Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000311.D
Acq On : 18 Sep 2019 20:51
Operator : HP/JU
Sample : K4918-10DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-11DL

**Manual Integrations APPROVED**
Jagrut
9/19/2019 11:07:19 AM

Quant Time: Oct 05 02:16:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 16 18:59:05 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 300348 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 1080402 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 578328 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 1029214 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 797398 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.49 | 264 | 878798 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 706014 | 40.58 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 901598 | 42.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 438397 | 26.18 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 257292 | 44.85 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 1115927 | 34.73 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.93 | 244 | 1179652 | 31.04 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 50) Dimethylphthalate | 9.55 | 163 | 122307 | 3.104 | ng | | 99 |
| 52) Acenaphthene | 9.87 | 154 | 109532 | 3.441 | ng | | 99 |
| 58) Fluorene | 10.39 | 166 | 97035 | 2.792 | ng | | 98 |
| 71) Phenanthrene | 11.36 | 178 | 2825169 | 54.776 | ng | | 99 |
| 72) Anthracene | 11.40 | 178 | 472958 | 8.909 | ng | | 98 |
| 73) Carbazole | 11.56 | 167 | 322739 | 6.750 | ng | | 98 |
| 75) Fluoranthene | 12.56 | 202 | 3818609 | 68.950 | ng | | 95 |
| 78) Pyrene | 12.79 | 202 | 3319148 | 55.636 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 1603034 | 31.825 | ng | | 98 |
| 83) Chrysene | 14.03 | 228 | 1577116 | 31.889 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 806921 | 13.386 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 2181121m | 41.604 | ng | | |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 442967m | 9.686 | ng | | |
| 90) Benzo(a)pyrene | 15.42 | 252 | 1276326 | 26.756 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.98 | 278 | 202471 | 4.552 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 714109 | 15.621 | ng | | 95 |

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

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**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

**Manual Integrations APPROVED**
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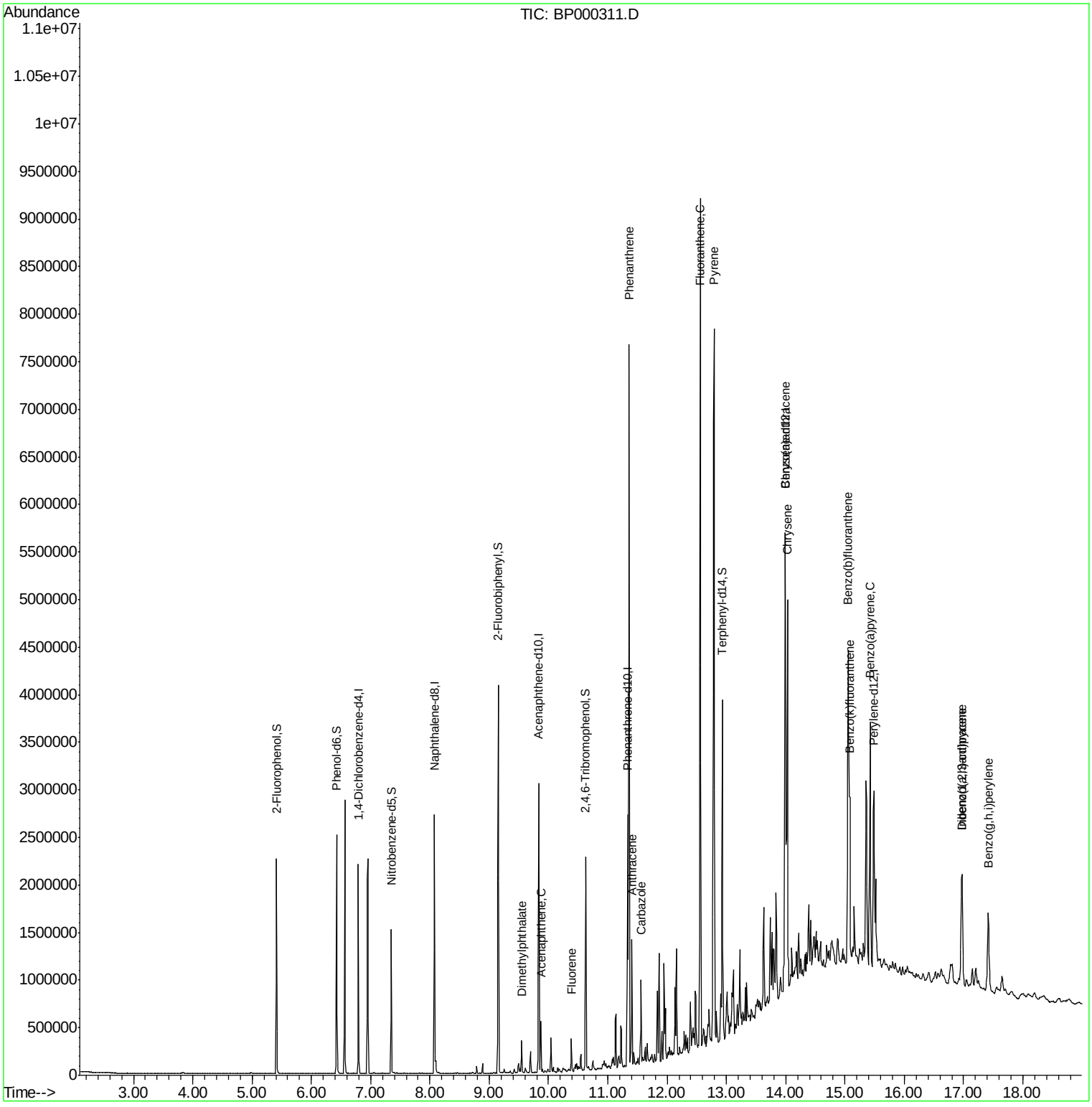
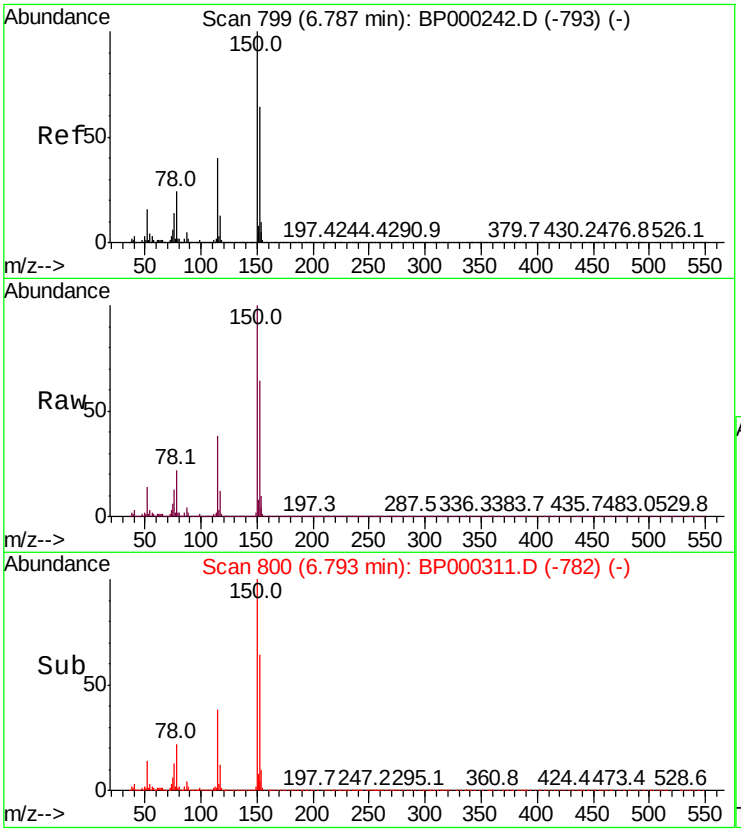
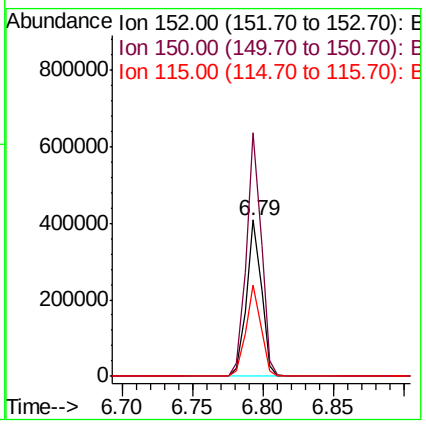





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:152 Resp: 300348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 125.2 | 187.8 |
| 115 | 58.8 | 49.7 | 74.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

