

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
 Data File : BN007860.D  
 Acq On : 25 Sep 2019 18:53  
 Operator : JU  
 Sample : K4994-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-B231-091919-1

Manual Integrations  
 APPROVED

mohammad  
 9/27/2019 8:27:53 AM

Quant Time: Sep 26 09:07:32 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 9870     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.46 | 136  | 38067    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 22910    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.06 | 188  | 48563    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.25 | 240  | 43507    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.47 | 264  | 42834    | 0.40 | ng    | -0.02    |

#### System Monitoring Compounds

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| 4) 2-Fluorophenol           | 5.31  | 112 | 6224   | 0.18 | ng | 0.00  |
| 5) Phenol-d6                | 6.86  | 99  | 8551   | 0.20 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 7288   | 0.22 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 16110  | 0.25 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 1665   | 0.13 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 22078  | 0.23 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.09 | 212 | 35704m | 0.22 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.70 | 244 | 28637  | 0.27 | ng | -0.01 |

#### Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 9) Naphthalene                 | 10.51 | 128 | 10883   | 0.102  | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.13 | 142 | 8905    | 0.123  | ng | 99     |
| 16) Acenaphthylene             | 14.04 | 152 | 40110   | 0.330  | ng | # 97   |
| 17) Acenaphthene               | 14.37 | 154 | 10692   | 0.136  | ng | 89     |
| 18) Fluorene                   | 15.36 | 166 | 20185   | 0.201  | ng | # 85   |
| 23) Phenanthrene               | 17.10 | 178 | 816762  | 5.399  | ng | 100    |
| 24) Anthracene                 | 17.19 | 178 | 72047   | 0.527  | ng | 97     |
| 26) Fluoranthene               | 19.12 | 202 | 960624  | 5.107  | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 1542242 | 10.394 | ng | # 96   |
| 30) Benzo(a)anthracene         | 21.24 | 228 | 597734  | 3.731  | ng | 97     |
| 31) Chrysene                   | 21.29 | 228 | 705903  | 4.521  | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 48918   | 0.594  | ng | # 94   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.67 | 276 | 247436  | 1.266  | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.81 | 252 | 541424  | 3.641  | ng | 99     |
| 36) Benzo(k)fluoranthene       | 22.85 | 252 | 165731m | 1.127  | ng |        |
| 37) Benzo(a)pyrene             | 23.37 | 252 | 427448  | 3.059  | ng | 97     |
| 38) Dibenzo(a,h)anthracene     | 25.69 | 278 | 77462   | 0.542  | ng | 94     |
| 39) Benzo(a,h,i)perylene       | 26.35 | 276 | 309407  | 2.187  | ng | 99     |

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

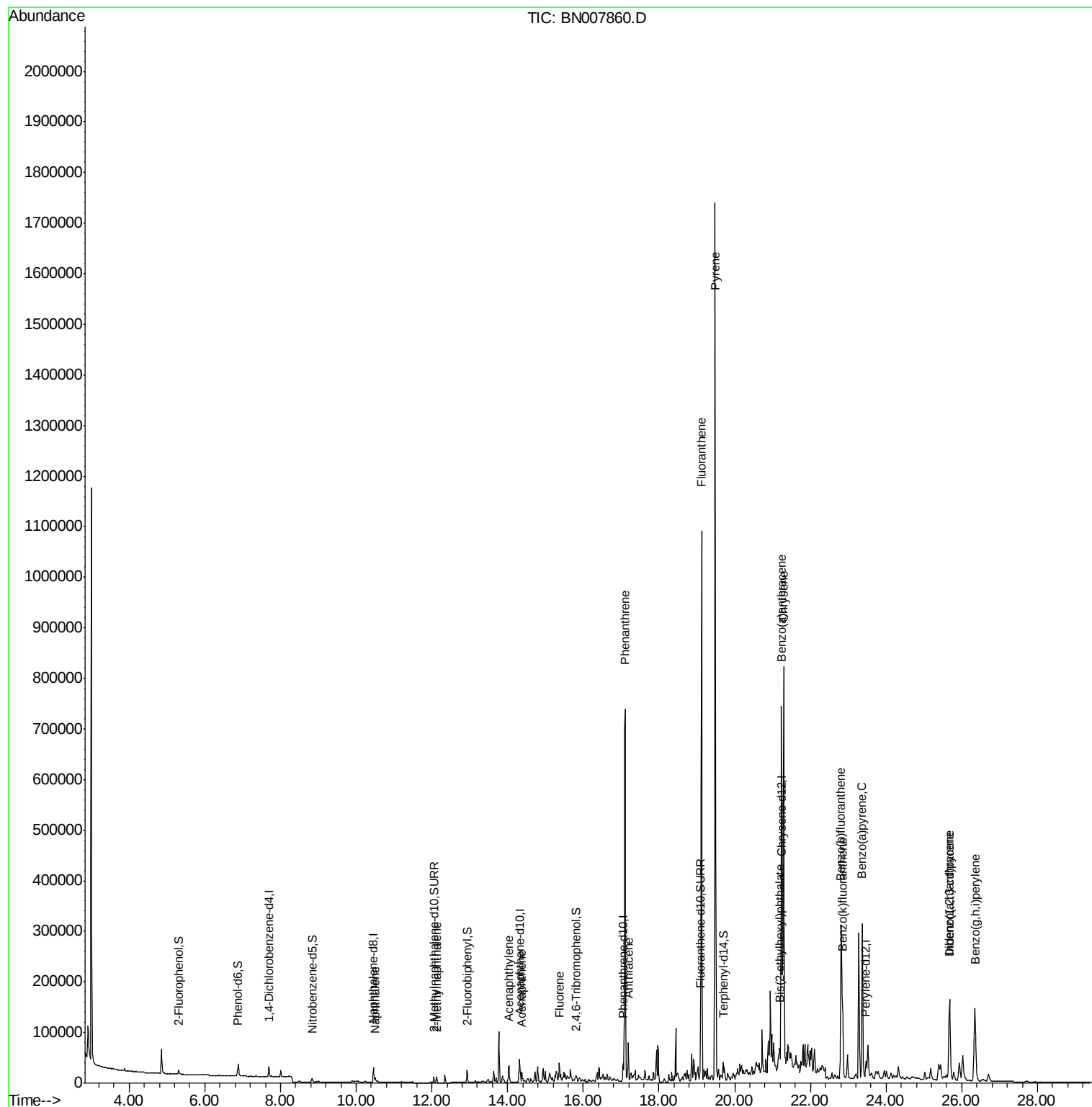
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
Data File : BN007860.D  
Acq On : 25 Sep 2019 18:53  
Operator : JU  
Sample : K4994-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

Manual Integrations  
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Quant Time: Sep 26 09:07:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 18 18:24:40 2019  
Response via : Initial Calibration





#1

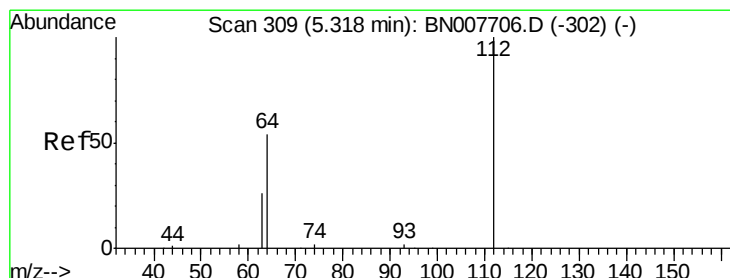
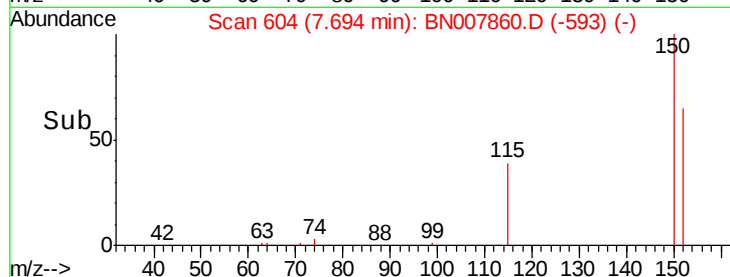
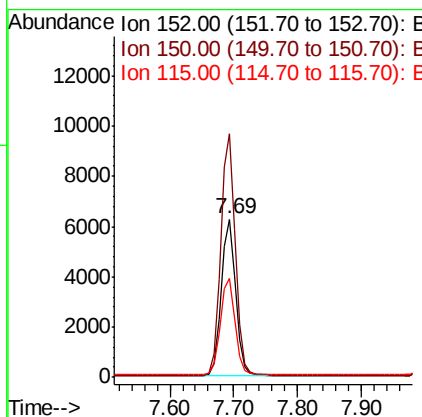
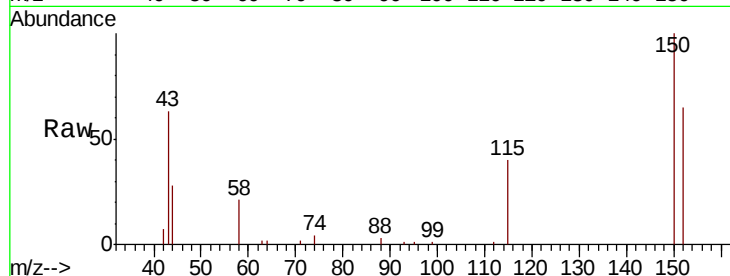
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.69 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 125.6 | 188.4 |
| 115     | 62.3  | 53.3  | 79.9  |

Manual Integrations  
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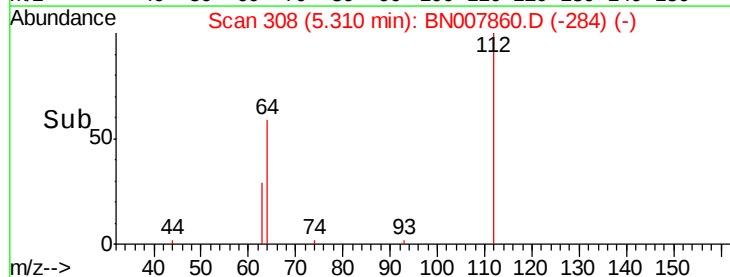
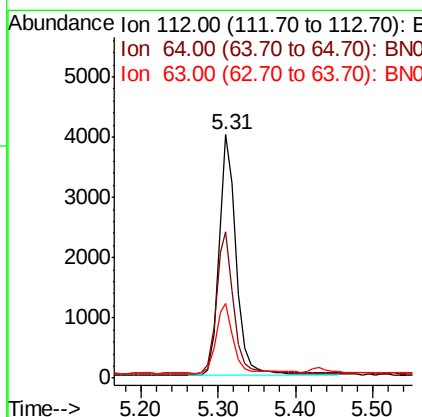
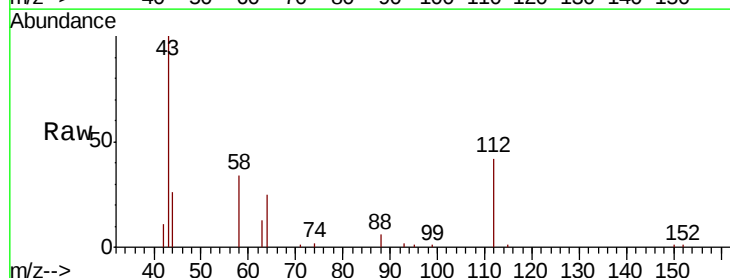
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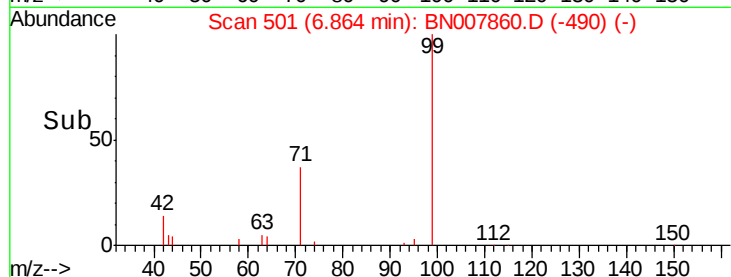
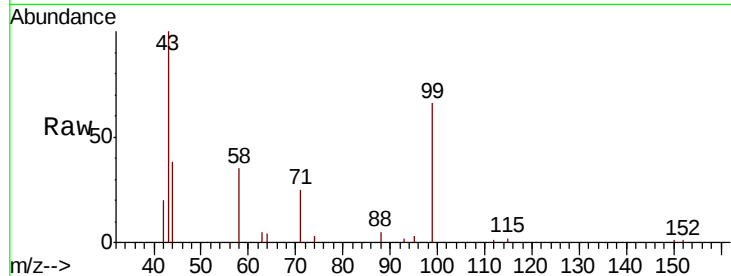
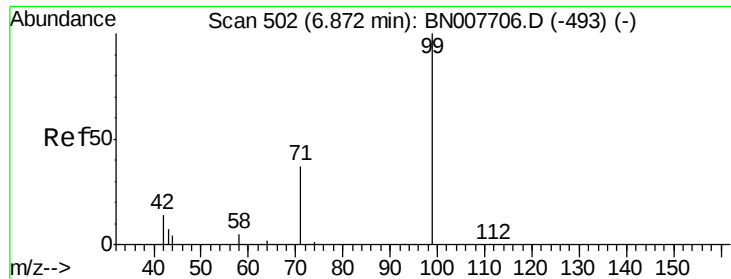


