

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070617\  
 Data File : BF096529.D  
 Acq On : 6 Jul 2017 13:26  
 Operator : SJ/MA  
 Sample : I4053-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-070317-B

Manual Integrations  
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mohammad  
 7/7/2017 1:29:55 PM

Quant Time: Jul 06 18:56:31 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 05 13:27:10 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.71  | 152  | 127289   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.99  | 136  | 511549   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 213155   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.23 | 188  | 311083   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 225046   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.28 | 264  | 194275   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.33  | 112  | 778651   | 90.29 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 944280   | 89.06 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 537633   | 63.15 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 144345   | 86.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 947989   | 76.04 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 558664   | 53.05 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                 | 6.36  | 94   | 30394    | 2.516  | ng    | 93     |
| 31) Naphthalene            | 8.02  | 128  | 56842    | 2.354  | ng    | 99     |
| 37) 2-Methylnaphthalene    | 8.71  | 142  | 59978    | 3.902  | ng    | 94     |
| 48) Acenaphthylene         | 9.60  | 152  | 92892    | 4.307  | ng    | 97     |
| 49) Dimethylphthalate      | 9.47  | 163  | 240303   | 15.102 | ng    | 98     |
| 51) Acenaphthene           | 9.78  | 154  | 48086    | 3.617  | ng    | 99     |
| 54) Dibenzofuran           | 9.95  | 168  | 41659    | 2.374  | ng    | # 90   |
| 57) Fluorene               | 10.29 | 166  | 113748   | 9.176  | ng    | 99     |
| 70) Phenanthrene           | 11.26 | 178  | 389039   | 23.134 | ng    | 99     |
| 71) Anthracene             | 11.30 | 178  | 121231   | 7.074  | ng    | 97     |
| 74) Fluoranthene           | 12.44 | 202  | 375624   | 22.782 | ng    | 99     |
| 77) Pyrene                 | 12.67 | 202  | 446033   | 24.692 | ng    | 99     |
| 80) Benzo(a)anthracene     | 13.86 | 228  | 212748m  | 16.325 | ng    |        |
| 82) Chrysene               | 13.89 | 228  | 214709   | 15.733 | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene | 16.65 | 276  | 177148   | 16.445 | ng    | 95     |
| 87) Benzo(b)fluoranthene   | 14.88 | 252  | 330549m  | 27.154 | ng    |        |
| 88) Benzo(k)fluoranthene   | 14.90 | 252  | 91539m   | 8.406  | ng    |        |
| 89) Benzo(a)pyrene         | 15.22 | 252  | 265918   | 24.468 | ng    | 96     |
| 90) Dibenz(a,h)anthracene  | 16.66 | 278  | 43049    | 5.035  | ng    | # 80   |
| 91) Benzo(g,h,i)perylene   | 17.06 | 276  | 162540   | 18.346 | ng    | 97     |

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

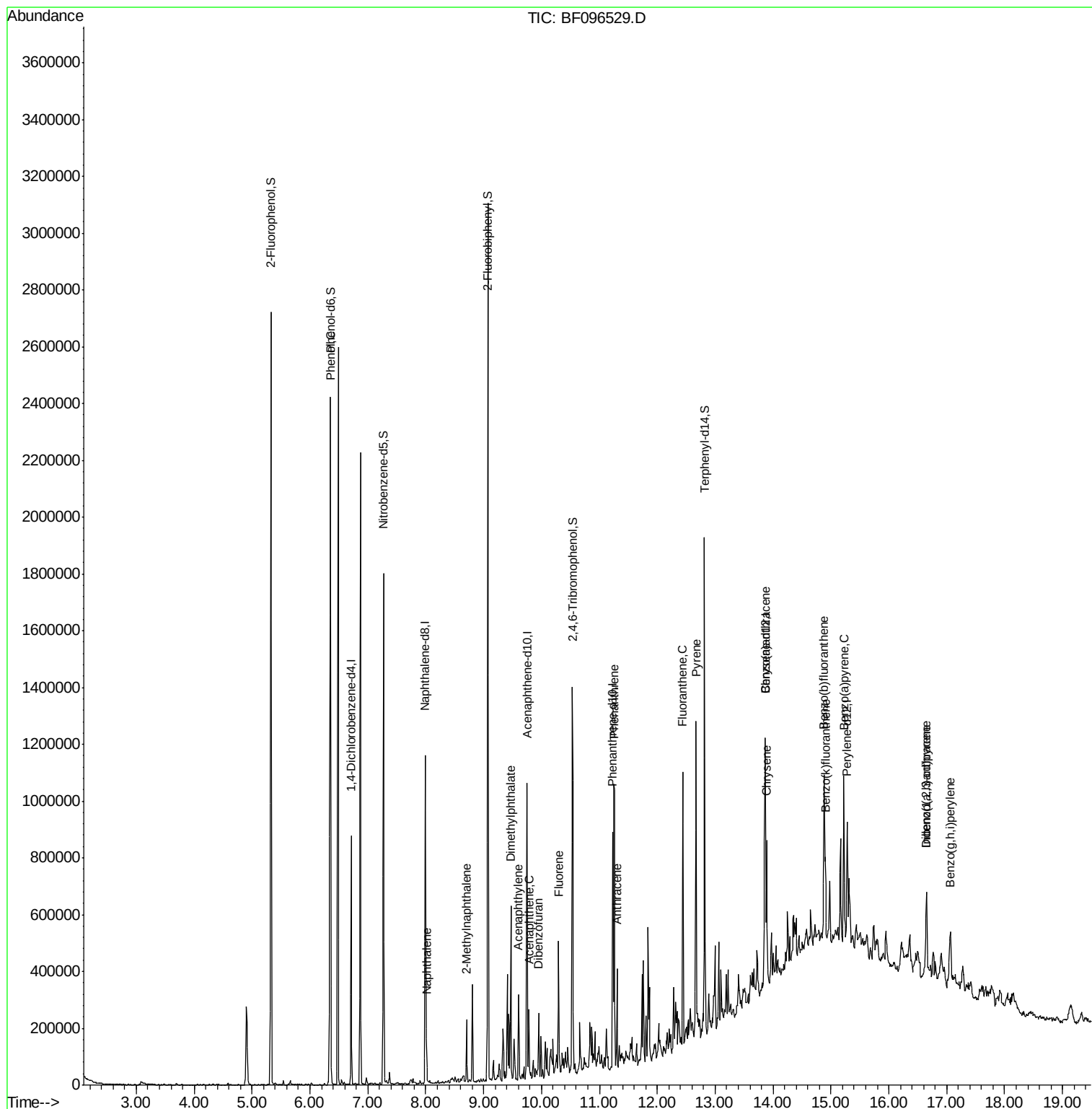
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070617\  
Data File : BF096529.D  
Acq On : 6 Jul 2017 13:26  
Operator : SJ/MA  
Sample : I4053-04  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

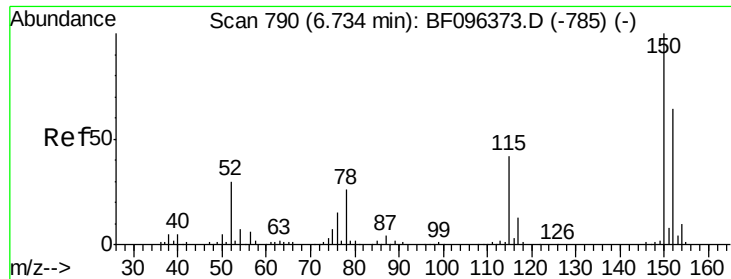
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

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Quant Time: Jul 06 18:56:31 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 05 13:27:10 2017  
Response via : Initial Calibration





#1

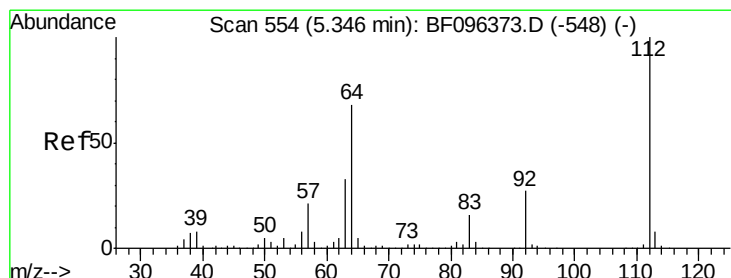
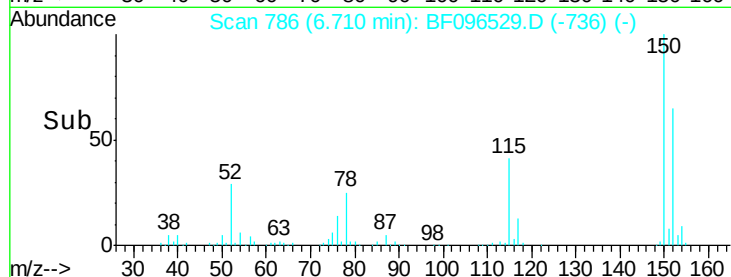
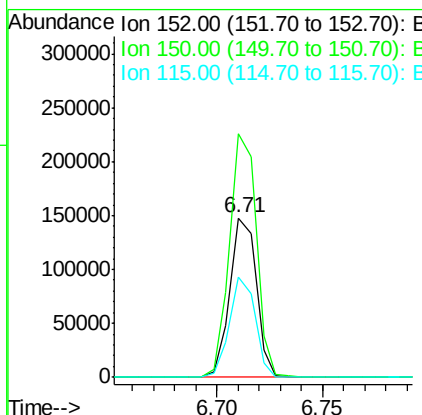
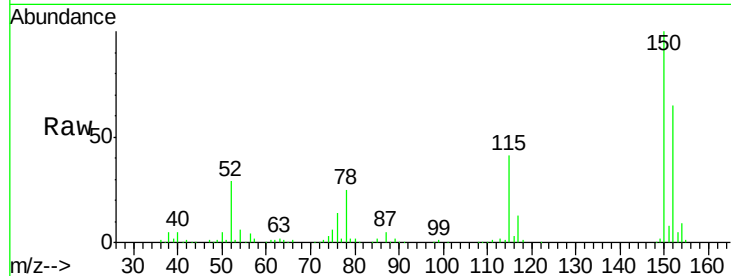
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BF096529.D  
 Acq: 6 Jul 2017 13:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-070317-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 126.2 | 189.2 |
| 115     | 62.8  | 52.2  | 78.2  |

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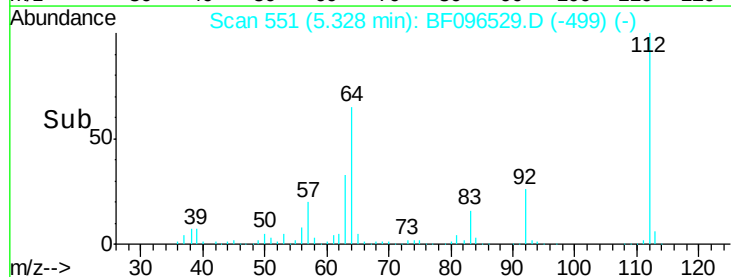
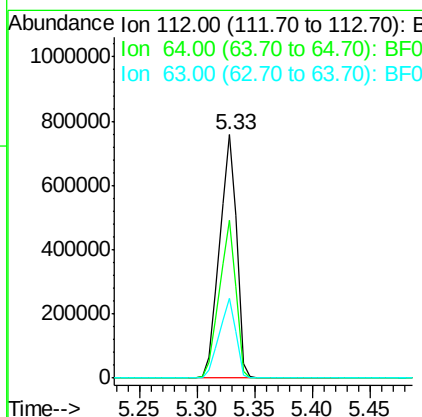
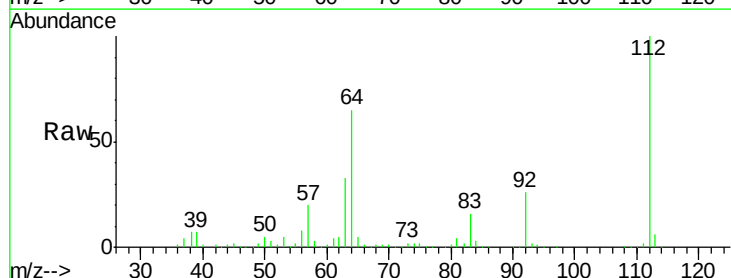
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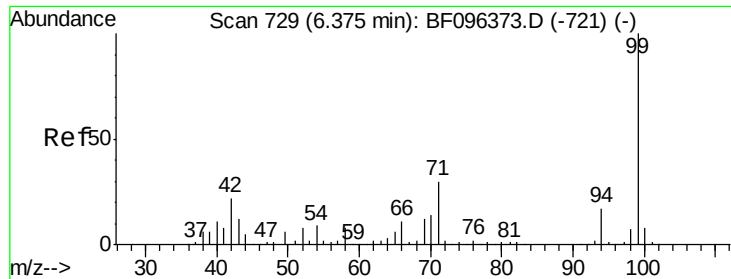


