

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081019\  
 Data File : BN007079.D  
 Acq On : 11 Aug 2019 10:25  
 Operator : HP/JU  
 Sample : K4143-02MSD  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD

Manual Integrations  
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mohammad  
 8/14/2019 2:57:09 AM

Quant Time: Aug 12 11:19:11 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 9472     | 0.40 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.19 | 136  | 36008    | 0.40 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.08 | 164  | 21024    | 0.40 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.82 | 188  | 52367    | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.05 | 240  | 54176    | 0.40 | ng    | -0.01    |
| 32) Perylene-d12          | 23.16 | 264  | 59784    | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| 3) 2-Fluorophenol           | 5.06  | 112 | 5266   | 0.23 | ng | 0.00 |
| 4) Phenol-d6                | 6.61  | 99  | 7089   | 0.25 | ng | 0.00 |
| 7) Nitrobenzene-d5          | 8.56  | 82  | 5350   | 0.18 | ng | 0.00 |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152 | 13785m | 0.21 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 15.57 | 330 | 1524   | 0.13 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 12.71 | 172 | 4000   | 0.13 | ng | 0.00 |
| 24) Fluoranthene-d10        | 18.87 | 212 | 35767  | 0.19 | ng | 0.00 |
| 28) Terphenyl-d14           | 19.49 | 244 | 27064  | 0.18 | ng | 0.00 |

#### Target Compounds

|                               |       |     |       |       |    | Qvalue |
|-------------------------------|-------|-----|-------|-------|----|--------|
| 2) n-Nitrosodimethylamine     | 3.34  | 42  | 1670  | 0.268 | ng | # 97   |
| 5) bis(2-Chloroethyl)ether    | 6.87  | 93  | 5576  | 0.224 | ng | 99     |
| 8) Naphthalene                | 10.24 | 128 | 20659 | 0.205 | ng | 99     |
| 9) Hexachlorobutadiene        | 10.54 | 225 | 4117  | 0.191 | ng | # 100  |
| 11) 2-Methylnaphthalene       | 11.87 | 142 | 14773 | 0.207 | ng | 99     |
| 15) Acenaphthylene            | 13.79 | 152 | 22350 | 0.203 | ng | 100    |
| 16) Acenaphthene              | 14.13 | 154 | 14171 | 0.201 | ng | 99     |
| 17) Fluorene                  | 15.14 | 166 | 18313 | 0.174 | ng | 100    |
| 19) 4-Bromophenyl-phenylether | 16.03 | 248 | 7182  | 0.222 | ng | # 80   |
| 20) Hexachlorobenzene         | 16.14 | 284 | 6289  | 0.202 | ng | 100    |
| 21) Pentachlorophenol         | 16.48 | 266 | 1841  | 0.159 | ng | 97     |
| 22) Phenanthrene              | 16.87 | 178 | 33091 | 0.211 | ng | 100    |
| 23) Anthracene                | 16.95 | 178 | 29668 | 0.207 | ng | 100    |
| 25) Fluoranthene              | 18.90 | 202 | 40893 | 0.204 | ng | 100    |
| 27) Pyrene                    | 19.26 | 202 | 42547 | 0.224 | ng | 99     |
| 29) Benzo(a)anthracene        | 21.02 | 228 | 39670 | 0.200 | ng | 99     |
| 30) Chrysene                  | 21.08 | 228 | 39631 | 0.206 | ng | 99     |
| 31) Indeno(1,2,3-cd)pyrene    | 25.24 | 276 | 45431 | 0.214 | ng | 99     |
| 33) Benzo(b)fluoranthene      | 22.54 | 252 | 39222 | 0.191 | ng | 99     |
| 34) Benzo(k)fluoranthene      | 22.58 | 252 | 41127 | 0.203 | ng | 98     |
| 35) Benzo(a)pyrene            | 23.07 | 252 | 36840 | 0.198 | ng | 99     |
| 36) Dibenzo(a,h)anthracene    | 25.26 | 278 | 37802 | 0.204 | ng | 98     |
| 37) Benzo(g,h,i)perylene      | 25.86 | 276 | 38436 | 0.202 | ng | 99     |

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

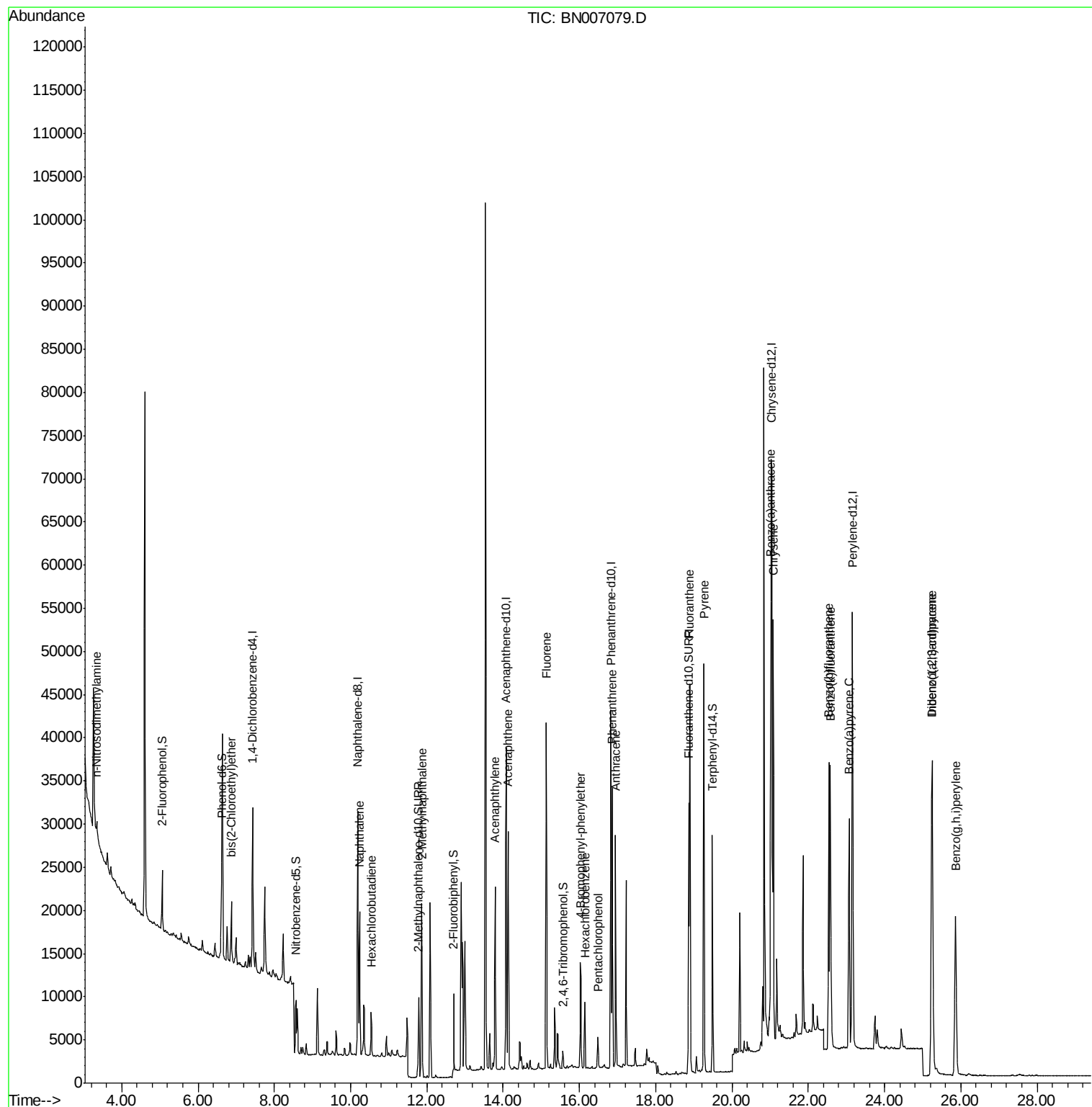
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081019\  
Data File : BN007079.D  
Acq On : 11 Aug 2019 10:25  
Operator : HP/JU  
Sample : K4143-02MSD  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

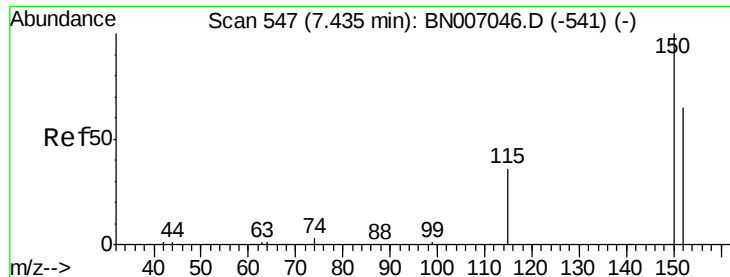
Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

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8/14/2019 2:57:09 AM

Quant Time: Aug 12 11:19:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 10 21:44:50 2019  
Response via : Initial Calibration





#1

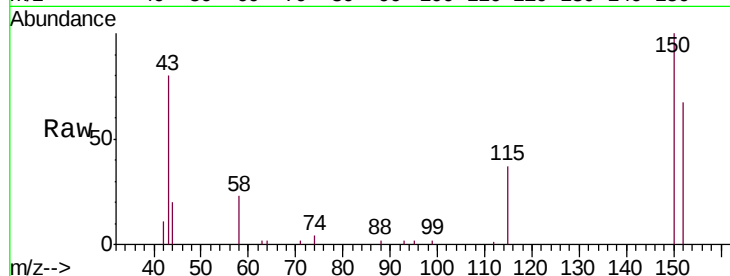
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.43 min Scan# 547  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

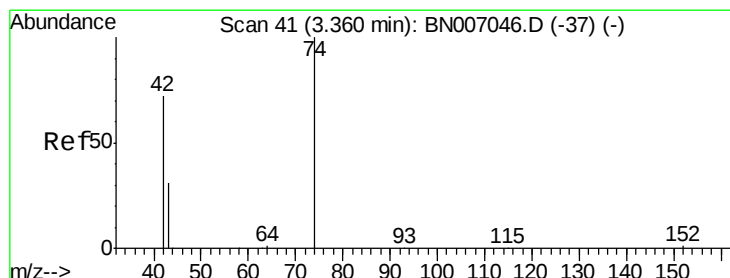
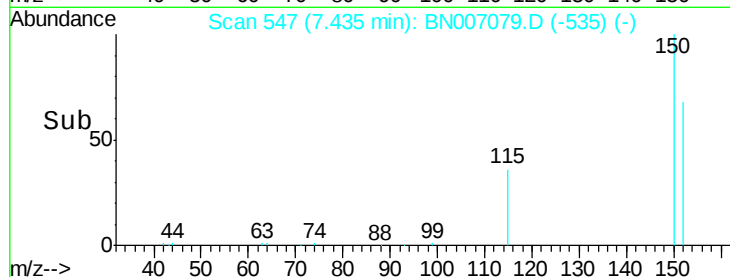
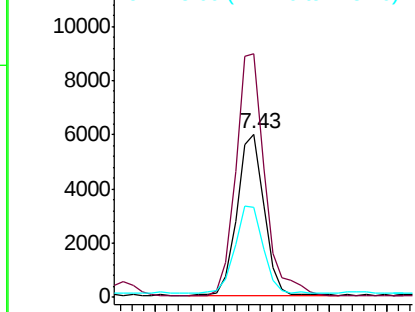
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.8 | 121.7 | 182.5 |
| 115     | 55.3  | 46.2  | 69.4  |

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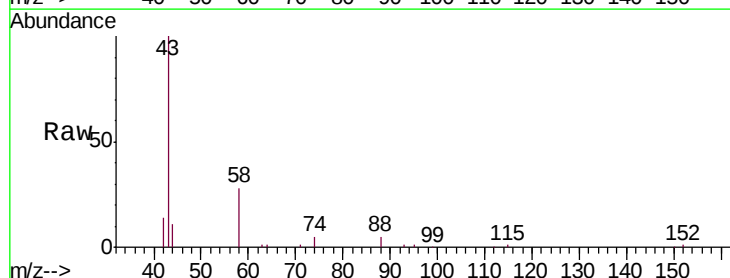
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



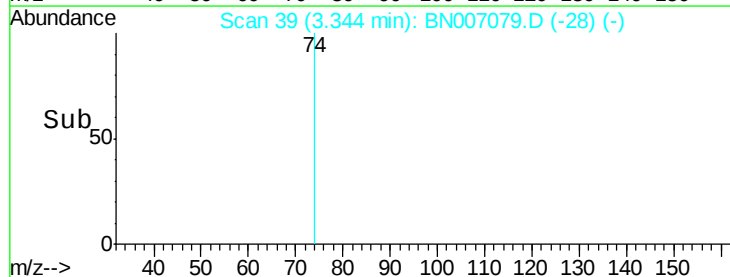
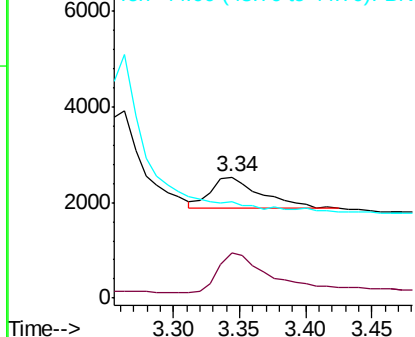
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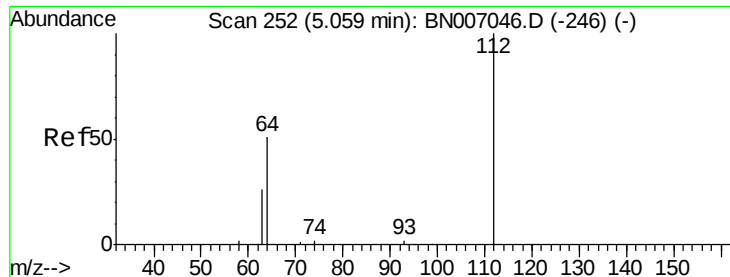
n-Nitrosodimethylamine  
Concen: 0.268 ng  
RT: 3.34 min Scan# 39  
Delta R.T. -0.02 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 135.0 | 110.6 | 166.0 |
| 44      | 0.0   | 0.0   | 0.0   |



