Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
Data File : BF080930.D
Acq On : 7 Aug 2015 16:52
Operator : TP/UM
Sample : G3083-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
MMDadoda
8/10/2015 7:19:09 PM

Quant Time: Aug 08 05:37:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 80983 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 305144 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 162831 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 325796 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.95 | 240 | 263035 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.36 | 264 | 227880 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 66778 | 13.47 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 101551 | 14.95 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 67899 | 10.53 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 25499 | 14.25 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 121030 | 10.46 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 136200 | 10.70 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 8) 2-Chlorophenol | 6.58 | 128 | 95213 | 16.60 | ng | | 82 |
| 10) Phenol | 6.44 | 94 | 136669 | 16.96 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.54 | 93 | 67638 | 11.24 | ng | | 86 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 28725 | 5.02 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 120069 | 9.92 | ng | | 98 |
| 17) 2-Methylphenol | 7.06 | 107 | 65519 | 13.38 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 80601 | 16.24 | ng | | 98 |
| 25) Isophorone | 7.63 | 82 | 308754 | 24.89 | ng | | 96 |
| 26) 2-Nitrophenol | 7.71 | 139 | 24168 | 8.65 | ng | # | 83 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 64894 | 8.71 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 84048 | 17.88 | ng | # | 92 |
| 31) Naphthalene | 8.11 | 128 | 167788 | 9.98 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 36882 | 13.19 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 59069 | 11.26 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 158983 | 14.85 | ng | | 98 |
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 43771 | 11.90 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.12 | 196 | 81660 | 22.03 | ng | # | 92 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 162036 | 14.87 | ng | # | 92 |
| 48) Acenaphthylene | 9.70 | 152 | 102541 | 5.41 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 73289 | 26.23 | ng | # | 71 |
| 54) Dibenzofuran | 10.05 | 168 | 444188 | 28.32 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 75232 | 20.12 | ng | # | 69 |
| 57) Fluorene | 10.38 | 166 | 134680 | 11.10 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.38 | 204 | 95201 | 16.10 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 111881 | 32.42 | ng | | 93 |
| 67) Hexachlorobenzene | 10.93 | 284 | 22508 | 5.87 | ng | # | 73 |
| 69) Pentachlorophenol | 11.13 | 266 | 28520 | 12.79 | ng | | 98 |
| 71) Anthracene | 11.40 | 178 | 371465 | 20.34 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 620754 | 27.92 | ng | | 99 |
| 74) Fluoranthene | 12.53 | 202 | 137236 | 6.88 | ng | | 95 |
| 77) Pyrene | 12.76 | 202 | 468098 | 24.09 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.38 | 149 | 175865 | 18.77 | ng | # | 64 |
| 80) Benzo(a)anthracene | 13.94 | 228 | 268696 | 16.17 | ng | | 100 |
| 82) Chrysene | 13.99 | 228 | 442467 | 27.81 | ng | | 99 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
Data File : BF080930.D
Acq On : 7 Aug 2015 16:52
Operator : TP/UM
Sample : G3083-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
MMDadoda
8/10/2015 7:19:09 PM

Quant Time: Aug 08 05:37:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 84) Di-n-octyl phthalate | 14.56 | 149 | 144879 | 6.56 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.71 | 276 | 183846 | 12.14 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 14.96 | 252 | 272625 | 17.20 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 14.99 | 252 | 329529m | 23.77 | ng | | |
| 89) Benzo(a)pyrene | 15.30 | 252 | 137195 | 10.07 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 17.11 | 276 | 140154 | 11.96 | ng | | 100 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
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Acq On : 7 Aug 2015 16:52
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Sample : G3083-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:37:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
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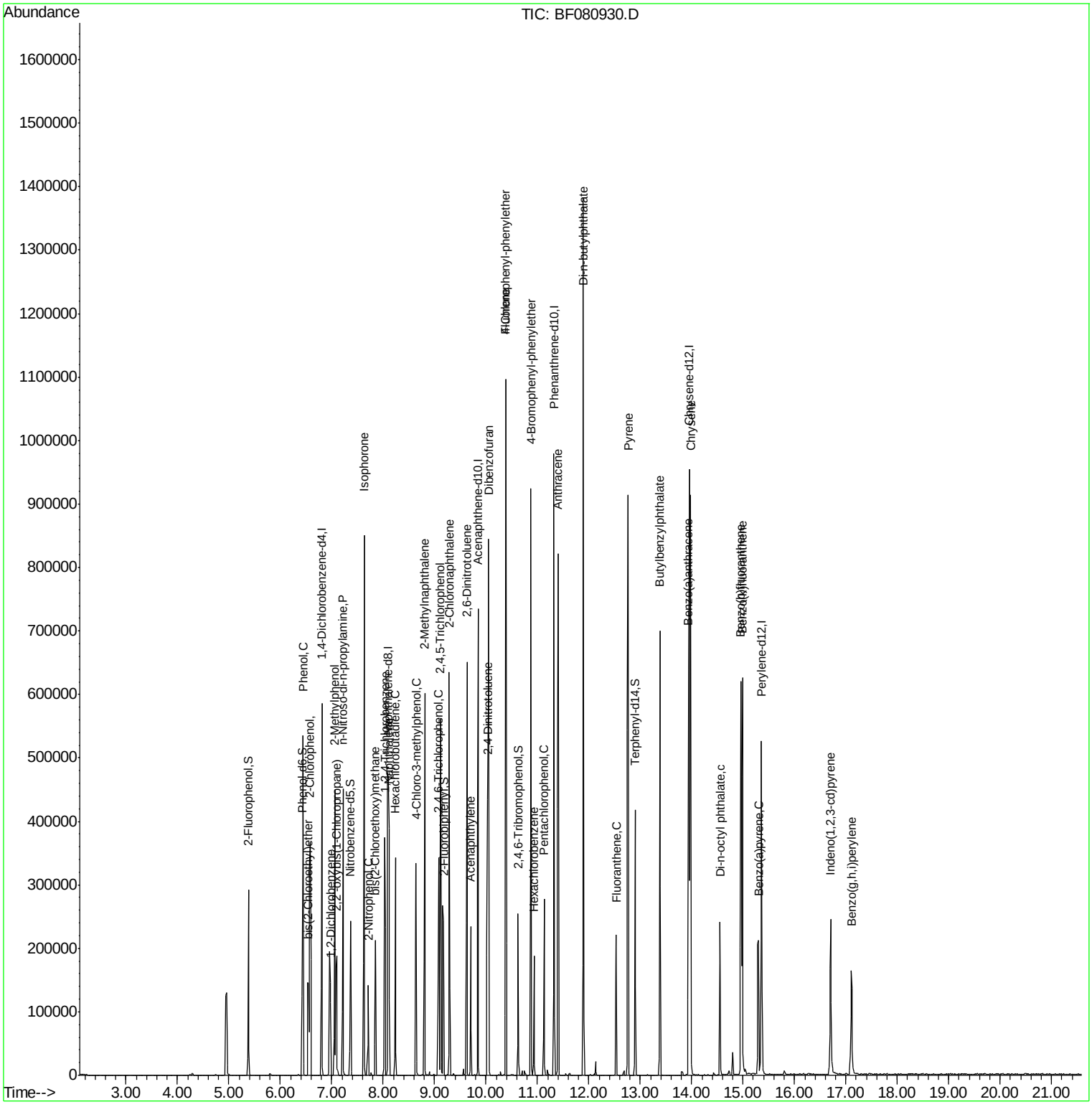
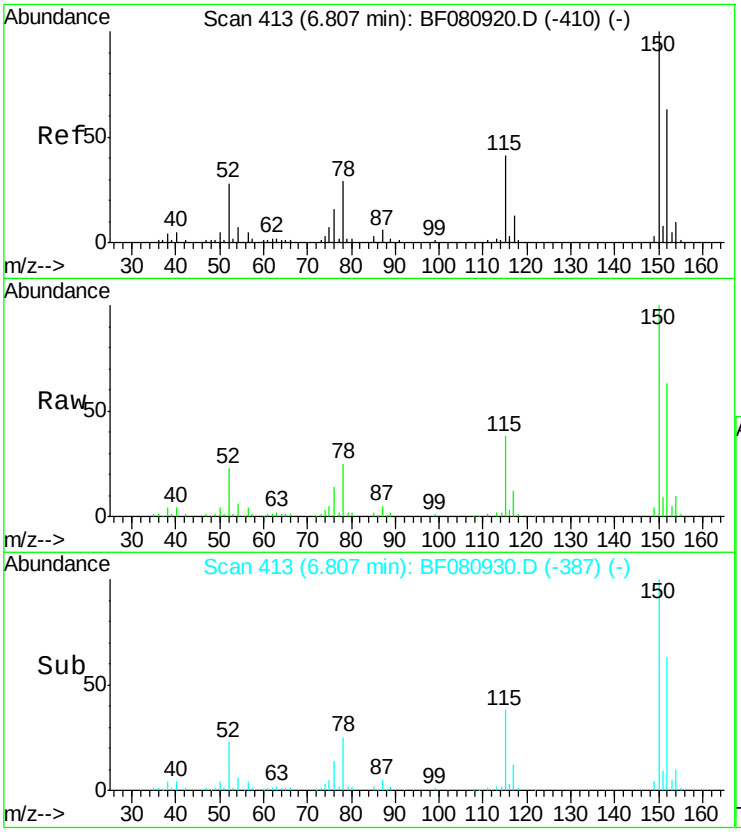
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
MMDadoda
8/10/2015 7:19:09 PM

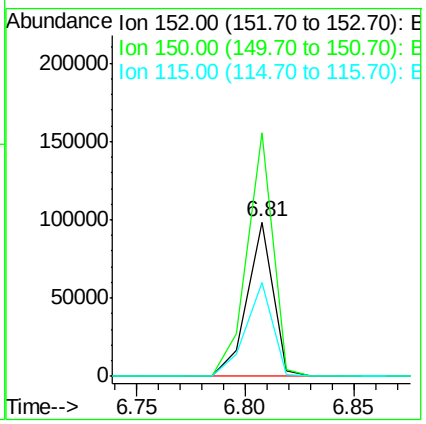





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:152 Resp: 80983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 127.4 | 191.2 |
| 115 | 60.6 | 52.6 | 78.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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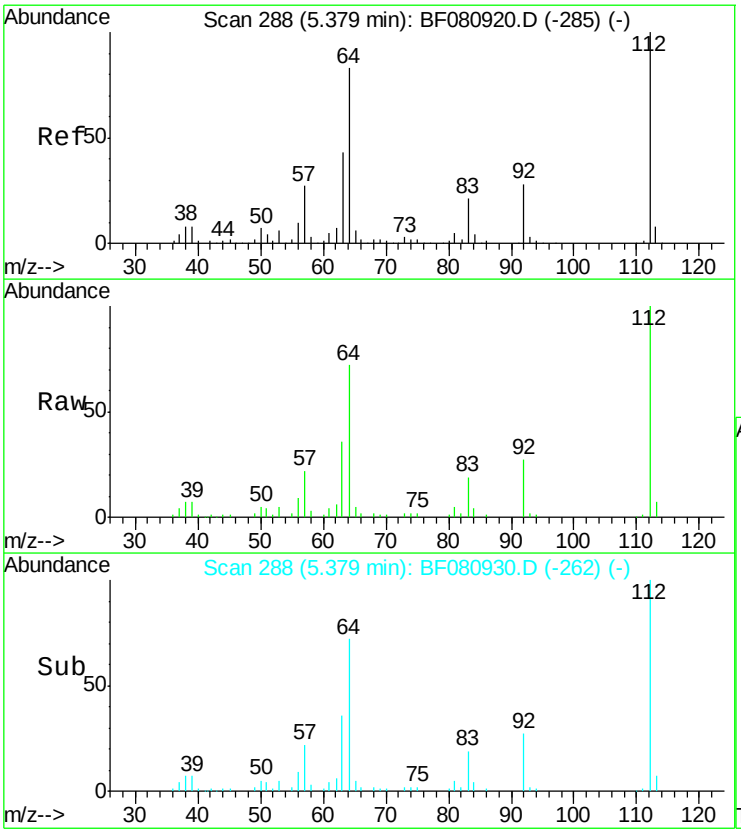
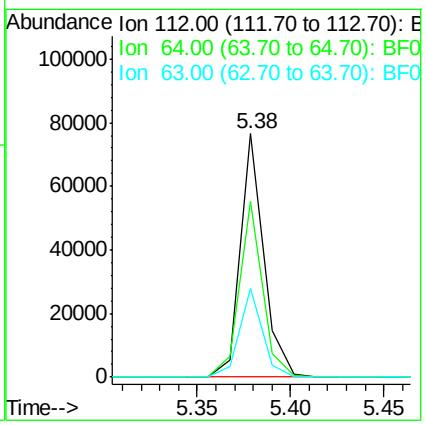
8/10/2015 7:19:09 PM

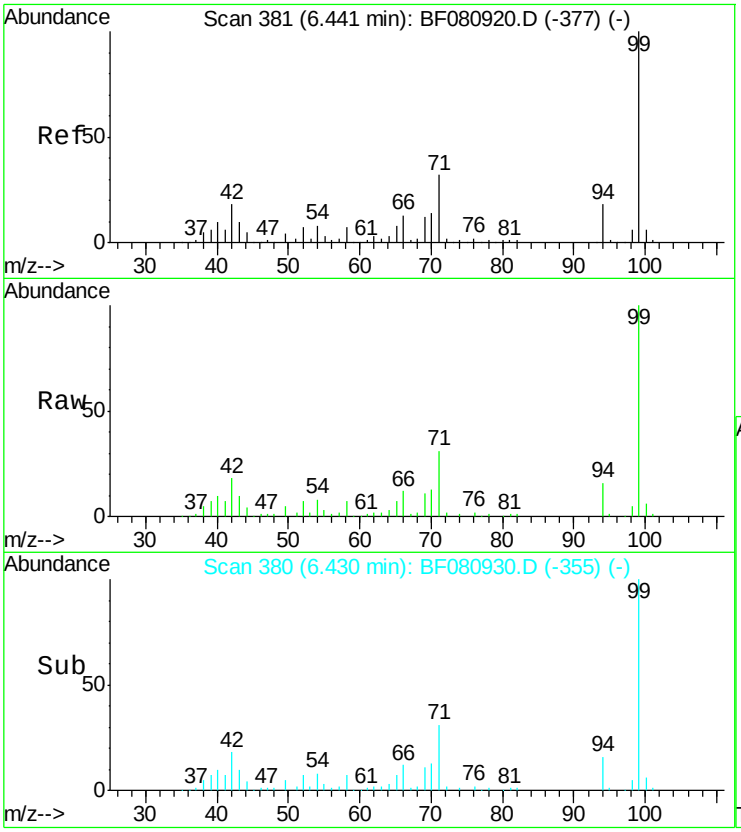



#5
2-Fluorophenol
Concen: 13.47 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:112 Resp: 66778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.3 | 66.1 | 99.1 |
| 63 | 36.5 | 34.6 | 52.0 |

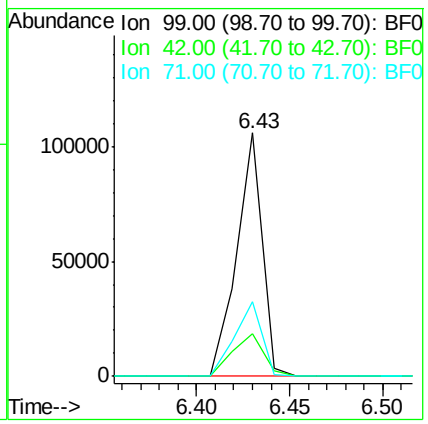





#7
Phenol-d6
Concen: 14.95 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 99 Resp: 101551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.8 | 14.4 | 21.6 |
| 71 | 30.7 | 25.8 | 38.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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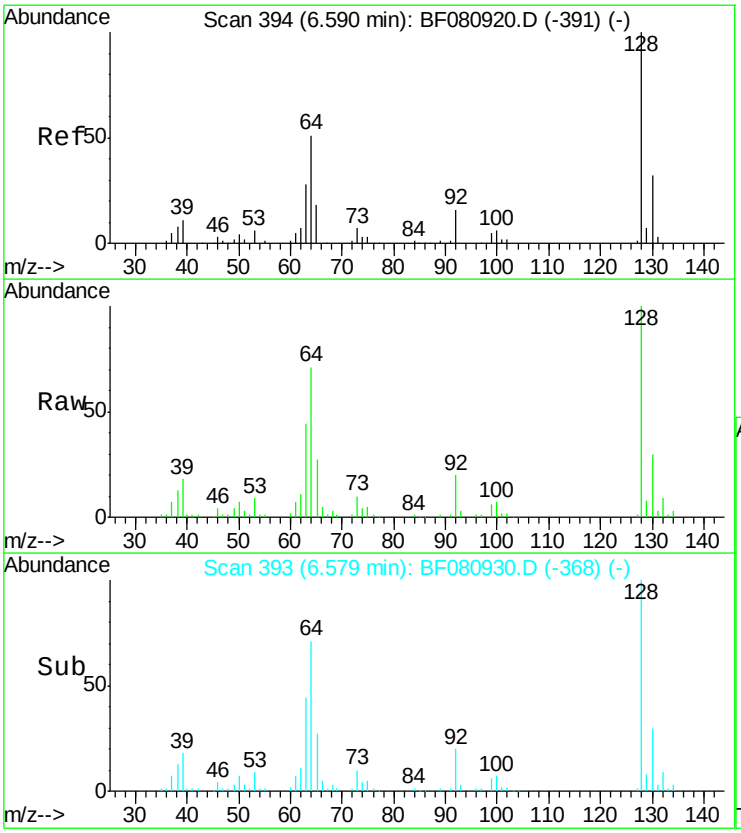
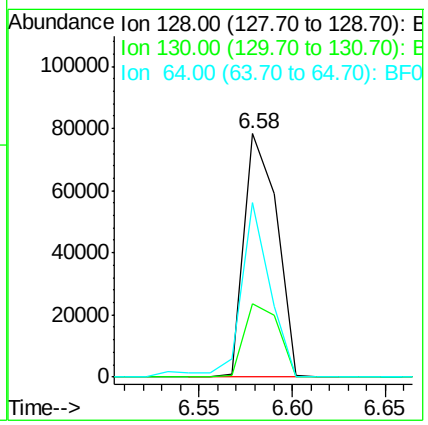
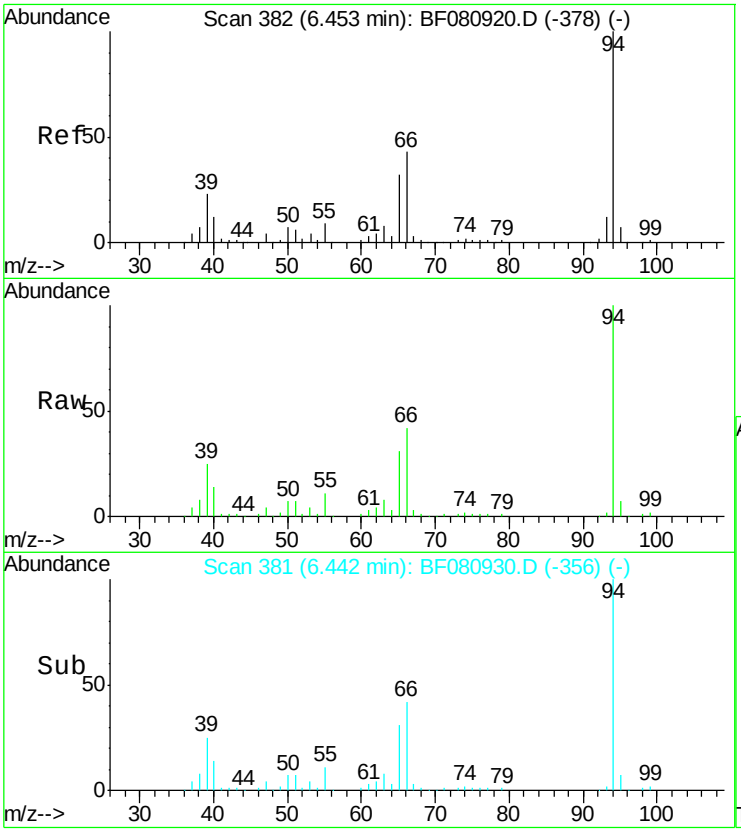