**Manual Integrations APPROVED**
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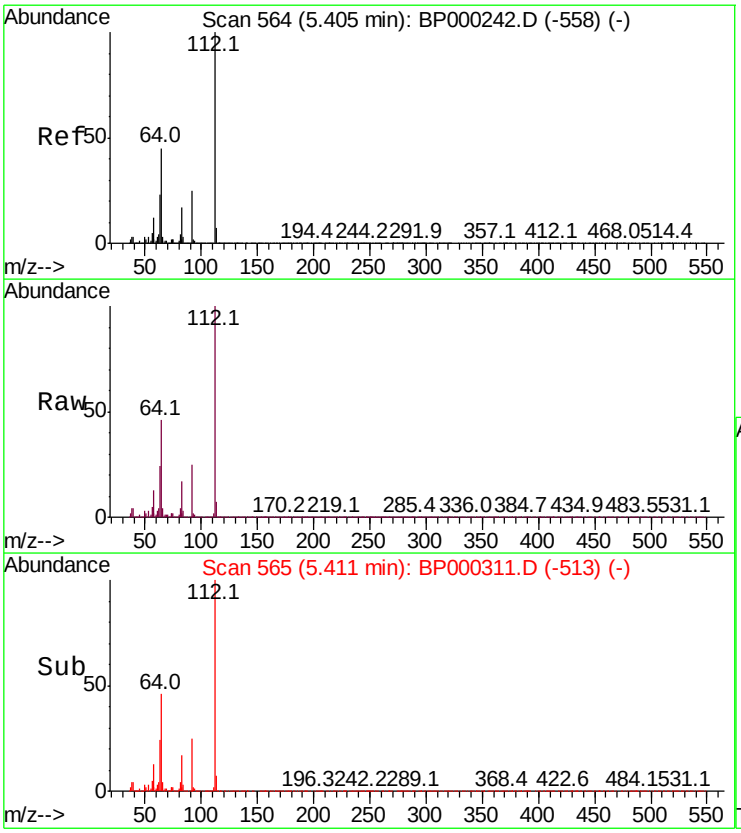
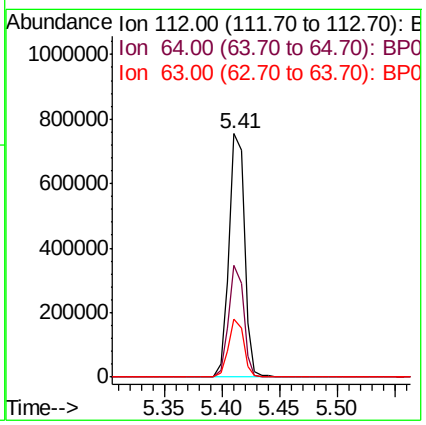
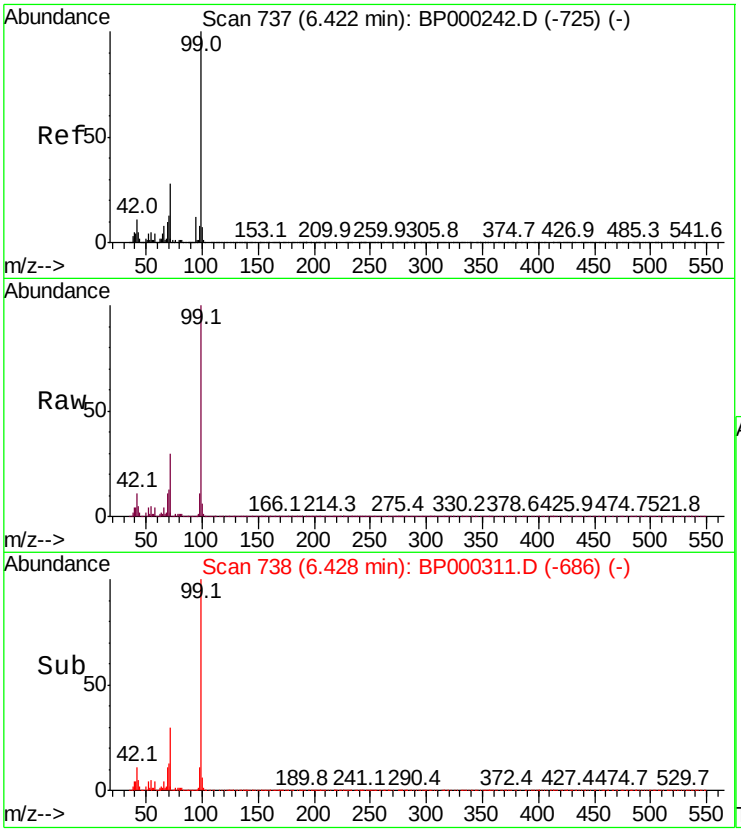



#5
2-Fluorophenol
Concen: 40.581 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:112 Resp: 706014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 46.1 | 36.2 | 54.4 |
| 63 | 23.8 | 18.3 | 27.5 |

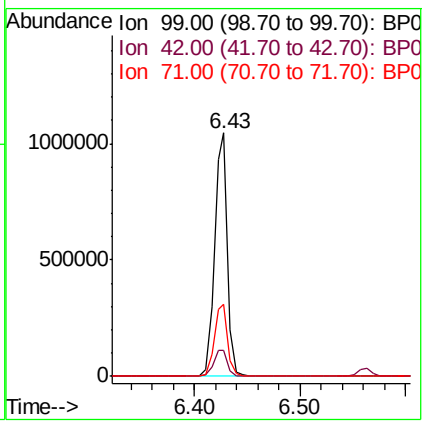





#7
Phenol-d6
Concen: 42.277 ng
RT: 6.43 min Scan# 738
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 99 Resp: 901598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 10.6 | 8.5 | 12.7 |
| 71 | 29.7 | 22.6 | 34.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

**Manual Integrations APPROVED**
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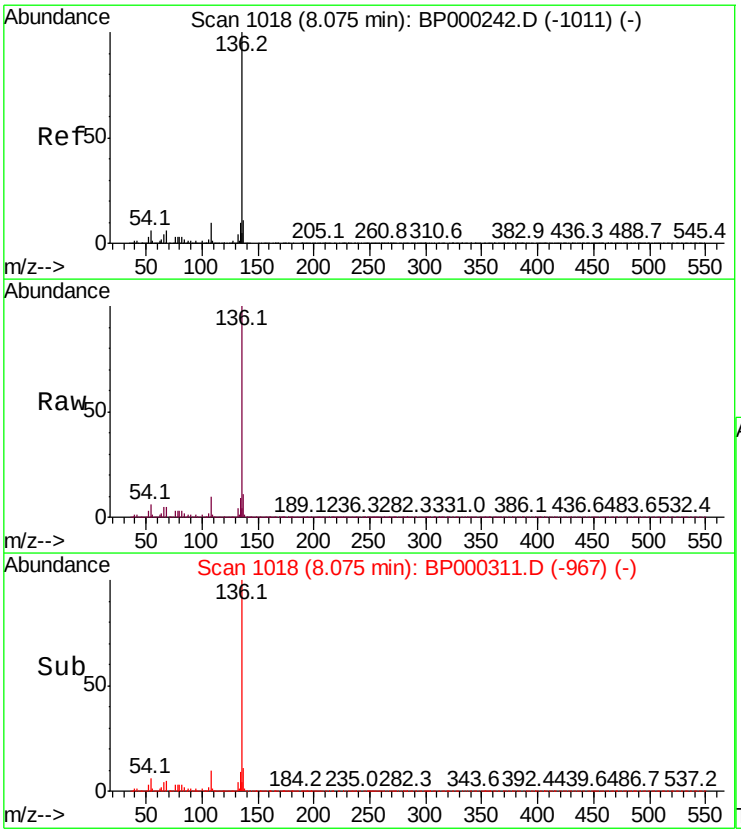
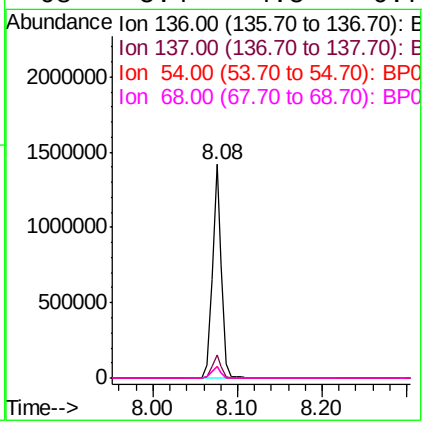
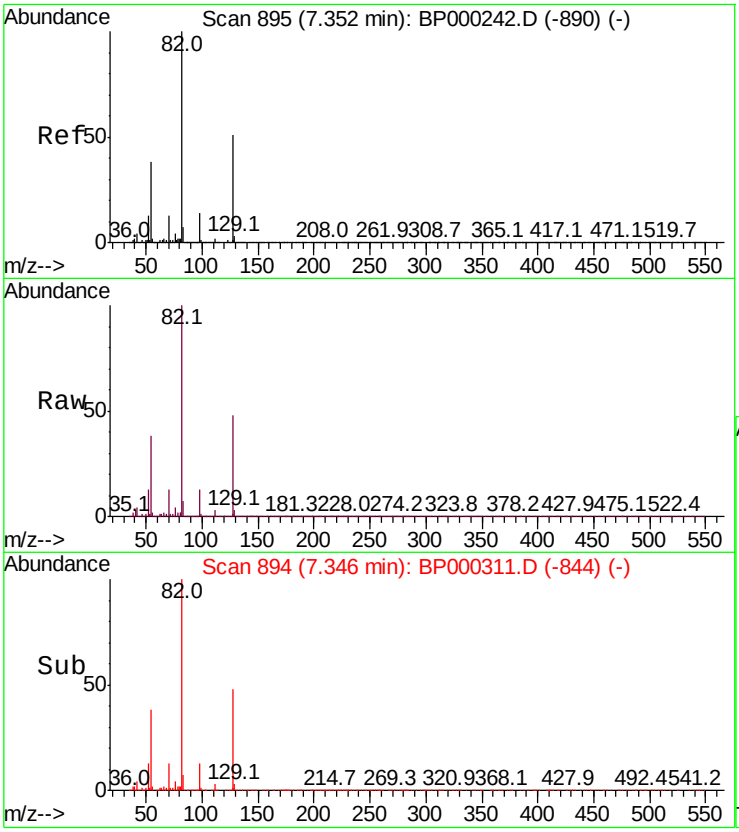



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:136 Resp: 1080402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 5.5 | 4.5 | 6.7 |
| 68 | 5.4 | 4.5 | 6.7 |

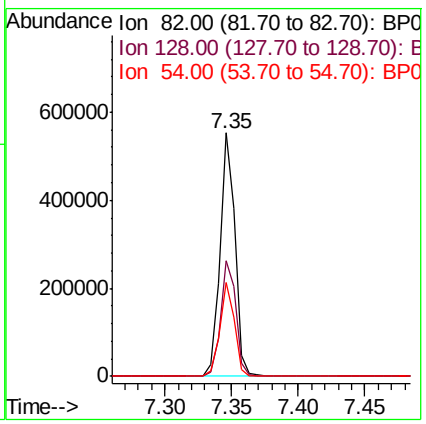





#23
Nitrobenzene-d5
Concen: 26.180 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 82 Resp: 438397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.7 | 40.7 | 61.1 |
| 54 | 38.4 | 30.1 | 45.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

