

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
 Data File : BF121776.D  
 Acq On : 1 Oct 2020 19:47  
 Operator : JU/CG  
 Sample : L4172-09DL 10X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(9-11)DL

Manual Integrations  
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 10/2/2020 12:13:41 PM

Quant Time: Oct 01 20:13:54 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   | 6.77  | 152  | 129780   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 458359   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.81  | 164  | 204114   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.30 | 188  | 336318   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.94 | 240  | 319364   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.38 | 264  | 281016   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 74830    | 8.57   | ng    | 0.00     |
| 7) Phenol-d6                | 6.41  | 99   | 94213    | 8.22   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 53927    | 6.32   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.60 | 330  | 16785    | 6.62   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.13  | 172  | 93929    | 6.97   | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.87 | 244  | 75698    | 4.80   | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.08  | 128  | 227779   | 9.414  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.77  | 142  | 41086    | 2.591  | ng    | 98       |
| 49) Acenaphthylene          | 9.67  | 152  | 49404    | 2.497  | ng    | 98       |
| 52) Acenaphthene            | 9.84  | 154  | 48236    | 3.860  | ng    | 98       |
| 55) Dibenzofuran            | 10.02 | 168  | 79731    | 4.531  | ng    | 97       |
| 58) Fluorene                | 10.36 | 166  | 81566    | 6.061  | ng    | 98       |
| 71) Phenanthrene            | 11.32 | 178  | 722449   | 39.426 | ng    | 100      |
| 72) Anthracene              | 11.37 | 178  | 206810   | 10.937 | ng    | 98       |
| 73) Carbazole               | 11.53 | 167  | 102756   | 6.022  | ng    | 97       |
| 75) Fluoranthene            | 12.51 | 202  | 814144   | 41.621 | ng    | 100      |
| 78) Pyrene                  | 12.74 | 202  | 653928   | 28.025 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.93 | 228  | 382970   | 18.955 | ng    | 99       |
| 83) Chrysene                | 13.96 | 228  | 328190m  | 16.041 | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 16.79 | 276  | 130294   | 7.120  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 14.96 | 252  | 396888m  | 21.127 | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.99 | 252  | 119401m  | 6.941  | ng    |          |
| 90) Benzo(a)pyrene          | 15.32 | 252  | 256425   | 16.058 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene  | 16.80 | 278  | 35178    | 2.309  | ng    | # 83     |
| 92) Benzo(a,h,i)perylene    | 17.22 | 276  | 113113   | 7.554  | ng    | 99       |

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

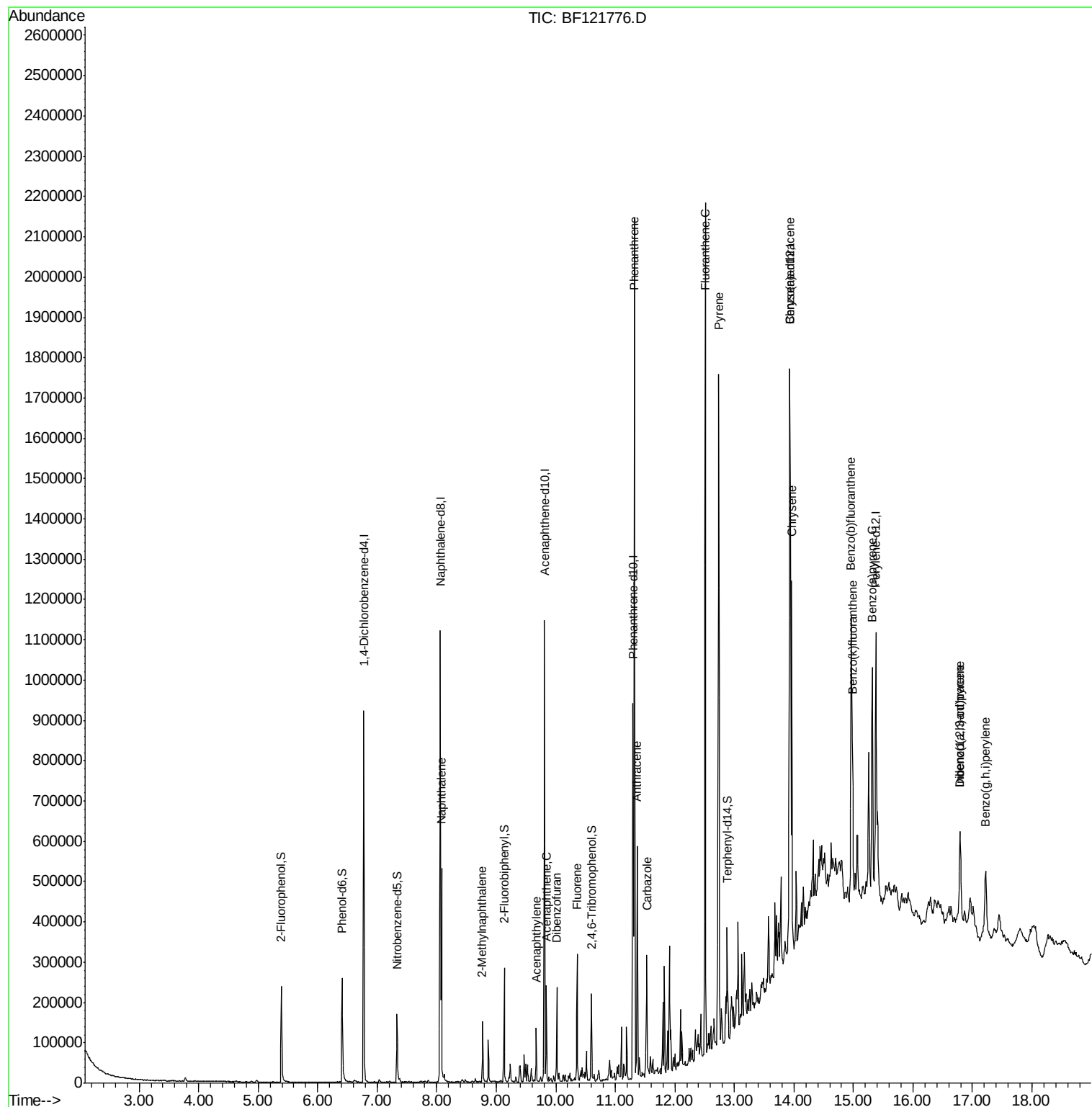
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121776.D  
Acq On : 1 Oct 2020 19:47  
Operator : JU/CG  
Sample : L4172-09DL 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

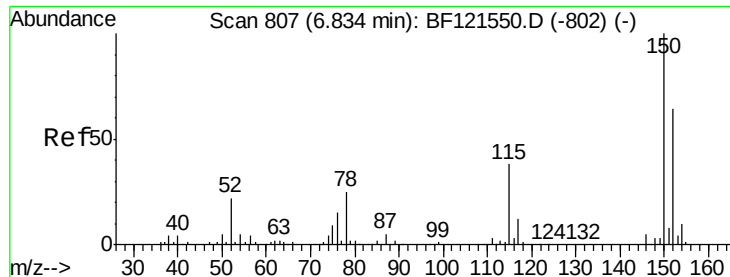
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(9-11)DL

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Quant Time: Oct 01 20:13:54 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

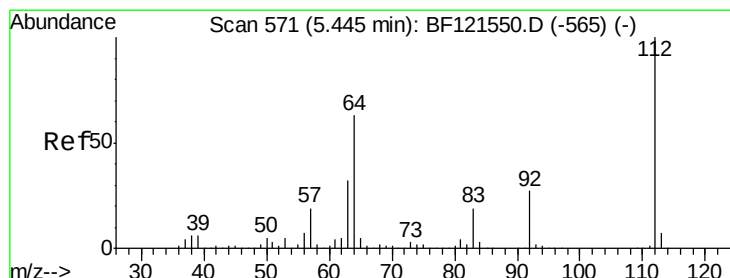
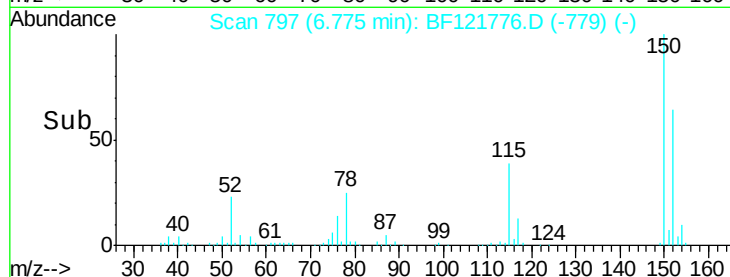
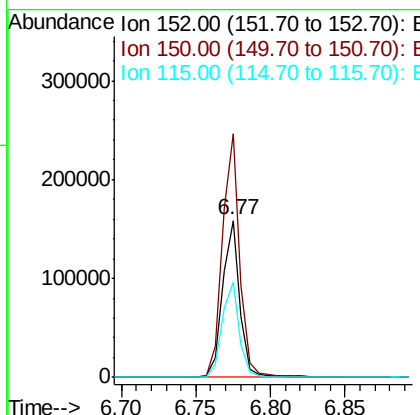
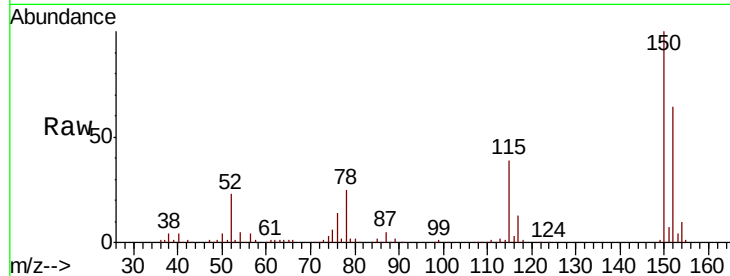
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 125.3 | 187.9 |
| 115     | 60.8  | 51.9  | 77.9  |

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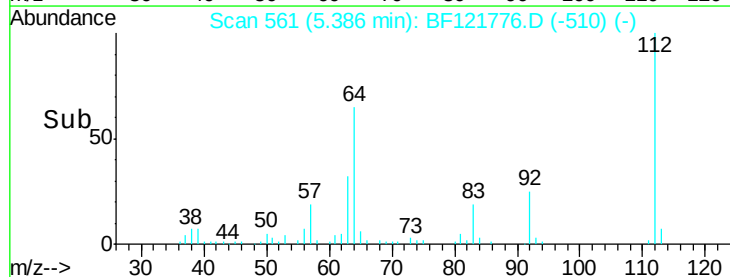
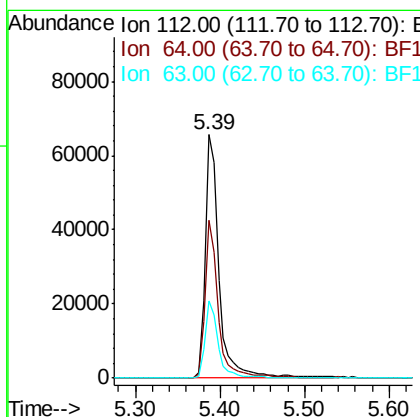
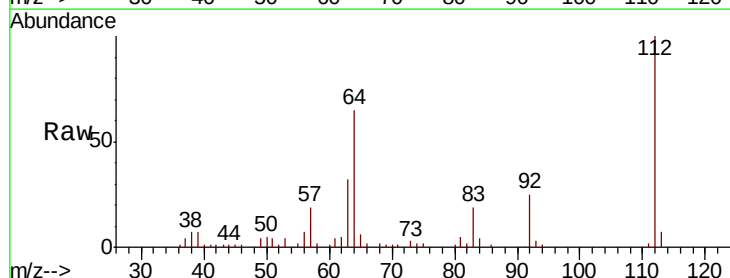
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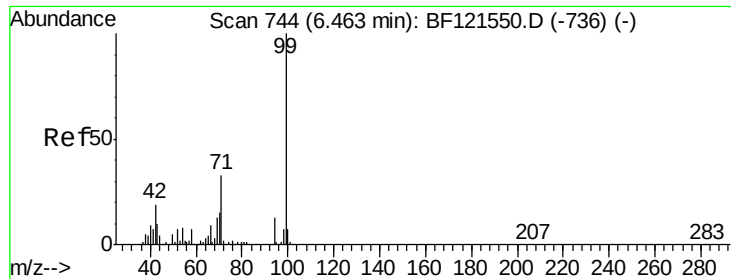


