

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\  
 Data File : BF101101.D  
 Acq On : 4 Dec 2017 16:42  
 Operator : SJ/JU  
 Sample : I6696-03 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-TP102-B(2+)

Manual Integrations  
 APPROVED

Sohil  
 12/5/2017 3:24:31 PM

Quant Time: Dec 04 17:31:39 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 04 13:07:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 46287    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.14  | 136  | 171402   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 79138    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.38 | 188  | 121300   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.03 | 240  | 102900   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.50 | 264  | 106481   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 63096    | 22.53  | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 75206    | 22.11  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 42462    | 14.78  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 14621    | 15.38  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 86924    | 15.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 65244    | 13.87  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.18  | 128  | 3468465  | 410.59 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.85  | 142  | 754932   | 131.52 | ng    | 98       |
| 45) 1,1'-Biphenyl           | 9.31  | 154  | 316606   | 43.67  | ng    | 97       |
| 48) Acenaphthylene          | 9.75  | 152  | 221958   | 26.23  | ng    | 98       |
| 51) Acenaphthene            | 9.93  | 154  | 917460   | 181.06 | ng    | 100      |
| 54) Dibenzofuran            | 10.09 | 168  | 82552    | 11.31  | ng    | # 95     |
| 57) Fluorene                | 10.45 | 166  | 489622   | 82.48  | ng    | 100      |
| 70) Phenanthrene            | 11.43 | 178  | 2229460  | 333.75 | ng    | 99       |
| 71) Anthracene              | 11.46 | 178  | 537718   | 79.54  | ng    | 98       |
| 74) Fluoranthene            | 12.60 | 202  | 1110723  | 150.00 | ng    | 97       |
| 77) Pyrene                  | 12.85 | 202  | 1469778  | 207.00 | ng    | 99       |
| 80) Benzo(a)anthracene      | 14.02 | 228  | 512684m  | 78.91  | ng    |          |
| 82) Chrysene                | 14.06 | 228  | 389557   | 64.56  | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.99 | 276  | 162980   | 30.38  | ng    | # 88     |
| 87) Benzo(b)fluoranthene    | 15.07 | 252  | 433927m  | 68.04  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.10 | 252  | 125272m  | 19.94  | ng    |          |
| 89) Benzo(a)pyrene          | 15.45 | 252  | 455022   | 78.47  | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 16.99 | 278  | 36489m   | 7.14   | ng    |          |
| 91) Benzo(a,h,i)perylene    | 17.44 | 276  | 178155m  | 36.98  | ng    |          |

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

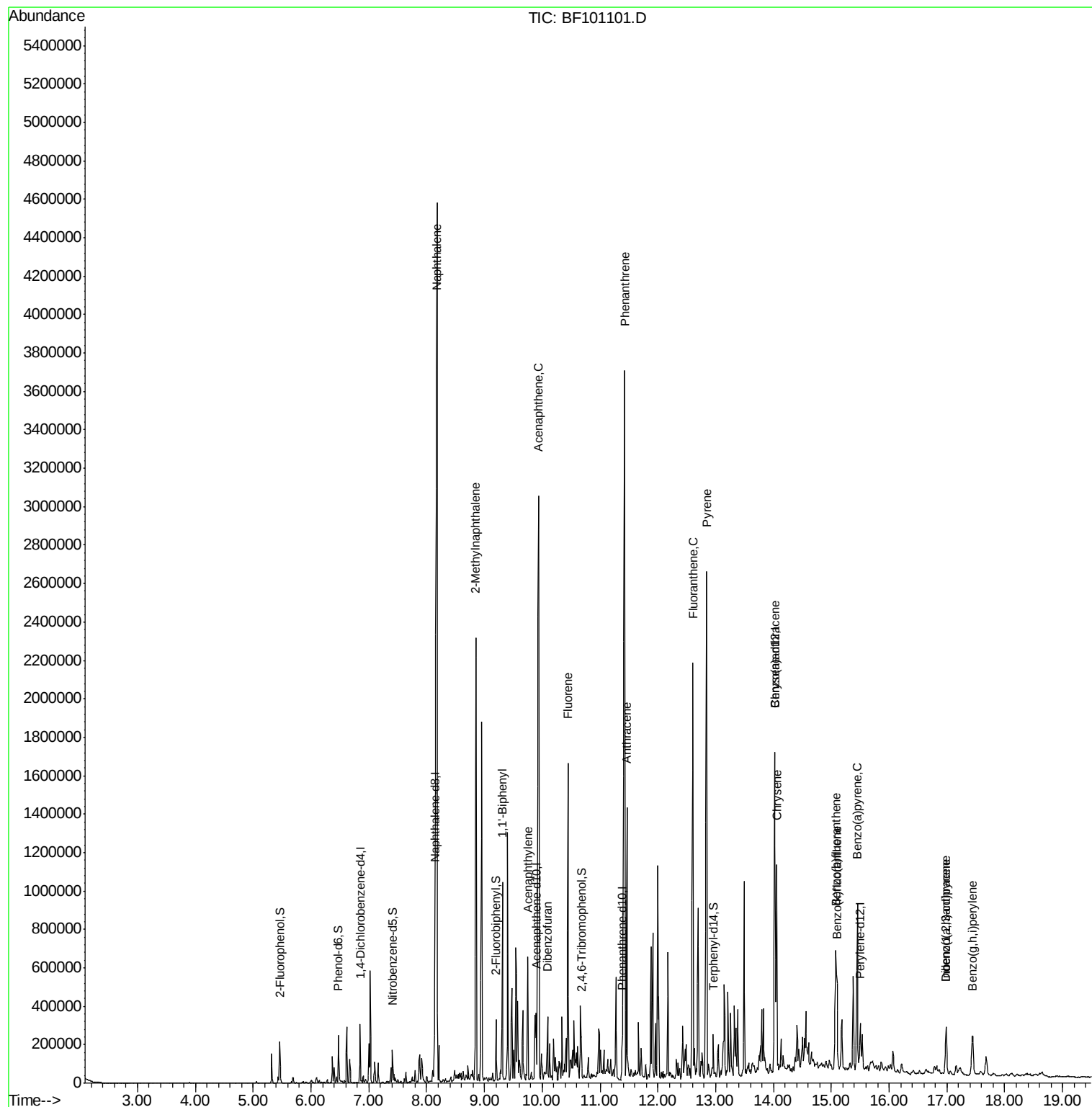
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\  
Data File : BF101101.D  
Acq On : 4 Dec 2017 16:42  
Operator : SJ/JU  
Sample : I6696-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

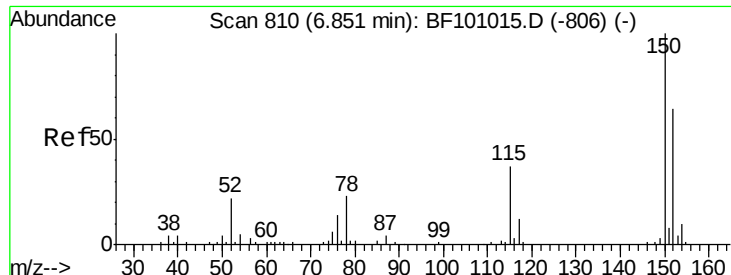
Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

Manual Integrations  
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12/5/2017 3:24:31 PM

Quant Time: Dec 04 17:31:39 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 04 13:07:49 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

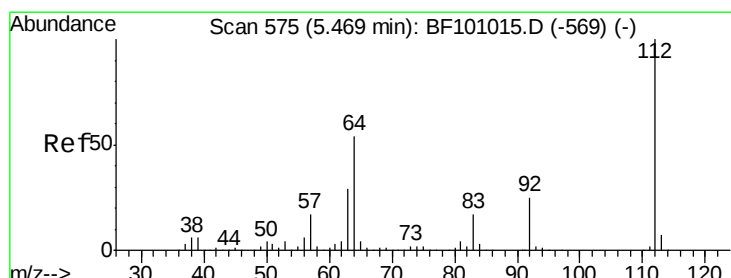
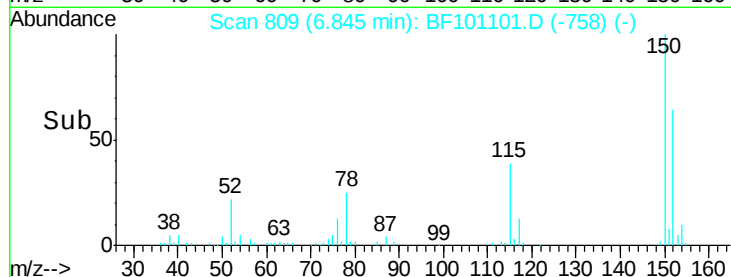
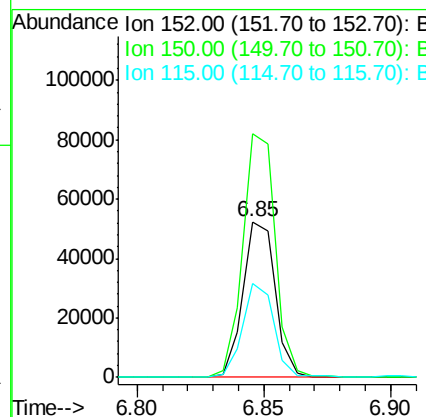
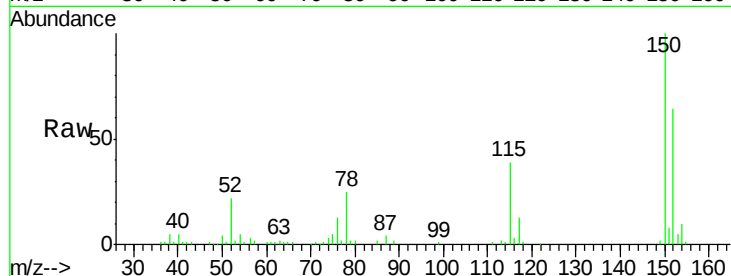
ClientSampleId :

CS-TP102-B(2+)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 46287 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 156.3 | 124.6 | 186.8 |
| 115       | 60.6  | 50.1  | 75.1  |

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#5

2-Fluorophenol

Concen: 22.53 ng

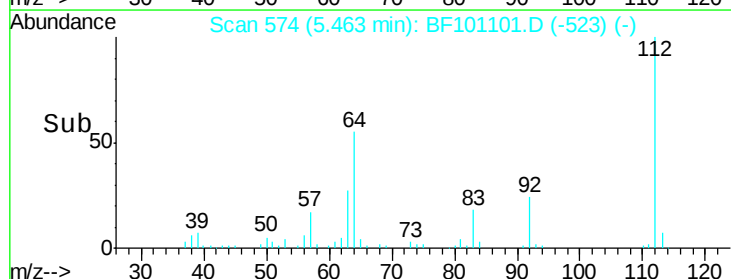
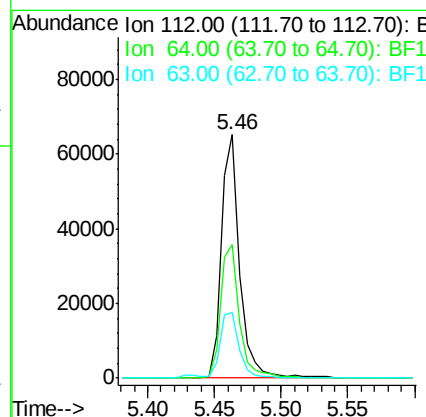
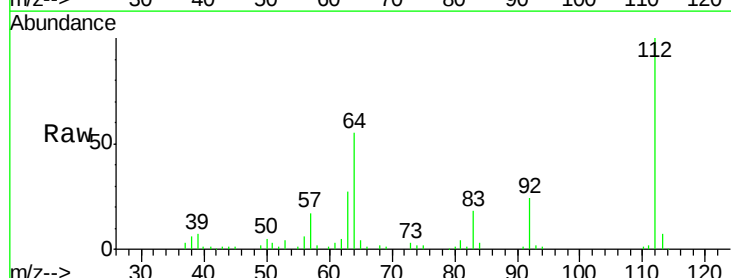
RT: 5.46 min Scan# 574

