

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\  
 Data File : BF110314.D  
 Acq On : 30 Oct 2018 20:18  
 Operator : JU/SJ  
 Sample : J5724-04DL 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RED-SHAEDL

Manual Integrations  
 APPROVED

Sohil  
 10/31/2018 11:15:05 AM

Quant Time: Oct 31 05:44:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 29 17:29:00 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 110846   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 457874   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 10.01 | 164  | 202252   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.50 | 188  | 313036   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.16 | 240  | 211357   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.69 | 264  | 187250   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.59  | 112 | 289326 | 42.51 | ng | 0.00 |
| 7) Phenol-d6                | 6.59  | 99  | 364209 | 41.83 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.53  | 82  | 226364 | 29.32 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330 | 68242  | 34.06 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.32  | 172 | 415214 | 32.24 | ng | 0.00 |
| 79) Terphenyl-d14           | 13.09 | 244 | 271984 | 26.76 | ng | 0.00 |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 10) Phenol                 | 6.60  | 94  | 26178   | 2.813  | ng | # 68 |
| 50) Dimethylphthalate      | 9.72  | 163 | 33906   | 2.271  | ng | 99   |
| 52) Acenaphthene           | 10.05 | 154 | 37149   | 2.898  | ng | 98   |
| 58) Fluorene               | 10.56 | 166 | 61869   | 4.632  | ng | 98   |
| 71) Phenanthrene           | 11.53 | 178 | 570176  | 34.810 | ng | 99   |
| 72) Anthracene             | 11.58 | 178 | 168446  | 10.260 | ng | 99   |
| 73) Carbazole              | 11.73 | 167 | 62053   | 3.871  | ng | 99   |
| 75) Fluoranthene           | 12.73 | 202 | 714004  | 42.952 | ng | 99   |
| 78) Pyrene                 | 12.96 | 202 | 594391  | 39.227 | ng | 99   |
| 81) Benzo(a)anthracene     | 14.14 | 228 | 305072  | 24.340 | ng | 99   |
| 83) Chrysene               | 14.18 | 228 | 245883  | 20.654 | ng | 98   |
| 86) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 104461  | 10.577 | ng | 98   |
| 88) Benzo(b)fluoranthene   | 15.23 | 252 | 300397m | 27.781 | ng |      |
| 89) Benzo(k)fluoranthene   | 15.26 | 252 | 94372m  | 8.878  | ng |      |
| 90) Benzo(a)pyrene         | 15.62 | 252 | 206428  | 20.747 | ng | 99   |
| 91) Dibenzo(a,h)anthracene | 17.26 | 278 | 26871m  | 3.130  | ng |      |
| 92) Benzo(a,h,i)perylene   | 17.74 | 276 | 96821   | 11.445 | ng | 98   |

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

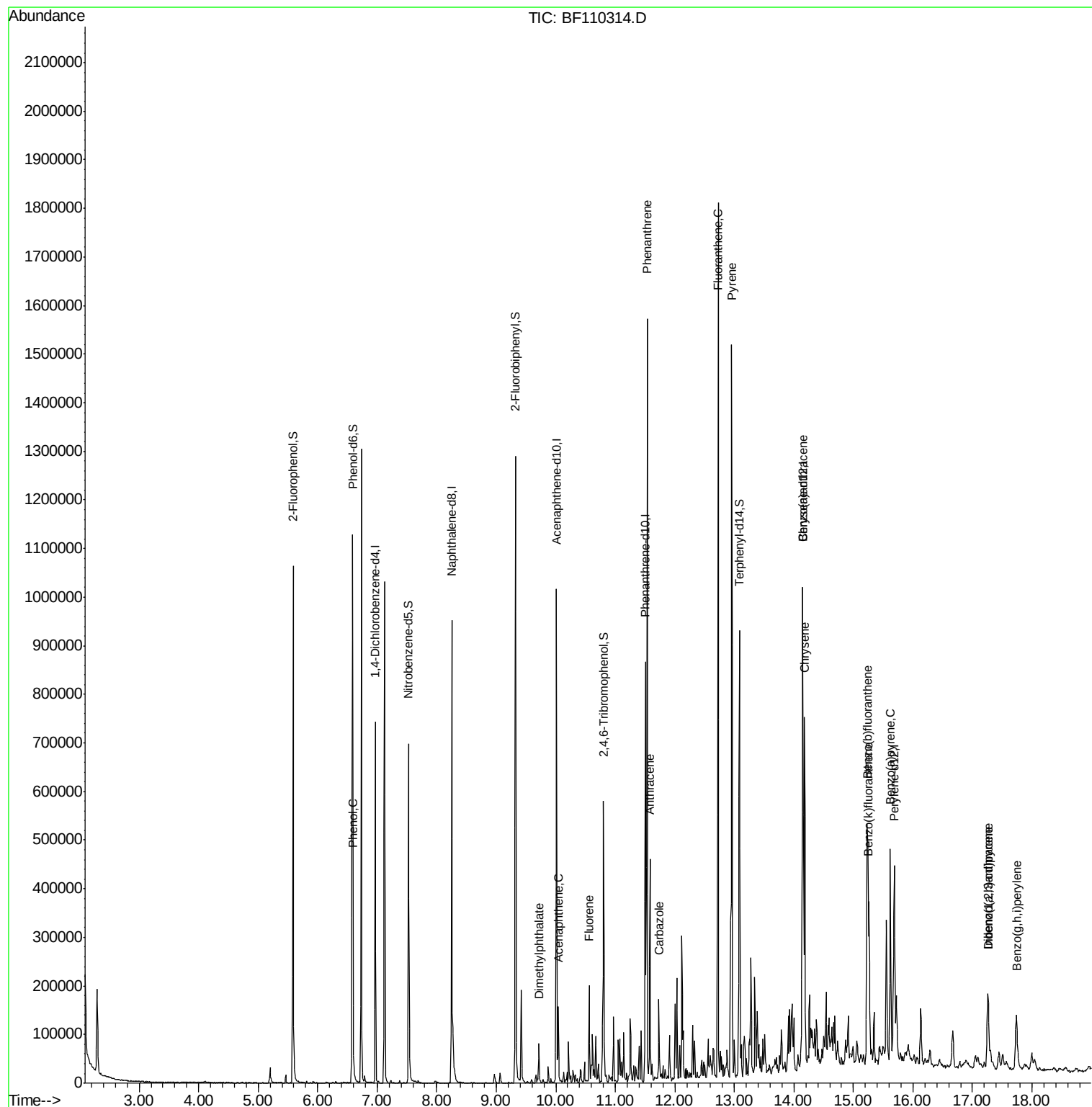
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\  
Data File : BF110314.D  
Acq On : 30 Oct 2018 20:18  
Operator : JU/SJ  
Sample : J5724-04DL 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

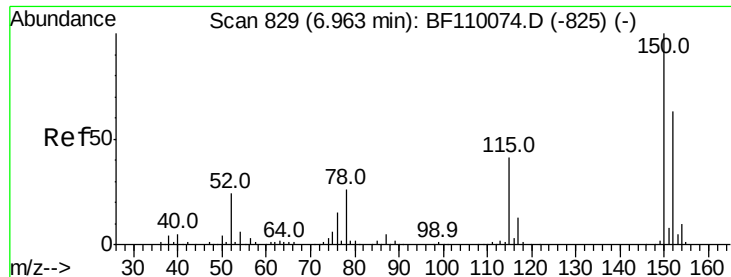
Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

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10/31/2018 11:15:05 AM

Quant Time: Oct 31 05:44:52 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 29 17:29:00 2018  
Response via : Initial Calibration





#1

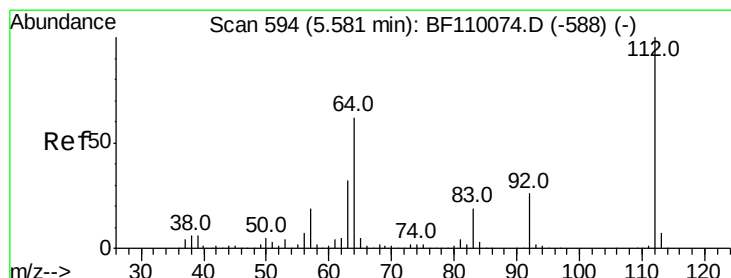
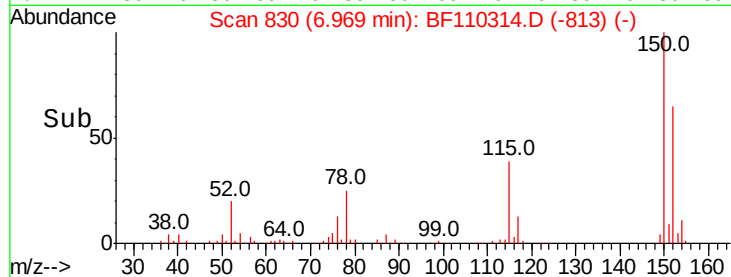
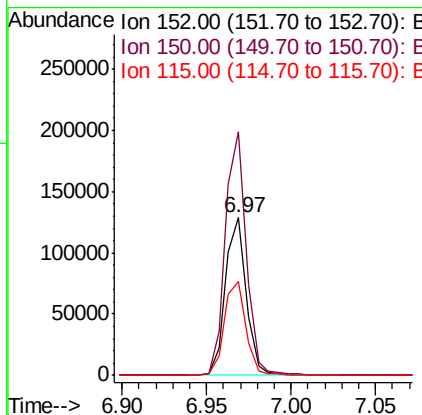
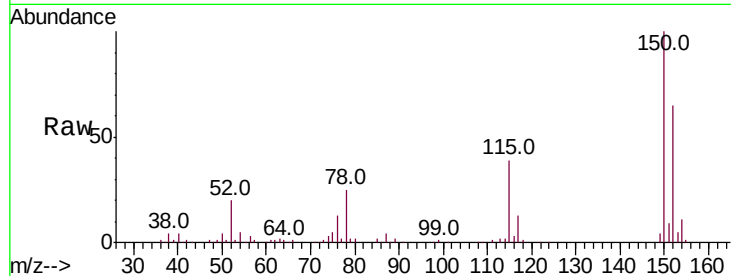
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 122.7 | 184.1 |
| 115     | 59.7  | 49.1  | 73.7  |

