

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070317\  
 Data File : BF096451.D  
 Acq On : 3 Jul 2017 19:53  
 Operator : SJ/MA  
 Sample : I3991-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062917-A

Manual Integrations  
 APPROVED

mohammad  
 7/5/2017 11:41:42 AM

Quant Time: Jul 04 02:07:58 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 117531   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.00  | 136  | 460652   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.76  | 164  | 188178   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.24 | 188  | 287495   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.87 | 240  | 224519   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.29 | 264  | 156133   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.35  | 112 | 918641  | 115.36 | ng | 0.00  |
| 7) Phenol-d6                | 6.37  | 99  | 1094787 | 111.83 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 593074  | 77.36  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 146898  | 99.94  | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.09  | 172 | 915634  | 83.19  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.83 | 244 | 655503  | 62.39  | ng | 0.00  |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 10) Phenol                 | 6.37  | 94  | 58980   | 5.288  | ng | 96   |
| 48) Acenaphthylene         | 9.62  | 152 | 94204   | 4.948  | ng | 98   |
| 49) Dimethylphthalate      | 9.47  | 163 | 319649  | 22.755 | ng | 100  |
| 51) Acenaphthene           | 9.79  | 154 | 24550   | 2.092  | ng | 98   |
| 57) Fluorene               | 10.30 | 166 | 28228   | 2.579  | ng | 99   |
| 70) Phenanthrene           | 11.26 | 178 | 373230  | 24.015 | ng | 99   |
| 71) Anthracene             | 11.31 | 178 | 185774  | 11.730 | ng | 98   |
| 74) Fluoranthene           | 12.46 | 202 | 1207033 | 79.216 | ng | 99   |
| 77) Pyrene                 | 12.68 | 202 | 1203085 | 66.758 | ng | 99   |
| 80) Benzo(a)anthracene     | 13.86 | 228 | 694890  | 53.447 | ng | 96   |
| 82) Chrysene               | 13.90 | 228 | 624940  | 45.900 | ng | 98   |
| 85) Indeno(1,2,3-cd)pyrene | 16.66 | 276 | 229401  | 21.345 | ng | 95   |
| 87) Benzo(b)fluoranthene   | 14.89 | 252 | 607059m | 62.051 | ng |      |
| 88) Benzo(k)fluoranthene   | 14.92 | 252 | 237011m | 27.083 | ng |      |
| 89) Benzo(a)pyrene         | 15.23 | 252 | 416523  | 47.687 | ng | 96   |
| 90) Dibenzo(a,h)anthracene | 16.67 | 278 | 65547   | 9.539  | ng | # 89 |
| 91) Benzo(g,h,i)perylene   | 17.07 | 276 | 222716  | 31.279 | ng | 95   |

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

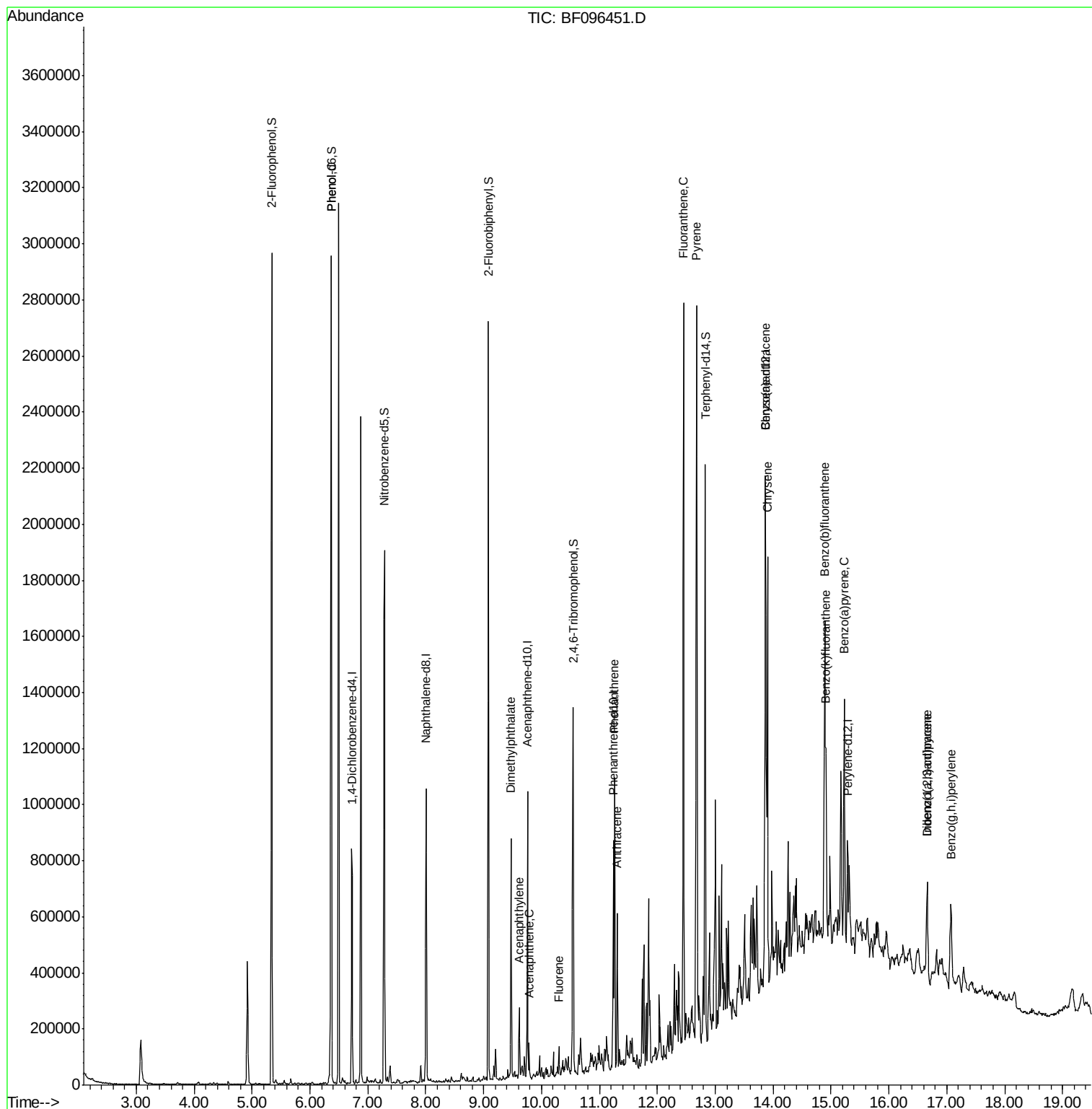
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070317\  
Data File : BF096451.D  
Acq On : 3 Jul 2017 19:53  
Operator : SJ/MA  
Sample : I3991-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

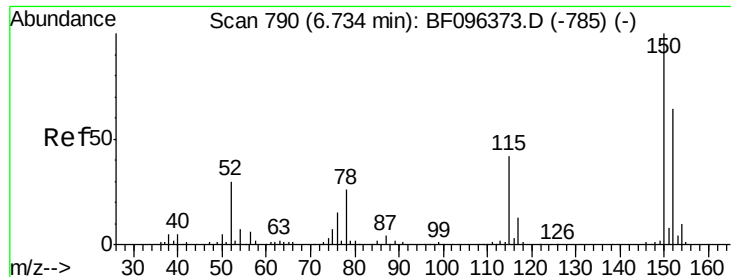
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

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7/5/2017 11:41:42 AM

Quant Time: Jul 04 02:07:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 03 01:43:12 2017  
Response via : Initial Calibration





#1

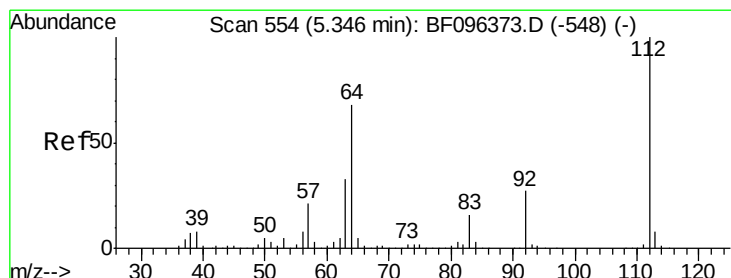
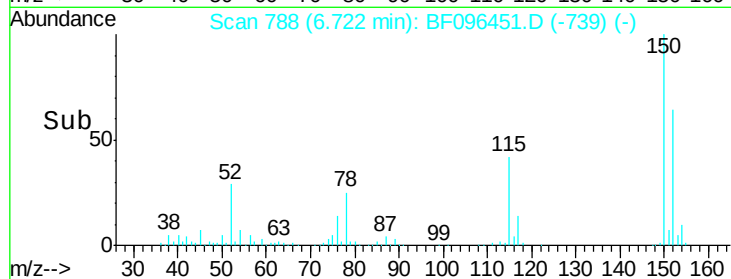
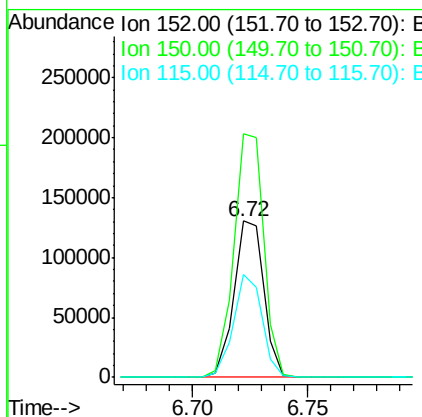
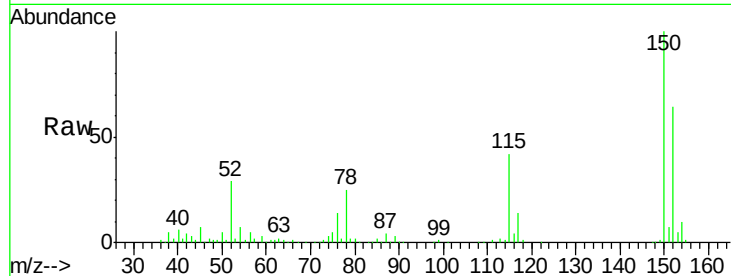
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 117531 |       |       |
| 150     | 156.0 | 126.2  | 189.2 |       |
| 115     | 66.1  | 52.2   | 78.2  |       |

