

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\  
 Data File : BF117333.D  
 Acq On : 3 Oct 2019 22:51  
 Operator : JU  
 Sample : K5148-01RE  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-100119RE

Manual Integrations  
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 10/7/2019 8:26:09 AM

Quant Time: Oct 04 06:05:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 52972    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.09  | 136  | 195048   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.84  | 164  | 73043    | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.33 | 188  | 106571   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 100498   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.43 | 264  | 81667    | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.43  | 112  | 174009   | 51.29 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 254509   | 58.04 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 149848   | 40.37 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 28622    | 46.89 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 226076   | 48.39 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.91 | 244  | 185494   | 34.50 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 38) 1-Methylnaphthalene    | 8.90  | 142  | 12743m   | 2.154  | ng    |        |
| 49) Acenaphthylene         | 9.70  | 152  | 14373    | 2.122  | ng    | # 93   |
| 50) Dimethylphthalate      | 9.55  | 163  | 31732    | 6.136  | ng    | # 99   |
| 52) Acenaphthene           | 9.87  | 154  | 12052    | 3.001  | ng    | # 93   |
| 58) Fluorene               | 10.39 | 166  | 20352    | 4.265  | ng    | # 95   |
| 71) Phenanthrene           | 11.35 | 178  | 136901   | 22.616 | ng    | # 98   |
| 72) Anthracene             | 11.40 | 178  | 46891    | 7.588  | ng    | # 96   |
| 73) Carbazole              | 11.56 | 167  | 12601    | 2.148  | ng    | # 90   |
| 75) Fluoranthene           | 12.54 | 202  | 209591   | 33.698 | ng    | # 97   |
| 78) Pyrene                 | 12.77 | 202  | 203455   | 24.127 | ng    | # 99   |
| 81) Benzo(a)anthracene     | 13.96 | 228  | 100514   | 14.970 | ng    | # 97   |
| 83) Chrysene               | 14.00 | 228  | 86152    | 13.156 | ng    | # 96   |
| 86) Indeno(1,2,3-cd)pyrene | 16.89 | 276  | 32728    | 6.850  | ng    | # 94   |
| 88) Benzo(b)fluoranthene   | 15.01 | 252  | 93149m   | 18.830 | ng    |        |
| 89) Benzo(k)fluoranthene   | 15.03 | 252  | 30620m   | 6.534  | ng    |        |
| 90) Benzo(a)pyrene         | 15.37 | 252  | 66195    | 15.249 | ng    | # 91   |
| 91) Dibenzo(a,h)anthracene | 16.89 | 278  | 8014     | 2.317  | ng    | # 58   |
| 92) Benzo(g,h,i)perylene   | 17.33 | 276  | 34319    | 9.959  | ng    | # 97   |

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

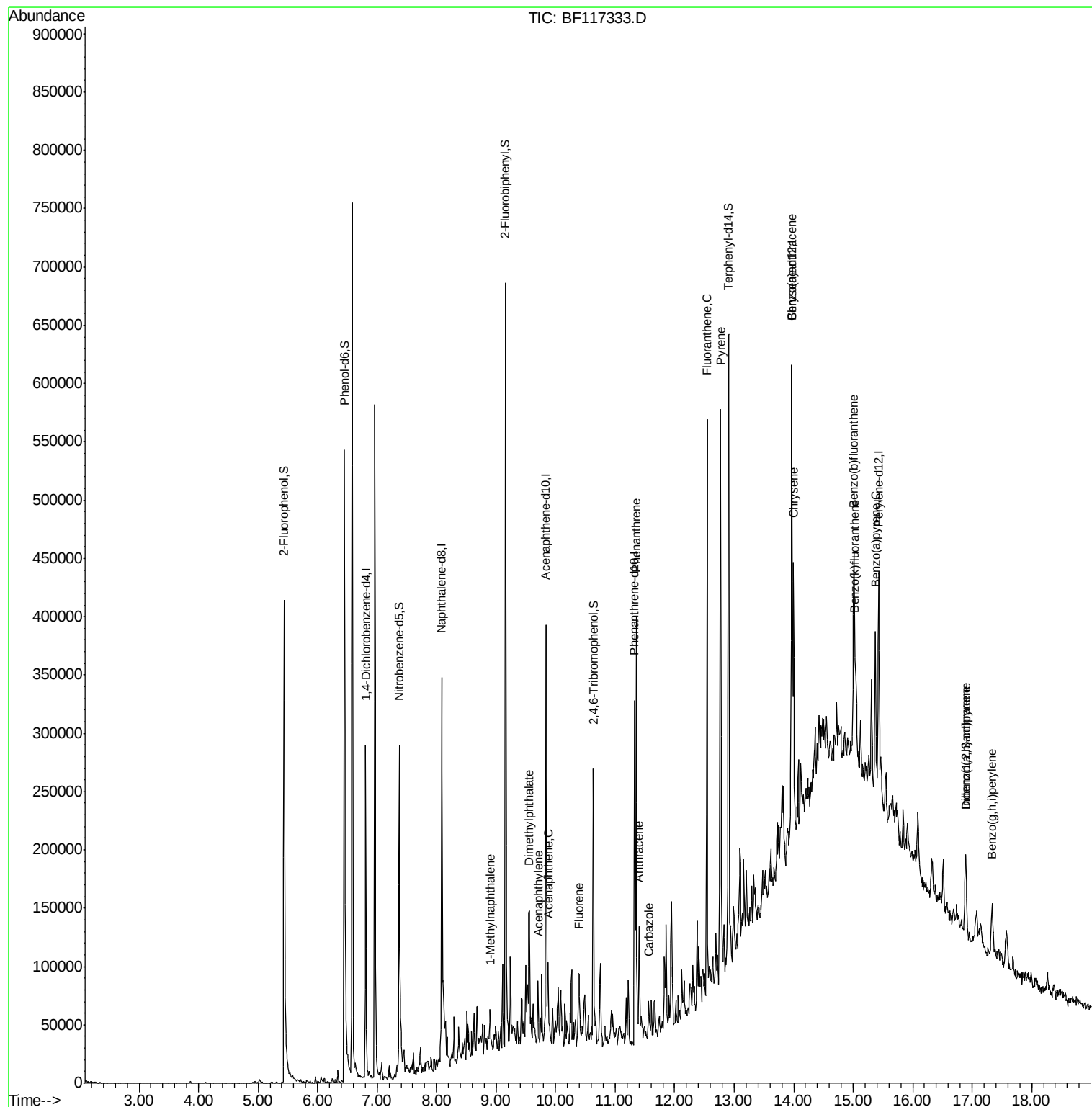
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\  
Data File : BF117333.D  
Acq On : 3 Oct 2019 22:51  
Operator : JU  
Sample : K5148-01RE  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

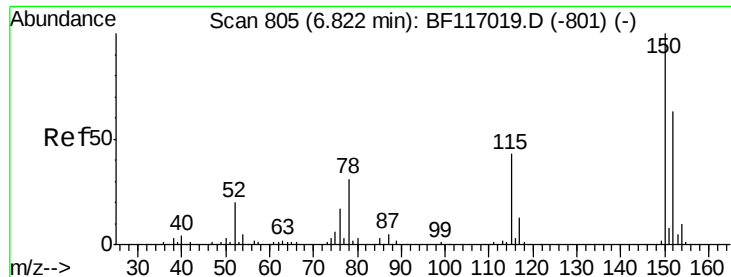
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

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Quant Time: Oct 04 06:05:17 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 13 16:23:17 2019  
Response via : Initial Calibration





#1

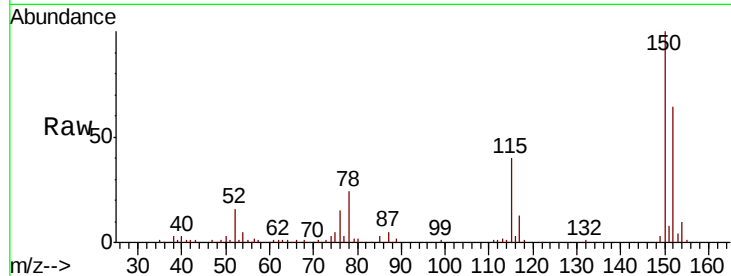
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampled :  
OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 127.5 | 191.3 |
| 115     | 62.2  | 55.0  | 82.4  |

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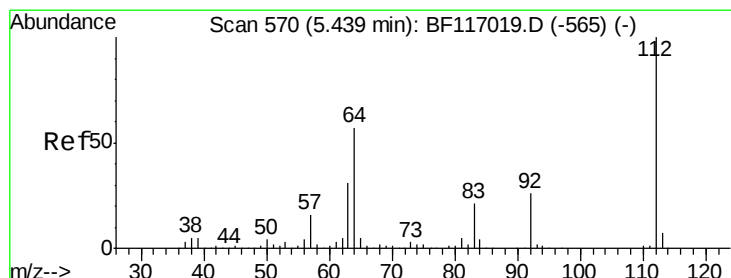
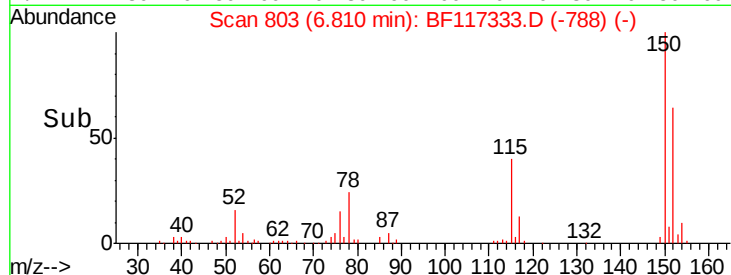
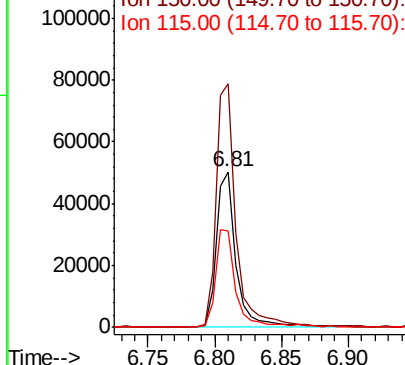


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

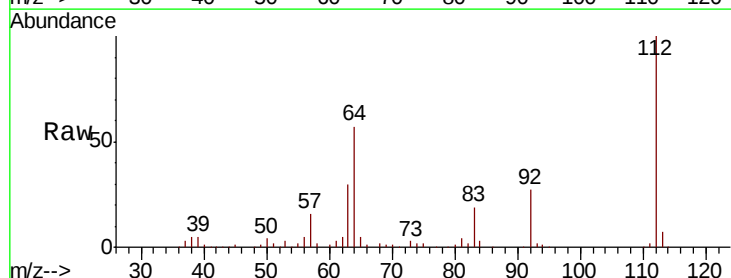
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 51.286 ng  
RT: 5.43 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.4  | 45.7  | 68.5  |
| 63      | 29.7  | 24.9  | 37.3  |

