

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070617\  
 Data File : BF096530.D  
 Acq On : 6 Jul 2017 13:53  
 Operator : SJ/MA  
 Sample : I4053-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations  
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Quant Time: Jul 06 19:01:20 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   | 6.72  | 152  | 124149   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 496187   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 198044   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.23 | 188  | 294510   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 230106   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.29 | 264  | 177445   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 824665   | 98.04  | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 920747   | 89.04  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 588586   | 71.28  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 140051   | 90.53  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 894964   | 77.26  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 557334   | 51.76  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.36  | 94   | 29208    | 2.479  | ng    | 97       |
| 37) 2-Methylnaphthalene     | 8.71  | 142  | 32544    | 2.183  | ng    | 97       |
| 48) Acenaphthylene          | 9.61  | 152  | 101129   | 5.047  | ng    | 97       |
| 49) Dimethylphthalate       | 9.47  | 163  | 225281   | 15.238 | ng    | 98       |
| 51) Acenaphthene            | 9.78  | 154  | 54394    | 4.404  | ng    | 98       |
| 54) Dibenzofuran            | 9.95  | 168  | 43788    | 2.685  | ng    | # 94     |
| 57) Fluorene                | 10.29 | 166  | 117165   | 10.173 | ng    | 99       |
| 70) Phenanthrene            | 11.26 | 178  | 471877   | 29.640 | ng    | 99       |
| 71) Anthracene              | 11.30 | 178  | 174425   | 10.751 | ng    | 98       |
| 74) Fluoranthene            | 12.44 | 202  | 613996   | 39.336 | ng    | 99       |
| 77) Pyrene                  | 12.67 | 202  | 648999   | 35.138 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.86 | 228  | 371116m  | 27.851 | ng    |          |
| 82) Chrysene                | 13.89 | 228  | 319107   | 22.868 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.66 | 276  | 211217   | 19.176 | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 14.89 | 252  | 494728m  | 44.495 | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.91 | 252  | 115912m  | 11.654 | ng    |          |
| 89) Benzo(a)pyrene          | 15.23 | 252  | 350956   | 35.355 | ng    | 96       |
| 90) Dibenz(a,h)anthracene   | 16.66 | 278  | 52367    | 6.706  | ng    | # 84     |
| 91) Benzo(g,h,i)perylene    | 17.07 | 276  | 201894   | 24.949 | ng    | 99       |

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

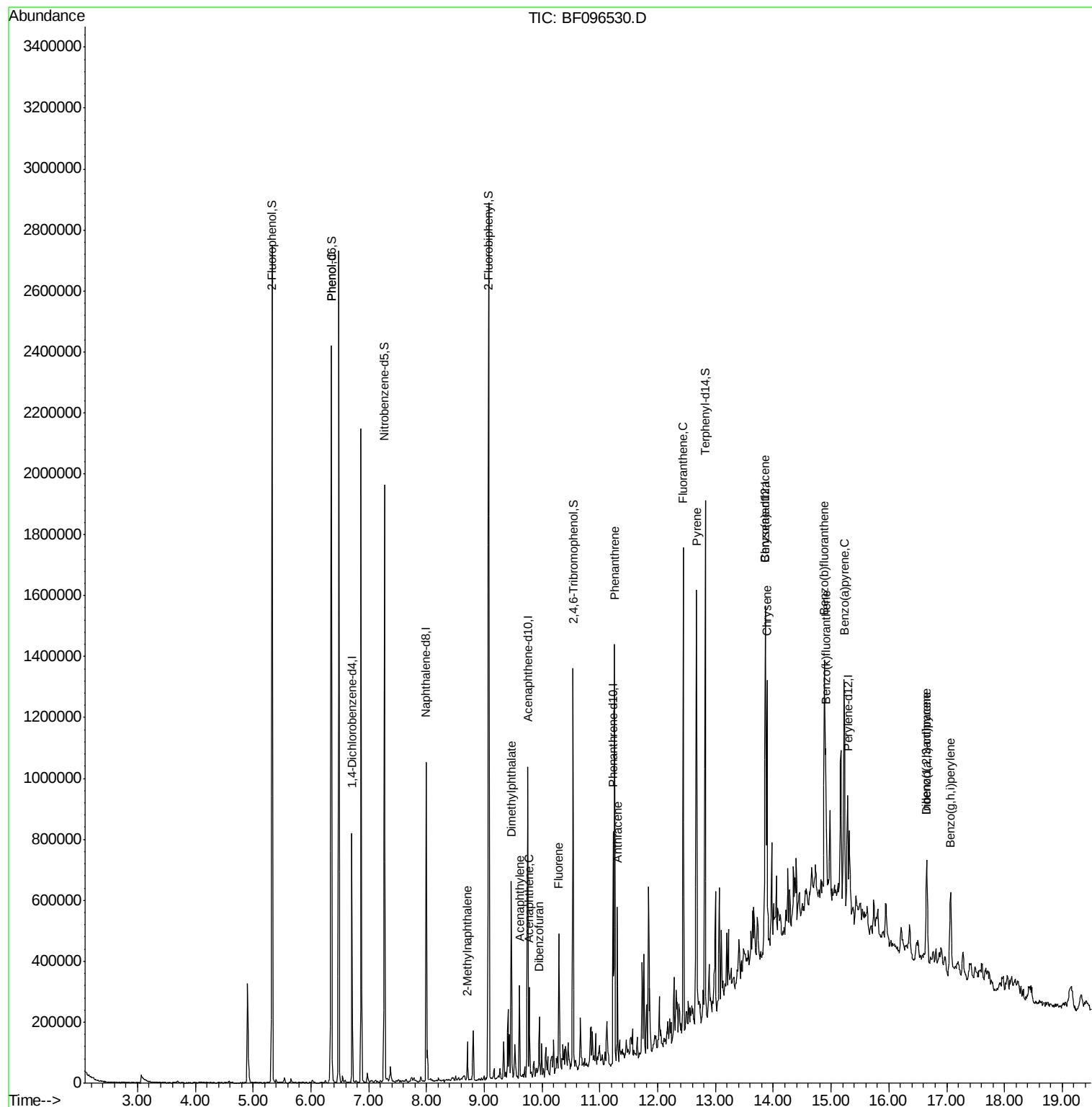
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070617\  
Data File : BF096530.D  
Acq On : 6 Jul 2017 13:53  
Operator : SJ/MA  
Sample : I4053-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

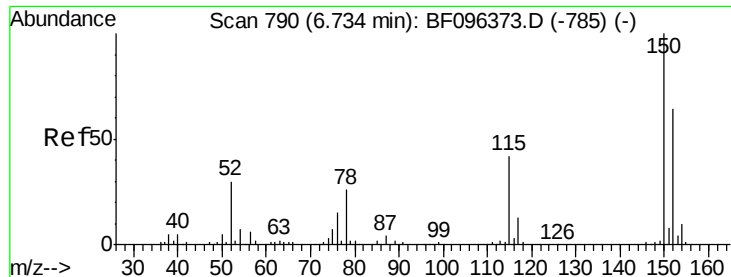
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-C

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Quant Time: Jul 06 19:01:20 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

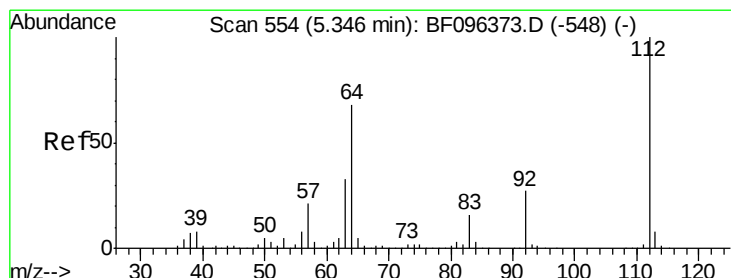
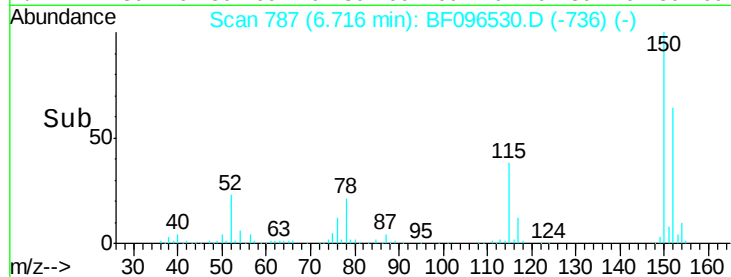
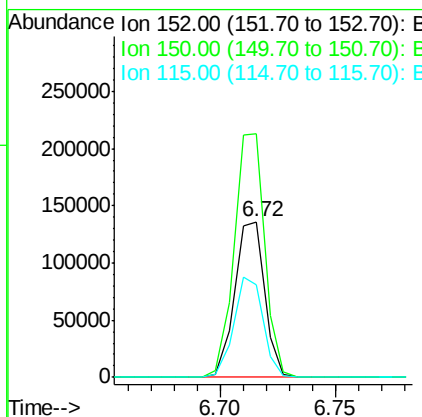
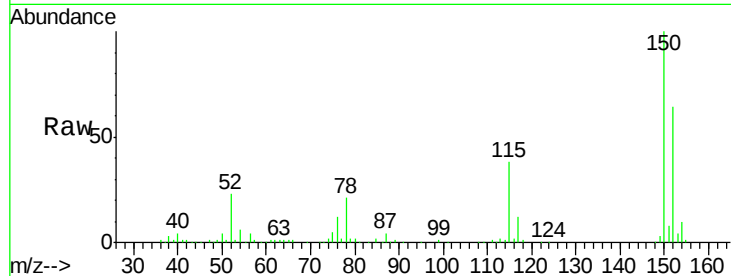
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.4 | 126.2 | 189.2 |
| 115     | 59.6  | 52.2  | 78.2  |

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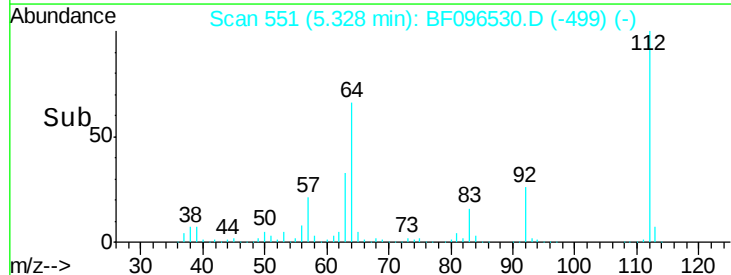
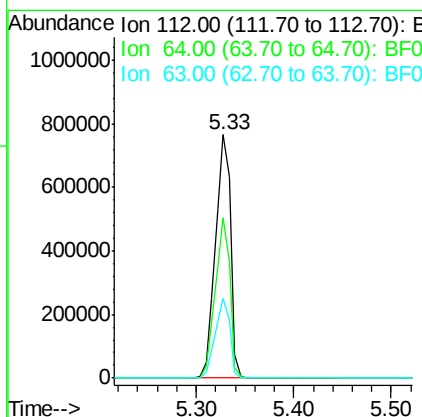
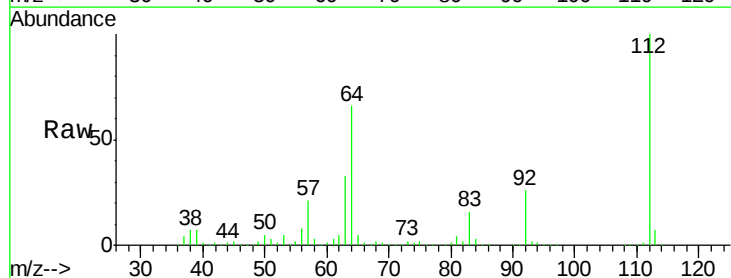
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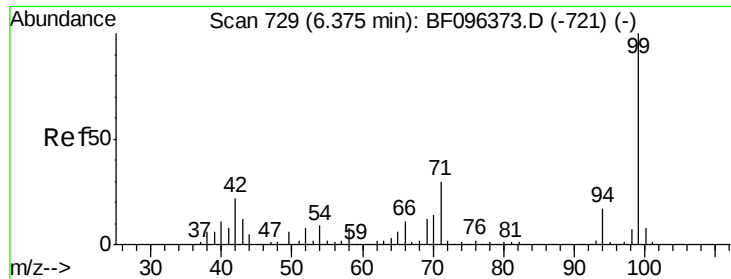


