

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
 Data File : BF101445.D  
 Acq On : 15 Dec 2017 16:17  
 Operator : SJ/JU  
 Sample : I6841-01 30X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-01-01

Manual Integrations  
 APPROVED

Sohil  
 12/15/2017 7:50:55 PM

Quant Time: Dec 15 17:54:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 15 17:36:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 197014   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 784944   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 365117   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.35 | 188  | 672801   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 444119   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 419926   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |      |      |    |       |
|--------------------------|-------|-----|------|------|----|-------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 2994 | 0.23 | ng | 0.10  |
| 7) Phenol-d6             | 6.52  | 99  | 4750 | 0.29 | ng | 0.06  |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 3042 | 0.22 | ng | 0.03  |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 848  | 0.24 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.17  | 172 | 7007 | 0.30 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.92 | 244 | 7551 | 0.41 | ng | -0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 31) Naphthalene                | 8.12  | 128 | 1974081 | 49.955 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.81  | 142 | 469179  | 18.223 | ng | 98     |
| 45) 1,1'-Biphenyl              | 9.27  | 154 | 123507  | 3.814  | ng | 97     |
| 48) Acenaphthylene             | 9.72  | 152 | 167210  | 4.273  | ng | 99     |
| 51) Acenaphthene               | 9.89  | 154 | 183739  | 7.815  | ng | 99     |
| 54) Dibenzofuran               | 10.06 | 168 | 253463  | 8.483  | ng | 98     |
| 57) Fluorene                   | 10.40 | 166 | 407928  | 16.139 | ng | 98     |
| 70) Phenanthrene               | 11.37 | 178 | 1425793 | 38.107 | ng | 99     |
| 71) Anthracene                 | 11.42 | 178 | 441564  | 11.554 | ng | 99     |
| 72) Carbazole                  | 11.58 | 167 | 142987  | 3.996  | ng | 99     |
| 74) Fluoranthene               | 12.56 | 202 | 967657  | 24.639 | ng | 99     |
| 77) Pyrene                     | 12.79 | 202 | 935794  | 28.076 | ng | 99     |
| 80) Benzo(a)anthracene         | 13.98 | 228 | 374977  | 12.787 | ng | 98     |
| 82) Chrysene                   | 14.02 | 228 | 331151  | 11.960 | ng | 98     |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 49969   | 2.616  | ng | 99     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.94 | 276 | 130105  | 5.277  | ng | # 93   |
| 87) Benzo(b)fluoranthene       | 15.04 | 252 | 287248m | 11.223 | ng |        |
| 88) Benzo(k)fluoranthene       | 15.06 | 252 | 116310m | 4.674  | ng |        |
| 89) Benzo(a)pyrene             | 15.40 | 252 | 262826  | 11.139 | ng | 98     |
| 91) Benzo(g,h,i)perylene       | 17.39 | 276 | 128673  | 6.414  | ng | 97     |

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

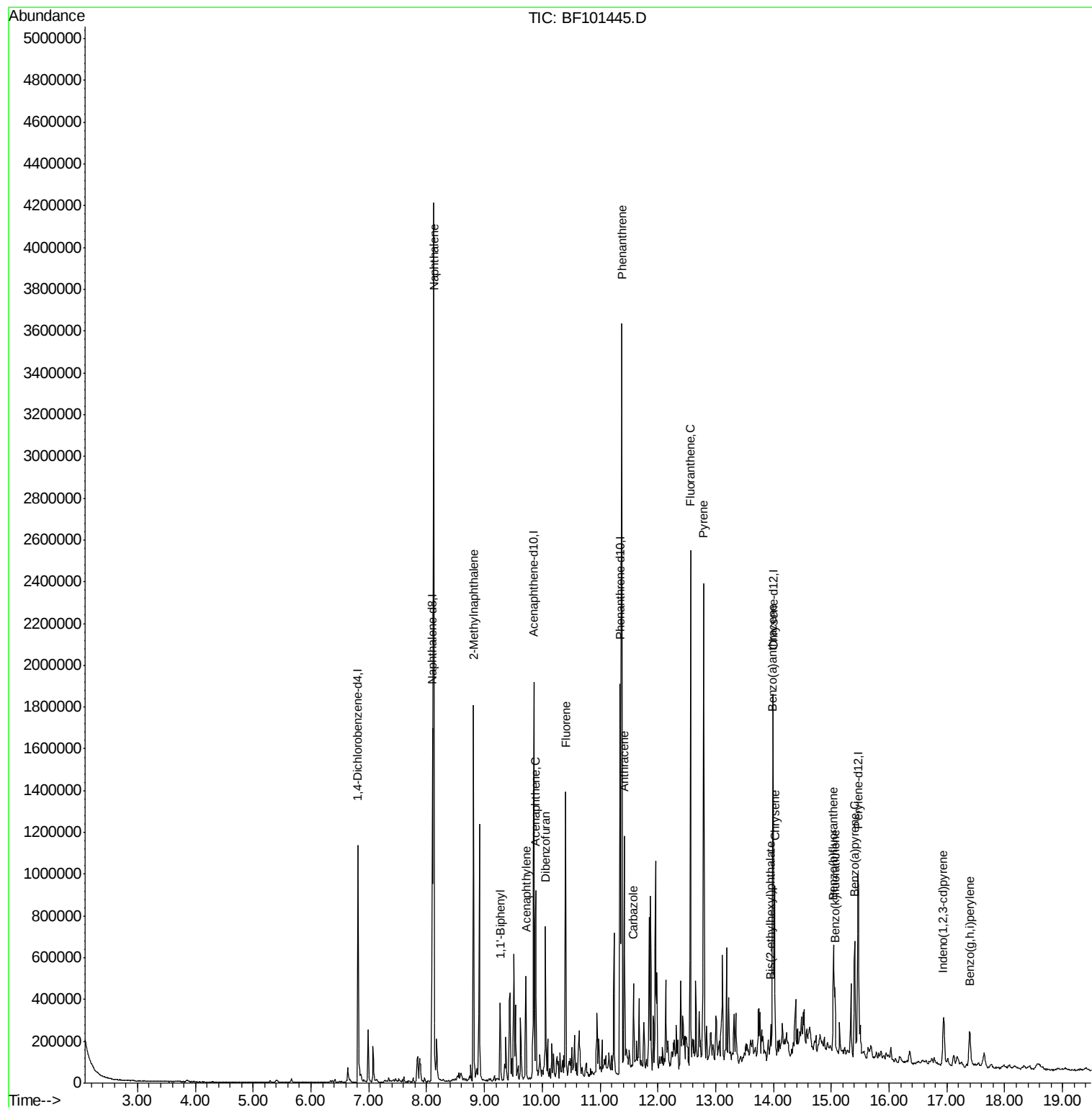
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101445.D  
Acq On : 15 Dec 2017 16:17  
Operator : SJ/JU  
Sample : I6841-01 30X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

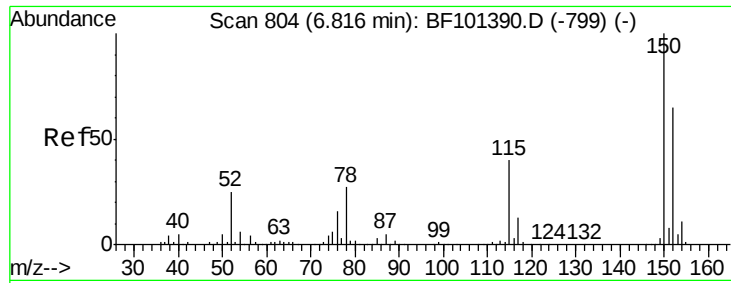
Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

Manual Integrations  
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12/15/2017 7:50:55 PM

Quant Time: Dec 15 17:54:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 15 17:36:17 2017  
Response via : Initial Calibration





#1

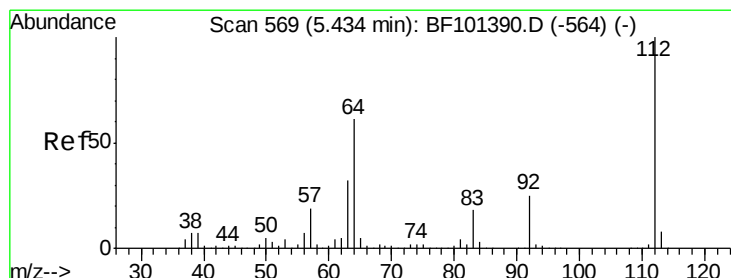
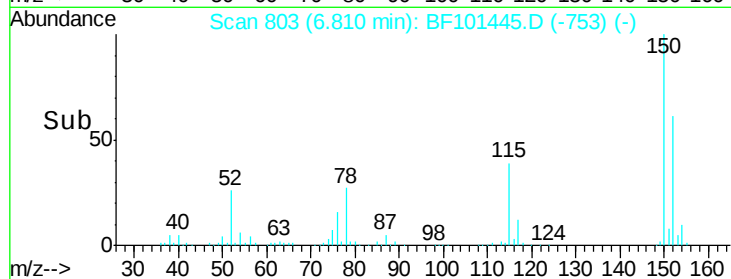
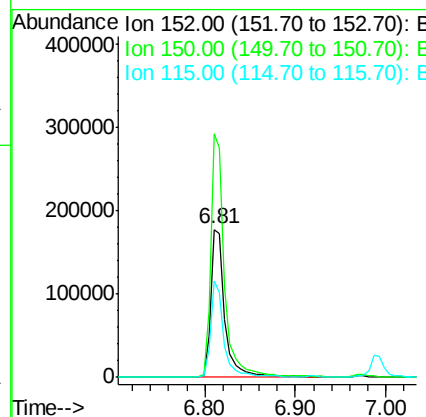
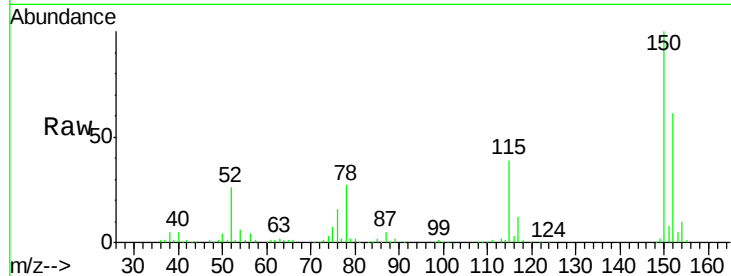
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 197014 |       |       |
| 150     | 164.3 | 124.6  | 186.8 |       |
| 115     | 64.8  | 50.1   | 75.1  |       |

Manual Integrations  
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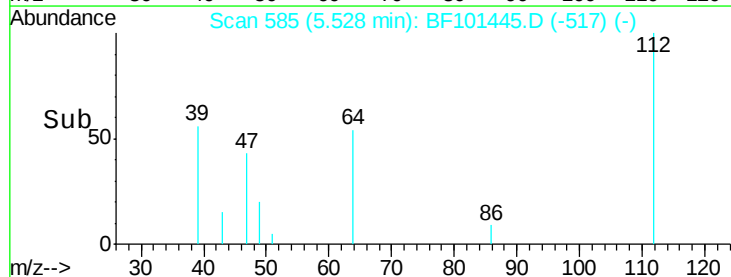
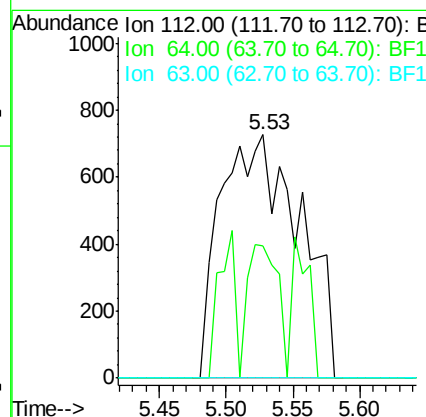
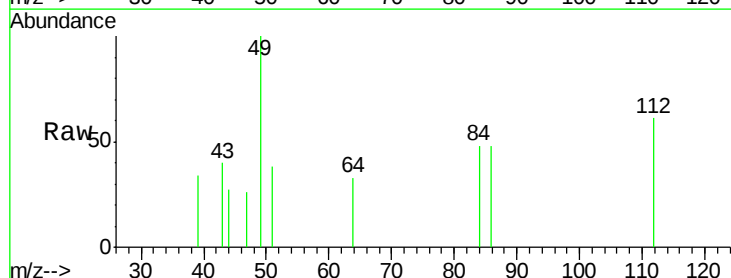
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12/15/2017 7:50:55 PM

