

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\  
 Data File : BN010305.D  
 Acq On : 20 Mar 2020 10:28  
 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 9:42:58 AM

Quant Time: Mar 20 11:52:55 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  | 5626     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 19696    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.24 | 164  | 11633    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.98 | 188  | 27402    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.19 | 240  | 29936    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.36 | 264  | 28247    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.25  | 112 | 4290  | 0.39 | ng | 0.00 |
| 5) Phenol-d6                | 6.80  | 99  | 5347  | 0.39 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.75  | 82  | 4796  | 0.38 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 12260 | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.74 | 330 | 1558  | 0.35 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 17906 | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.02 | 212 | 32083 | 0.39 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.63 | 244 | 25313 | 0.39 | ng | 0.00 |

|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.26  | 88  | 2082  | 0.394 | ng     | 97   |
| 3) n-Nitrosodimethylamine      | 3.56  | 42  | 1555  | 0.348 | ng     | 98   |
| 6) bis(2-Chloroethyl)ether     | 7.06  | 93  | 5490  | 0.413 | ng     | 100  |
| 9) Naphthalene                 | 10.43 | 128 | 19375 | 0.394 | ng     | 100  |
| 10) Hexachlorobutadiene        | 10.73 | 225 | 4670  | 0.392 | ng     | # 99 |
| 12) 2-Methylnaphthalene        | 12.05 | 142 | 13283 | 0.390 | ng     | 99   |
| 16) Acenaphthylene             | 13.95 | 152 | 17373 | 0.381 | ng     | 100  |
| 17) Acenaphthene               | 14.30 | 154 | 12683 | 0.390 | ng     | 99   |
| 18) Fluorene                   | 15.29 | 166 | 16963 | 0.393 | ng     | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.18 | 248 | 6538  | 0.393 | ng     | 95   |
| 21) Hexachlorobenzene          | 16.30 | 284 | 6868  | 0.402 | ng     | 99   |
| 22) Pentachlorophenol          | 16.64 | 266 | 1948  | 0.333 | ng     | 96   |
| 23) Phenanthrene               | 17.02 | 178 | 29779 | 0.395 | ng     | 100  |
| 24) Anthracene                 | 17.12 | 178 | 24089 | 0.374 | ng     | 100  |
| 26) Fluoranthene               | 19.05 | 202 | 36282 | 0.393 | ng     | 100  |
| 28) Pyrene                     | 19.41 | 202 | 35969 | 0.386 | ng     | 100  |
| 30) Benzo(a)anthracene         | 21.17 | 228 | 36708 | 0.385 | ng     | 98   |
| 31) Chrysene                   | 21.22 | 228 | 40803 | 0.399 | ng     | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 10153 | 0.316 | ng     | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.51 | 276 | 40713 | 0.372 | ng     | 99   |
| 35) Benzo(b)fluoranthene       | 22.72 | 252 | 37473 | 0.390 | ng     | 98   |
| 36) Benzo(k)fluoranthene       | 22.76 | 252 | 38639 | 0.396 | ng     | # 95 |
| 37) Benzo(a)pyrene             | 23.27 | 252 | 31519 | 0.389 | ng     | 98   |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278 | 33555 | 0.383 | ng     | 98   |
| 39) Benzo(g,h,i)perylene       | 26.16 | 276 | 34538 | 0.392 | ng     | 99   |

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

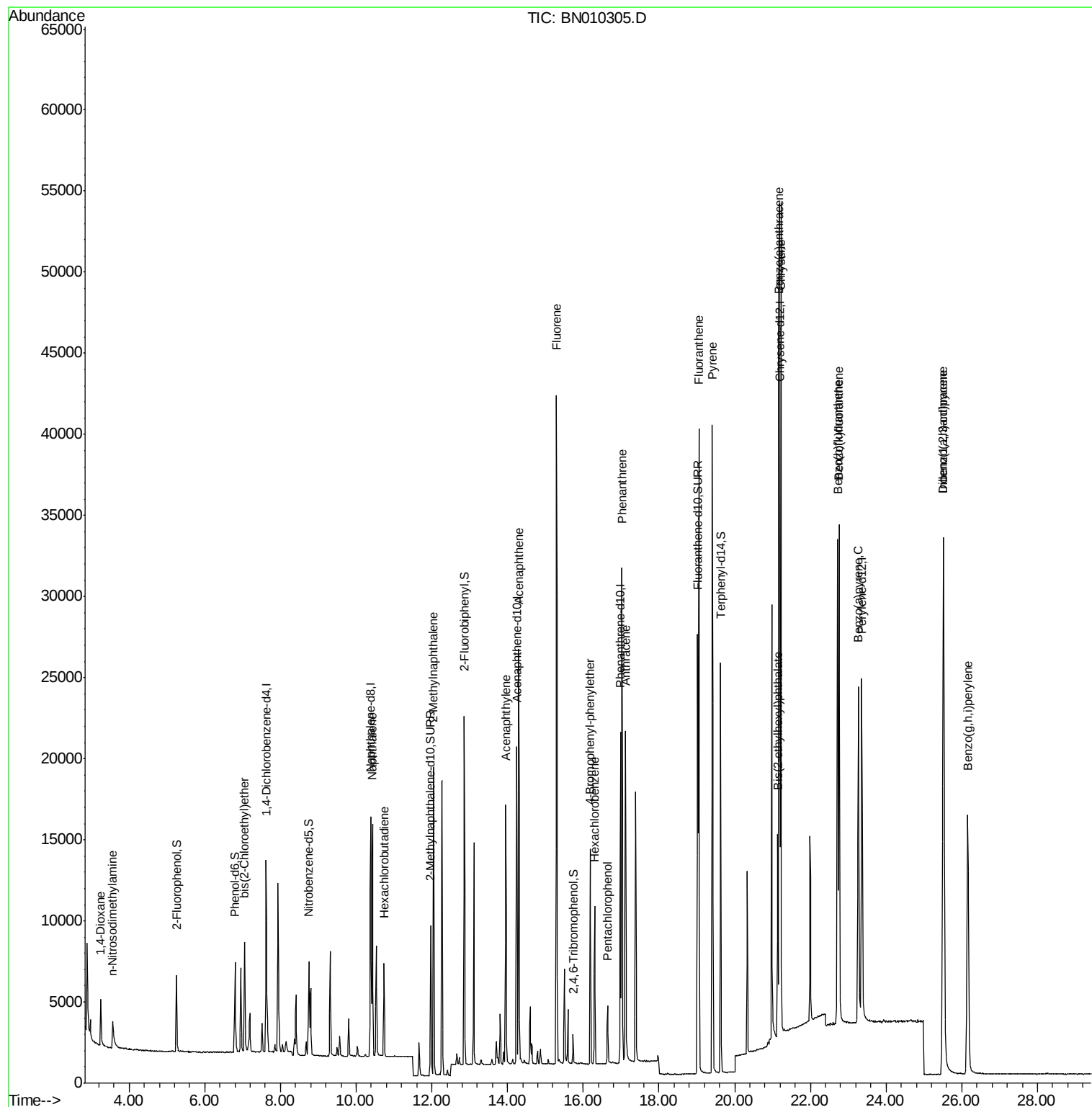
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\  
Data File : BN010305.D  
Acq On : 20 Mar 2020 10:28  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

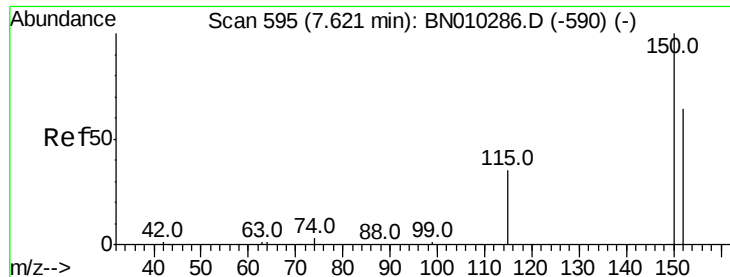
Instrument :  
BNA\_N  
ClientSampleID :  
SSTDCCC0.4

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Quant Time: Mar 20 11:52:55 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. 0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

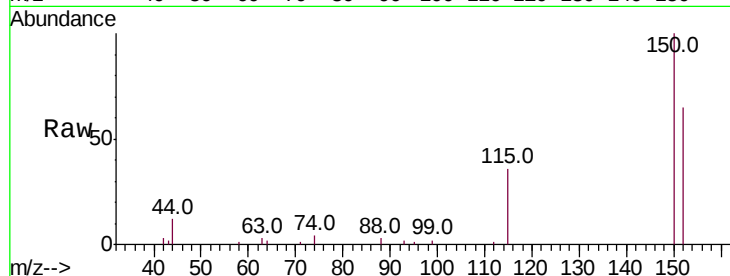
ClientSampleId :

SSTDCCC0.4

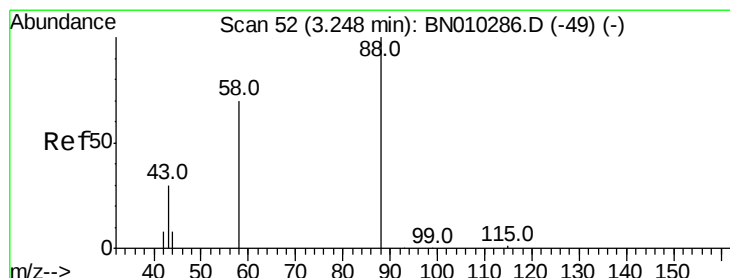
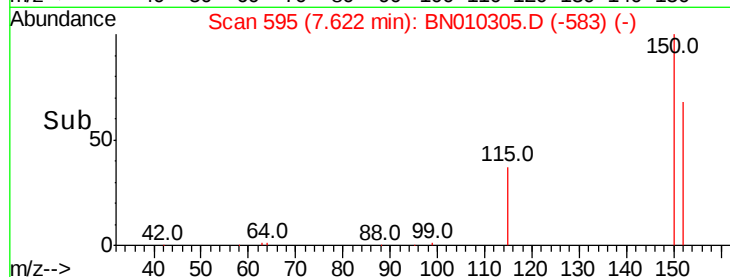
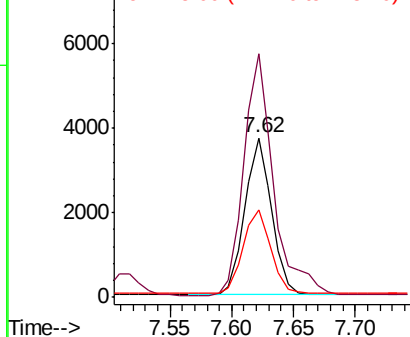
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 5626  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 152.8 | 123.1 | 184.7 |
| 115      | 55.3  | 45.2  | 67.8  |

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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: 0.394 ng

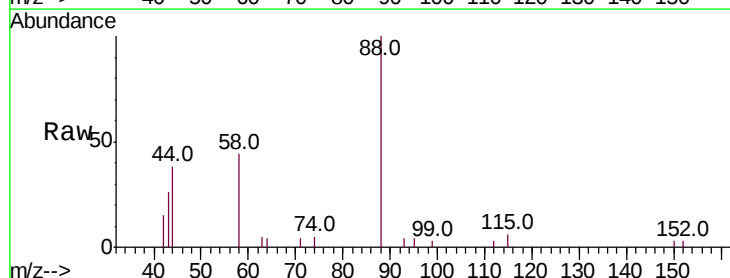
RT: 3.26 min Scan# 53

Delta R.T. 0.01 min

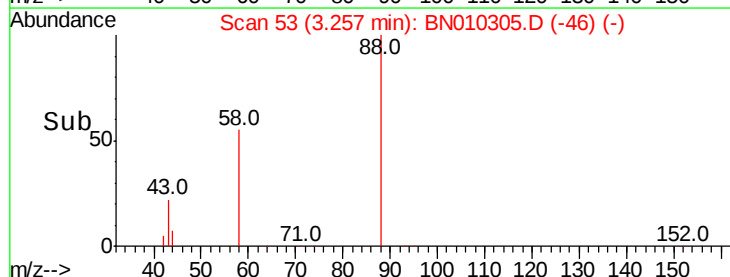
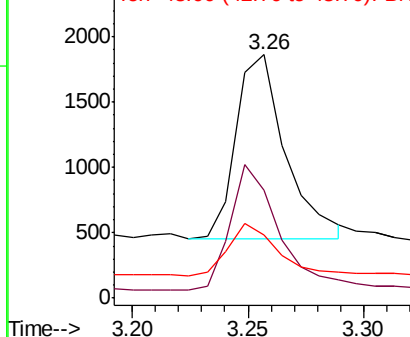
Lab File: BN010305.D

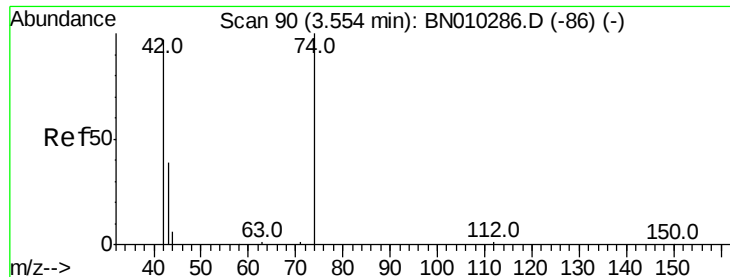
Acq: 20 Mar 2020 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 2082  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 66.5  | 51.7  | 77.5  |
| 43       | 29.3  | 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