#8
2-Chlorophenol
Concen: 16.60 ng
RT: 6.58 min Scan# 393
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:128 Resp: 95213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 30.2 | 12.4 | 52.4 |
| 64 | 71.5 | 32.1 | 72.1 |

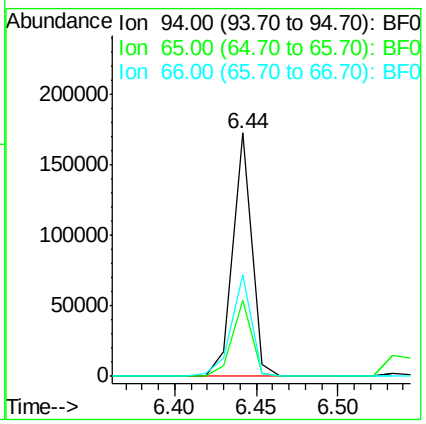





#10
Phenol
Concen: 16.96 ng
RT: 6.44 min Scan# 381
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 94 Resp: 136669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.1 | 11.8 | 51.8 |
| 66 | 41.6 | 22.9 | 62.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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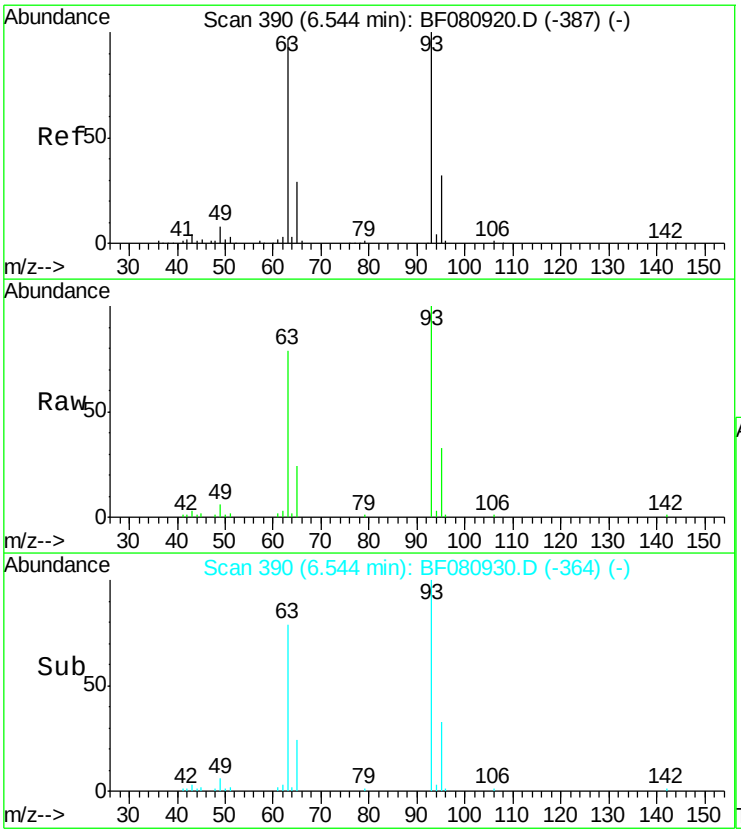
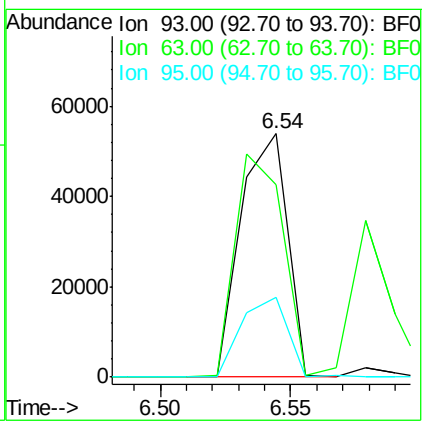
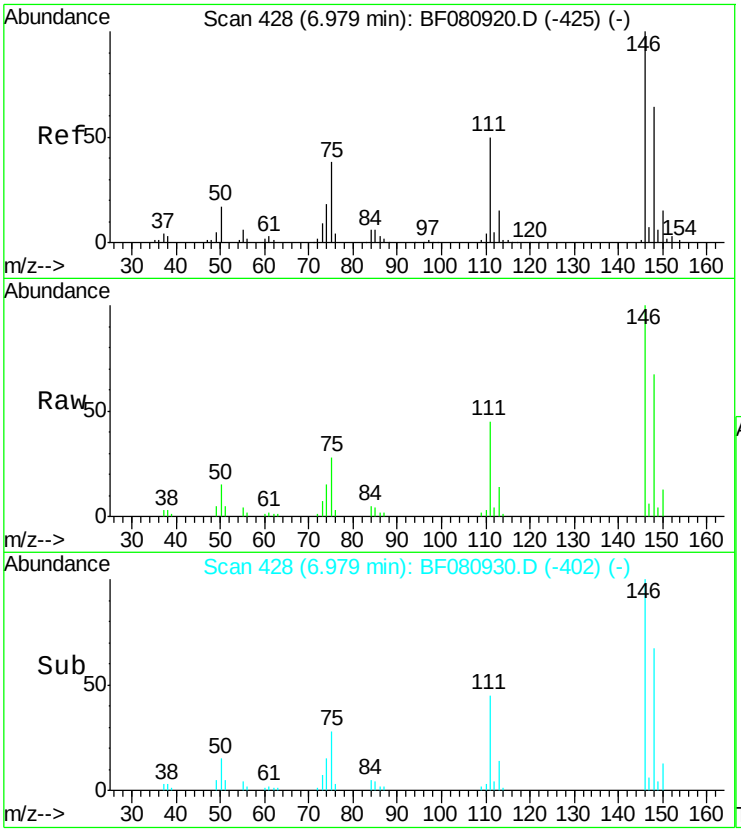



#11
bis(2-Chloroethyl)ether
Concen: 11.24 ng
RT: 6.54 min Scan# 390
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 93 Resp: 67638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.8 | 76.7 | 116.7 |
| 95 | 32.9 | 12.3 | 52.3 |

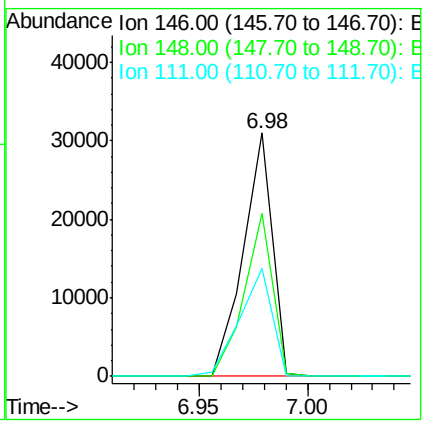





#14
1,2-Dichlorobenzene
Concen: 5.02 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:146 Resp: 28725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.1 | 51.1 | 76.7 |
| 111 | 44.6 | 40.0 | 60.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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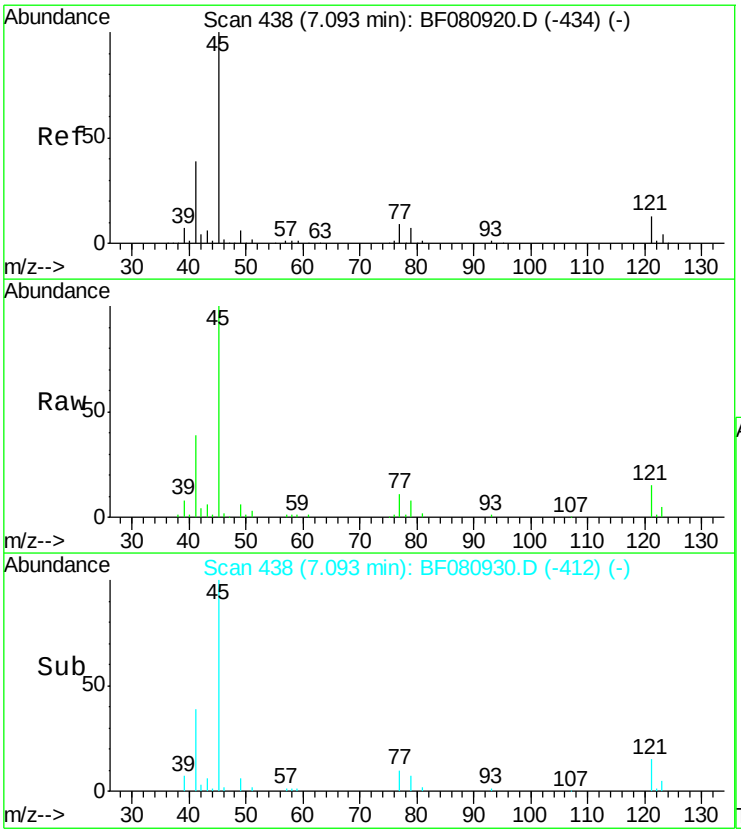
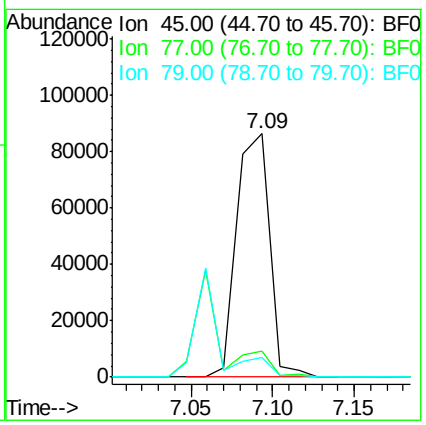
MMDadoda
8/10/2015 7:19:09 PM

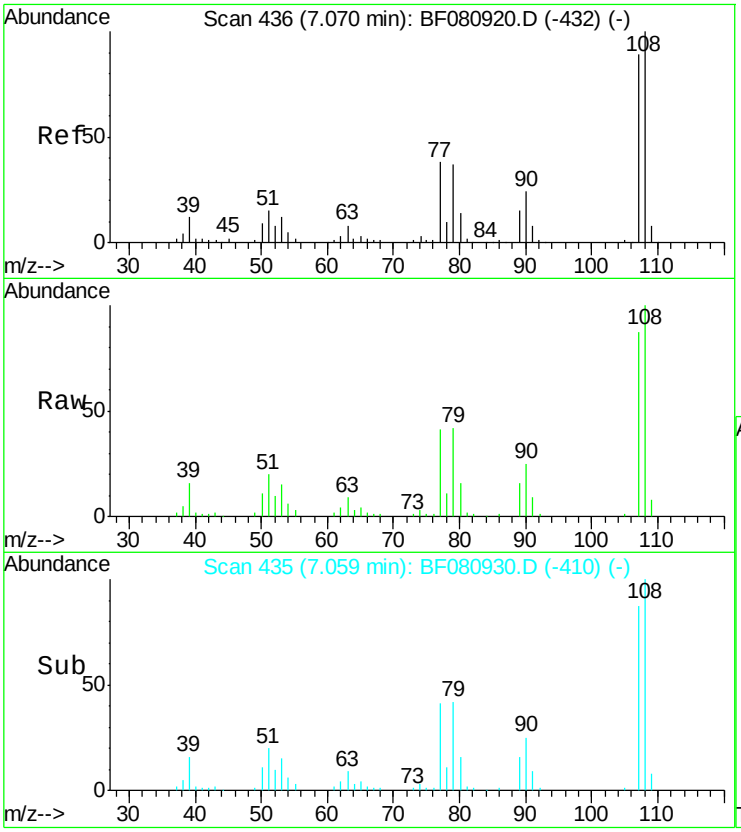



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.92 ng
RT: 7.09 min Scan# 438
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 45 Resp: 120069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 10.7 | 0.0 | 29.6 |
| 79 | 8.2 | 0.0 | 27.7 |

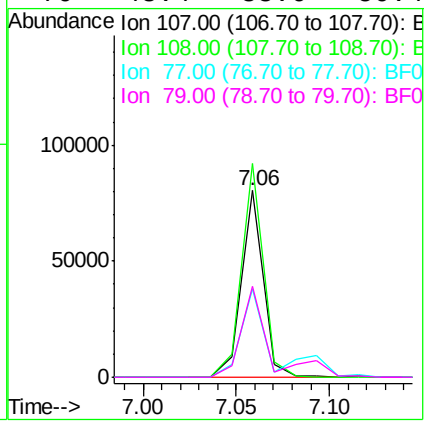





#17
2-Methylphenol
Concen: 13.38 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:107 Resp: 65519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 90.3 | 135.5 |
| 77 | 47.3 | 34.6 | 51.8 |
| 79 | 48.4 | 33.6 | 50.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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MMDadoda
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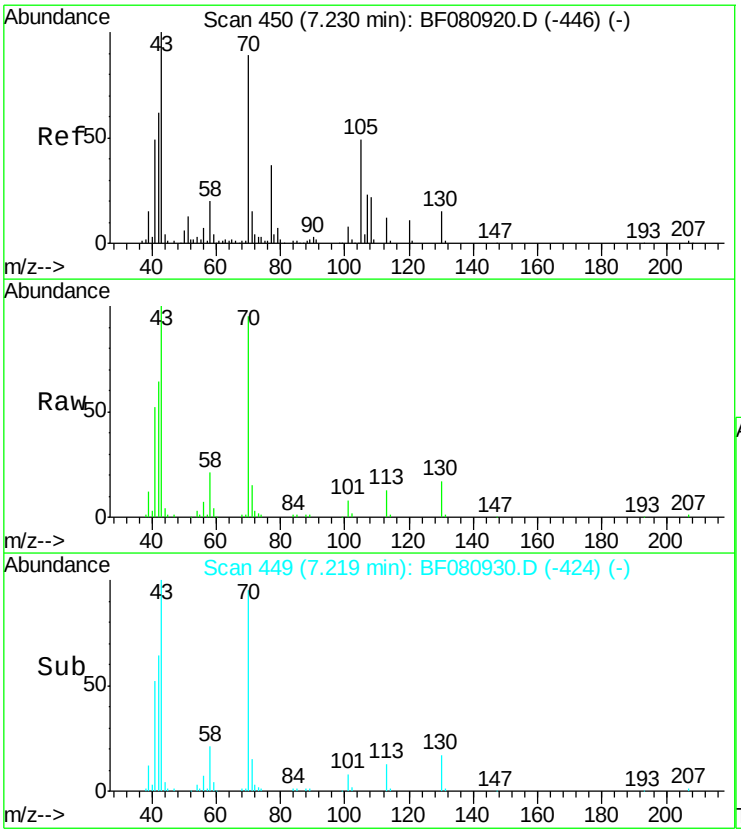
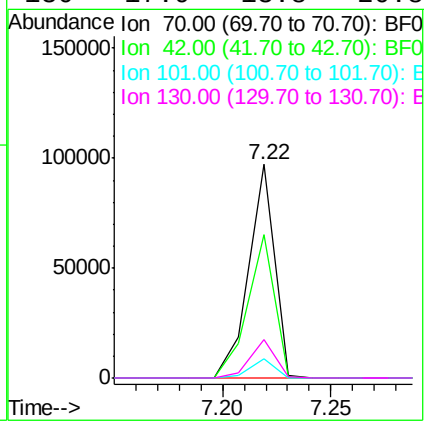
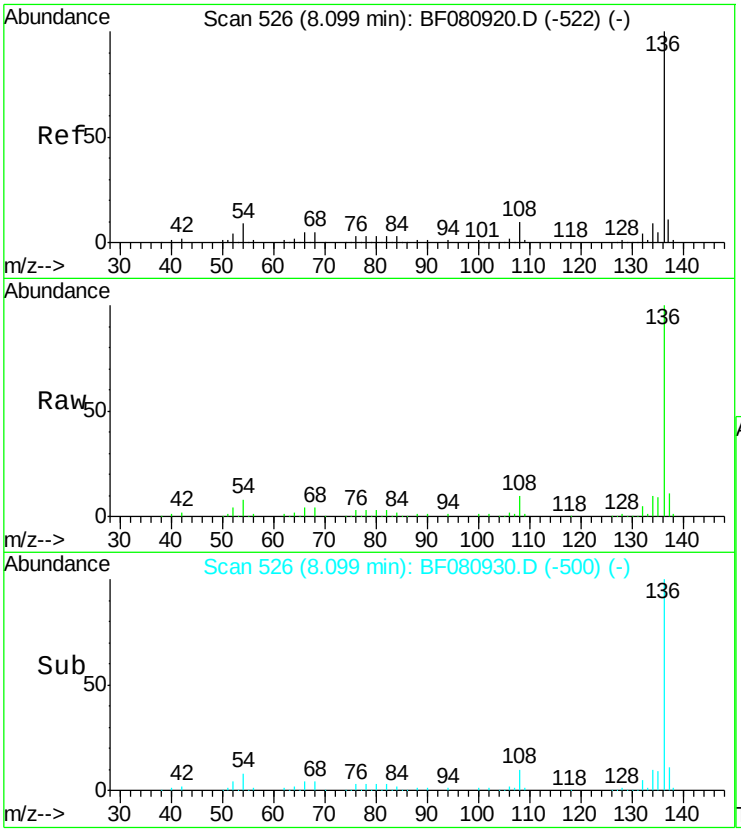



#19
n-Nitroso-di-n-propylamine
Concen: 16.24 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 70 Resp: 80601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 67.3 | 55.7 | 83.5 |
| 101 | 8.9 | 7.0 | 10.6 |
| 130 | 17.9 | 13.8 | 20.8 |

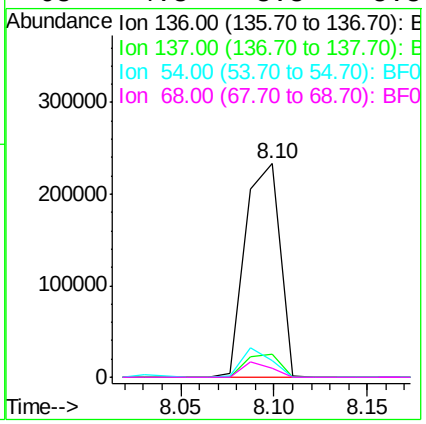





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:136 Resp: 305144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.5 | 12.7 |
| 54 | 7.6 | 7.1 | 10.7 |
| 68 | 4.3 | 3.8 | 5.8 |




