

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\  
 Data File : BF121797.D  
 Acq On : 2 Oct 2020 16:41  
 Operator : JU/CG  
 Sample : L4213-12  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-17(13-15)

Manual Integrations  
 APPROVED

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 10/5/2020 10:27:29 AM

Quant Time: Oct 02 17:34:27 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 01 14:29:14 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 107790   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.05  | 136  | 384625   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.80  | 164  | 181223   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.29 | 188  | 321531   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.93 | 240  | 269859   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.36 | 264  | 289812   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 687545   | 94.79  | ng    | 0.00     |
| 7) Phenol-d6                | 6.40  | 99   | 859176   | 90.29  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 572827   | 79.96  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.59 | 330  | 224614   | 99.72  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.13  | 172  | 926492   | 77.43  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.87 | 244  | 885076   | 66.44  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.07  | 128  | 57736    | 2.844  | ng    | # 91     |
| 49) Acenaphthylene          | 9.66  | 152  | 144816   | 8.244  | ng    | # 89     |
| 50) Dimethylphthalate       | 9.52  | 163  | 127101   | 9.677  | ng    | # 63     |
| 52) Acenaphthene            | 9.83  | 154  | 36336    | 3.275  | ng    | # 90     |
| 55) Dibenzofuran            | 10.00 | 168  | 37134    | 2.377  | ng    | # 69     |
| 58) Fluorene                | 10.35 | 166  | 47491    | 3.975  | ng    | # 92     |
| 71) Phenanthrene            | 11.32 | 178  | 689628   | 39.366 | ng    | 99       |
| 72) Anthracene              | 11.36 | 178  | 230881   | 12.771 | ng    | 98       |
| 73) Carbazole               | 11.52 | 167  | 71126    | 4.360  | ng    | # 82     |
| 75) Fluoranthene            | 12.51 | 202  | 1297671  | 69.392 | ng    | 98       |
| 78) Pyrene                  | 12.73 | 202  | 1351491  | 68.545 | ng    | 100      |
| 81) Benzo(a)anthracene      | 13.92 | 228  | 961465   | 56.316 | ng    | 97       |
| 83) Chrysene                | 13.95 | 228  | 853060   | 49.343 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.79 | 276  | 620688   | 32.887 | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 14.96 | 252  | 1293020m | 66.739 | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.98 | 252  | 307583m  | 17.337 | ng    |          |
| 90) Benzo(a)pyrene          | 15.31 | 252  | 816485   | 49.578 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene  | 16.79 | 278  | 170094m  | 10.827 | ng    |          |
| 92) Benzo(a,h,i)perylene    | 17.22 | 276  | 561127   | 36.334 | ng    | 98       |

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

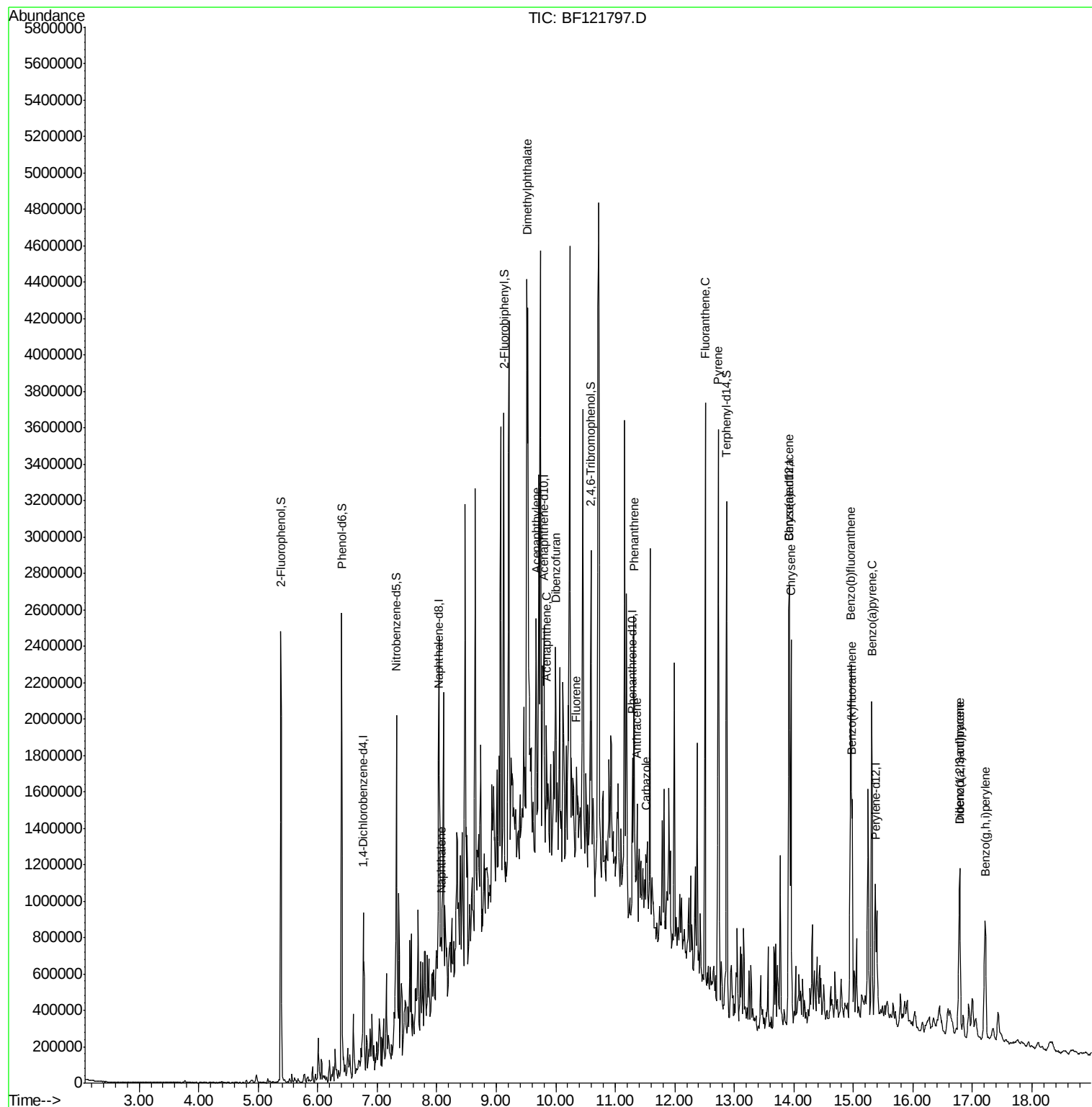
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\  
Data File : BF121797.D  
Acq On : 2 Oct 2020 16:41  
Operator : JU/CG  
Sample : L4213-12  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

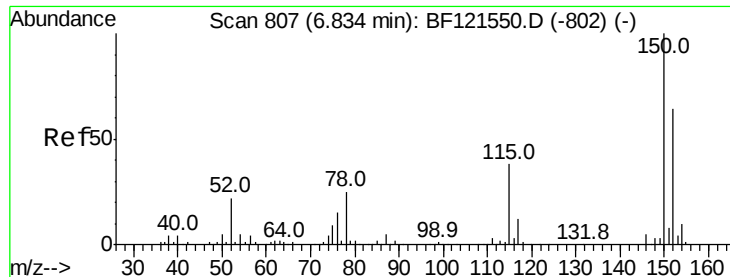
Instrument :  
BNA\_F  
ClientSampleID :  
B-17(13-15)

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Quant Time: Oct 02 17:34:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 01 14:29:14 2020  
Response via : Initial Calibration





#1

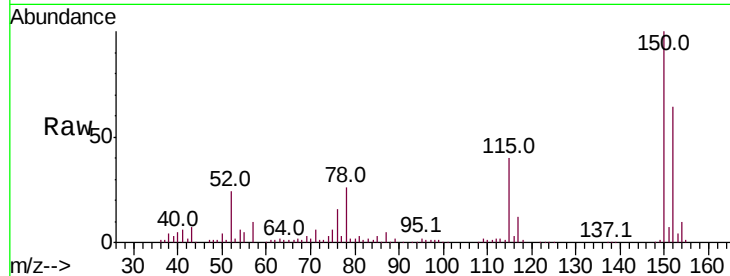
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 125.3 | 187.9 |
| 115     | 62.6  | 51.9  | 77.9  |

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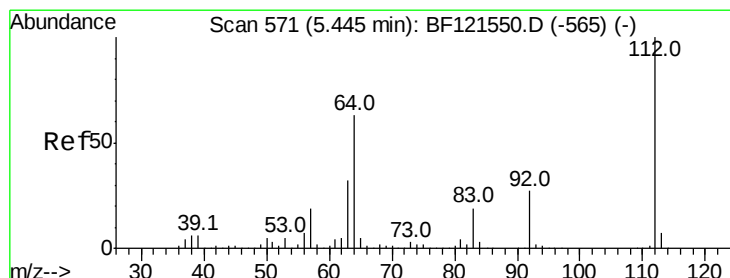
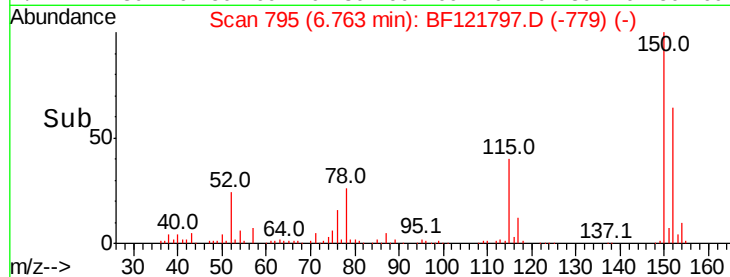
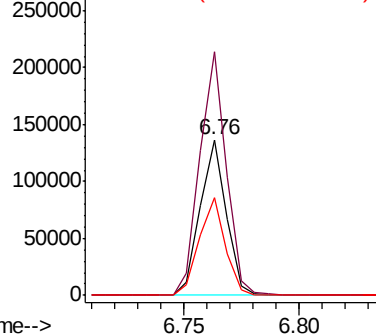


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

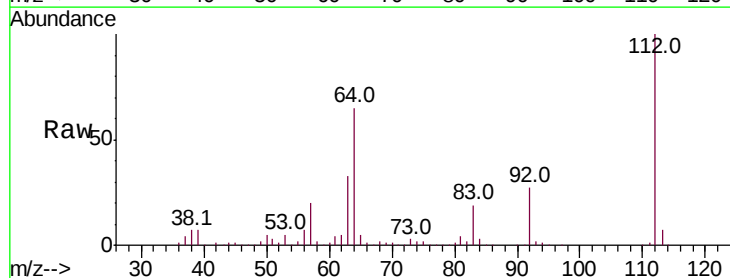
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 94.793 ng  
RT: 5.38 min Scan# 560  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.2  | 50.4  | 75.6  |
| 63      | 32.5  | 25.8  | 38.6  |

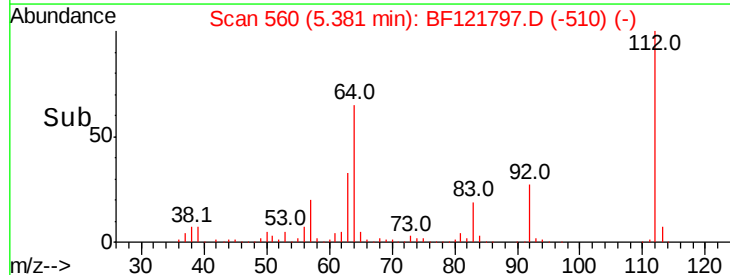
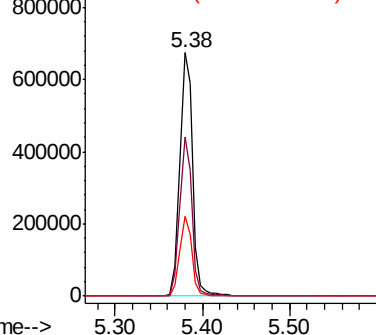


