

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\  
 Data File : BF117661.D  
 Acq On : 31 Oct 2019 16:38  
 Operator : JU  
 Sample : K5542-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 200-06-(0-1.2)

Manual Integrations  
 APPROVED

Quant Time: Nov 01 01:50:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 35320    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 147117   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 73178    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 114400   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.90 | 240  | 66221    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.34 | 264  | 71050    | 20.00 | ng    | 0.02     |

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#### System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.36  | 112 | 206749 | 87.08 | ng | 0.00  |
| 7) Phenol-d6             | 6.39  | 99  | 295997 | 92.83 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.30  | 82  | 178859 | 60.02 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 50288  | 79.42 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.08  | 172 | 279193 | 53.76 | ng | -0.01 |
| 79) Terphenyl-d14        | 12.83 | 244 | 199165 | 49.06 | ng | 0.00  |

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#### Target Compounds

|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 10) Phenol                 | 6.40  | 94  | 7990    | 2.455  | ng | # 63   |
| 50) Dimethylphthalate      | 9.48  | 163 | 46915   | 8.993  | ng | 100    |
| 52) Acenaphthene           | 9.79  | 154 | 21653   | 5.260  | ng | 95     |
| 55) Dibenzofuran           | 9.97  | 168 | 13139   | 2.203  | ng | # 96   |
| 58) Fluorene               | 10.32 | 166 | 24570   | 4.982  | ng | 97     |
| 71) Phenanthrene           | 11.27 | 178 | 289635  | 43.601 | ng | 98     |
| 72) Anthracene             | 11.33 | 178 | 78104   | 11.459 | ng | 97     |
| 73) Carbazole              | 11.50 | 167 | 21098   | 3.387  | ng | # 93   |
| 75) Fluoranthene           | 12.47 | 202 | 283729  | 42.666 | ng | 98     |
| 78) Pyrene                 | 12.70 | 202 | 261095  | 45.903 | ng | 99     |
| 80) Butylbenzylphthalate   | 13.30 | 149 | 5912    | 2.089  | ng | 91     |
| 81) Benzo(a)anthracene     | 13.89 | 228 | 113781  | 25.472 | ng | 97     |
| 83) Chrysene               | 13.92 | 228 | 99849   | 22.808 | ng | 99     |
| 86) Indeno(1,2,3-cd)pyrene | 16.76 | 276 | 45952   | 14.059 | ng | 93     |
| 88) Benzo(b)fluoranthene   | 14.93 | 252 | 109014m | 25.983 | ng |        |
| 89) Benzo(k)fluoranthene   | 14.95 | 252 | 35877m  | 8.343  | ng |        |
| 90) Benzo(a)pyrene         | 15.28 | 252 | 81002   | 21.234 | ng | # 96   |
| 91) Dibenzo(a,h)anthracene | 16.76 | 278 | 12427m  | 3.768  | ng |        |
| 92) Benzo(a,h,i)perylene   | 17.19 | 276 | 40870   | 13.096 | ng | 95     |

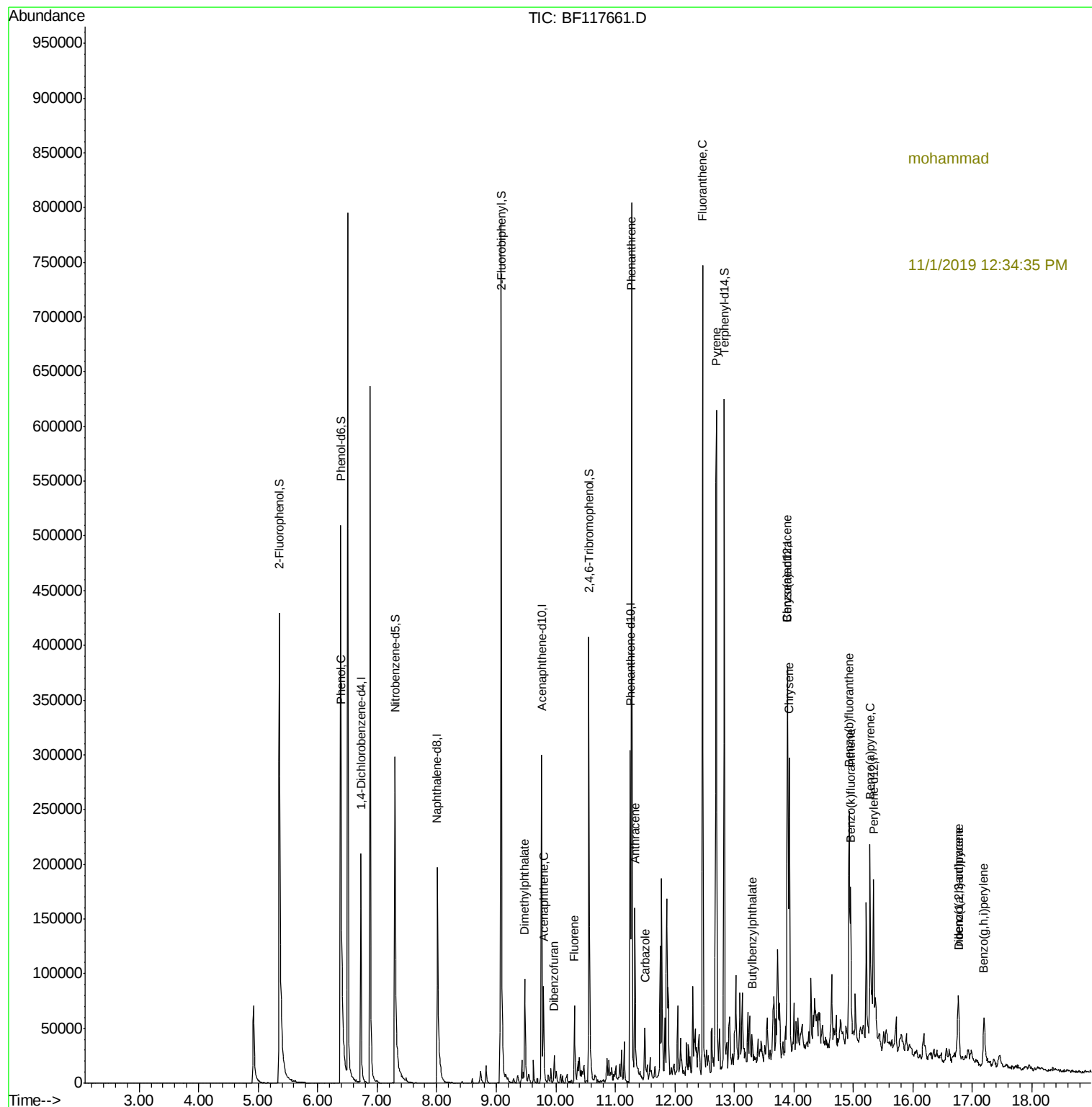
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\  
Data File : BF117661.D  
Acq On : 31 Oct 2019 16:38  
Operator : JU  
Sample : K5542-05  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

Manual Integrations  
APPROVED

Quant Time: Nov 01 01:50:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 18:53:31 2019  
Response via : Initial Calibration





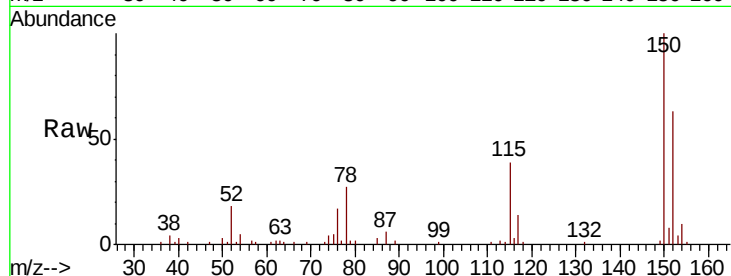
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 126.8 | 190.2 |
| 115     | 61.5  | 51.6  | 77.4  |

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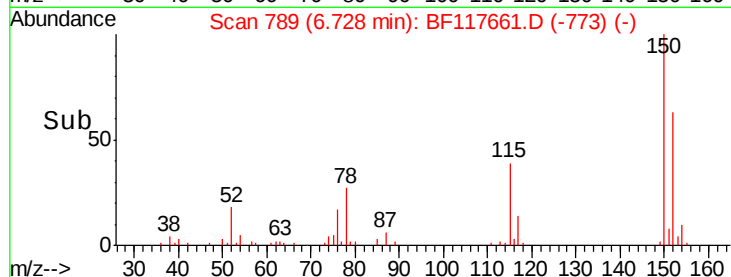
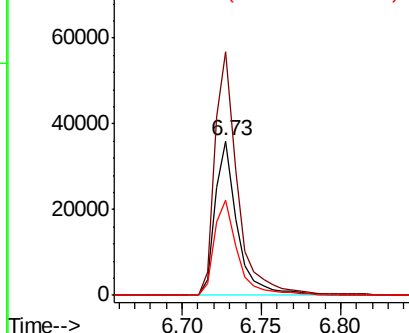


Abundance

Ion 152.00 (151.70 to 152.70): E

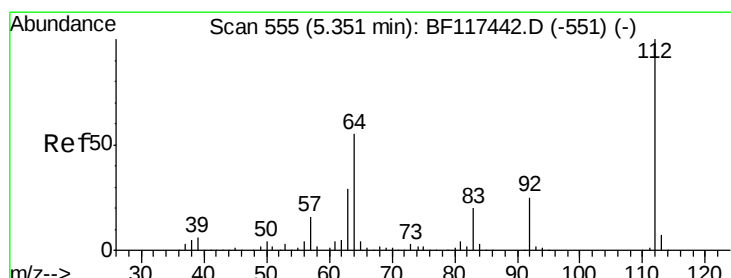
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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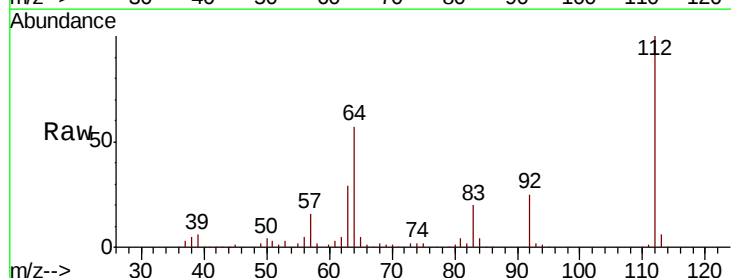
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#5

2-Fluorophenol  
Concen: 87.084 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.8  | 44.1  | 66.1  |
| 63      | 29.5  | 23.4  | 35.2  |

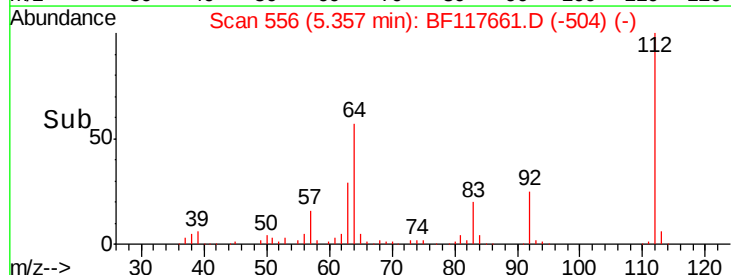
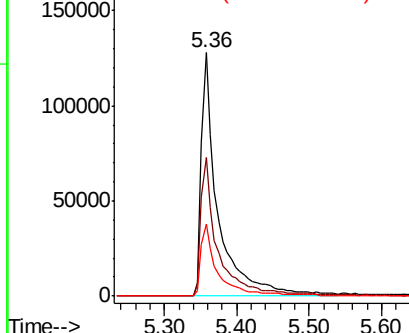