#5

2-Fluorophenol  
Concen: 98.042 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.7  | 46.0  | 69.0  |
| 63      | 32.7  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 89.042 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

Instrument :

BNA\_F

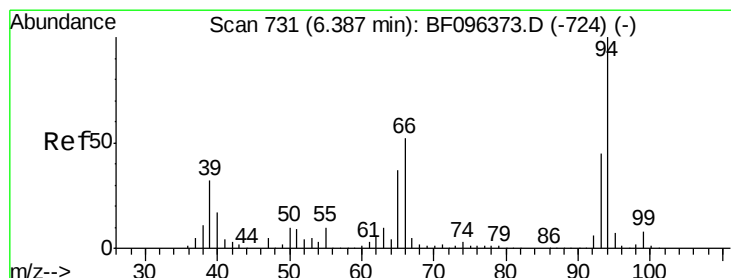
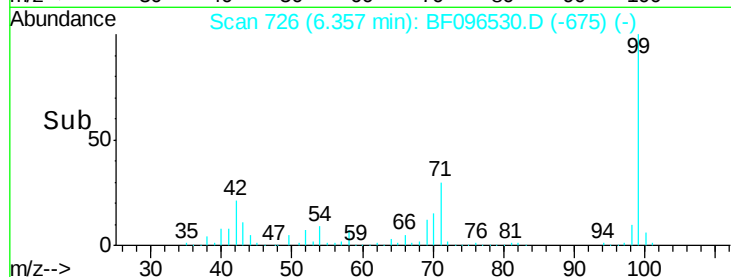
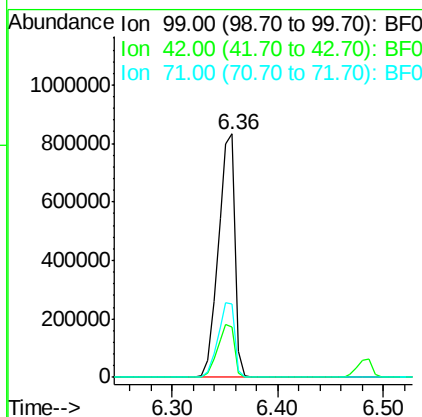
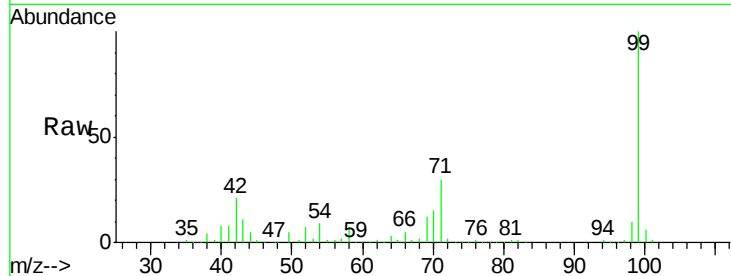
ClientSampleId :

CL-02-070317-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 920747 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.9  | 13.5  | 20.3#  |
| 71        | 30.4  | 24.5  | 36.7   |

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#10

Phenol

Concen: 2.479 ng

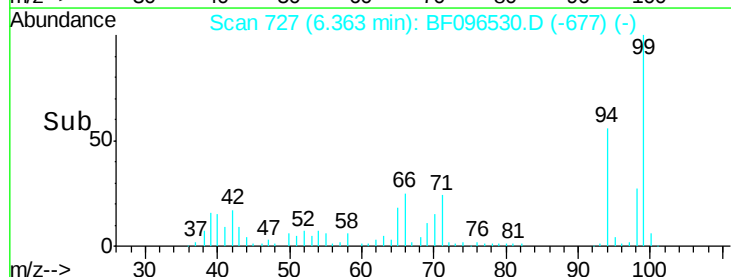
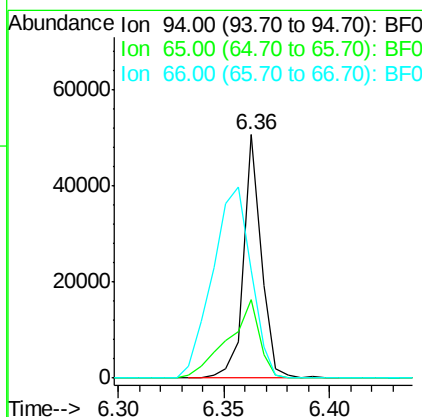
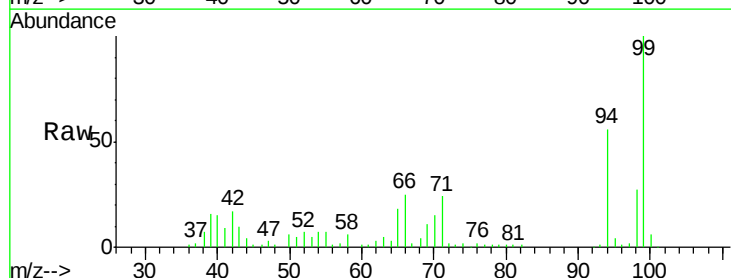
RT: 6.36 min Scan# 727

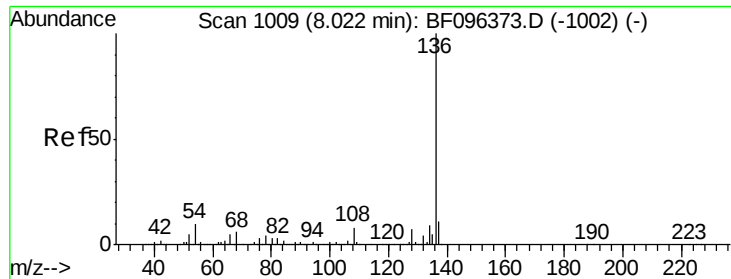
Delta R.T. -0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 29208 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 32.3  | 9.9   | 49.9  |
| 66        | 44.1  | 23.1  | 63.1  |





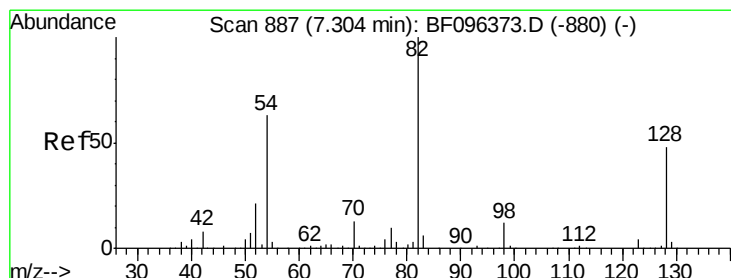
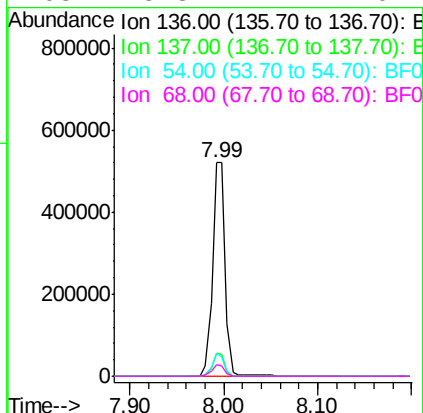
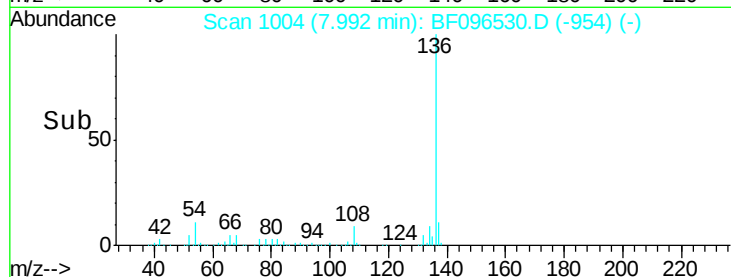
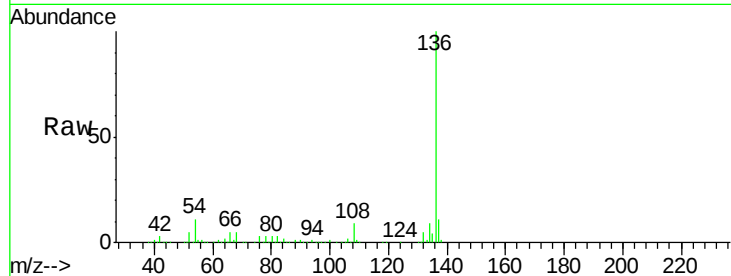
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 496187 |       |       |
| 137     | 10.9 | 8.5   | 12.7   |       |       |
| 54      | 10.9 | 4.9   | 7.3#   |       |       |
| 68      | 5.3  | 4.1   | 6.1    |       |       |

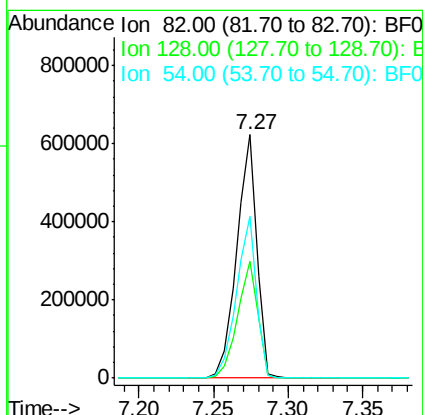
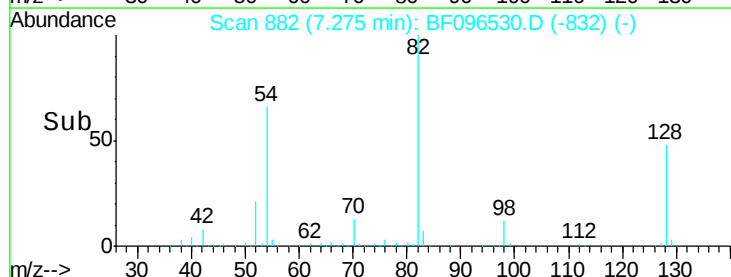
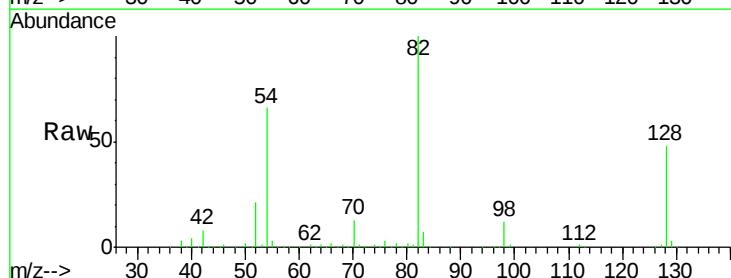
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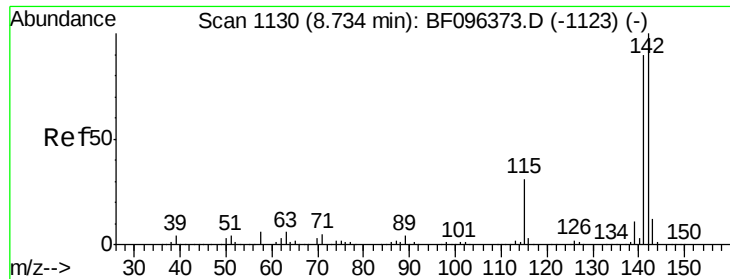
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#23  
Nitrobenzene-d5  
Concen: 71.281 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 588586 |       |       |
| 128     | 47.8 | 34.0  | 51.0   |       |       |
| 54      | 66.4 | 42.2  | 63.2#  |       |       |