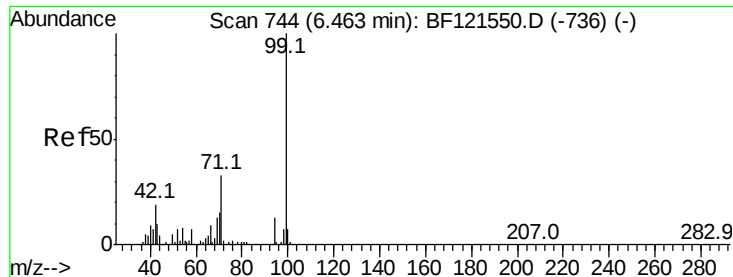
Abundance

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: 90.291 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121797.D

Acq: 2 Oct 2020 16:41

Instrument :

BNA\_F

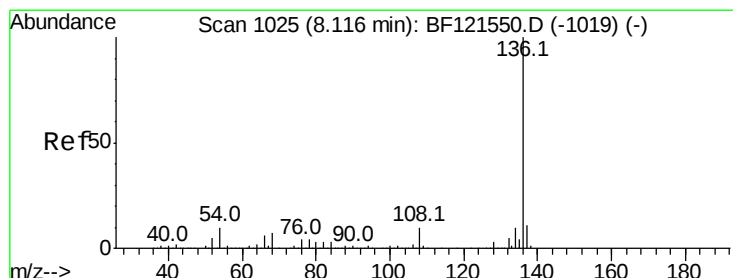
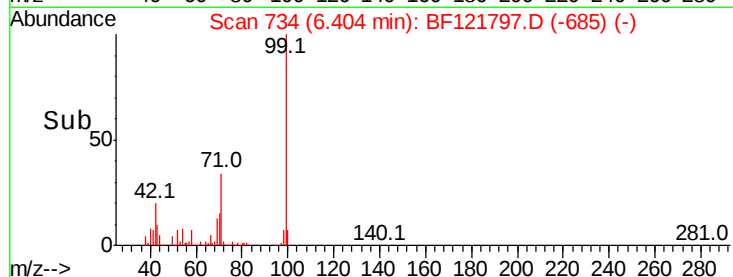
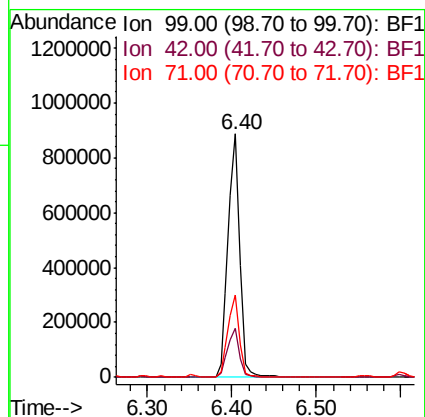
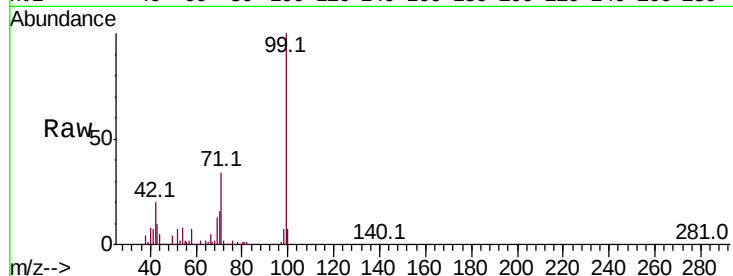
ClientSampleId :

B-17(13-15)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 859176 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.1  | 15.9  | 23.9   |
| 71        | 34.0  | 27.1  | 40.7   |

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#21

Naphthalene-d8

Concen: 20.000 ng

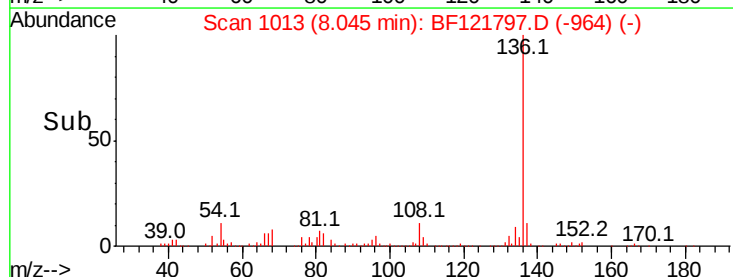
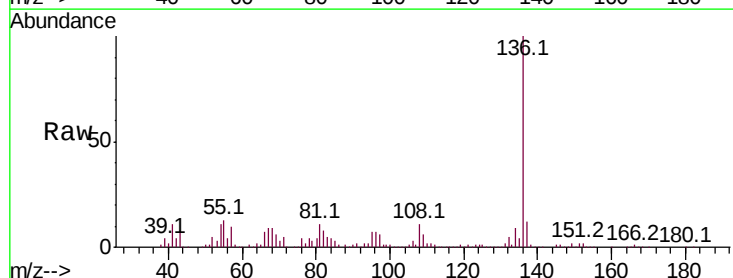
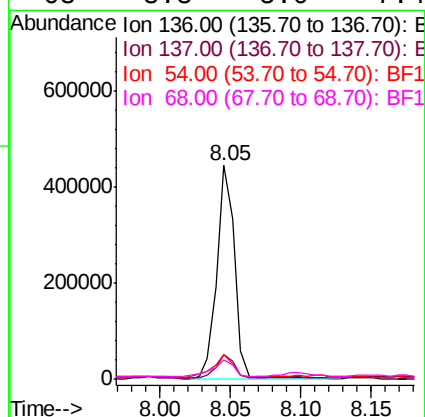
RT: 8.05 min Scan# 1013

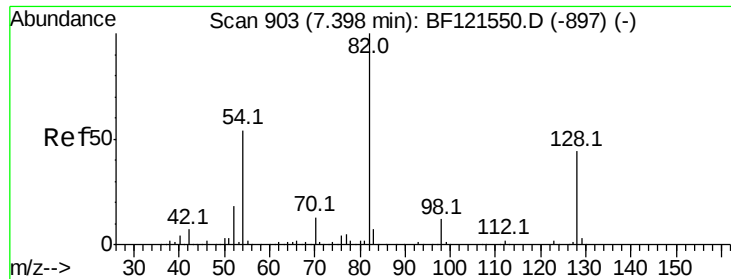
Delta R.T. -0.01 min

Lab File: BF121797.D

Acq: 2 Oct 2020 16:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 384625 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.7  | 8.6   | 13.0   |
| 54        | 11.4  | 7.1   | 10.7#  |
| 68        | 8.8   | 5.0   | 7.4#   |





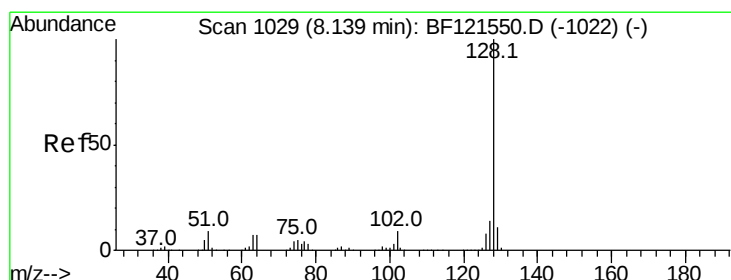
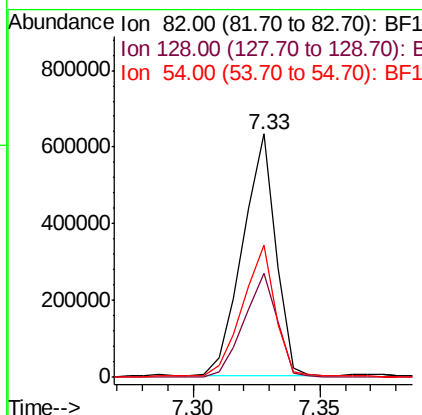
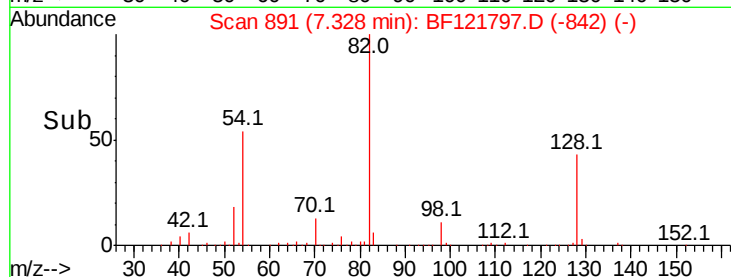
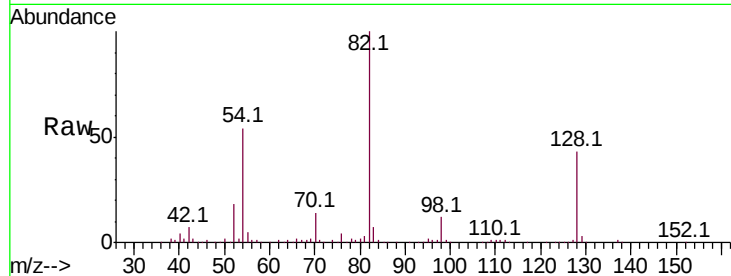
#23  
Nitrobenzene-d5  
Concen: 79.964 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 42.5  | 35.0 | 52.4  |       |
| 54      | 54.1  | 43.9 | 65.9  |       |

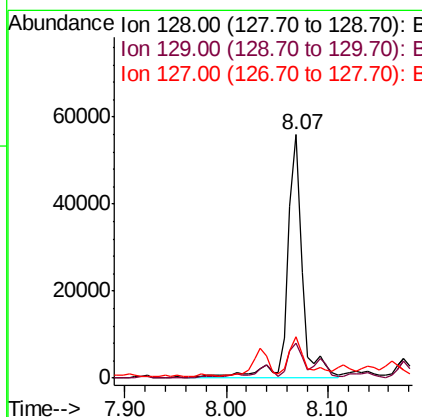
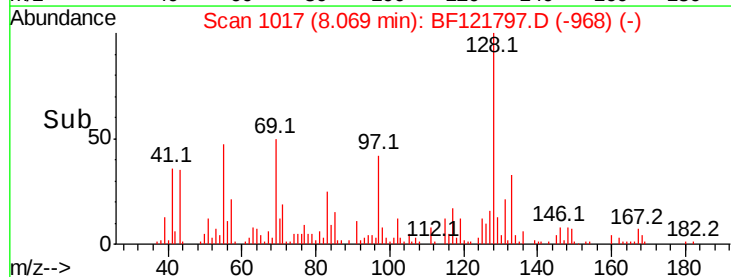
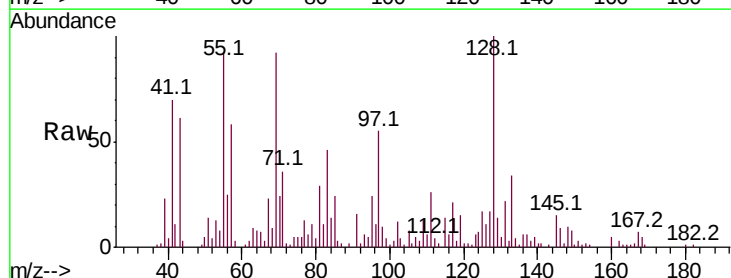
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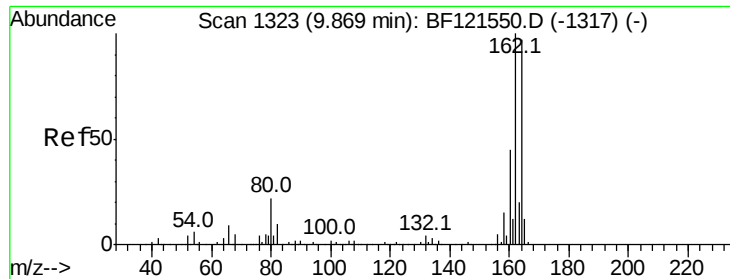
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#31  
Naphthalene  
Concen: 2.844 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 14.1  | 8.7  | 13.1# |       |
| 127     | 17.1  | 10.8 | 16.2# |       |





