Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116484.D
Acq On : 23 Aug 2019 18:28
Operator : HP/JU
Sample : PB122393BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
Jagrut
8/28/2019 8:09:44 AM

Quant Time: Aug 24 03:49:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.88 | 152 | 116662 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 477824 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 238018 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.40 | 188 | 401011 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 247482 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.49 | 264 | 225910 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 717476 | 89.86 | ng | | 0.01 |
| 7) Phenol-d6 | 6.51 | 99 | 893250 | 91.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 515655 | 59.04 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 205997 | 100.79 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.24 | 172 | 927909 | 62.78 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.98 | 244 | 894429 | 67.51 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.76 | 88 | 128147 | 37.069 | ng | | 98 |
| 3) Pyridine | 3.50 | 79 | 321916 | 30.579 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.45 | 42 | 141715 | 36.875 | ng | | 97 |
| 6) Aniline | 6.55 | 93 | 399023 | 30.106 | ng | | 99 |
| 8) 2-Chlorophenol | 6.67 | 128 | 312168 | 37.258 | ng | | 98 |
| 9) Benzaldehyde | 6.43 | 77 | 254132 | 38.851 | ng | | 96 |
| 10) Phenol | 6.52 | 94 | 379288m | 35.677 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 300108 | 37.076 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 335768 | 37.024 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 339448 | 38.891 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 317527 | 38.563 | ng | | 99 |
| 15) Benzyl Alcohol | 7.02 | 79 | 287193 | 36.249 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 391543 | 34.985 | ng | | 99 |
| 17) 2-Methylphenol | 7.13 | 107 | 258485 | 37.235 | ng | | 100 |
| 18) Hexachloroethane | 7.40 | 117 | 125987 | 37.011 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 228008 | 34.132 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 323324 | 38.020 | ng | | 96 |
| 22) Acetophenone | 7.29 | 105 | 442354 | 37.022 | ng | # | 98 |
| 24) Nitrobenzene | 7.46 | 77 | 343863 | 38.018 | ng | | 96 |
| 25) Isophorone | 7.70 | 82 | 618079 | 35.911 | ng | | 100 |
| 26) 2-Nitrophenol | 7.77 | 139 | 149461 | 45.240 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 275957 | 40.032 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93 | 375324 | 35.311 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 250822 | 38.260 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 280269 | 37.976 | ng | | 97 |
| 31) Naphthalene | 8.19 | 128 | 899453 | 38.912 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 173151 | 39.291 | ng | | 92 |
| 33) 4-Chloroaniline | 8.23 | 127 | 206221 | 20.322 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.31 | 225 | 151696 | 37.689 | ng | | 99 |
| 35) Caprolactam | 8.59 | 113 | 77174m | 33.796 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 267061 | 36.105 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 590687 | 37.218 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.97 | 142 | 552703 | 37.280 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 248037 | 38.733 | ng | | 99 |

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Sample : PB122393BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
Jagrut
8/28/2019 8:09:44 AM

Quant Time: Aug 24 03:49:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.03 | 237 | 288811 | 83.825 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 173803 | 38.780 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 181083 | 39.709 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.34 | 154 | 720124 | 37.842 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.36 | 162 | 550957 | 37.345 | ng | | 99 |
| 48) 2-Nitroaniline | 9.45 | 65 | 162952 | 36.074 | ng | | 99 |
| 49) Acenaphthylene | 9.78 | 152 | 853480 | 39.541 | ng | | 99 |
| 50) Dimethylphthalate | 9.63 | 163 | 621699 | 37.437 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 139484 | 41.035 | ng | | 97 |
| 52) Acenaphthene | 9.95 | 154 | 561416 | 40.535 | ng | | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 95212 | 23.499 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 92511 | 70.613 | ng | # | 1 |
| 55) Dibenzofuran | 10.12 | 168 | 757440 | 39.232 | ng | | 99 |
| 56) 4-Nitrophenol | 10.01 | 139 | 217319 | 69.006 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 178135 | 41.185 | ng | | 96 |
| 58) Fluorene | 10.46 | 166 | 571995 | 38.133 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 150104 | 40.087 | ng | | 97 |
| 60) Diethylphthalate | 10.33 | 149 | 613717 | 37.600 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204 | 279625 | 38.212 | ng | | 98 |
| 62) 4-Nitroaniline | 10.47 | 138 | 132117 | 33.340 | ng | | 95 |
| 63) Azobenzene | 10.62 | 77 | 642175 | 38.265 | ng | | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 72292 | 44.553 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 514222 | 39.602 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.94 | 248 | 165488 | 39.363 | ng | | 99 |
| 68) Hexachlorobenzene | 11.02 | 284 | 174115 | 37.445 | ng | | 99 |
| 69) Atrazine | 11.09 | 200 | 147863 | 38.007 | ng | | 99 |
| 70) Pentachlorophenol | 11.20 | 266 | 210144 | 77.459 | ng | | 100 |
| 71) Phenanthrene | 11.42 | 178 | 838448 | 38.381 | ng | | 100 |
| 72) Anthracene | 11.47 | 178 | 862764 | 39.303 | ng | | 99 |
| 73) Carbazole | 11.62 | 167 | 740693 | 37.591 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.96 | 149 | 941843 | 38.574 | ng | | 100 |
| 75) Fluoranthene | 12.61 | 202 | 841562 | 37.262 | ng | | 100 |
| 77) Benzidine | 12.72 | 184 | 364005 | 36.558 | ng | | 98 |
| 78) Pyrene | 12.83 | 202 | 837255 | 42.304 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 354836 | 41.514 | ng | | 90 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 613831 | 38.296 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.98 | 252 | 171172 | 29.967 | ng | | 98 |
| 83) Chrysene | 14.06 | 228 | 618003 | 38.040 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 468263 | 41.085 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 754906 | 39.014 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 553218 | 39.753 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 542745 | 38.891 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 522137 | 41.298 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.43 | 252 | 501977 | 40.698 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 464361 | 45.817 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 472659 | 48.918 | ng | | 98 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
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Sample : PB122393BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 03:49:13 2019
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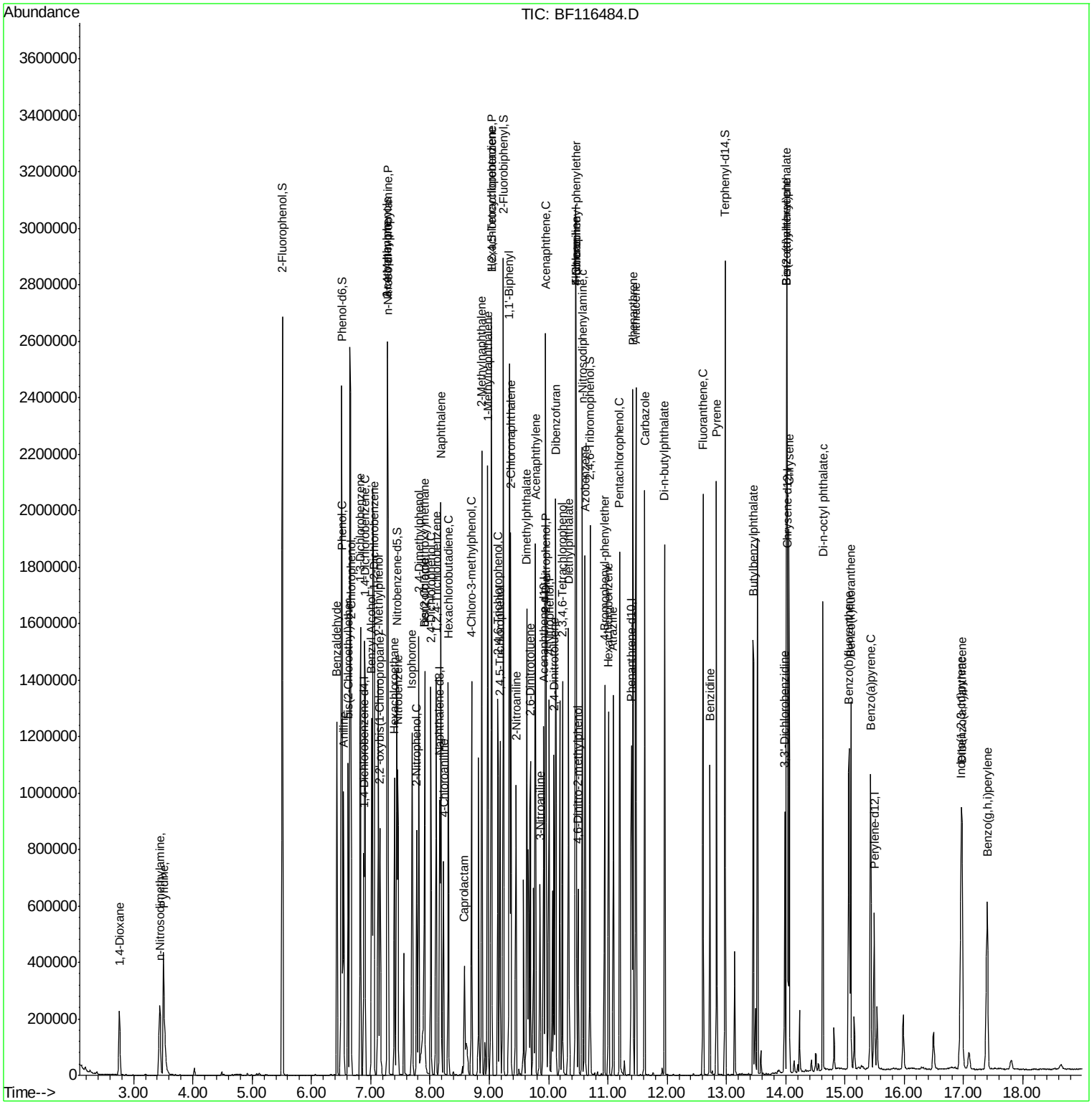
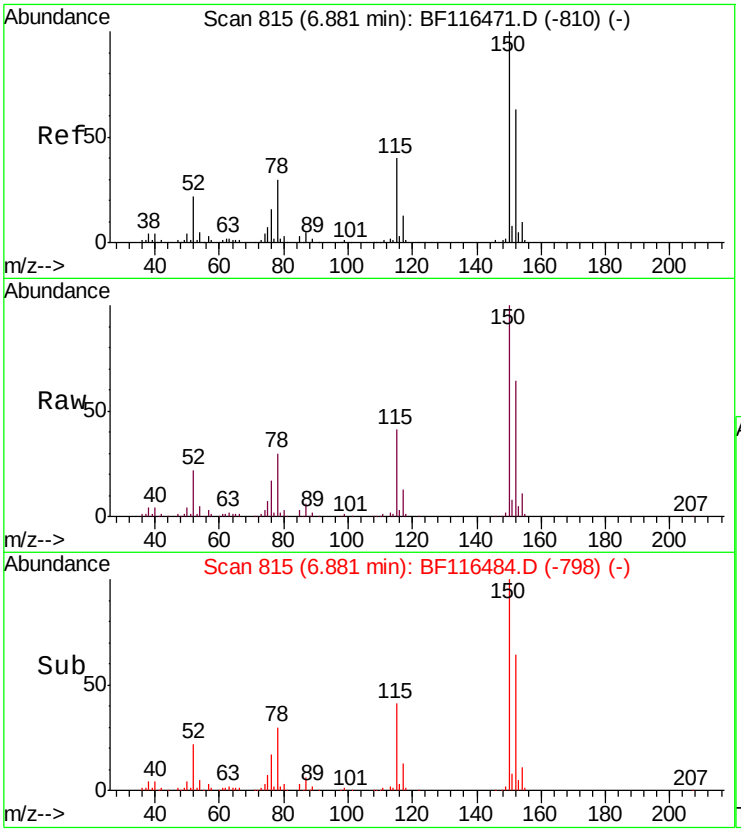
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
Jagrut
8/28/2019 8:09:44 AM

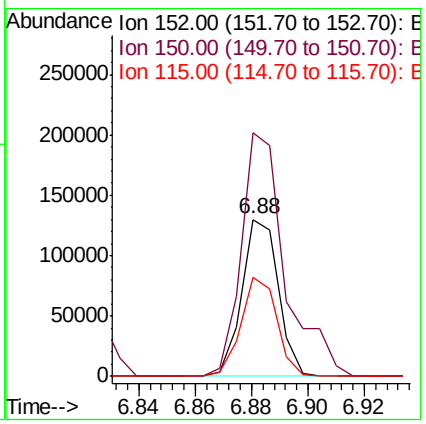





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

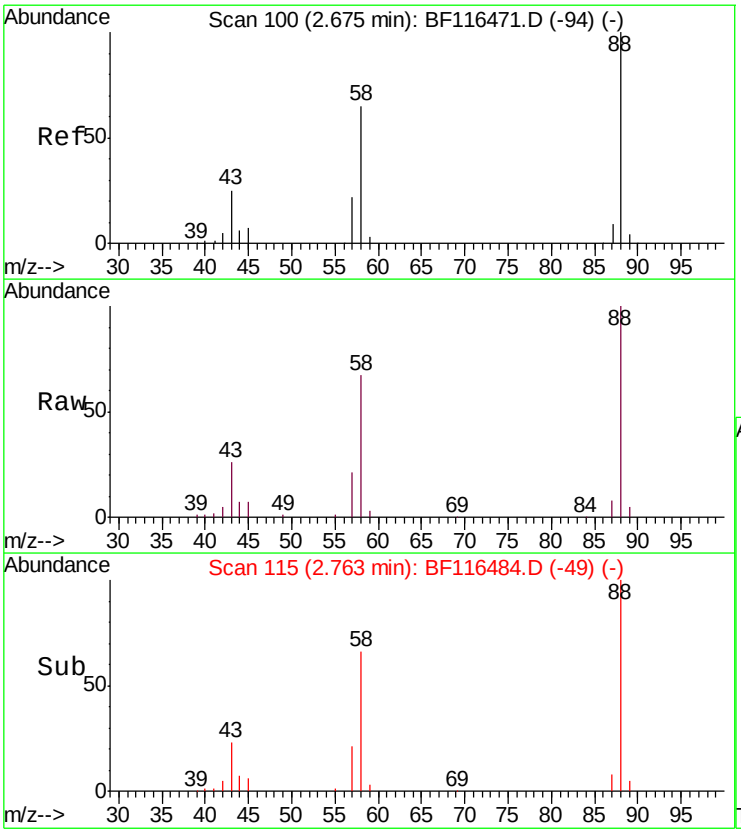
Tgt Ion:152 Resp: 116662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 126.7 | 190.1 |
| 115 | 62.8 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

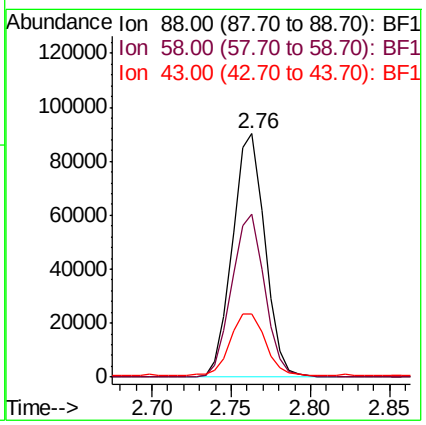
**Manual Integrations APPROVED**
Jagrut
8/28/2019 8:09:44 AM

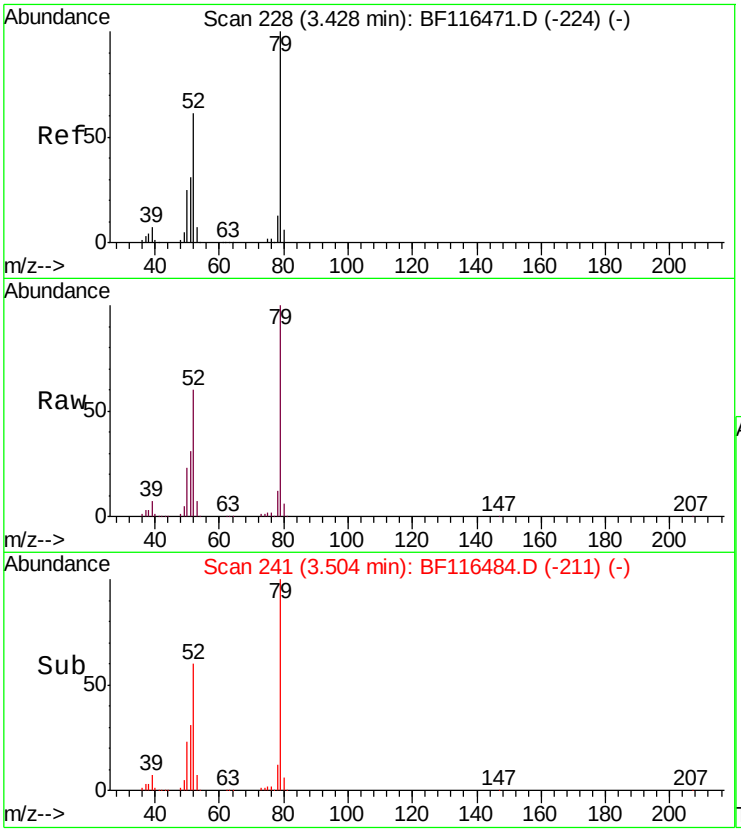



#2
1,4-Dioxane
Concen: 37.069 ng
RT: 2.76 min Scan# 115
Delta R.T. 0.09 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 88 Resp: 128147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.2 | 53.4 | 80.0 |
| 43 | 27.4 | 21.2 | 31.8 |

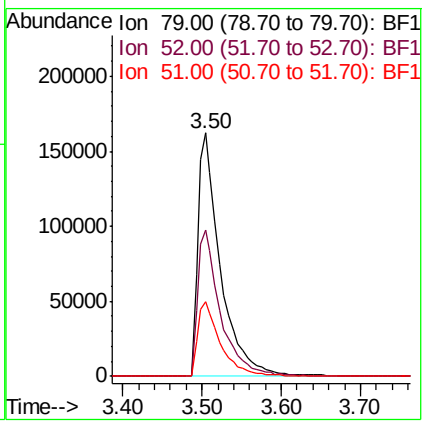





#3
Pyridine
Concen: 30.579 ng
RT: 3.50 min Scan# 241
Delta R.T. 0.08 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 79 Resp: 321916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 59.9 | 48.8 | 73.2 |
| 51 | 30.9 | 25.2 | 37.8 |

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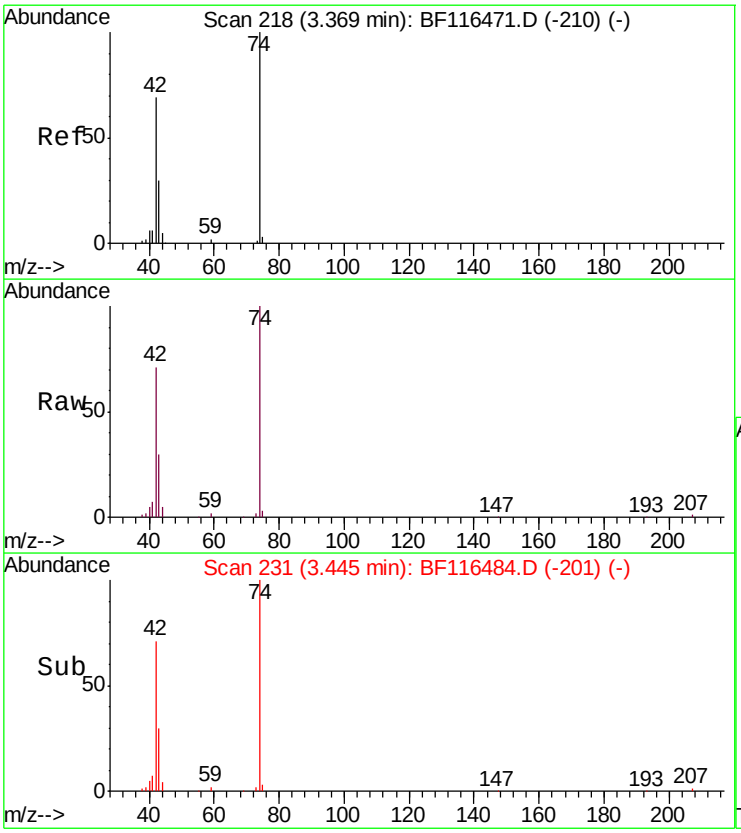
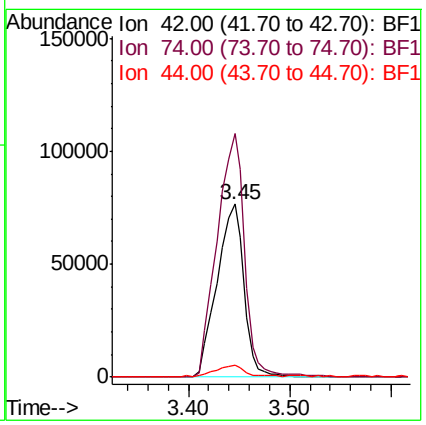
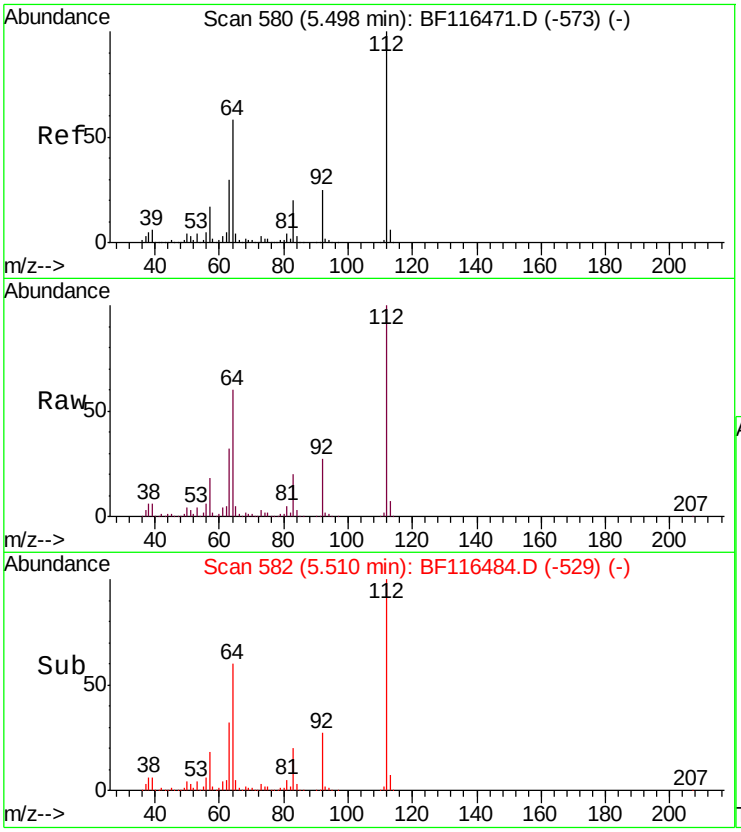



#4
n-Nitrosodimethylamine
Concen: 36.875 ng
RT: 3.45 min Scan# 231
Delta R.T. 0.08 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 42 Resp: 141715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 140.9 | 115.3 | 172.9 |
| 44 | 6.7 | 5.8 | 8.8 |

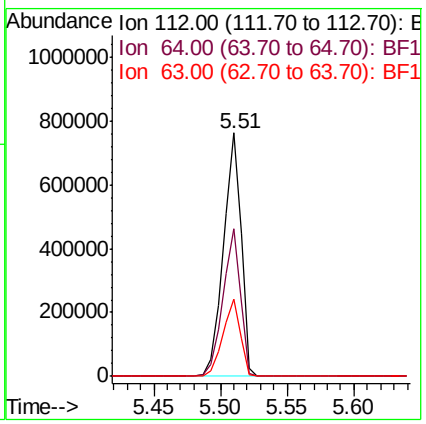





#5
2-Fluorophenol
Concen: 89.861 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:112 Resp: 717476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.5 | 46.3 | 69.5 |
| 63 | 31.5 | 24.2 | 36.4 |

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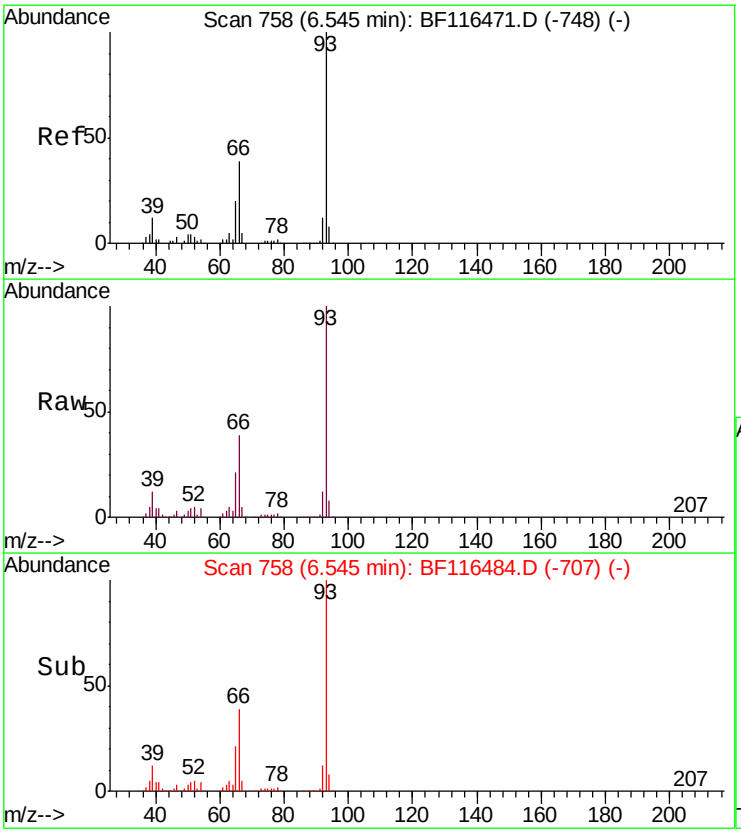
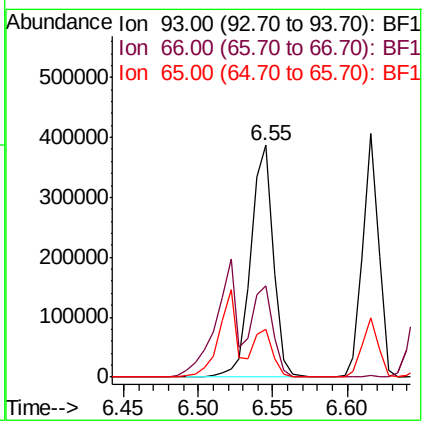
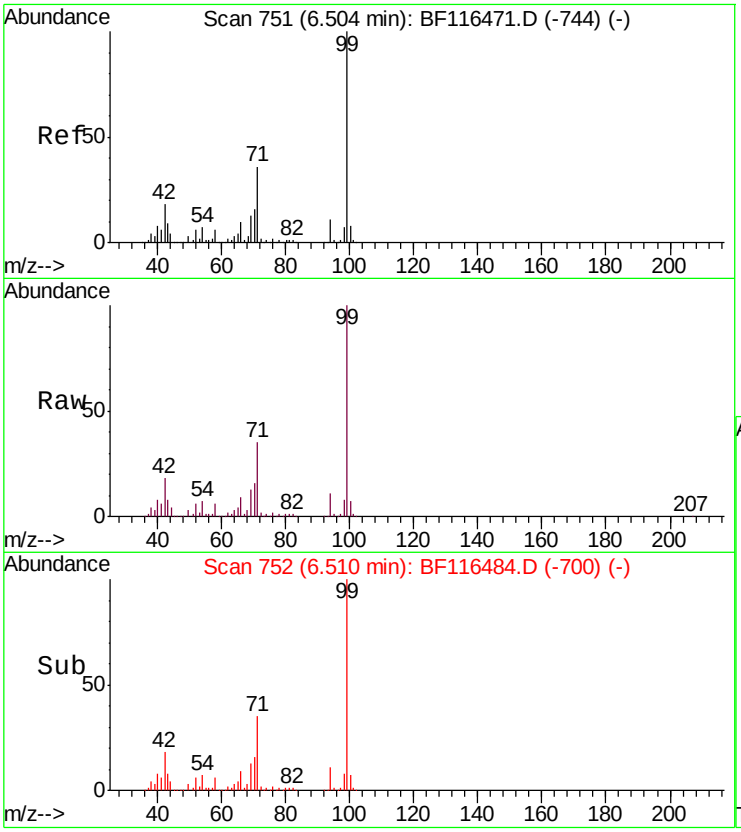



#6
Aniline
Concen: 30.106 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 93 Resp: 399023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.4 | 32.2 | 48.2 |
| 65 | 20.5 | 16.3 | 24.5 |

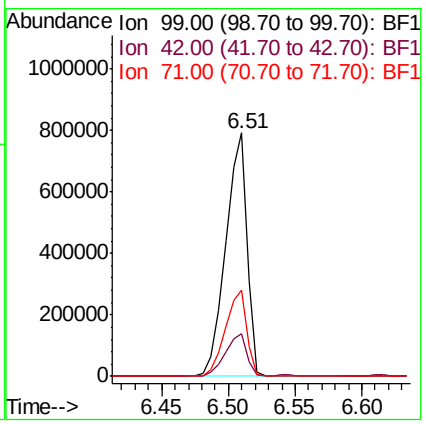





#7
Phenol-d6
Concen: 91.242 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 99 Resp: 893250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.5 | 14.6 | 21.8 |
| 71 | 35.2 | 28.5 | 42.7 |

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PB122393BS

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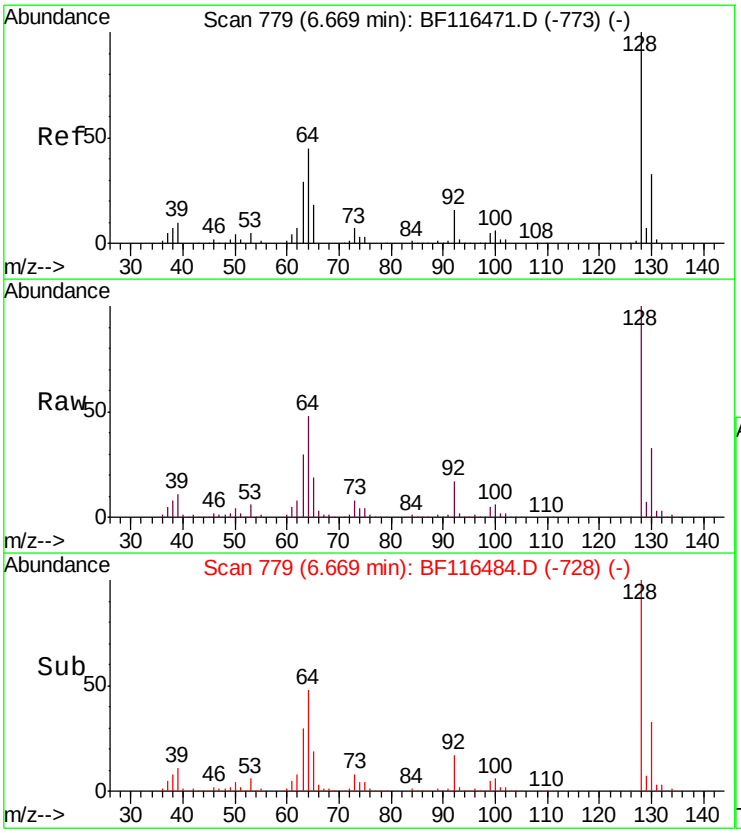
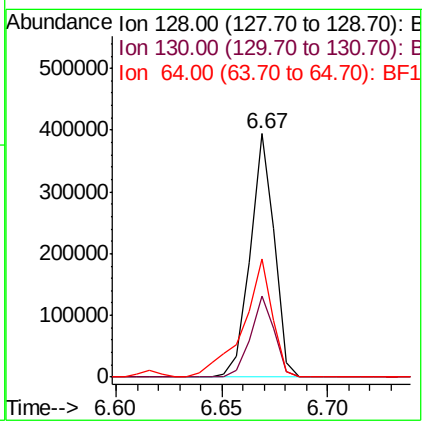
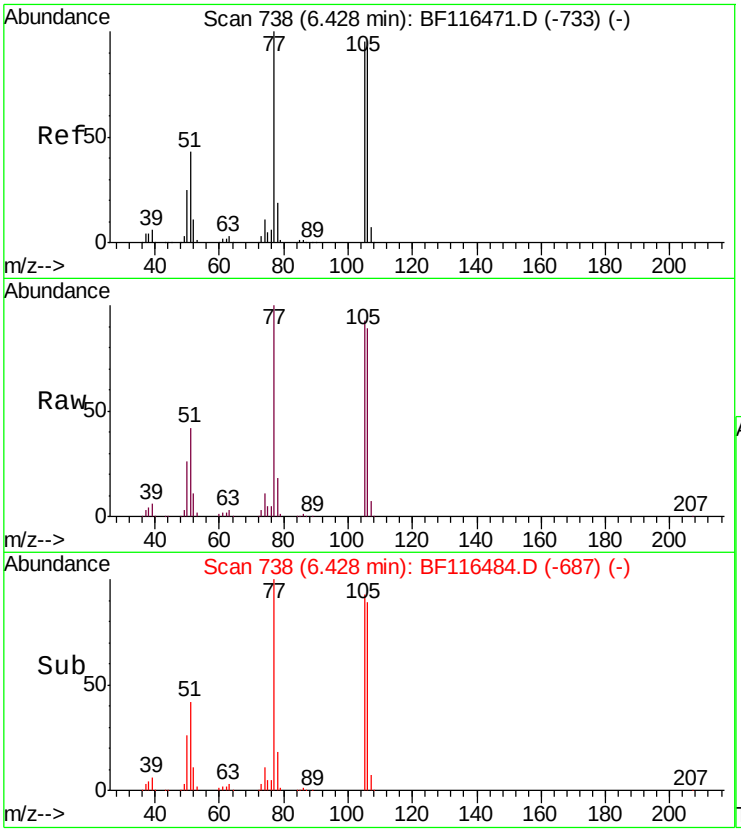