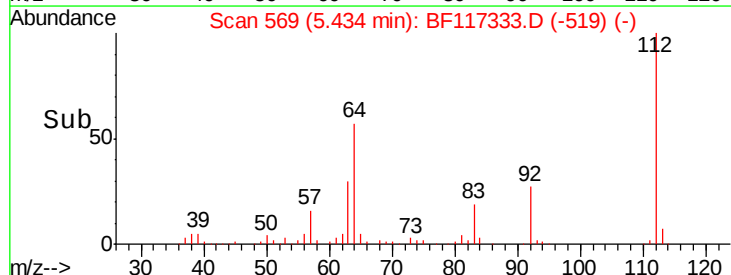
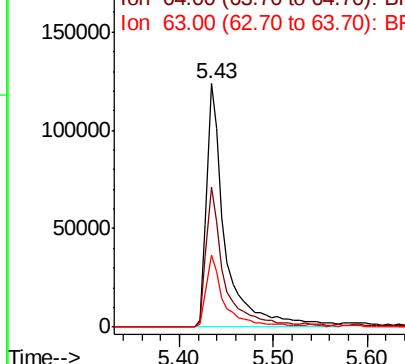


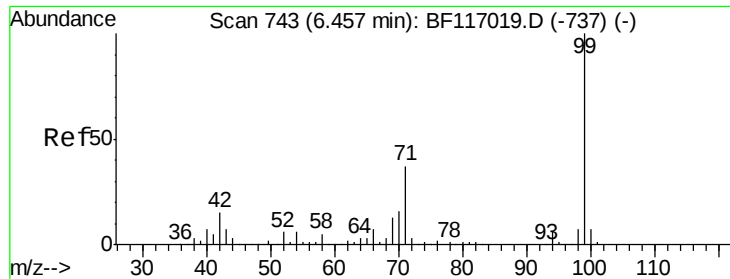
Abundance

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: 58.042 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117333.D

Acq: 3 Oct 2019 22:51

Instrument :

BNA\_F

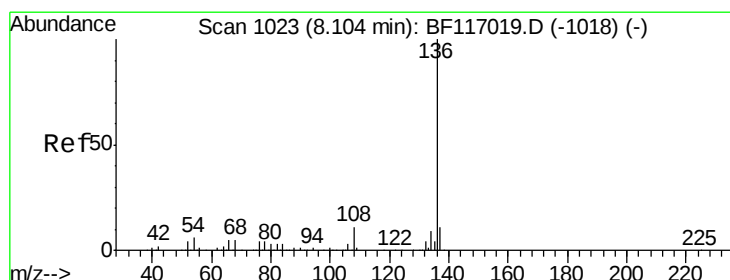
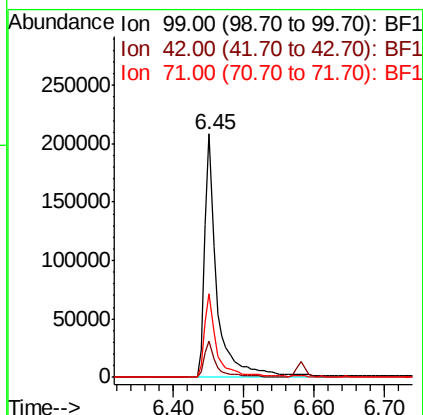
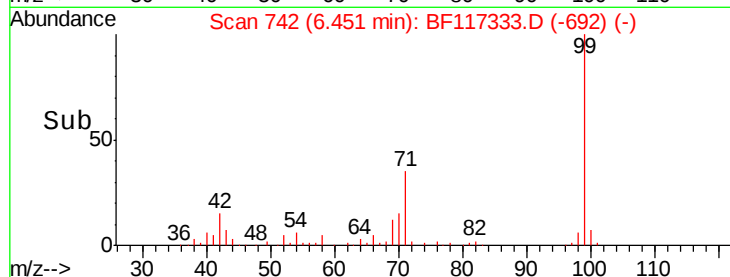
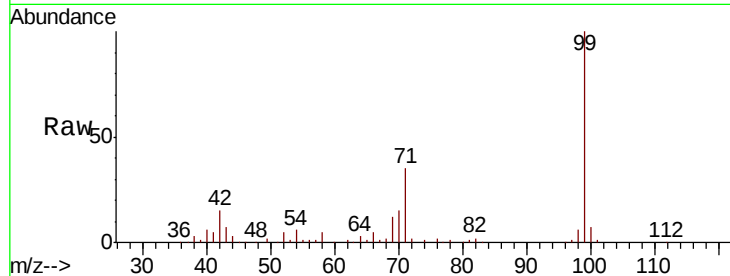
ClientSampleId :

OR-02-100119RE

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 254509 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.6  | 12.2  | 18.2   |
| 71        | 34.6  | 29.8  | 44.8   |

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#21

Naphthalene-d8

Concen: 20.000 ng

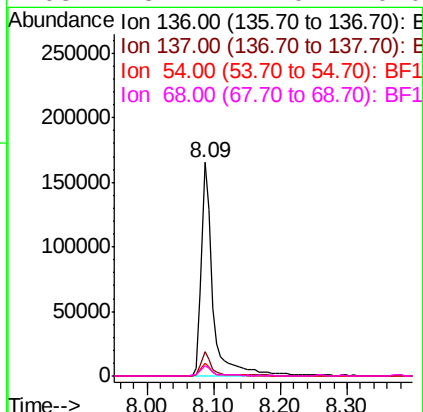
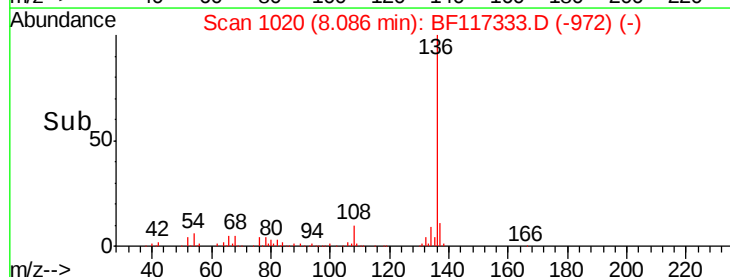
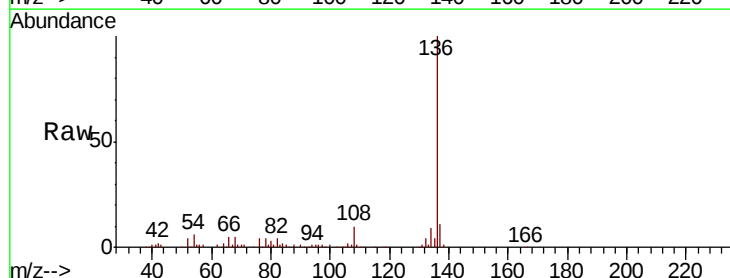
RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF117333.D

Acq: 3 Oct 2019 22:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 195048 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.2  | 9.0   | 13.4   |
| 54        | 5.9   | 4.5   | 6.7    |
| 68        | 5.1   | 4.0   | 6.0    |





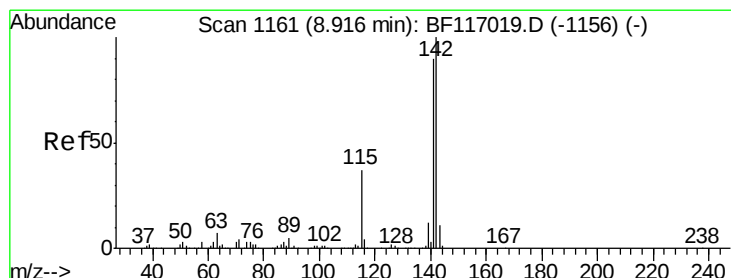
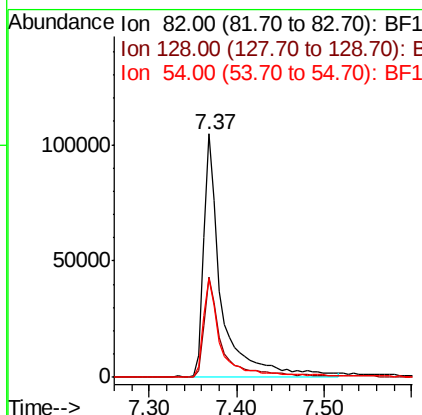
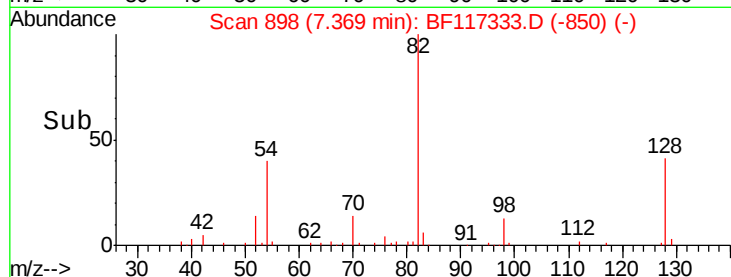
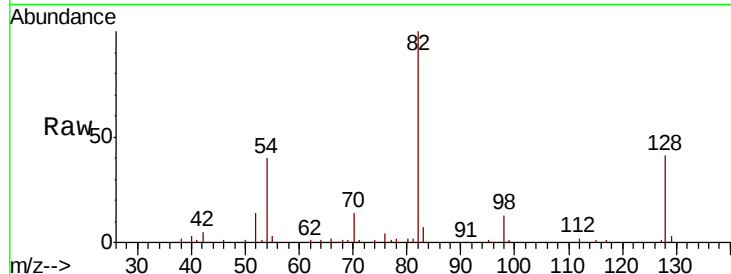
#23  
 Nitrobenzene-d5  
 Concen: 40.366 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.02 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-100119RE

| Tot Ion   | 82    | Resp  | 149848 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.1  | 32.3  | 48.5   |
| 54        | 40.5  | 33.3  | 49.9   |

