

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012918\  
 Data File : BF102589.D  
 Acq On : 29 Jan 2018 11:26  
 Operator : SJ/JU  
 Sample : J1257-17  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-20(5-15)

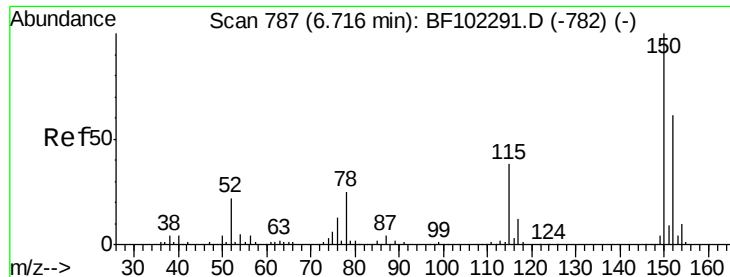
Manual Integrations  
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 1/30/2018 3:36:21 PM

Quant Time: Jan 30 00:35:41 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 27 20:48:40 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 156754   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 623872   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 268115   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 355936   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.89 | 240  | 222078   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12               | 15.34 | 264  | 261393   | 20.00  | ng    | 0.04     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 1167071  | 112.89 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.36  | 99   | 1344066  | 107.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 823266   | 75.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 218044   | 82.08  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 1260368  | 69.12  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.83 | 244  | 699769   | 71.03  | ng    | 0.01     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 10) Phenol                     | 6.37  | 94   | 58342    | 4.288  | ng    | 86       |
| 22) Acetophenone               | 7.10  | 105  | 37690    | 2.534  | ng    | # 59     |
| 31) Naphthalene                | 8.02  | 128  | 77269    | 2.481  | ng    | # 93     |
| 37) 2-Methylnaphthalene        | 8.71  | 142  | 117629   | 5.670  | ng    | 97       |
| 49) Dimethylphthalate          | 9.47  | 163  | 200949   | 9.068  | ng    | 100      |
| 57) Fluorene                   | 10.30 | 166  | 37129    | 2.042  | ng    | # 93     |
| 70) Phenanthrene               | 11.26 | 178  | 322646   | 15.556 | ng    | 99       |
| 71) Anthracene                 | 11.32 | 178  | 74096m   | 3.500  | ng    |          |
| 74) Fluoranthene               | 12.46 | 202  | 334943   | 15.836 | ng    | 98       |
| 77) Pyrene                     | 12.69 | 202  | 309089   | 18.001 | ng    | 99       |
| 80) Benzo(a)anthracene         | 13.89 | 228  | 141014   | 10.314 | ng    | # 94     |
| 82) Chrysene                   | 13.92 | 228  | 138278m  | 9.959  | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 122626   | 10.679 | ng    | 95       |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 57175    | 3.062  | ng    | # 74     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.75 | 276  | 96242    | 8.393  | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 14.92 | 252  | 178145m  | 10.515 | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.94 | 252  | 68290m   | 4.266  | ng    |          |
| 89) Benzo(a)pyrene             | 15.28 | 252  | 140629   | 9.203  | ng    | # 64     |
| 91) Benzo(g,h,i)perylene       | 17.17 | 276  | 88728    | 7.260  | ng    | # 82     |

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



#1

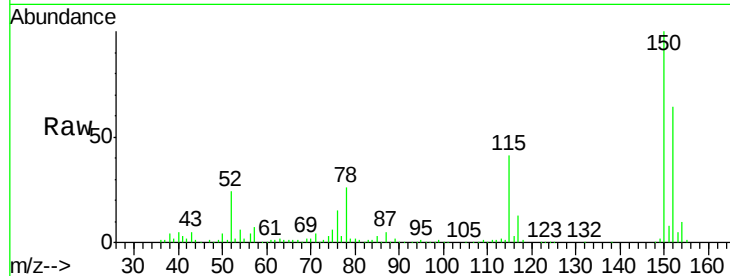
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

Instrument :  
BNA\_F  
ClientSampleId :  
WC-20(5-15)

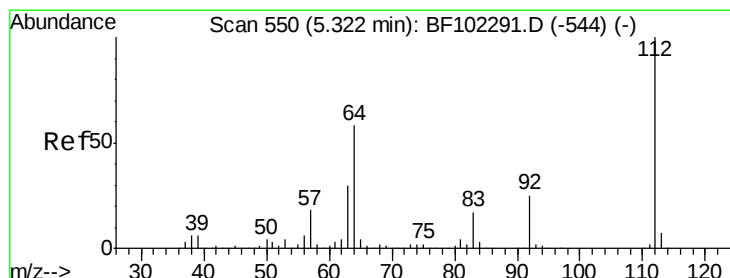
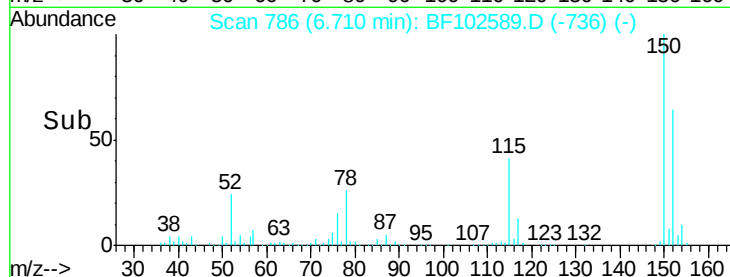
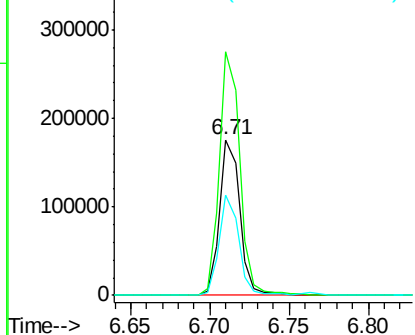
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 156754 |       |       |
| 150     | 156.5 | 124.6  | 186.8 |       |
| 115     | 64.6  | 50.1   | 75.1  |       |

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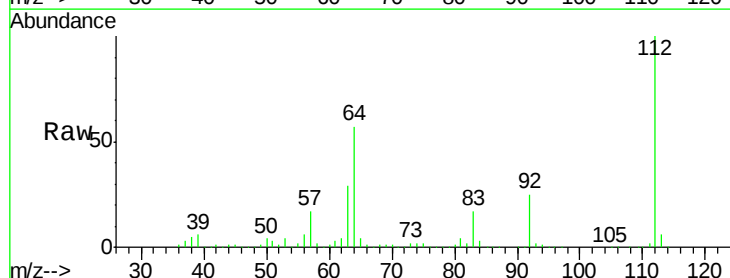
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



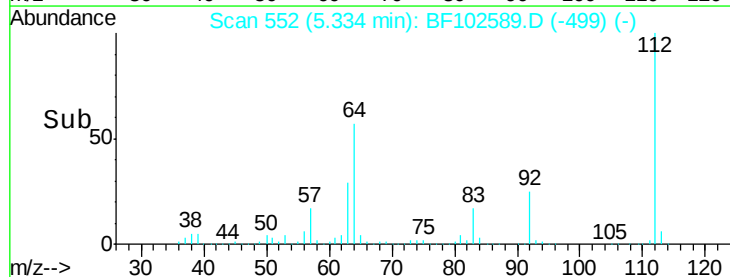
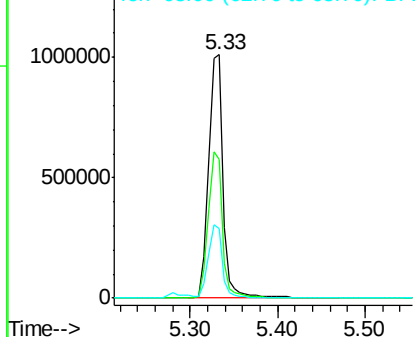
#5

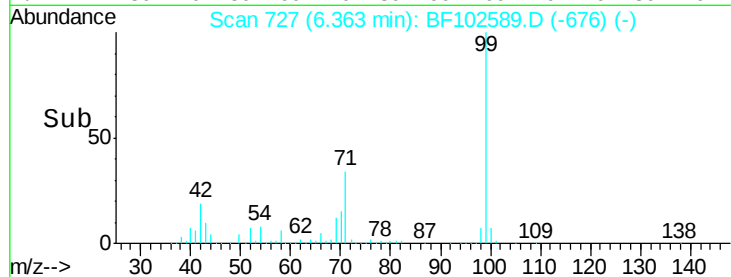
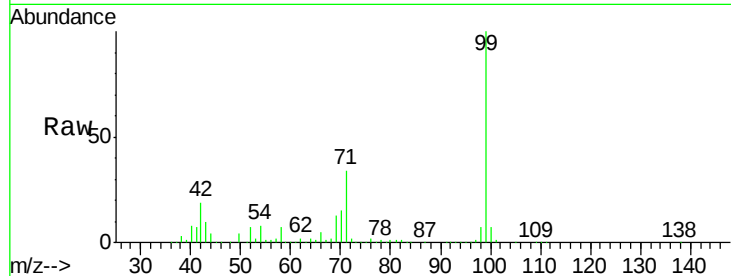
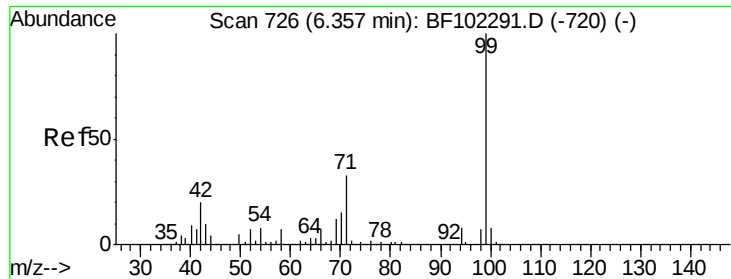
2-Fluorophenol  
Concen: 112.889 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 112     | 100   | 1167071 |       |       |
| 64      | 56.9  | 47.9    | 71.9  |       |
| 63      | 28.6  | 23.7    | 35.5  |       |



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: 107.839 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 99    | Resp: | 1344066 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 19.3  | 14.5  | 21.7    |
| 71       | 33.9  | 25.4  | 38.0    |

Instrument :