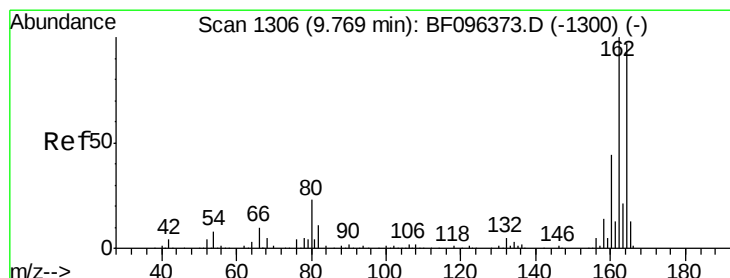
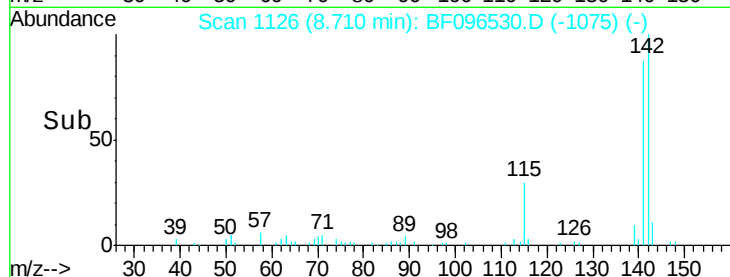
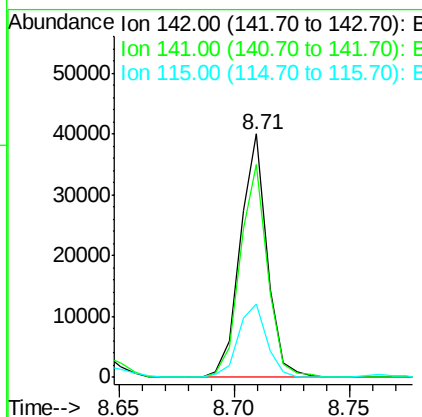
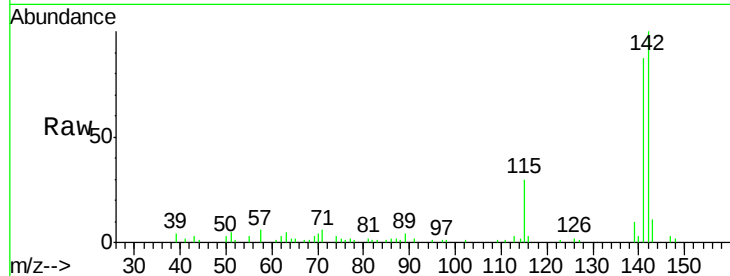
#37  
2-Methylnaphthalene  
Concen: 2.183 ng  
RT: 8.71 min Scan# 1126  
Delta R.T. -0.00 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.4  | 71.3  | 106.9 |
| 115     | 30.2  | 27.1  | 40.7  |

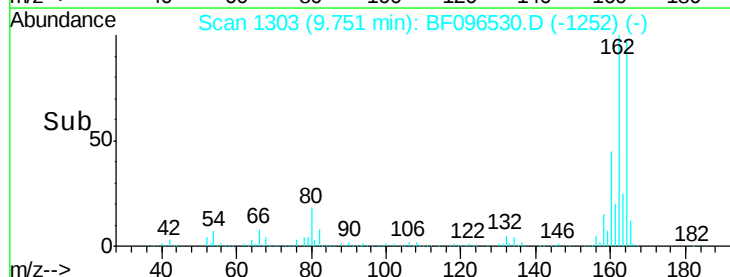
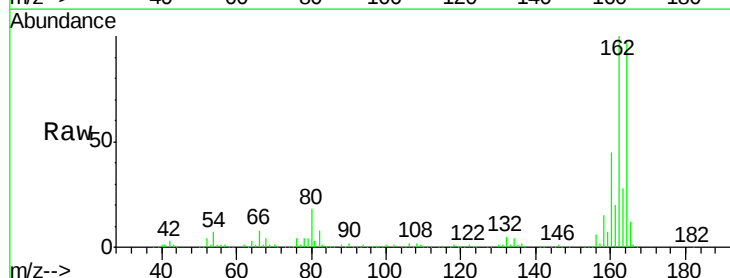
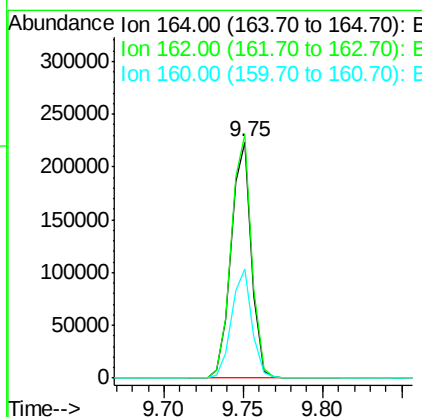
Manual Integrations  
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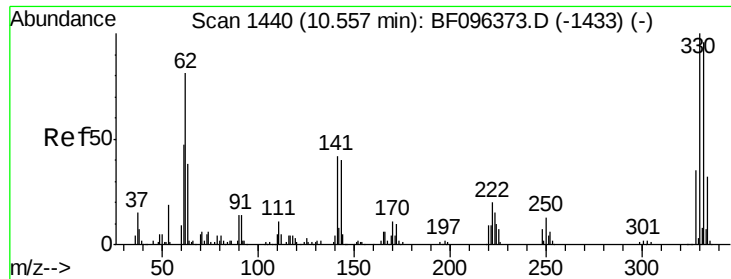
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.00 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.0 | 82.6  | 123.8 |
| 160     | 46.2  | 36.2  | 54.2  |





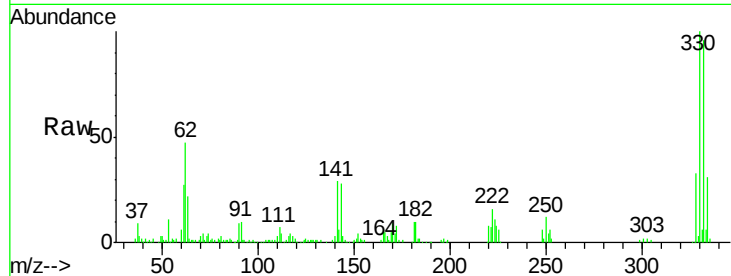
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 2,4,6-Tribromophenol  
 Concen: 90.533 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.00 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

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

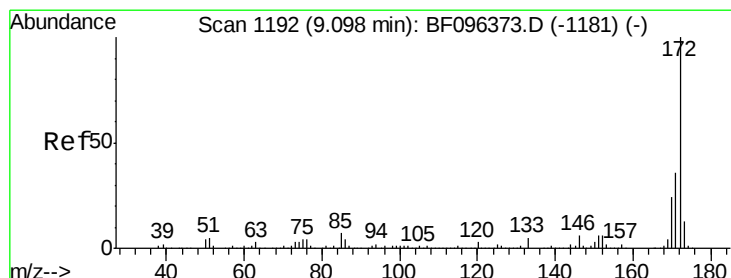
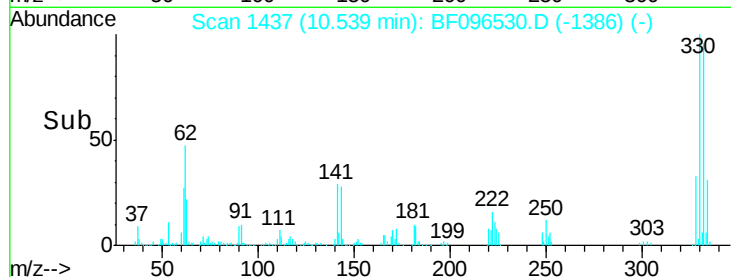
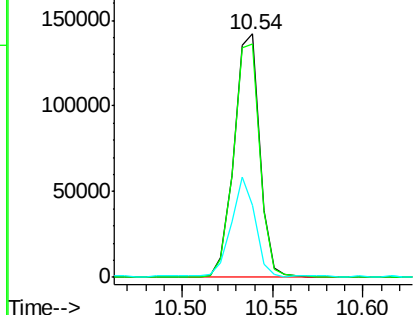
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 140051 |       |       |
| 332     | 97.6  | 76.6   | 115.0 |       |
| 141     | 37.2  | 31.4   | 47.2  |       |

Manual Integrations  
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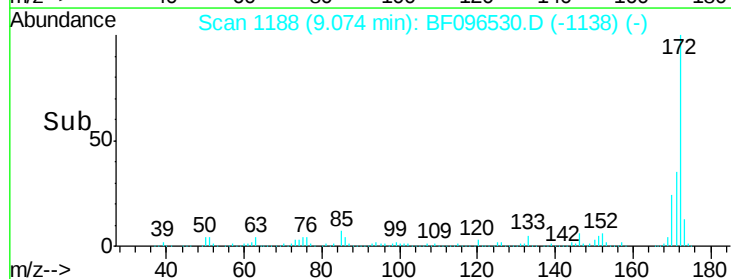
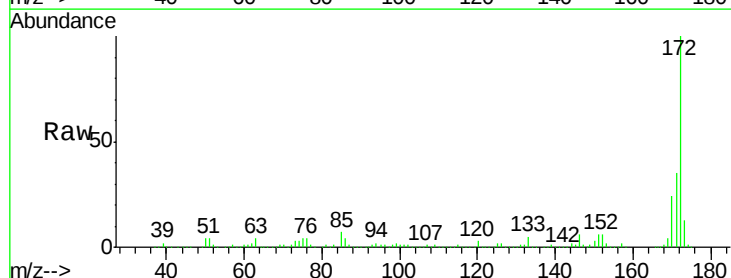
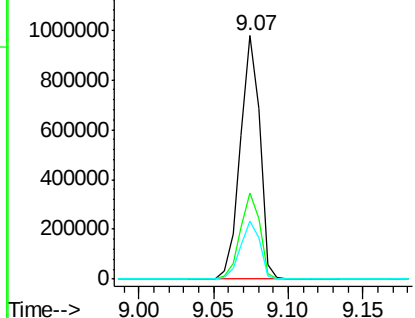
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 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

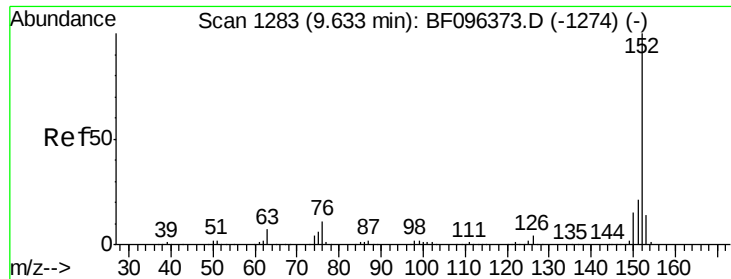


#44  
 2-Fluorobiphenyl  
 Concen: 77.265 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 894964 |       |       |
| 171     | 35.5  | 29.6   | 44.4  |       |
| 170     | 23.9  | 19.8   | 29.8  |       |