#5

2-Fluorophenol  
Concen: 8.569 ng  
RT: 5.39 min Scan# 561  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.0  | 50.4  | 75.6  |
| 63      | 31.8  | 25.8  | 38.6  |





#7

Phenol-d6

Concen: 8.223 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

Instrument :

BNA\_F

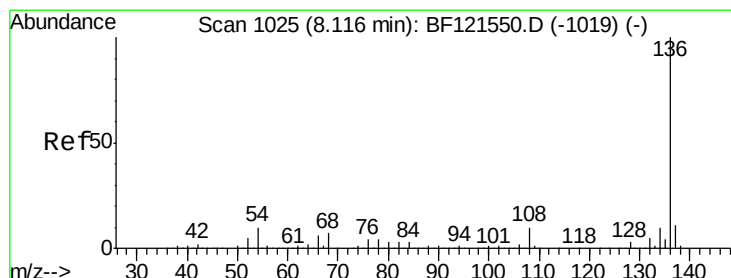
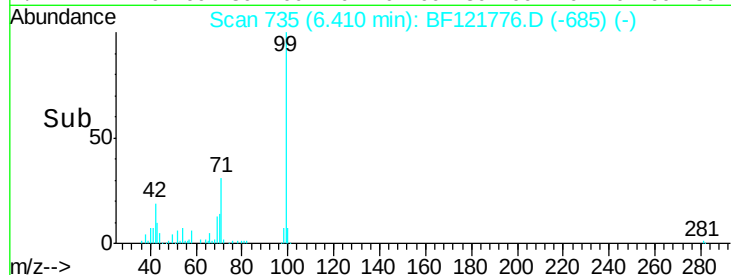
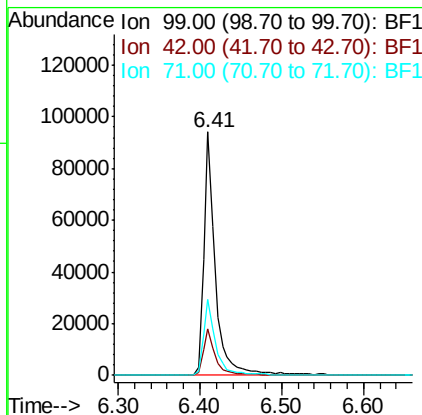
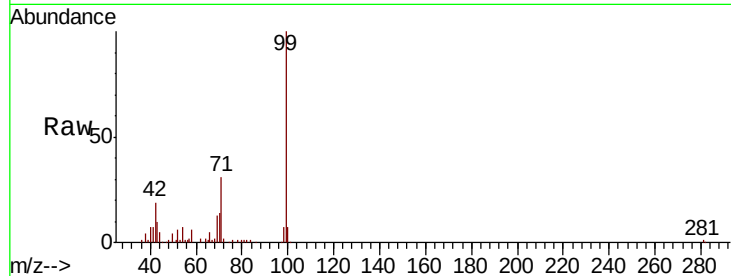
ClientSampleId :

B-7(9-11)DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 94213 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 19.1  | 15.9  | 23.9  |
| 71        | 31.2  | 27.1  | 40.7  |

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#21

Naphthalene-d8

Concen: 20.000 ng

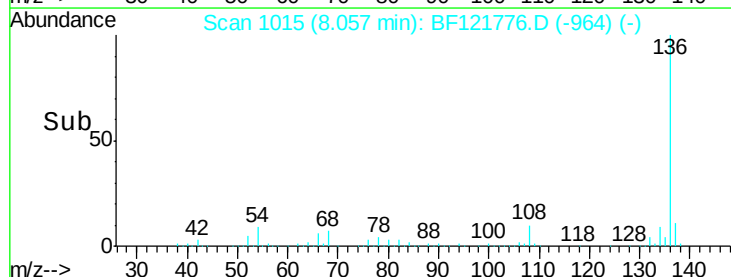
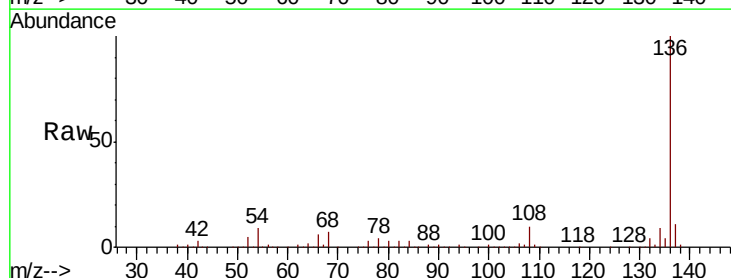
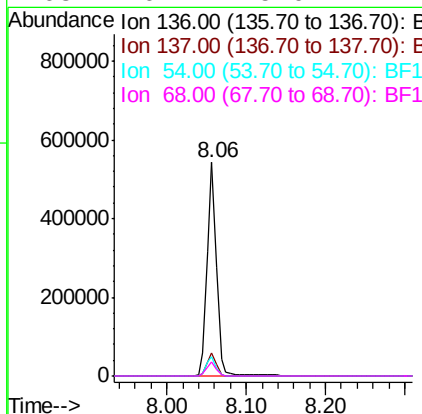
RT: 8.06 min Scan# 1015

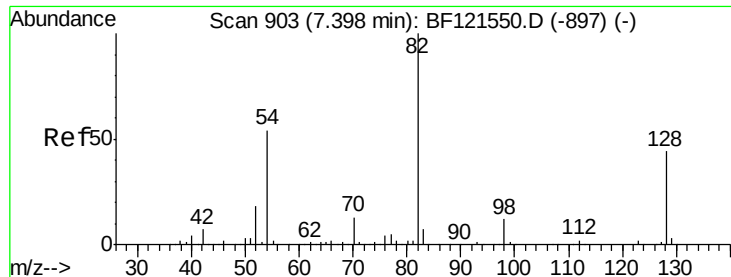
Delta R.T. -0.00 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 458359 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.6   | 13.0   |
| 54        | 9.2   | 7.1   | 10.7   |
| 68        | 6.7   | 5.0   | 7.4    |





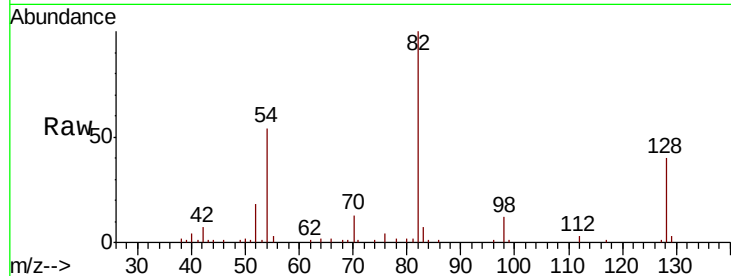
#23  
Nitrobenzene-d5  
Concen: 6.317 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleID :  
B-7(9-11)DL

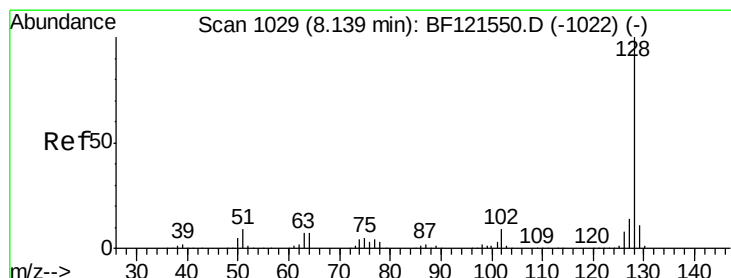
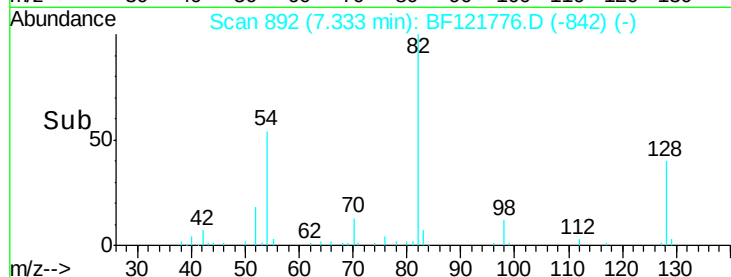
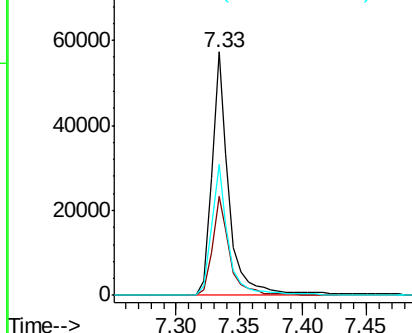
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.4  | 35.0  | 52.4  |
| 54      | 53.7  | 43.9  | 65.9  |

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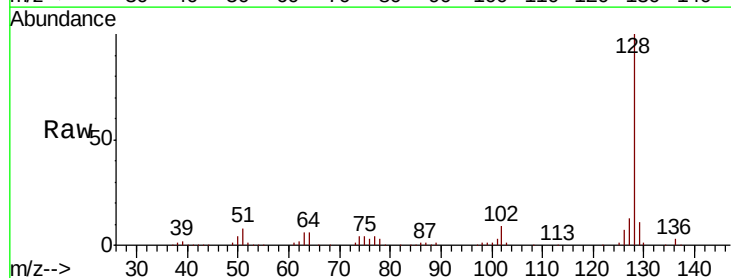


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

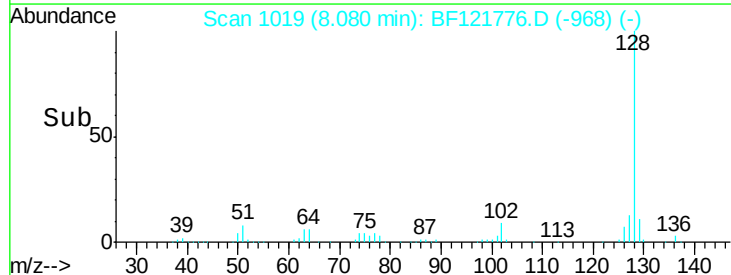
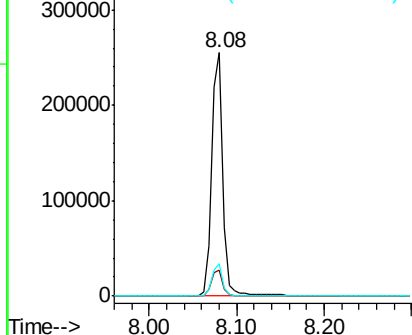