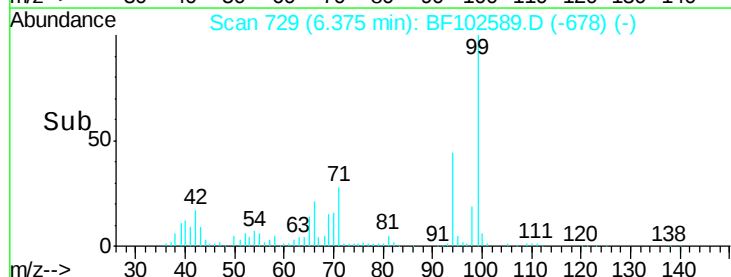
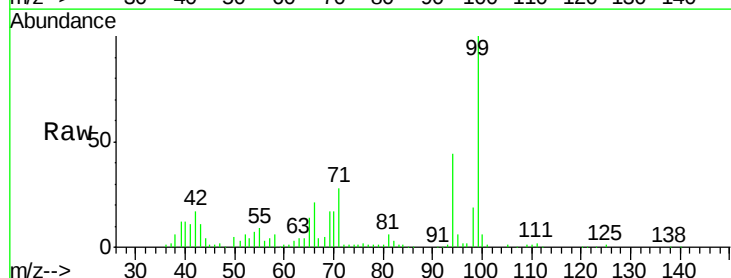
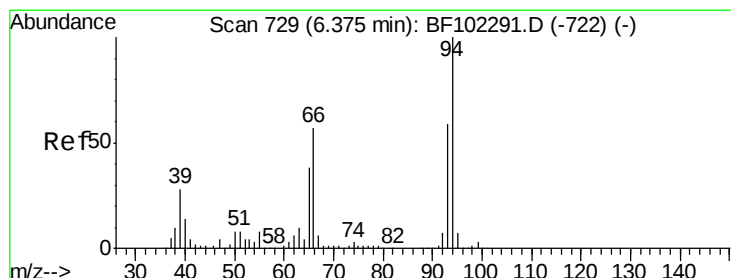
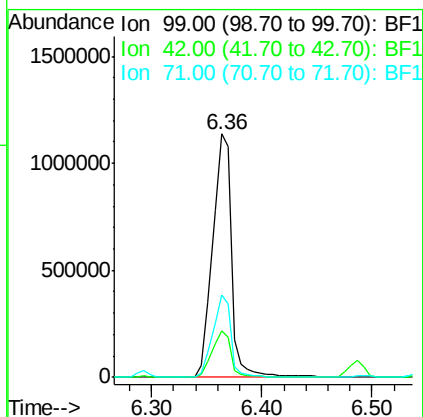
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ClientSampleId :

WC-20(5-15)

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#10

Phenol

Concen: 4.288 ng

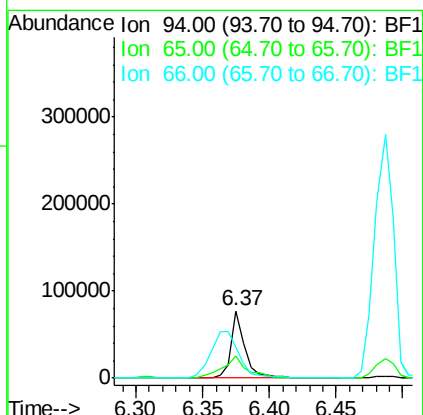
RT: 6.37 min Scan# 729

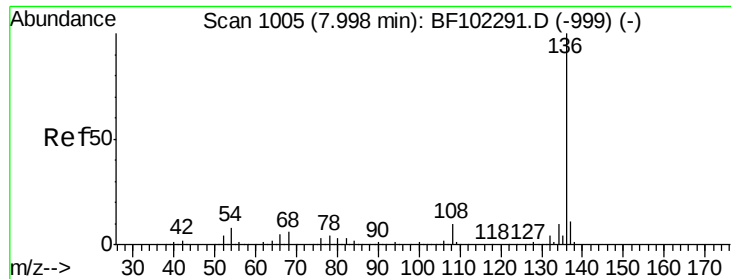
Delta R.T. 0.00 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 58342 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 32.1  | 7.9   | 47.9  |
| 66       | 47.1  | 16.2  | 56.2  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

Instrument :

BNA\_F

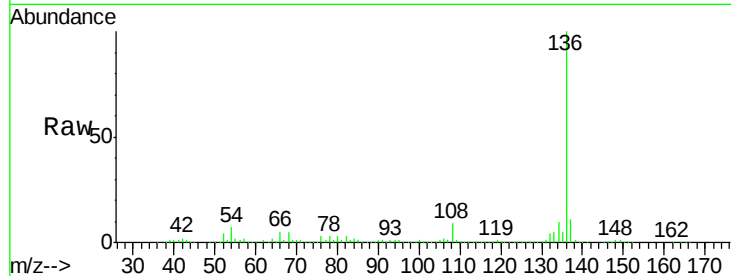
ClientSampled :

WC-20(5-15)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 623872 |       |       |
| 137     | 10.7  | 8.9    | 13.3  |       |
| 54      | 7.4   | 6.6    | 9.8   |       |
| 68      | 5.1   | 5.0    | 7.4   |       |

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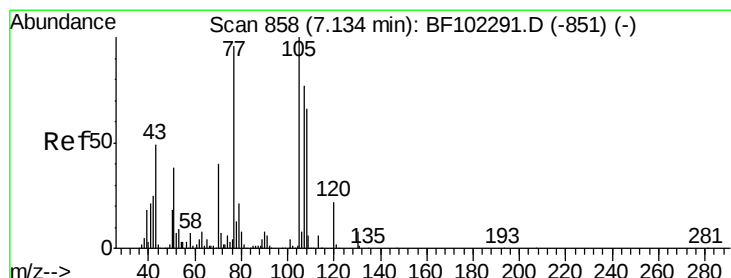
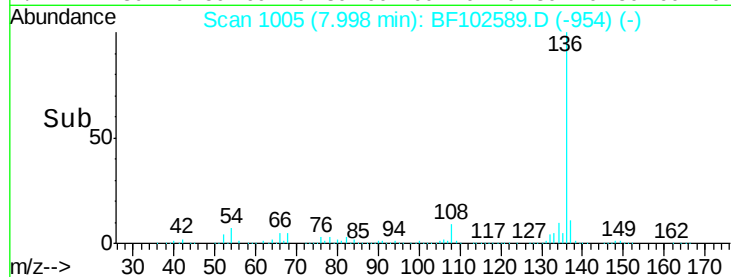
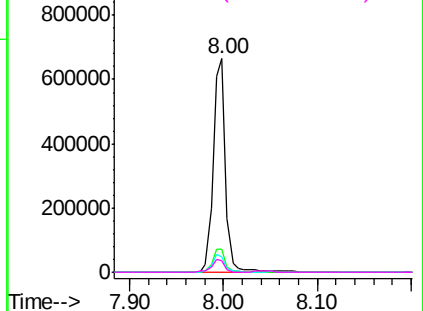


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 2.534 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

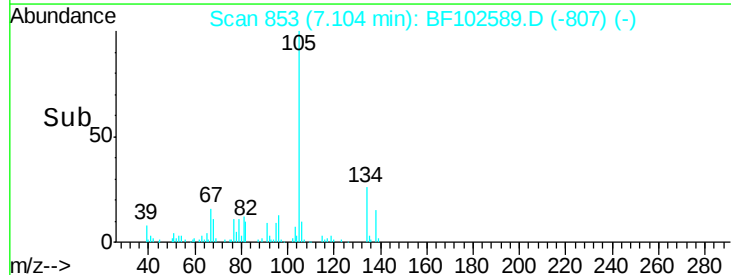
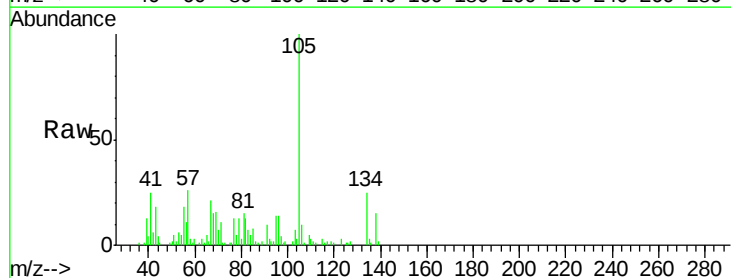
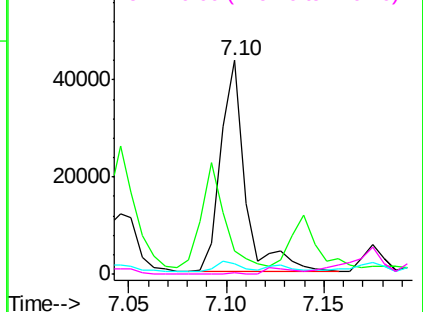
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 37690 |       |       |
| 71      | 10.7  | 4.4   | 6.6#  |       |
| 51      | 5.1   | 22.3  | 33.5# |       |
| 120     | 0.8   | 16.9  | 25.3# |       |

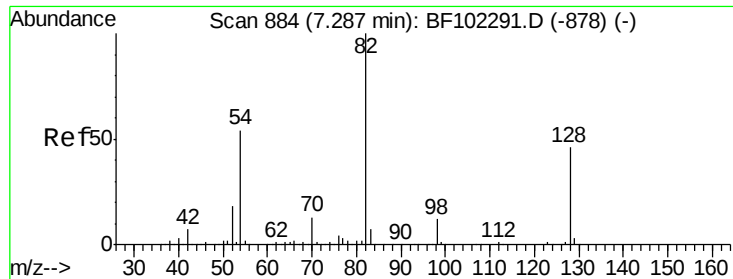
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





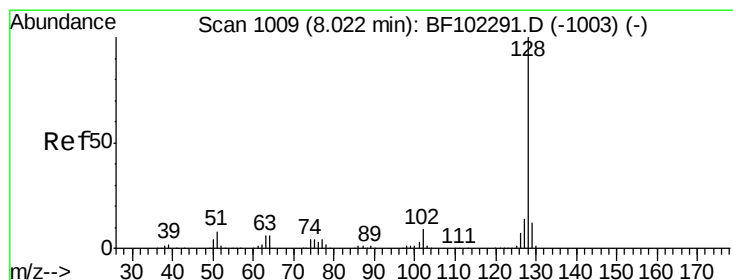
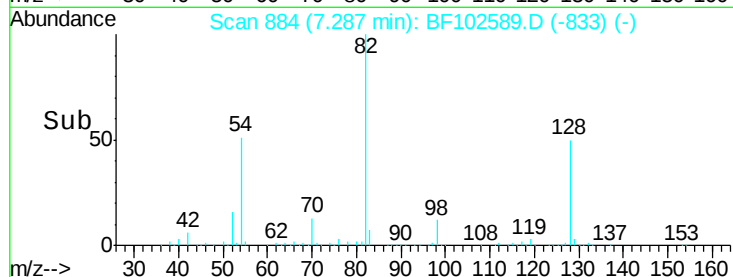
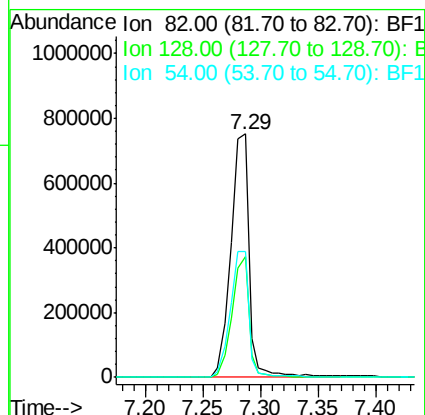
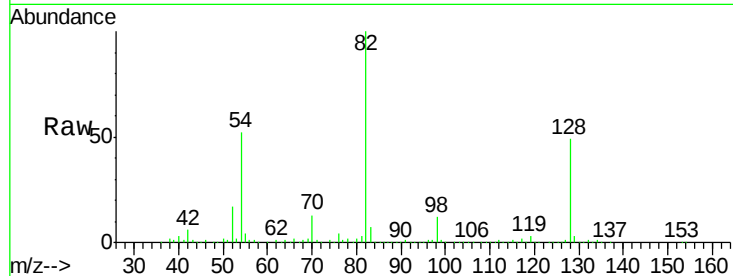
#23  
Nitrobenzene-d5  
Concen: 75.834 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

