Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
Data File : BE091846.D
Acq On : 23 May 2016 14:22
Operator : UM/SJ
Sample : PB90761BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

**Manual Integrations APPROVED**
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Quant Time: May 24 03:12:50 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 22786 | 5.00 | ng | | -0.02 |
| 7) Naphthalene-d8 | 10.55 | 136 | 112359 | 5.00 | ng | | -0.02 |
| 13) Acenaphthene-d10 | 14.41 | 164 | 79185 | 5.00 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.14 | 188 | 251139 | 5.00 | ng | | -0.01 |
| 26) Chrysene-d12 | 21.29 | 240 | 311317 | 5.00 | ng | | -0.02 |
| 35) Perylene-d12 | 23.73 | 264 | 267150 | 5.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.39 | 112 | 38205 | 6.42 | ng | | 0.00 |
| 5) Phenol-d6 | 6.96 | 99 | 55630 | 6.63 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.93 | 82 | 27788 | 3.73 | ng | | -0.01 |
| 14) 2,4,6-Tribromophenol | 15.89 | 330 | 25492 | 8.29 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.02 | 172 | 75260 | 3.36 | ng | | -0.01 |
| 29) Terphenyl-d14 | 19.74 | 244 | 159535 | 3.62 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 8635 | 3.46 | ng | | 98 |
| 3) n-Nitrosodimethylamine | 3.61 | 42 | 12892 | 3.54 | ng | | 96 |
| 6) bis(2-Chloroethyl)ether | 7.20 | 93 | 22147 | 3.29 | ng | # | 77 |
| 9) Nitrobenzene | 8.98 | 77 | 27257 | 3.56 | ng | | 93 |
| 10) Naphthalene | 10.61 | 128 | 75862 | 3.05 | ng | | 98 |
| 11) Hexachlorobutadiene | 10.90 | 225 | 12768 | 3.47 | ng | | 96 |
| 12) 2-Methylnaphthalene | 12.21 | 142 | 57342 | 3.43 | ng | | 99 |
| 16) Acenaphthylene | 14.11 | 152 | 113173 | 3.21 | ng | # | 85 |
| 17) Acenaphthene | 14.46 | 154 | 64203 | 3.02 | ng | | 90 |
| 18) Fluorene | 15.43 | 166 | 91268 | 3.32 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.31 | 248 | 27620 | 2.94 | ng | | 93 |
| 21) Hexachlorobenzene | 16.45 | 284 | 27733 | 2.84 | ng | | 98 |
| 22) Pentachlorophenol | 16.78 | 266 | 22383 | 5.54 | ng | # | 83 |
| 23) Phenanthrene | 17.17 | 178 | 172053 | 3.46 | ng | | 99 |
| 24) Anthracene | 17.26 | 178 | 168681 | 3.09 | ng | | 99 |
| 25) Fluoranthene | 19.19 | 202 | 208489 | 3.12 | ng | | 97 |
| 27) Benzidine | 19.36 | 184 | 118572 | 4.21 | ng | # | 75 |
| 28) Pyrene | 19.53 | 202 | 223939 | 3.28 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.27 | 228 | 281140m | 3.74 | ng | | |
| 31) 3,3'-Dichlorobenzidine | 21.22 | 252 | 67758 | 1.42 | ng | # | 79 |
| 32) Chrysene | 21.31 | 228 | 205597m | 3.20 | ng | | |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 114038 | 2.78 | ng | # | 82 |
| 34) Indeno(1,2,3-cd)pyrene | 26.26 | 276 | 268581 | 3.49 | ng | | 95 |
| 36) Benzo(b)fluoranthene | 22.98 | 252 | 257613 | 3.85 | ng | # | 96 |
| 37) Benzo(k)fluoranthene | 23.02 | 252 | 230281 | 3.37 | ng | # | 97 |
| 38) Benzo(a)pyrene | 23.61 | 252 | 237722 | 3.73 | ng | # | 96 |
| 39) Dibenzo(a,h)anthracene | 26.29 | 278 | 225256 | 3.62 | ng | # | 93 |
| 40) Benzo(g,h,i)perylene | 27.06 | 276 | 226137 | 3.52 | ng | # | 94 |

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

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Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
Data File : BE091846.D
Acq On : 23 May 2016 14:22
Operator : UM/SJ
Sample : PB90761BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 03:12:50 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
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**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

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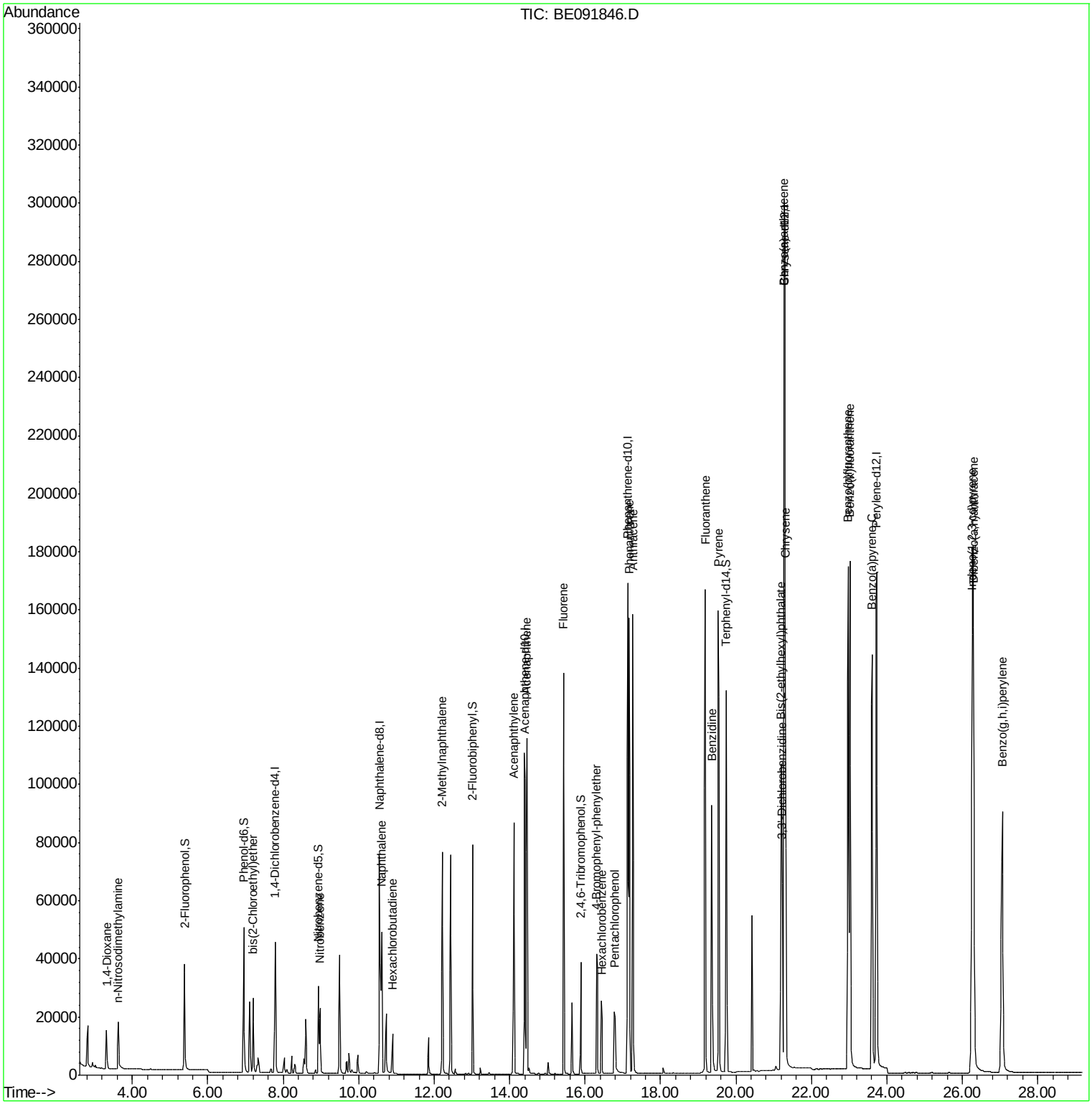
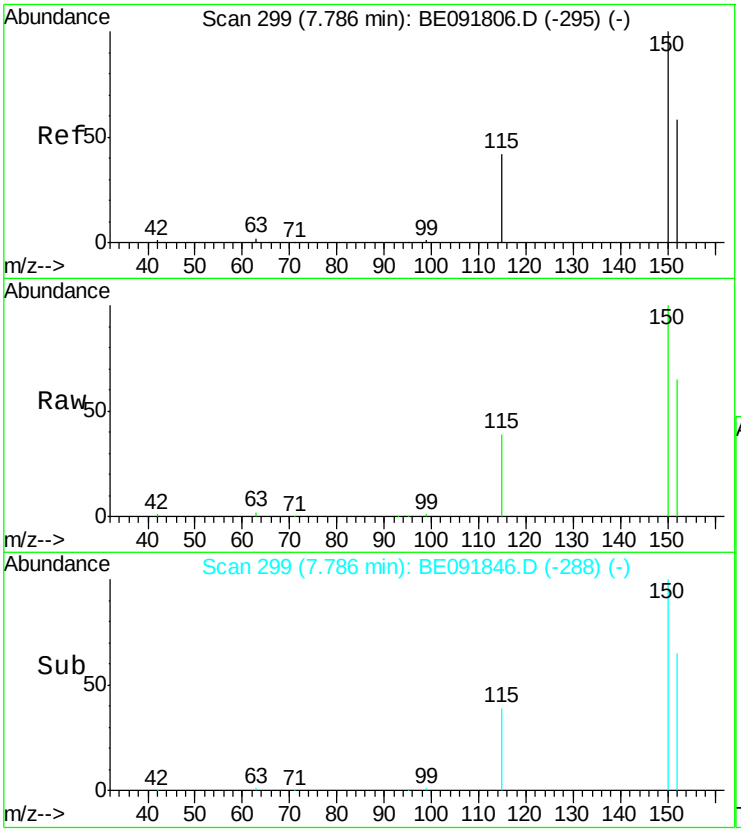
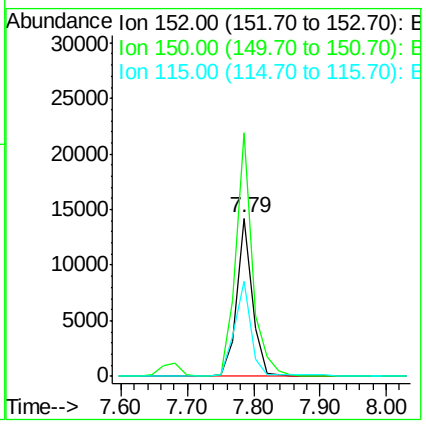





#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:152 Resp: 22786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.8 | 122.6 | 183.8 |
| 115 | 59.7 | 52.8 | 79.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

**Manual Integrations APPROVED**
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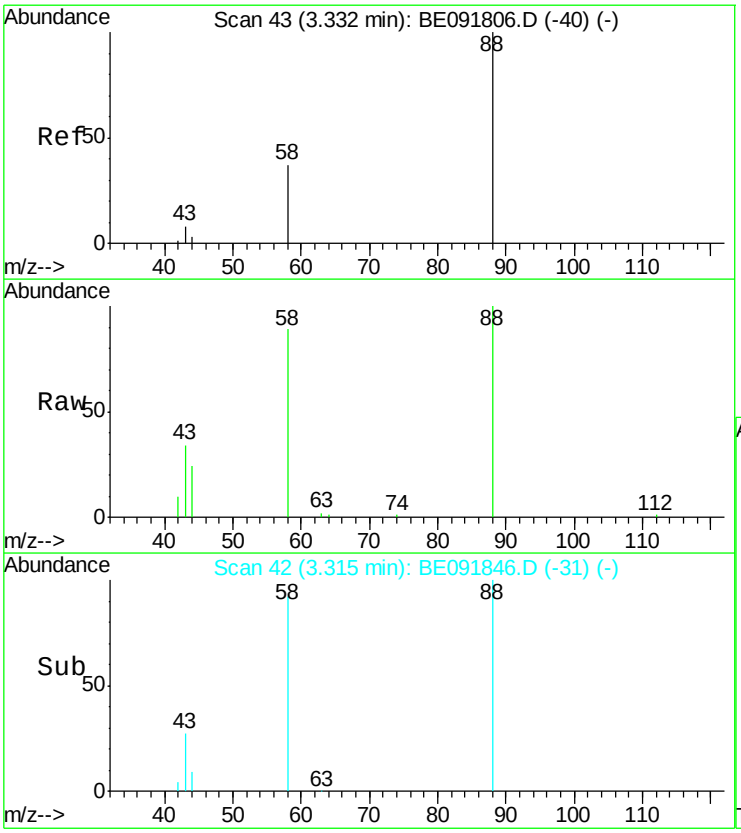
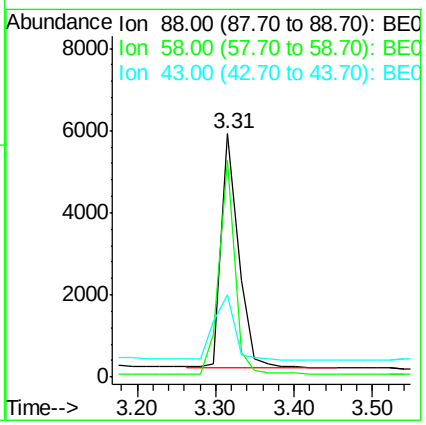
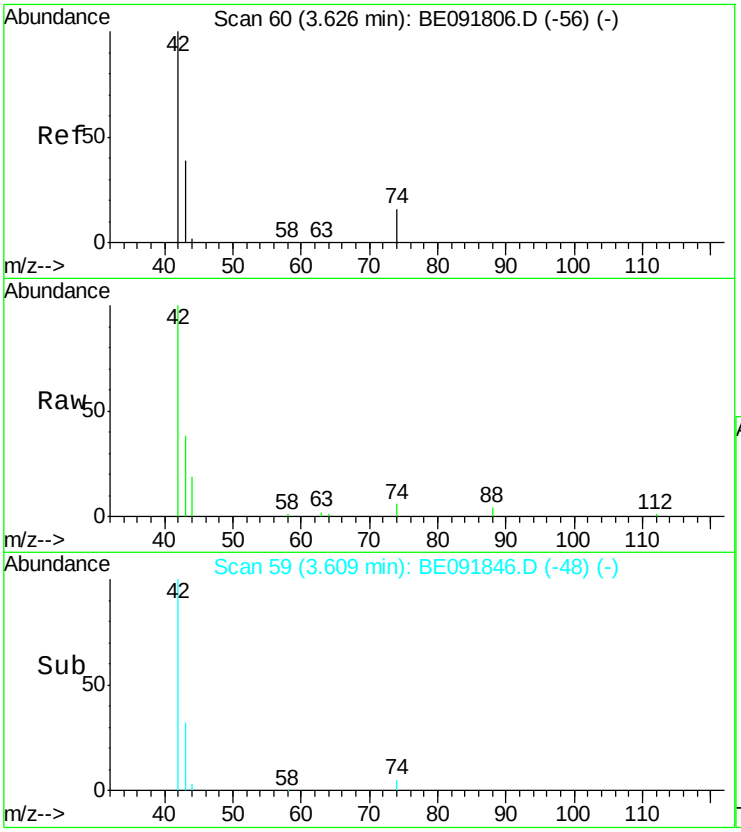



