

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\  
 Data File : BF109657.D  
 Acq On : 8 Oct 2018 19:37  
 Operator : JU/SJ  
 Sample : J5270-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-B

Manual Integrations  
 APPROVED

Sohil  
 10/9/2018 2:57:33 PM

Quant Time: Oct 09 09:08:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 97327    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 362084   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.72  | 164  | 147854   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.20 | 188  | 237256   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.83 | 240  | 198096   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.23 | 264  | 178346   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.32  | 112 | 563051 | 102.69 | ng | 0.00 |
| 7) Phenol-d6             | 6.35  | 99  | 722163 | 98.59  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.26  | 82  | 460821 | 70.16  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.51 | 330 | 111964 | 69.50  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.05  | 172 | 659730 | 61.45  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.78 | 244 | 449314 | 43.91  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 31) Naphthalene                | 8.00  | 128 | 254044 | 15.171 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.69  | 142 | 210344 | 19.176 | ng | 99     |
| 45) 1,1'-Biphenyl              | 9.15  | 154 | 32371  | 2.451  | ng | 99     |
| 49) Dimethylphthalate          | 9.45  | 163 | 47485  | 4.379  | ng | 98     |
| 54) Dibenzofuran               | 9.93  | 168 | 68932  | 5.377  | ng | # 93   |
| 70) Phenanthrene               | 11.23 | 178 | 166379 | 14.013 | ng | 99     |
| 74) Fluoranthene               | 12.41 | 202 | 114133 | 9.201  | ng | 99     |
| 77) Pyrene                     | 12.63 | 202 | 105115 | 7.242  | ng | 98     |
| 80) Benzo(a)anthracene         | 13.82 | 228 | 66558  | 6.089  | ng | # 91   |
| 82) Chrysene                   | 13.85 | 228 | 77888  | 6.783  | ng | # 95   |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 25865  | 3.369  | ng | # 96   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.58 | 276 | 25162  | 3.062  | ng | # 67   |
| 87) Benzo(b)fluoranthene       | 14.83 | 252 | 61832m | 6.274  | ng |        |
| 88) Benzo(k)fluoranthene       | 14.86 | 252 | 21418m | 2.163  | ng |        |
| 89) Benzo(a)pyrene             | 15.17 | 252 | 38020  | 4.251  | ng | # 90   |
| 91) Benzo(g,h,i)perylene       | 16.98 | 276 | 21471  | 2.927  | ng | 98     |

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

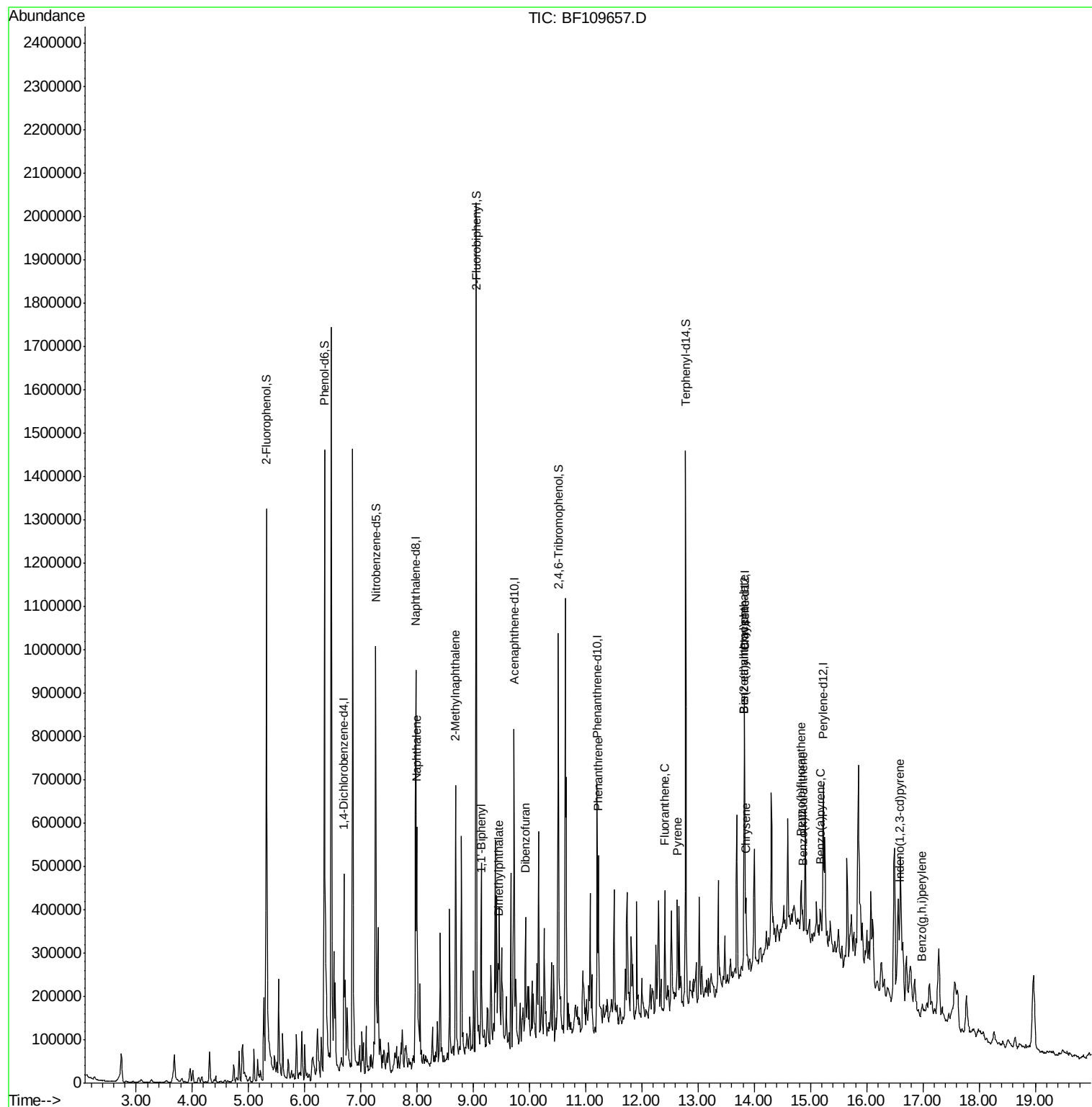
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\  
Data File : BF109657.D  
Acq On : 8 Oct 2018 19:37  
Operator : JU/SJ  
Sample : J5270-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

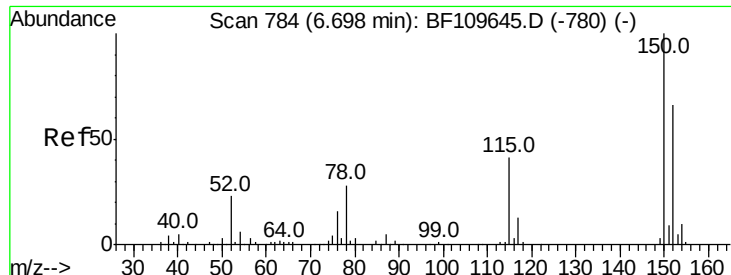
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-B

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10/9/2018 2:57:33 PM

Quant Time: Oct 09 09:08:54 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 08 16:02:11 2018  
Response via : Initial Calibration





#1

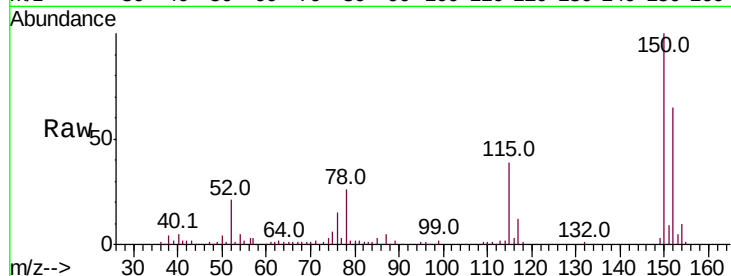
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 122.7 | 184.1 |
| 115     | 60.0  | 49.1  | 73.7  |

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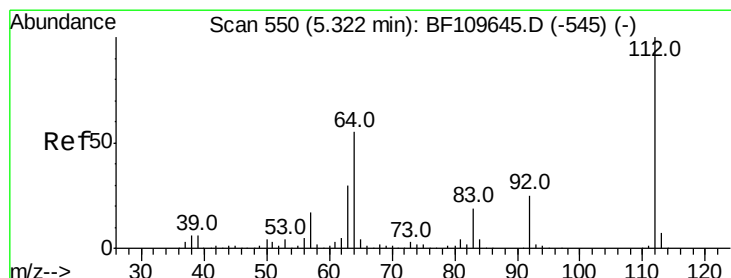
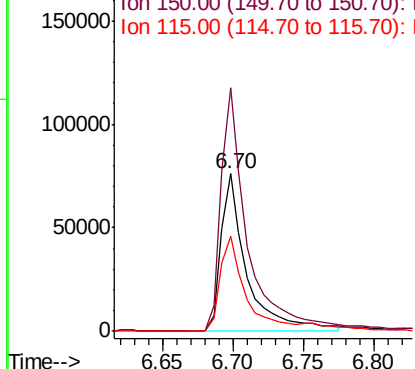
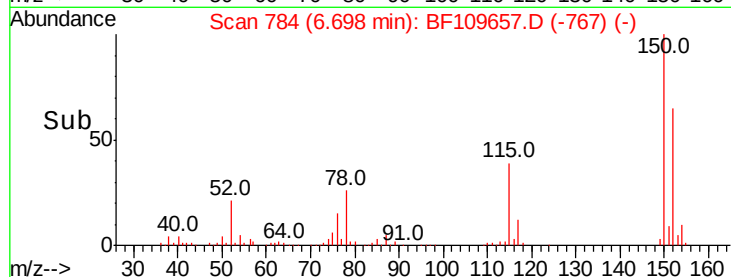


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

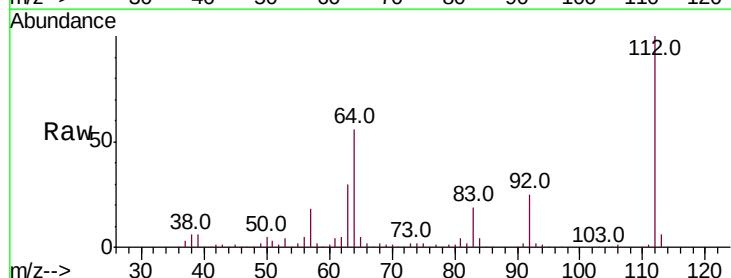
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 102.688 ng  
RT: 5.32 min Scan# 550  
Delta R.T. 0.00 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.9  | 44.1  | 66.1  |
| 63      | 29.5  | 23.7  | 35.5  |

