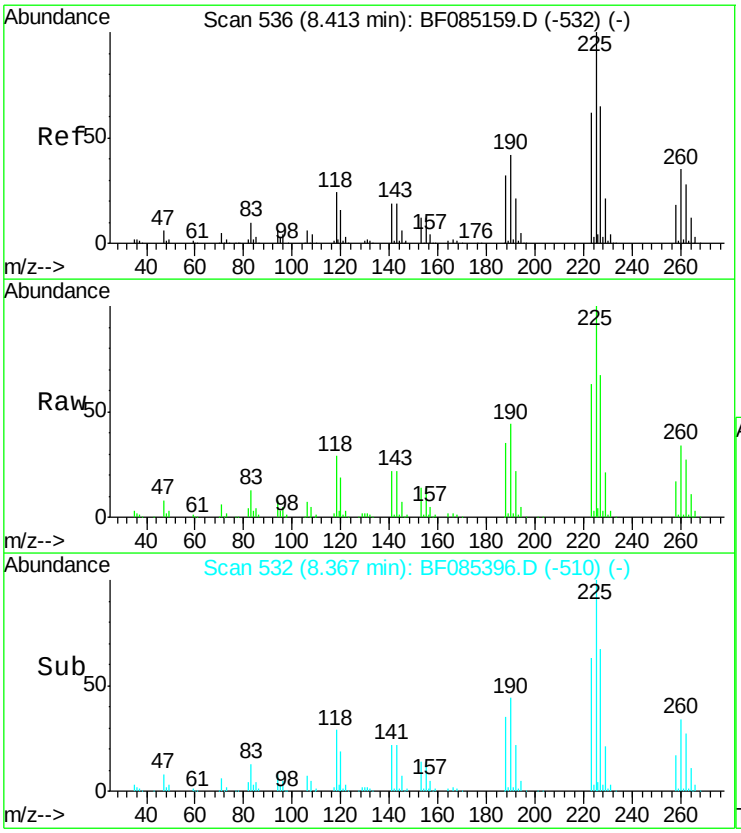
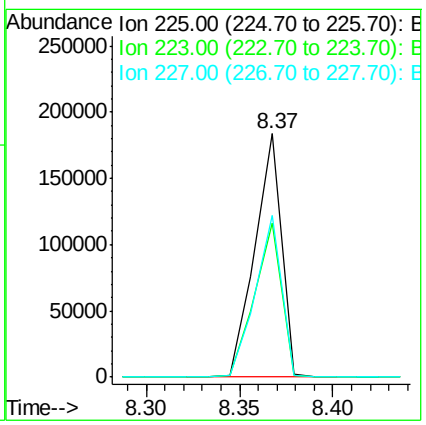
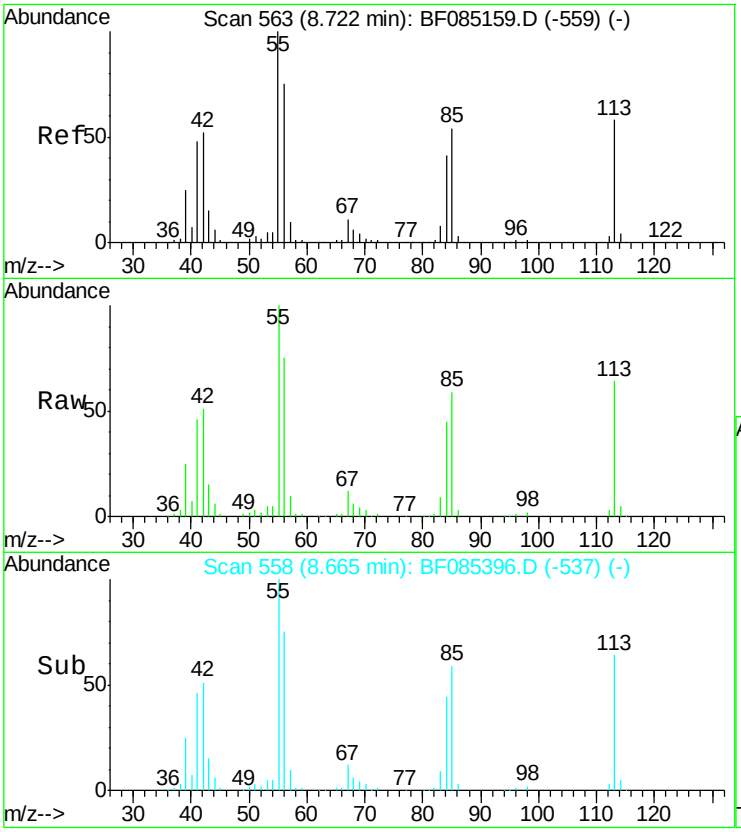



#34
Hexachlorobutadiene
Concen: 41.98 ng
RT: 8.37 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:225 Resp: 180784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 49.7 | 74.5 |
| 227 | 66.5 | 52.2 | 78.4 |

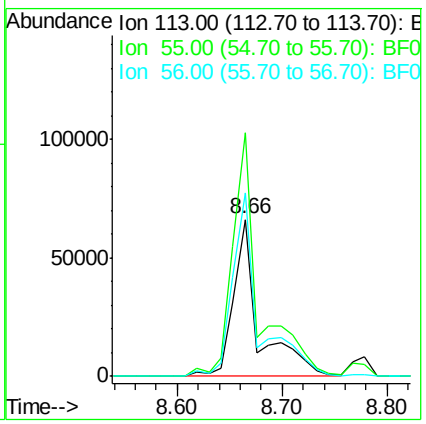





#35
Caprolactam
Concen: 44.19 ng m
RT: 8.66 min Scan# 558
Delta R.T. -0.06 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:113 Resp: 110475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 155.5 | 152.7 | 192.7 |
| 56 | 116.9 | 109.0 | 149.0 |

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**ClientSampleId :**
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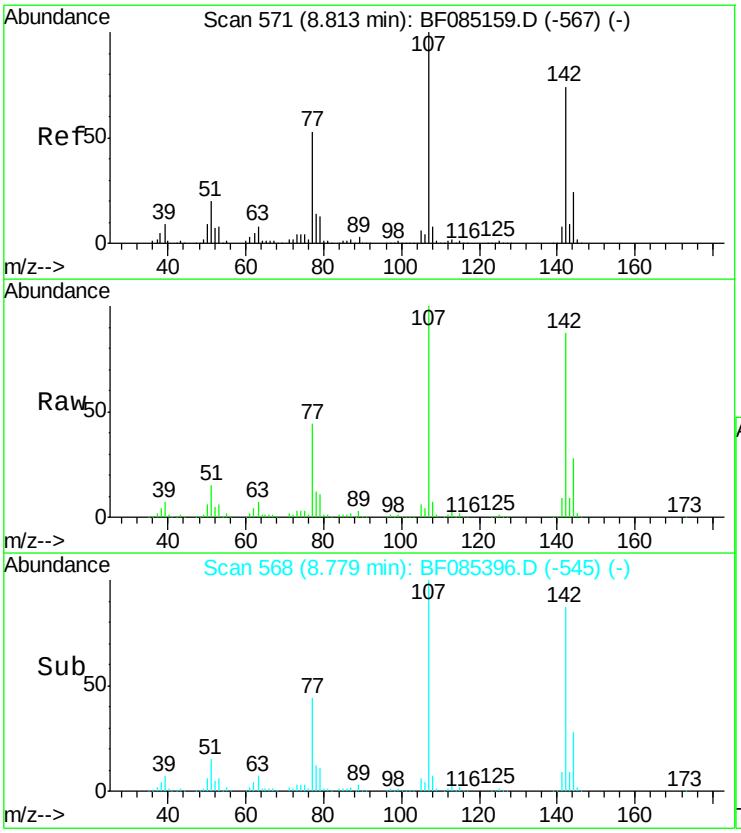
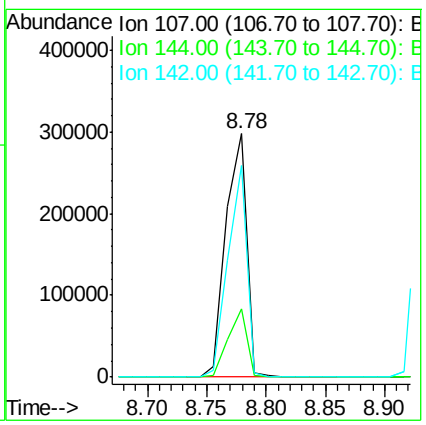
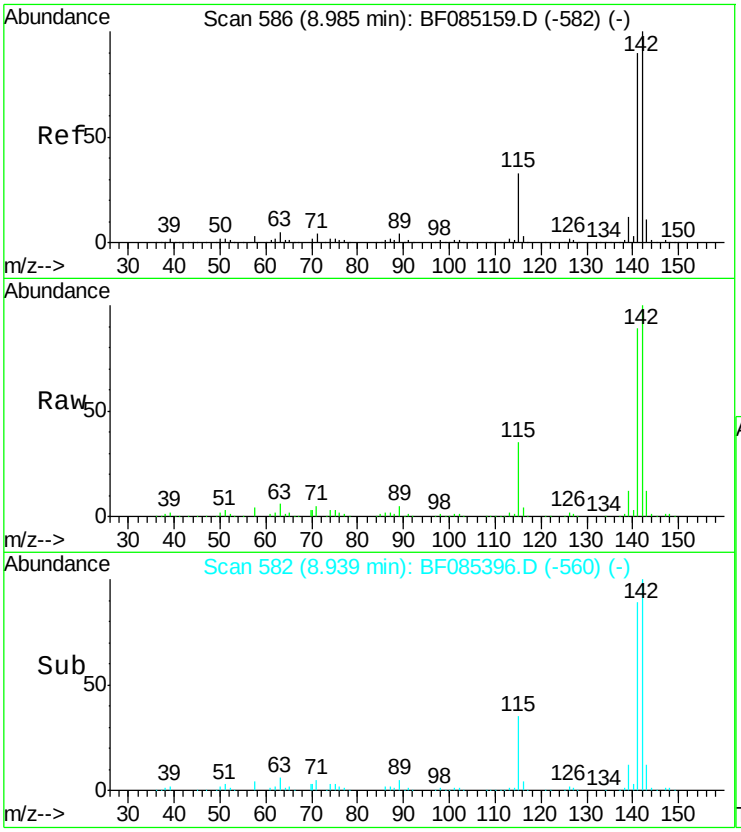



#36
4-Chloro-3-methylphenol
Concen: 41.62 ng
RT: 8.78 min Scan# 568
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:107 Resp: 361464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.1 | 19.4 | 29.2 |
| 142 | 86.7 | 59.4 | 89.2 |

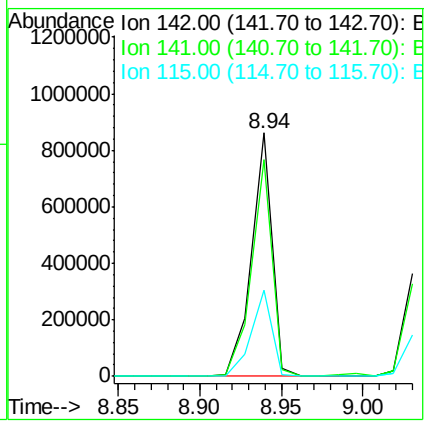





#37
2-Methylnaphthalene
Concen: 42.74 ng
RT: 8.94 min Scan# 582
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:142 Resp: 758263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.7 | 107.5 |
| 115 | 35.1 | 26.2 | 39.4 |




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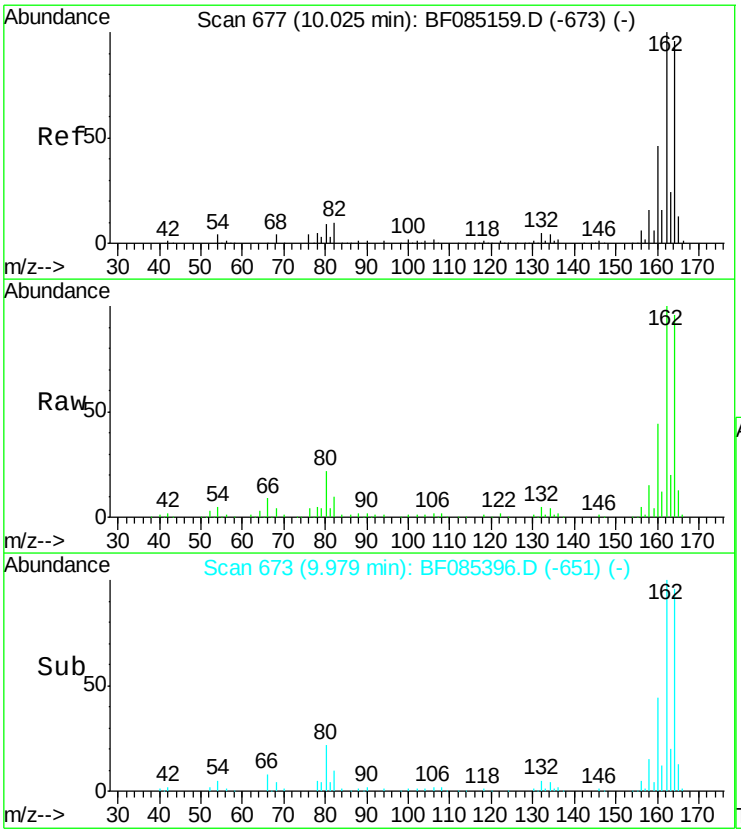
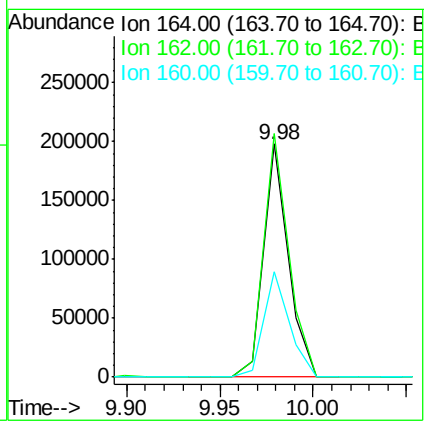
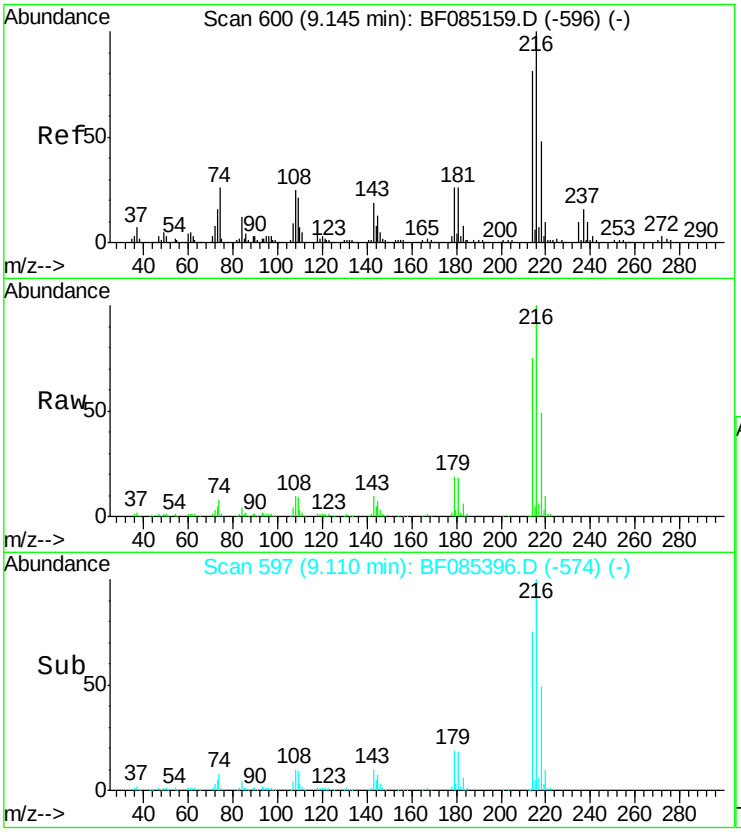



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:164 Resp: 179944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.5 | 83.3 | 124.9 |
| 160 | 45.4 | 37.9 | 56.9 |

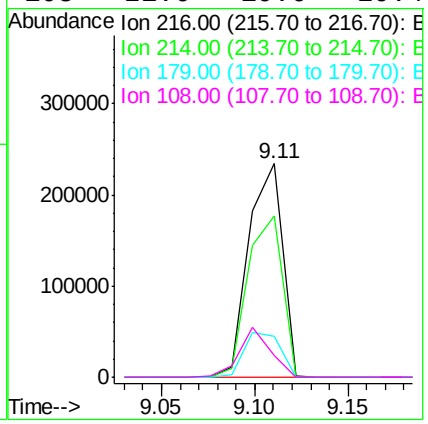





#39
1,2,4,5-Tetrachlorobenzene
Concen: 57.11 ng
RT: 9.11 min Scan# 597
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:216 Resp: 293882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.5 | 63.8 | 95.6 |
| 179 | 22.8 | 19.6 | 29.4 |
| 108 | 21.6 | 19.6 | 29.4 |




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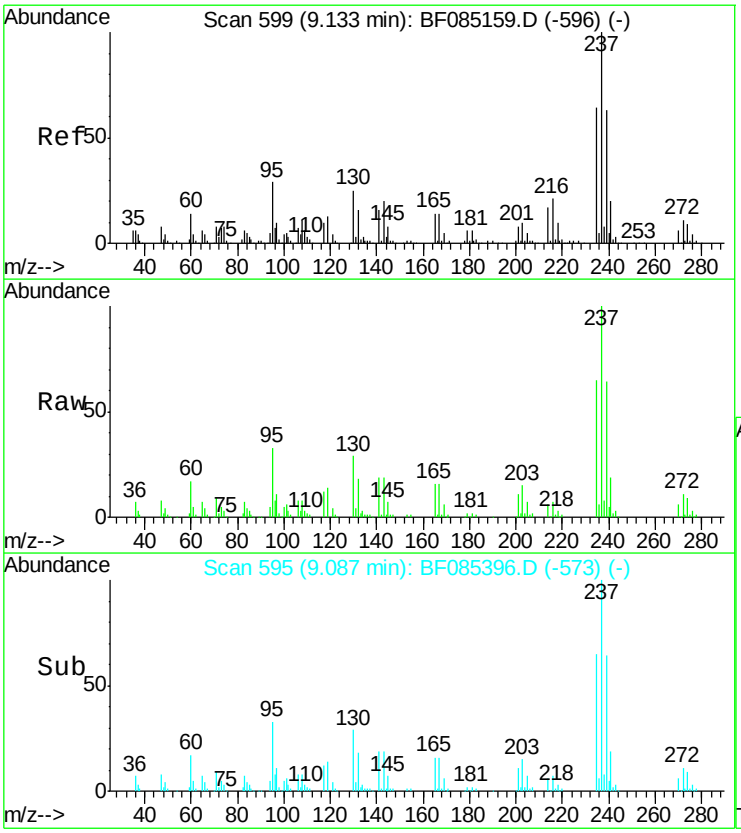
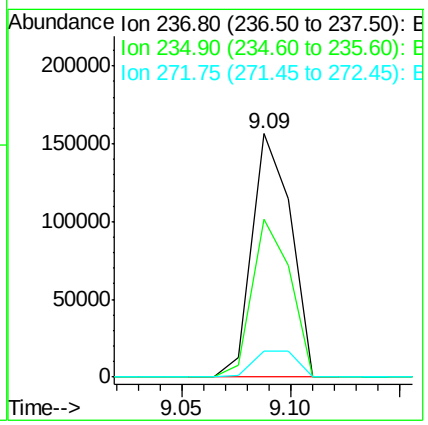
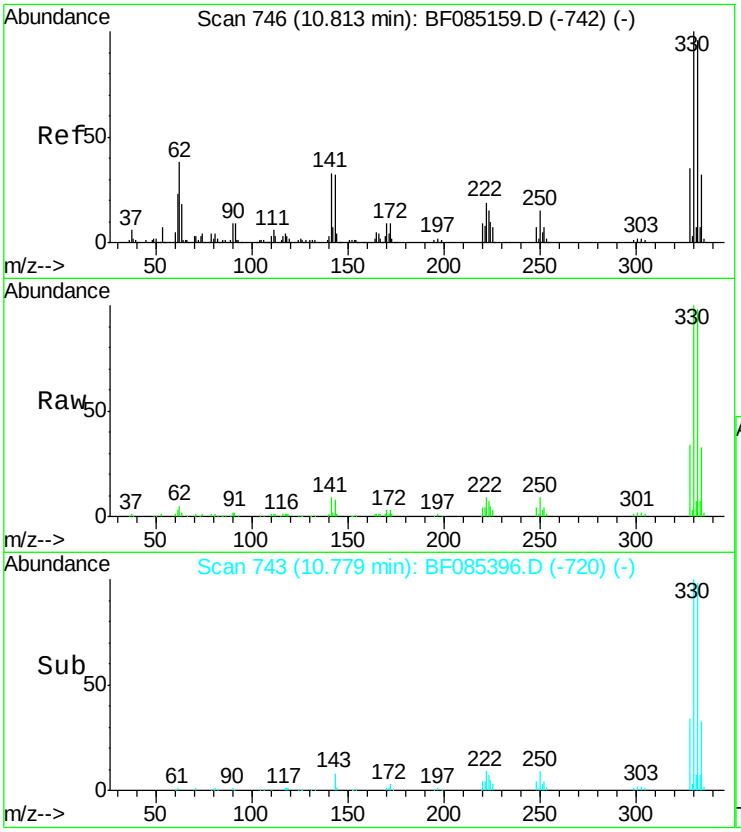



