

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\  
 Data File : BF108274.D  
 Acq On : 18 Aug 2018 5:58  
 Operator : JU/SJ  
 Sample : J4510-01  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-WC4-UST-0818

Manual Integrations  
 APPROVED

Sohil  
 8/20/2018 12:48:48 PM

Quant Time: Aug 18 06:59:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00     | ng    | -7.01    |
| 21) Naphthalene-d8             | 8.31  | 136  | 13264    | 20.00    | ng    | 0.01     |
| 38) Acenaphthene-d10           | 10.06 | 164  | 189256   | 20.00    | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.56 | 188  | 325827   | 20.00    | ng    | 0.00     |
| 75) Chrysene-d12               | 14.21 | 240  | 326650   | 20.00    | ng    | 0.00     |
| 86) Perylene-d12               | 15.78 | 264  | 205406   | 20.00    | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |          |       |          |
| 5) 2-Fluorophenol              | 5.65  | 112  | 563680   | 0.00     | ng    | 0.02     |
| 7) Phenol-d6                   | 6.67  | 99   | 669185   | 0.00     | ng    | 0.04     |
| 23) Nitrobenzene-d5            | 7.64  | 82   | 496387   | 2088.29  | ng    | 0.06     |
| 41) 2,4,6-Tribromophenol       | 10.85 | 330  | 194370   | 102.96   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.37  | 172  | 1035815  | 87.87    | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.15 | 244  | 976809   | 76.03    | ng    | 0.00     |
| Target Compounds               |       |      |          |          |       |          |
| 22) Acetophenone               | 7.44  | 105  | 1632518  | 5263.697 | ng    | # 45     |
| 24) Nitrobenzene               | 7.58  | 77   | 380437   | 1582.744 | ng    | # 44     |
| 25) Isophorone                 | 7.86  | 82   | 334271   | 737.798  | ng    | # 1      |
| 26) 2-Nitrophenol              | 7.92  | 139  | 54929    | 605.123  | ng    | # 1      |
| 27) 2,4-Dimethylphenol         | 7.94  | 122  | 11001    | 54.709   | ng    | # 36     |
| 28) bis(2-Chloroethoxy)methane | 8.05  | 93   | 59055    | 223.280  | ng    | # 1      |
| 29) 2,4-Dichlorophenol         | 8.20  | 162  | 50895    | 275.033  | ng    | # 26     |
| 30) 1,2,4-Trichlorobenzene     | 8.25  | 180  | 5746     | 28.163   | ng    | # 49     |
| 31) Naphthalene                | 8.34  | 128  | 243739   | 404.064  | ng    | # 1      |
| 32) Benzoic acid               | 8.05  | 122  | 76307    | 578.523  | ng    | # 1      |
| 33) 4-Chloroaniline            | 8.38  | 127  | 394007   | 1498.812 | ng    | # 35     |
| 35) Caprolactam                | 8.74  | 113  | 2053     | 35.403   | ng    | # 1      |
| 36) 4-Chloro-3-methylphenol    | 8.86  | 107  | 2775     | 13.901   | ng    | # 42     |
| 37) 2-Methylnaphthalene        | 9.02  | 142  | 189327   | 443.613  | ng    | 98       |
| 49) Dimethylphthalate          | 9.76  | 163  | 91678    | 6.954    | ng    | # 99     |
| 70) Phenanthrene               | 11.58 | 178  | 35949    | 2.339    | ng    | 97       |
| 73) Di-n-butylphthalate        | 12.10 | 149  | 56705    | 3.577    | ng    | # 98     |
| 74) Fluoranthene               | 12.78 | 202  | 54339    | 3.240    | ng    | 96       |
| 77) Pvrene                     | 13.01 | 202  | 57533    | 2.782    | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.61 | 149  | 22984    | 2.799    | ng    | # 80     |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149  | 377710   | 33.966   | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 15.31 | 252  | 31900m   | 2.599    | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.31 | 252  | 37453    | 3.320    | ng    | # 84     |

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

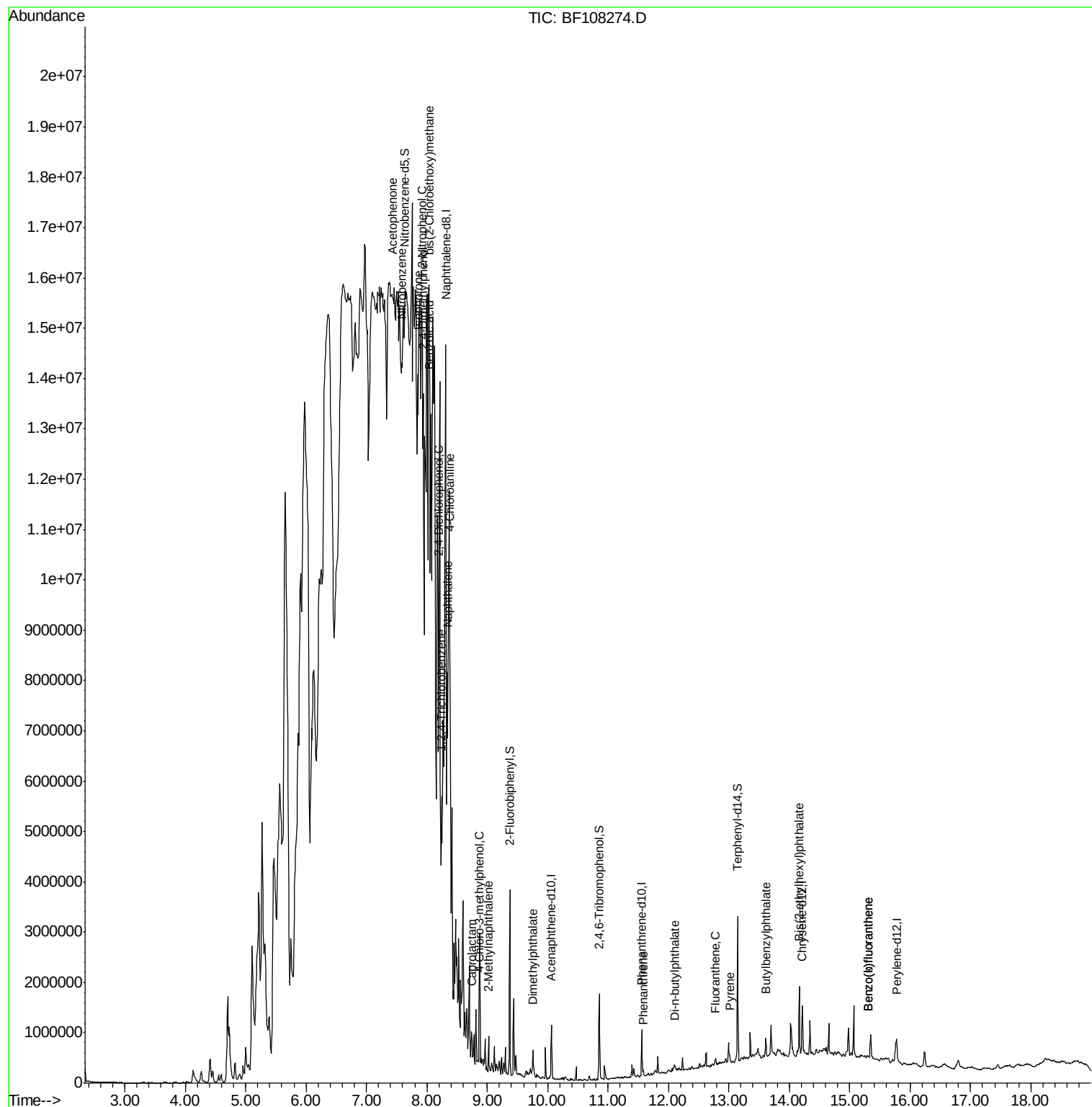
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\  
Data File : BF108274.D  
Acq On : 18 Aug 2018 5:58  
Operator : JU/SJ  
Sample : J4510-01  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

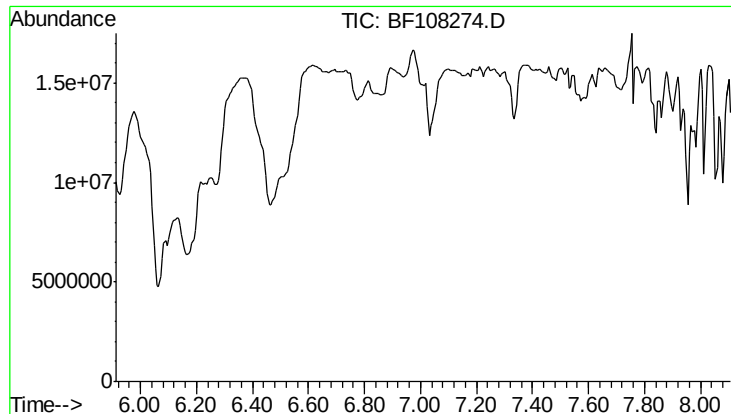
Instrument :  
BNA\_F  
ClientSampleId :  
EP1-WC4-UST-0818

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8/20/2018 12:48:48 PM

Quant Time: Aug 18 06:59:31 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 08 12:24:24 2018  
Response via : Initial Calibration





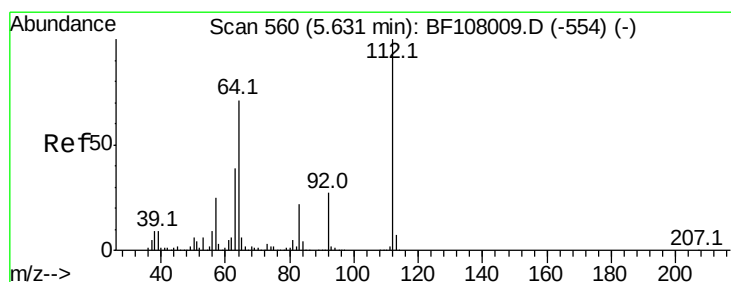
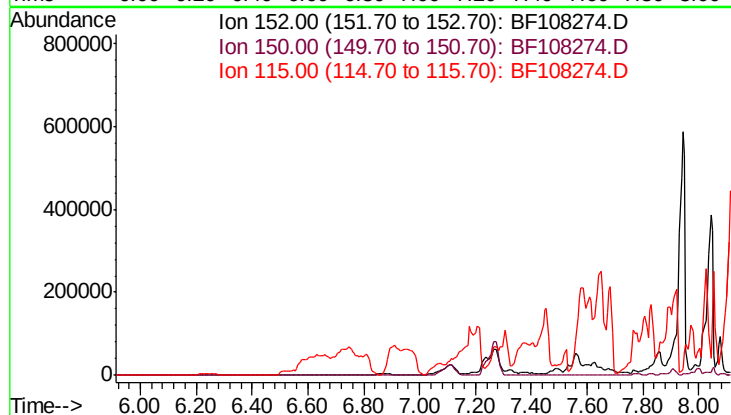
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ng  
 Expected RT: 7.01 min  
 Lab File: BF108274.D  
 Acq: 18 Aug 2018 5:58

| Tot Ion | 152       |
|---------|-----------|
| Sig     | Exp Ratio |
| 152     | 100       |
| 150     | 155.7     |
| 115     | 62.6      |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-WC4-UST-0818

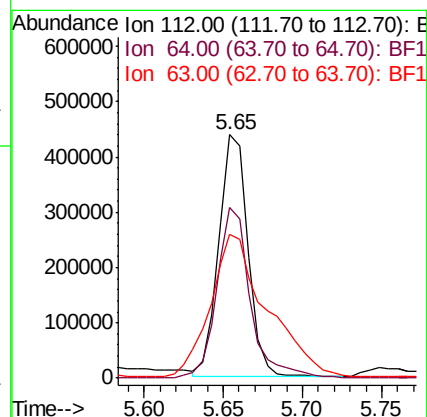
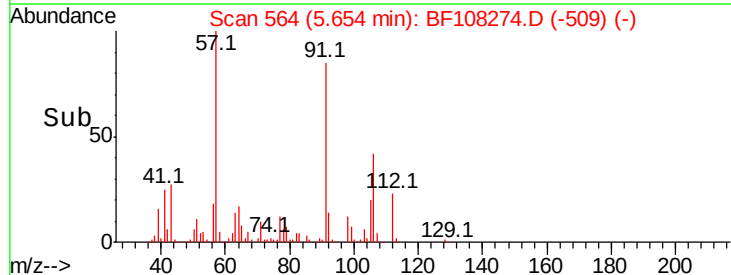
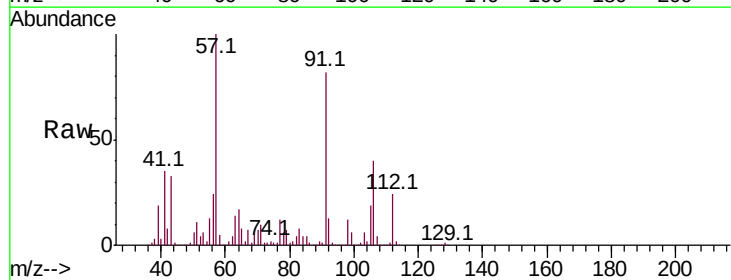
Manual Integrations  
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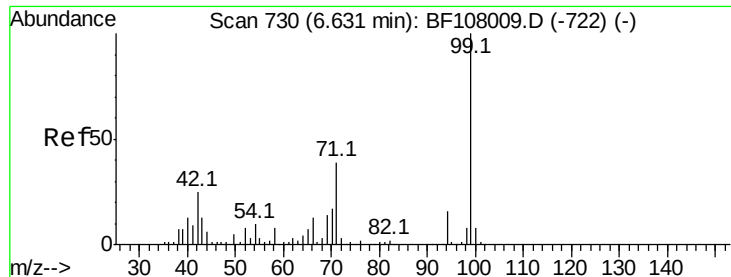
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#5  
 2-Fluorophenol  
 Concen: 0.000 ng  
 RT: 5.65 min Scan# 564  
 Delta R.T. 0.02 min  
 Lab File: BF108274.D  
 Acq: 18 Aug 2018 5:58

| Tgt Ion   | 112   | Resp  | 563680 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 70.3  | 47.9  | 71.9   |
| 63        | 59.0  | 23.7  | 35.5#  |