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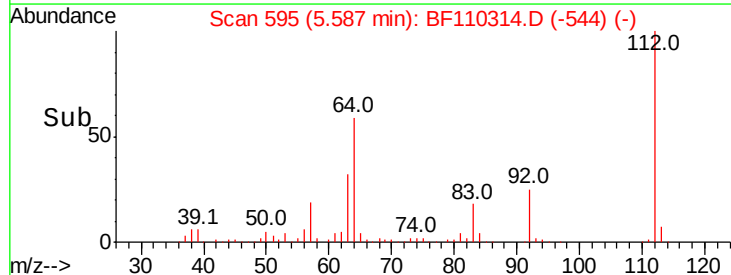
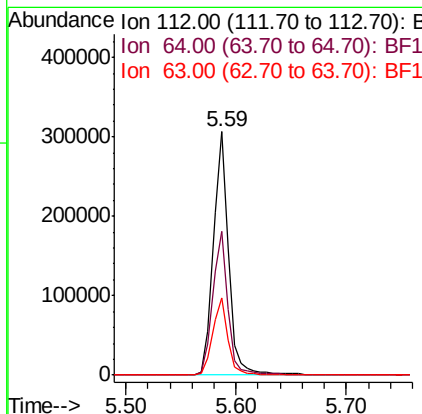
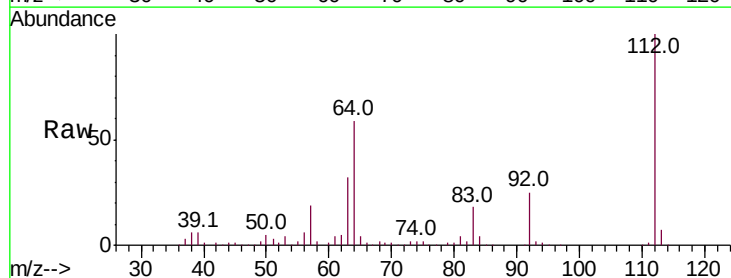
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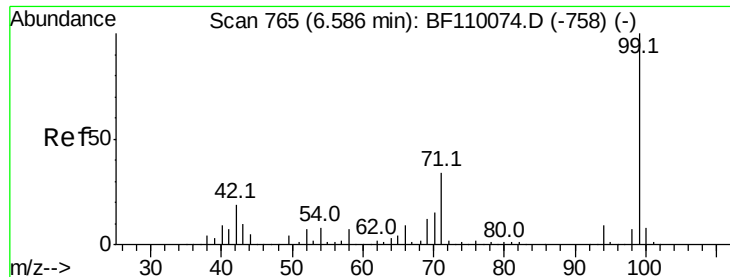


#5

2-Fluorophenol  
Concen: 42.505 ng  
RT: 5.59 min Scan# 595  
Delta R.T. 0.00 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.2  | 44.1  | 66.1  |
| 63      | 31.7  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 41.832 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

Instrument :

BNA\_F

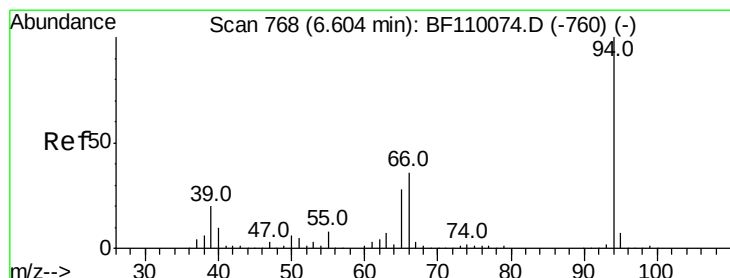
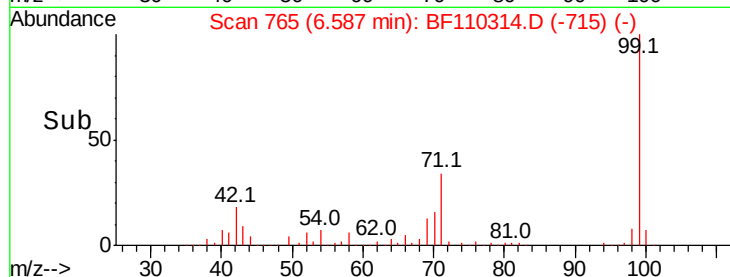
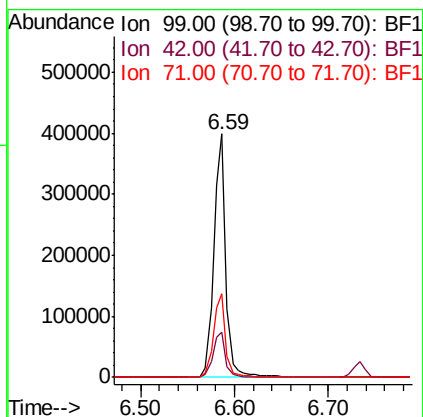
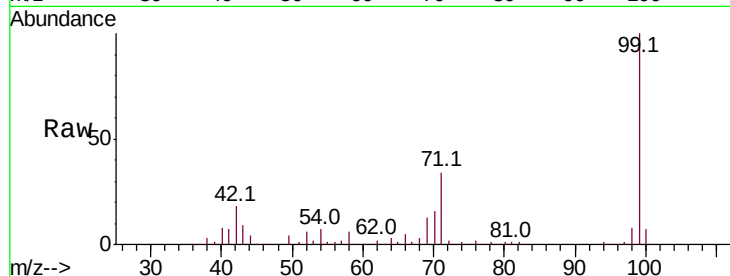
ClientSampled :

RED-SHAEDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 364209 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.4  | 15.8  | 23.6   |
| 71        | 34.4  | 28.0  | 42.0   |

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#10

Phenol

Concen: 2.813 ng

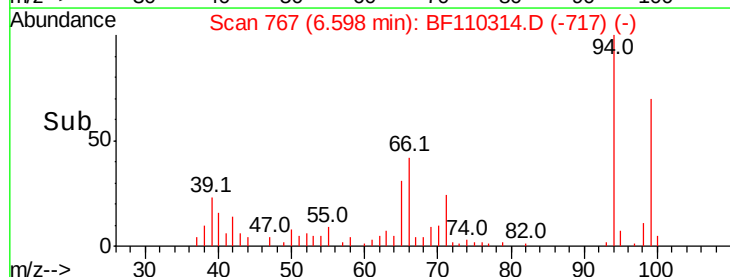
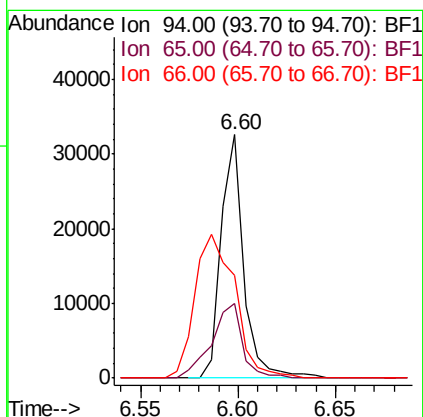
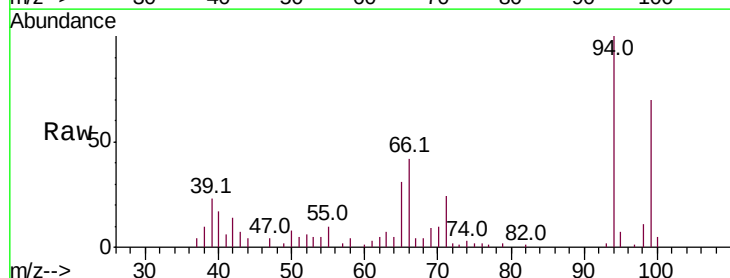
RT: 6.60 min Scan# 767

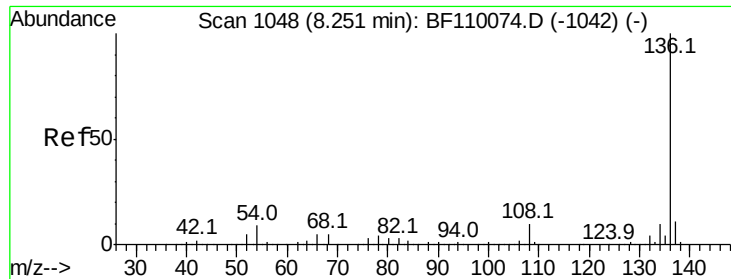
Delta R.T. -0.01 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 26178 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 30.6  | 25.3  | 65.3  |
| 66        | 42.3  | 54.5  | 94.5# |





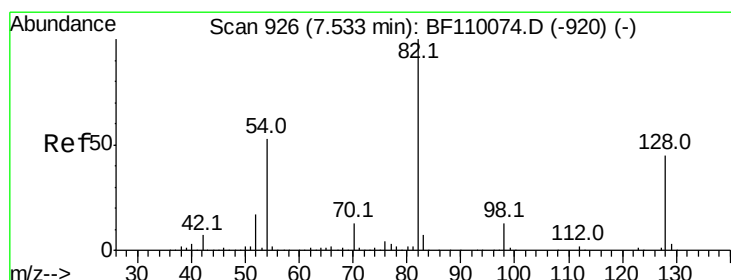
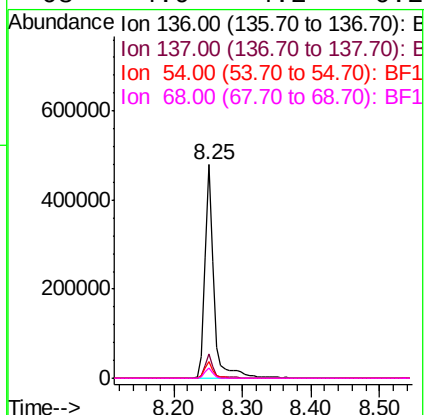
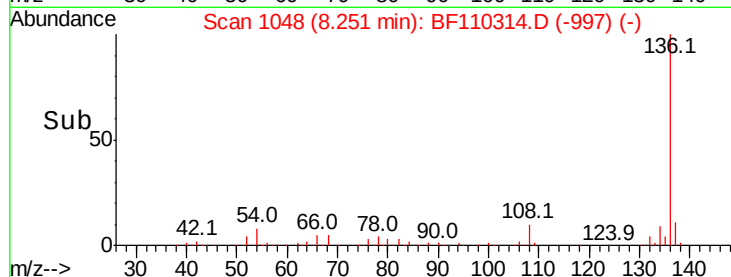
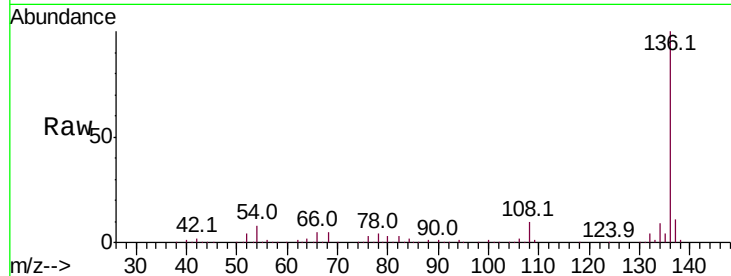
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.4  | 8.8  | 13.2  |       |
| 54      | 7.9   | 5.4  | 8.2   |       |
| 68      | 4.9   | 4.2  | 6.2   |       |