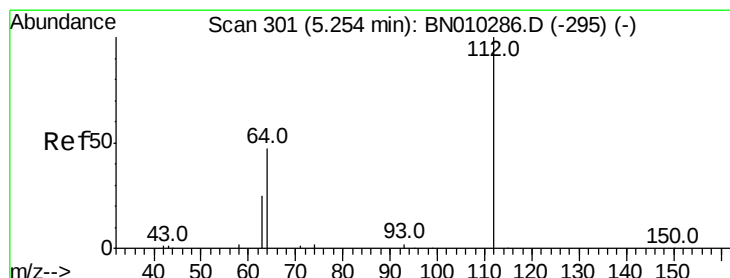
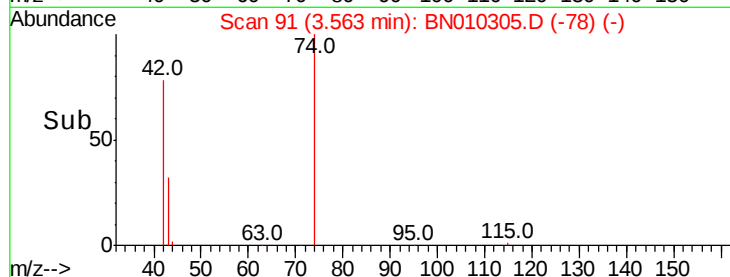
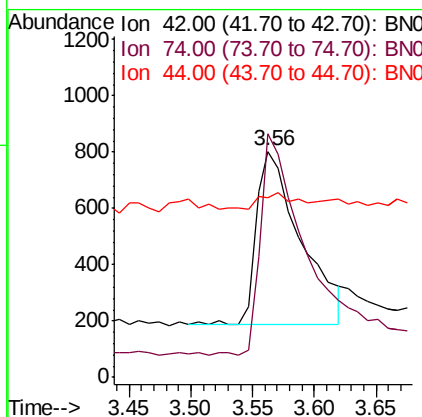
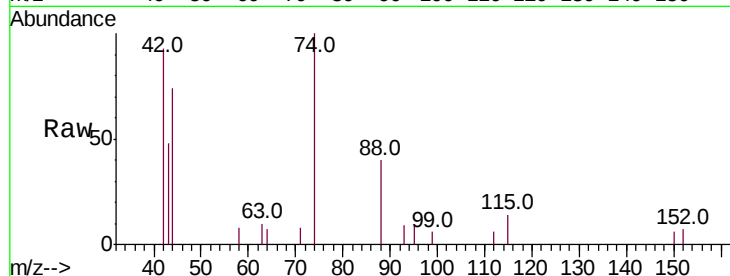
n-Nitrosodimethylamine  
 Concen: 0.348 ng  
 RT: 3.56 min Scan# 91  
 Delta R.T. 0.01 min  
 Lab File: BN010305.D  
 Acq: 20 Mar 2020 10:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 1555  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 122.4 | 99.4  | 149.0 |
| 44       | 6.4   | 4.8   | 7.2   |

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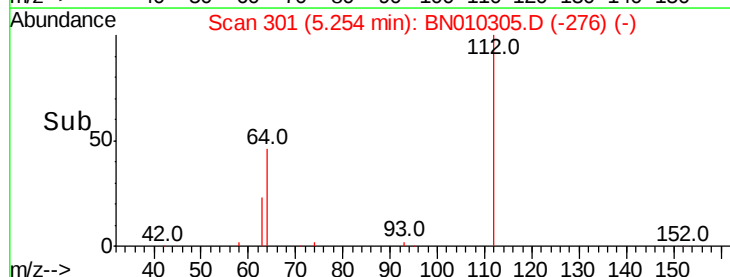
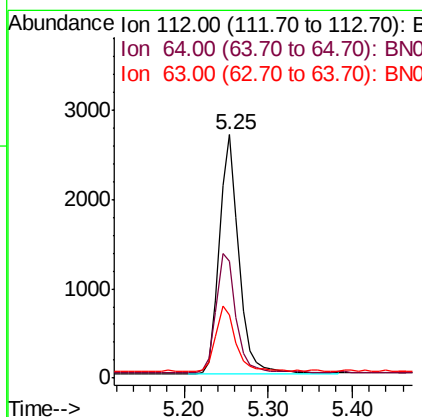
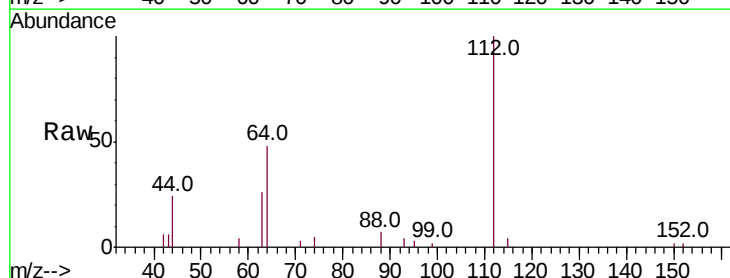
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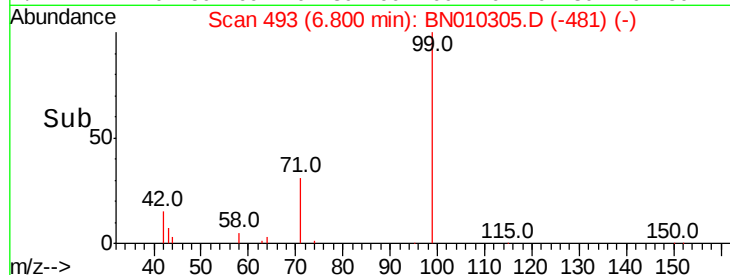
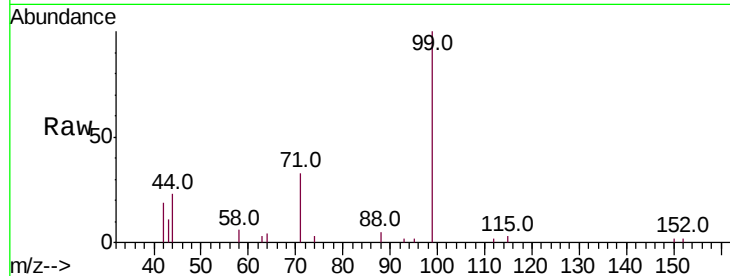
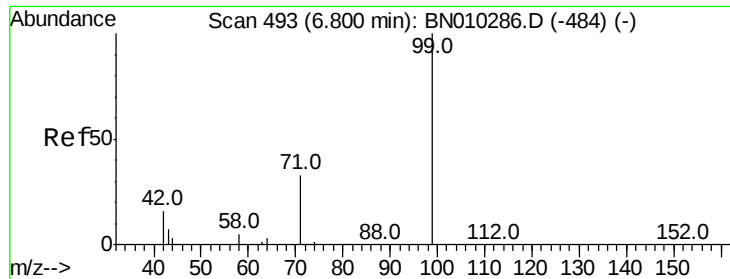


#4

2-Fluorophenol  
 Concen: 0.385 ng  
 RT: 5.25 min Scan# 301  
 Delta R.T. 0.00 min  
 Lab File: BN010305.D  
 Acq: 20 Mar 2020 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 4290  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 51.7  | 41.4  | 62.2  |
| 63       | 27.6  | 22.9  | 34.3  |





#5

Phenol-d6

Concen: 0.386 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 5347  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.2  | 14.8  | 22.2  |
| 71       | 34.3  | 27.3  | 40.9  |

Instrument :

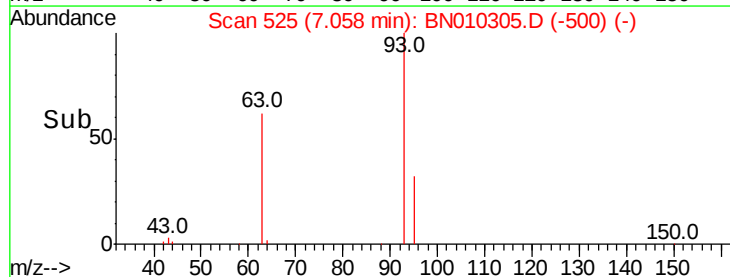
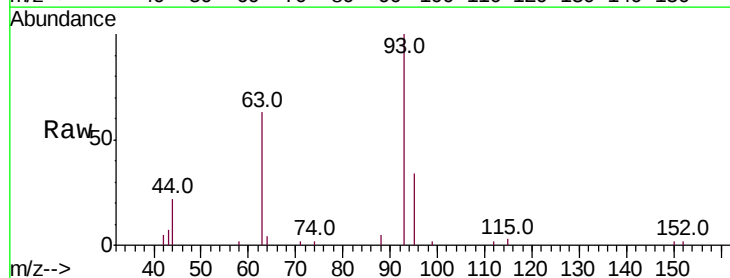
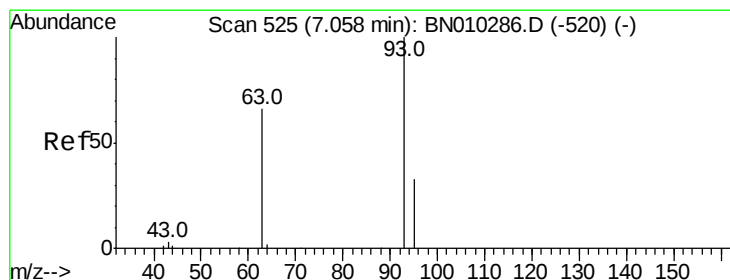
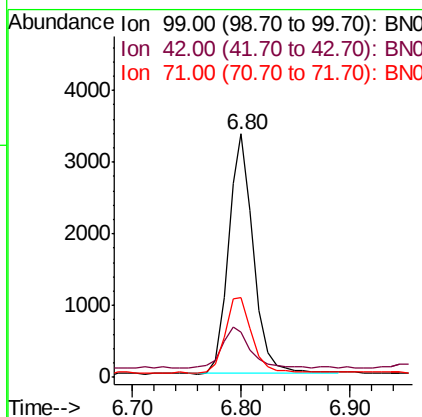
BNA\_N

ClientSampleId :

SSTDCCC0.4

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#6

bis(2-Chloroethyl)ether

Concen: 0.413 ng

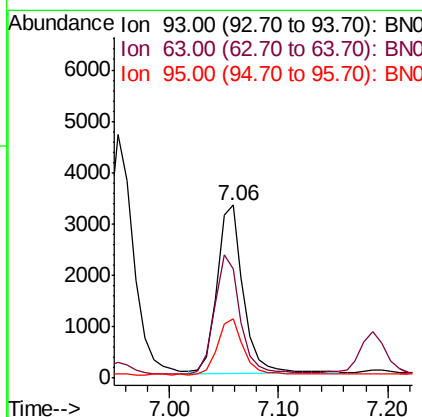
RT: 7.06 min Scan# 525

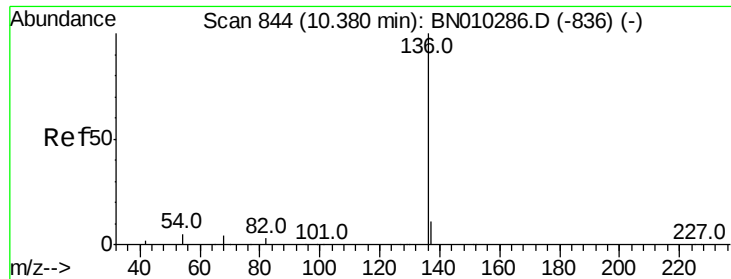
Delta R.T. 0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 5490  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 69.2  | 55.6  | 83.4  |
| 95       | 33.2  | 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: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

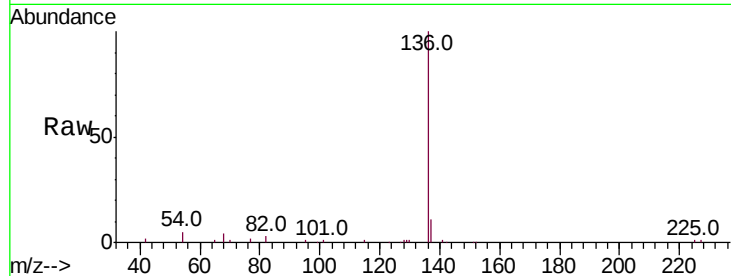
ClientSampleId :

SSTDCCC0.4

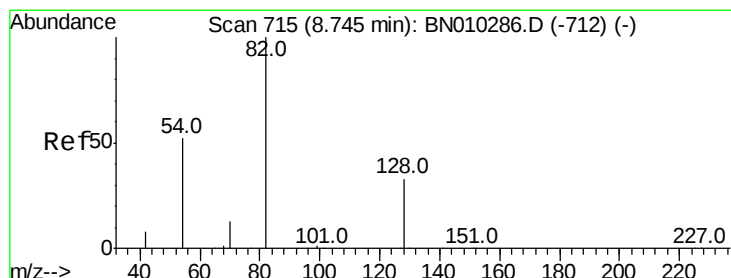
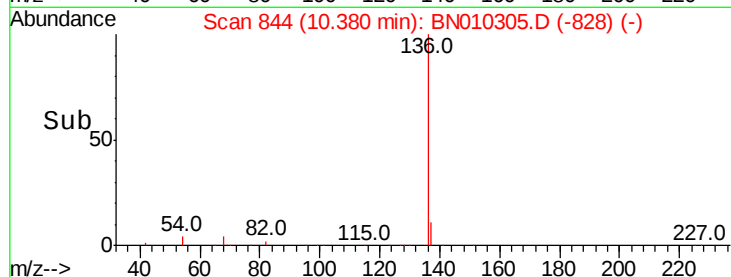
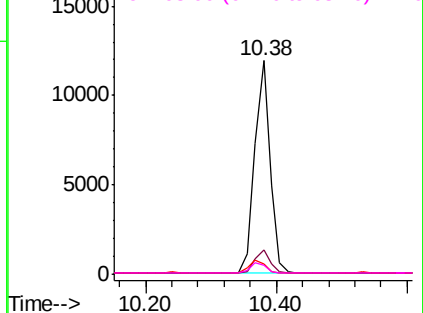
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 136   | Resp: | 19696 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.3   | 13.9  |
| 54        | 4.9   | 4.8   | 7.2   |
| 68        | 4.4   | 4.1   | 6.1   |

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Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BNC  
Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.380 ng

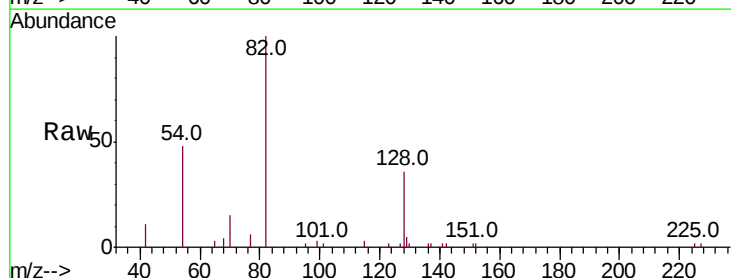
RT: 8.75 min Scan# 715

Delta R.T. 0.00 min

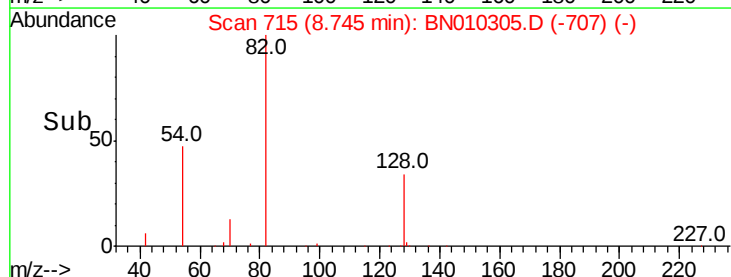
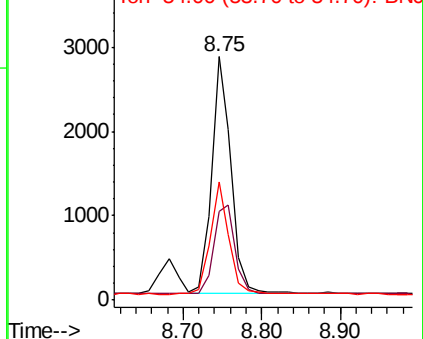
Lab File: BN010305.D