Instrument :  
BNA\_F  
ClientSampleId :  
WC-20(5-15)

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 49.5  | 36.1 | 54.1  |       |
| 54      | 51.5  | 41.4 | 62.2  |       |

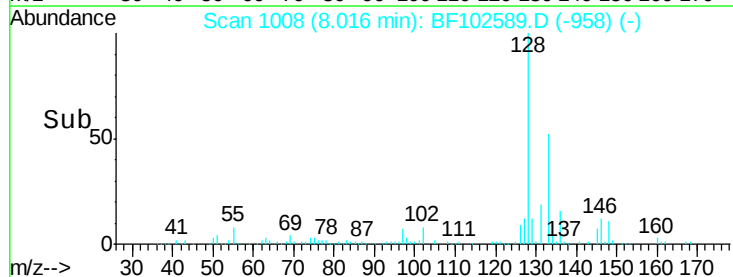
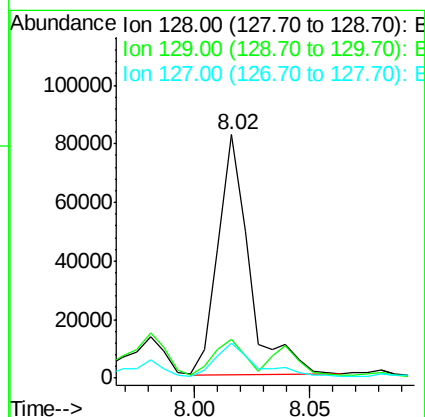
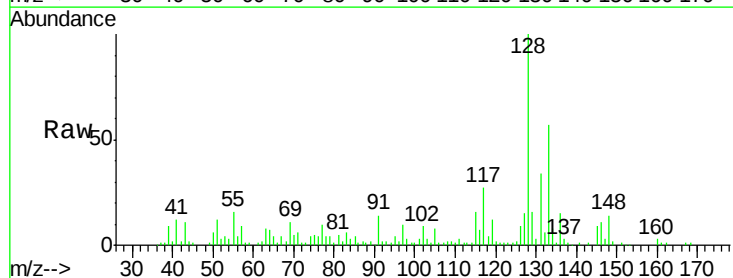
Manual Integrations  
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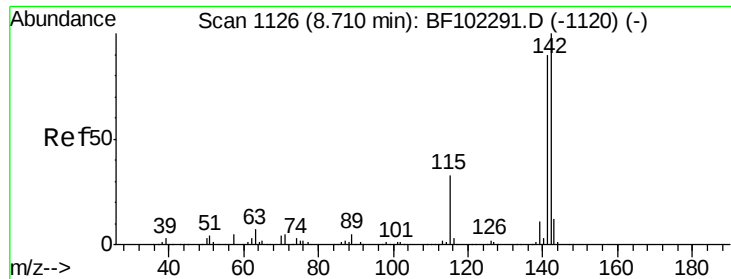
Sohil  
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#31  
Naphthalene  
Concen: 2.481 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 15.7  | 8.8  | 13.2# |       |
| 127     | 14.6  | 10.9 | 16.3  |       |





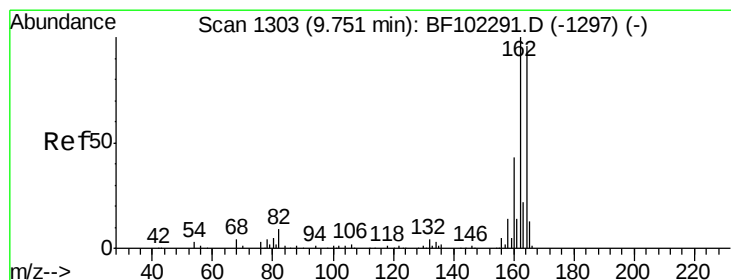
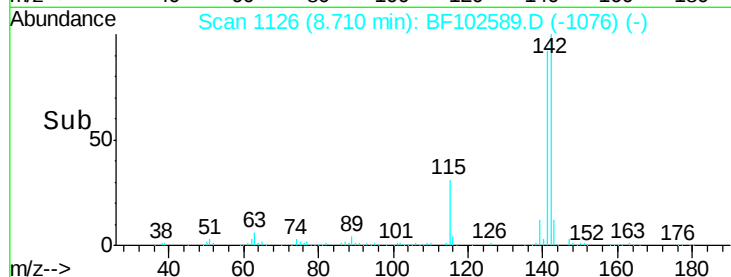
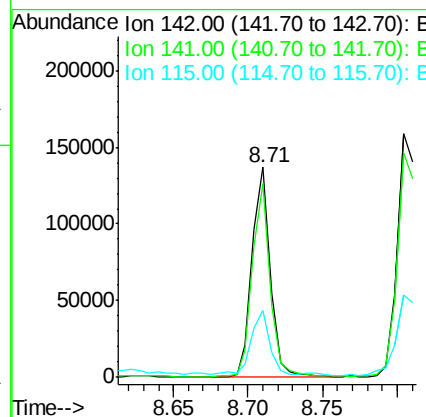
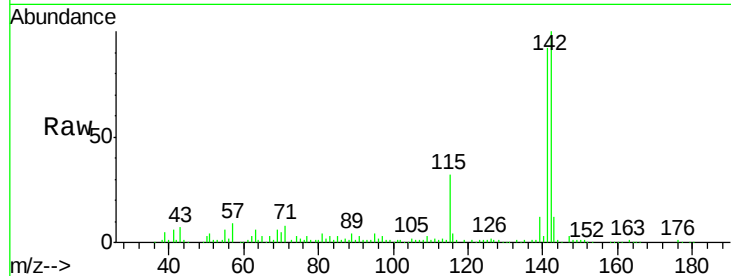
#37  
2-Methylnaphthalene  
Concen: 5.670 ng  
RT: 8.71 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

Instrument :  
BNA\_F  
ClientSampleId :  
WC-20(5-15)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 117629 |       |       |
| 141     | 92.1  | 70.8   | 106.2 |       |
| 115     | 32.1  | 26.1   | 39.1  |       |

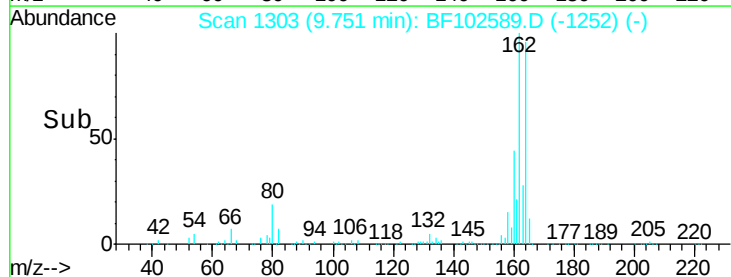
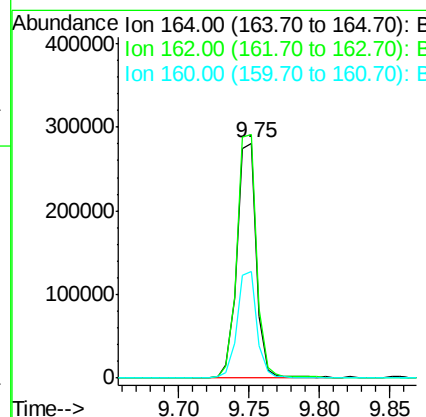
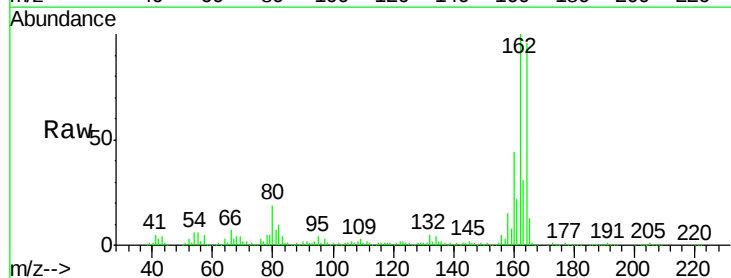
Manual Integrations  
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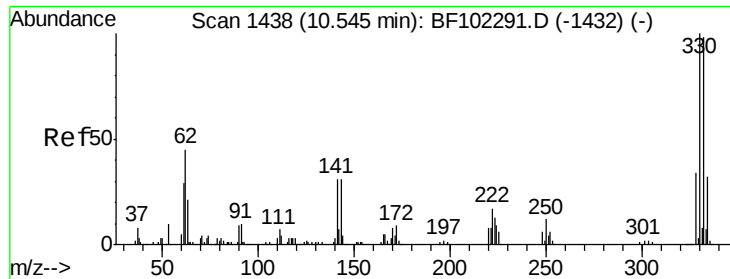
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. 0.00 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 268115 |       |       |
| 162     | 103.7 | 86.1   | 129.1 |       |
| 160     | 45.6  | 38.3   | 57.5  |       |





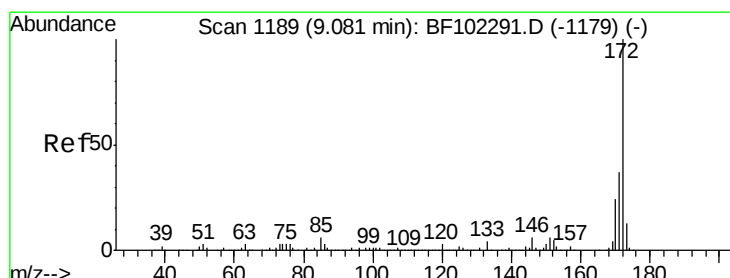
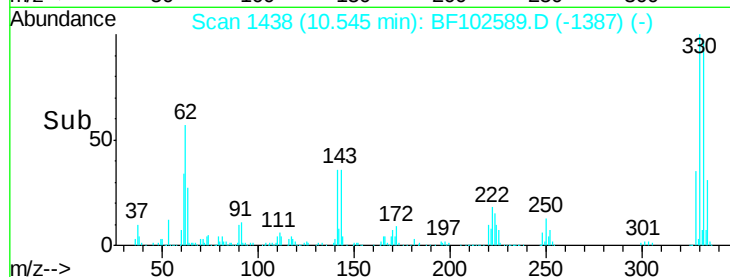
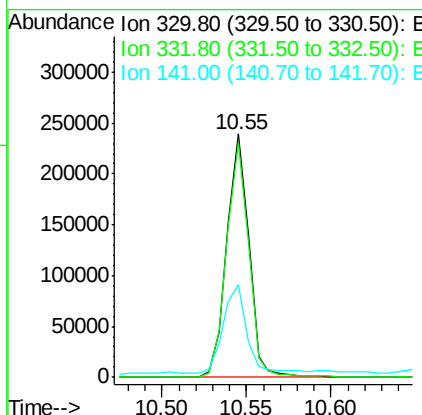
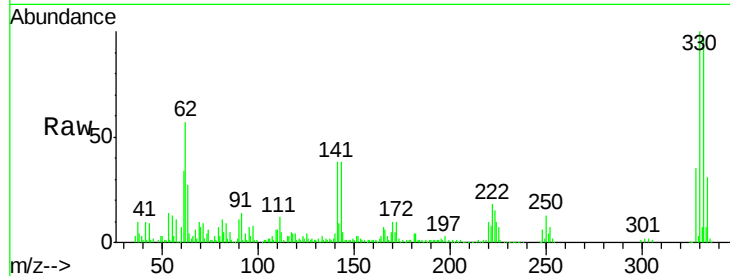
#41  
 2,4,6-Tribromophenol  
 Concen: 82.075 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. 0.00 min  
 Lab File: BF102589.D  
 Acq: 29 Jan 2018 11:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-20(5-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.0  | 115.6 |
| 141     | 40.0  | 29.9  | 44.9  |