**Manual Integrations APPROVED**
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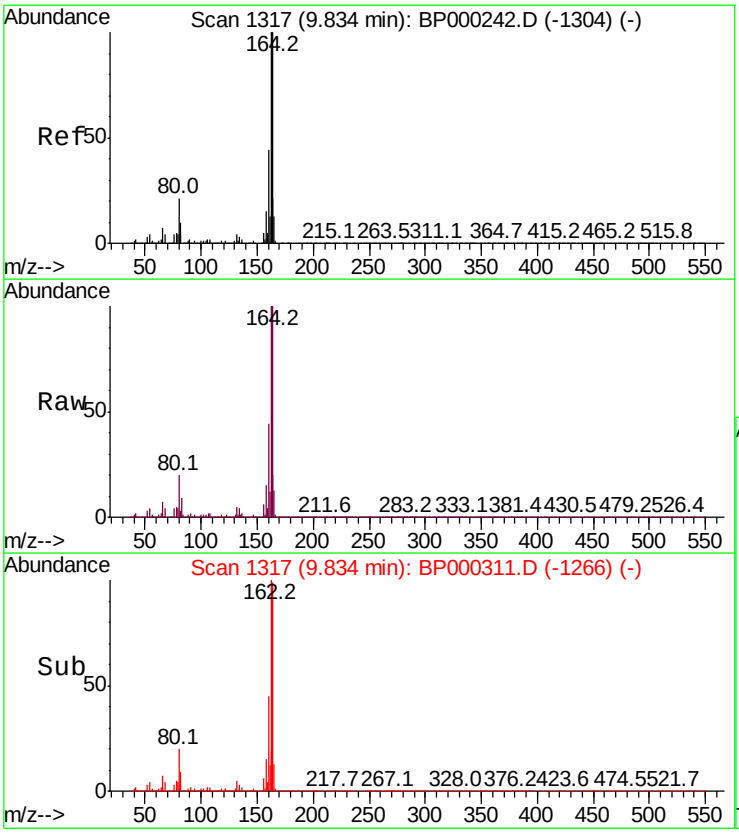
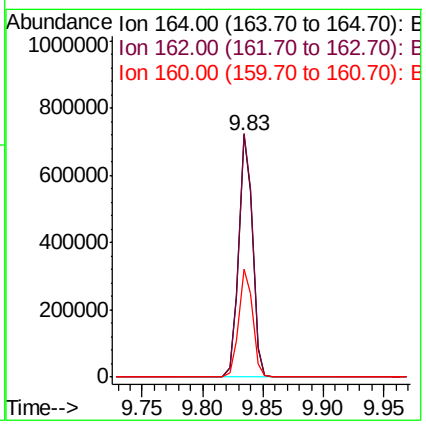
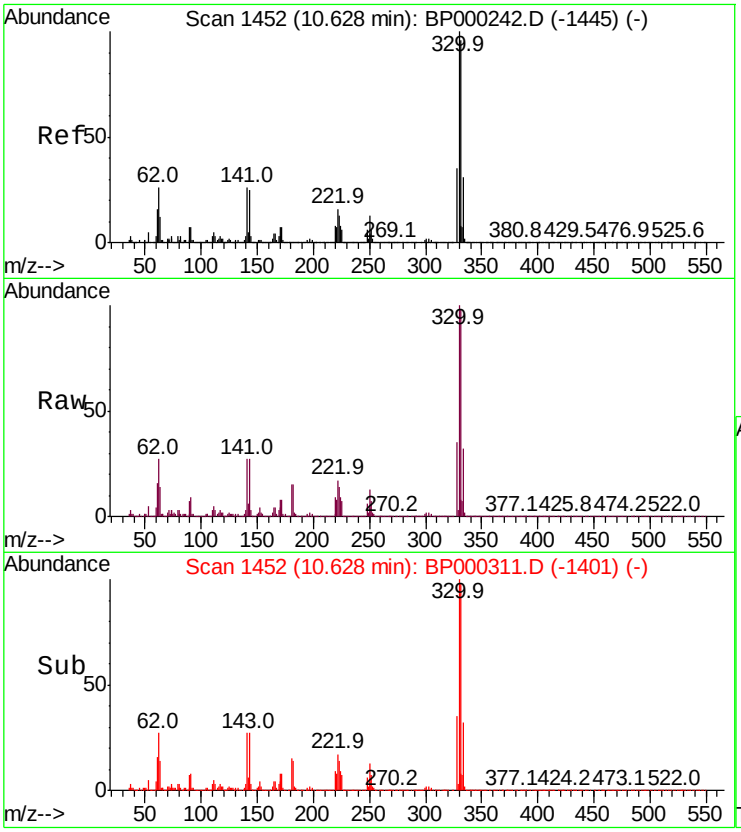



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:164 Resp: 578328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.5 | 79.9 | 119.9 |
| 160 | 44.7 | 35.6 | 53.4 |

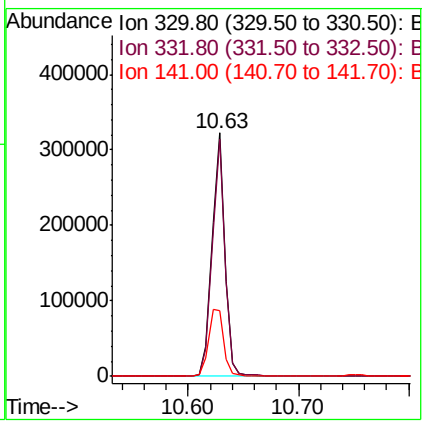





#42
2,4,6-Tribromophenol
Concen: 44.854 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:330 Resp: 257292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 76.6 | 115.0 |
| 141 | 32.2 | 26.5 | 39.7 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

**Manual Integrations APPROVED**
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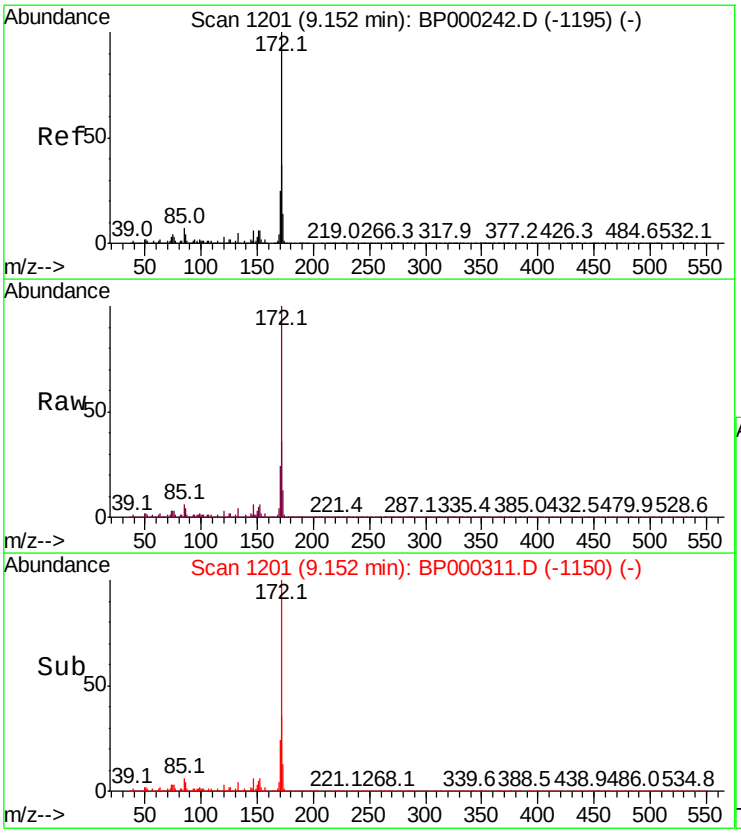
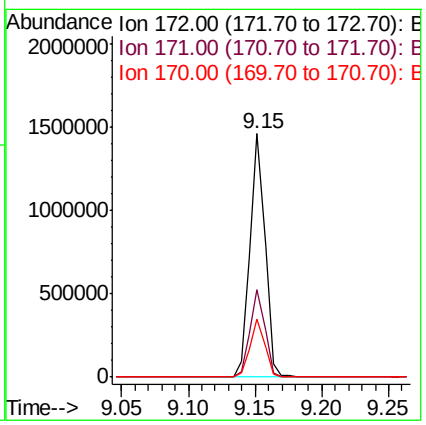
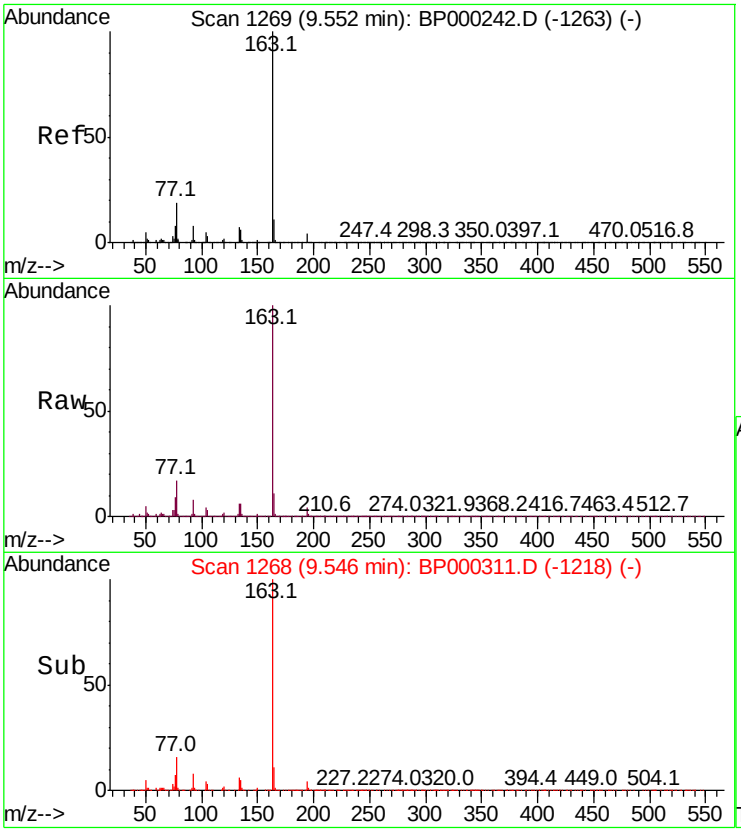



#45
2-Fluorobiphenyl
Concen: 34.729 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:172 Resp: 1115927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.8 | 44.6 |
| 170 | 23.8 | 19.8 | 29.6 |

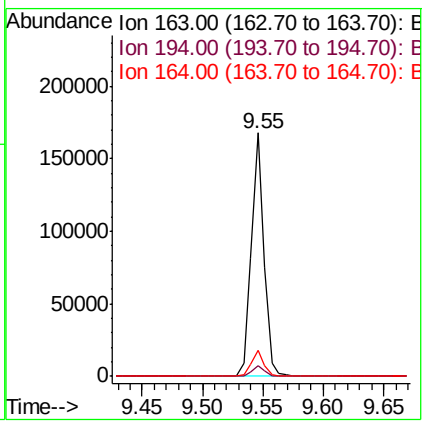





#50
Dimethylphthalate
Concen: 3.104 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:163 Resp: 122307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.8 | 8.5 | 12.7 |

