

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\  
 Data File : BN010313.D  
 Acq On : 20 Mar 2020 21:31  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

mohammad  
 3/23/2020 9:43:01 AM

Quant Time: Mar 20 23:01:07 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Mar 19 15:26:45 2020

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 3928     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 13367    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.24 | 164  | 7910     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.99 | 188  | 18666    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.19 | 240  | 19855    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.36 | 264  | 19931    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.25  | 112 | 3031  | 0.39 | ng | 0.00 |
| 5) Phenol-d6                | 6.80  | 99  | 3839  | 0.40 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.74  | 82  | 3276  | 0.38 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 8274  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.73 | 330 | 1074  | 0.35 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 12482 | 0.41 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.02 | 212 | 21274 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.63 | 244 | 17283 | 0.40 | ng | 0.00 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 1449  | 0.393 | ng | 96     |
| 3) n-Nitrosodimethylamine      | 3.57  | 42  | 1110m | 0.356 | ng |        |
| 6) bis(2-Chloroethyl)ether     | 7.06  | 93  | 3726  | 0.401 | ng | 99     |
| 9) Naphthalene                 | 10.43 | 128 | 13368 | 0.401 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.73 | 225 | 3358  | 0.416 | ng | # 98   |
| 12) 2-Methylnaphthalene        | 12.05 | 142 | 9109  | 0.394 | ng | 99     |
| 16) Acenaphthylene             | 13.96 | 152 | 11482 | 0.370 | ng | 99     |
| 17) Acenaphthene               | 14.30 | 154 | 8509  | 0.385 | ng | 96     |
| 18) Fluorene                   | 15.29 | 166 | 11492 | 0.391 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.19 | 248 | 4423  | 0.391 | ng | 96     |
| 21) Hexachlorobenzene          | 16.31 | 284 | 4765  | 0.410 | ng | 99     |
| 22) Pentachlorophenol          | 16.65 | 266 | 1340  | 0.337 | ng | 96     |
| 23) Phenanthrene               | 17.03 | 178 | 20276 | 0.395 | ng | 100    |
| 24) Anthracene                 | 17.11 | 178 | 16219 | 0.370 | ng | 100    |
| 26) Fluoranthene               | 19.05 | 202 | 24438 | 0.389 | ng | 99     |
| 28) Pyrene                     | 19.42 | 202 | 24276 | 0.393 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.16 | 228 | 23560 | 0.373 | ng | 98     |
| 31) Chrysene                   | 21.22 | 228 | 27547 | 0.406 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 6175  | 0.289 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.51 | 276 | 29841 | 0.411 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.71 | 252 | 25612 | 0.378 | ng | 100    |
| 36) Benzo(k)fluoranthene       | 22.76 | 252 | 27433 | 0.398 | ng | 98     |
| 37) Benzo(a)pyrene             | 23.27 | 252 | 21229 | 0.372 | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278 | 24551 | 0.397 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 26.15 | 276 | 24116 | 0.388 | ng | 99     |

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

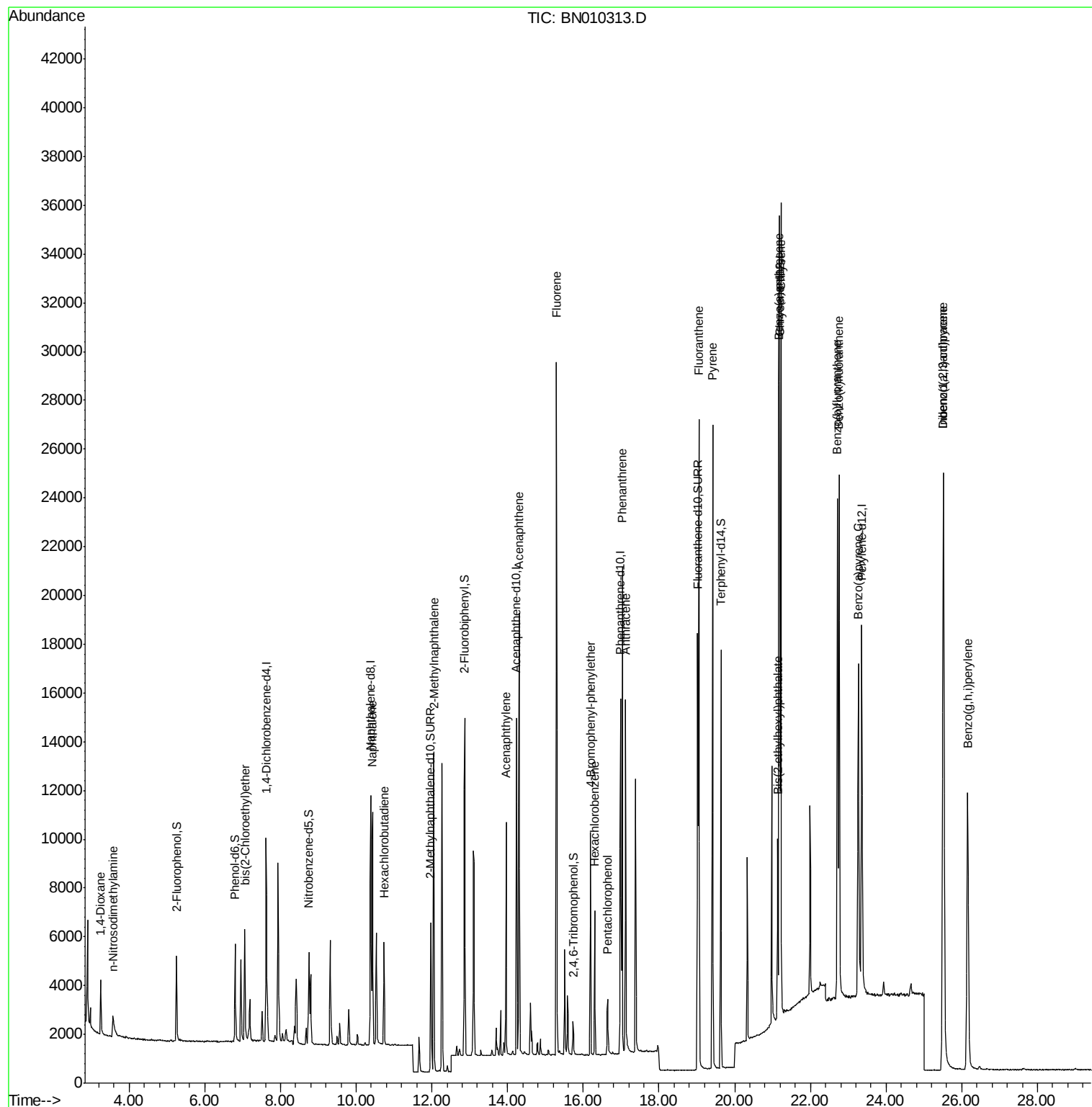
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\  
Data File : BN010313.D  
Acq On : 20 Mar 2020 21:31  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

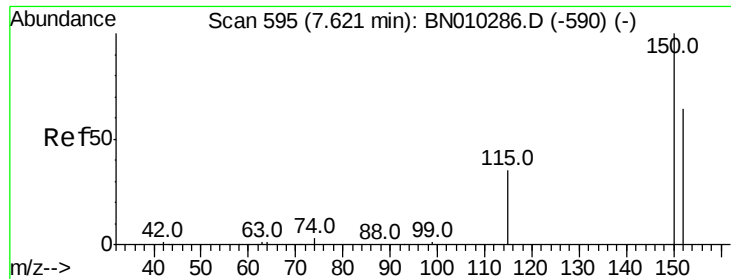
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 19 15:26:45 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

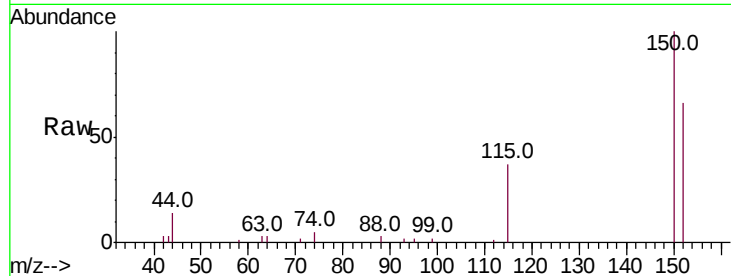
ClientSampled :

SSTDCCC0.4

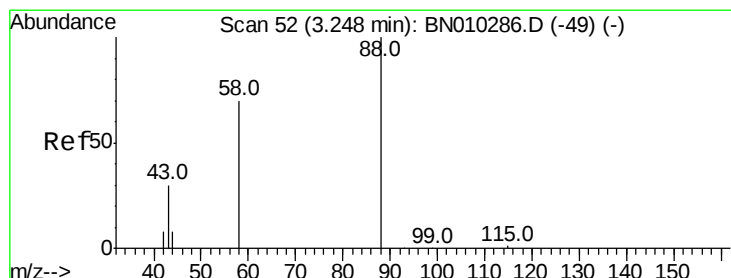
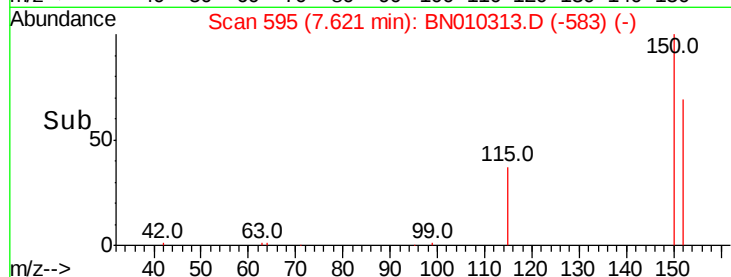
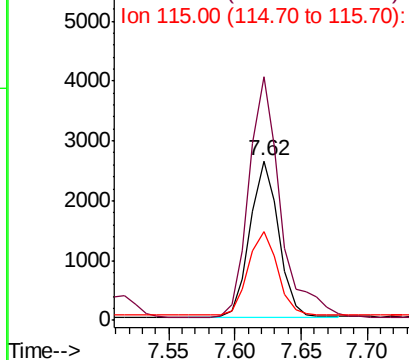
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 3928  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 152.5 | 123.1 | 184.7 |
| 115      | 55.8  | 45.2  | 67.8  |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.393 ng

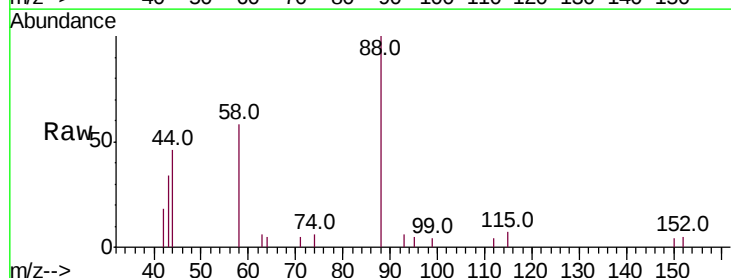
RT: 3.25 min Scan# 52

Delta R.T. -0.00 min

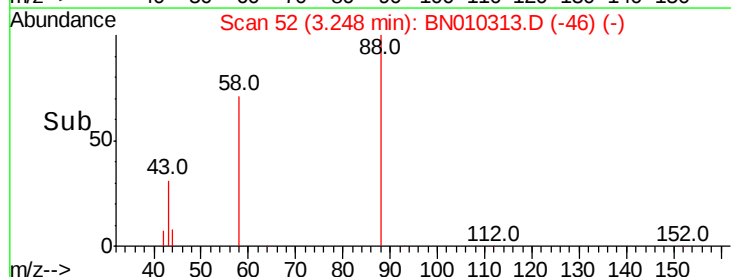
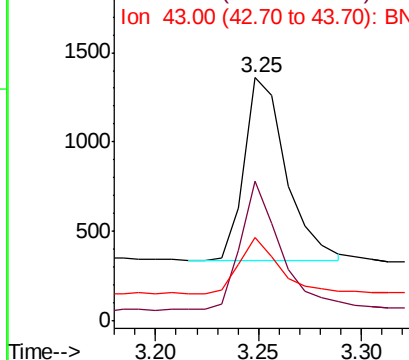
Lab File: BN010313.D

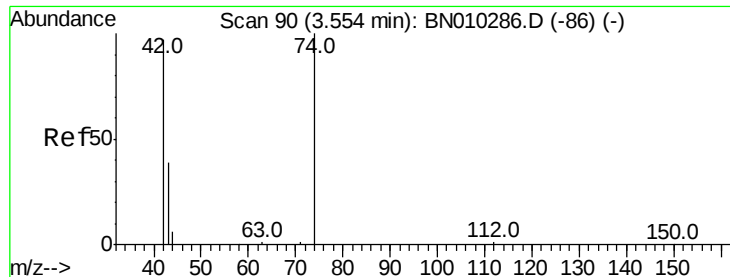
Acq: 20 Mar 2020 21:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 1449  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 67.2  | 51.7  | 77.5  |
| 43       | 28.8  | 21.2  | 31.8  |