#5

2-Fluorophenol  
 Concen: 90.288 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. 0.01 min  
 Lab File: BF096529.D  
 Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.1  | 46.0  | 69.0  |
| 63      | 33.0  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 89.065 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

Instrument :

BNA\_F

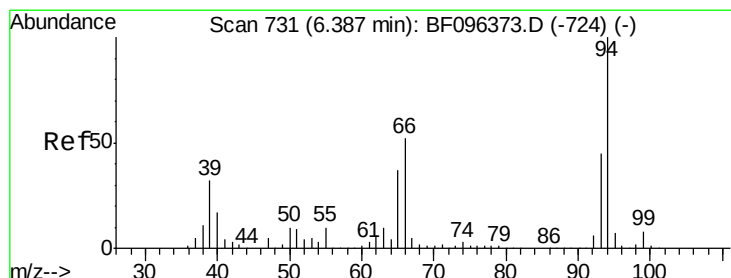
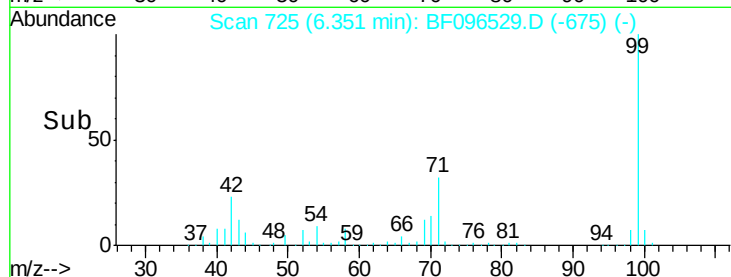
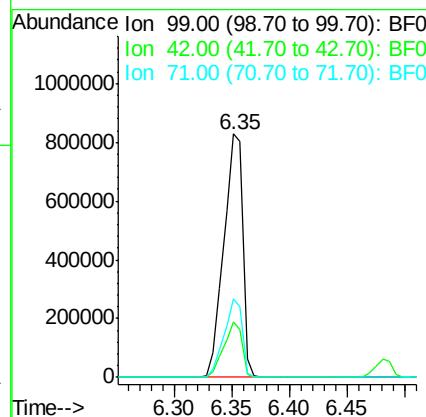
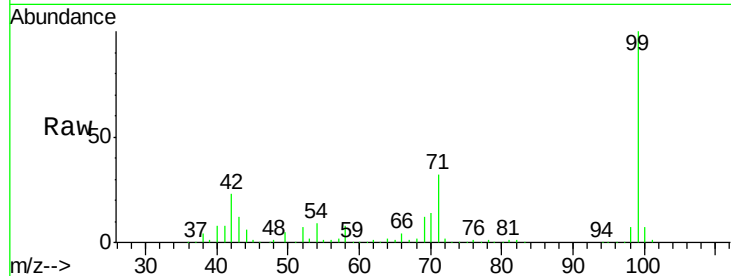
ClientSampleId :

CL-02-070317-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 944280 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 22.6  | 13.5  | 20.3#  |
| 71        | 32.4  | 24.5  | 36.7   |

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#10

Phenol

Concen: 2.516 ng

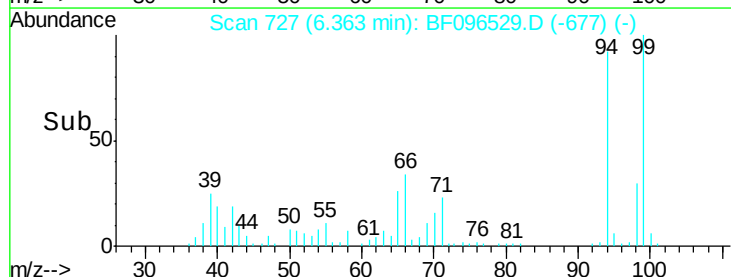
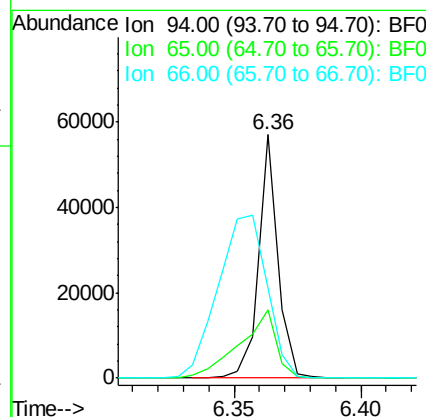
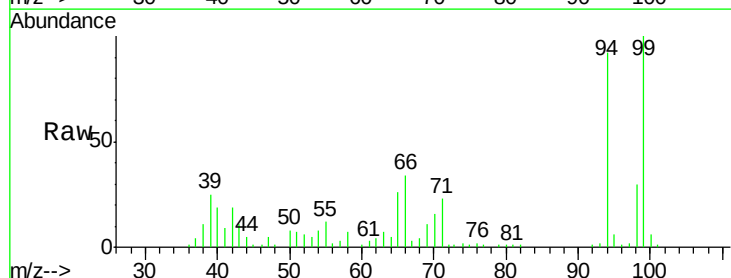
RT: 6.36 min Scan# 727

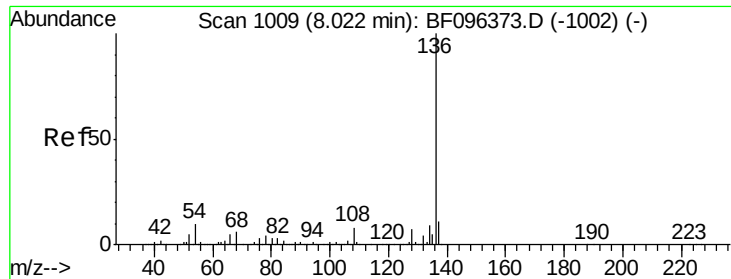
Delta R.T. -0.01 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 30394 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 27.9  | 9.9   | 49.9  |
| 66        | 37.2  | 23.1  | 63.1  |





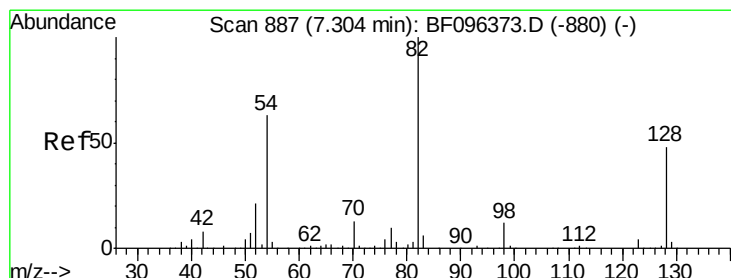
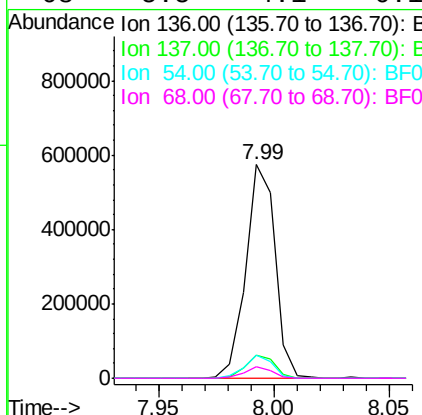
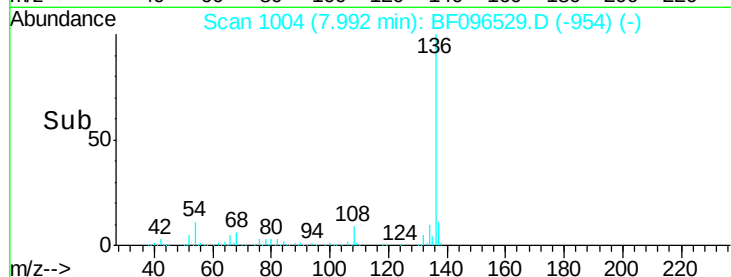
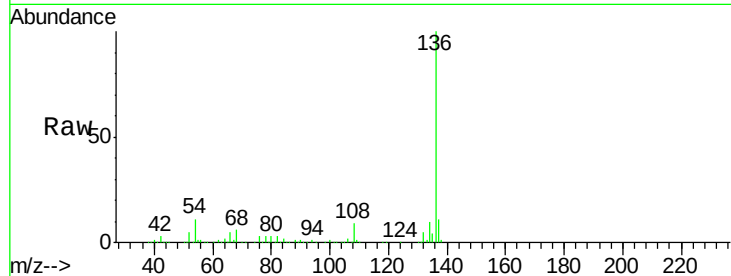
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 511549 |       |       |
| 137     | 11.0 | 8.5   | 12.7   |       |       |
| 54      | 10.5 | 4.9   | 7.3#   |       |       |
| 68      | 5.5  | 4.1   | 6.1    |       |       |

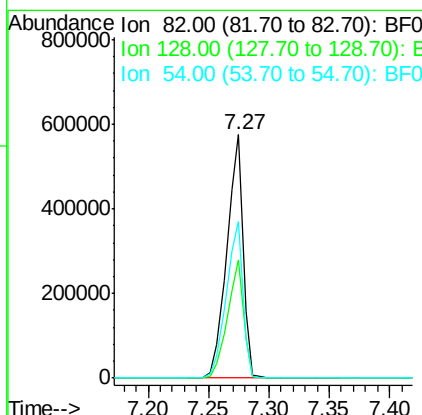
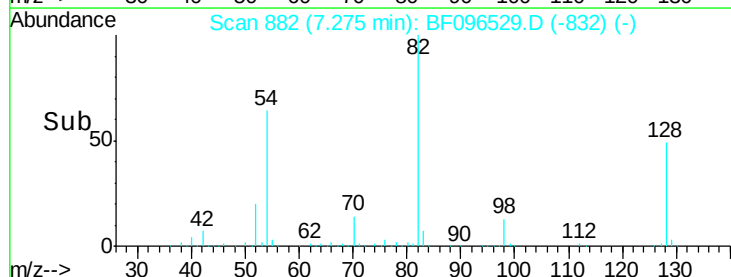
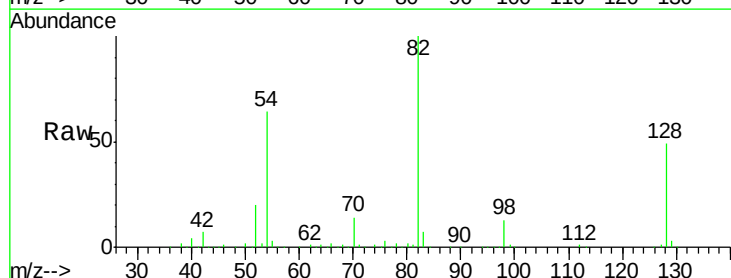
Manual Integrations  
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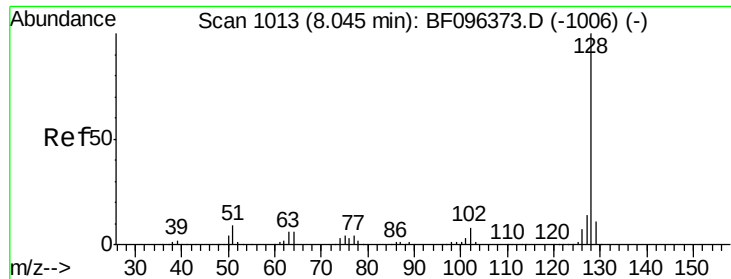
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#23  
Nitrobenzene-d5  
Concen: 63.155 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 537633 |       |       |
| 128     | 48.7 | 34.0  | 51.0   |       |       |
| 54      | 64.4 | 42.2  | 63.2#  |       |       |