#2
1,4-Dioxane
Concen: 3.46 ng
RT: 3.31 min Scan# 42
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion: 88 Resp: 8635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.0 | 65.8 | 98.6 |
| 43 | 34.3 | 25.3 | 37.9 |

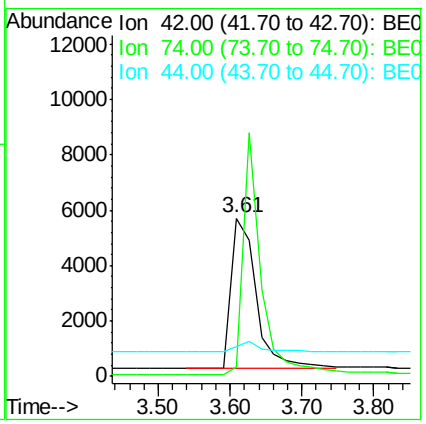





#3
n-Nitrosodimethylamine
Concen: 3.54 ng
RT: 3.61 min Scan# 59
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion: 42 Resp: 12892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 114.3 | 87.9 | 131.9 |
| 44 | 7.0 | 6.6 | 9.8 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

**Manual Integrations APPROVED**
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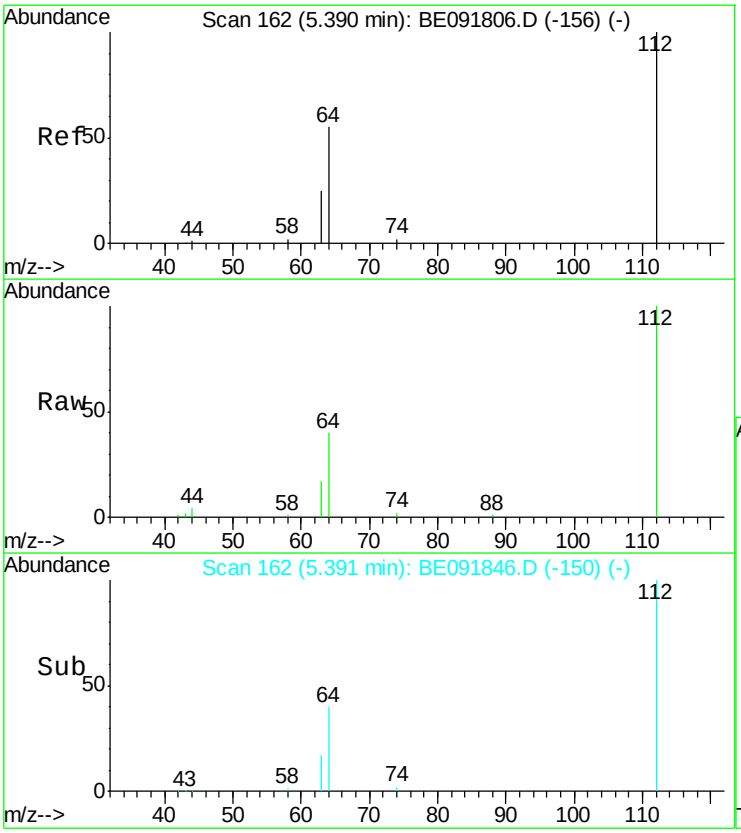
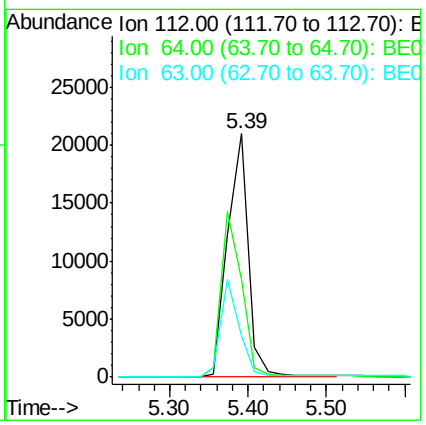
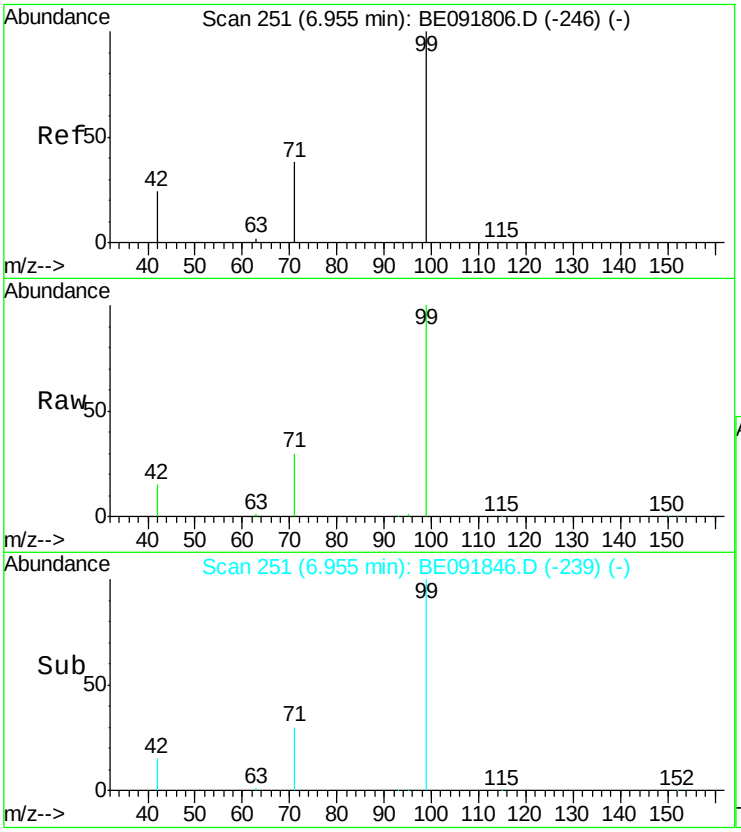



#4
2-Fluorophenol
Concen: 6.42 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:112 Resp: 38205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.3 | 30.9 | 46.3# |
| 63 | 35.8 | 16.7 | 25.1# |

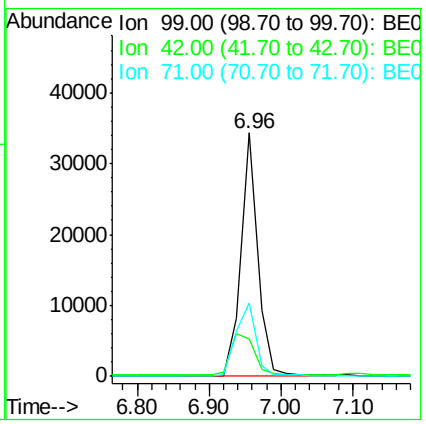





#5
Phenol-d6
Concen: 6.63 ng
RT: 6.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion: 99 Resp: 55630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.1 | 16.2 | 24.2 |
| 71 | 35.1 | 29.0 | 43.4 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

**Manual Integrations APPROVED**
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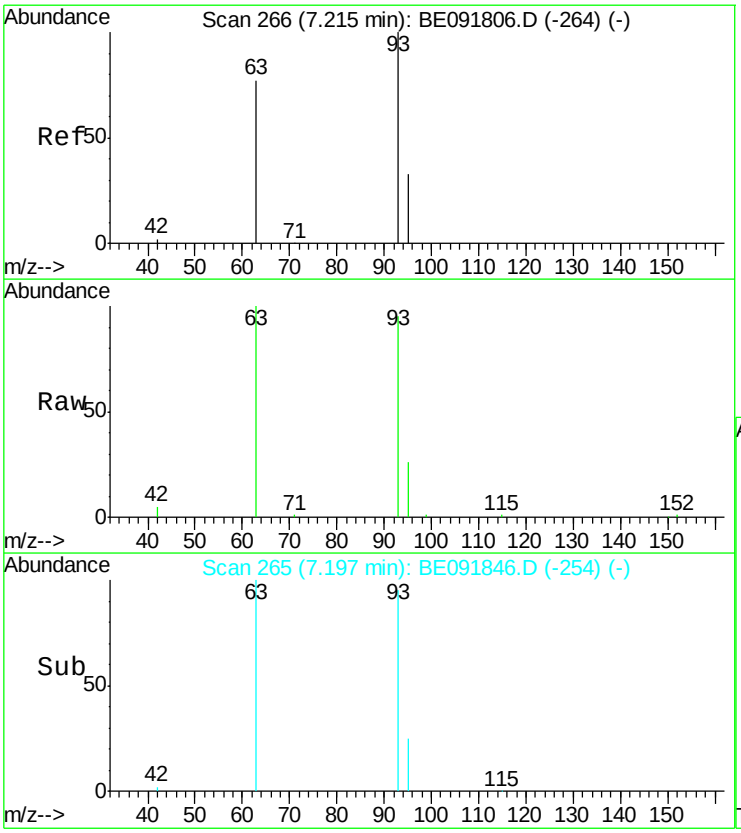
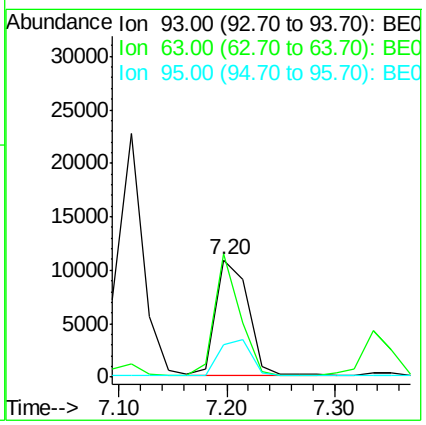
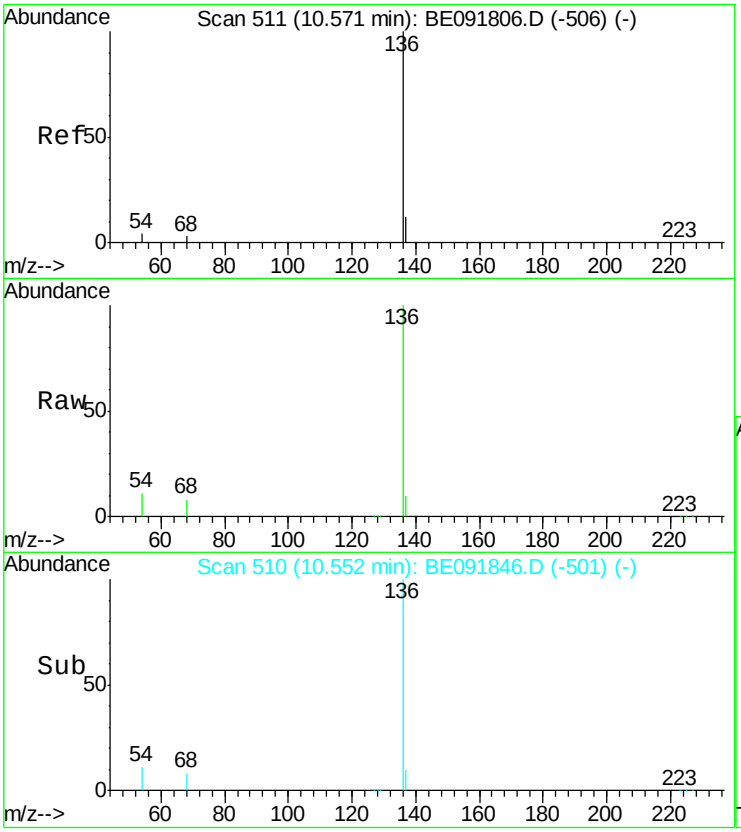



#6
bis(2-Chloroethyl)ether
Concen: 3.29 ng
RT: 7.20 min Scan# 265
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion: 93 Resp: 22147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 85.0 | 49.5 | 74.3# |
| 95 | 32.3 | 22.2 | 33.4 |

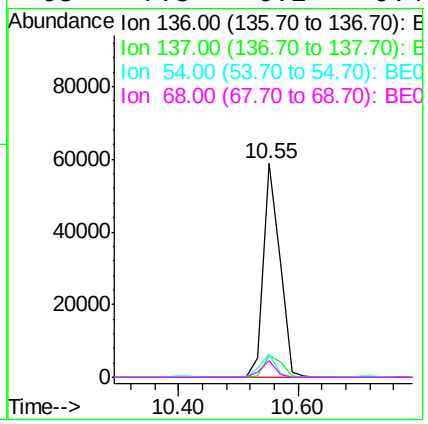





#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:136 Resp: 112359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.2 | 8.9 | 13.3 |
| 54 | 10.7 | 8.2 | 12.4 |
| 68 | 7.8 | 6.2 | 9.4 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