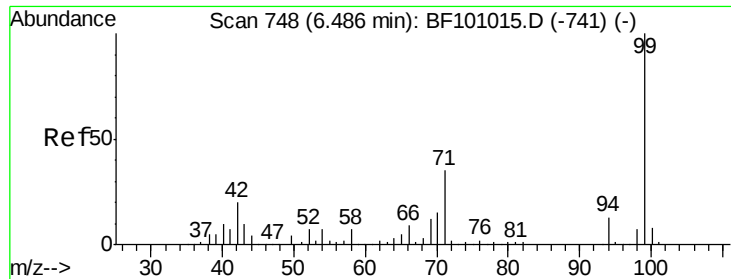
Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 63096 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 54.7  | 47.9  | 71.9  |
| 63        | 27.2  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 22.11 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

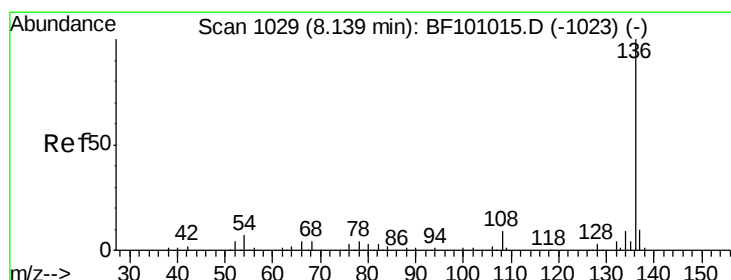
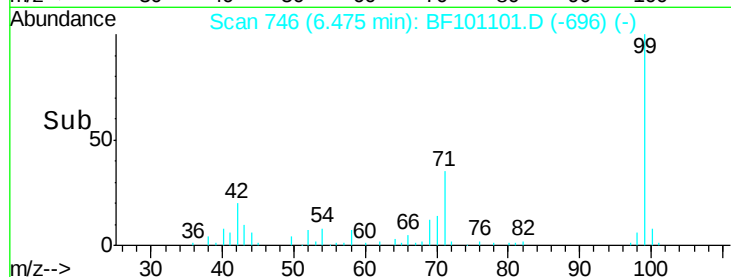
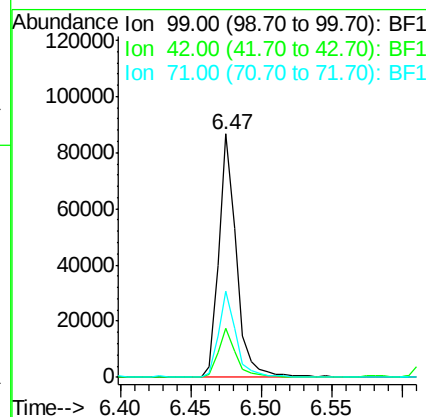
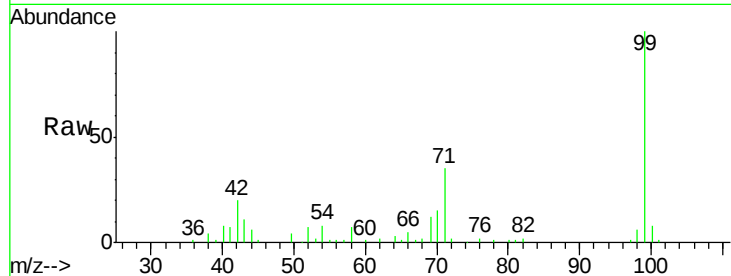
ClientSampleId :

CS-TP102-B(2+)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 75206 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 19.9  | 14.5  | 21.7  |
| 71        | 35.5  | 25.4  | 38.0  |

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#21

Naphthalene-d8

Concen: 20.00 ng

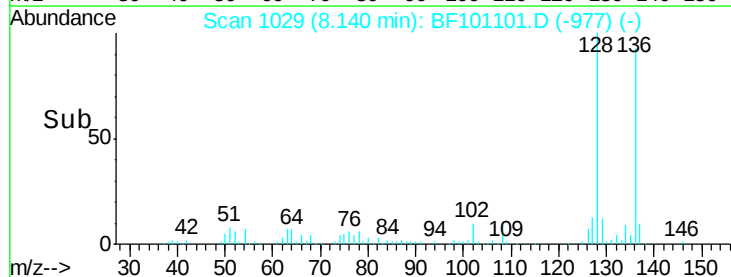
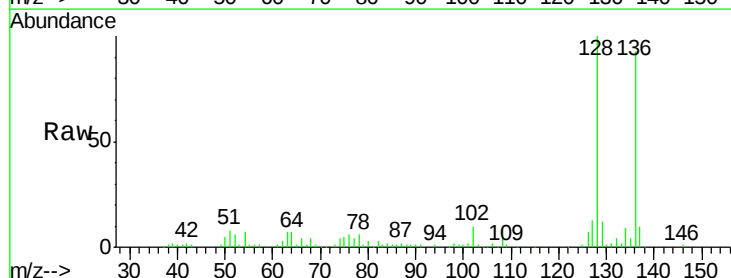
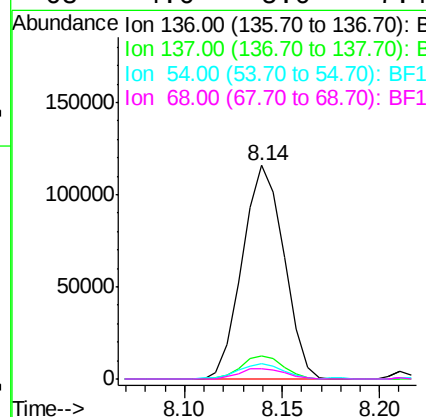
RT: 8.14 min Scan# 1029

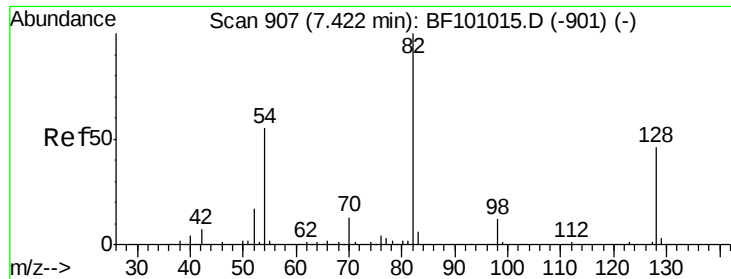
Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 171402 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 8.9   | 13.3   |
| 54        | 7.2   | 6.6   | 9.8    |
| 68        | 4.6   | 5.0   | 7.4#   |





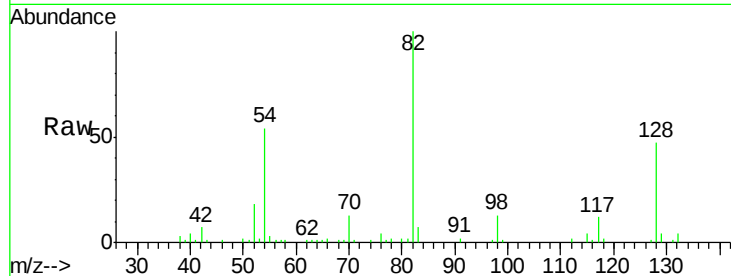
#23  
Nitrobenzene-d5  
Concen: 14.78 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

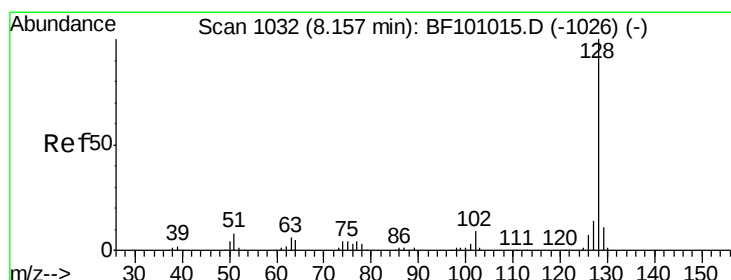
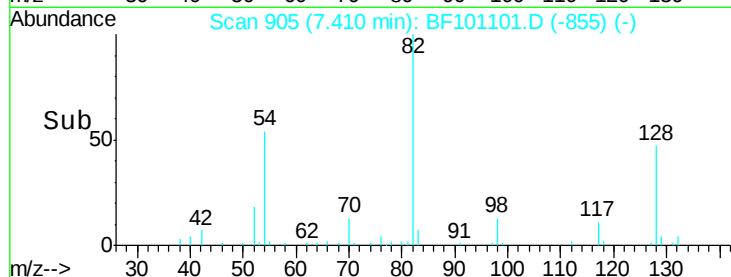
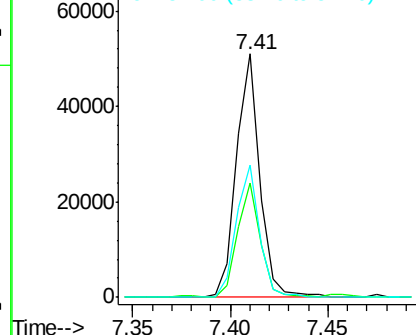
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.8  | 36.1  | 54.1  |
| 54      | 54.5  | 41.4  | 62.2  |

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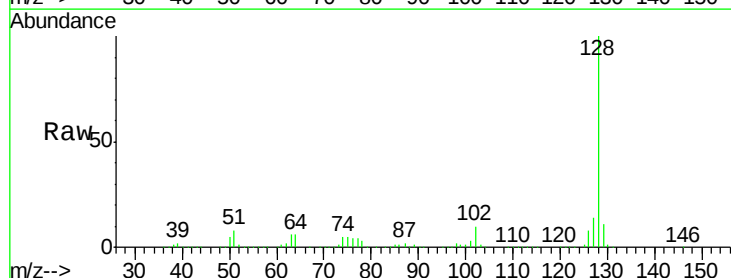


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

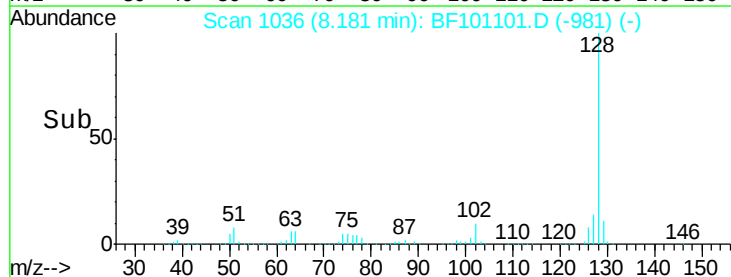
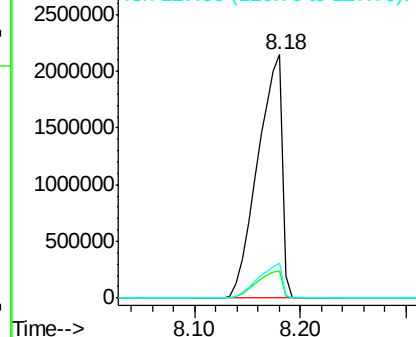


