

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\  
 Data File : BF095911.D  
 Acq On : 14 Jun 2017 00:34  
 Operator : SJ/MA  
 Sample : I3635-04 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-061217-B

Manual Integrations  
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 6/14/2017 4:25:09 PM

Quant Time: Jun 14 05:46:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 74731    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8          | 9.38  | 136  | 286746   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 12.20 | 164  | 107447   | 20.00 | ng    | -0.06    |
| 63) Phenanthrene-d10        | 14.60 | 188  | 168090   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 18.33 | 240  | 137706   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 19.99 | 264  | 105258   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 249766   | 53.26 | ng    | -0.04    |
| 7) Phenol-d6                | 6.92  | 99   | 309429   | 55.11 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 8.27  | 82   | 174469   | 37.79 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 13.50 | 330  | 46011    | 48.40 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 11.16 | 172  | 327871   | 42.46 | ng    | -0.06    |
| 78) Terphenyl-d14           | 16.97 | 244  | 224584   | 40.47 | ng    | -0.04    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 9.42  | 128  | 51535    | 3.58  | ng    | 97       |
| 37) 2-Methylnaphthalene     | 10.55 | 142  | 33324    | 3.43  | ng    | 95       |
| 48) Acenaphthylene          | 11.97 | 152  | 137967   | 11.66 | ng    | 98       |
| 49) Dimethylphthalate       | 11.86 | 163  | 37314    | 4.57  | ng    | 99       |
| 51) Acenaphthene            | 12.26 | 154  | 17545    | 2.57  | ng    | 98       |
| 54) Dibenzofuran            | 12.55 | 168  | 23301    | 2.42  | ng    | 96       |
| 57) Fluorene                | 13.10 | 166  | 55700    | 6.66  | ng    | 98       |
| 70) Phenanthrene            | 14.63 | 178  | 405092   | 41.77 | ng    | 98       |
| 71) Anthracene              | 14.72 | 178  | 143188   | 14.14 | ng    | 98       |
| 72) Carbazole               | 15.03 | 167  | 27597    | 2.80  | ng    | 98       |
| 74) Fluoranthene            | 16.43 | 202  | 886970   | 92.40 | ng    | 98       |
| 77) Pyrene                  | 16.73 | 202  | 900604   | 87.65 | ng    | 97       |
| 80) Benzo(a)anthracene      | 18.32 | 228  | 505587   | 63.15 | ng    | 98       |
| 82) Chrysene                | 18.36 | 228  | 427995   | 53.49 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene  | 21.17 | 276  | 210265   | 30.71 | ng    | 93       |
| 87) Benzo(b)fluoranthene    | 19.59 | 252  | 506946m  | 76.92 | ng    |          |
| 88) Benzo(k)fluoranthene    | 19.62 | 252  | 165995m  | 26.35 | ng    |          |
| 89) Benzo(a)pyrene          | 19.94 | 252  | 350095   | 57.79 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 21.16 | 278  | 51442    | 10.01 | ng    | # 78     |
| 91) Benzo(a,h,i)perylene    | 21.50 | 276  | 207275   | 39.57 | ng    | 97       |

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

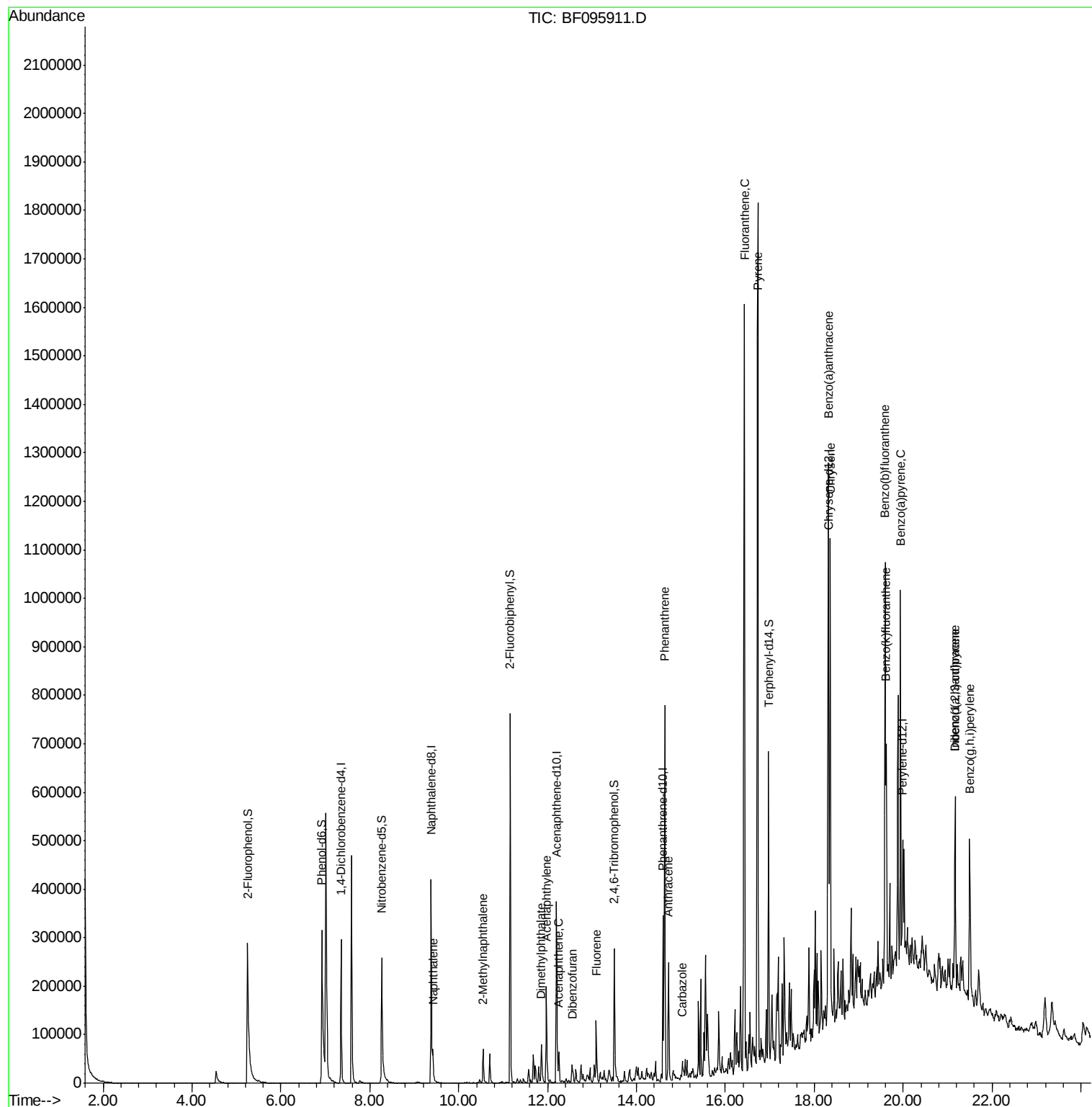
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\  
Data File : BF095911.D  
Acq On : 14 Jun 2017 00:34  
Operator : SJ/MA  
Sample : I3635-04 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

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Quant Time: Jun 14 05:46:28 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 05 16:15:31 2017  
Response via : Initial Calibration





#1

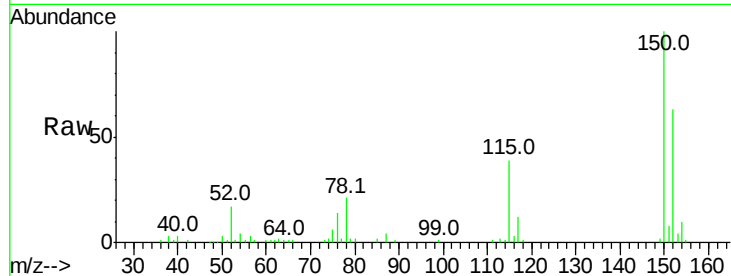
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.35 min Scan# 980  
Delta R.T. -0.05 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

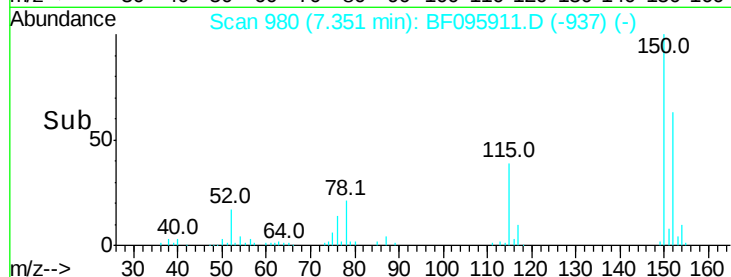
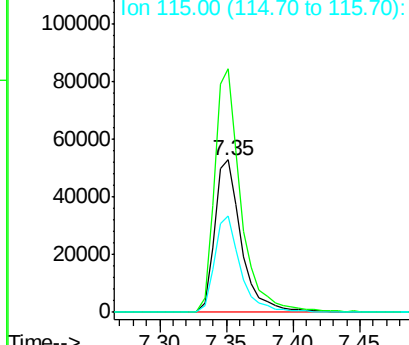
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.5 | 126.2 | 189.2 |
| 115     | 63.0  | 52.2  | 78.2  |

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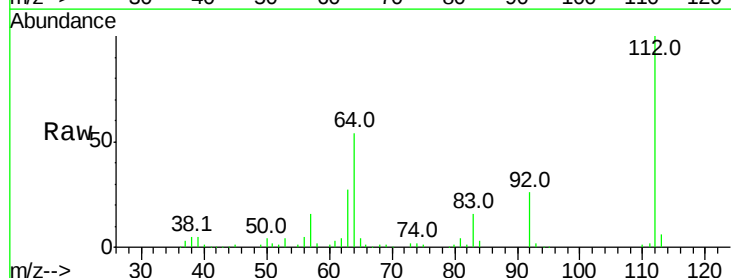
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



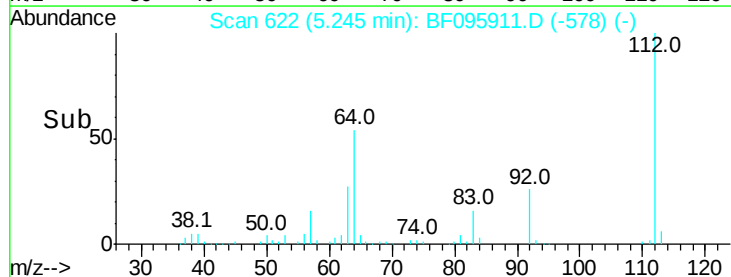
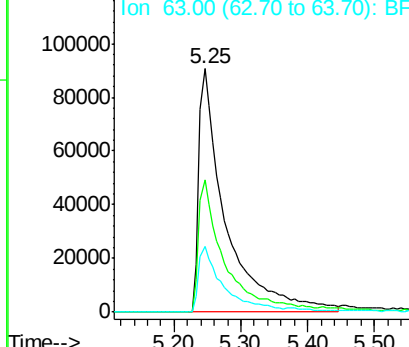
#5

2-Fluorophenol  
Concen: 53.26 ng  
RT: 5.25 min Scan# 622  
Delta R.T. -0.04 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.4  | 46.0  | 69.0  |
| 63      | 26.8  | 23.4  | 35.0  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.11 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

Instrument :