**Instrument :**
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**ClientSampleId :**
8524DL

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MMDadoda
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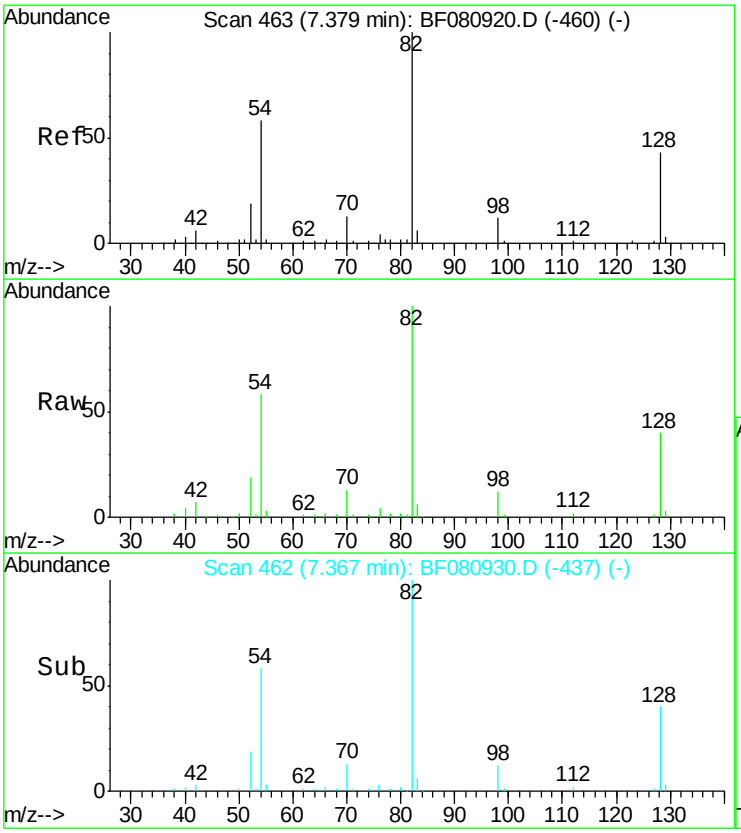
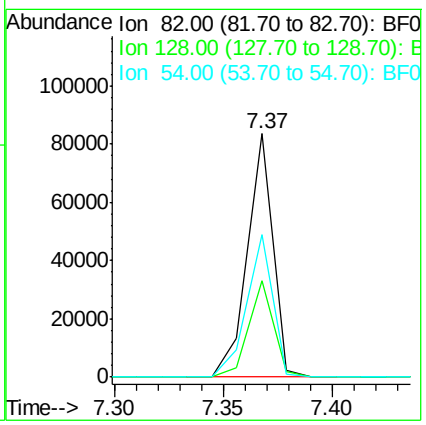
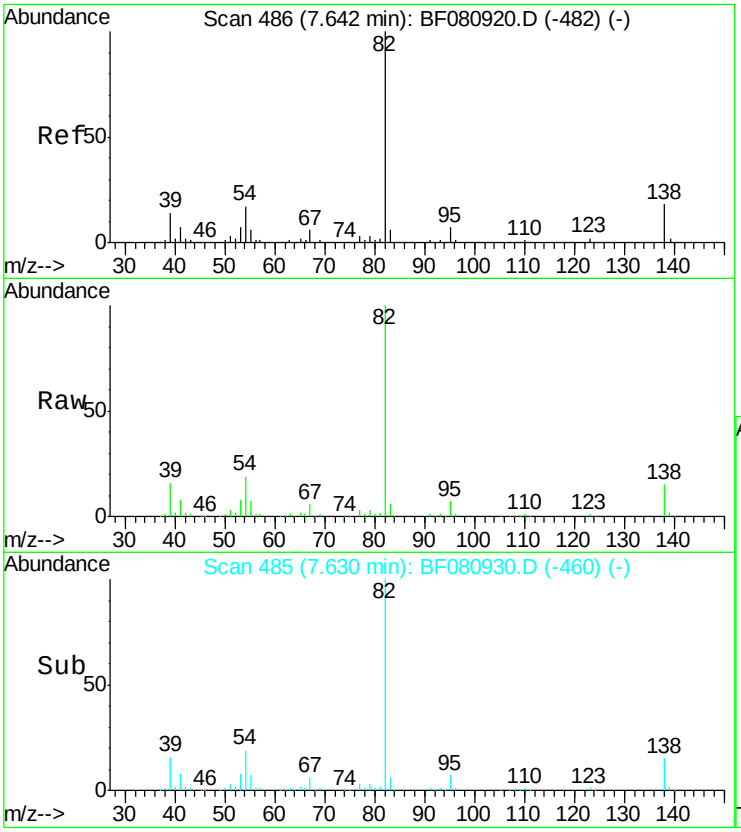



#23
Nitrobenzene-d5
Concen: 10.53 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 82 Resp: 67899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.8 | 34.1 | 51.1 |
| 54 | 58.4 | 46.5 | 69.7 |

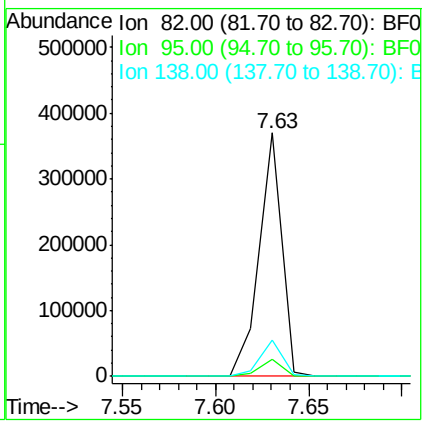





#25
Isophorone
Concen: 24.89 ng
RT: 7.63 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 82 Resp: 308754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.8 | 8.6 |
| 138 | 15.0 | 14.1 | 21.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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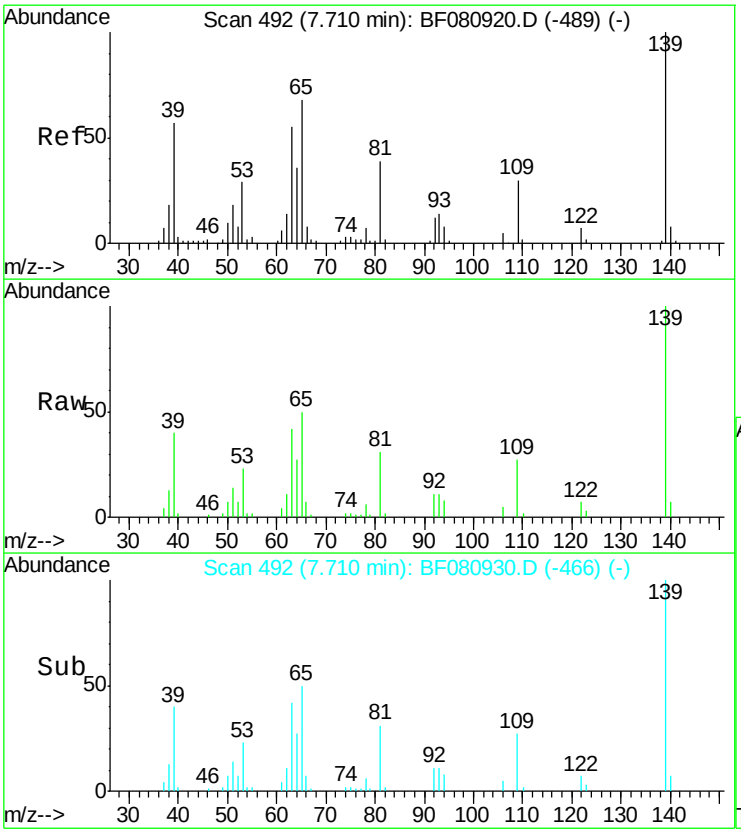
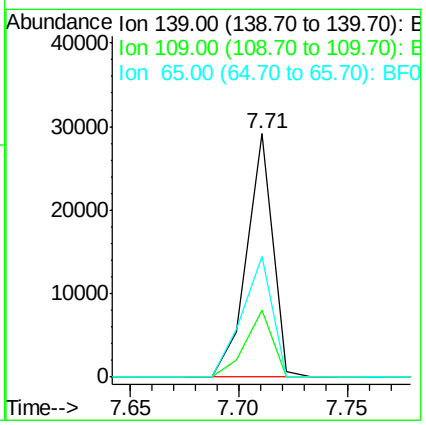
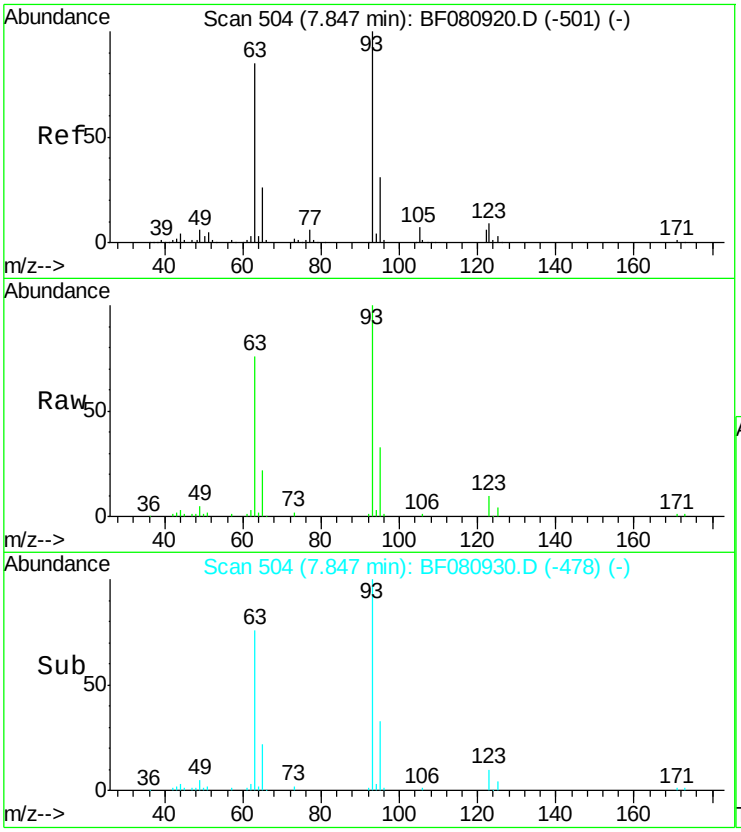



#26
2-Nitrophenol
Concen: 8.65 ng
RT: 7.71 min Scan# 492
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:139 Resp: 24168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.3 | 24.1 | 36.1 |
| 65 | 49.8 | 54.0 | 81.0# |

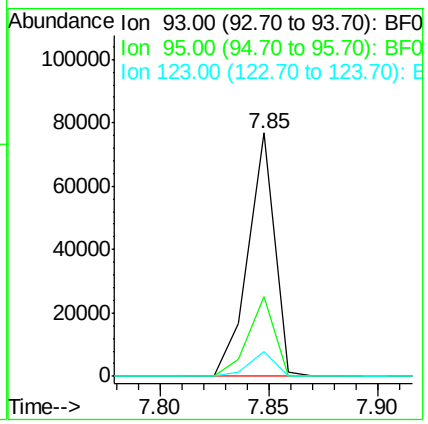





#28
bis(2-Chloroethoxy)methane
Concen: 8.71 ng
RT: 7.85 min Scan# 504
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 93 Resp: 64894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 25.0 | 37.4 |
| 123 | 10.0 | 7.4 | 11.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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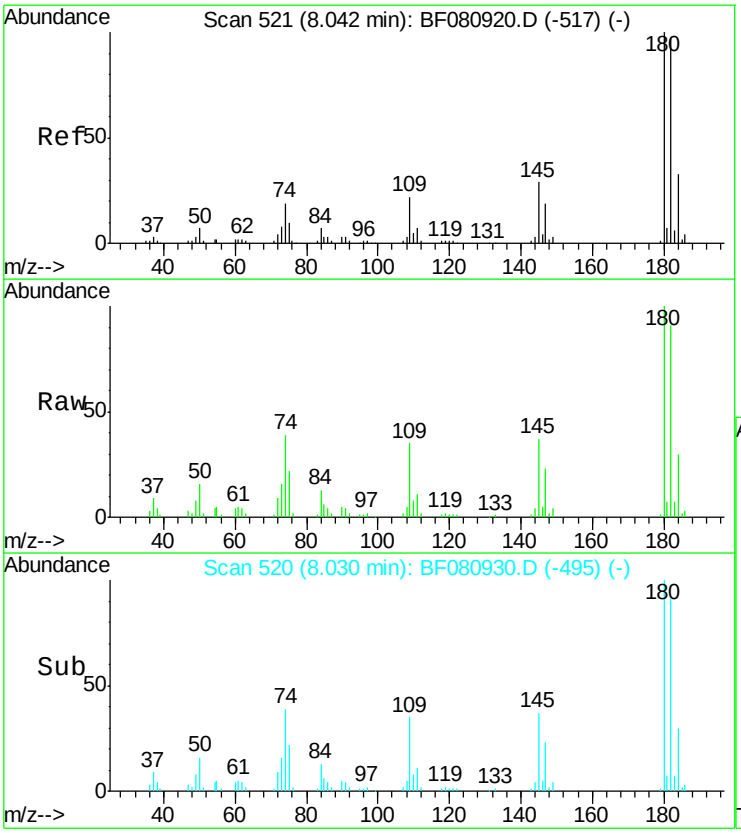
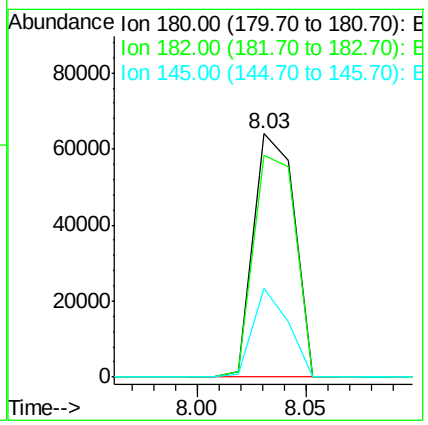
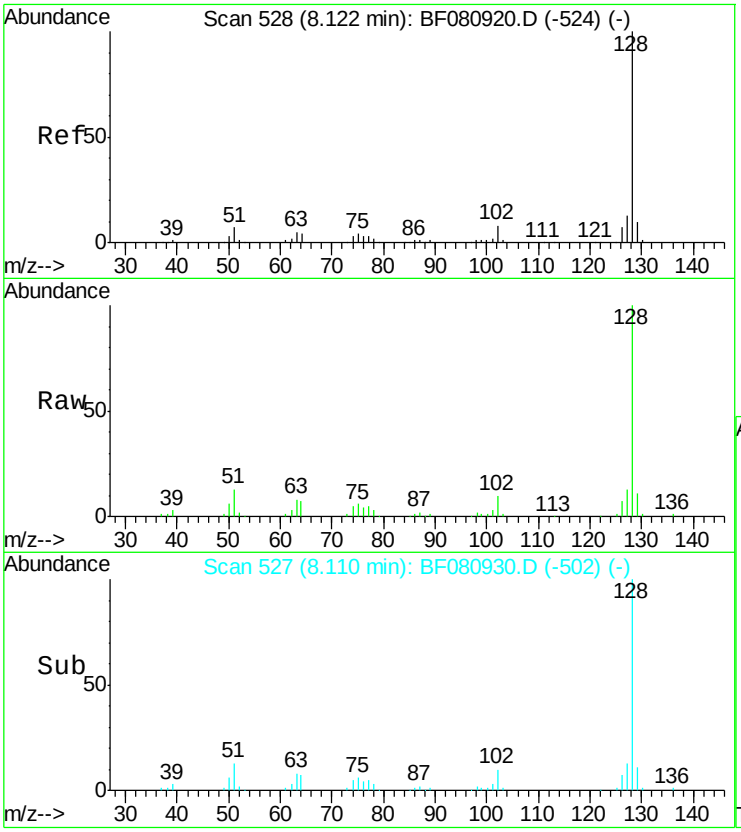



#30
1,2,4-Trichlorobenzene
Concen: 17.88 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:180 Resp: 84048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.3 | 77.4 | 116.0 |
| 145 | 36.6 | 23.2 | 34.8# |

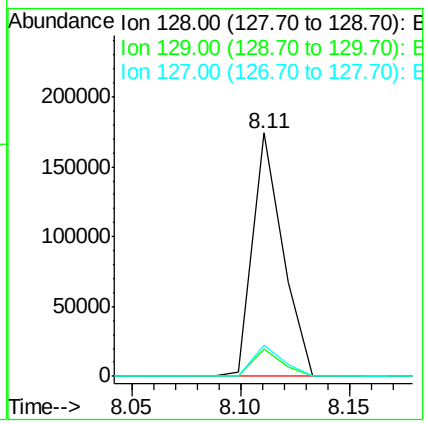





#31
Naphthalene
Concen: 9.98 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:128 Resp: 167788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.4 | 12.6 |
| 127 | 13.0 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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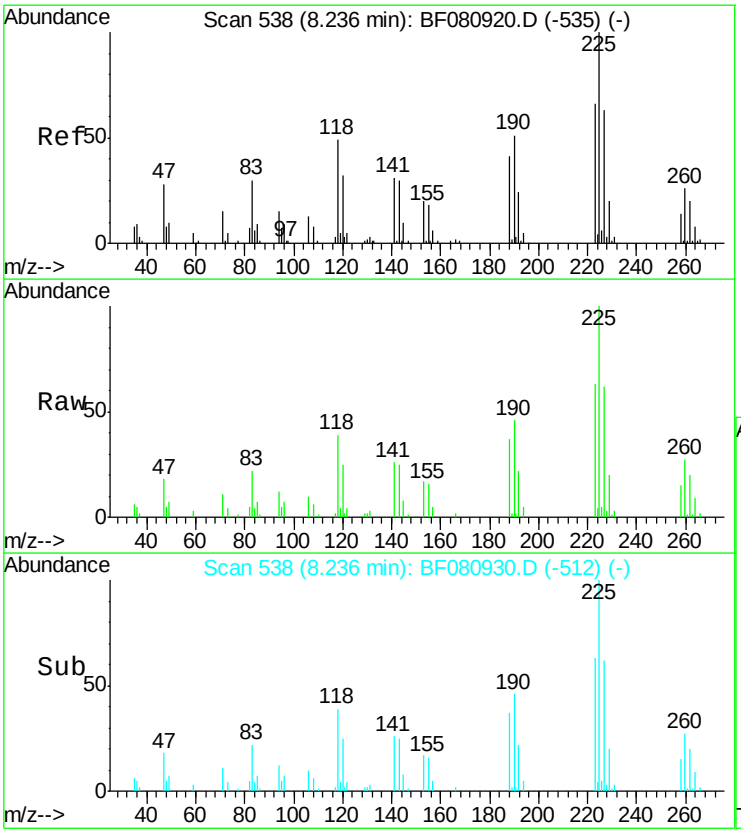
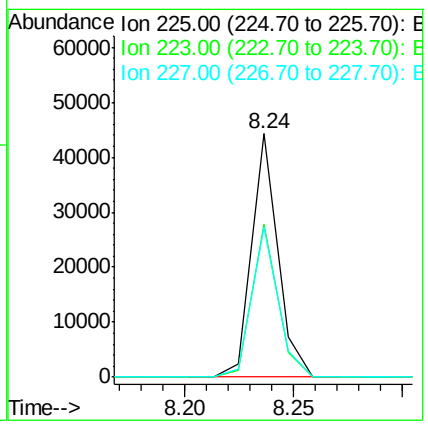
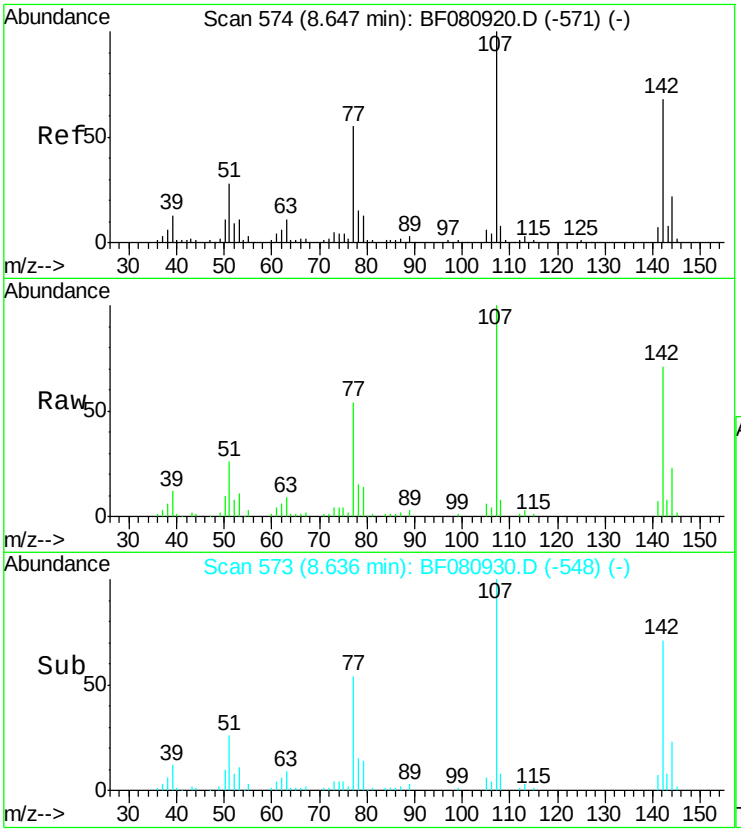



