Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
Data File : BN007900.D
Acq On : 30 Sep 2019 17:06
Operator : JU
Sample : K5077-23MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

**Manual Integrations APPROVED**
mohammad
10/2/2019 8:21:32 AM

Quant Time: Oct 01 07:22:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 11202 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.46 | 136 | 44991 | 0.40 | ng | | -0.01 |
| 13) Acenaphthene-d10 | 14.31 | 164 | 25177 | 0.40 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.06 | 188 | 45397 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.26 | 240 | 36082 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.47 | 264 | 44477 | 0.40 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.31 | 112 | 9705 | 0.25 | ng | | 0.00 |
| 5) Phenol-d6 | 6.87 | 99 | 12811 | 0.26 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.83 | 82 | 11048 | 0.28 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 21245 | 0.28 | ng | | -0.01 |
| 14) 2,4,6-Tribromophenol | 15.81 | 330 | 2878 | 0.21 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 12.93 | 172 | 28822 | 0.28 | ng | | -0.01 |
| 25) Fluoranthene-d10 | 19.09 | 212 | 35354 | 0.23 | ng | | -0.01 |
| 29) Terphenyl-d14 | 19.70 | 244 | 28797 | 0.32 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.30 | 88 | 2385 | 0.191 | ng | # | 78 |
| 6) bis(2-Chloroethyl)ether | 7.12 | 93 | 9805 | 0.309 | ng | | 92 |
| 9) Naphthalene | 10.51 | 128 | 34680 | 0.275 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.81 | 225 | 6658 | 0.250 | ng | # | 100 |
| 12) 2-Methylnaphthalene | 12.13 | 142 | 23315 | 0.273 | ng | | 99 |
| 16) Acenaphthylene | 14.03 | 152 | 41310 | 0.309 | ng | | 99 |
| 17) Acenaphthene | 14.38 | 154 | 21015 | 0.244 | ng | | 98 |
| 18) Fluorene | 15.36 | 166 | 27087 | 0.246 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.25 | 248 | 7802 | 0.283 | ng | # | 75 |
| 21) Hexachlorobenzene | 16.38 | 284 | 7974 | 0.265 | ng | | 98 |
| 22) Pentachlorophenol | 16.72 | 266 | 5413 | 0.487 | ng | | 98 |
| 23) Phenanthrene | 17.10 | 178 | 89968 | 0.636 | ng | | 100 |
| 24) Anthracene | 17.19 | 178 | 41880 | 0.328 | ng | | 99 |
| 26) Fluoranthene | 19.12 | 202 | 142841 | 0.812 | ng | | 99 |
| 28) Pyrene | 19.49 | 202 | 131043 | 1.065 | ng | | 98 |
| 30) Benzo(a)anthracene | 21.24 | 228 | 72956 | 0.549 | ng | | 99 |
| 31) Chrysene | 21.29 | 228 | 84726 | 0.654 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 42357 | 0.620 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.68 | 276 | 89960 | 0.555 | ng | | 100 |
| 35) Benzo(b)fluoranthene | 22.81 | 252 | 109888 | 0.712 | ng | | 99 |
| 36) Benzo(k)fluoranthene | 22.86 | 252 | 68268m | 0.447 | ng | | |
| 37) Benzo(a)pyrene | 23.38 | 252 | 85895 | 0.592 | ng | | 99 |
| 38) Dibenzo(a,h)anthracene | 25.70 | 278 | 49231 | 0.332 | ng | | 97 |
| 39) Benzo(g,h,i)perylene | 26.36 | 276 | 83836 | 0.571 | ng | | 99 |

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

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Sample : K5077-23MSD
Misc :
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**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

**Manual Integrations APPROVED**
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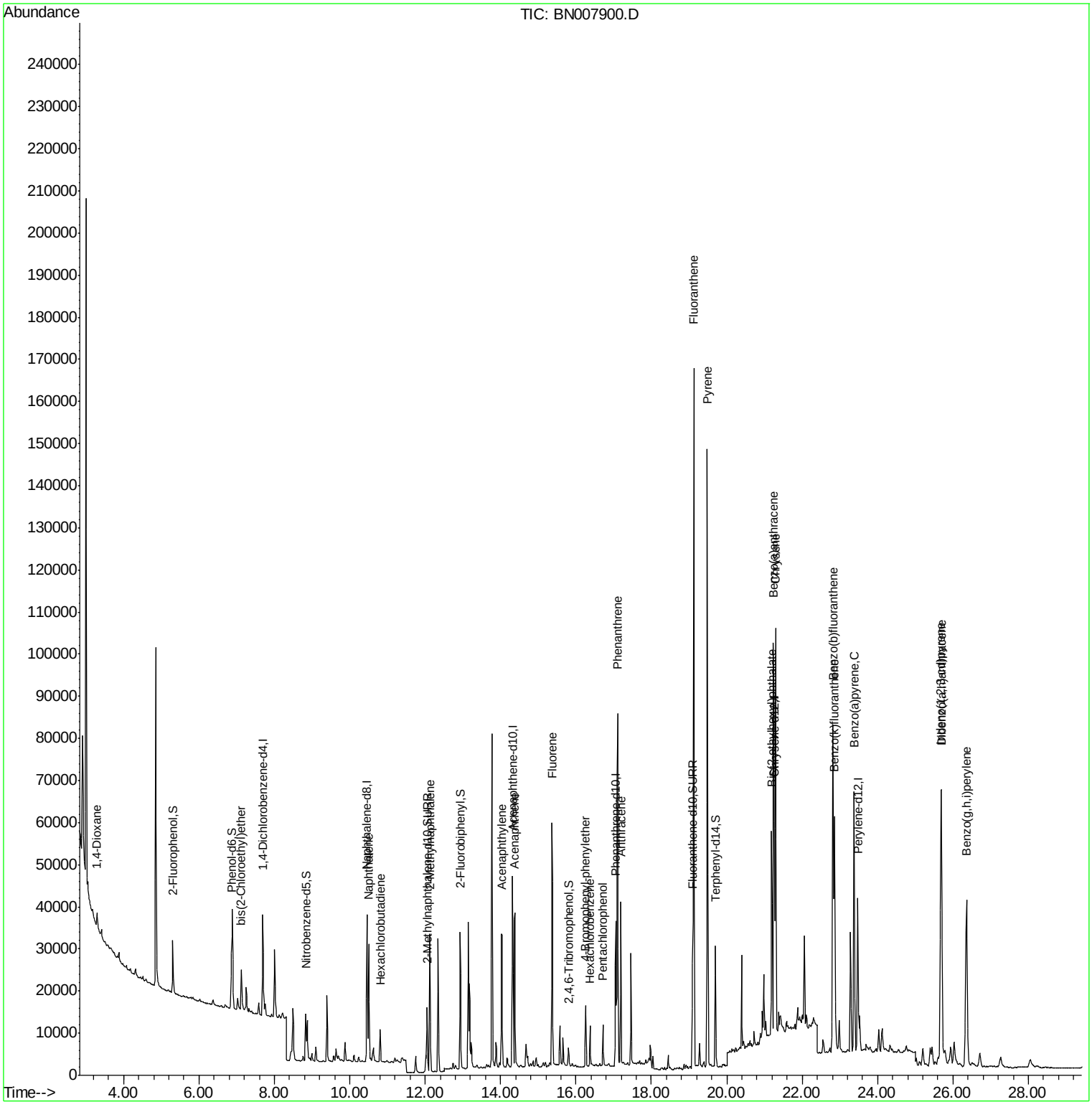
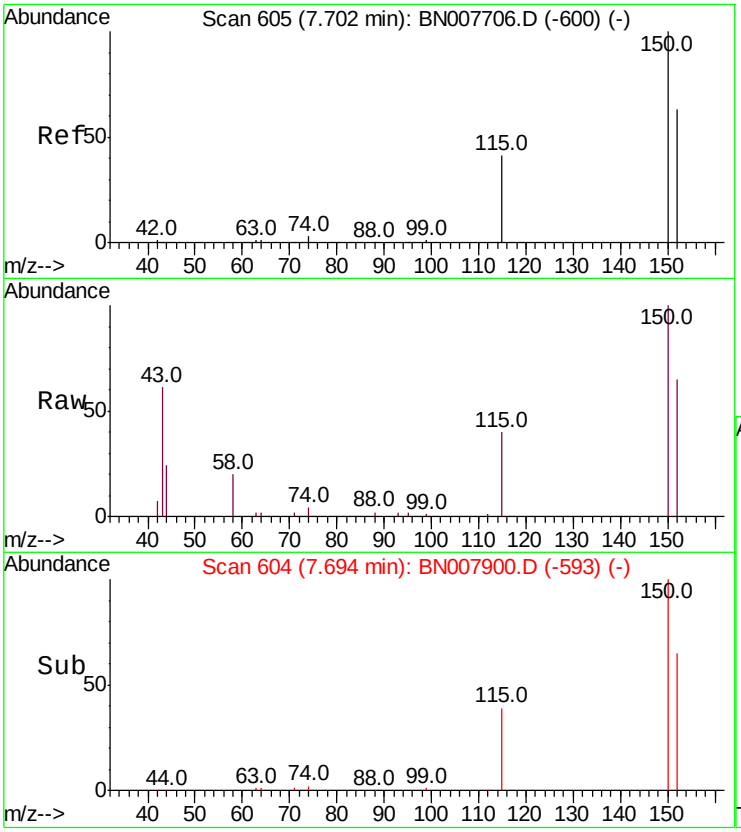
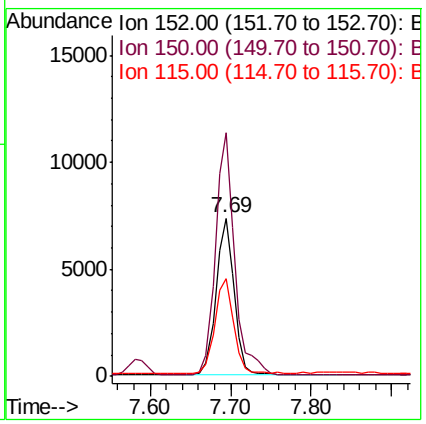





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:152 Resp: 11202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.1 | 125.6 | 188.4 |
| 115 | 61.9 | 53.3 | 79.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

**Manual Integrations APPROVED**
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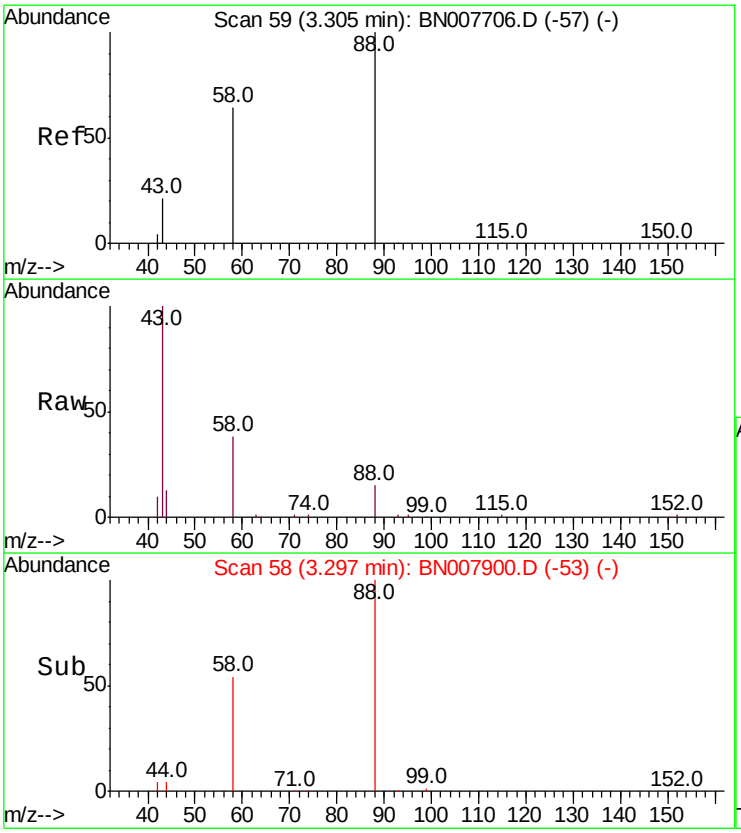
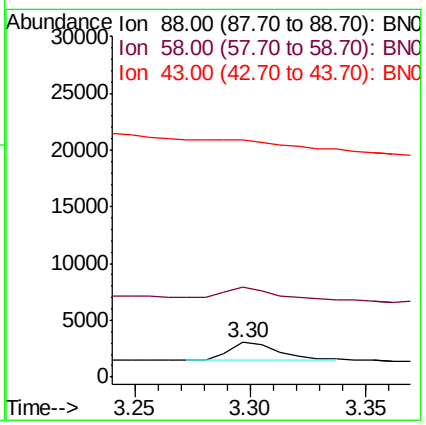
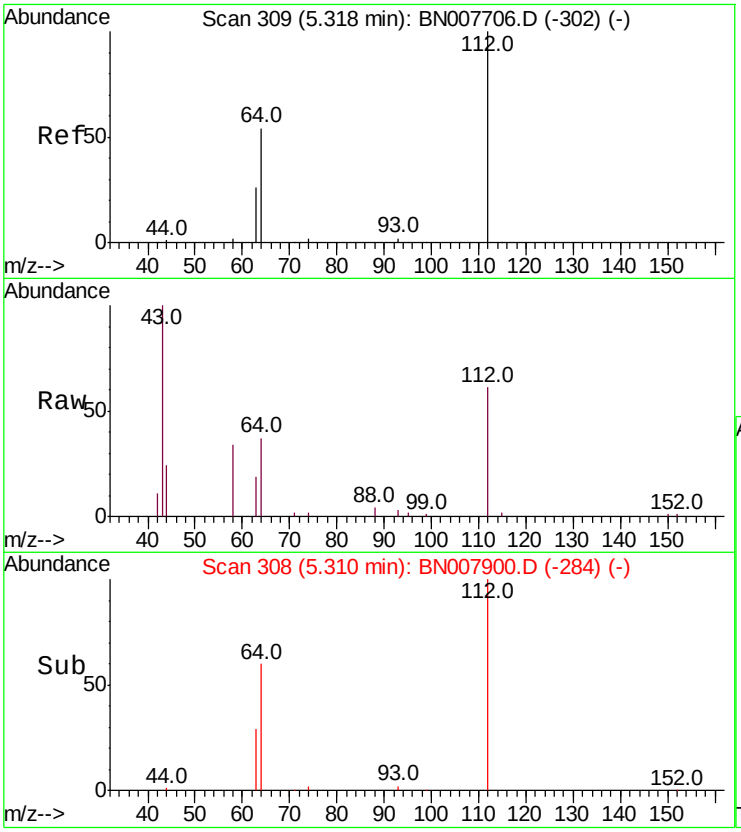