#4

2-Fluorophenol  
Concen: 0.183 ng  
RT: 5.31 min Scan# 308  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.2  | 46.6  | 70.0  |
| 63      | 28.9  | 23.1  | 34.7  |





#5

Phenol-d6

Concen: 0.199 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007860.D

Acq: 25 Sep 2019 18:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 8551  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 12.8  | 19.2# |
| 71        | 36.6  | 27.6  | 41.4  |

Instrument :

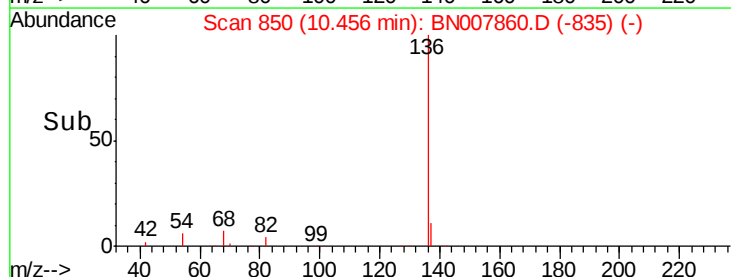
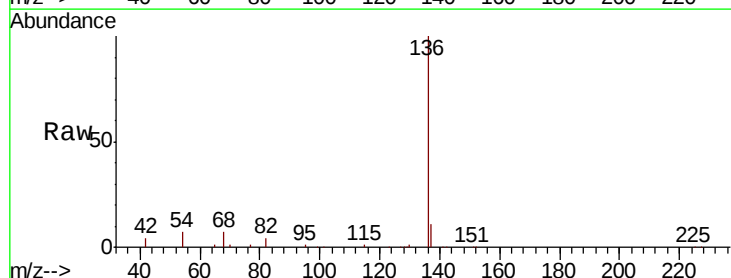
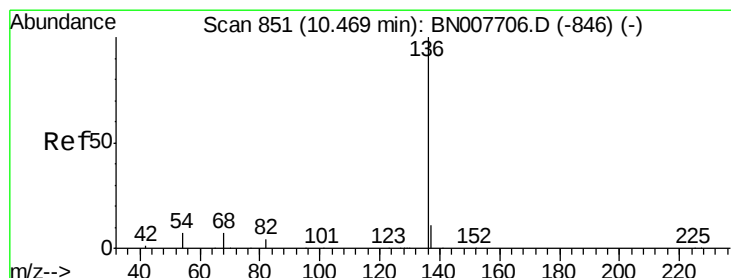
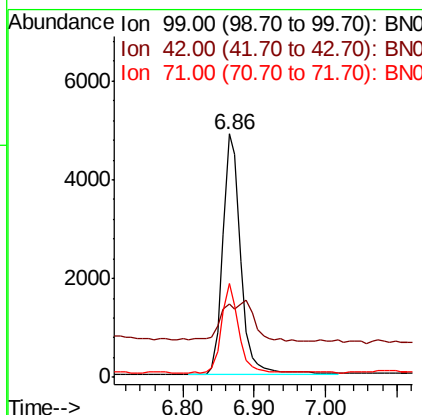
BNA\_N

ClientSampleId :

PST-B231-091919-1

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#7

Naphthalene-d8

Concen: 0.400 ng

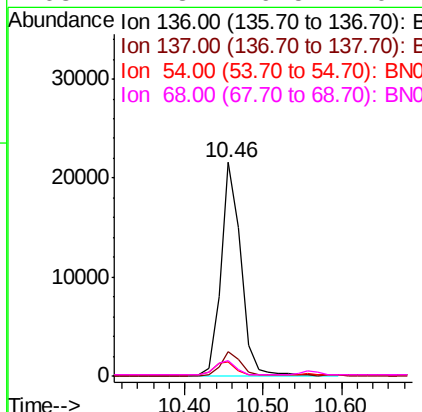
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007860.D

Acq: 25 Sep 2019 18:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 38067 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 9.2   | 13.8  |
| 54        | 6.9   | 5.8   | 8.8   |
| 68        | 7.3   | 6.5   | 9.7   |





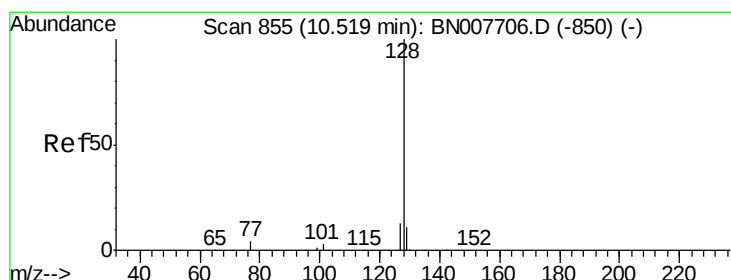
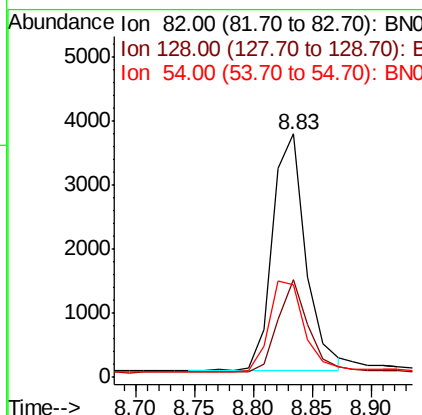
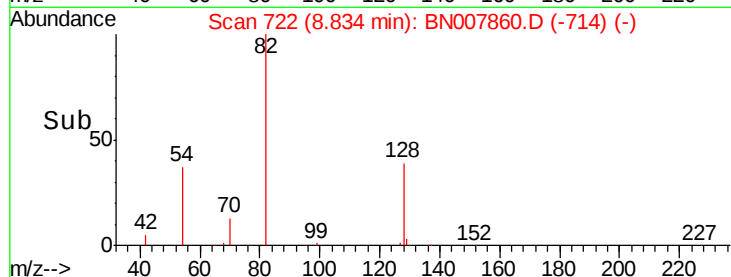
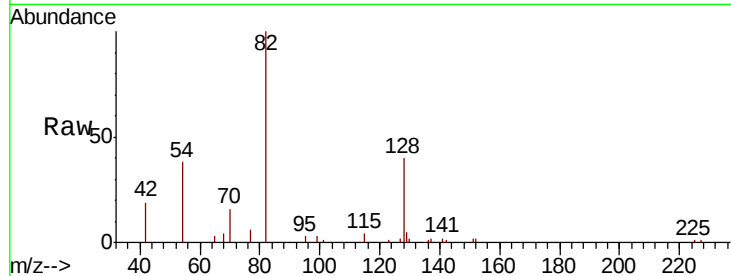
#8  
Nitrobenzene-d5  
Concen: 0.219 ng  
RT: 8.83 min Scan# 722  
Delta R.T. 0.00 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.9  | 24.5  | 36.7# |
| 54      | 37.8  | 35.2  | 52.8  |

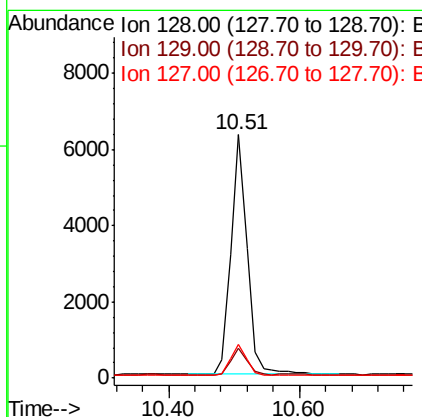
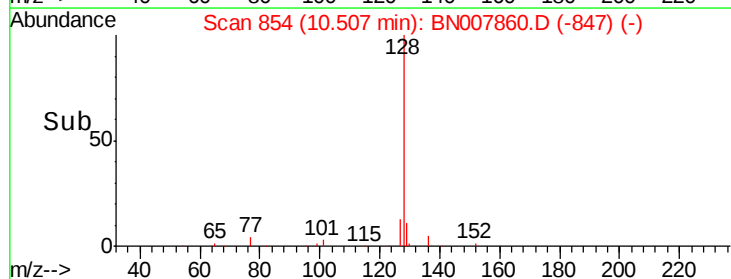
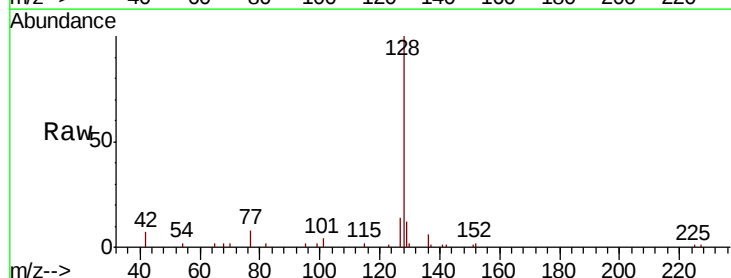
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#9  
Naphthalene  
Concen: 0.102 ng  
RT: 10.51 min Scan# 854  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.3  | 9.1   | 13.7  |
| 127     | 13.9  | 10.6  | 15.8  |