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





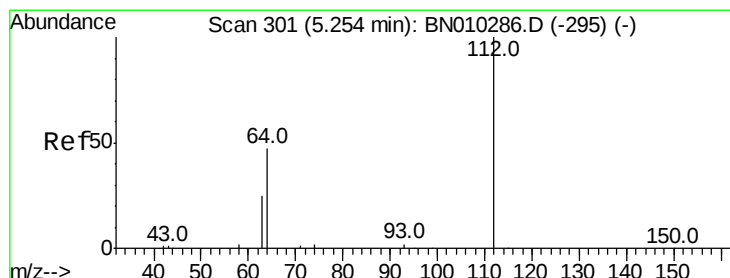
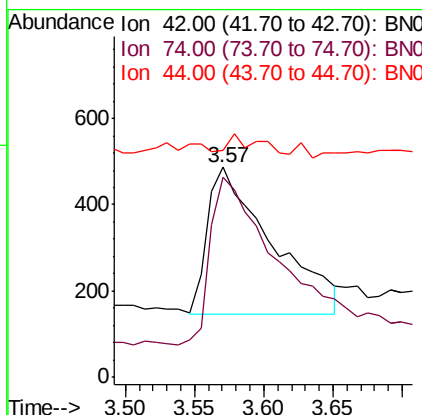
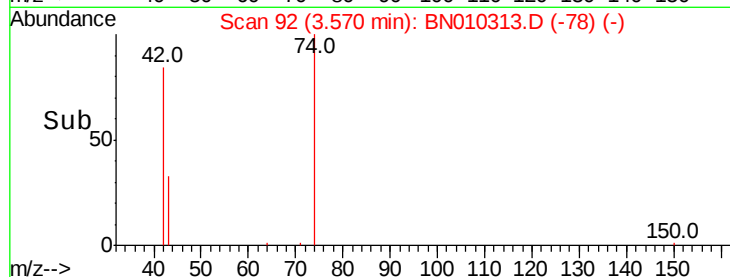
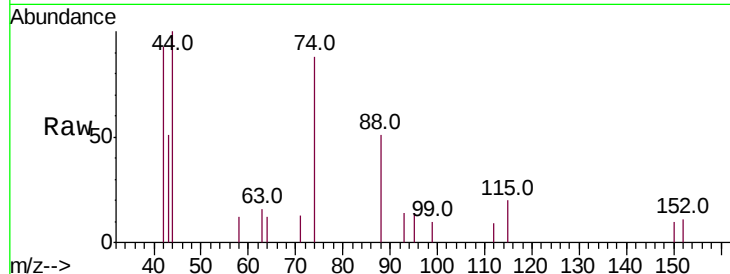
#3  
n-Nitrosodimethylamine  
Concen: 0.356 ng/ml  
RT: 3.57 min Scan# 92  
Delta R.T. 0.02 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 97.0  | 99.4  | 149.0# |
| 44      | 6.0   | 4.8   | 7.2    |

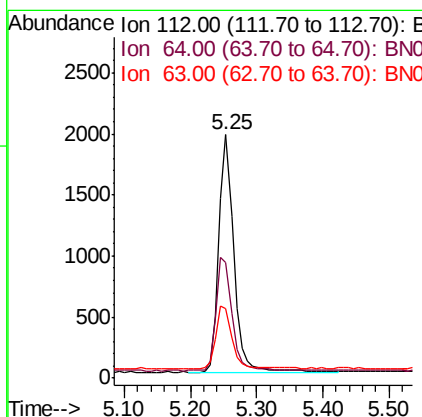
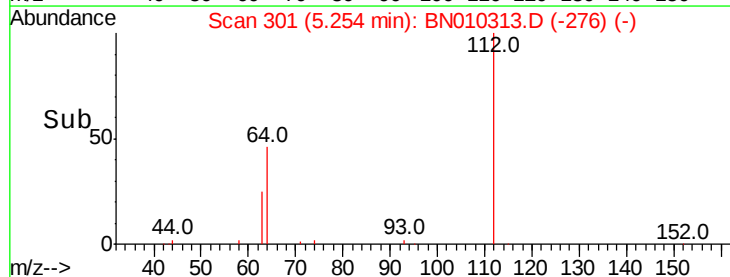
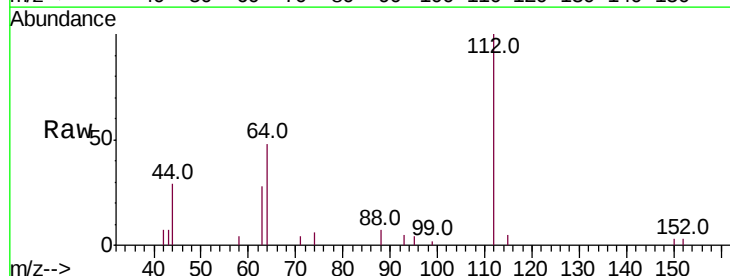
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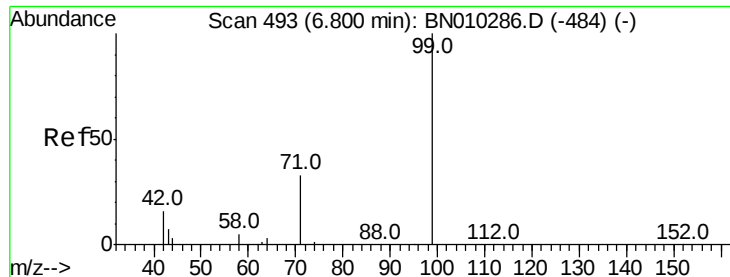
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#4  
2-Fluorophenol  
Concen: 0.390 ng/ml  
RT: 5.25 min Scan# 301  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.1  | 41.4  | 62.2  |
| 63      | 27.9  | 22.9  | 34.3  |





#5

Phenol-d6

Concen: 0.397 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

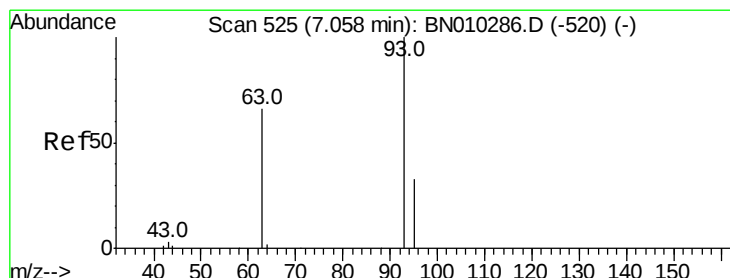
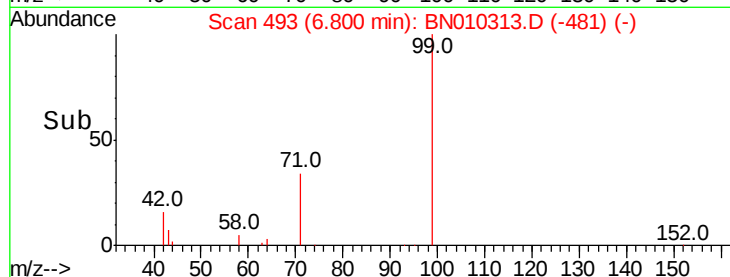
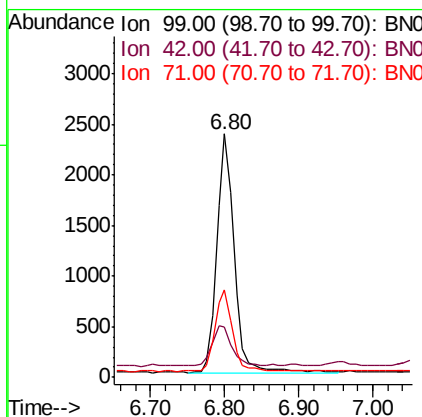
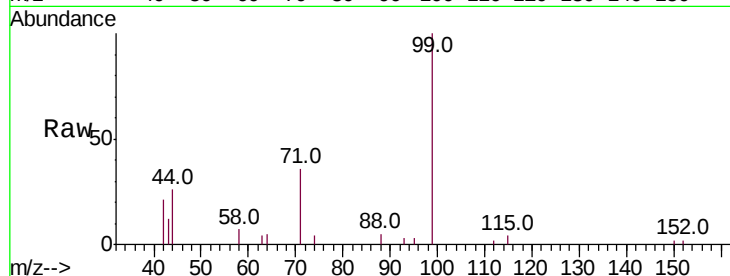
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 3839  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.5  | 14.8  | 22.2  |
| 71       | 33.8  | 27.3  | 40.9  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.401 ng

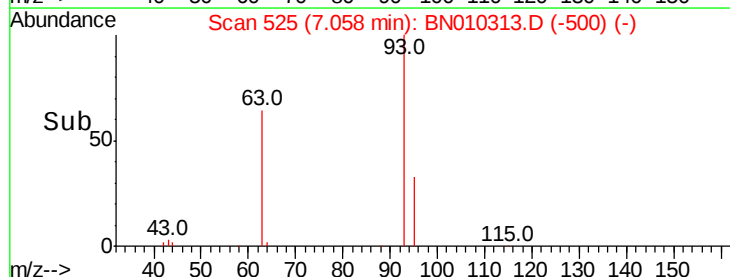
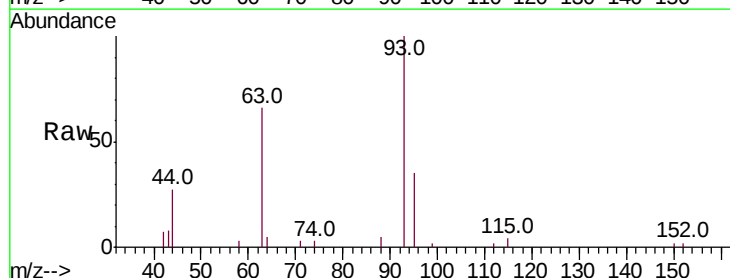
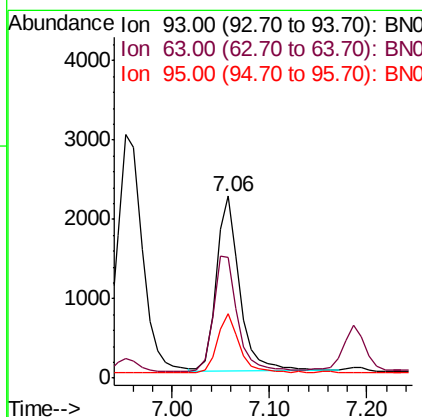
RT: 7.06 min Scan# 525

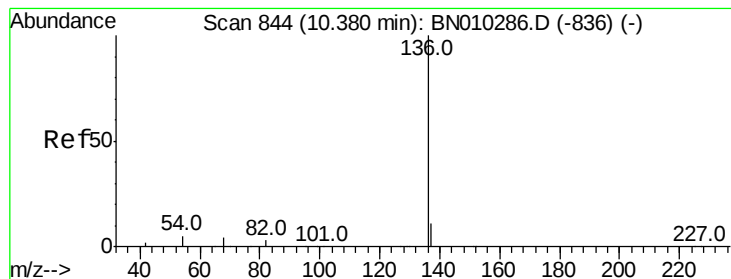
Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 3726  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 68.5  | 55.6  | 83.4  |
| 95       | 32.9  | 26.2  | 39.4  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

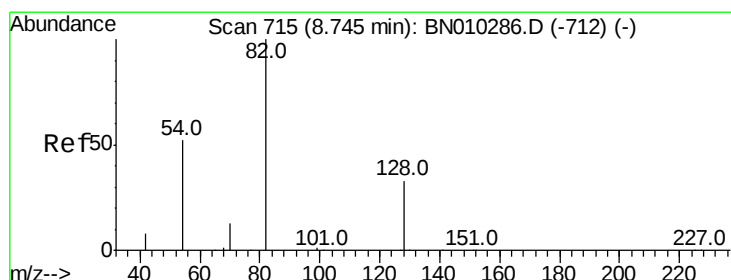
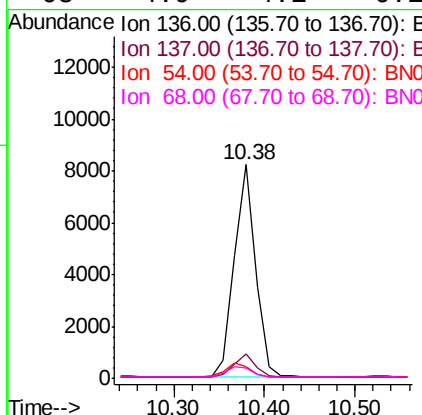
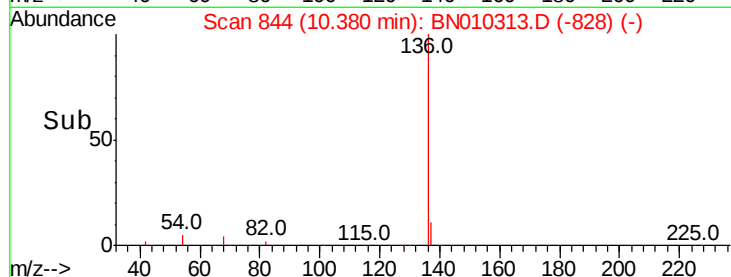
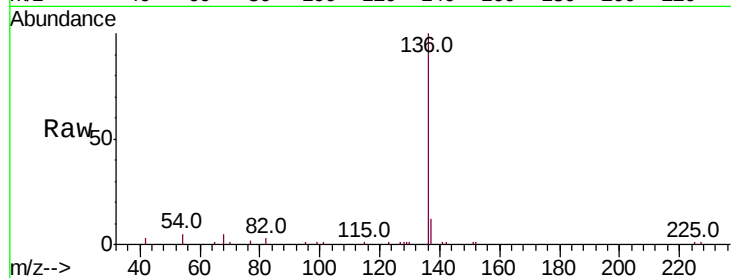
ClientSampleId :

SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.7  | 9.3   | 13.9  |
| 54      | 5.4   | 4.8   | 7.2   |
| 68      | 4.9   | 4.1   | 6.1   |

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#8

Nitrobenzene-d5

Concen: 0.382 ng

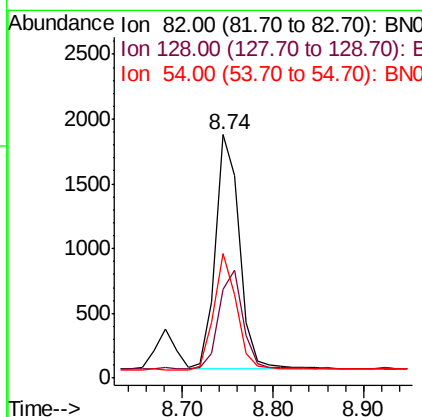
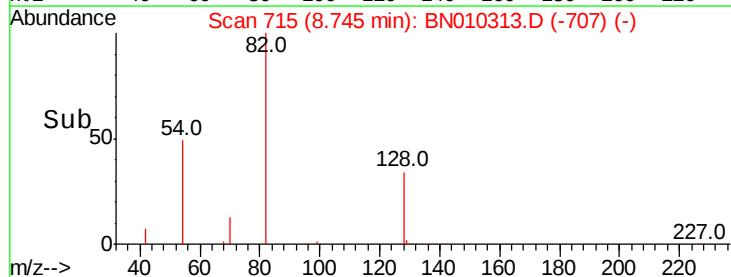
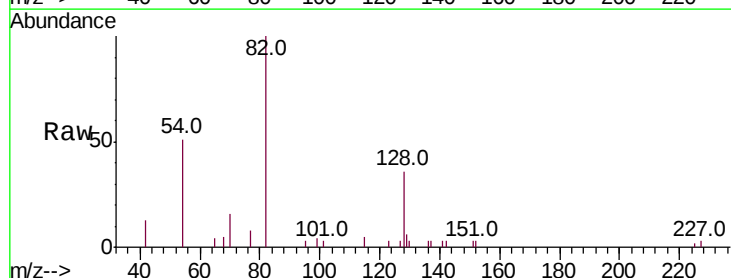
RT: 8.74 min Scan# 715