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





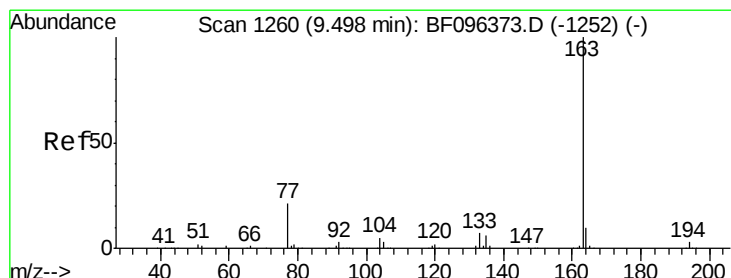
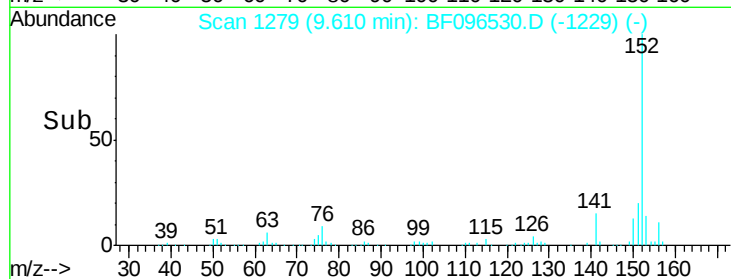
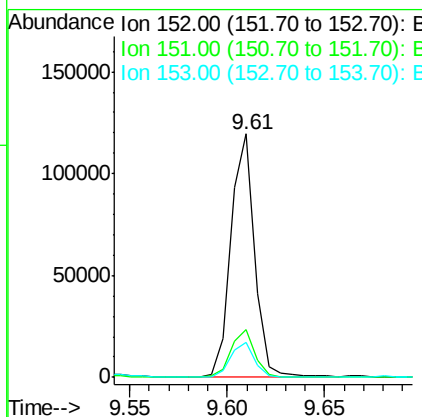
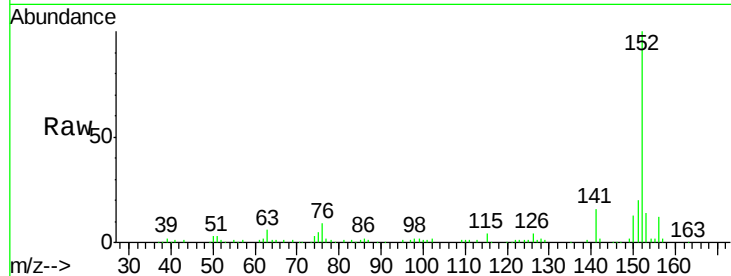
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Acenaphthylene  
Concen: 5.047 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 101129 |       |       |
| 151     | 19.7  | 16.8   | 25.2  |       |
| 153     | 14.4  | 10.8   | 16.2  |       |

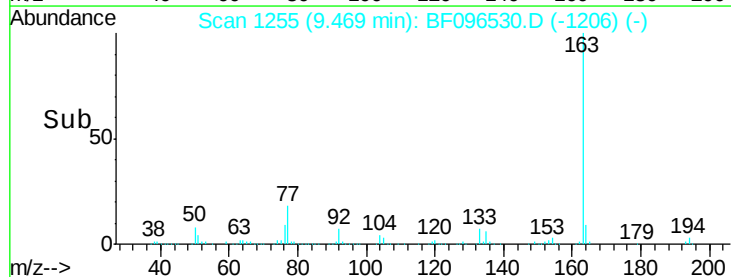
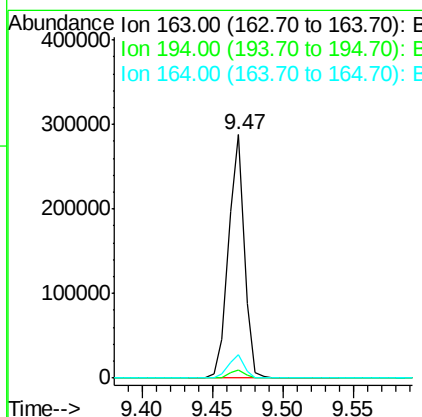
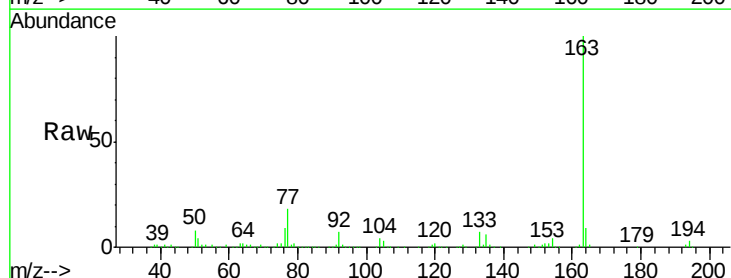
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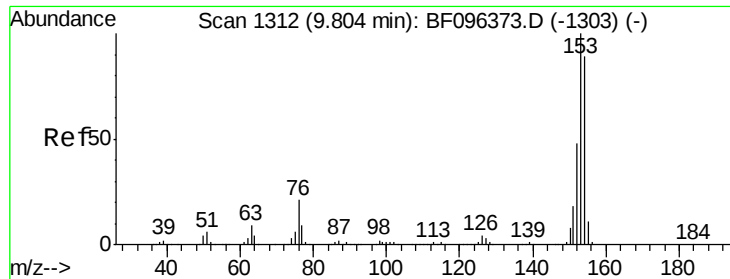
mohammad  
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#49  
Dimethylphthalate  
Concen: 15.238 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 225281 |       |       |
| 194     | 3.1   | 2.6    | 4.0   |       |
| 164     | 9.4   | 8.4    | 12.6  |       |





#51

Acenaphthene

Concen: 4.404 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

Instrument :

BNA\_F

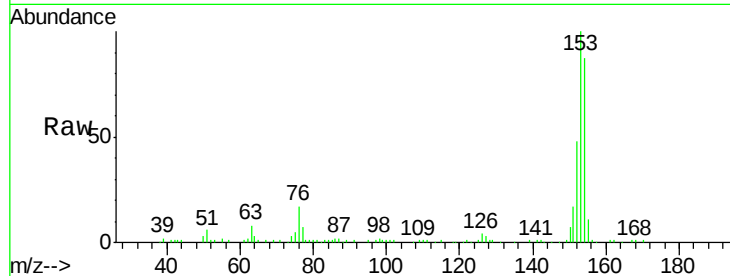
ClientSampleId :

CL-02-070317-C

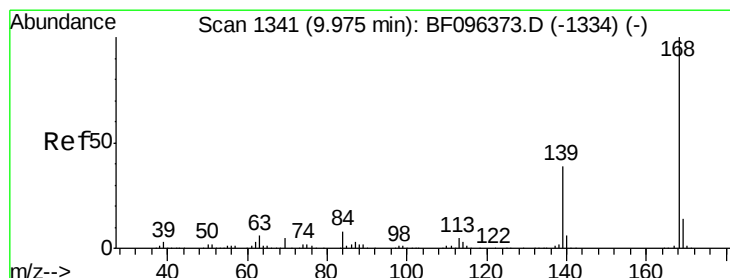
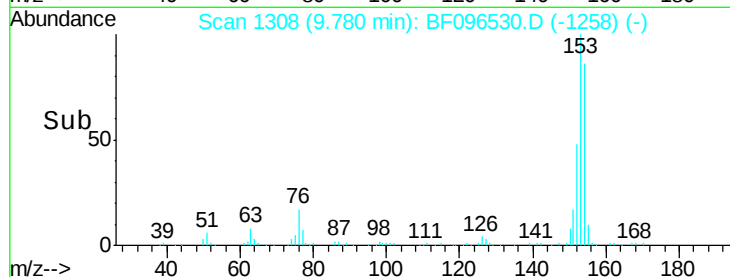
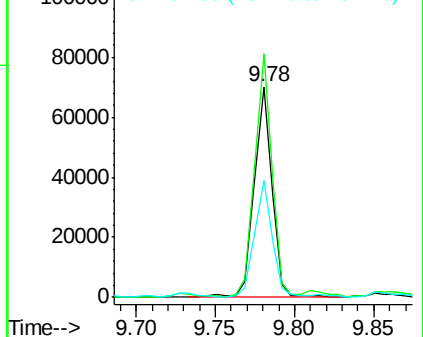
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 54394 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 115.6 | 90.5  | 135.7 |
| 152       | 55.7  | 43.6  | 65.4  |

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



#54

Dibenzofuran

Concen: 2.685 ng

RT: 9.95 min Scan# 1337

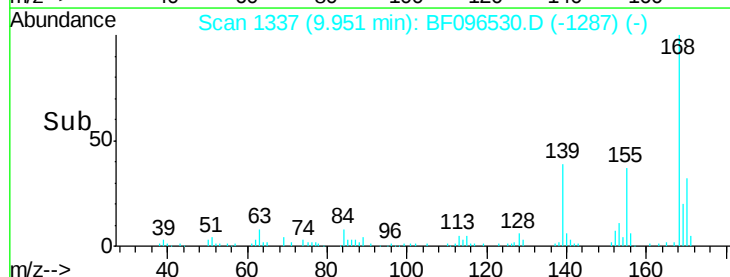
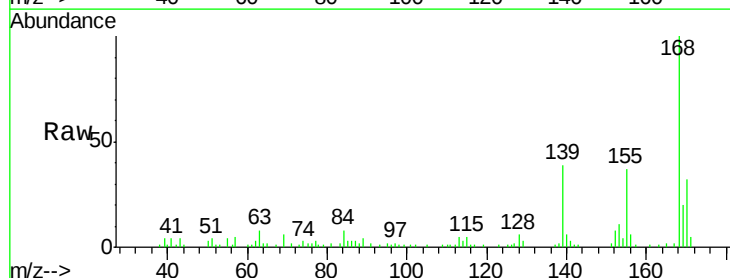
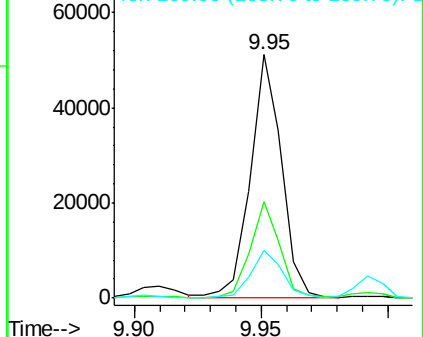
Delta R.T. -0.01 min

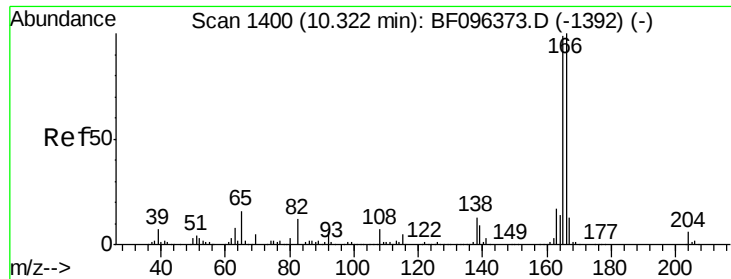
Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 43788 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 39.5  | 30.6  | 45.8  |
| 169       | 19.6  | 10.8  | 16.2# |