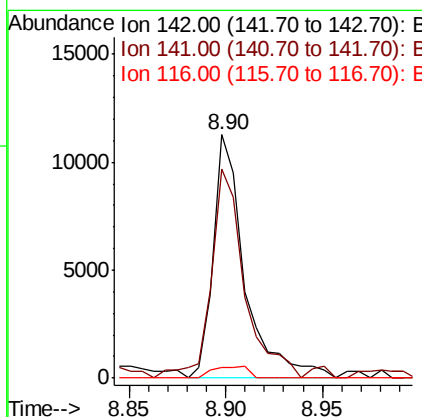
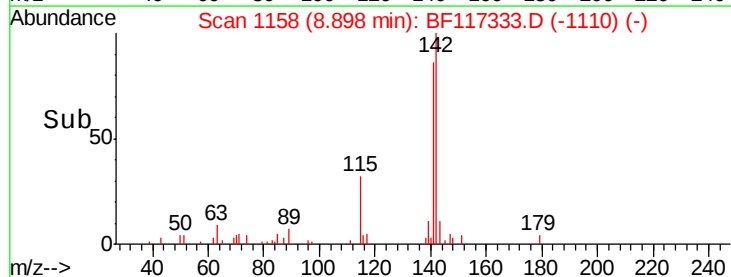
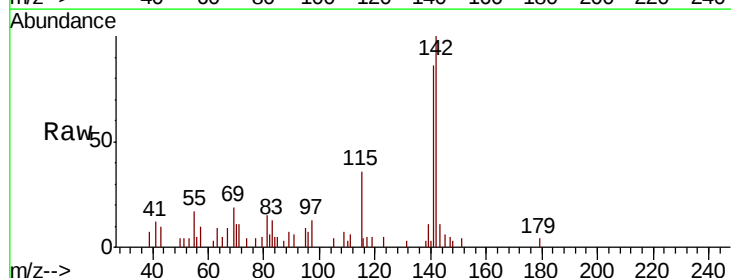
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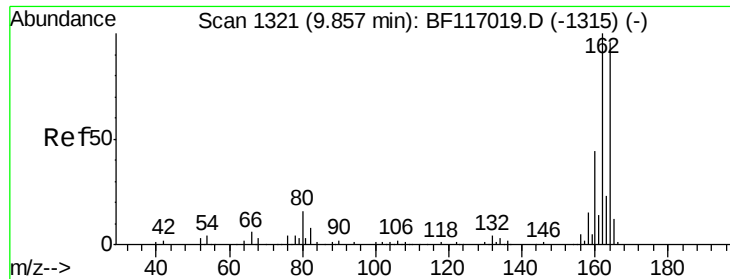
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#38  
 1-Methylnaphthalene  
 Concen: 2.154 ng m  
 RT: 8.90 min Scan# 1158  
 Delta R.T. -0.02 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

| Tgt Ion   | 142   | Resp  | 12743 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 86.0  | 71.9  | 107.9 |
| 116       | 4.3   | 3.2   | 4.8   |





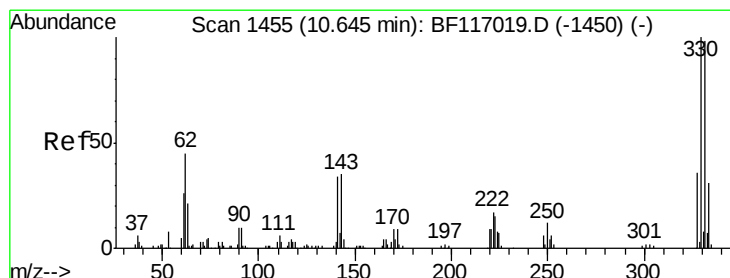
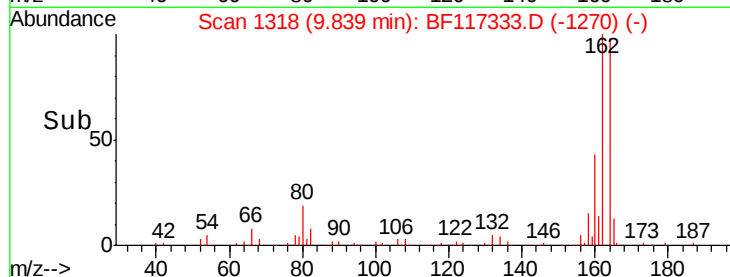
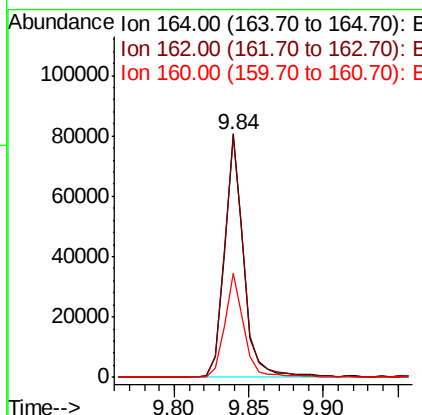
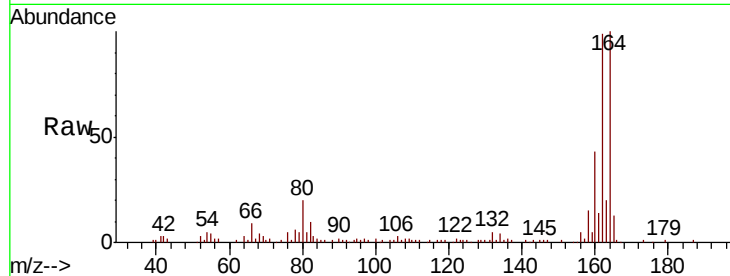
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. -0.02 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.0  | 83.4  | 125.2 |
| 160     | 42.7  | 36.4  | 54.6  |

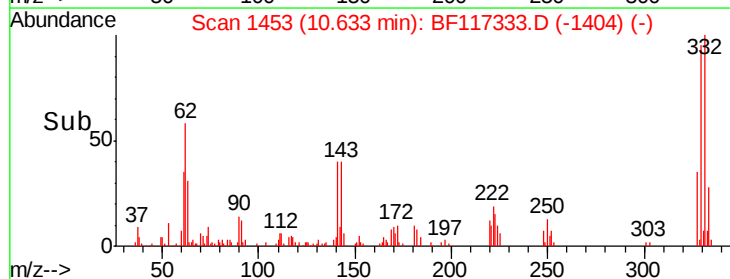
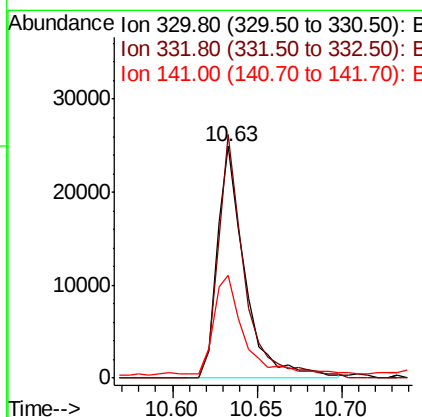
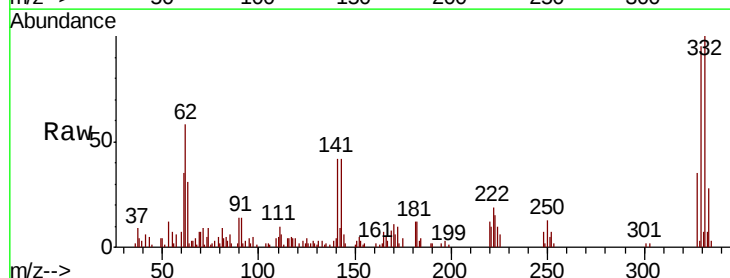
Manual Integrations  
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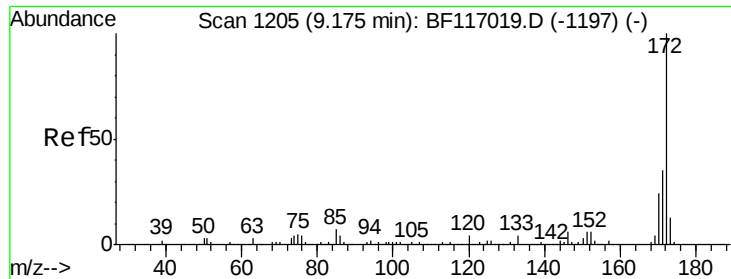
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#42  
 2,4,6-Tribromophenol  
 Concen: 46.885 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.01 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.1  | 78.0  | 117.0 |
| 141     | 45.8  | 35.8  | 53.6  |





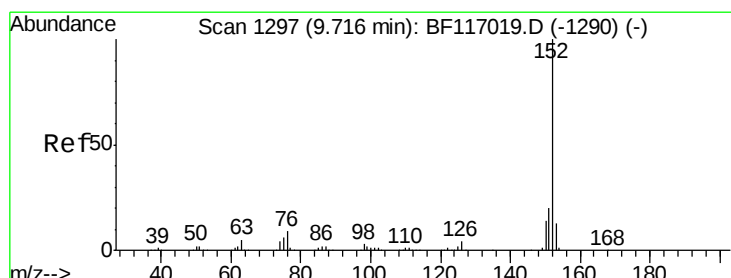
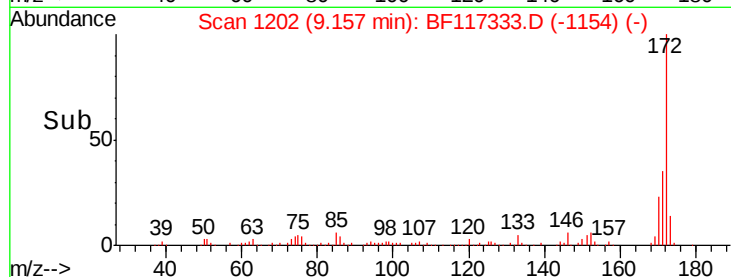
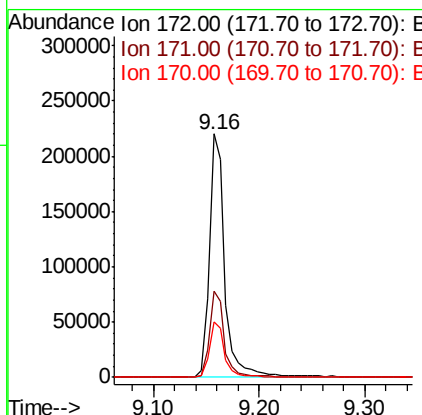
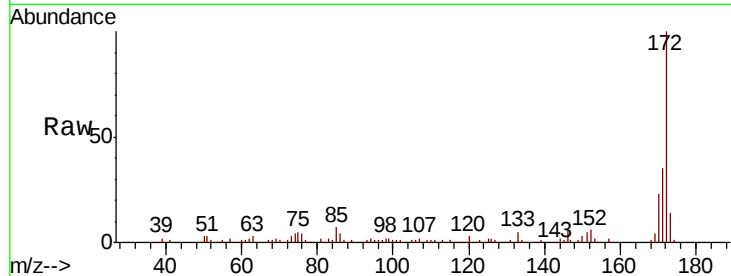
#45  
2-Fluorobiphenyl  
Concen: 48.394 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. -0.02 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 226076 |       |       |
| 171     | 35.2  |        | 28.2  | 42.2  |
| 170     | 22.8  |        | 18.9  | 28.3  |

