

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020816\  
 Data File : BF084940.D  
 Acq On : 8 Feb 2016 20:38  
 Operator : SJ/IZ  
 Sample : H1320-01 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B017(5-7)

Manual Integrations  
 APPROVED

UMANGI  
 2/9/2016 12:57:09 PM

Quant Time: Feb 09 03:39:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 251058   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 7.94  | 136  | 1061042  | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.69  | 164  | 459868   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.16 | 188  | 682041   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 13.79 | 240  | 434201   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12            | 15.16 | 264  | 416984   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 407125   | 25.26 | ng    | -0.05    |
| 7) Phenol-d6                | 6.29  | 99   | 499800   | 25.01 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 340744   | 18.09 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 101809   | 21.22 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.01  | 172  | 507247   | 13.71 | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.75 | 244  | 342006   | 17.85 | ng    | -0.05    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.41  | 163  | 82713    | 2.36  | ng    | # 90     |
| 51) Acenaphthene            | 9.72  | 154  | 60320    | 2.02  | ng    | 93       |
| 54) Dibenzofuran            | 9.89  | 168  | 75357    | 2.06  | ng    | 93       |
| 57) Fluorene                | 10.22 | 166  | 74154    | 2.43  | ng    | # 98     |
| 70) Phenanthrene            | 11.18 | 178  | 922281   | 24.38 | ng    | 98       |
| 71) Anthracene              | 11.24 | 178  | 219443   | 5.76  | ng    | 98       |
| 72) Carbazole               | 11.40 | 167  | 70275    | 2.11  | ng    | 96       |
| 74) Fluoranthene            | 12.37 | 202  | 1067214  | 27.87 | ng    | 97       |
| 77) Pyrene                  | 12.60 | 202  | 987713   | 29.71 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.78 | 228  | 419117   | 15.55 | ng    | 97       |
| 82) Chrysene                | 13.81 | 228  | 281319m  | 10.77 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.43 | 276  | 169552   | 8.24  | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 14.79 | 252  | 358076m  | 12.78 | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.80 | 252  | 165956m  | 7.16  | ng    |          |
| 89) Benzo(a)pyrene          | 15.11 | 252  | 299936   | 12.56 | ng    | # 96     |
| 91) Benzo(g,h,i)perylene    | 16.81 | 276  | 172234   | 8.51  | ng    | 96       |

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

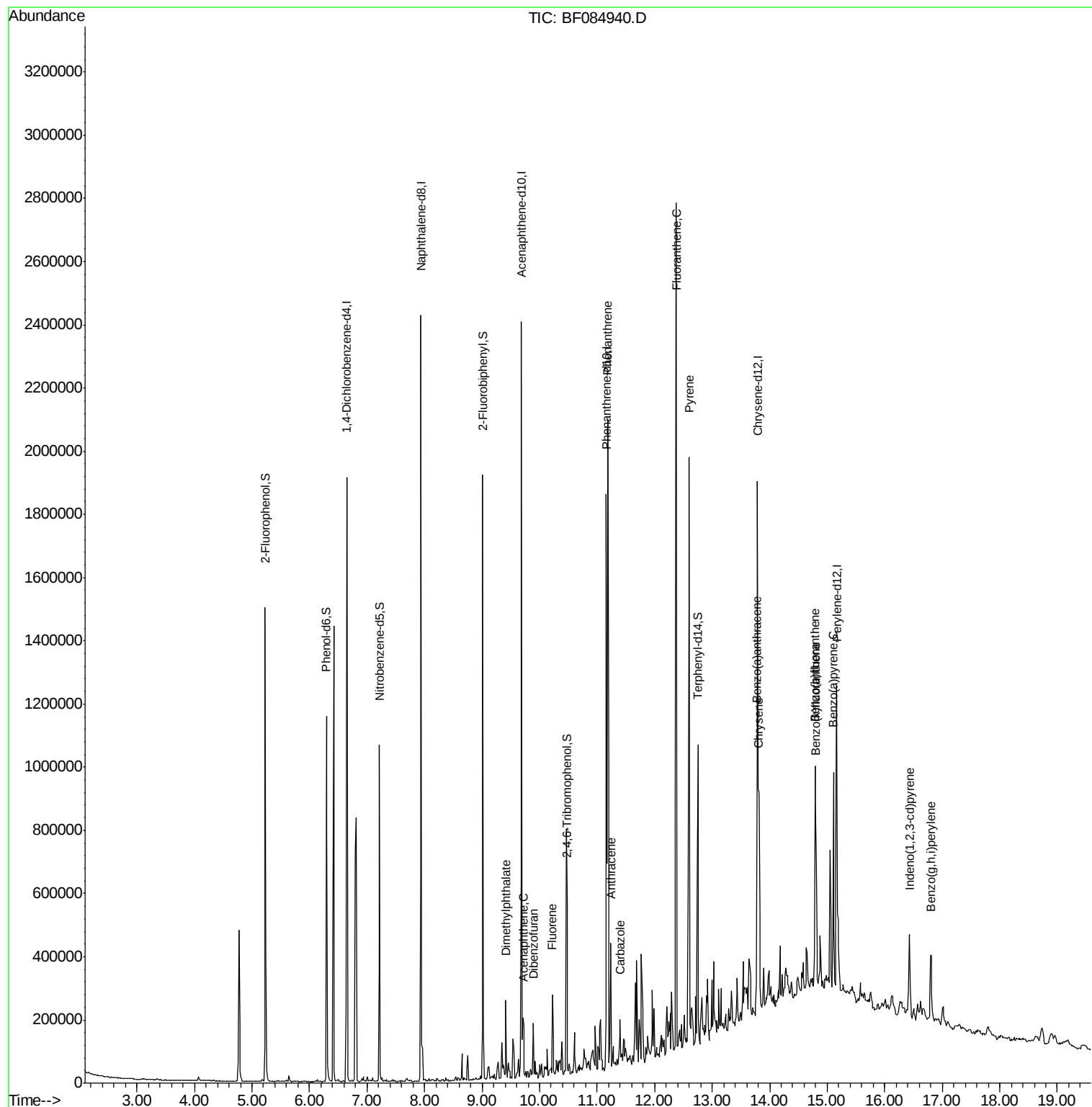
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020816\  
Data File : BF084940.D  
Acq On : 8 Feb 2016 20:38  
Operator : SJ/IZ  
Sample : H1320-01 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B017(5-7)

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM

Quant Time: Feb 09 03:39:26 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 03 14:16:01 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

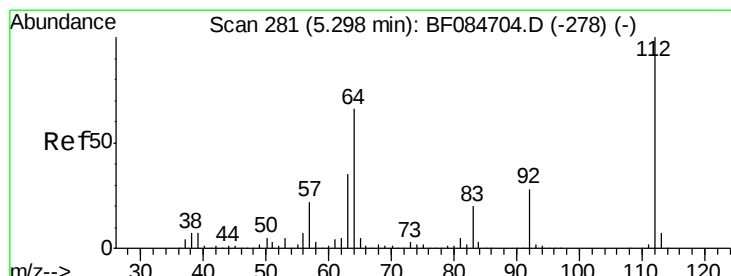
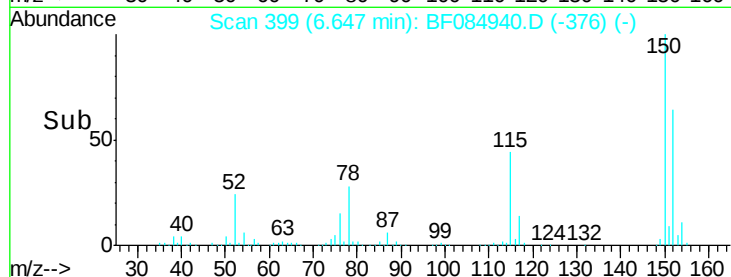
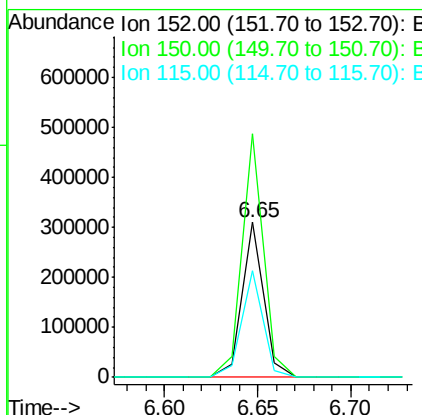
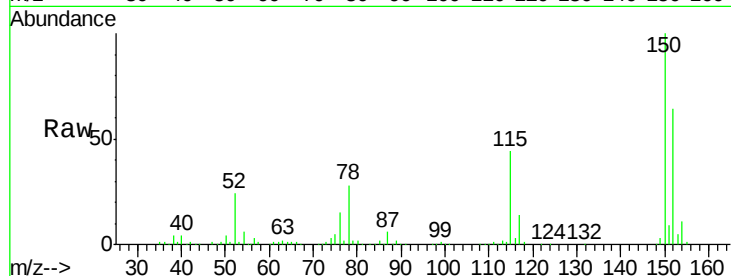
ClientSampleId :

S4-B017(5-7)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 251058 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 157.4 | 123.0 | 184.4  |
| 115       | 69.1  | 51.4  | 77.2   |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



#5

2-Fluorophenol

Concen: 25.26 ng

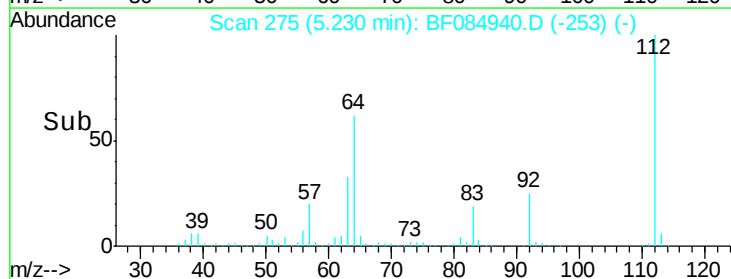
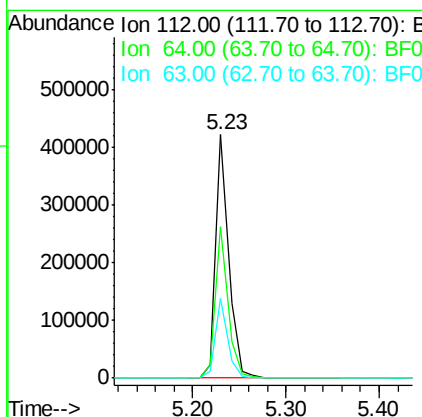
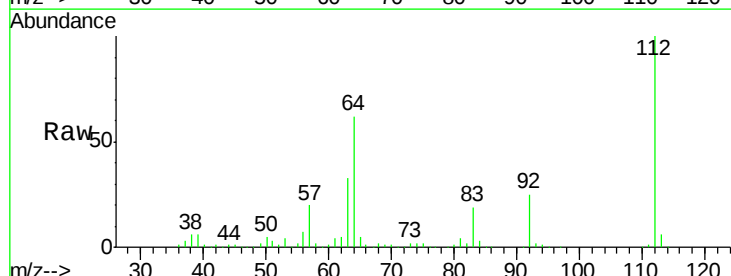
RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 407125 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 62.0  | 36.6  | 55.0#  |
| 63        | 32.5  | 19.4  | 29.0#  |