#8
2-Chlorophenol
Concen: 37.258 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:128 Resp: 312168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.2 | 13.4 | 53.4 |
| 64 | 48.3 | 26.3 | 66.3 |

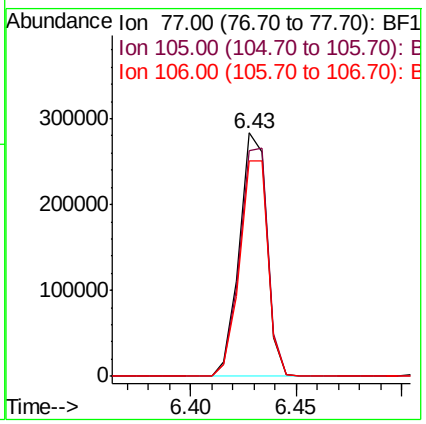





#9
Benzaldehyde
Concen: 38.851 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 77 Resp: 254132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 92.6 | 75.5 | 115.5 |
| 106 | 88.7 | 73.2 | 113.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
Jagrut
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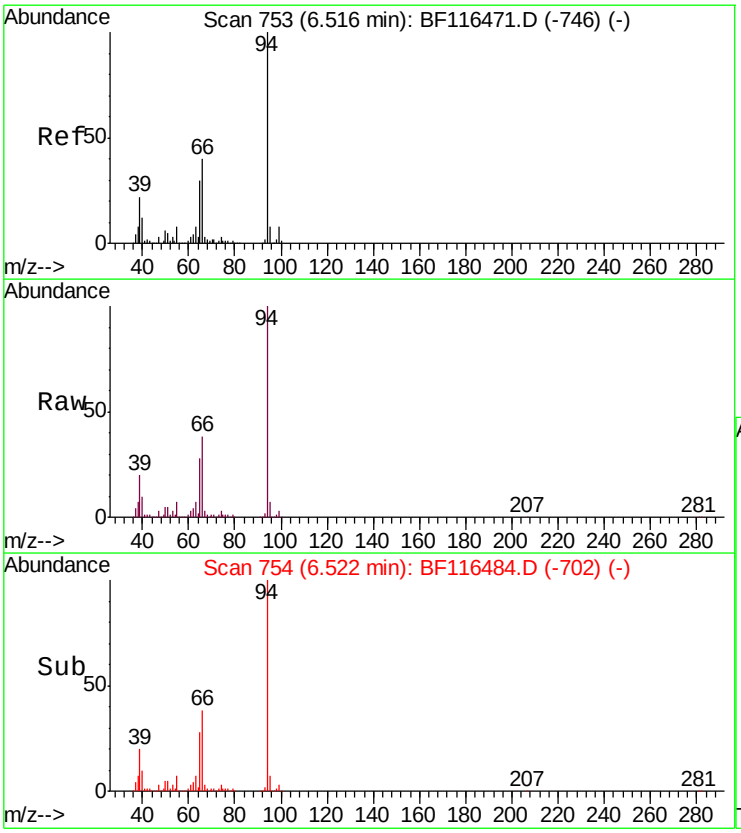
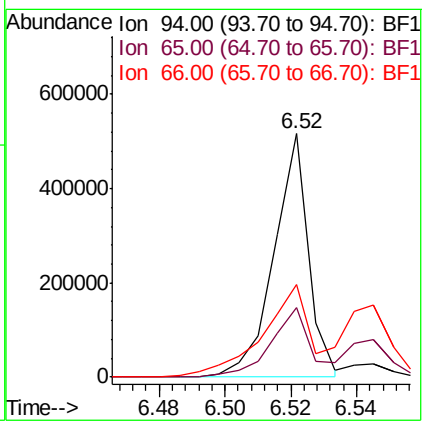
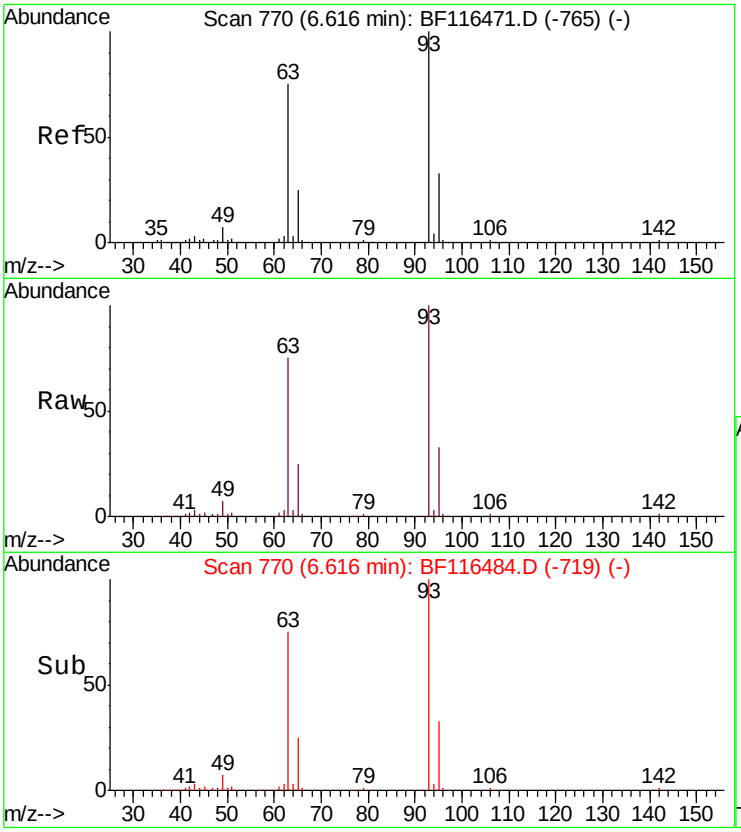



#10
Phenol
Concen: 35.677 ng m
RT: 6.52 min Scan# 754
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 94 Resp: 379288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.4 | 10.0 | 50.0 |
| 66 | 38.0 | 19.8 | 59.8 |

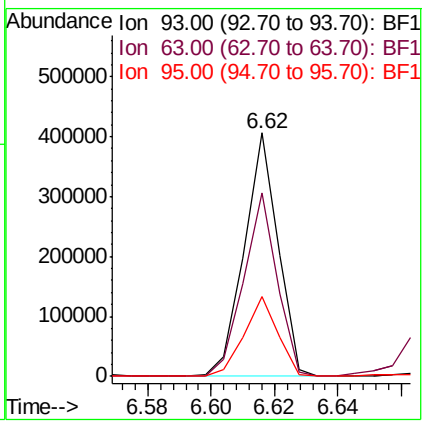





#11
bis(2-Chloroethyl)ether
Concen: 37.076 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 93 Resp: 300108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.3 | 54.3 | 94.3 |
| 95 | 32.7 | 13.3 | 53.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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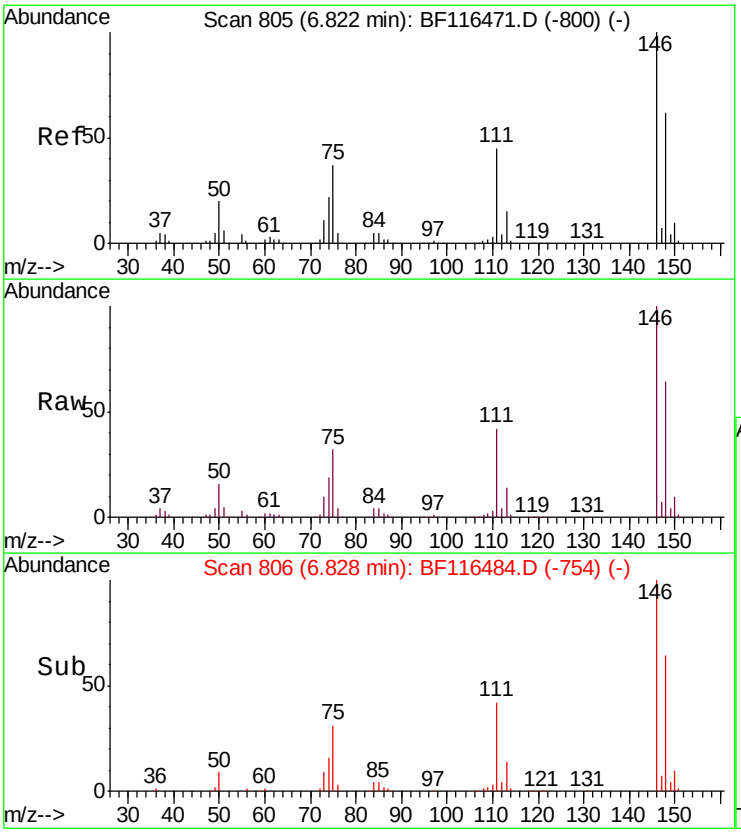
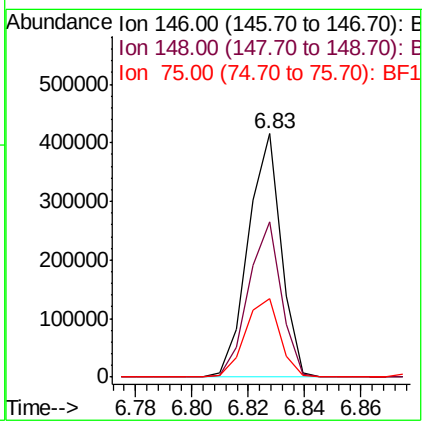
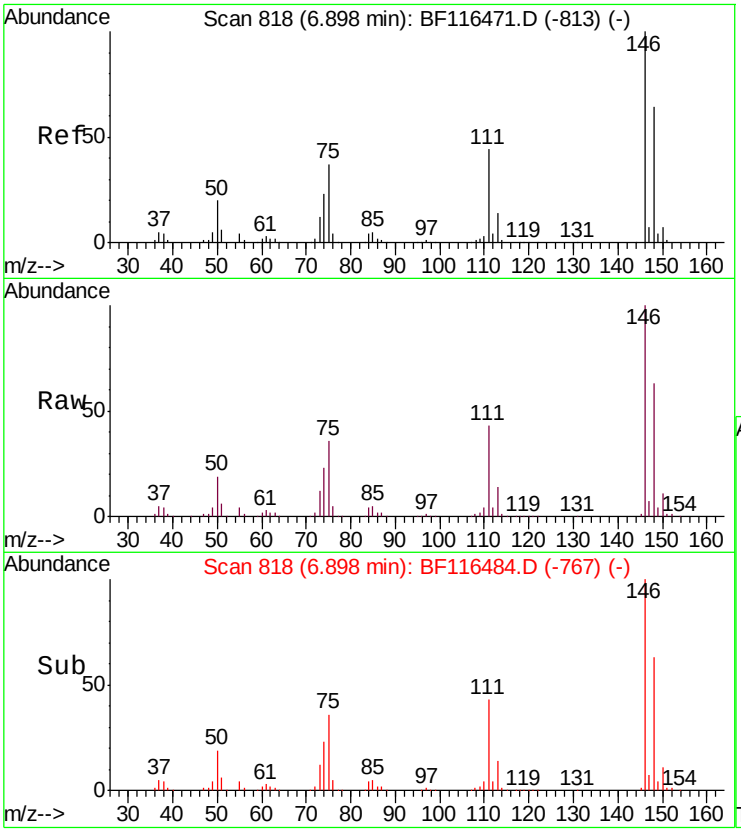



#12
1,3-Dichlorobenzene
Concen: 37.024 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:146 Resp: 335768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 49.8 | 74.8 |
| 75 | 32.1 | 29.3 | 43.9 |

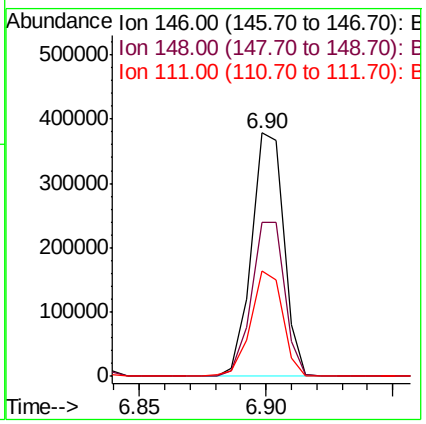





#13
1,4-Dichlorobenzene
Concen: 38.891 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:146 Resp: 339448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 51.0 | 76.4 |
| 111 | 43.2 | 35.4 | 53.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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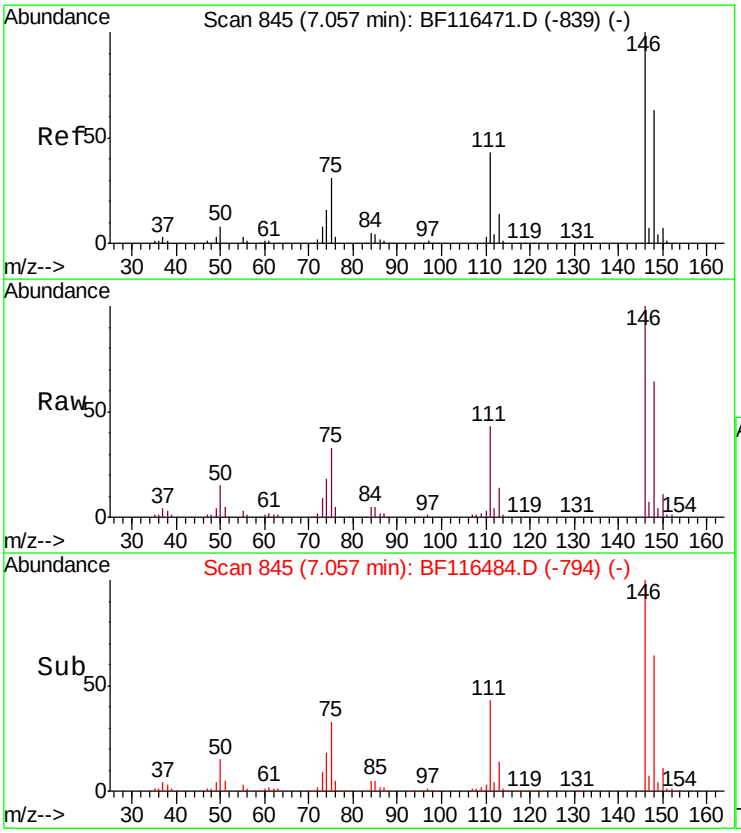
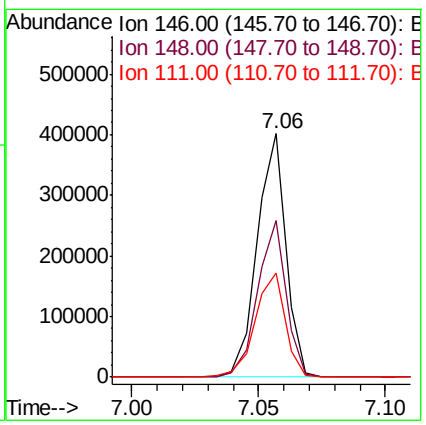
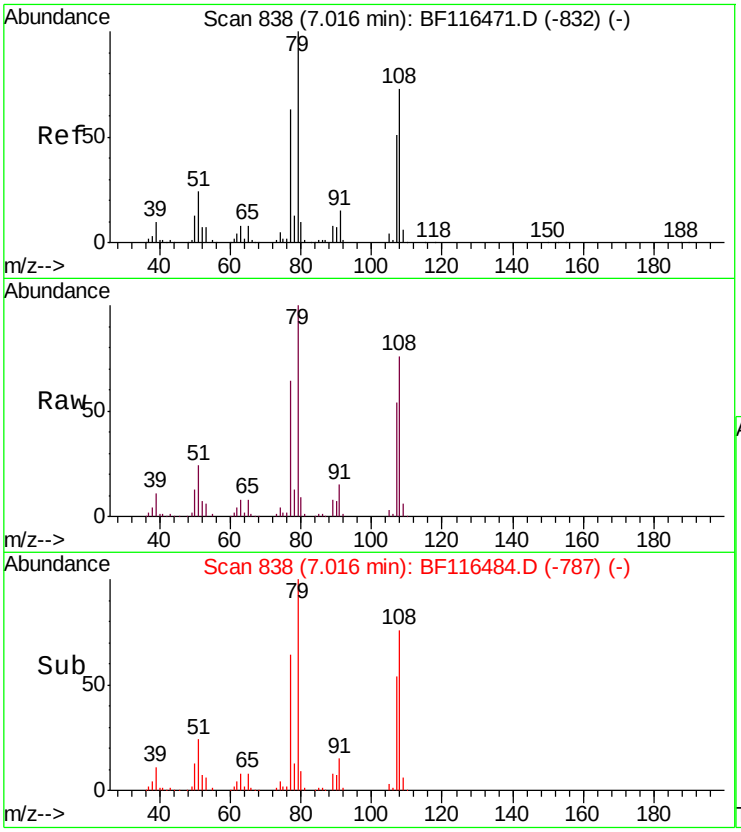



#14
1,2-Dichlorobenzene
Concen: 38.563 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:146 Resp: 317527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 50.8 | 76.2 |
| 111 | 43.0 | 34.5 | 51.7 |

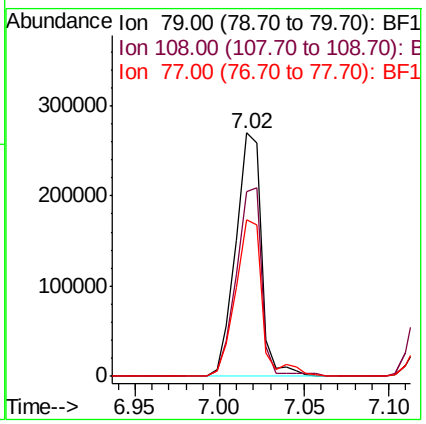





#15
Benzyl Alcohol
Concen: 36.249 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 79 Resp: 287193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 58.1 | 87.1 |
| 77 | 64.2 | 50.6 | 76.0 |




**Instrument :**
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**ClientSampleId :**
PB122393BS

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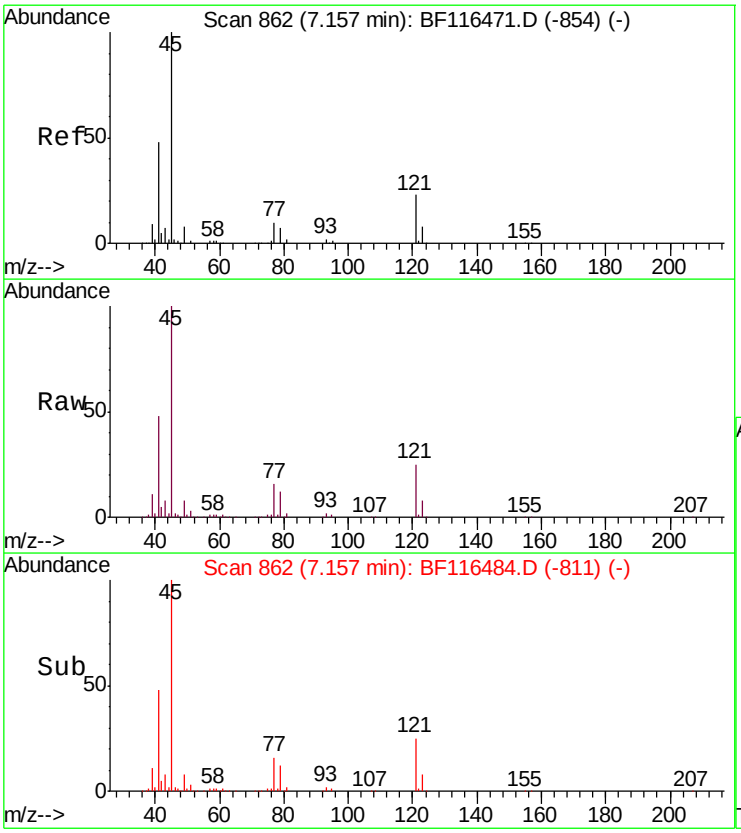
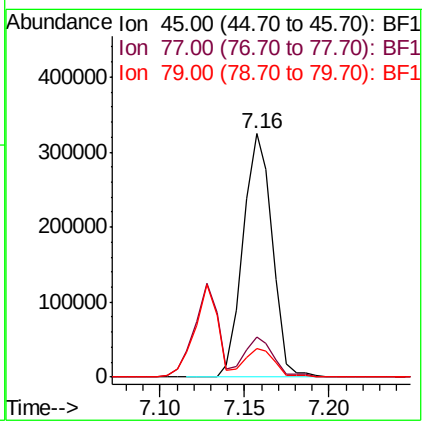
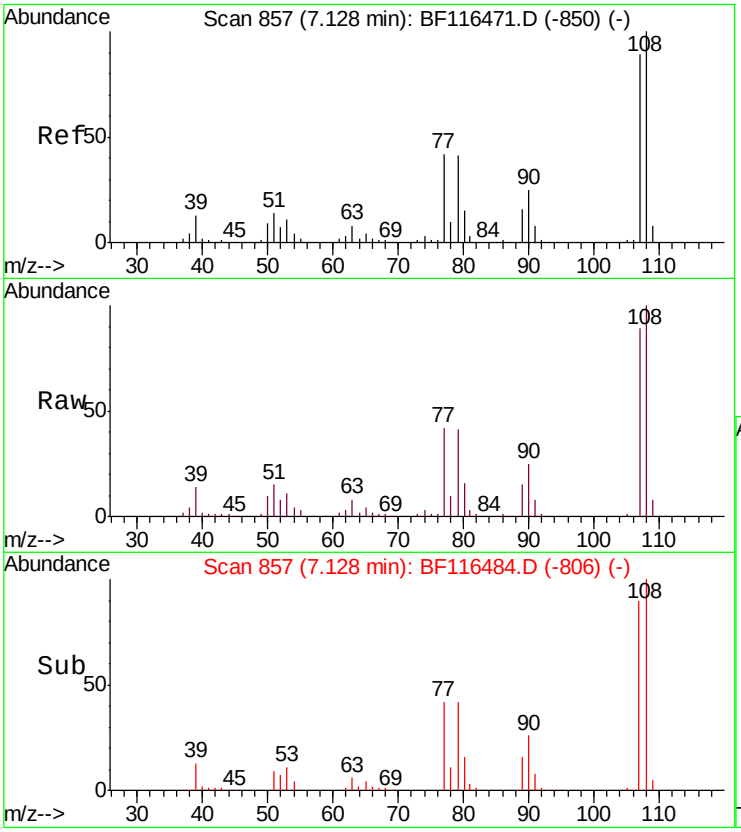



#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.985 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 45 Resp: 391543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.4 | 0.0 | 36.1 |
| 79 | 11.8 | 0.0 | 32.3 |

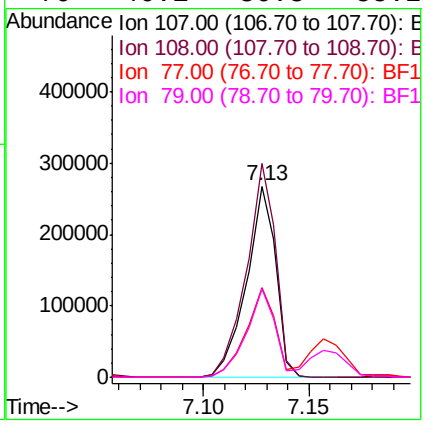





#17
2-Methylphenol
Concen: 37.235 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:107 Resp: 258485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.9 | 90.0 | 135.0 |
| 77 | 47.0 | 37.6 | 56.4 |
| 79 | 46.1 | 36.8 | 55.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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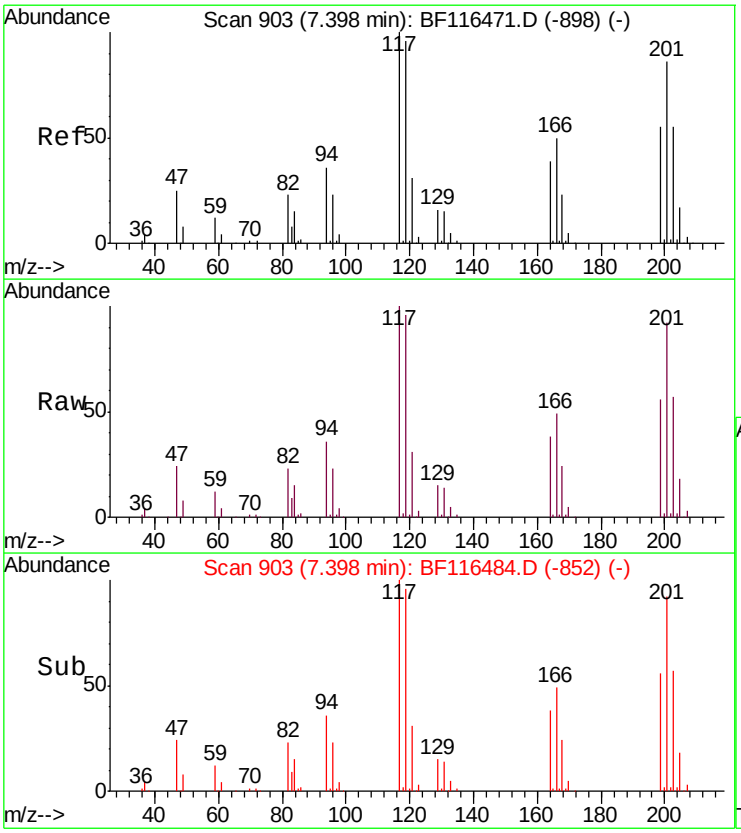
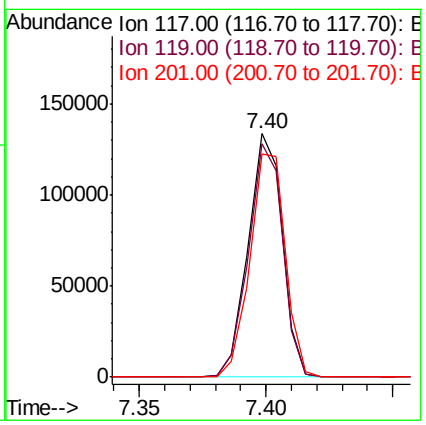
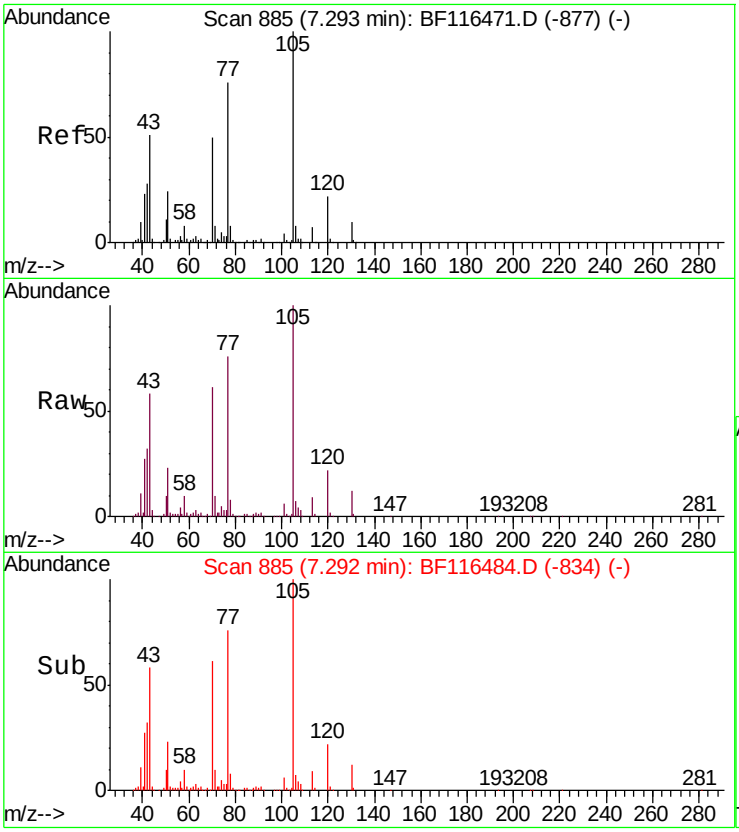



#18
Hexachloroethane
Concen: 37.011 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:117 Resp: 125987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 77.0 | 115.6 |
| 201 | 91.6 | 69.1 | 103.7 |

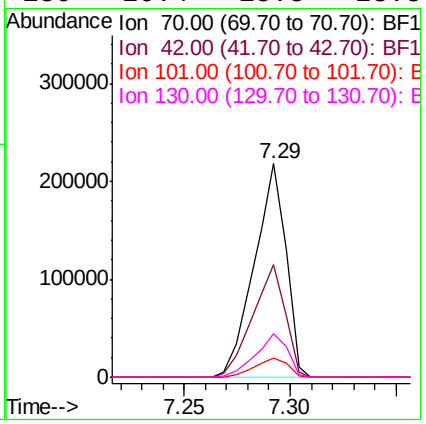





#19
n-Nitroso-di-n-propylamine
Concen: 34.132 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 70 Resp: 228008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.0 | 44.4 | 66.6 |
| 101 | 9.1 | 7.1 | 10.7 |
| 130 | 20.4 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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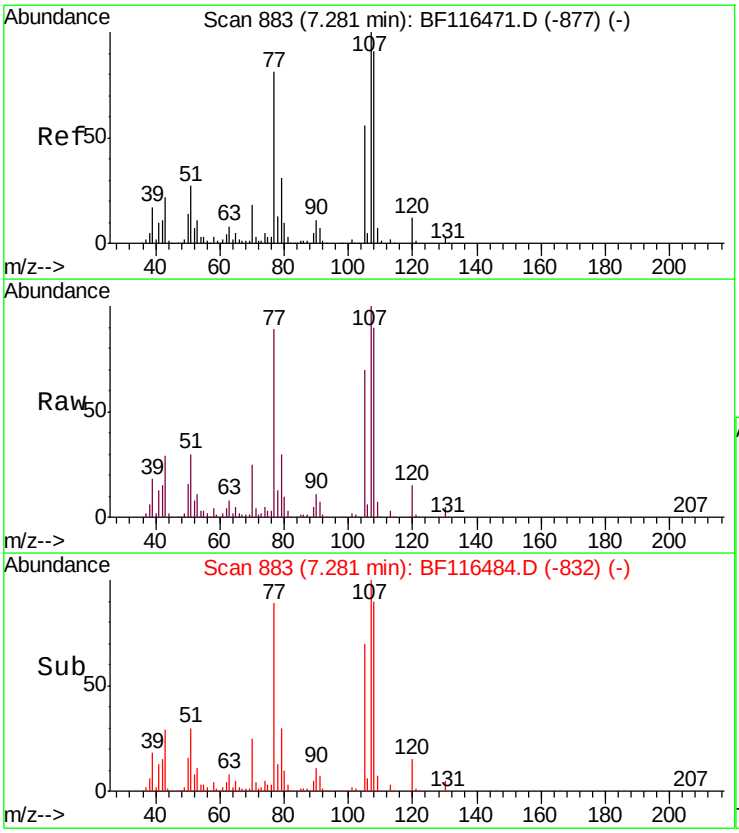
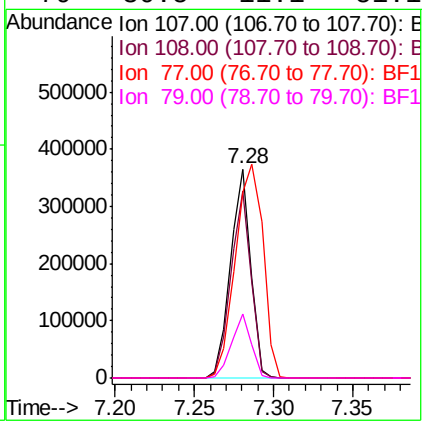
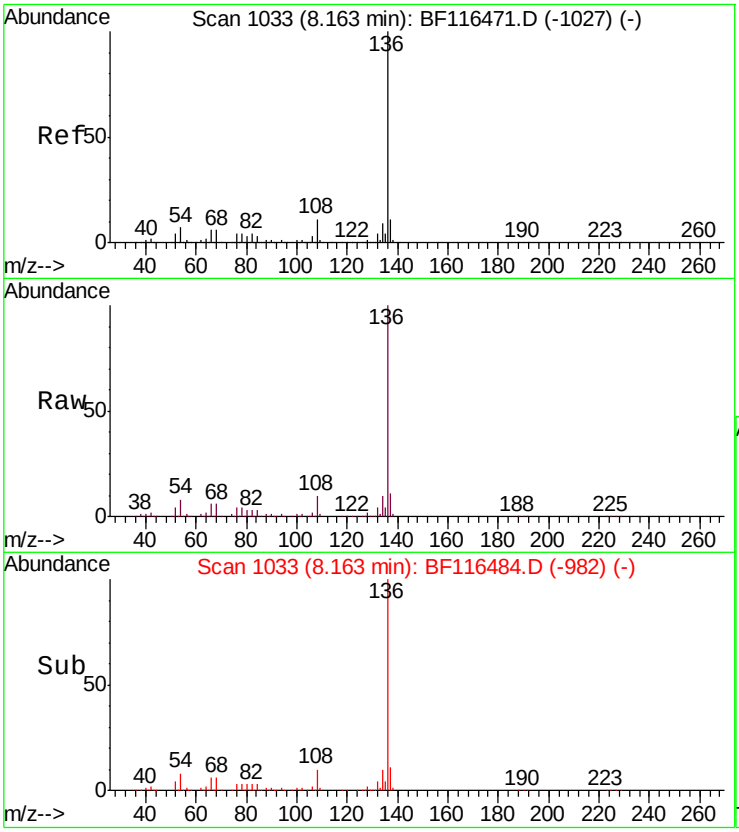