BNA\_F

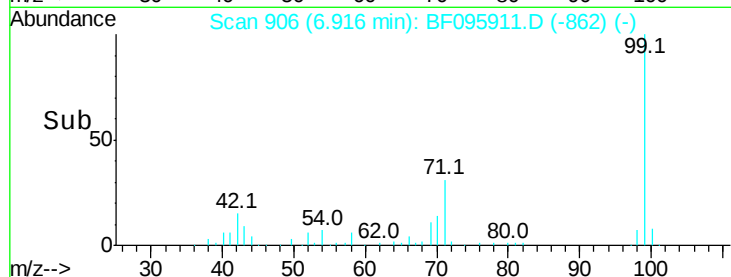
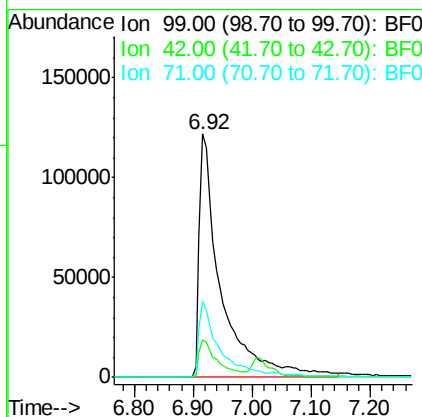
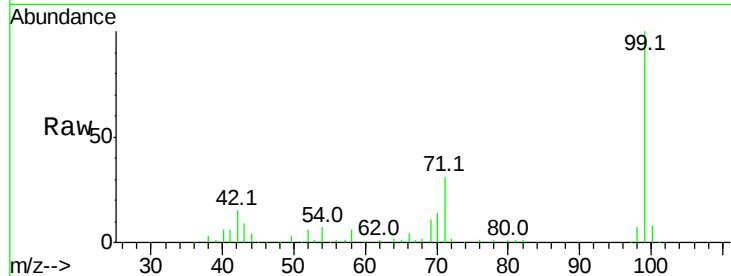
ClientSampleId :

CL-02-061217-B

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 309429 |       |       |
| 42      | 15.4 | 13.5  | 20.3   |       |       |
| 71      | 31.0 | 24.5  | 36.7   |       |       |

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#21

Naphthalene-d8

Concen: 20.00 ng

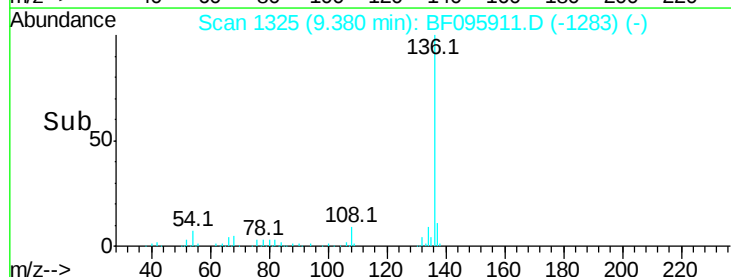
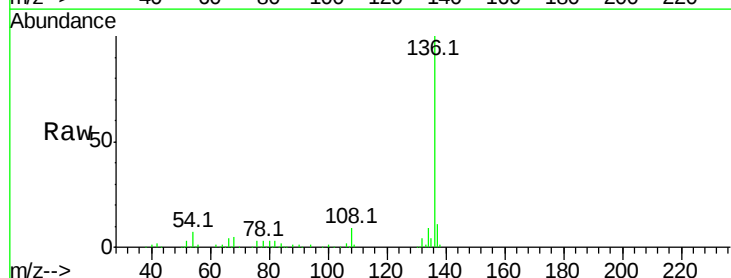
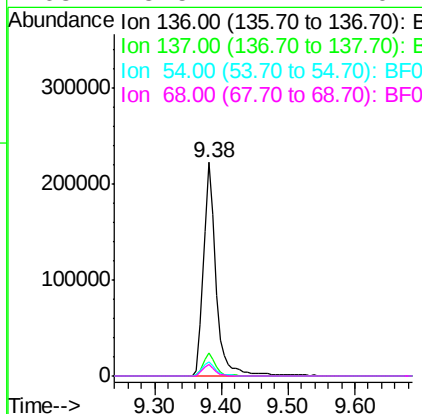
RT: 9.38 min Scan# 1325

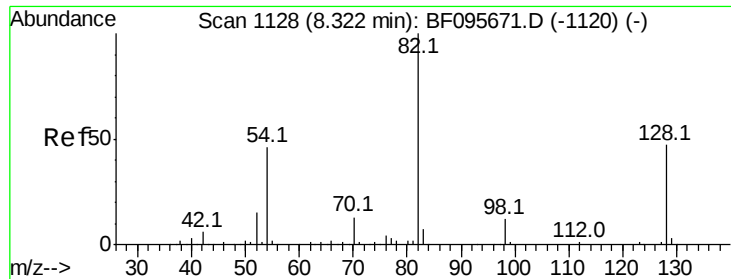
Delta R.T. -0.05 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 286746 |       |       |
| 137     | 10.9 | 8.5   | 12.7   |       |       |
| 54      | 6.7  | 4.9   | 7.3    |       |       |
| 68      | 5.5  | 4.1   | 6.1    |       |       |





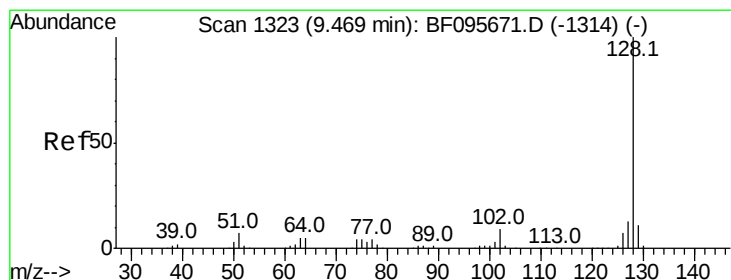
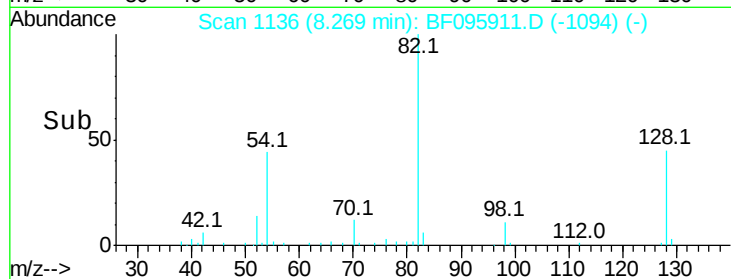
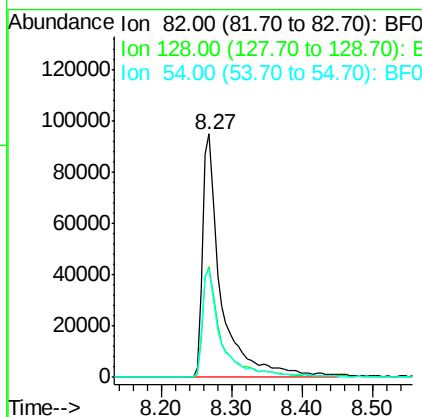
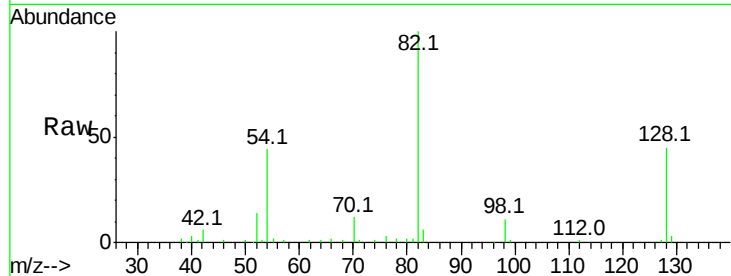
#23  
 Nitrobenzene-d5  
 Concen: 37.79 ng  
 RT: 8.27 min Scan# 1136  
 Delta R.T. -0.05 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-061217-B

| Tot Ion   | 82   | Resp  | 174469 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.2 | 34.0  | 51.0   |
| 54        | 44.4 | 42.2  | 63.2   |

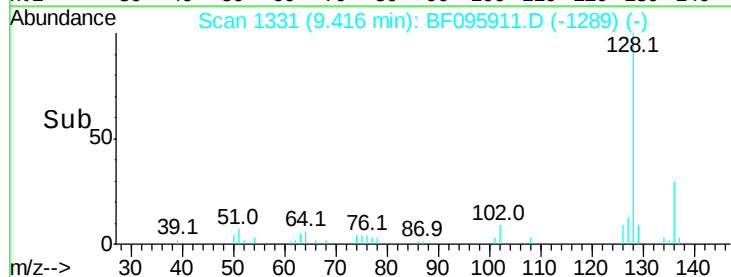
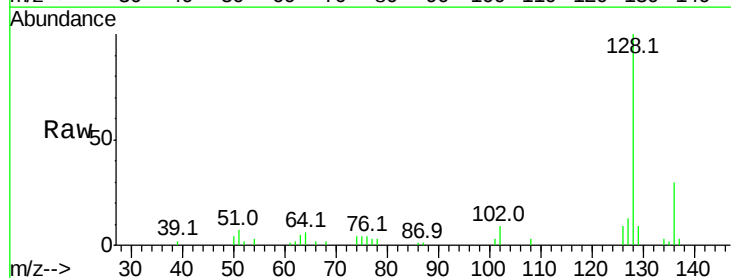
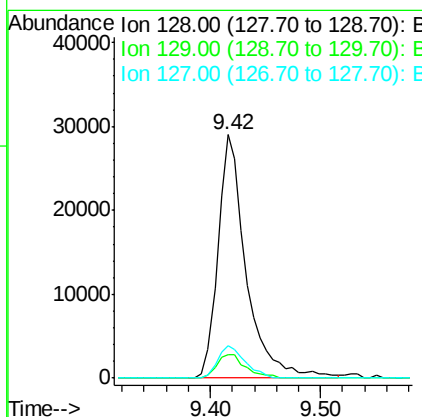
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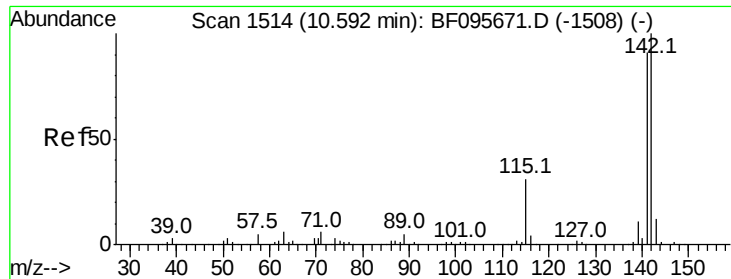
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#31  
 Naphthalene  
 Concen: 3.58 ng  
 RT: 9.42 min Scan# 1331  
 Delta R.T. -0.05 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

| Tgt Ion   | 128  | Resp  | 51535 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 9.5  | 9.0   | 13.6  |
| 127       | 13.3 | 10.8  | 16.2  |





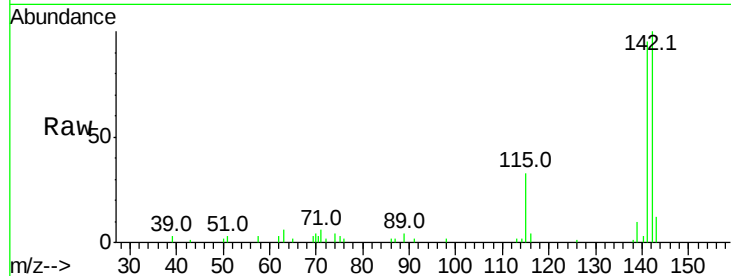
#37  
2-Methylnaphthalene  
Concen: 3.43 ng  
RT: 10.55 min Scan# 1523  
Delta R.T. -0.05 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.8  | 71.3  | 106.9 |
| 115     | 32.8  | 27.1  | 40.7  |