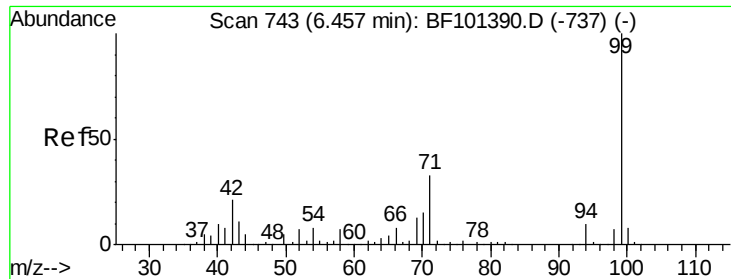


#5

2-Fluorophenol  
Concen: 0.226 ng  
RT: 5.53 min Scan# 585  
Delta R.T. 0.10 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 112     | 100   | 2994 |       |       |
| 64      | 54.5  | 47.9 | 71.9  |       |
| 63      | 0.0   | 23.7 | 35.5  |       |





#7

Phenol-d6

Concen: 0.289 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.06 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

Instrument :

BNA\_F

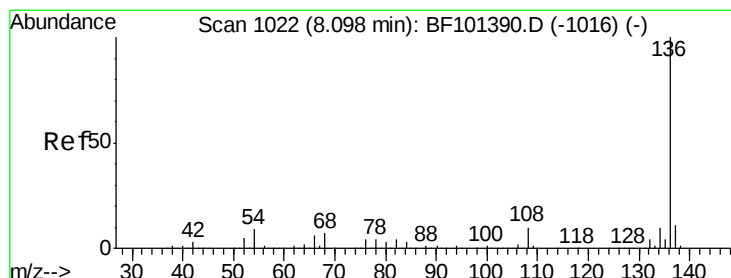
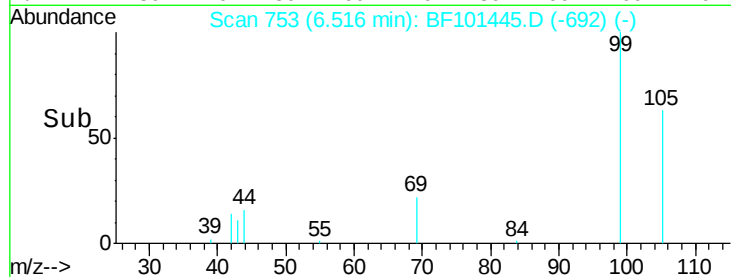
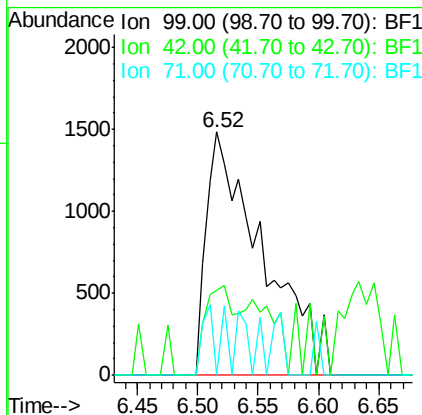
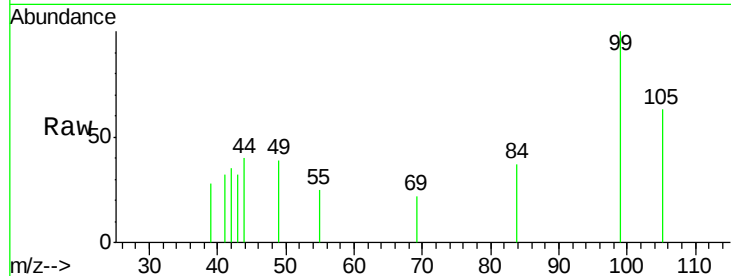
ClientSampleId :

WC-01-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 35.1  | 14.5  | 21.7# |
| 71      | 0.0   | 25.4  | 38.0# |

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#21

Naphthalene-d8

Concen: 20.000 ng

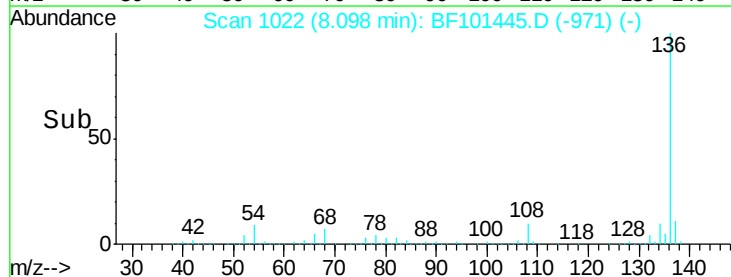
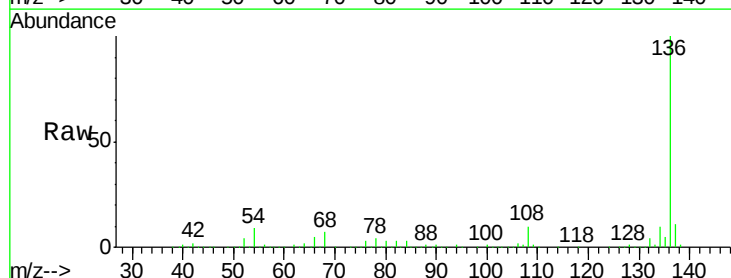
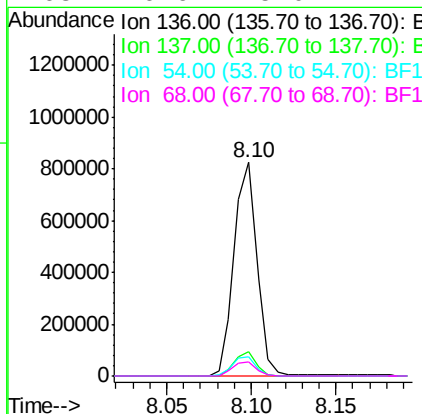
RT: 8.10 min Scan# 1022

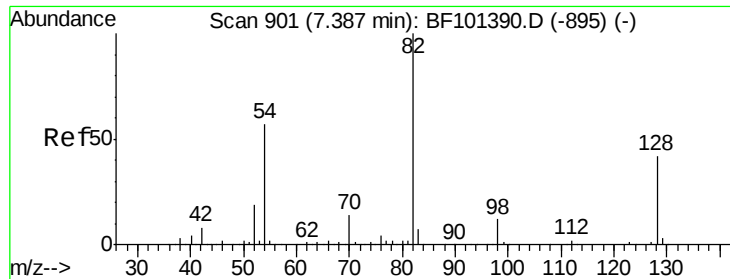
Delta R.T. 0.00 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.2  | 8.9   | 13.3  |
| 54      | 8.7   | 6.6   | 9.8   |
| 68      | 6.6   | 5.0   | 7.4   |





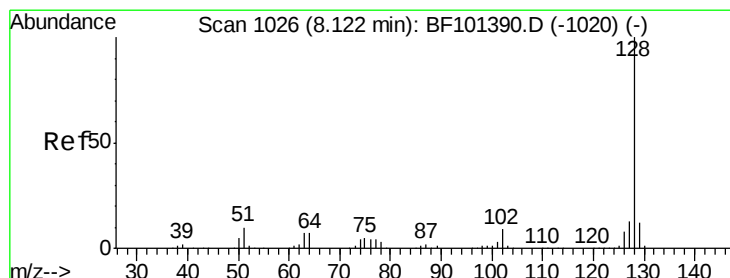
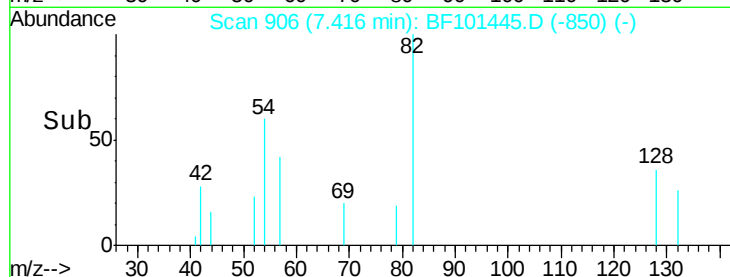
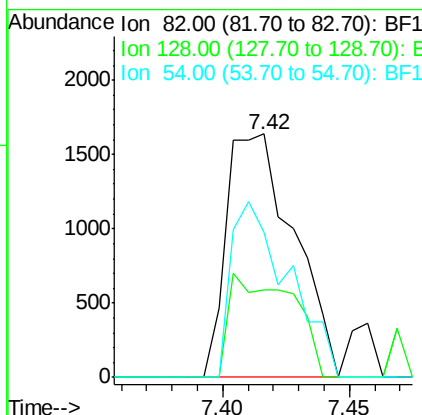
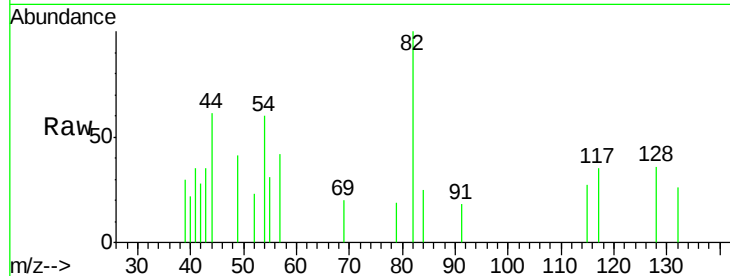
#23  
Nitrobenzene-d5  
Concen: 0.216 ng  
RT: 7.42 min Scan# 906  
Delta R.T. 0.03 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampled :  
WC-01-01

Tgt Ion: 82 Resp: 3042  
Ion Ratio Lower Upper  
82 100  
128 35.7 36.1 54.1#  
54 59.5 41.4 62.2

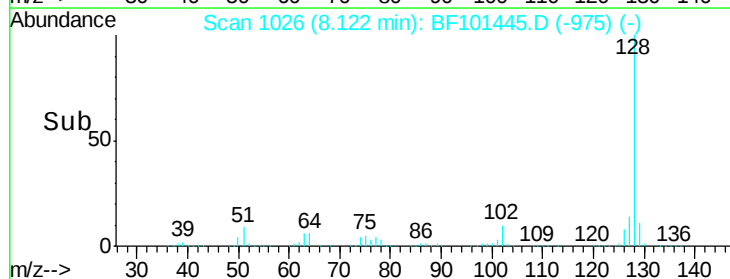
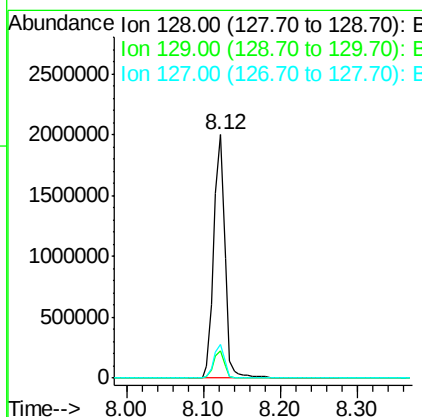
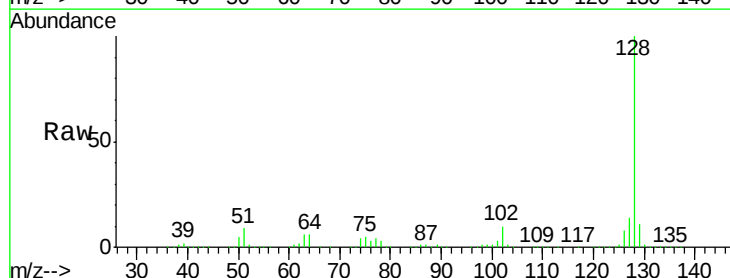
Manual Integrations  
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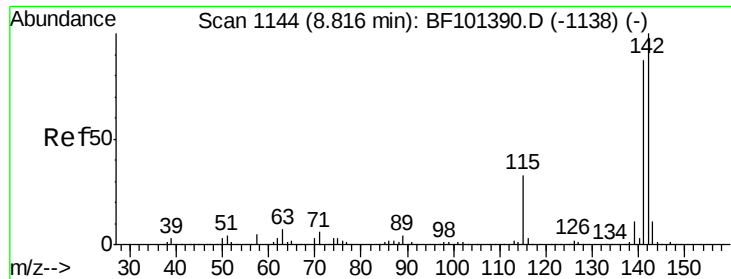
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#31  
Naphthalene  
Concen: 49.955 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Tgt Ion: 128 Resp: 1974081  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.9 10.9 16.3





