Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
Data File : BF112482.D
Acq On : 11 Feb 2019 15:55
Operator : JU/SJ
Sample : K1423-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HB-VJ210

**Manual Integrations APPROVED**
Sohil
2/12/2019 11:57:05 AM

Quant Time: Feb 11 17:43:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 146486 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.12 | 136 | 572761 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 265892 | 20.00 | ng | -0.02 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 445139 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 14.00 | 240 | 300076 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 304271 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 768580 | 111.45 | ng | -0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 968927 | 101.11 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 620325 | 62.40 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 276512 | 89.34 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 1236614 | 65.78 | ng | -0.02 |
| 79) Terphenyl-d14 | 12.94 | 244 | 949152 | 59.57 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 50) Dimethylphthalate | 9.58 | 163 | 103718 | 5.021 | ng | 99 |
| 70) Pentachlorophenol | 11.17 | 266 | 70958 | 32.466 | ng | 97 |
| 71) Phenanthrene | 11.38 | 178 | 211398 | 9.135 | ng | 96 |
| 75) Fluoranthene | 12.57 | 202 | 355409 | 14.319 | ng | 96 |
| 78) Pyrene | 12.80 | 202 | 297125 | 14.302 | ng | 96 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 120606 | 6.837 | ng | 98 |
| 83) Chrysene | 14.03 | 228 | 116802 | 6.937 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 60779 | 4.555 | ng | 95 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 166666m | 9.159 | ng | |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 57213m | 3.282 | ng | |
| 90) Benzo(a)pyrene | 15.42 | 252 | 114842 | 7.014 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.41 | 276 | 60598 | 4.867 | ng | 96 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
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**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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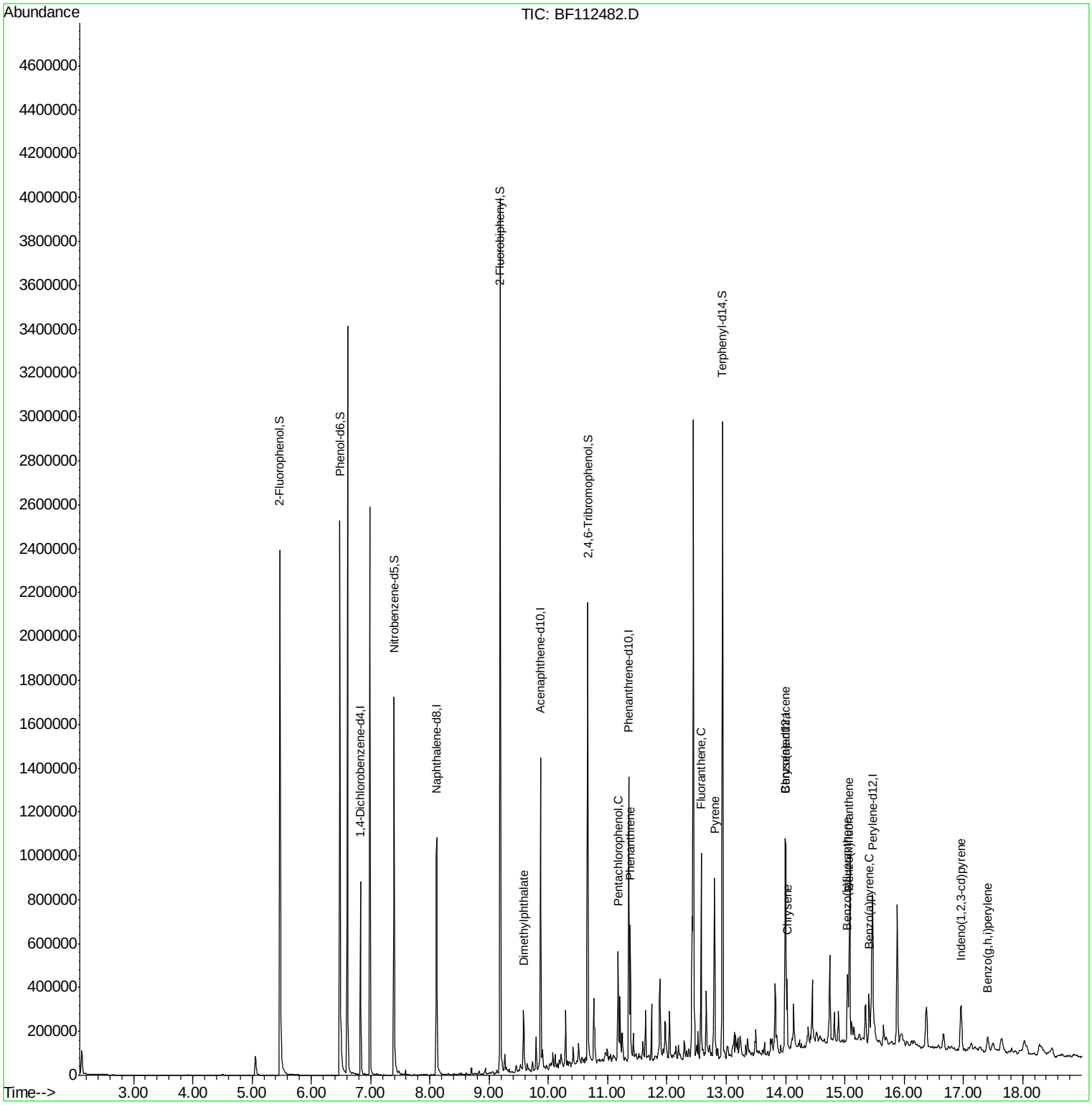
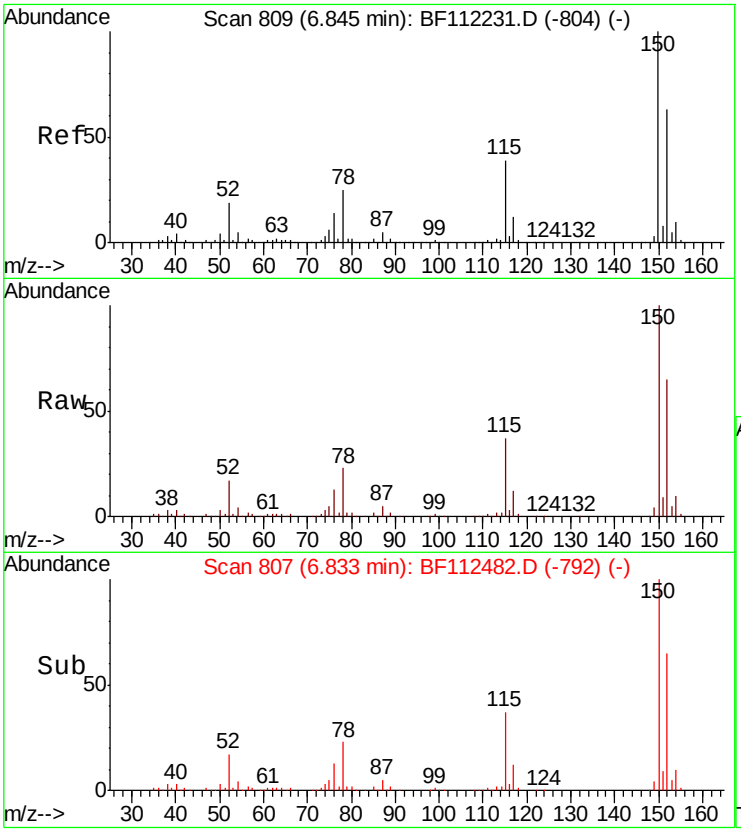
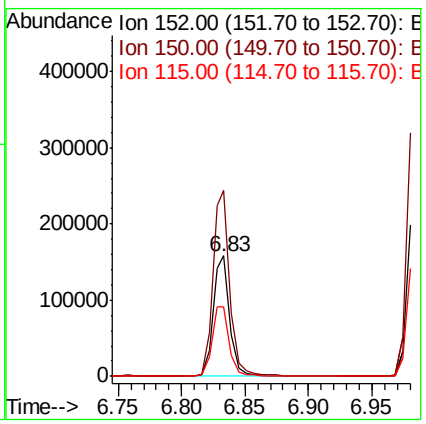





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:152 Resp: 146486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 127.4 | 191.0 |
| 115 | 57.3 | 45.5 | 68.3 |