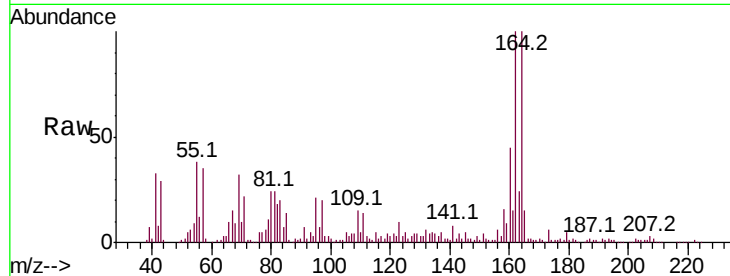
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 100.3 | 83.2 | 124.8 |       |
| 160     | 44.8  | 37.5 | 56.3  |       |

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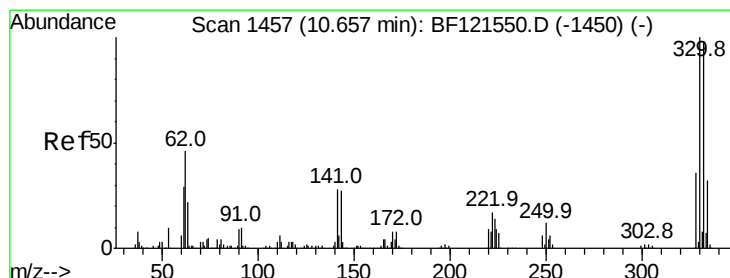
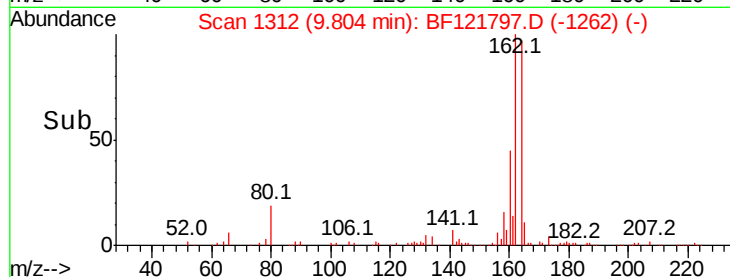
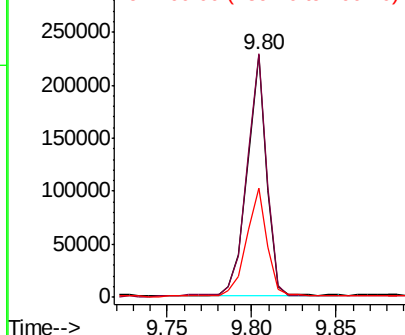


Abundance

Ion 164.00 (163.70 to 164.70): E

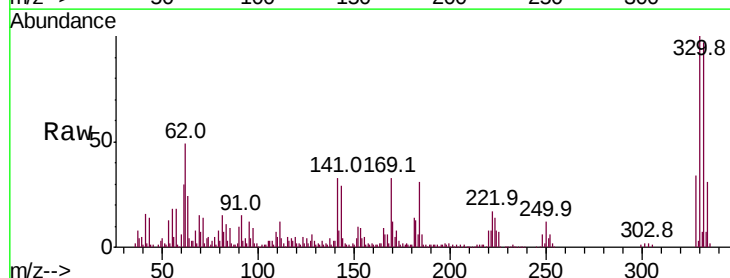
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42  
2,4,6-Tribromophenol  
Concen: 99.724 ng  
RT: 10.59 min Scan# 1446  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.9  | 77.3 | 115.9 |       |
| 141     | 28.7  | 22.3 | 33.5  |       |

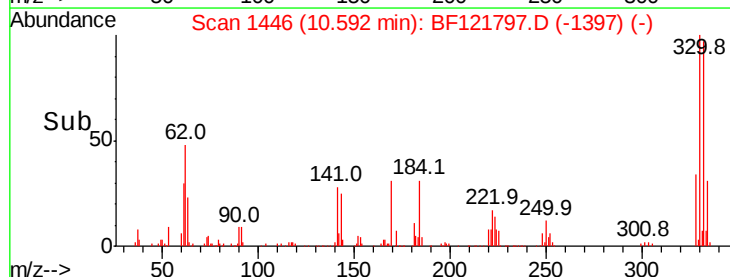
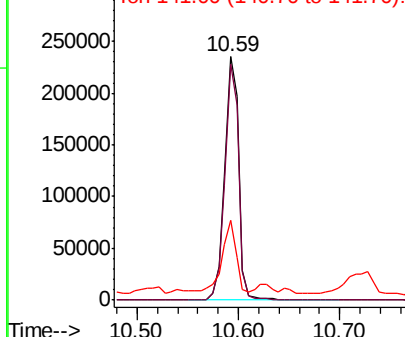


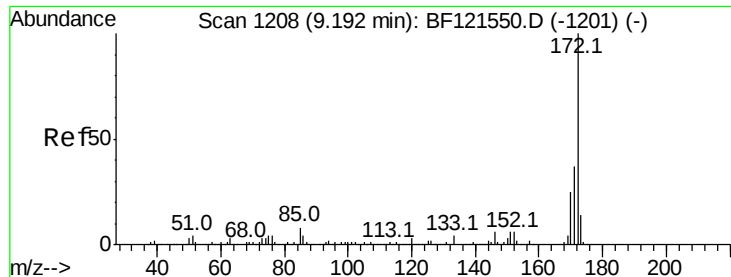
Abundance

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





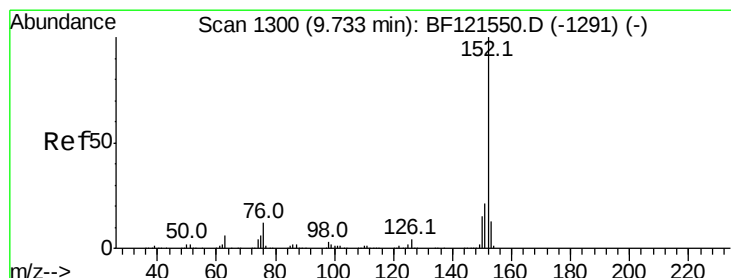
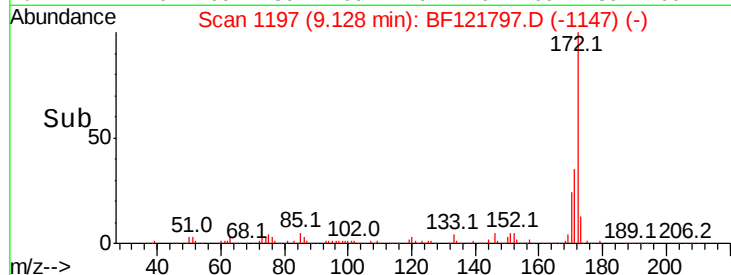
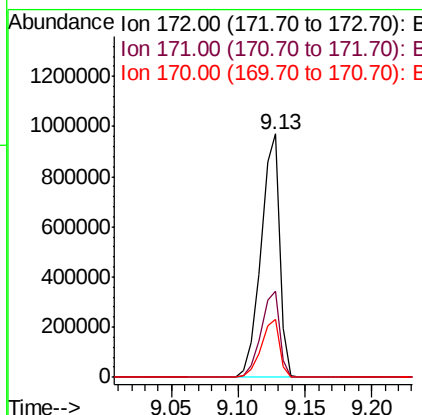
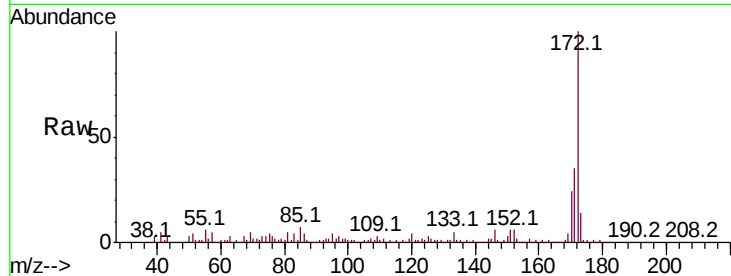
#45  
2-Fluorobiphenyl  
Concen: 77.430 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.1  | 43.7  |
| 170     | 23.6  | 19.8  | 29.6  |

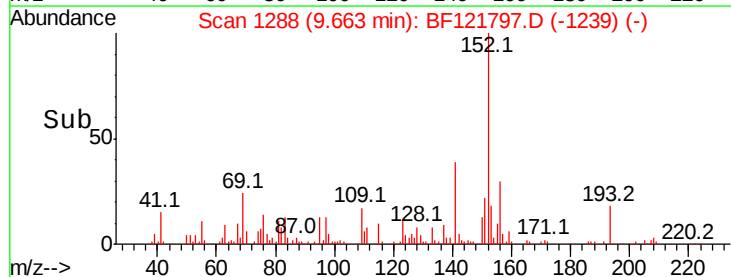
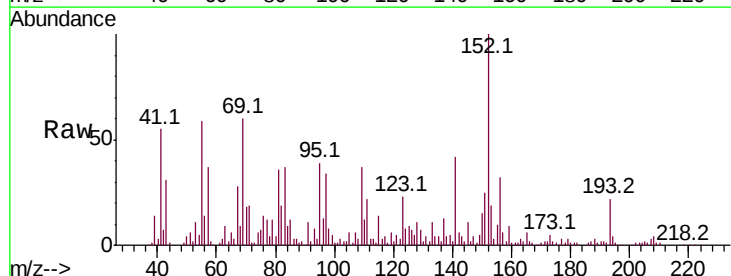
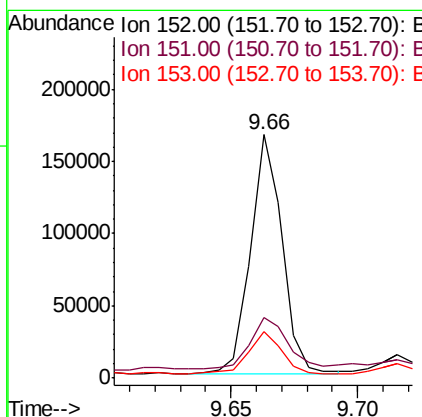
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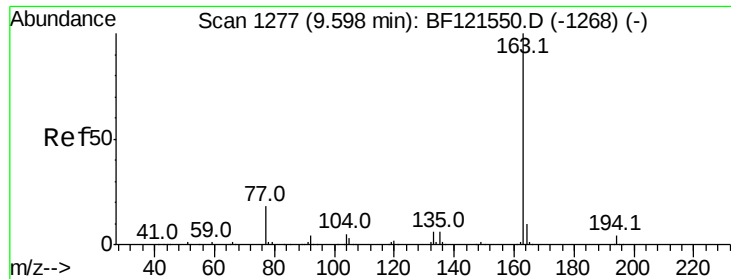
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#49  
Acenaphthylene  
Concen: 8.244 ng  
RT: 9.66 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 24.7  | 16.4  | 24.6# |
| 153     | 18.9  | 10.6  | 15.8# |