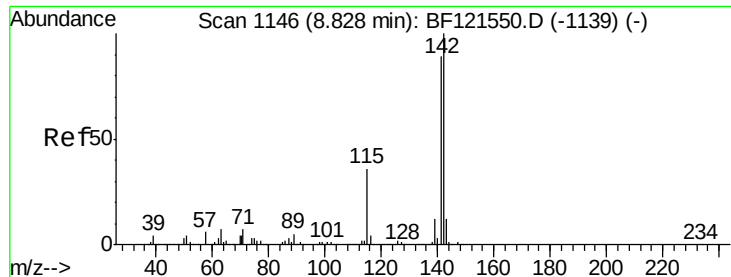
#31  
Naphthalene  
Concen: 9.414 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 8.7   | 13.1  |
| 127     | 13.1  | 10.8  | 16.2  |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





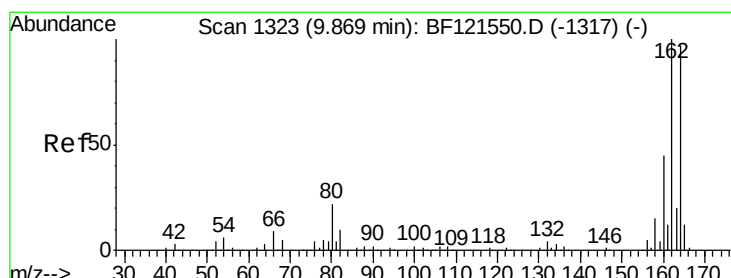
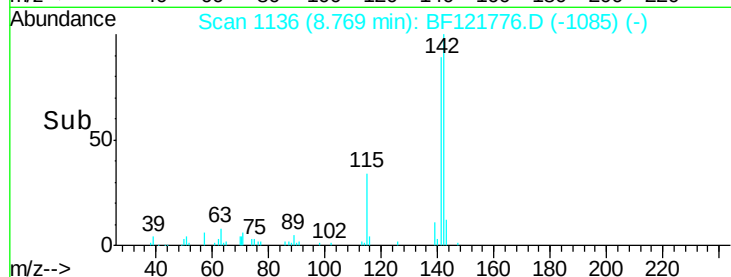
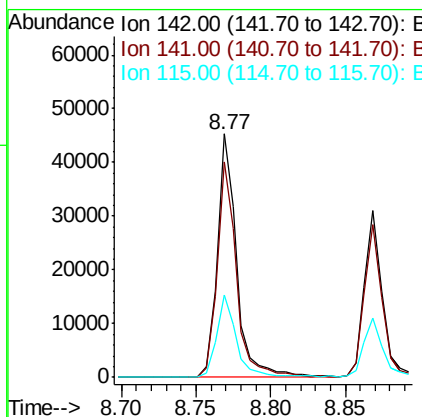
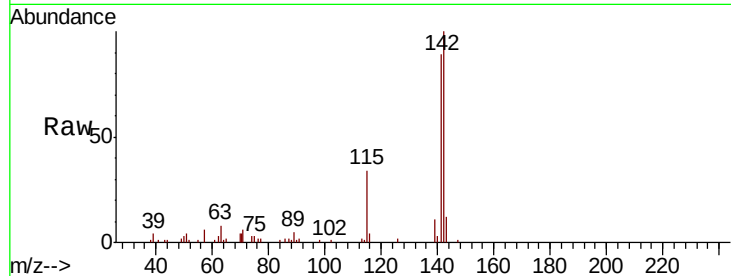
#37  
2-Methylnaphthalene  
Concen: 2.591 ng  
RT: 8.77 min Scan# 1136  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.6  | 70.2  | 105.4 |
| 115     | 33.6  | 28.6  | 43.0  |

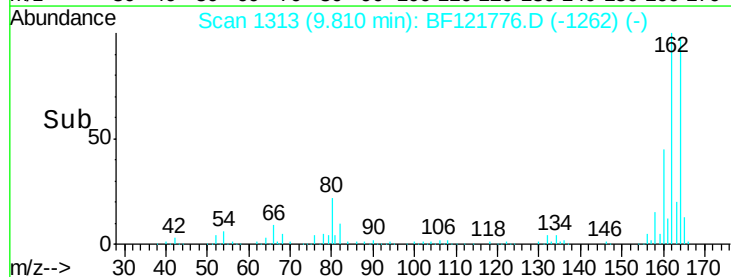
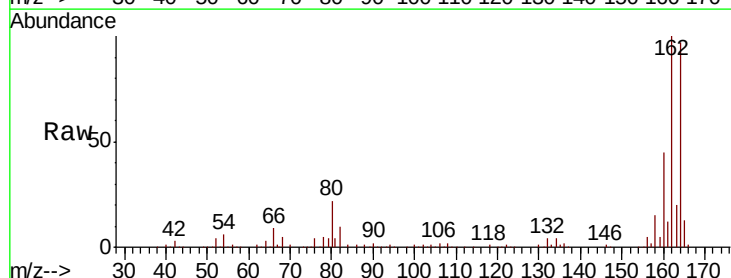
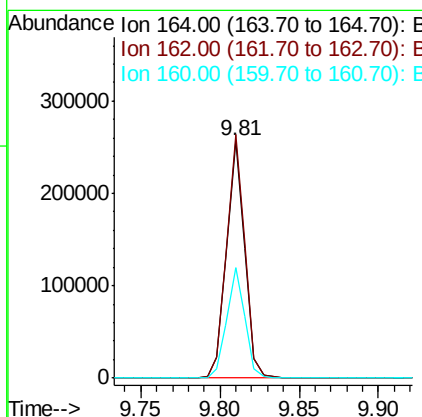
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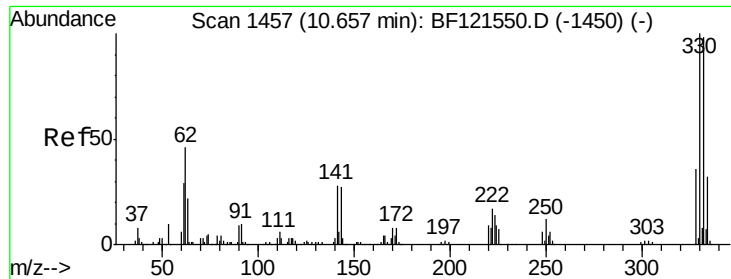
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 83.2  | 124.8 |
| 160     | 46.5  | 37.5  | 56.3  |





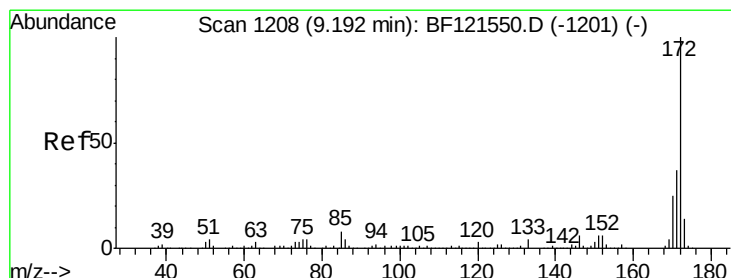
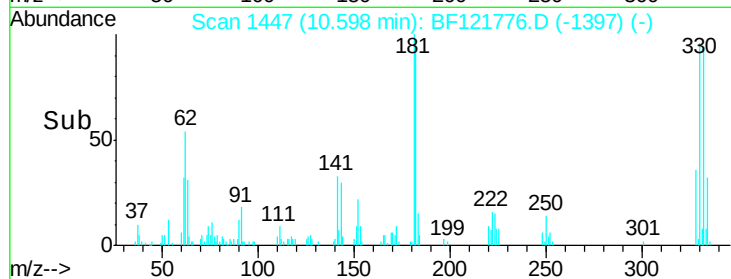
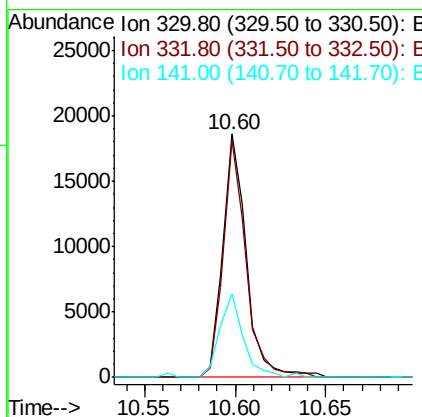
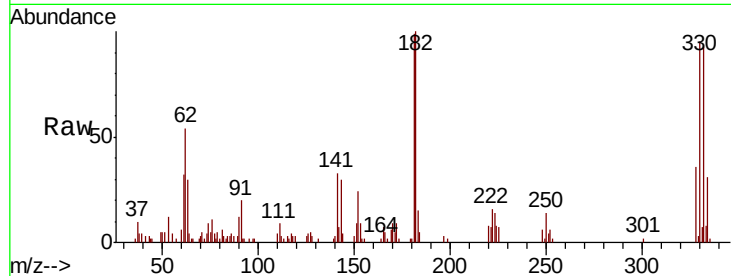
#42  
 2,4,6-Tribromophenol  
 Concen: 6.616 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.01 min  
 Lab File: BF121776.D  
 Acq: 1 Oct 2020 19:47

Instrument :  
 BNA\_F  
 ClientSampleID :  
 B-7(9-11)DL

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 16785 |       |       |
| 332     | 94.8  |       | 77.3  | 115.9 |
| 141     | 34.4  |       | 22.3  | 33.5# |

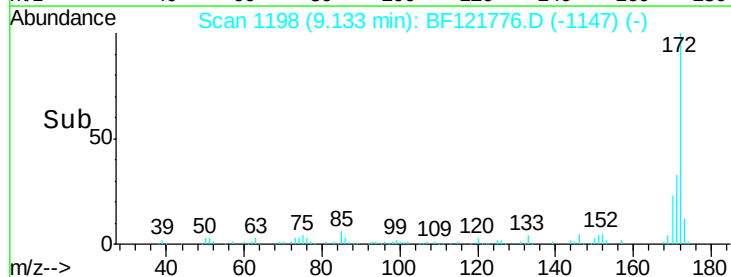
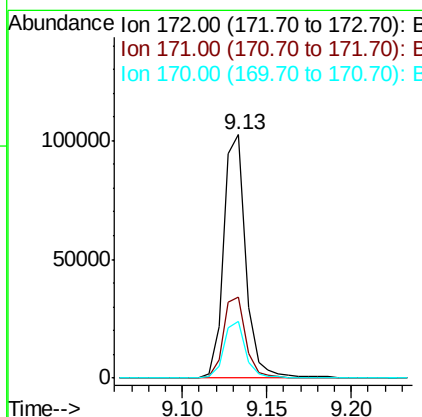
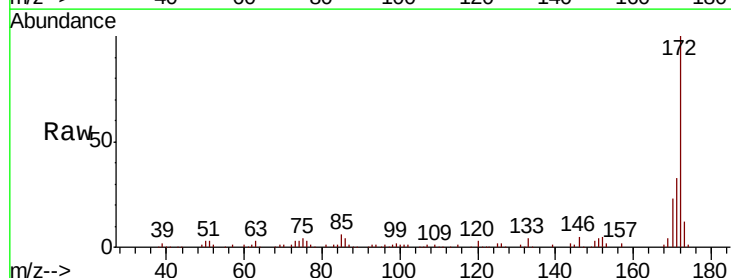
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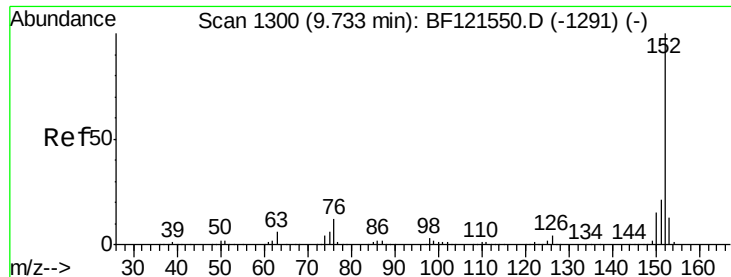
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#45  
 2-Fluorobiphenyl  
 Concen: 6.970 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.00 min  
 Lab File: BF121776.D  
 Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 172     | 100   | 93929 |       |       |
| 171     | 33.2  |       | 29.1  | 43.7  |
| 170     | 23.2  |       | 19.8  | 29.6  |





