

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\  
 Data File : BN010347.D  
 Acq On : 25 Mar 2020 03:40  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
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 3/25/2020 12:28:58 PM

Quant Time: Mar 25 04:12:06 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  | 4248     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 14808    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.24 | 164  | 8808     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.99 | 188  | 20195    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.19 | 240  | 20721    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.35 | 264  | 20354    | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.25  | 112 | 3399  | 0.40 | ng | 0.00  |
| 5) Phenol-d6                | 6.80  | 99  | 4201  | 0.40 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.74  | 82  | 3676  | 0.39 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 10611 | 0.45 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.73 | 330 | 1172  | 0.35 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.85 | 172 | 13802 | 0.41 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.02 | 212 | 26440 | 0.43 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.63 | 244 | 18336 | 0.41 | ng | 0.00  |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 1528  | 0.383 | ng | 98     |
| 3) n-Nitrosodimethylamine      | 3.57  | 42  | 1364m | 0.405 | ng |        |
| 6) bis(2-Chloroethyl)ether     | 7.05  | 93  | 4061  | 0.404 | ng | 99     |
| 9) Naphthalene                 | 10.42 | 128 | 14942 | 0.405 | ng | 98     |
| 10) Hexachlorobutadiene        | 10.72 | 225 | 3679  | 0.411 | ng | # 99   |
| 12) 2-Methylnaphthalene        | 12.04 | 142 | 10279 | 0.402 | ng | 99     |
| 16) Acenaphthylene             | 13.95 | 152 | 12797 | 0.370 | ng | 100    |
| 17) Acenaphthene               | 14.30 | 154 | 10045 | 0.408 | ng | 99     |
| 18) Fluorene                   | 15.29 | 166 | 12899 | 0.394 | ng | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.19 | 248 | 4671  | 0.381 | ng | # 89   |
| 21) Hexachlorobenzene          | 16.31 | 284 | 5399  | 0.429 | ng | 99     |
| 22) Pentachlorophenol          | 16.65 | 266 | 1367  | 0.317 | ng | 98     |
| 23) Phenanthrene               | 17.02 | 178 | 22521 | 0.406 | ng | 100    |
| 24) Anthracene                 | 17.11 | 178 | 17771 | 0.374 | ng | 100    |
| 26) Fluoranthene               | 19.05 | 202 | 26697 | 0.392 | ng | 100    |
| 28) Pyrene                     | 19.41 | 202 | 27131 | 0.421 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.16 | 228 | 24824 | 0.376 | ng | 99     |
| 31) Chrysene                   | 21.22 | 228 | 28890 | 0.408 | ng | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 6921  | 0.311 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 31630 | 0.417 | ng | 100    |
| 35) Benzo(b)fluoranthene       | 22.71 | 252 | 27495 | 0.398 | ng | 100    |
| 36) Benzo(k)fluoranthene       | 22.75 | 252 | 29223 | 0.415 | ng | 98     |
| 37) Benzo(a)pyrene             | 23.26 | 252 | 23036 | 0.395 | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.51 | 278 | 25798 | 0.409 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 26.14 | 276 | 26230 | 0.413 | ng | 99     |

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

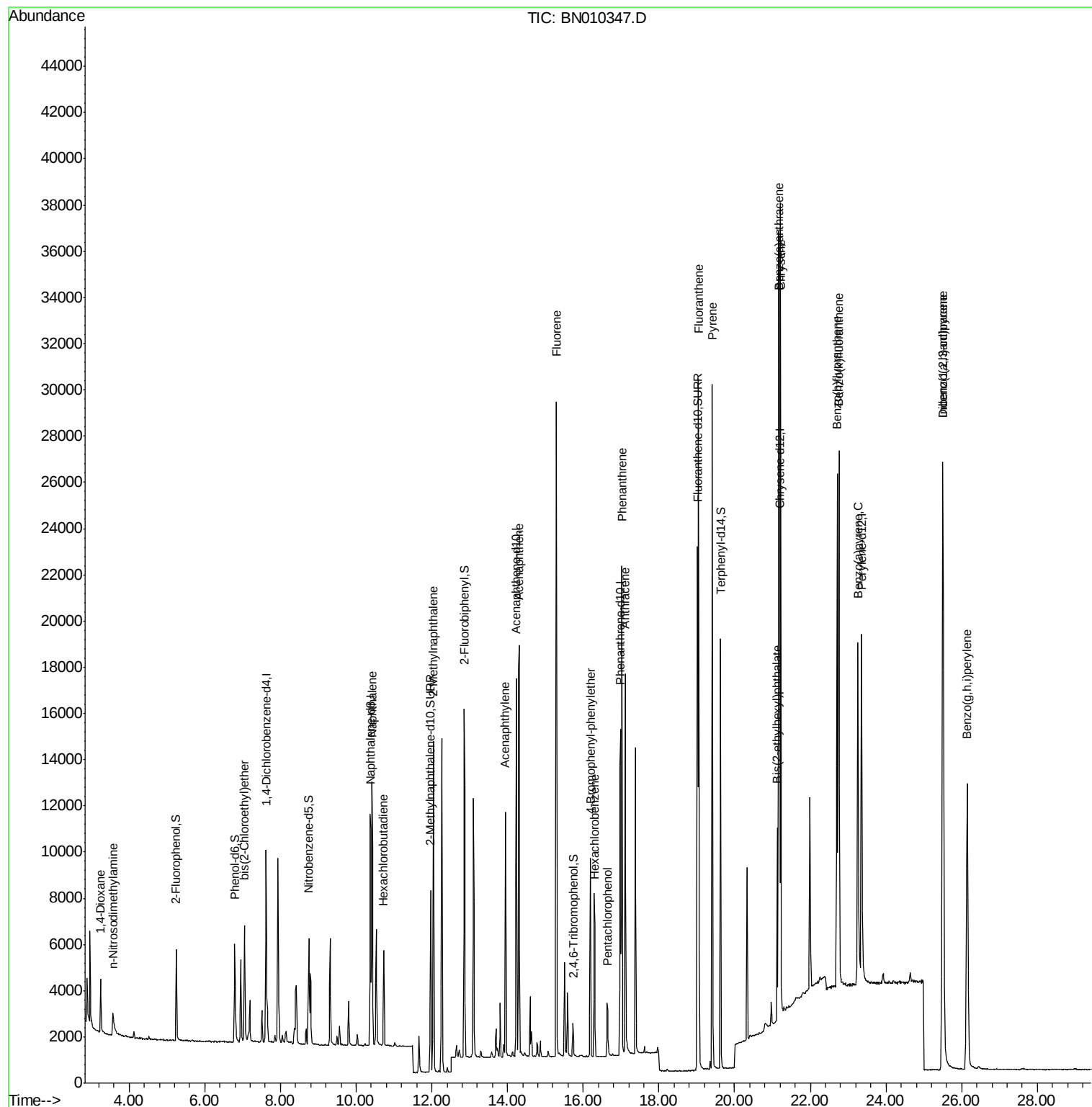
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\  
Data File : BN010347.D  
Acq On : 25 Mar 2020 03:40  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

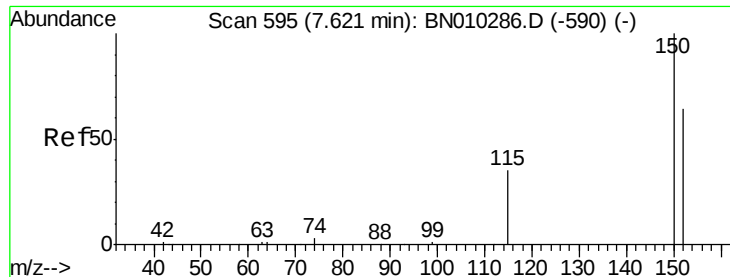
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
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3/25/2020 12:28:58 PM

Quant Time: Mar 25 04:12:06 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

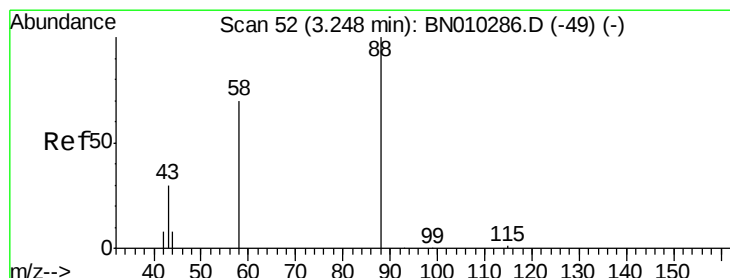
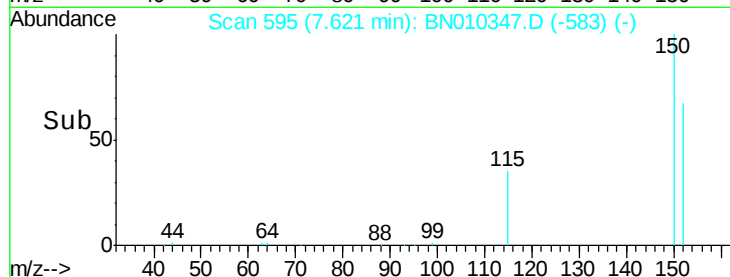
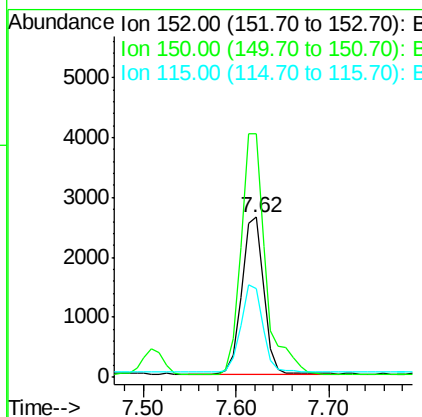
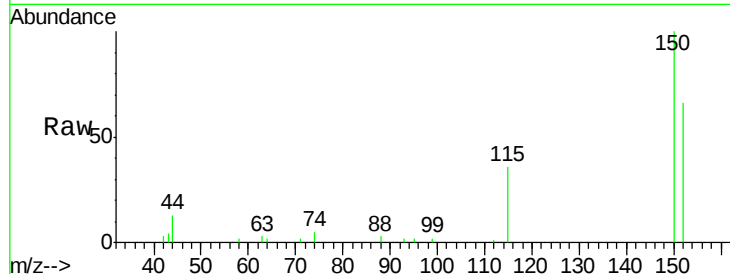
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 595  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.0 | 123.1 | 184.7 |
| 115     | 55.1  | 45.2  | 67.8  |

Manual Integrations  
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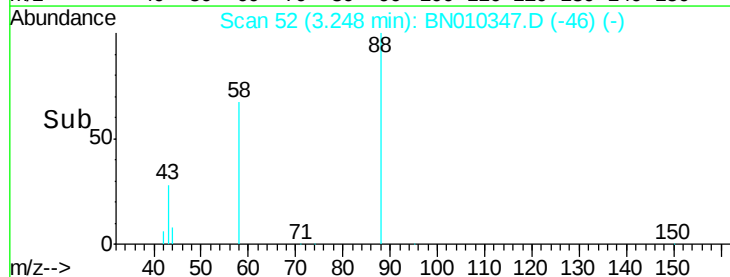
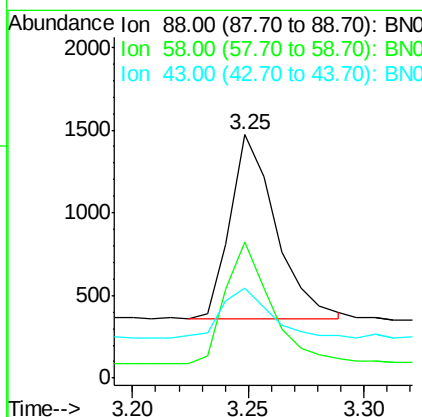
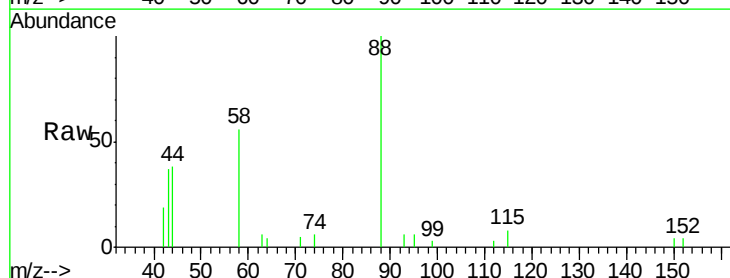
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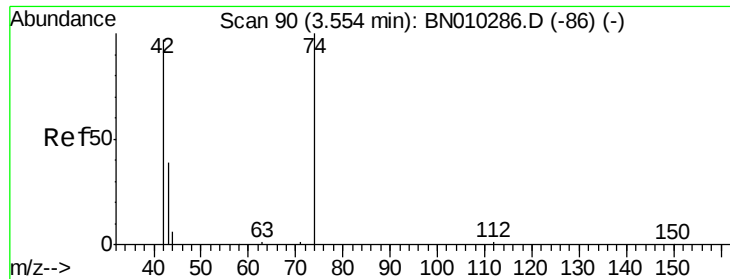


#2

1,4-Dioxane  
Concen: 0.383 ng  
RT: 3.25 min Scan# 52  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.0  | 51.7  | 77.5  |
| 43      | 28.5  | 21.2  | 31.8  |