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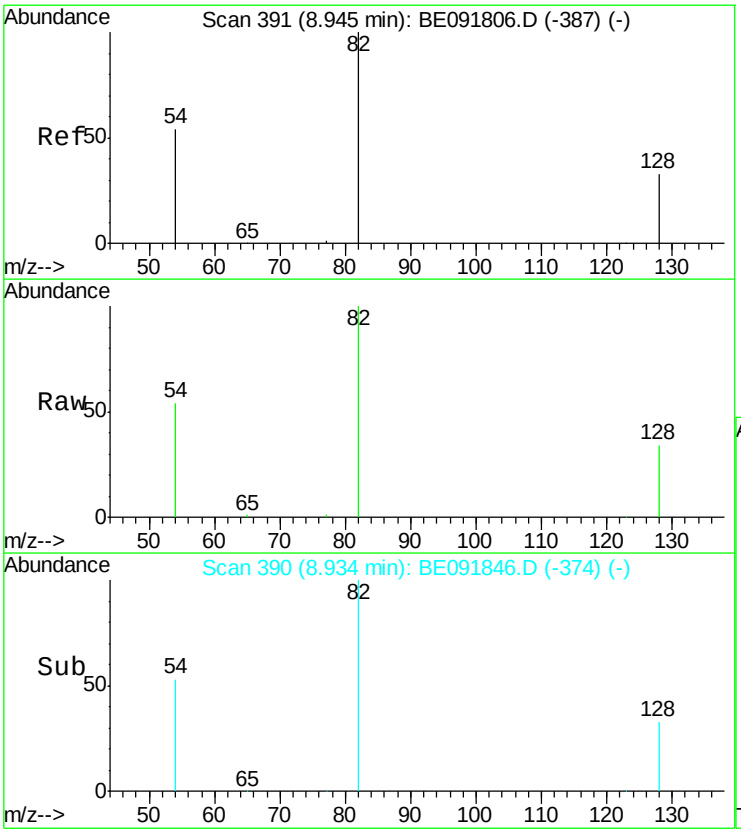
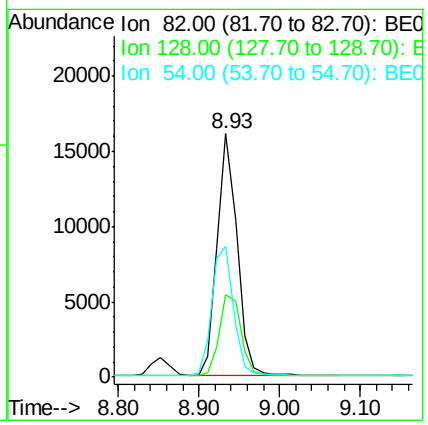
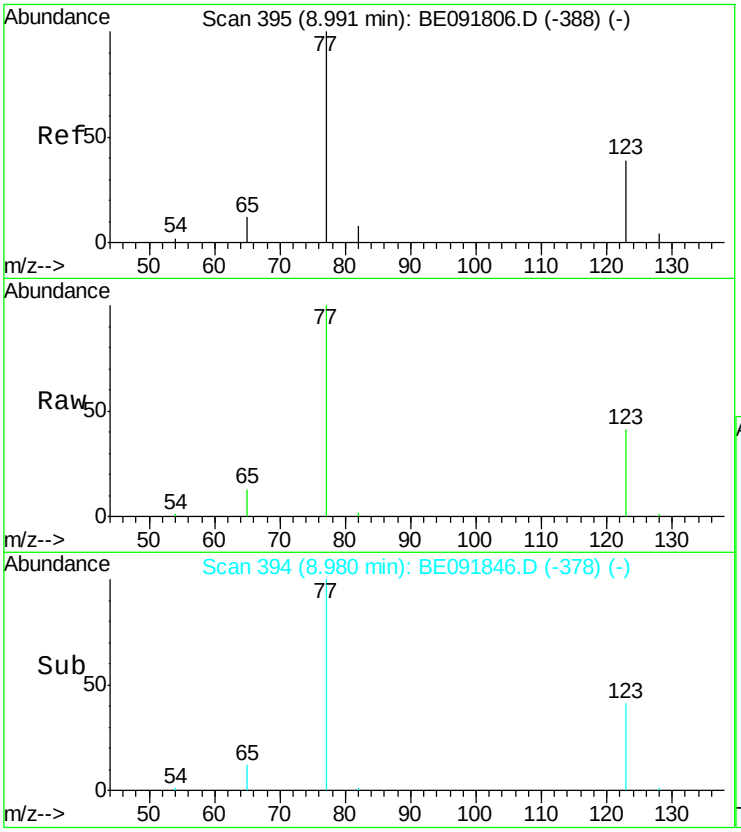



#8
Nitrobenzene-d5
Concen: 3.73 ng
RT: 8.93 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion: 82 Resp: 27788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.8 | 25.4 | 38.0 |
| 54 | 53.7 | 48.4 | 72.6 |

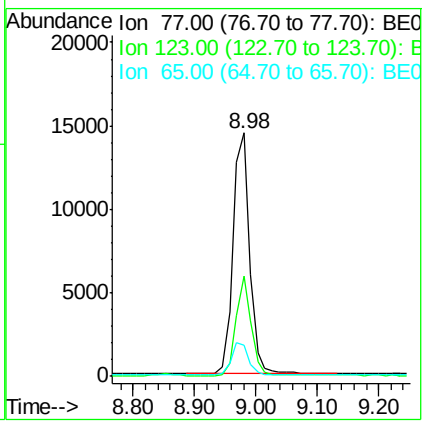





#9
Nitrobenzene
Concen: 3.56 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion: 77 Resp: 27257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 38.0 | 26.9 | 40.3 |
| 65 | 14.0 | 9.4 | 14.2 |

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**ClientSampleId :**
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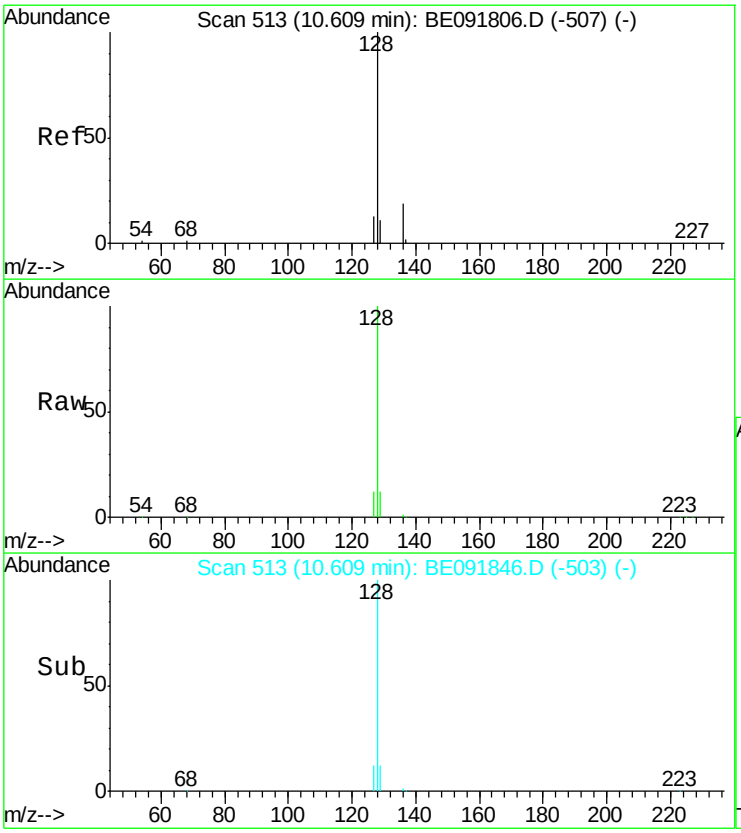
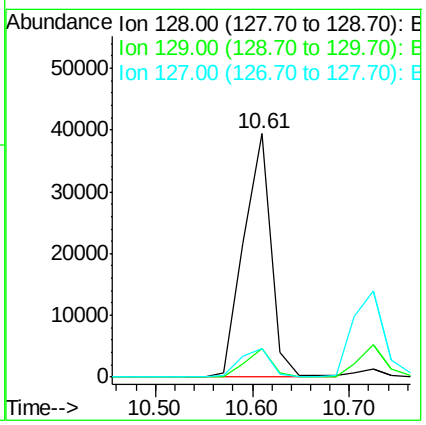
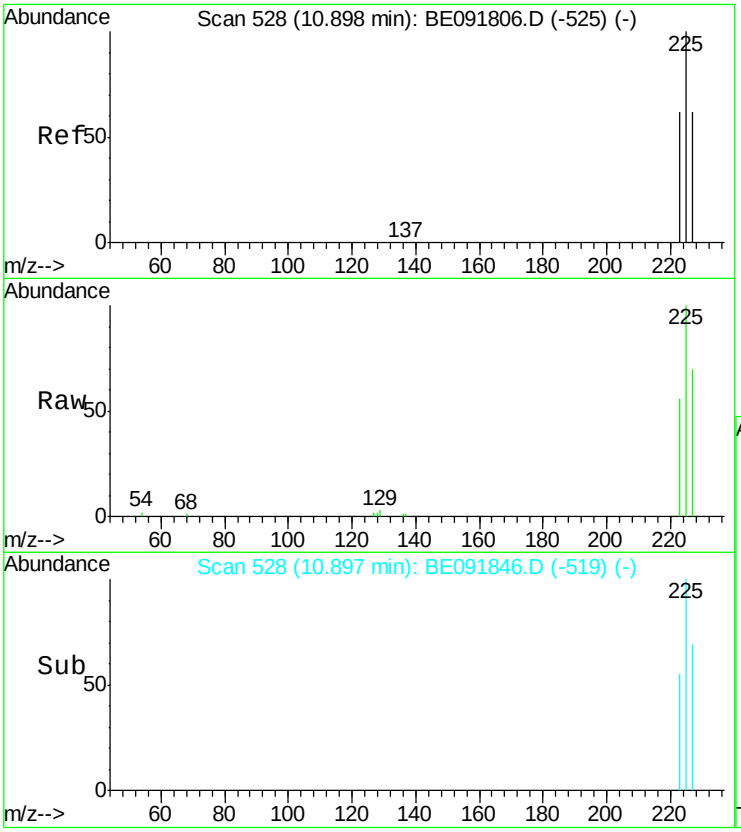



#10
Naphthalene
Concen: 3.05 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:128 Resp: 75862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 9.3 | 13.9 |
| 127 | 11.9 | 10.7 | 16.1 |

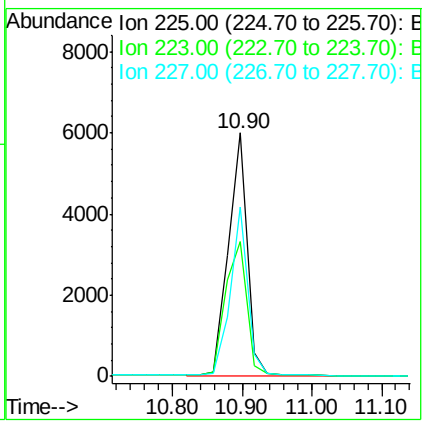





#11
Hexachlorobutadiene
Concen: 3.47 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:225 Resp: 12768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.2 | 49.0 | 73.6 |
| 227 | 66.0 | 50.3 | 75.5 |

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**ClientSampleId :**
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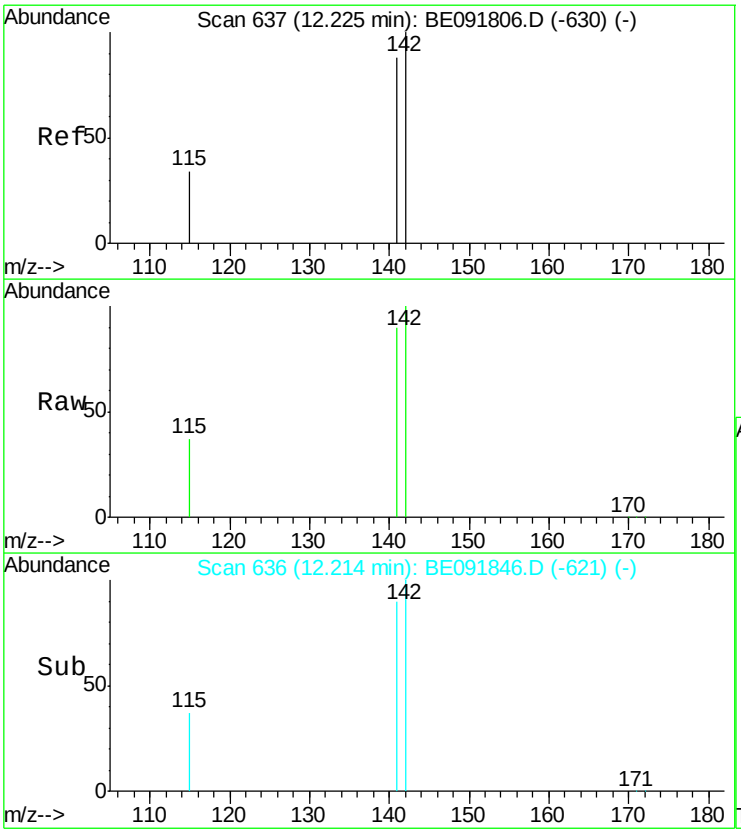
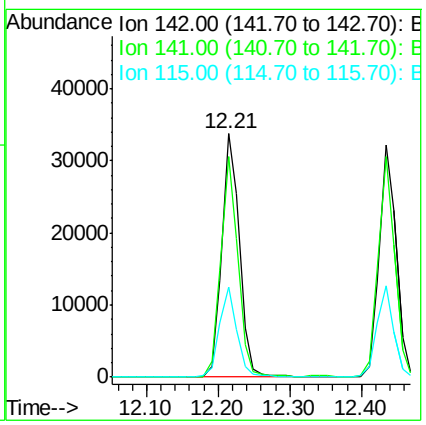
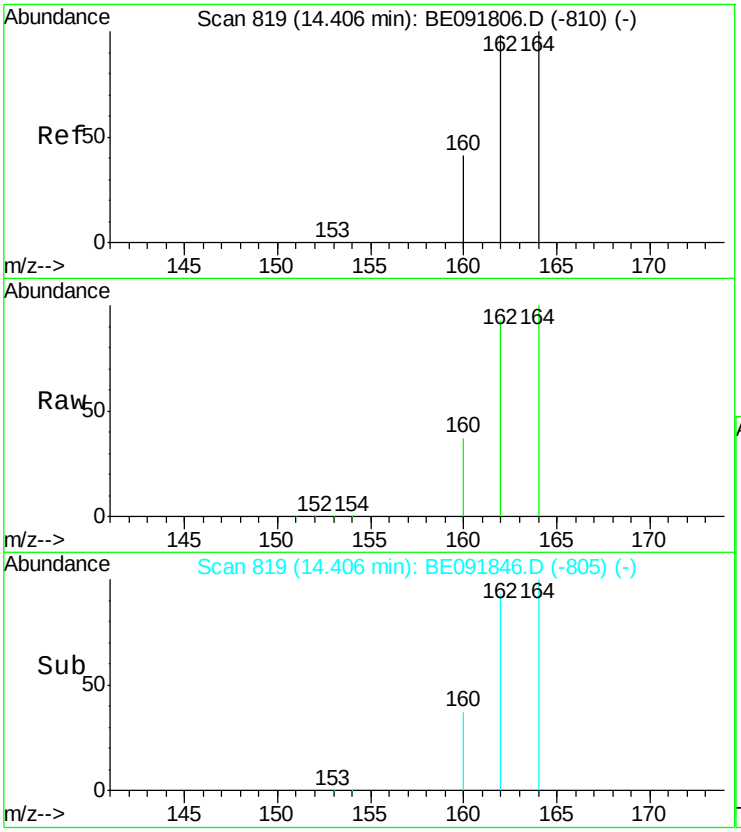



#12
2-Methylnaphthalene
Concen: 3.43 ng
RT: 12.21 min Scan# 636
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:142 Resp: 57342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 71.4 | 107.0 |
| 115 | 36.9 | 30.3 | 45.5 |






#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:164 Resp: 79185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 92.9 | 85.3 | 127.9 |
| 160 | 36.6 | 46.2 | 69.2# |

