

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\  
 Data File : BF111910.D  
 Acq On : 8 Jan 2019 16:41  
 Operator : JU/SJ  
 Sample : K1075-17  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BASIN-9

Manual Integrations  
 APPROVED

Sohil  
 1/9/2019 10:36:47 AM

Quant Time: Jan 08 18:19:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 169218   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 489467   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.92  | 164  | 176042   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.41 | 188  | 338919   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.06 | 240  | 278655   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.55 | 264  | 213916   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 827248  | 83.64 | ng | 0.00  |
| 7) Phenol-d6             | 6.53  | 99  | 1079780 | 84.70 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 666093  | 72.73 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 207089  | 90.44 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 9.24  | 172 | 991186  | 82.10 | ng | -0.01 |
| 79) Terphenyl-d14        | 12.99 | 244 | 888685  | 60.54 | ng | 0.00  |

## Target Compounds

|                            |       |     |          |         |    | Qvalue |
|----------------------------|-------|-----|----------|---------|----|--------|
| 10) Phenol                 | 6.54  | 94  | 55855    | 4.031   | ng | # 72   |
| 31) Naphthalene            | 8.19  | 128 | 101209   | 4.356   | ng | 99     |
| 37) 2-Methylnaphthalene    | 8.88  | 142 | 68300    | 4.744   | ng | 99     |
| 38) 1-Methylnaphthalene    | 8.97  | 142 | 42328    | 3.065   | ng | 100    |
| 46) 1,1'-Biphenyl          | 9.34  | 154 | 37203    | 2.526   | ng | 98     |
| 50) Dimethylphthalate      | 9.63  | 163 | 98426    | 7.443   | ng | 99     |
| 52) Acenaphthene           | 9.95  | 154 | 318189   | 28.886  | ng | 99     |
| 55) Dibenzofuran           | 10.13 | 168 | 268000   | 16.729  | ng | 97     |
| 58) Fluorene               | 10.47 | 166 | 401166   | 34.415  | ng | 98     |
| 71) Phenanthrene           | 11.45 | 178 | 3392713  | 187.233 | ng | 96     |
| 72) Anthracene             | 11.49 | 178 | 1325274  | 72.047  | ng | 99     |
| 73) Carbazole              | 11.64 | 167 | 235123   | 13.141  | ng | 99     |
| 75) Fluoranthene           | 12.65 | 202 | 4655863  | 250.287 | ng | 93     |
| 78) Pyrene                 | 12.87 | 202 | 3756163  | 195.907 | ng | 96     |
| 81) Benzo(a)anthracene     | 14.05 | 228 | 2126772  | 132.616 | ng | 98     |
| 83) Chrysene               | 14.09 | 228 | 1708424  | 111.728 | ng | 96     |
| 86) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 617185   | 55.365  | ng | 97     |
| 88) Benzo(b)fluoranthene   | 15.12 | 252 | 1735942m | 135.660 | ng |        |
| 89) Benzo(k)fluoranthene   | 15.14 | 252 | 483510m  | 40.198  | ng |        |
| 90) Benzo(a)pyrene         | 15.49 | 252 | 1115148  | 99.112  | ng | 96     |
| 91) Dibenzo(a,h)anthracene | 17.06 | 278 | 166126   | 18.358  | ng | 96     |
| 92) Benzo(g,h,i)perylene   | 17.51 | 276 | 529040   | 59.771  | ng | 99     |

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

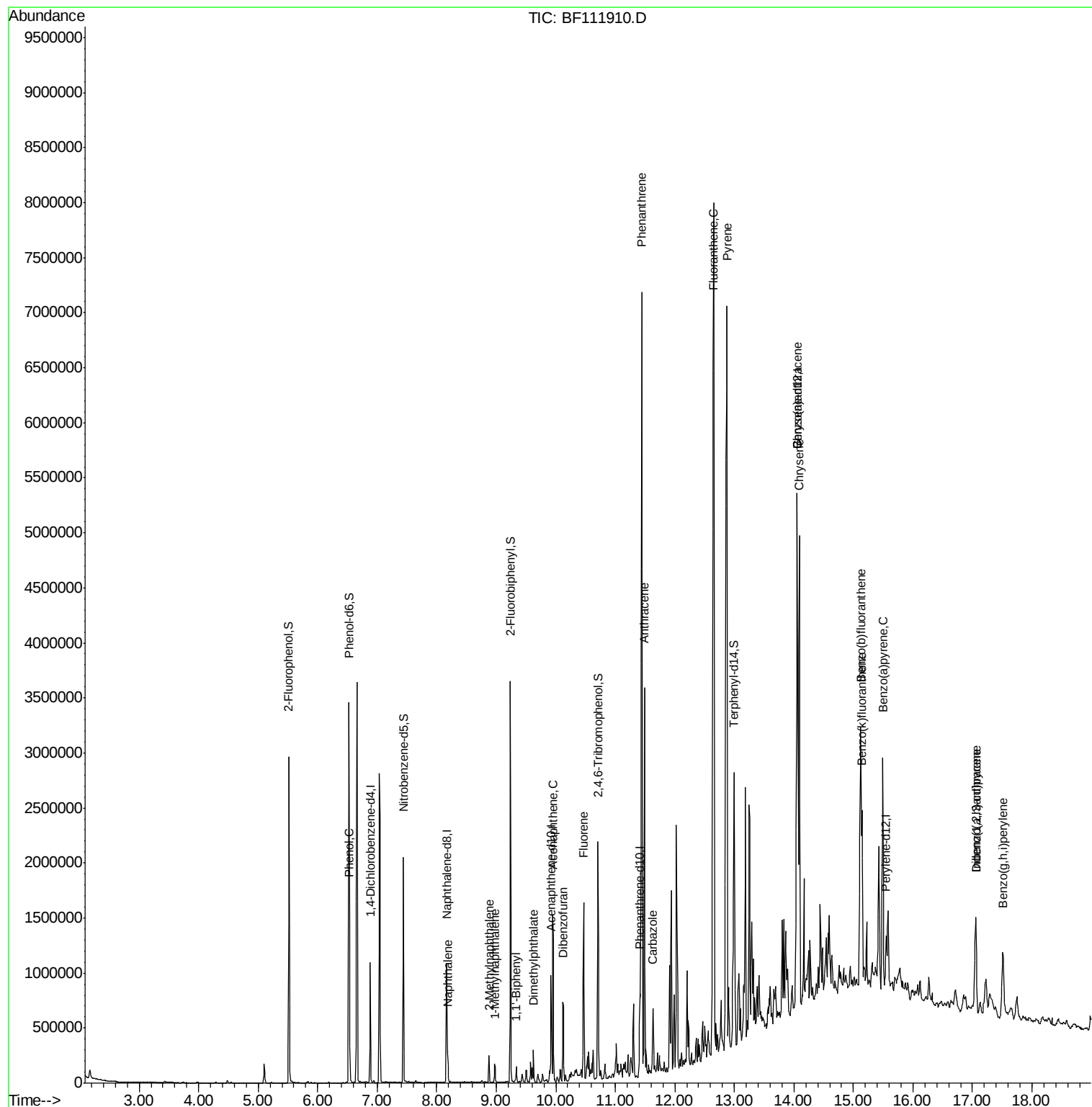
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\  
Data File : BF111910.D  
Acq On : 8 Jan 2019 16:41  
Operator : JU/SJ  
Sample : K1075-17  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

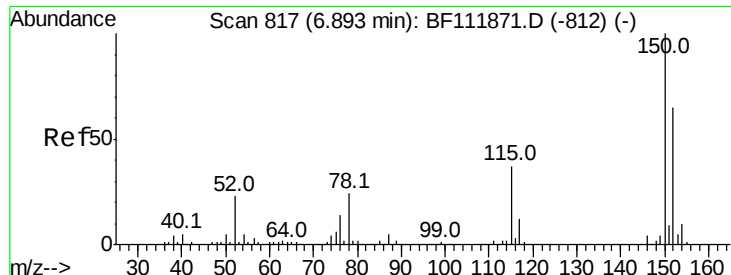
Instrument :  
BNA\_F  
ClientSampled :  
BASIN-9

Manual Integrations  
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1/9/2019 10:36:47 AM

Quant Time: Jan 08 18:19:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 07 14:33:51 2019  
Response via : Initial Calibration





#1

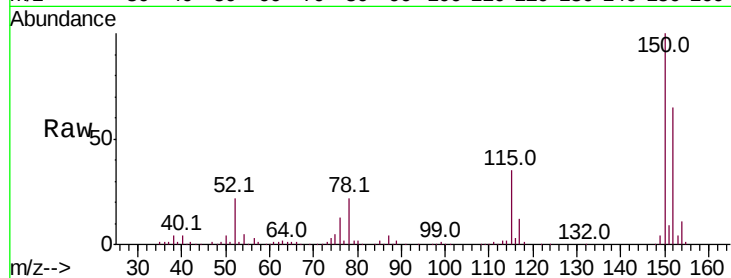
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampled :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.4 | 122.7 | 184.1 |
| 115     | 54.0  | 45.2  | 67.8  |

Manual Integrations  
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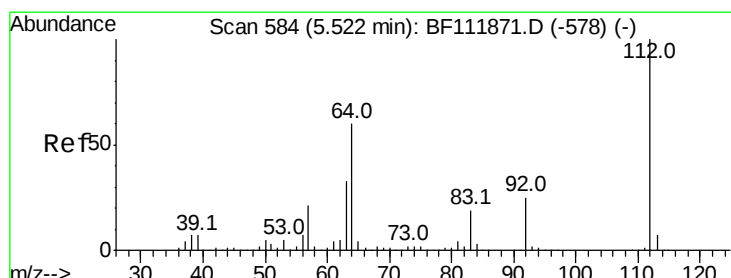
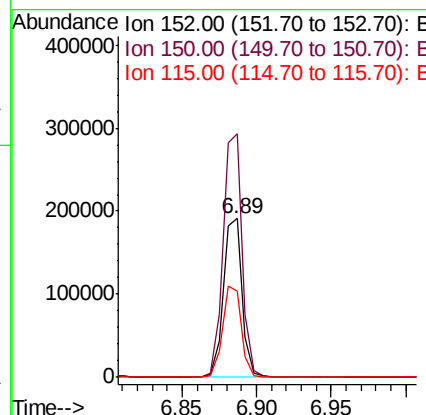
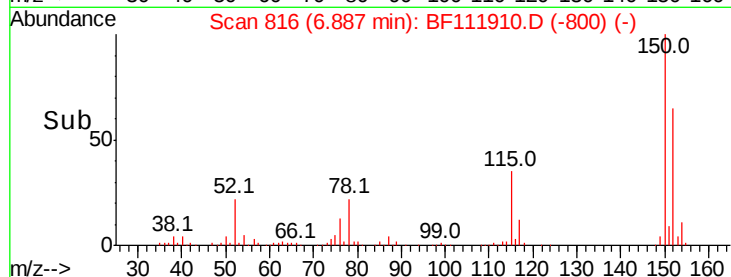


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

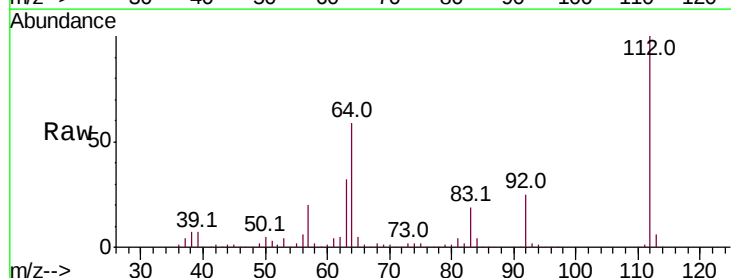
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 83.636 ng  
RT: 5.52 min Scan# 584  
Delta R.T. 0.00 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.0  | 48.3  | 72.5  |
| 63      | 32.4  | 26.1  | 39.1  |

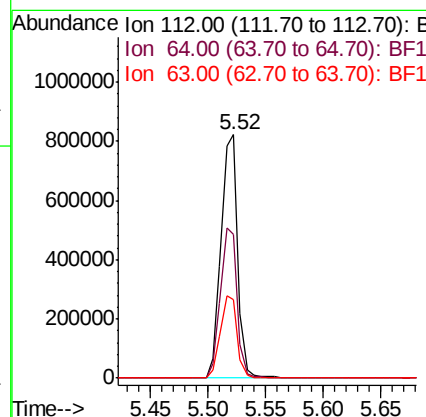
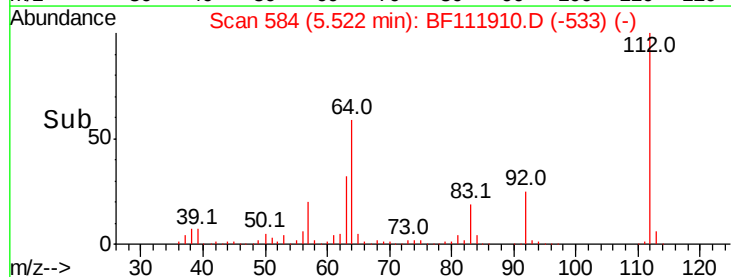


