

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\  
 Data File : BF117617.D  
 Acq On : 30 Oct 2019 11:59  
 Operator : JU  
 Sample : K5540-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 155-40-(0-1.1)

Manual Integrations  
 APPROVED

mohammad  
 10/31/2019 3:10:27 PM

Quant Time: Oct 31 01:54:12 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  | 35745    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 145407   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 70820    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.25 | 188  | 109937   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.90 | 240  | 77461    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.34 | 264  | 87887    | 20.00 | ng    | 0.02     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.35  | 112 | 188258 | 78.35 | ng | 0.00  |
| 7) Phenol-d6                | 6.38  | 99  | 280480 | 86.91 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 190829 | 64.79 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330 | 49555  | 80.87 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.08  | 172 | 245598 | 48.86 | ng | -0.01 |
| 79) Terphenyl-d14           | 12.83 | 244 | 160316 | 33.76 | ng | 0.00  |

|                            |       |     |         |         |    |      |
|----------------------------|-------|-----|---------|---------|----|------|
| Target Compounds           |       |     |         | Qvalue  |    |      |
| 10) Phenol                 | 6.40  | 94  | 11886   | 3.609   | ng | 83   |
| 50) Dimethylphthalate      | 9.48  | 163 | 39968   | 7.916   | ng | # 98 |
| 52) Acenaphthene           | 9.79  | 154 | 33483   | 8.405   | ng | 96   |
| 55) Dibenzofuran           | 9.97  | 168 | 28704   | 4.973   | ng | 95   |
| 58) Fluorene               | 10.31 | 166 | 52880   | 11.079  | ng | 95   |
| 71) Phenanthrene           | 11.28 | 178 | 828838  | 129.838 | ng | 99   |
| 72) Anthracene             | 11.33 | 178 | 232225  | 35.454  | ng | 99   |
| 73) Carbazole              | 11.49 | 167 | 28695   | 4.794   | ng | 98   |
| 75) Fluoranthene           | 12.47 | 202 | 867796  | 135.794 | ng | 99   |
| 78) Pyrene                 | 12.70 | 202 | 760258  | 114.265 | ng | 99   |
| 81) Benzo(a)anthracene     | 13.89 | 228 | 350018  | 66.988  | ng | 98   |
| 83) Chrysene               | 13.93 | 228 | 289095  | 56.454  | ng | 98   |
| 86) Indeno(1,2,3-cd)pyrene | 16.76 | 276 | 126019  | 32.961  | ng | 96   |
| 88) Benzo(b)fluoranthene   | 14.93 | 252 | 332944m | 64.153  | ng |      |
| 89) Benzo(k)fluoranthene   | 14.95 | 252 | 105946m | 19.917  | ng |      |
| 90) Benzo(a)pyrene         | 15.29 | 252 | 241287  | 51.135  | ng | 95   |
| 91) Dibenzo(a,h)anthracene | 16.75 | 278 | 33220m  | 8.142   | ng |      |
| 92) Benzo(g,h,i)perylene   | 17.19 | 276 | 117796  | 30.513  | ng | 97   |

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

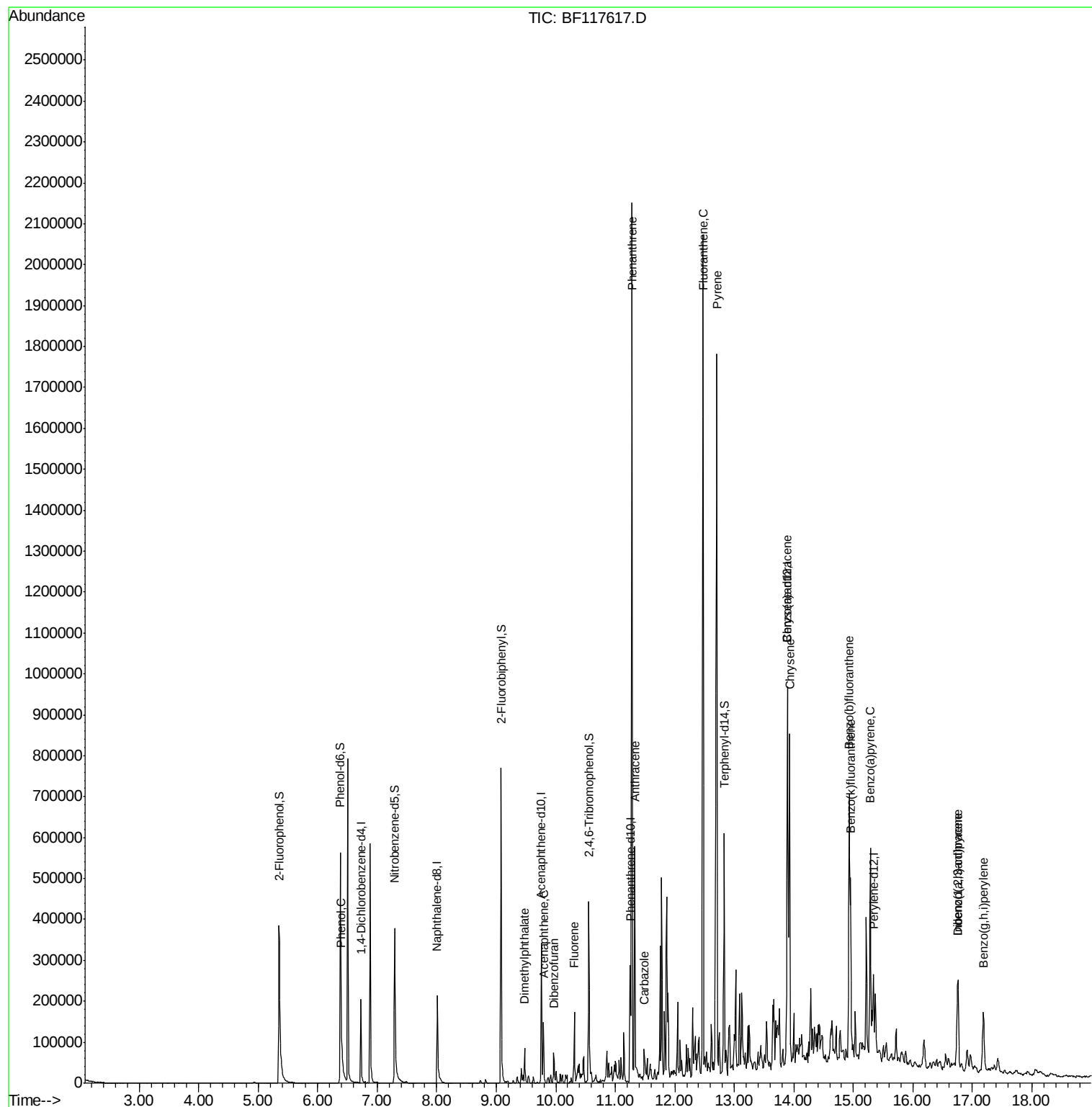
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\  
Data File : BF117617.D  
Acq On : 30 Oct 2019 11:59  
Operator : JU  
Sample : K5540-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

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Quant Time: Oct 31 01:54:12 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

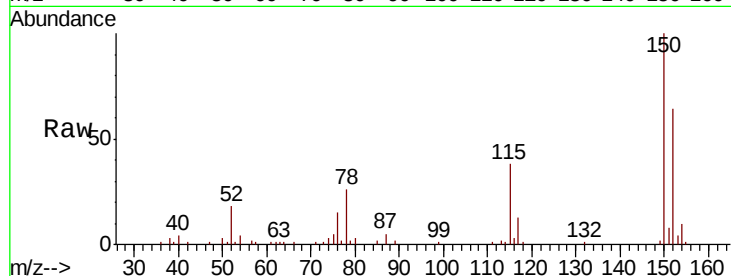
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.7 | 126.8 | 190.2 |
| 115     | 59.9  | 51.6  | 77.4  |

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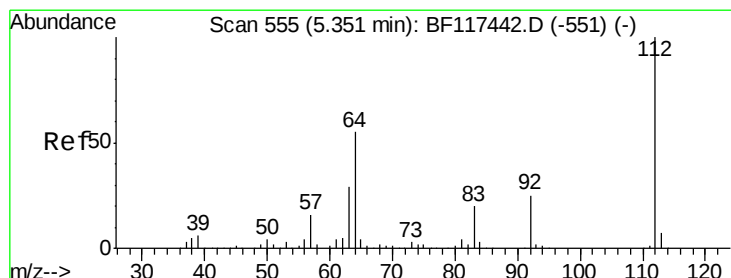
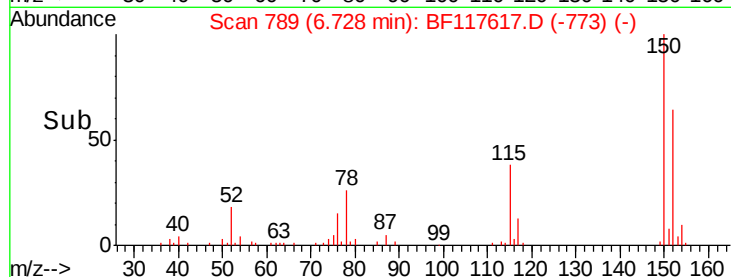
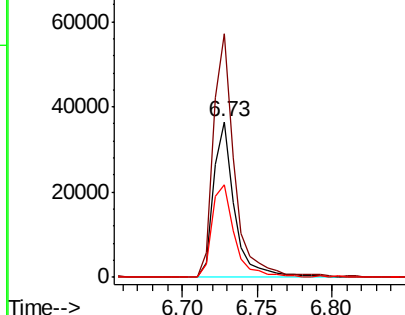


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

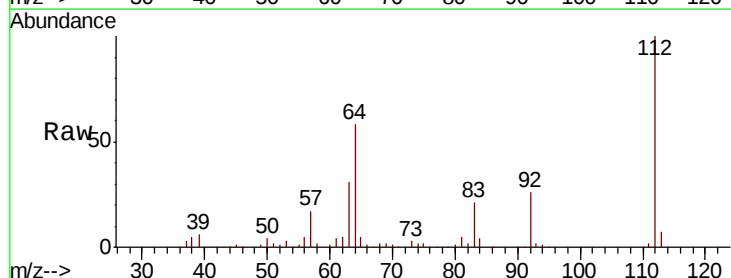
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 78.353 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 44.1  | 66.1  |
| 63      | 30.7  | 23.4  | 35.2  |