#49

Acenaphthylene

Concen: 2.497 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

Instrument :

BNA\_F

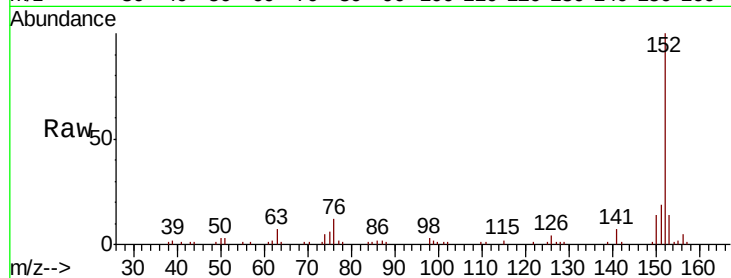
ClientSampleId :

B-7(9-11)DL

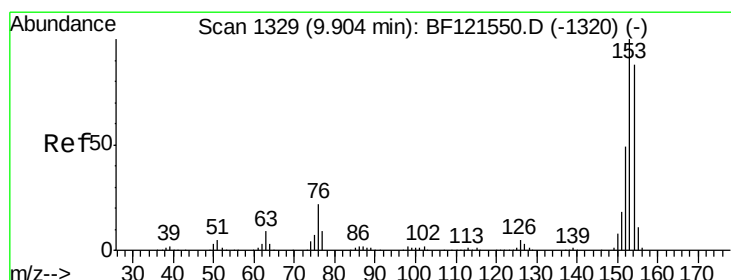
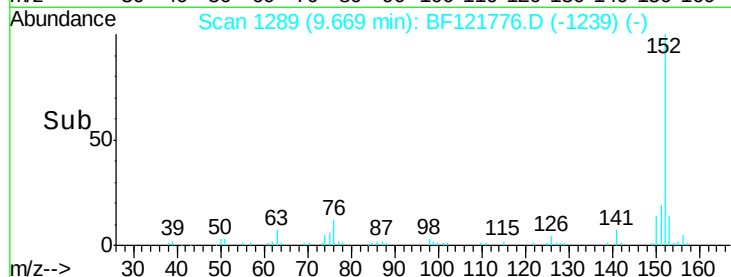
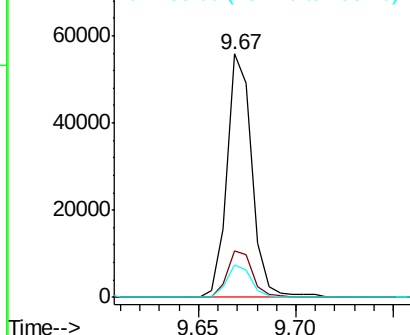
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 49404 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.2  | 16.4  | 24.6  |
| 153       | 13.5  | 10.6  | 15.8  |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#52

Acenaphthene

Concen: 3.860 ng

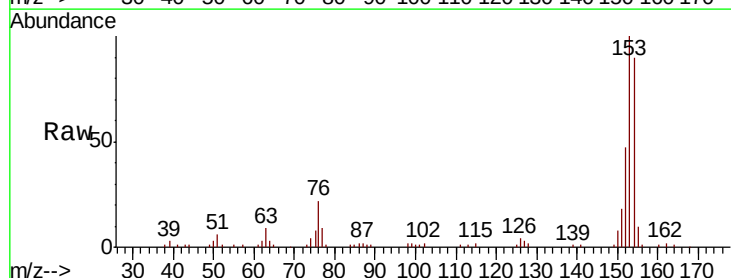
RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

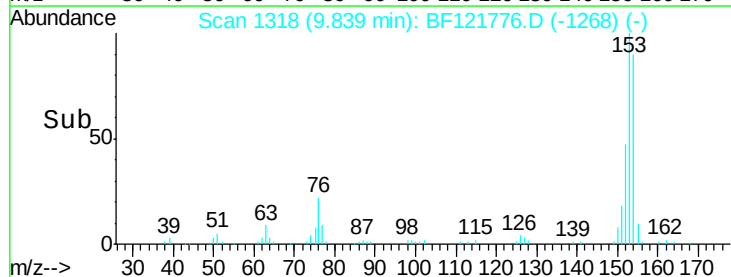
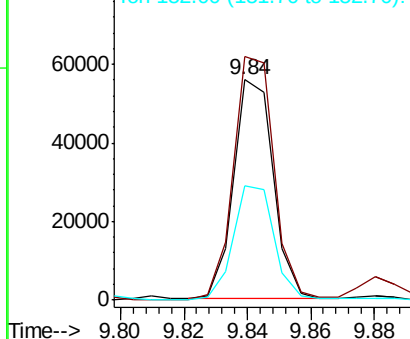
Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

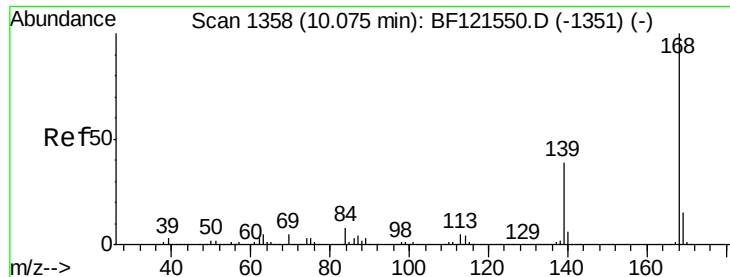
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 48236 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 110.6 | 89.8  | 134.8 |
| 152       | 51.9  | 43.2  | 64.8  |



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







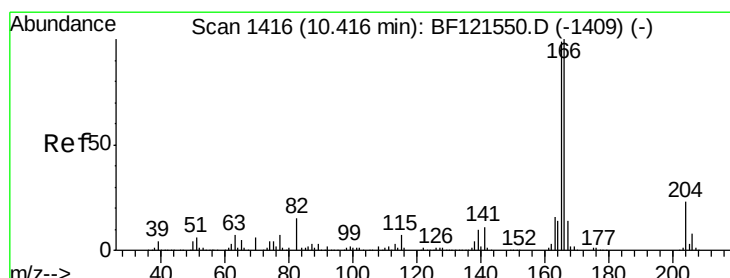
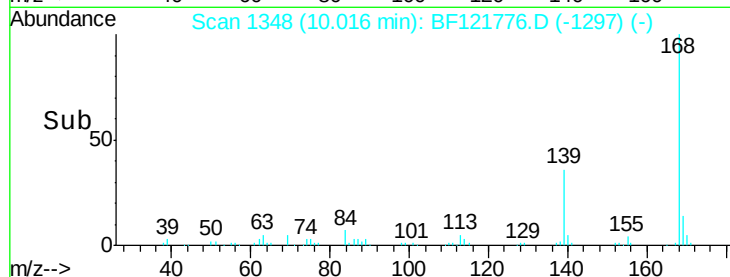
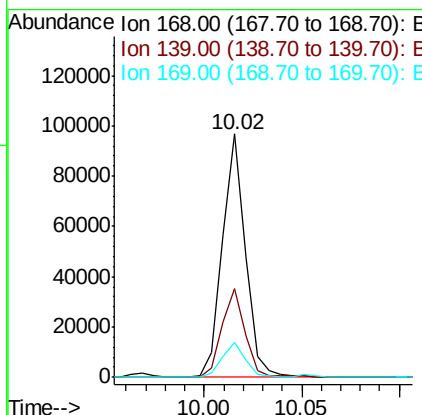
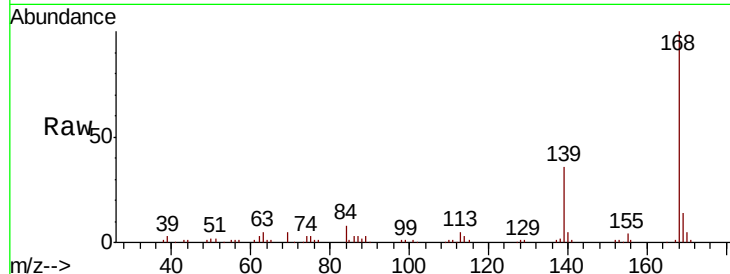
#55  
Dibenzenofuran  
Concen: 4.531 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.4  | 31.0  | 46.6  |
| 169     | 14.2  | 11.3  | 16.9  |

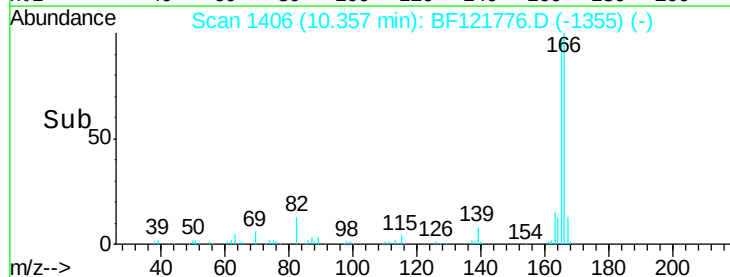
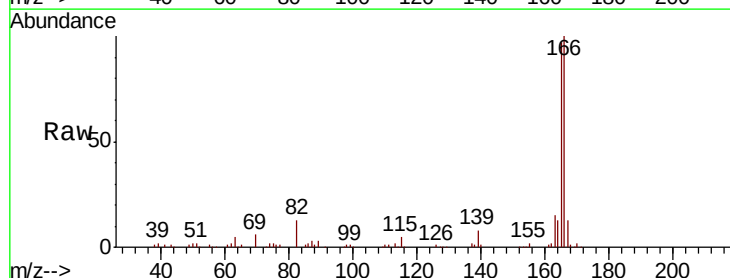
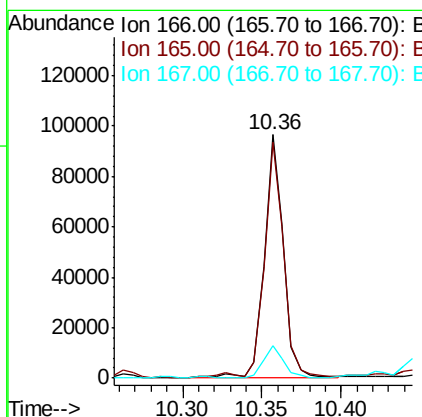
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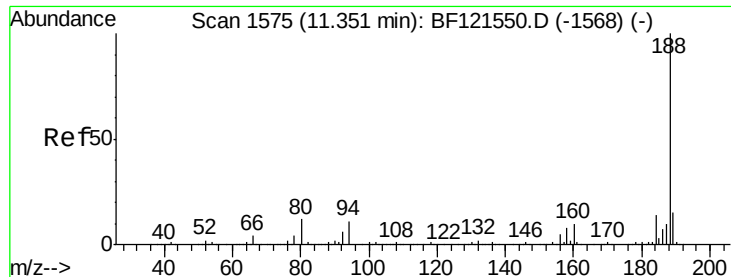
mohammad  
10/2/2020 12:13:41 PM