Abundance

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: 84.699 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111910.D

Acq: 8 Jan 2019 16:41

Instrument :

BNA\_F

ClientSampled :

BASIN-9

Tot Ion: 99 Resp: 1079780

Ion Ratio Lower Upper

99 100

42 22.0 17.9 26.9

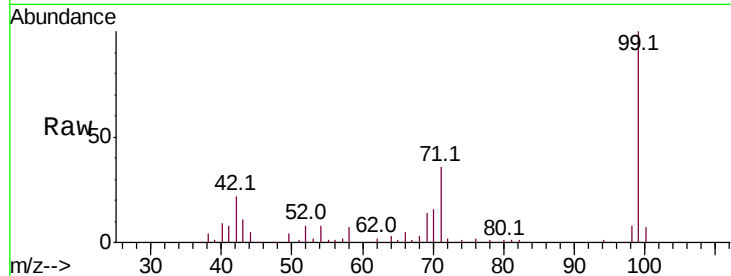
71 35.9 28.7 43.1

Manual Integrations

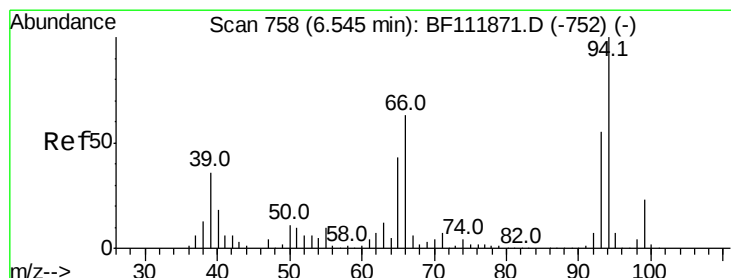
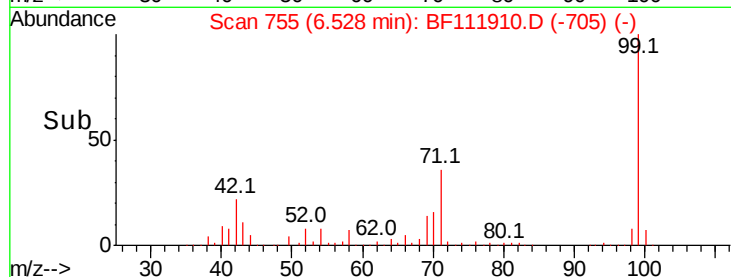
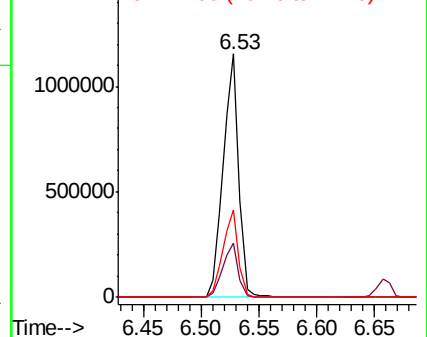
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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.031 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111910.D

Acq: 8 Jan 2019 16:41

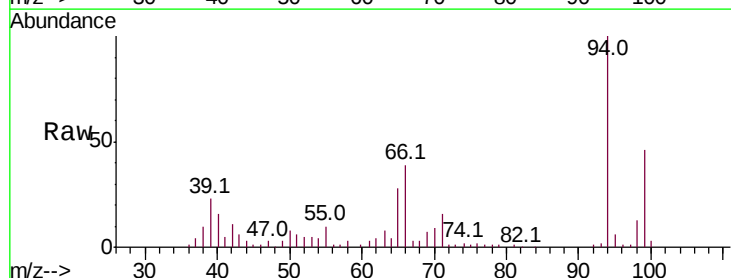
Tgt Ion: 94 Resp: 55855

Ion Ratio Lower Upper

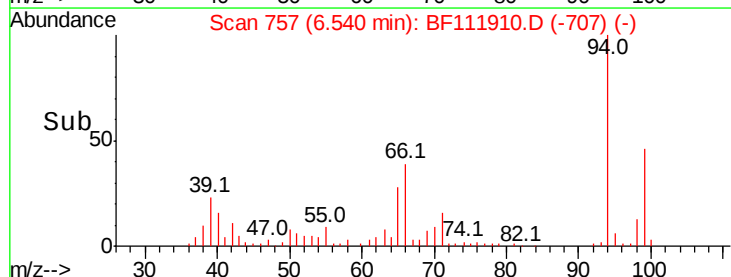
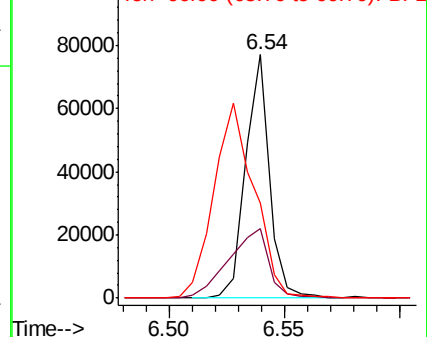
94 100

65 28.5 22.8 62.8

66 39.1 43.3 83.3#



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





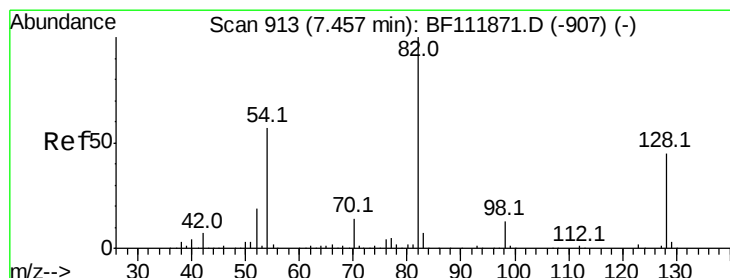
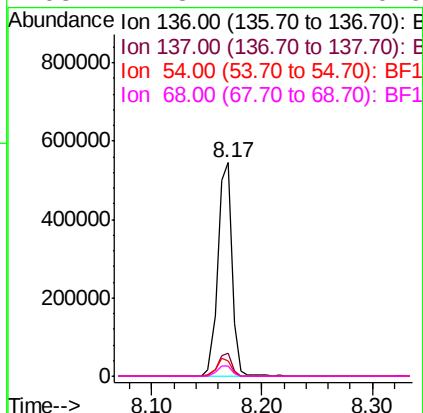
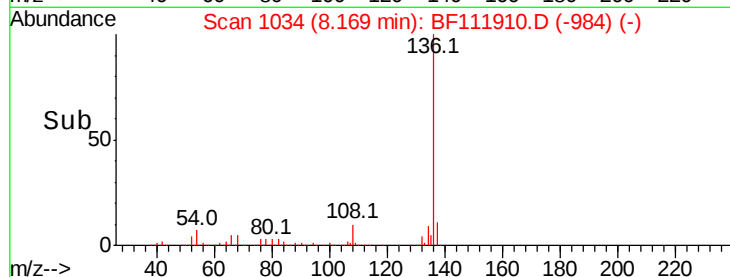
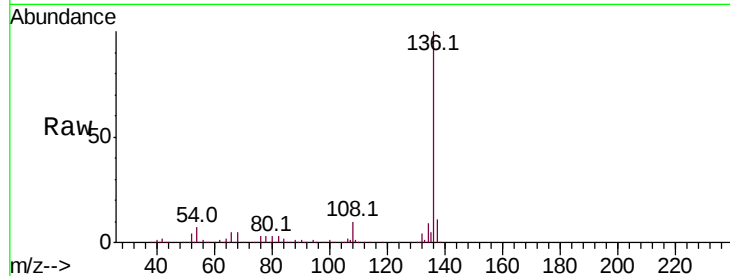
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.6  | 9.1  | 13.7  |       |
| 54      | 7.4   | 7.2  | 10.8  |       |
| 68      | 4.8   | 4.4  | 6.6   |       |

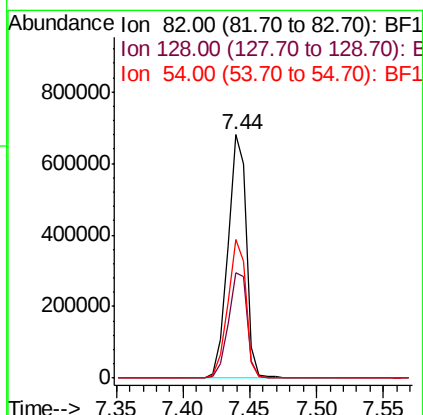
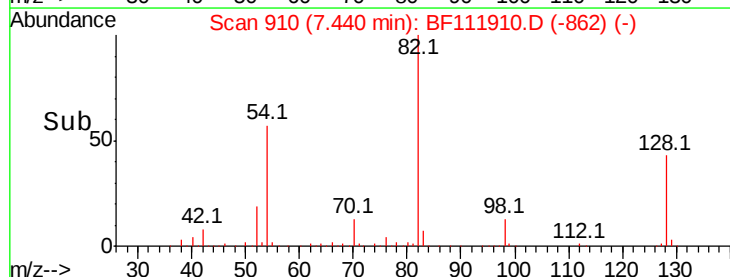
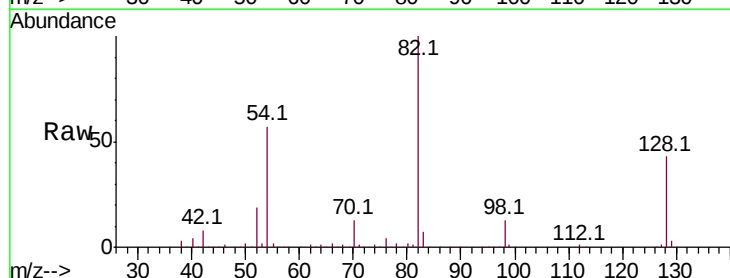
Manual Integrations  
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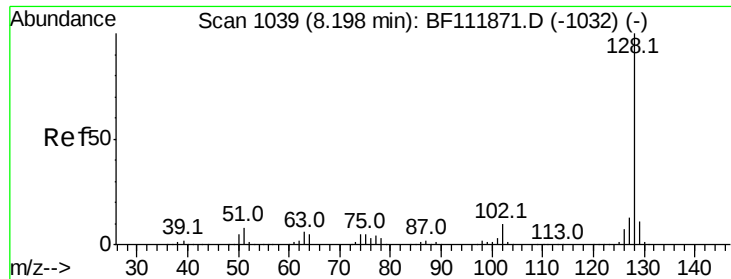
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#23  
Nitrobenzene-d5  
Concen: 72.731 ng  
RT: 7.44 min Scan# 910  
Delta R.T. -0.02 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 43.2  | 35.7 | 53.5  |       |
| 54      | 56.7  | 45.8 | 68.8  |       |





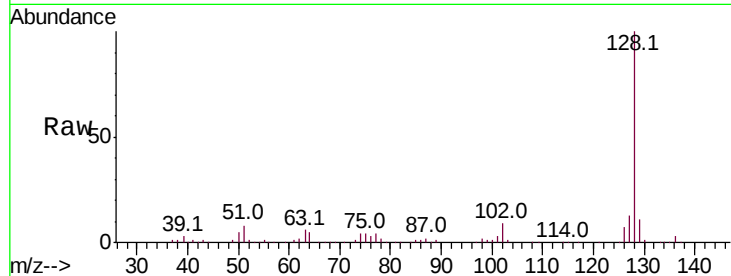
#31  
Naphthalene  
Concen: 4.356 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 9.0   | 13.4  |
| 127     | 12.8  | 10.7  | 16.1  |