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





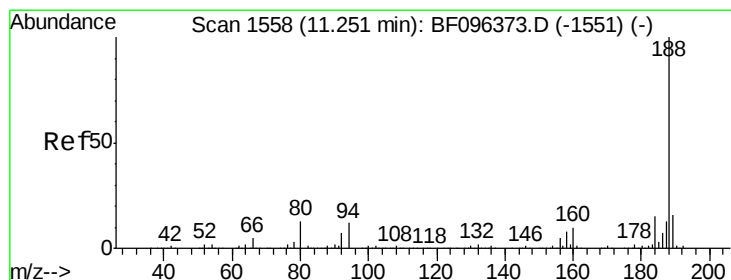
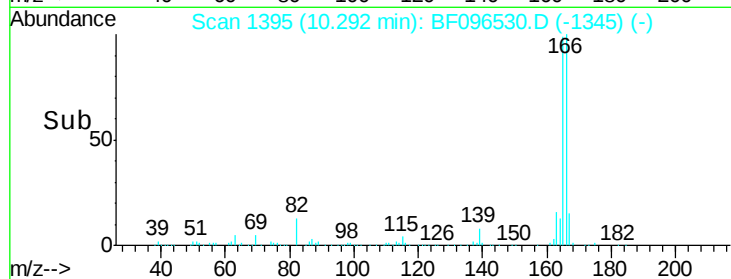
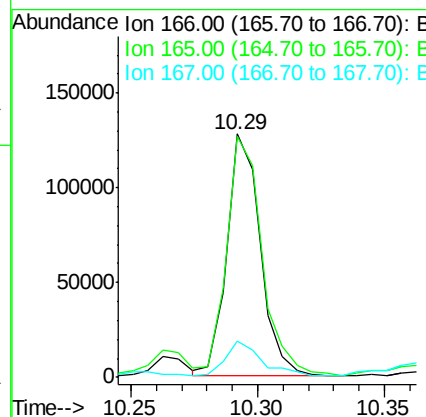
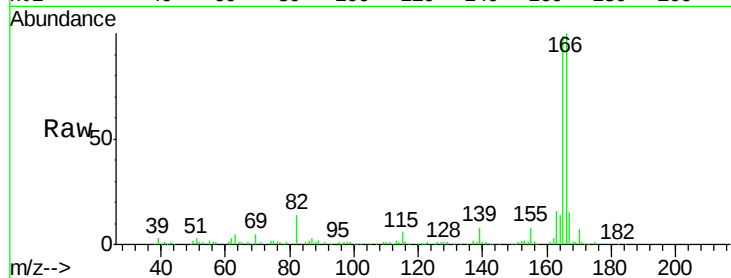
#57  
**Fluorene**  
 Concen: 10.173 ng  
 RT: 10.29 min Scan# 1395  
 Delta R.T. -0.01 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 117165 |       |       |
| 165     | 99.1  | 78.8   | 118.2 |       |
| 167     | 15.0  | 10.6   | 16.0  |       |

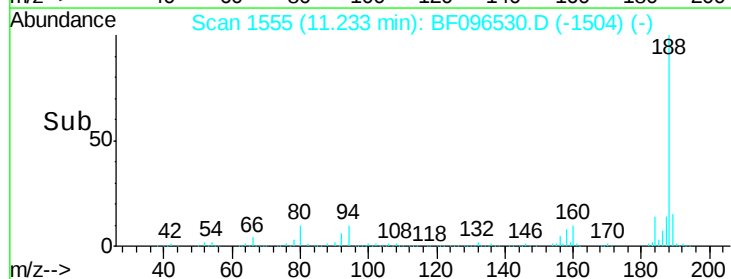
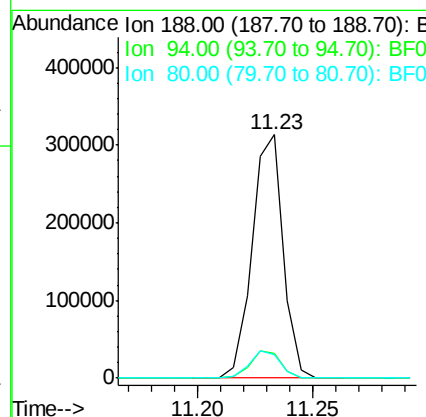
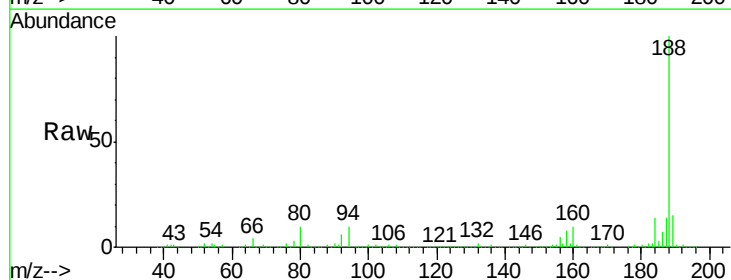
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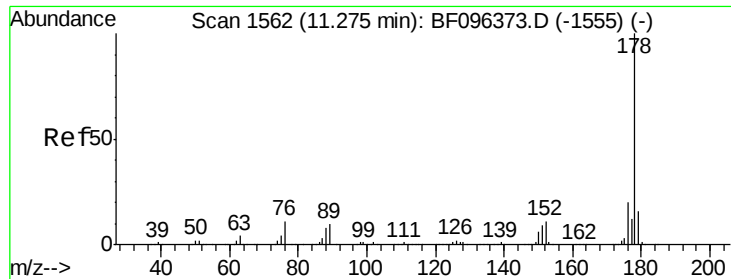
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#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. -0.00 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 294510 |       |       |
| 94      | 10.3  | 9.4    | 14.2  |       |
| 80      | 9.8   | 10.2   | 15.2  |       |





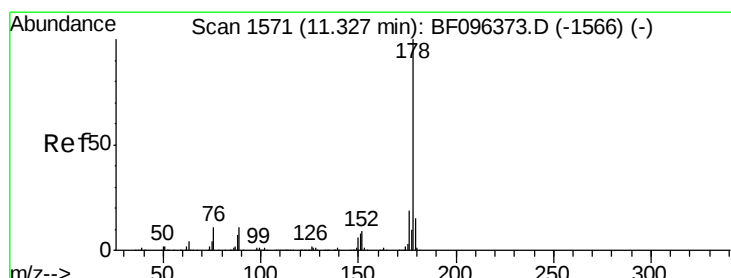
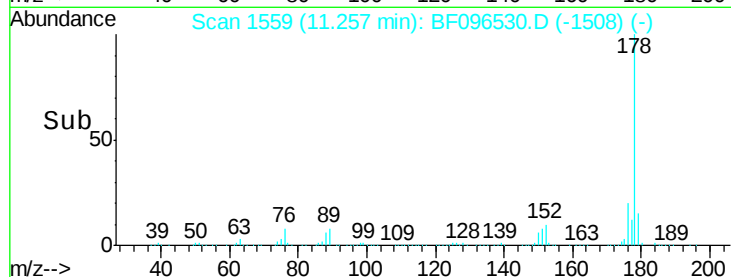
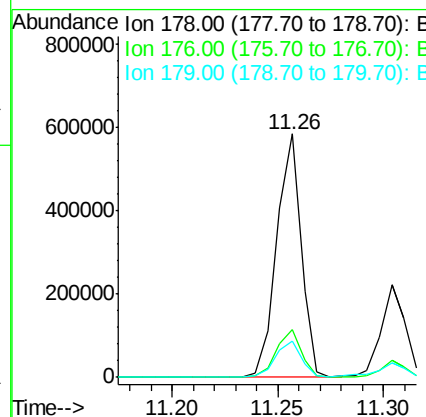
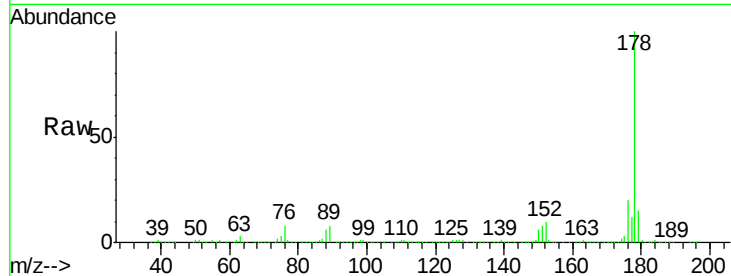
#70  
Phenanthrene  
Concen: 29.640 ng  
RT: 11.26 min Scan# 1559  
Delta R.T. -0.00 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 16.2  | 24.4  |
| 179     | 15.1  | 12.6  | 19.0  |

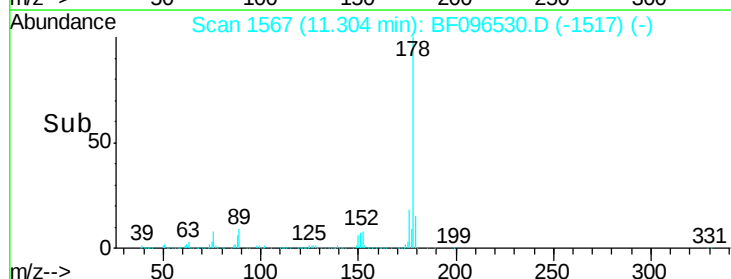
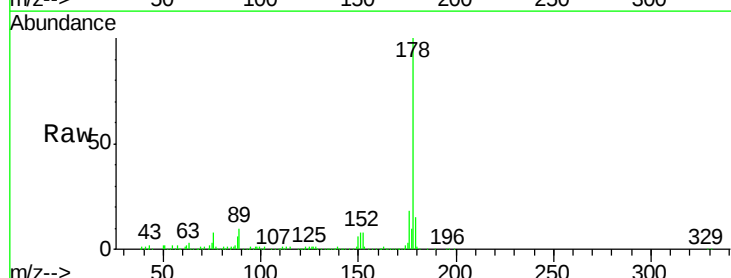
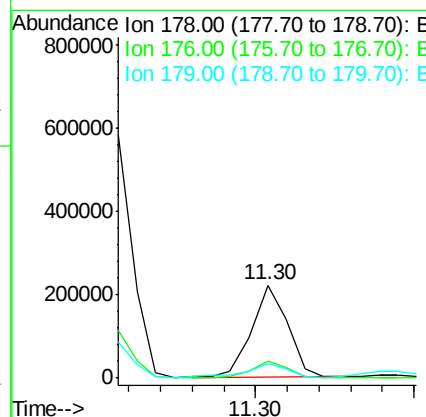
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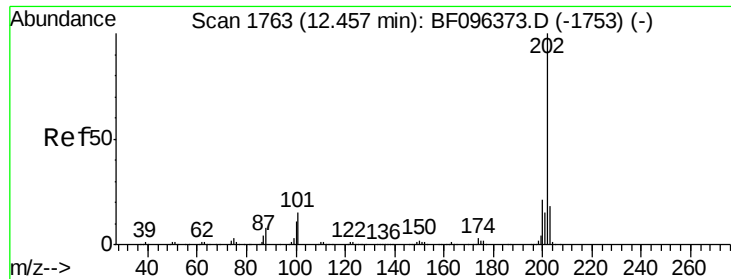
mohammad  
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#71  
Anthracene  
Concen: 10.751 ng  
RT: 11.30 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.8  | 23.8  |
| 179     | 15.2  | 12.7  | 19.1  |





#74

Fluoranthene

Concen: 39.336 ng

RT: 12.44 min Scan# 1761

Delta R.T. 0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

Instrument :