#3

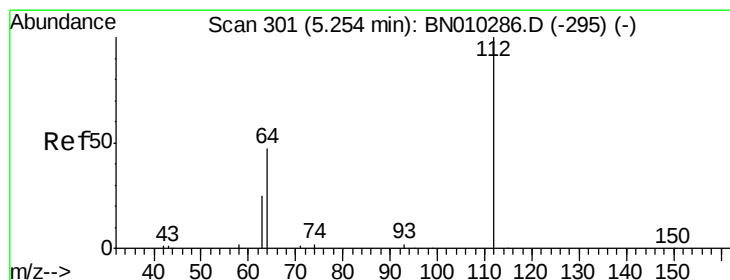
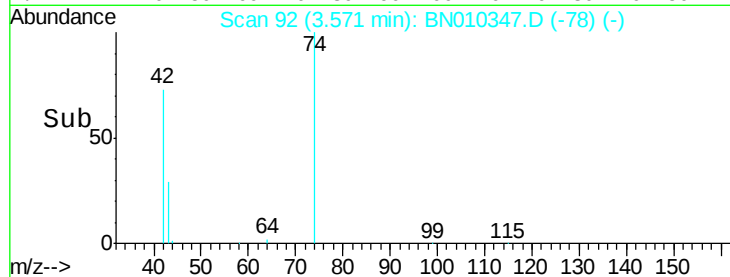
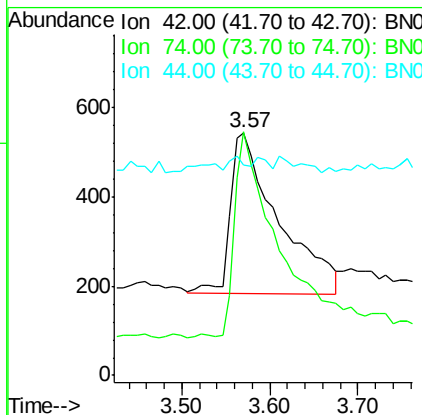
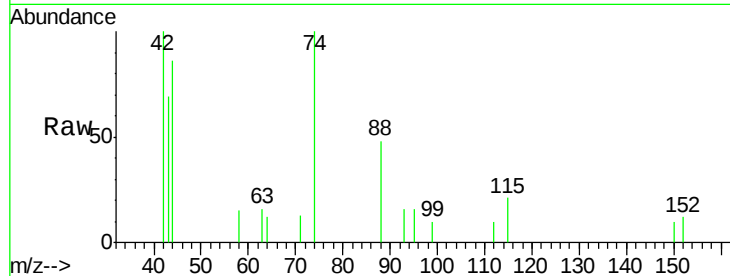
n-Nitrosodimethylamine  
 Concen: 0.405 ng/ml  
 RT: 3.57 min Scan# 92  
 Delta R.T. 0.02 min  
 Lab File: BN010347.D  
 Acq: 25 Mar 2020 03:40

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 88.0  | 99.4  | 149.0# |
| 44      | 2.7   | 4.8   | 7.2#   |

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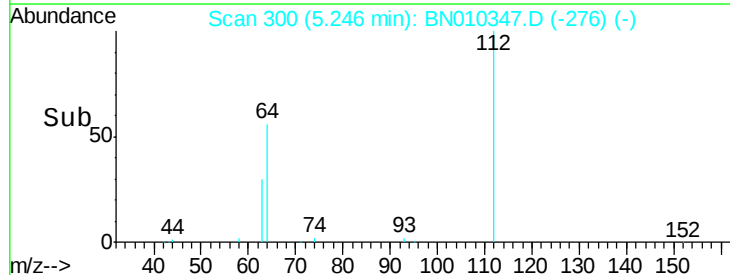
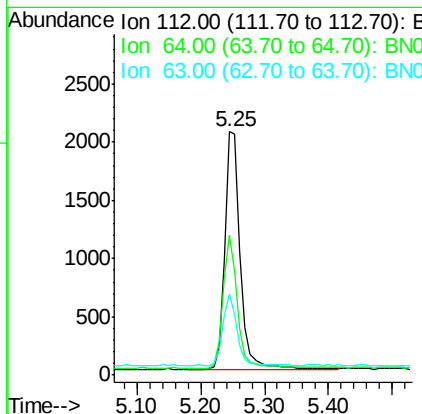
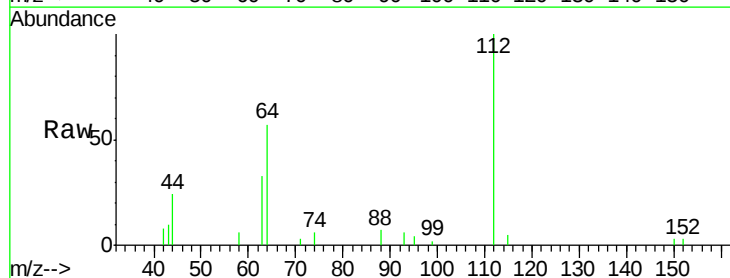
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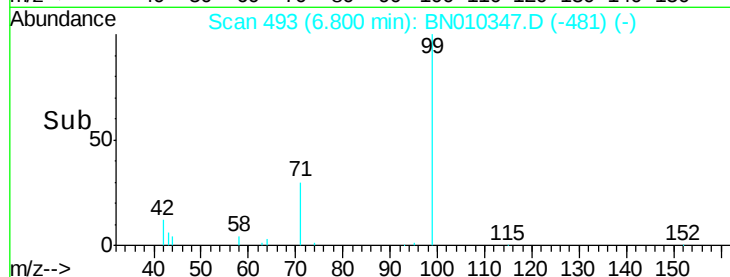
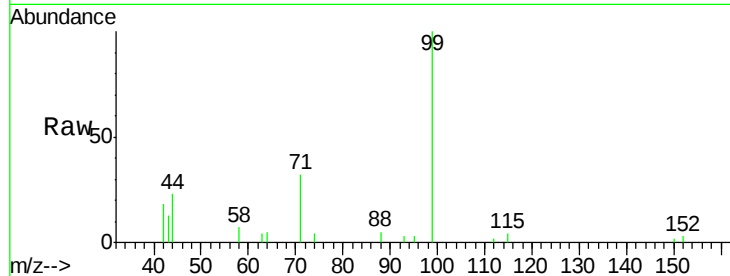
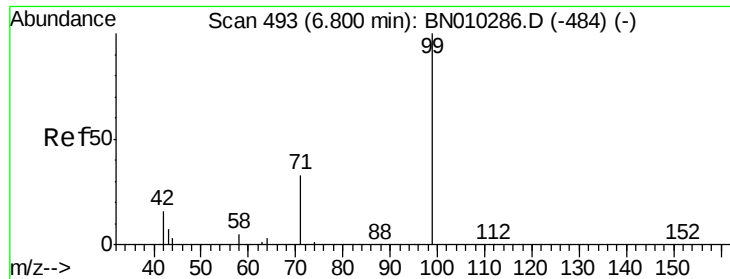


#4

2-Fluorophenol  
 Concen: 0.404 ng/ml  
 RT: 5.25 min Scan# 300  
 Delta R.T. -0.01 min  
 Lab File: BN010347.D  
 Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.5  | 41.4  | 62.2  |
| 63      | 28.0  | 22.9  | 34.3  |





#5

Phenol-d6

Concen: 0.402 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 4201  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.6  | 14.8  | 22.2  |
| 71       | 34.5  | 27.3  | 40.9  |

Instrument :

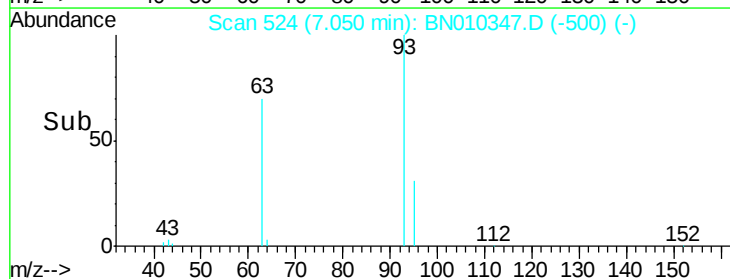
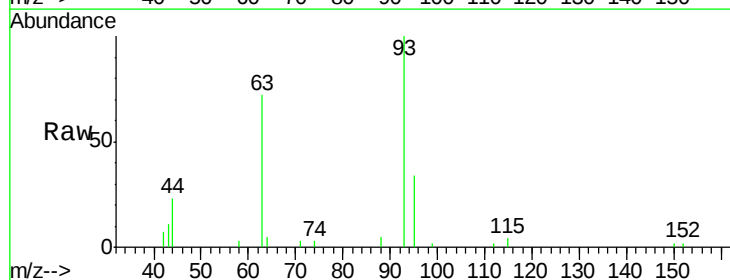
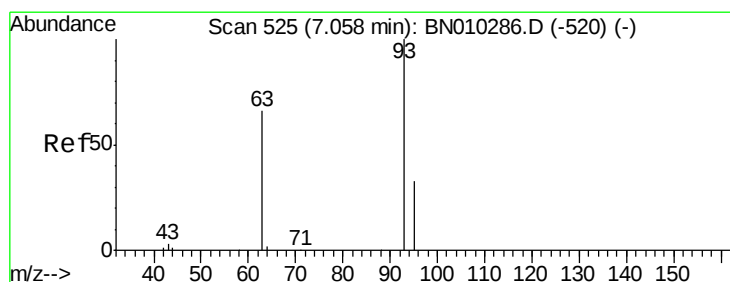
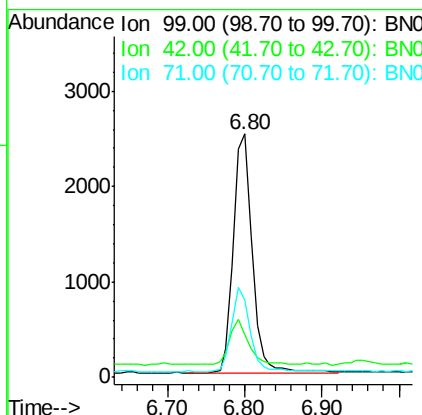
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

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#6

bis(2-Chloroethyl)ether

Concen: 0.404 ng

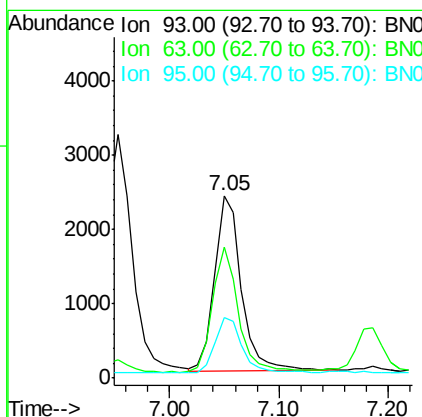
RT: 7.05 min Scan# 524

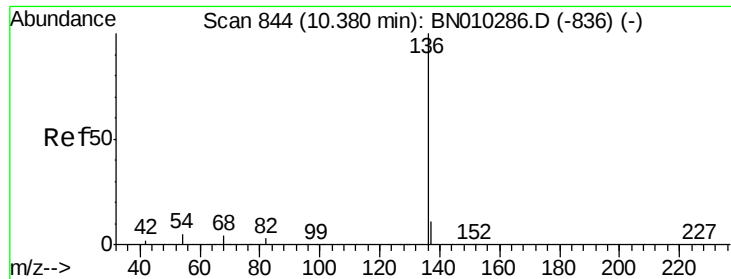
Delta R.T. -0.01 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4061  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 69.0  | 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: BN010347.D

Acq: 25 Mar 2020 03:40

Instrument :

BNA\_N

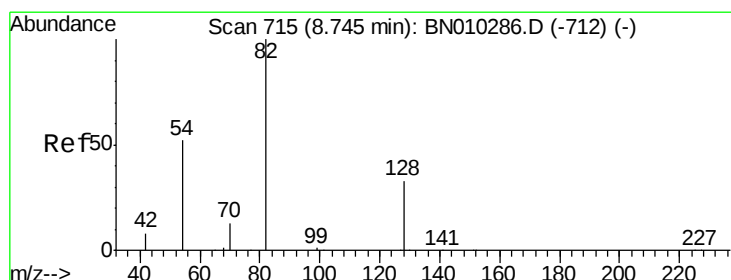
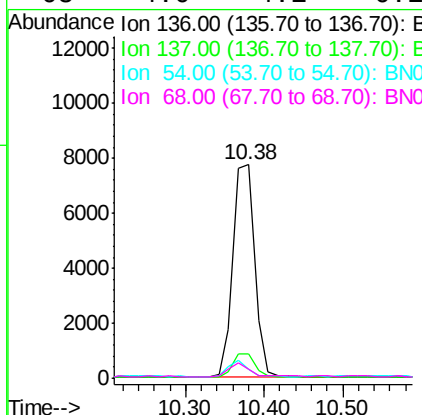
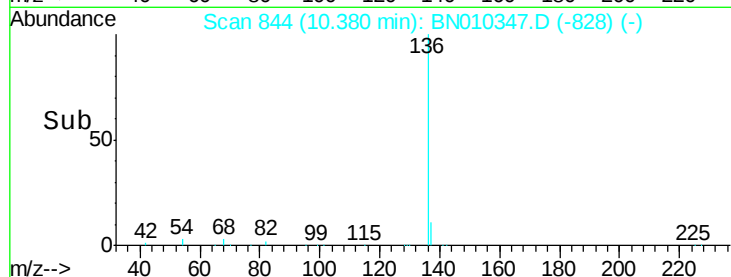
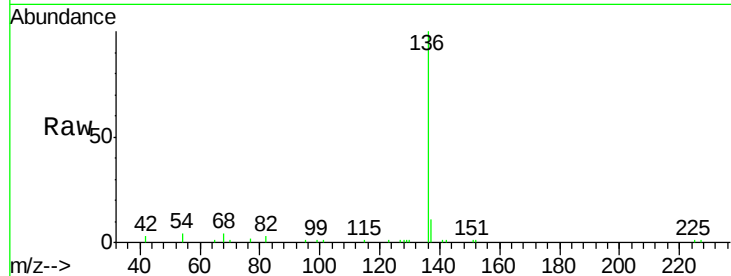
ClientSampleId :

SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.5  | 9.3   | 13.9  |
| 54      | 4.0   | 4.8   | 7.2#  |
| 68      | 4.0   | 4.1   | 6.1#  |

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#8

Nitrobenzene-d5

Concen: 0.387 ng

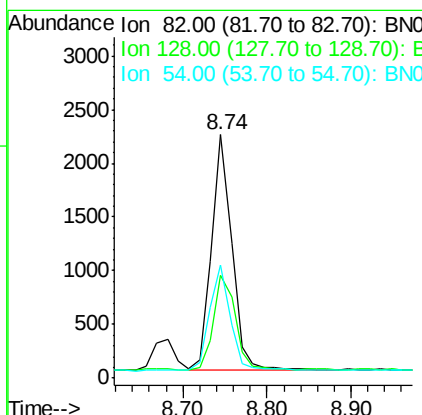
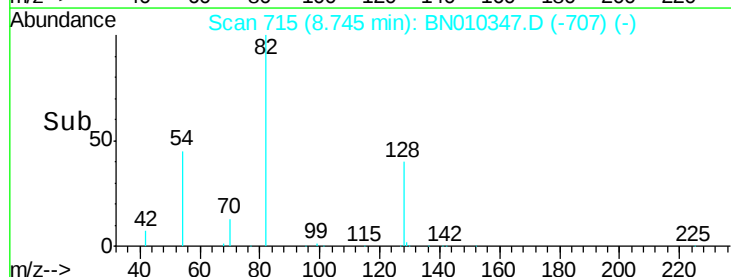
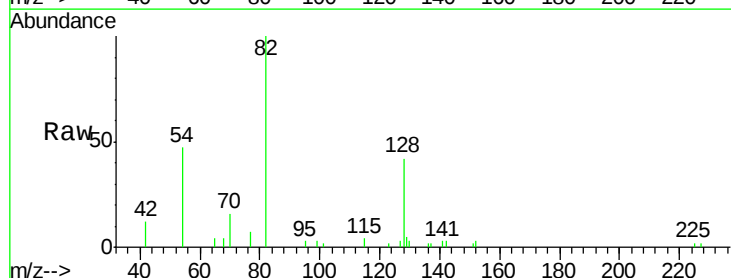
RT: 8.74 min Scan# 715