#20
3+4-Methylphenols
Concen: 38.020 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:107 Resp: 323324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.5 | 70.7 | 110.7 |
| 77 | 88.8 | 60.6 | 100.6 |
| 79 | 30.5 | 11.1 | 51.1 |

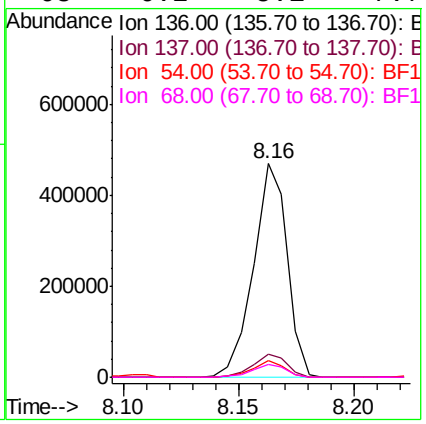





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:136 Resp: 477824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 7.6 | 5.8 | 8.6 |
| 68 | 6.2 | 5.1 | 7.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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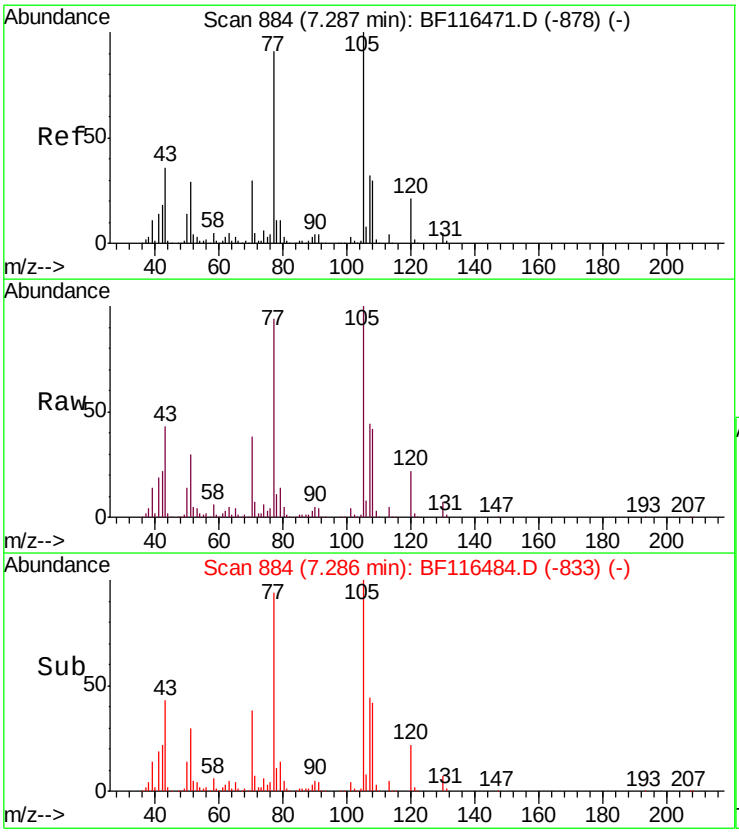
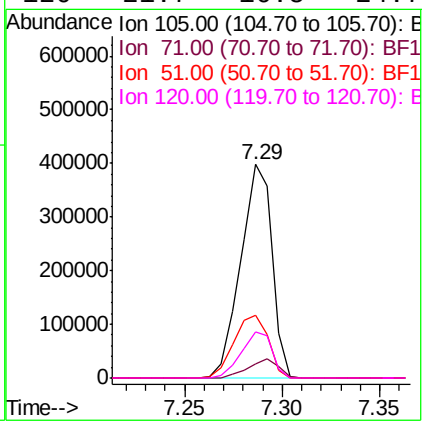
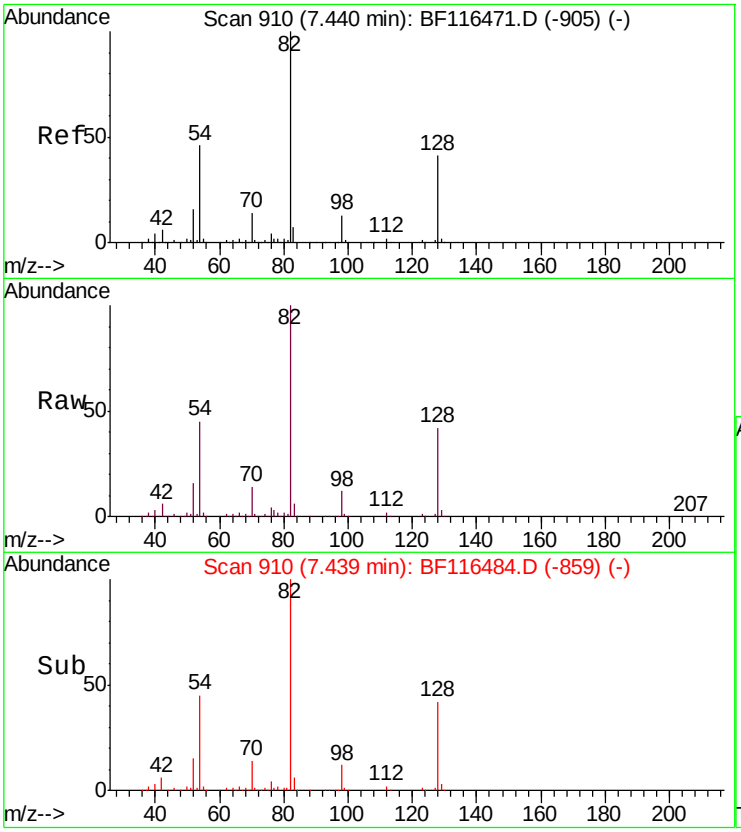



#22
Acetophenone
Concen: 37.022 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:105 Resp: 442354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 4.2 | 6.2# |
| 51 | 29.6 | 23.0 | 34.4 |
| 120 | 21.7 | 16.5 | 24.7 |

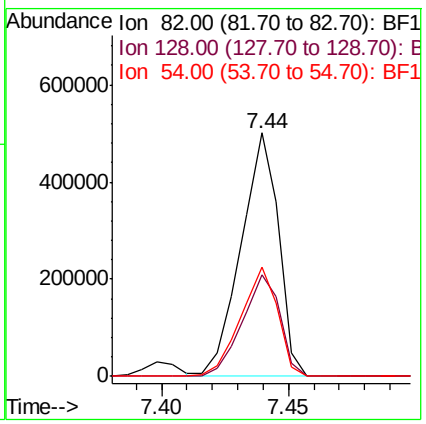





#23
Nitrobenzene-d5
Concen: 59.042 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 82 Resp: 515655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.9 | 32.2 | 48.4 |
| 54 | 44.8 | 36.5 | 54.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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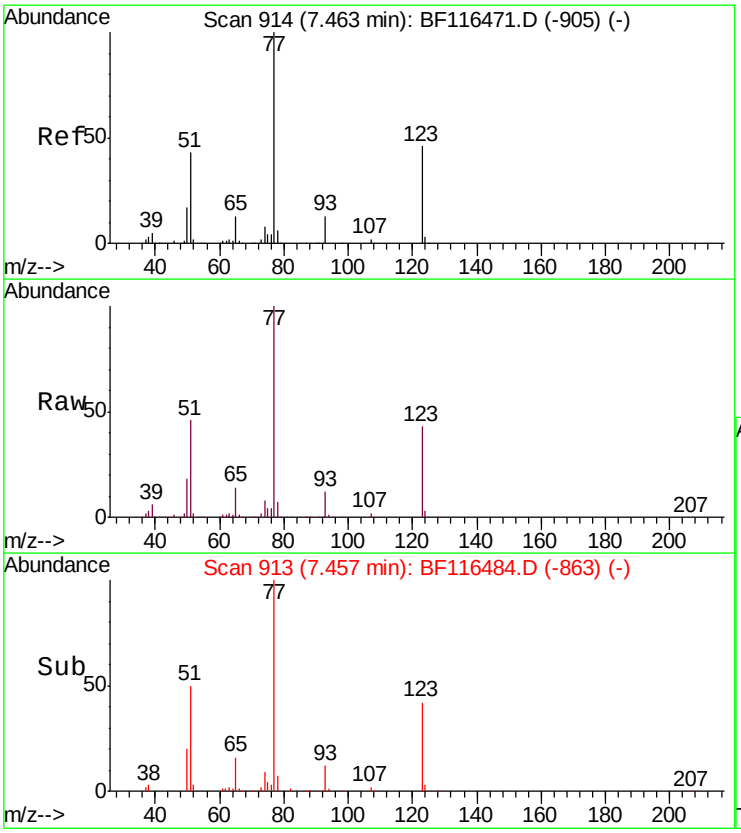
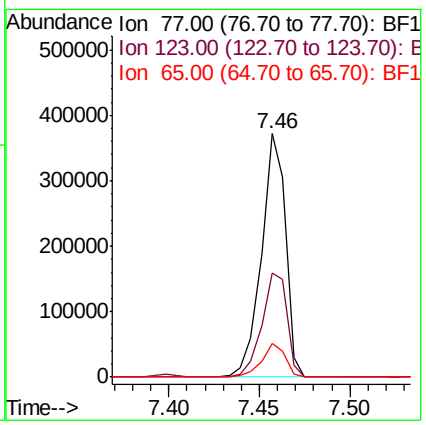
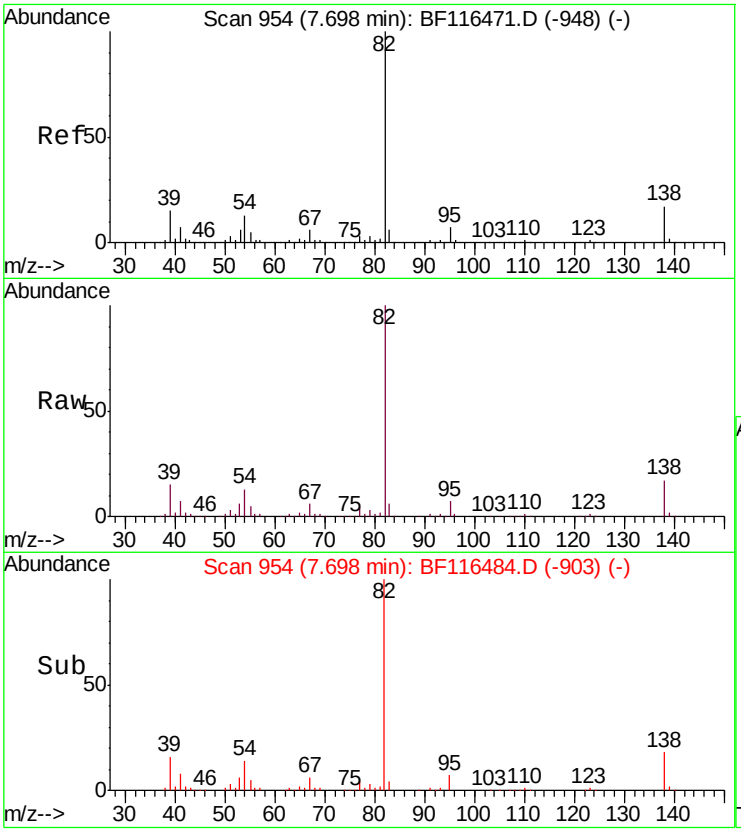



#24
Nitrobenzene
Concen: 38.018 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 77 Resp: 343863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.8 | 37.0 | 55.4 |
| 65 | 13.6 | 10.5 | 15.7 |

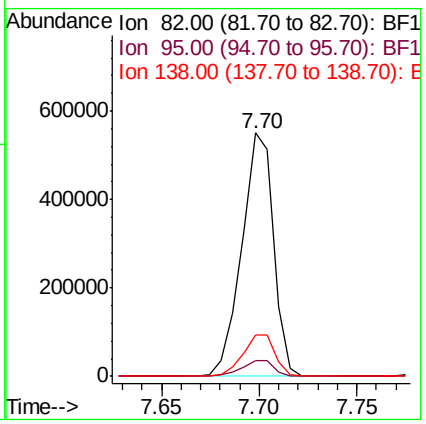





#25
Isophorone
Concen: 35.911 ng
RT: 7.70 min Scan# 954
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 82 Resp: 618079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 16.8 | 13.3 | 19.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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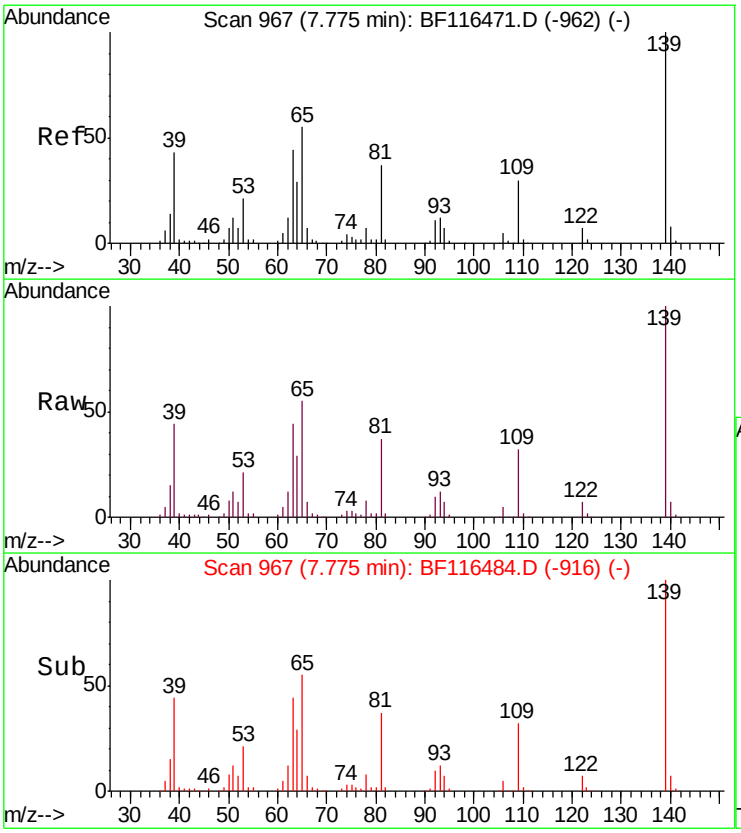
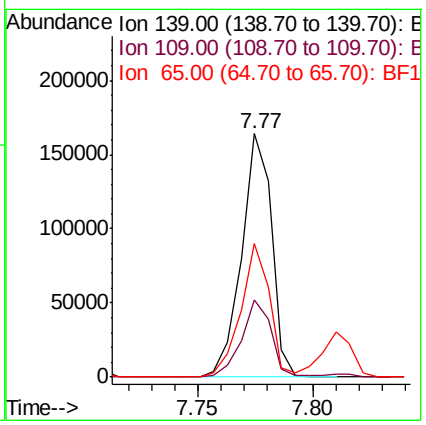
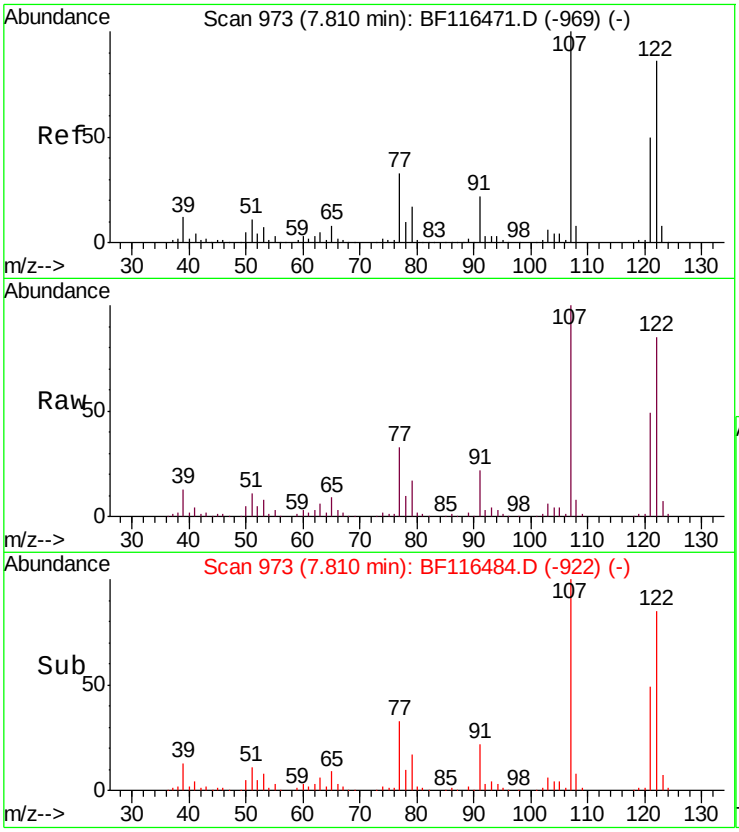



#26
2-Nitrophenol
Concen: 45.240 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:139 Resp: 149461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.7 | 24.3 | 36.5 |
| 65 | 55.0 | 44.0 | 66.0 |

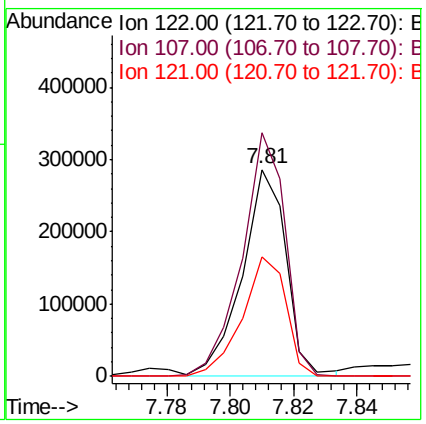





#27
2,4-Dimethylphenol
Concen: 40.032 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:122 Resp: 275957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.7 | 92.4 | 138.6 |
| 121 | 58.0 | 46.2 | 69.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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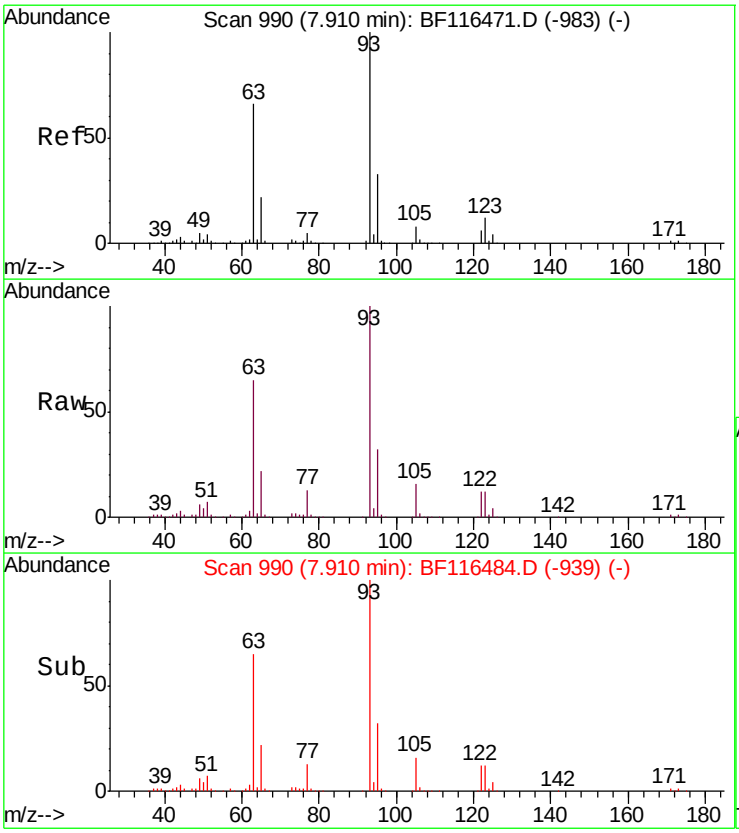
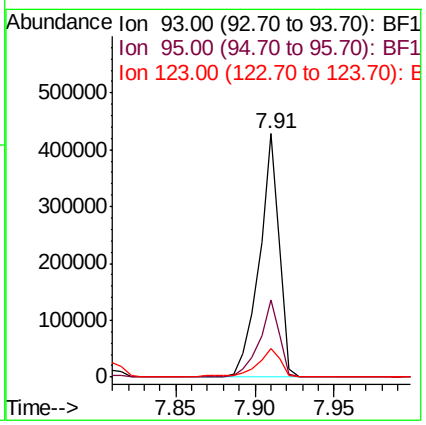
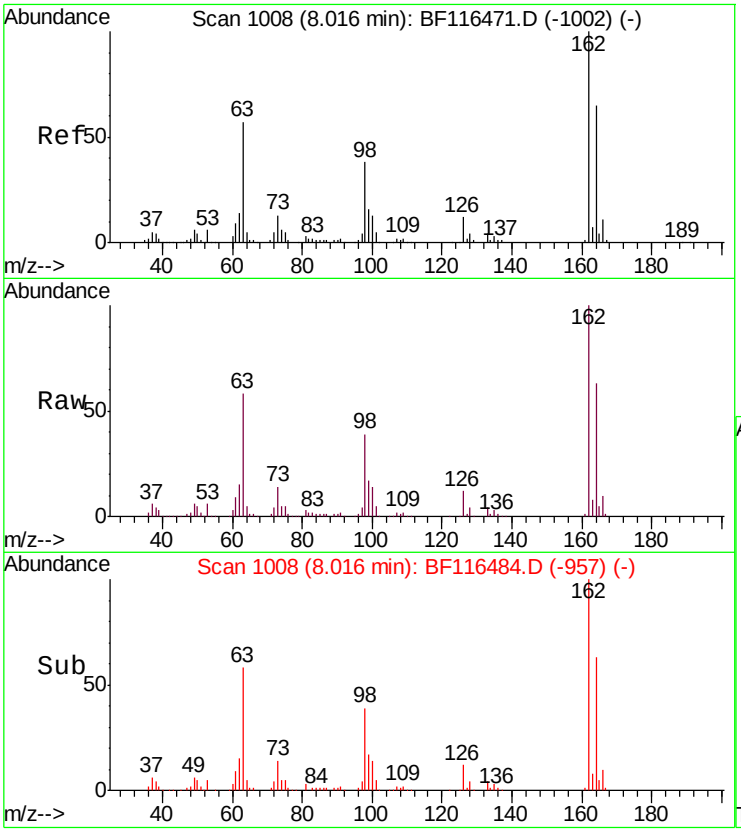



#28
bis(2-Chloroethoxy)methane
Concen: 35.311 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 93 Resp: 375324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.8 | 26.3 | 39.5 |
| 123 | 11.9 | 9.8 | 14.6 |

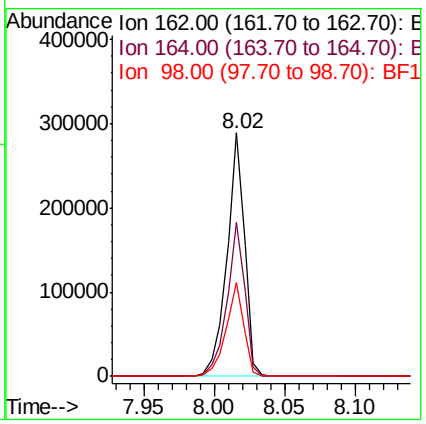





#29
2,4-Dichlorophenol
Concen: 38.260 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:162 Resp: 250822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.0 | 44.9 | 84.9 |
| 98 | 38.6 | 17.9 | 57.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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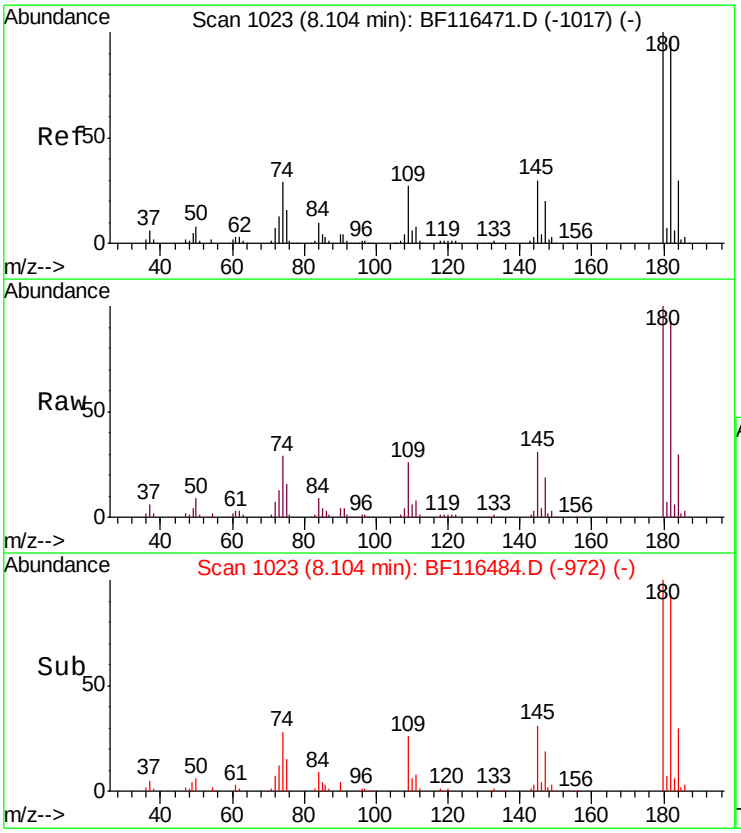
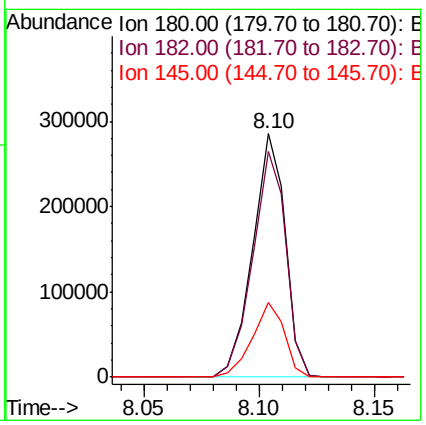
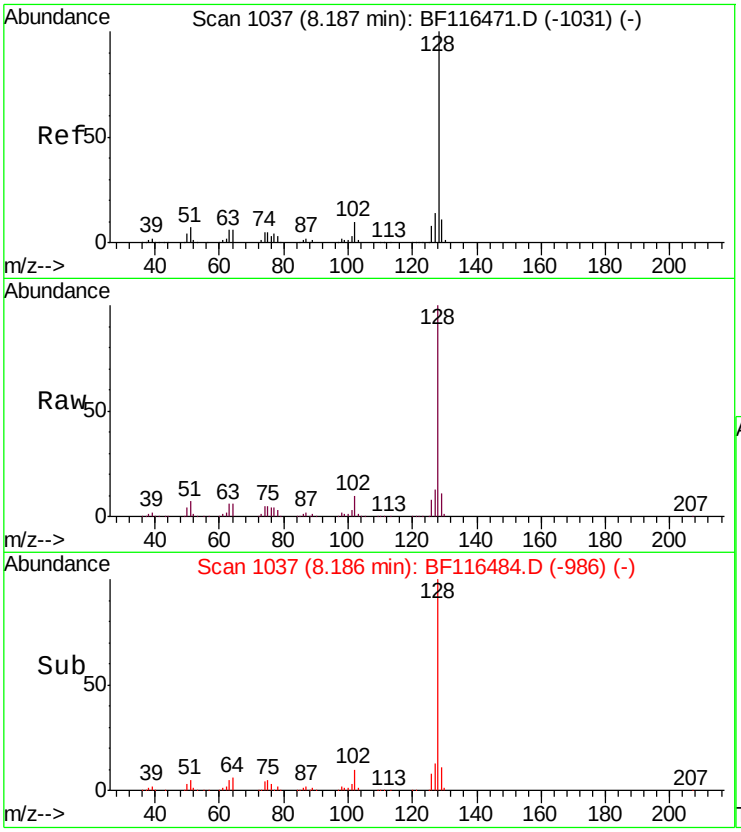



#30
1,2,4-Trichlorobenzene
Concen: 37.976 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:180 Resp: 280269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.8 | 77.4 | 116.0 |
| 145 | 30.6 | 24.3 | 36.5 |

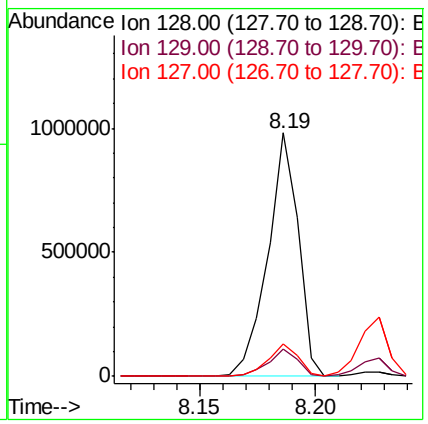





#31
Naphthalene
Concen: 38.912 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:128 Resp: 899453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.6 |
| 127 | 13.3 | 10.9 | 16.3 |




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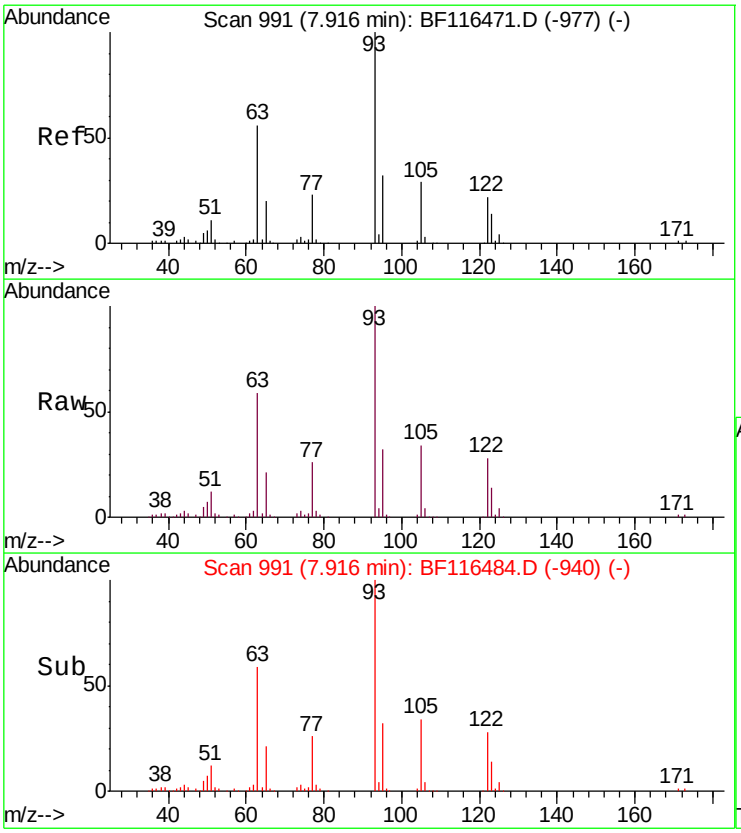
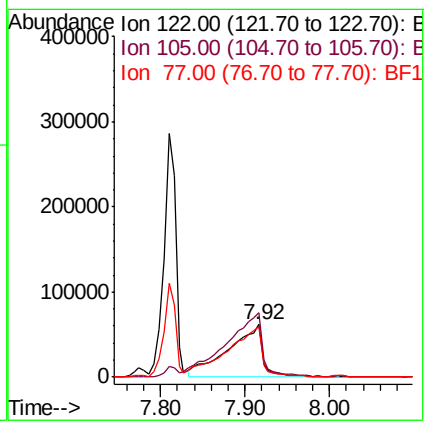
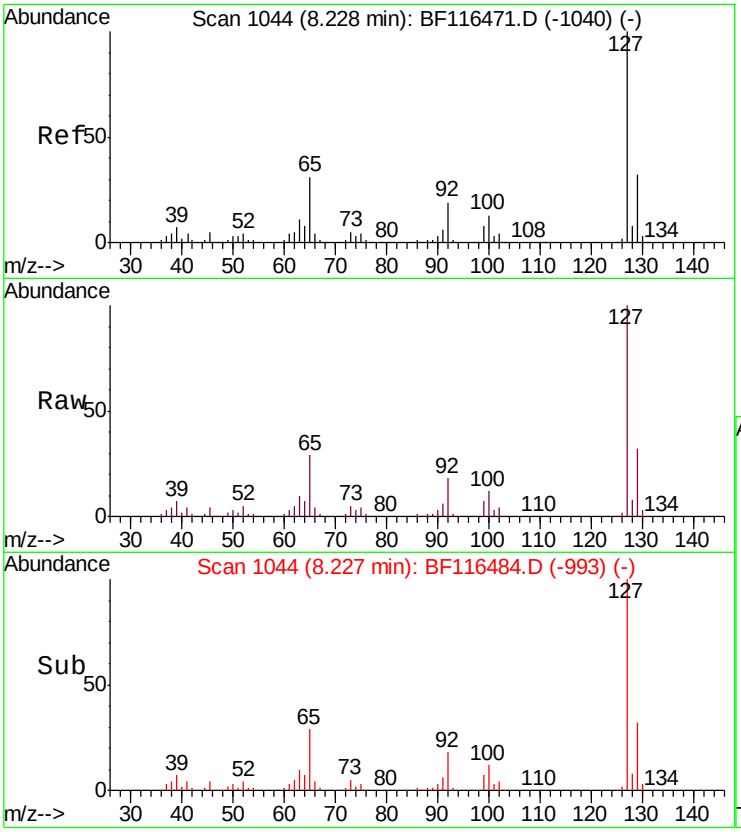