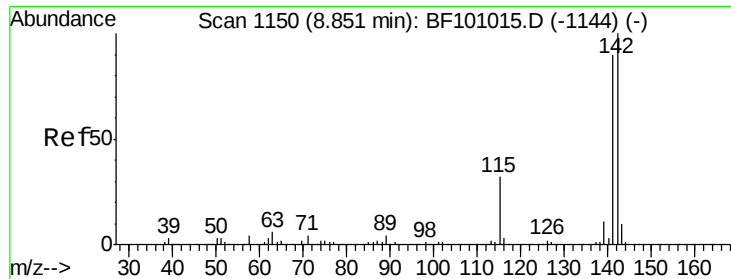
#31  
Naphthalene  
Concen: 410.59 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. 0.02 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.3  | 8.8   | 13.2  |
| 127     | 14.4  | 10.9  | 16.3  |



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





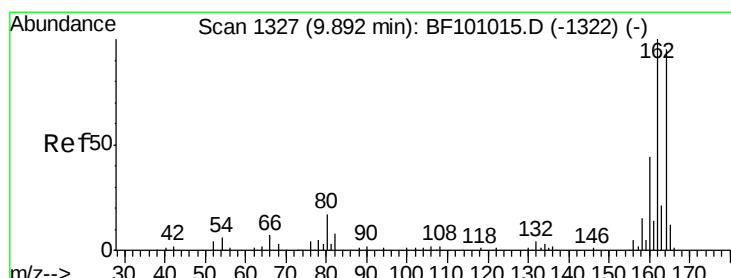
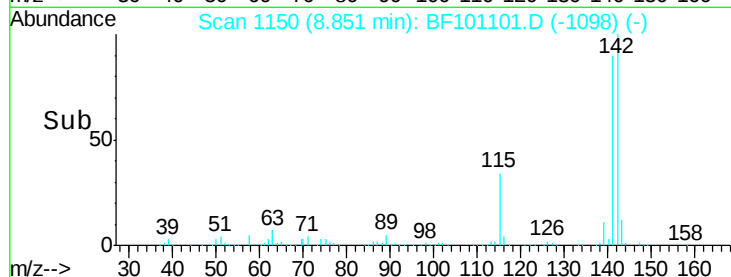
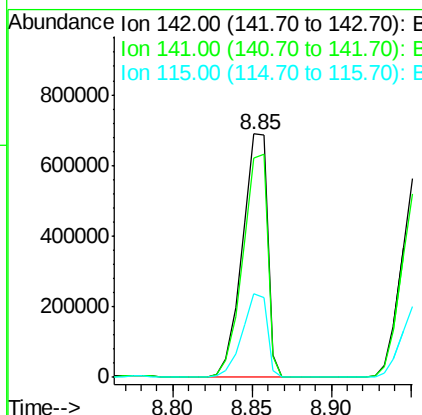
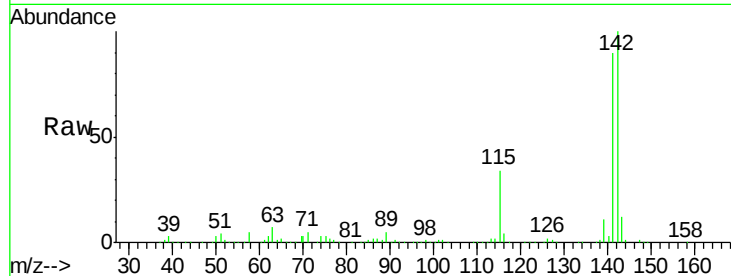
#37  
2-Methylnaphthalene  
Concen: 131.52 ng  
RT: 8.85 min Scan# 1150  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 70.8  | 106.2 |
| 115     | 34.4  | 26.1  | 39.1  |

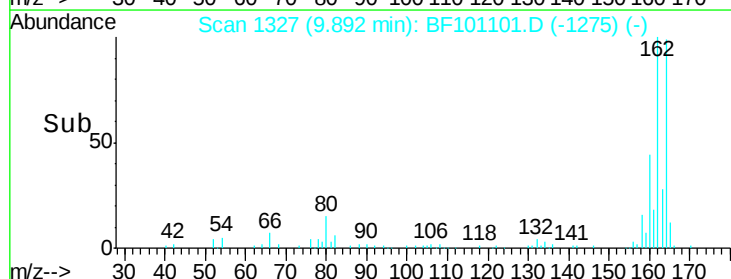
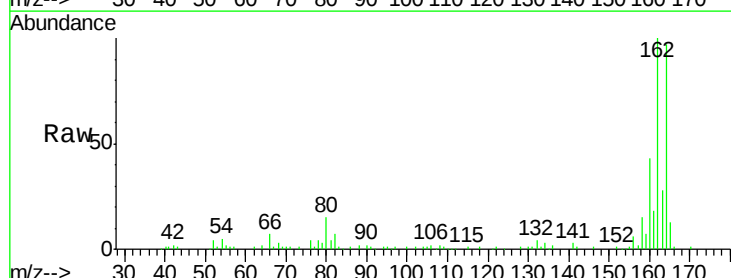
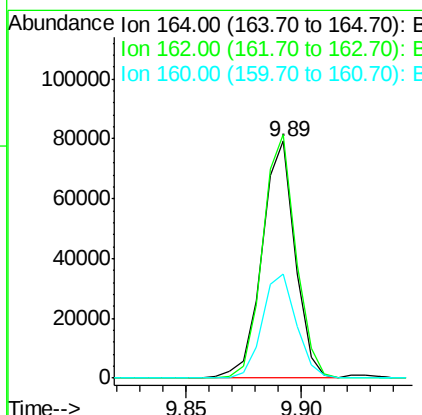
Manual Integrations  
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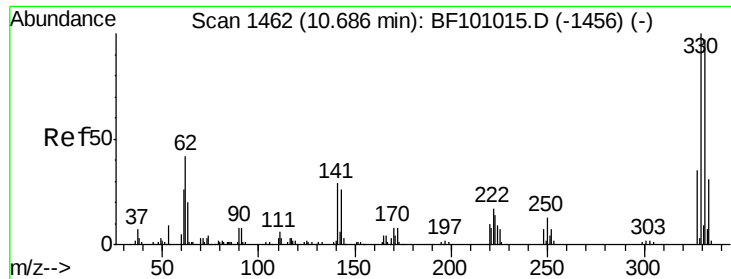
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.7 | 86.1  | 129.1 |
| 160     | 44.1  | 38.3  | 57.5  |





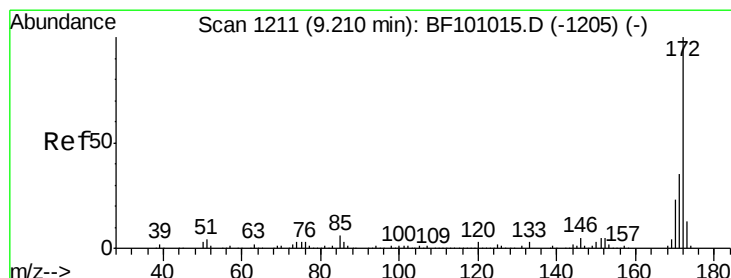
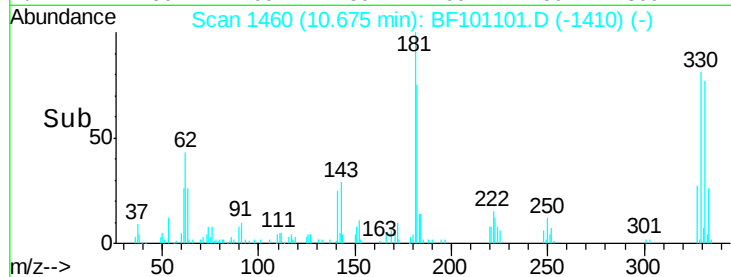
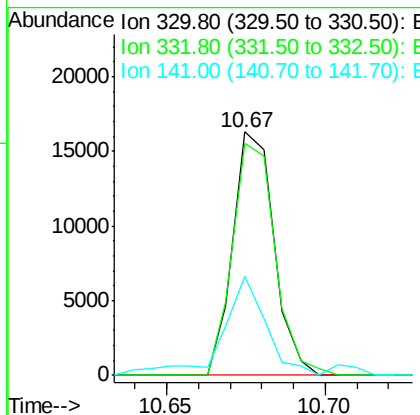
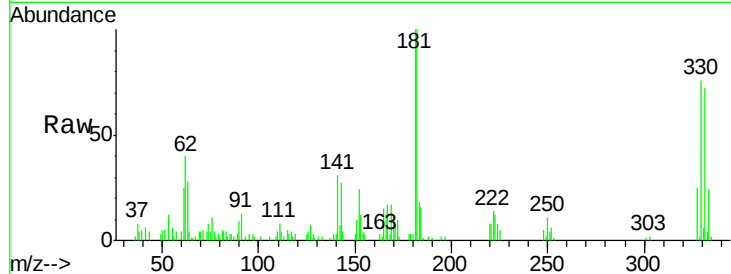
#41  
 2,4,6-Tribromophenol  
 Concen: 15.38 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.01 min  
 Lab File: BF101101.D  
 Acq: 4 Dec 2017 16:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-TP102-B(2+)

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 14621 |       |       |
| 332     | 99.2  | 77.0  | 115.6 |       |
| 141     | 43.4  | 29.9  | 44.9  |       |

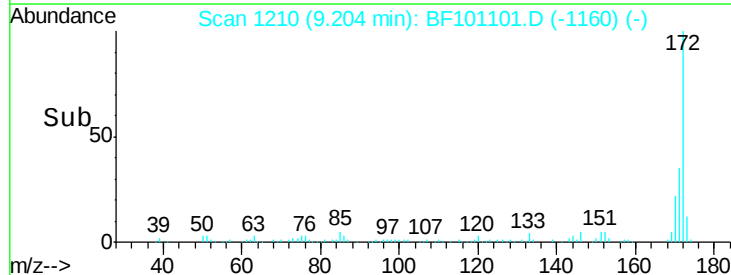
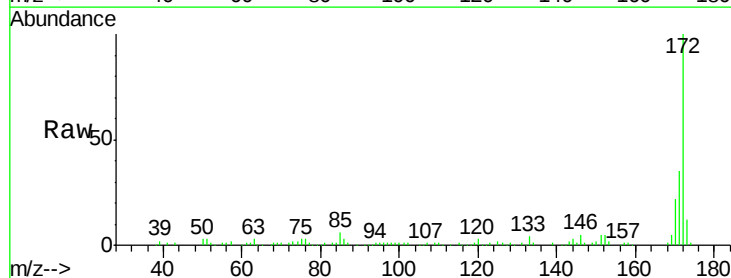
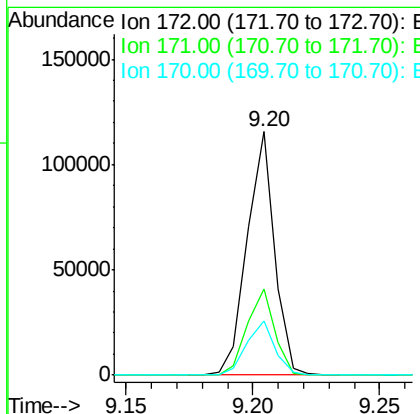
Manual Integrations  
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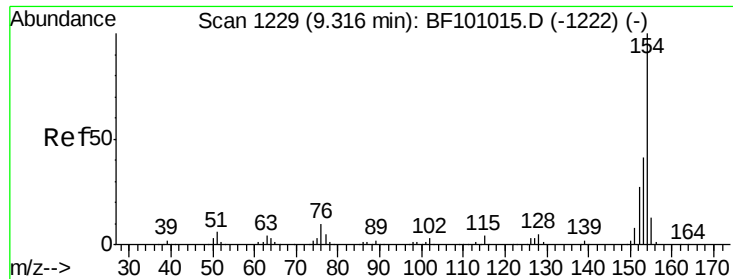
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#44  
 2-Fluorobiphenyl  
 Concen: 15.03 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF101101.D  
 Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 172     | 100   | 86924 |       |       |
| 171     | 35.3  | 29.7  | 44.5  |       |
| 170     | 22.4  | 19.6  | 29.4  |       |