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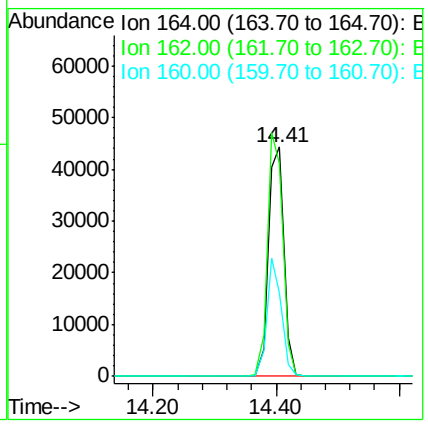
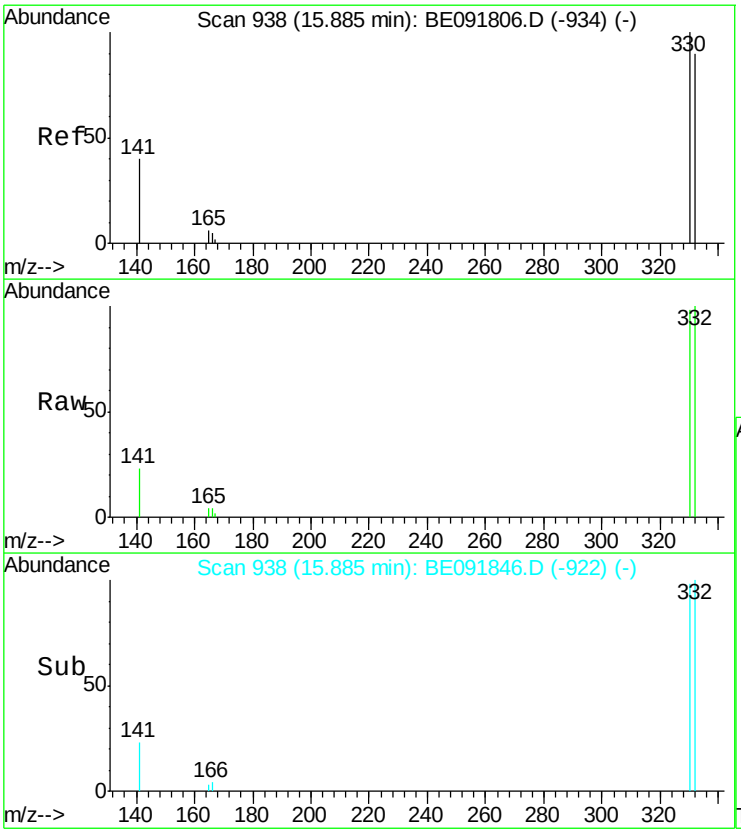
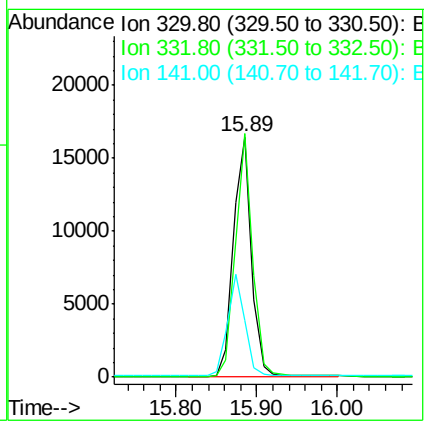


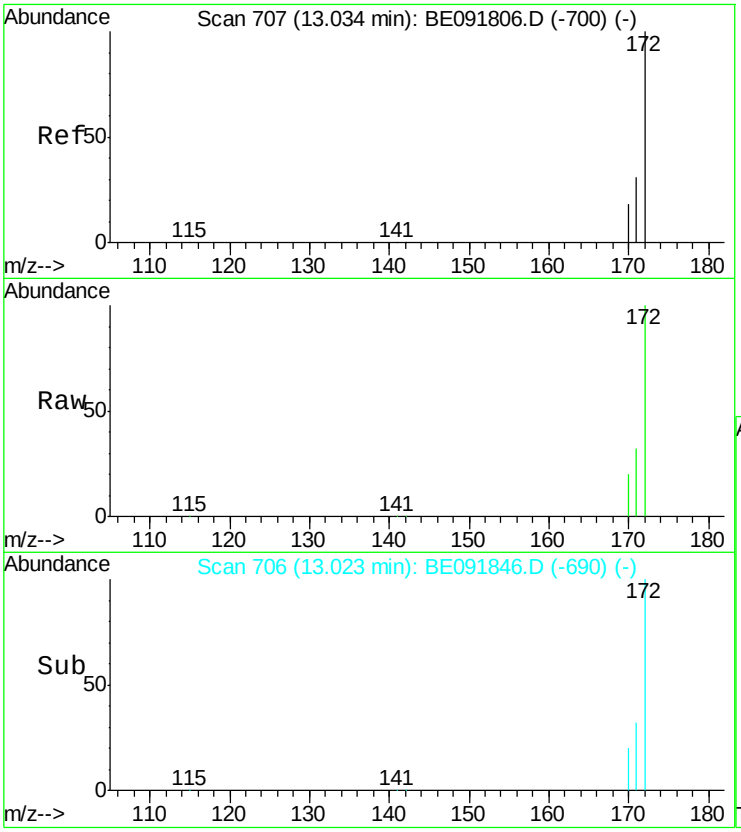




#14
2,4,6-Tribromophenol
Concen: 8.29 ng
RT: 15.89 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:330 Resp: 25492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 79.1 | 118.7 |
| 141 | 40.5 | 125.4 | 188.0# |

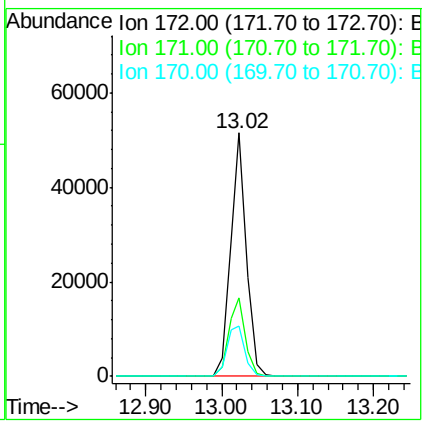





#15
2-Fluorobiphenyl
Concen: 3.36 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:172 Resp: 75260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 32.4 | 28.8 | 43.2 |
| 170 | 20.5 | 19.3 | 28.9 |




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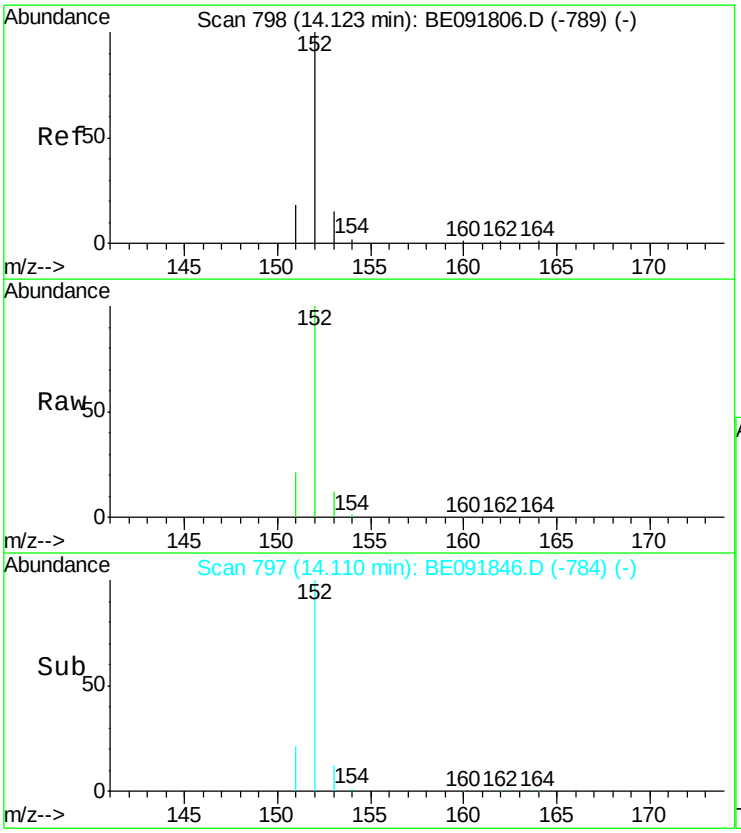
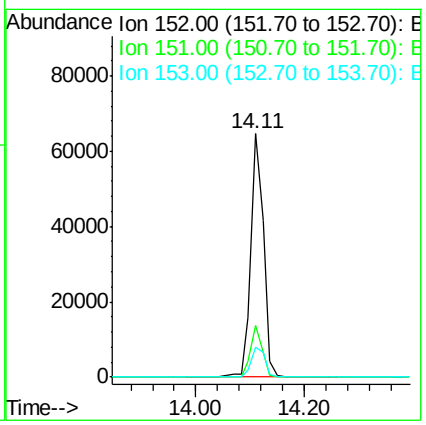
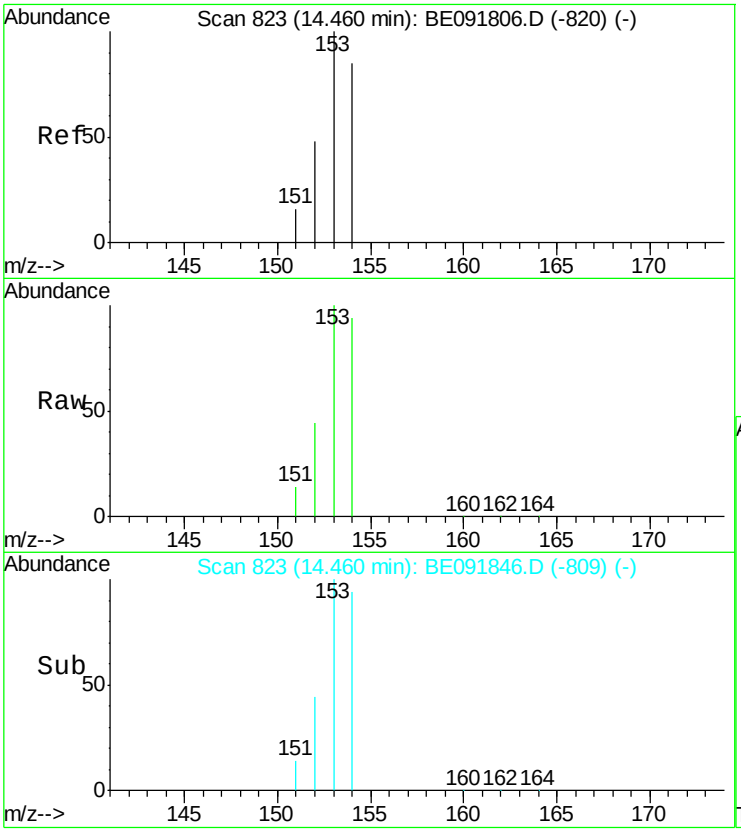



#16
Acenaphthylene
Concen: 3.21 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:152 Resp: 113173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 3.9 | 5.9# |
| 153 | 13.9 | 10.3 | 15.5 |

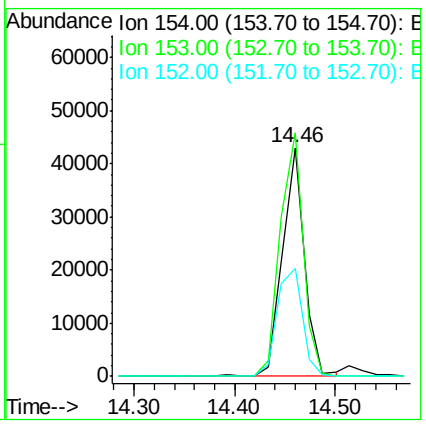





#17
Acenaphthene
Concen: 3.02 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:154 Resp: 64203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 80.0 | 120.0 |
| 152 | 54.5 | 40.0 | 60.0 |




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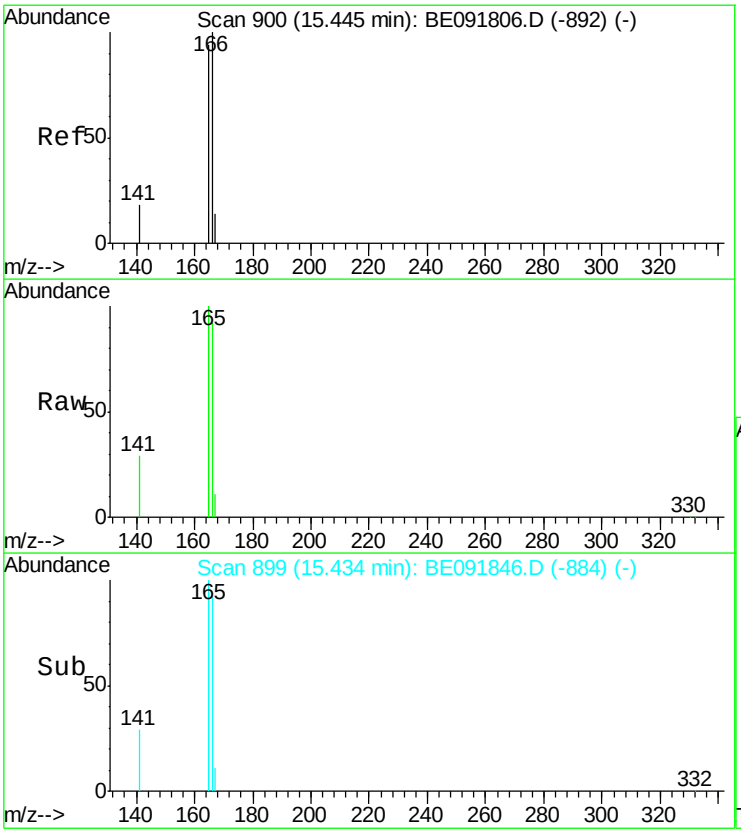
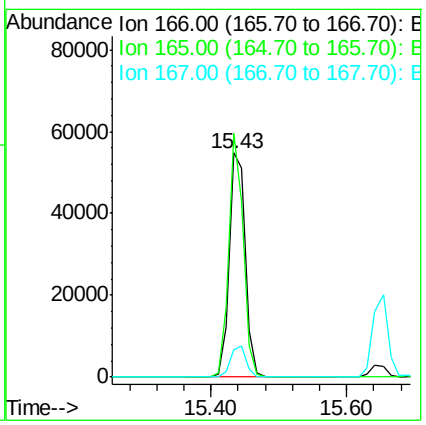
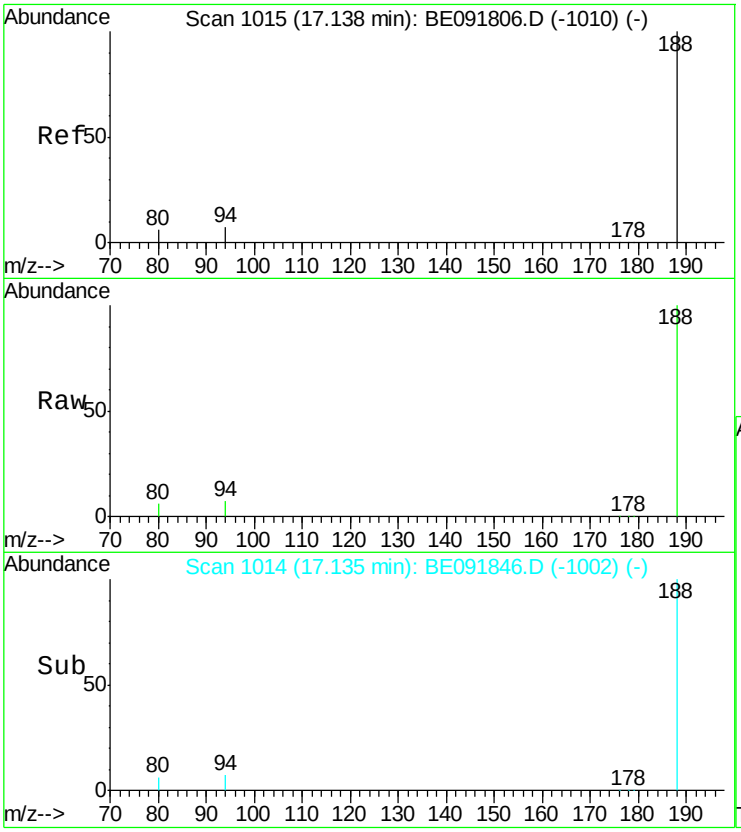