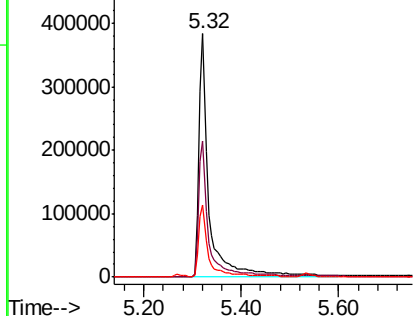
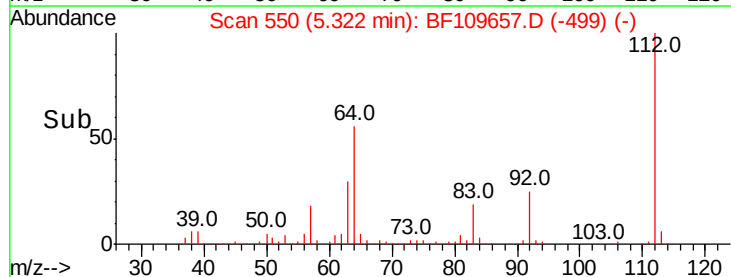


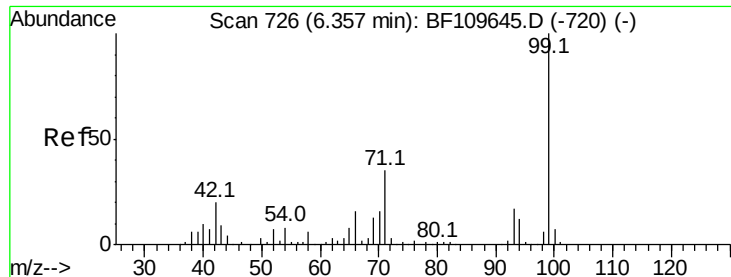
Abundance

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: 98.591 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

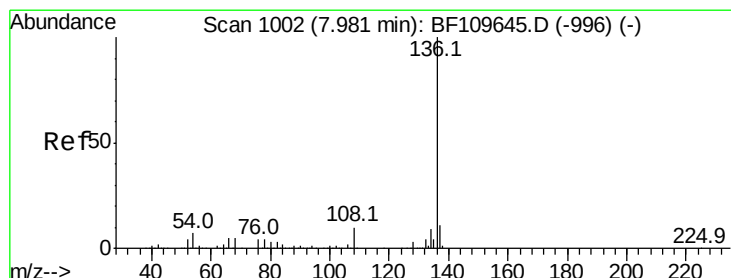
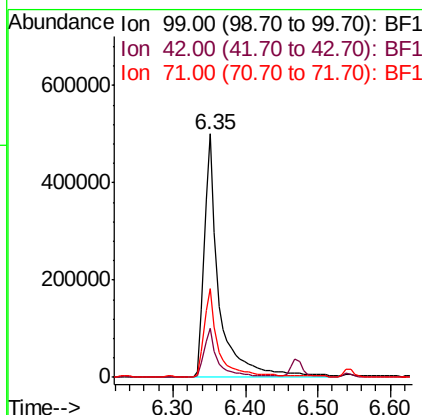
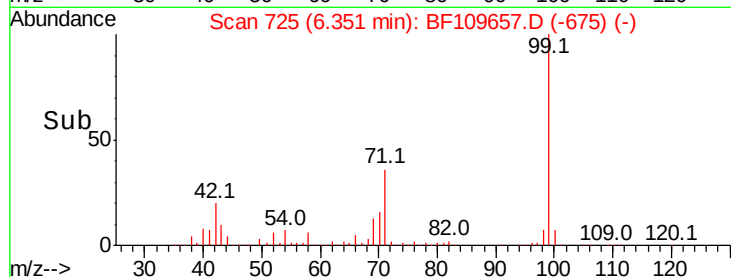
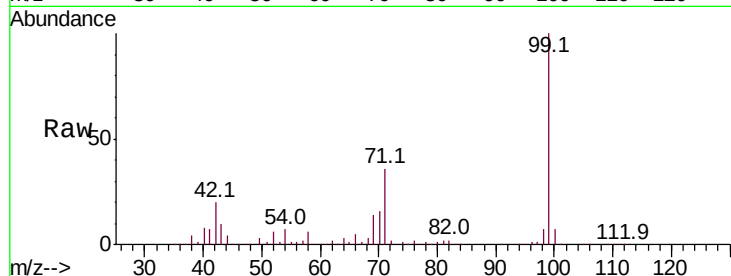
ClientSampleId :

STOCK-PILE-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 722163 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.9  | 15.8  | 23.6   |
| 71        | 36.4  | 28.0  | 42.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

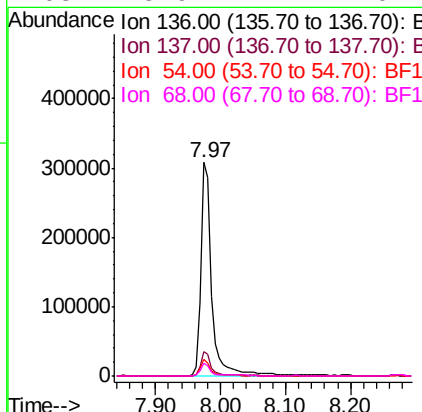
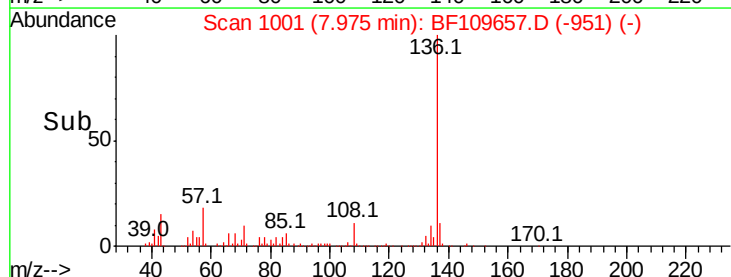
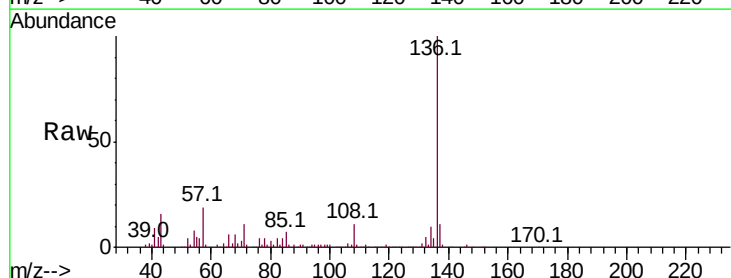
RT: 7.97 min Scan# 1001

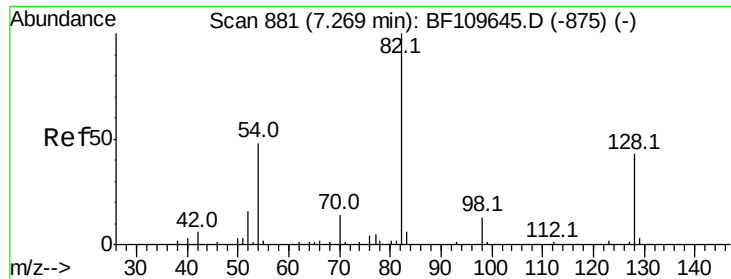
Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 362084 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.8   | 13.2   |
| 54        | 7.6   | 5.4   | 8.2    |
| 68        | 5.9   | 4.2   | 6.2    |





#23

Nitrobenzene-d5

Concen: 70.155 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

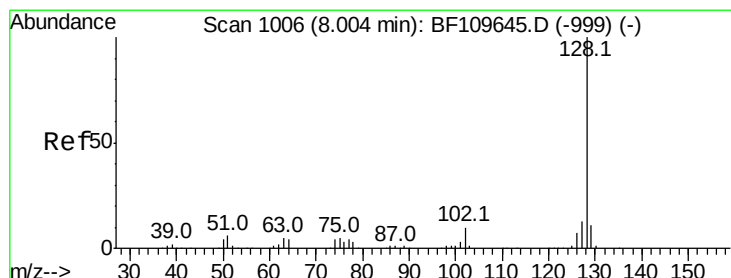
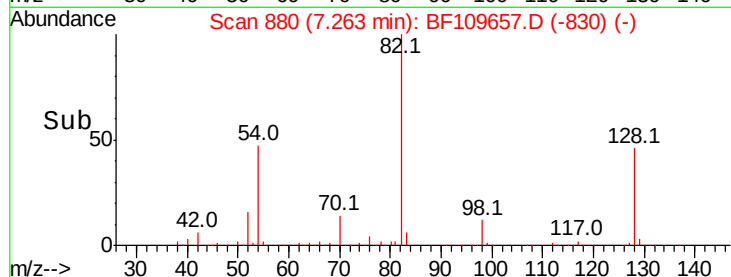
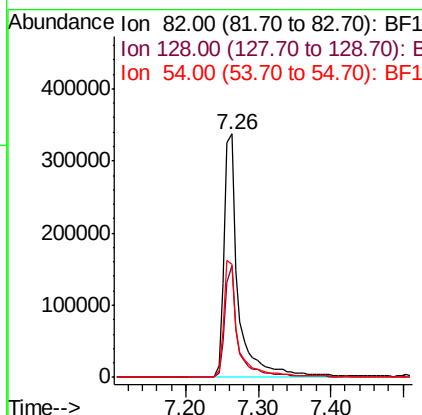
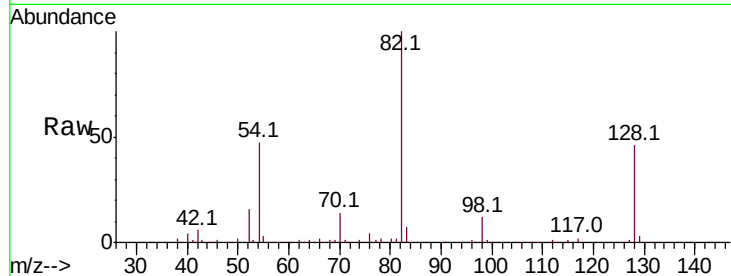
ClientSampled :

STOCK-PILE-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 460821 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.7  | 34.2  | 51.2   |
| 54        | 46.6  | 38.6  | 58.0   |