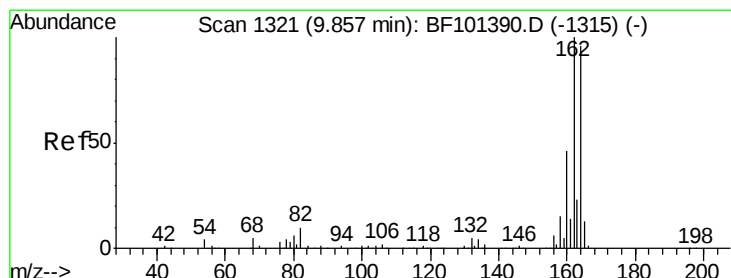
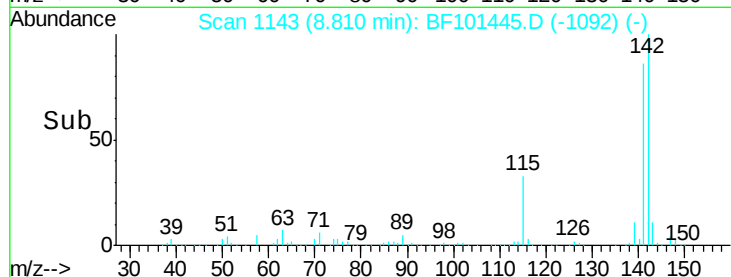
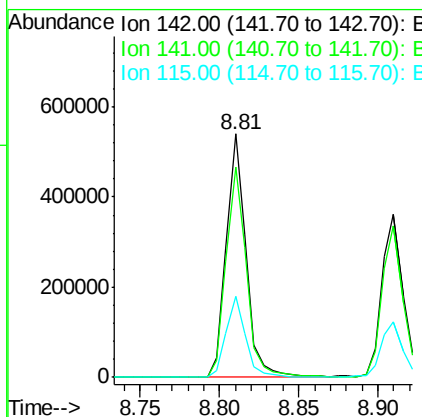
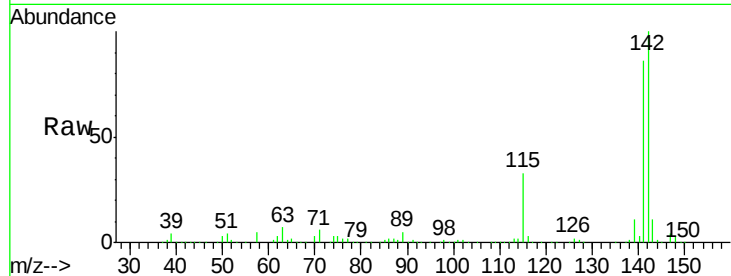
#37  
2-Methylnaphthalene  
Concen: 18.223 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 469179 |       |       |
| 141     | 86.3  | 70.8   | 106.2 |       |
| 115     | 33.3  | 26.1   | 39.1  |       |

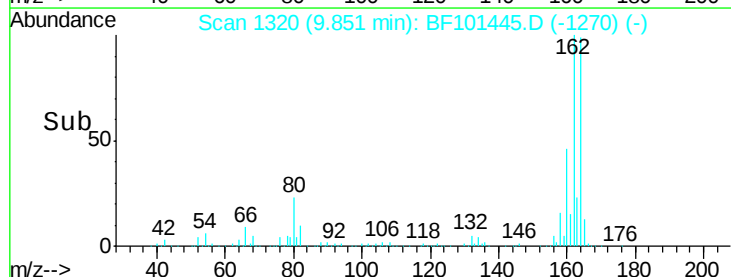
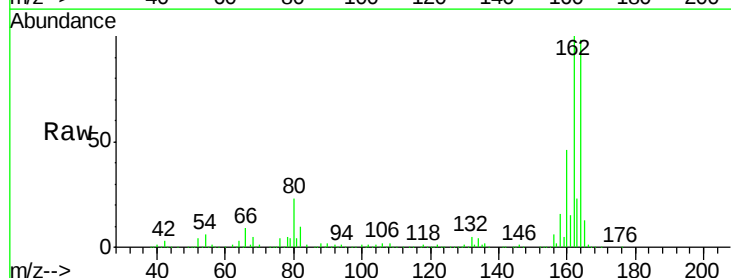
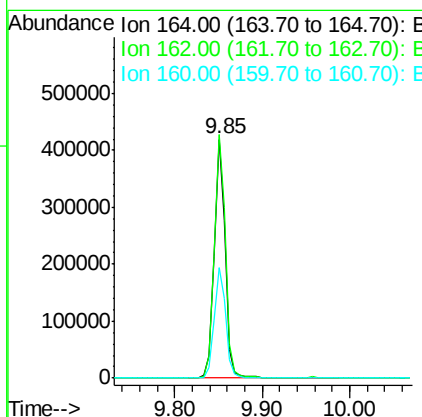
Manual Integrations  
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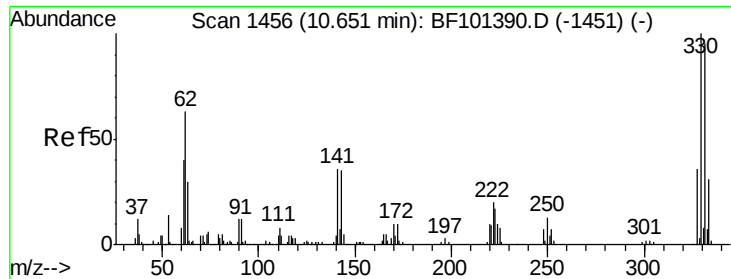
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12/15/2017 7:50:55 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 365117 |       |       |
| 162     | 102.0 | 86.1   | 129.1 |       |
| 160     | 46.6  | 38.3   | 57.5  |       |





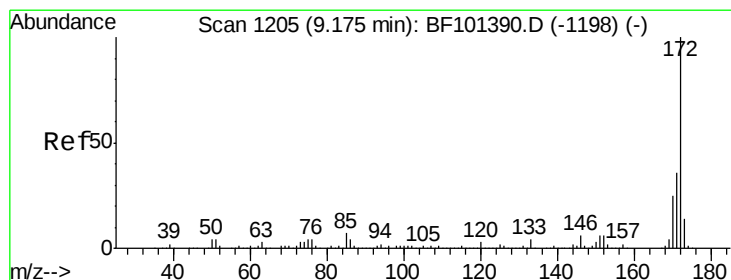
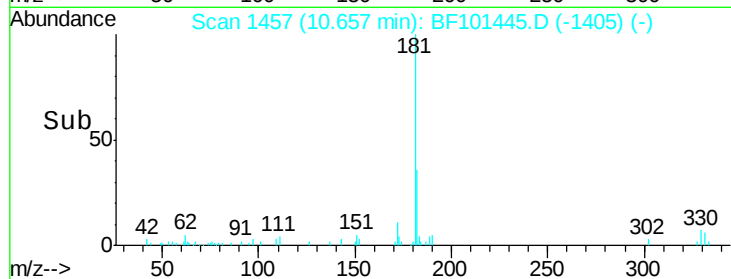
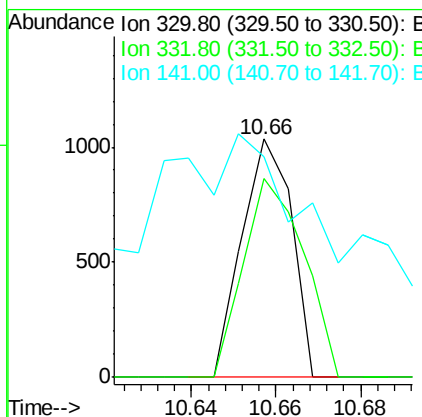
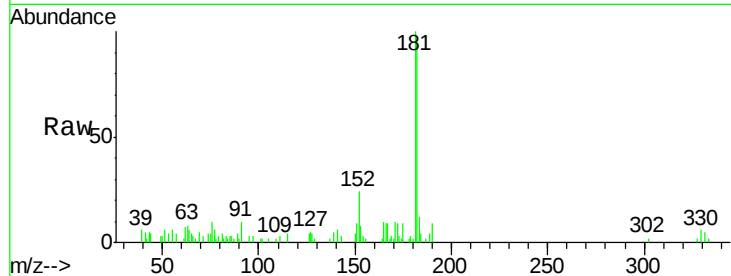
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 2,4,6-Tribromophenol  
 Concen: 0.241 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. 0.01 min  
 Lab File: BF101445.D  
 Acq: 15 Dec 2017 16:17

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 101.2 | 77.0  | 115.6 |
| 141     | 48.1  | 29.9  | 44.9  |

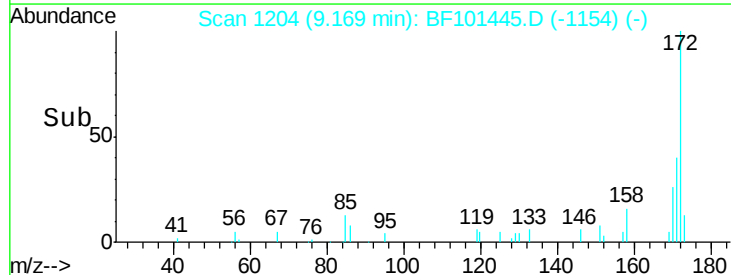
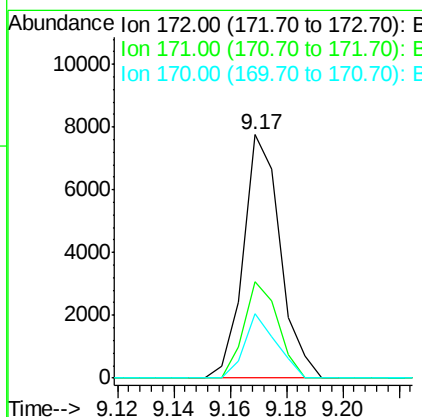
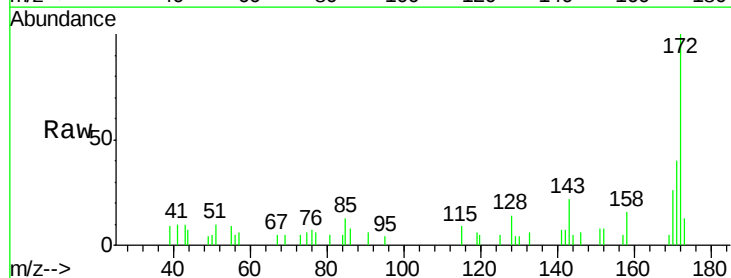
Manual Integrations  
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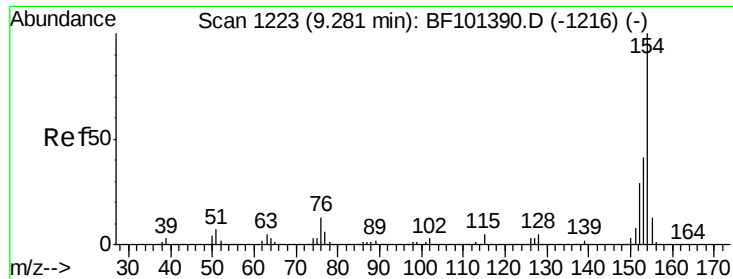
Sohil  
 12/15/2017 7:50:55 PM