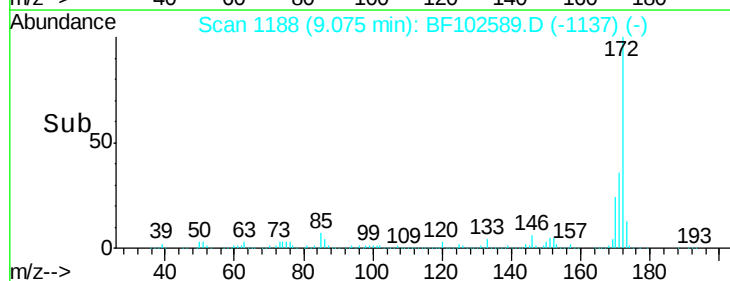
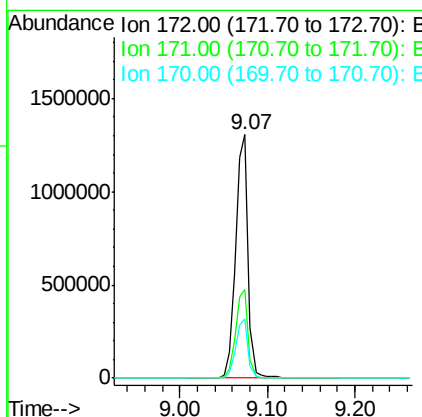
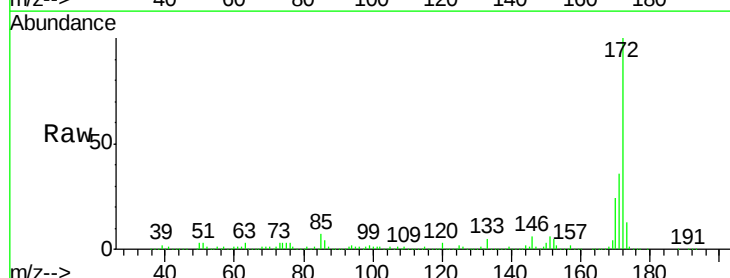
Manual Integrations  
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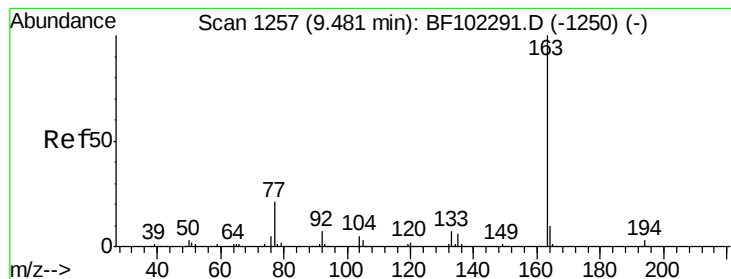
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#44  
 2-Fluorobiphenyl  
 Concen: 69.119 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BF102589.D  
 Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.1  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 9.068 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

Instrument :

BNA\_F

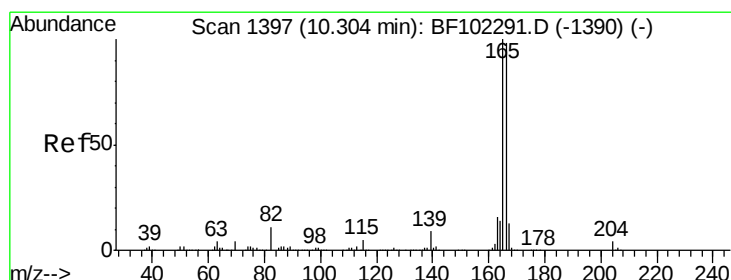
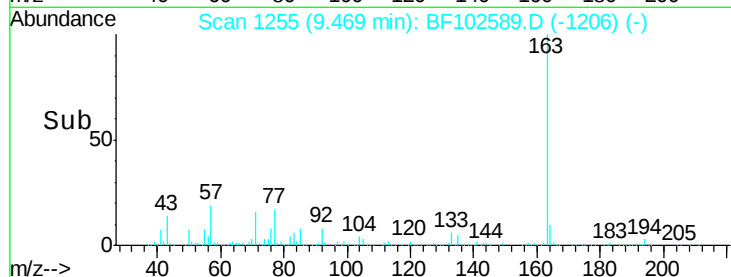
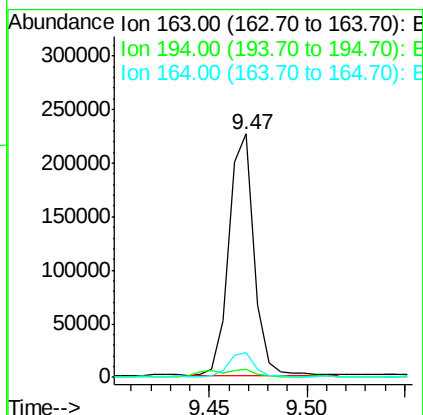
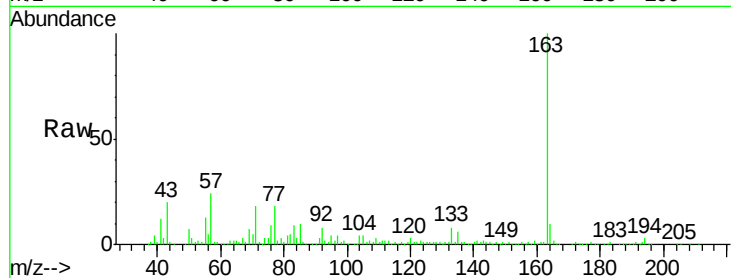
ClientSampleId :

WC-20(5-15)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 200949 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.5   | 2.7   | 4.1    |
| 164       | 10.0  | 8.2   | 12.2   |

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#57

Fluorene

Concen: 2.042 ng

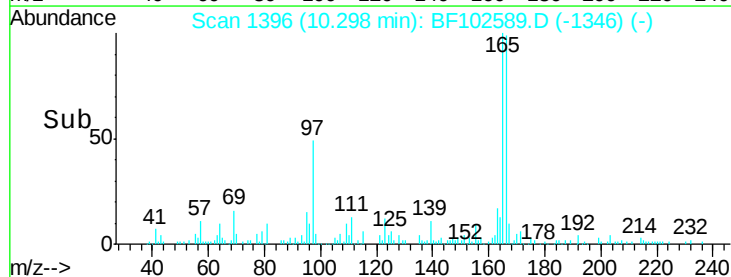
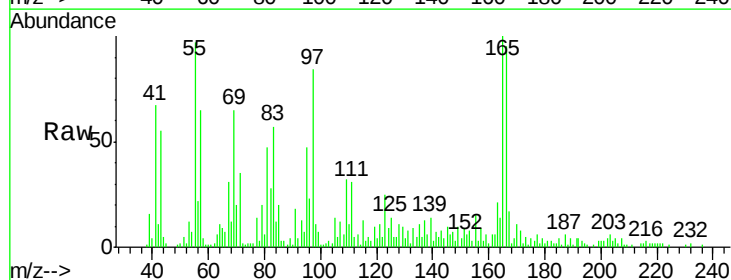
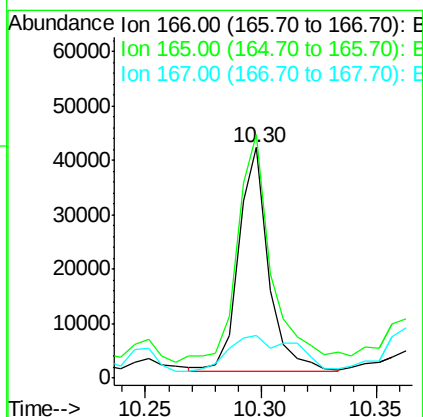
RT: 10.30 min Scan# 1396

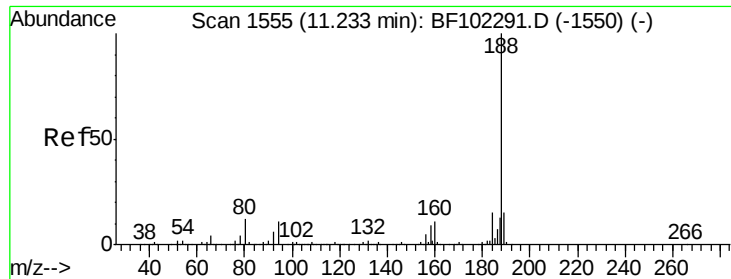
Delta R.T. -0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 37129 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 105.7 | 79.8  | 119.8 |
| 167       | 18.4  | 10.6  | 16.0# |





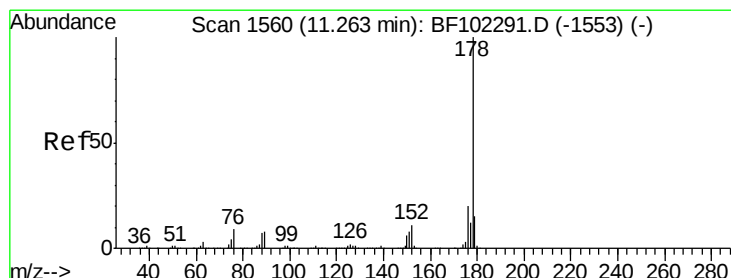
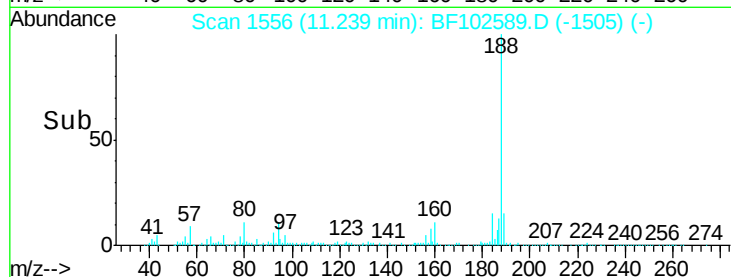
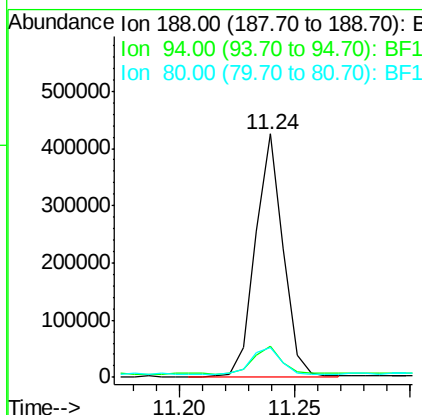
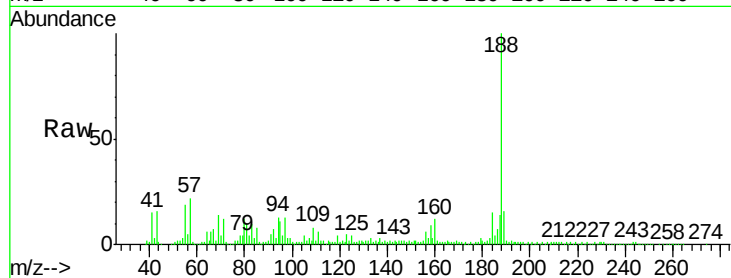
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. 0.00 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