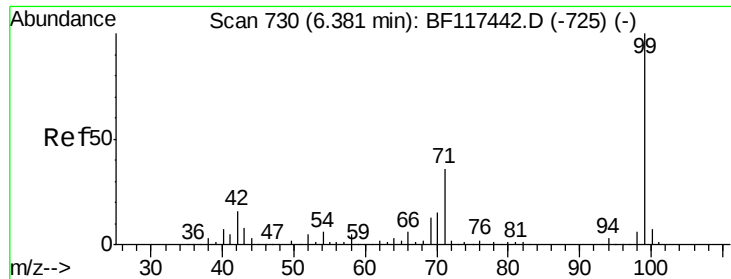
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.826 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117661.D

Acq: 31 Oct 2019 16:38

Instrument :

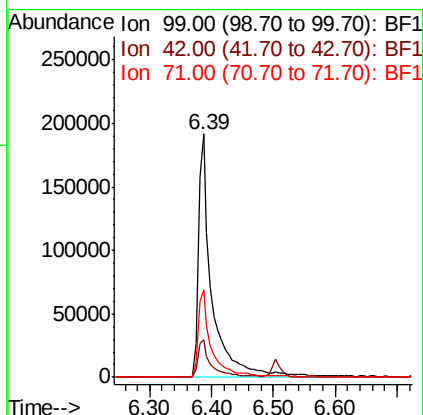
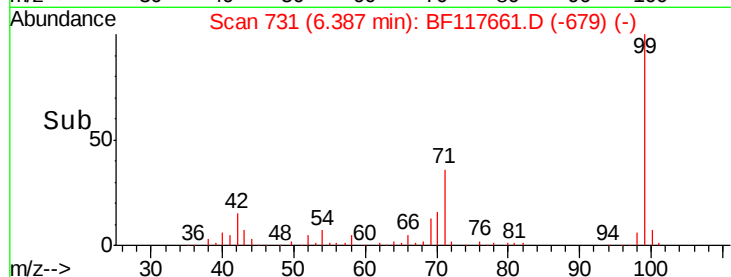
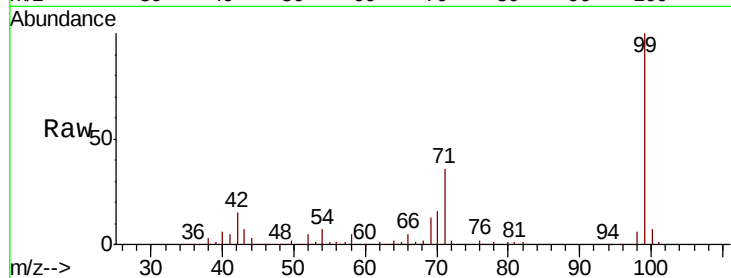
BNA\_F

ClientSampleId :

200-06-(0-1.2)

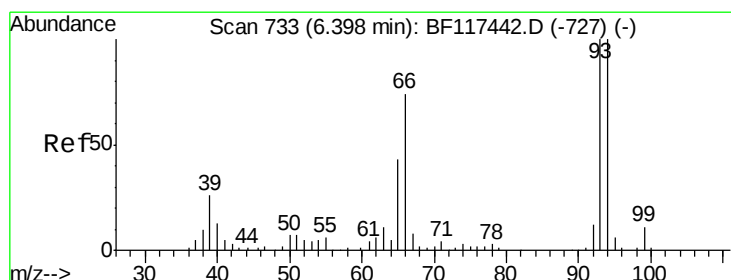
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 295997 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.2  | 12.8  | 19.2   |
| 71        | 36.1  | 28.6  | 43.0   |

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#10

Phenol

Concen: 2.455 ng

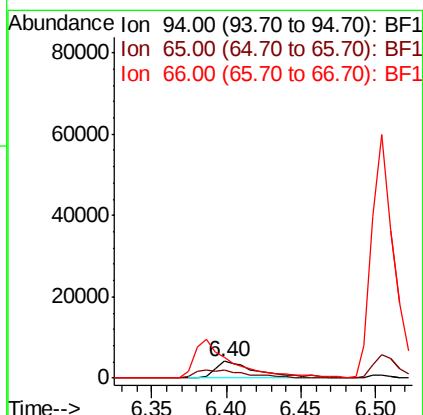
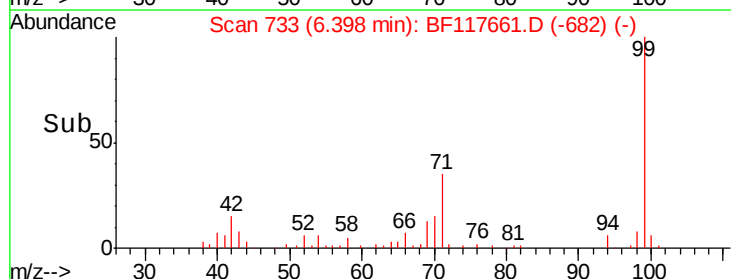
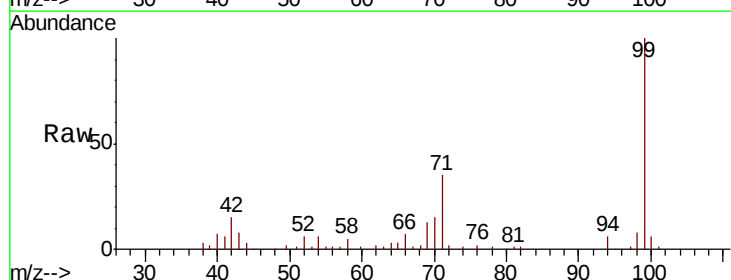
RT: 6.40 min Scan# 733

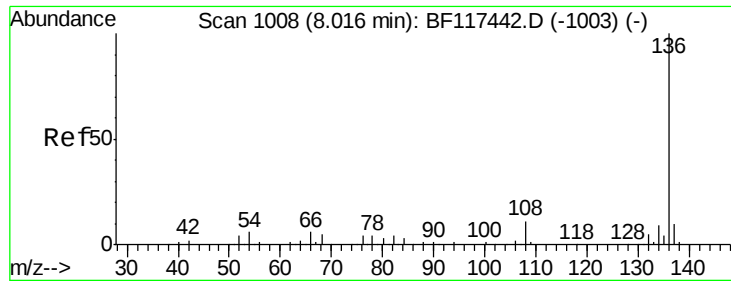
Delta R.T. -0.00 min

Lab File: BF117661.D

Acq: 31 Oct 2019 16:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 7990  |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 45.8  | 23.4  | 63.4  |
| 66        | 122.6 | 54.7  | 94.7# |



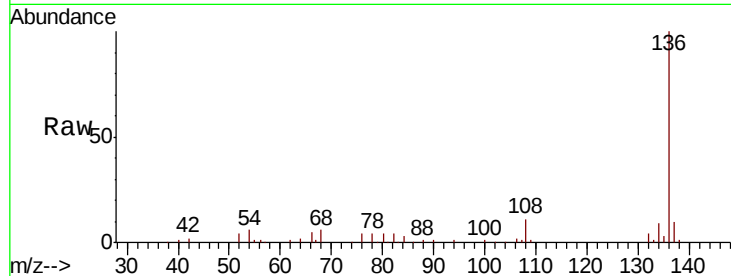


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

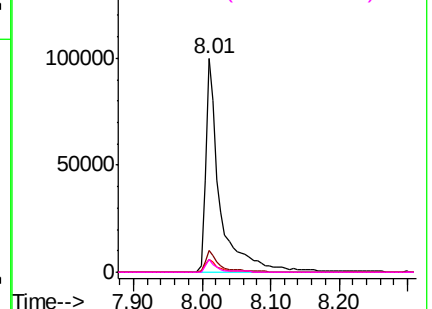
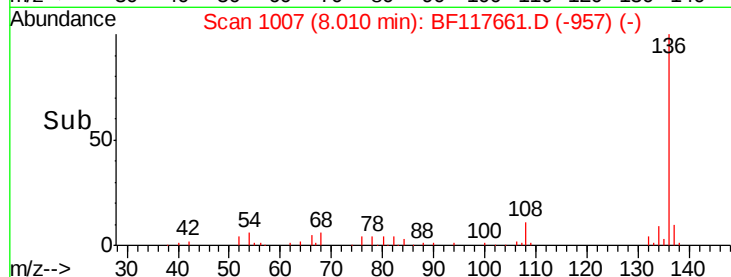
Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.3  | 8.2  | 12.4  |       |
| 54      | 6.2   | 4.5  | 6.7   |       |
| 68      | 5.7   | 4.3  | 6.5   |       |

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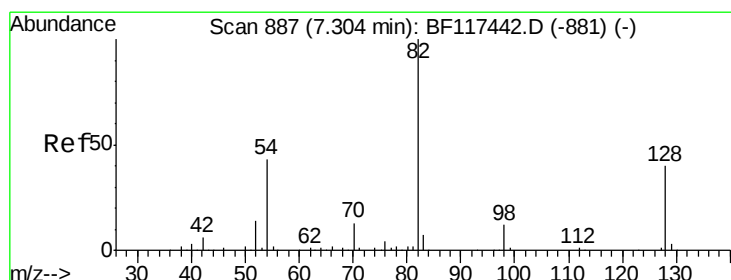


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1



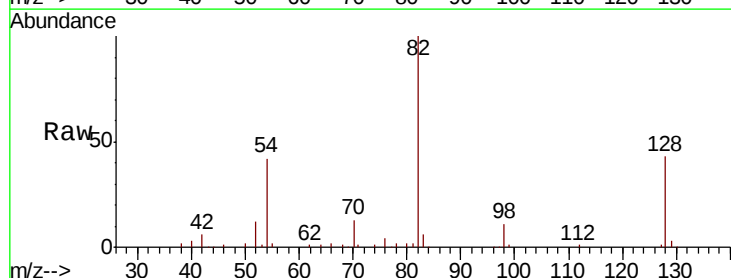
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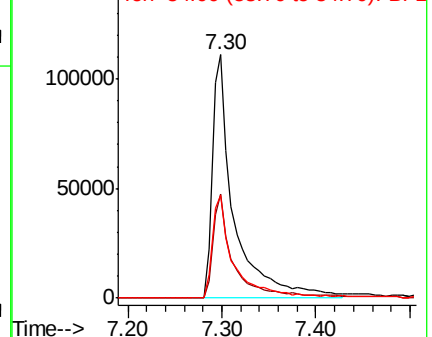
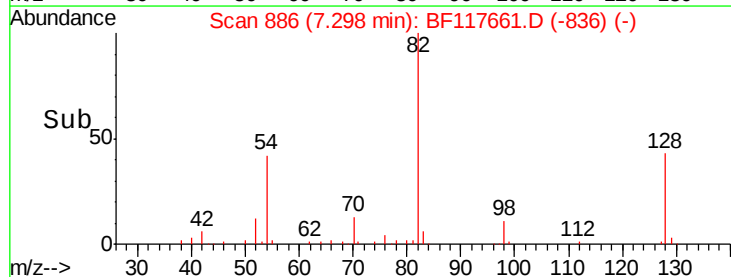