#18
Fluorene
Concen: 3.32 ng
RT: 15.43 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:166 Resp: 91268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 80.8 | 121.2 |
| 167 | 13.5 | 10.9 | 16.3 |






#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

**Instrument :**
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**ClientSampleId :**
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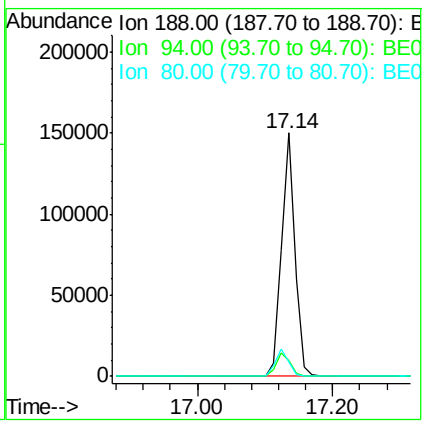
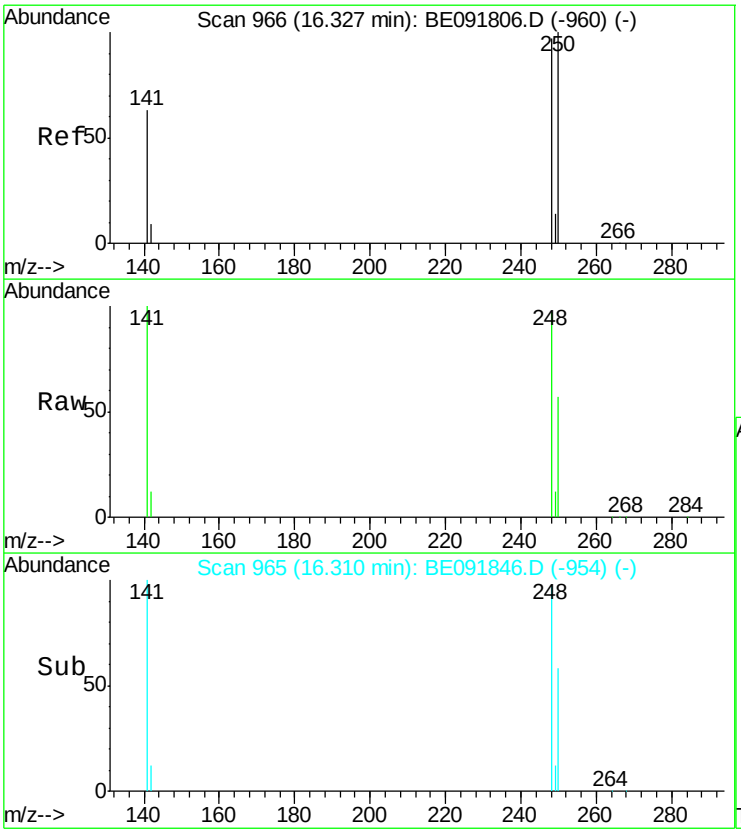
Tgt Ion:188 Resp: 251139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.7 | 8.7 | 13.1# |
| 80 | 5.8 | 9.4 | 14.0# |

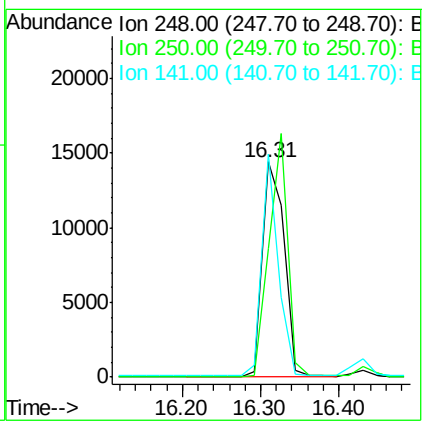


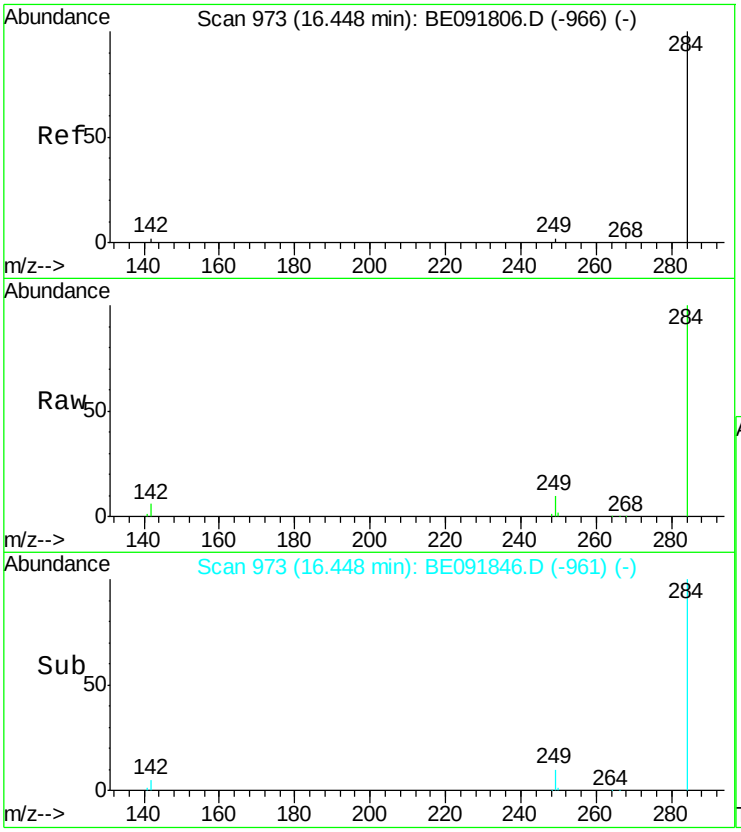




#20
4-Bromophenyl-phenylether
Concen: 2.94 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:248 Resp: 27620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 80.5 | 120.7 |
| 141 | 79.0 | 72.0 | 108.0 |

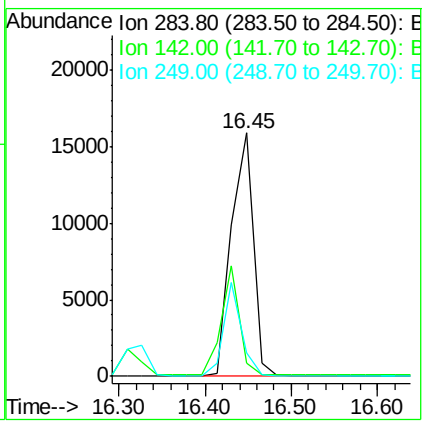





#21
Hexachlorobenzene
Concen: 2.84 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:284 Resp: 27733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.7 | 32.2 | 48.2 |
| 249 | 31.7 | 25.4 | 38.2 |




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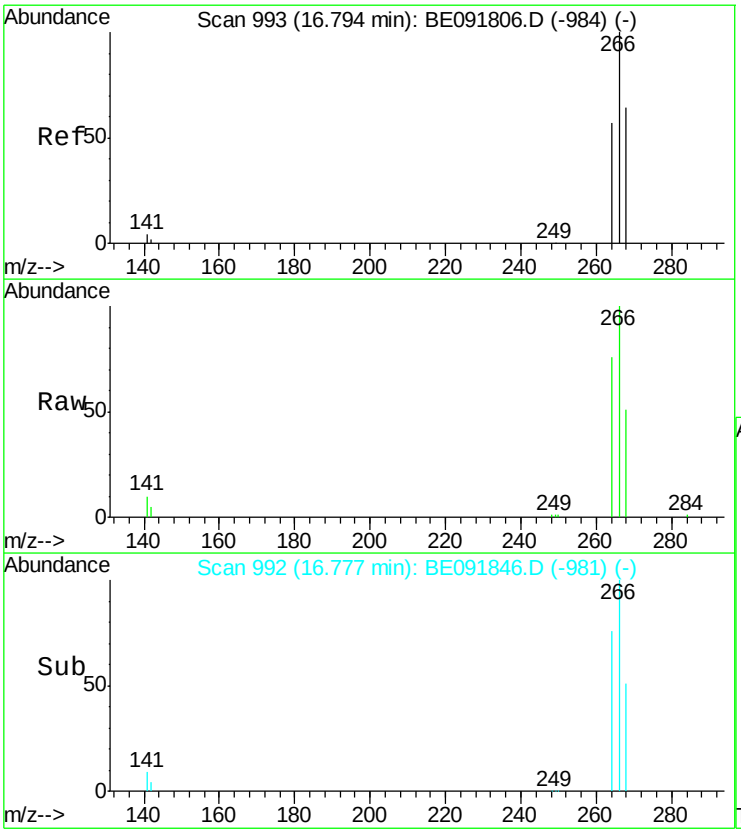
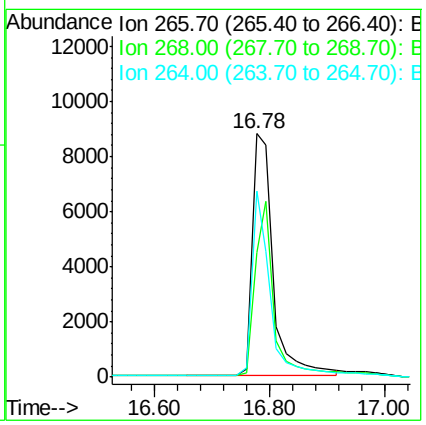
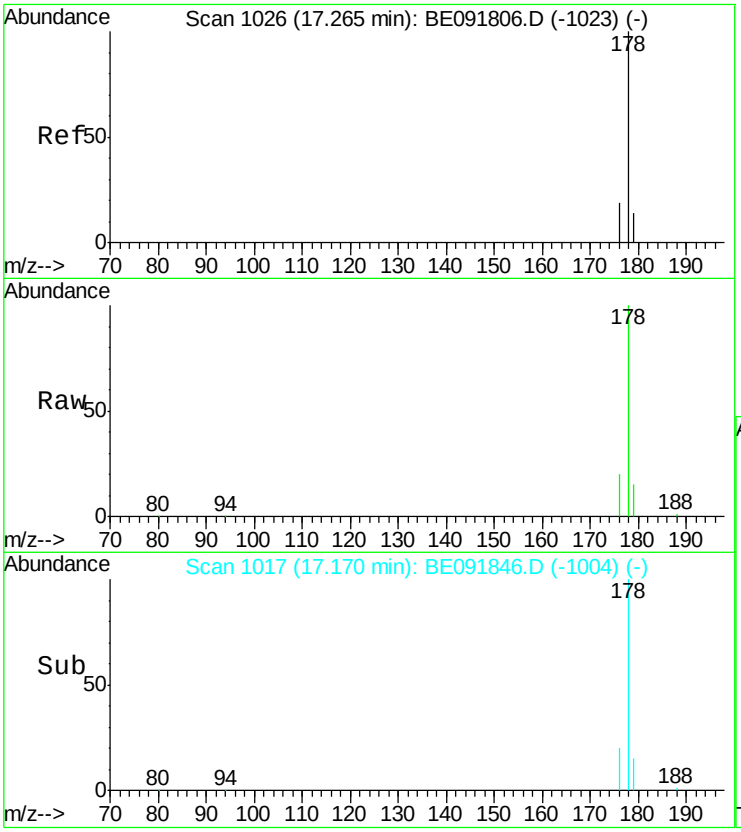



#22
Pentachlorophenol
Concen: 5.54 ng
RT: 16.78 min Scan# 992
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:266 Resp: 22383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 51.3 | 58.2 | 87.2# |
| 264 | 76.3 | 56.2 | 84.4 |

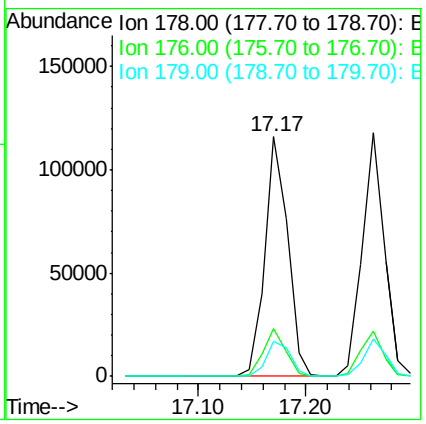





#23
Phenanthrene
Concen: 3.46 ng
RT: 17.17 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:178 Resp: 172053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.3 | 22.9 |
| 179 | 15.4 | 12.6 | 18.8 |




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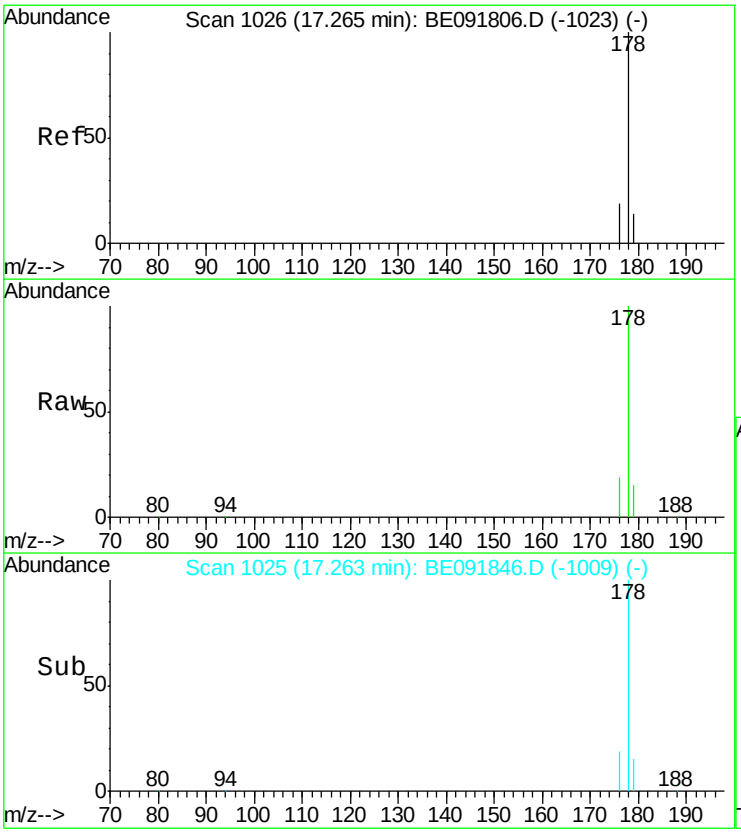
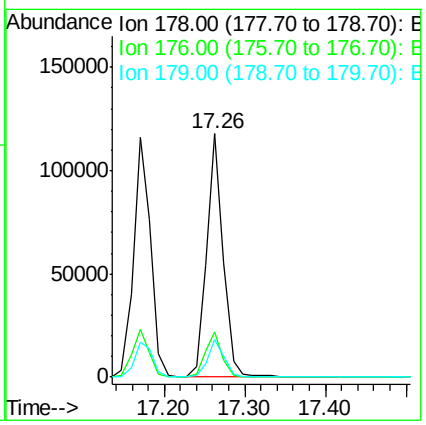
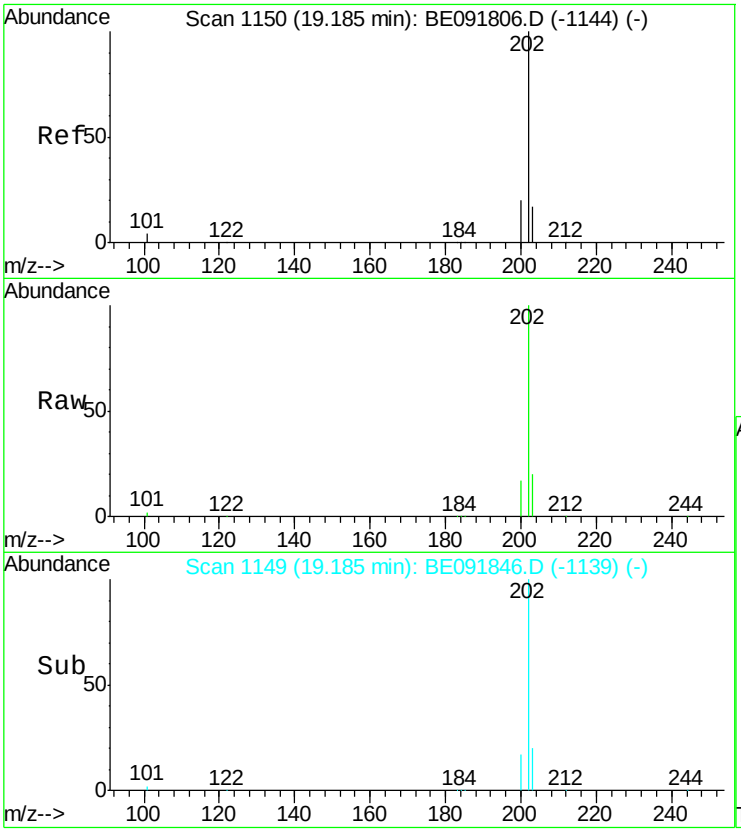