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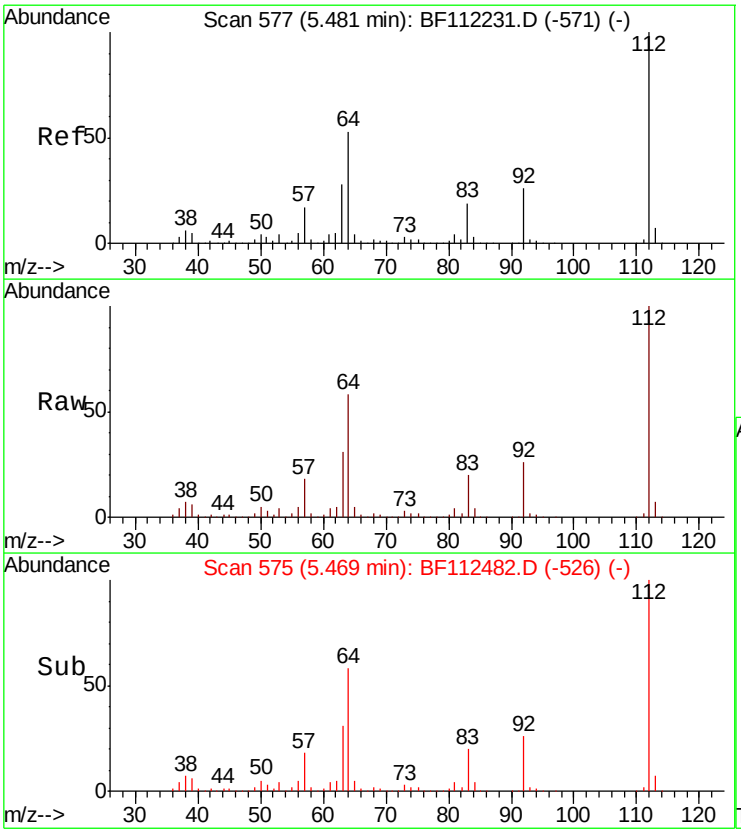
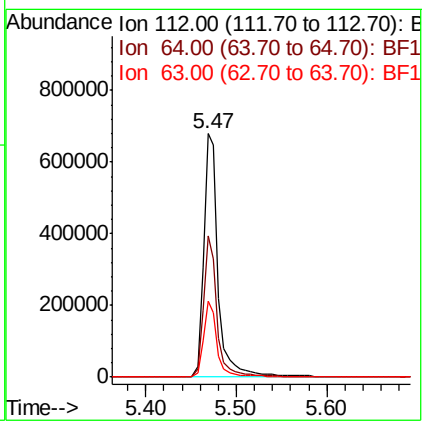
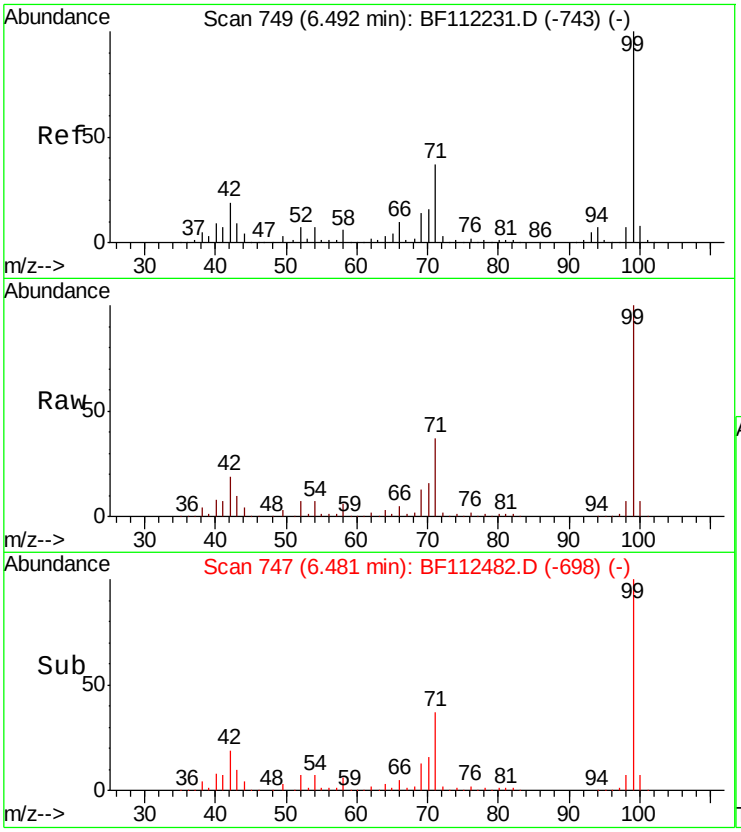



#5
2-Fluorophenol
Concen: 111.445 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:112 Resp: 768580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 45.7 | 68.5 |
| 63 | 31.4 | 23.6 | 35.4 |

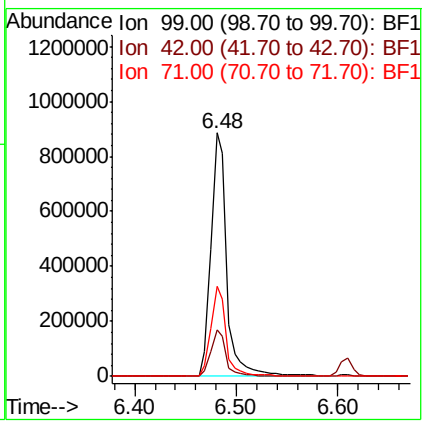





#7
Phenol-d6
Concen: 101.109 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion: 99 Resp: 968927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 15.1 | 22.7 |
| 71 | 37.1 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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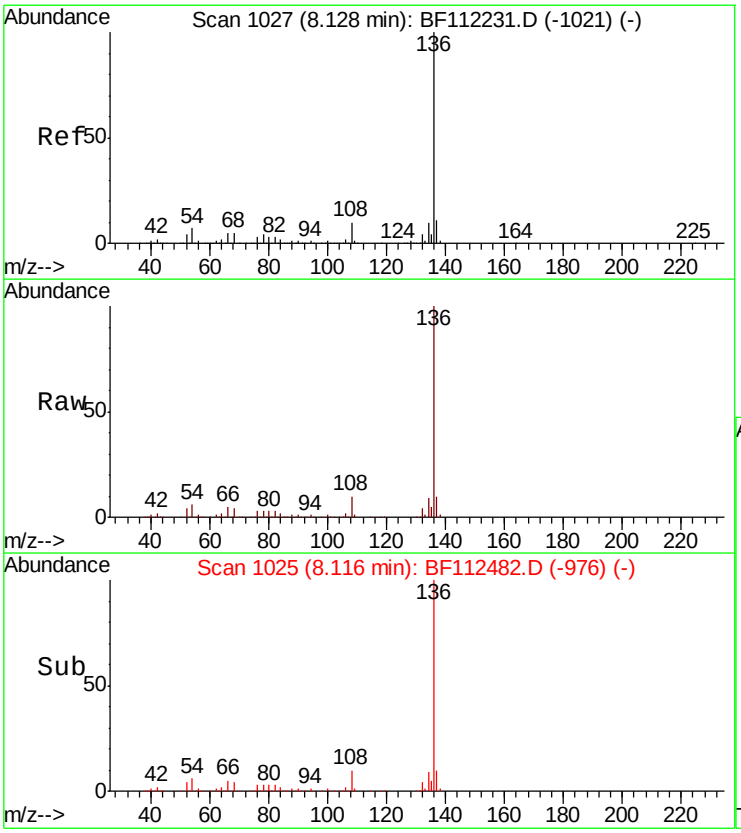
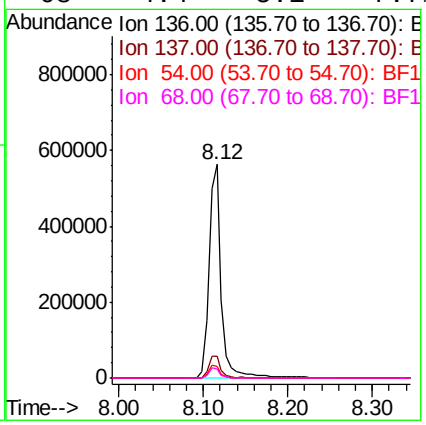
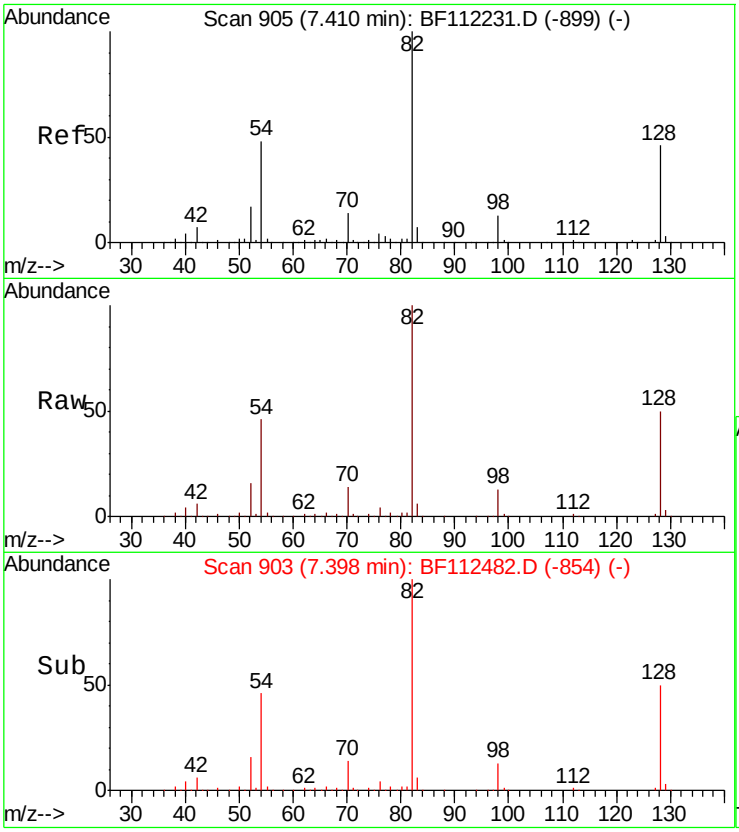