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.67 min Scan# 736

Delta R.T. 0.04 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

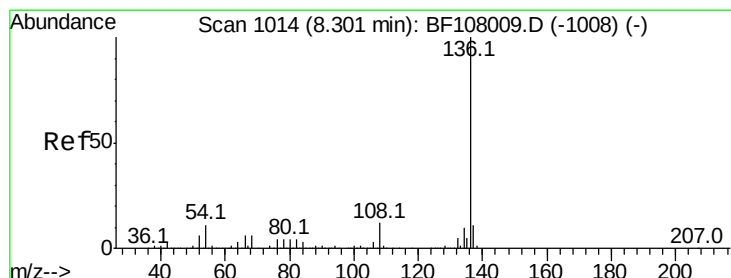
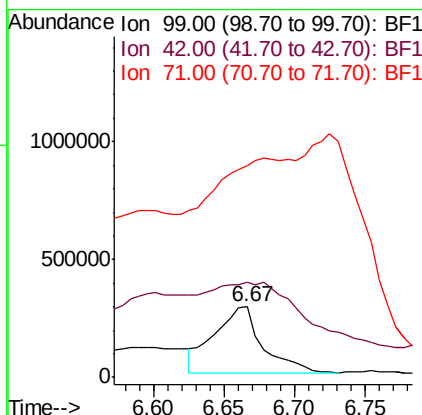
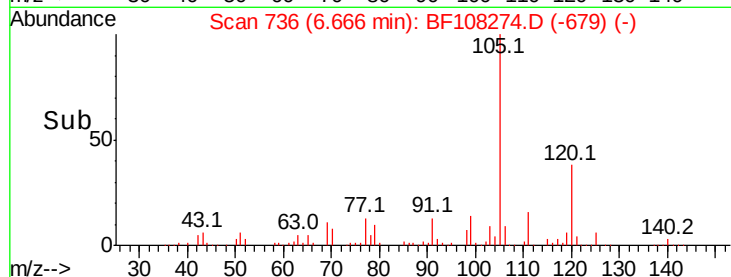
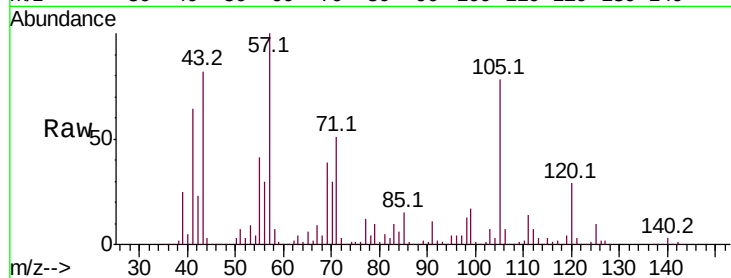
ClientSampleId :

EP1-WC4-UST-0818

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 99      | 100   |       | 669185 |       |       |
| 42      | 134.2 | 14.5  | 21.7#  |       |       |
| 71      | 299.2 | 25.4  | 38.0#  |       |       |

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#21

Naphthalene-d8

Concen: 20.000 ng

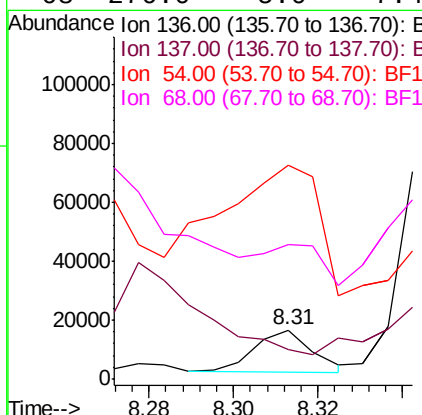
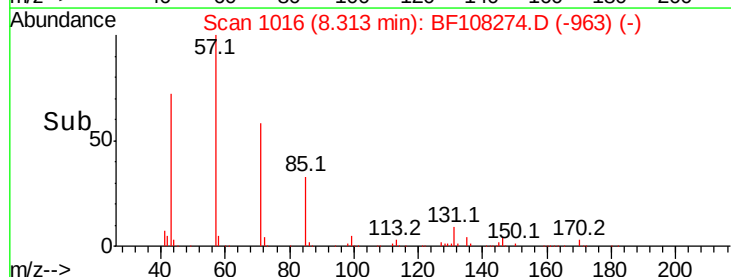
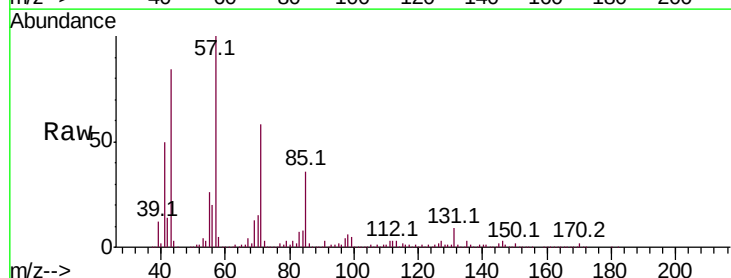
RT: 8.31 min Scan# 1016

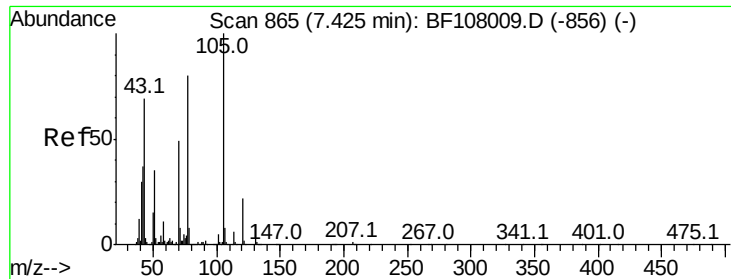
Delta R.T. 0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 136     | 100   |       | 13264 |       |       |
| 137     | 59.6  | 8.9   | 13.3# |       |       |
| 54      | 437.5 | 6.6   | 9.8#  |       |       |
| 68      | 276.0 | 5.0   | 7.4#  |       |       |





#22

Acetophenone

Concen: 5263.697 ng

RT: 7.44 min Scan# 868

Delta R.T. 0.02 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion:105 Resp: 1632518

Ion Ratio Lower Upper

105 100

71 129.1 4.4 6.6#

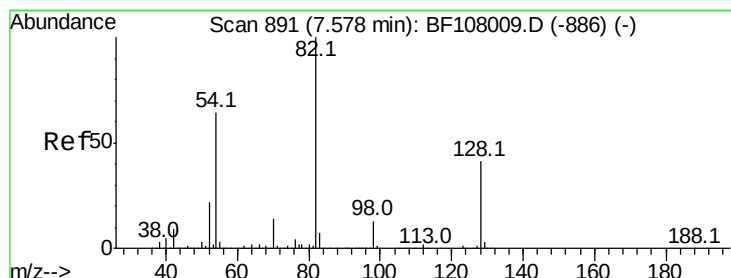
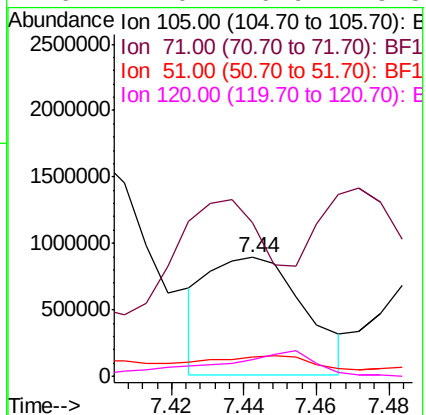
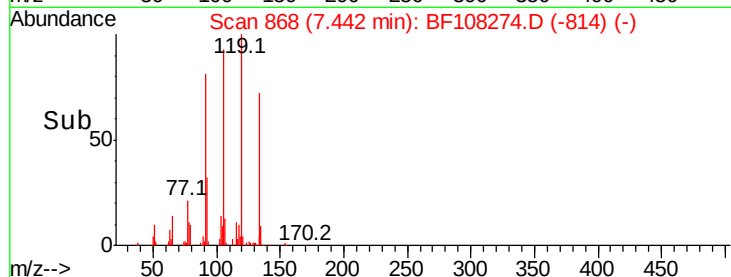
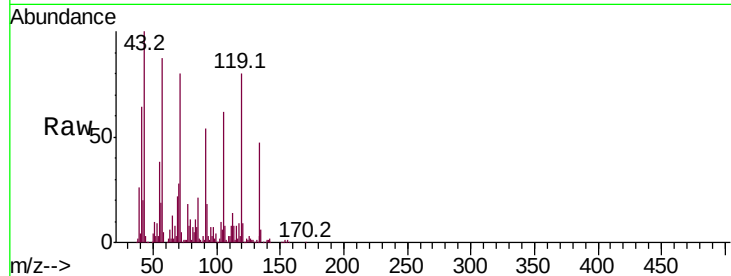
51 15.9 22.3 33.5#

120 14.0 16.9 25.3#

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#23

Nitrobenzene-d5

Concen: 2088.293 ng

RT: 7.64 min Scan# 901

Delta R.T. 0.06 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

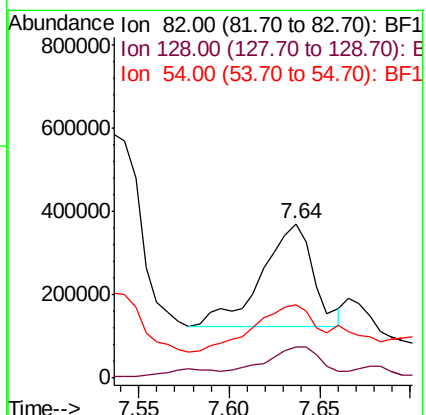
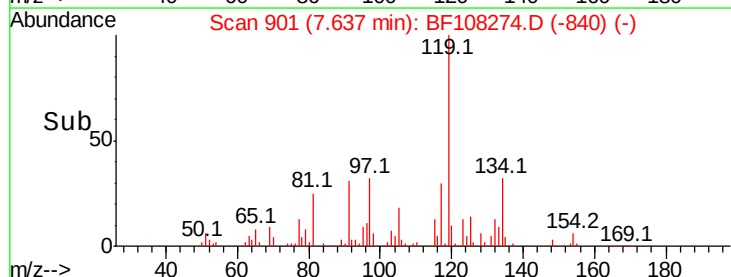
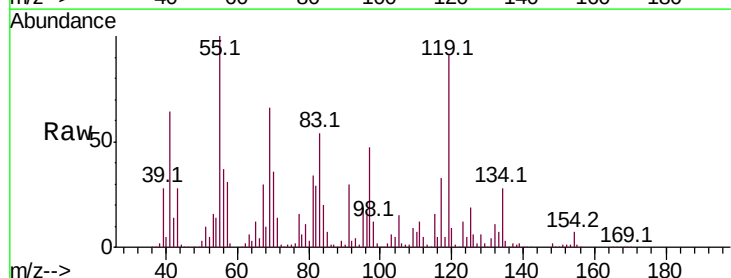
Tgt Ion: 82 Resp: 496387

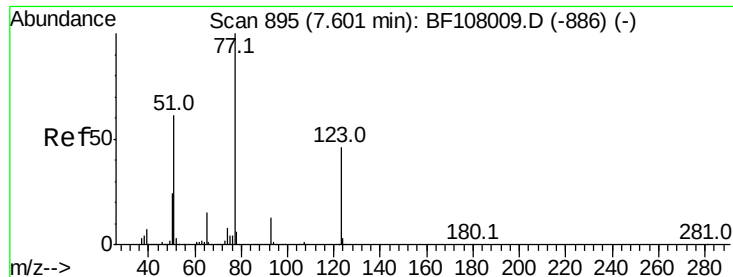
Ion Ratio Lower Upper

82 100

128 19.8 36.1 54.1#

54 47.6 41.4 62.2





#24

Nitrobenzene

Concen: 1582.744 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion: 77 Resp: 380437