#7

Phenol-d6

Concen: 25.01 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

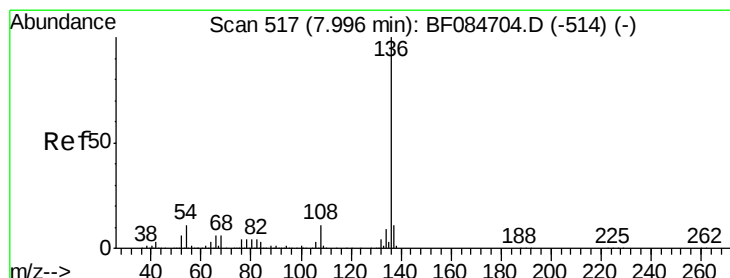
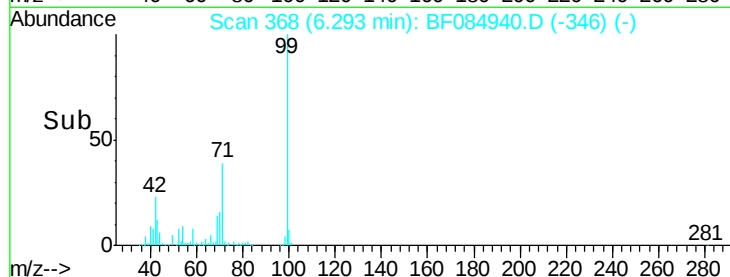
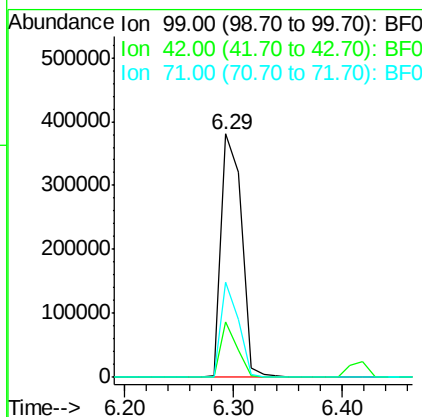
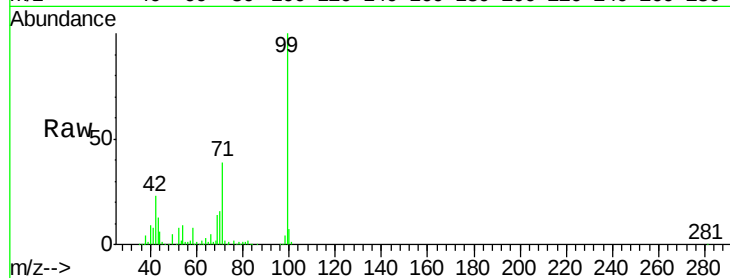
ClientSampleId :

S4-B017(5-7)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 499800 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 23.0  | 12.8  | 19.2#  |
| 71        | 39.1  | 30.9  | 46.3   |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



#21

Naphthalene-d8

Concen: 20.00 ng

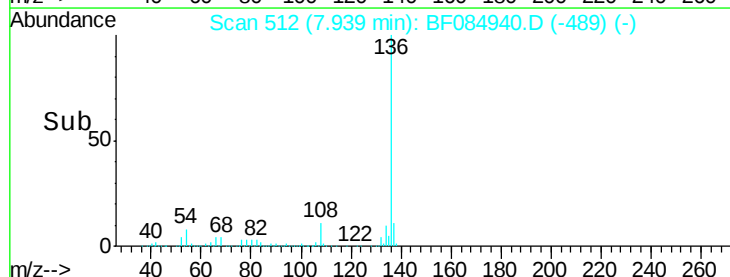
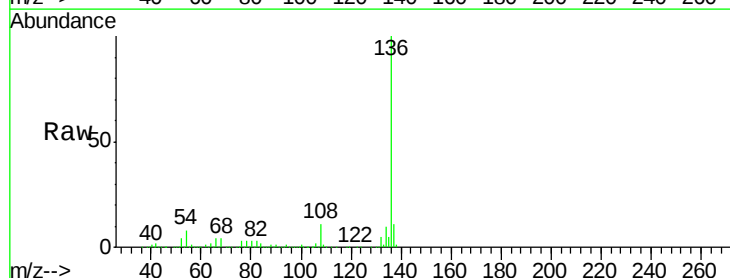
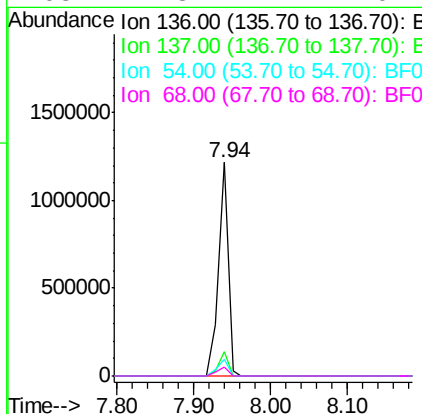
RT: 7.94 min Scan# 512

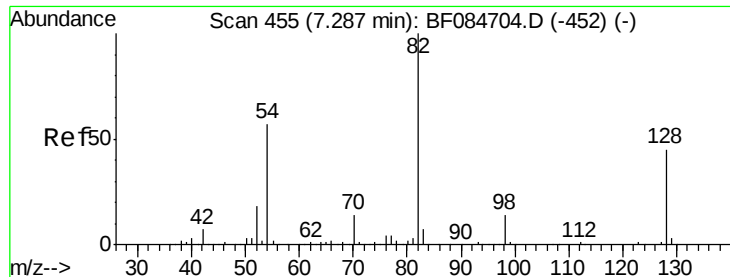
Delta R.T. -0.03 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 136   | Resp: | 1061042 |
| Ion Ratio | Lower | Upper |         |
| 136       | 100   |       |         |
| 137       | 11.4  | 8.7   | 13.1    |
| 54        | 7.7   | 5.8   | 8.8     |
| 68        | 4.3   | 4.2   | 6.2     |





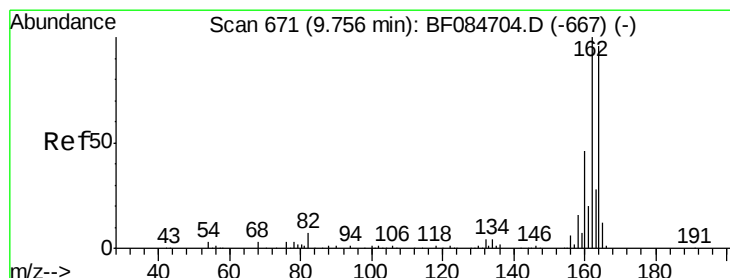
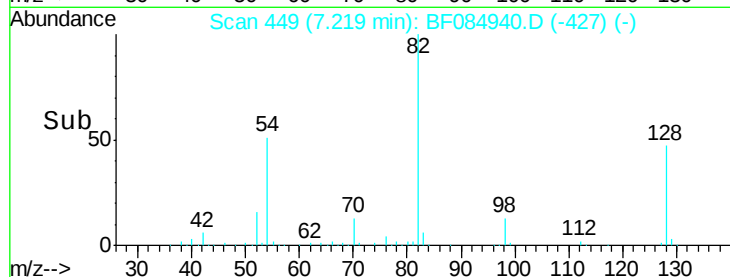
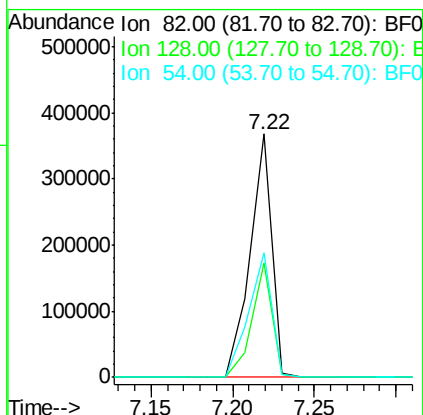
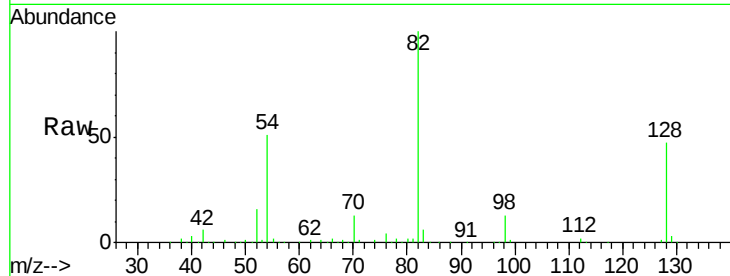
#23  
 Nitrobenzene-d5  
 Concen: 18.09 ng  
 RT: 7.22 min Scan# 449  
 Delta R.T. -0.05 min  
 Lab File: BF084940.D  
 Acq: 8 Feb 2016 20:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B017(5-7)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.8  | 34.6  | 51.8  |
| 54      | 51.3  | 38.4  | 57.6  |