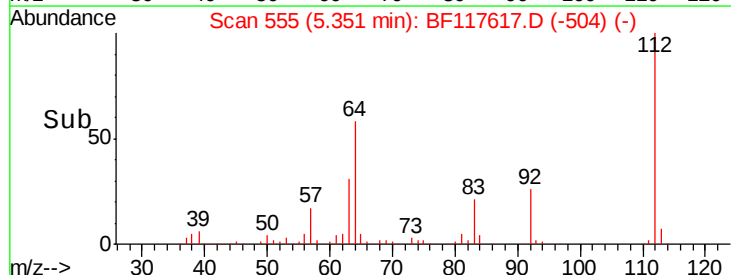
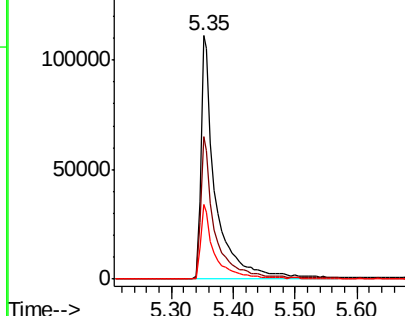


Abundance

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: 86.914 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

Instrument :

BNA\_F

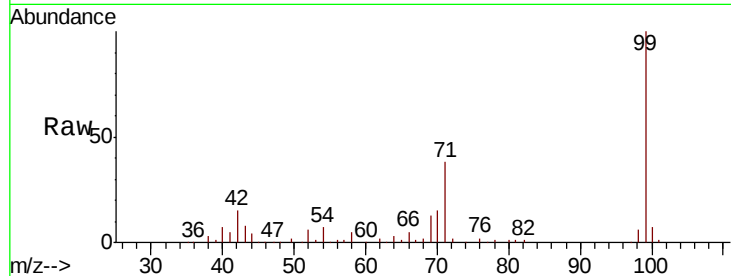
ClientSampleId :

155-40-(0-1.1)

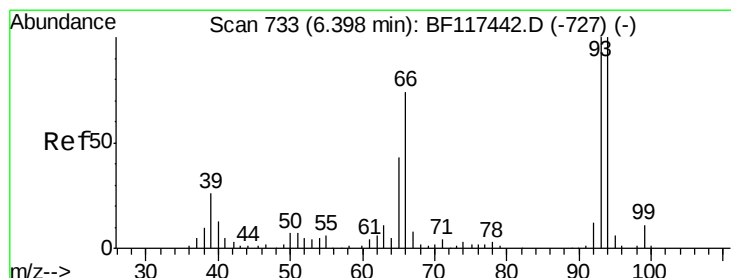
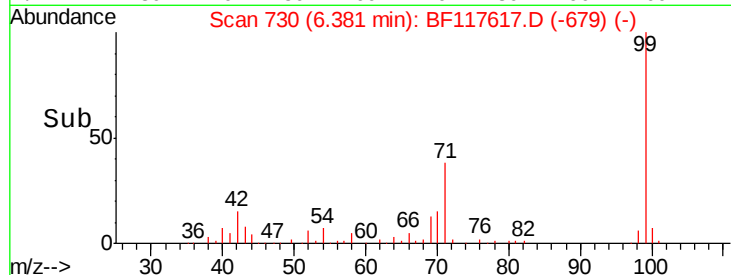
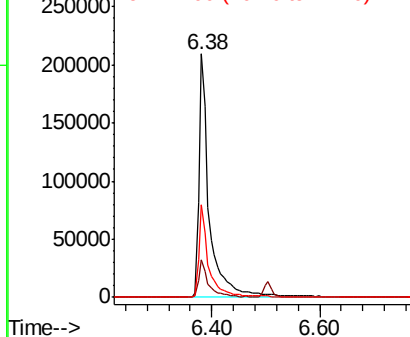
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 280480 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 15.3  | 12.8  | 19.2   |
| 71       | 38.3  | 28.6  | 43.0   |

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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.609 ng

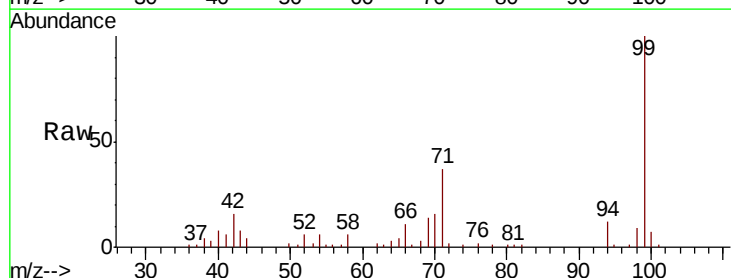
RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

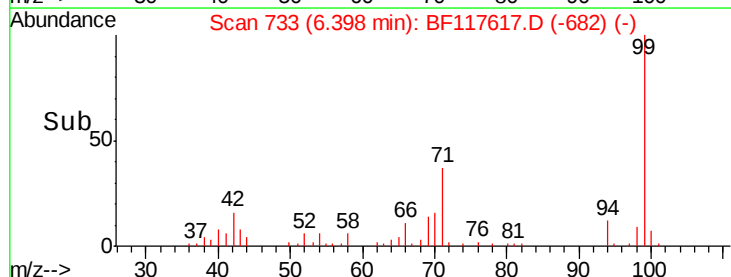
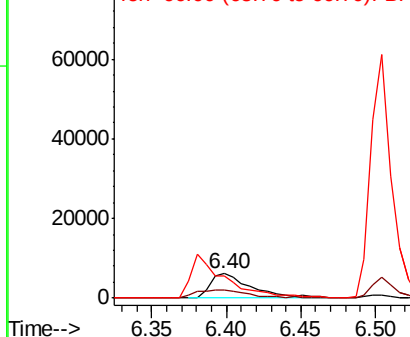
Lab File: BF117617.D

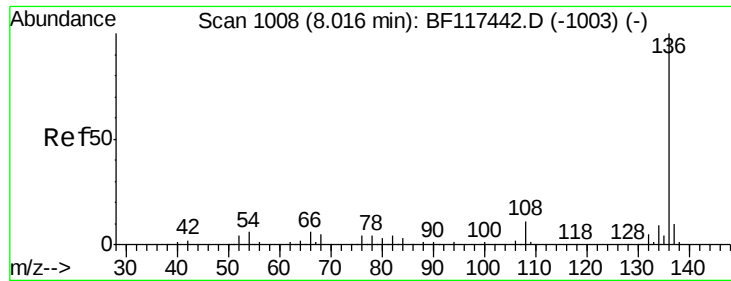
Acq: 30 Oct 2019 11:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 11886 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 34.0  | 23.4  | 63.4  |
| 66       | 91.0  | 54.7  | 94.7  |



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





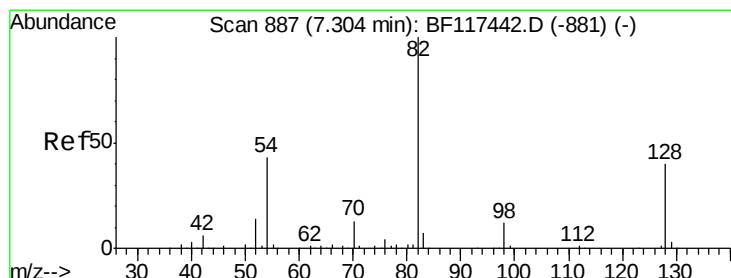
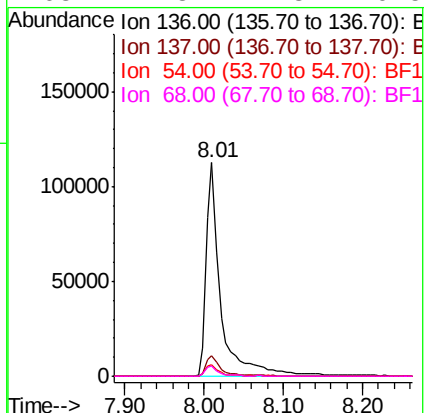
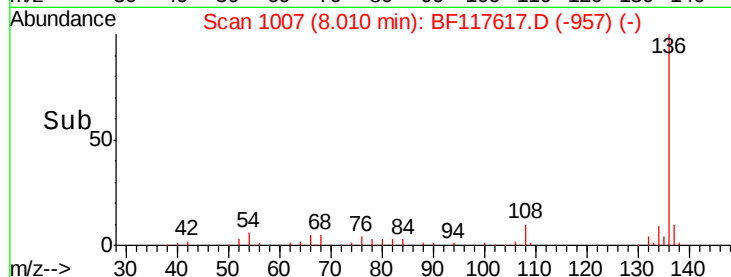
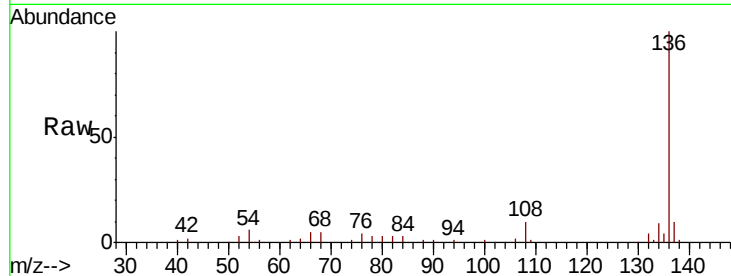
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 145407 |       |       |
| 137     | 9.9   | 8.2    | 12.4  |       |
| 54      | 5.6   | 4.5    | 6.7   |       |
| 68      | 4.8   | 4.3    | 6.5   |       |

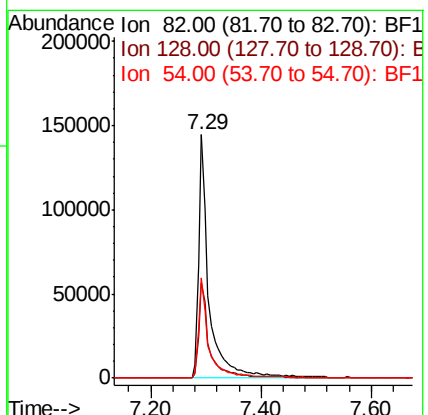
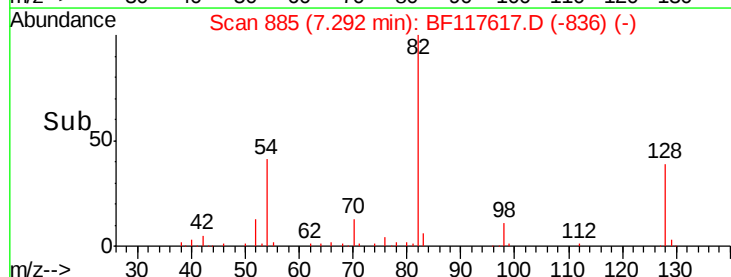
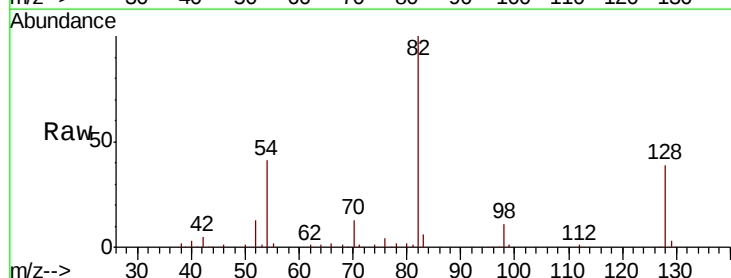
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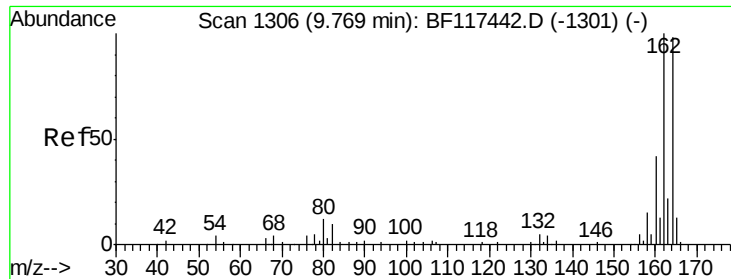
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#23  
Nitrobenzene-d5  
Concen: 64.789 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 190829 |       |       |
| 128     | 39.1  | 32.2   | 48.2  |       |
| 54      | 41.3  | 34.2   | 51.2  |       |