#24
Anthracene
Concen: 3.09 ng
RT: 17.26 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:178 Resp: 168681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.6 | 21.8 |
| 179 | 15.3 | 11.8 | 17.6 |

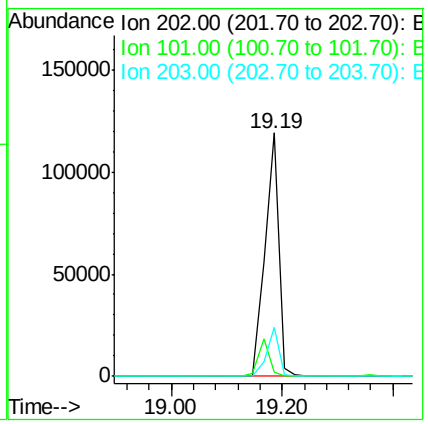





#25
Fluoranthene
Concen: 3.12 ng
RT: 19.19 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:202 Resp: 208489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 11.0 | 16.6 |
| 203 | 18.3 | 13.9 | 20.9 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

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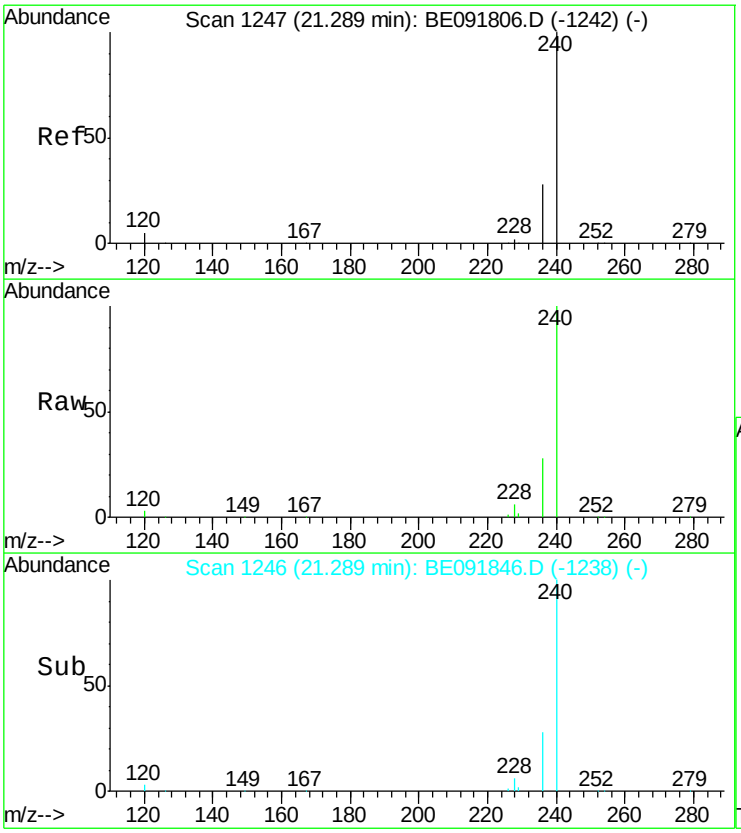
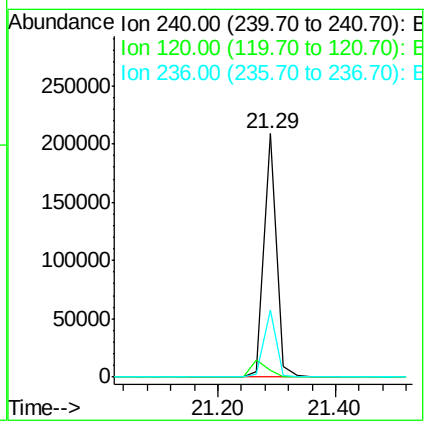
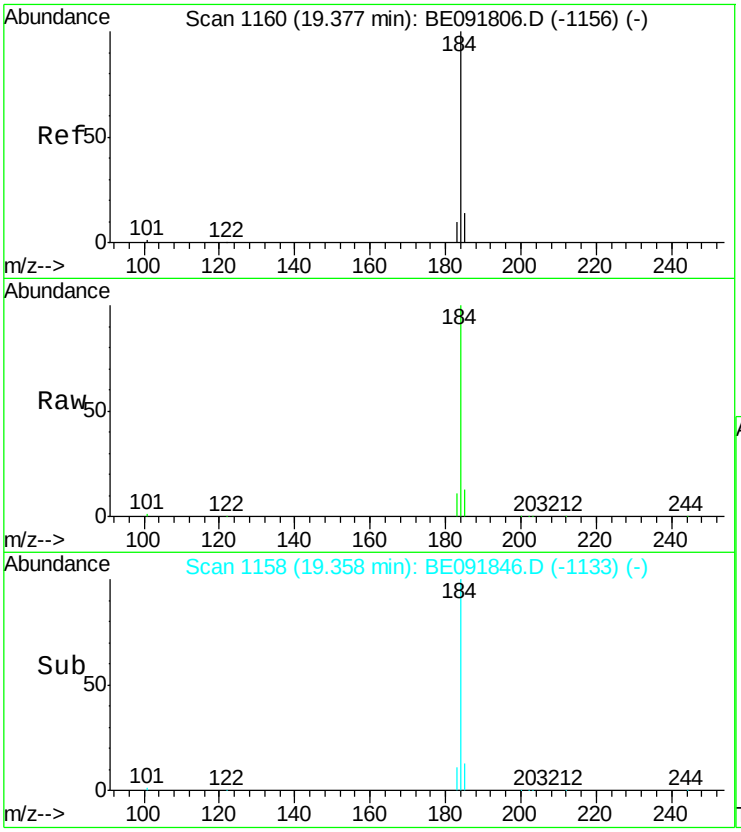



#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:240 Resp: 311317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 2.6 | 11.0 | 16.4# |
| 236 | 27.6 | 21.7 | 32.5 |






#27
Benzidine
Concen: 4.21 ng
RT: 19.36 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:184 Resp: 118572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 12.8 | 22.3 | 33.5# |
| 183 | 11.5 | 16.4 | 24.6# |

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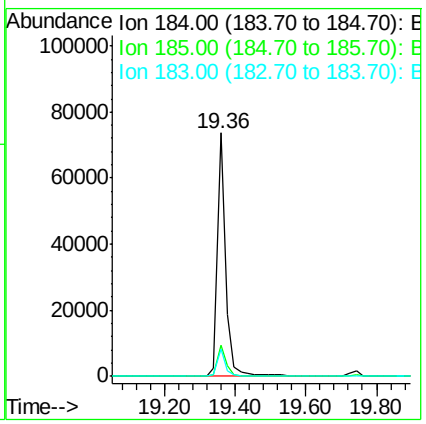
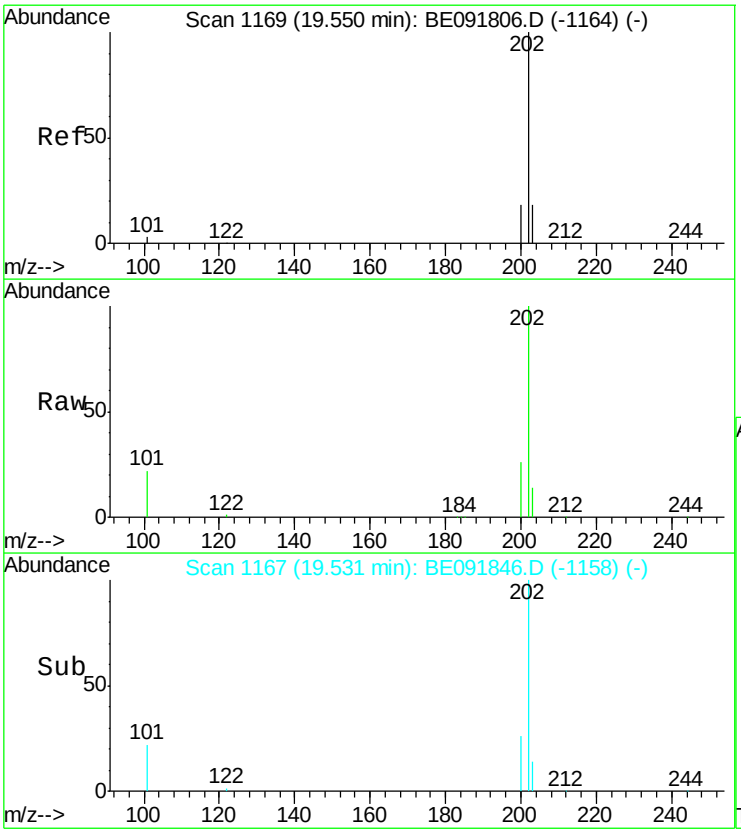
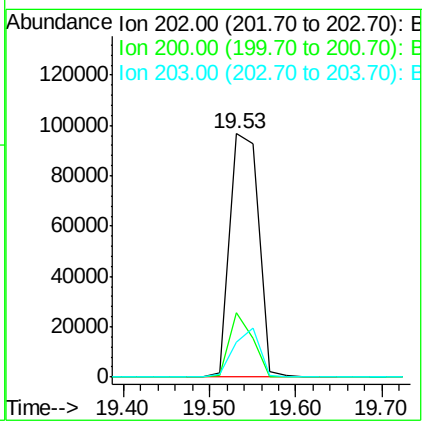


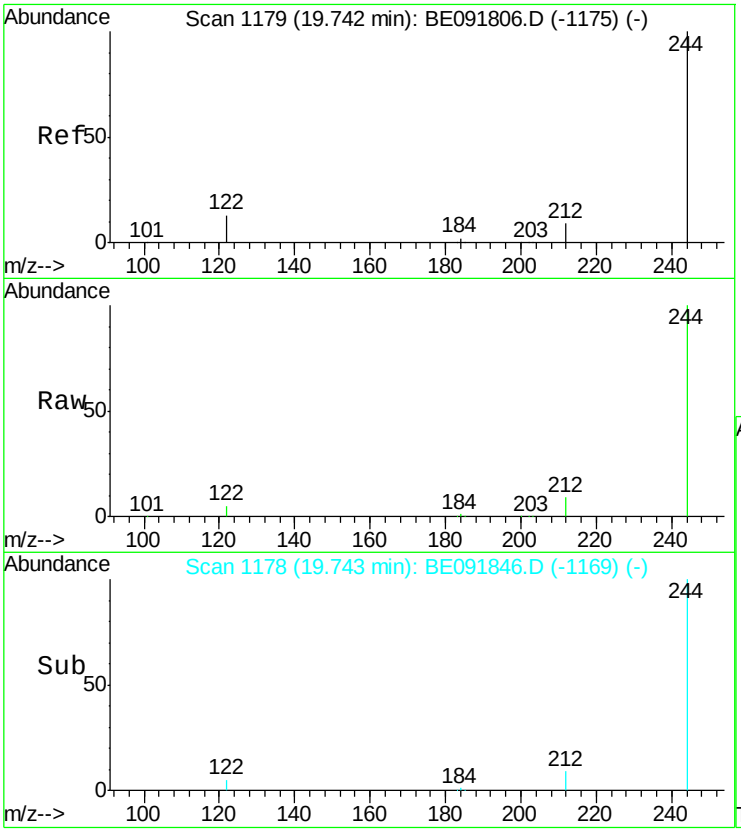




#28
Pyrene
Concen: 3.28 ng
RT: 19.53 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:202 Resp: 223939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 16.8 | 25.2 |
| 203 | 18.1 | 14.0 | 21.0 |






#29
Terphenyl-d14
Concen: 3.62 ng
RT: 19.74 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:244 Resp: 159535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.6 | 6.9 | 10.3 |
| 122 | 5.3 | 11.0 | 16.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