Ion Ratio Lower Upper

77 100

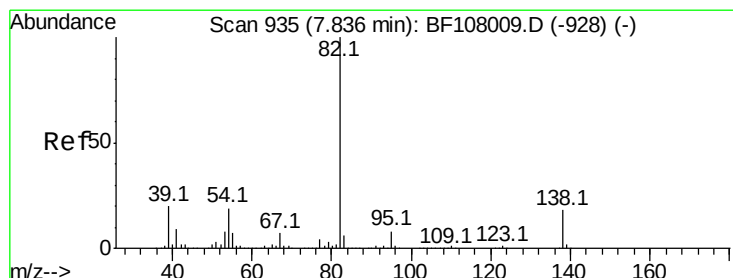
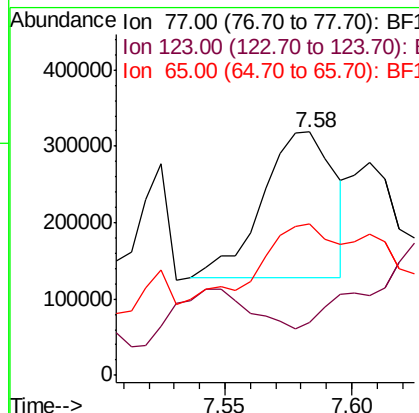
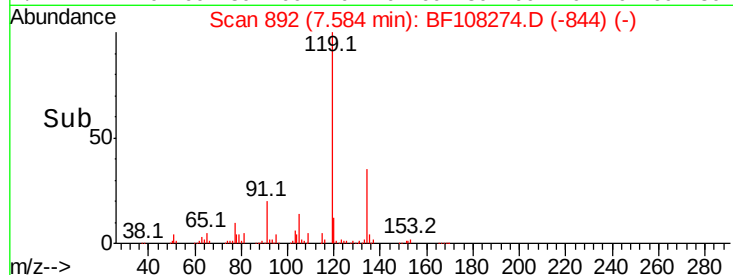
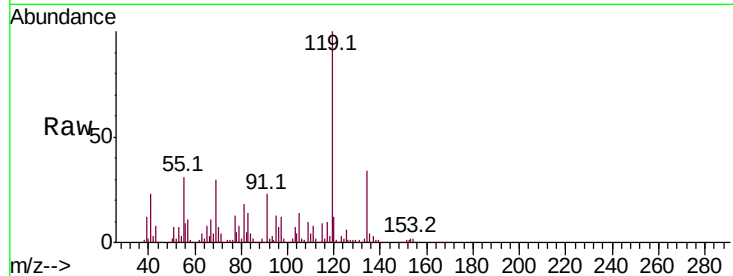
123 21.8 37.9 56.9#

65 62.1 11.0 16.4#

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#25

Isophorone

Concen: 737.798 ng

RT: 7.86 min Scan# 939

Delta R.T. 0.02 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

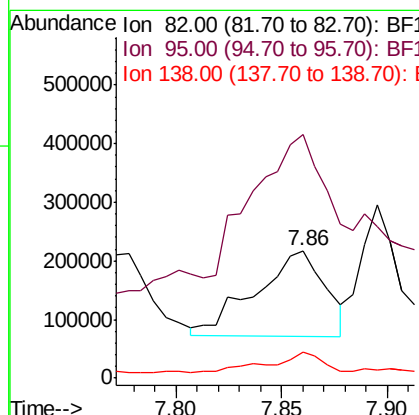
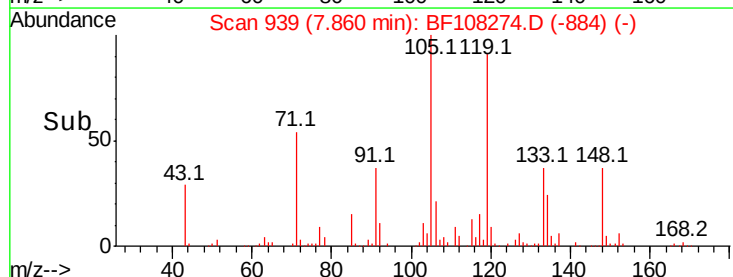
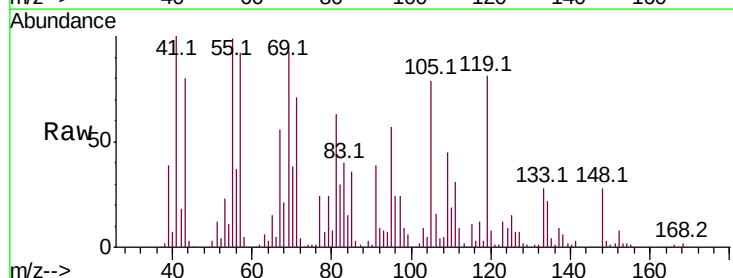
Tgt Ion: 82 Resp: 334271

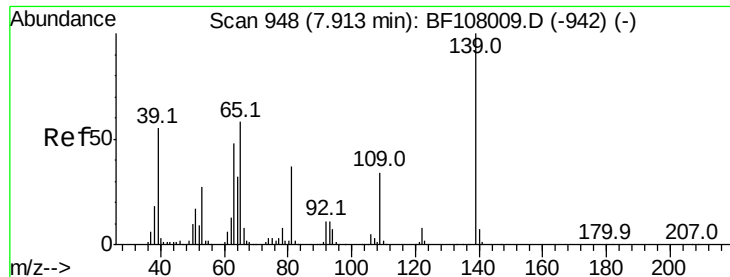
Ion Ratio Lower Upper

82 100

95 191.2 5.2 7.8#

138 20.8 14.9 22.3





#26

2-Nitrophenol

Concen: 605.123 ng

RT: 7.92 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

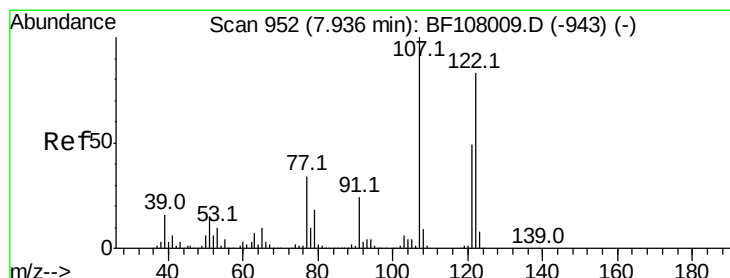
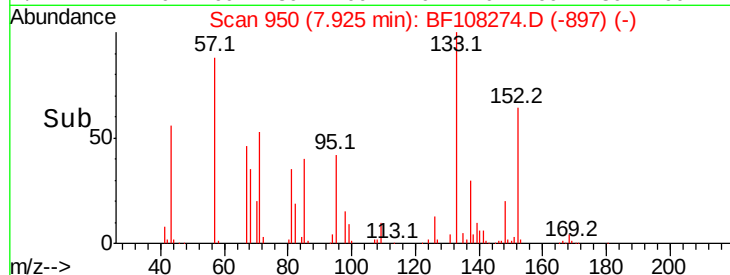
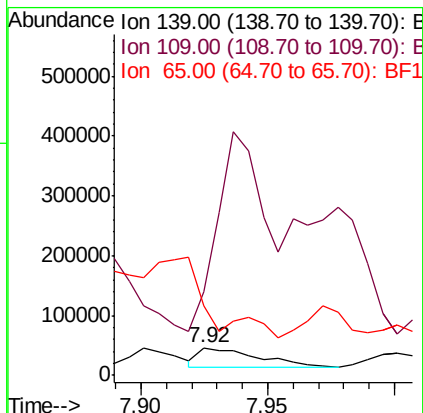
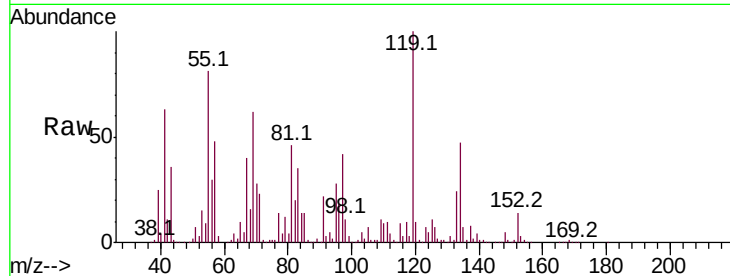
ClientSampleId :

EP1-WC4-UST-0818

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 139   | Resp: | 54929 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 305.8 | 22.7  | 34.1# |
| 65        | 255.9 | 40.5  | 60.7# |

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#27

2,4-Dimethylphenol

Concen: 54.709 ng

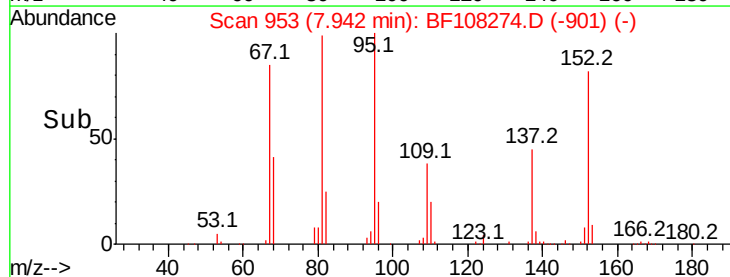
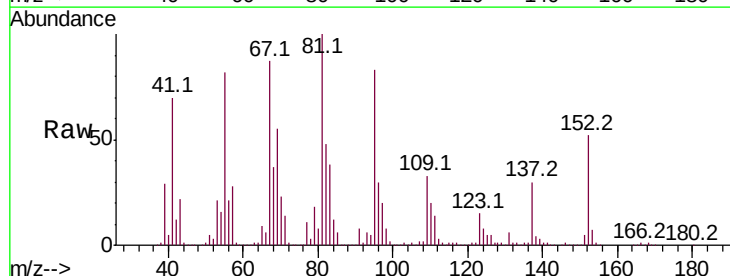
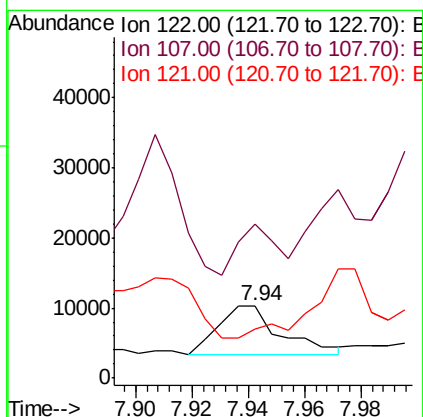
RT: 7.94 min Scan# 953

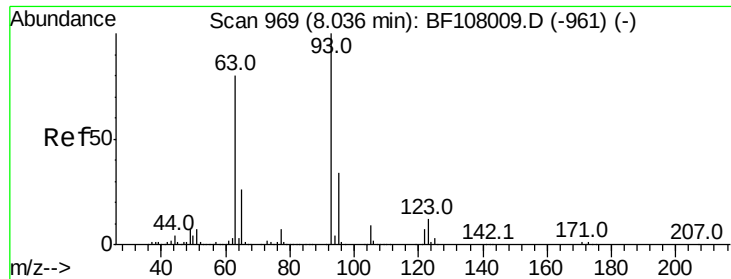
Delta R.T. 0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 11001  |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 212.1 | 91.2  | 136.8# |
| 121       | 68.3  | 47.2  | 70.8   |





#28

bis(2-Chloroethoxy)methane

Concen: 223.280 ng

RT: 8.05 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

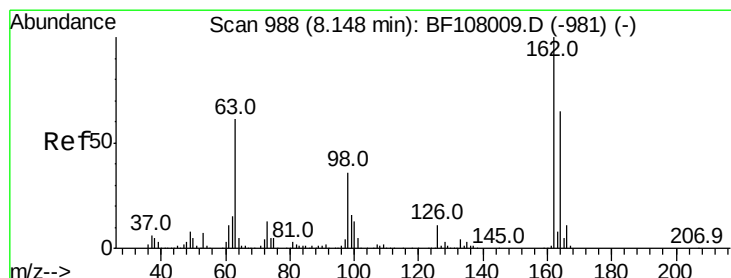
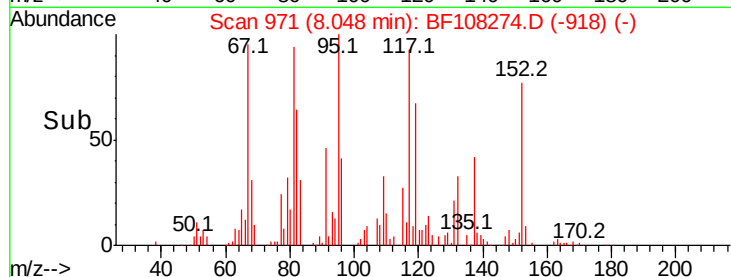
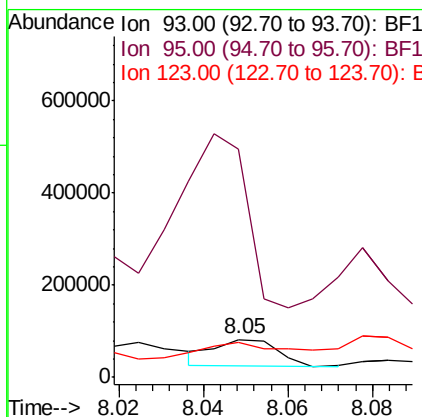
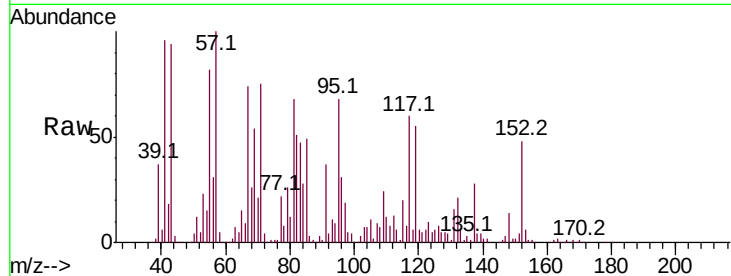
ClientSampleId :