#32
Benzoic acid
Concen: 39.291 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:122 Resp: 173151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.8 | 109.9 | 149.9 |
| 77 | 95.1 | 84.9 | 124.9 |

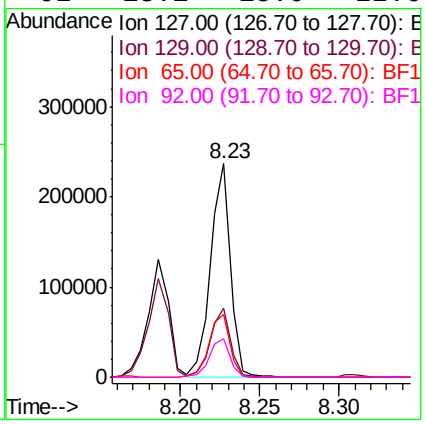





#33
4-Chloroaniline
Concen: 20.322 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:127 Resp: 206221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.7 | 38.5 |
| 65 | 29.1 | 25.0 | 37.6 |
| 92 | 18.1 | 15.0 | 22.6 |




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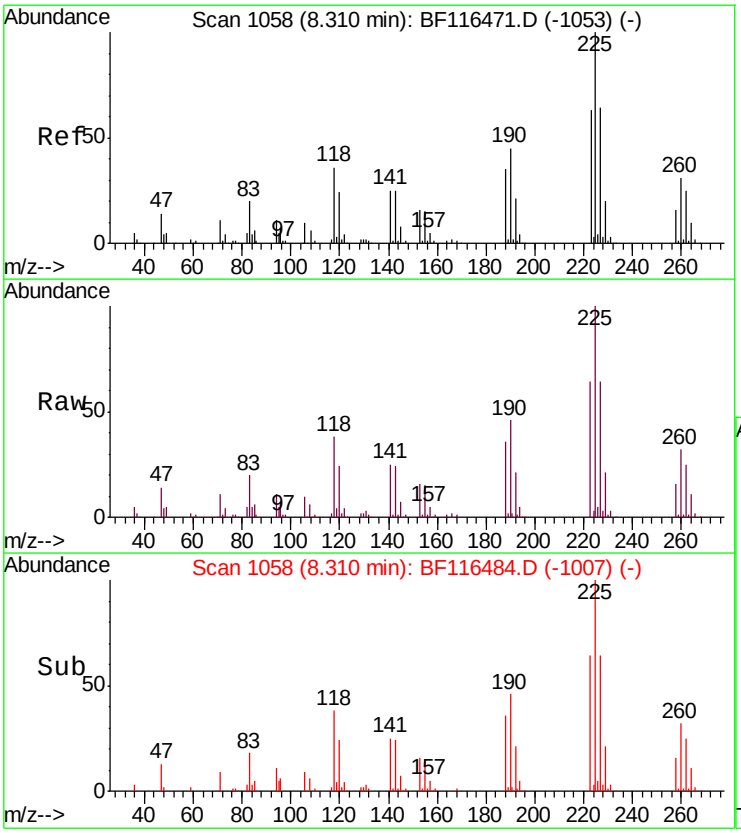
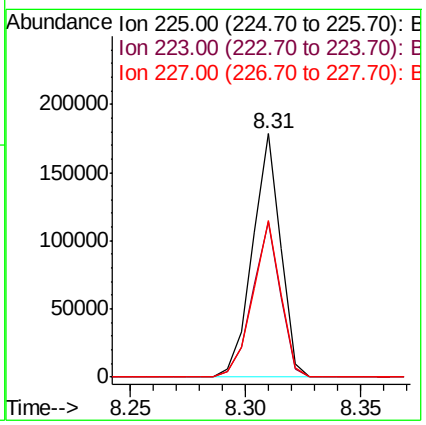
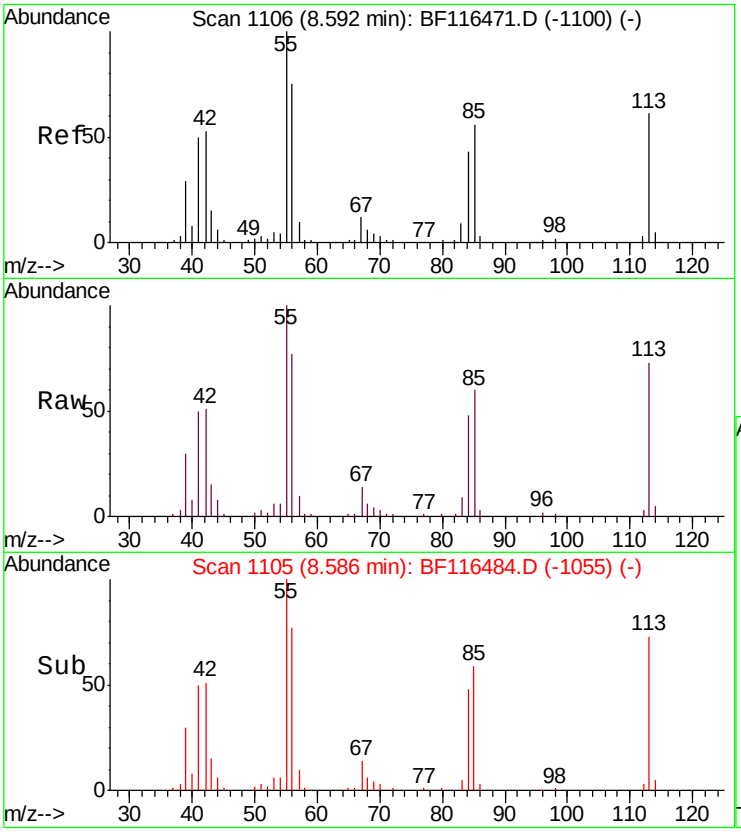



#34
Hexachlorobutadiene
Concen: 37.689 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:225 Resp: 151696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 50.3 | 75.5 |
| 227 | 64.4 | 51.0 | 76.4 |

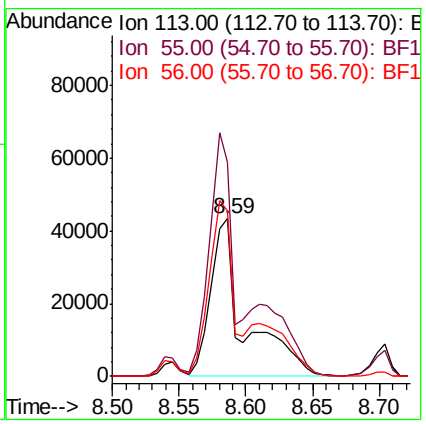





#35
Caprolactam
Concen: 33.796 ng m
RT: 8.59 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:113 Resp: 77174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.2 | 143.6 | 183.6# |
| 56 | 104.6 | 102.3 | 142.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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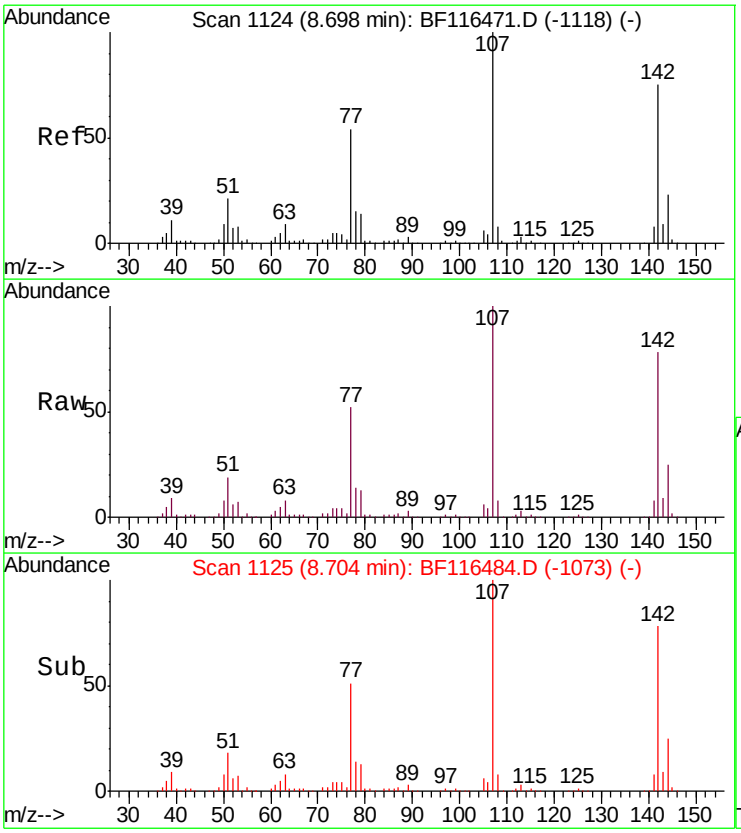
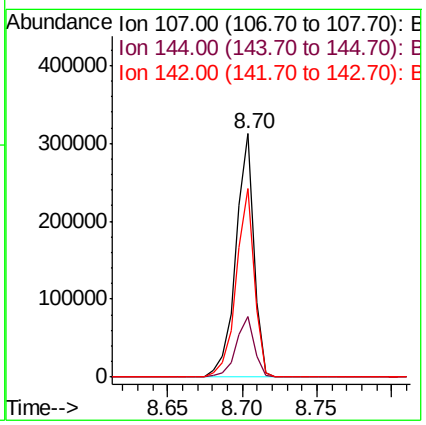
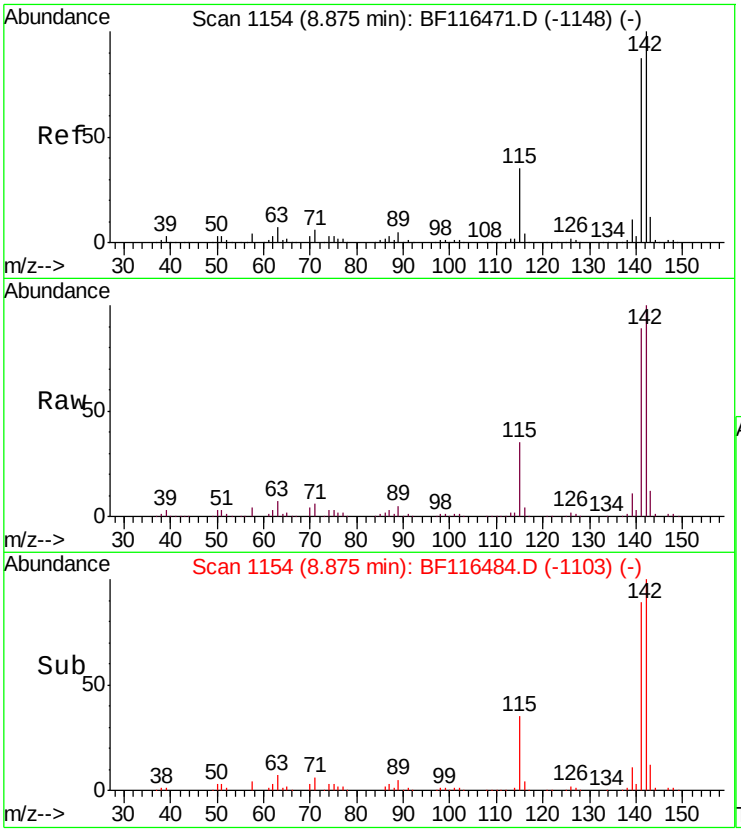



#36
4-Chloro-3-methylphenol
Concen: 36.105 ng
RT: 8.70 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:107 Resp: 267061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 18.8 | 28.2 |
| 142 | 77.7 | 59.8 | 89.6 |

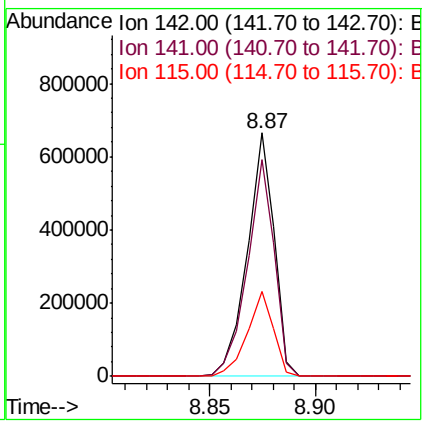





#37
2-Methylnaphthalene
Concen: 37.218 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:142 Resp: 590687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 69.8 | 104.6 |
| 115 | 35.1 | 27.7 | 41.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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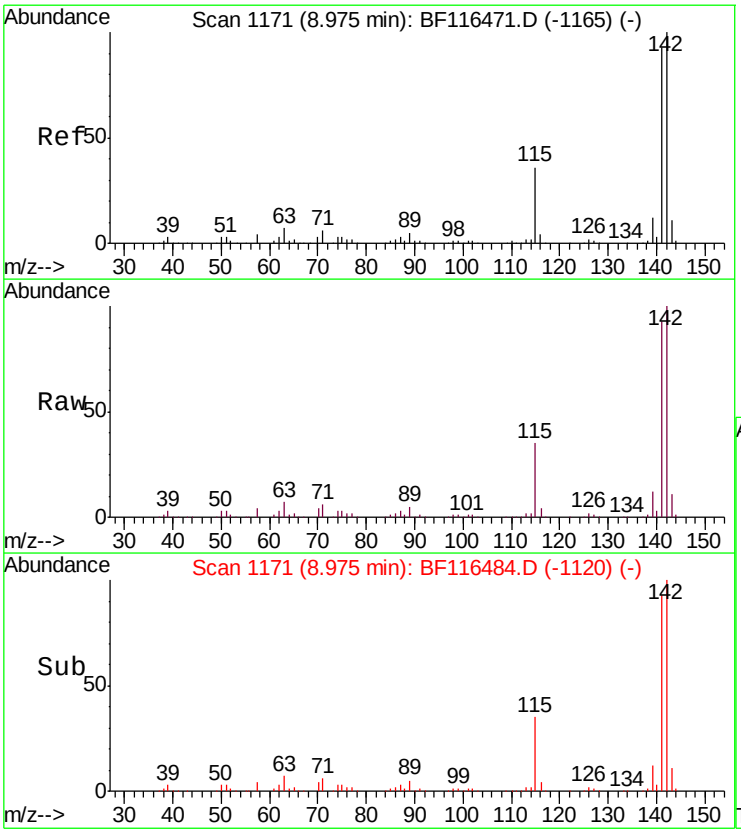
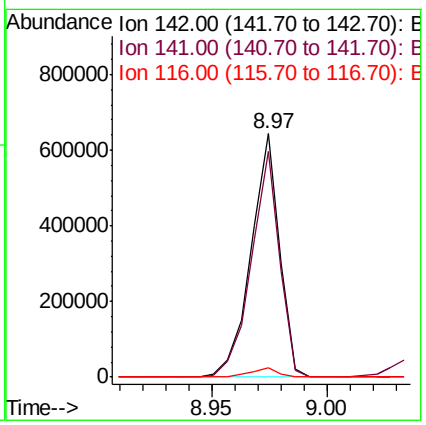
8/28/2019 8:09:44 AM

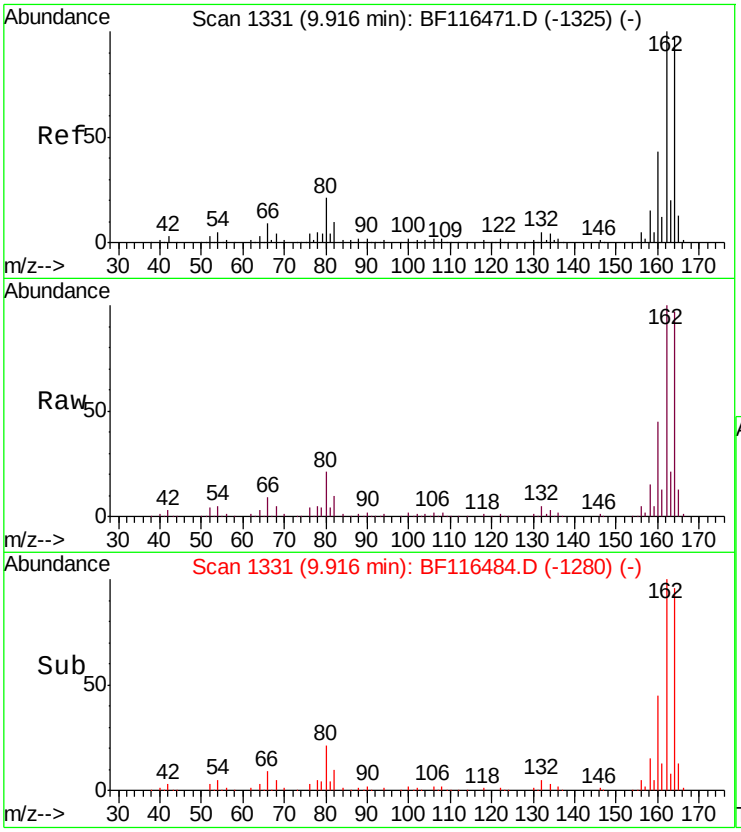



#38
1-Methylnaphthalene
Concen: 37.280 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:142 Resp: 552703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.7 | 74.2 | 111.2 |
| 116 | 3.7 | 2.9 | 4.3 |

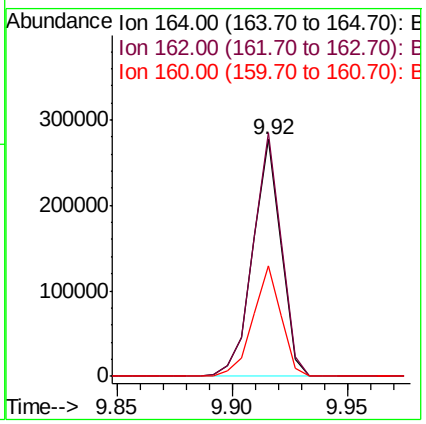





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:164 Resp: 238018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 82.6 | 123.8 |
| 160 | 46.4 | 35.8 | 53.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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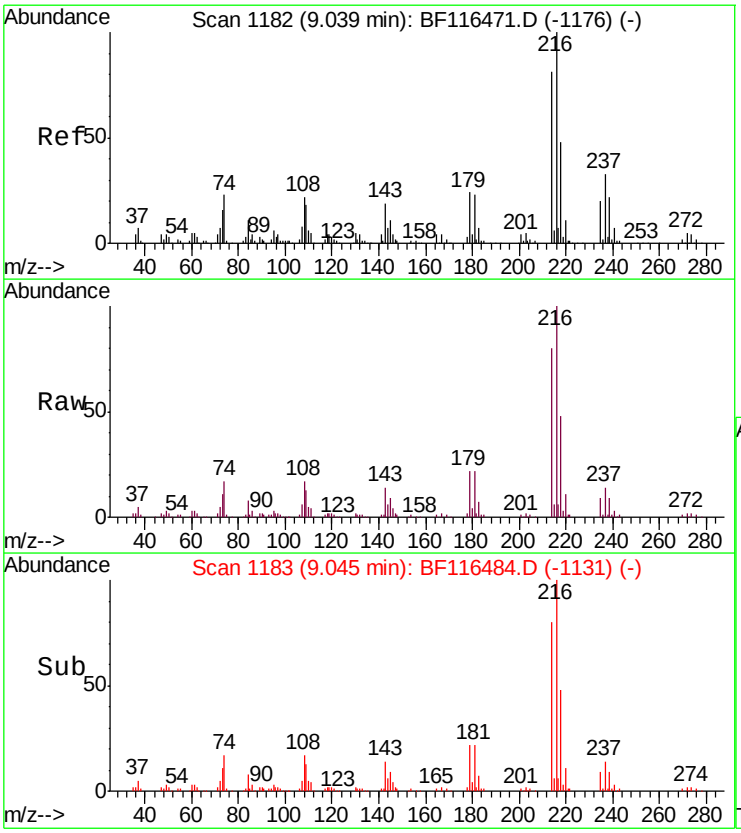
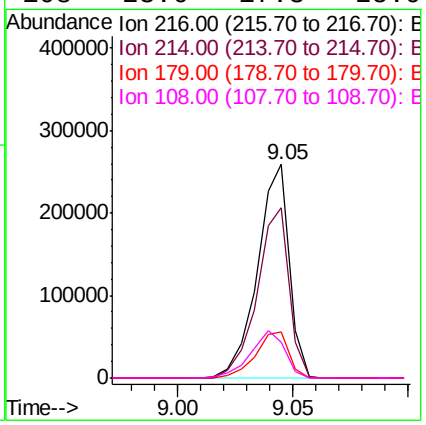
8/28/2019 8:09:44 AM

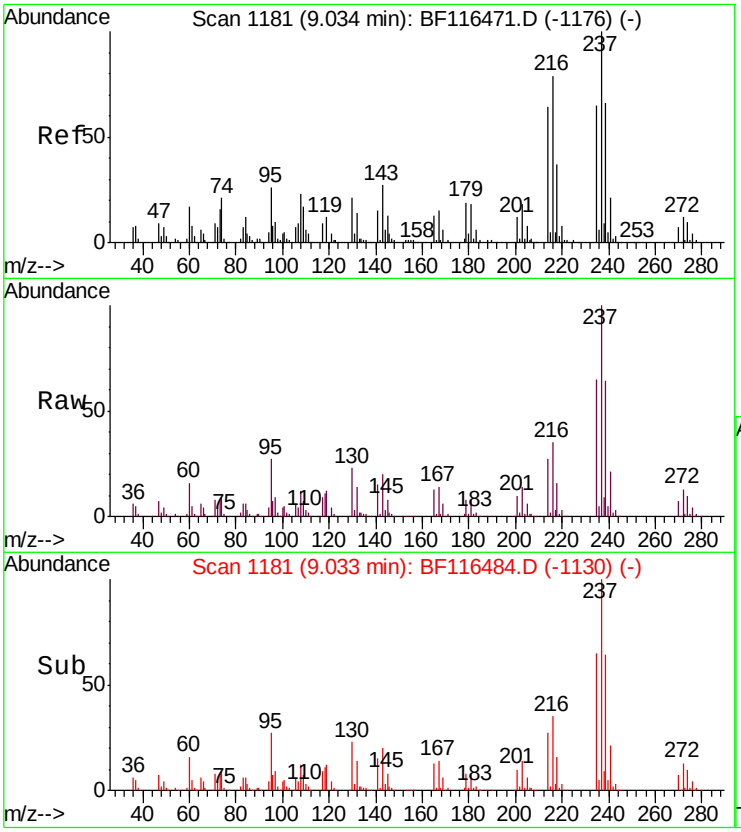



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.733 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:216 Resp: 248037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.9 | 63.8 | 95.8 |
| 179 | 22.5 | 18.5 | 27.7 |
| 108 | 23.6 | 17.3 | 25.9 |

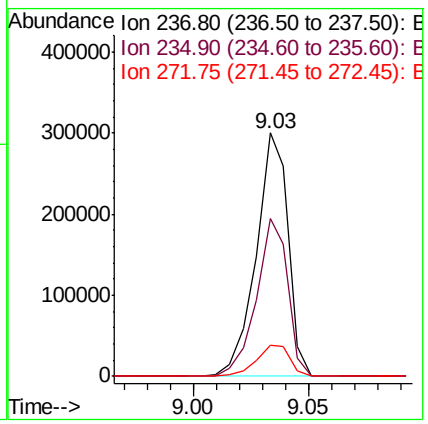





#41
Hexachlorocyclopentadiene
Concen: 83.825 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:237 Resp: 288811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.7 | 44.8 | 84.8 |
| 272 | 12.8 | 0.0 | 32.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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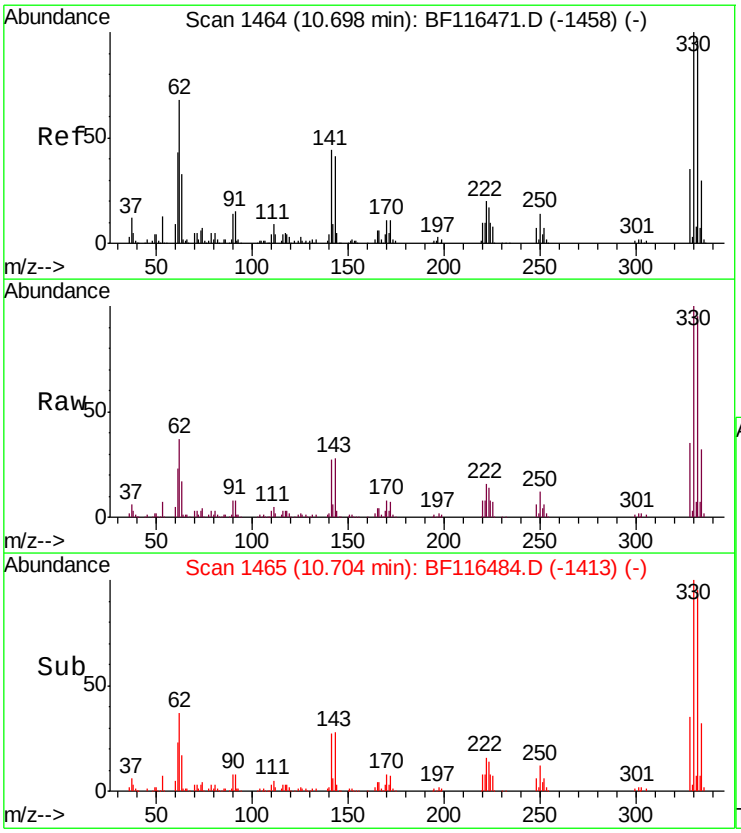
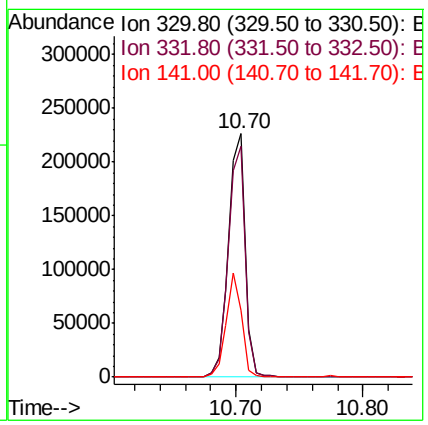
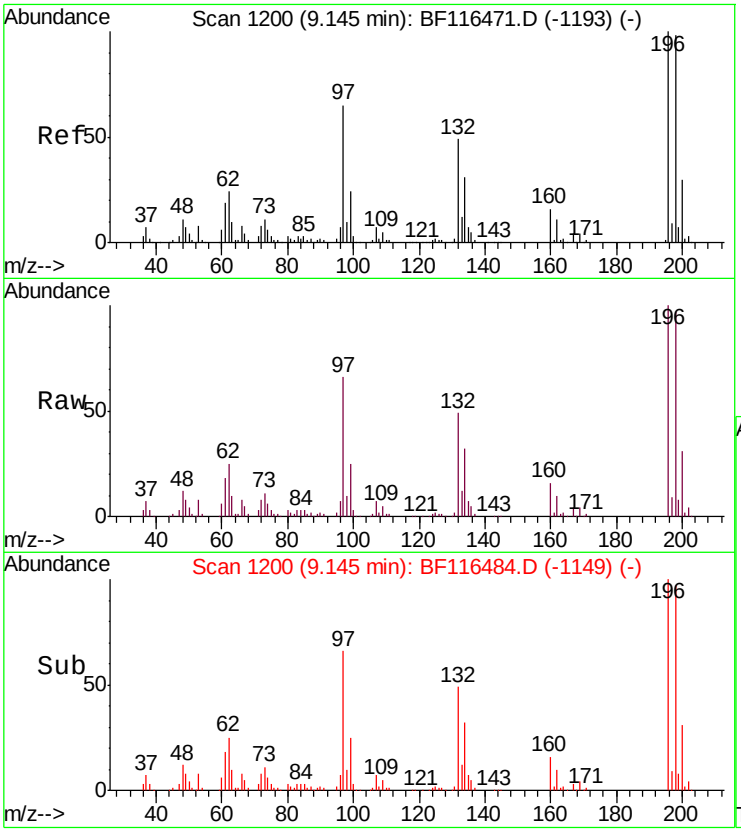



#42
2,4,6-Tribromophenol
Concen: 100.791 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:330 Resp: 205997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.2 | 115.8 |
| 141 | 39.7 | 33.3 | 49.9 |

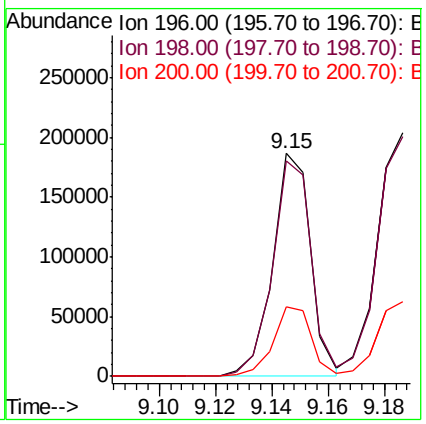





#43
2,4,6-Trichlorophenol
Concen: 38.780 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:196 Resp: 173803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.9 | 78.0 | 117.0 |
| 200 | 30.9 | 24.2 | 36.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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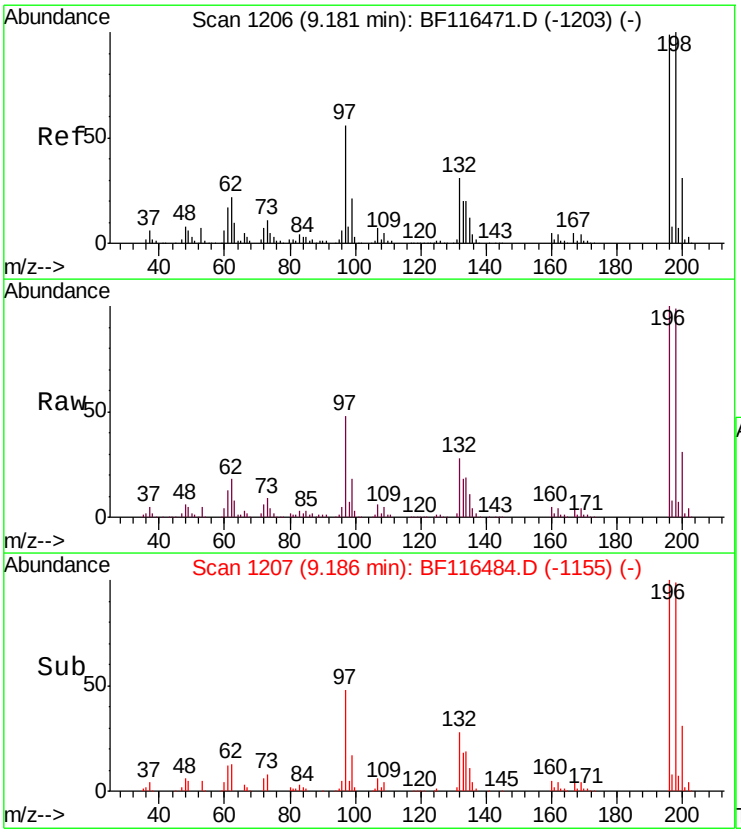
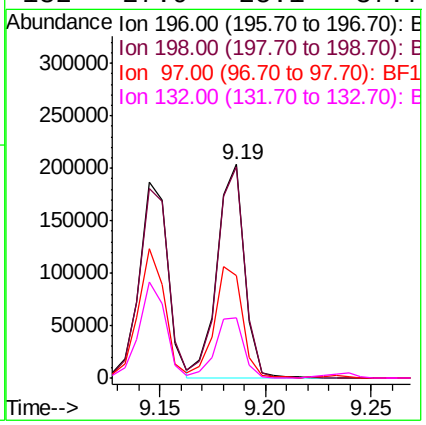
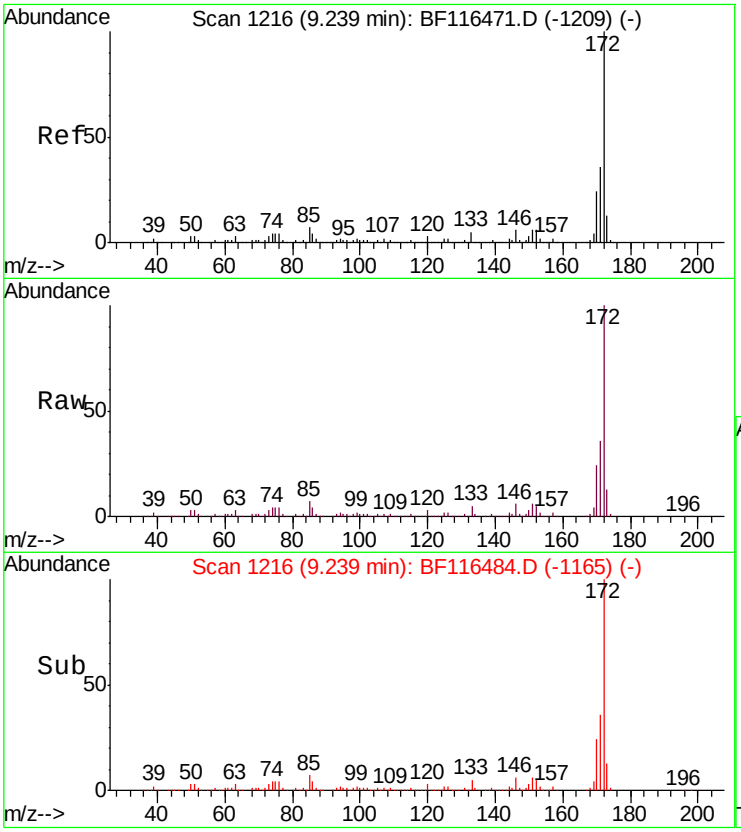