#40
Hexachlorocyclopentadiene
Concen: 70.05 ng
RT: 9.09 min Scan# 595
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:237 Resp: 194443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.8 | 43.7 | 83.7 |
| 272 | 10.9 | 0.0 | 31.5 |

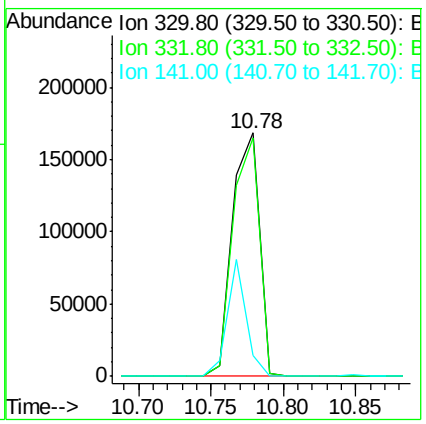





#41
2,4,6-Tribromophenol
Concen: 141.37 ng
RT: 10.78 min Scan# 743
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:330 Resp: 217672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 77.1 | 115.7 |
| 141 | 33.4 | 35.0 | 52.6# |




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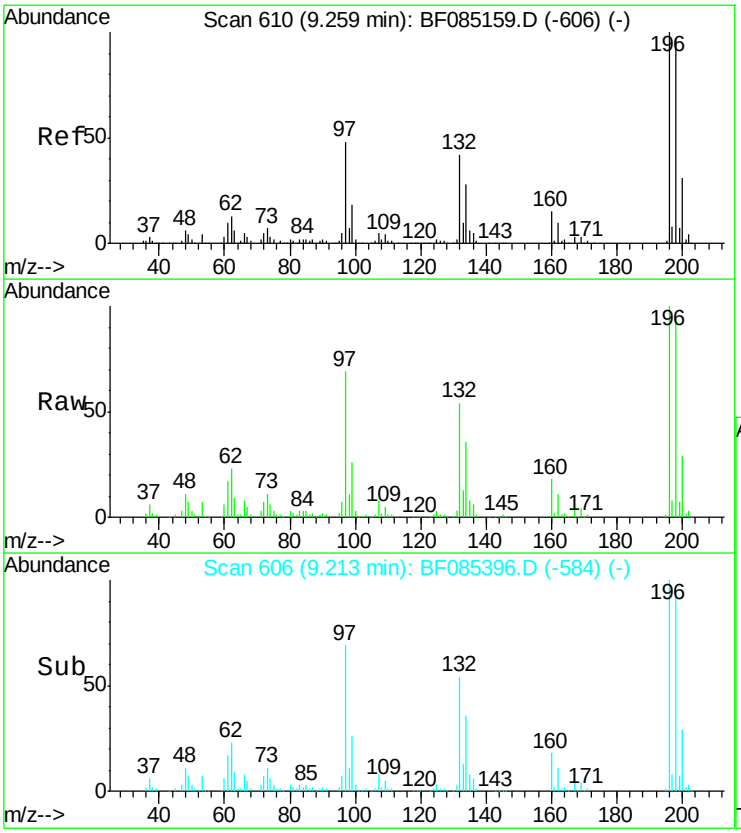
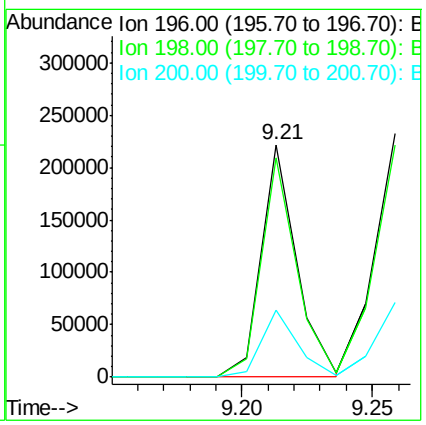
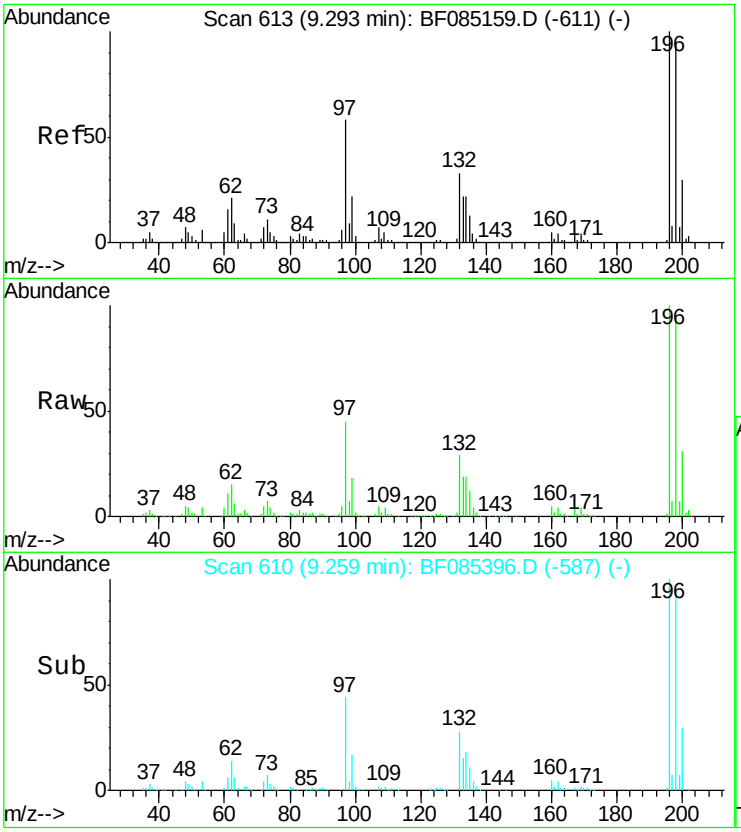



#42
2,4,6-Trichlorophenol
Concen: 54.09 ng
RT: 9.21 min Scan# 606
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:196 Resp: 207190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.1 | 77.8 | 116.6 |
| 200 | 28.9 | 25.0 | 37.6 |

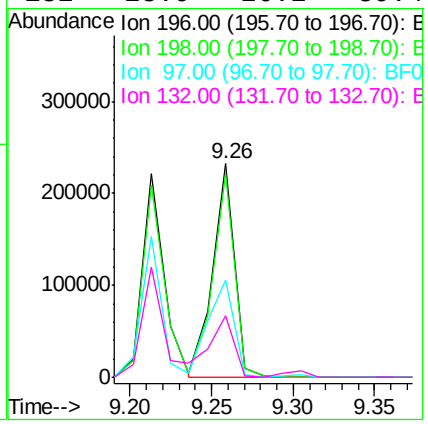





#43
2,4,5-Trichlorophenol
Concen: 59.53 ng
RT: 9.26 min Scan# 610
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:196 Resp: 216224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 75.7 | 113.5 |
| 97 | 45.3 | 46.4 | 69.6# |
| 132 | 28.9 | 26.2 | 39.4 |




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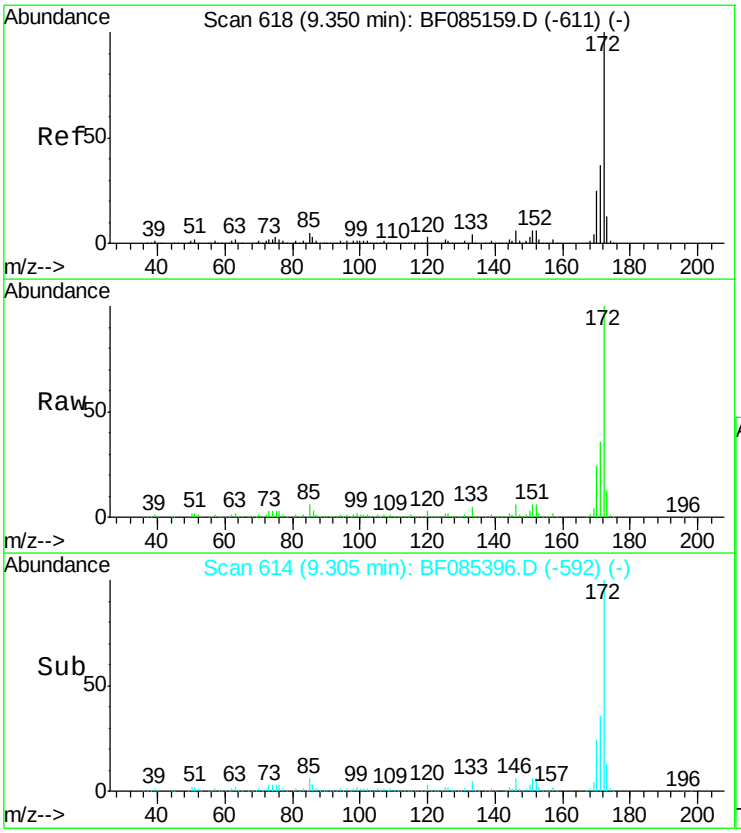
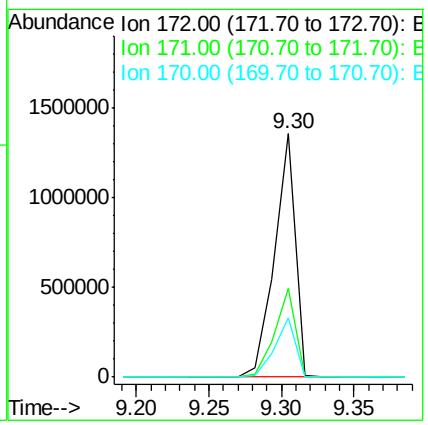
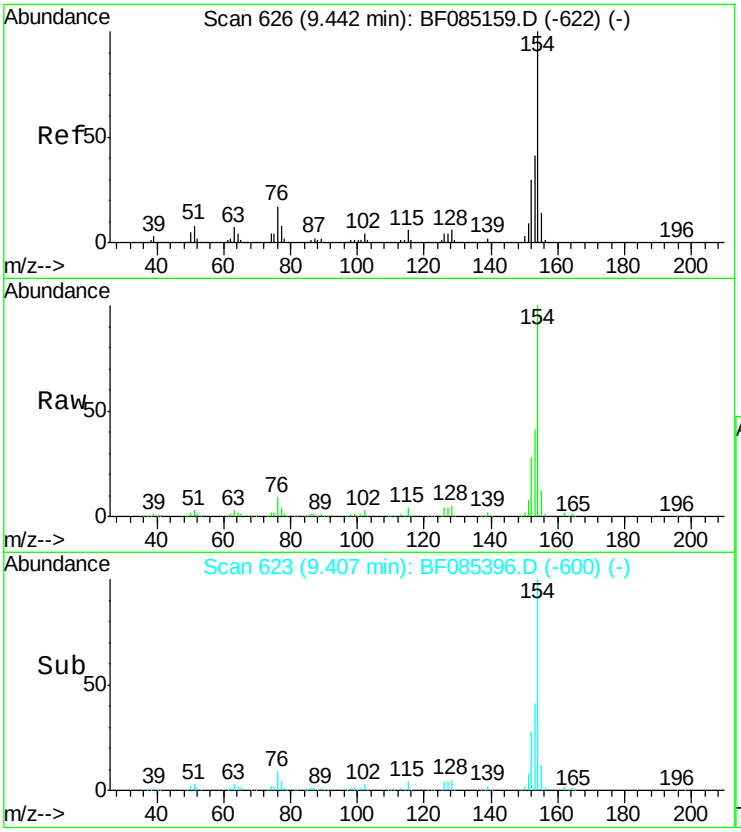



#44
2-Fluorobiphenyl
Concen: 114.10 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:172 Resp: 1349973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.3 | 43.9 |
| 170 | 24.5 | 20.0 | 30.0 |

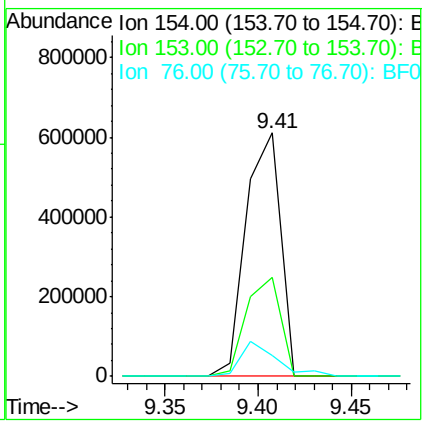





#45
1,1'-Biphenyl
Concen: 50.91 ng
RT: 9.41 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:154 Resp: 782631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 21.4 | 61.4 |
| 76 | 8.7 | 0.0 | 37.5 |




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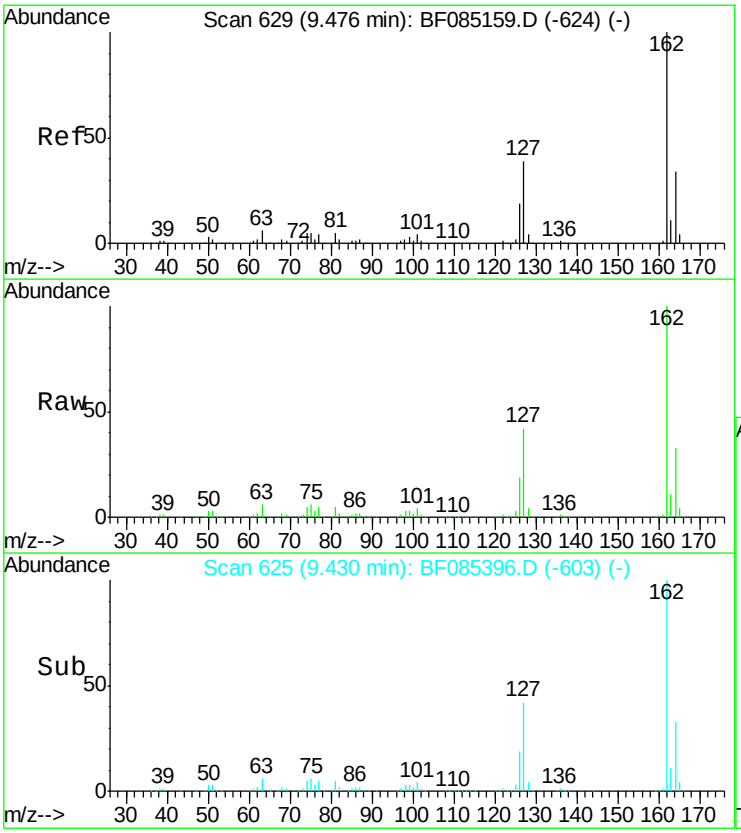
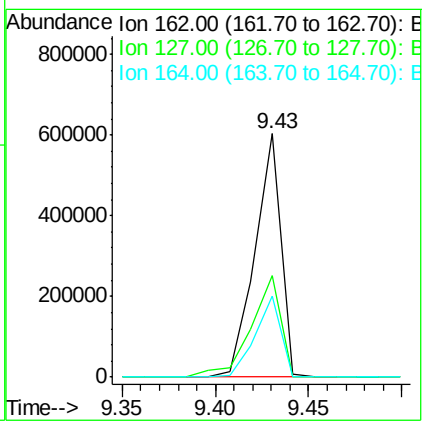
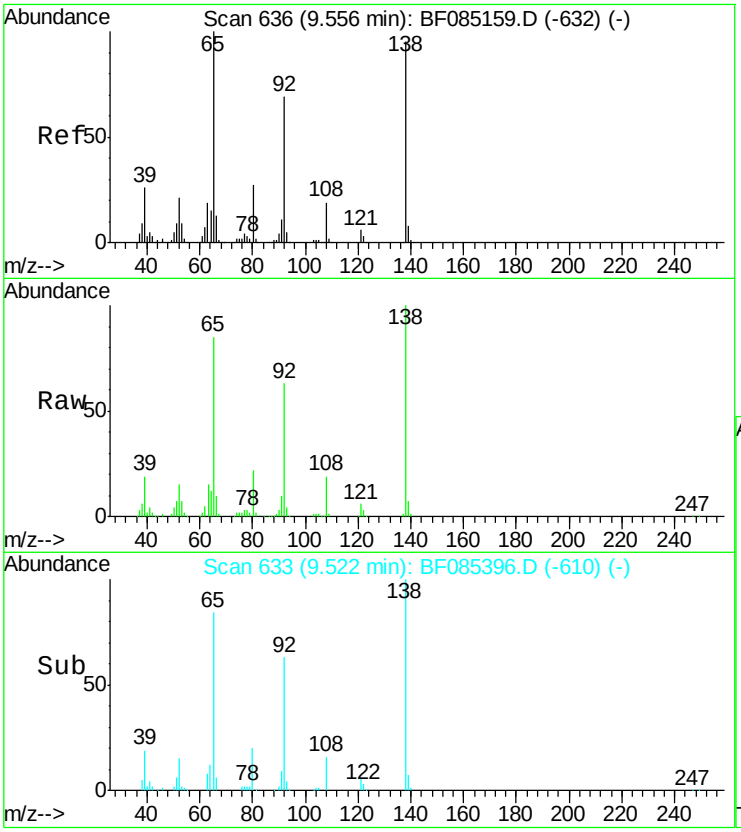



#46
2-Chloronaphthalene
Concen: 50.15 ng
RT: 9.43 min Scan# 625
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:162 Resp: 587650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.7 | 31.6 | 47.4 |
| 164 | 33.4 | 27.1 | 40.7 |

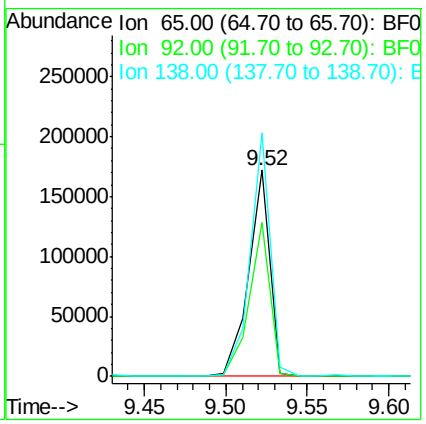





#47
2-Nitroaniline
Concen: 42.68 ng
RT: 9.52 min Scan# 633
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 65 Resp: 154999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.5 | 55.4 | 83.2 |
| 138 | 118.2 | 75.7 | 113.5# |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