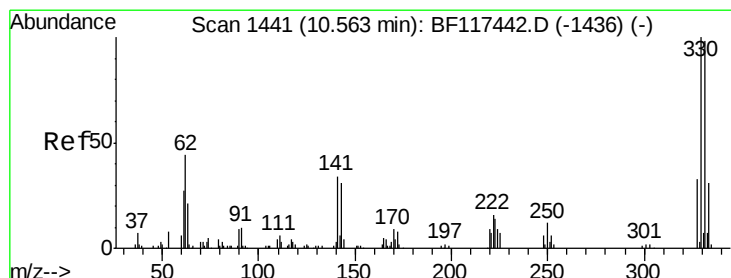
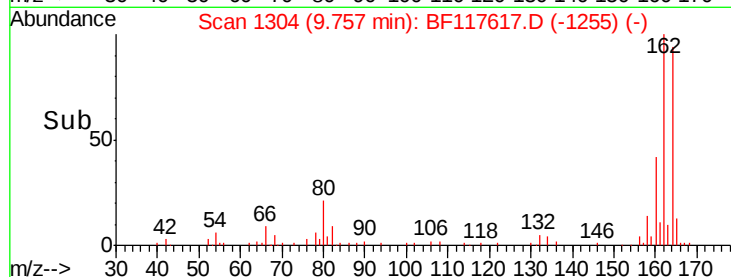
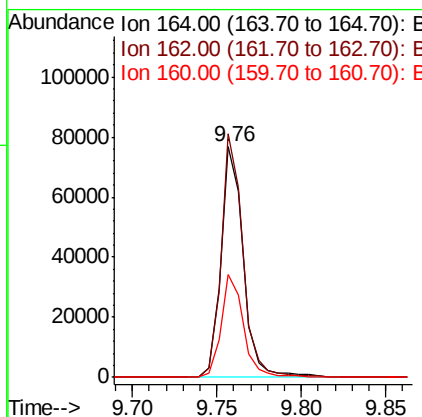
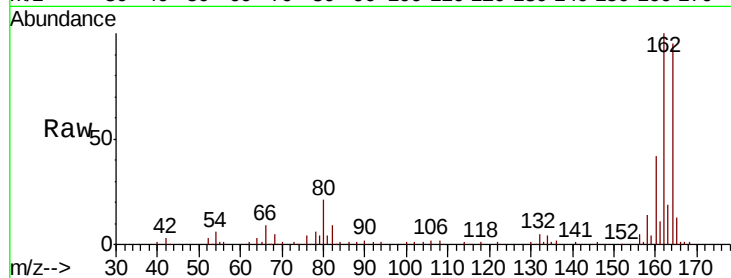
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.7 | 81.8  | 122.6 |
| 160     | 44.6  | 34.4  | 51.6  |

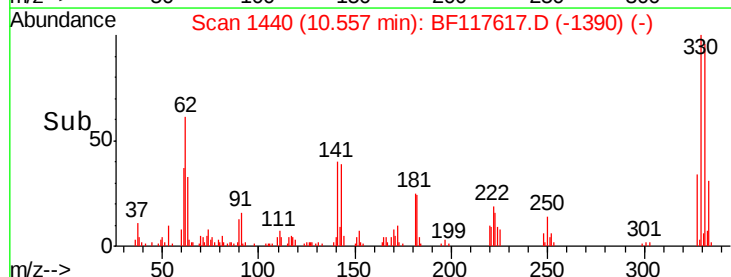
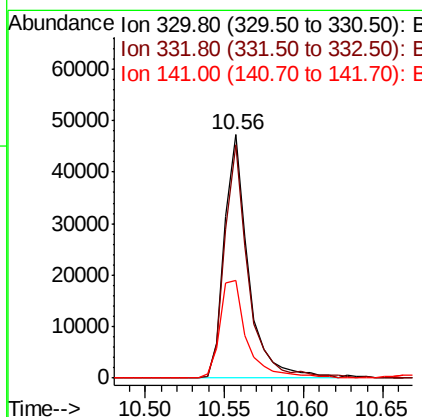
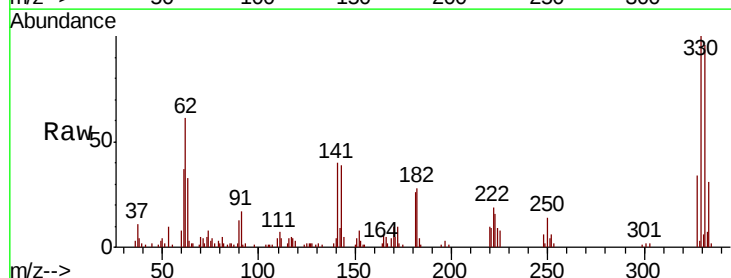
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#42  
2,4,6-Tribromophenol  
Concen: 80.870 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 78.5  | 117.7 |
| 141     | 45.4  | 37.0  | 55.6  |





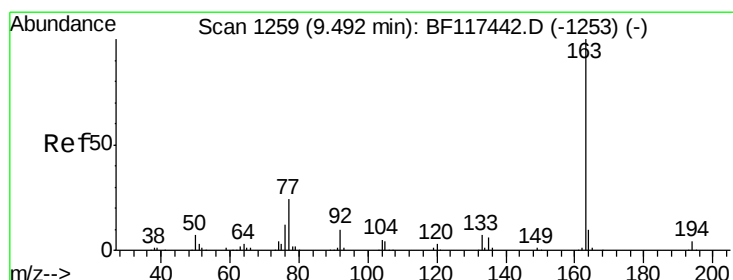
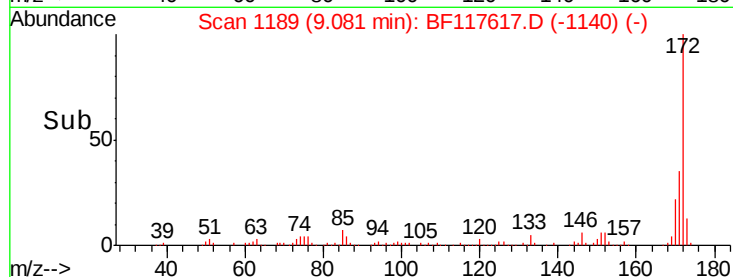
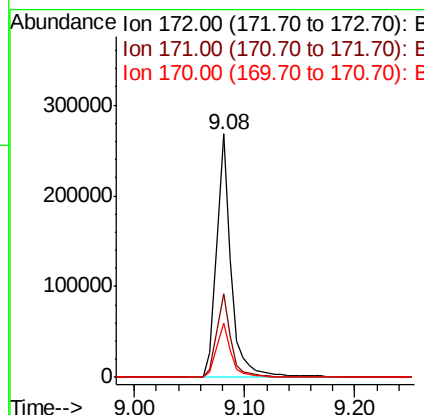
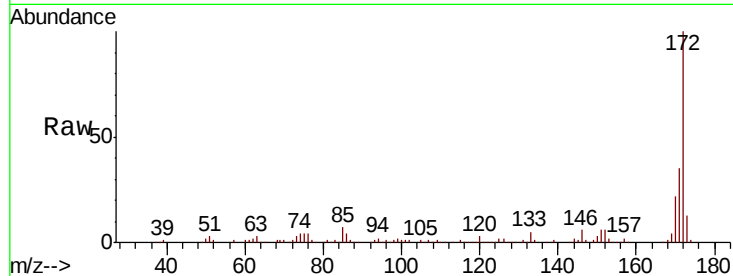
#45  
2-Fluorobiphenyl  
Concen: 48.863 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 245598 |       |       |
| 171     | 34.6  |        | 27.5  | 41.3  |
| 170     | 22.1  |        | 18.6  | 27.8  |

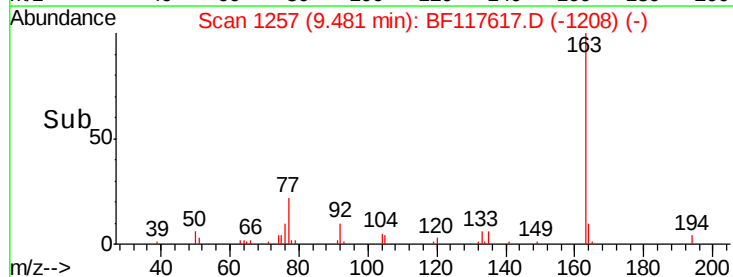
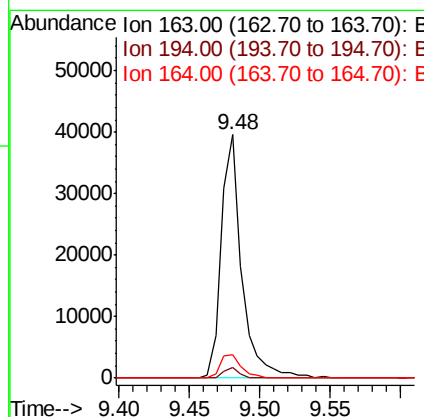
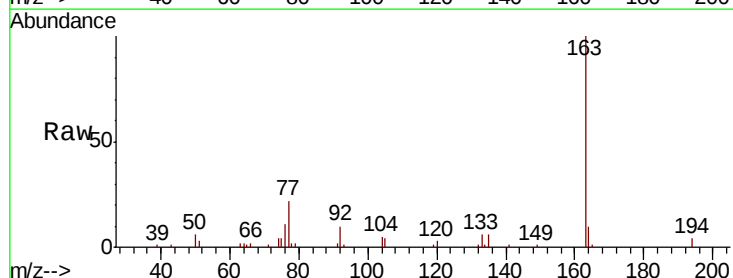
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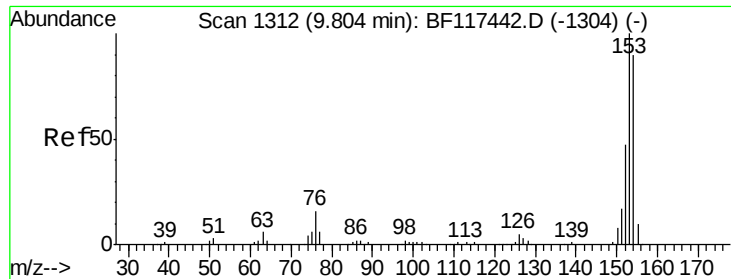
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#50  
Dimethylphthalate  
Concen: 7.916 ng  
RT: 9.48 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 39968 |       |       |
| 194     | 4.4   |       | 2.9   | 4.3#  |
| 164     | 9.5   |       | 8.2   | 12.2  |