EP1-WC4-UST-0818

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 95      | 602.9 | 26.3 | 39.5# |       |
| 123     | 92.5  | 9.8  | 14.6# |       |

Manual Integrations  
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#29

2,4-Dichlorophenol

Concen: 275.033 ng

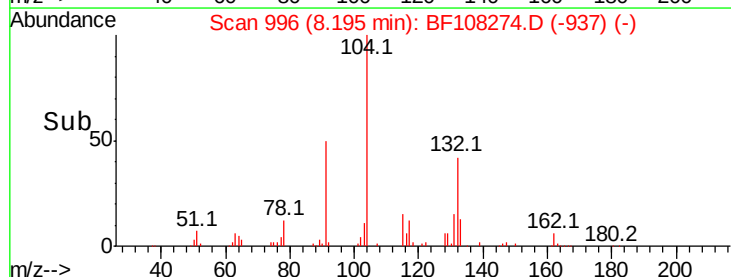
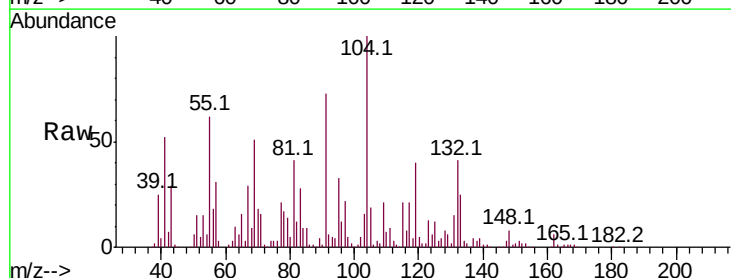
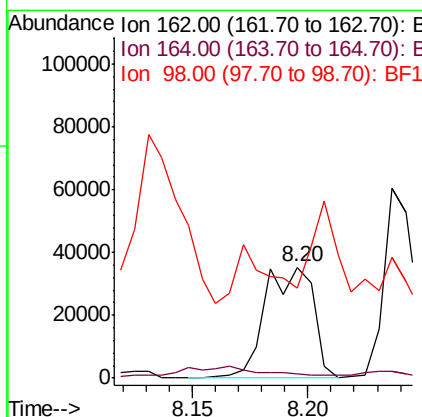
RT: 8.20 min Scan# 996

Delta R.T. 0.05 min

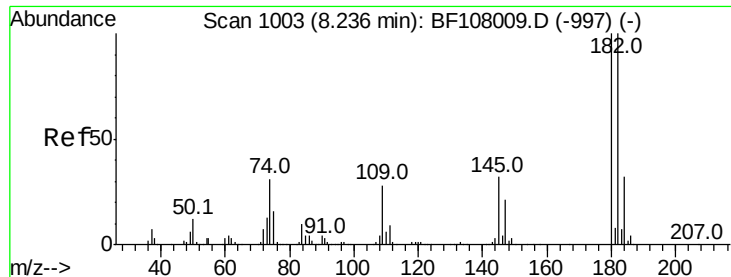
Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 164     | 4.0   | 42.7 | 82.7# |       |
| 98      | 81.4  | 18.1 | 58.1# |       |







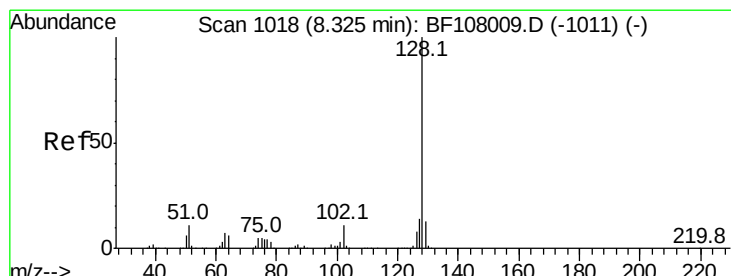
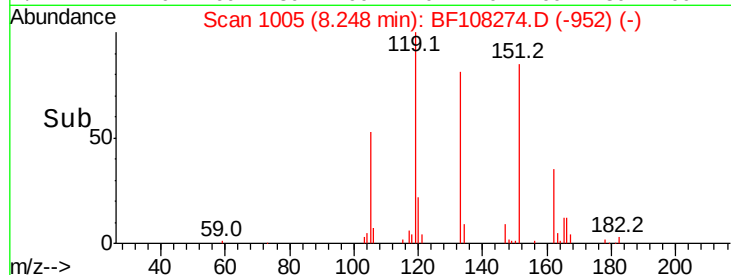
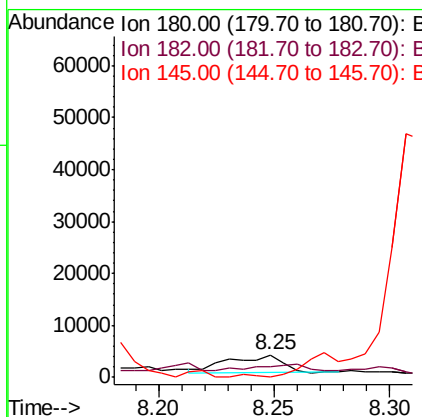
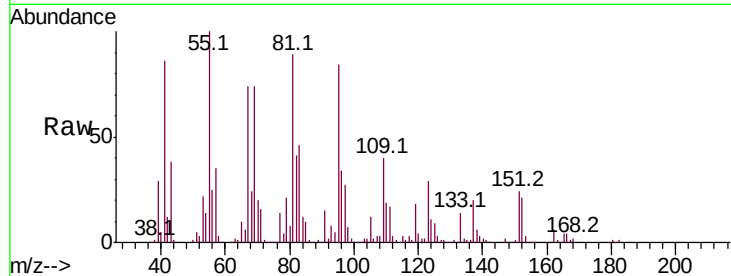
#30  
1,2,4-Trichlorobenzene  
Concen: 28.163 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. 0.01 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-WC4-UST-0818

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 48.9  | 76.8  | 115.2# |
| 145     | 0.0   | 26.5  | 39.7#  |

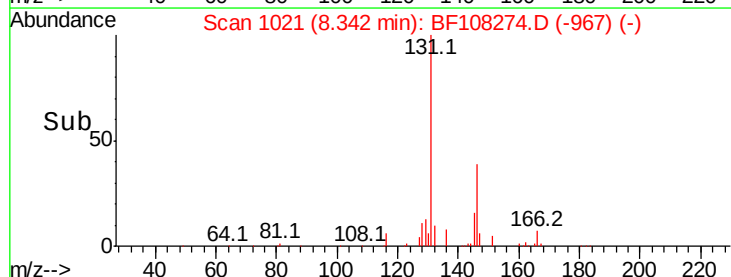
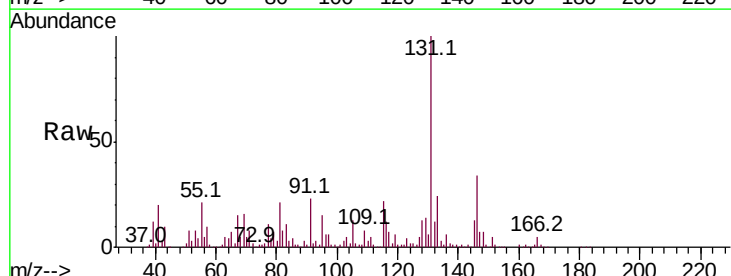
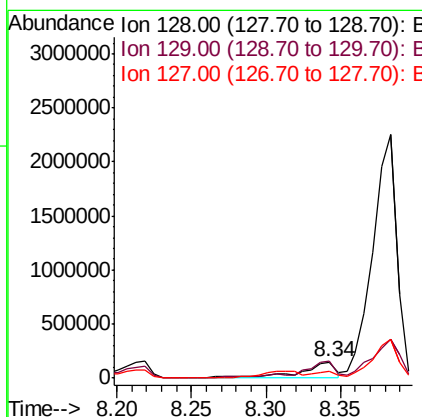
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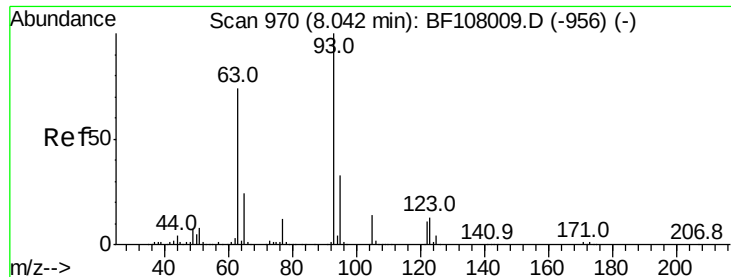
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#31  
Naphthalene  
Concen: 404.064 ng  
RT: 8.34 min Scan# 1021  
Delta R.T. 0.02 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 106.8 | 8.8   | 13.2# |
| 127     | 40.4  | 10.9  | 16.3# |





#32

Benzoic acid

Concen: 578.523 ng

RT: 8.05 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

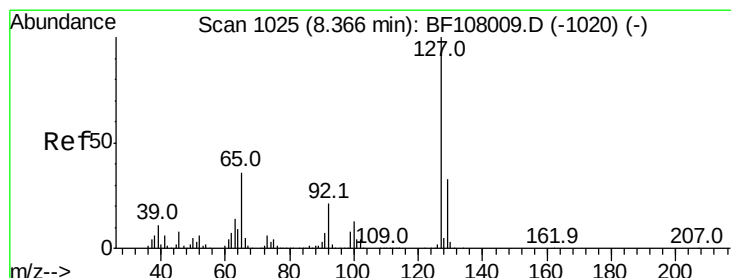
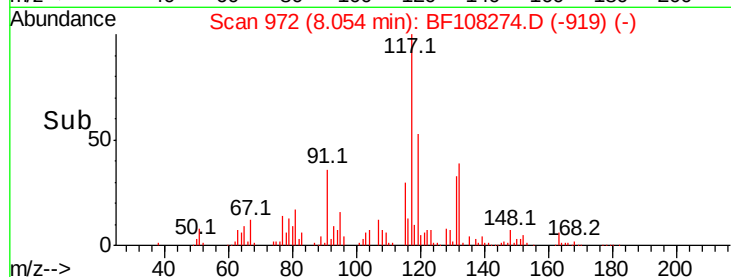
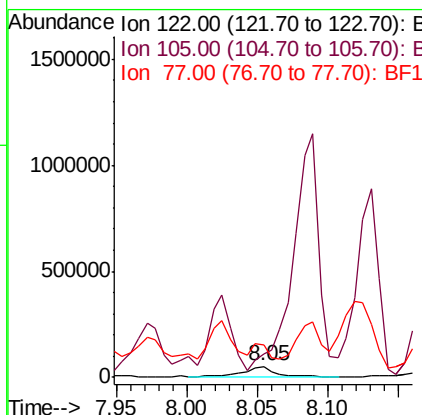
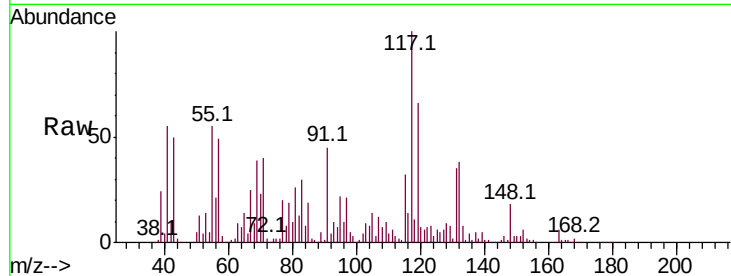
ClientSampleId :

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 76307  |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 207.5 | 101.1 | 141.1# |
| 77        | 291.9 | 70.7  | 110.7# |

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#33

4-Chloroaniline

Concen: 1498.812 ng

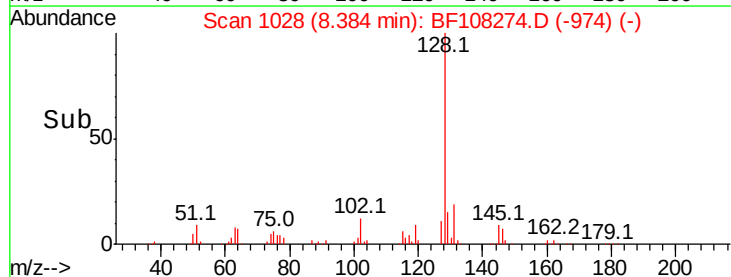
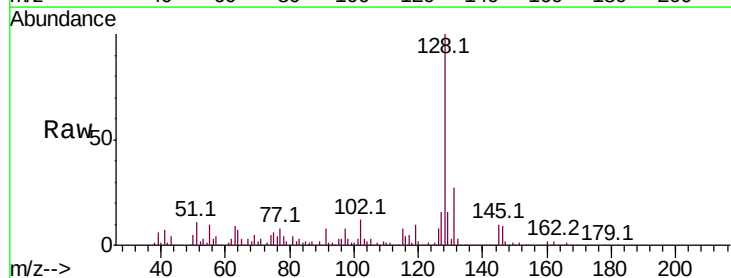
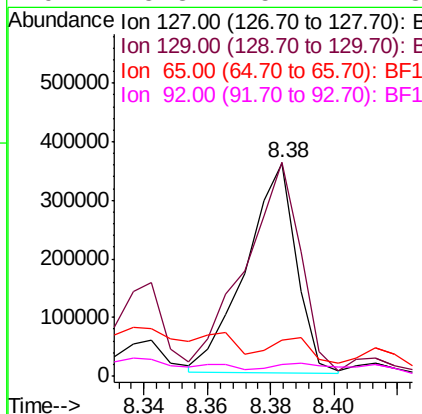
RT: 8.38 min Scan# 1028