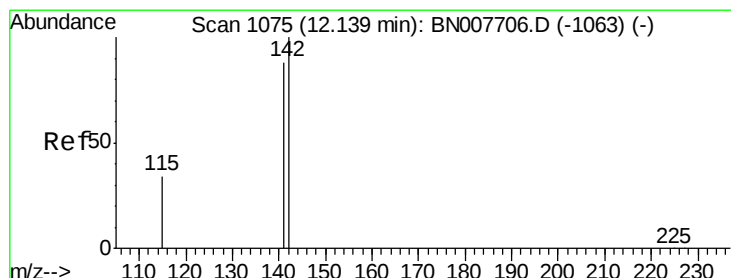
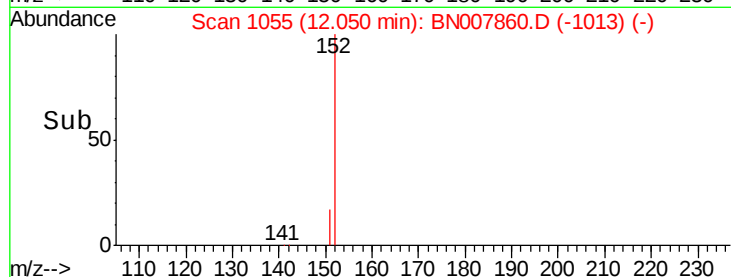
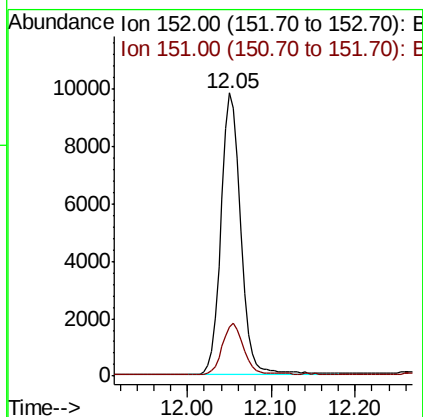
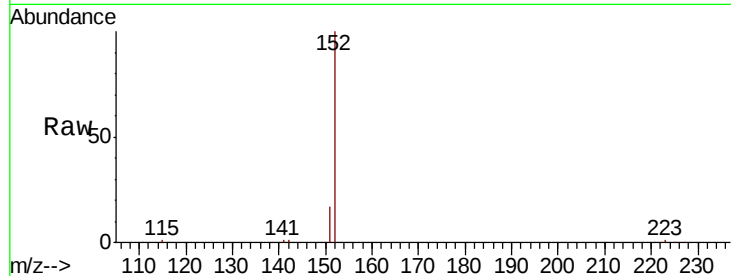
#11  
2-Methylnaphthalene-d10  
Concen: 0.251 ng  
RT: 12.05 min Scan# 1055  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

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

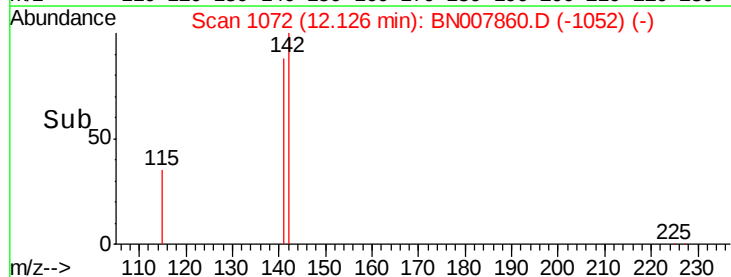
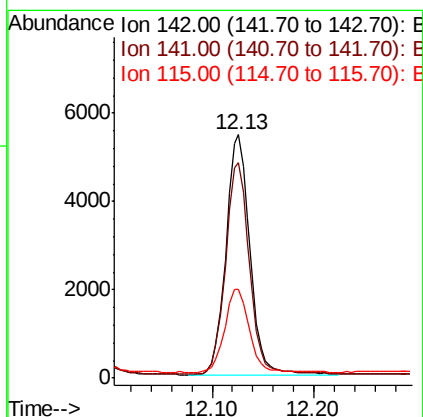
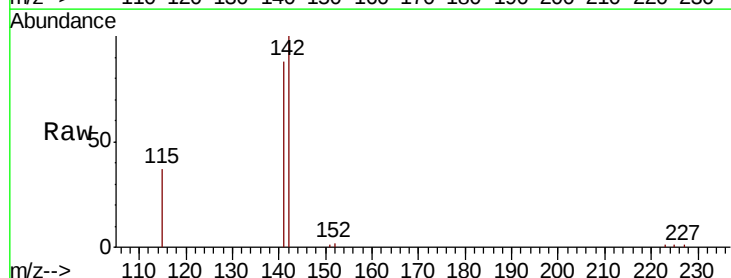
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#12  
2-Methylnaphthalene  
Concen: 0.123 ng  
RT: 12.13 min Scan# 1072  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.3  | 70.6  | 106.0 |
| 115     | 36.5  | 28.3  | 42.5  |





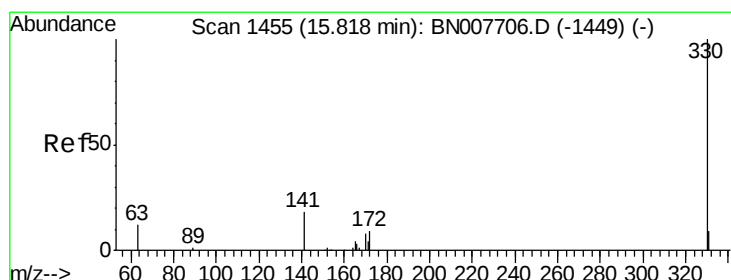
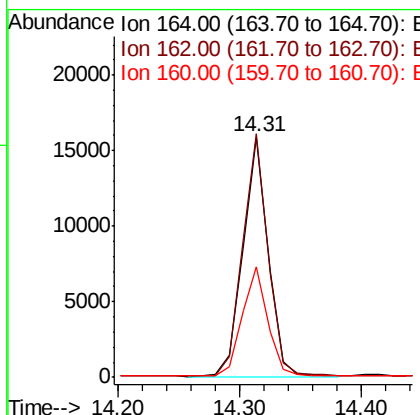
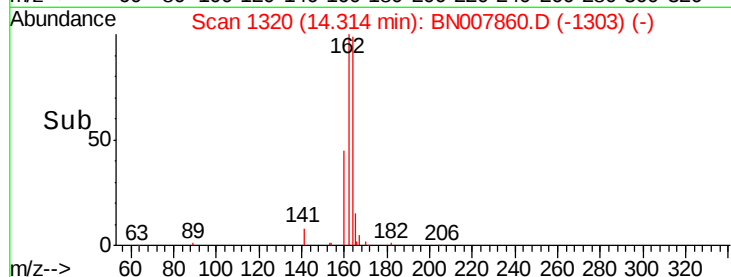
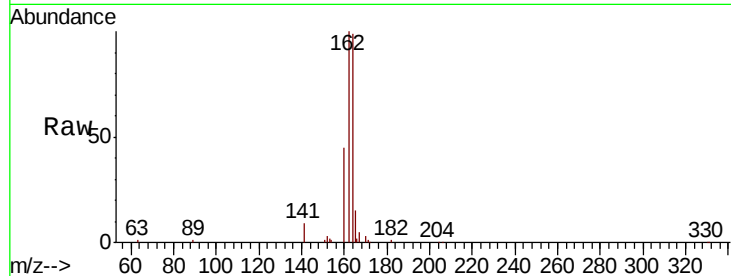
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 81.7  | 122.5 |
| 160     | 45.9  | 37.0  | 55.4  |

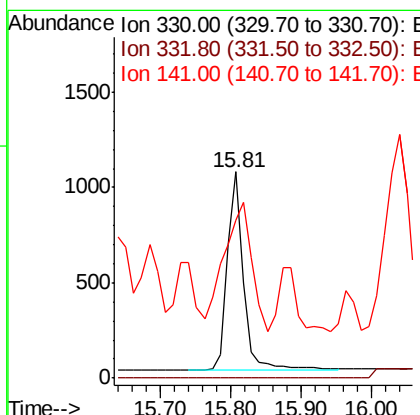
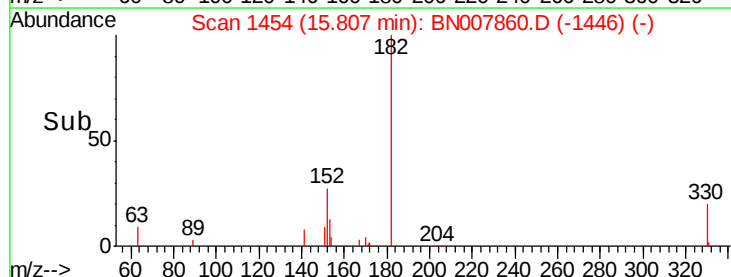
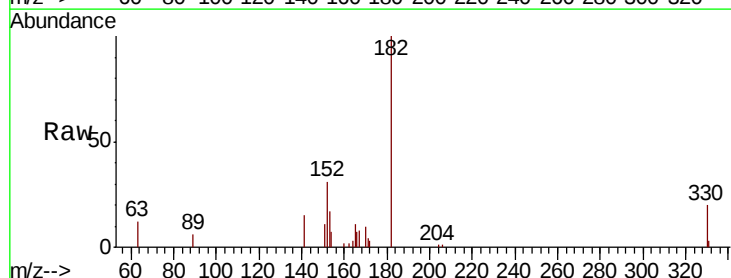
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#14  
2,4,6-Tribromophenol  
Concen: 0.133 ng  
RT: 15.81 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 111.5 | 28.7  | 43.1# |





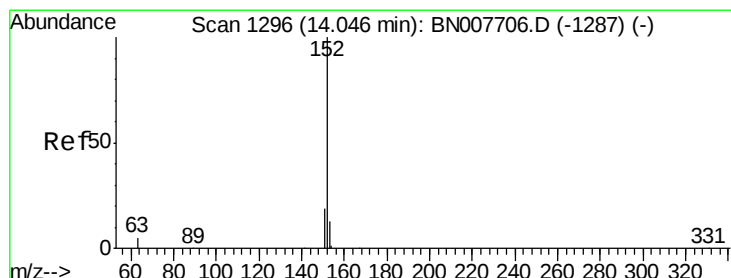
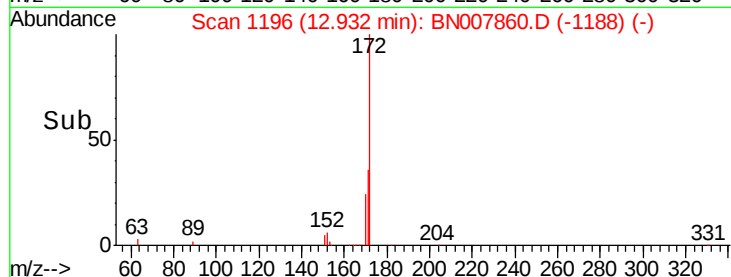
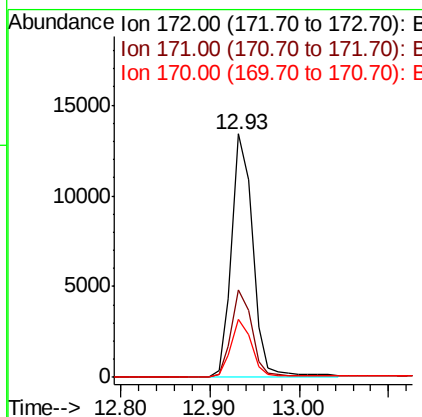
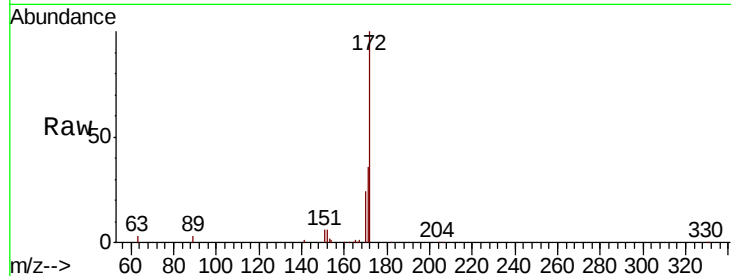
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2-Fluorobiphenyl  
Concen: 0.234 ng  
RT: 12.93 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 28.8  | 43.2  |
| 170     | 23.8  | 19.5  | 29.3  |