Manual Integrations  
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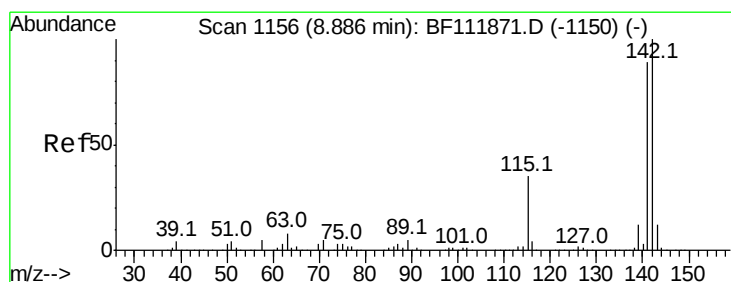
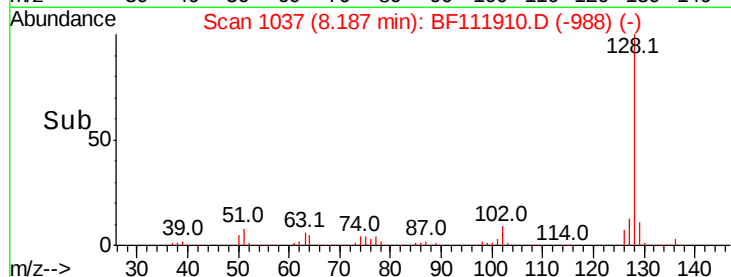
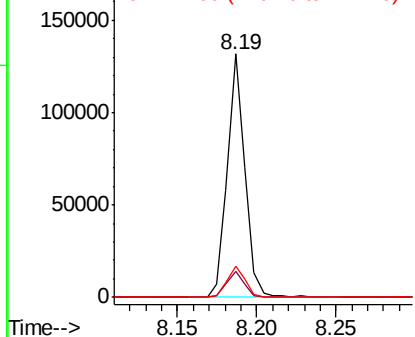


Abundance

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: 4.744 ng  
RT: 8.88 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

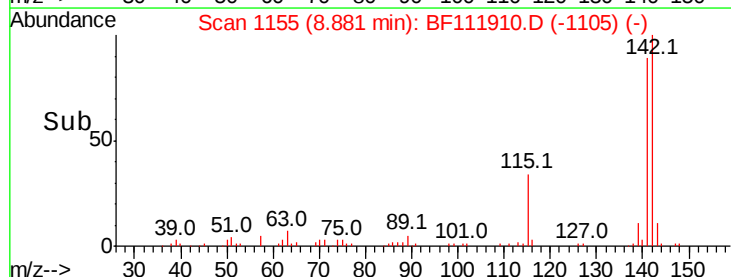
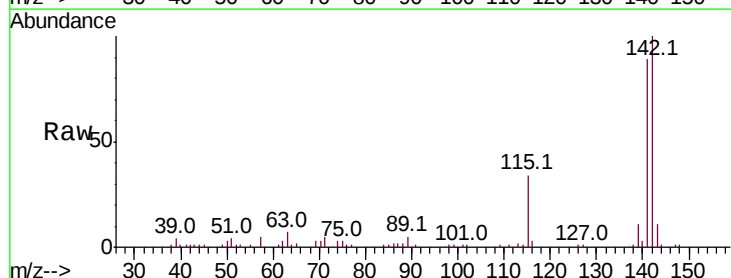
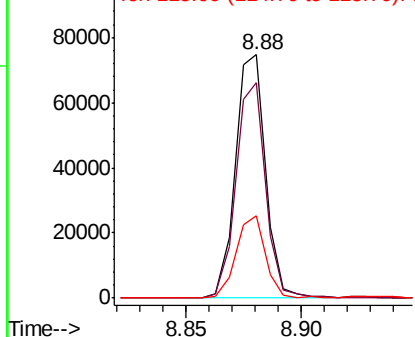
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 71.4  | 107.2 |
| 115     | 33.6  | 28.3  | 42.5  |

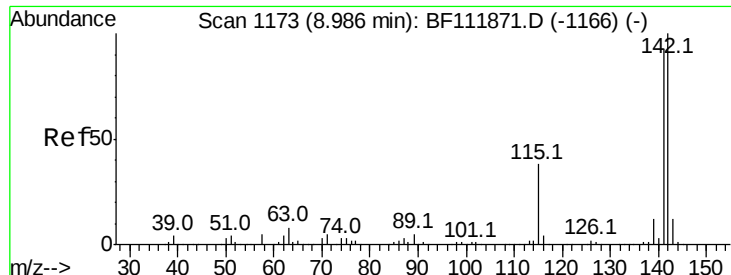
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





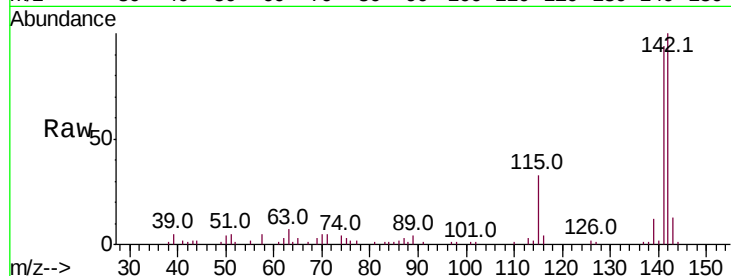
#38  
1-Methylnaphthalene  
Concen: 3.065 ng  
RT: 8.97 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.6  | 74.8  | 112.2 |
| 116     | 4.1   | 3.1   | 4.7   |

Manual Integrations  
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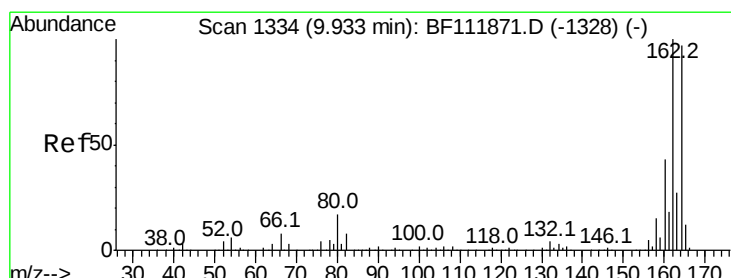
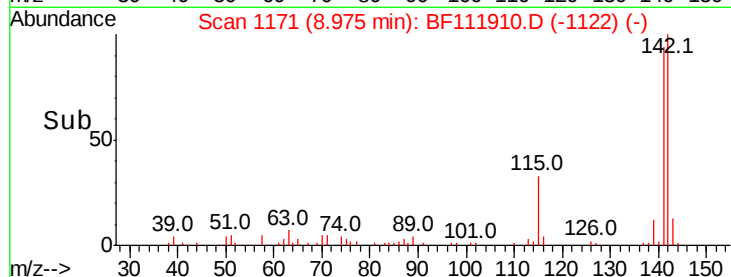
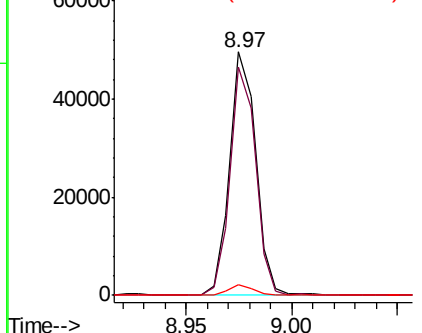


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

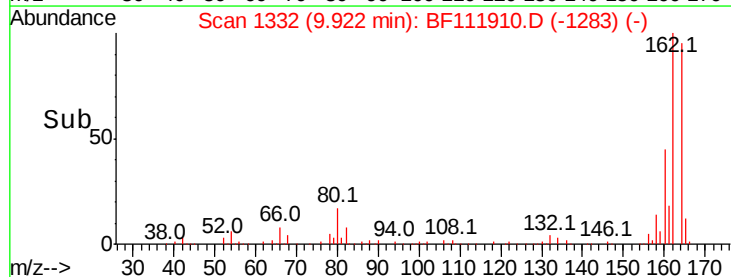
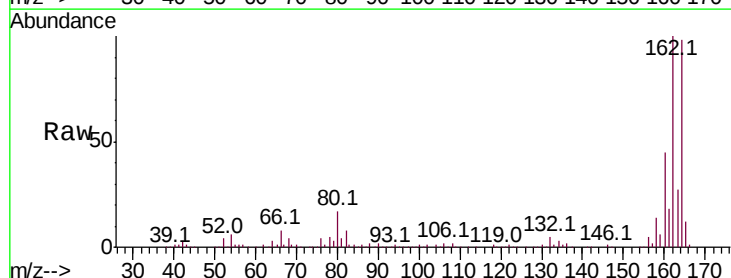
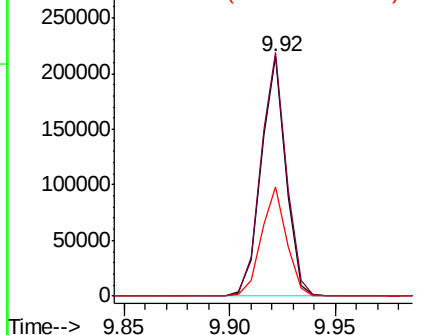
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 82.2  | 123.2 |
| 160     | 45.7  | 35.5  | 53.3  |

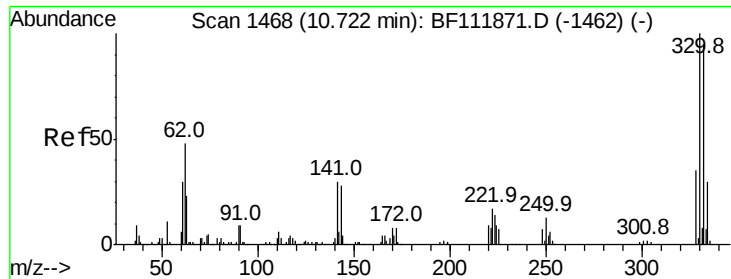
Abundance

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





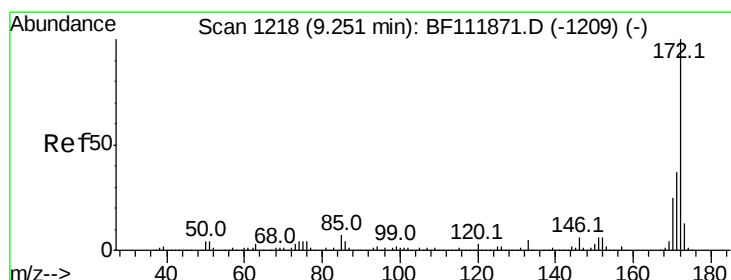
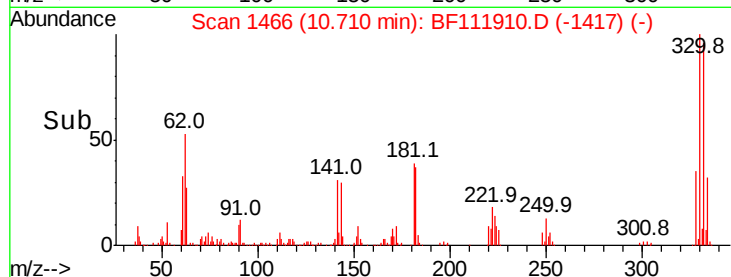
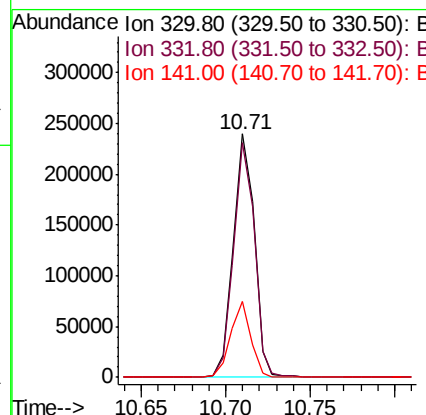
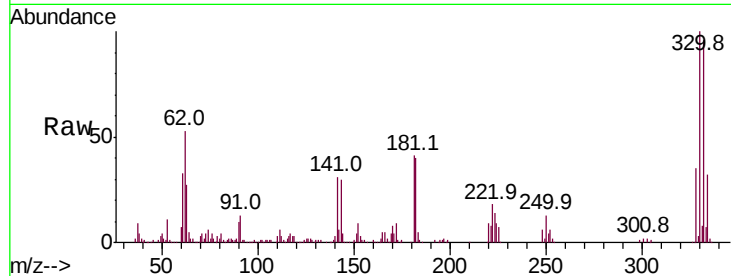
#42  
 2,4,6-Tribromophenol  
 Concen: 90.441 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 BASIN-9

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 207089 |       |       |
| 332     | 96.4  | 76.9   | 115.3 |       |
| 141     | 30.5  | 23.7   | 35.5  |       |