#44
2,4,5-Trichlorophenol
Concen: 39.709 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:196 Resp: 181083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.6 | 80.8 | 121.2 |
| 97 | 47.9 | 45.7 | 68.5 |
| 132 | 27.9 | 25.1 | 37.7 |

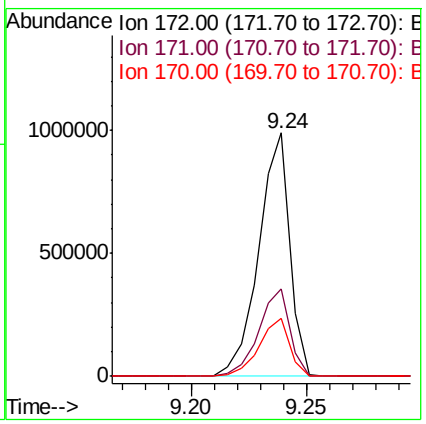





#45
2-Fluorobiphenyl
Concen: 62.781 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:172 Resp: 927909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.9 | 43.3 |
| 170 | 23.7 | 19.4 | 29.0 |




**Instrument :**
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**ClientSampleId :**
PB122393BS

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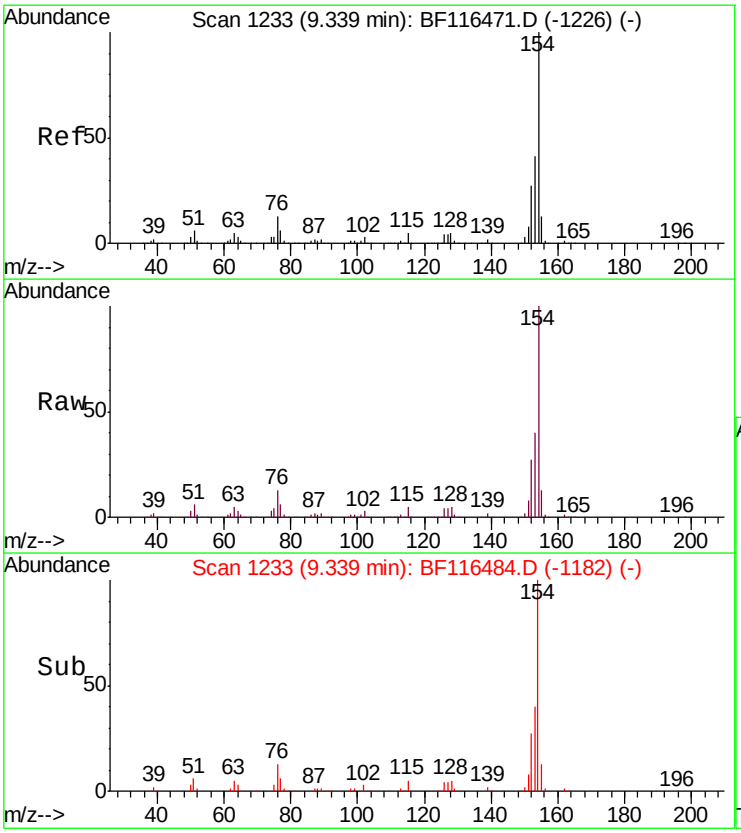
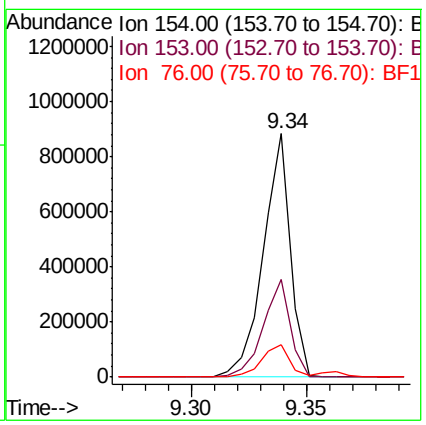
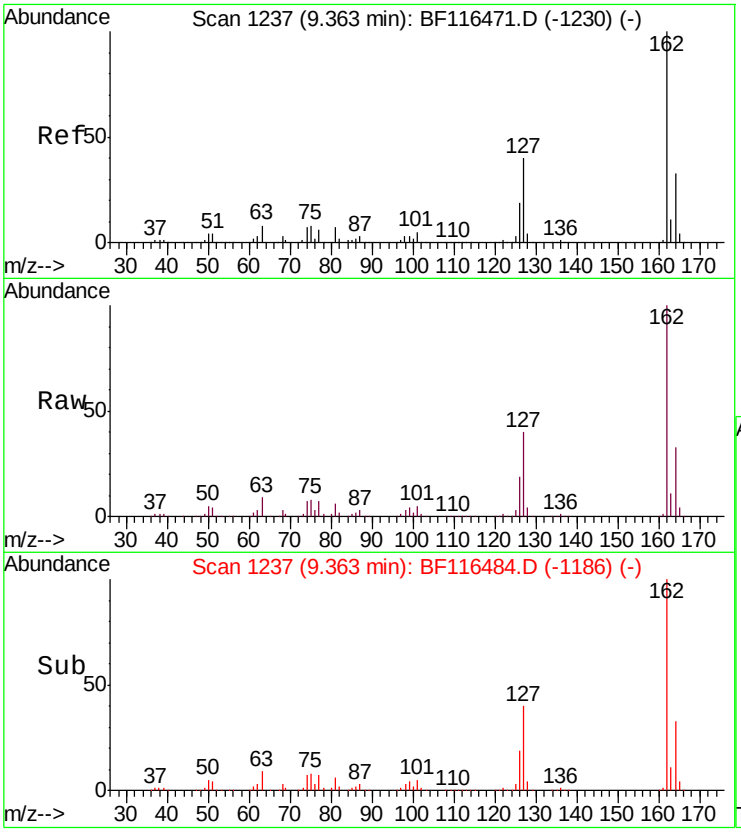



#46
1,1'-Biphenyl
Concen: 37.842 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:154 Resp: 720124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 21.3 | 61.3 |
| 76 | 13.1 | 0.0 | 32.9 |

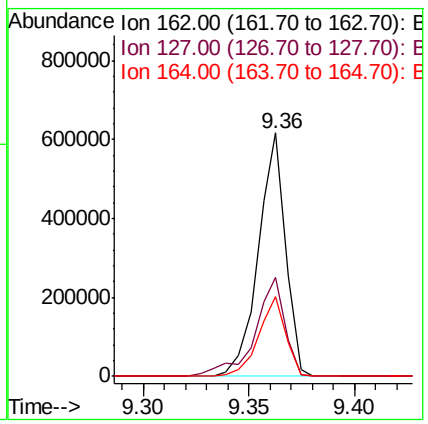





#47
2-Chloronaphthalene
Concen: 37.345 ng
RT: 9.36 min Scan# 1237
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:162 Resp: 550957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.5 | 32.5 | 48.7 |
| 164 | 32.8 | 26.7 | 40.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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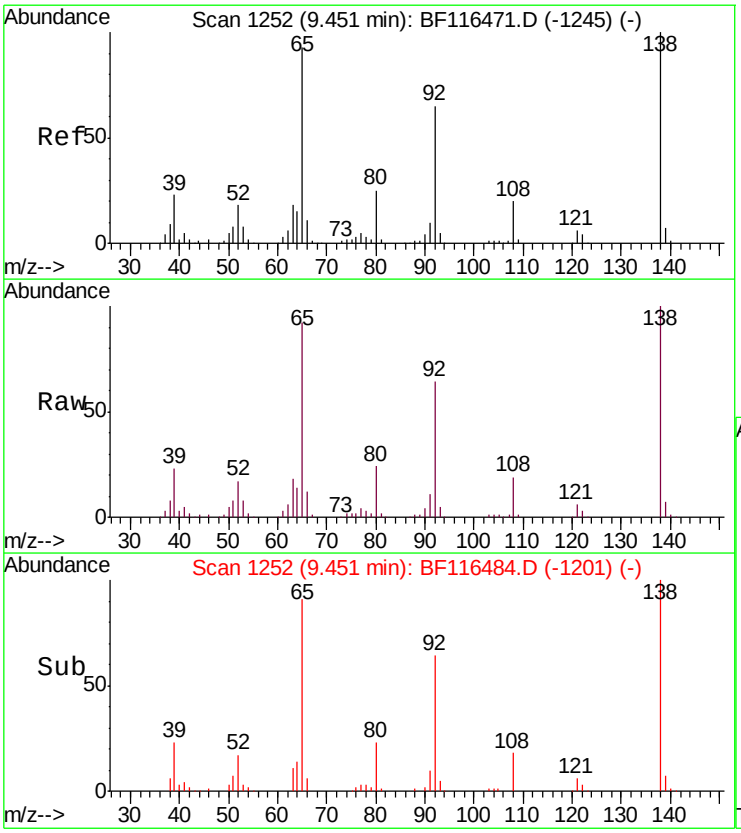
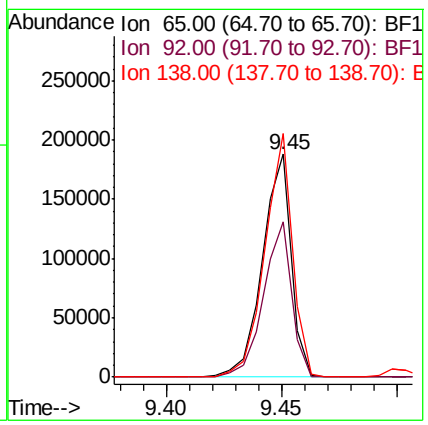
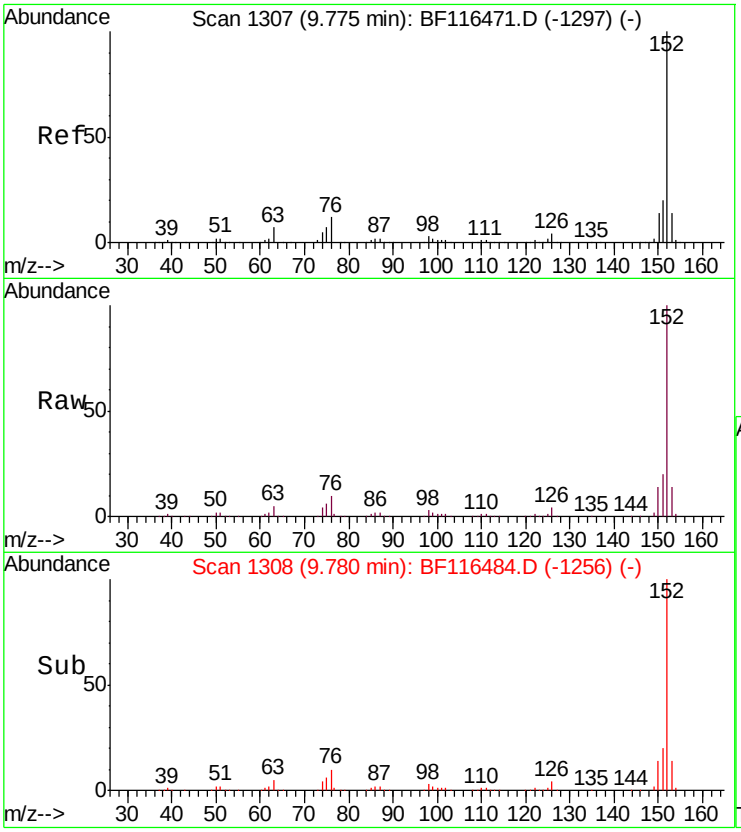



#48
2-Nitroaniline
Concen: 36.074 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 65 Resp: 162952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.6 | 56.2 | 84.2 |
| 138 | 109.2 | 86.0 | 129.0 |

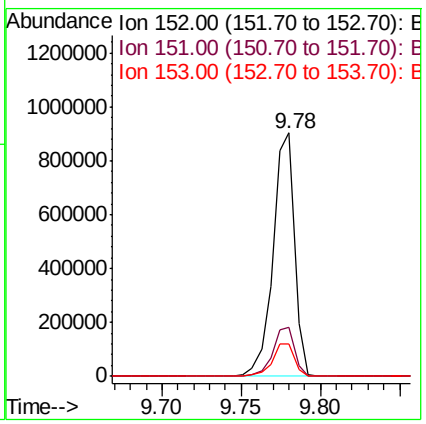





#49
Acenaphthylene
Concen: 39.541 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:152 Resp: 853480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.1 | 24.1 |
| 153 | 13.5 | 11.4 | 17.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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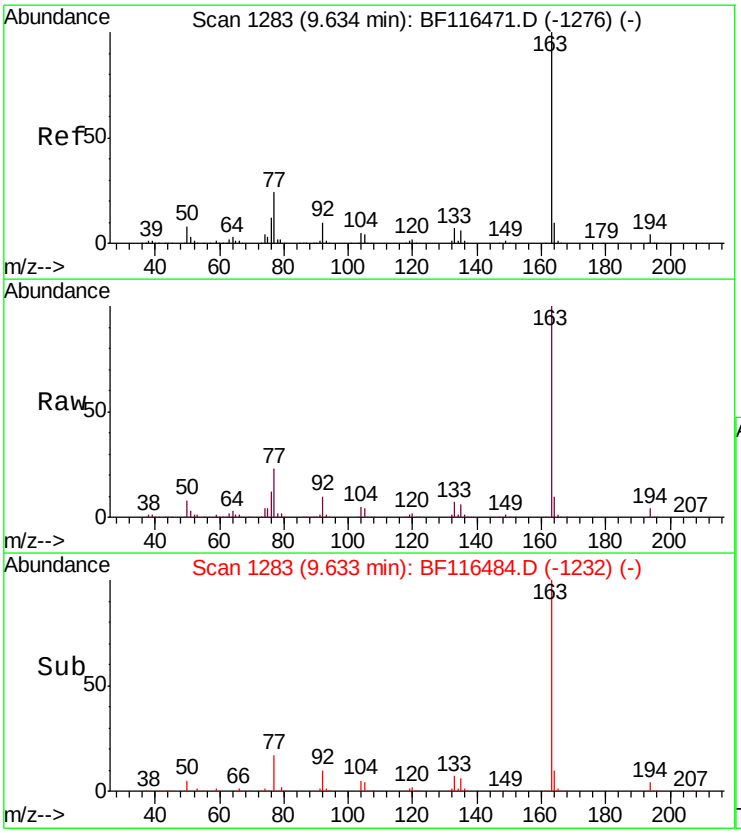
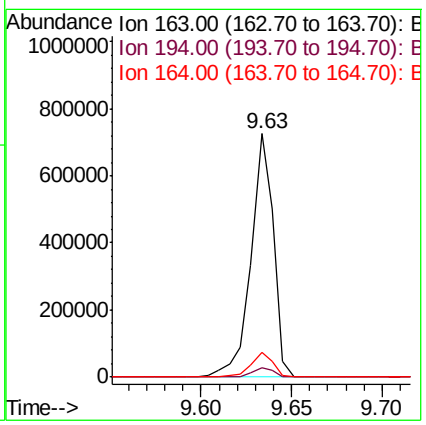
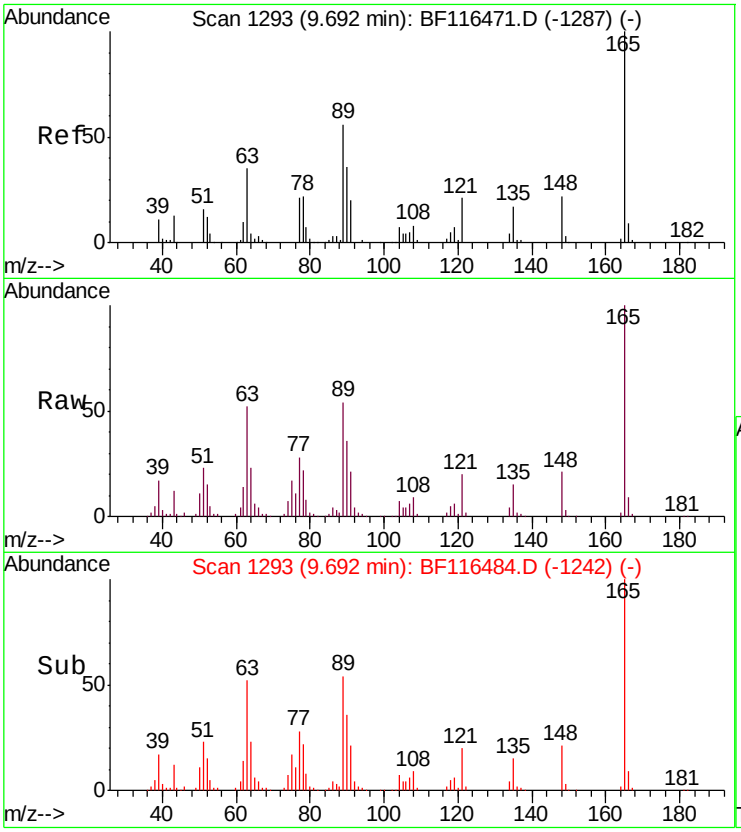



#50
Dimethylphthalate
Concen: 37.437 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:163 Resp: 621699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 2.9 | 4.3 |
| 164 | 9.9 | 8.2 | 12.2 |

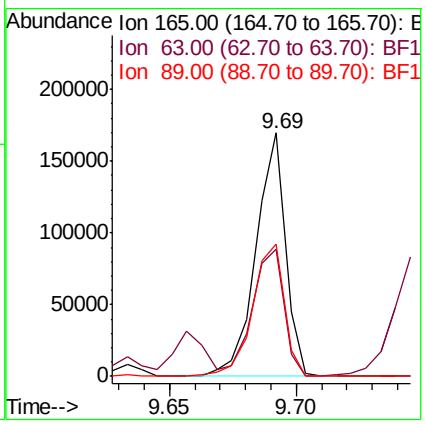





#51
2,6-Dinitrotoluene
Concen: 41.035 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:165 Resp: 139484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.0 | 43.7 | 65.5 |
| 89 | 54.5 | 45.1 | 67.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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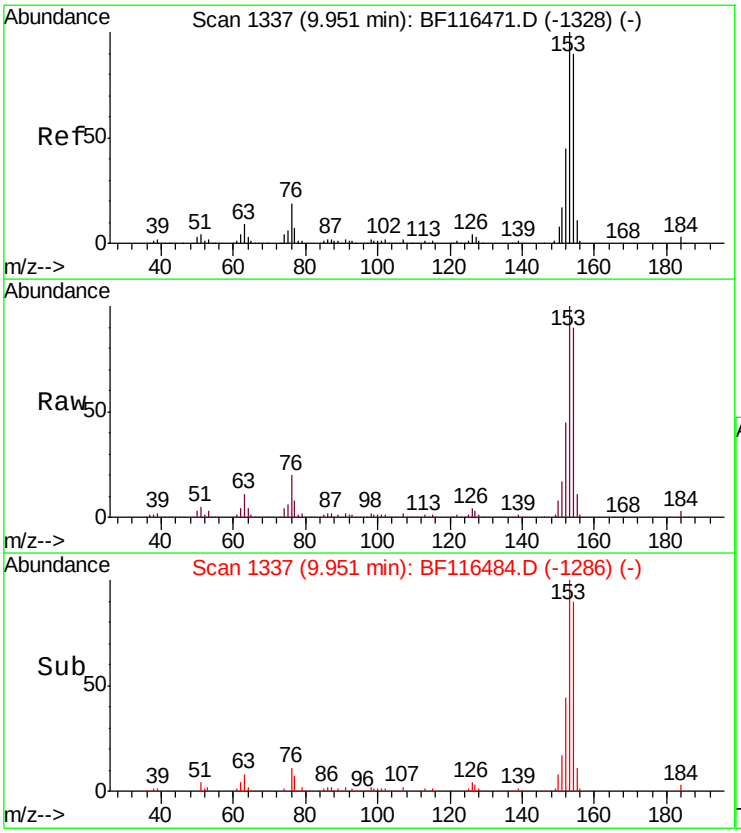
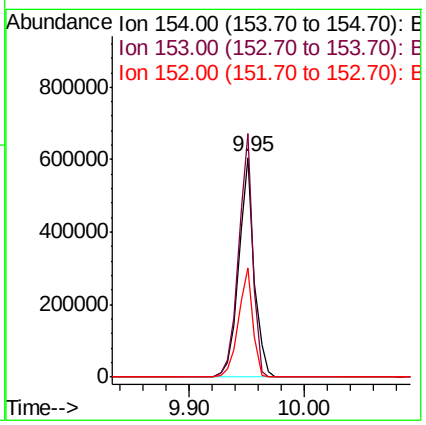
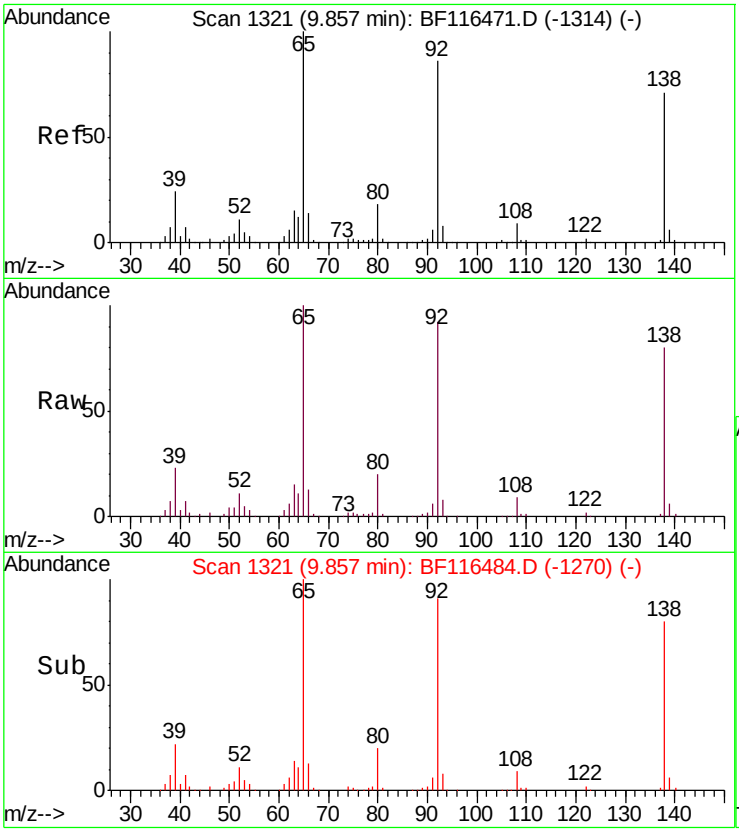



#52
Acenaphthene
Concen: 40.535 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:154 Resp: 561416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.9 | 89.3 | 133.9 |
| 152 | 49.7 | 40.2 | 60.4 |

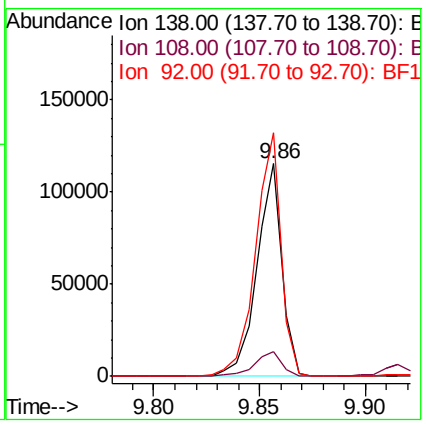





#53
3-Nitroaniline
Concen: 23.499 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:138 Resp: 95212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 10.0 | 15.0 |
| 92 | 114.5 | 97.7 | 146.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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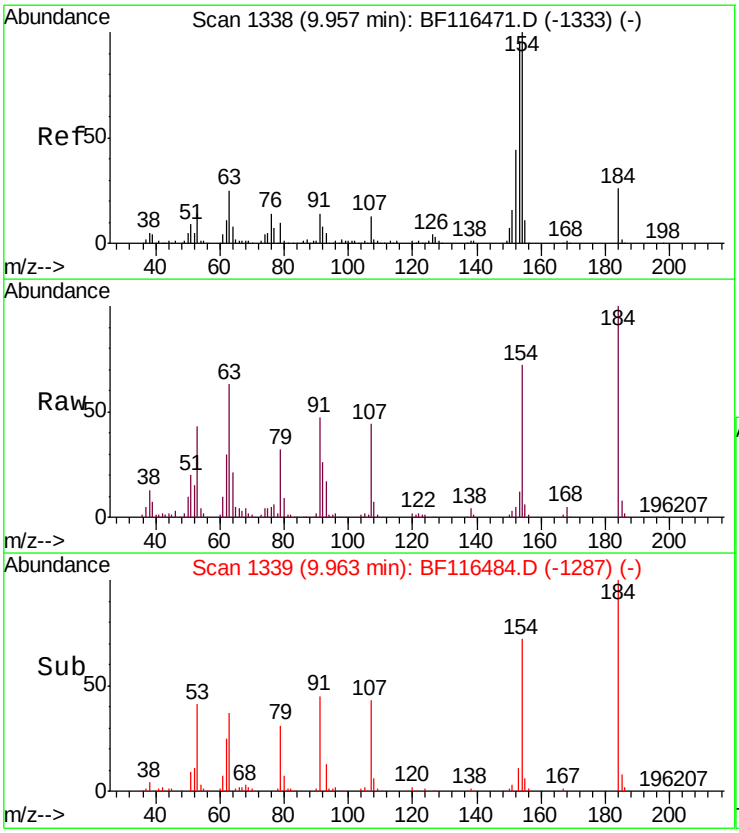
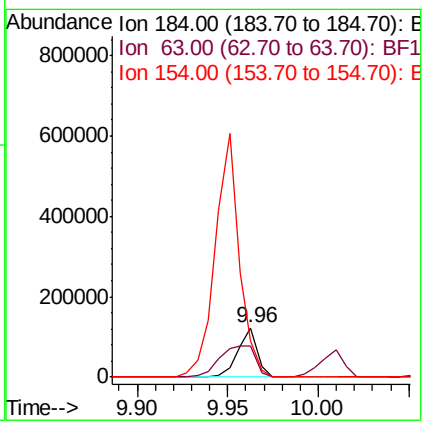
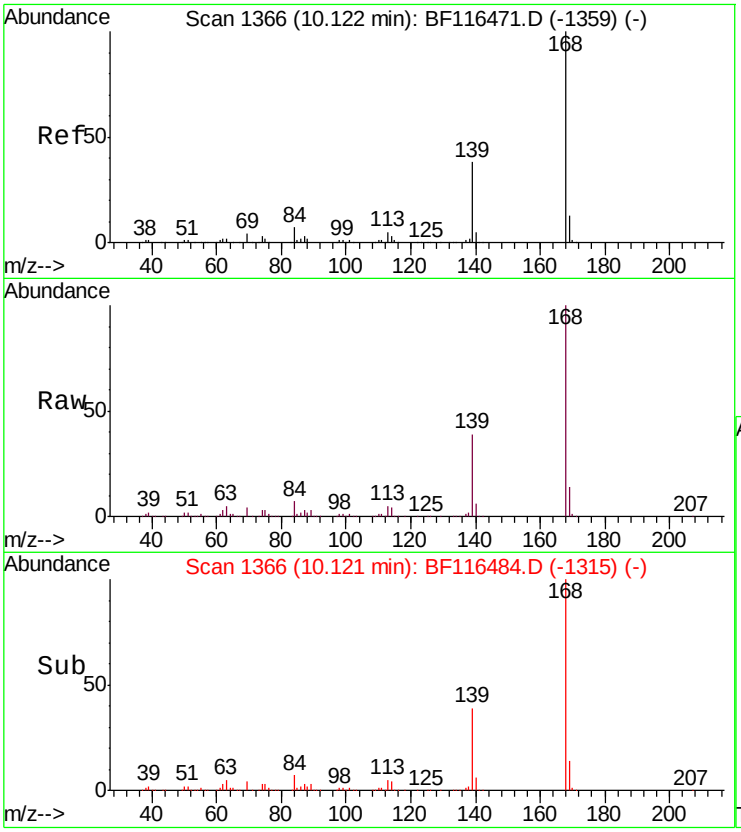



#54
2,4-Dinitrophenol
Concen: 70.613 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:184 Resp: 92511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.8 | 78.2 | 117.4# |
| 154 | 71.9 | 320.4 | 480.6# |

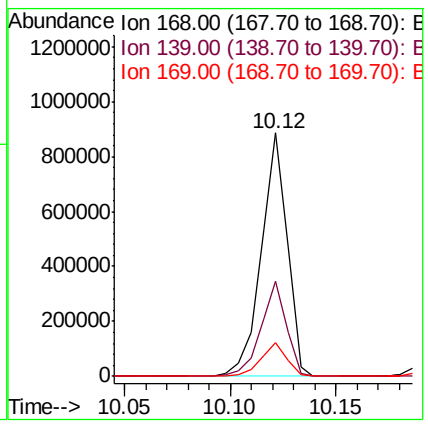





#55
Dibenzofuran
Concen: 39.232 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:168 Resp: 757440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.2 | 30.7 | 46.1 |
| 169 | 13.6 | 10.7 | 16.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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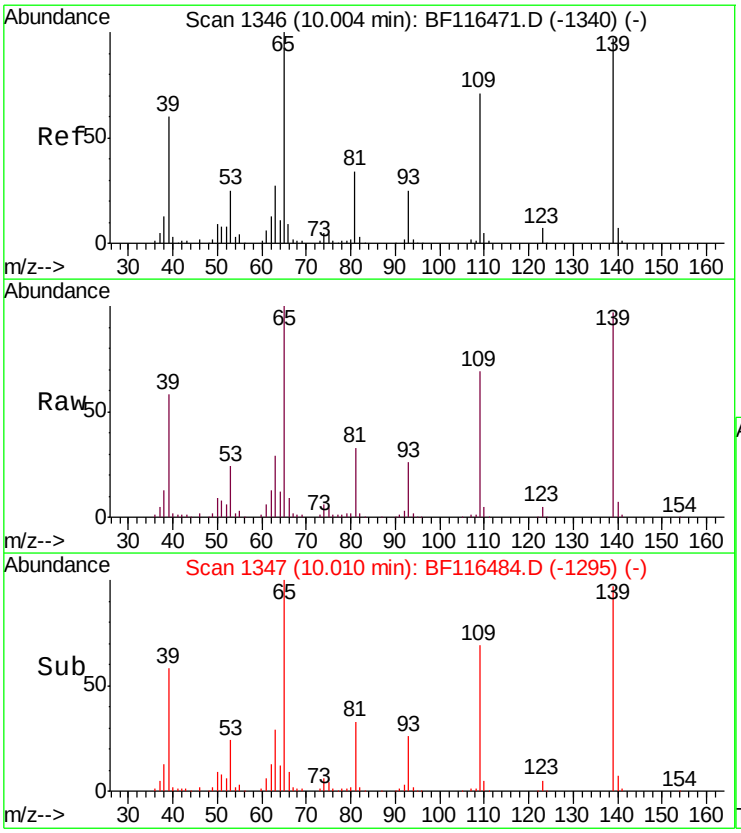
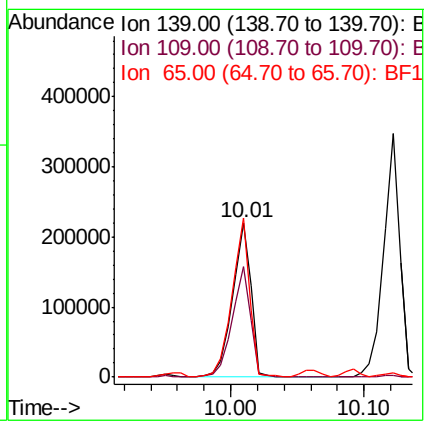
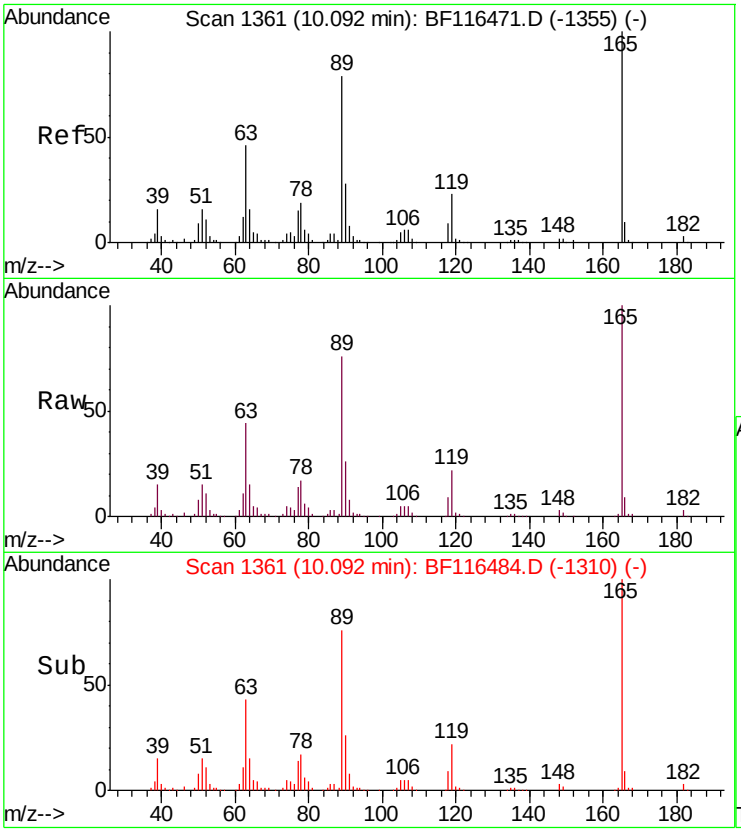