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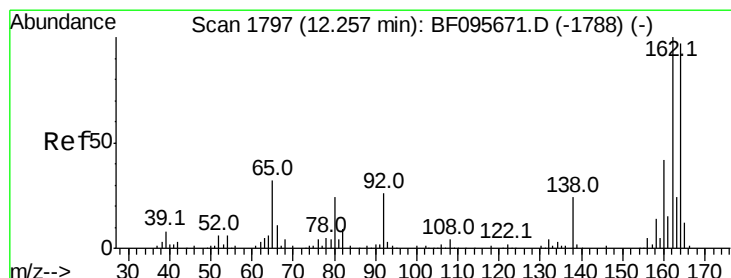
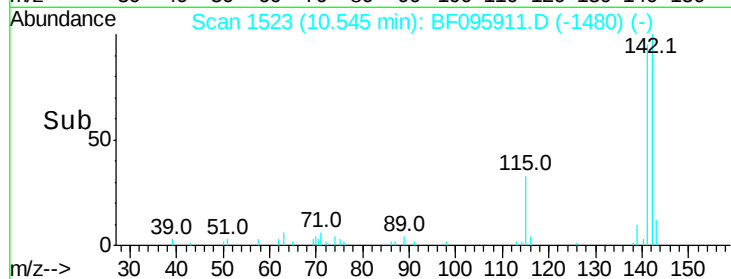
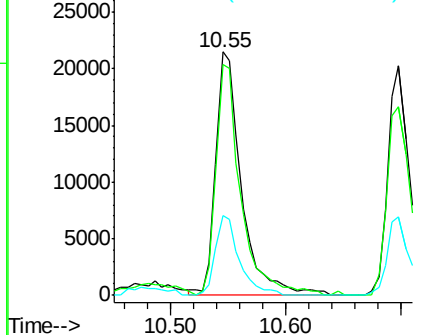


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.20 min Scan# 1804  
Delta R.T. -0.06 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

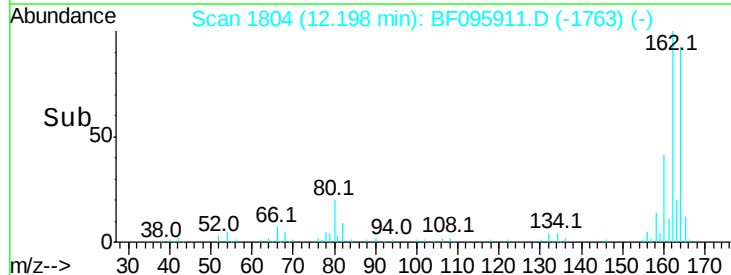
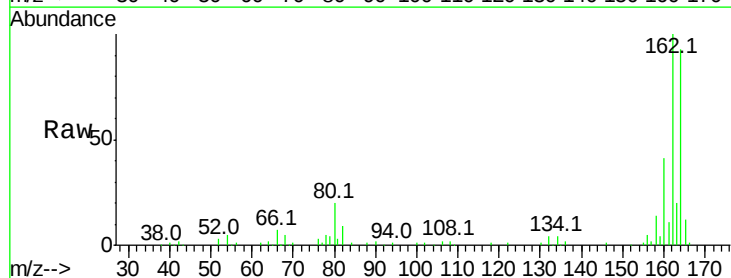
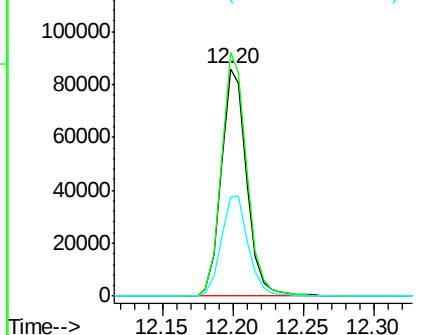
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.0 | 82.6  | 123.8 |
| 160     | 43.8  | 36.2  | 54.2  |

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





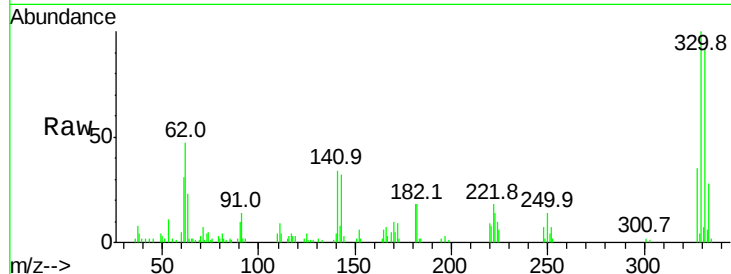
#41  
 2,4,6-Tribromophenol  
 Concen: 48.40 ng  
 RT: 13.50 min Scan# 2026  
 Delta R.T. -0.05 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-061217-B

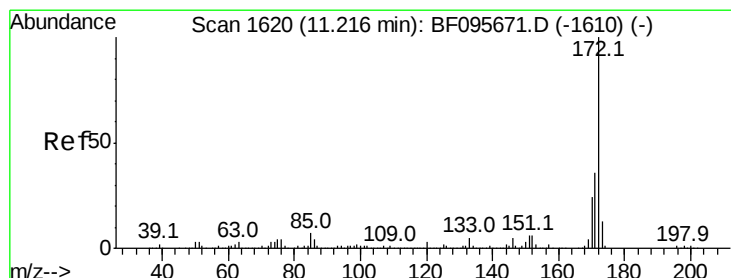
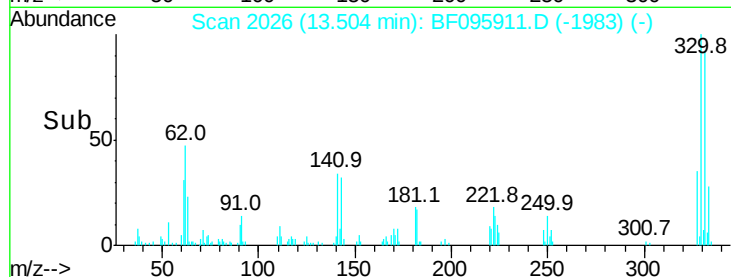
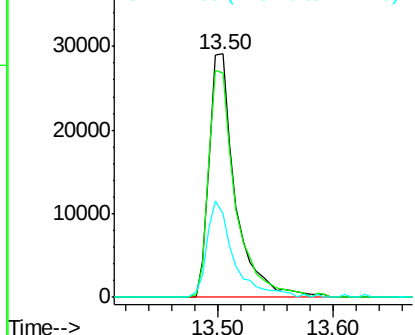
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 76.6  | 115.0 |
| 141     | 40.2  | 31.4  | 47.2  |

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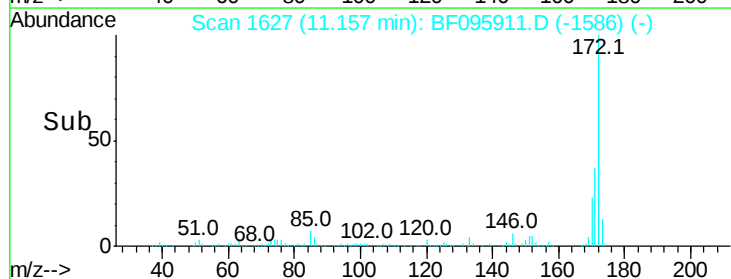
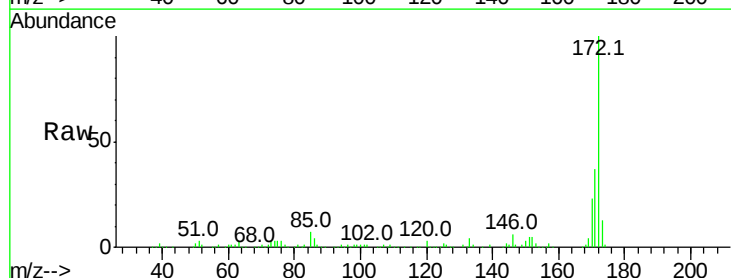
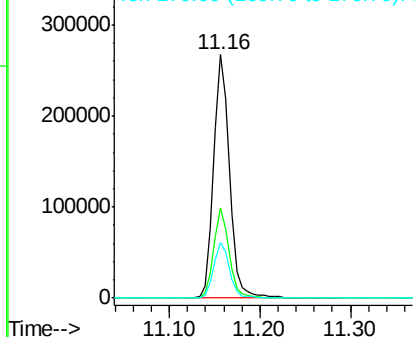
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

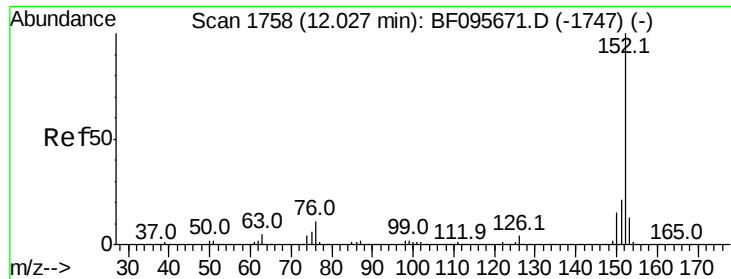


#44  
 2-Fluorobiphenyl  
 Concen: 42.46 ng  
 RT: 11.16 min Scan# 1627  
 Delta R.T. -0.06 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.6  | 44.4  |
| 170     | 22.9  | 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





#48

Acenaphthylene

Concen: 11.66 ng

RT: 11.97 min Scan# 1766

Delta R.T. -0.05 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

Instrument :

BNA\_F

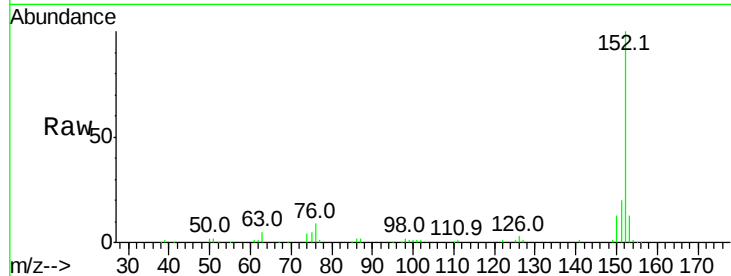
ClientSampleId :

CL-02-061217-B

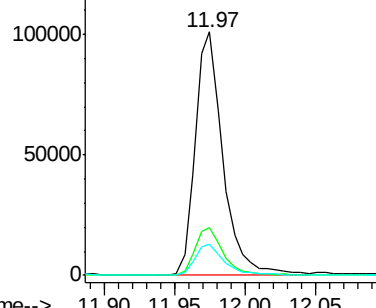
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 137967 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.7  | 16.8  | 25.2   |
| 153       | 12.8  | 10.8  | 16.2   |

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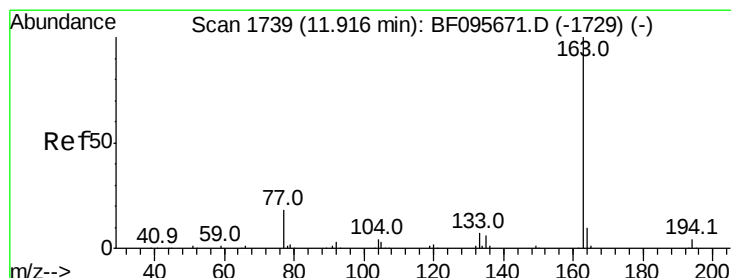
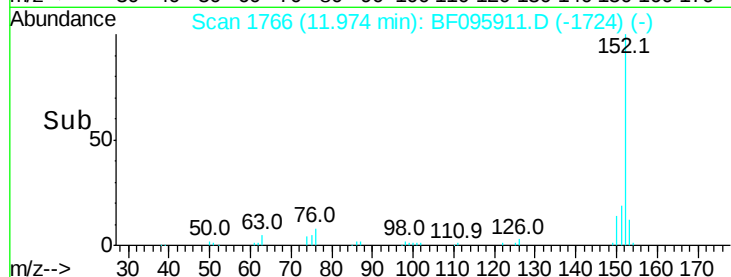
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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