#58  
Fluorene  
Concen: 6.061 ng  
RT: 10.36 min Scan# 1406  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.0  | 79.1  | 118.7 |
| 167     | 13.4  | 11.0  | 16.6  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

Instrument :

BNA\_F

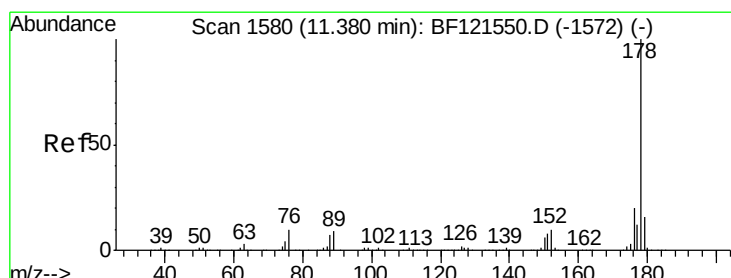
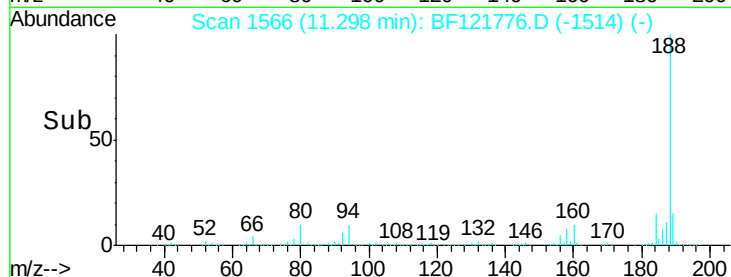
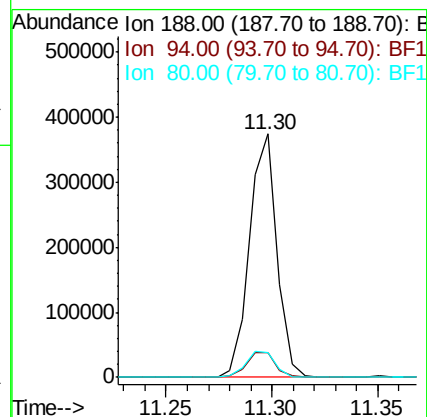
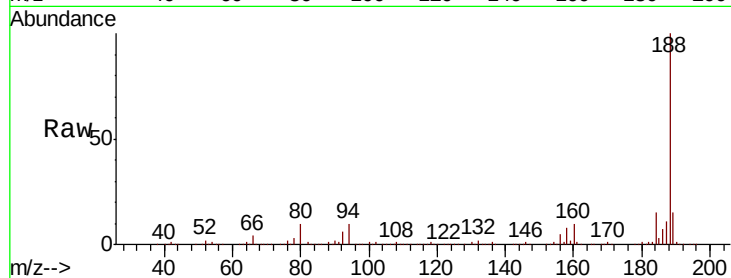
ClientSampleID :

B-7(9-11)DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 336318 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.2  | 8.3   | 12.5   |
| 80        | 10.4  | 9.1   | 13.7   |

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#71

Phenanthrene

Concen: 39.426 ng

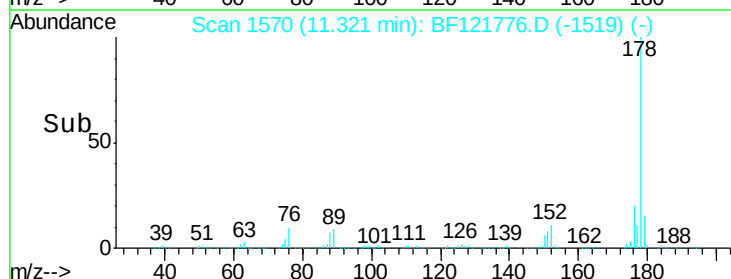
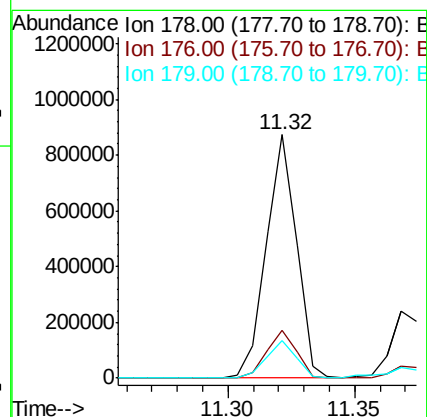
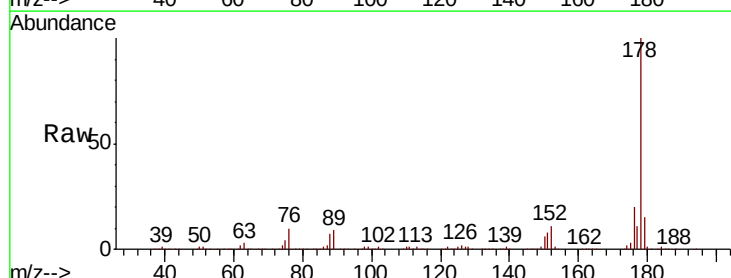
RT: 11.32 min Scan# 1570

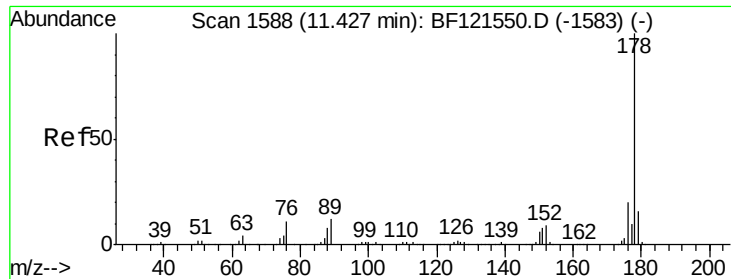
Delta R.T. -0.00 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 722449 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.8  | 15.9  | 23.9   |
| 179       | 15.5  | 12.2  | 18.4   |





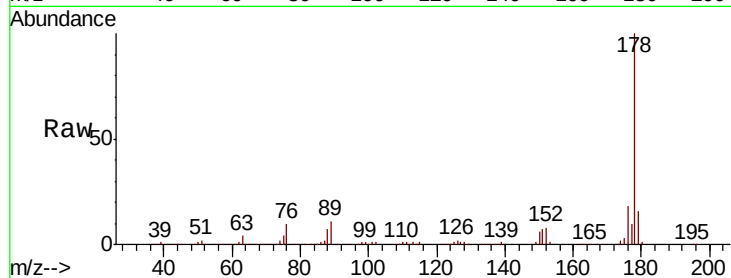
#72  
 Anthracene  
 Concen: 10.937 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: BF121776.D  
 Acq: 1 Oct 2020 19:47

Instrument :  
 BNA\_F  
 ClientSampled :  
 B-7(9-11)DL

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 18.2 | 15.7  | 23.5  |       |
| 179     | 15.7 | 12.7  | 19.1  |       |

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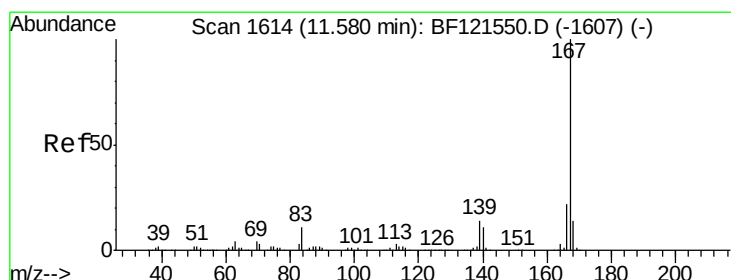
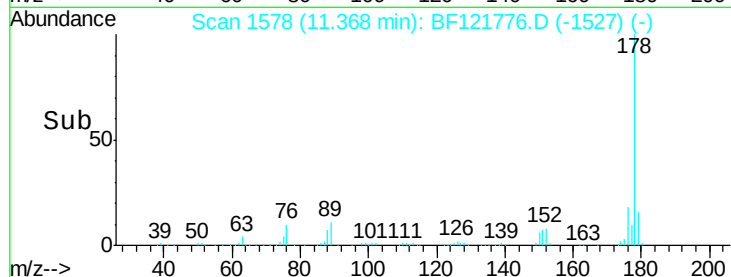
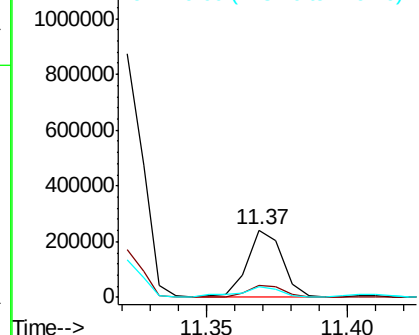


Abundance

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



#73  
 Carbazole  
 Concen: 6.022 ng  
 RT: 11.53 min Scan# 1605  
 Delta R.T. -0.00 min  
 Lab File: BF121776.D  
 Acq: 1 Oct 2020 19:47

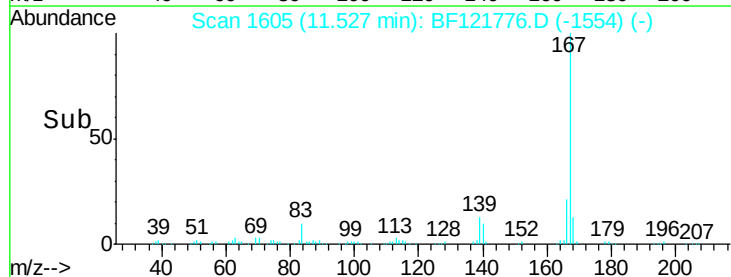
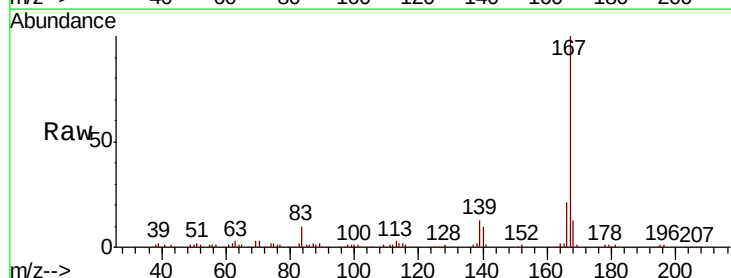
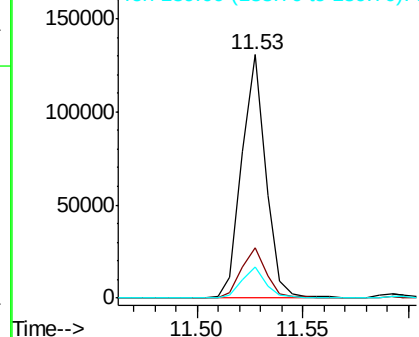
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 167     | 100  |       |       |       |
| 166     | 20.8 | 17.8  | 26.6  |       |
| 139     | 12.6 | 10.8  | 16.2  |       |

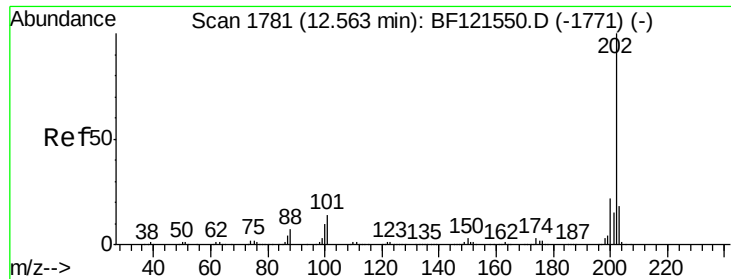
Abundance

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





#75

Fluoranthene

Concen: 41.621 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

Instrument :