Manual Integrations  
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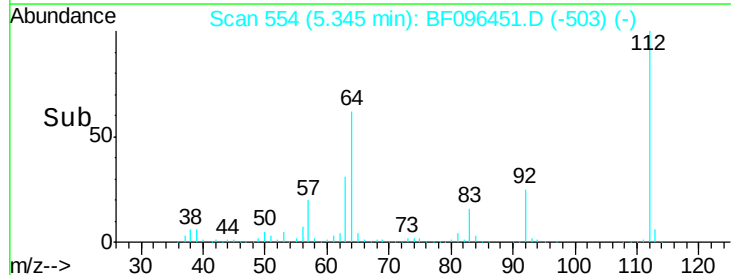
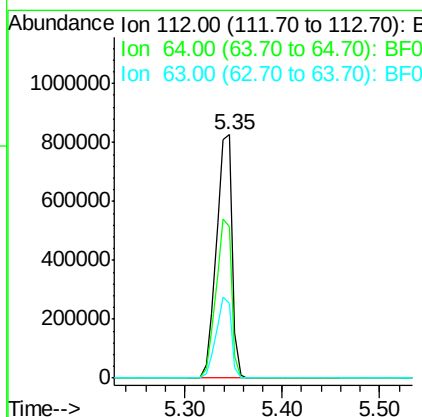
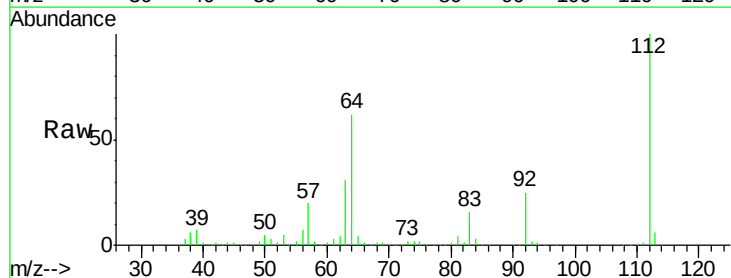
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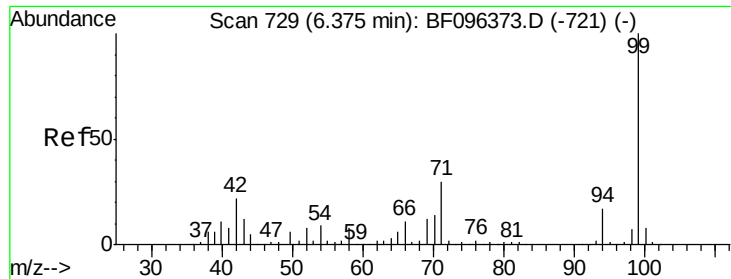


#5

2-Fluorophenol  
Concen: 115.364 ng  
RT: 5.35 min Scan# 554  
Delta R.T. 0.00 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 918641 |       |       |
| 64      | 62.1  | 46.0   | 69.0  |       |
| 63      | 30.8  | 23.4   | 35.0  |       |





#7

Phenol-d6

Concen: 111.834 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA\_F

ClientSampled :

HR-06-062917-A

Tgt Ion: 99 Resp: 1094787

Ion Ratio Lower Upper

99 100

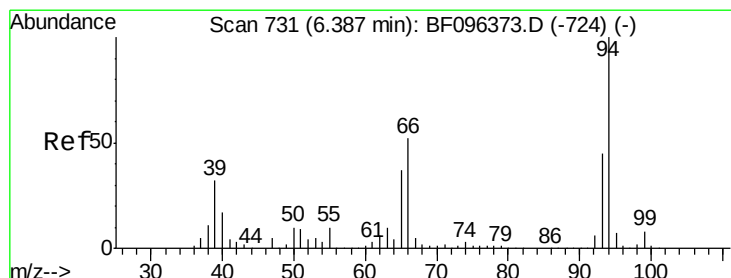
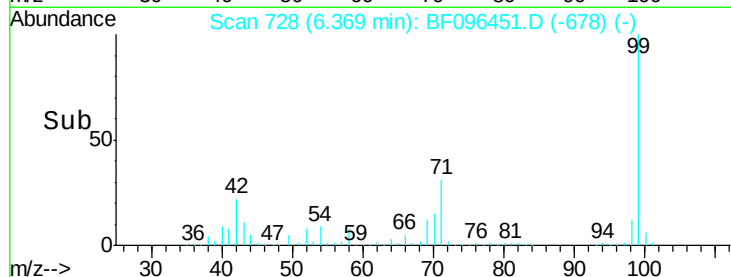
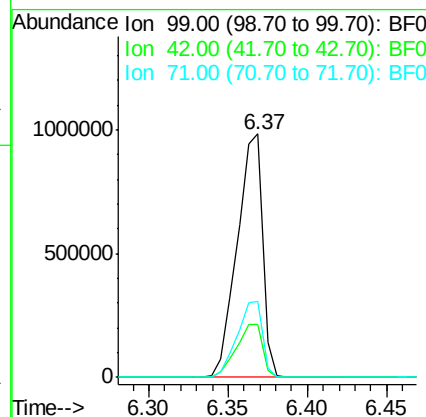
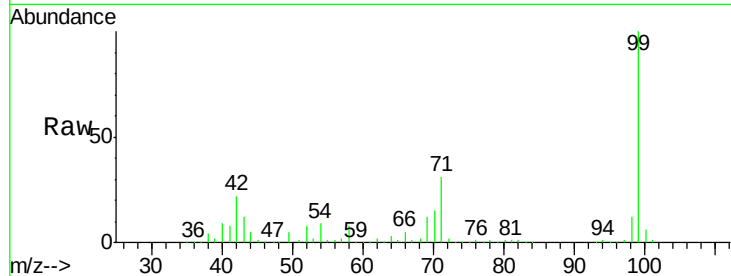
42 21.8 13.5 20.3#

71 31.3 24.5 36.7

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#10

Phenol

Concen: 5.288 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

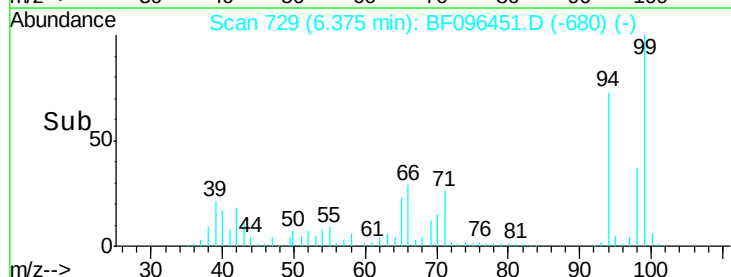
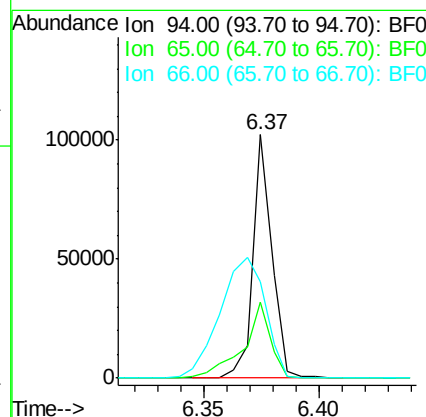
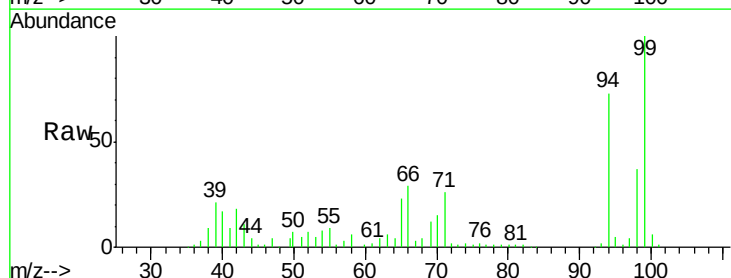
Tgt Ion: 94 Resp: 58980

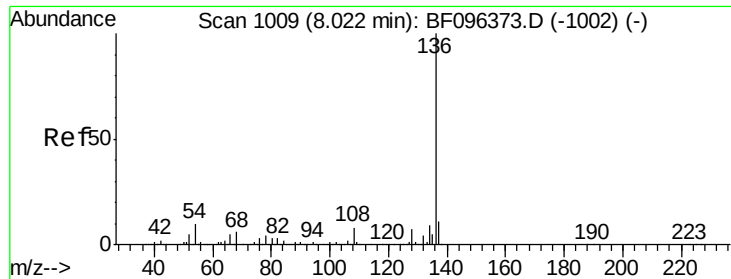
Ion Ratio Lower Upper

94 100

65 31.1 9.9 49.9

66 39.7 23.1 63.1





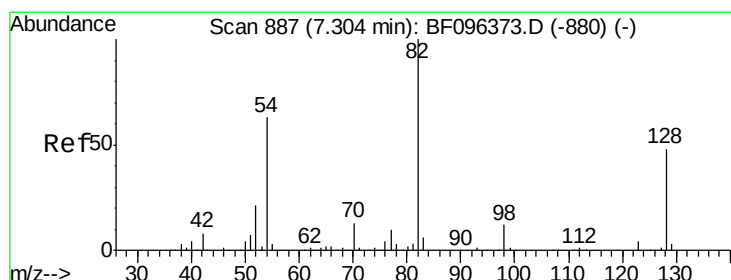
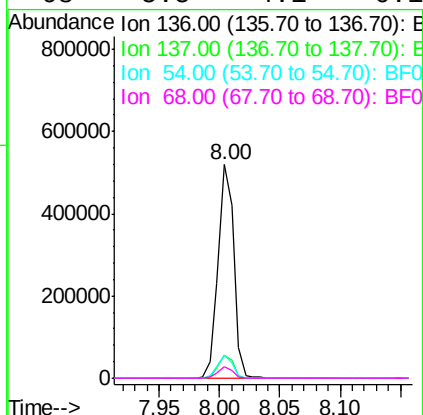
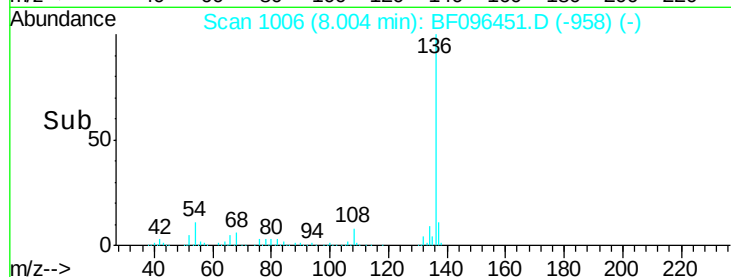
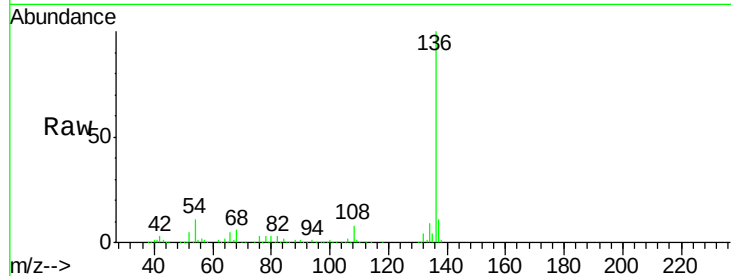
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 460652 |       |       |
| 137     | 10.7  | 8.5    | 12.7  |       |
| 54      | 11.0  | 4.9    | 7.3#  |       |
| 68      | 5.5   | 4.1    | 6.1   |       |