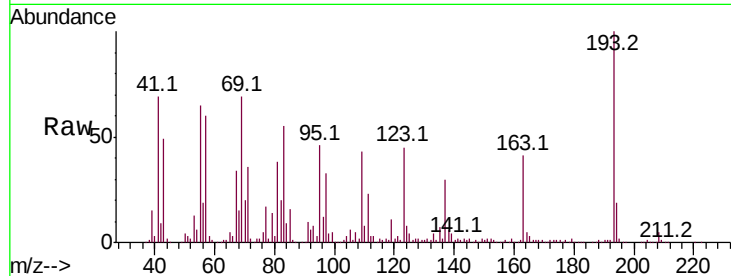
#50  
Dimethylphthalate  
Concen: 9.677 ng  
RT: 9.52 min Scan# 1263  
Delta R.T. -0.02 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampled :  
B-17(13-15)

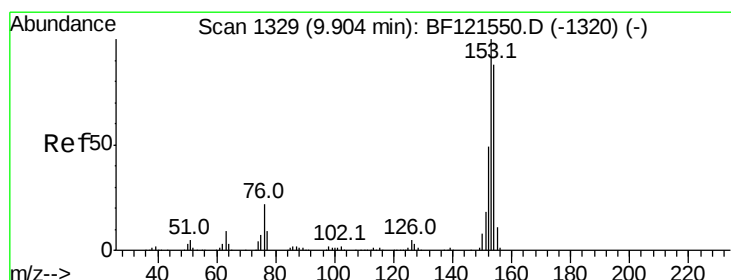
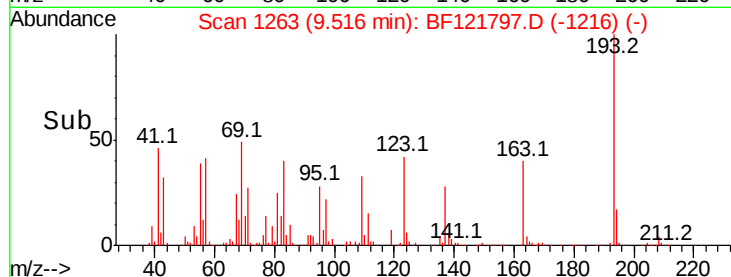
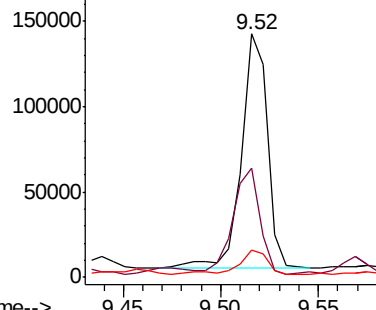
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 127101 |       |       |
| 194     | 44.8  | 3.3    | 4.9#  |       |
| 164     | 11.3  | 8.2    | 12.4  |       |

Manual Integrations  
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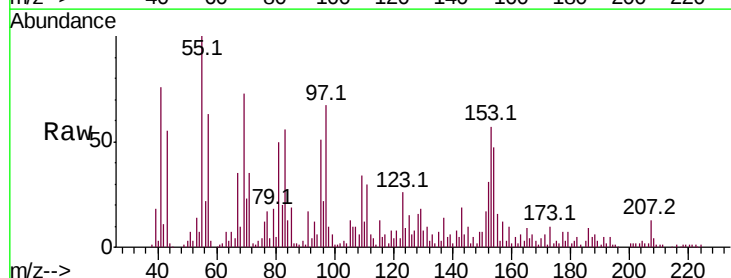


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

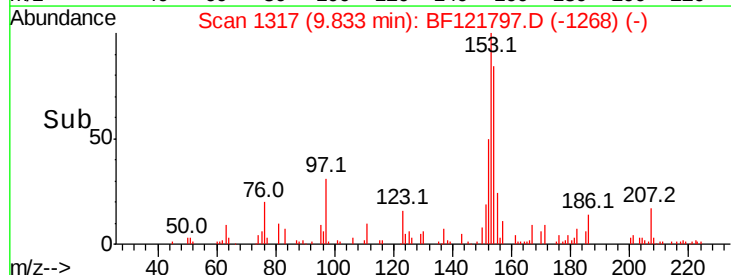
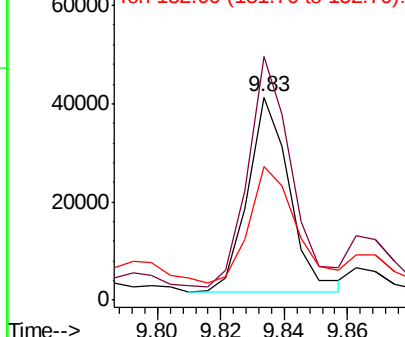


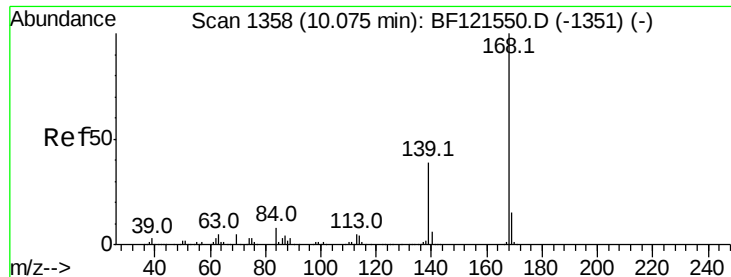
#52  
Acenaphthene  
Concen: 3.275 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 36336 |       |       |
| 153     | 120.1 | 89.8  | 134.8 |       |
| 152     | 65.6  | 43.2  | 64.8# |       |



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





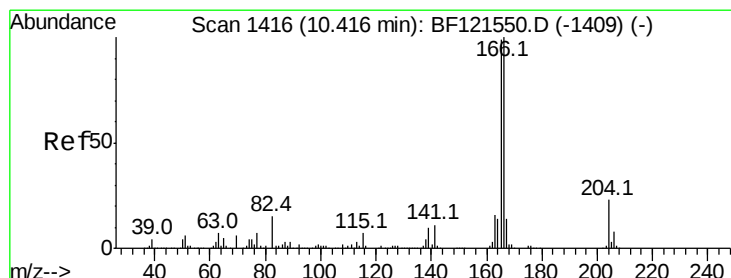
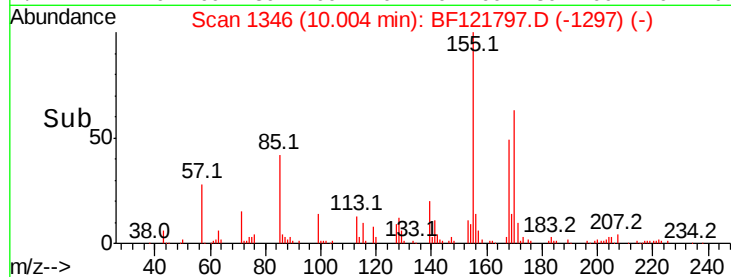
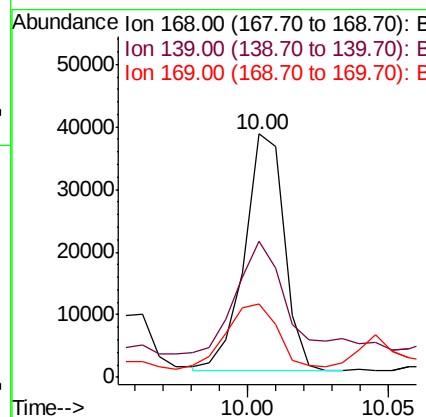
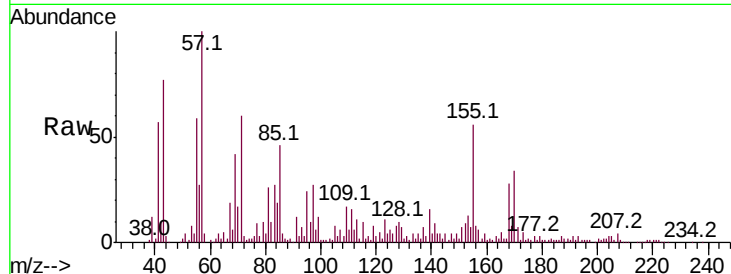
#55  
Dibenzenofuran  
Concen: 2.377 ng  
RT: 10.00 min Scan# 1346  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampled :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 56.0  | 31.0  | 46.6# |
| 169     | 29.9  | 11.3  | 16.9# |

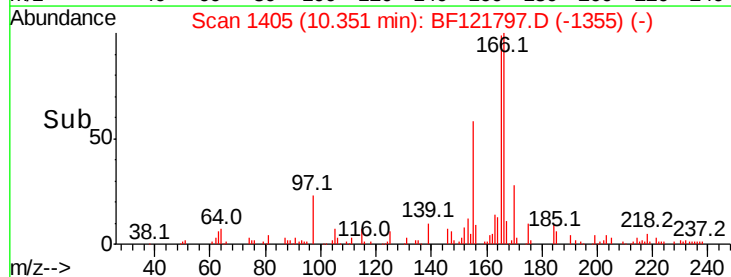
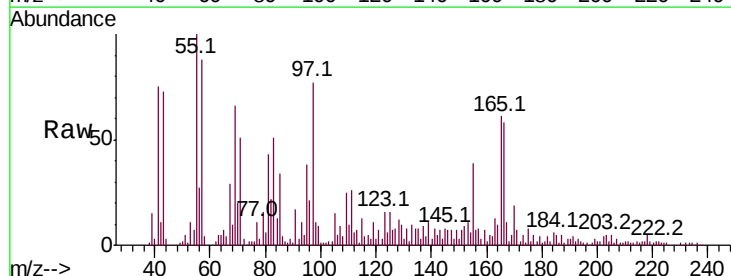
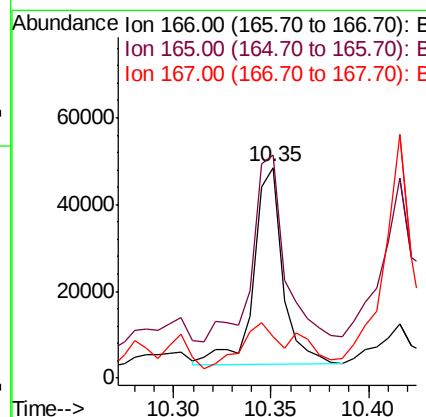
Manual Integrations  
APPROVED

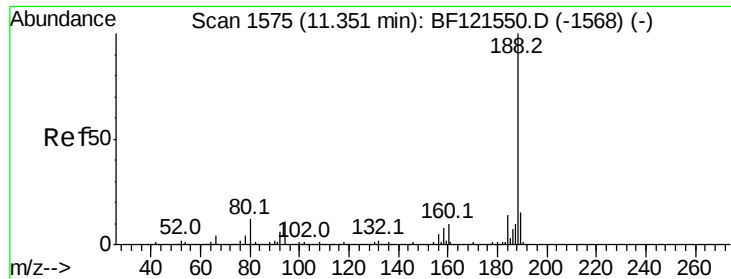
mohammad  
10/5/2020 10:27:29 AM



#58  
Fluorene  
Concen: 3.975 ng  
RT: 10.35 min Scan# 1405  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 105.5 | 79.1  | 118.7 |
| 167     | 19.8  | 11.0  | 16.6# |