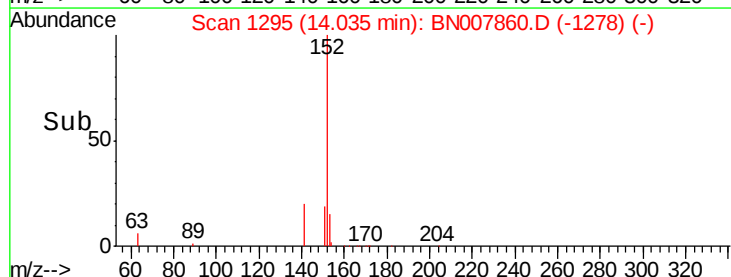
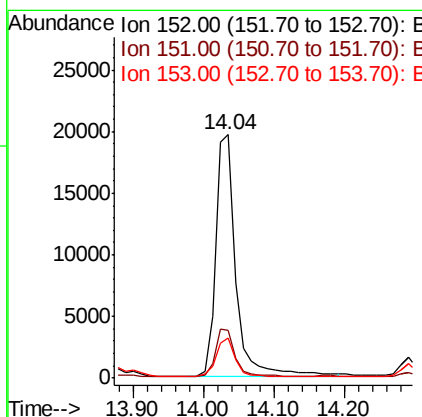
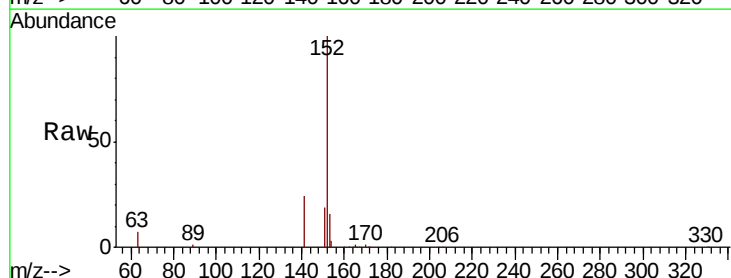
Manual Integrations  
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9/27/2019 8:27:53 AM



#16  
Acenaphthylene  
Concen: 0.330 ng  
RT: 14.04 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 15.5  | 23.3  |
| 153     | 15.8  | 10.4  | 15.6# |





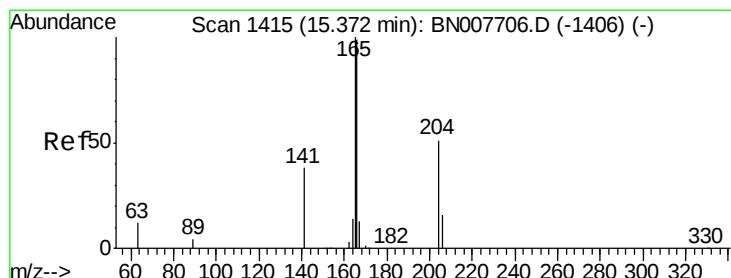
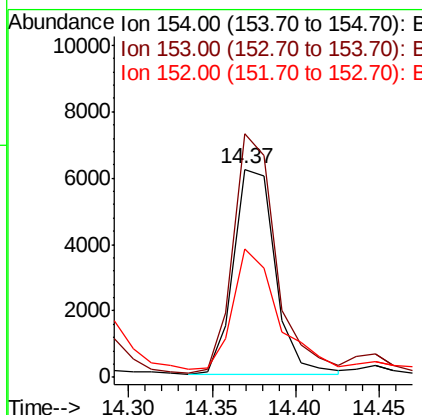
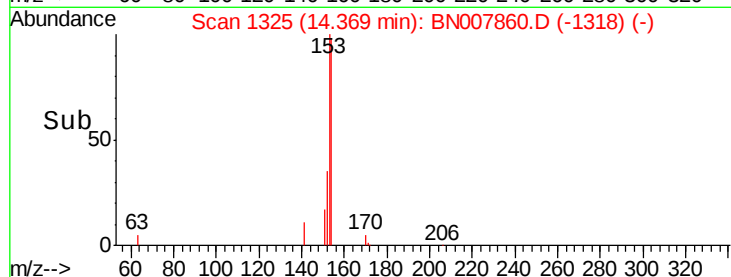
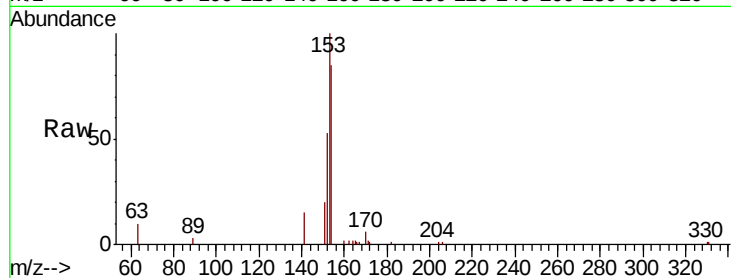
#17  
Acenaphthene  
Concen: 0.136 ng  
RT: 14.37 min Scan# 1325  
Delta R.T. -0.02 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 119.4 | 87.0  | 130.4 |
| 152     | 63.0  | 42.7  | 64.1  |

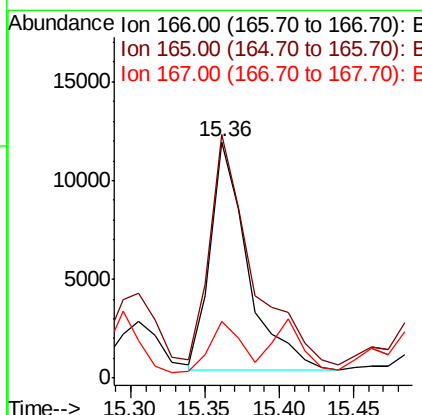
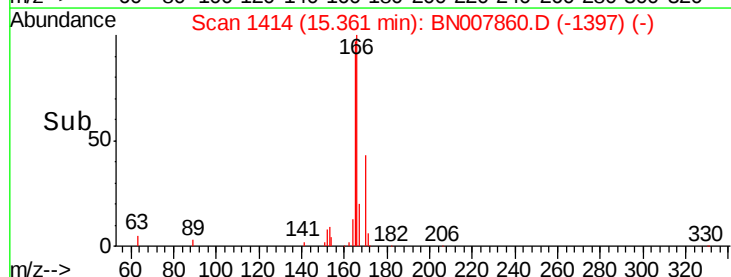
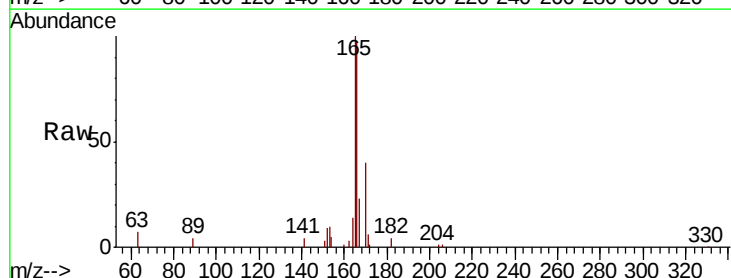
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9/27/2019 8:27:53 AM



#18  
Fluorene  
Concen: 0.201 ng  
RT: 15.36 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 112.8 | 78.0  | 117.0 |
| 167     | 19.4  | 10.9  | 16.3# |





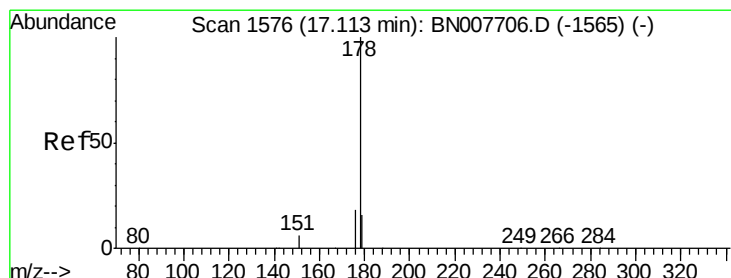
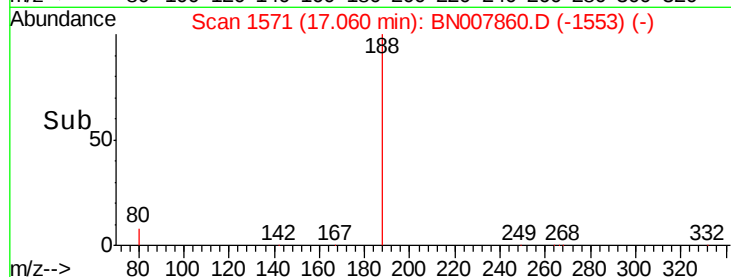
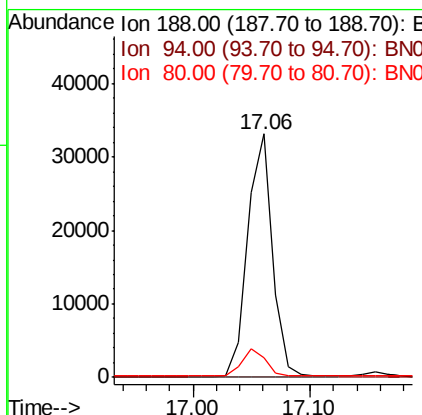
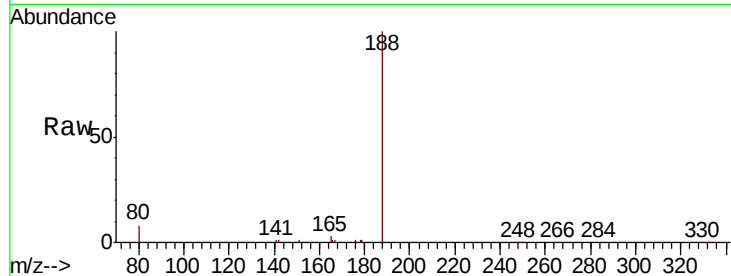
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 48563 |       |       |
| 94      | 0.0   | 0.0   | 0.0   | 0.0   |
| 80      | 8.2   | 7.4   | 11.2  |       |