#2
1,4-Dioxane
Concen: 0.191 ng
RT: 3.30 min Scan# 58
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion: 88 Resp: 2385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.3 | 44.6 | 66.8# |
| 43 | 0.0 | 14.4 | 21.6# |






#4
2-Fluorophenol
Concen: 0.252 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:112 Resp: 9705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.7 | 46.6 | 70.0 |
| 63 | 28.5 | 23.1 | 34.7 |

**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

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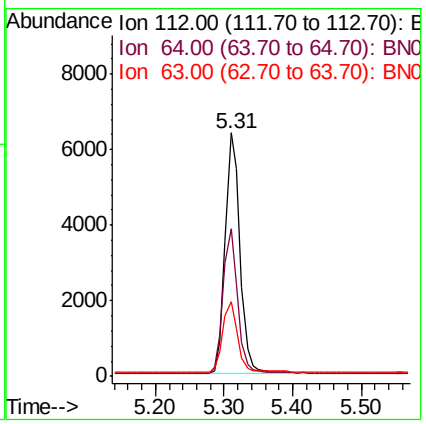
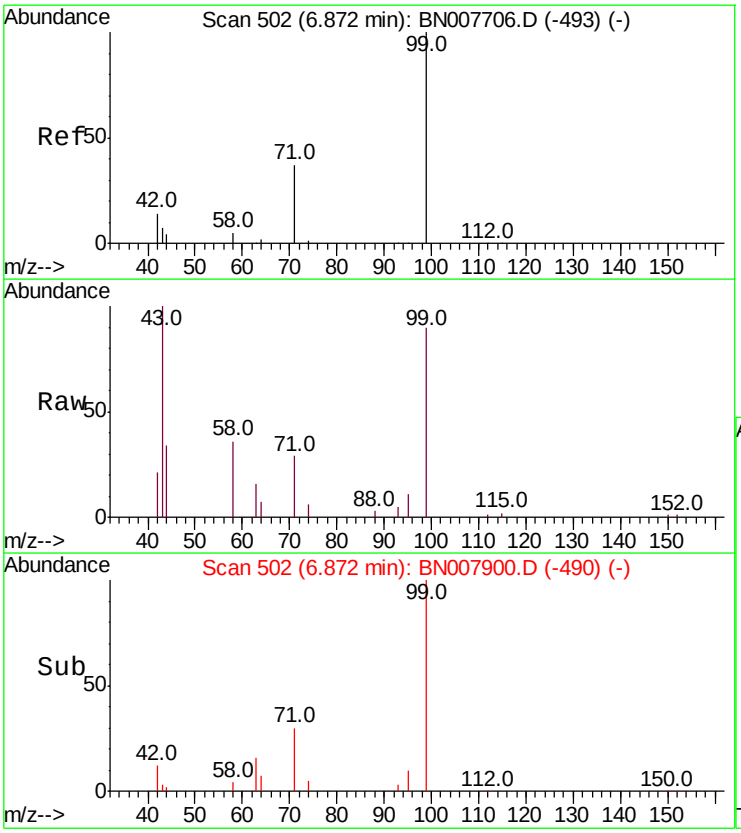
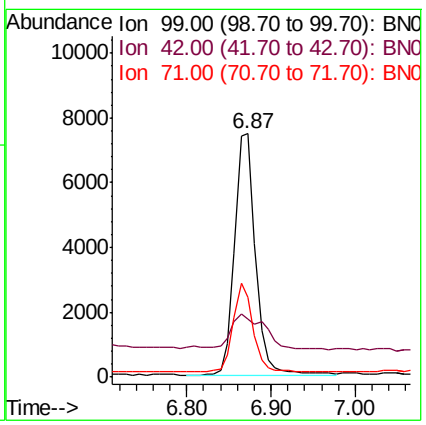


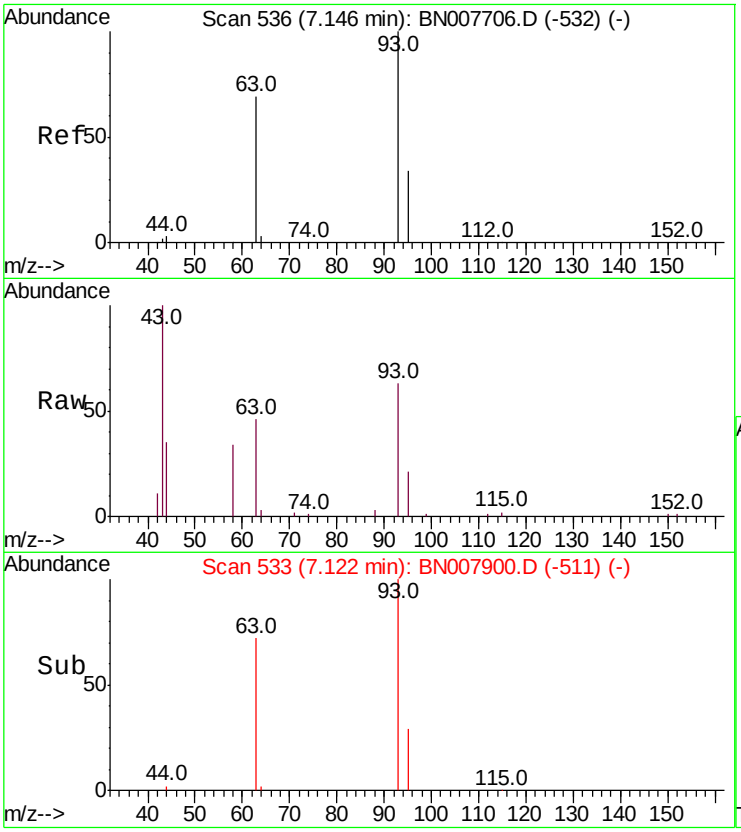




#5
Phenol-d6
Concen: 0.264 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion: 99 Resp: 12811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.1 | 12.8 | 19.2# |
| 71 | 35.4 | 27.6 | 41.4 |

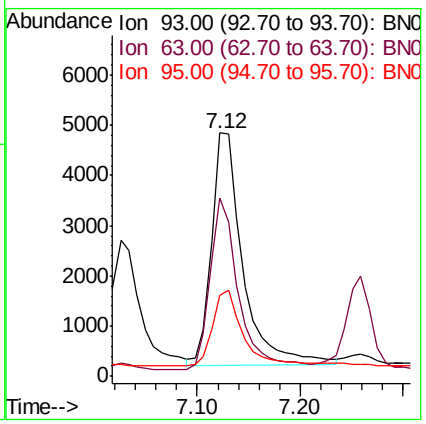





#6
bis(2-Chloroethyl)ether
Concen: 0.309 ng
RT: 7.12 min Scan# 533
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion: 93 Resp: 9805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.5 | 59.3 | 88.9 |
| 95 | 33.4 | 31.4 | 47.0 |




**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

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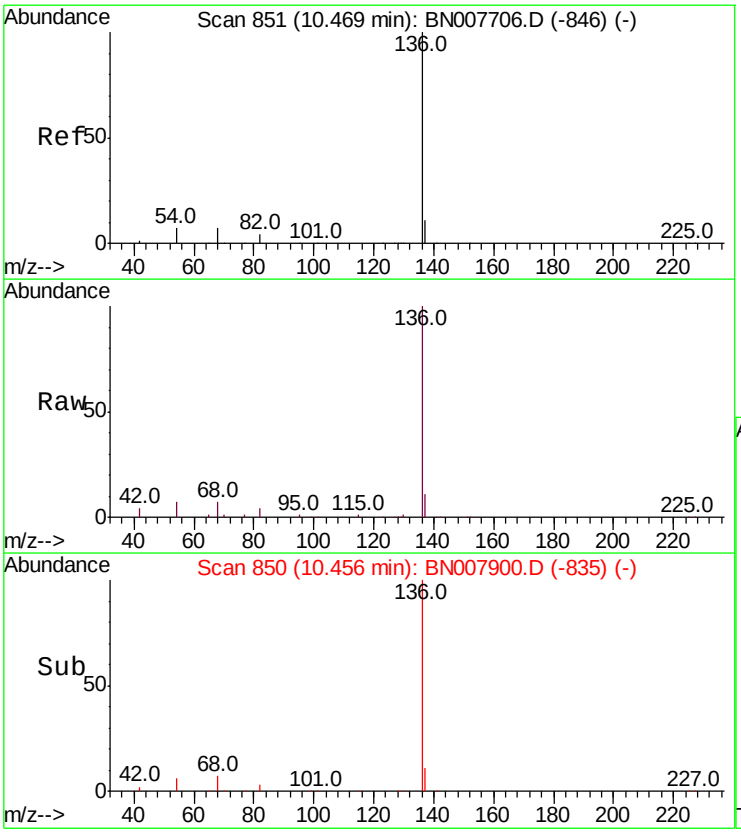
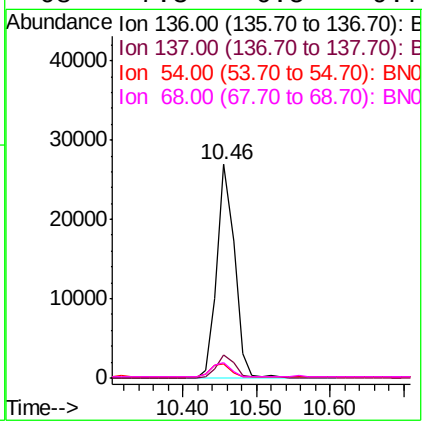
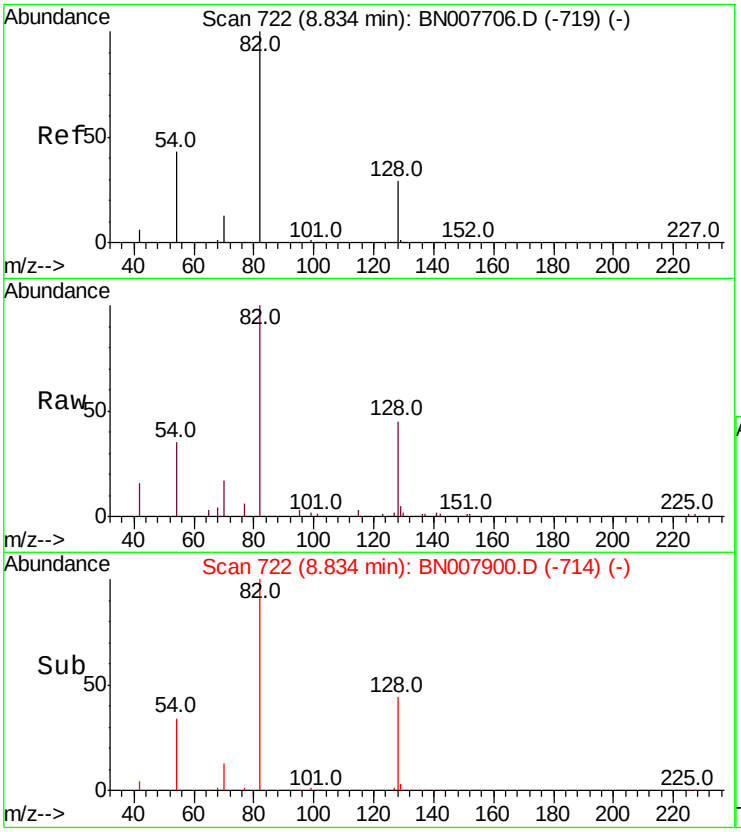



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:136 Resp: 44991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.2 | 13.8 |
| 54 | 6.6 | 5.8 | 8.8 |
| 68 | 7.3 | 6.5 | 9.7 |






#8
Nitrobenzene-d5
Concen: 0.281 ng
RT: 8.83 min Scan# 722
Delta R.T. -0.00 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion: 82 Resp: 11048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 24.5 | 36.7# |
| 54 | 35.4 | 35.2 | 52.8 |

**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

**Manual Integrations APPROVED**
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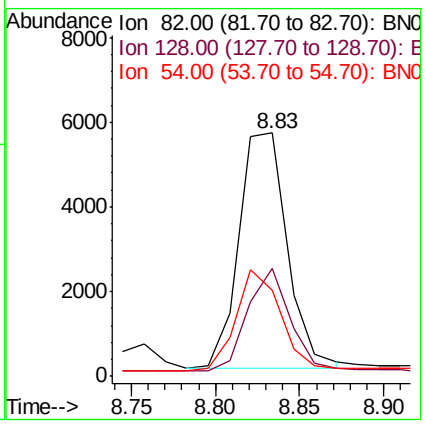
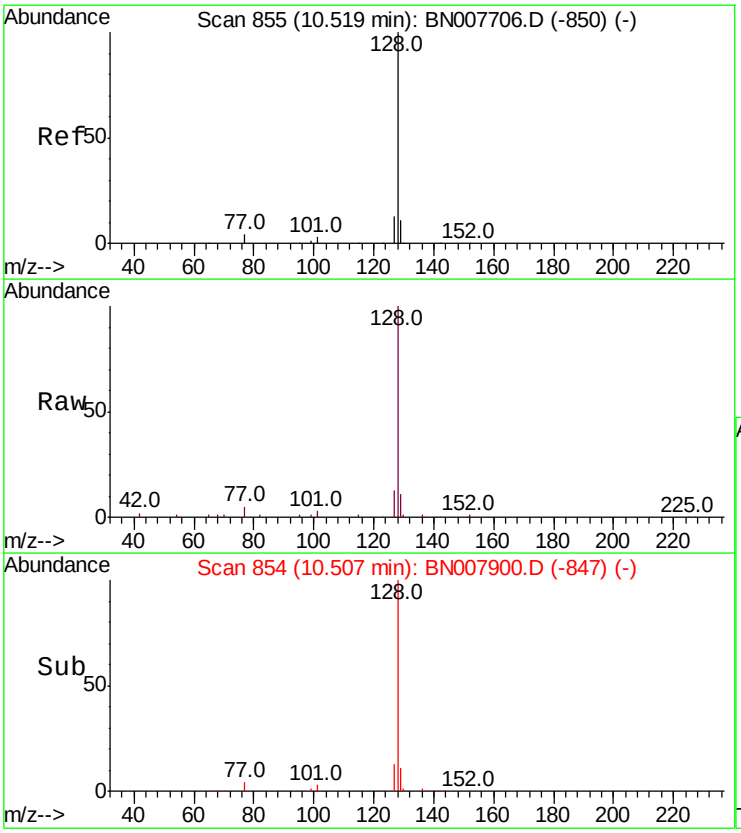
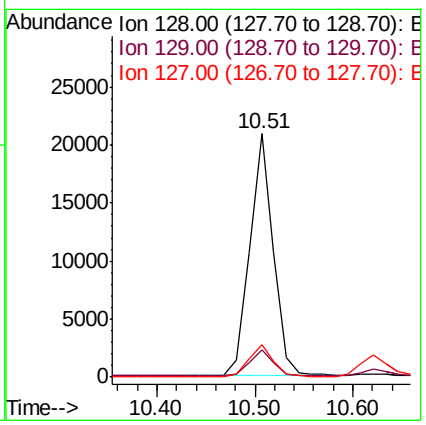