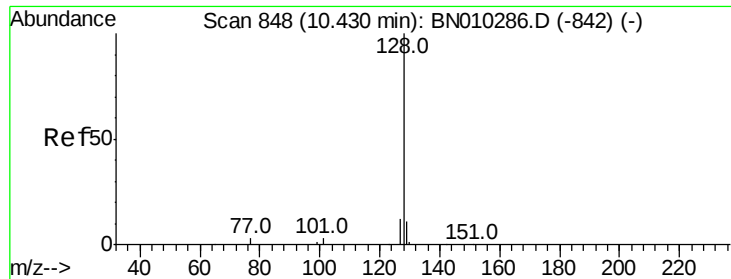
Acq: 20 Mar 2020 10:28

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 4796 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 36.3  | 28.8  | 43.2 |
| 54        | 48.4  | 42.1  | 63.1 |



Abundance Ion 82.00 (81.70 to 82.70): BNC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BNC





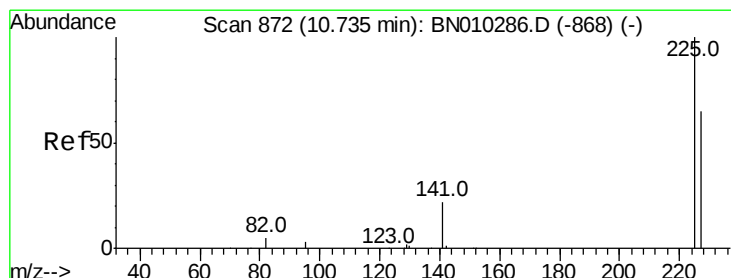
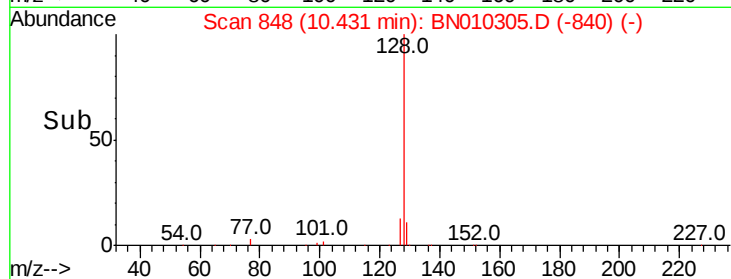
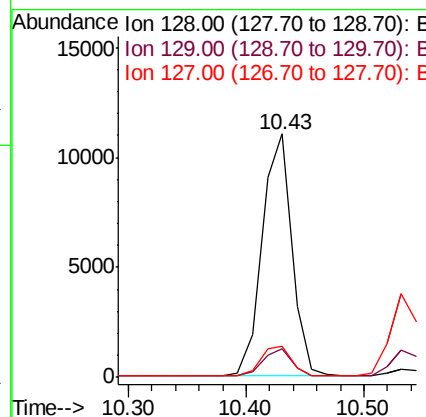
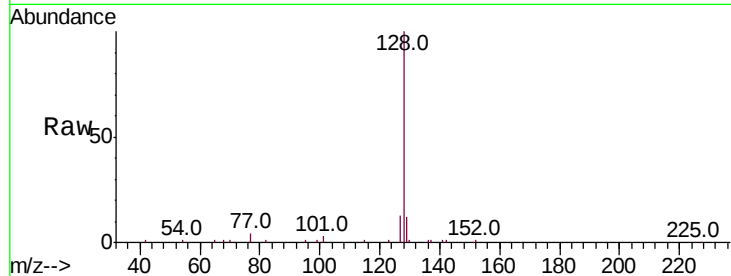
#9  
Naphthalene  
Concen: 0.394 ng  
RT: 10.43 min Scan# 848  
Delta R.T. 0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.5  | 9.1   | 13.7  |
| 127     | 13.0  | 10.4  | 15.6  |

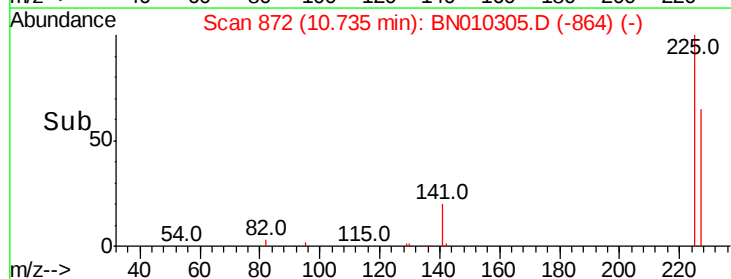
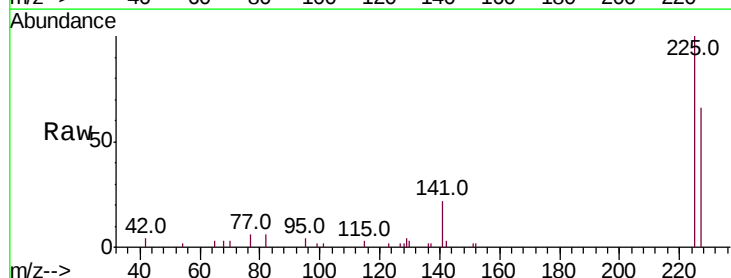
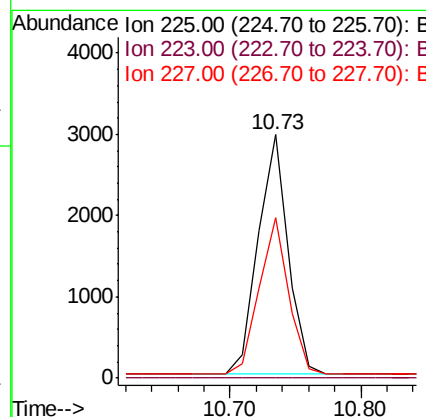
Manual Integrations  
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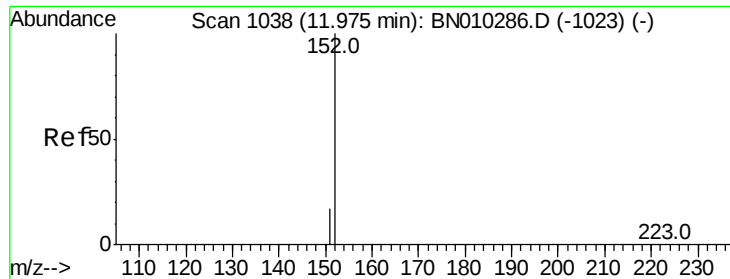
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3/23/2020 9:42:58 AM



#10  
Hexachlorobutadiene  
Concen: 0.392 ng  
RT: 10.73 min Scan# 872  
Delta R.T. 0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 0.0   | 0.0   | 0.0   |
| 227     | 64.4  | 51.9  | 77.9  |





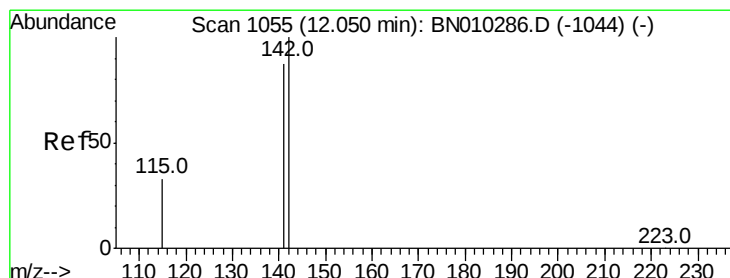
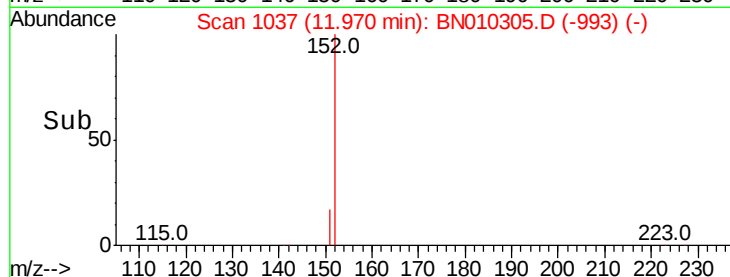
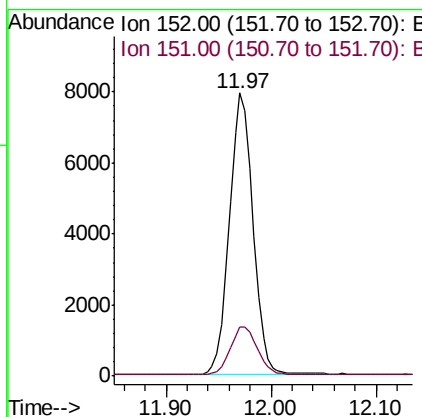
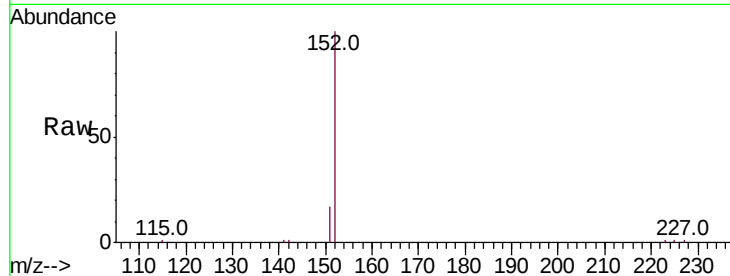
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2-Methylnaphthalene-d10  
Concen: 0.390 ng  
RT: 11.97 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.4  | 23.2  |

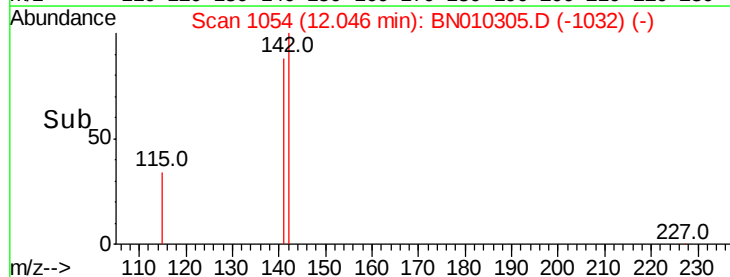
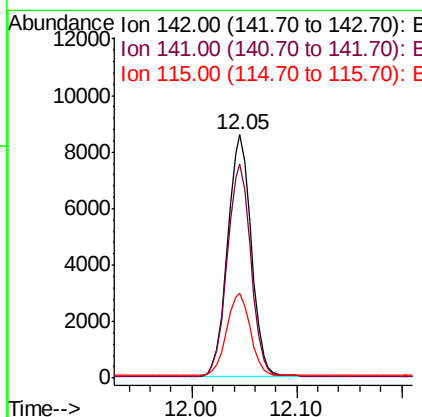
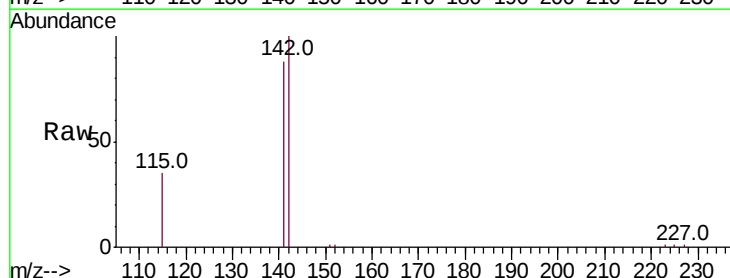
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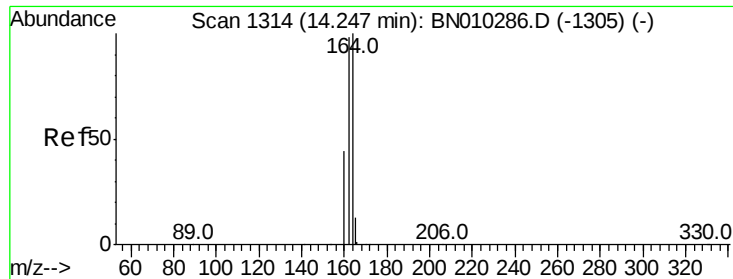
mohammad  
3/23/2020 9:42:58 AM



#12  
2-Methylnaphthalene  
Concen: 0.390 ng  
RT: 12.05 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 69.5  | 104.3 |
| 115     | 35.1  | 27.5  | 41.3  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:164 Resp: 11633

Ion Ratio Lower Upper

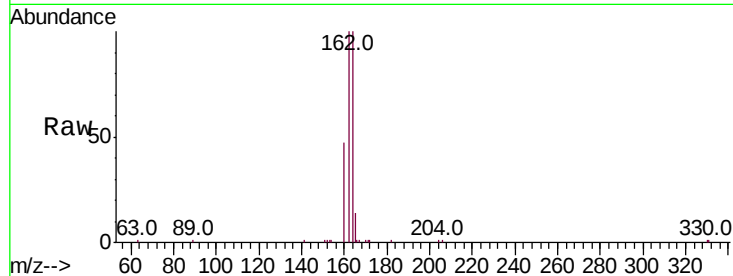
164 100

162 100.0 78.2 117.2

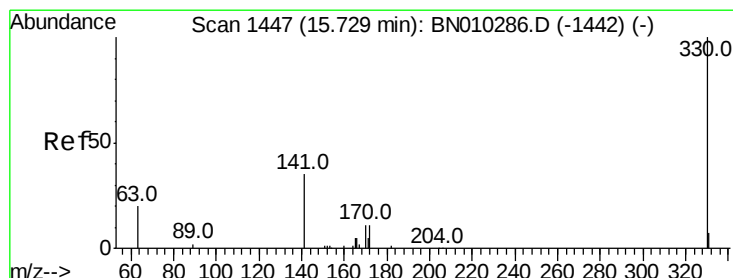
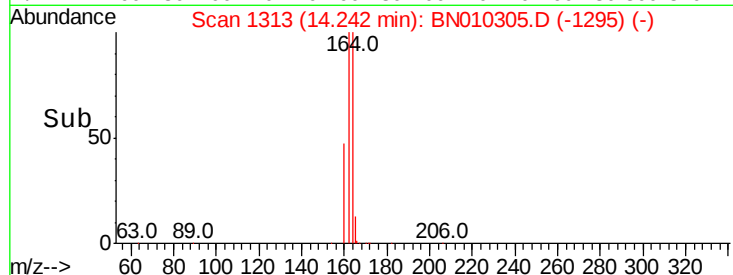
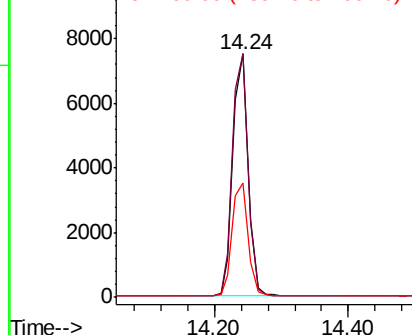
160 46.8 35.8 53.6