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#31

Naphthalene

Concen: 15.171 ng

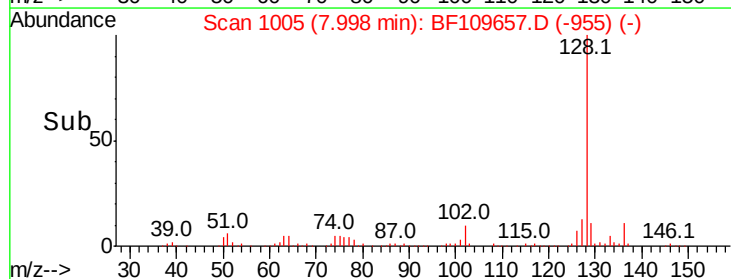
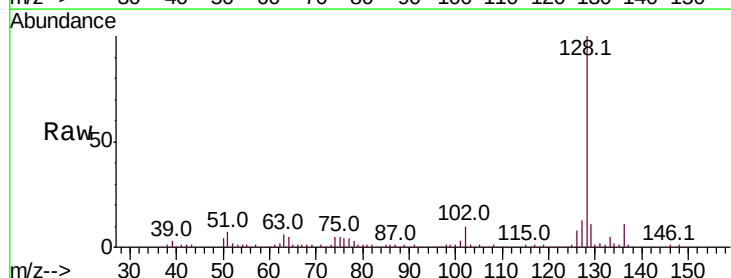
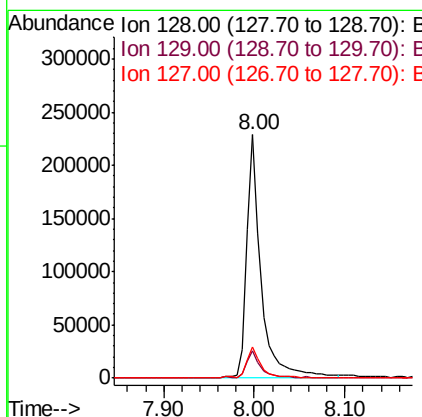
RT: 8.00 min Scan# 1005

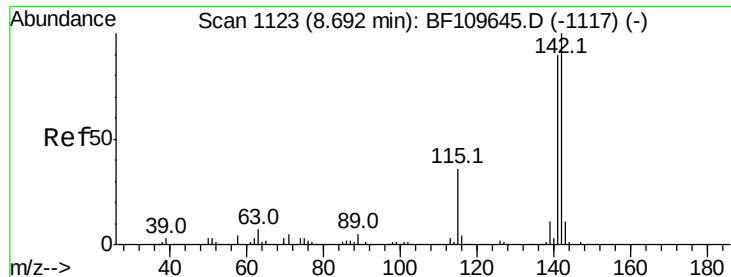
Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 254044 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.1  | 8.8   | 13.2   |
| 127       | 12.8  | 10.8  | 16.2   |





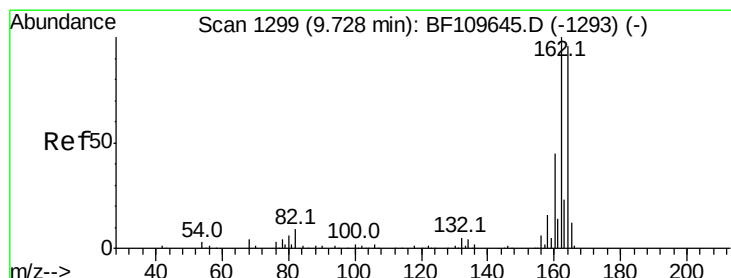
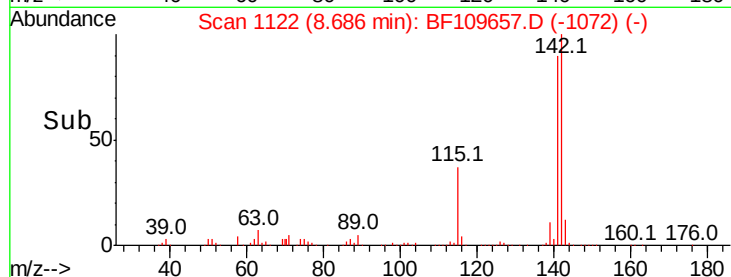
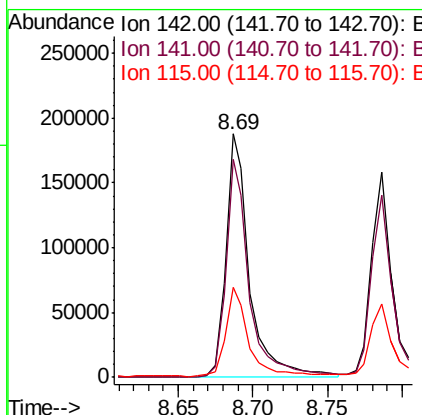
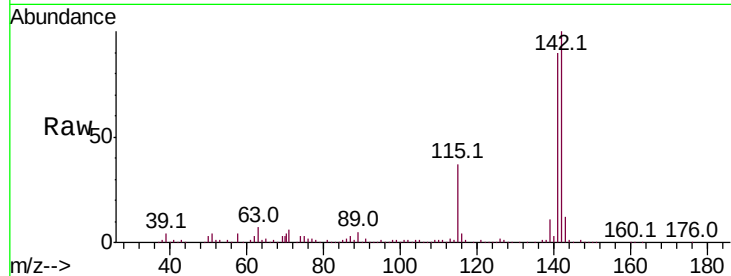
#37  
 2-Methylnaphthalene  
 Concen: 19.176 ng  
 RT: 8.69 min Scan# 1122  
 Delta R.T. -0.01 min  
 Lab File: BF109657.D  
 Acq: 8 Oct 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 210344 |       |       |
| 141     | 89.5  | 71.4   | 107.2 |       |
| 115     | 36.9  | 28.7   | 43.1  |       |

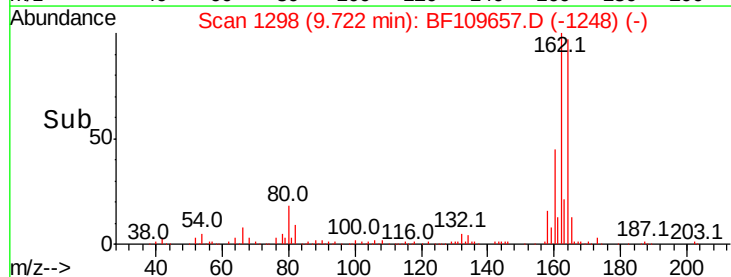
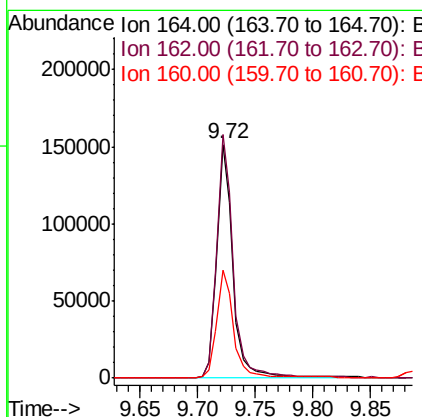
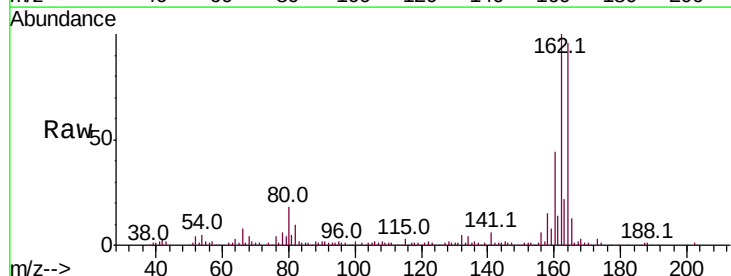
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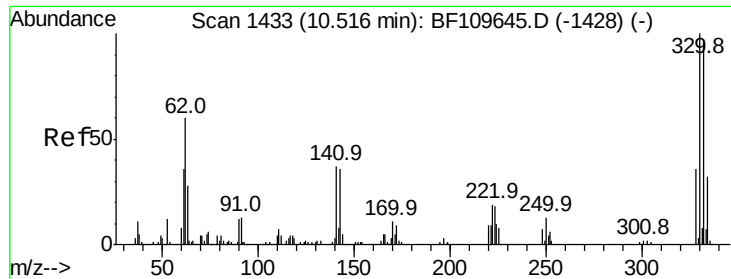
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.01 min  
 Lab File: BF109657.D  
 Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 147854 |       |       |
| 162     | 104.1 | 83.0   | 124.6 |       |
| 160     | 46.2  | 37.0   | 55.6  |       |





#41

2,4,6-Tribromophenol

Concen: 69.498 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

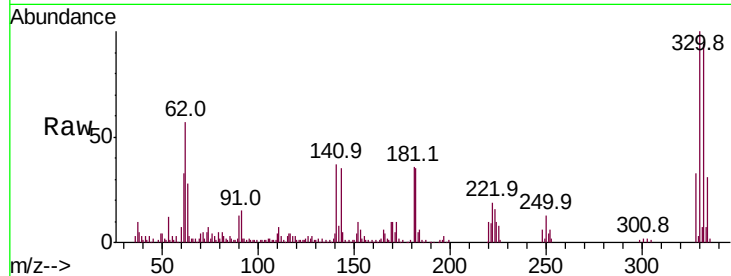
ClientSampled :

STOCK-PILE-B

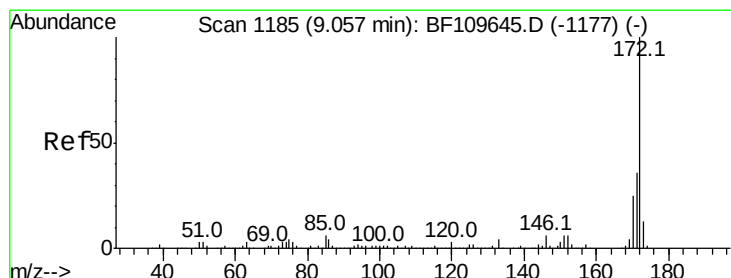
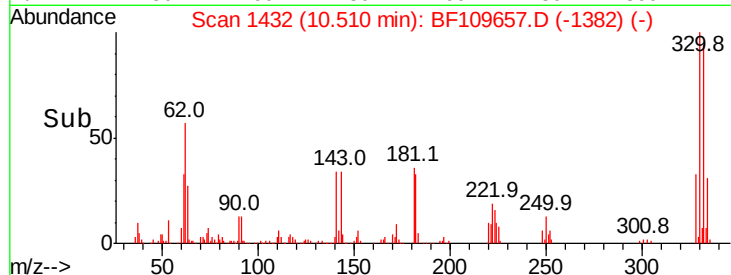
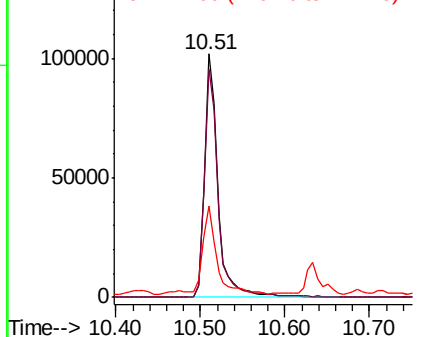
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 111964 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.3  | 77.1  | 115.7  |
| 141       | 37.9  | 27.0  | 40.4   |