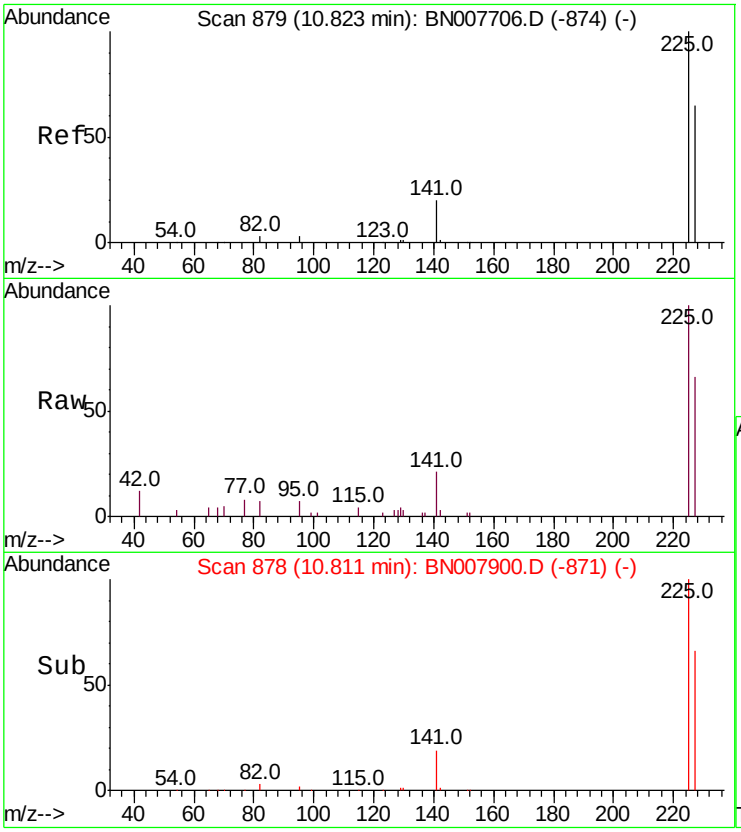




#9
Naphthalene
Concen: 0.275 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:128 Resp: 34680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.1 | 13.7 |
| 127 | 13.3 | 10.6 | 15.8 |

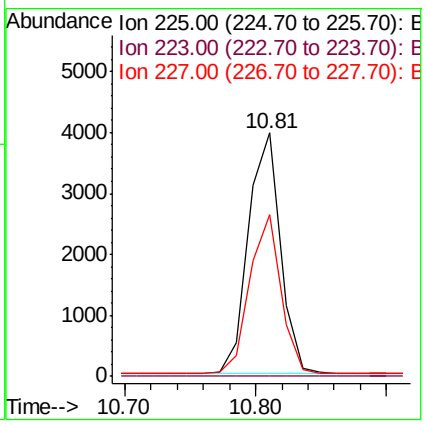





#10
Hexachlorobutadiene
Concen: 0.250 ng
RT: 10.81 min Scan# 878
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:225 Resp: 6658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 0.0 |
| 227 | 64.2 | 51.2 | 76.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

**Manual Integrations APPROVED**
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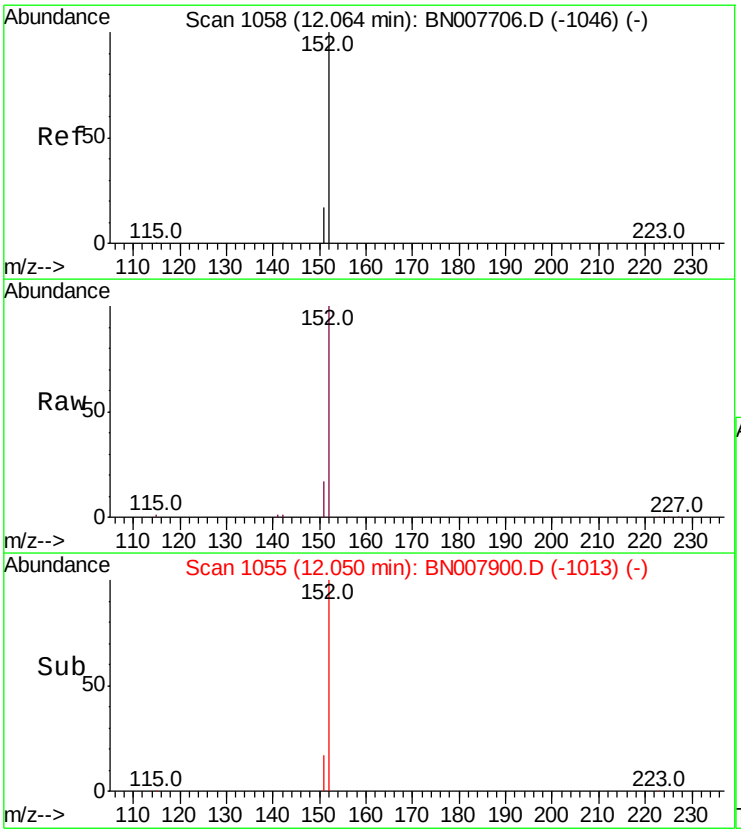
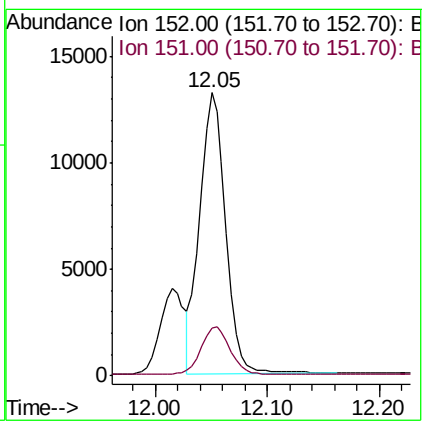
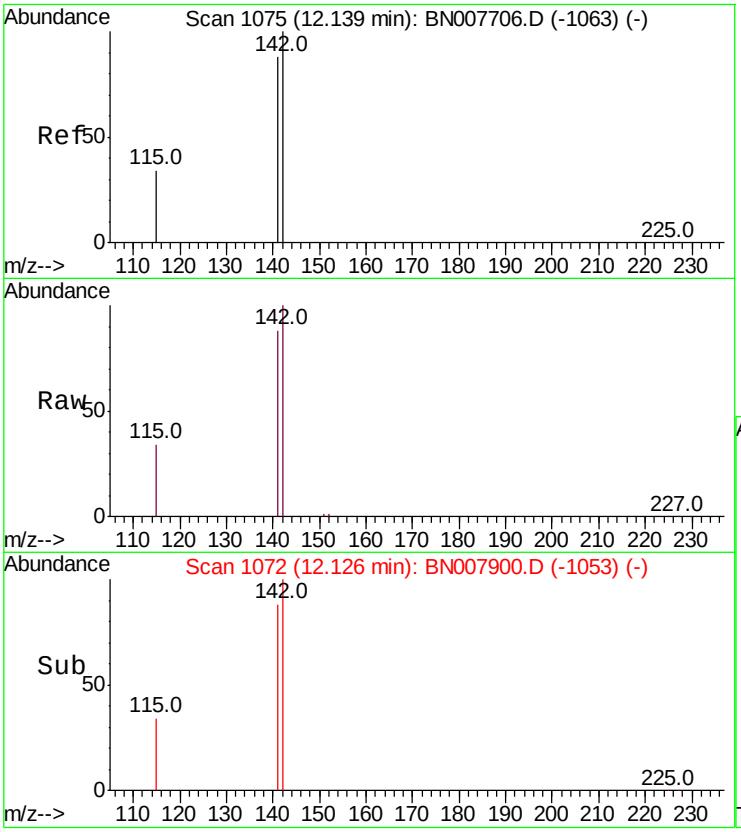



#11
2-Methylnaphthalene-d10
Concen: 0.280 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:152 Resp: 21245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 15.4 | 23.2 |

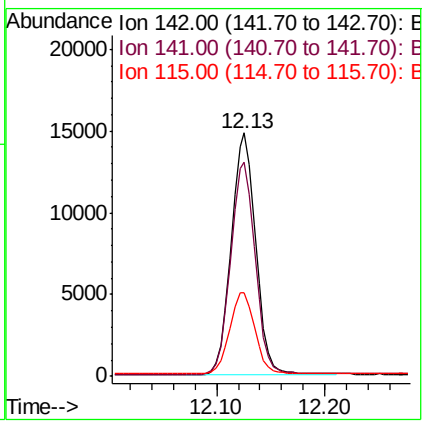





#12
2-Methylnaphthalene
Concen: 0.273 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:142 Resp: 23315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 70.6 | 106.0 |
| 115 | 34.5 | 28.3 | 42.5 |




**Instrument :**
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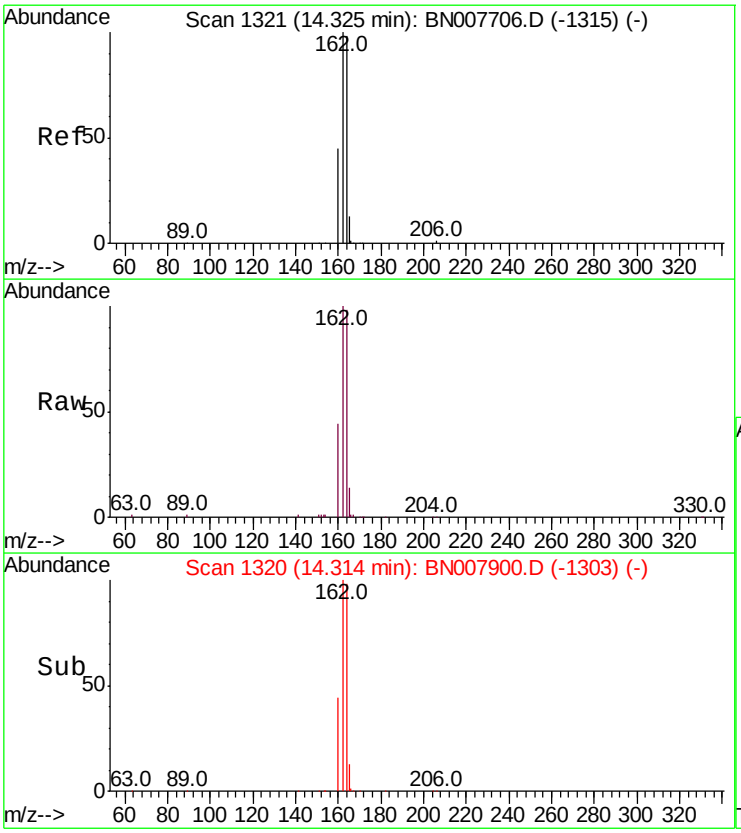
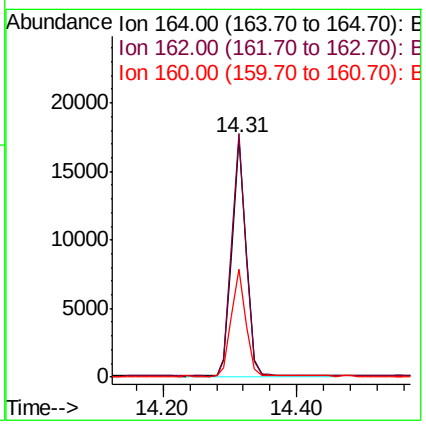
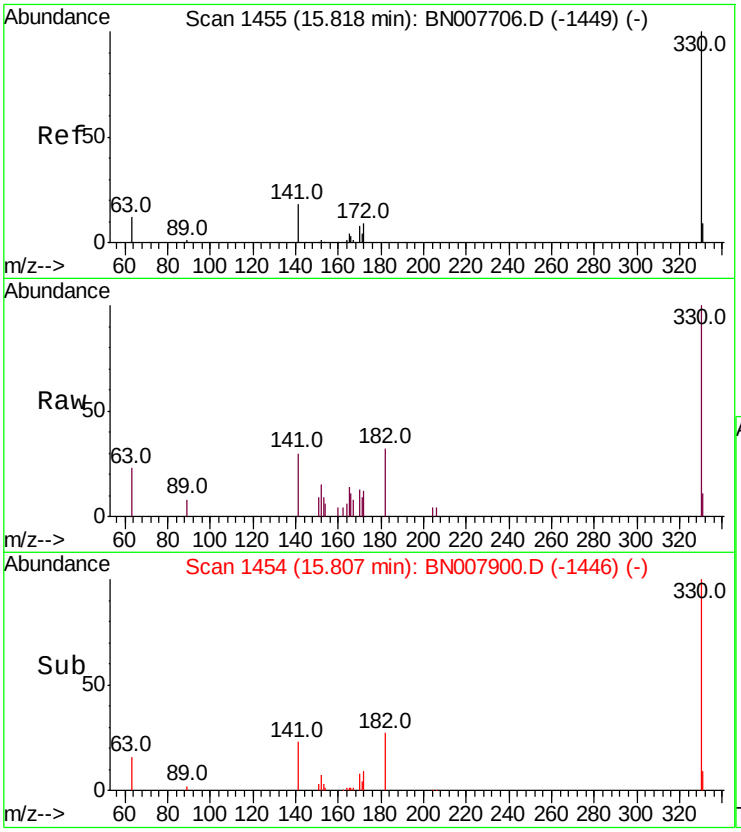