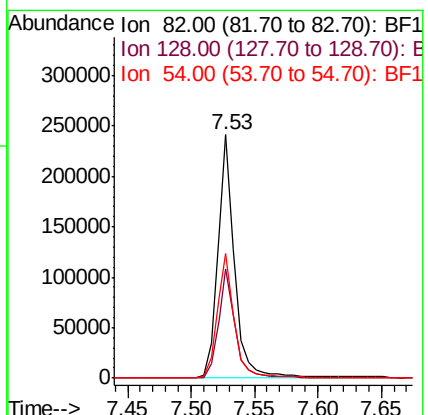
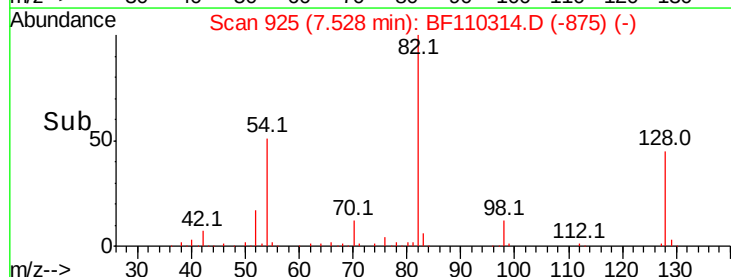
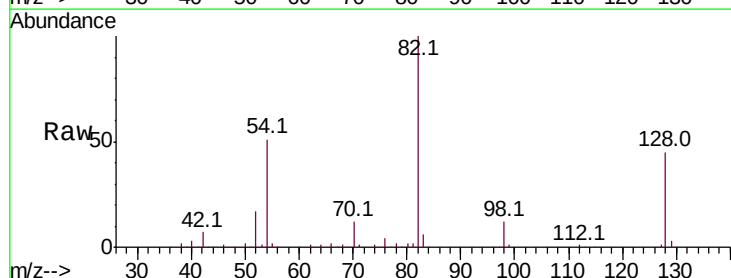
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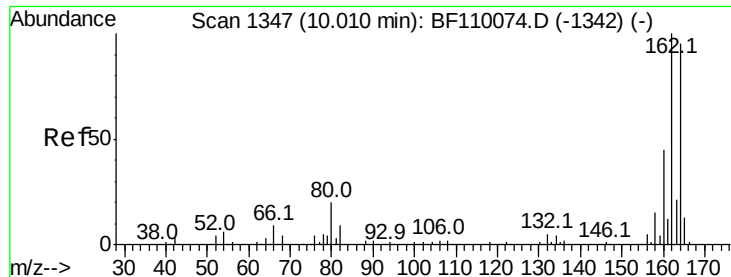
Sohil  
10/31/2018 11:15:05 AM



#23  
Nitrobenzene-d5  
Concen: 29.323 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 44.8  | 34.2 | 51.2  |       |
| 54      | 51.4  | 38.6 | 58.0  |       |





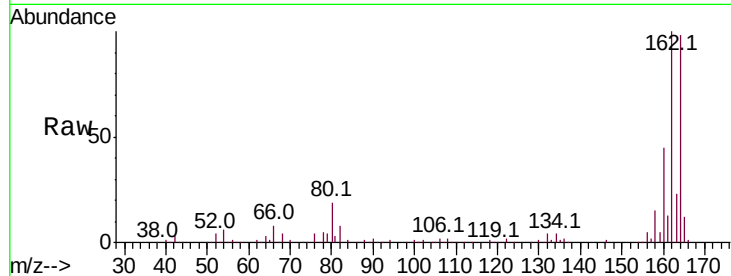
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 83.0  | 124.6 |
| 160     | 45.7  | 37.0  | 55.6  |

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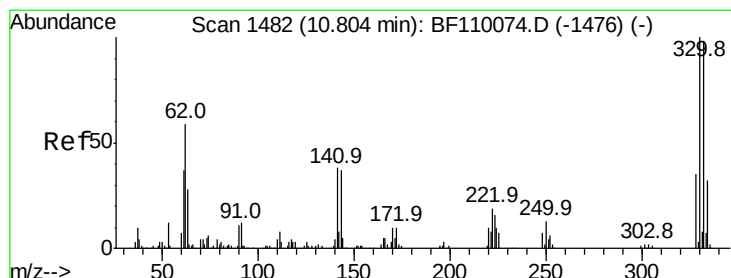
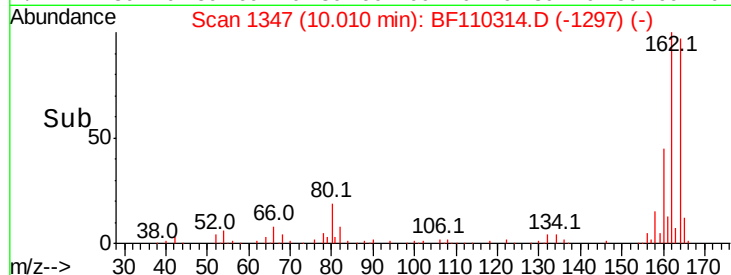
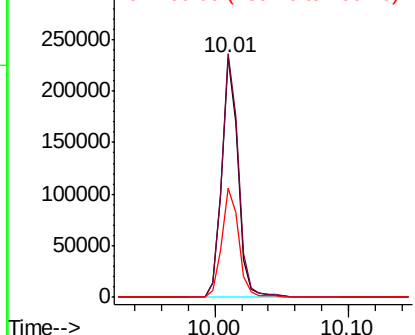


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42  
2,4,6-Tribromophenol  
Concen: 34.062 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

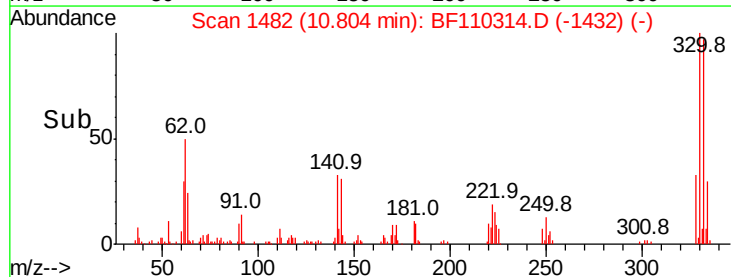
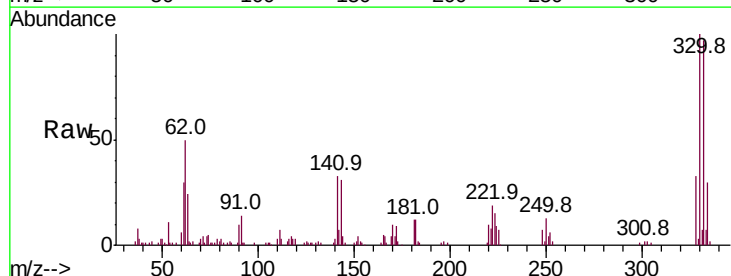
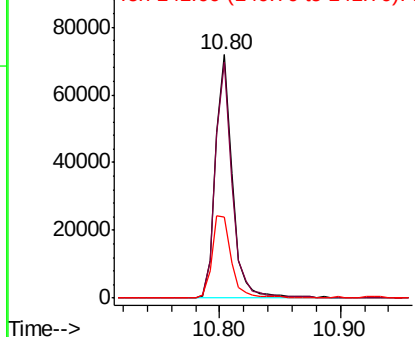
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.1  | 115.7 |
| 141     | 38.6  | 27.0  | 40.4  |

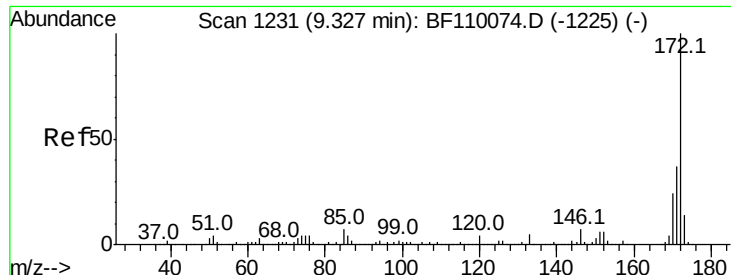
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





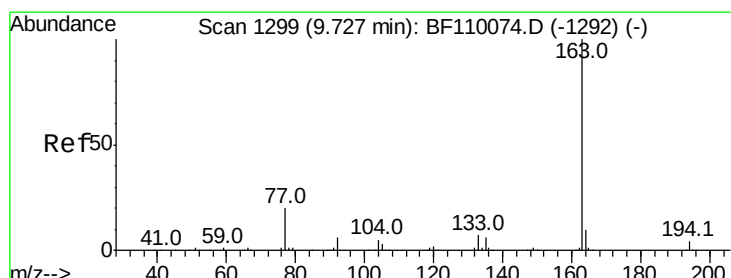
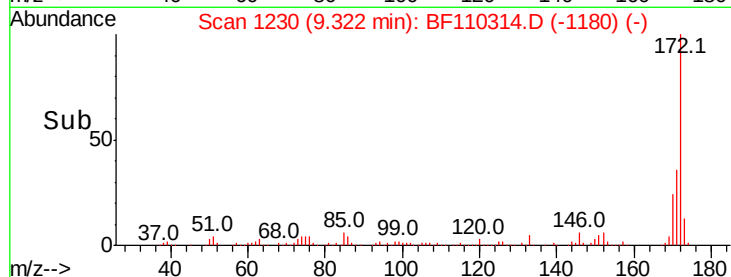
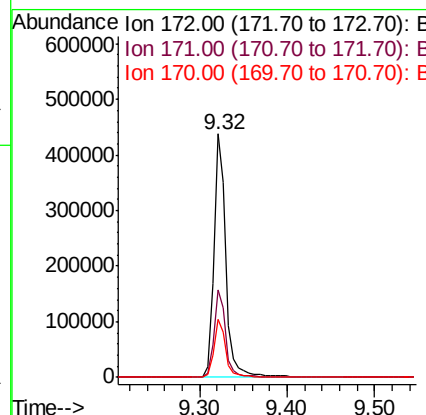
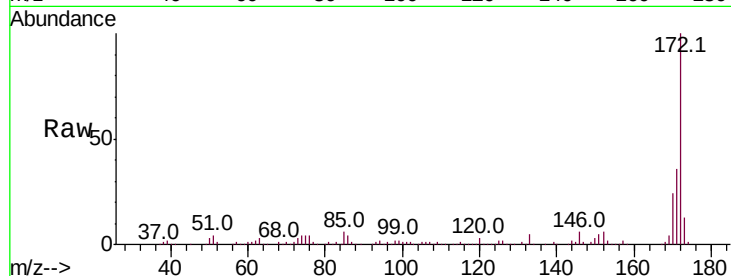
#45  
2-Fluorobiphenyl  
Concen: 32.237 ng  
RT: 9.32 min Scan# 1230  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 415214 |       |       |
| 171     | 36.0  |        | 28.6  | 43.0  |
| 170     | 23.8  |        | 19.7  | 29.5  |