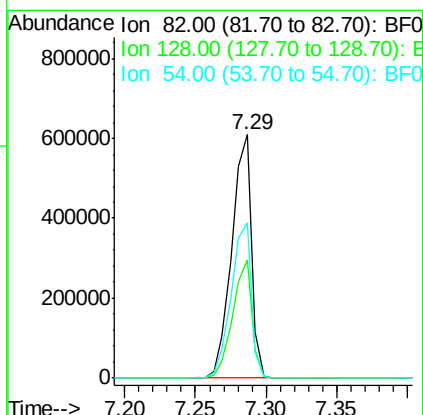
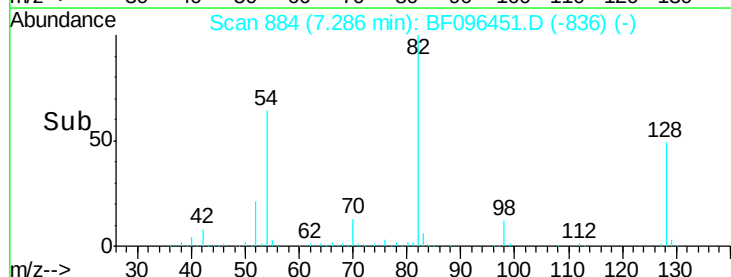
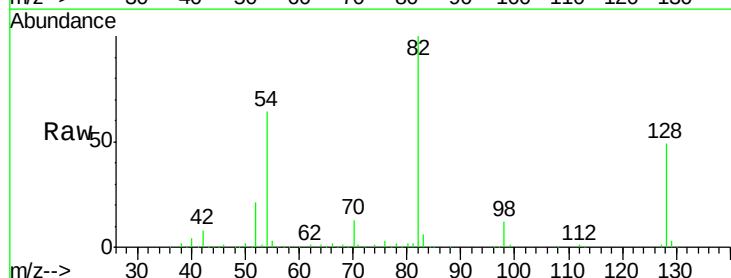
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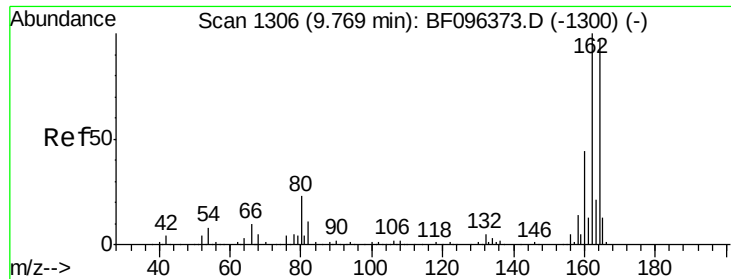
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#23  
Nitrobenzene-d5  
Concen: 77.365 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.02 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 593074 |       |       |
| 128     | 48.7  | 34.0   | 51.0  |       |
| 54      | 63.8  | 42.2   | 63.2# |       |





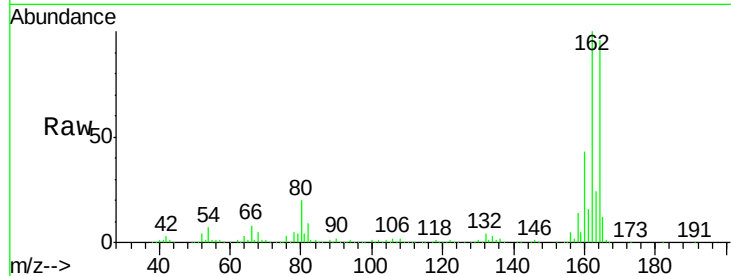
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

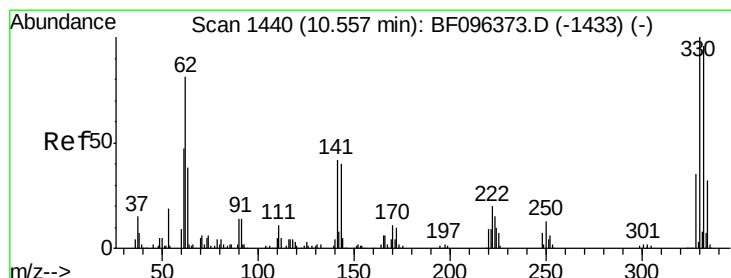
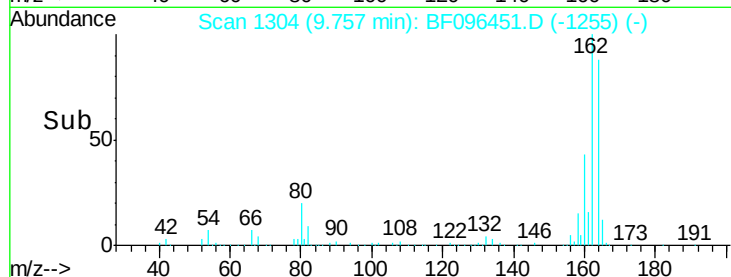
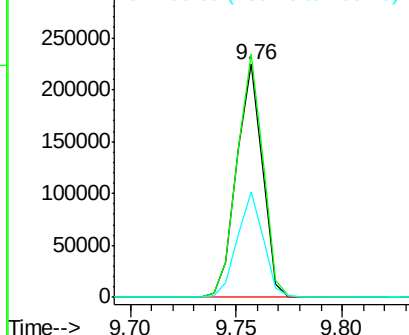
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 188178 |       |       |
| 162     | 104.5 | 82.6   | 123.8 |       |
| 160     | 45.0  | 36.2   | 54.2  |       |

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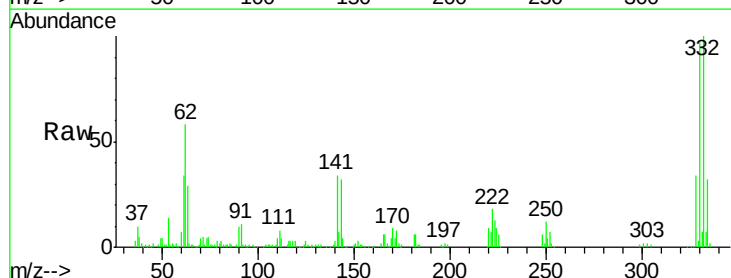


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

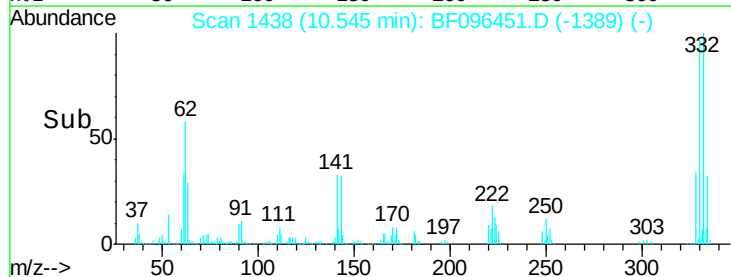
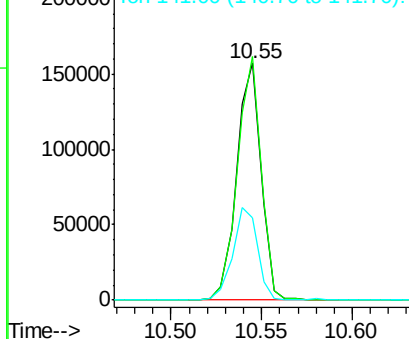


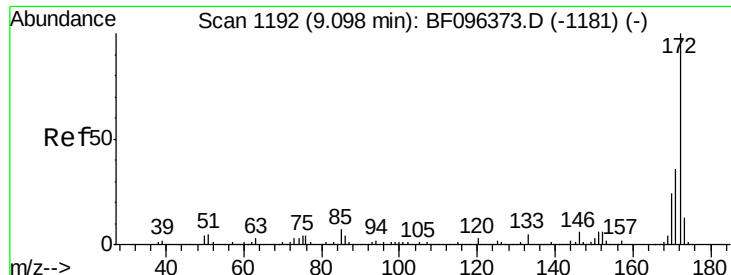
#41  
2,4,6-Tribromophenol  
Concen: 99.937 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 146898 |       |       |
| 332     | 99.8  | 76.6   | 115.0 |       |
| 141     | 39.0  | 31.4   | 47.2  |       |



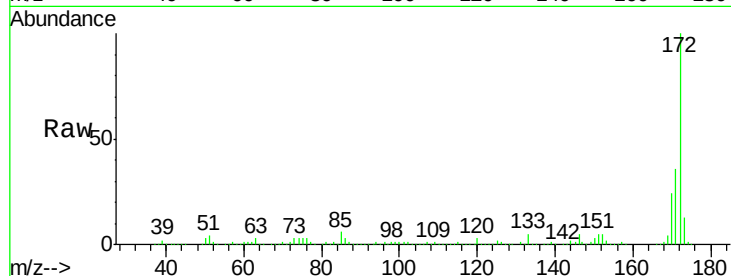
Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





#44  
 2-Fluorobiphenyl  
 Concen: 83.194 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

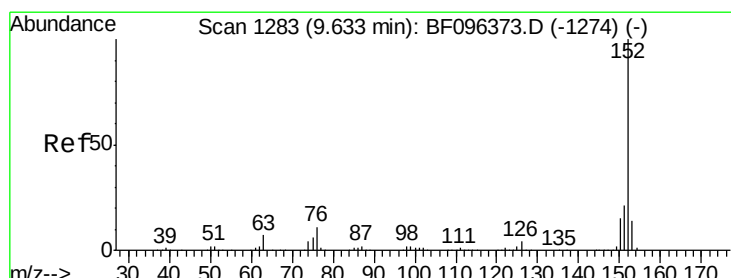
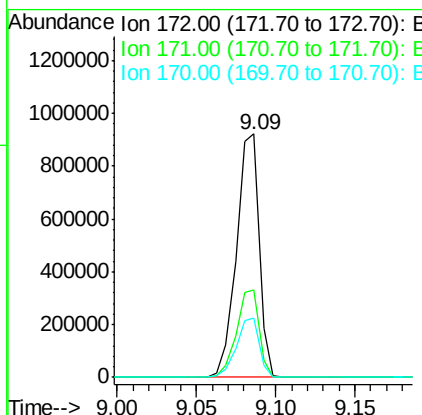
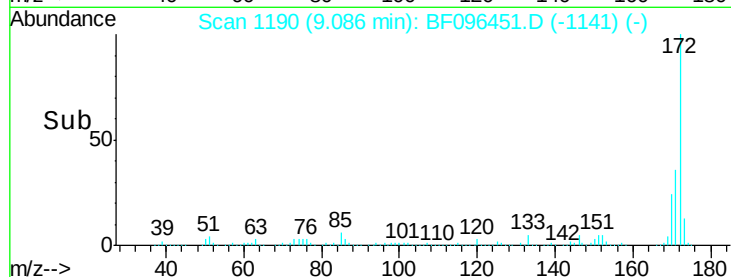
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062917-A