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:164 Resp: 25177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 81.7 | 122.5 |
| 160 | 44.9 | 37.0 | 55.4 |






#14
2,4,6-Tribromophenol
Concen: 0.210 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:330 Resp: 2878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 35.5 | 28.7 | 43.1 |

**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

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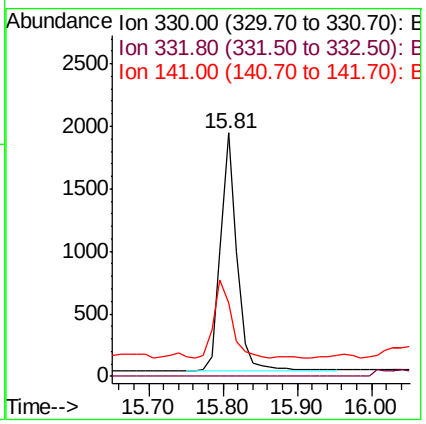
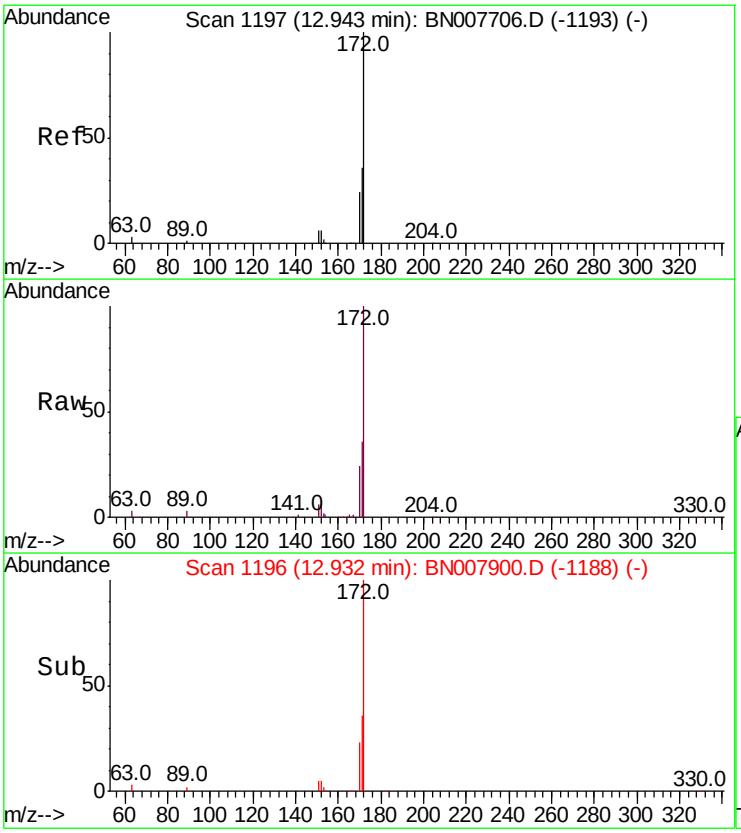
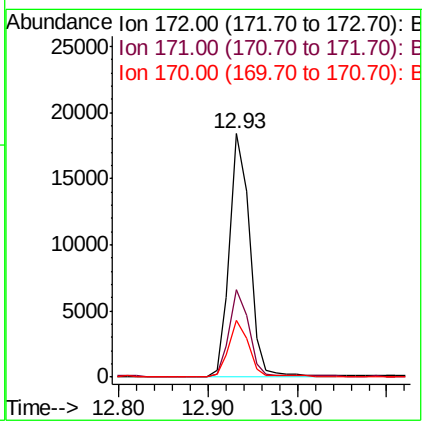


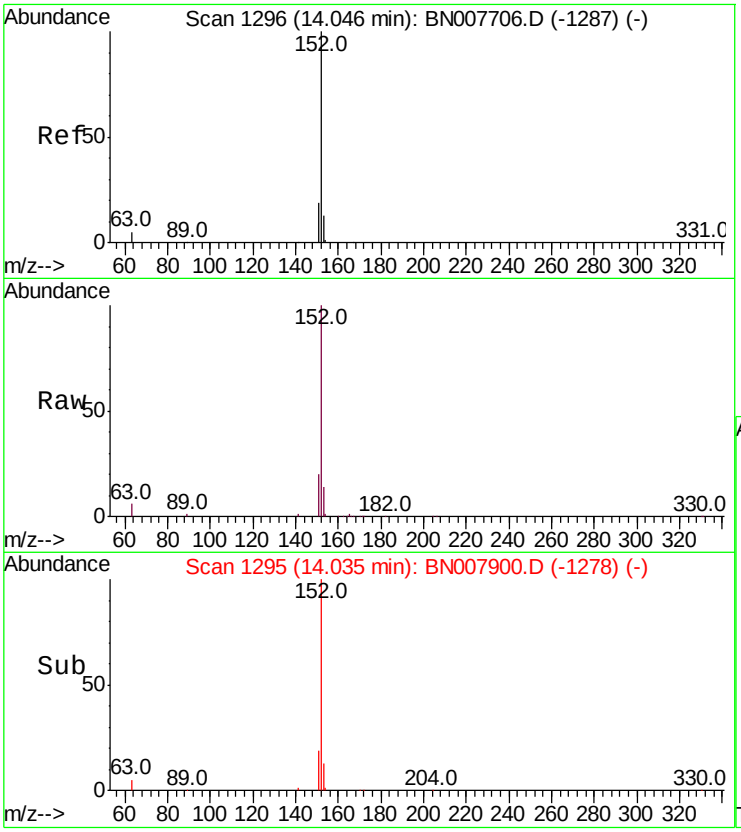




#15
2-Fluorobiphenyl
Concen: 0.278 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:172 Resp: 28822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.6 | 19.5 | 29.3 |

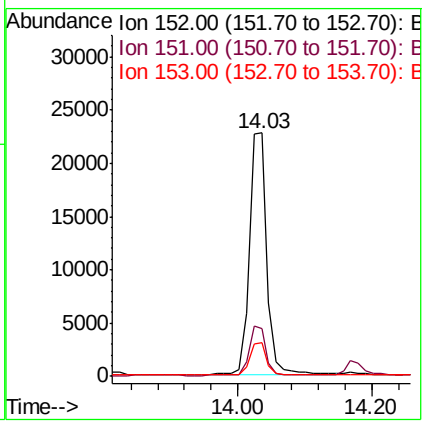





#16
Acenaphthylene
Concen: 0.309 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:152 Resp: 41310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.5 | 23.3 |
| 153 | 13.1 | 10.4 | 15.6 |




**Instrument :**
BNA_N
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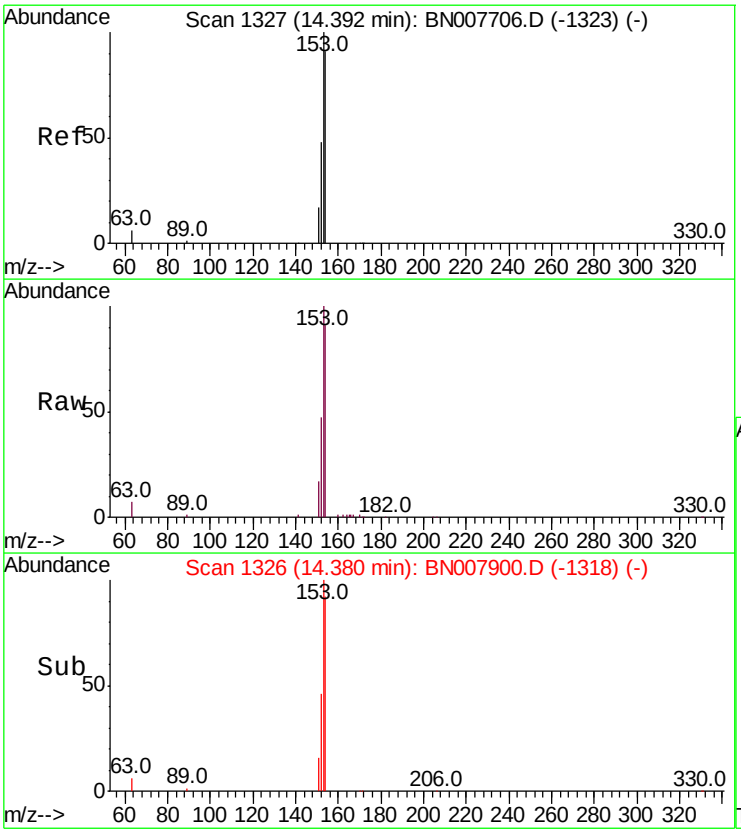
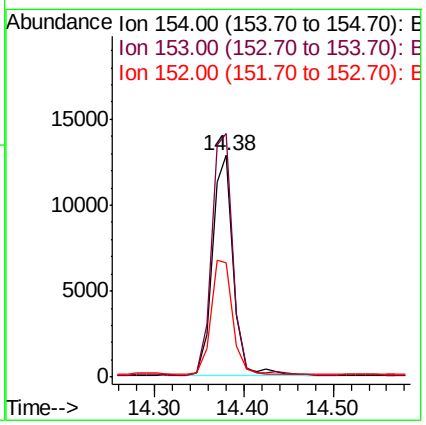
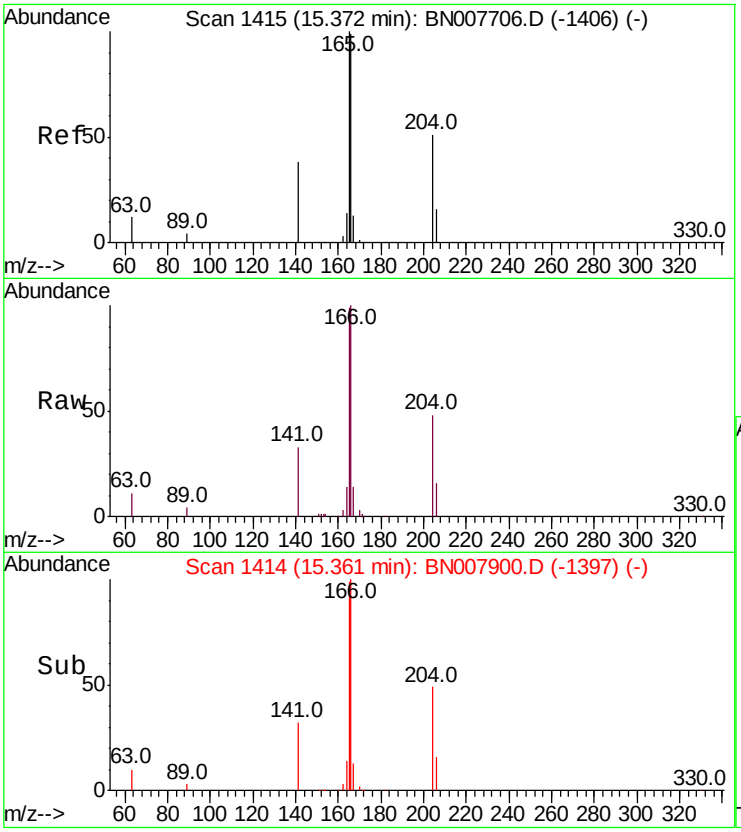



#17
Acenaphthene
Concen: 0.244 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:154 Resp: 21015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.7 | 87.0 | 130.4 |
| 152 | 54.4 | 42.7 | 64.1 |

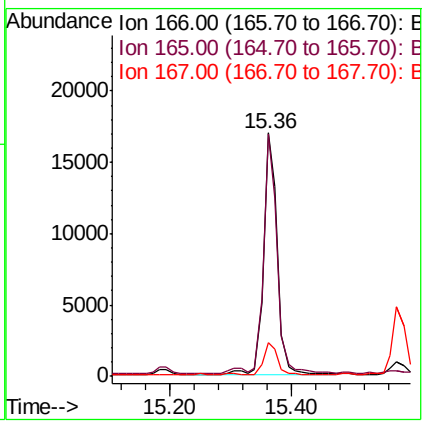





#18
Fluorene
Concen: 0.246 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:166 Resp: 27087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.2 | 78.0 | 117.0 |
| 167 | 13.7 | 10.9 | 16.3 |