Abundance Ion 42.00 (41.70 to 42.70): BNC  
Ion 74.00 (73.70 to 74.70): BNC  
Ion 44.00 (43.70 to 44.70): BNC





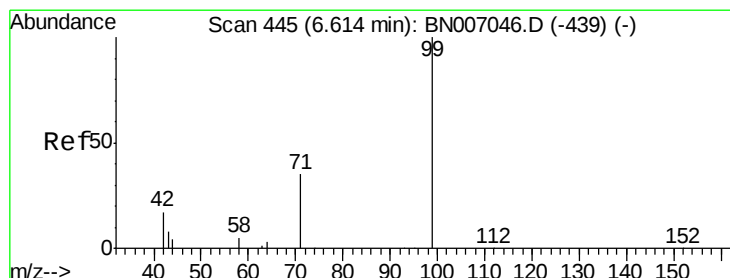
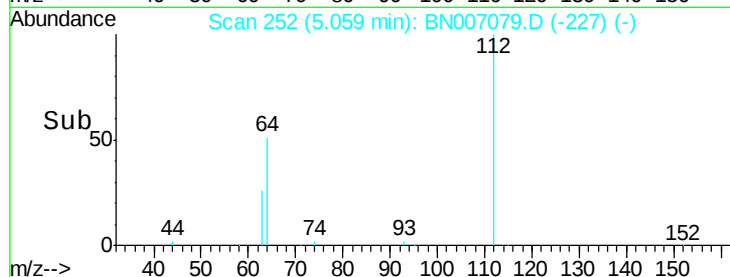
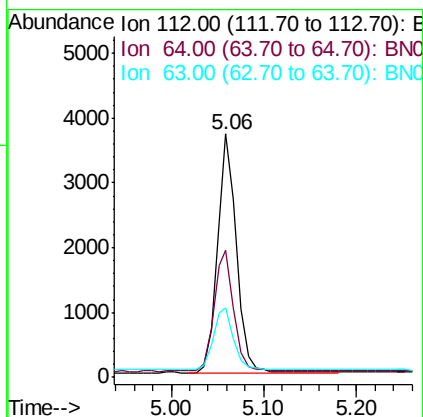
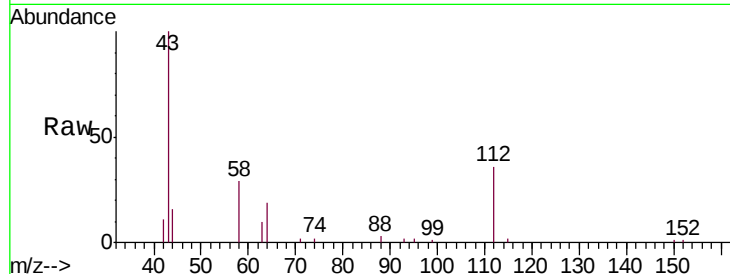
#3  
2-Fluorophenol  
Concen: 0.231 ng  
RT: 5.06 min Scan# 252  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 5266  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.1  | 42.6  | 63.8  |
| 63       | 27.6  | 22.2  | 33.2  |

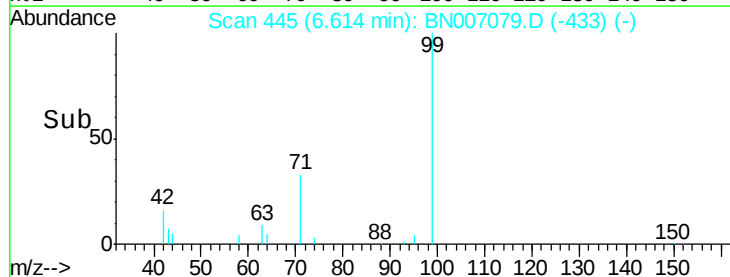
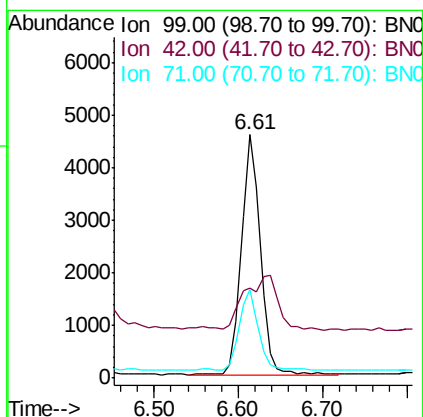
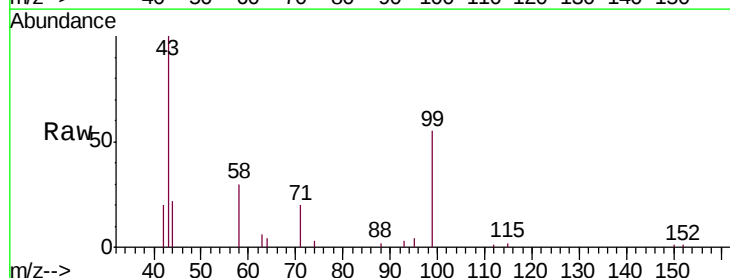
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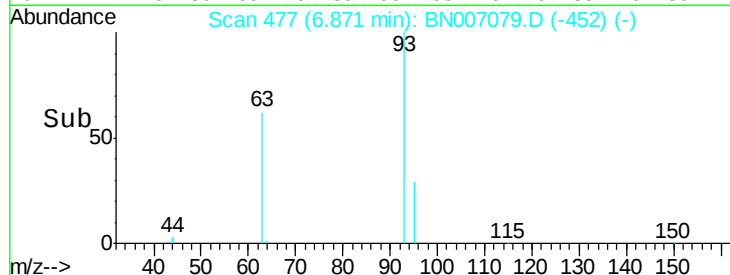
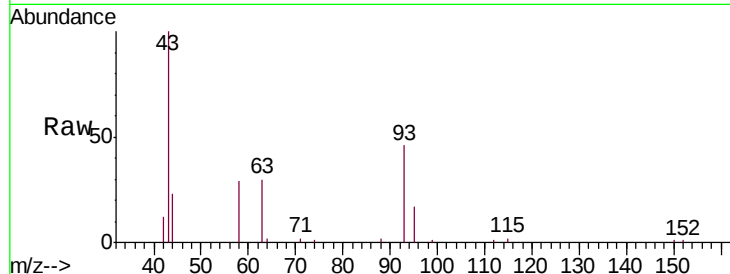
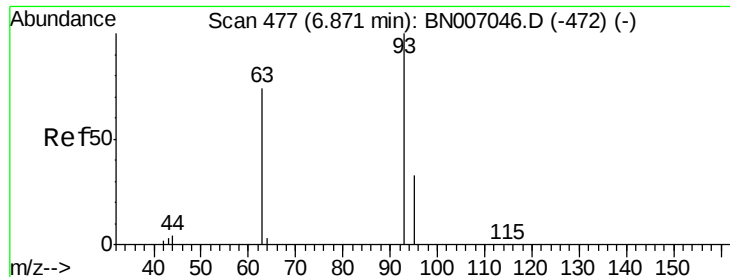
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#4  
Phenol-d6  
Concen: 0.251 ng  
RT: 6.61 min Scan# 445  
Delta R.T. 0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 7089  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 15.8  | 23.6# |
| 71       | 33.4  | 27.0  | 40.4  |





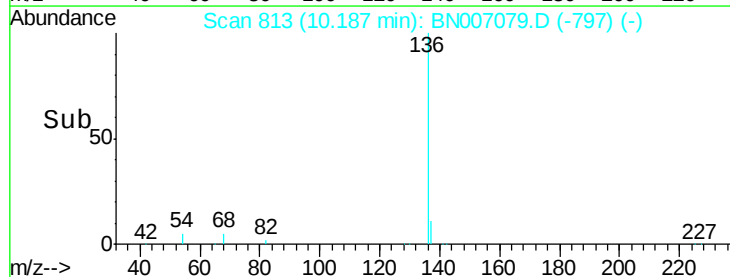
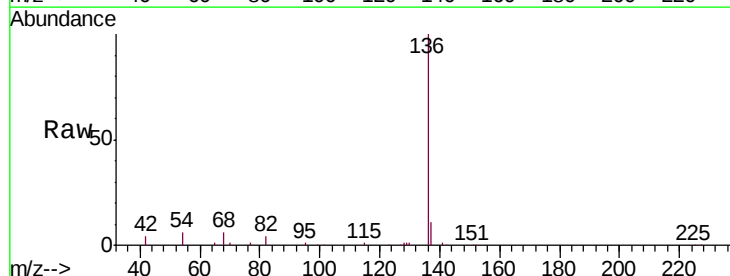
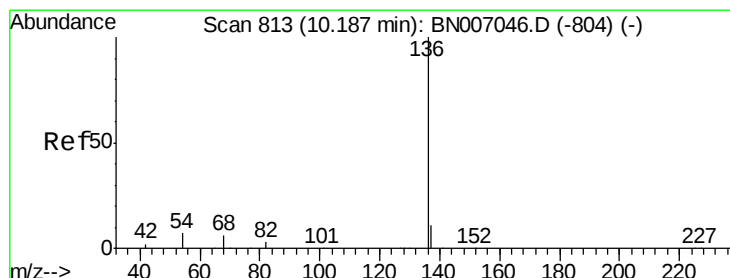
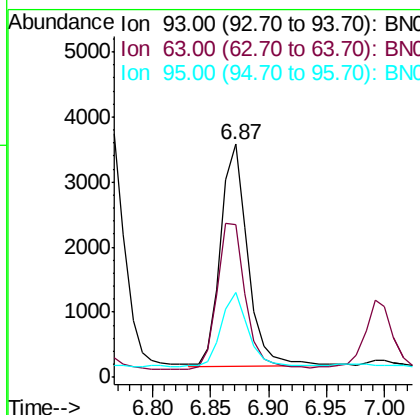
#5  
bis(2-Chloroethyl)ether  
Concen: 0.224 ng  
RT: 6.87 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 5576  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 69.0  | 55.6  | 83.4  |
| 95       | 32.5  | 26.7  | 40.1  |

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

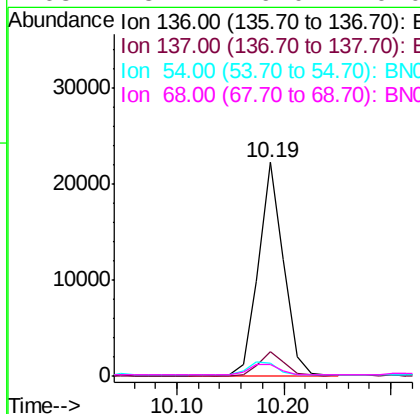
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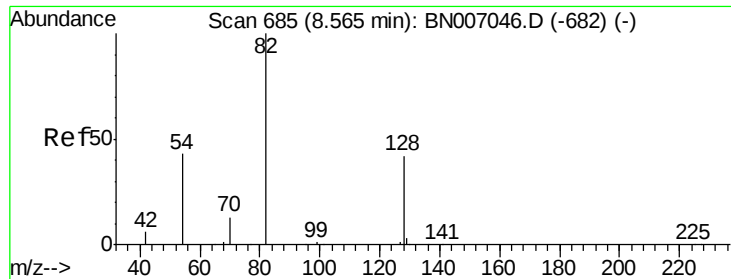
mohammad  
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#6  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.19 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 36008 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 9.4   | 14.0  |
| 54       | 6.3   | 6.6   | 9.8#  |
| 68       | 5.7   | 6.0   | 9.0#  |





#7

Nitrobenzene-d5

Concen: 0.184 ng

RT: 8.56 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN007079.D

Acq: 11 Aug 2019 10:25

Instrument :

BNA\_N

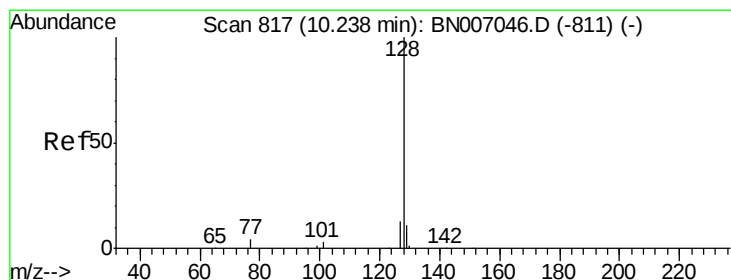
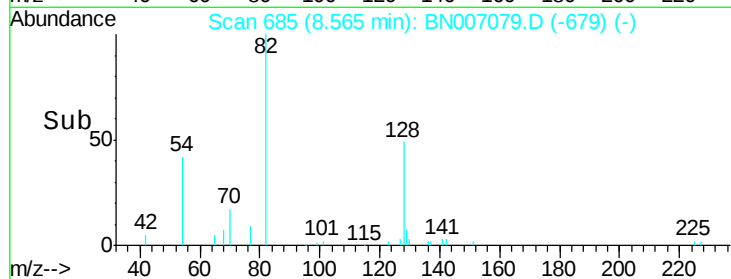
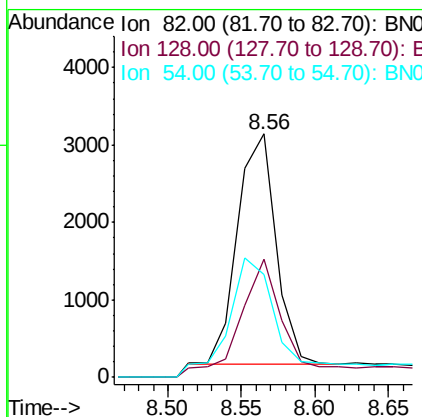
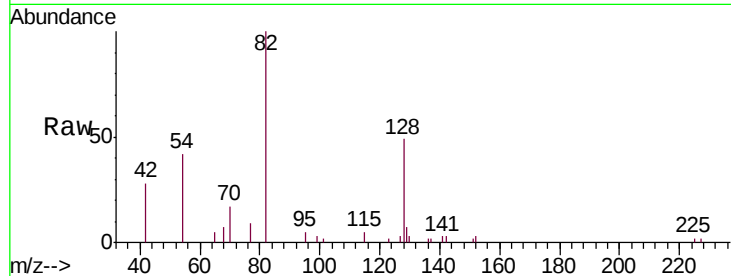
ClientSampleId :