#34
Hexachlorobutadiene
Concen: 13.19 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:225 Resp: 36882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 52.5 | 78.7 |
| 227 | 61.8 | 50.3 | 75.5 |

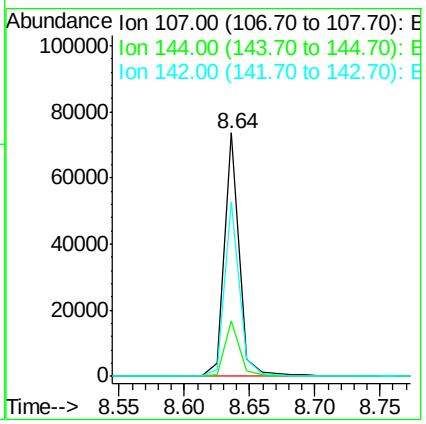





#36
4-Chloro-3-methylphenol
Concen: 11.26 ng
RT: 8.64 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:107 Resp: 59069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.9 | 17.3 | 25.9 |
| 142 | 71.4 | 54.4 | 81.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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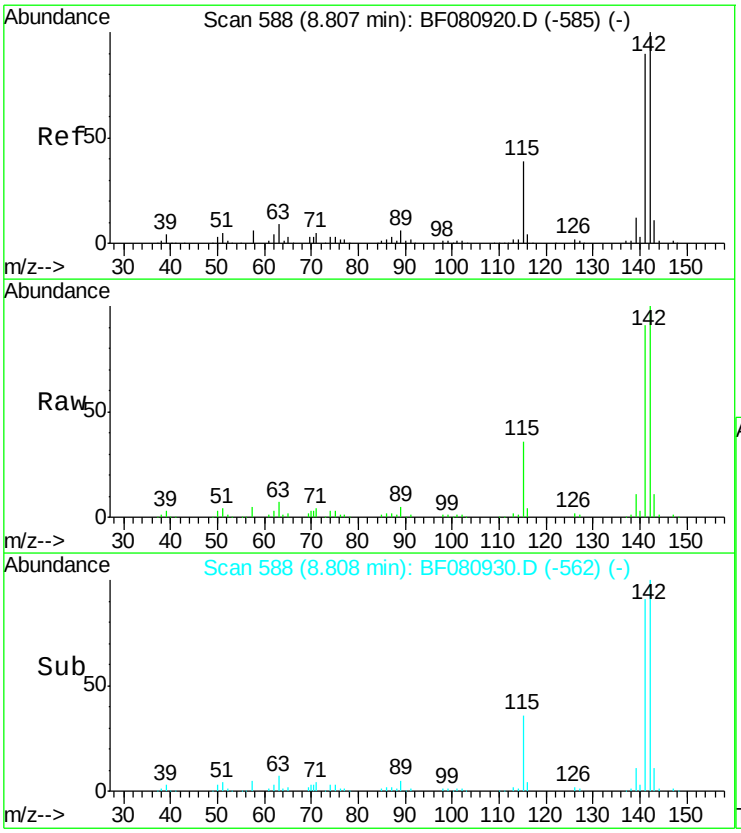
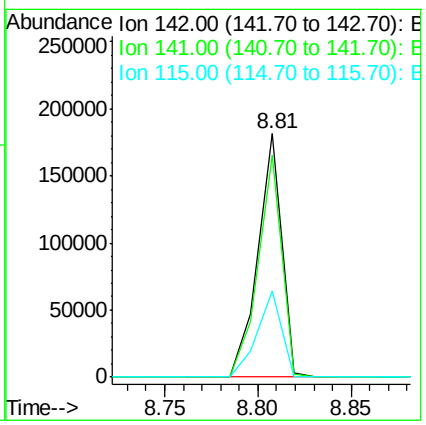
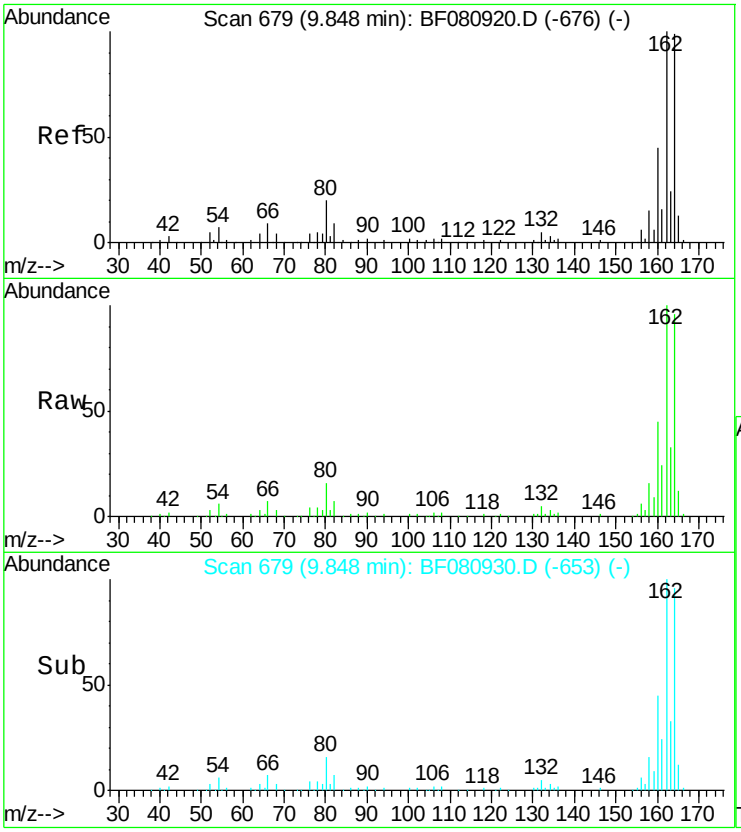



#37
2-Methylnaphthalene
Concen: 14.85 ng
RT: 8.81 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:142 Resp: 158983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 71.7 | 107.5 |
| 115 | 35.6 | 30.9 | 46.3 |

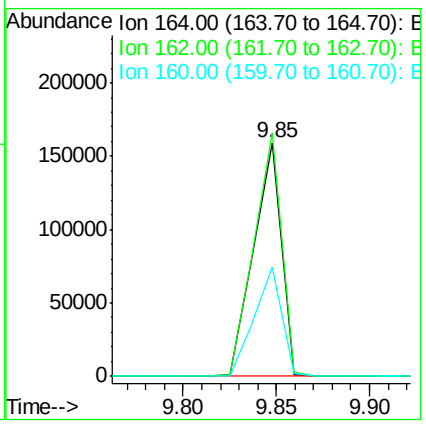





#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:164 Resp: 162831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 80.5 | 120.7 |
| 160 | 46.7 | 36.6 | 54.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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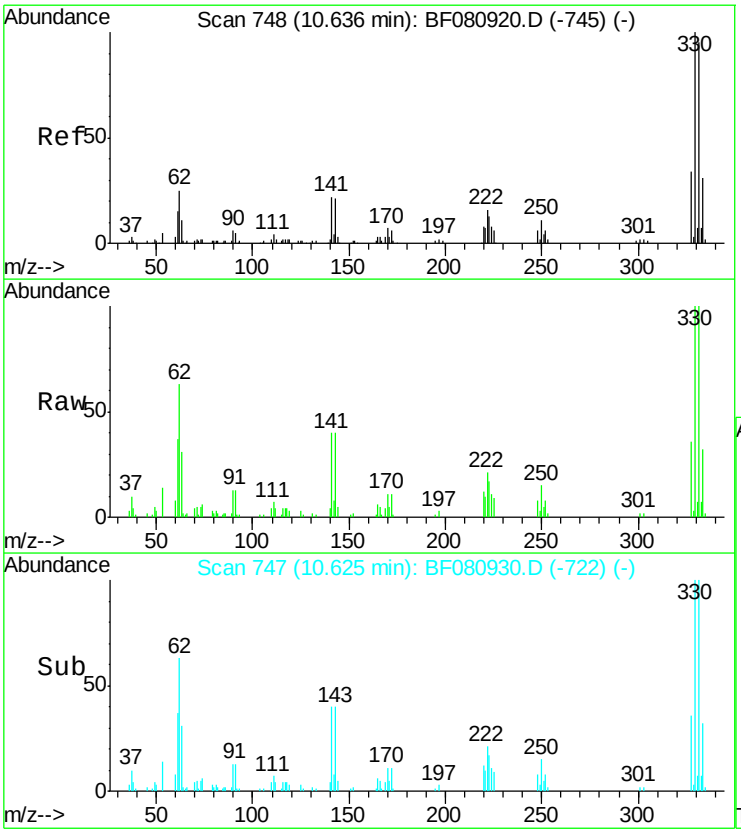
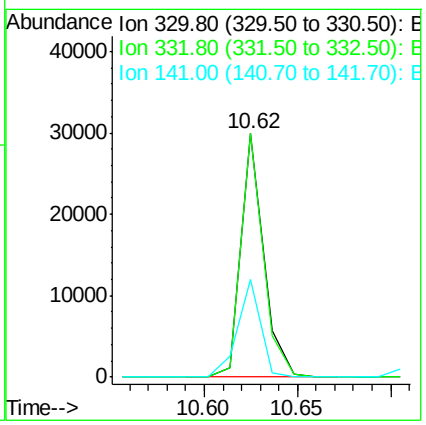
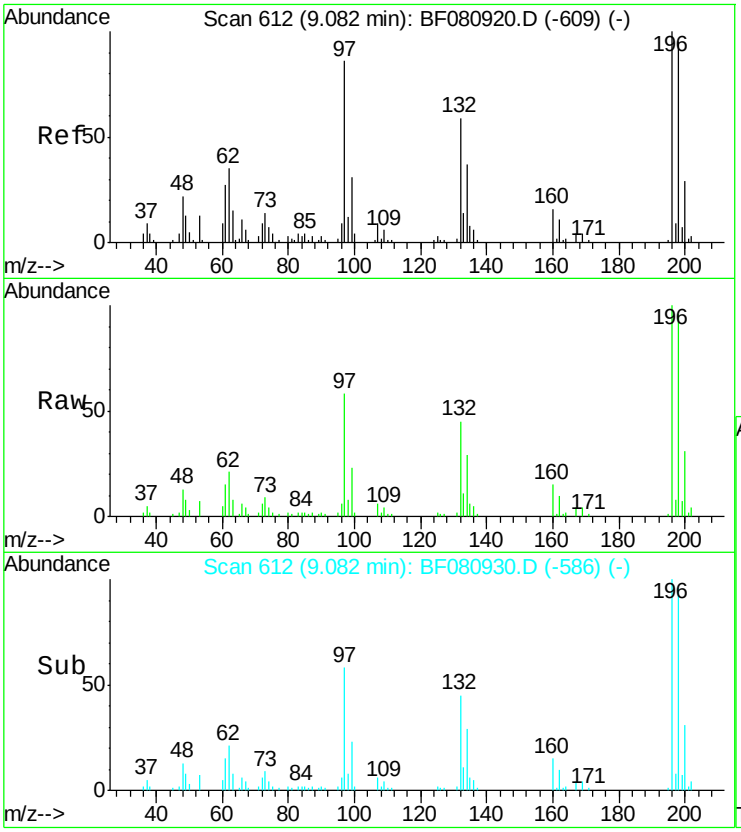



#41
2,4,6-Tribromophenol
Concen: 14.25 ng
RT: 10.62 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:330 Resp: 25499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.9 | 76.2 | 114.4 |
| 141 | 40.3 | 27.8 | 41.8 |

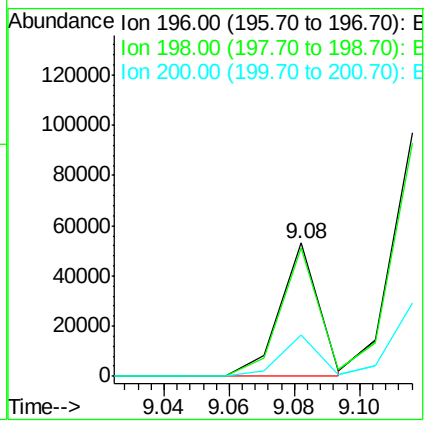





#42
2,4,6-Trichlorophenol
Concen: 11.90 ng
RT: 9.08 min Scan# 612
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:196 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 75.9 | 113.9 |
| 200 | 31.0 | 23.1 | 34.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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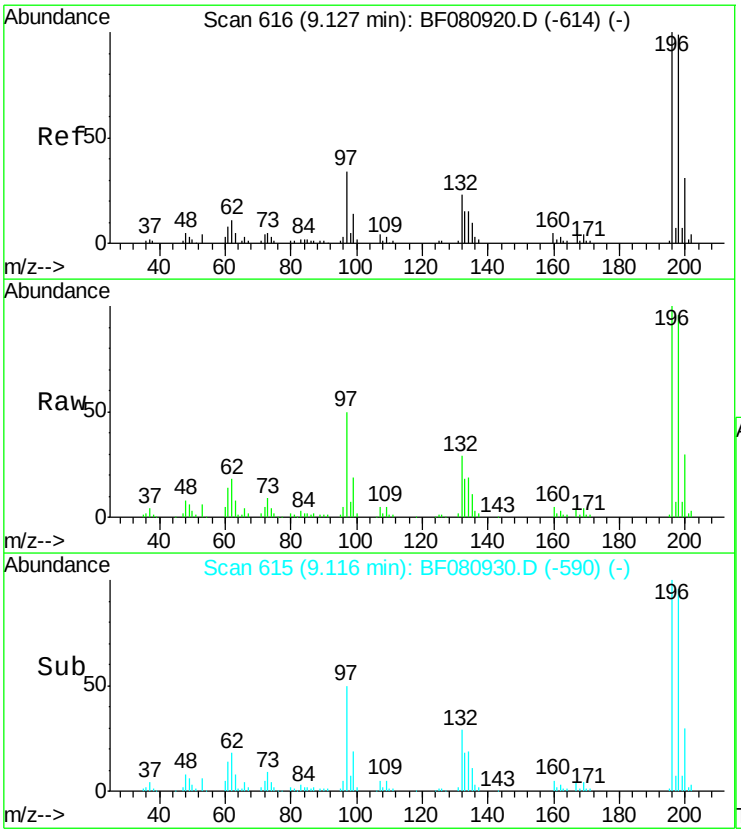
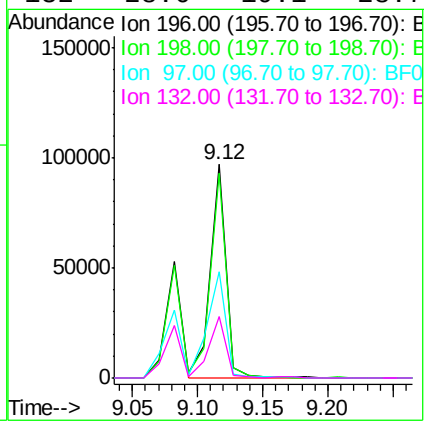
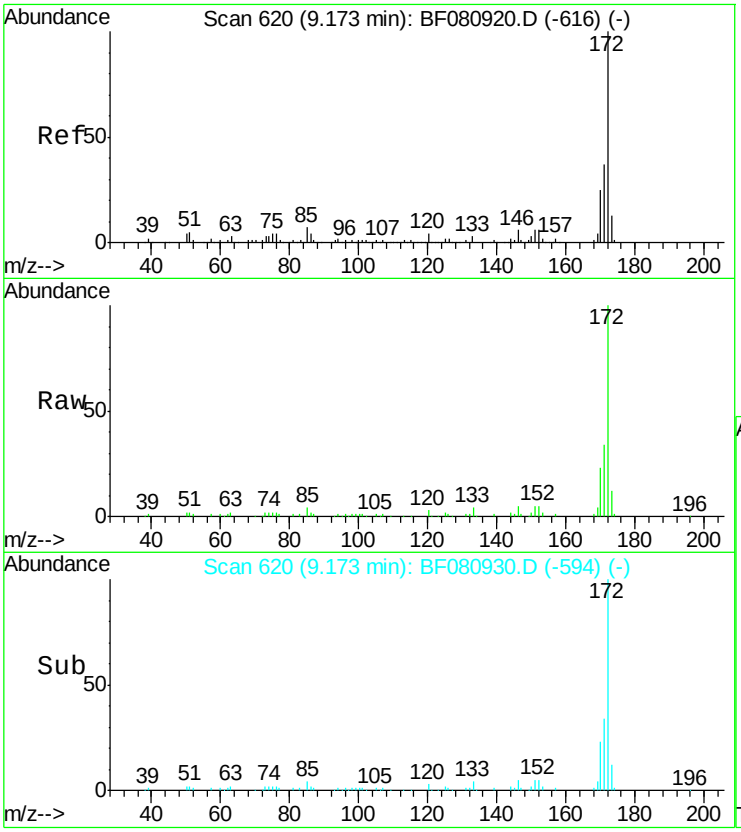