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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: 61.454 ng

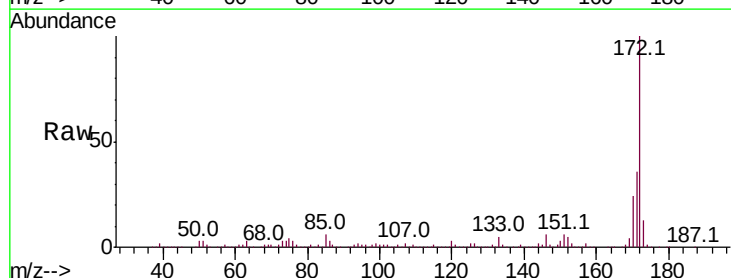
RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

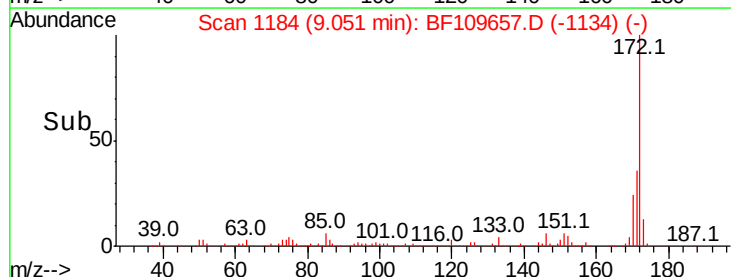
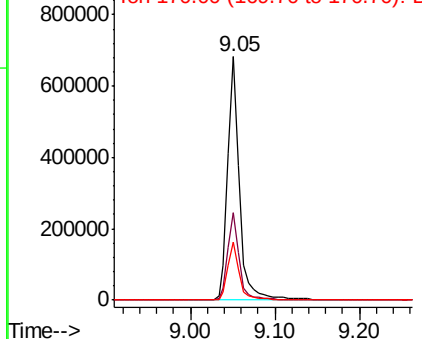
Lab File: BF109657.D

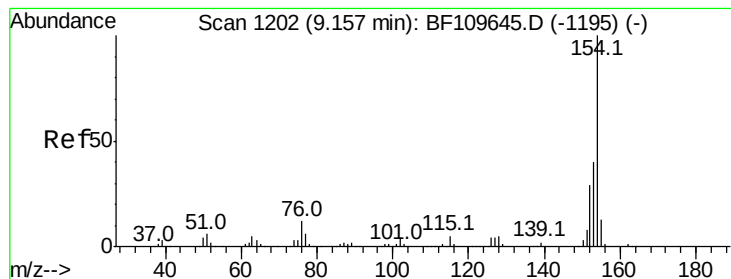
Acq: 8 Oct 2018 19:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 659730 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 36.0  | 28.6  | 43.0   |
| 170       | 24.1  | 19.7  | 29.5   |



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





#45

1,1'-Biphenyl

Concen: 2.451 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

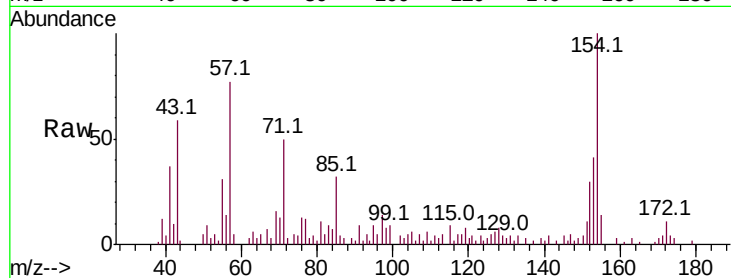
ClientSampled :

STOCK-PILE-B

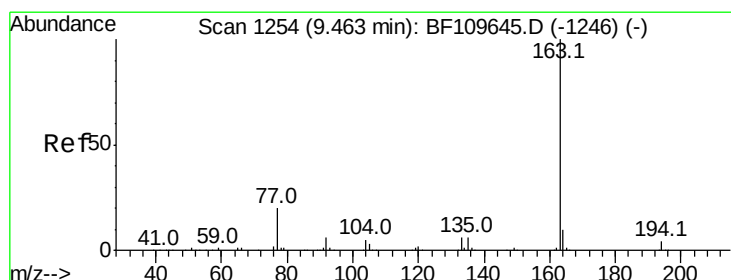
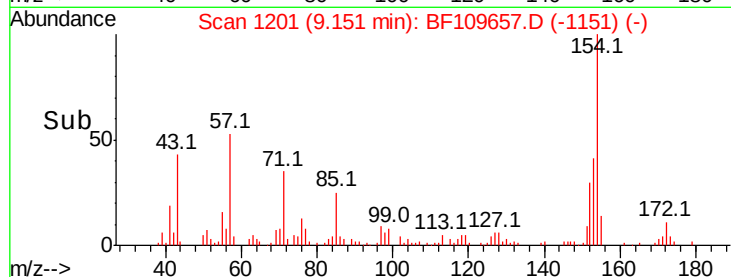
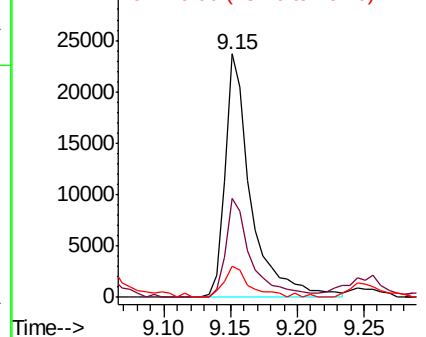
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 32371 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 40.7  | 20.4  | 60.4  |
| 76        | 12.7  | 0.0   | 31.9  |

Manual Integrations  
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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 4.379 ng

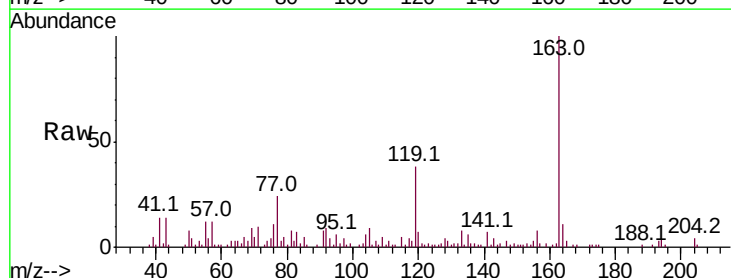
RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

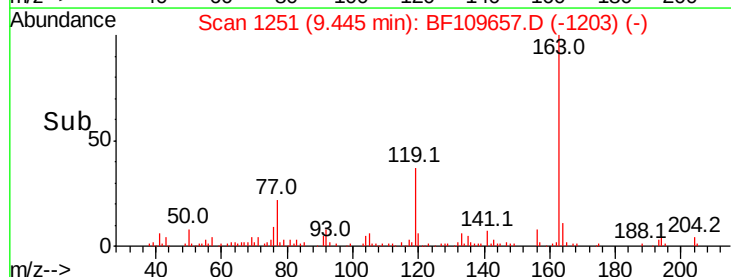
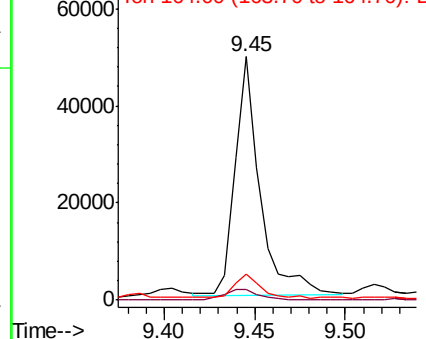
Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

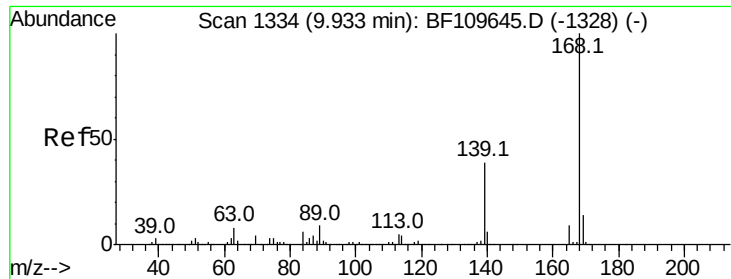
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 47485 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 4.4   | 3.2   | 4.8   |
| 164       | 10.9  | 8.1   | 12.1  |



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E







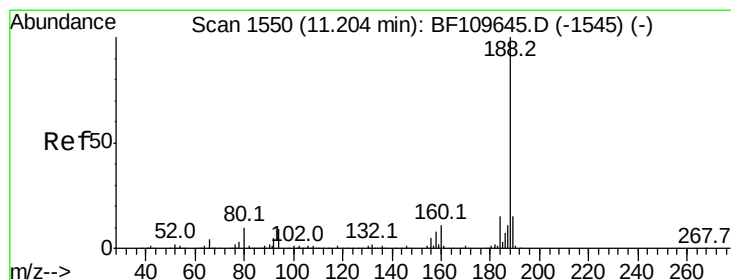
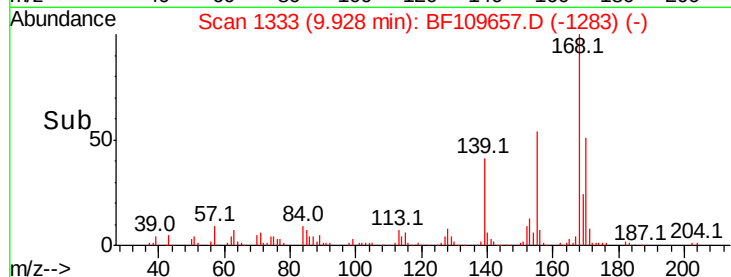
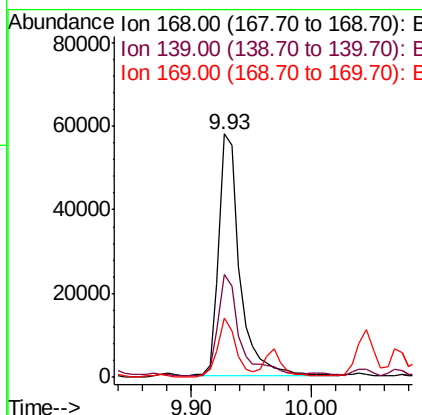
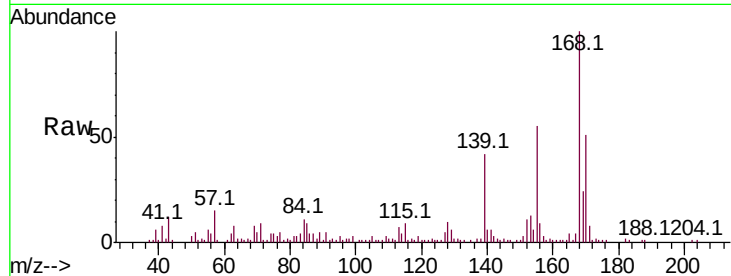
#54  
Dibenzofuran  
Concen: 5.377 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-B