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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: 0.348 ng

RT: 15.74 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

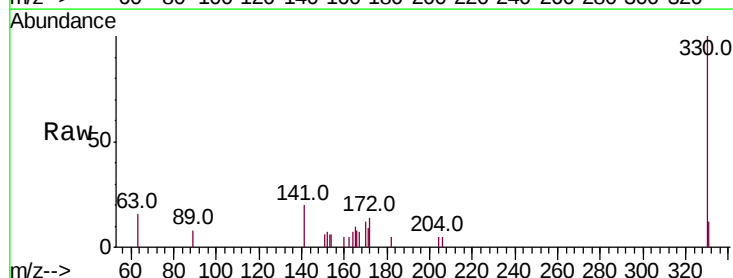
Tgt Ion:330 Resp: 1558

Ion Ratio Lower Upper

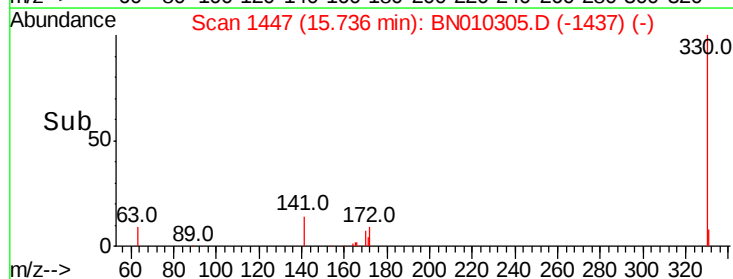
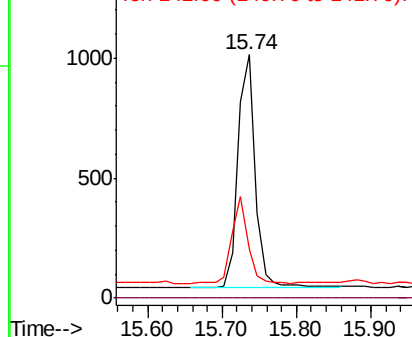
330 100

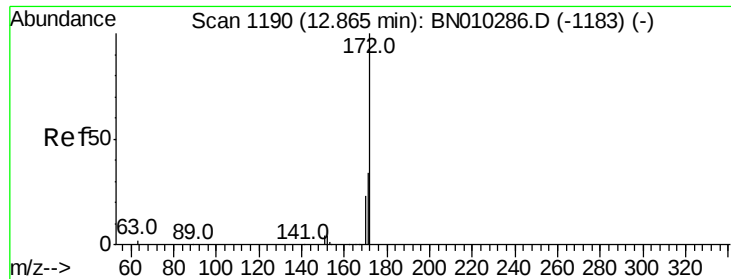
332 0.0 0.0 0.0

141 35.4 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





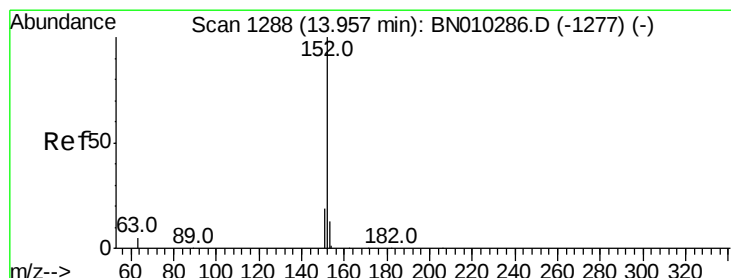
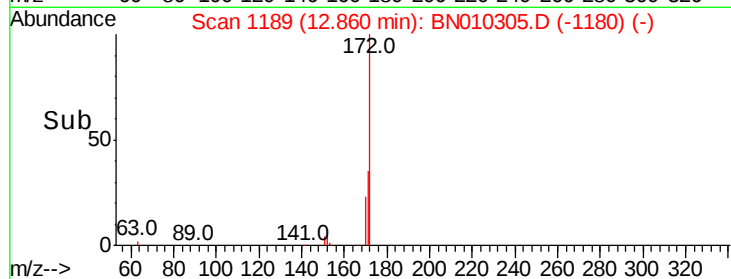
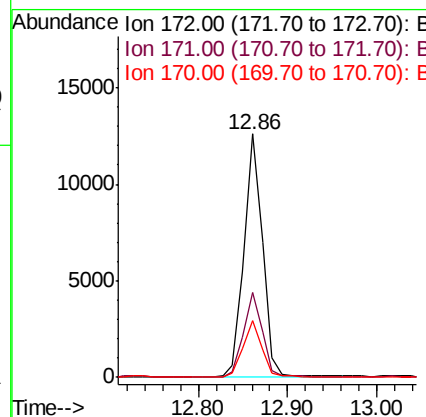
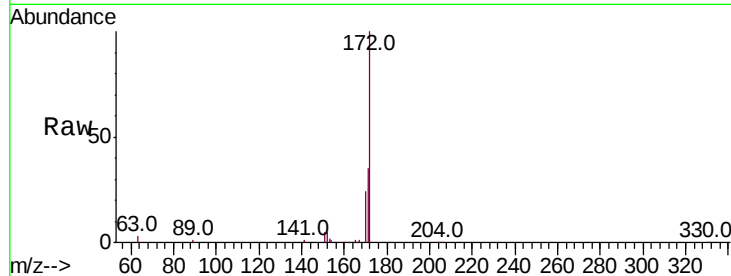
#15  
2-Fluorobiphenyl  
Concen: 0.402 ng  
RT: 12.86 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 172   | Resp: | 17906 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.9  | 27.6  | 41.4  |
| 170       | 23.5  | 18.5  | 27.7  |

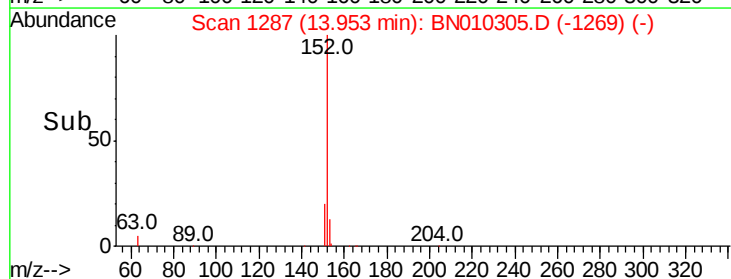
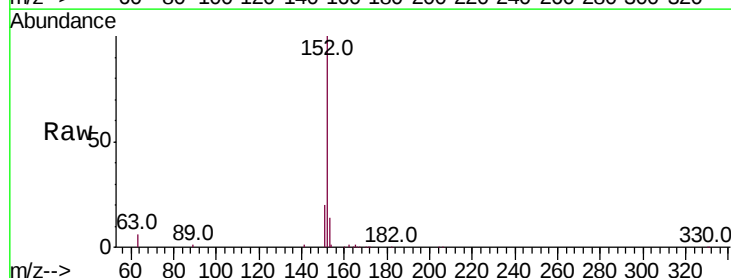
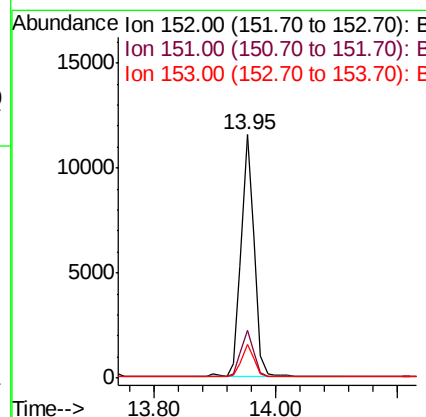
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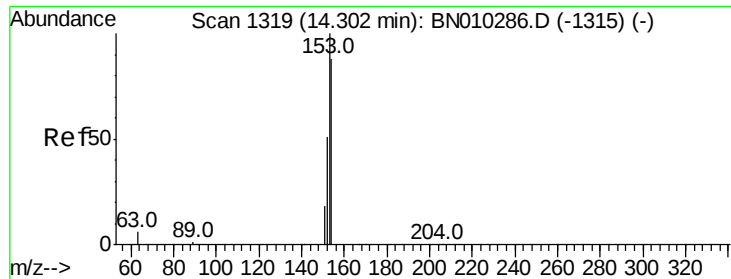
mohammad  
3/23/2020 9:42:58 AM



#16  
Acenaphthylene  
Concen: 0.381 ng  
RT: 13.95 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 17373 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.2  | 15.6  | 23.4  |
| 153       | 13.3  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.30 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

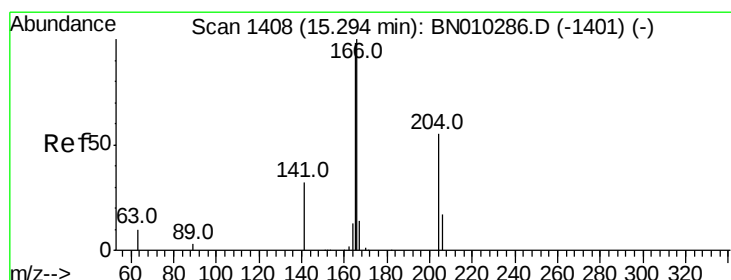
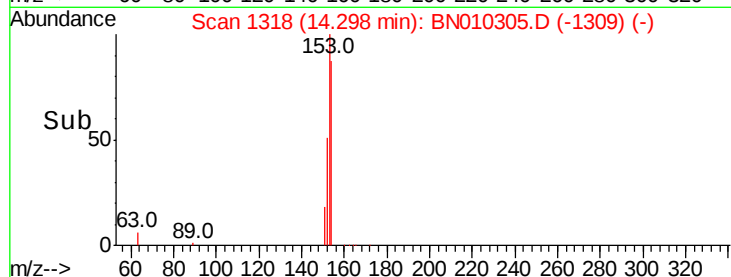
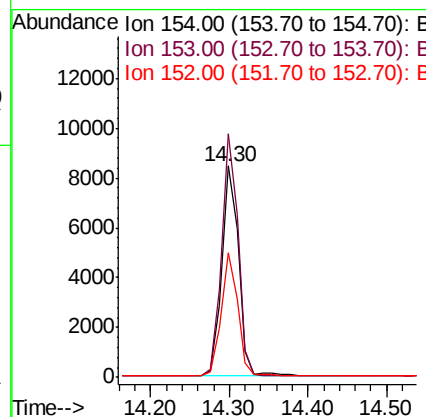
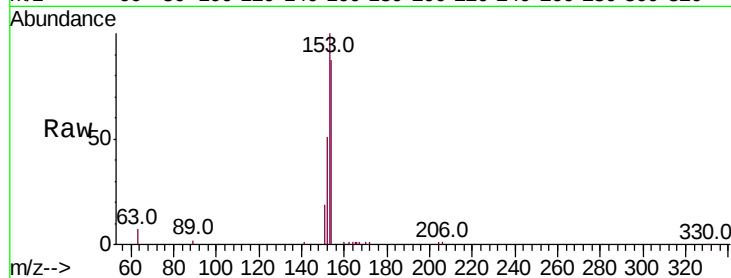
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 12683 |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 111.3 | 88.1  | 132.1 |
| 152      | 56.8  | 45.5  | 68.3  |

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#18

Fluorene

Concen: 0.393 ng

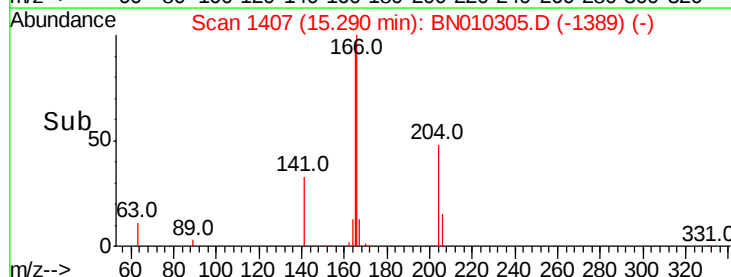
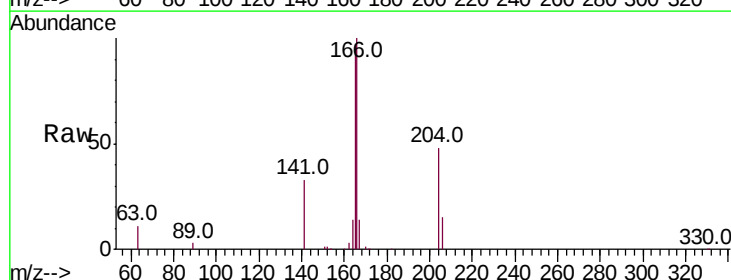
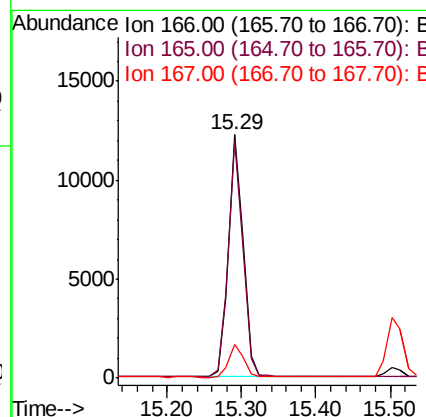
RT: 15.29 min Scan# 1407

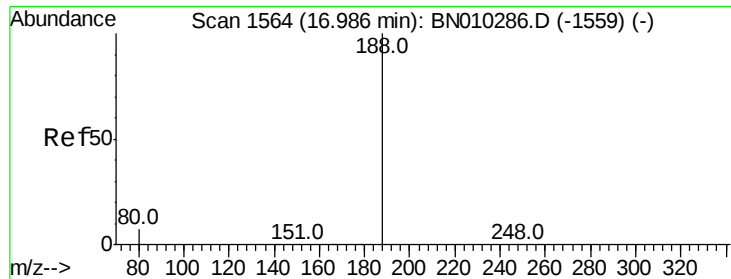
Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 16963 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 97.1  | 78.7  | 118.1 |
| 167      | 13.7  | 11.0  | 16.4  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.98 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