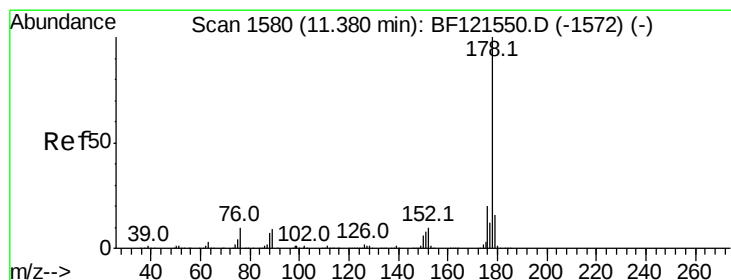
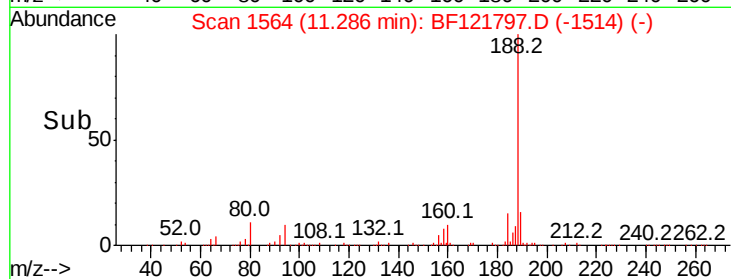
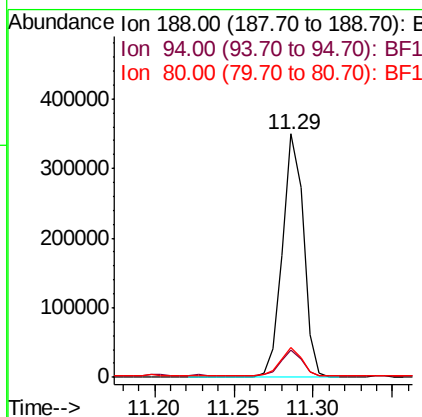
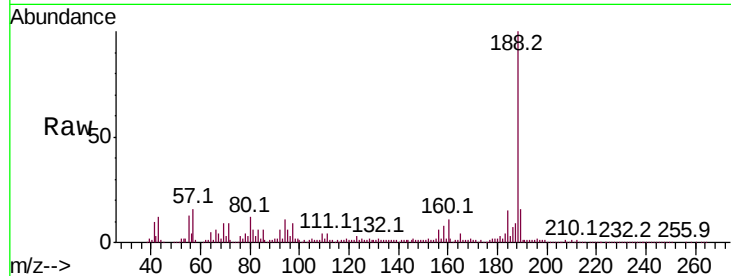
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.29 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 11.3  | 8.3        | 12.5  |
| 80      | 12.2  | 9.1        | 13.7  |

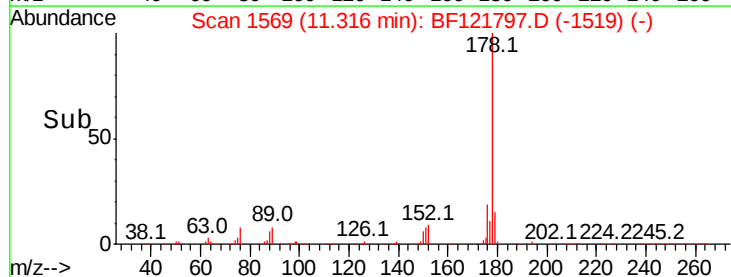
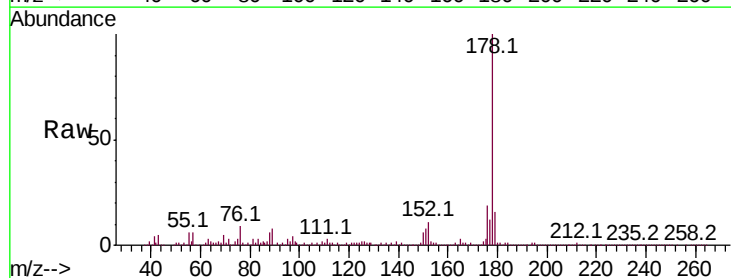
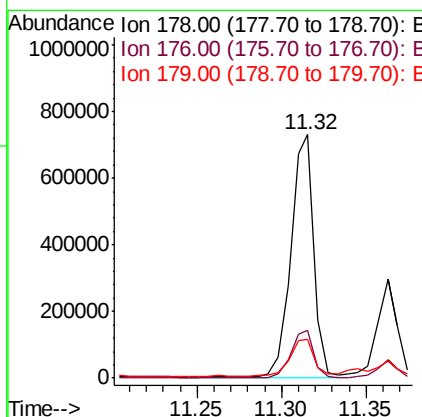
Manual Integrations  
APPROVED

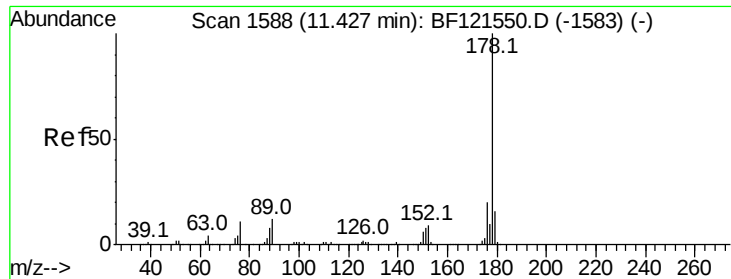
mohammad  
10/5/2020 10:27:29 AM



#71  
Phenanthrene  
Concen: 39.366 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 19.5  | 15.9       | 23.9  |
| 179     | 16.1  | 12.2       | 18.4  |





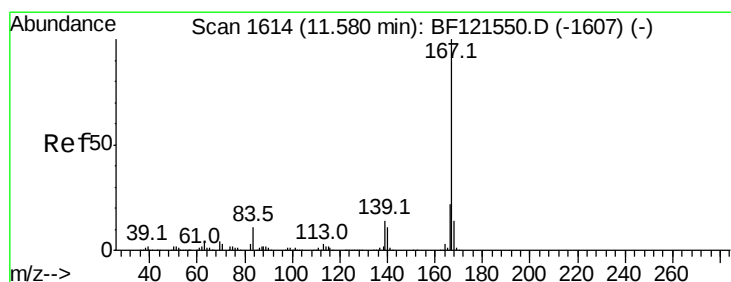
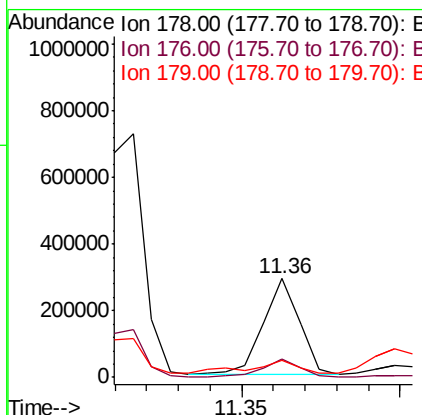
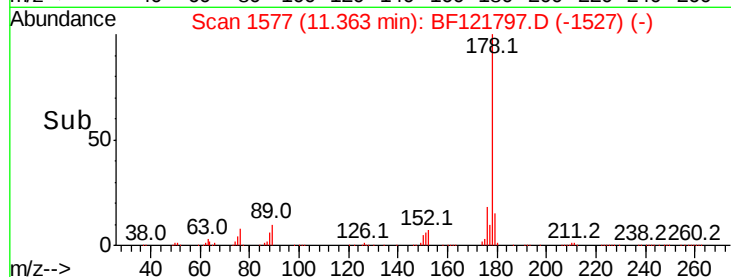
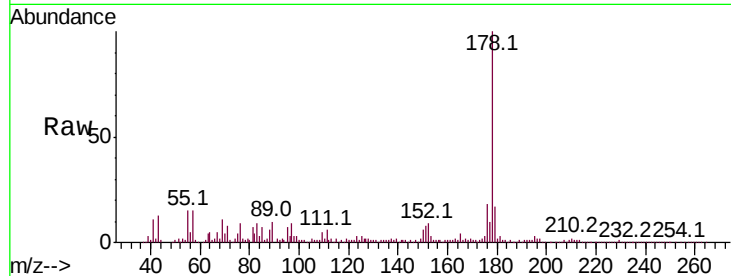
#72  
 Anthracene  
 Concen: 12.771 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF121797.D  
 Acq: 2 Oct 2020 16:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.7  | 23.5  |
| 179     | 16.8  | 12.7  | 19.1  |

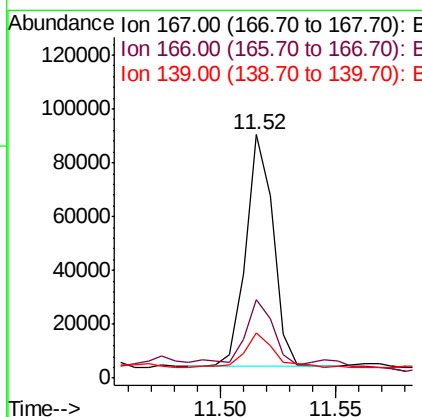
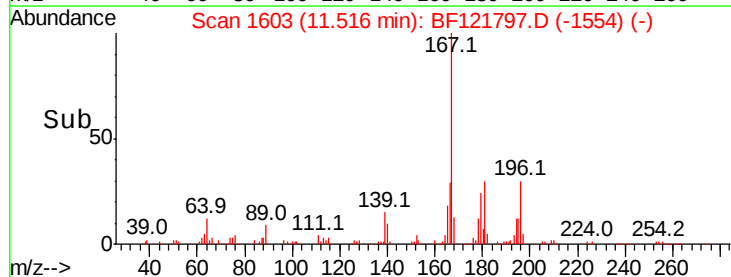
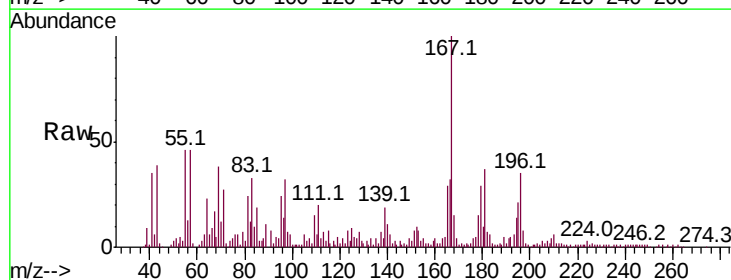
Manual Integrations  
 APPROVED

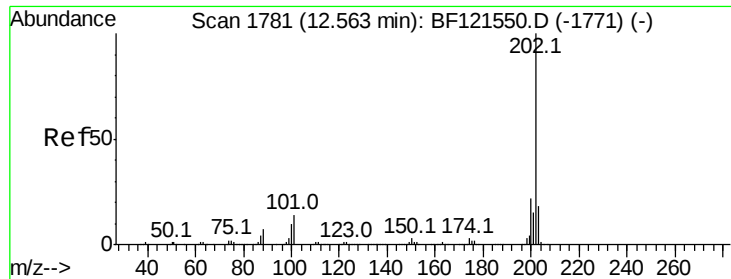
mohammad  
 10/5/2020 10:27:29 AM



#73  
 Carbazole  
 Concen: 4.360 ng  
 RT: 11.52 min Scan# 1603  
 Delta R.T. -0.01 min  
 Lab File: BF121797.D  
 Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 32.0  | 17.8  | 26.6# |
| 139     | 18.7  | 10.8  | 16.2# |





#75

Fluoranthene

Concen: 69.392 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BF121797.D

Acq: 2 Oct 2020 16:41

Instrument :