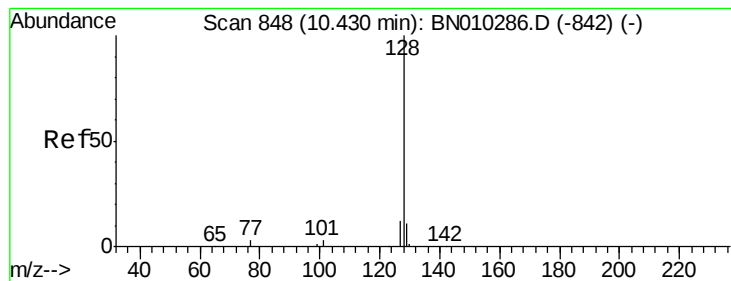
Delta R.T. 0.00 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.1  | 28.8  | 43.2  |
| 54      | 46.6  | 42.1  | 63.1  |





#9

Naphthalene

Concen: 0.405 ng

RT: 10.42 min Scan# 847

Delta R.T. -0.01 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

Instrument :

BNA\_N

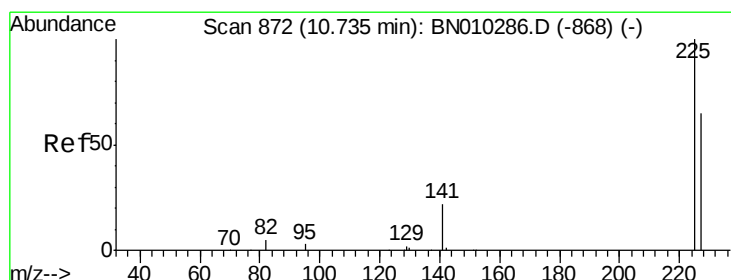
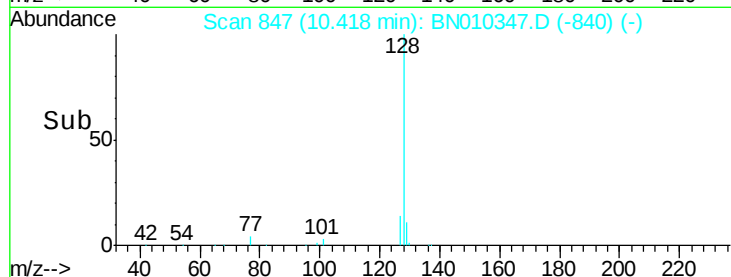
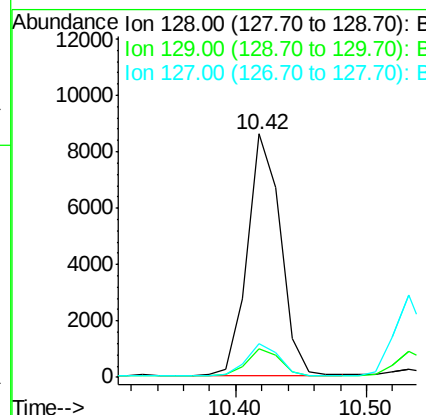
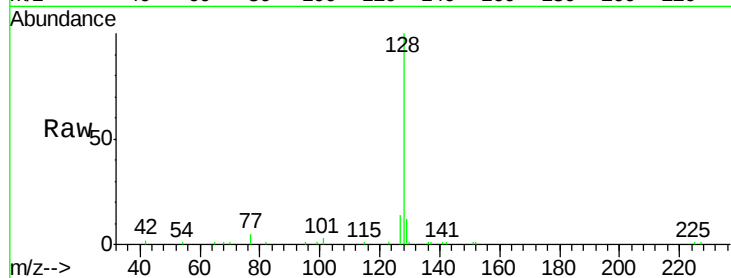
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 14942 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.7  | 9.1   | 13.7  |
| 127       | 14.1  | 10.4  | 15.6  |

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#10

Hexachlorobutadiene

Concen: 0.411 ng

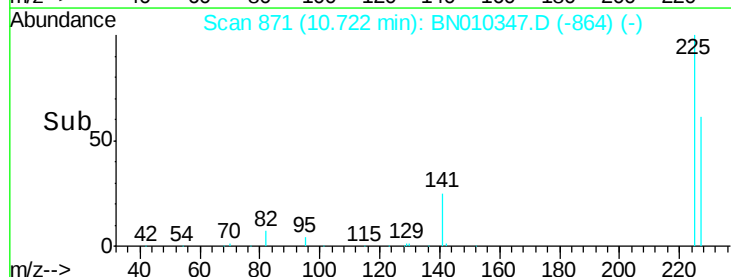
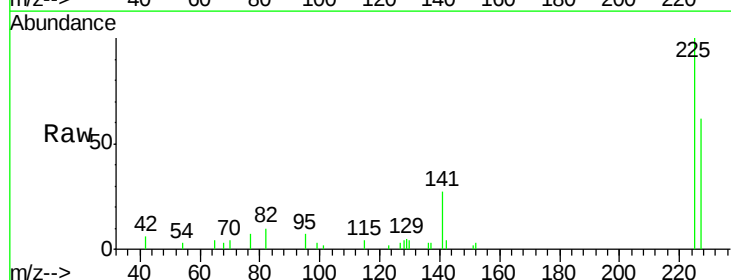
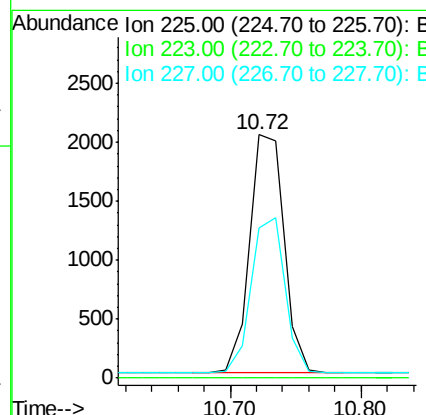
RT: 10.72 min Scan# 871

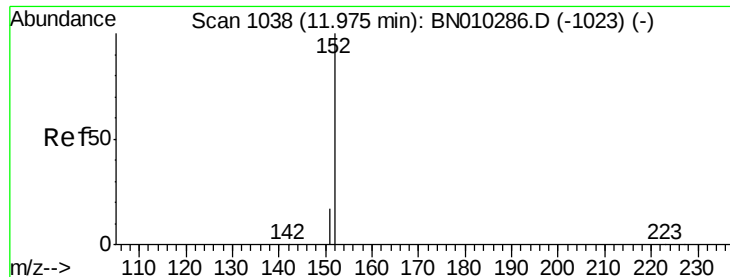
Delta R.T. -0.01 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3679 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 64.0  | 51.9  | 77.9 |





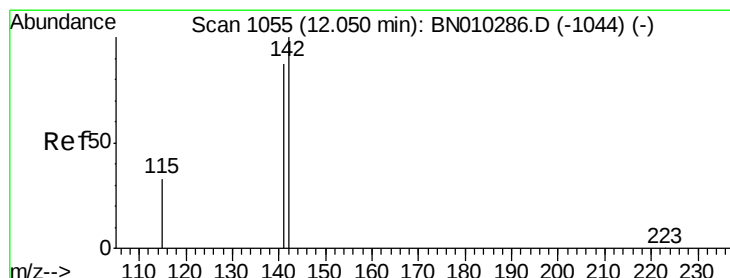
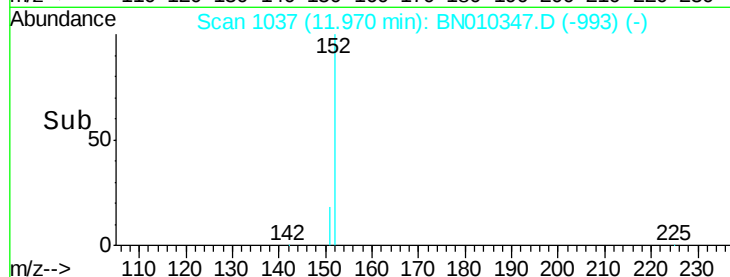
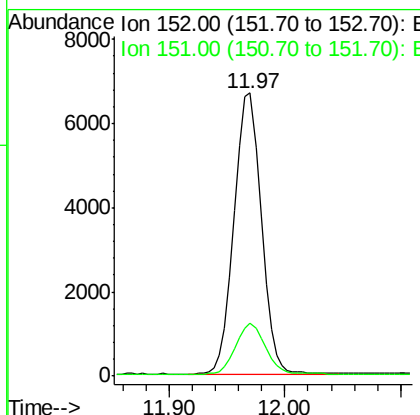
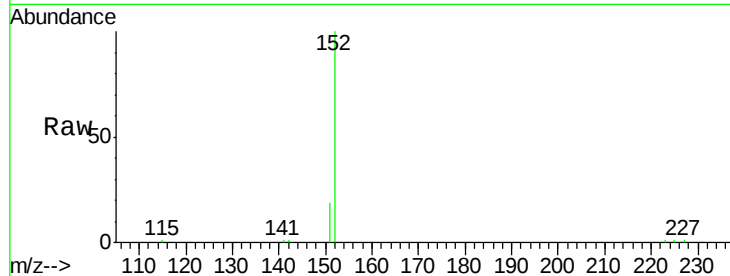
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.449 ng  
 RT: 11.97 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BN010347.D  
 Acq: 25 Mar 2020 03:40

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

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

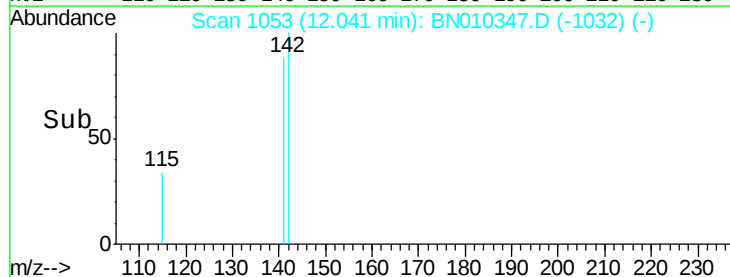
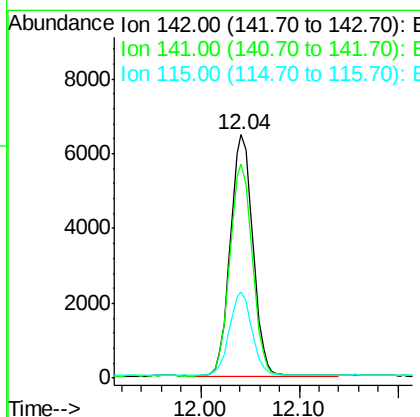
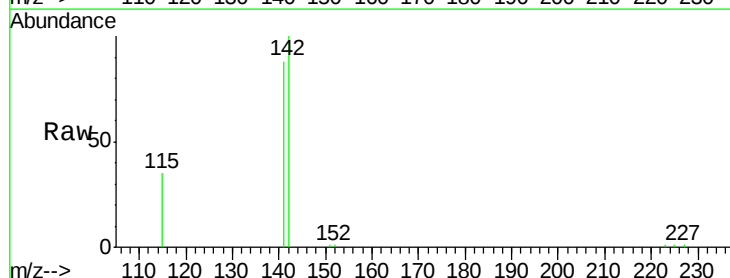
Manual Integrations  
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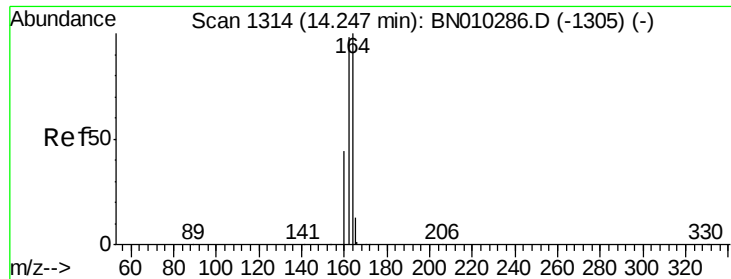
mohammad  
 3/25/2020 12:28:58 PM



#12  
 2-Methylnaphthalene  
 Concen: 0.402 ng  
 RT: 12.04 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: BN010347.D  
 Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 69.5  | 104.3 |
| 115     | 35.3  | 27.5  | 41.3  |





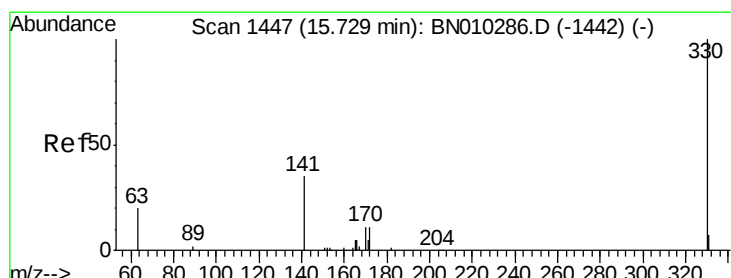
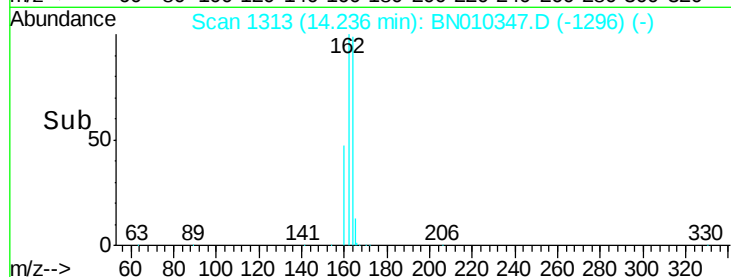
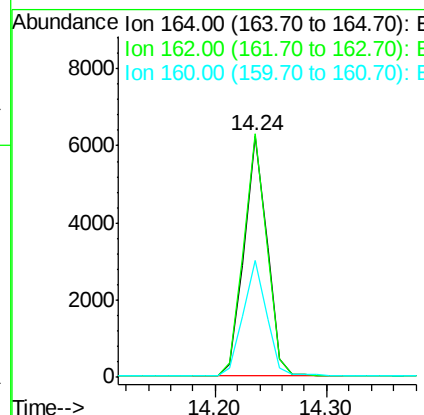
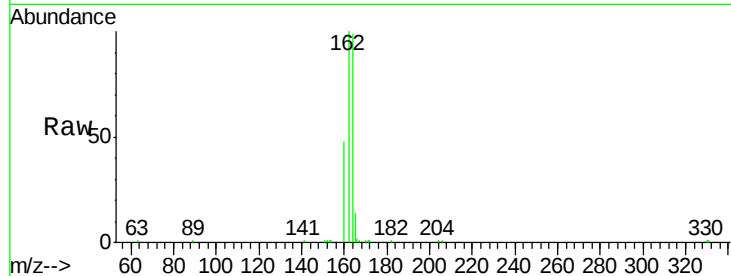
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.24 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.0 | 78.2  | 117.2 |
| 160     | 48.2  | 35.8  | 53.6  |