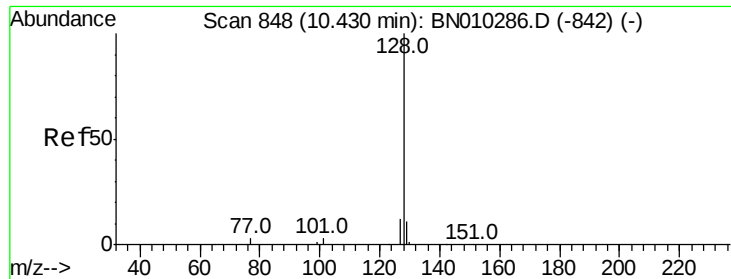
Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.5  | 28.8  | 43.2  |
| 54      | 51.2  | 42.1  | 63.1  |





#9

Naphthalene

Concen: 0.401 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

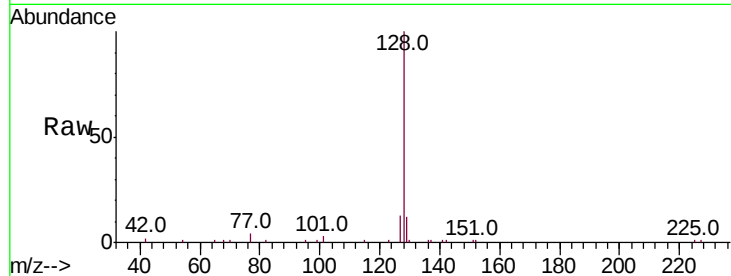
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 13368 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.9  | 9.1   | 13.7  |
| 127       | 13.1  | 10.4  | 15.6  |

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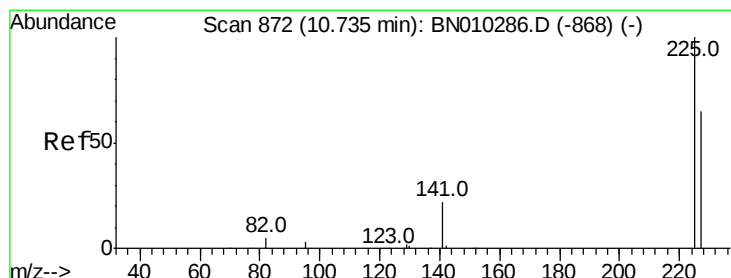
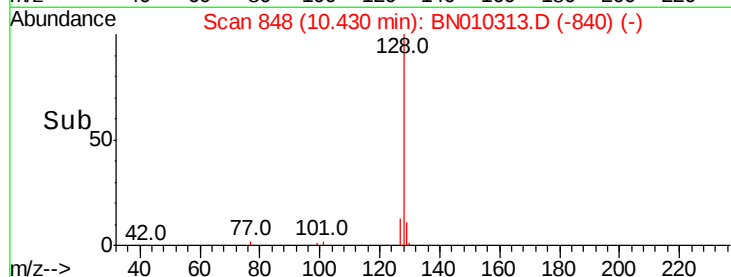
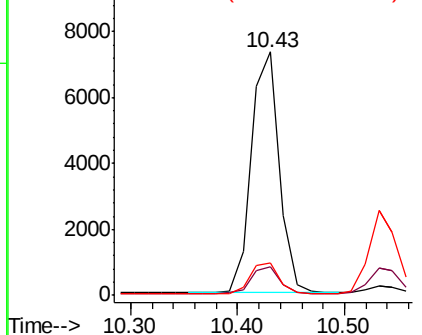
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.416 ng

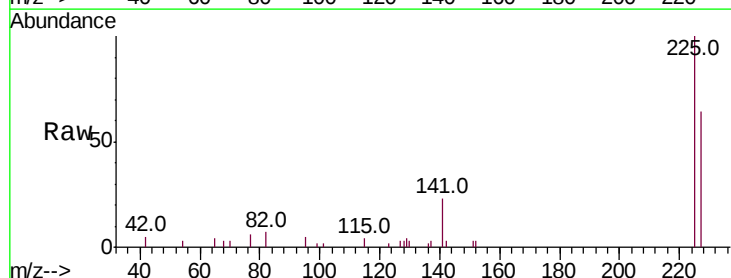
RT: 10.73 min Scan# 872

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

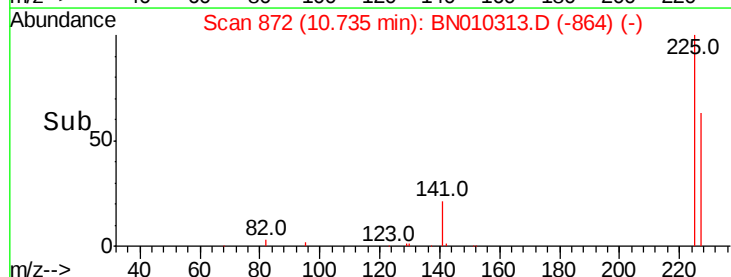
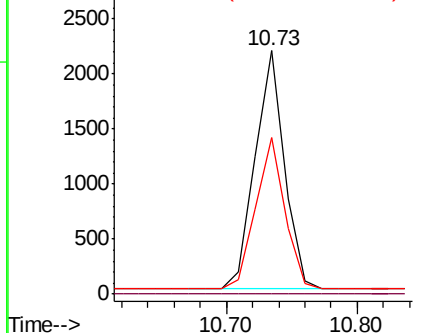
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3358 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 63.3  | 51.9  | 77.9 |

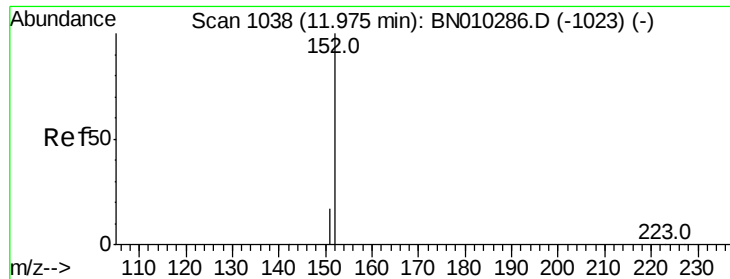


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





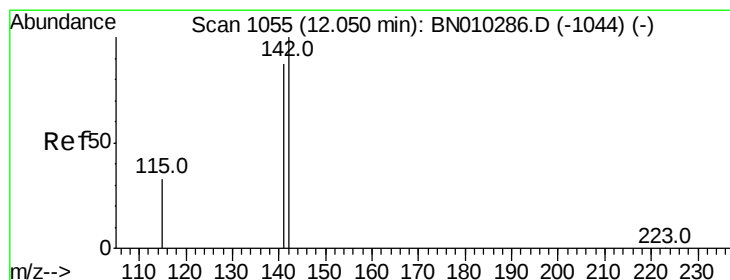
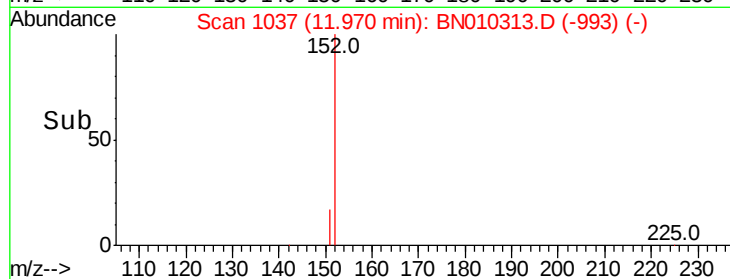
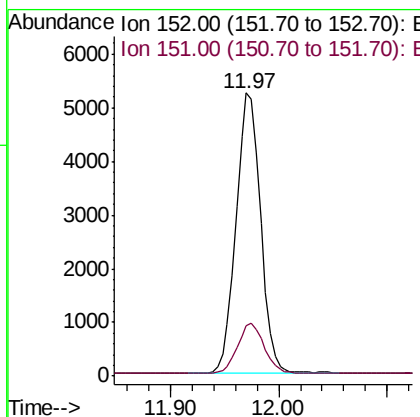
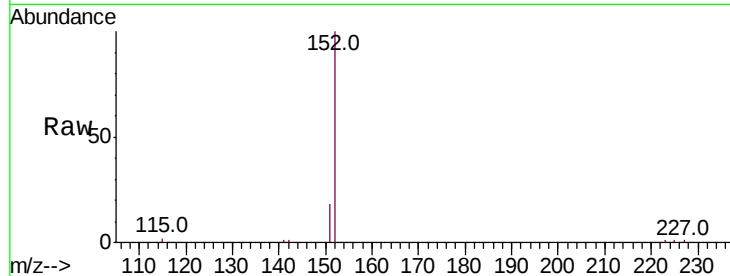
#11  
2-Methylnaphthalene-d10  
Concen: 0.388 ng  
RT: 11.97 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 15.4  | 23.2  |

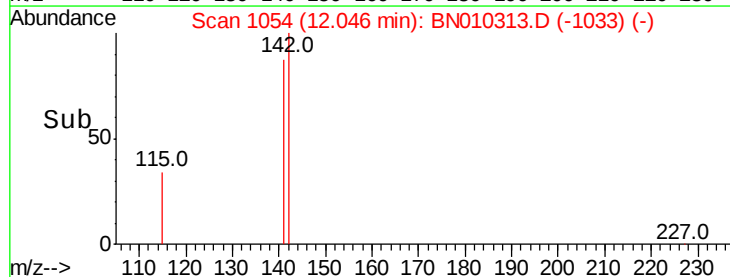
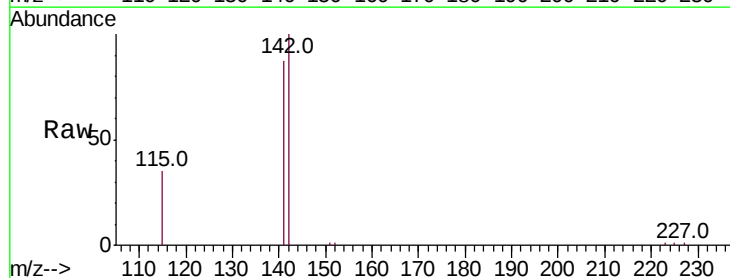
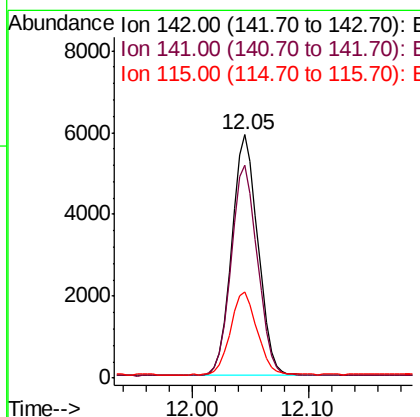
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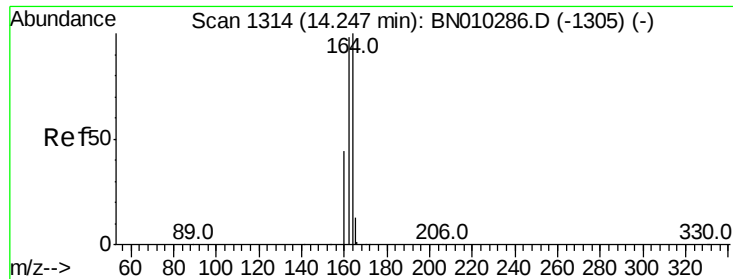
mohammad  
3/23/2020 9:43:01 AM



#12  
2-Methylnaphthalene  
Concen: 0.394 ng  
RT: 12.05 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.4  | 69.5  | 104.3 |
| 115     | 35.2  | 27.5  | 41.3  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:164 Resp: 7910

Ion Ratio Lower Upper

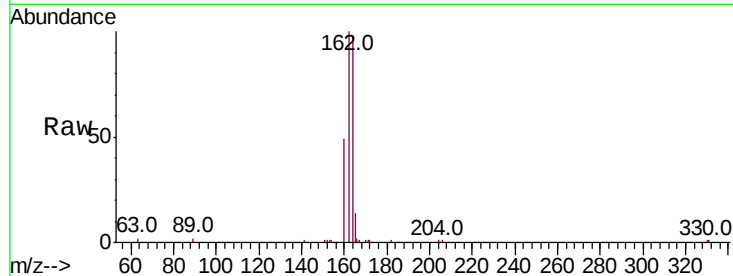
164 100

162 102.3 78.2 117.2

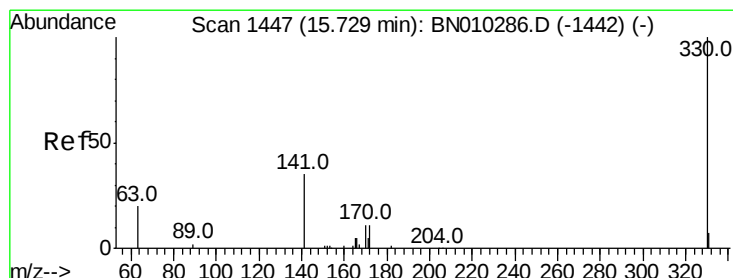
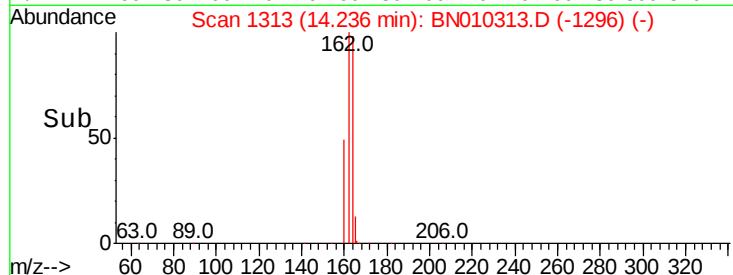
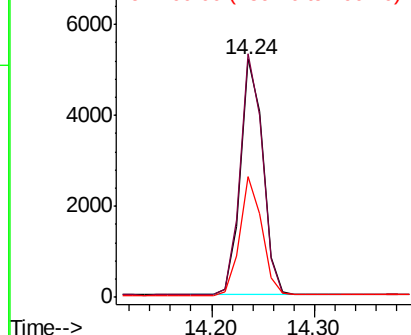
160 50.5 35.8 53.6