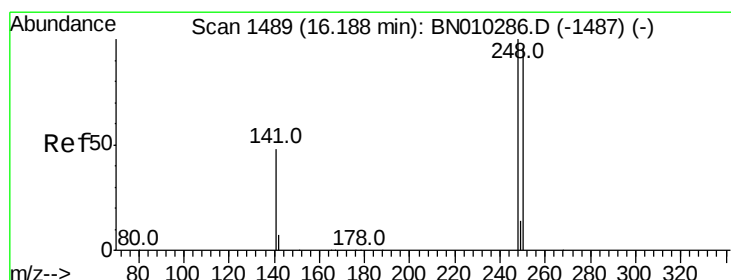
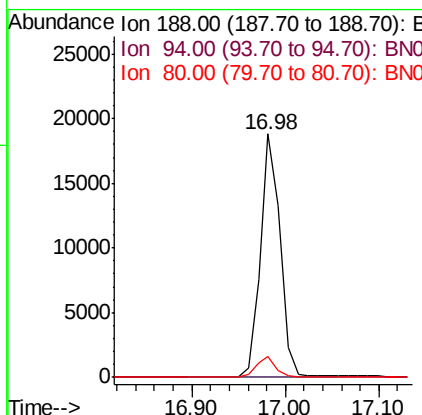
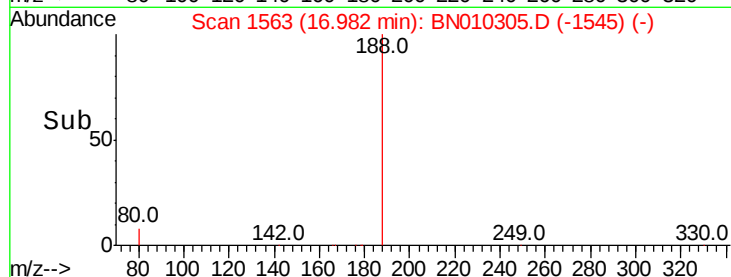
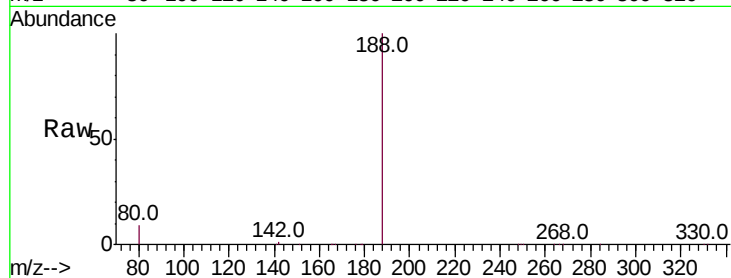
ClientSampleId :

SSTDCCC0.4

|             |       |       |
|-------------|-------|-------|
| Tot Ion:188 | Resp: | 27402 |
| Ion Ratio   | Lower | Upper |
| 188 100     |       |       |
| 94 0.0      | 0.0   | 0.0   |
| 80 8.6      | 6.0   | 9.0   |

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#20

4-Bromophenyl-phenylether

Concen: 0.393 ng

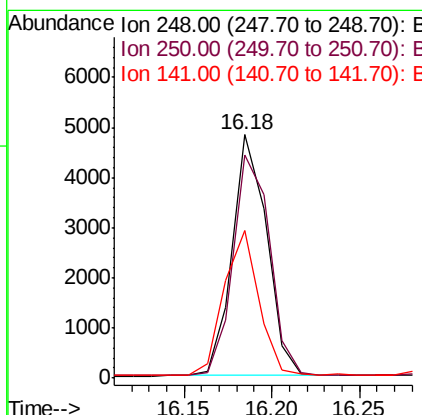
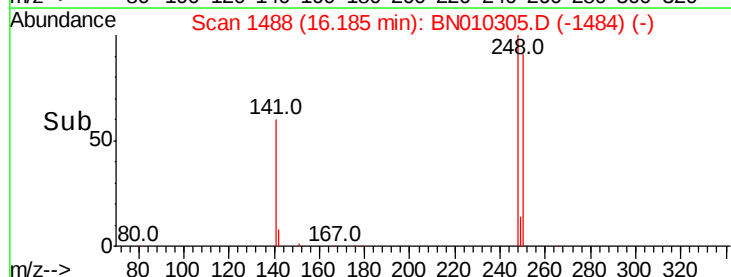
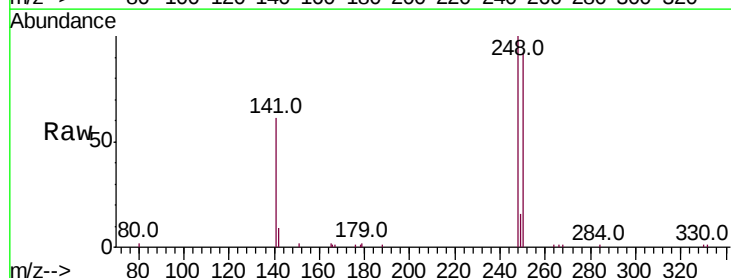
RT: 16.18 min Scan# 1488

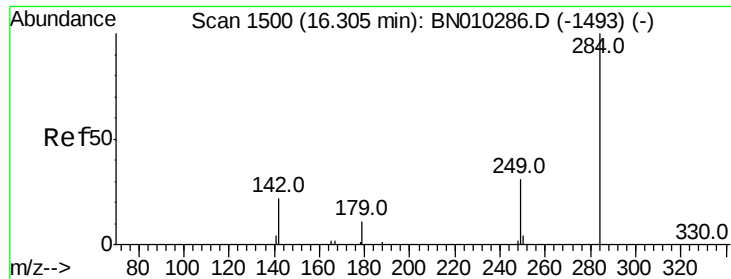
Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:248 | Resp: | 6538  |
| Ion Ratio   | Lower | Upper |
| 248 100     |       |       |
| 250 91.6    | 76.8  | 115.2 |
| 141 60.8    | 44.4  | 66.6  |





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.30 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

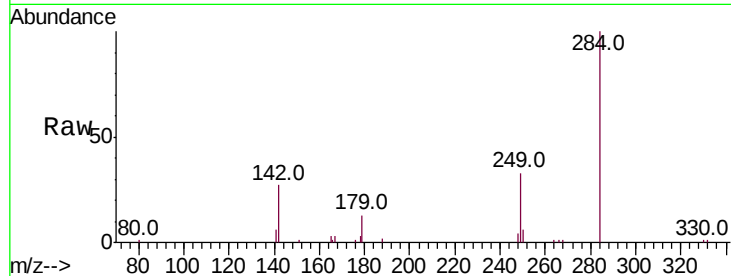
ClientSampleId :

SSTDCCC0.4

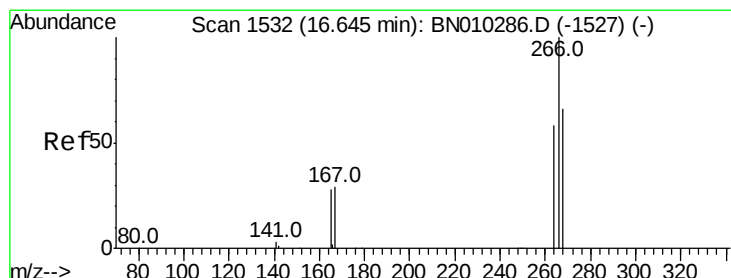
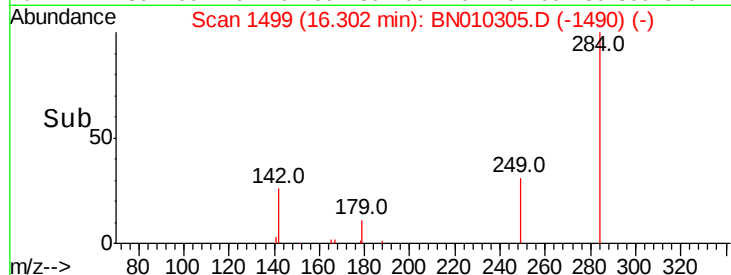
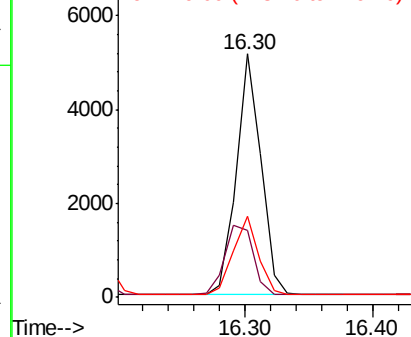
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 6868 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 33.5  | 27.4  | 41.2 |
| 249       | 32.7  | 26.5  | 39.7 |

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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: 0.333 ng

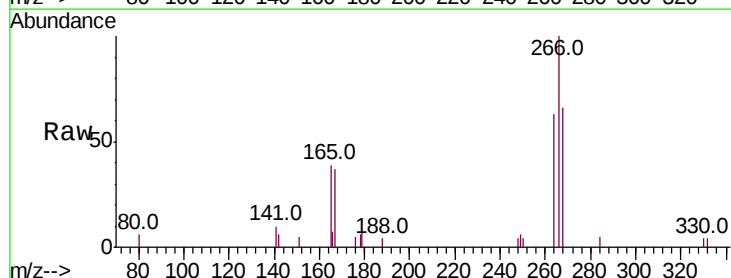
RT: 16.64 min Scan# 1531

Delta R.T. -0.00 min

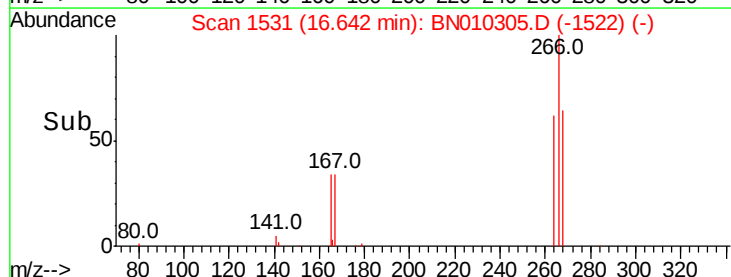
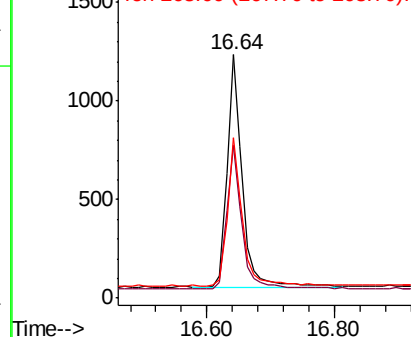
Lab File: BN010305.D

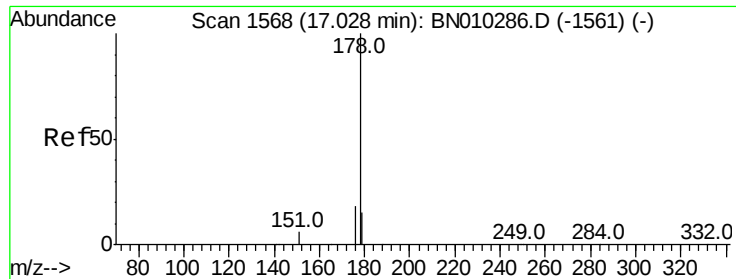
Acq: 20 Mar 2020 10:28

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1948 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.6  | 47.7  | 71.5 |
| 268       | 66.1  | 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





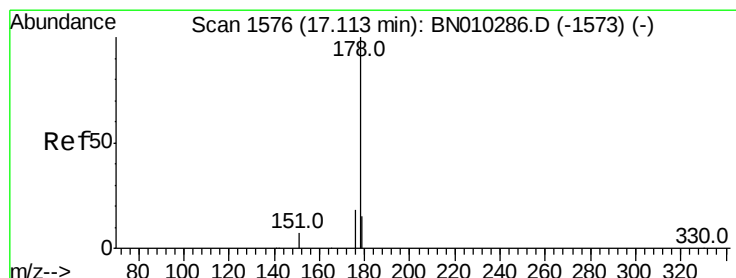
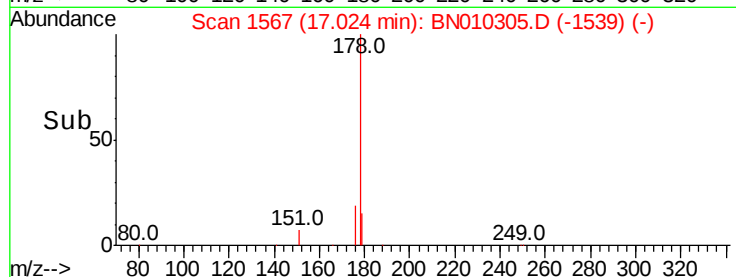
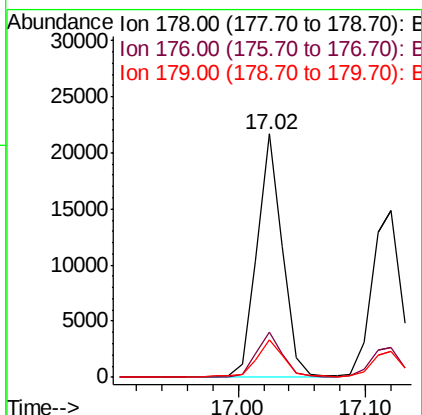
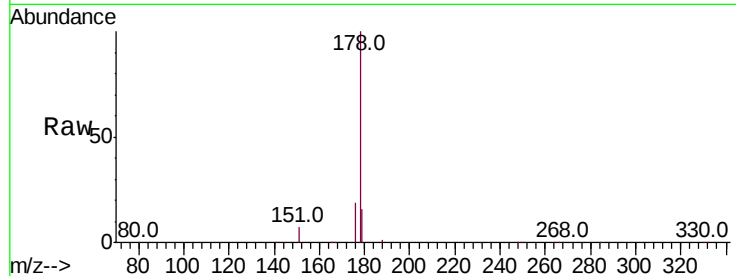
#23  
Phenanthrene  
Concen: 0.395 ng  
RT: 17.02 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 29779     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.6  | 15.0 22.4 |
| 179         | 15.4  | 12.4 18.6 |