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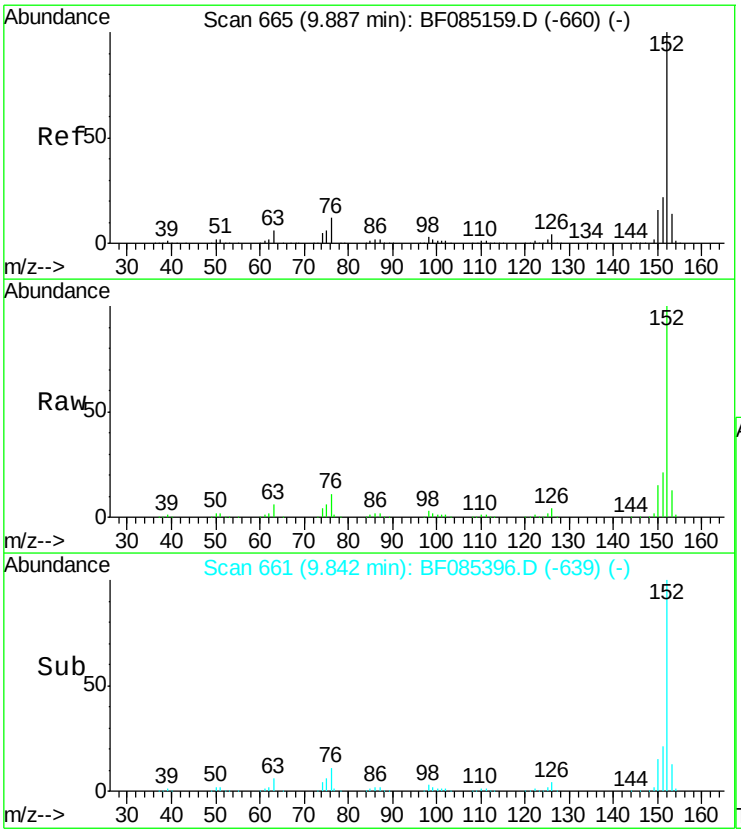
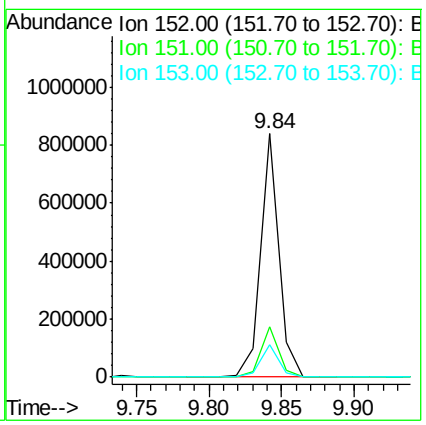
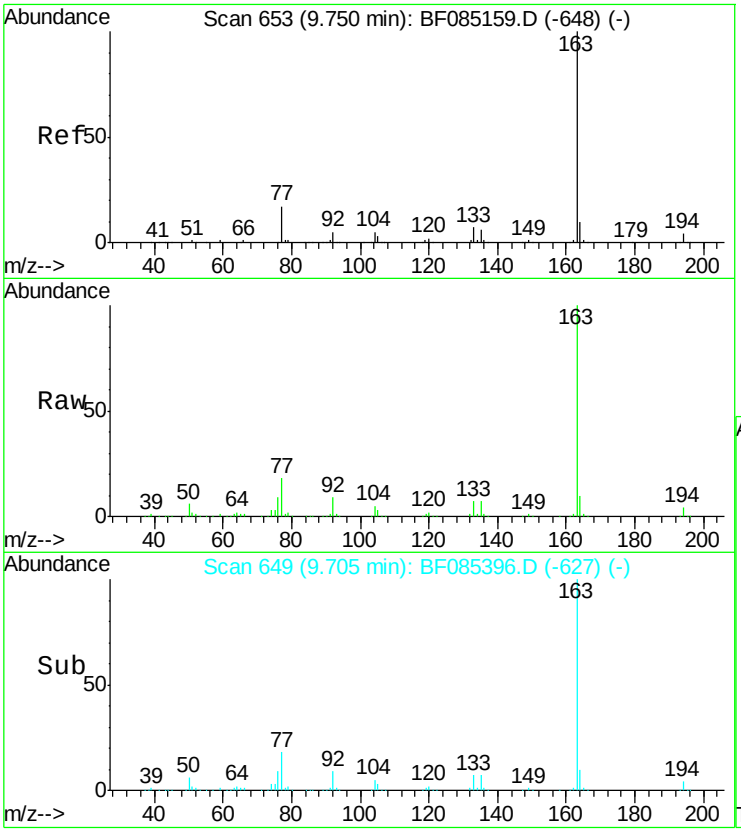



#48
Acenaphthylene
Concen: 40.12 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:152 Resp: 731792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 17.5 | 26.3 |
| 153 | 13.3 | 11.3 | 16.9 |

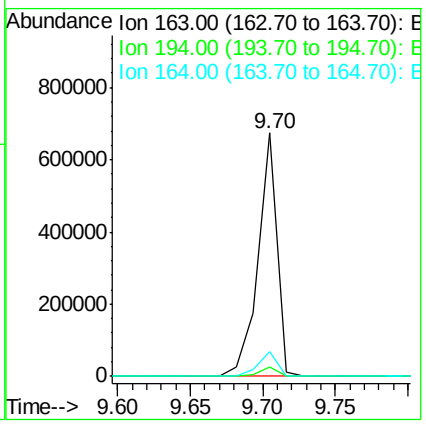





#49
Dimethylphthalate
Concen: 44.27 ng
RT: 9.70 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:163 Resp: 611476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.1 | 4.7 |
| 164 | 10.2 | 8.2 | 12.4 |




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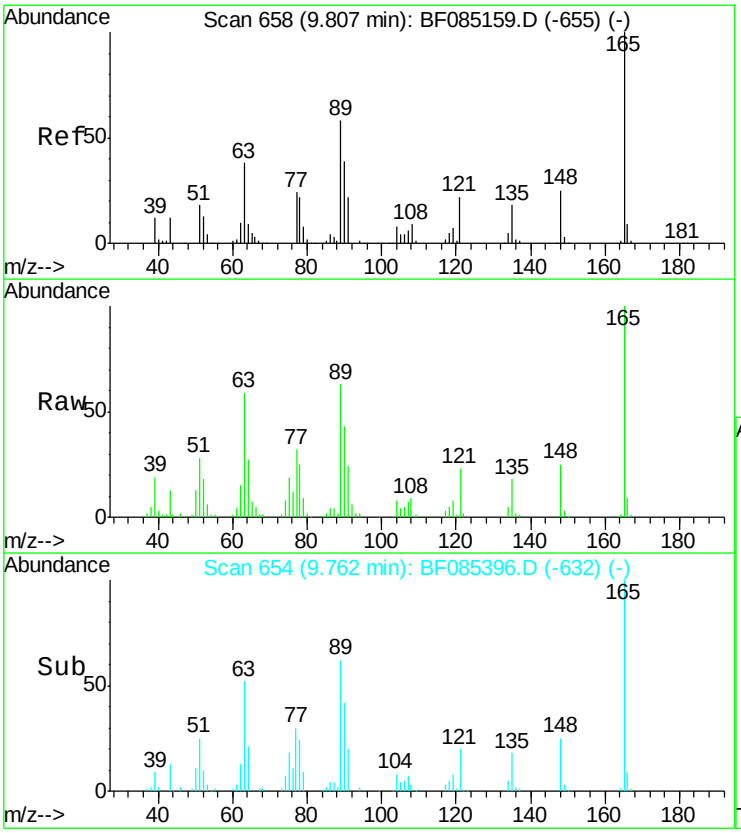
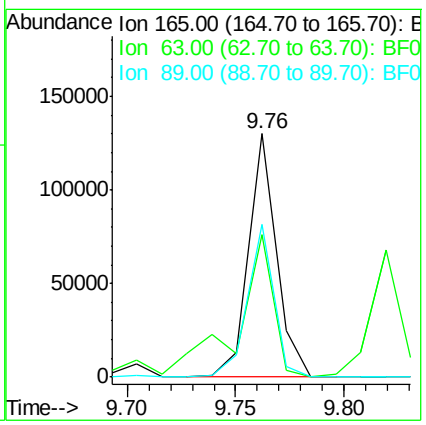
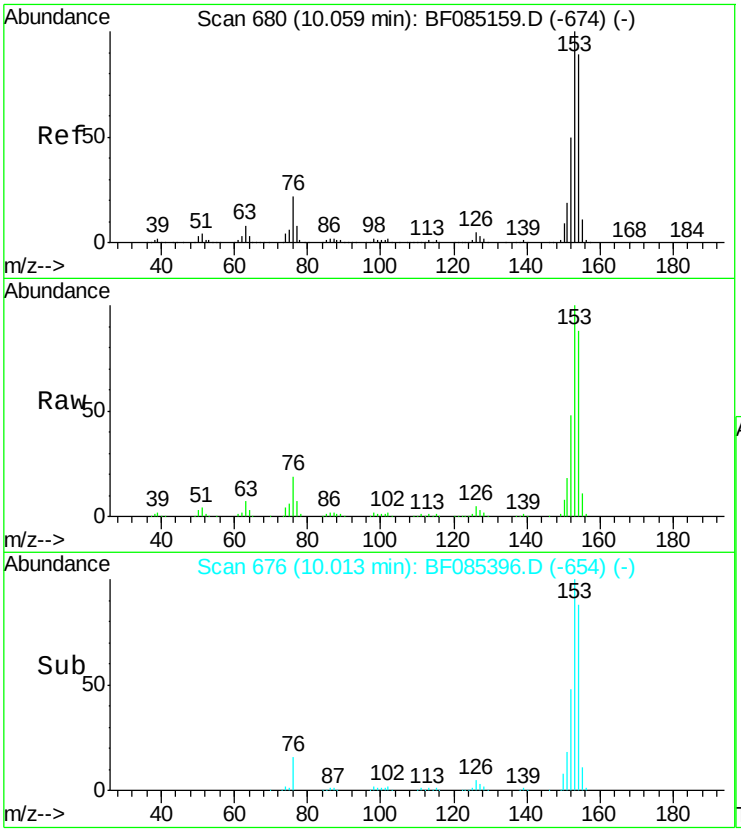



#50
2,6-Dinitrotoluene
Concen: 39.35 ng
RT: 9.76 min Scan# 654
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:165 Resp: 116273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.8 | 41.8 | 62.8 |
| 89 | 62.7 | 46.7 | 70.1 |

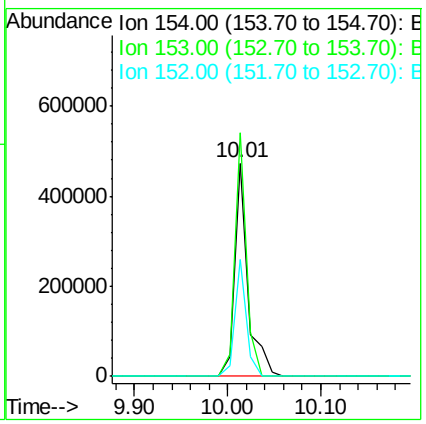





#51
Acenaphthene
Concen: 42.61 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:154 Resp: 471836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.1 | 89.8 | 134.8 |
| 152 | 54.9 | 44.6 | 66.8 |

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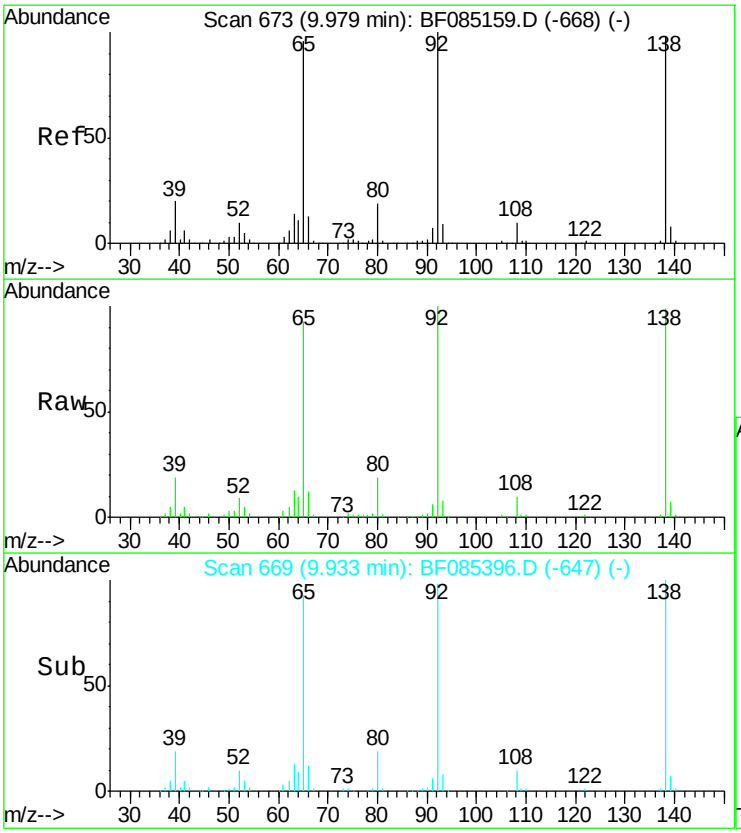
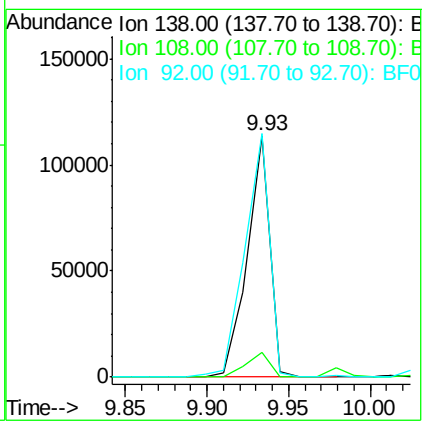
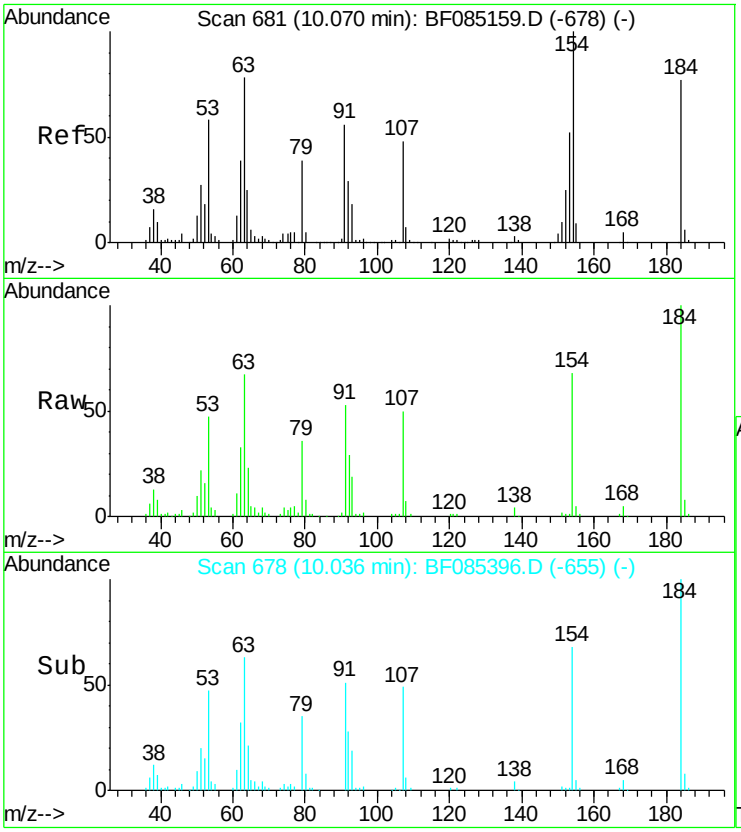



#52
3-Nitroaniline
Concen: 30.81 ng
RT: 9.93 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:138 Resp: 108902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 7.8 | 11.6 |
| 92 | 100.8 | 81.3 | 121.9 |






#53
2,4-Dinitrophenol
Concen: 58.97 ng
RT: 10.04 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:184 Resp: 84900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.4 | 82.2 | 123.4# |
| 154 | 68.3 | 108.9 | 163.3# |

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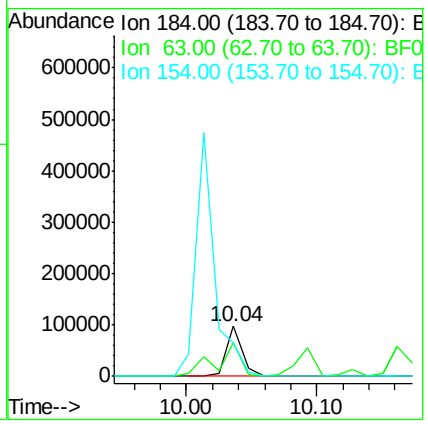
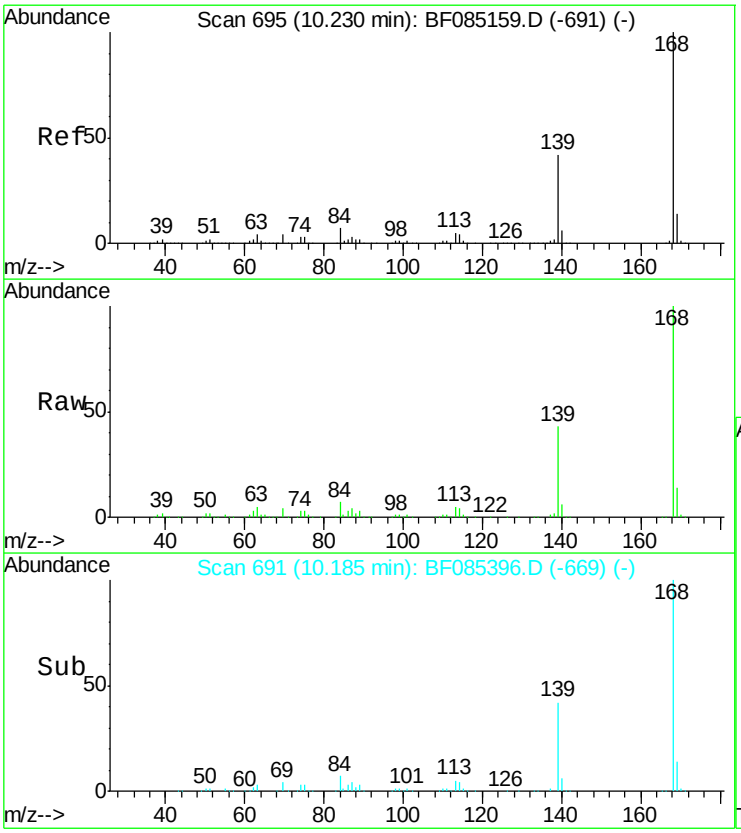
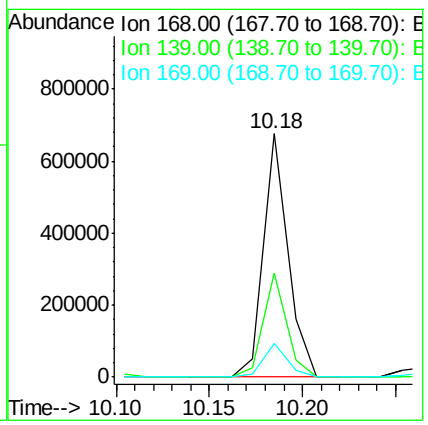


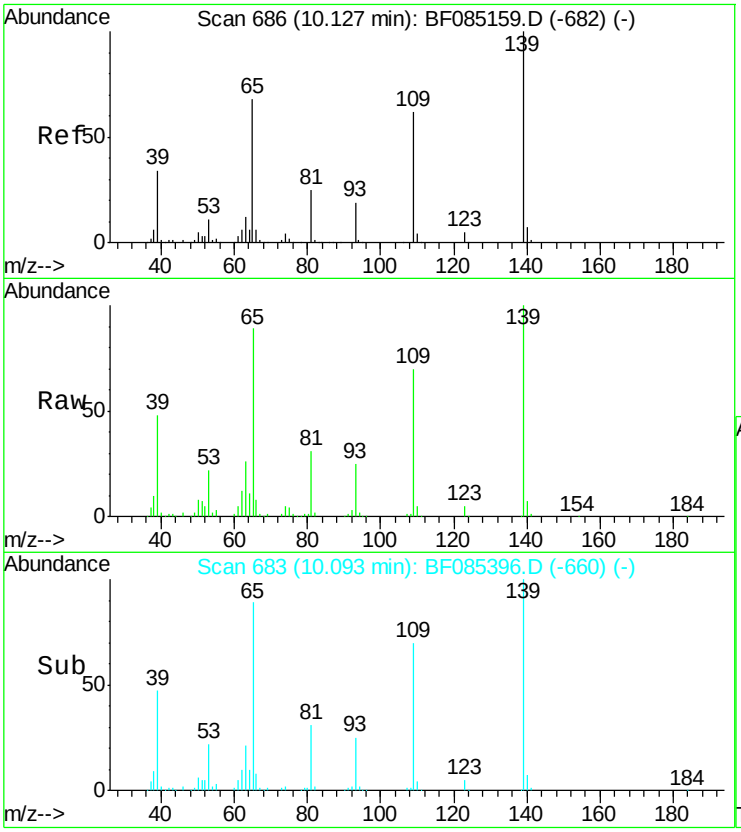




#54
Dibenzofuran
Concen: 42.22 ng
RT: 10.18 min Scan# 691
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:168 Resp: 612558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.8 | 33.6 | 50.4 |
| 169 | 13.6 | 11.2 | 16.8 |