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Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.353 ng

RT: 15.73 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

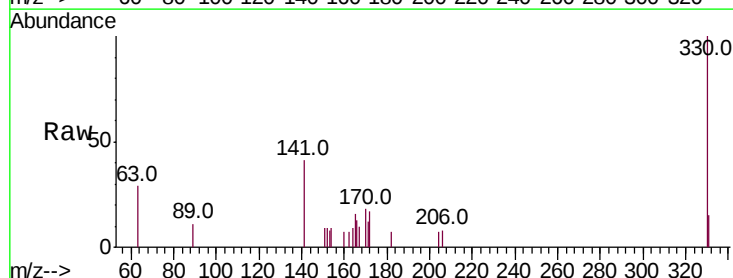
Tgt Ion:330 Resp: 1074

Ion Ratio Lower Upper

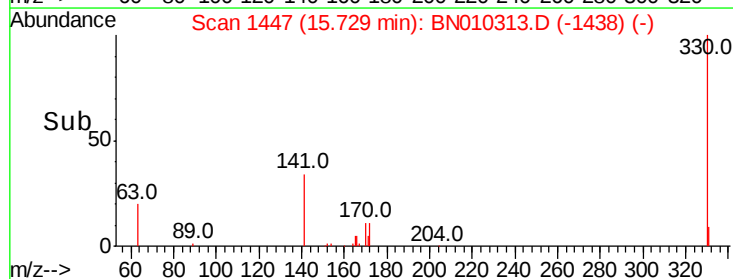
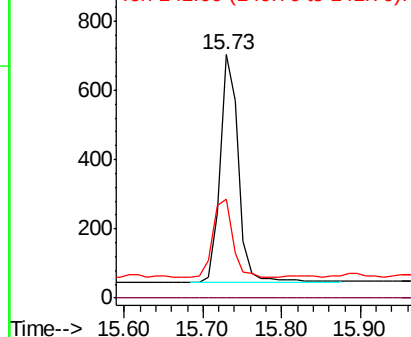
330 100

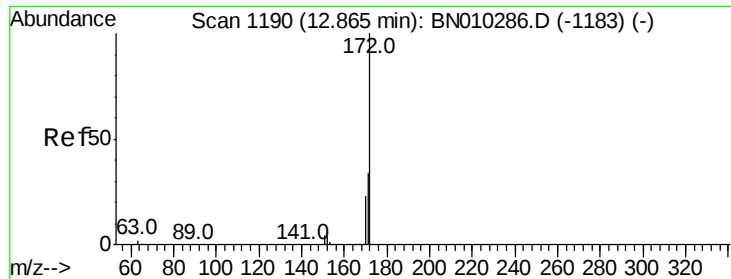
332 0.0 0.0 0.0

141 36.1 29.3 43.9



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





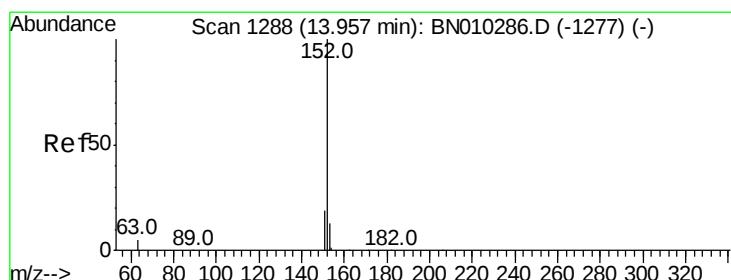
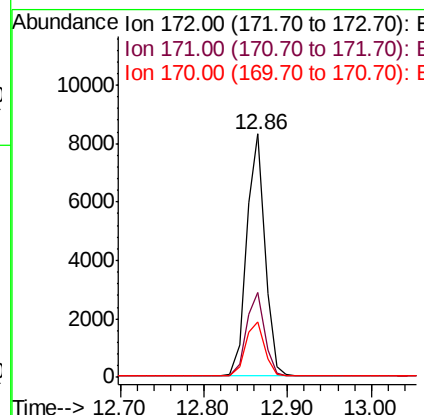
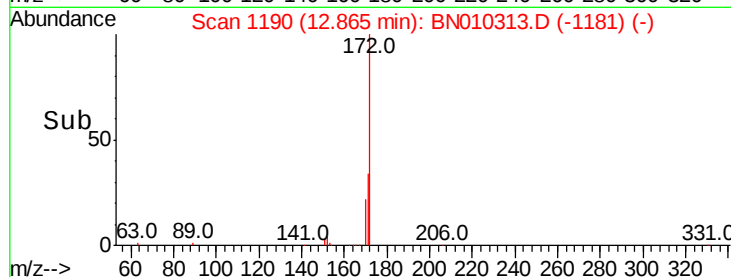
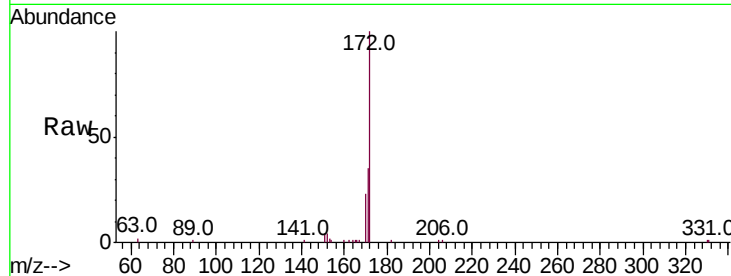
#15  
2-Fluorobiphenyl  
Concen: 0.412 ng  
RT: 12.86 min Scan# 1190  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 172   | Resp: | 12482 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.8  | 27.6  | 41.4  |
| 170       | 22.8  | 18.5  | 27.7  |

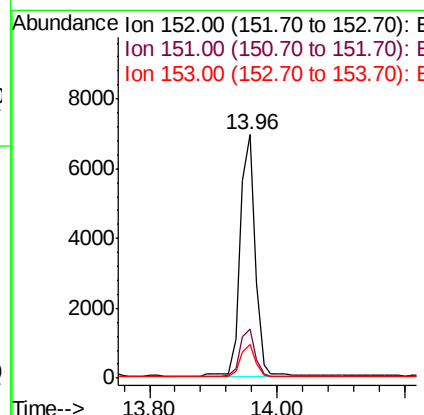
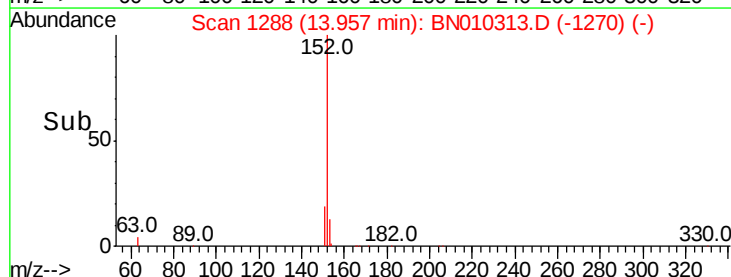
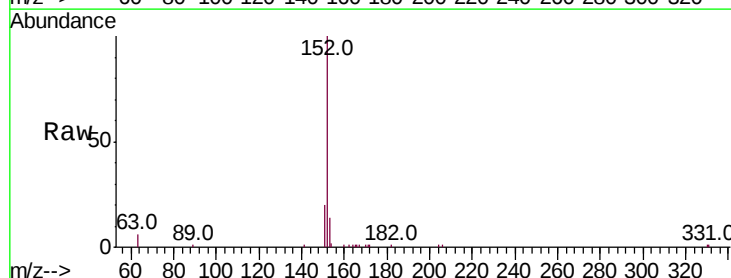
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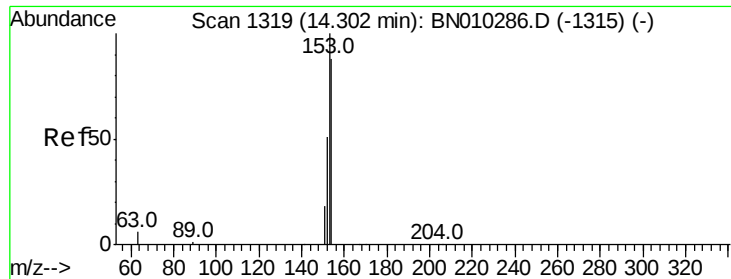
mohammad  
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#16  
Acenaphthylene  
Concen: 0.370 ng  
RT: 13.96 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 11482 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.1  | 15.6  | 23.4  |
| 153       | 12.9  | 10.6  | 15.8  |





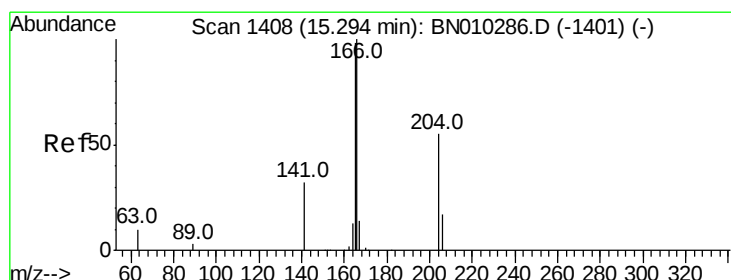
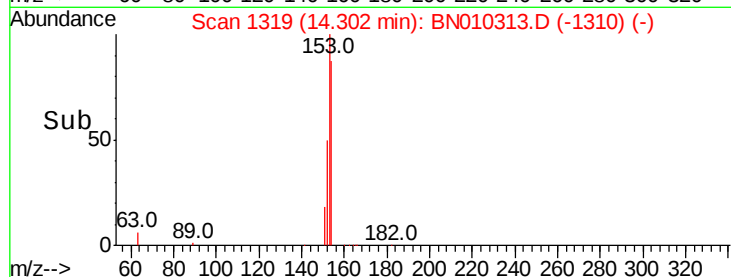
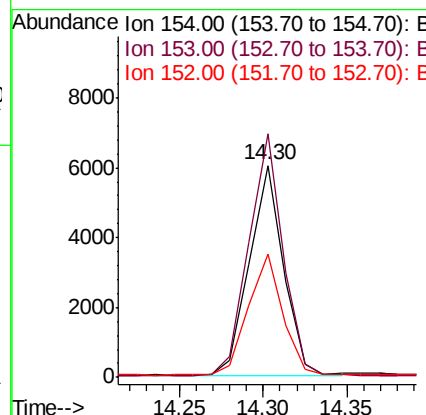
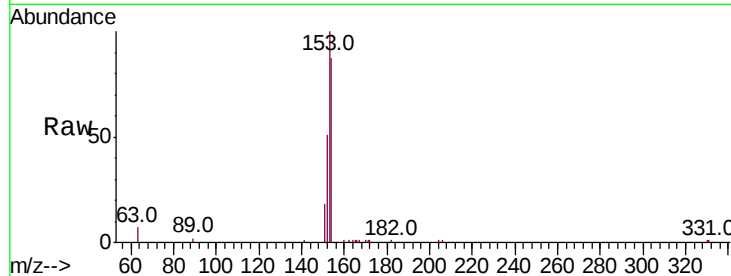
#17  
Acenaphthene  
Concen: 0.385 ng  
RT: 14.30 min Scan# 1319  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.1 | 88.1  | 132.1 |
| 152     | 59.0  | 45.5  | 68.3  |

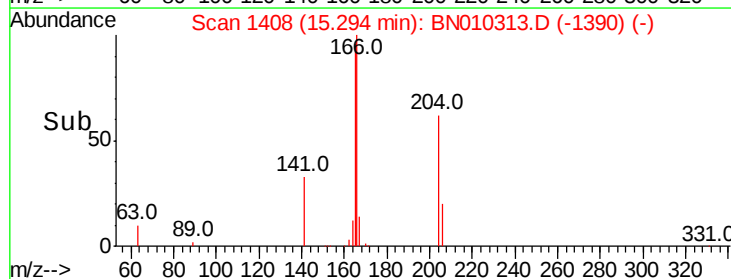
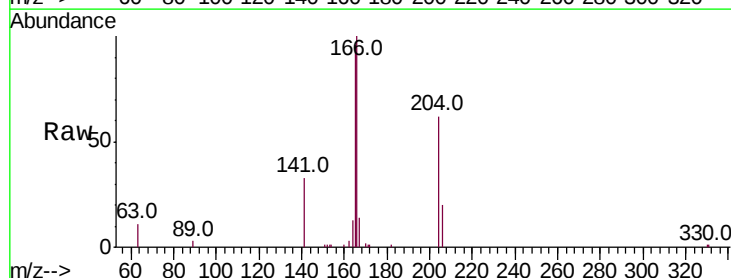
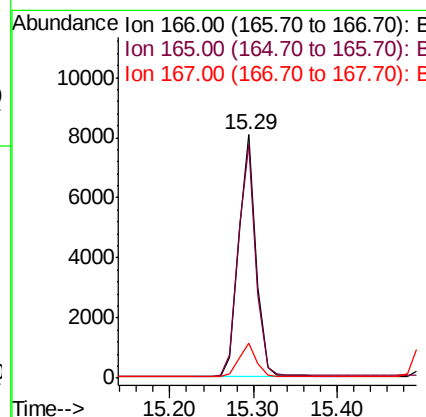
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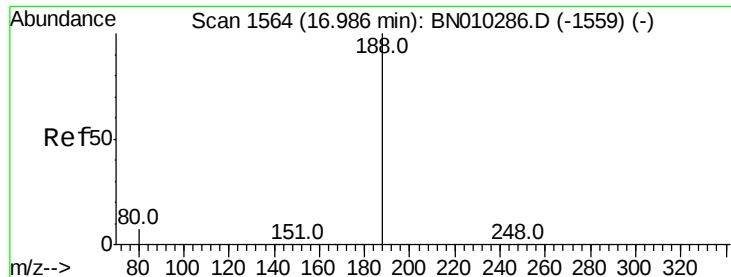
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#18  
Fluorene  
Concen: 0.391 ng  
RT: 15.29 min Scan# 1408  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.0  | 78.7  | 118.1 |
| 167     | 13.5  | 11.0  | 16.4  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN010313.D