Time--> 11.90 11.95 12.00 12.05



#49

Dimethylphthalate

Concen: 4.57 ng

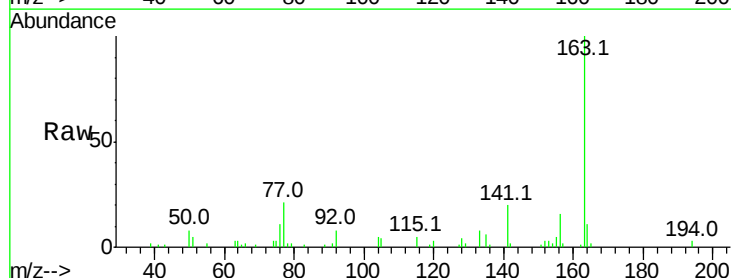
RT: 11.86 min Scan# 1746

Delta R.T. -0.06 min

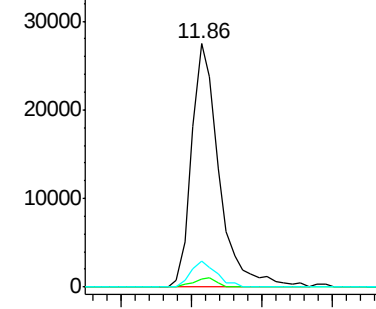
Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

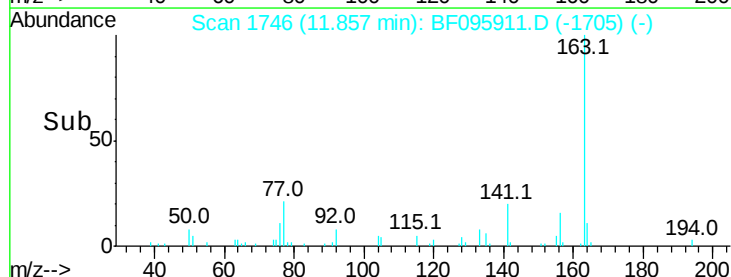
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 37314 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 3.2   | 2.6   | 4.0   |
| 164       | 10.7  | 8.4   | 12.6  |

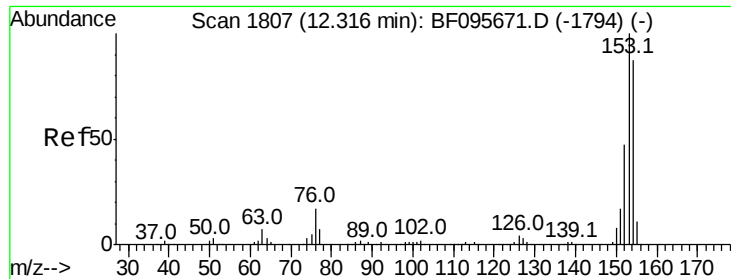


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



Time--> 11.80 11.85 11.90 11.95





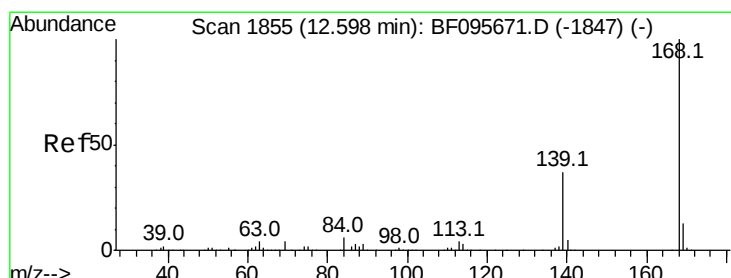
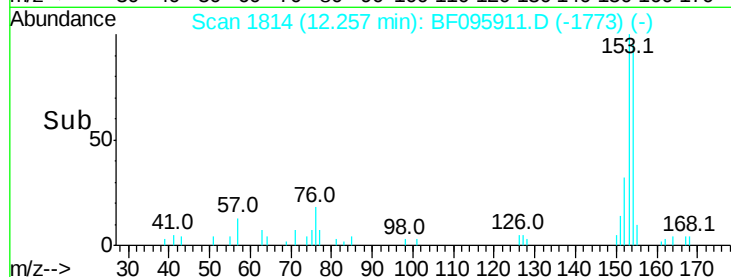
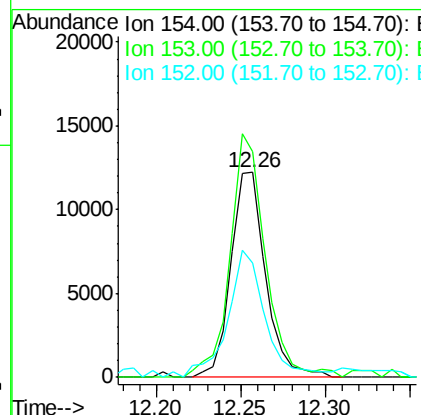
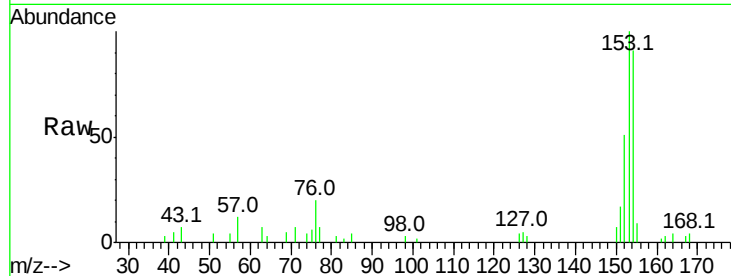
#51  
Acenaphthene  
Concen: 2.57 ng  
RT: 12.26 min Scan# 1814  
Delta R.T. -0.06 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 110.4 | 90.5  | 135.7 |
| 152     | 56.1  | 43.6  | 65.4  |

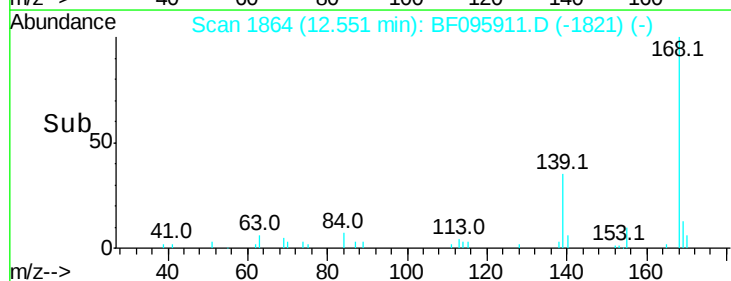
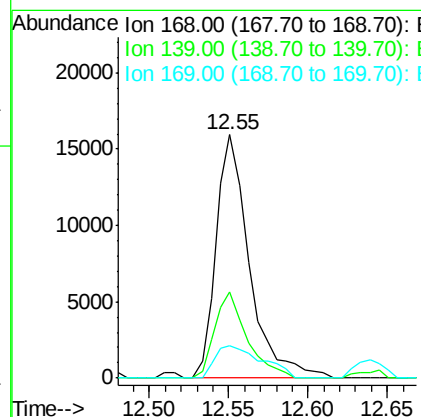
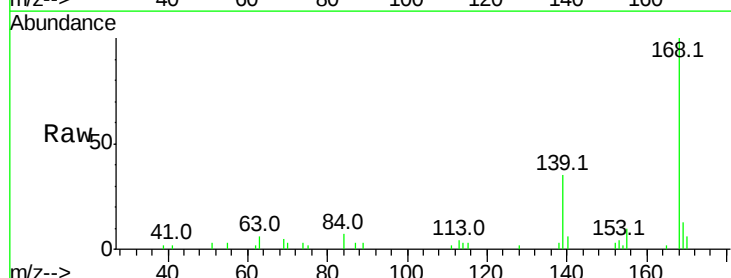
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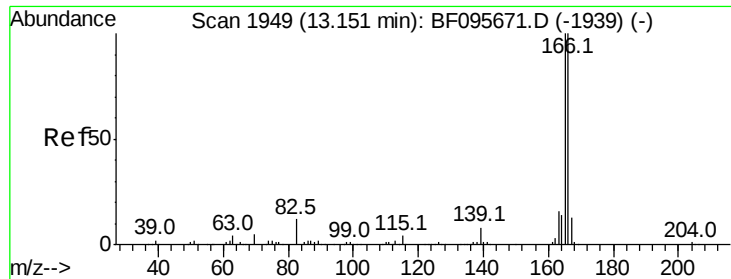
mohammad  
6/14/2017 4:25:09 PM



#54  
Dibenzofuran  
Concen: 2.42 ng  
RT: 12.55 min Scan# 1864  
Delta R.T. -0.05 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 35.2  | 30.6  | 45.8  |
| 169     | 13.2  | 10.8  | 16.2  |





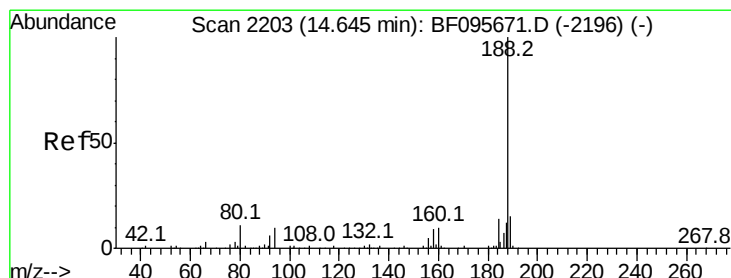
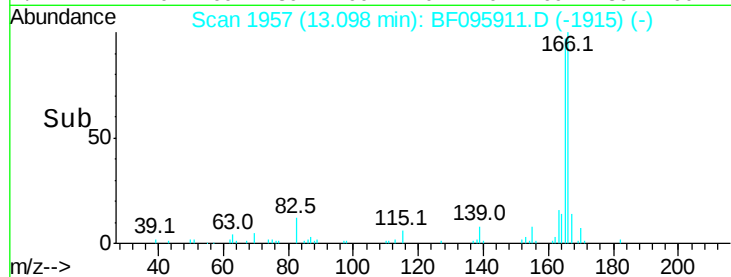
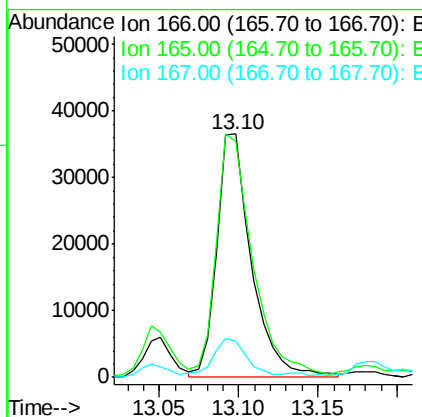
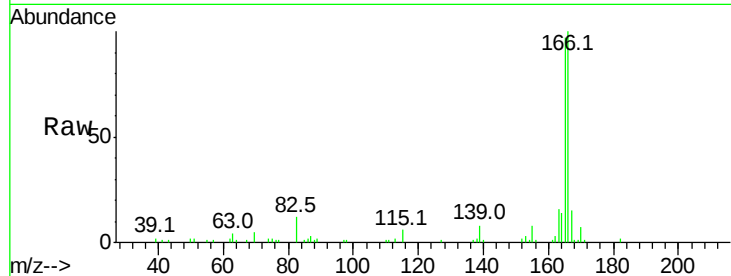
#57  
**Fluorene**  
 Concen: 6.66 ng  
 RT: 13.10 min Scan# 1957  
 Delta R.T. -0.05 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.1  | 78.8  | 118.2 |
| 167     | 14.8  | 10.6  | 16.0  |