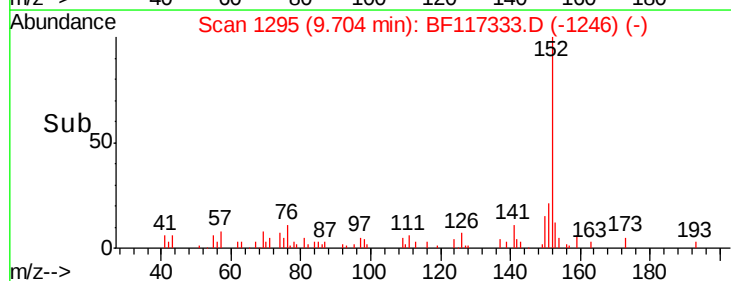
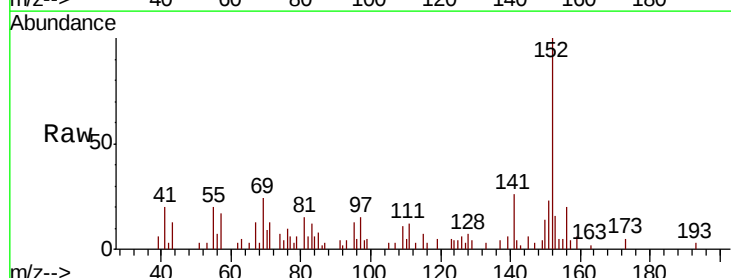
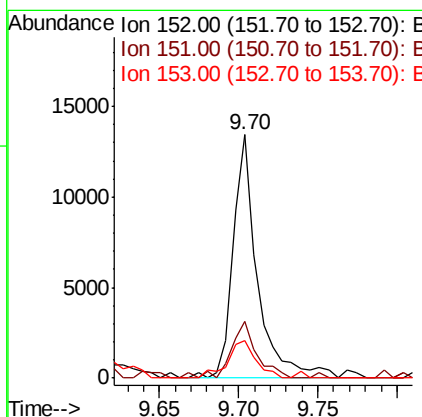
Manual Integrations  
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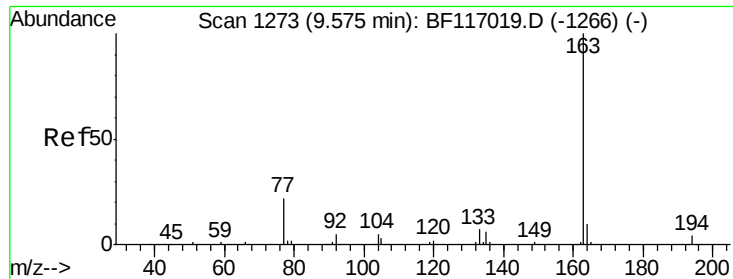
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#49  
Acenaphthylene  
Concen: 2.122 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 14373 |       |       |
| 151     | 23.0  |       | 16.2  | 24.2  |
| 153     | 15.6  |       | 10.2  | 15.4  |





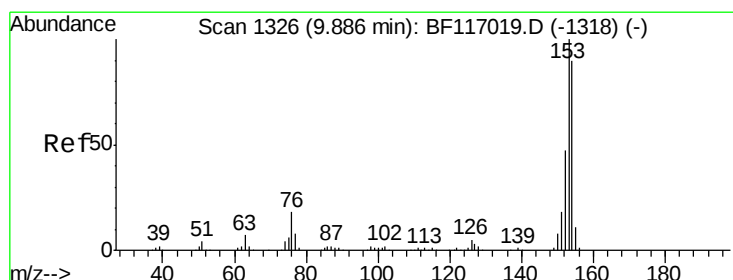
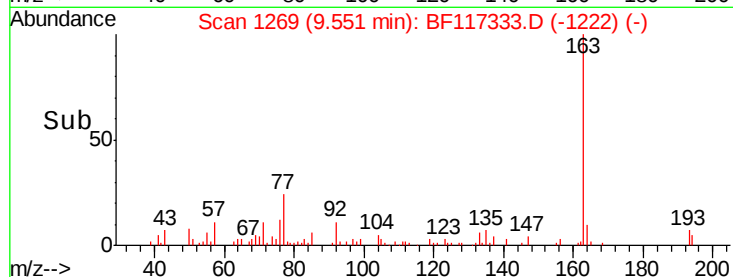
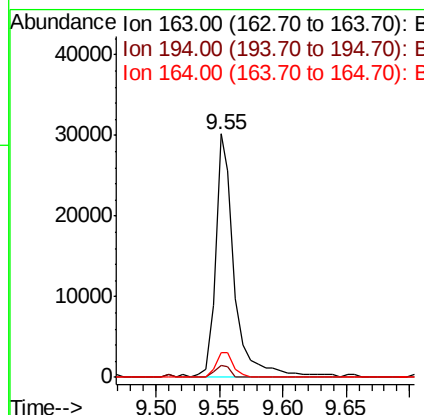
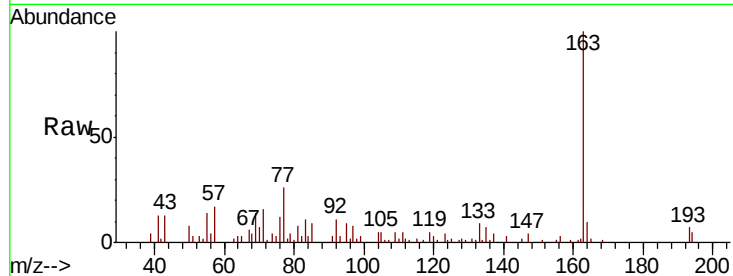
#50  
Dimethylphthalate  
Concen: 6.136 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 31732 |       |       |
| 194     | 4.9   |       | 2.9   | 4.3#  |
| 164     | 10.1  |       | 8.2   | 12.4  |

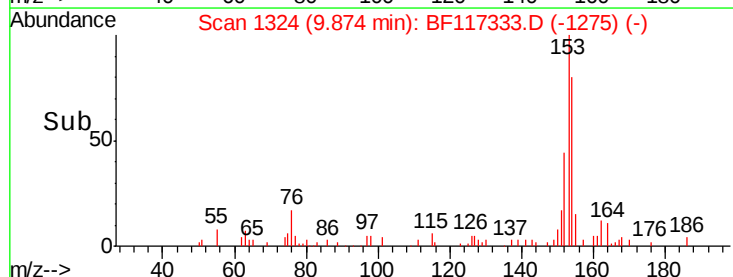
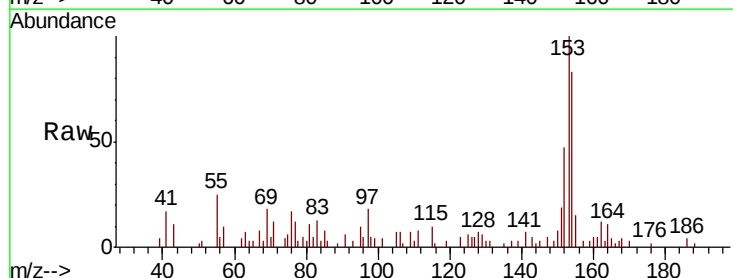
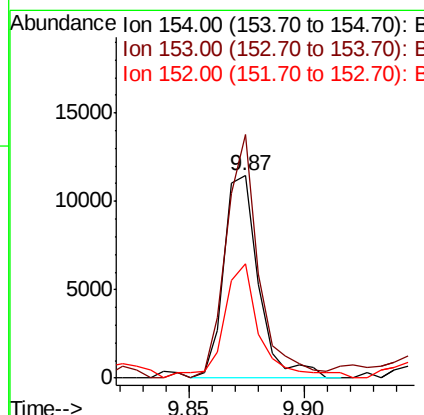
Manual Integrations  
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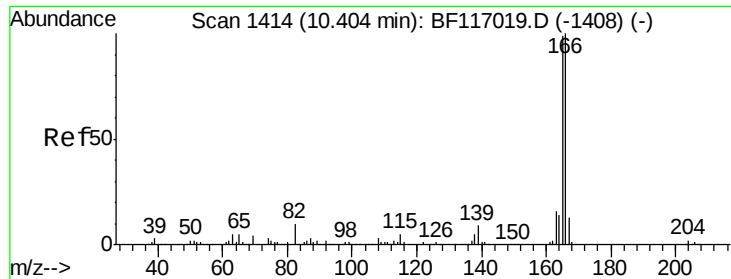
mohammad  
10/7/2019 8:26:09 AM



#52  
Acenaphthene  
Concen: 3.001 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 12052 |       |       |
| 153     | 120.3 |       | 89.0  | 133.6 |
| 152     | 56.2  |       | 41.9  | 62.9  |





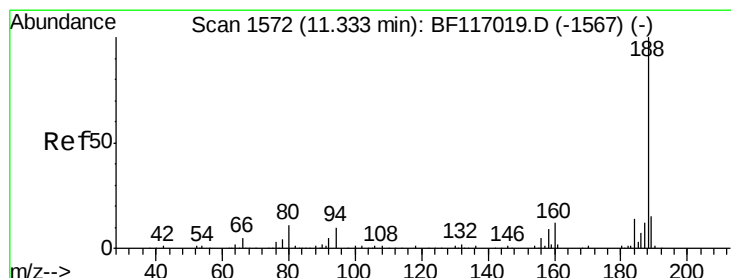
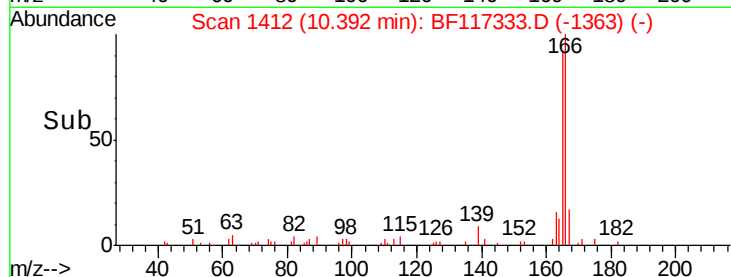
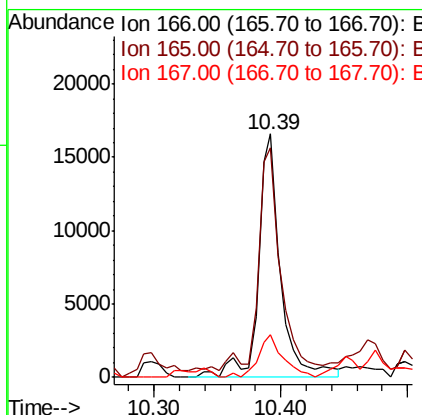
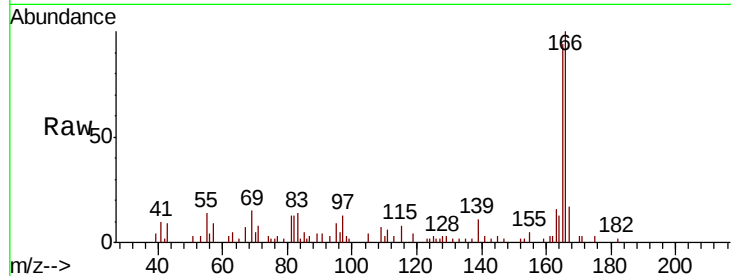
#58  
 Fluorene  
 Concen: 4.265 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. -0.01 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 94.3  | 78.9  | 118.3 |
| 167     | 17.4  | 10.6  | 15.8  |