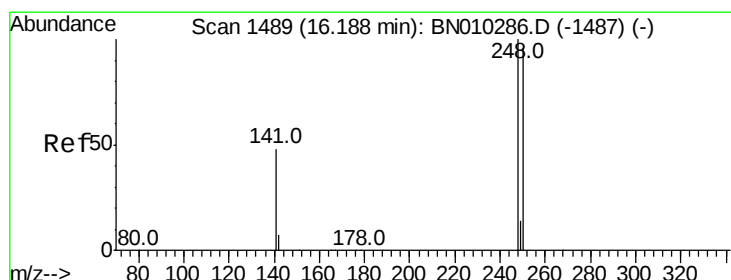
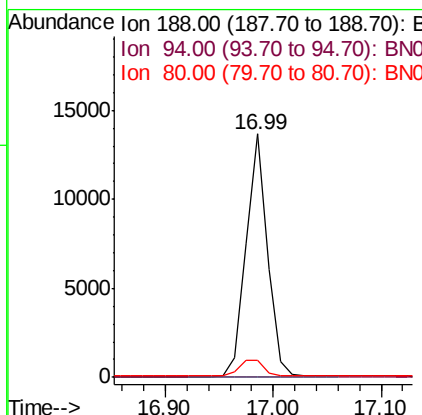
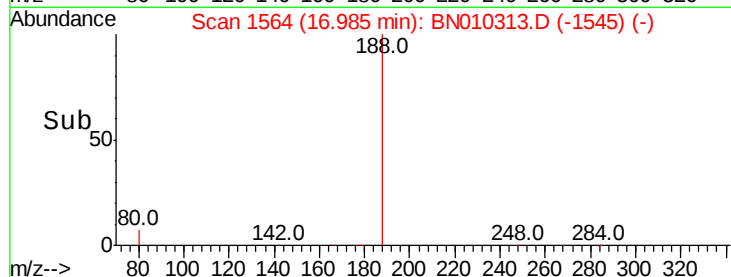
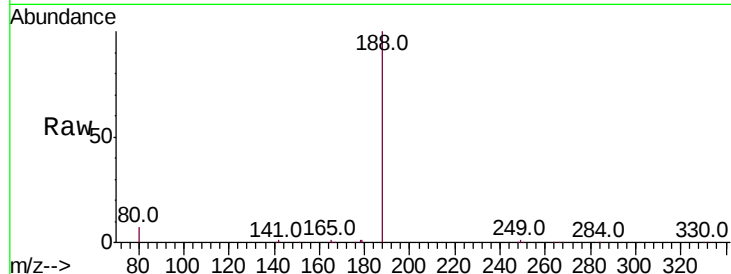
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 0.0   | 0.0        | 0.0   |
| 80      | 7.0   | 6.0        | 9.0   |

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#20

4-Bromophenyl-phenylether

Concen: 0.391 ng

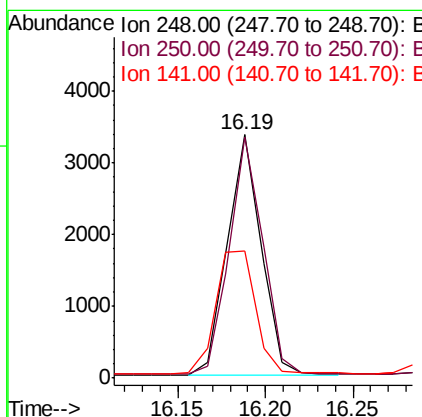
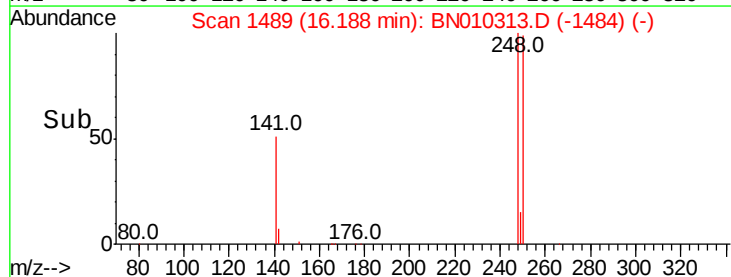
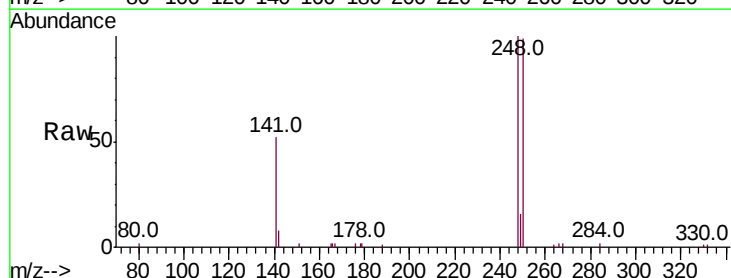
RT: 16.19 min Scan# 1489

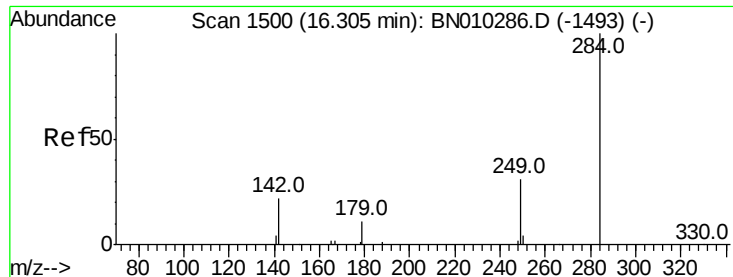
Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 248     | 100   |            |       |
| 250     | 99.0  | 76.8       | 115.2 |
| 141     | 52.4  | 44.4       | 66.6  |





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.31 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

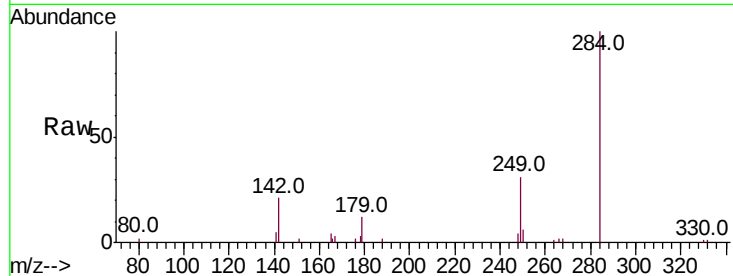
ClientSampleId :

SSTDCCC0.4

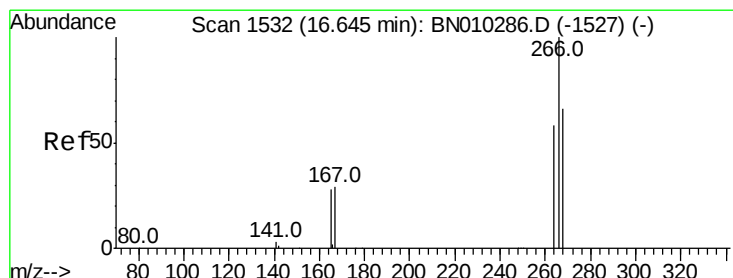
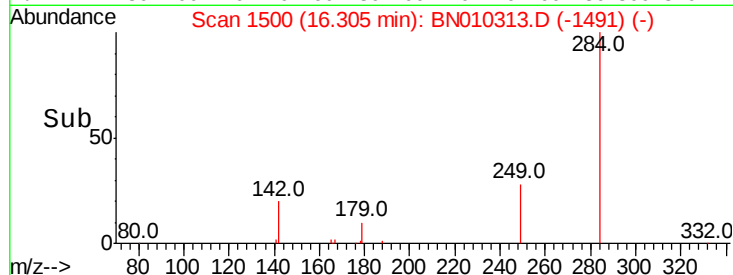
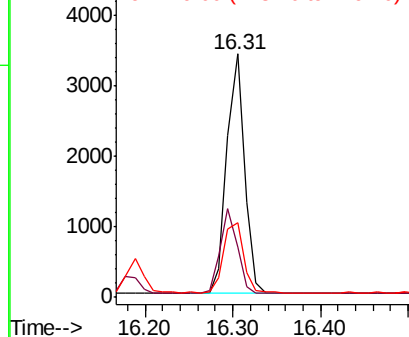
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 4765 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 34.8  | 27.4  | 41.2 |
| 249       | 32.6  | 26.5  | 39.7 |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.337 ng

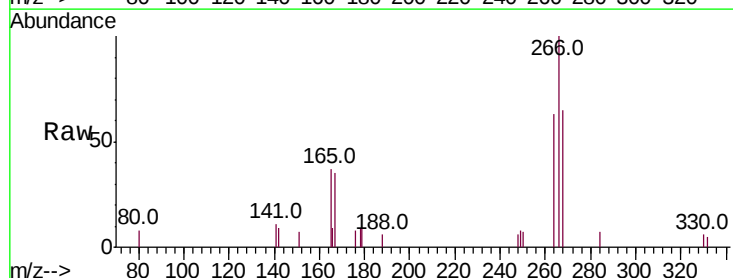
RT: 16.65 min Scan# 1532

Delta R.T. -0.00 min

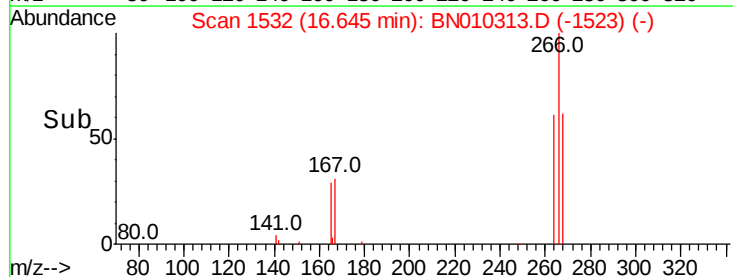
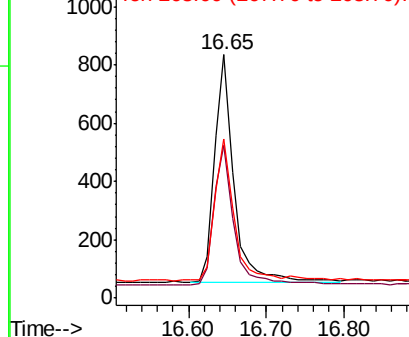
Lab File: BN010313.D

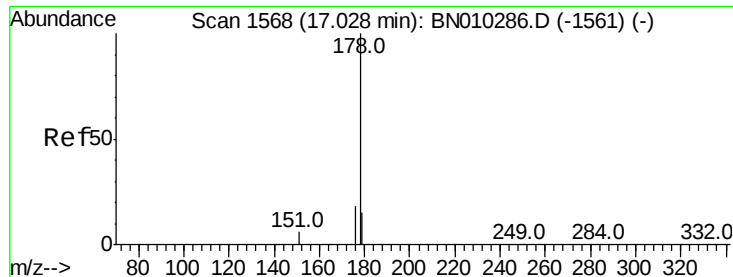
Acq: 20 Mar 2020 21:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1340 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.8  | 47.7  | 71.5 |
| 268       | 65.3  | 54.9  | 82.3 |



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





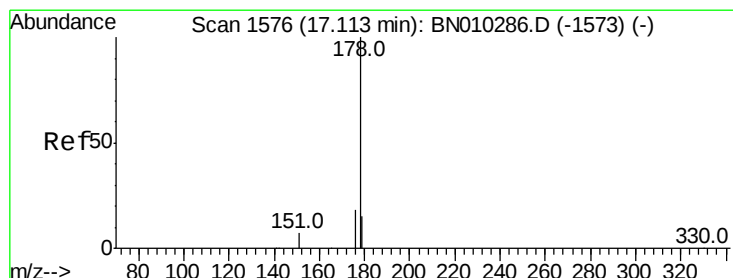
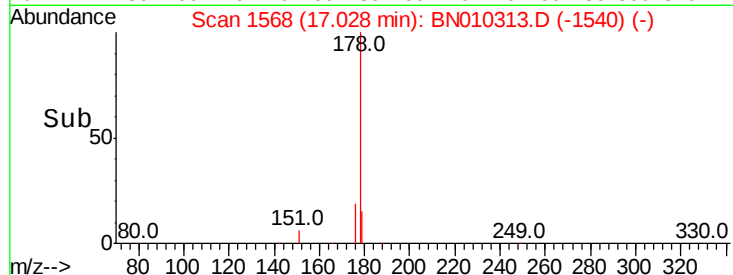
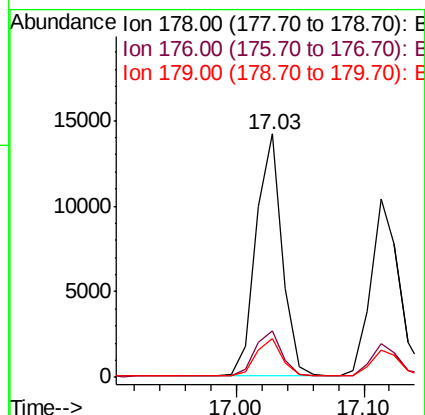
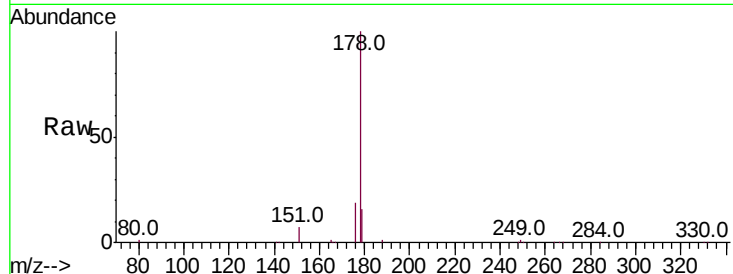
#23  
Phenanthrene  
Concen: 0.395 ng  
RT: 17.03 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.0  | 22.4  |
| 179     | 15.5  | 12.4  | 18.6  |