Instrument :  
BNA\_F  
ClientSampled :  
WC-20(5-15)

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 12.6  | 8.5        | 12.7       |
| 80      | 12.2  | 9.2        | 13.8       |

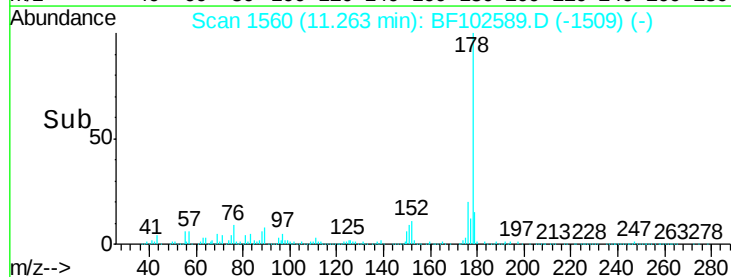
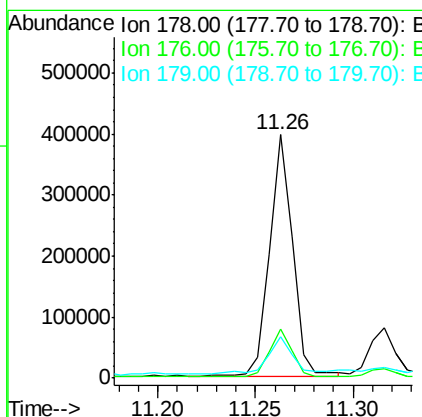
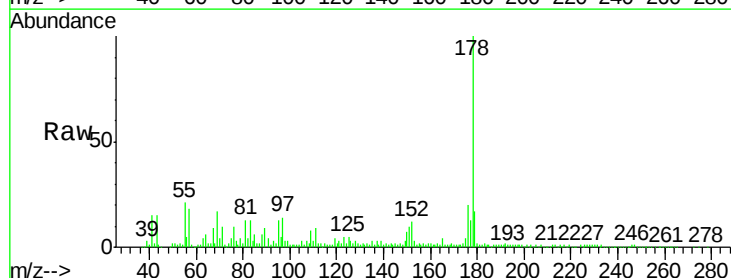
Manual Integrations  
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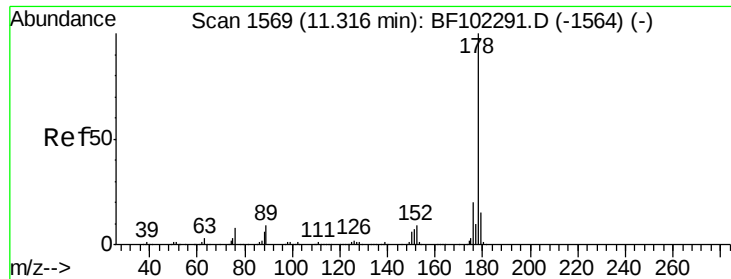
Sohil  
1/30/2018 3:36:21 PM



#70  
Phenanthrene  
Concen: 15.556 ng  
RT: 11.26 min Scan# 1560  
Delta R.T. 0.00 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 20.2  | 15.8       | 23.8       |
| 179     | 17.0  | 13.0       | 19.6       |





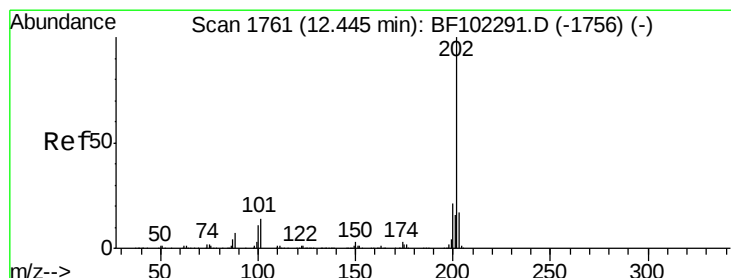
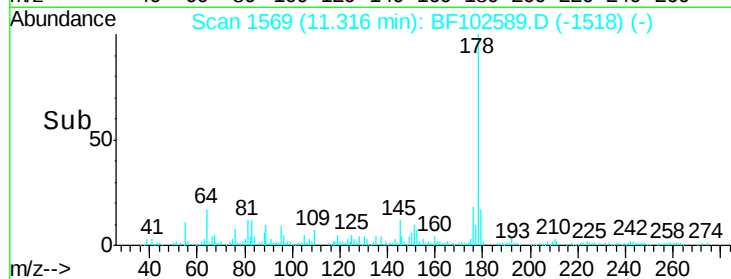
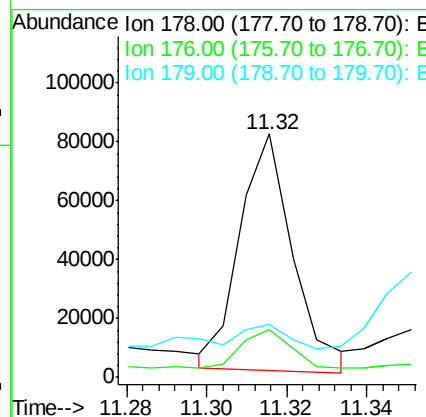
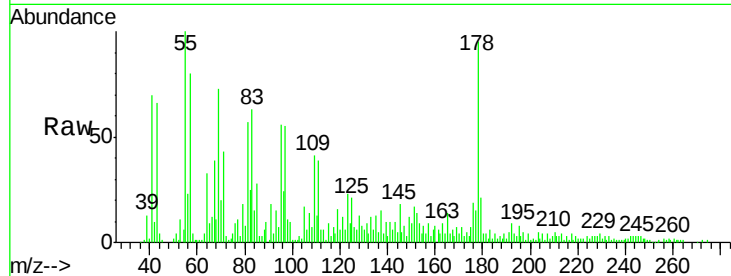
#71  
 Anthracene  
 Concen: 3.500 ng m  
 RT: 11.32 min Scan# 1569  
 Delta R.T. 0.00 min  
 Lab File: BF102589.D  
 Acq: 29 Jan 2018 11:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-20(5-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.4  | 23.2  |
| 179     | 21.9  | 12.6  | 19.0  |

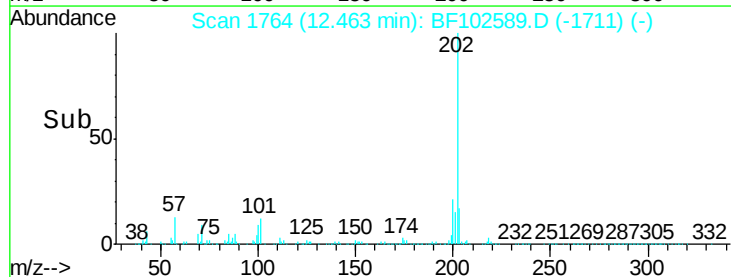
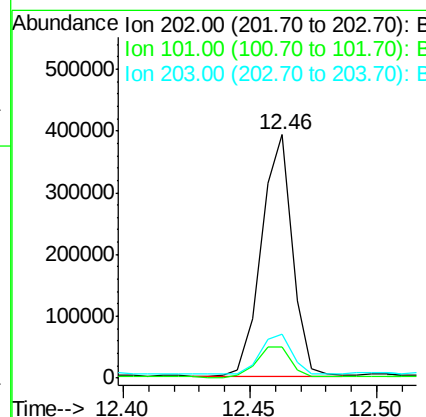
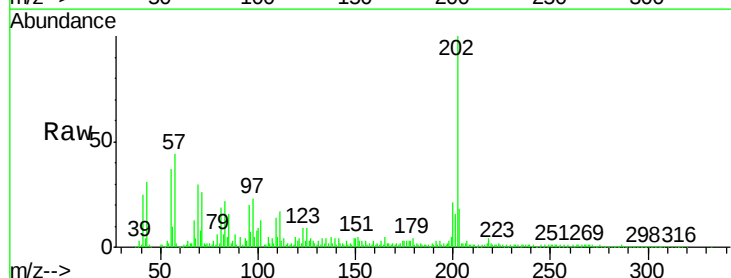
Manual Integrations  
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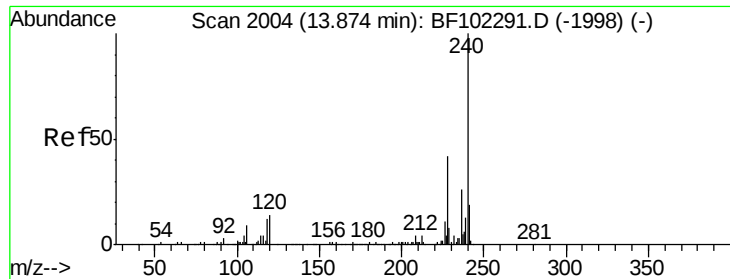
Sohil  
 1/30/2018 3:36:21 PM



#74  
 Fluoranthene  
 Concen: 15.836 ng  
 RT: 12.46 min Scan# 1764  
 Delta R.T. 0.01 min  
 Lab File: BF102589.D  
 Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 34.1  |
| 203     | 18.3  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

Instrument :

BNA\_F

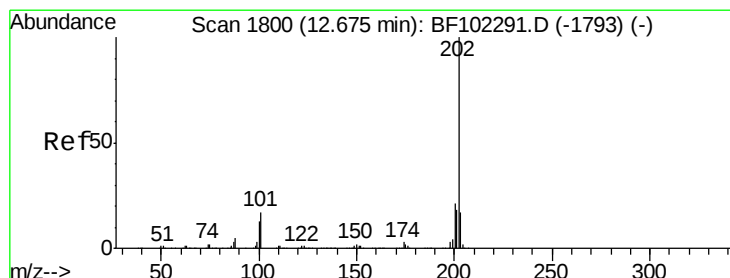
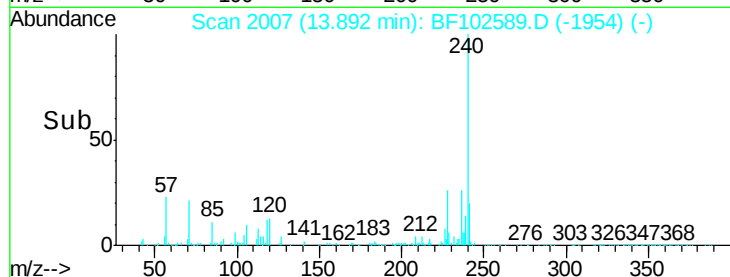
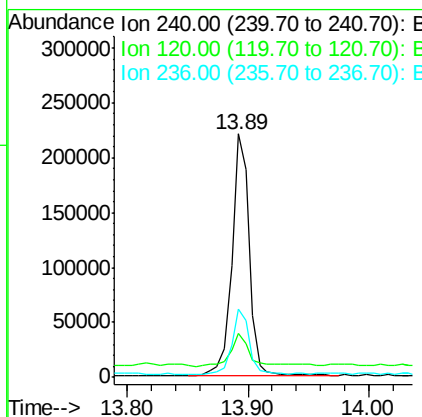
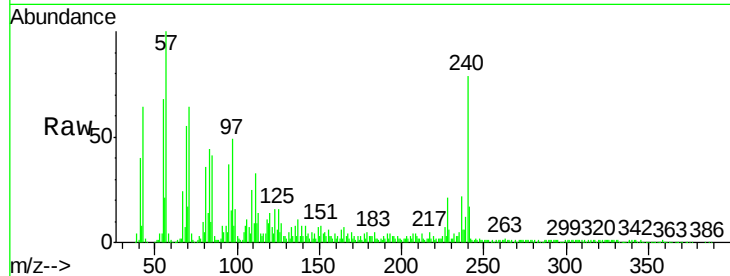
ClientSampleId :