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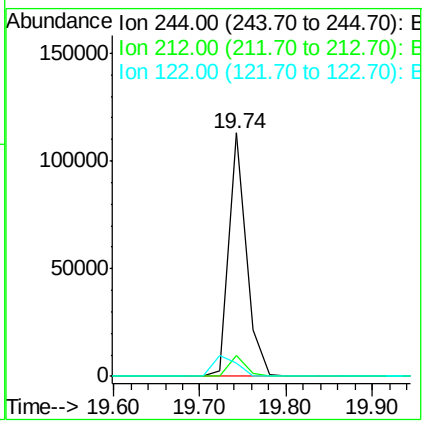
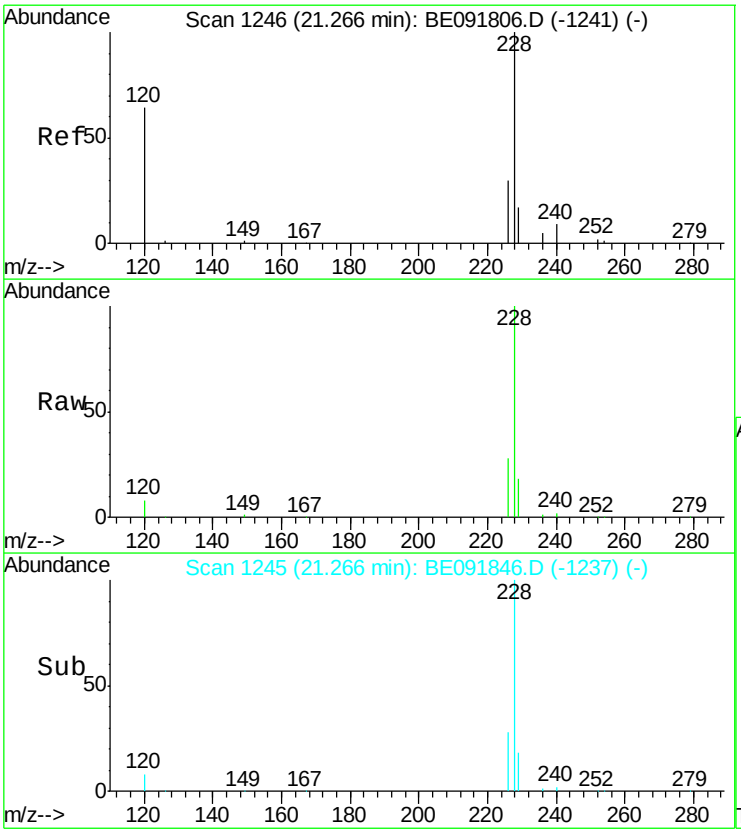
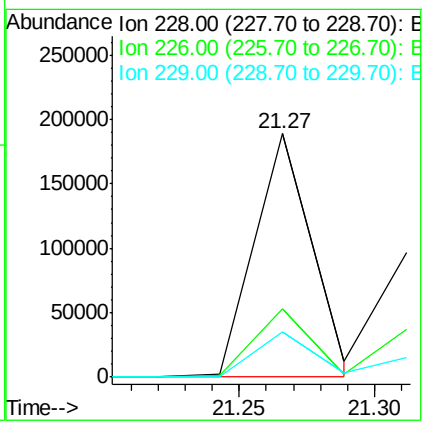


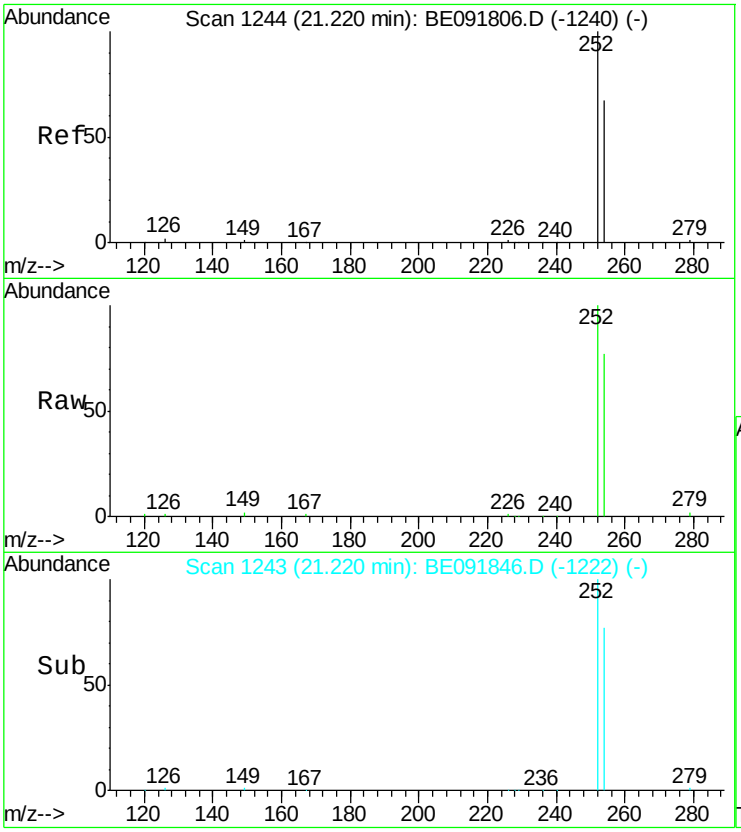




#30
Benzo(a)anthracene
Concen: 3.74 ng m
RT: 21.27 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:228 Resp: 281140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 21.0 | 31.4 |
| 229 | 18.5 | 15.7 | 23.5 |






#31
3,3'-Dichlorobenzidine
Concen: 1.42 ng
RT: 21.22 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:252 Resp: 67758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 77.3 | 51.1 | 76.7# |
| 126 | 1.2 | 12.6 | 18.8# |

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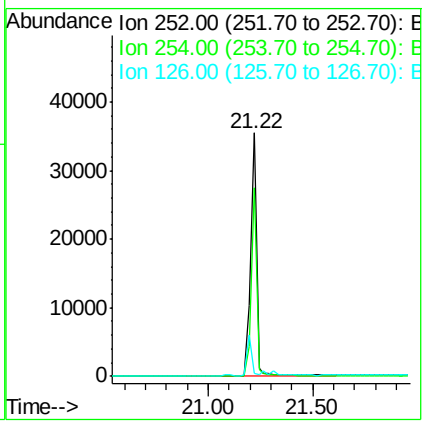
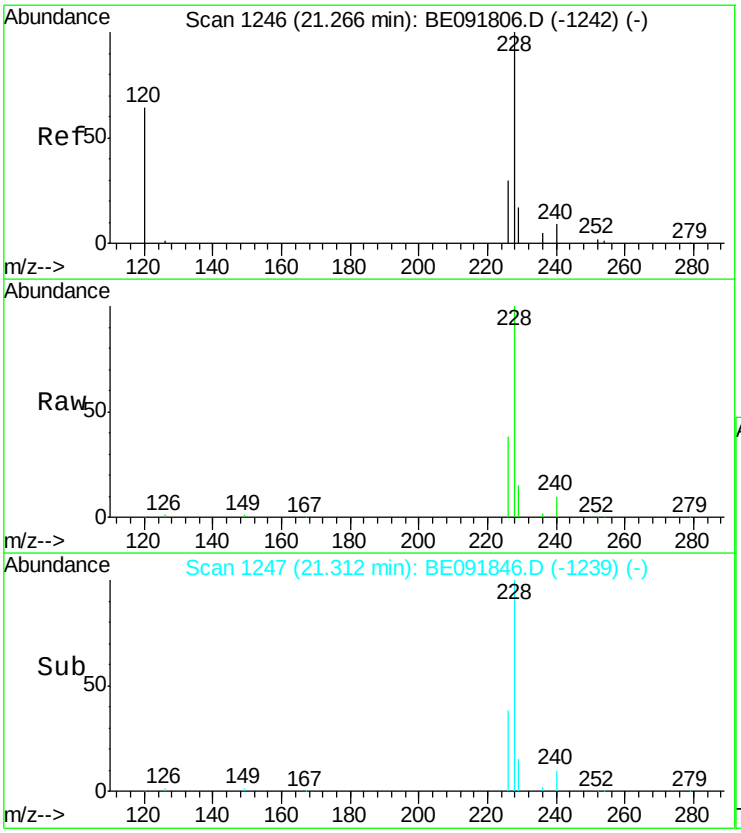
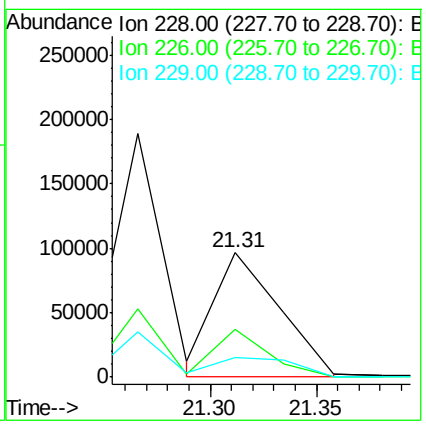


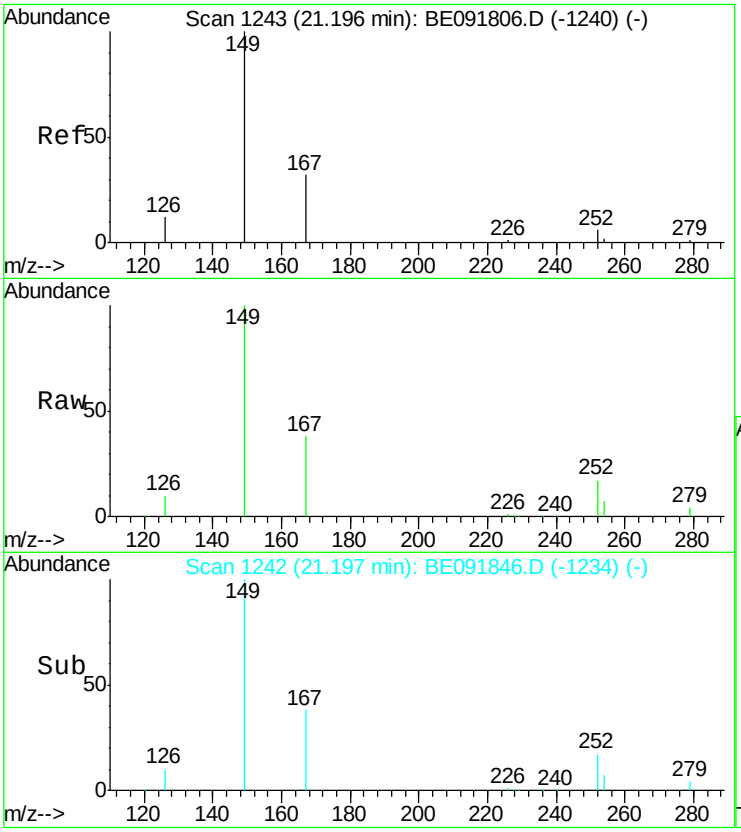




#32
Chrysene
Concen: 3.20 ng m
RT: 21.31 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:228 Resp: 205597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 38.1 | 24.0 | 36.0# |
| 229 | 15.5 | 15.9 | 23.9# |






#33
Bis(2-ethylhexyl)phthalate
Concen: 2.78 ng
RT: 21.20 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

**Instrument :**
BNA_E
**ClientSampleId :**
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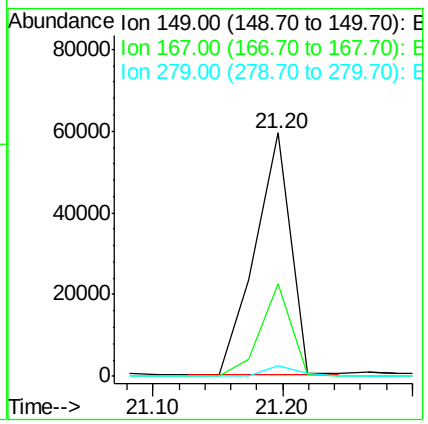
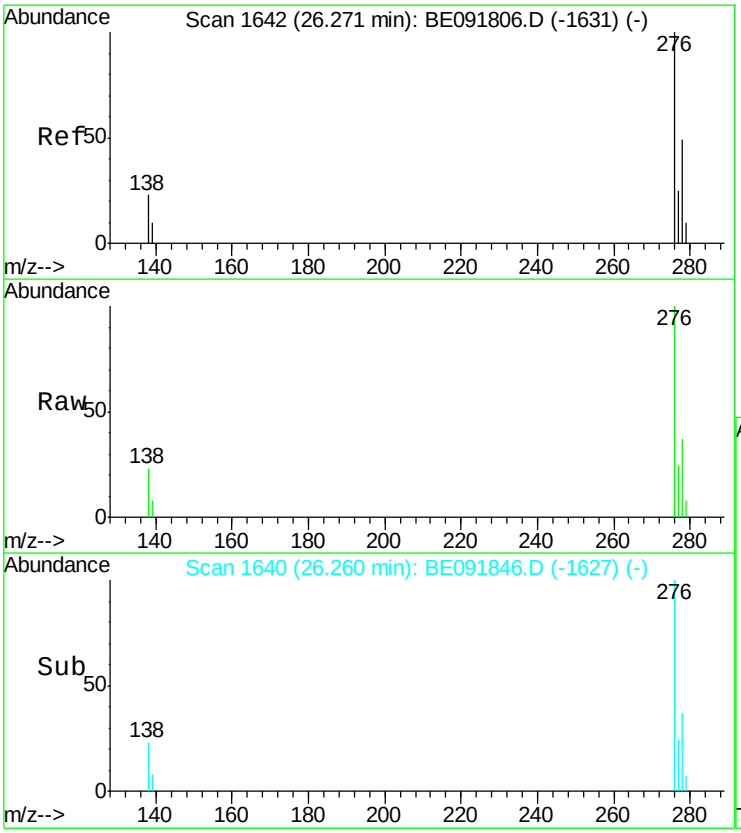
Tgt Ion:149 Resp: 114038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.1 | 19.5 | 29.3# |
| 279 | 3.9 | 10.0 | 15.0# |

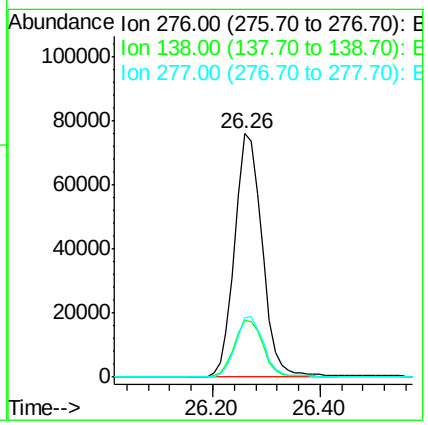


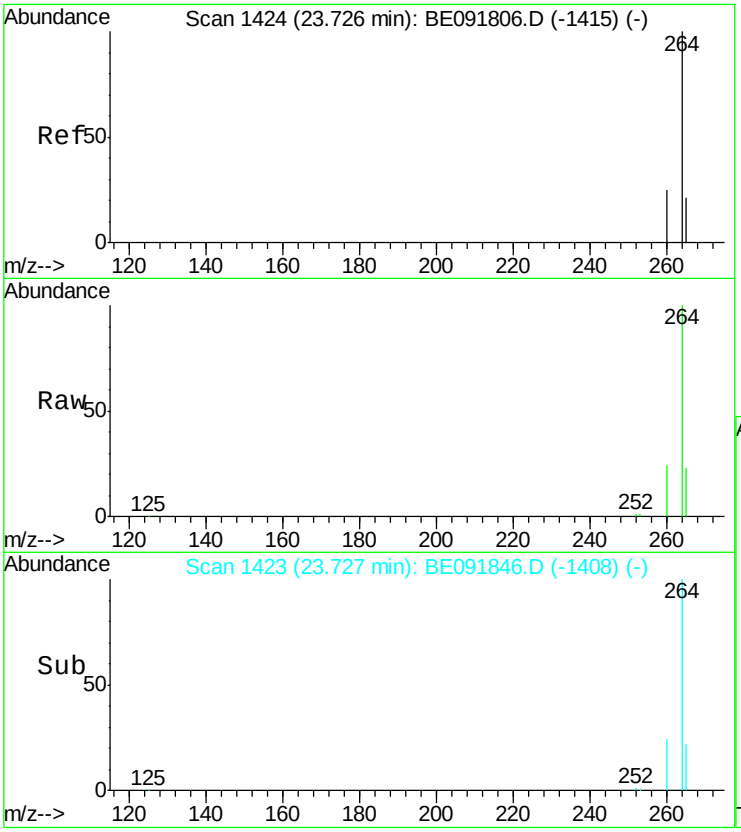




#34
Indeno(1,2,3-cd)pyrene
Concen: 3.49 ng
RT: 26.26 min Scan# 1640
Delta R.T. -0.05 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:276 Resp: 268581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.2 | 23.4 | 35.2 |
| 277 | 24.8 | 19.8 | 29.8 |