#44  
 2-Fluorobiphenyl  
 Concen: 0.298 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: BF101445.D  
 Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.6  | 29.7  | 44.5  |
| 170     | 26.3  | 19.6  | 29.4  |





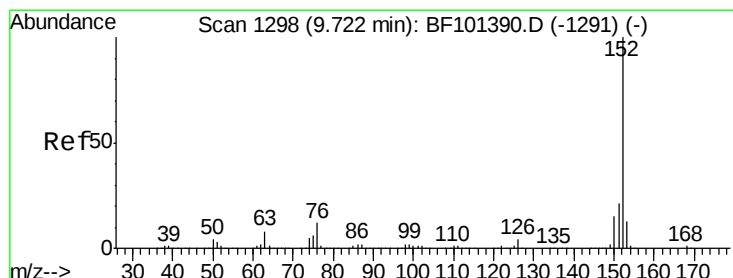
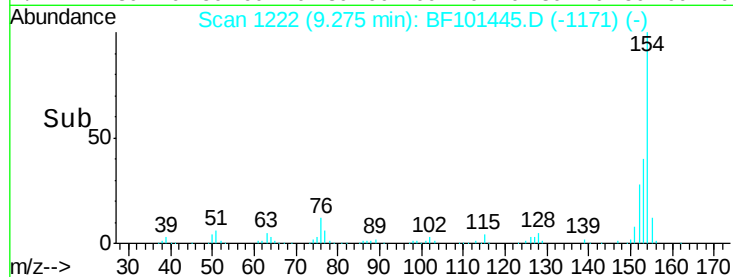
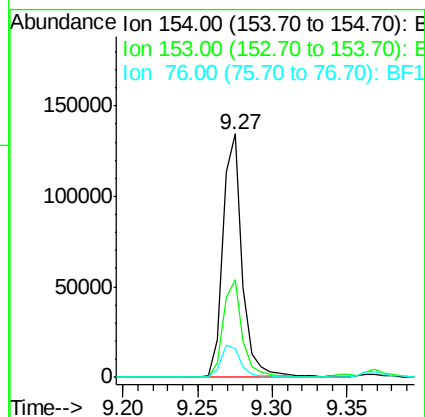
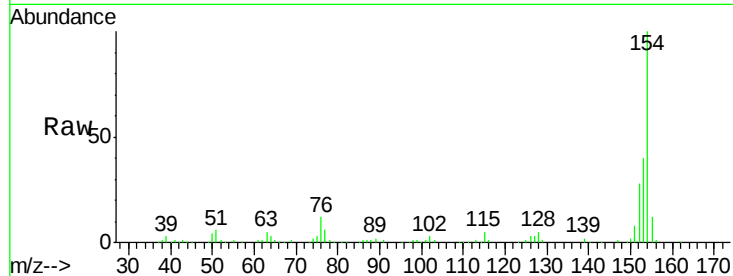
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1,1'-Biphenyl  
Concen: 3.814 ng  
RT: 9.27 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 123507 |       |       |
| 153     | 40.0  | 21.3   | 61.3  |       |
| 76      | 11.8  | 0.0    | 34.0  |       |

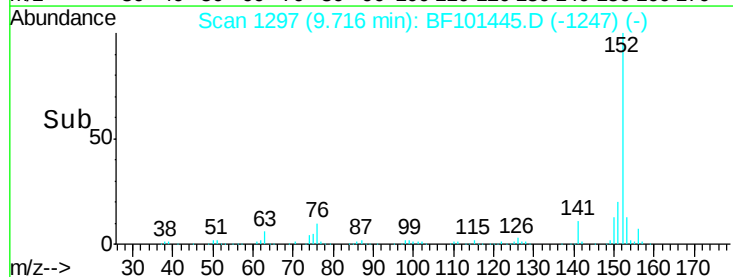
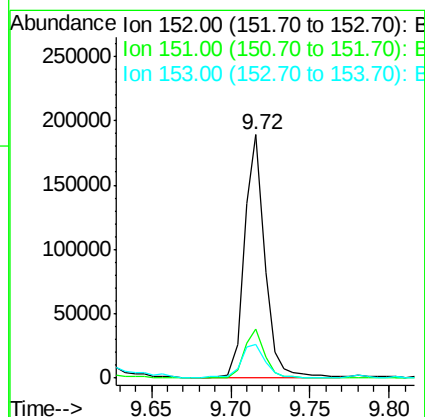
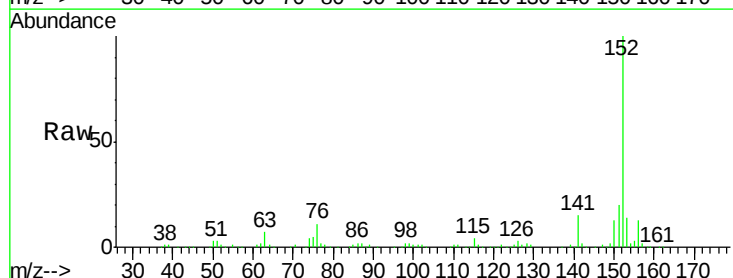
Manual Integrations  
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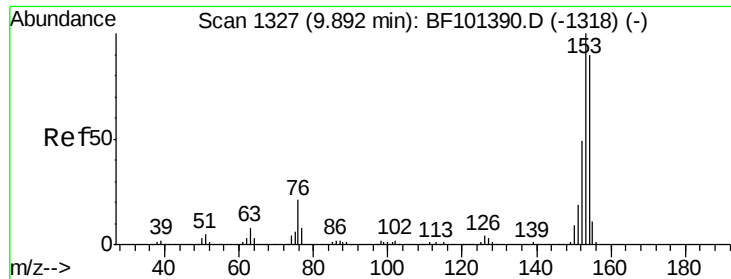
Sohil  
12/15/2017 7:50:55 PM



#48  
Acenaphthylene  
Concen: 4.273 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 167210 |       |       |
| 151     | 20.2  | 16.3   | 24.5  |       |
| 153     | 14.1  | 10.7   | 16.1  |       |





#51

Acenaphthene

Concen: 7.815 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

Instrument :

BNA\_F

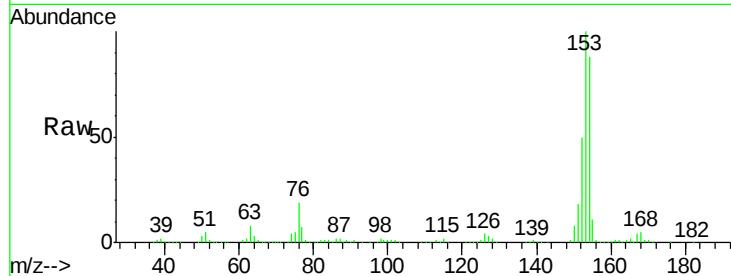
ClientSampleId :

WC-01-01

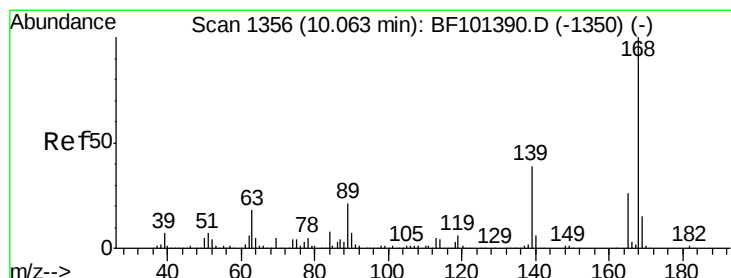
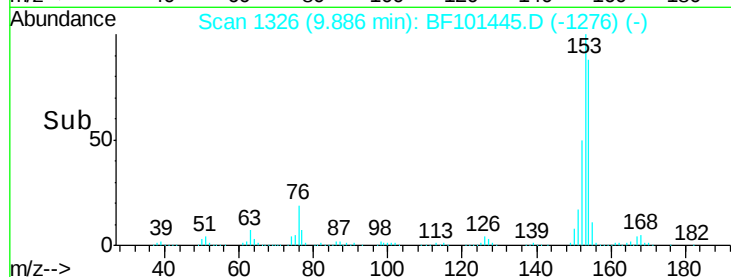
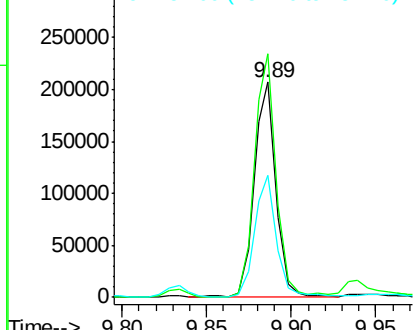
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 183739 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.2 | 91.2  | 136.8  |
| 152       | 56.9  | 43.8  | 65.8   |

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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



#54

Dibenzofuran

Concen: 8.483 ng

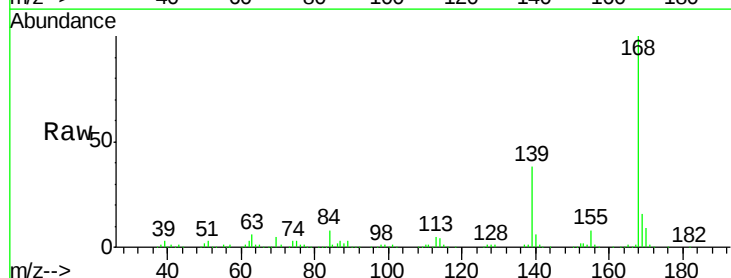
RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

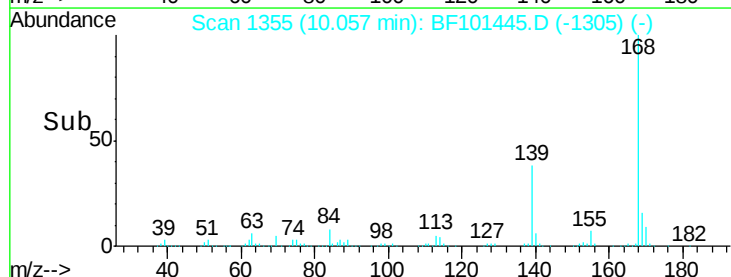
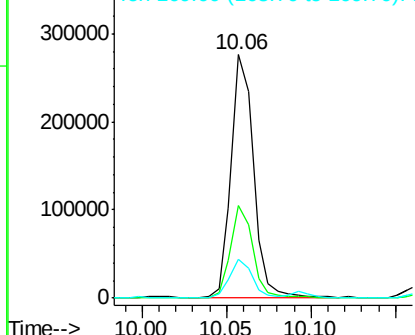
Lab File: BF101445.D

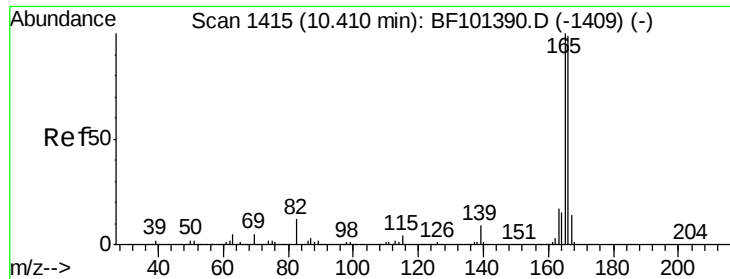
Acq: 15 Dec 2017 16:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 253463 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 38.0  | 30.1  | 45.1   |
| 169       | 16.0  | 10.9  | 16.3   |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 16.139 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

Instrument :