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:136 Resp: 572761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 9.1 | 13.7 |
| 54 | 5.6 | 5.9 | 8.9# |
| 68 | 4.4 | 5.1 | 7.7# |

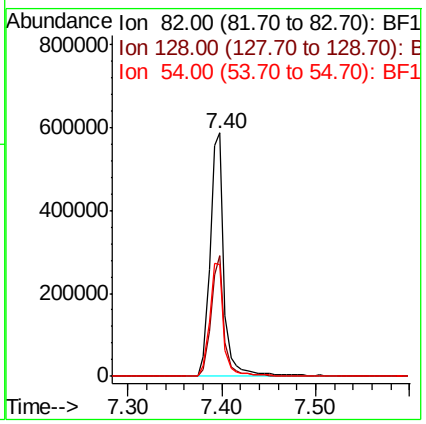





#23
Nitrobenzene-d5
Concen: 62.405 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion: 82 Resp: 620325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.6 | 37.8 | 56.8 |
| 54 | 46.1 | 39.7 | 59.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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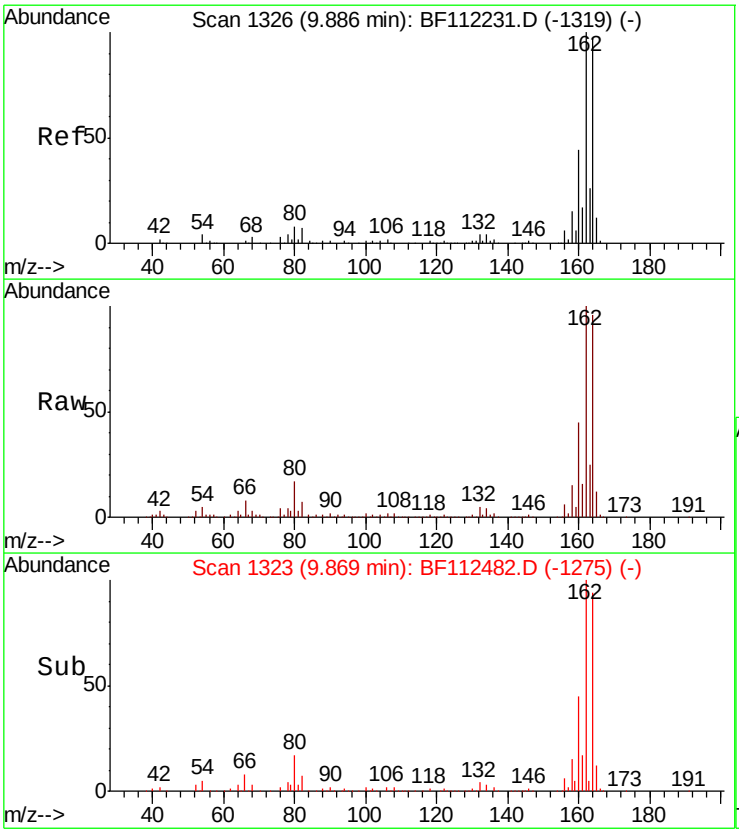
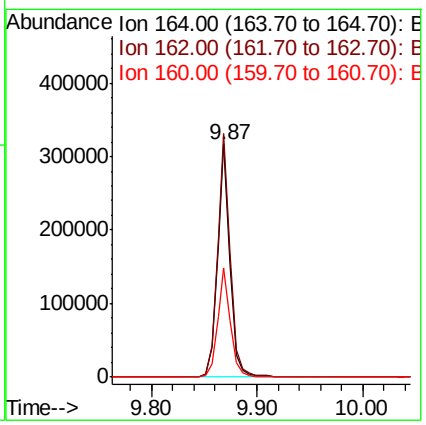
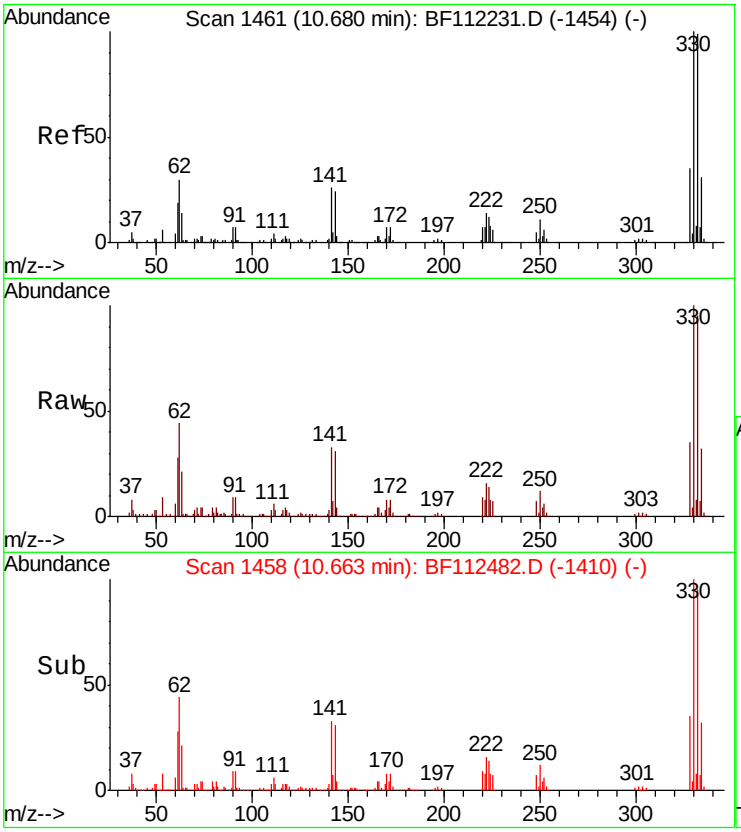



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:164 Resp: 265892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.6 | 82.2 | 123.4 |
| 160 | 46.8 | 36.2 | 54.4 |