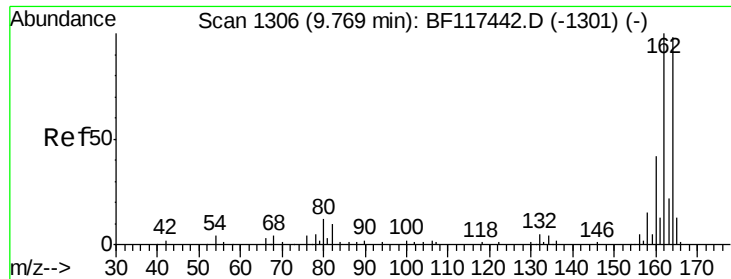
#23  
Nitrobenzene-d5  
Concen: 60.019 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 42.7  | 32.2 | 48.2  |       |
| 54      | 42.0  | 34.2 | 51.2  |       |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1



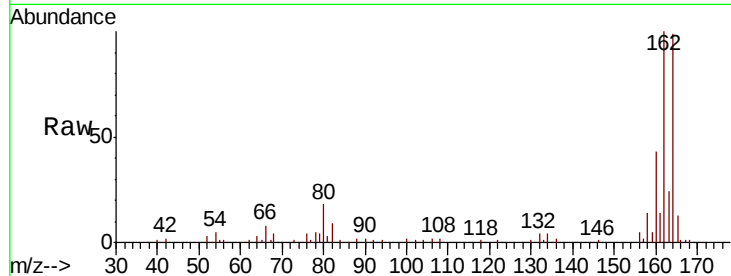


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

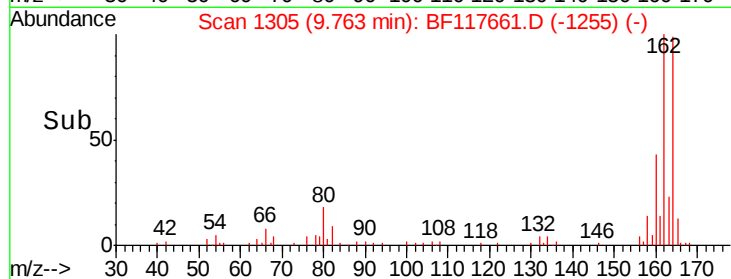
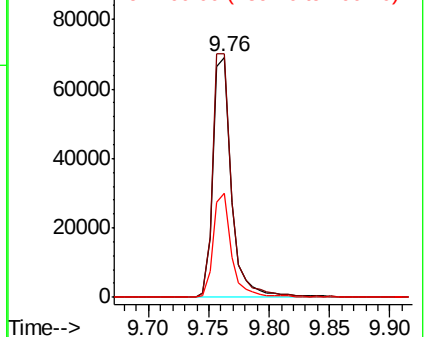
Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 81.8  | 122.6 |
| 160     | 43.1  | 34.4  | 51.6  |

Manual Integrations  
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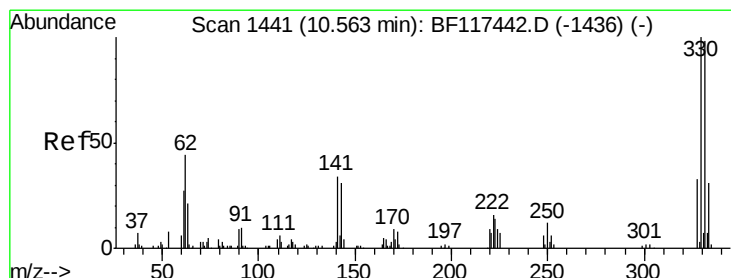


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



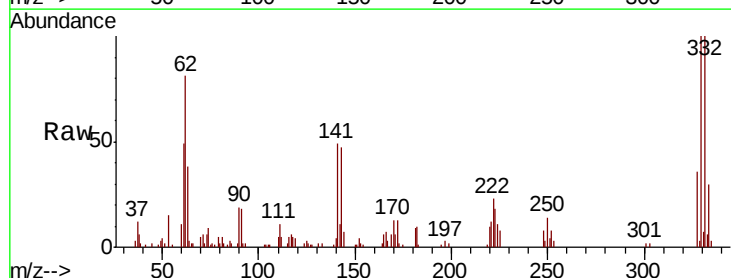
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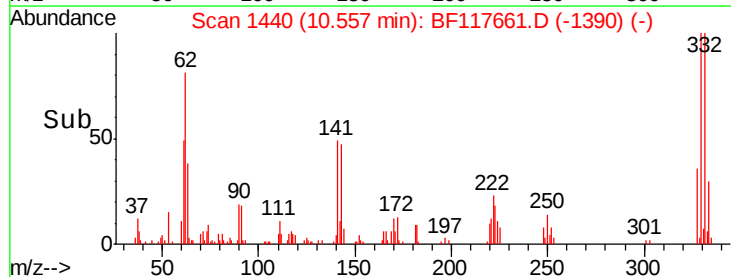
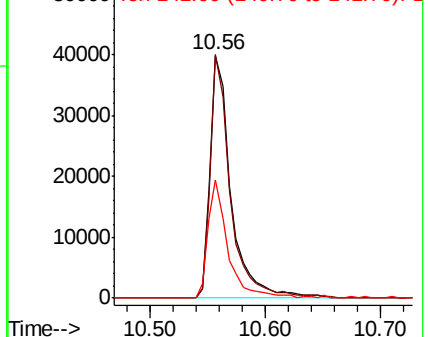


#42  
2,4,6-Tribromophenol  
Concen: 79.422 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 78.5  | 117.7 |
| 141     | 46.0  | 37.0  | 55.6  |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



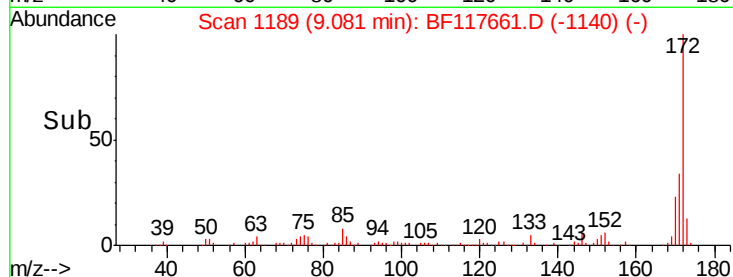
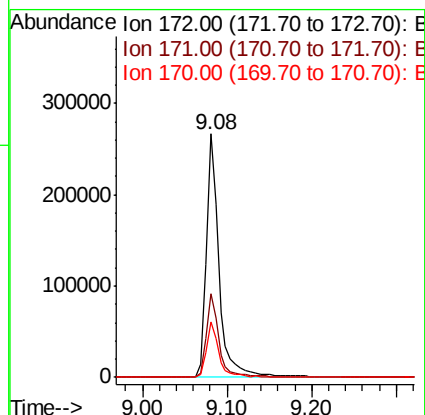
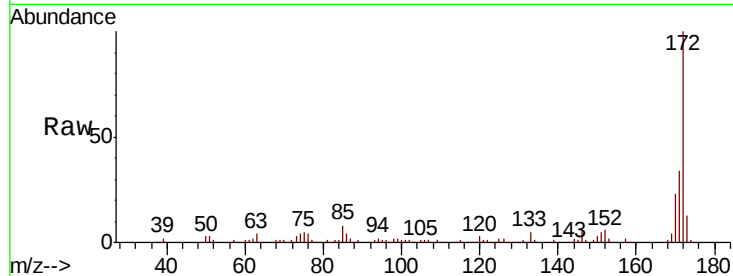


#45  
2-Fluorobiphenyl  
Concen: 53.757 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

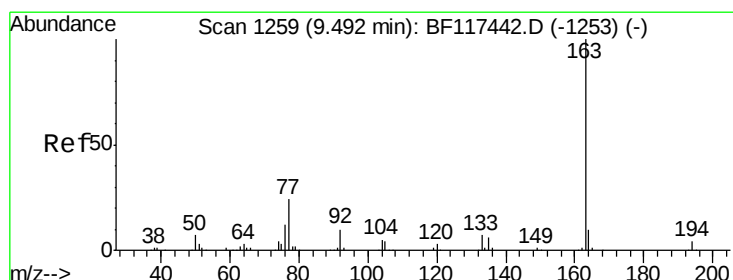
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 279193 |       |       |
| 171     | 34.1  |        | 27.5  | 41.3  |
| 170     | 22.9  |        | 18.6  | 27.8  |

Manual Integrations  
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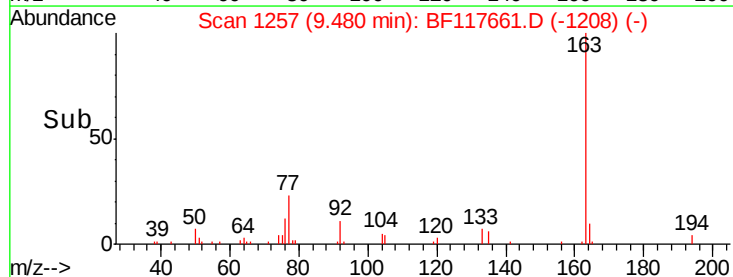
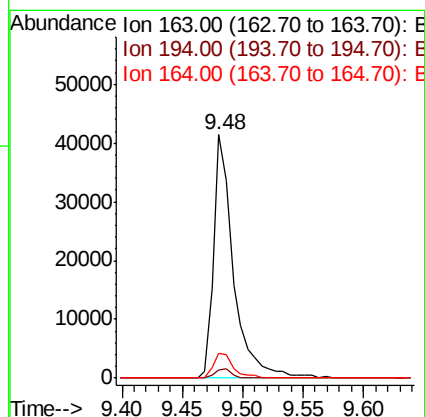
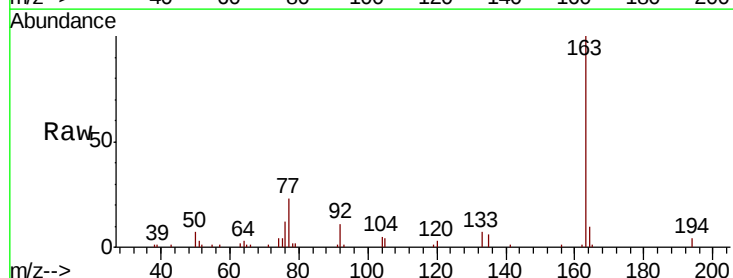
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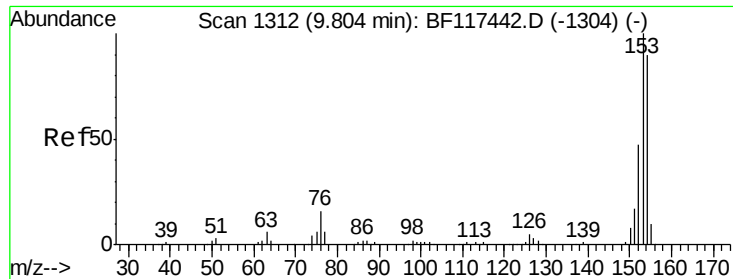
11/1/2019 12:34:35 PM



#50  
Dimethylphthalate  
Concen: 8.993 ng  
RT: 9.48 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 46915 |       |       |
| 194     | 3.6   |       | 2.9   | 4.3   |
| 164     | 10.3  |       | 8.2   | 12.2  |