BNA\_F

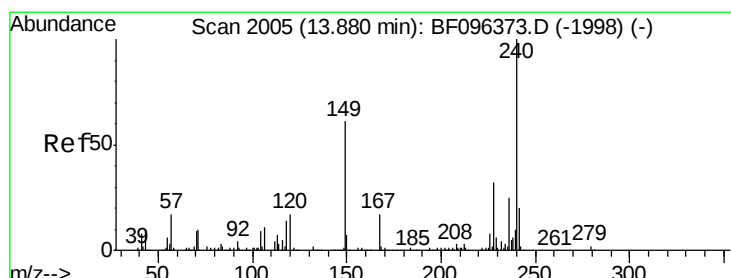
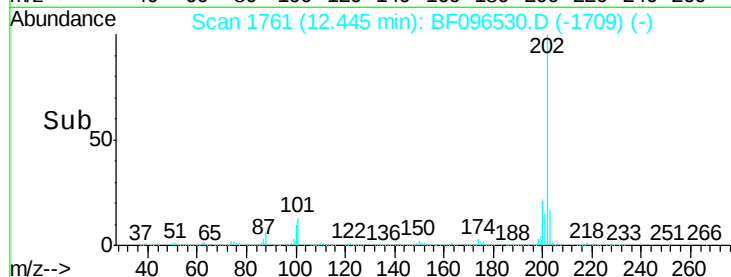
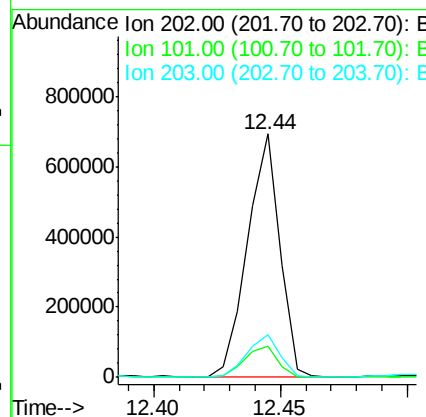
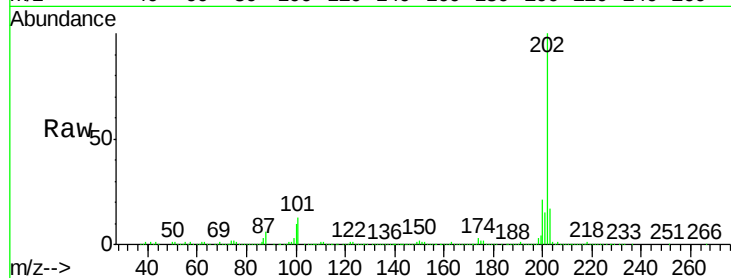
ClientSampleId :

CL-02-070317-C

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 613996 |       |       |
| 101 | 12.9 | 0.0   | 33.2   |       |       |
| 203 | 17.4 | 0.0   | 38.1   |       |       |

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#75

Chrysene-d12

Concen: 20.000 ng

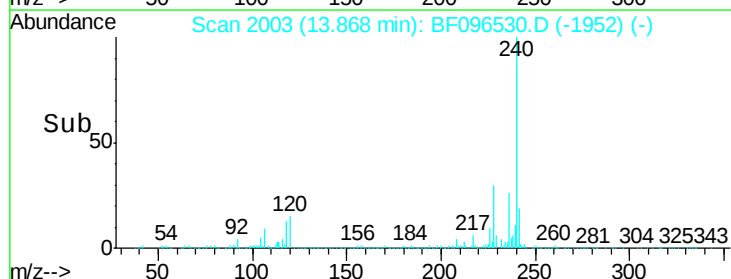
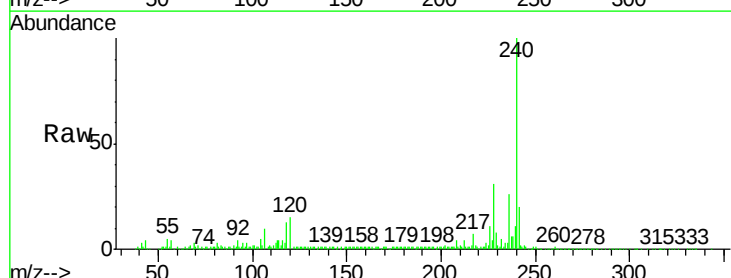
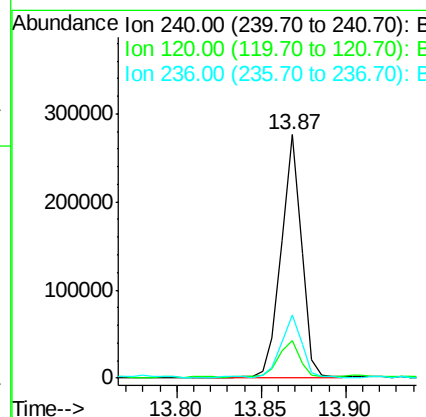
RT: 13.87 min Scan# 2003

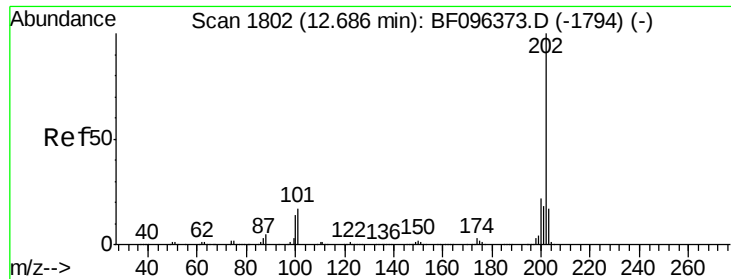
Delta R.T. -0.00 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 240 | 100  |       | 230106 |       |       |
| 120 | 15.3 | 5.8   | 8.8#   |       |       |
| 236 | 26.1 | 20.5  | 30.7   |       |       |





#77

Pyrene

Concen: 35.138 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

Instrument :

BNA\_F

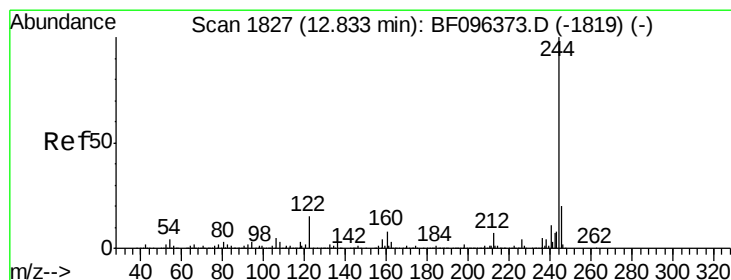
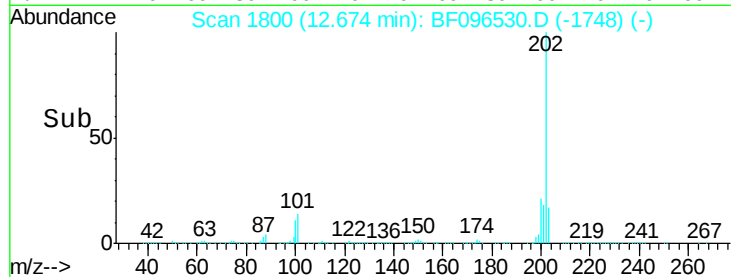
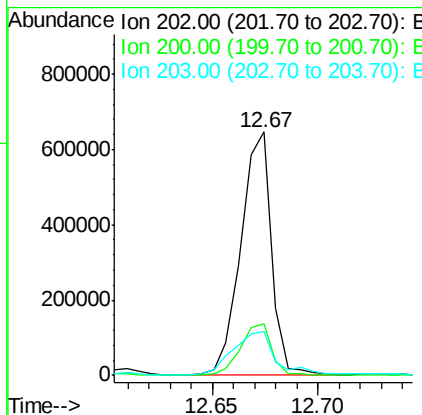
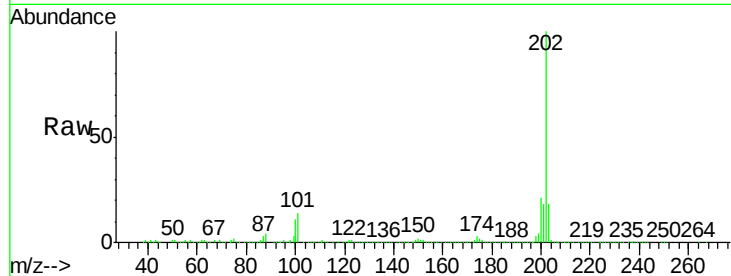
ClientSampleId :

CL-02-070317-C

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 202  | Resp: | 648999 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 21.0 | 17.6  | 26.4   |
| 203       | 17.9 | 14.4  | 21.6   |

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#78

Terphenyl-d14

Concen: 51.756 ng

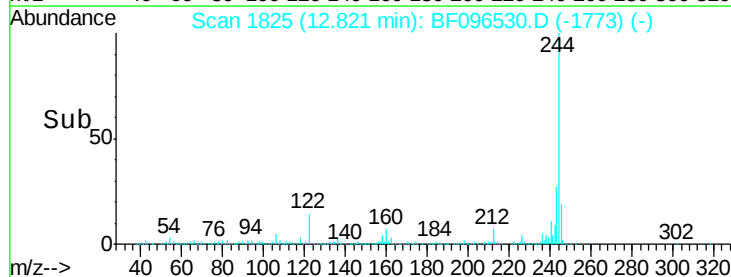
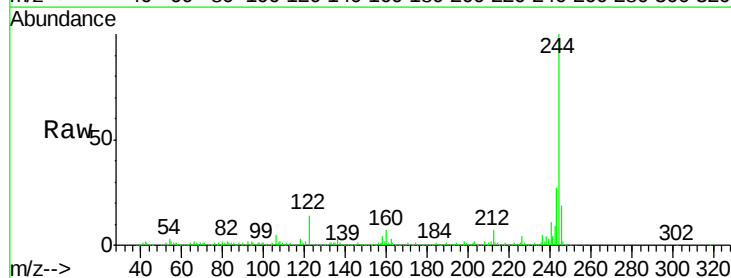
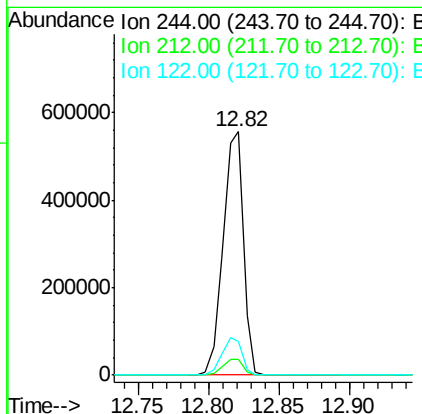
RT: 12.82 min Scan# 1825

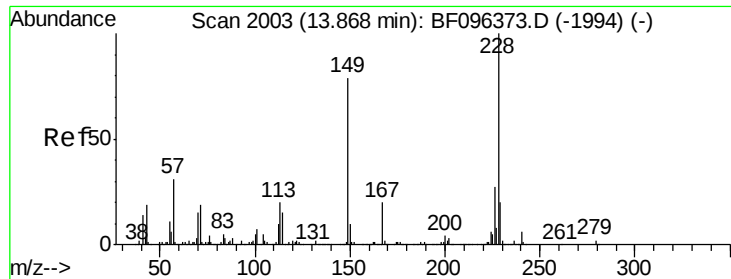
Delta R.T. 0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 244  | Resp: | 557334 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 6.6  | 6.0   | 9.0    |
| 122       | 13.7 | 10.3  | 15.5   |