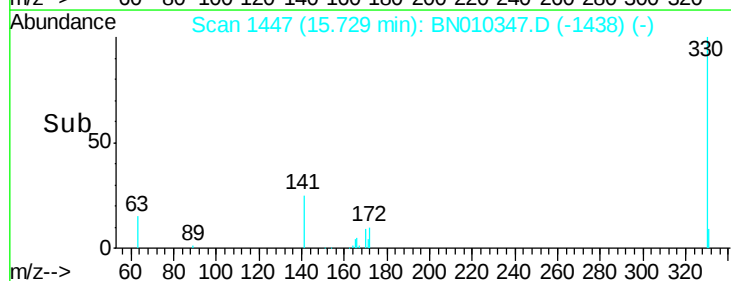
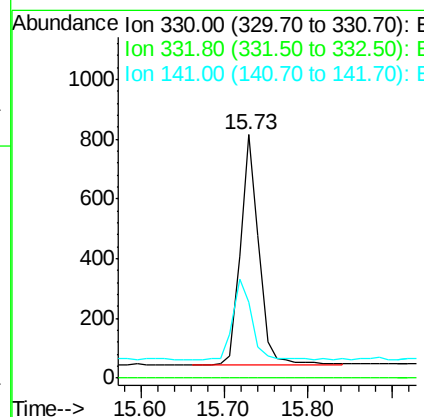
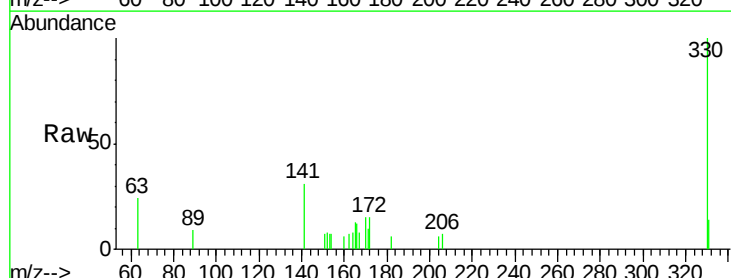
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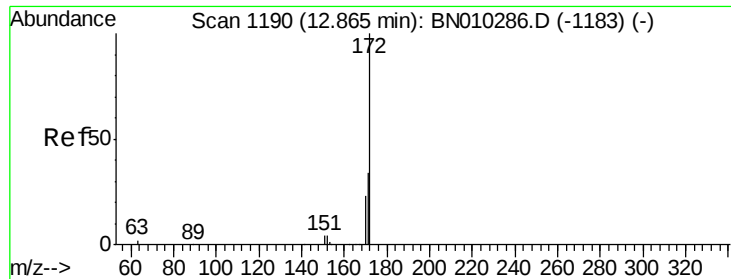
mohammad  
3/25/2020 12:28:58 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.346 ng  
RT: 15.73 min Scan# 1447  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 35.1  | 29.3  | 43.9  |





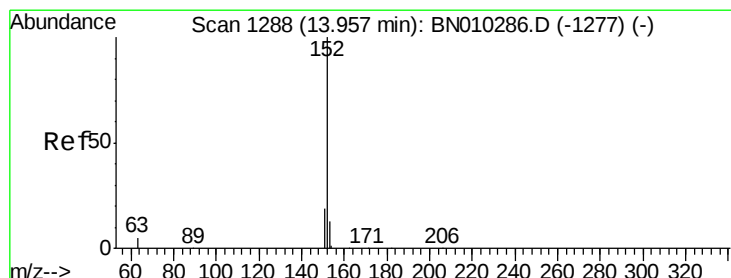
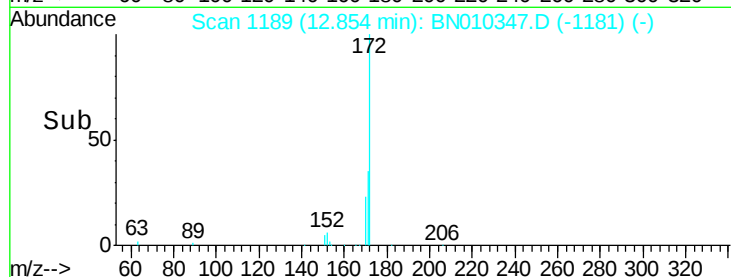
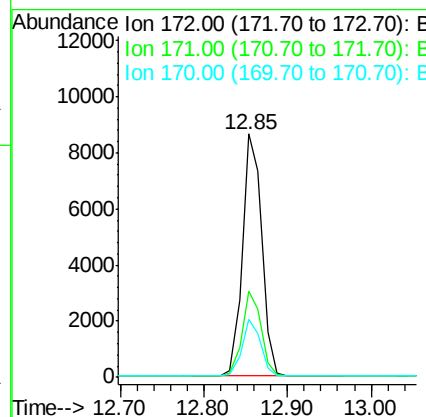
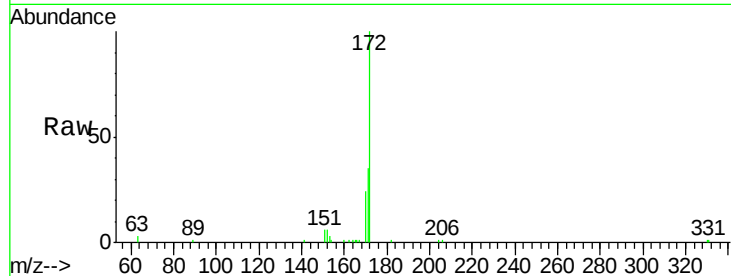
#15  
2-Fluorobiphenyl  
Concen: 0.409 ng  
RT: 12.85 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 27.6  | 41.4  |
| 170     | 23.9  | 18.5  | 27.7  |

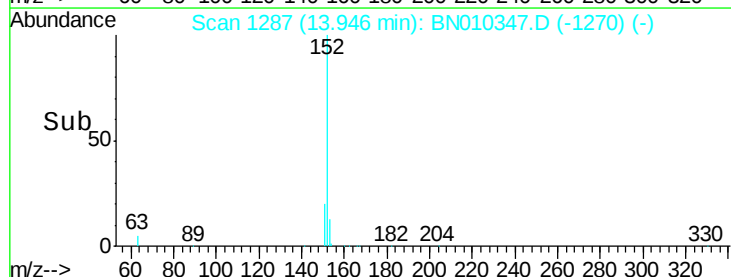
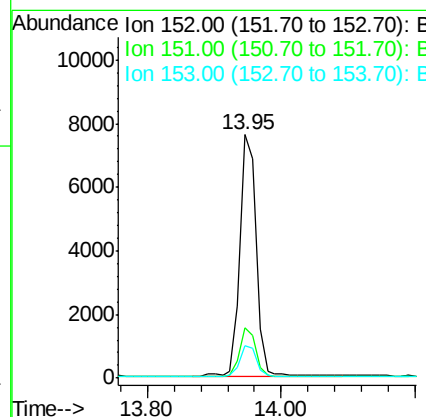
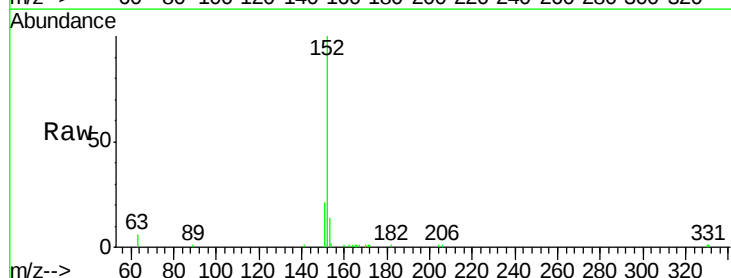
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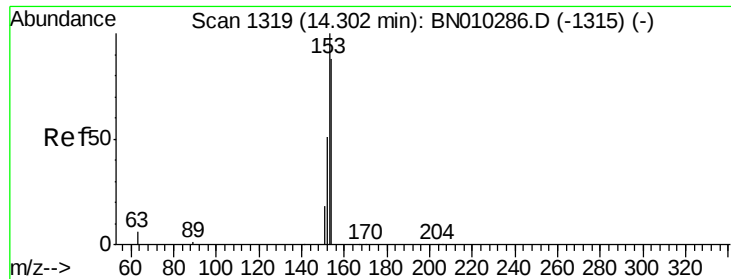
mohammad  
3/25/2020 12:28:58 PM



#16  
Acenaphthylene  
Concen: 0.370 ng  
RT: 13.95 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 15.6  | 23.4  |
| 153     | 13.1  | 10.6  | 15.8  |





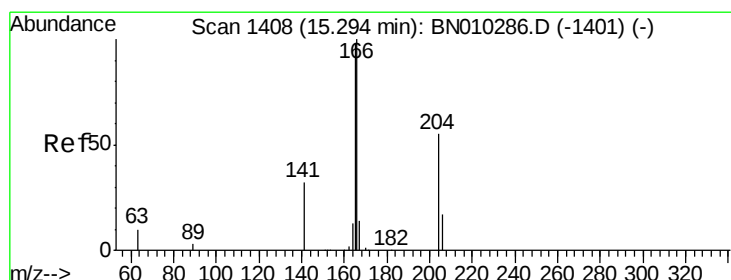
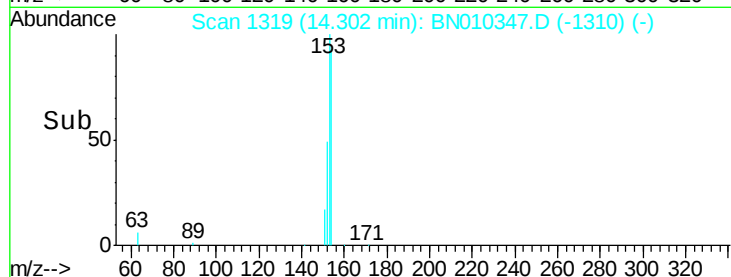
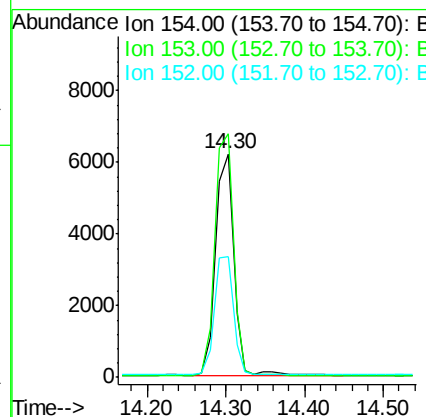
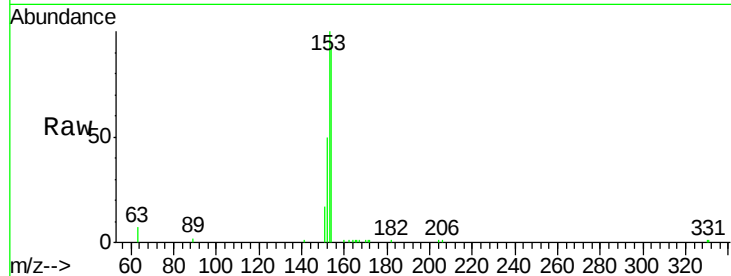
#17  
Acenaphthene  
Concen: 0.408 ng  
RT: 14.30 min Scan# 1319  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 109.8 | 88.1  | 132.1 |
| 152     | 56.2  | 45.5  | 68.3  |

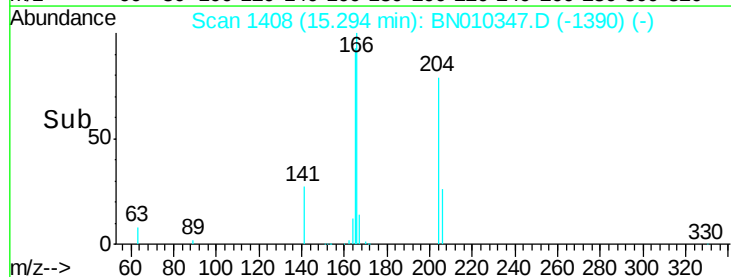
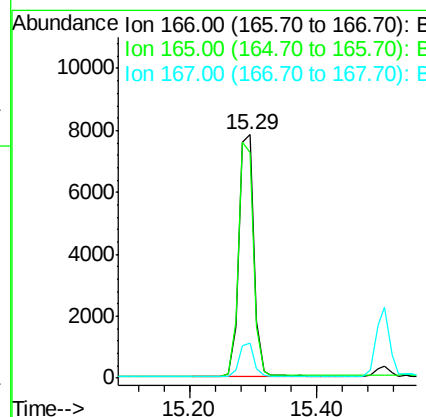
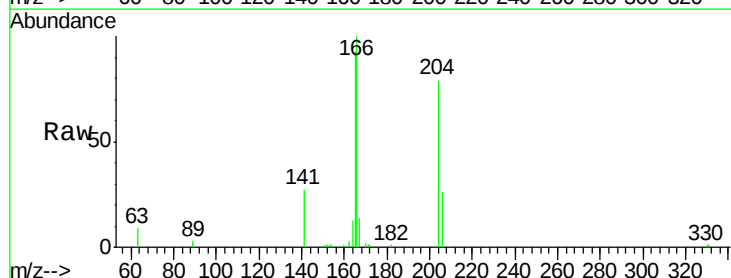
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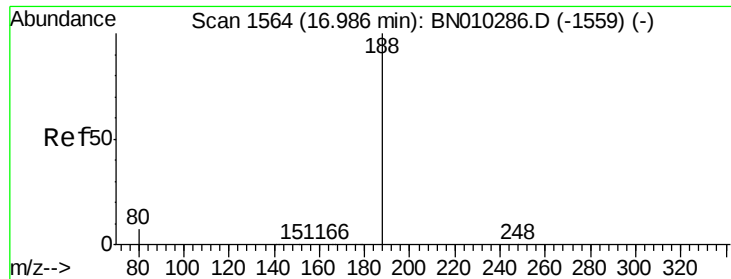
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#18  
Fluorene  
Concen: 0.394 ng  
RT: 15.29 min Scan# 1408  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.7  | 78.7  | 118.1 |
| 167     | 13.4  | 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: BN010347.D