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 168     | 100   | 68932 |       |       |
| 139     | 42.0  |       | 33.0  | 49.6  |
| 169     | 24.3  |       | 11.3  | 16.9# |

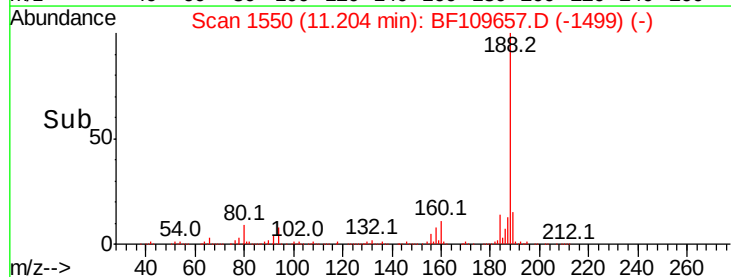
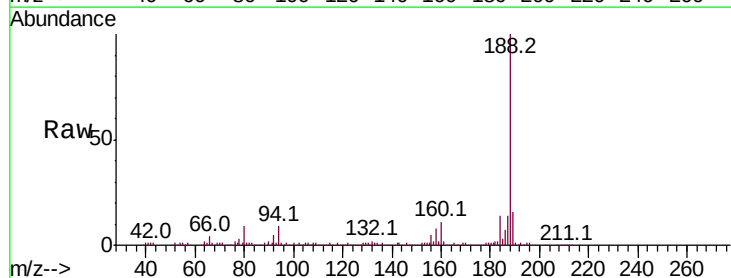
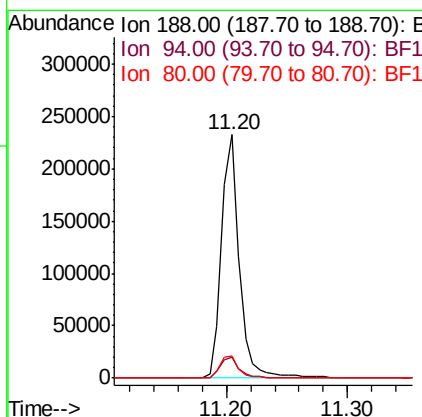
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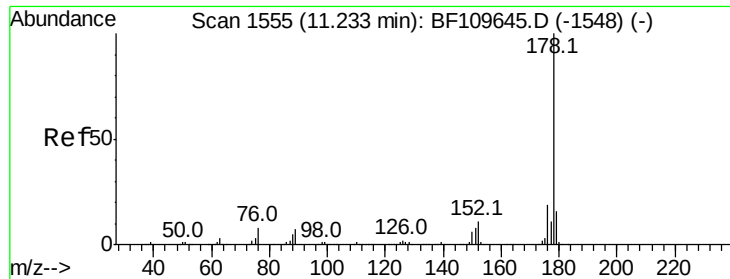
Sohil  
10/9/2018 2:57:33 PM



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 237256 |       |       |
| 94      | 8.6   |        | 7.2   | 10.8  |
| 80      | 8.9   |        | 7.9   | 11.9  |





#70

Phenanthrene

Concen: 14.013 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

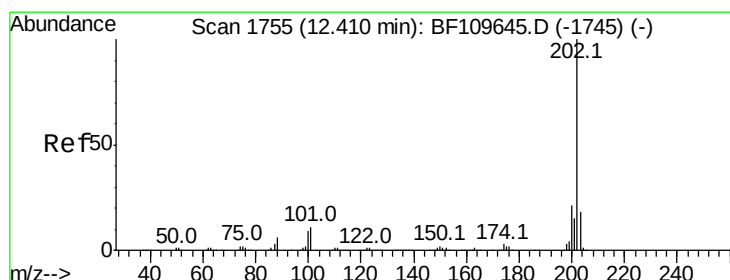
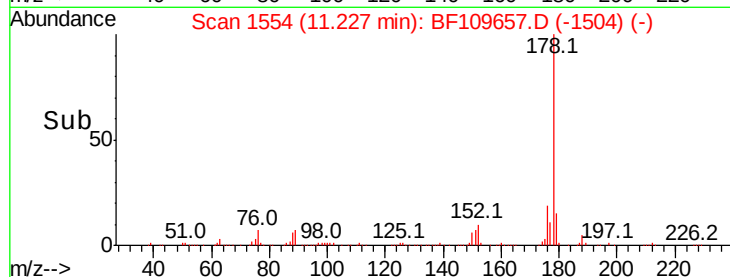
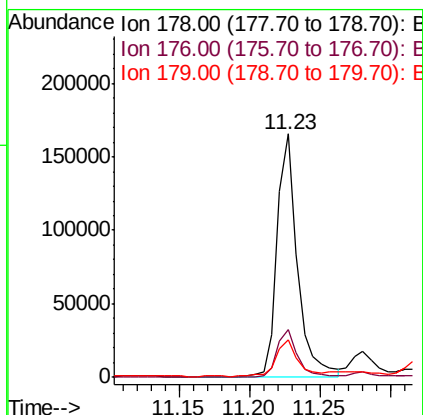
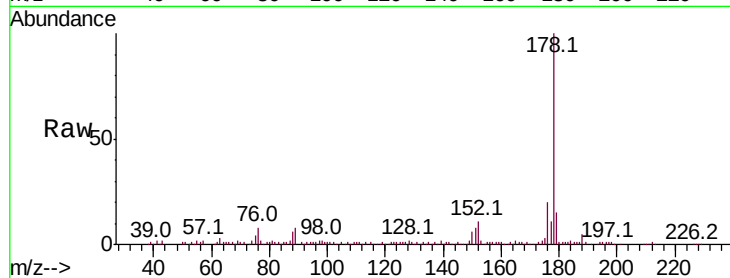
ClientSampleId :

STOCK-PILE-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 166379 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.6  | 15.5  | 23.3   |
| 179       | 15.3  | 12.5  | 18.7   |

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#74

Fluoranthene

Concen: 9.201 ng

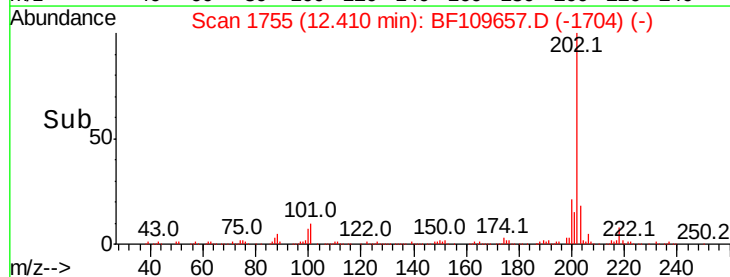
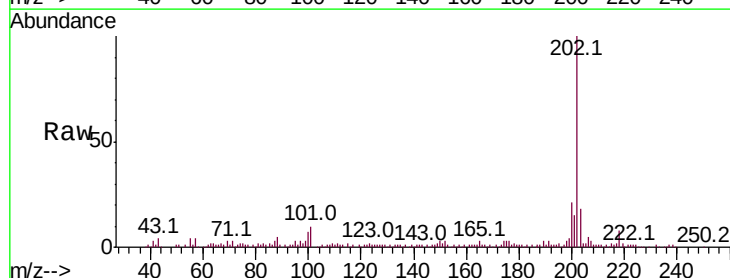
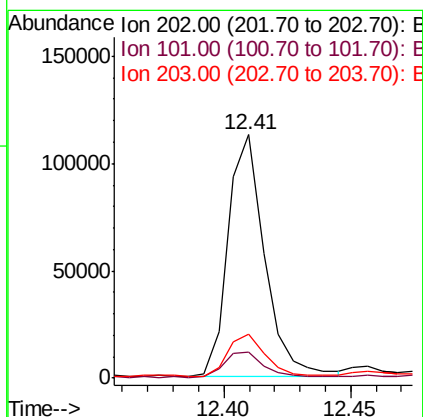
RT: 12.41 min Scan# 1755

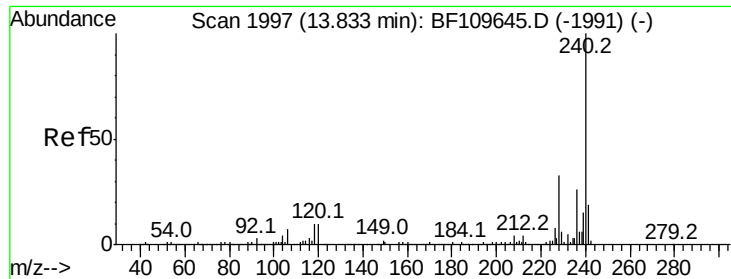
Delta R.T. -0.00 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 114133 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.5  | 0.0   | 31.4   |
| 203       | 18.0  | 0.0   | 37.7   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