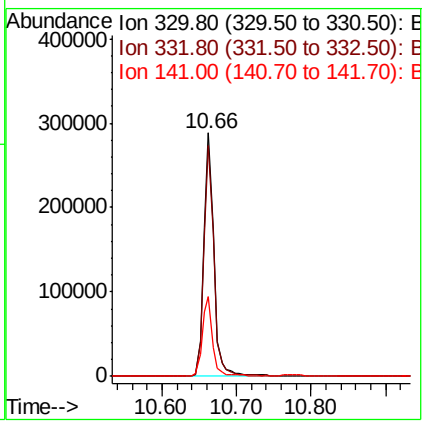





#42
2,4,6-Tribromophenol
Concen: 89.344 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:330 Resp: 276512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.5 | 76.6 | 114.8 |
| 141 | 32.9 | 24.3 | 36.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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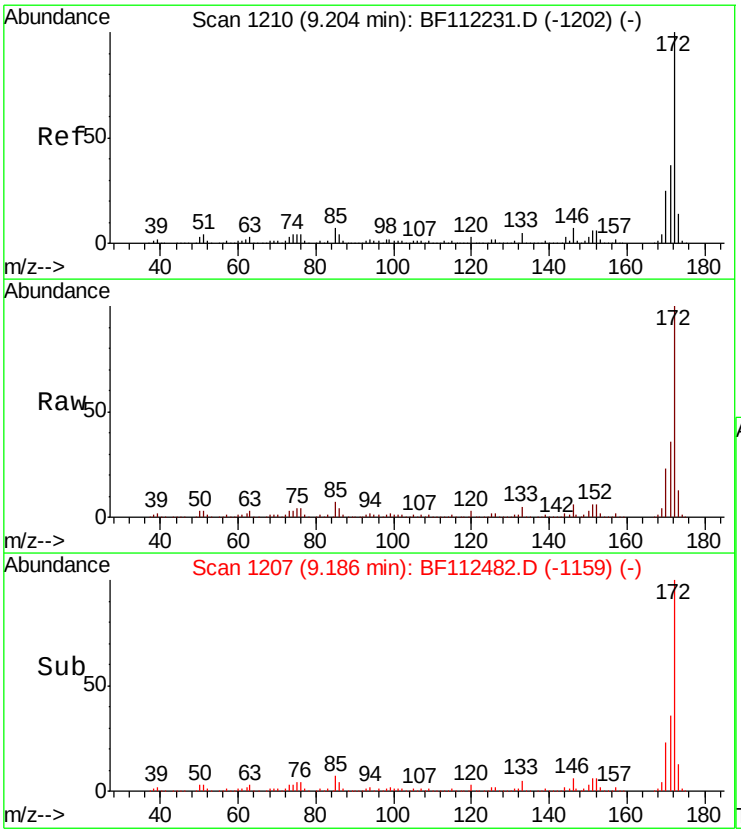
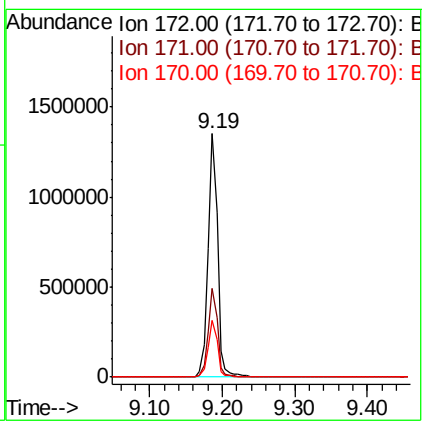
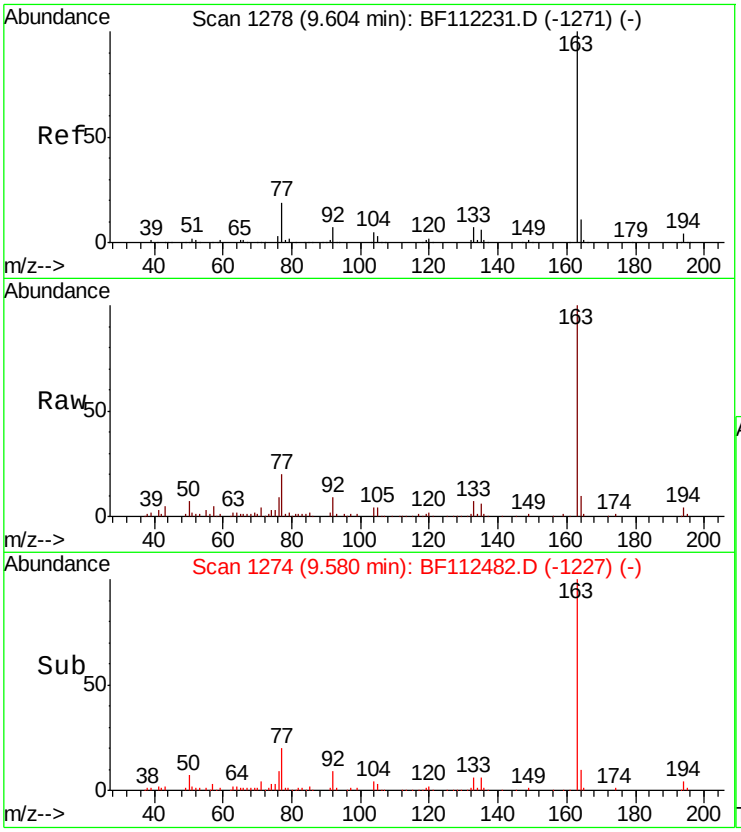



#45
2-Fluorobiphenyl
Concen: 65.778 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:172 Resp: 1236614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 30.5 | 45.7 |
| 170 | 23.5 | 20.2 | 30.4 |

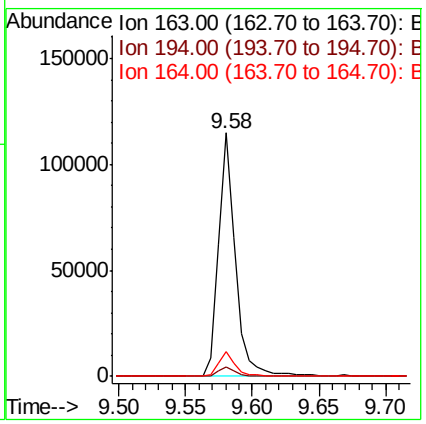





#50
Dimethylphthalate
Concen: 5.021 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:163 Resp: 103718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.3 | 4.9 |
| 164 | 10.3 | 8.5 | 12.7 |




**Instrument :**
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**ClientSampleId :**
HB-VJ210

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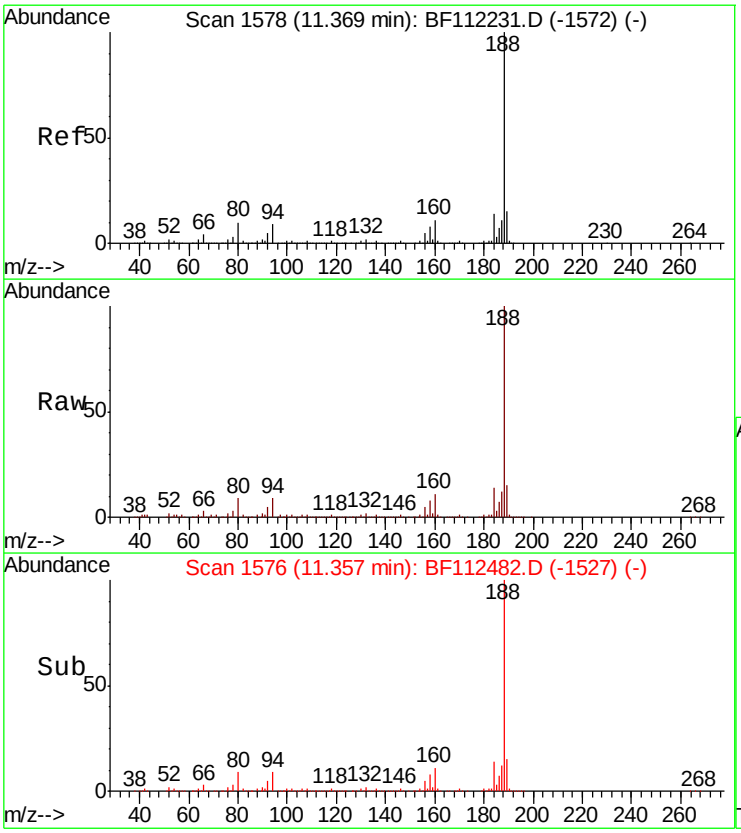
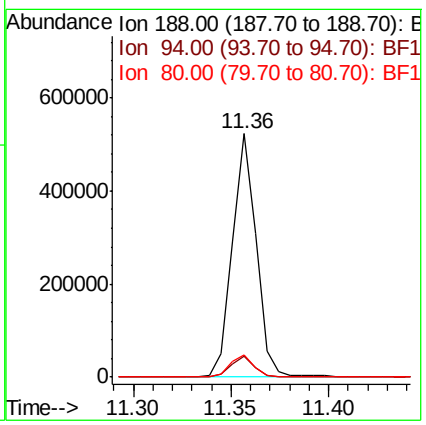
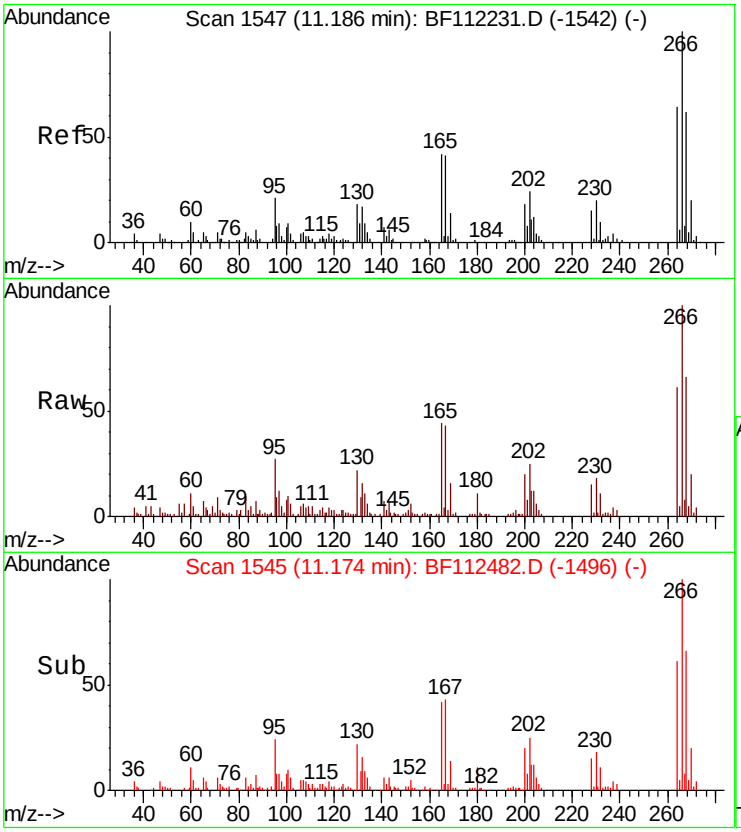



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:188 Resp: 445139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 8.2 | 12.2 |
| 80 | 9.3 | 8.9 | 13.3 |