WC-20(5-15)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 222078 |       |       |
| 120     | 17.9  | 9.5    | 14.3  |       |
| 236     | 27.8  | 20.7   | 31.1  |       |

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#77

Pyrene

Concen: 18.001 ng

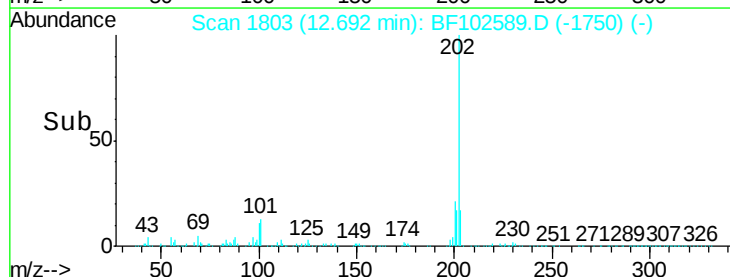
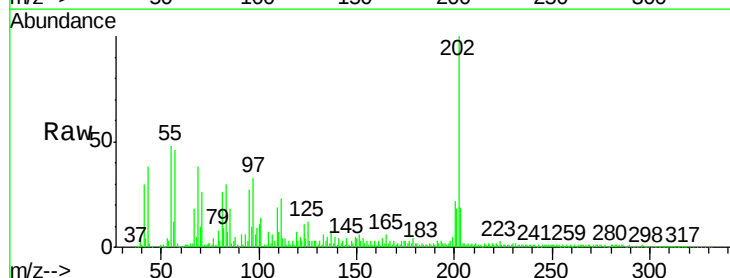
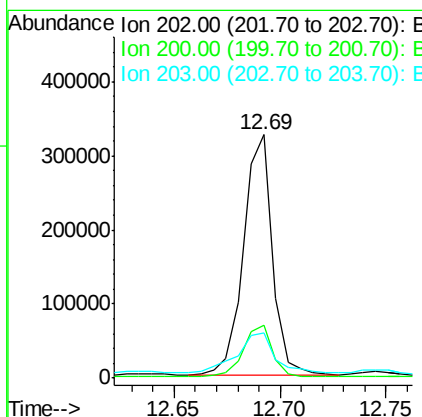
RT: 12.69 min Scan# 1803

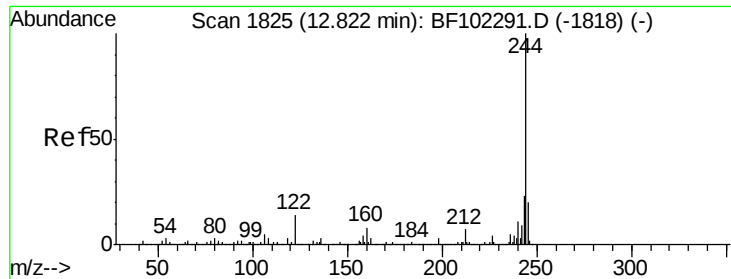
Delta R.T. 0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 309089 |       |       |
| 200     | 21.6  | 17.4   | 26.2  |       |
| 203     | 18.8  | 14.3   | 21.5  |       |





#78

Terphenyl-d14

Concen: 71.035 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

Instrument :

BNA\_F

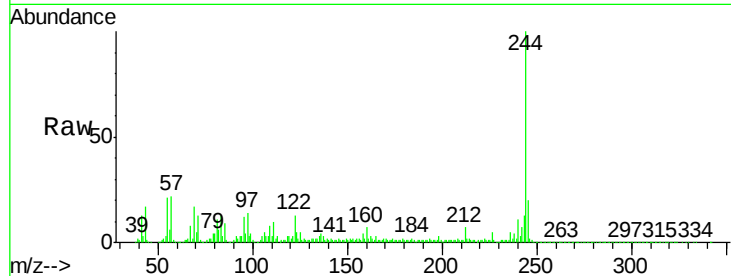
ClientSampled :

WC-20(5-15)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 699769 |       |       |
| 212     | 7.1   |        | 5.4   | 8.0   |
| 122     | 12.8  |        | 11.0  | 16.4  |

Manual Integrations  
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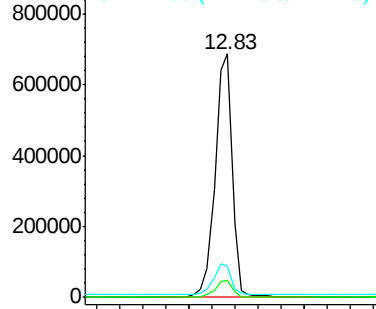
Sohil  
1/30/2018 3:36:21 PM



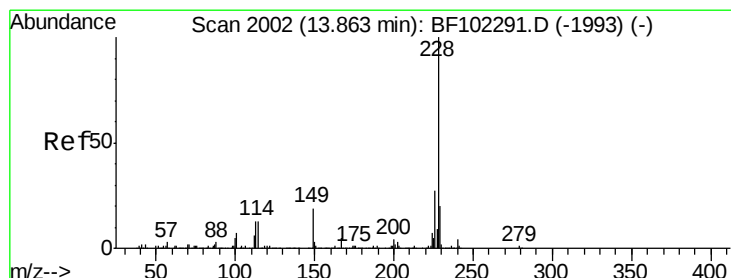
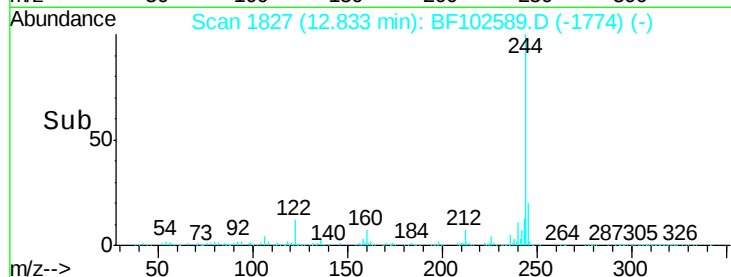
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 10.314 ng

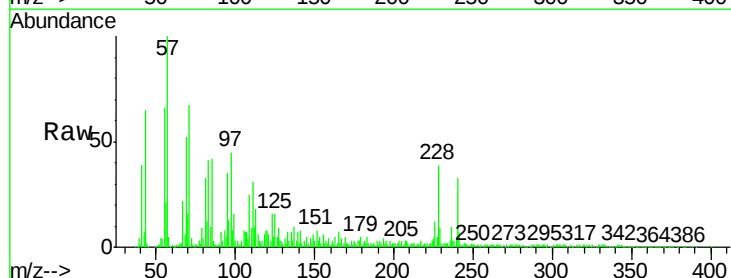
RT: 13.89 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

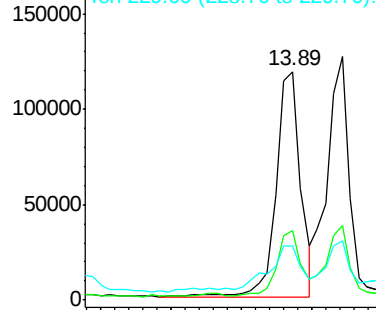
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 141014 |       |       |
| 226     | 30.4  |        | 22.6  | 33.8  |
| 229     | 23.9  |        | 15.8  | 23.6# |



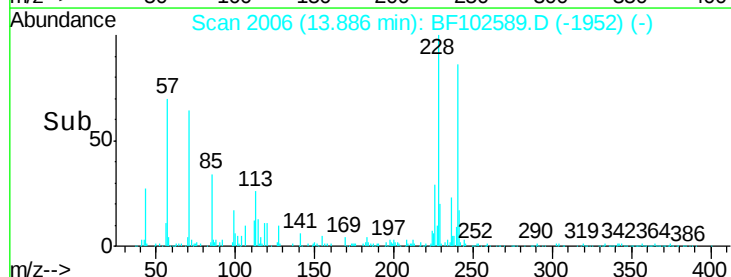
Abundance Ion 228.00 (227.70 to 228.70): E

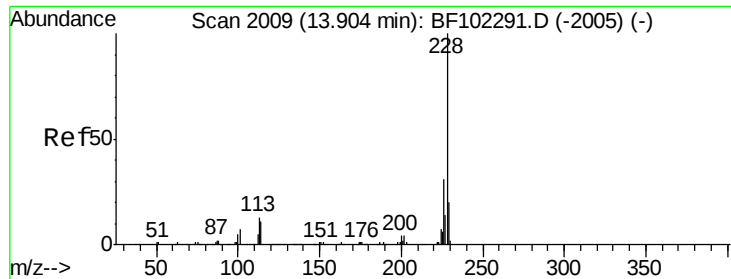
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 9.959 ng m

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

Instrument :

BNA\_F

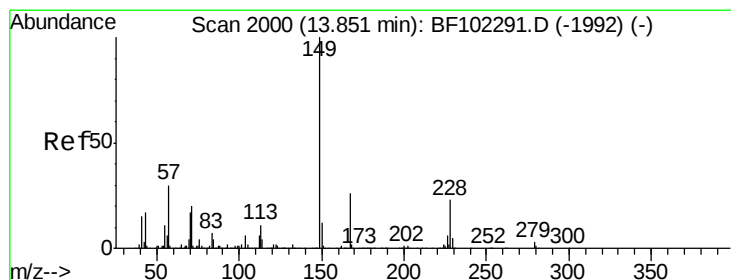
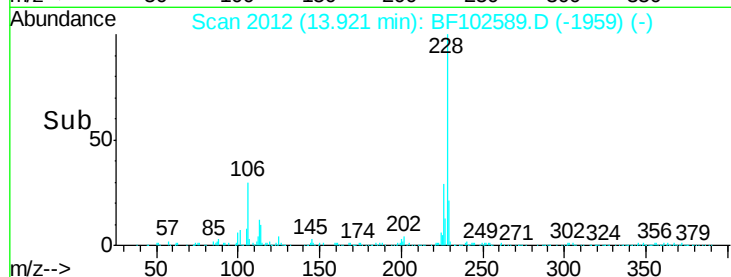
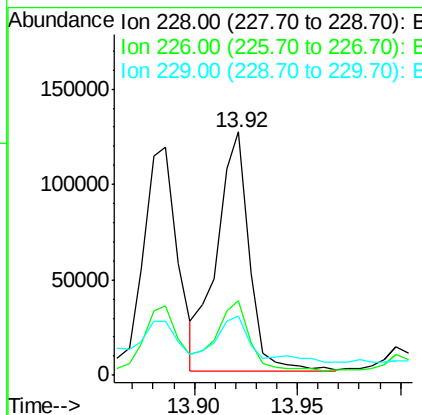
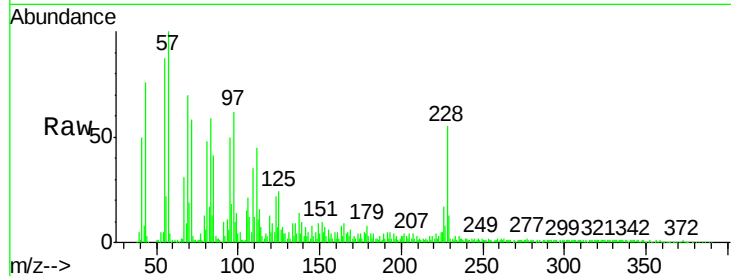
ClientSampleId :