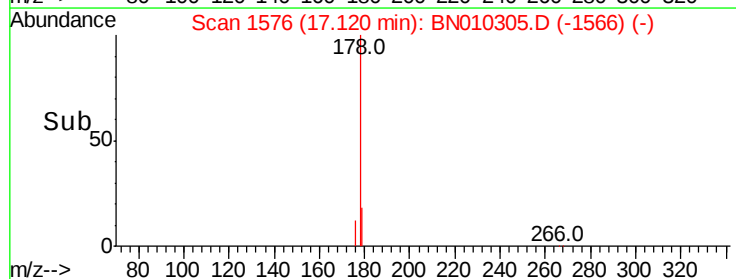
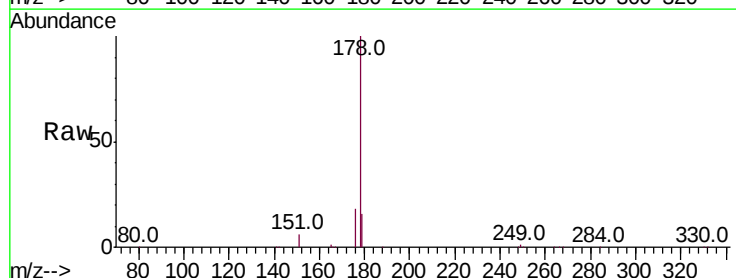
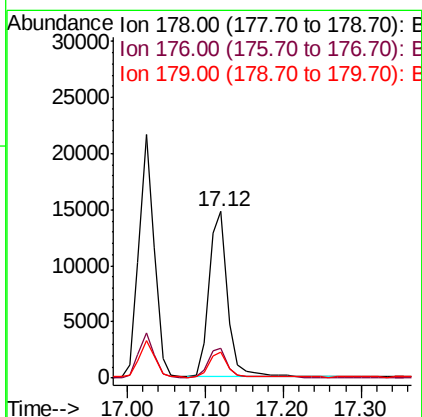
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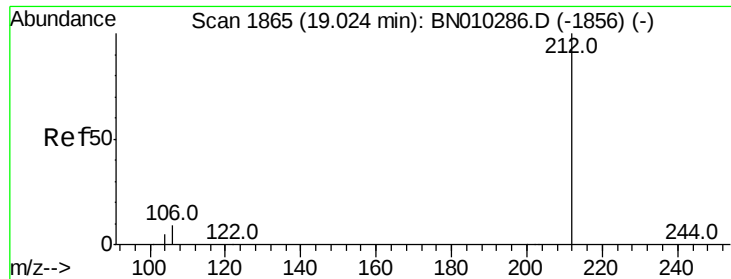
mohammad  
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#24  
Anthracene  
Concen: 0.374 ng  
RT: 17.12 min Scan# 1576  
Delta R.T. 0.01 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 24089     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.2  | 14.5 21.7 |
| 179         | 15.3  | 12.3 18.5 |





#25

Fluoranthene-d10

Concen: 0.388 ng

RT: 19.02 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

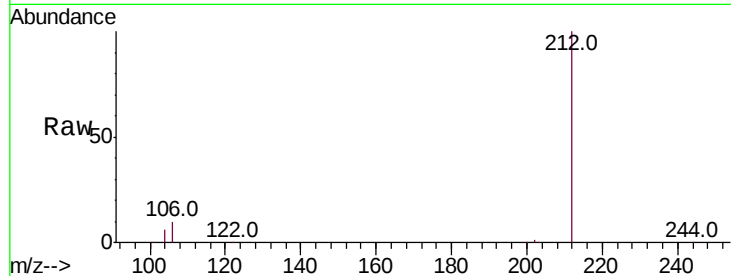
ClientSampleId :

SSTDCCC0.4

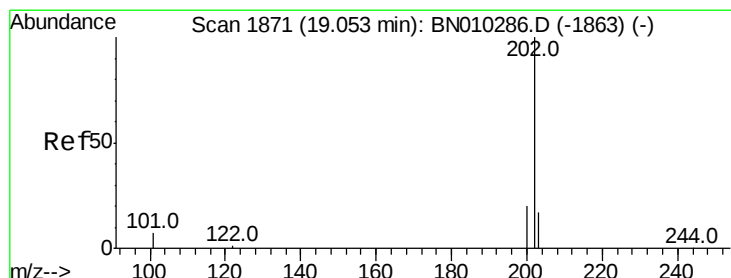
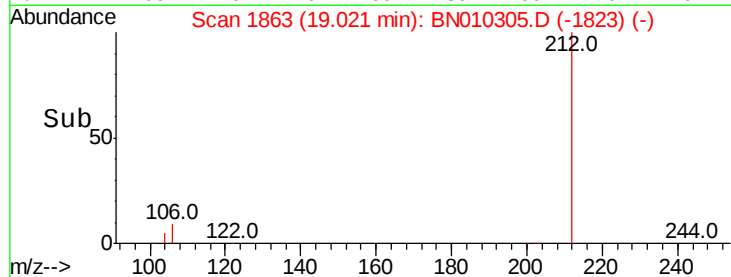
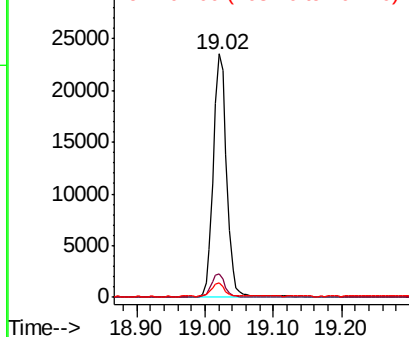
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 32083 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 9.5   | 7.4   | 11.2  |
| 104       | 5.4   | 4.2   | 6.4   |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.393 ng

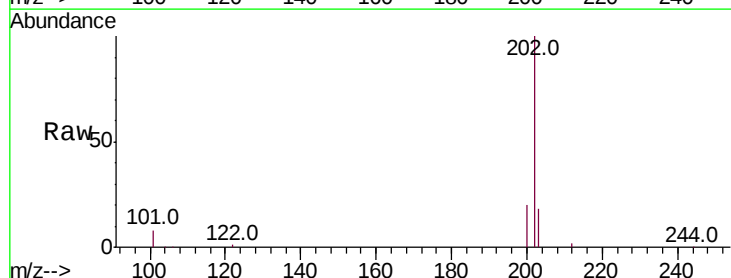
RT: 19.05 min Scan# 1869

Delta R.T. -0.00 min

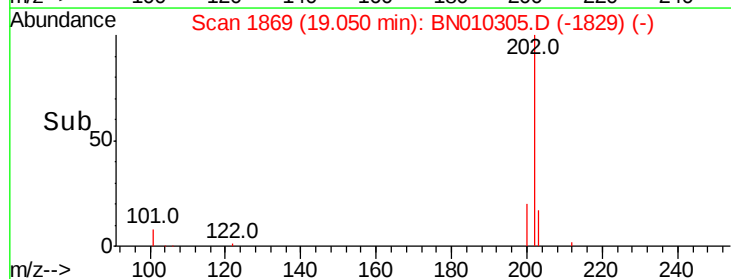
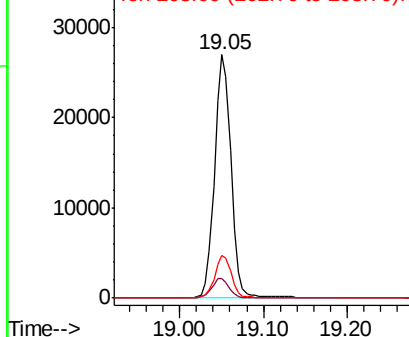
Lab File: BN010305.D

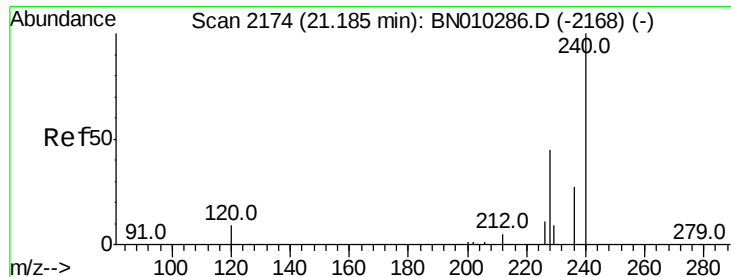
Acq: 20 Mar 2020 10:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 36282 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.2   | 6.6   | 9.8   |
| 203       | 17.1  | 13.8  | 20.8  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

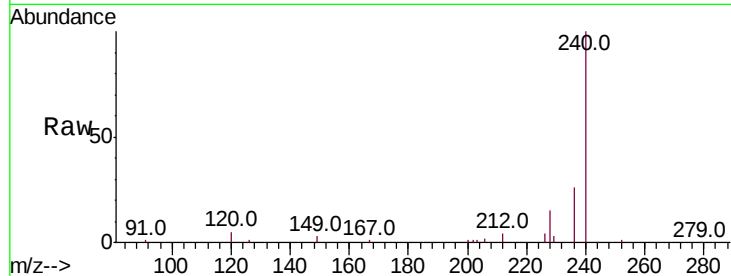
ClientSampleId :

SSTDCCC0.4

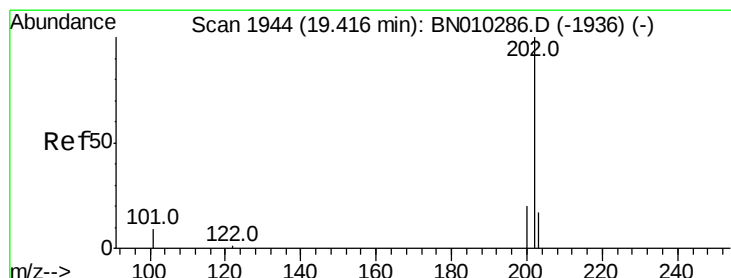
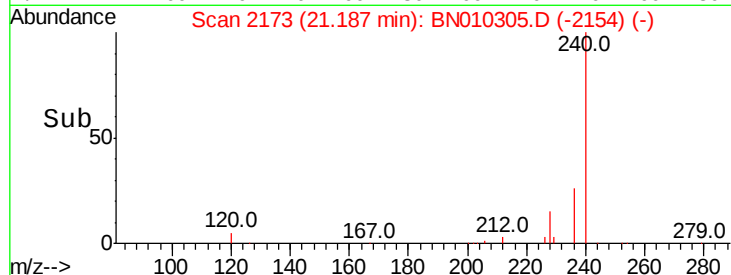
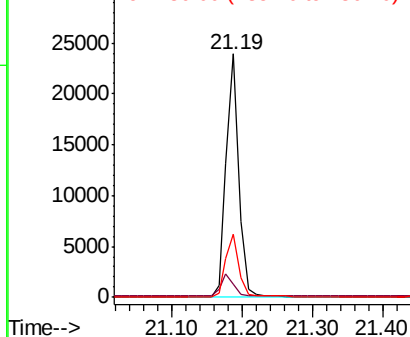
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.5   | 7.9   | 11.9# |
| 236     | 26.2  | 22.2  | 33.4  |

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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: 0.386 ng

RT: 19.41 min Scan# 1942

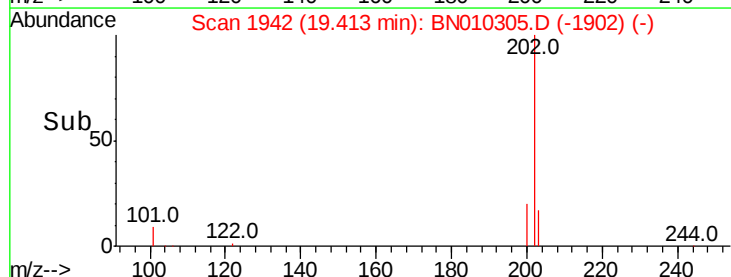
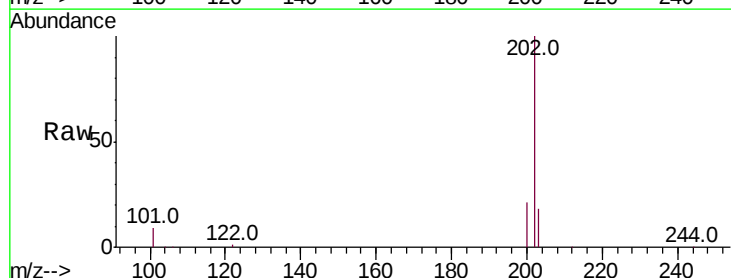
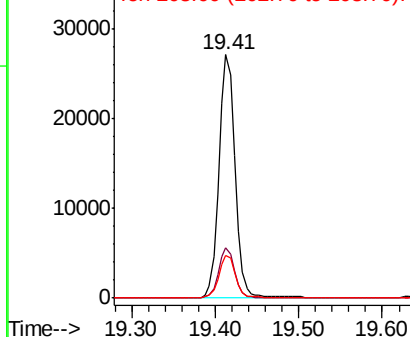
Delta R.T. -0.00 min

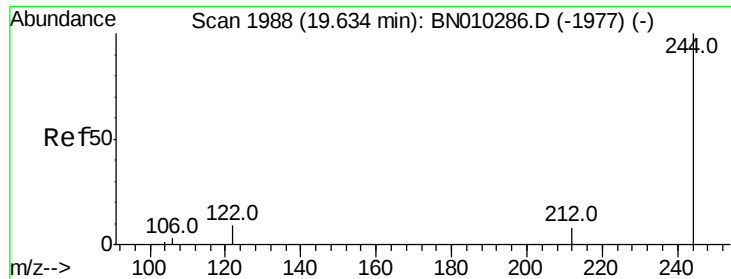
Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 16.2  | 24.4  |
| 203     | 17.5  | 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