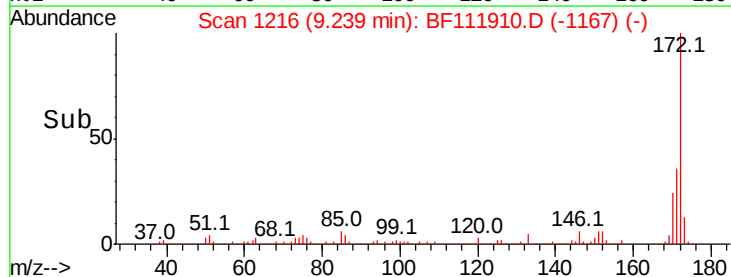
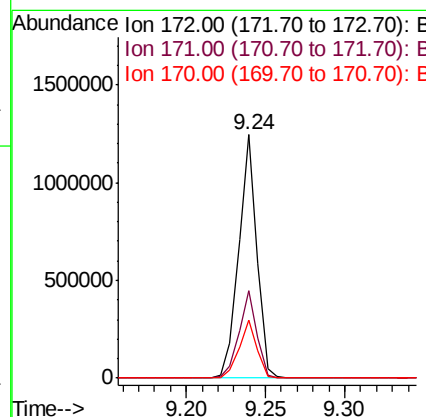
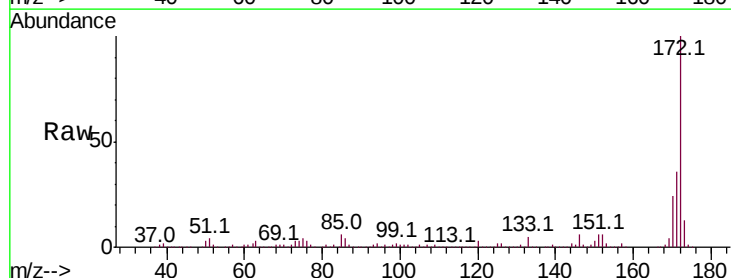
Manual Integrations  
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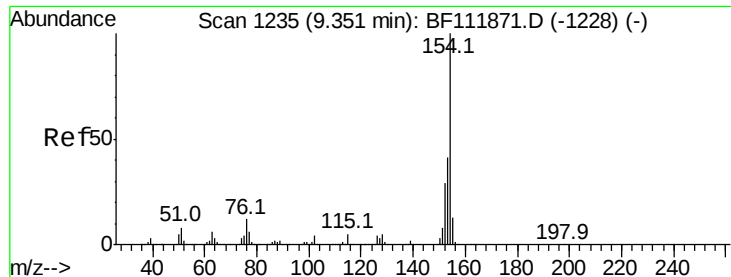
Sohil  
 1/9/2019 10:36:47 AM



#45  
 2-Fluorobiphenyl  
 Concen: 82.102 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 991186 |       |       |
| 171     | 36.2  | 29.6   | 44.4  |       |
| 170     | 23.8  | 19.8   | 29.8  |       |





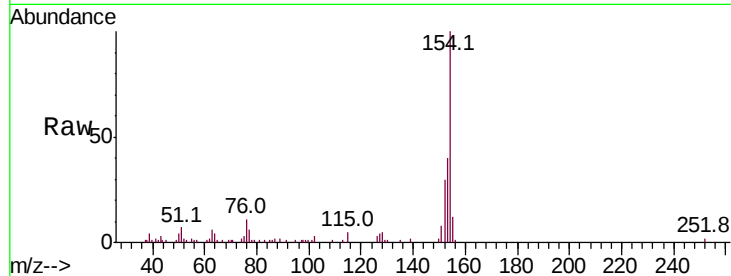
#46  
1,1'-Biphenyl  
Concen: 2.526 ng  
RT: 9.34 min Scan# 1233  
Delta R.T. -0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.0  | 21.3  | 61.3  |
| 76      | 11.3  | 0.0   | 32.3  |

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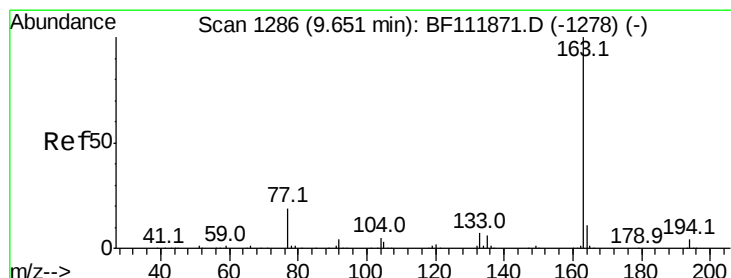
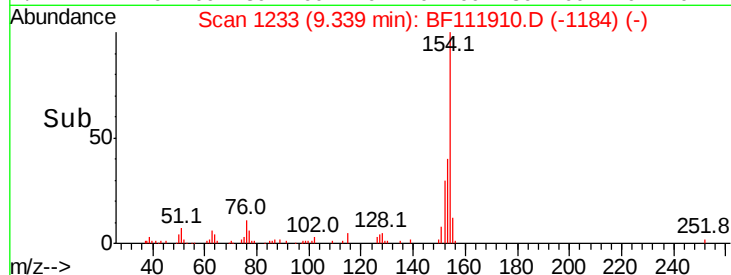
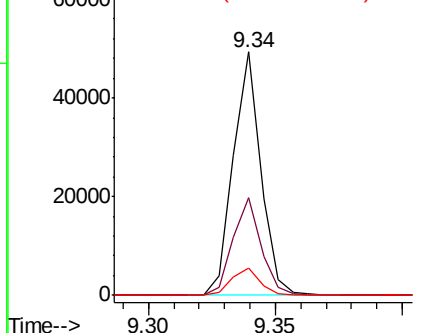


Abundance

Ion 154.00 (153.70 to 154.70): E

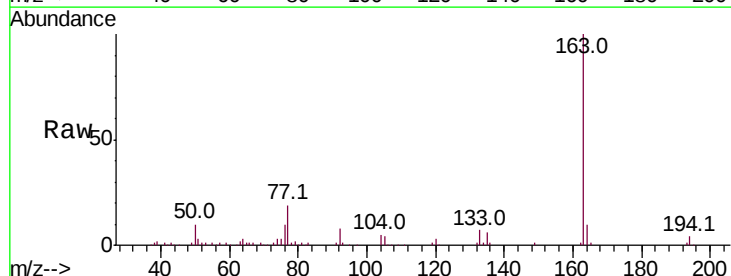
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#50  
Dimethylphthalate  
Concen: 7.443 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.4   | 5.2   |
| 164     | 10.3  | 8.5   | 12.7  |

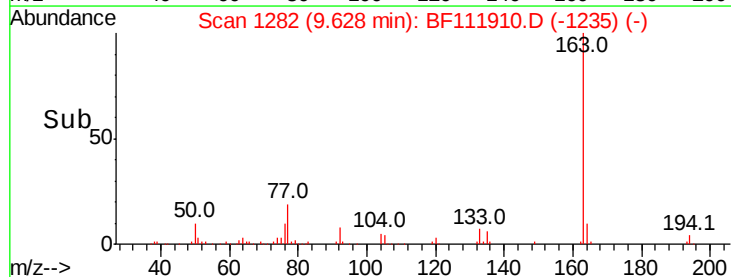
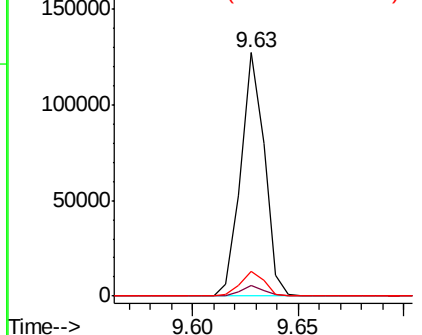


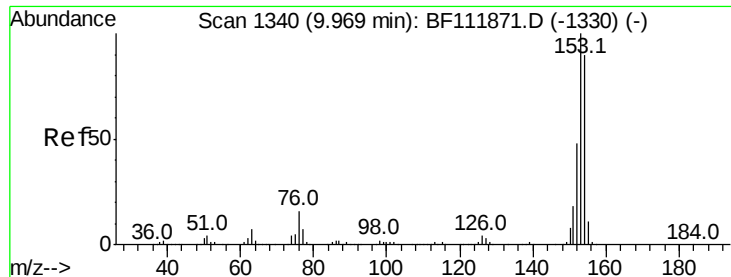
Abundance

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: 28.886 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF111910.D

Acq: 8 Jan 2019 16:41

Instrument :

BNA\_F

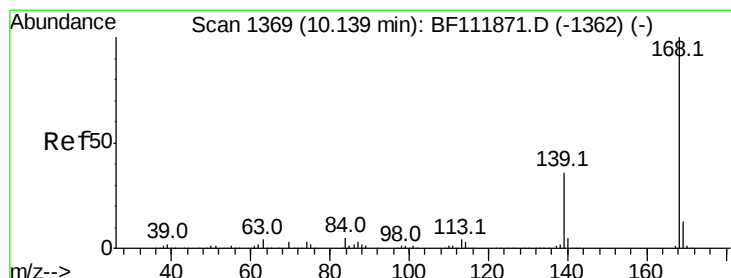
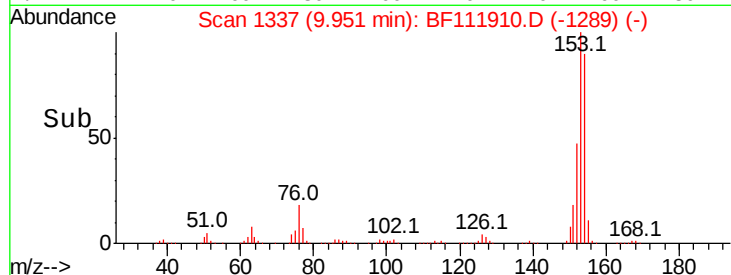
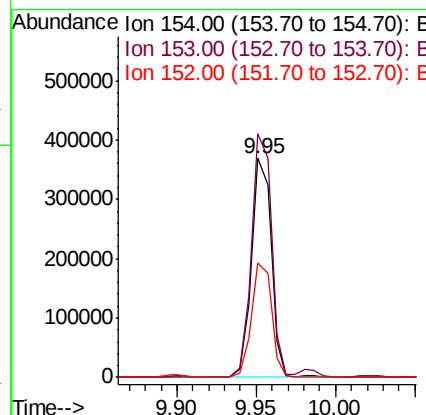
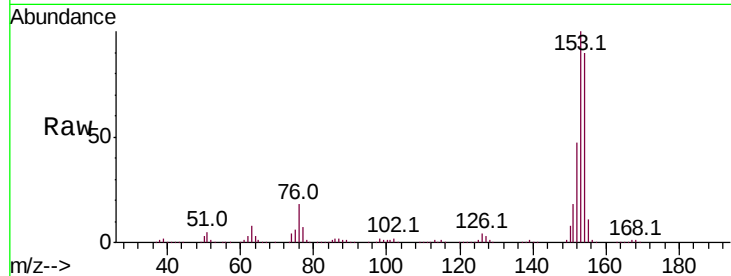
ClientSampled :

BASIN-9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 318189 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.1 | 89.4  | 134.0  |
| 152       | 52.3  | 43.1  | 64.7   |

Manual Integrations  
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#55

Dibenzofuran

Concen: 16.729 ng

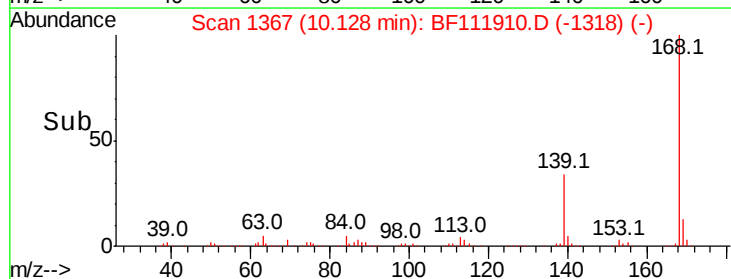
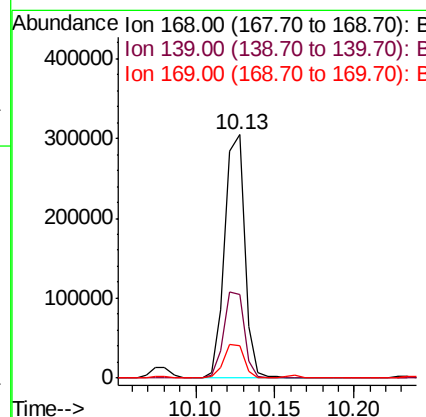
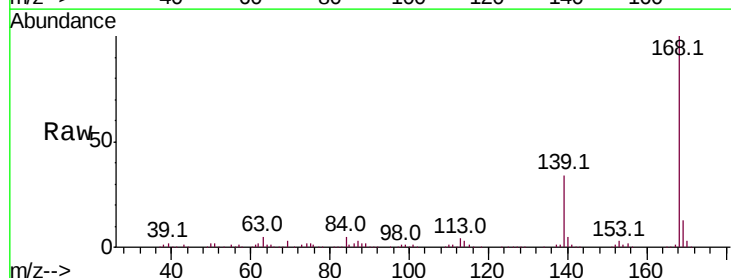
RT: 10.13 min Scan# 1367