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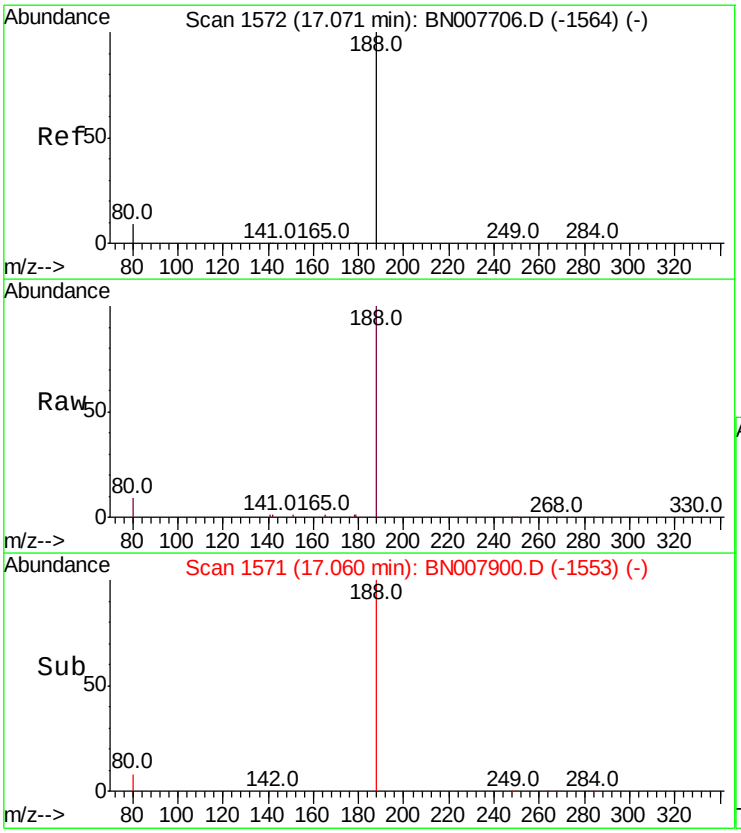
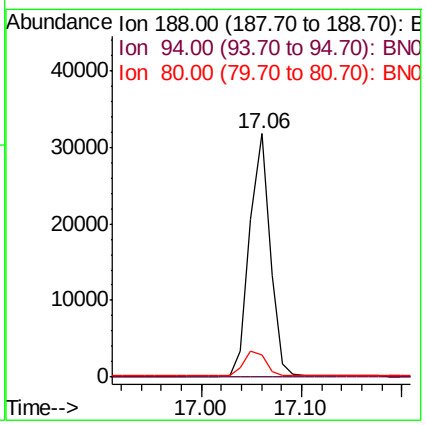
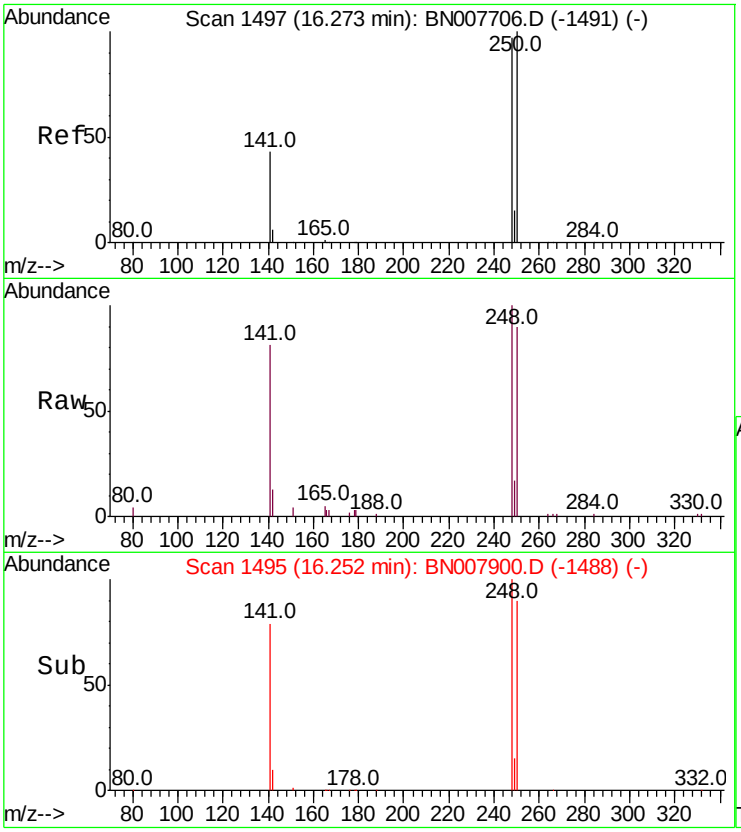



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:188 Resp: 45397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 8.9 | 7.4 | 11.2 |

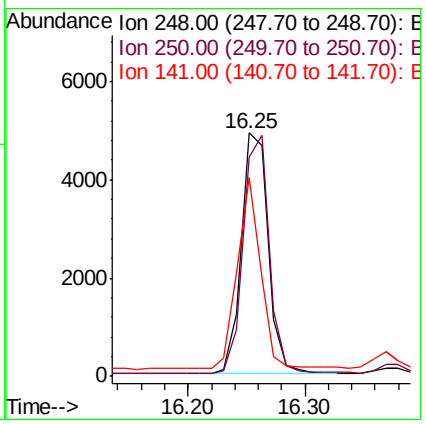





#20
4-Bromophenyl-phenylether
Concen: 0.283 ng
RT: 16.25 min Scan# 1495
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:248 Resp: 7802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 90.2 | 82.2 | 123.4 |
| 141 | 81.4 | 36.3 | 54.5# |

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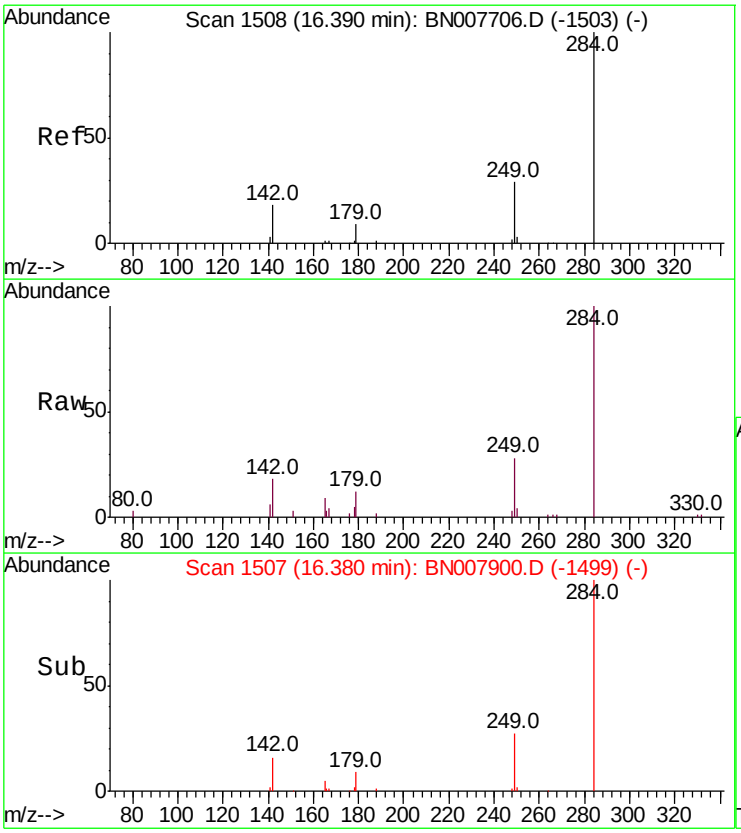
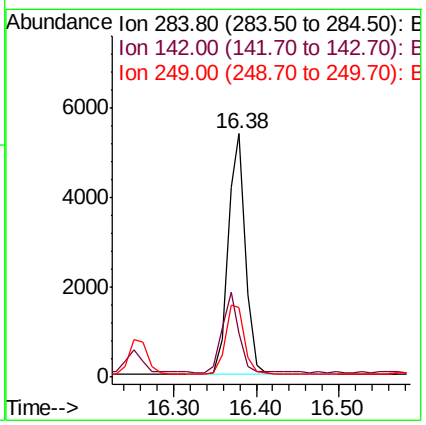
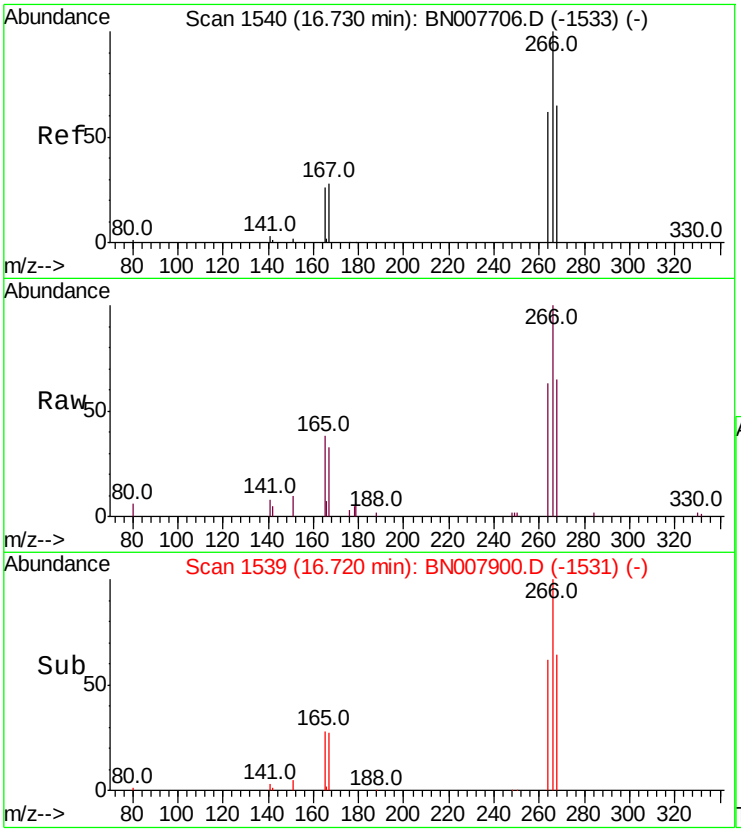



#21
Hexachlorobenzene
Concen: 0.265 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:284 Resp: 7974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.8 | 38.6 |
| 249 | 31.1 | 25.9 | 38.9 |

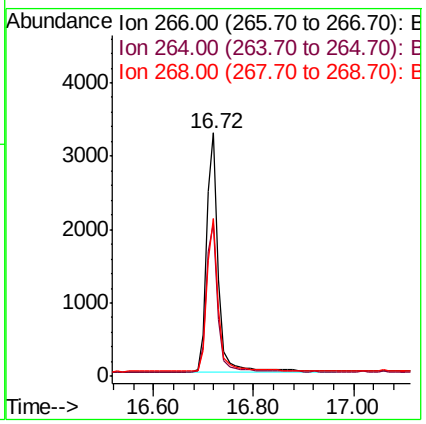





#22
Pentachlorophenol
Concen: 0.487 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:266 Resp: 5413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.5 | 50.0 | 75.0 |
| 268 | 64.6 | 54.2 | 81.4 |




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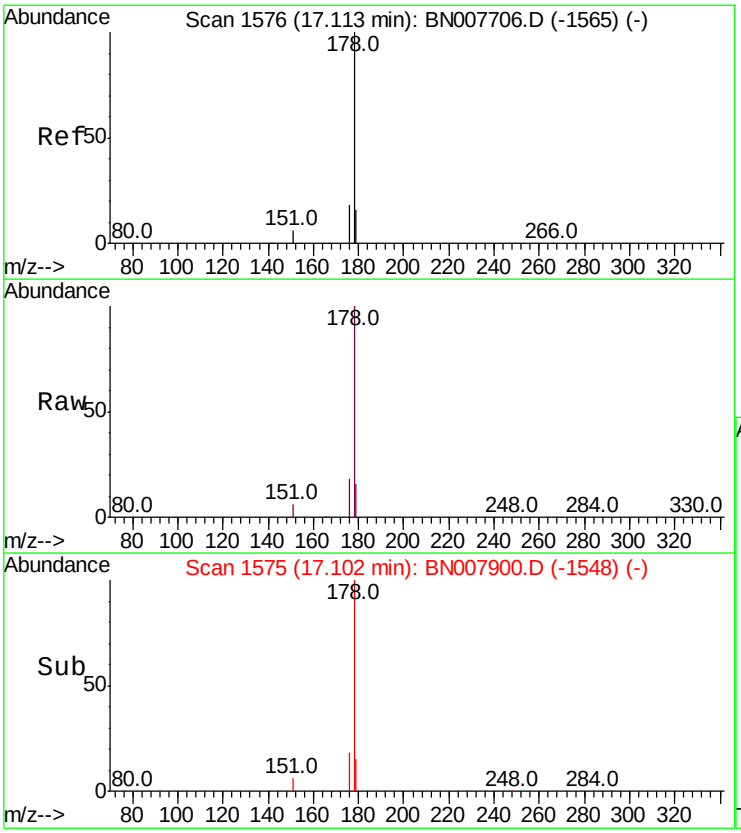
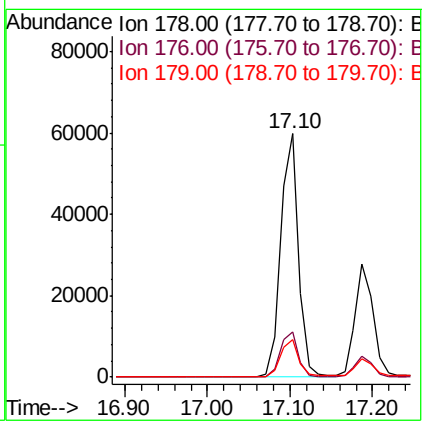
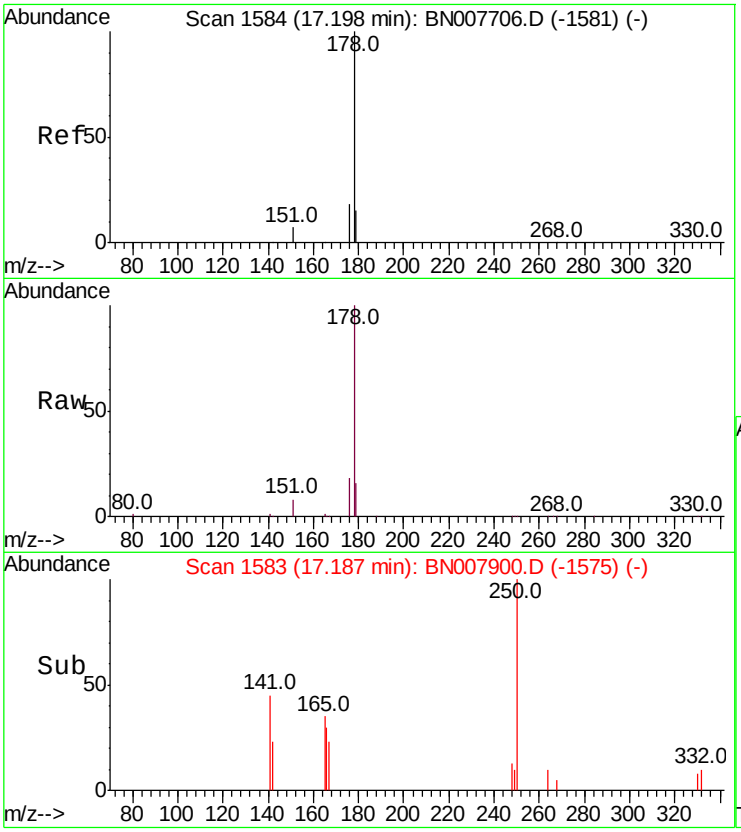