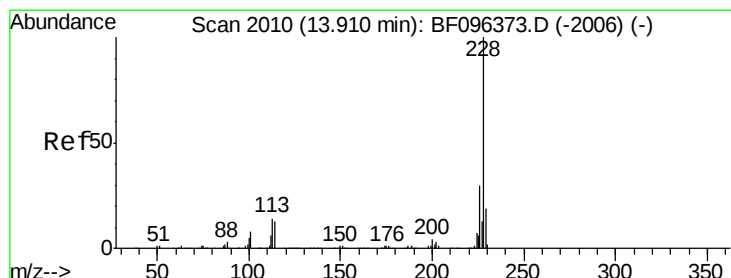
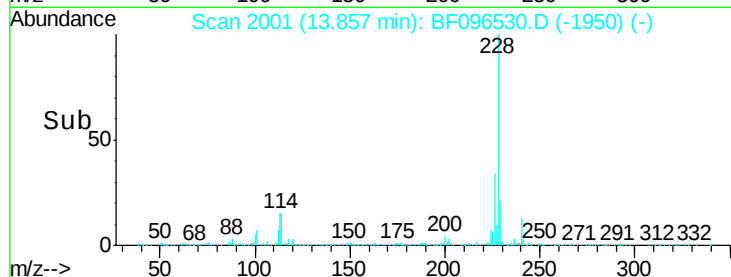
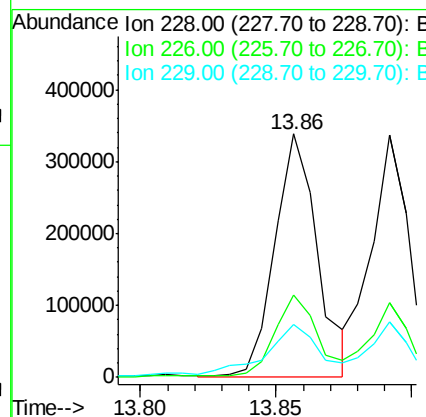
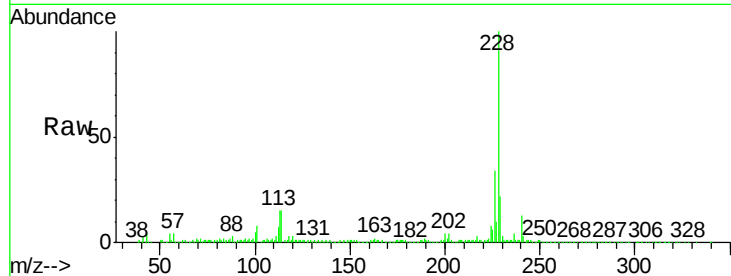
#80  
Benzo(a)anthracene  
Concen: 27.851 ng m  
RT: 13.86 min Scan# 2001  
Delta R.T. -0.00 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.9  | 22.6  | 33.8# |
| 229     | 21.9  | 16.3  | 24.5  |

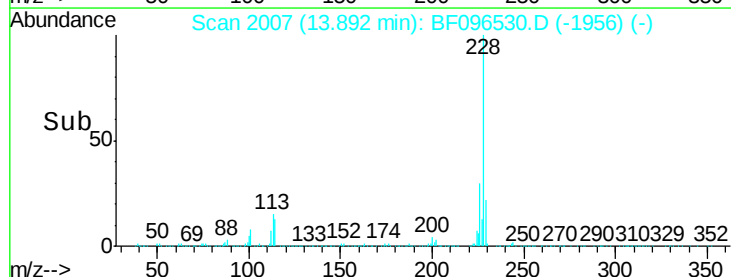
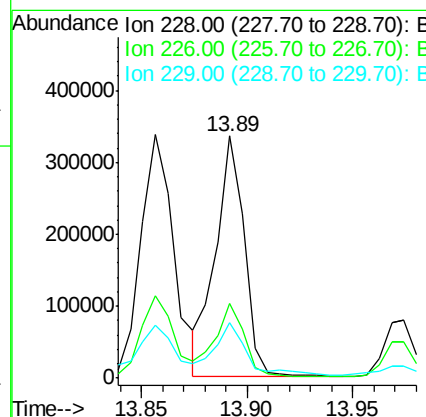
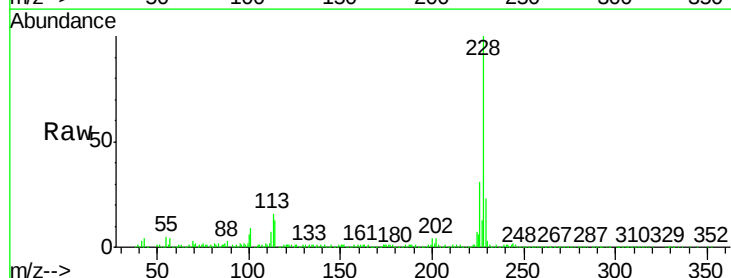
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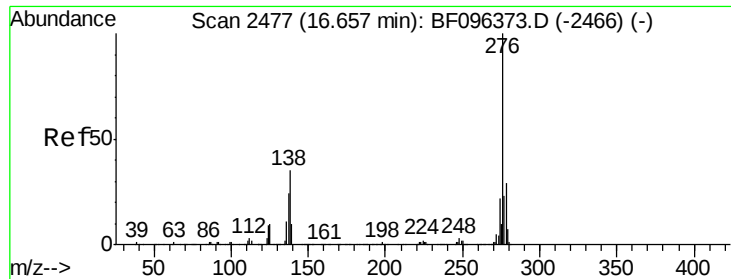
mohammad  
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#82  
Chrysene  
Concen: 22.868 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.9  | 37.3  |
| 229     | 22.9  | 15.8  | 23.6  |





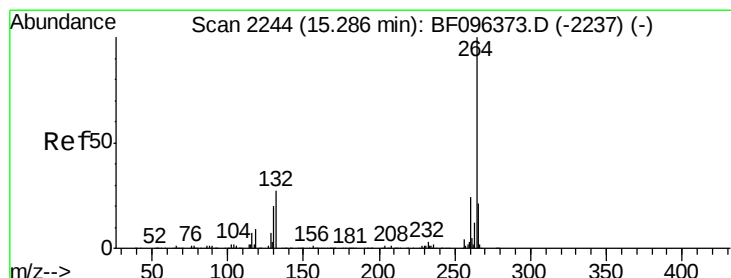
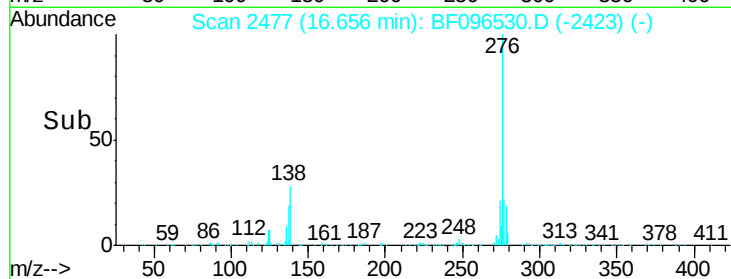
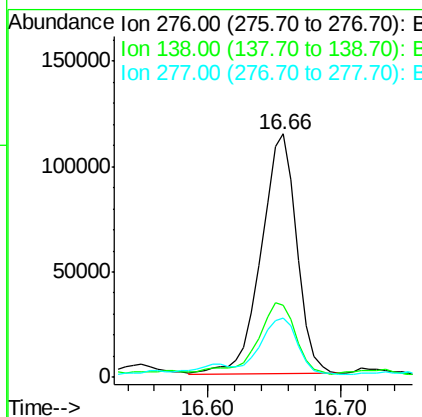
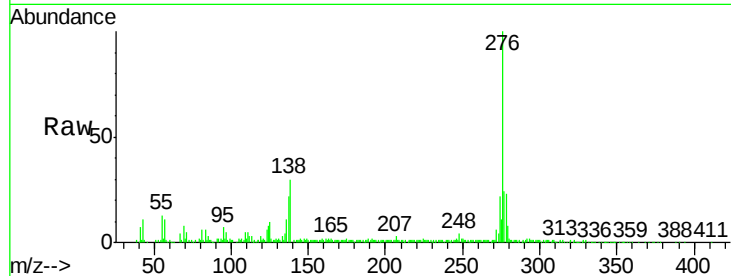
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 19.176 ng  
 RT: 16.66 min Scan# 2477  
 Delta R.T. 0.02 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 32.5  | 27.8       | 41.6       |
| 277     | 25.0  | 20.2       | 30.4       |

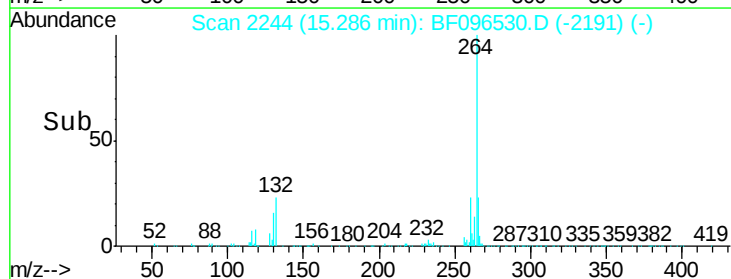
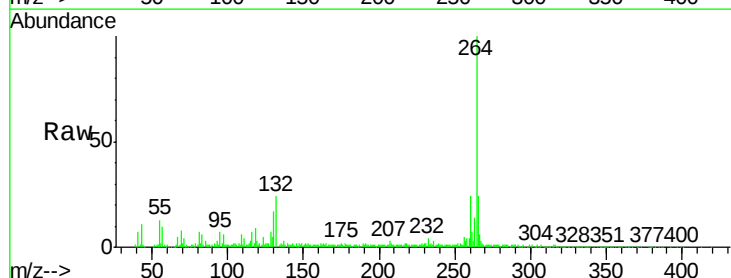
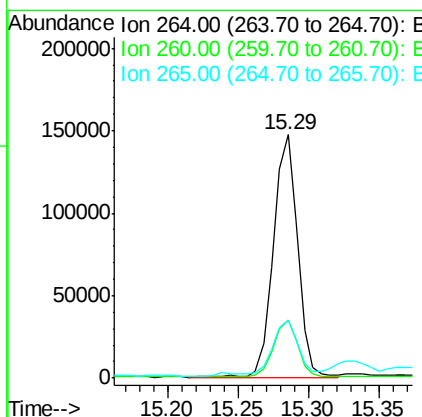
Manual Integrations  
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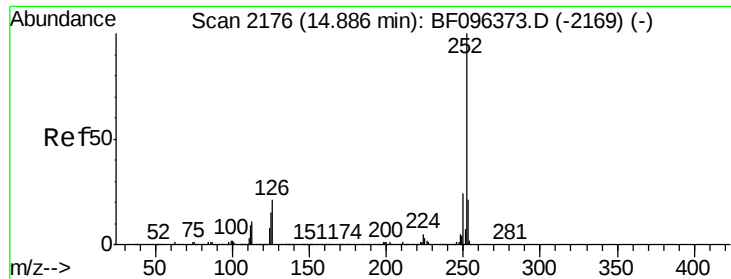
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. 0.01 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 23.8  | 19.5       | 29.3       |
| 265     | 24.1  | 17.2       | 25.8       |





#87

Benzo(b)fluoranthene

Concen: 44.495 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

Instrument :