#52

Acenaphthene

Concen: 8.405 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

Instrument :

BNA\_F

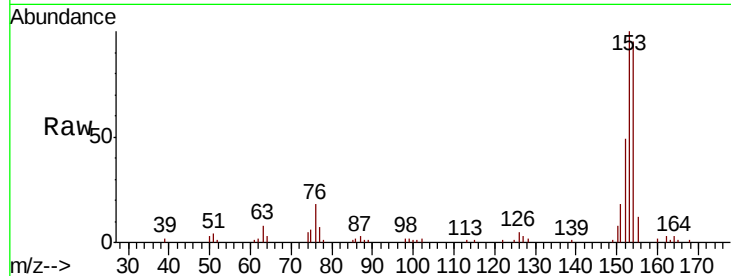
ClientSampleId :

155-40-(0-1.1)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 33483 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 105.4 | 89.2  | 133.8 |
| 152       | 51.6  | 41.8  | 62.6  |

Manual Integrations  
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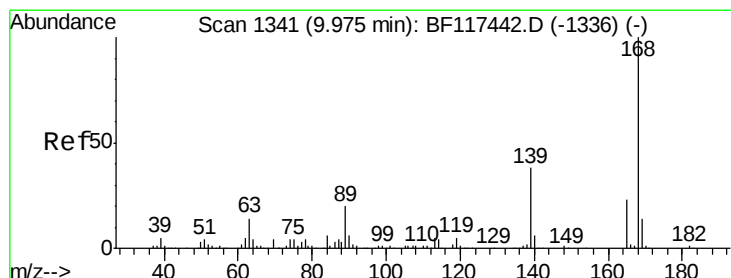
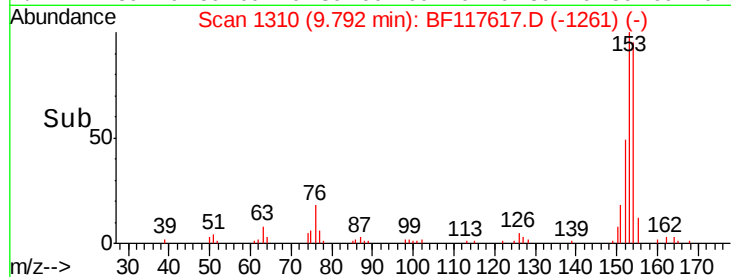
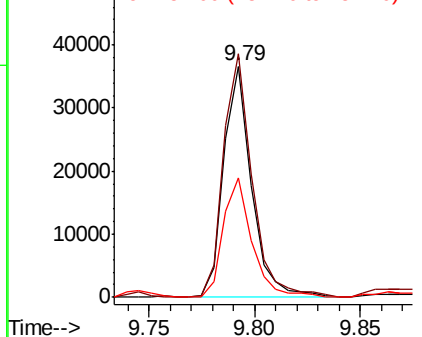


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.973 ng

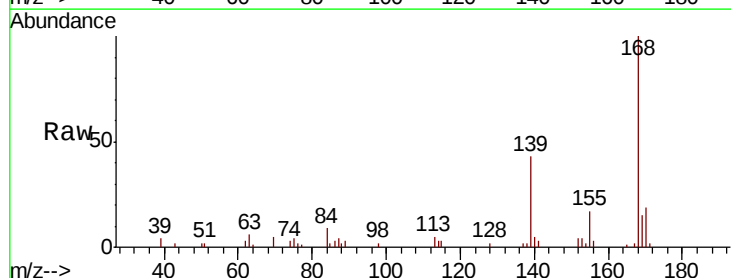
RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 28704 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 43.4  | 31.8  | 47.6  |
| 169       | 14.5  | 11.2  | 16.8  |

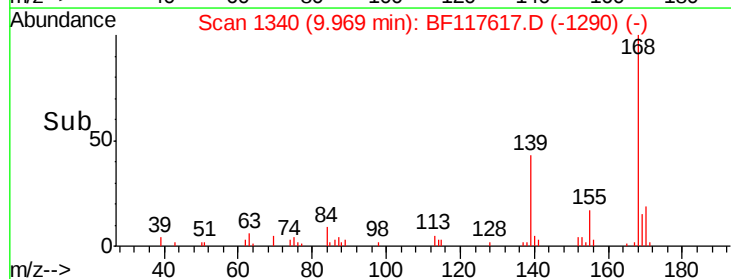
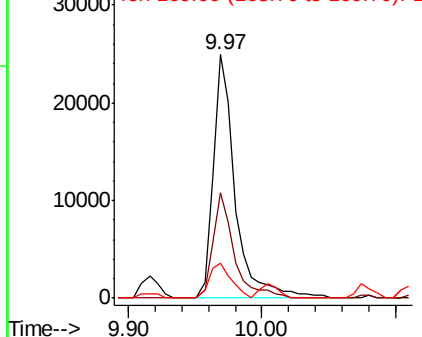


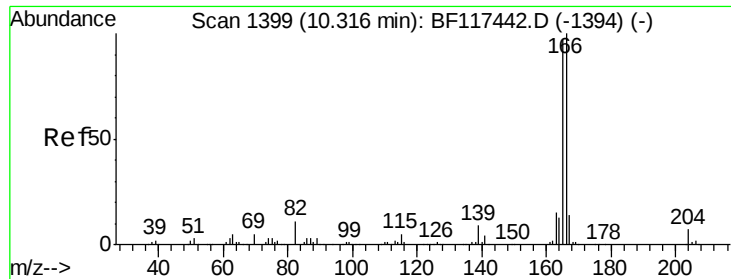
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 11.079 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

Instrument :

BNA\_F

ClientSampleId :

155-40-(0-1.1)

Tot Ion:166 Resp: 52880

Ion Ratio Lower Upper

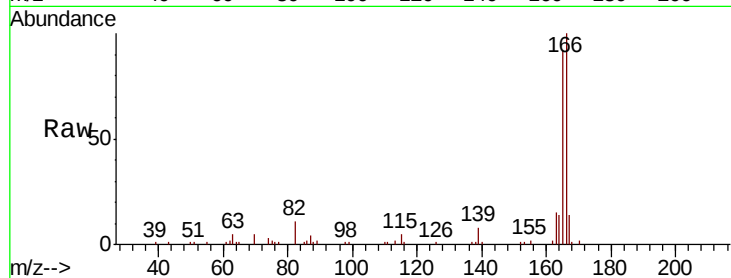
166 100

165 91.7 77.6 116.4

167 14.0 11.0 16.4

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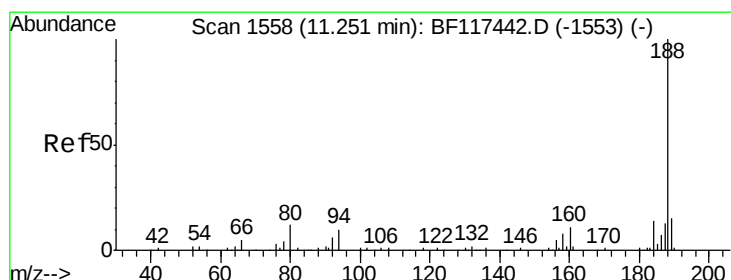
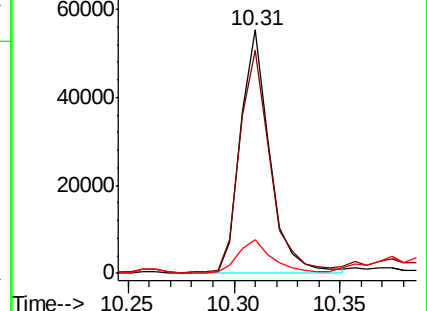
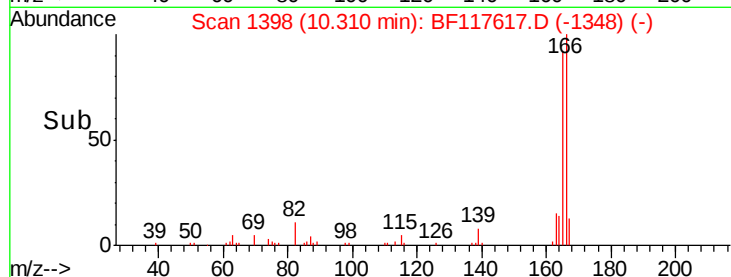
mohammad  
10/31/2019 3:10:27 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

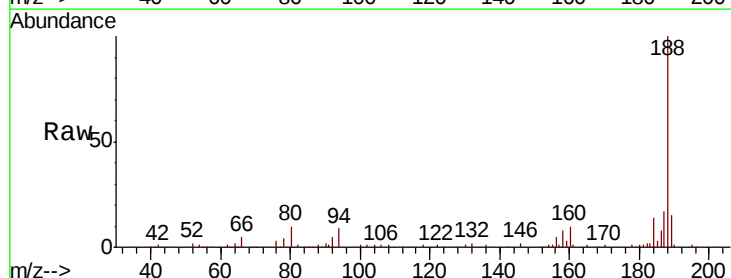
Tgt Ion:188 Resp: 109937

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

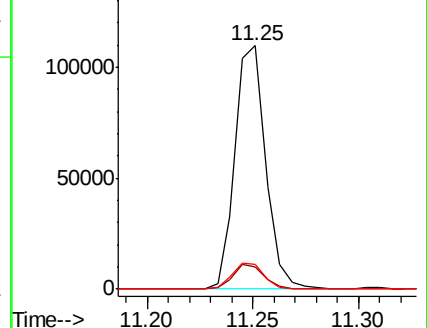
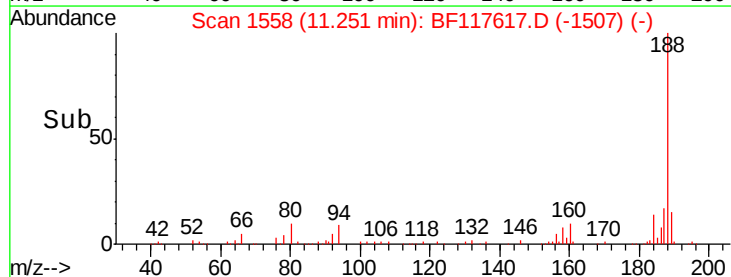
80 10.0 9.5 14.3