Acq: 25 Mar 2020 03:40

Instrument :

BNA\_N

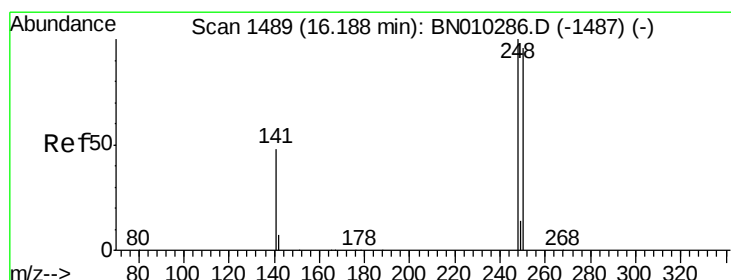
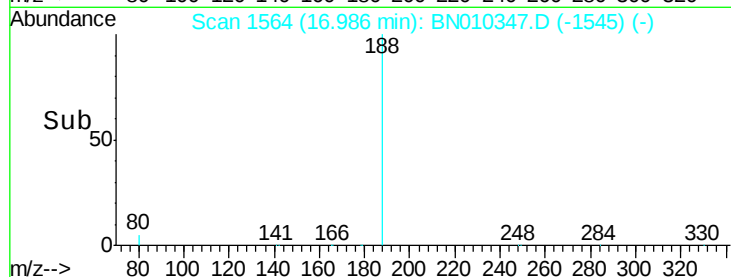
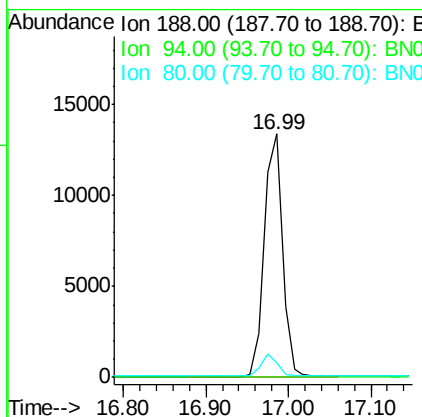
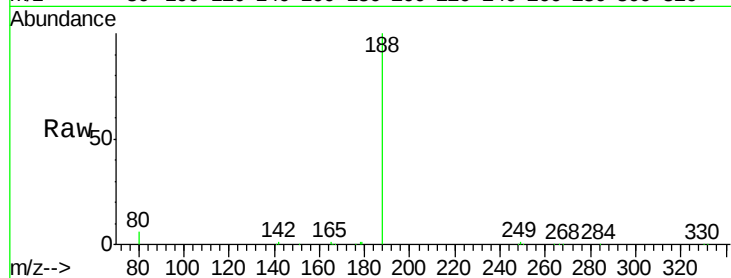
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 20195 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 5.8   | 6.0   | 9.0#  |

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#20

4-Bromophenyl-phenylether

Concen: 0.381 ng

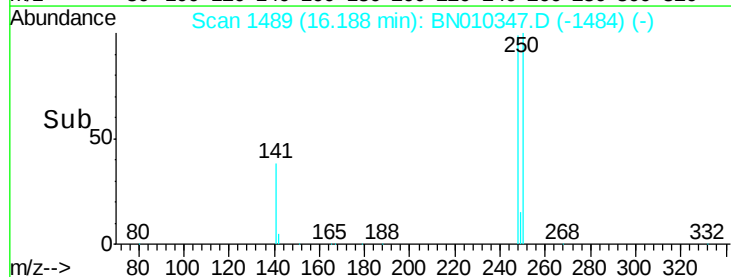
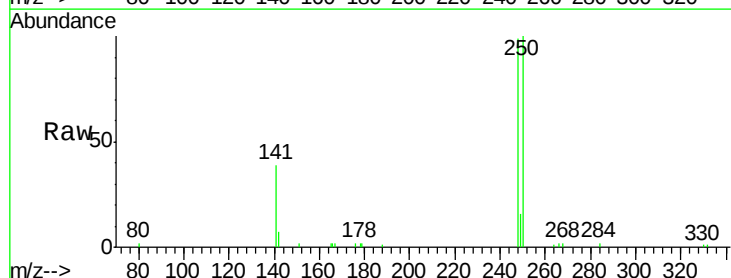
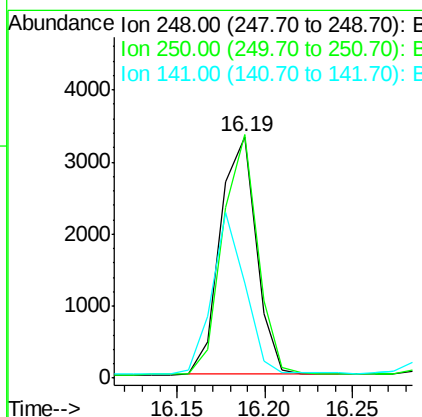
RT: 16.19 min Scan# 1489

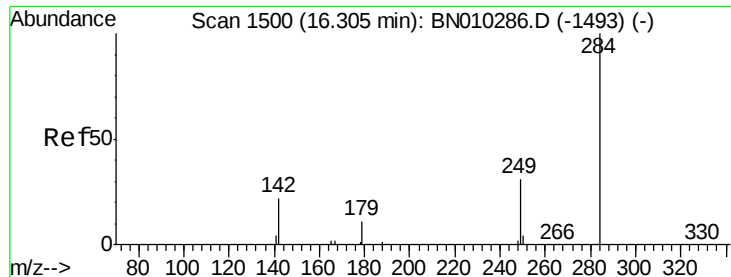
Delta R.T. 0.00 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 4671  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 100.9 | 76.8  | 115.2 |
| 141       | 39.5  | 44.4  | 66.6# |





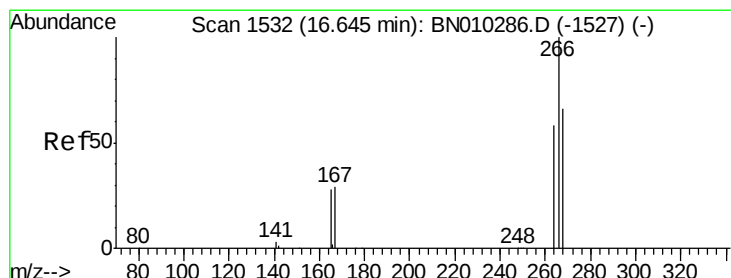
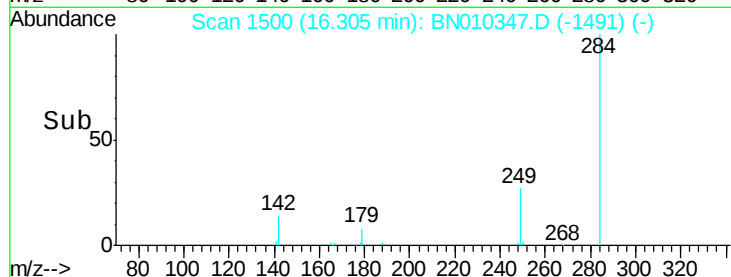
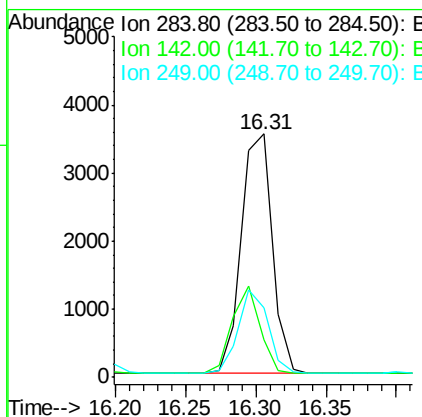
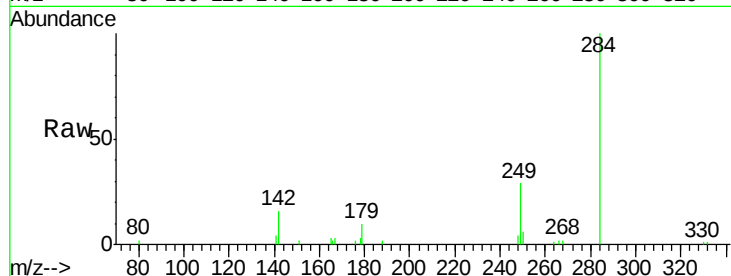
#21  
Hexachlorobenzene  
Concen: 0.429 ng  
RT: 16.31 min Scan# 1500  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.2  | 27.4  | 41.2  |
| 249     | 33.4  | 26.5  | 39.7  |

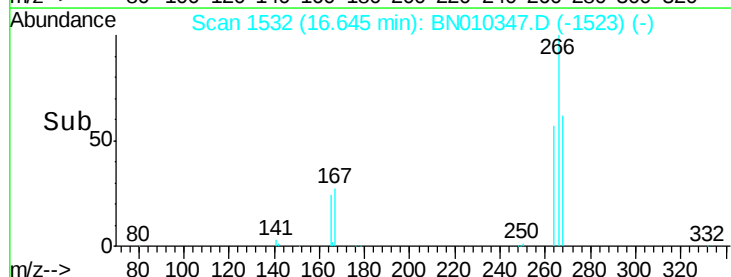
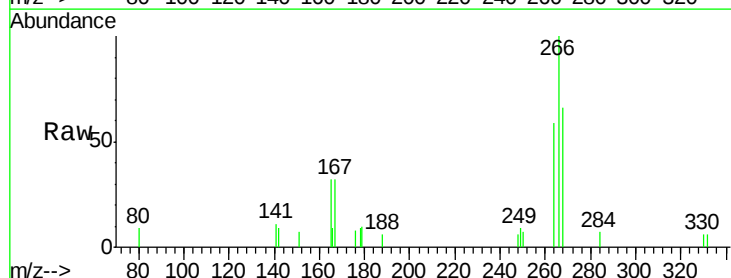
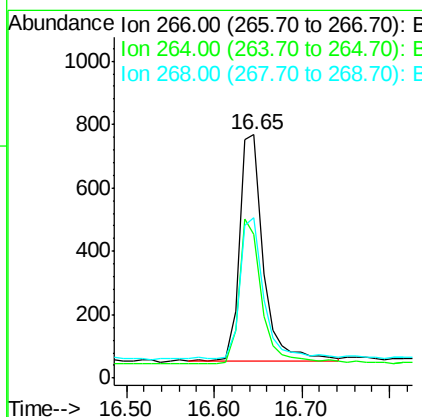
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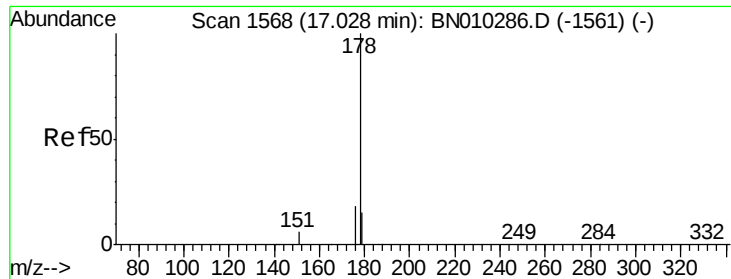
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#22  
Pentachlorophenol  
Concen: 0.317 ng  
RT: 16.65 min Scan# 1532  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 59.0  | 47.7  | 71.5  |
| 268     | 65.6  | 54.9  | 82.3  |





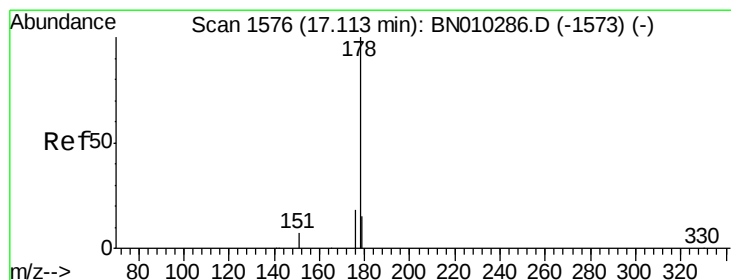
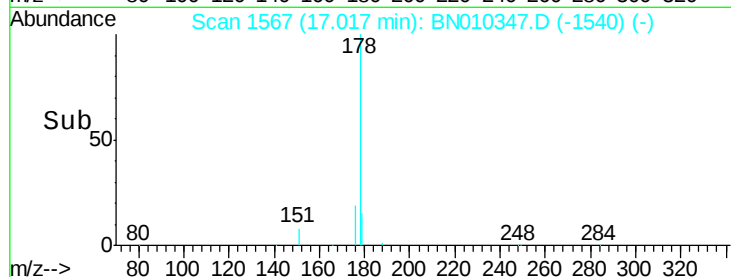
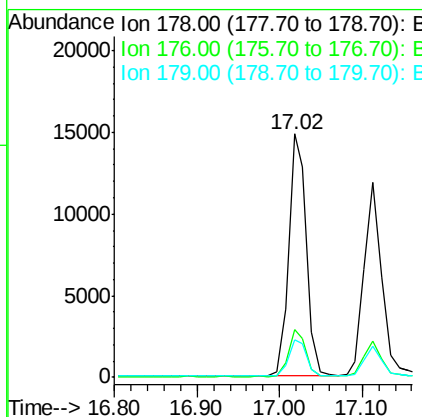
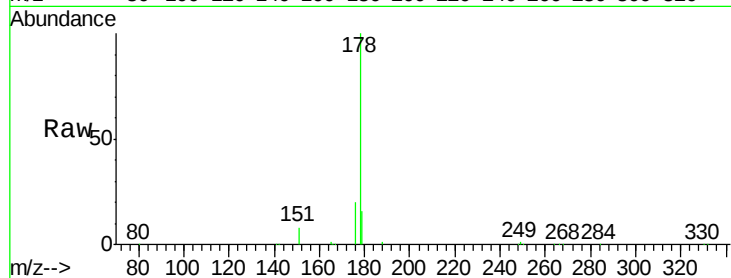
#23  
Phenanthrene  
Concen: 0.406 ng  
RT: 17.02 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.0  | 22.4  |
| 179     | 15.4  | 12.4  | 18.6  |