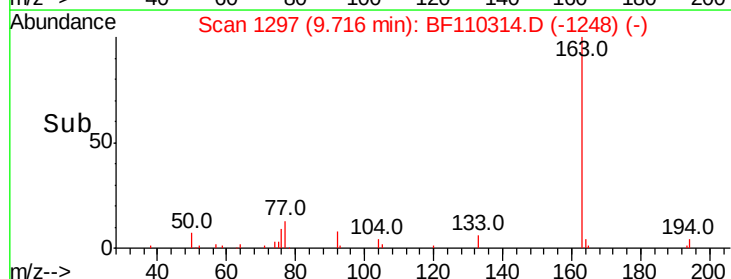
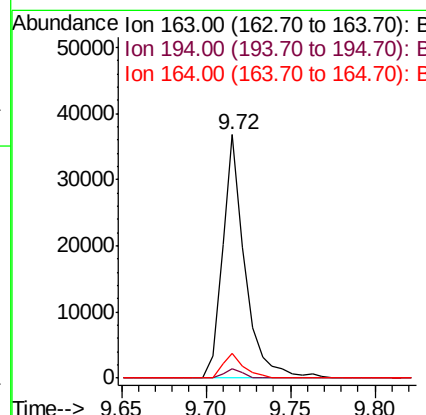
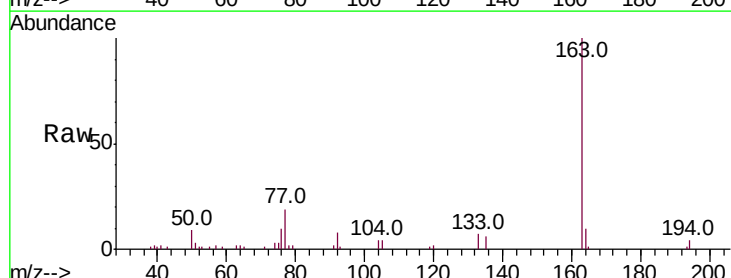
Manual Integrations  
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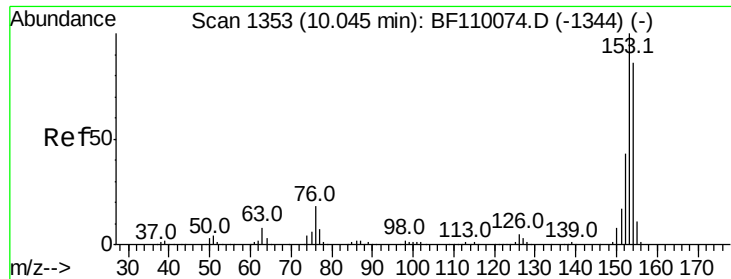
Sohil  
10/31/2018 11:15:05 AM



#50  
Dimethylphthalate  
Concen: 2.271 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 33906 |       |       |
| 194     | 3.8   |       | 3.2   | 4.8   |
| 164     | 10.3  |       | 8.1   | 12.1  |





#52

Acenaphthene

Concen: 2.898 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

Instrument :

BNA\_F

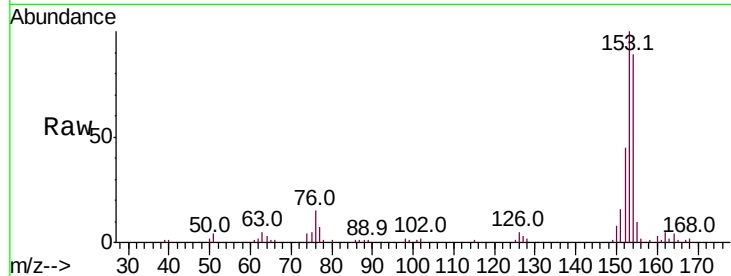
ClientSampleId :

RED-SHAEDL

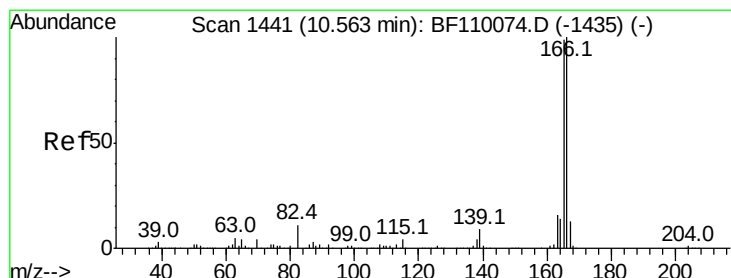
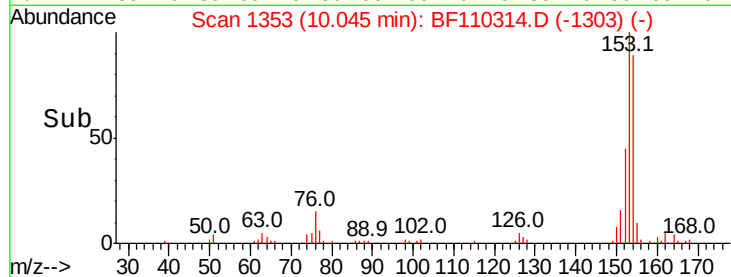
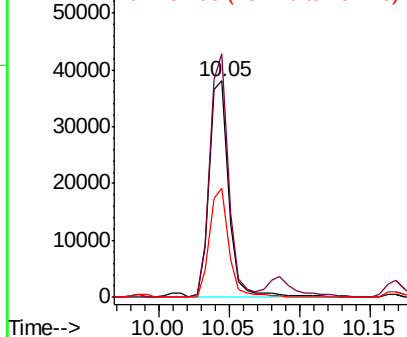
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 37149 |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 112.5 | 90.1  | 135.1 |
| 152      | 50.7  | 43.4  | 65.2  |

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10/31/2018 11:15:05 AM



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



#58

Fluorene

Concen: 4.632 ng

RT: 10.56 min Scan# 1441

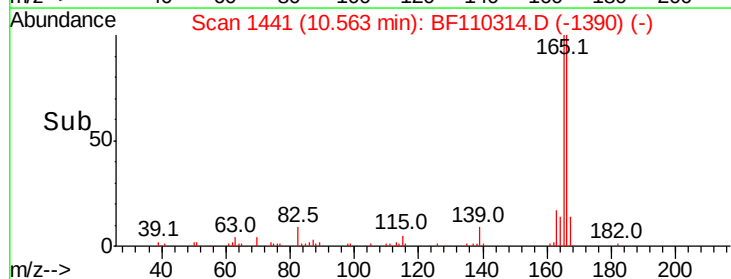
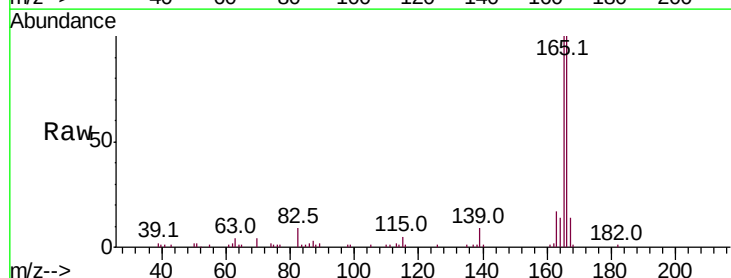
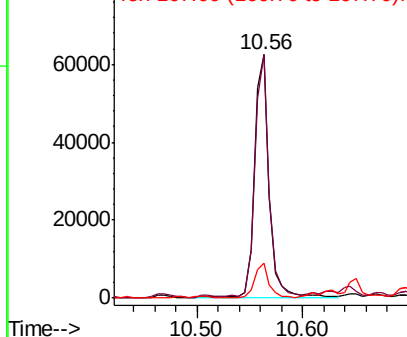
Delta R.T. 0.00 min

Lab File: BF110314.D

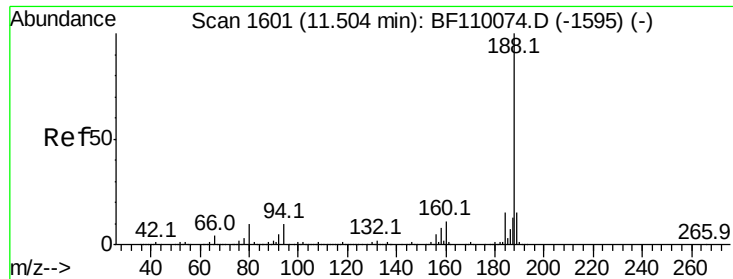
Acq: 30 Oct 2018 20:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 61869 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 100.1 | 78.6  | 117.8 |
| 167      | 14.2  | 10.8  | 16.2  |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E







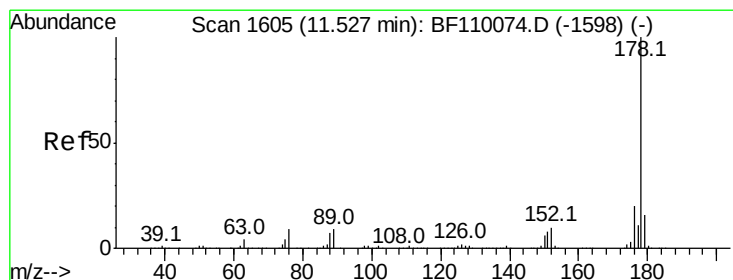
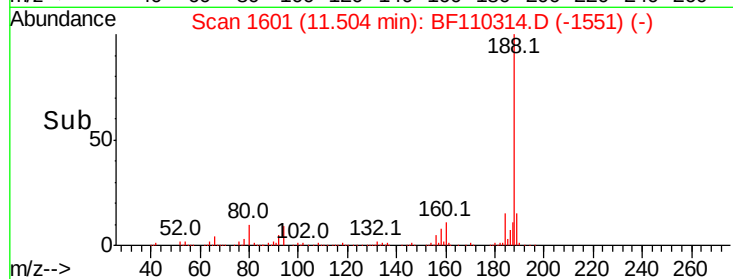
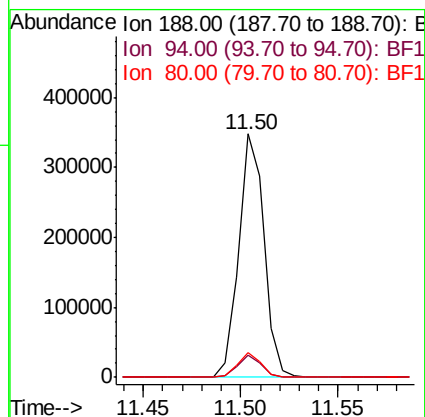
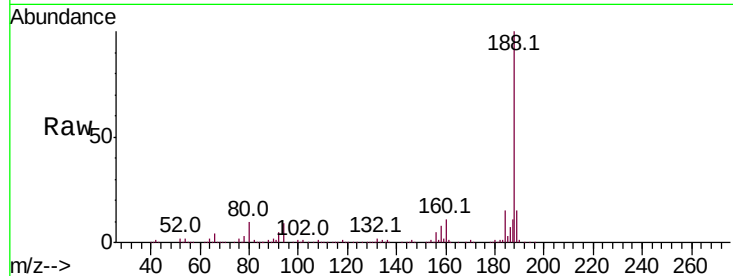
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 9.3   | 7.2  | 10.8  |       |
| 80      | 10.1  | 7.9  | 11.9  |       |