BNA\_F

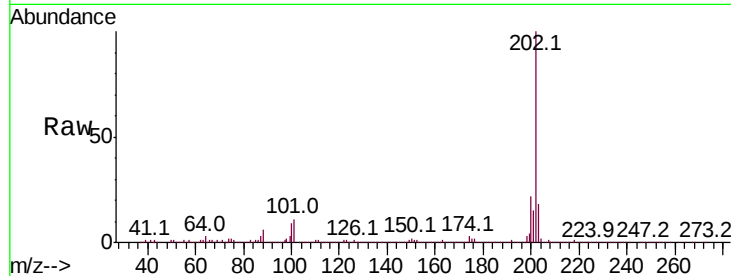
ClientSampleId :

B-17(13-15)

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1297671 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 11.4  | 0.0   | 33.4    |
| 203       | 17.7  | 0.0   | 37.9    |

Manual Integrations  
APPROVED

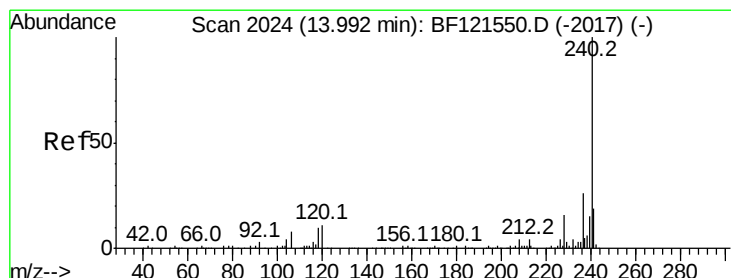
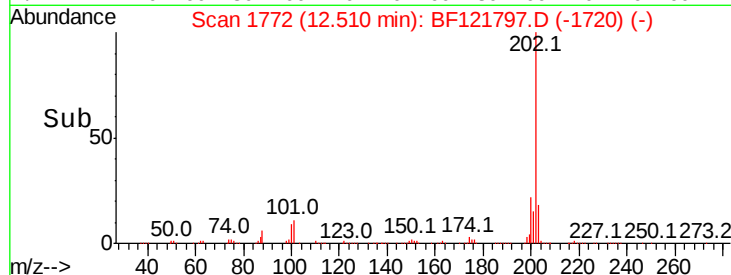
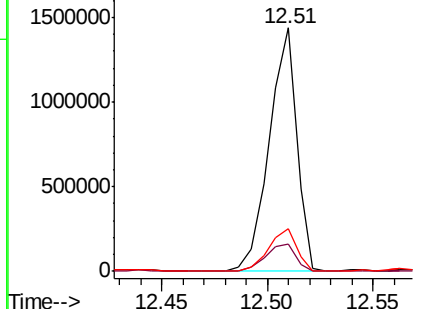
mohammad  
10/5/2020 10:27:29 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121797.D

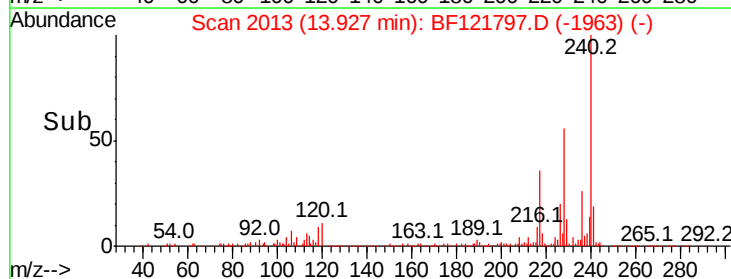
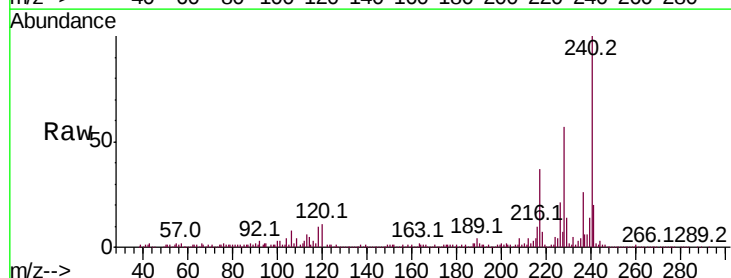
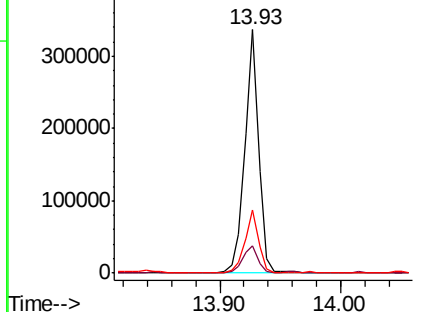
Acq: 2 Oct 2020 16:41

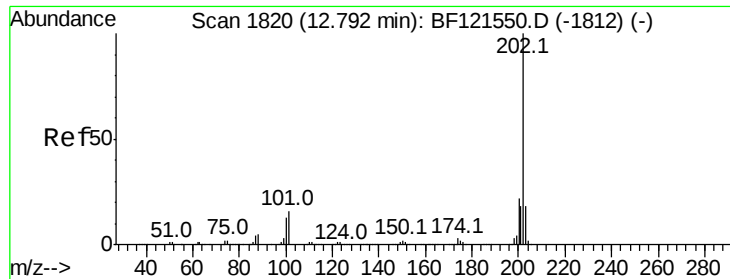
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 269859 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.4  | 9.2   | 13.8   |
| 236       | 26.1  | 20.9  | 31.3   |

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





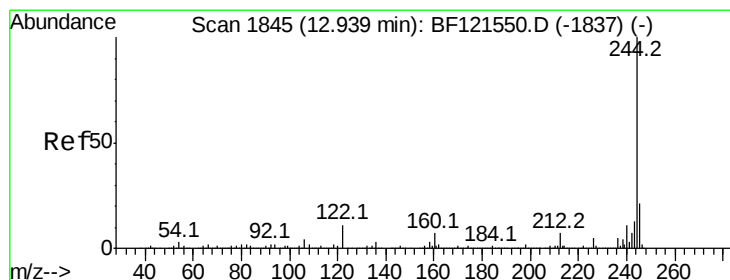
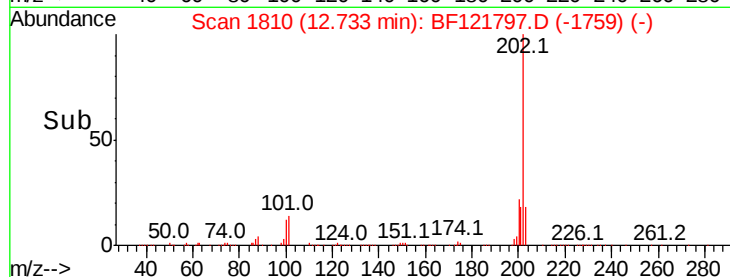
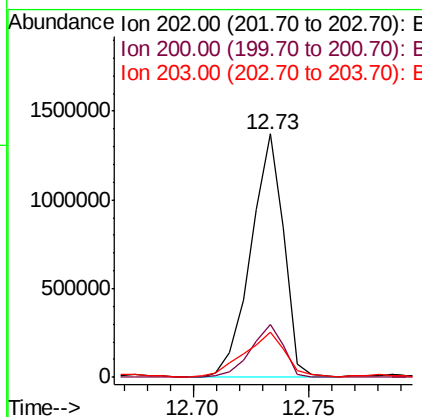
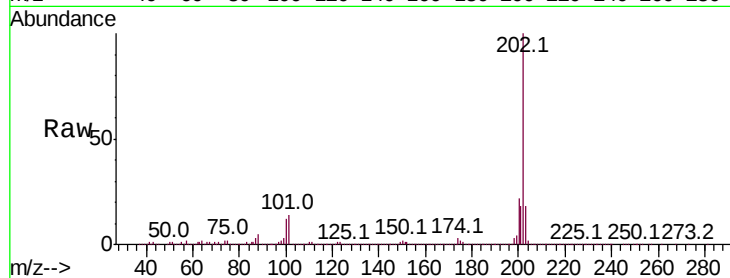
#78  
Pvrene  
Concen: 68.545 ng  
RT: 12.73 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.9  | 17.4  | 26.2  |
| 203     | 18.4  | 14.6  | 21.8  |

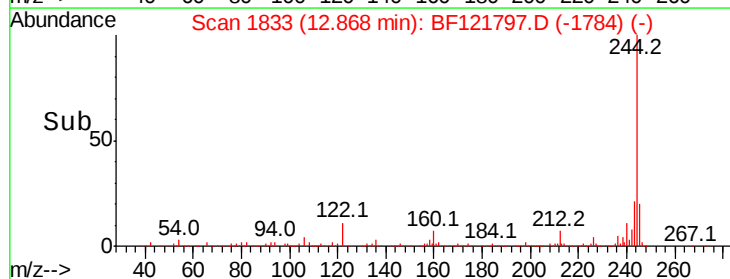
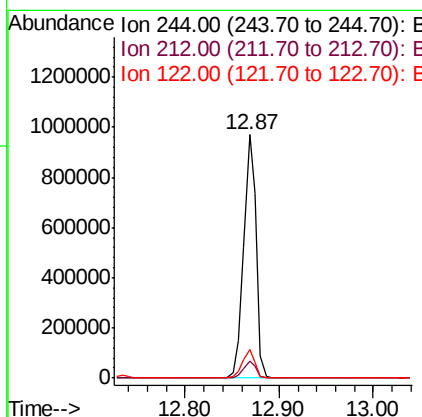
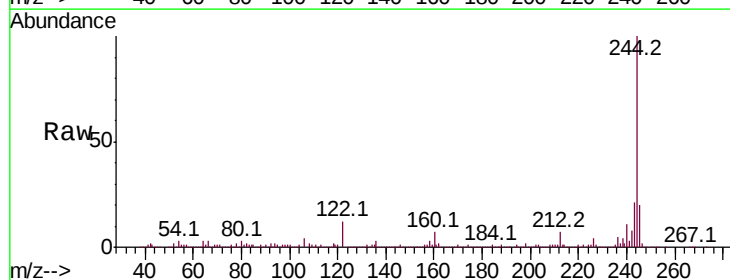
Manual Integrations  
APPROVED

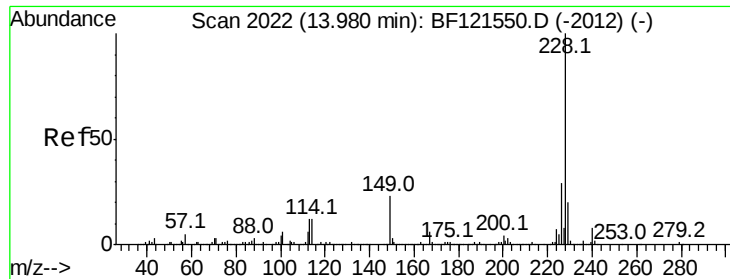
mohammad  
10/5/2020 10:27:29 AM



#79  
Terphenyl-d14  
Concen: 66.445 ng  
RT: 12.87 min Scan# 1833  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.4   | 8.2   |
| 122     | 11.6  | 8.1   | 12.1  |