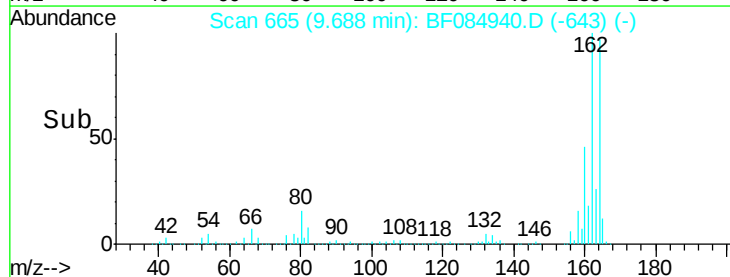
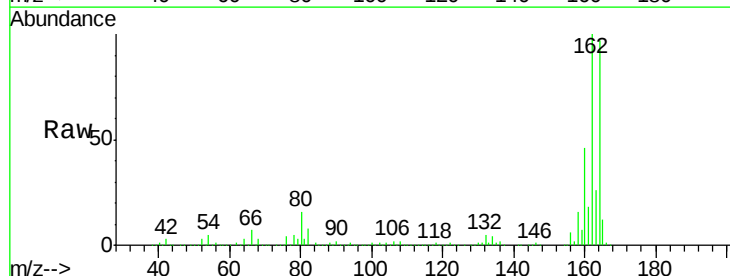
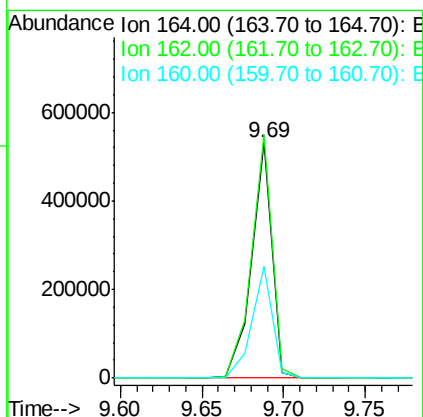
Manual Integrations  
 APPROVED

UMANGI  
 2/9/2016 12:57:09 PM



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.69 min Scan# 665  
 Delta R.T. -0.05 min  
 Lab File: BF084940.D  
 Acq: 8 Feb 2016 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.4 | 85.1  | 127.7 |
| 160     | 47.5  | 37.5  | 56.3  |





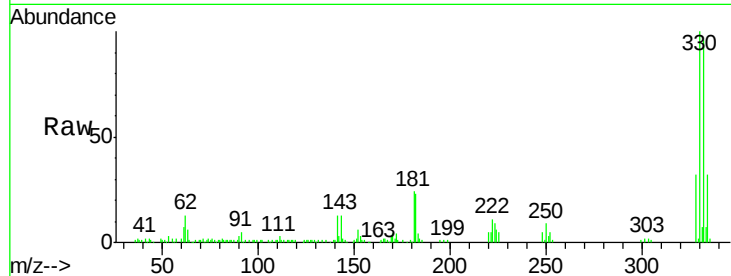
#41  
 2,4,6-Tribromophenol  
 Concen: 21.22 ng  
 RT: 10.48 min Scan# 734  
 Delta R.T. -0.05 min  
 Lab File: BF084940.D  
 Acq: 8 Feb 2016 20:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B017(5-7)

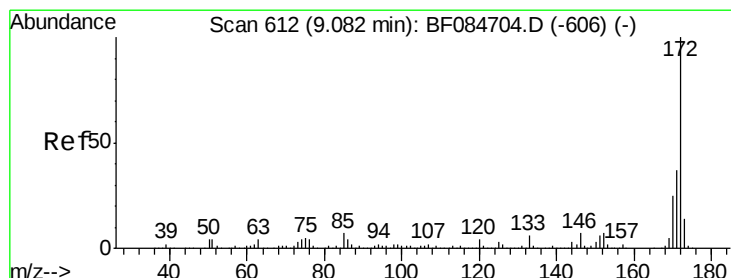
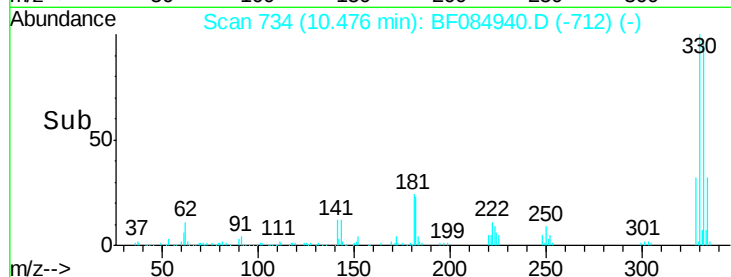
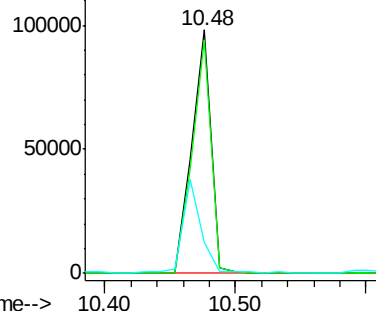
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 101809 |       |       |
| 332     | 93.9  | 76.6   | 114.8 |       |
| 141     | 38.8  | 27.8   | 41.6  |       |

Manual Integrations  
 APPROVED

UMANGI  
 2/9/2016 12:57:09 PM

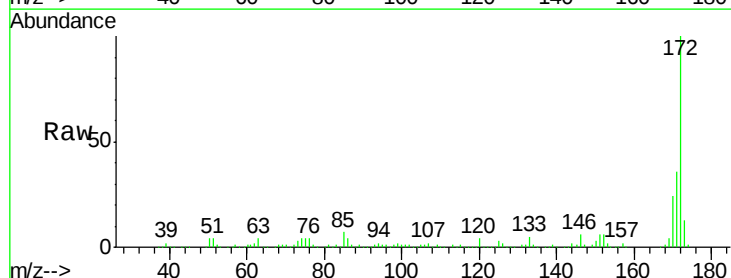


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

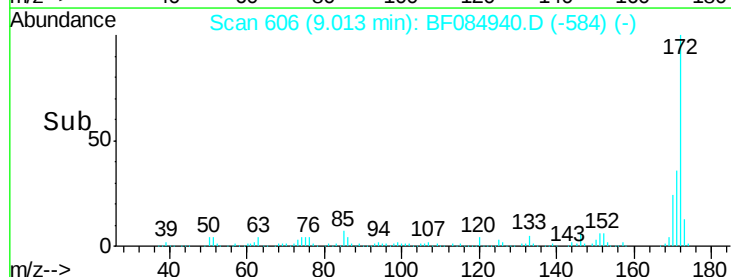
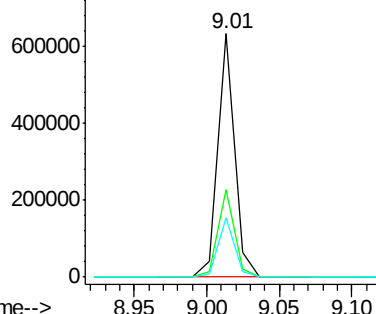


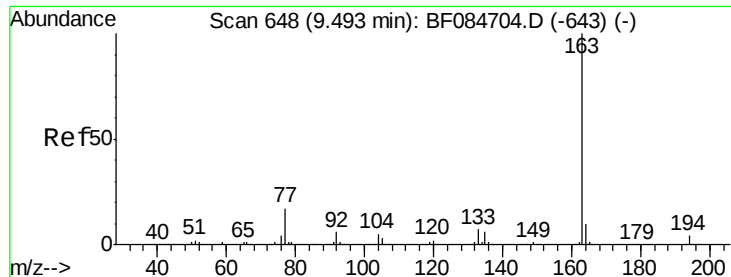
#44  
 2-Fluorobiphenyl  
 Concen: 13.71 ng  
 RT: 9.01 min Scan# 606  
 Delta R.T. -0.05 min  
 Lab File: BF084940.D  
 Acq: 8 Feb 2016 20:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 507247 |       |       |
| 171     | 35.9  | 28.9   | 43.3  |       |
| 170     | 24.3  | 18.6   | 27.8  |       |



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





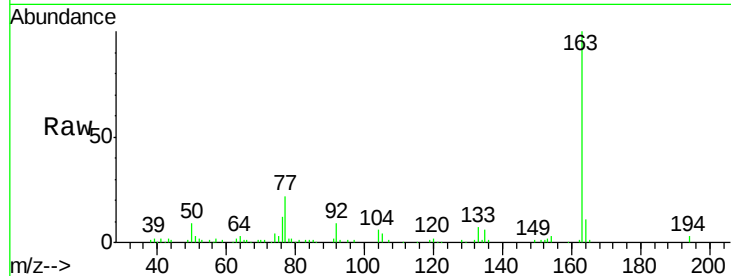
#49  
Dimethylphthalate  
Concen: 2.36 ng  
RT: 9.41 min Scan# 641  
Delta R.T. -0.06 min  
Lab File: BF084940.D  
Acq: 8 Feb 2016 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B017(5-7)

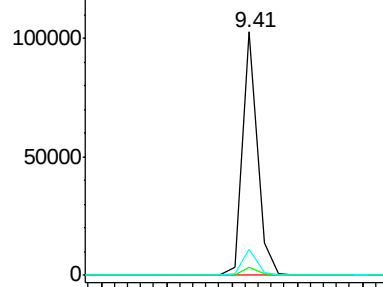
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.3   | 8.0        | 12.0#      |
| 164     | 10.9  | 8.0        | 12.0       |

Manual Integrations  
APPROVED

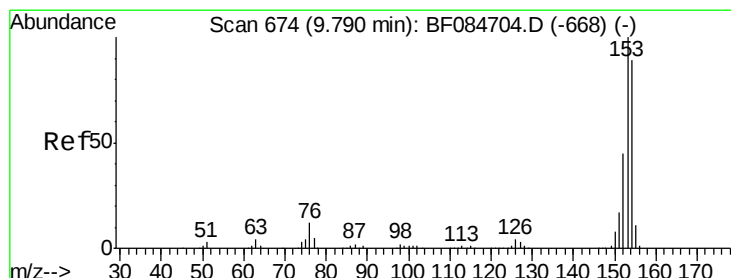
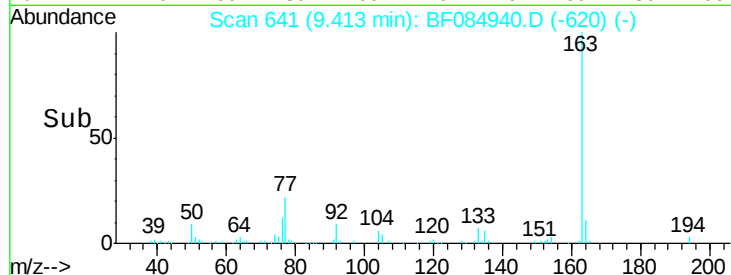
UMANGI  
2/9/2016 12:57:09 PM