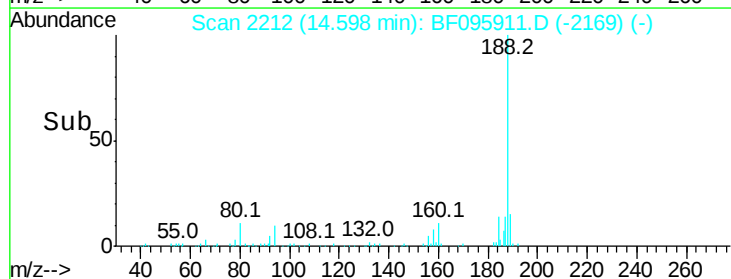
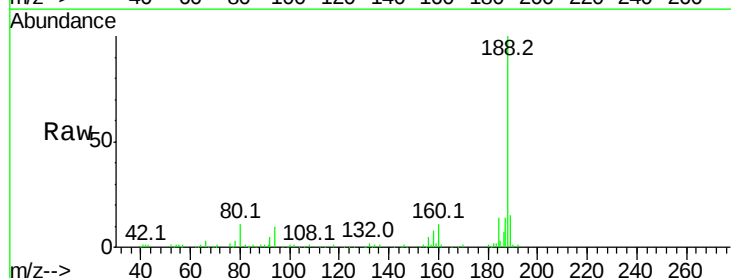
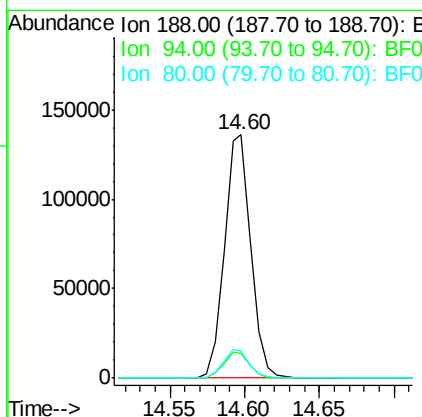
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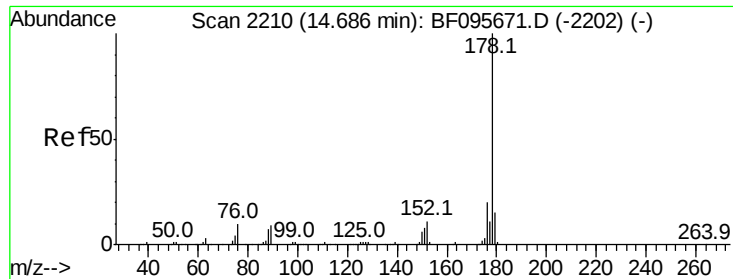
mohammad  
 6/14/2017 4:25:09 PM



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 14.60 min Scan# 2212  
 Delta R.T. -0.05 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 9.4   | 14.2  |
| 80      | 11.0  | 10.2  | 15.2  |





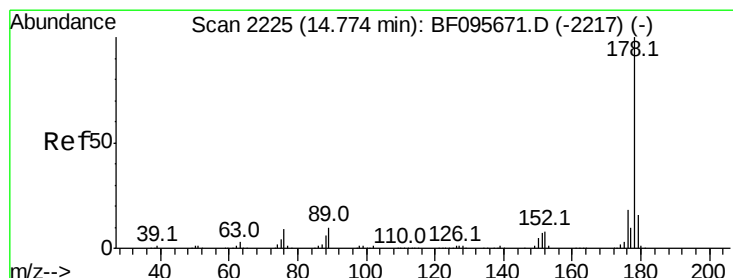
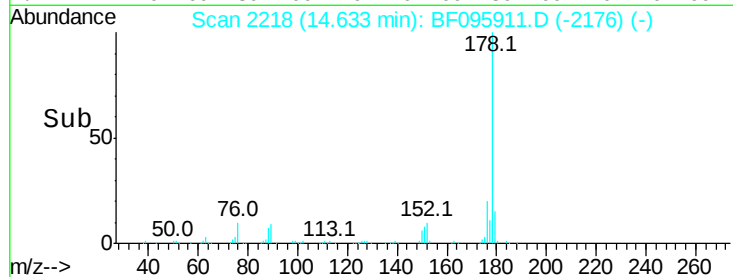
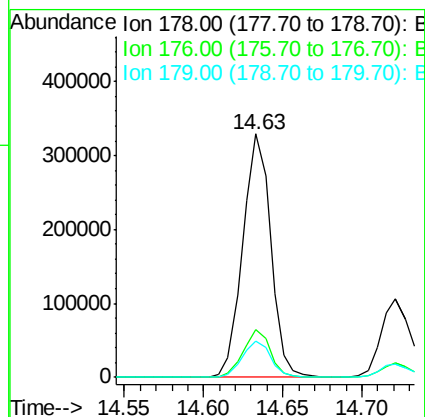
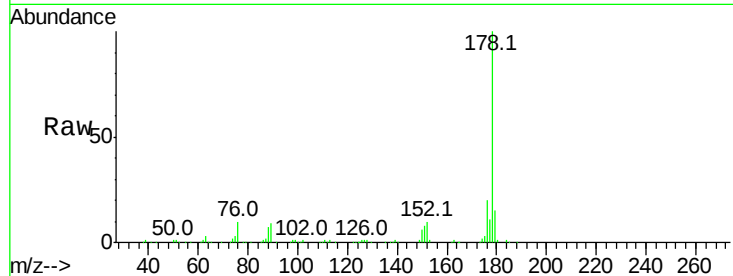
#70  
Phenanthrene  
Concen: 41.77 ng  
RT: 14.63 min Scan# 2218  
Delta R.T. -0.05 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 16.2  | 24.4  |
| 179     | 15.1  | 12.6  | 19.0  |

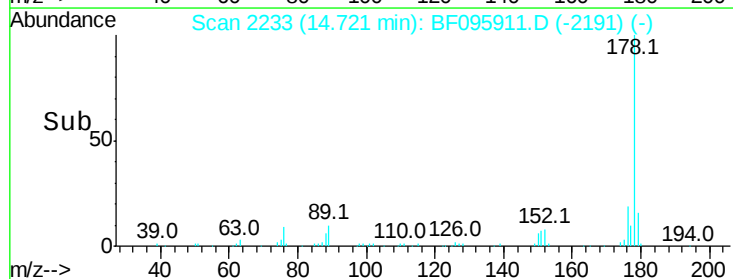
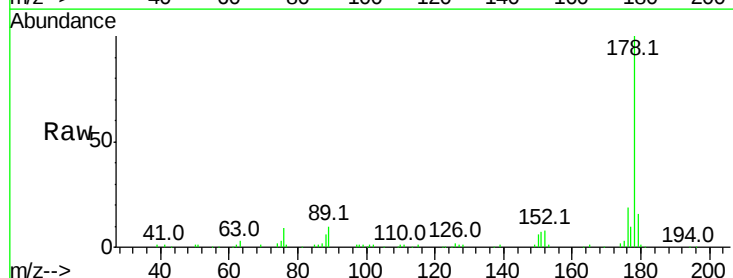
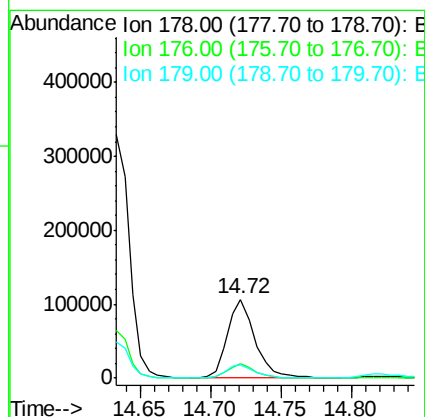
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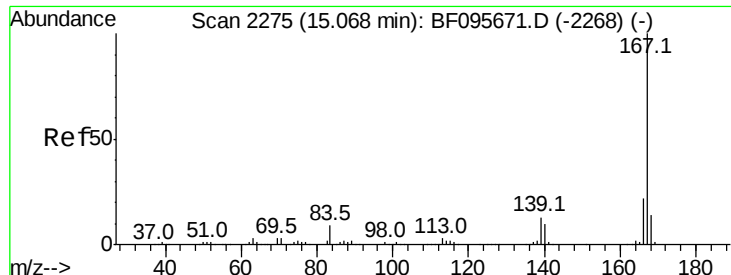
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#71  
Anthracene  
Concen: 14.14 ng  
RT: 14.72 min Scan# 2233  
Delta R.T. -0.05 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.5  | 15.8  | 23.8  |
| 179     | 16.1  | 12.7  | 19.1  |





#72

Carbazole

Concen: 2.80 ng

RT: 15.03 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

Instrument :

BNA\_F

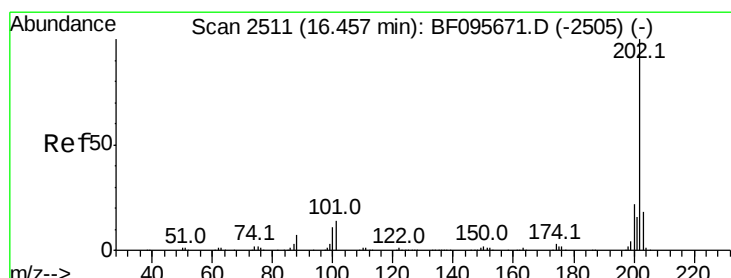
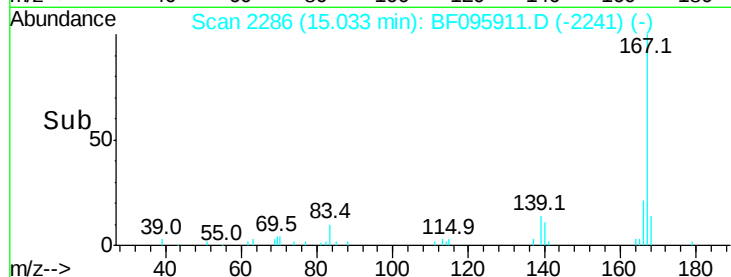
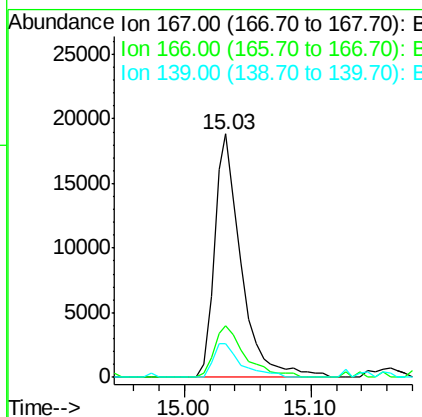
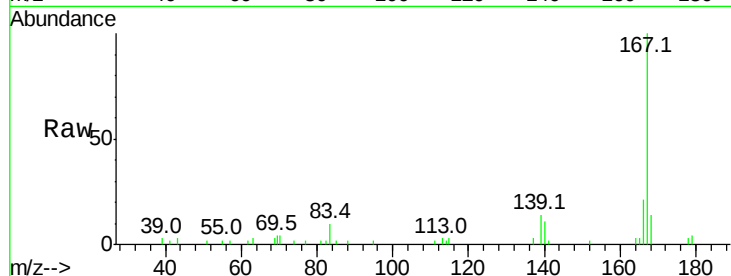
ClientSampleId :