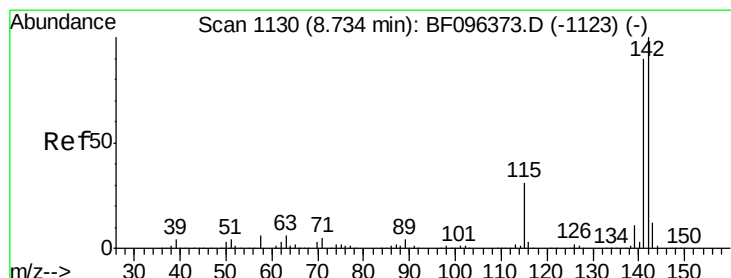
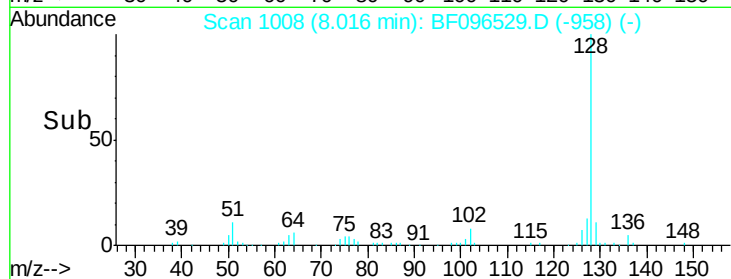
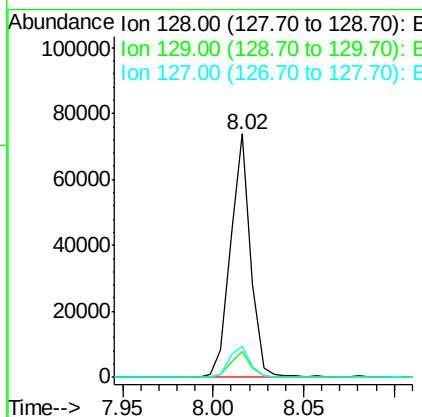
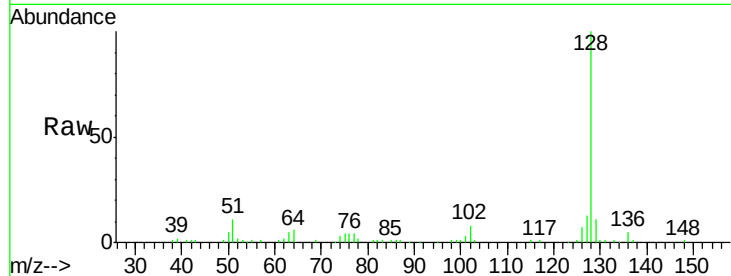
#31  
Naphthalene  
Concen: 2.354 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 9.0   | 13.6  |
| 127     | 12.9  | 10.8  | 16.2  |

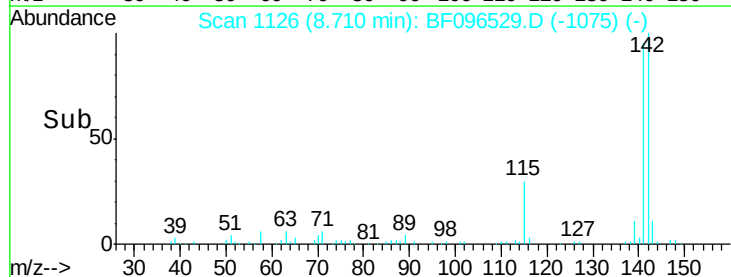
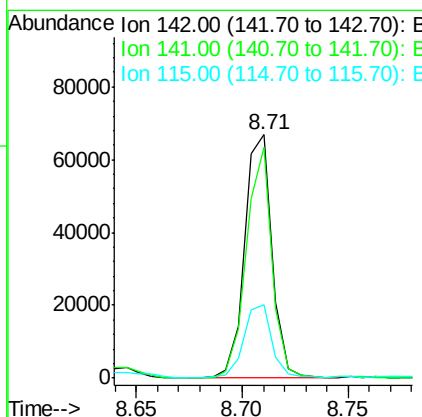
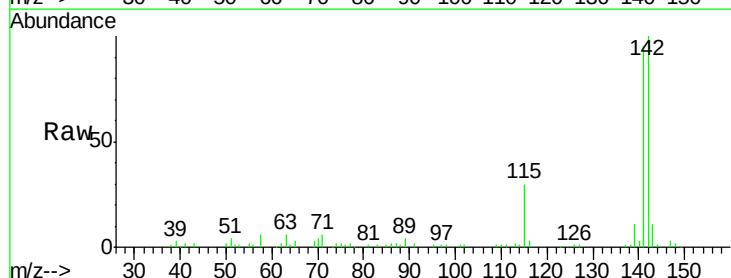
Manual Integrations  
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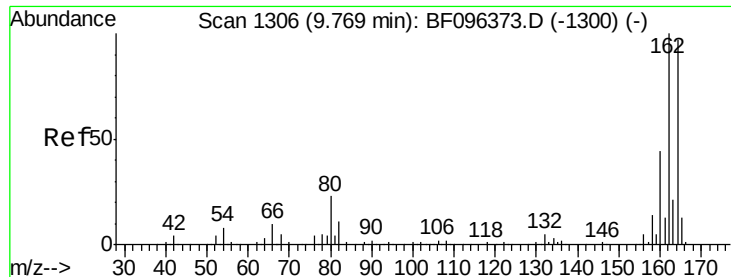
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7/7/2017 1:29:55 PM



#37  
2-Methylnaphthalene  
Concen: 3.902 ng  
RT: 8.71 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.9  | 71.3  | 106.9 |
| 115     | 30.0  | 27.1  | 40.7  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

Instrument :

BNA\_F

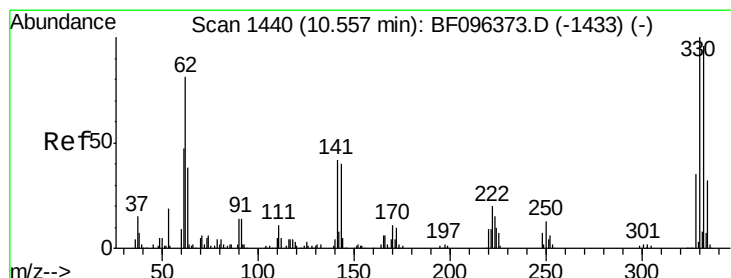
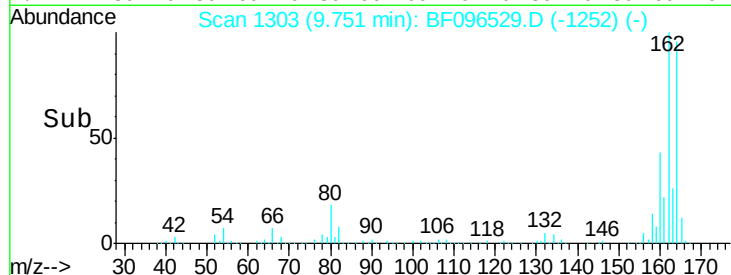
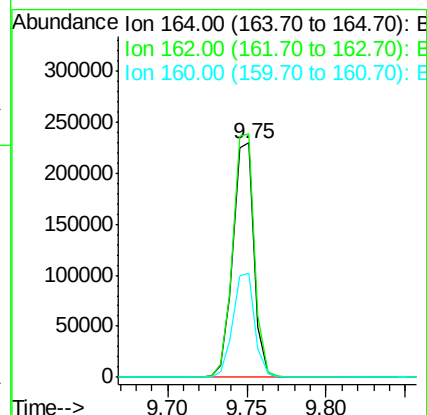
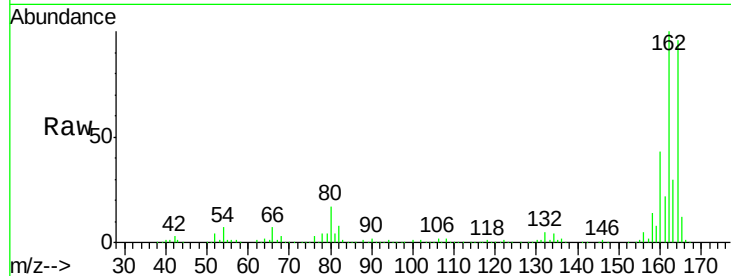
ClientSampleId :

CL-02-070317-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 213155 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.0 | 82.6  | 123.8  |
| 160       | 44.5  | 36.2  | 54.2   |

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#41

2,4,6-Tribromophenol

Concen: 86.694 ng

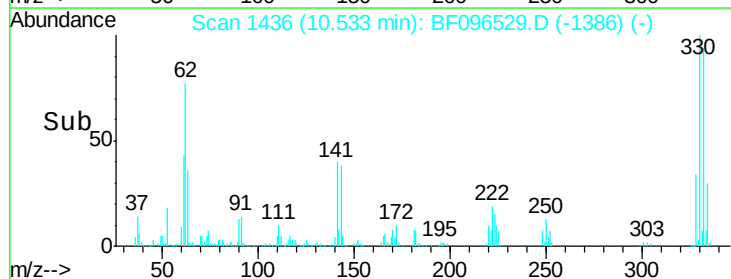
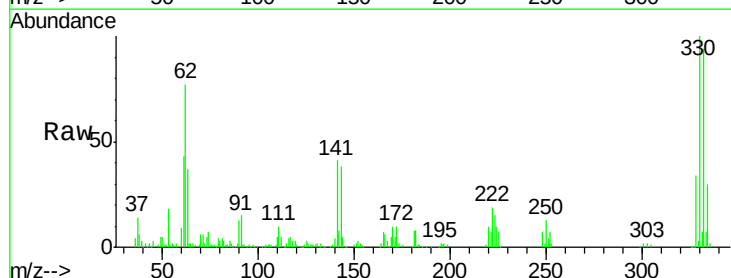
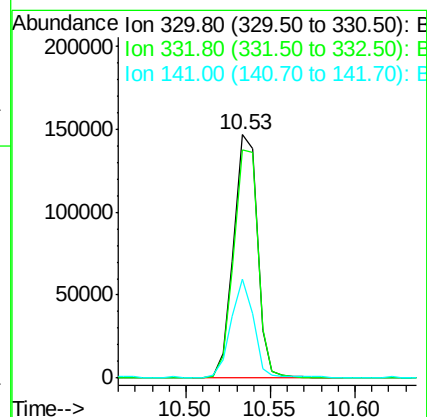
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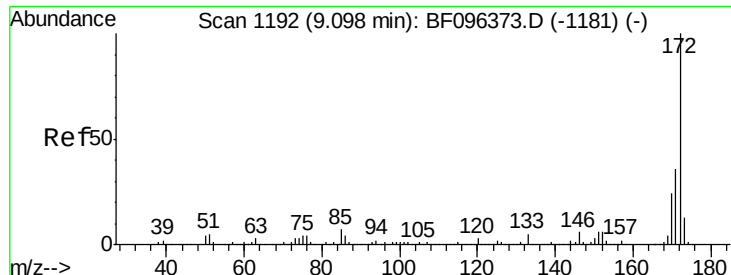
Delta R.T. -0.01 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