#45

1,1'-Biphenyl

Concen: 43.67 ng

RT: 9.31 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

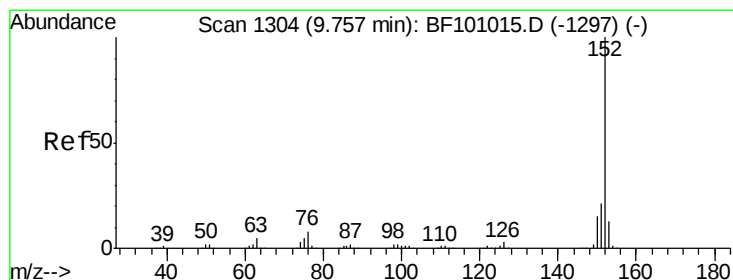
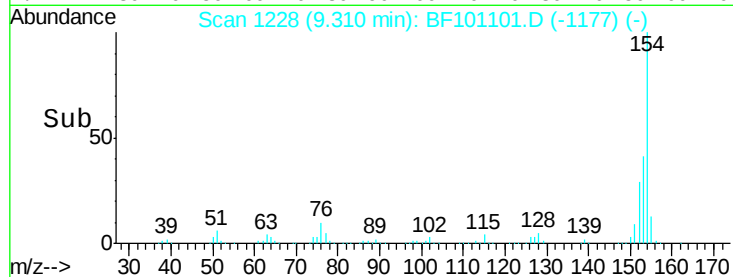
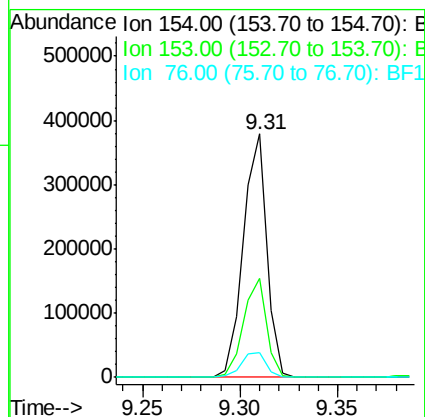
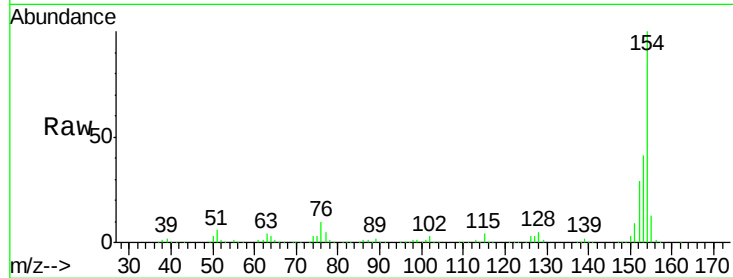
ClientSampleId :

CS-TP102-B(2+)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 316606 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.6  | 21.3  | 61.3   |
| 76        | 10.3  | 0.0   | 34.0   |

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#48

Acenaphthylene

Concen: 26.23 ng

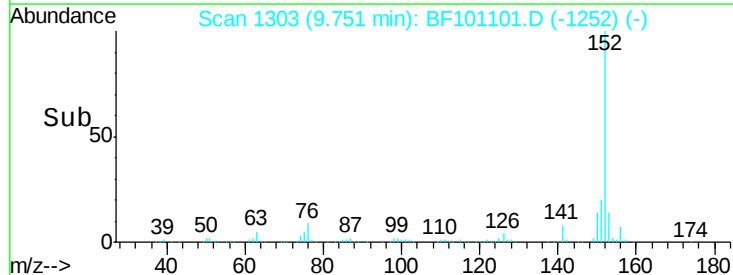
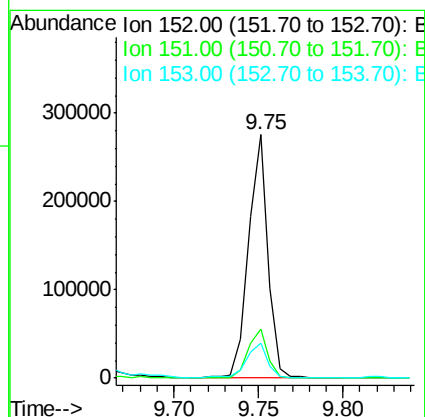
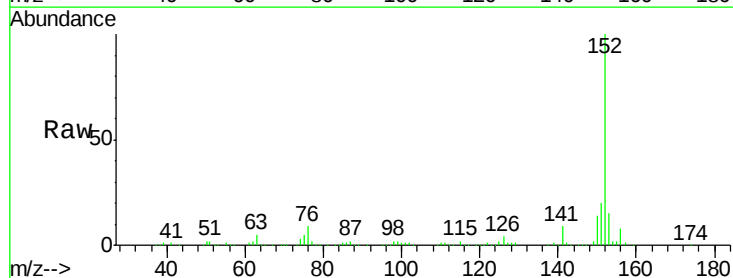
RT: 9.75 min Scan# 1303

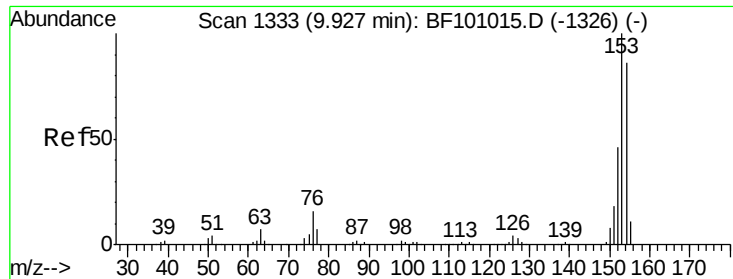
Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 221958 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.0  | 16.3  | 24.5   |
| 153       | 14.5  | 10.7  | 16.1   |





#51

Acenaphthene

Concen: 181.06 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

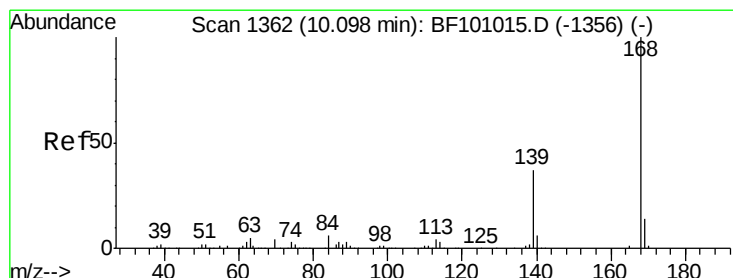
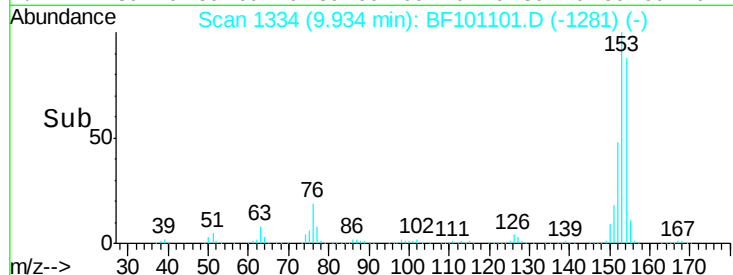
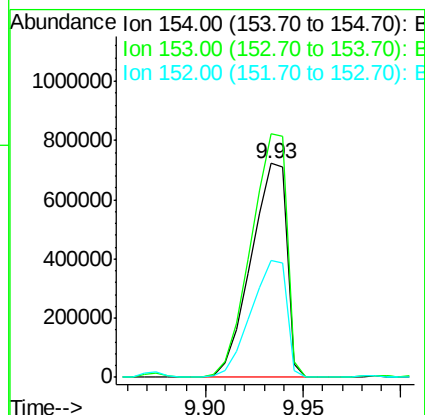
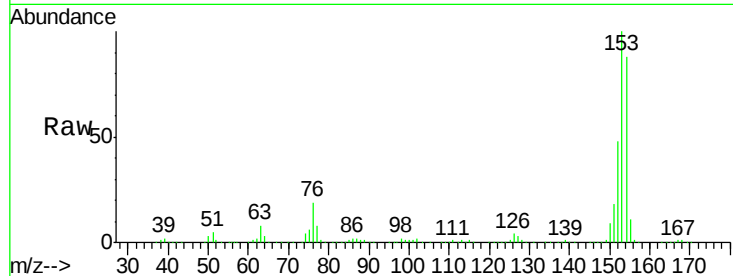
ClientSampleId :

CS-TP102-B(2+)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.0 | 91.2  | 136.8 |
| 152     | 54.5  | 43.8  | 65.8  |

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#54

Dibenzofuran

Concen: 11.31 ng

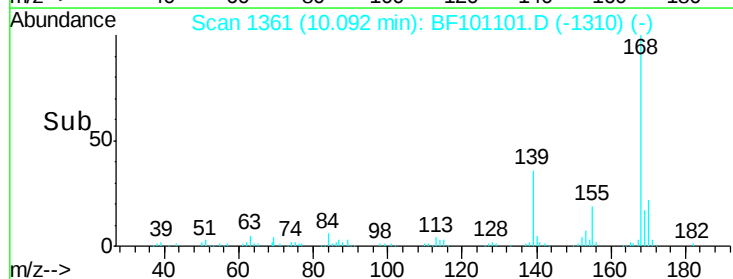
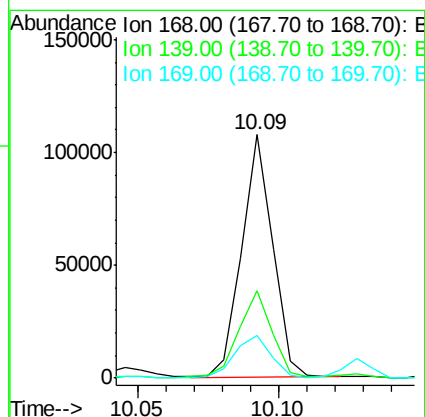
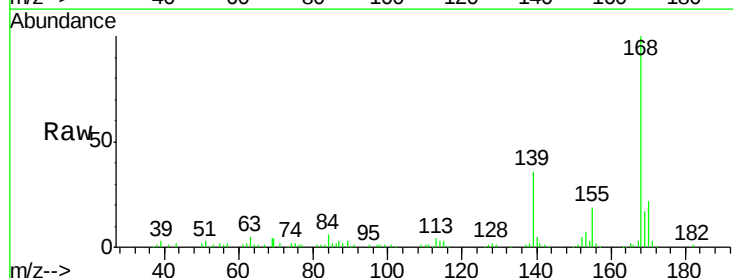
RT: 10.09 min Scan# 1361