CL-02-061217-B

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 167   | Resp: | 27597 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 21.4  | 18.1  | 27.1  |
| 139       | 13.7  | 11.7  | 17.5  |

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#74

Fluoranthene

Concen: 92.40 ng

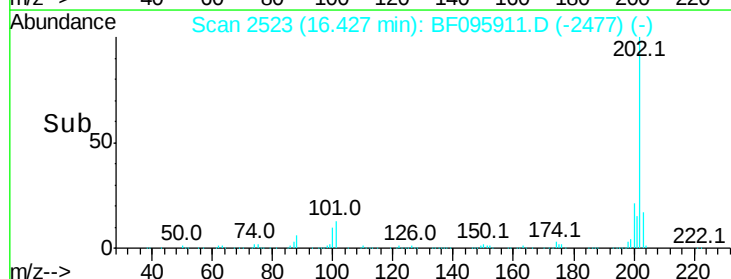
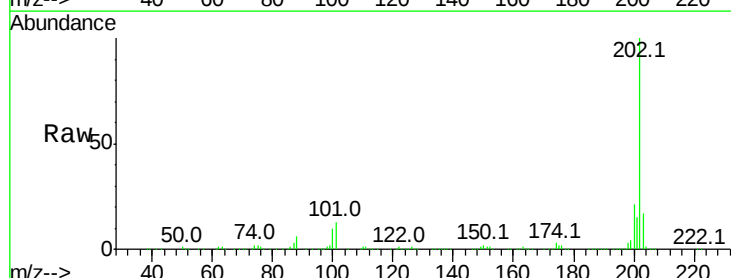
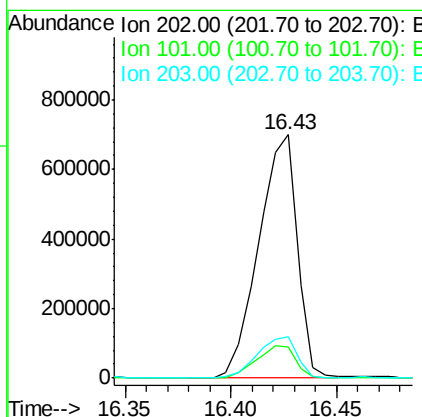
RT: 16.43 min Scan# 2523

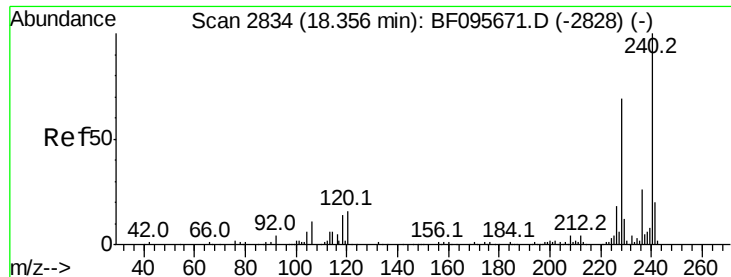
Delta R.T. -0.03 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 886970 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.8  | 0.0   | 33.2   |
| 203       | 17.2  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.03 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

Instrument :

BNA\_F

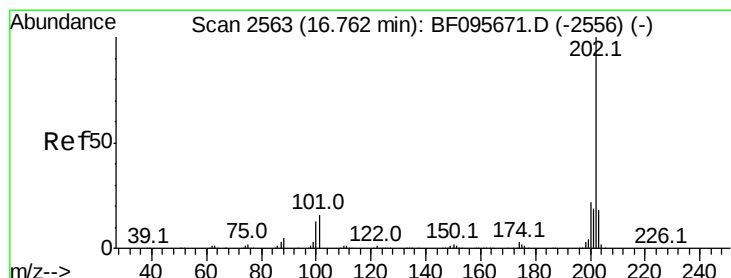
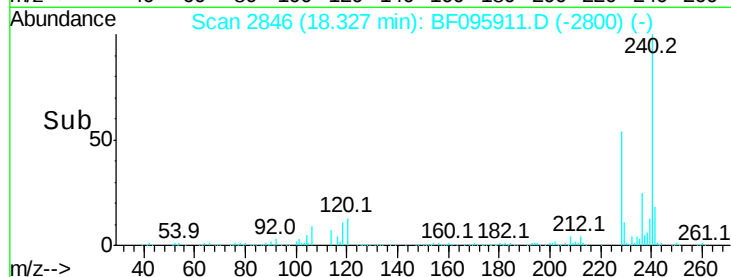
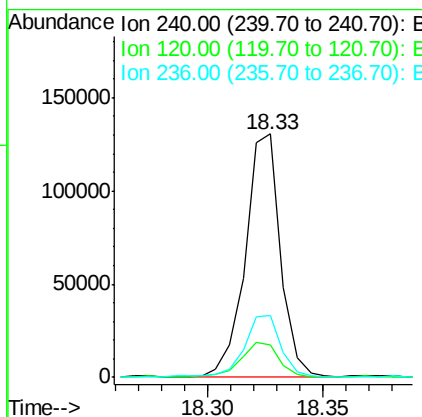
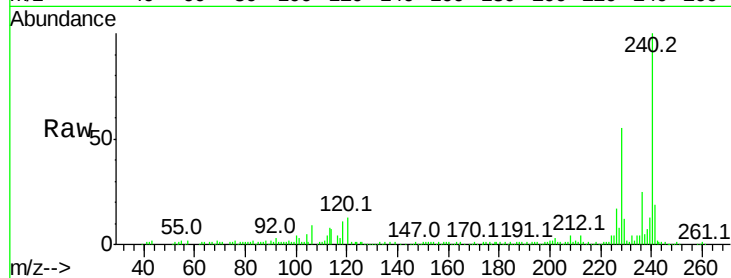
ClientSampleId :

CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.5  | 5.8   | 8.8#  |
| 236     | 25.3  | 20.5  | 30.7  |

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#77

Pyrene

Concen: 87.65 ng

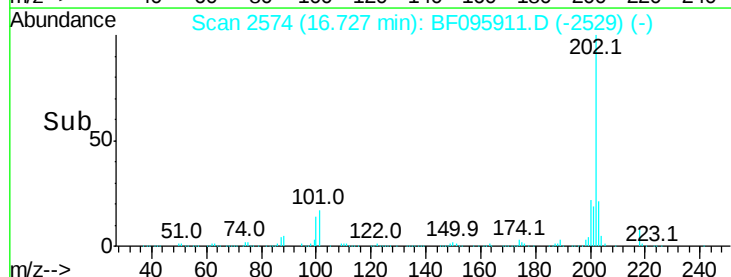
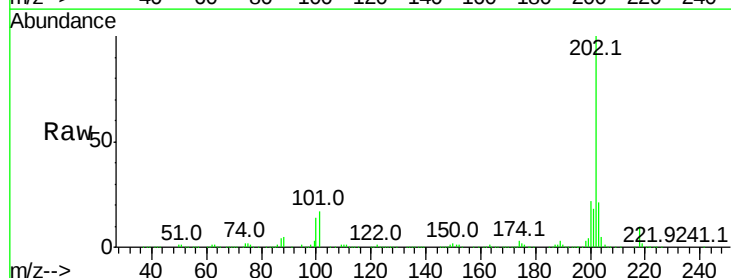
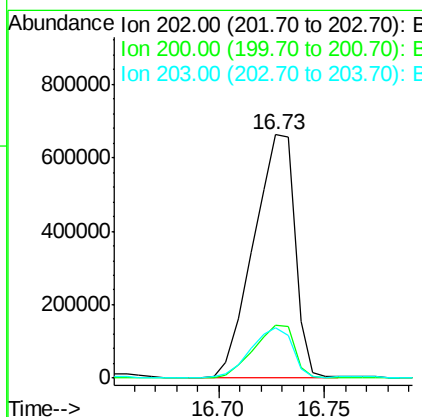
RT: 16.73 min Scan# 2574

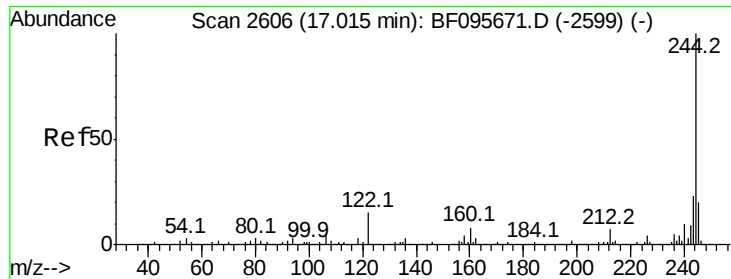
Delta R.T. -0.04 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.7  | 17.6  | 26.4  |
| 203     | 20.9  | 14.4  | 21.6  |





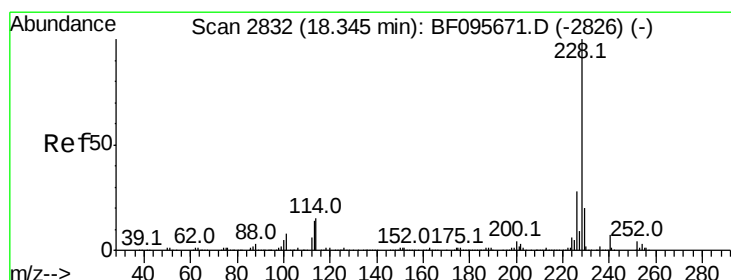
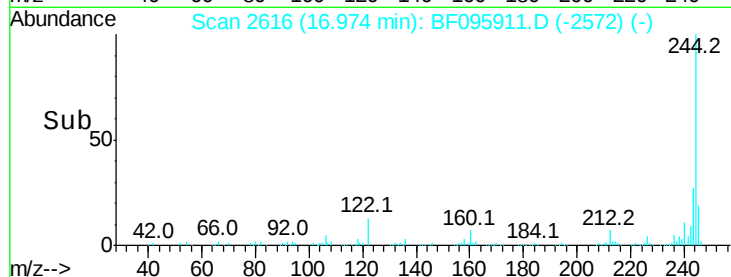
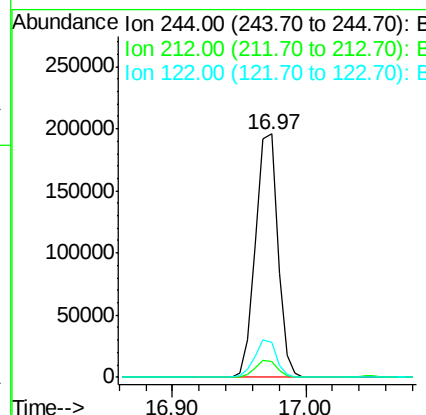
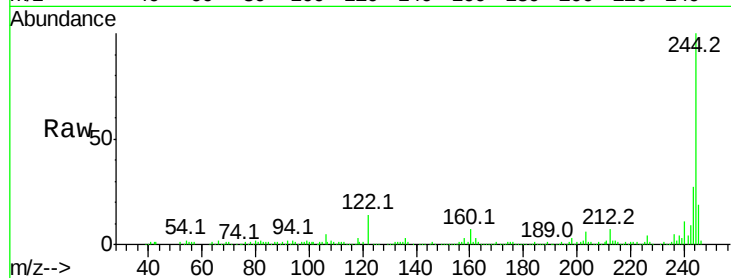
#78  
 Terphenyl-d14  
 Concen: 40.47 ng  
 RT: 16.97 min Scan# 2616  
 Delta R.T. -0.04 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 6.0   | 9.0   |
| 122     | 14.1  | 10.3  | 15.5  |