PST-006-SW125-073019-1MSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 5350 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 48.8  | 34.6  | 51.8 |
| 54        | 42.3  | 36.2  | 54.4 |

Manual Integrations  
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#8

Naphthalene

Concen: 0.205 ng

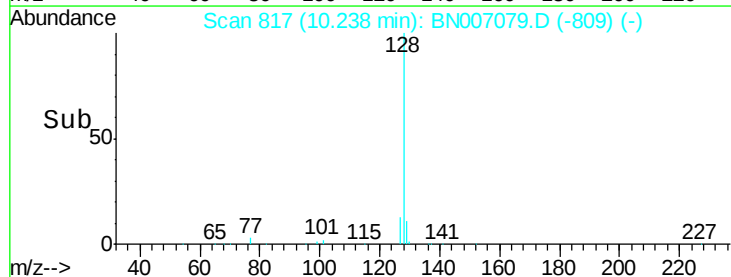
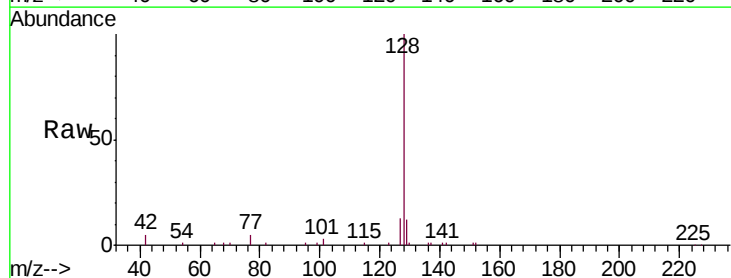
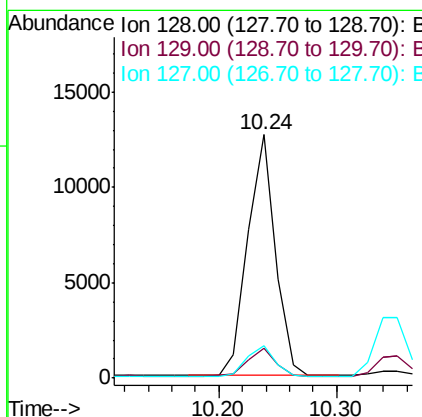
RT: 10.24 min Scan# 817

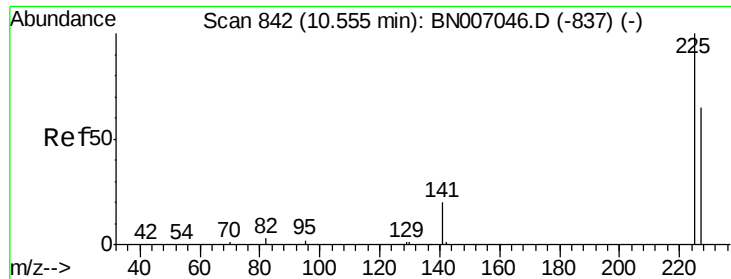
Delta R.T. -0.00 min

Lab File: BN007079.D

Acq: 11 Aug 2019 10:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 20659 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.0  | 9.4   | 14.2  |
| 127       | 13.5  | 11.0  | 16.6  |





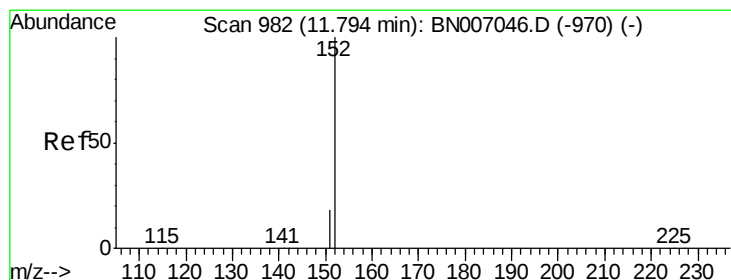
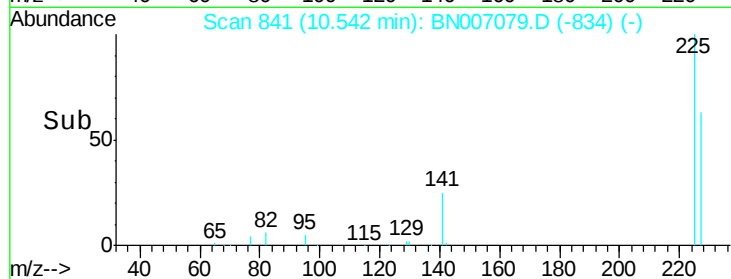
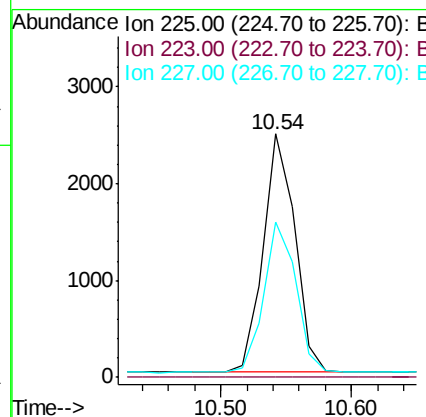
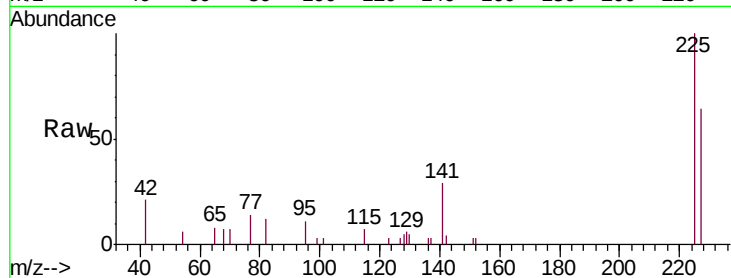
#9  
Hexachlorobutadiene  
Concen: 0.191 ng  
RT: 10.54 min Scan# 841  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 0.0   | 0.0   | 0.0   |
| 227     | 63.7  | 51.1  | 76.7  |

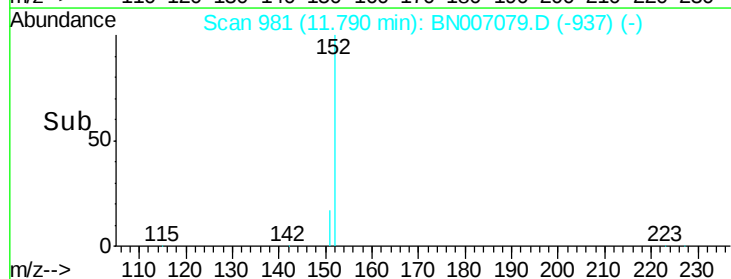
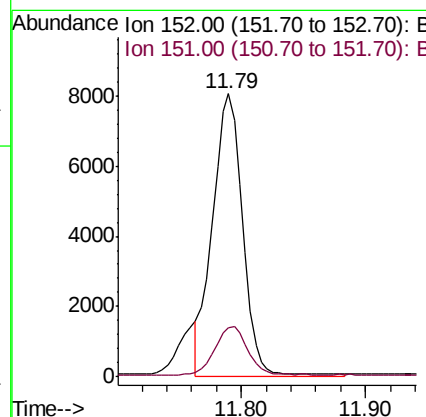
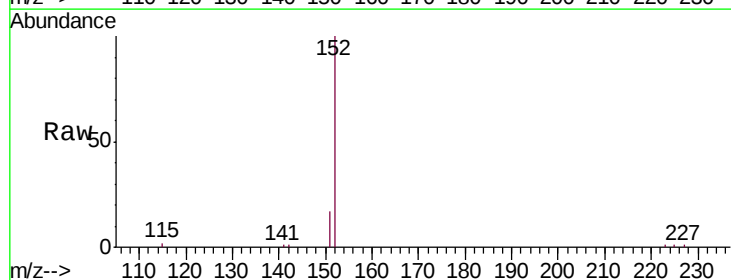
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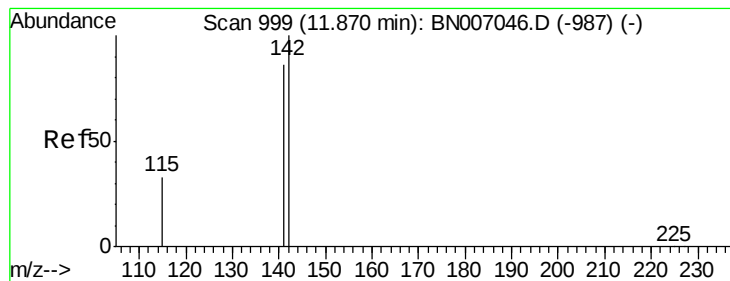
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#10  
2-Methylnaphthalene-d10  
Concen: 0.205 ng m  
RT: 11.79 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.2  | 15.5  | 23.3  |





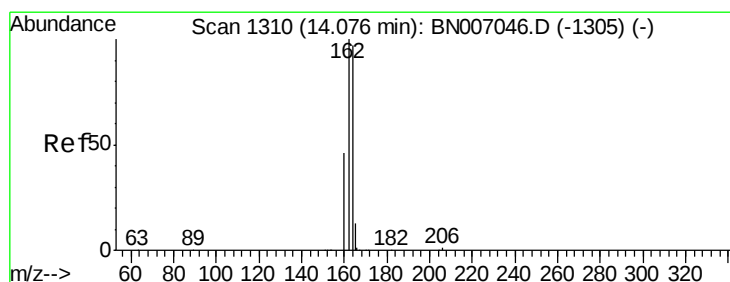
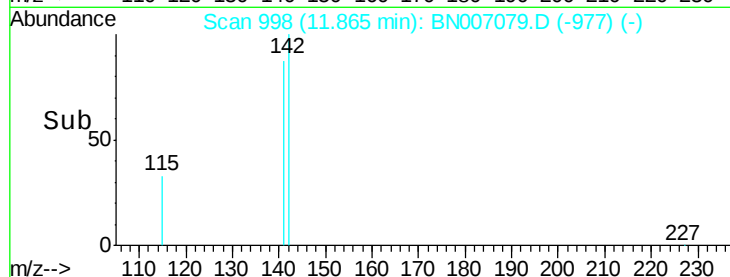
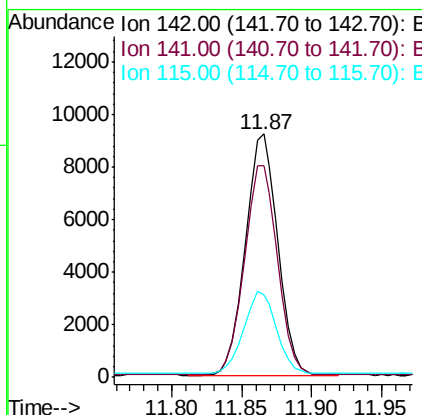
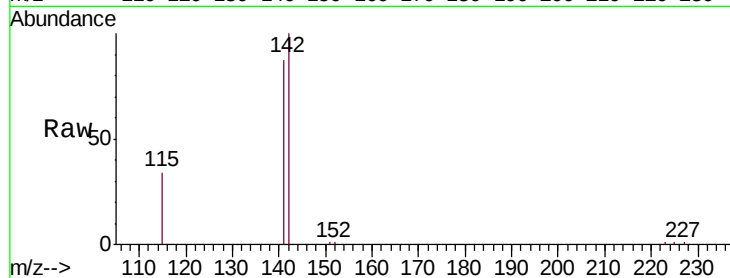
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2-Methylnaphthalene  
Concen: 0.207 ng  
RT: 11.87 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.1  | 69.0  | 103.6 |
| 115     | 34.1  | 27.1  | 40.7  |

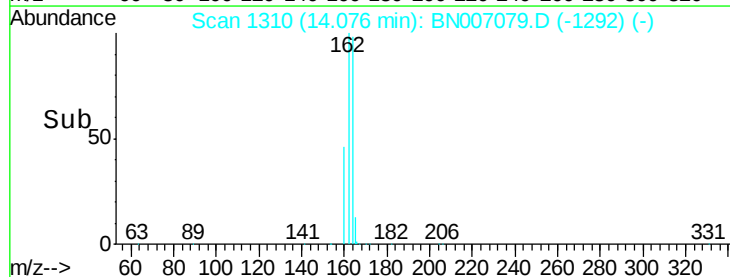
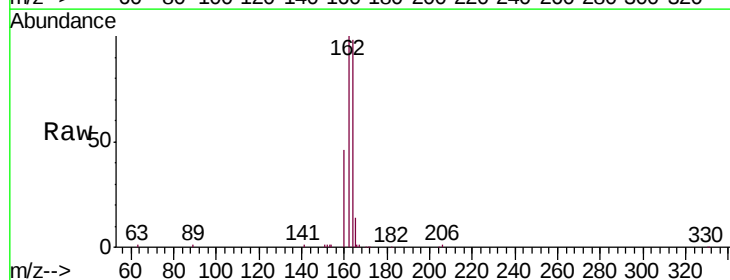
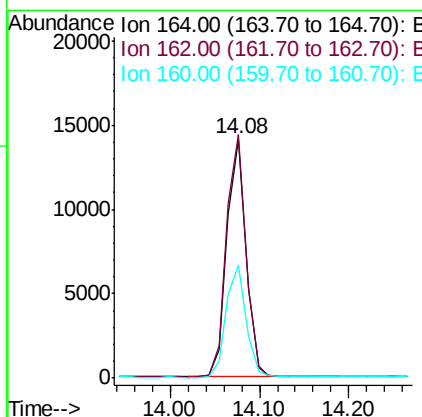
Manual Integrations  
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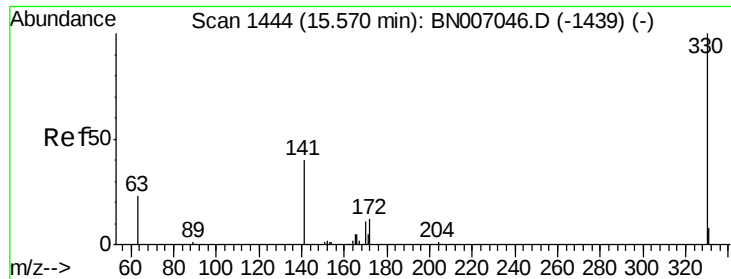
mohammad  
8/14/2019 2:57:09 AM