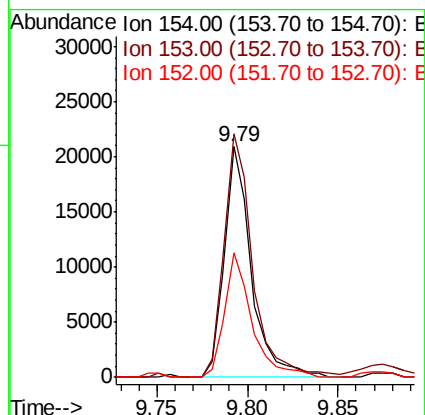
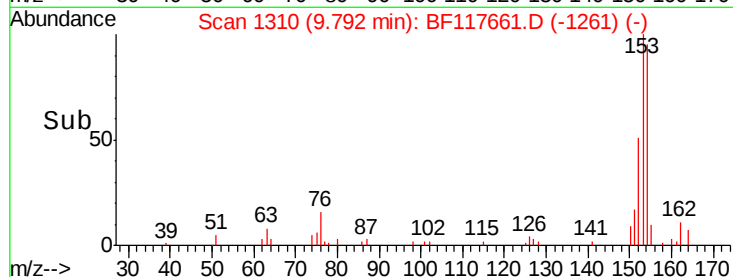
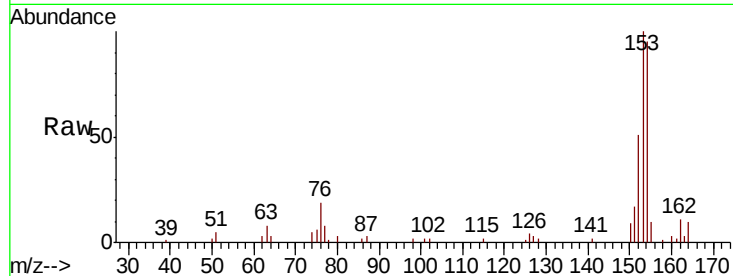


#52  
Acenaphthene  
Concen: 5.260 ng  
RT: 9.79 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

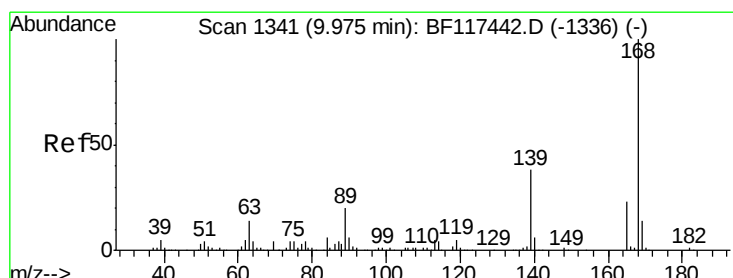
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 105.7 | 89.2  | 133.8 |
| 152     | 54.0  | 41.8  | 62.6  |

Manual Integrations  
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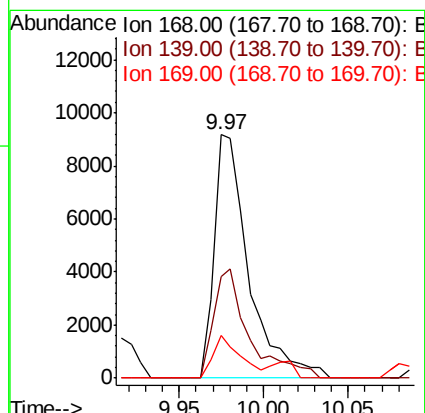
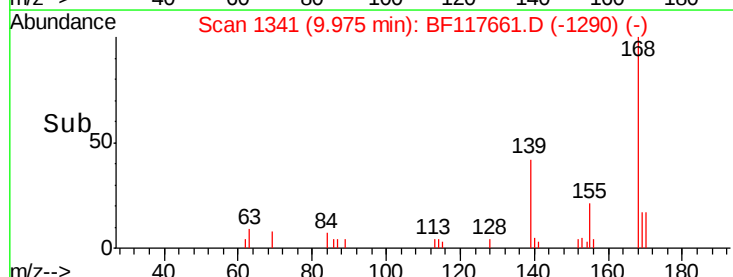
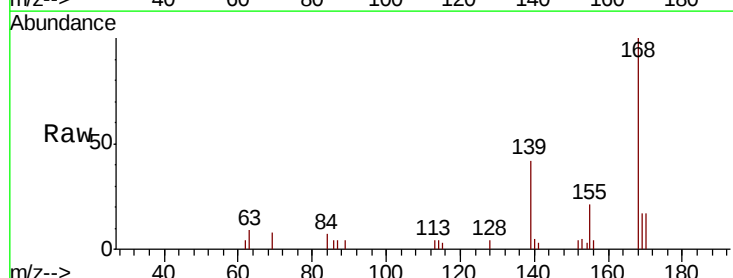
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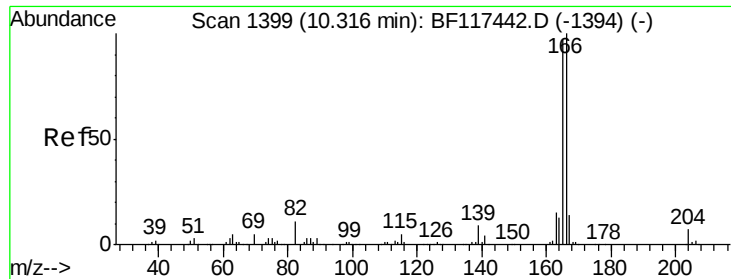
11/1/2019 12:34:35 PM



#55  
Dibenzofuran  
Concen: 2.203 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.00 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.5  | 31.8  | 47.6  |
| 169     | 17.4  | 11.2  | 16.8# |



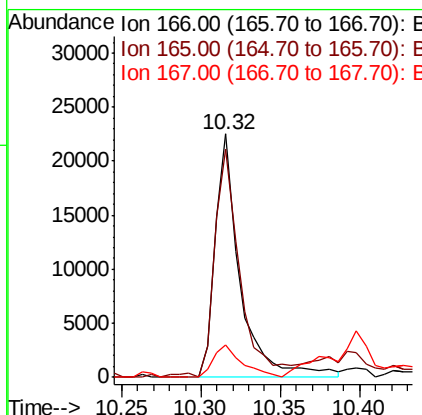
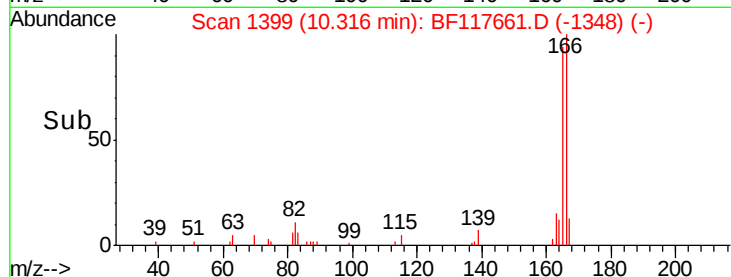
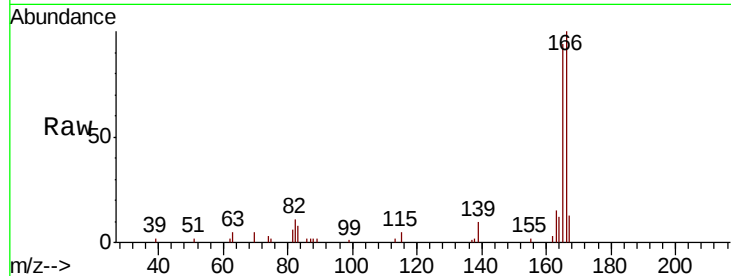


#58  
 Fluorene  
 Concen: 4.982 ng  
 RT: 10.32 min Scan# 1399  
 Delta R.T. -0.00 min  
 Lab File: BF117661.D  
 Acq: 31 Oct 2019 16:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 200-06-(0-1.2)

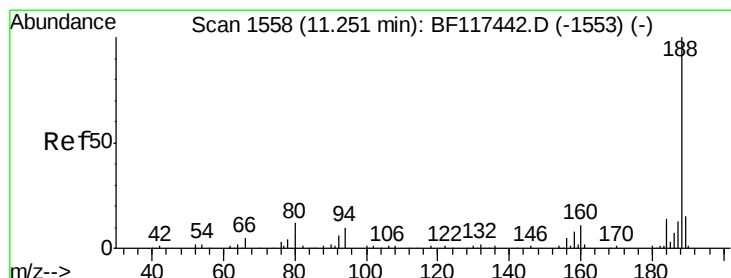
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 166     | 100  |       |       |       |
| 165     | 93.5 | 77.6  | 116.4 |       |
| 167     | 13.1 | 11.0  | 16.4  |       |

Manual Integrations  
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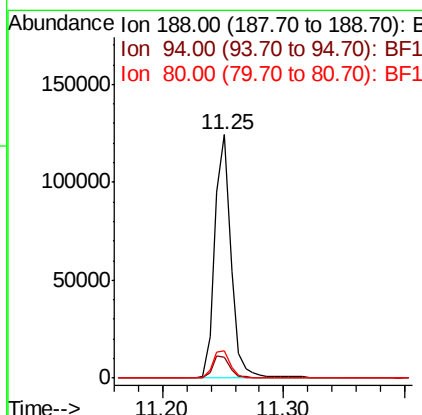
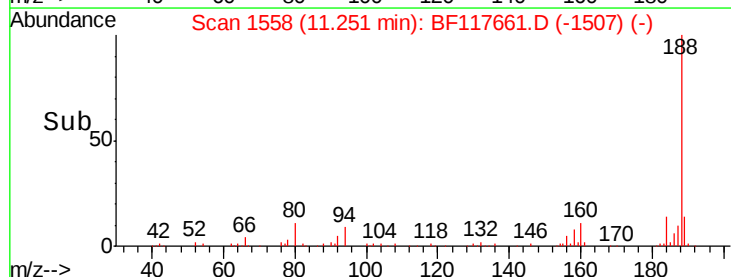
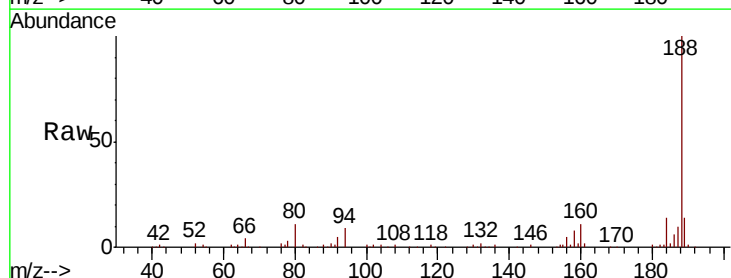
mohammad

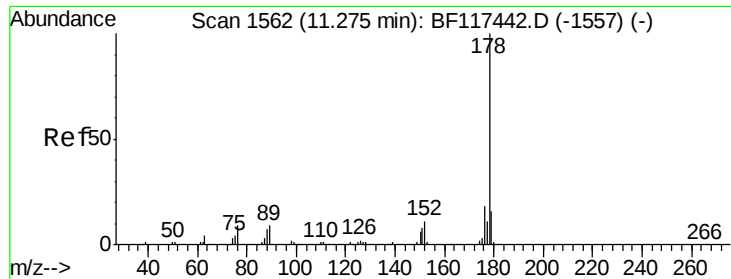
11/1/2019 12:34:35 PM



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.25 min Scan# 1558  
 Delta R.T. -0.00 min  
 Lab File: BF117661.D  
 Acq: 31 Oct 2019 16:38

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 8.7  | 8.0   | 12.0  |       |
| 80      | 11.0 | 9.5   | 14.3  |       |