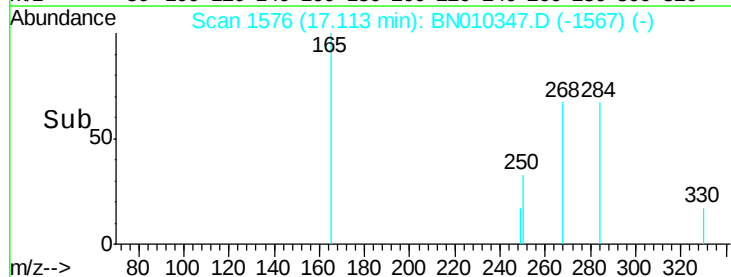
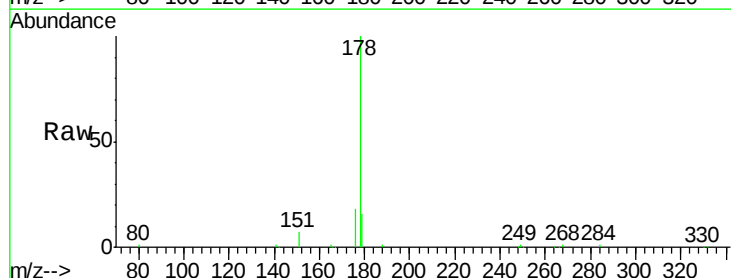
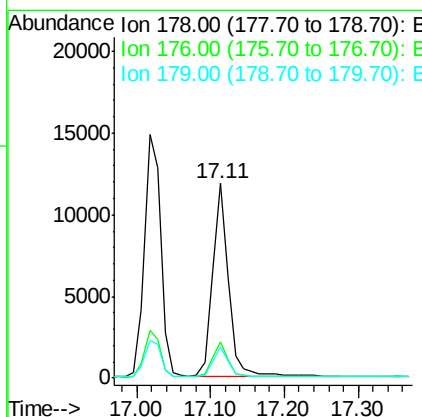
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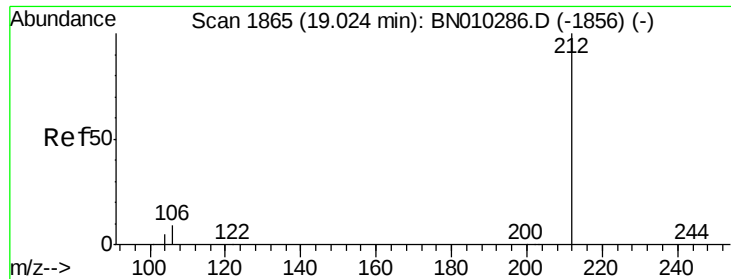
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#24  
Anthracene  
Concen: 0.374 ng  
RT: 17.11 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 14.5  | 21.7  |
| 179     | 15.5  | 12.3  | 18.5  |





#25

Fluoranthene-d10

Concen: 0.434 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

Instrument :

BNA\_N

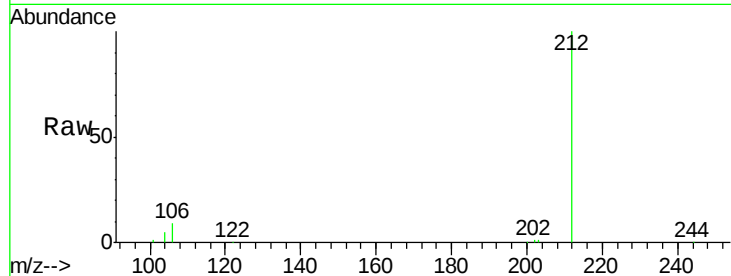
ClientSampleId :

SSTDCCC0.4EC

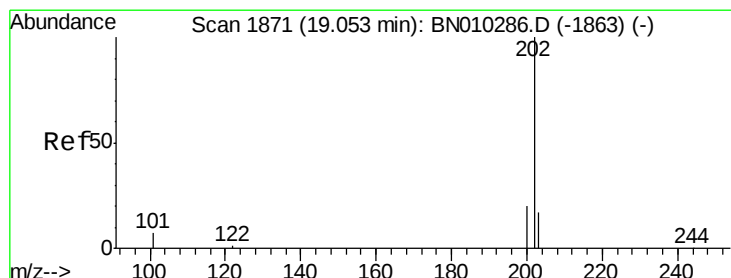
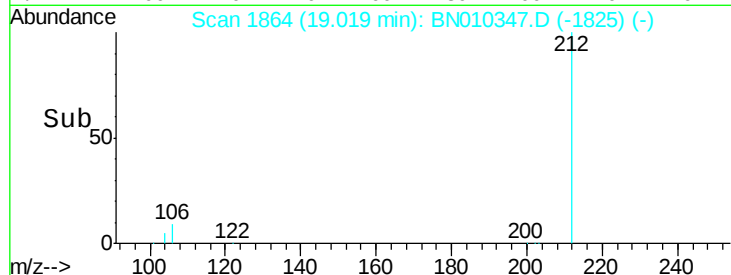
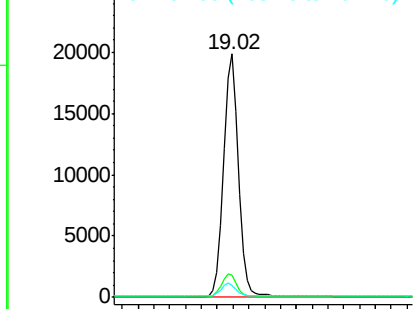
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 26440 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 9.7   | 7.4   | 11.2  |
| 104       | 5.5   | 4.2   | 6.4   |

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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: 0.392 ng

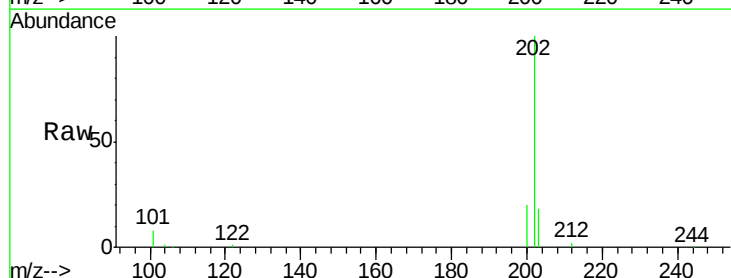
RT: 19.05 min Scan# 1870

Delta R.T. -0.00 min

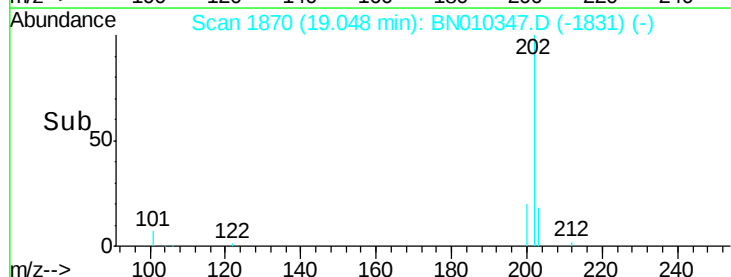
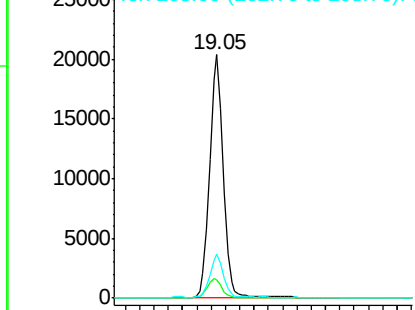
Lab File: BN010347.D

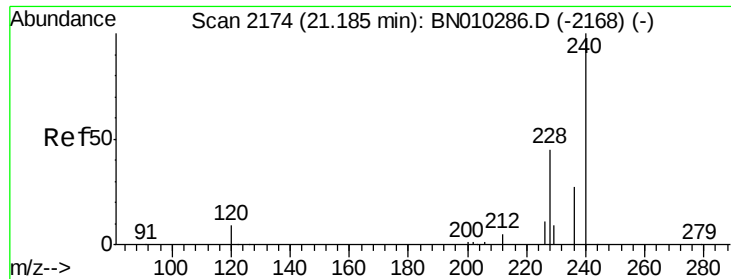
Acq: 25 Mar 2020 03:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 26697 |
| 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





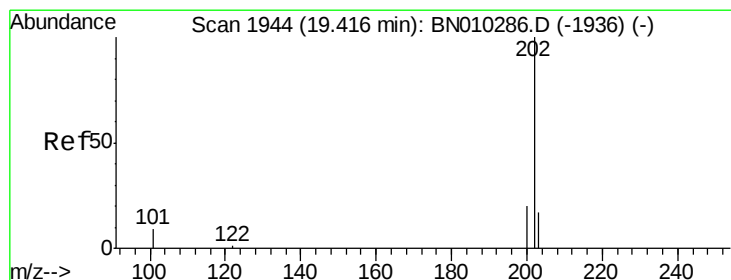
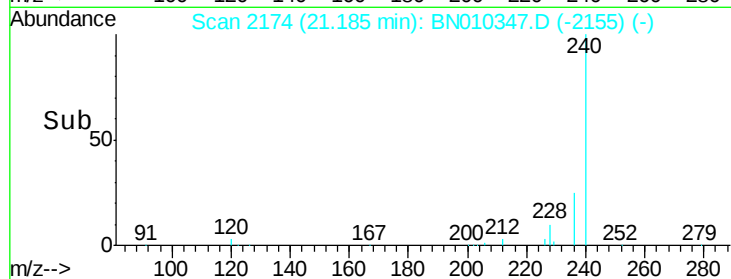
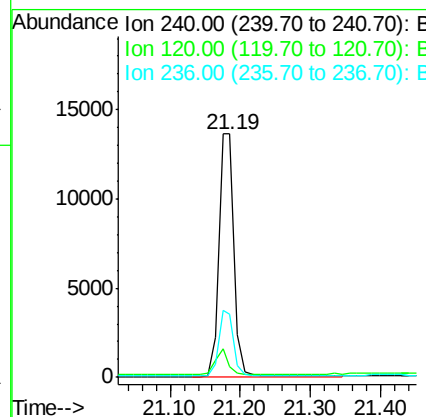
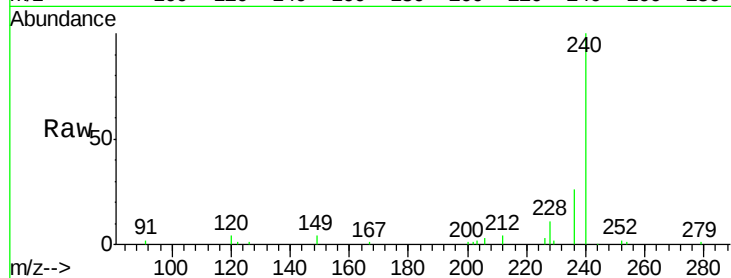
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.19 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.5   | 7.9   | 11.9# |
| 236     | 26.0  | 22.2  | 33.4  |

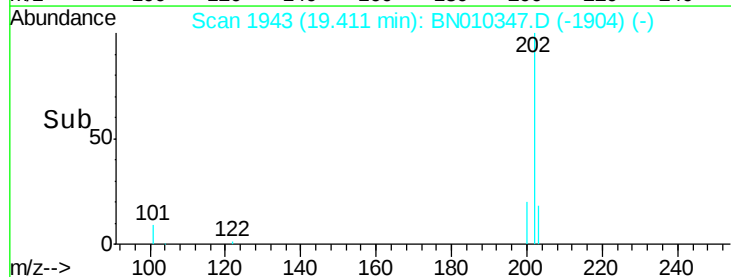
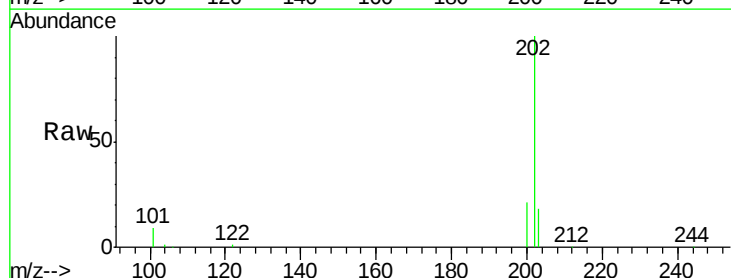
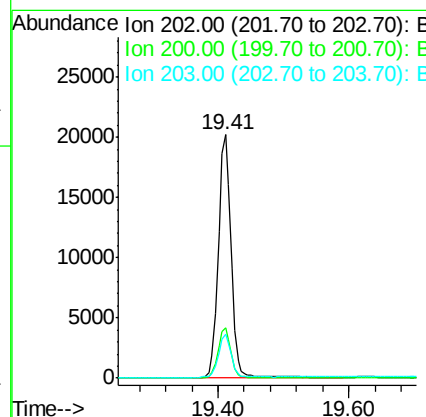
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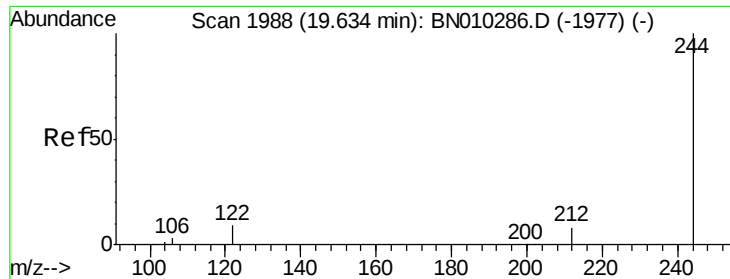
mohammad  
3/25/2020 12:28:58 PM



#28  
Pyrene  
Concen: 0.421 ng  
RT: 19.41 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.1  | 16.2  | 24.4  |
| 203     | 17.6  | 14.2  | 21.2  |





#29

Terphenyl-d14

Concen: 0.410 ng

RT: 19.63 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

Instrument :