#12  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.08 min Scan# 1310  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 82.2  | 123.4 |
| 160     | 47.1  | 38.3  | 57.5  |





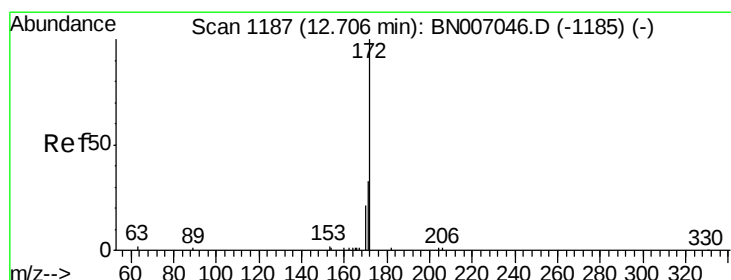
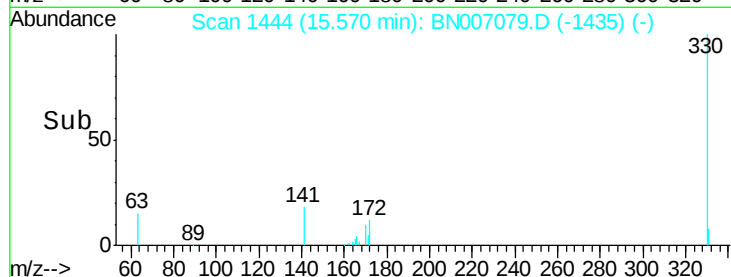
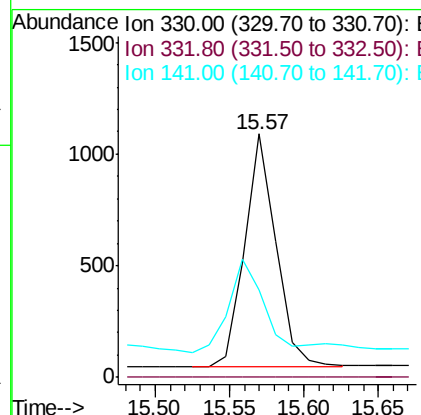
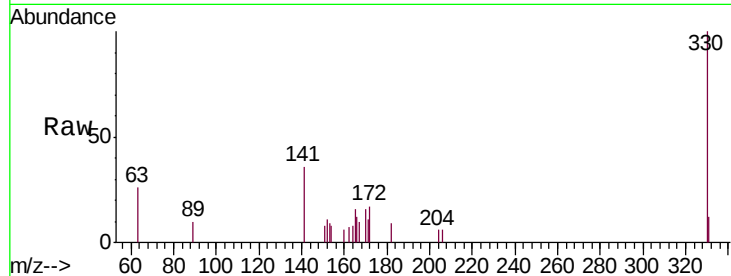
#13  
 2,4,6-Tribromophenol  
 Concen: 0.135 ng  
 RT: 15.57 min Scan# 1444  
 Delta R.T. 0.00 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 45.1  | 33.6  | 50.4  |

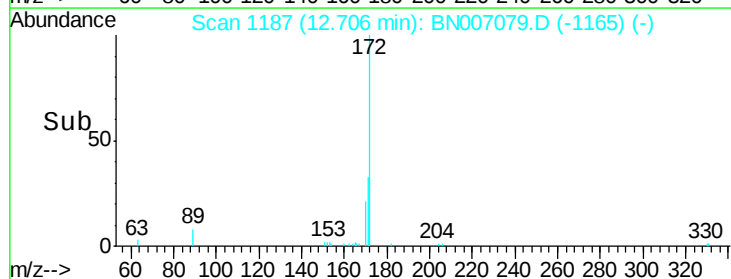
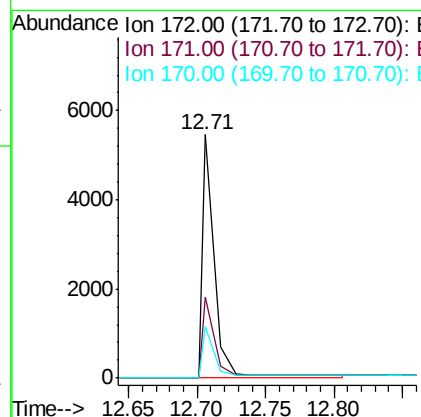
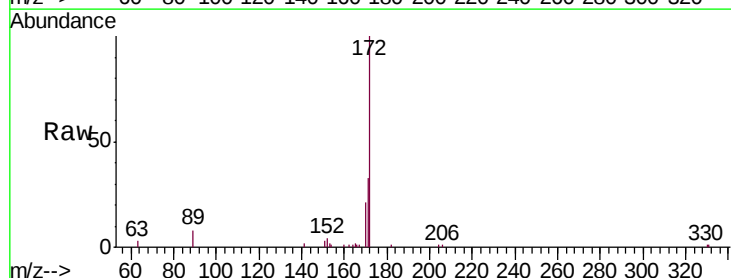
Manual Integrations  
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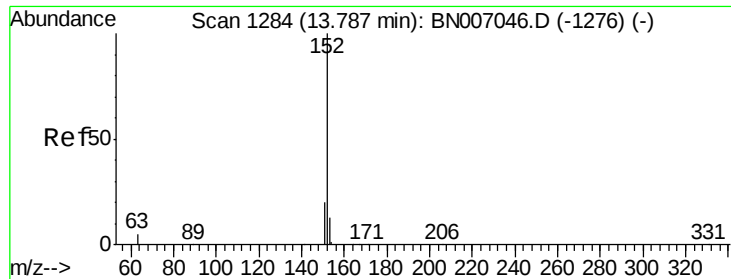
mohammad  
 8/14/2019 2:57:09 AM



#14  
 2-Fluorobiphenyl  
 Concen: 0.131 ng  
 RT: 12.71 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.3  | 26.3  | 39.5  |
| 170     | 21.0  | 17.0  | 25.4  |





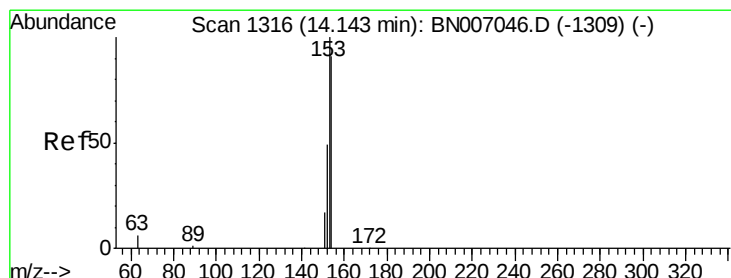
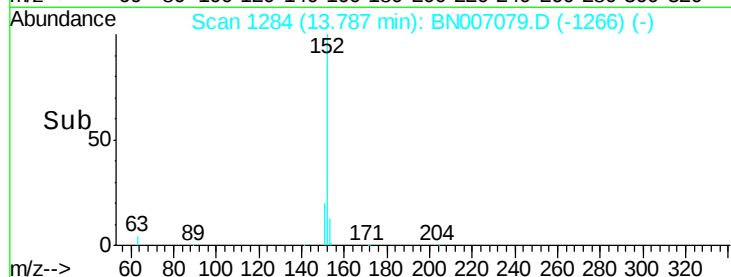
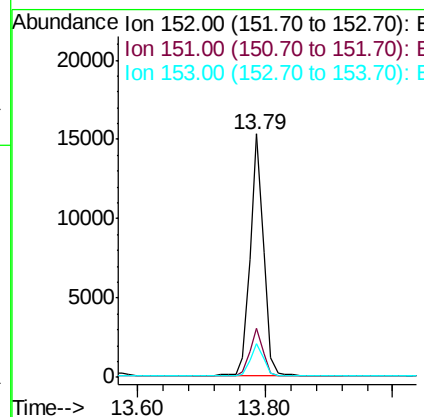
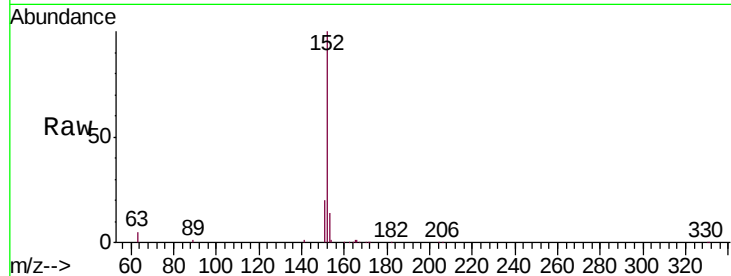
#15  
Acenaphthylene  
Concen: 0.203 ng  
RT: 13.79 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.8  | 23.6  |
| 153     | 13.1  | 10.4  | 15.6  |

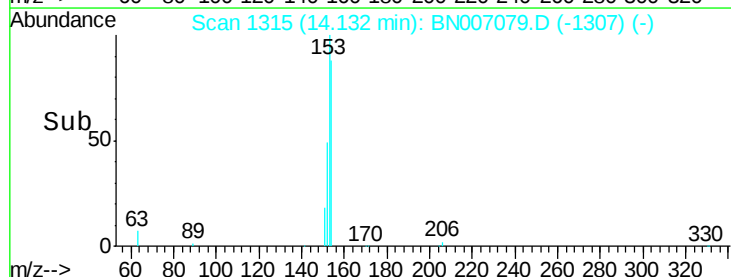
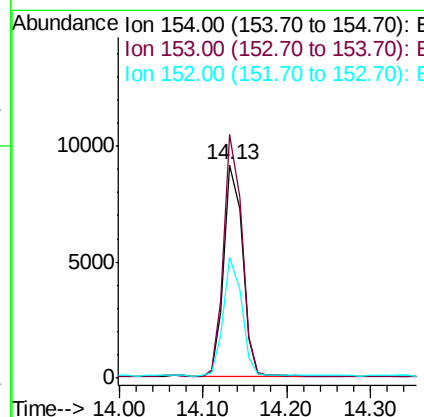
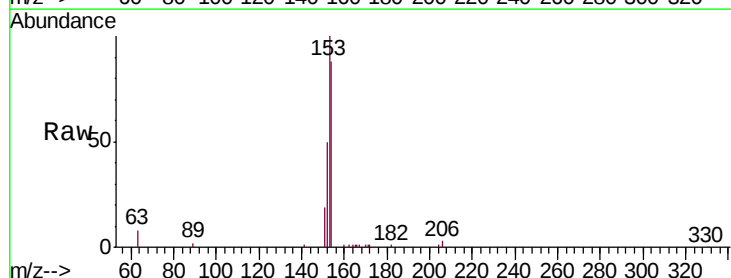
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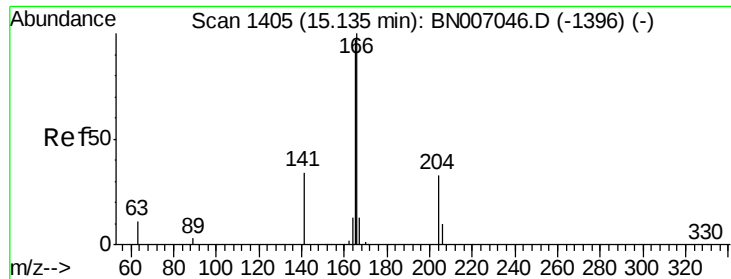
mohammad  
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#16  
Acenaphthene  
Concen: 0.201 ng  
RT: 14.13 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.3 | 89.5  | 134.3 |
| 152     | 55.7  | 44.8  | 67.2  |





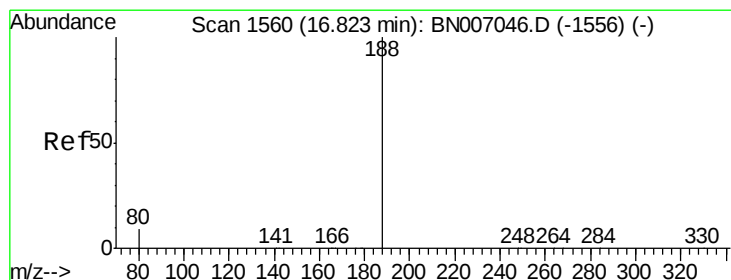
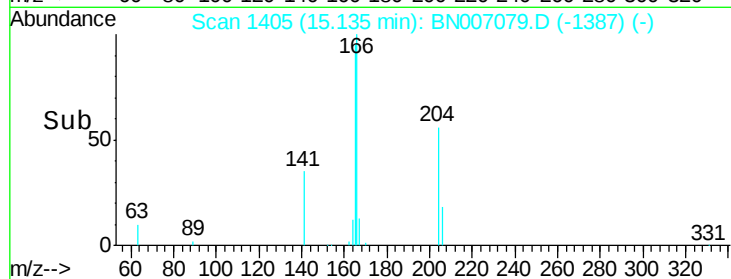
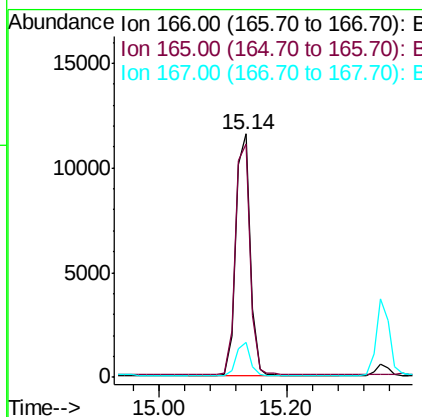
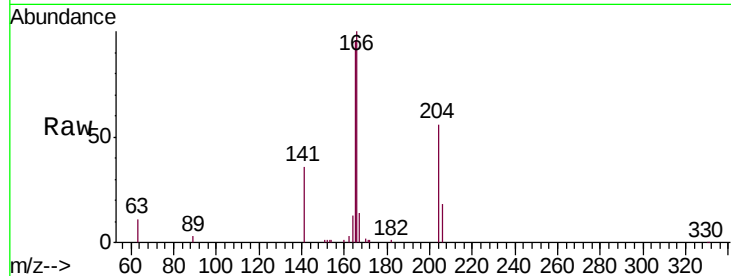
#17  
**Fluorene**  
 Concen: 0.174 ng  
 RT: 15.14 min Scan# 1405  
 Delta R.T. -0.00 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.7  | 77.9  | 116.9 |
| 167     | 13.5  | 10.9  | 16.3  |