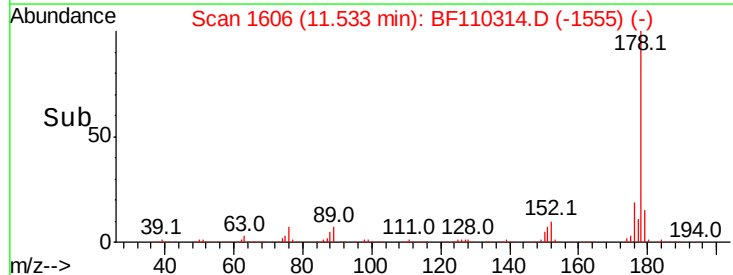
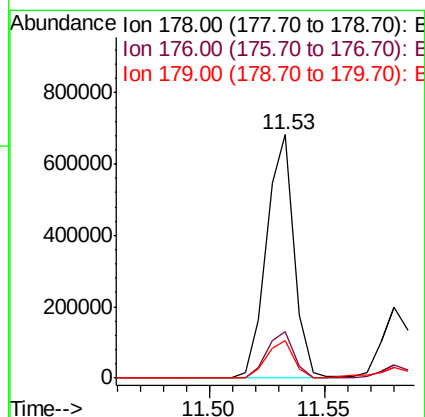
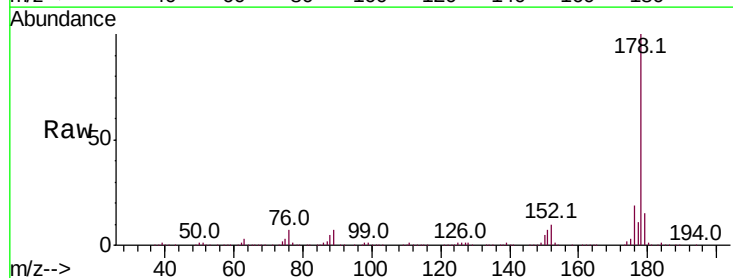
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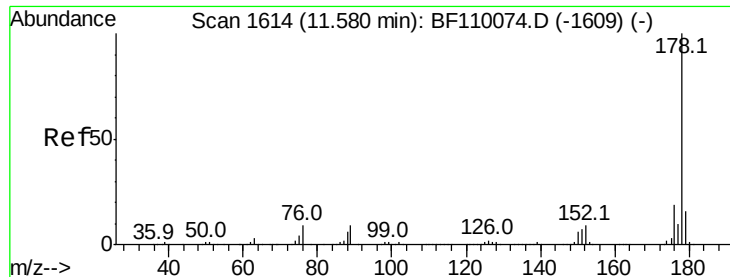
Sohil  
10/31/2018 11:15:05 AM



#71  
Phenanthrene  
Concen: 34.810 ng  
RT: 11.53 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 178     | 100   |      |       |       |
| 176     | 19.0  | 15.5 | 23.3  |       |
| 179     | 15.2  | 12.5 | 18.7  |       |





#72

Anthracene

Concen: 10.260 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

Instrument :

BNA\_F

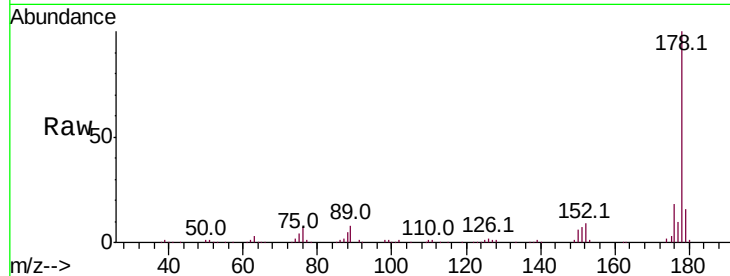
ClientSampleId :

RED-SHAEDL

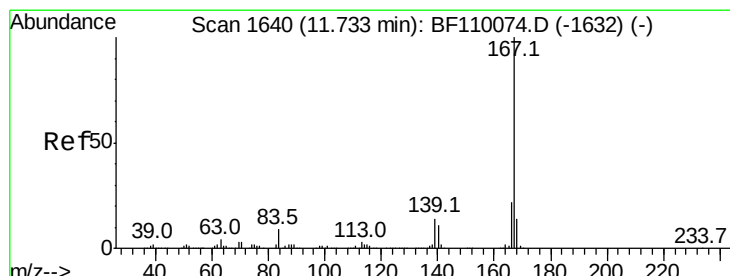
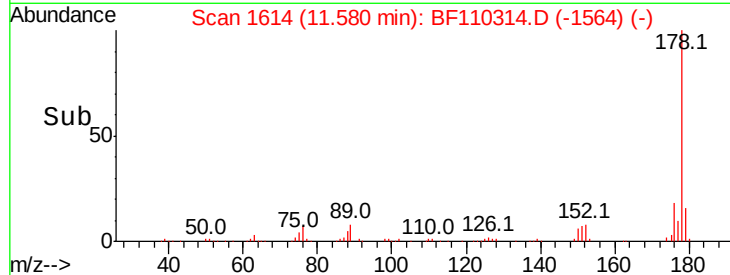
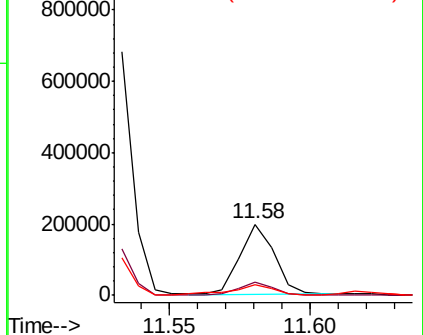
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 168446 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.4  | 15.4  | 23.2   |
| 179       | 15.5  | 12.6  | 18.8   |

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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: 3.871 ng

RT: 11.73 min Scan# 1640

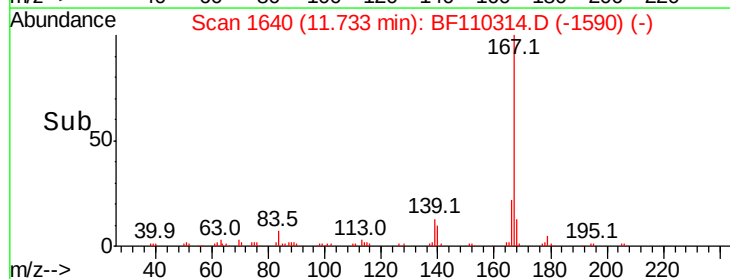
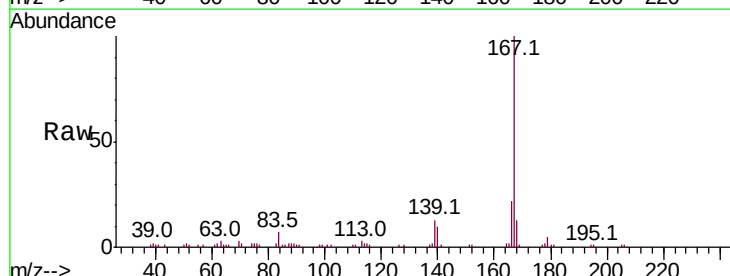
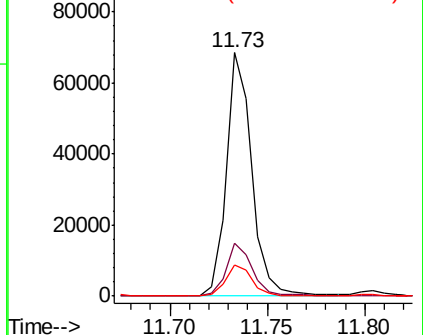
Delta R.T. -0.01 min

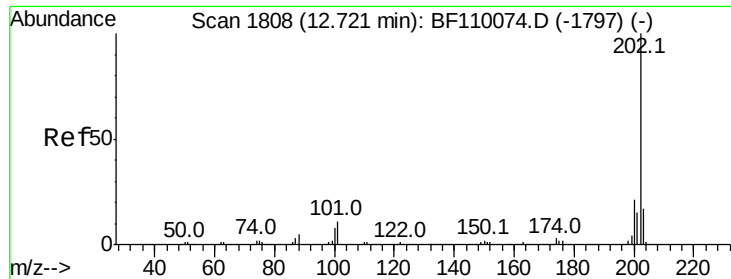
Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 62053 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 21.8  | 17.4  | 26.0  |
| 139       | 12.7  | 10.9  | 16.3  |

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: 42.952 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

Instrument :

BNA\_F

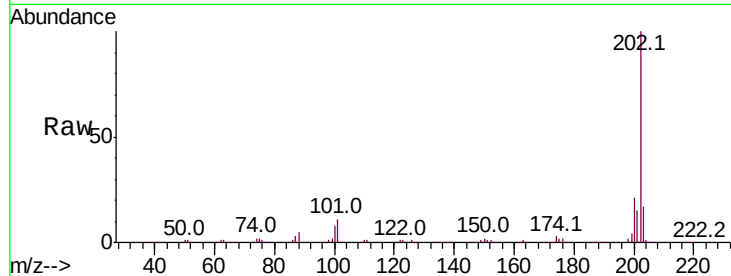
ClientSampled :

RED-SHAEDL

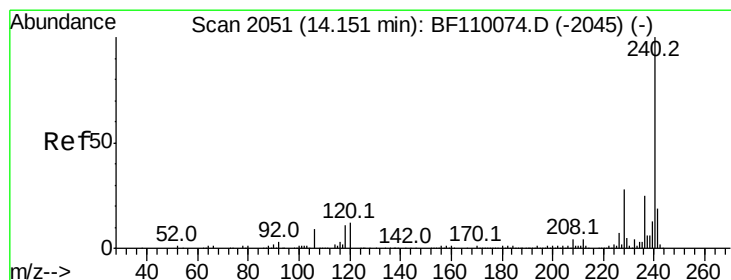
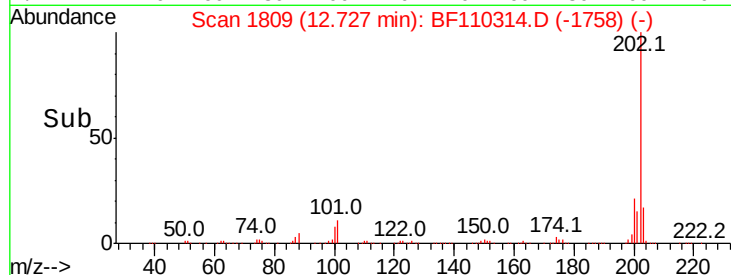
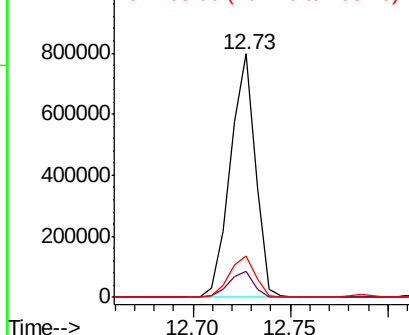
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 714004 |       |       |
| 101     | 10.8  | 0.0    | 31.4  |       |
| 203     | 17.1  | 0.0    | 37.7  |       |

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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