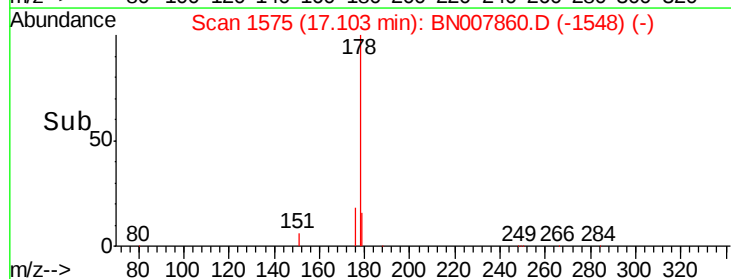
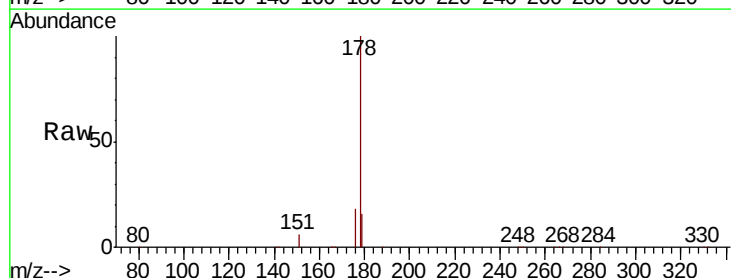
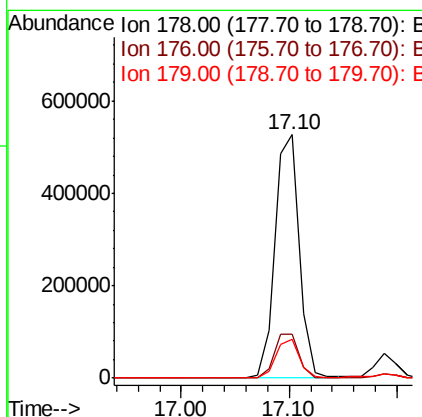
Manual Integrations  
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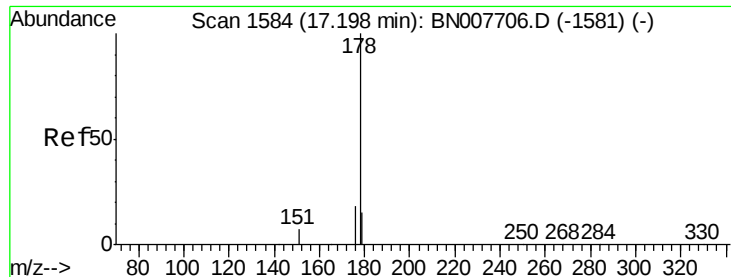
mohammad  
9/27/2019 8:27:53 AM



#23  
Phenanthrene  
Concen: 5.399 ng  
RT: 17.10 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 816762 |       |       |
| 176     | 18.6  | 14.9   | 22.3  |       |
| 179     | 15.6  | 12.5   | 18.7  |       |





#24

Anthracene

Concen: 0.527 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007860.D

Acq: 25 Sep 2019 18:53

Instrument :

BNA\_N

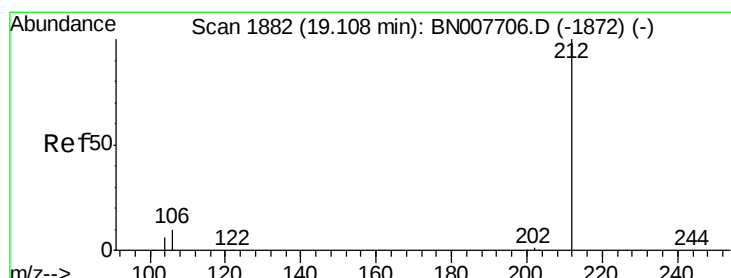
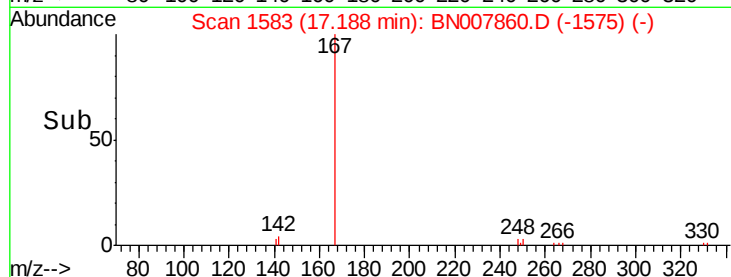
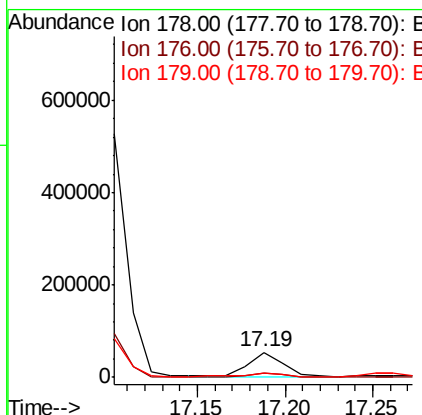
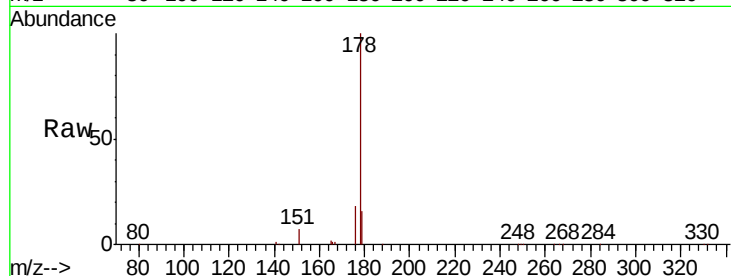
ClientSampleId :

PST-B231-091919-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 72047 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.0  | 14.6  | 21.8  |
| 179       | 17.5  | 12.2  | 18.4  |

Manual Integrations  
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#25

Fluoranthene-d10

Concen: 0.218 ng m

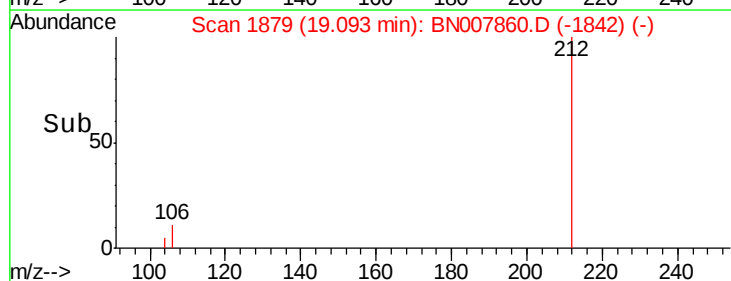
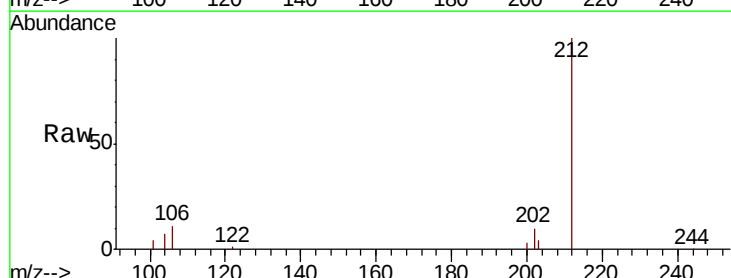
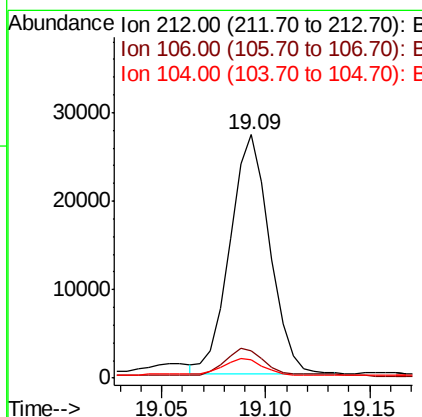
RT: 19.09 min Scan# 1879

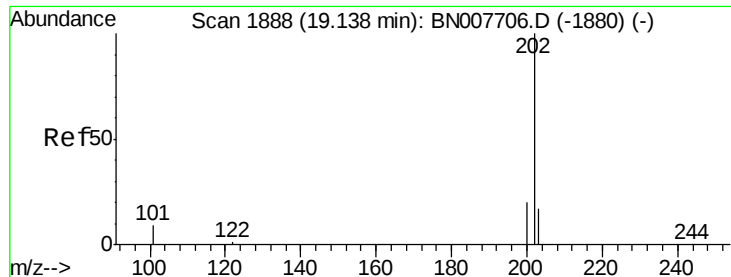
Delta R.T. -0.01 min

Lab File: BN007860.D

Acq: 25 Sep 2019 18:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 35704 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 12.5  | 9.4   | 14.0  |
| 104       | 8.3   | 5.3   | 7.9#  |





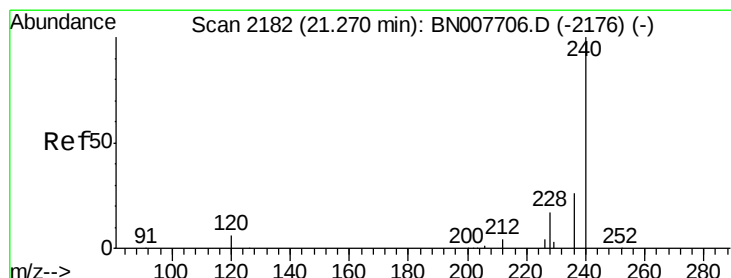
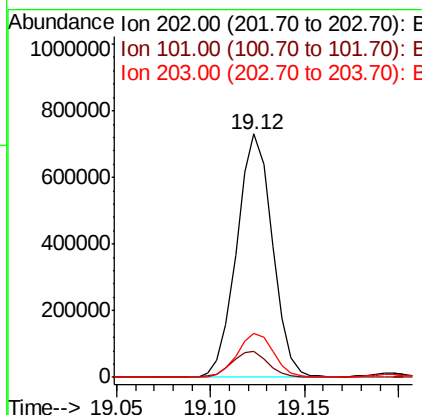
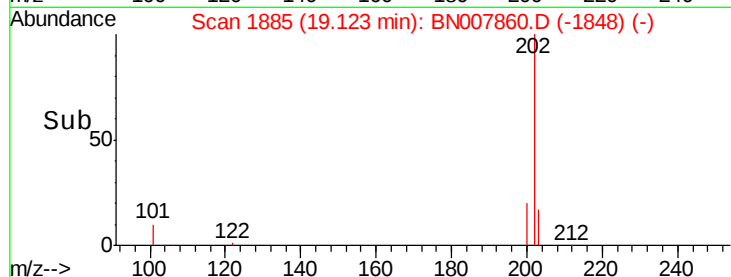
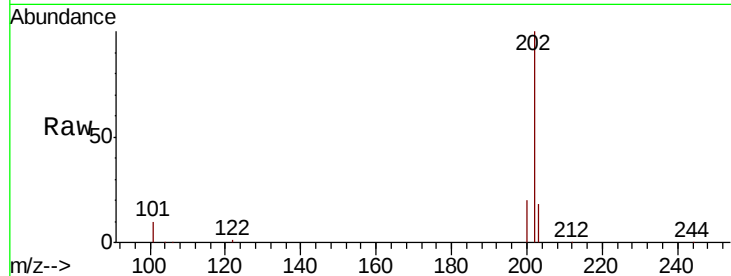
#26  
 Fluoranthene  
 Concen: 5.107 ng  
 RT: 19.12 min Scan# 1885  
 Delta R.T. -0.01 min  
 Lab File: BN007860.D  
 Acq: 25 Sep 2019 18:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-B231-091919-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 960624 |       |       |
| 101     | 10.7  |        | 8.4   | 12.6  |
| 203     | 18.2  |        | 13.8  | 20.8  |