BNA\_N

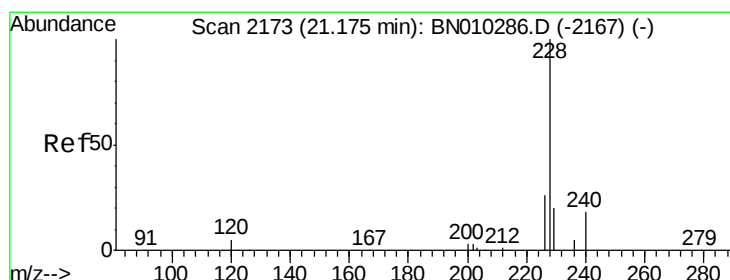
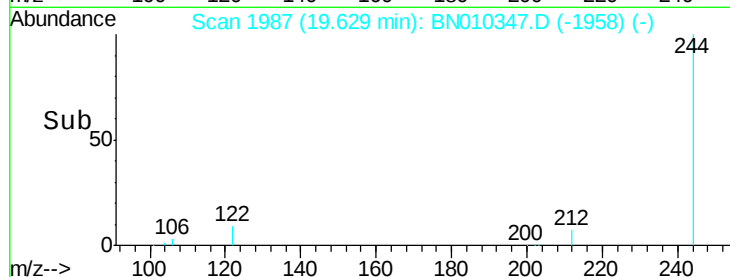
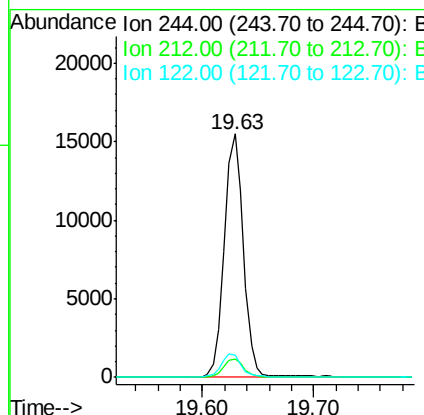
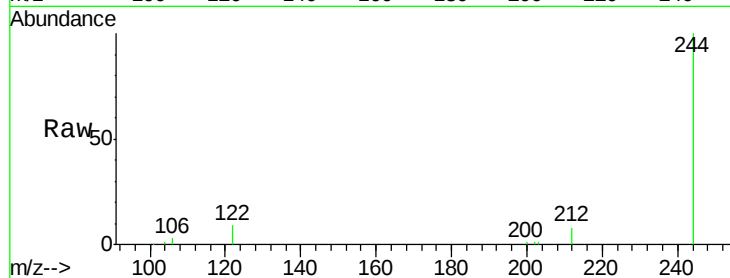
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 18336 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.7   | 6.3   | 9.5   |
| 122       | 9.0   | 7.6   | 11.4  |

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#30

Benzo(a)anthracene

Concen: 0.376 ng

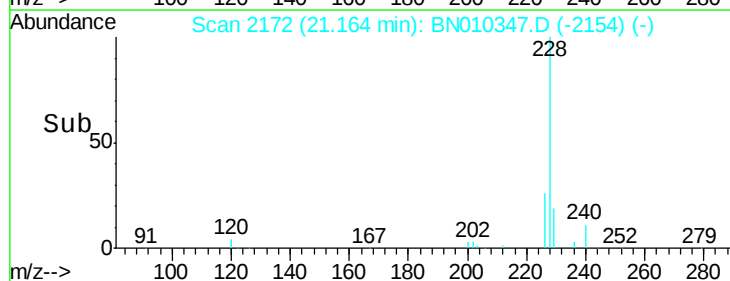
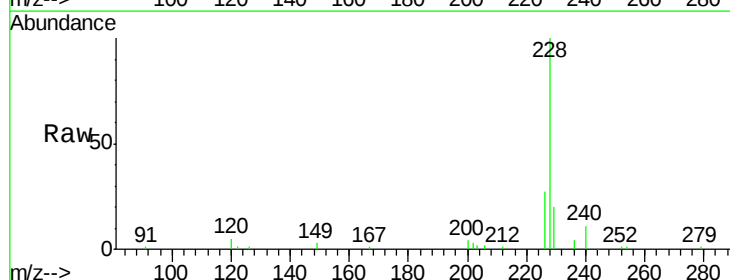
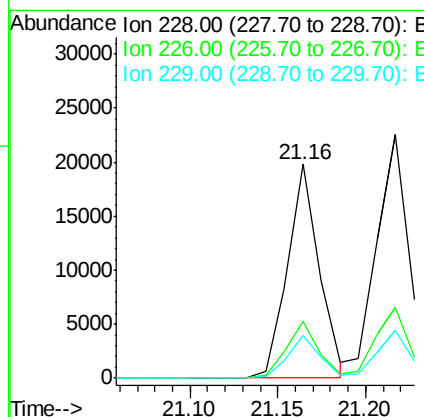
RT: 21.16 min Scan# 2172

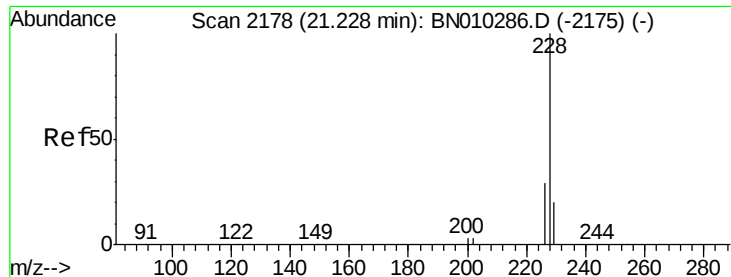
Delta R.T. -0.01 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 24824 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 26.6  | 21.0  | 31.4  |
| 229       | 19.7  | 16.0  | 24.0  |





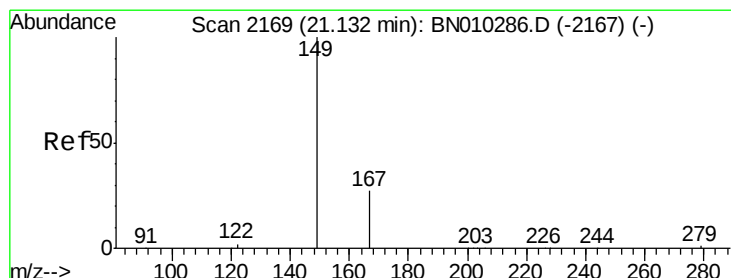
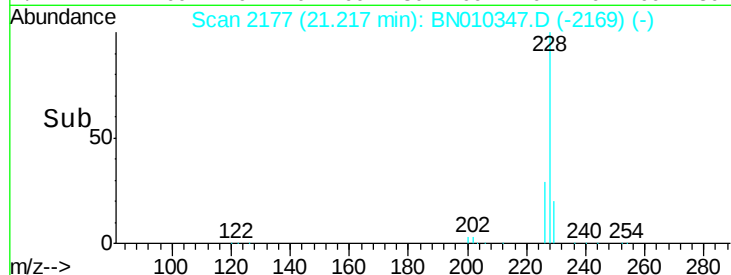
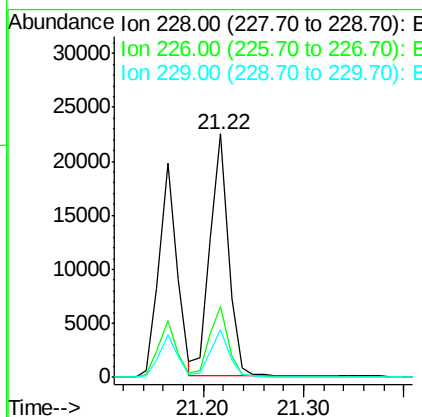
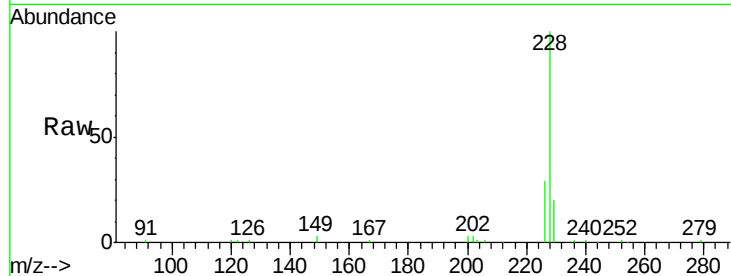
#31  
Chrysene  
Concen: 0.408 ng  
RT: 21.22 min Scan# 2177  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.0  | 23.0  | 34.6  |
| 229     | 19.8  | 16.0  | 24.0  |

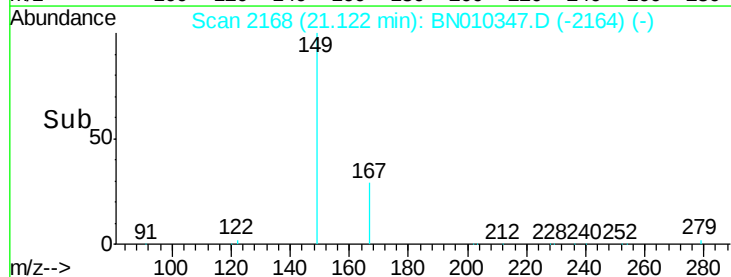
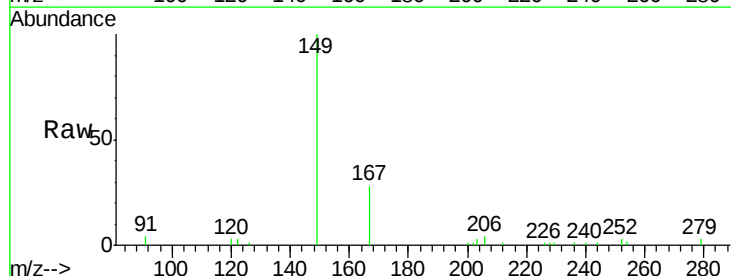
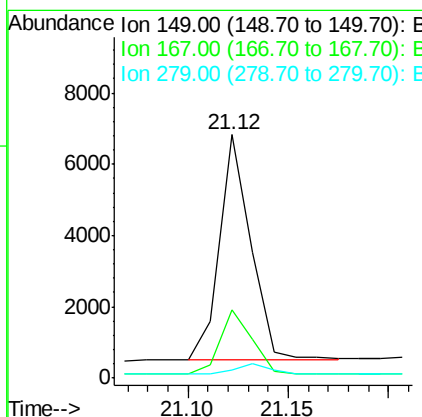
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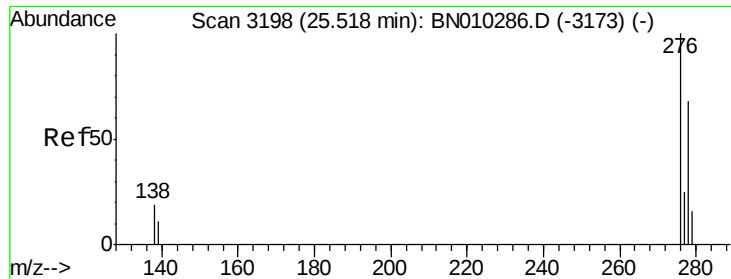
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.311 ng  
RT: 21.12 min Scan# 2168  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.9  | 23.0  | 34.6  |
| 279     | 4.6   | 3.8   | 5.8   |





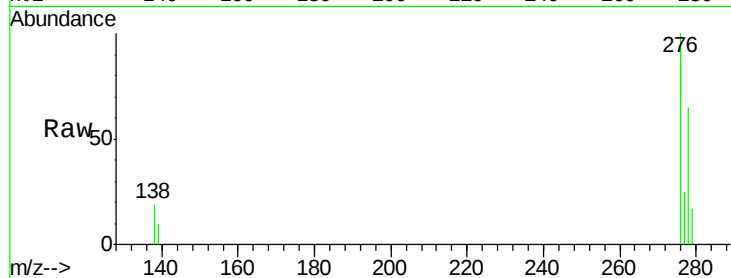
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.417 ng  
RT: 25.50 min Scan# 3192  
Delta R.T. -0.02 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.2  | 15.6  | 23.4  |
| 277     | 24.9  | 20.1  | 30.1  |

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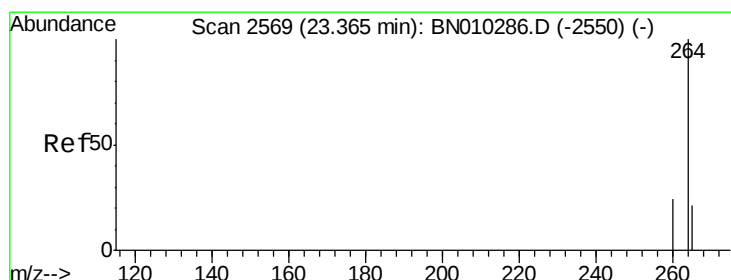
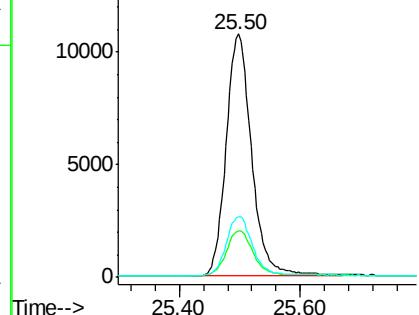
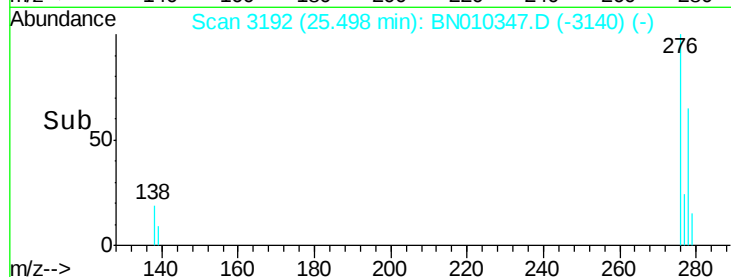


Abundance

Ion 276.00 (275.70 to 276.70): E

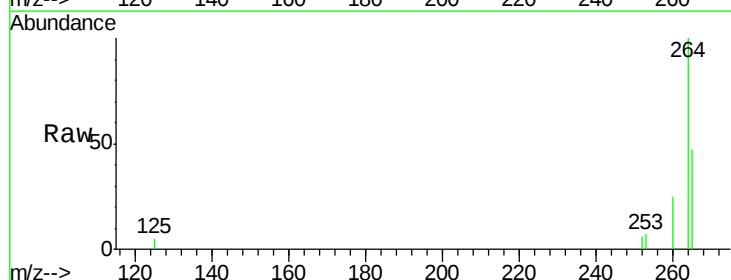
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.35 min Scan# 2565  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.5  | 29.3  |
| 265     | 47.3  | 32.4  | 48.6  |