BNA\_F

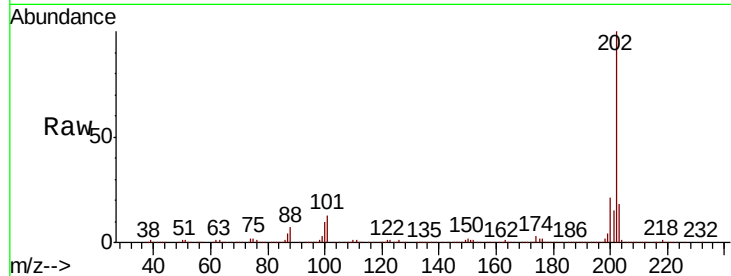
ClientSampleId :

B-7(9-11)DL

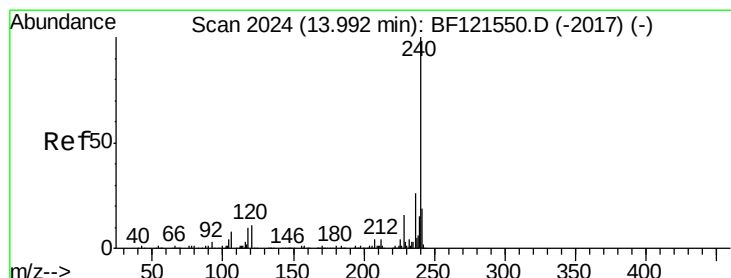
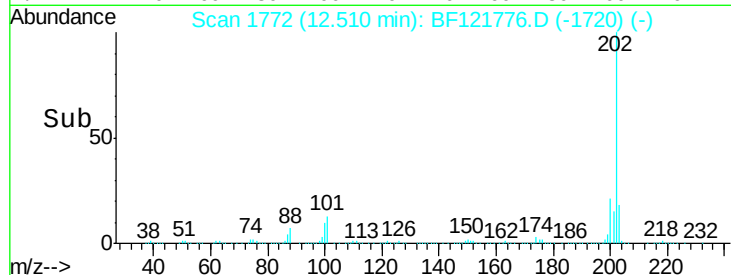
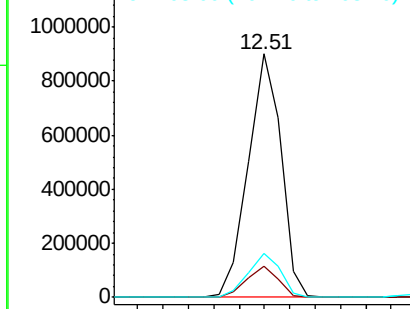
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 814144 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.0  | 0.0   | 33.4   |
| 203       | 17.9  | 0.0   | 37.9   |

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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

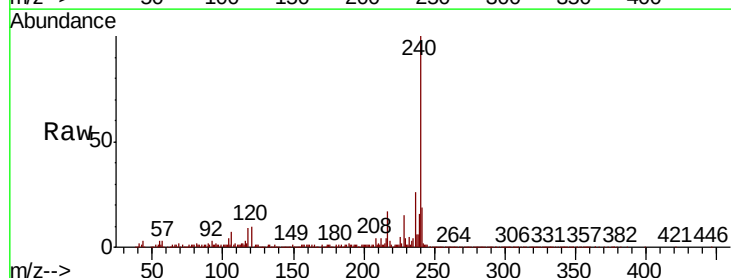
RT: 13.94 min Scan# 2015

Delta R.T. 0.01 min

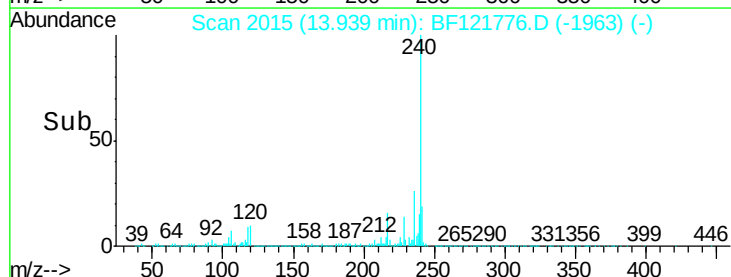
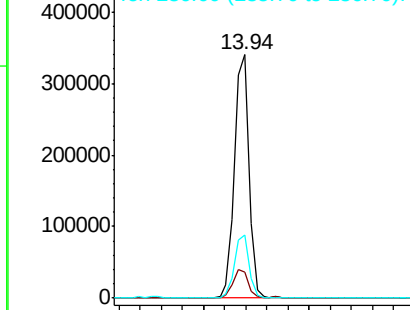
Lab File: BF121776.D

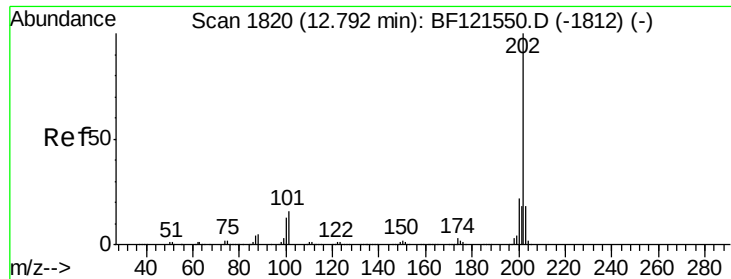
Acq: 1 Oct 2020 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 319364 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.4  | 9.2   | 13.8   |
| 236       | 25.8  | 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: 28.025 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF121776.D

Acq: 1 Oct 2020 19:47

Instrument :

BNA\_F

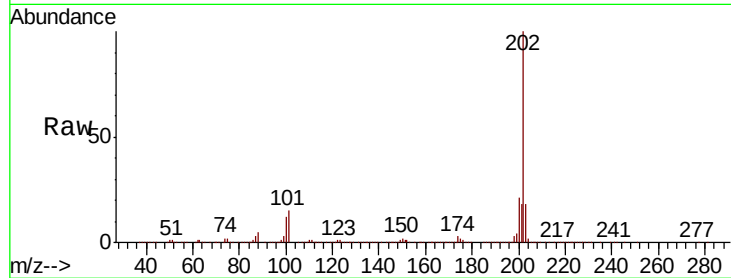
ClientSampled :

B-7(9-11)DL

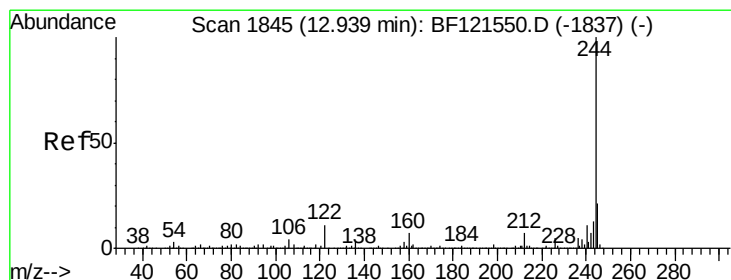
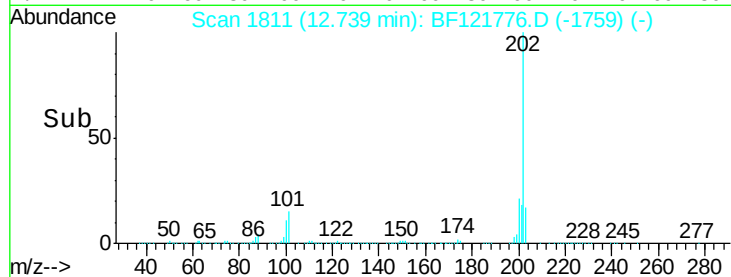
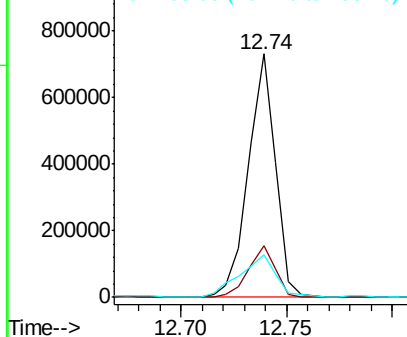
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 653928 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.3  | 17.4  | 26.2   |
| 203       | 17.6  | 14.6  | 21.8   |

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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: 4.802 ng

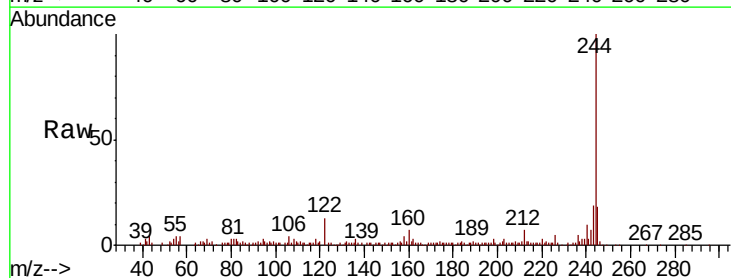
RT: 12.87 min Scan# 1834

Delta R.T. -0.01 min

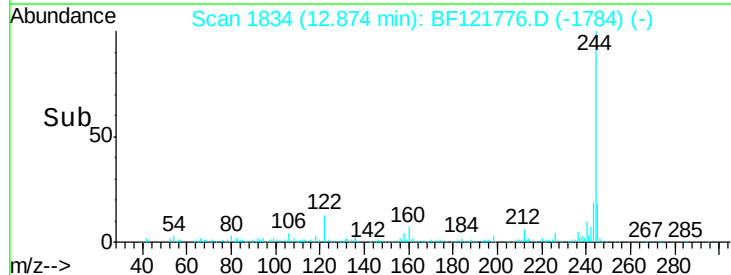
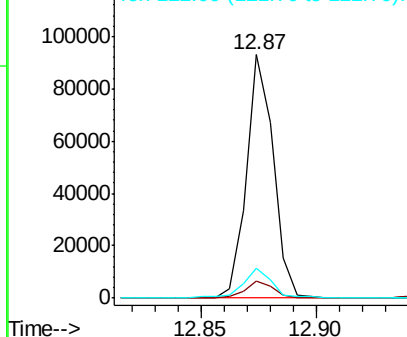
Lab File: BF121776.D

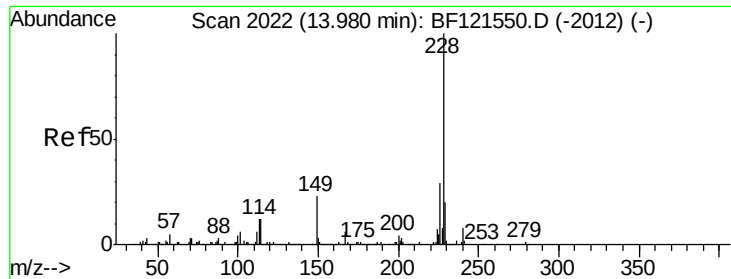
Acq: 1 Oct 2020 19:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 75698 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 6.8   | 5.4   | 8.2   |
| 122       | 12.5  | 8.1   | 12.1# |