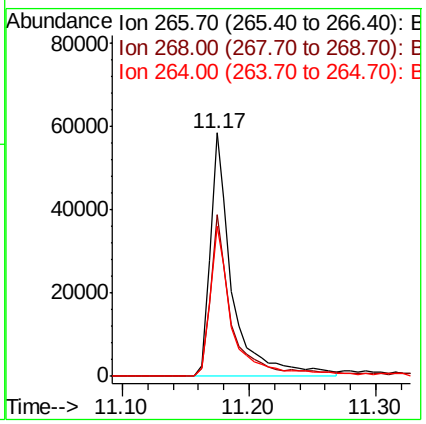





#70
Pentachlorophenol
Concen: 32.466 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:266 Resp: 70958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.2 | 51.2 | 76.8 |
| 264 | 61.4 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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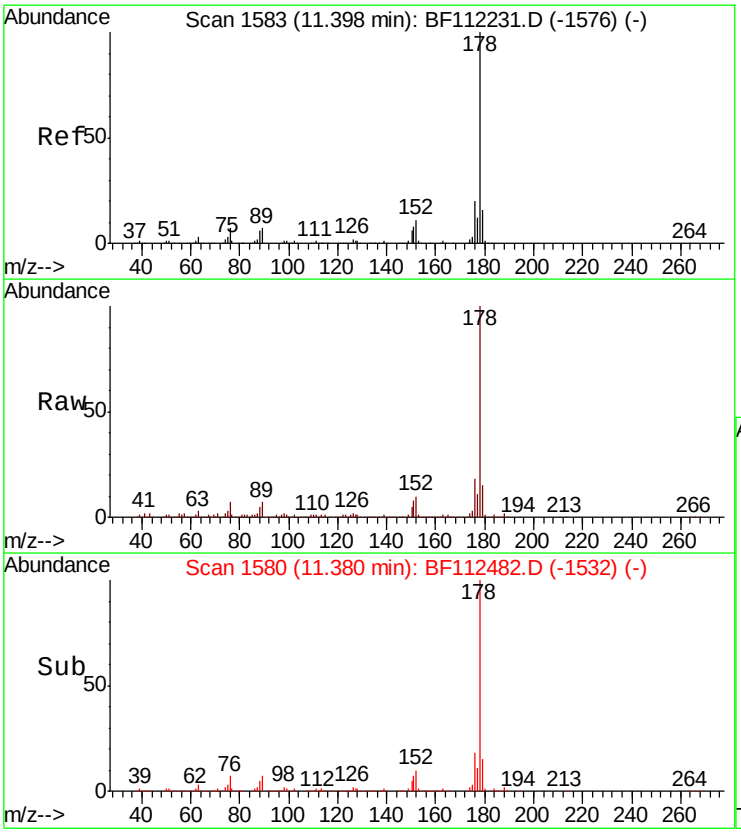
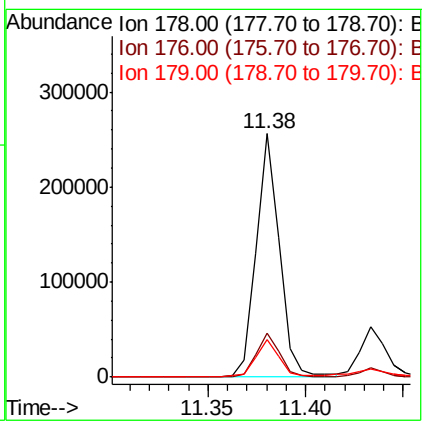
2/12/2019 11:57:05 AM

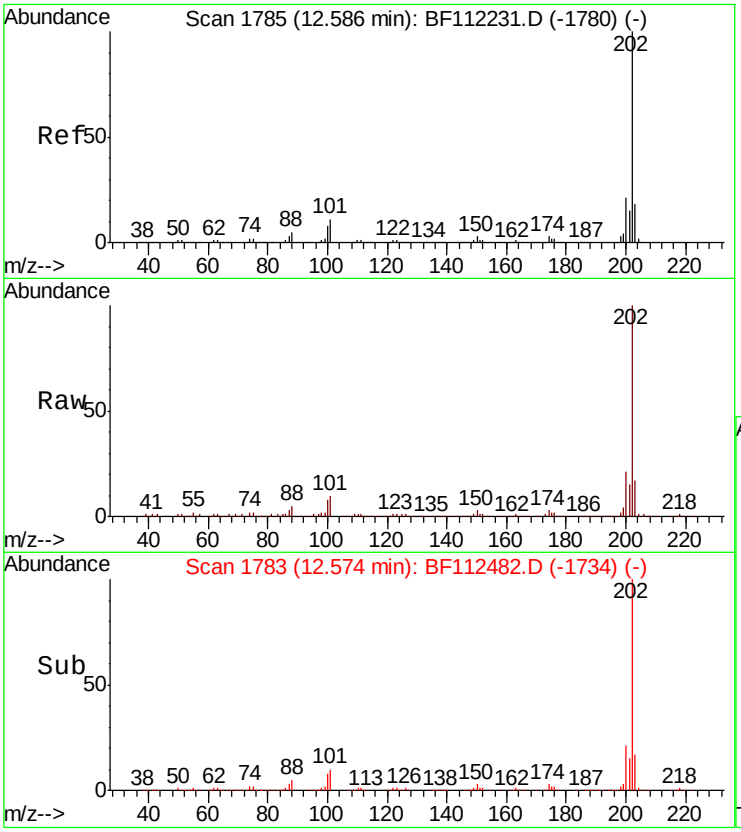



#71
Phenanthrene
Concen: 9.135 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:178 Resp: 211398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 16.3 | 24.5 |
| 179 | 15.3 | 13.0 | 19.4 |

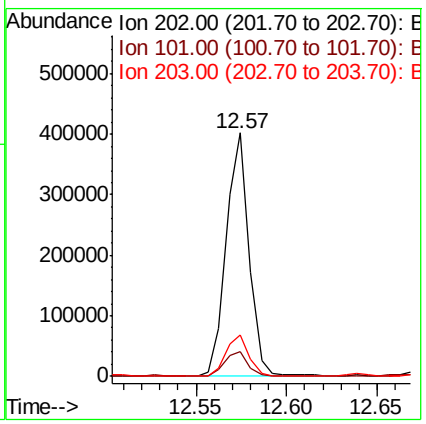





#75
Fluoranthene
Concen: 14.319 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:202 Resp: 355409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 31.8 |
| 203 | 16.9 | 0.0 | 38.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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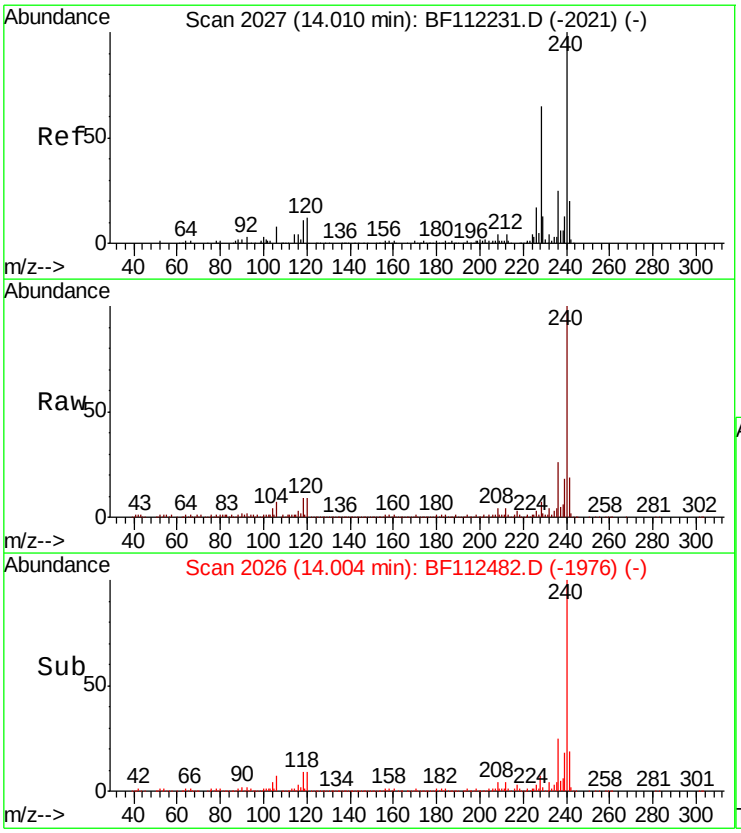
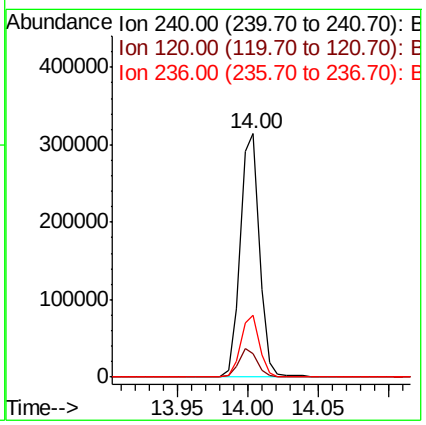
2/12/2019 11:57:05 AM