BNA\_F

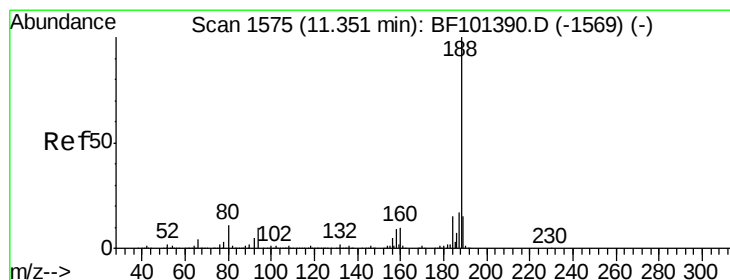
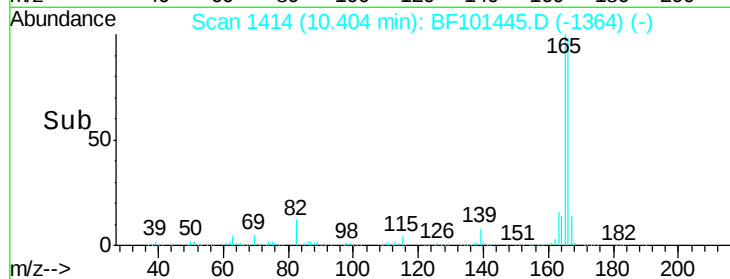
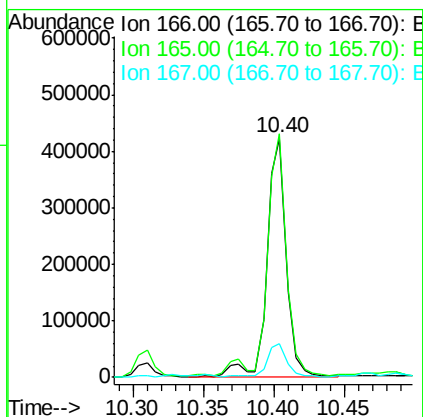
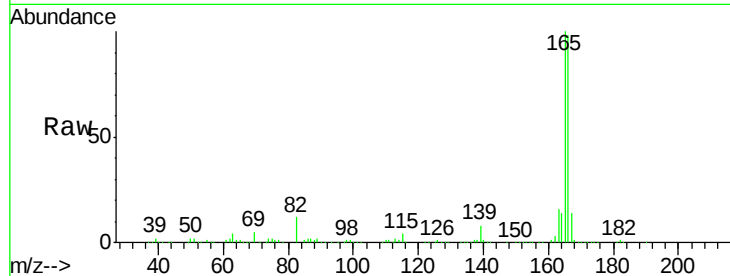
ClientSampleId :

WC-01-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 407928 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 102.1 | 79.8  | 119.8  |
| 167       | 14.2  | 10.6  | 16.0   |

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#63

Phenanthrene-d10

Concen: 20.000 ng

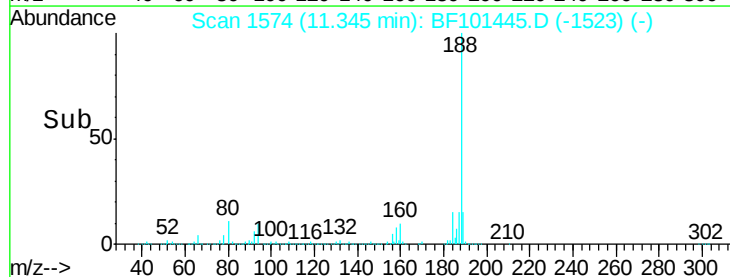
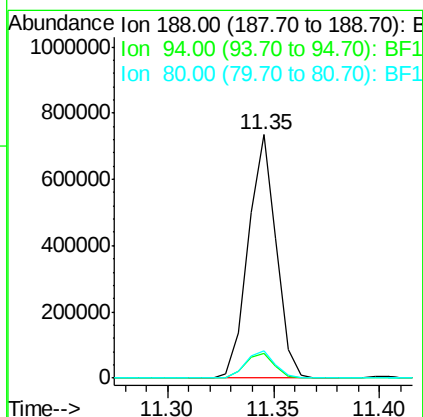
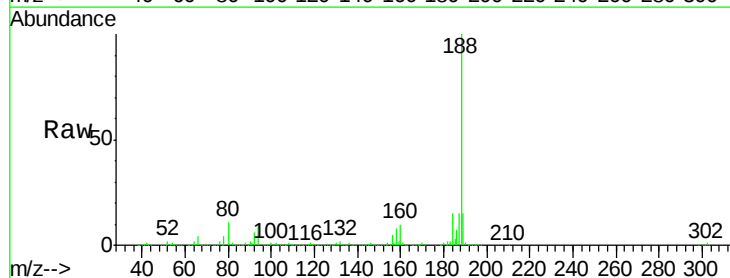
RT: 11.35 min Scan# 1574

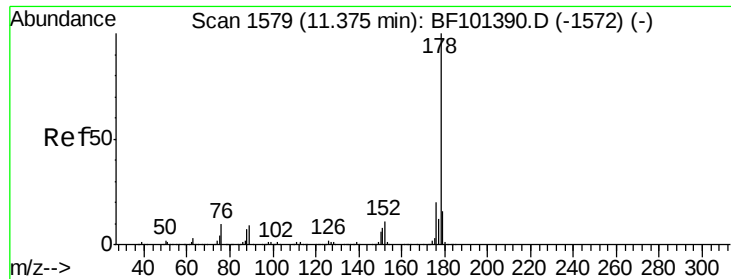
Delta R.T. 0.00 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 672801 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.2  | 8.5   | 12.7   |
| 80        | 11.2  | 9.2   | 13.8   |





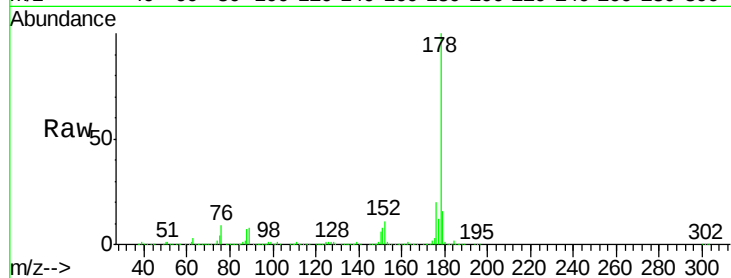
#70  
Phenanthrene  
Concen: 38.107 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

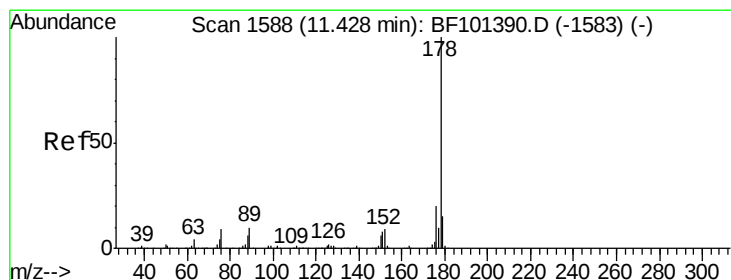
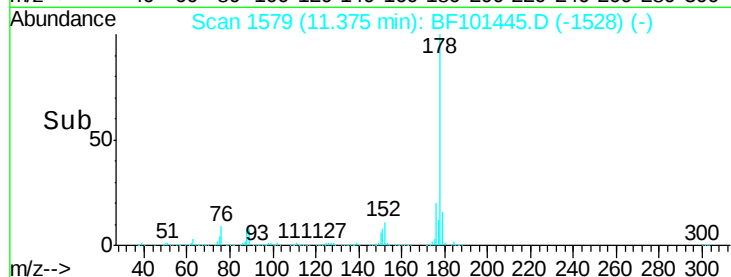
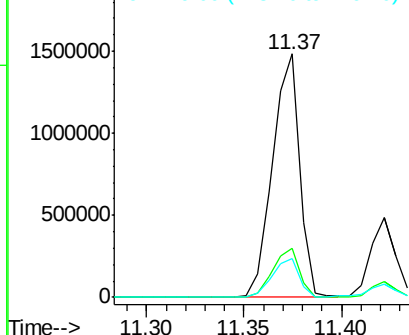
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.4  | 15.8  | 23.8  |
| 179     | 15.7  | 13.0  | 19.6  |

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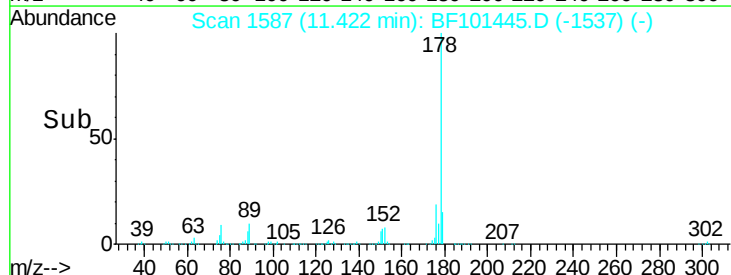
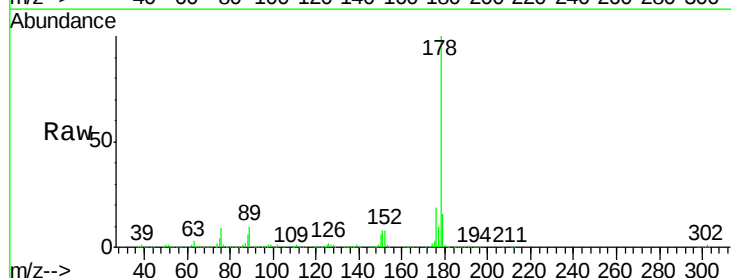
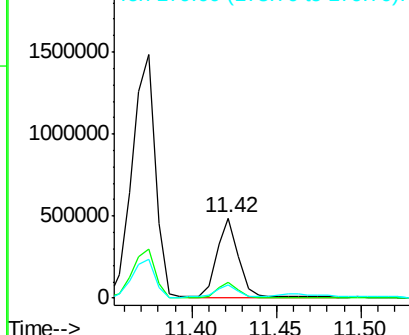
Abundance Ion 178.00 (177.70 to 178.70): E  
2000000  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

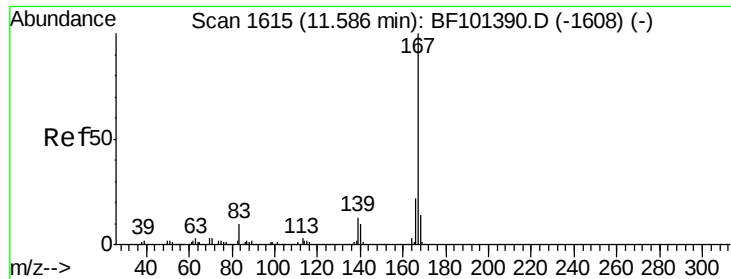


#71  
Anthracene  
Concen: 11.554 ng  
RT: 11.42 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.4  | 23.2  |
| 179     | 15.9  | 12.6  | 19.0  |

Abundance Ion 178.00 (177.70 to 178.70): E  
2000000  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.996 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101445.D

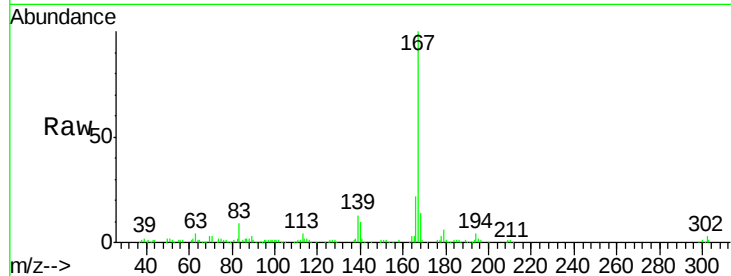
Acq: 15 Dec 2017 16:17

Instrument :

BNA\_F

ClientSampleId :

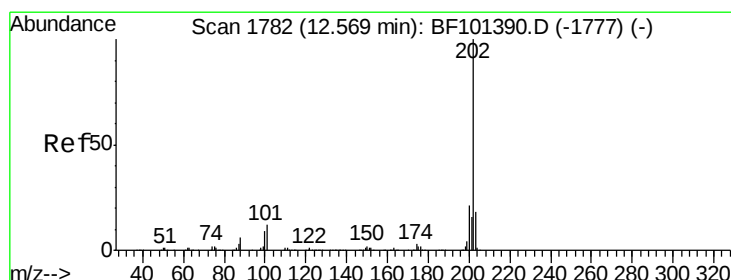
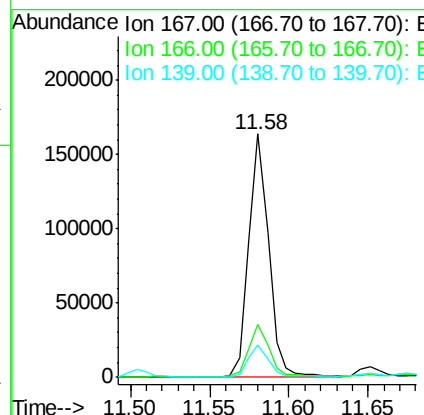
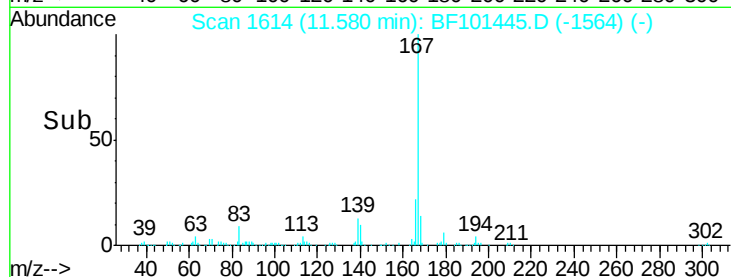
WC-01-01