#23
Phenanthrene
Concen: 0.636 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:178 Resp: 89968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.5 | 12.5 | 18.7 |

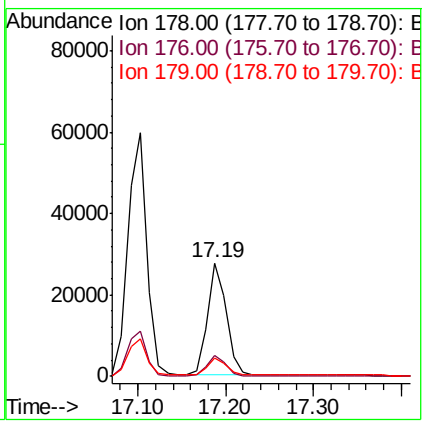





#24
Anthracene
Concen: 0.328 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:178 Resp: 41880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.9 | 14.6 | 21.8 |
| 179 | 15.0 | 12.2 | 18.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

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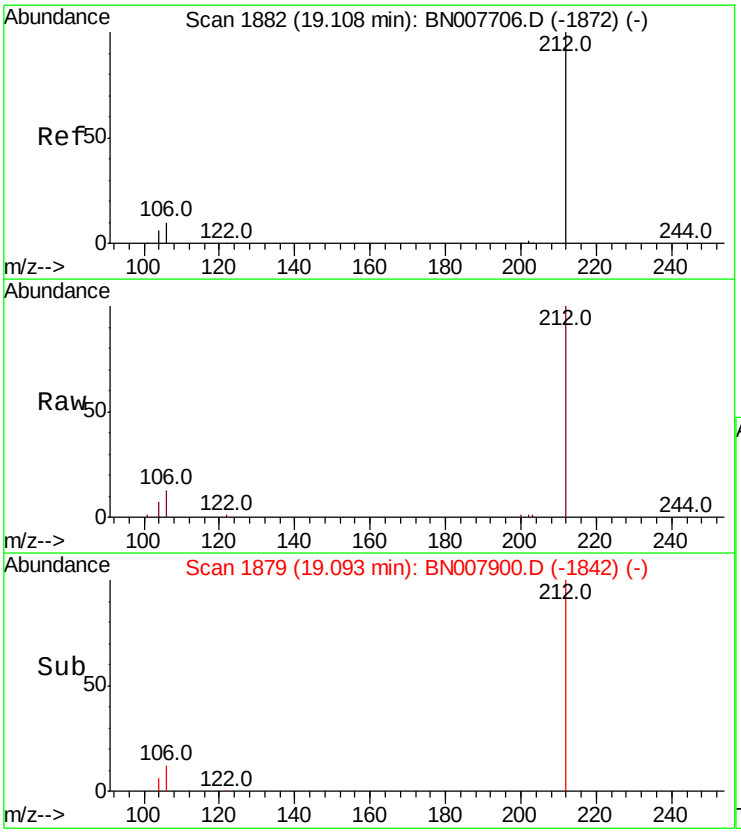
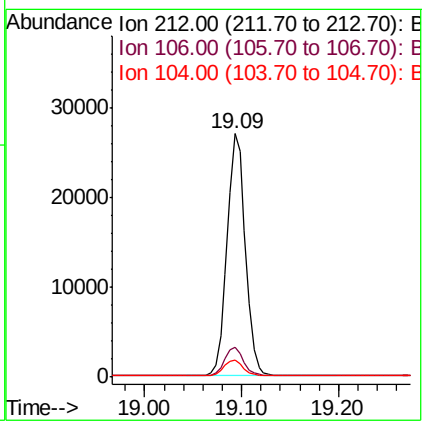
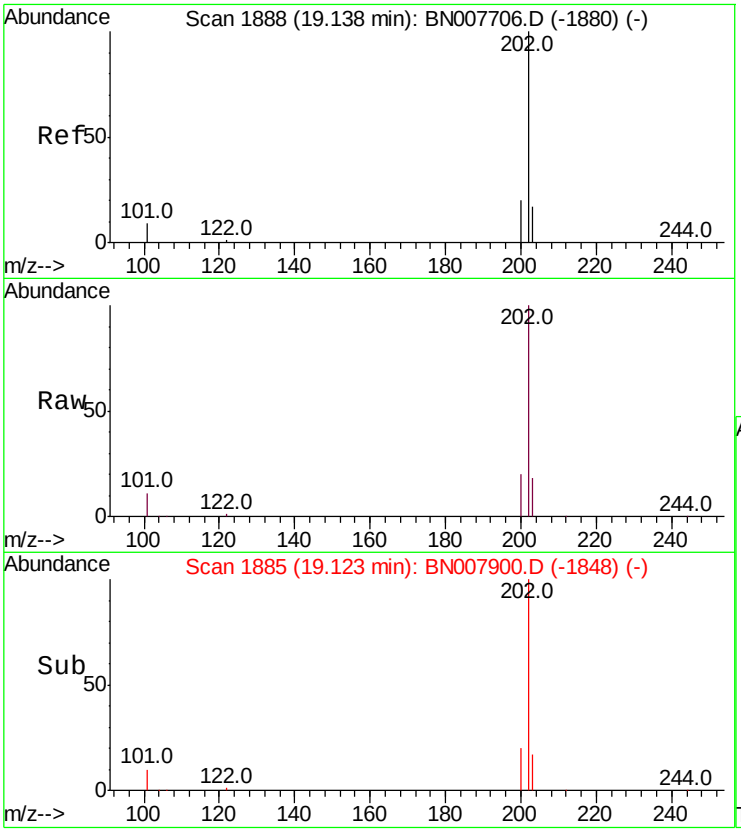



#25
Fluoranthene-d10
Concen: 0.231 ng
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:212 Resp: 35354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 11.8 | 9.4 | 14.0 |
| 104 | 6.7 | 5.3 | 7.9 |

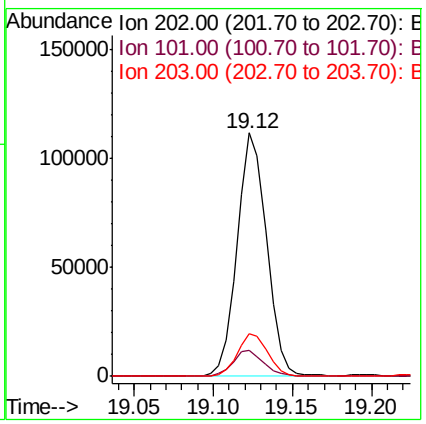





#26
Fluoranthene
Concen: 0.812 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:202 Resp: 142841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 8.4 | 12.6 |
| 203 | 17.5 | 13.8 | 20.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

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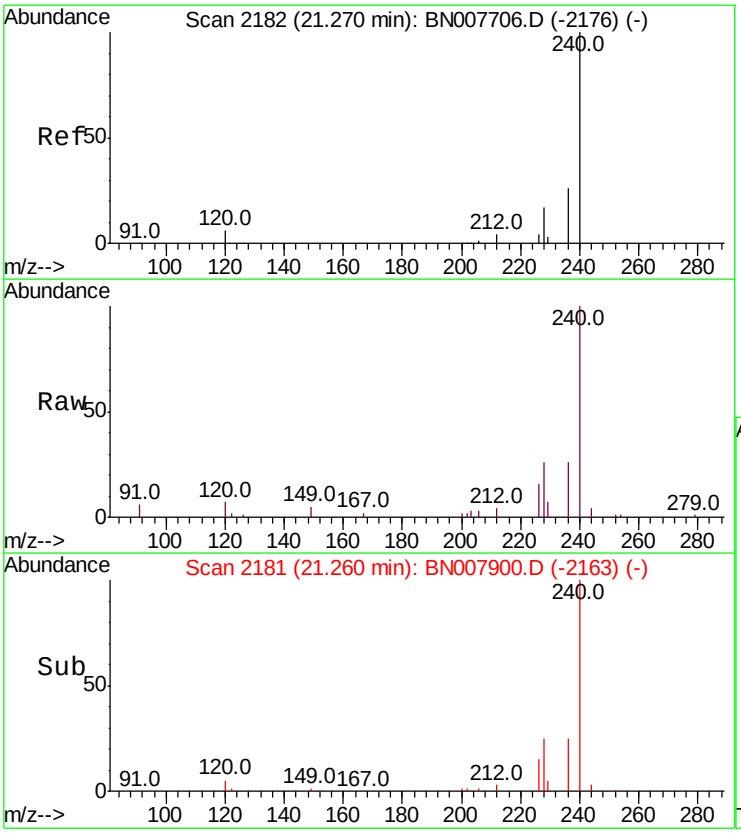
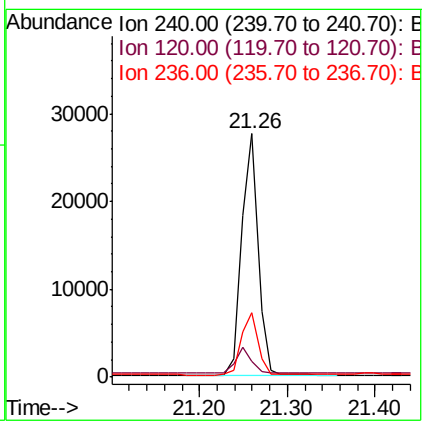
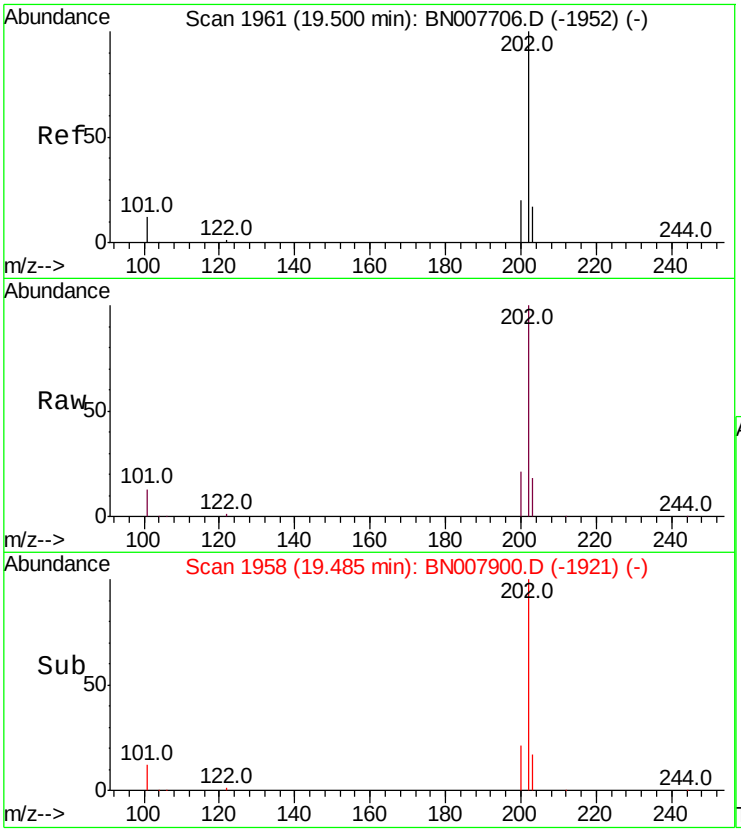



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:240 Resp: 36082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.7 | 5.4 | 8.2 |
| 236 | 26.3 | 21.0 | 31.4 |

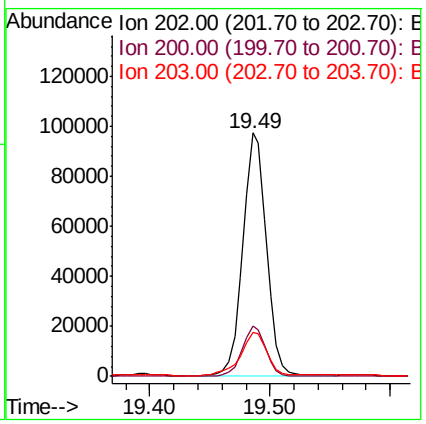





#28
Pyrene
Concen: 1.065 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:202 Resp: 131043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 16.4 | 24.6 |
| 203 | 19.9 | 14.1 | 21.1 |