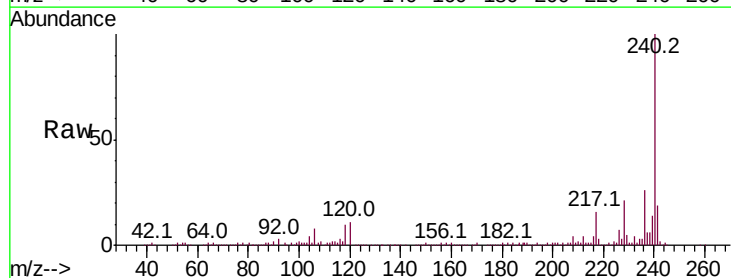
RT: 14.16 min Scan# 2052

Delta R.T. 0.00 min

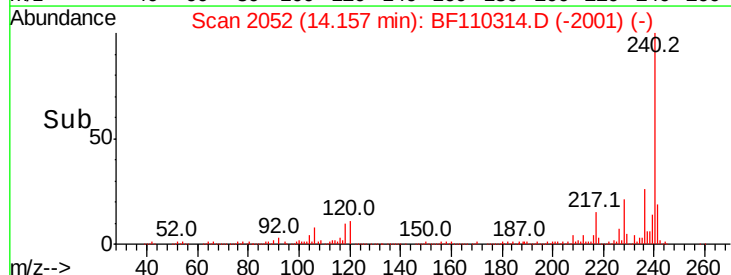
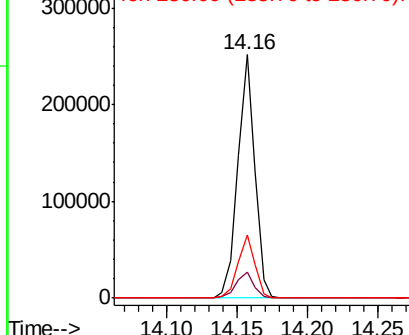
Lab File: BF110314.D

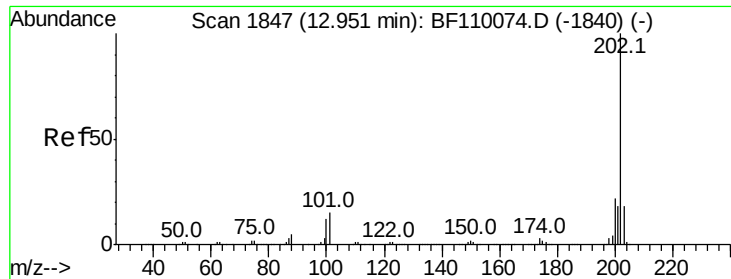
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 211357 |       |       |
| 120     | 10.9  | 8.3    | 12.5  |       |
| 236     | 25.8  | 21.2   | 31.8  |       |



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





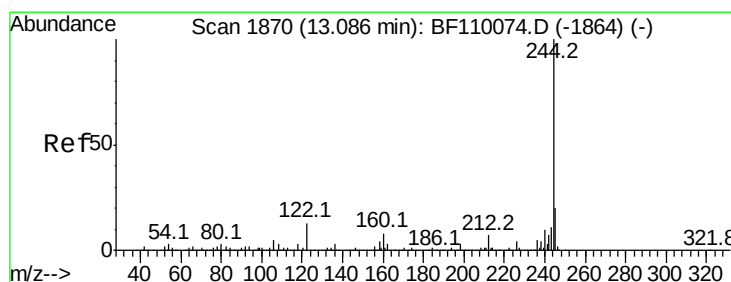
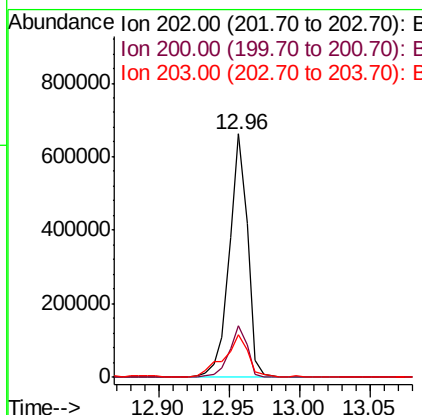
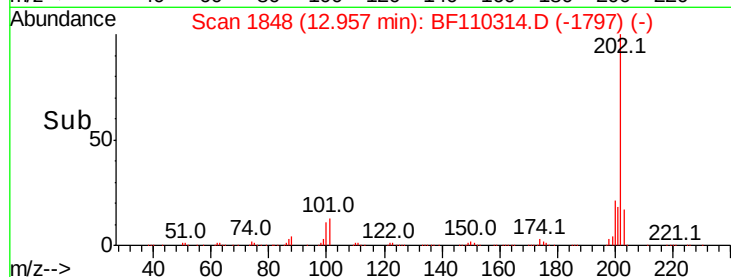
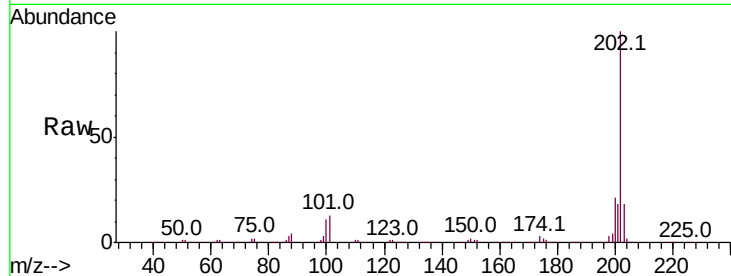
#78  
Pvrene  
Concen: 39.227 ng  
RT: 12.96 min Scan# 1848  
Delta R.T. 0.00 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.8  | 26.6  |
| 203     | 17.7  | 14.2  | 21.4  |

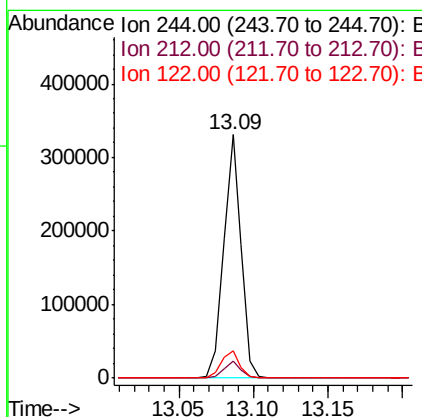
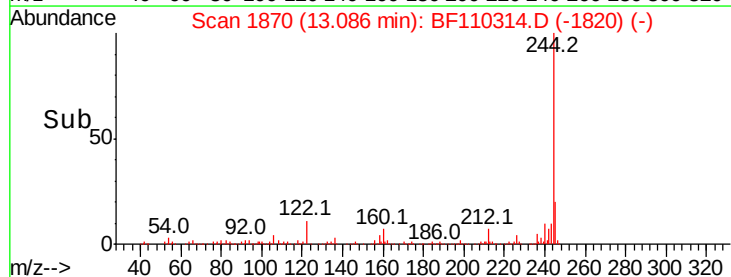
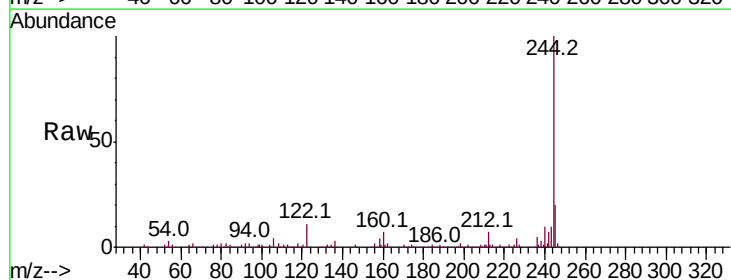
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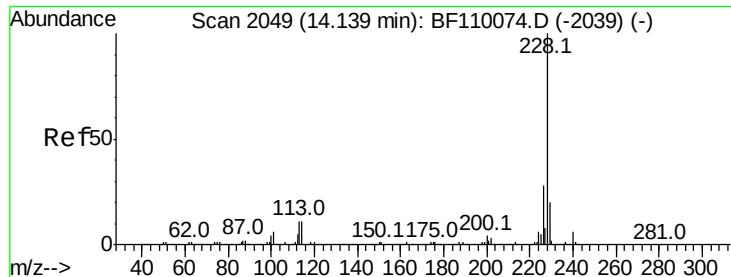
Sohil  
10/31/2018 11:15:05 AM



#79  
Terphenyl-d14  
Concen: 26.763 ng  
RT: 13.09 min Scan# 1870  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.8   | 8.8   |
| 122     | 11.2  | 8.7   | 13.1  |





#81

Benzo(a)anthracene

Concen: 24.340 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

Instrument :

BNA\_F

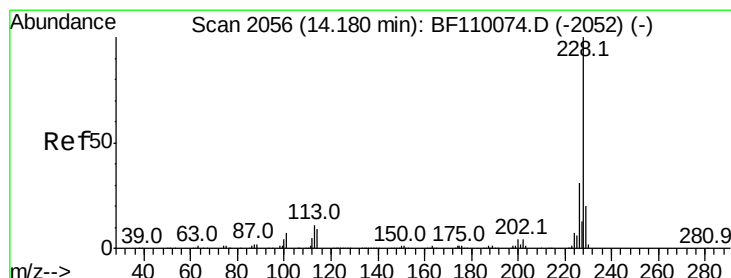
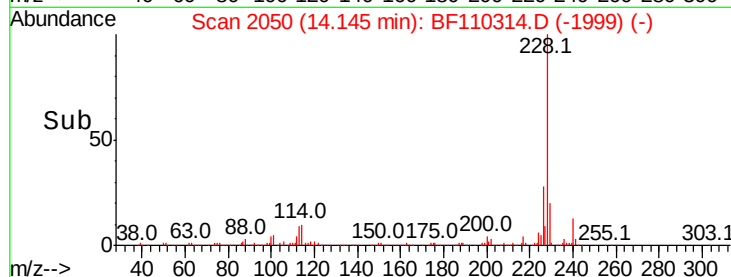
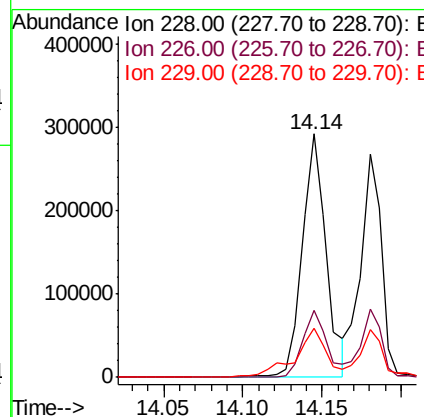
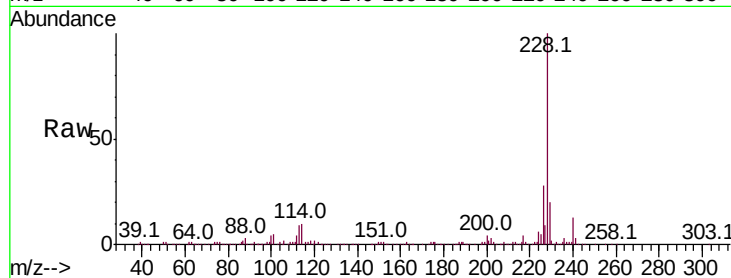
ClientSampleId :