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 915634 |       |       |
| 171     | 36.0  |        | 29.6  | 44.4  |
| 170     | 24.5  |        | 19.8  | 29.8  |

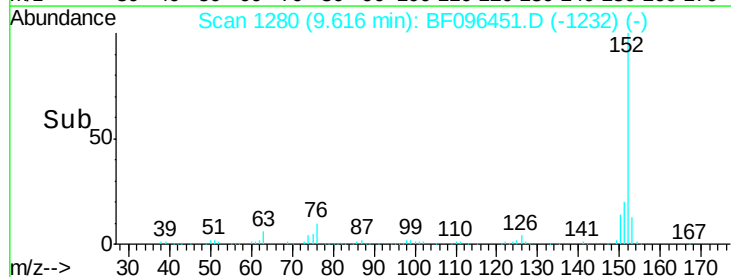
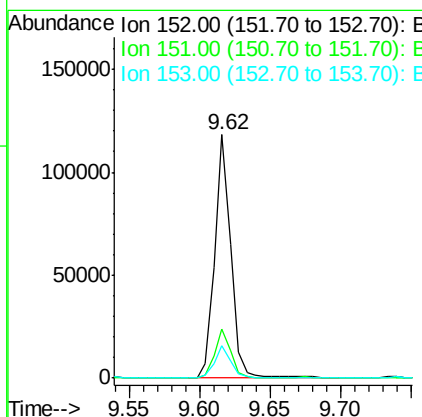
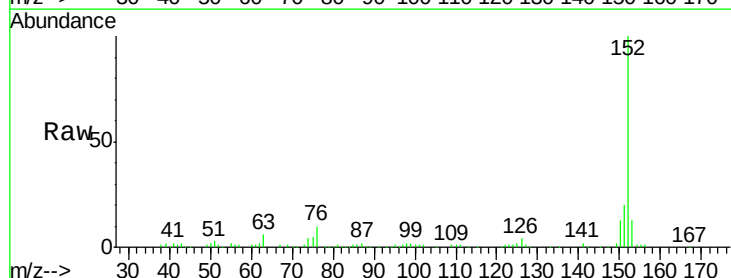
Manual Integrations  
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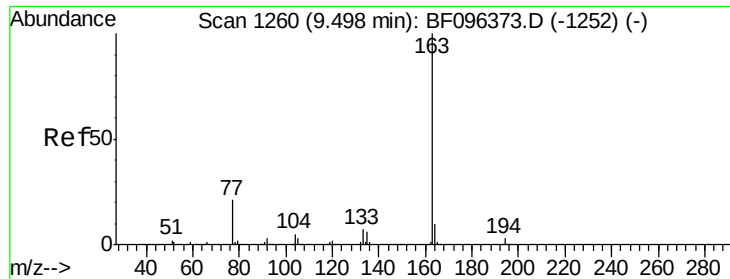
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#48  
 Acenaphthylene  
 Concen: 4.948 ng  
 RT: 9.62 min Scan# 1280  
 Delta R.T. -0.02 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 94204 |       |       |
| 151     | 20.0  |       | 16.8  | 25.2  |
| 153     | 13.1  |       | 10.8  | 16.2  |





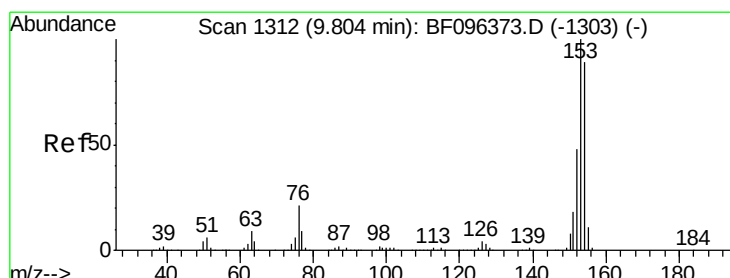
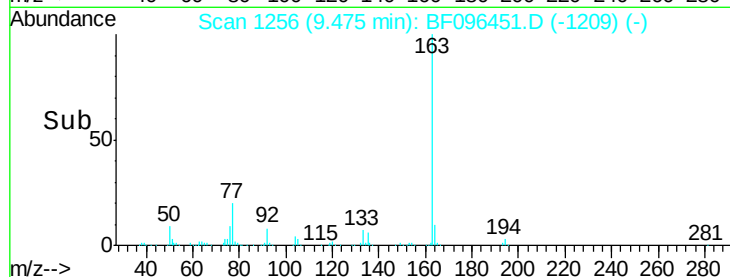
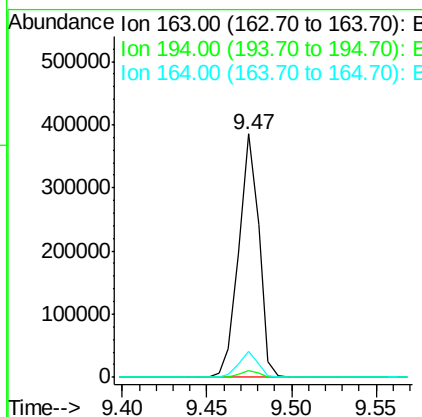
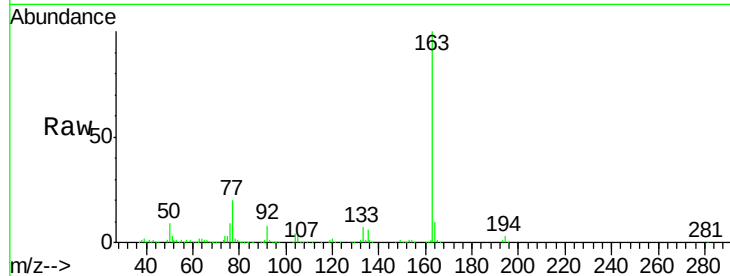
#49  
Dimethylphthalate  
Concen: 22.755 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. -0.02 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 319649 |       |       |
| 194     | 3.0   | 2.6    | 4.0   |       |
| 164     | 10.5  | 8.4    | 12.6  |       |

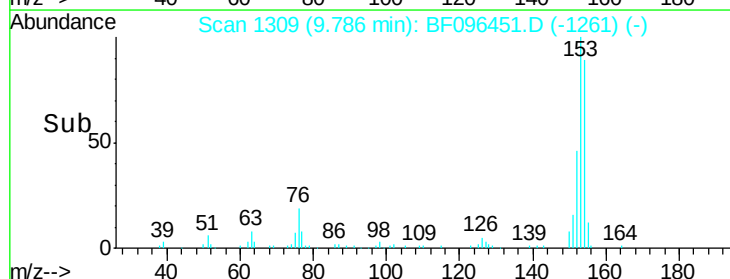
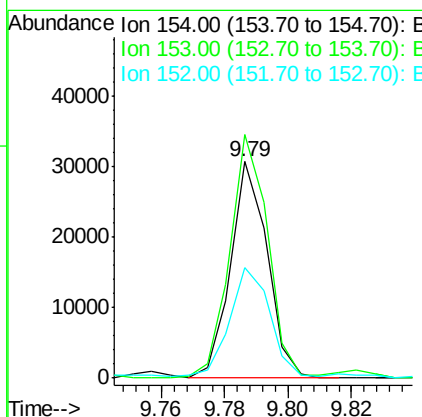
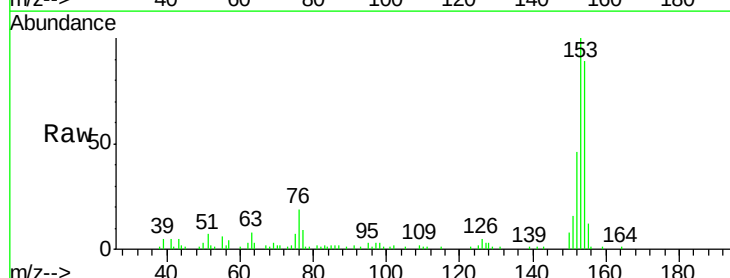
Manual Integrations  
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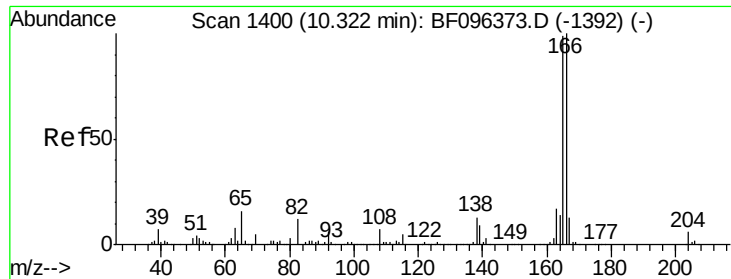


#51  
Acenaphthene  
Concen: 2.092 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. -0.02 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 24550 |       |       |
| 153     | 112.6 | 90.5  | 135.7 |       |
| 152     | 51.3  | 43.6  | 65.4  |       |







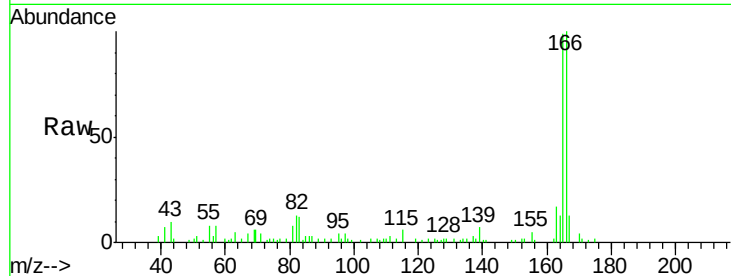
#57  
**Fluorene**  
 Concen: 2.579 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.02 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062917-A

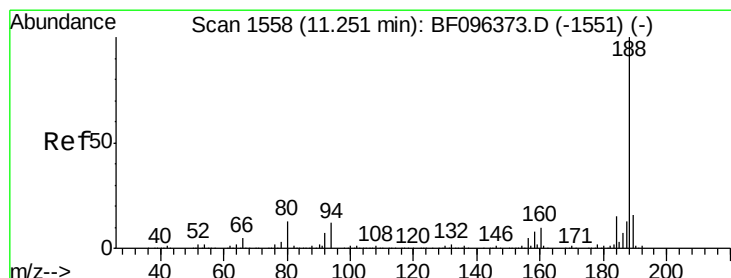
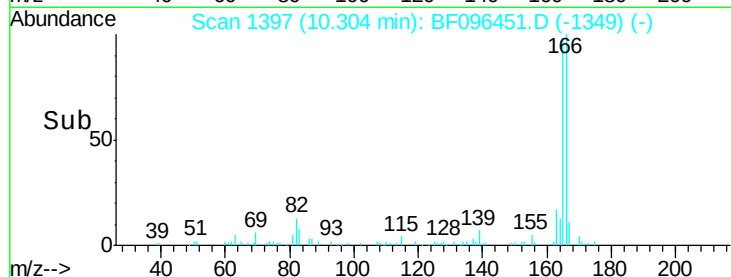
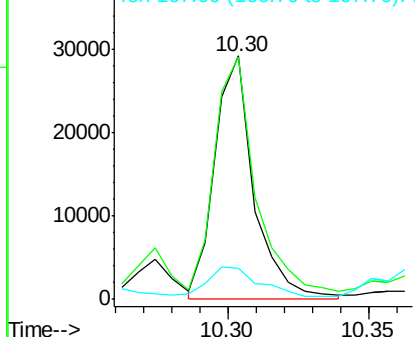
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.3  | 78.8  | 118.2 |
| 167     | 12.7  | 10.6  | 16.0  |