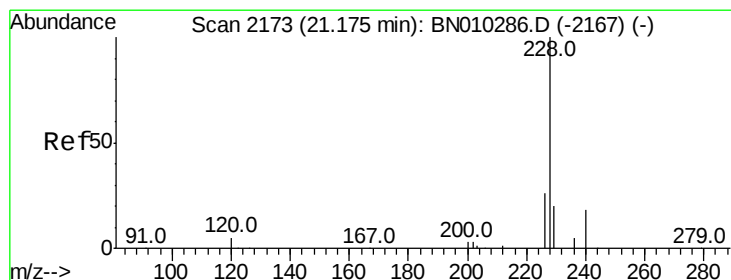
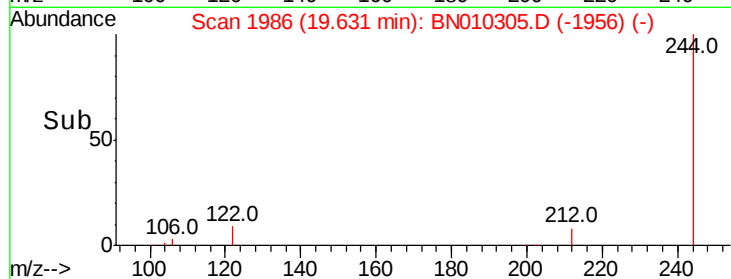
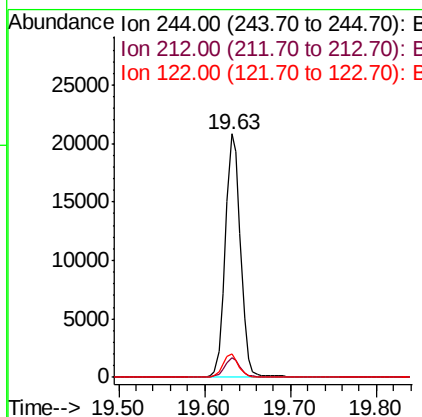
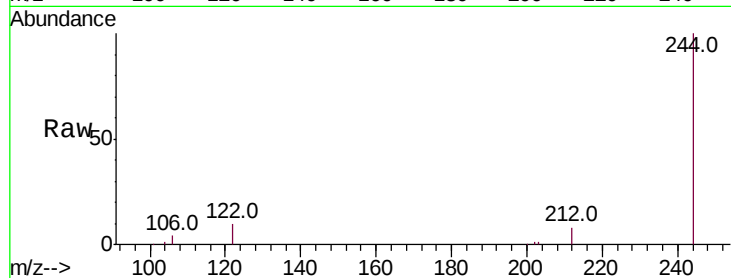
#29  
 Terphenyl-d14  
 Concen: 0.391 ng  
 RT: 19.63 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: BN010305.D  
 Acq: 20 Mar 2020 10:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.8   | 6.3   | 9.5   |
| 122     | 9.7   | 7.6   | 11.4  |

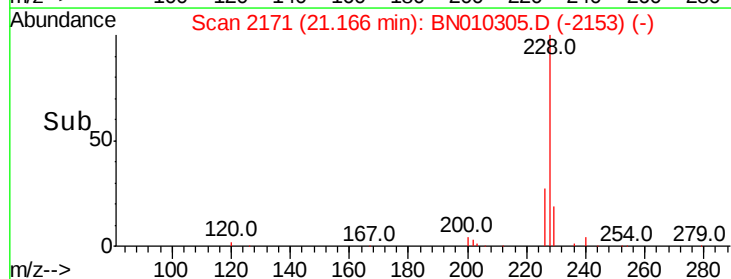
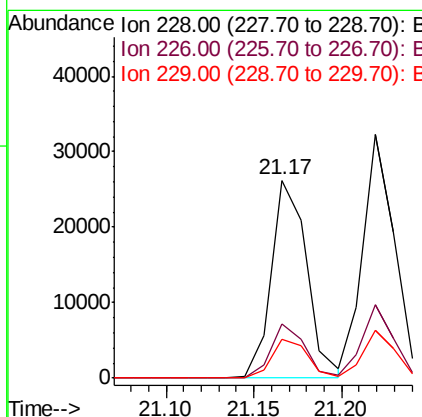
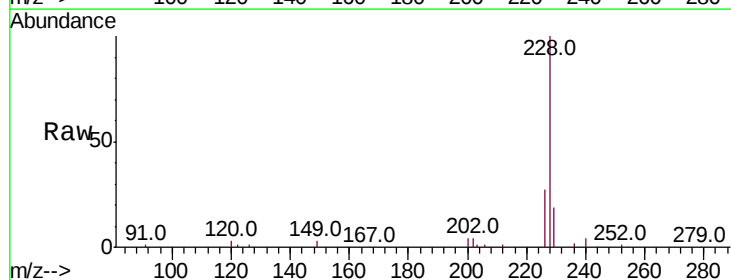
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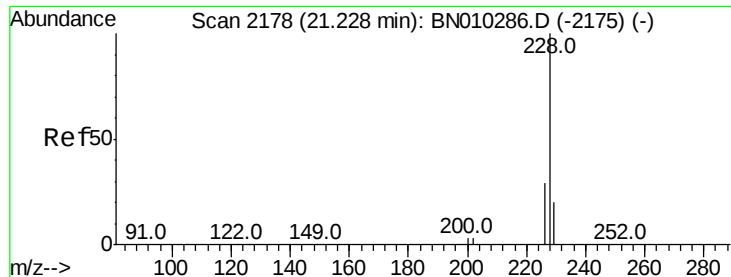
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#30  
 Benzo(a)anthracene  
 Concen: 0.385 ng  
 RT: 21.17 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: BN010305.D  
 Acq: 20 Mar 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.2  | 21.0  | 31.4  |
| 229     | 19.5  | 16.0  | 24.0  |





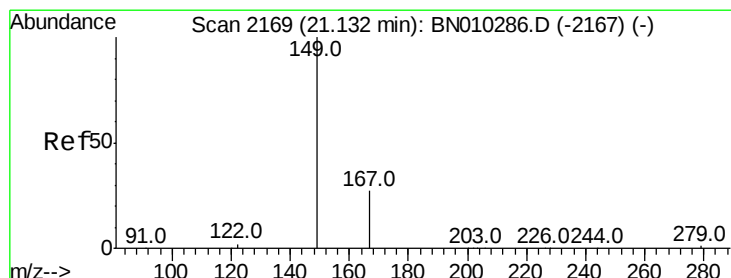
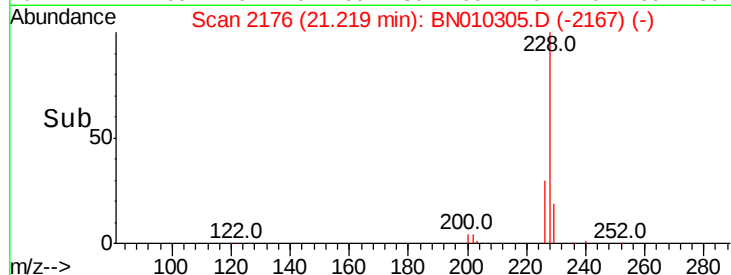
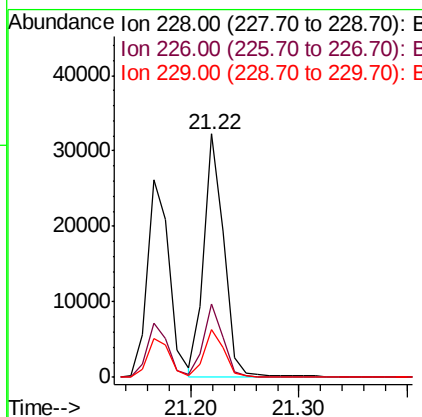
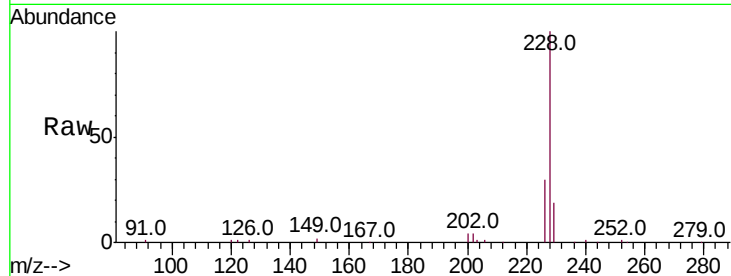
#31  
Chrysene  
Concen: 0.399 ng  
RT: 21.22 min Scan# 2176  
Delta R.T. -0.01 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 23.0  | 34.6  |
| 229     | 19.4  | 16.0  | 24.0  |

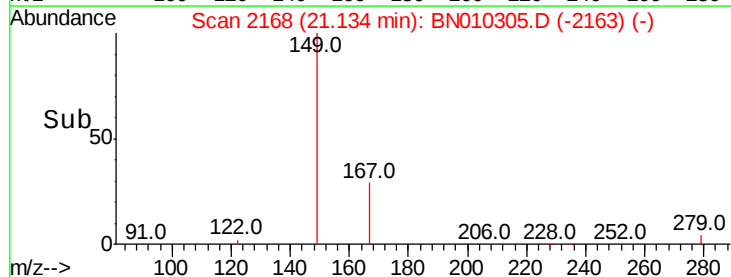
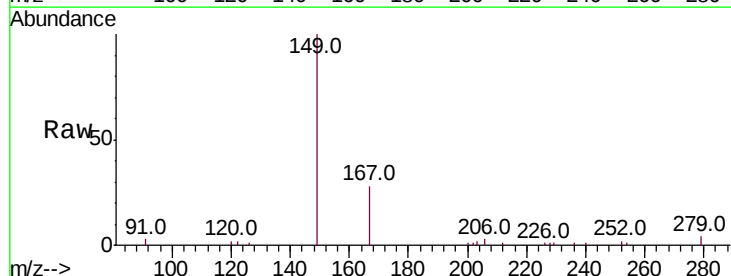
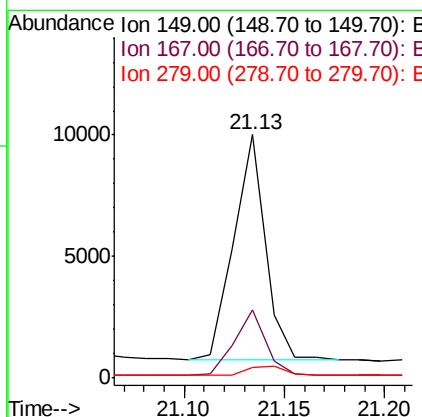
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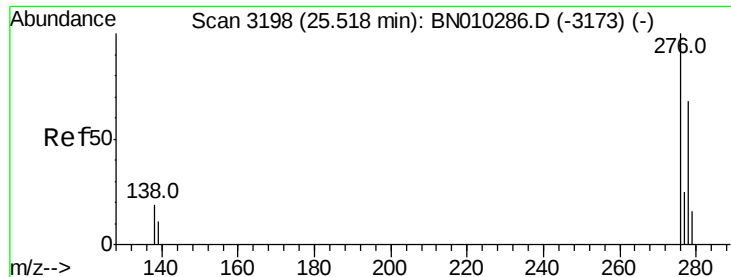
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.316 ng  
RT: 21.13 min Scan# 2168  
Delta R.T. 0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.9  | 23.0  | 34.6  |
| 279     | 5.0   | 3.8   | 5.8   |





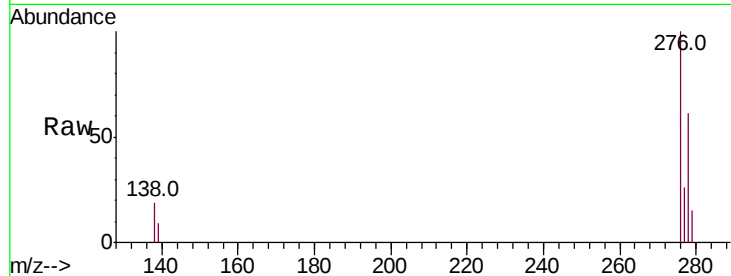
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.372 ng  
 RT: 25.51 min Scan# 3194  
 Delta R.T. -0.01 min  
 Lab File: BN010305.D  
 Acq: 20 Mar 2020 10:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.7  | 15.6  | 23.4  |
| 277     | 24.9  | 20.1  | 30.1  |

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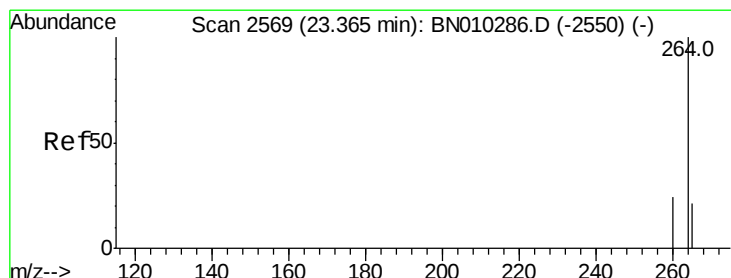
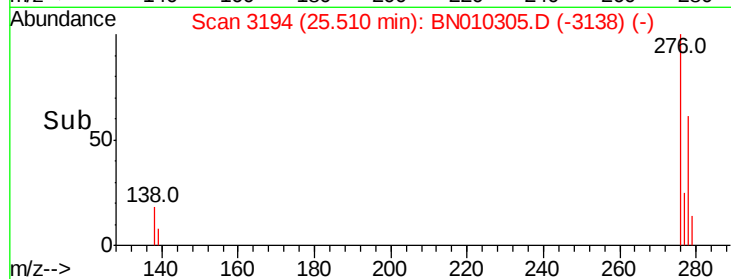
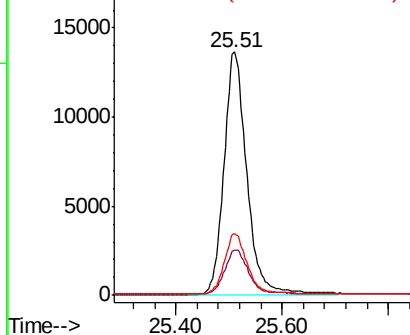


Abundance

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# 2566  
 Delta R.T. -0.00 min  
 Lab File: BN010305.D  
 Acq: 20 Mar 2020 10:28

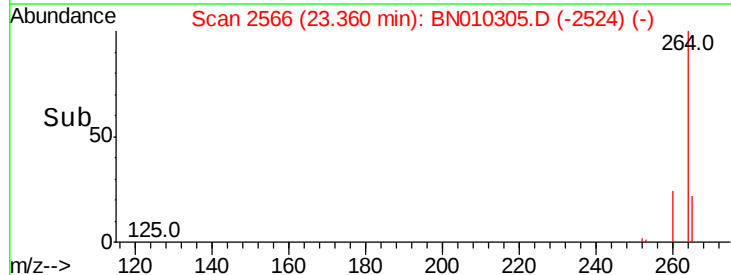
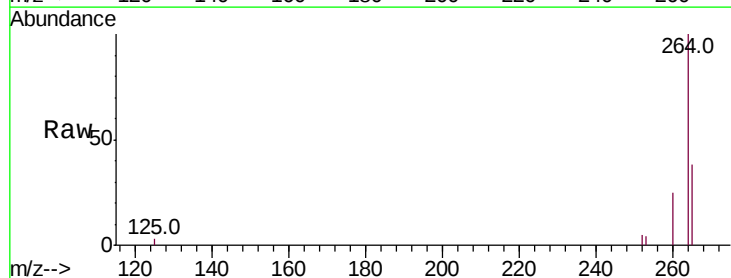
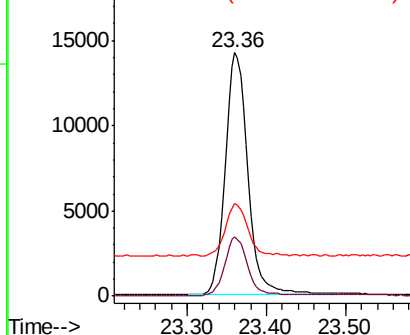
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.5  | 29.3  |
| 265     | 38.3  | 32.4  | 48.6  |