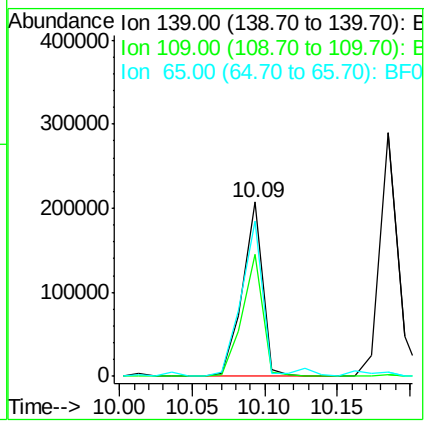





#55
4-Nitrophenol
Concen: 72.49 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:139 Resp: 201386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.2 | 41.9 | 81.9 |
| 65 | 89.2 | 48.3 | 88.3# |

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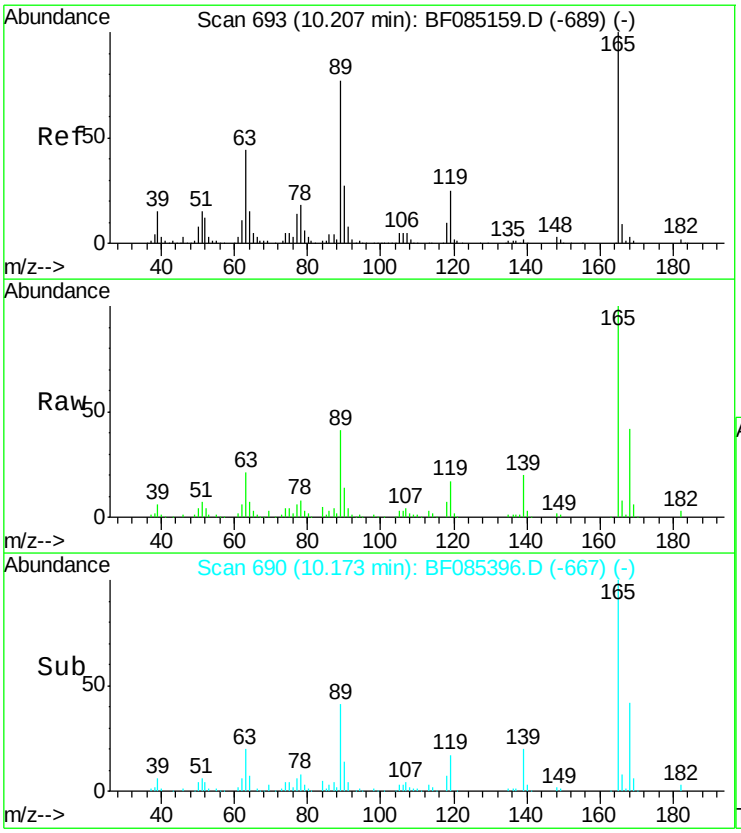
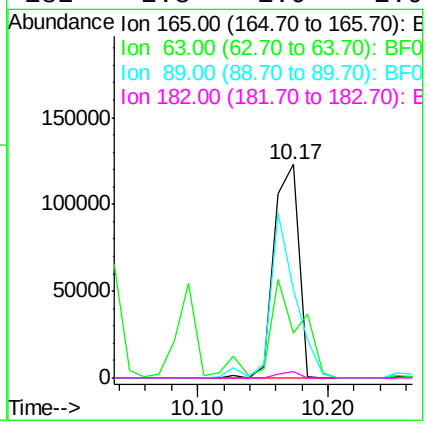
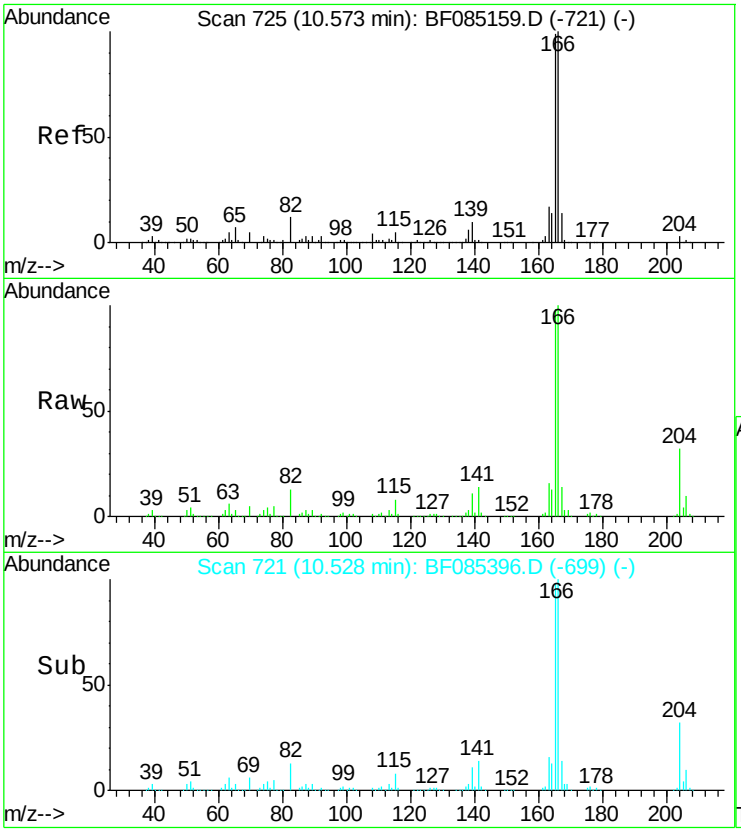



#56
2,4-Dinitrotoluene
Concen: 43.28 ng
RT: 10.17 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:165 Resp: 163645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 20.8 | 35.4 | 53.0# |
| 89 | 41.4 | 61.9 | 92.9# |
| 182 | 2.8 | 1.9 | 2.9 |

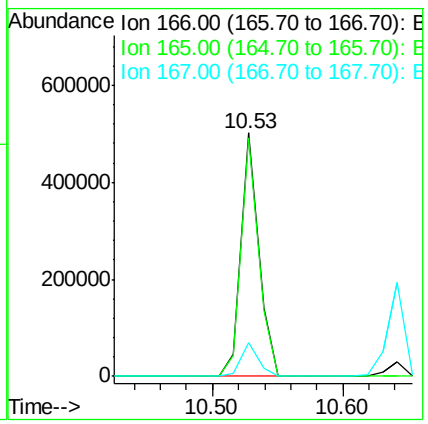





#57
Fluorene
Concen: 41.40 ng
RT: 10.53 min Scan# 721
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:166 Resp: 471763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.9 | 79.4 | 119.0 |
| 167 | 13.7 | 11.0 | 16.6 |




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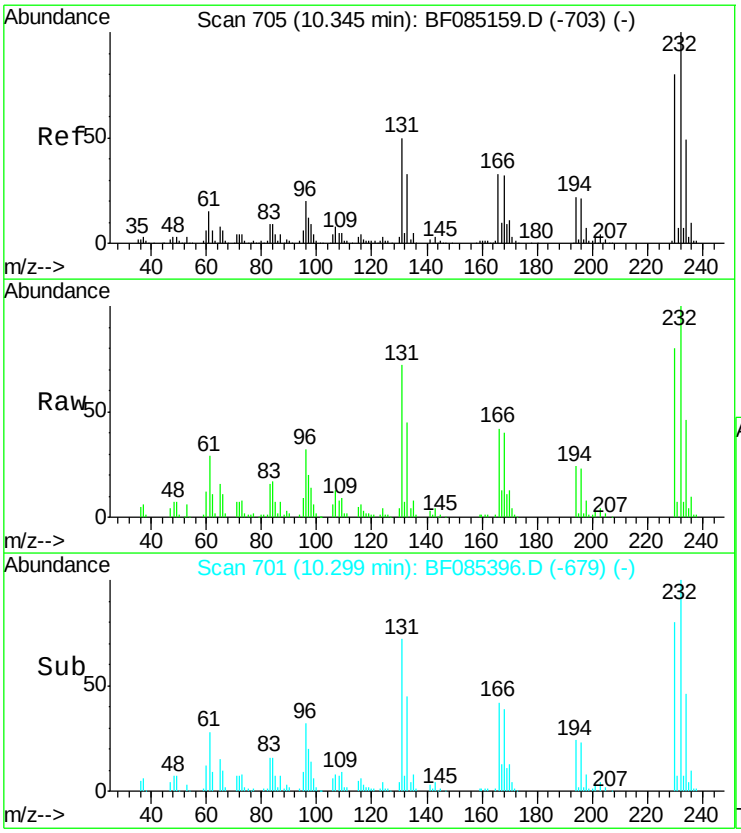
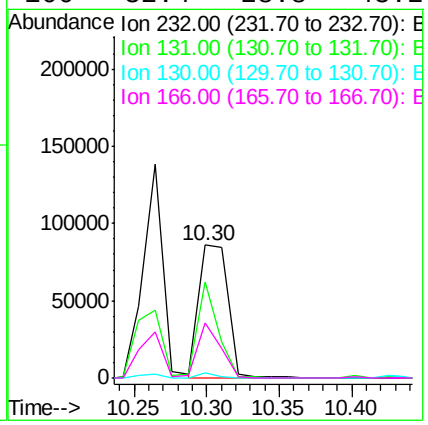
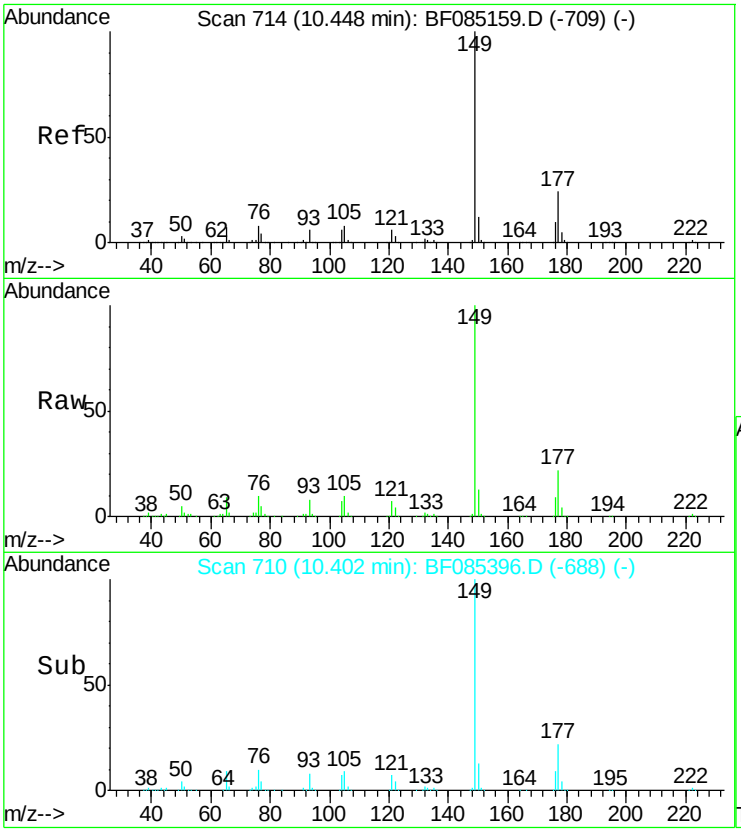



#58
2,3,4,6-Tetrachlorophenol
Concen: 47.01 ng
RT: 10.30 min Scan# 701
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:232 Resp: 119946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 51.0 | 46.0 | 69.0 |
| 130 | 2.4 | 2.2 | 3.4 |
| 166 | 32.4 | 28.8 | 43.2 |

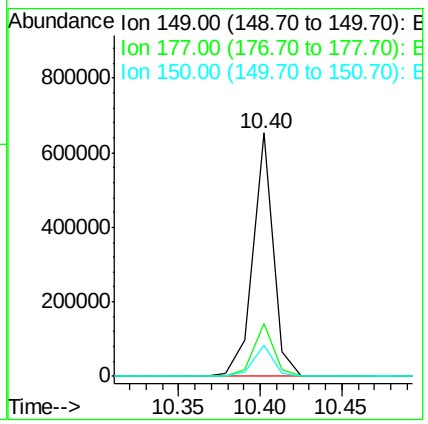





#59
Diethylphthalate
Concen: 42.20 ng
RT: 10.40 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:149 Resp: 565548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.8 | 19.2 | 28.8 |
| 150 | 12.9 | 9.9 | 14.9 |




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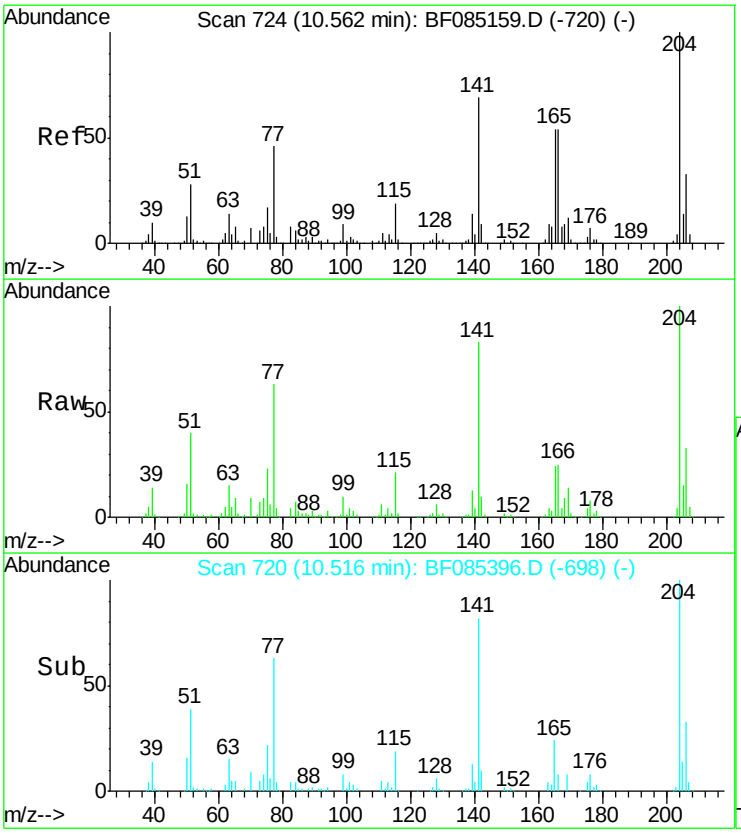
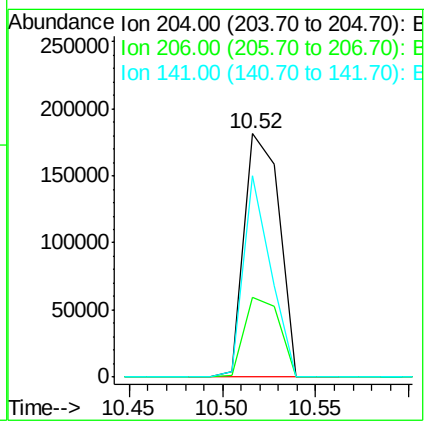
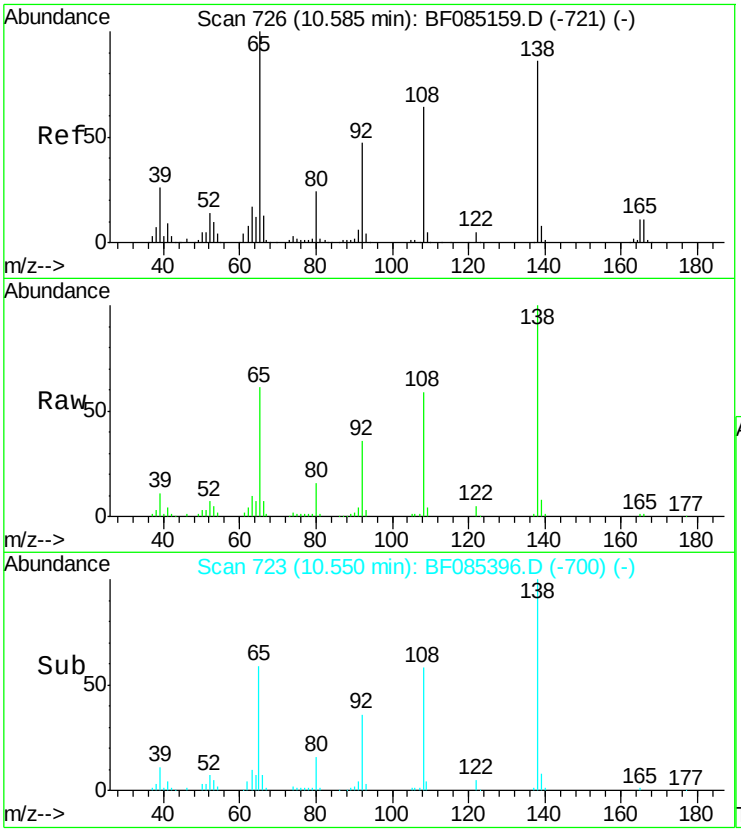



#60
4-Chlorophenyl-phenylether
Concen: 42.57 ng
RT: 10.52 min Scan# 720
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:204 Resp: 236054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.5 | 39.7 |
| 141 | 83.0 | 55.4 | 83.2 |

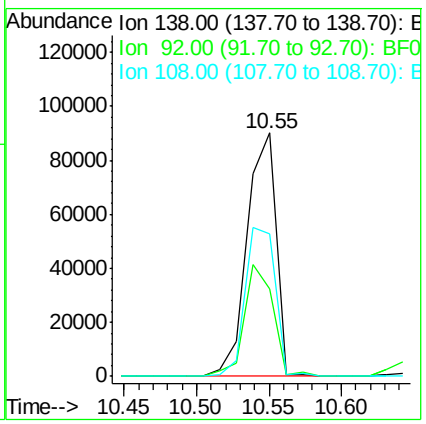





#61
4-Nitroaniline
Concen: 37.74 ng
RT: 10.55 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:138 Resp: 124778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 35.8 | 34.2 | 74.2 |
| 108 | 58.6 | 53.9 | 93.9 |




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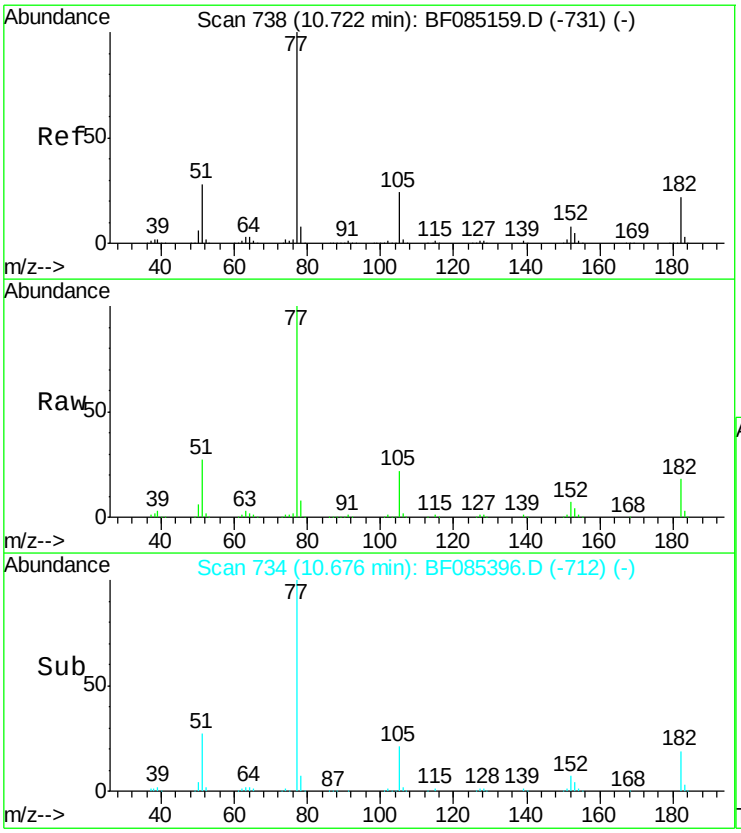
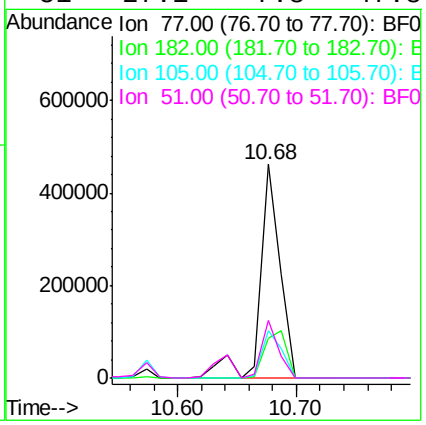
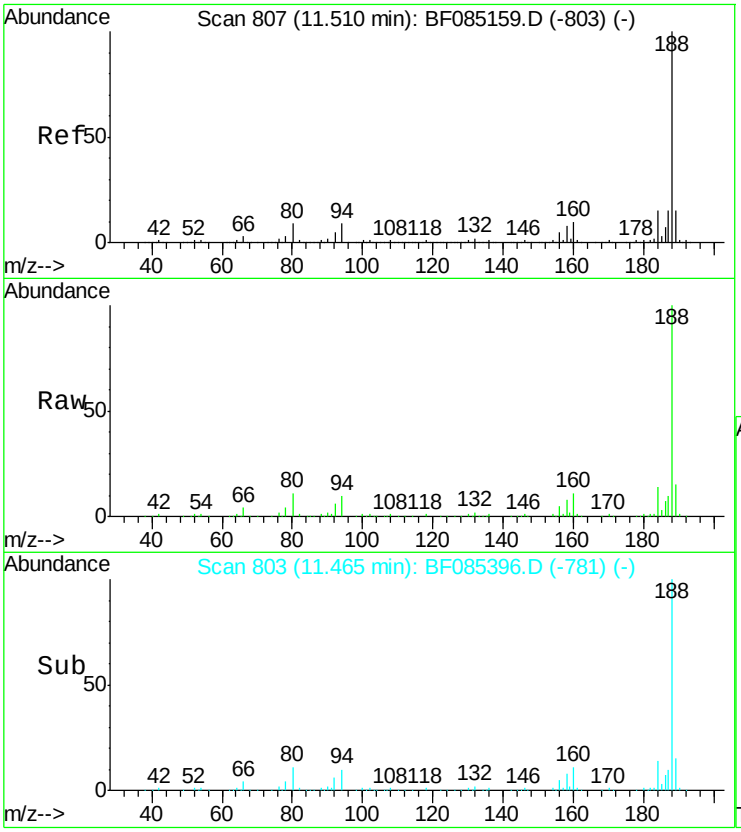