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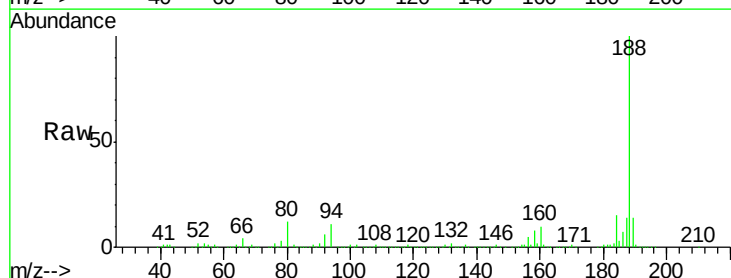


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

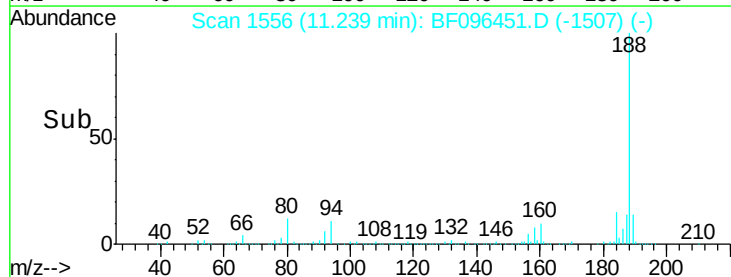
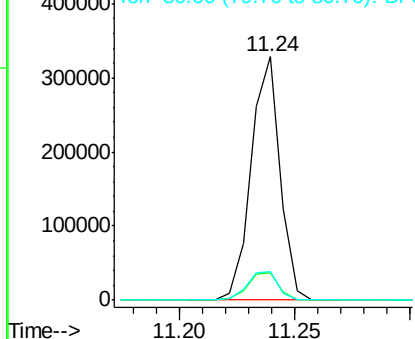


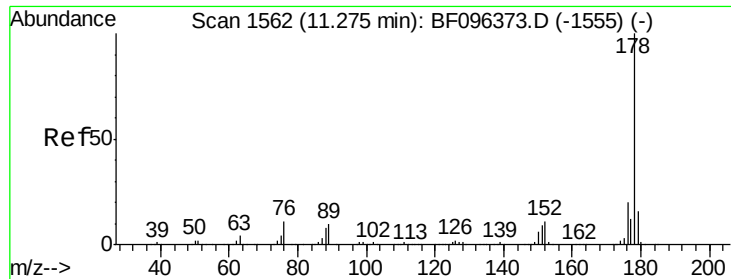
#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. -0.01 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.2  | 9.4   | 14.2  |
| 80      | 11.6  | 10.2  | 15.2  |



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0





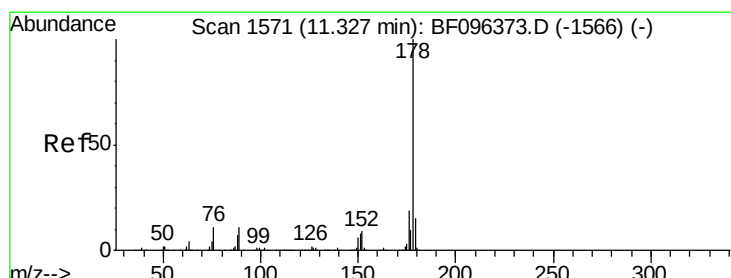
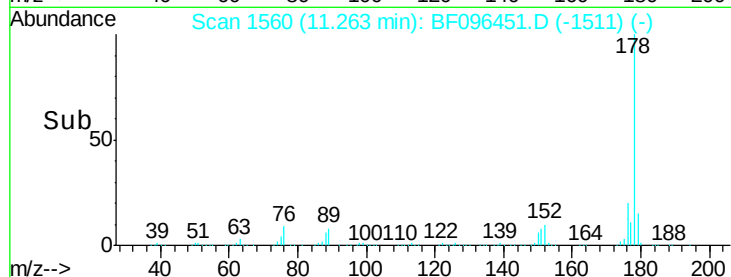
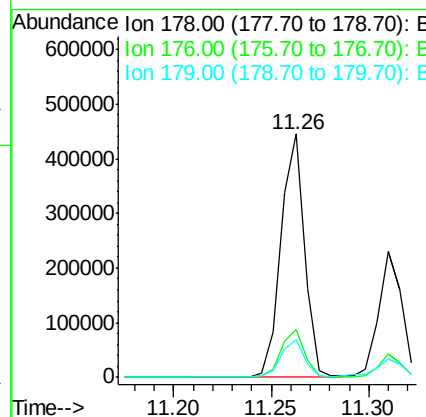
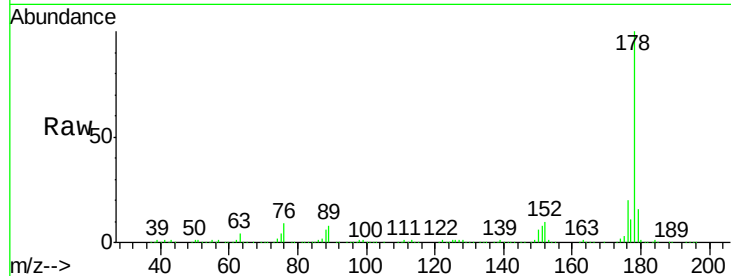
#70  
Phenanthrene  
Concen: 24.015 ng  
RT: 11.26 min Scan# 1560  
Delta R.T. -0.01 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 16.2  | 24.4  |
| 179     | 15.6  | 12.6  | 19.0  |

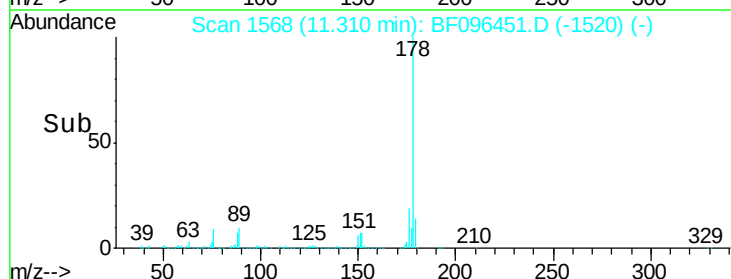
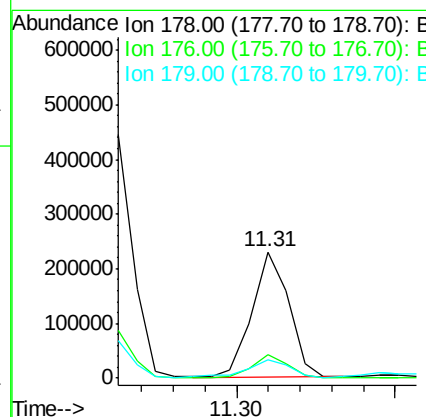
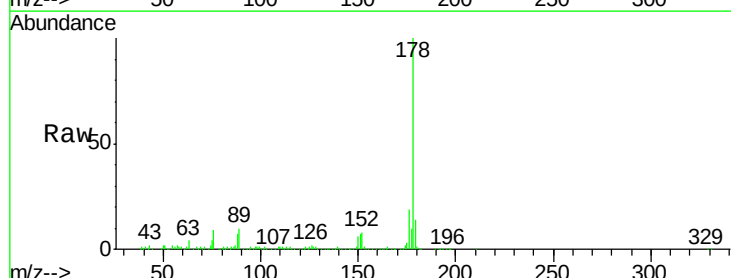
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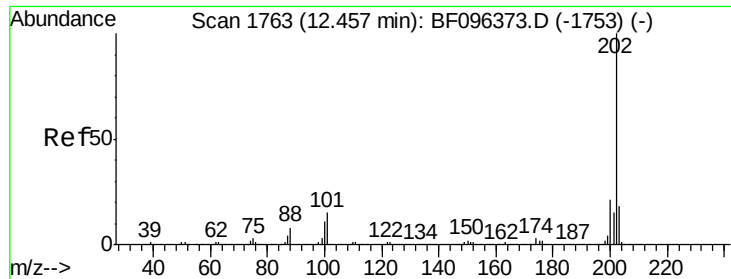
mohammad  
7/5/2017 11:41:42 AM



#71  
Anthracene  
Concen: 11.730 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.02 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.8  | 23.8  |
| 179     | 14.5  | 12.7  | 19.1  |





#74

Fluoranthene

Concen: 79.216 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA\_F

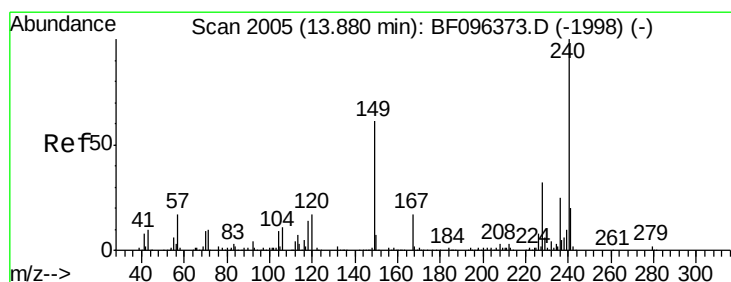
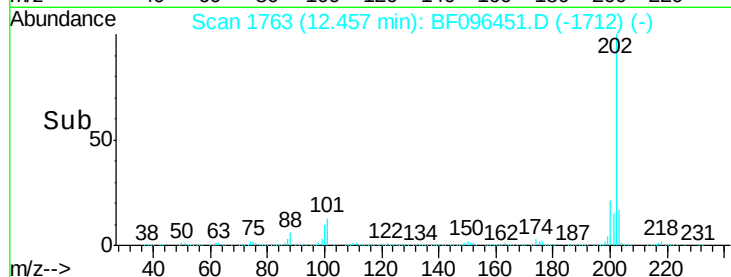
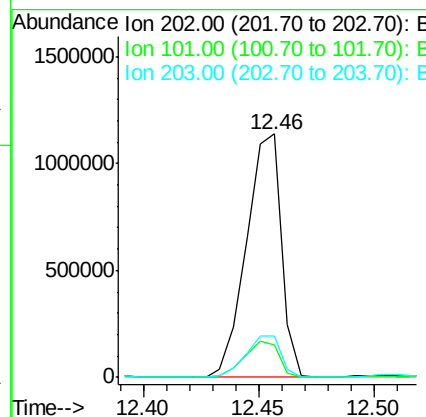
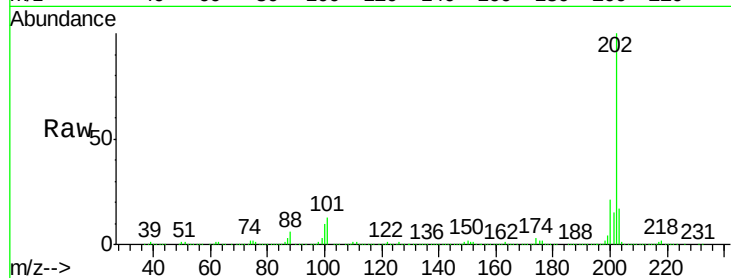
ClientSampleId :