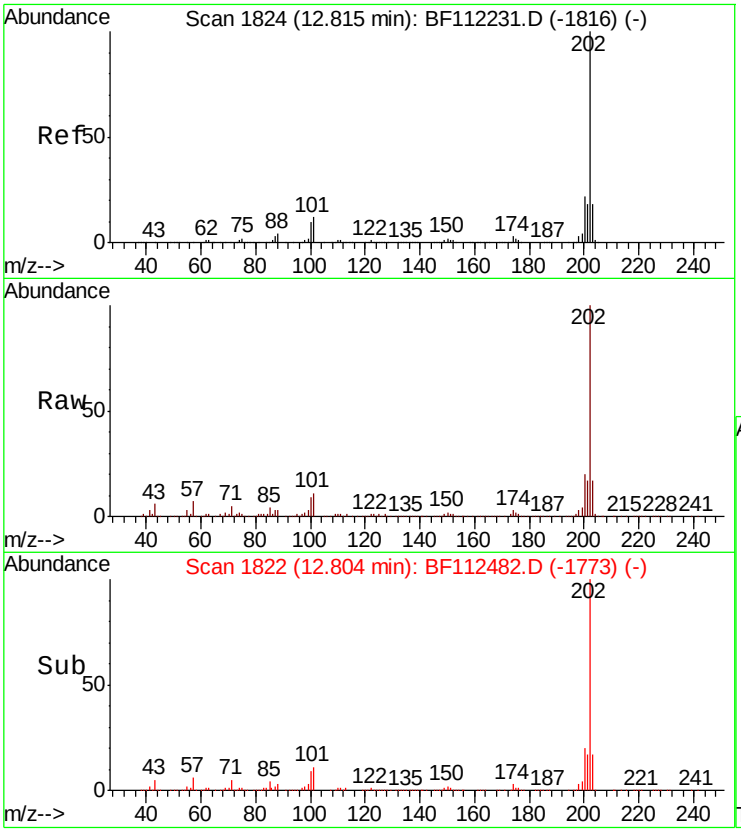



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:240 Resp: 300076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.4 | 9.0 | 13.6 |
| 236 | 25.6 | 20.7 | 31.1 |

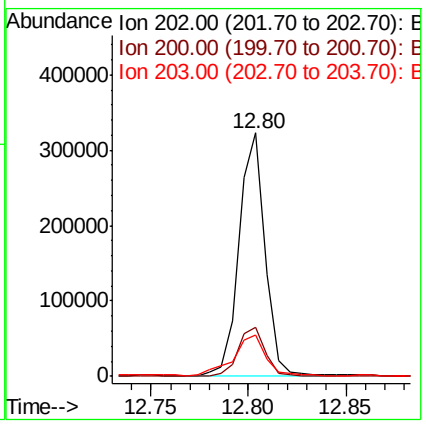





#78
Pyrene
Concen: 14.302 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:202 Resp: 297125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 17.7 | 26.5 |
| 203 | 16.9 | 14.6 | 22.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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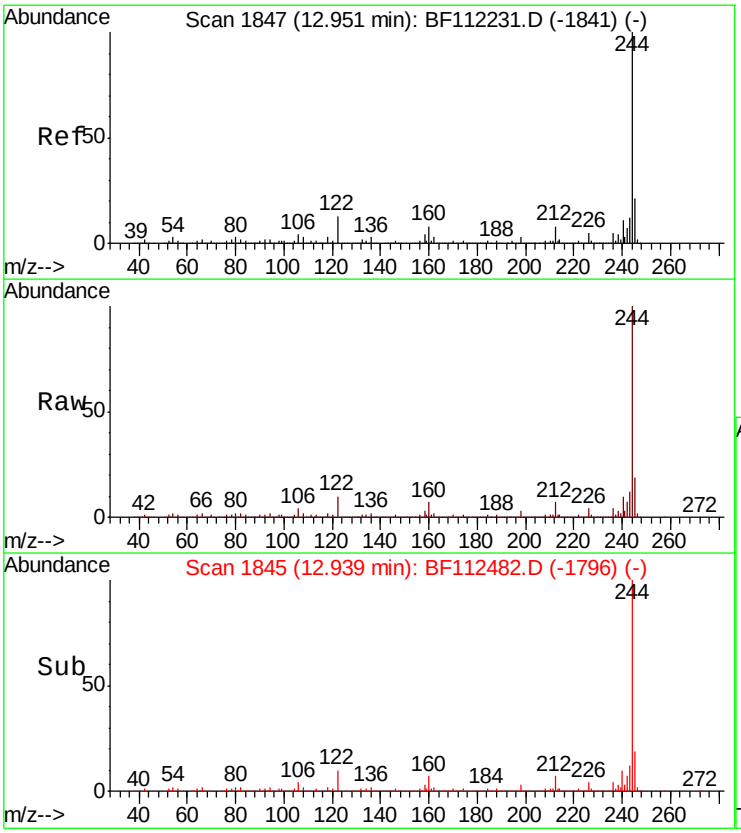
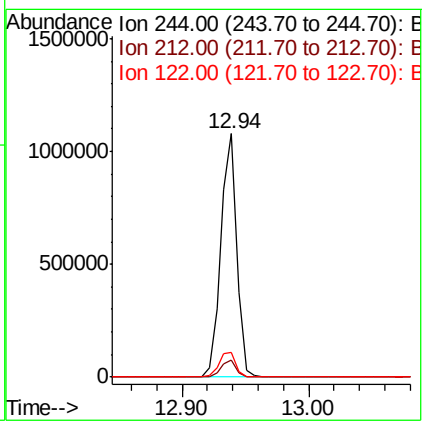
2/12/2019 11:57:05 AM

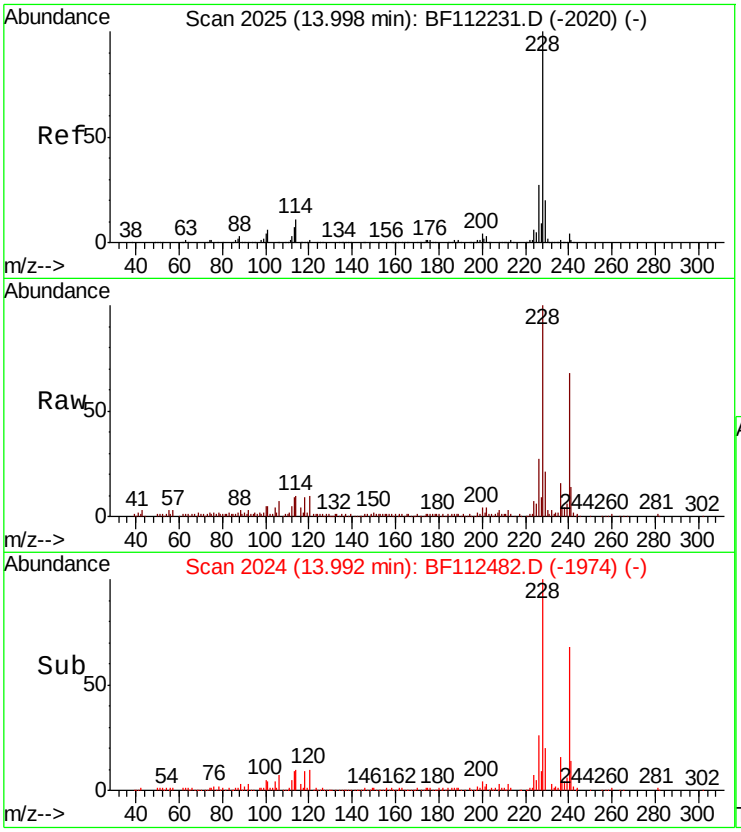



#79
Terphenyl-d14
Concen: 59.574 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:244 Resp: 949152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.9 | 8.9 |
| 122 | 10.2 | 9.8 | 14.6 |

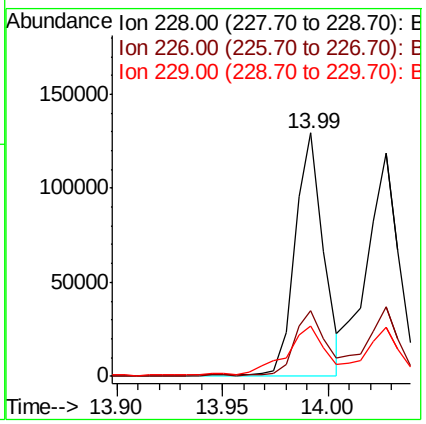





#81
Benzo(a)anthracene
Concen: 6.837 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:228 Resp: 120606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 22.6 | 34.0 |
| 229 | 20.6 | 16.5 | 24.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