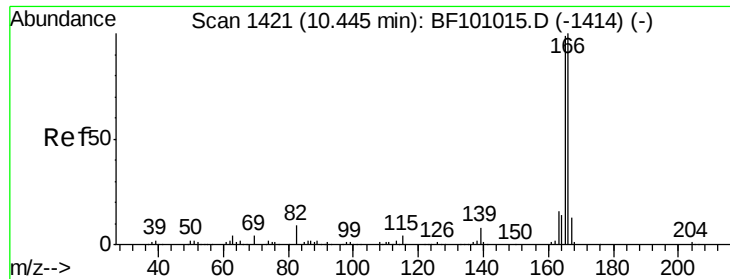
Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 35.8  | 30.1  | 45.1  |
| 169     | 17.4  | 10.9  | 16.3# |





#57

Fluorene

Concen: 82.48 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

ClientSampleId :

CS-TP102-B(2+)

Tot Ion:166 Resp: 489622

Ion Ratio Lower Upper

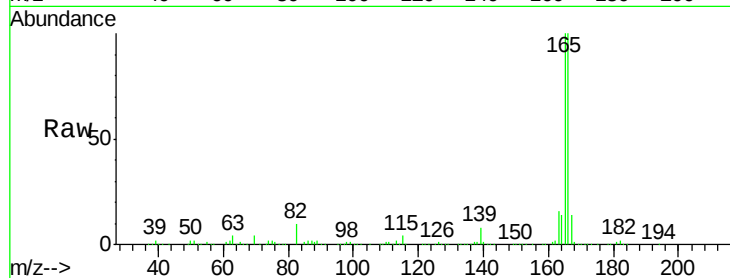
166 100

165 99.6 79.8 119.8

167 14.2 10.6 16.0

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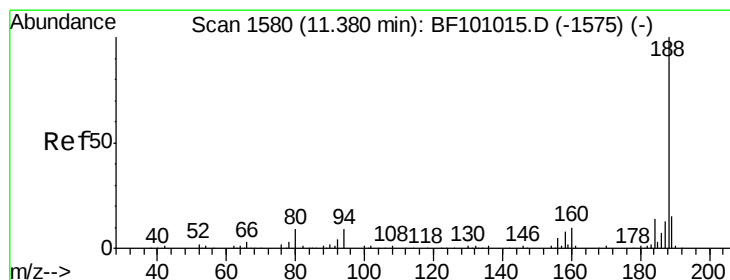
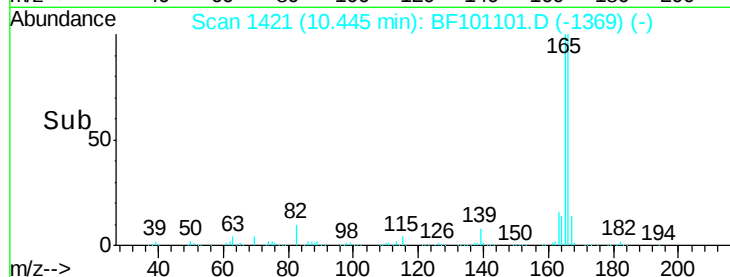
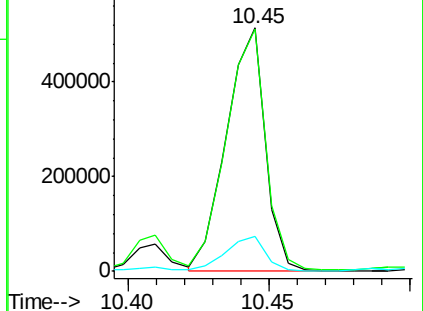
Sohil  
12/5/2017 3:24:31 PM



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

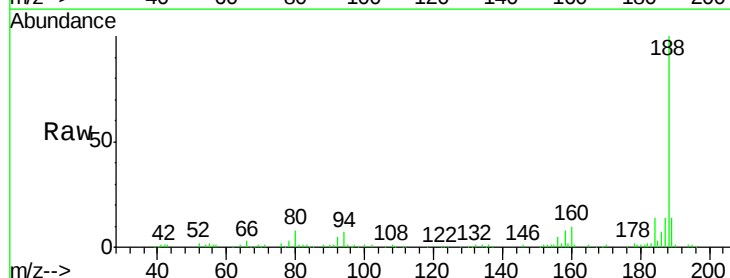
Tgt Ion:188 Resp: 121300

Ion Ratio Lower Upper

188 100

94 7.3 8.5 12.7#

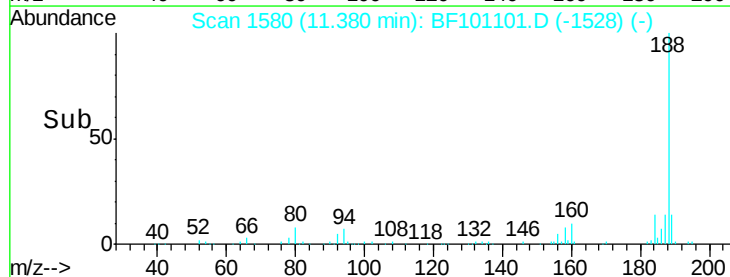
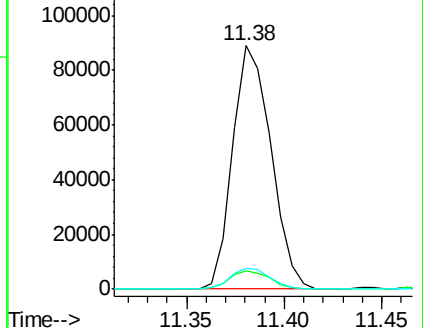
80 8.4 9.2 13.8#

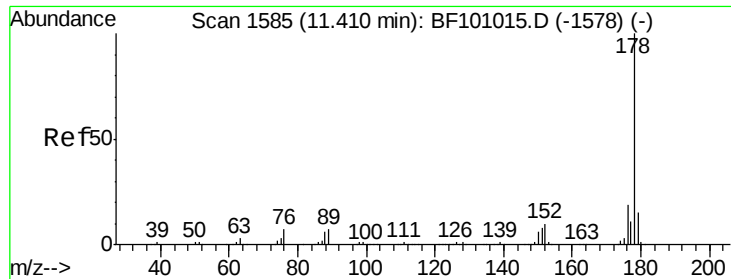


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





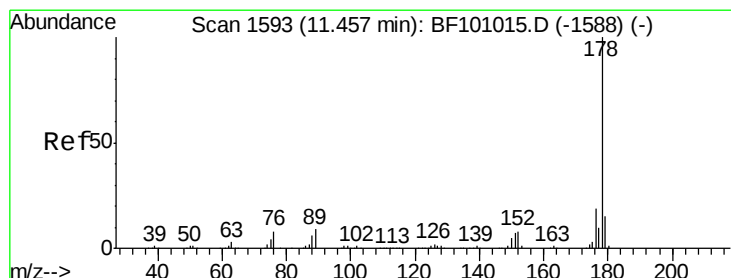
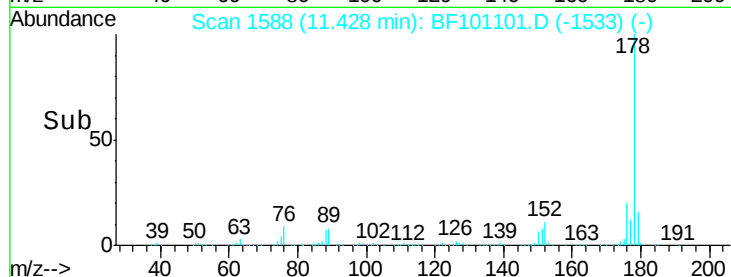
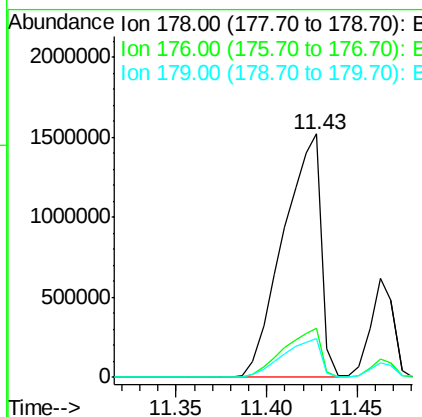
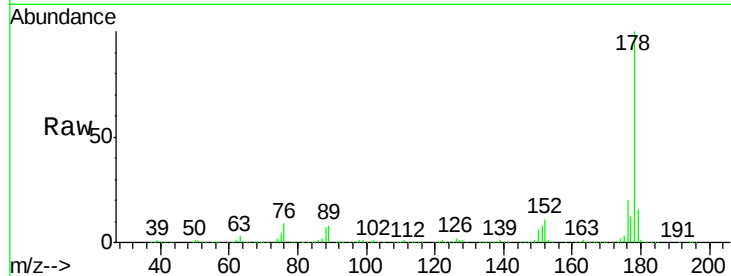
#70  
Phenanthrene  
Concen: 333.75 ng  
RT: 11.43 min Scan# 1588  
Delta R.T. 0.02 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 20.1 | 15.8  | 23.8  |       |
| 179     | 15.8 | 13.0  | 19.6  |       |

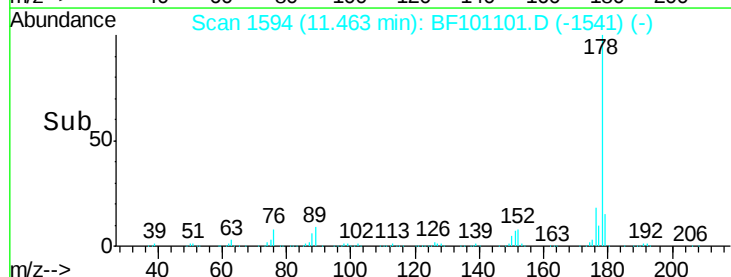
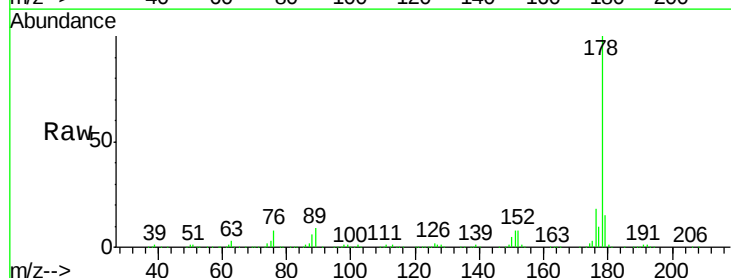
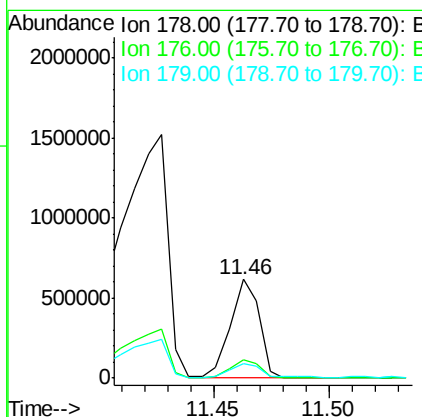
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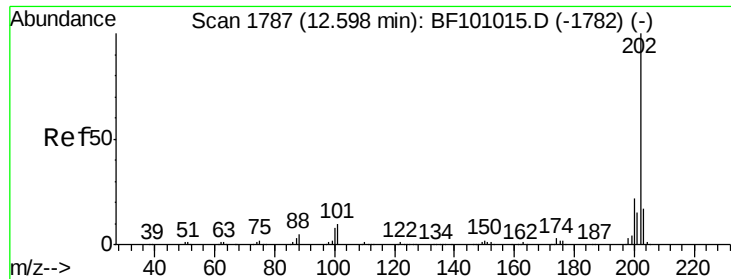
Sohil  
12/5/2017 3:24:31 PM