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**ClientSampleId :**
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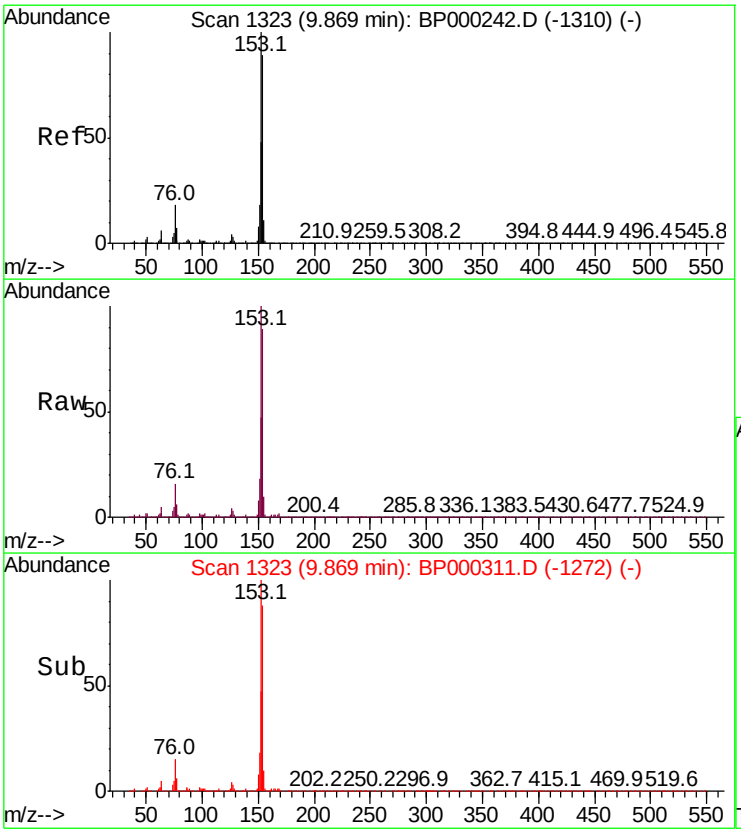
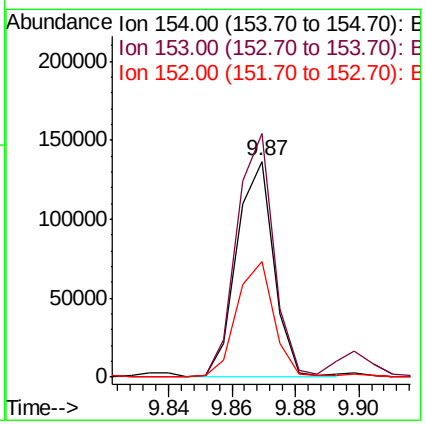
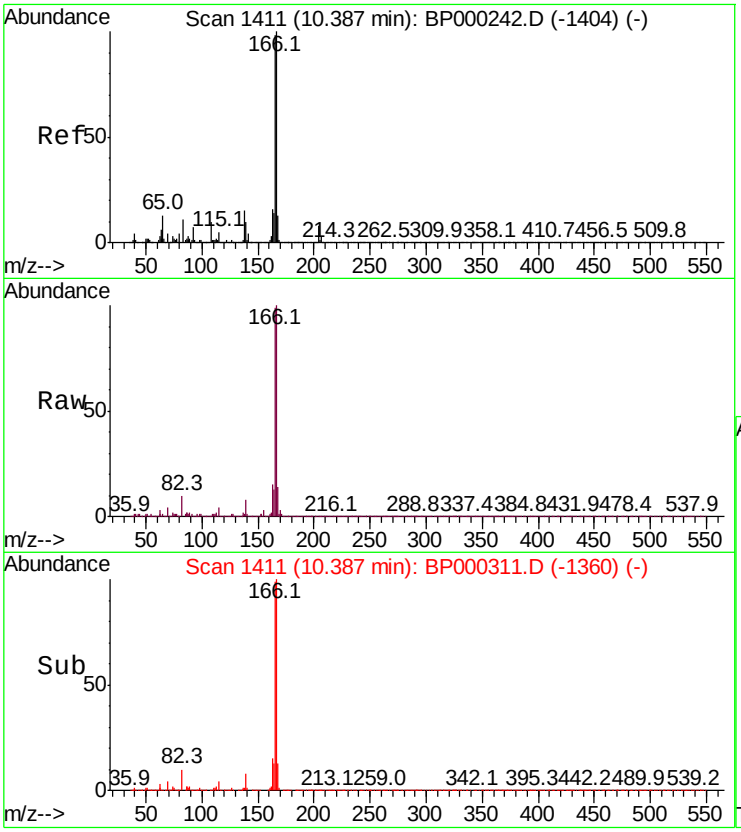



#52
Acenaphthene
Concen: 3.441 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:154 Resp: 109532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.9 | 89.8 | 134.6 |
| 152 | 53.4 | 43.4 | 65.0 |

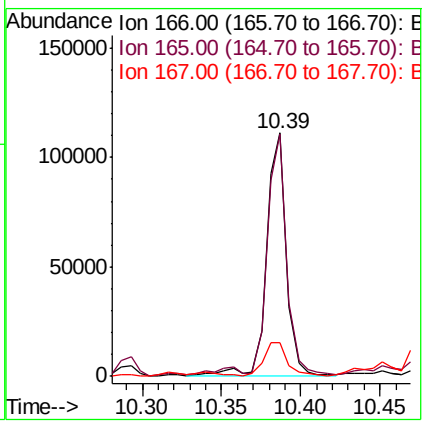





#58
Fluorene
Concen: 2.792 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:166 Resp: 97035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.5 | 78.2 | 117.2 |
| 167 | 13.9 | 10.7 | 16.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

**Manual Integrations APPROVED**
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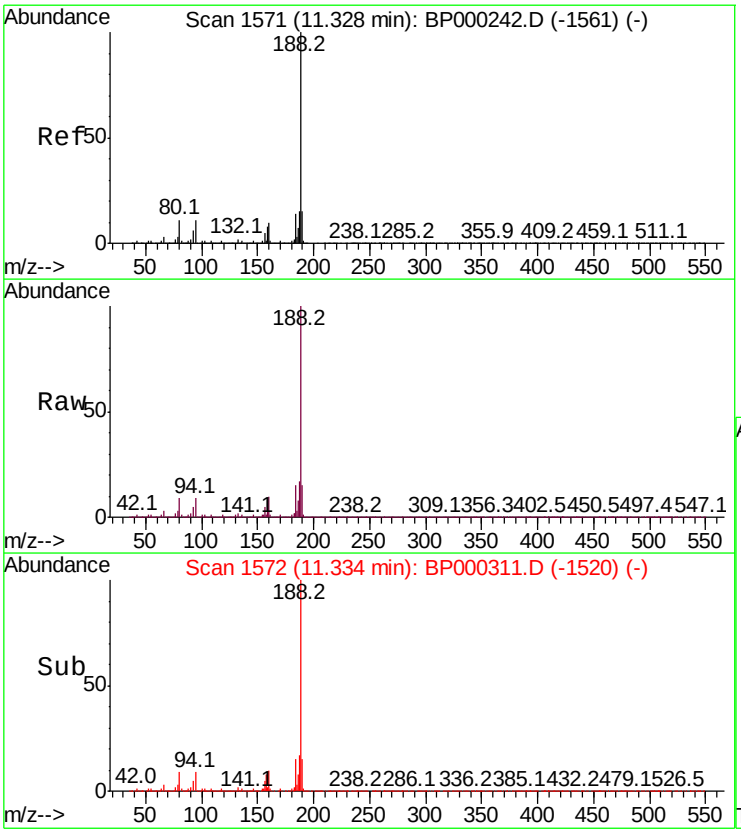
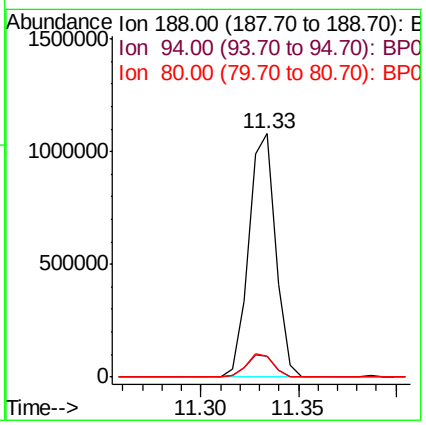
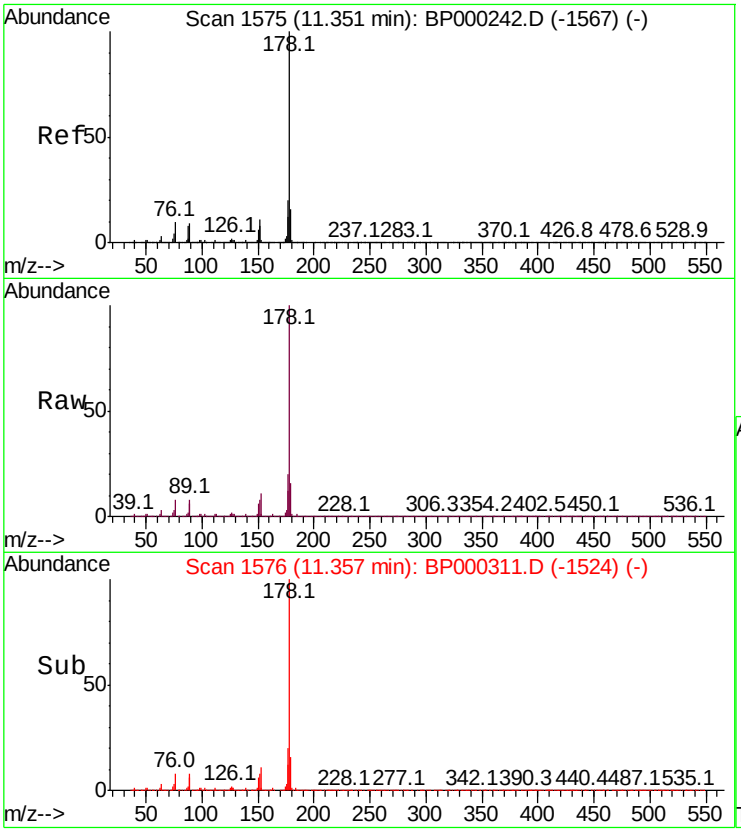



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:188 Resp: 1029214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 8.5 | 12.7 |
| 80 | 8.8 | 8.6 | 13.0 |

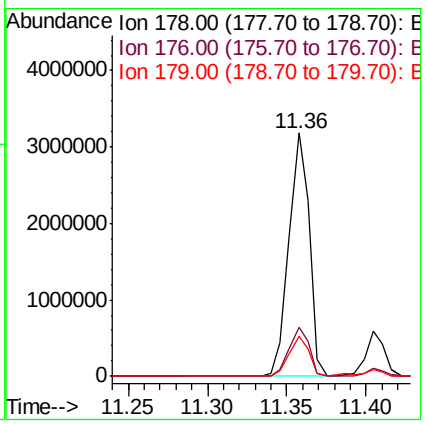





#71
Phenanthrene
Concen: 54.776 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:178 Resp: 2825169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 15.8 | 23.8 |
| 179 | 16.3 | 12.7 | 19.1 |