WC-20(5-15)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 138278 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.8  | 25.0  | 37.6   |
| 229       | 24.4  | 16.2  | 24.4#  |

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1/30/2018 3:36:21 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.679 ng

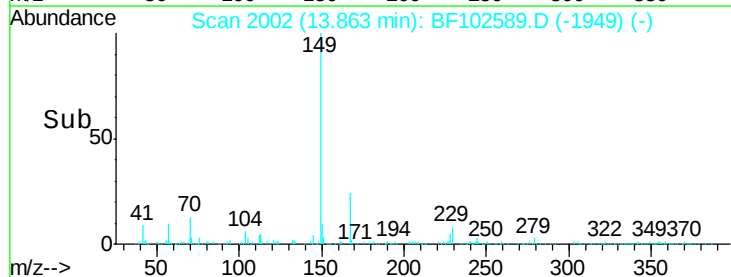
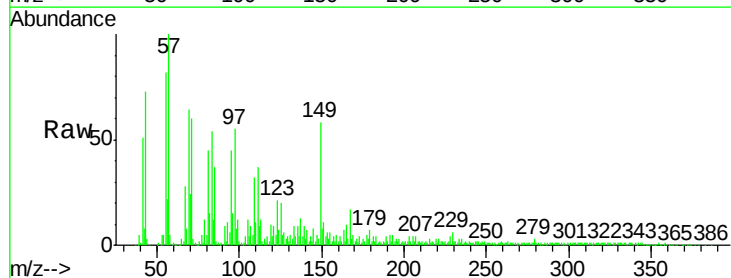
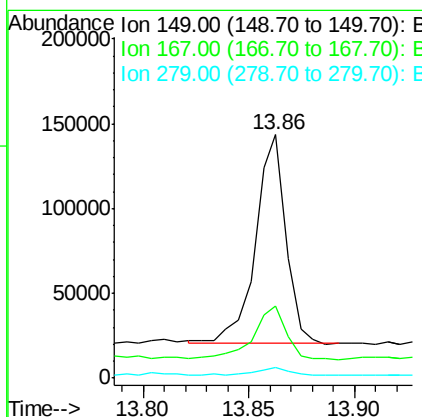
RT: 13.86 min Scan# 2002

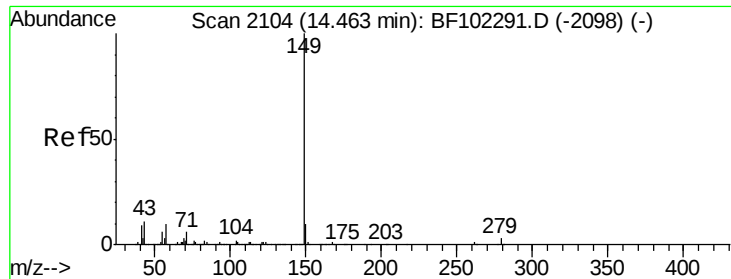
Delta R.T. 0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 122626 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 29.6  | 21.3  | 31.9   |
| 279       | 4.4   | 3.0   | 4.4    |





#84

Di-n-octyl phthalate

Concen: 3.062 ng

RT: 14.47 min Scan# 2106

Delta R.T. 0.01 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

Instrument :

BNA\_F

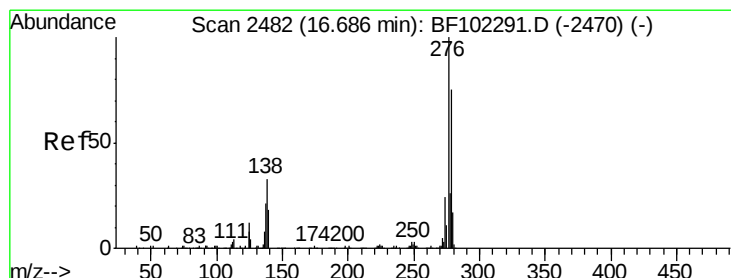
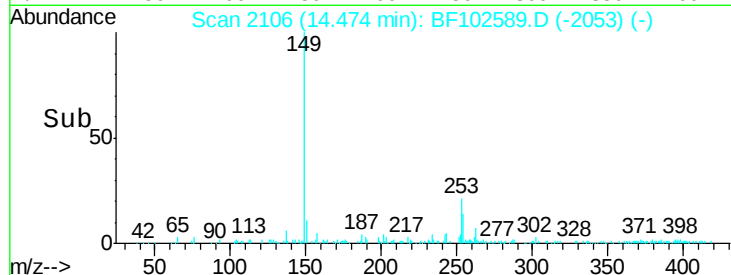
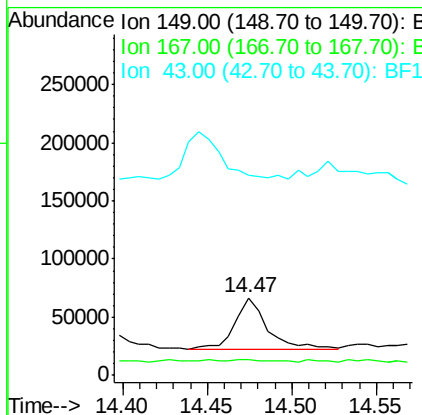
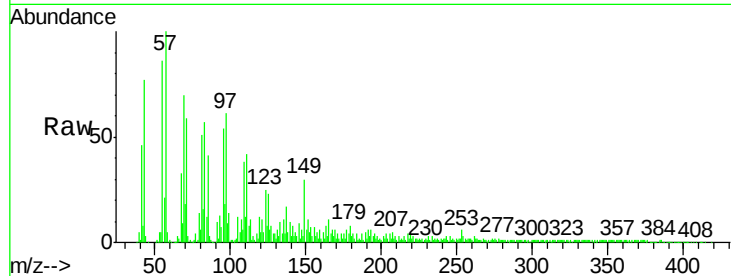
ClientSampleId :

WC-20(5-15)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 57175 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 6.0   | 1.2   | 1.8#  |
| 43        | 0.0   | 8.4   | 12.6# |

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1/30/2018 3:36:21 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.393 ng

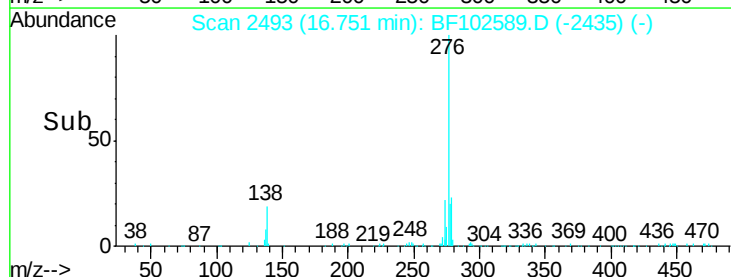
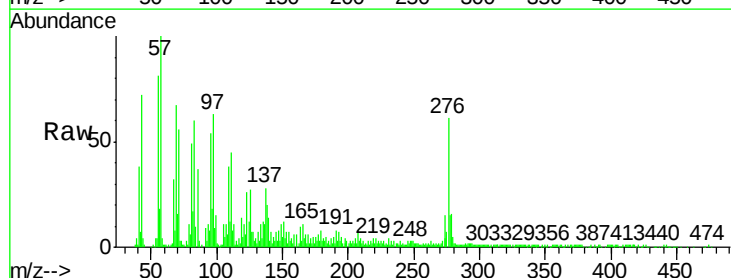
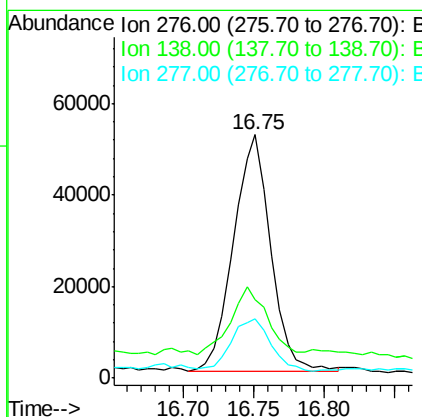
RT: 16.75 min Scan# 2493

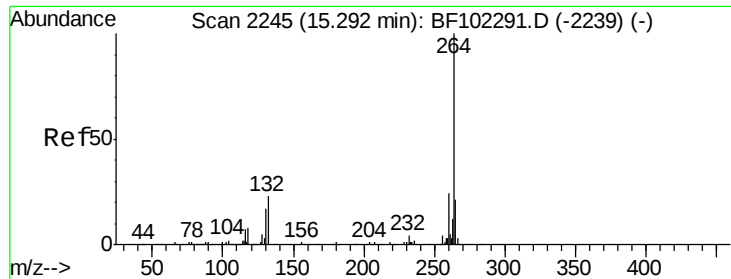
Delta R.T. 0.04 min

Lab File: BF102589.D

Acq: 29 Jan 2018 11:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 96242 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 27.9  | 25.0  | 37.6  |
| 277       | 23.5  | 20.1  | 30.1  |