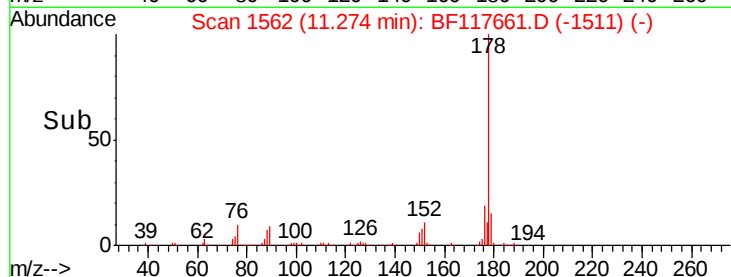
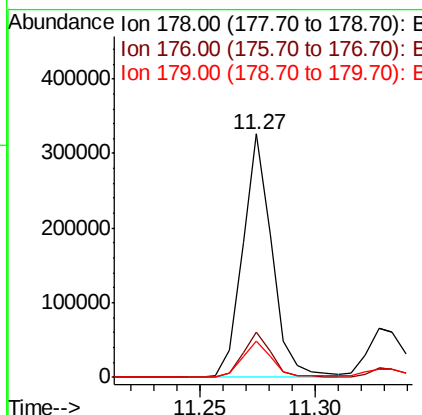
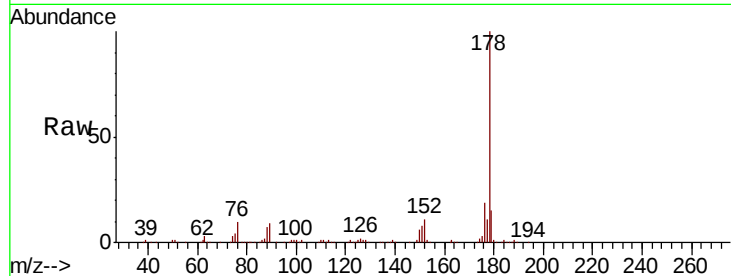


#71  
Phenanthrene  
Concen: 43.601 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

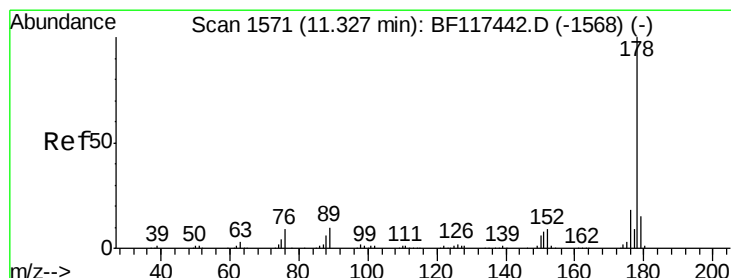
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 14.6  | 22.0  |
| 179     | 14.7  | 12.6  | 19.0  |

Manual Integrations  
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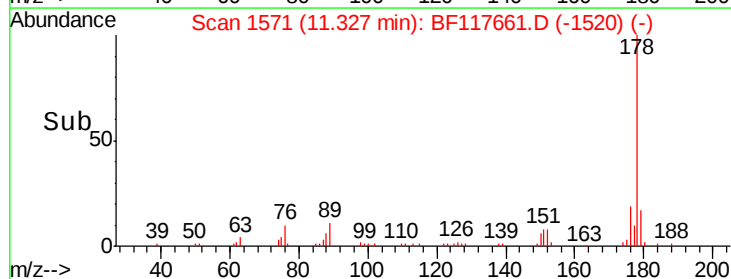
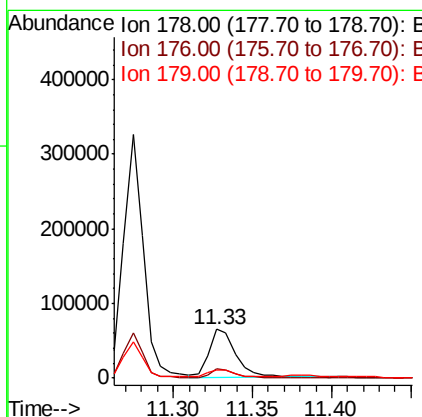
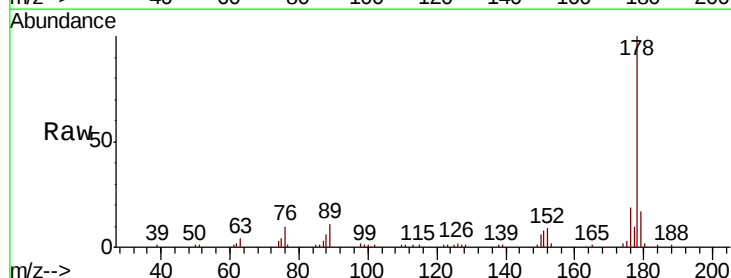
mohammad

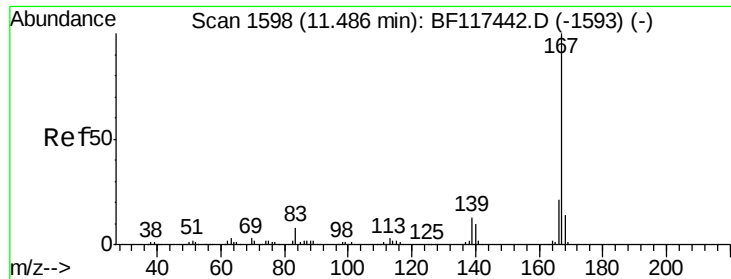
11/1/2019 12:34:35 PM



#72  
Anthracene  
Concen: 11.459 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.00 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 14.7  | 22.1  |
| 179     | 17.3  | 12.2  | 18.2  |



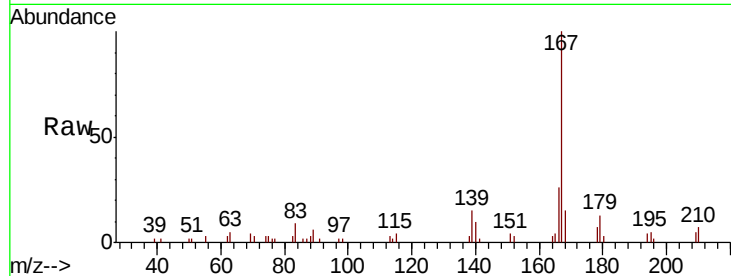


#73  
 Carbazole  
 Concen: 3.387 ng  
 RT: 11.50 min Scan# 1600  
 Delta R.T. 0.01 min  
 Lab File: BF117661.D  
 Acq: 31 Oct 2019 16:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 25.6  | 17.0  | 25.6# |
| 139     | 15.0  | 10.6  | 16.0  |

Manual Integrations  
 APPROVED



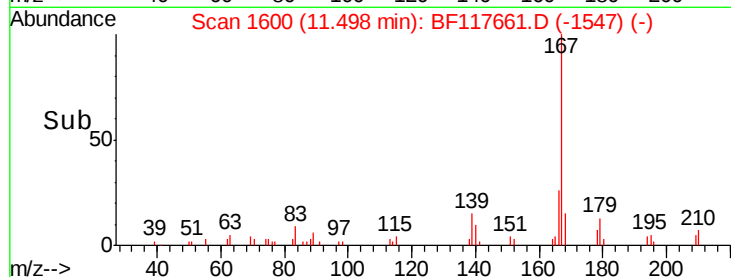
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

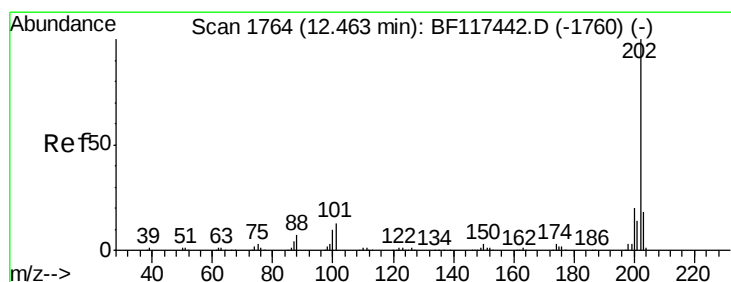
Ion 139.00 (138.70 to 139.70): E

Time-->



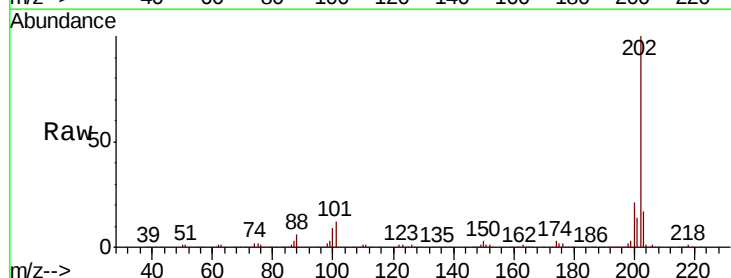
mohammad

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#75  
 Fluoranthene  
 Concen: 42.666 ng  
 RT: 12.47 min Scan# 1765  
 Delta R.T. 0.01 min  
 Lab File: BF117661.D  
 Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.5  | 0.0   | 32.7  |
| 203     | 17.0  | 0.0   | 37.6  |



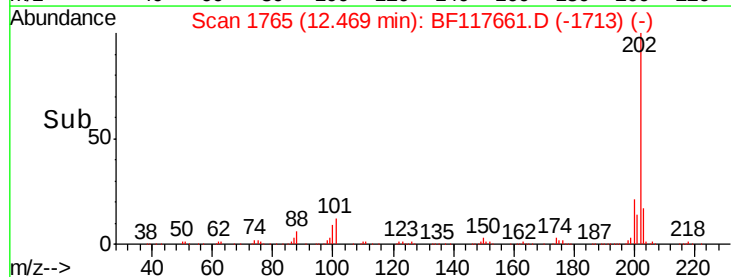
Abundance

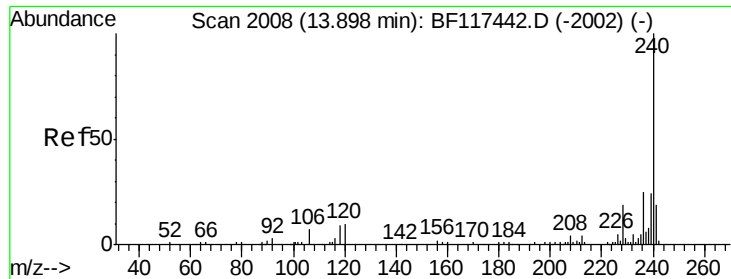
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



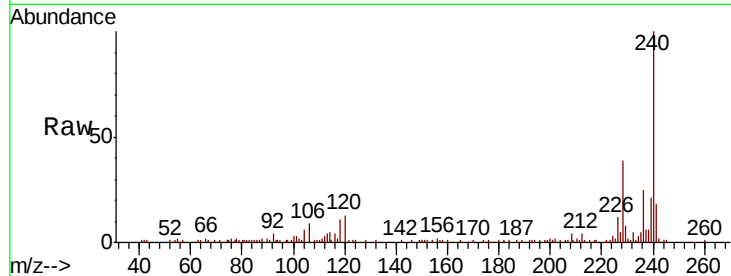


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 8.4   | 12.6  |
| 236     | 25.0  | 20.0  | 30.0  |

Manual Integrations  
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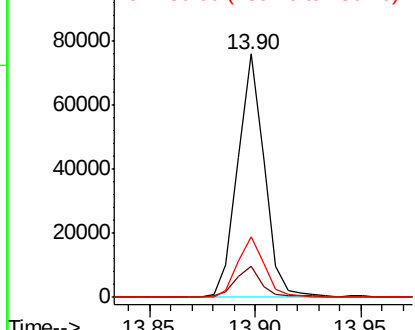