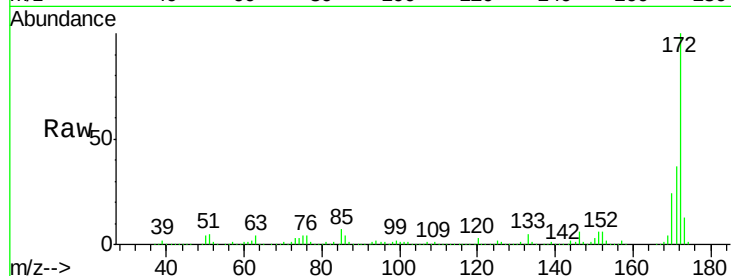
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|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 144345 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.4  | 76.6  | 115.0  |
| 141       | 37.2  | 31.4  | 47.2   |





#44  
2-Fluorobiphenyl  
Concen: 76.041 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

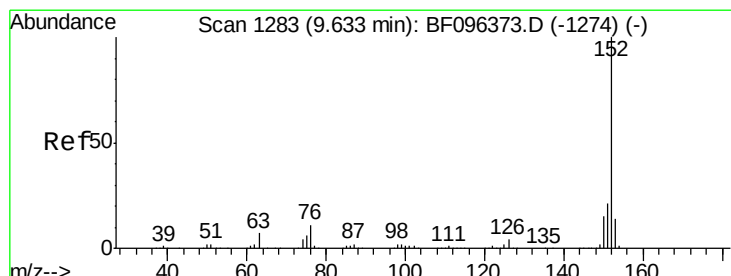
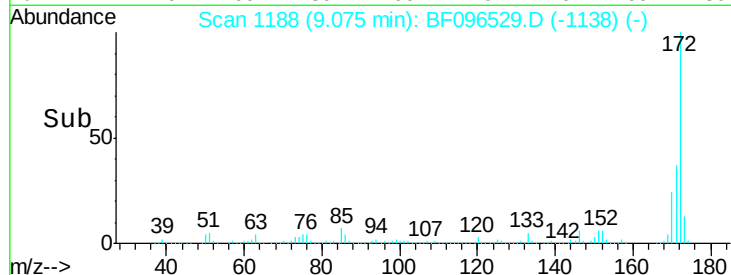
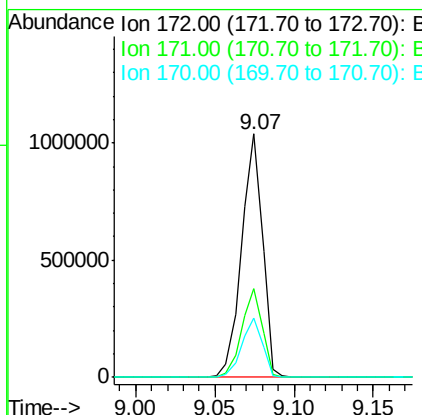
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 947989 |       |       |
| 171     | 36.7  | 29.6   | 44.4  |       |
| 170     | 24.3  | 19.8   | 29.8  |       |

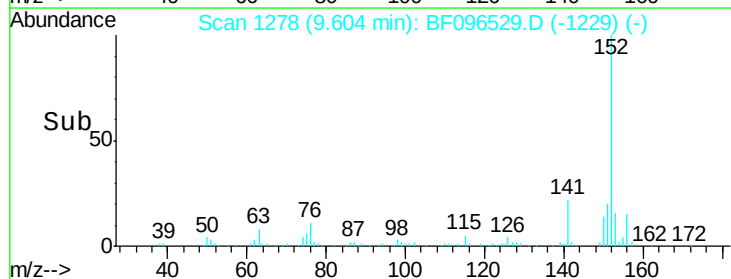
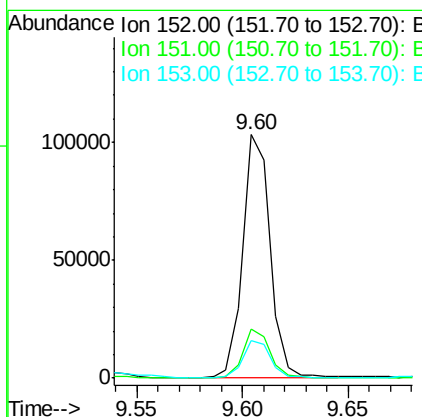
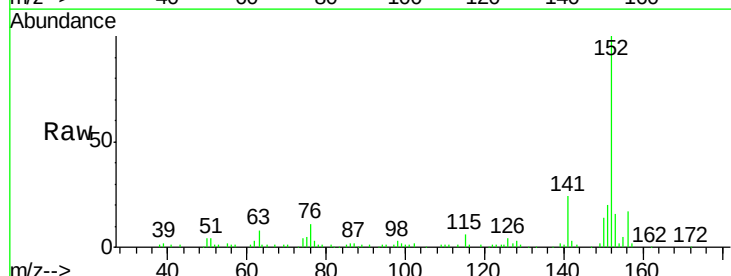
Manual Integrations  
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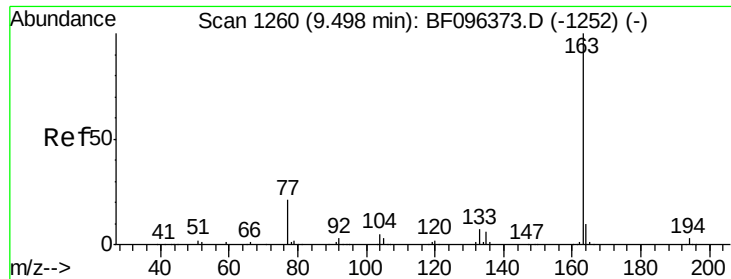


#48  
Acenaphthylene  
Concen: 4.307 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 92892 |       |       |
| 151     | 20.0  | 16.8  | 25.2  |       |
| 153     | 15.7  | 10.8  | 16.2  |       |







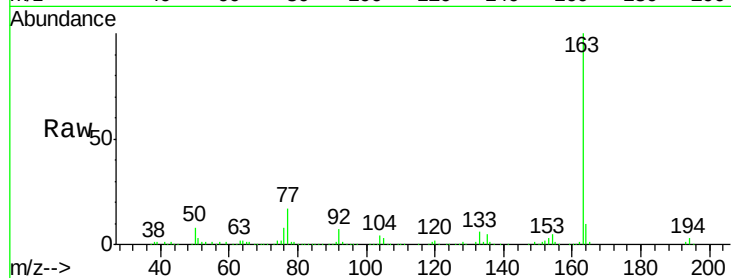
#49  
Dimethylphthalate  
Concen: 15.102 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

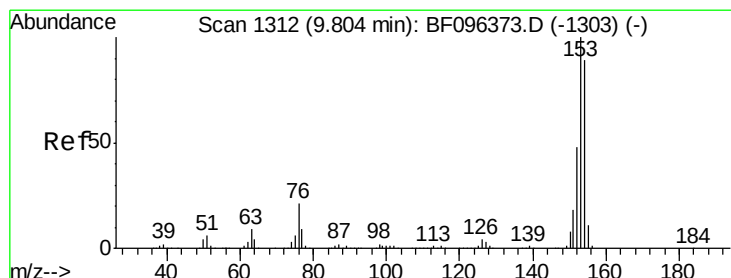
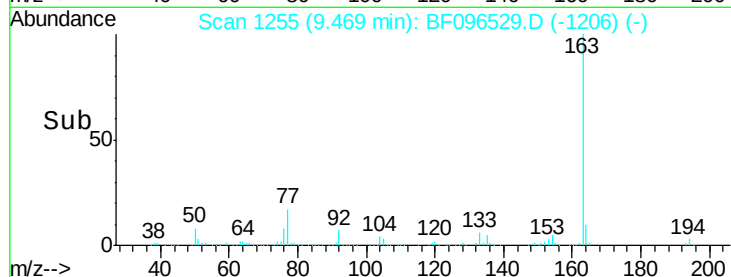
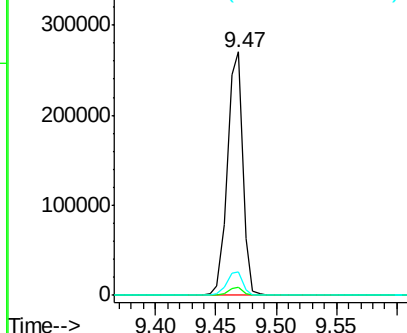
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 240303 |       |       |
| 194     | 3.3   | 2.6    | 4.0   |       |
| 164     | 9.6   | 8.4    | 12.6  |       |

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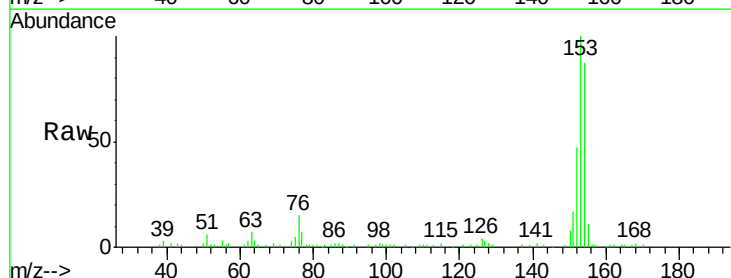


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

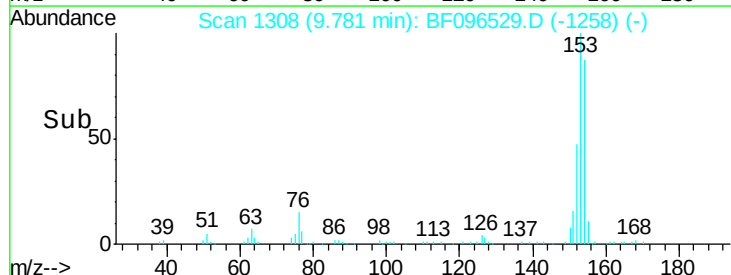
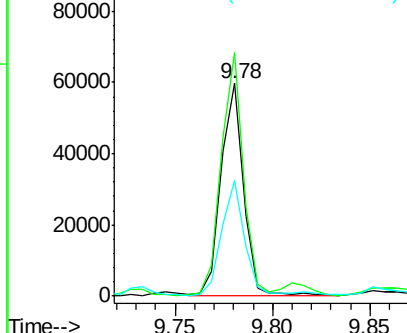


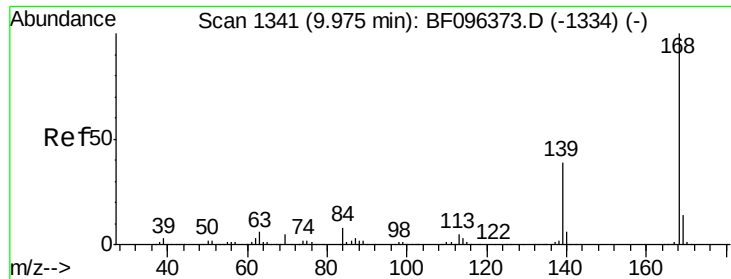
#51  
Acenaphthene  
Concen: 3.617 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 48086 |       |       |
| 153     | 114.5 | 90.5  | 135.7 |       |
| 152     | 54.2  | 43.6  | 65.4  |       |



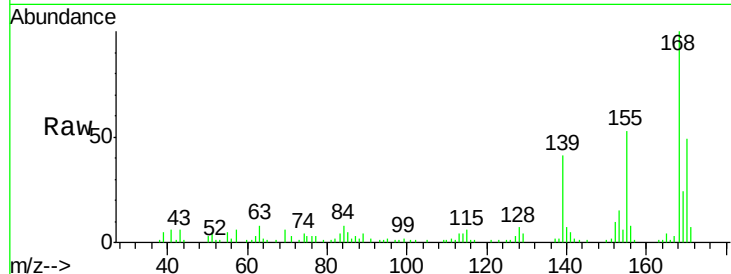
Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#54  
Dibenzenofuran  
Concen: 2.374 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