#56
4-Nitrophenol
Concen: 69.006 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:139 Resp: 217319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.7 | 53.4 | 93.4 |
| 65 | 103.3 | 83.0 | 123.0 |

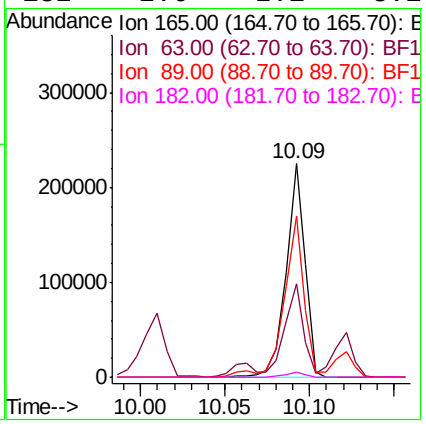





#57
2,4-Dinitrotoluene
Concen: 41.185 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:165 Resp: 178135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.7 | 36.9 | 55.3 |
| 89 | 75.6 | 63.4 | 95.0 |
| 182 | 2.6 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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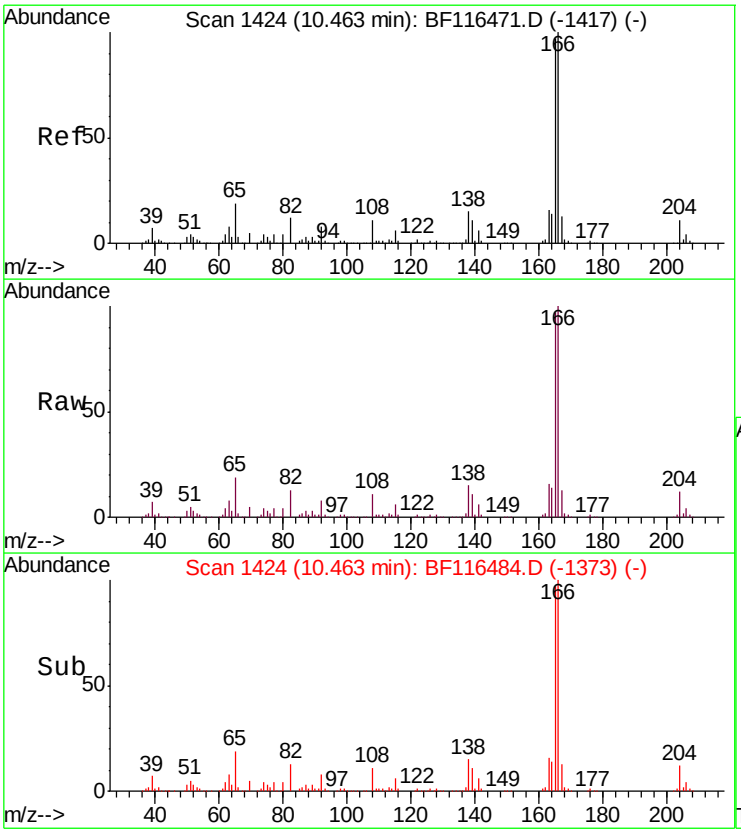
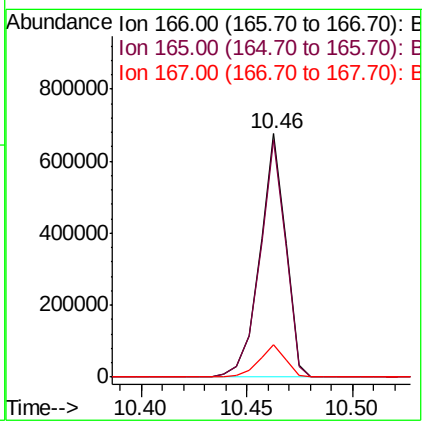
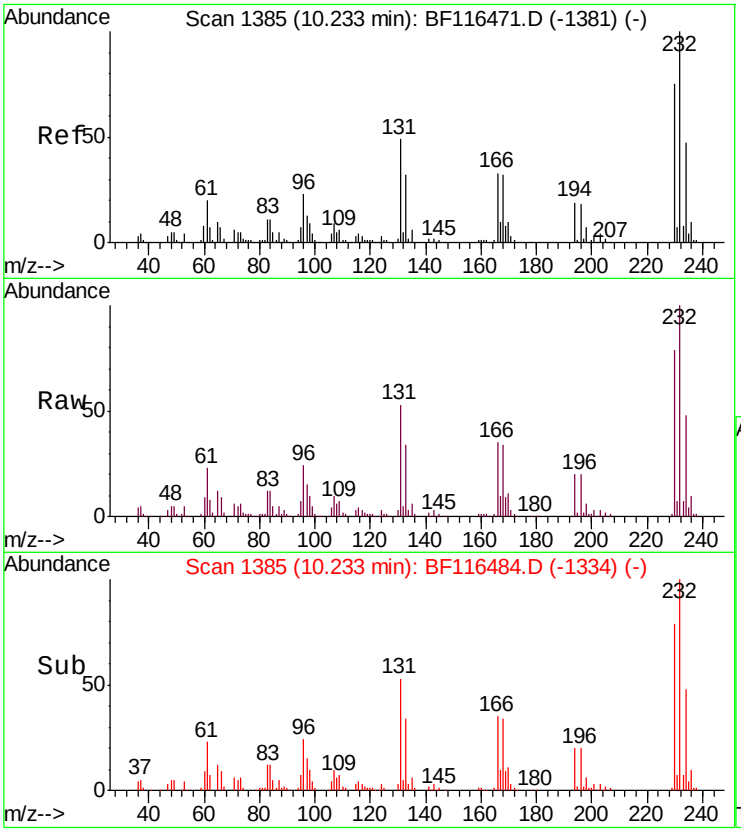



#58
Fluorene
Concen: 38.133 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:166 Resp: 571995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 77.4 | 116.0 |
| 167 | 13.4 | 10.8 | 16.2 |

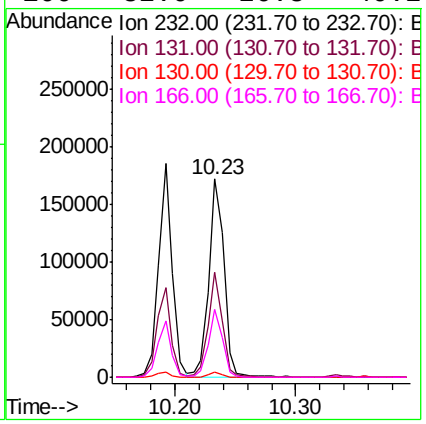





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.087 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:232 Resp: 150104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.2 | 40.8 | 61.2 |
| 130 | 2.5 | 1.8 | 2.8 |
| 166 | 32.0 | 26.8 | 40.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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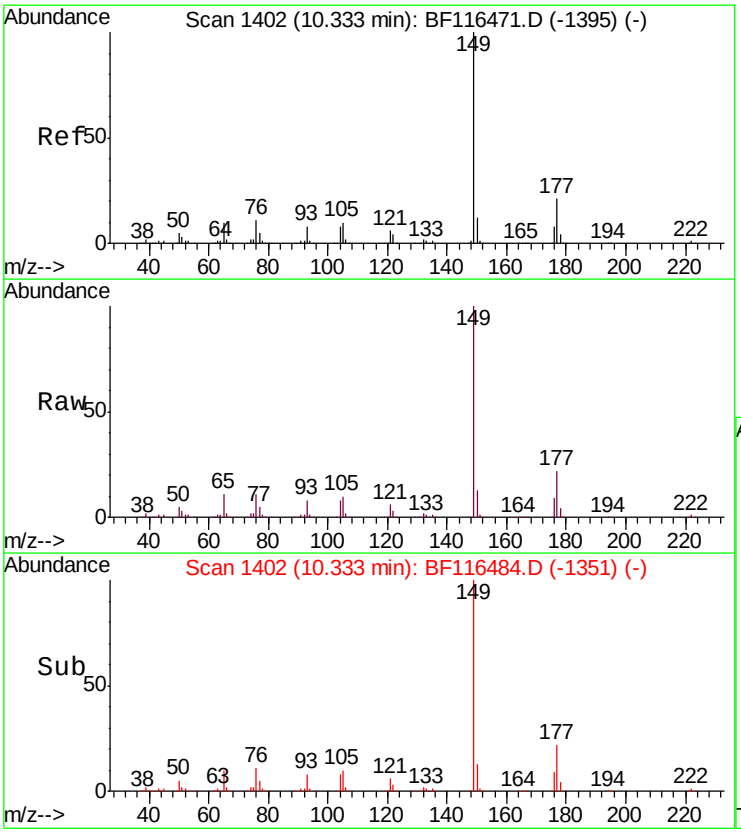
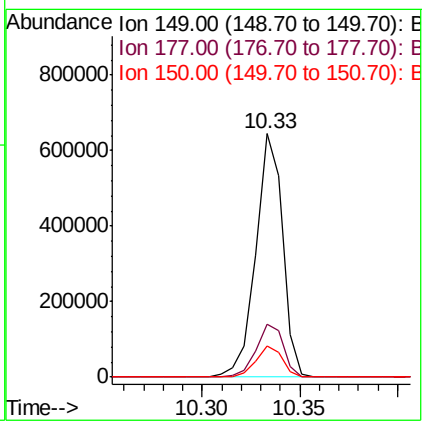
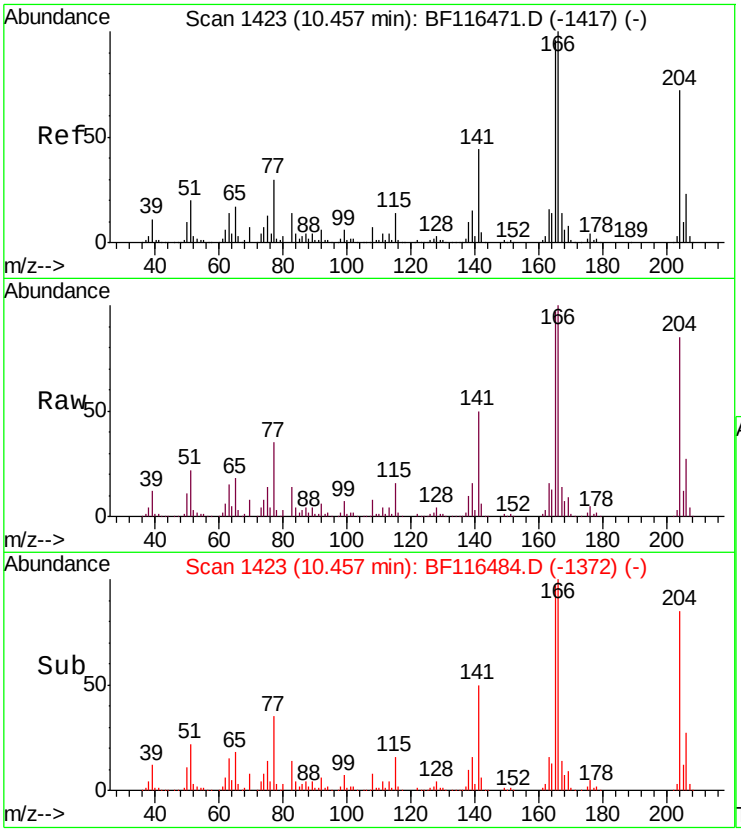



#60
Diethylphthalate
Concen: 37.600 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:149 Resp: 613717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.7 | 17.1 | 25.7 |
| 150 | 12.6 | 9.8 | 14.6 |

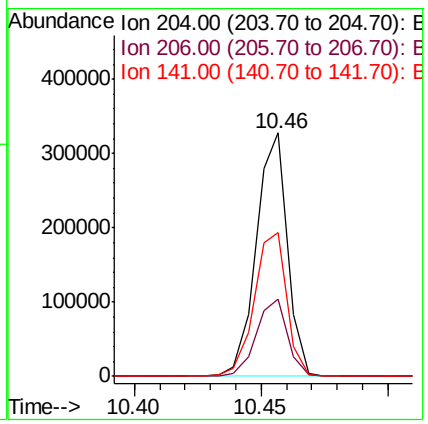





#61
4-Chlorophenyl-phenylether
Concen: 38.212 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:204 Resp: 279625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.9 | 25.9 | 38.9 |
| 141 | 59.1 | 48.6 | 73.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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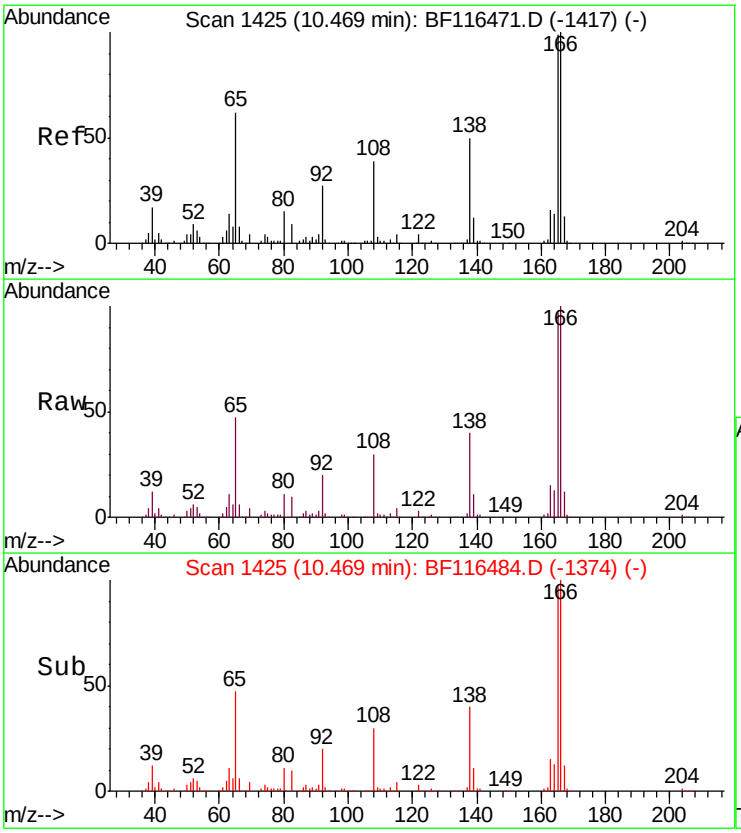
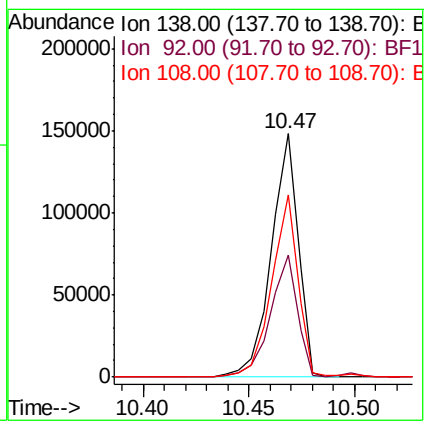
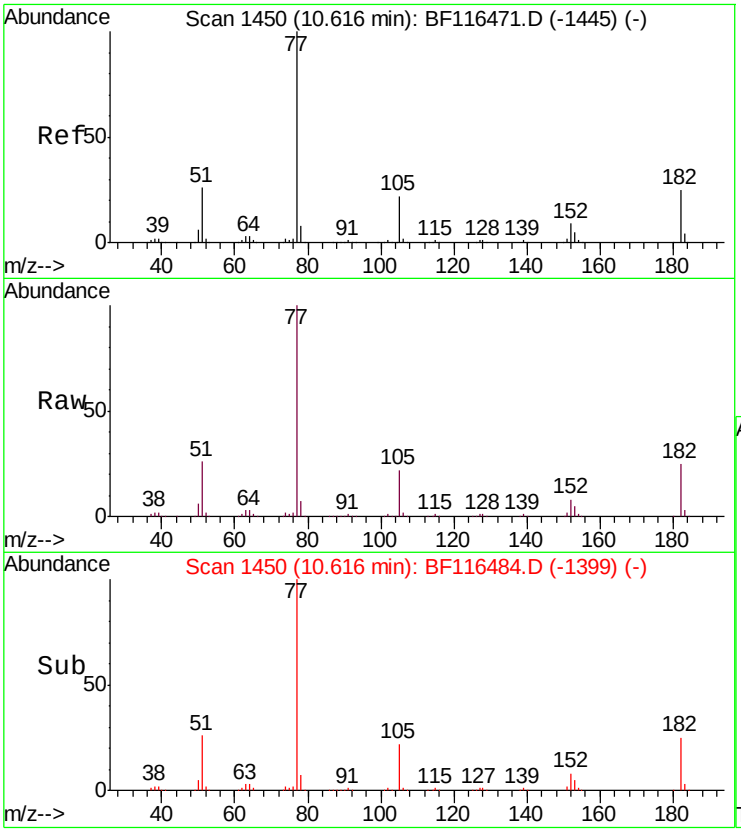



#62
4-Nitroaniline
Concen: 33.340 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:138 Resp: 132117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.1 | 34.9 | 74.9 |
| 108 | 74.6 | 57.7 | 97.7 |

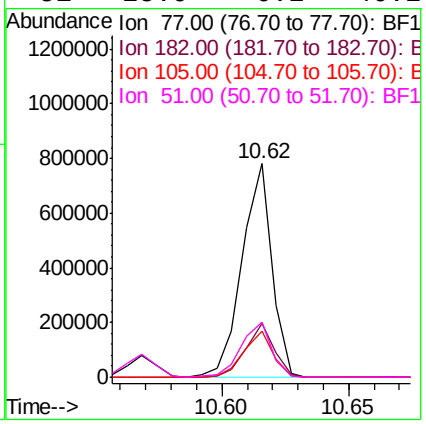





#63
Azobenzene
Concen: 38.265 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion: 77 Resp: 642175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.2 | 5.4 | 45.4 |
| 105 | 21.9 | 1.6 | 41.6 |
| 51 | 25.9 | 6.2 | 46.2 |




**Instrument :**
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**ClientSampleId :**
PB122393BS

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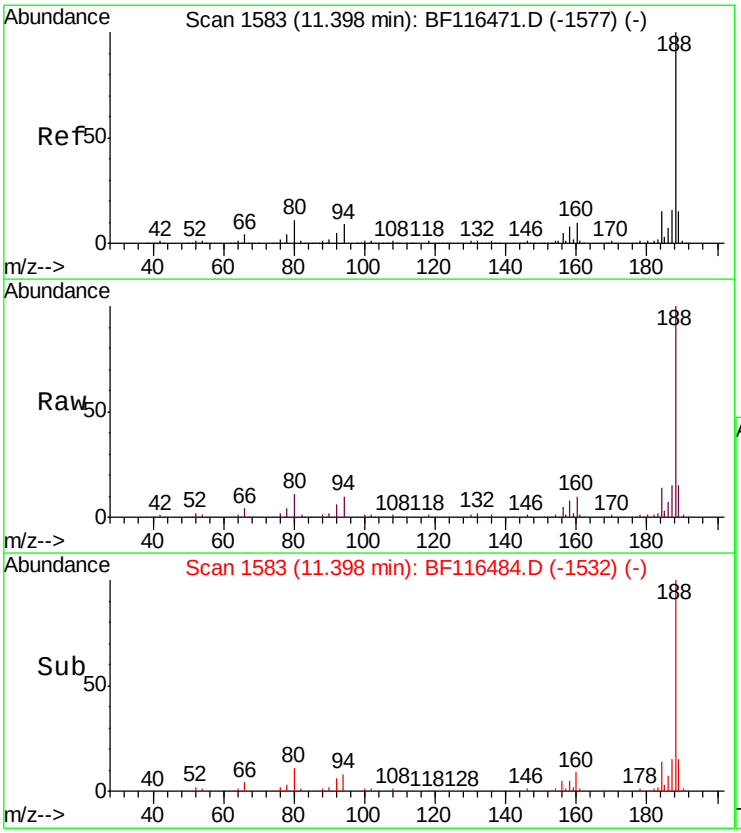
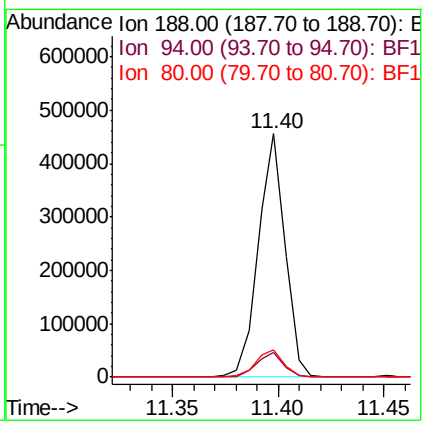
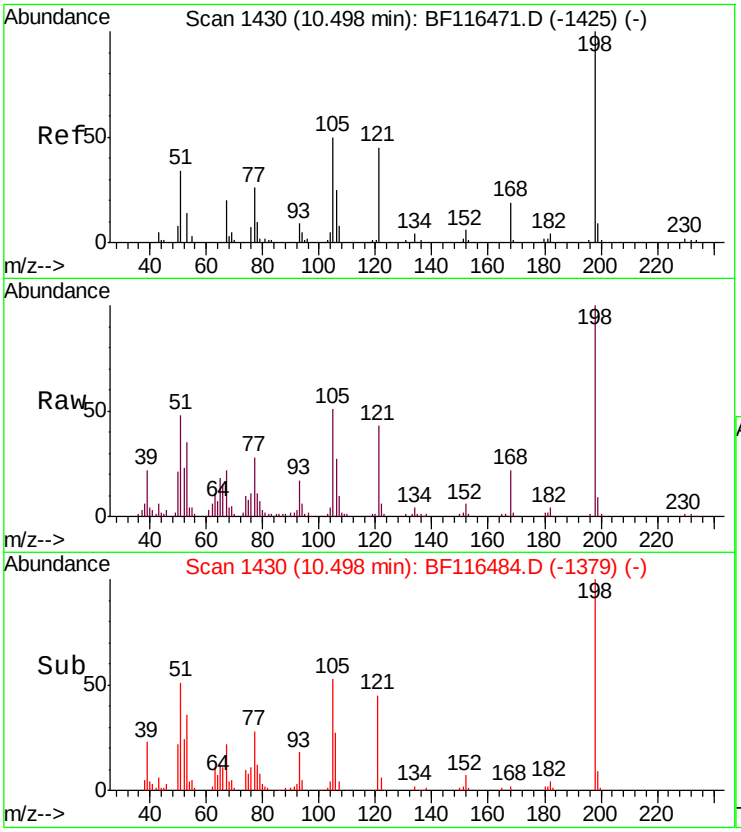



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:188 Resp: 401011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.0 | 7.4 | 11.2 |
| 80 | 11.2 | 8.6 | 12.8 |






#65
4,6-Dinitro-2-methylphenol
Concen: 44.553 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:198 Resp: 72292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.3 | 30.4 | 70.4 |
| 105 | 50.6 | 32.8 | 72.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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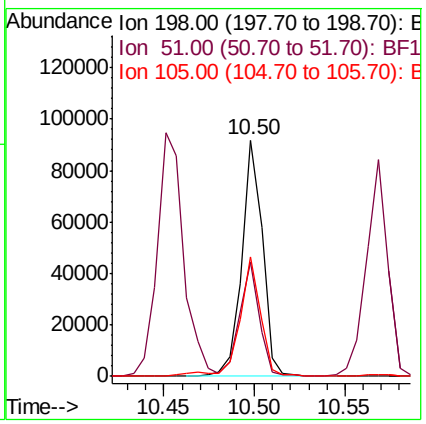
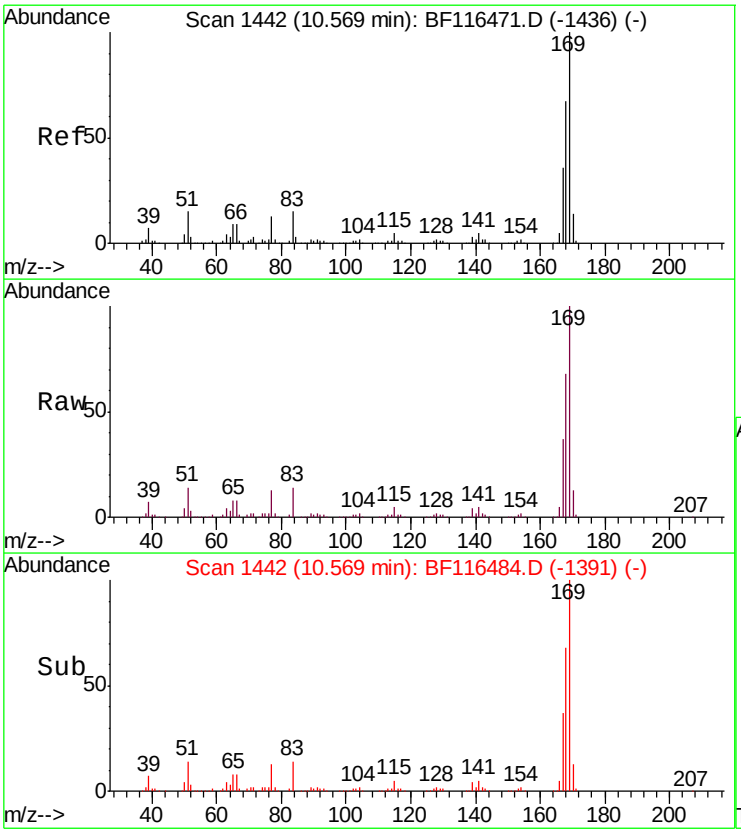
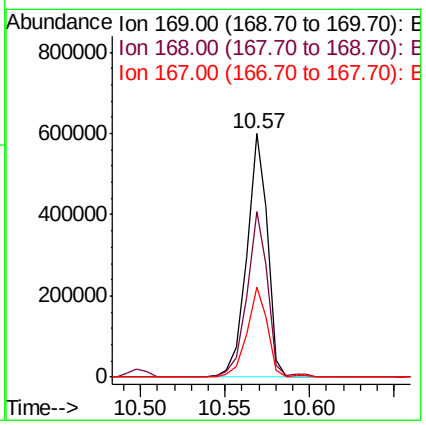


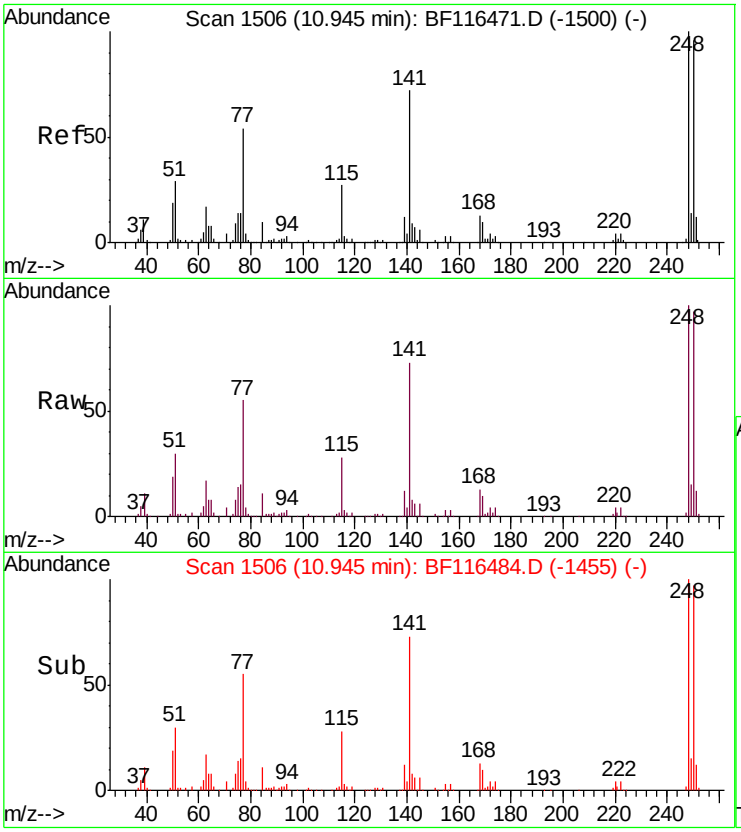




#66
n-Nitrosodiphenylamine
Concen: 39.602 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:169 Resp: 514222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.8 | 53.6 | 80.4 |
| 167 | 36.8 | 28.7 | 43.1 |

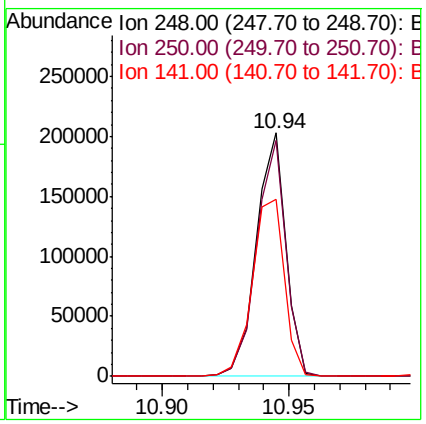





#67
4-Bromophenyl-phenylether
Concen: 39.363 ng
RT: 10.94 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:248 Resp: 165488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 77.0 | 115.6 |
| 141 | 73.0 | 57.4 | 86.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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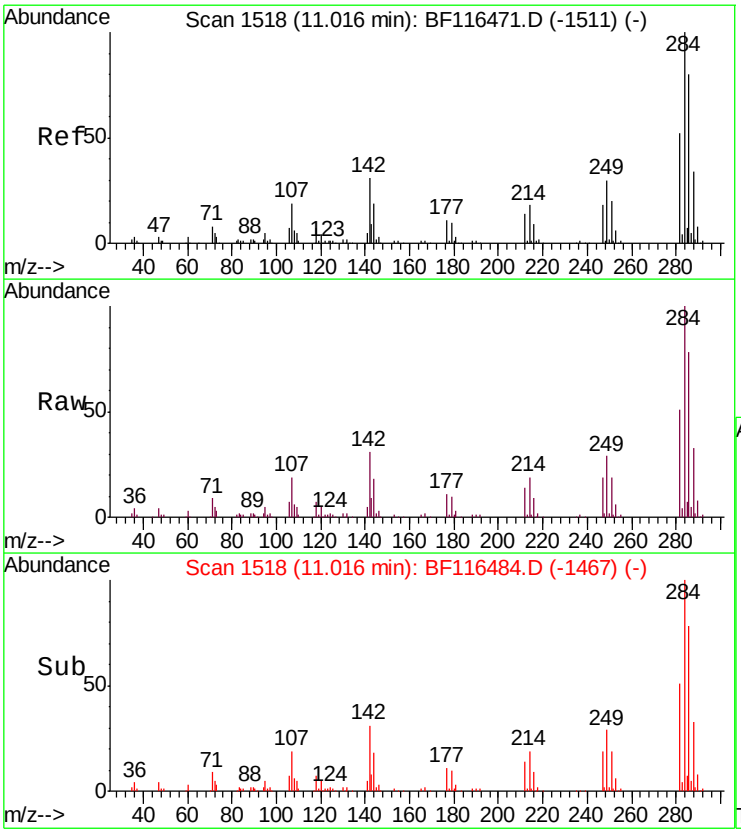
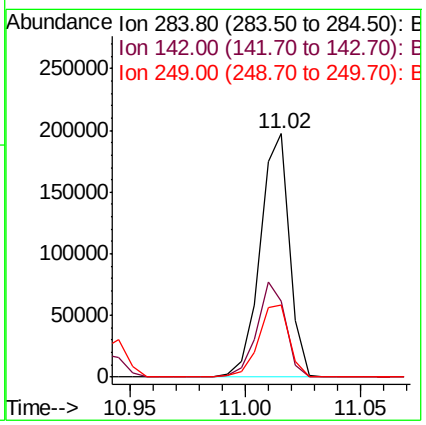
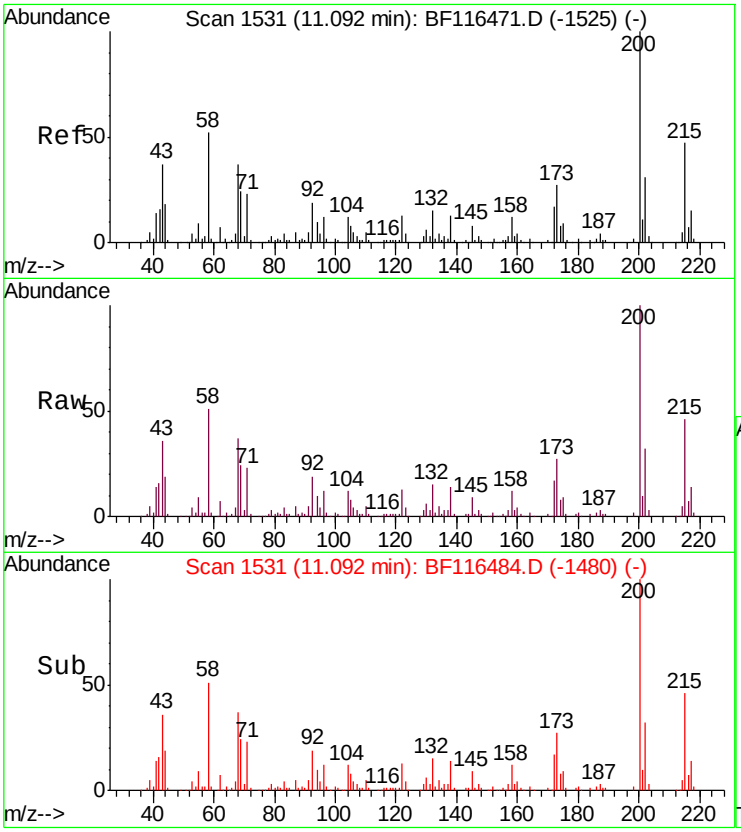