#43
2,4,5-Trichlorophenol
Concen: 22.03 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:196 Resp: 81660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 78.9 | 118.3 |
| 97 | 49.9 | 29.1 | 43.7# |
| 132 | 28.6 | 19.1 | 28.7 |

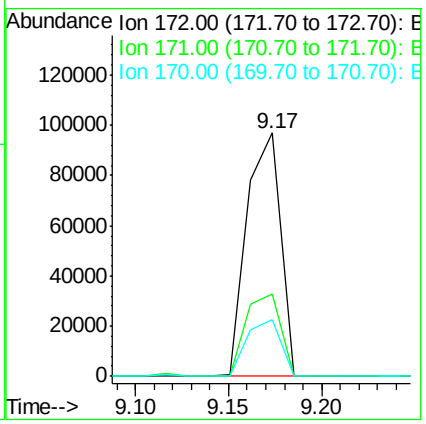





#44
2-Fluorobiphenyl
Concen: 10.46 ng
RT: 9.17 min Scan# 620
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:172 Resp: 121030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.8 | 29.4 | 44.0 |
| 170 | 23.2 | 19.7 | 29.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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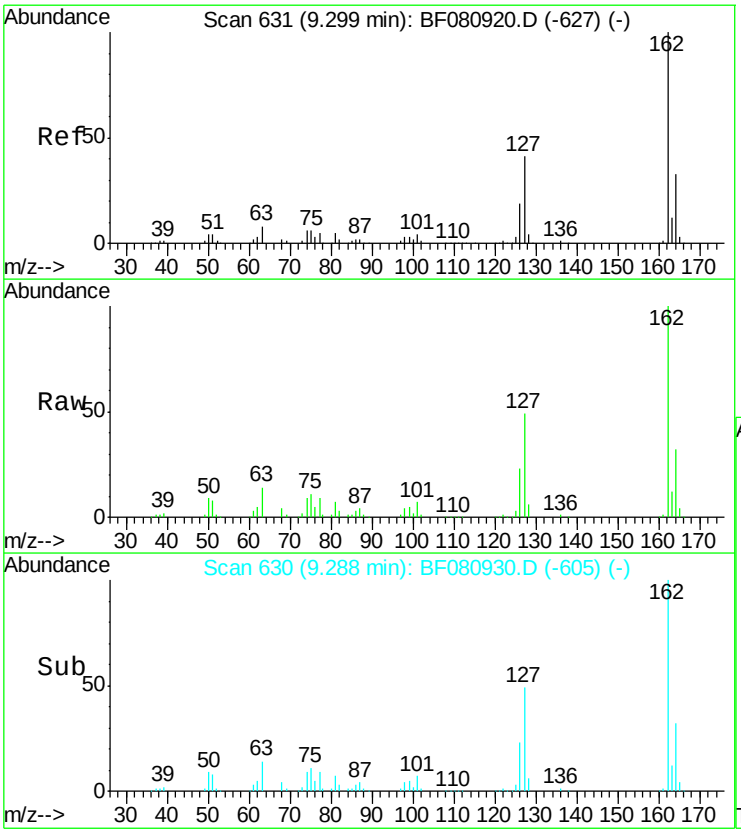
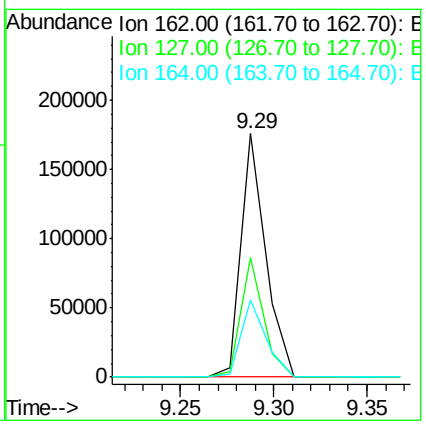
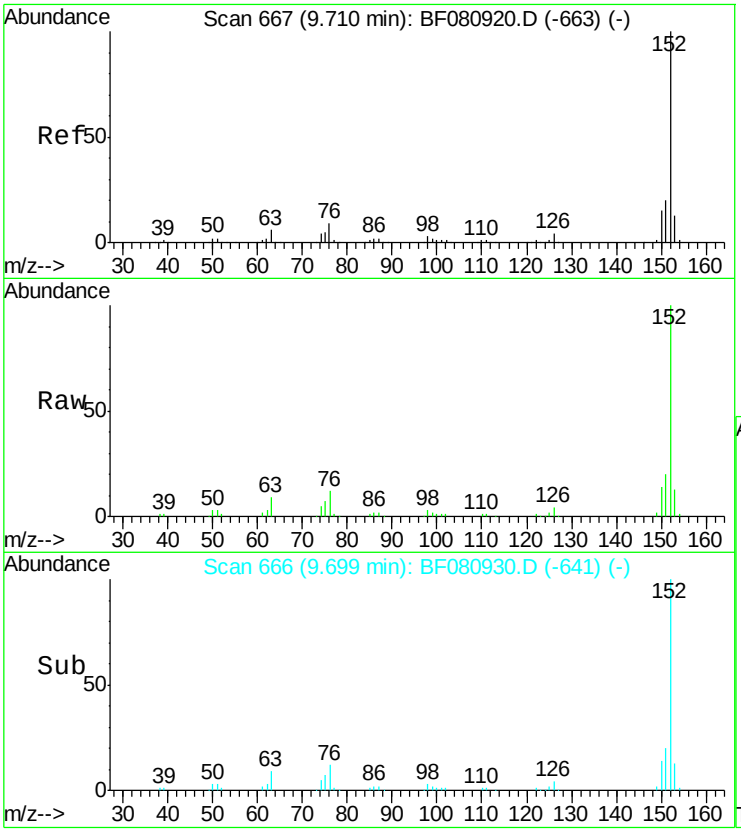



#46
2-Chloronaphthalene
Concen: 14.87 ng
RT: 9.29 min Scan# 630
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:162 Resp: 162036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 49.0 | 32.5 | 48.7# |
| 164 | 31.9 | 26.2 | 39.4 |

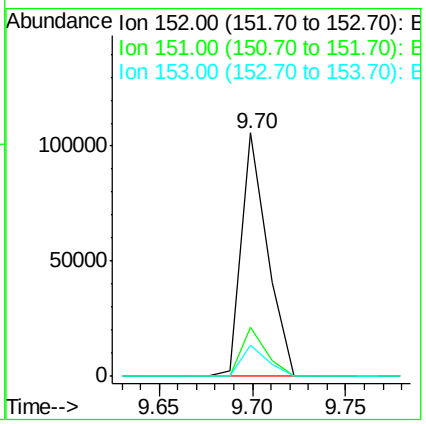





#48
Acenaphthylene
Concen: 5.41 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:152 Resp: 102541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 12.9 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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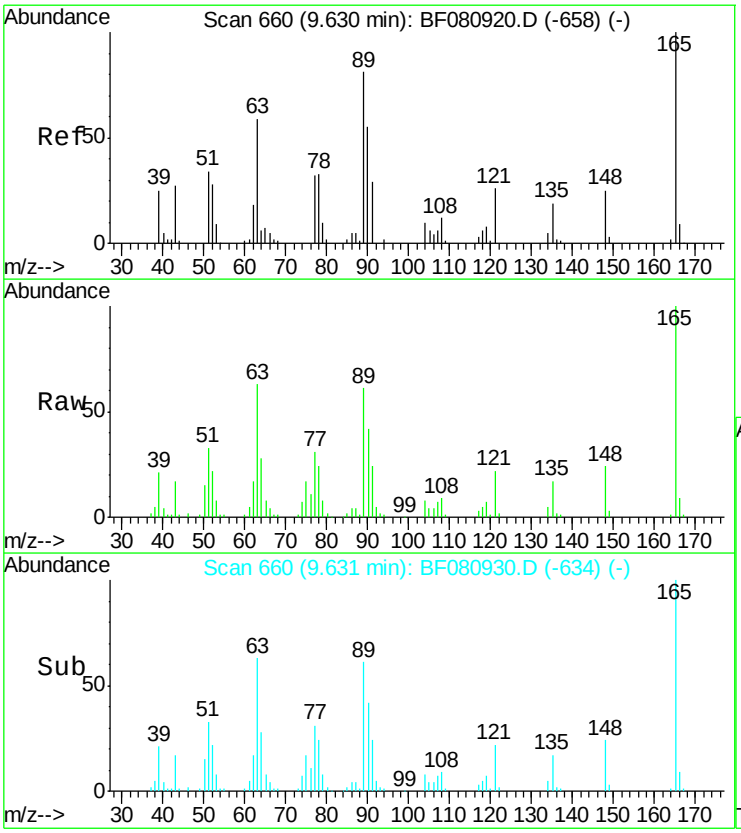
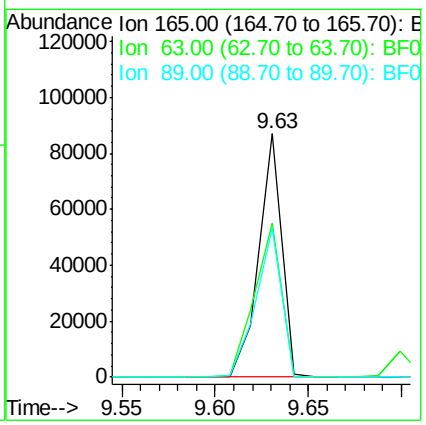
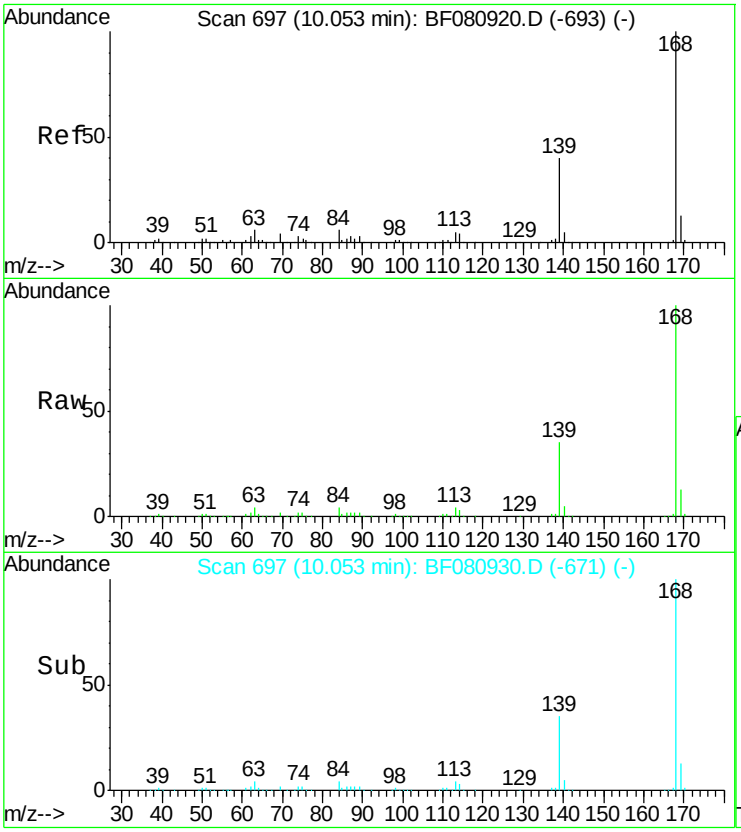



#50
2,6-Dinitrotoluene
Concen: 26.23 ng
RT: 9.63 min Scan# 660
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:165 Resp: 73289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.4 | 77.6 | 116.4# |
| 89 | 61.3 | 64.5 | 96.7# |

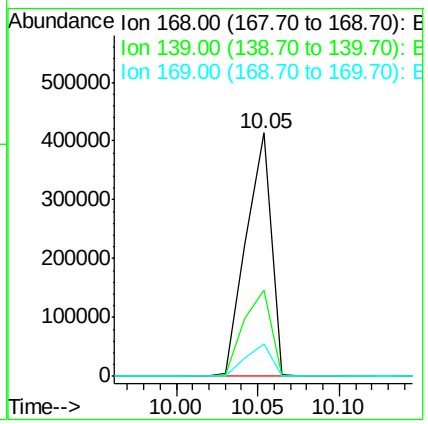





#54
Dibenzofuran
Concen: 28.32 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:168 Resp: 444188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.4 | 31.9 | 47.9 |
| 169 | 13.1 | 10.6 | 15.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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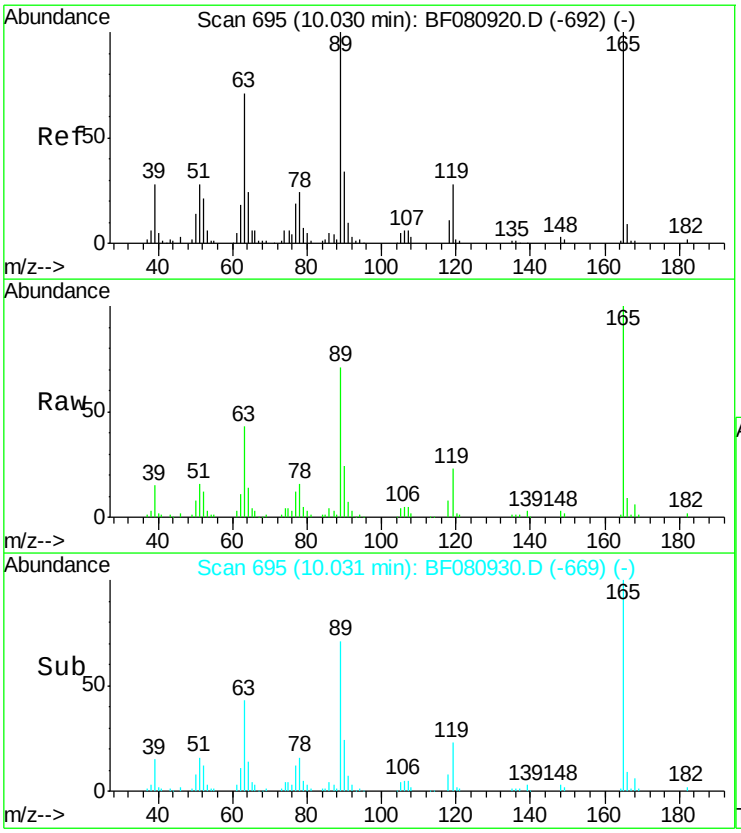
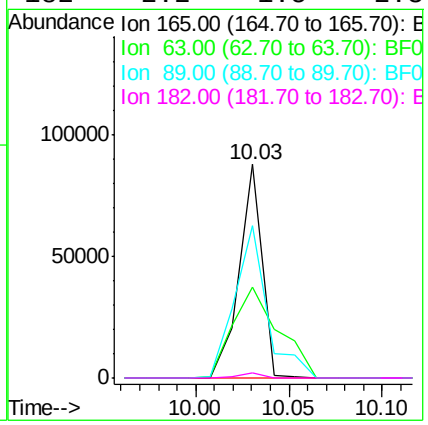
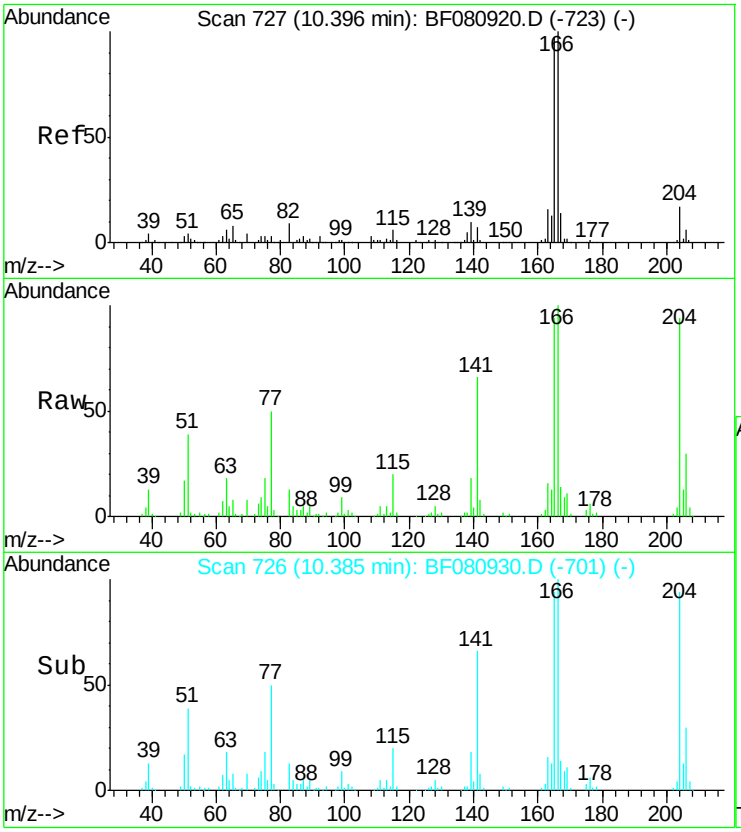



#56
2,4-Dinitrotoluene
Concen: 20.12 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:165 Resp: 75232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.5 | 56.7 | 85.1# |
| 89 | 71.2 | 80.4 | 120.6# |
| 182 | 2.2 | 1.5 | 2.3 |