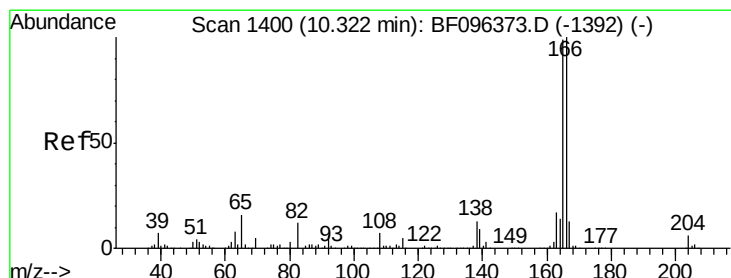
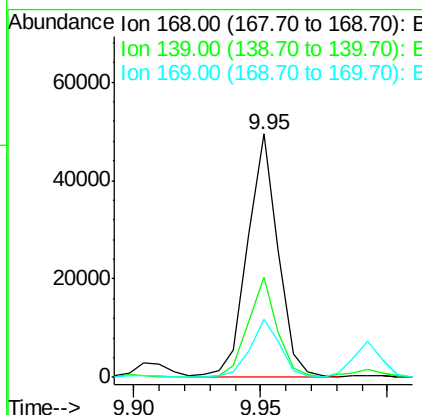
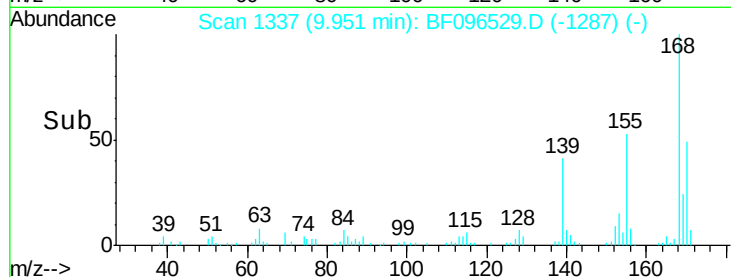
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B



Tgt Ion:168 Resp: 41659  
Ion Ratio Lower Upper  
168 100  
139 41.3 30.6 45.8  
169 23.6 10.8 16.2#

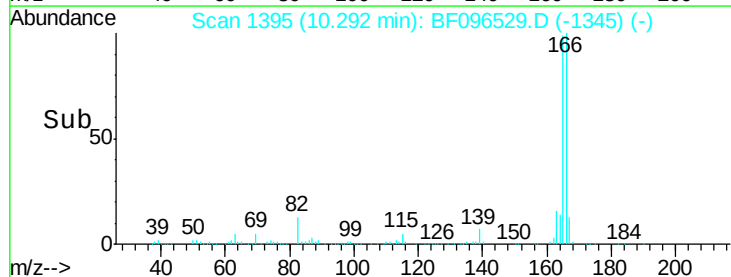
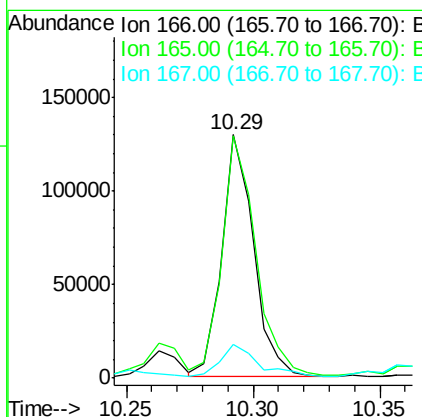
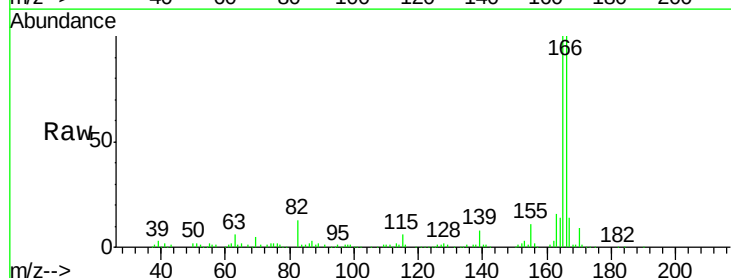
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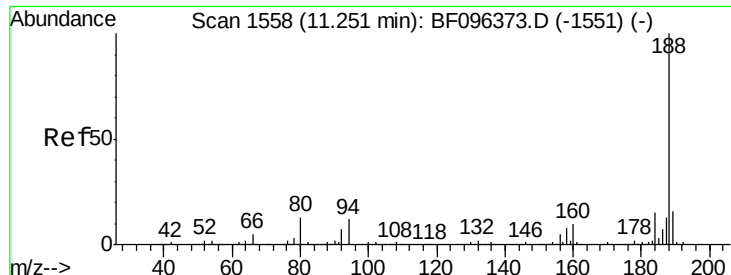
mohammad  
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#57  
Fluorene  
Concen: 9.176 ng  
RT: 10.29 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Tgt Ion:166 Resp: 113748  
Ion Ratio Lower Upper  
166 100  
165 99.6 78.8 118.2  
167 14.1 10.6 16.0





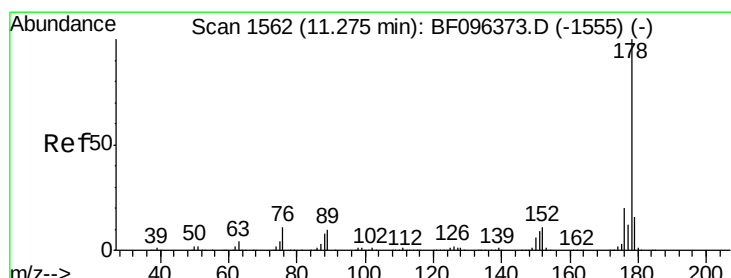
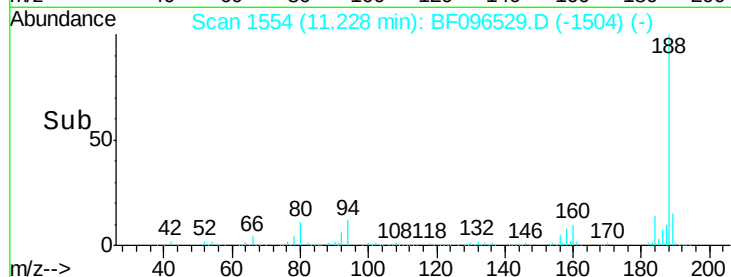
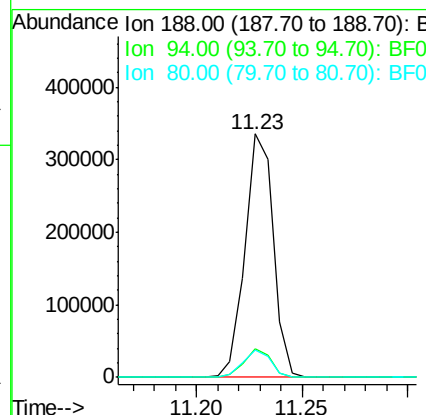
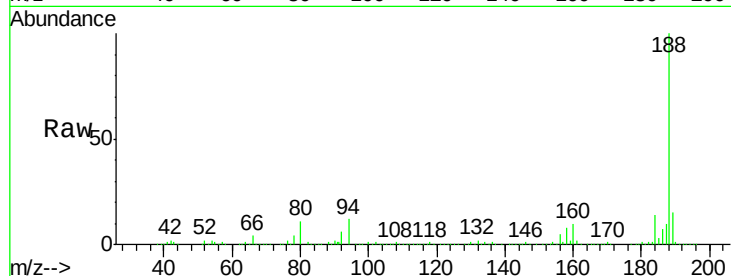
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. -0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 311083 |       |       |
| 94      | 11.8  | 9.4    | 14.2  |       |
| 80      | 11.4  | 10.2   | 15.2  |       |

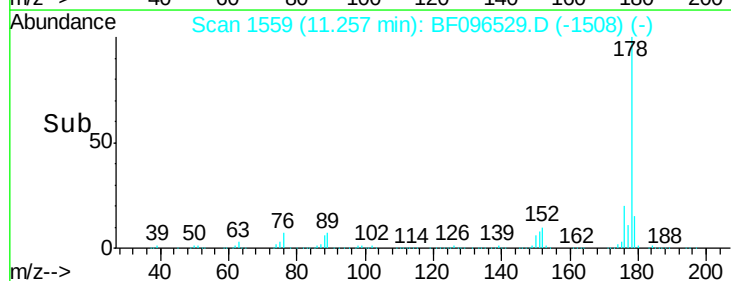
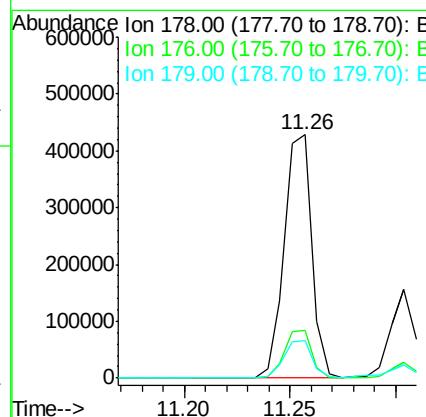
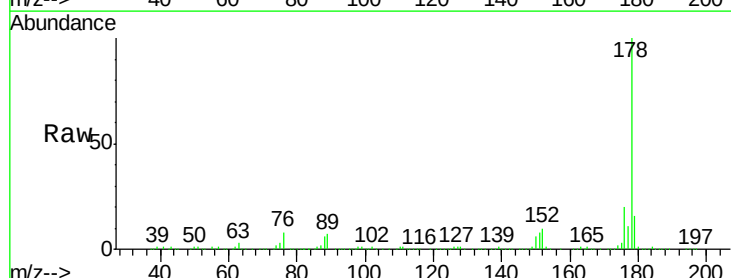
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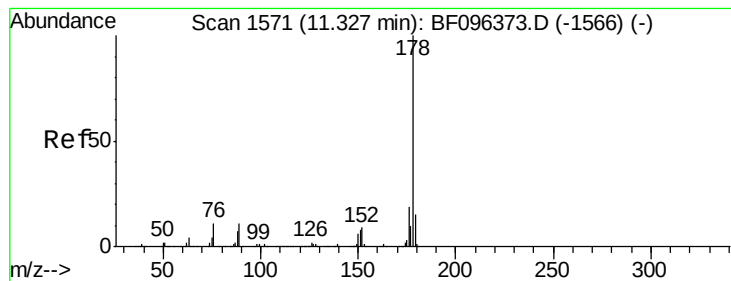
mohammad  
7/7/2017 1:29:55 PM



#70  
Phenanthrene  
Concen: 23.134 ng  
RT: 11.26 min Scan# 1559  
Delta R.T. 0.00 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 389039 |       |       |
| 176     | 19.8  | 16.2   | 24.4  |       |
| 179     | 15.5  | 12.6   | 19.0  |       |





#71

Anthracene

Concen: 7.074 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

Instrument :

BNA\_F

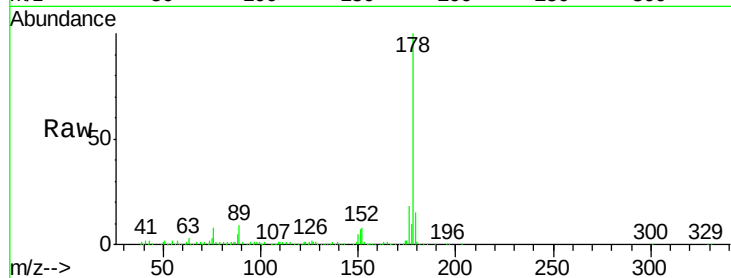
ClientSampleId :