#71  
Anthracene  
Concen: 79.54 ng  
RT: 11.46 min Scan# 1594  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 178     | 100  |       |       |       |
| 176     | 18.4 | 15.4  | 23.2  |       |
| 179     | 14.9 | 12.6  | 19.0  |       |





#74

Fluoranthene

Concen: 150.00 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

ClientSampleId :

CS-TP102-B(2+)

Tot Ion:202 Resp: 1110723

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

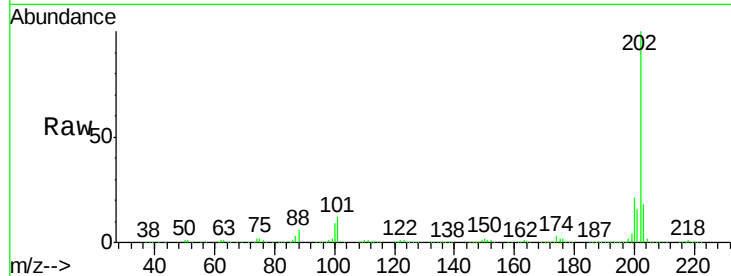
203 17.7 0.0 38.1

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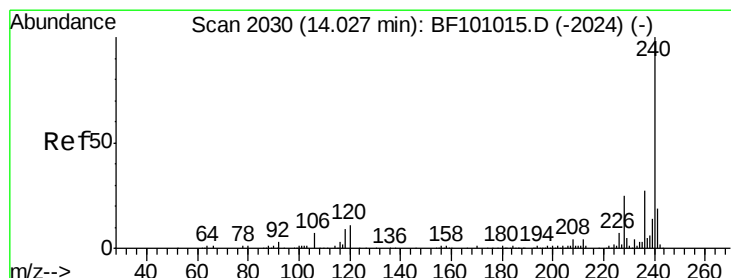
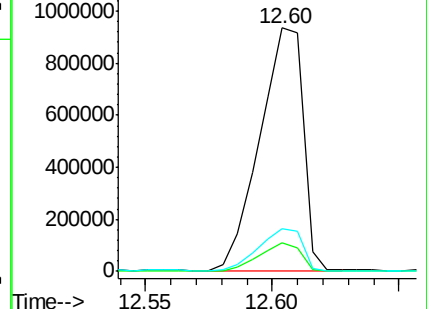
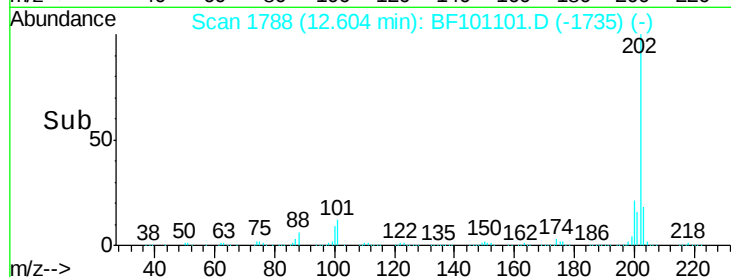
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

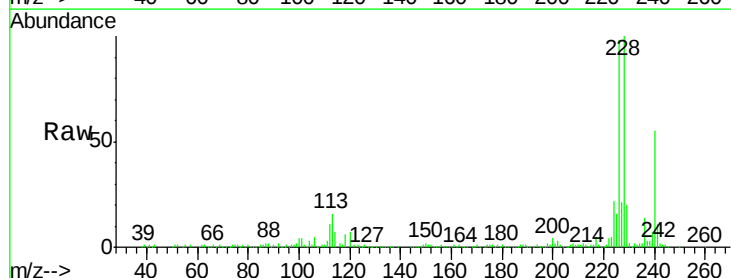
Tgt Ion:240 Resp: 102900

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

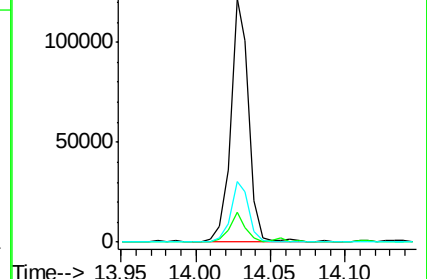
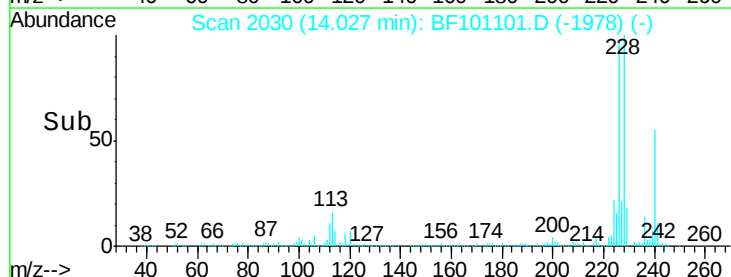
236 24.9 20.7 31.1

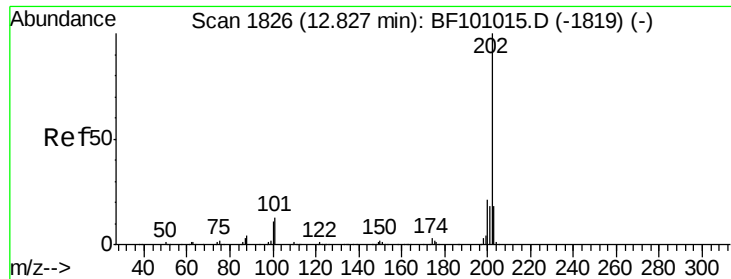


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 207.00 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA\_F

ClientSampleId :

CS-TP102-B(2+)

Tot Ion:202 Resp: 1469778

Ion Ratio Lower Upper

202 100

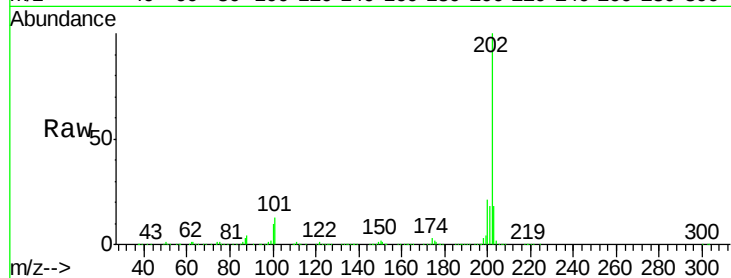
200 21.3 17.4 26.2

203 17.9 14.3 21.5

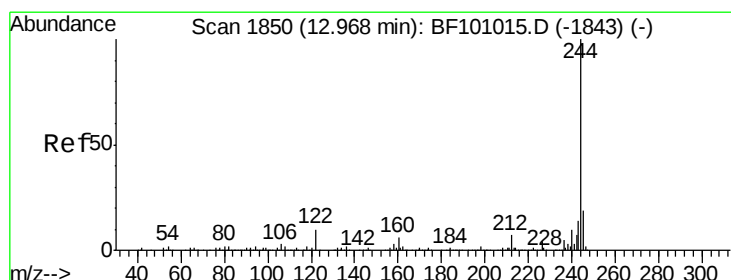
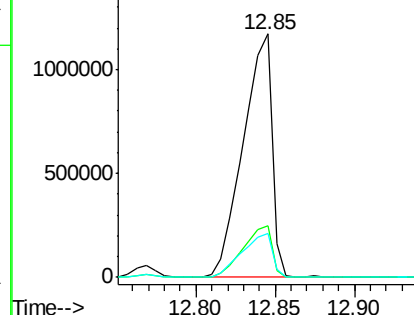
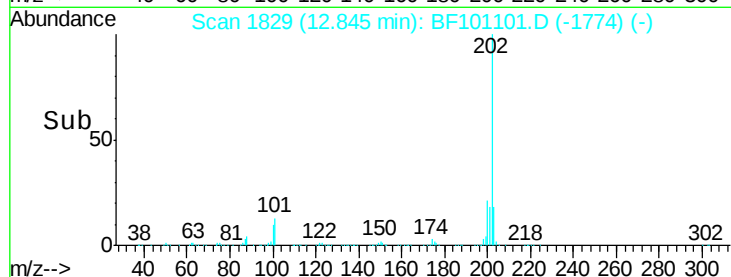
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 13.87 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

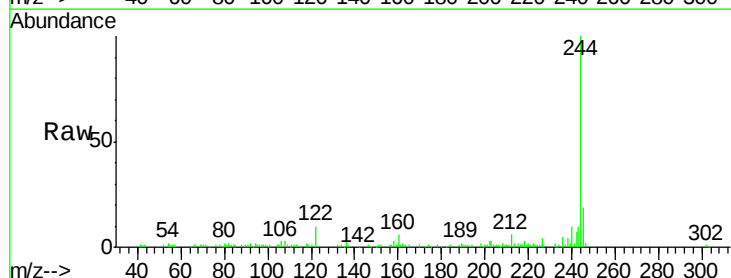
Tgt Ion:244 Resp: 65244

Ion Ratio Lower Upper

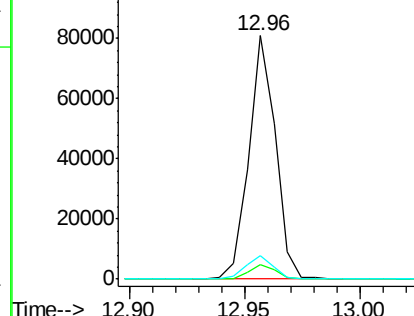
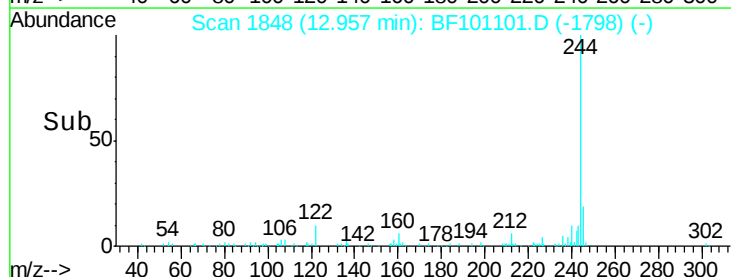
244 100