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 142987 |       |       |
| 166     | 21.9  | 17.6   | 26.4  |       |
| 139     | 13.1  | 10.9   | 16.3  |       |

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#74

Fluoranthene

Concen: 24.639 ng

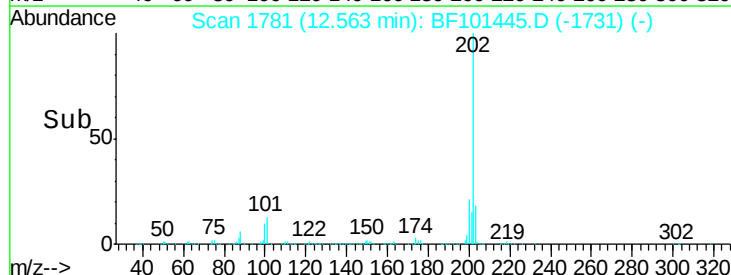
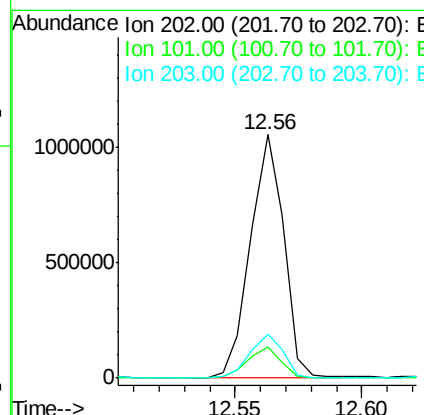
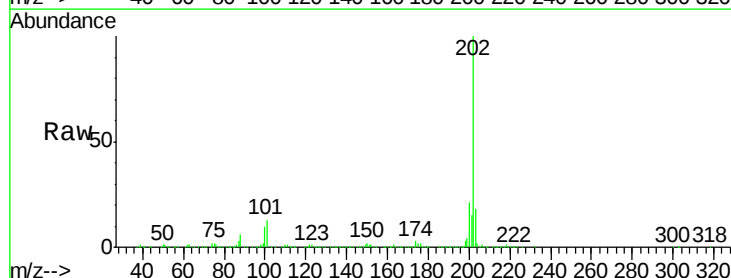
RT: 12.56 min Scan# 1781

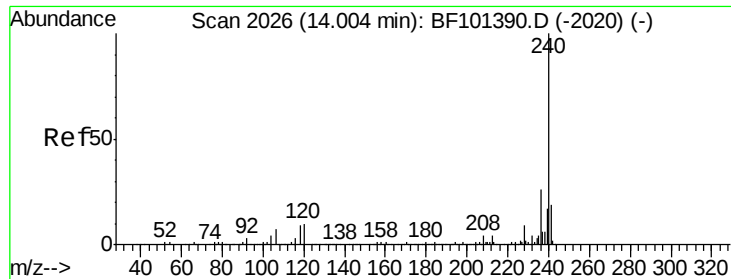
Delta R.T. -0.01 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 967657 |       |       |
| 101     | 13.0  | 0.0    | 34.1  |       |
| 203     | 18.0  | 0.0    | 38.1  |       |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

Instrument :

BNA\_F

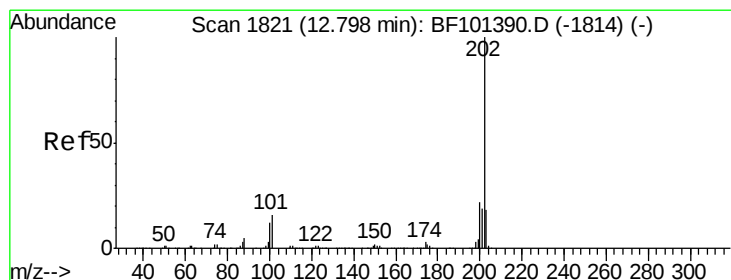
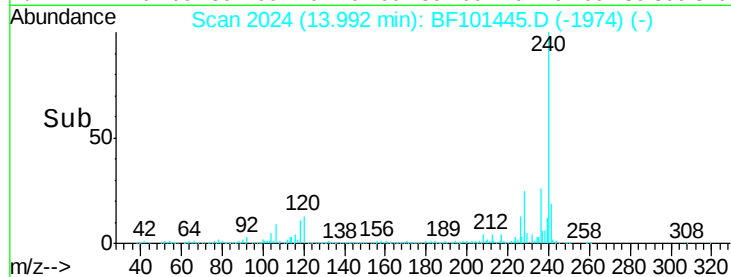
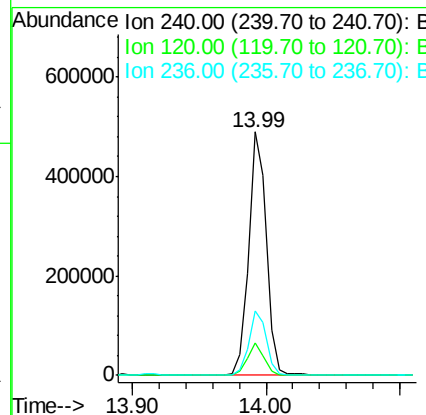
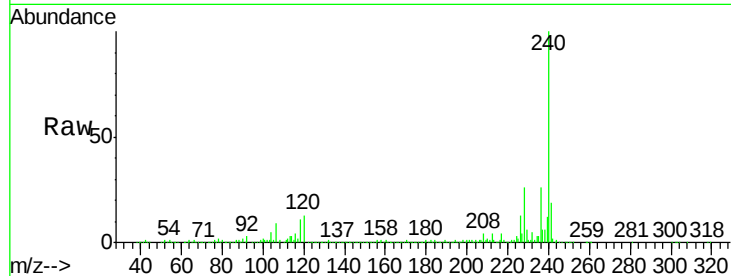
ClientSampleId :

WC-01-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 444119 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.2  | 9.5   | 14.3   |
| 236       | 26.4  | 20.7  | 31.1   |

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#77

Pyrene

Concen: 28.076 ng

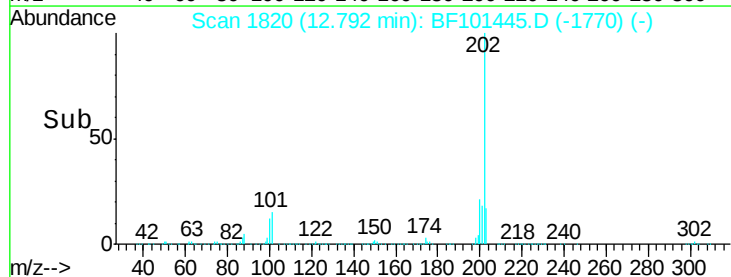
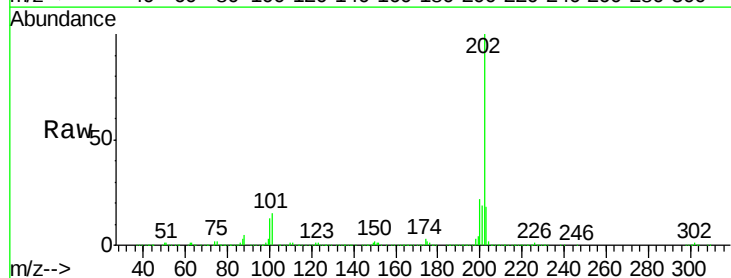
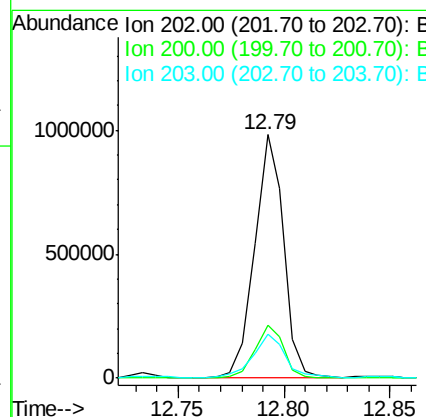
RT: 12.79 min Scan# 1820

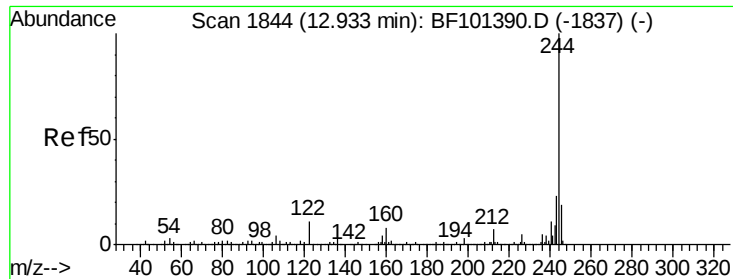
Delta R.T. -0.01 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 935794 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.5  | 17.4  | 26.2   |
| 203       | 18.2  | 14.3  | 21.5   |





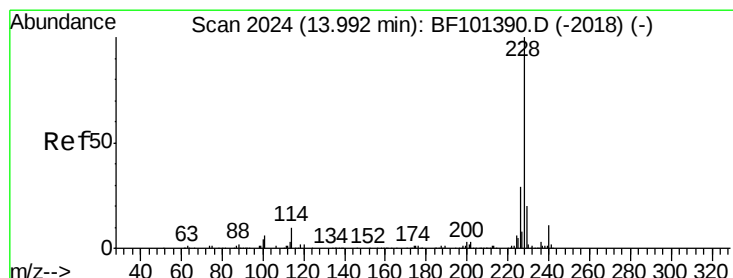
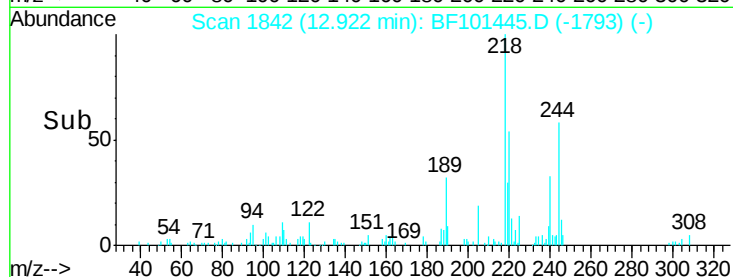
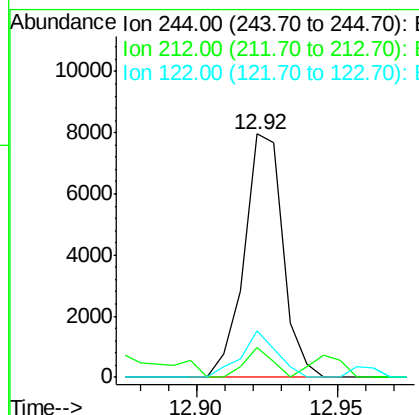
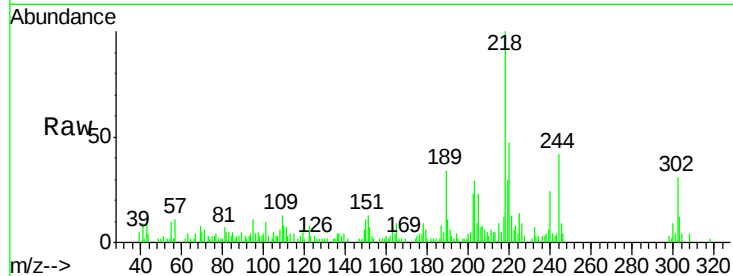
#78  
 Terphenyl-d14  
 Concen: 0.410 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. -0.01 min  
 Lab File: BF101445.D  
 Acq: 15 Dec 2017 16:17