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

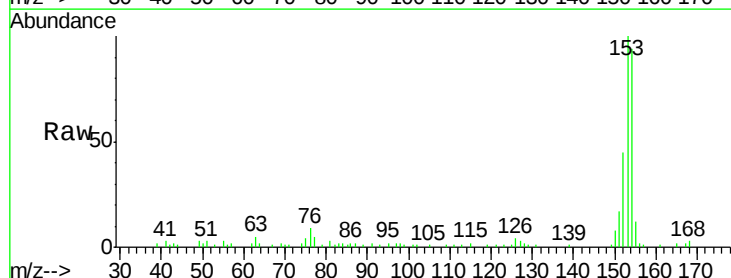


Time--> 9.30 9.35 9.40 9.45 9.50

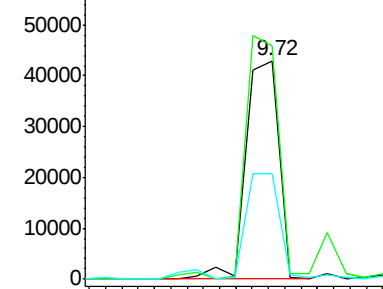


#51  
Acenaphthene  
Concen: 2.02 ng  
RT: 9.72 min Scan# 668  
Delta R.T. -0.05 min  
Lab File: BF084940.D  
Acq: 8 Feb 2016 20:38

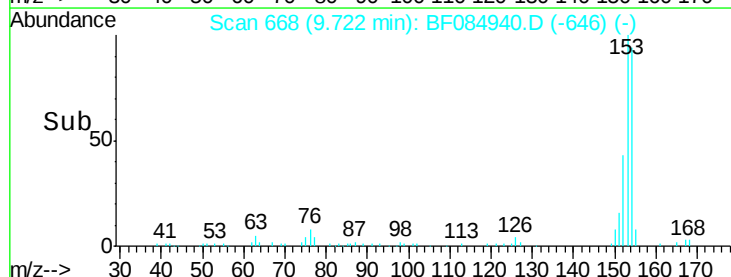
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 154     | 100   |            |            |
| 153     | 106.9 | 91.5       | 137.3      |
| 152     | 48.1  | 43.0       | 64.6       |

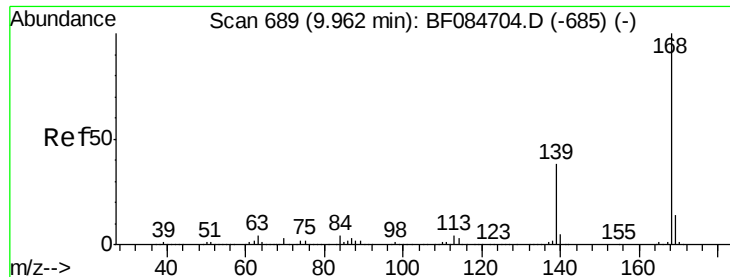


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



Time--> 9.65 9.70 9.75





#54

Dibenzofuran

Concen: 2.06 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

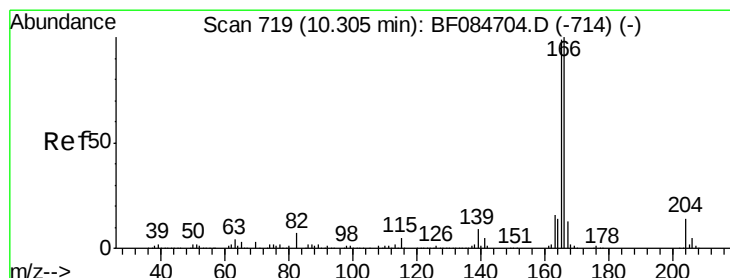
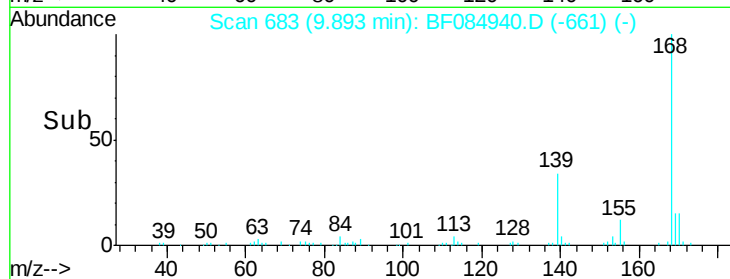
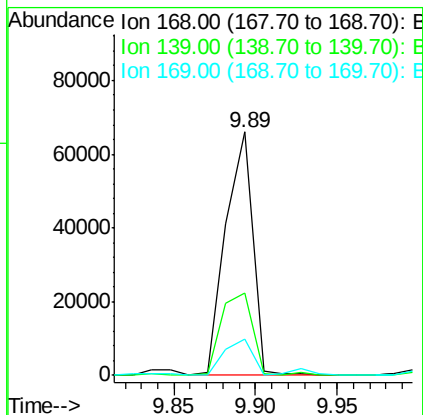
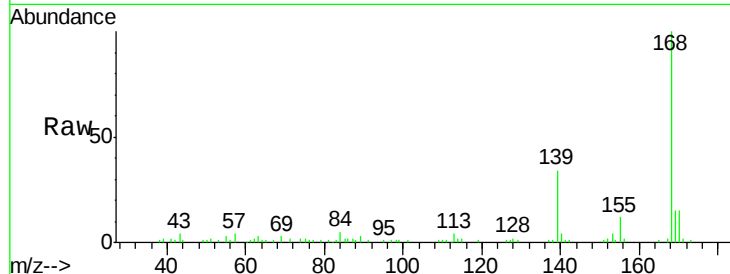
ClientSampleId :

S4-B017(5-7)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 75357 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 33.8  | 30.5  | 45.7  |
| 169       | 15.0  | 10.4  | 15.6  |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



#57

Fluorene

Concen: 2.43 ng

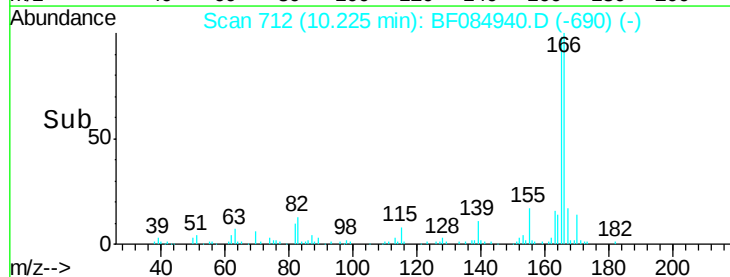
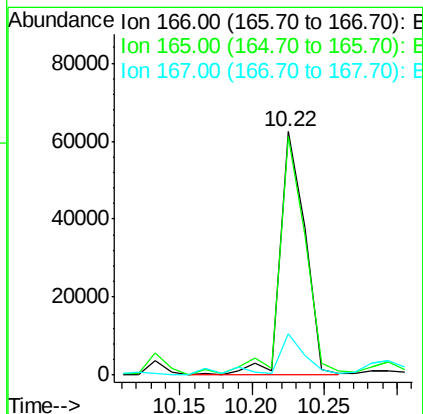
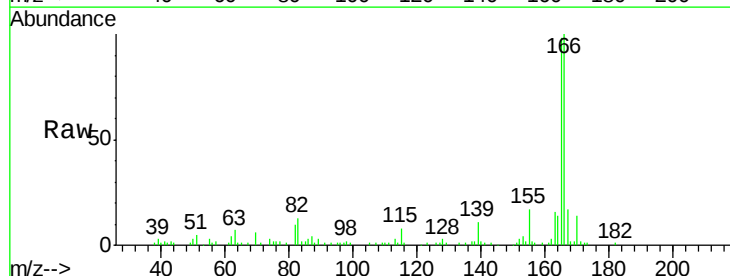
RT: 10.22 min Scan# 712

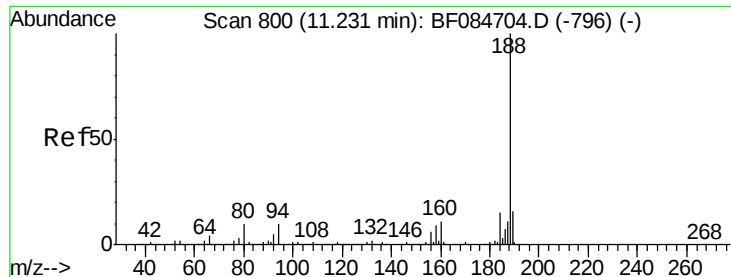
Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 74154 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 97.9  | 79.1  | 118.7 |
| 167       | 17.1  | 10.4  | 15.6# |





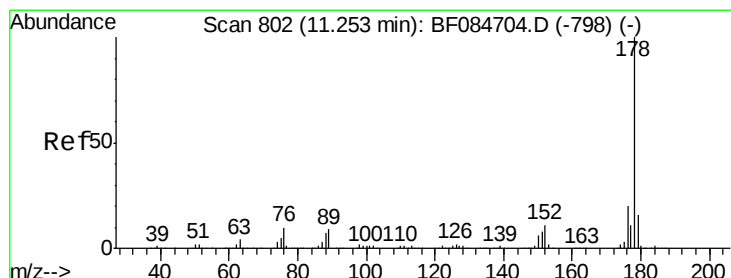
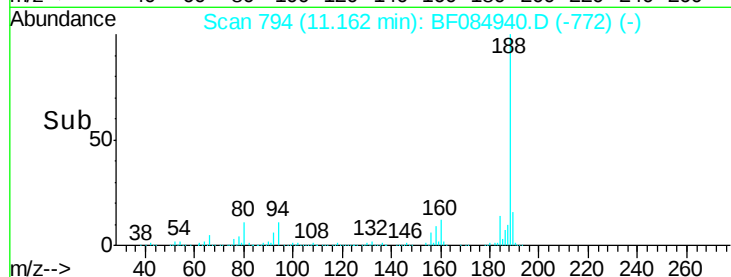
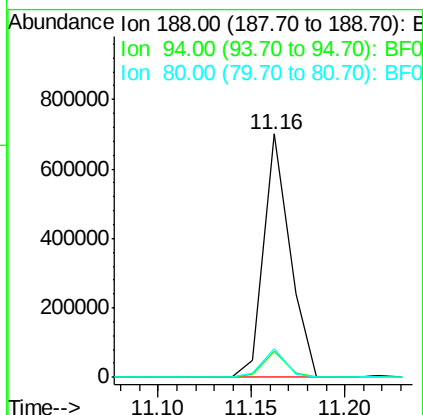
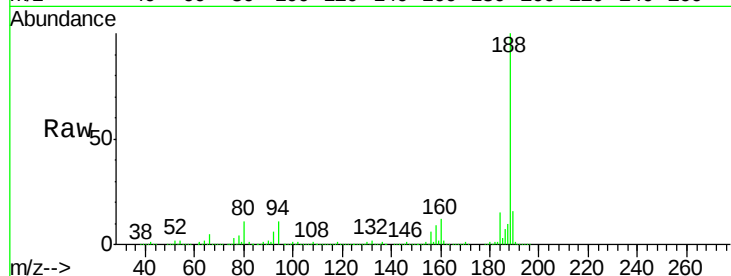
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.16 min Scan# 794  
Delta R.T. -0.05 min  
Lab File: BF084940.D  
Acq: 8 Feb 2016 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B017(5-7)