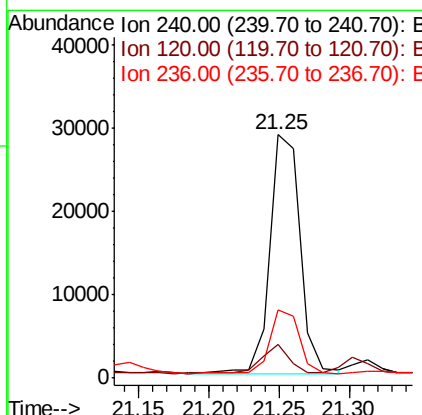
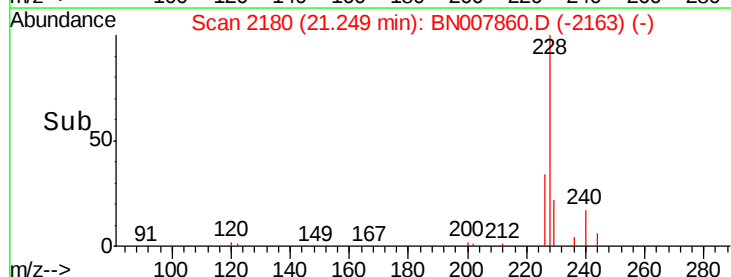
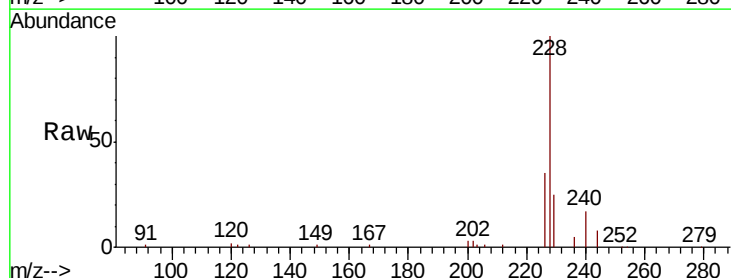
Manual Integrations  
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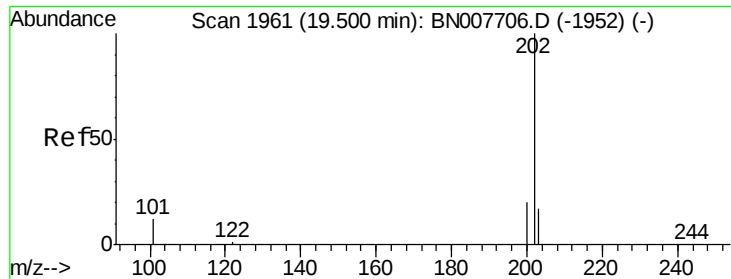
mohammad  
 9/27/2019 8:27:53 AM



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.25 min Scan# 2180  
 Delta R.T. -0.02 min  
 Lab File: BN007860.D  
 Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 43507 |       |       |
| 120     | 13.8  |       | 5.4   | 8.2#  |
| 236     | 28.2  |       | 21.0  | 31.4  |





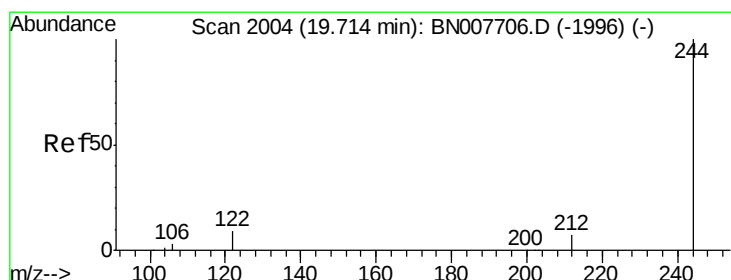
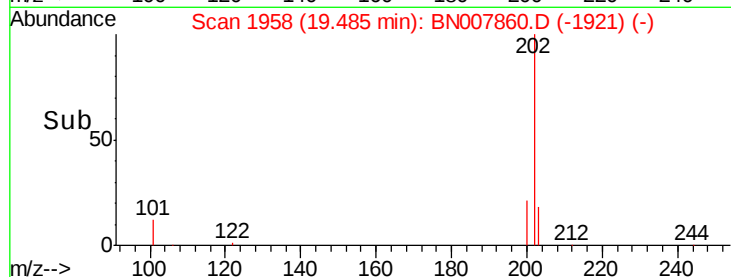
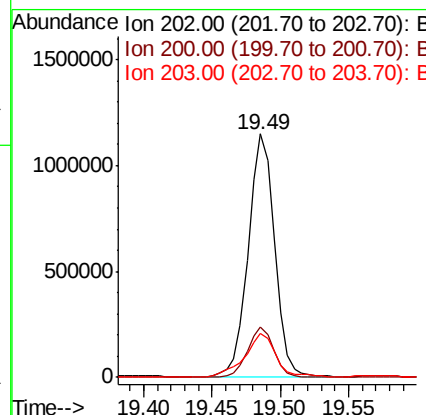
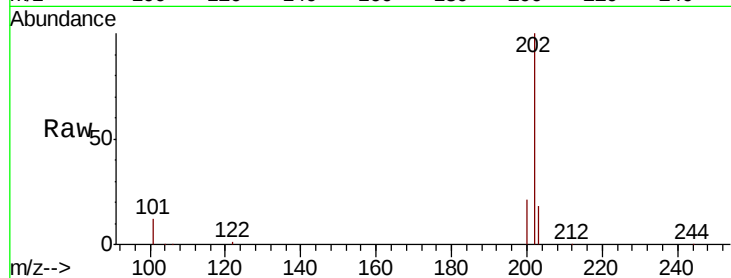
#28  
Pvrene  
Concen: 10.394 ng  
RT: 19.49 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.5  | 16.4  | 24.6  |
| 203     | 21.1  | 14.1  | 21.1  |

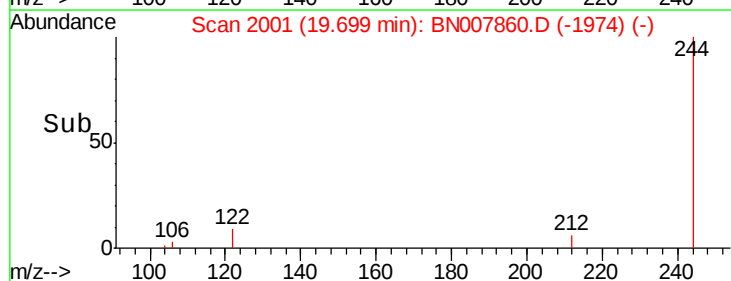
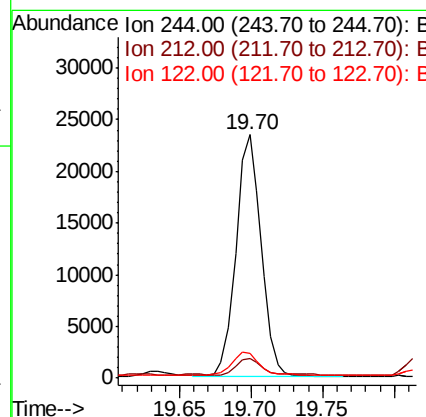
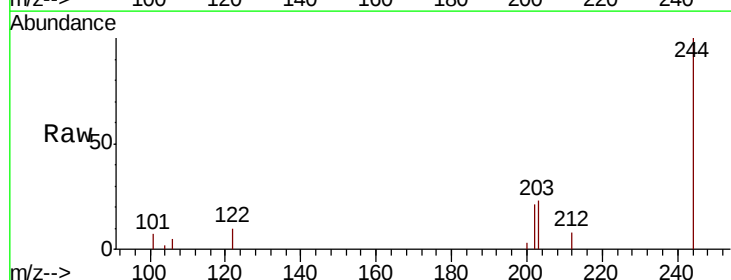
Manual Integrations  
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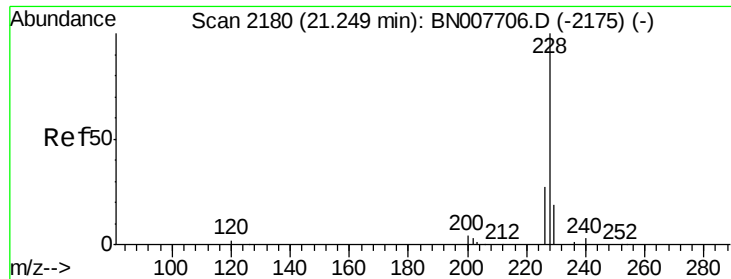
mohammad  
9/27/2019 8:27:53 AM



#29  
Terphenyl-d14  
Concen: 0.268 ng  
RT: 19.70 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 5.9   | 8.9   |
| 122     | 10.3  | 7.4   | 11.2  |





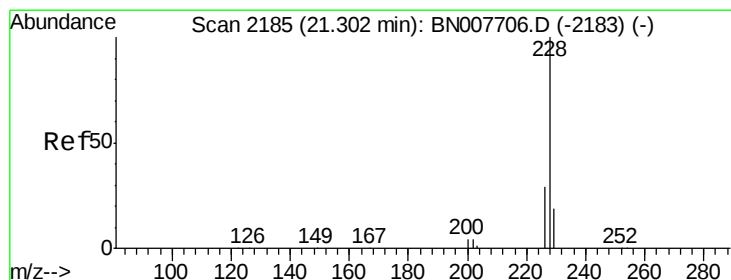
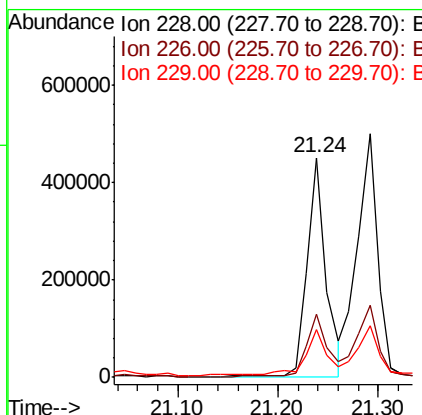
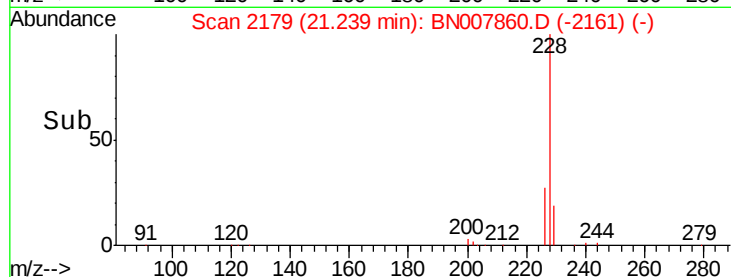
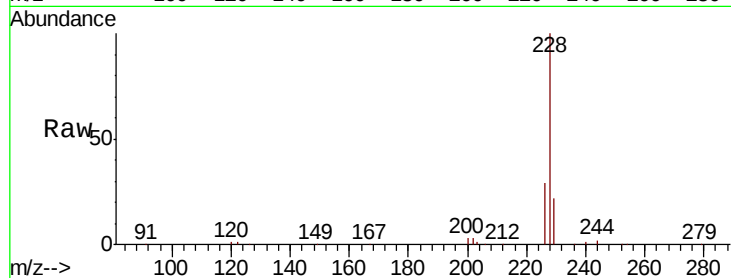
#30  
Benzo(a)anthracene  
Concen: 3.731 ng  
RT: 21.24 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 22.1  | 33.1  |
| 229     | 21.6  | 15.8  | 23.6  |