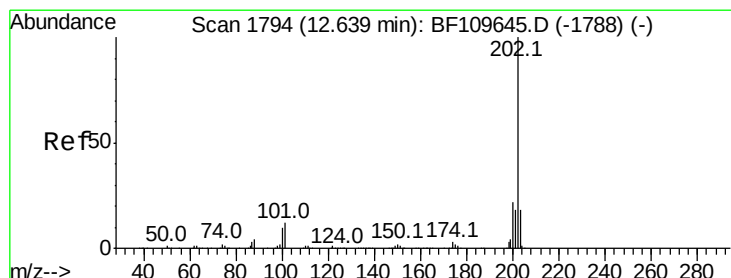
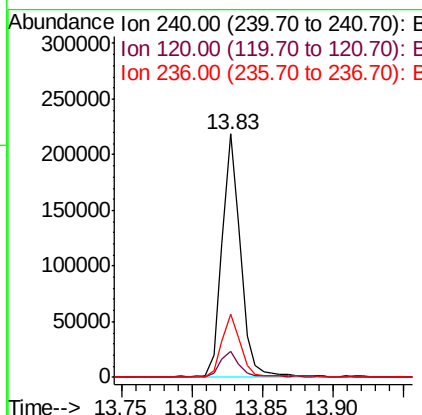
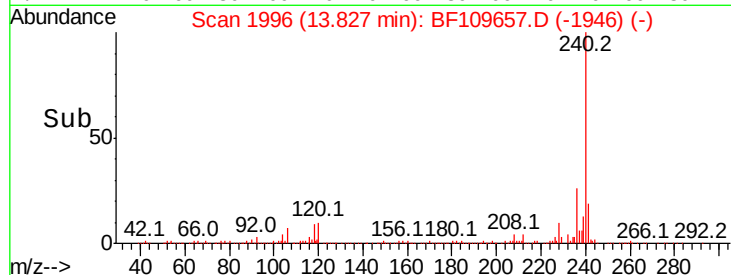
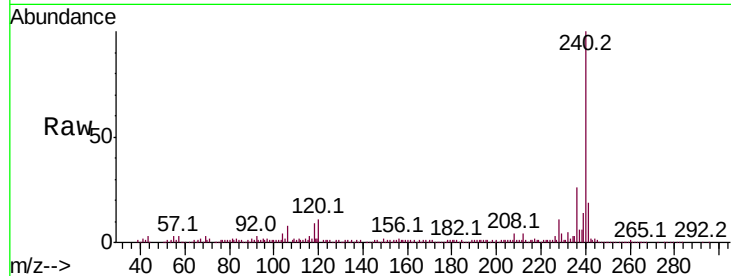
ClientSampleId :

STOCK-PILE-B

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 240  | Resp: | 198096 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 10.7 | 8.3   | 12.5   |
| 236       | 25.8 | 21.2  | 31.8   |

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#77

Pyrene

Concen: 7.242 ng

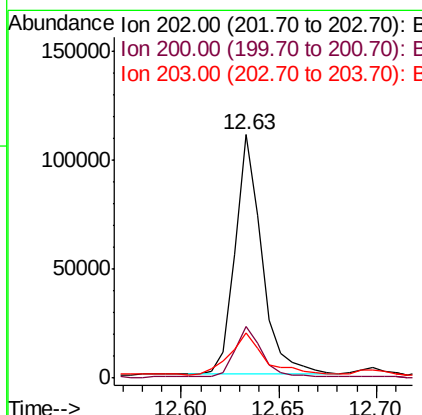
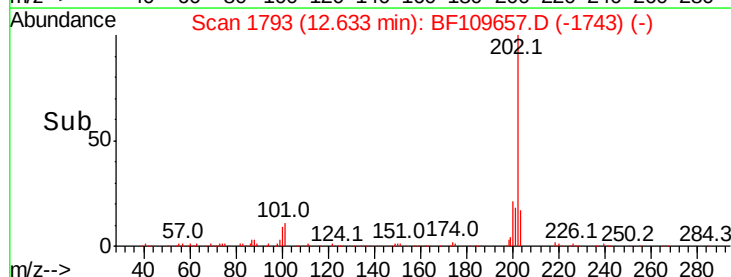
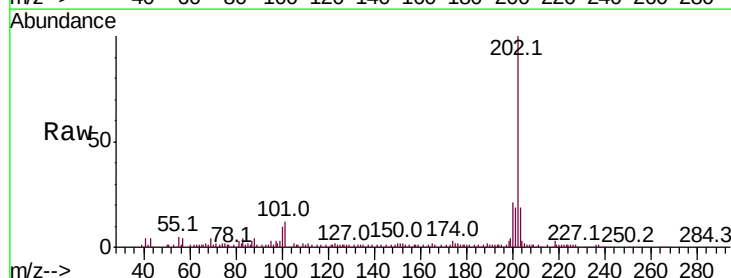
RT: 12.63 min Scan# 1793

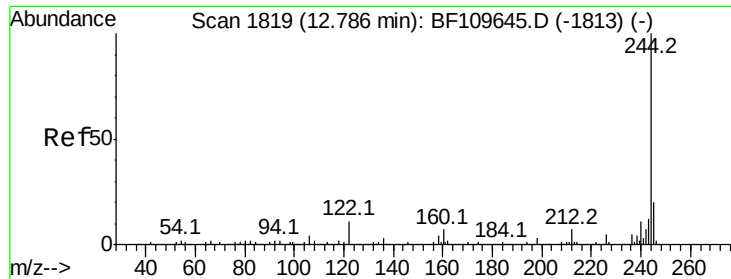
Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 202  | Resp: | 105115 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 21.3 | 17.8  | 26.6   |
| 203       | 18.8 | 14.2  | 21.4   |





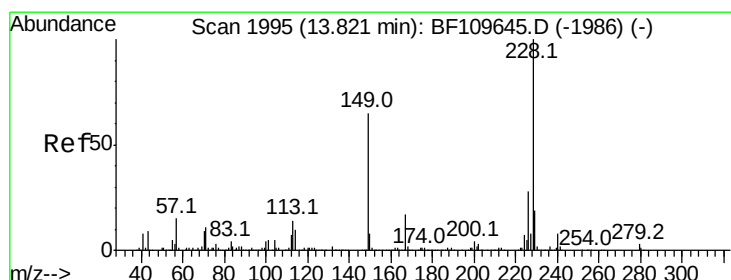
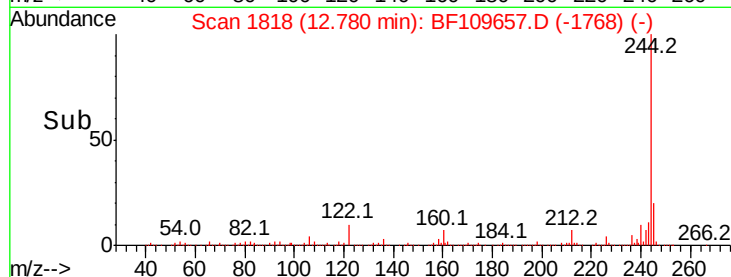
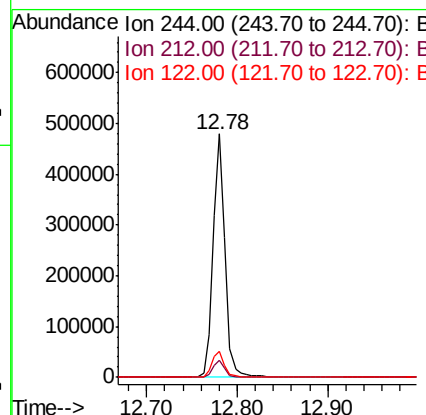
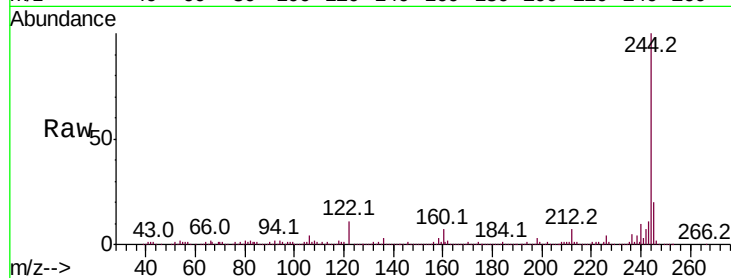
#78  
 Terphenyl-d14  
 Concen: 43.908 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.01 min  
 Lab File: BF109657.D  
 Acq: 8 Oct 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.8   | 8.8   |
| 122     | 10.6  | 8.7   | 13.1  |

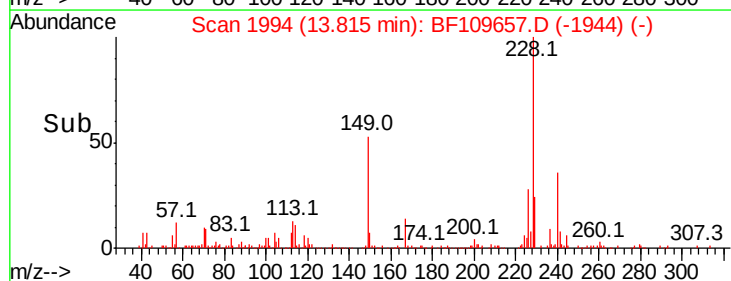
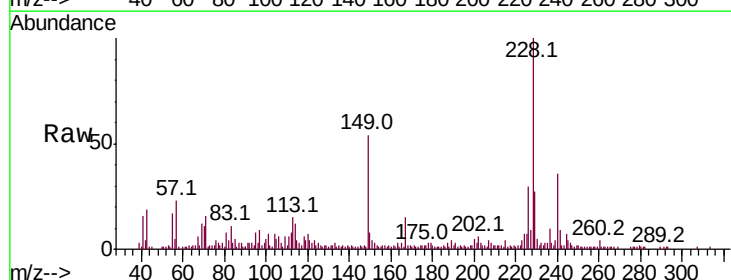
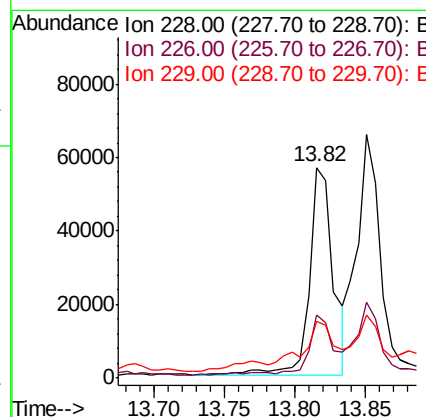
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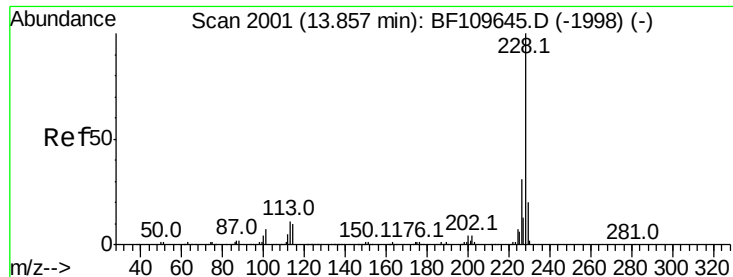
Sohil  
 10/9/2018 2:57:33 PM