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 682041 |       |       |
| 94      | 10.5  | 9.0    | 13.4  |       |
| 80      | 11.5  | 9.6    | 14.4  |       |

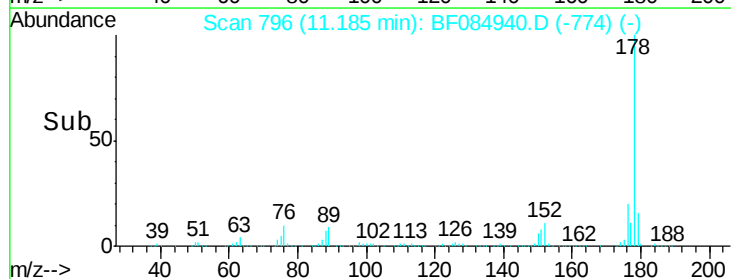
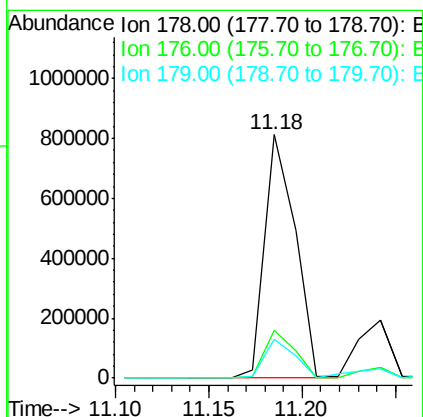
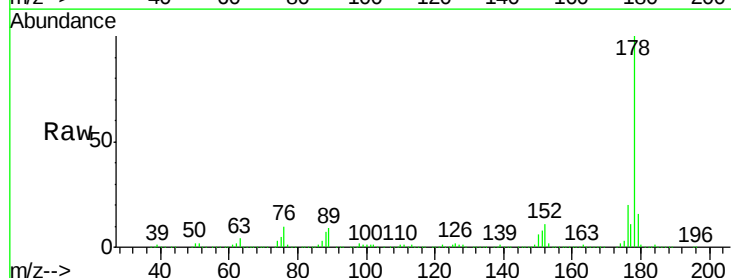
Manual Integrations  
APPROVED

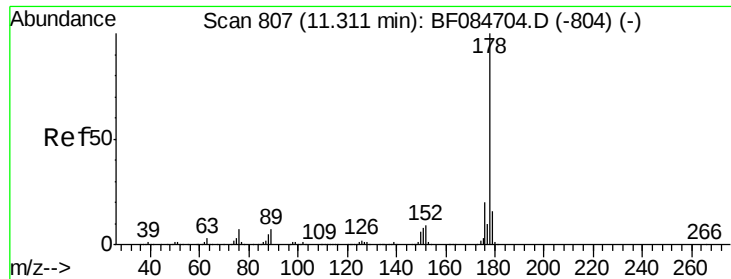
UMANGI  
2/9/2016 12:57:09 PM



#70  
Phenanthrene  
Concen: 24.38 ng  
RT: 11.18 min Scan# 796  
Delta R.T. -0.05 min  
Lab File: BF084940.D  
Acq: 8 Feb 2016 20:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 922281 |       |       |
| 176     | 19.8  | 15.3   | 22.9  |       |
| 179     | 15.9  | 12.0   | 18.0  |       |





#71

Anthracene

Concen: 5.76 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

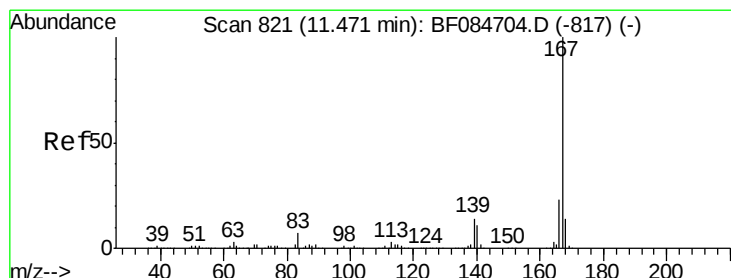
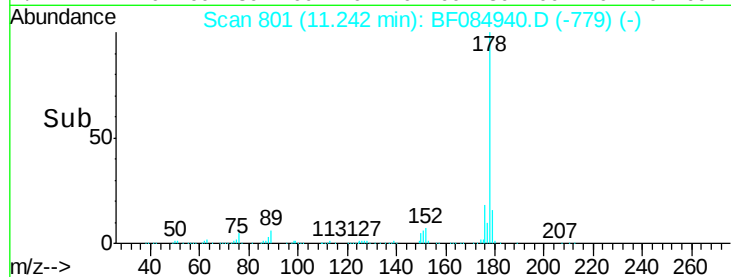
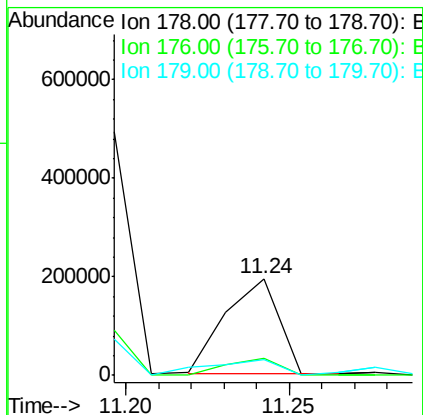
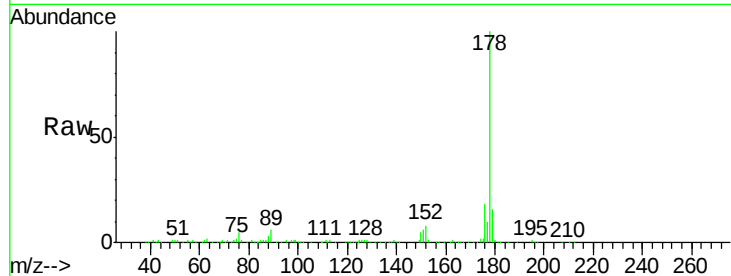
ClientSampleId :

S4-B017(5-7)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 219443 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 17.8  | 15.4  | 23.0   |
| 179       | 15.9  | 12.5  | 18.7   |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



#72

Carbazole

Concen: 2.11 ng

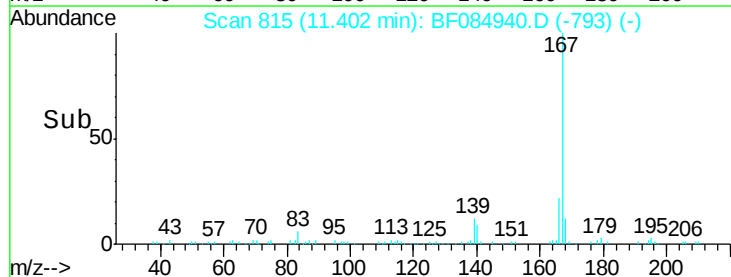
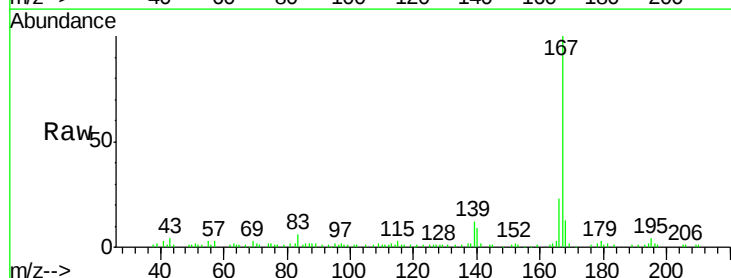
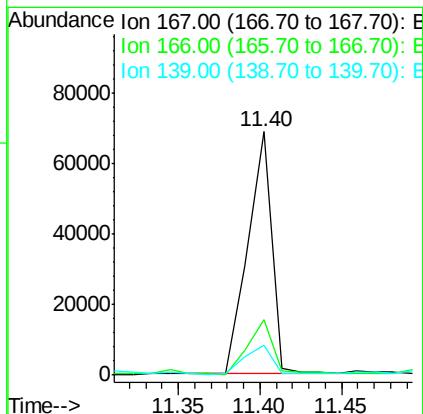
RT: 11.40 min Scan# 815

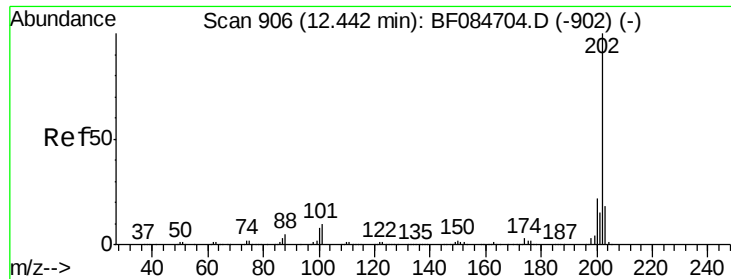
Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 70275 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 22.9  | 17.6  | 26.4  |
| 139       | 12.2  | 11.8  | 17.8  |





#74

Fluoranthene

Concen: 27.87 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

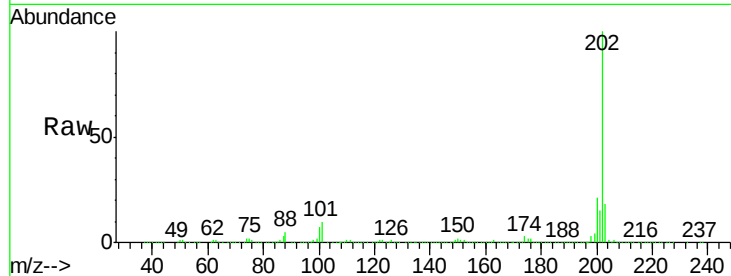
ClientSampleId :

S4-B017(5-7)