CL-02-070317-B

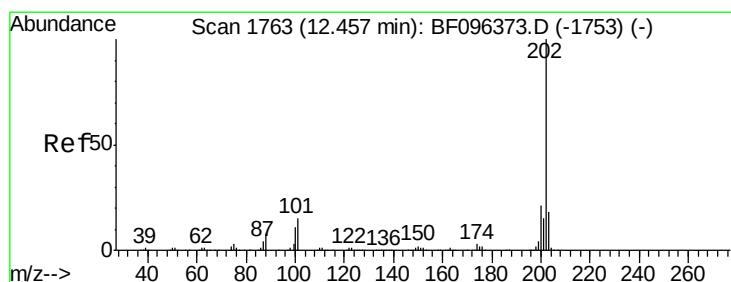
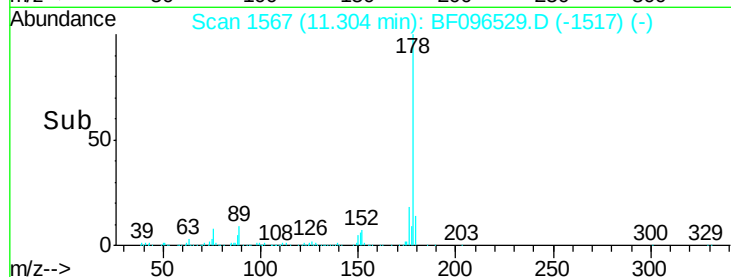
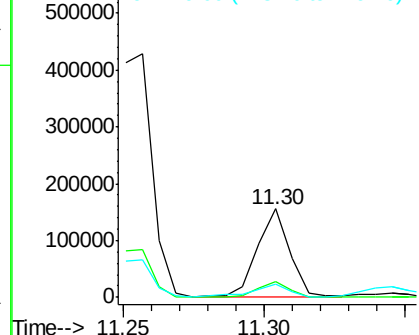
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 121231 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.2  | 15.8  | 23.8   |
| 179       | 14.9  | 12.7  | 19.1   |

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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



#74

Fluoranthene

Concen: 22.782 ng

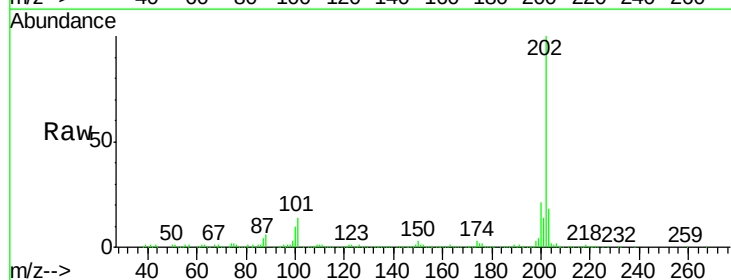
RT: 12.44 min Scan# 1760

Delta R.T. 0.00 min

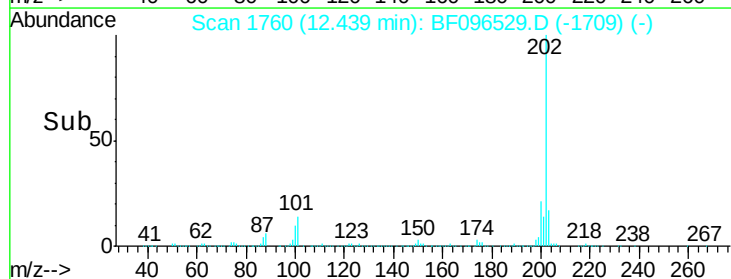
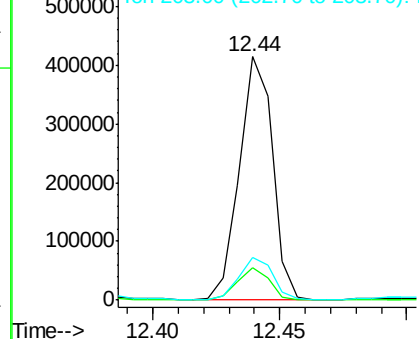
Lab File: BF096529.D

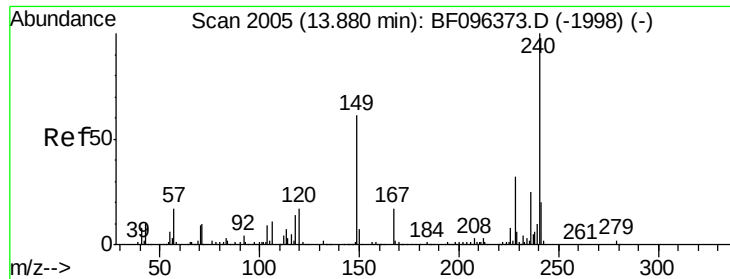
Acq: 6 Jul 2017 13:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 375624 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.5  | 0.0   | 33.2   |
| 203       | 17.5  | 0.0   | 38.1   |



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





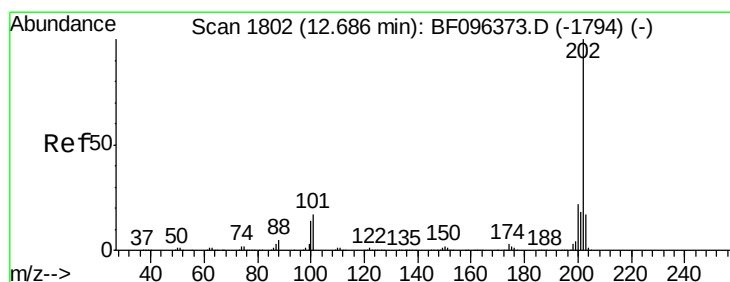
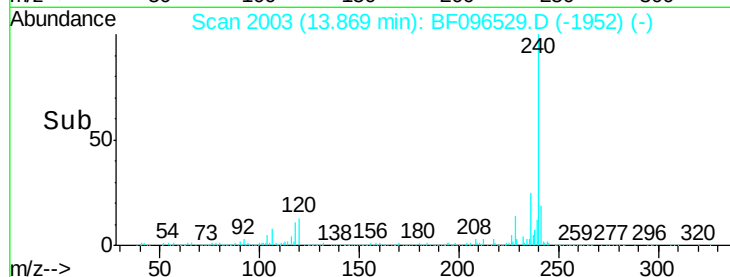
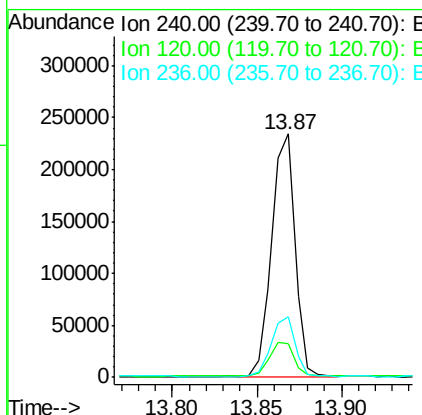
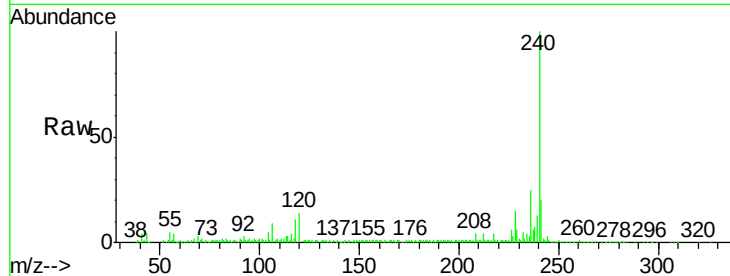
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.6  | 5.8   | 8.8#  |
| 236     | 24.9  | 20.5  | 30.7  |

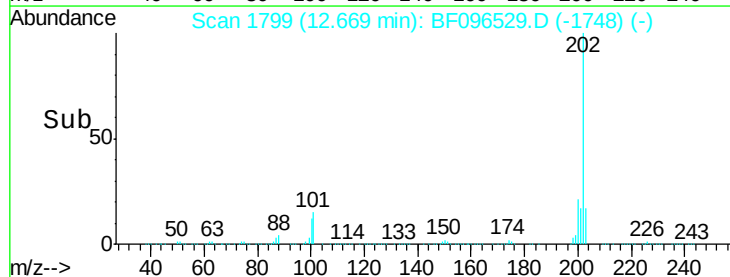
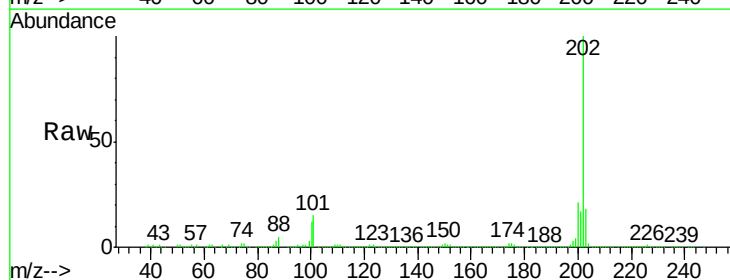
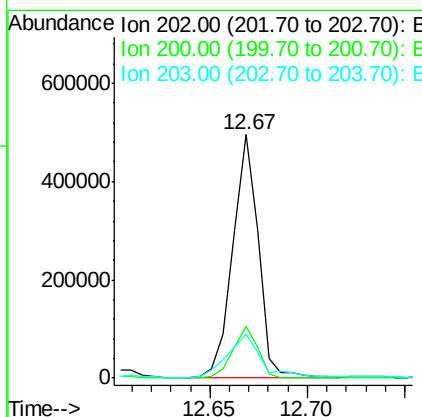
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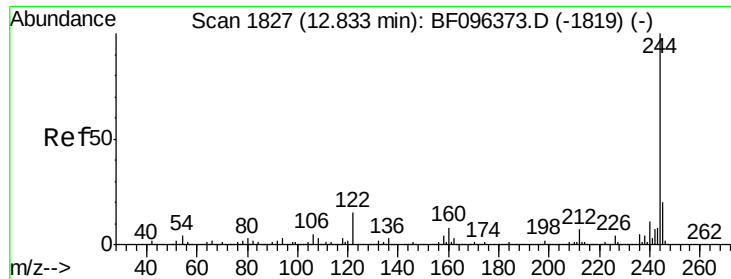
mohammad  
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#77  
Pyrene  
Concen: 24.692 ng  
RT: 12.67 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.4  | 17.6  | 26.4  |
| 203     | 18.0  | 14.4  | 21.6  |





#78

Terphenyl-d14

Concen: 53.046 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

Instrument :

BNA\_F

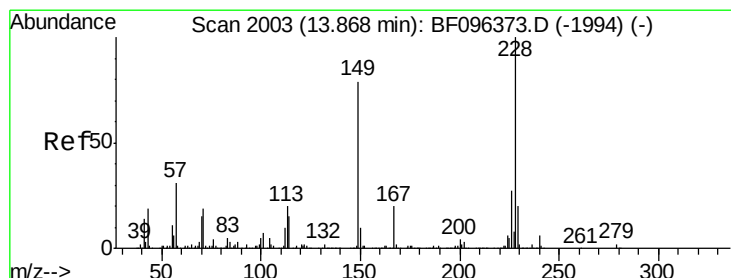
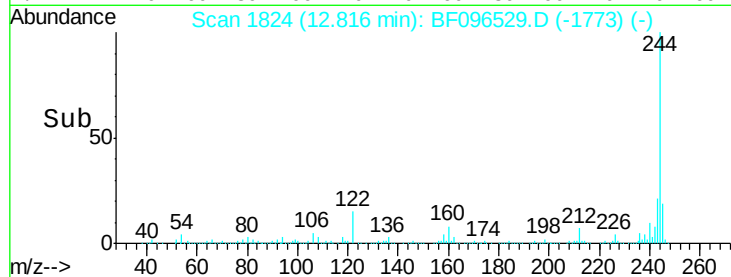
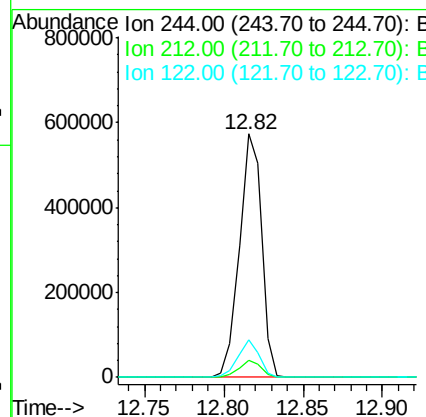
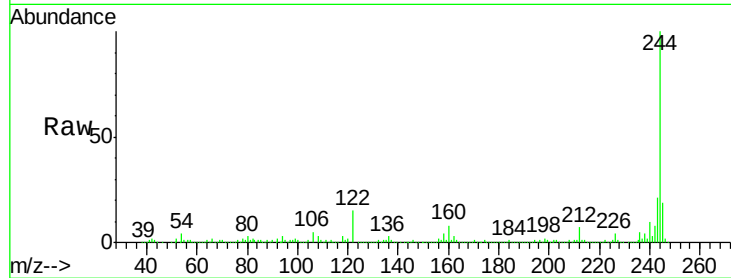
ClientSampleId :