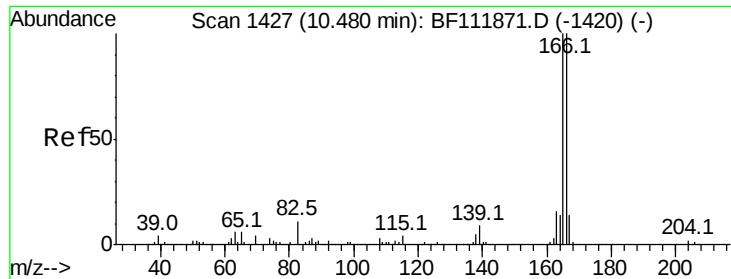
Delta R.T. -0.01 min

Lab File: BF111910.D

Acq: 8 Jan 2019 16:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 268000 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 34.4  | 29.3  | 43.9   |
| 169       | 13.4  | 10.6  | 16.0   |





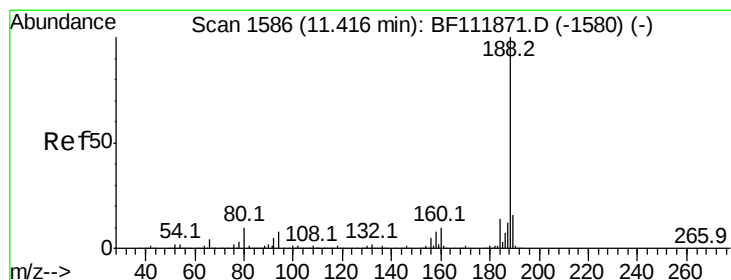
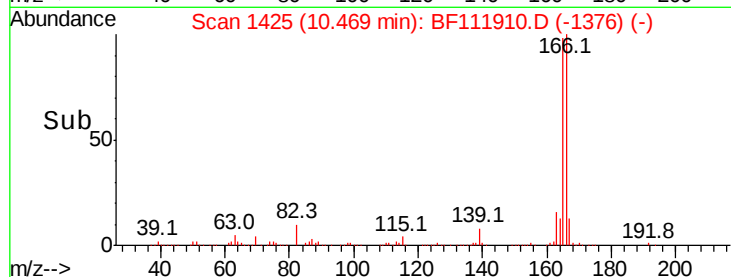
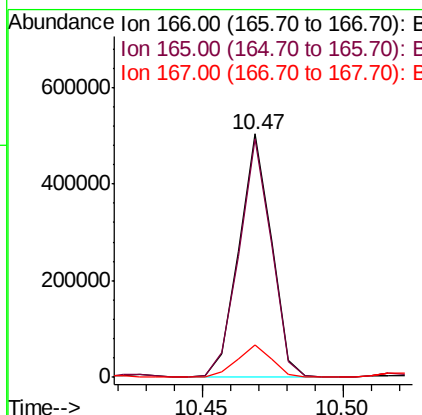
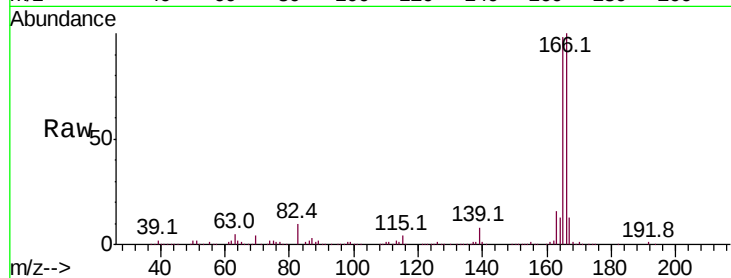
#58  
**Fluorene**  
 Concen: 34.415 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. -0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.1  | 79.7  | 119.5 |
| 167     | 13.1  | 11.1  | 16.7  |

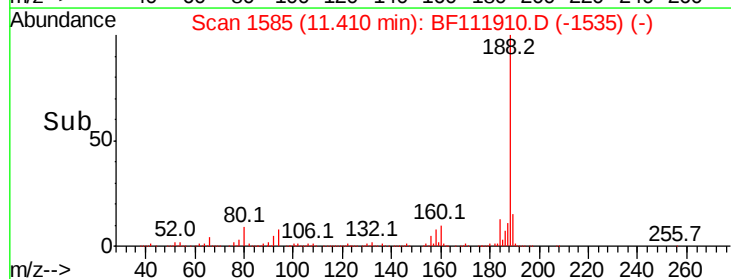
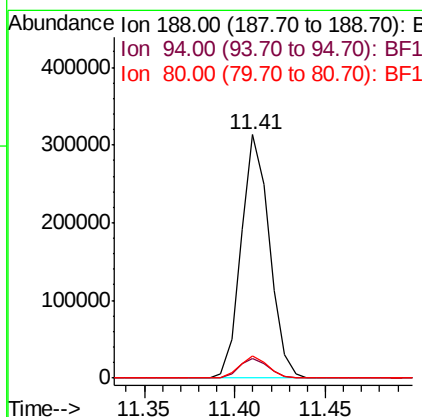
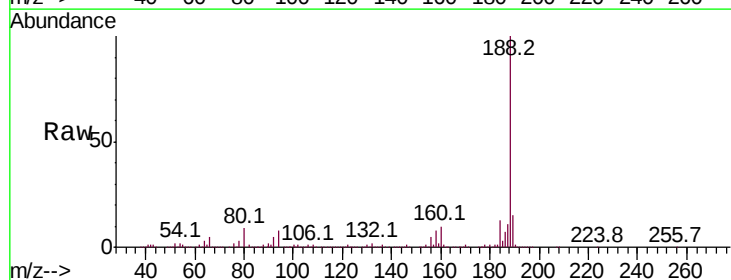
Manual Integrations  
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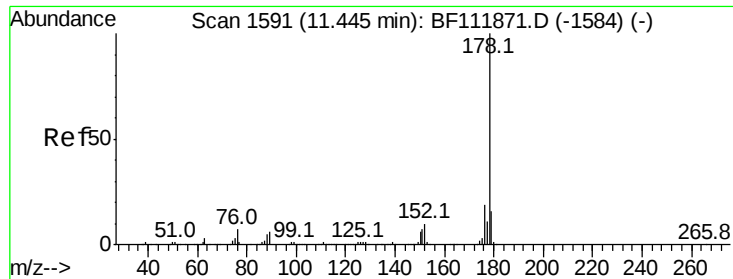
Sohil  
 1/9/2019 10:36:47 AM



#64  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 6.6   | 10.0  |
| 80      | 9.2   | 7.7   | 11.5  |





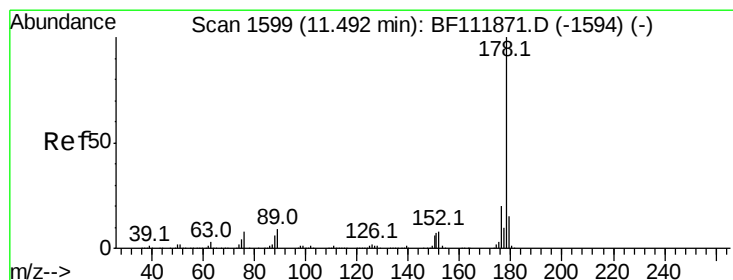
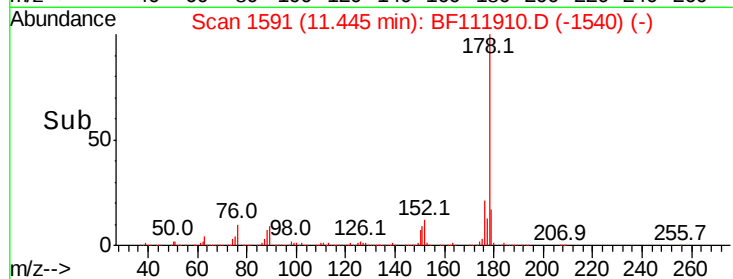
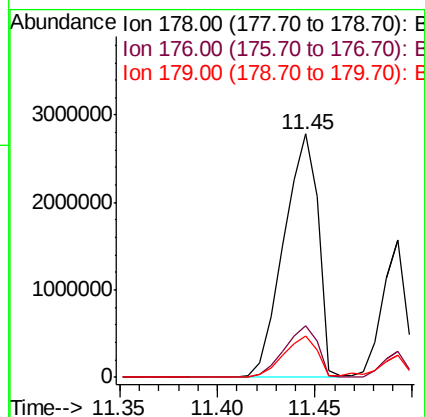
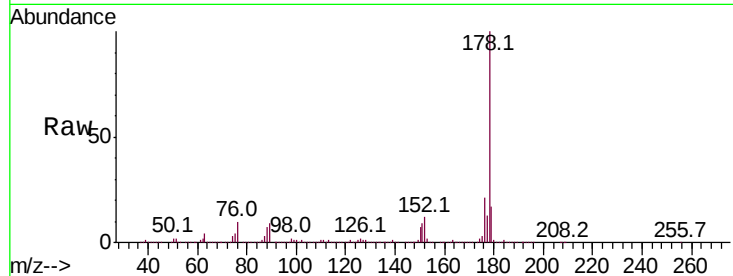
#71  
Phenanthrene  
Concen: 187.233 ng  
RT: 11.45 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampled :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.4  | 15.6  | 23.4  |
| 179     | 16.8  | 12.6  | 18.8  |

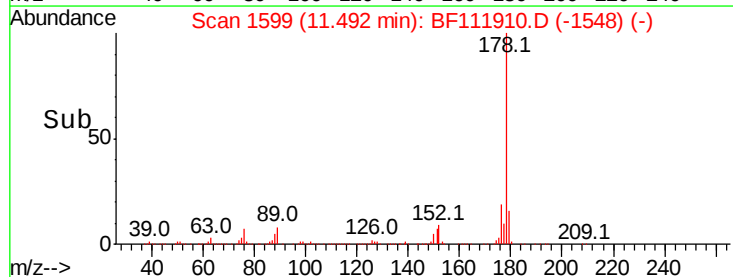
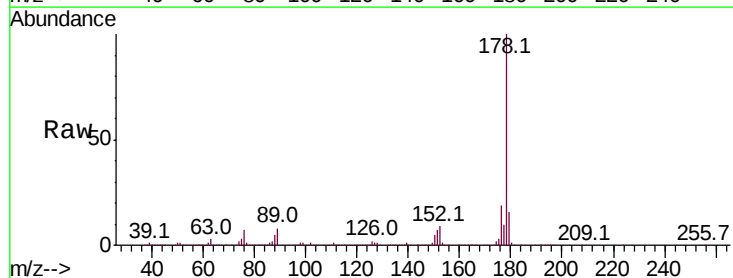
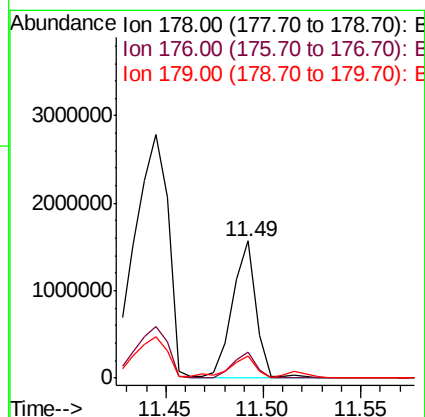
Manual Integrations  
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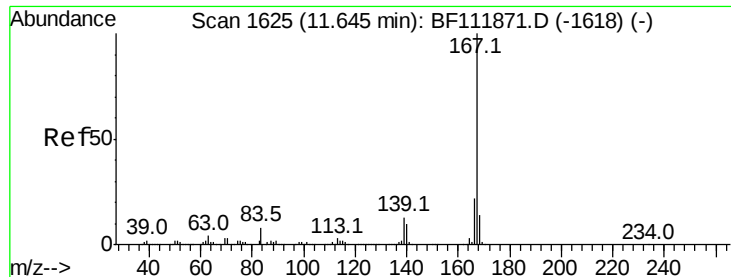
Sohil  
1/9/2019 10:36:47 AM