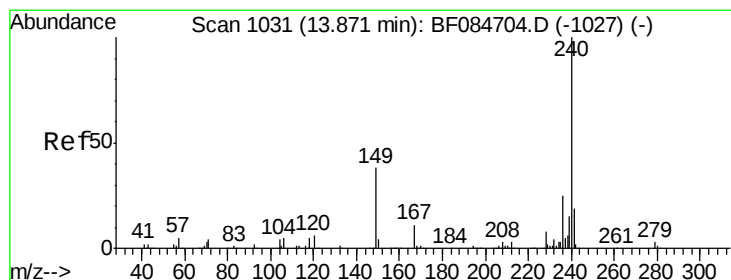
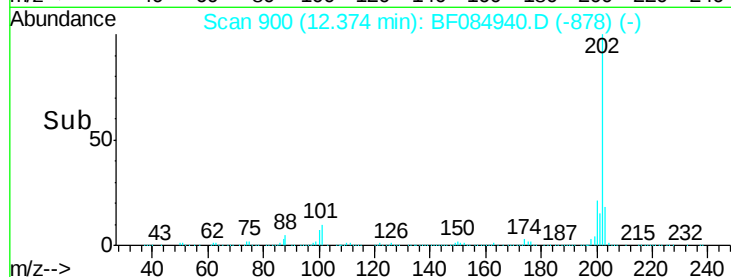
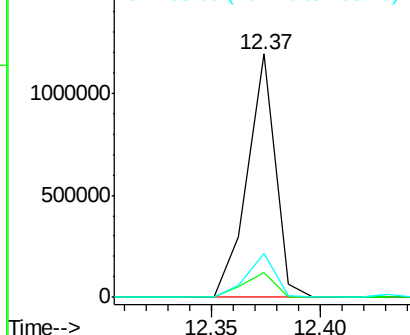
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1067214 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 10.4  | 0.0   | 32.8    |
| 203       | 17.9  | 0.0   | 37.9    |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

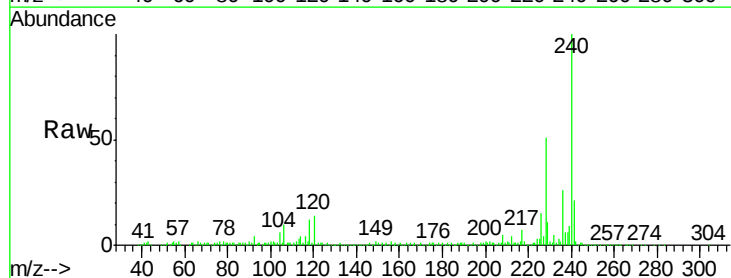
RT: 13.79 min Scan# 1024

Delta R.T. -0.05 min

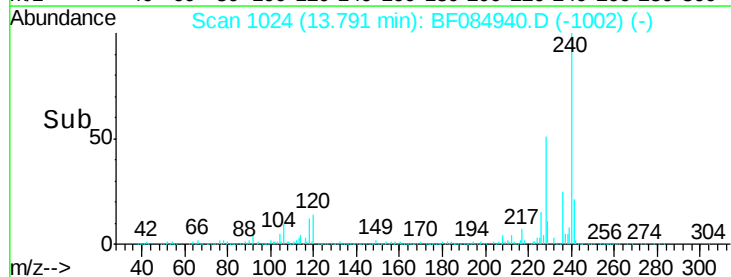
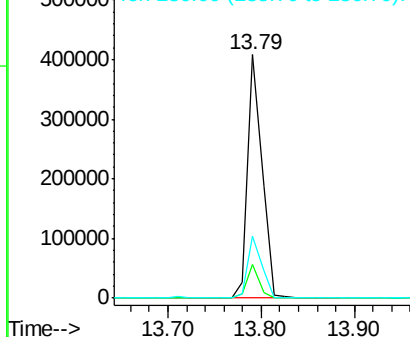
Lab File: BF084940.D

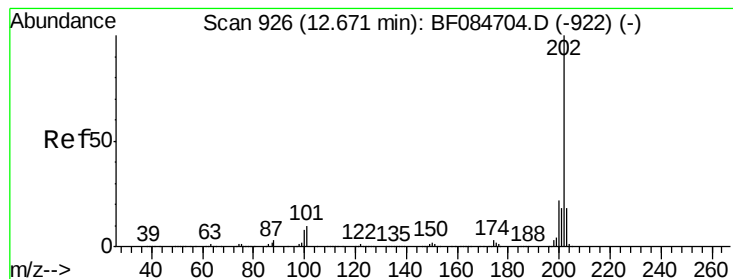
Acq: 8 Feb 2016 20:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 434201 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 14.1  | 9.5   | 14.3   |
| 236       | 25.6  | 20.6  | 31.0   |



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 29.71 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

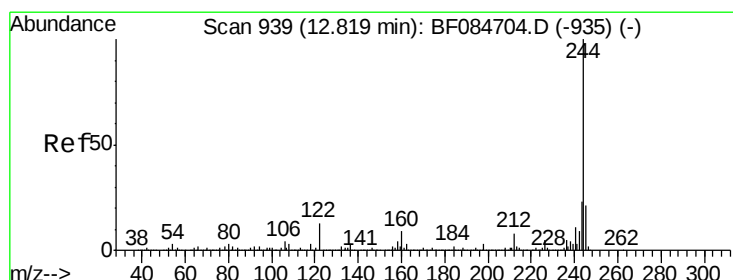
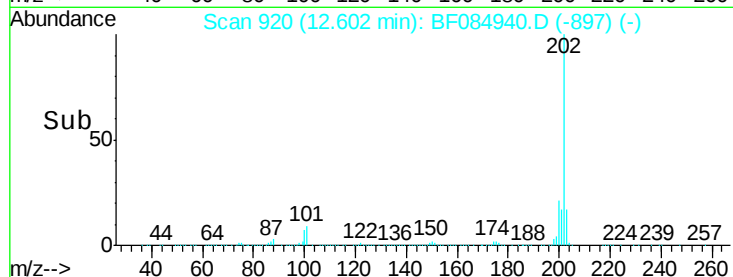
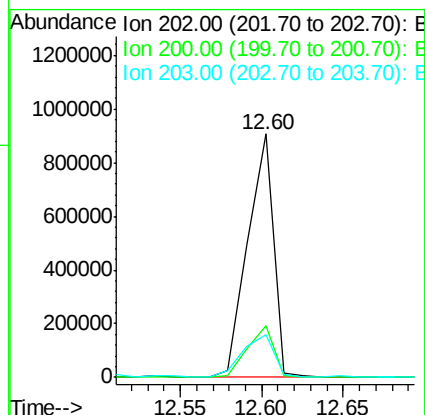
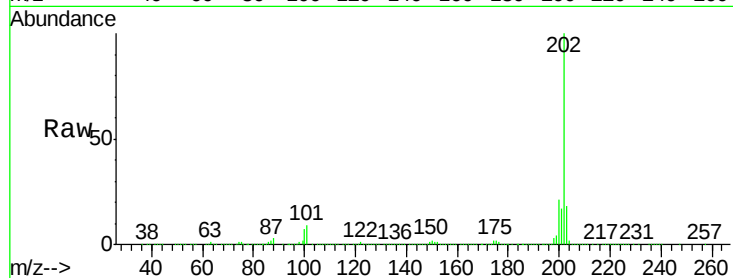
ClientSampleId :

S4-B017(5-7)

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 987713 |       |       |
| 200 | 21.2 | 17.2  | 25.8   |       |       |
| 203 | 17.6 | 14.3  | 21.5   |       |       |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



#78

Terphenyl-d14

Concen: 17.85 ng

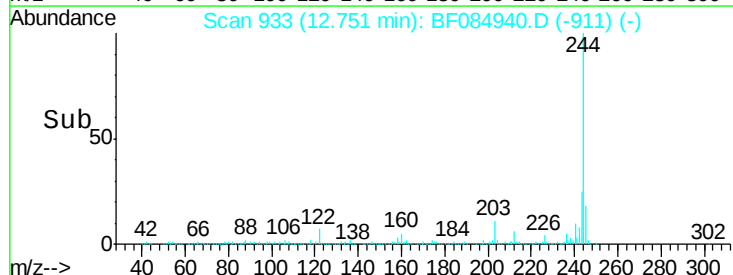
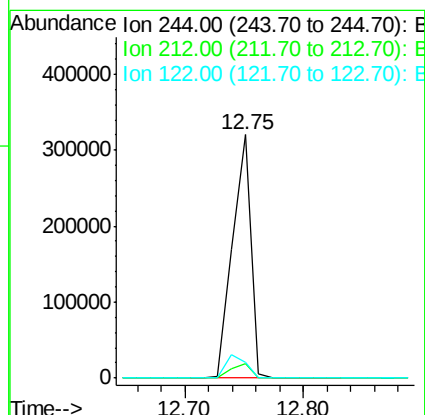
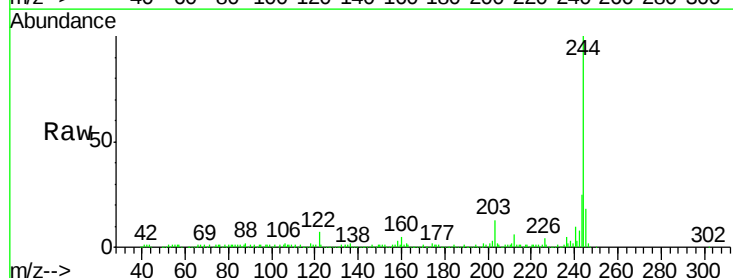
RT: 12.75 min Scan# 933

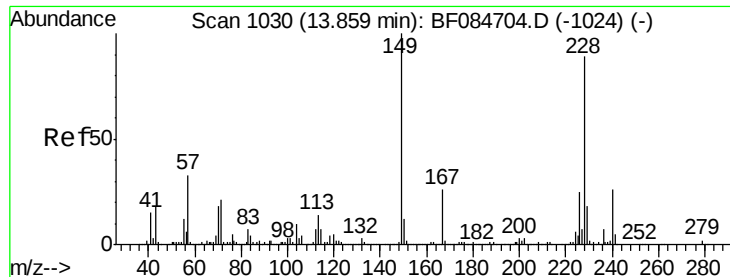
Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

| Tgt | Ion | Ratio | Resp   | Lower | Upper |
|-----|-----|-------|--------|-------|-------|
| 244 | 100 |       | 342006 |       |       |
| 212 | 6.0 | 5.7   | 8.5    |       |       |
| 122 | 6.7 | 7.4   | 11.0   |       |       |