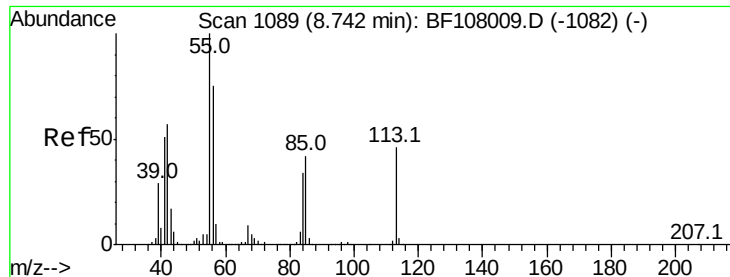
Delta R.T. 0.02 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 394007 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 100.4 | 25.9  | 38.9#  |
| 65        | 16.6  | 25.0  | 37.4#  |
| 92        | 5.3   | 15.2  | 22.8#  |





#35

Caprolactam

Concen: 35.403 ng

RT: 8.74 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion:113 Resp: 2053

Ion Ratio Lower Upper

113 100

55 2510.5 163.3 203.3

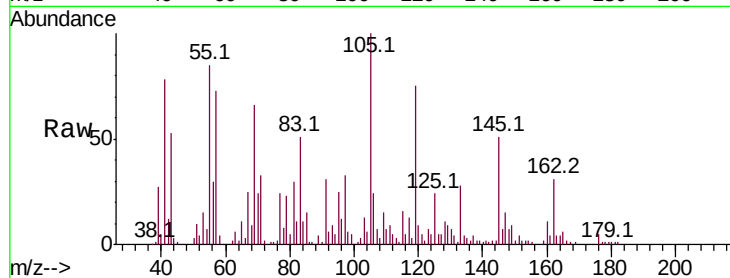
56 903.7 115.7 155.7#

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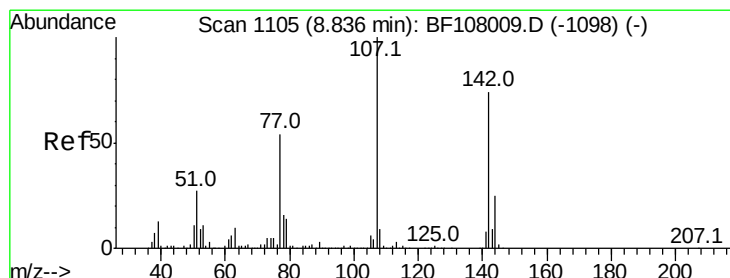
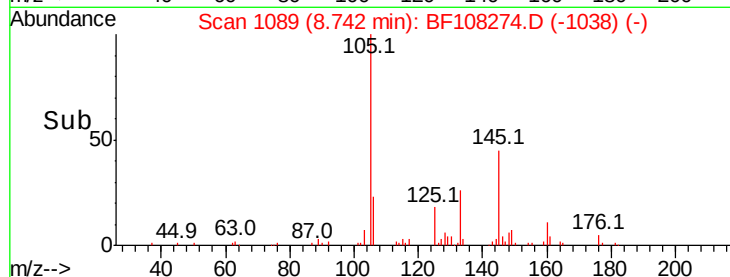
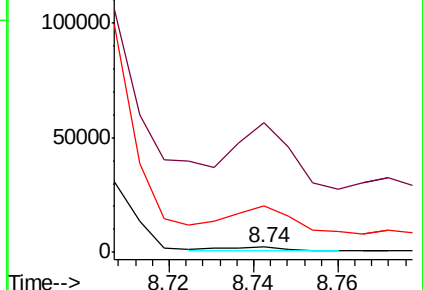
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 13.901 ng

RT: 8.86 min Scan# 1109

Delta R.T. 0.02 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

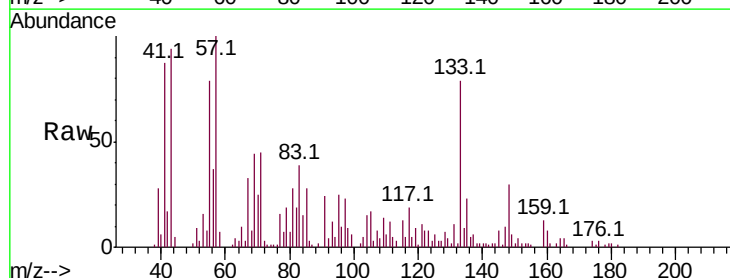
Tgt Ion:107 Resp: 2775

Ion Ratio Lower Upper

107 100

144 25.9 20.5 30.7

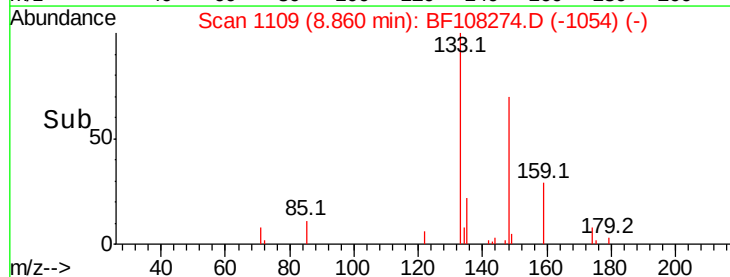
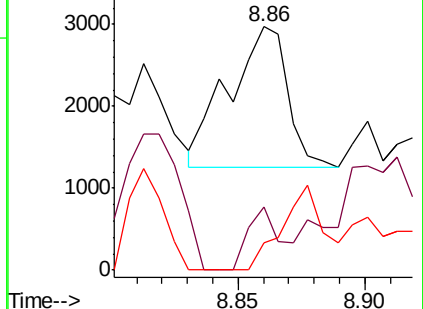
142 11.1 62.0 93.0#

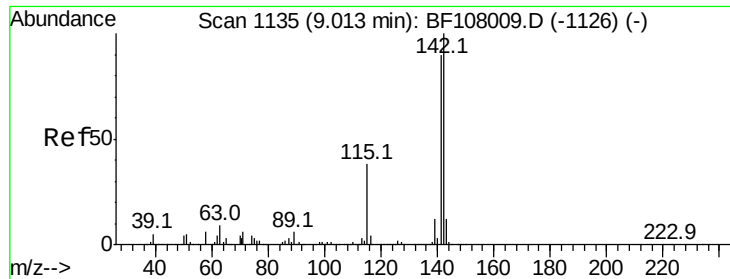


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





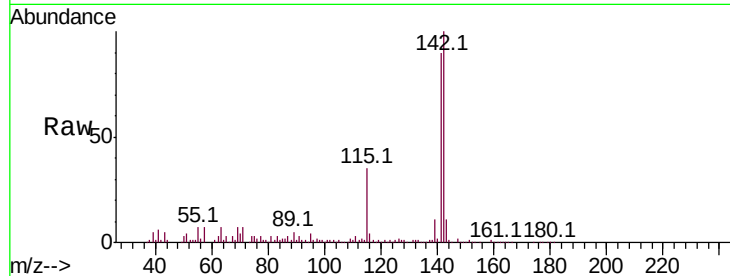
#37  
2-Methylnaphthalene  
Concen: 443.613 ng  
RT: 9.02 min Scan# 1137  
Delta R.T. 0.01 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-WC4-UST-0818

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 70.8  | 106.2 |
| 115     | 34.6  | 26.1  | 39.1  |

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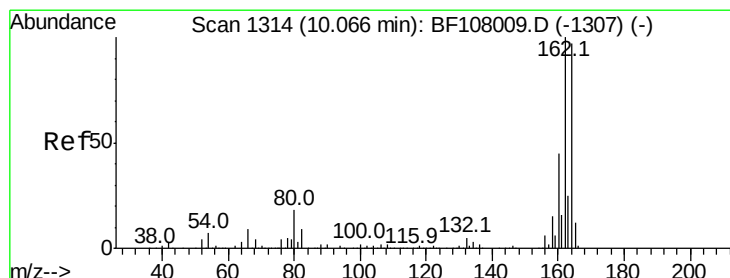
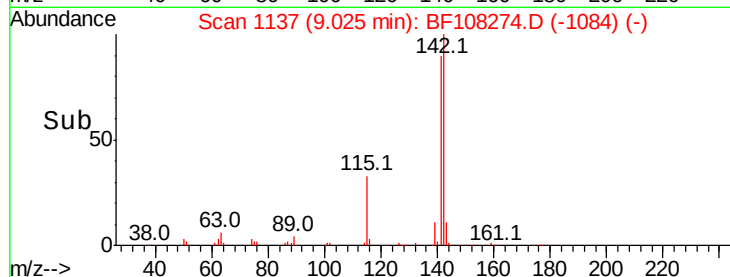
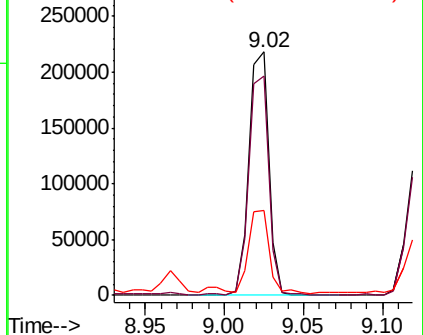


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.06 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

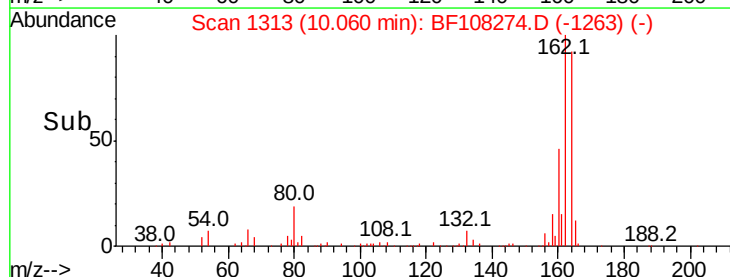
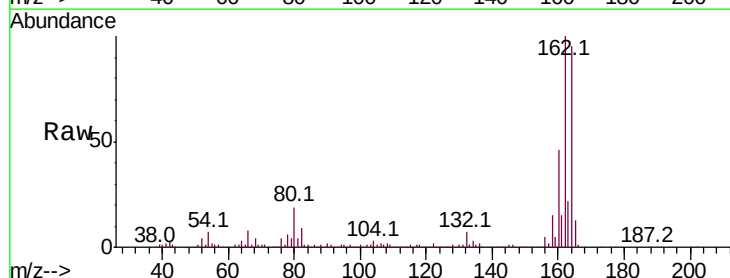
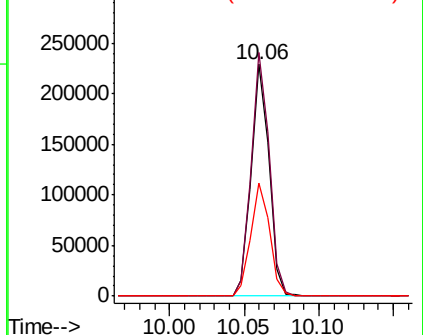
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 86.1  | 129.1 |
| 160     | 48.6  | 38.3  | 57.5  |

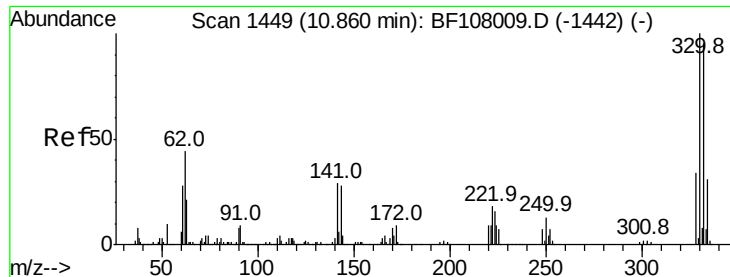
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





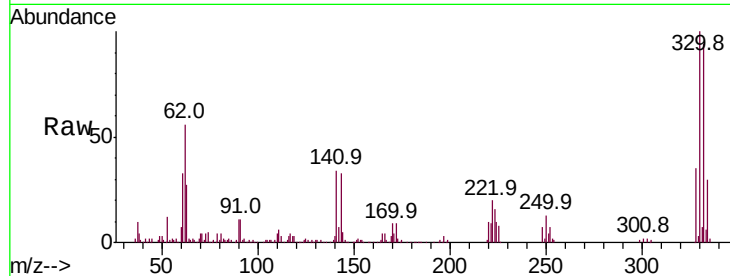
#41  
 2,4,6-Tribromophenol  
 Concen: 102.962 ng  
 RT: 10.85 min Scan# 1448  
 Delta R.T. -0.01 min  
 Lab File: BF108274.D  
 Acq: 18 Aug 2018 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-WC4-UST-0818