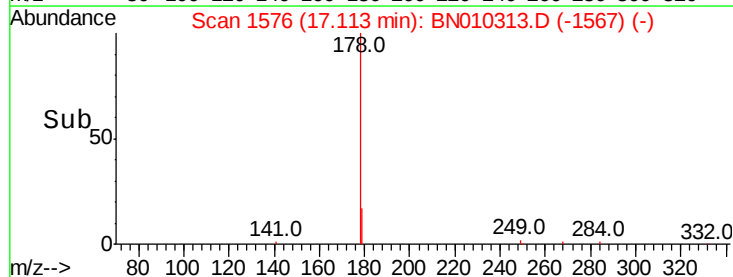
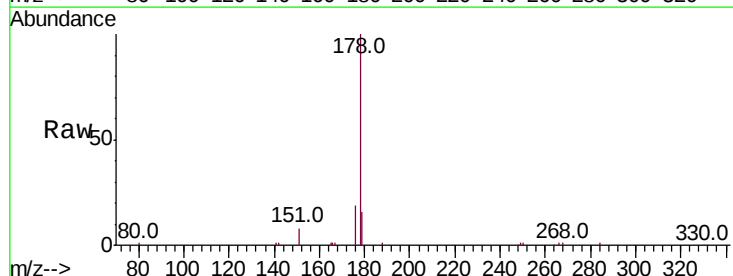
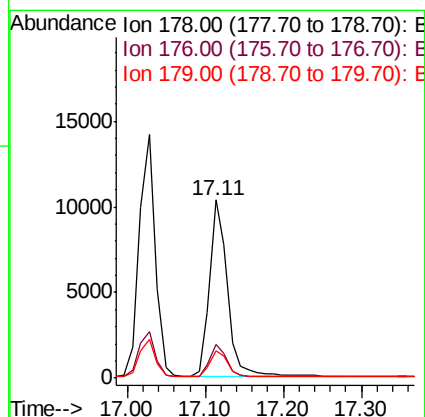
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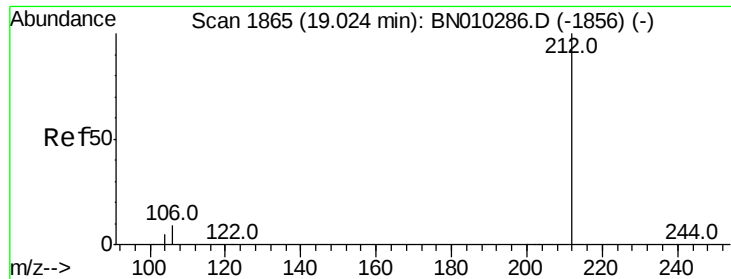
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#24  
Anthracene  
Concen: 0.370 ng  
RT: 17.11 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 14.5  | 21.7  |
| 179     | 15.3  | 12.3  | 18.5  |





#25

Fluoranthene-d10

Concen: 0.378 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

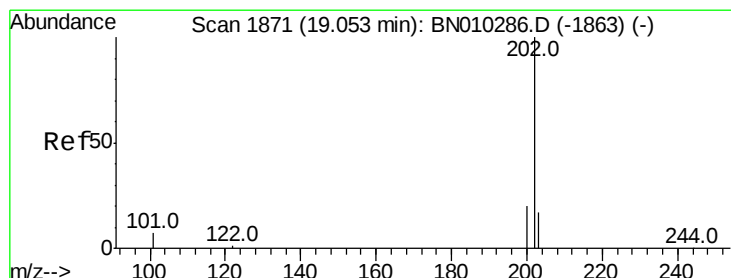
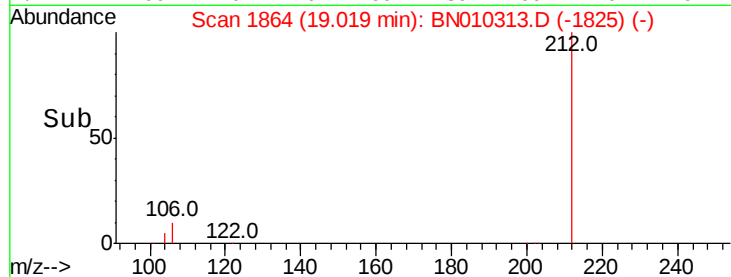
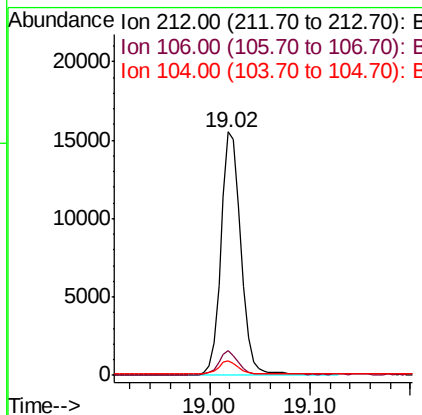
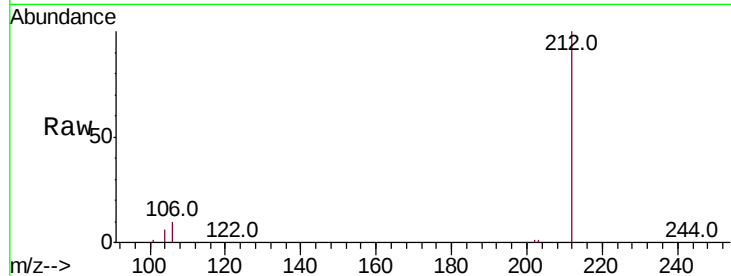
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 21274 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 9.2   | 7.4   | 11.2  |
| 104       | 5.2   | 4.2   | 6.4   |

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#26

Fluoranthene

Concen: 0.389 ng

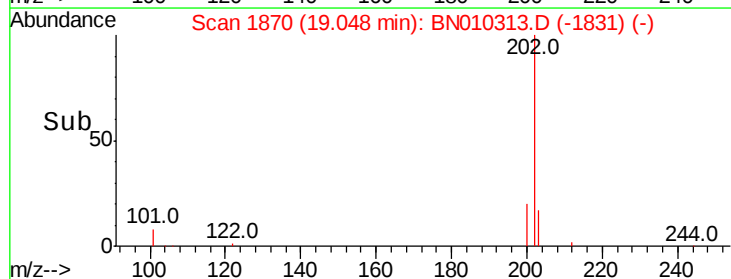
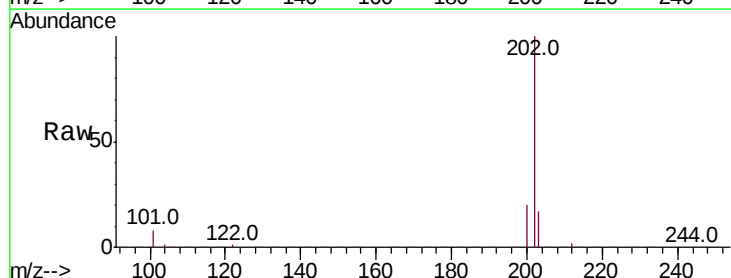
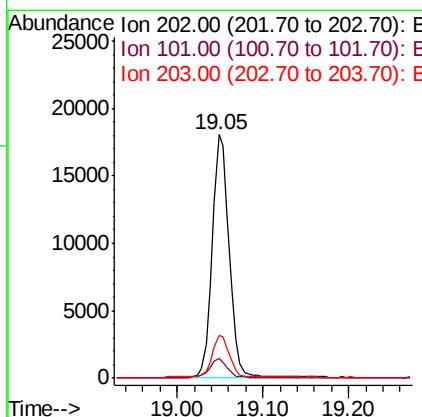
RT: 19.05 min Scan# 1870

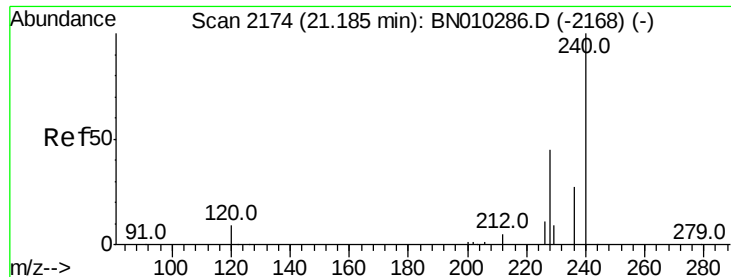
Delta R.T. -0.00 min

Lab File: BN010313.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 24438 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.9   | 6.6   | 9.8   |
| 203       | 17.1  | 13.8  | 20.8  |





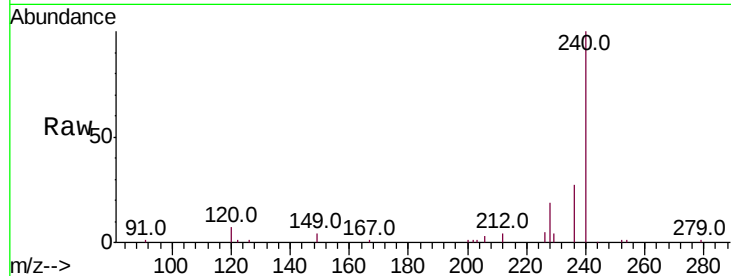
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.19 min Scan# 2174  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.6   | 7.9   | 11.9# |
| 236     | 26.8  | 22.2  | 33.4  |

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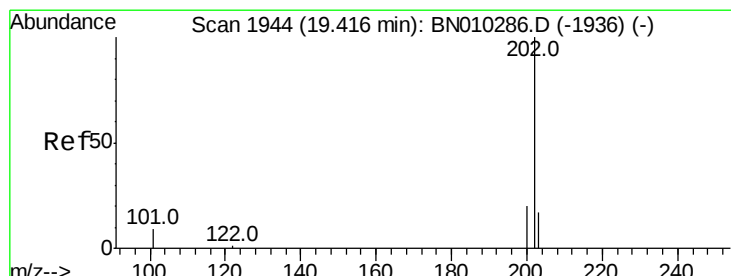
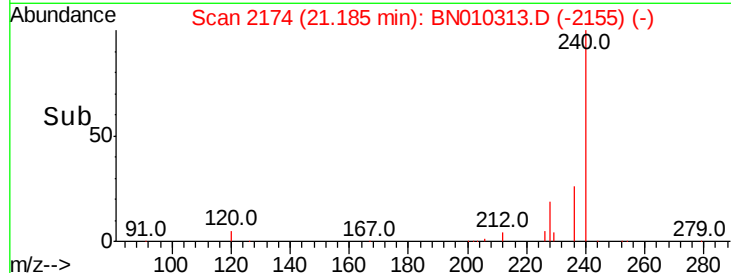
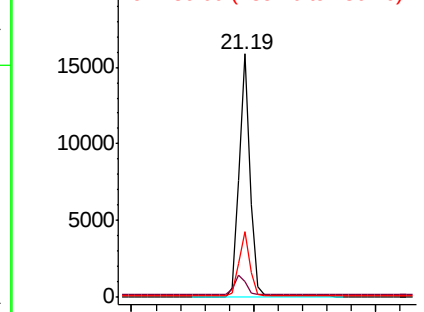


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28  
Pyrene  
Concen: 0.393 ng  
RT: 19.42 min Scan# 1944  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

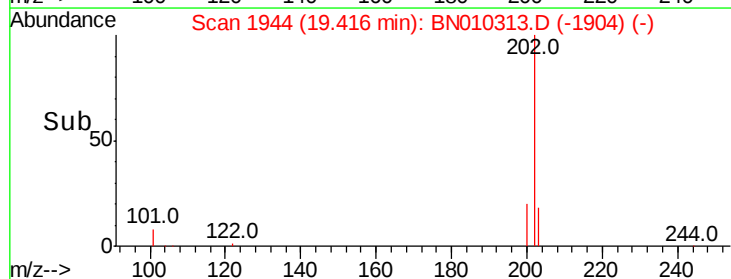
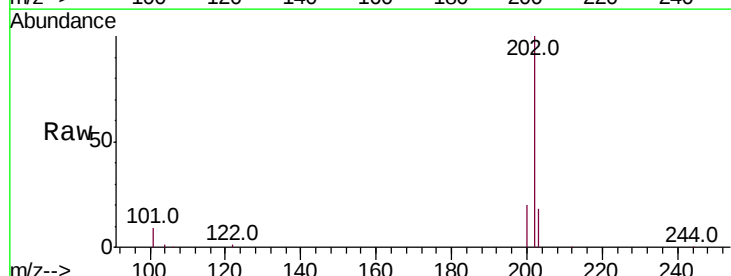
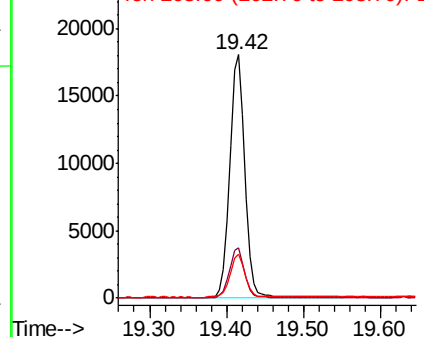
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 16.2  | 24.4  |
| 203     | 17.6  | 14.2  | 21.2  |

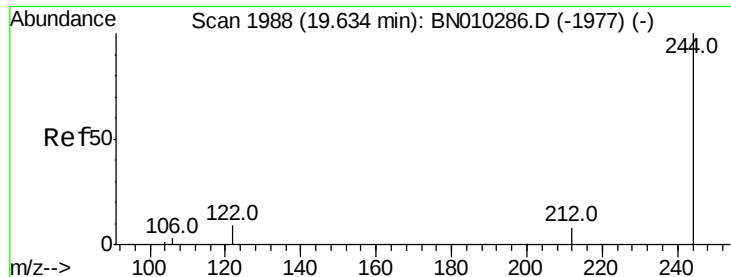
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.403 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