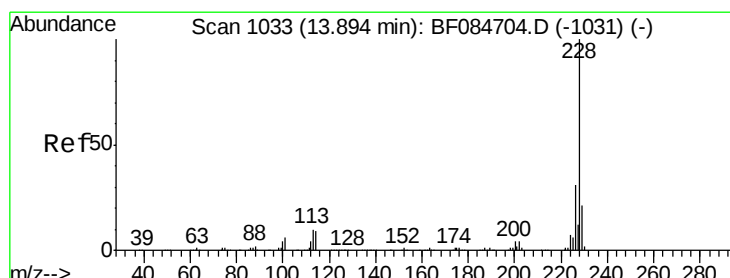
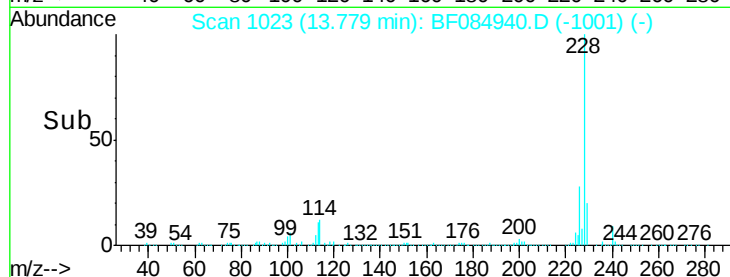
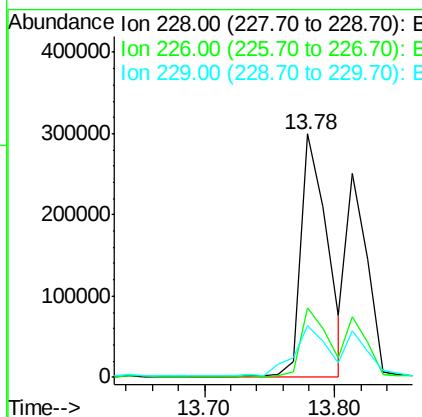
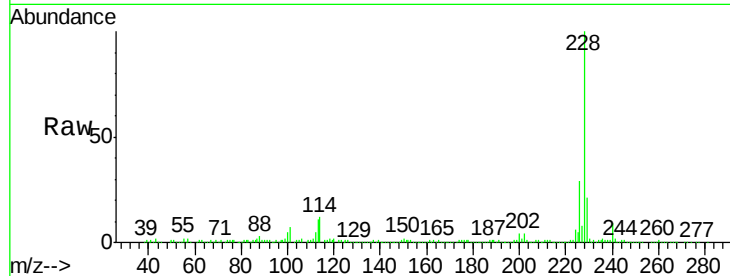
#80  
Benzo(a)anthracene  
Concen: 15.55 ng  
RT: 13.78 min Scan# 1023  
Delta R.T. -0.05 min  
Lab File: BF084940.D  
Acq: 8 Feb 2016 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B017(5-7)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 21.8  | 32.6  |
| 229     | 21.1  | 15.8  | 23.8  |

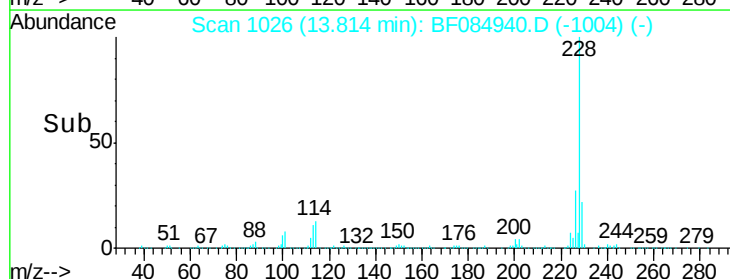
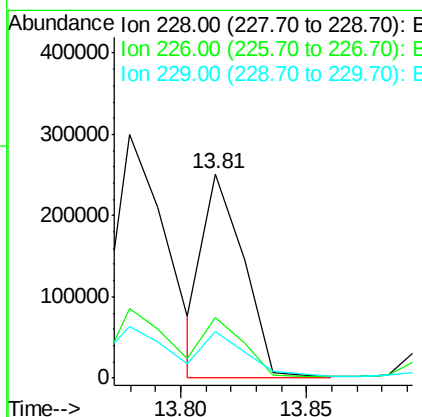
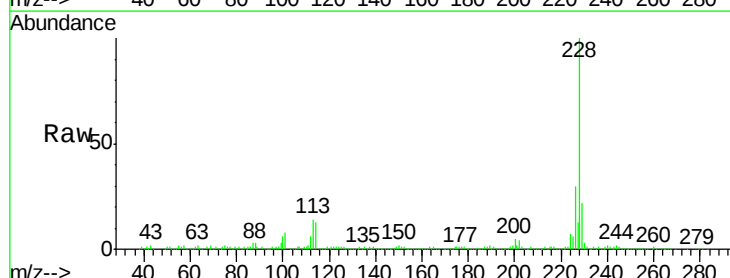
Manual Integrations  
APPROVED

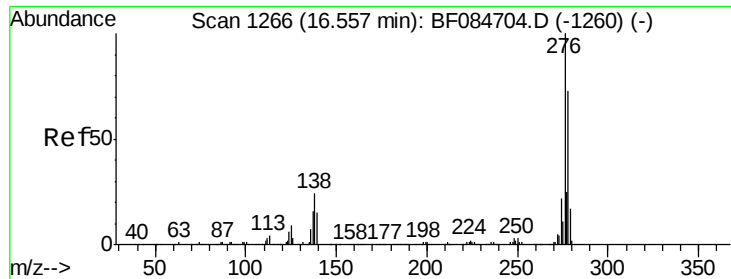
UMANGI  
2/9/2016 12:57:09 PM



#82  
Chrysene  
Concen: 10.77 ng m  
RT: 13.81 min Scan# 1026  
Delta R.T. -0.05 min  
Lab File: BF084940.D  
Acq: 8 Feb 2016 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 24.3  | 36.5  |
| 229     | 22.4  | 16.1  | 24.1  |





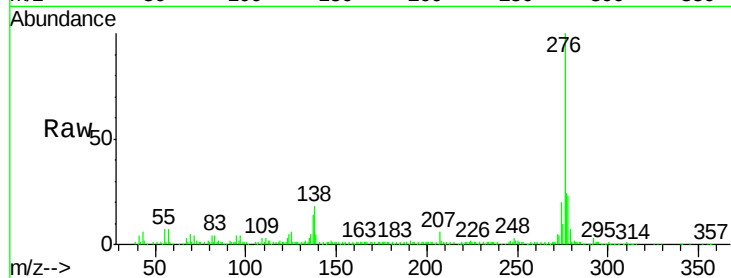
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.24 ng  
 RT: 16.43 min Scan# 1255  
 Delta R.T. -0.07 min  
 Lab File: BF084940.D  
 Acq: 8 Feb 2016 20:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B017(5-7)

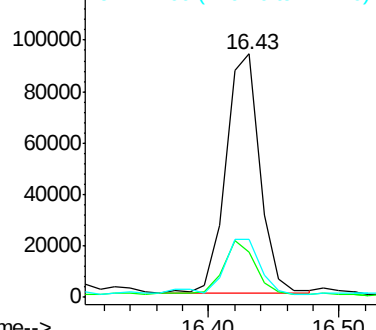
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 169552 |       |       |
| 138     | 24.4  | 20.6   | 30.8  |       |
| 277     | 28.4  | 20.1   | 30.1  |       |

Manual Integrations  
 APPROVED

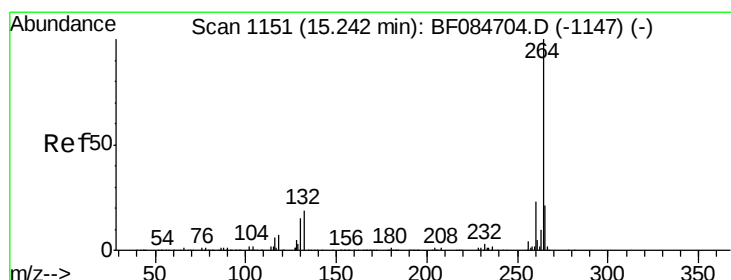
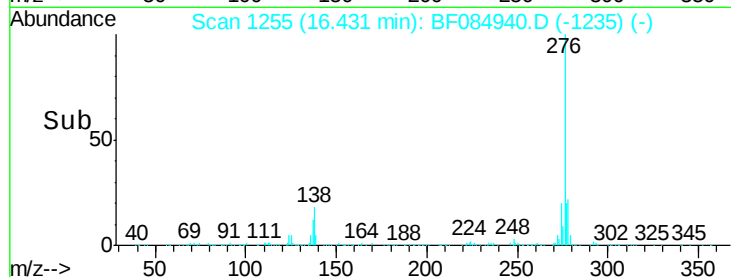
UMANGI  
 2/9/2016 12:57:09 PM



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

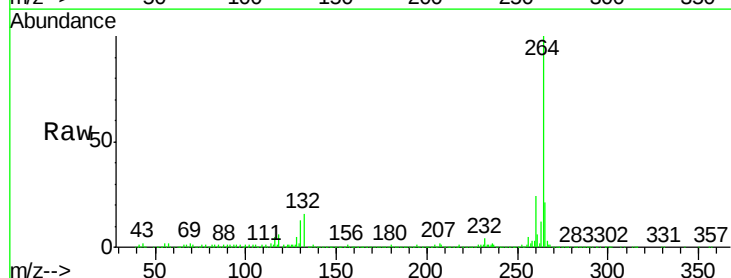


Time-->

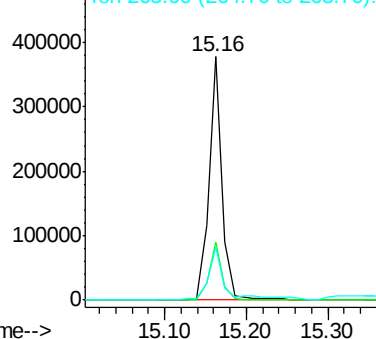


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.16 min Scan# 1144  
 Delta R.T. -0.05 min  
 Lab File: BF084940.D  
 Acq: 8 Feb 2016 20:38

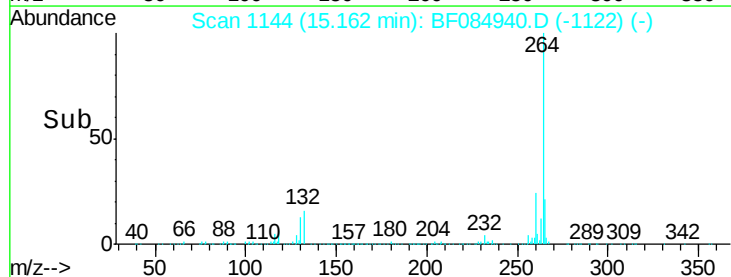
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 416984 |       |       |
| 260     | 23.7  | 19.4   | 29.2  |       |
| 265     | 21.5  | 17.8   | 26.6  |       |