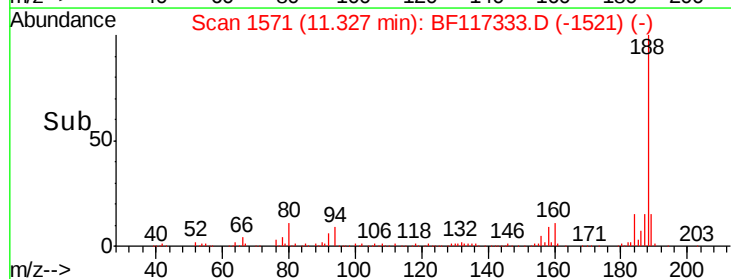
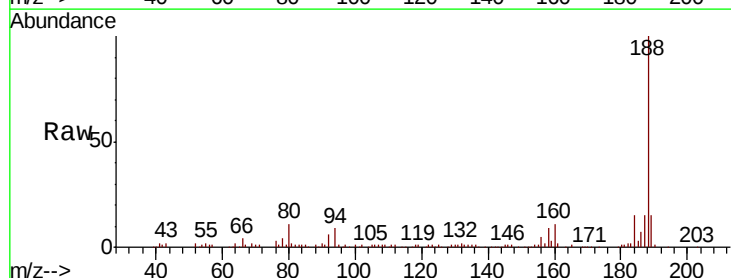
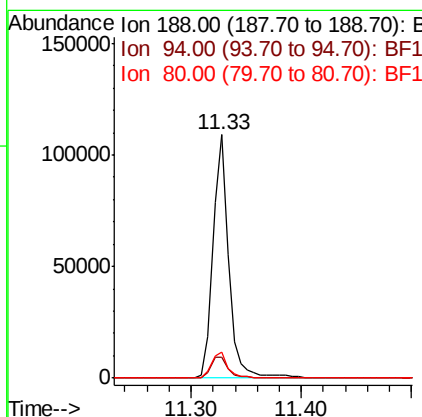
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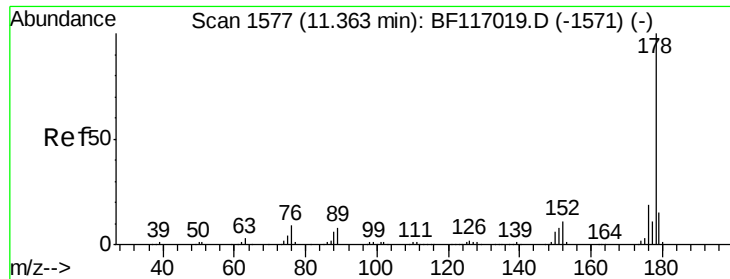
mohammad  
 10/7/2019 8:26:09 AM



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1571  
 Delta R.T. -0.01 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 8.2   | 12.2  |
| 80      | 10.9  | 9.0   | 13.6  |





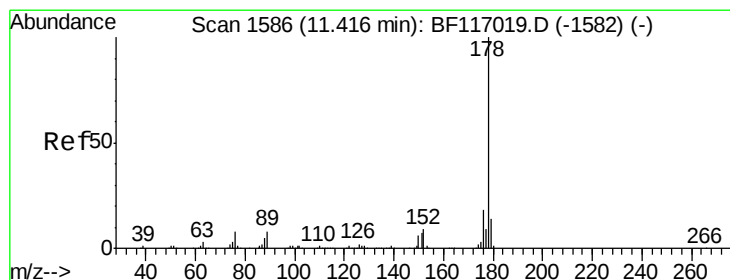
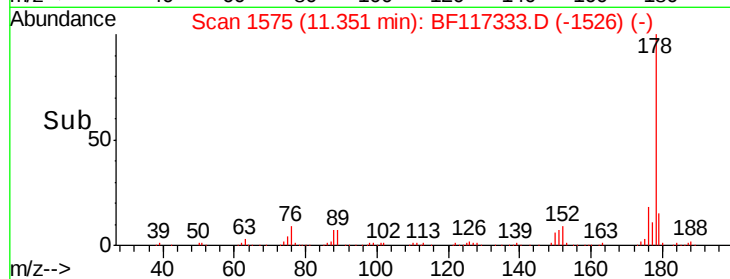
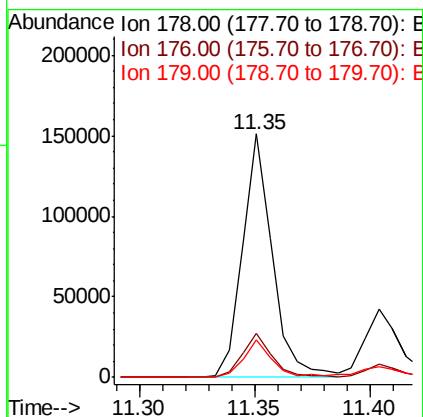
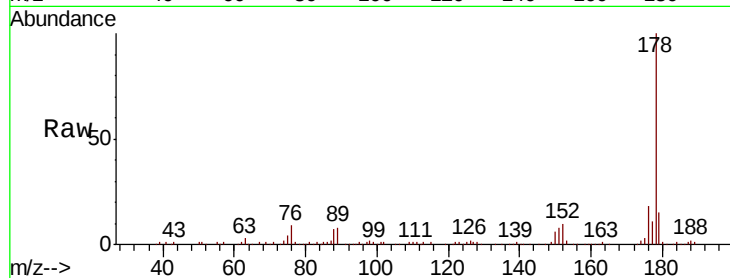
#71  
Phenanthrene  
Concen: 22.616 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.9  | 15.4  | 23.2  |
| 179     | 15.3  | 12.4  | 18.6  |

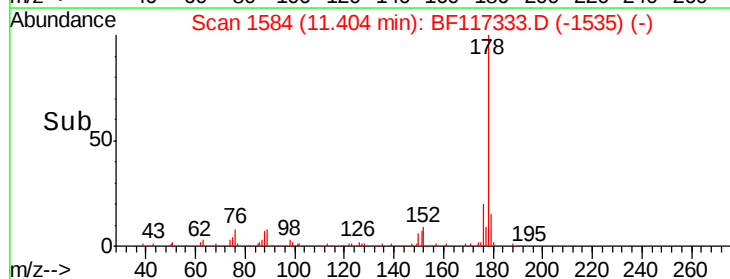
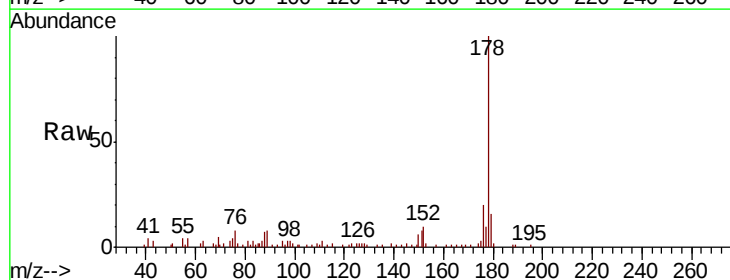
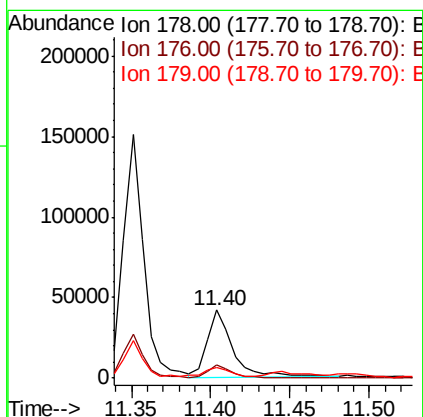
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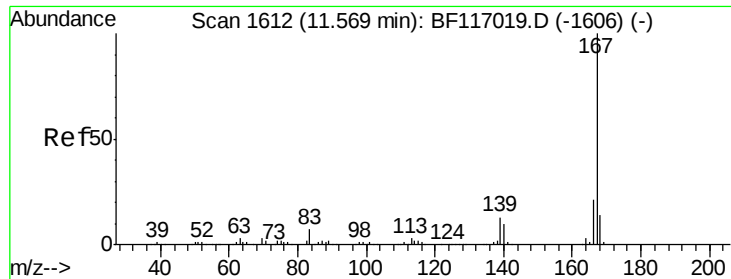
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#72  
Anthracene  
Concen: 7.588 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 14.6  | 21.8  |
| 179     | 16.0  | 11.6  | 17.4  |





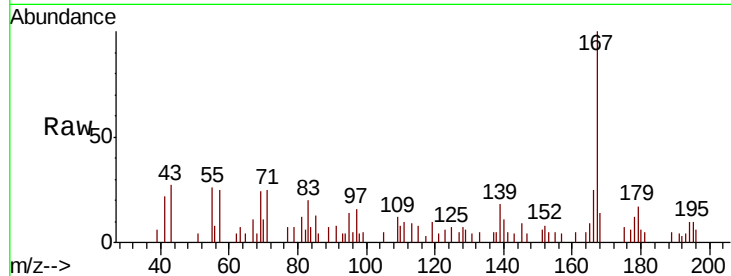
#73  
 Carbazole  
 Concen: 2.148 ng  
 RT: 11.56 min Scan# 1611  
 Delta R.T. -0.01 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-100119RE

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 12601   | 167 | 100   |      |       |       |
|         | 166 | 25.2  |      | 17.2  | 25.8  |
|         | 139 | 18.4  |      | 10.6  | 16.0  |

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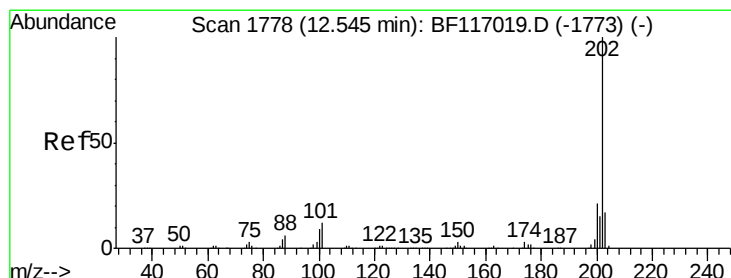
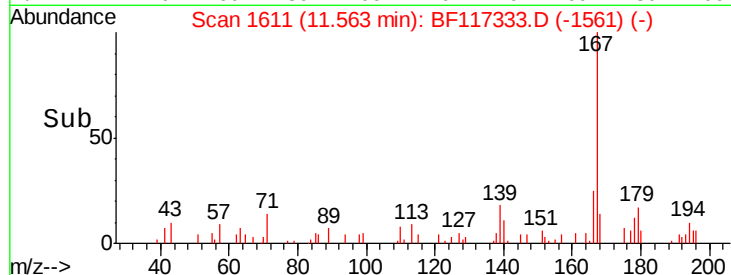
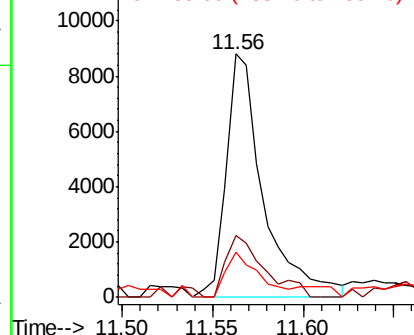


Abundance

Ion 167.00 (166.70 to 167.70): E

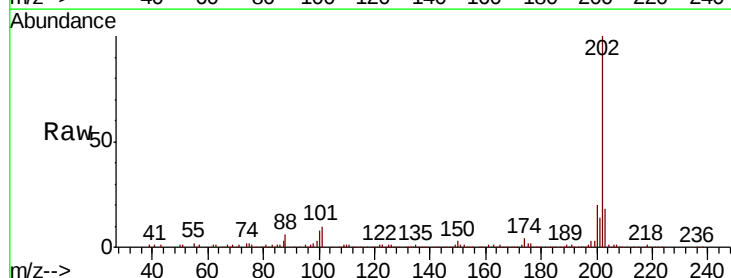
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75  
 Fluoranthene  
 Concen: 33.698 ng  
 RT: 12.54 min Scan# 1778  
 Delta R.T. -0.00 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 209591  | 202 | 100   |      |       |       |
|         | 101 | 10.3  |      | 0.0   | 32.3  |
|         | 203 | 17.6  |      | 0.0   | 37.1  |