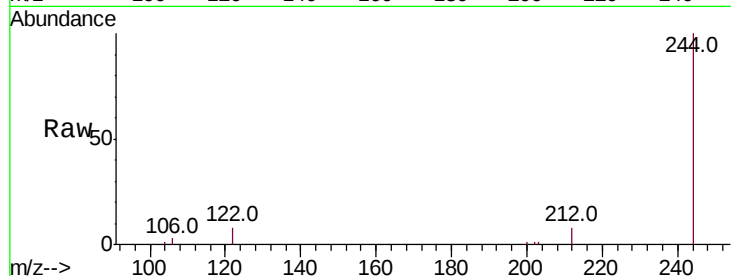
ClientSampleId :

SSTDCCC0.4

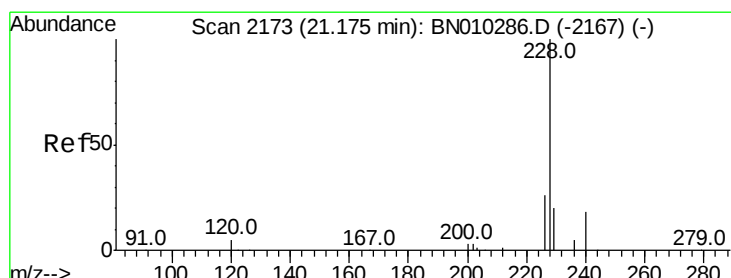
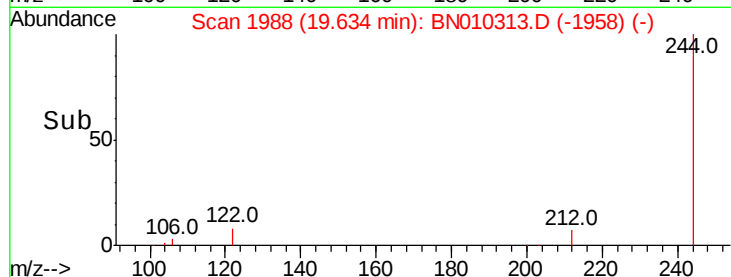
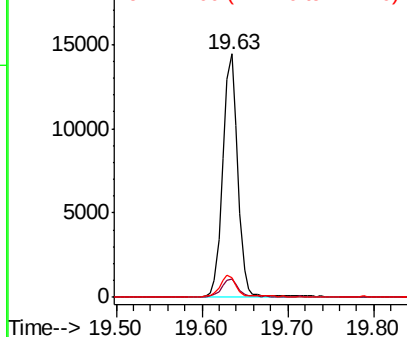
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 17283 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.6   | 6.3   | 9.5   |
| 122       | 8.3   | 7.6   | 11.4  |

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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.373 ng

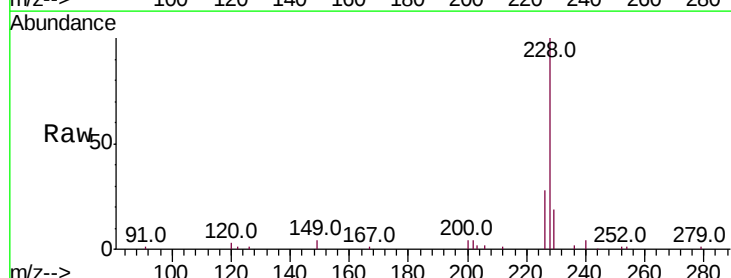
RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

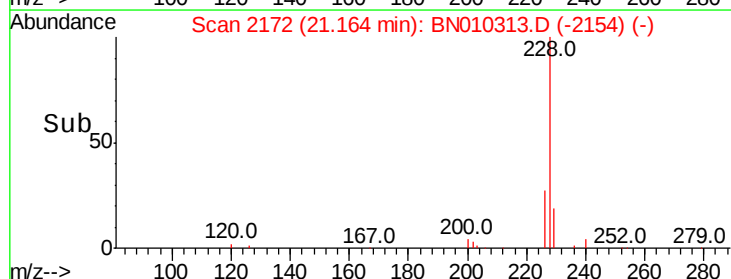
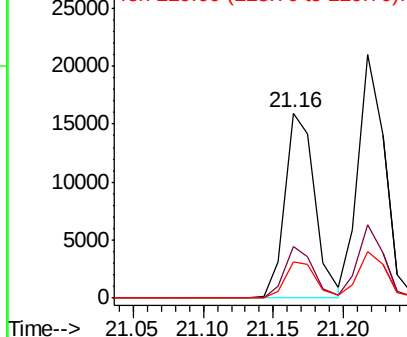
Lab File: BN010313.D

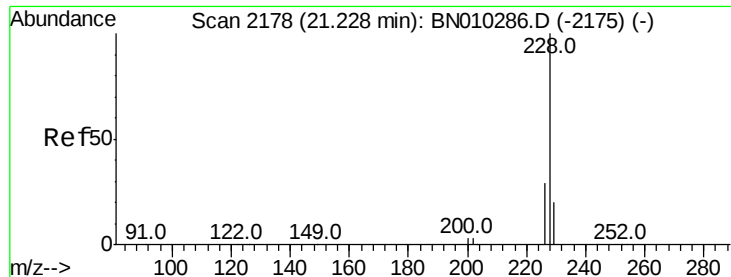
Acq: 20 Mar 2020 21:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 23560 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 27.6  | 21.0  | 31.4  |
| 229       | 19.4  | 16.0  | 24.0  |



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





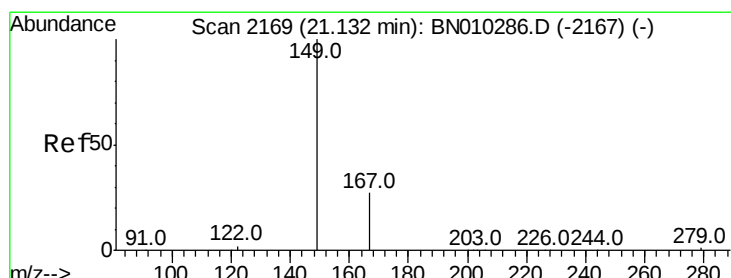
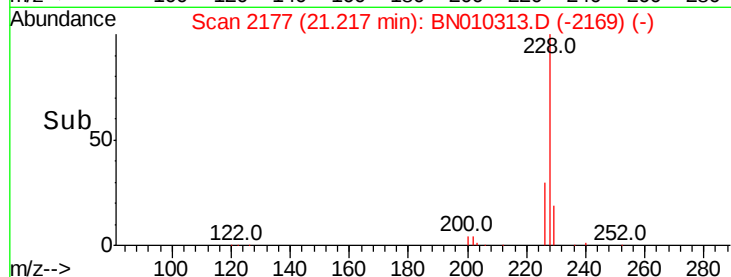
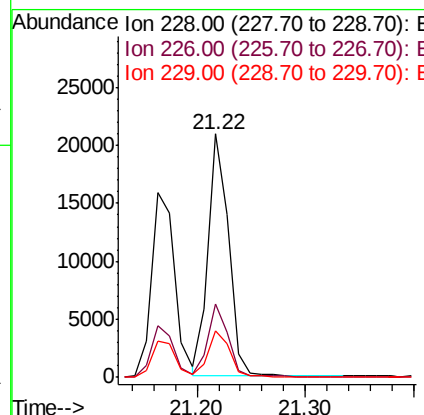
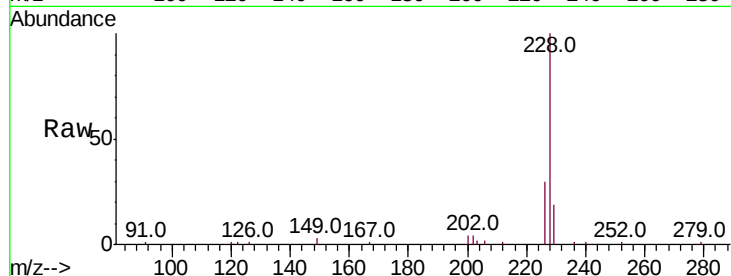
#31  
Chrysene  
Concen: 0.406 ng  
RT: 21.22 min Scan# 2177  
Delta R.T. -0.01 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 23.0  | 34.6  |
| 229     | 19.3  | 16.0  | 24.0  |

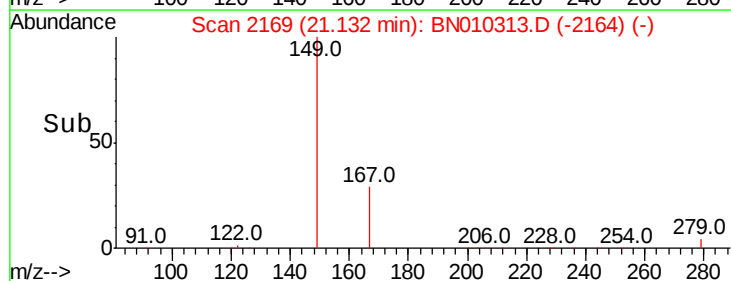
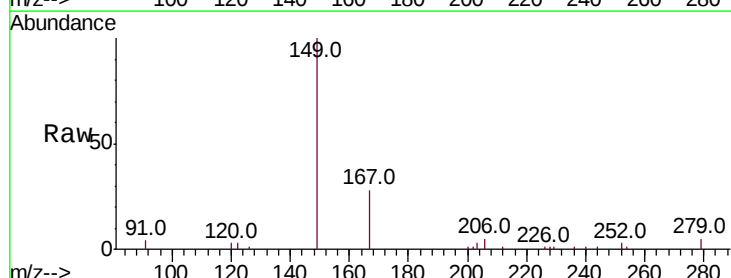
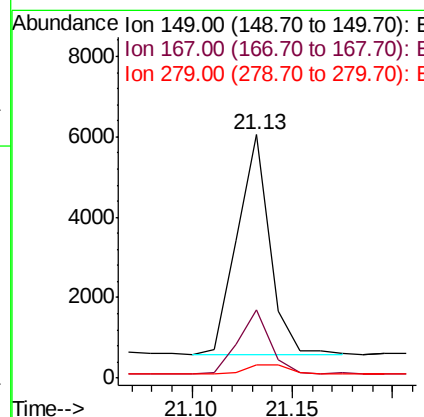
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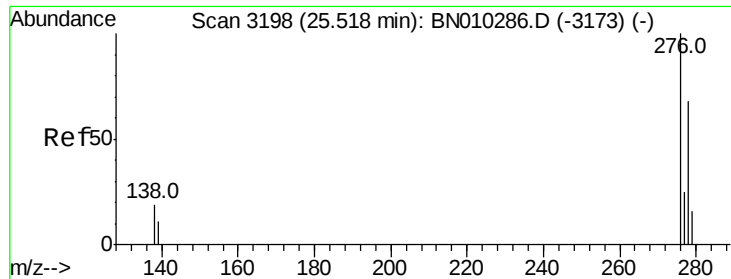
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.289 ng  
RT: 21.13 min Scan# 2169  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.2  | 23.0  | 34.6  |
| 279     | 5.2   | 3.8   | 5.8   |





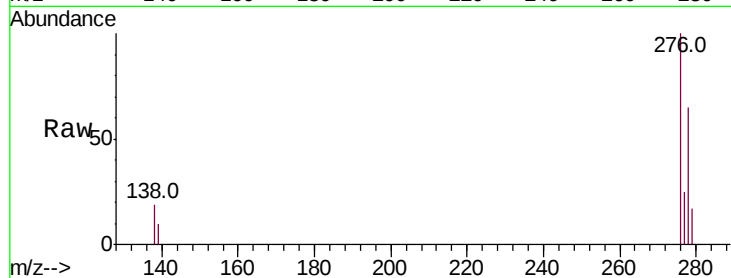
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.411 ng  
RT: 25.51 min Scan# 3195  
Delta R.T. -0.01 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

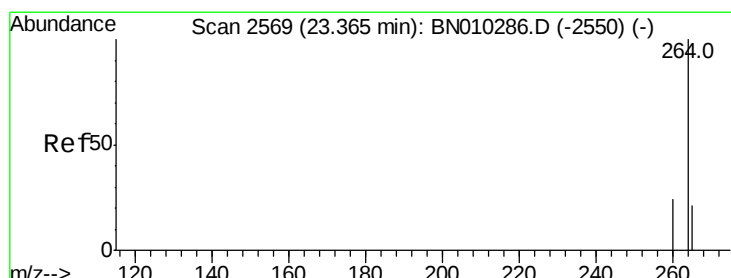
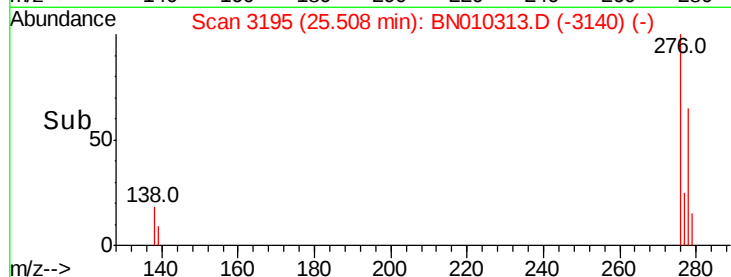
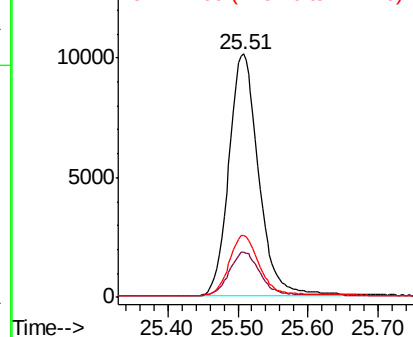
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.6  | 15.6  | 23.4  |
| 277     | 25.0  | 20.1  | 30.1  |