#80  
 Benzo(a)anthracene  
 Concen: 6.089 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.01 min  
 Lab File: BF109657.D  
 Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.7  | 22.1  | 33.1  |
| 229     | 27.0  | 15.6  | 23.4  |





#82

Chrysene

Concen: 6.783 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

Instrument :

BNA\_F

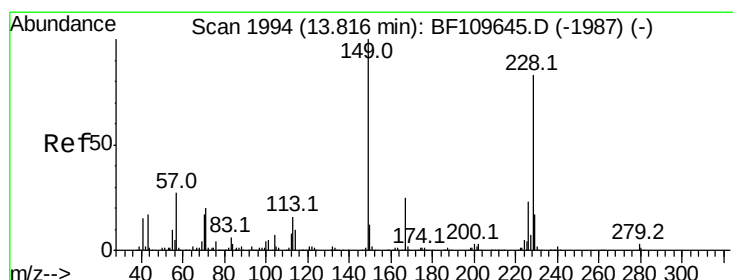
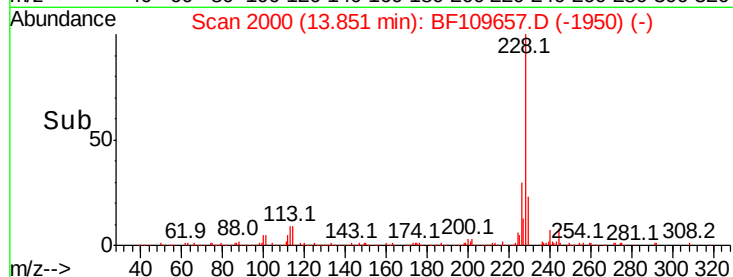
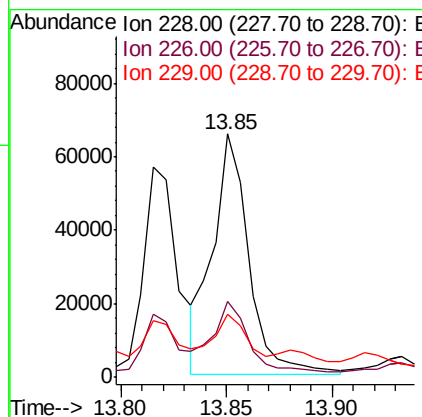
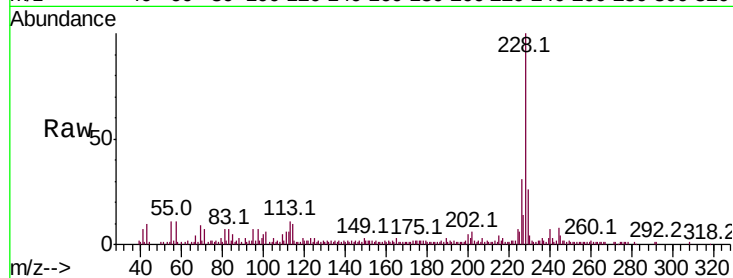
ClientSampleId :

STOCK-PILE-B

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 228  | Resp: | 77888 |
| Ion Ratio |      | Lower | Upper |
| 228       | 100  |       |       |
| 226       | 31.1 | 24.7  | 37.1  |
| 229       | 25.9 | 15.9  | 23.9# |

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.369 ng

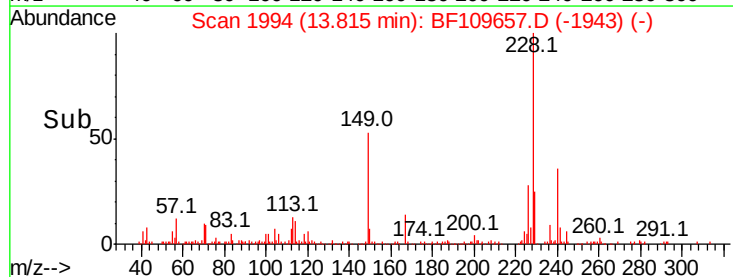
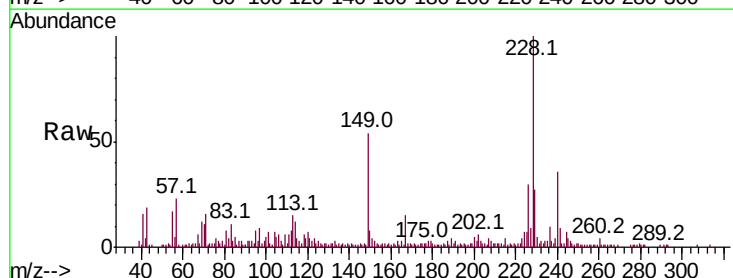
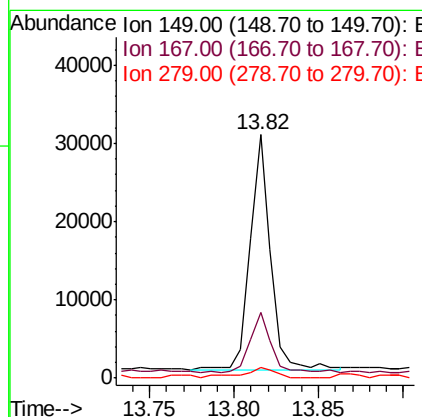
RT: 13.82 min Scan# 1994

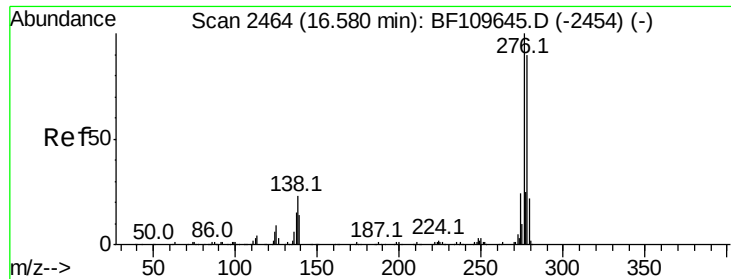
Delta R.T. -0.00 min

Lab File: BF109657.D

Acq: 8 Oct 2018 19:37

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 149  | Resp: | 25865 |
| Ion Ratio |      | Lower | Upper |
| 149       | 100  |       |       |
| 167       | 27.1 | 19.8  | 29.8  |
| 279       | 4.3  | 2.7   | 4.1#  |





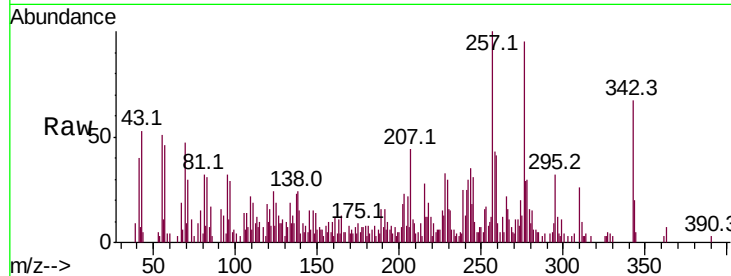
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.062 ng  
 RT: 16.58 min Scan# 2464  
 Delta R.T. -0.00 min  
 Lab File: BF109657.D  
 Acq: 8 Oct 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE-B

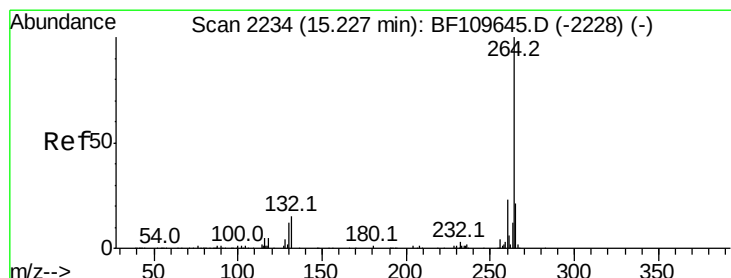
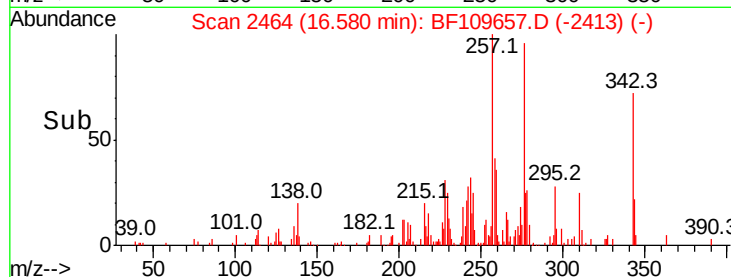
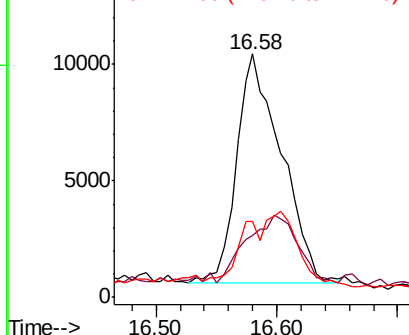
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 18.5  | 27.7# |
| 277     | 15.7  | 20.0  | 30.0# |

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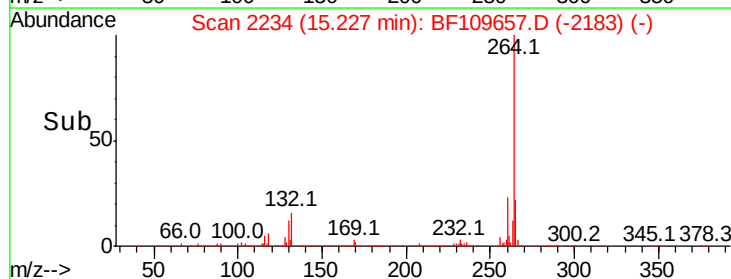
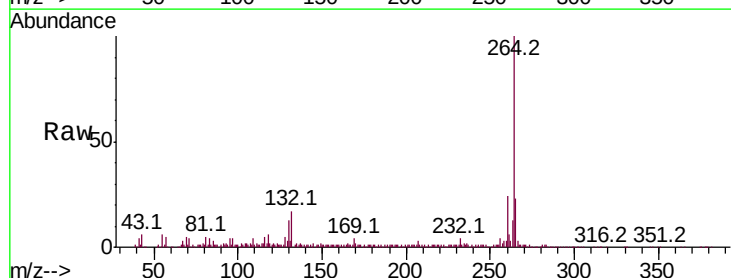
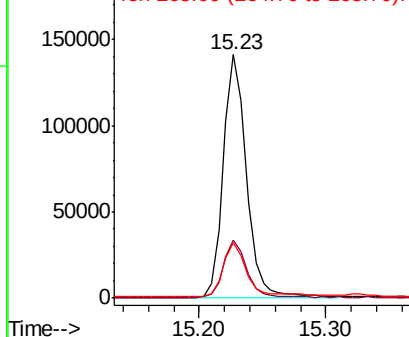
Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