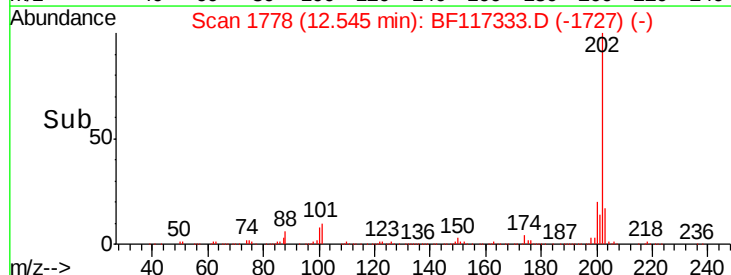
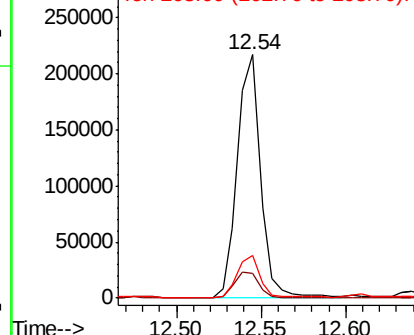


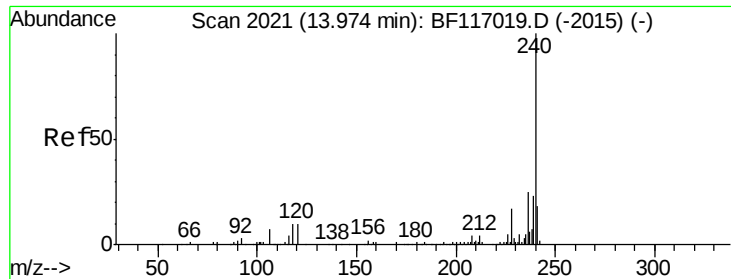
Abundance

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





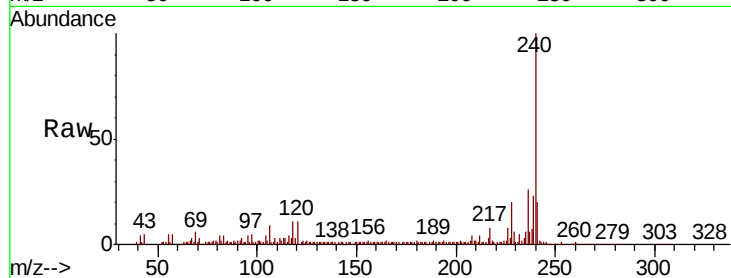
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.00 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

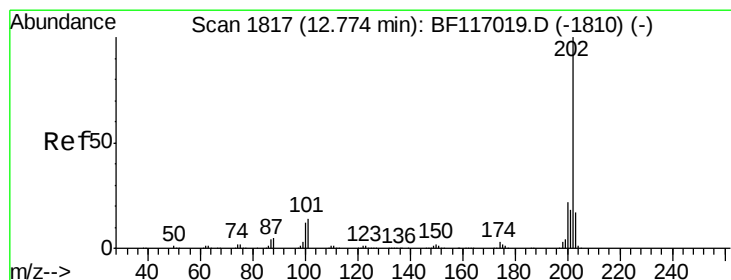
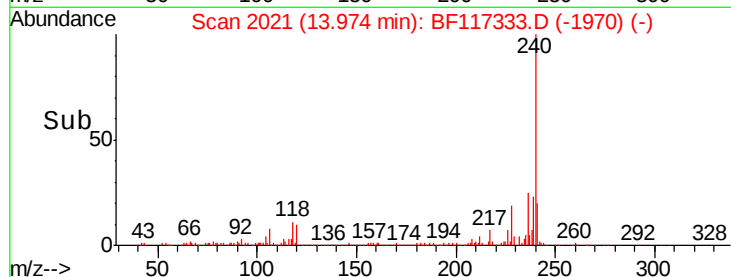
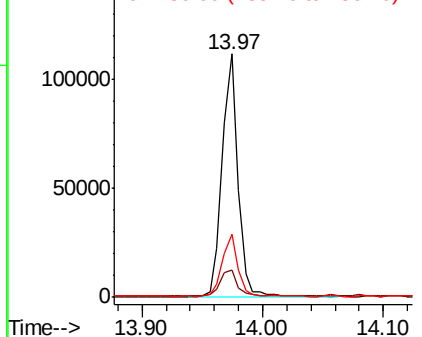
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 100498 |       |       |
| 120     | 11.0  |        | 8.3   | 12.5  |
| 236     | 26.0  |        | 20.3  | 30.5  |

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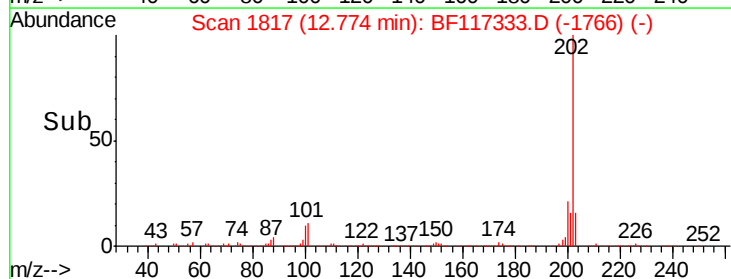
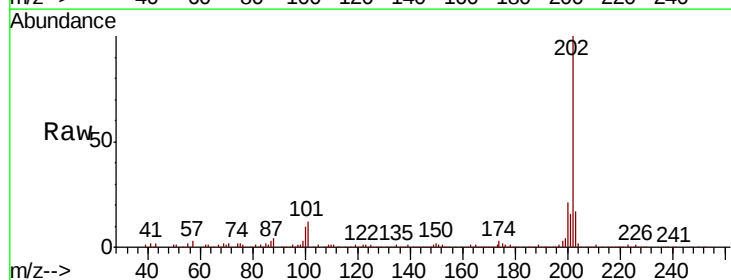
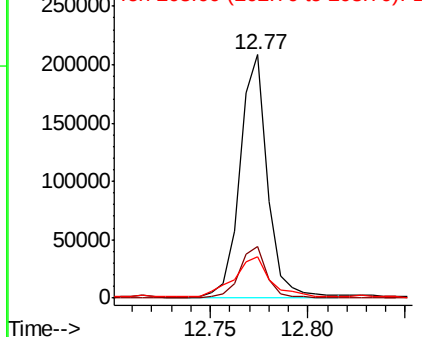
Abundance Ion 240.00 (239.70 to 240.70): E  
150000  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

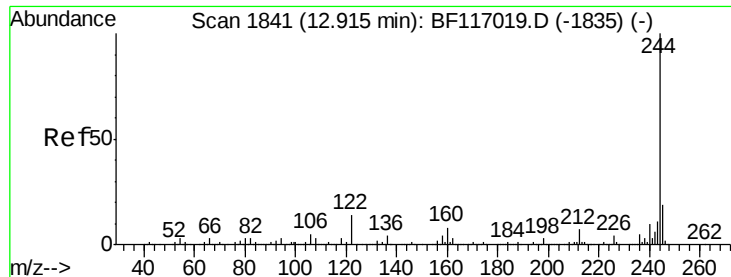


#78  
Pyrene  
Concen: 24.127 ng  
RT: 12.77 min Scan# 1817  
Delta R.T. -0.00 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 203455 |       |       |
| 200     | 21.3  |        | 17.2  | 25.8  |
| 203     | 17.0  |        | 14.0  | 21.0  |

Abundance Ion 202.00 (201.70 to 202.70): E  
250000  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





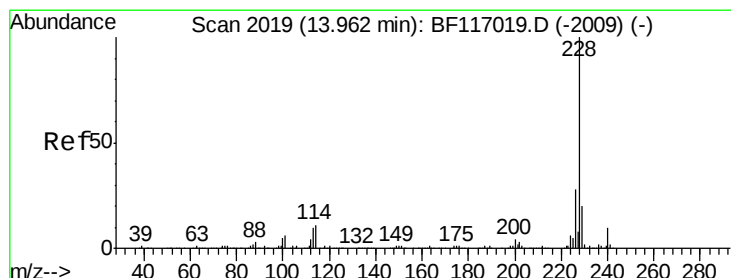
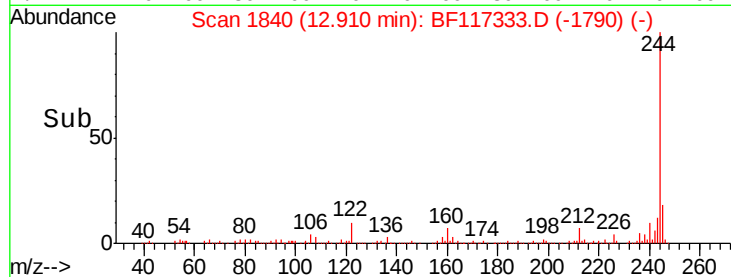
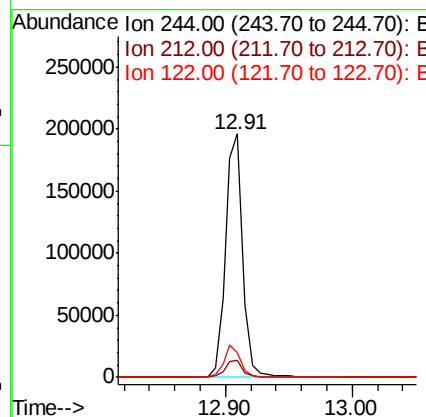
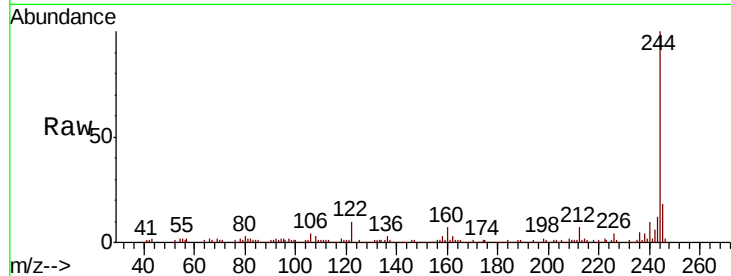
#79  
 Terphenyl-d14  
 Concen: 34.501 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. -0.01 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

Instrument :  
 BNA\_F  
 ClientSampleID :  
 OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.8   | 8.8   |
| 122     | 10.3  | 11.3  | 16.9  |