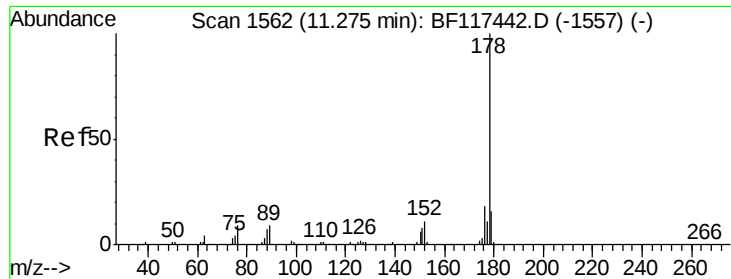


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





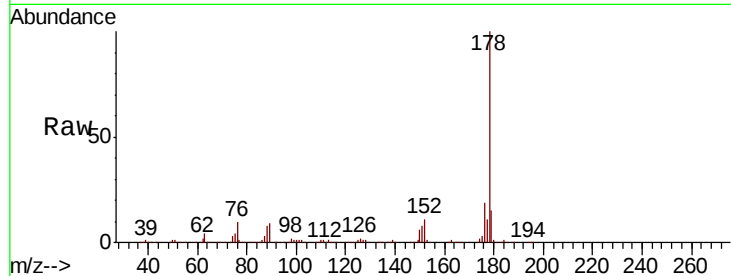
#71  
Phenanthrene  
Concen: 129.838 ng  
RT: 11.28 min Scan# 1563  
Delta R.T. 0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 14.6  | 22.0  |
| 179     | 15.4  | 12.6  | 19.0  |

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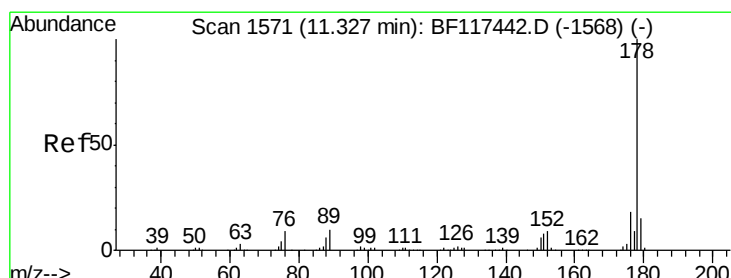
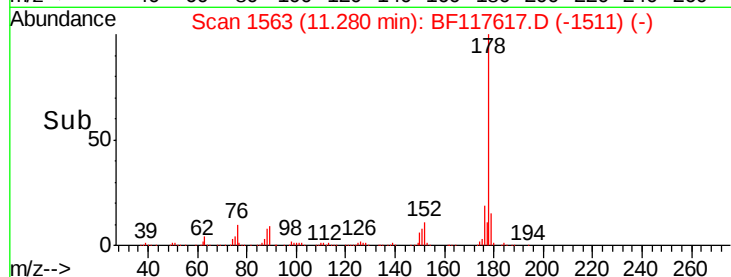
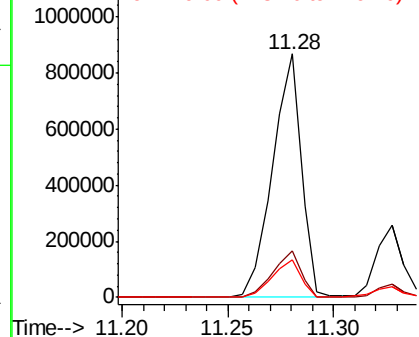


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72  
Anthracene  
Concen: 35.454 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

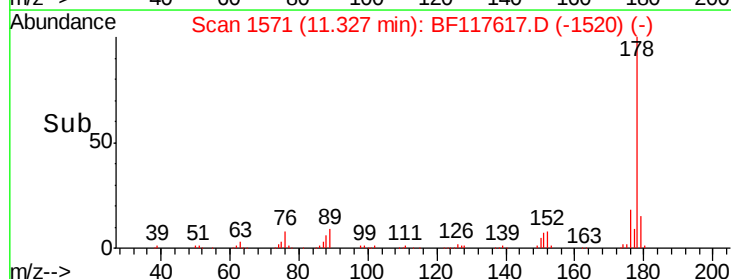
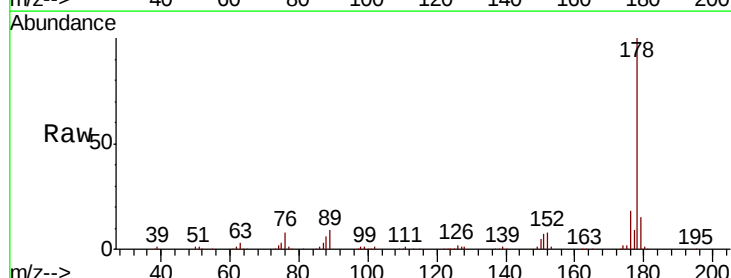
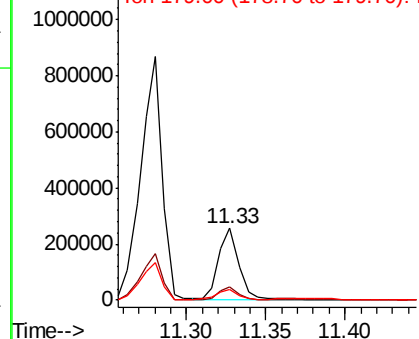
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.7  | 14.7  | 22.1  |
| 179     | 15.2  | 12.2  | 18.2  |

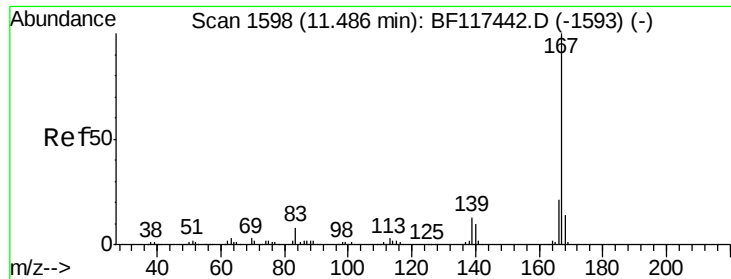
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





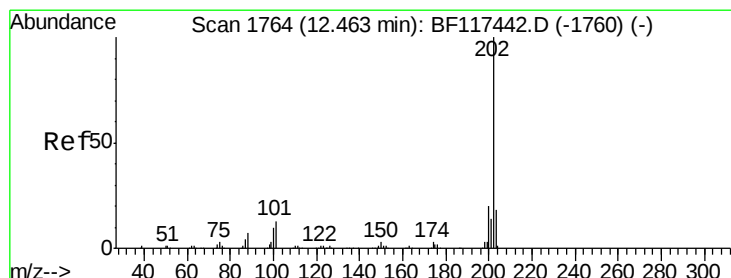
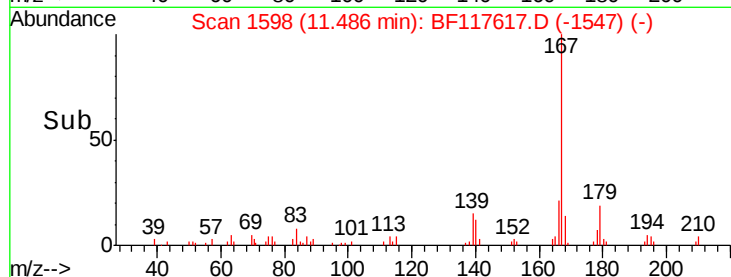
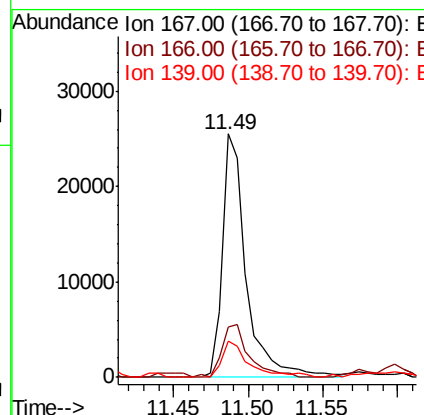
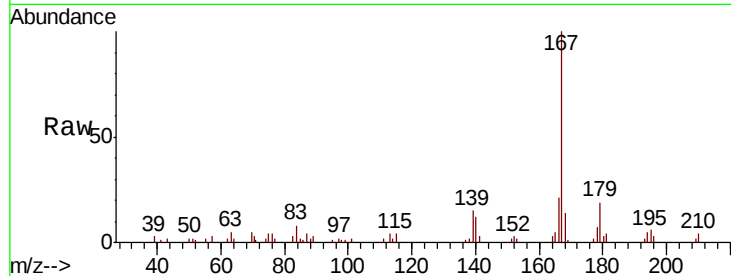
#73  
 Carbazole  
 Concen: 4.794 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. 0.00 min  
 Lab File: BF117617.D  
 Acq: 30 Oct 2019 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.7  | 17.0  | 25.6  |
| 139     | 14.9  | 10.6  | 16.0  |

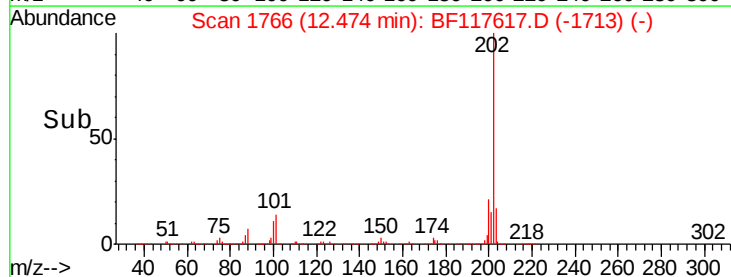
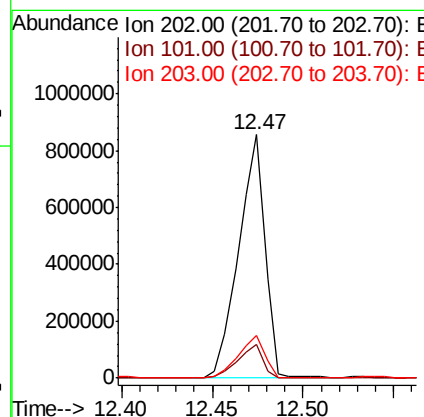
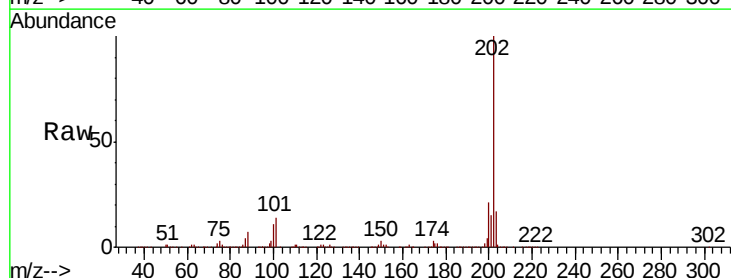
Manual Integrations  
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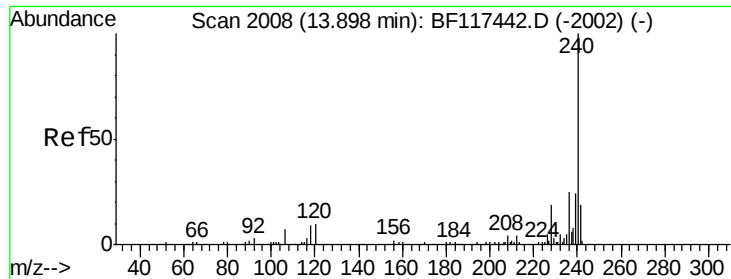
mohammad  
 10/31/2019 3:10:27 PM