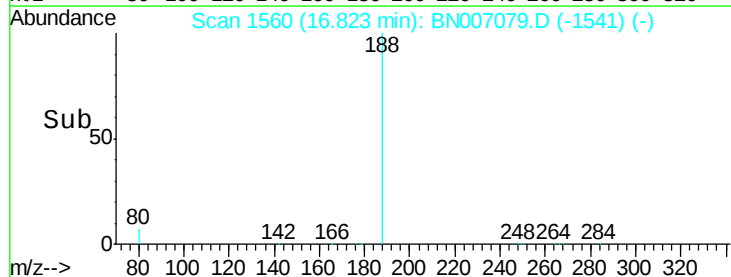
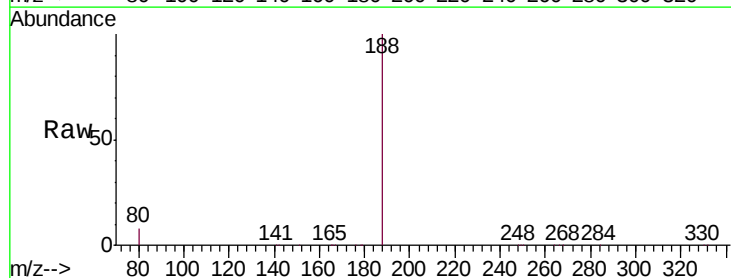
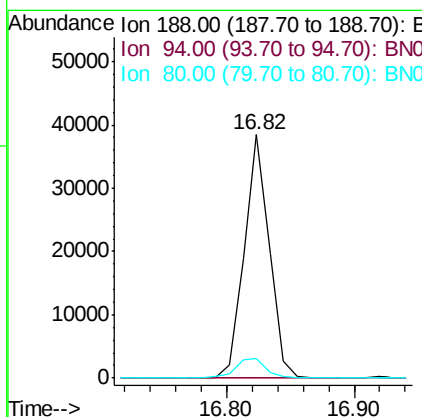
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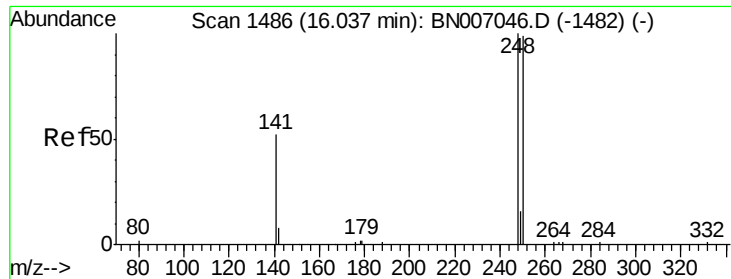
mohammad  
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#18  
**Phenanthrene-d10**  
 Concen: 0.400 ng  
 RT: 16.82 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 7.8   | 7.8   | 11.6  |





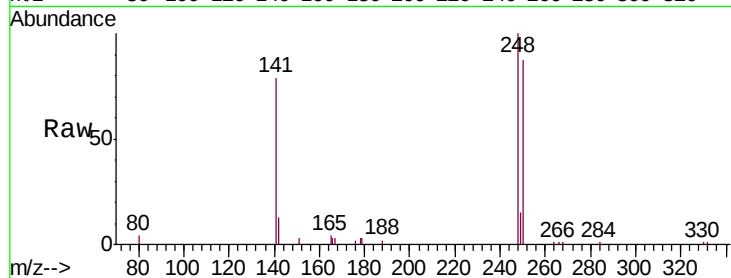
#19  
4-Bromophenyl-phenylether  
Concen: 0.222 ng  
RT: 16.03 min Scan# 1485  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

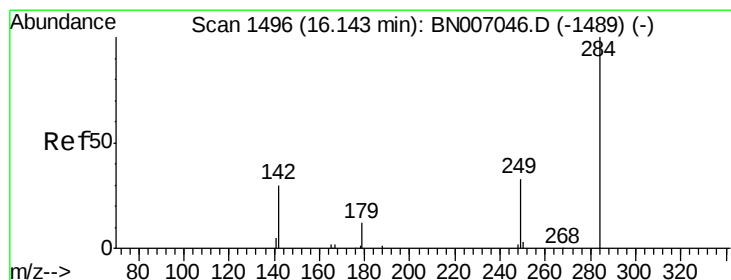
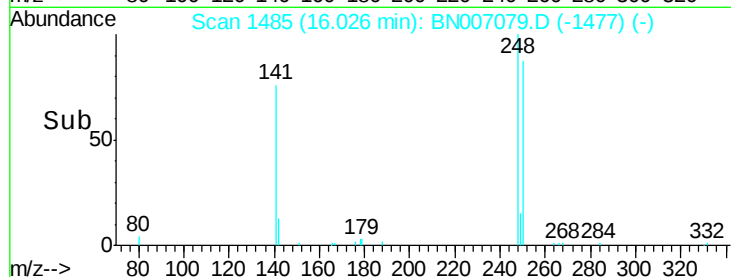
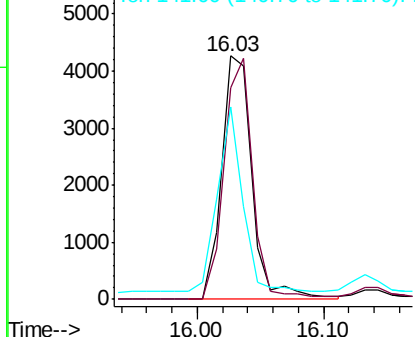
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 86.9  | 78.9  | 118.3 |
| 141     | 79.3  | 43.3  | 64.9  |

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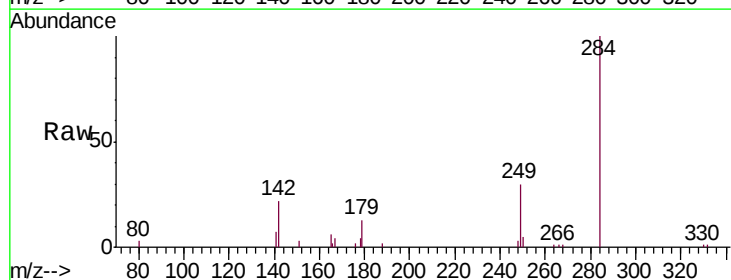


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

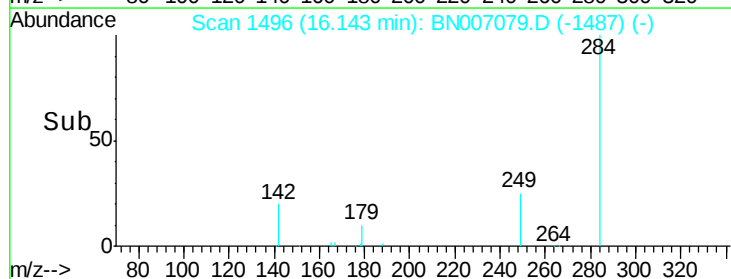
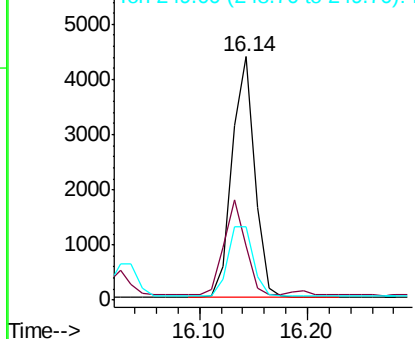


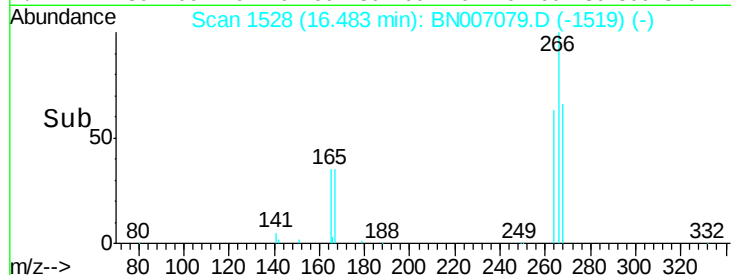
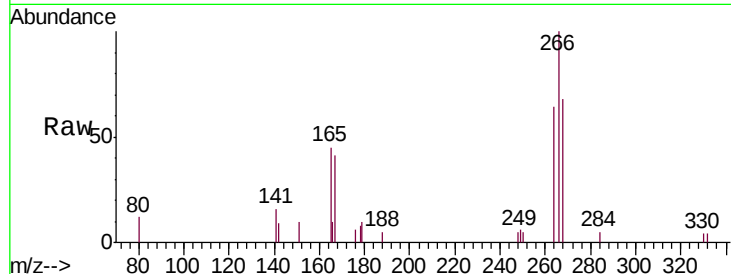
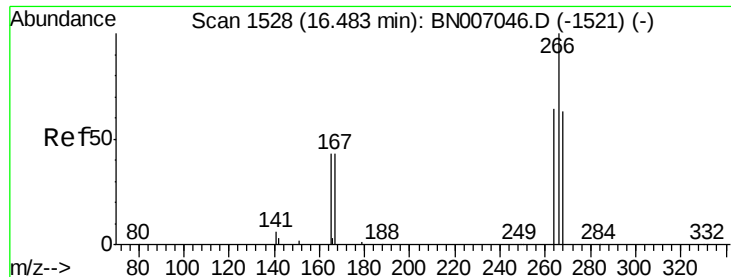
#20  
Hexachlorobenzene  
Concen: 0.202 ng  
RT: 16.14 min Scan# 1496  
Delta R.T. 0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.0  | 30.5  | 45.7  |
| 249     | 33.0  | 26.7  | 40.1  |



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





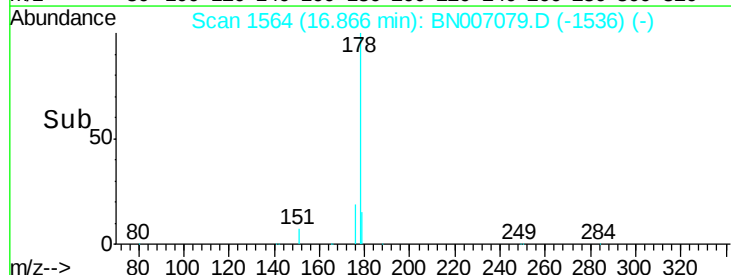
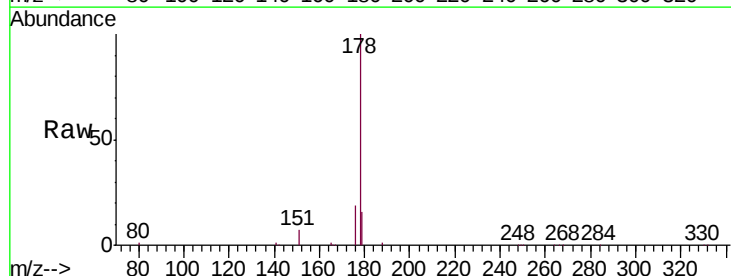
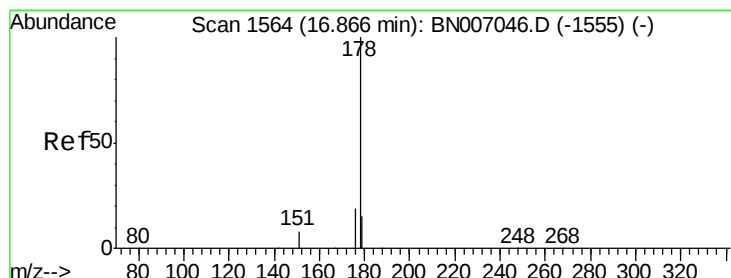
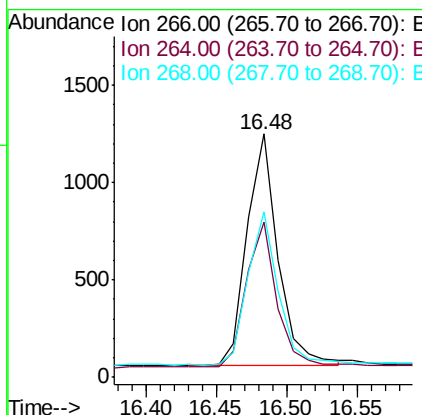
#21  
Pentachlorophenol  
Concen: 0.159 ng  
RT: 16.48 min Scan# 1528  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.7  | 52.3  | 78.5  |
| 268     | 67.9  | 51.5  | 77.3  |