**Instrument :**
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**ClientSampleId :**
SB-11DL

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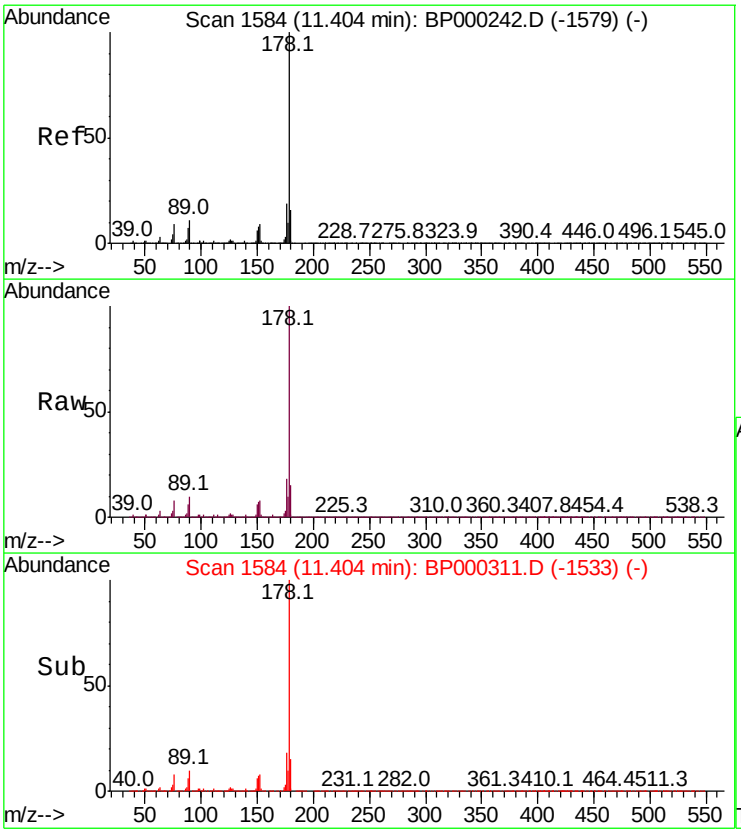
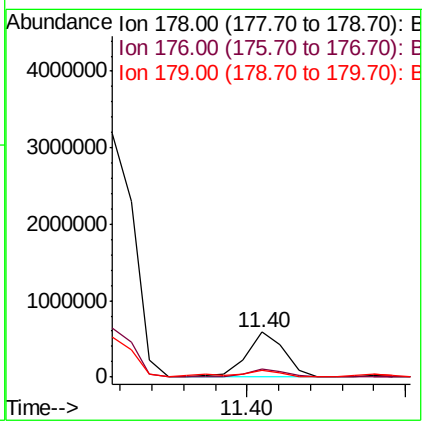
9/19/2019 11:07:19 AM

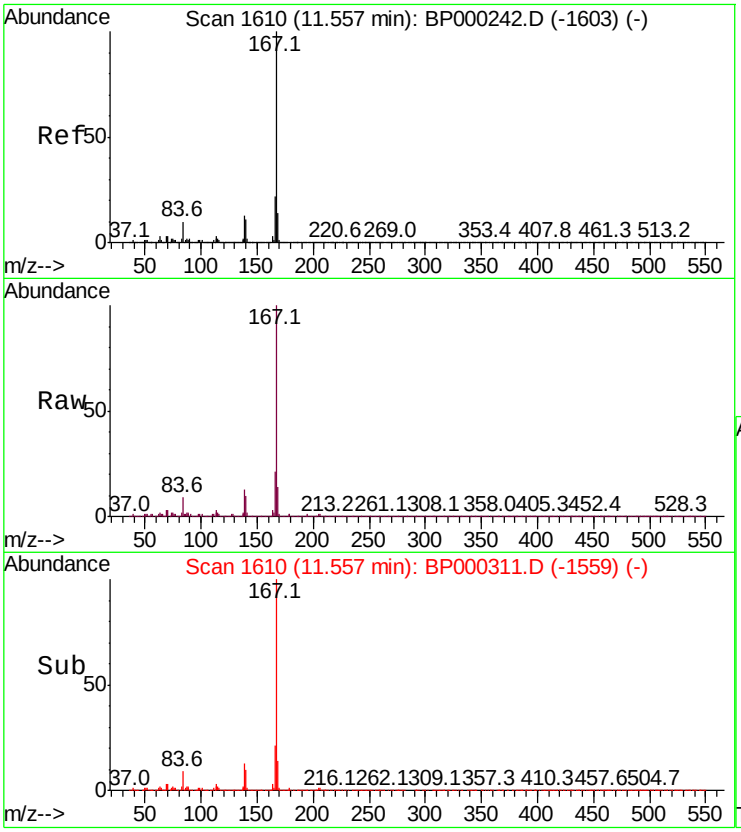



#72
Anthracene
Concen: 8.909 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:178 Resp: 472958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 15.4 | 23.0 |
| 179 | 15.4 | 12.7 | 19.1 |

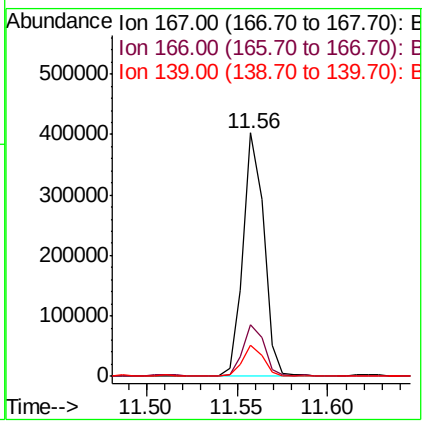





#73
Carbazole
Concen: 6.750 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

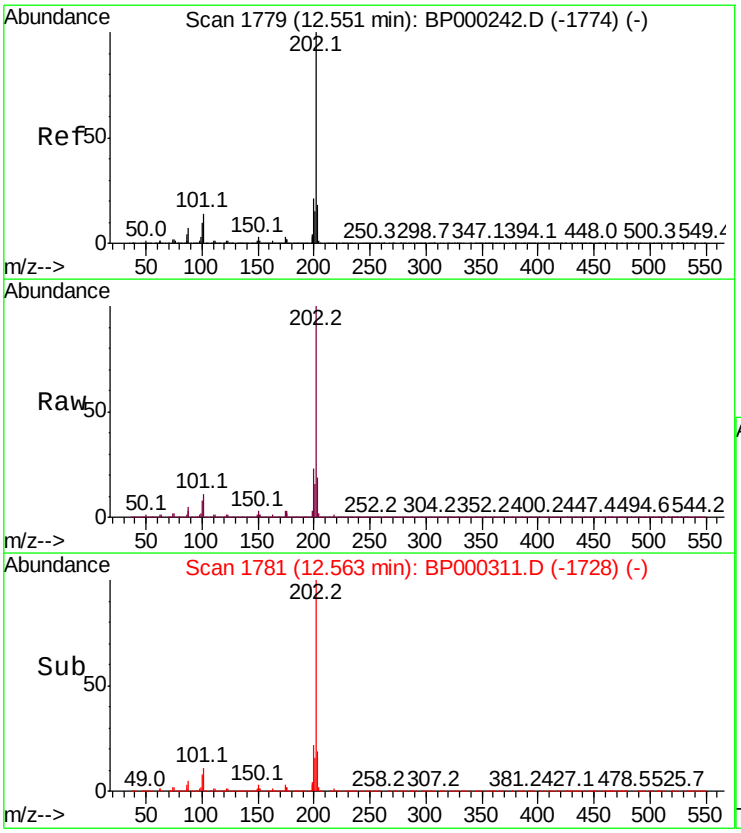
Tgt Ion:167 Resp: 322739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.8 | 26.8 |
| 139 | 12.7 | 10.8 | 16.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

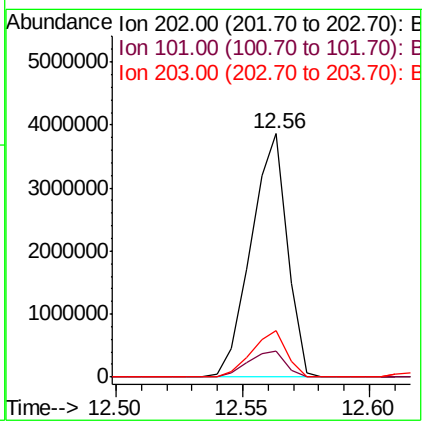
**Manual Integrations APPROVED**
Jagrut
9/19/2019 11:07:19 AM

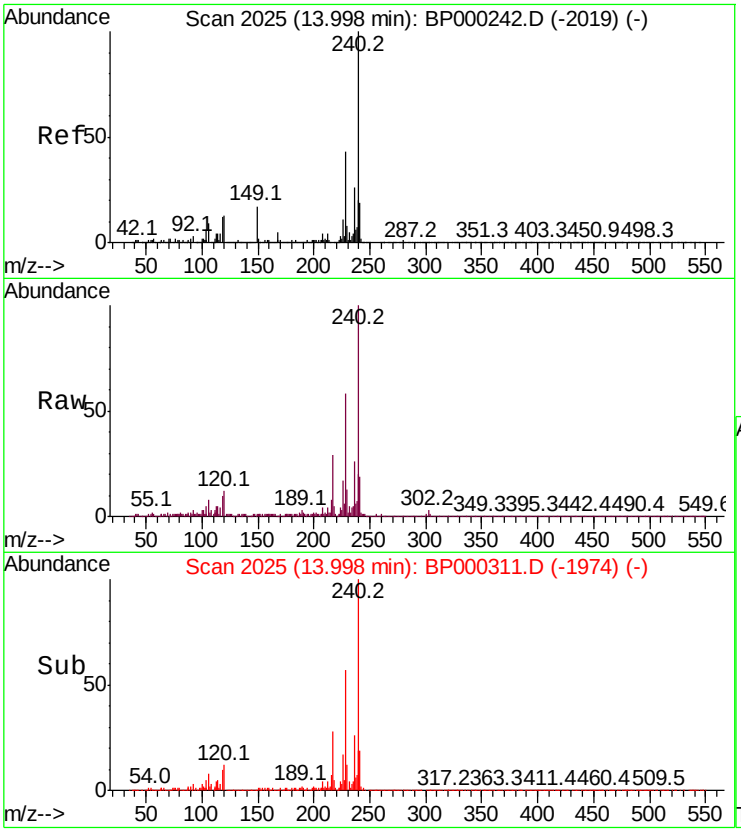



#75
Fluoranthene
Concen: 68.950 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:202 Resp: 3818609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 0.0 | 33.9 |
| 203 | 19.0 | 0.0 | 38.0 |