HR-06-062917-A

|     |       |       |       |         |
|-----|-------|-------|-------|---------|
| Tgt | Ion   | 202   | Resp: | 1207033 |
| Ion | Ratio | Lower | Upper |         |
| 202 | 100   |       |       |         |
| 101 | 13.1  | 0.0   | 33.2  |         |
| 203 | 17.2  | 0.0   | 38.1  |         |

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#75

Chrysene-d12

Concen: 20.000 ng

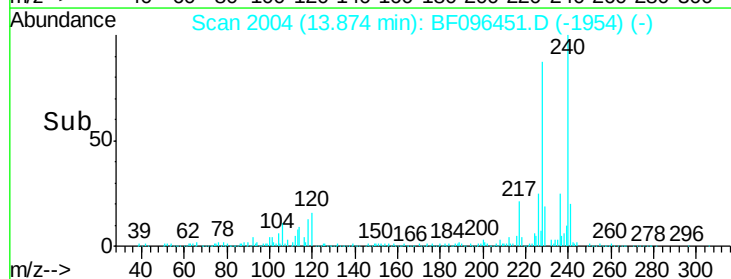
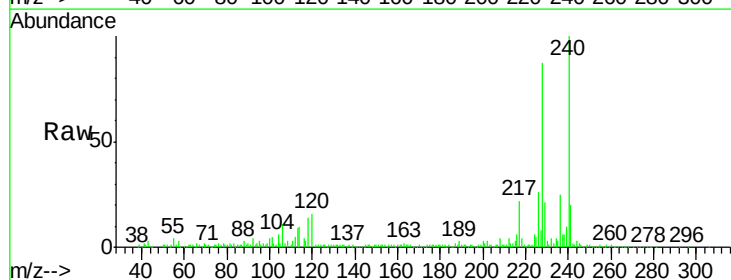
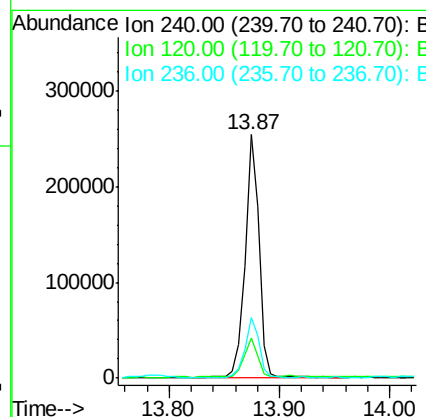
RT: 13.87 min Scan# 2004

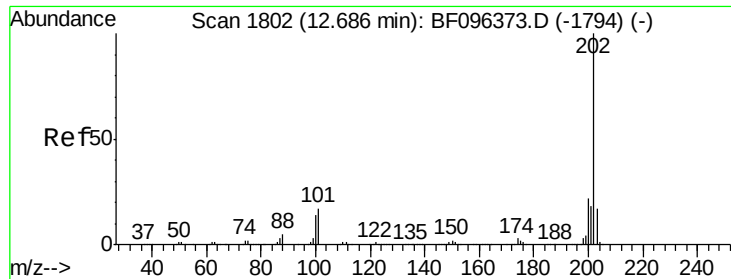
Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 240   | Resp: | 224519 |
| Ion | Ratio | Lower | Upper |        |
| 240 | 100   |       |       |        |
| 120 | 16.3  | 5.8   | 8.8#  |        |
| 236 | 25.1  | 20.5  | 30.7  |        |





#77

Pyrene

Concen: 66.758 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA\_F

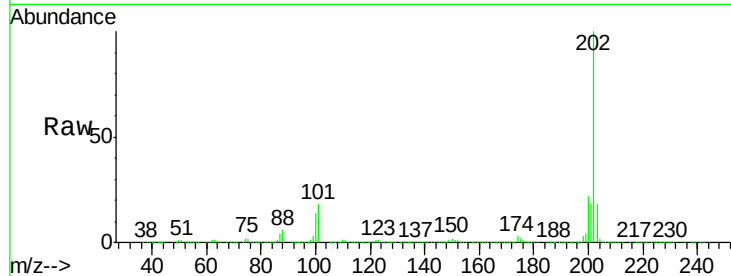
ClientSampleId :

HR-06-062917-A

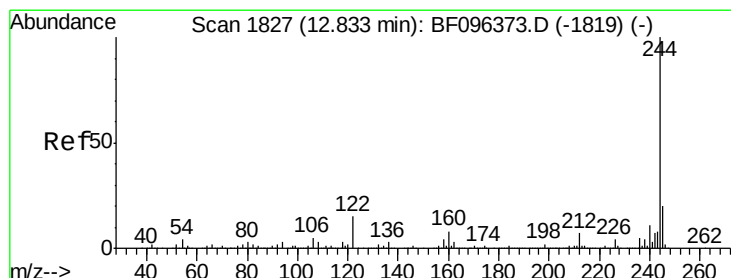
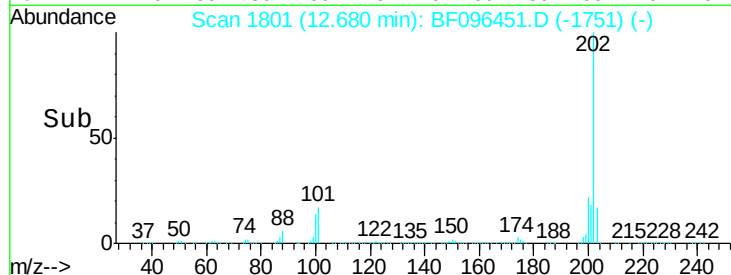
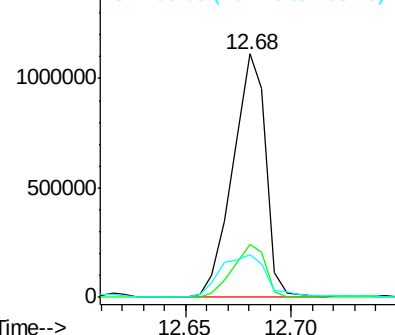
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 202   | Resp: | 1203085 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 200      | 21.6  | 17.6  | 26.4    |
| 203      | 17.8  | 14.4  | 21.6    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.387 ng

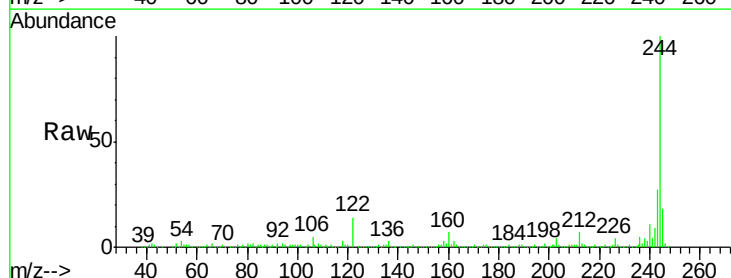
RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

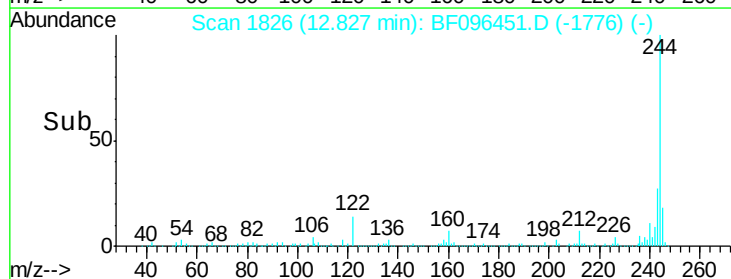
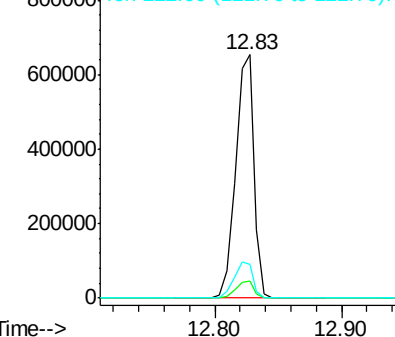
Lab File: BF096451.D

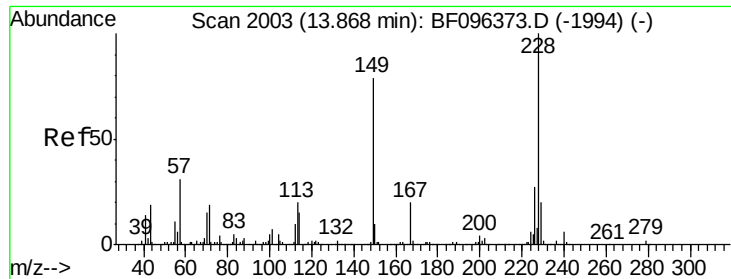
Acq: 3 Jul 2017 19:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 655503 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 6.9   | 6.0   | 9.0    |
| 122      | 13.6  | 10.3  | 15.5   |