BNA\_F

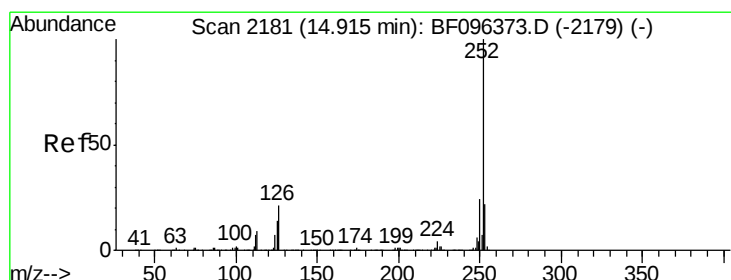
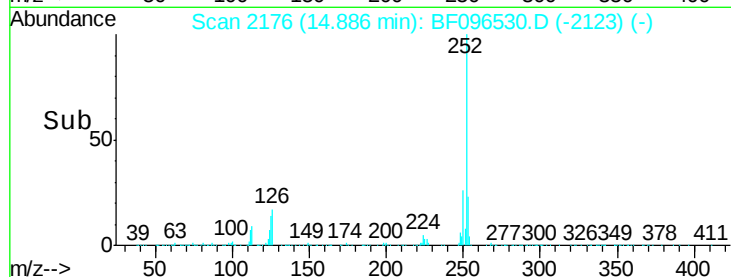
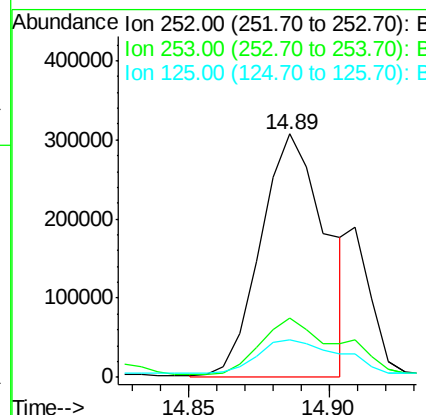
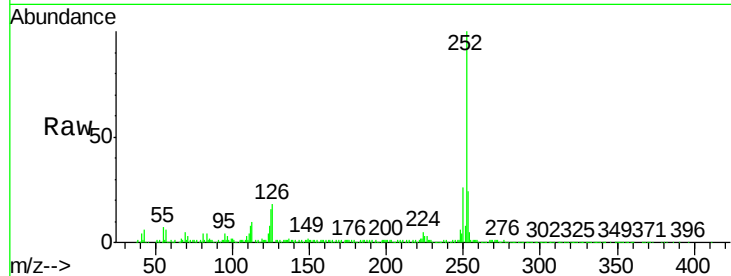
ClientSampleId :

CL-02-070317-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 494728 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.2  | 18.1  | 27.1   |
| 125       | 15.6  | 9.8   | 14.8#  |

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#88

Benzo(k)fluoranthene

Concen: 11.654 ng m

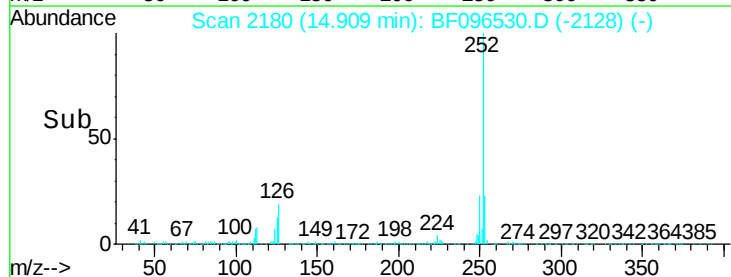
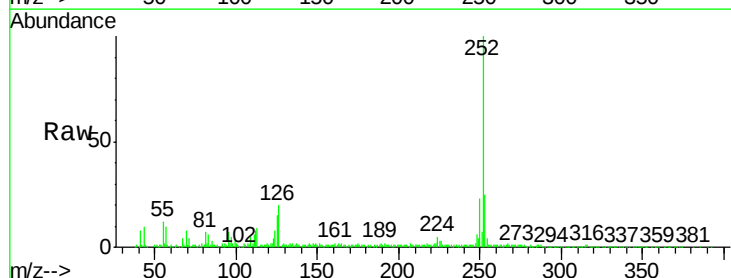
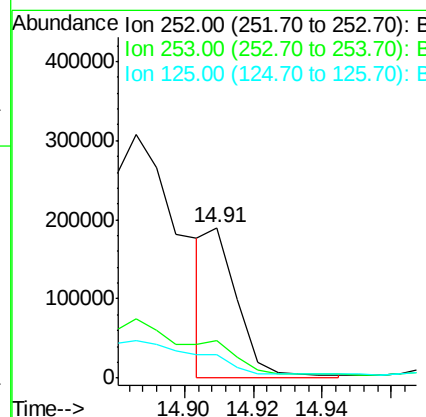
RT: 14.91 min Scan# 2180

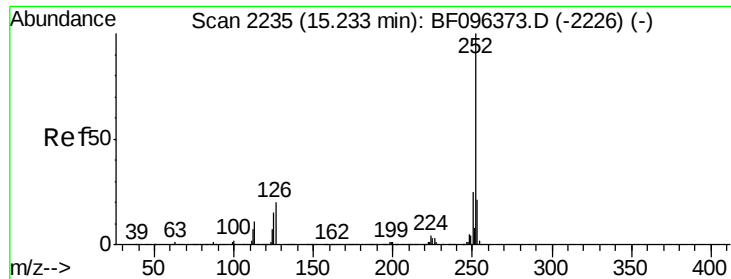
Delta R.T. 0.01 min

Lab File: BF096530.D

Acq: 6 Jul 2017 13:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 115912 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.5  | 18.4  | 27.6   |
| 125       | 15.1  | 13.1  | 19.7   |





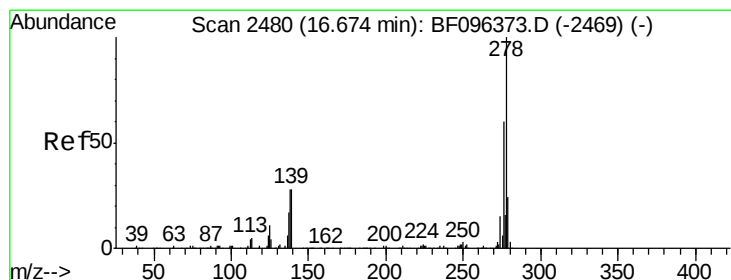
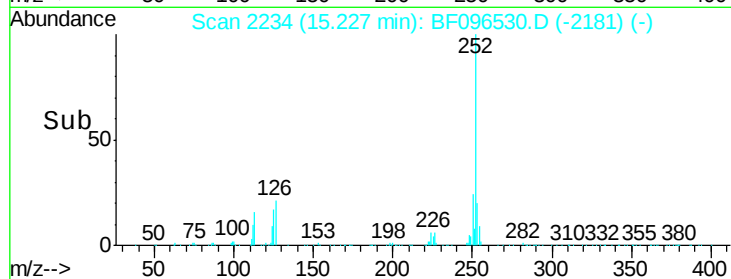
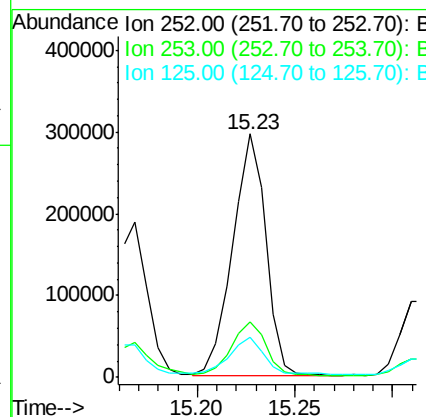
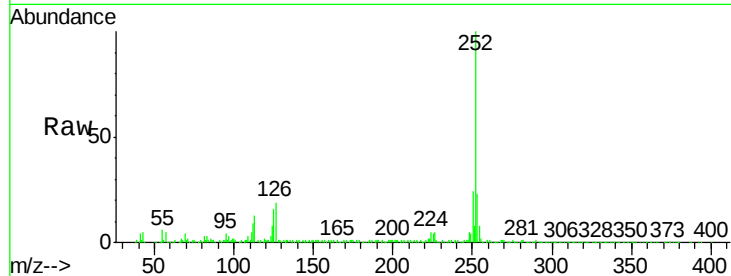
#89  
Benzo(a)pyrene  
Concen: 35.355 ng  
RT: 15.23 min Scan# 2234  
Delta R.T. 0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

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

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 22.7  | 17.5       | 26.3       |
| 125     | 16.4  | 11.0       | 16.4       |

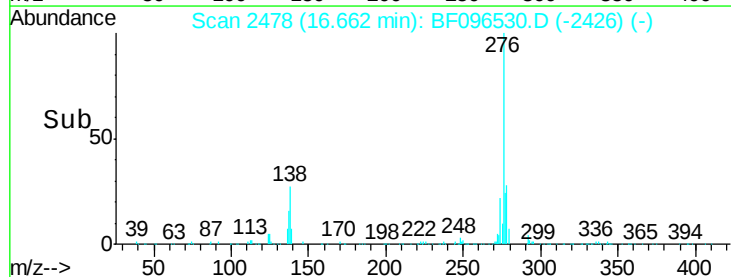
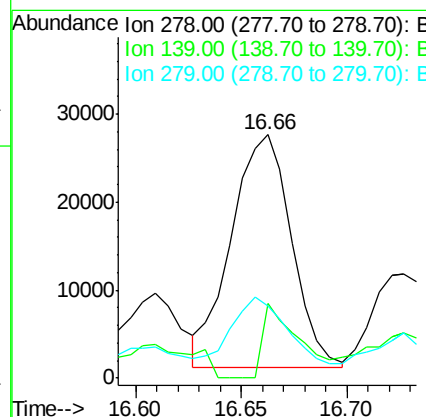
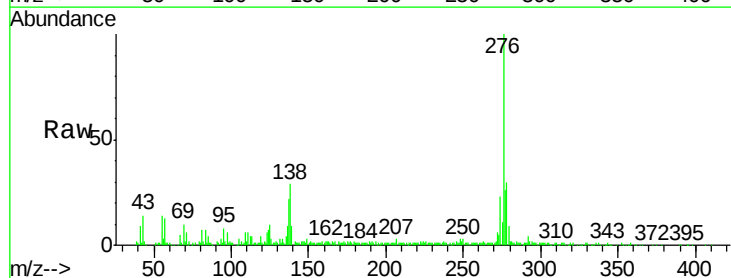
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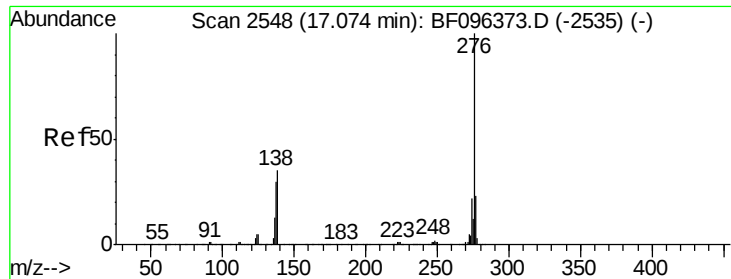
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#90  
Dibenzo(a,h)anthracene  
Concen: 6.706 ng  
RT: 16.66 min Scan# 2478  
Delta R.T. 0.01 min  
Lab File: BF096530.D  
Acq: 6 Jul 2017 13:53

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 278     | 100   |            |            |
| 139     | 30.6  | 16.6       | 24.8#      |
| 279     | 29.7  | 19.3       | 28.9#      |





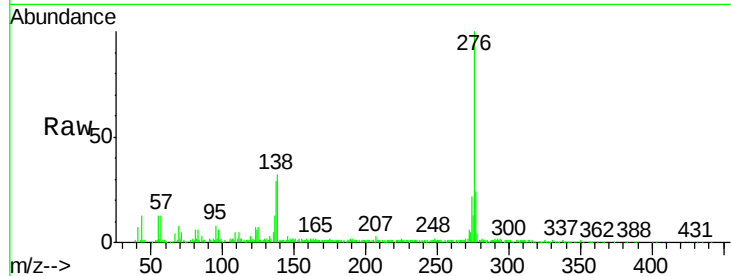
#91  
 Benzo(g,h,i)perylene  
 Concen: 24.949 ng  
 RT: 17.07 min Scan# 2547  
 Delta R.T. 0.02 min  
 Lab File: BF096530.D  
 Acq: 6 Jul 2017 13:53

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

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 276  | Resp: | 201894 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 24.1 | 18.6  | 28.0   |
| 138       | 31.8 | 25.4  | 38.0   |

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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