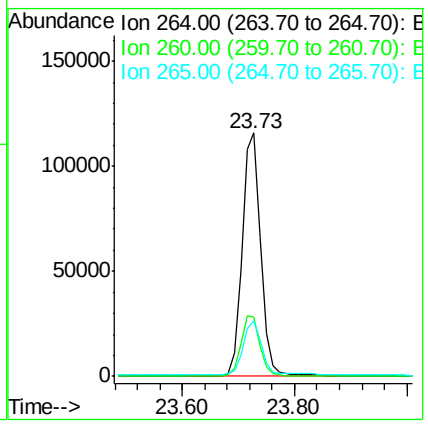





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:264 Resp: 267150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 20.0 | 30.0 |
| 265 | 22.9 | 17.5 | 26.3 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

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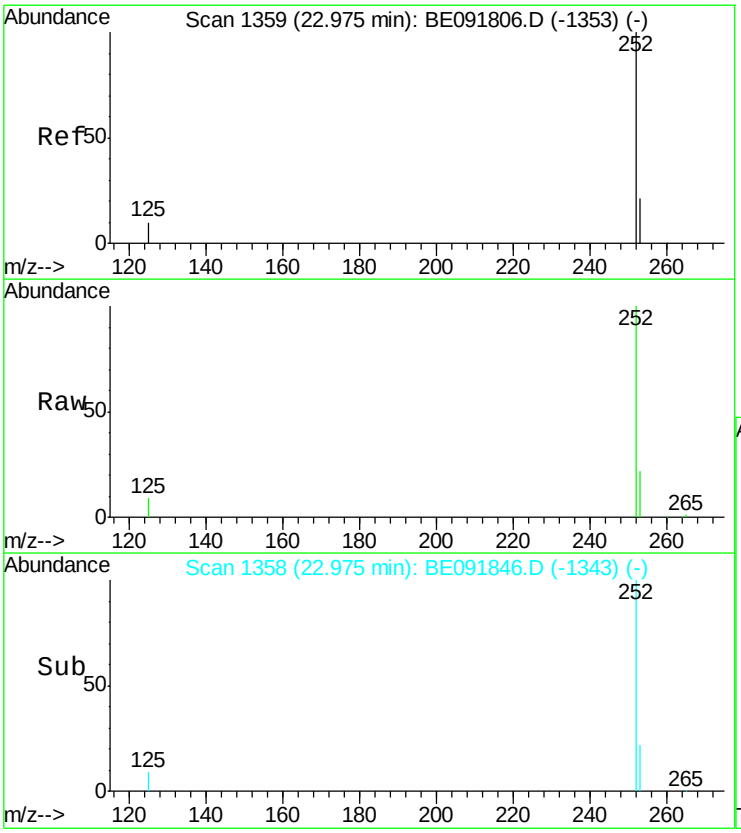
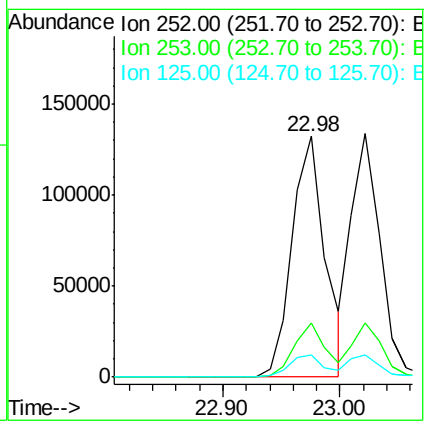
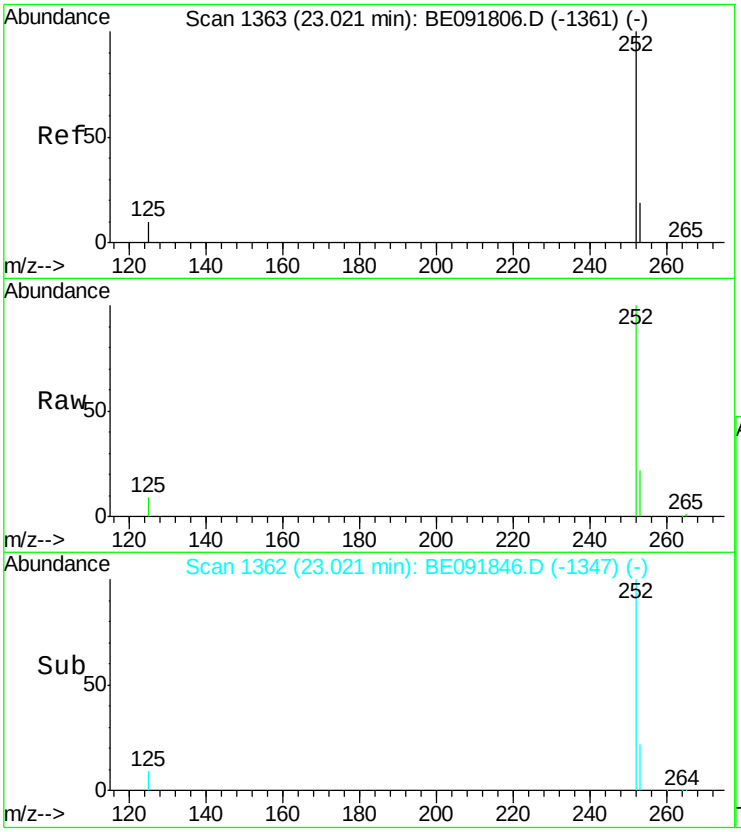



#36
Benzo(b)fluoranthene
Concen: 3.85 ng
RT: 22.98 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:252 Resp: 257613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.0 |
| 125 | 9.1 | 10.2 | 15.2# |






#37
Benzo(k)fluoranthene
Concen: 3.37 ng
RT: 23.02 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:252 Resp: 230281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 9.4 | 9.9 | 14.9# |

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

**Manual Integrations APPROVED**
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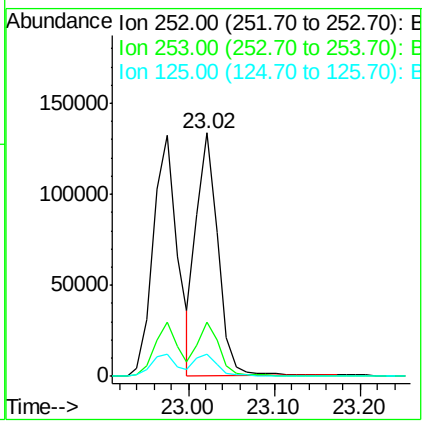
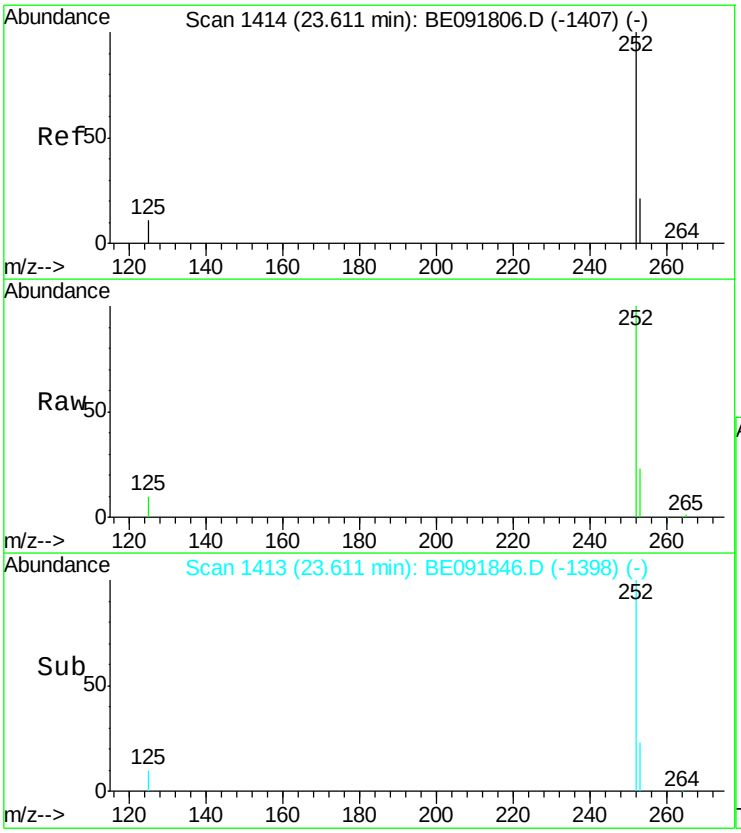
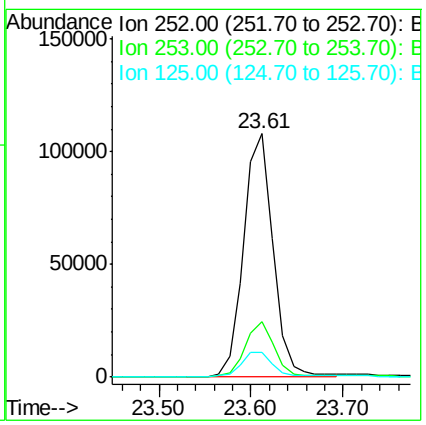


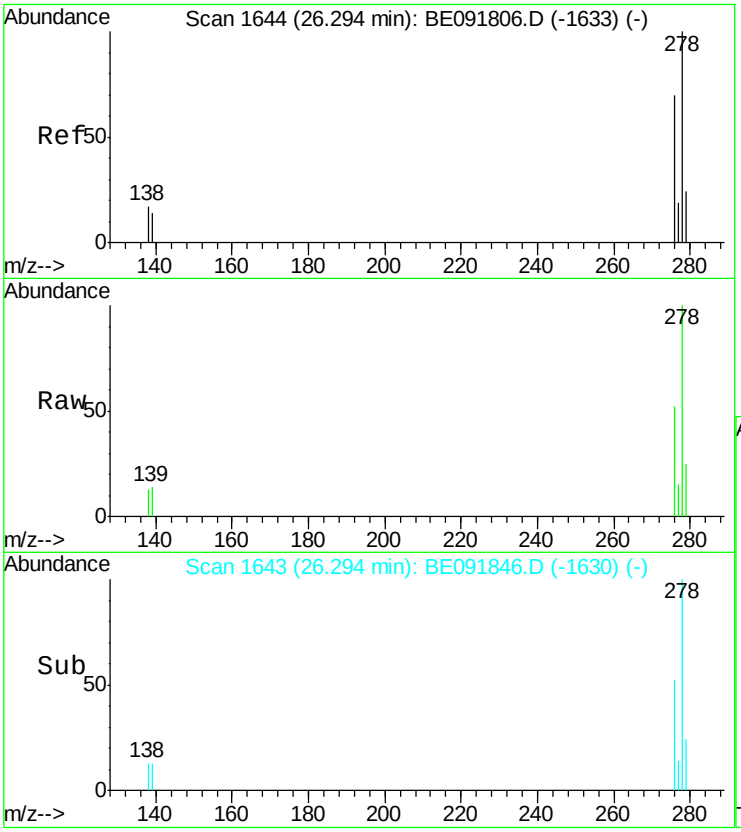




#38
Benzo(a)pyrene
Concen: 3.73 ng
RT: 23.61 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:252 Resp: 237722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 18.1 | 27.1 |
| 125 | 10.0 | 11.0 | 16.4# |






#39
Dibenzo(a,h)anthracene
Concen: 3.62 ng
RT: 26.29 min Scan# 1643
Delta R.T. -0.05 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:278 Resp: 225256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.6 | 16.0 | 24.0# |
| 279 | 24.6 | 19.4 | 29.2 |

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BSD

**Manual Integrations APPROVED**
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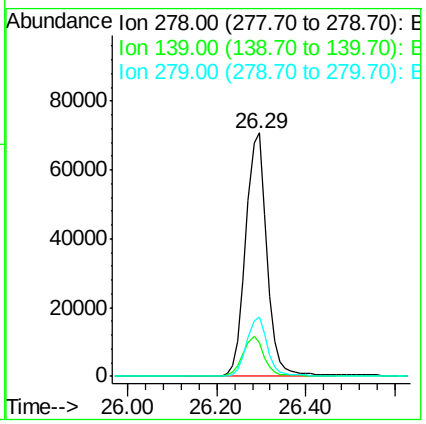


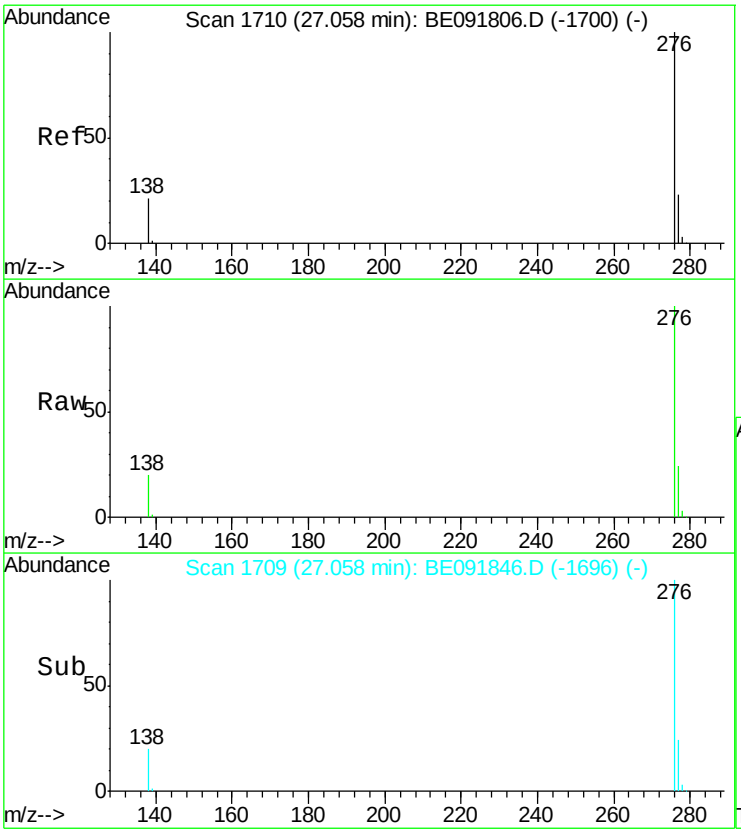


#40
Benzo(g,h,i)perylene
Concen: 3.52 ng
RT: 27.06 min Scan# 1709
Delta R.T. -0.05 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:276 Resp: 226137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 18.6 | 28.0 |
| 138 | 20.2 | 20.4 | 30.6# |