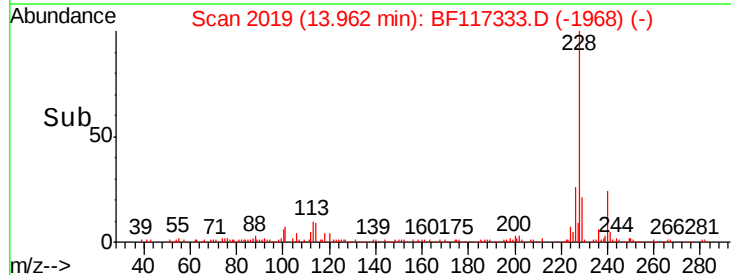
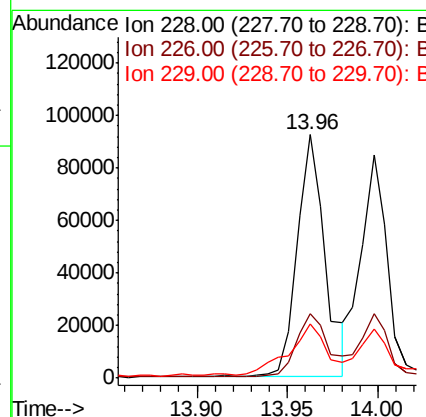
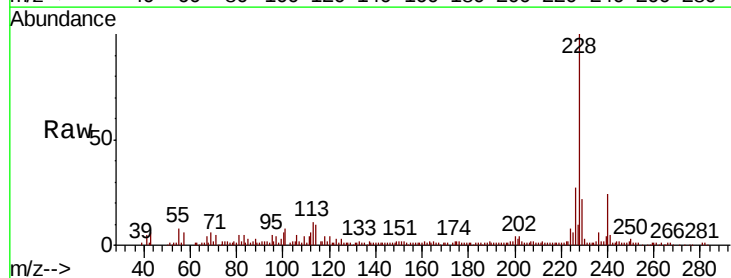
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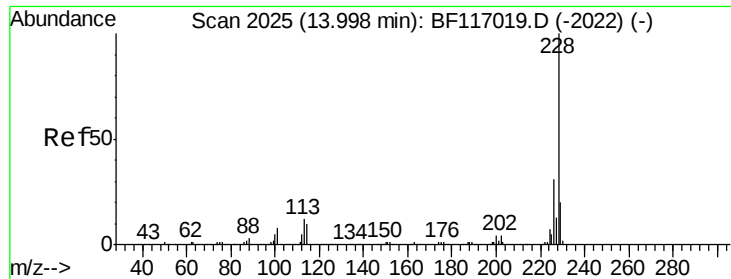
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#81  
 Benzo(a)anthracene  
 Concen: 14.970 ng  
 RT: 13.96 min Scan# 2019  
 Delta R.T. -0.00 min  
 Lab File: BF117333.D  
 Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.6  | 22.3  | 33.5  |
| 229     | 22.1  | 15.9  | 23.9  |





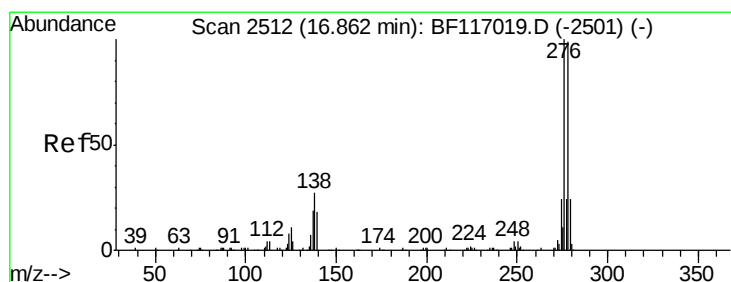
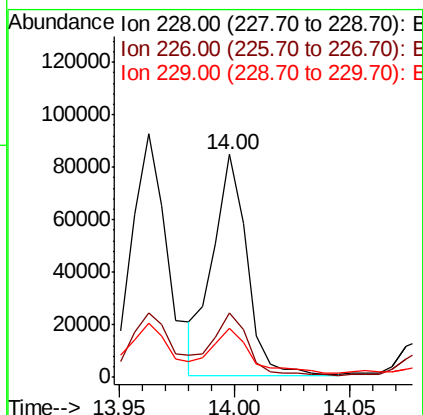
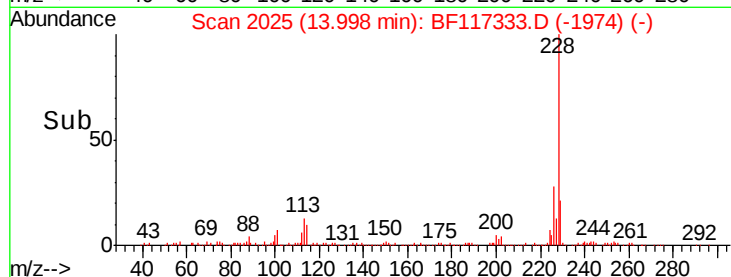
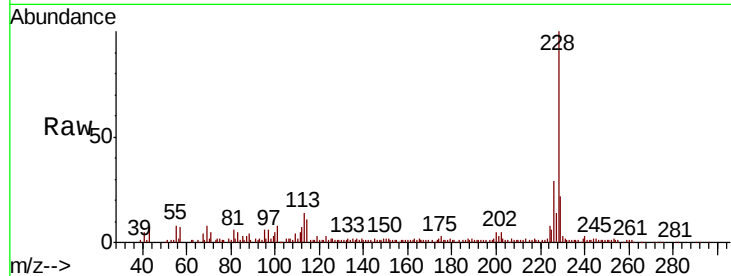
#83  
Chrysene  
Concen: 13.156 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.00 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.1  | 24.8  | 37.2  |
| 229     | 21.8  | 15.8  | 23.8  |

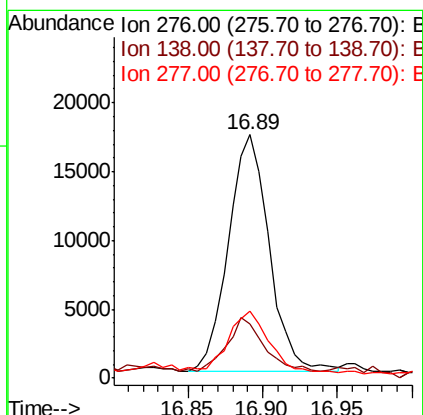
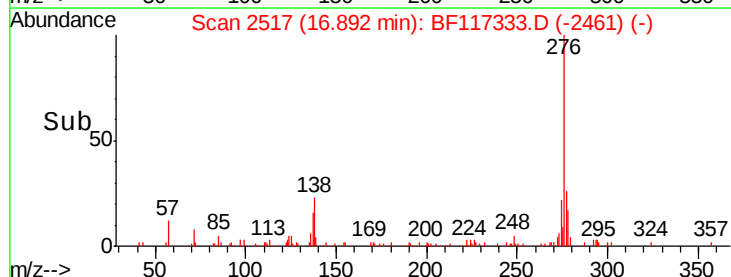
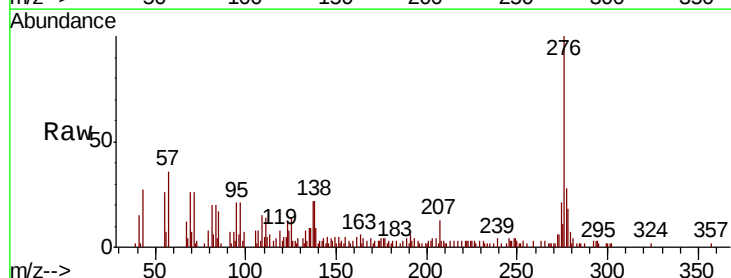
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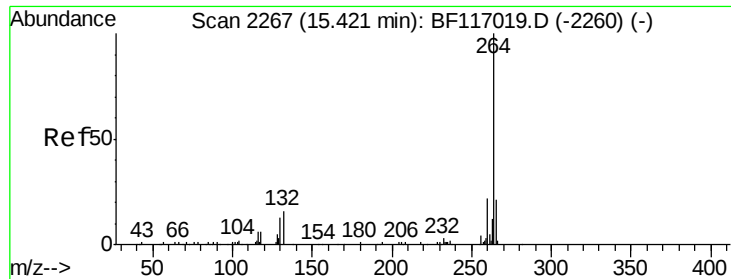
mohammad  
10/7/2019 8:26:09 AM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 6.850 ng  
RT: 16.89 min Scan# 2517  
Delta R.T. 0.03 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.3  | 20.7  | 31.1# |
| 277     | 25.2  | 19.8  | 29.8  |





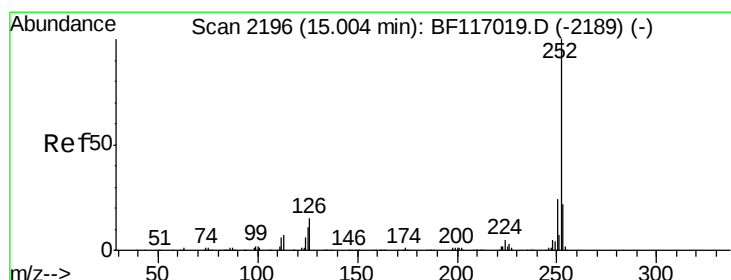
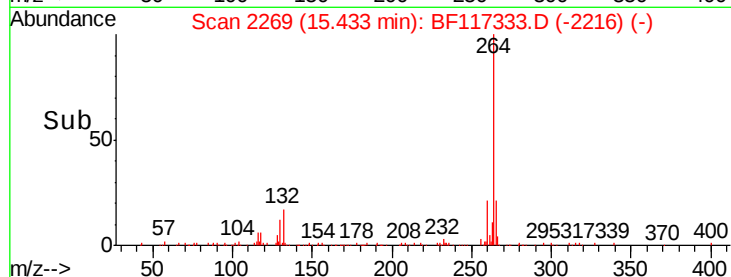
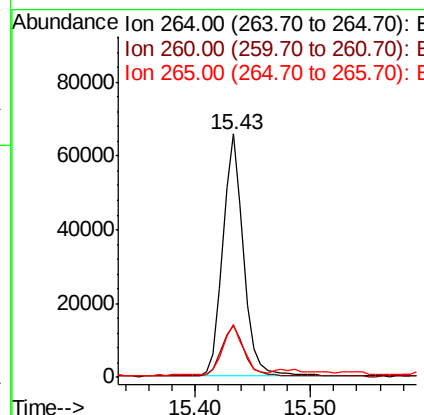
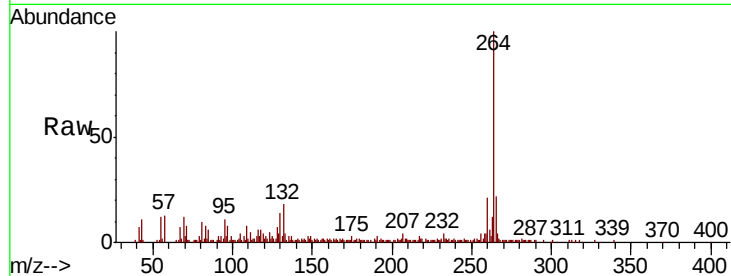
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. 0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.4  | 17.6  | 26.4  |
| 265     | 21.7  | 16.6  | 24.8  |