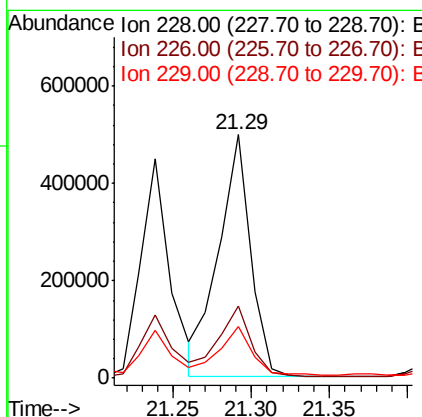
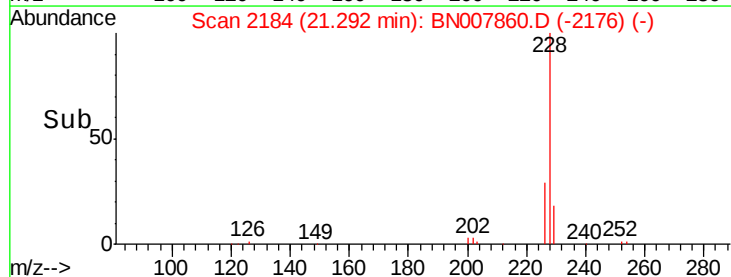
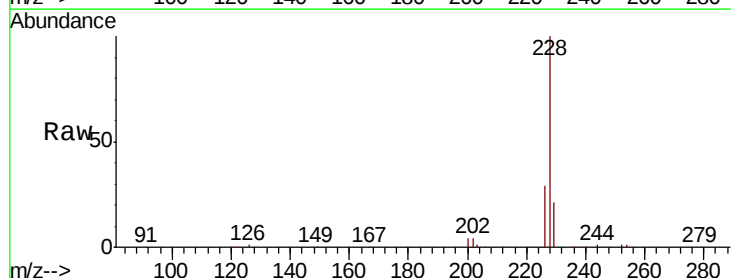
Manual Integrations  
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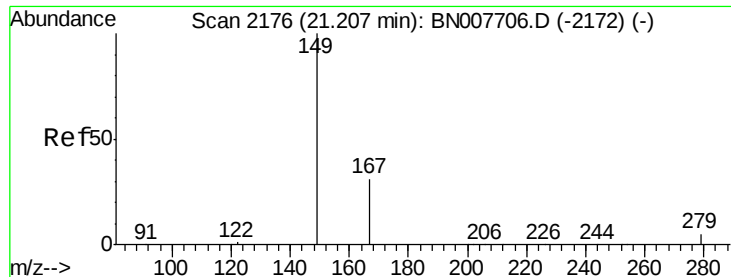
mohammad  
9/27/2019 8:27:53 AM



#31  
Chrysene  
Concen: 4.521 ng  
RT: 21.29 min Scan# 2184  
Delta R.T. -0.01 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.4  | 23.9  | 35.9  |
| 229     | 21.2  | 15.8  | 23.6  |





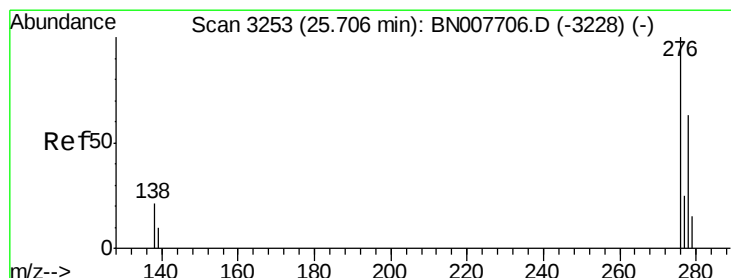
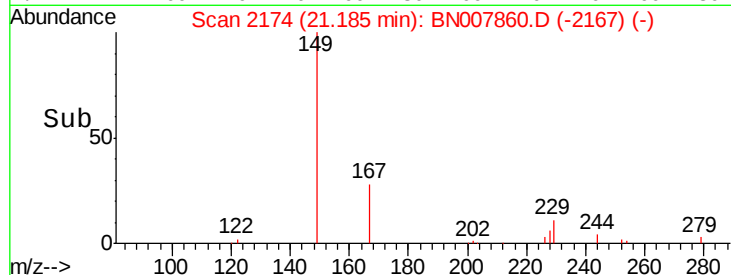
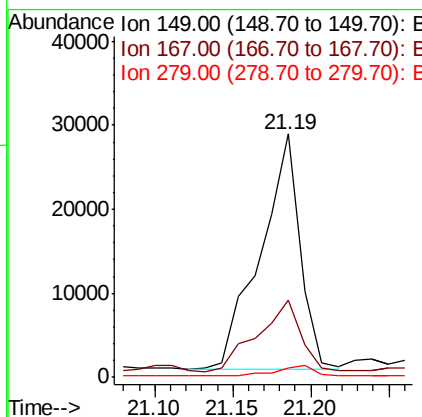
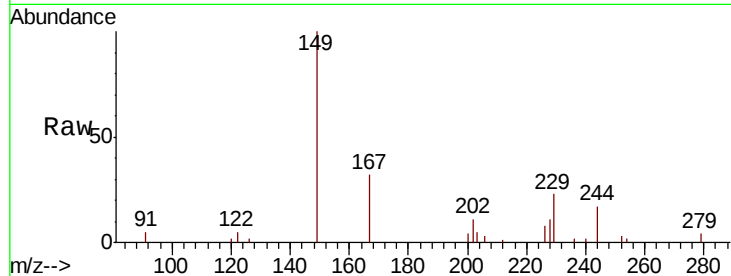
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.594 ng  
 RT: 21.19 min Scan# 2174  
 Delta R.T. -0.02 min  
 Lab File: BN007860.D  
 Acq: 25 Sep 2019 18:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 32.9  | 23.7  | 35.5  |
| 279     | 4.1   | 4.2   | 6.2   |

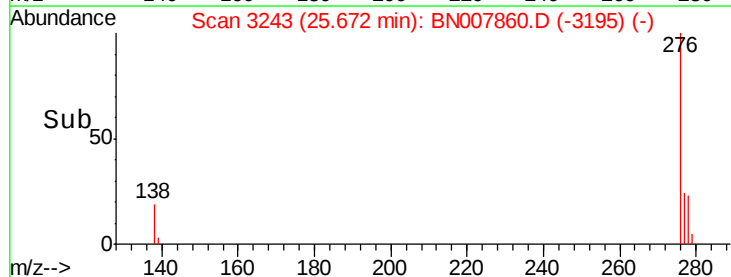
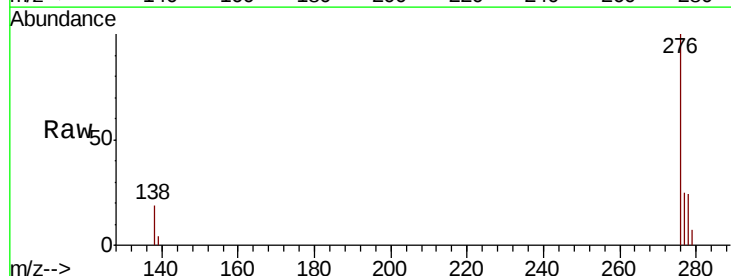
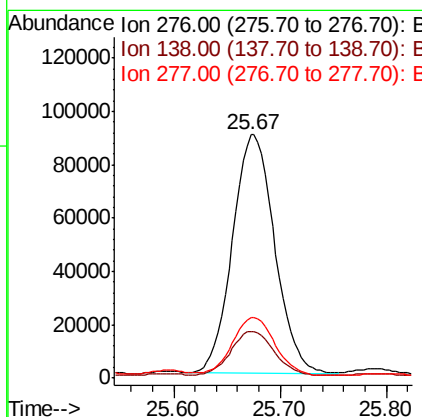
Manual Integrations  
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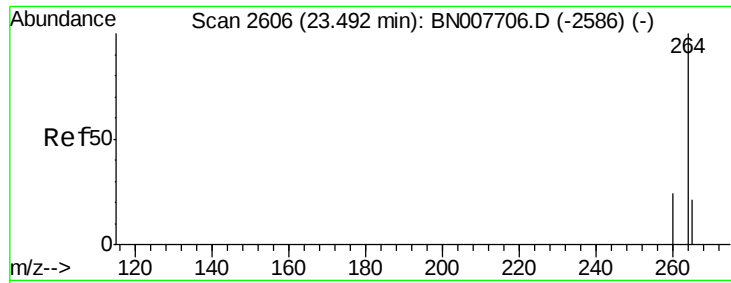
mohammad  
 9/27/2019 8:27:53 AM



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.266 ng  
 RT: 25.67 min Scan# 3243  
 Delta R.T. -0.03 min  
 Lab File: BN007860.D  
 Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.2  | 17.1  | 25.7  |
| 277     | 24.6  | 20.0  | 30.0  |





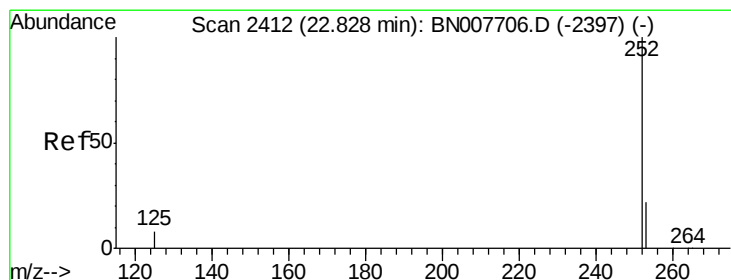
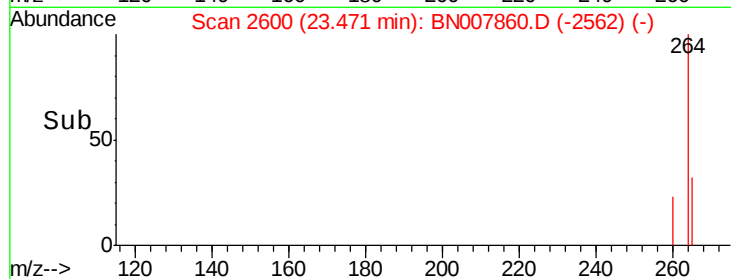
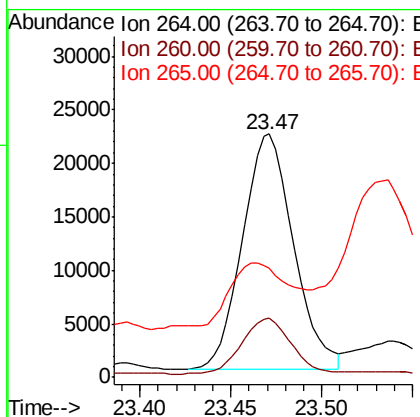
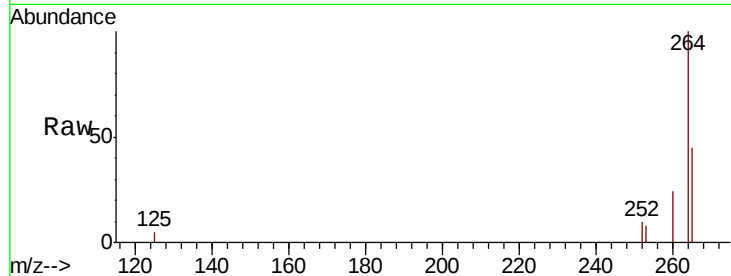
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.47 min Scan# 2600  
Delta R.T. -0.02 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.3  | 28.9  |
| 265     | 44.6  | 26.9  | 40.3  |