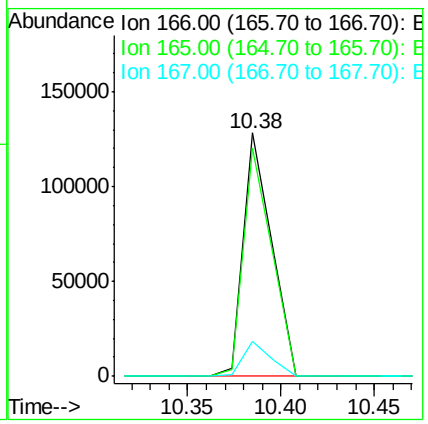





#57
Fluorene
Concen: 11.10 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:166 Resp: 134680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.7 | 77.2 | 115.8 |
| 167 | 14.3 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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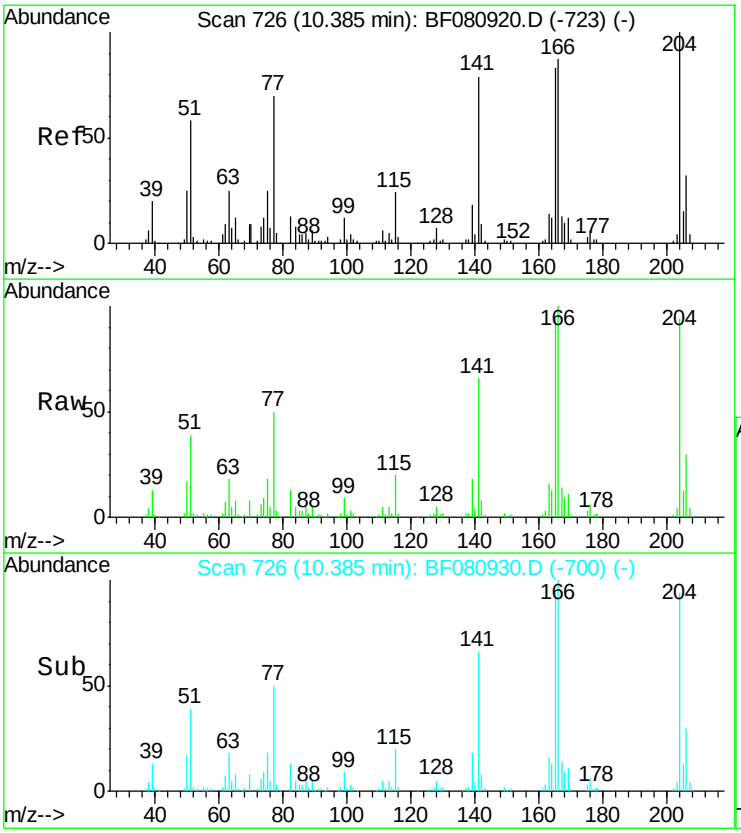
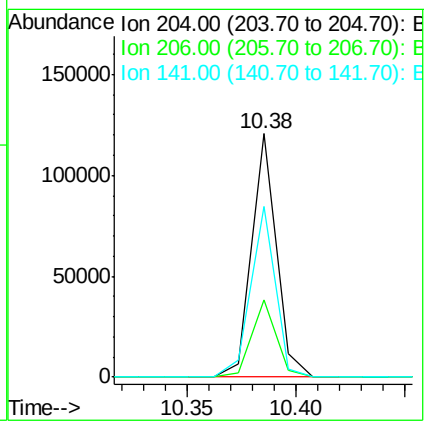
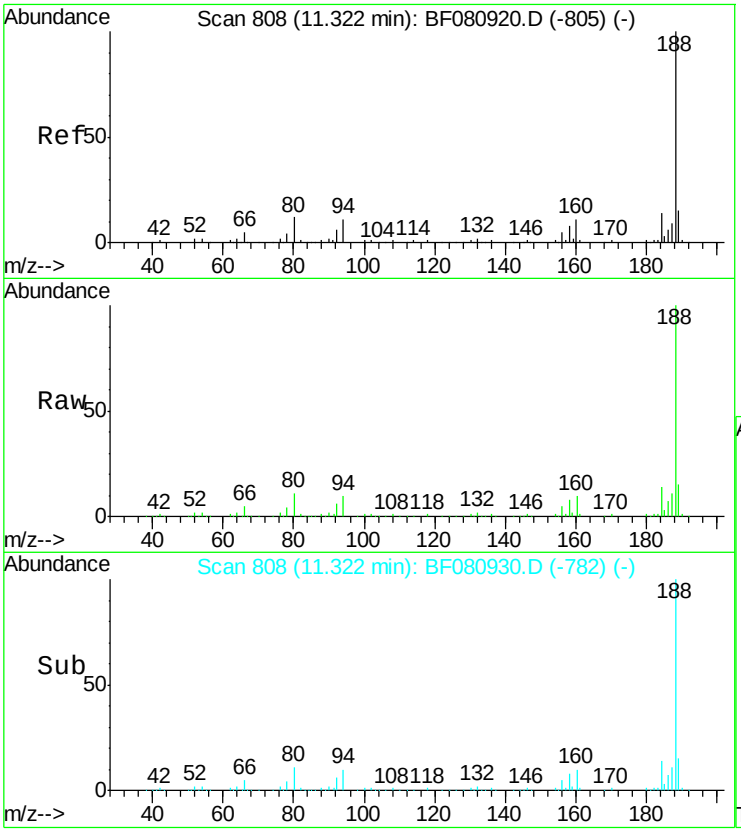



#60
4-Chlorophenyl-phenylether
Concen: 16.10 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:204 Resp: 95201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.0 | 25.5 | 38.3 |
| 141 | 69.9 | 63.4 | 95.0 |

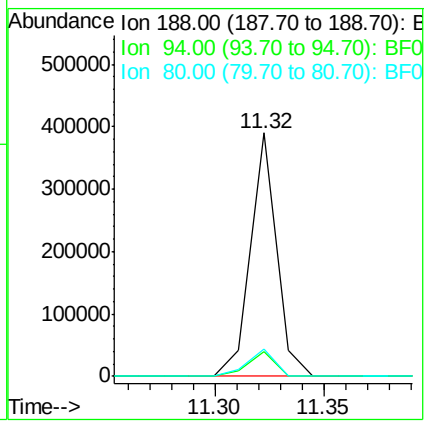





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:188 Resp: 325796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.8 | 13.2 |
| 80 | 11.0 | 9.5 | 14.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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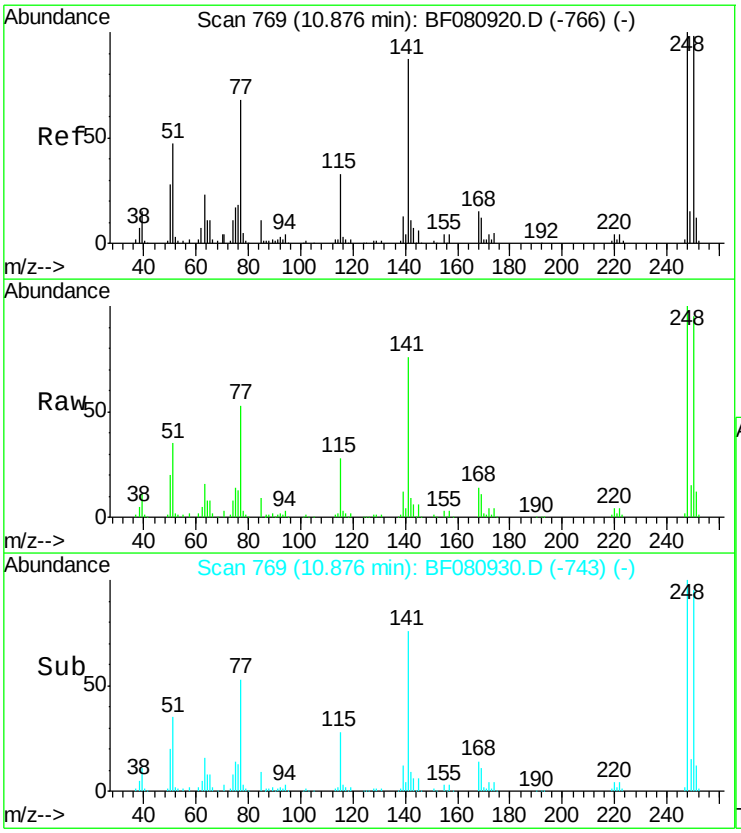
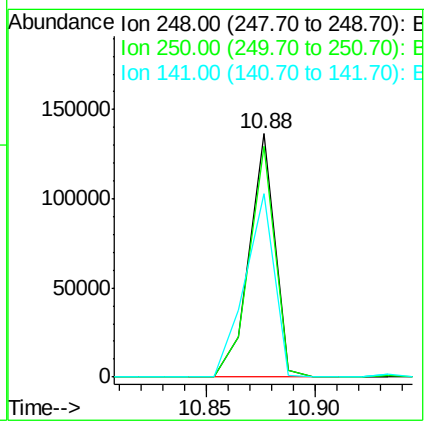
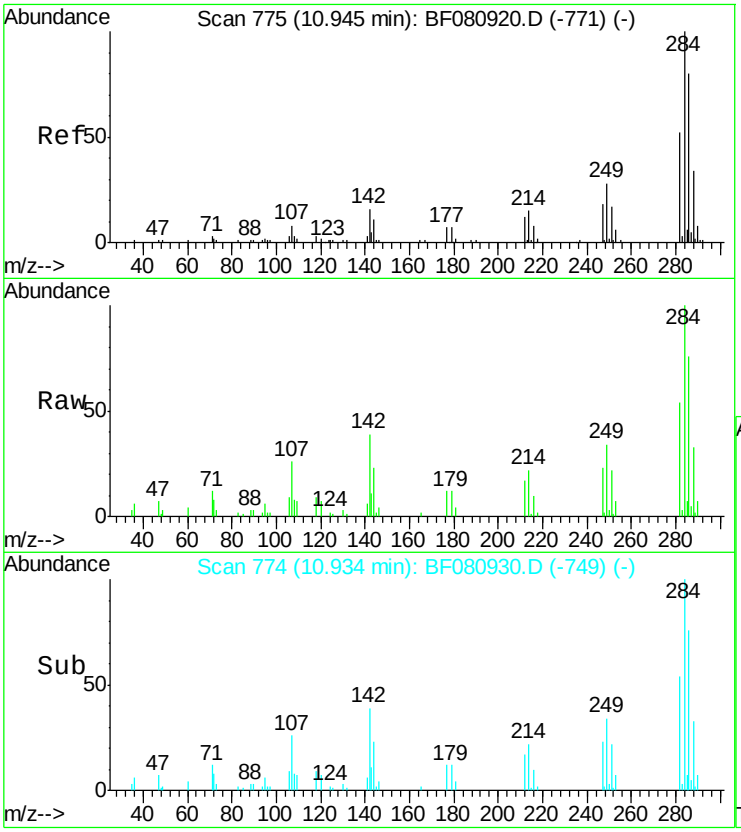



#66
4-Bromophenyl-phenylether
Concen: 32.42 ng
RT: 10.88 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:248 Resp: 111881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.0 | 78.1 | 117.1 |
| 141 | 75.6 | 69.6 | 104.4 |

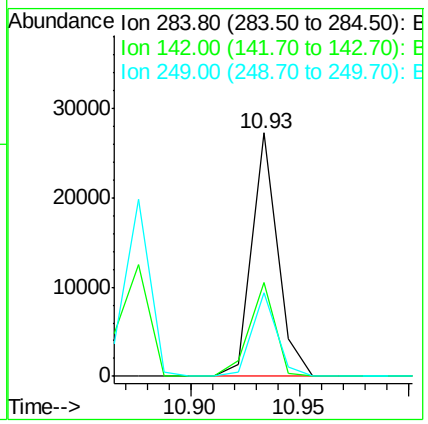





#67
Hexachlorobenzene
Concen: 5.87 ng
RT: 10.93 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:284 Resp: 22508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 38.5 | 12.8 | 19.2# |
| 249 | 34.2 | 22.5 | 33.7# |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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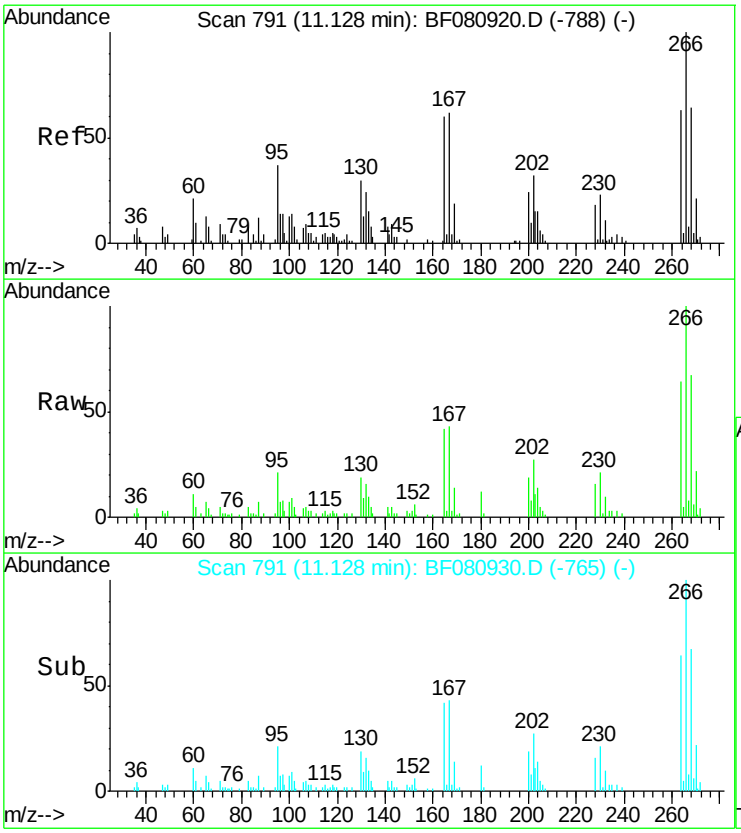
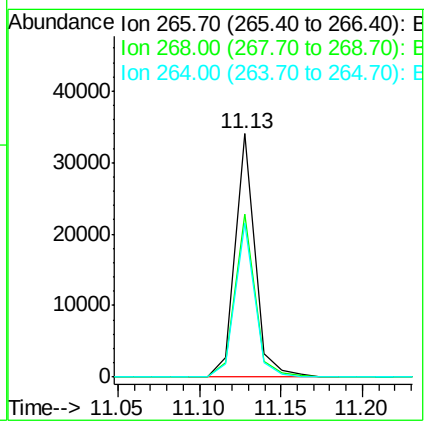
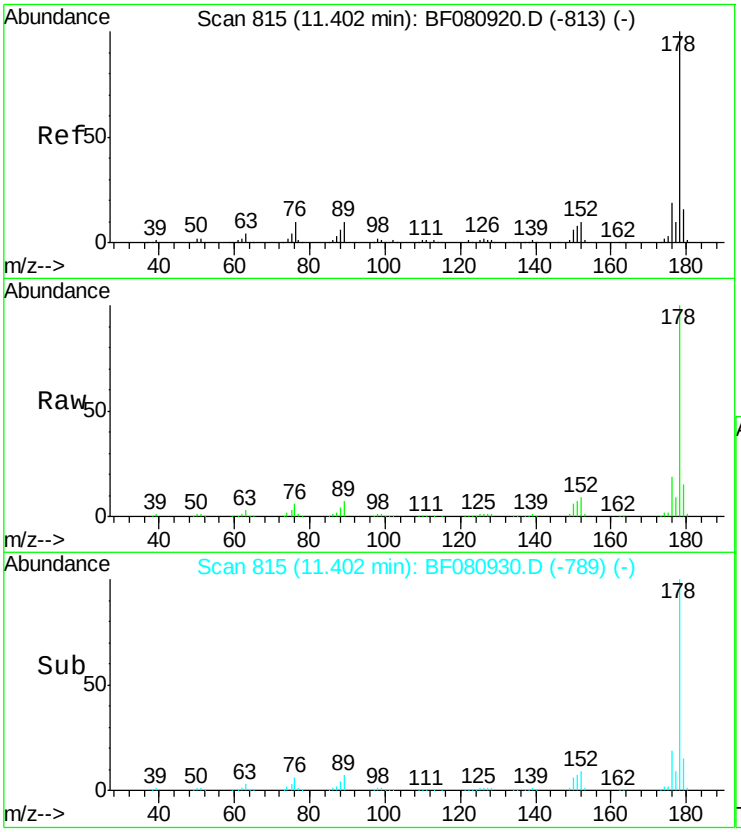



#69
Pentachlorophenol
Concen: 12.79 ng
RT: 11.13 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:266 Resp: 28520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.7 | 51.6 | 77.4 |
| 264 | 63.5 | 50.1 | 75.1 |

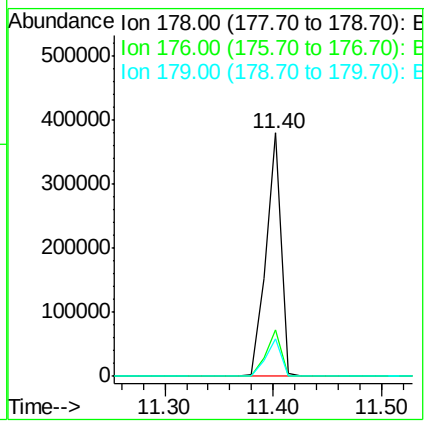





#71
Anthracene
Concen: 20.34 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:178 Resp: 371465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.5 | 23.3 |
| 179 | 15.3 | 12.6 | 18.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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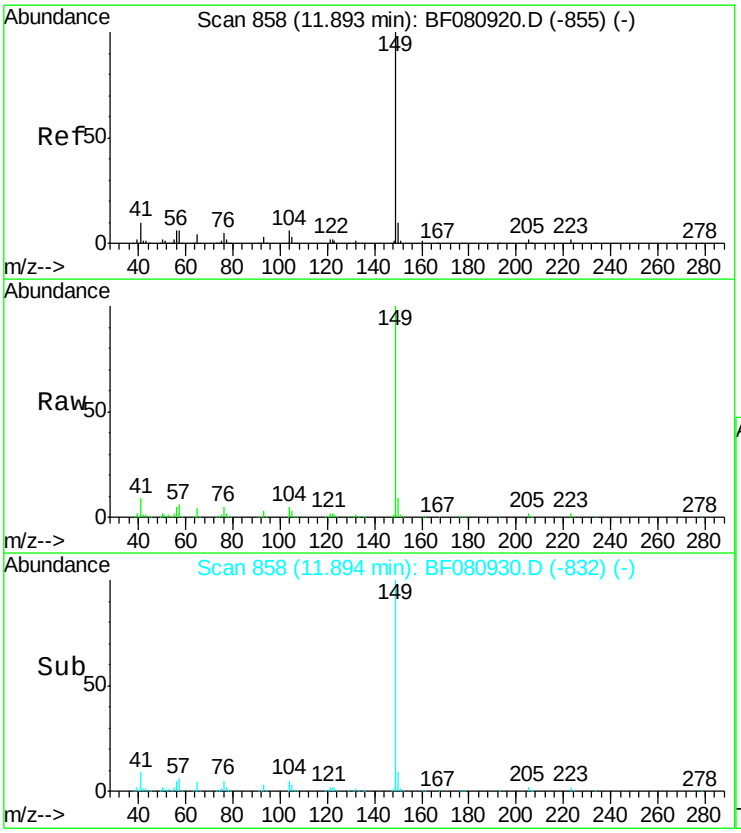
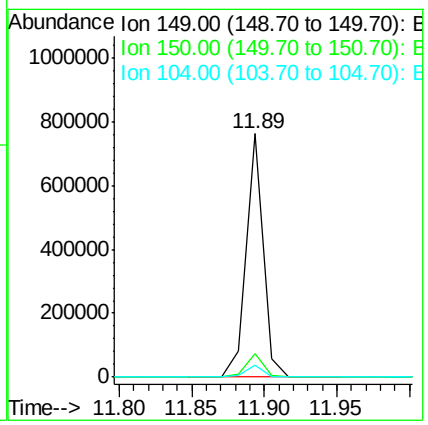
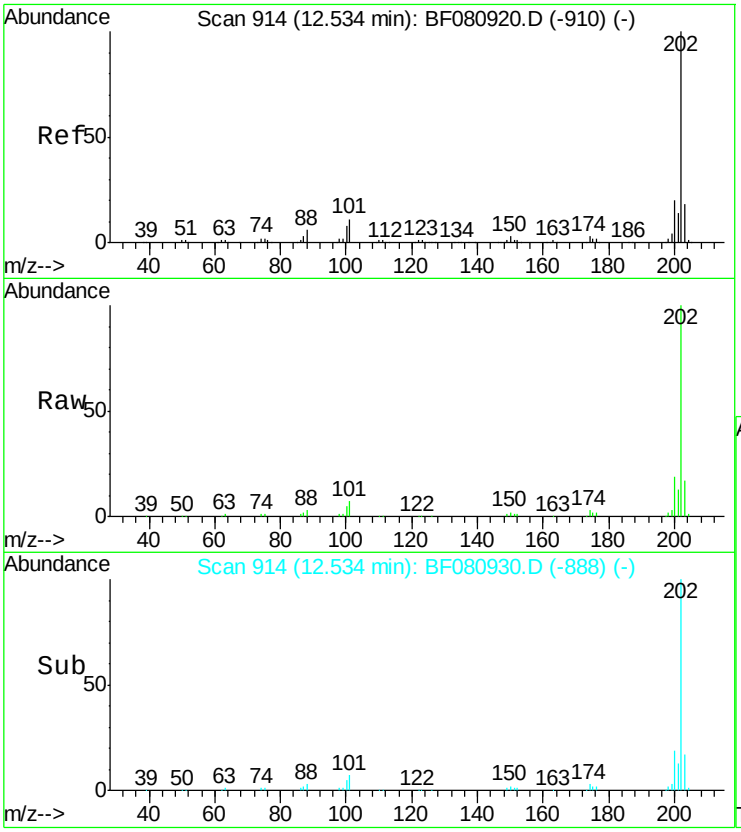