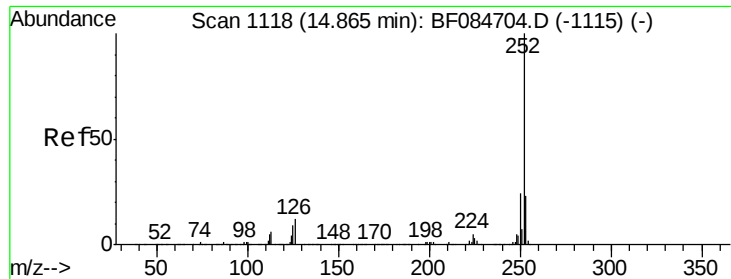


Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 12.78 ng m

RT: 14.79 min Scan# 1111

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

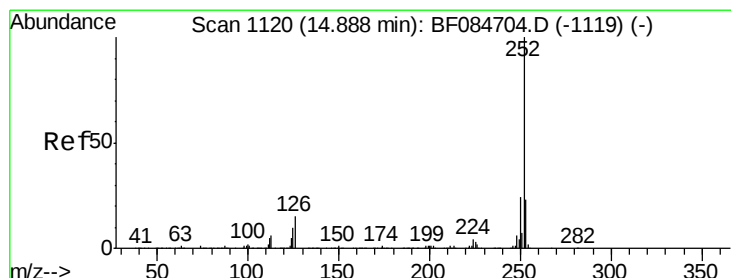
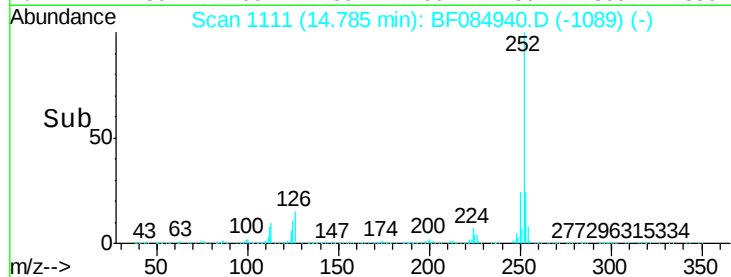
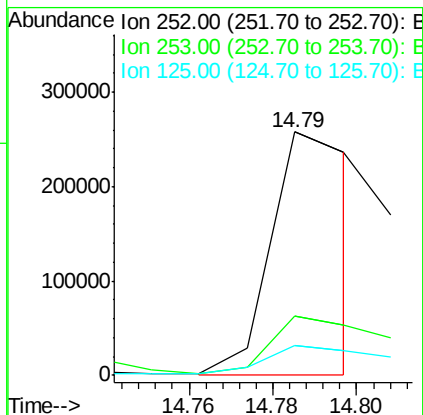
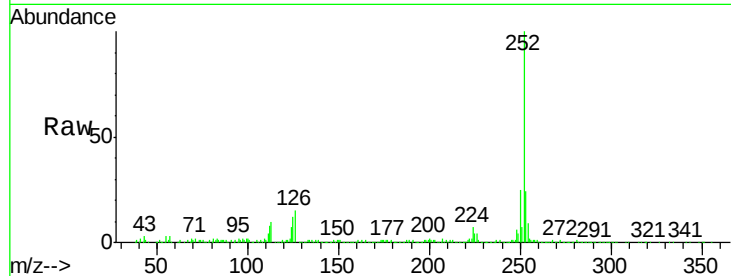
ClientSampleId :

S4-B017(5-7)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 17.3  | 25.9  |
| 125     | 12.4  | 6.5   | 9.7   |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



#88

Benzo(k)fluoranthene

Concen: 7.16 ng m

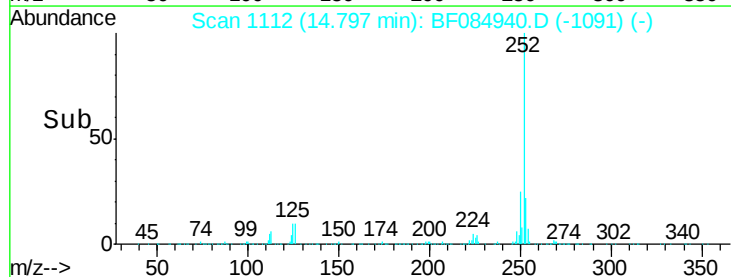
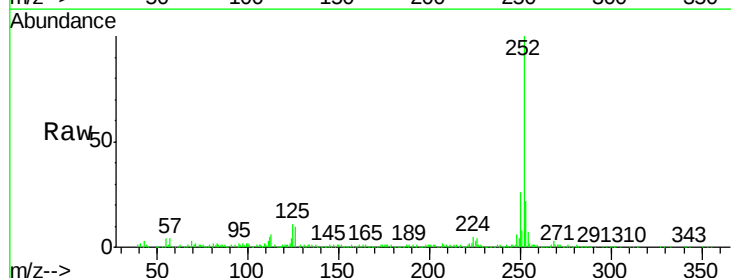
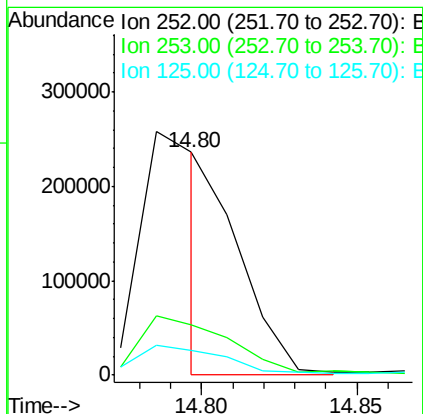
RT: 14.80 min Scan# 1112

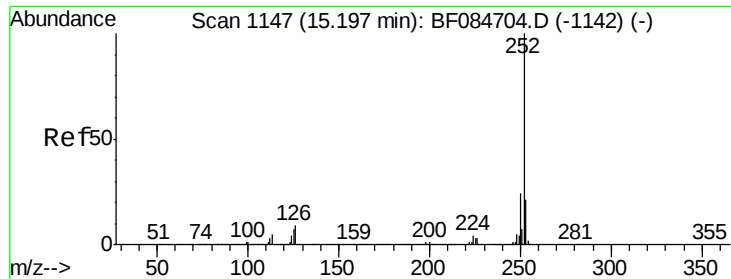
Delta R.T. -0.06 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.1  | 27.1  |
| 125     | 10.8  | 9.0   | 13.6  |





#89

Benzo(a)pyrene

Concen: 12.56 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.05 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

Instrument :

BNA\_F

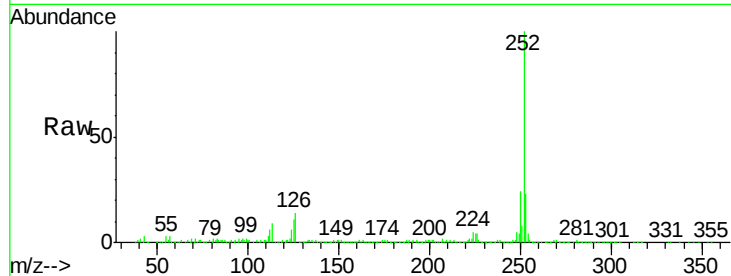
ClientSampleId :

S4-B017(5-7)

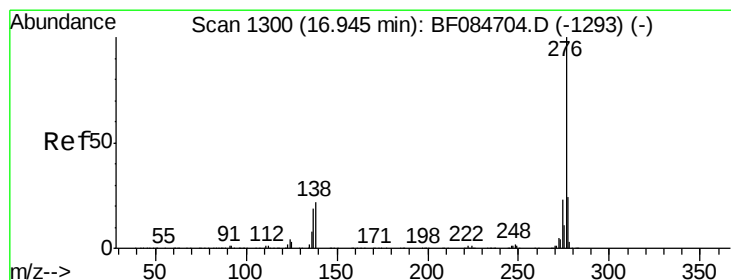
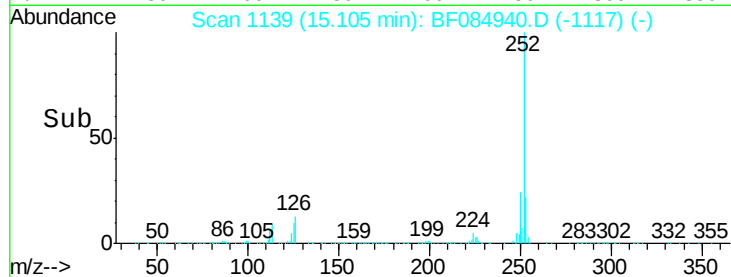
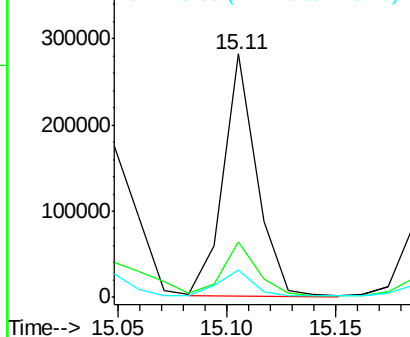
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 299936 |       |       |
| 253     | 22.8  | 17.3   | 25.9  |       |
| 125     | 11.1  | 7.0    | 10.4  |       |

Manual Integrations  
APPROVED

UMANGI  
2/9/2016 12:57:09 PM



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



#91

Benzo(g,h,i)perylene

Concen: 8.51 ng

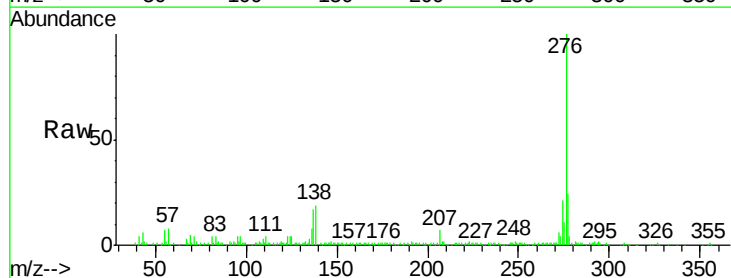
RT: 16.81 min Scan# 1288

Delta R.T. -0.08 min

Lab File: BF084940.D

Acq: 8 Feb 2016 20:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 172234 |       |       |
| 277     | 24.0  | 18.8   | 28.2  |       |
| 138     | 19.2  | 17.8   | 26.6  |       |



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