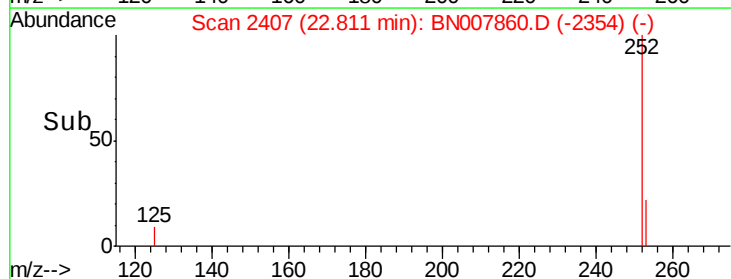
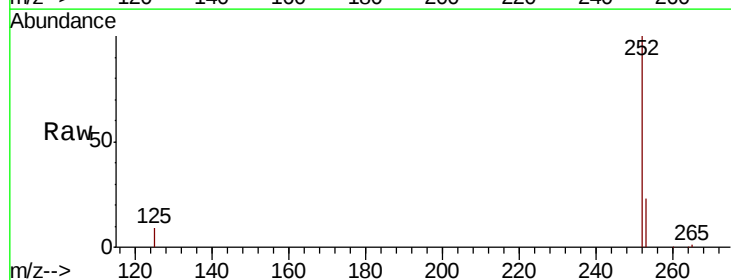
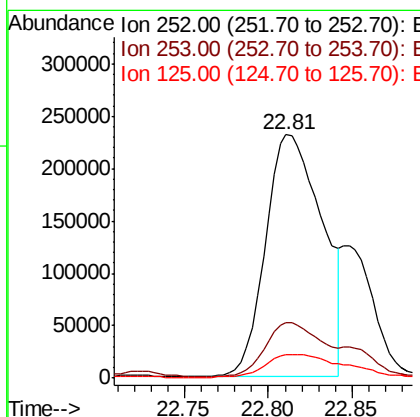
Manual Integrations  
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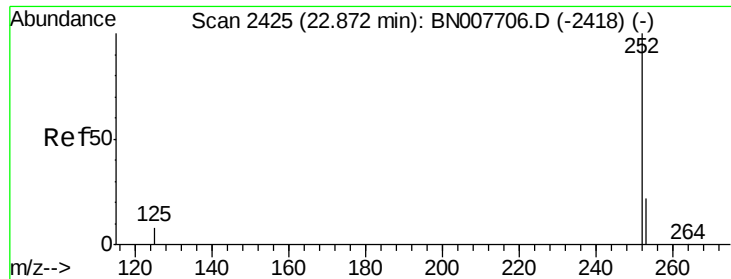
mohammad  
9/27/2019 8:27:53 AM



#35  
Benzo(b)fluoranthene  
Concen: 3.641 ng  
RT: 22.81 min Scan# 2407  
Delta R.T. -0.02 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.3  | 27.5  |
| 125     | 9.5   | 8.2   | 12.4  |





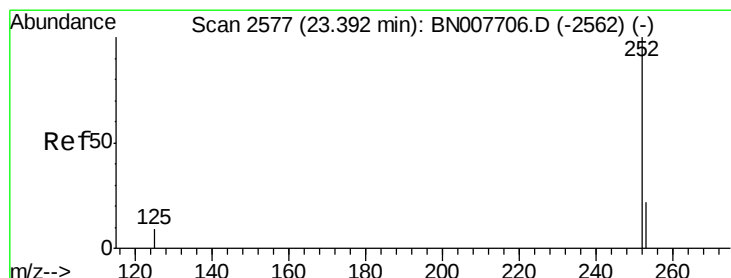
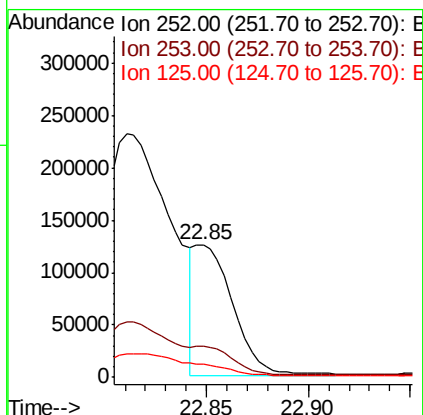
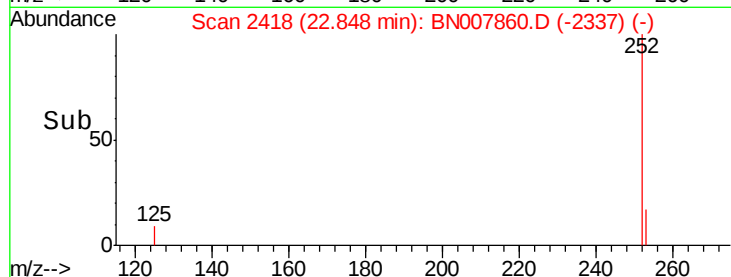
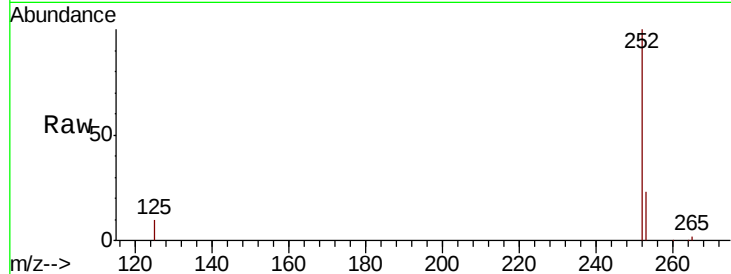
#36  
Benzo(k)fluoranthene  
Concen: 1.127 ng m  
RT: 22.85 min Scan# 2418  
Delta R.T. -0.02 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.5  | 27.7  |
| 125     | 9.8   | 8.4   | 12.6  |

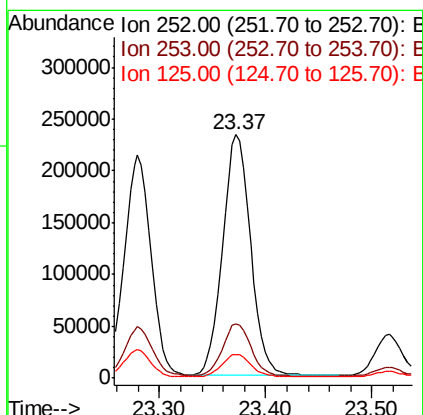
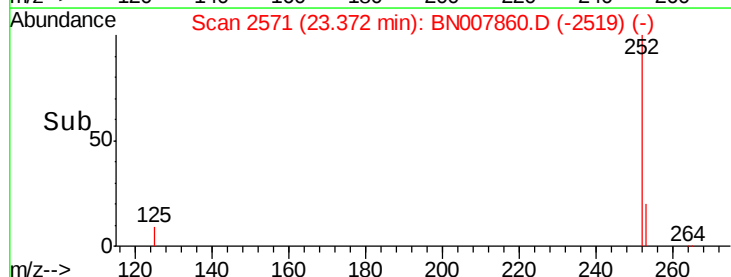
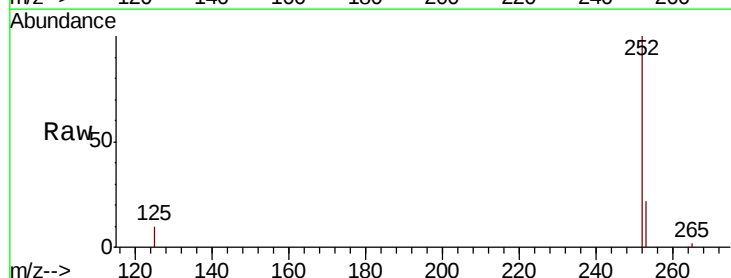
Manual Integrations  
APPROVED

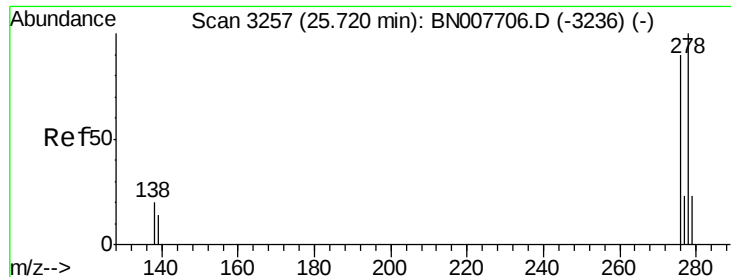
mohammad  
9/27/2019 8:27:53 AM



#37  
Benzo(a)pyrene  
Concen: 3.059 ng  
RT: 23.37 min Scan# 2571  
Delta R.T. -0.02 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.6  | 27.8  |
| 125     | 9.9   | 9.4   | 14.0  |





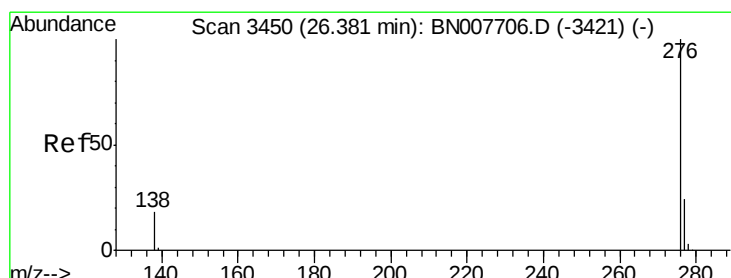
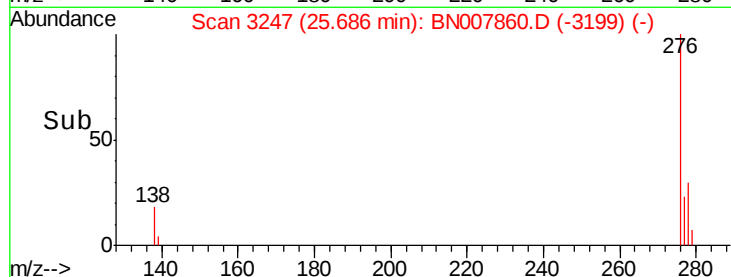
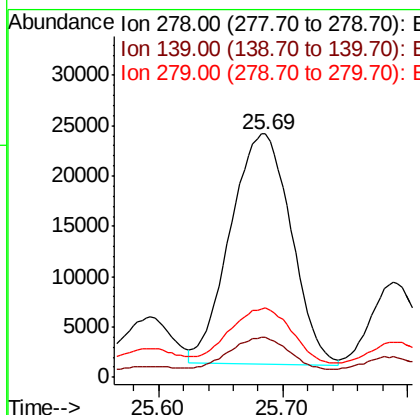
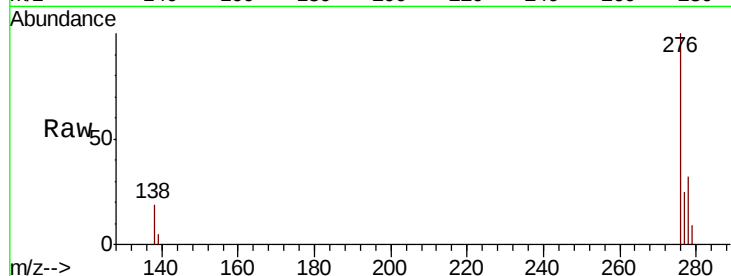
#38  
Dibenzo(a,h)anthracene  
Concen: 0.542 ng  
RT: 25.69 min Scan# 3247  
Delta R.T. -0.03 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

Instrument :  
BNA\_N  
ClientSampleId :  
PST-B231-091919-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.2  | 11.8  | 17.6  |
| 279     | 28.3  | 19.4  | 29.2  |

Manual Integrations  
APPROVED

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9/27/2019 8:27:53 AM



#39  
Benzo(g,h,i)perylene  
Concen: 2.187 ng  
RT: 26.35 min Scan# 3440  
Delta R.T. -0.03 min  
Lab File: BN007860.D  
Acq: 25 Sep 2019 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 19.8  | 29.8  |
| 138     | 19.1  | 15.1  | 22.7  |