#72  
Anthracene  
Concen: 72.047 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.7  | 23.5  |
| 179     | 15.8  | 12.4  | 18.6  |





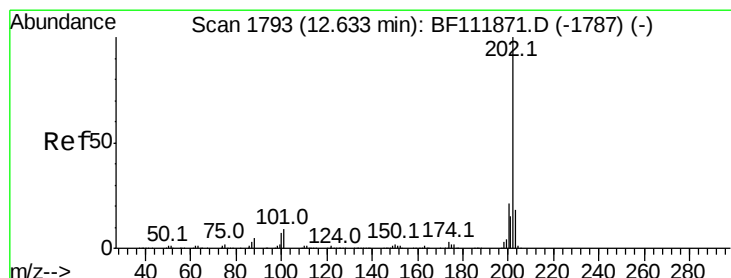
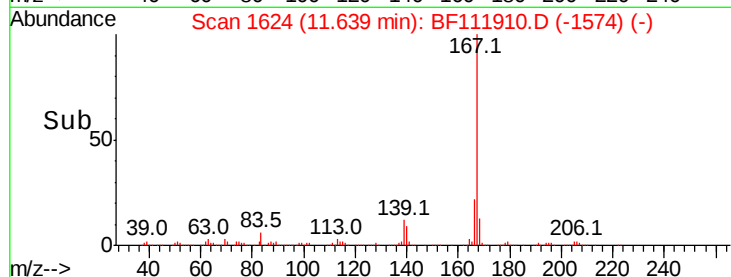
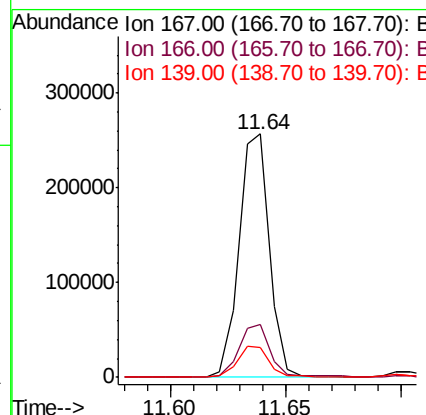
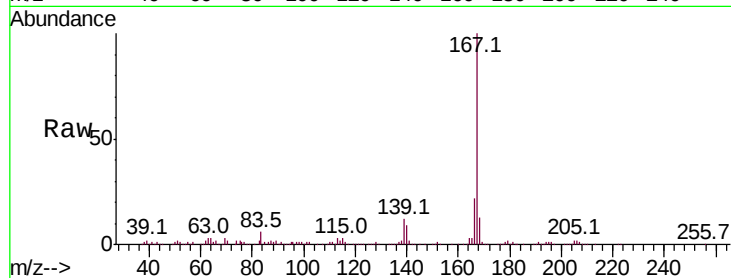
#73  
 Carbazole  
 Concen: 13.141 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.7  | 17.8  | 26.6  |
| 139     | 12.4  | 10.6  | 16.0  |

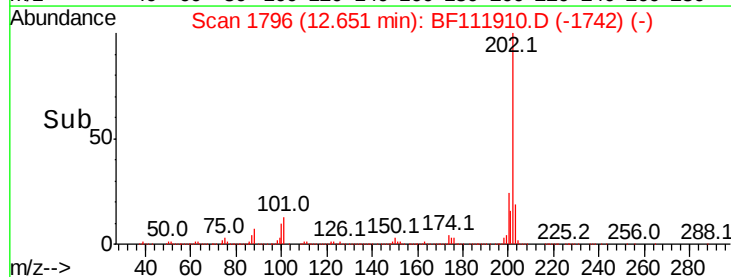
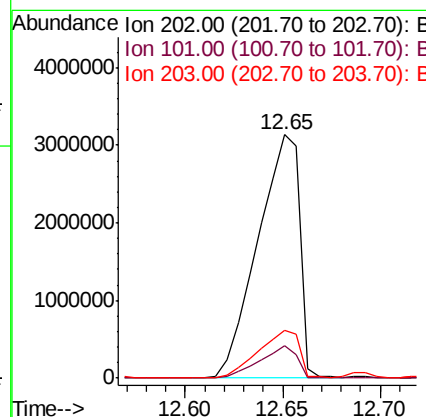
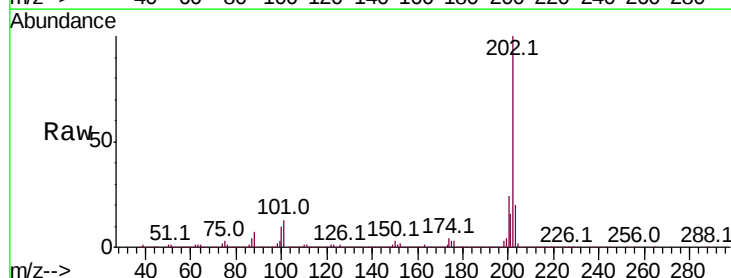
Manual Integrations  
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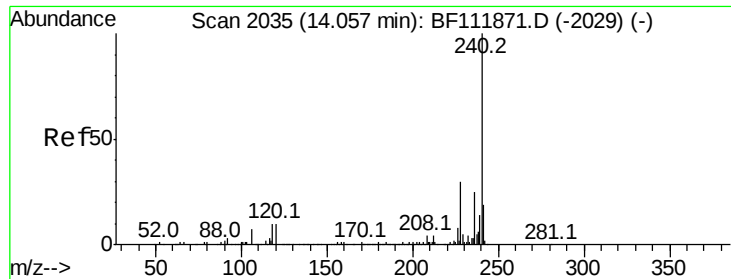
Sohil  
 1/9/2019 10:36:47 AM



#75  
 Fluoranthene  
 Concen: 250.287 ng  
 RT: 12.65 min Scan# 1796  
 Delta R.T. 0.02 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.2  | 0.0   | 29.3  |
| 203     | 19.5  | 0.0   | 37.6  |





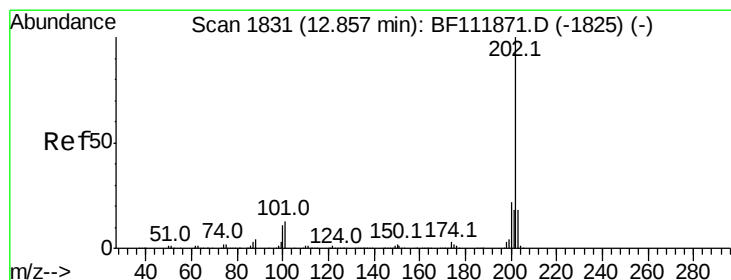
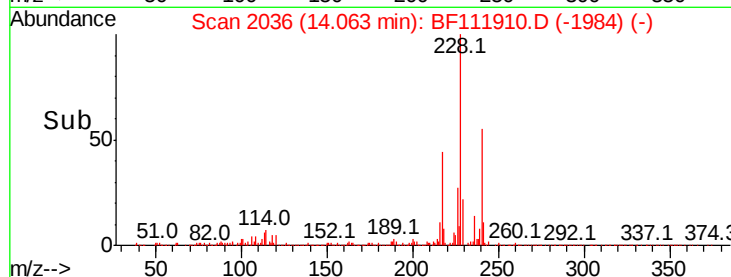
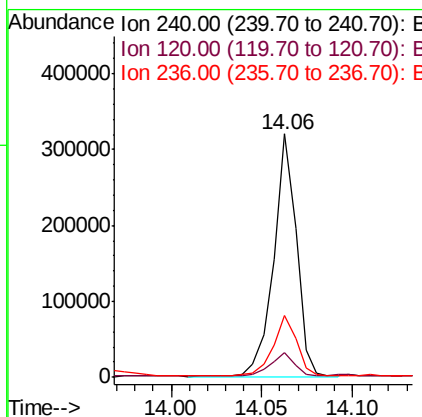
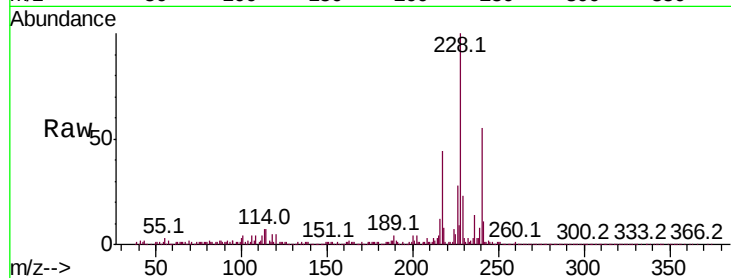
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. 0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.1  | 8.2   | 12.2  |
| 236     | 25.4  | 20.2  | 30.4  |

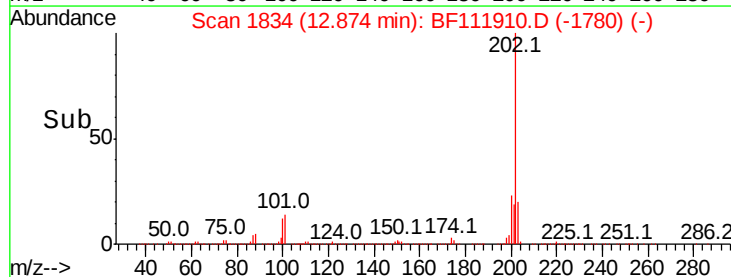
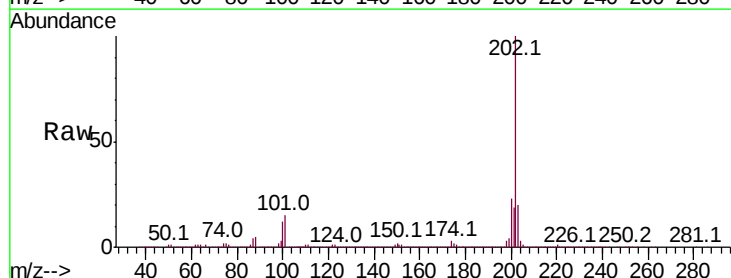
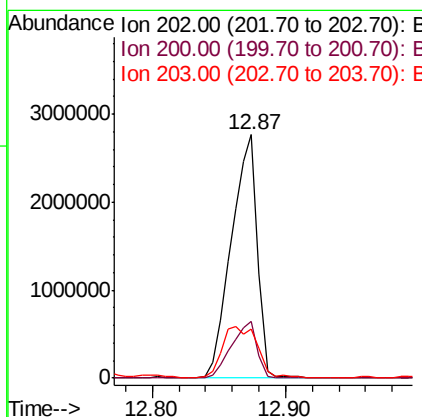
Manual Integrations  
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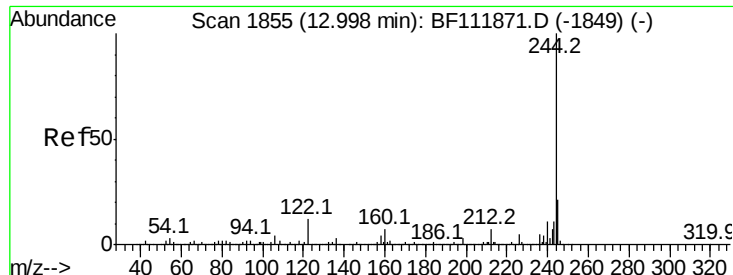
Sohil  
1/9/2019 10:36:47 AM



#78  
Pyrene  
Concen: 195.907 ng  
RT: 12.87 min Scan# 1834  
Delta R.T. 0.02 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.2  | 17.4  | 26.2  |
| 203     | 20.2  | 14.6  | 21.8  |