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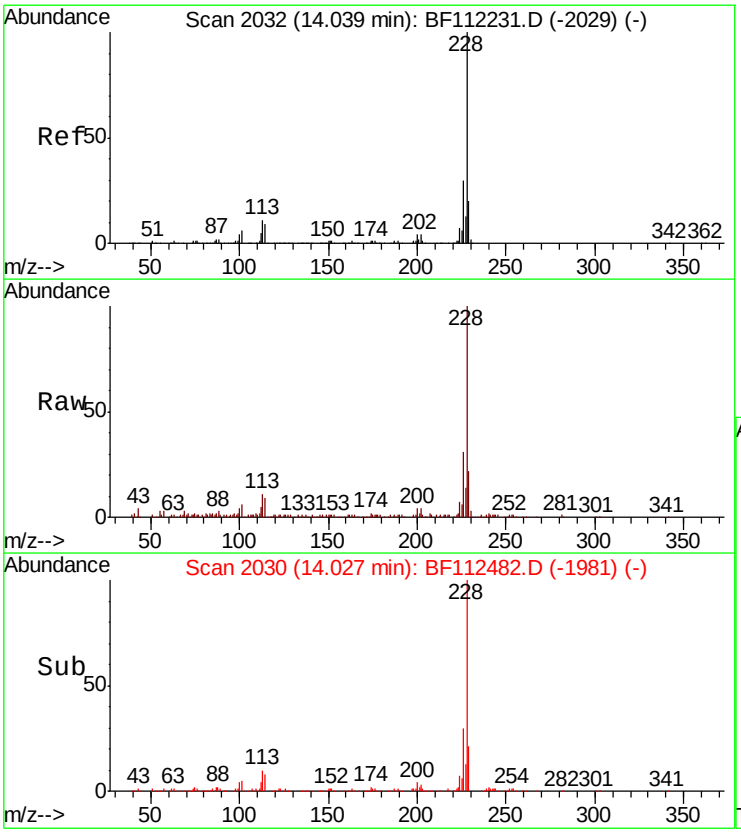
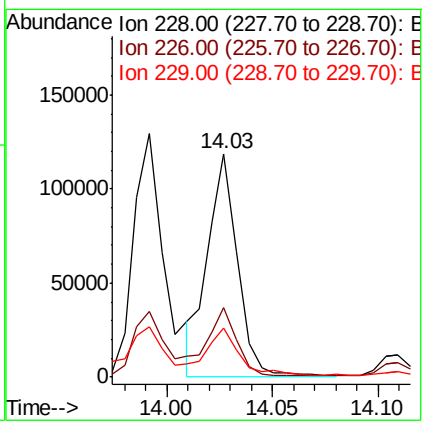
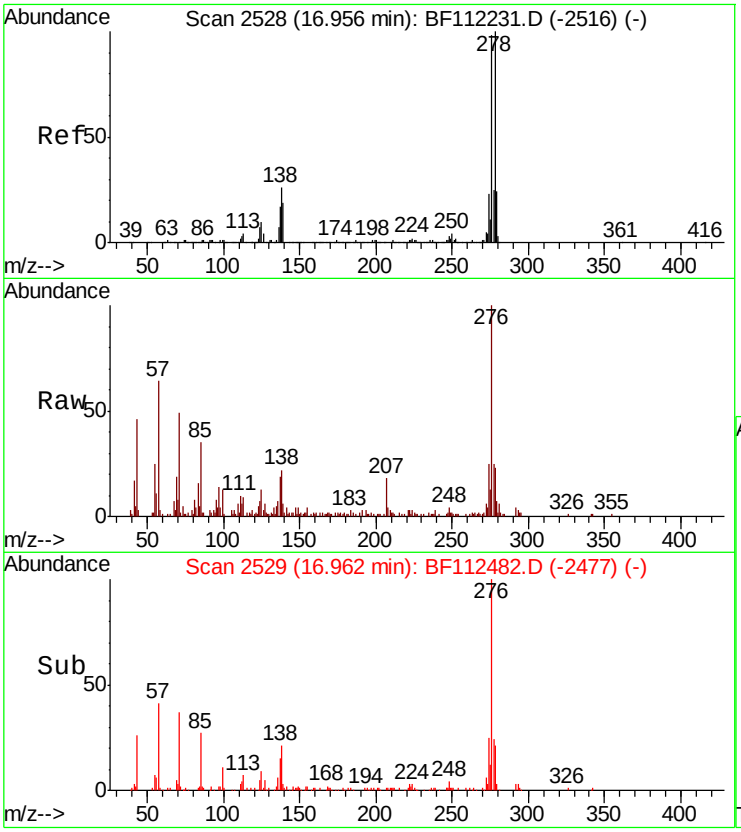



#83
Chrysene
Concen: 6.937 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:228 Resp: 116802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 25.0 | 37.6 |
| 229 | 22.0 | 16.6 | 24.8 |

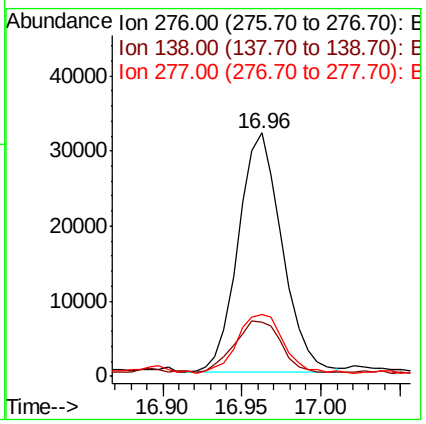





#86
Indeno(1,2,3-cd)pyrene
Concen: 4.555 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:276 Resp: 60779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.2 | 22.6 | 34.0 |
| 277 | 26.3 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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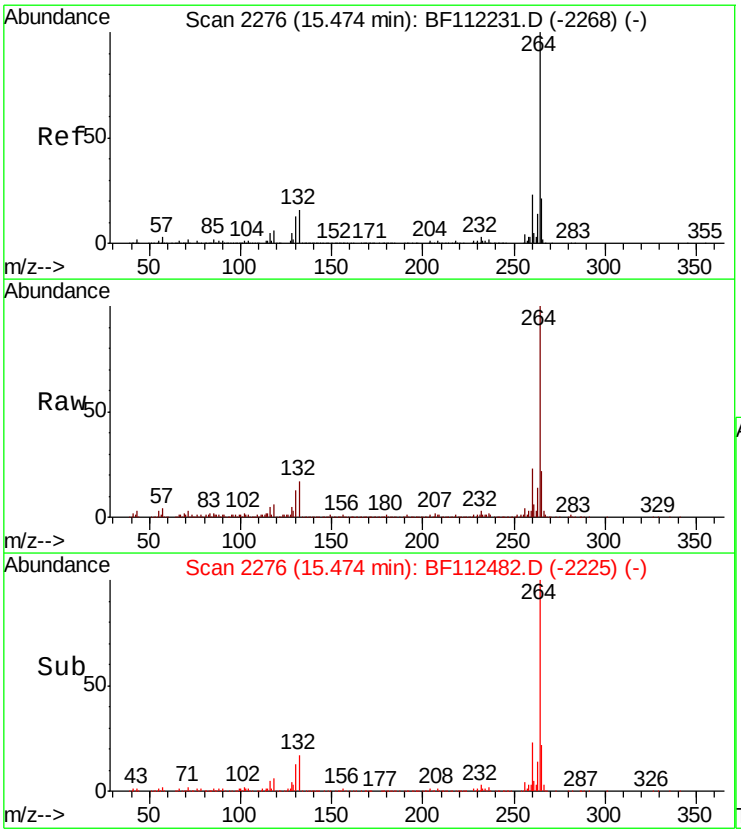
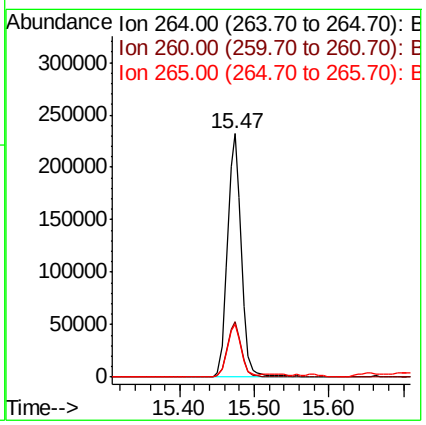
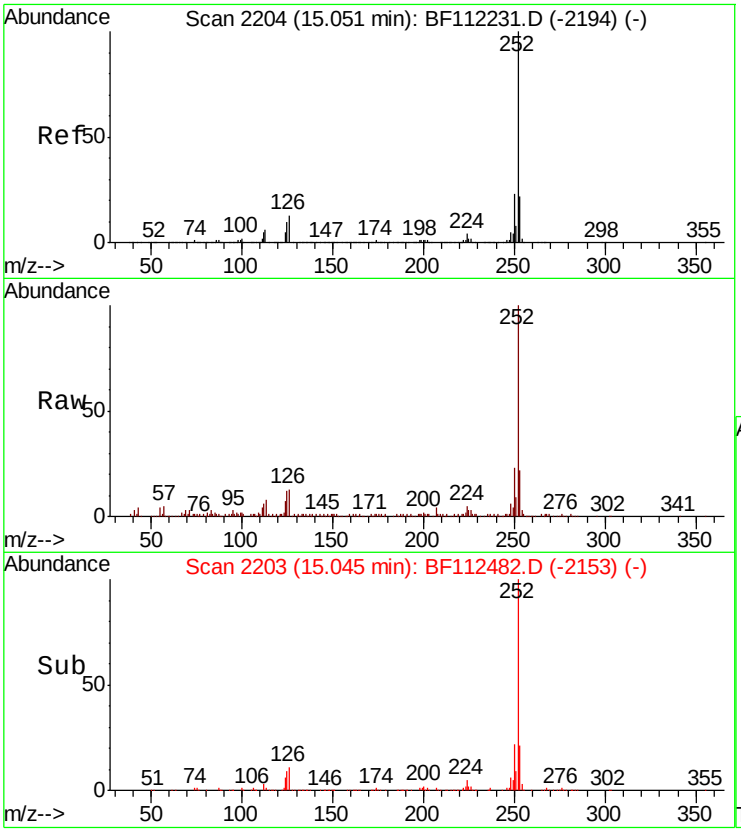