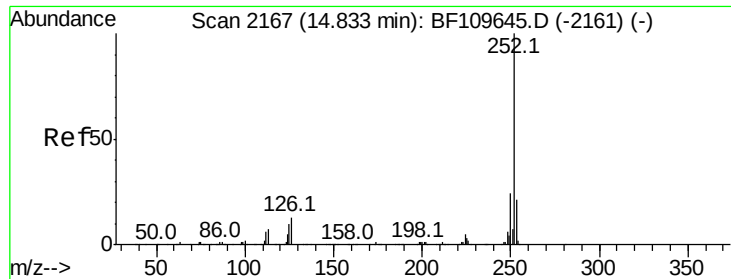


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2234  
 Delta R.T. -0.00 min  
 Lab File: BF109657.D  
 Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.7  | 28.1  |
| 265     | 23.0  | 16.7  | 25.1  |

Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





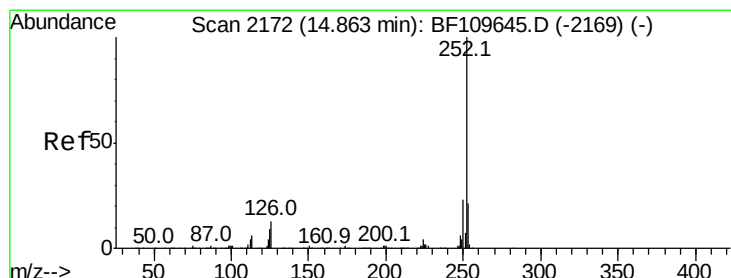
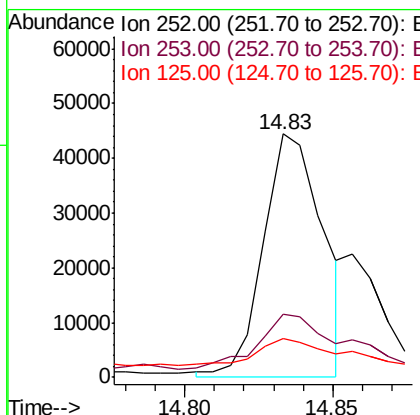
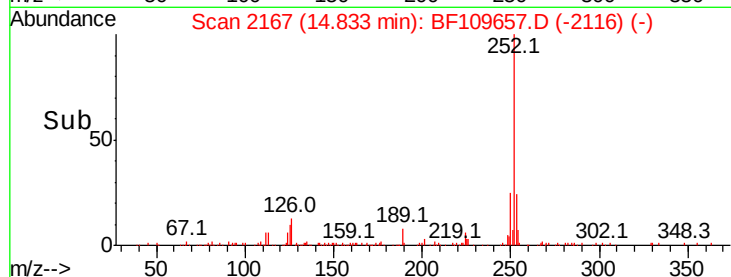
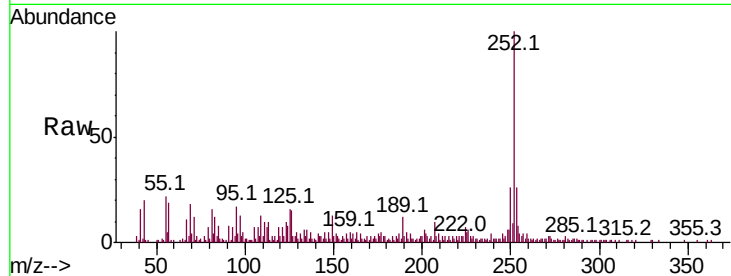
#87  
Benzo(b)fluoranthene  
Concen: 6.274 ng m  
RT: 14.83 min Scan# 2167  
Delta R.T. -0.00 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.0  | 17.2  | 25.8# |
| 125     | 15.8  | 8.2   | 12.4# |

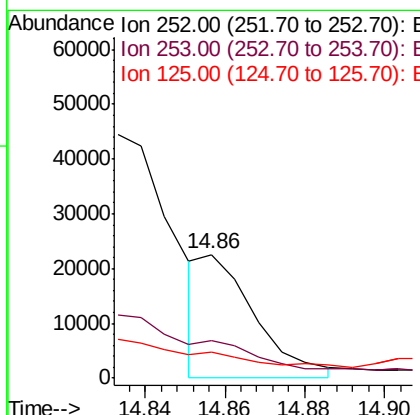
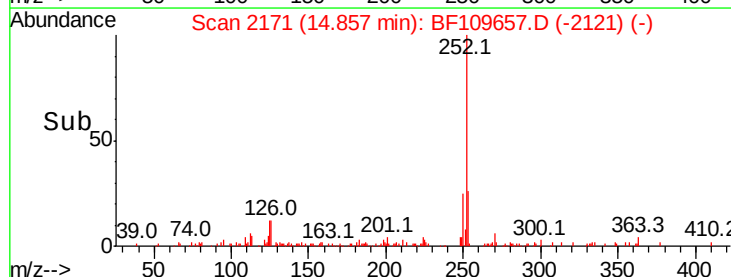
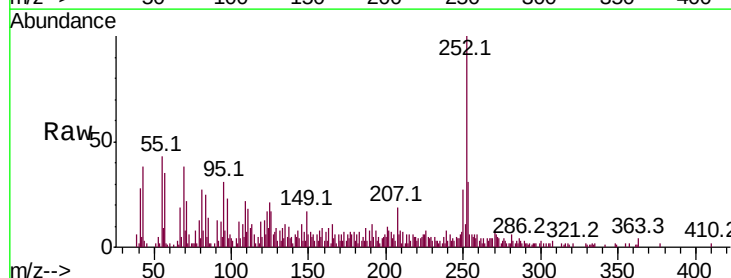
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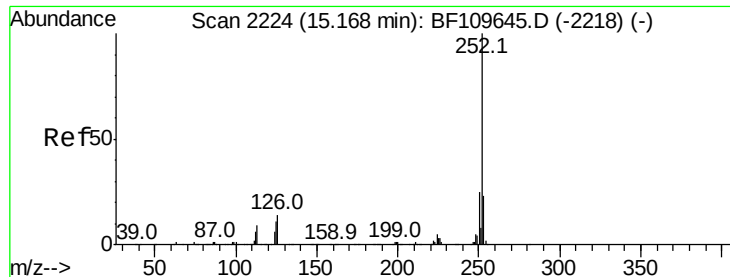
Sohil  
10/9/2018 2:57:33 PM



#88  
Benzo(k)fluoranthene  
Concen: 2.163 ng m  
RT: 14.86 min Scan# 2171  
Delta R.T. -0.01 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.9  | 17.2  | 25.8# |
| 125     | 21.3  | 7.4   | 11.0# |





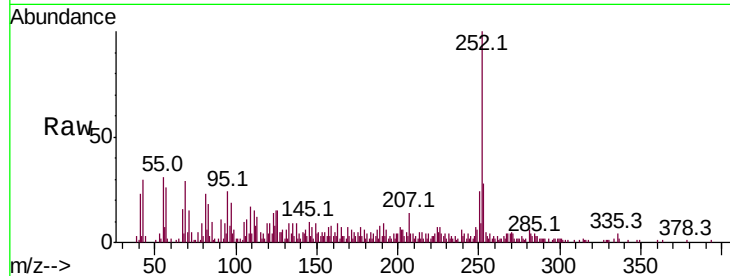
#89  
Benzo(a)pyrene  
Concen: 4.251 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. 0.01 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE-B

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 28.0  | 18.2       | 27.4# |
| 125     | 15.1  | 9.0        | 13.6# |

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Sohil  
10/9/2018 2:57:33 PM

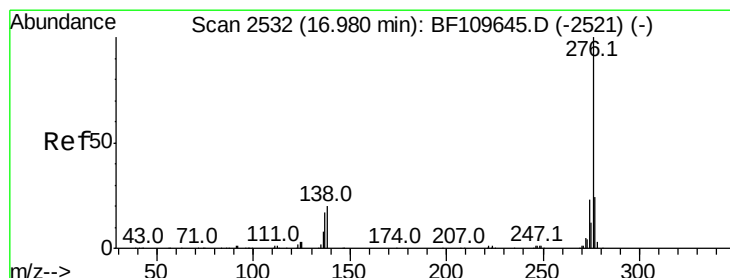
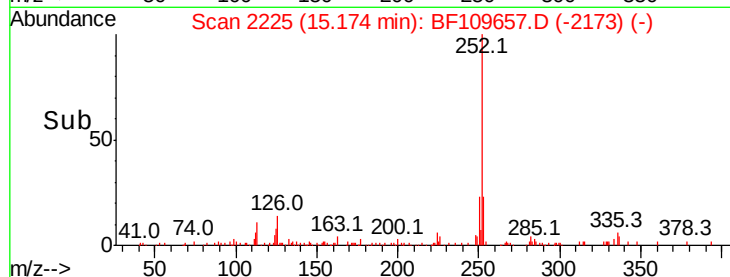
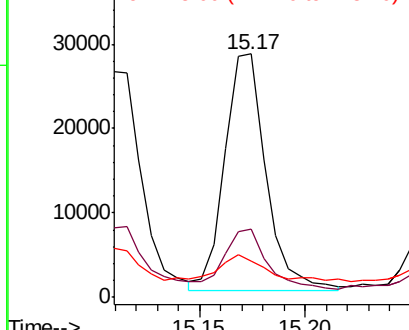


Abundance

Ion 252.00 (251.70 to 252.70): E

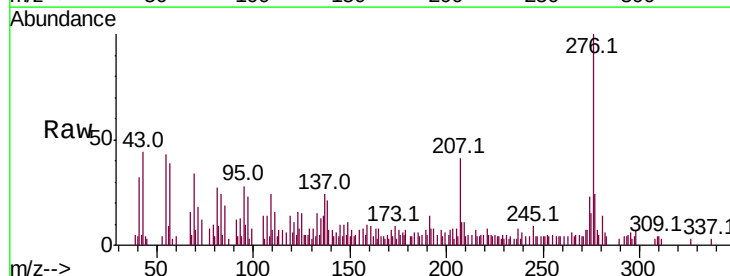
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 2.927 ng  
RT: 16.98 min Scan# 2532  
Delta R.T. -0.00 min  
Lab File: BF109657.D  
Acq: 8 Oct 2018 19:37

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 24.3  | 18.8       | 28.2  |
| 138     | 21.5  | 16.0       | 24.0  |



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