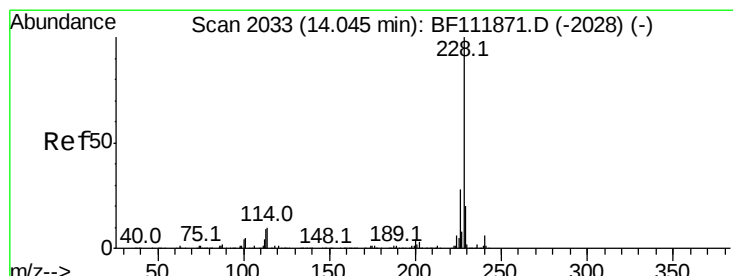
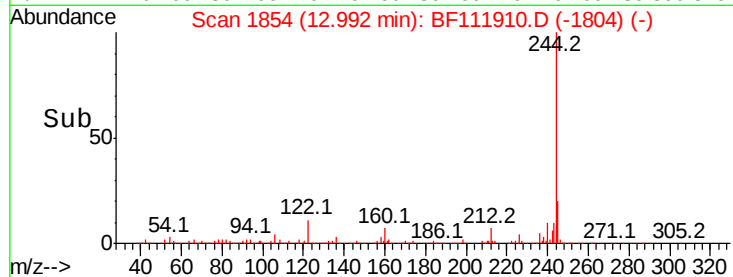
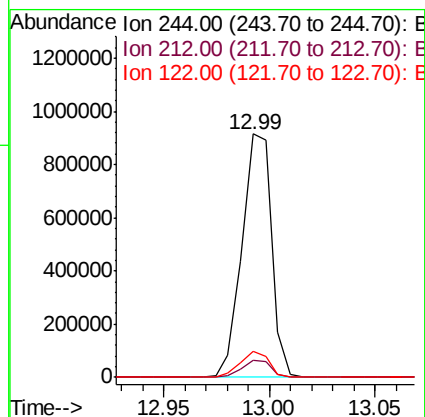
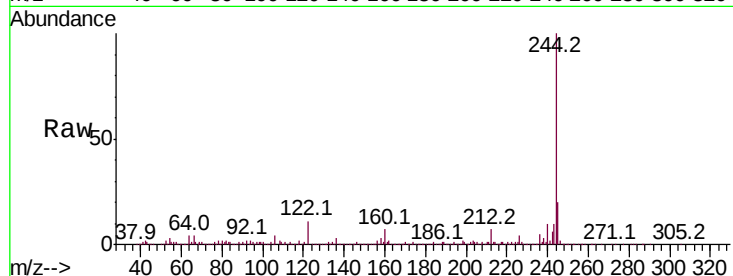
#79  
 Terphenyl-d14  
 Concen: 60.538 ng  
 RT: 12.99 min Scan# 1854  
 Delta R.T. -0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BASIN-9

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 244  | Resp: | 888685 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 6.9  | 5.8   | 8.8    |
| 122       | 10.9 | 9.5   | 14.3   |

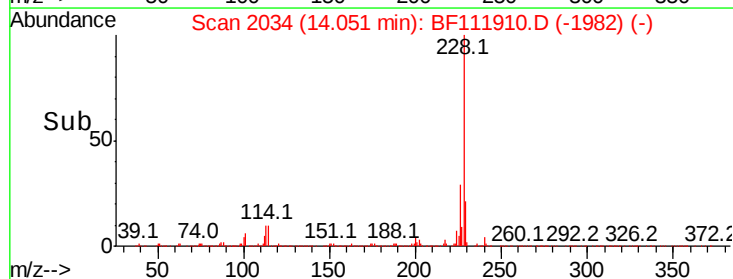
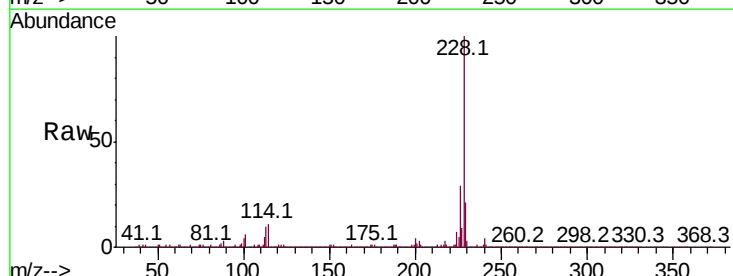
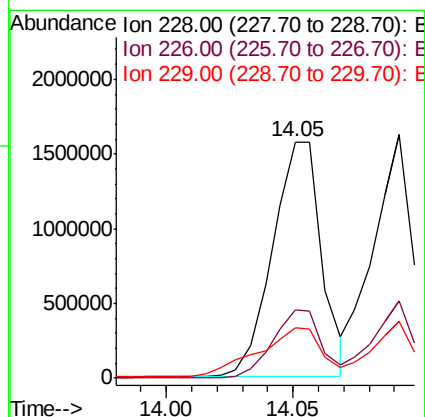
Manual Integrations  
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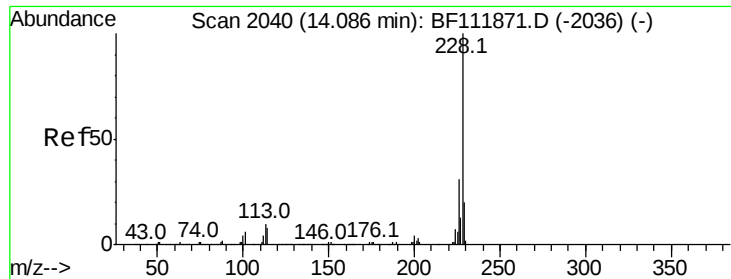
Sohil  
 1/9/2019 10:36:47 AM



#81  
 Benzo(a)anthracene  
 Concen: 132.616 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. 0.01 min  
 Lab File: BF111910.D  
 Acq: 8 Jan 2019 16:41

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 228  | Resp: | 2126772 |
| Ion Ratio |      | Lower | Upper   |
| 228       | 100  |       |         |
| 226       | 28.9 | 22.2  | 33.2    |
| 229       | 21.4 | 16.2  | 24.2    |





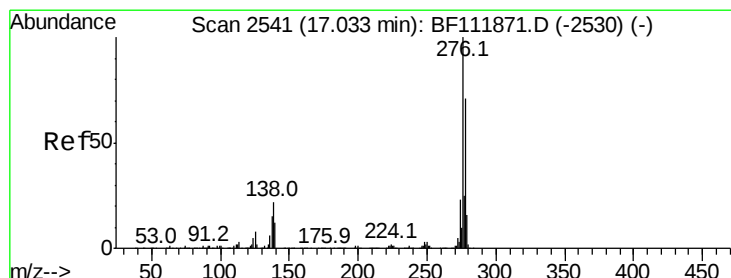
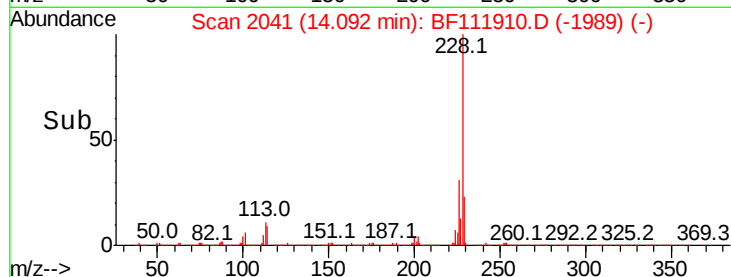
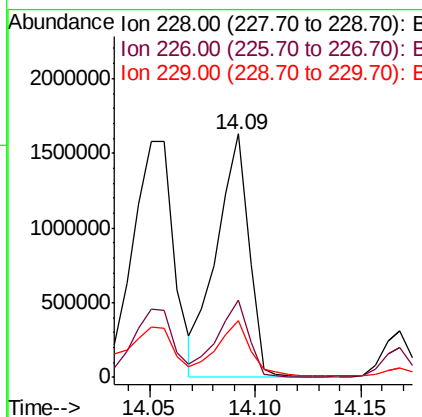
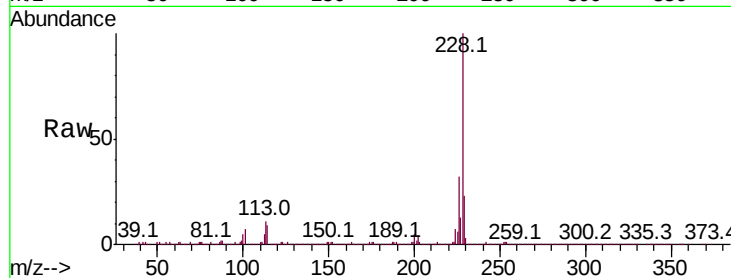
#83  
Chrysene  
Concen: 111.728 ng  
RT: 14.09 min Scan# 2041  
Delta R.T. 0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

Tot Ion:228 Resp: 1708424  
Ion Ratio Lower Upper  
228 100  
226 31.6 24.6 37.0  
229 23.3 15.7 23.5

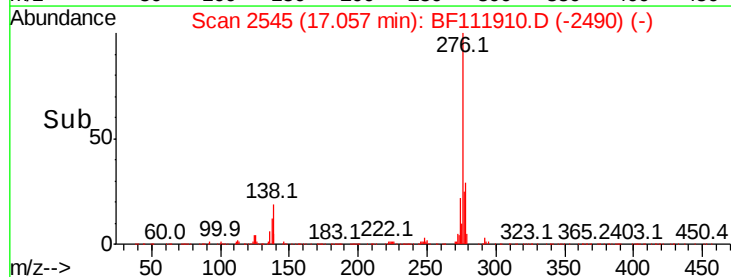
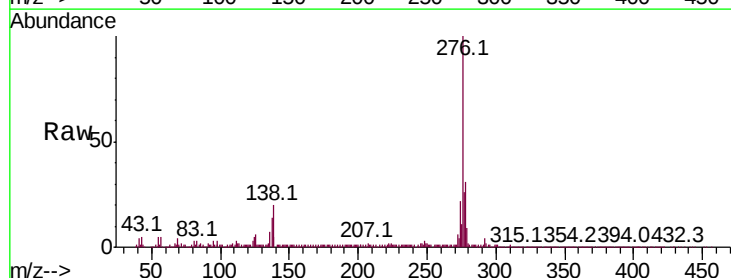
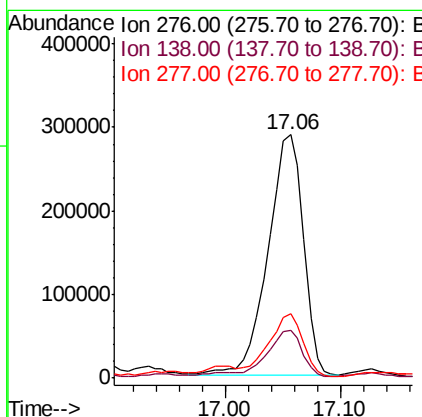
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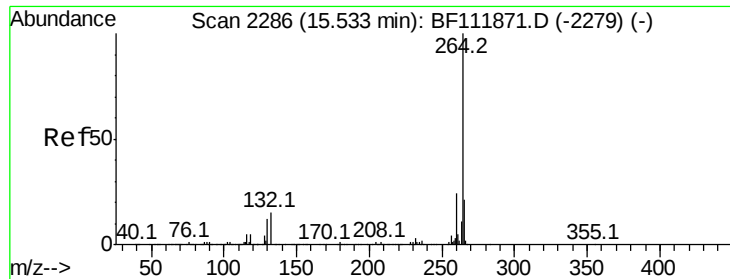
Sohil  
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 55.365 ng  
RT: 17.06 min Scan# 2545  
Delta R.T. 0.02 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Tgt Ion:276 Resp: 617185  
Ion Ratio Lower Upper  
276 100  
138 19.8 18.1 27.1  
277 24.9 19.9 29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.02 min

Lab File: BF111910.D

Acq: 8 Jan 2019 16:41

Instrument :

BNA\_F

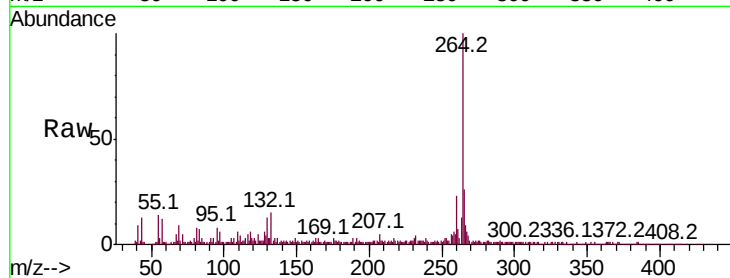
ClientSampleId :

BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.2  | 28.8  |
| 265     | 26.0  | 17.1  | 25.7  |