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





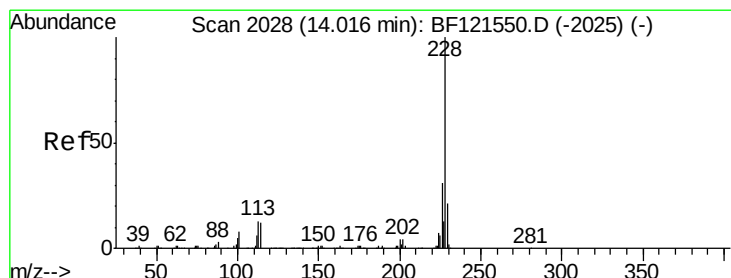
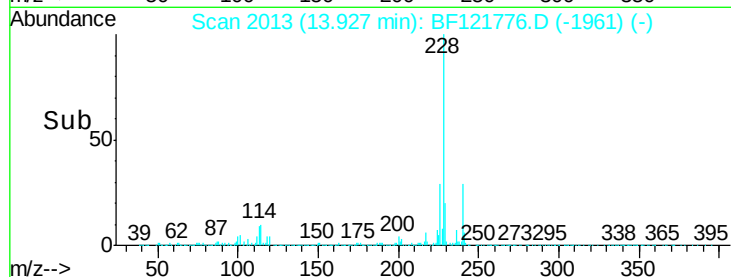
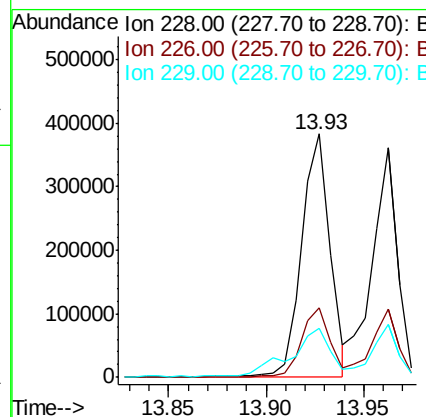
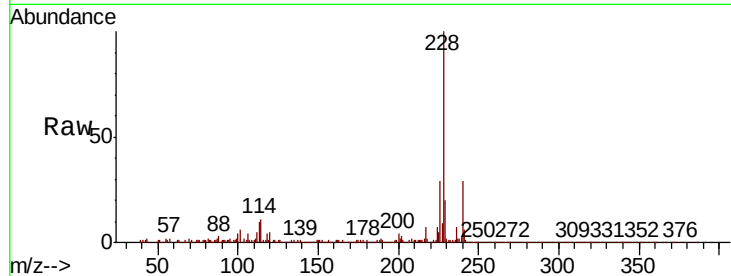
#81  
Benzo(a)anthracene  
Concen: 18.955 ng  
RT: 13.93 min Scan# 2013  
Delta R.T. 0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleID :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 22.3  | 33.5  |
| 229     | 20.3  | 16.2  | 24.4  |

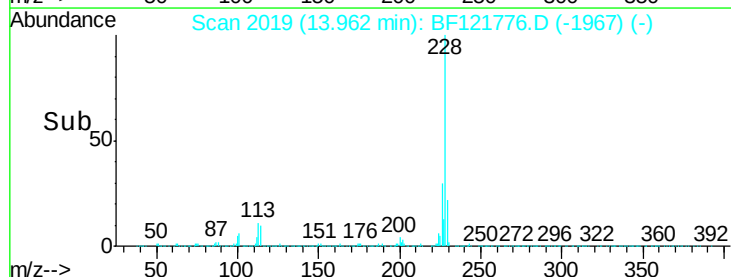
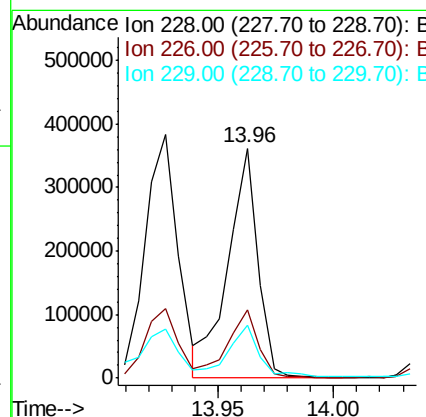
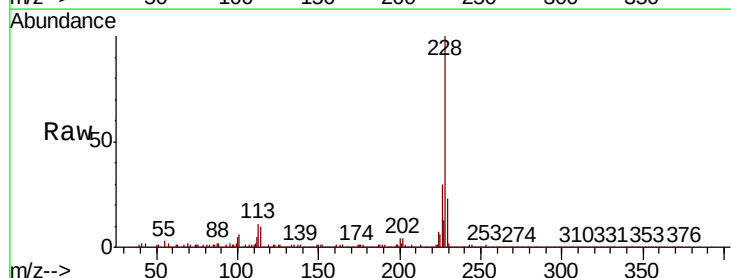
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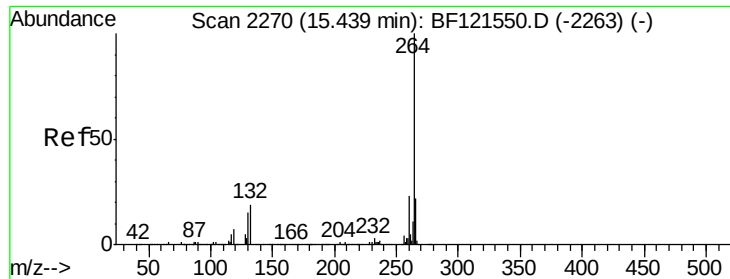
mohammad  
10/2/2020 12:13:41 PM



#83  
Chrysene  
Concen: 16.041 ng m  
RT: 13.96 min Scan# 2019  
Delta R.T. 0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 24.6  | 37.0  |
| 229     | 22.8  | 15.9  | 23.9  |





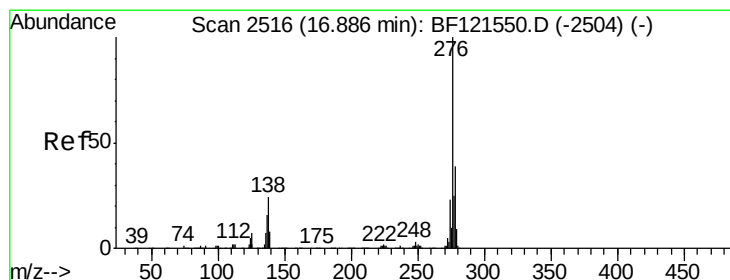
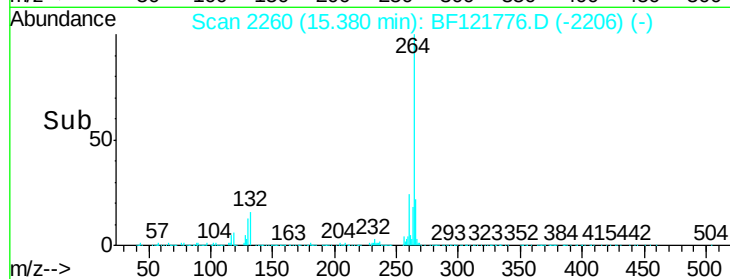
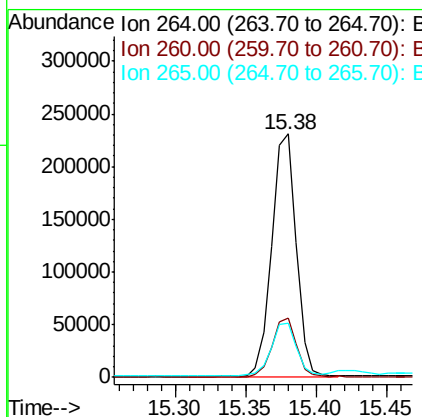
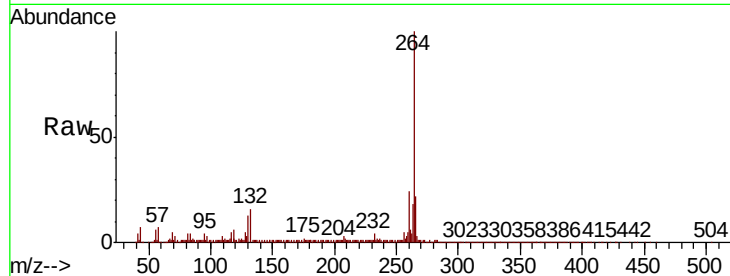
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.38 min Scan# 2260  
Delta R.T. 0.02 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.7  | 28.1  |
| 265     | 22.3  | 17.3  | 25.9  |

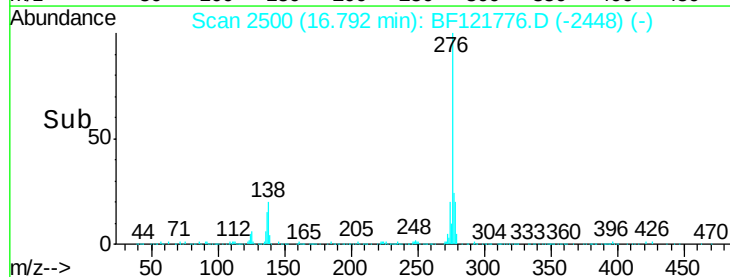
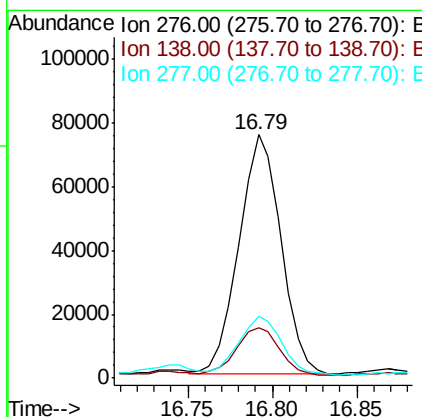
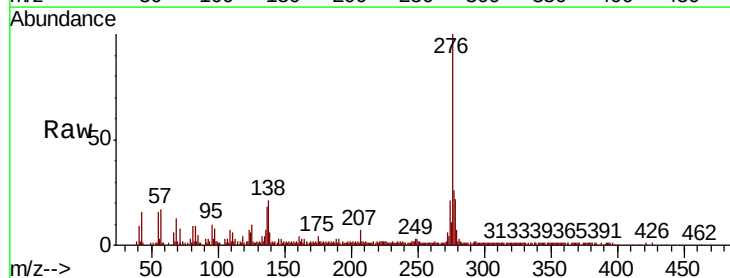
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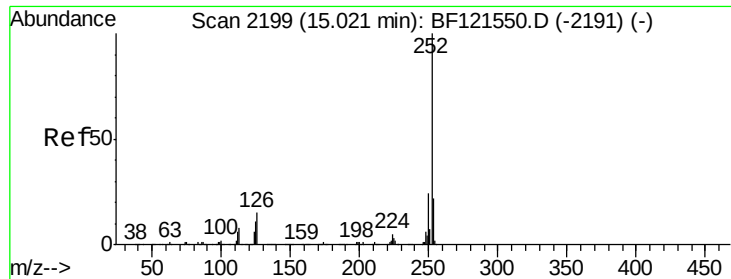
mohammad  
10/2/2020 12:13:41 PM



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 7.120 ng  
RT: 16.79 min Scan# 2500  
Delta R.T. 0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.5  | 19.9  | 29.9  |
| 277     | 24.5  | 20.4  | 30.6  |