#73
Di-n-butylphthalate
Concen: 27.92 ng
RT: 11.89 min Scan# 858
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:149 Resp: 620754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 5.2 | 4.4 | 6.6 |

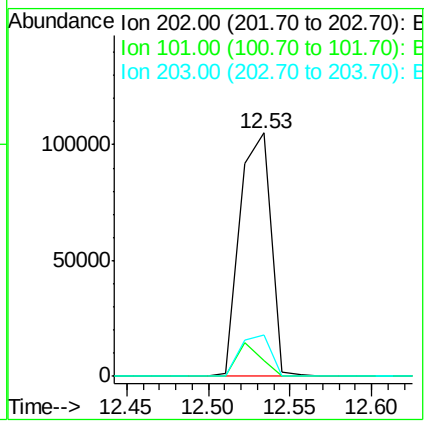





#74
Fluoranthene
Concen: 6.88 ng
RT: 12.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:202 Resp: 137236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.5 | 0.0 | 30.5 |
| 203 | 17.0 | 0.0 | 37.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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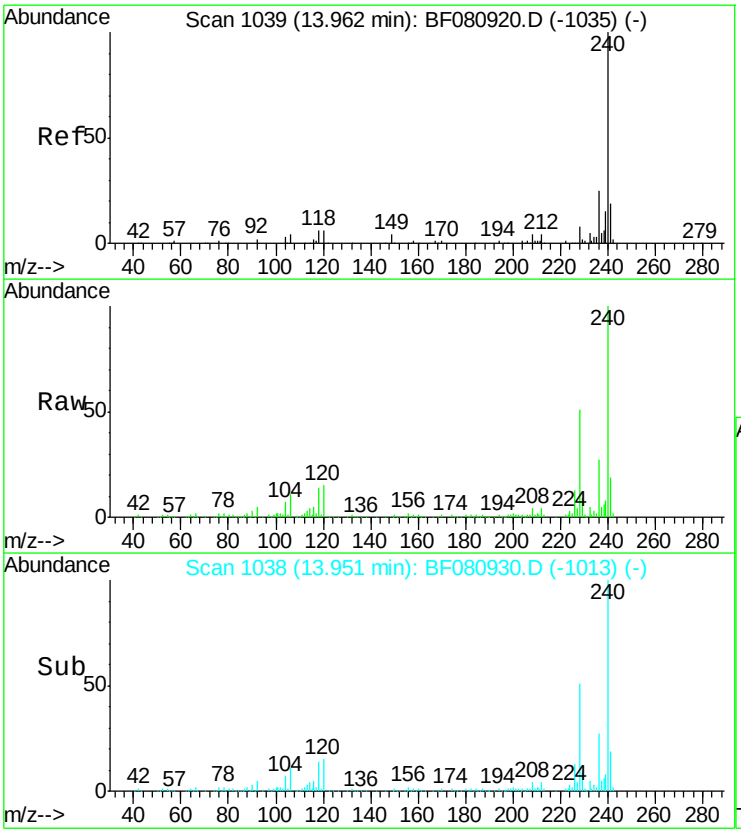
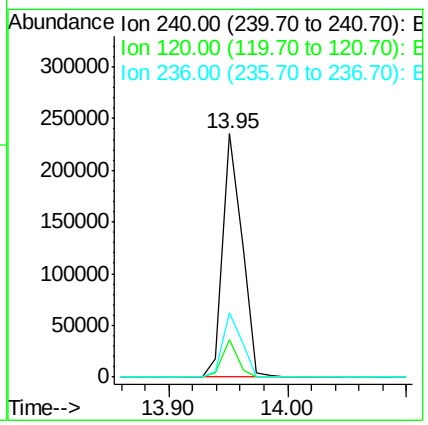
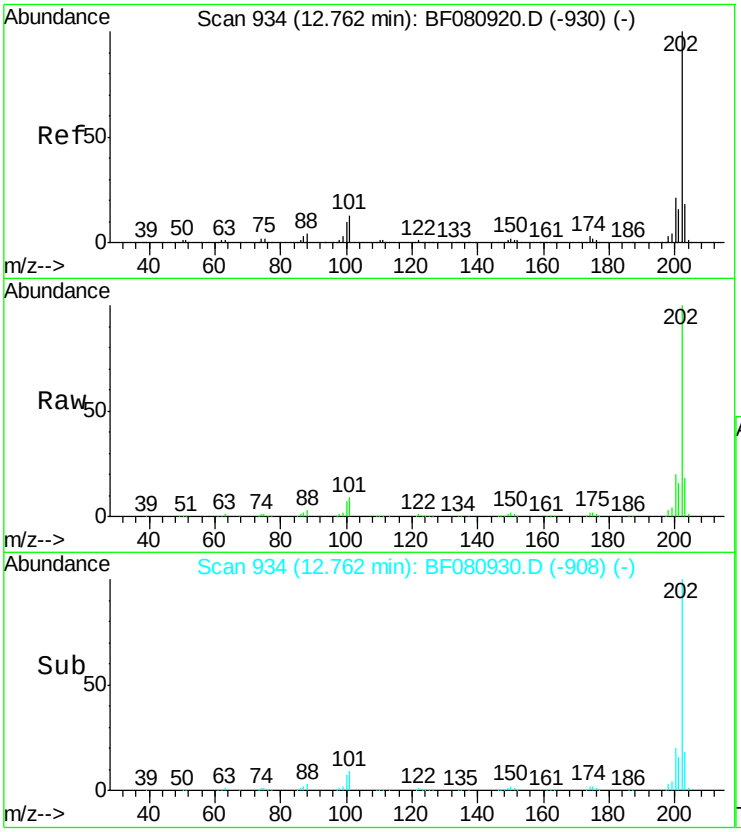



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:240 Resp: 263035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.2 | 5.2 | 7.8# |
| 236 | 26.6 | 20.2 | 30.4 |

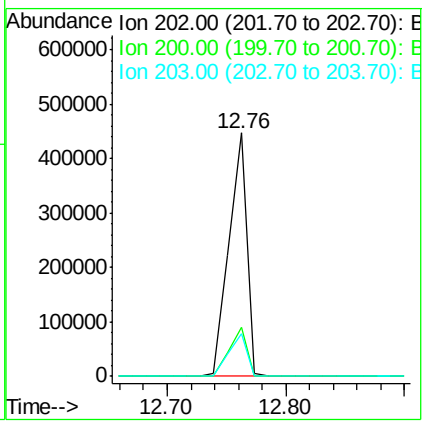





#77
Pyrene
Concen: 24.09 ng
RT: 12.76 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:202 Resp: 468098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.6 | 24.8 |
| 203 | 17.6 | 14.2 | 21.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
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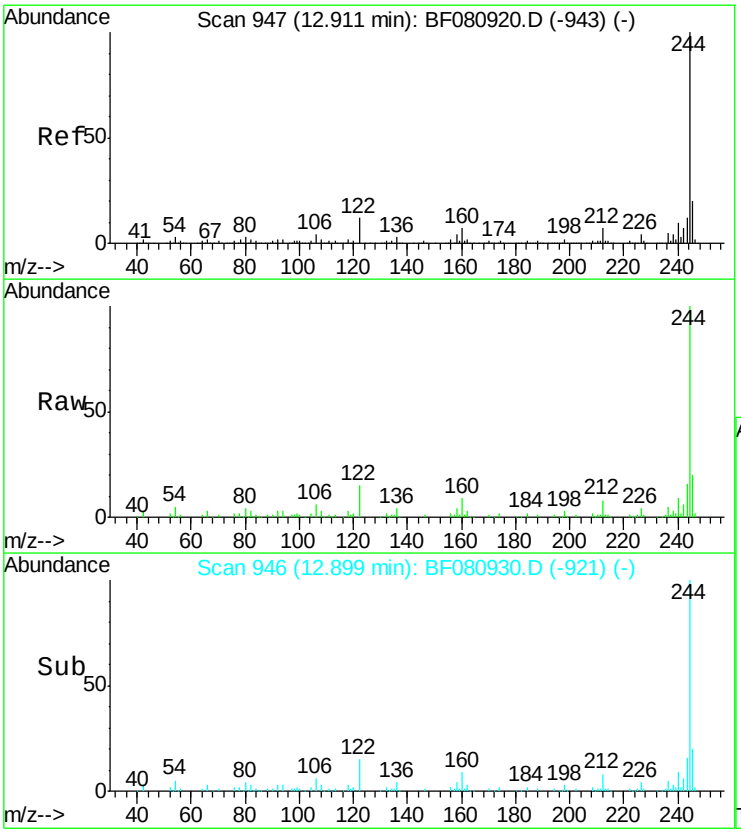
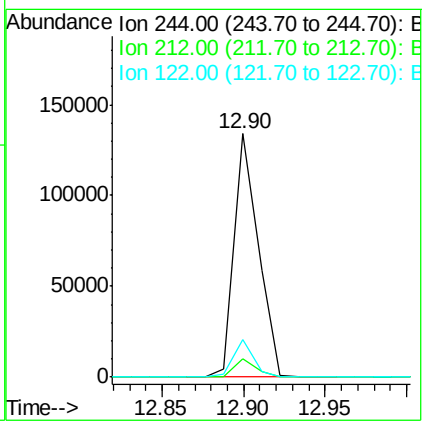
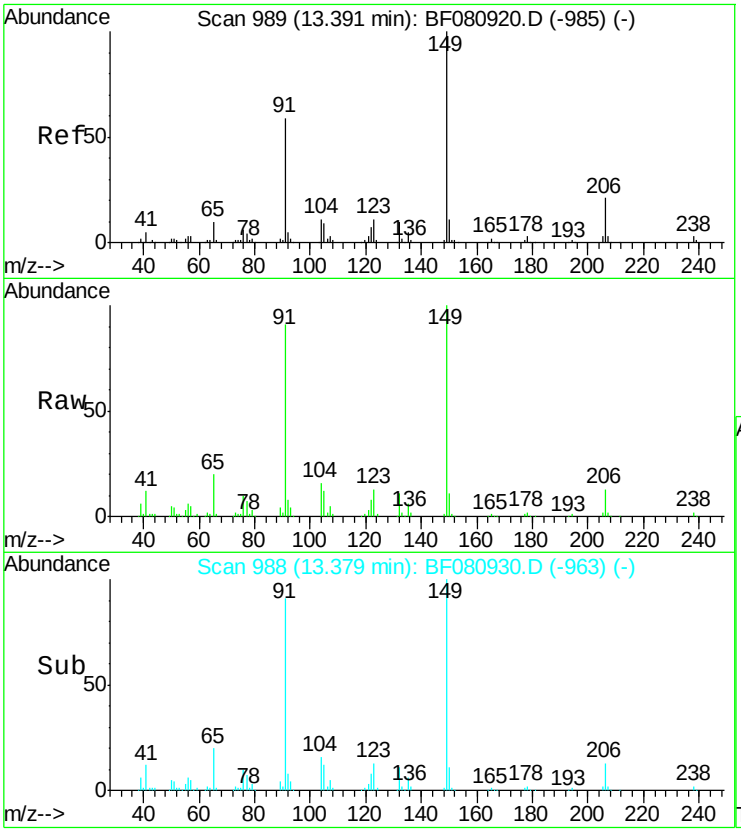



#78
Terphenyl-d14
Concen: 10.70 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:244 Resp: 136200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 5.8 | 8.8 |
| 122 | 15.4 | 9.4 | 14.2# |

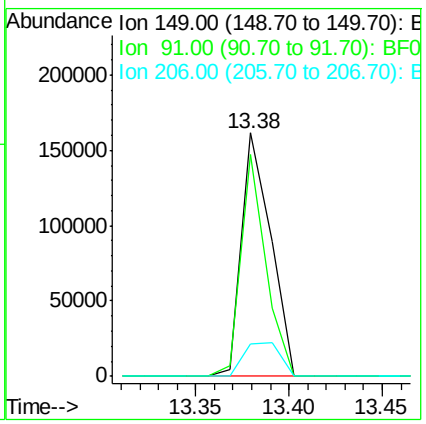





#79
Butylbenzylphthalate
Concen: 18.77 ng
RT: 13.38 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:149 Resp: 175865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 91.3 | 47.2 | 70.8# |
| 206 | 13.3 | 16.5 | 24.7# |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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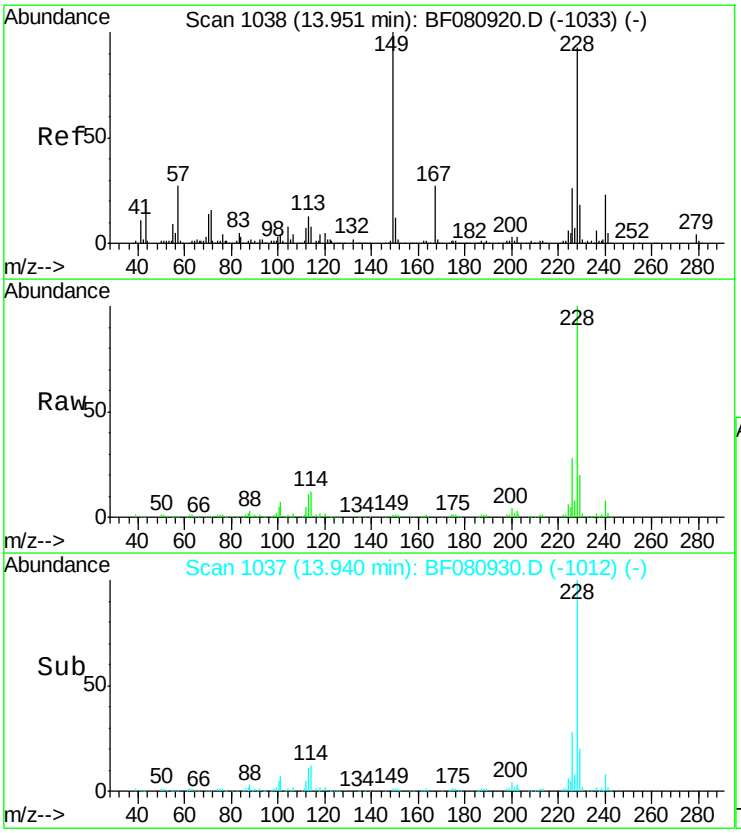
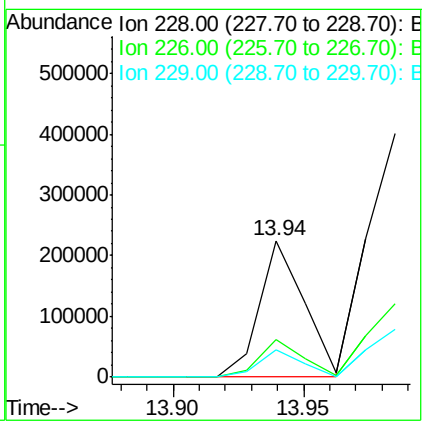
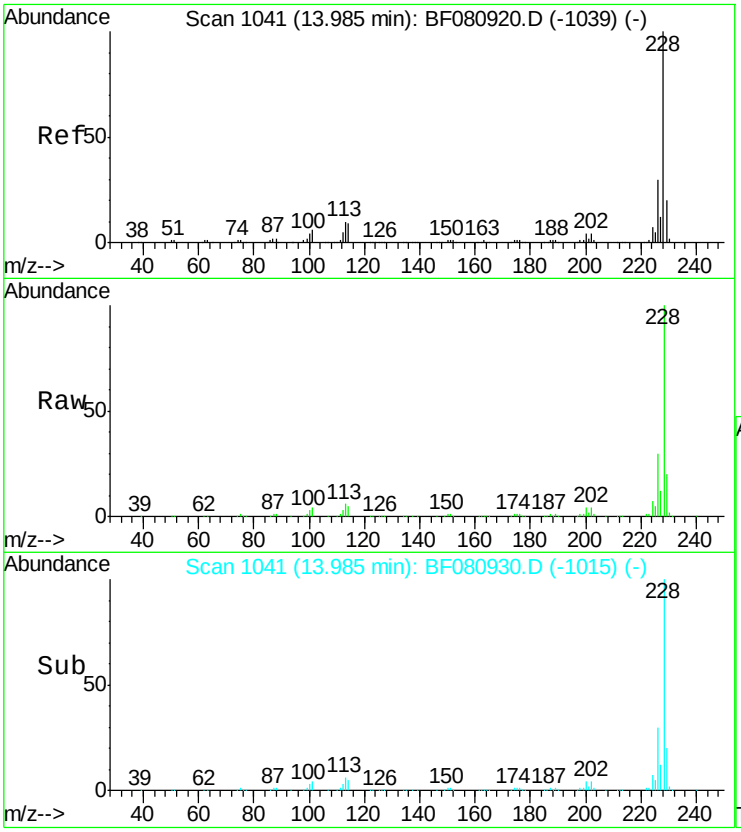



#80
Benzo(a)anthracene
Concen: 16.17 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:228 Resp: 268696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 22.2 | 33.2 |
| 229 | 19.6 | 15.8 | 23.6 |