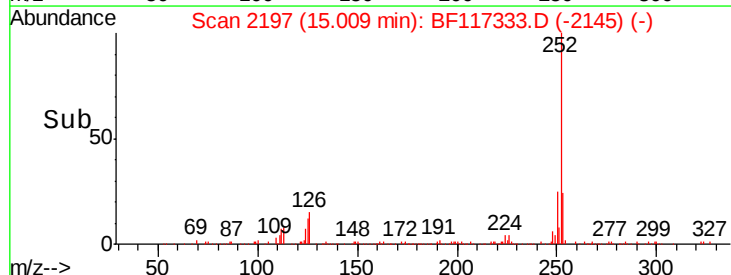
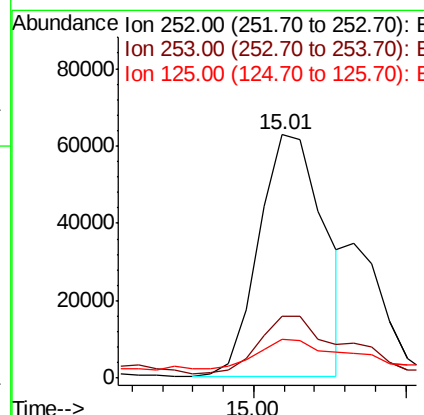
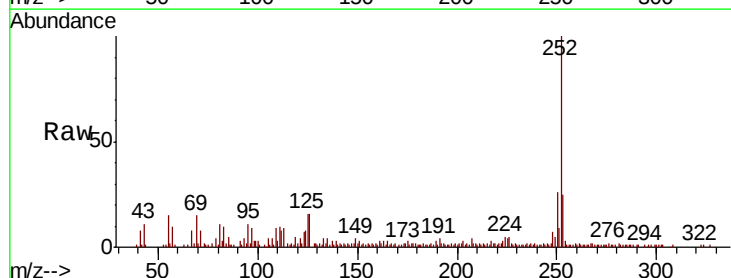
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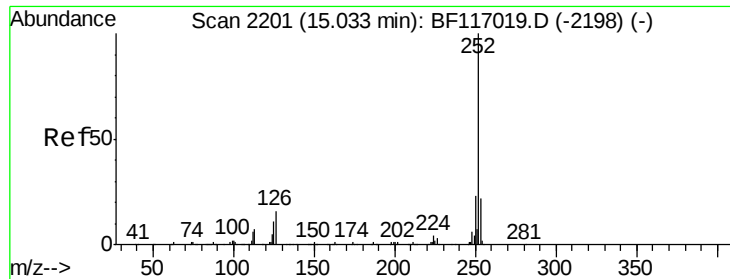
mohammad  
10/7/2019 8:26:09 AM



#88  
Benzo(b)fluoranthene  
Concen: 18.830 ng m  
RT: 15.01 min Scan# 2197  
Delta R.T. 0.01 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.4  | 17.6  | 26.4  |
| 125     | 16.1  | 8.6   | 12.8# |





#89

Benzo(k)fluoranthene

Concen: 6.534 ng m

RT: 15.03 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BF117333.D

Acq: 3 Oct 2019 22:51

Instrument :

BNA\_F

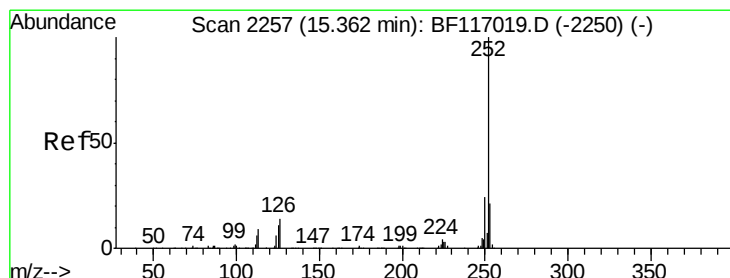
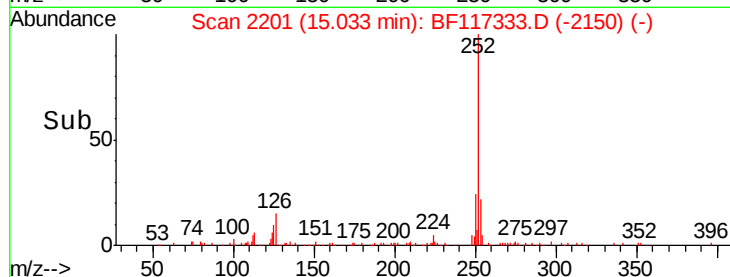
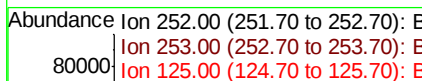
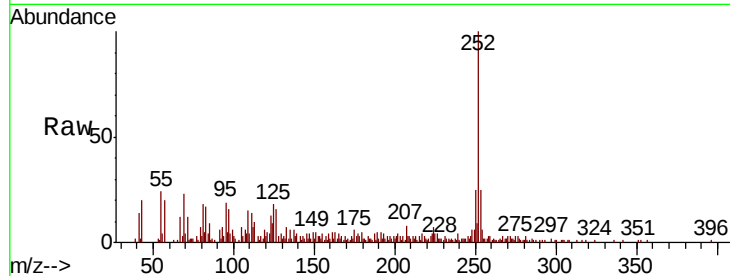
ClientSampleId :

OR-02-100119RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 30620 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.5  | 17.4  | 26.2  |
| 125       | 18.0  | 8.8   | 13.2# |

Manual Integrations  
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#90

Benzo(a)pyrene

Concen: 15.249 ng

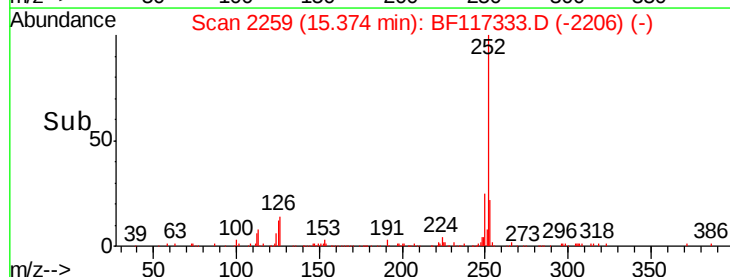
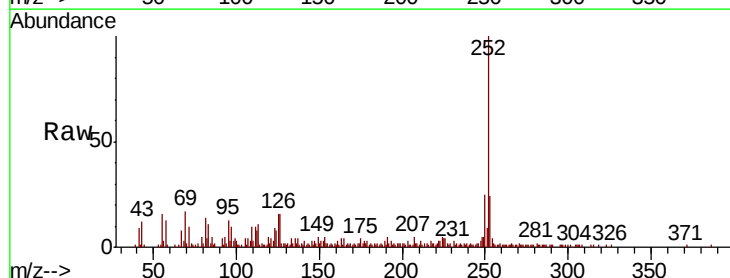
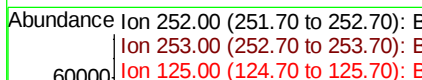
RT: 15.37 min Scan# 2259

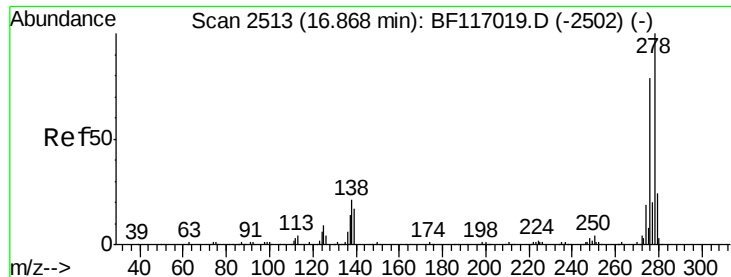
Delta R.T. 0.01 min

Lab File: BF117333.D

Acq: 3 Oct 2019 22:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 66195 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.9  | 16.6  | 25.0  |
| 125       | 16.3  | 8.9   | 13.3# |





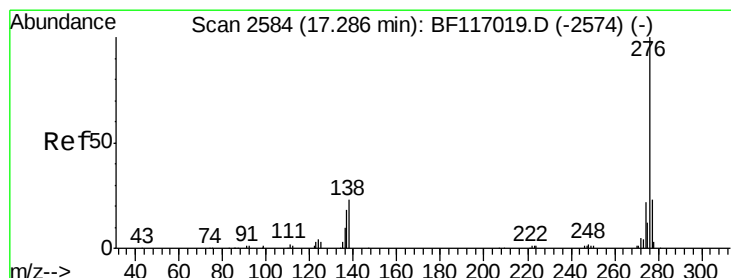
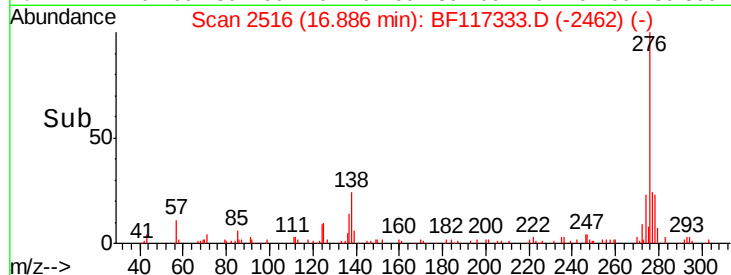
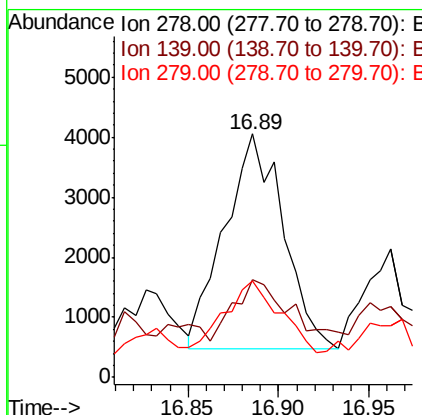
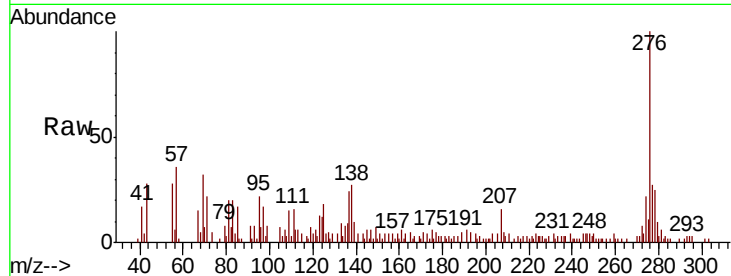
#91  
Dibenzo(a,h)anthracene  
Concen: 2.317 ng  
RT: 16.89 min Scan# 2516  
Delta R.T. 0.02 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-100119RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 40.2  | 13.5  | 20.3# |
| 279     | 39.5  | 18.8  | 28.2# |

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 9.959 ng  
RT: 17.33 min Scan# 2592  
Delta R.T. 0.05 min  
Lab File: BF117333.D  
Acq: 3 Oct 2019 22:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.6  | 27.8  |
| 138     | 24.7  | 18.0  | 27.0  |