#62
Azobenzene
Concen: 40.93 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion: 77 Resp: 540466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 18.5 | 2.1 | 42.1 |
| 105 | 21.9 | 3.8 | 43.8 |
| 51 | 27.1 | 7.8 | 47.8 |

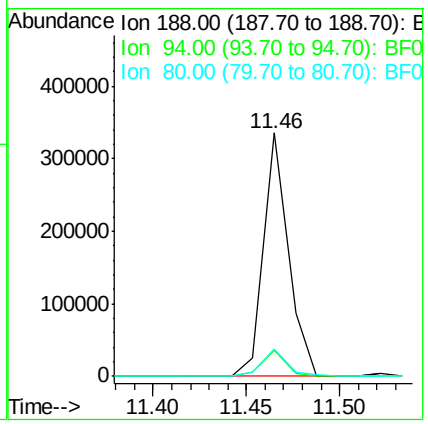





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:188 Resp: 307645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 7.0 | 10.6 |
| 80 | 11.3 | 7.4 | 11.0# |




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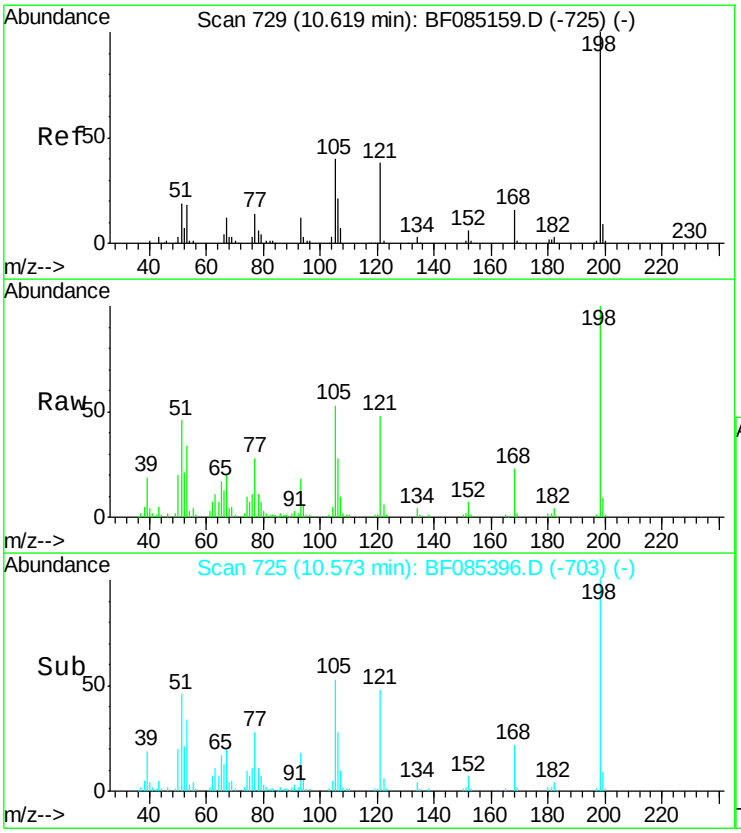
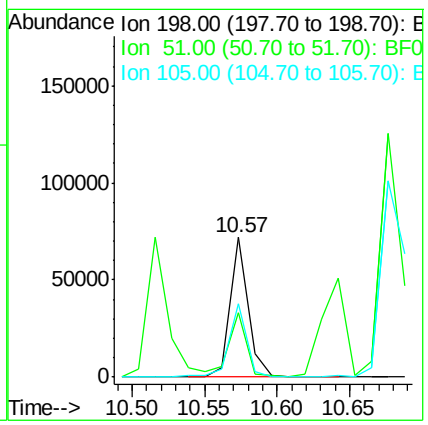
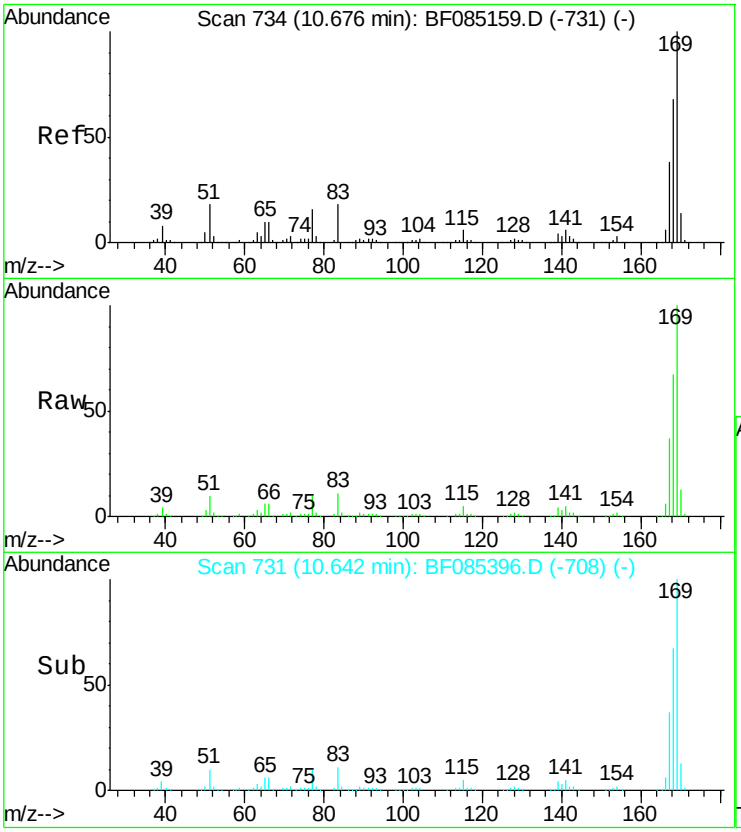



#64
4,6-Dinitro-2-methylphenol
Concen: 33.54 ng
RT: 10.57 min Scan# 725
Delta R.T. -0.04 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:198 Resp: 61784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.1 | 9.5 | 49.5 |
| 105 | 52.5 | 20.5 | 60.5 |

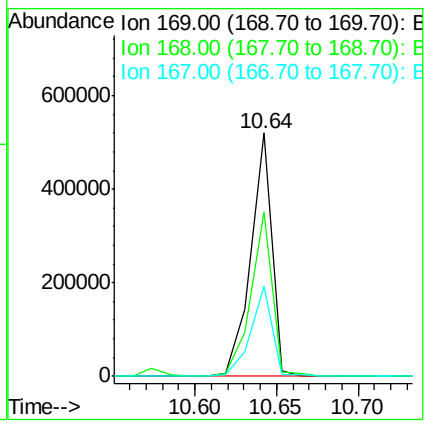





#65
n-Nitrosodiphenylamine
Concen: 48.87 ng
RT: 10.64 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:169 Resp: 467660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.3 | 54.8 | 82.2 |
| 167 | 37.2 | 30.3 | 45.5 |




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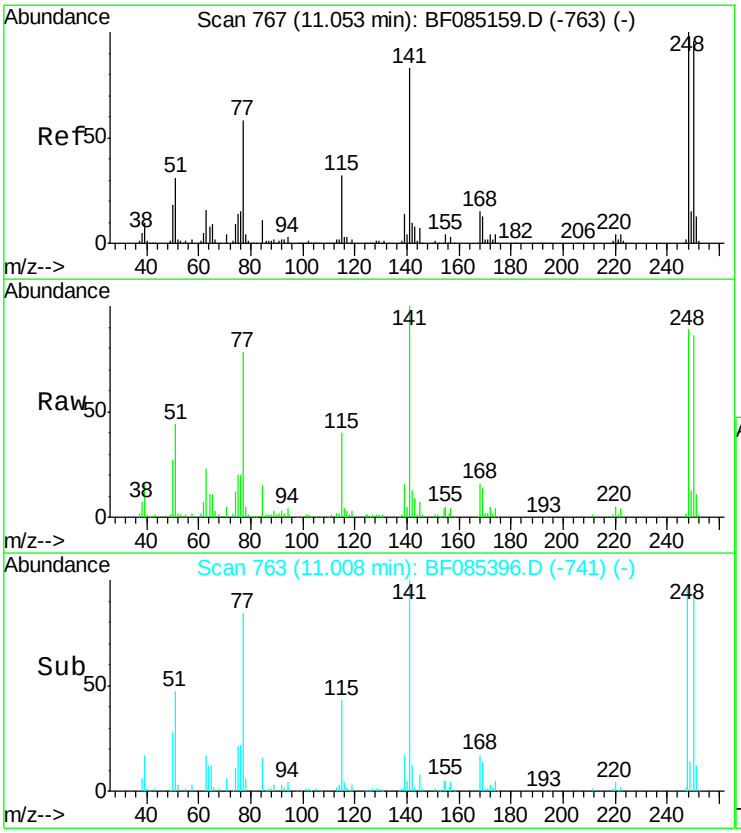
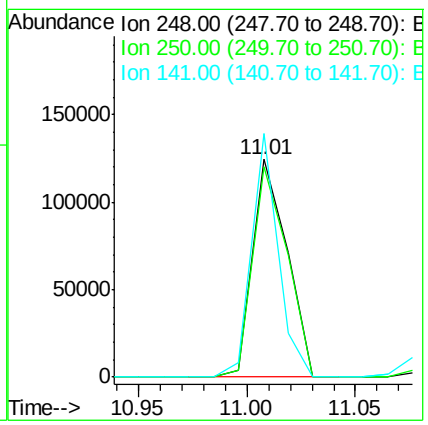
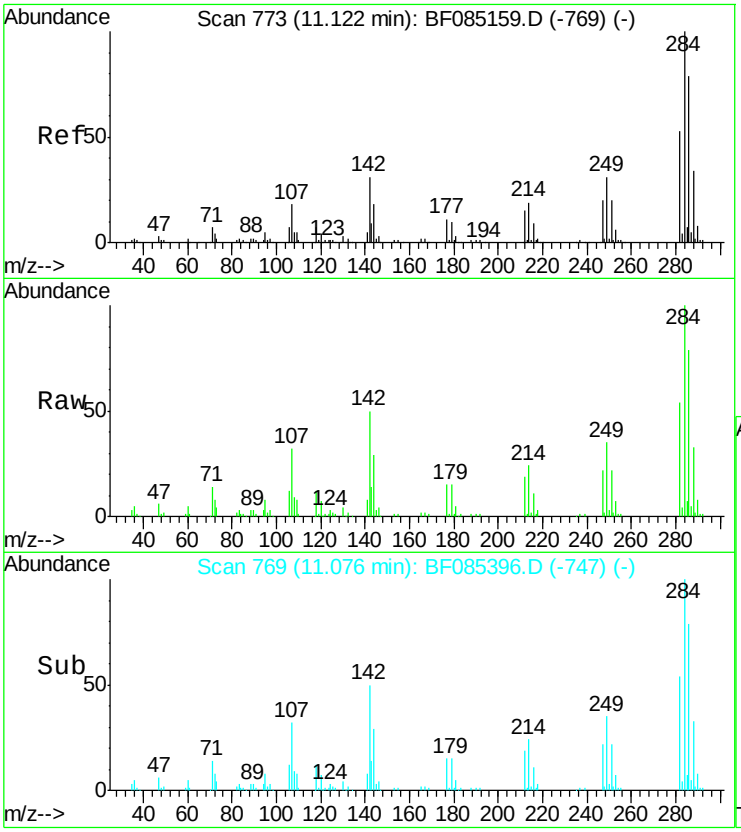



#66
4-Bromophenyl-phenylether
Concen: 45.87 ng
RT: 11.01 min Scan# 763
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:248 Resp: 137011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.5 | 77.1 | 115.7 |
| 141 | 111.9 | 66.2 | 99.2# |

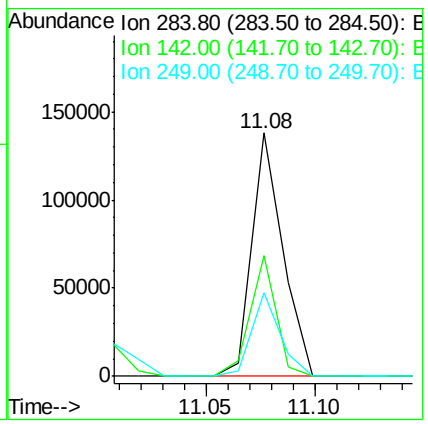





#67
Hexachlorobenzene
Concen: 42.70 ng
RT: 11.08 min Scan# 769
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:284 Resp: 136070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 49.8 | 24.9 | 37.3# |
| 249 | 34.6 | 25.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

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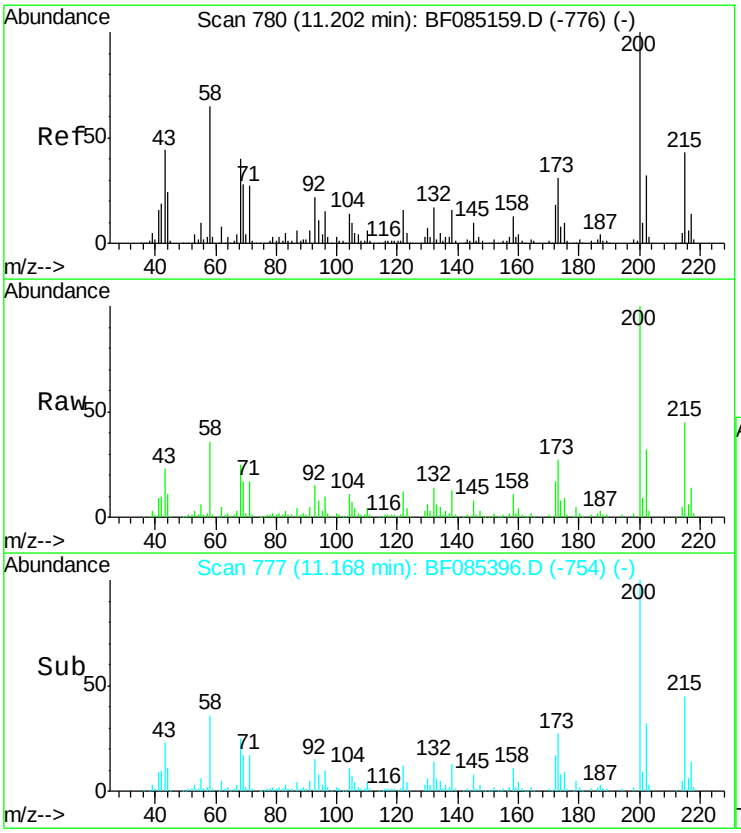
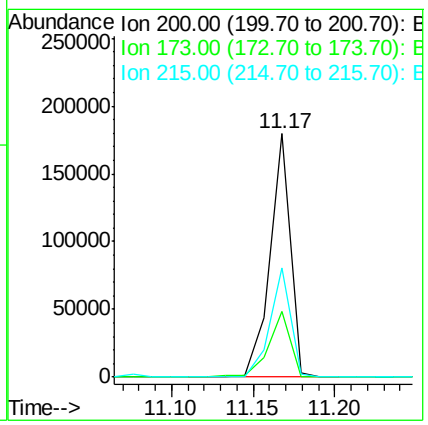
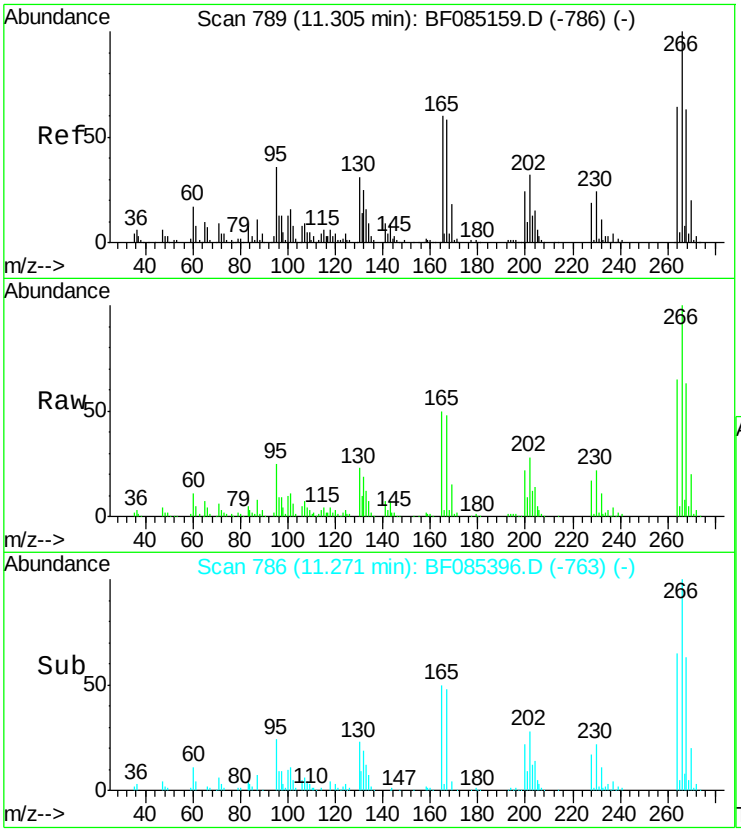



#68
Atrazine
Concen: 58.94 ng
RT: 11.17 min Scan# 777
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:200 Resp: 156859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 10.5 | 50.5 |
| 215 | 44.8 | 23.4 | 63.4 |

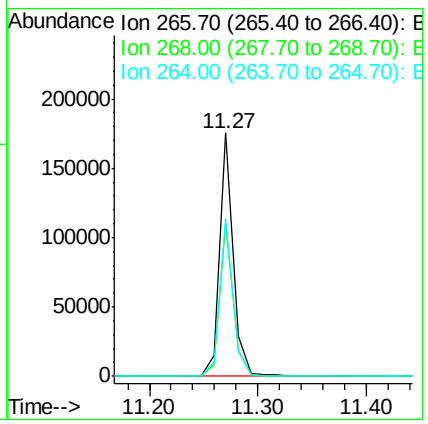





#69
Pentachlorophenol
Concen: 87.19 ng
RT: 11.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:266 Resp: 154236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.9 | 50.0 | 75.0 |
| 264 | 64.7 | 51.4 | 77.2 |