CL-02-070317-B

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 558664 |       |       |
| 212     | 7.1   | 6.0    | 9.0   |       |
| 122     | 15.4  | 10.3   | 15.5  |       |

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#80

Benzo(a)anthracene

Concen: 16.325 ng m

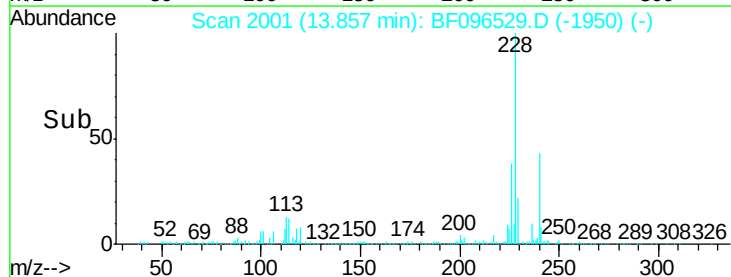
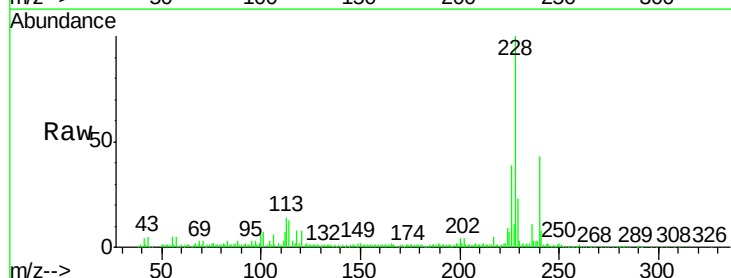
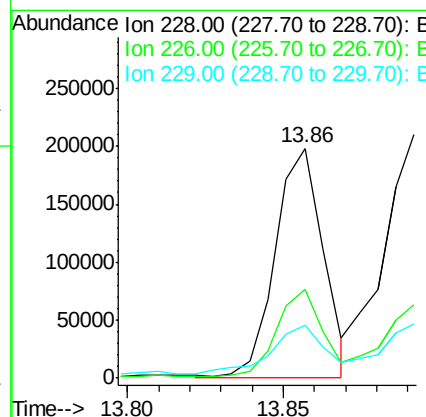
RT: 13.86 min Scan# 2001

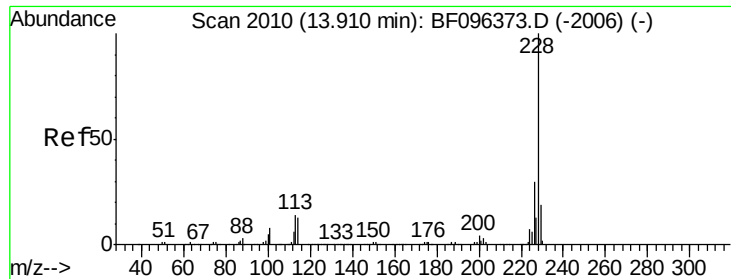
Delta R.T. 0.00 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 212748 |       |       |
| 226     | 38.6  | 22.6   | 33.8# |       |
| 229     | 23.0  | 16.3   | 24.5  |       |





#82

Chrysene

Concen: 15.733 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

Instrument :

BNA\_F

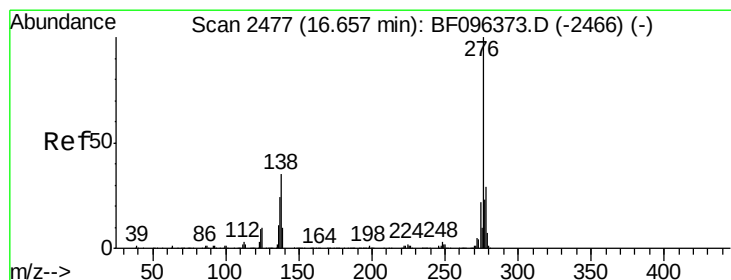
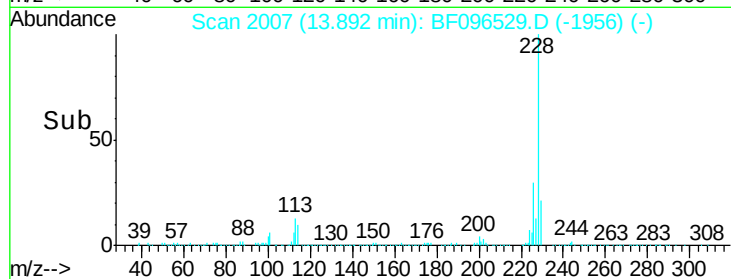
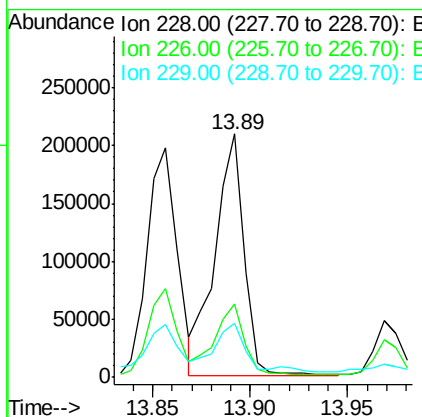
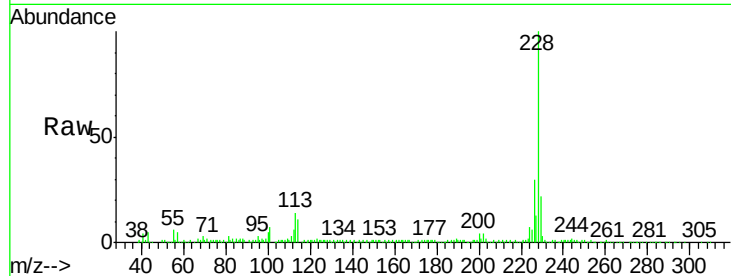
ClientSampleId :

CL-02-070317-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 214709 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.3  | 24.9  | 37.3   |
| 229       | 22.5  | 15.8  | 23.6   |

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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.445 ng

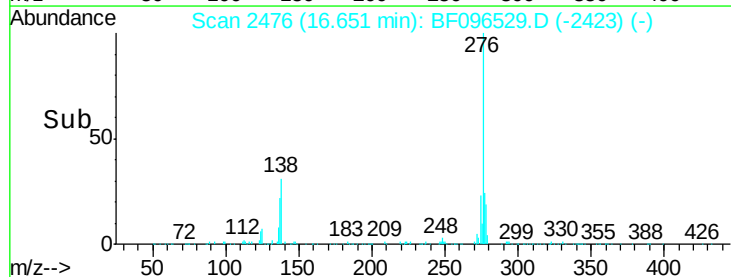
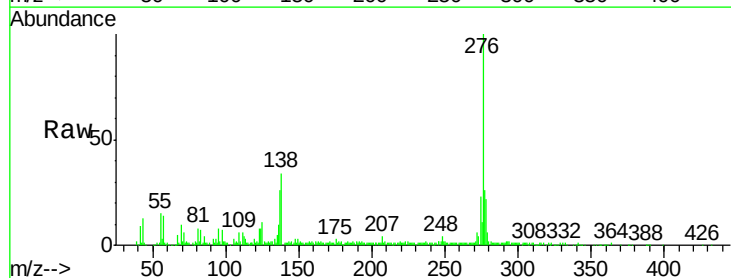
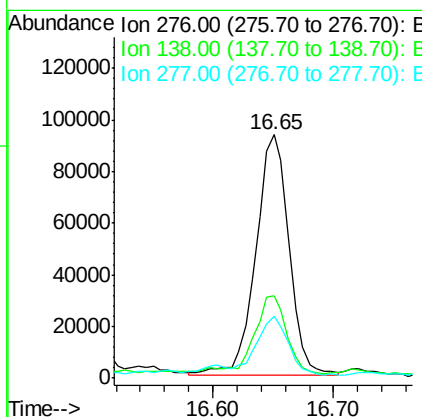
RT: 16.65 min Scan# 2476

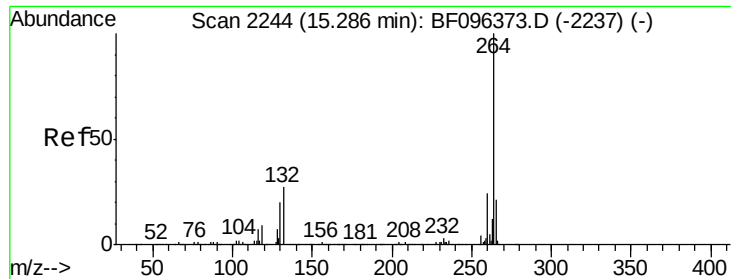
Delta R.T. 0.01 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 177148 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 31.0  | 27.8  | 41.6   |
| 277       | 23.7  | 20.2  | 30.4   |





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

Instrument :

BNA\_F

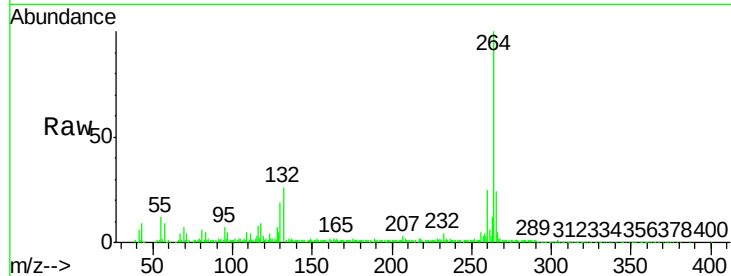
ClientSampleId :

CL-02-070317-B

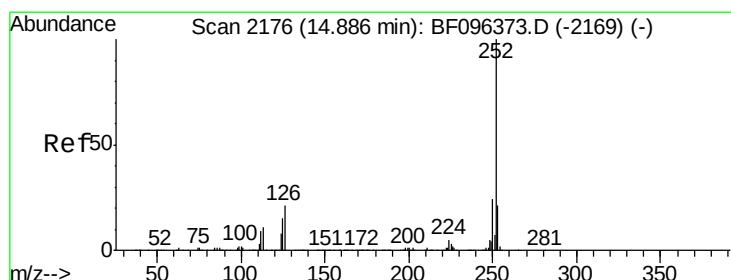
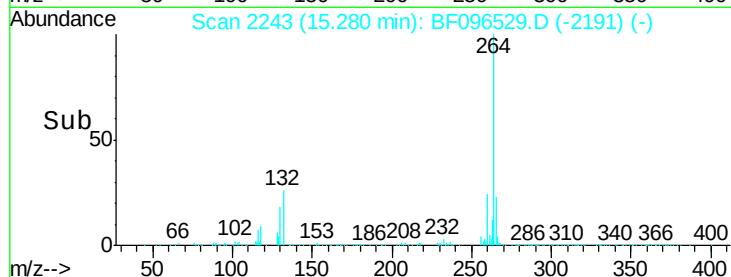
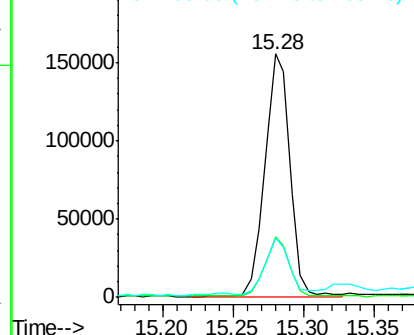
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 194275 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.7  | 19.5  | 29.3   |
| 265       | 24.2  | 17.2  | 25.8   |