Manual Integrations  
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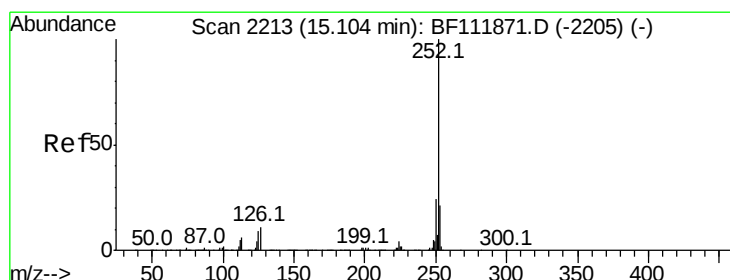
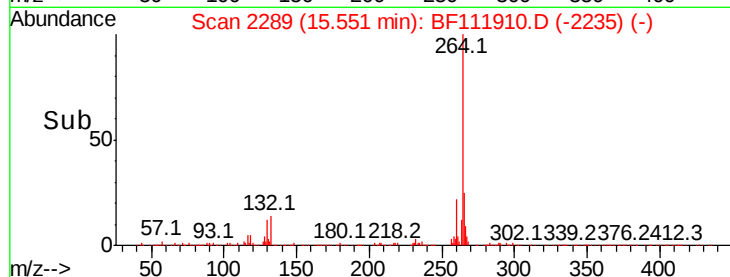
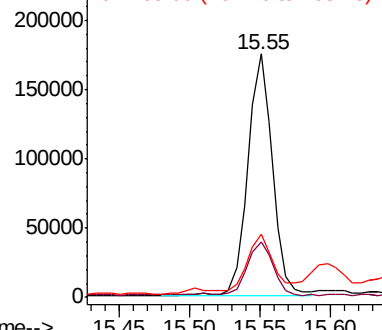


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 135.660 ng m

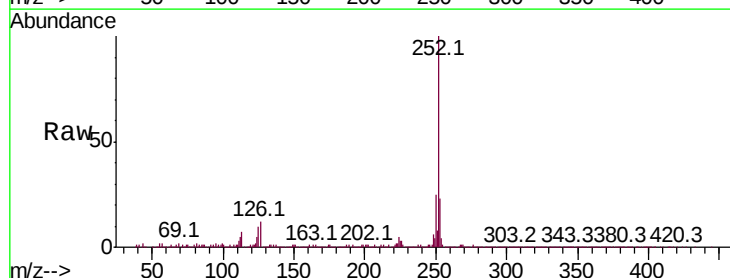
RT: 15.12 min Scan# 2216

Delta R.T. 0.02 min

Lab File: BF111910.D

Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.0  | 25.6  |
| 125     | 10.1  | 7.1   | 10.7  |

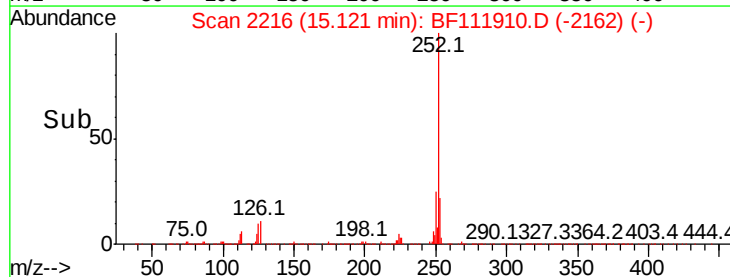
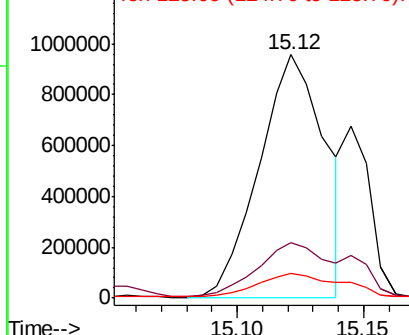


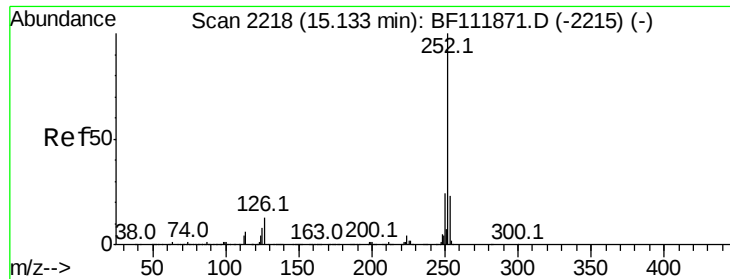
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





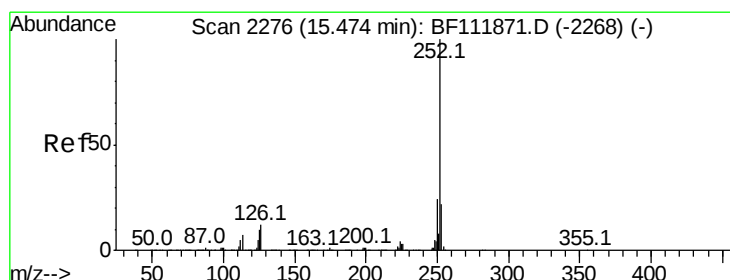
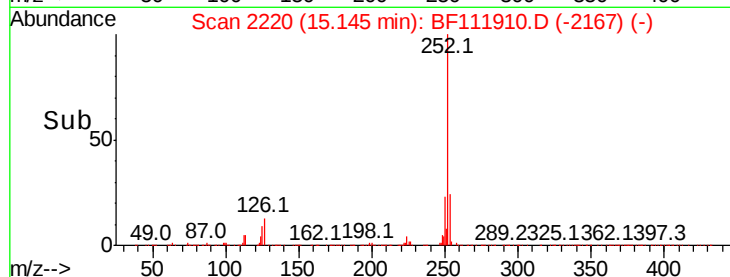
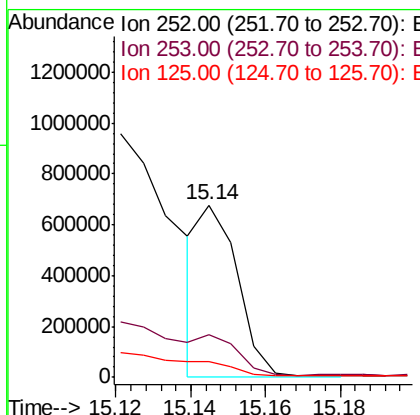
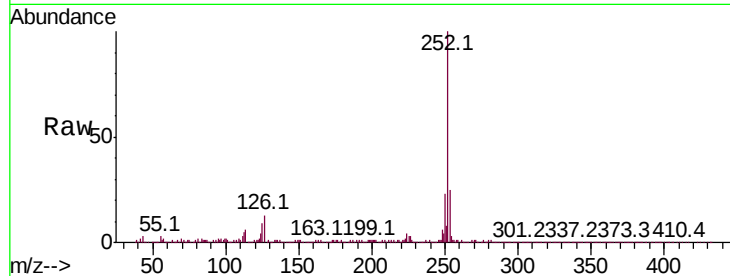
#89  
Benzo(k)fluoranthene  
Concen: 40.198 ng m  
RT: 15.14 min Scan# 2220  
Delta R.T. 0.01 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 17.8  | 26.6  |
| 125     | 9.5   | 7.0   | 10.4  |

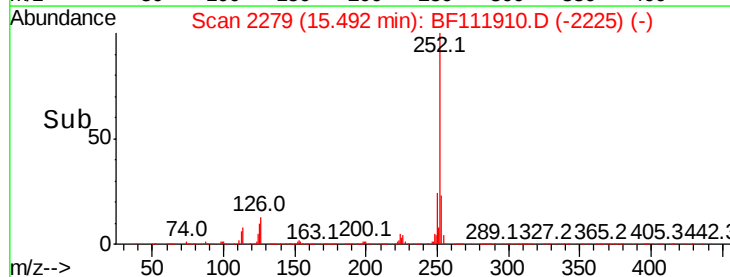
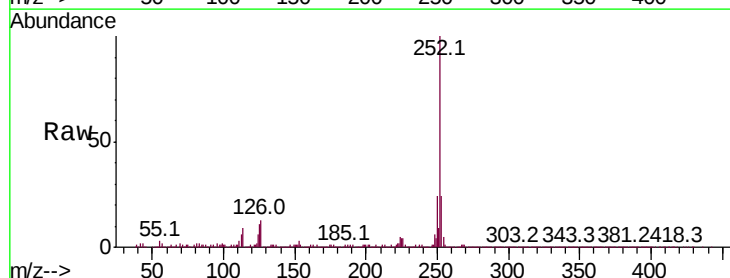
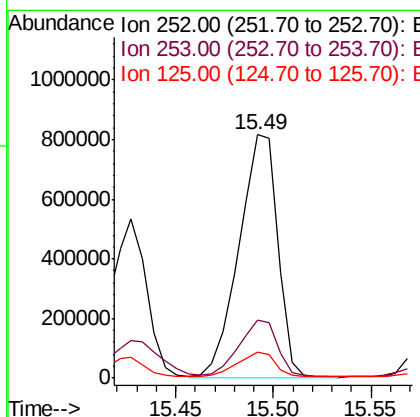
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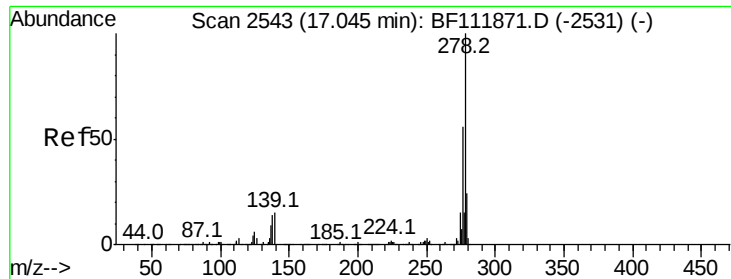
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#90  
Benzo(a)pyrene  
Concen: 99.112 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.02 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 17.4  | 26.2  |
| 125     | 10.9  | 7.9   | 11.9  |





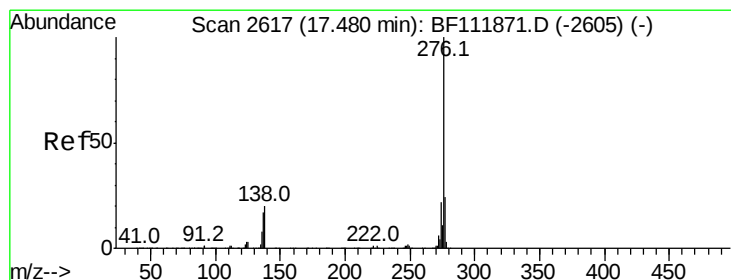
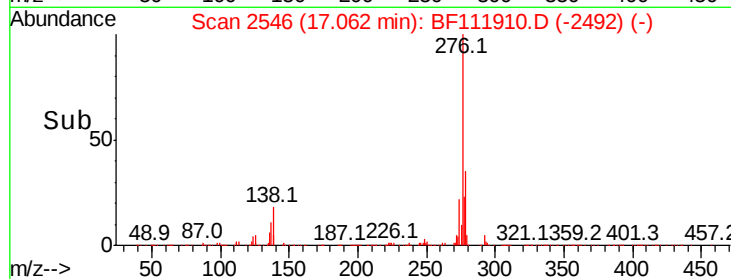
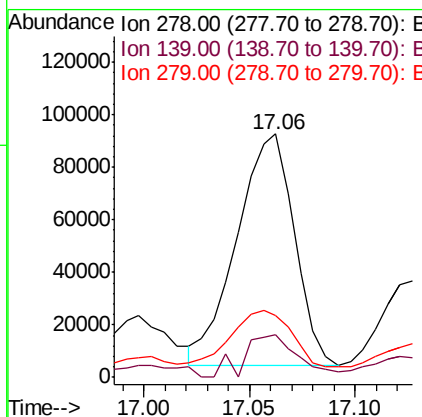
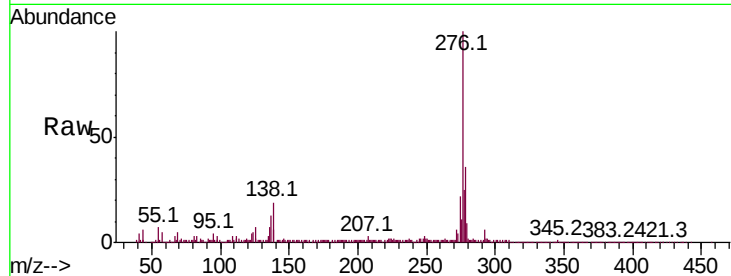
#91  
Dibenzo(a,h)anthracene  
Concen: 18.358 ng  
RT: 17.06 min Scan# 2546  
Delta R.T. 0.02 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

Instrument :  
BNA\_F  
ClientSampleId :  
BASIN-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.4  | 11.8  | 17.6  |
| 279     | 25.4  | 19.4  | 29.2  |

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#92  
Benzo(g,h,i)perylene  
Concen: 59.771 ng  
RT: 17.51 min Scan# 2622  
Delta R.T. 0.03 min  
Lab File: BF111910.D  
Acq: 8 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 19.0  | 28.6  |
| 138     | 19.1  | 16.2  | 24.2  |