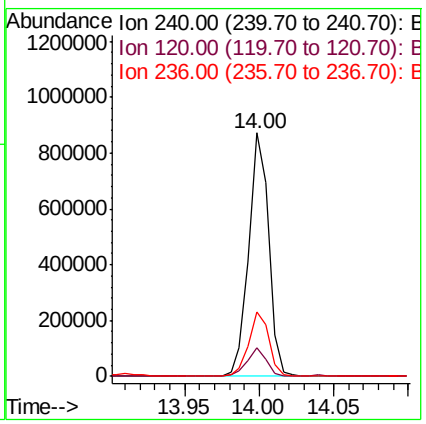





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:240 Resp: 797398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 10.4 | 15.6 |
| 236 | 26.5 | 21.0 | 31.6 |




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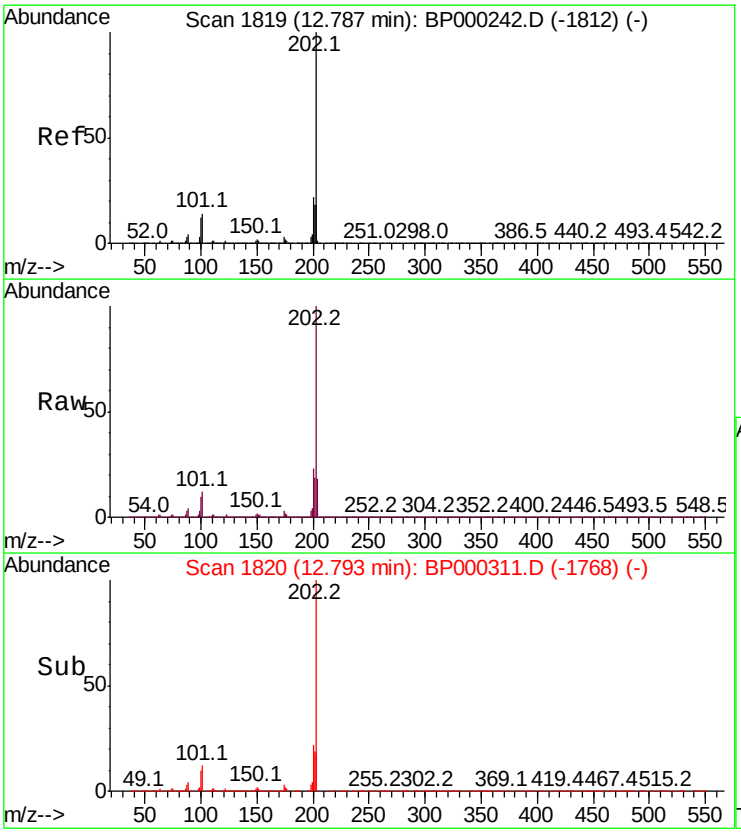
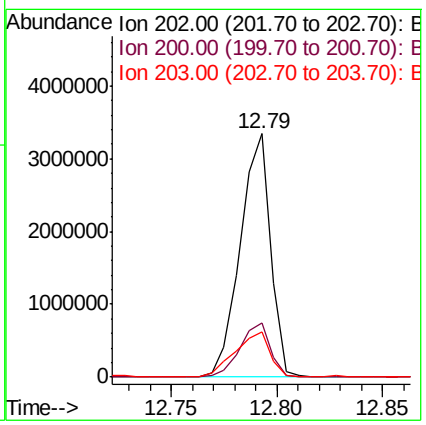
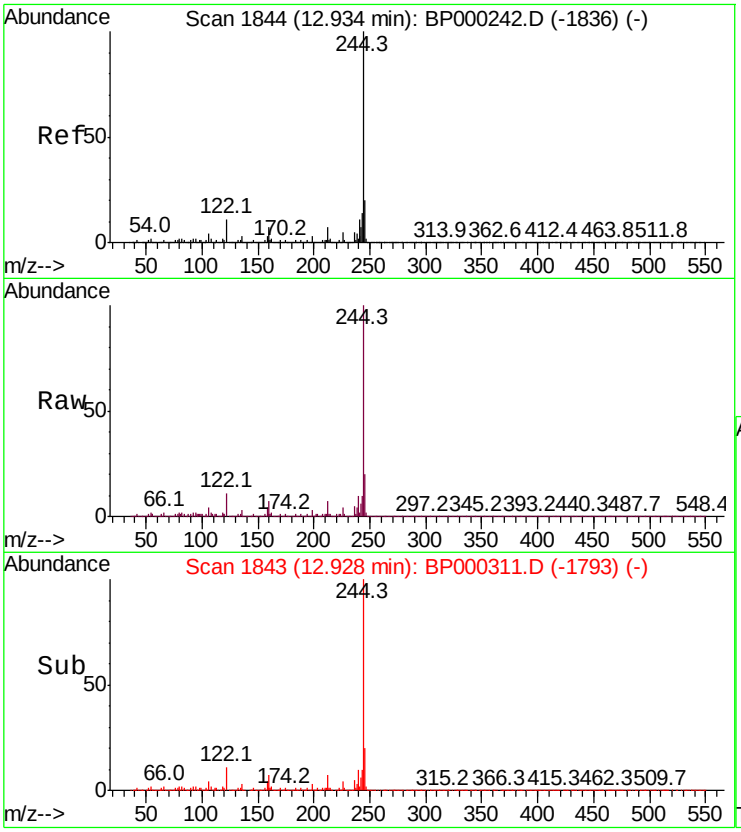



#78
Pyrene
Concen: 55.636 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:202 Resp: 3319148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.5 | 17.5 | 26.3 |
| 203 | 18.5 | 14.3 | 21.5 |

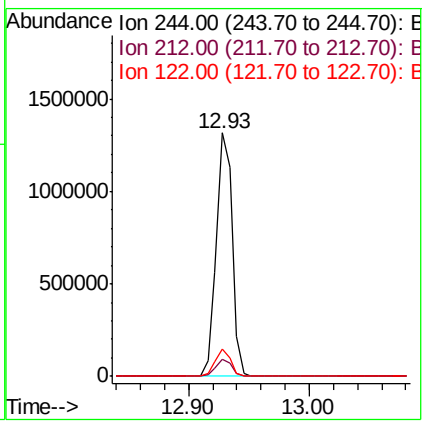





#79
Terphenyl-d14
Concen: 31.035 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:244 Resp: 1179652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.9 | 8.9 |
| 122 | 11.5 | 9.0 | 13.4 |




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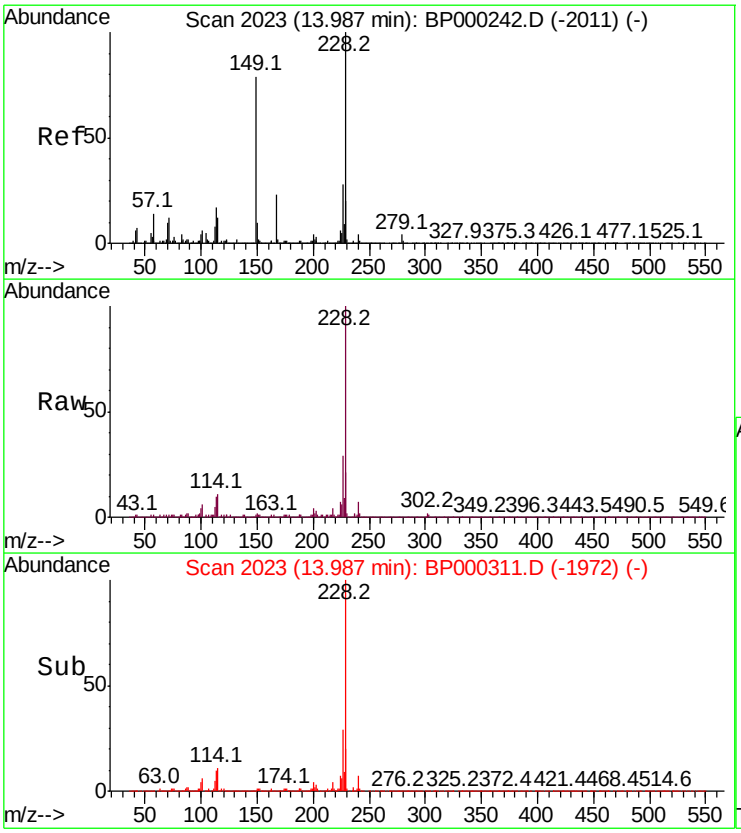
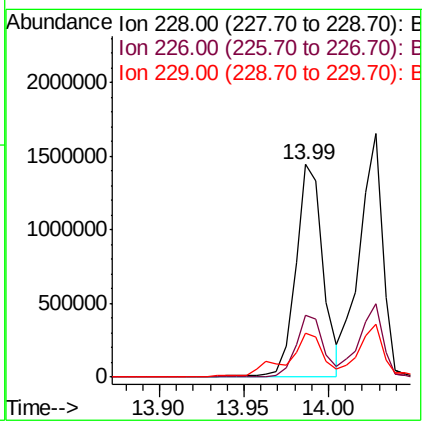
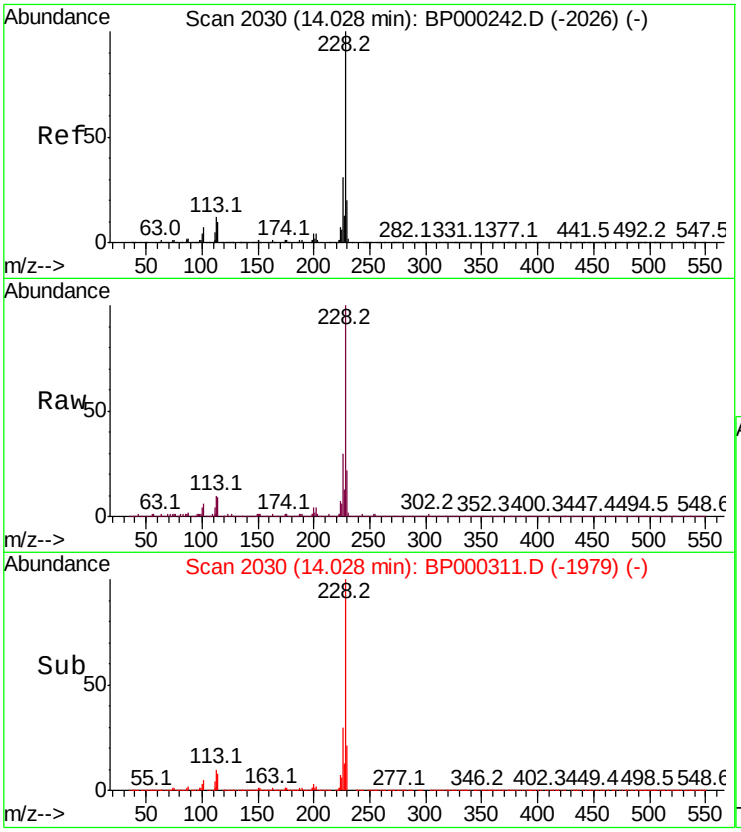