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

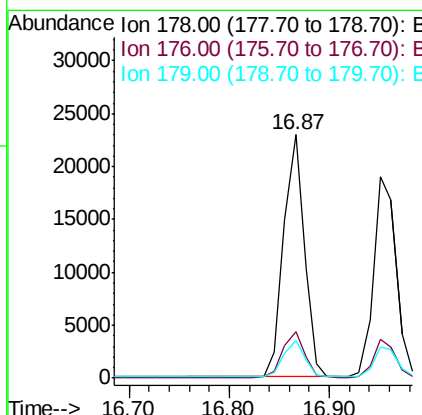
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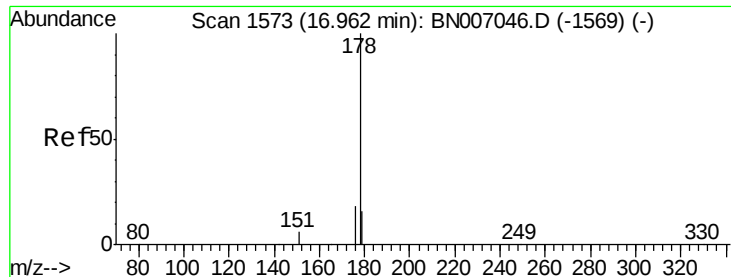
mohammad  
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#22  
Phenanthrene  
Concen: 0.211 ng  
RT: 16.87 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.2  | 22.8  |
| 179     | 15.6  | 12.3  | 18.5  |





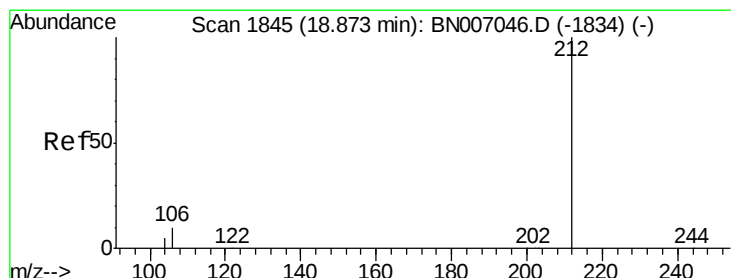
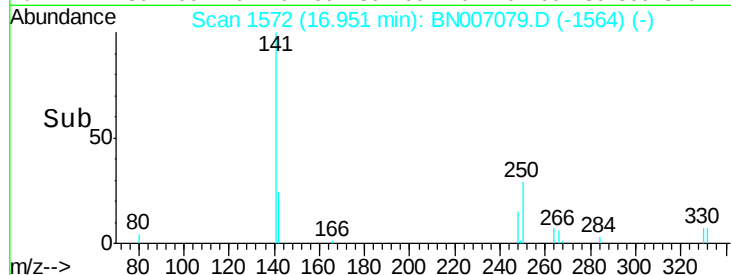
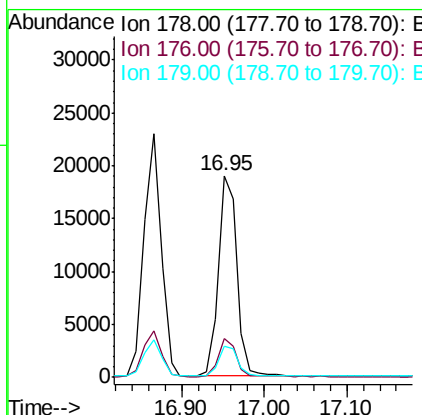
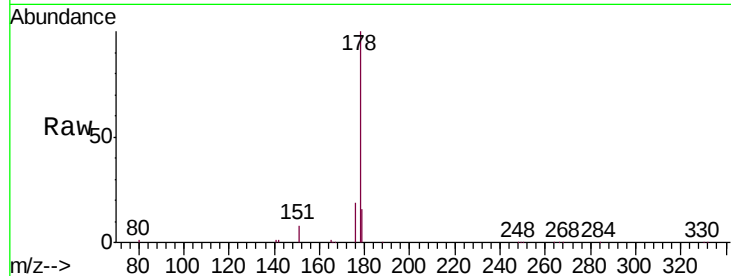
#23  
 Anthracene  
 Concen: 0.207 ng  
 RT: 16.95 min Scan# 1572  
 Delta R.T. -0.01 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 14.6  | 21.8  |
| 179     | 15.5  | 12.5  | 18.7  |

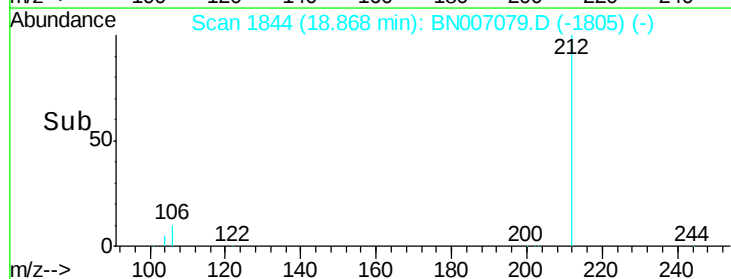
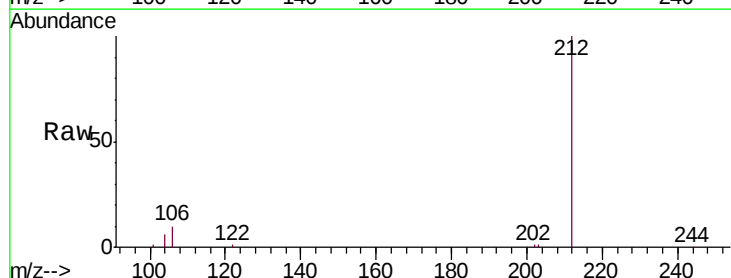
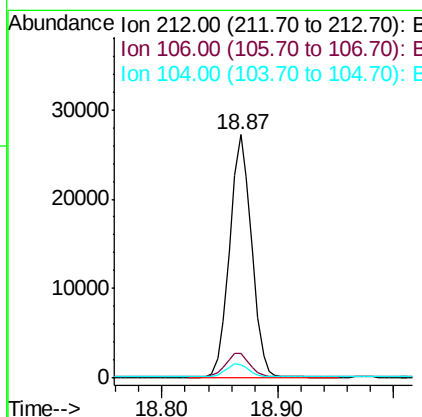
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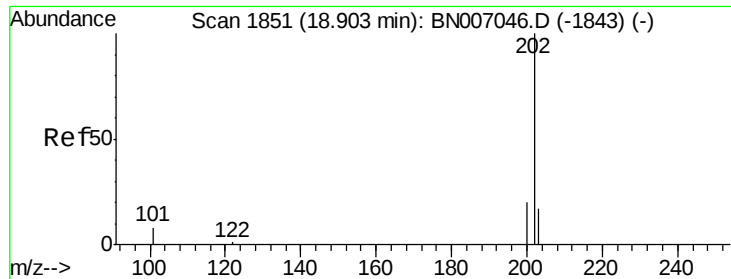
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#24  
 Fluoranthene-d10  
 Concen: 0.193 ng  
 RT: 18.87 min Scan# 1844  
 Delta R.T. -0.00 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 10.2  | 8.2   | 12.2  |
| 104     | 5.6   | 4.5   | 6.7   |





#25

Fluoranthene

Concen: 0.204 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN007079.D

Acq: 11 Aug 2019 10:25

Instrument :

BNA\_N

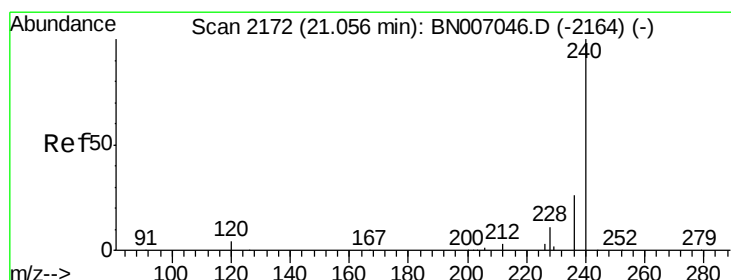
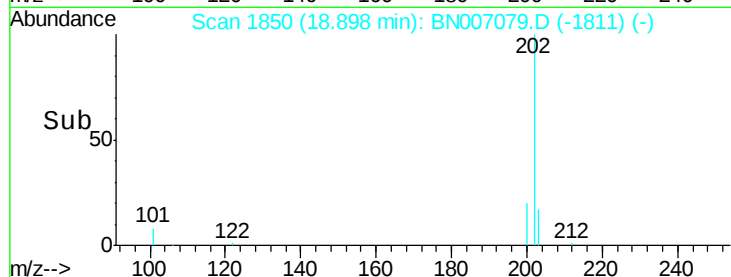
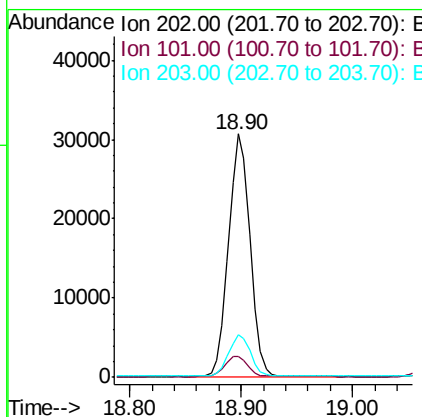
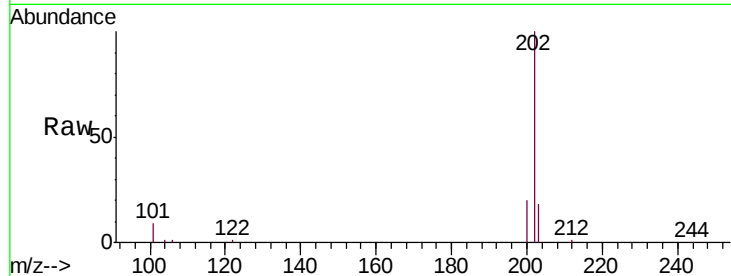
ClientSampleId :

PST-006-SW125-073019-1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 40893 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.6   | 7.0   | 10.4  |
| 203       | 17.2  | 13.8  | 20.8  |

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#26

Chrysene-d12

Concen: 0.400 ng

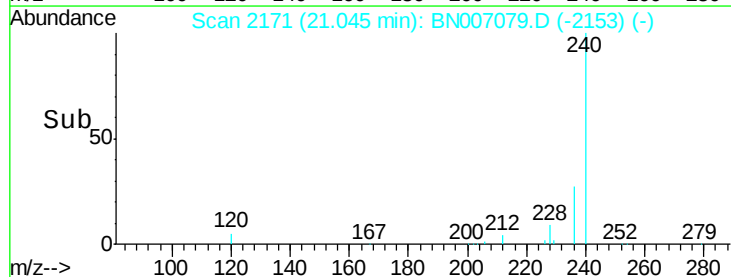
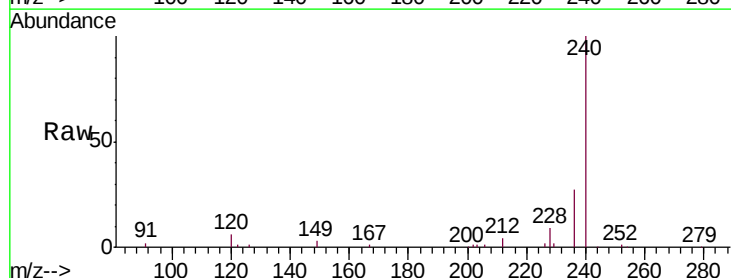
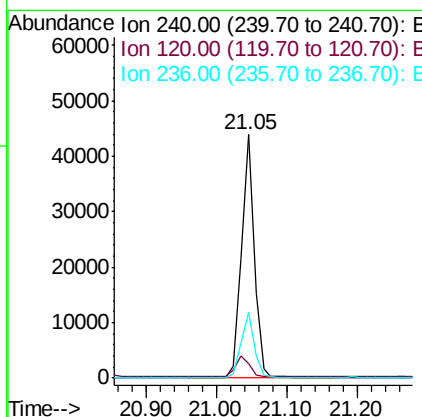
RT: 21.05 min Scan# 2171

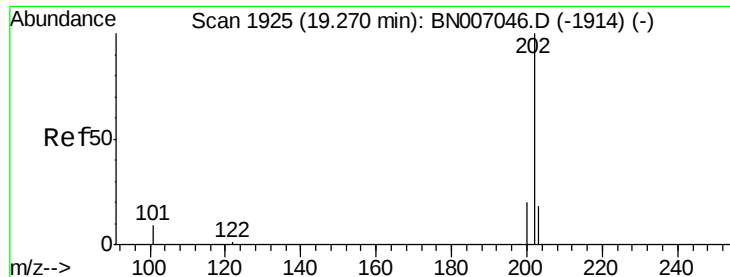
Delta R.T. -0.01 min

Lab File: BN007079.D

Acq: 11 Aug 2019 10:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 54176 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 6.1   | 4.0   | 6.0#  |
| 236       | 27.0  | 21.3  | 31.9  |





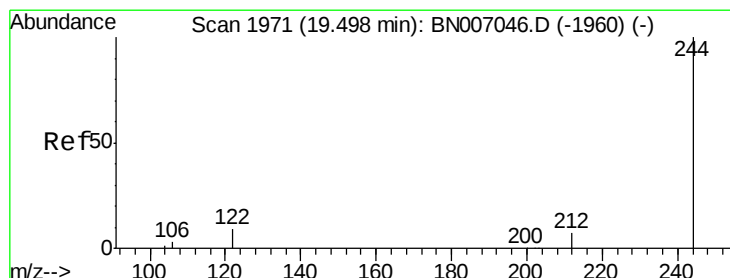
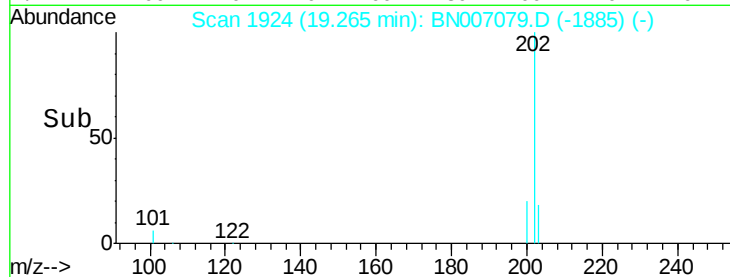
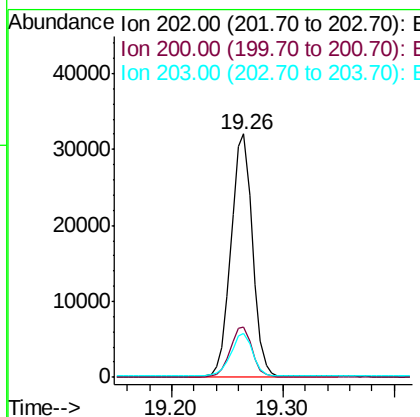
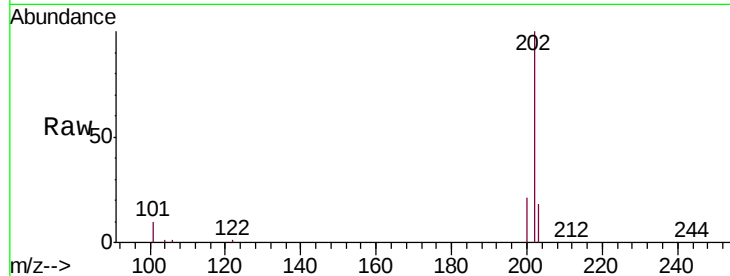
#27  
 Pyrene  
 Concen: 0.224 ng  
 RT: 19.26 min Scan# 1924  
 Delta R.T. -0.00 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 16.6  | 24.8  |
| 203     | 18.3  | 14.0  | 21.0  |