RED-SHAEDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 305072 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.7  | 22.1  | 33.1   |
| 229       | 20.1  | 15.6  | 23.4   |

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#83

Chrysene

Concen: 20.654 ng

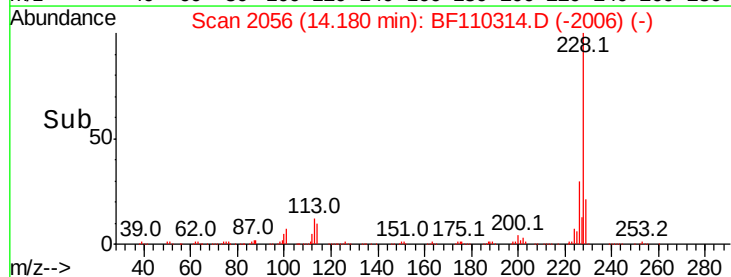
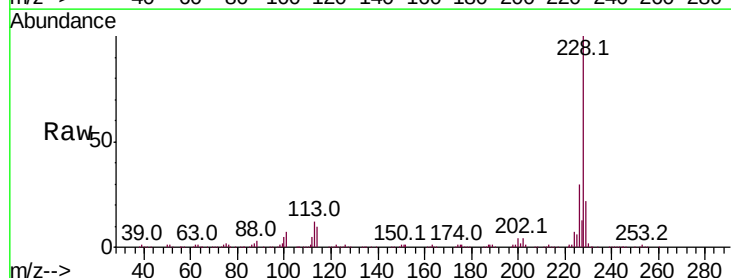
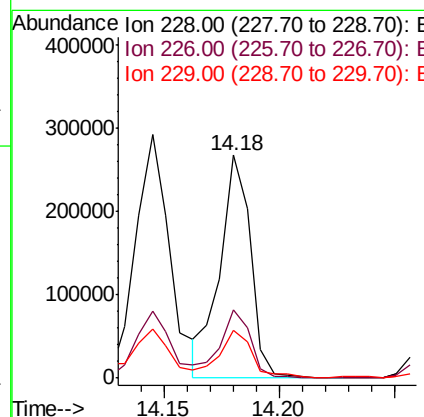
RT: 14.18 min Scan# 2056

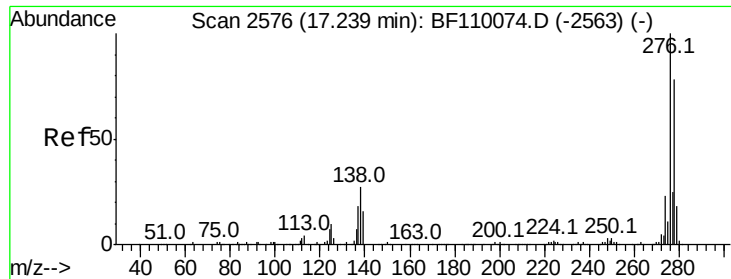
Delta R.T. -0.01 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 245883 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.4  | 24.7  | 37.1   |
| 229       | 21.7  | 15.9  | 23.9   |





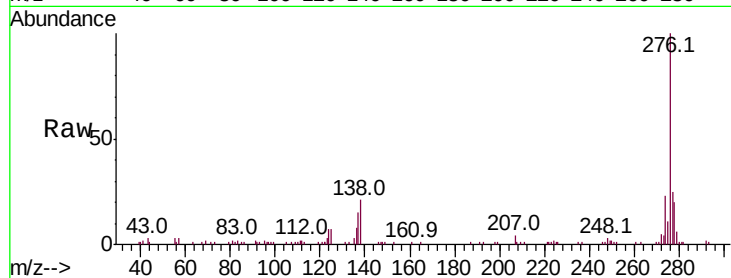
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 10.577 ng  
RT: 17.26 min Scan# 2579  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.6  | 18.5  | 27.7  |
| 277     | 26.1  | 20.0  | 30.0  |

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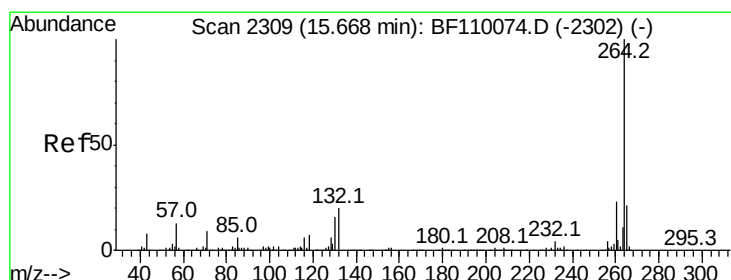
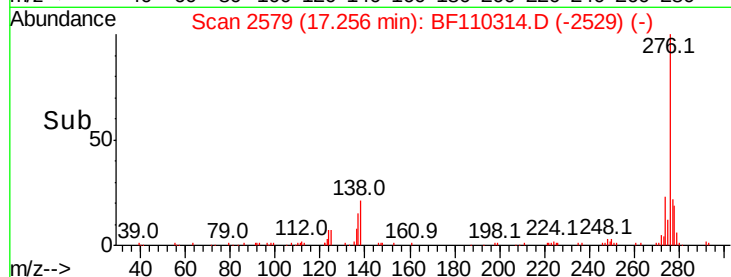
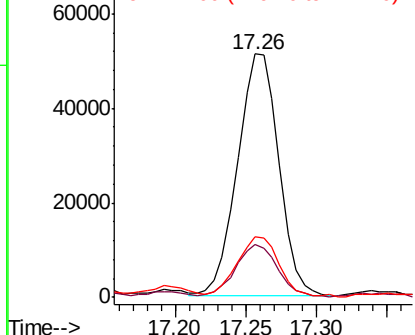


Abundance

Ion 276.00 (275.70 to 276.70): E

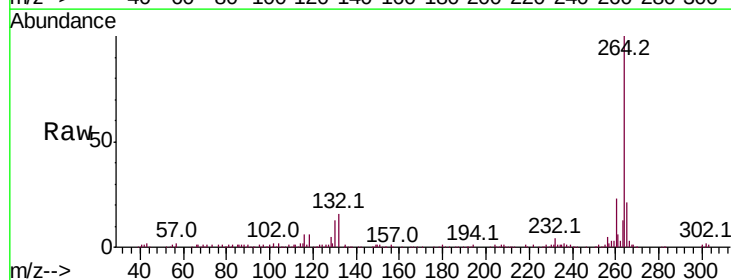
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2313  
Delta R.T. 0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 18.7  | 28.1  |
| 265     | 21.2  | 16.7  | 25.1  |

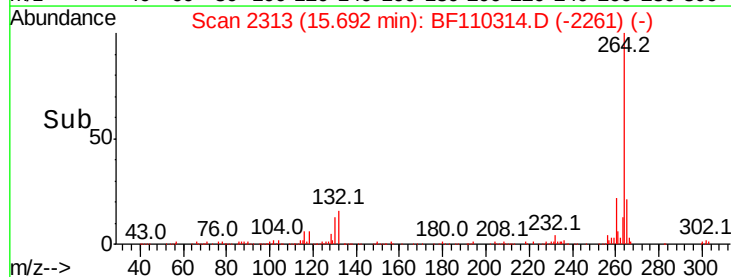
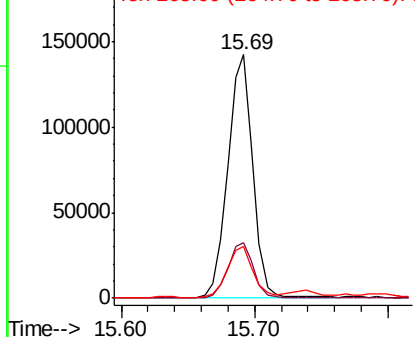


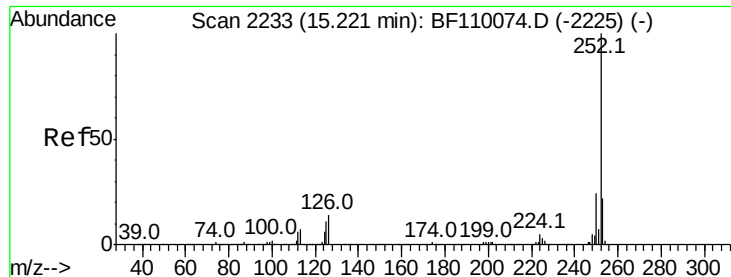
Abundance

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





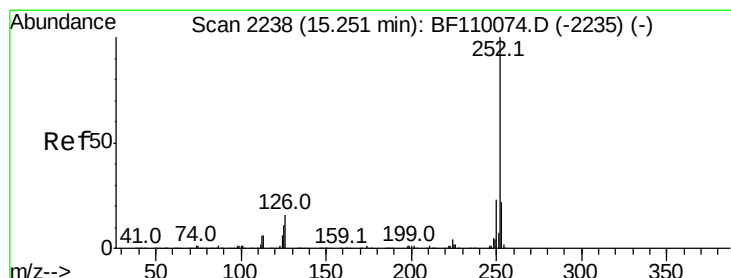
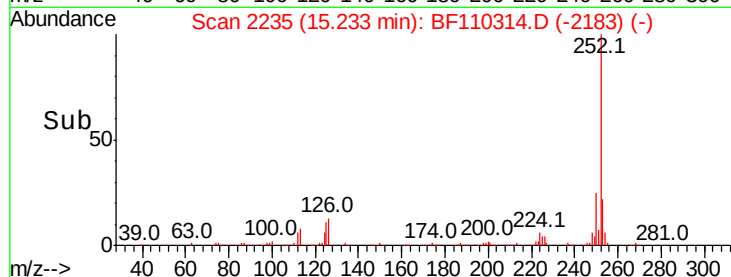
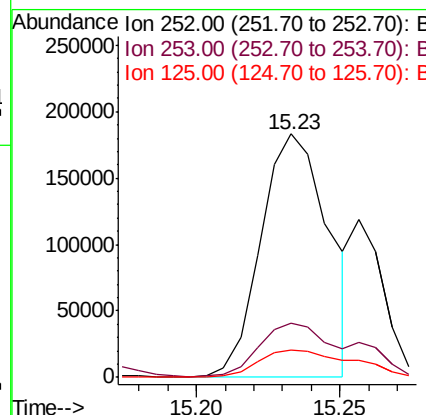
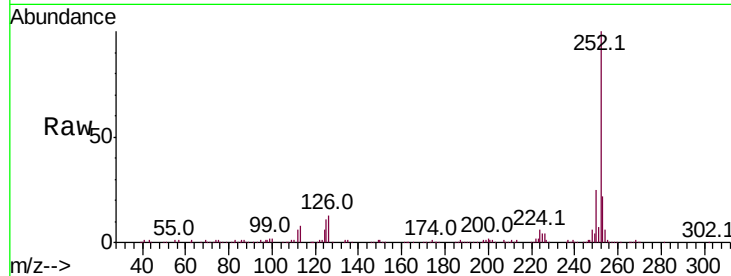
#88  
Benzo(b)fluoranthene  
Concen: 27.781 ng m  
RT: 15.23 min Scan# 2235  
Delta R.T. 0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.2  | 25.8  |
| 125     | 11.1  | 8.2   | 12.4  |