#81
Benzo(a)anthracene
Concen: 31.825 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:228 Resp: 1603034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 22.2 | 33.4 |
| 229 | 20.6 | 16.0 | 24.0 |

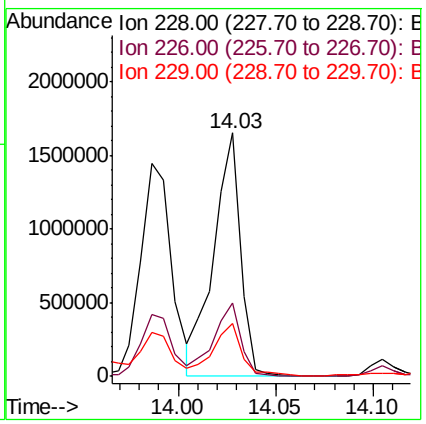





#83
Chrysene
Concen: 31.889 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:228 Resp: 1577116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.9 | 37.3 |
| 229 | 21.6 | 16.2 | 24.2 |

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**ClientSampleId :**
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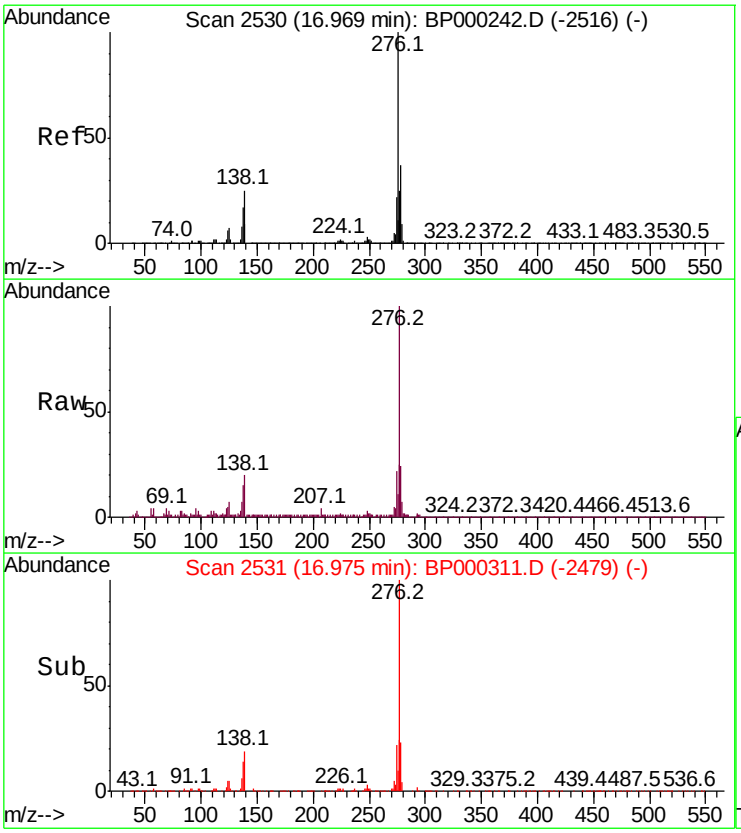
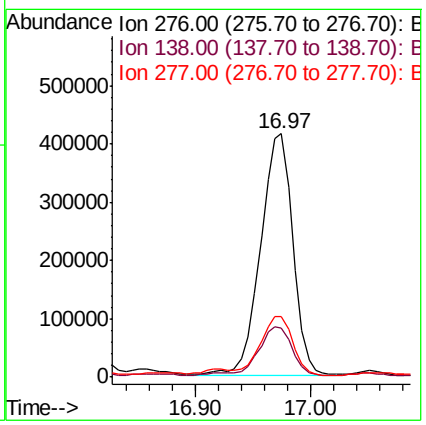
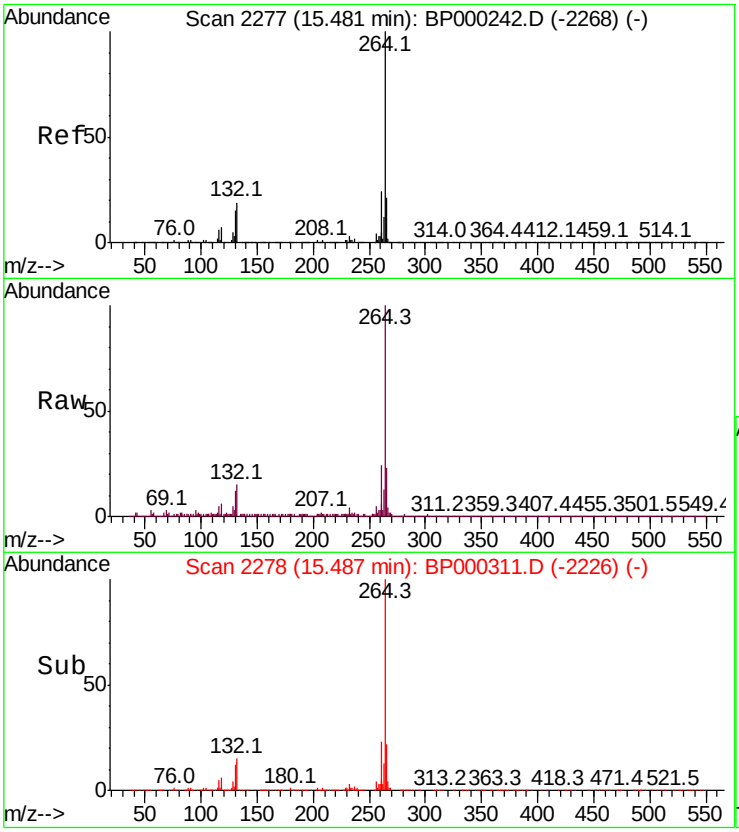



#86
Indeno(1,2,3-cd)pyrene
Concen: 13.386 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:276 Resp: 806921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.3 | 22.6 | 33.8# |
| 277 | 24.5 | 20.4 | 30.6 |

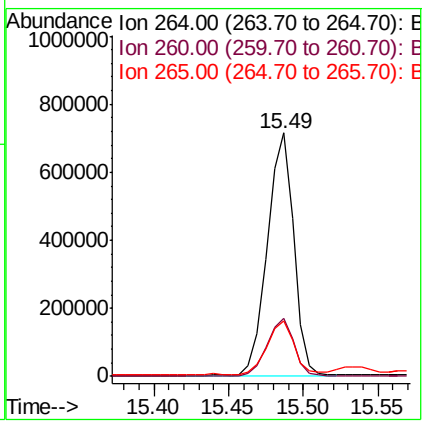





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:264 Resp: 878798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.9 | 28.3 |
| 265 | 22.6 | 17.2 | 25.8 |




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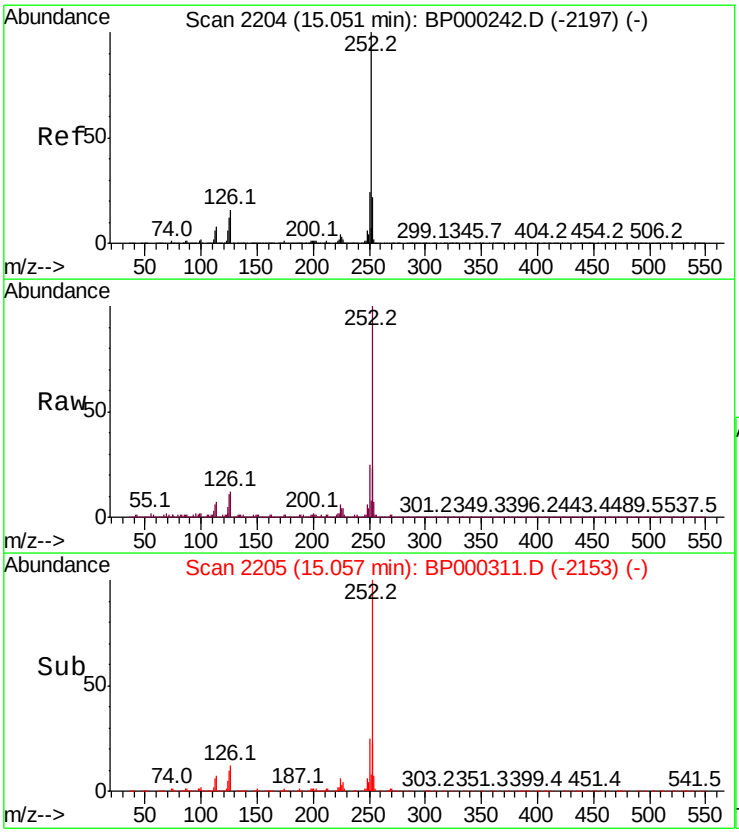
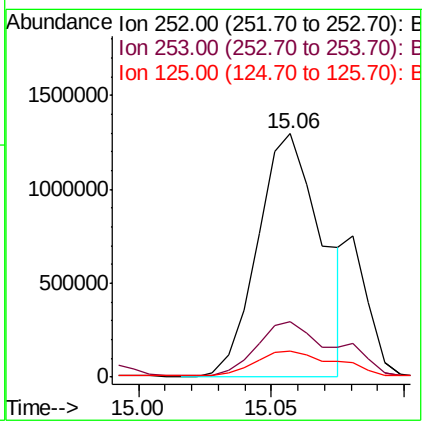
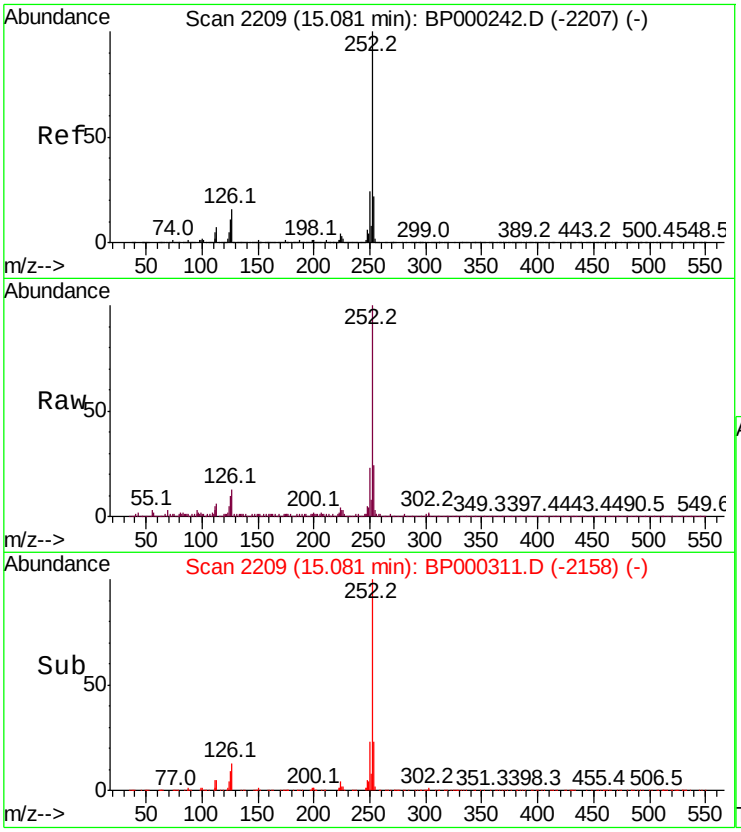