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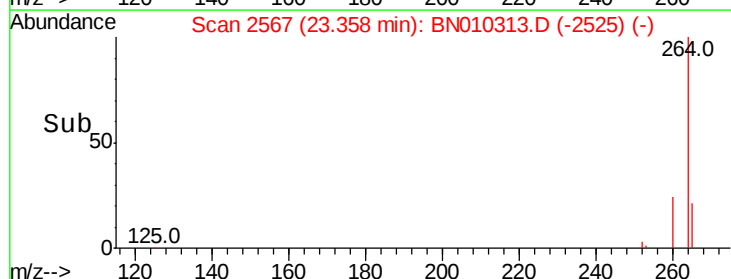
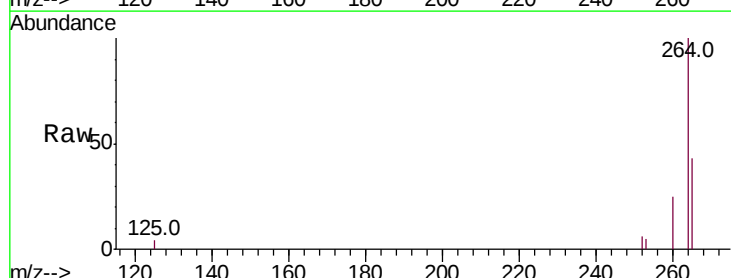
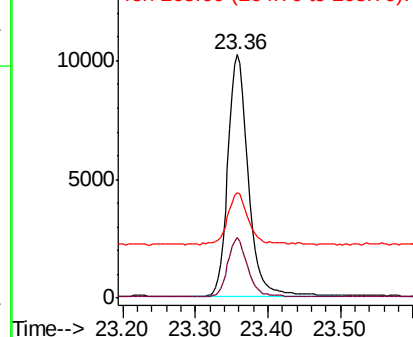
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

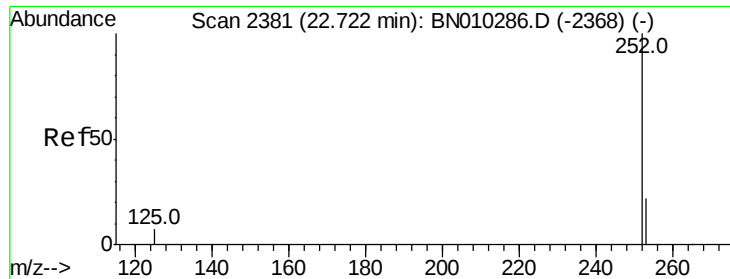


#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.36 min Scan# 2567  
Delta R.T. -0.01 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.5  | 29.3  |
| 265     | 43.3  | 32.4  | 48.6  |

Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





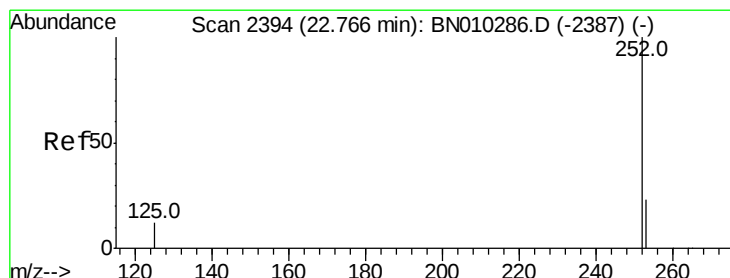
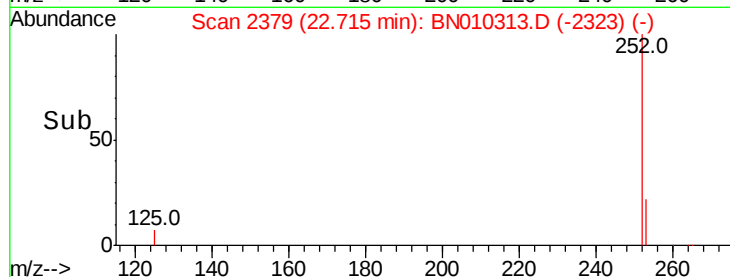
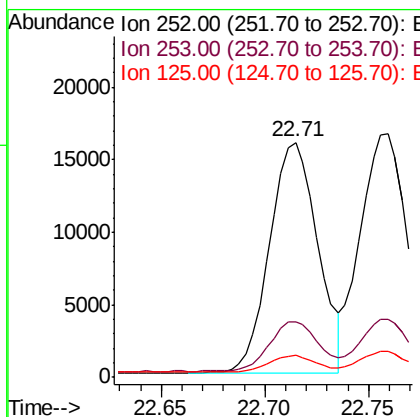
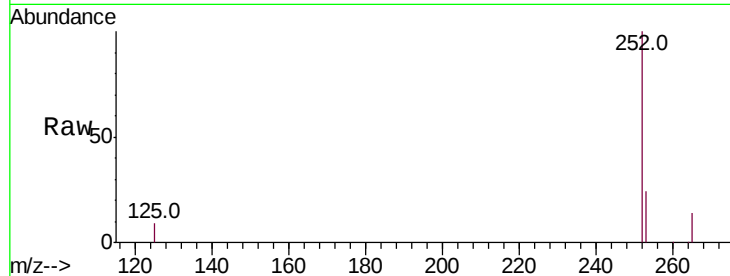
#35  
Benzo(b)fluoranthene  
Concen: 0.378 ng  
RT: 22.71 min Scan# 2379  
Delta R.T. -0.01 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 19.2  | 28.8  |
| 125     | 9.4   | 7.4   | 11.0  |

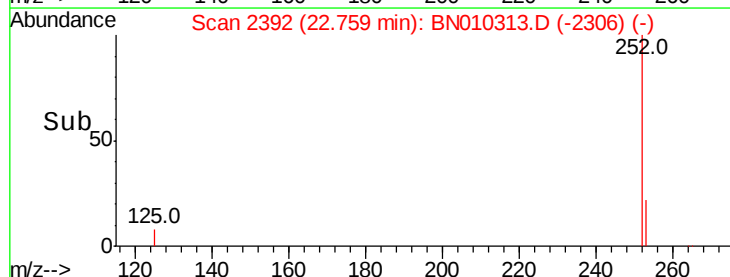
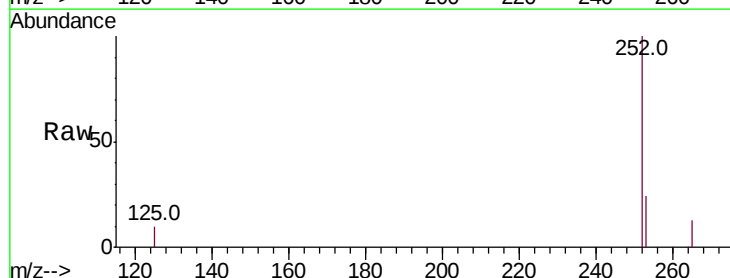
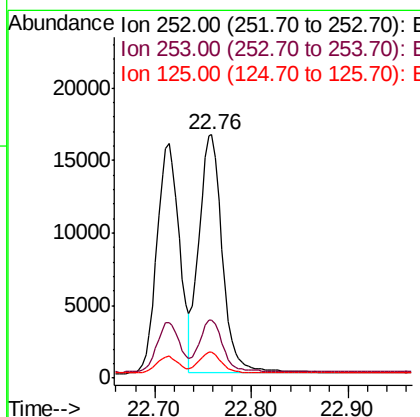
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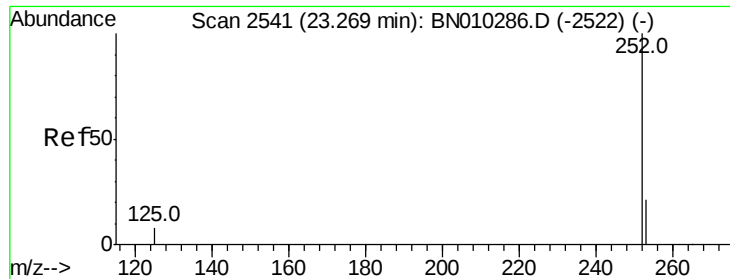
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#36  
Benzo(k)fluoranthene  
Concen: 0.398 ng  
RT: 22.76 min Scan# 2392  
Delta R.T. -0.01 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 19.4  | 29.0  |
| 125     | 10.4  | 10.2  | 15.2  |





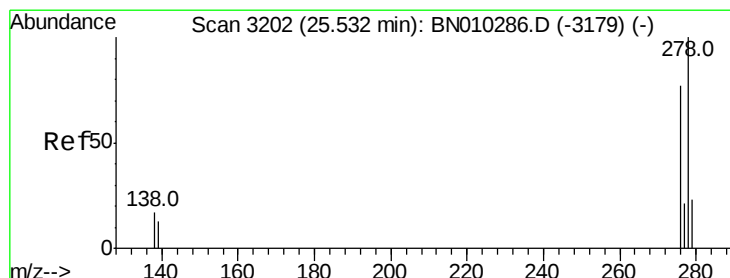
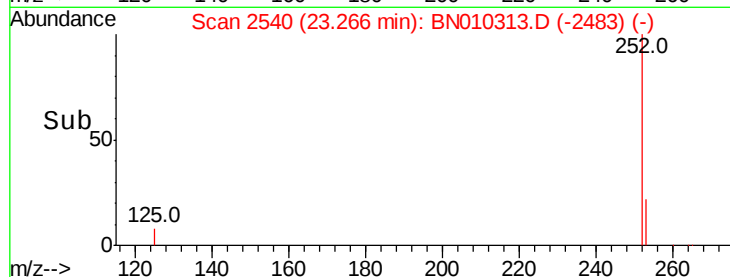
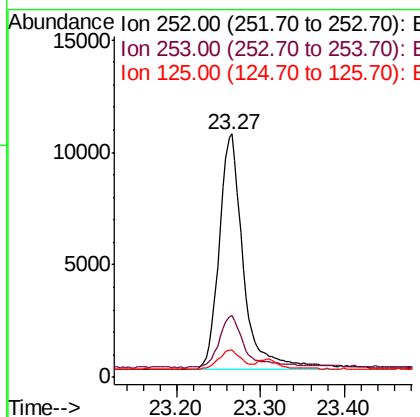
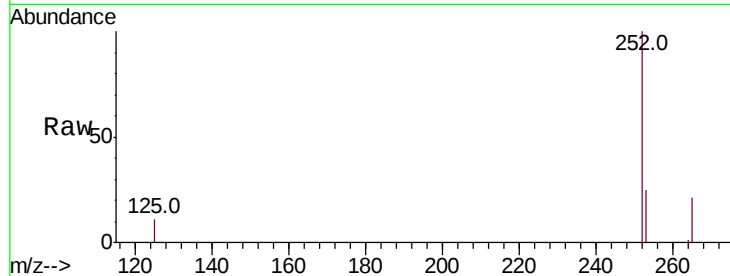
#37  
Benzo(a)pyrene  
Concen: 0.372 ng  
RT: 23.27 min Scan# 2540  
Delta R.T. -0.00 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.4  | 19.9  | 29.9  |
| 125     | 11.3  | 8.9   | 13.3  |

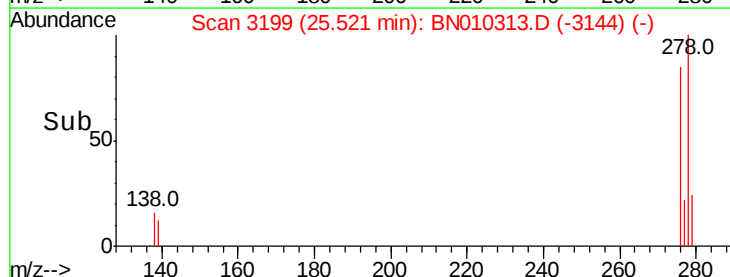
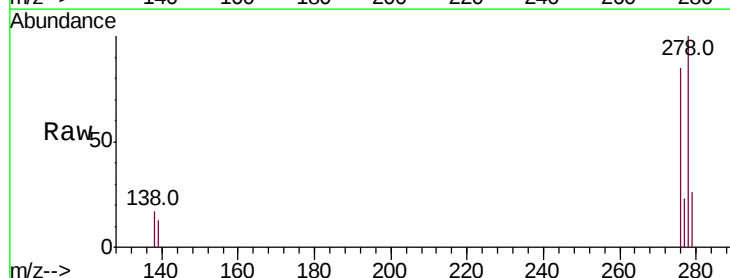
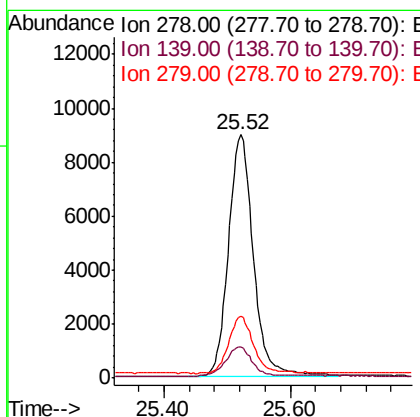
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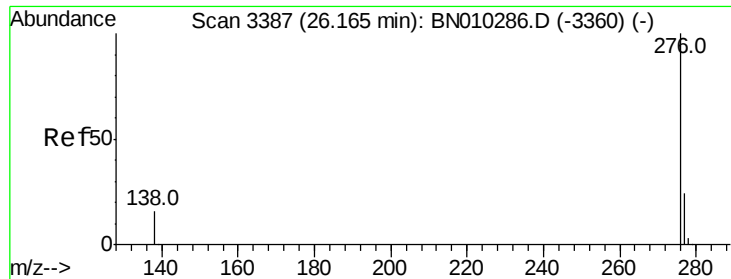
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.397 ng  
RT: 25.52 min Scan# 3199  
Delta R.T. -0.01 min  
Lab File: BN010313.D  
Acq: 20 Mar 2020 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.0  | 10.6  | 16.0  |
| 279     | 25.5  | 19.8  | 29.6  |





#39

Benzo(a,h,i)perylene

Concen: 0.388 ng

RT: 26.15 min Scan# 3384

Delta R.T. -0.01 min

Lab File: BN010313.D

Acq: 20 Mar 2020 21:31

Instrument :

BNA\_N

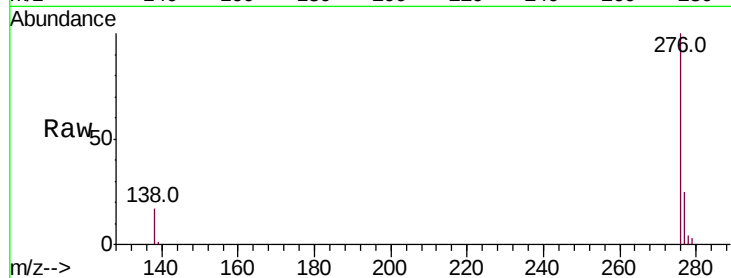
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 24116 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.8  | 19.6  | 29.4  |
| 138       | 16.8  | 13.3  | 19.9  |

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