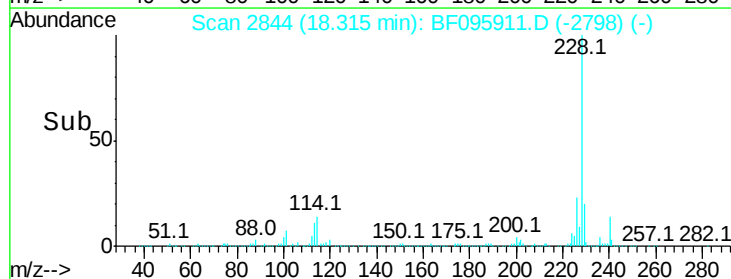
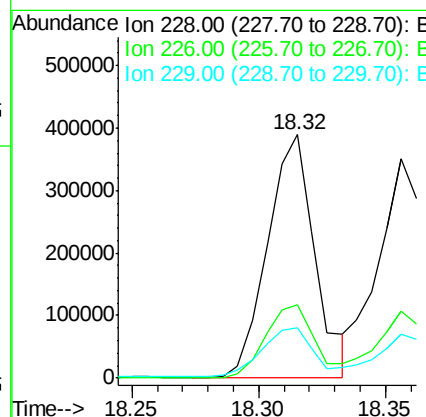
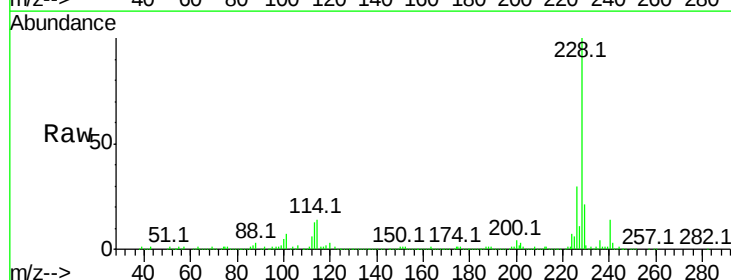
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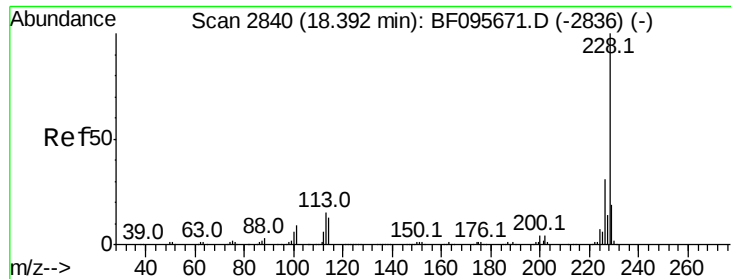
mohammad  
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#80  
 Benzo(a)anthracene  
 Concen: 63.15 ng  
 RT: 18.32 min Scan# 2844  
 Delta R.T. -0.03 min  
 Lab File: BF095911.D  
 Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 22.6  | 33.8  |
| 229     | 20.5  | 16.3  | 24.5  |





#82

Chrysene

Concen: 53.49 ng

RT: 18.36 min Scan# 2851

Delta R.T. -0.04 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

Instrument :

BNA\_F

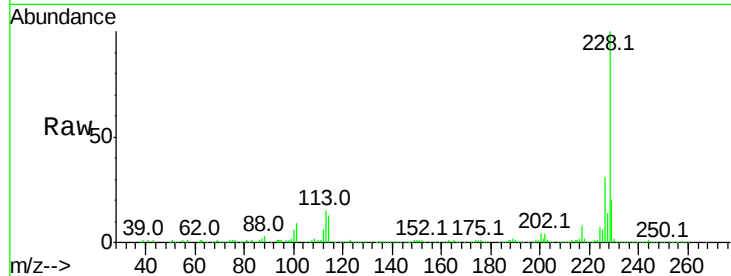
ClientSampleId :

CL-02-061217-B

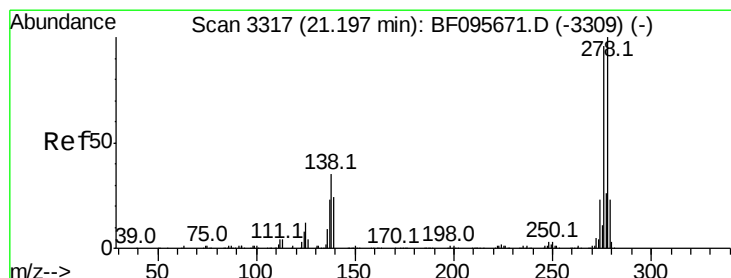
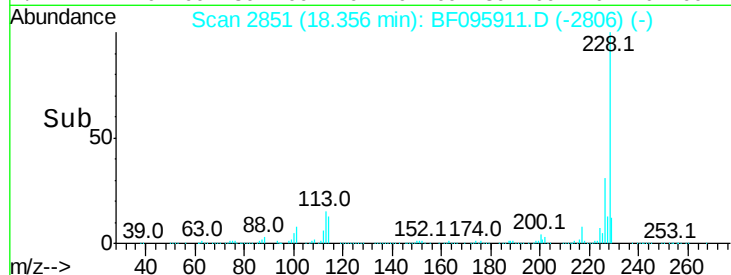
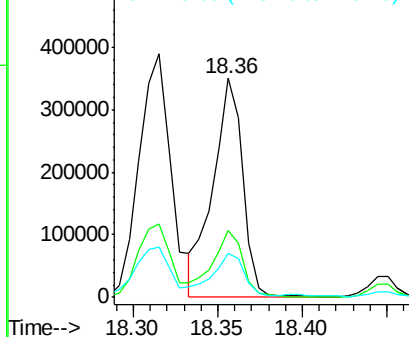
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.9  | 37.3  |
| 229     | 20.3  | 15.8  | 23.6  |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 30.71 ng

RT: 21.17 min Scan# 3329

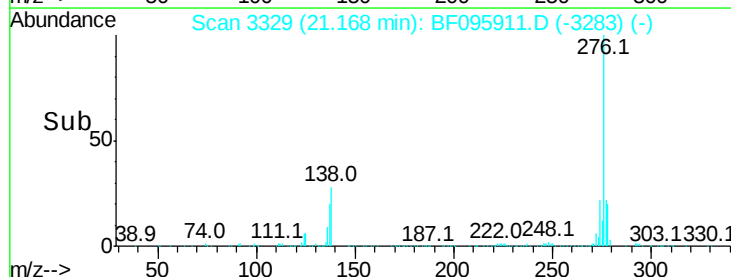
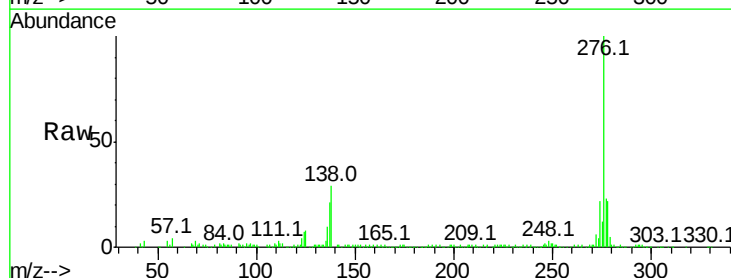
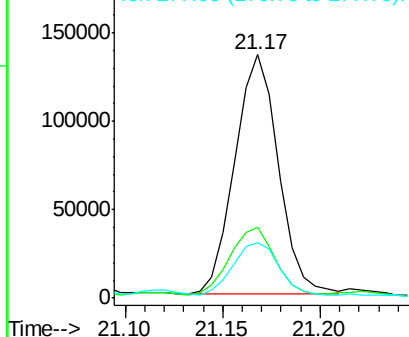
Delta R.T. -0.03 min

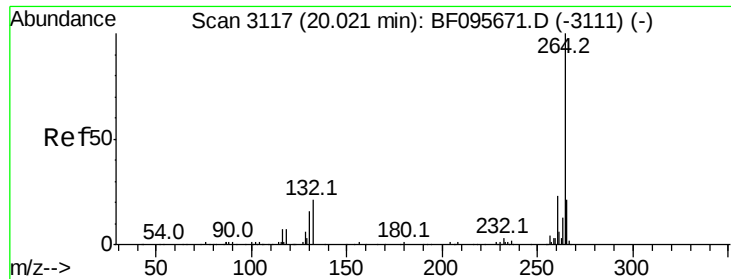
Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.0  | 27.8  | 41.6  |
| 277     | 23.0  | 20.2  | 30.4  |

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





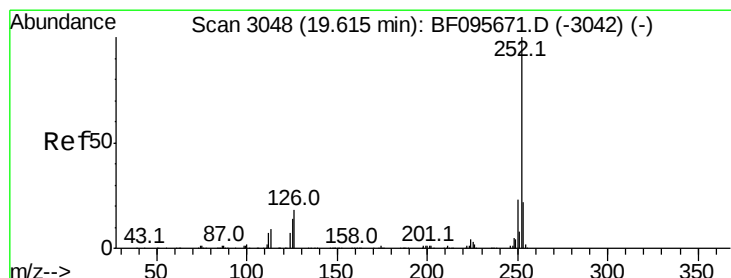
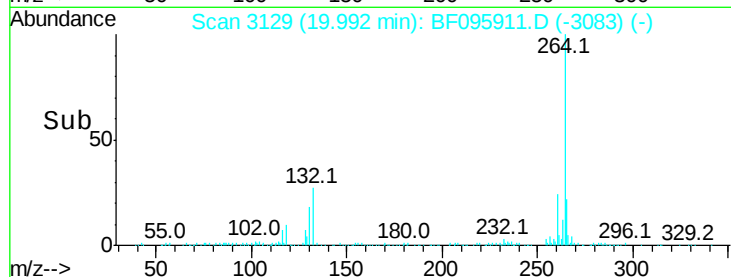
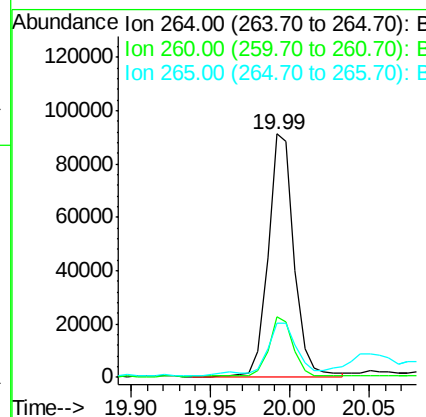
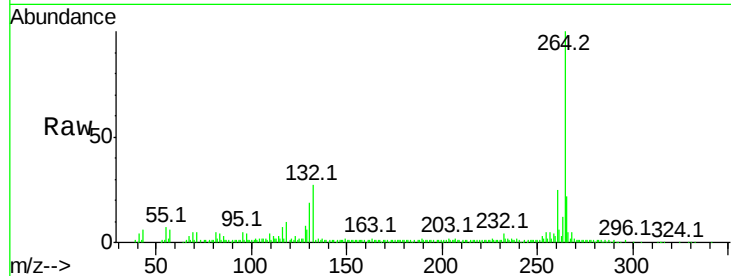
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 19.99 min Scan# 3129  
Delta R.T. -0.03 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.5  | 29.3  |
| 265     | 22.3  | 17.2  | 25.8  |