Abundance

Ion 240.00 (239.70 to 240.70): E

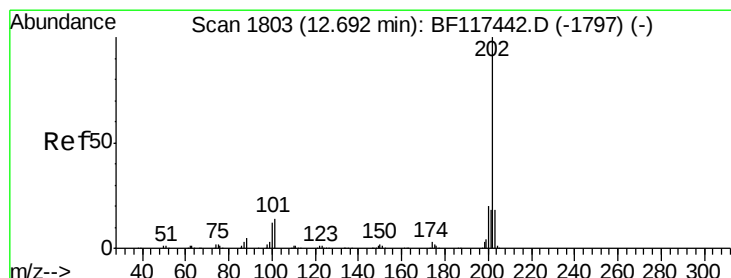
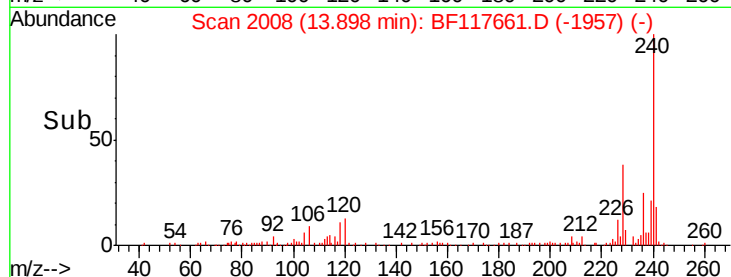
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



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#78  
Pyrene  
Concen: 45.903 ng  
RT: 12.70 min Scan# 1804  
Delta R.T. 0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

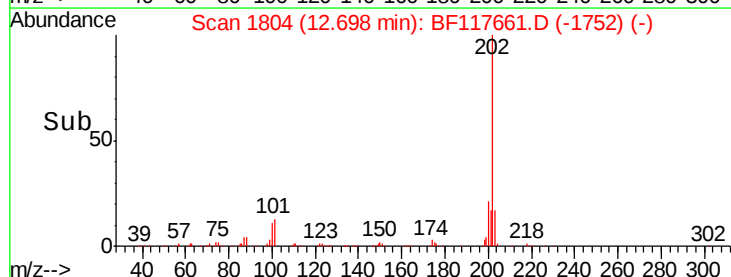
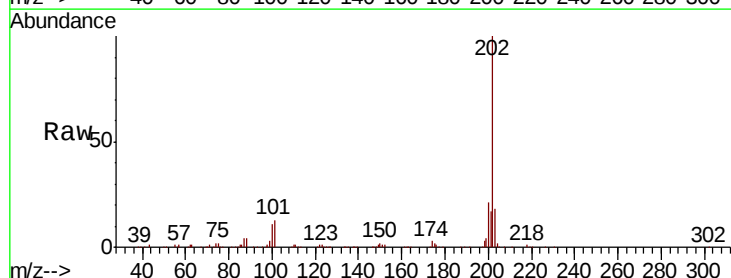
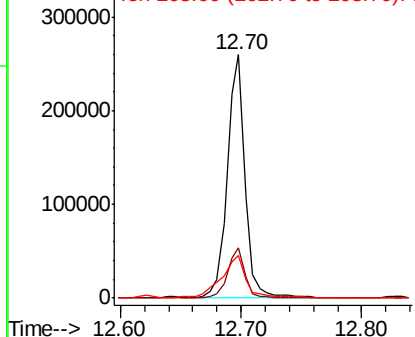
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 16.2  | 24.2  |
| 203     | 17.6  | 14.0  | 21.0  |

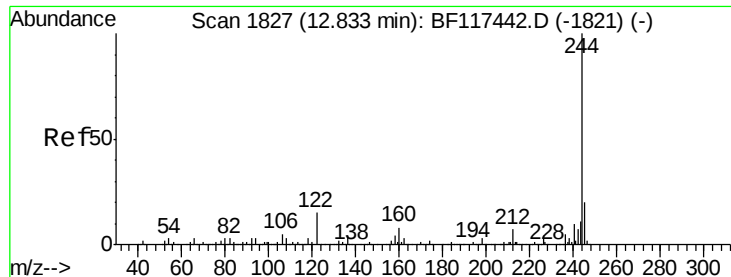
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



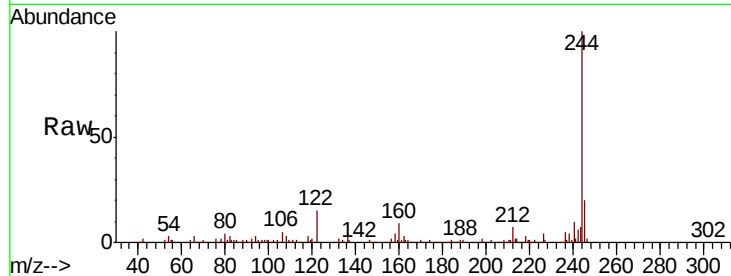


#79  
Terphenyl-d14  
Concen: 49.057 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

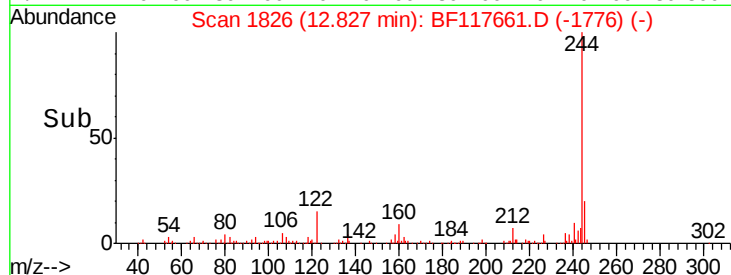
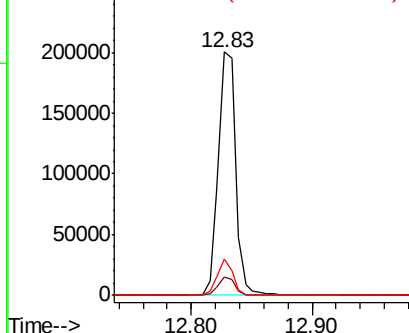
Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.8   | 8.6   |
| 122     | 14.7  | 11.8  | 17.8  |

Manual Integrations  
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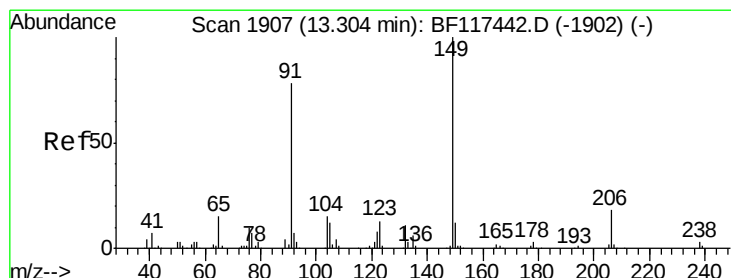


Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



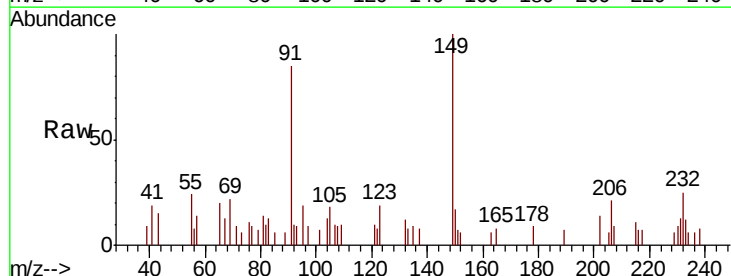
mohammad

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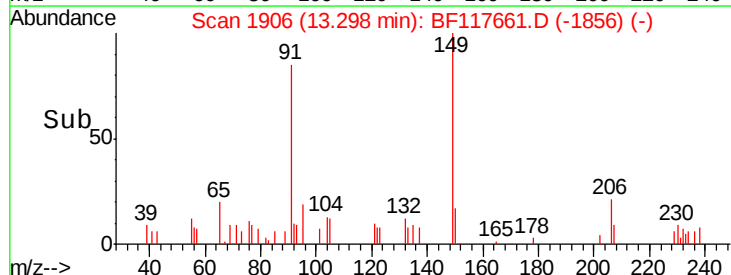
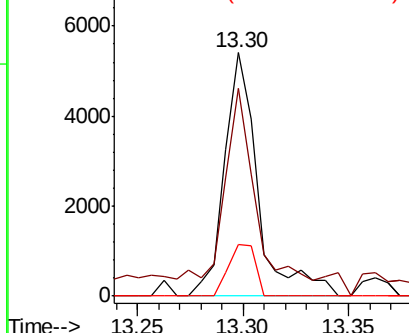


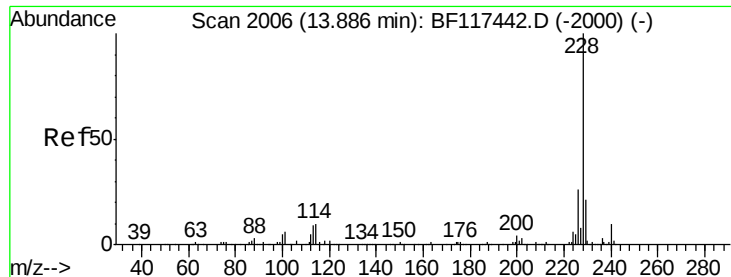
#80  
Butylbenzylphthalate  
Concen: 2.089 ng  
RT: 13.30 min Scan# 1906  
Delta R.T. -0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 85.4  | 62.1  | 93.1  |
| 206     | 21.2  | 14.3  | 21.5  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF1  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 25.472 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117661.D

Acq: 31 Oct 2019 16:38

Instrument :

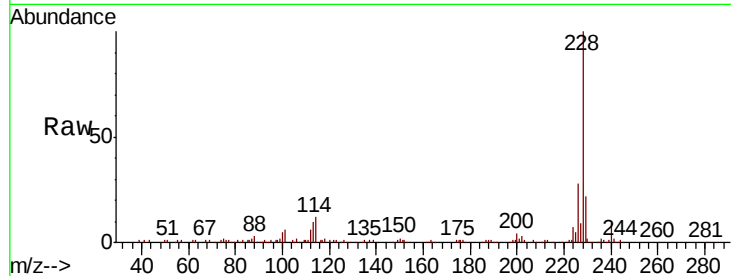
BNA\_F

ClientSampleId :

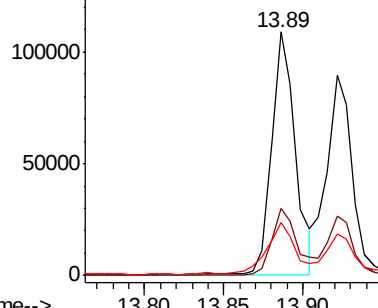
200-06-(0-1.2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 113781 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.8  | 21.0  | 31.4   |
| 229       | 21.7  | 16.4  | 24.6   |