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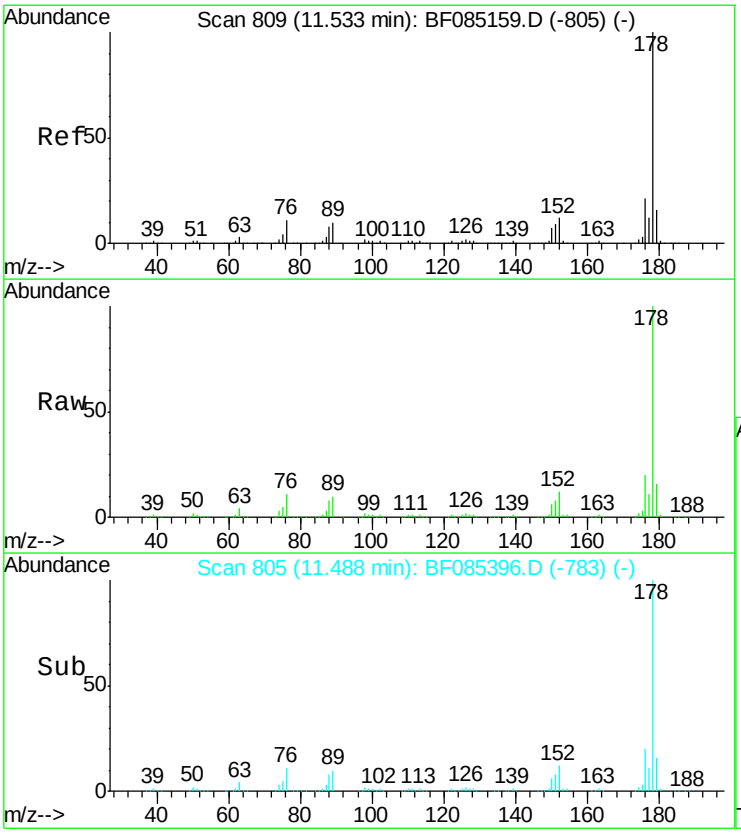
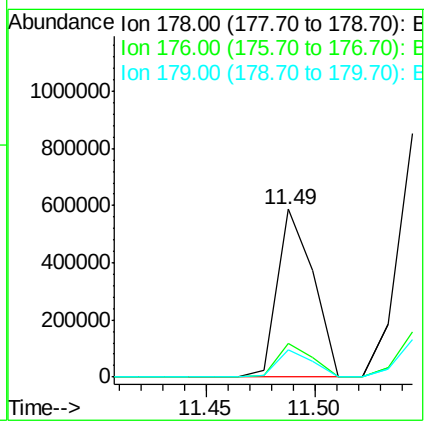
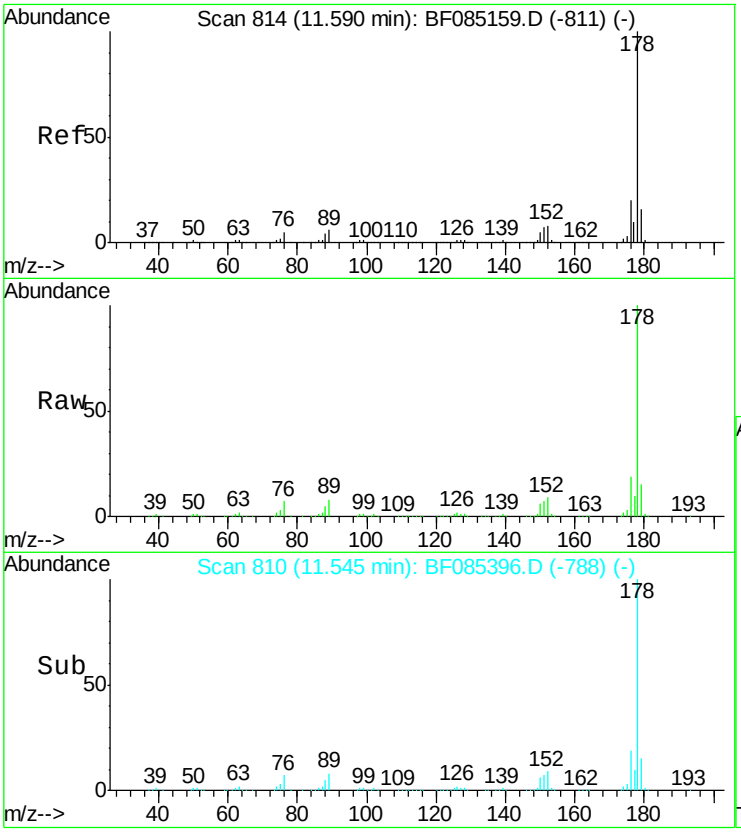



#70
Phenanthrene
Concen: 41.86 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:178 Resp: 674925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 16.8 | 25.2 |
| 179 | 15.9 | 13.1 | 19.7 |

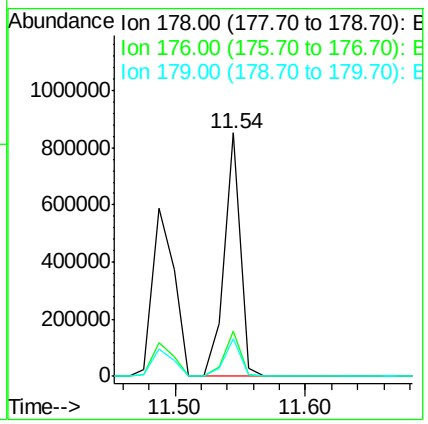





#71
Anthracene
Concen: 42.90 ng
RT: 11.54 min Scan# 810
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:178 Resp: 734232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.9 | 23.9 |
| 179 | 15.4 | 12.5 | 18.7 |




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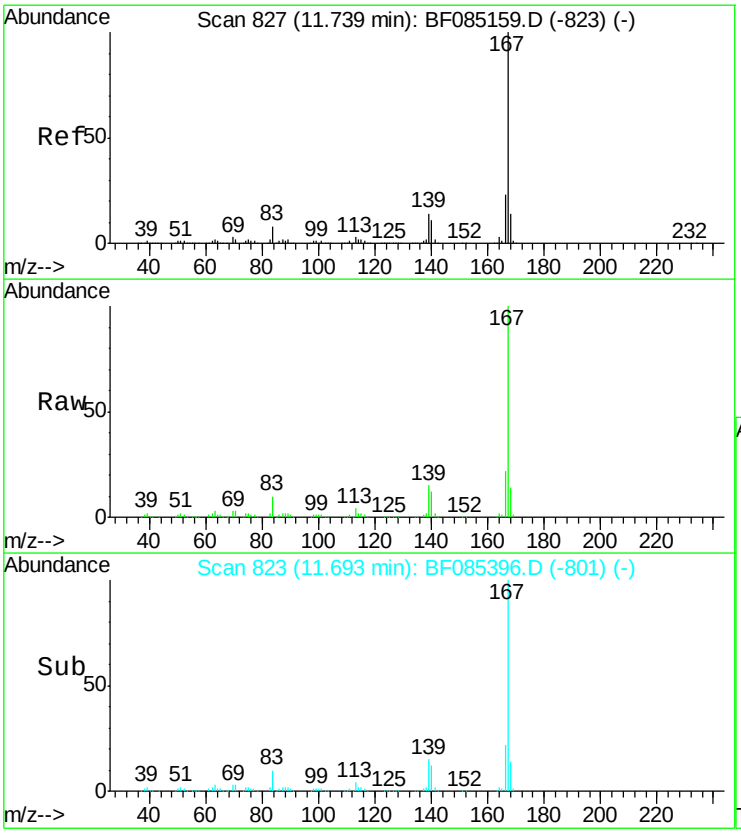
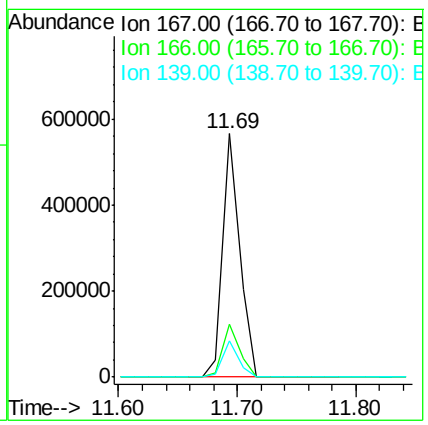
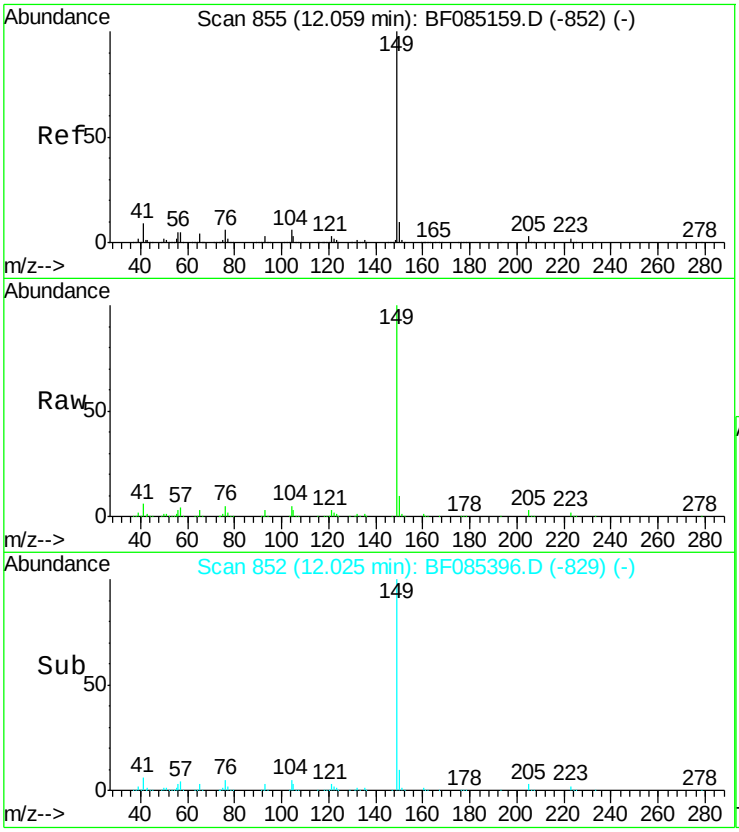



#72
Carbazole
Concen: 37.17 ng
RT: 11.69 min Scan# 823
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:167 Resp: 557806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 18.2 | 27.2 |
| 139 | 15.0 | 11.4 | 17.0 |

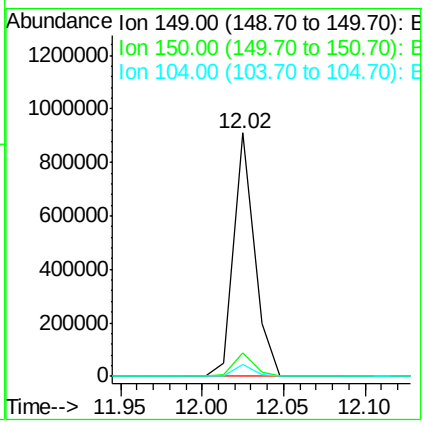





#73
Di-n-butylphthalate
Concen: 41.90 ng
RT: 12.02 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:149 Resp: 794936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.8 | 11.6 |
| 104 | 5.1 | 4.7 | 7.1 |




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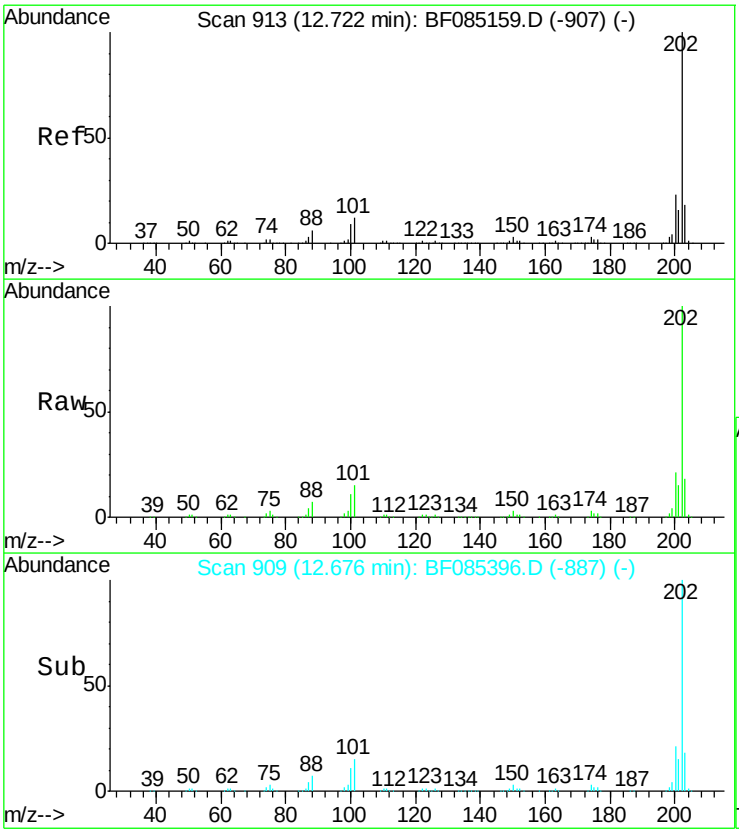
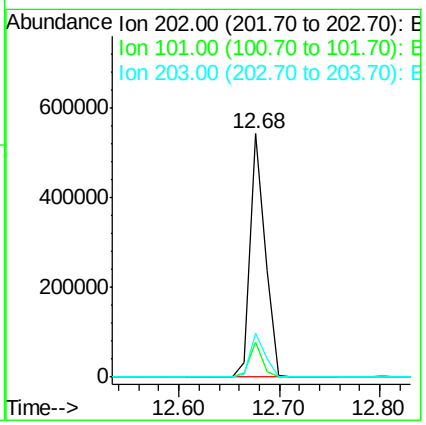
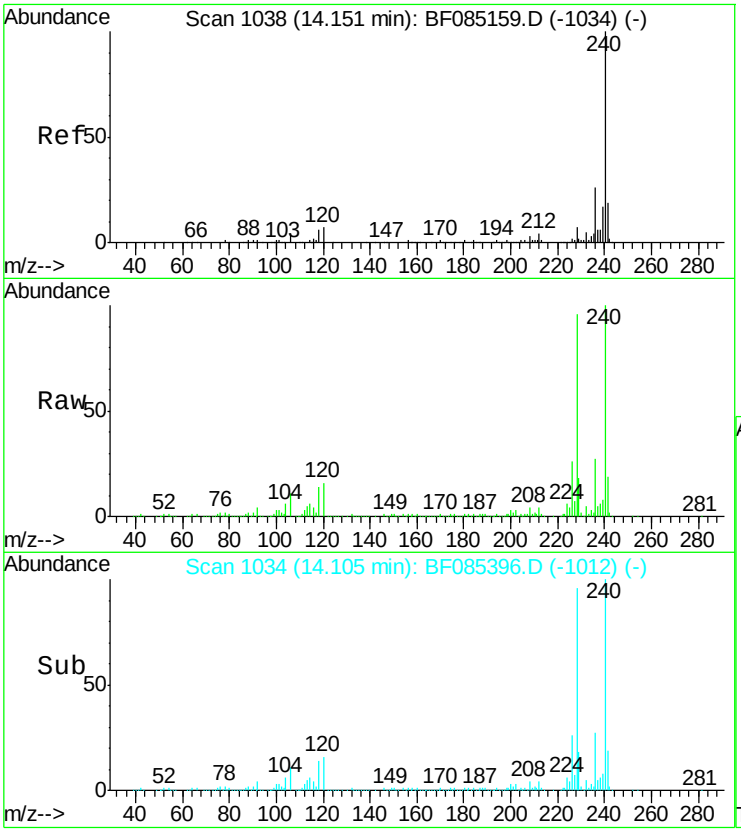



#74
Fluoranthene
Concen: 34.75 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:202 Resp: 562189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.6 | 0.0 | 31.8 |
| 203 | 18.0 | 0.0 | 38.4 |






#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:240 Resp: 249109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.0 | 5.3 | 7.9# |
| 236 | 26.5 | 20.7 | 31.1 |

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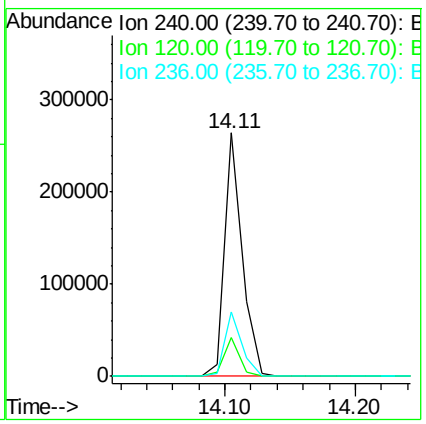
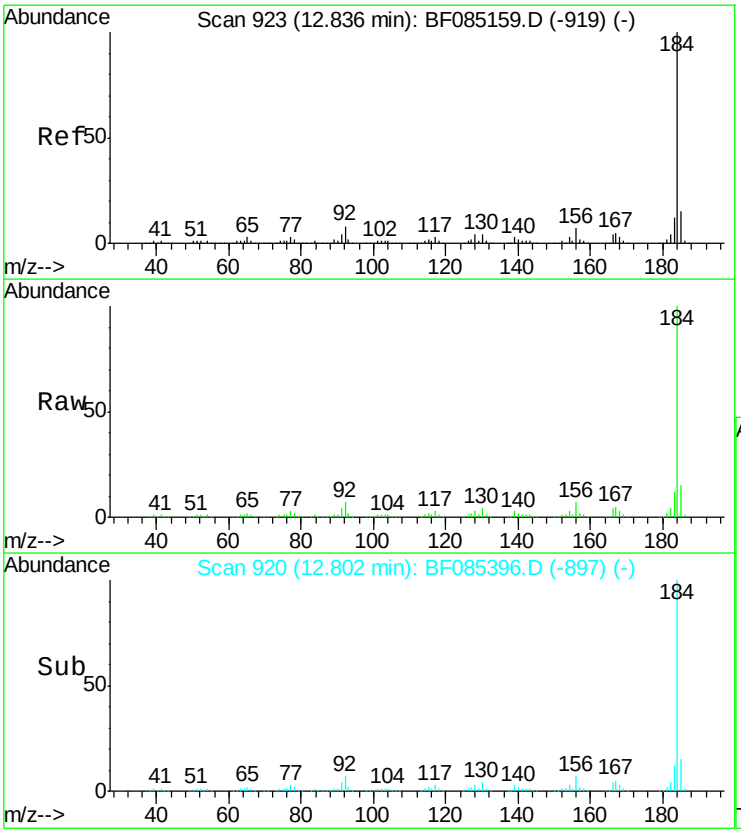
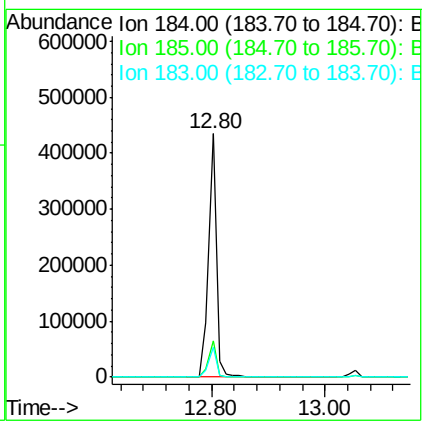


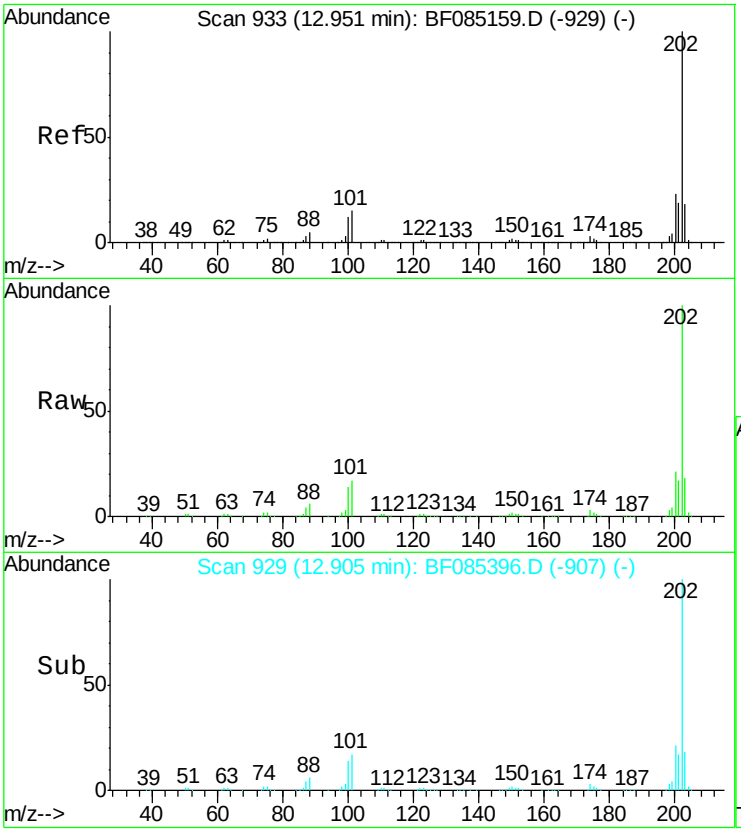




#76
Benzidine
Concen: 53.51 ng
RT: 12.80 min Scan# 920
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:184 Resp: 396751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 12.4 | 18.6 |
| 183 | 12.0 | 9.4 | 14.2 |