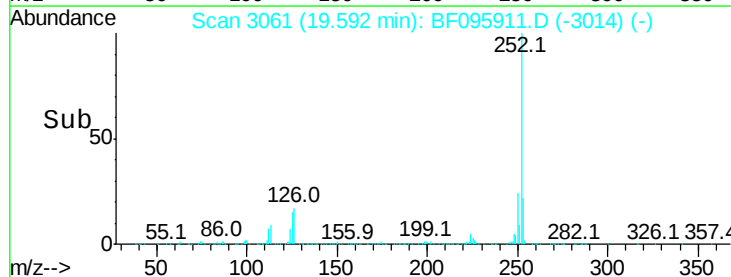
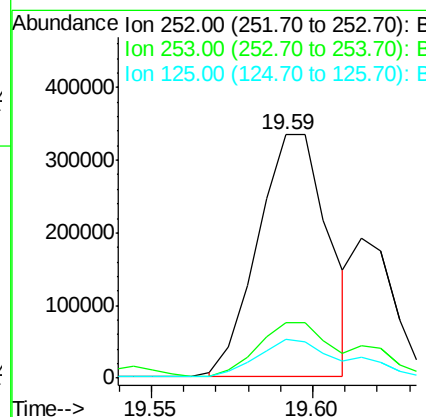
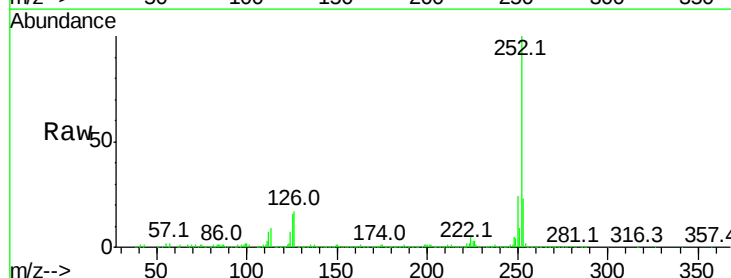
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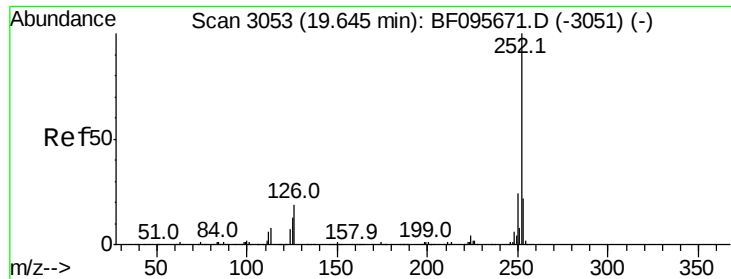
mohammad  
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#87  
Benzo(b)fluoranthene  
Concen: 76.92 ng m  
RT: 19.59 min Scan# 3061  
Delta R.T. -0.02 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.1  | 27.1  |
| 125     | 15.9  | 9.8   | 14.8  |





#88

Benzo(k)fluoranthene

Concen: 26.35 ng m

RT: 19.62 min Scan# 3065

Delta R.T. -0.03 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

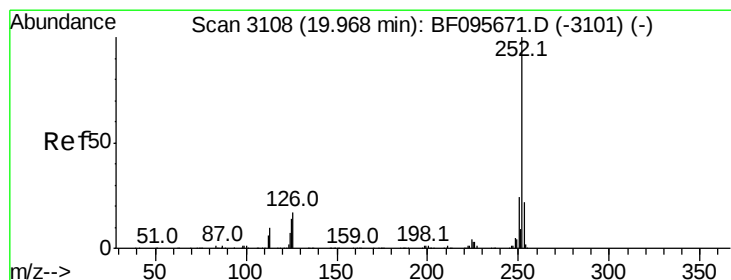
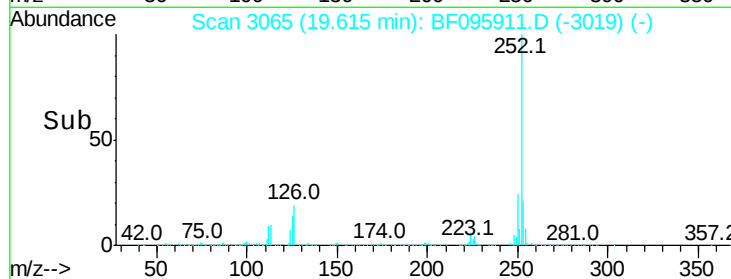
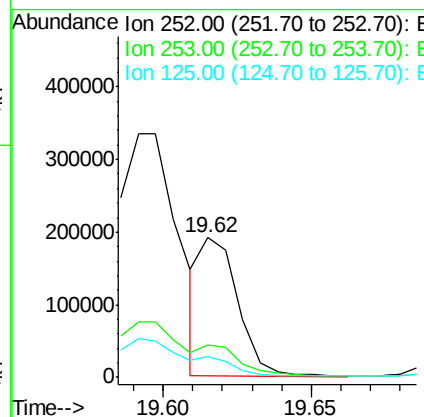
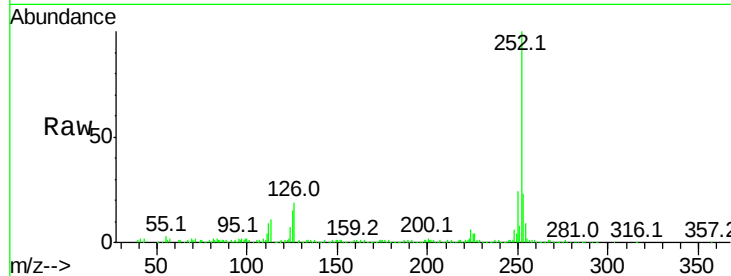
Instrument :  
BNA\_F

ClientSampleId :  
CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.4  | 27.6  |
| 125     | 14.9  | 13.1  | 19.7  |

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#89

Benzo(a)pyrene

Concen: 57.79 ng

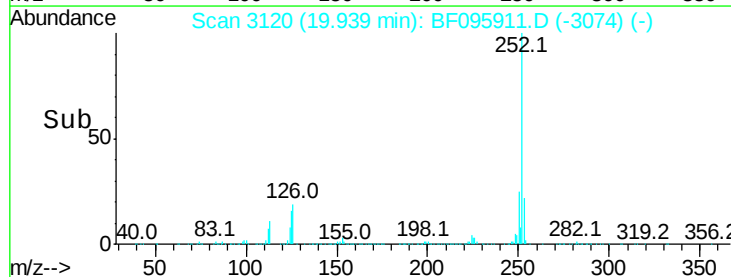
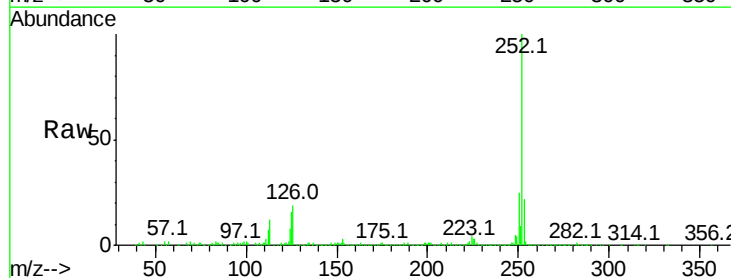
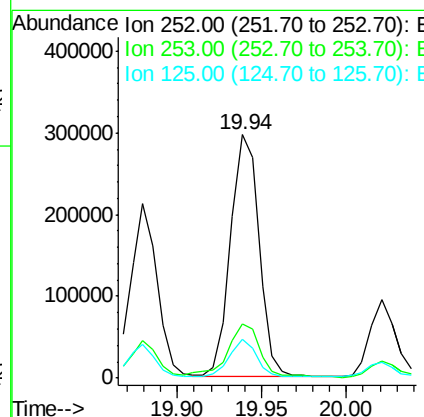
RT: 19.94 min Scan# 3120

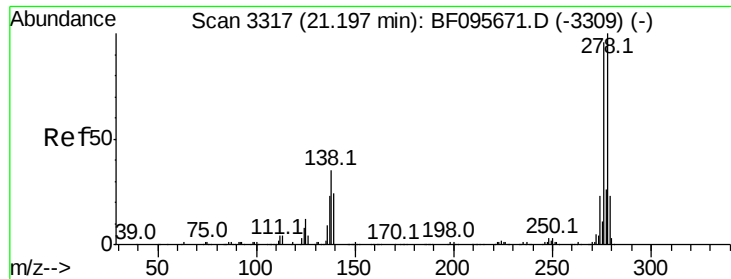
Delta R.T. -0.03 min

Lab File: BF095911.D

Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.5  | 26.3  |
| 125     | 16.1  | 11.0  | 16.4  |





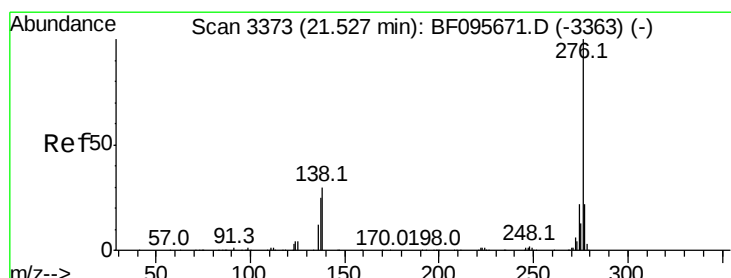
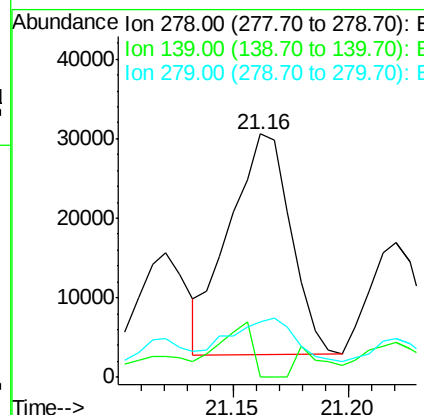
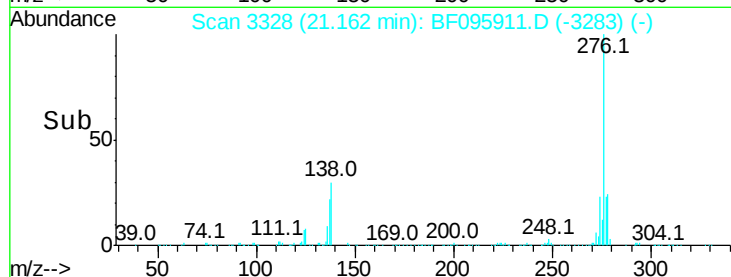
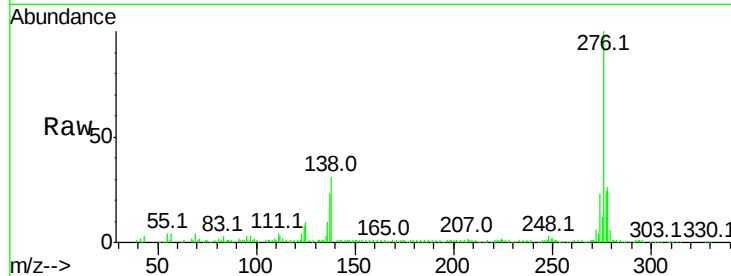
#90  
Dibenzo(a,h)anthracene  
Concen: 10.01 ng  
RT: 21.16 min Scan# 3328  
Delta R.T. -0.04 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061217-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 16.6  | 24.8# |
| 279     | 23.0  | 19.3  | 28.9  |

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#91  
Benzo(g,h,i)perylene  
Concen: 39.57 ng  
RT: 21.50 min Scan# 3385  
Delta R.T. -0.03 min  
Lab File: BF095911.D  
Acq: 14 Jun 2017 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 18.6  | 28.0  |
| 138     | 30.0  | 25.4  | 38.0  |