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





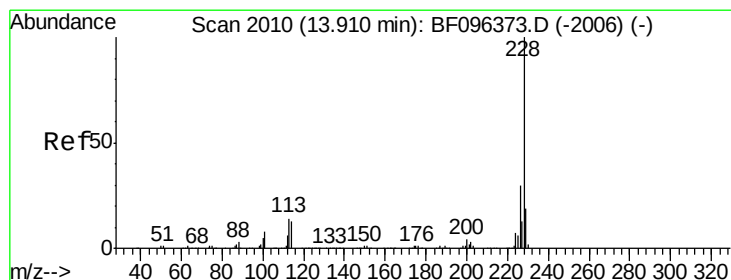
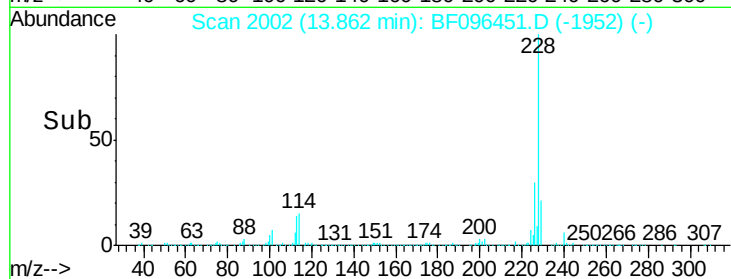
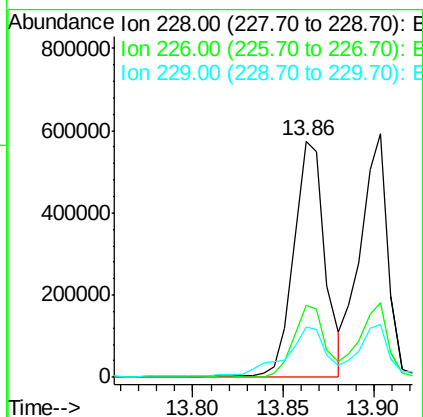
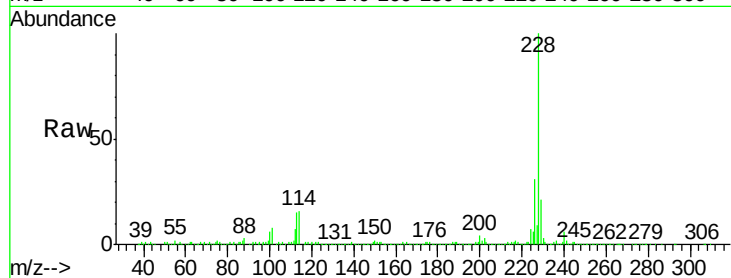
#80  
Benzo(a)anthracene  
Concen: 53.447 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-062917-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 22.6  | 33.8  |
| 229     | 21.4  | 16.3  | 24.5  |

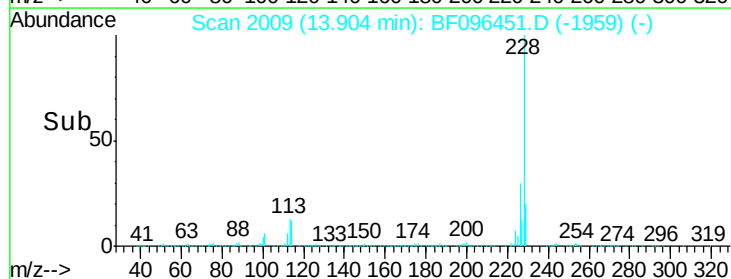
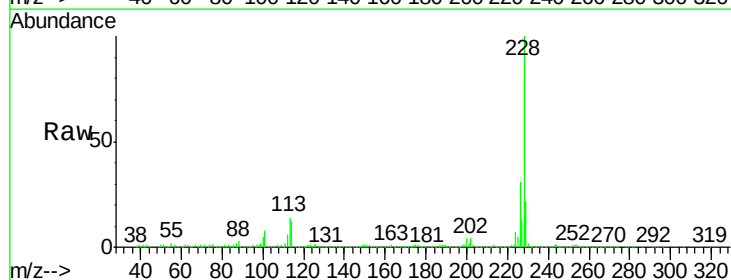
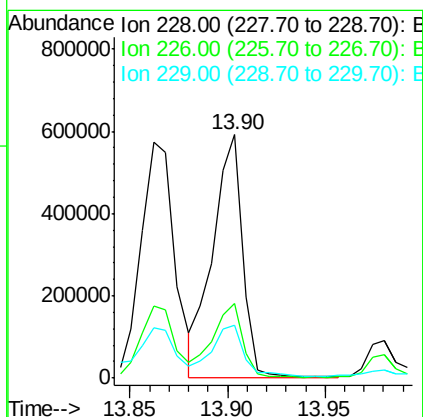
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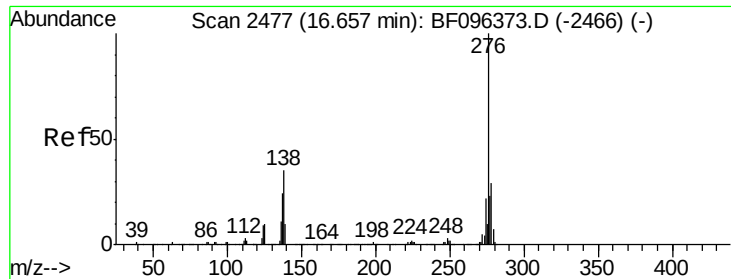
mohammad  
7/5/2017 11:41:42 AM



#82  
Chrysene  
Concen: 45.900 ng  
RT: 13.90 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BF096451.D  
Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.9  | 37.3  |
| 229     | 21.6  | 15.8  | 23.6  |





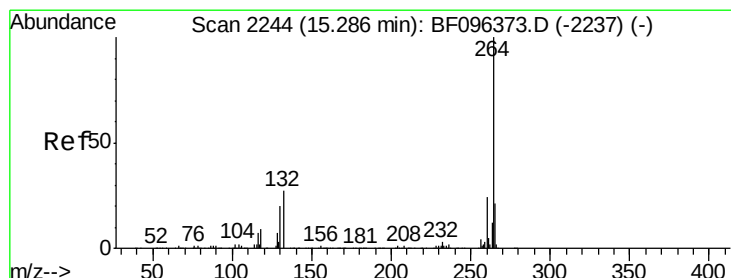
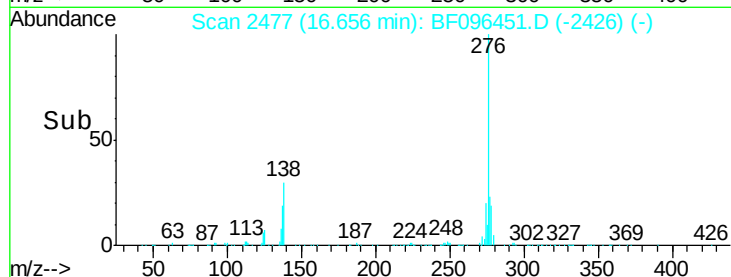
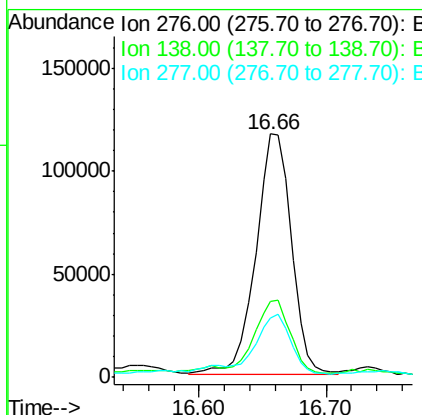
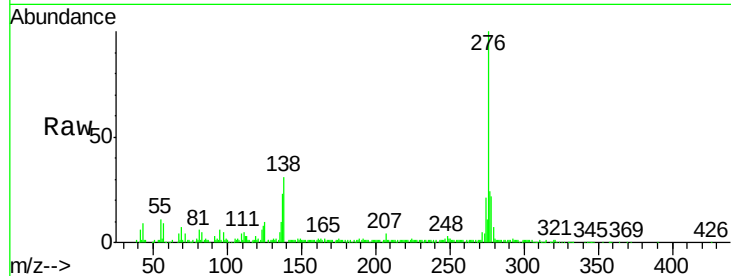
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 21.345 ng  
 RT: 16.66 min Scan# 2477  
 Delta R.T. -0.00 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062917-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 229401 |       |       |
| 138     | 30.1  |        | 27.8  | 41.6  |
| 277     | 24.4  |        | 20.2  | 30.4  |

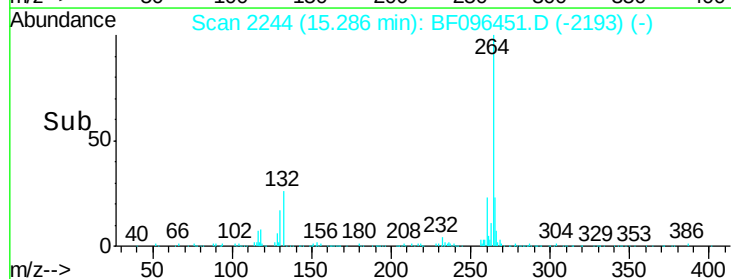
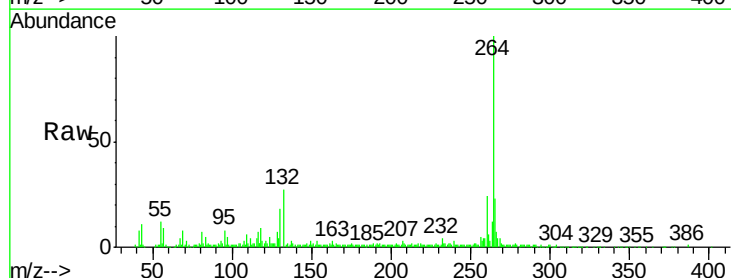
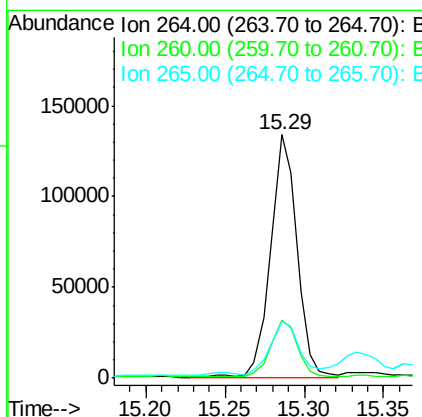
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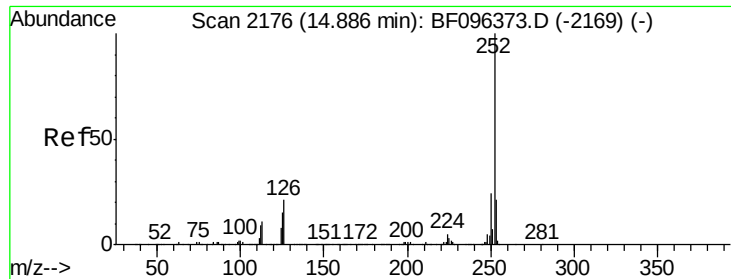
mohammad  
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. -0.00 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 156133 |       |       |
| 260     | 24.0  |        | 19.5  | 29.3  |
| 265     | 23.4  |        | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 62.051 ng m

RT: 14.89 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA\_F

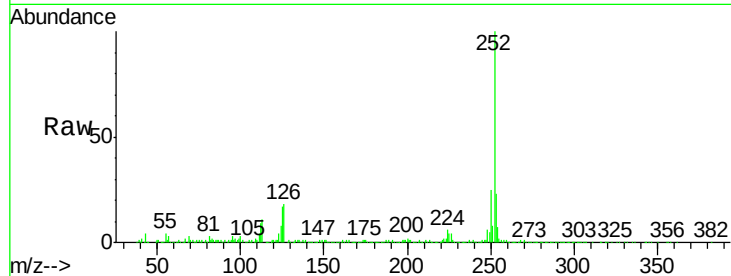
ClientSampleId :