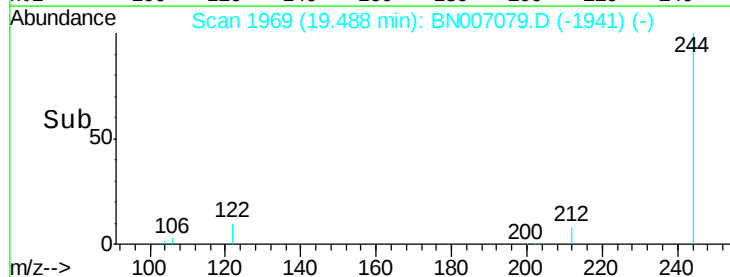
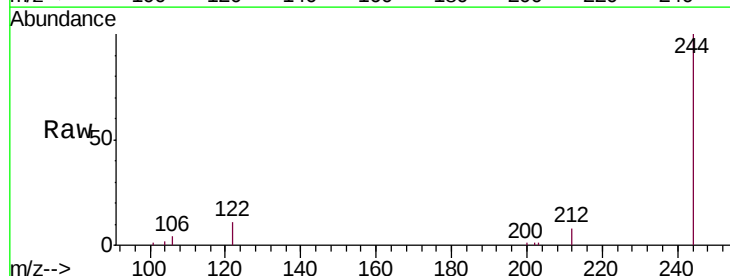
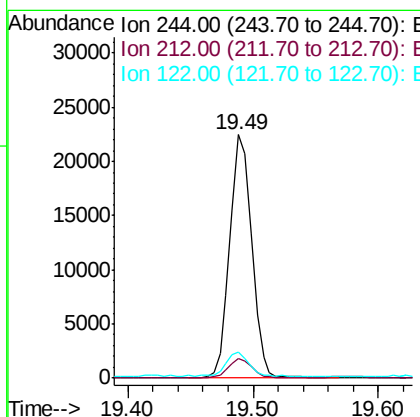
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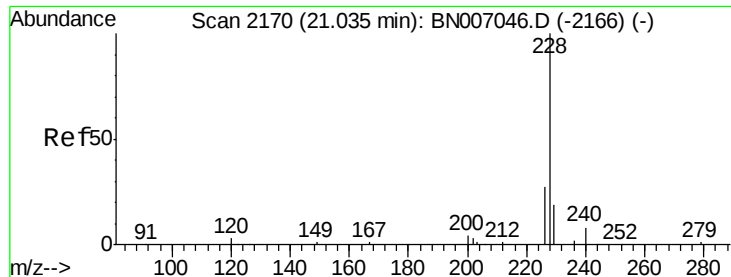
mohammad  
 8/14/2019 2:57:09 AM



#28  
 Terphenyl-d14  
 Concen: 0.183 ng  
 RT: 19.49 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 6.2   | 9.2   |
| 122     | 10.6  | 7.4   | 11.2  |





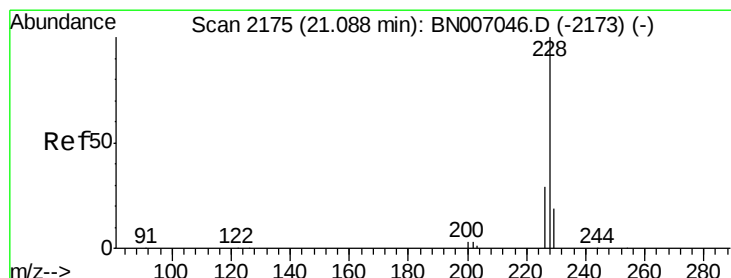
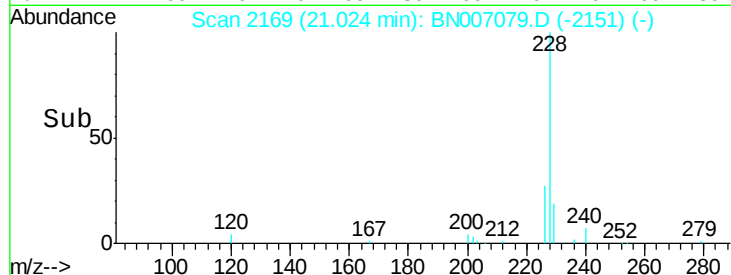
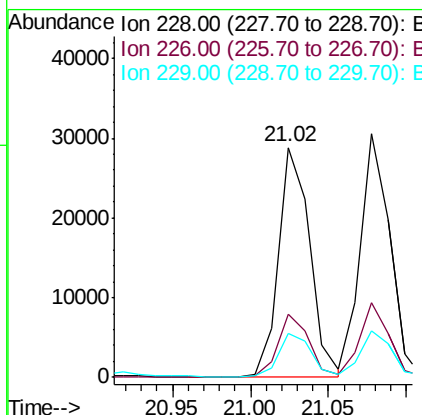
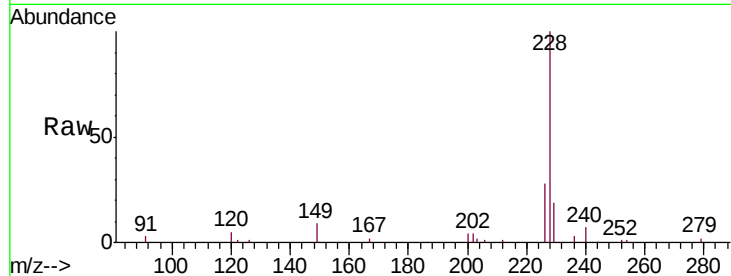
#29  
Benzo(a)anthracene  
Concen: 0.200 ng  
RT: 21.02 min Scan# 2169  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 21.8  | 32.6  |
| 229     | 19.3  | 15.6  | 23.4  |

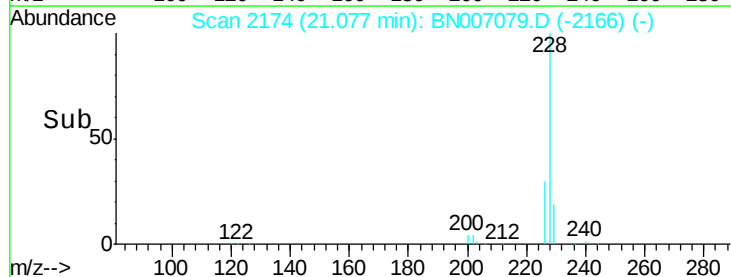
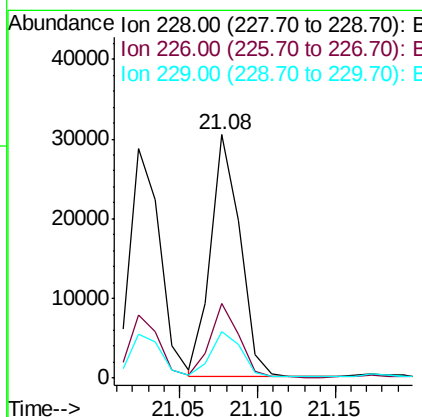
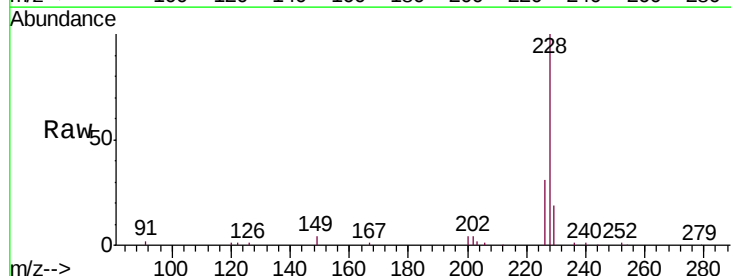
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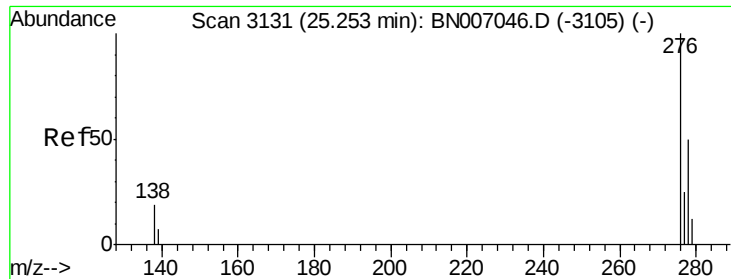
mohammad  
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#30  
Chrysene  
Concen: 0.206 ng  
RT: 21.08 min Scan# 2174  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 23.8  | 35.6  |
| 229     | 19.3  | 15.7  | 23.5  |





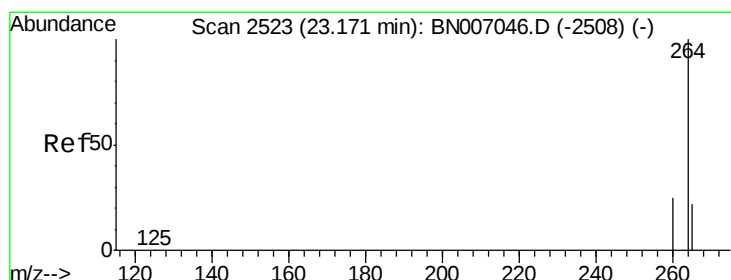
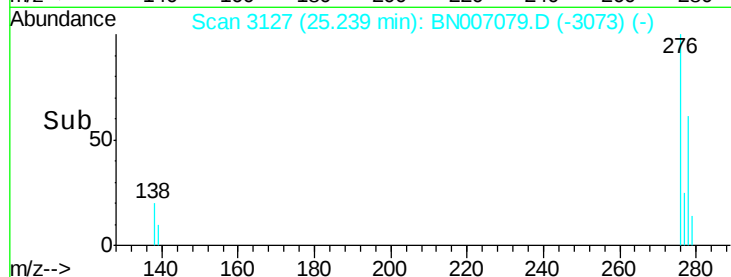
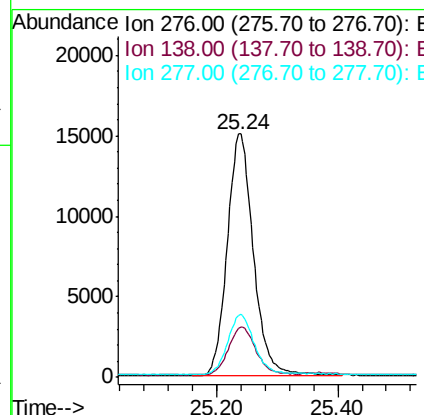
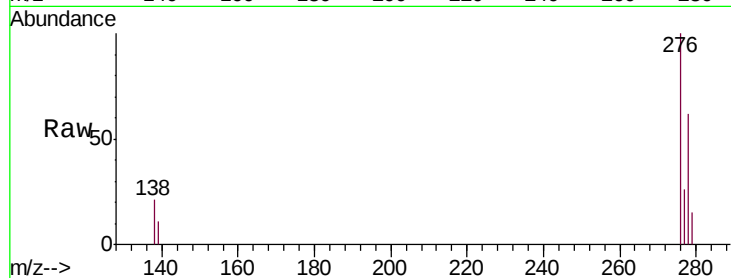
#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.214 ng  
 RT: 25.24 min Scan# 3127  
 Delta R.T. -0.01 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.8  | 16.0  | 24.0  |
| 277     | 24.9  | 19.9  | 29.9  |

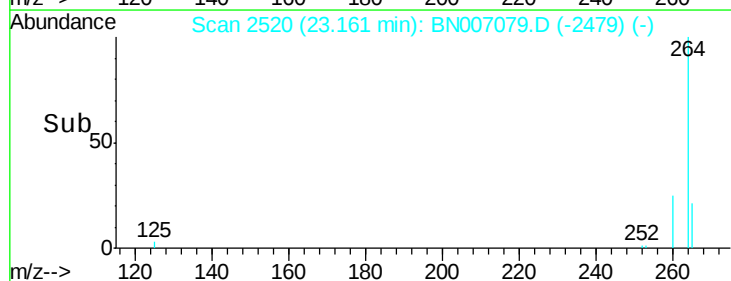
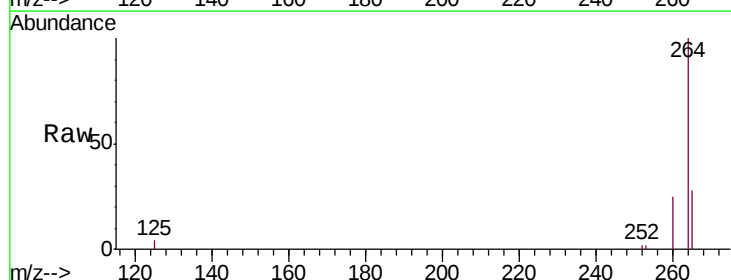
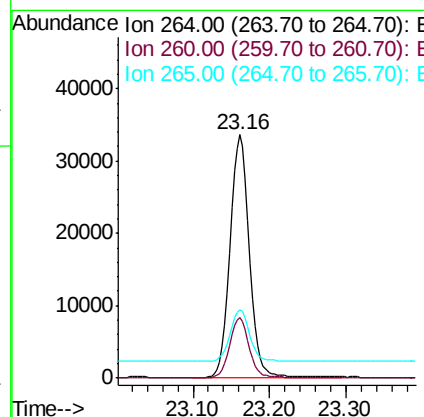
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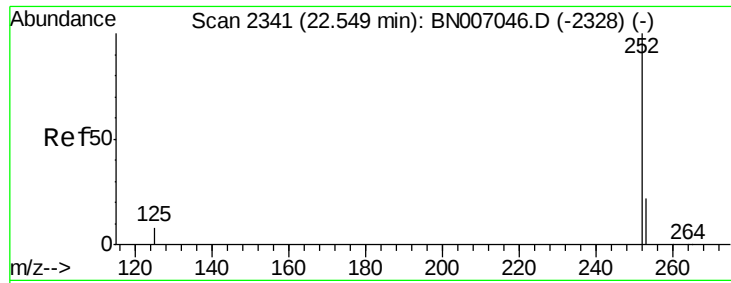
mohammad  
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#32  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.16 min Scan# 2520  
 Delta R.T. -0.01 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.8  | 29.8  |
| 265     | 28.2  | 26.2  | 39.4  |