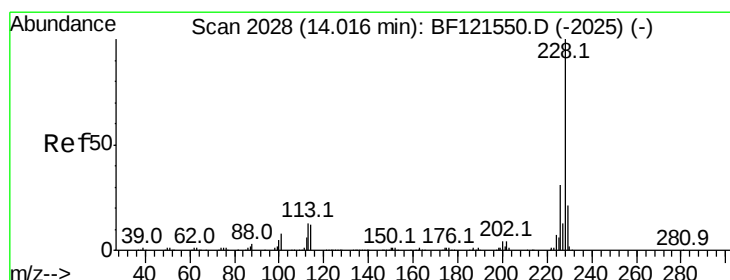
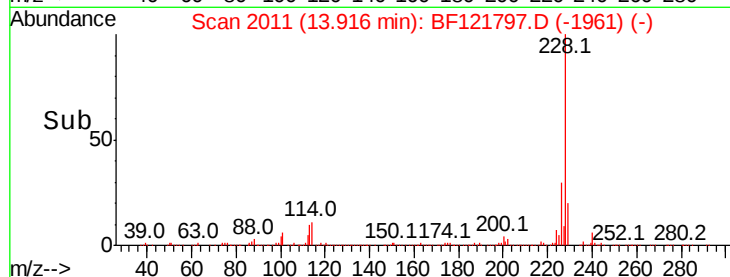
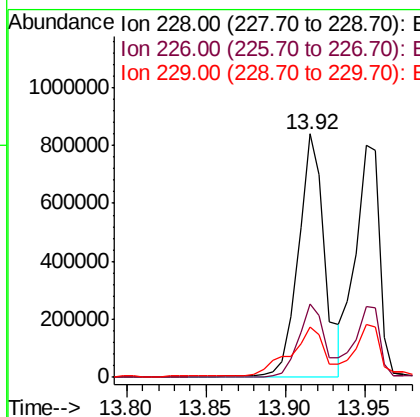
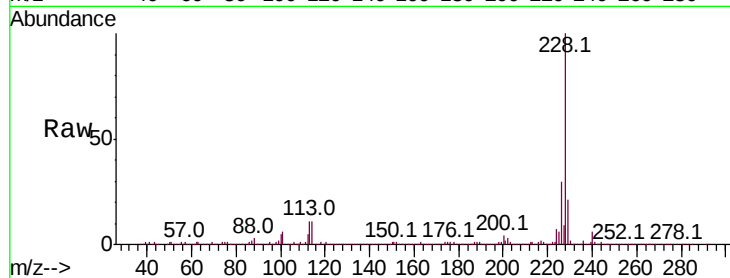
#81  
Benzo(a)anthracene  
Concen: 56.316 ng  
RT: 13.92 min Scan# 2011  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 22.3  | 33.5  |
| 229     | 20.9  | 16.2  | 24.4  |

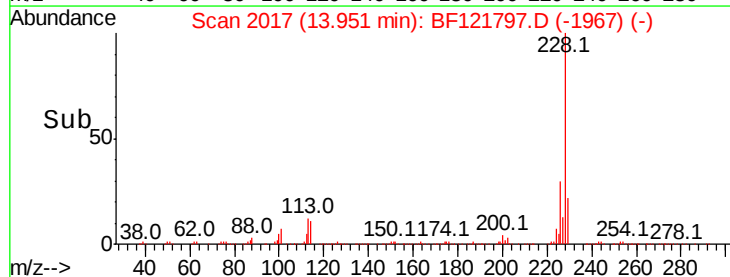
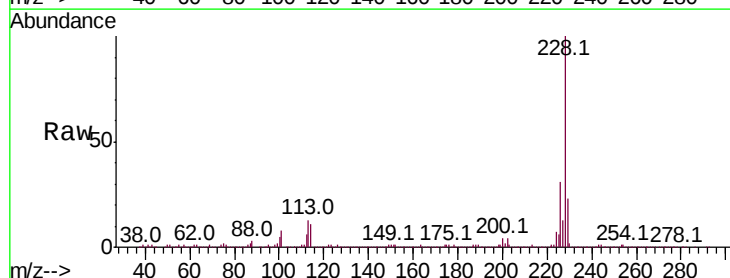
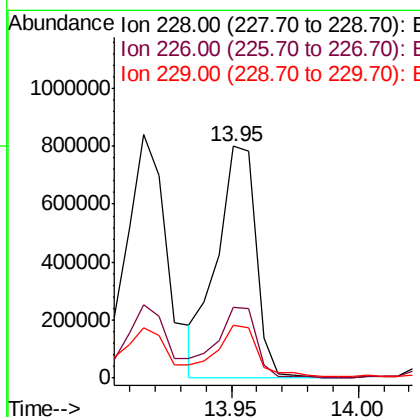
Manual Integrations  
APPROVED

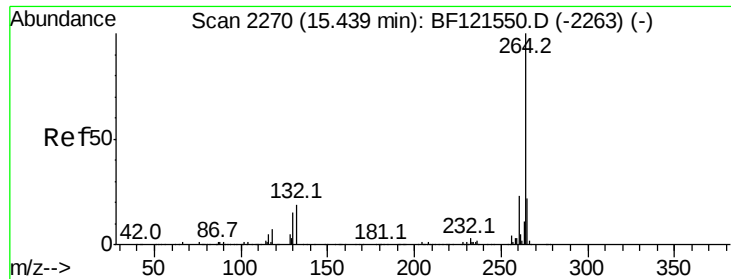
mohammad  
10/5/2020 10:27:29 AM



#83  
Chrysene  
Concen: 49.343 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.6  | 37.0  |
| 229     | 22.6  | 15.9  | 23.9  |





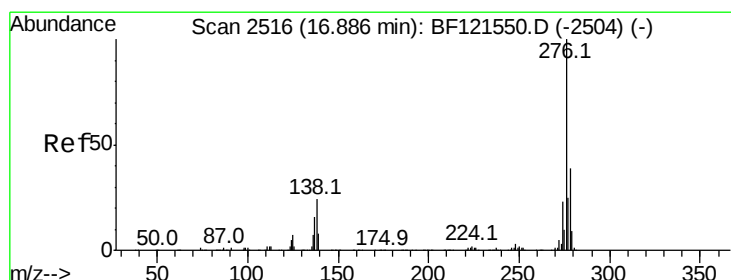
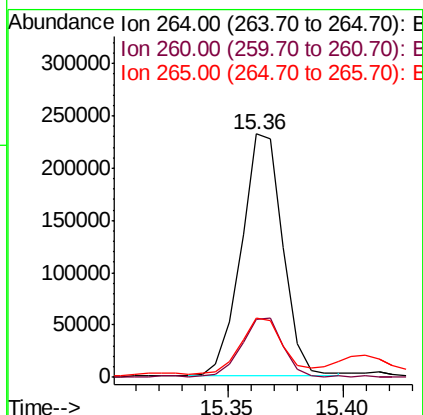
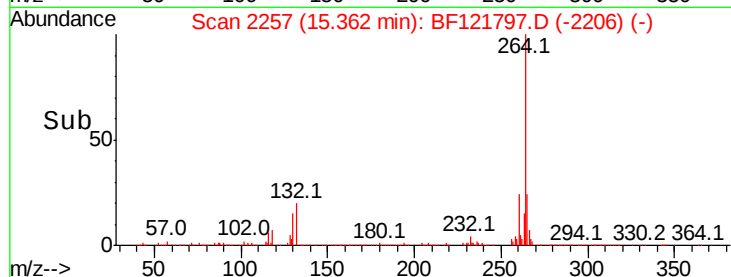
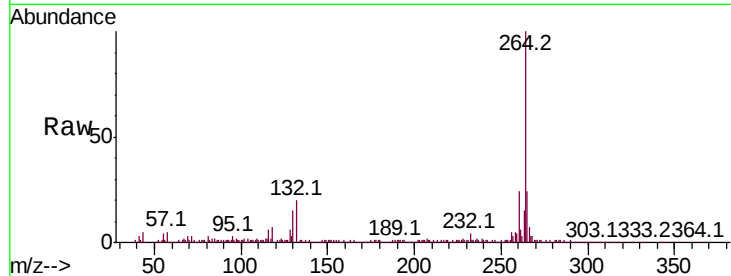
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.36 min Scan# 2257  
Delta R.T. 0.00 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.7  | 28.1  |
| 265     | 24.4  | 17.3  | 25.9  |

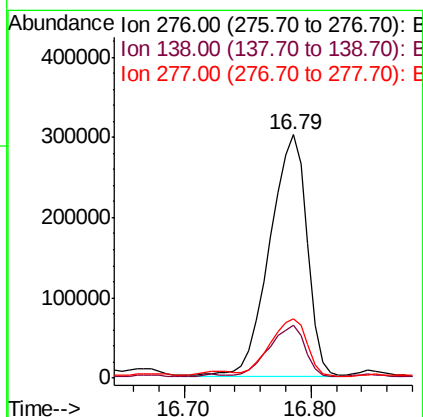
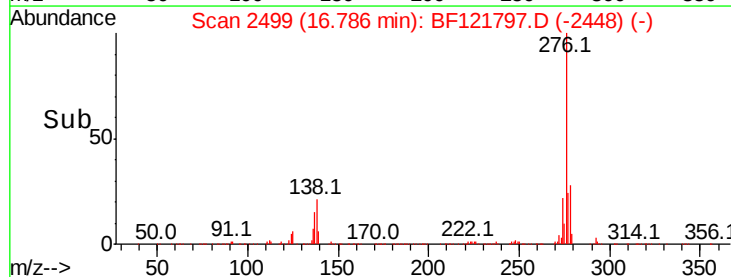
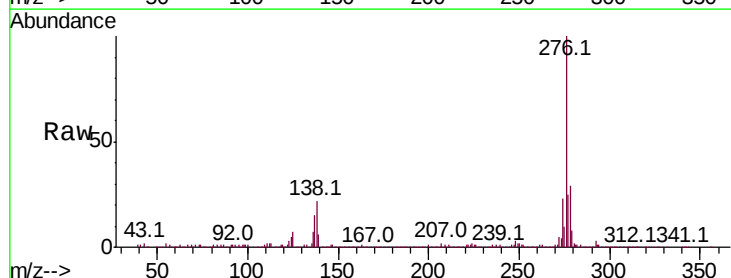
Manual Integrations  
APPROVED

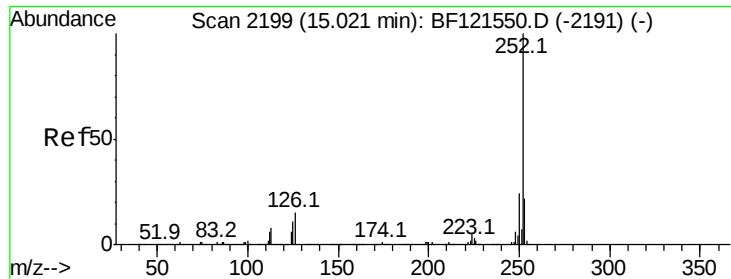
mohammad  
10/5/2020 10:27:29 AM



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 32.887 ng  
RT: 16.79 min Scan# 2499  
Delta R.T. 0.00 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.9  | 19.9  | 29.9  |
| 277     | 24.0  | 20.4  | 30.6  |