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:264 Resp: 304271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 18.2 | 27.2 |
| 265 | 21.9 | 17.0 | 25.4 |

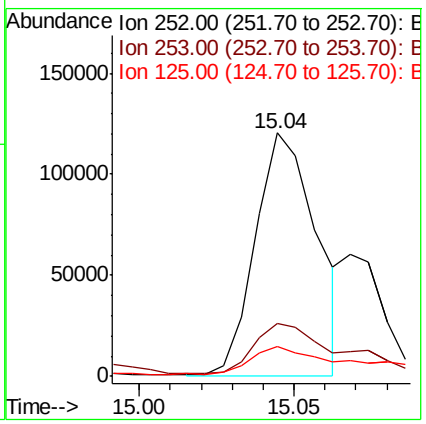





#88
Benzo(b)fluoranthene
Concen: 9.159 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:252 Resp: 166666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 18.0 | 27.0 |
| 125 | 12.3 | 8.7 | 13.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
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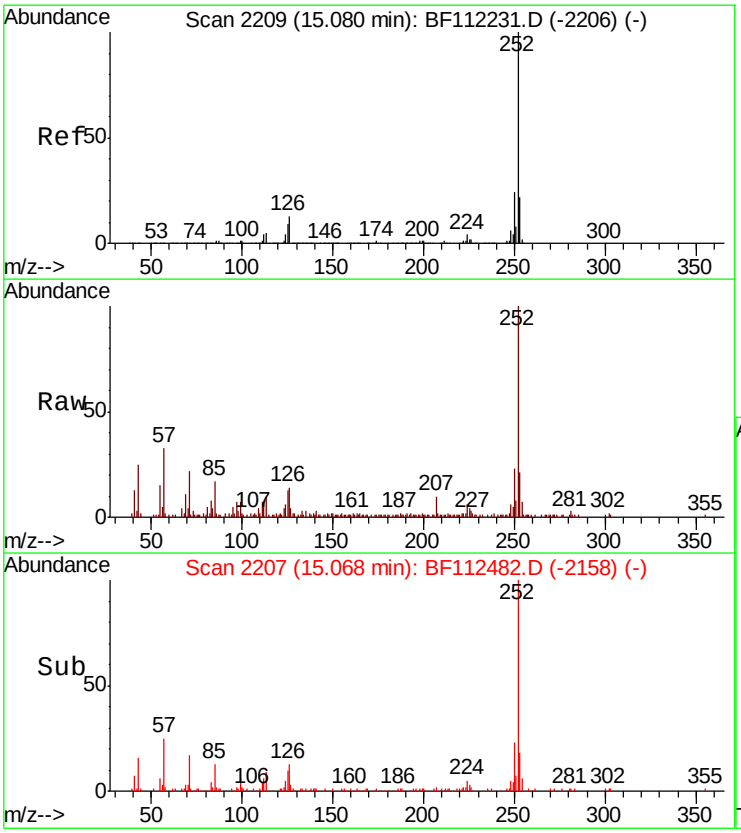
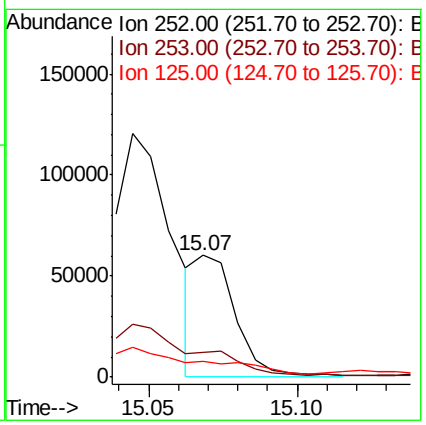
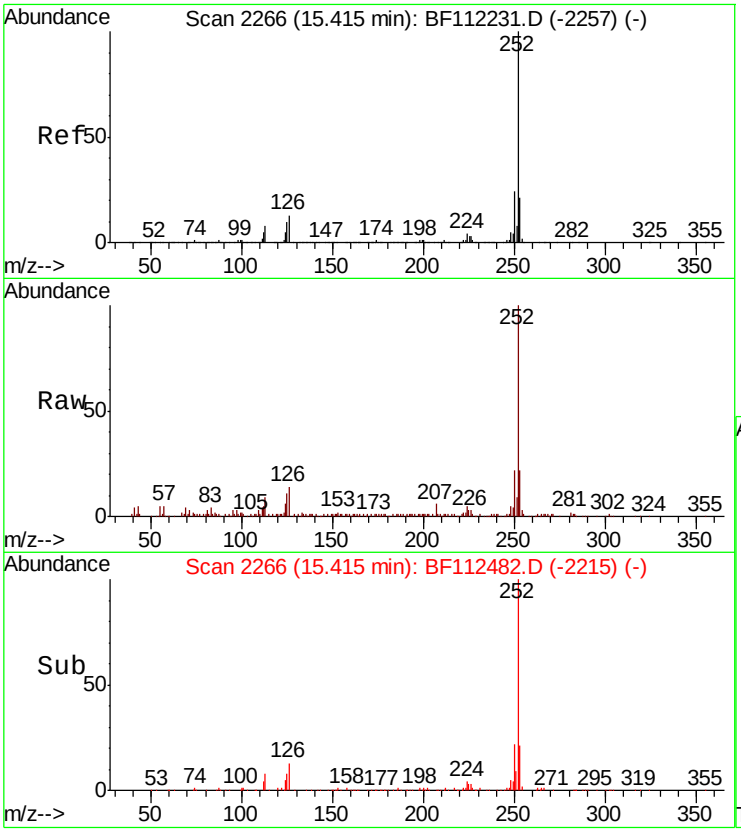



#89
Benzo(k)fluoranthene
Concen: 3.282 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:252 Resp: 57213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.5 | 18.0 | 27.0 |
| 125 | 12.6 | 9.1 | 13.7 |

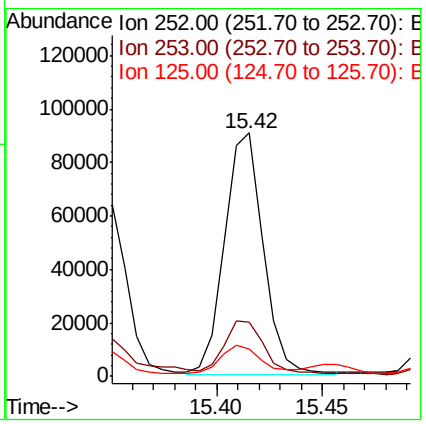





#90
Benzo(a)pyrene
Concen: 7.014 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

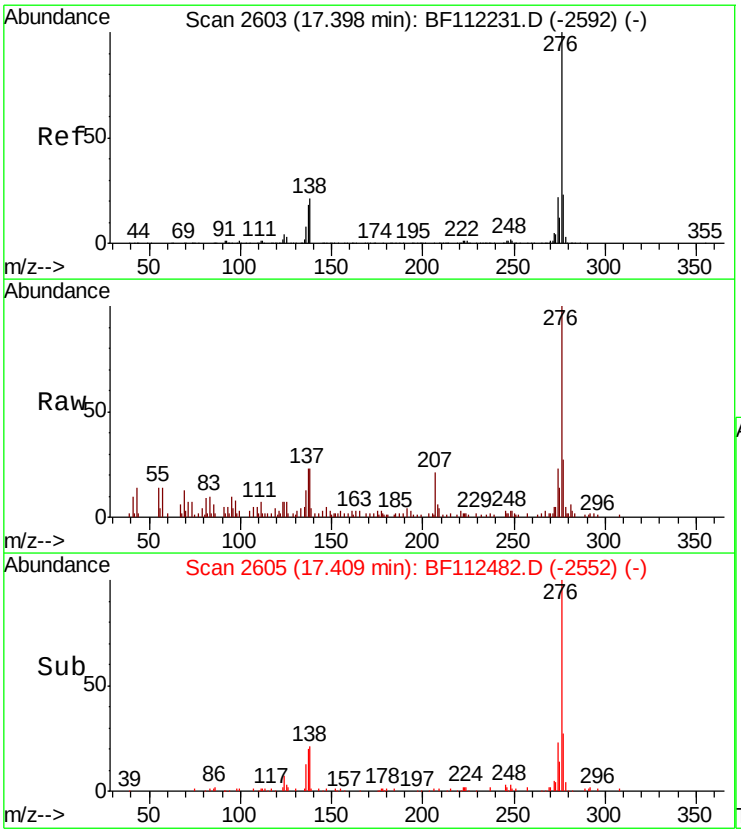
Tgt Ion:252 Resp: 114842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 11.1 | 9.0 | 13.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
HB-VJ210

**Manual Integrations APPROVED**
Sohil
2/12/2019 11:57:05 AM




#92
Benzo(g,h,i)perylene
Concen: 4.867 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BF112482.D
Acq: 11 Feb 2019 15:55

Tgt Ion:276 Resp: 60598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.1 | 19.4 | 29.0 |
| 138 | 23.0 | 19.1 | 28.7 |