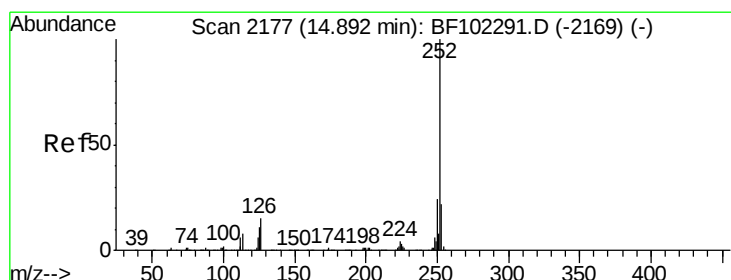
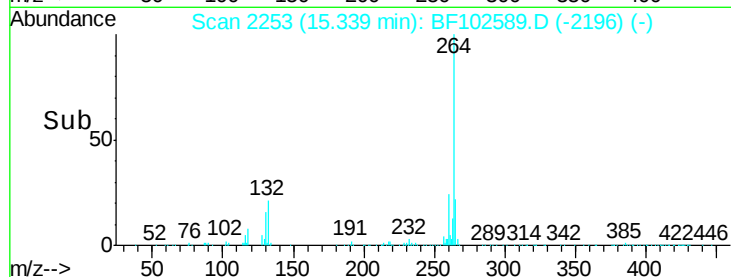
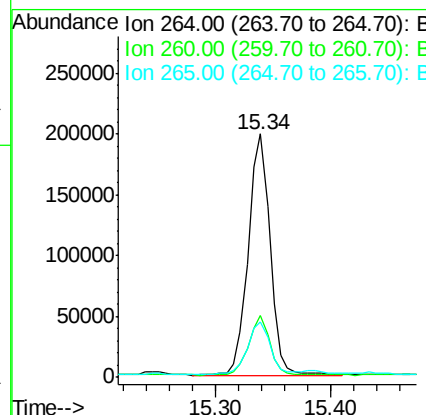
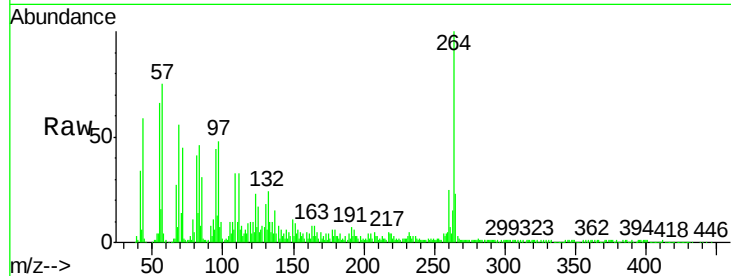
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.34 min Scan# 2253  
Delta R.T. 0.04 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

Instrument :  
BNA\_F  
ClientSampleId :  
WC-20(5-15)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 261393 |       |       |
| 260     | 25.2  | 19.2   | 28.8  |       |
| 265     | 22.9  | 17.5   | 26.3  |       |

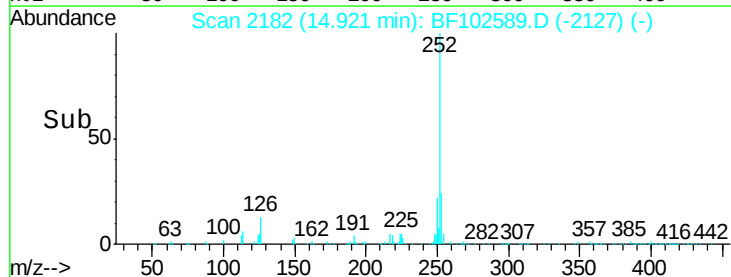
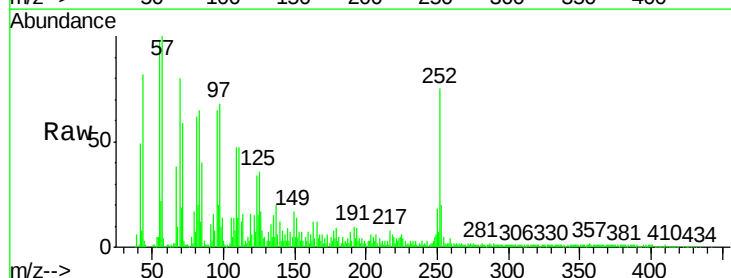
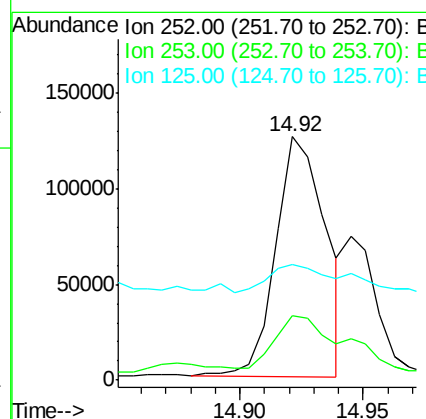
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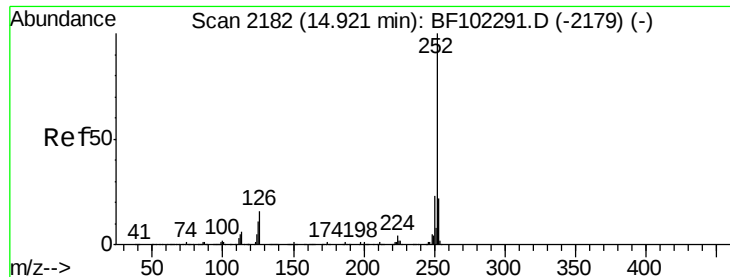
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#87  
Benzo(b)fluoranthene  
Concen: 10.515 ng m  
RT: 14.92 min Scan# 2182  
Delta R.T. 0.02 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 178145 |       |       |
| 253     | 26.5  | 17.0   | 25.6# |       |
| 125     | 47.6  | 9.0    | 13.6# |       |





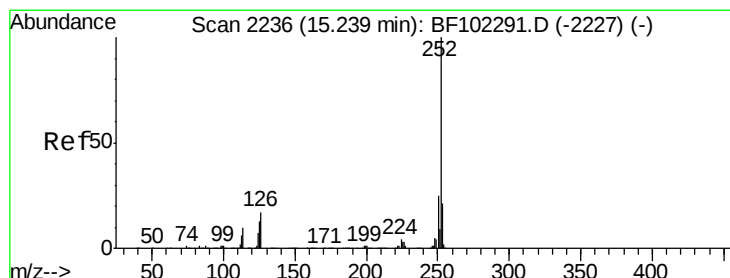
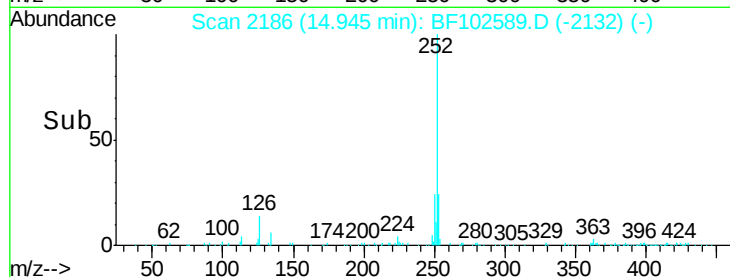
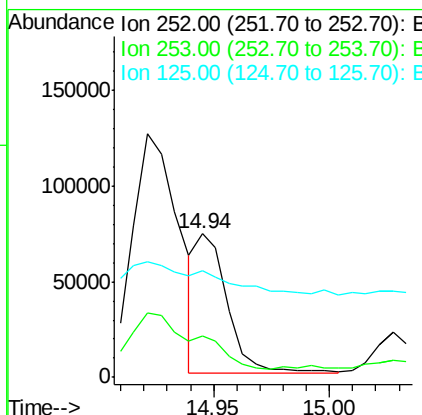
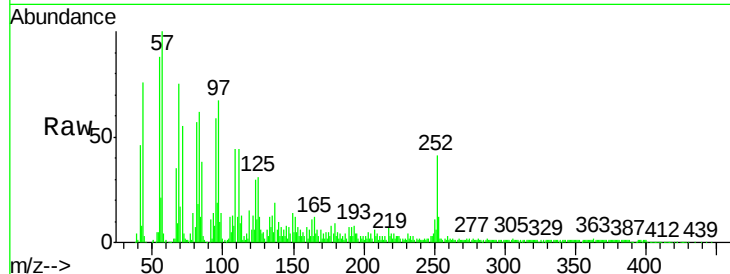
#88  
Benzo(k)fluoranthene  
Concen: 4.266 ng m  
RT: 14.94 min Scan# 2186  
Delta R.T. 0.02 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

Instrument :  
BNA\_F  
ClientSampleId :  
WC-20(5-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.7  | 17.9  | 26.9# |
| 125     | 74.0  | 10.2  | 15.2# |

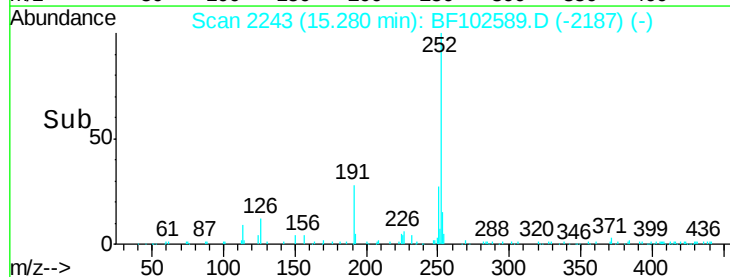
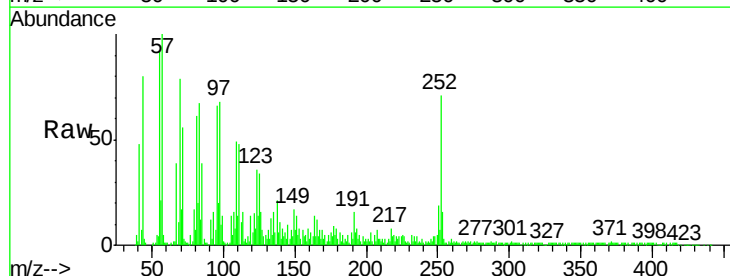
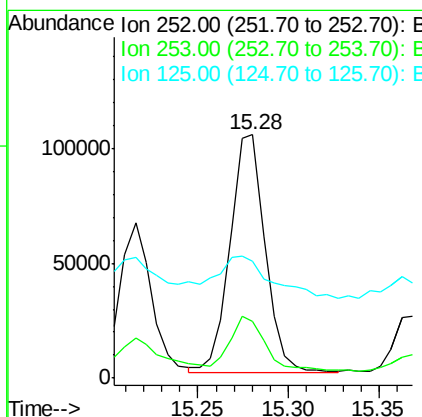
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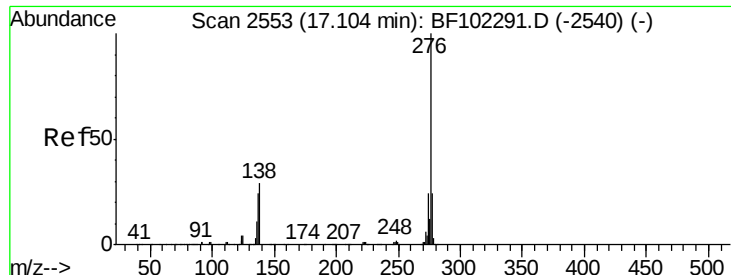
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#89  
Benzo(a)pyrene  
Concen: 9.203 ng  
RT: 15.28 min Scan# 2243  
Delta R.T. 0.03 min  
Lab File: BF102589.D  
Acq: 29 Jan 2018 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.1  | 25.7  |
| 125     | 47.8  | 9.8   | 14.6# |





#91  
 Benzo(g,h,i)perylene  
 Concen: 7.260 ng  
 RT: 17.17 min Scan# 2565  
 Delta R.T. 0.04 min  
 Lab File: BF102589.D  
 Acq: 29 Jan 2018 11:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-20(5-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.4  | 17.9  | 26.9# |
| 138     | 40.3  | 21.8  | 32.8# |

Manual Integrations  
 APPROVED

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