#75  
 Fluoranthene  
 Concen: 135.794 ng  
 RT: 12.47 min Scan# 1766  
 Delta R.T. 0.01 min  
 Lab File: BF117617.D  
 Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.7  | 0.0   | 32.7  |
| 203     | 17.5  | 0.0   | 37.6  |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

Instrument :

BNA\_F

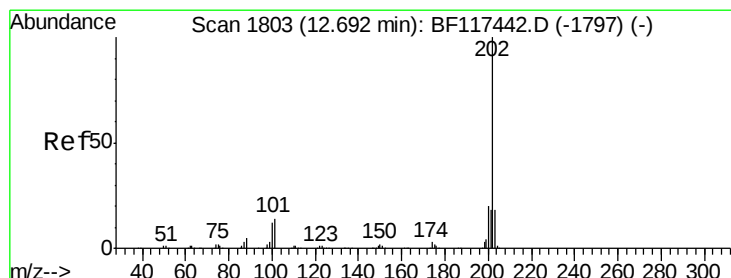
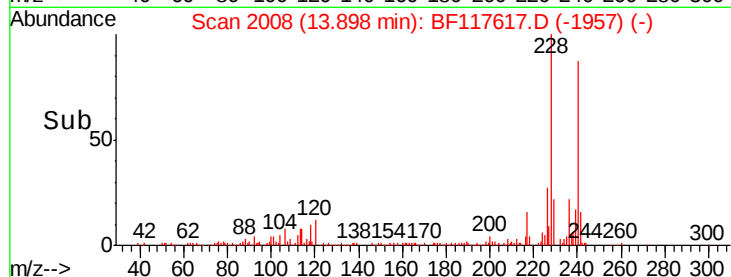
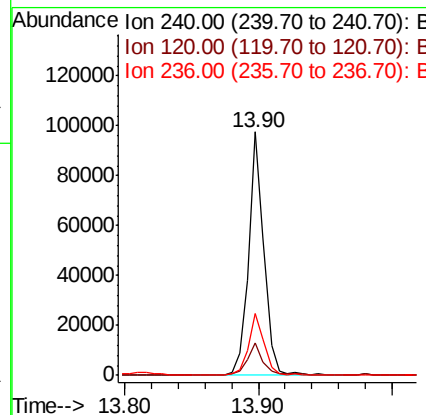
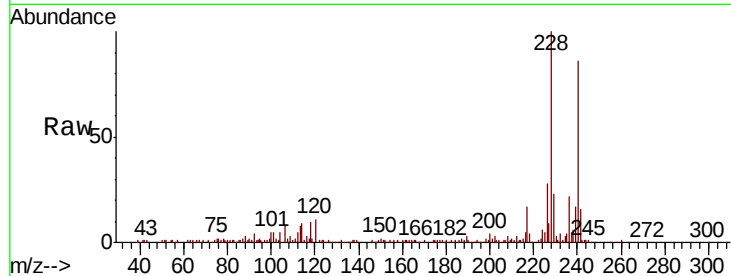
ClientSampleId :

155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.3  | 8.4   | 12.6# |
| 236     | 25.2  | 20.0  | 30.0  |

Manual Integrations  
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#78

Pyrene

Concen: 114.265 ng

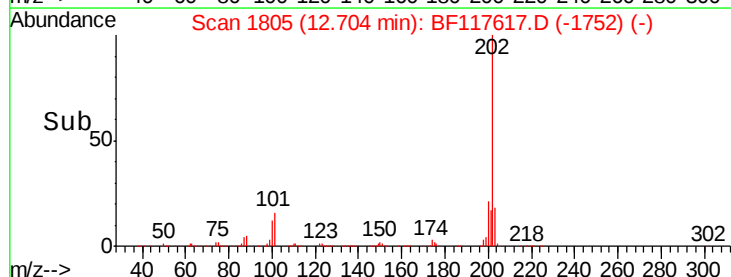
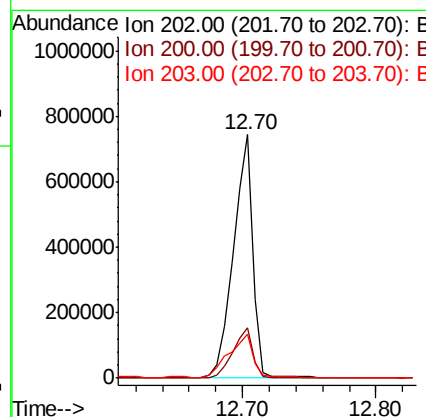
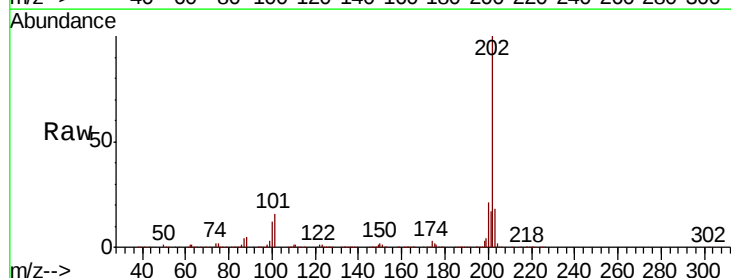
RT: 12.70 min Scan# 1805

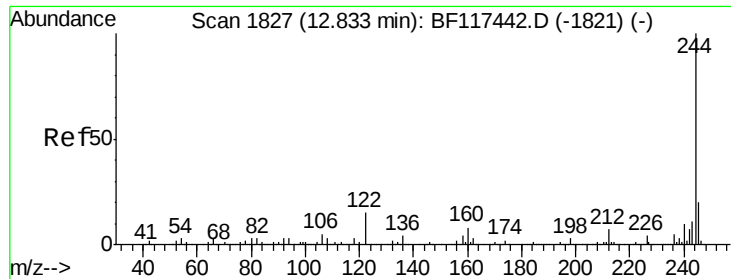
Delta R.T. 0.01 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 16.2  | 24.2  |
| 203     | 18.0  | 14.0  | 21.0  |





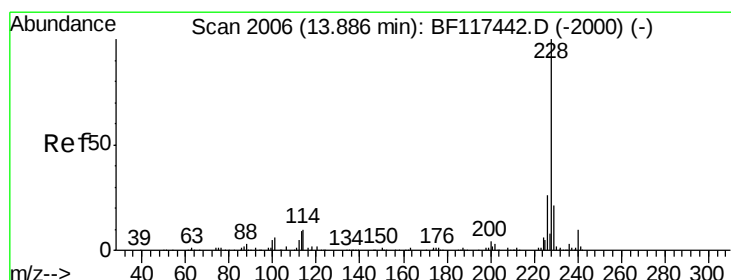
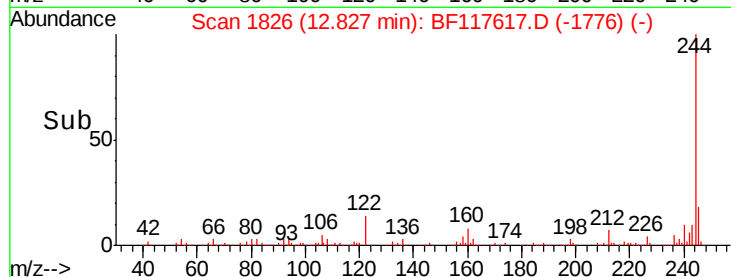
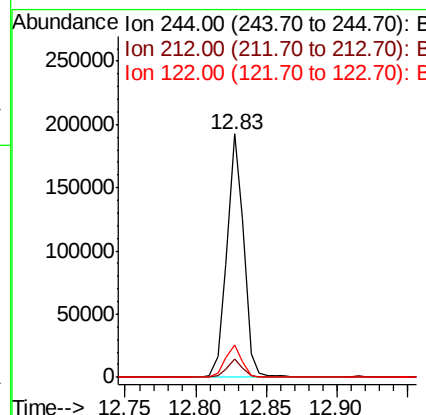
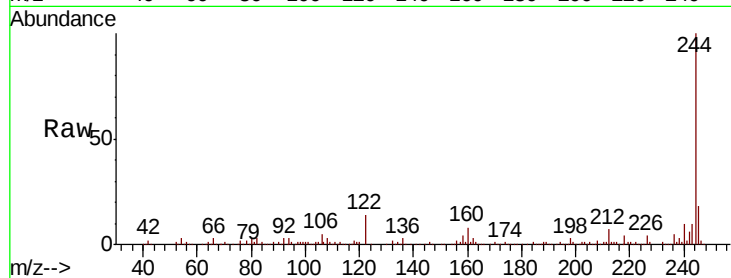
#79  
 Terphenyl-d14  
 Concen: 33.758 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF117617.D  
 Acq: 30 Oct 2019 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 5.8   | 8.6   |
| 122     | 13.5  | 11.8  | 17.8  |

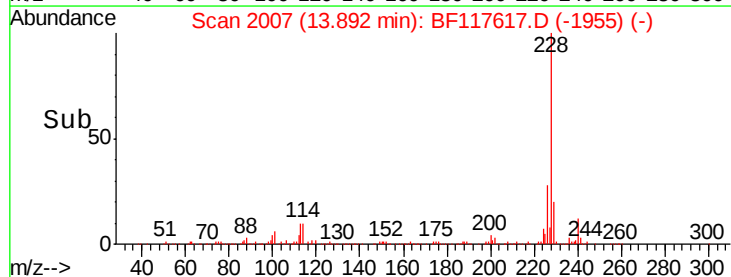
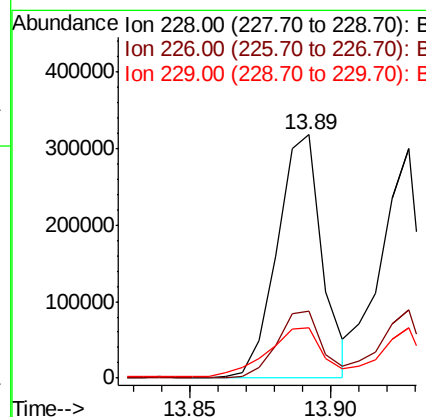
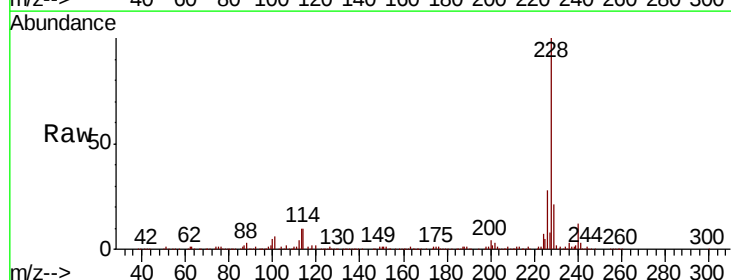
Manual Integrations  
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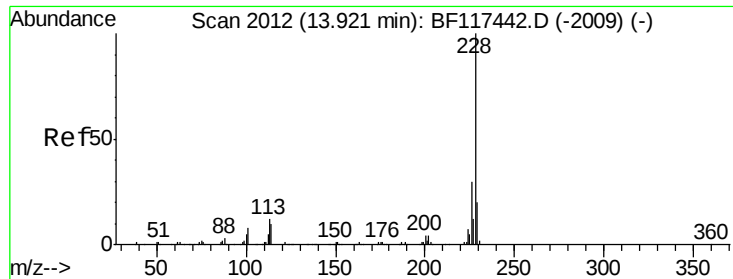
mohammad  
 10/31/2019 3:10:27 PM