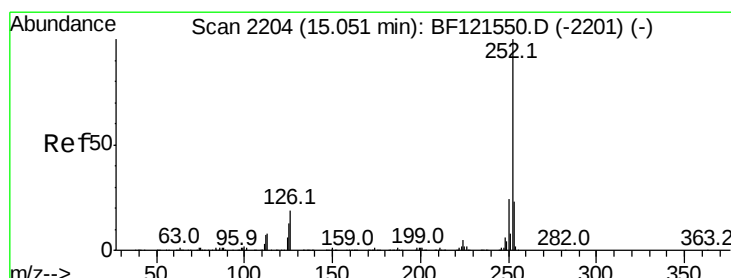
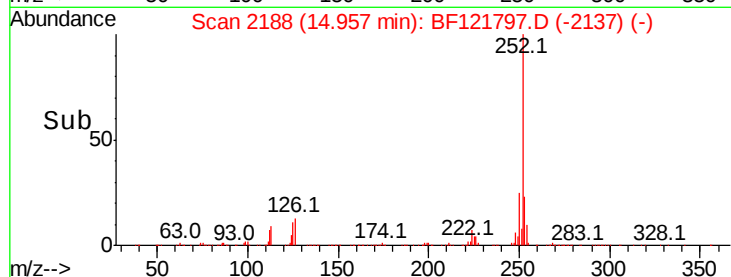
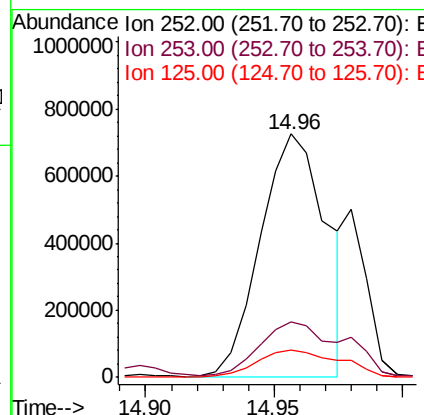
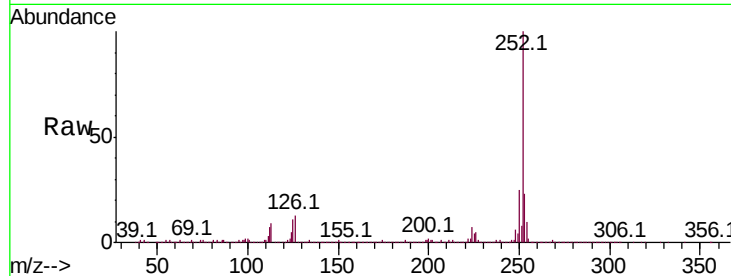
#88  
Benzo(b)fluoranthene  
Concen: 66.739 ng m  
RT: 14.96 min Scan# 2188  
Delta R.T. 0.00 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.2  | 27.2  |
| 125     | 11.1  | 8.0   | 12.0  |

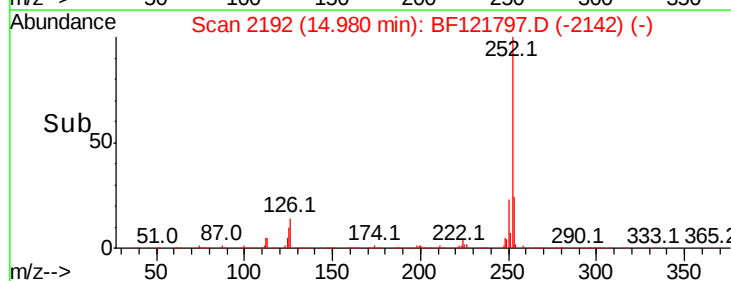
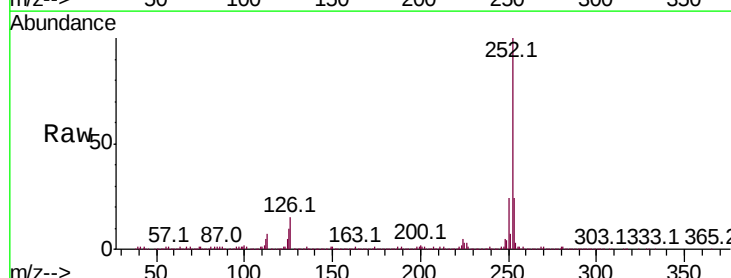
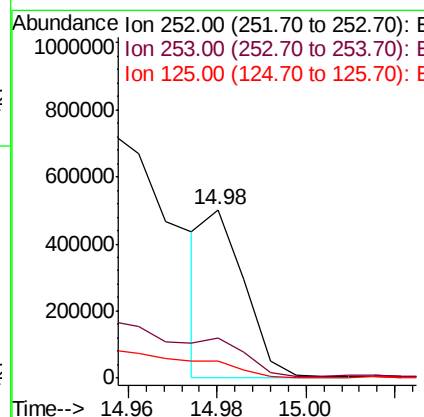
Manual Integrations  
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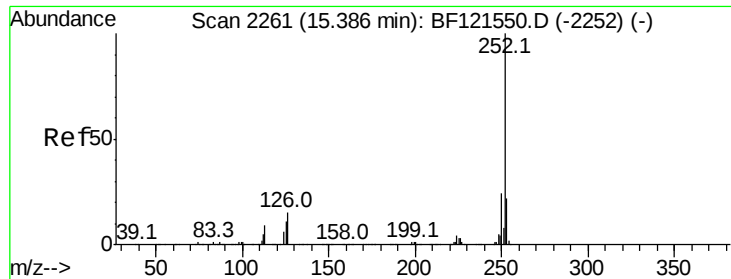
mohammad  
10/5/2020 10:27:29 AM



#89  
Benzo(k)fluoranthene  
Concen: 17.337 ng m  
RT: 14.98 min Scan# 2192  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 17.8  | 26.6  |
| 125     | 10.3  | 7.7   | 11.5  |





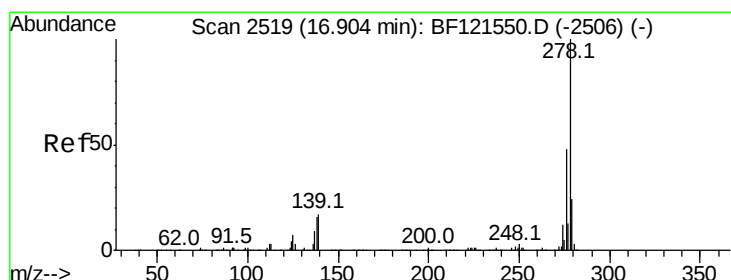
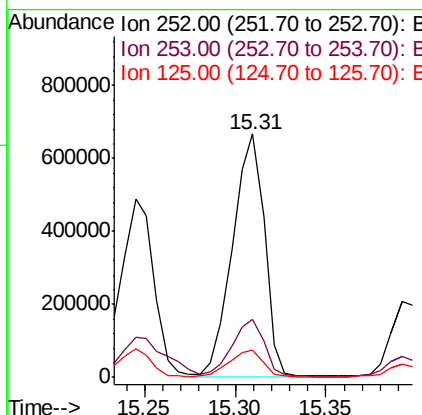
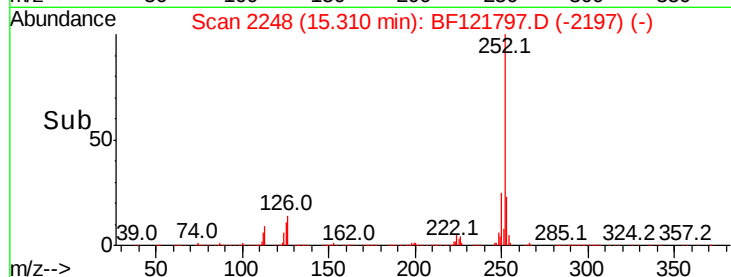
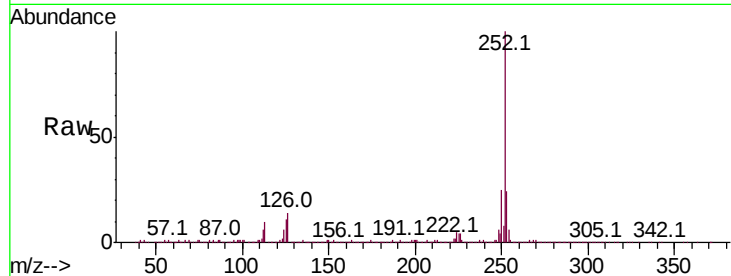
#90  
Benzo(a)pyrene  
Concen: 49.578 ng  
RT: 15.31 min Scan# 2248  
Delta R.T. 0.00 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
B-17(13-15)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 17.3  | 25.9  |
| 125     | 11.3  | 8.6   | 13.0  |

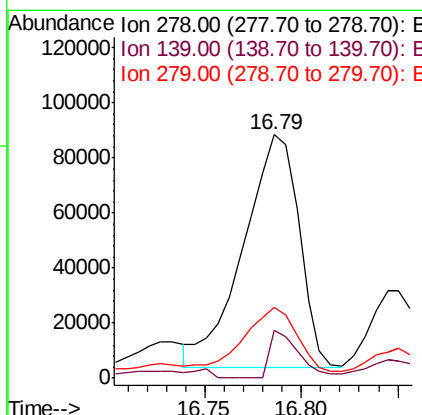
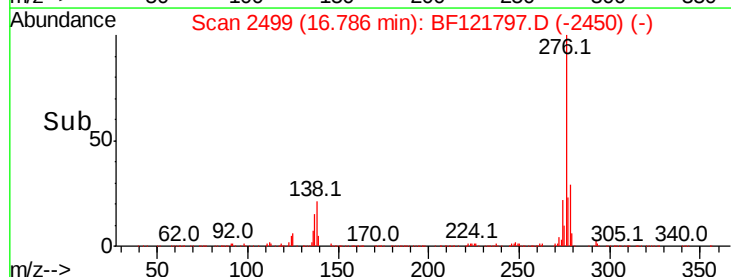
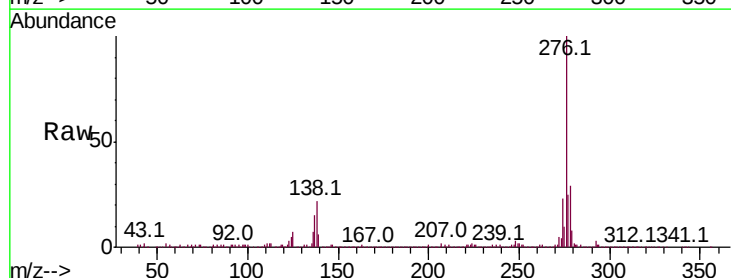
Manual Integrations  
APPROVED

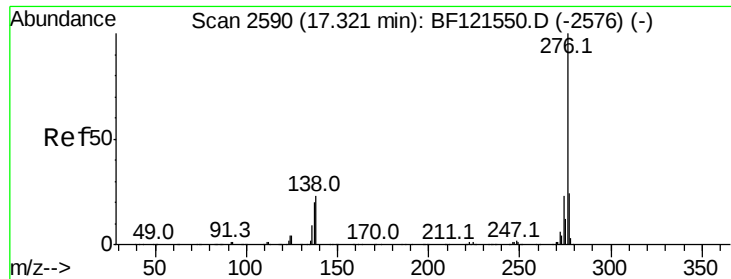
mohammad  
10/5/2020 10:27:29 AM



#91  
Dibenzo(a,h)anthracene  
Concen: 10.827 ng m  
RT: 16.79 min Scan# 2499  
Delta R.T. -0.01 min  
Lab File: BF121797.D  
Acq: 2 Oct 2020 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.4  | 13.0  | 19.4# |
| 279     | 29.0  | 19.0  | 28.4# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 36.334 ng  
 RT: 17.22 min Scan# 2572  
 Delta R.T. 0.01 min  
 Lab File: BF121797.D  
 Acq: 2 Oct 2020 16:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-17(13-15)

|             |       |        |
|-------------|-------|--------|
| Tot Ion:276 | Resp: | 561127 |
| Ion Ratio   | Lower | Upper  |
| 276 100     |       |        |
| 277 23.8    | 19.4  | 29.2   |
| 138 20.8    | 17.8  | 26.6   |

Manual Integrations  
 APPROVED

mohammad  
 10/5/2020 10:27:29 AM