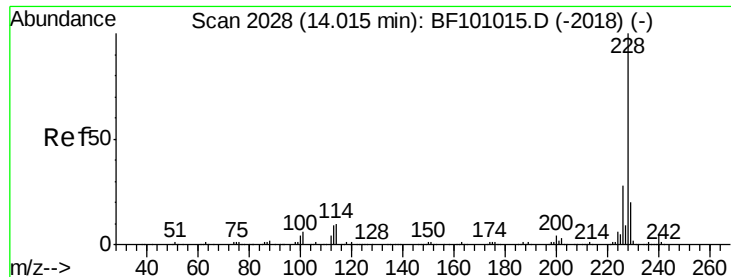
212 6.2 5.4 8.0

122 9.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





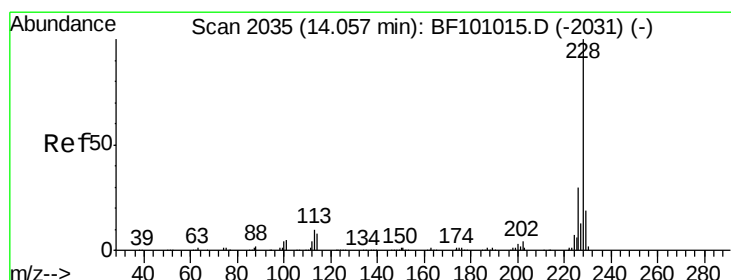
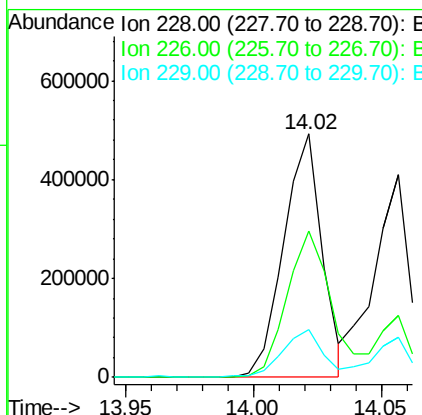
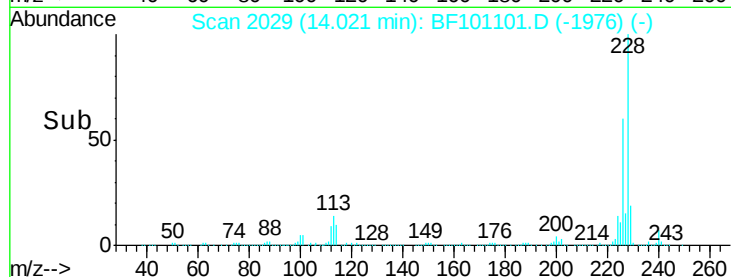
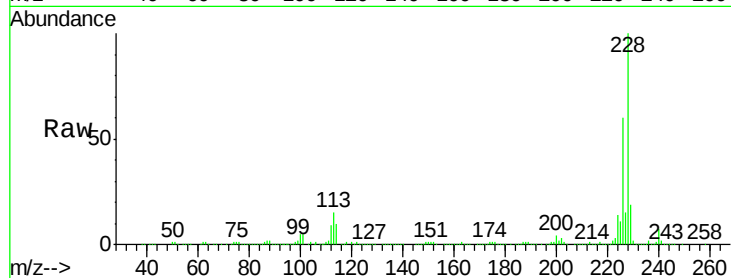
#80  
Benzo(a)anthracene  
Concen: 78.91 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 60.0  | 22.6  | 33.8  |
| 229     | 19.4  | 15.8  | 23.6  |

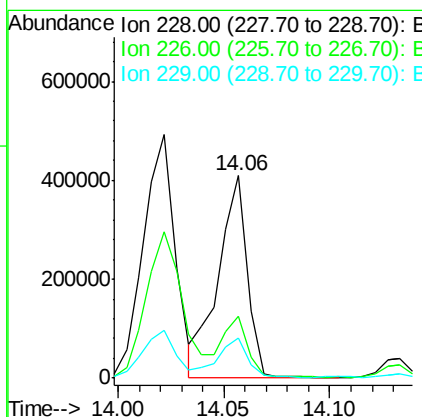
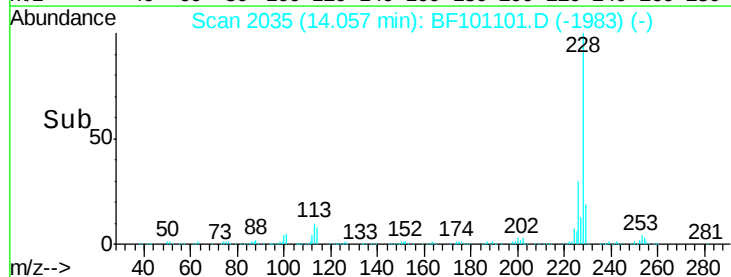
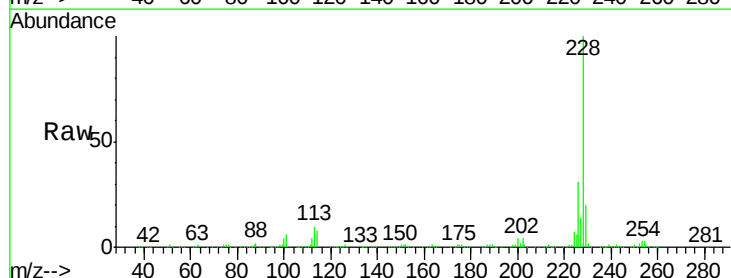
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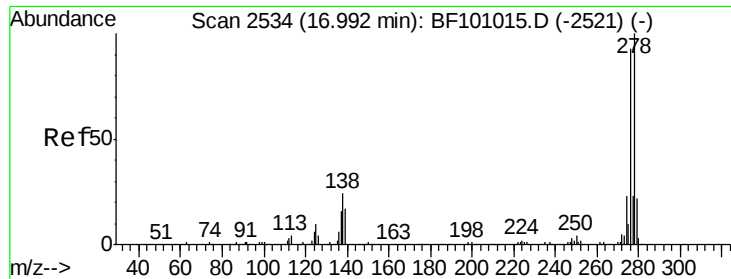
Sohil  
12/5/2017 3:24:31 PM



#82  
Chrysene  
Concen: 64.56 ng  
RT: 14.06 min Scan# 2035  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 25.0  | 37.6  |
| 229     | 19.8  | 16.2  | 24.4  |





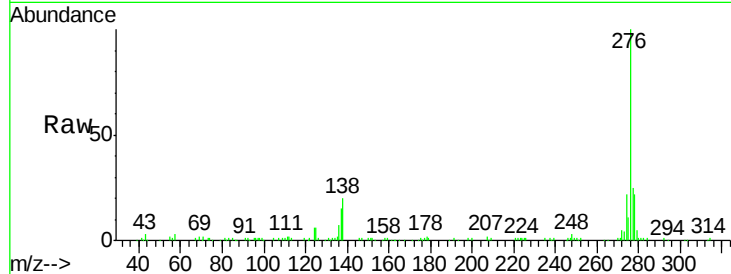
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 30.38 ng  
RT: 16.99 min Scan# 2534  
Delta R.T. 0.02 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

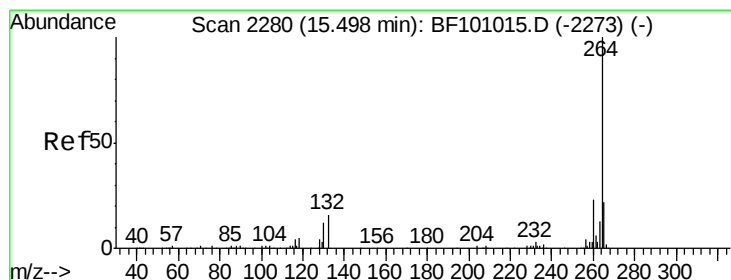
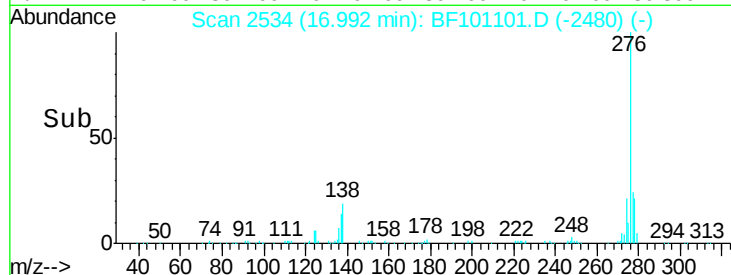
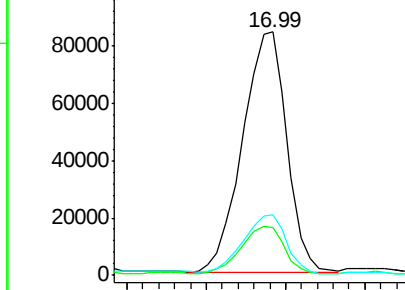
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.9  | 25.0  | 37.6# |
| 277     | 24.0  | 20.1  | 30.1  |

Manual Integrations  
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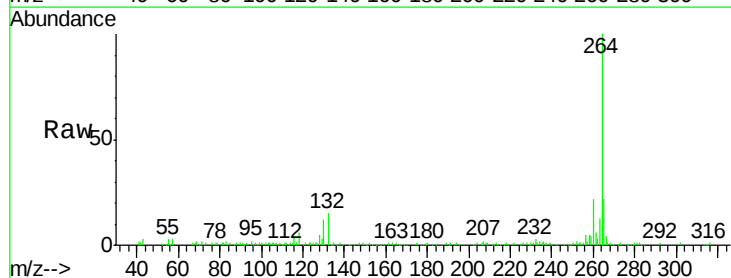


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

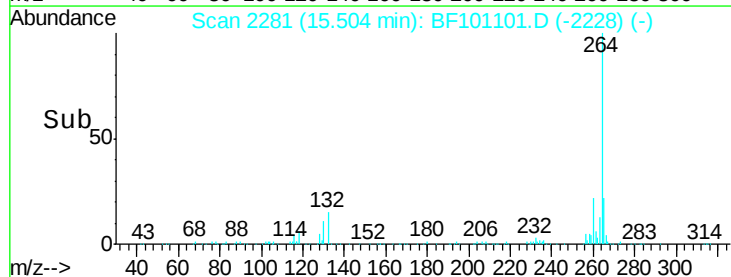
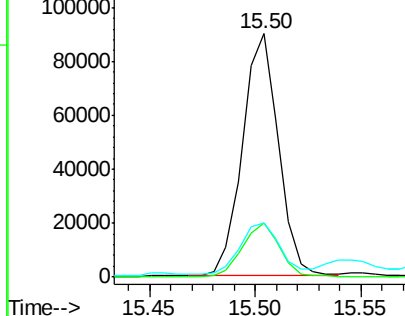


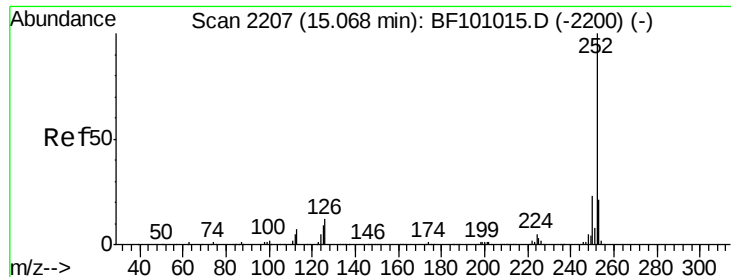
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 2281  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.3  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |