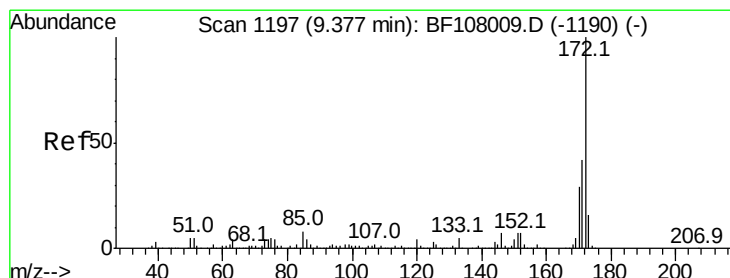
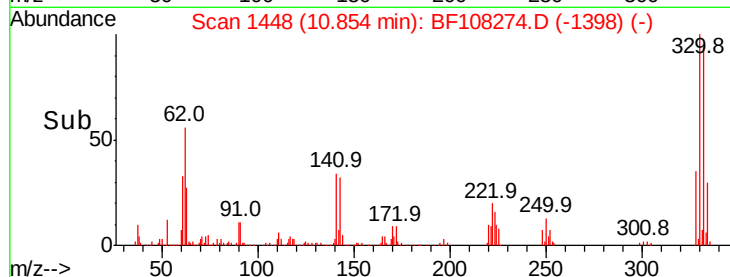
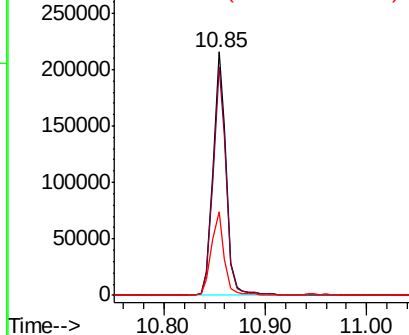
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 194370 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 93.7  | 77.0  | 115.6  |
| 141       | 34.8  | 29.9  | 44.9   |

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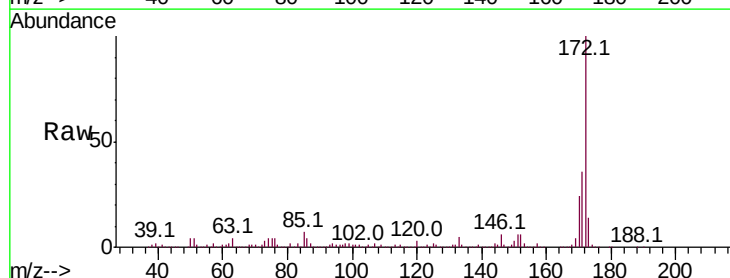


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

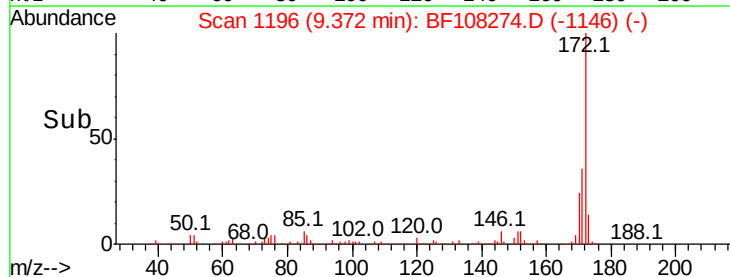
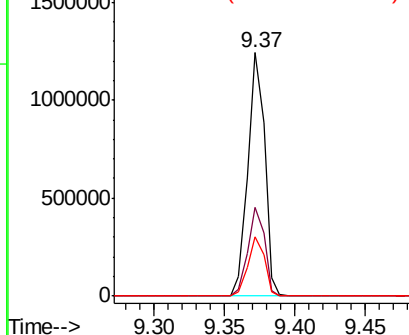


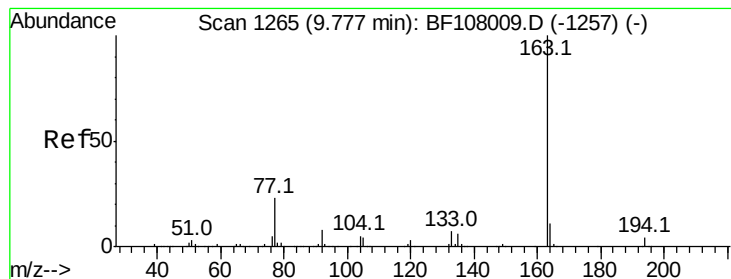
#44  
 2-Fluorobiphenyl  
 Concen: 87.869 ng  
 RT: 9.37 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF108274.D  
 Acq: 18 Aug 2018 5:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1035815 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.4  | 29.7  | 44.5    |
| 170       | 24.4  | 19.6  | 29.4    |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.954 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

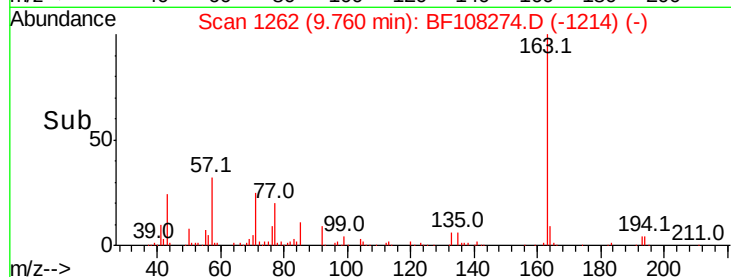
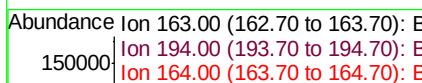
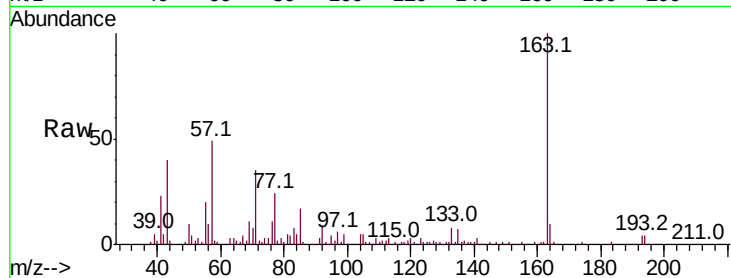
ClientSampleId :

EP1-WC4-UST-0818

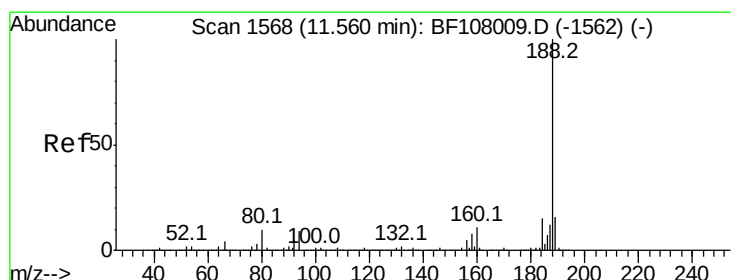
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 163   | Resp: | 91678 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 4.4   | 2.7   | 4.1#  |
| 164       | 10.0  | 8.2   | 12.2  |

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Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

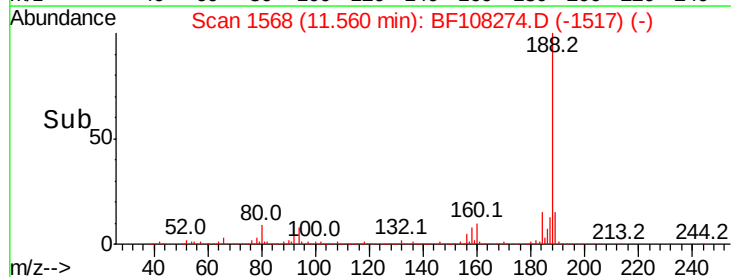
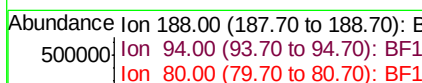
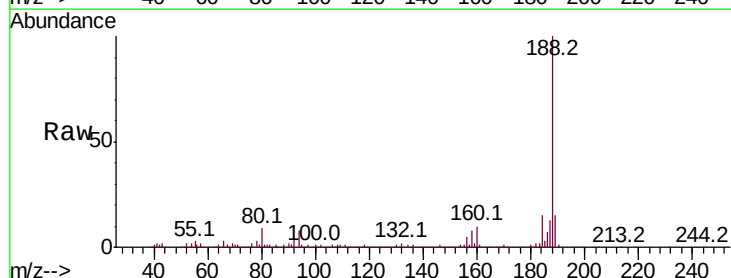
RT: 11.56 min Scan# 1568

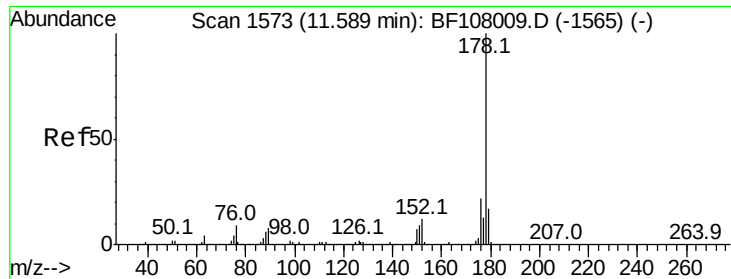
Delta R.T. 0.00 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 325827 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.0   | 8.5   | 12.7#  |
| 80        | 8.6   | 9.2   | 13.8#  |





#70

Phenanthrene

Concen: 2.339 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

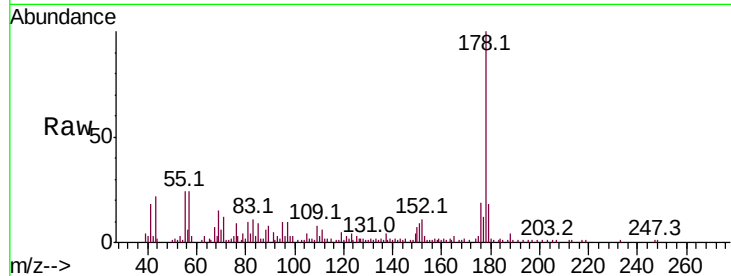
ClientSampleId :

EP1-WC4-UST-0818

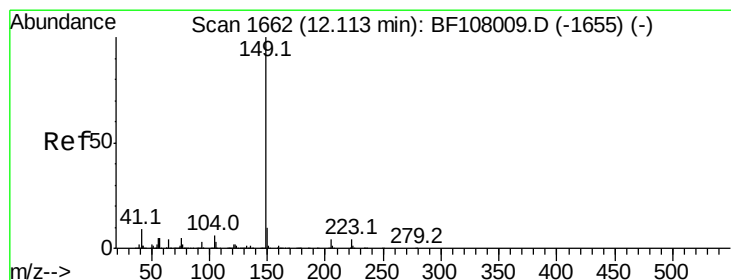
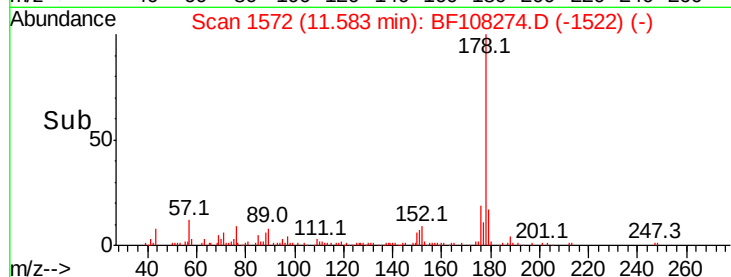
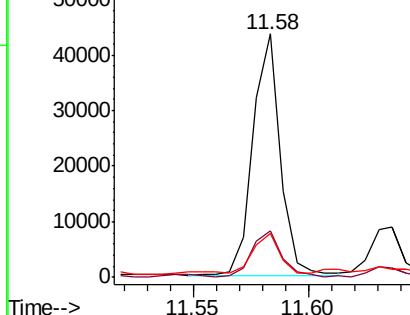
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 35949 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.0  | 15.8  | 23.8  |
| 179       | 17.8  | 13.0  | 19.6  |