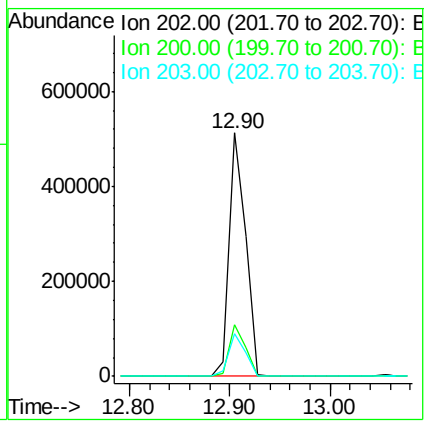





#77
Pyrene
Concen: 30.89 ng
RT: 12.90 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:202 Resp: 579121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 18.2 | 27.4 |
| 203 | 17.6 | 14.7 | 22.1 |




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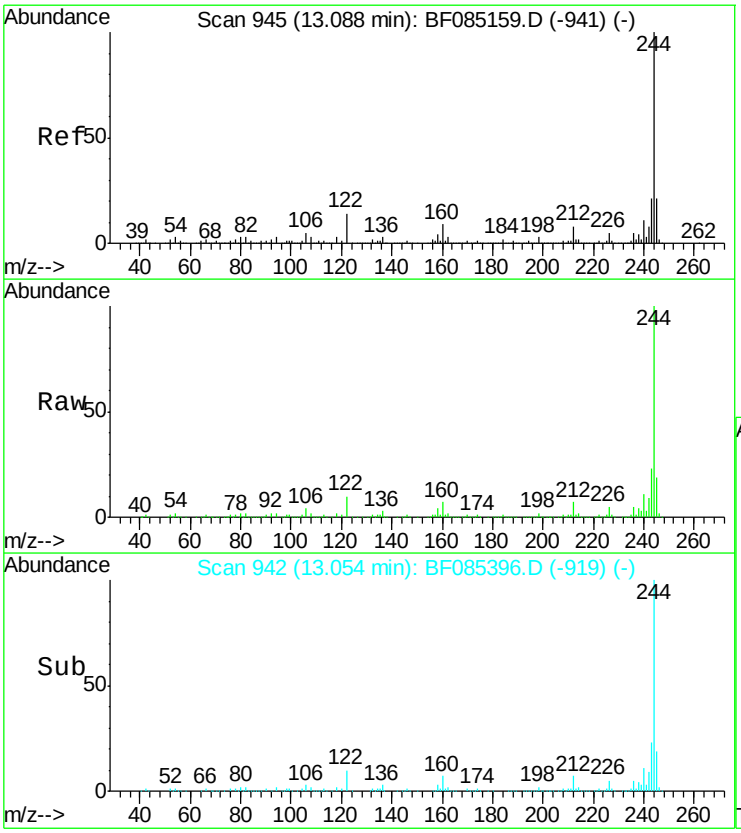
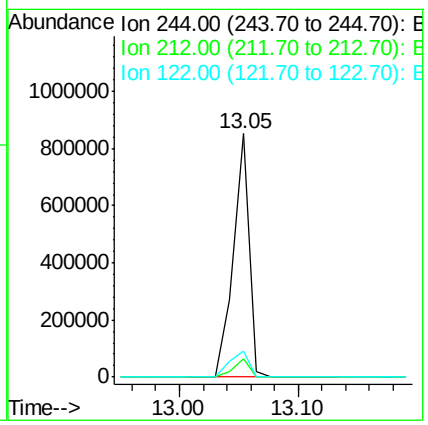
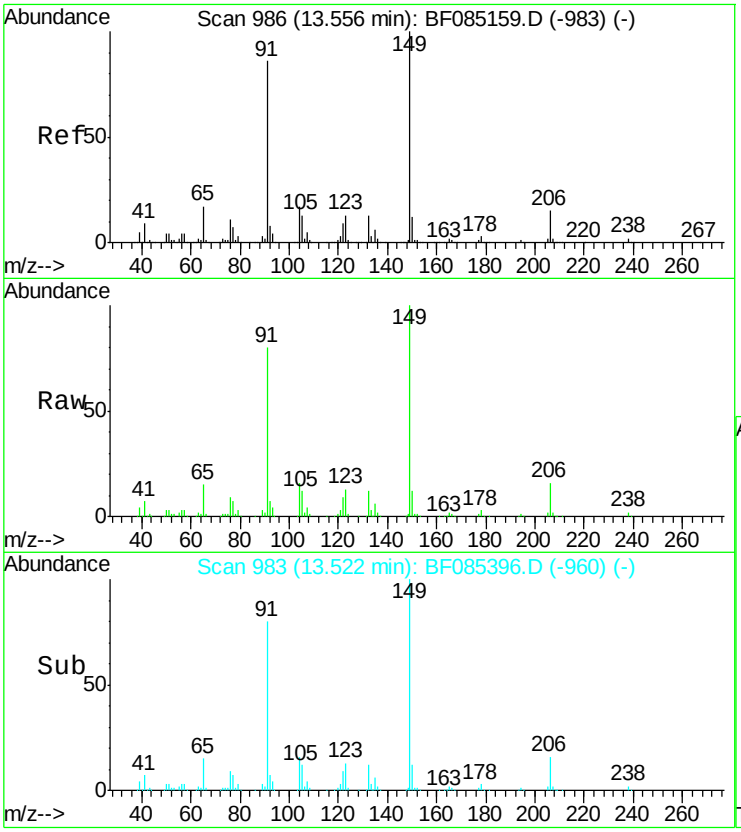



#78
Terphenyl-d14
Concen: 73.39 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:244 Resp: 787582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.4 | 9.6 |
| 122 | 10.4 | 11.4 | 17.2# |

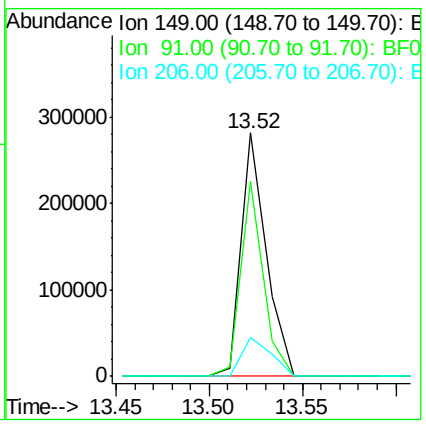





#79
Butylbenzylphthalate
Concen: 30.86 ng
RT: 13.52 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:149 Resp: 262499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 80.3 | 69.0 | 103.4 |
| 206 | 15.7 | 12.3 | 18.5 |




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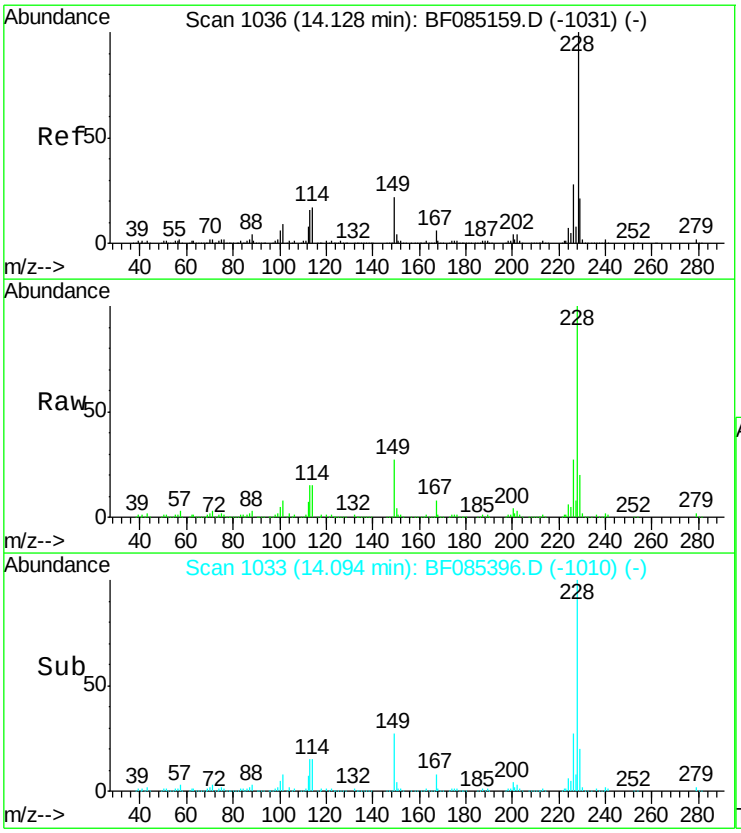
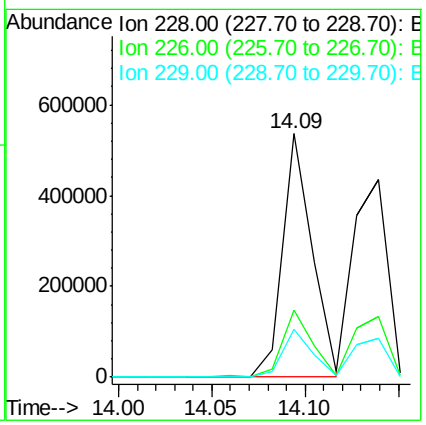
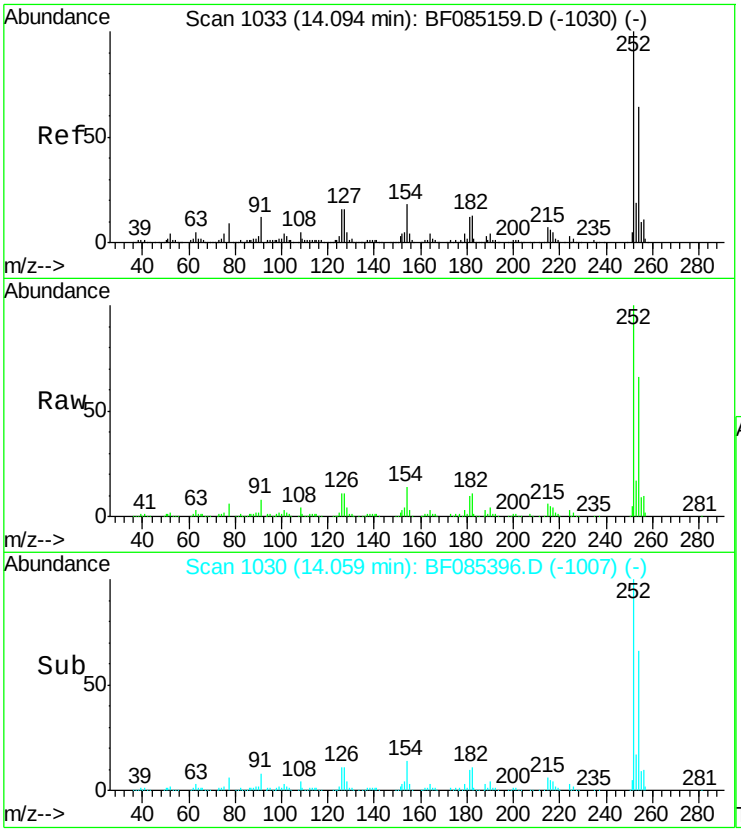



#80
Benzo(a)anthracene
Concen: 39.64 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:228 Resp: 591136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 22.8 | 34.2 |
| 229 | 19.8 | 16.6 | 24.8 |

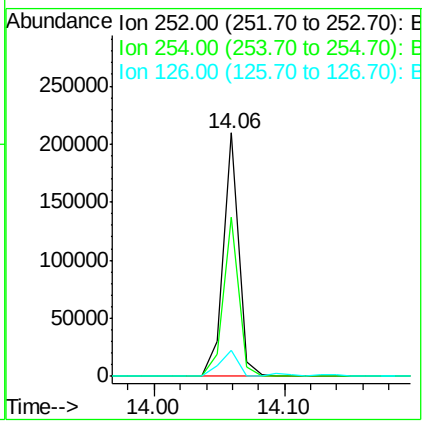





#81
3,3'-Dichlorobenzidine
Concen: 37.24 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:252 Resp: 175181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.6 | 51.4 | 77.0 |
| 126 | 10.9 | 12.9 | 19.3# |




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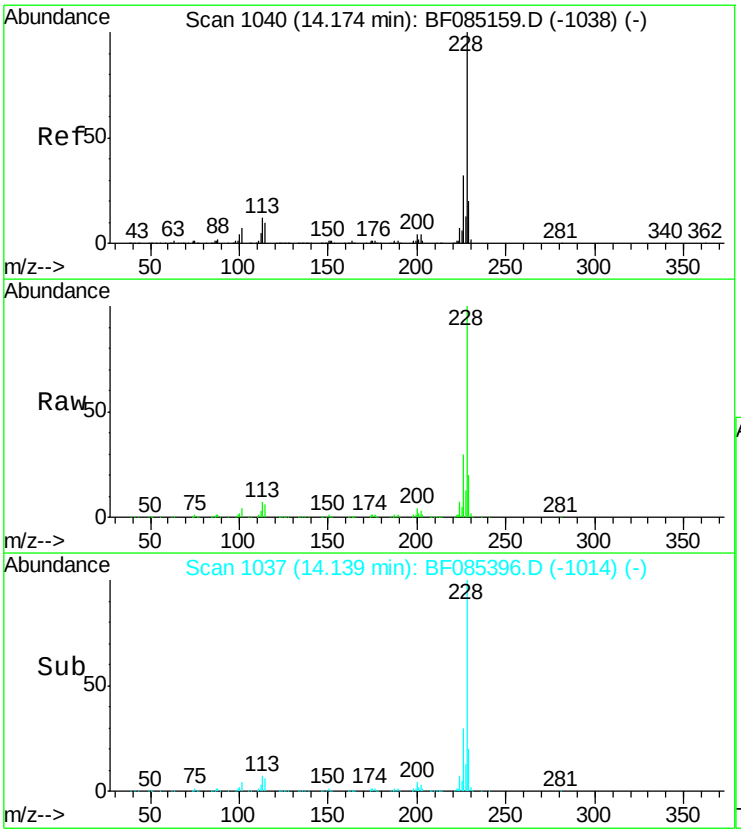
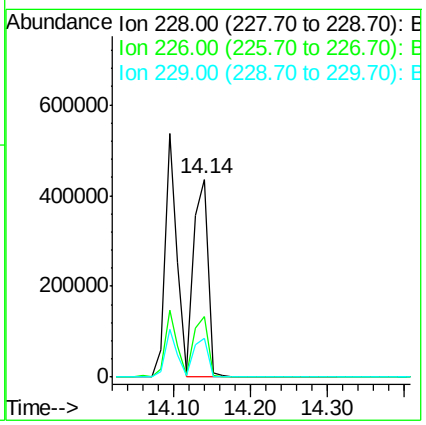
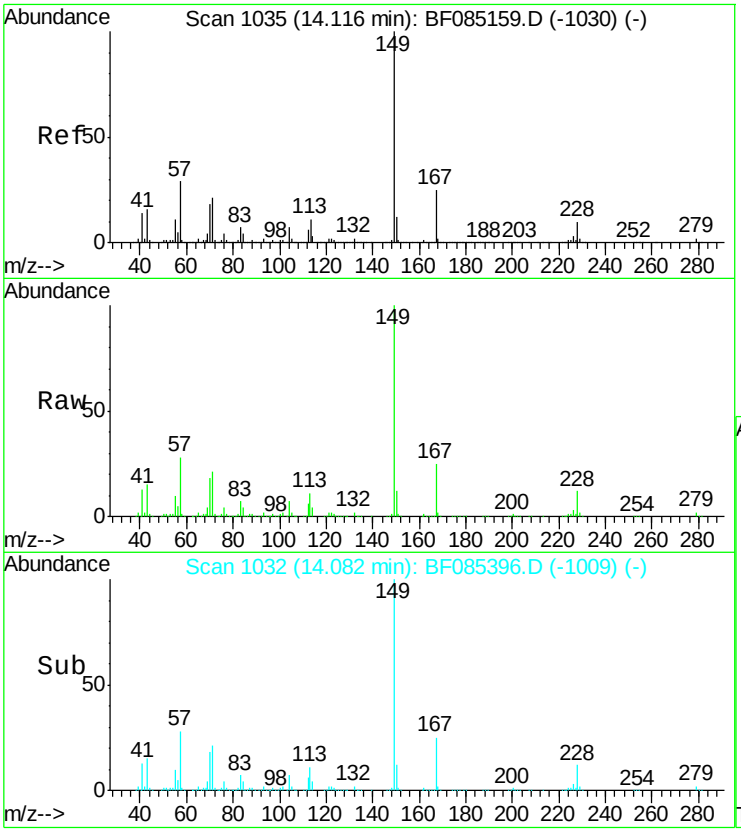



#82
Chrysene
Concen: 40.57 ng
RT: 14.14 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:228 Resp: 558939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 25.2 | 37.8 |
| 229 | 19.5 | 16.0 | 24.0 |

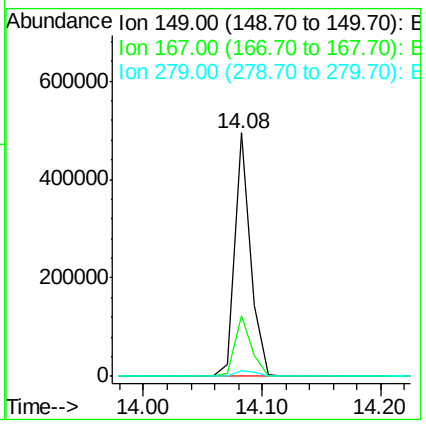





#83
Bis(2-ethylhexyl)phthalate
Concen: 41.00 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:149 Resp: 459065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.0 | 20.3 | 30.5 |
| 279 | 2.3 | 1.9 | 2.9 |