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





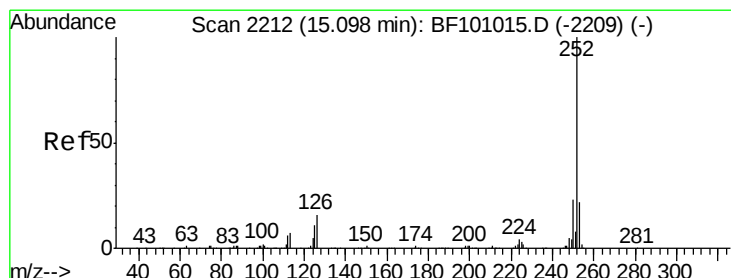
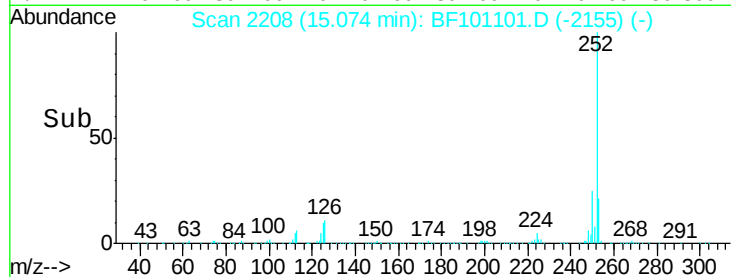
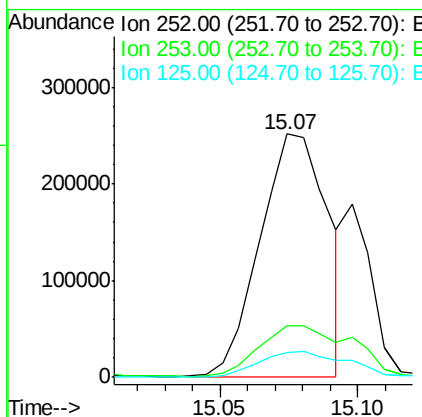
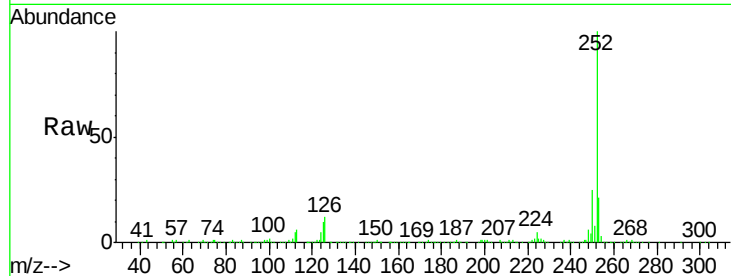
#87  
Benzo(b)fluoranthene  
Concen: 68.04 ng m  
RT: 15.07 min Scan# 2208  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.0  | 25.6  |
| 125     | 10.3  | 9.0   | 13.6  |

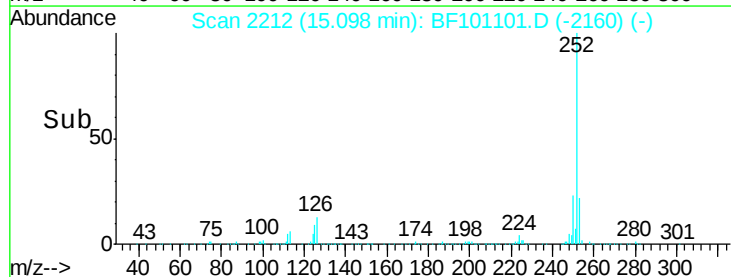
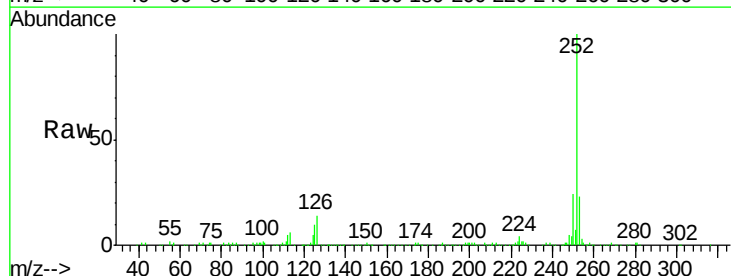
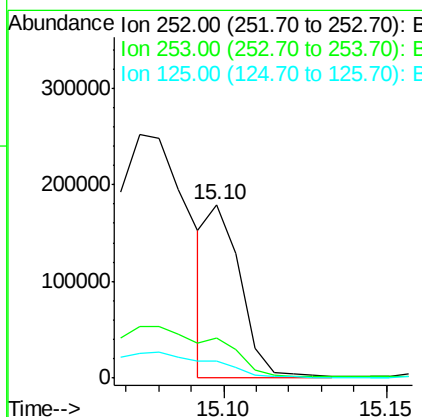
Manual Integrations  
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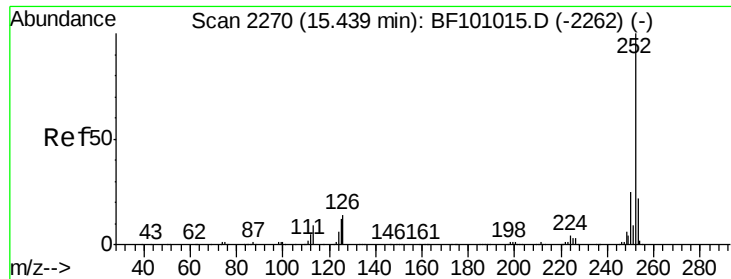
Sohil  
12/5/2017 3:24:31 PM



#88  
Benzo(k)fluoranthene  
Concen: 19.94 ng m  
RT: 15.10 min Scan# 2212  
Delta R.T. 0.01 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.9  | 26.9  |
| 125     | 9.8   | 10.2  | 15.2# |





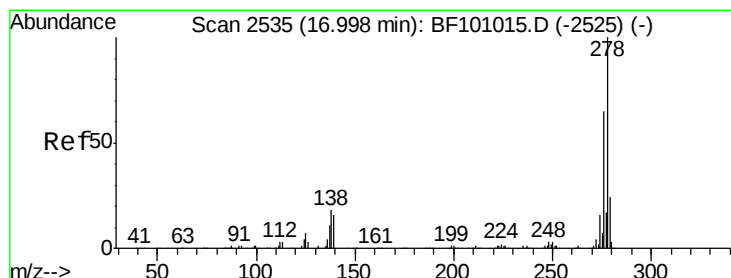
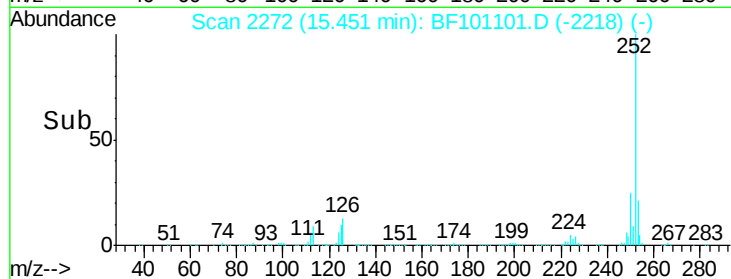
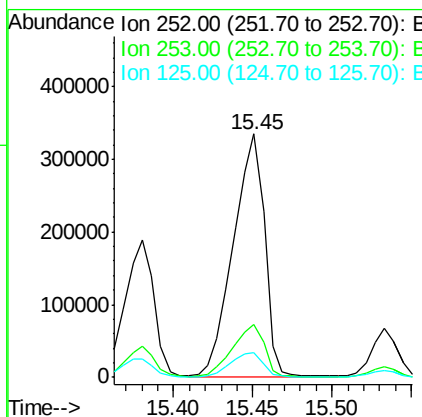
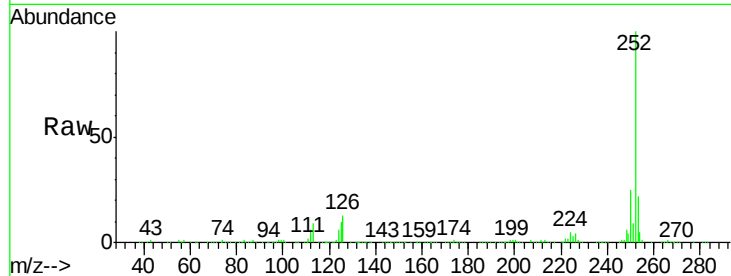
#89  
Benzo(a)pyrene  
Concen: 78.47 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. 0.02 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
CS-TP102-B(2+)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.1  | 25.7  |
| 125     | 10.1  | 9.8   | 14.6  |

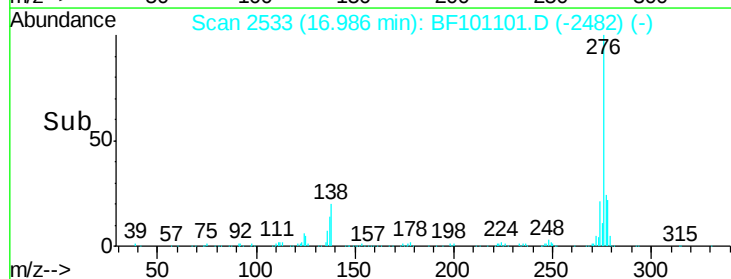
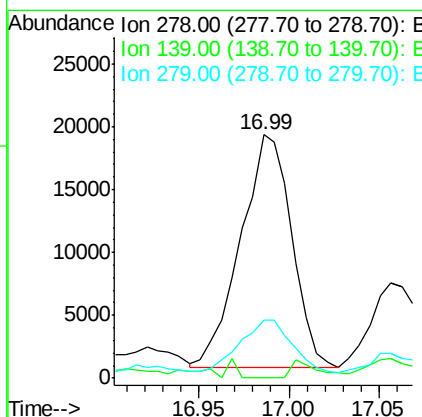
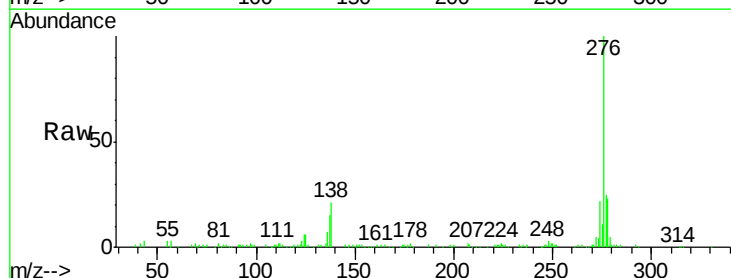
Manual Integrations  
APPROVED

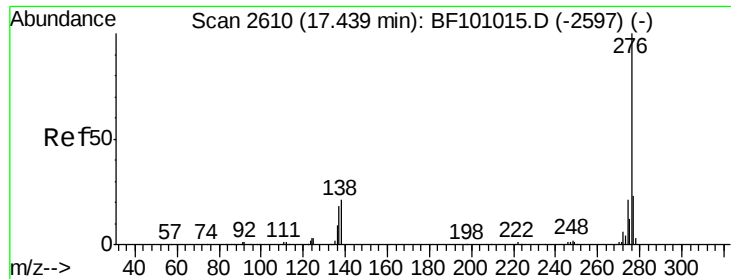
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12/5/2017 3:24:31 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 7.14 ng m  
RT: 16.99 min Scan# 2533  
Delta R.T. 0.00 min  
Lab File: BF101101.D  
Acq: 4 Dec 2017 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 15.9  | 23.9# |
| 279     | 23.7  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 36.98 ng/ml  
 RT: 17.44 min Scan# 2611  
 Delta R.T. 0.02 min  
 Lab File: BF101101.D  
 Acq: 4 Dec 2017 16:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-TP102-B(2+)

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 178155 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 22.5 | 17.9  | 26.9   |
| 138       | 19.5 | 21.8  | 32.8   |

Manual Integrations  
 APPROVED

Sohil  
 12/5/2017 3:24:31 PM