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



#73

Di-n-butylphthalate

Concen: 3.577 ng

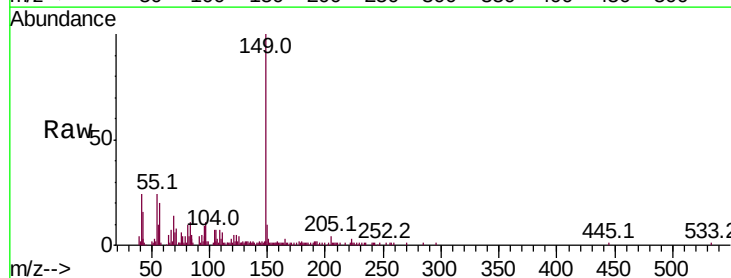
RT: 12.10 min Scan# 1660

Delta R.T. -0.01 min

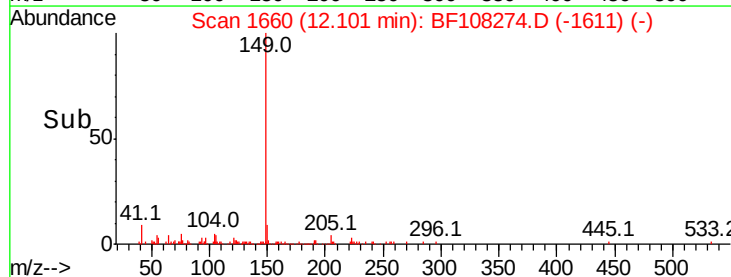
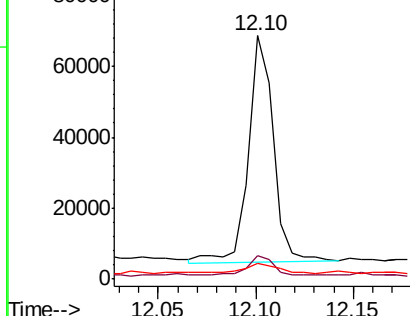
Lab File: BF108274.D

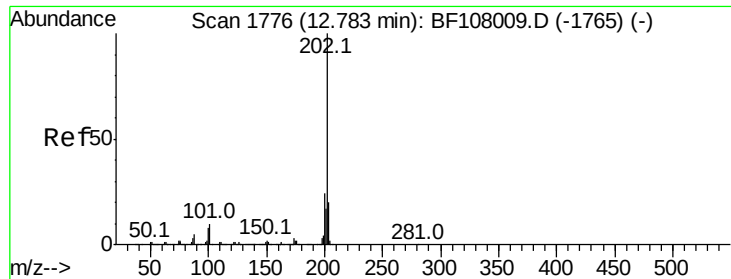
Acq: 18 Aug 2018 5:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 56705 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 9.6   | 7.8   | 11.6  |
| 104       | 6.6   | 3.8   | 5.8#  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 3.240 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

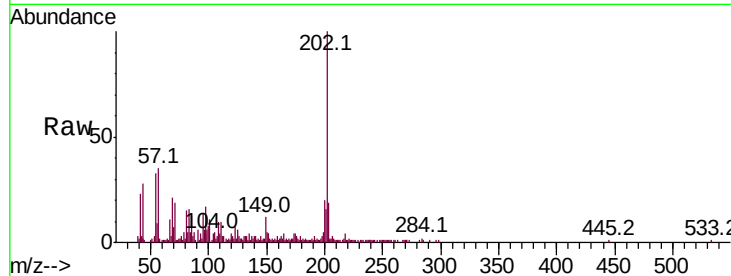
ClientSampleId :

EP1-WC4-UST-0818

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 11.3  | 0.0  | 34.1  |       |
| 203     | 18.9  | 0.0  | 38.1  |       |

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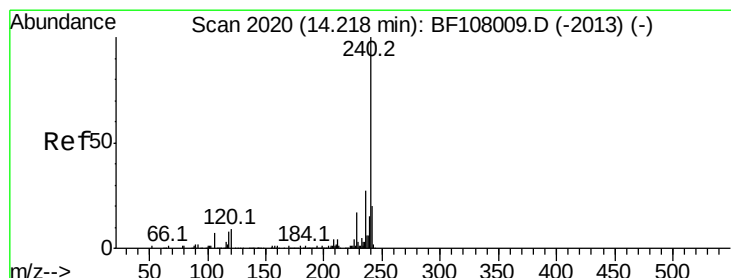
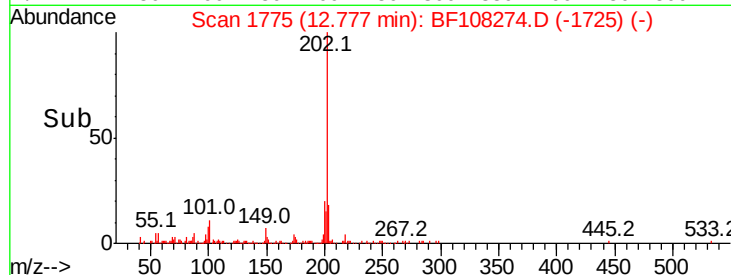
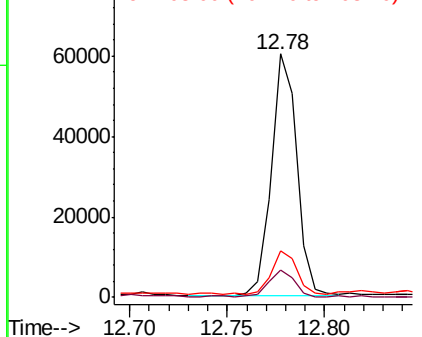


Abundance

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: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

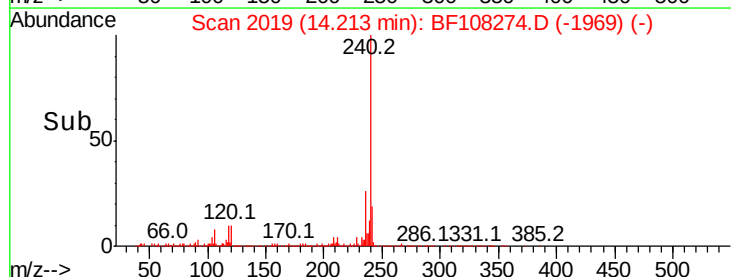
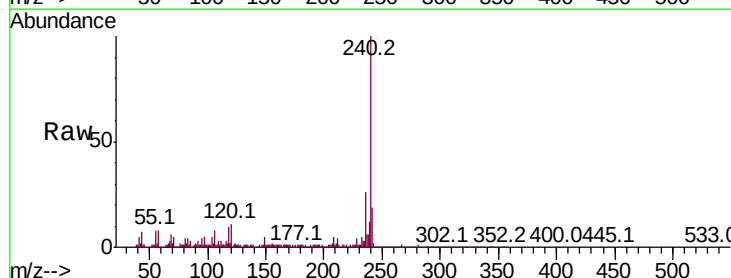
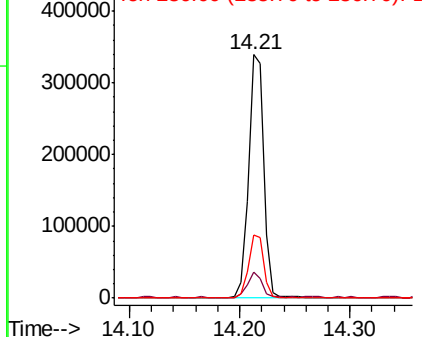
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   |      |       |       |
| 120     | 10.6  | 9.5  | 14.3  |       |
| 236     | 26.1  | 20.7 | 31.1  |       |

Abundance

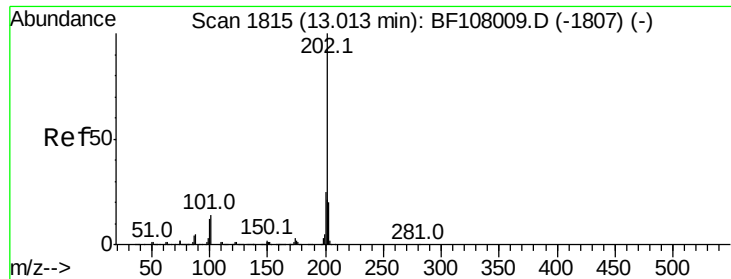
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#77

Pvrene

Concen: 2.782 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

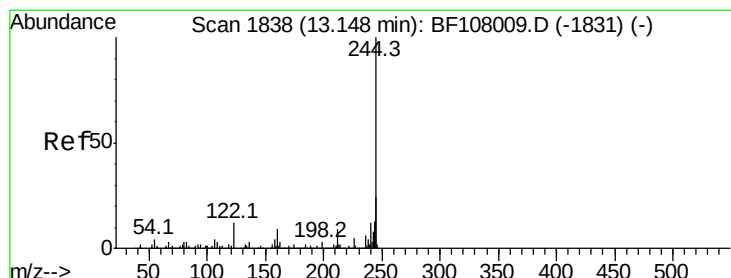
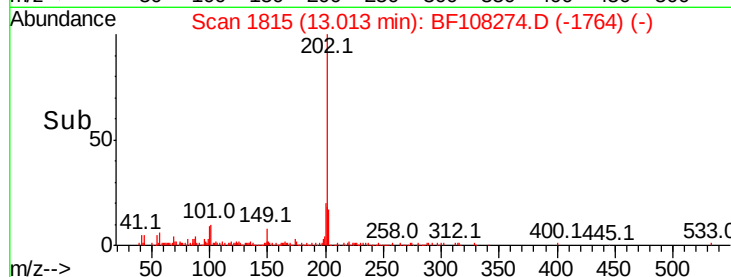
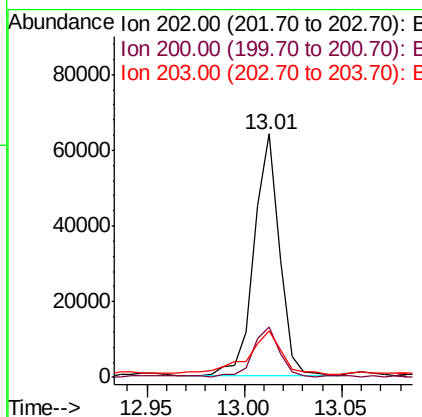
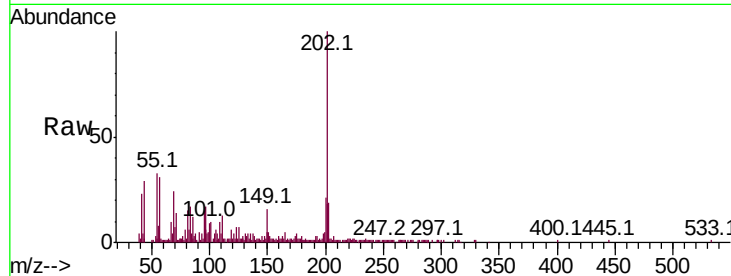
ClientSampleId :

EP1-WC4-UST-0818

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 57533 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.8  | 17.4  | 26.2  |
| 203       | 19.1  | 14.3  | 21.5  |

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#78

Terphenyl-d14

Concen: 76.033 ng

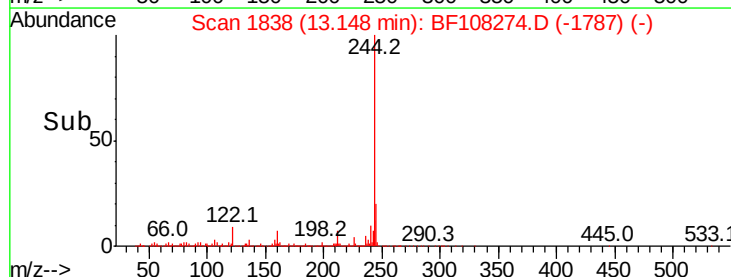
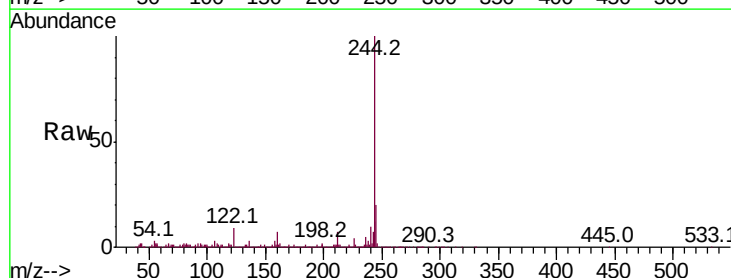
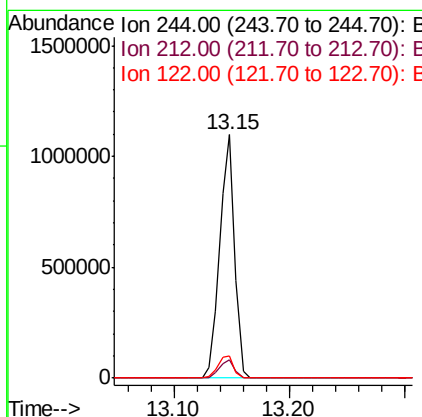
RT: 13.15 min Scan# 1838

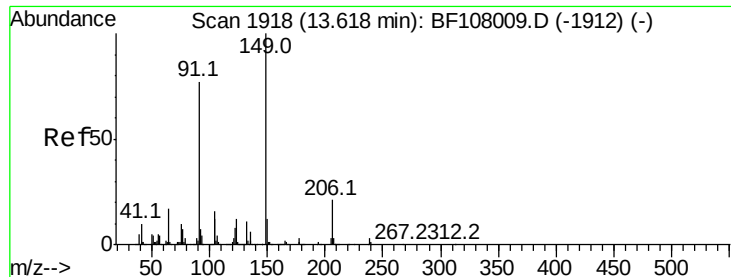
Delta R.T. 0.00 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 976809 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.3   | 5.4   | 8.0    |
| 122       | 9.2   | 11.0  | 16.4#  |