HR-06-062917-A

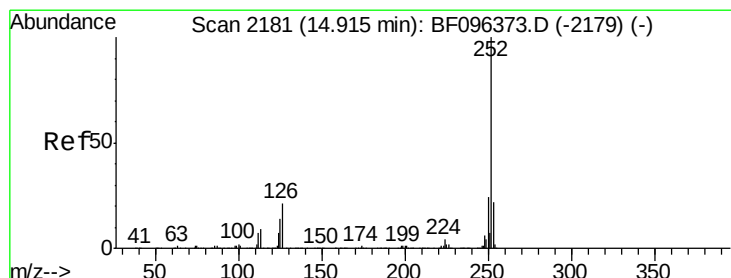
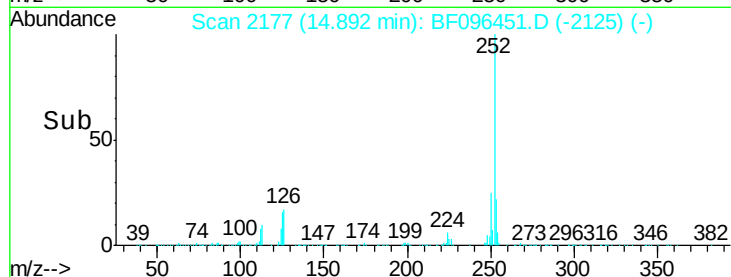
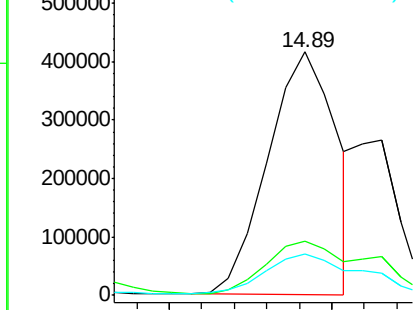
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.1  | 27.1  |
| 125     | 17.1  | 9.8   | 14.8# |

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



#88

Benzo(k)fluoranthene

Concen: 27.083 ng m

RT: 14.92 min Scan# 2181

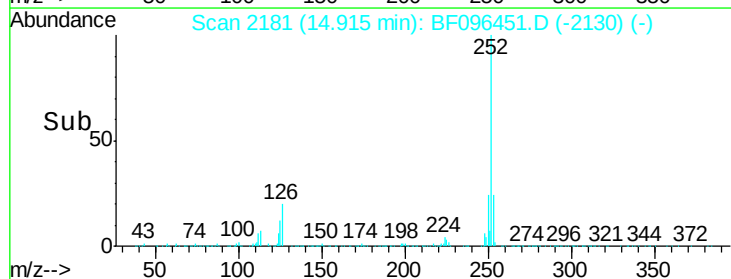
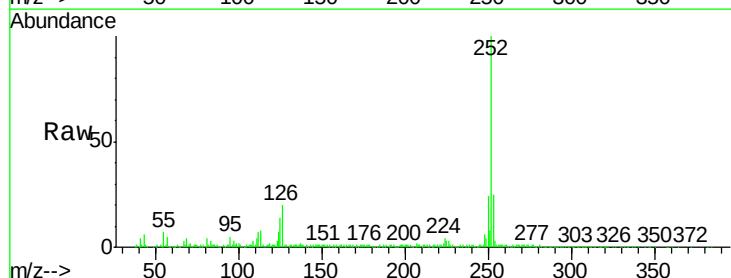
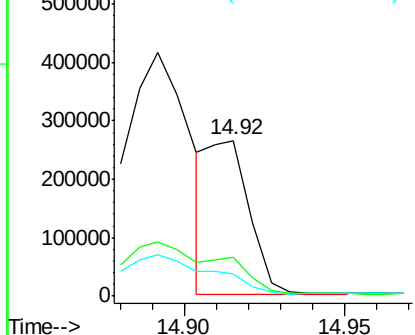
Delta R.T. -0.00 min

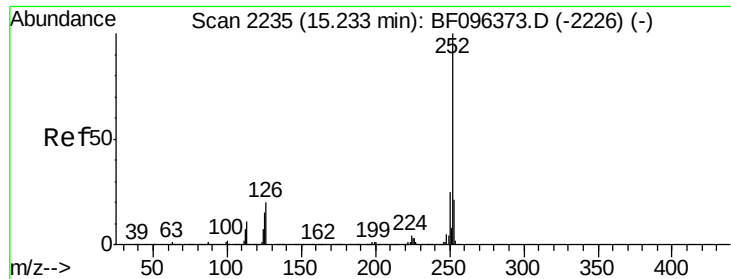
Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 18.4  | 27.6  |
| 125     | 13.8  | 13.1  | 19.7  |

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





#89

Benzo(a)pyrene

Concen: 47.687 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA\_F

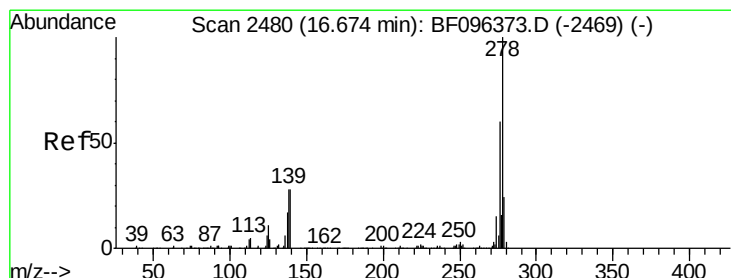
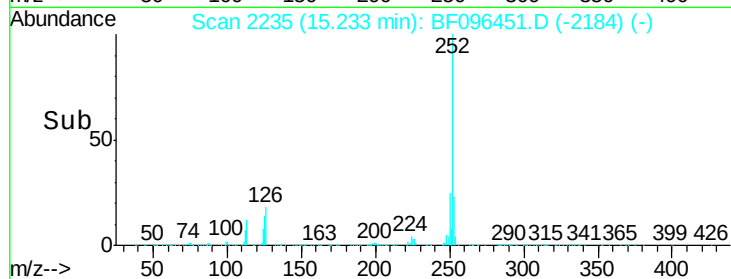
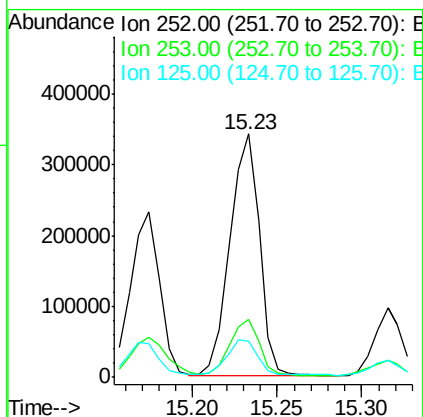
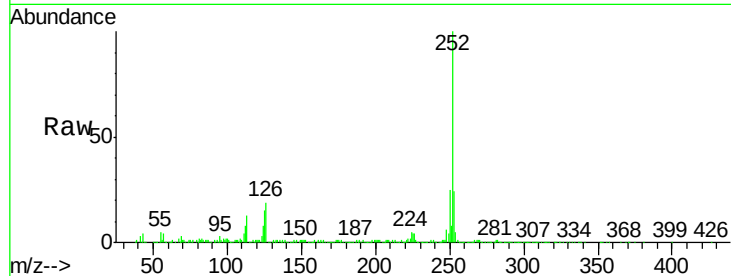
ClientSampleId :

HR-06-062917-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 416523 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.8  | 17.5  | 26.3   |
| 125       | 15.1  | 11.0  | 16.4   |

Manual Integrations  
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mohammad  
7/5/2017 11:41:42 AM



#90

Dibenzo(a,h)anthracene

Concen: 9.539 ng

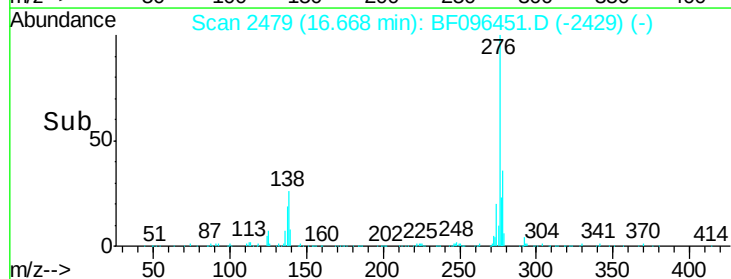
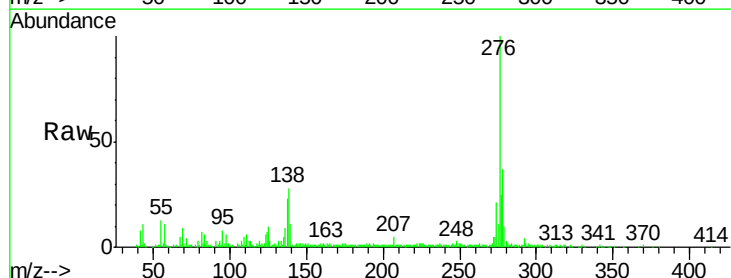
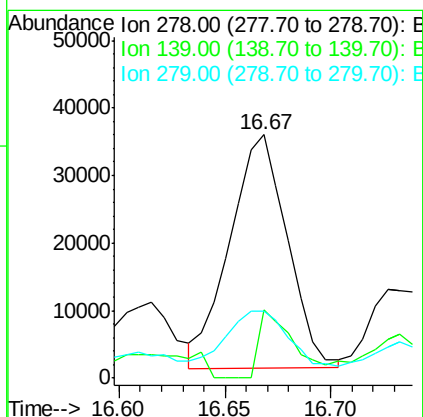
RT: 16.67 min Scan# 2479

Delta R.T. -0.01 min

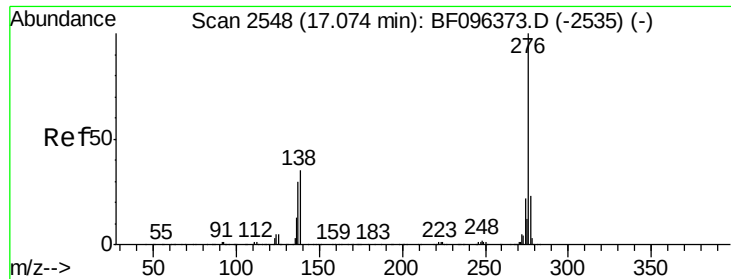
Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 65547 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 28.2  | 16.6  | 24.8# |
| 279       | 27.4  | 19.3  | 28.9  |







#91  
 Benzo(g,h,i)perylene  
 Concen: 31.279 ng  
 RT: 17.07 min Scan# 2548  
 Delta R.T. -0.00 min  
 Lab File: BF096451.D  
 Acq: 3 Jul 2017 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-062917-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 222716 |       |       |
| 277     | 25.9  | 18.6   | 28.0  |       |
| 138     | 34.6  | 25.4   | 38.0  |       |

Manual Integrations  
 APPROVED

mohammad  
 7/5/2017 11:41:42 AM