Instrument :  
 BNA\_F  
 ClientSampled :  
 WC-01-01

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 7551 |       |       |
| 212     | 12.0  | 5.4  | 8.0#  |       |
| 122     | 19.2  | 11.0 | 16.4# |       |

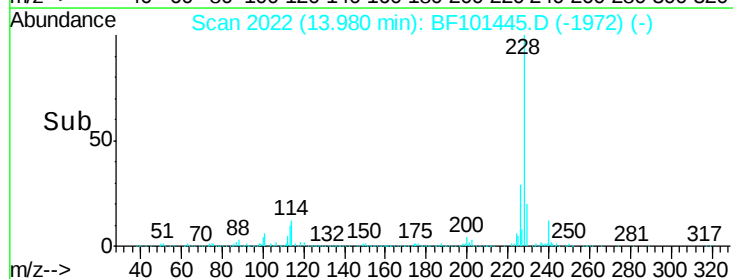
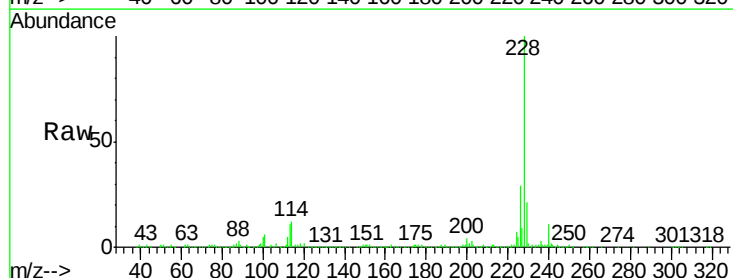
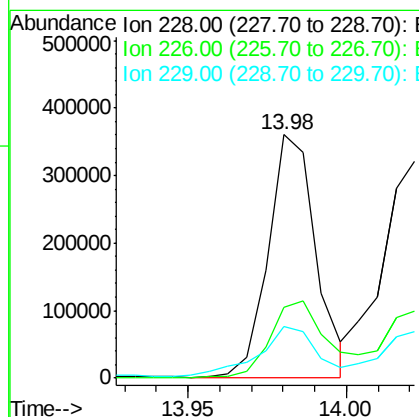
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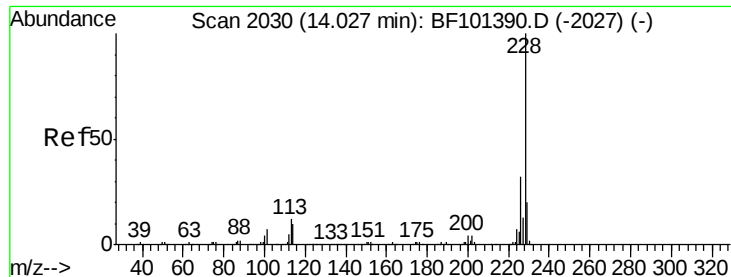
Sohil  
 12/15/2017 7:50:55 PM



#80  
 Benzo(a)anthracene  
 Concen: 12.787 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. -0.01 min  
 Lab File: BF101445.D  
 Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 374977 |       |       |
| 226     | 29.3  | 22.6   | 33.8  |       |
| 229     | 21.1  | 15.8   | 23.6  |       |





#82

Chrysene

Concen: 11.960 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

Instrument :

BNA\_F

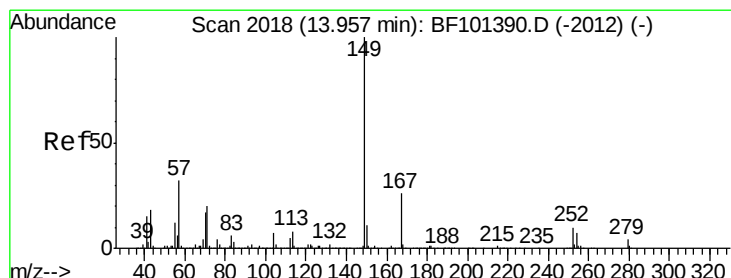
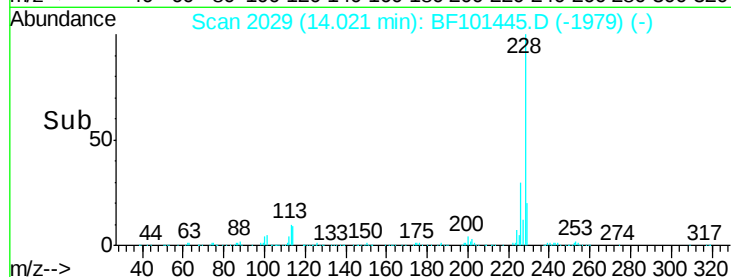
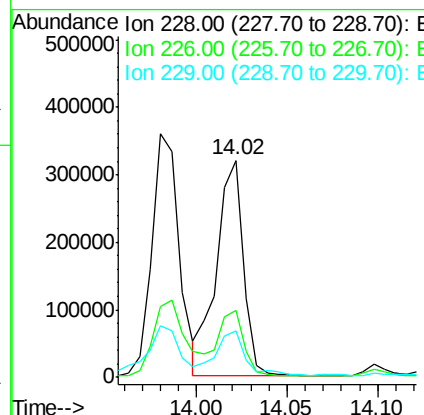
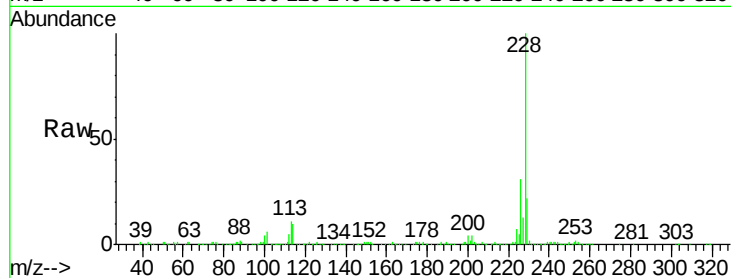
ClientSampled :

WC-01-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 331151 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.7  | 25.0  | 37.6   |
| 229       | 21.6  | 16.2  | 24.4   |

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.616 ng

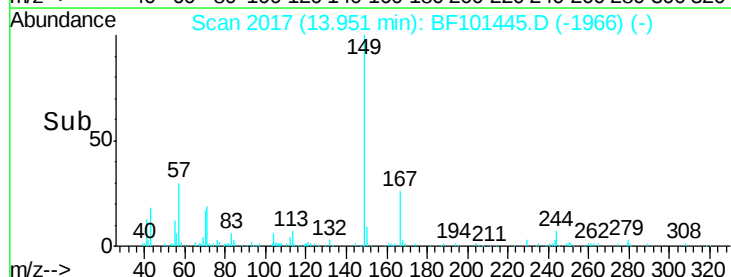
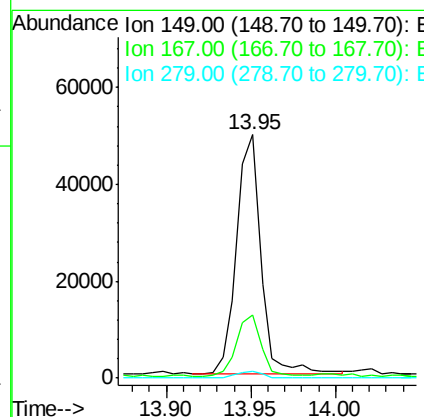
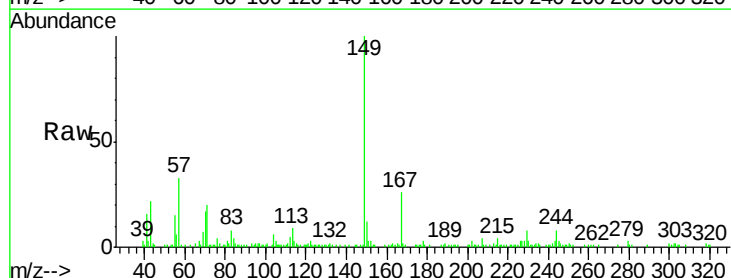
RT: 13.95 min Scan# 2017

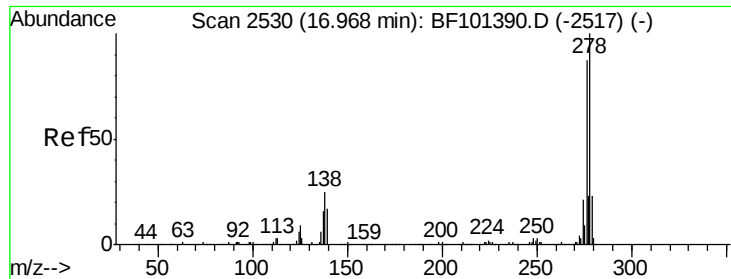
Delta R.T. 0.00 min

Lab File: BF101445.D

Acq: 15 Dec 2017 16:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 49969 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 26.1  | 21.3  | 31.9  |
| 279       | 3.0   | 3.0   | 4.4   |





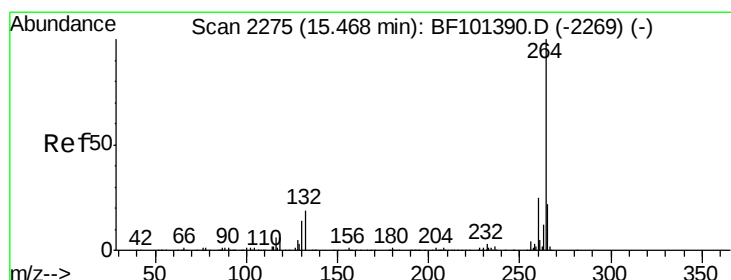
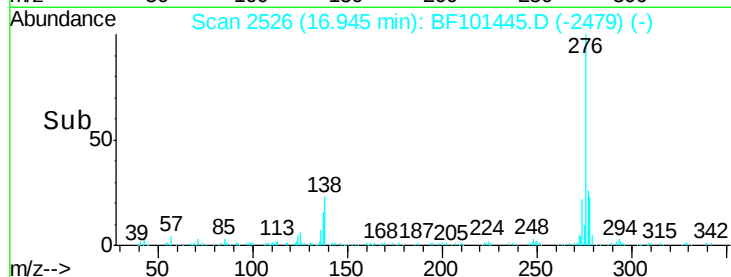
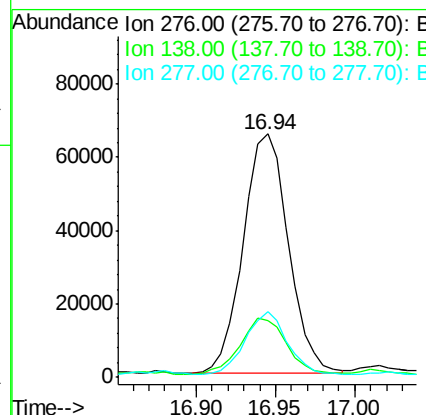
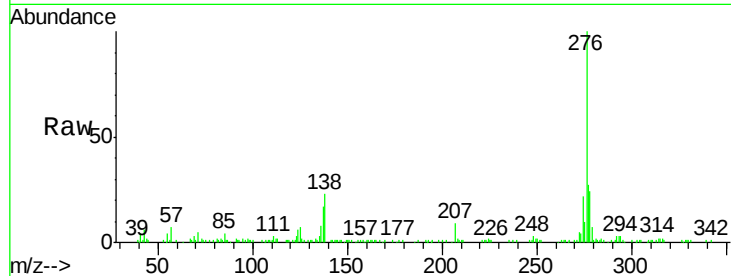
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 5.277 ng  
RT: 16.94 min Scan# 2526  
Delta R.T. -0.02 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 130105 |       |       |
| 138     | 24.8  | 25.0   | 37.6# |       |
| 277     | 24.2  | 20.1   | 30.1  |       |