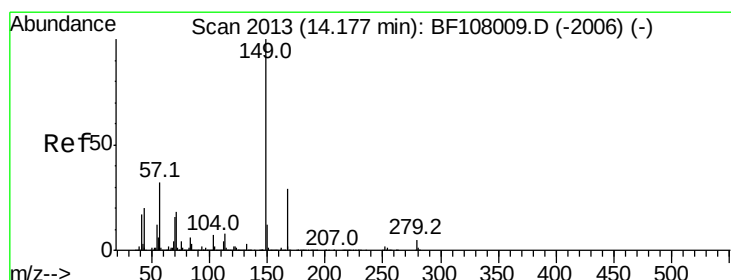
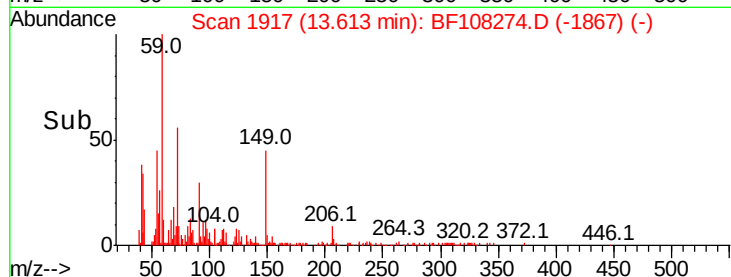
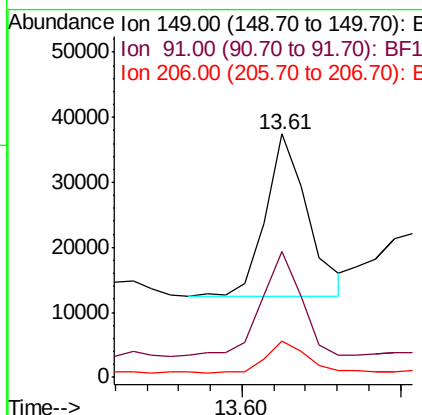
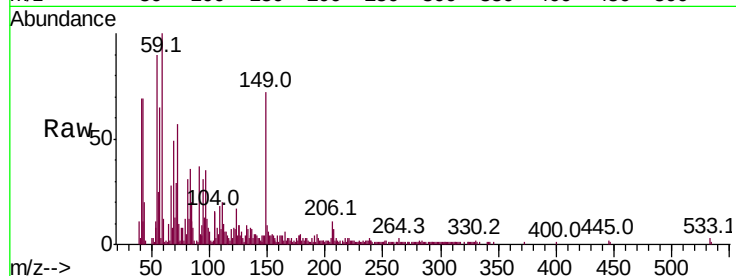
#79  
Butylbenzylphthalate  
Concen: 2.799 ng  
RT: 13.61 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-WC4-UST-0818

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 91      | 51.6  | 56.8 | 85.2  |       |
| 206     | 14.9  | 14.1 | 21.1  |       |

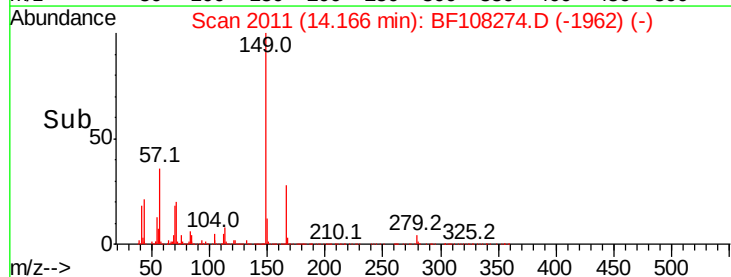
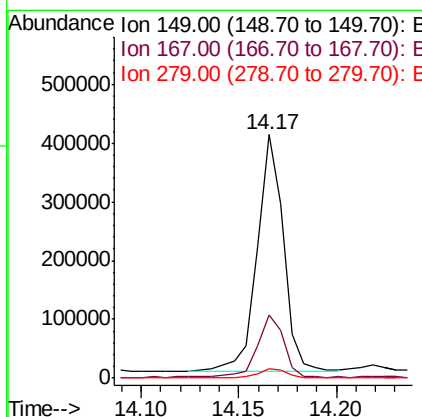
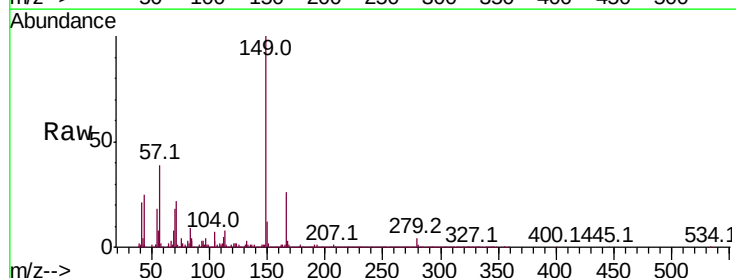
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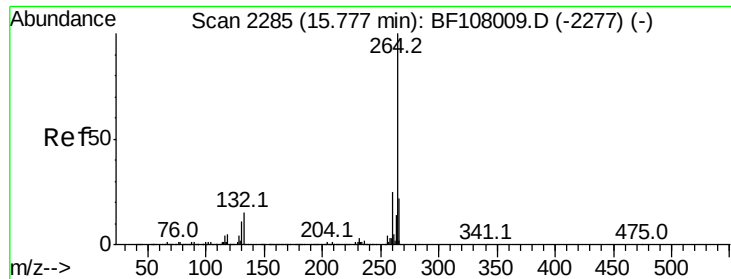
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#83  
Bis(2-ethylhexyl)phthalate  
Concen: 33.966 ng  
RT: 14.17 min Scan# 2011  
Delta R.T. -0.01 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 26.2  | 21.3 | 31.9  |       |
| 279     | 3.7   | 3.0  | 4.4   |       |





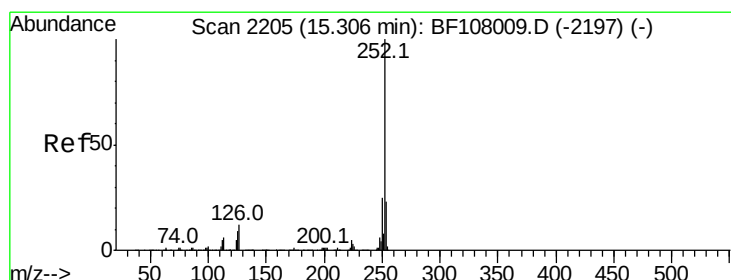
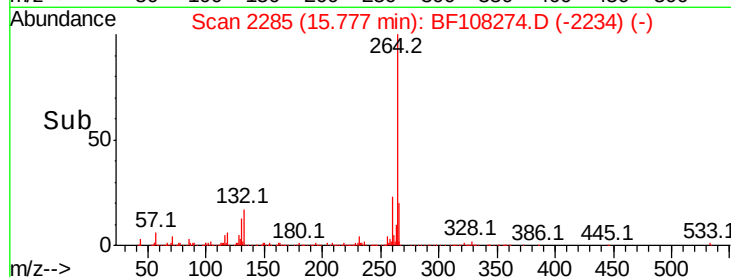
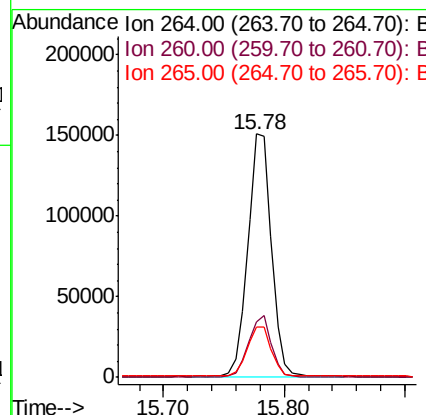
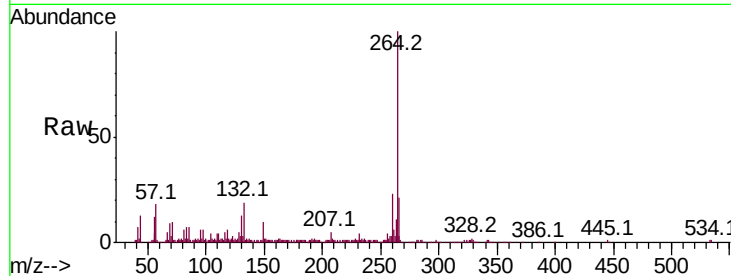
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.78 min Scan# 2285  
Delta R.T. 0.00 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-WC4-UST-0818

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.2  | 28.8  |
| 265     | 20.8  | 17.5  | 26.3  |

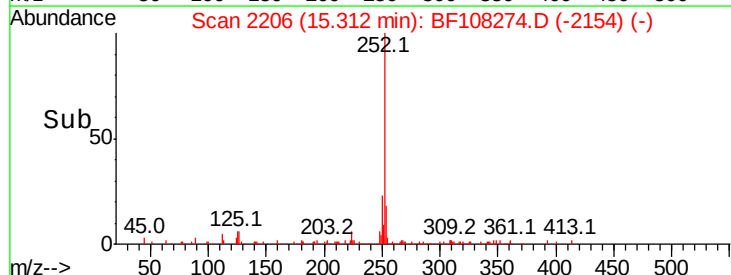
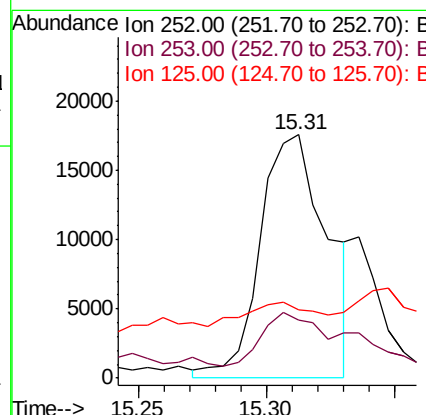
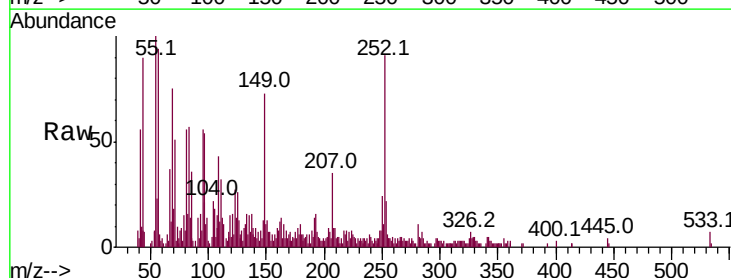
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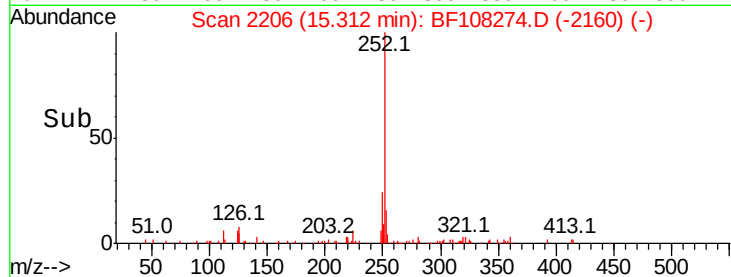
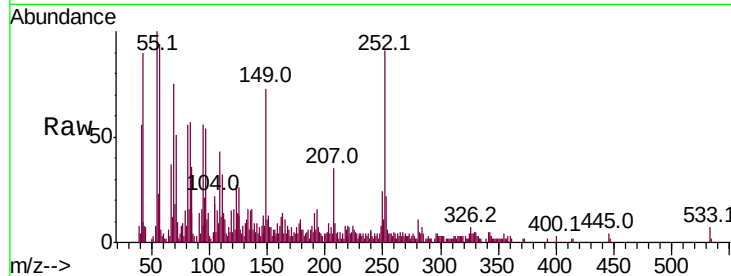
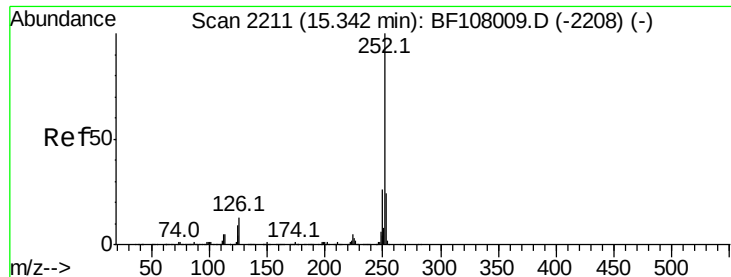
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#87  
Benzo(b)fluoranthene  
Concen: 2.599 ng m  
RT: 15.31 min Scan# 2206  
Delta R.T. 0.01 min  
Lab File: BF108274.D  
Acq: 18 Aug 2018 5:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 17.0  | 25.6  |
| 125     | 28.0  | 9.0   | 13.6# |





#88

Benzo(k)fluoranthene

Concen: 3.320 ng

RT: 15.31 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF108274.D

Acq: 18 Aug 2018 5:58

Instrument :

BNA\_F

ClientSampleId :

EP1-WC4-UST-0818

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 37453 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.0  | 17.9  | 26.9  |
| 125       | 28.0  | 10.2  | 15.2# |

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