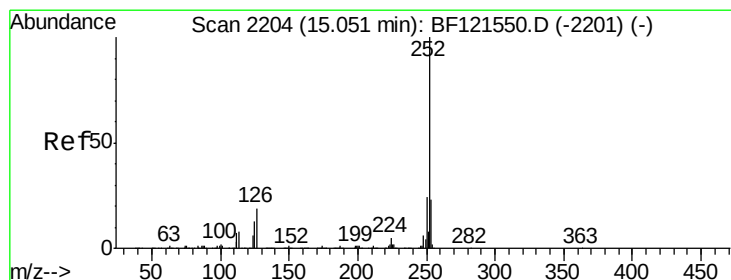
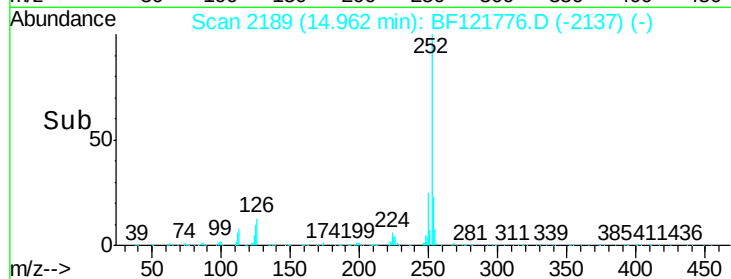
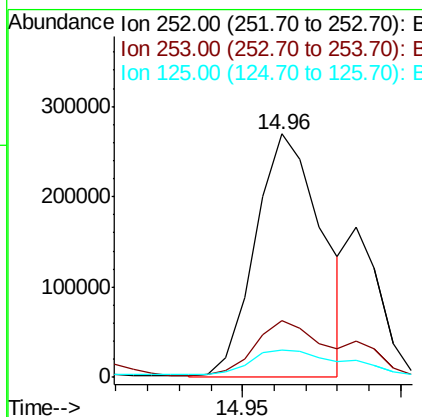
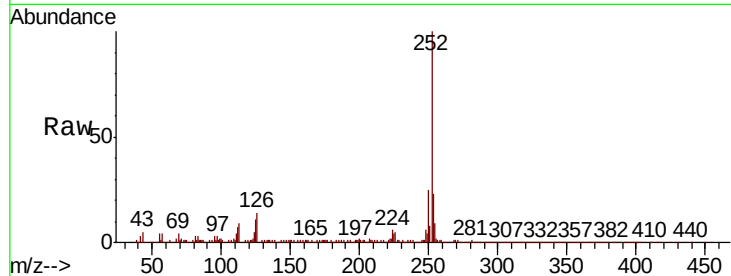
#88  
Benzo(b)fluoranthene  
Concen: 21.127 ng m  
RT: 14.96 min Scan# 2189  
Delta R.T. 0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampleId :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.2  | 27.2  |
| 125     | 11.3  | 8.0   | 12.0  |

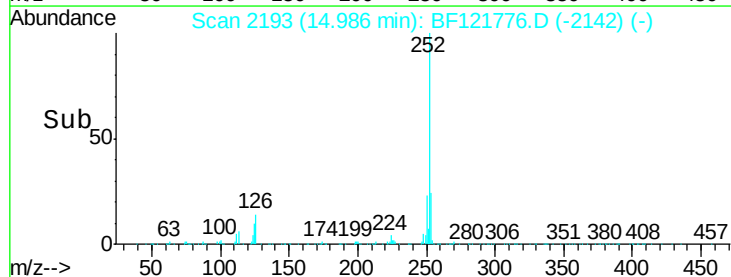
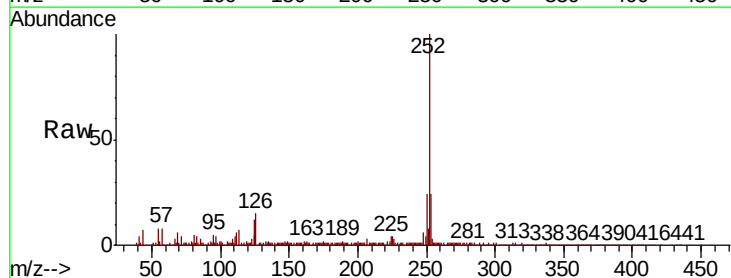
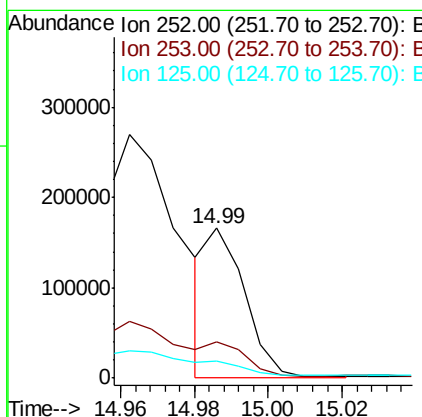
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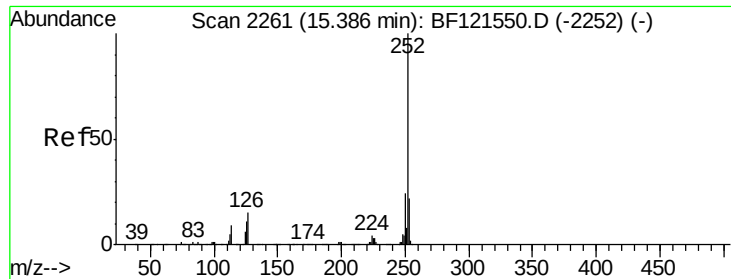


#89  
Benzo(k)fluoranthene  
Concen: 6.941 ng m  
RT: 14.99 min Scan# 2193  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 17.8  | 26.6  |
| 125     | 11.7  | 7.7   | 11.5# |







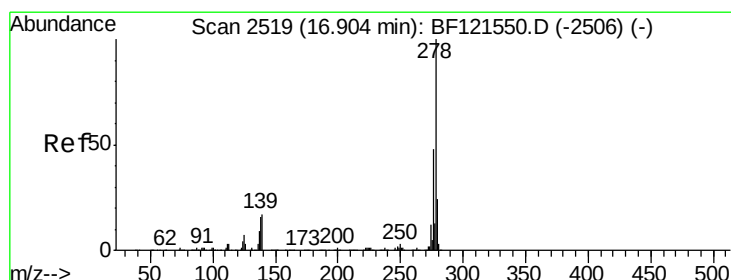
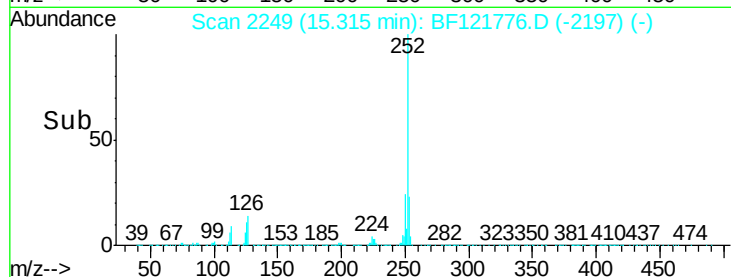
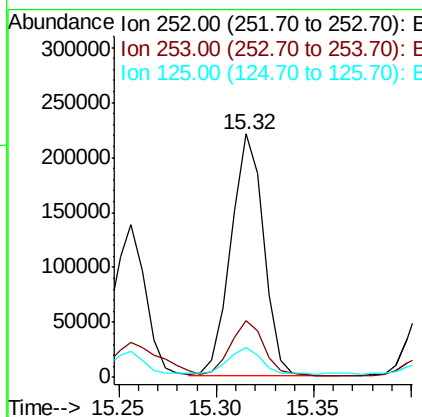
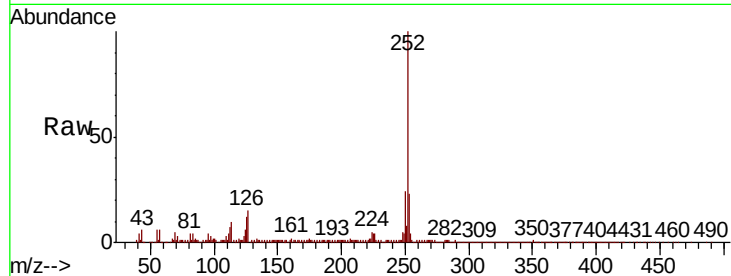
#90  
Benzo(a)pyrene  
Concen: 16.058 ng  
RT: 15.32 min Scan# 2249  
Delta R.T. 0.01 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

Instrument :  
BNA\_F  
ClientSampled :  
B-7(9-11)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.3  | 25.9  |
| 125     | 12.2  | 8.6   | 13.0  |

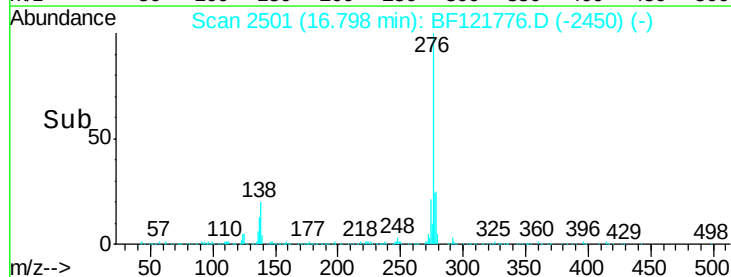
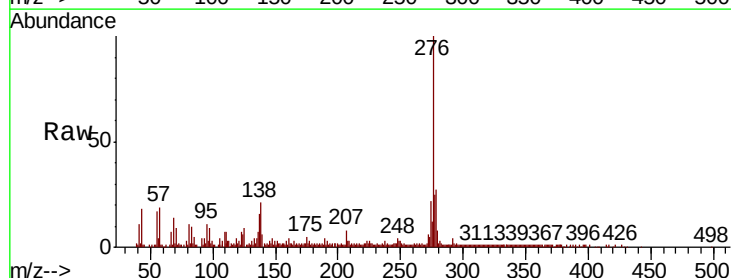
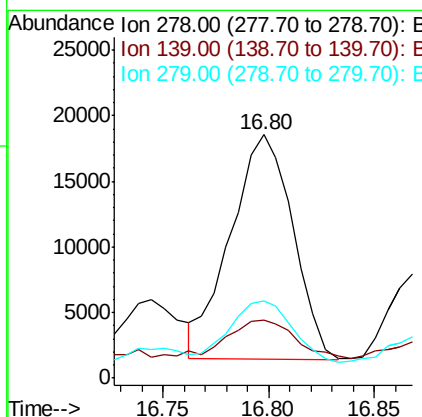
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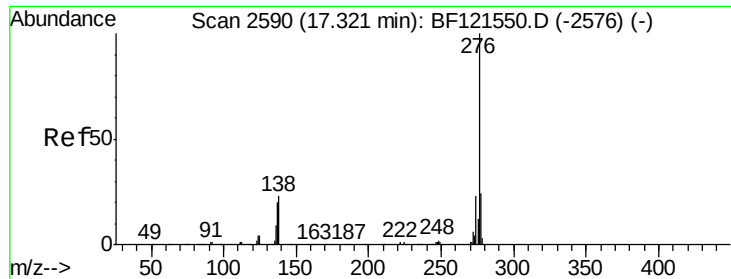
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#91  
Dibenzo(a,h)anthracene  
Concen: 2.309 ng  
RT: 16.80 min Scan# 2501  
Delta R.T. -0.00 min  
Lab File: BF121776.D  
Acq: 1 Oct 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 23.7  | 13.0  | 19.4# |
| 279     | 31.7  | 19.0  | 28.4# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 7.554 ng  
 RT: 17.22 min Scan# 2573  
 Delta R.T. 0.01 min  
 Lab File: BF121776.D  
 Acq: 1 Oct 2020 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(9-11)DL

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 113113 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 25.2 | 19.4  | 29.2   |
| 138       | 22.0 | 17.8  | 26.6   |

Manual Integrations  
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