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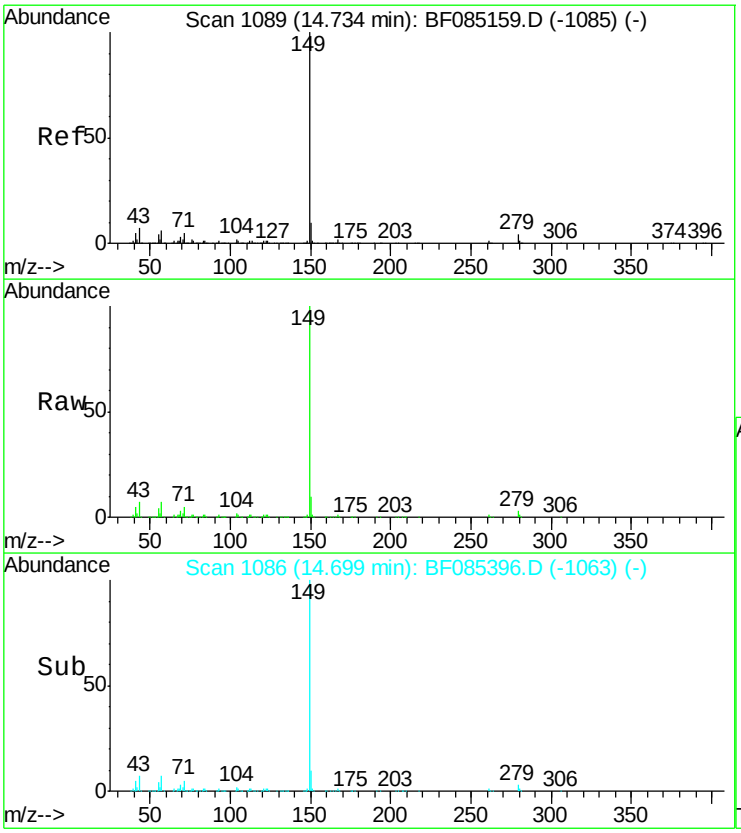
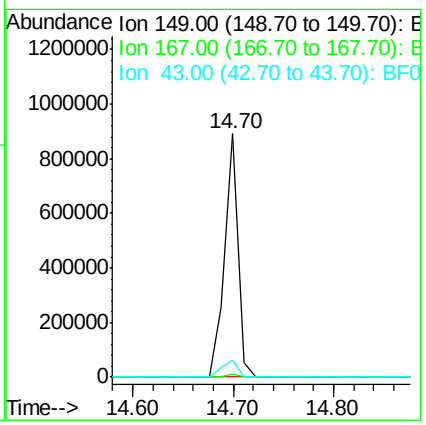
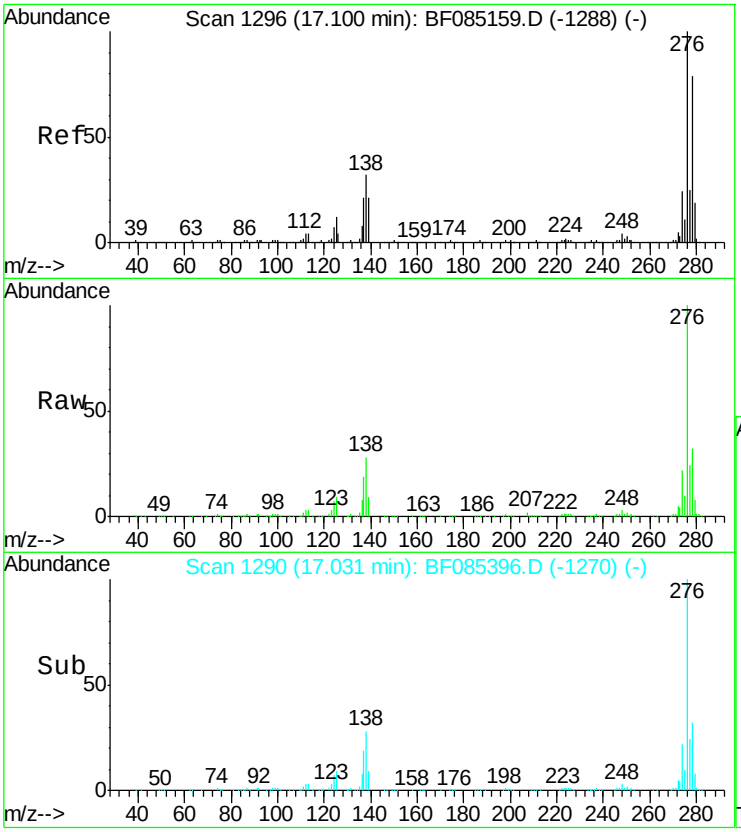



#84
Di-n-octyl phthalate
Concen: 48.61 ng
RT: 14.70 min Scan# 1086
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:149 Resp: 828887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.1 | 1.7 |
| 43 | 8.4 | 7.8 | 11.8 |

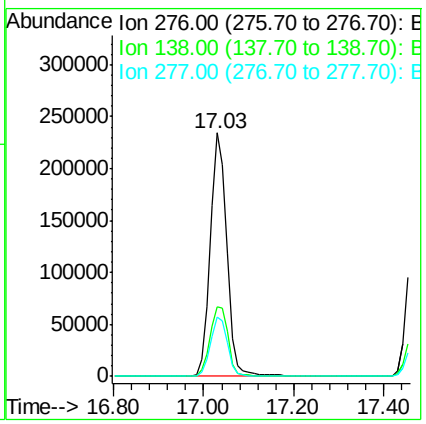





#85
Indeno(1,2,3-cd)pyrene
Concen: 56.03 ng
RT: 17.03 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:276 Resp: 602421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.2 | 26.4 | 39.6 |
| 277 | 25.1 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

**Manual Integrations APPROVED**
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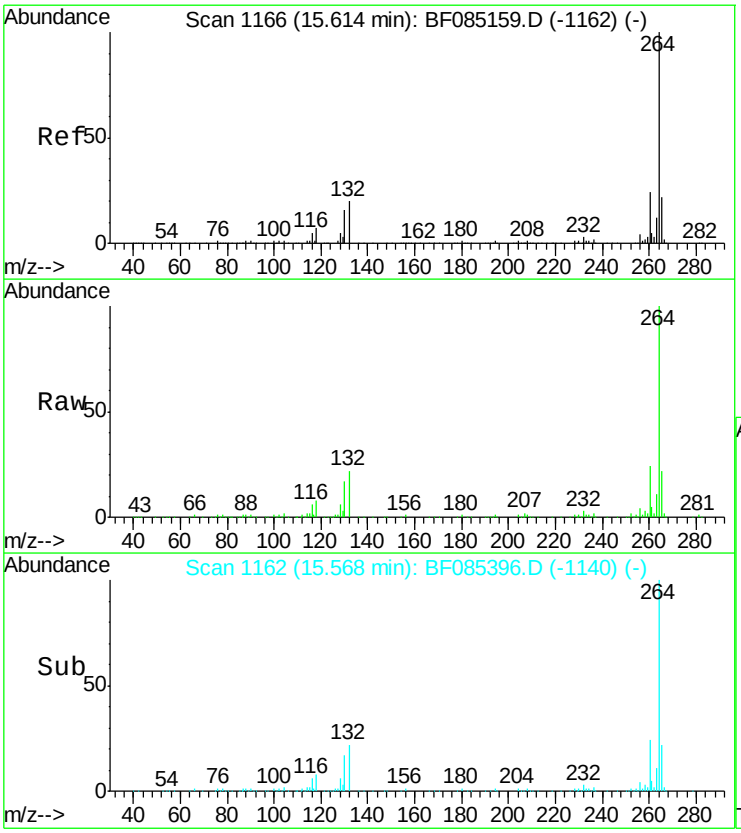
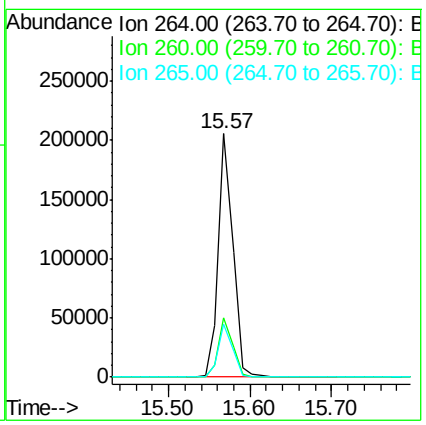
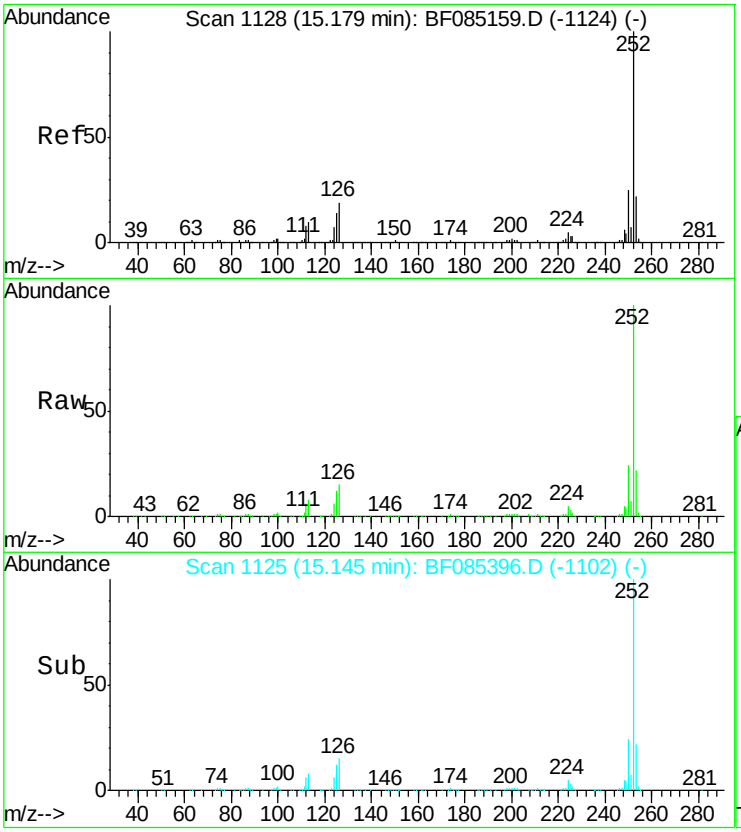



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:264 Resp: 254136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 21.5 | 17.3 | 25.9 |

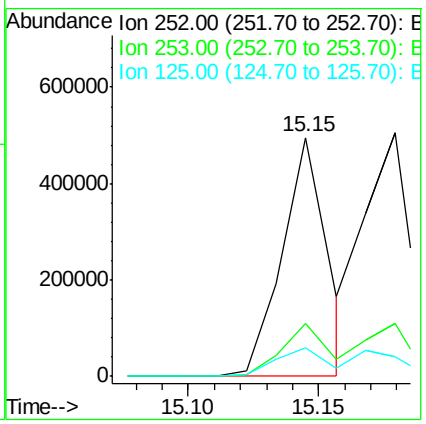





#87
Benzo(b)fluoranthene
Concen: 35.01 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:252 Resp: 593065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.6 |
| 125 | 11.7 | 11.3 | 16.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

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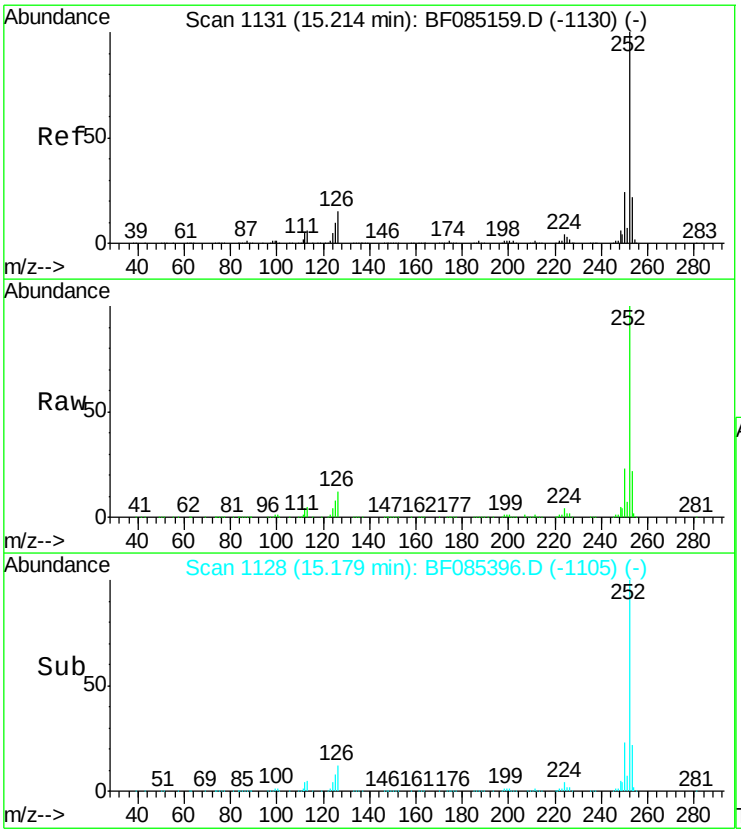
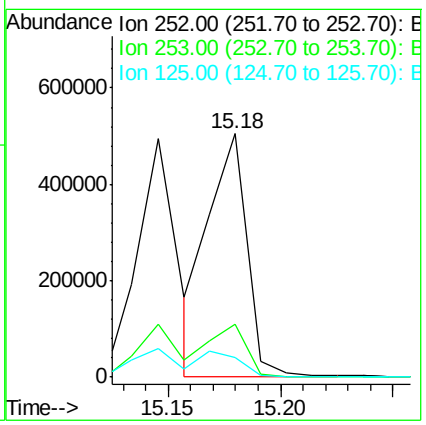
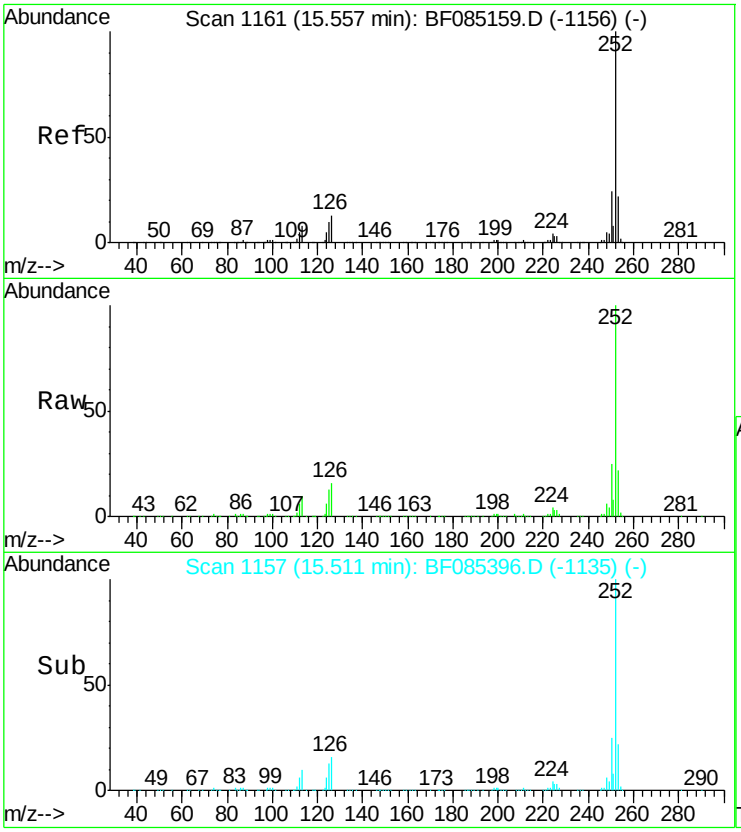



#88
Benzo(k)fluoranthene
Concen: 44.64 ng m
RT: 15.18 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:252 Resp: 609953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 7.9 | 10.4 | 15.6# |

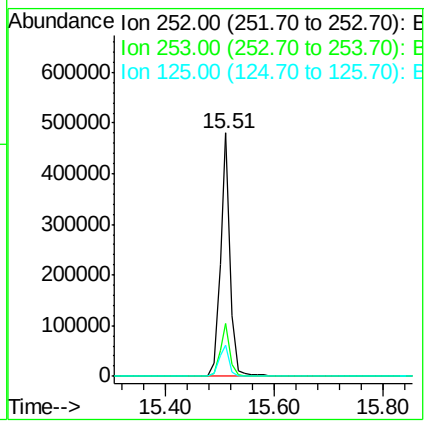





#89
Benzo(a)pyrene
Concen: 43.04 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:252 Resp: 604220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 12.8 | 8.2 | 12.4# |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

**Manual Integrations APPROVED**
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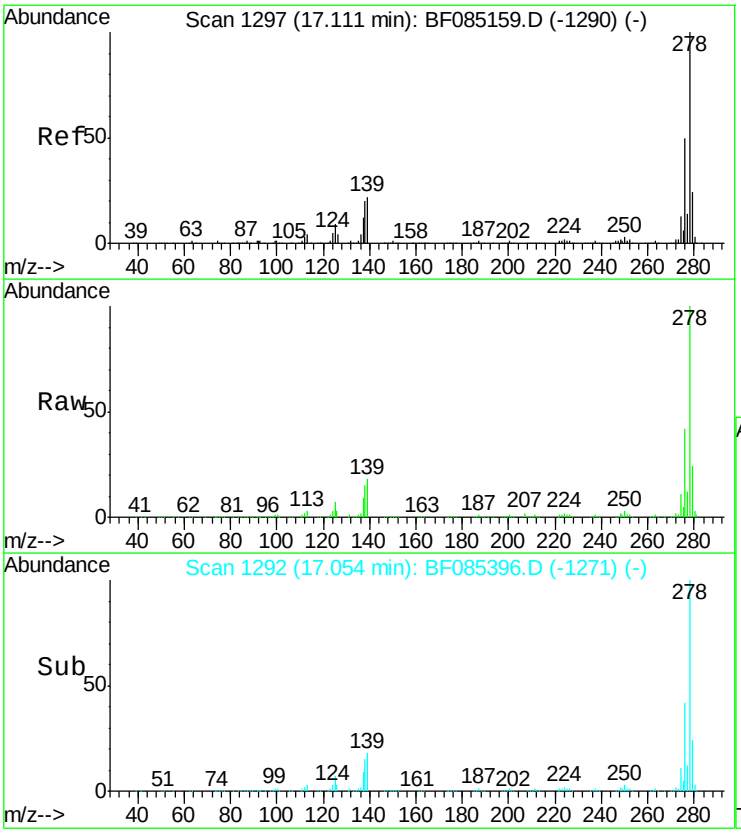
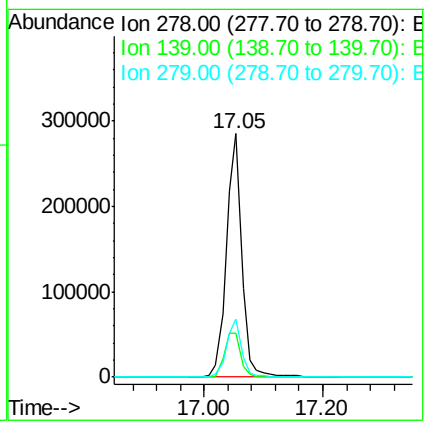
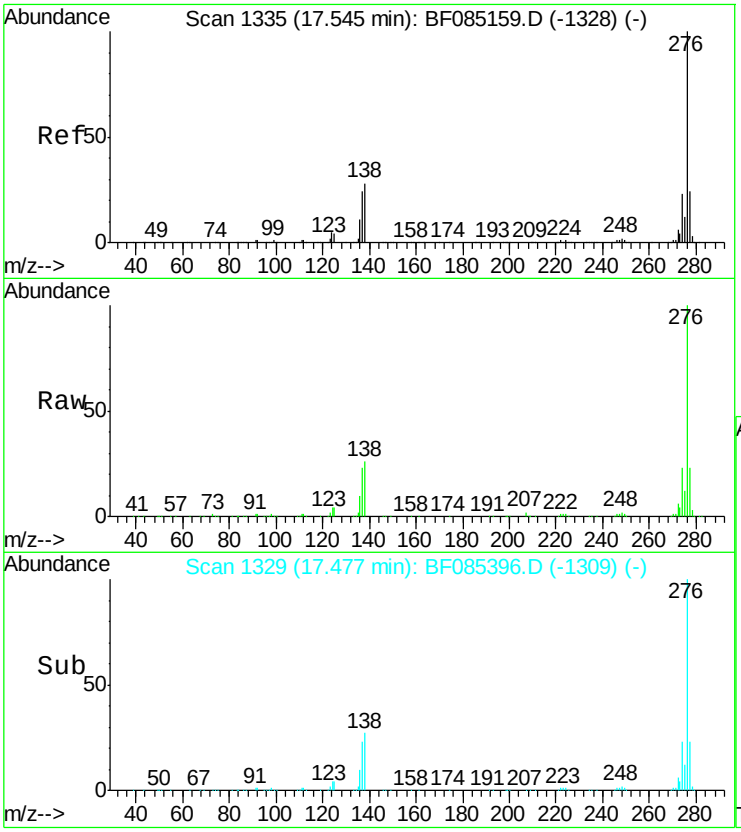



#90
Dibenzo(a,h)anthracene
Concen: 42.97 ng
RT: 17.05 min Scan# 1292
Delta R.T. -0.06 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:278 Resp: 514905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.8 | 17.3 | 25.9 |
| 279 | 24.0 | 19.2 | 28.8 |

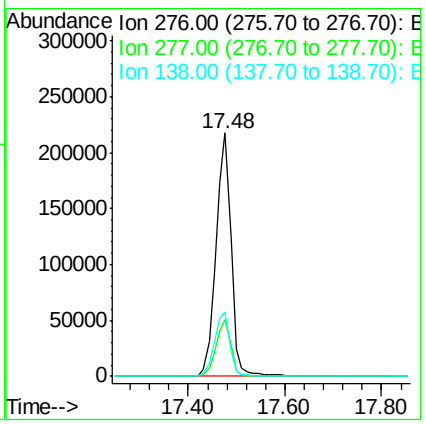





#91
Benzo(g,h,i)perylene
Concen: 39.75 ng
RT: 17.48 min Scan# 1329
Delta R.T. -0.07 min
Lab File: BF085396.D
Acq: 12 Mar 2016 3:52

Tgt Ion:276 Resp: 478933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 19.0 | 28.4 |
| 138 | 26.5 | 22.5 | 33.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB88821BS

**Manual Integrations APPROVED**
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3/14/2016 10:45:50 AM