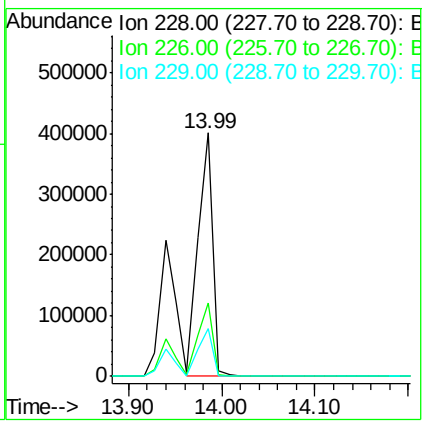





#82
Chrysene
Concen: 27.81 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:228 Resp: 442467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 23.9 | 35.9 |
| 229 | 19.6 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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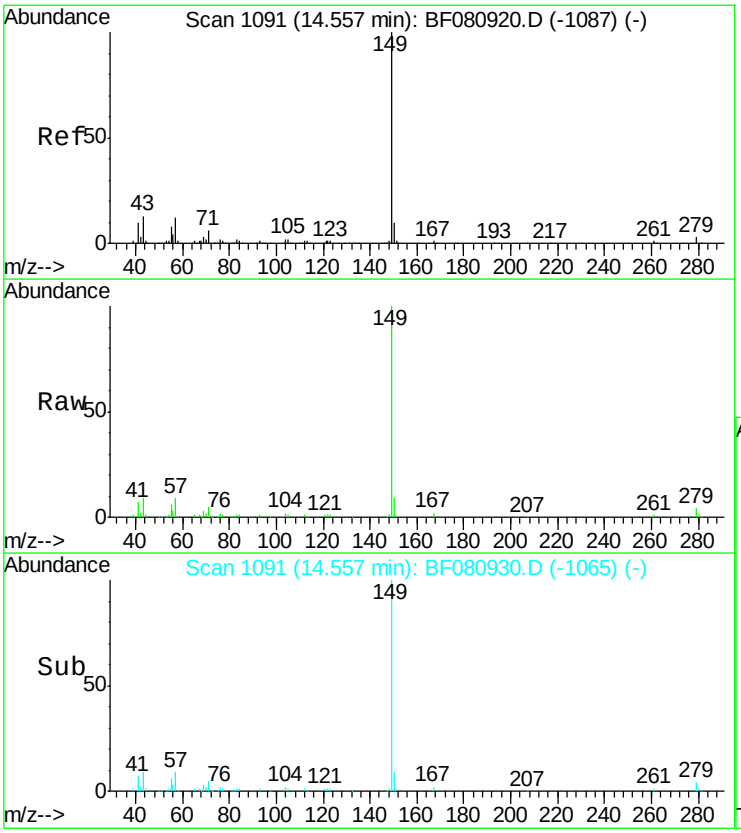
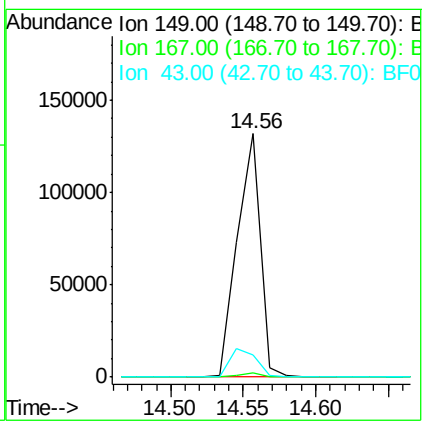
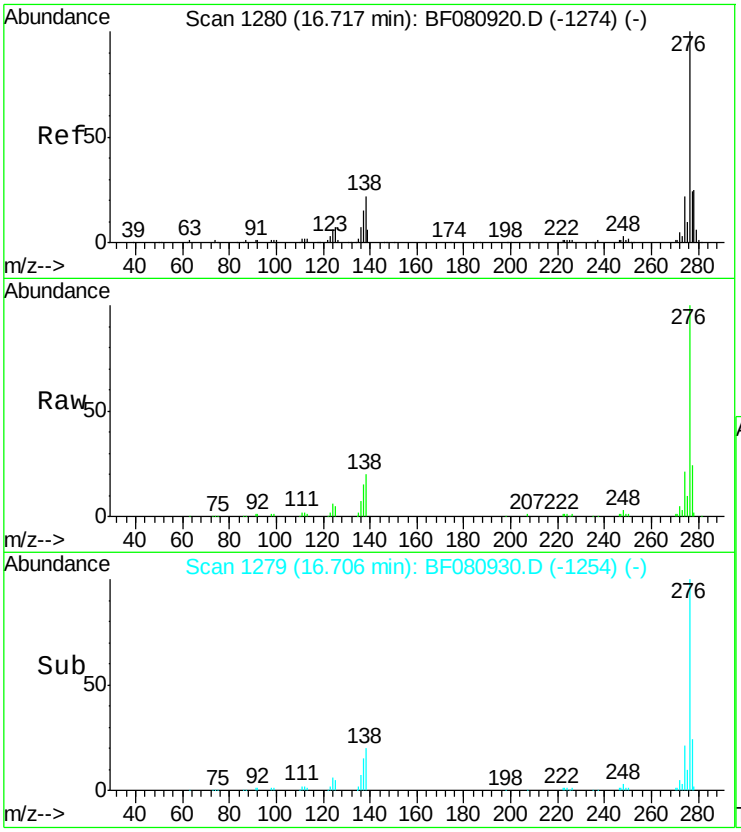



#84
Di-n-octyl phthalate
Concen: 6.56 ng
RT: 14.56 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:149 Resp: 144879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 13.8 | 11.0 | 16.4 |

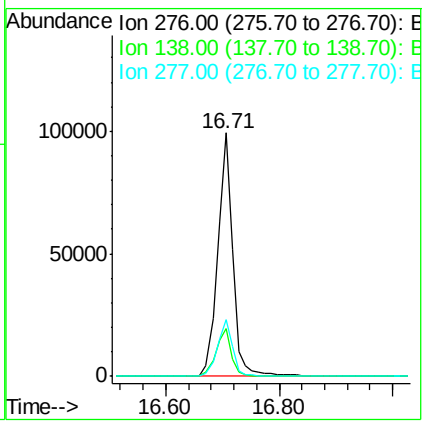





#85
Indeno(1,2,3-cd)pyrene
Concen: 12.14 ng
RT: 16.71 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:276 Resp: 183846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.4 | 19.9 | 29.9# |
| 277 | 23.1 | 19.7 | 29.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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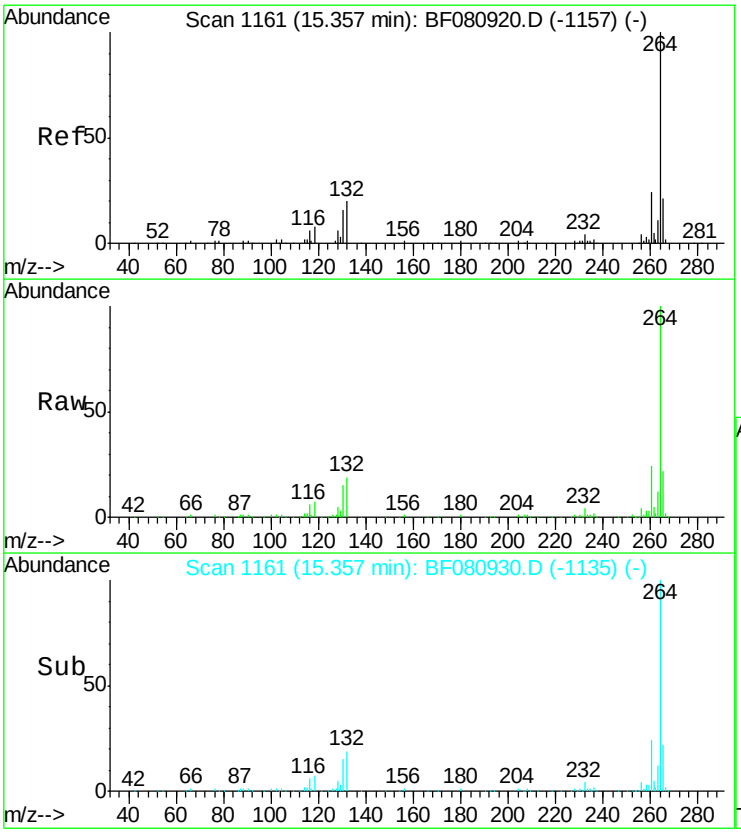
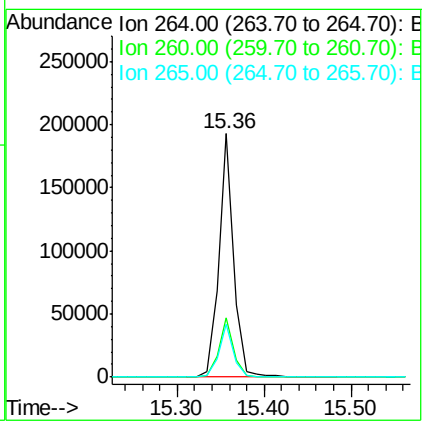
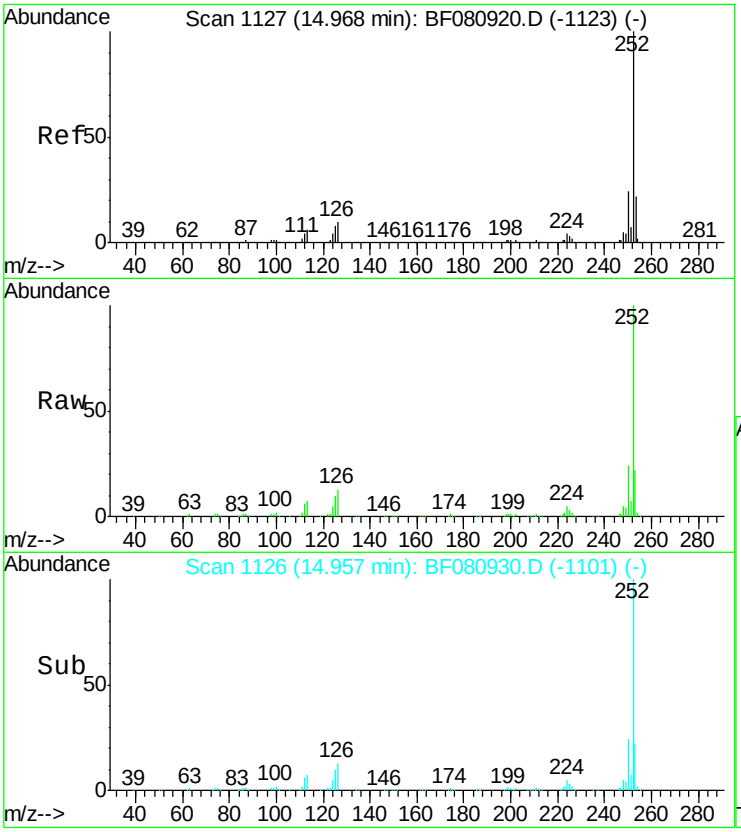



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:264 Resp: 227880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.4 | 29.0 |
| 265 | 21.6 | 17.0 | 25.4 |

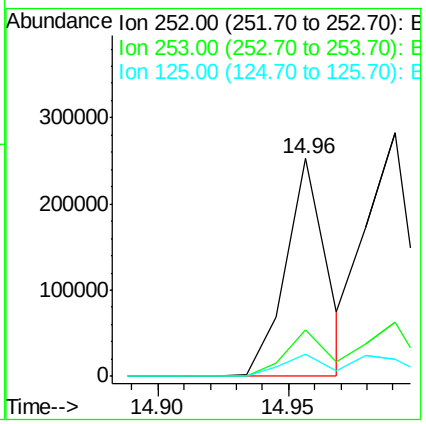





#87
Benzo(b)fluoranthene
Concen: 17.20 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:252 Resp: 272625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.6 | 26.4 |
| 125 | 10.4 | 6.1 | 9.1# |




**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

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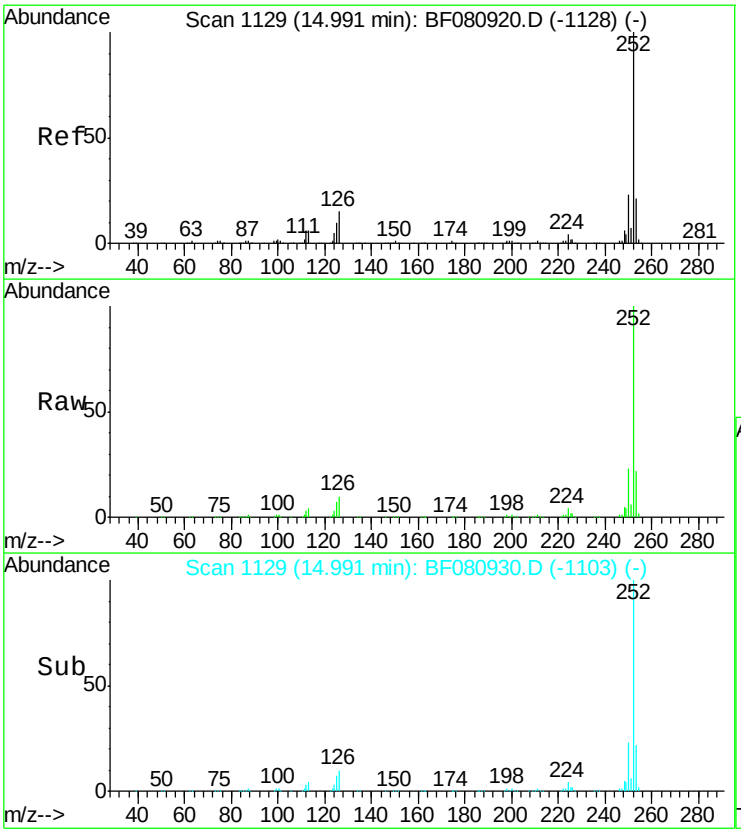
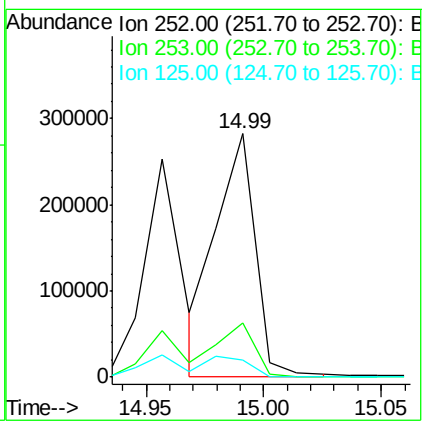
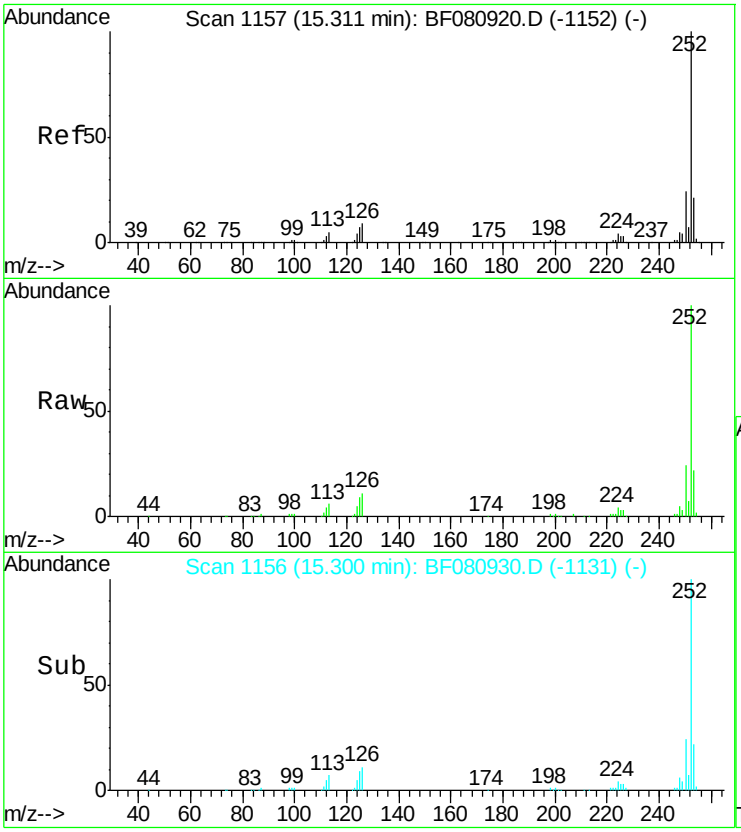



#88
Benzo(k)fluoranthene
Concen: 23.77 ng m
RT: 14.99 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:252 Resp: 329529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.4 | 26.2 |
| 125 | 7.0 | 9.0 | 13.6# |





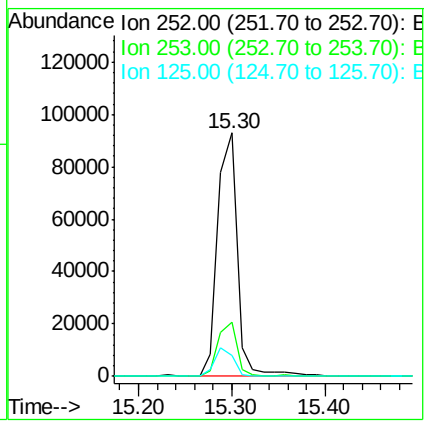

#89
Benzo(a)pyrene
Concen: 10.07 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

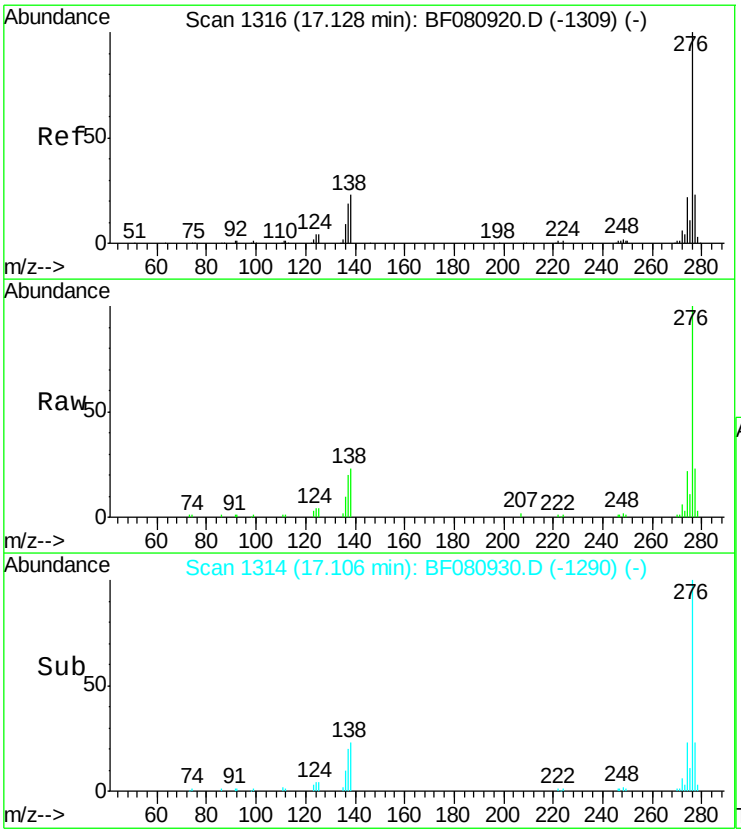
Tgt Ion:252 Resp: 137195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 16.9 | 25.3 |
| 125 | 8.8 | 5.8 | 8.8# |

**Instrument :**
BNA_F
**ClientSampleId :**
8524DL

**Manual Integrations APPROVED**
MMDadoda
8/10/2015 7:19:09 PM




#91
Benzo(g,h,i)perylene
Concen: 11.96 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:276 Resp: 140154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 18.6 | 28.0 |
| 138 | 22.8 | 18.4 | 27.6 |