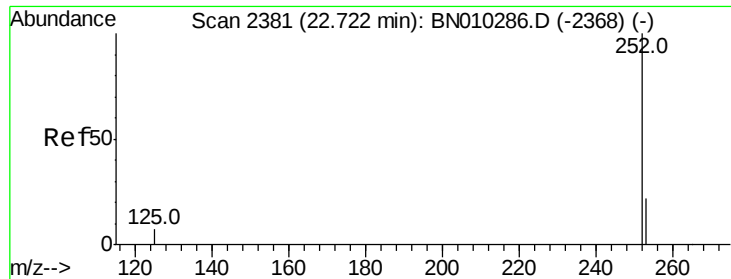
Abundance

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





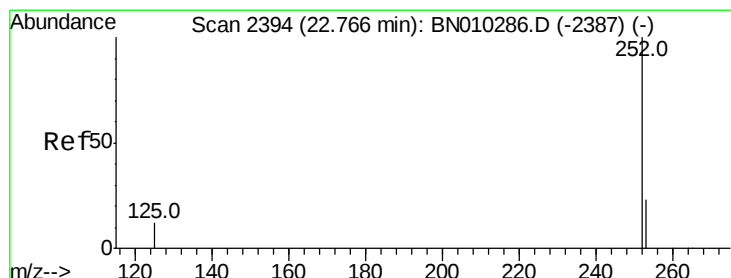
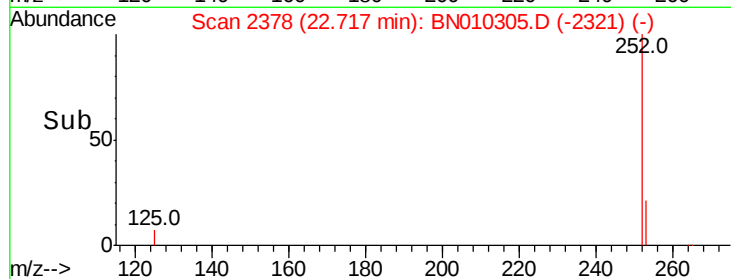
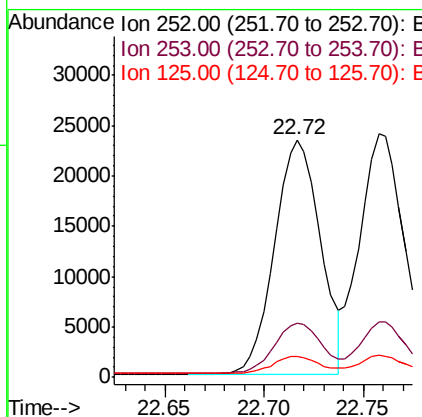
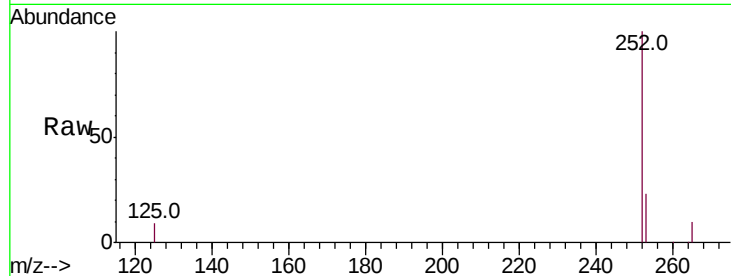
#35  
Benzo(b)fluoranthene  
Concen: 0.390 ng  
RT: 22.72 min Scan# 2378  
Delta R.T. -0.00 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 19.2  | 28.8  |
| 125     | 8.7   | 7.4   | 11.0  |

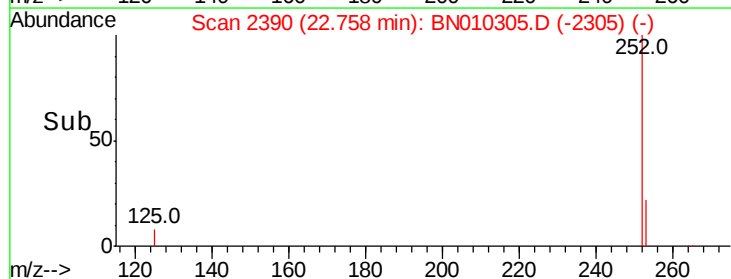
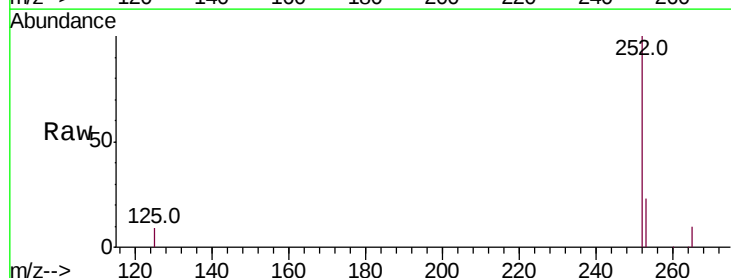
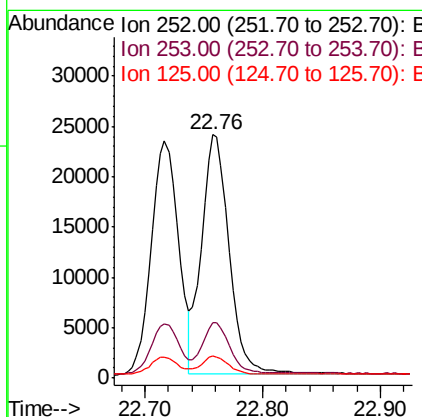
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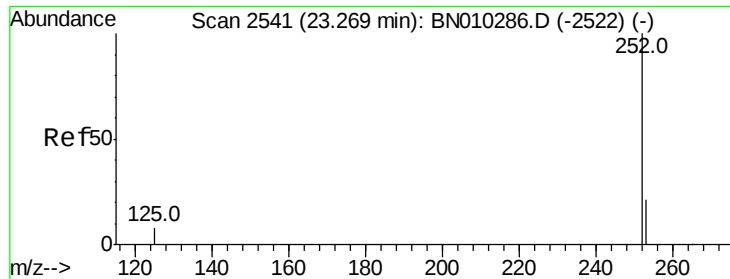
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#36  
Benzo(k)fluoranthene  
Concen: 0.396 ng  
RT: 22.76 min Scan# 2390  
Delta R.T. -0.01 min  
Lab File: BN010305.D  
Acq: 20 Mar 2020 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 19.4  | 29.0  |
| 125     | 9.0   | 10.2  | 15.2# |





#37

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.27 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

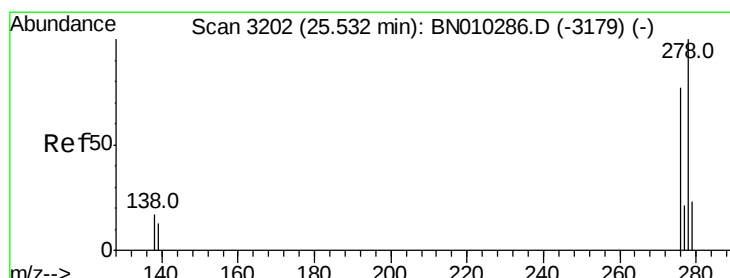
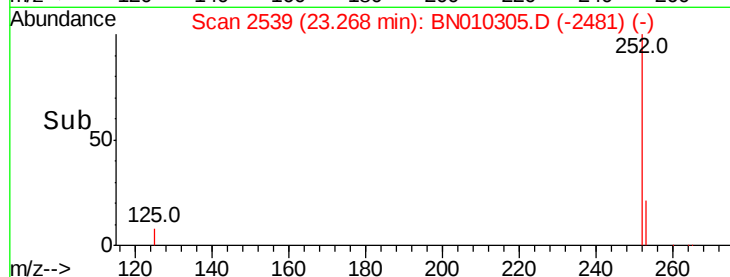
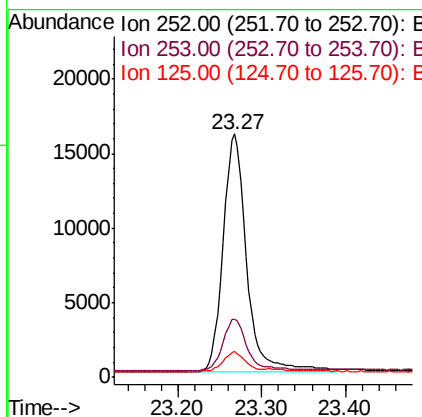
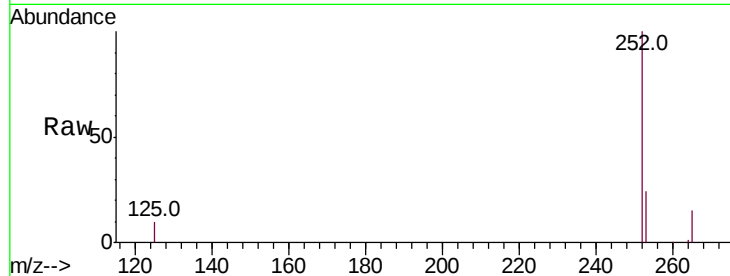
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 31519 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.9  | 19.9  | 29.9  |
| 125       | 10.4  | 8.9   | 13.3  |

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#38

Dibenzo(a,h)anthracene

Concen: 0.383 ng

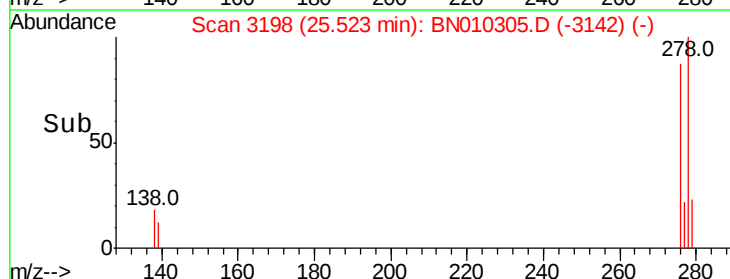
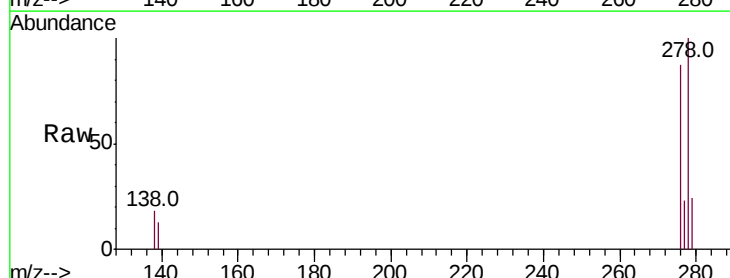
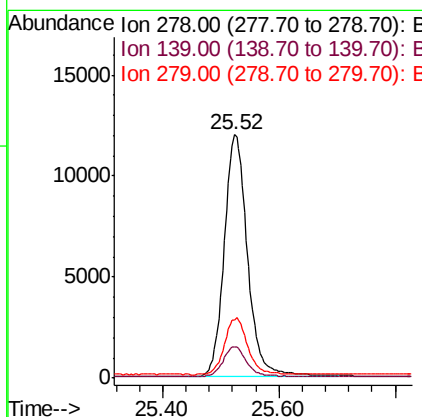
RT: 25.52 min Scan# 3198

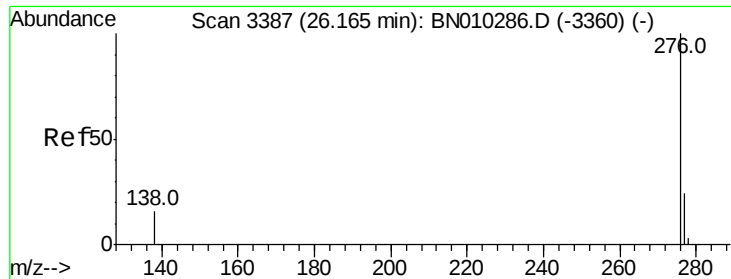
Delta R.T. -0.01 min

Lab File: BN010305.D

Acq: 20 Mar 2020 10:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 33555 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 12.6  | 10.6  | 16.0  |
| 279       | 23.9  | 19.8  | 29.6  |





#39

Benzo(a,h,i)perylene

Concen: 0.392 ng

RT: 26.16 min Scan# 3384

Delta R.T. -0.00 min

Lab File: BN010305.D

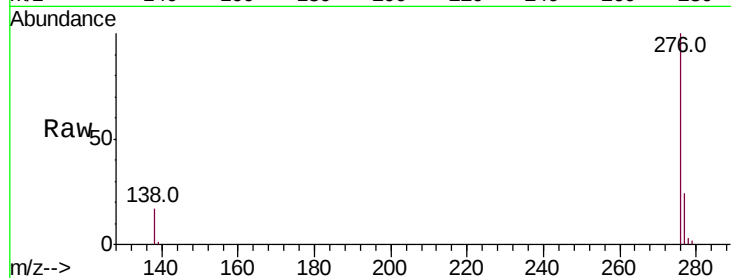
Acq: 20 Mar 2020 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4



Tot Ion: 276 Resp: 34538

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

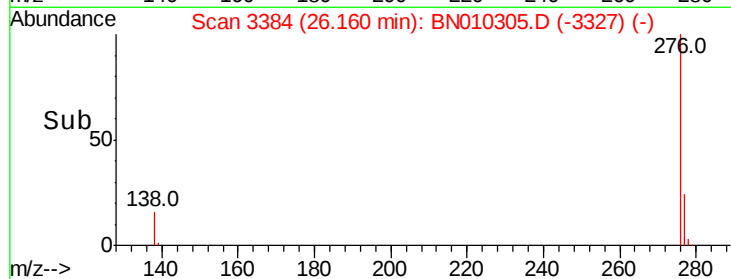
138 16.9 13.3 19.9

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Abundance Ion 276.00 (275.70 to 276.70): E

15000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