#68
Hexachlorobenzene
Concen: 37.445 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:284 Resp: 174115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.3 | 24.6 | 36.8 |
| 249 | 29.4 | 24.1 | 36.1 |

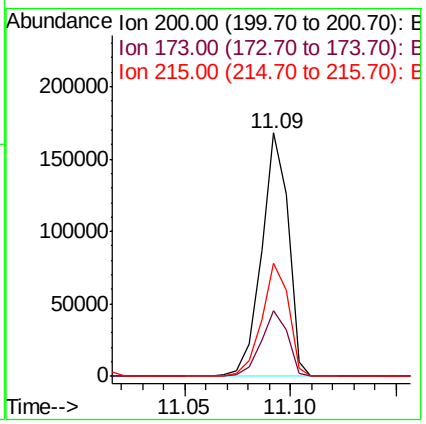





#69
Atrazine
Concen: 38.007 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:200 Resp: 147863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.8 | 7.3 | 47.3 |
| 215 | 46.4 | 26.7 | 66.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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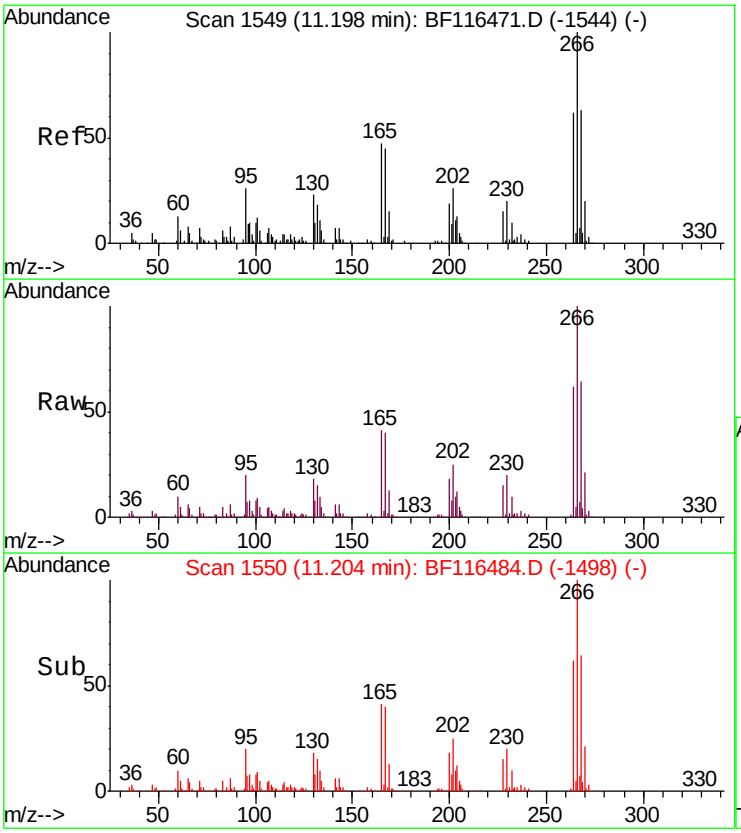
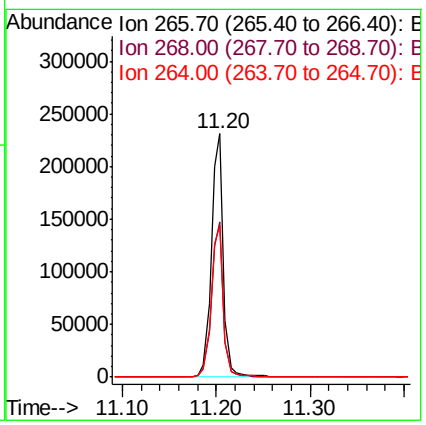
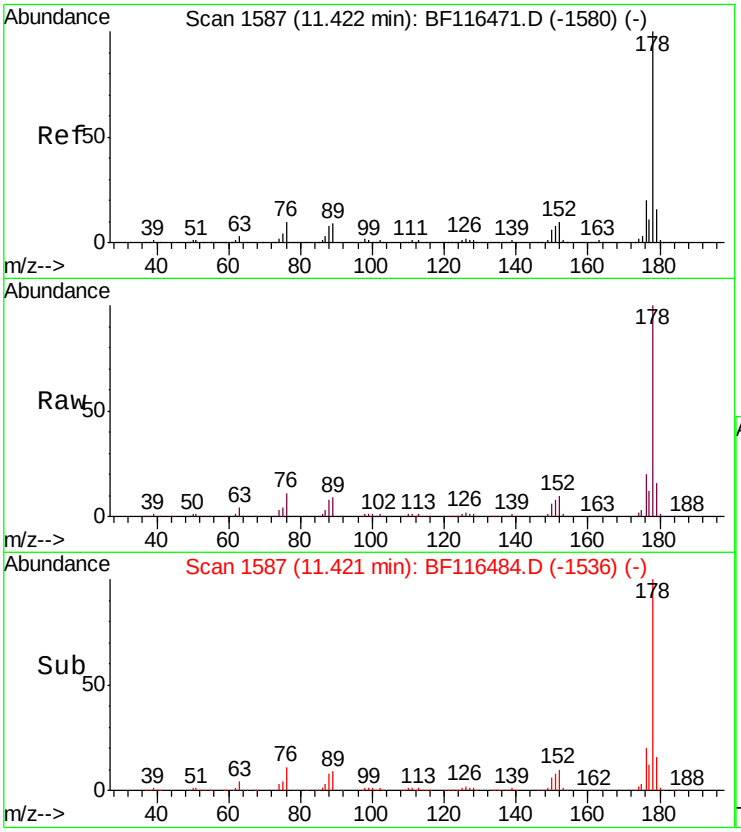



#70
Pentachlorophenol
Concen: 77.459 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:266 Resp: 210144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.5 | 50.7 | 76.1 |
| 264 | 62.5 | 50.0 | 75.0 |






#71
Phenanthrene
Concen: 38.381 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:178 Resp: 838448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.8 | 23.6 |
| 179 | 15.6 | 12.8 | 19.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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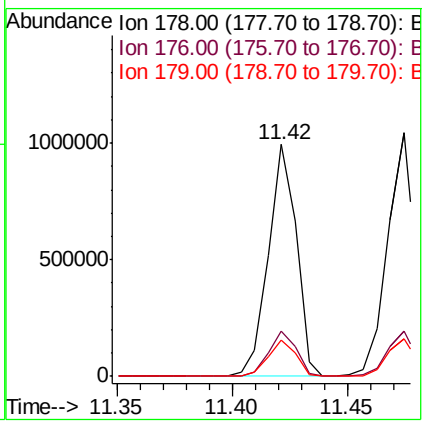
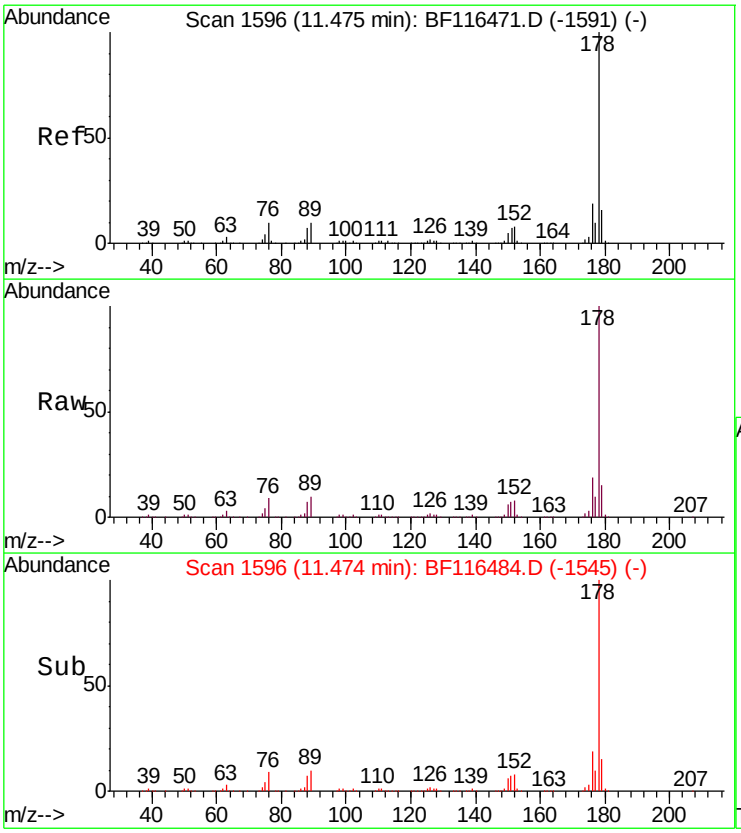
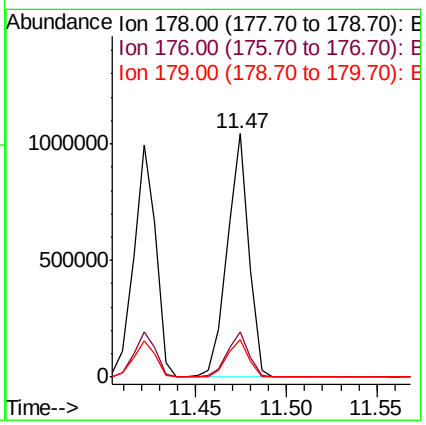


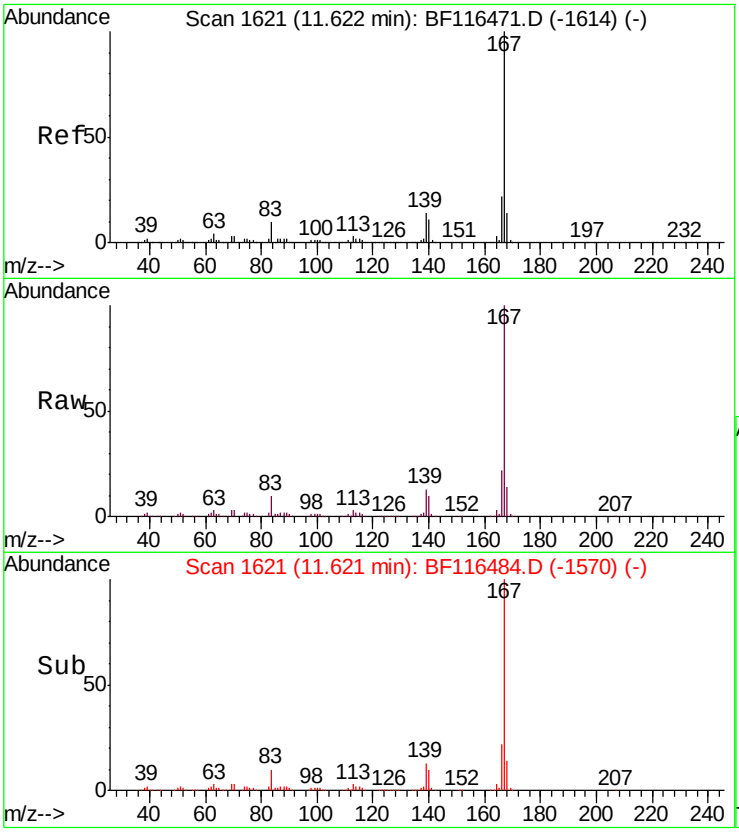




#72
Anthracene
Concen: 39.303 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:178 Resp: 862764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.2 | 22.8 |
| 179 | 15.4 | 12.5 | 18.7 |

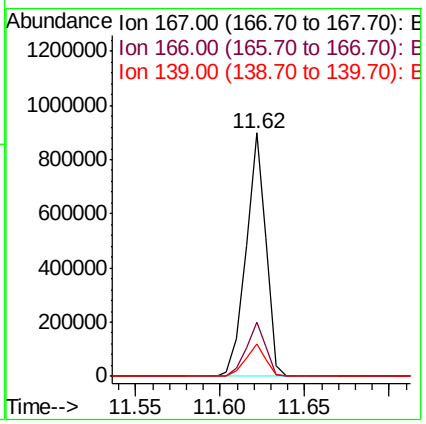





#73
Carbazole
Concen: 37.591 ng
RT: 11.62 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:167 Resp: 740693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.8 | 26.6 |
| 139 | 13.5 | 10.9 | 16.3 |




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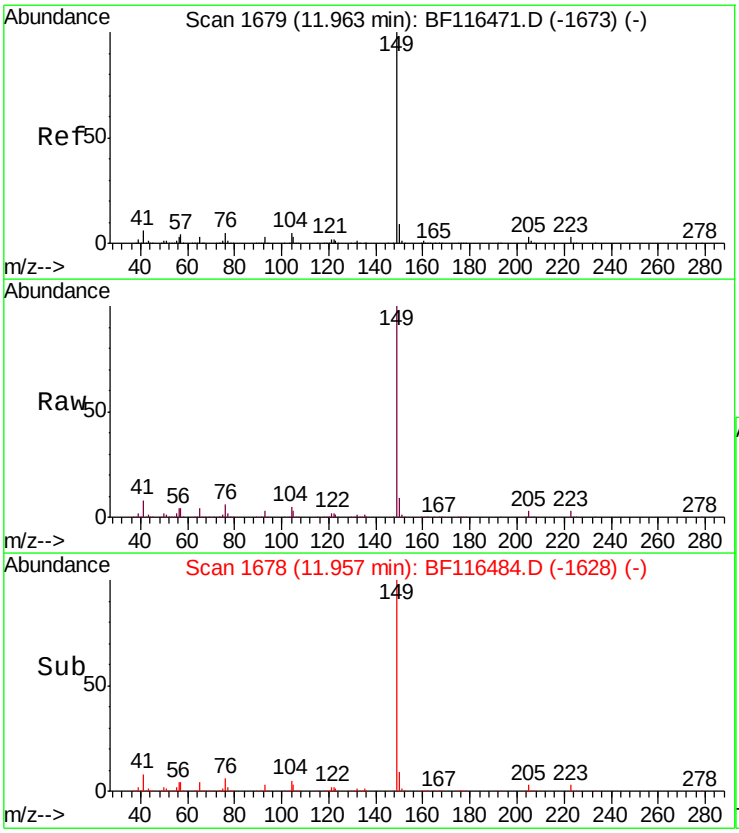
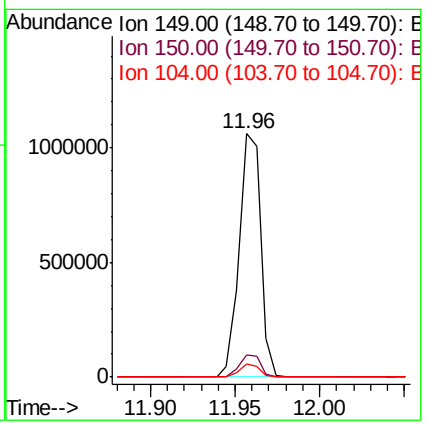
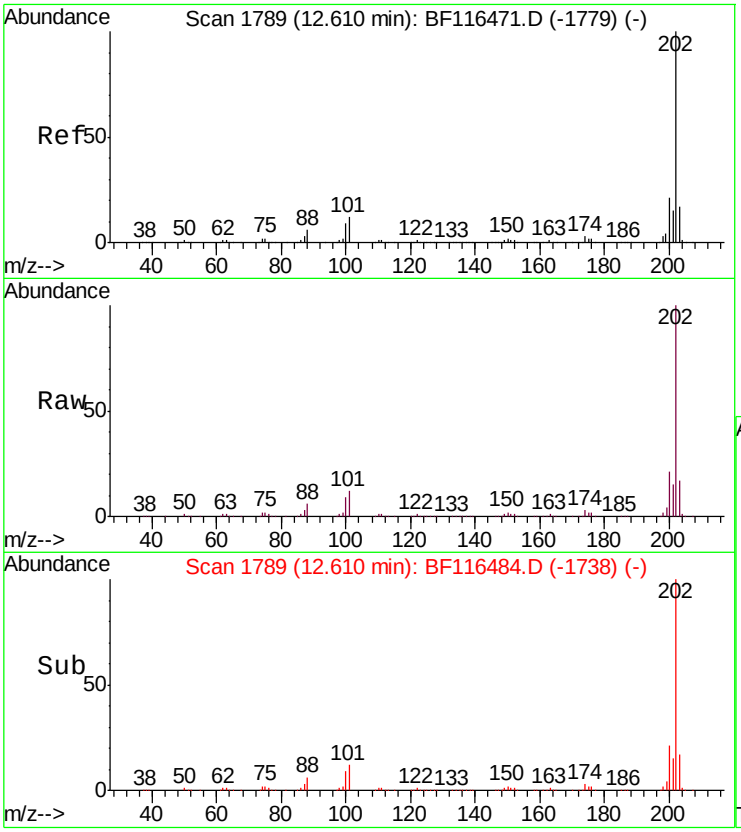



#74
Di-n-butylphthalate
Concen: 38.574 ng
RT: 11.96 min Scan# 1678
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:149 Resp: 941843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.5 | 11.3 |
| 104 | 5.3 | 4.1 | 6.1 |

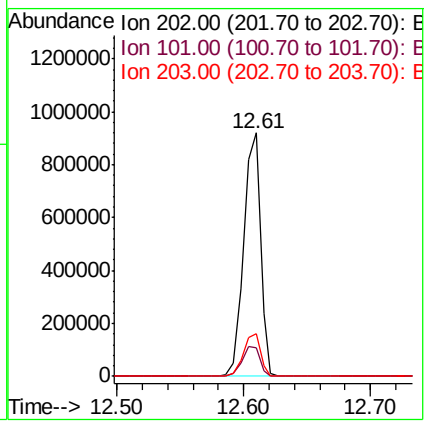





#75
Fluoranthene
Concen: 37.262 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:202 Resp: 841562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 0.0 | 31.5 |
| 203 | 17.4 | 0.0 | 37.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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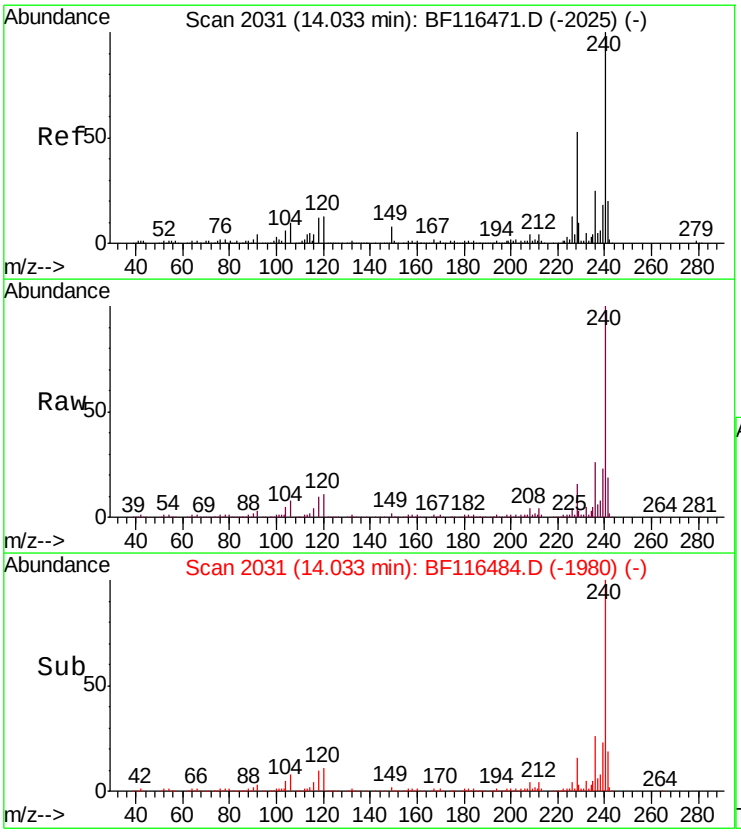
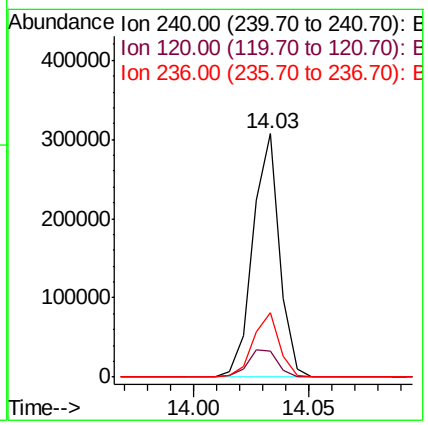
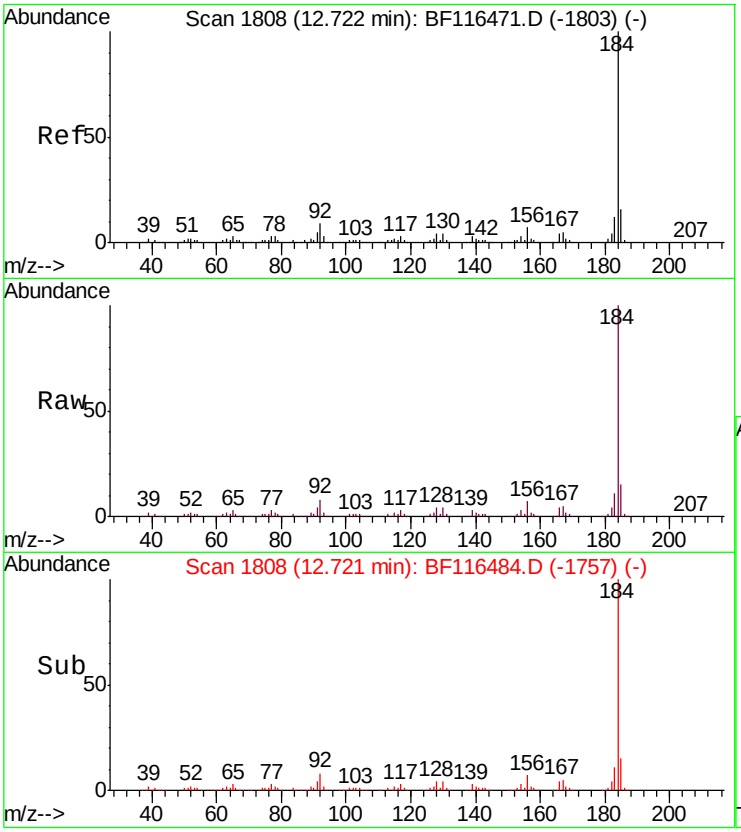



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:240 Resp: 247482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 10.5 | 15.7 |
| 236 | 26.5 | 20.2 | 30.2 |

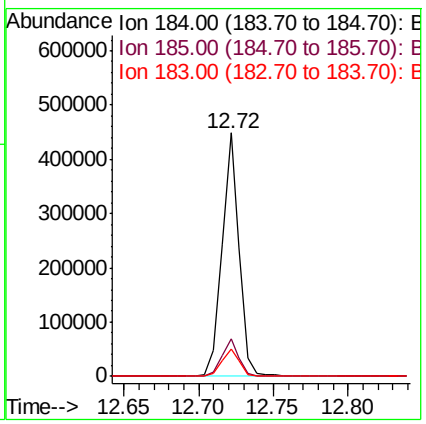





#77
Benzidine
Concen: 36.558 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:184 Resp: 364005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 13.0 | 19.4 |
| 183 | 11.5 | 9.8 | 14.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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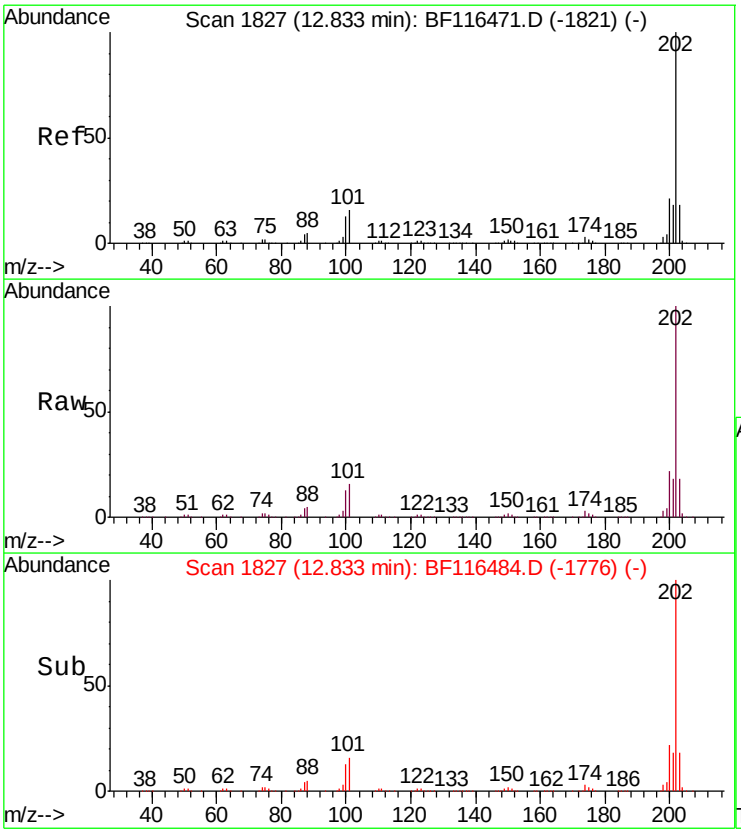
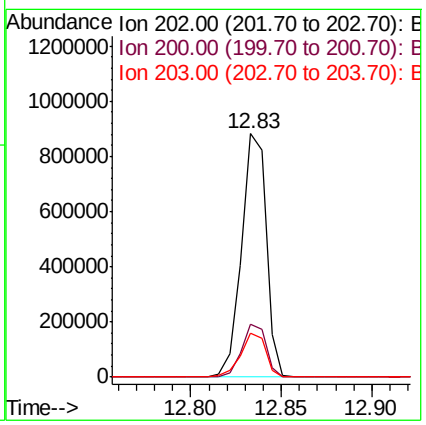
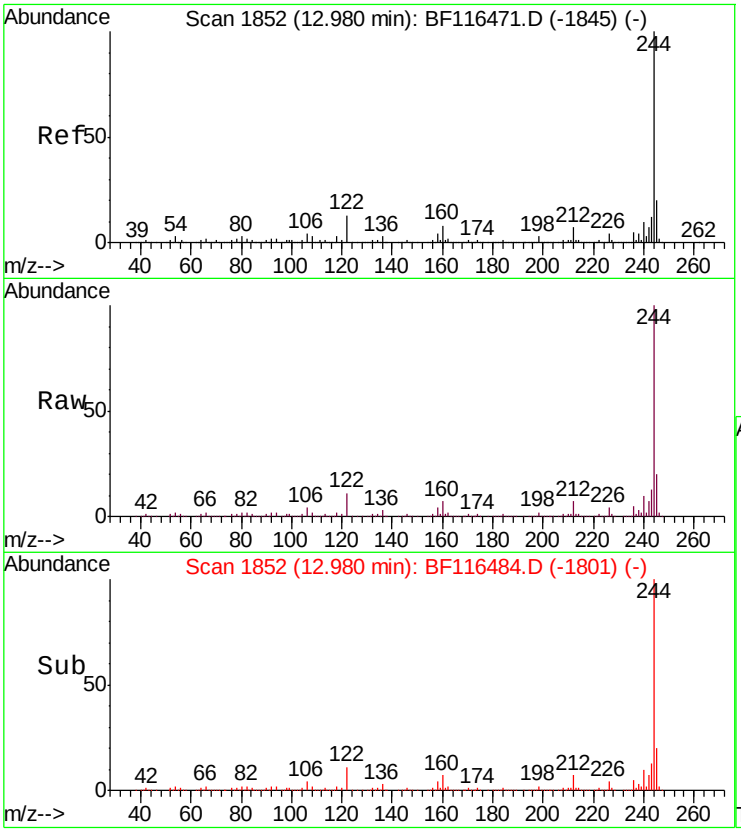



#78
Pyrene
Concen: 42.304 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:202 Resp: 837255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 17.0 | 25.4 |
| 203 | 18.0 | 14.2 | 21.4 |

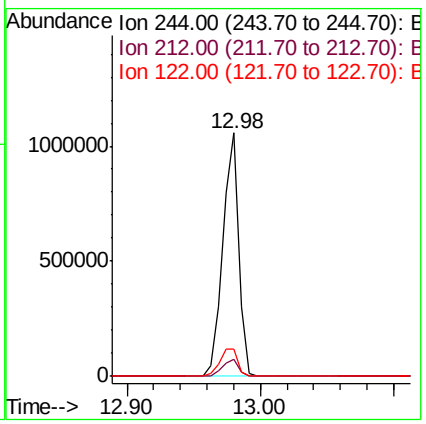





#79
Terphenyl-d14
Concen: 67.508 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:244 Resp: 894429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.7 | 8.5 |
| 122 | 11.4 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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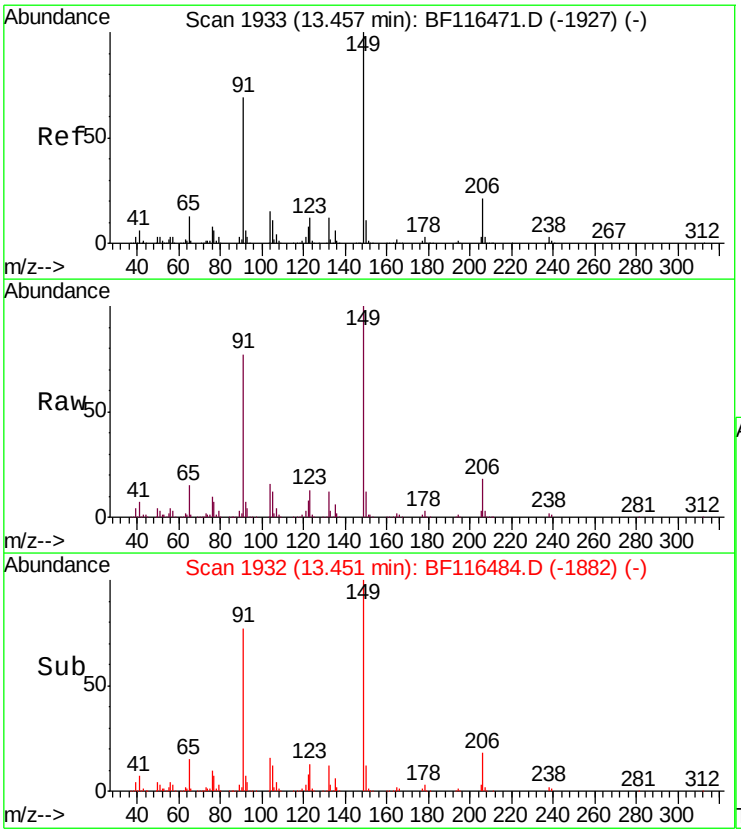
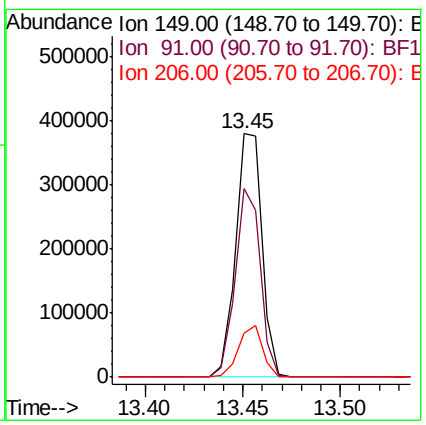
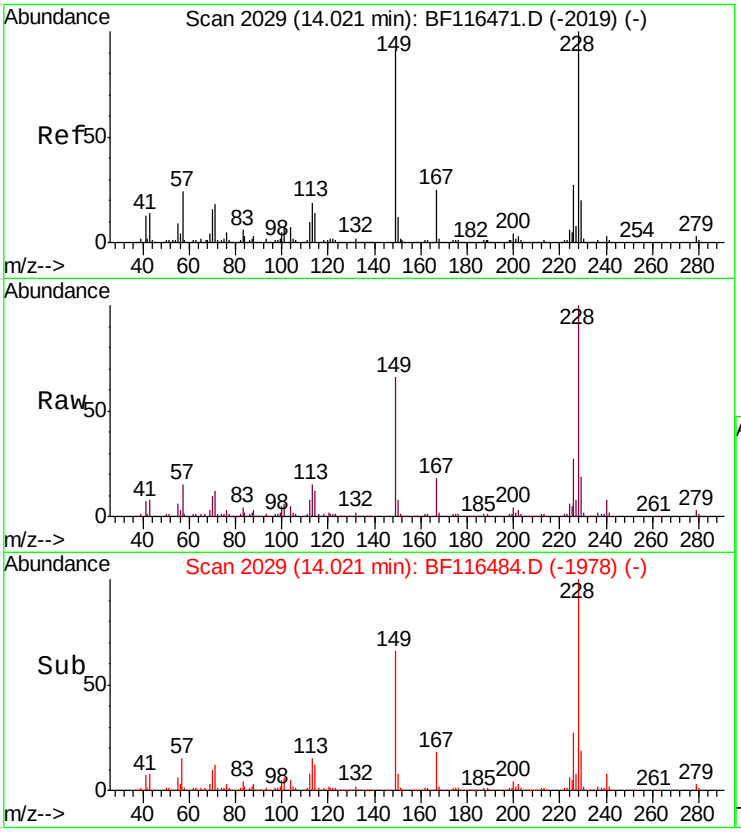