#88
Benzo(b)fluoranthene
Concen: 41.604 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:252 Resp: 2181121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.6 |
| 125 | 10.7 | 9.5 | 14.3 |

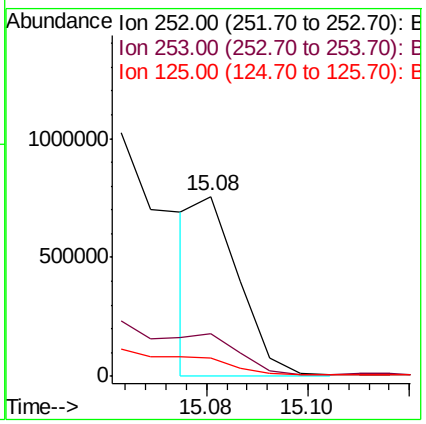





#89
Benzo(k)fluoranthene
Concen: 9.686 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:252 Resp: 442967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.8 | 26.8 |
| 125 | 10.0 | 9.6 | 14.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

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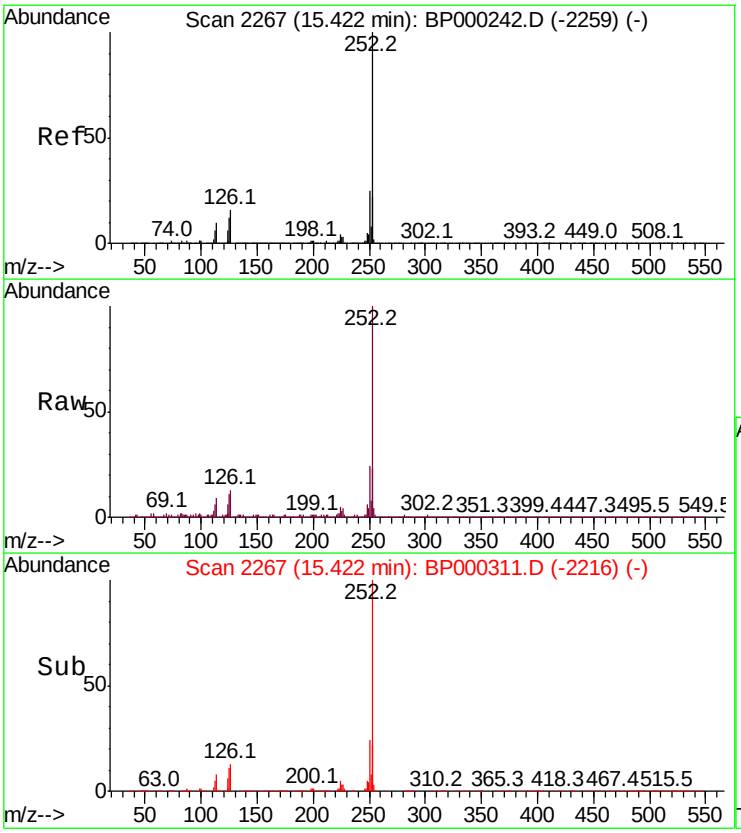
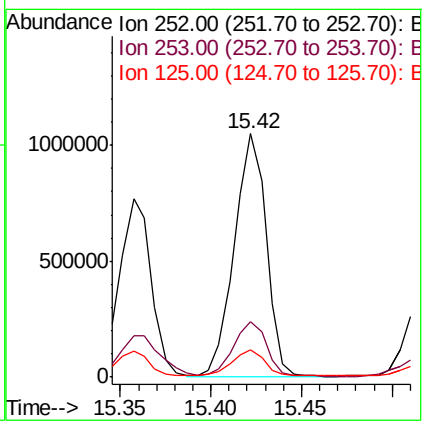
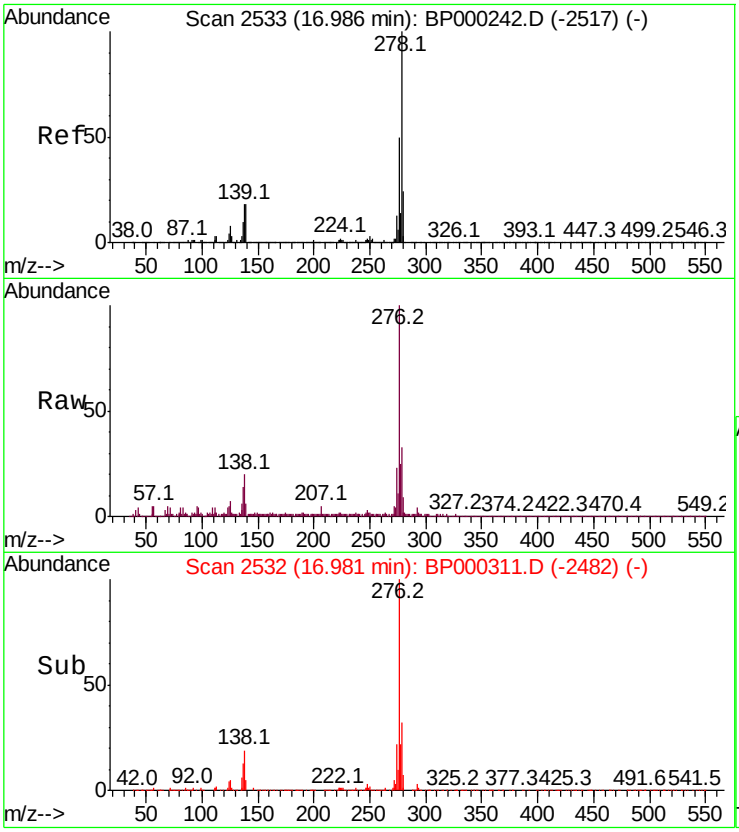



#90
Benzo(a)pyrene
Concen: 26.756 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:252 Resp: 1276326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.7 | 26.5 |
| 125 | 11.2 | 10.0 | 15.0 |

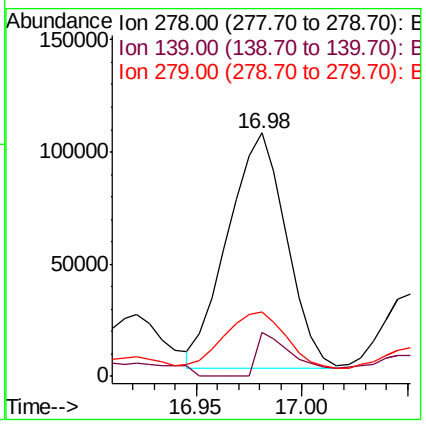





#91
Dibenzo(a,h)anthracene
Concen: 4.552 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:278 Resp: 202471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.0 | 14.5 | 21.7 |
| 279 | 26.7 | 19.0 | 28.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SB-11DL

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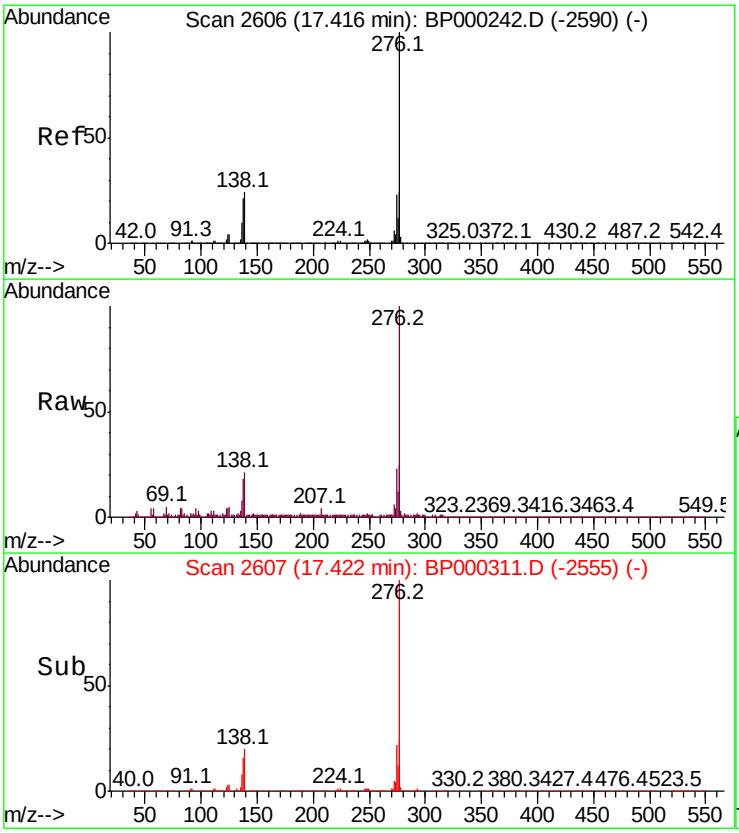


#92
Benzo(g,h,i)perylene
Concen: 15.621 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BP000311.D
Acq: 18 Sep 2019 20:51

Tgt Ion:276 Resp: 714109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.9 | 19.1 | 28.7 |
| 138 | 20.7 | 19.5 | 29.3 |