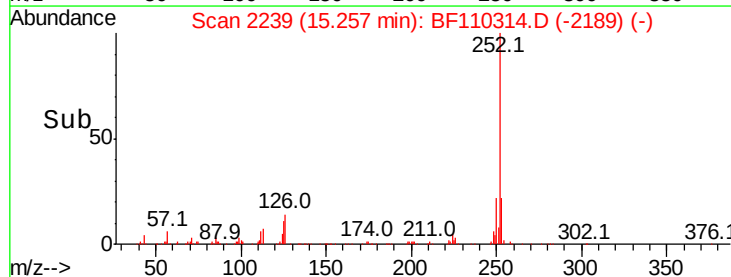
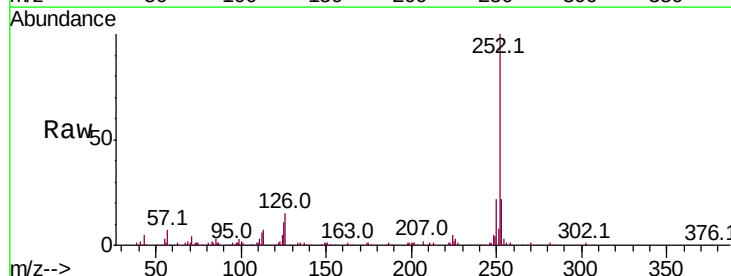
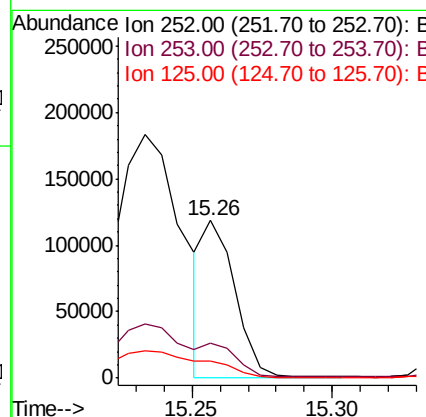
Manual Integrations  
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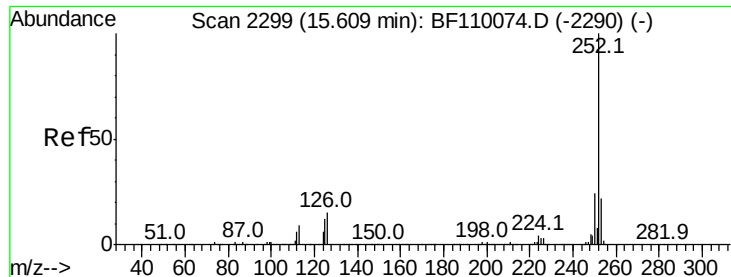
Sohil  
10/31/2018 11:15:05 AM



#89  
Benzo(k)fluoranthene  
Concen: 8.878 ng m  
RT: 15.26 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.2  | 25.8  |
| 125     | 10.8  | 7.4   | 11.0  |





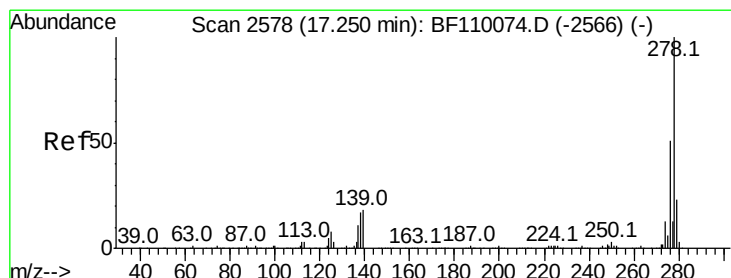
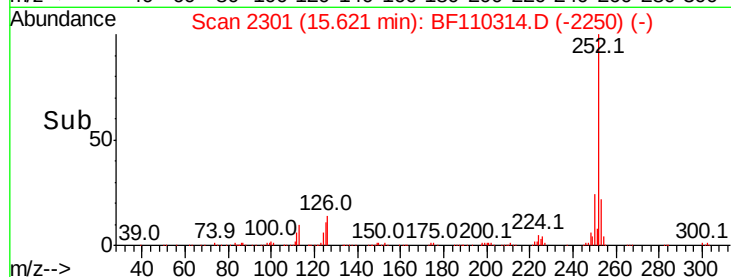
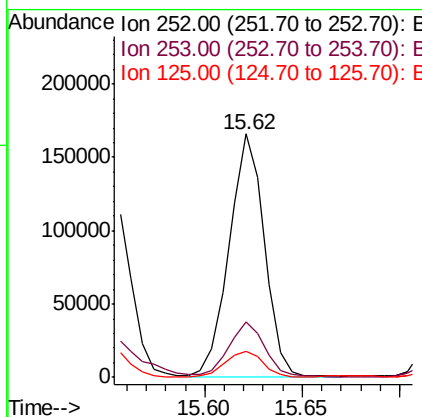
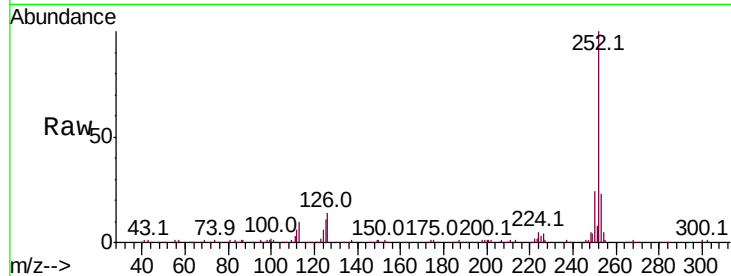
#90  
Benzo(a)pyrene  
Concen: 20.747 ng  
RT: 15.62 min Scan# 2301  
Delta R.T. 0.00 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
RED-SHAEDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.2  | 27.4  |
| 125     | 10.9  | 9.0   | 13.6  |

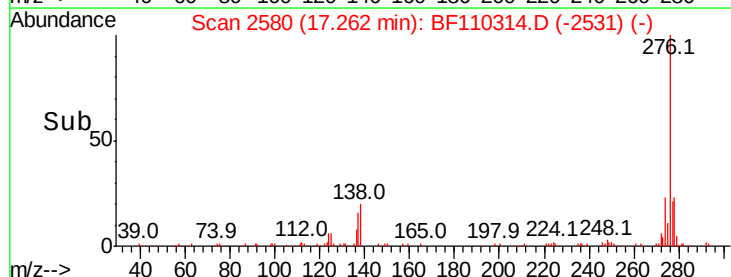
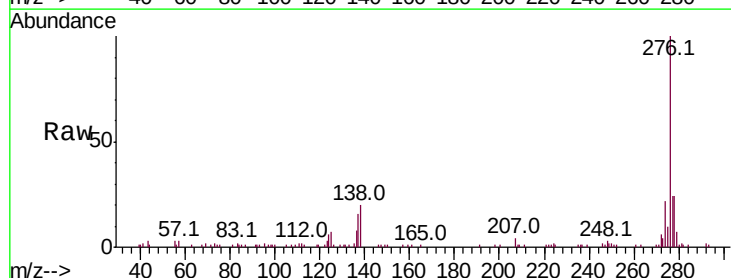
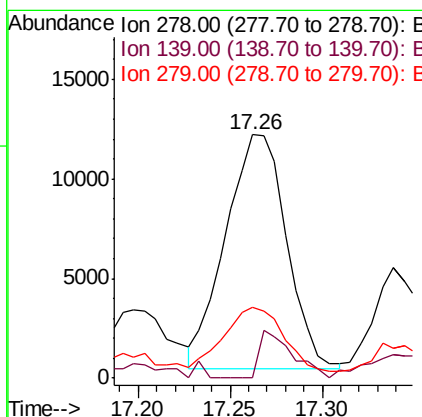
Manual Integrations  
APPROVED

Sohil  
10/31/2018 11:15:05 AM

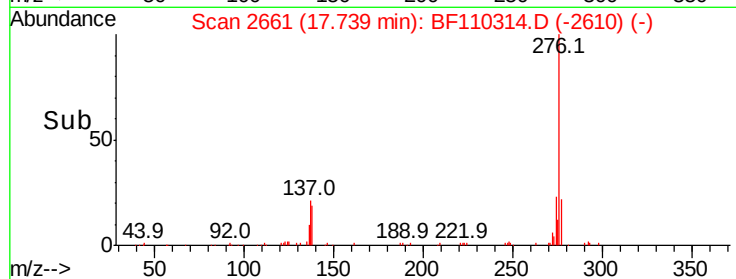
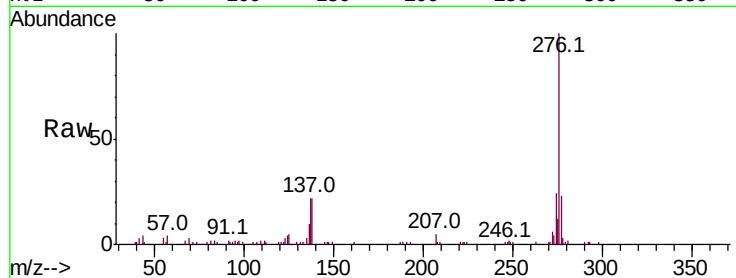
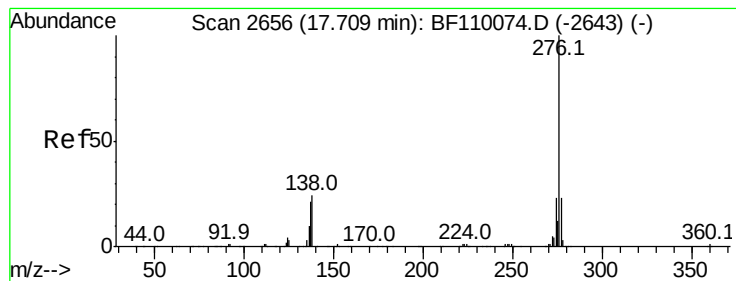


#91  
Dibenzo(a,h)anthracene  
Concen: 3.130 ng m  
RT: 17.26 min Scan# 2580  
Delta R.T. -0.01 min  
Lab File: BF110314.D  
Acq: 30 Oct 2018 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 12.7  | 19.1# |
| 279     | 28.9  | 19.0  | 28.4# |







#92

Benzo(a,h,i)perylene

Concen: 11.445 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.00 min

Lab File: BF110314.D

Acq: 30 Oct 2018 20:18

Instrument :

BNA\_F

ClientSampleId :

RED-SHAEDL

Tot Ion: 276 Resp: 96821

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 21.5 16.0 24.0

Manual Integrations

APPROVED

Sohil

10/31/2018 11:15:05 AM