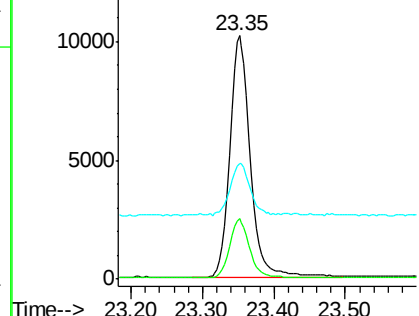
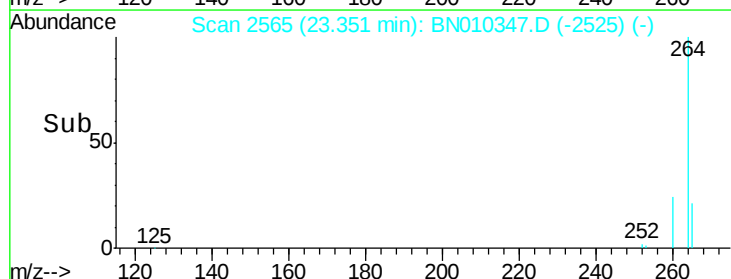


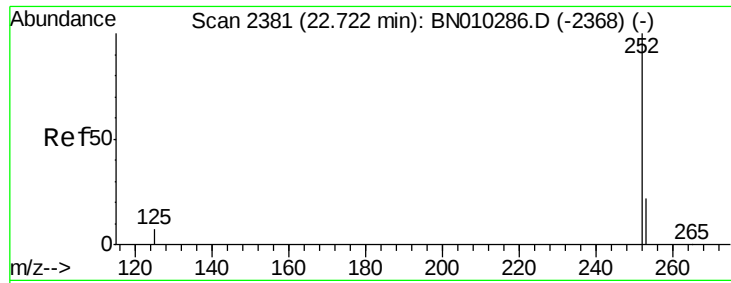
Abundance

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





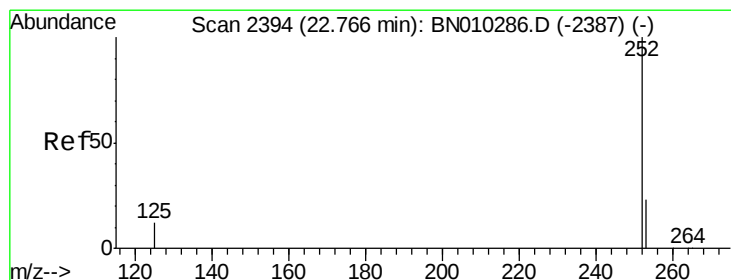
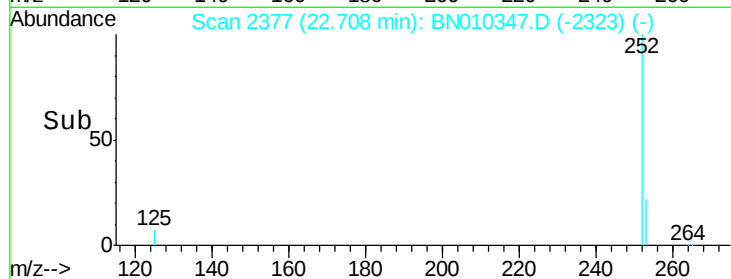
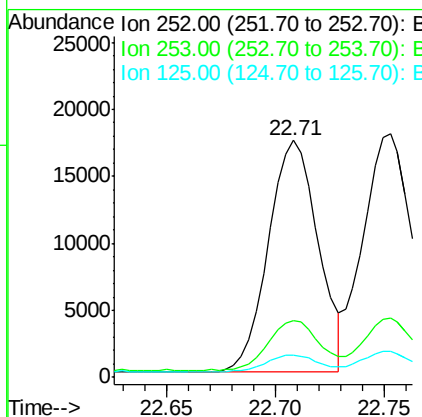
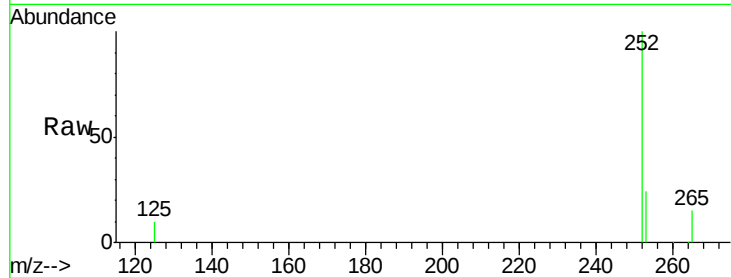
#35  
Benzo(b)fluoranthene  
Concen: 0.398 ng  
RT: 22.71 min Scan# 2377  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 19.2  | 28.8  |
| 125     | 9.5   | 7.4   | 11.0  |

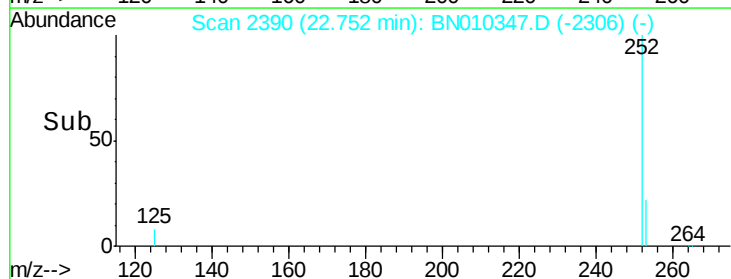
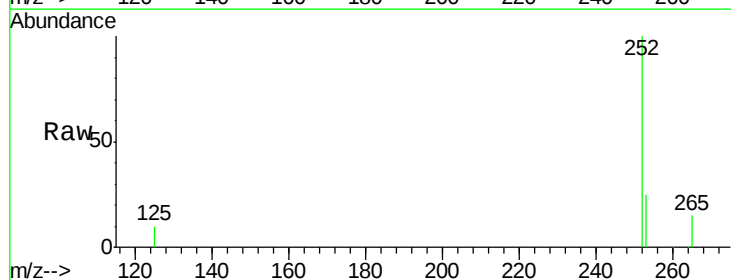
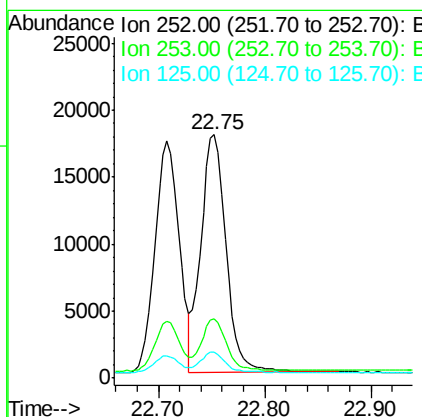
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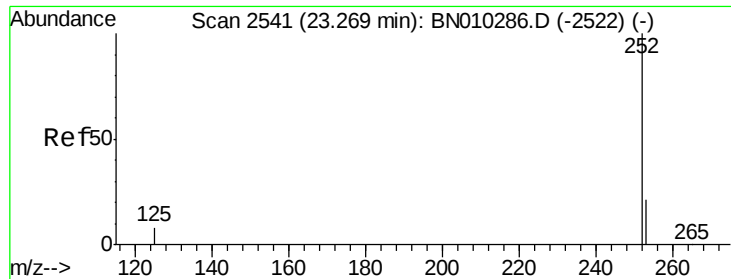
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#36  
Benzo(k)fluoranthene  
Concen: 0.415 ng  
RT: 22.75 min Scan# 2390  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 19.4  | 29.0  |
| 125     | 10.5  | 10.2  | 15.2  |





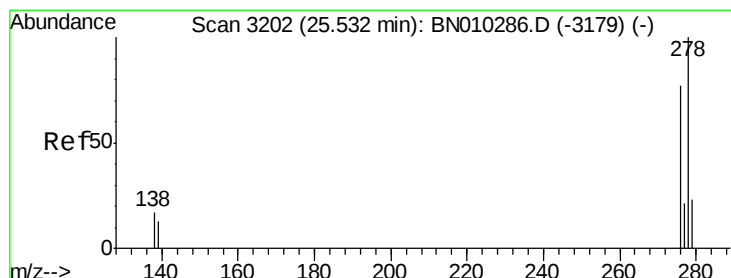
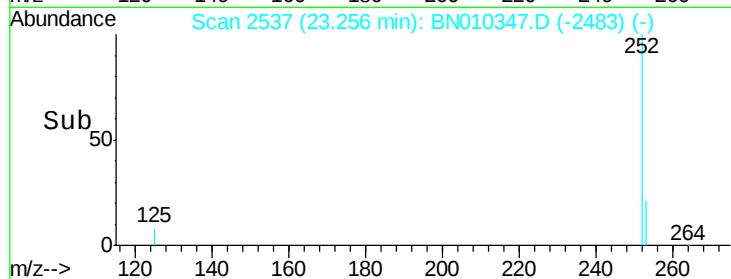
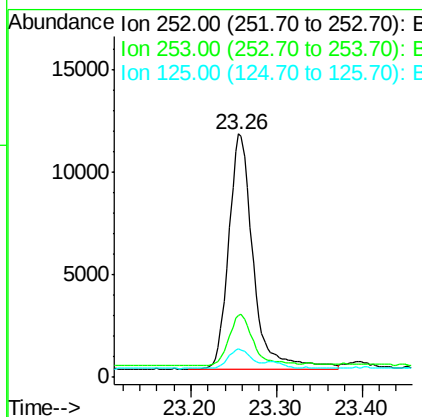
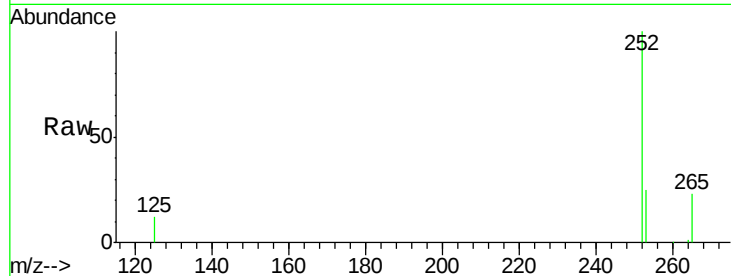
#37  
Benzo(a)pyrene  
Concen: 0.395 ng  
RT: 23.26 min Scan# 2537  
Delta R.T. -0.01 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 19.9  | 29.9  |
| 125     | 11.7  | 8.9   | 13.3  |

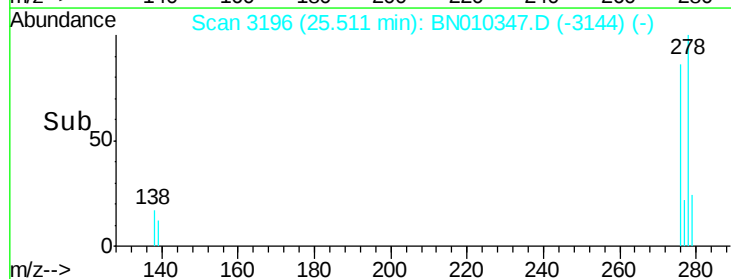
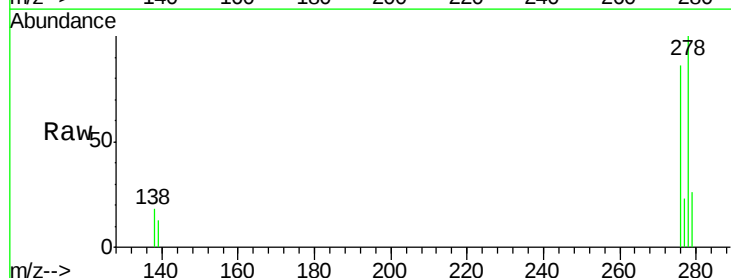
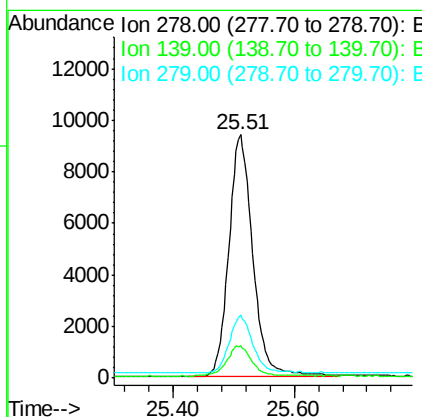
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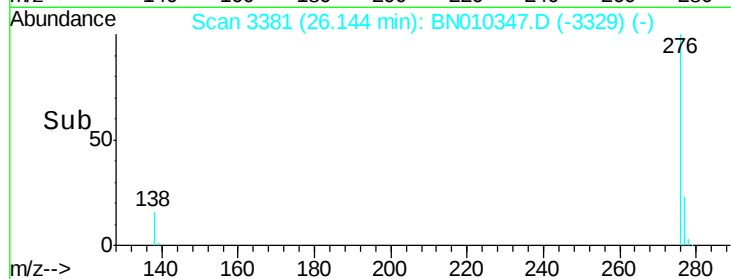
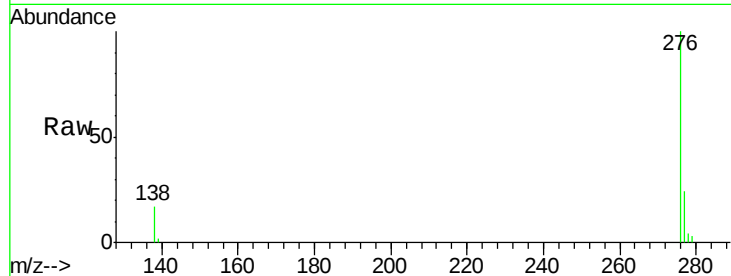
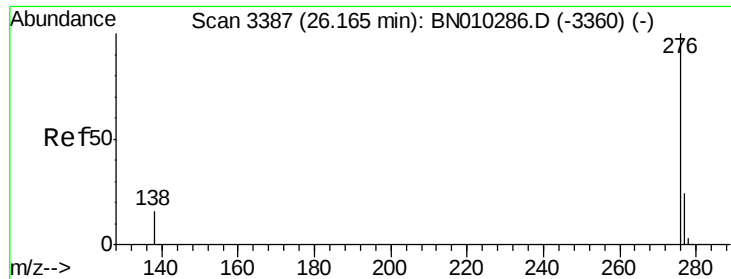
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.409 ng  
RT: 25.51 min Scan# 3196  
Delta R.T. -0.02 min  
Lab File: BN010347.D  
Acq: 25 Mar 2020 03:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.1  | 10.6  | 16.0  |
| 279     | 25.7  | 19.8  | 29.6  |





#39

Benzo(a,h,i)perylene

Concen: 0.413 ng

RT: 26.14 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN010347.D

Acq: 25 Mar 2020 03:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 26230 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.3  | 19.6  | 29.4  |
| 138       | 17.0  | 13.3  | 19.9  |

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

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