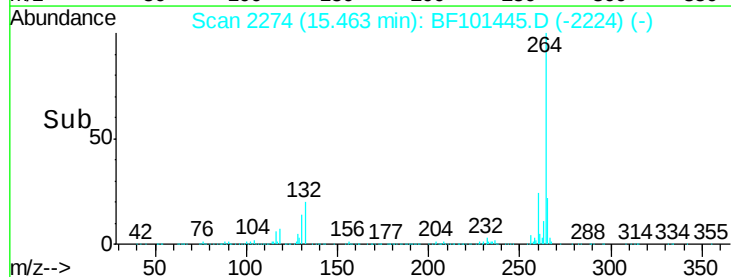
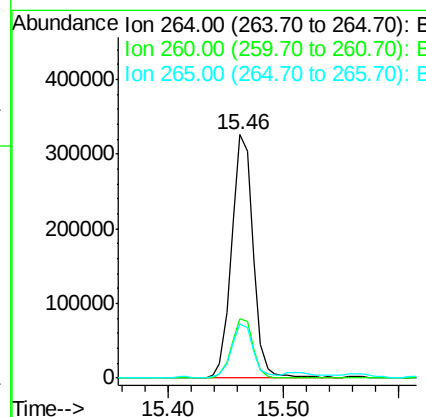
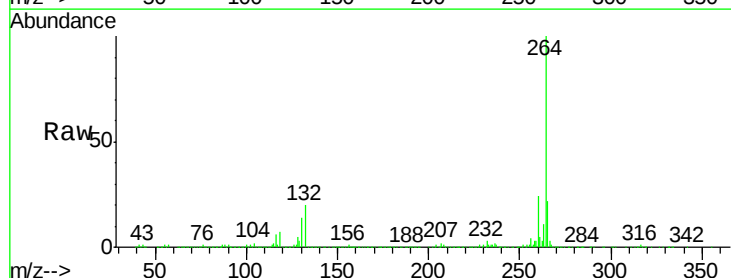
Manual Integrations  
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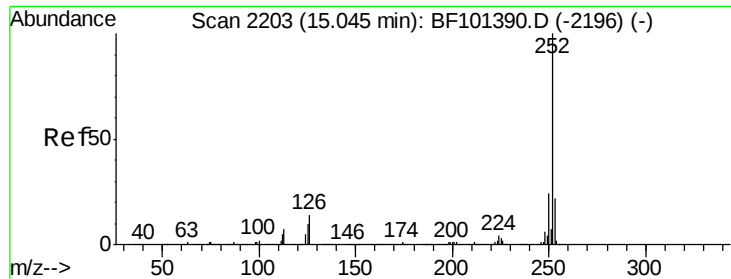
Sohil  
12/15/2017 7:50:55 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 419926 |       |       |
| 260     | 24.3  | 19.2   | 28.8  |       |
| 265     | 22.3  | 17.5   | 26.3  |       |





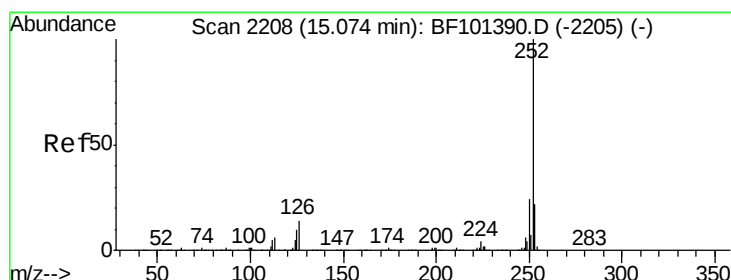
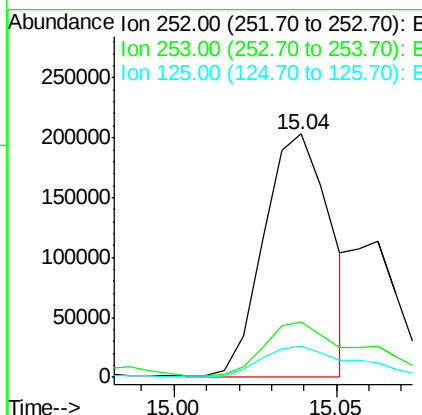
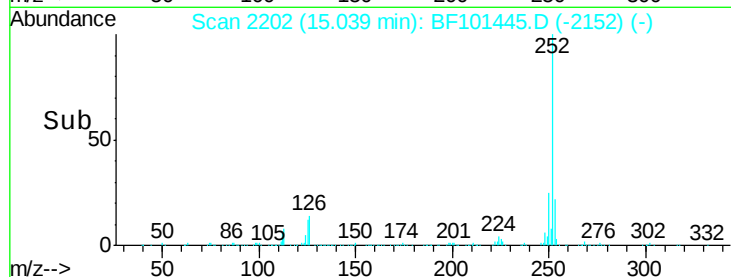
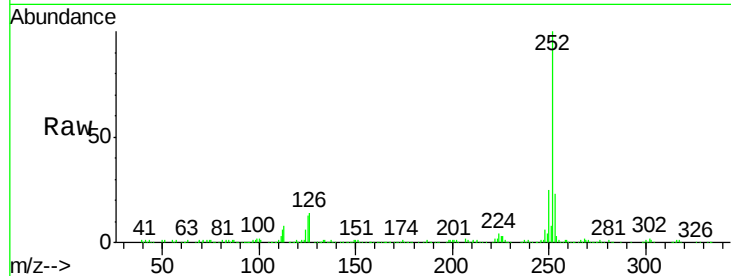
#87  
Benzo(b)fluoranthene  
Concen: 11.223 ng m  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.0  | 25.6  |
| 125     | 12.6  | 9.0   | 13.6  |

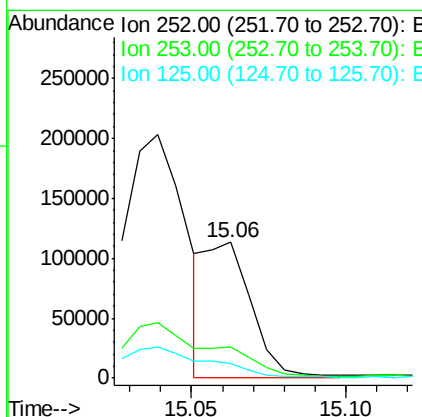
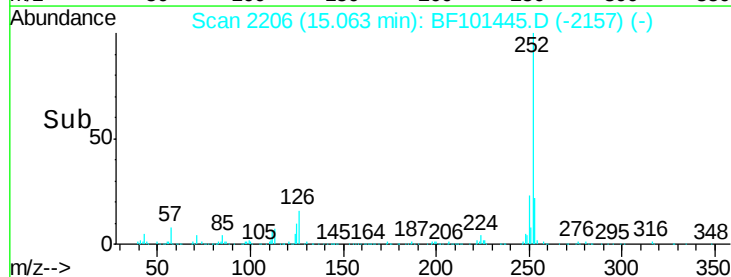
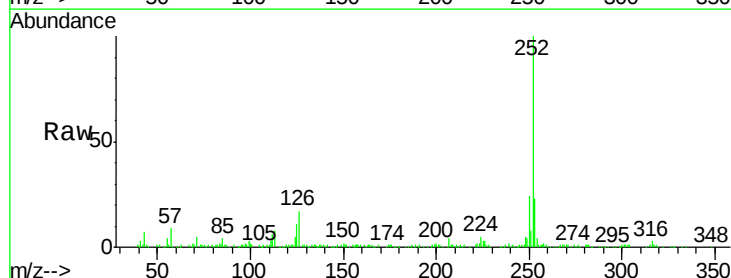
Manual Integrations  
APPROVED

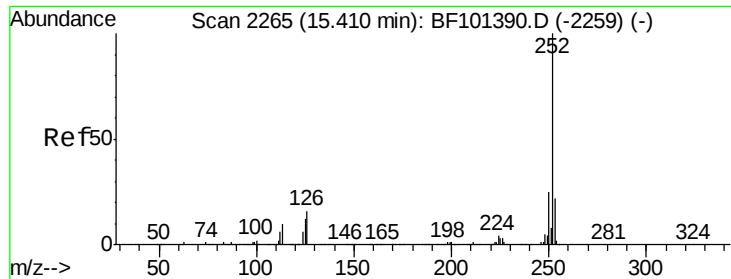
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12/15/2017 7:50:55 PM



#88  
Benzo(k)fluoranthene  
Concen: 4.674 ng m  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.9  | 26.9  |
| 125     | 10.9  | 10.2  | 15.2  |





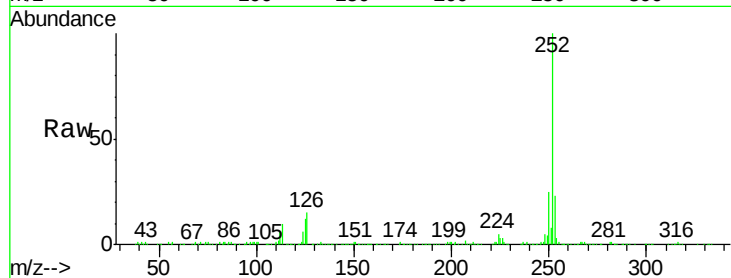
#89  
Benzo(a)pyrene  
Concen: 11.139 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

Instrument :  
BNA\_F  
ClientSampleId :  
WC-01-01

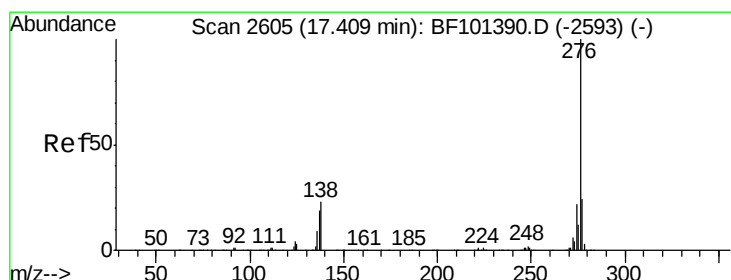
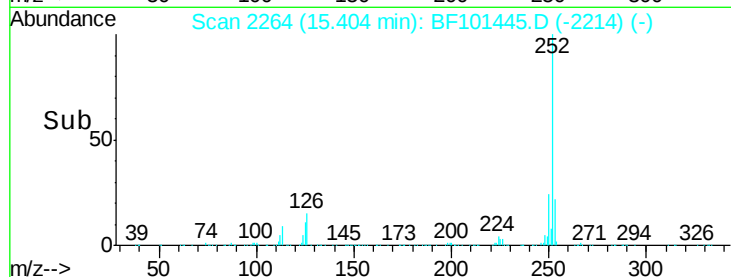
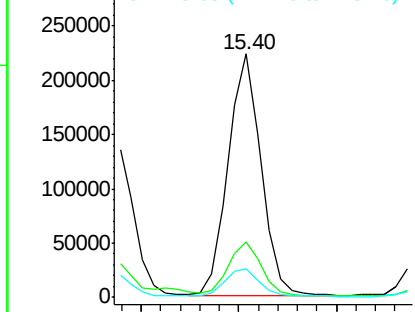
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 22.8  | 17.1       | 25.7       |
| 125     | 11.6  | 9.8        | 14.6       |

Manual Integrations  
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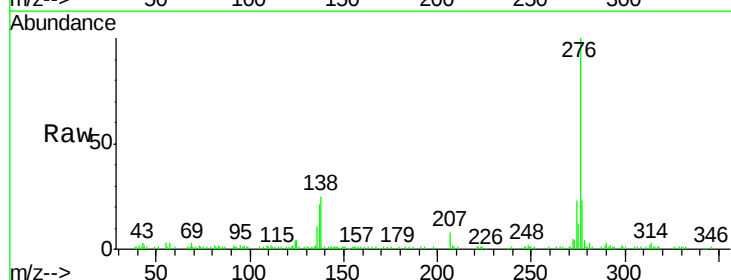


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 6.414 ng  
RT: 17.39 min Scan# 2602  
Delta R.T. -0.01 min  
Lab File: BF101445.D  
Acq: 15 Dec 2017 16:17

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 22.9  | 17.9       | 26.9       |
| 138     | 24.8  | 21.8       | 32.8       |



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