Manual Integrations  
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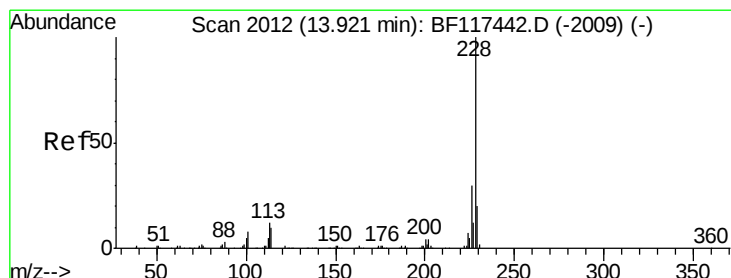
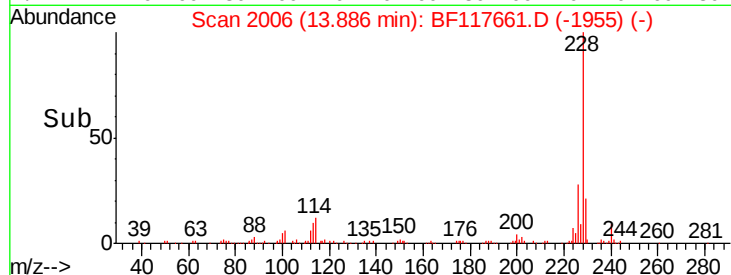


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



mohammad

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#83

Chrysene

Concen: 22.808 ng

RT: 13.92 min Scan# 2012

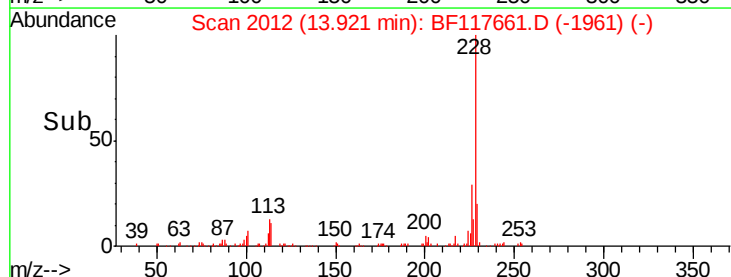
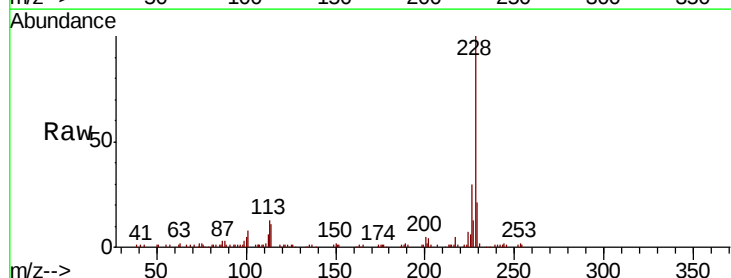
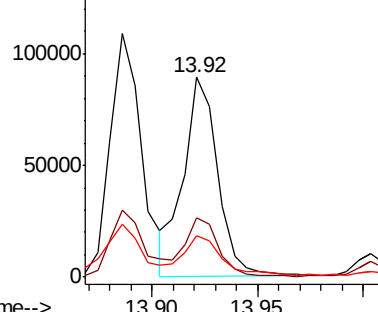
Delta R.T. -0.00 min

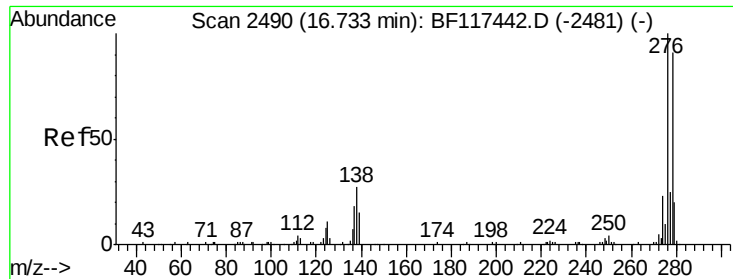
Lab File: BF117661.D

Acq: 31 Oct 2019 16:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 99849 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.8  | 23.9  | 35.9  |
| 229       | 20.8  | 15.8  | 23.6  |

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



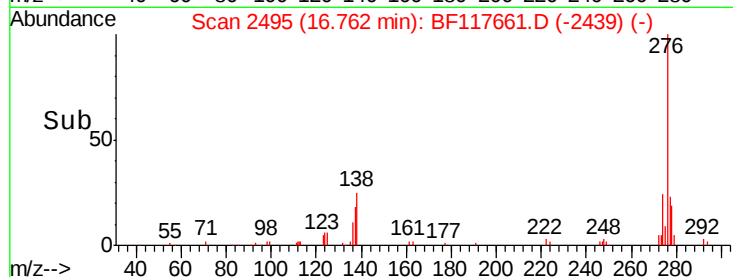
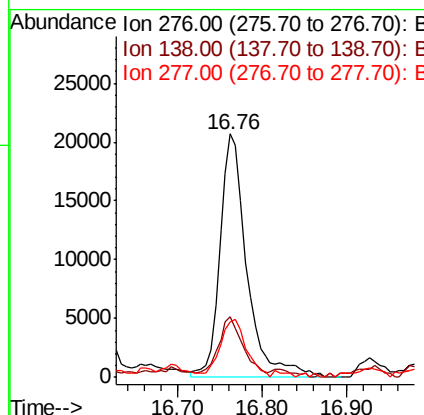
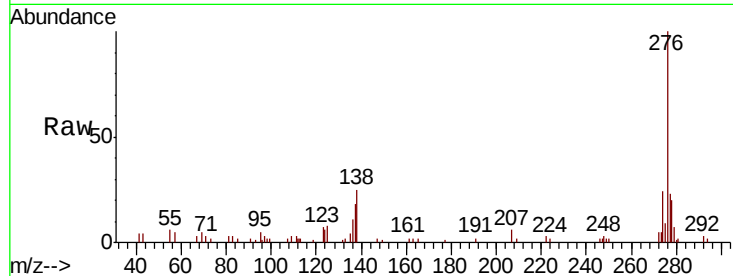


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 14.059 ng  
RT: 16.76 min Scan# 2495  
Delta R.T. 0.03 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

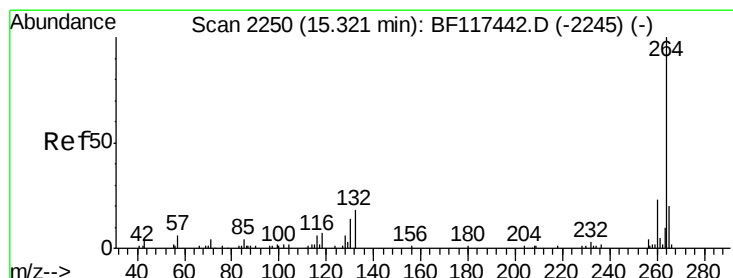
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.9  | 21.8  | 32.8  |
| 277     | 23.4  | 20.0  | 30.0  |

Manual Integrations  
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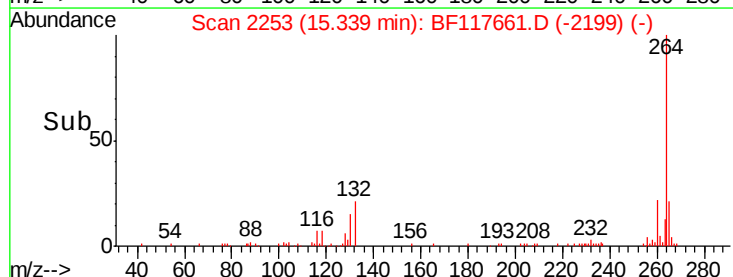
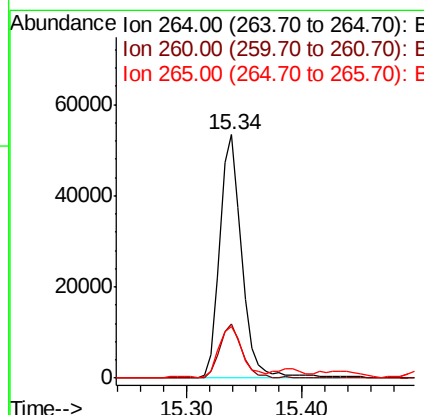
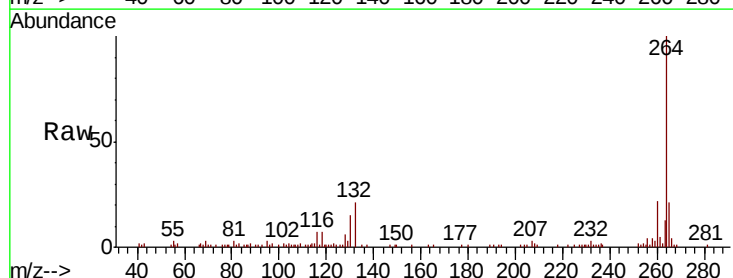
mohammad

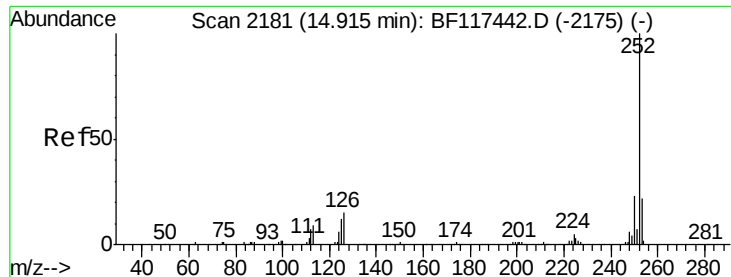
11/1/2019 12:34:35 PM



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.34 min Scan# 2253  
Delta R.T. 0.02 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 18.4  | 27.6  |
| 265     | 21.3  | 16.1  | 24.1  |



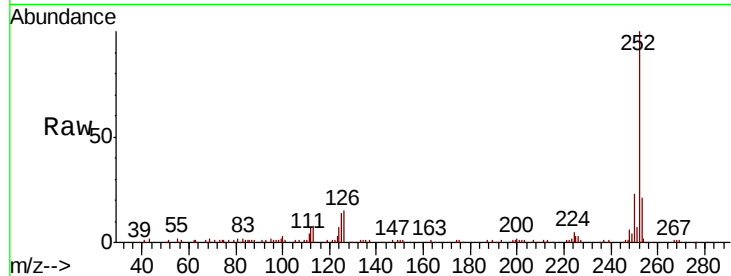


#88  
Benzo(b)fluoranthene  
Concen: 25.983 ng m  
RT: 14.93 min Scan# 2183  
Delta R.T. 0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 17.8  | 26.6  |
| 125     | 13.7  | 9.9   | 14.9  |

Manual Integrations  
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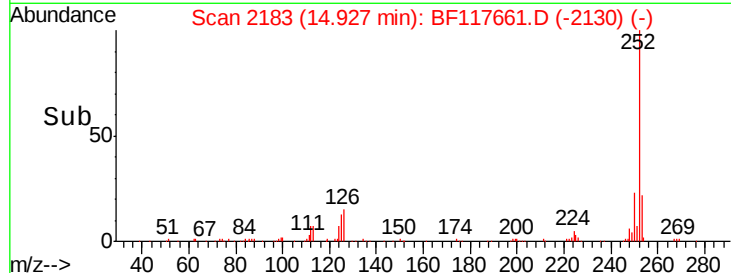
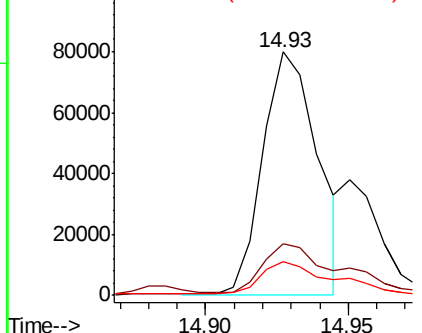