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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: 27.154 ng m

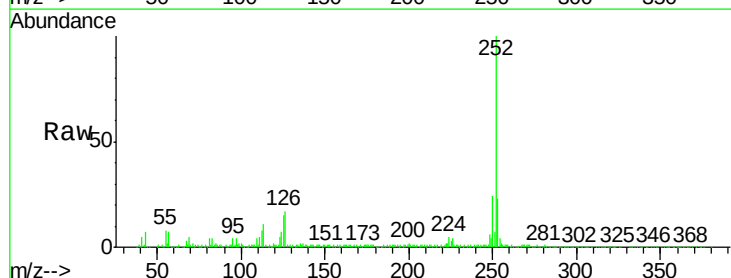
RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

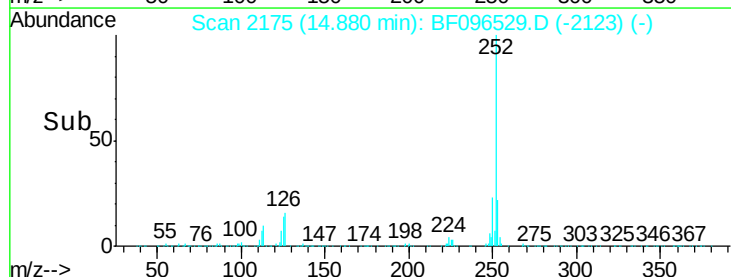
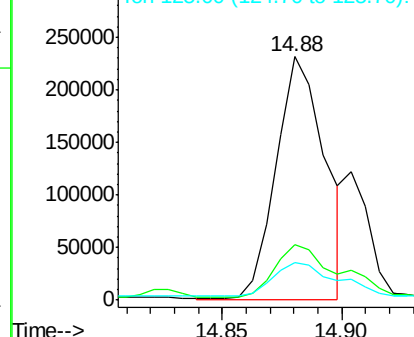
Lab File: BF096529.D

Acq: 6 Jul 2017 13:26

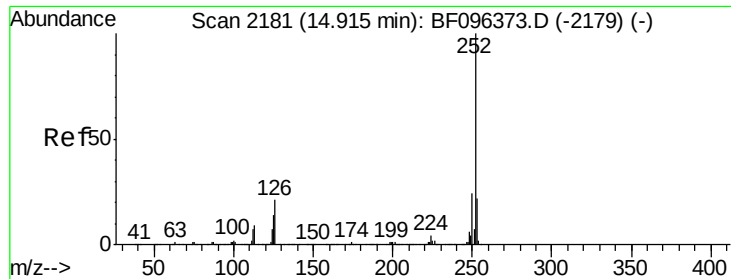
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 330549 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.6  | 18.1  | 27.1   |
| 125       | 15.2  | 9.8   | 14.8#  |



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







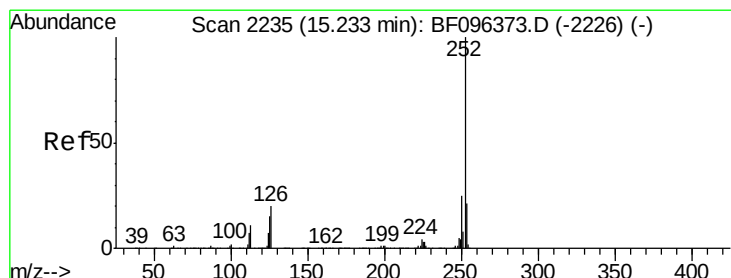
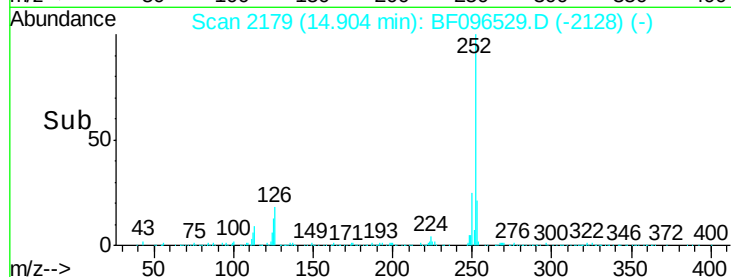
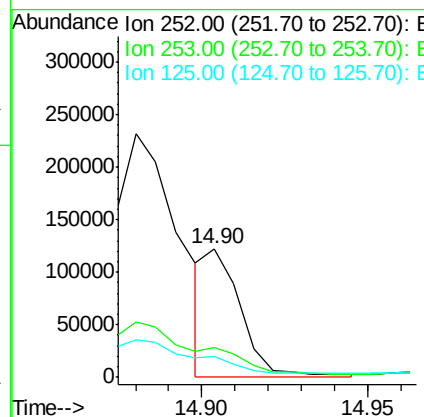
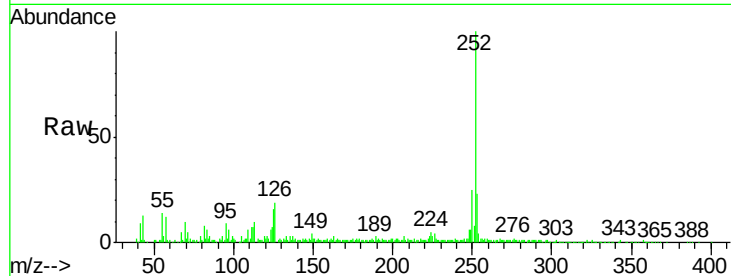
#88  
Benzo(k)fluoranthene  
Concen: 8.406 ng m  
RT: 14.90 min Scan# 2179  
Delta R.T. 0.00 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.4  | 27.6  |
| 125     | 16.1  | 13.1  | 19.7  |

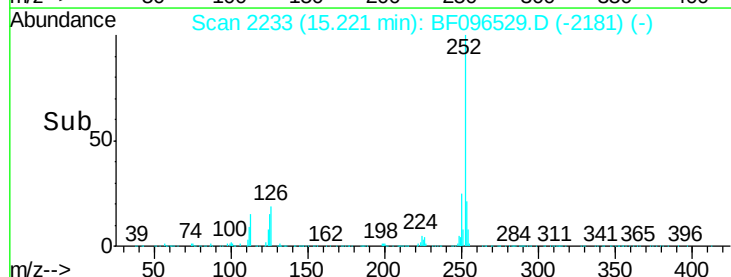
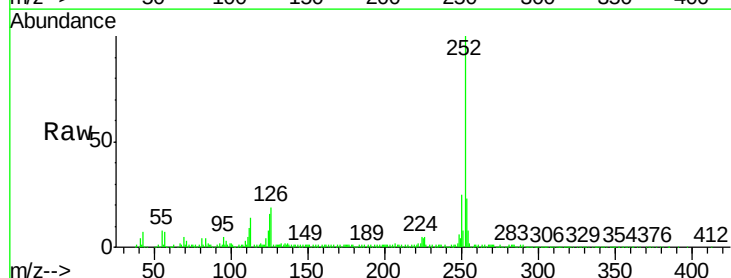
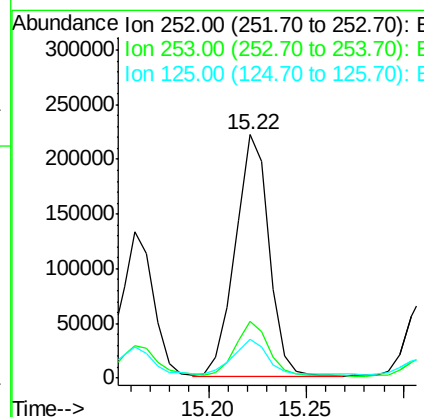
Manual Integrations  
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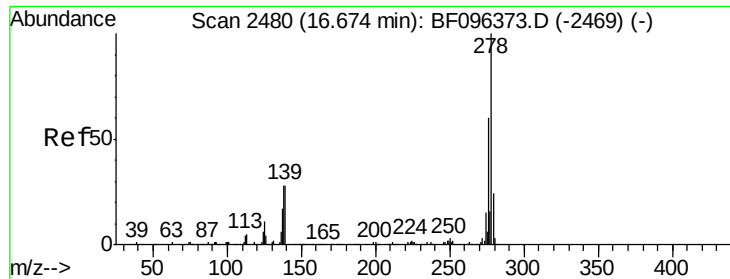
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#89  
Benzo(a)pyrene  
Concen: 24.468 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. 0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.5  | 26.3  |
| 125     | 15.7  | 11.0  | 16.4  |





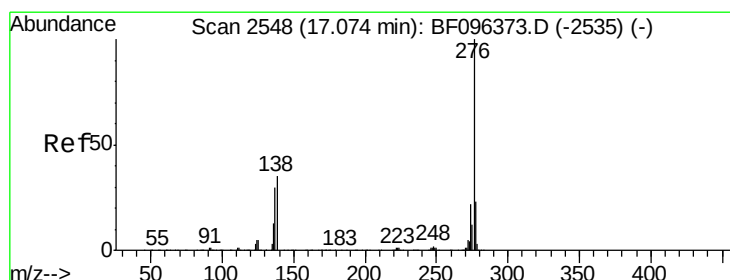
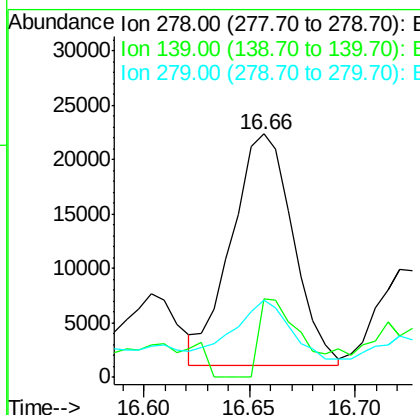
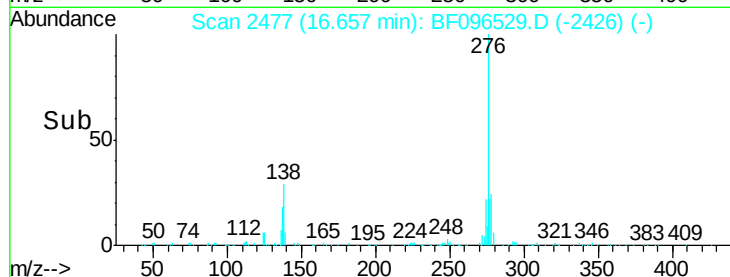
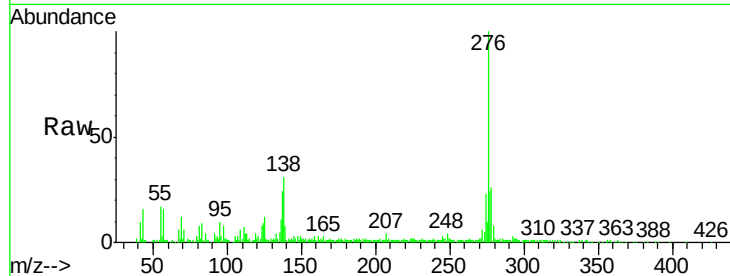
#90  
Dibenzo(a,h)anthracene  
Concen: 5.035 ng  
RT: 16.66 min Scan# 2477  
Delta R.T. 0.00 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 32.0  | 16.6  | 24.8# |
| 279     | 31.8  | 19.3  | 28.9# |

Manual Integrations  
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#91  
Benzo(g,h,i)perylene  
Concen: 18.346 ng  
RT: 17.06 min Scan# 2546  
Delta R.T. 0.01 min  
Lab File: BF096529.D  
Acq: 6 Jul 2017 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.1  | 18.6  | 28.0  |
| 138     | 32.0  | 25.4  | 38.0  |