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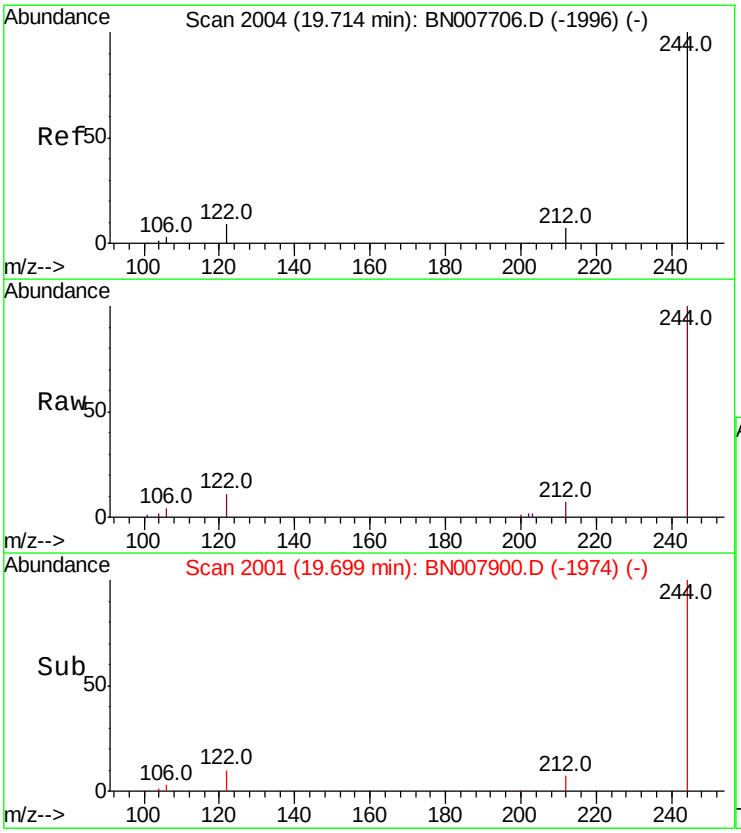
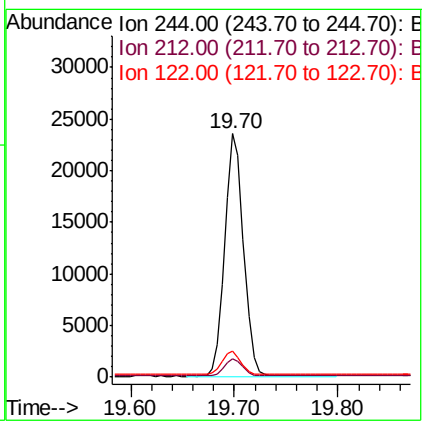
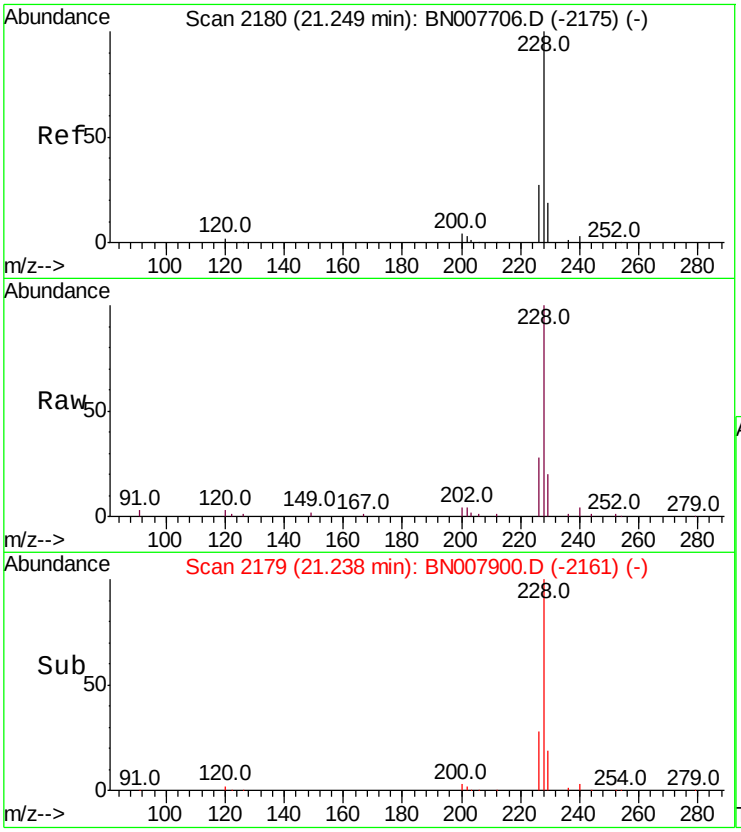



#29
Terphenyl-d14
Concen: 0.325 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:244 Resp: 28797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.9 | 8.9 |
| 122 | 10.7 | 7.4 | 11.2 |

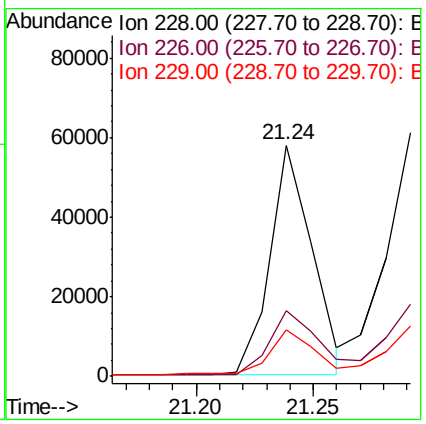





#30
Benzo(a)anthracene
Concen: 0.549 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:228 Resp: 72956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.4 | 22.1 | 33.1 |
| 229 | 20.0 | 15.8 | 23.6 |

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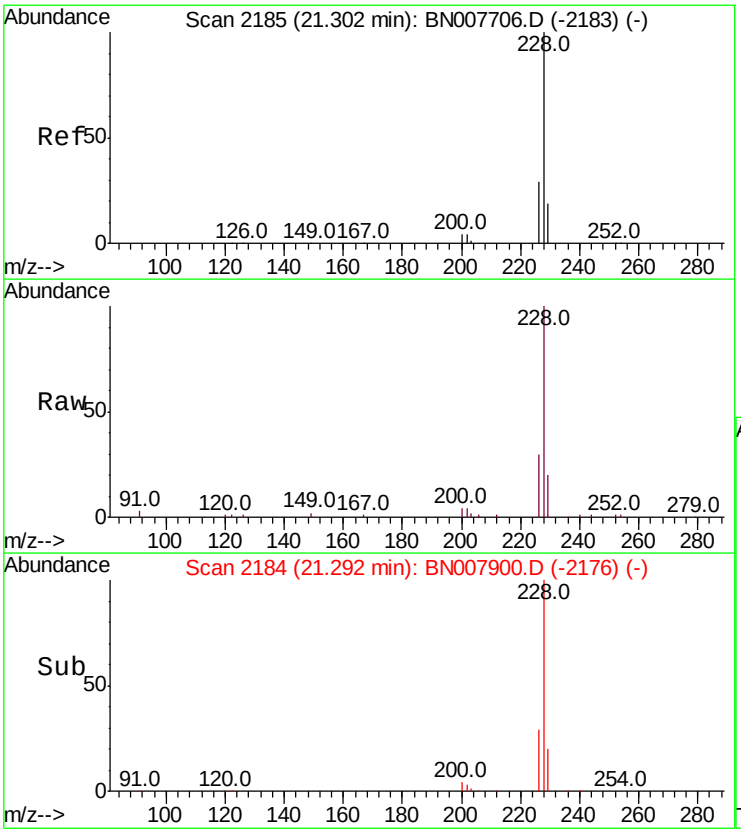
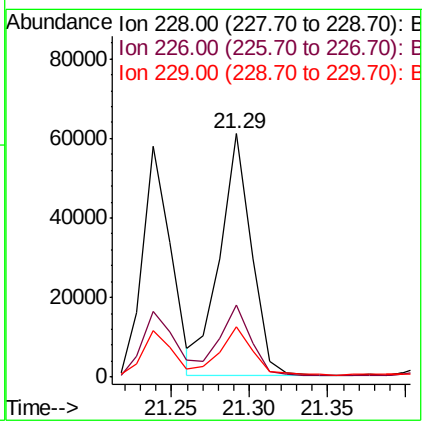
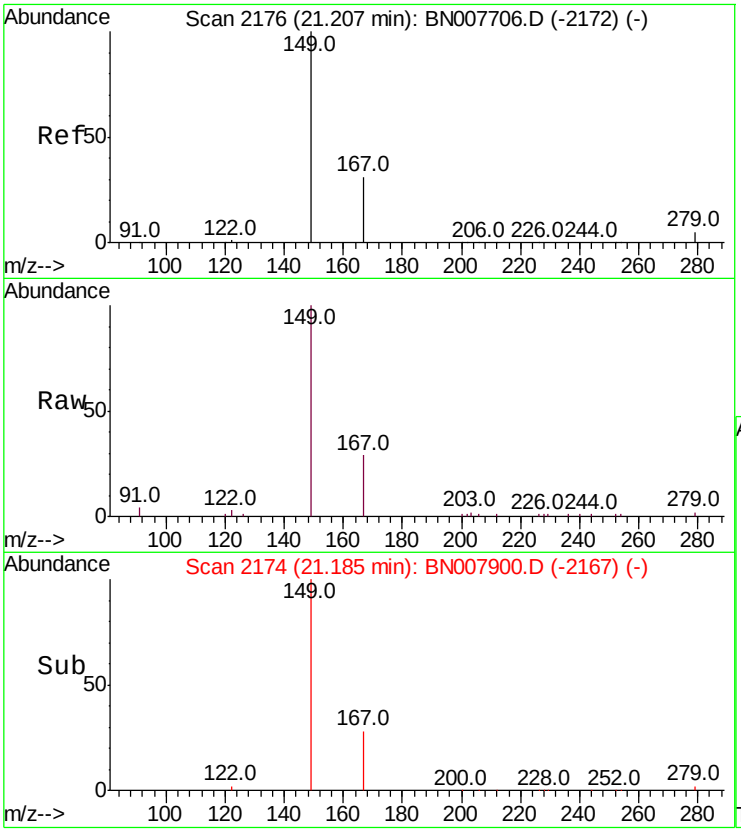



#31
Chrysene
Concen: 0.654 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:228 Resp: 84726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.9 | 35.9 |
| 229 | 20.5 | 15.8 | 23.6 |






#32
Bis(2-ethylhexyl)phthalate
Concen: 0.620 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:149 Resp: 42357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.3 | 23.7 | 35.5 |
| 279 | 5.3 | 4.2 | 6.2 |

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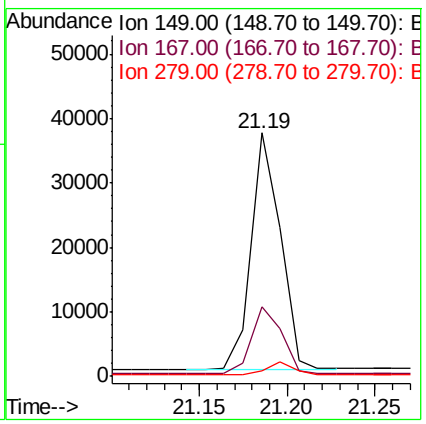
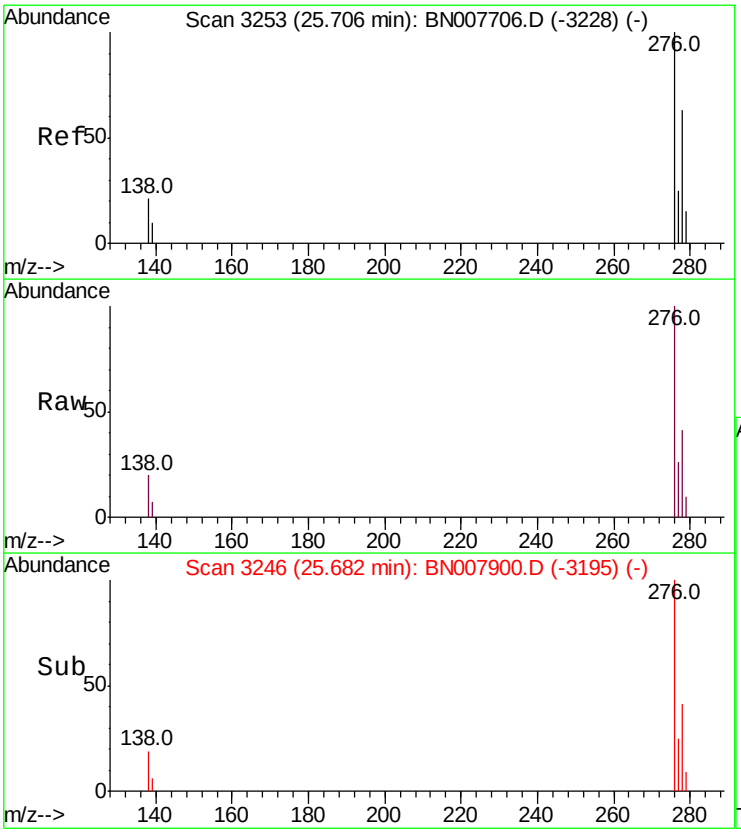
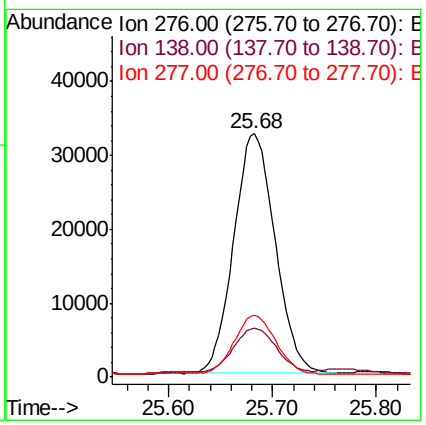


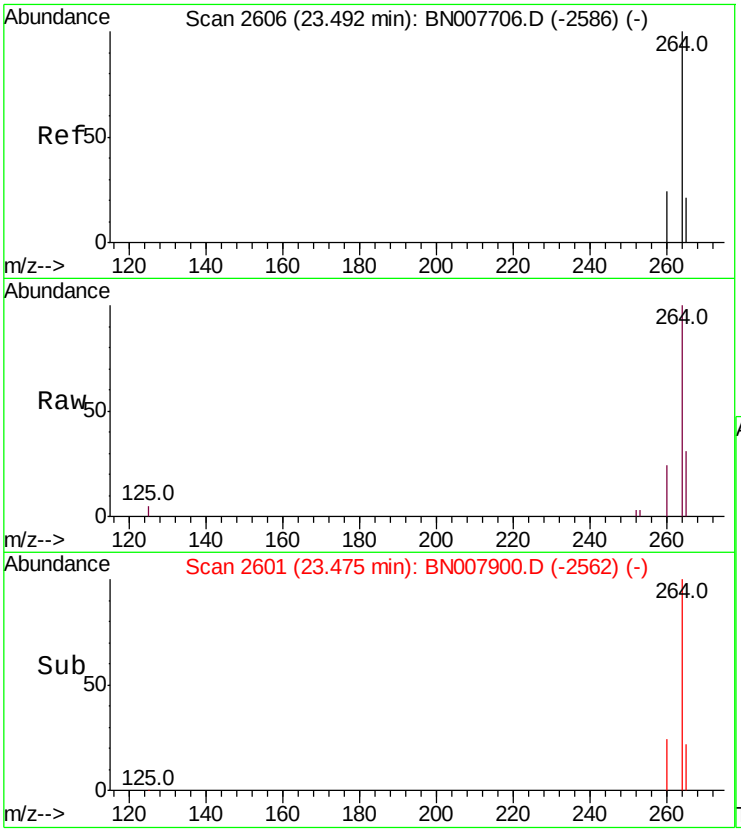




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.555 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:276 Resp: 89960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 17.1 | 25.7 |
| 277 | 24.8 | 20.0 | 30.0 |