Abundance

Ion 252.00 (251.70 to 252.70): E

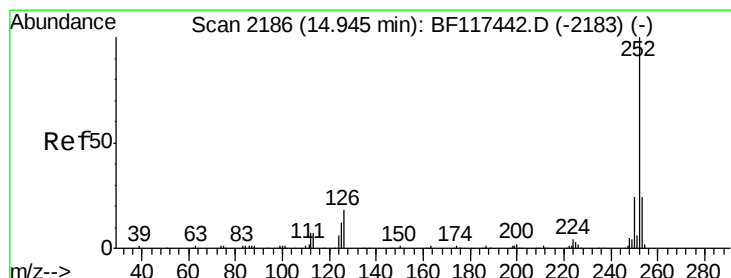
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



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#89  
Benzo(k)fluoranthene  
Concen: 8.343 ng m  
RT: 14.95 min Scan# 2187  
Delta R.T. 0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

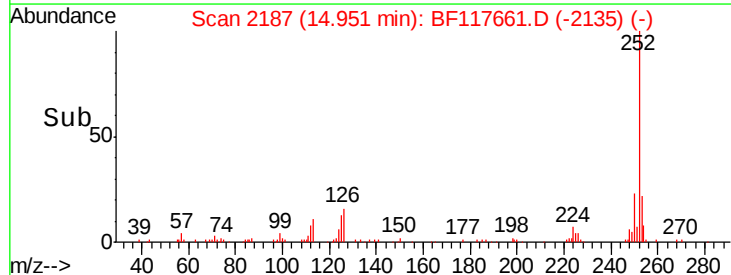
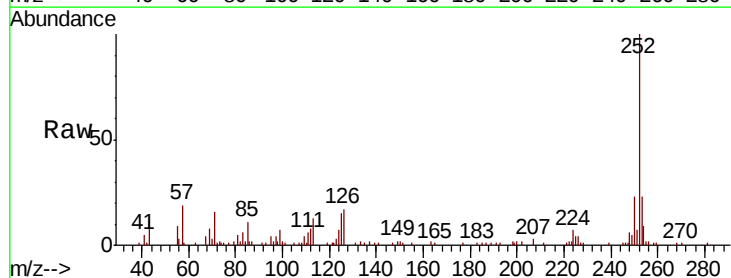
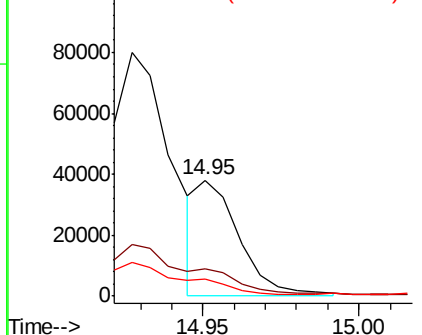
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.0  | 27.0  |
| 125     | 15.1  | 8.9   | 13.3  |

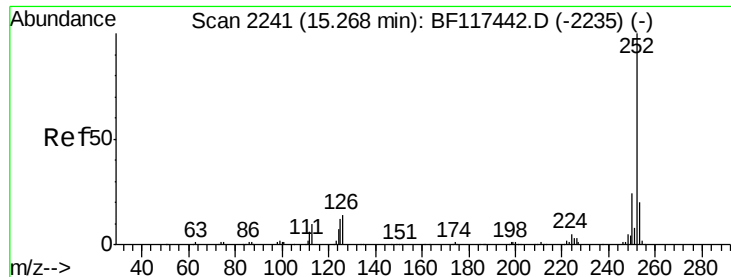
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



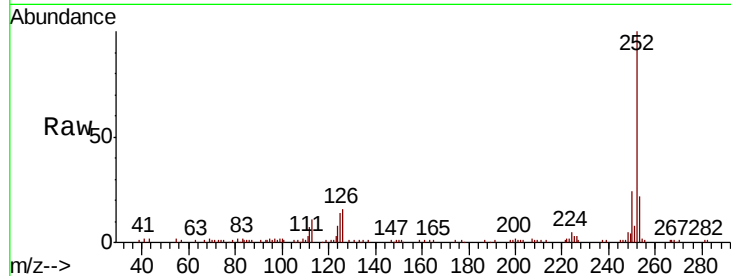


#90  
Benzo(a)pyrene  
Concen: 21.234 ng  
RT: 15.28 min Scan# 2243  
Delta R.T. 0.01 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

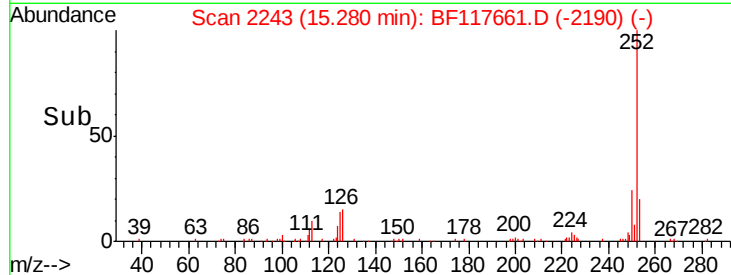
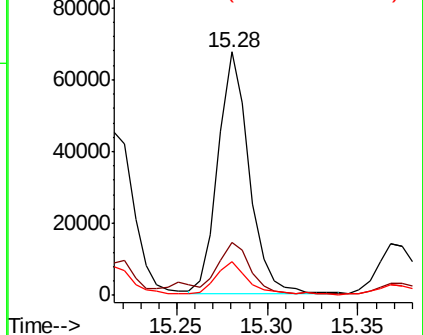
Instrument :  
BNA\_F  
ClientSampleId :  
200-06-(0-1.2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 16.3  | 24.5  |
| 125     | 14.0  | 9.2   | 13.8  |

Manual Integrations  
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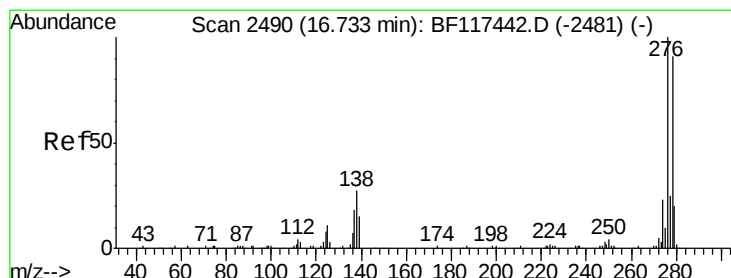


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



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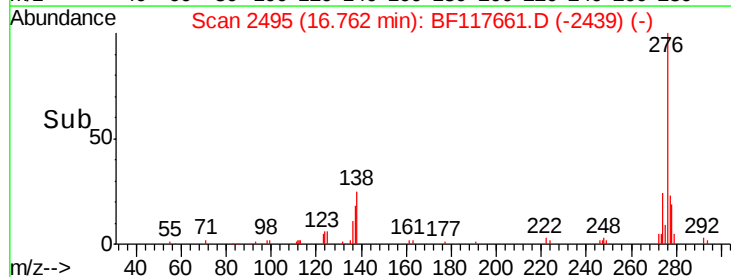
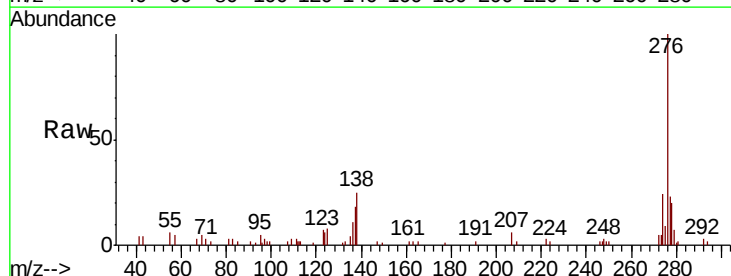
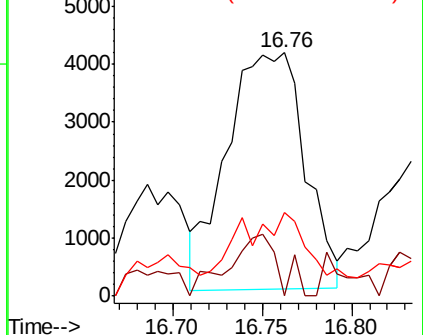
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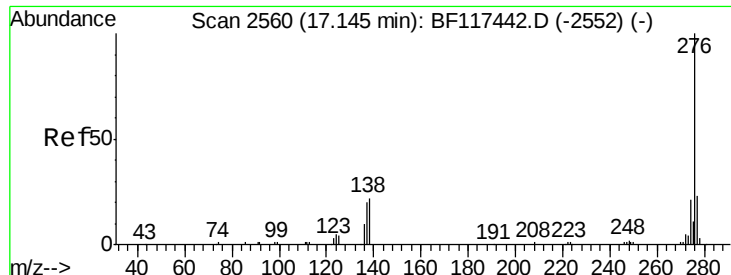


#91  
Dibenzo(a,h)anthracene  
Concen: 3.768 ng m  
RT: 16.76 min Scan# 2495  
Delta R.T. 0.03 min  
Lab File: BF117661.D  
Acq: 31 Oct 2019 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 13.4  | 20.0  |
| 279     | 34.5  | 17.8  | 26.6  |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



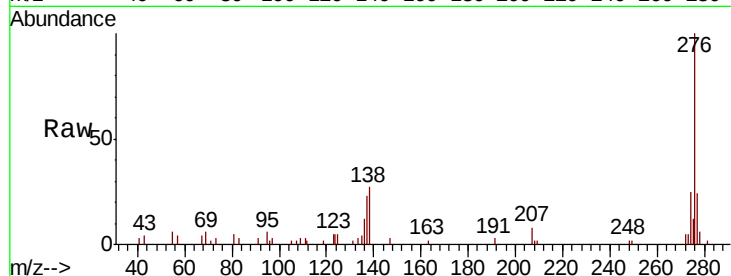


#92  
 Benzo(a,h,i)perylene  
 Concen: 13.096 ng  
 RT: 17.19 min Scan# 2568  
 Delta R.T. 0.05 min  
 Lab File: BF117661.D  
 Acq: 31 Oct 2019 16:38

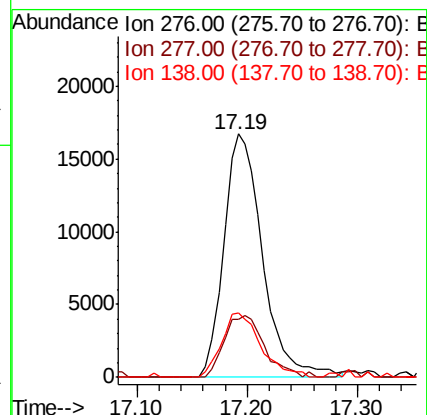
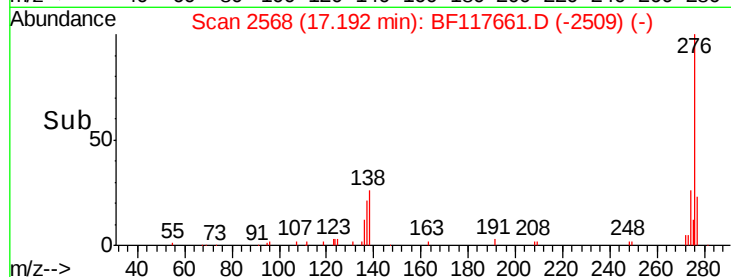
Instrument :  
 BNA\_F  
 ClientSampleId :  
 200-06-(0-1.2)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 40870 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.0  | 18.4  | 27.6  |
| 138       | 26.5  | 17.8  | 26.6  |

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



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