#80
Butylbenzylphthalate
Concen: 41.514 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:149 Resp: 354836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 77.4 | 54.9 | 82.3 |
| 206 | 18.1 | 16.6 | 24.8 |

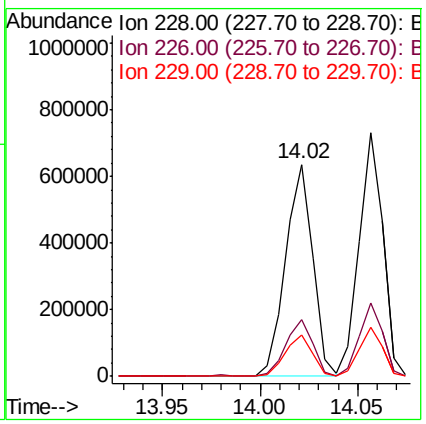





#81
Benzo(a)anthracene
Concen: 38.296 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:228 Resp: 613831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.6 |
| 229 | 19.4 | 15.9 | 23.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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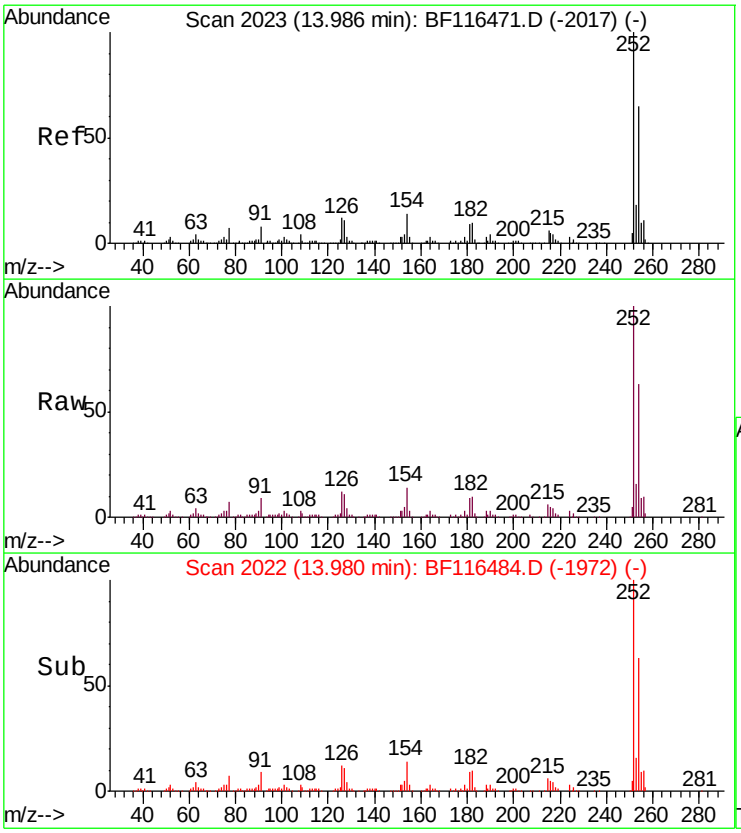
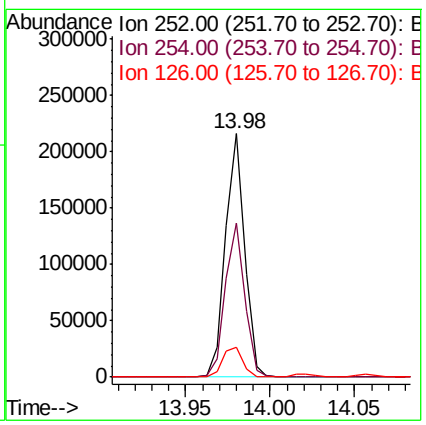
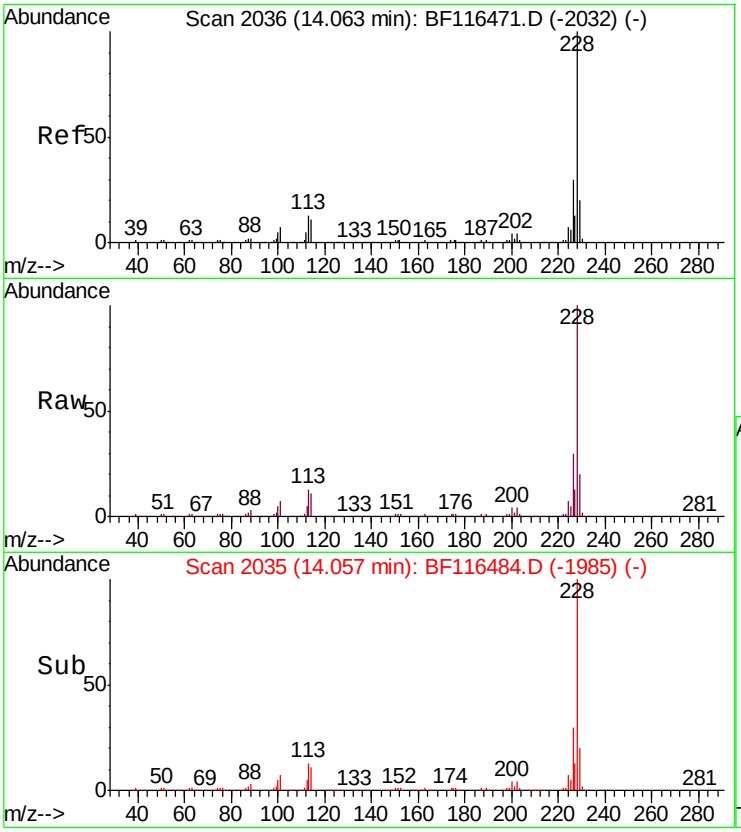



#82
3,3'-Dichlorobenzidine
Concen: 29.967 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:252 Resp: 171172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 51.9 | 77.9 |
| 126 | 12.1 | 9.4 | 14.0 |






#83
Chrysene
Concen: 38.040 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:228 Resp: 618003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.2 | 36.2 |
| 229 | 19.9 | 15.8 | 23.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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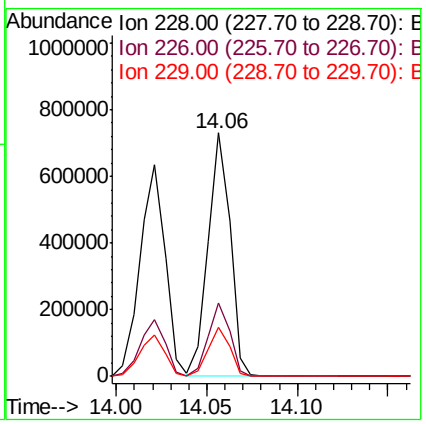
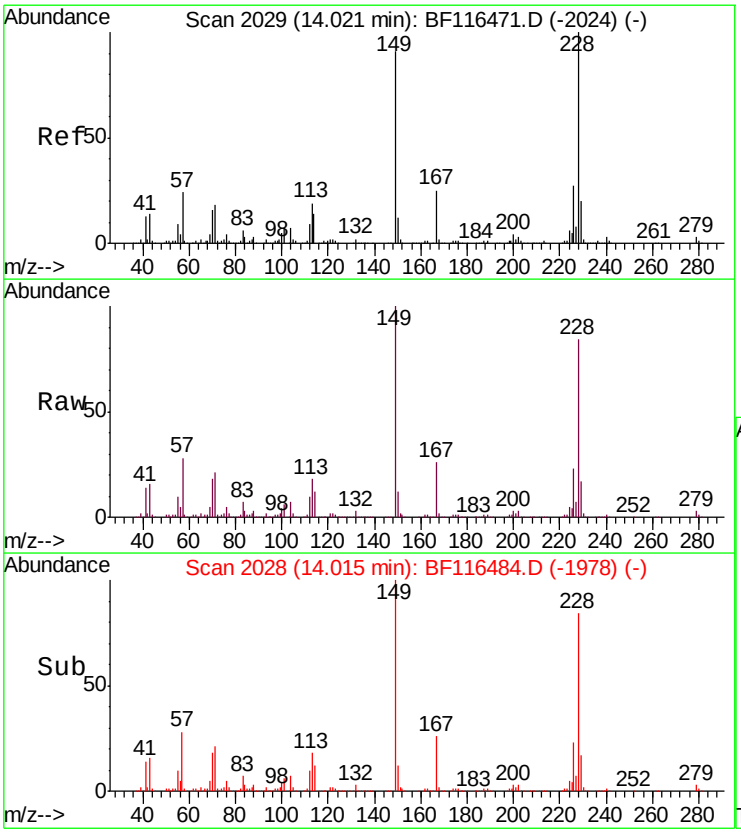
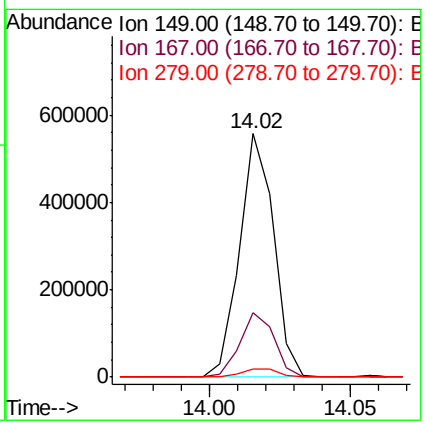


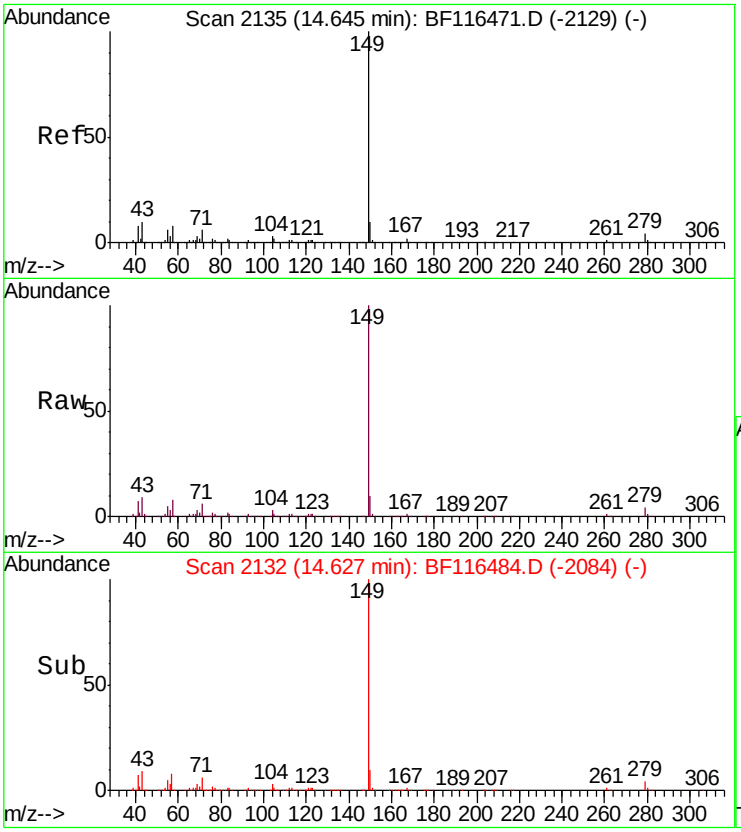




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.085 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:149 Resp: 468263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.8 | 32.6 |
| 279 | 3.2 | 3.0 | 4.4 |

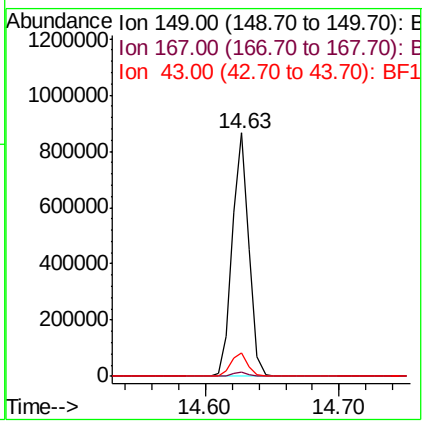





#85
Di-n-octyl phthalate
Concen: 39.014 ng
RT: 14.63 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:149 Resp: 754906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 9.6 | 7.8 | 11.8 |




**Instrument :**
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**ClientSampleId :**
PB122393BS

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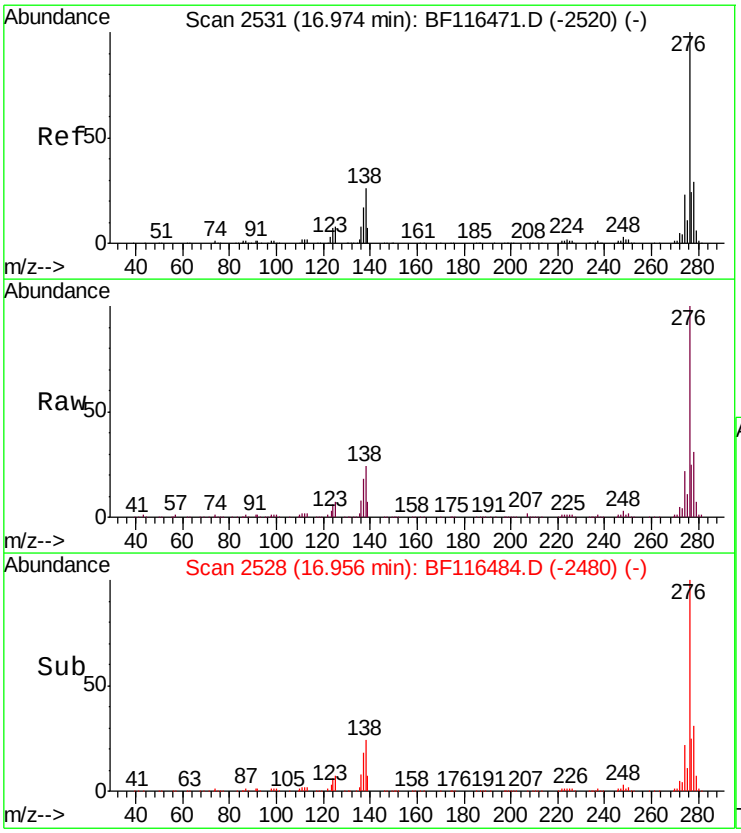
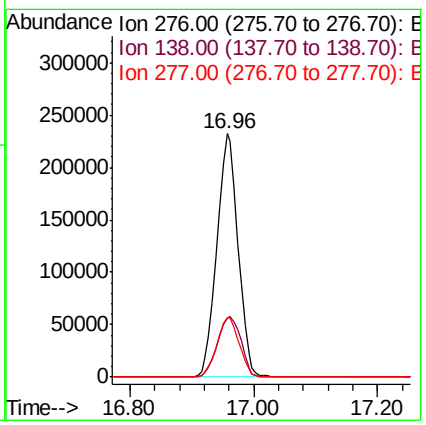
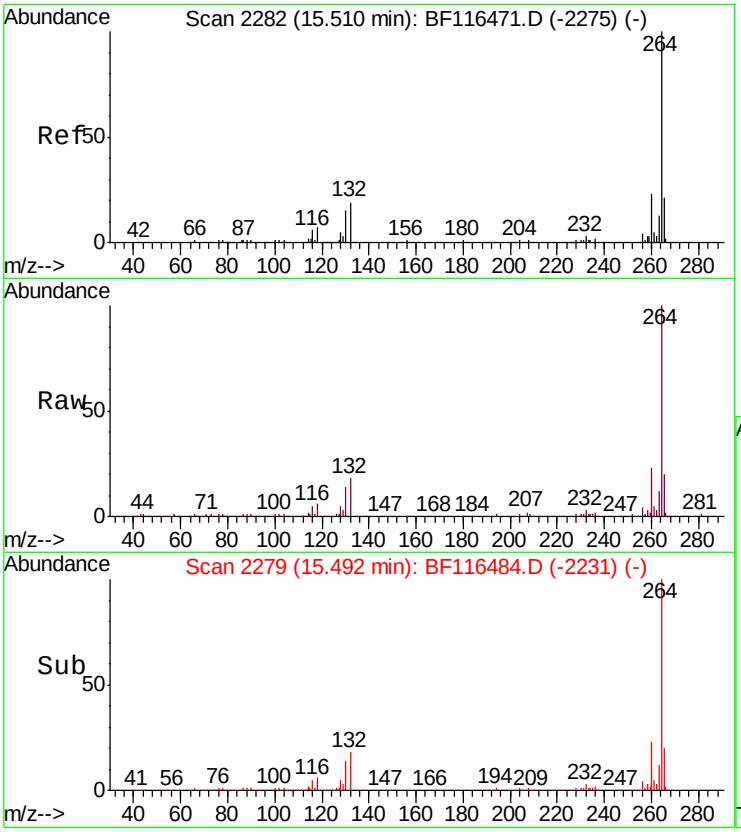



#86
Indeno(1,2,3-cd)pyrene
Concen: 39.753 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:276 Resp: 553218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.8 | 22.9 | 34.3 |
| 277 | 25.8 | 19.9 | 29.9 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:264 Resp: 225910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.8 | 28.2 |
| 265 | 20.2 | 17.1 | 25.7 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

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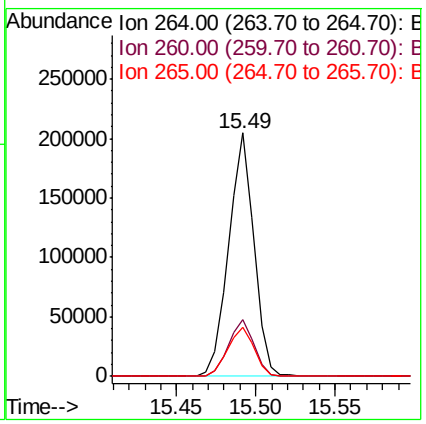
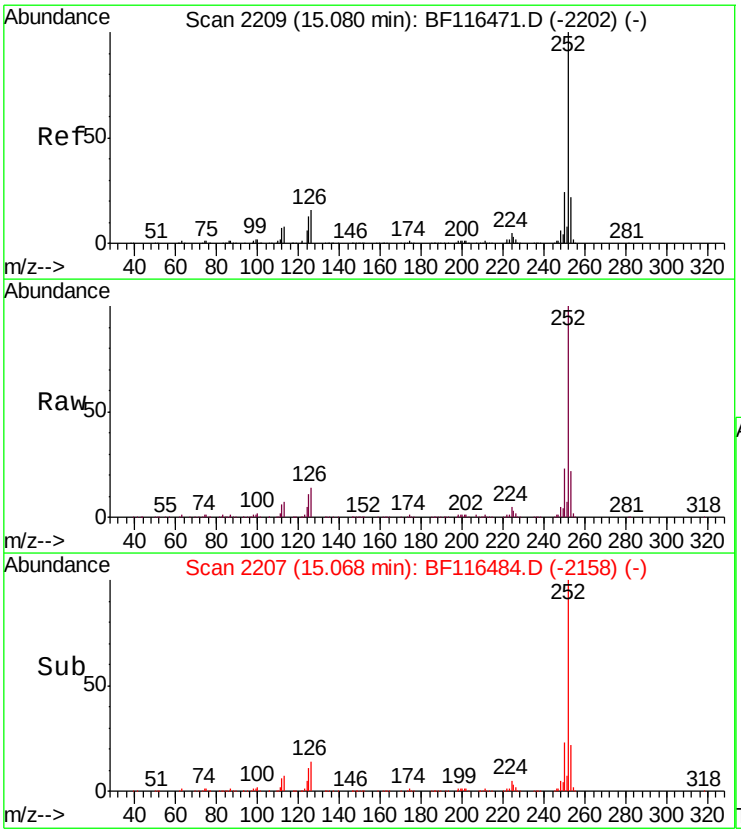
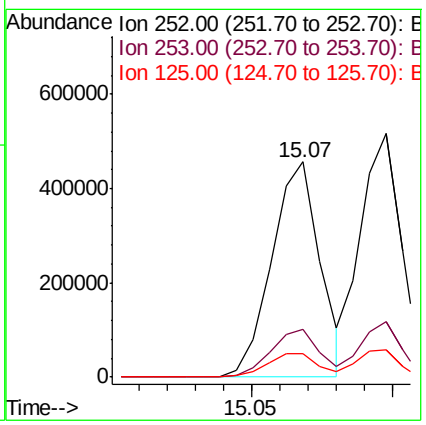


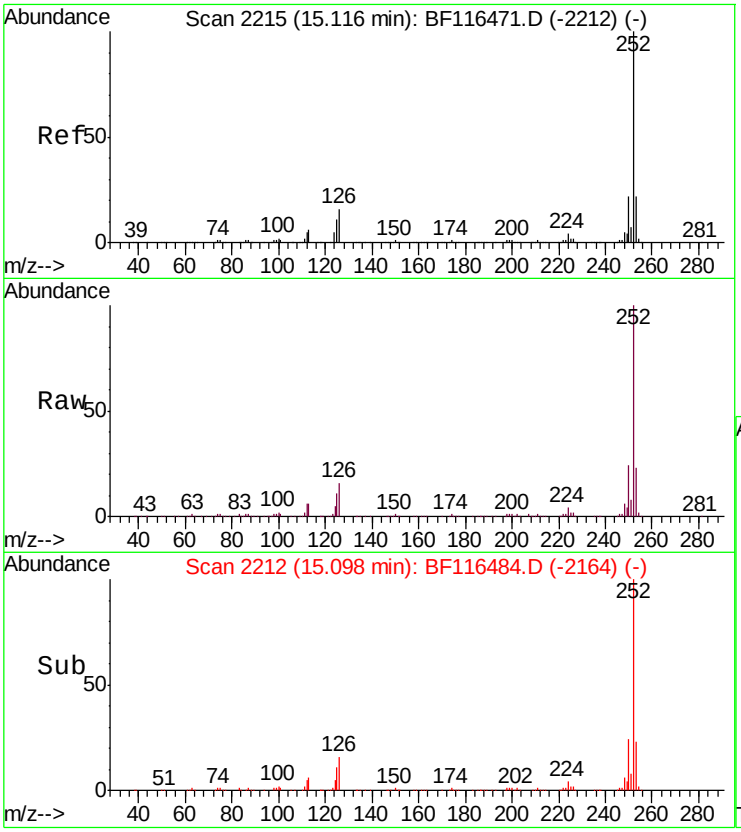




#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:252 Resp: 542745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 10.9 | 10.1 | 15.1 |

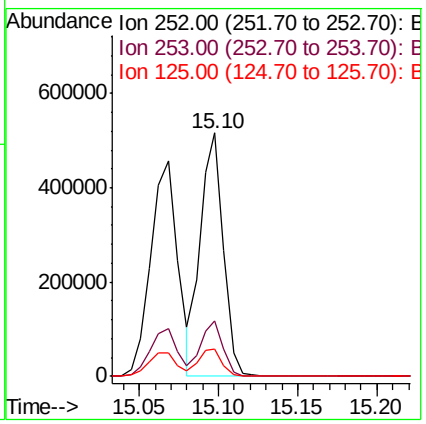





#89
Benzo(k)fluoranthene
Concen: 41.298 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:252 Resp: 522137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.4 | 26.2 |
| 125 | 11.1 | 9.1 | 13.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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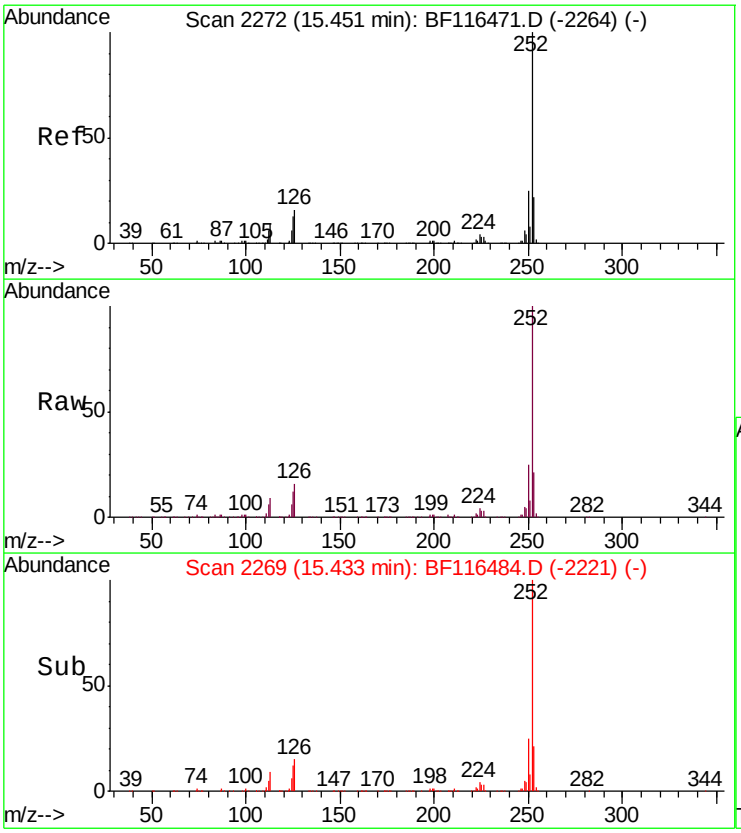
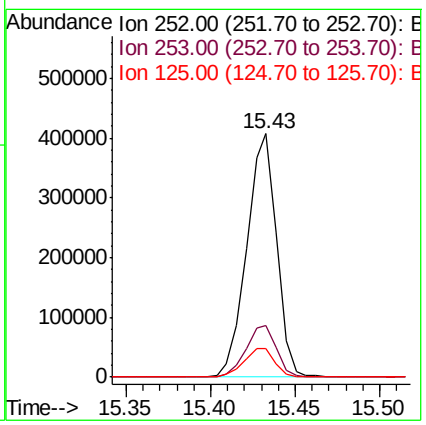
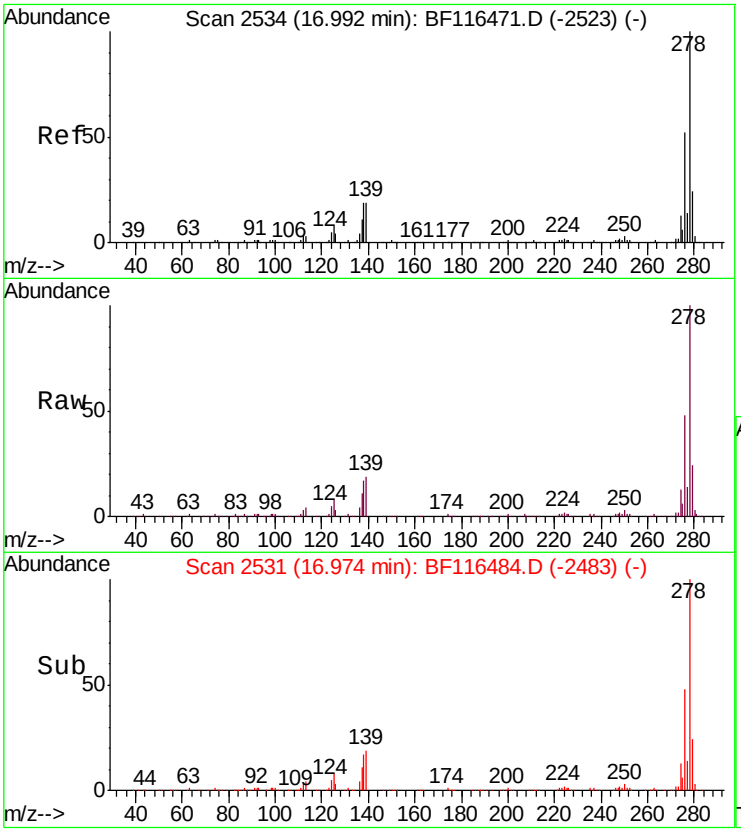



#90
Benzo(a)pyrene
Concen: 40.698 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:252 Resp: 501977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.2 | 25.8 |
| 125 | 11.8 | 10.2 | 15.4 |

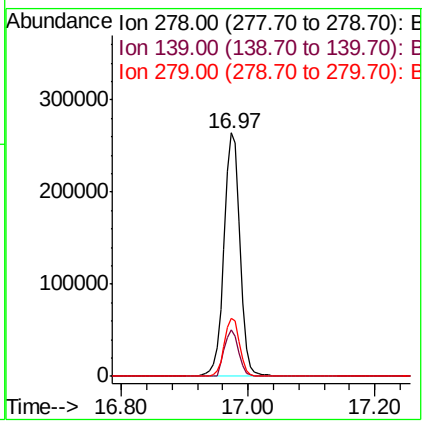





#91
Dibenzo(a,h)anthracene
Concen: 45.817 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:278 Resp: 464361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.2 | 15.3 | 22.9 |
| 279 | 23.9 | 19.0 | 28.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB122393BS

**Manual Integrations APPROVED**
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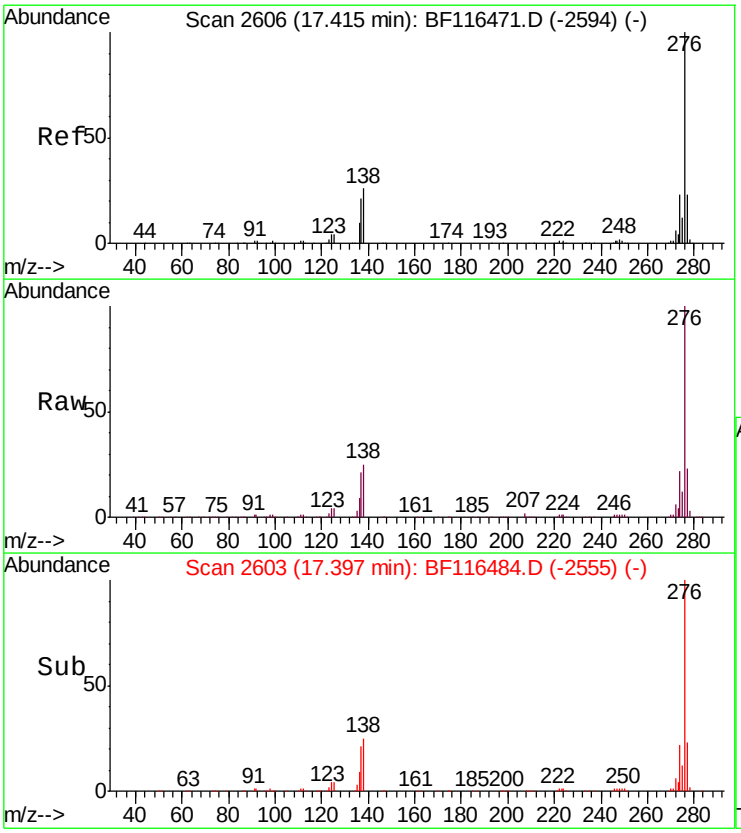
8/28/2019 8:09:44 AM




#92
Benzo(g,h,i)perylene
Concen: 48.918 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF116484.D
Acq: 23 Aug 2019 18:28

Tgt Ion:276 Resp: 472659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.6 | 18.7 | 28.1 |
| 138 | 24.9 | 20.8 | 31.2 |