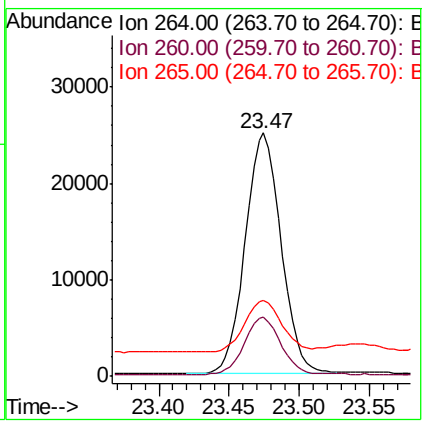





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:264 Resp: 44477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 19.3 | 28.9 |
| 265 | 31.3 | 26.9 | 40.3 |

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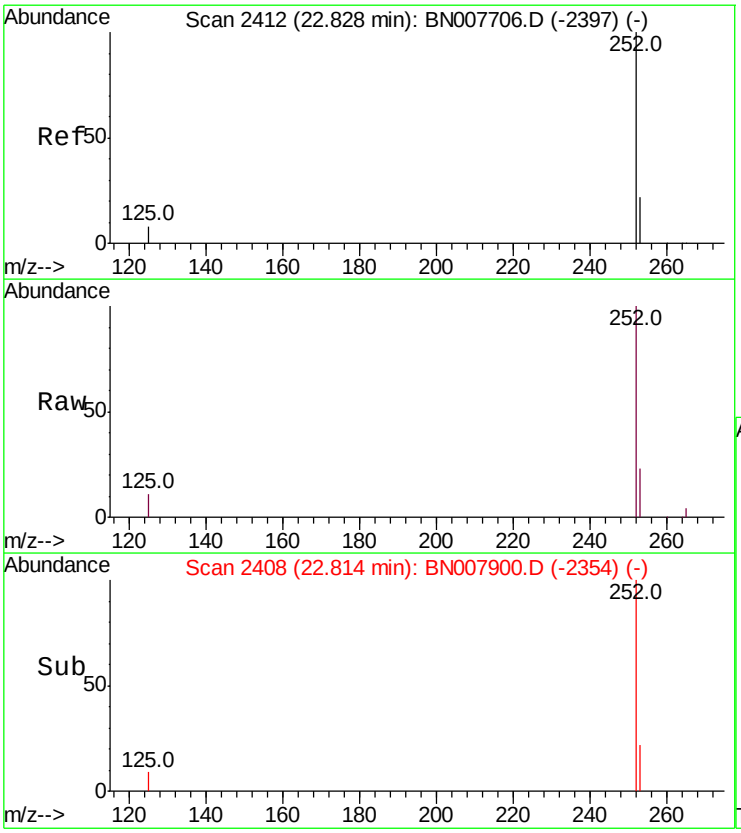
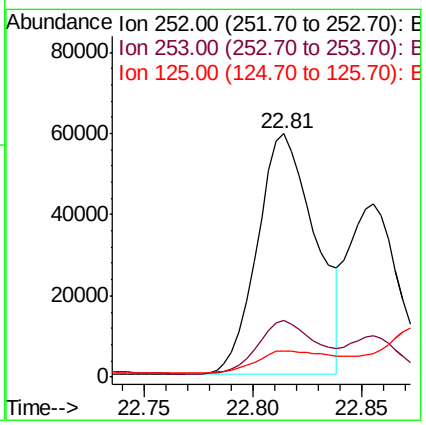
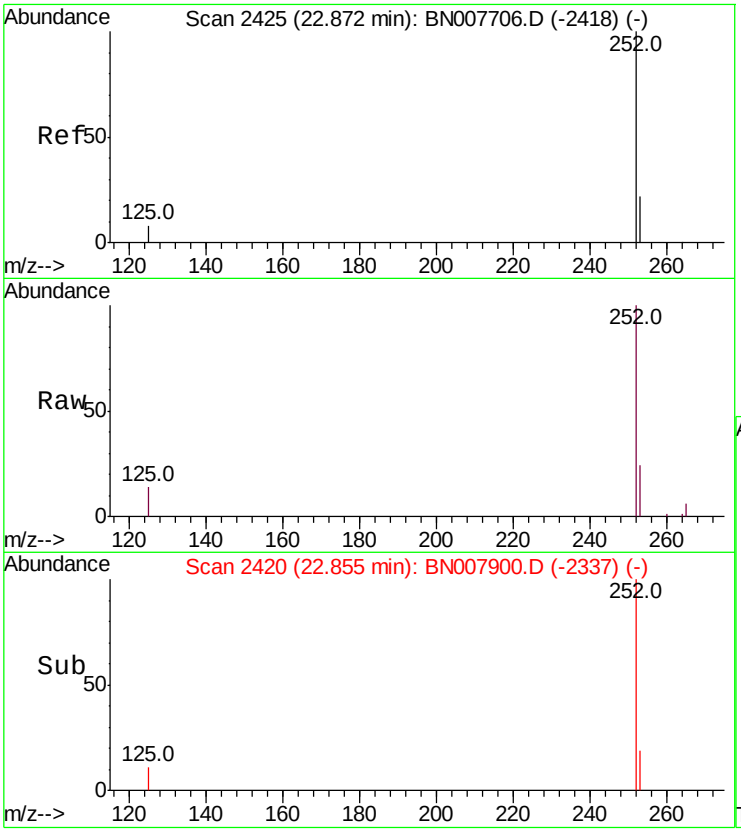



#35
Benzo(b)fluoranthene
Concen: 0.712 ng
RT: 22.81 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:252 Resp: 109888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.3 | 27.5 |
| 125 | 10.9 | 8.2 | 12.4 |






#36
Benzo(k)fluoranthene
Concen: 0.447 ng m
RT: 22.86 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:252 Resp: 68268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.5 | 27.7 |
| 125 | 13.9 | 8.4 | 12.6# |

**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

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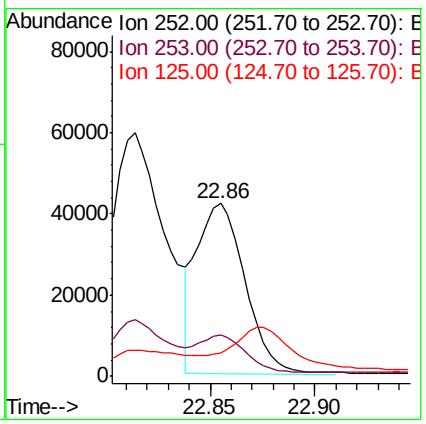
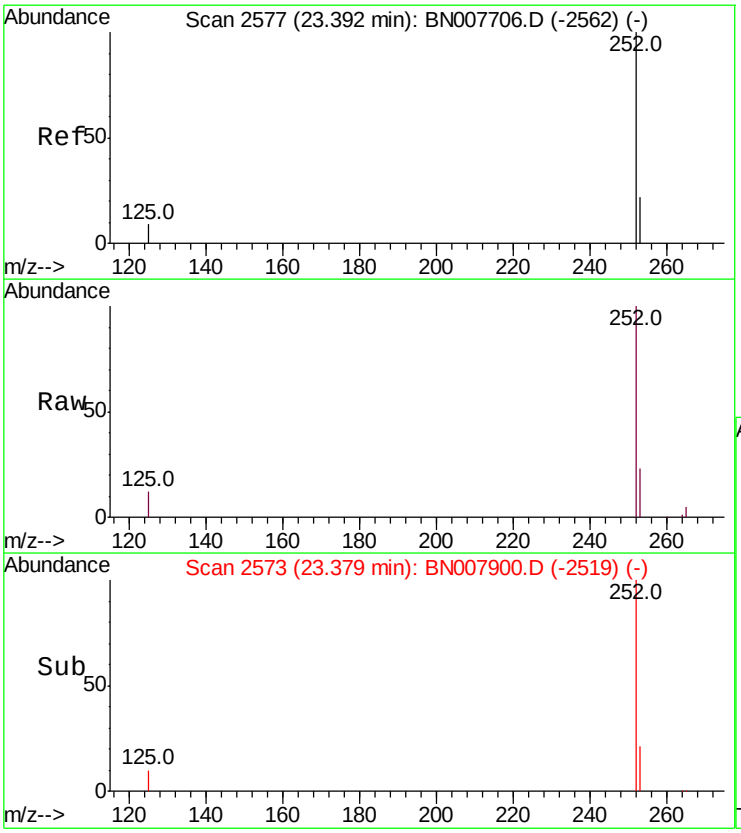
10/2/2019 8:21:32 AM

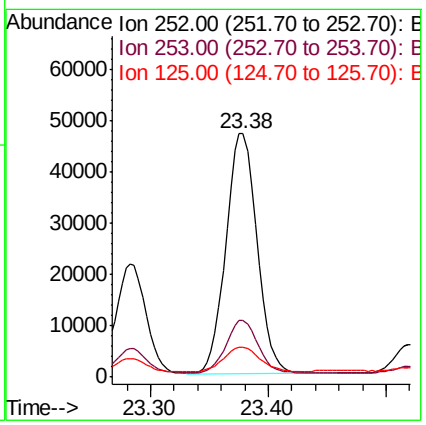


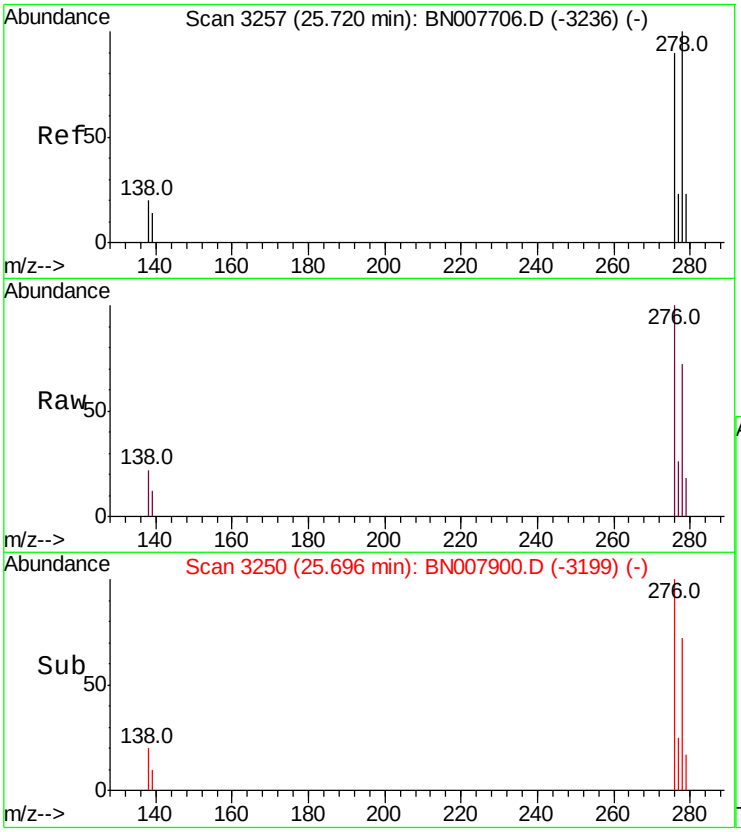




#37
Benzo(a)pyrene
Concen: 0.592 ng
RT: 23.38 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:252 Resp: 85895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.6 | 27.8 |
| 125 | 12.5 | 9.4 | 14.0 |

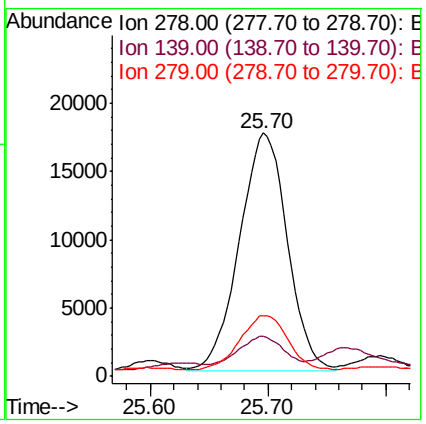





#38
Dibenzo(a,h)anthracene
Concen: 0.332 ng
RT: 25.70 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

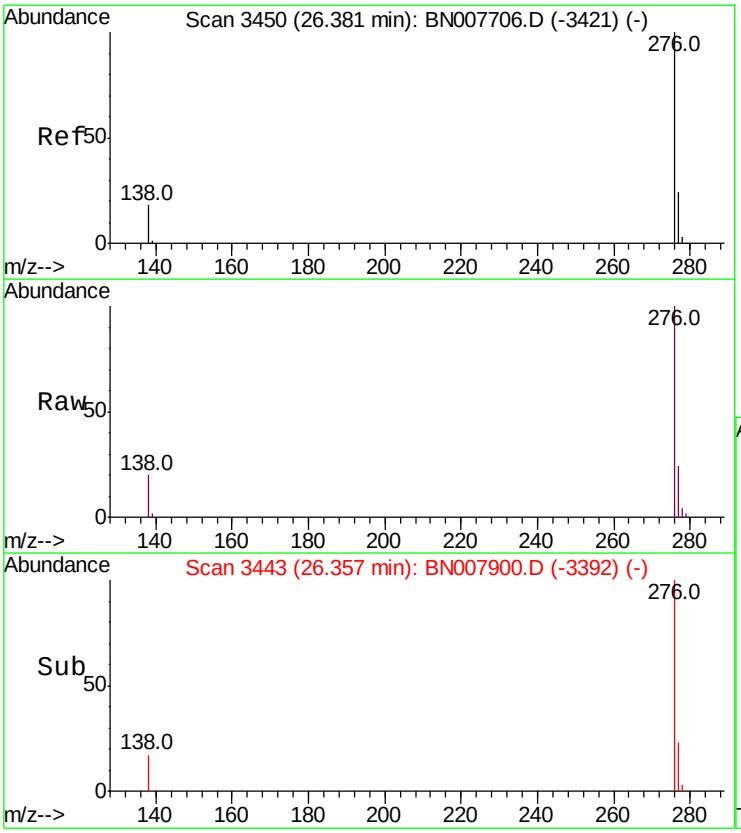
Tgt Ion:278 Resp: 49231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.3 | 11.8 | 17.6 |
| 279 | 25.1 | 19.4 | 29.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
PST-024-SW138-092519MSD

**Manual Integrations APPROVED**
mohammad
10/2/2019 8:21:32 AM




#39
Benzo(g,h,i)perylene
Concen: 0.571 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN007900.D
Acq: 30 Sep 2019 17:06

Tgt Ion:276 Resp: 83836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 19.8 | 29.8 |
| 138 | 19.6 | 15.1 | 22.7 |