#81  
 Benzo(a)anthracene  
 Concen: 66.988 ng  
 RT: 13.89 min Scan# 2007  
 Delta R.T. 0.01 min  
 Lab File: BF117617.D  
 Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 21.0  | 31.4  |
| 229     | 20.5  | 16.4  | 24.6  |





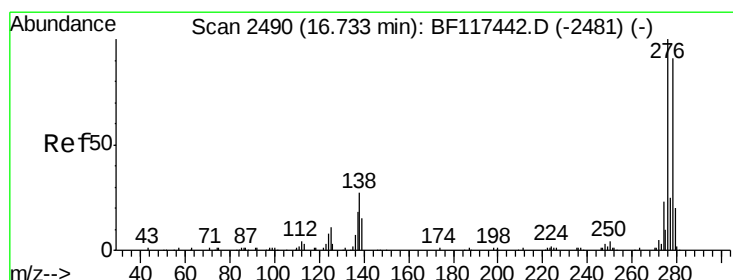
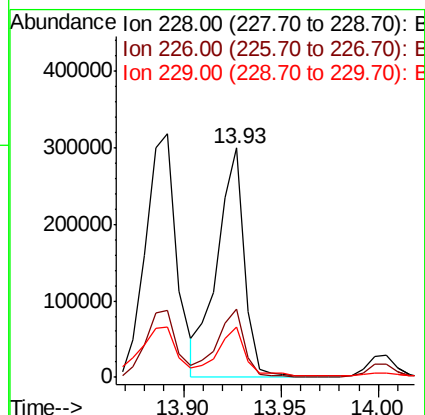
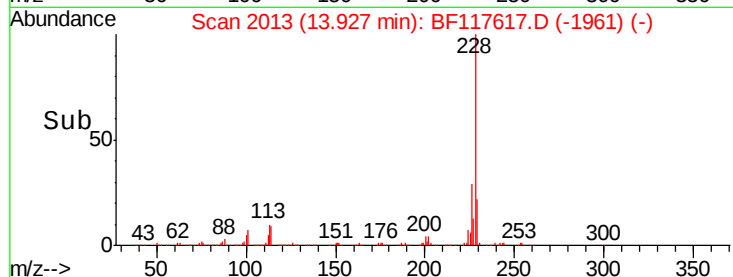
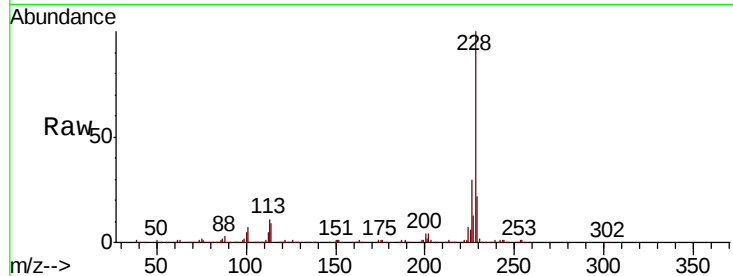
#83  
Chrysene  
Concen: 56.454 ng  
RT: 13.93 min Scan# 2013  
Delta R.T. 0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 23.9  | 35.9  |
| 229     | 21.8  | 15.8  | 23.6  |

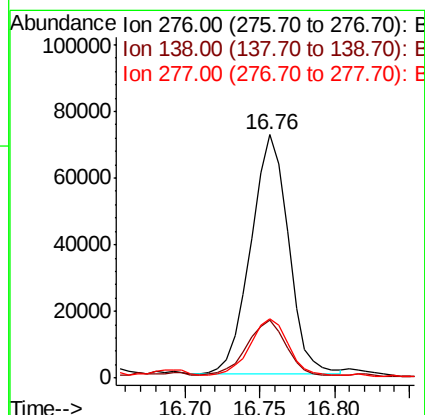
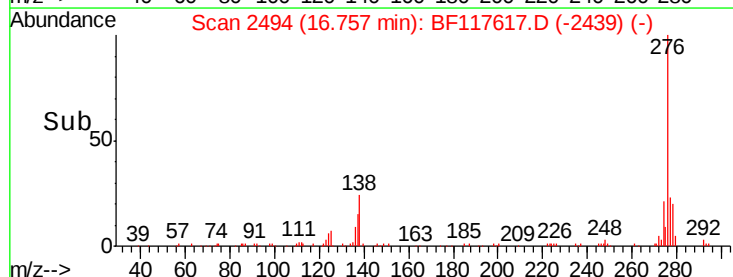
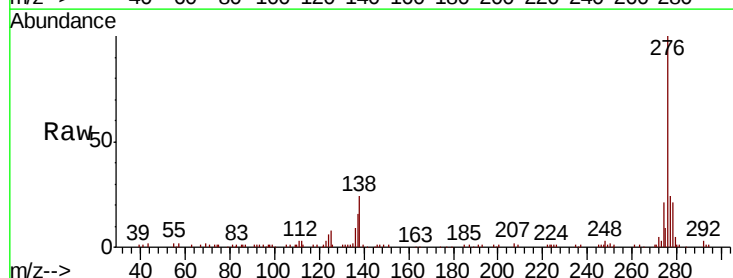
Manual Integrations  
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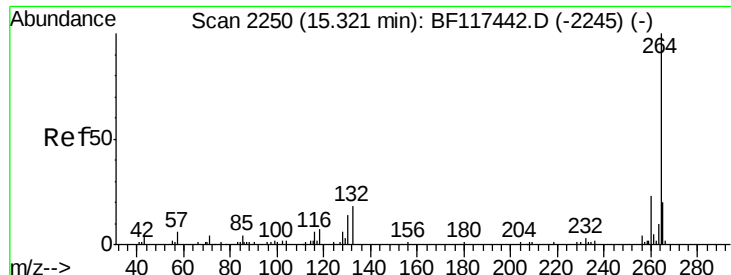
mohammad  
10/31/2019 3:10:27 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 32.961 ng  
RT: 16.76 min Scan# 2494  
Delta R.T. 0.02 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.2  | 21.8  | 32.8  |
| 277     | 23.8  | 20.0  | 30.0  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

Instrument :

BNA\_F

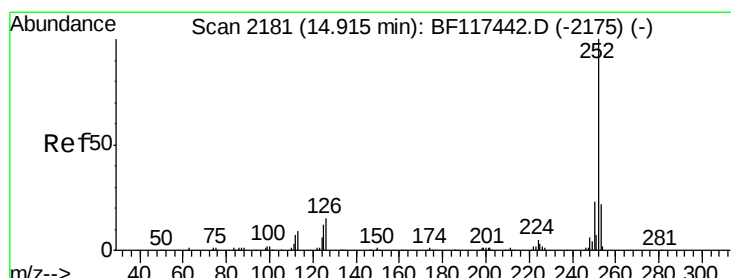
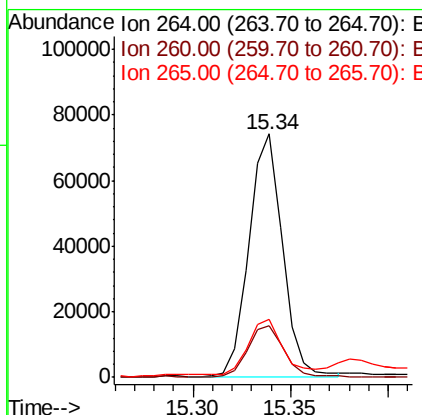
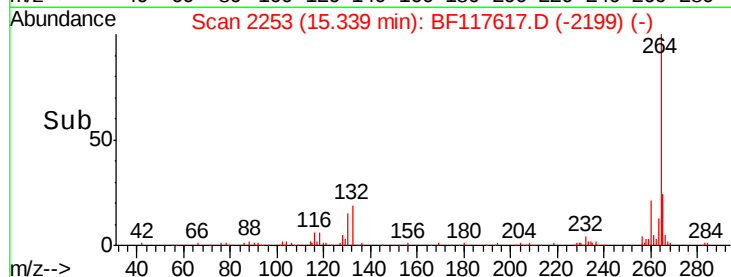
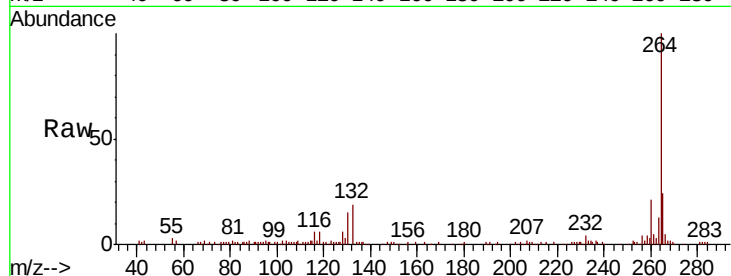
ClientSampleId :

155-40-(0-1.1)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 264   | Resp: | 87887 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 21.3  | 18.4  | 27.6  |
| 265       | 23.6  | 16.1  | 24.1  |

Manual Integrations  
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10/31/2019 3:10:27 PM



#88

Benzo(b)fluoranthene

Concen: 64.153 ng m

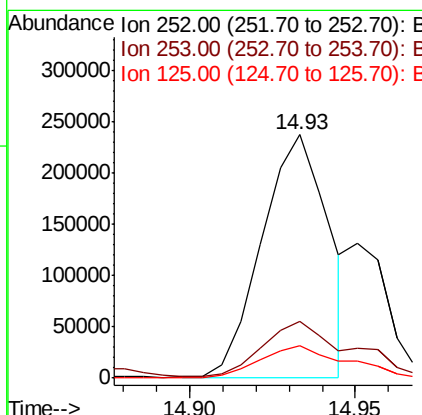
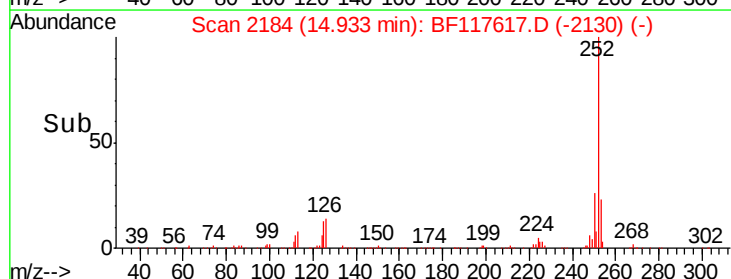
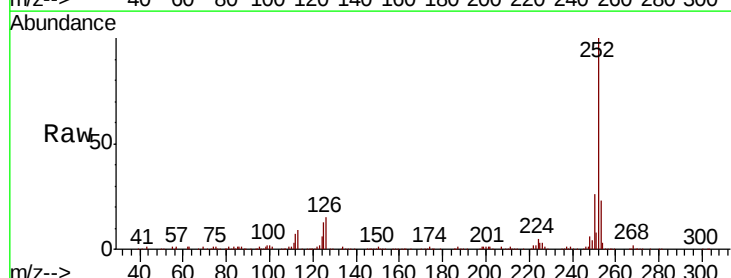
RT: 14.93 min Scan# 2184