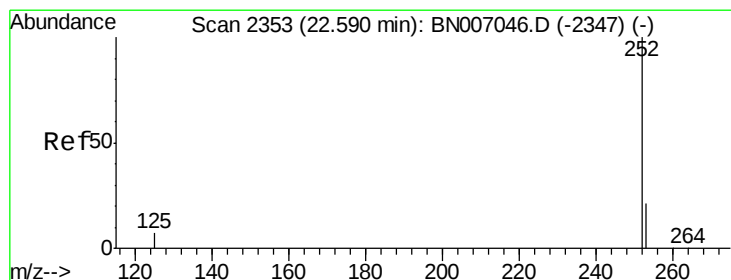
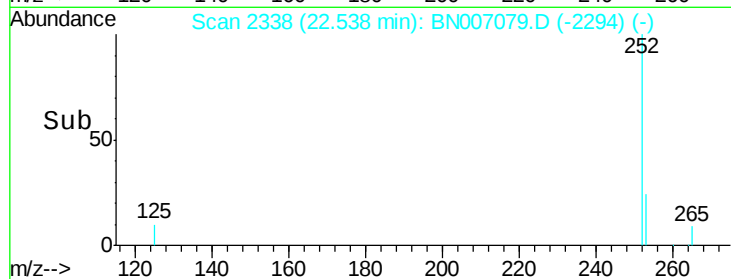
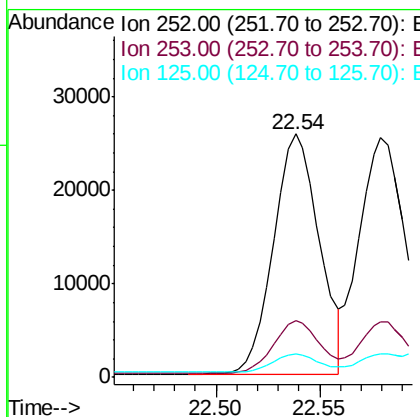
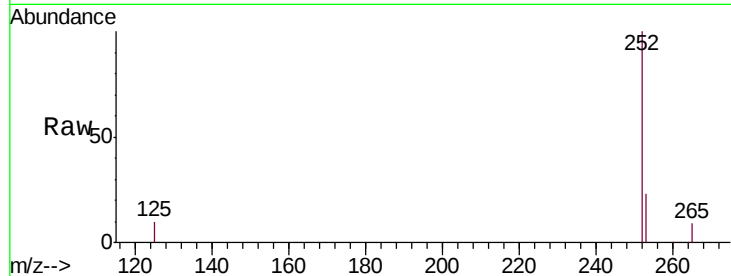
#33  
Benzo(b)fluoranthene  
Concen: 0.191 ng  
RT: 22.54 min Scan# 2338  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

Instrument :  
BNA\_N  
ClientSampleId :  
PST-006-SW125-073019-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.2  | 27.2  |
| 125     | 9.6   | 7.4   | 11.0  |

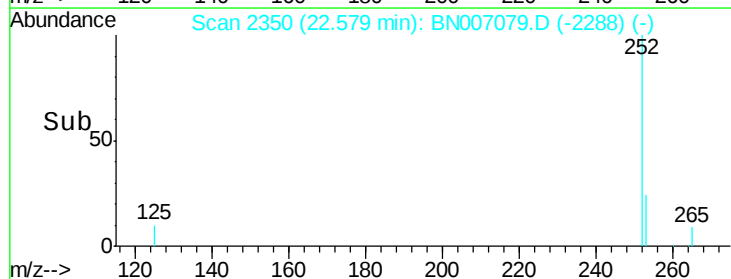
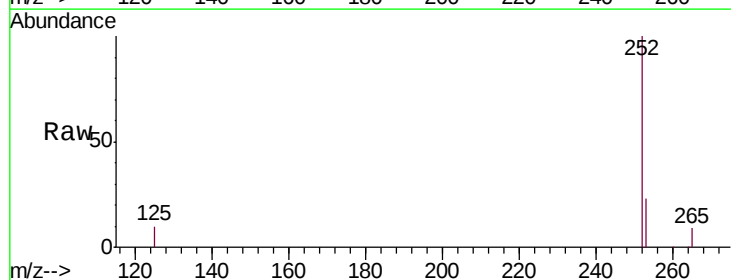
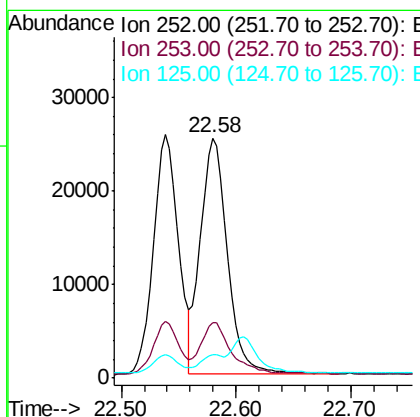
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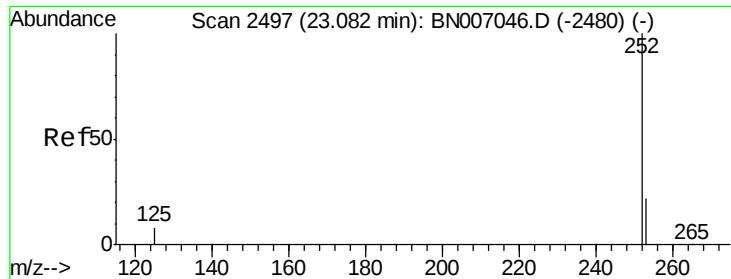
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#34  
Benzo(k)fluoranthene  
Concen: 0.203 ng  
RT: 22.58 min Scan# 2350  
Delta R.T. -0.01 min  
Lab File: BN007079.D  
Acq: 11 Aug 2019 10:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.1  | 27.1  |
| 125     | 10.0  | 7.4   | 11.0  |





#35

Benzo(a)pyrene

Concen: 0.198 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007079.D

Acq: 11 Aug 2019 10:25

Instrument :

BNA\_N

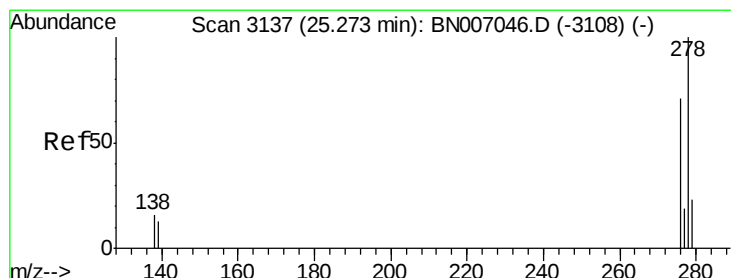
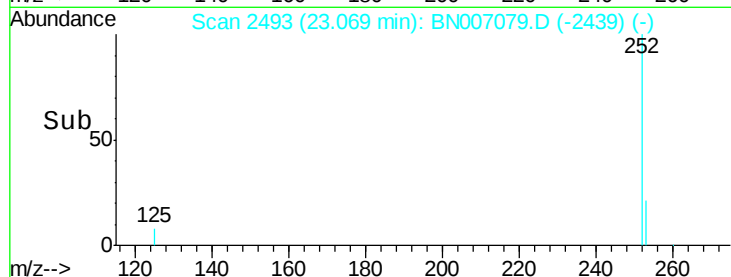
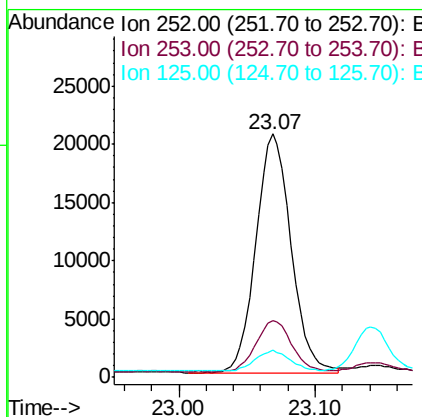
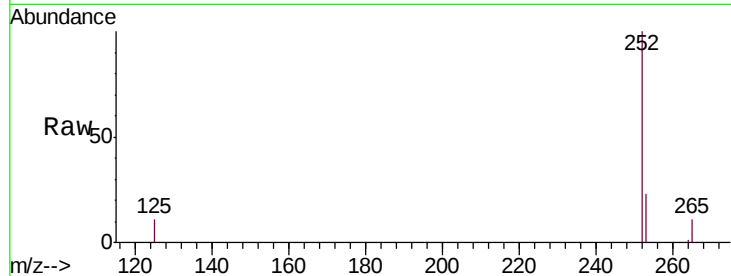
ClientSampleId :

PST-006-SW125-073019-1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 36840 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.3  | 18.5  | 27.7  |
| 125       | 11.1  | 8.2   | 12.4  |

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#36

Dibenzo(a,h)anthracene

Concen: 0.204 ng

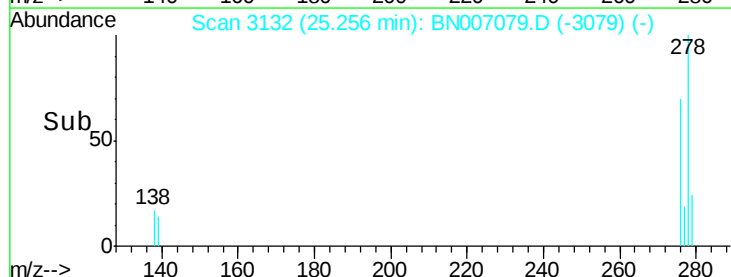
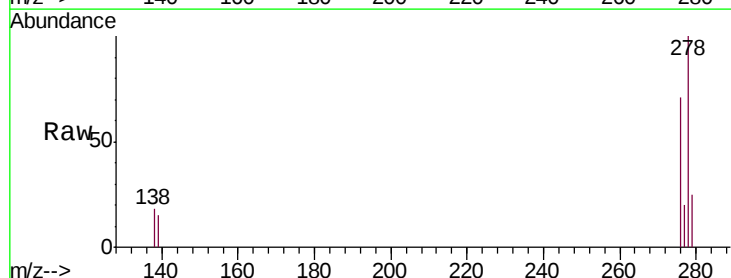
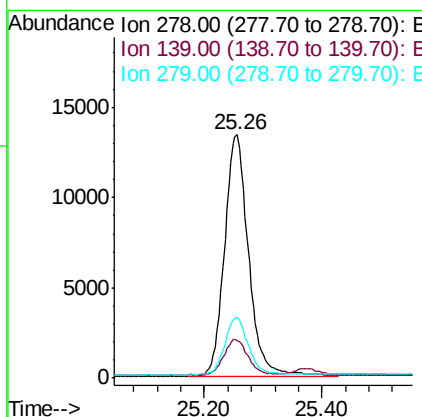
RT: 25.26 min Scan# 3132

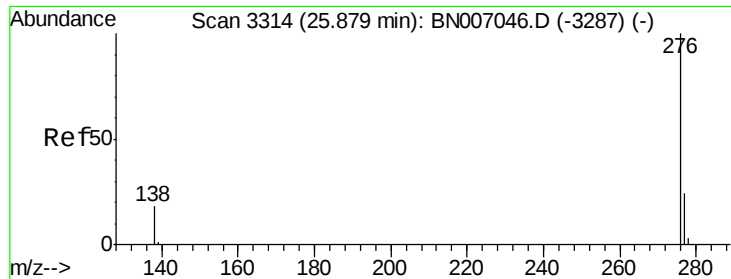
Delta R.T. -0.02 min

Lab File: BN007079.D

Acq: 11 Aug 2019 10:25

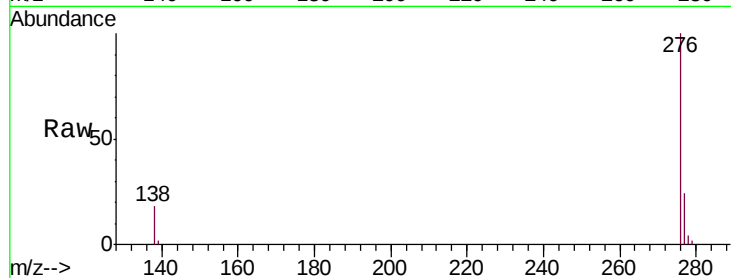
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 37802 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 15.2  | 11.3  | 16.9  |
| 279       | 24.8  | 19.3  | 28.9  |





#37  
 Benzo(g,h,i)perylene  
 Concen: 0.202 ng  
 RT: 25.86 min Scan# 3309  
 Delta R.T. -0.02 min  
 Lab File: BN007079.D  
 Acq: 11 Aug 2019 10:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-006-SW125-073019-1MSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 38436 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.3  | 19.8  | 29.8  |
| 138       | 18.3  | 14.6  | 22.0  |

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