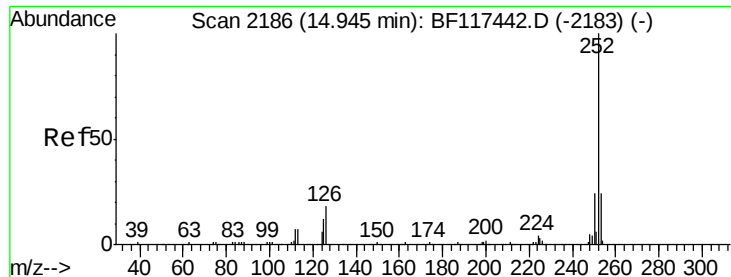
Delta R.T. 0.02 min

Lab File: BF117617.D

Acq: 30 Oct 2019 11:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 332944 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.4  | 17.8  | 26.6   |
| 125       | 13.4  | 9.9   | 14.9   |





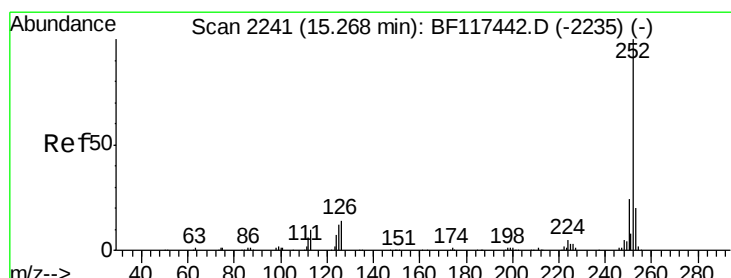
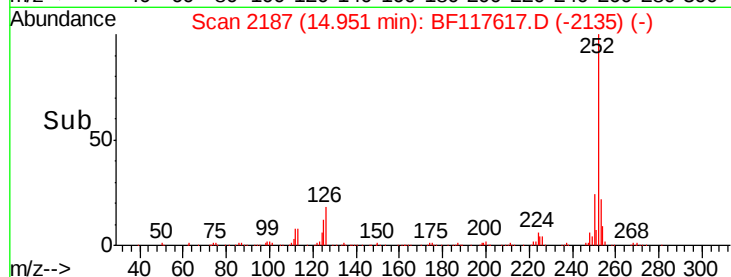
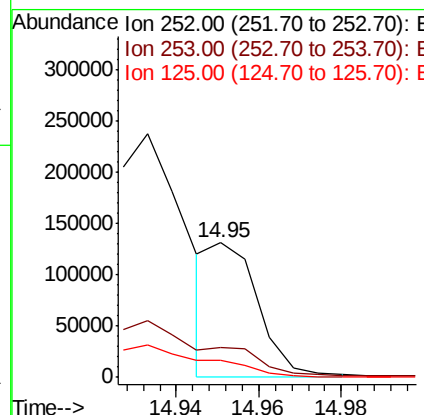
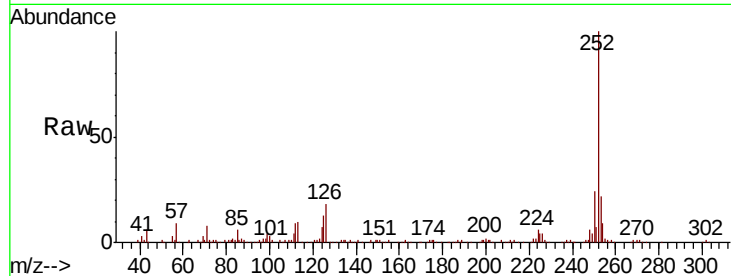
#89  
Benzo(k)fluoranthene  
Concen: 19.917 ng m  
RT: 14.95 min Scan# 2187  
Delta R.T. 0.01 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.0  | 27.0  |
| 125     | 13.1  | 8.9   | 13.3  |

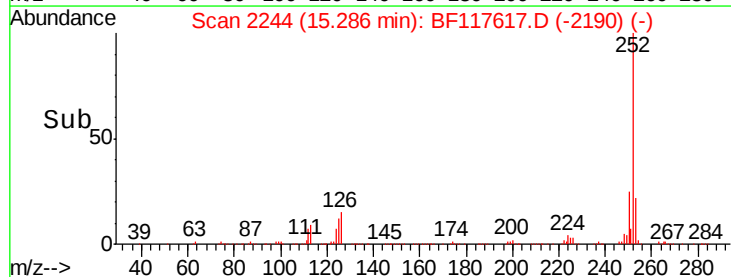
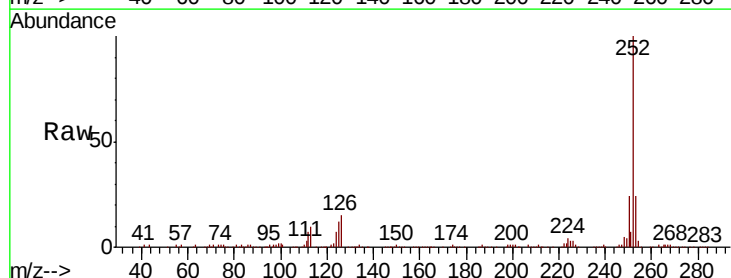
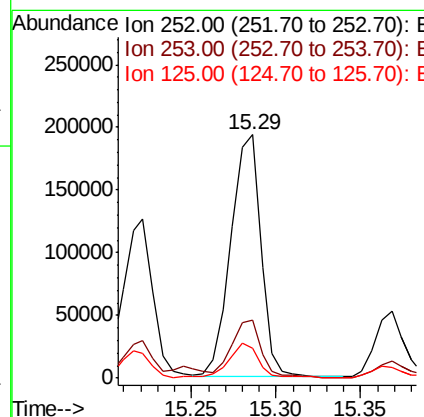
Manual Integrations  
APPROVED

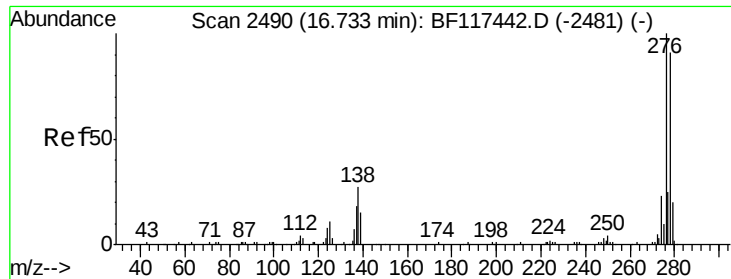
mohammad  
10/31/2019 3:10:27 PM



#90  
Benzo(a)pyrene  
Concen: 51.135 ng  
RT: 15.29 min Scan# 2244  
Delta R.T. 0.02 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 16.3  | 24.5  |
| 125     | 12.5  | 9.2   | 13.8  |





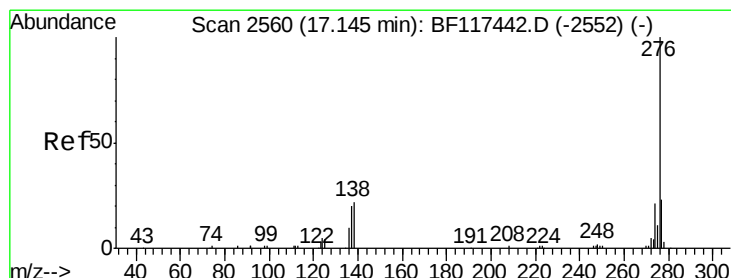
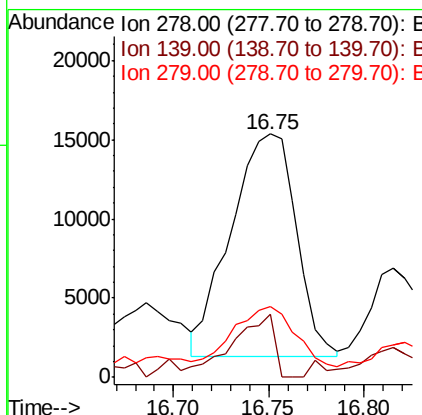
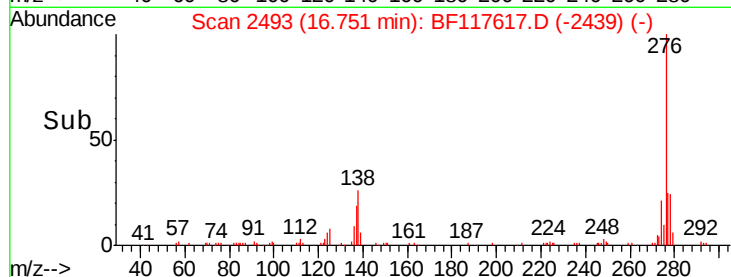
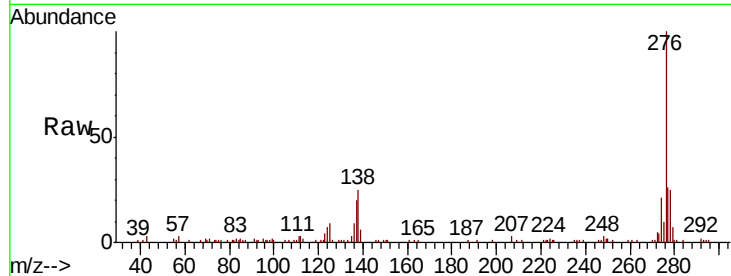
#91  
Dibenzo(a,h)anthracene  
Concen: 8.142 ng m  
RT: 16.75 min Scan# 2493  
Delta R.T. 0.02 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
155-40-(0-1.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.9  | 13.4  | 20.0# |
| 279     | 28.9  | 17.8  | 26.6# |

Manual Integrations  
APPROVED

mohammad  
10/31/2019 3:10:27 PM



#92  
Benzo(g,h,i)perylene  
Concen: 30.513 ng  
RT: 17.19 min Scan# 2567  
Delta R.T. 0.04 min  
Lab File: BF117617.D  
Acq: 30 Oct 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.9  | 18.4  | 27.6  |
| 138     | 22.4  | 17.8  | 26.6  |

